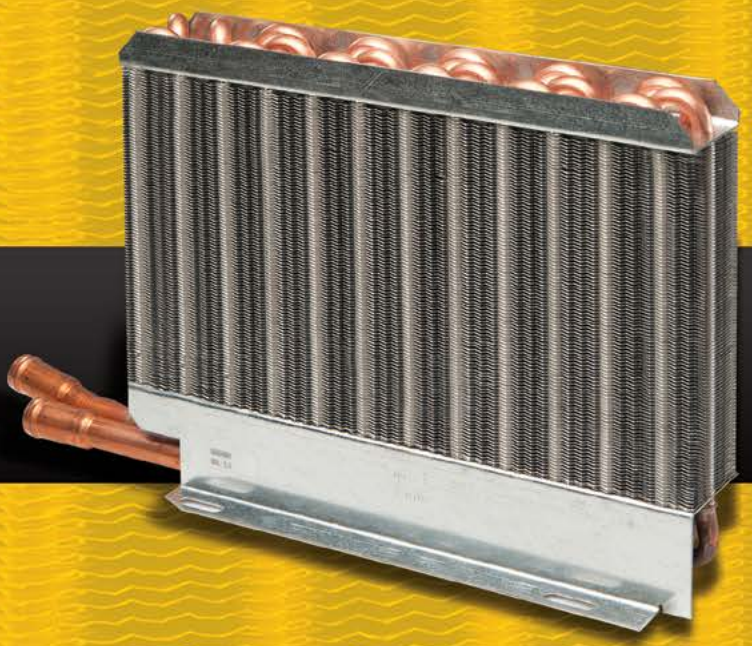
ALLIANCE
TRUCK PARTS

HVAC



2016 PARTS GUIDE | alliancetruckparts.com

ALL MAKES HEAVY-DUTY HEATING & AIR CONDITIONING PARTS

This comprehensive catalog contains truck application data, part descriptions and photography, and original equipment manufacturer cross-reference lists.

The Applications Section of the catalog identifies major components by vehicle year, make, and model arranged alphabetically by truck manufacturer – from blower motors to switches. Check this section first for your parts needs.

To identify parts by measurement or function review the Specifications Section where parts are listed by description, size and function. This section includes photographs for visual confirmation.

An extensive OEM to Alliance Cross-Reference Section is located in the back of the catalog.

Your local dealer is a great source for competitively priced, all-makes parts. With dealers across the country, you'll find the parts you need, when and where you need them.

To locate the dealer nearest you, call **1-800-385-HELP**.

Or visit online at **alliancetruckparts.com**

Product Specifications/Availability

Photographs and illustrations in this catalog may vary slightly from production models and may include optional equipment and accessories.

Specifications and availability of products shown in this catalog are subject to change without notice by **Red Dot Corporation**.

ALL MAKES HEAVY-DUTY HVAC

ALLIANCE TRUCK PARTS

Illustrations and photographs used in this catalog may vary slightly from the actual product. Prototype samples are sometimes used for photography. The production parts may vary slightly.

Availability of products shown in this catalog is subject to change without notice.

The numbering system in this catalog is designed for simple, easy to understand and use. This allows for cataloging of "common market" replacement parts based on their size.
The Alliance Truck Parts numbering system is set up systematically: An example is ABP N83 318159. All parts numbers in this program contain "ABP" and "N83". The ABP simply stands for Alliance Brand Parts and the N83 is a company assigned code, which stands for "air-conditioning parts." The last 6 digits are assigned based on part and design. Numbered categories are as followed:

301000 SERIES, Blower Motors
Subcategories within Blower Motors include numbers for motor type to include single shaft, double shaft, flange, and assemblies.
301001, single shaft
301002, double shaft
301005, flange
301007, assemblies

302000 SERIES, Blower Wheels
Subcategories within blower wheel include numbers for wheel type to include single or double.
302001, single
302002, double

303000 SERIES, Clutches
Subcategories within clutches include numbers for clutch type to include single groove, double groove, and multi groove.
303001, single groove
303002, double groove
303007, multi groove

304000 SERIES, Compressors
Subcategories within compressors include numbers for compressor brand: CCI, Sanden, GM, Ford, or Seltec.
304001, CCI
304002, Sanden
304006, GM
304007, Ford
304009, Seltec

305000 SERIES, Compressor Accessories

306000 SERIES, Condensers

307000 SERIES, Evaporators

308000 SERIES, Expansion Valves
Subcategories within expansion valves include numbers for expansion valve type: Block valve, internal & external, or orifice.
308001, Block Valve
308005, Internal and External
308007, Orifice

309000 SERIES, Fans & Blades
309001, Defrost Fans
309006, Blades

310000 SERIES, R-12 Fittings
Subcategories within Fittings include numbers for sizes #6, 8, 10, and 12.
310006, #6 fitting
310008, #8 fitting
310000, #10 fitting
310002, #12 fitting

311000 SERIES, R-134A Fittings
Subcategories within Fittings include numbers for specific sizes #6, 8, 10, 12.
311006, #6 fitting
311008, #8 fitting
311000, #10 fitting
311002, #12 fitting

312000 SERIES, O-rings
Subcategories within O-rings include sizes #6, 8, 10, and 12.
312006, #6 O-ring
312008, #8 O-ring
312000, #10 O-ring
312002, #12 O ring

313000 SERIES, Hoses
Subcategories within hoses include hose types: A/C hose, heater hose, duct hose, and air hose.
313100, A/C Hose
313300, Heater Hose
313500. Duct Hose
313700, Air Hose

314000 SERIES, Service ports

314006 SERIES, Adapters

315000 SERIES, Heater cores.

316000 SERIES, Knobs.

317000 SERIES, Louvers

318000 – 318999, Pressure Switches
Subcategories within switches include types: high pressure, low pressure, and trinary and binary.
318000, High Pressure
318004, Low Pressure
318009, Tri & Bi

319000 SERIES, Receiver Driers
Subcategories within receiver driers include types: with switch, without switch, and accumulators.

320000 SERIES, Relays

321000 SERIES, Resisters

322000 SERIES, Electrical switches

323000 SERIES, Thermostatic switches
Subcategories within switches include preset, cable and rotary.
323000, Preset.
323004, Cable
323008, Rotary

324000 SERIES, Water valves

325000 SERIES, Retrofit kits and service kits

326000 SERIES, Chemicals.

327000 SERIES, Service equipment

328000 SERIES, Miscellaneous products
Subcategories within this category include: nuts, rivets, washers, clips, seals, gaskets, bushings, filters, housings, covers, brackets, and tubes.

All parts in this catalog are set up with an Alliance Truck Parts number, ABP N83 000000. In the back of the catalog you will find an extensive cross reference list. This will help link another manufacturers part to an ABP number.

TABLE OF CONTENTS

APPLICATIONS

QUICK REFERENCE / HIGH VOLUME PARTS 6
FULL LIST OF ALL-MAKES APPLICATIONS 22

PARTS

1 BLOWER MOTORS 80
2 BLOWER WHEELS 106
3 CLUTCHES 112
4 COMPRESSORS 134
5 COMPRESSOR ACCESSORIES 219
6 CONDENSERS 230
7 EVAPORATORS 254
8 EXPANSION VALVES 262
9 FANS & BLADES 269
10 FITTINGS 272
11 HOSES 330
12 SERVICE PORTS & ADAPTERS 332
13 HEATER CORES 336
14 LOUVERS & AIR CONTROL 344
15 PRESSURE SWITCHES 350
16 RECEIVER DRIERS & ACCUMULATORS 374
17 RESISTOR & RELAYS 388
18 ELECTRICAL SWITCHES 394
19 THERMOSTATIC SWITCHES 404
20 WATER VALVES 408
21 MISCELLANEOUS 420
22 FILTERS 442

VEHICLE SPECIFIC

23 BUSES: SCHOOL & TRANSIT PARTS (Including Thomas Built) 456

UNITS & KITS

24 KITS & UNITS 469

REFERENCE

RETROFITTING GUIDE 489
PART NUMBER CROSS-REFERENCE 493
INDEX OF PART NUMBERS 689

NOTES

APPLICATIONS

The applications in this section are for reference only. If you have any part discrepancies please check with the original equipment manufacturer.

Ford/Sterling

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Accumulator	ABP N83 319309	4C4H-19C808-AA / F6HZ-19C836A	N/A	N/A
Blower Motor	ABP N83 301020	PM267CB, XC4H-19805-AA	N/A	N/A
Blower Motor	ABP N83 301276	22061, F1HZ-19805	N/A	N/A
Clutch	ABP N83 303252	D2AZ-2884-A, D4AZ-2884-A	KA1360, KA1410	165338C91
Clutch	ABP N83 303082	C7AZ-2884-B	KA1040	1647566C91
Clutch	ABP N83 303011	C5TZ-2884-C, E5LZ-19D784-A	KA1045	1676660-C91
Clutch	ABP N83 303102	C5UZ-2884-A, C	KA1035	1669746C91
Clutch	ABP N83 303012	D2NN-19D649-A	KA1090	1687801C91
Clutch	ABP N83 303717	F20H-19D786-AA	KA1655	ZGG704028
Compressor	ABP N83 304053	F4HT-19D629-CA	N/A	N/A
Compressor	ABP N83 304582	4862, D0HZ-19986-A	N/A	N/A
Condenser	ABP N83 306880	F6HT-19712A	N/A	ZGG707012

Freightliner

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor	ABP N83 301017, ABP N83 301317	BOA 85 440 50 009	HB1880, HA1870	ZGG19230
Blower Motor	ABP N83 301317	BOA 85 415 00 789	N/A	N/A
Blower Motor	ABP N83 301307	BOA 85 440 50 009, 176140, 3949102	HB1880	ZGG19230
Blower Motor	ABP N83 301308, ABP N83 301327	BOA 85 462 5000 900	N/A	N/A
Blower Motor	ABP N83 301527	BOA-85-462-5000-900, 2809-850-053	N/A	N/A
Blower Switch	ABP N83 322013	F1HZ-19986A	N/A	N/A
Blower Switch	ABP N83 322052	F2UZ-19986B	N/A	N/A
Charge Adapter	ABP N83 325022	N/A	N/A	N/A
Clutch	ABP N83 303051	ABP N83 303051	KA1095	1653480C91, 481800C91
Clutch	ABP N83 303252	ABP N83 303252	KA1040	1647566C91, ZGG11566
Clutch	ABP N83 303102	A22-22498-000	KA1090	1669746C91, 481806C91
Clutch	ABP N83 303242	N/A	N/A	N/A
Clutch	ABP N83 303407	4667-9931	N/A	N/A
Compressor	ABP N83 304081	CFC ET210L 25147R, 25149S	LC1000, LC2000	ZGG15701
Compressor	ABP N83 304031, ABP N83 304061	CFC ET210L 25150	LC2100	2502459C91, 417888C91, 167683C92
Compressor	ABP N83 304543	4417	N/A	N/A
Compressor	ABP N83 304543QS	4417S	N/A	N/A
Compressor	ABP N83 304543S	4417S	N/A	N/A
Compressor	ABP N83 304553	4776	N/A	N/A
Compressor	ABP N83 304573	4430	N/A	N/A
Compressor	ABP N83 304803	4429	N/A	N/A
Compressor	ABP N83 304813	4430	N/A	N/A
Compressor	ABP N83 304823	4431, 4477, 22-47692-000	N/A	N/A
Compressor	ABP N83 304793	4421, 4482	N/A	N/A
Compressor	ABP N83 304783	4417, 4482	N/A	N/A
Compressor	ABP N83 304893	4492, 22-48437-000	N/A	3541235C91, ZGG705017
Compressor	ABP N83 304833	4453, 22-59342-000	N/A	N/A
Compressor	ABP N83 304843	4646, 22-41180-000	N/A	ZGG705008
Compressor	ABP N83 304853	4647, 22-41179-000, 22-59344-000	LE1135, LE1620	2032287C91
Compressor	ABP N83 304873	4672, 22-43374-000, F69-6001-215	N/A	ZGG705009

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5115460P	4379-RD5115460	74R5095	RD-5-11546-0P
RDHRD5115790P	4379-RD5115790	73R3072	RD-5-11579-0P
RDHRD5118430P	4379-RD5118430	73R3092	RD-5-11843-0P
RDHRD549670P, 176470	4379-RD549670	75R0452	RD-5-4967-0P
RDHRD549721P, 3949292	4379-RD549721	75R1202	RD-5-4972-1P
RDHRD549840P, V8889022	4379-RD549840	75R3002	RD-5-4984-0P
RDHRD549870P, 176330	4379-RD549870, IMX246	75R3452	RD-5-4987-0P
RDHRD549940P, 176455	4379-RD549940	75R4502	RD-5-4994-0P
RDHRD5103570P	4379-RD5103570	75R4742	RD-5-10357-0P
RDHRD5103030P, 85100868	4379-RD5103030	75R84152	RD-5-10303-0P
RDHRD5108880P	4379-RD5108880	75R89334	RD-5-10888-0P
RDHRD456960P	4379-RD456960	77R6807	RD-4-5696-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5114660P, 176140	4379-RD5114660	73R3002	RD-5-11466-0P
RDHRD5114890P	4379-RD5114890	73R3062	RD-5-11489-0P
176140, 3949102	4379-RD5114660	73R3002	RD-5-11466-0P
RDHRD5114880P	4379-RD5114880	73R3052	RD-5-11488-0P
RDHRD5114880P	4379-RD5114880	73R3052	RD-5-11488-0P
RDHRD5101870P	4379-RD5101870	N/A	RD-5-10187-0P
RDHRD5104400P	4379-RD5104400	71R6253	RD-5-10440-0P
RDHRD579640P	4379-RD579640	75R5815	RD-5-7964-0P
RDHRD549660P, 3949313	4379-RD549660, 1MX41281	75R0302	RD-5-4966-0P
RDHRD549721P, 3949292	4379-RD549721	75R1202	RD-5-4972-1P
RDHRD549870P, 176330, 31160-7760	4379-RD549870, IMX246	75R3452	RD-5-4987-0P
RDHRD5103690P	4379-RD5103690	75R1542	RD-5-10369-0P
RDHRD5107600P	4379-RD5107600	75R1842	RD-5-10760-0P
3949851	4379-RD586370	75R7280	RD-5-8637-0P
1119561, 3949850	4379-RD586380	75R7290	RD-5-8638-0P
RDHRD5112510P	4379-RD5112510	75R81302	RD-5-11251-0P
RDHRD5130621p	4379-RD5130621	N/A	RD-5-13062-1P
RDHRD5130620p	4379-RD5130620	75R82312	RD-5-13062-0P
RDHRD5102670P	4379-RD5102670	75R84232	RD-5-10267-0P
RDHRD5112440P	4379-RD5112440	75R81232	RD-5-11244-0P
RDHRD5112430P	4379-RD5112430	75R81212	RD-5-11243-0P
RDHRD5112440P	4379-RD5112440	75R81232	RD-5-11244-0P
RDHRD5112470P	4379-RD5112470	75R81262	RD-5-11247-0P
RDHRD5112490P	4379-RD5112490	75R81282	RD-5-11249-0P
RDHRD5112510P	4379-RD5112510	75R81302	RD-5-11251-0P
RDHRD5112540P	4379-RD5112540	75R81352	RD-5-11254-0P
RDHRD5112580P	4379-RD5112580	75R81382	RD-5-11258-0P
RDHRD5113150P	4379-RD5113150	75R81462	RD-5-11315-0P
RDHRD5113160P	4379-RD5113160	75R81472	RD-5-11316-0P
RDHRD5113280P	4379-RD5113280	75R81512	RD-5-11328-0P

Freightliner

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Compressor	ABP N83 304883	4709, 22-59343-000	N/A	N/A
Compressor	ABP N83 304903	4819	N/A	N/A
Compressor	ABP N83 304913	4820	N/A	N/A
Compressor	ABP N83 304053	4687, 22-44462-000	N/A	N/A
Compressor	ABP N83 304063	4476, 22-47692-000	N/A	ZGG705013
Compressor	ABP N83 304073	4471, 22-47691-000	N/A	ZGG705012
Compressor	ABP N83 304083	4736, 22-47690-000	N/A	ZGG705011
Compressor	ABP N83 304093	4491, 22-47694-000	N/A	N/A
Compressor	ABP N83 304103	4756, 22-47693-000	N/A	ZGG705014
Compressor	ABP N83 304113	4776	N/A	ZGG705022
Compressor	ABP N83 304123	4818	N/A	N/A
Compressor	ABP N83 304133	4821	N/A	N/A
Compressor	ABP N83 304095	4626, F69-6001-153	LE1140	ZGG19316
Compressor	ABP N83 304503	4428	N/A	N/A
Compressor	ABP N83 304019	488-25011	N/A	1691725C92
Expansion Valve	ABP N83 308011	S10 329 440	EA1065	1676649C1
Expansion Valve	ABP N83 308211	A22-45432-000	EA1365	ZGG19226
Expansion Valve	ABP N83 308009, ABP N83 308211	BOA-80-321-00-169	EA1365	ZGG19226
Expansion Valve, Stat Seal	ABP N83 308231	ABP N83 308231		
Expansion Valve, Stat Seal	ABP N83 308241	BOA-80-321-00-269		
Expansion Valve, Stat Seal	ABP N83 308107	327302, A4965		
Expansion Valve, Stat Seal	ABP N83 308117	BOA-A93674		
Fan	ABP N83 309181	N/A	N/A	N/A
Filter	ABP N83 328375	22-46891-000, VCC36000006	N/A	N/A
Heater Water Valve	ABP N83 324580	867405	MA11100, MA1110	N/A
Louver	ABP N83 317002	N/A	N/A	N/A
Louver	ABP N83 317005	N/A	N/A	N/A
Louver	ABP N83 317006	N/A	N/A	N/A
Pressure Switch(Binary)	ABP N83 318229	A22-43249-000	N/A	N/A
Receiver Drier	ABP N83 319685	088193-00	N/A	N/A
Receiver Drier	ABP N83 319695	088215-02	N/A	N/A
Receiver Drier	ABP N83 319744	088539-00	N/A	N/A
Receiver Drier	ABP N83 319584	088538-00	N/A	ZGG712010
Receiver Drier	ABP N83 319047	088321-00	N/A	N/A
Receiver Drier	ABP N83 319725	088293-00	N/A	N/A
Receiver Drier	ABP N83 319665	088537-00	N/A	N/A
Receiver Drier	ABP N83 319624	088536-00	JA2020	ZGG19139
Receiver Drier	ABP N83 319625	088536-00	N/A	N/A
Receiver Drier	ABP N83 319614	088397-01	JA1885	ZGG19138
Receiver Drier	ABP N83 319615	088335-00	N/A	N/A
Receiver Drier	ABP N83 319735	088337-00	JA1740	ZGG19135
Receiver Drier	ABP N83 319027	088324-01	N/A	N/A
Receiver Drier	ABP N83 319315	088343-00	JA2055	N/A
Relay (Actuator)	ABP N83 301459	VCC32000022		
Resistor	ABP N83 321240	N/A	N/A	N/A
Resistor	ABP N83 321250	N/A	N/A	N/A

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5113310P	4379-RD5113310	75R81552	RD-5-11331-0P
RDHRD5113390P	4379-RD5113390	75R81602	RD-5-11339-0P
RDHRD5113400P	4379-RD5113400	75R81612	RD-5-11340-0P
85100868	4379-RD5103030	75R84152	RD-5-10303-0P
85100870	4379-RD5102620	75R84162	RD-5-10262-0P
85100871	4379-RD5102630	75R84172	RD-5-10263-0P
85100872	4379-RD5102640	75R84182	RD-5-10264-0P
RDHRD5102650P	4379-RD5102650	75R84192	RD-5-10265-0P
85100874	4379-RD5102660	75R84212	RD-5-10266-0P
85100876	4379-RD5102670	75R84232	RD-5-10267-0P
RDHRD5102680P	4379-RD5102680	75R84252	RD-5-10268-0P
RDHRD5102690P	4379-RD5102690	75R84262	RD-5-10269-0P
8022507	4379-RD575220	75R8432	RD-5-7522-0P
RDHRD5107370P	4379-RD5107370	75R84632	RD-5-10737-0P
RDHRD558760P	4379-RD558760	75R8512	RD-5-5876-0P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
3949281	4379-RD5101790	N/A	RD-5-10179-0P
3916182	4379-RD575670	71R8370	RD-5-7567-0P
RDHRD5109030P	4379-RD5109030	71R8451	RD-5-10903-0P
RDHRD5125200P	4379-RD5125200	71R8453	RD-5-12520-0P
RDHRD5125210P	4379-RD5125210	71R8455	RD-5-12521-0P
RDHRD5125220P	4379-RD5125220	71R8457	RD-5-12522-0P
RDHRD435080P	4379-RD435080	73R8110	RD-4-3508-0P
RDHRD5118360P	4379-RD5118360	78R5430	RD-5-11836-0P
RDHRD5103450P	4379-RD5103450	72R6530	RD-5-10345-0P
RDHRD596400P	4379-RD596400	N/A	RD-5-9640-0P
RDHRD596410P	4379-RD596410	N/A	RD-5-9641-0P
RDHRD596440P	4379-RD596440	N/A	RD-5-9644-0P
RDHRD584330P	4379-RD584330	71R7075	RD-5-8433-0P
RDHRD5111920P	4379-RD5111920	74R2608	RD-5-11192-0P
RDHRD5111930P	4379-RD5111930	74R2668	RD-5-11193-0P
RDHRD5105890P	4379-RD5105890	74R3120	RD-5-10589-0P
RDHRD5115220	4379-RD5115220	74R3129	RD-5-11522-0P
RDHRD5111850P	4379-RD5111850	74R3137	RD-5-11185-0P
RDHRD5111950P	4379-RD5111950	74R3309	RD-5-11195-0P
RDHRD511190P	4379-RD5111900	74R3317	RD-5-11190-0P
3934718	4379-RD5109410	74R3321	RD-5-10941-0P
RDHRD5111890P	4379-RD5111890	74R3323	RD-5-11189-0P
3949278	4379-RD5109440	74R3327	RD-5-10944-0P
RDHRD5111880P	4379-RD5111880	74R3328	RD-5-11188-0P
RDHRD5111960P	4379-RD5111960	74R3331	RD-5-11196-0P
RDHRD5111840P	4379-RD5111840	74R3357	RD-5-11184-0P
RDHRD5111860P	4379-RD5111860	74R3377	RD-5-11186-0P
RDHRD5118620P	4379-RD5118620	71R3577	RD-5-11862-0P
RDHRD5101890P	4379-RD5101890	N/A	RD-5-10189-0P
RDHRD5101900P	4379-RD5101900	N/A	RD-5-10190-0P

Freightliner

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Resistor	ABP N83 321260	N/A	N/A	N/A
Resistor	ABP N83 321270	N/A	N/A	N/A
Resistor	ABP N83 321280	N/A	N/A	N/A
Switch	ABP N83 322093	N/A	N/A	N/A
Switch	ABP N83 322700	N/A	N/A	N/A

International/Navistar

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor	ABP N83 301421	2500485C1 / 3949261	HA1090	2500485C1
Blower Motor	ABP N83 301025	1669786C1 / 85100164	HA1090	1669786C1/1699291C1
Blower Motor	ABP N83 301781	1699291C1 / 3093425	HA1990	1699291C1 / 3093425
Clutch	ABP N83 303051	481800C91	KA1095	481800C91
Clutch	ABP N83 303007	1687780C92 / 3949295	KA1480	1687780C92
Clutch	ABP N83 303252	1647566C91 / 3949292	KA1040	1647566C91
Clutch	ABP N83 303102	A22-22498-000 / 31160-7760	KA1090	1669746C91, 481806C91
Compressor	-	ER210R-16792, 25200	-	-
Compressor	ABP N83 304031200820C91 / 3949479/417888C91/167683C92		LC2100	200820C91/417888C91/ 167683C92
Compressor	ABP N83 304953	4645, 2003413C91	LE1150, F69-6002-243	2003413C91
Compressor	ABP N83 304853	4647, 4713, 2032287C91	LE1135, F69-6001-253	2032287C91
Compressor	ABP N83 304973	4667, 3579878C1	LE1085,K318-103, F69-6002-114	3579878C1
Compressor	ABP N83 304983	9680, 3541235C91		3541235C91
Compressor	ABP N83 304403	4822, 3551405C1		3551405C1
Compressor	ABP N83 304669	2521496, 3547916C1		3547916C1
Expansion Valve	ABP N83 308011	1696846-C2 / 3916657	EA1065	1676649C2
Expansion Valve	RDH RD3 7822 0	1696846-C3	EA1305	1696846-C3
Expansion Valve	ABP N83 308141	1699955-C1 / 3949398	EA1310	1699955-C1
Filter	ABP N83 328194	97032815	N/A	ZGG720002
Filter	ABP N83 328203	96932817	N/A	ZGG720008
Filter	ABP N83 328214	96932821	N/A	ZGG720006
Filter	ABP N83 328205	96932819	N/A	ZGG720005
Filter	ABP N83 328265	97935113	N/A	481813C1
Filter	ABP N83 328285	97935112-A/M	GD1020	498144C1, ZGG14263, ZGG720007
Filter	ABP N83 328295	1699956C1, 97935114-A/M	N/A	1699956C1
Receiver Drier	ABP N83 319000	1676651C1	N/A	1676651C1
Receiver Drier	ABP N83 319514	085082-00	JA1085	1676653C1
Receiver Drier	ABP N83 319020	088424-01	N/A	1691710C91
Receiver Drier	ABP N83 319110	1676663C1, 18-01800	N/A	1676663C1
Receiver Drier	ABP N83 319911	1693117C1, 3949280, 454613-C1	JA1325, JA1960	1693117C1
Receiver Drier / Accumulater	ABP N83 319159	3542577C2, BOA 80 32300 139	JC2190	3542577C2

Kenworth

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor	ABP N83 301461	203139BSM	N/A	N/A
Blower Motor	ABP N83 301004	HB1610	HB1610	ZGG701019
Blower Motor	ABP N83 301073	203142BSM	HB1935	N/A

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5101910P	4379-RD5101910	N/A	RD-5-10191-0P
RDHRD5101930P	4379-RD5101930	N/A	RD-5-10193-0P
RDHRD5101950P	4379-RD5101950	N/A	RD-5-10195-0P
RDHRD5101940P	4379-RD5101940	N/A	RD-5-10194-0P
RDHRD596030P	4379-RD596030	N/A	RD-5-9603-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
3949261	4379-RD551200	73R0512	RD-5-5120-0P
85100164	4379-RD549370	73R2102	RD-5-4937-0P
RDHRD588050P	4379-RD588050	73R2232	RD-5-8805-0P
3949313	4379-RD549660	75R0302	RD-5-4966-0P
3949295	4379-RD580090	75R0612	RD-5-8009-0P
3949292	4379-RD549721	75R1202	RD-5-4972-1P
31160-7760	4379-RD549870	75R3452	RD-5-4987-0P
RDHRD5108260P	4379-RD5108260	75R7265	RD-5-10826-0P
1119561/3949479	4379-RD586380	75R7290	RD-5-8638-0P
RDHRD5113130P	4379-RD5113130	75R81452	RD-5-11313-0P
RDHRD5113160P	4379-RD5113160	75R81472	RD-5-11316-0P
RDHRD5113260P	4379-RD5113260	75R81502	RD-5-11326-0P
RDHRD5113500P	4379-RD5113500	75R81732	RD-5-11350-0P
RDHRD5107380P	4379-RD5107380	75R84622	RD-5-10738-0P
RDHRD5104960P	4379-RD5104960	75R8752	RD-5-10496-0P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
RDHRD378220P	4379-RD378220	71R8310	RD-3-7822-0P
3949398	4379-RD589360	71R8430	RD-5-8936-0P
RDHRD5100770P	4379-RD5100770	78R5236	RD-5-10077-0P
RDHRD5100820P	4379-RD5100820	78R5255	RD-5-10082-0P
RDHRD5100750P	4379-RD5100750	78R5256	RD-5-10075-0P
RDHRD5100810P	4379-RD5100810	78R5257	RD-5-10081-0P
RDHRD5107740P	4379-RD5107740	78R5302	RD-5-10774-0P
RDHRD5107730P	4379-RD5107730	78R5306	RD-5-10773-0P
RDHRD5107750P	4379-RD5107750	78R5308	RD-5-10775-0P
RDHRD535931P	4379-RD535931	74R1706	RD-5-3593-1P
61510-001	4379-RD535930	74R1756	RD-5-3593-0P
RDHRD538430P	4379-RD538430	74R2556	RD-5-3843-0P
RDHRD549550P	4379-RD549550	74R2706	RD-5-4955-0P
3949280	4379-RD549590	74R3450	RD-5-4959-0P
RDHRD5126230P	4379-RD126230	74R5097	RD-5-12623-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD582120P	4379-RD582120	73R0222	RD-5-8212-0P
85101275	4379-RD5103370	73R0412	RD-5-10337-0P
RDHRD589220P	4379-RD589220	73R0612	RD-5-8922-0P

Kenworth

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor	ABP N83 301072	20578P	HB1050	1691733C91, 1691704C91
Clutch	ABP N83 303051	K332-62-2, 024 21942	KA1095	481800C91
Clutch	ABP N83 303252	KA1360	KA1360	165338C91
Clutch	ABP N83 303252	KA1040	KA1040	1647566C91
Compressor	ABP N83 304081	ER210L-25149, LC1000, LC2000	LC2000	ZGG15701
Compressor	ABP N83 304061	ER210L-25150, LC2100	LC2100	2502459C91, 417888C91 / 167683C92
Compressor	ABP N83 304853	4647, F69-6001-253	LE1135	2032287C91
Compressor	ABP N83 304344	4660		ZGG705006
Compressor	ABP N83 304973	K318-103	LE1085, F69-6002-114	3579878C1
Compressor	ABP N83 304873	F69-6001-215	F69-6001-215	ZGG705009
Compressor	ABP N83 304394	F69-6002-214, 18-04291	F69-6002-214	N/A
Compressor	ABP N83 304481 Sanden #4425, 4792 for Cat 3406 engine F69-6000, F69-6002-122			N/A
Compressor	ABP N83 304741Sanden #4432, 4759 for Detroit S60 series engineF69-1003, F69-6002-111			N/A
Compressor	ABP N83 304125	4627, LE1145	LE1145	ZGG19296
Compressor	ABP N83 304095	4626, F69-6001-153	LE1140,F69-6001-153	ZGG19316
Compressor	ABP N83 304095	F69-1002, F69-6002-133	F69-1002, F69-6002-133	ZGG19316
Compressor	ABP N83 304363	4664	LE1035	ZGG19370
Compressor	ABP N83 304659	F69-1000, 18-04154	F69-1000	ZGG705129
Expansion Valve	ABP N83 308011	EA1065	EA1065	1676649C1
Expansion Valve	ABP N83 308191	EA1090	EA1090	1676665C1
Expansion Valve	ABP N83 308141	540057BSM	540057BSM	1699955C1
Filter	ABP N83 328225	525507BSM, 94735015-A/M	525507BSM	N/A
Grill Condenser	ABP N83 306535	K122-64	K122-64	N/A
Grill Condenser	ABP N83 306500	K122-81	K122-81	N/A
Grill Condenser	ABP N83 306500	K122-124	K122-124	N/A
Grill Condenser	ABP N83 306305	K122-102	K122-102	N/A
Grill Condenser	ABP N83 306575	K122-125	K122-125	N/A
Grill Condenser	ABP N83 306260	K122-121, RD4 4403 1	K122-121	N/A
Grill Condenser	ABP N83 306580	K137-299-1	K137-299-1	N/A
Grill Condenser	ABP N83 306585	K137-299-2	K137-299-2	N/A
Grill Condenser	ABP N83 306615	K100 Series	K100 Series	N/A
Grill Condenser	ABP N83 306605	K137-300-1	K137-300-1	N/A
Grill Condenser	ABP N83 306610	K137-300-2	K137-300-2	N/A
Receiver Drier	ABP N83 319574	088439-01, F37-6000	F37-6000	ZGG712051
Receiver Drier	ABP N83 319028	088324-01, 02, K251-571, GD1135	GD1135	ZGG19141
Relay (Actuator)	ABP N83 301459	VCC32000022		
Toggle Switch	ABP N83 322003	BA1005	BA1005	N/A

Mack

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor	ABP N83 301004	4379-RD5103370	HA1180, HB1610	ZGG701019
Blower Motor	ABP N83 301097	4379-RD556341	HA1175	ZGG19262
Clutch	ABP N83 303282	4379-RD554860	KA1345	ZGG11207
Compressor	ABP N83 304102	4379-RD570880	LE1260	ZGG13503
Compressor	ABP N83 304241	206RD51M, 20514024, Sanden 4883		

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
3949266	4379-RD568010	73R4182	RD-5-6801-0P
3949313	4379-RD549660, 1MX41281	75R0302	RD-5-4966-0P
176470	4379-RD549670	75R0452	RD-5-4967-0P
3949292	4379-RD549721	75R1202	RD-5-4972-1P
3949851	4379-RD586370	75R7280	RD-5-8637-0P
1119561, 3949850	4379-RD586380	75R7290	RD-5-8638-0P
RDHRD5113160P	4379-RD5113160	75R81472	RD-5-11316-0P
RDHRD5113220P	4379-RD5113220	75R81482	RD-5-11322-0P
RDHRD5113260P	4379-RD5113260	75R81502	RD-5-11326-0P
RDHRD5113280P	4379-RD5113280	75R81512	RD-5-11328-0P
RDHRD5113340P	4379-RD5113340	75R81562	RD-5-11334-0P
RDHRD5123320P	4379-RD5123320	75R81632	RD-5-12332-0P
RDHRD5123340P	4379-RD5123340	75R81662	RD-5-12334-0P
8164872	4379-RD575220	75R8422	RD-5-7120-0P
8022507	4379-RD575220	75R8432	RD-5-7522-0P
RDHRD575220P	4379-RD575220	75R8432	RD-5-7522-0P
3916160	4379-RD5102970, 206RD413M	75R84612	RD-5-10297-0P
RDHRD5104950P	4379-RD5104950	75R8742	RD-5-10495-0P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
3919114, 3949396	4379-RD571550	71R8400	RD-5-7155-0P
3949398	4379-RD589360	71R8430	RD-5-8936-0P
RDHRD5107450P	4379-RD5107450	78R5420	RD-5-10745-0P
RDHRD437272P	4379-RD437272	77R6920	RD-4-3727-2P
RDHRD439900P	4379-RD439900	77R6930	RD-4-3990-0P
RDHRD445500P	4379-RD445500	77R6935	RD-4-4550-0P
RDHRD454620P	4379-RD454620	77R6945	RD-4-5462-0P
RDHRD5124880P	4379-RD5124880P	77R6957	RD-5-12488-0P
RDHRD444031P	4379-RD444031	77R6960	RD-4-4403-1P
RDHRD451900P	4379-RD451900	77R6970	RD-4-5190-0P
RDHRD451901P	4379-RD451901	77R6975	RD-4-5190-1P
RDHRD439011P	4379-RD439011	77R6980	RD-4-3901-1P
RDHRD452264P	4379-RD452264	77R8301	RD-4-5226-4P
RDHRD452265P	4379-RD452265	77R8303	RD-4-5226-5P
RDHRD5104340P	4379-RD5104340	74R2001	RD-5-10434-0P
3949310	4379-RD582540	74R3356	RD-5-8254-0P
RDHRD5118620P	4379-RD5118620	71R3577	RD-5-11862-0P
RDHRD5100560P	4379-RD5100560	71R0453	RD-5-10056-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
85101275	4379-RD5103370	73R0412	RD-5-10337-0P
RDHRD56341P	4379-RD556341	73R0922	RD-5-5634-1P
176314	4379-RD554860	75R0202	RD-5-5486-0P
RDHRD70880P	4379-RD570880	75R8382	RD-5-7088-0P
RDHRD123300P	4379-RD512230	75R81622	RD-5-12330-0P

Mack

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Compressor	ABP N83 304933	206RD413M	LE1035, LE1135	ZGG19370
Condenser	ABP N83 306907	210RD428	N/A	N/A
Control Cable	ABP N83 327376	7787-530244	N/A	N/A
Expansion Valve	ABP N83 308011	4379-RD568680	EA1065	1676649C1
Expansion Valve	ABP N83 308071	4379-RD570150	EA1075	1676665C1
Expansion Valve	ABP N83 308125	7787-869221, 329-488	N/A	N/A
Filter	ABP N83 328135	7787-525784	N/A	N/A
Receiver Drier	ABP N83 319504	088294-01, 02, 221RD335	JA1980	ZGG19145
Receiver Drier	ABP N83 319554	088268-01, 221RD334	JA1975	ZGG19144
Relay (Actuator)	ABP N83 301459	VCC32000022		

Peterbilt

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Accumulator	ABP N83 319029	849748, 18-03837, JC1080	JC1080	ZGG19786
Blower Motor	ABP N83 301981	P93CAA-0301-01S / HA1825	HA1825	ZGG701017
Blower Motor	ABP N83 301461	203139BSM	203139BSM	N/A
Blower Motor	ABP N83 301001	RD-5-6526-0, HA1070	HA1070	117283C91, ZGG19269, 1676648C1
Compressor	ABP N83 304953	4645	LE1150, F69-6002-243	2003413C91
Compressor	ABP N83 304853	4647, 4713, 18-04088, F69-6001-253	LE1135, LE1620	2032287C91
Compressor	ABP N83 304344	4660	N/A	ZGG705006
Compressor	ABP N83 304973	4667, F69-6002-114, K318-103	LE1085	3579878C1
Compressor	ABP N83 304873	4672, F69-6001-215	N/A	ZGG705009
Compressor	ABP N83 304394	4739, F69-6002-214, 18-04291	F69-6002-214	N/A
Compressor	ABP N83 304481	Sanden #4425, 4792 for Cat 3406 engine	F69-6000, F69-6002-122	N/A
Compressor	ABP N83 304741	Sanden #4432, 4759 for Detroit S60 series engine	F69-1003, F69-6002-111	N/A
Compressor	ABP N83 304019	488-25011, 18-03536	LE1000	1691725-C92
Compressor	ABP N83 304222	9285	LE1015	ZGG11065
Compressor	ABP N83 304125	4627	LE1145	ZGG19296
Compressor	ABP N83 304163	4731, F69-6001-121, 122	F69-6001-121,122	N/A
Compressor	ABP N83 304173	4484, 18-04373	F69-6002-233	N/A
Compressor	ABP N83 304095	F69-1002, F69-6001-153, F69-6002-133	LE1140	ZGG19316
Compressor	ABP N83 304333	4665, 18-03788	LE1150	ZGG19297
Compressor	ABP N83 304363	18-03787, 4639SAN	LE1035	ZGG19370
Compressor	ABP N83 304363	18-04088, 4713SAN	LE1620	ZGG705007
Compressor	ABP N83 304659	4696, 18-04154, F69-1000	F69-1000	ZGG705129
Condenser	ABP N83 306420	18-03809	18-03809	N/A
Condenser	ABP N83 306907	210RD428	210RD428	N/A
Condenser	ABP N83 306120	PA1200	PA1200	N/A
Expansion Valve	ABP N83 308011	RD-5-6868-0, EA1065	EA1065	1676649C1
Expansion Valve	ABP N83 308141	540057BSM	EA1310	1699955C1
Orfice Tube	ABP N83 308017	P93CAB2500-01S, EC1015	EC1015	ZGG16244
Receiver Drier	ABP N83 319514	402529 / JA1085	JA1085	1676653C1
Receiver Drier	ABP N83 319574	F37-6000	F37-6000	ZGG7102051
Receiver Drier	ABP N83 319110	18-01800 / JA1240	JA1240	1676663C1
Relay (Actuator)	ABP N83 301459	VCC32000022		

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
3916160	4379-RD5102970, 206RD413M	75R84612	RD-5-10297-0P
RDHRD464150P	4379-RD464150	77R7717	RD-4-6415-0P
RDHRD5105880P	4379-RD5105880	72R8180	RD-5-10588-0P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
RDHRD70150P	4379-RD570150	71R8321	RD-5-7015-1P
RDHRD5105460P	4379-RD5105460, 7787-869221	71R8385	RD-5-10546-0P
RDHRD5105930P	4379-RD5105930, 7787-525784	78R5235	RD-5-10593-0P
3949131	4379-RD-582410, 221RD335	74R3076	RD-5-8241-0P
176240	4379-RD-567681, 221RD334	74R3322	RD-5-6768-1P
RDHRD5118620P	4379-RD5118620	71R3577	RD-5-11862-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
176565	4379-RD549610	74R5050	RD-5-4961-0P
3949265	4379-RD5103360	73R0042	RD-5-10336-0P
RDHRD582120P	4379-RD582120	73R0222	RD-5-8212-0P
3949262	4379-RD565260	73R0422	RD-5-6526-0P
RDHRD5113130P	4379-RD5113130	75R81452	RD-5-11313-0P
RDHRD5113160P	4379-RD5113160	75R81472	RD-5-11316-0P
RDHRD5113220P	4379-RD5113220	75R81482	RD-5-11322-0P
RDHRD5113260P	4379-RD5113260	75R81502	RD-5-11326-0P
RDHRD5113280P	4379-RD5113280	75R81512	RD-5-11328-0P
RDHRD5113340P	4379-RD5113340	75R81562	RD-5-11334-0P
RDHRD5123320P	4379-RD5123320	75R81632	RD-5-12332-0P
RDHRD5123340P	4379-RD5123340	75R81662	RD-5-12334-0P
3918277	4379-RD558760	75R8512	RD-5-5876-0P
3916160	4379-RD555750	75R8292	RD-5-5575-0P
8164872	4379-RD571200	75R8422	RD-5-7120-0P
RDHRD5102730P	4379-RD5102730	75R84292	RD-5-10273-0P
RDHRD5102740P	4379-RD5102740	75R84312	RD-5-10274-0P
8022507	4379-RD575220	75R8432	RD-5-7522-0P
85100887	4379-RD5102950	75R84572	RD-5-10295-0P
3916160	4379-RD5102970, 206RD413M	75R84612	RD-5-10297-0P
RDHRD5102970P	4379-RD5102970, 206RD413M	75R84612	RD-5-10297-0P
RDHRD5104950P	4379-RD5104950	75R8742	RD-5-10495-0P
RDHRD456580P	4379-RD456580	77R6950	RD-4-5658-0P
RDHRD464150P	4379-RD464150	77R7717	RD-4-6415-0P
RDHRD436832P	4379-RD436832	77R7900	RD-4-3683-2P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
3949398	4379-RD589360	71R8430	RD-5-8936-0P
3093407	4379-RD590820	71R8505	RD-5-9082-0P
61510-001	4379-RD535930	74R1756	RD-5-3593-0P
RDHRD5104340P	4379-RD5104340	74R2001	RD-5-10434-0P
RDHRD549550P	4379-RD549550	74R2706	RD-5-4955-0P
RDHRD5118620P	4379-RD5118620	71R3577	RD-5-11862-0P

Thomas Built

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Air Filter	ABP N83 328194	8566-0439, 97032815	N/A	ZGG720002
Air Filter	ABP N83 328223	8566-0237, 96932823	N/A	N/A
Air Filter	ABP N83 328204	96932818	N/A	N/A
Air Filter	ABP N83 328214	8566-0237, 96932821	N/A	ZGG720006
Air Filter	ABP N83 328213	96932820	N/A	N/A
Blower Motor	ABP N83 301921	8566-0226	N/A	2503277C1
Blower Motor	ABP N83 301161	8566-0130, 73069008	HA1005	411876C1
Blower Motor	ABP N83 301901	2807-406-109	N/A	N/A
Blower Motor	ABP N83 301881	8566-0378	N/A	2503279C1
Blower Motor	ABP N83 301871	6500-0439, 8566-0378	N/A	ZGG11643, ZGG19343
Blower Motor	ABP N83 301911	4316246	N/A	ZGG701089
Defrost Fan	ABP N83 309141	5200-3268	N/A	221099C1, 4507329R1
Defrost Fan	ABP N83 309311	783966C93	N/A	783966C93

Volvo

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
APADS Press. Switch	ABP N83 318828	3966805, 8040161P	N/A	N/A
APADS Press. Switch	ABP N83 318138	8040202	N/A	N/A
APADS Press. Switch	ABP N83 318848	3939317, 8040147P	N/A	1699309C1
APADS Press. Switch	ABP N83 318868	3948747	N/A	N/A
APADS Press. Switch	ABP N83 318888	3948749	N/A	N/A
APADS Press. Switch	ABP N83 318658	20357742	N/A	N/A
APADS Press. Switch	ABP N83 318668	20357741	N/A	N/A
APADS Press. Switch	ABP N83 318678	3939313	N/A	N/A
APADS Press. Switch	ABP N83 318610	3939314, 8042106P	N/A	N/A
Blower Motor	ABP N83 301307	BOA 85 440 50 009, 176140, 3949102	HB1880	ZGG19230
Blower Motor Kit	ABP N83 301362	3945237	HB1660	ZGG13501, ZGG701071
Compressor	ABP N83 304624	4494, 8088112, 20501069	N/A	ZGG705257
Compressor	ABP N83 304344	4660, 8177089	N/A	ZGG705006
Compressor	ABP N83 304524	4699, 20501069, 8080059, 8088112	N/A	N/A
Compressor	ABP N83 304594	4780, 20370292	N/A	N/A
Compressor	ABP N83 304574	4777, 20370289	N/A	N/A
Compressor	ABP N83 304654	4894, 85104467	N/A	N/A
Compressor	ABP N83 304674	4896, 85104468	N/A	N/A
Compressor	ABP N83 304684	5424	N/A	N/A
Com pressor	ABP N83 304534	4490, 4716, 8082268	N/A	N/A
Compressor	ABP N83 304125	4627, 20370291, 8164872	LE1145	ZGG19296
Compressor	ABP N83 304095	4626, 4695, 8022507	LE1140	ZGG19316
Compressor	ABP N83 304213	4715, 8082269, 85104593	N/A	N/A
Compressor	ABP N83 304243	4778, 20370290	N/A	N/A
Expansion Valve	ABP N83 308011	3916657	EA1065	1676649C1
Expansion Valve	ABP N83 308009	BOA-80-321-00-169 / 3949281	EA1365	ZGG19226
Receiver Drier	ABP N83 319660	088366-00, 20407205, 8078261	JA2080	N/A
Receiver Drier	ABP N83 319258	088485-01, 20447319	N/A	N/A
Receiver Drier	ABP N83 319394	3934718 / 61510-0008	JA1280	ZGG19150
Receiver Drier	ABP N83 319910	3949280, 8086753	JA1325, JA1960	1693117C1

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5100770P	4379-RD5100770	78R5236	RD-5-10077-0P
RDHRD5100760P	4379-RD5100760	78R5244	RD-5-10076-0P
RDHRD5100790P	4379-RD5100790	78R5254	RD-5-10079-0P
RDHRD5100750P	4379-RD5100750	78R5256	RD-5-10075-0P
RDHRD5100740P	4379-RD5100740	78R5258	RD-5-10074-0P
RDHRD5103790P	4379-RD5103790	73R0012	RD-5-10379-0P
RDHRD559090P	4379-RD559090	73R0022	RD-5-5909-0P
RDHRD5100710P	4379-RD5100710	73R0082	RD-5-10071-0P
RDHRD5100700P	4379-RD5100700	73R0142	RD-5-10070-0P
RDHRD5100690P	4379-RD5100690	73R0632	RD-5-10069-0P
RDHRD5100720P	4379-RD5100720	73R0642	RD-5-10072-0P
61103-0024	4379-RD557960	73R9062	RD-5-5796-0P
3916157, RDHRD5104900P	4379-RD5104900	73R9082	RD-5-10490-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD5107780P	4379-RD5107780	71R6418	RD-5-10778-0P
RDHRD5104700P	4379-RD5104700	71R6420	RD-5-10470-0P
3939317	4379-RD5107790	71R6422	RD-5-10779-0P
3948747	4379-RD5107840	71R6426	RD-5-10784-0P
3948749	4379-RD5107870	71R6434	RD-5-10787-0P
20357742	4379-RD5108560	71R6568	RD-5-10856-0P
20357741	4379-RD5108570	71R6571	RD-5-10857-0P
3939313	4379-RD5108590	71R6573	RD-5-10859-0P
3939314	4379-RD5108610	71R6578	RD-5-10861-0P
176140, 3949102	4379-RD5114660	73R3002	RD-5-11466-0P
3945237	4379-RD3105380	73R4532	RD-3-10538-0P
20501069	4379-RD112570	75R81372	RD-5-11257-0P
8177089	4379-RD5113220	75R81482	RD-5-11322-0P
8080059, 8088112	4379-RD5113300	75R81532	RD-5-11330-0P
20370292	4379-RD5113370	75R81582	RD-5-11337-0P
20370289	4379-RD5113430	75R81652	RD-5-11343-0P
85104467	4379-RD5113450	75R81672	RD-5-11345-0P
85104468	4379-RD5113470	75R81692	RD-5-11347-0P
RDHRD5113480P	4379-RD5113480	75R81702	RD-5-11348-0P
8082268	4379-RD5113560	75R81762	RD-5-11356-0P
20370291, 8164872	4379-RD571200	75R8422	RD-5-7120-0P
8022507	4379-RD575220	75R8432	RD-5-7522-0P
8082269, 85104593	4379-RD5102780	75R84382	RD-5-10278-0P
20370290	4379-RD5102810	75R84432	RD-5-10281-0P
3916657	4379-RD568681	71R8301	RD-5-6868-1P
3949281	4379-RD575670	71R8370	RD-5-7567-0P
RDHRD5107420P	4379-RD5107420	74R1406	RD-5-10742-0P
20447319	4379-RD5107430	74R1426	RD-5-10743-0P
3934718, 20407203	4379-RD597890	74R3106	RD-5-9789-0P
3949280, 8086753	4379-RD549590	74R3450	RD-5-4959-0P

Volvo

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Resistor	ABP N83 321300	3949112	CA1035	1696836C1
Water Valve	ABP N83 324145	1118413	MA1110	ZGG717007

Western Star

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Blower Motor-Main	ABP N83 301771	RD-3-8657-0		
Blower Motor-Sleeper	ABP N83 301001	60009-5003, 5009	HA1070, HA1780	117283-C91
Compressor	ABP N83 304095	61104-3420	LE1140	ZGG19316
Expansion Valve	ABP N83 308011	60012-5001	EA1065	1676649-C1
Pressure Switch (Trinary)	ABP N83 322200	RD-5-4625-0		
Receiver Drier	ABP N83 319048	61506-3404, 088321-00	JA1890	
Receiver Drier	ABP N83 319314	61506-3406		
Thermostat	ABP N83 323010	60054-4421	BD1105	1691722C91

All Makes Products

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Defrost Fan	ABP N83 309015	783966C93	N/A	783966C93
Electrical Connector Kit	ABP N83 322842		N/A	N/A
Filter, Hi Efficiency Gideon	N/A	FEFF003	N/A	N/A
Filter, Hi Efficiency Gideon	N/A	FEFF004	N/A	N/A
Filter, RESPA Gideon Precleaner	N/A	N/A	N/A	N/A
Filter, RESPA Gideon Precleaner	N/A	N/A	N/A	N/A
Filter, Gideon Precleaner	N/A	N/A	N/A	N/A
Filter, Gideon Precleaner	N/A	N/A	N/A	N/A
Flush 1 GAL.	ABP N83 326025		VA1070	ZGG725011
#6 Goodyear Hose 50ft	ABP N83 313106	D1037-3023	AA1045	ZGG16971
#6 Parker P80 Hose 100ft	ABP N83 313120	P80-6	N/A	N/A
#8 Goodyear Hose 50ft	ABP N83 313118	D1037-3037	N/A	ZGG16972
#8 Parker P80 Hose 100ft	ABP N83 313125	P80-8	N/A	N/A
#10 Goodyear Hose 50ft	ABP N83 313100	D1037-3058	AA1055	ZGG16973
#10 Parker P80 Hose 100ft	ABP N83 313130	P80-10	N/A	N/A
#12 Goodyear Hose 50ft	ABP N83 313102	D1037-3064	D1037-3064	ZGG16974
#12 Parker P80 Hose 100ft	ABP N83 313135	P80-12	N/A	N/A
Per-Job O-Ring Kit	ABP N83 312125		VH1160	ZGG12033, 12034, 19129
Slimline Seal, #6, 9/16" O.D. x 5/16" I.D.	ABP N83 312076			
Slimline Seal, #8, 1 1/16" O.D. x 7/16" I.D.	ABP N83 312060			
Slimline Seal, #10, 3/4" O.D. x 9/16" I.D.	ABP N83 312092			
Mini Stat-O-Seal, #6, 5/8" O.D. x 5/16" I.D.	ABP N83 312366	336565, 23-13201-000		
Mini Stat-O-Seal, #8, 3/4" O.D. x 7/16" I.D.	ABP N83 312368	556565, 23-13202-000		
Mini Stat-O-Seal, #10, 1 5/16" O.D. x 9/16" I.D.	ABP N83 312361	668565, 23-13203-000		
Mini Stat-O-Seal, #12, 1 1/8" O.D. x 1 1/16" I.D.	ABP N83 312372	720565, 23-13205-000		
Slimline Seal, 17mm, 1" O.D. x 5/8" I.D.	ABP N83 312222	23-13204-000		
Retro Fit Kit - CCI/Tecumeseh	ABP N83 325010		VC2000	ZGGH550432
Retro Fit Kit - GM	ABP N83 325513		VC2015	ZGGH725016
Retro Fit Kit - Sanden/Seltec	ABP N83 325511		VC2005	ZGGH550433
Sanden PAG Oil	ABP N83 326013		LM1035	NA

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
3949112	4379-RD5103410	71R1457	RD-5-10341-0P
1118413	4379-RD5103450	72R6530	RD-5-10345-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD386570P	4379-RD386570	73R1002	RD-3-8657-0P
60009-5003, 5009, 176121	4379-RD565260	73R0422	RD-5-6526-0P
8022507	4379-RD575220	75R8432	RD-5-7522-0P
3916657	4379-RD568680	71R8300	RD-5-6868-0P
RDHRD546250P	4379-RD546250	71R7650	RD-5-4625-0P
RDHRD575170P	4379-RD575170	74R3136	RD-5-7517-0P
176248	4379-RD575171	74R3376	RD-5-7517-1P
RDHRD5453124P	4379-RD5453124	71R3200	RD-5-4531-24P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
3916157, RDHRD5104900P	4379-RD5104900	73R9082	RD-5-10490-0P
RDHRD5119660P	4379-RD5119660	79R3532	RD-5-11966-0P
RDHRD5125330P	4379-RD5125330	78R5260	RD-5-12533-0P
RDHRD5125340P	4379-RD5125340	78R5261	RD-5-12534-0P
RDHRD5125310P	4379-RD5125310	78R5622	RD-5-12531-0P
RDHRD5125320P	4379RD5125320	78R5624	RD-5-12532-0P
RDHRD5118590P	4379-RD5118590	78R5632	RD-5-11859-0P
RDHRD5118600P	4379-RD5118600	78R5634	RD-5-11860-0P
RDHRD5102060P	4379-RD5102060	79R4650	RD-5-10206-0P
3949322	4379-RD55006600	78R0456	RD-5-5006-600P
176556	4379-RD598200	78R8806	RD-5-9820-0P
3949323	4379-RD55008600	78R0458	RD-5-5008-600P
176555	4379-RD598210	78R8808	RD-5-9821-0P
3949324	4379-RD55010600	78R0451	RD-5-5010-600P
176558	4379-RD598220	78R8810	RD-5-9822-0P
3949325	4379-RD55012600	78R0452	RD-5-5012-600P
176557	4379-RD598230	78R8812	RD-5-9823-0P
176566, 3949461	4379-RD599870	70R5020	RD-5-9987-0P
RDHRD5102000M	4379-RD5102000	70R5022	RD-5-10200-0M
RDHRD5101990M	4379-RD5101990	70R5024	RD-5-10199-0M
RDHRD5101980M	4379-RD5101980	70R5026	RD-5-10198-0M
RDHRD5115270M	4379-RD5115270	70R5031	RD-5-11527-0M
RDHRD5115280M	4379-RD5115280	70R5032	RD-5-11528-0M
RDHRD5115290M	4379-RD5115290	70R5033	RD-5-11529-0M
RDHRD5115300M	4379-RD5115300	70R5034	RD-5-11530-0M
RDHRD5126750M	4379-RD5126750	70R5035	RD-5-12675-0M
3949456	4379-RD589580	79R4600	RD-5-8958-0P
176377, 3949459	4379-RD589610	79R4615	RD-5-8961-0P
3949457, 8	4379-RD589600	79R4605	RD-5-8960-0P
RDHRD571030P	4379-RD571030	79R4580	RD-5-7103-0P

All Makes Products

Description	Alliance No.	OEM No.	ClimaTech No.	International No.
Seltec PAG Oil	ABP N83 326056		LM1070	ZGGR6822
Slim Line/Stat-O-Seal Service Kit	ABP N83 322860	NA	NA	NA

EZ Clip Fittings

	Alliance No.	OEM No.	ClimaTech No.	International No.
Quick Disconnect, #8 male to #6 quick disconnect	ABP N83 311454	NA	NA	NA
Quick Disconnect, #12 male to #10 quick disconnect	ABP N83 311464	NA	NA	NA
Straight Splicer with R-12 Charge Port - #10	ABP N83 311220	FF14232	NA	NA
Straight Splicer with R-12 Charge Port - #12	ABP N83 311932	FF14233	NA	NA
Straight Splicer with R-12 Charge Port - #6	ABP N83 311936	FF14230	NA	NA
Straight Splicer with R-12 Charge Port - #8	ABP N83 311938	FF14231	NA	NA
90° Bulkhead - #10	ABP N83 311941	FF14222	NA	NA
90° Bulkhead - #6	ABP N83 311946	FF14220	NA	NA
90° Bulkhead - #8	ABP N83 311948	FF14221	NA	NA
Straight Female O-ring with Low side charge port # 10	ABP N83 311951	FF14224	NA	NA
Straight Female O-ring with High side charge port #8	ABP N83 311958	FF14226	NA	NA
90° Splicer - #10	ABP N83 311961	FF14240	NA	NA
90° Splicer - #6	ABP N83 311966	FF14238	NA	NA
90° Splicer - #8	ABP N83 311968	FF14239	NA	NA
Straight Male O-ring with High side charge port - # 8	ABP N83 311978	FF14235	NA	NA
45° Male o-ring - #10	ABP N83 311971	FF14216	NA	NA
45° Male o-ring - #6	ABP N83 311976	FF14215	NA	NA
45° Male o-ring - #8	ABP N83 311988	FF14214	NA	NA
90° Male O-ring with High side charge port - #8	ABP N83 311998	FF14236	NA	NA
O-Ring - FNBR #6	ABP N83 312346	-	NA	NA
O-Ring - FNBR #8	ABP N83 312348	-	NA	NA
O-Ring - FNBR #10	ABP N83 312340	-	NA	NA
O-Ring - FNBR #12	ABP N83 312342	-	NA	NA
90° Bulkhead - #10 to #12	ABP N83 310360	FF14223	NA	NA
90° Male O-ring with Low side charge port - #10 to #12	ABP N83 310320	FF14237	NA	NA
Straight Female O-ring with Low side charge port # 10 to #12	ABP N83 310300	FF14225	NA	NA
Straight Male O-ring with Low side charge port - # 10 to #12	ABP N83 310310	FF14234	NA	NA
Straight Bulkhead Fitting - #10	ABP N83 310340	FF14219	NA	NA
90° Female O-ring with 7/16" Switch Port - #10 to #12	ABP N83 310350	FF14229	NA	NA
Straight Bulkhead Fitting - #6	ABP N83 310346	FF14217	NA	NA
Straight Bulkhead Fitting - #8	ABP N83 310348	FF14218	NA	NA
90° Female O-ring with 7/16" Switch Port - #6	ABP N83 310356	FF14227	NA	NA
90° Female O-ring with 7/16" Switch Port - #8	ABP N83 310358	FF14228	NA	NA
EZ CLIP TOOL KIT	ABP N83 327980	FF12139	NA	NA
#6 EZ Clip Hose	ABP N83 313406	-	NA	NA
#8 EZ Clip Hose	ABP N83 313408	-	NA	NA
#10 EZ Clip Hose	ABP N83 313401	-	NA	NA
#12 EZ Clip Hose	ABP N83 313402	-	NA	NA

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD571660P	4379-RD571660	79R4585	RD-5-7166-0P
RDHRD5126760P	4379-RD5126760	79R8950	RD-5-12676-0P

Volvo No.	Mack No.	Red Dot Part No.	Factory No.
RDHRD248441P	4379-RD248441	70R3908	RD-2-4844-1P
RDHRD248451P	4379-RD248451	70R3912	RD-2-4845-1P
RDHRD5105721P	4379-RD5105721	70R8061	RD-5-10572-1P
RDHRD5105731P	4379-RD5105731	70R8062	RD-5-10573-1P
RDHRD5105701P	4379-RD5105701	70R8066	RD-5-10570-1P
RDHRD5105711P	4379-RD5105711	70R8068	RD-5-10571-1P
RDHRD5105621P	4379-RD5105621	70R8071	RD-5-10562-1P
RDHRD5105601P	4379-RD5105601	70R8086	RD-5-10560-1P
RDHRD5105611P	4379-RD5105611	70R8088	RD-5-10561-1P
RDHRD5105641P	4379-RD5105641	70R8201	RD-5-10564-1P
RDHRD5105661P	4379-RD5105661	70R8208	RD-5-10566-1P
RDHRD5105801P	4379-RD5105801	70R8291	RD-5-10580-1P
RDHRD5105781P	4379-RD5105781	70R8296	RD-5-10578-1P
RDHRD5105791P	4379-RD5105791	70R8298	RD-5-10579-1P
RDHRD5105751P	4379-RD5105751	70R8688	RD-5-10575-1P
RDHRD5105561P	4379-RD5105561	70R8341	RD-5-10556-1P
RDHRD5105551P	4379-RD5105551	70R8346	RD-5-10555-1P
RDHRD5105541P	4379-RD5105541	70R8348	RD-5-10554-1P
RDHRD5105761P	4379-RD5105761	70R8398	RD-5-10576-1P
RDHRD5110150M	4379-RD5110150	70R8506	RD-5-11015-0M
RDHRD5110160M	4379-RD5110160	70R8508	RD-5-11016-0M
RDHRD5110170M	4379-RD5110170	70R8510	RD-5-11017-0M
RDHRD5110180M	4379-RD5110180	70R8512	RD-5-11018-0M
RDHRD5105631P	4379-RD5105631	70R8591	RD-5-10563-1P
RDHRD5105771P	4379-RD5105771	70R8598	RD-5-10577-1P
RDHRD5105651P	4379-RD5105651	70R8621	RD-5-10565-1P
RDHRD5105741P	4379-RD5105741	70R8681	RD-5-10574-1P
RDHRD5105591P	4379-RD5105591	70R8881	RD-5-10559-1P
RDHRD5105691P	4379-RD5105691	70R8891	RD-5-10569-1P
RDHRD5105571P	4379-RD5105571	70R8886	RD-5-10557-1P
RDHRD5105581P	4379-RD5105581	70R8888	RD-5-10558-1P
RDHRD5105671P	4379-RD5105671	70R8996	RD-5-10567-1P
RDHRD5105681P	4379-RD5105681	70R8998	RD-5-10568-1P
85100261	4379-RD5107180	79R8915	RD-5-10718-0P
85100278	4379-RD510504600	78R8456	RD-5-10504-600P
RDHRD510505600P	4379-RD510505600	78R8458	RD-5-10505-600P
RDHRD510506600P	4379-RD510506600	78R8451	RD-5-10506-600P
RDHRD510507600P	4379-RD510507600	78R8452	RD-5-10507-600P

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
CARRIER				
BLOWER MOTOR				
Bus Parts		Blower motor	BLW-200-41	**ABP N83 301048**
BLOWER WHEEL				
Bus Parts		Blower Wheel	MCC# 38-00564-50	**ABP N83 302008**
FAN				
Bus Parts		Vector fan	MTR-140V	**ABP N83 301163**
Bus Parts		Condenser fan	MTR-105P	**ABP N83 301164**
RECEIVER DRIER				
Bus Parts		Receiver Drier	DRI-104	**ABP N83 319013**
CHEVROLET/GMC				
ACTUATOR				
Topkick	1992-01	Electric, Rotary, Duct Door	16141802	**ABP N83 301419**
COMPRESSOR				
Topkick	1993	Sanden 7H15, 12V, 2A Groove, 125MM, 2 Wire, QD Head	12387671 15679484	**ABP N83 304652**
Topkick	1980-85	GM A6, 1 groove ½" width, 4 ⅞" diameter (124mm), generic	1131202 12300270 1131197	**ABP N83 304008**
Topkick	1994-00	Sanden 7H15, 12V, 2A Groove, 125MM, 2 Wire, QD Head	15653237 15680077 15020478	**ABP N83 304652**
EXPANSION VALVE				
Topkick	1978-92	Block, #6 #10 #8 #8, with Mounting Holes	02-7086617	**ABP N83 308011**
Topkick	1991-00	Orifice Tube-Blk/Wht	3093576 3096068	**ABP N83 308037**
ORIFICE TUBE				
Topkick	1999-10	Orifice Tube-White	15-5151 3033879 3033919	**ABP N83 308049**
RECEIVER DRIER				
Topkick	1980-93	In-line Drier, 2 ½" x 6 9⁄16", #6 to #8 male O-Ring	15-1641 15505227 2724475 3949269	**ABP N83 319100**
RELAY				
Topkick	1983-85	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	2098912	**APB N83 320140**
Topkick	1985-93	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	221655	**APB N83 320140**
Topkick	1990-2000	Relay, Blower, 12V, 30A/40A, Socket Mount	14100455 25520198 3949297	**APB N83 320140**
Topkick	1990-95	Relay, Blower, 12V, 30A/40A, Socket Mount	14100455 3949297	**APB N83 320140**
WATER VALVE				
Topkick	1984-89	Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	3857131	**ABP N83 324050**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
ACTUATOR				
All		Single action air cylinder, ¾" diameter, 3 ¼" length	RDH RD3267 1	**ABP N83 318183**
M2	2002-07	Universal, 12½24V, 4 pin Deutz Connector, 104° Max Travel	VCC32000022	**ABP N83 301458**
BLOWER MOTOR				
All	1998-00	A/C and heater 7 ⅞" flange motor, CW, vented, shaft length 1 ½"	ABP N83 301020	**ABP N83 301020**
All	2000-06	Behr Auxillary Unit (with water valve), plate mount, 7 3/16" diameter	ABP N83 301327 2809-841-036	**ABP N83 301327**
All	2002-06	Auxillary Unit (front with blend air), plate mounted 7" diameter, CCW	BOA 85-462-50-009 2809-841-036	**ABP N83 301891**
Century C112, Century C120, Columbia	1994 -01	Main unit (Assembly), plate mounted, 7" diameter, CW, 1 speed, 4 ¾" length	ABP N83 301137 BOA-85-440-50-009 HA1870	**ABP N83 301137**
Century C112, Century C120, Columbia	1994-04	Main unit (Assembly), plate mount, 7 3/16" diameter	BOA-80-415-00-789	**ABP N83 301317**
Century C112, Century C120, Columbia	2002-05	Main unit with blower assembly, plate mount, 7 3/16" diameter	BOA-85-462-5000-900 2809-850-053	**ABP N83 301327**
Century C112, Century C120, Columbia, Coronado	2002-11	Front and Aux with Blend air system	BOA94350 BOAD8587	**ABP N83 301303**
Classic XL, FLD Conventional	2006-07	Sleeper cab motor, single shaft with brackets	2808-841-036M	**ABP N83 301043**
FL50, FL60, FL70, FL80, FL106, FL112	1994-01	Main unit (Assembly), plate mount, 7" diameter		**ABP N83 301891**
FL50, FL60, FL70, FLB, FLL	1994-04	Main unit (Assembly), plate mounted, 7" diameter, CW, 1 speed, 4 ¾" length	BOA-85-440-50-009	**ABP N83 301307**
FLD112, FLD120, Coronado	2002-10	Auxillary Unit (water valve control), single shaft, plate mount, 7" diameter	BOA-85-462-50-009	**ABP N83 301891**
CLUTCH ASSEMBLY				
All		2 groove 6" diameter pulley, ½" width, 1 5/8" ga, bullet plug	03-1104973 501215 518521	**ABP N83 303252**
All		1 groove, 6 ¾" diameter pulley, ½" width, 1 ¾" gaugeline, bullet plug	A22-22499 L50-2731 ABP N83 303071	**ABP N83 303071**
All		Poly 6 groove, 4.7" 119mm diameter pulley, bullet plug	6524-6010	**ABP N83 303197**
All		Poly 8 groove, 4.9" 125mm dia groove	6593-6010	**ABP N83 303157**
All		2 groove 5 21/64" 135mm diameter pulley, ½" width, bullet plug	2570151 624-19724	**ABP N83 303712**
All		2 groove 7" diameter pulley, 24V, ½" width, 2" ga, bullet plug	ABP N83 303342 501075	**ABP N83 303342**
All		12V, 2A Groove, 132MM, 1 Wire	6514-6210 6519-6010 6575-6310	**ABP N83 303282**
All		12V, 2A Groove, 125MM, 2 Wire	4740-9931 6593-6010	**ABP N83 303402**
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	511869 ABP N83 303261	**ABP N83 303261**
All		12V, PV6 Groove, 5 ¾", 2 Wire	024 25244	**ABP N83 303277**
All		12V, PV6 Groove, 5 ¾", 1 Wire	024 25144 ABP N83 303287	**ABP N83 303287**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
CLUTCH ASSEMBLY				
All		12V, PV6 Groove, 5 ⅞", 2 Wire	024 25241 MAE MG07 ABP N83 303187	**ABP N83 303187**
All		12V, PV6 Groove, 6 ⅛", 1 Wire	024 25078 ABP N83 303007 513352	**ABP N83 303007**
All		12V, PV8 Groove, 5 ⅜", 1 Wire	ABP N83 303307 ABP N83 303017	**ABP N83 303307**
All		12V, PV8 Groove, 6 ⅛", 2 Wire	024 25247 ABP N83 303123T	**ABP N83 303123T**
All		12V, 2A Groove, 6", 1 Wire	024 25190 03-1104973 501939	**ABP N83 303082**
All		12V, 2A Groove, 6", 2 Wire	024 25238 ABP N83 303063T	**ABP N83 303063T**
All		12V, 2A Groove, 7", 1 Wire	ABP N83 303012 332334 MA 7A	**ABP N83 303012**
All		12V, 1A Groove, 6", 1 Wire	024 21942 ABP N83 303051	**ABP N83 303051**
COMPRESSOR				
All		7H15, KG head, ear mount, 2A groove, 4.9"(125mm) diameter	4709 22-59343-000	**ABP N83 304883**
All		7H15, KCA head, direct Mount, 2 groove, 5 ¼" (132mm) diameter	4428 ABP N83 304503	**ABP N83 304503**
All		7H15, GH head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4429 ABP N83 304803	**ABP N83 304803**
All		7H15, GH head, direct mount, poly 6 4.9"(125mm) diameter	4430 ABP N38 304813	**ABP N38 304813**
All		7H15, MJA head, ear mount, poly 8 groove, 4.7"(119mm) diameter	4431 22-47692-000	**ABP N83 304823**
All		7H15, GV head, ear mount, poly 8 groove 4.7"(119mm) diameter	22-59342-000	**ABP N83 304833**
All		7H15, MJA head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4471 22-47691-000	**ABP N83 304073**
All		7H15, CBA head, direct mt, poly 6, 4.9"(125mm) diameter	4475 22-47693-000	**ABP N83 304103**
All		7H15, GH head, direct mt, poly 6, 4.7"(119mm) diameter	4485 ABP N83 304903	**ABP N83 304783**
All		7H15, JDA head, ear mt, 2 groove, 5 ¼"(132mm) diameter	4488 22-47690-000	**ABP N83 304083**
All		7H15, JD head, direct mt, 2 groove, 5 ¼"(132mm) diameter	4491 22-47694-000	**ABP N83 304093**
All		7H15, MDA head, direct mt, poly 6, 4.9"(125mm) diameter	4492 22-48437-000	**ABP N83 304893**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA Head, Direct Mount	4626 ABP N83 304095	**ABP N83 304095**
All		7H15, JD head, ear mt, 2 groove, 5 ¼"(132mm) diameter	4644 ABP N83 304363	**ABP N83 304102**
All		7H15, MJA head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4646 22-41180-000	**ABP N83 304843**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063 ABP N83 304039	**ABP N83 304039**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
COMPRESSOR				
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45011 ABP N83 304025	**ABP N83 304025**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	488-45065 ABP N83 304015	**ABP N83 304015**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, F Head, R-12	488-25063 ABP N83 304029	**ABP N83 304029**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25011 ABP N83 304019	**ABP N83 304019**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	ER210L-25149	**ABP N83 304171**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	ET210L-25150	**ABP N83 304031**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45077 ABP N83 304059	**ABP N83 304059**
All		w/8 groove 119mm, direct mt, PK head	SK4314	**ABP N83 304036Q**
All		FLX replacement, 2 groove, 5 ¼"(132mm) diameter	9285	**ABP N83 304234**
All		7H15, 12V, PV8 Groove, 119MM, 1 Wire, MDA Head	4672 22-43374-000	**ABP N83 304873**
All		7H15HD, 12V, PV6 Groove, 125MM, 1 Wire, CBA Head, Direct Mount	4687 22-44462-000	**ABP N83 304053**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, MDA Head	4734 22-47692-000	**ABP N83 304063**
All		7H15, MJA head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4735 22-47691-000	**ABP N83 304073**
All		7H15, JDA head, ear mt, 2 groove, 5 ¼"(132mm) diameter	4736 22-47690-000	**ABP N83 304083**
All		7H15, JD head, direct mt, 2 groove, 5 ¼"(132mm) diameter	4752 22-47694-000	**ABP N83 304093**
All		7H15, CBA head, direct mt, poly 6, 4.9"(125mm) diameter	4756 22-47693-000	**ABP N83 304103**
All		7H15, MDA head, direct mt, poly 6, 4.9"(125mm) diameter	4761 22-48437-000	**ABP N83 304893**
All		7H15, MDA head, direct mt, poly 8 groove, 4.7"(119mm) diameter	4776 ABP N83 304113	**ABP N83 304113**
All		7H15, GH head, ear mount, poly 8 groove 4.7"(119mm) diameter	4820 ABP N83 304913	**ABP N83 304913**
All		7H15, GH head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4821 ABP N83 304803	**ABP N83 304803**
All		7H15, MD head, ear mount, poly 8 groove 4.7"(119mm) diameter	7822 ABP N83 304803	**ABP N83 304803**
All		7H15HD, MD head, ear mount, 2 groove, 5 ¼"(132mm) diameter	4617 ABP N83 304303	**ABP N83 304303**
All		7H15SHD, GH head, direct mount, poly8, (140mm) diameter	4543 ABP N83 304455	**ABP N83 304455**
All		MDA head, Direct mount, Poly 8 (119mm) diameter	4808 ABP N83 304456	**ABP N83 304456**
All		Direct mount, Poly 8 (140mm) diameter	4108 4802	**ABP N83 304437**
All		MDA head, Direct mount, Poly 8 (130mm) diameter	4885 ABP N83 304457	**ABP N83 304457**
All	1999-00	Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	ET210L-25246C	**ABP N83 304201T**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
COMPRESSOR				
All	2000-04	709, GH head, direct mt, poly 6, 4.9"(125mm) diameter	4819 ABP N83 304813	**ABP N83 304813**
All	2000-08	709, GH head, direct mt, poly 8, 4.7"(119mm) diameter	4818 ABP N83 304903	**ABP N83 304783**
All	2001-03	Slimline head with flange fitting without charge ports with ester oil	ES210L-25334C	**ABP N83 304071**
All	2006-07	7H15, GH head, direct mount, poly 8 groove, 4.7"(119mm) diameter	4417 ABP N83 304783	**ABP N83 304783**
All	2011-14	Nippondenso PV8 159mm dia direct mount	10S15C 22-65771-000	**ABP N83 304915**
M2	2010-14	Nippondenso 12v, 8 groove	10S15C 22-65770-000	**ABP N83 304914**
CONDENSER				
Cascadia	2008-2011	Multi Flow with slim line fittings 44 ½" x 22"	A22-72249-000 A22-66839-000 A22-66824-000 A22-72459-000	**RDH RD4 7131 0**
Cascadia	2010-2011	Radiator Mount (Dual block fitting)	A22-67126-000 A22-66825-000 A22-66840-000 A22-72250-000	**ABP N83 306033**
Century C112, Century C120, Columbia, Coronado	2000-05	Multi Flow with slim line fittings	1E 6068 BHT 92710 BHT 73002	**RDH RD4 6527 0**
Columbia, Coronado	2006-2009	Radiator Mount	A22-67125-000 A22-66824-000 A22-66839-000 A22-72249-000	**ABP N83 306032**
FLD, Classic XL, Coronado	2004-10	Radiator mt., tube & fin style with slim line fittings	1E6854 BHT79465	**ABP N83 306027**
M2	2002-10	Serpentine style	BHT P5631001 BHT E2108	**New**
WFC, WFT	All	Radiator Mount	RDH RD4 3724 0	**ABP N83 306270**
EVAPORATOR				
Cascadia	2008-2011	All	VCCT1000898P	**ABP N83 308097**
FLB, FLL, FL50, FL60, FL70, FL80, FL106, FL112	1994-01	Main unit with Behr evaporator	BOA-80-374-00-439	**ABP N83 307020**
FLD112, FLD120	1994-04	Evaporator	RDH RD2 1402 0 NA1040	**ABP N83 307110**
EXPANSION VALVE				
All	1997-02	Block, #6 #10 #8 #10, with Mounting Holes	A22-45432-000 ABP N83 308211	**ABP N83 308211**
All	1998-01	Main unit	A22-45432-000 BOA 80-321-00-129	**ABP N83 308009**
Century C112, Century C120	1996-00	Main unit	A22-45432-000	**ABP N83 308009**
Century C112, Century C120	1996-00	Block, #6 #10 #8 #10, with Mounting Holes	A22-45432-000 ABP N83 308071	**ABP N83 308071**
Century C112, Century C120	1998-2005	with main system bleed type	329-474	**ABP N83 308291**
Century C112, Century C120, Century S/T, Columbia, Coronado	2000-08	Auxiliary Unit (Mini Stat O Seal), gold color	BOA-80-321-00-269	**ABP N83 308235**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
EXPANSION VALVE				
Century C112, Century C120, Columbia	2002-2010	Main unit	BOAN9535001	**ABP N83 308020**
Century C112, Century C120, Columbia, Coronado	2000-06	Main unit, (Slim line seal), gold color	ABP N83 308231	**ABP N83 308231**
Century C112, Century C120, Columbia, Coronado	2001-07	Main unit, (Stat Seal), Behr valve	BOA 4965	**ABP N83 308107**
Century C112, Century C120, Columbia, Coronado	2002-07	Auxiliary Unit, (Stat Seal), Behr valve, burgundy color	BOA 93674	**ABP N83 308117**
Century, Columbia, Coronado	9/2000-6/2002	Auxilliary Unit	BOA-80-321-00-269	**ABP N83 308241**
Coronado, FLD	2003-10	Block, #6 #12 #8 #8, with Mounting Holes	BOA-80-321-00-129	**ABP N83 308375**
FL50, FL60, FL70, FL80, FL106, FL112	1994-00	Block, #6 #10 #8 #10, with Mounting Holes	A22-45432-000 ABP N83 308071	**ABP N83 308211**
FL50, FL60, FL70, FL80, FL106, FL112	2000-02	Main unit, Hi - capacity	A22-45432-001 ABP N83 308070	**ABP N83 308125**
FL50, FL60, FL70, FL80, FL106, FL112, FLL	1994-00	Block, #6 #12 #8 #8, with Mounting Holes	A06-44004-002	**ABP N83 308375**
FLD112, FLD120, Classic XL, Coronado	1991-00	Block, #6 #12 #8 #8, with Mounting Holes	BOA-80-321-00-129	**ABP N83 308211**
FLD112, FLD120, Classic XL, Coronado	2001-07	Main unit, (Stat Seal), Behr valve	BOA A4965	**ABP N83 308107**
M2	2003-07	Main unit (Mini Stat O Seal)	VCC 88000030	**ABP N83 308241**
M2	2008-10	Block type	VCCT1001838L	**ABP N83 308016**
FILTER				
All	2003-10	Sleeper unit	A22-46891-000	**ABP N83 328375**
C, Century C112, Century C120, F	1997-06	Main unit, 10 ½"x10 ½"x¾" filter	22-44665-000	**ABP N83 328345**
C, Century C112, Century C120, Columbia, Coronado	2002-07	Main unit, 10 ⅝"x10 ⅝"x1" pleated filter	BOA 91559 FR0202P	**ABP N83 328175**
Columbia, Coronado, Cascadia	2003-11	Main unit, 10 ⅝"x10 ⅝"x1" pleated filter	BOA 91621	**ABP N83 328175**
O-RINGS / SEALS				
All		#6 Mini Stat -O - Seal, metal washer with red rubber insert, ⅝" O.D., 5⁄16" I.D.	23-13201-000	**ABP N83 312366**
All		#8 Mini Stat -O - Seal, metal washer with red rubber insert, ¾" O.D., 7⁄16" I.D.	23-13202-000	**ABP N83 312368**
All		#10 Mini Stat -O - Seal , Red, 15⁄16" O.D., 9⁄16" I.D.	ABP N83 312361	**ABP N83 312361**
All		#12 Mini Stat -O - Seal , Red, 1" O.D., 11⁄16" I.D.	PH720565	**ABP N83 312372**
All		#12 Mini Stat -O - Seal , Red, 1" O.D., 11⁄16" I.D.	ABP N83 312372	**ABP N83 312372**
All		#6 Slimline seal, metal washer (black), 9⁄16" O.D., 5⁄16" I.D.	ABP N83 312076	**ABP N83 312076**
All		#8 Slimline seal, metal washer (black), 11⁄16" O.D., 5⁄16" I.D.	ABP N83 312060	**ABP N83 312060**
All		#10 Slimline seal, metal washer (black), ¾" O.D., 9⁄16" I.D.	ABP N83 312092	**ABP N83 312092**
PRESSURE SWITCH				

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
EXPANSION VALVE				
C, Century, Classic, Coronado, FL	1989-04	Switch, Pressure, Trinary, NC	ABP N83 322175	**ABP N83 322175**
C, Century, Classic, Coronado, FL, W	1994-03	Dual Function switch, M10 x 1.25 Low: open 455 psi, closed 30psi. High: open 28psi, closed 370	22-43249	**ABP N83 318099**
C, F	1994-03	Switch, Pressure, Low, NO	085108-00	**ABP N83 318014**
Century C112, Century C120	1997-04	Switch, Pressure, APADS, High, NC	8040279P 8040135	**ABP N83 318718**
Century C112, Century C120	1997-04	Switch, Pressure, APADS, Low, NC	3966805 8040136 8040152 8040161P	**ABP N83 318748**
Century C112, Century C120	1997-07	High Pressure Fan switch with M10 threads	A22-45194-001	**ABP N83 318180**
Century C112, Century C120	2009-11	Switch, Pressure, High	06-35209-000 BOA91619	**ABP N83 318035**
FL50, FL60, FL70, FL80, FL106, FL112	1994-03	High pressure switch, normally open	A22-30930-000	**ABP N83 322315**
FL50, FL60, FL70, FL80, FL106, FL112	1994-03	All with Fujikoki binary sw with M10 threads, 4 term.	A22-43249-000	**ABP N83 318179**
FL50, FL60, FL70, M2	1974-03	Switch, Pressure, Trinary, NO	RDH RD5 4585 0	**ABP N83 318009**
FL50, FL60, FL70, M2	1994-03	Switch, Pressure, High, NO	BOA-80-941-00-063	**ABP N83 318040**
FL50, FL60, FL70, M2	1994-03	Switch, Pressure, Trinary, NO	A06-18015-000	**ABP N83 318149**
M2, FL50, FL60, FL70	2000-2011	Switch, Pressure	A22-512296-000	**ABP N83 318085**
RECEIVER DRIER				
All	1995-00	All model series with Red Dot A/C, OE# RD-5-11196-0	ABP N83 319735	**ABP N83 319735**
Cascadia	2010-2012	4"dia 7" long PAD mount fittings	A22-66700-000 A22-69800-000	**ABP N83 319015**
Century C112, Century C120	1996-01	Slim-line Stato Seal with side mounting	088502-00	**ABP N83 319534**
Century C112, Century C120	1996-01	Male & Female O-Ring with HPRV, MI, 2 M10 switch ports	ABP N83 319615	**ABP N83 319615**
Century C112, Century C120	2000-03	Quick Disconnect, side mt. fittings	ABP N83 319524 319510	**ABP N83 319665**
Century C112, Century C120, Columbia	1996-03	Male O-Ring with fuse plug, side port, top glass	A22-14425-001	**ABP N83 319291**
Century S/T	2000-07	Slim-line Stato Seal with side mounting	PH088446-00	**ABP N83 319584**
Century, Columbia	2000-04	Slim-line Stato Seal with side mounting	PH088538-00	**ABP N83 319584**
Century, Columbia	2002-11	Slim-Line seal top mt with opposing #6 male O-Ring	PH088518-00	**ABP N83 319745**
Century, Columbia , M2	2008-2010	4"dia 7" long PAD mount fittings	A22-63992-000 A22-63992-001 A22-72392-000	**ABP N83 319755**
Century, Columbia, Coronado	2000-03	Quick disconnect	ABP N83 319665	**ABP N83 319665**
FL50, FL60, FL70, FL80, FL106, FL112	1994-01	Male O-Ring with fuse plug, side port, top glass	A22-14425-002	**ABP N83 319291**
FLD, Classic XL , Coronado	1999-06	3" dia 10" high with quick siconnect	088336-00	**ABP N83 319625**
FLD112, FLD120, Classic XL	1994-01	2 ¾"x10", #6MOR in, #6MOR out, PRV, Top Glass, Side Port with Low Pressure Switch	A22-14425-003	**ABP N83 319014**
M2	2006-08	Slim-line seal with top mounting	PH088539-00	**ABP N83 319745**
RELAY				

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
PRESSURE SWITCH				
All	1974-00	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	A22-011101-022	**APB N83 320140**
All	1974-00	Relay, Compressor, 12V, 20A/30A, Tab Mount, 5 Terminals	ABP N83 320140	**APB N83 320140**
All	1974-00	Relay, Blower, 12V, 30A/40A, Socket Mount	APB N83 320140	**APB N83 320140**
All	1974-00	Relay, Compressor, 12V, 30A/40A, Socket Mount	POTVF415F11	**APB N83 320140**
RESISTOR				
All	1990-06	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	RDH RD5 3647 0 ABP N83 321060	**ABP N83 321060**
C, Century C112, Century C120, Columbia	1996-10	Blower resistor, 4 speed, 4 terminal	BOA-80-926-00-079 ABP N83 321350	**ABP N83 321350**
Century C112, Century C120	1997-10	Blower Resistor	RDH RD5 6450 0	**ABP N83 321070**
SWITCH				
All		Toggle switch with nickel plated toggle	RDH RD5 3827 2	**ABP N83 322070**
All		Toggle switch with 90 degree air fitting, ¼" in, ⅛" out	RDH RD5 4721 0	**ABP N83 322075**
All	1972-00	Valve, Solenoid, 12V, #6 MOR	207583 LA1225	**ABP N83 308069**
All	1990-06	Thermistor, CTC, 12V, Blower Speed Control	RDH RD6 4797 0 ABP N83 322925	**ABP N83 322925**
All	All	Rotary switch, 3 speed, DP3T, 4 position, 5 terminal	INM2G754A	**ABP N83 323018**
All	All	Toggle switch, SPST, 2 terminal	ABP N83 322030	**ABP N83 322030**
All	All	Toggle switch, SPST, 2 terminal	A06-11454-001	**ABP N83 322030**
All	All	Switch, Toggle, SPDT, ON-OFF-ON, 3 Terminal	A06-11454-001	**ABP N83 322185**
FL50, FL60, FL70, FL80, FL106, FL112	1993-00	Switch, Micro, 2 Terminal, with Arm	BOA-80-908-00-219	**ABP N83 320220**
FL50, FL60, FL70, FL80, FL106, FL112	1994-01	Toggle switch, DP3T, 4 position, 4 terminal	BOA-80-926-00-059	**ABP N83 322135**
FLB, FLL, FLD112, FLD120, FL50, FL60, FL70, FL80, FL106, FL112, Classic XL	1993-00	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	BOA-80-926-00-059	**ABP N83 322150**
FLD112, FLD120, Classic XL	1999-01	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	BOA-80-926-00-109	**ABP N83 322190**
FLD120, FLD112, Classic XL	1991-2010	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	A06-14889-001	**ABP N83 322190**
THERMOSTAT				
C, Century C112, Century C120, Columbia	1998-10	Main unit with fixed setting thermostat	A630-008-00 BOA-80-946-00-079	**ABP N83 323053**
C, Century, Century S/T	1990-10	Main & Sleeper unit with fixed setting thermostat	BOA-80-946-00-109	**ABP N83 323053**
C, Century, Classic, Coronado, FL	1989-04	Adjustable, Cable Controlled, 30" Capillary	02-7010174	**ABP N83 323014**
FL50, FL60, FL70, FL80, FL106, FL112, FLB, FLL	1994-01	Main unit with fixed setting thermostat	BOA-80-946-00-079	**ABP N83 323053**
WATER VALVE				
Century C112, Century C120, Columbia	1996-02	Cable operated, Red Dot	A22-44463-001 A22-44553-000 MVA1-6296	**ABP N83 324425**
FL50, FL60, FL70, FL80, FL106, FL112, FLB, FLL, MB70	1992-01	Valve, Heater, Cable Controlled, ⅝" Hose, Offset, Pull to Close	KYS 173144 MA1425	**ABP N83 324550**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
FREIGHTLINER				
THERMOSTAT				
FLB, FLD, FLL, FL50, FL60, FL70, FL80, FL106, FL112	1992-01	Cable Controlled, ⅝" Hose, Offset, Pull to Close	RDH RD5 8935 0	**ABP N83 324430**
FLB, FLD112, FLD120, FLL, Classic XL,	1991-00	Cable Operated (Bergstrom), mounts to core	MA1365	**ABP N83 324525**
FLD112, FLD120	1991-10	Cable operated, Red Dot, Main unit	A22-44553-000 MVA1-6296	**ABP N83 324425**
IHC - NAVISTAR				
ACCUMULATOR				
3200	All	Aluminum, Pad with Stud x #6 Tube Insert	3670134C1	**ABP N83 319951**
4,000,700,080,009,000	2007-10	With OE number 3666273C1	3666273-C1	**ABP N83 319949**
4200, 4300, 4400, 7300, 7400, 7500, 7600, 8500, 8600	2001-07	Aluminum, Pad Fittings with Studs, with Mounting Bracket	3542577-C2	**ABP N83 319159**
7300	After 10/10/2001	Aluminum, Pad Fittings with Studs, with Mounting Bracket	3542577-2	**ABP N83 319159**
9000, 9000i, ix, Eagle	2008-10	with Pad Mount Accumulator with OE#	3666273C1	**ABP N83 319949**
TerraStar	2012-2014	Aluminum , Pad Fittings with Studs	3839360C92 3843558C92 6102500C91	**ABP N83 319041**
ACTUATOR				
4000-4900, 50005900i, 6300, 7000-7700, 8000		2 Terminal, Actuator with Label #L6402515A	3542606C1	**ABP N83 325407**
All	All	Actuator	3542606C1 2611234C1	**ABP N83 325407**
All	All	Actuator	3599602C1	**ABP N83 324028**
All	All	Actuator	2503207C1	**ABP N83 324030**
AIR FILTER				
4000, 7000, 8000	All	A/C and heater filter, in cab, 13 ½" x 13" x ¾"	498144-C1 ZGG14265 ZGG720007	**ABP N83 328505**
4070A, 4070B	1980-2000	A/C and heater filter, in cab, 15" x 11" x ¾"	480836-C1	**ABP N83 328315**
All		Mesh filter 9" x 9" x ⅝"	ZGG720002	**ABP N83 328125**
All		Mesh filter 30" x 10 ⅜" x ⅜"	ZGG720008	**ABP N83 328485**
All		Mesh filter 28 ½" x 7 ⅛" x 5/16"	ZGG720006	**ABP N83 328475**
All		Mesh filter 22 ½" x 10 ¼" x ¼"	ZGG720005	**ABP N83 328455**
All	1995-10	All Series with OE # 1699956-C1	1699956-C1	**ABP N83 328335**
All	2000-2010	Air Filter	3839141C1	**ABP N83 325517**
All	2000-2010	Air Filter	2506656C1	**ABP N83 325518**
BLOWER MOTOR				
2000	1988-01	All with flange style motor (heavy duty)	2500485C1	**ABP N83 301024**
2000	1988-01	Flange Mount, 1 speed, 4 ¾" length, CW, No Wire	1699291C1	**ABP N83 301781**
4000, 5000, 5000i, 8000, ProStar	2009-11	All models Fan with wheel and OE#	3674285C1	**ABP N83 301886**
5000, 5000i	2000-11	with flange type motor and OE#	1699949C1	**ABP N83 301054**
5000i, 9100i, 9200i, 9400i, 9900i	2000-10	Main unit	1699949C1	**ABP N83 301065**
7300	After 10/1/01	Single Shaft, Flange Mount	3542611C2	**ABP N83 301304**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
BLOWER MOTOR				
All		OE style blower motor (only), 3 ¾" length, non-vented	411876C91 442987C1	**ABP N83 301931**
All		12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	1691717C91	**ABP N83 301761**
All		Double Shaft motor, 1 speed, 4 ¾" length	1691705C91	**ABP N83 301352**
All		12V, 1 Speed, Double 5/16" Shaft, WO/Mounting Studs	1691704C91 1691733C91	**ABP N83 301072**
CLUTCH ASSEMBLY				
4700		12V, PV8 Groove, 5 ⅜", 1 Wire	1818128C1 1818128C2	**ABP N83 303307**
4900		12V, PV6 Groove, 5 ¾", 1 Wire	1687780C92 1687780C92	**ABP N83 303287**
9100		12V, 1A Groove, 6", 1 Wire	481800-C91 ZGG19311	**ABP N83 303051**
All		12V, 1A Groove, 6", 1 Wire	14190 481800C91 ZGG19311 ZGG12141	**ABP N83 303051**
All		Poly 8 groove, 4.9" diameter (125mm)	4427-9931 7730-9930 4734-6010	**ABP N83 303157**
All		Poly 8 groove , 5 ⅛" diameter (130mm), metripak plug	4700-9931 4885-9931	**ABP N83 303767**
All		1 groove ½" width, 6" diameter pulley, 2 ¾" gaugeline, IHC plug	1653480C91 1653480-92 ZGG14191	**ABP N83 303221**
All		2 groove ½" width, 6" diameter pulley, 1 ⅝" gaugeline, bullet plug	024-21590 1647566C91 165338C91 ZGG12135	**ABP N83 303252**
All		1 groove ½" width, 6 ¼" diameter pulley, 2 11/16" gaugeline, IHC plug	2016403C1 2016403C2 ZGG19845	**ABP N83 303431**
All		2 groove ½" width, 7" diameter pulley, 2" gaugeline, bullet plug, 24V	1140568C91	**ABP N83 303342**
All		1 groove, ⅝" width, 6" diameter groove, 2 11/16" gaugeline	393681C91	**ABP N83 303281**
All		12V, 2A Groove, 132MM, 1 Wire	576625C91 ZGG11207 8517-6014	**ABP N83 303282**
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	1691736C1 ZGG16355	**ABP N83 303261**
All		12V, 2A Groove, 6", 1 Wire	165129C91 1647566C91 ZGG11566	**ABP N83 303082**
All		12V, 2A Groove, 7", 1 Wire	1687801C91 ZGG12136	**ABP N83 303012**
All		12V, PV6 Groove, 5 ¾", 2 Wire	ZGG704000	**ABP N83 303277**
All		12V, PV6 Groove, 5 ⅞", 2 Wire	ZGG19323 ZGG704000	**ABP N83 303187**
All		12V, PV6 Groove, 6 ⅛", 1 Wire	1687780C91 ZGG18414	**ABP N83 303007**
All		12V, PV8 Groove, 6 ⅛", 2 Wire	ZGG19310	**ABP N83 303123T**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
CLUTCH ASSEMBLY				
All		12V, PV8 Groove, 6 ⅛", 2 Wire	ZGG19310 ZGG19841	**ABP N83 303123T**
COMPRESSOR				
9800		7H15HD, MDA head, direct mt, poly 6, 4.9" (125mm) diameter	3541235C91 ZGG705017	**ABP N83 304893**
All		QP16HD, GWA fittings, ear mount, Poly 8 groove, 4 ¾" (123mm) 12v	3547916C1	**ABP N83 304314Q**
All		Sanden 4720, direct mount, poly 8, 119mm clutch	3808548C1	**ABP N83 304216**
All		IHC Models with Cummins 8.3L engine, Sanden #4647	2032287C91	**ABP N83 304853Q**
All		IHC Models with Detroit Series 60 engine, Sanden #4822	3551405C1	**ABP N83 304403**
All		FLX replacement, 2 groove, 5 ¼"(132mm) diameter	9285	**ABP N83 304234**
All		7H15HD GWA head, direct mt., poly 6 groove, (125mm) diameter	3541235-C91 3547916C1	**ABP N83 304319Q**
All		7H15SHD, MD head, direct mount, Poly 8 (152mm) diameter	4586 4109	**ABP N83 304438**
All		7H15HD, MDA head, direct mt, poly 6, 4.9" (125mm) diameter	3541235C91 ZGG705017	**ABP N83 304893**
All		7H15HD, JD head, direct mt, 2 groove, 5 ¼" (132mm) diameter	2032287C91	**ABP N83 304102**
All		7H15HD, JDA head, direct mt, poly 8, 4.7" (119mm) diameter		**ABP N83 304403**
All		QP15HD. 12V PV 6, 125mm, direct mount GWA head	3541235C91 4815	**ABP N83 304319Q**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063	**ABP N83 304039Q**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45011	**ABP N83 304025Q**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	488-45065	**ABP N83 304015Q**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25011	**ABP N83 304019Q**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	2003413C91 ZGG705130	**ABP N83 304953**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, KC Head, Direct Mount	3579878C1	**ABP N83 304973**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	417888C92 ER R210L- 21237 25062 25149 1676831C91 1676832C91 2502460C91	**ABP N83 304171**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	417888C91	**ABP N83 304171**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	417888C91 ER R210L- 21237 25062	**ABP N83 304171**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
COMPRESSOR				
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	ET210L-25061 21160 25150C ZGG19254 1676832C91 1676832C92 1685127C91 2000820C91 2003413C91 2502459C91 2502460C91 417888C91 468323C91 417887C93 .	**ABP N83 304031**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	ET210L-25061 21160 25150-C ZGG19254 1676832C91 1676832C92 1685127C91 2000820C91 2003413C91 2502459C91 2502460C91 417888C91 468323C91 417887C93 .	**ABP N83 304031**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	1610046C91	**ABP N83 304031**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	99244-5 ET210L-25061 21160 25150C	**ABP N83 304031**
All		GM A6, 1 groove ½" width, 4 ⅞" diameter (124mm), generic	509170C91	**ABP N83 304008**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45077	**ABP N83 304059Q**
ProStar, DuraStar		Sanden 4418, direct mount, poly 8, 119mm clutch	3582435C1	**ABP N83 304215**
CONDENSER				
2000, 7000, 8000, 9000, 9200	1992-2002	Radiator Mount, IHC and Red Dot unit, #R-10035-1, -2, -3, -4	2004801C1 2004801C2 2004801C3 2004801C4	**ABP N83 306018**
4000, 8000	2008-11	with 20" x 23-½" x ⅝" Pad Fittings with OE#	2593329C91 1E5956	**ABP N83 306330**
5000, 5000i, 5360, 5500, 5500i, 5600i, 5870, 5900i	2001-06	23 ⅝" x 20 ⅛" x ⅝"	2585373C2	**ABP N83 306327**
7000, 7100, 7300, 7400, 7500, 7600, 7700, 8000-8600i, 9000-9900i	2001-07	Two connections	2507482C92	**ABP N83 306325**
8000, 8100, 8200, 8300, 8500, 8600, 8600i	2001-07	All with OE#	2586812C91 1E5633 2505650C92 3548907F93	**ABP N83 306328**
8000-8600i, 9000-9900i	2001-07	Block connection	2508698C92	**ABP N83 306329**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
CONDENSER				
All	1993-00	4600-4900 (7.3L engine)	2000655C2	**ABP N83 306331**
ProStar	2007-10	32 ¾" x 15 ¾" x ⅝"	2601445C91	**ABP N83 306335**
ProStar	2007-2010	Condenser	2591836C91 2591621C91	**ABP N83 306337**
ProStar	2010-11	ProStar with OE#	2593329C91	**ABP N83 306330**
EVAPORATOR				
5000-5900i, 9000-9900i	2000-12	10" x 13" x 2 ⅝"	1699950C1	**ABP N83 307291**
EXPANSION VALVE				
4000-4900	1983-00	Main unit, with O-Ring style valve	1691469C2	**ABP N83 308105**
5000i, 9100i, 9200i, 9400i, 9900i	2000-10	Main unit No Nick Type Expansion Valve	1699955C1 2501794C92	**ABP N83 308281**
9000-9900i	1997-06	Sleeper units	2501794C92	**ABP N83 308281**
9200, 9300, 9400, 9600, 9700, 9800	2000-02	Main unit no nick type (O-ring) valve	2503783C91	**ABP N83 308261**
All		Expansion Valve, Right Angle, Flare, with Capillary, with Equalizer	2684701C1	**ABP N83 308015**
All		Block, #6 #10 #8 #8, with Mounting Holes	431606-R1	**ABP N83 308011**
All	1995-01	Main unit no nick type (O-ring) valve	1696846C2 1696846C3 2503783C91	**ABP N83 308261**
ProStar	2007-10	Main Cab	3599589C1	**ABP N83 308014**
ProStar, LoneStar, 4000, 7000, 8000	2007-10	Main Cab	3660853C2	**ABP N83 308022**
S	1995-01	Main unit with Red Dot A/C	1696846C2	**ABP N83 308261**
FAN				
All		12 Volt Defroster Fan Assembly	783966C93	**APB N83 309014**
All	1979-02	All models with CW, plastic blower wheel	465502C1 1693199C1 BSM302001 ZGG14606	**ABP N83 302006**
All	2001-2011	6" dia CCW	1699947C1	**ABP N83 302291**
FILTER				
9200, 9400, 9800	1997-00	All with AC and heater intake 12" x 11" x ½" with OE#	1696834C1	**ABP N83 328061**
HEATER CORE				
4000, 7000, 8000		All with OE#	3542604C3 3542604C2 BOA-85-471-77-009	**ABP N83 315023**
5000-5900i, 9000-9900i	1982-01	9" x 11" x 1 5/16" Main Cab	501099C91	**ABP N83 315021**
ProStar	2007-10	10 ⅜" x 6" x 1 ⅝" Auxiliary Sleeper	3599598C1	**ABP N83 315022**
ProStar	2007-10	Front Main Cab with OE#	3542604C3	**ABP N83 315023**
ORIFICE TUBE				
4000, 4200, 4300, 7500, 8000, 9000-9900i	2001-10	Main unit (NGV) - Behr Orifice Tube-Purple	3548044C1 BOA-80-305-00-949	**ABP N83 308311**
All	All	GM type, CCOT Orifice Tube-White with accumulator system, Main unit	1676822C91	**ABP N83 308049**
O-RINGS / SEALS				
All		O-ring Kit	3660865C1 2610414C1	**ABP N83 325176**
All		O-ring Kit	3824716C1 2610417C1	**ABP N83 325177**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
O-RINGS / SEALS				
All		O-ring Kit	3661318C1 2610415C1	**ABP N83 325178**
All		O-ring Kit	3660864C1 2610413C1	**ABP N83 325179**
All		O-ring Kit	3660862C1 2610412C1	**ABP N83 325181**
PRESSURE SWITCH				
4000-4900, 5000-5900i, 8000-8600i	2006-10	Transducer M10 thread 3 pin Brown	3546241C1	**ABP N83 318017**
4600-4900, 8100, 8200, 8300, 9200-9700	1991-00	High pressure switch, normally closed 205psi, opens 375 psi, ¼" female flare	1676787C1 318000	**ABP N83 318004**
4600-4900, 8100-8300, 9200-9700	1991-00	Low pressure switch, normally closed 5psi, open 35 psi, M10 female flare	1676786C1 318004	**ABP N83 318000**
4600-4900, 8100-8300, 9200-9700	1991-00	High pressure switch, normally closed 205psi, opens 375 psi, ¼" female flare	1676787C1 318000	**ABP N83 318004**
9000	2001-05	High Pressure Normally Closed 275 / 225psi	3521729C1	**ABP N83 318001**
9200, 9300, 9400, 9900, 9900i	1985-00	Low pressure switch, normally open 11psi, close 39 psi, ¼" female flare	442183C1 442183C2 587977C1	**ABP N83 318094**
All		APADS switch high pressure	8040177P	**ABP N83 318037**
All		APADS switch low pressure	8040178P	**ABP N83 318041**
All	1993-03	Switch, Pressure, High, NO	1514307C1	**ABP N83 318060**
All	1993-05	Switch, Pressure, Trinary, NO	1691699C91	**ABP N83 318009**
All	1993-05	Switch, Pressure, Trinary, NO	1676658C1	**ABP N83 318149**
All	1998-03	Switch, Pressure, APADS, Low, NC	1699310-C1 8040136	**ABP N83 318748**
All	All	Accumulator Switch fits 3542577C2	3622764C3	**ABP N83 322671**
LoneStar, ProStar, TerraStar	2010-2014	Low Pressure Switch	3839315C1	**ABP N83 318076**
RECEIVER DRIER				
2000, 4600-4900, 5000, 8100-8300, 9200-9700	1993-08	3"x10", 11⁄16" FOR in, #6 FOR out, PRV, Top Glass, R134A Service Port	1693117C1 2000821C1	**ABP N83 319925**
4600, 4700, 4800, 4900, 4954, 5000, 8100, 8200, 8300	1991-00	3"x8 ¼", #6 MOR in, #6 MOR out, PRV, Side Glass, Top Port	1676663C1	**ABP N83 319110**
9000-9900i	2001-2007	3"x10", 11⁄16" FOR in, #6 FOR out, PRV, Top Glass, R134A Service Port	1693117C1	**ABP N83 319925**
9000-9900i	All	3"x10", 11⁄16", QD in, QD out, Moisture Ind, (2) M10 Switch Ports	1607149C2	**ABP N83 319725**
9000-9900i	All	Quick disconnect, #6 male, #6 female outlet, 2 M10 ports		**ABP N83 319625**
All	1973-03	3"x10", 11⁄16" FOR In, #6 FOR out, PRV, Top Glass	2000821C1	**ABP N83 319910**
All	1993-01	3"x10", QD In, QD out, PRV, Top Glass, R134A Service Port	2004050C1	**ABP N83 319644**
RESISTOR				
2000, 4600, 4700, 4900, 8100-8300	1991-02	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	1696836-C1 650179	**ABP N83 321300**
2000-2600, 4000-4900, 8000-8600i	1977-01	IHC Resistor, 4 terminal, 4 speed	506552C1 BSM321010 ZGG14512	**ABP N83 321201**
4000, 4600, 4700, 4900, 5000, 7100, 7400, 8000, 9000-9900	2002-07	LPM Module 5 terminal	3562102C1	**ABP N83 321004**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
IHC - NAVISTAR				
RESISTOR				
5000, 9000, ProStar	2007-10	LPM Module	3626414C1	**ABP N83 321003**
5000i, 9100i, 9200i, 9400i, 9900i	2000-04	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	2500918-C1	**ABP N83 321300**
All	1977-00	Sleeper units with 3 terminal, 4 speed resistor	469458-C1	**ABP N83 321201**
All	1977-01	IHC Resistor, 4 terminal, 4 speed	506552C1 BSM321010 ZGG14512	**ABP N83 321201**
All	1991-01	Blower Resistor	506552C1	**ABP N83 321201**
ProStar	2010-2013	LPM Module	2510671C1	
SWITCH				
9300, 9370, 9400, 9400i, 9600, 9670, 9671, 9700	1981-01	Blower (fan) toggle switch, 10 terminal, OFF-ON-ON-ON	501087C1 501087C3 ZGG14469	**ABP N83 322430**
All	1976-03	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	INM2G754A	**ABP N83 322190**
All	2001-08	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	1661420C1	**ABP N83 322150**
All	All	Valve, Solenoid, 12V, #6 MOR	1669329C1 1669334C1	**ABP N83 308069**
ProStar	2007-2010	Blower Switch	3600338C1	**ABP N83 322026**
ProStar	2007-2010	Blower Switch	3600339C1	**ABP N83 322027**
THERMOSTAT				
5000, 7100, 9000, 9100, 9200, 9300, 9400, 9600, 9700	1973-01	Cable controlled thermostat, 43" cap tube	581691C1	**ABP N83 323024**
5500i, 5600i, 5900i, 9100, 9300, 9400, 9800	All	Fixed, 25" Capillary, 34°-44°, with Threaded Mountinf Holes	1699953C1	**ABP N83 323065**
All		Fixed, 24" Probe	1676655C91 1691722C91	**ABP N83 323010**
All		Fixed, 24" Probe	1691726C91 3093422	**ABP N83 323040**
All		Fixed Setting thermostat with 16" capillary tube, flange mt.	1691729C91 BOA-80-946-00-079	**ABP N83 323053**
All		Adjustable, 36" Probe	175575C1	**ABP N83 323118**
All		Adjustable, 48" Capillary	301305C91	**ABP N83 323108**
All		Adjustable, Cable Controlled, 30" Capillary	445444C1	**ABP N83 323014**
All		All Models with factory air with rotary switch	A45-1033 13011C2	**ABP N83 323088**
All	1989-01	Fixed setting thermostat, 25" cap tube	1664248C1	**ABP N83 323065**
WATER VALVE				
4000-4900, 7000-7700, 8000-8600i	2001-07	with OE number	3542575C1 3542575C2	**ABP N83 324027**
9000, 9900i, ix, Eagle	1997-00	Water Shutoff (¾" x ½" NPT)	367972C92 ZGG11080	**ABP N83 324029**
All		Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	899996-R91	**ABP N83 324050**
All		Manual valve for ⅝" hose to ⅝" hose	ZGG14525	**ABP N83 324020**
All	2001-07	with OE number	3542575C1 3542575C2	**ABP N83 324027**
KENWORTH				
ACCUMULATOR				
All	1998-10	Accumulator Pad mount	F37-6063 18-04171	**ABP N83 319072**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
ACCUMULATOR				
All	1998-10	Aluminum, 3 ½"x9 ⅛" Pad Fitting in, Pad Fitting out	F31-6063 18-04171	**ABP N83 319072**
ACTUATOR				
All	1996-03	Universal, 12⅞4V, 4 pin Deutz Connector, 104° Max Travel	MA14400 650341BSM	**ABP N83 301458**
AIR FILTER				
All	1993-2000	Filter, Cab Air	5X000190 5X000180	**ABP N83 325516**
All	1998-2010	Filter, Cab Air	5X010007	**ABP N83 325515**
All	2008-2010	Filter, Cab Air	5X013817	**ABP N83 325514**
T2000	2002-09	Filter, Cab Air	GD11800 525507BSM 525507	**ABP N83 328333**
BLOWER MOTOR				
All	1995-07	12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	HA16050 HA1605 203076	**ABP N83 301261**
All	All	12V, Reversible, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	20322P 20332P	**ABP N83 301033**
All	All	24V, CCW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	20303P	**ABP N83 301321**
All	All	12V, CW, 2 Speed, Single 5⁄16" Shaft, with Mounting Studs	20132P	**ABP N83 301051**
All	All	12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	20152P1 20302P	**ABP N83 301051**
All	All	12V, 1 Speed, Double 5⁄16" Shaft, WO/Mounting Studs	20578P	**ABP N83 301072**
C500	1980-09	12V, 1 Speed, Double 5⁄16" Shaft, WO/Mounting Studs	HB16100 HB1610 203080 K318-201	**ABP N83 301072**
C500, C500B	1978-98	12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	HA1105 HA1100	**ABP-N83301051**
K100, K100E	1983-07	12V, 1 Speed, Double 5⁄16" Shaft, without Mounting Studs	HB15700 HB1570 HB1680 203085 HA16050 HA1605 203076	**ABP N83 301322**
K100E	1986-07	12V, 1 Speed, Double 5⁄16" Shaft, without Mounting Studs	HB15700 HB1570 HB1680 203085	**ABP N83 301322**
T2000	1996-10	12V, 1 Speed, Double 5⁄16" Shaft, with Mounting Studs	HA15250 HA1525 203142BSM 871218BSM	**ABP N83 301028**
T2000	1996-12	12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Tabs	HA12600 203139BSM	**ABP N83 301073**
T270, T370, T470	2005-12	12V, CW, 1 Speed, Single 5⁄16" Shaft, Flange Mount	3X010983	**ABP N83 301305**
T300, T400, T600, W900	1997-01	12V, 1 Speed, Double 5⁄16" Shaft, without Mounting Studs	HA13500 203235BSM	**ABP N83 301322**
T700	2011-12	W/ Bergstrom main unit	203142BSM	**ABP N83 301028**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
BLOWER MOTOR			HB16100	
W900	1980-12	12V, 1 Speed, Double 5/16" Shaft, WO/Mounting Studs	HB1610 203080	**ABP N83 301072**
W900	1995-97	12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	HA1120 2807-517-019	**ABP N83 301761**
BLOWER WHEEL				
All	1987-02	CW, Single Entry	HC12800 HC1280 1-1034Q 52980P	**ABP N83 302051**
All	1987-07	CW, Single Entry	HC1285 HC1280 HC 12800 52480P	**ABP N83 302111**
All	All	CCW, Single Entry	HC14000 HC1400 HC1015	**ABP N83 302041**
All	All	CCW, Single Entry	HC10250 HC1025 1-1033Q	**ABP N83 302021**
All	All	CCW, Single Entry	HC10250 HC1025 RD-3106-14	**ABP N83 302021**
All	All	CW, Single Entry	HC12800 HC1280 1-1034Q	**ABP N83 302111**
All	All	CW, Single Entry	HC16200 HC1620 RD-5-3800-1	**ABP N83 302111**
All	All	CW, Single Entry	HC1325 HC1405 260822 260830	**ABP N83 302061**
All	All	CW, Single Entry	HC13250 HC1325 RD5-5601-0	**ABP N83 302061**
All	All	Reversible, Double Entry	HC1075 1199001	**ABP N83 302022**
All	All	Reversible, Double Entry	RD-5-3933-1	**ABP N83 302022**
All	All	Reversible, Double Entry	302042	**ABP N83 302052**
C, T, W	1986-2010	w Bergstrom unit	589540	**ABP N83 302321**
LCF, Mid Ranger, 200, 210	1987-96	Reversible, Double Entry	HC13500 HC1350 RD5-5656 0	**ABP N83 302032**
T2000	1996-07	Reversible, Double Entry	HC10500 HC1050	**ABP N83 302222**
W900	1986-10	Reversible, Double Entry	HC10500 HC1050 589540	**ABP N83 302222**
CLUTCH ASSEMBLY				
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	KA10550 KA1055 511869 511575 303261	**ABP N83 303261**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
CLUTCH ASSEMBLY			KA1160	
All		12V, 2A Groove, 125MM, 1 Wire	6511-6210 511946 K322-39	**ABP N83 303462**
All		12V, 2A Groove, 132MM, 1 Wire	KA1075 6519-6010 KA1350 KA1345	**ABP N83 303282**
All		12V, PV7 Groove, 119MM, 1 Wire	4645-9931 6512-6210	**ABP N83 303207**
All		24V, 2A Groove, 125MM, 1 Wire	K332-B25 4611-9931	**ABP N83 303003**
All		12V, 2A Groove, 125MM, 2 Wire	KA44260 KA4426 4426-9931 1399068	**ABP N83 303402**
All		12V, 2A Groove, 125MM, 1 Wire	6511-6110 9353-6010	**ABP N83 303232**
All		12V, 1A Groove, 6″, 1 Wire	KA10950 KA1095 K332-62-2 024-21942	**ABP N83 303051**
All		12V, PV6 Groove, 5 ¾″, 2 Wire	KA14000 KA1400 024-25244 KA332-59-7	**ABP N83 303277**
All		12V, PV6 Groove, 5 ¾″, 1 Wire	KA14100 KA1410 K332-59-3 024-25078 024- 25144	**ABP N83 303287**
All		12V, PV6 Groove, 5 ⅞″, 2 Wire	KA15350 KA1535 024-25241 K322-59-7	**ABP N83 303187**
All		12V, PV6 Groove, 6 ⅛″, 1 Wire	KA13900 KA1390 KA14000 KA1400 KA14800 KA1480	**ABP N83 303007**
All		12V, PV8 Groove, 5 ⅜″, 1 Wire	KA14850 KA1485 024 25247 14444 MA N05	**ABP N83 303307**
All		12V, PV8 Groove, 6 ⅛″, 2 Wire	KA14050 KA1405 024-25247 K332-59-4	**ABP N83 303123T**
All		12V, 2A Groove, 6″, 1 Wire	KA10400 KA1040 K332-62-1 K332-19 K322-24 K322-27 5019390CC	**ABP N83 303082**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
CLUTCH ASSEMBLY				
All		12V, 2A Groove, 6", 2 Wire	KA15250 KA1525 024-25238 K332-59-5	**ABP N83 303063T**
All		12V, 2A Groove, 7", 1 Wire	KA1090 332334 MA-7A	**ABP N83 303012**
COMPRESSOR				
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, PV8 Groove, 6 ⅛", 2 Wire	LC2125 ET210L-25246C	**ABP N83 304201T**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	LC2000 LD1000 99239-5 ER210L-25149 K318-48-4	**ABP N83 304171**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	LC2100 LD1030 99241-3 LD1035 99244-3 ET210L-25150	**ABP N83 304031**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 1 Wire	LC1140 LC1015 ET210L-25073C	**ABP N83 304101T**
All		QP16HD, 12V, 8GRV, 119mm, GQ head	4705 F69-6002-212 18-04178	**ABP N83 304279Q**
All		QP16HD, 12V, PV8 Groove, 123MM, 2 Wire, H Head	LF0211 F69-6001-211 18-04178 252-1496	**ABP N83 304279Q**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063	**ABP N83 304039Q**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	103-55011 435-55011 488-45011	**ABP N83 304025Q**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	435-55065 488-45065	**ABP N83 304015Q**
All		QP15HD, 12v direct mount GQ head, 119mm, Poly 8	F69-6003-111	**ABP N83 304884Q**
All		QP15HD, 12VDirect mount GH head, 125mm dia	F69-6003-122 4376 4079	**ABP N83 304904Q**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, F Head, R-12	488-25063 K318-36-02	**ABP N83 304029Q**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	LF1005 488-25011 K318-36-03	**ABP N83 304019Q**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25077	**ABP N83 304099Q**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	4645SAN 4645 LE1150	**ABP N83 304953**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JDA Head	4647SAN LE1135 4664	**ABP N83 304853Q**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
COMPRESSOR				
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JDA Head	4647SAN LE1135 F69-6001-253 LE1640 18-04088 4713SAN 4713	**ABP N83 304853Q**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	4660	**ABP N83 304344**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, MDA Head	4672SAN 4672 F69-6001-215	**ABP N83 304873**
All		5H14HD, 12V, 2A Groove, 132MM, 1 Wire, FL Head	LE1620 LE1035 4644	**ABP N83 304102**
All		7H15SHD, 12V, Direct mount, GQ head, 126mm, PV12	4078 F69-6003-151	**ABP N83 304199**
All		7H15SHD, PV8 Groove, 119mm, KCA head, direct mount	4090 4391	**ABP N83 304435**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, GQ Head	LF0231 F69-6002-231 4426SAN 4696SAN	**ABP N83 304639**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, KG Head	4739SAN 4739 F69-6002-214 18-04291	**ABP N83 304394**
All		7H15SHD, PV8 Groove, 119mm, GSA head, direct mount	4081 4398	**ABP N83 304458**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, KC Head, Direct Mount	LE1085 K318-103 4667SAN F69-6002-114	**ABP N83 304973**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD Head	LE1145 75R8422	**ABP N83 304125**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, JDA Head, Direct Mount	4740SAN 4740	**ABP N83 304173**
All		7H15HD, 12V, PV6 Groove, 125MM, 2 Wire, GSA Head, Direct Mount	4731 4424	**ABP N83 304163**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA Head, Direct Mount	4626SAN 4626 4695 LE1140 1CC4696 F69-1000 F69-6001-153	**ABP N83 304095**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, GQ Head, Direct Mount	4432 4759 F69-1003 F69-6002-111	**ABP N83 304741**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	LC2120 ET210L-25237C	**ABP N83 304141T**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
COMPRESSOR				
All	2000-06	7H15HD, 12V, PV6 Groove, 125MM, 2 Wire, GQ Head, Direct Mount	4425 4792 F69-6003-121 F69-6000 F69-6002-122	**ABP N83 304481**
CONDENSER				
K100, K100E	1983-05	Grilldenser, Non Functional	K137-189 K137-288	**ABP N83 306615**
T2000	1996-08	Radiator Mount	486684-5008 1514022	**ABP N83 306620**
T300	1988-96	Grilldenser, Non Functional, Aluminum Finish	K137-300-1	**ABP N83 306605**
T300	1988-96	Grilldenser, Non Functional, Black Finish	K137-300-2	**ABP N83 306610**
T300	1995-00	Radiator Mount	K122-128	**ABP N83 306550**
T300, T660, W900	2008-2012	Condenser	N4783001	**ABP N83 306338**
T400, T450, T470, T500, T600, T600A, T600B	1995-00	Radiator Mount	K122-125	**ABP N83 306575**
T400, T602, T603	1996-06	Grilldenser, Non Functional, Aluminum Finish	K137-299-1 RD4-5190-0	**ABP N83 306590**
T400, T602, T603	1996-06	Grilldenser, Non Functional, Black Finish	K137-299-2	**ABP N83 306595**
T700, T800, T2000	2008-12	Radiator Mount	N4778001 M3611002	**ABP N83 306380**
T800	1992-95	Radiator Mount	K122-102 RD4-4300-0	**ABP N83 306530**
W900B	1994-98	Radiator Mount	K122-121 RD4-4403-1	**ABP N83 306260**
EVAPORATOR				
13-210 Mid Ranger	1987-95	Evaporator Coil	NA11450 NA1145	**ABP N83 307230**
C500	1996-03	Evaporator Coil	NA10050 NA1005 151280	**ABP N83 307300**
C500, T300, T600, T800, W900	1995-09	Evaporator Coil	NA10900 NA1090 151328 NA10050 NA1005	**ABP N83 307300**
EXPANSION VALVE				
All		Right Angle, O Ring, with Capillary, with Equalizer	EA10200 EA1020 RD5-3824-1	**ABP N83 308085**
All		Right Angle, Flare, with Capillary, with Equalizer	EA10050 EA1005 RD4126-1	**ABP N83 308015**
All	1986-07	Block, #6 #10 #8 #8, with Mounting Holes	EA10650 EA1065 540031	**ABP N83 308011**
C500	1976-09	Block, #6 #10 #8 #8, with Mounting Holes 1.5 ton	EA10650 EA1065 404098	**ABP N83 308011**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
EXPANSION VALVE				
C500	1981-95	Right Angle, O Ring, with Capillary, with Equalizer	EA10200 EA1020 1-1845Q 404073 56380 EA12300 EA1230 576270	**ABP N83 308085**
C500, T270-T470, W900	2007-11	Block, M10, M12 ports 2 ton	540446BSM	**ABP N83 308251**
C500, T300, T400, T600, T800, W900	1995-08	Block, #6 #10 #8 #8, with Mounting Holes	EA10650 EA1065 540031 404098 EA1210	**ABP N83 308011**
K100, K100C, K100E	1982-07	Block, #6 #10 #8 #8, with Mounting Holes	EA10650 EA1065 RD4157-0 404098 D2953-5350	**ABP N83 308011**
T2000	1996-10	Block, #6 #10 #8 #8, Flange Mount, with M10 & M12 Schrader	540057	**ABP N83 308141**
T2000	1996-10	Block, #6 #10 #8 #8, Flange Mount	540056	**ABP N83 308151**
HEATER CORE				
All	1996-07	Heater Core	MC11350 MC1135 108263	**ABP N83 315500**
C500, T300, T400, T600, T800, W900	1995-10	Heater Core	MC10050 MC1005 110640	**ABP N83 315350**
PRESSURE SWITCH				
All	All	Switch, Pressure, APADS, High, NC	8040279P 8040135P 8040135	**ABP N83 318718**
All	All	Switch, Pressure, APADS, Low, NC	8040136P 8040152P 8040152	**ABP N83 318748**
All	All	ECM, APADS Controller	8042103P 8042103	**ABP N83 318608**
All	All	ECM, APADS Controller	8042105	**ABP N83 318638**
C500, K100, T400	1981-07	Switch, Pressure, High, NC	18-03835 79PSL2	**ABP N83 318170**
C500, K100, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, W901	1981-08	Fan Overide switch (gray) M10 NC	P93CAA-3606-01 K301-370-1	**ABP N83 318104**
C500, K100, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W,W900	2006-08	Dual function (Brown) M10, NC,330-370psi	79PSD4-1 K301-370-1	**ABP N83 318027**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
PRESSURE SWITCH				
C500, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, K100E	1989-99	Switch, Pressure, High, NC	BB10250 BB1025 867559	**ABP N83 318030**
C500, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, K100E	1989-99	Switch, Pressure, Trinary, NO	BC10050 BC1005 RD5-4585-0	**ABP N83 318009**
C500, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, K100E	1989-99	Switch, Pressure, Trinary, NC	BA12650 BA1265 RD5-4620-0	**ABP N83 322175**
T2000	1998-07	Switch, Pressure, High, NC w M10 port	650697BSM	**ABP N83 318170**
RECEIVER DRIER				
C500, K100, T400, T450, T600, T800, W900B	1994-02	3"x10", Quick Connect in, Quick Connect out, Side Glass, Moisture Indicator	JA20350 JA2035 PH088341-00	**ABP N83 319654**
C500, K100, T400, T450, T600, T800, W900B	1994-07	3"x10", #6FOR in, #6MOR out, Side Glass, Moisture Indicator	GD11350 GD1135 K251-571 RD5-8254-0 F37-1003	**ABP N83 319027**
T2000	1996-10	3"x10 $1\frac{1}{16}$", Slimline Manifold Block	JA22250 JA2225 F37-6000C	**ABP N83 319575**
RELAY				
All	1986-10	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	CB11150 CB1115 652420	**APB N83 320140**
All	1986-10	Relay, Blower, 24V, 20A/30A, Tab Mount, 5 Terminal	CB10750 CB1075 RD5-4417-0	**ABP N83 320280**
All	1986-10	Relay, Blower, 12V, 15A, Socket Mount, 8 Terminal	CB10100 CB1010 RD5-5027-1	**ABP N83 320170**
All	1986-10	Relay, Blower, Twin Temp, 12V, 10A, Socket Mount, 8 Terminal	CB10250 CB1025 RD4370-0	**ABP N83 320120**
All	All	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	CB10050 CB1005 RD5-4408-0	**APB N83 320140**
T2000	1986-10	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	CB11150 CB1115	**APB N83 320140**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
RESISTOR				
C500, K100E, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, W900B	1995-09	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA10350 CA1035 650179	**ABP N83 321300**
SWITCH				
All	1976-01	Solenoid, 12V, Fan Clutch Air Control	BA12450 BA1245 RD5-0060-0	**ABP N83 322390**
All	1976-01	Switch, Air, Push Button, Chrome	BA12350 BA1235 RD5-3827-4	**ABP N83 322165**
All	All	Switch, Rocker, 5 Terminal	BE10050BE1005 RD-4225-2	**ABP N83 322355**
All	All	Switch, Rocker, 6 Terminal	BA10400 BA1040 RD-4151-4 K301-19	**ABP N83 322205**
All	All	Switch, Rocker, 5 Terminal	BA12600 BA1260 RD-4151-2	**ABP N83 322325**
All	All	Switch, Rocker, 5 Terminal	BA10300 BA1030 223183 RD5-3599-0P	**ABP N83 322375**
C500, K100, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W, W900B	1981-97	Circuit Breaker, 30A, Push Button Reset	CC10200 CC1020 K1110-0552-30	**ABP N83 320060**
C500, K100, W900, W900B, W900L	All	Switch, Toggle, 3 Terminal	BE10250 BE1025 RD-4225-1 K301-89	**ABP N83 322350**
C500, K100E, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W	1981-00	Switch, Micro, 3 Terminal, with Arm	BA10800 BA1080 652100	**ABP N83 322435**
C500, K100E, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W	1986-00	Switch, Bent Lever, 5 Terminal	BA10050 BA1005 652090	**ABP N83 322003**
C500, K100E, W900B, T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W	1996-07	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	BA10650 BA1065 FG1005 651690	**ABP N83 322190**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
SWITCH				
C500, K100E, W900B,T2000, T270, T300, T370, T400, T450, T470, T500, T600, T600A, T600B, T602, T603, T660, T700, T800, T800B, T800H, T800W	1996-08	Switch, Micro, 2 Terminal, with Arm	BA10800 BA1080 BA1045	**ABP N83 320220**
C500, W900	All	Switch, Rocker , 3 Terminal	BA12950 BA1295 RD-4151-1	**ABP N83 322320**
Conventional	1976-01	Valve, Solenoid, 12V, #6 MOR	CD1000 RD4188-0	**ABP N83 308069**
T2000	1996-05	Circuit Breaker, 15A, Push Button Reset	CC10150 CC1015 K1110-0548-15	**ABP N83 320050**
T2000	1996-05	Circuit Breaker, 20A, Push Button Reset	K1110-0548-20	**ABP N83 320052**
T300	2006	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	BA13900 BA1390 650657	**ABP N83 322190**
THERMOSTAT				
13-210 Mid Ranger	1987-96	Fixed, 24" Probe	BD11050 BD1105 404145	**ABP N83 323010**
13-210 Mid Ranger	1987-96	Fixed, 24" Probe	BD10750 BD1075 RD4427-24	**ABP N83 323040**
All	All	Adjustable, 48" Capillary	BD10350 BD1035 BD1025 1-4185Q 404082	**ABP N83 323108**
C500, T300, T600, T800, W900	1991-08	Fixed, 12" Probe	BD13550 BD1355 650163BSM	**ABP N83 323050**
K100E	1986-02	Fixed, 24" Probe	BD11050 BD1105 589490	**ABP N83 323010**
T2000	1996-10	Fixed, 12" Probe	BD13550 BD1355 RD5-8938-0 650163BSM	**ABP N83 323050**
WATER VALVE				
All		Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	MA10600 MA1060 MA1115 1-1574Q RD5-5119-0	**ABP N83 324010**
All		Cable Controlled, ⅝" Hose, STR-STR, Pull to Close	MA11000 MA1100 RD-5-5300-0	**ABP N83 324080**
All		Cable Controlled, ⅝" Hose, STR-90º, Pull to Open	MA12850 MA1285 RD5-5495-1	**ABP N83 324080**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
KENWORTH				
WATER VALVE				
All		Air Controlled, ¾" Hose, 90°	MA10500 MA1050 RD5-4797-0 RD5-8859-0	**ABP N83 324565**
All	1983-00	Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	MA10650 MA1065 RD5-4923-0	**ABP N83 324215**
All	1983-00	Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	MA12750 MA1275 RD4257-0	**ABP N83 324050**
All	1983-00	Cable Controlled, ⅝" Hose, Offset, Pull to Close	MA1165 173096 869639	**ABP N83 324430**
All	1983-02	Cable Controlled, ⅝" to ¾" Hose, STR-STR, Pull to Open	MA1345 DA1020 RD5-3877-0	**ABP N83 324445**
All	1987-00	Air Controlled, ⅝" Hose, Offset	MA10850 MA1085 RD5-5138-0	**ABP N83 324015**
All	1987-02	Air Controlled, ⅝" Hose, 90°	MA10200 MA1020 RD5-4800-0 RD5-8804-0 K295-193	**ABP N83 324400**
MACK				
ACTUATOR				
All		Single action air cylinder, ¾" diameter, 3 ¼" length	4379-RD32671	**ABP N83 318183**
All		Actuator, Air, Single Action	4379-RD554144	**ABP N83 318113**
All		Actuator, Air, Single Action	4379-RD557845	**ABP N83 318083**
All		Actuator, Air, Double Acting	4379-RD554241	**ABP N83 318123**
MR (Oscar)	2007-08	Universal, 12½24V, 4 pin Deutz Connector, 104° Max Travel	4379-RD5118620	**ABP N83 301458**
BLOWER MOTOR				
All		Motor, 12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	7979-274070	**ABP N83 301004**
All		Motor, 12V, CW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	7979-275130	**ABP N83 301101**
All		Heater blower motor, 1 speed, CW, 4" length	4379-RD556340	**ABP N83 301097**
All	1979-86	Motor, 12V, CCW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	4379-RD310618	**ABP N83 301191**
All	1981-86	Motor, 12V, CCW, 2 Speed, Single 5⁄16" Shaft, with Mounting Studs	4379-RD310613	**ABP N83 301131**
All	1986-93	Motor, 1 speed, CW, 4" length, Sleeper Series (C.O.E.) with Bunk Blower	4379-RD556341	**ABP N83 301097**
All	1987-94	Motor, 12V, CCW, 1 Speed, Single 5⁄16" Shaft, with Mounting Studs	4379-RD565261	**ABP N83 301761**
All	1995-02	Sleeper Series with Red Dot Model R-4230/R-4240	4379-RD582030	**ABP N83 301331**
C.O.E.	1986-96	Motor, 12V, 1 Speed, Double 5⁄16" Shaft, with Mounting Studs	4379-RD554350	**ABP N83 301411**
C.O.E., Conventional	1986-93	Motor, 12V, 1 Speed, Double 5⁄16" Shaft, with Mounting Studs	HA1175 203174 203178	**ABP N83 301411**
CH	1988-02	Red Dot A/C, single shaft, CCW, 4 13⁄32" length	4379-RD582030	**ABP N83 301331**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
BLOWER MOTOR				
CH, CL	1988-00	Sleeper Unit, heater blower motor, 1 speed, CW, 4" length	4379-RD591020	**ABP N83 301097**
CM	1988-97	Main unit with single shaft, 4 7/8" length	HA1695 4379-RD559070	**ABP N83 301421**
Conventional	1985-91	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	HA1700	**ABP N83 301411**
CS Midliner	1986-96	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	7979-275102	**ABP N83 301172**
CS Midliner Conv	1988-93	Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs, RFI Shielded	HA1060 4379-RD582040	**ABP N83 301121**
CS Midliner Conv	1990-02	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	4379-RD551210	**ABP N83 301192**
CX, Vision	1999-00	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	4379-RD591000	**ABP N83 301004**
CX, Vision	2000-08	Main Unit Bergstrom system	7787-869445	**ABP N83 301987**
F	1975-81	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	2790-275140	**ABP N83 301192**
LE	1993-00	Main unit	4379-RD552692	**ABP N83 301821**
MH Ultraliner	1986-94	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	4379-RD555120	**ABP N83 301261**
MR (Oscar)	2007-08	2RD570M Unit with Heater A/C, 12V blower motor assy	RD 5 8837 0	**ABP N83 301282**
MR (Oscar)	2007-08	2RD570M2, M3 Unit with heater only, Unit with Heater A/C, 12V double blower motor only	4379-RD5123580	**ABP N83 301194**
MS Midliner	1979-01	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	275102-060	**ABP N83 301172**
R, RL, RS, RW, U, DM	1981-85	with Kysor Mini-Brute Combo A/C, heater blower motor, 1 speed, CW, 4" length	2790-275160	**ABP N83 301097**
R, U, DM Conventional	1975-93	Heater Only (Flanged Motor)(Evans) Black		**ABP N83 301275**
R, U, DM Conventional	1987-93	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	4379-RD537530 4379-RD565260	**ABP N83 301001**
WL, WS	1981-86	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	4379-RD565260	**ABP N83 301001**
BLOWER WHEEL				
C.O.E.	1986-94	CW, Single Entry	4379-RD538001	**ABP N83 302111**
CS, CS Midliner	1982-00	Reversible, Double Entry	7979-260680	**ABP N83 302032**
CS, CS Midliner Conventional	1990-02	Red Dot A/C with 3 5/16" double entry wheel, 3 3/4" width	4379-RD348291	**ABP N83 302012**
CX	2000-01	Main unit	4379-RD566511	**ABP N83 302251**
DM C.O.E.	1979-86	CCW, Single Entry	4379-RD310614	**ABP N83 302021**
DM, DM C.O.E.	1979-86	CCW, Single Entry	4379-RD31069	**ABP N83 302041**
DM, DM C.O.E., DMM	1979-99	CW, Single Entry	4379-RD552630	**ABP N83 302051**
LE	1993-00	Reversible, Double Entry	HC1300 4379-RD325572	**ABP N83 302002**
MC	1986-99	Reversible, Double Entry	4379-RD539330	**ABP N83 302022**
MS, MS Midliner	1990-99	Reversible, Double Entry	4379-RD556560	**ABP N83 302032**
R, RW, RL, RS C.O.E.	1979-86	CCW, Single Entry	4379-RD31069 HC1015	**ABP N83 302041**
CLUTCH ASSEMBLY				
All		12V, 2A Groove, 132MM, 1 Wire	6574-6210 6514-6210	**ABP N83 303282**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
CLUTCH ASSEMBLY				
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	511869 4379-RD566460	**ABP N83 303261**
All		12V, 2A Groove, 6", 1 Wire	IMX240 1MXA1280 10884	**ABP N83 303082**
All		12V, 2A Groove, 7", 1 Wire	IMX246 7534 332334	**ABP N83 303012**
All		2 groove 6" diameter pulley, ½" width, 1 ⅝" ga, bullet plug	IMX242 7531 332639	**ABP N83 303252**
All		1 groove, 6 ¾" diameter pulley, ½" width, 1 ¾" gaugeline, bullet plug	1MXA3217 10582 502731	**ABP N83 303071**
All		2 groove 5 $^{21}/_{64}$" 135mm diameter pulley, ½" width, bullet plug	2570151 624-19724	**ABP N83 303712**
COMPRESSOR				
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063 4379-RD589440	**ABP N83 304039**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45011 4379-RD571450	**ABP N83 304025**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	488-45065 4379-RD571640	**ABP N83 304015**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25011 4379-RD558760	**ABP N83 304019**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25077 4379-RD570230	**ABP N83 304099**
All		7H15SHD, 12V, PV 8 Groove, 132mm, WV head, Direct mount	4493 4733 4892 20501067	**ABP N83 304634**
All		7H15SHD, 12V, PV 6 Groove, 132mm, WV head, Direct mount	4494 4757 4891 20501069	**ABP N83 304624**
All		7H15SHD, 12V, 2A Groove, 132mm, WV head, Ear mount	4717 4777 4893 85104592	**ABP N83 304574**
All		SD7H15, 12v 2A Groove 125mm, QD head Ear mount	7803 15653237	**ABP N83 304652**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD head	4379-RD571200 4627	**ABP N83 304125**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA head, Direct Mount	206RD49AM 4626	**ABP N83 304095**
All		7H15SHD, 12V, 2A Groove, 132mm, WV head, Direct mount	4715 4890 85104593	**ABP N83 304213**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	99242-5 ER210L-25149	**ABP N83 304171**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	99244-5 ET210L-25150	**ABP N83 304031**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45077 4379-RD596091	**ABP N83 304059**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
COMPRESSOR				
All		7H15HD, JD head, ear mount, 2 groove, 5 ¼"(132mm) diameter	206RD413M 4639	**ABP N83 304102**
All		7H15HD, JDA head, direct mount, poly 8, 4.7" (119mm) diameter	4822	**ABP N83 304403**
All		7H15HD direct mount, poly 6 gr. (125mm) diameter, 2 wire	206RD51M 20514024 4883	**ABP N83 304241**
All		7H15SHD, WV head direct mount, poly 8, (180mm) diameter	4326E 4326	**ABP N83 304994**
All		SPRHD, WV head, direct mount, 8 groove, 7" (180mm) diameter	206RD53M 4326	**ABP N83 304994**
CONDENSER				
All		Red Dot Roof Mounted A/C	4379-RD438741	**ABP N83 306130**
All	2000-2008	Condenser Coil	210RD59M	**ABP N83 306334**
CH	1994-1998	Main unit radiator mount, serpentine coil	210RD421M 4379-RD457620	**ABP N83 306885**
CH	2000-08	Main unit radiator mount, serpentine coil	210RD411M 4379-RD457460	**ABP N83 306290**
CH, CH600 Construction	1986-03	Main unit radiator mount, serpentine coil	210RD54M	**ABP N83 306910**
CH,CL,CX	2008-12	Main unit radiator mount, serpentine coil	210RD290	**ABP N83 306022**
CS, MS Midliner	1983-01	Main unit with 12V auxillary fan	4379-RD441442	**ABP N83 306225**
DH, DM	1991-93	All series with with factory A/C	210RD412M	**ABP N83 306895**
DM Conventional	1968-80	with Charge Air with Male O-Ring Fittings	4379-RD451461	**ABP N83 306300**
DM Conventional	1980-89	with charge air fittings, serpentine coil	210RD46AM 4379-RD442320	**ABP N83 325142**
DM, DM 600 Construction	1976-05	All series with with factory A/C	210RD410M	**ABP N83 306890**
MH	1972-84	Cab over	210RD46AM-R.H.	**ABP N83 306915**
MR	1994-1998	All with factory A/C	210RD424	**ABP N83 306324**
MR, MR600	1982-05	All series with with factory A/C	210RD413	**ABP N83 306900**
R, U Conventional	1976-89	All series with with factory A/C, grilldenser coil	210RD277P2	**ABP N83 306015**
RD, RD688S	2003	All series with with factory A/C	210RD422	**ABP N83 306323**
RD, RD688S	1995-97	All series with with factory A/C	210RD418	**ABP N83 306905**
RL, RS, RW	1984-95	Condenser coil only for hood mount, grilldenser coil	210RD48	**ABP N83 306000**
RW, RWL, RWS	1990-91	with hood mount grilldenser coil	4379-RD435952	**ABP N83 306165**
Vision	2000-2007	Condenser Coil	210RD517M	**ABP N83 306336**
CONTROL CABLE				
MR (Oscar)	2007-08	2RD570M, M2, M3 Unit, 60" length	RD 5 6410 60	**ABP N83 327888**
EVAPORATOR				
All	1995-02	Sleeper Unit	4379-RD218981	**ABP N83 307565**
CH, CL Conventional	1988-01	Main unit (Red Dot)	4379-RD216550	**ABP N83 307095**
DM, DMM	1987-02	Main unit (with drain pan)	4379-RD214801	**ABP N83 307195**
MC, MR	1986-04	Evaporator Coil	4379-RD213810	**ABP N83 307185**
MS Midliner	1990-99	Evaporator Coil	4379-RD215100	**ABP N83 307230**
WL, WS, Cruiseliner	1975-84	Main unit (Red Dot)	4379-RD211560	**ABP N83 307160**
EXPANSION VALVE				
All	1979-93	Block, #6 #10 #8 #8, with Mounting Holes	4300-57104 4379-RD568680	**ABP N83 308011**
All	1982-93	Main unit with Signet A/C	3230-218023	**ABP N83 308105**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
EXPANSION VALVE				
CH Conventional	1988-00	Block, #6 #10 #8 #10, with Mounting Holes	4379-RD570150	**ABP N83 308071**
CH, Vision, Granite	2003-2013	Block, #6 #12 #8 #10 with Mount Holes	20443850	**ABP N83 308022**
CS, MS Midliner, Magirus 200, Magirus 300, CS200-2	1979-93	Block, #6 #10 #8 #8, with Mounting Holes	4379-RD568680	**ABP N83 308011**
CX	2000-02	Main unit, Hi - capacity (2 ton), (Red Dot)	4379-RD5105460	**ABP N83 308125**
DM	1976-93	Block, #6 #10 #8 #8, with Mounting Holes	7979-404098	**ABP N83 308011**
DM, F C.O.E.	1975-94	Right Angle, O Ring, with Capillary, with Equalizer	7979-404073 4379-RD538241	**ABP N83 308085**
MR (Oscar)	2007-08	Block, #6 #10 #8 #8, with Mounting Holes	RD 5 6868 0	**ABP N83 308011**
FAN				
All		Fan, Defrost, Universal, 12 Volt, 2 Speed	96-14 101RD35-P1 101RD41-P2	**ABP N83 309141**
HEATER CORE				
All	1979-81	Heater Core	4379-RD103330	**ABP N83 315105**
All	1981-83	Heater Core	4379-RD103710	**ABP N83 315140**
All	1987-00	Sleeper Unit (withCTC)	4379-RD105630	**ABP N83 315160**
All	1987-94	Heater Core	4379-RD106650	**ABP N83 315055**
All	1995-02	Heater Core	4379-RD108221	**ABP N83 315955**
DM, DMM	1981-01	Heater Core	4379-RD101471	**ABP N83 315100**
DM, DMM	1988-02	Main unit (without Drainpan)	4379-RD106151	**ABP N83 315220**
Granite	2003-06	Main unit with Red Dot A/C	4379-RD107440	**ABP N83 315230**
MC, MR	1986-02	Main unit with Red Dot A/C	4379-RD105500	**ABP N83 315210**
MR (Oscar)	2007-08	2RD570M3 Unit with heater only, HP heater core	4379-RD105500	**RDH RD1 0552 0**
PRESSURE SWITCH				
All		Switch, Pressure, Low, NO	4379-RD41910	**ABP N83 318014**
All		All with APAds electronic pressure switch	4379-RD5107690	**ABP N83 318818**
All	1980-01	with Red Dot A/C, Trinary Switch with harness	4379-RD5121500	**ABP N83 318131**
All	1980-01	Switch, Pressure, Trinary, NO	4379-RD545830	**ABP N83 318149**
All	1980-01	Switch, Pressure, Trinary, NO	4379-RD545850	**ABP N83 318009**
All	1995-04	ECM, APADS Controller	4379-RD5103520	**ABP N83 318638**
CH	1994-03	Micro Switch	4379-RD584900	**ABP N83 320220**
CH, CHN, CL, CM, CS Conventional	1996-05	Micro Switch	4379-RD568330	**ABP N83 322435**
CH, CHN, CL, CM, CS Conventional	1996-06	with Red Dot A/C, Binary Switch	4379-RD546400	**ABP N83 318089**
CS, MS Midliner, Magirus	1978-94	Switch, Pressure, High, NC	4379-RD558730 7979-404141	**ABP N83 318030**
Granite, Titan	2002-09	Dual Function M10 Port NC	4379-RD589460 1MR3550M	**ABP N83 318209**
R, RL, RS, RW, U, DM	1983-00	with Red Dot A/C, Binary Switch	4379-RD546460	**ABP N83 318079**
R, RL, RS, RW, U, DM	1983-93	with Red Dot A/C, Trinary Switch	4379-RD563950	**ABP N83 318084**
RECEIVER DRIER				
All		#6 male O-Ring, 2 ¾" x 10 ⅝", without trinary switch	4379-RD565672	**ABP N83 319130**
All	1986-97	O-Ring type with female switch port & moisture indicator	221RD333	**ABP N83 319633**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
RECEIVER DRIER				
All	1993-03	O-Ring type with metric ports and moisture indicator	221RD331 334 335	**ABP N83 319505**
CH, CL, CM	1988-98	#6 male O-Ring, 2 ¾" x 10", without binary switch	221RD327P 328P 4379-RD555720	**ABP N83 319004**
CH,CL,CX, Vision, Titan	2006-11	O-Ring Type 3" by 9" with moisture indicator	221RD44M	**ABP N83 319671**
Conventional	1983-94	O-Ring Type with Kysor MiniBrute A/C	7979-402492 7979-402562	**ABP N83 319291**
CS, MS Midliner	1983-94	O-Ring Type with Kysor A/C	7979-402562	**ABP N83 319291**
CS, MS Midliner	1988-91	O-Ring Type with Behr A/C	JA1045	**ABP N83 319291**
CS, MS Midliner	1989-00	O-Ring Type with Red Dot A/C	4379-RD570611	**ABP N83 319211**
CS, MS Midliner	1989-00	O-Ring Type with Red Dot A/C	4379-RD570610	**ABP N83 319271**
CX	2005-07	O-Ring Type withMetric Ports and Moisture Indicator	221RD335	**ABP N83 319505**
CX, CXU, CXN, CTP	2007-13	O-Ring Type 3" by 9" with moisture indicator	82733985	**ABP N83 319671**
DM	1977-93	2 ¾"x9 ⅝", #6MOR in, #6 MOR out, PRV, Side Glass, Top Port with Trinary Switch	4379-RD546321	**ABP N83 319074**
DM	1977-93	O-Ring Type with side port, top glass, moisture indicator	221RD32	**ABP N83 319289**
DM	1994-02	O-Ring Type withStandard Ports and Moisture Indicator	221RD334	**ABP N83 319555**
DM Conventional	1977-93	2 ¾"x9 ⅝", #6MOR in, #6MOR out, PRV, Top Glass, Side Port with Trinary Switch	402529	**ABP N83 319310**
Granite	2006-12	O-Ring Type with Switch Port and HPRV	088214-00 088214-03	**ABP N83 319395**
MH, MH Ultraliner	1983-03	O-Ring type with female switch port & moisture indicator	221RD312 333	**ABP N83 319633**
MS Midliner	1983-02	High capacity O-Ring Type with trinary switch, side port, top glass	4379-RD547271	**ABP N83 319064**
MS Midliner	1985-89	O-Ring Type with Red Dot A/C	4379-RD570611	**ABP N83 319211**
MS Midliner, Magirus	1979-87	2 ¾"x10", #6MOR in, #6 MOR out, PRV, Top Glass, Side Port	402529 4379-RD535930	**ABP N83 319514**
R, RB, RD, RL, RS, RW	1977-81	with Econodine Engine	402529	**ABP N83 319000**
R, RL, RS, RW, U Conventional	1976-93	#6 male O-Ring, 2 ¾" x 10", binary switch	JA1120	**ABP N83 319200**
WL, WS, WM, Cruiseliner C.O.E.	1979-87	O-Ring Type withSide Mount L.P. Switch	210RD39303	**ABP N83 319000**
RELAY				
All	1983-00	Relay, Blower, Twin Temp, 12V, 10A, Socket Mount, 8 Terminal	4379-RD43700	**ABP N83 320120**
All	1983-97	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	2MR2014 3917-65885-C2	**APB N83 320140**
CS, CS Midliner	1983-97	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	7979-221568 7979-221655	**APB N83 320140**
CS, CS Midliner	1986-98	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	2MR1702	**APB N83 320140**
CS, MS Midliner	1983-97	Relay, 12V, 20A/30A, Tab Mount, 5 Terminals	2MR2014	**ABP N83 320140**
CS, MS Midliner, Magirus	1983-97	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	2MR2014	**APB N83 320140**
RESISTOR				
All	1980-97	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	7979-220990	**ABP N83 321310**
CS, CS Midliner	1985-00	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	4379-RD536470	**ABP N83 321060**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
RESISTOR				
MH Ultraliner	1981-95	Behr A/C units with 3 terminal, 4 speed resistor	3230-220276	**ABP N83 321200**
SWITCH				
All		Switch, Air Pressure, NC	4379-RD544750	**ABP N83 322395**
All		Valve, Solenoid, 12V, #6 MOR	207583 LA1225	**ABP N83 308069**
All		Valve, Solenoid, 12V, #6 MOR	4379-RD41880	**ABP N83 308069**
All	1973-86	Switch, Toggle, DPDT, ON-ON-ON, 4 Terminal	221030 4379-RD500710	**ABP N83 322340**
All	1977-86	A/C units with rocker blower fan switch, 5 terminal	220891 BA1260 4379-RD41512	**ABP N83 322325**
All	1979-04	Switch, Toggle, DPDT, ON-OFF-ON, 6 Terminal	7979-221189	**ABP N83 322055**
All	1980-05	Thermistor, CTC, 12V, Blower Speed Control	4379-RD647970	**ABP N83 322925**
All	1980-05	Thermistor, CTC, 24V, Blower Speed Control	4379-RD647971	**ABP N83 322926**
All	1985-93	Switch, Lever, DP4POS, OFF-ON-ON-ON, 10 Terminal	4379-RD553021	**ABP N83 322060**
C.O.E., Conventional		Switch, Air, Push Button, Chrome	4379-RD538274	**ABP N83 322165**
C.O.E., Conventional		Solenoid, 12V, Fan Clutch Air Control	4379-RD500600	**ABP N83 322390**
CH	1988-00	Fan Switch - Lever	4379-RD546941	**ABP N83 322005**
CH	1988-00	Fan Switch - Rotary	4379-RD587710	**ABP N83 322425**
CH	1993-04	Switch, Micro, 3 Terminal, with Arm	4379-RD54379 4379-RD5105900	**ABP N83 322435**
CH, CX, Vision	2000-2008	Switch, Rotary	4379-RD5105870	**ABP N83 322800**
CS	1978-94	Switch, Lever, 5 Terminal	4379-RD546941	**ABP N83 322005**
CS	1978-94	Kysor A/C units, rotary blower fan switch with resistor, 3 speed, DP3T	BA1145 2175002 2199002 220268	**ABP N83 323148**
CS	1986-94	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	4379-RD536460	**ABP N83 322190**
CS Midliner, Magirus	1979-93	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	3230-221-519 7979-220635 1MR2355	**ABP N83 322190**
CS, MS Midliner, Magirus	1979-93	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	7979-220268	**ABP N83 322190**
CS, MS Midliner, Magirus	1979-93	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	RD536460	**ABP N83 322190**
CS, MS Midliner, Magirus	1979-93	with Kysor A/C,Blower Switch (12 Volt Resistor Type)	4379-RD551940	**ABP N83 323148**
F C.O.E.	1975-81	Fan Switch (Bunk)	4379-RD537480	**ABP N83 322345**
F C.O.E.	1975-81	Switch, Toggle, DPDT, ON-OFF-ON, 6 Terminal	4379-RD41232	**ABP N83 322055**
F C.O.E.	1975-81	Switch, Thermal Safety, Heat Sensing, External	404008	**ABP N83 322270**
F C.O.E.	1975-81	Switch, Toggle, DPDT, ON-OFF-ON, 6 Terminal	4379-RD4123-2	**ABP N83 322055**
MH Ultraliner	1982-85	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	4379-RD53646-0	**ABP N83 322190**
MS Midliner, Magirus	1979-04	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	7979-220635	**ABP N83 322150**
MS Midliner, Magirus	1979-93	Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	3230-221-519 1MR2355	**ABP N83 322190**
MS Midliner, Magirus	1979-93	with Kysor A/C,Blower Switch (12 volt resistor type)	7979-220300 4379-RD551940	**ABP N83 323148**
THERMOSTAT				
CH Conventional	1988-89	Fixed, 24" Probe	4379-RD5453124	**ABP N83 323010**
CS Midliner	1979-87	Adjustable, 48" Capillary	4379-RD412548	**ABP N83 323108**
CS, CS Midliner	1989-01	Fixed, 24" Probe	4379-RD442724	**ABP N83 323040**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
MACK				
THERMOSTAT				
CX	1999-09	Fixed, 24" Probe	7787-650163 4379-RD442724	**ABP N83 323040**
DM, DMM	1976-89	All models with Kysor Mini Brute A/C and factory air with rotary switch	7979-404075 4379-RD549090	**ABP N83 323088**
F C.O.E.	1975-81	Adjustable, 36" Probe	7979-404028	**ABP N83 323118**
MC	1985-00	Fixed, 24" Probe	RD 5 4531 24	**ABP N83 323010**
MH, MH Ultraliner	1982-87	Cable controlled thermostat, 43" capillary tube	3230-22533 4379-RD549170	**ABP N83 323024**
MH, MH Ultraliner	1982-88	Variable, Cable Controlled, 30" Capillary	4379-RD42260	**ABP N83 323014**
MS Midliner	1987-04	Fixed, 24" Probe	A22-23640-000	**ABP N83 323010**
WL, WS, Cruiseliner	1975-80	Adjustable, 36" Probe	2790-HV27072	**ABP N83 323118**
WATER VALVE				
All		Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	2790-HV22563	**ABP N83 324050**
All		Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	2790-HV30644	**ABP N83 324215**
All		Cable Operated, Red Dot (⅝" to ⅝"), pull to open	4379-RD553001 30RS326	**ABP N83 324070**
All		Air Operated (Red Dot), ⅝" to ⅝" hose	4379-RD588041	**ABP N83 324420**
All	1983-00	Air Controlled, ⅝" Hose, Offset	29RD29301	**ABP N83 324015**
MH Ultraliner	1986-93	Air Controlled, ⅝" Hose, 90°	4379-RD588040	**ABP N83 324400**
MR (Oscar)	2007-08	2RD570M, M2, M3 Unit	4379-RD552150	**ABP N83 324120**
R, DM	1980-96	Air Operated (Red Dot), ⅝" to ⅝" hose	29RD29300	**ABP N83 324060**
PETERBILT				
ACCUMULATOR				
325, 330, 335, 340	1999-10	Accumulator	F31-6063 18-04171	**ABP N83 319072**
357, 377, 378, 379, 385 Conv	1994-02	Aluminum, 3 ½"x9 ½", #12 FOR in, #12 FOR out	JC10800 JC1080 18-03837 700001	**ABP N83 319269**
357, 377, 378, 379, 385 Conventional	1994-10	Aluminum, 3 ½"x9 ⅛" Pad Fitting in, Pad Fitting out	FG2618 F31-6063 18-04171	**ABP N83 319072**
ACTUATOR				
All	1995-06	Electric, Rotary, 12V, 104° Travel	MA0200-01S P93CAA0200-01S	**ABP N83 301269**
All	1996-08	Electric, Universal, Rotary, 12⅞4V, 4 pin Deutz Connector, 104° Max Travel	MA14400 650341BSM	**ABP N83 301458**
All	All	Air, Single Action	DA10100 DA1010	**ABP N83 318113**
All	All	Air, Single Action	DA10050 DA1005	**ABP N83 318083**
All	All	Air, Double Acting	DA10350 DA1035	**ABP N83 318123**
All	All	Air, Double Acting	DA10000 DA1000	**ABP N83 318133**
AIR FILTER				
387	2002-09	Filter, Cab Air	GD11800 525507BSM	**ABP N83 328333**
All	1998-2010	Filter, Cab Air	5X010007	**ABP N83 325515**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
AIR FILTER				
Conventional, C.O.E.	2008-12	Filter, Cab Air, Fresh	FR11120 525838BSM	**ABP N83 328335**
BLOWER MOTOR				
320	1997-12	Motor, 12V, 1 Speed, Double 5/16" Shaft, WO/Mounting Studs	HB16100 HB1610 203080	**ABP N83 301072**
320, Dual Steer	1997-02	Motor, 12V, 1 Speed, Double 5/16" Shaft, WO/Mounting Studs	HB10500 HB1050 205780	**ABP N83 301072**
330, 335, 340, 365, 367 Conv	2005-10	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, Flange Mount	HA09830 HA0983 3X010983	**ABP N83 301305**
357, 377, 378, 379, 385 Conv	1994-00	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	HA18250 HA1825 HA03010 HA0301-01S P93CAA301-01S P93CAA0300-01S	**ABP N83 301101**
357, 377, 378, 379, 385 Conventional	1994-00	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	HA03010 HA0301-01S P93CAA0301-01S P93CAA0300-01S HA1825	**ABP N83 301981**
362 C.O.E, 372	1988-04	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	HB10850 HB1085	**ABP N83 301082**
377, 378, 379, 385, 387, 388, 389	1998-10	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, Flange Mount	3X010983 / HA0983	**ABP N83 301305**
379, 387 Conv	1997-01	Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	BSM203133	**ABP N83 301001**
379, 387 Conv	1999-12	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Tabs	HA12600 BSM203139	**ABP N83 301073**
387	2000-10	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Tabs	HB17500 HB1750 203364	**ABP N83 301073**
387	2000-10	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Tabs	203363	**ABP N83 301073**
387,587	2000-12	Motor 12V, single speed, CCW flange mounted tabs	871218BSM 203364BSM 203142BSM	**ABP N83 301028**
C.O.E.	1998-05	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, Flange Mount	5X012163	**ABP N83 301305**
Conventional	1994-02	Motor 12V, single speed, CW or CCW, stud mount 5/16 shaft	2809-540-036 P93CAA0300-01S	**ABP N83 301981**
BLOWER WHEEL				
13-210 Mid Ranger	1986-95	Reversible, Double Entry	HC13500 HC1350 RD5-5656-0 260680	**ABP N83 302032**
13-210 Mid Ranger	1988-95	Reversible, Double Entry	HC1290 260680	**ABP N83 302032**
310, 320	1987-08	Reversible, Double Entry	HC10500 HC1050 589540	**ABP N83 302222**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
BLOWER WHEEL				
310, 320 LCF	1986-03	Reversible, Double Entry	HC10500 HC1050 BSM302042	**ABP N83 302222**
310, 357, 375, 377, 378, 379	1986-97	CCW, Single Entry	HC12800 HC1280 RD3106-15	**ABP N83 302041**
320	1988-03	Reversible, Double Entry	HC13000 HC1300 RD3-2557-2	**ABP N83 302002**
330, 335, 340, 365, 367 Conventional	2005-10	CCW, Single Entry	HC16250 HC1625 HC0400-01S0 HC0400-01S P93CAB0400-01S	**ABP N83 302261**
357, 362, 375, 376, 377, 378, 379	1987-99	CW, Single Entry	HC13250 HC1325 RD5-5601-0	**ABP N83 302061**
387	2000-08	Reversible, Double Entry	HC10050 HC1005 563500	**ABP N83 302222**
CLUTCH ASSEMBLY				
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	KA10550 KA1055 511869 511575	**ABP N83 303261**
All		12V, 2A Groove, 135MM, 1 Wire	KA10250 KA1025 511868 511051	**ABP N83 303452**
All		12V, 2A Groove, 125MM, 1 Wire	KA10250 KA1025 511868 524-19724	**ABP N83 303462**
All		12V, 2A Groove, 132MM, 1 Wire	6514-6210 KA1245 KA1075 6519-6010 6574-6210	**ABP N83 303282**
All		24V, 2A Groove, 132MM, 1 Wire	6519-6210	**ABP N83 303302**
All		12V, PV7 Groove, 119MM, 1 Wire	4645-9931 6512-6210	**ABP N83 303207**
All		12V, 2A Groove, 125MM, 2 Wire	4695-9931 4740-9931	**ABP N83 303402**
All		12V, PV8 Groove, 119MM, 2 Wire	4667-9931	**ABP N83 303387**
All		12V, 2A Groove, 125MM, 1 Wire	6560-6010 9353-6010	**ABP N83 303232**
All		12V, PV6 Groove, 5 ¾", 2 Wire	KA14000 KA1400 024-25244 14432	**ABP N83 303167**
All		12V, PV6 Groove, 5 ¾", 1 Wire	KA14100 KA1410 024-25144 14304	**ABP N83 303287**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
CLUTCH ASSEMBLY				
All		12V, PV6 Groove, 5 ⅞", 2 Wire	KA15350 KA1535 024-25241 14565	**ABP N83 303187**
All		12V, PV8 Groove, 6 ⅛", 2 Wire	KA14050 KA140500 024-25247 14372	**ABP N83 303123T**
All		12V, 2A Groove, 6", 1 Wire	KA10400 KA1040 RD5-4972-0 18-01210 5019390CC 18-02572 024-21590	**ABP N83 303082**
All		12V, 2A Groove, 6", 2 Wire	KA15250 KA1525 024-25238 520556	**ABP N83 303063T**
COMPRESSOR				
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, GQ Head	LF0231 F69-6001-231 4426SAN	**ABP N83 304874Q**
All		QP16HD, 12V, PV8 Groove, 123MM, 2 Wire, H Head	LF0211 F69-6001-211 252-1496 18-04178	**ABP N83 304279Q**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063	**ABP N83 304039**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	LE1135 103-55077 435-55077 488-45077	**ABP N83 304059**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	LE1260 103-55011 435-55011 488-45011	**ABP N83 304025**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	LE1210 435-55065 488-45065	**ABP N83 304015**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	LF1005 488-25011 18-3006 K318-36-03	**ABP N83 304019**
All		QP16HD, 12V, PV8 Groove, 123MM, 2 Wire, H Head	LF0211 F69-6001-211 4705SAN 18-04175	**ABP N83 304279Q**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	4660	**ABP N83 304344**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, KG Head	F69-6002-214 4739SAN 18-04291	**ABP N83 304394**
All		5H14HD, 12V, 2A Groove, 132MM, 1 Wire, FL Head	LE1620 4664	**ABP N83 304102**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, MDA Head	4476	**ABP N83 304063**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
COMPRESSOR				
All		7H15HD, 12V, PV8 Groove,125mm, GSA head, ear mount	F69-6003-112	**ABP N83 304458**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, GQ Head "Heavy Duty Version"	LF0231 F69-6001-231 4696SAN 1CC4696 F69-1000 18-04154	**ABP N83 304661**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, GQ Head	LF0231 F69-6001-231 4696SAN 1CC4696 F69-1000 18-04154	**ABP N83 304661**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	4645SAN LE1150 18-03788 F69-6002-243 4645	**ABP N83 304953**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, KC Head, Direct Mount	LE1085 4667SAN K318-103 F69-6002-114	**ABP N83 304973**
All		5H14HD, 12V, 2A Groove, 132MM, 1 Wire, FL Head	LE1620 4644 18-03787	**ABP N83 304102**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, GQ Head	LF0231 F69-6001-231 4426SAN	**ABP N83 304661**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JDA Head	LE1640 18-04088 4713SAN	**ABP N83 304173**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA Head, Direct Mount	4695SAN F69-1002 F69-6002-133	**ABP N83 304095**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, MDA Head	4734 22-47692-000	**ABP N83 304063**
All		7H15HD, 12V, 2A Groove, 125MM, 2 Wire, JDA Head, Direct Mount	4433SAN 4740SAN 18-04373 F69-6001-233 18-04088 18-04373	**ABP N83 304173**
All		7H15HD, 12V, PV6 Groove, 125MM, 2 Wire, GSA Head, Direct Mount	4039 4424 4731 F69-6003-122 18-05000	**ABP N83 304163**
All		7H15HD, 12V, PV6 Groove, 125MM, 2 Wire, GQ Head, Direct Mount "Heavy Duty"	4040 4425 4792 F69-6002-121 F69-6000	**ABP N83 304481**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
COMPRESSOR				
All		QP7H15S, 12V, PV6 Groove, 125MM, 2 Wire, GQ Head, Direct Mount "Super Duty "	F69-6003-121	**ABP N83 304993Q**
All		7H15HD, 12V, PV6 Groove, 125MM, 2 Wire, GQ Head, Direct Mount "Standard Duty"	F69-6001-121 1027U3	**ABP N83 304894**
All		7H15HD, 12V, PV6 Groove, 125MM, 1 Wire, CBA Head, Direct Mount	4687 22-44462-000	**ABP N83 304053**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA Head, Direct Mount	4626SAN F69-6001-153 4626 4695 LE1140 1CC4696 F69-1000	**ABP N83 304095**
All		7H15HD, 12V, PV8 Groove, 119MM, 2 Wire, GQ Head, Direct Mount "Heavy Duty"	LF0111 F69-6002-111 4432SAN 4759	**ABP N83 304741**
All		QP7H15S, 12V, PV8 Groove, 119MM, 2 Wire, GQ Head, Direct Mount "Super Heavy Duty"	F69-6003-111 4759	**ABP N83 304324Q**
All		QP15, 12V, PV8 Groove, 119MM, 2 Wire, GQ Head, Direct Mount "Standard Duty"	F69-6001-111 4759	**ABP N83 304884Q**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	LC2120 ET210L-25237C	**ABP N83 304141T**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	LC2125 ET210L-25246C	**ABP N83 304201T**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, MDA Head	4672SAN F69-6001-215	**ABP N83 304873**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	LC2000 LC1000 LC1005 LD1000 ER210L-25149	**ABP N83 304171**
All		QP7H15S PV12, 126MM, GQ Head, Direct Mount "Super Duty"	F69-6003-151	**ABP N83 304199Q**
All		QP15 12V, PV6, 126MM, GSA Head, Direct Mount "Standard Duty"	F69-6001-122	**ABP N83 304904Q**
All		QP7H15S 12V, PV6, 126MM, GSA Head, Direct Mount "Super Heavy Duty"	F69-6003-122 4079 4379	**ABP N83 304764Q**
All		QP15, 12V, 2A Groove, 125MM, 2 Wire, GQ Head "Standard Duty Version"	LF0231 F69-6001-231 4696SAN 1CC4696 F69-1000 18-04154	**ABP N83 304661Q**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	LC2100 LD1005 LC1010 LC1130 LC2120 ET210L-25150	**ABP N83 304031**
All	1995-02	Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 1 Wire	LC1140 ET210L-25073C	**ABP N83 304101T**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
CONDENSER				
289, 330, 349, 353,357,359, 375, 376, 377, 378, 379, 387	2004-08	Radiator Mount, with Pad Fittings	F31-6043 1E6043	**ABP N83 306042**
320, 320 LCF	1988-00	Radiator Mount	18-03903 RD4-4931-0	**ABP N83 306400**
330	2003-09	Radiator Mount, with Pad Fittings	18-03722	**ABP N83 306321**
335, 340 Conventional	2006-07	Radiator Mount, with Pad Fittings	F31-6042	**ABP N83 306042**
357, 377, 378, 379, 385 Conv	1987-97	Radiator Mount	18-03543 23-12753 KIT	**ABP N83 306305**
357, 377, 378, 379, 385 Conv	1994-07	Radiator Mount	18-04015 18-03809	**ABP N83 306420**
365, 367, 387, 587	2008-2012	Radiator Mount	N4778001 RO440001	**ABP N83 306380**
377, 378, 379, 385, 386, 387, 388, 389	2001-04	Radiator Mount	F31-6097 3S011268 18-04454	**ABP N83 306041**
377, 378, 379, 385, 386, 387, 388, 389 Conv	1999-04	Radiator Mount	1E4582	**ABP N83 306322**
386	2008-10	Radiator Mount	R0337001	**ABP N83 306332**
EVAPORATOR				
362 C.O.E.	1988-02	Evaporator Coil	NB10050 NB1005	**ABP N83 307045**
FAN				
All	All	Fan, Defrost, Universal, 12 Volt, 2 Speed	HD1130 HG1040 PB2-14 2899-006-026 038 051	**ABP N83 309141**
All	All	Fan, Defrost, Universal, 24 Volt, 2 Speed	HD10250 HD1025 2899-006-056	**ABP N83 309013**
HEATER CORE				
320	1988-03	Heater Core	MC11000 MC1100	**ABP N83 315170**
362, 372 C.O.E.	1981-02	Heater Core	MC11000 MC1100	**ABP N83 315245**
ORIFICE TUBE				
357, 377, 378, 379, 385 Conv	1994-09	Orifice Tube- Red	EC10150 EC1015 EC2500-01S P93CAB2500-01S	**ABP N83 308017**
357, 377, 378, 379, 385 Conventional	1998-05	Orifice Tube-Orange	EC10250 EC1025 EC010061 5X010061	**ABP N83 308027**
PRESSURE SWITCH				
330, 335, 340, 349, 352, 353, 357, 359, 362, 365, 367, 372, 372 C.O.E., 375, 376, 377, 378, 379, 385, 386, 387	1993-10	Switch, Pressure, Low, NO	18-03836 P93CAA3606-01	**ABP N83 318160**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
PRESSURE SWITCH				
330, 357, 375, 377, 378, 379, 385 Conv	1994-10	Switch, Pressure, High, NC	18-03835 P93CAA3605-01 650697BSM	**ABP N83 318170**
357, 375, 376, 377, 378, 379 Conventional	1986-00	Switch, Air Pressure, NC	BA12250 BA1225 RD5-4475-0	**ABP N83 322395**
357, 375, 376, 377, 378, 379 Conventional	1986-00	Switch, Air Pressure, NO	BB10100 BB1010 RD5-5538-0	**ABP N83 318013**
357, 375, 377, 378, 379 Conventional	1988-95	Switch, Pressure, High, NO	18-03600 20PS40-11 BOA 80-942-01-695	**ABP N83 318060**
357, 375, 377, 378, 379 Conventional	1988-96	Switch, Pressure, Low, NO	BB10050 BB1005 20PS39-10 18-03285	**ABP N83 318084**
357, 375, 377, 378, 379, 385 Conventional	1994-10	Switch, Pressure, Low, NO	18-04331 18-03834 P93CAA3604-01	**ABP N83 318184**
362, 372, 375, 376, 377, 378, 379	1988-97	Switch, Pressure, Low, NO	BB10000 BB1000 71R6050 2299005 404097	**ABP N83 318014**
All	1977-00	Switch, Pressure, High, NO	BA12500 BA1250 RD5-6394-0 18-03163	**ABP N83 318040**
All	All	Switch, Pressure, Trinary, NO	BC10050 BC1005 RD5-4585-0	**ABP N83 318009**
All	All	Switch, Pressure, Trinary, NO	BC10000 BC1000 BSM865700	**ABP N83 318149**
All	All	Switch, Pressure, Trinary, NC	BA12400 BA1240 RD-5-4625-0	**ABP N83 322200**
All	All	Switch, Pressure, High, NO	18-03601 20PS39-16	**ABP N83 318070**
RECEIVER DRIER				
320	1987-96	Block, #6 #10 #8 #8, with Mounting Holes	EA10650 EA1065 RD5-6868-0	**ABP N83 308011**
320	1997-07	Block, #6 #10 #8 #10, with Mounting Holes	EA10660 EA13150 EA1315 540035	**ABP N83 308071**
325, 330, 335, 340	2010-12	Drier with PAD mount fittings	F37-6002 F37-6013	**ABP N83 319161**
357, 377, 378, 379, 385 Conventional	1994-02	Right Angle, O Ring, with Capillary	BH3804-02S P93CAC3804-02S EA3900-02S P93CAC3900-02S P93CAC3900-01S	**ABP N83 308331**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
RECEIVER DRIER				
362, 372 C.O.E.	1988-04	3"x8 ½", #6 MOR in, #6 MOR out, PRV, Side Glass, Top Port	JA10850 JA1085 088248 18-01800	**ABP N83 319110**
365, 367	2009-11	Drier with PAD mount fittings	F37-6009 F37-6011	**ABP N83 319156**
379	1999-07	Block, #6 #10 #8 #8, Flange Mount, with M10 & M12 Schrader	540057 F90-6001	**ABP N83 308141**
382, 385, 386, 387, 388, 389	2009-11	Drier with PAD mount fittings	F37-6008 F37-6010	**ABP N83 319157**
387	1999-11	Block, #6 #10 #8 #8, Flange Mount	540056	**ABP N83 308151**
387	2000-10	3"x10 $1\frac{1}{16}$", Slimline Manifold Block	JA22250 JA2225 F37-6000	**ABP N83 319575**
387	2007-11	Block, #6 #10 #8 #8, Flange Mount, with M10 & M12 Schrader	549708 540057BSM F90-6001	**ABP N83 308141**
587	2011-12	Expansion Valve sleeper w/ flange type	540056BSM	**ABP N83 308301**
All	1999-05	Sleeper Unit	540044BSM	**ABP N83 308261**
All	2009-11	3"x10 $1\frac{1}{16}$", Slimline Manifold Block	F37-6008 F37-6009	**ABP N83 319157**
All	2009-12	Main Unit M10, M12 ports block type	549708BSM	**ABP N83 308141**
Conventional, C.O.E.	1993-97	3"X8 ¼", #6 MOR in, #6 FOR out, PRV, Top Glass, Moisture ind, ¼" Top Switch Port (2)	JA2145 088301-00 18-03783	**ABP N83 319255**
RELAY				
320	1997-12	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	CB11150 CB1115 CB10050 CB1005 652420	**APB N83 320290**
All	1986-10	Relay, Blower, 24V, 20A/30A, Tab Mount, 5 Terminal	650690	**ABP N83 320280**
All	1986-10	Relay, Blower, 12V, 30A/40A, Socket Mount	650731	**APB N83 320140**
All	1986-10	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	CB11150 CB1115 652420	**APB N83 320140**
RESISTOR				
320	1973-96	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA1005 CA1010	**ABP N83 321310**
320	1987-96	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA1005 650790 CA1000	**ABP N83 321060**
357, 377, 378, 379 Conventional	1988-96	Resistor, Blower, Potentiometer, Sliding Lever	CA10250 CA1025 RD6-4661-1	**ABP N83 321090**
All	1973-96	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA1005 220990	**ABP N83 321060**
All	1987-00	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA10000 CA1000 RD5-3647-0	**ABP N83 321060**
All	1991-96	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA10350 CA1035	**ABP N83 321300**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
RESISTOR				
All	1995-09	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	CA10350 CA1035 650179	**ABP N83 321300**
SWITCH				
330, 335, 340, 349, 352, 353, 357, 359, 362, 365, 367, 372, 372 C.O.E., 375, 376, 377, 378, 379, 385, 386, 387	1993-05	Circuit Breaker, 15A, Push Button Reset	CC10150 CC1015 K1110-0548-15	**ABP N83 320050**
330, 335, 340, 349, 352, 353, 357, 359, 362, 365, 367, 372, 372 C.O.E., 375, 376, 377, 378, 379, 385, 386, 387	1993-05	Circuit Breaker, 20A, Push Button Reset	K1110-0548-20	**ABP N83 320052**
330, 335, 340, 349, 352, 353, 357, 359, 362, 365, 367, 372, 372 C.O.E., 375, 376, 377, 378, 379, 385, 386, 387	1993-05	Circuit Breaker, 30A, Push Button Reset	CC10200 CC1020 K1110-0552-30	**ABP N83 320060**
330, 335, 340, 349, 352, 353, 357, 359, 362, 365, 367, 372, 372 C.O.E., 375, 376, 377, 378, 379, 385, 386, 387	1993-05	Switch, Micro, 2 Terminal, with Arm	BA10800 BA1080 BOA-80-908-00-219	**ABP N83 320220**
All		Switch, Air, Toggle, Push-Lock	BA16300 BA1630 RD5-5721-1	**ABP N83 322095**
All		Switch, Air, Toggle, NPT	BA13550 BA1355 MA1265 RD5-3827-6	**ABP N83 322195**
All		Switch, Air, Toggle, Push Lock	BA14500 BA1450 BA1210 08-02445 RD5-5721-0	**ABP N83 322090**
All	1976-01	Switch, Air, Push Button, Chrome, NPT	BA12350 BA1235 RD5-3827-4	**ABP N83 322165**
All	1976-95	Switch, Micro, 2 Terminal, with Arm	BA10800 BA1080 BA1045 RD5-8490-0 652100	**ABP N83 320220**
All	All	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	BA1020 BA1190 BA1390 BOA-80-926-00-059 101019Q	**ABP N83 322150**
Conventional	1976-01	Valve, Solenoid, 12V, #6 MOR	CD10000 CD1000 RD4188-0	**ABP N83 308069**
Conventional, 377, 378, 379, 385, 387, 388, 389		Fan Override Switch (Orange Body) 2 pin	BSM650469	**ABP N83 322681**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
PETERBILT				
THERMOSTAT				
320	1987-11	Fixed, 24" Probe	BD11050 BD1105 589490 BD10750 BD1075	**ABP N83 323010**
362	1988-04	Fixed, 24" Probe	BD11050 BD1105 RD5-4531-24	**ABP N83 323010**
375, 376, 377, 378, 379	1987-00	Fixed, 24" Probe	BD11050 BD1105 404145	**ABP N83 323010**
387	1999-10	Fixed, 12" Probe	BD13550 BD1355 650163BSM	**ABP N83 323050**
Conventional	1995-99	Fixed, 24" Probe	P93CAA4230-02S	**ABP N83 323010**
Conventional, C.O.E.	1987-00	Fixed, 24" Probe	323010BSM BD11050 BD1105 BD1095 RD5-4531-24 1-4183Q	**ABP N83 323010**
WATER VALVE				
320	1987-96	Cable Controlled, ⅝" Hose, STR-Core, Pull to Close	MA11100 MA1110 867405	**ABP N83 324555**
357, 375, 377, 378, 379 Conventional	1987-00	Cable Controlled, ⅝" Hose, STR-90°, Pull to Close	MA12050 MA1205 RD5-5495-0	**ABP N83 324030**
357, 375, 377, 378, 379 Conventional	1987-00	Air Controlled, ⅝" Hose, Offset	MA10850 MA1085 RD5-5138-0	**ABP N83 324060**
362	All	Cable Controlled, ⅝" Hose, STR-STR, Pull to Close	MA11000 MA1100 RD5-5300-0	**ABP N83 324080**
All	1983-00	Cable Controlled, ⅝" Hose, Offset, Pull to Close	MA10100 MA1010	**ABP N83 324550**
Conventional, C.O.E.	1982-02	Cable Controlled, ⅝" Hose, Offset, Pull to Open	MA11650 MA1165 173096	**ABP N83 324430**
STERLING				
ACCUMULATOR				
A-Line , Acterra	2000-10	Accumulator with 134A charge port and pressure switch port, inlet ⅝" (#10), outlet ¾" (#12)	4C4H19C808-AA	**ABP N83 319309**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	Accumulator with 134A charge port and pressure switch port, inlet ⅝" (#10), outlet ¾" (#12)	F6HZ-19C836A XC4H-19E647AA	**ABP N83 319309**
BLOWER MOTOR				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-00	Flange motor	F1HZ19805	**ABP N83 301215**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-10	A/C and heater flange mounted motor, CW, vented, shaft length 1 ⅝"	F6UZ-19805BA F8HH-19805AA F8HZ-19805AA BA X4CZ-19805BA	**ABP N83 301020**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-10	A/C and heater 7 ⅞" flange motor, CW, vented, shaft length 1 ½"	XC4H-19805-AA	**ABP N83 301135**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
STERLING				
CLUTCH ASSEMBLY				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		Poly 8 groove, 4.7" diameter (119mm), Ford plug	4427-9931 7731-9930	**ABP N83 303157**
COMPRESSOR				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		7H15, WJ head, direct mount, poly 6, 4.9"(125mm) diameter	4423	**ABP N83 304444**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		7H15, WH head, direct mount, poly 8 groove, 4.7"(119mm) diameter	4422	**ABP N83 304434**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		7H15, WJ head, ear mount, 2A groove, 5 ¼" (132mm) diameter	4469 4603 F4HT-19D629-CA	**ABP N83 304474**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-03	7H15, GV head, ear mount, poly 8 groove, 4.7"(119mm) diameter	4482 4885	**ABP N83 304113**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-03	7H15, GV head, ear mount, poly 8 groove, 4.7"(119mm) diameter	4817	**ABP N83 304113**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-04	7H15, WJ head, direct mount, poly 6, 4.9"(125mm) diameter	4810	**ABP N83 304183**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	7H15, WJ head, ear mount, poly 8 groove, 4.7"(119mm) diameter	4305	**ABP N83 304454**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	7H15, WJ head, ear mount, poly 8 groove, 4.7"(119mm) diameter	4427 4718	**ABP N83 304753**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	7H15, WH head, direct mount, 1A groove 6 ½" (169mm) diameter	4470 4602 F4HT-19D629-BA	**ABP N83 304464**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	7H15, WH head, direct mount, poly 8 groove, 4.7"(119mm) diameter	4486 4767 A22-48973-000	**ABP N83 304434**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1997-06	7H15, WH head, direct mount, poly 8 groove, 4.7"(119mm) diameter	4486 4767	**ABP N83 304434**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-02	TCCI, Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	F7HS-19D629AA ET210L-25150 C	**ABP N83 304031**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-05	7H15, WH head, direct mount, poly 8 groove, 4.7"(119mm) diameter	7804 F4HT-19D629-AA	**ABP N83 304773**
CONDENSER				
A-Line , Acterra, L-Line, 5500 - 8500, Silverstar	1995-98	All models withFactory Air, Grilldenser Type 37" x 19" x ¾"	F6HT-19710-BA	**ABP N83 306860**
A-Line , Acterra, L-Line, 5500 - 8500, Silverstar	1998-03	All models withFactory Air, Grilldenser Type 37" x 19" x ¾"	F6HZ-19712A	**ABP N83 306860**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1994-97	All models withFactory Air, Grilldenser Type 27" x 21" x 1"	F4HZ-19712A	**ABP N83 306875**
ORIFICE TUBE				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1994-01	Orifice Tube-Red	E59H-19860AA E69Z-19D990A	**ABP N83 308017**
PRESSURE SWITCH				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		Pressure Cycling Switch, closes 46 psi	E35H-19E561A	**ABP N83 318174**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar		Switch, Pressure, High, NO	18-03601 20PS39-16	**ABP N83 318070**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-00	Accumulator Cycling R-134A Switch, normally opens 46psi	F3AH-19E561AA F3AZ-19E561A	**ABP N83 318214**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-99	Accumulator Cycling Switch, closes 46 psi	E35H-19E561AA	**ABP N83 318174**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
STERLING				
PRESSURE SWITCH				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	2007-2010	High Pressure Switch, M10; 4 Terminal	06-35209-000 BOA91619	**ABP N83 318035**
SWITCH				
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-10	Lever switch, 4 terminal, 4 position	F1HZ-19986A D5AZ-19986A	**ABP N83 322113**
A-Line, Acterra, L-Line, 5500 - 8500, Silverstar	1998-10	Rotary switch, 4 terminal	F4DZ-19986A	**ABP N83 322093**
TRIPAC				
PRESSURE SWITCH				
TRIPAC APU		SWITCH - BINARY PRESSURE (SCHRADER)	417020	
VOLVO/WHITE GMC				
BLOWER MOTOR				
ACL, WC, WCA, WG, WH, WI, WIA, WX, WXLL, WXR	1988-00	Motor, 12V, 1 Speed, Double 5/16" Shaft, WO/ Mounting Studs, with Adapter Harness	3945237	**ABP N83 301362**
All		Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	3918242 2809-541-006	**ABP N83 301411**
All		Motor, Flange Mount, 1 speed, 4 3/4" length, CW, No Wire	3949261	**ABP N83 301025**
All		Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	3949262 60009-5009	**ABP N83 301001**
All		Motor, 12V, 1 Speed, Double 5/16" Shaft, WO/Mounting Studs	3949266	**ABP N83 301072**
All		Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	3949388	**ABP N83 301004**
All		Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	1707646	**ABP N83 301004**
All		Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	60009-5005 2807-517-019	**ABP N83 301761**
All		Kysor A/C, single shaft-non-vented, 1 speed, CW, 4 7/8" length	60009-5014 275130	**ABP N83 301089**
All		Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	892106	**ABP N83 301101**
FE	1988-02	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	275102	**ABP N83 301172**
VN, VHD, VT	1996-06	Main Behr unit motor with blower wheel	BOA-80-414-00-769 3946686	**ABP N83 301274**
VN, VHD, VT	2002-10	Main Unit and sleeper	BOA94350 BOAD8587	**ABP N83 301304**
VN420, 610, 770	1998-02	Sleeper Unit (Behr), plate mount, 7 3/16" diameter	BOA-85-462-51-009 3949886	**ABP N83 301327**
VN420, 610, 770, VNL64T	1996-02	Behr Sleeper Unit, plate mounted, 7" diameter, CW, 1 speed, 4 3/4" length	3949102 BOA-85-440-51-009	**ABP N83 301307**
VN770	1997-03	Sleeper Unit, plate mounted 7" diameter, CCW	3949886	**ABP N83 301891**
WC, WCA, WG, WIA	1988-00	Motor, 12V, 1 Speed, Double 5/16" Shaft, without Mounting Studs	868541	**ABP N83 301322**
WG, WX Dual, WXLL Dual	1988-01	Main unit (Bergstrom), plate mounted 6 3/4" diameter	1092319	**ABP N83 301971**
WG, WXLL	1988-00	Motor, 12V, 1 Speed, Double 5/16" Shaft, with Mounting Studs	V1118390 3945237	**ABP N83 301332**
WG, WXLL	1988-00	Motor, 12V, 1 Speed, Double 5/16" Shaft, WO/ Mounting Studs, with Adapter Harness	BOA-80-415-00-159 279 3919288	**ABP N83 301362**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
BLOWER MOTOR				
WX Dual	1988-01	Main unit, Bosch motor, plate mounted 6 ¾" diameter	203038 60009-5025 V1092319 V1119217	**ABP N83 301971**
BLOWER WHEEL				
ACL	1998-00	Wheel, Blower, Reversible, Double Entry	1118417	**ABP N83 302222**
All		Wheel, Blower, Reversible, Double Entry	260680 BSM602005	**ABP N83 302032**
All		Red Dot A/C with 3 5/16" double entry wheel, 3 ¾" width	3918247	**ABP N83 302012**
All		CCW, Single Entry	60010-5001	**ABP N83 302041**
All		CW, Single Entry	60010-5002 3949274	**ABP N83 302111**
All		CCW, Single Entry	60010-5009 1-1033Q HC1025 HC1340	**ABP N83 302021**
All		Reversible, Double Entry	60010-5014 HC1290	**ABP N83 302032**
VN420, 610	1996-06	Sleeper units, 5 ⅝" single entry wheel, 3 7/16" width, CW	3947421 BSM302011	**ABP N83 302011**
CLUTCH ASSEMBLY				
All		1 groove, 6 ¾" diameter pulley, ½" width, 1 ¾" gaugeline, bullet plug	02701-0496 10582 502731 520533A	**ABP N83 303071**
All		2 groove 6" diameter pulley, ½" width, 1 ⅝" ga, bullet plug	332639	**ABP N83 303252**
All		2 groove 6" diameter pulley, ½" width, 1 ⅝" ga, bullet plug	61103-0019	**ABP N83 303532**
All		2 groove ½" width, 5 ¼" diameter (132mm), metripak plug	4752-9931 4777-9931 85100878	**ABP N83 303492**
All		2 groove ½" width, 5 ¼" diameter (132mm), metripak plug	3918124	**ABP N83 303482**
All		12V, PV8 Groove, 119MM, 2 Wire	3099389 3948140 4606-6871 4705-9930 9931	**ABP N83 303387**
All		12V, 2A Groove, 132MM, 1 Wire	6519-6010	**ABP N83 303282**
All		12V, 2A Groove, 132MM, 1 Wire	6514-6210	**ABP N83 303282**
All		12V, 2A Groove, 125MM, 2 Wire	85105256 4695-9931 4896-9931	**ABP N83 303402**
All		12V, 2A Groove, 125MM, 1 Wire	6511-6110 9353-6010	**ABP N83 303232**
All		12V, 1A Groove-Overhang, 125MM, 1 Wire	511575 511869	**ABP N83 303261**
All		12V, 2A Groove, 6", 1 Wire	1118116 61103-0017 024 21590	**ABP N83 303082**
All		12V, 2A Groove, 7", 1 Wire	31160-7760 332334	**ABP N83 303012**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
COMPRESSOR				
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	ER210L-25149	**ABP N83 304171**
All		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	99242-5	**ABP N83 304171**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	ET210L-25150	**ABP N83 304031**
All		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	99244-5	**ABP N83 304031**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45077	**ABP N83 304059**
All		QP16 2 groove 5"(125mm) ear mount, will fit Sanden 4717 applications	8082270 4717	**ABP N83 304639Q**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA head, Direct Mount	8022507 4626	**ABP N83 304095**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD head	8164872 4627	**ABP N83 304125**
All		7H15, KC head, ear mount, poly 8 groove, 5 ⅛" (130 mm) diameter	8142556 4659	**ABP N83 304273**
All		7H15, KC head, ear mount, poly 8 groove, 5 ⅛" (130 mm) diameter	8142556	**ABP N83 304273**
All		7H15, JD head, ear mount, 2 groove , 5 ¼" diameter (132mm)	8080060 4694	**ABP N83 304193**
All		7H15, JD head, direct mount, 2A groove , 5 ¼" diameter (132mm)	8080059 85104467 4699	**ABP N83 304524**
All		7H15, JD head, direct mount, 2A groove , 5 ¼" diameter (132mm)	8080059 4699	**ABP N83 304524**
All		7H15, KC head, ear mount, poly 8 groove, 5 ⅛" (130 mm) diameter	8080058 8142556 8177089	**ABP N83 304664**
All		7H15, JD head, ear mount, poly 8 groove, 4.7" (119 mm) diameter	8142556 4711 8103	**ABP N83 304432**
All		7H15, WV head, direct mount, 2A groove , 5 ¼" diameter (132mm)	8082269 4715	**ABP N83 304213**
All		7H15, WV head, ear mount, poly 8 groove, 5 ⅛" (130 mm) diameter	8082268 4716	**ABP N83 304534**
All		7H15, WV head, ear mount, 2A groove , 5 ¼" diameter (132mm)	8082270 4717	**ABP N83 304574**
All		7H15, WV head, direct mount, poly 8 groove, 5 ⅛" (130 mm) diameter	20388777 4733	**ABP N83 304634**
All		7H15, WV head, direct mount, poly 6 groove , 4.9" diameter (125 mm)	8088112 20501069	**ABP N83 304624**
All		7H15, WV head, ear mount, 2A groove , 5 ¼" diameter (132mm)	20370289 20501067 4777 4893	**ABP N83 304574**
All		7H15, WV head, ear mount, 2A groove , 5 ¼" diameter (132mm)	85104592	**ABP N83 304574**
All		7H15, WV head, direct mount, 2A groove , 5 ¼" diameter (132mm)	20370290 4778	**ABP N83 304213**
All		(125mm) Ear Mount JDA head, 2A groove clutch	20370291 4779	**ABP N83 304584**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
CONDENSER				
All		7H15, JD head, direct mount, 2A groove , 5 ¼" diameter (132mm)	20370292 4780	**ABP N83 304095**
All		7H15, KC head, ear mount, poly 8 groove, 4.9" (125mm) diameter	20370293 4781	**ABP N83 304273**
All		7H15, KC head, direct mount, poly 8 groove, 5 ⅛" (130 mm) diameter	20395054 4823	**ABP N83 304253**
All		7H15, WV head, direct mount, 2A groove , 5 ¼" diameter (132mm)	85104593 4890	**ABP N83 304213**
All		7H15, WV head, direct mount, poly 8 groove, 5 ⅛" (130 mm) diameter	20501067 4892	**ABP N83 304634**
All		7H15, JD head, direct mount, 2A groove , 5 ¼" diameter (132mm)	8080059 85104467 4894	**ABP N83 304654**
All		7H15, KC head, ear mount, poly 8 groove, 5 ⅛" (130 mm) diameter	85104531 4895	**ABP N83 304664**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063	**ABP N83 304039**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45011	**ABP N83 304025**
All		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	488-45065	**ABP N83 304015**
All		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, F Head, R-12	488-25063	**ABP N83 304029**
All		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25011	**ABP N83 304019**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JDA head	8177090 4647	**ABP N83 304853Q**
All		7H15, JD head , ear mount , 2A groove, 4.9" (125mm) diameter	85104468 4896	**ABP N83 304674**
All		7H15, C head, ear mount, variable groove 6 ¼" diameter (158mm)	V1110148	**ABP N83 304983**
All		7H15SHD, WV head direct mount, poly 6, (125mm) diameter		**ABP N83 304446**
All		7H15SHD, WV head direct mount, poly 8, (128mm) diameter	20370290	**ABP N83 304445**
All		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA head	8177089 4660	**ABP N83 304344**
All		5H14HD, 12V, 2A Groove, 132MM, 1 Wire, FL head	8080060 4510	**ABP N83 304102**
All		5H14HD, 12V, 2A Groove, 132MM, 1 Wire, FL head	8177090 6664	**ABP N83 304102**
All		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD head	20370291 8164872	**ABP N83 304125**
All		7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA head, Direct Mount	8022507 8177091	**ABP N83 304095**
CONDENSER				
All		Radiator Mount	RD-4-3724-0	**ABP N83 306270**
VN	1996-03	Radiator Mount, Tube-Fin Type overall 32 ½", fin width 30 ¾" x 16 ⅜"	20461065 21095290 3092918 8084347 8084348	**ABP N83 306022**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
EVAPORATOR				
WX, WXLL Dual	1994-00	Evaporator Coil	60004-3201 NA1310 NB1100	**ABP N83 307185**
EXPANSION VALVE				
ACL	1988-00	Block, #6 #10 #8 #8, with Mounting Holes	3916657	**ABP N83 308011**
All		Main unit with internal equalizer, 1 ½ Ton, male O-Ring	A22-14420-1	**ABP N83 308115**
All		Right Angle, O Ring, with Capillary, with Equalizer	60012-5002	**ABP N83 308085**
VHD	2000-02	Block, #6 #10 #8 #10, with Mounting Holes	3916182 3949881 BOA-80-321-00-249	**ABP N83 308071**
VN420, 610, 770	1996-01	Block, #6 #10 #8 #8, Flange Mount	3946673 BOA-80-321-00-209	**ABP N83 308151**
VN420, 610, 770	1996-02	Main Unit	3946673 BOA-80-321-00-209	**ABP N83 308301**
WCA, WH, WG, WIA, WX	1988-01	Block, #6 #10 #8 #8, with Mounting Holes	BSM308011 3916657 540031 040138-123 EA1065	**ABP N83 308011**
FAN				
All		Bergstrom, Kysor and Red Dot A/C, 10″ diameter, 23° pitch	60501-5002	**ABP N83 309121**
All		Fan, Defrost, Universal, 12 Volt, 2 Speed	4060009-000 8911949 2899-006-026 038 051	**ABP N83 309141**
FILTER				
VN, Conventional, C.O.E.	2003-13	Pleated air filter, 12 ½″ wide x 9 ¼″ high x 1 ⅛″ thick	20435801	**ABP N83 328217**
PRESSURE SWITCH				
All		Switch, Pressure, Trinary, NC	RD-5-4625-0 BA1240	**ABP N83 322200**
All		Switch, Pressure, Trinary, NO	RD-5-4583-0P	**ABP N83 318149**
All		Switch, Pressure, Trinary, NC	RD-5-4620-0P	**ABP N83 322175**
All		APADS controller	20579815	**ABP N83 318604**
All		APADS controller	8042108 3939315	**ABP N83 318648**
All		APADS controller	8042133 20357741 20579810 8042157	**ABP N83 318602**
All		APADS controller	8042107 3939313	**ABP N83 318678**
All		APADS controller	8042114 3099497	**ABP N83 318606**
All		APADS controller	8042106 3939314	**ABP N83 318610**
All		Binary ⅜″-24 UNF male with bulkhead seal	RD 5 4646 0	**ABP N83 318079**
All		ECM, APADS Controller	8042105	**ABP N83 318638**
All		APADS controller	8042103	**ABP N83 318608**
All		APAds fan trigger control switch, M10 female fitting	8040242	**ABP N83 318898**
All		Switch, Pressure, APADS, High, NC	8040135	**ABP N83 318718**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
PRESSURE SWITCH				
All		APAds low pressure switch, M10 female fitting	8040189	**ABP N83 318858**
All		APAds low pressure switch, ¼" NPTF fitting	8040223 3948742	**ABP N83 318918**
All		with Red Dot A/C, Trinary Switch with harness	61522-0007	**ABP N83 318131**
All		Switch, Pressure, Trinary, NO	RDH RD5 4585 0 61522-3801	**ABP N83 318009**
Conventional, C.O.E.		Switch, Pressure, Trinary, NC	61522-0006 176225	**ABP N83 322200**
RECEIVER DRIER				
ACL, WG, WX, WXLL, WXR	1999-01	O-Ring Type with moisture indicator	3934718 20407203	**ABP N83 319395**
All		2 ¾"x10", #6MOR in, #6 MOR out, PRV, Top Glass, Side Port	3441124 61510-5006	**ABP N83 319514**
All		2 ¾"x10", #6MOR in, #6MOR out, PRV, Top Glass, Side Port with Low Pressure Switch	61510-0001 7077922 BSM319000	**ABP N83 319014**
All		#6 male O-Ring, 2 ¾" x 10 ⅝", without trinary switch	61510-5005	**ABP N83 319130**
VHD	1998-10	O-Ring Type with 90° inlet and outlet	20447319 8086753	**ABP N83 319395**
VN420, 610, 770	1996-00	O-Ring type with female switch port, moisture indicator and 90° fittings	20407205 088492-01 8078261	**ABP N83 319661**
VN420, 610, 770	1996-00	O-Ring type with female switch port, moisture indicator and straight fittings	20407203	**ABP N83 319633**
VN420, 610, 770	1997-02	O-Ring Type with moisture indicator "Standard Version"	20447319 8086753	**ABP N83 319671**
VN420, 610, 770	1998-13	O-Ring Type with moisture indicator "OEM Version"	8086753 82733985	**ABP N83 319671**
VN420, 610, 770	1998-13	O-Ring Type with 90° inlet and outlet	088485-01 8086753	**ABP N83 319395**
WG, WCA, WIA	1987-03	O-Ring Type with moisture indicator	20407205 3934718 8025531 088491-01 61510-0008	**ABP N83 319395**
WH, WX, WX Dual, WXLL	1998-06	O-Ring Type with Switch Port and HPRV	8025531	**ABP N83 319395**
RELAY				
FE	1974-00	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	176569 651150	**APB N83 320140**
VHD, VN, 420, 610, 770	1996-01	Relay, Blower, 12V, 30A/40A, Socket Mount	BOA 80-945-00-079 3949297	**APB N83 320140**
VN420, 610, 770	1996-01	Relay, Blower, 12V, 30A/40A, Socket Mount	BOA-80-945-00-079	**APB N83 320140**
RESISTOR				
ACL, WCA, WG, WH, WIA, WX, WX Dual, WXLL, WXR	1984-00	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	1115284	**ABP N83 321300**
ACL, WCA, WG, WH, WIA, WX, WX Dual, WXLL, WXR	1988-02	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	3134241	**ABP N83 321300**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
VOLVO/WHITE GMC				
RESISTOR				
ACL, WG, WH, WX, WIA, WCA, WX Dual, WXR, WXLL	1984-00	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	V1115284 V1118410 V212421 V313119 V3134241	**ABP N83 321300**
All		Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	60057-5005	**ABP N83 321310**
All	1987-05	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	V1697520 RD-5-3647-0	**ABP N83 321060**
VHD, VN, 420, 610, 770	1996-06	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	BOA-80-926-00-139 3946681	**ABP N83 321300**
VN420, 610	1995-06	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	650179	**ABP N83 321300**
VN420, 610, 770	1997-04	Resistor, Blower Speed, Bakelite Back, 3 Terminal, 3 Speed	BOA-80-926-00-179 3949112	**ABP N83 321300**
SWITCH				
All	1988-00	Bergstrom A/C units, rocker, 2 terminal, 2 position, SPST	1118424 650088	**ABP N83 322229**
All	1993-00	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	BA1020 BA1190 BOA-80-926-00-059	**ABP N83 322150**
All	All	Toggle switch, SPST, 2 terminal	60015-5015	**ABP N83 322345**
THERMOSTAT				
ACL	1994-02	Fixed 32" capillary tube	3915962 525335 BSM323020	**ABP N83 323020**
All		with Knob Type 72" Cap Tube	30-2750267	**ABP N83 323238**
VHD	2000-02	Fixed18" capillary tube, 28 - 35°F	BOA-80-946-00-129 3093431	**ABP N83 323120**
WCA, WG, WH, WIA, WX	1988-00	Fixed 21" capillary tube, 31 - 40°F	1118408	**ABP N83 323110**
WATER VALVE				
WG, WXLL Dual	1998-02	Cable Operated (Bergstrom), pull to open	BSM324146	**ABP N83 324525**
WH, WX, WXR	1999-00	Cable Operated (Bergstrom), pull to open	1118414	**ABP N83 324525**
WESTERN STAR				
BLOWER MOTOR				
Constellation	1993-02	Sleeper unit, single shaft, CCW, 4 13/32" length	60009-3405	**ABP N83 301331**
Constellation	1996-04	Main cab (Red Dot), single shaft, 1 speed, CW, 4 3/8" length	RD-3-8657-0	**ABP N83 301771**
Constellation	1996-99	Sleeper unit with heater blower motor, 1 speed, CW, 4" length	RD-5-9102-0	**ABP N83 301097**
Constellation 4800, 4900, 5800, 5900	1993-03	Sleeper Unit (Red Dot), motor blower assembly	176132 RD-3-4058-0P RD-5-6315-0	**ABP N83 301279**
Constellation 4800, 4900, 5900, 6900	1985-98	Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs, RFI Shielded	6009-5003	**ABP N83 301121**
Constellation 4800, 4900, 5900, 6900	1996-01	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	RD-5-8663-0	**ABP N83 301001**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		OE style blower motor (only), 3 3/4" length, non-vented	849601 851402 865236 3093404	**ABP N83 301931**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
WESTERN STAR				
BLOWER MOTOR				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	03-7075298	**ABP N83 301191**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1971-84	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	02-7008314 1707686	**ABP N83 301004**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1971-84	Motor, 12V, CCW, 2 Speed, Single 5/16" Shaft, with Mounting Studs	02-7086612 60009-5005	**ABP N83 301131**
Heritage	1985-98	Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	6009-5003 2807-517-019	**ABP N83 301761**
Heritage 3800, 4800, 4900, 5900, 6900	1983-01	Motor, 12V, CCW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	3949263 RD-5-6526-1	**ABP N83 301761**
Heritage 3800, 4800, 4900, 5900, 6900	1985-99	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	60009-5009	**ABP N83 301001**
Heritage 3800, 4800, 4900, 5900, 6900	1988-01	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	3949262 RD-5-6526-0 RD-5-8202-0	**ABP N83 301001**
Heritage 4800, 4900, 5800, 5900, 6900	1984-99	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	RD-5-6526-0 6009-5003	**ABP N83 301001**
Heritage 4800, 4900, 5900, 6900	1995-05	Motor, 12V, CW, 1 Speed, Single 5/16" Shaft, with Mounting Studs	RD-3-8657-0	**ABP N83 301101**
BLOWER WHEEL				
Constellation 3800, 4800, 4900, 5900, 6900	1984-96	CCW, Single Entry	60010-5001 RD-5-8618-0P	**ABP N83 302041**
Constellation 4800, 4900, 5800, 5900	1983-00	Main unit, single entry wheel (plastic), CW, 5 1/4" diame	02-7073625	**ABP N83 302241**
Constellation 4800, 4900, 5800, 5900	1985-98	CW, Single Entry	60010-4401 RD-5-3800-1P	**ABP N83 302111**
Constellation 4800, 4900, 5800, 5900	1995-01	CW, Single Entry	60012-5001 RD-5-5601-0	**ABP N83 302061**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		CCW, Single Entry	RD-5-8618-0P RD-3106-9P	**ABP N83 302041**
Heritage 3800, 4800, 4900, 5900, 6900	1985-98	CW, Single Entry	60010-4401	**ABP N83 302051**
Heritage 3800, 4800, 4900, 5900, 6900	1988-01	CW, Single Entry	3949274 RD-3106-15 RD-5-3800-1	**ABP N83 302111**
CLUTCH ASSEMBLY				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		1 groove, 6 3/4" diameter pulley, 1/2" width, 1 3/4" gaugeline, bullet plug	02-7010496 L50-2731 502731	**ABP N83 303071**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Poly 8 groove, 4.9" 125mm dia groove	6593-6010 6522-6010	**ABP N83 303157**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		12V, 2A Groove, 132MM, 1 Wire	509285 6575-6310	**ABP N83 303282**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		12V, 1A Groove-Overhang, 125MM, 1 Wire	511575 511869	**ABP N83 303261**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
WESTERN STAR				
CLUTCH ASSEMBLY				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		12V, 2A Groove, 125MM, 1 Wire	511051 624-19749	**ABP N83 303462**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		12V, 2A Groove, 6", 2 Wire	024 25238 30932420 520566 522582	**ABP N83 303063T**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		12V, 2A Groove, 7", 1 Wire	02-7074272 332334 MA 7A	**ABP N83 303012**
COMPRESSOR				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	ET210L-25237C	**ABP N83 304141T**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 2 Wire	ET210L-25246C	**ABP N83 304201T**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, 12V, 2A Groove, 6", 1 Wire	ET210L-25073C	**ABP N83 304101T**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		QP15HD, 12V, 1A Groove Overhang, 125MM, 1 Wire, D Head	488-45063	**ABP N83 304039**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45011	**ABP N83 304025**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		QP15HD, 12V, 1 VAR Groove, 159MM, 1 Wire, D Head	488-45065	**ABP N83 304015**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, F Head, R-12	488-25011	**ABP N83 304019**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15HD, 12V, PV8 Groove, 119MM, 1 Wire, JDA Head	4645 4665 61104-3423 85100887	**ABP N83 304953**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15, 12V, PV8 Groove, 119MM, 2 Wire, KC Head, Direct Mount	61104-3430 4667 4897	**ABP N83 304973**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD Head	61104-3411 3916160	**ABP N83 304125**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	ER210L-25149	**ABP N83 304171**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Rotolock, LH Suction, #8 Discharge, #10 Suction, NO CLUTCH	99242-5	**ABP N83 304171**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	ET210L-25150	**ABP N83 304031**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Tube-O, LH Suction, 1"-14 Discharge, 1"-14 Suction, NO CLUTCH	99244-5	**ABP N83 304031**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
WESTERN STAR				
COMPRESSOR				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		QP15HD, 12V, 2A Groove, 135MM, 1 Wire, D Head	488-45077	**ABP N83 304059**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15HD, 12V, 2A Groove, 125MM, 1 Wire, JD Head	4627 8164872	**ABP N83 304125**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15, KCA head, direct mt, poly 8, 4.7" (119mm) diameter	61104-3430 4666 4897	**ABP N83 304263**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		7H15, JD Head, direct mount, 2A groove , 5 ¼" diameter (132mm)	20370292 4780	**ABP N83 304095**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1993-03	7H15HD, 12V, 2A Groove, 132MM, 2 Wire, JDA Head, Direct Mount	61104-3420 20370292 4626	**ABP N83 304095**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	2010-14	Nippondenso 12v, PV8 groove 140mm dia direct mount	10S15C 22-65770-000	**ABP N83 304914**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	2011-14	Nippondenso PV8 159mm dia direct mount	10S15C 22-65771-000	**ABP N83 304915**
CONDENSER				
604	1994-2006	Grilldenser Type overall 39 ⅗", fin width 35 ½" x 22 ⅝"	61203-3409	**WWS RD-4-5273-0**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1986-92	Serpentine Type overall 29 ¾", fin width 27 ⅛" x 15 ¾"	61203-3209	**ABP N83 306240**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1994-04	Condenser Coil	61203-3428	**WWS RD-4-5287-0**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	2008-12	34.5" x 22" x ¾"	22-66839 RDH4 7131 0	**ABP N83 306032**
EVAPORATOR				
Constellation	1993-04	Main unit (Red Dot R-5260), 8" high x 5 ⅝" long x 2 ½" wide	60004-3401	**ABP N83 307560**
Constellation	1993-09	Sleeper unit (Red Dot R-4230), 8 ⅛" x 7 ⅞" x 3 ¹³⁄₃₂"	60004-3402	**ABP N83 307480**
Constellation	2004-08	Main unit (Red Dot R-5275)		**ABP N83 307715**
Heritage 3800, 4800, 4900, 5800, 5900, 6900	1983-08	Evaporator Coil	176167 6004-4403	**ABP N83 307110**
Heritage 3800, 4800, 4900, 5900, 6900	1988-01	Main unit	176169 6004-4401	**ABP N83 307200**
EXPANSION VALVE				
Constellation 3800, 4800, 4900, 5800, 5900, 6900	1988-08	Block, #6 #10 #8 #8, with Mounting Holes	3916657 60012-4401 60012-5001	**ABP N83 308011**
Constellation 4800, 4900, 5800, 5900, 6900	1993-07	Block, #6 #10 #8 #10, with Mounting Holes	RD-5-7015-0	**ABP N83 308071**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Right Angle, Flare, with Capillary, with Equalizer	02-7010501 02-7086617 2684701-C1	**ABP N83 308015**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Right Angle, O Ring, with Capillary, with Equalizer	02-7086505 RD-5-3824-1	**ABP N83 308085**

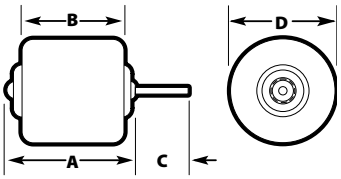
MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
WESTERN STAR				
EXPANSION VALVE				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Main unit, all models with male O-Ring fitting, 12" capillary	A22-14420-1	**ABP N83 308115**
FAN				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Bergstrom, Kysor and Red Dot A/C, 6" diameter, CW	02-7075303	**ABP N83 309101**
FILTER				
4900, Constellation, Heritage	1995-05	Filter, Cab Air	WS101P	**ABP N83 328335**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Framed mesh filter, 11 5/8" wide x 5" high x 7/8" thick	60015-3418 RD-3-8777-0P	**ABP N83 328293**
HEATER CORE				
3800, 4800, 4900, 5800, 5900, 6900	1983-99	Heater Core	60003-4405	**ABP N83 315350**
3800, 4800, 4900, 5800, 5900, 6900	1996-99	Sleeper unit, Red Dot Heater A/C	3949252 60003-4404	**ABP N83 315160**
Constellation	2004-07	Main unit	RD-1-1965-0	**ABP N83 315605**
Constellation 4800, 4900, 5800, 5900	1993-03	Main unit, Red Dot Heater A/C (R-2560)	60004-3403	**ABP N83 315480**
Heritage 3800, 4800, 4900, 5800, 5900, 6900	1988-01	Heater Core	RD-1-0460-1 176280 60003-4405	**ABP N83 315350**
Heritage 4800, 4900, 5800, 5900	1985-03	Sleeper unit, Red Dot Heater A/C (R-2560)	RD-1-0665-0	**ABP N83 315055**
PRESSURE SWITCH				
3800, 4800, 4900, 5900, 6900	1987-09	Switch, Pressure, Trinary, NC	176225 RD-5-4625-0	**ABP N83 322200**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1987-09	Switch, Pressure, Trinary, NO	RD-5-4585-0 02-2750417	**ABP N83 318009**
RECEIVER DRIER				
3800, 4800, 4900, 5900, 6900	1988-93	O-Ring Type with Fuse Plug & Charge Port	176243 61506-3402-000	**ABP N83 319565**
Constellation 4800, 4900, 5800, 5900	1993-06	Main unit, 3" x 10", #6 male O-Ring, moisture indicator	61506-3406-000 088343-000	**ABP N83 319315**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		2 3/4"x9 5/8", #6MOR in, #6MOR out, PRV, Top Glass, Side Port with Trinary Switch	RD-5-4632-0	**ABP N83 319310**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		#6 male O-Ring, 2 3/4" x 10 5/8", without trinary switch	RD-5-6567-2	**ABP N83 319130**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		#6 male O-Ring, 2 3/4" x 10", without binary switch	02-0707988	**ABP N83 319004**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		#6 male O-Ring, 2 3/4" x 10", binary switch	02-7077922	**ABP N83 319200**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		2 3/4"x9 5/8", #6MOR in, #6 MOR out, PRV, Side Glass, Top Port with Trinary Switch	02-7077984	**ABP N83 319074**

MODEL	YEAR	DESCRIPTION	OEM P/N	ALLIANCE P/N
WESTERN STAR				
RECEIVER DRIER				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		2 ¾"x9 ⅝", #6MOR in, #6MOR out, PRV, Top Glass, Side Port with Trinary Switch	04-9041020	**ABP N83 319310**
Heritage 4800, 4900, 5800, 5900, 6900	1983-06	Main unit, 3" x 10", #6 male O-Ring, moisture indicator	RD-5-7517-0 176243 61506-3402	**ABP N83 319047**
RELAY				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1988-95	Relay, Blower, 12V, 20A/30A, Tab Mount, 5 Terminals	0332-204-125 150	**ABP N83 320140**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1988-95	Relay, Blower, 24V, 20A/30A, Tab Mount, 5 Terminal	0332-204-203	**ABP N83 320280**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1996-04	Relay, Blower, 12V, 30A/40A, Socket Mount	BOA-80-945-00-079 VF4-15F11-501	**APB N83 320140**
SWITCH				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Switch, Rotary, 3 Speed, Long Shaft, 5 Terminal	BOA-80-926-00-109	**ABP N83 322190**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1993-00	Switch, Rotary, 3 Speed, Short Shaft, 5 Terminal	BOA-80-926-00-059	**ABP N83 322150**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	All	Rotary switch, 3 speed, DP3T, 4 position, 5 terminal	176573	**ABP N83 323018**
THERMOSTAT				
4800, 4900, 5800, 5900	1985-09	Fixed, 24" Probe	60054-4401-000 3949291	**ABP N83 323010**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1972-78	Adjustable, 36" Probe	A22-15817A-001	**ABP N83 323118**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1983-97	Variable, Cable Controlled, 30" Capillary	02-7010174 RD-4226-0	**ABP N83 323014**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900	1987-96	Adjustable, 36" Probe	RD-4125-36	**ABP N83 323118**
WATER VALVE				
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Cable Controlled, ⅝" Hose, STR-STR, Pull to Open	RD 5 4923 0 677413	**ABP N83 324215**
Constellation, Heritage, 3800, 4800, 4900, 5800, 5900, 6900		Cable Operated, Red Dot (⅝" to ⅝"), pull to open	RDH RD5 5300 1	**ABP N83 324070**

BLOWER MOTORS

1

SPECIFICATIONS



NOTE : 1. Rotation is determined by viewing motor from shaft end.
2. On permanent magnet motors the red or orange lead is positive.
3. Motor type **FW** field wound, **PM** permanent magnet.

Listed in ascending order by **Overall Length (A) x Motor Length (B) x Shaft length (C)**

(A) Overall Length	(B) Motor Length	(C) Shaft Length	Shaft Diameter	(D) Motor Diameter	Speed	Shaft Rotation	Type	Mount	Vent	Alliance P/N
12 VOLT										
3 1/2	2 5/8	1 1/16	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301901**
3 5/8	2 1/2	11/16	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301431**
3 5/8	2 3/4	5/8	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301841** LS use **ABP N83 301083**
3 5/8	2 3/4	11/16	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301083**
3 5/8	2 3/4	13/16	5/16	3	1	CCW	FW	Stud, span 2 5/16	NV	**ABP N83 301171**
3 5/8	2 3/4	1 7/16	5/16	3	1	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301151**
3 5/8	3	1 3/4	5/16	3	1	CCW	—	Stud, span 2 5/16	NV	**ABP N83 301941**
3 3/4	2 7/8	1 1/2	1/4	3	1	CW / CCW	—	Stud, span 2 5/16	NV	**ABP N83 301931**
3 3/4	3 1/4	3/4	5/16	3 1/4	1	CW	PM	Plate (Flange)	V	**ABP N83 301024**
3 7/8	3	1 7/16	5/16	3	1	CCW	FW	Stud, span 2 5/16	NV	**ABP N83 301191**
3 31/32	—	1 3/8	5/16	3	2	CW	PM	Stud, span 2 5/16	V	**ABP N83 301591**
4	3 5/16	1 7/16	5/16	3 1/4	1	CW / CCW	—	Plate (Flange)	V	**ABP N83 301105**
4	3 3/8	1 1/2	5/16	3	1	CW / CCW	—	Stud, span 2 5/16	NV	**ABP N83 301033**
4	3 1/2	1 7/8	5/16	3	1	CW / CCW	—	Stud, span 2 5/16	V	**ABP N83 301921**
4	3 5/8	1 1/2	5/16	3	1	CW	PM	Plate (Flange)	V	**ABP N83 301307**
4	3 5/8	1 1/2	5/16	3	1	CW	PM	Plate (Flange)	V	**ABP N83 301017 / ABP N83 301018 ABP N83 301137 / ABP N83 3013037**
4	3 13/16	1 1/2	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301307 / ABP N83 301317**
4 1/4	3 13/16	1 1/2	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301527**
4 7/32	-	11/32	5/16	3 1/16	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301541**
4 1/4	3 13/32	1 1/2	5/16	3	2	CW	FW	Stud, span 2 5/16	V	**ABP N83 301051**
4 1/4	3 13/32	1 1/2	5/16	3	2	CCW	FW	Stud, span 2 5/16	V	**ABP N83 301131**
4 1/4	3 1/2	1	5/16	3	2	CW	FW	Stud, span 2 5/16	V	**ABP N83 301881**
4 1/4	3 3/4	1 1/2	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301981**
4 1/4	3 3/4	1 5/8	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301911**
4 1/4	3 3/4	1 3/4	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301981**
4 1/4	3 1/4	1 1/2	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301137**
4 1/4	3 13/16	1 1/2	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301308**
4 1/4	3 13/16	1 1/2	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301327 / ABP N83 301527**
4 3/8	4	1 13/16	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301771**
4 3/8	4	1 7/16	5/16	3	1	CW	PM	Strap/Plate	V	**ABP N83 301987**
4 13/32	4	2	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301331**
4 1/2	3 1/2	13/16	5/16	3	1	CW/CCW	PM	Plate (Flange)	V	**ABP N83 301275**
4 1/2	3 1/2	1 1/2	5/16	3 1/4	1	CW	PM	Plate (Flange)	V	**ABP N83 301276**

LS = Limited to stock on hand

SPECIFICATIONS

Listed in ascending order by **Overall Length (A) x Motor Length (B) x Shaft length (C)**

(A) Overall Length	(B) Motor Length	(C) Shaft Length	Shaft Diameter	Motor Diameter	(D) Speed	Shaft Rotation	Type	Mount	Vent	Alliance P/N
12 VOLT										
4 1/2	3 5/8	1	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301271**
4 1/2	—	1	5/16	3	1	CW	PM	Plate (Flange)	V	**ABP N83 301125**
4 1/2	3 5/8	1 1/2	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301411**
4 1/2	3 5/8	1 5/8	5/16	3 1/4	1	CW	—	Plate (Flange)	V	**ABP N83 301135**
4 1/2	4	1 3/4	5/16	3	1	CW	PM	Plate (Flange)	V	**ABP N83 301884**
4 9/16	3 5/8	1 5/16	5/16	3	2	CW	FW	Stud, span 2 5/16 Economy	V	**ABP N83 301877**
4 5/8	—	1 1/2	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301831**
4 5/8	4 1/4	1 3/4	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301101**
4 3/4	3 3/4	1	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301055**
4 3/4	4	1 1/2	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301261**
4 3/4	4	1 5/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	V	**ABP N83 301001**
4 3/4	4	1 7/8	5/16	3	1	CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301121**
4 3/4	4 1/8	1 1/16	5/16	3 1/8	1	CW	PM	Plate (Flange)	V	**ABP N83 301025**
4 3/4	4 1/4	1 5/8	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301885**
4 3/4	4 1/4	7/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301053**
4 3/4	4 1/4	1 5/32	5/16*	3 1/4	3	CCW	FW	Stud, span 2 5/16	V	**ABP N83 301281**
4 3/4	4 3/8	1 1/2	5/16	3	1	CCW		Plate (Flange)	V	**ABP N83 301891**
4 13/16	4	1 5/16	5/16	3	1	CW	PM	Strap/Stud 2 5/16	V	**ABP N83 301043**
4 7/8	4	1 1/16	5/16	3 1/4	1	CW		Plate (Flange)	V	**ABP N83 301155**
4 7/8	4	1 1/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301421**
4 7/8	4	1 1/4	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301089**
4 7/8	4	3 1/8	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301821**
4 7/8	4 1/8	1 1/16	5/16	3 1/4	1	CW		Plate (Flange)	V	**ABP N83 301115**
4 7/8	4 1/8	1 1/16	5/16	3 1/4	1	CW		Plate (Flange)	V	**ABP N83 301165**
4 7/8	4 1/8	1 1/16	5/16	3 1/4	1	CW / CCW		Plate (Flange)	V	**ABP N83 301175**
4 7/8	4 1/8	1 1/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301291**
4 7/8	4 1/8	1 11/16	5/16	3 1/4	1	CW		Plate (Flange)	V	**ABP N83 301145**
4 7/8	4 1/4	1 5/8	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301097**
5	4	3/4	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301561**
5	4	1 1/2	5/16	3	1	CCW	PM	Plate (Flange)	V	**ABP N83 301028**
5	4	1 5/8	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 301761**
5	4 9/32	1 1/4	5/16	3	1	CW		Plate (Flange)	V	**ABP N83 301971**
5 1/8	4 11/16	1 5/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	V	**ABP N83 301073**
										ABP N83 301886
5 1/8	4 3/4	1 5/8	5/16	3	1	CCW	PM	Stud, span 2 5/16	NV	**ABP N83 301401**

Listed in ascending order by **Overall Length (A) x Motor Length (B) x Shaft length (C)**

LS = Limited to stock on hand
* with 3/8" adapter

SPECIFICATIONS

(A) Overall Length	(B) Motor Length	(C) Shaft Length	Shaft Diameter	Motor Diameter	(D) Speed	Shaft Rotation	Type	Mount	Vent	Alliance P/N
24 VOLT										
3 5/8	2 3/4	5/8	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301391** LS
									use	**ABP N83 301030**
3 5/8	2 3/4	11/16	1/4	3	2	CW	FW	Stud, span 2 5/16	NV	**ABP N83 301030**
3 7/8	3	13/16	5/16	3	1	CCW	FW	Stud, span 2 5/16	NV	**ABP N83 301311**
3 7/8	3	1 7/16	5/16	3	1	CCW	FW	Stud, span 2 5/16	NV	**ABP N83 301221**
4 11/64	4	2 1/4	5/16	3	2	CCW	Brushless	Strap/Stud 2 5/16	V	**ABP N83 301034**
4 1/4	3 13/32	1 1/2	5/16	3	2	CW	FW	Stud, span 2 5/16	V	**ABP N83 301211**
4 1/4	3 13/32	1 1/2	5/16	3	2	CCW	FW	Stud, span 2 5/16	V	**ABP N83 301791**
4 5/8	4 3/16	1 1/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	V	**ABP N83 301036**
4 11/16	3 7/8	1 5/8	5/16	3	1	CW	PM	Stud, span 2 5/16	V	**ABP N83 301321**
4 3/4	4	1 5/8	5/16	3	1	CCW	PM	Stud, span 2 5/16	V	**ABP N83 310331**
4 7/8	4	1	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301181**
4 7/8	4	1 1/8	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301351**
4 7/8	4	1 1/4	5/16	3	1	CW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301801**
5	4	1	5/16	3	1	CCW	PM	Stud, span 2 5/16	NV	**ABP N83 301341**
5 5/8	4 11/16	1	5/16	3	1	CCW	PM	Stud, span 2 5/16	NV	**ABP N83 301149**

ABP N83 301001



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductor
Packard #2984528, 2971859

ABP N83 301015



Single Speed – 12 Volt
Rotates Clockwise – Permanent Magnet Motor – Mounting Plate
Dimensions: 3 1/8" Dia., Overall Case Length: 4 3/4", Shaft: 5/16" Dia., 1 1/4" Long
Vented

ABP N83 301017 / ABP N83 301018 ABP N83 301137 / ABP N83 3013037



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions: 4" x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7"
Wheel: 6" diameter, 2 1/2" high
Vented
Connector: Packard terminal block 12065863

ABP N83 301024



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor – Plate Mount
Dimensions: 3 ¾" x 3 ¼" x 3 ¼"
Shaft: 5/16" diameter, Length: 1"
Vented
Connector: Two conductor male blade Packard

ABP N83 301025



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Plate Mounted
Dimensions: 4 ¾" x 4 ⅛" x 3 ⅛"
Shaft: 5/16" diameter, Length: 1 1/16"
Vented — Includes wire assembly
Connector: Male spade
OE# IHC 274243, ZGG1624

ABP N83 301028



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Flange / Plate Mounted
Dimensions: 5" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 ½"
Vented
Connector: Two conductors, female ring terminal, Packard #2984528

ABP N83 301030



Two Speed – 24 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 ¾" x 3"
Shaft: ¼" diameter, Length: 1 11/16"
Non Vented
Connector: Ring Terminal, two conductor with ground

ABP N83 301033



Single Speed – 12 Volt
Rotates Either Direction
Stud Mounted, Span 2 5/16"
Dimensions: 4" x 3 ⅜" x 3"
Shaft: 5/16" diameter, Length: 1 ½"
Non Vented
Connector: Two conductor, bare, 14 gauge

ABP N83 301034



Two Speed – 24 Volt
Rotates Counter Clockwise
Brushless Motor
Stud / Strap Mounted
Dimensions: 4 11/64" x 4" x 3"
Shaft: 5/16" diameter, Shaft Length: 2 ¼"
Vented - RFI
Connector: Three conductor Packard

ABP N83 301036



Single Speed – 24 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap Mounted
Dimensions: 4 5/8" x 4 3/16" x 3"
Shaft: 5/16" diameter, Length: 1 ⅛"
Vented
Connector: Two conductors, combined male/female bullet

ABP N83 301043



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/16" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 5/16"
Vented, Strap diameter *: 6 5/16", 120° angle
Connector: Two female ring terminals

ABP N83 301051



Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 ¼" x 3 13/32" x 3"
Shaft: 5/16" diameter, Length: 1 ½"
Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301053



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4 1/4" x 3"
Shaft: 5/16" diameter, Length: 7/8"
Non Vented
Connector: Two conductor
Packard, spade terminal

ABP N83 301055



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Plate Mounted
Dimensions: 4 3/4" x 3 3/4" x 3"
Shaft: 5/16" diameter, Length: 1"
Vented — Ford OE#F1HZ-19805-A

ABP N83 301073



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Strap/Stud Mounted, Span 2 5/16"
Dimensions: 5 1/8" x 4 11/16" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented, Strap Diameter: 6 3/4"
Connector: Two conductor Packard
#12129939

ABP N83 301083



Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 3/4" x 3"
Shaft: 1/4" diameter, Length: 11/16"
Non Vented
Connector: Ring Terminal, two
conductor with ground

ABP N83 301089



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 1/4"
Non Vented
Connector: Male blade with
Packard #8900420

ABP N83 301097



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 7/8" x 4 1/4" x 3"
Shaft: 5/16" diameter, Length: 15/8"
Vented
Connector: Two conductor
Packard #2984528, 2971859

ABP N83 301101



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 5/8" x 4 1/4" x 3"
Shaft: 5/16" diameter, Length: 1 3/4"
Vented
Connector: Two conductor Packard
1/4" blade terminal #2973781

ABP N83 310104

Single Speed – 12 Volt
Rotates Clockwise
Flange Mount
Dimensions: 6 7/16" x 7 13/64"

ABP N83 301105



Single Speed – 12 Volt
Rotates Either Direction
Plate Mounted
Dimensions: 4" x 3 5/16" x 3 1/4"
Shaft: 5/16" diameter, Length: 1 7/16"
Vented
Conductor:
Two conductor, 373-112-01
module

ABP N83 301115



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions:
4 7/8" x 4 1/8" x 3 1/4"
Shaft: 5/16" diameter,
Shaft Length: 1 1/16"
Vented
Connector: Two conductor module

ABP N83 301121



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 7/8"
Vented - RFI
Connector: Two conductor
Packard #12034343

ABP N83 301125



Single Speed – 12 Volt
Rotates Clockwise – Flange Mounted
Dimensions: 3" Dia., Overall Case Length: 4 1/2", Shaft: 5/16" Dia., 1" Long
Vented

ABP N83 301131



Two Speed – 12 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 13/32" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301135



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions:
4 1/2" x 3 5/8" x 3 1/4"
Shaft: 5/16" diameter,
Shaft Length: 1 5/8"
Vented
Connector: Two conductor module

ABP N83 301136



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions:
4 1/2" x 4" x 3"
Shaft: 5/16" diameter,
Shaft Length: 1 1/16"
Vented
Connector: Two conductor bullets

ABP N83 301137



One Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 4 1/4 x 3 3/4 x 3"
Shaft: 5/16, Length: x 1 1/2
Vented

ABP N83 301145



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions:
4 7/8" x 4 1/8" x 3 1/4"
Shaft: 5/16" diameter,
Shaft Length: 1 11/16"
Vented
Connector: Two conductor module

ABP N83 301149



Single Speed – 24 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 5 5/8" x 4 11/16" x 3"
Shaft: 5/16" diameter, Length: 1"
Non Vented
Connector: 1/4" female ring terminals, Packard #8900420

ABP N83 301151



Single Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 3/4" x 3"
Shaft: 5/16" diameter, Length: 1 7/16"
Non Vented
Connector: One conductor, 14 gauge

ABP N83 301155



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions: 4 7/8" x 4" x 3 1/4"
Shaft: 5/16" diameter, Length: 1 1/16"
Vented
Connector:
Two conductor female bullet

ABP N83 301165



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions: 4 7/8" x 4 1/8" x 3 1/4"
Shaft: 5/16" diameter,
Shaft Length: 1 1/16"
Vented
Connector: Two conductor female bullet

ABP N83 301171



Single Speed – 12 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 3/4" x 3"
Shaft: 5/16" diameter, Length: 13/16"
Non Vented
Connector: One conductor, 14 gauge

ABP N83 301175



Single Speed – 12 Volt
Rotates Either Direction
Plate Mounted
Dimensions:
4 7/8" x 4 1/8" x 3 1/4"
Shaft: 5/16" diameter,
Shaft Length: 1 1/16"
Vented
Connector: Two conductor female bullet

ABP N83 301181



Single Speed – 24 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1"
Non Vented
Connector: Two conductor with ring terminal

ABP N83 301191



Single Speed – 12 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 7/8" x 3" x 3"
Shaft: 5/16" diameter, Length: 1 7/16"
Non Vented
Connector: One conductor, 14 gauge

ABP N83 301211



Two Speed – 24 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 13/32" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301221



Single Speed – 24 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 7/8" x 3" x 3"
Shaft: 5/16" diameter, Length: 1 7/16"
Non Vented
Connector: One conductor, 14 gauge

ABP N83 301261



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 3/4" x 4" x 3"
Shaft: 5/16" diameter, Shaft Length: 1 1/2"
Vented - RFI
Connector: Multiple adapters in kit

ABP N83 301271



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/2" x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1"
Vented
Connector: Two conductors, combined male/female bullet

ABP N83 301275



Black Housing– Single Speed – 12 Volt
Rotates Either Direction
Plate Mounted
Dimensions: 4 1/2" x 3 1/2" x 3"
Shaft: 5/16" diameter, Length: 13/16"
Plate/Flange Diameter: 6 3/4"
Vented
Connector: Metripak

ABP N83 301276



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Plate Mount
Dimensions: 4 1/2" x 3 1/2" x 3 1/4"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented
Connector: Two conductor Packard male blade module
OE# Sterling F1HZ19805-A

ABP N83 301281



Three Speed – 12 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 3/4" x 4 1/4" x 3 1/4"
Shaft: 5/16" (with 3/8" adapter) diameter,
Length: 1 5/32" — Vented
Connector: Three conductor Packard #2971962 with terminal block

ABP N83 301291



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4 1/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/8"
Non Vented
Connector: Two conductor, 14 gauge

ABP N83 301303



Single Speed – 12 Volt
Rotates Clockwise
Flange Mount
Freightliner/Volvo BOA 94350, BOAD 8587BOA80-415-00-879, 3542611C2, D8587

ABP N83 301304



Single Speed – 12 Volt
Rotates Clockwise
Flange Mount
Dimensions: 7.15" diameter
Navistar BOA 80-415-000-879, 3542611C2

ABP N83 301305



Single Speed – 12 Volt
Rotates Clockwise
Flange Mount
Dimensions: 7.15" diameter
Peterbilt with Signet 5X012163

ABP N83 301306



Single Speed – 12 Volt
Rotates Clockwise
Flange Mount
Dimensions: 7" diameter
Freightliner VCC35000003, VCC929709R

ABP N83 301307



Single Speed – 12 Volt
Rotates Clockwise – Plate Mounted
Dimensions: 4" x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7"
Wheel: 6" diameter, 2 1/2" high
Vented
Connector: Two conductor
Packard terminal block 12065863 with 12020120 terminal

ABP N83 301308



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Plate Mount
Dimensions: 4 1/4" x 3 13/16" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7 3/16"
Wheel: 6" diameter, 2 1/2" width
Vented
Connector: Two conductor
Packard terminal block #12064750

ABP N83 301311



Single Speed – 24 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 7/8" x 3" x 3"
Shaft: 5/16" diameter, Length: 13/16"
Non Vented
Connector: One conductor, 14 gauge

ABP N83 301317



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Plate Mount
Dimensions: 4" x 3 13/16" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7 3/16"
Wheel: 6" diameter, 2 1/2" width
Vented

ABP N83 301321



Single Speed – 24 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 11/16" x 3 7/8" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductor
Packard #2984528

ABP N83 301327 LS / ABP N83 301527



Single Speed – 12 Volt
Rotates Counter Clockwise – Permanent Magnet Motor – Motor Assembly Plate Mount
Dimensions: 4 1/4" x 3 13/16" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7 3/16"
Wheel: 6" diameter, 2 1/2" width – Vented
Connector: Two conductor
Packard terminal block #12064750

ABP N83 301331



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 13/32" x 4" x 3"
Shaft: 5/16" diameter, Length: 2"
Vented
Connector: Two conductor, 1/4" blade terminals Packard #2984528

ABP N83 301341



Single Speed – 24 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: x 5" x 4" x 3"
Shaft: 5/16" diameter, Length: 1"
Non Vented, 1" diameter slinger
Connector: Two conductor, 14 gauge

ABP N83 301351



Single Speed – 24 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 11/8"
Non Vented
Connector: Two conductor
Packard 1/4" blade terminal

ABP N83 301401



Single Speed – 12 Volt
Rotates Counter Clockwise –
Permanent Magnet Motor – Strap Mounted
Dimensions: 3" Dia., Overall Case Length: 4 3/4", Less Bearing Cap: 5 1/8", Shaft: 5/16" Dia., 1 5/8" Long
Non-Vented

ABP N83 301411



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/2 x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented - RFI
Connector: Two conductor
Packard #12034343

ABP N83 301421



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 1/8"
Non Vented
Connector: Two conductor
Packard 1/4" blade terminal

ABP N83 301431



Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 1/2" x 3"
Shaft: 1/4" diameter, Length: 11/16"
Non Vented
Connector: Two conductor,
orange-high, red-low

ABP N83 301527



Single Speed – 12 Volt
Rotates Counter Clockwise –
Permanent Magnet Motor – Plate Mount
Dimensions: 4 1/4" x 3 13/16" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7 3/16"
Wheel: 6" diameter, 2 1/2" width –
Vented
Connector: Two conductor
Packard terminal block #12064750

ABP N83 301541



Single Speed – 12 Volt
Rotates Counter Clockwise –
Permanent Magnet Motor – Stud Mounted
Dimensions: 3 1/16" Dia., Overall Case Length: 4 7/32", Shaft: 5/16" Dia., 11/32" Long
Vented

ABP N83 301561



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 5" x 4" x 3"
Shaft: 5/16" diameter, Length: 3/4"
Vented
Connector: Two conductor
Packard #2984528, 29718559

ABP N83 301581



Single Speed – 12 Volt
Rotates Counter Clockwise –
Permanent Magnet Motor – Motor/ Blower/Assembly
Vented

ABP N83 301591



Two Speed – 12 Volt
Rotates Clockwise – Permanent Magnet Motor – Stud Mounted
Dimensions: 3" Dia., Overall Case Length: 3 31/32", Shaft: 5/16" Dia., 1 3/8" Long
Vented

ABP N83 301631



Two Speed – 12 Volt
Rotates Counter Clockwise – Permanent Magnet Motor – Stud Mounted
Dimensions: 3" Dia., Shaft: 1/4" Dia., 1 1/8" Long
Non Vented

ABP N83 301761



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 5" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductor
Packard #2984528, 2971859

ABP N83 301771



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 3/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 13/16"
Vented - RFI

ABP N83 301791



Two Speed – 24 Volt
Rotates Counter Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 13/32" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301801



Single Speed – 24 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 1/4"
Non Vented
Connector: Male blade with
Packard #8900420

ABP N83 301821



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 7/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 3 1/8"
Vented - RFI
Connector: Two conductor
Packard #2984528

ABP N83 301831



Single Speed – 12 Volt
Rotates Counter Clockwise – Permanent Magnet Motor – Strap Mounted
Dimensions: 3" Dia., Overall Case Length: 4 5/8", Shaft: 5/16" Dia., 1 1/2" Long
Vented

ABP N83 301877



Economy Model / Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 9/16" x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1 5/16"
Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301881



Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 1/2" x 3"
Shaft: 5/16" diameter, Length: 1"
Vented
Connector: Three conductor, two-speed, orange-high, red-low

ABP N83 301891



Single Speed – 12 Volt
Rotates Counter Clockwise
Plate Mounted
Dimensions: 4 3/4" x 4 3/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Plate/Flange Diameter: 7"
Vented
Connector:
Two conductor female Metripak

ABP N83 301901



Two Speed – 12 Volt
Rotates Clockwise
Field Wound Motor
Stud Mounted, Span 2 5/16"
Dimensions: 3 1/2" x 2 5/8" x 3"
Shaft: 1/4" diameter, Length: 1 1/16"
Non Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301911



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 3/4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductors, 1/4" male & female spade

ABP N83 301921



Single Speed
12 Volt
Rotates Either Direction
Stud Mounted, Span 2 5/16"
Dimensions: 4" x 3 1/2" x 3"
Shaft: 5/16" diameter, Length: 1 7/8"
Vented
Connector: Two conductor, 14 gauge

ABP N83 301931



Single Speed – 12 Volt
Rotates Either Direction
Stud Mounted, Span 2 5/16"
Dimensions: 3 3/4" x 2 7/8" x 3"
Shaft: 1/4" diameter, Length: 1 1/2"
Non Vented
Connector: Two conductor, 14 gauge

ABP N83 301941



Single Speed – 12 Volt
Rotates Counter Clockwise
Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 3" x 3"
Shaft: 5/16" diameter, Length: 1 3/4"
Non Vented
Connector: Insulated wire, 14 gauge

ABP N83 301971



Single Speed – 12 Volt
Rotates Clockwise
Plate Mounted
Dimensions: 5" x 4 9/32" x 3"
Shaft: 5/16" diameter, Length: 1 1/4"
Plate/Flange Diameter: 6 3/4"
Vented
Connector:
Two conductor spade terminal

ABP N83 301981



Single Speed – 12 Volt
Rotates Either Direction
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 3/4" x 3"
Shaft: 5/16" diameter, Length: 1 3/4"
Vented
Connector: Packard with two 1/4" blade terminals

ABP N83 301987



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Strap Mount, 8" diameter
Dimensions: 4 3/8" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 7/16"
Wheel: 7" diameter, 4" width
Vented
Mack OE#7787-869445

ABP N83 310331



Single Speed – 24 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 3/4" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: 1/4" female ring terminal with Packard #2984528, 2971859

ABP N83 310883



Single Speed – 12 Volt
Rotates Clockwise
Permanent Magnet Motor
Dimensions: 4 1/4" x 4" x 3"
Shaft: 5/16" diameter, Length: 1.1"
Vented
Connector: **Two conductor male blade** Packard

ABP N83 310855



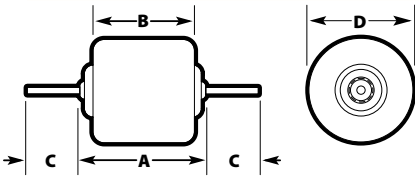
Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Plate Mounted: 6 1/2"
Dimensions: 4 3/4" x 4 1/4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: **Two conductor** Packard

ABP N83 310886



Single Speed – 12 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Motor/Blower Assembly"
Vented

SPECIFICATIONS



NOTE : 1. Rotation is determined by viewing motor from shaft end.
2. On permanent magnet motors the red or orange lead is positive.
3. Motor type **FW** field wound, **PM** permanent magnet.

Listed in ascending order by **Overall Length (A) x Motor Length (B) x Shaft length (C)**

(A) Overall Length	(B) Motor Length	(C) Shaft Length	Shaft Diameter	Motor Diameter	(D) Speed	Shaft Rotation	Type	Mount	Vent	Alliance P/N
12 VOLT										
4	3 3/8	3 1/8	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301172**
4	3 13/32	3	5/16	3	3	CW / CCW	FW	Strap/Stud 2 5/16	V	**ABP N83 301162**
4 13/32	4	2	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301182**
4 3/4	4	2 1/2	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301042**
4 1/2	4	2 5/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301072**
4 3/4	4	3 5/8	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301352**
4 13/16	4	2 1/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301109**
4 13/16	4	3 5/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301192**
4 7/8	4 1/2	2 1/2	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301322**
5 1/8	4 1/2	2 7/16	5/16	3	1	CW / CCW	FW	Stud, span 2 5/16	V	**ABP N83 301362**
5 1/4	4 1/2	2 7/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301312**
5 9/32	—	2 9/32	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301252**
5 5/16	4 1/2	2 7/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301342**
5 11/32	—	2 1/4	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301222**
5 3/8	4 1/2	2 13/16	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301332**
5 3/4	4 3/4	2 5/8	3/8	3	1	CW / CCW	PM	Stud, span 2 5/16	NV	**ABP N83 301052**
24 VOLT										
3 11/16	3 3/8	3 1/4	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301366**
4 13/32	4	2	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301062**
4 13/16	4	2 1/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301139**
4 13/16	4	3 5/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301142**
5 5/16	4 1/2	2 7/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	V	**ABP N83 301368**
5 3/8	4 1/2	2 27/32	5/16	3	1	CW / CCW	PM	Stud, span 2 5/16	V	**ABP N83 301370**
5 3/4	5	3 3/8	5/16	3	1	CW / CCW	PM	Strap/Stud 2 5/16	NV	**ABP N83 301372**

ABP N83 301042



Single Speed – 12 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4" x 3"
Shafts: 5/16" diameter, length: 2 1/2"
Vented
Connector: Two conductor spade terminal

ABP N83 301052



Single Speed – 12 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 3/4" x 4 3/4" x 3"
Shafts: 3/8" diameter, length: 2 5/8"
Non Vented

ABP N83 301062



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/32" x 4" x 3"
Shafts: 5/16" diameter, length: 2"
Non Vented
Connector: Ring terminal with Packard #2984528, 1/4" blade

ABP N83 301072



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4" x 3"
Shafts: 5/16" diameter, length: 2 5/8"
Vented
Connector: 1/4" spade receptacle

ABP N83 301109



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/16" x 4" x 3
Shafts: 5/16" diameter, length: 2 1/8"
Vented
Connector: Two conductor
Packard #8900420,
1/4" blade terminal

ABP N83 301139



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/16" x 4" x 3"
Shafts: 5/16" diameter, length: 2 1/8"
Vented
Connector: Two conductor
Packard #8900420,
1/4" blade terminal

ABP N83 301142



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/16" x 4" x 3"
Shafts: 5/16" diameter, length: 3 5/8"
Vented
Connector: Two conductor
Packard #8900420,
1/4" blade terminal

ABP N83 301162



Three Speed – 12 Volt
Field Wound Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4" x 3 13/32" x 3"
Shafts: 5/16" diameter, length: 3"
Vented
Connector: Four conductor
1/4" female spade

ABP N83 301172



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4" x 3 3/8" x 3 1/8"
Shafts: 5/16" diameter, length: 3 1/4"
Vented
Connector: Two conductor
Packard
terminal block #2971859, 1/4" blade
terminal

ABP N83 301182



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/32" x 4" x 3"
Shafts: 5/16" diameter, length: 2"
Non Vented
Connector: Ring terminal with
Packard #2984528
1/4" blade

ABP N83 301192



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 13/16" x 4" x 3"
Shafts: 5/16" diameter, length: 3 5/8"
Vented
Connector: Two conductor Packard
#8900420, 1/4" blade

ABP N83 301222



Single Speed – 12 Volt
Permanent Magnet – Strap Mount
Dimensions: 3" Dia., Overall Case
Length: 5 11/32", Shaft: 5/16" Dia., 2
1/4" Long
Vented

ABP N83 301252



Single Speed – 12 Volt
Permanent Magnet – Strap Mount
Dimensions: 3" Dia., Overall Case Length: 5 9/32", Shaft: 5/16" Dia., 2 9/32" Long
Vented

ABP N83 301312



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 1/4" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 7/8"
Vented
Connector: Two conductor Packard #2984528
1/4" blade terminal

ABP N83 301322



Single Speed – 12 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 4 7/8" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 1/2"
Vented
Connector: Two conductor spade receptacle

ABP N83 301332



Single Speed – 12 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 3/8" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 13/16"
Vented
Connector: Two conductor 1/4" spade receptacle

ABP N83 301342



Single Speed – 12 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 5/16" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 7/8"
Vented
Connector: Two conductor Packard #2984528, 1/4" blade

ABP N83 301352



Single Speed – 12 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 4 3/4" x 4 " x 3"
Shafts: 5/16" diameter, length: 3 5/8"
Vented - RFI
Connector: Two conductor Packard #8900420,
1/4" blade terminal

ABP N83 301362



Single Speed – 24 Volt
Field Wound Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 1/8" x 4 1/2" x 3"
Shafts: 5/16" diameter,
Shaft length: 2 7/16"
Vented
Includes gasket and wire assembly
Connector: Two conductor integrated spade receptacle

ABP N83 301366



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 3 11/16" x 3 3/8" x 3"
Shafts: 5/16" diameter, length: 3 1/4"
Vented
Connector: Two conductor Packard
terminal block #8900420, 1/4" blade terminal

ABP N83 301368



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 5/16" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 7/8"
Vented
Connector: Two conductor Packard #2984528 1/4" blade terminal

ABP N83 301370



Single Speed – 24 Volt
Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 3/8" x 4 1/2" x 3"
Shafts: 5/16" diameter, length: 2 27/32"
Vented
Connector: Two conductor, ring terminal
with Packard #2984528 1/4" blade

ABP N83 301372



Single Speed – 24 Volt
Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 3/4" x 5" x 3"
Shafts: 5/16" diameter, length: 3 3/8"
Non Vented
Connector: Two conductor
Deutsch #DT04-2P-E005

SPECIFICATIONS

Listed in ascending order by **Overall Length (A)**

(A) Overall Length	(B) Width	(C) Height	Speed	CFM	Red Dot Unit Model	ALLIANCE Part No.	ALLIANCE Resistor Part No.
12 VOLT							
4 ¾	3 ⅛	4 ⅝	3	153	R-290-0	**ABP N83 301267**	ABP N83 321340
6 ½	5 ⅝	5 ½	1	350	R-6830-0, R-9792-0	**ABP N83 301245**	
12 ¼	3 ⅛	4 ½	3	442	R-295-0, R-9750-3, -4, -5, -6	**ABP N83 301282**	ABP N83 321221
12 ¼	3 ⅛	4 ½	1	253	R-6500	**ABP N83 301285**	
13 ¾	5 ⅜	5 ⅛	3	619	R-1620, R-9777-0,-1	**ABP N83 301250**	ABP N83 321220
13 ¾	6 ½	5	3	684	R-1400, R-2550 (late), R-2820	**ABP N83 301537**	ABP N83 321220
13 ¾	5	4 ⅛	3	240	R-9750-0	**ABP N83 301314**	
14 ¾	5	4 11/32	1	360	R-2000-6	**ABP N83 301253**	
18 7/16	3	6 21/32	1	800	R-9715-0, Transair 412025	**ABP N83 301257**	
18 ½	7 ½	6 ½	1	800	R-9475-0	**ABP N83 301258**	
24 VOLT							
4 ¾	3 ⅛	4 ⅝	3	153	R-290-0-24	**ABP N83 301260**	ABP N83 321340
6 ½	5 ⅝	5 ½	1	350	R-6830-0-24 with Metripak plug	**ABP N83 301273**	
6 ½	5 ⅝	5 ½	1	350	R-6830-0-24 with AMP 180 906-0 plug	**ABP N83 301263**	
12 ¼	3 ⅛	4 ½	3	442	R-295-0-24, R-9750-3-24, -4-24, -5-24, -6-24	**ABP N83 301264**	ABP N83 321231
13 ¾	5 ⅜	5 ⅛	3	619	R-1620-0-24, -1-24, R-9777-0-24, -1-24	**ABP N83 301266**	ABP N83 321290
13 ¾	6 ½	5	3	684	R-2825, R-9007	**ABP N83 301567**	ABP N83 321290
13 ¾	5	4 ⅛	3	240	R-9750-0	**ABP N83 301315**	
14 ¾	5	4 11/32	1	360	R-2000-6-24	**ABP N83 301254**	
18 7/16	3	6 21/32	1	800	R-9715-0-24	**ABP N83 301268**	
18 ½	7 ½	6 ½	1	800	R-9475-0-24	**ABP N83 301270**	

BLOWER ASSEMBLIES by OEM Model:

(A) Overall Length	(B) Width	(C) Height	Speed	Volt	Red Dot Unit Model	ALLIANCE Part No.
			1	12	Freightliner, OE# N31-01299-002	**ABP N83 301049**
			1	12	Freightliner, OE# BOA 903 00129	**ABP N83 301117**
10 ⅜	4	2 7/16	1	12	Freightliner, OE# BSM 301329	**ABP N83 301329**
			1	12	Freightliner F/L 89-96	**ABP N83 301237**
			1	12	Volvo– All 89-94, OE# 1091070	**ABP N83 301247**

ABP N83 301049



Single Speed – 12 volt
OE#N31-01299-002

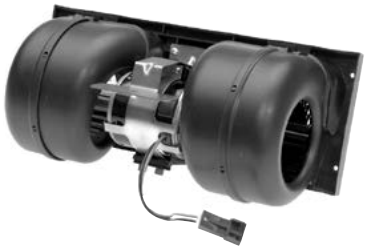
ABP N83 301117



Single Speed – 12 volt
OE#BOA 80 90300129

***** Operating temperature in working conditions must range between -4˚F (-20˚C) and =176˚F (+80˚C)

ABP N83 301237



Single Speed – 12 volt
Use on Freightliner F/L 89-96 models
Connector: Two conductor Packard terminal #12064750

ABP N83 301245



Single Speed – 350 CFM – 12 volt –
6 ½" x 5 ⅝" x 5 ½"
Use on Red Dot Models:
R-6830-0, R-9792-0

ABP N83 301247



Single Speed – 12 volt
Use on Volvo 89-94 models OE# 1091070
Connector: Two conductor Packard terminal #12064750

ABP N83 301250 *



Three Speed – 619 CFM – 12 volt –
13 ¾" x 5 ⅜" x 5 ⅛"
Use with Red Dot Model R-1620, R-9777-0,-1
Replacement Resistor ABP N83 321220

ABP N83 301253



Single Speed – 360 CFM – 12 volt –
14 ¾" x 5" x 4 $^{11}/_{32}$"
Use with Red Dot Model R-2000-6
Connector: Packard 2971859, 02965142

ABP N83 301254



Single Speed – 360 CFM – 24 volt –
14 ¾" x 5" x 4 $^{11}/_{32}$"
Use with Red Dot Model R-2000-6-24
Connector: Packard 2971859, 02965142

ABP N83 301257



Single Speed – 800 CFM – 12 volt
18 $^{7}/_{16}$" x 3" x 6 $^{21}/_{32}$"
Use with Red Dot Model R-9715-0, Transair 412025
Connector: Two conductor Packard terminal #2984528

ABP N83 301258



Single Speed – 800 CFM – 12 volt –
18 ½" x 7 ½" x 6 ½"
Use on Red Dot Models: R-9475-0

***** Operating temperature in working conditions must range between -4˚F (-20˚C) and =176˚F (+80˚C)

ABP N83 301260 *



Three Speed – 153 CFM – 24 volt
4 ¾" x 3 ⅛" x 4 ⅝"
Use with Red Dot Model R-290-0-24
Connector: Three conductor module connector

ABP N83 301263



Single Speed – 350 CFM – 24 volt – 6 ½" x 5 ⅝" x 5 ½"
Use on Red Dot Model: R-6830-0-24P

ABP N83 301264 *



Three Speed – 442 CFM – 24 volt –
12 ¼" x 3 ⅛" x 4 ½"
Use with Red Dot Model R-295-0-24,
R-9750-3-24,-4-24,-5-24,-6-24
Replacement Resistor: ABP N83 321231

ABP N83 301266 *



Three Speed – 619 CFM – 24 volt – 13 ¾" x 5 ⅜" x 5 ⅛"
Use with Red Dot Models R-1620-1-24,
R-1620-0-24, R-9777-0-24 & R-9777-1-24
Replacement Resistor ABP N83 321290

ABP N83 301267 *



Three Speed – 153 CFM – 12 volt
4 ¾" x 3 ⅛" x 4 ⅝"
Use with Red Dot Model R-290-0
Connector: Three conductor module connector

ABP N83 301268



Single Speed – 800 CFM – 24 volt
18 7/16" x 3" x 6 21/32"
Use with Red Dot Model R-9715-0-24
Connector: Two conductor Packard terminal #2984528

ABP N83 301270



Single Speed – 800 CFM – 24 volt –
18 ½" x 7 ½" x 6 ½"
Use on Red Dot Models: R-9475-0-24

ABP N83 301273



Single Speed – 350 CFM – 12 volt –
6 ½" x 5 ⅝" x 5 ½"
Use on Red Dot Models:
R-6830-0-24P Backwall Unit
Connector: Two conductor Metripak

***** Operating temperature in working conditions must range between -4˚F (-20˚C) and =176˚F (+80˚C)

ABP N83 301282 *



Three Speed – 442 CFM – 12 volt –
12 ¼" x 3 ⅛" x 4 ½"
Use with Red Dot Model R-295-0, R-9750-3,-4,-5,-6
Replacement Resistor: ABP N83 321221

ABP N83 301285 *



Single Speed – 253 CFM – 12 volt –
12 ¼" x 3 ⅛" x 4 ½"
Use on Red Dot Models: R-6500

ABP N83 301314



Single Speed – 12 volt
13 ⅞" x 5" with 4 ⅛"
Use on Red Dot Models: R-9755-0

ABP N83 301315



Single Speed – 24 volt
13 ⅞" x 5" with 4 ⅛"
Use on Red Dot Models: R-9755-0

ABP N83 301329



Single Speed – 12 volt
OE#BSM 301329
10 ⅜" x 4" with 2 7⁄16" wide blower wheels

ABP N83 301537 *



Three Speed – 684 CFM – 12 volt –
13 ¾" x 6 ½" x 5"
Use on Red Dot Models: R-1400, R-2550 (late), R-2820
Replacement Resistor ABP N83 321220

ABP N83 301567 *



Three Speed – 684 CFM – 24 volt –
13 ¾" x 6 ½" x 5"
Use on Red Dot Models: R-2825, R-9007
Replacement Resistor ABP N83 321290

ABP N83 301274

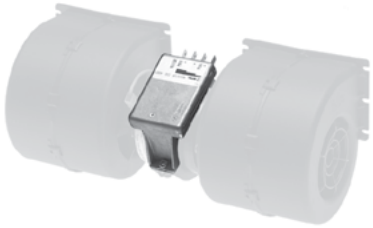


Single Speed – 253 CFM – 12 volt –
12 ¼" x 3 ⅛" x 4 ½"
Use on Volvo 3946686

***** Operating temperature in working conditions must range between -4˚F (-20˚C) and =176˚F (+80˚C)

REPLACEMENT RESISTORS

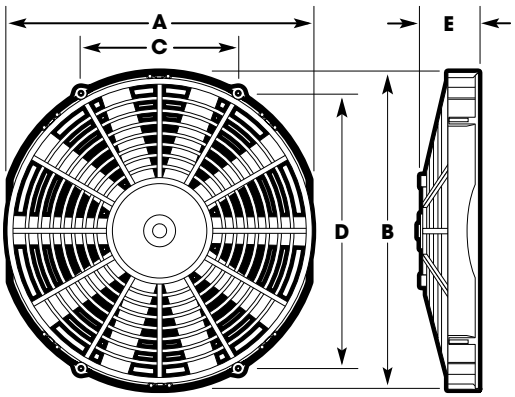
Part No.	Fits	Amps	Terminals Resistance (ohms) 1	2	3
ABP N83 321220	ABP N83 301250, ABP N83 301537	22	.5	.25	0
ABP N83 321221	ABP N83 301282	12	1	.5	0
ABP N83 321231	ABP N83 301264	12	2	1	0
ABP N83 321290	ABP N83 301266, ABP N83 301567	22	1.5	.75	0
ABP N83 321340	ABP N83 301260, ABP N83 301267	22	2	1	0





TERMINALS
4 – (to Motor)
3
2
1

SPECIFICATIONS



NOTE:
A. Overall width of fan assembly
B. Overall height of fan assembly
C. Width of mounting holes.
D. Height of mounting holes
E. Maximum thickness of fan assembly

Listed in ascending order by **Overall Diameter (A)**

(A) Overall Diameter	(B) Overall Height	(C) Mounting Holes Width (upper Left to Right)	(D) Mounting Holes Height (upper to lower)	(E) Thickness	Rotation	Push/Pull	Speed	Voltage	Type	Alliance P/N
12 VOLT										
8	8 ¼	6	6	2 ½	CW	Push	1	12	PM	**ABP N83 301907**
10 ⅝	11 ¼	5 ⅝	9 ¾	2	CW	Pull	1	12	PM	**ABP N83 301006**
11 ½	12 3⁄16	6 ⅛	10 ⅝	2	CW	Pull	1	12	PM	**ABP N83 301187**
12 ⅝	13 ¼	6 ⅝	11 ½	2	CCW	Pull	1	12	PM	**ABP N83 301016**
13	13	9 ⅜	9 ⅜	3 ¾	CCW	Push	1	12	PM	**ABP N83 301277**
13	13	9 ⅜	9 ⅜	3 ¾	CCW	Pull	1	12	PM	**ABP N83 301153**
13	—	—	—	3 ¾	CCW	Push	1	12	PM	**ABP N83 301377**
13	13	—	—	3 ¾	CCW	Pull	1	12	PM	**ABP N83 301972**
15 ¾	16 ¼	8 ⅛	14	2 ½	CW	Pull	1	12	PM	**ABP N83 301957**
24 VOLT										
10 ⅝	11 ¼	5 ⅝	9 ¾	2	CW	Pull	1	24	PM	**ABP N83 301156**
10 ¾	11 ¼	—	—	5	CCW	Pull	1	24	PM	**ABP N83 301967**
11 ½	12 3⁄16	6 ⅛	10 ⅝	2	CW	Pull	1	24	PM	**ABP N83 301158**
11 ½	12 3⁄16	6 ⅛	10 ⅝	2	CW	Pull	1	24	PM	**ABP N83 301160**
11 ⅝	12 ¼	—	—	3	CW	Pull	1	24	PM	**ABP N83 301960**
12 ⅝	13 ¼	6 ⅝	11 ½	2	CCW	Pull	1	24	PM	**ABP N83 301044**
13	13	9 ⅜	9 ⅜	3 ¾	CCW	Push	1	24	PM	**ABP N83 301278**
13	13	9 ⅜	9 ⅜	3 ¾	CCW	Pull	1	24	PM	**ABP N83 301154**
13	13	—	—	3 ¾	CCW	Pull	1	12	PM	**ABP N83 301973**
15 ¾	16 ¼	8 ⅛	14	2 ½	CW	Pull	1	24	PM	**ABP N83 301962**

***** Operating temperature in working conditions must range between -4˚F (-20˚C) and =176˚F (+80˚C)

ABP N83 301006



Single Speed – Puller – 12 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 10 ⅝" diameter x 2" thick, Height: 11 ¼"

ABP N83 301016



Single Speed – Puller – 12 Volt – Rotates Counter Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 12 ⅝" diameter x 2" thick, Height: 13 ¼"

ABP N83 301044



Single Speed – Puller – 24 Volt – Rotates Counter Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 12 ⅝" diameter x 2" thick Height: 13 ¼"

ABP N83 301153



Single Speed – Puller – 12 Volt – Rotates Counter Clockwise
Permanent Magnet Motor Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick Height 13"

ABP N83 301154



Single Speed – Puller – 24 Volt – Rotates Counter Clockwise
Permanent Magnet Motor — Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick Height 13"

ABP N83 301156



Single Speed – Puller – 24 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 10 ⅝" diameter x 2" thick Height: 11 ¼"

ABP N83 301158



Single Speed – Puller – 24 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 11 ½" diameter x 2" thick, Height: 12 3⁄16"

ABP N83 301160



Single Speed – Puller – 24 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 11 ½" diameter x 2" thick Height: 12 3⁄16"

ABP N83 301187



Single Speed – Puller – 12 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 11 ½" diameter x 2" thick , Height: 12 3⁄16"

ABP N83 301277



Single Speed – Pusher – 12 Volt – Rotates Counter Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick , Height 13"

ABP N83 301278



Single Speed – Pusher – 24 Volt – Rotates Counter Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick Height 13"

ABP N83 301377



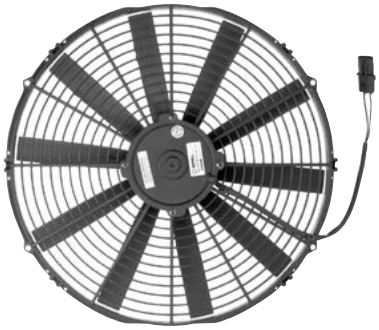
Single Speed – Pusher – 12 Volt – Rotates Counter Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick

ABP N83 301907



Single Speed – Pusher – 12 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 8" diameter x 2 ½" thick , Height: 8 ¼"

ABP N83 301957



Single Speed –Puller – 12 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 15 ¾" diameter x 2 ½" thick, Height: 16 ¼"

ABP N83 301960



Single Speed – Puller – 24 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 11 ⅝" diameter x 3" thick Height 12 ¼"

ABP N83 301962



Single Speed – Puller – 24 Volt – Rotates Clockwise
Permanent Magnet Motor – Mounted with Shroud & Fan
Dimensions: 15 ¾" diameter x 2 ½" thick Height: 16 ¼"

ABP N83 301967



Single Speed – Puller – 24 Volt – Rotates Counter Clockwise
Brushless Motor Mounted with Shroud & Fan
Dimensions: 10 ¾" diameter x 5" thick Height 11 ¼"

ABP N83 301972



Single Speed – Puller – 12 Volt – Rotates Counter Clockwise
Brushless Motor Mounted with Shroud & Fan
Dimensions: 13" diameter x 3 ¾" thick Height 13"

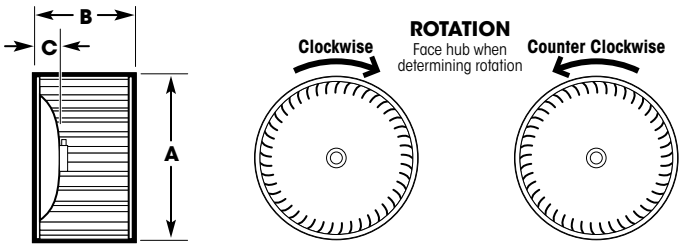
LS = Limited to stock on hand

ABP N83 301967



Single Speed – Puller – 24 Volt – Rotates Counter Clockwise
Brushless Motor Mounted with Shroud & Fan
Dimensions: 13” diameter x 3 ¾” thick Height 13”

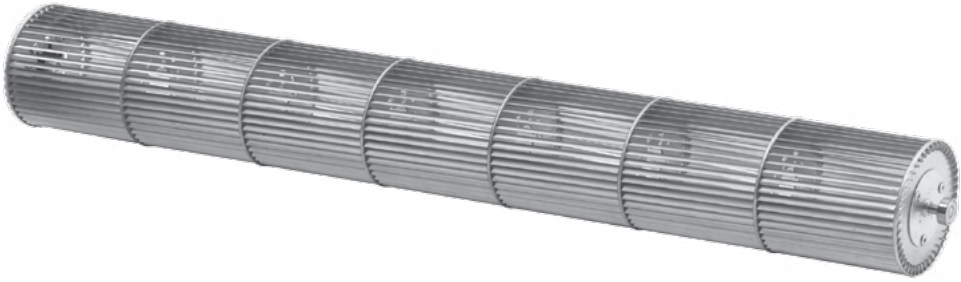
SINGLE ENTRY BLOWER WHEELS



Listed in ascending order by **Wheel Diameter (A)**

[A] Wheel Diameter	[B] Width	[C] Hub Inset	Bore Diameter	Rotation	Material	Alliance P/N
3 13/16	2 ½	Flat	5/16	CCW	Steel	**ABP N83 302003**
3 13/16	2 ½	Flat	5/16	CW	Steel	**ABP N83 302013**
5	3	½	5/16	CW	Plastic	**ABP N83 302006**
5 ¼	2 ½	⅞	5/16	CCW	Steel	**ABP N83 302021**
5 ¼	2 ½	⅞	5/16	CW	Steel	**ABP N83 302241**
5 ¼	3 7/16	Flat	5/16	CW	Steel	**ABP N83 302111**
5 ¼	3 ½	¾	5/16	CW	Steel	**ABP N83 302051**
5 ¼	3 ½	⅞	5/16	CCW	Steel	**ABP N83 302041**
5 ⅝	2 ¾	⅞	5/16	CCW	Plastic	**ABP N83 302291**
5 ¾	3	1 13/16	5/16	CCW	Plastic	**ABP N83 302061**
5 ¾	3 ⅛	Flat	5/16	CW	Steel	**ABP N83 302161**
5 ¾	3 ⅛	⅞	5/16	CW	Steel	**ABP N83 302251**
5 ¾	3 ¼	Flat	5/16	CW	Steel	**ABP N83 302171**
5 ¾	3 ¼	Flat	5/16	CCW	Steel	**ABP N83 302261**
6	3		5/16	CCW	Plastic	**ABP N83 302007**

ABP N83 302008
4 ¼" Diameter – 29" Wide
¾" Bore Diameter
Hub insert flat
Aluminum



ABP N83 302003



3 13/16" Diameter – 2 ½" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel

ABP N83 302006



5" Diameter – 3" Wide
5/16" Bore Diameter
Rotates Clockwise
Plastic – Hub inset: ½"

ABP N83 302007



6" Diameter – 3" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Plastic

SINGLE ENTRY BLOWER WHEELS

ABP N83 302013



3 13/16" Diameter – 2 ½" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: Flat

ABP N83 302021



5 ¼" Diameter – 2 ½" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel – Hub inset: 7/8"

ABP N83 302041



5 ¼" Diameter – 3 ½ " Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel – Hub inset: 7/8"

ABP N83 302051



5 ¼" Diameter – 3 ½" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: ¾"

ABP N83 302061



5 ¾" diameter, 3" width
5/16" bore diameter - Hub inset: 1 13/16"
Rotates Counter Clockwise
Plastic

ABP N83 302111



5 ¼" Diameter – 3 7/16" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: Flat

ABP N83 302161



5 ¾" Diameter – 3 ⅛" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel

ABP N83 302171



5 ¾" Diameter – 3 ¼" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: Flat

ABP N83 302251



5 ¾" Diameter – 3" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Plastic - Hub inset: 7/8"

ABP N83 302261



5 ¾" Diameter – 3 ¼" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel – Hub inset: Flat

ABP N83 302291



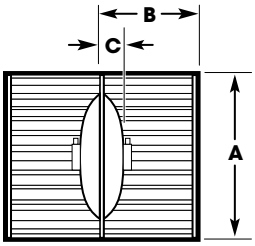
5 5/8" Diameter – 2 ¾" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Plastic - Hub inset: 7/8"

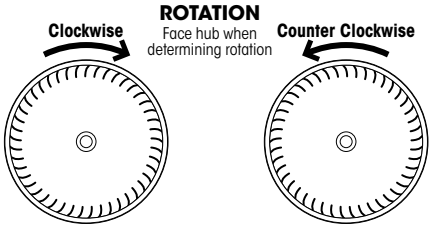
ABP N83 302241



5 ¼" Diameter – 2 ½" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel - Hub inset: 7/8"

DOUBLE ENTRY BLOWER WHEELS





Listed in ascending order by **Wheel Diameter (A)**

[A] Wheel Diameter	[B] Width	[C] Hub Inset	Bore Diameter	Rotation	Material	Alliance P/N
3 3/16	3 13/16	1 1/8	5/16	Dual	Plastic	**ABP N83 302032**
3 5/16	3 3/4	1 13/16	5/16	Dual	Steel	**ABP N83 302202**
3 3/4	3 7/8	1 7/8	5/16	Dual	Steel	**ABP N83 302022**
3 13/16	4 5/32	2	5/16	CW	Steel	**ABP N83 302072**
3 13/16	4 5/32	2	5/16	CCW	Steel	**ABP N83 302062**
4 3/4	3 7/32	1 1/16	5/16	Dual	Plastic	**ABP N83 302222**
5	3 7/8	1 5/8	5/16	CCW	Steel	**ABP N83 302162**
5	3 7/8	2	5/16	CW	Steel	**ABP N83 302152**
5 1/4	3 3/4	1/2	5/16	CCW	Plastic	**ABP N83 302182**
5 1/4	3 3/4	1 7/8	5/16	Dual	Steel	**ABP N83 302002**
5 5/16	3 3/4	1/2	5/16	Dual	Plastic	**ABP N83 302172**

ABP N83 302002



5 ¼" Diameter – 3 ¾" Wide
5/16" Bore Diameter
Steel – Hub inset: 1 7/8"

ABP N83 302022



3 ¾" Diameter – 3 7/8" Wide
5/16" Bore Diameter
Steel – Hub inset: 1 7/8"

ABP N83 302032



3 3/16" Diameter – 3 3/16" Wide
5/16" Bore Diameter
Plastic – Hub inset: 1 1/8"

ABP N83 302062



3 13/16" Diameter – 4 5/32" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel – Hub inset: 2"

ABP N83 302072



3 13/16" Diameter – 4 5/32" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: 2"

ABP N83 302152



5" Diameter – 3 7/8" Wide
5/16" Bore Diameter
Rotates Clockwise
Steel – Hub inset: 2"

DOUBLE ENTRY BLOWER WHEELS

ABP N83 302162



5" Diameter – 3 7/8" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Steel – Hub inset: 1 5/8"

ABP N83 302172



5 5/16" diameter, 3 3/4" width
5/16" bore diameter
Dual Rotation
Plastic – Hub inset: 1/2"

ABP N83 302182



5 1/4" diameter, 3 3/4" width
5/16" bore diameter – Hub inset: 1/2"
Counter Clockwise Rotation
Plastic - Fits brushed blower motor 73R1064

ABP N83 302202



3 5/16" Diameter – 3 3/4" Wide
5/16" Bore Diameter
Steel – Hub inset: 1 13/16"

ABP N83 302222



4 3/4" Diameter – 3 7/32" Wide
5/16" Bore Diameter
Rotates Counter Clockwise
Plastic – Hub inset: 1 1/16"

NOTES

CLUTCHES 3

Did You Know...

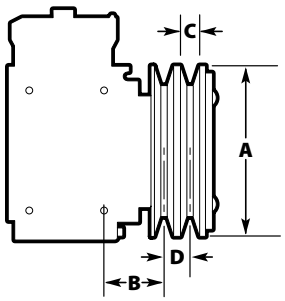
Clutch failures may be due to low voltage that in turn results in slippage and heat build up. A visual inspection of the clutch may reveal signs of this condition.

- Face of Clutch hub appears discolored-white (frosted)
- Black epoxy from coil melted on face of hub and pulley area.
- Clutch bearing seal may also be damaged from heat migration.

Service Tip:

If low voltage is suspected, start truck, turn all accessories on and take voltage reading at the clutch coil power wire to insure system-working voltage is within the manufactures specifications.

SPECIFICATIONS



If part number on clutch being replaced cannot be read, use following procedure to determine required clutch part number.

1. Determine if clutch is double or single groove.
2. Determine if 12 or 24 volt.
3. Measure outside diameter "A" of pulley.
4. Measure width of pulley groove "C".
5. Measure the "B" dimension accurately.

Listed in ascending order by **Pulley Diameter (A)**

(A) Pulley Diameter	Number of Grooves	(C) Groove Width	(B) Gauge Line Distance	Volts	Model/Description	Alliance P/N	*Old* Alliance P/N	Notes
5"	2	½"		12	Single wire/male bullet plug	**ABP N83 303112**		
5 ⅜"	Poly 8	0.14	1 ⅝"	12	Single wire with diode/Female Weatherpak (IHC) plug	**ABP N83 303307**		
5 ¾"	Poly 6	0.14	1 ⅝"	12	Double wire with diode/Metripak plug	**ABP N83 303187**		
5 ¾"	Poly 6, FF*	0.14	2"	12	Double wire with diode/Metripak plug	**ABP N83 303113T**	CFC 024 25244	Cat C10/C12
5 ¾"	Poly 6	0.14		12	Double wire with diode/Metripak plug	**ABP N83 303127T**	CFC 024 25241	
5 ¾"	Poly 6	0.14	2"	12	Single wire with diode/Weatherpak plug	**ABP N83 303287**		
5 ¾"	Poly 6	0.14	2"	12	Single wire with diode/Weatherpak plug	**ABP N83 303097T**	CFC 024 25078	
5 ¾"	Poly 6, FF*	0.14	2"	12	Single wire with diode/Weatherpak plug	**ABP N83 303107T**	CFC 024 25144	Cat C10/C12
5 ⅞"	Poly 6	0.14	2"	12	Double wire with diode/Metripak plug	**ABP N83 303277**		
6"	1	½"	2 ⅝"	12	Single wire with diode/male spade plug	**ABP N83 303201**		
6"	1	½"	2 ¾"	12	Single wire with diode/Weatherpak plug	**ABP N83 303051**		
6"	1	½"	2 ¾"	12	Single wire with diode/Weatherpak plug	**ABP N83 303531T**	CFC 024 21942	
6"	1	½"	2 ¾"	12	Single wire with diode/Female Weatherpak (IHC) plug	**ABP N83 303221**		
6"	2	½"		12	Single wire with diode/Ford OE plug	**ABP N83 303332T**	CFC 024 25109	
6"	2	½"	1 ⅝"	12	Single wire/male bullet plug	**ABP N83 303252**		
6"	2	½"	1 ⅝"	12	Single wire with diode/Weatherpak plug	**ABP N83 303082**		
6"	2	½"	1 ⅝"	12	Double wire/Metripak plug	**ABP N83 303063T**	CFC 024 25238	
6"	2	½"	2 ¼"	12	Single wire/Female Weatherpak (IHC) plug	**ABP N83 303532**		
6"	2	½"	2 ¼"	24	Single wire/male bullet plug	**ABP N83 303042**		
6"	2	½"	2 11⁄16"	12	Single wire/Female Weatherpak (IHC) plug	**ABP N83 303142**		
6 ⅛"	Poly 6	0.14	-	12	Single wire with diode/Female Weatherpak (IHC) plug	**ABP N83 303007**		
6 ⅛"	Poly 8	0.14	1 15⁄16"	12	Double wire with diode/Metripak plug	**ABP N83 303317**		
6 ⅛"	Poly 8	0.14		12	Double wire with diode/Metripak plug	**ABP N83 303123T**	CFC 024-25247	
6 ⅛"	Poly 8	0.14		12	Single wire with diode/Weatherpak plug	**ABP N83 303117T**	CFC 024 25171	
6 ¼"	1	⅝"	2 11⁄16"	12	Single wire/Female Weatherpak (IHC) plug	**ABP N83 303431**		
6 ¼"	1	½"	2 ¼"	12	Single wire/male bullet plug	**ABP N83 303011**		
6 ¾"	1	⅝"	1 ¾"	12	Single wire/male bullet plug	**ABP N83 303071**		
6 ¾"	1	⅝"	2 ⅞"	12	Single wire/male bullet plug	**ABP N83 303002T**		
6 ¾"	2	½"	2 ¼"	12	Single wire/Female Weatherpak (IHC) plug	**ABP N83 303432**		
7"	2	½"	2"	12	Single wire/male bullet plug	**ABP N83 303012**		
7"	2	½"	2"	24	Single wire/male bullet plug	**ABP N83 303342**		

LS = Limited to stock on hand

ABP N83 303007



OE #520226, MA-N03D
Diameter 6 ⅛" – Groove: Poly 6
Width: 0.14" – 12 Volts – B = -
Single wire coil with diode
Female Weatherpak (IHC) plug

ABP N83 303011



OE #L50-2393
Diameter 6 ¾"– Groove: 1
Width: ½" – 12 Volts – B = 2 ¾"
Single wire coil
Male bullet plug

ABP N83 303012



OE #332334, MA-7A
Diameter 7" – Groove: 2
Width: ½" – 12 Volts – B = 2"
Single wire coil
Male bullet plug

ABP N83 303042



OE #501076, MA 6A-2, MA 6A-24V
Diameter 6" – Groove: 2
Width: ½" – 24 Volts – B = 2 ¼"
Single wire coil
Male bullet plug

ABP N83 303051



OE #L50-2409
Diameter 6"– Groove: 1
Width: ½" – 12 Volts – B = 2 ¾"
Single wire coil with diode
Weatherpak plug

ABP N83 303063T



OE #522582, MAE-06A
Diameter 6" – Groove: 2
Width: ½" – 12 Volts – B = 1 ⅝"
Double wire coil with diode
Metripak plug

ABP N83 303071



OE #L50-2731
Diameter 6 ¾"– Groove: 1
Width: ⅝" – 12 Volts – B = 1 ¾"
Single wire coil
Male bullet plug

ABP N83 303082



OE #501939, MAE-6AR
Diameter 6"– Groove: 2
Width: ½" – 12 Volts – B = 1 ⅝"
Single wire coil with diode
Weatherpak plug

ABP N83 303097T



OE #14304, 23100S, CFC 024 25078
Diameter 5 ¾" – Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2"
Single wire coil with diode
Weatherpak plug

ABP N83 303107T



OE #14304, 23100S
Diameter 5 ¾" – Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2"
Single wire coil with diode
Weatherpak plug

ABP N83 303112



Diameter 5" – Groove: 2
Width: ½" – 12 Volts
Single wire coil
Male bullet plug

ABP N83 303113T



Diameter 5 ¾"– Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2"
Double wire coil with diode
Metripak plug

ABP N83 303117T



Diameter 6 ⅛" – Groove: Poly 8
Width: 0.14" – 12 Volts
Single wire coil with diode
Weatherpak plug

ABP N83 303123T



OE #522584, MAE-MG01
Diameter 6 ⅛" – Groove: Poly 8
Width: 0.14" – 12 Volts
Double wire coil with diode
Metripak plug

ABP N83 303127T



OE #024-25244
Diameter 5 ¾"– Groove: Poly 6
Width: 0.14" – 12 Volts
Double wire coil with diode
Metripak plug

ABP N83 303142



OE #N83 303142, MA-N02
Diameter 6" – Groove: 2
Width: ½" – 12 Volts – B = 2 11/16"
Single wire coil
Female Weatherpak (IHC) plug

ABP N83 303187



OE #522583, MAE-MG07
Diameter 5 ⅞"– Groove: Poly 6
Width: 0.14" – 12 Volts – B = 1 ⅝"
Double wire coil with diode,
Metripak plug

ABP N83 303201



OE #503887, MA M11
Diameter 6"– Groove: 1
Width: ½" – 12 Volts – B = 2 ⅝"
Single wire coil with diode
Male spade plug

ABP N83 303221



OE #508888
Diameter 6" – Groove: 1
Width: ½" – 12 Volts – B = 2 ¾"
Single wire coil
Female Weatherpak (IHC) plug

ABP N83 303252



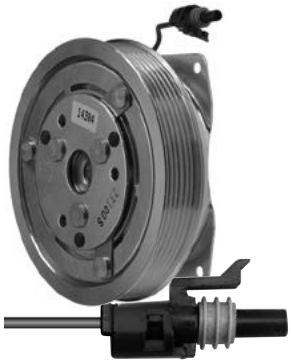
OE #501215, MA 6AX
Diameter 6" – Groove: 2
Width: ½" – 12 Volts – B = 1 ⅝"
Single wire coil
Male bullet

ABP N83 303277



Diameter 5 ¾"– Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2"
Double wire coil with diode
Metripak plug

ABP N83 303287



OE #14304, 23100S
Diameter 5 ¾" – Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2"
Single wire coil with diode
Weatherpak plug

ABP N83 303307



OE #515376, MA-N05
Diameter 5 ⅜"– Groove: Poly 8
Width: 0.14" – 12 Volts – B = 1 ⅝"
Single wire coil with diode
Female Weatherpak (IHC) plug

ABP N83 303332T



OE #CFC 024 25109
Diameter 6" – Groove: 2
Width: ½" – 12 Volts
Single wire coil
Ford OE plug

ABP N83 303342



OE #501075, MA-7A 2, MA-7A 24V
Diameter 7" – Groove: 2
Width: ½" – 24 Volts
Single wire coil
Male bullet plug

ABP N83 303431



OE #515528, MA-N06D
Diameter 6 ¼"– Groove: 1
Width: ⅝" – 12 Volts – B = 2 $^{11}/_{16}$"
Single wire coil
Female Weatherpak (IHC) plug

ABP N83 303432



OE #511199, MA N01
Diameter 6 ¾" – Groove: 2
Width: ½" – 12 Volts – B =2 ¼"
Single wire coil
Female Weatherpak (IHC) plug

LS = Limited to stock on hand

ABP N83 303531T



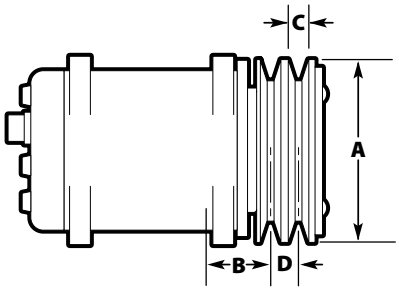
OE #L50-2409
Diameter 6"– Groove: 1
Width: ½" – 12 Volts – B = 2 ¾"
Single wire coil with diode
Weatherpak plug

ABP N83 303532



Diameter 6" – Groove: 2
Width: ½" – 12 Volts – B = 2 ¼"
Single wire coil
Female Weatherpak (IHC) plug

SPECIFICATIONS



If part number on clutch being replaced cannot be read, use following procedure to determine required clutch part number.

1. Determine if clutch is double or single groove.
2. Determine if 12 or 24 volt.
3. Measure outside diameter “A” of pulley.
4. Measure width of pulley groove “C”.
5. Measure the “B” dimension accurately.

(A) Pulley Diameter	Number of Grooves	(C) Groove Width	(B) Gauge Line Distance	Volts	Model / Description	Alliance P/N	*Old* Alliance P/N	Notes
4 ½”	Poly 7	⅛”	⅞”	12	FX-15 / 2 prong Ford integral, 21 spline	**ABP N83 303737**		
4 ⅞”	Poly 6	⅛”	-	12	FS-6 / 2 prong Ford integral	**ABP N83 303707**		
5”	Poly 6	⅛”	¾”	12	FX-15 / 2 prong Ford integral, 21 spline	**ABP N83 303717**		
5 9/16”	Poly 6	⅛”	¾”	12	FX-15 / 2 prong Ford integral, 21 spline	**ABP N83 303727**		
5 ⅞”	1	7/16”	⅞”	12	FS-6 / 2 prong Ford integral	**ABP N83 303541**		

ABP N83 303541



OE # E8DZ-2987A
Model: FS-6
Diameter: 5 ⅞” – Groove: 1
Width: 7/16” – 12 Volts – B = ⅞”
2 prong
Ford integral

ABP N83 303707



Model: FS-6
Diameter: 4 ⅞”– Groove: Poly 6
Width: ⅛” – 12 Volts
2 prong
Ford integral

ABP N83 303717



OE # F10H-19D 798AA, F20H-19D786-AA
Model: FX-15
Diameter: 5”– Groove: Poly 6
Width: ⅛” – 12 Volts – B = ¾”
2 prong
Ford integral, 21 spline

ABP N83 303727



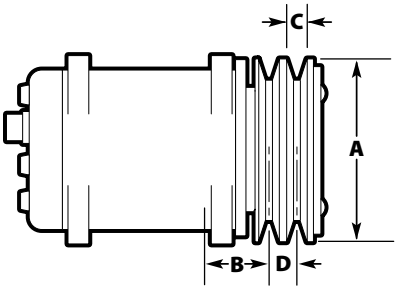
Model: FX-15
Diameter: 5 9/16” – Groove: Poly 6
Width: ⅛” – 12 Volts – B = ¾”
2 prong
Ford integral, 21 spline

ABP N83 303737



Model: FX-15
Diameter: 4 ½” – Groove: Poly 7
Width: ⅛” – 12 Volts – B = ⅞”
2 prong
Ford integral, 21 spline

SPECIFICATIONS



If part number on clutch being replaced cannot be read, use following procedure to determine required clutch part number.

1. Determine if clutch is double or single groove.
2. Determine if 12 or 24 volt.
3. Measure outside diameter “A” of pulley.
4. Measure width of pulley groove “C”.
5. Measure the “B” dimension accurately.

Listed in ascending order by **Wheel Diameter (A)**

(A) Pulley Diameter	Number of Grooves	(C) Groove Width	(B) Gauge Line Distance	Volts	Model / Description	Alliance P/N
4.7” 119mm	Poly 6	0.14	2 ½”/63mm	12	709, 7H15 / double wire coil, male bullet	**ABP N83 303257**
4.7” 119mm	Poly 7	0.14	1 ⅞”/48mm	12	709, 7H15 / single wire coil, Weatherpak	**ABP N83 303207**
4.7” 119mm	Poly 8	0.14	-	12	709, 7H15 / double wire coil, Metripak plug	**ABP N83 303387** **ABP N83 303407**
4.7” 119mm	Poly 8	0.14	1 13/16”/46mm	12	709, 7H15 / single wire coil, male bullet	**ABP N83 303397**
4.9” 125mm	2	½”	-	12	SD5 (508, 510, 5H14) / double wire, Ford OE plug	**ABP N83 303352**
4.9” 125mm	2	½”	2 5/32”/55mm	12	709, 7H15 / double wire coil, Metripak plug	**ABP N83 303402**
4.9” 125mm	2	½”	-	12	SD7 / single wire coil, male bullet	**ABP N83 303232**
4.9” 125mm	Poly 8	0.14	-	12	709, 7H15 / double wire coil, Ford OE Plug	**ABP N83 303157**
4.9” 125mm	2	½”	1 9/16”/40mm	24	709, 7H15 / single wire coil, female 280 HD Plug	**ABP N83 303722**
5” 127mm	Poly 8	0.14	-	12	SD5 (508, 510, 5H14) / single wire, male bullet	**ABP N83 303372** LS
5 ⅛”130mm	Poly 8	0.14	-	12	709, 7H15 / double wire coil, Metripak plug	**ABP N83 303767**
5 ¼” 132mm	2	½”	1 9/16”/40mm	12	SD5 (508, 510, 5H14) / single wire	**ABP N83 303282**
5 ¼” 132mm	2	½”	1 9/16”/40mm	24	SD5 (508, 510, 5H14) / single wire, male bullet	**ABP N83 303302**
5 ¼” 132mm	2	½”	1 9/16”/40mm	12	709, 7H15 / double wire coil, Ford OE Plug	**ABP N83 303422** **ABP N83 303242**
5 ¼” 132mm	2	½”	-	12	709, 7H15 double wire coil, Metripak plug	**ABP N83 303482**
5 ¼” 132mm	2	½”	-	12	709, 7H15 2 wire coil w diode, Metripak plug	**ABP N83 303492**
5 ¼” 132mm	2	½”	1 9/16”/40mm	12	709, 7H15 / double wire coil, Ford OE Plug	**ABP N83 303242**
5 ½” 138mm	1	½”	2 11/16”/68mm	12	SD5 (508, 510, 5H14) / single wire	**ABP N83 303231**
6 ¼” 158mm	1	½-¾” var	1 9/16”/40mm	12	SD5 (508, 510, 5H14) / single wire, male bullet	**ABP N83 303491**
6 21/32”169mm	1	½”	1 9/16”/40mm	12	709, 7H15 / double wire coil, Ford OE Plug	**ABP N83 303421**

LS = Limited to stock on hand

ABP N83 303157



OE # 6593-6010
Model 709 / 7H15
Diameter: 4.9" / 125mm –
Groove: Poly 8
Width: 0.14" – 12 Volts – B = -
Double wire coil
Ford OE plug

ABP N83 303207



OE # 6512-6210
Model 709 / 7H15
Diameter: 4.7" / 119mm
Groove: Poly 7
Width:0.14"–12Volts–B=1⅞"/48mm
Single wire coil
Weatherpak plug

ABP N83 303231



OE #508995, MS 5 ½A-10
Model SD5 (508, 510, 5H14)
overhang
Diameter: 5 ½" / 138mm
Groove: 1
Width: ½" – 12 Volts – B = - 2 11/16"
/ 68mm
Single wire coil
bare wire

ABP N83 303232



OE # 9353-6010, 6560-6010
Model SD7
Diameter: 4.9" / 125mm
Groove: 2
Width: ½" – 12 Volts
Single wire coil
Male bullet plug

ABP N83 303242



OE # 6504-6010
Model 709 / 7H15
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½" – 12 Volts – B = 1 9/16"/
40mm
Double wire coil
Ford OE plug

ABP N83 303257



OE # 6524-6010
Model 709 / 7H15
Diameter: 4.7" / 119mm
Groove: Poly 6
Width: 0.14" – 12 Volts – B = 2 ½"/
63mm
Double wire coil
Male bullet plug

ABP N83 303282



OE # 6575-6310
Model SD5 (508, 510, 5H14)
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½" – 12 Volts – B = 1 9/16"/
40mm
Single wire coil
bare wire

ABP N83 303302



OE # 6519-6210
Model SD5 (508, 510, 5H14)
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½"
24 Volts – B = 1 9/16"/ 40mm
Single wire coil
Male bullet plug

ABP N83 303352



Model SD5 (508, 510, 5H14)
Diameter: 4.9" / 125mm
Groove: 2
Width: ½" – 12 Volts
Double wire coil
Ford OE plug

ABP N83 303387 / ABP N83 303407



OE #4606-6871, 4705-9930, 9931
Model 709 / 7H15
Diameter: 4.7" / 119mm
Groove: Poly 8
Width: 0.14" – 12 Volts
Double wire coil
Metripak plug

ABP N83 303397



OE #6522-6010, 9033-9900
Model 709 / 7H15
Diameter: 4.7" / 119mm
Groove: Poly 8
Width: 0.14" – 12 Volts – B = 1 13/16"/ 46mm
Single wire coil
Male bullet plug

ABP N83 303402



OE # 6593-6010, 4740-9931
Model 709 / 7H15
Diameter: 4.9" / 125mm
Groove: 2
Width: ½" – 12 Volts – B = 2 5/32"/ 55mm
Double wire coil
Metripak plug

ABP N83 303421



OE # 6506-9931
Model 709 / 7H15
Diameter: 6 21/32" / 169mm
Groove: 1
Width: ½" – 12 Volts – B = 1 9/16"/ 40mm
Double wire coil
Ford OE plug

ABP N83 303422 / ABP N83 303242



OE # 6504-6010
Model 709 / 7H15
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½" – 12 Volts – B = 1 9/16"/ 40mm
Double wire coil
Ford OE plug

ABP N83 303482



OE # 4694-9931
Model 709 / 7H15
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½" – 12 Volts
Double wire coil
Metripak plug

ABP N83 303491



OE # 6521-6010
Model SD5 (508, 510, 5H14)
Diameter: 6 ¼" / 158mm
Groove: 1
Width: ½-¾" variable – 12 Volts
B = 1 9/16"/ 40mm
Single wire coil
Male bullet plug

ABP N83 303492



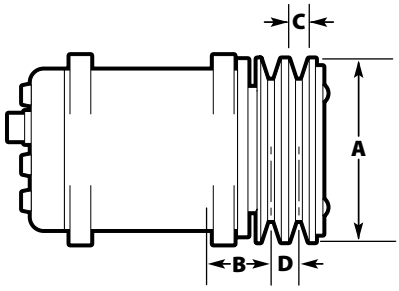
OE # 4752-9931
Model 709 / 7H15
Diameter: 5 ¼" / 132mm
Groove: 2
Width: ½" – 12 Volts
Double wire coil w diode
Metripak plug

ABP N83 303722



OE # 6511-6310
Model 709 / 7H15
Diameter: 4.9" / 125mm
Groove: 2
Width: ½" – 24 Volts
B Distance: 1 9/16"/ 40mm
Single wire coil
Female 280 HD plug

SPECIFICATIONS



If part number on clutch being replaced cannot be read, use following procedure to determine required clutch part number.

1. Determine if clutch is double or single groove.
2. Determine if 12 or 24 volt.
3. Measure outside diameter "A" of pulley.
4. Measure width of pulley groove "C".
5. Measure the "B" dimension accurately.

Listed in ascending order by **Wheel Diameter (A)** All keys are 5/32" "D" dimension is 0.62" on all double groove clutches.

(A) Pulley Diameter	Number of Grooves	(C) Groove Width	(B) Gauge Line Distance	Volts	Model / Description	Alliance P/N
4 27/32"123mm	Poly 6	0.14	1 11/32 / 34mm	12	Seltec TM15 / 3 eye hub; single wire, male bullet	**ABP N83 303747**
4 27/32"123mm	Poly 6	0.14	—	12	Seltec TM15 / spring leaf; single wire, male bullet	**ABP N83 303377**
4 27/32"123mm	Poly 8	0.14	1 11/32 / 34mm	12	Seltec TM15 / 3 eye hub; single wire, male bullet	**ABP N83 303367**
4.9" 125mm	1	1/2"	2 7/16"/62mm	12	Seltec/TAMA-CH / single wire coil, male bullet	**ABP N83 303261**
4.9" 125mm	2	1/2"	1 9/16"/40mm	12	Seltec TM15 / spring leaf; single wire, male bullet	**ABP N83 303462**
4.9" 125mm	2	1/2"	—	12	ICE - TM16 / spring leaf; double wire, Metripak plug	**ABP N83 303472**
4.9" 125mm	Poly 8	0.14	—	12	ICE - TM16 / double wire coil, Metripak plug	**ABP N83 303357**
5 21/64"135mm	2	1/2"	1 9/16"/40mm	12	Seltec-CH / 3 eye hub; single wire, male bullet	**ABP N83 303712**
5 21/64"135mm	2	1/2"	1 9/16"/40mm	12	Seltec-CH / spring leaf, single wire male bullet	**ABP N83 303139**
5 21/64"135mm	2	1/2"	—	12	Seltec TM15 / 3 eye hub; single wire, male bullet	**ABP N83 303452**
5 21/64"135mm	2	1/2"	1 9/16"/40mm	24	Seltec TM15 / 3 eye hub; single wire, male bullet	**ABP N83 303417**
6" 152mm	2	1/2"	3" / 76mm	12	ICE TM31 / 5 eye hub; single wire, male bullet	**ABP N83 303442**
6" 152mm	Poly 8	0.14	2 5/8" / 67mm	12	ICE TM31 / 5 eye hub; single wire, male bullet	**ABP N83 303347**
6 1/4" 159mm	1	1/2-3/4" var	1 7/8"/ 47mm	12	Seltec/ICE-CH / 3 eye hub; single wire, male bullet	**ABP N83 303371**
6 1/4" 159mm	1	1/2-3/4" var	1 7/8"/ 47mm	24	Seltec/ICE-CH / 3 eye hub; single wire, male bullet	**ABP N83 303427**

ABP N83 303747



OE # 2570144 – Model: Seltec - TM15
Diameter: 4 27/32" / 123mm –
Groove: Poly 6 - Width: .14" – 12 Volts
B Dimension: 1 11/32"/ 34 mm
Single wire coil
Male bullet plug

ABP N83 303377



OE # 2570161 – Model: Seltec - TM15
Diameter: 4 27/32" / 123mm –
Groove: Poly 6 - Width: .14" – 12 Volts
B Dimension: -
Single wire coil
Male bullet plug

ABP N83 303367



OE # 2570155 – Model: Seltec - TM15
Diameter: 4 27/32" / 123mm –
Groove: Poly 8 - Width: .14" – 12 Volts
B Dimension: 1 11/32"/ 34 mm
Single wire coil
Male bullet plug

ABP N83 303261



OE # 511869 – Model: Seltec/ TAMA - CH
Diameter: 4.9" / 125mm
Groove: 1 - Width: ½" – 12 Volts
B Dimension: 2 7/16"/ 62 mm
Single wire coil
Male bullet plug

ABP N83 303462



OE # 2570159 – Model: Seltec - TM15
Diameter: 4.9" / 125mm
Groove: 2 - Width: ½" – 12 Volts
B Dimension: 1 9/16"/ 40 mm
Single wire coil
Male bullet plug

ABP N83 303472



OE # 2570158 – Model: ICE - TM16
Diameter: 4.9" / 125mm – Groove: 2 - Width: ½", – 12 Volts
B Dimension: -
Double wire coil
Metripak plug

ABP N83 303357



OE # 2570201 – Model: ICE - TM16
Diameter: 4.9" / 125mm
Groove: Poly 8 - Width: .14" – 12 Volts
B Dimension:
Double wire coil
Metripak plug

ABP N83 303712



OE # 2570151 – Model: Seltec - CH
Diameter: 5 21/64" / 135mm –
Groove: 2 - Width: ½" – 12 Volts
B Dimension: 1 9/16"/ 40 mm
Single wire coil
Male bullet plug

ABP N83 303139



OE # 518199 – Model: Seltec CH
Diameter: 5 21/64" / 135mm –
Groove: 2 - Width: ½" – 12 Volts
B Dimension: 1 9/16"/ 40 mm
Single wire coil
Male bullet plug

ABP N83 303452



OE # 2570152 – Model: Seltec - TM15
Diameter: 5 21/64" / 135mm – Groove: 2 - Width: ½", – 12 Volts
B Dimension: -
Single wire coil
Male bullet plug

ABP N83 303417



OE # 2570150 – Model: Seltec - TM15
Diameter: 5 21/64" / 135mm – Groove: 2 - Width: ½", – 24 Volts
B Dimension: 1 9/16"/ 40 mm
Single wire coil
Male bullet plug

ABP N83 303442



OE # 2570165 – Model: ICE - TM31
Diameter: 6" / 152mm
Groove: 2 - Width: ½ – 12 Volts
B Dimension: 3"/ 76mm
Single wire coil
Male bullet plug

ABP N83 303347



OE # 2570168 – Model: ICE - TM31
Diameter: 6" / 152mm
Groove: Poly 8 - Width: .14 – 12 Volts
B Dimension: 2 5/8"/ 67mm
Single wire coil
Male bullet plug

ABP N83 303371



OE # 2570148 – Model: Seltec - CH
Diameter: 6 ¼" / 159mm – Groove: 1 - Width: ½-¾" variable – 12 Volts
B Dimension: 1 7/8"/ 47 mm
Single wire coil
Male bullet plug

ABP N83 303427



OE # 2570149 – Model: Seltec - CH
Diameter: 6 ¼" / 159mm – Groove: 1 - Width: ½-¾" variable – 24 Volts
B Dimension: 1 7/8"/ 47 mm
Single wire coil
Male bullet plug

CLUTCH CROSS REFERENCE

Air Source P/N	Alliance P/N
5029	ABP N83 303307
5031	ABP N83 303051
5032	ABP N83 303431
5040	ABP N83 303061
5041	ABP N83 303012
5042	ABP N83 303342
5044	ABP N83 303252
5046	ABP N83 303121
5057	ABP N83 303282
5058	ABP N83 303302
5059	ABP N83 303491
5060	ABP N83 303027
5061	ABP N83 305581
5067	ABP N83 303207
5068	ABP N83 303397
5072	ABP N83 303707
5074	ABP N83 303541
5079	ABP N83 303057
5082	ABP N83 303737
5116	ABP N83 303482
5122	ABP N83 303157
5123*	ABP N83 303157
5126	ABP N83 303277
5127	ABP N83 303287
5128	ABP N83 303317
5129	ABP N83 303187
5131	ABP N83 303221
5138	ABP N83 303422
5139*	ABO N83 303422
5144	ABP N83 303082
5163	ABP N83 303402
5167	ABP N83 303482
5640	ABP N83 325047
5009	ABP N83 303441
5011*	ABP N83 303011
5026*	ABP N83 303142
5028*	ABP N83 303491
5030*	ABP N83 303007
5033	ABP N83 303151
5036	ABP N83 303071
5037	ABP N83 303002
5044	ABP N83 303532
5045	ABP N83 303042
5050*	ABP N83 303462
5051*	ABP N83 303367
5055	ABP N83 303202
5056	ABP N83 303261
5065**	ABP N83 303257
5066**	ABP N83 303282
5075	ABP N83 303711
5078*	ABP N83 303442
5080*	ABP N83 303717

Air Source P/N	Alliance P/N
5081*	ABP N83 303727
5096	ABP N83 303011
5097*	ABP N83 303142
5117*	ABP N83 303157
5118*	ABP N83 303257
5123*	ABP N83 303422
5125**	ABP N83 303221
5137**	ABP N83 303157
5139**	ABP N83 303482
5139**	ABP N83 303492
5141	ABP N83 303432
5143	ABP N83 303142
5167	ABP N83 303482
Allis Chalmers P/N	**Alliance P/N**
1182664	ABP N83 303012
285169	ABP N83 303282
024 21590	ABP N83 303082
1182664-1	ABP N83 303012
1182664-4	ABP N83 303012
71182664-4	ABP N83 303012
MA 6	ABP N83 303252
MA 6A*	ABP N83 303252
MA 6AX	ABP N83 303252
MAE 6AR	ABP N83 303252
Bergstrom P/N	**Alliance P/N**
650481	ABP N83 303012
650482	ABP N83 303252
650487	ABP N83 303051
650488	ABP N83 303071
650492	ABP N83 303082
650495	ABP N83 303151
650501	ABP N83 303261
650502	ABP N83 303371
650504	ABP N83 303202
650505	ABP N83 303261
650513	ABP N83 303342
650515	ABP N83 303252
650517	ABP N83 303062
650519	ABP N83 303112
650524	ABP N83 303231
650525	ABP N83 303282
650529	ABP N83 303061
650532	ABP N83 303121
650537	ABP N83 303027
650542	ABP N83 303201
650543	ABP N83 303221
650544	ABP N83 303142
650547	ABP N83 303431
650482*	ABP N83 303022
650483**	ABP N83 303082
650484**	ABP N83 303011
650496*	ABP N83 303012

Bergstrom P/N	Alliance P/N
650499*	ABP N83 303202
650501*	ABP N83 303241
650514*	ABP N83 303042
650516*	ABP N83 303001
650526*	ABP N83 303132
650533*	ABP N83 303271
650536	ABP N83 303491
650536*	ABP N83 303301
650538*	ABP N83 303182
650541*	ABP N83 303192
650545*	ABP N83 303007
650546**	ABP N83 303307
650867*	ABP N83 303277
650867*	ABP N83 303187
650867*	ABP N83 303342
Case P/N	**Alliance P/N**
003-3938*	ABP N83 303532
003-4530	ABP N83 303012
143405-C91	ABP N83 303012
6514-6210	ABP N83 303282
A162008	ABP N83 303012
A64956	ABP N83 303012
A66057	ABP N83 303012
Caterpillar P/N	**Alliance P/N**
539296	ABP N83 303207
024 21590	ABP N83 303082
MA 6	ABP N83 303252
MA 6A*	ABP N83 303252
MA 6AX	ABP N83 303252
MAE 6AR	ABP N83 303252
Climate Control P/N	**Alliance P/N**
024 25078*	ABP N83 303252
024 25144	ABP N83 303287
024 25171*	ABP N83 303307
024 25171*	ABP N83 303491
024 21590	ABP N83 303082
024 21942	ABP N83 303051
024 25241	ABP N83 303187
024 25241*	ABP N83 303277
024 25244*	ABP N83 303277
024 25247	ABP N83 303317
ClimaTech P/N	**Alliance P/N**
KA1000	ABP N83 303082
KA1005	ABP N83 303051
KA1020	ABP N83 303151
KA1025	ABP N83 303202
KA1030*	ABP N83 303202
KA1040	ABP N83 303532
KA1040**	ABP N83 303082
KA1045**	ABP N83 303011
KA1055	ABP N83 303261
KA1065	ABP N83 303261

Cross References are for reference only. Check manufacturer specifications/applications prior to installation
* Check specifications, may not be an exact interchange
** Check plug connection, plugs available per Electrical Connector Assembly Kit, ABP N83 322842.
\+ LS, Limited to stock on hand

CLUTCH CROSS REFERENCE

ClimaTech P/N	Alliance P/N
KA1065*	ABP N83 303241
KA1070*	ABP N83 303271
KA1080	ABP N83 303371
KA1085	ABP N83 303071
KA1090	ABP N83 303012
KA1095	ABP N83 303051
KA1100	ABP N83 303121
KA1100*	ABP N83 303151
KA1140	ABP N83 303002
KA1170*	ABP N83 303271
KA1175*	ABP N83 303491
KA1200	ABP N83 303491
KA1270	ABP N83 303061
KA1345*	ABP N83 303282
KA1350	ABP N83 303282
KA1360	ABP N83 303252
KA1375	ABP N83 303342
KA1395	ABP N83 303252
KA1400*	ABP N83 303277
KA1400*	ABP N83 303007
KA1405	ABP N83 303317
KA1410	ABP N83 303287
KA1415*	ABP N83 303001
KA1420	ABP N83 303062
KA1450	ABP N83 303112
KA1455	ABP N83 303201
KA1460	ABP N83 303221
KA1465	ABP N83 303231
KA1470*	ABP N83 303132
KA1475	ABP N83 303142
KA1480*	ABP N83 303007
KA1485**	ABP N83 303307
KA1490	ABP N83 303431
KA1500*	ABP N83 303182
KA1505*	ABP N83 303192
KA1510	ABP N83 303491
KA1510	ABP N83 303301
KA1515	ABP N83 303027
KA1530**	ABP N83 303221
KA1535*	ABP N83 303277
KA1535*	ABP N83 303187
KA1655*	ABP N83 303717
KA1660*	ABP N83 303727
KA1665*	ABP N83 303717
KA1675*	ABP N83 303727
KA1680*	ABP N83 303707
KC1010	ABP N83 303187
QB1265	ABP N83 305005

Cool Cab P/N	Alliance P/N
941214	ABP N83 303441
941227	ABP N83 303541
941264	ABP N83 303121
941269	ABP N83 303727
947253	ABP N83 303491
947273	ABP N83 303042
947274	ABP N83 303282
947278	ABP N83 303257
947281	ABP N83 303302
948212	ABP N83 303051
948223	ABP N83 303012
948226	ABP N83 303252
948227	ABP N83 303012
948228	ABP N83 303121
948228	ABP N83 303151
948234	ABP N83 303002
948246	ABP N83 303252
948262	ABP N83 303051
948267	ABP N83 303061
948277	ABP N83 303342
948435	ABP N83 303007
948439	ABP N83 303221
948441	ABP N83 303082
948442	ABP N83 303432
948446	ABP N83 303142
948449	ABP N83 303317
949216	ABP N83 303261
949217	ABP N83 303371
949255	ABP N83 303371
949819	ABP N83 303202
941225*	ABP N83 303707
941227*	ABP N83 303711
941264*	ABP N83 303151
948224*	ABP N83 303252
948224*	ABP N83 303082
948229**	ABP N83 303011
948260*	ABP N83 303532
948260*	ABP N83 303142
948436*	ABP N83 303307
948448*	ABP N83 303277
948448*	ABP N83 303187
949243*	ABP N83 303202

Delco P/N	Alliance P/N
15-4118	ABP N83 303151
15-4120	ABP N83 303252
15-4120*	ABP N83 303082
15-4124	ABP N83 303002
15-4148	ABP N83 303012
15-4248	ABP N83 303061
15-4251	ABP N83 303051
15-4254	ABP N83 303011

Euclid P/N	Alliance P/N
E-802144	ABP N83 303231
E-802145	ABP N83 303282
E-802159	ABP N83 303491
E-802252*	ABP N83 303202
E-802253	ABP N83 303202
E-802254	ABP N83 303261
E-802255	ABP N83 303371
E-802256*	ABP N83 303202
E-802500	ABP N83 303012
E-802501	ABP N83 303252
E-802501	ABP N83 303082
E-802502	ABP N83 303342
E-802503	ABP N83 303252
E-802507*	ABP N83 303252
E-802507*	ABP N83 303082
E-802508	ABP N83 303011
E-802513	ABP N83 303441
E-802514	ABP N83 303491
E-802515*	ABP N83 303151
E-802516	ABP N83 303051
E-802519	ABP N83 303061
E-802520	ABP N83 303071
E-802524	ABP N83 303002
E-802525	ABP N83 303121
E-802528	ABP N83 303151
E-802530*	ABP N83 303432
E-802530**	ABP N83 303012
E-802535	ABP N83 303112
E-802536	ABP N83 303201
E-802536	ABP N83 303221
E-802537	ABP N83 303051
E-802539	ABP N83 303532
E-802543	ABP N83 303221
E-802543*	ABP N83 303051
E-802548	ABP N83 303142
E-802557	ABP N83 303007
E-802558	ABP N83 303307
E-802561	ABP N83 303711
E-802564	ABP N83 303252
E-802580	ABP N83 303061
E-802591	ABP N83 303011
E-802592	ABP N83 303042
E-802593*	ABP N83 303007
E-802594	ABP N83 303082
E-802665	ABP N83 303711
E-802793	ABP N83 303282
E-803547	ABP N83 303142

Everco P/N	Alliance P/N
904110	ABP N83 303282
904204	ABP N83 303282
904210	ABP N83 303302
904212	ABP N83 303491
904227	ABP N83 303541
904240	ABP N83 303202
904242	ABP N83 303261

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** Check plug connection, plugs available per Electrical Connector Assembly Kit, ABP N83 322842.
\+ LS, Limited to stock on hand

CLUTCH CROSS REFERENCE

Everco P/N	Alliance P/N
904326	ABP N83 303252
904327	ABP N83 303082
904328	ABP N83 303042
904336	ABP N83 303012
904346	ABP N83 303051
904360	ABP N83 303071
904384	ABP N83 303491
904390	ABP N83 303061
904408	ABP N83 303532
904418	ABP N83 303441
904419	ABP N83 303121
904720	ABP N83 305005
904200**	ABP N83 303257
904229*	ABP N83 303707
904236*	ABP N83 303252
904236*	ABP N83 303082
904236*	ABP N83 303532
904239*	ABP N83 303442
904322*	ABP N83 303121
904322*	ABP N83 303151
904338*	ABP N83 303342
904354**	ABP N83 303011
904364*	ABP N83 303002
904408*	ABP N83 303252
904408*	ABP N83 303082
A74216	ABP N83 303261
A7629	ABP N83 303302
A7656**	ABP N83 303257
A7682	ABP N83 303151
A7683*	ABP N83 303532
A7688**	ABP N83 303011
A7691*	ABP N83 303051
A7691*	ABP N83 303221
A7692	ABP N83 303061
A8463	ABP N83 303202
A8533	ABP N83 303082
A8533*	ABP N83 303532
A8534	ABP N83 303012
A8541	ABP N83 303441
A8564**	ABP N83 303011
A8567	ABP N83 303002
A8575	ABP N83 303282
A8950	ABP N83 303707

Fleetrite - IHC P/N	Alliance P/N
See also Navistar - IHC	
ZGG11044	ABP N83 303491
ZGG11207	ABP N83 303282
ZGG11209	ABP N83 303491
ZGG11526	ABP N83 303142
ZGG11529	ABP N83 303491
ZGG11548	ABP N83 303061
ZGG11552*	ABP N83 303011

Fleetrite - IHC P/N	Alliance P/N
ZGG11553	ABP N83 303011
ZGG11555*	ABP N83 303011
ZGG11557	ABP N83 303002
ZGG11558*	ABP N83 303151
ZGG11561*	ABP N83 303151
ZGG11561*	ABP N83 303011
ZGG11565	ABP N83 303432
ZGG11566	ABP N83 303532
ZGG11566	ABP N83 303082
ZGG12135	ABP N83 303252
ZGG12136	ABP N83 303012
ZGG12141*	ABP N83 303051
ZGG12141*	ABP N83 303221
ZGG13065	ABP N83 303202
ZGG13302	ABP N83 303282
ZGG14191	ABP N83 303221
ZGG16355	ABP N83 303261
ZGG16360	ABP N83 303371
ZGG16362	ABP N83 303282
ZGG18414*	ABP N83 303007
ZGG19310	ABP N83 303532
ZGG19310*	ABP N83 303317
ZGG19311	ABP N83 303051
ZGG19320	ABP N83 303287
ZGG19323	ABP N83 303187
ZGG19323*	ABP N83 303277
ZGG19841	ABP N83 303317
ZGG19845	ABP N83 303431
ZGG704000	ABP N83 303277
ZGG704000	ABP N83 303187
ZGG704001	ABP N83 303051
ZGG704002	ABP N83 303051
ZGG704003	ABP N83 303061
ZGG704007	ABP N83 303371
ZGG704028	ABP N83 303717
ZGG704029	ABP N83 303727
ZGG704030	ABP N83 303717
ZGG704032	ABP N83 303727
ZGG704033	ABP N83 303707

Ford P/N	Alliance P/N
C4TZ-2884-B	ABP N83 303002
C5TZ-2884-C	ABP N83 303011
C5UZ-2884-A	ABP N83 303012
C7AZ-2884-B	ABP N83 303252
C7AZ-2884-B	ABP N83 303082
C8VY-2884-B	ABP N83 303061
D1HZ-2884-B	ABP N83 303491
D1VY-19D653	ABP N83 303282
D2AZ-2884-A	ABP N83 303252
D2NN-19D649-A	ABP N83 303012
D4FZ-2884-A	ABP N83 303252
E3AZ-2A987-A	ABP N83 303711

Ford P/N	Alliance P/N
E5LZ-19D784-A	ABP N83 303011
F20H-19D786-AA	ABP N83 303717
F4HZ-19D786-A	ABP N83 303157
F5VY-19D784-A	ABP N83 303142
FF-E4TH-BA1	ABP N83 303711

Four Seasons P/N	Alliance P/N
47255	ABP N83 305005
47531	ABP N83 303082
47534	ABP N83 303012
47551	ABP N83 303082
47586	ABP N83 303282
47811	ABP N83 303051
47873	ABP N83 303151
47900	ABP N83 303261
47901	ABP N83 303371
47903	ABP N83 303202
47905	ABP N83 303221
47907	ABP N83 303082
47908	ABP N83 303432
47910	ABP N83 303142
47928	ABP N83 303317
47931	ABP N83 303051
47937	ABP N83 303082
47938	ABP N83 303342
47939	ABP N83 303042
47959	ABP N83 303007
47962	ABP N83 303061
47968	ABP N83 303011
47973	ABP N83 303071
47973	ABP N83 303002
47979	ABP N83 303012
47998	ABP N83 303491
47605*	ABP N83 303202
47904*	ABP N83 303371
47927*	ABP N83 303277
47927*	ABP N83 303187
47935*	ABP N83 303532
47935*	ABP N83 303142
47960*	ABP N83 303307
47977*	ABP N83 303151

ICE P/N	Alliance P/N
2570147	ABP N83 303261
2570148	ABP N83 303371
2570152	ABP N83 303452
2570155	ABP N83 303367
2570157	ABP N83 303202
2570158	ABP N83 303472
2570159	ABP N83 303462
2570161	ABP N83 303377
2570162	ABP N83 303367
2570165	ABP N83 303442
2570168	ABP N83 303057

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CLUTCH CROSS REFERENCE

ICE P/N	Alliance P/N
2570201	ABP N83 303357
John Deere P/N	**Alliance P/N**
6514-6210	ABP N83 303282
AH79301	ABP N83 303252
AH85846*	ABP N83 303082
AH85846*	ABP N83 303012
AH85847	ABP N83 303012
AH85864	ABP N83 303252
K332-14	ABP N83 303082
K332-41	ABP N83 303042
K332-C23*	ABP N83 303012
K332-C32*	ABP N83 303012
Kenworth P/N	**Alliance P/N**
511051	ABP N83 303202
511575	ABP N83 303261
502393 0CC	ABP N83 303011
6504-6310	ABP N83 303012
6511-6010	ABP N83 303012
6512-6210	ABP N83 303207
6519-6010	ABP N83 303282
6522-6010	ABP N83 303397
K332-12	ABP N83 303002
K332-14*	ABP N83 303082
K332-14*	ABP N83 303252
K332-19	ABP N83 303252
K332-19**	ABP N83 303082
K332-23*	ABP N83 303252
K332-23*	ABP N83 303012
K332-24*	ABP N83 303252
K332-24**	ABP N83 303082
K332-26	ABP N83 303002
K332-26*	ABP N83 303082
K332-27*	ABP N83 303252
K332-27*	ABP N83 303082
K332-28*	ABP N83 303151
K332-29*	ABP N83 303012
K332-32*	ABP N83 303012
K332-37	ABP N83 303252
K332-40	ABP N83 303071
K332-41	ABP N83 303042
K332-43	ABP N83 303002
K332-44	ABP N83 303252
K332-45	ABP N83 303011
K332-53	ABP N83 303221
K332-59-3	ABP N83 303287
K332-59-4	ABP N83 303317
K332-59-6	ABP N83 303221
K332-59-7*	ABP N83 303277
K332-59-7*	ABP N83 303187
K332-62-1	ABP N83 303532
K332-62-1**	ABP N83 303082
K332-62-2	ABP N83 303051

Kenworth P/N	Alliance P/N
K332-B17	ABP N83 303311
K332-B19	ABP N83 303252
K332-B23	ABP N83 303012
K332-B27	ABP N83 303252
K332-B28	ABP N83 303011
K332-C23*	ABP N83 303012
K332-C27	ABP N83 303082
K332-C28	ABP N83 303011
K332-D56-2*	ABP N83 303202
MA N03	ABP N83 303007
MA N05	ABP N83 303307
Kysor (New) P/N	**Alliance P/N**
1310012	ABP N83 303151
1312002	ABP N83 303287
1312003	ABP N83 303187
1313002	ABP N83 303431
1313005	ABP N83 303252
1313006	ABP N83 303142
1313007	ABP N83 303007
1399001	ABP N83 303202
1399002	ABP N83 303261
1399003	ABP N83 303532
1399005	ABP N83 303051
1399009	ABP N83 303317
1399012	ABP N83 303201
1399013	ABP N83 303221
1399014	ABP N83 303371
1399016	ABP N83 303491
1399016	ABP N83 303301
1399017	ABP N83 303071
1399018	ABP N83 303151
1399019	ABP N83 303061
1399064	ABP N83 303011
1399023	ABP N83 303002
1399030	ABP N83 303491
1399031	ABP N83 303061
1399042	ABP N83 303282
1399043	ABP N83 303302
1399046	ABP N83 303012
1399048	ABP N83 303042
1399086	ABP N83 303342
1399059	ABP N83 303027
1399062	ABP N83 303112
1399022	ABP N83 303011
1399049	ABP N83 303342
1312001**	ABP N83 303011
1312003*	ABP N83 303277
1313001*	ABP N83 303007
1313008**	ABP N83 303051
1313008**	ABP N83 303221
1314001**	ABP N83 303221
1399003**	ABP N83 303082

Kysor (New) P/N	Alliance P/N
1399006*	ABP N83 303307
1399008*	ABP N83 303277
1399008*	ABP N83 303007
1399011*	ABP N83 303001
1399015*	ABP N83 303241
1399037*	ABP N83 303271
1399044*	ABP N83 303202
1399051*	ABP N83 303717
1399052*	ABP N83 303727
1399053*	ABP N83 303717
1399055*	ABP N83 303727
1399056*	ABP N83 303707
1399068*	ABP N83 303422
Kysor (Old) P/N	**Alliance P/N**
402046	ABP N83 303121
402067	ABP N83 303061
402095	ABP N83 303011
402098	ABP N83 303011
402178	ABP N83 303112
402180	ABP N83 303201
402181	ABP N83 303221
402184	ABP N83 303431
402188	ABP N83 303317
402400	ABP N83 303252
402400	ABP N83 303082
402411	ABP N83 303061
402500	ABP N83 303082
402554	ABP N83 303491
402601	ABP N83 303282
402602	ABP N83 303302
402637	ABP N83 303011
402669	ABP N83 303082
402748	ABP N83 303371
402756	ABP N83 303261
402773	ABP N83 303491
402774	ABP N83 303491
402774	ABP N83 303301
402775	ABP N83 303027
402897	ABP N83 303287
402900	ABP N83 303071
402901	ABP N83 303151
402903	ABP N83 303061
402912	ABP N83 303002
402913	ABP N83 303121
402915	ABP N83 303532
402917	ABP N83 303012
402924	ABP N83 303491
402927	ABP N83 303051
402929	ABP N83 303061
402939	ABP N83 303051
402941	ABP N83 303042
402945	ABP N83 303342

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CLUTCH CROSS REFERENCE

Kysor (Old) P/N	Alliance P/N
402955	ABP N83 303202
402960	ABP N83 303261
402966	ABP N83 303007
402100*	ABP N83 303717
402102*	ABP N83 303727
402103*	ABP N83 303717
402105*	ABP N83 303727
402106*	ABP N83 303707
402177*	ABP N83 303001
402183*	ABP N83 303007
402185*	ABP N83 303277
402185*	ABP N83 303187
402189**	ABP N83 303221
402550*	ABP N83 303252
402587*	ABP N83 303277
402587*	ABP N83 303007
402663*	ABP N83 303142
402667*	ABP N83 303252
402721*	ABP N83 303252
402746*	ABP N83 303202
402756*	ABP N83 303241
402901*	ABP N83 303277
402908**	ABP N83 303011
402915**	ABP N83 303082
402918*	ABP N83 303252
402918*	ABP N83 303082
402927*	ABP N83 303221
402956*	ABP N83 303271
402967*	ABP N83 303307
Mack P/N	**Alliance P/N**
1411-41*	ABP N83 303012
1411-72	ABP N83 303012
1MX240*	ABP N83 303532
1MX240*	ABP N83 303252
1MX240**	ABP N83 303082
1MX242	ABP N83 303082
1MX242*	ABP N83 303252
1MX246*	ABP N83 303012
1MX246*	ABP N83 303432
1MX41281	ABP N83 303051
1MXA1230*	ABP N83 303252
1MXA1280	ABP N83 303082
1MXA1281*	ABP N83 303012
1MXA243	ABP N83 303151
1MXA246	ABP N83 303252
1MXA246*	ABP N83 303082
1MXA3217	ABP N83 303071
1MZA1281*	ABP N83 303012
208-RD-31	ABP N83 303002
6514-6210	ABP N83 303282
6565-6210	ABP N83 303491
6574-6210	ABP N83 303282

Mack P/N	Alliance P/N
7979 402404	ABP N83 303151
7979 402412	ABP N83 303012
7979 402499	ABP N83 303012
7979 402500	ABP N83 303082
Massey Ferguson P/N	**Alliance P/N**
1032477M91	ABP N83 303151
1069215M91	ABP N83 303282
1070592M91	ABP N83 303012
250375-M91	ABP N83 303011
470039-M91*	ABP N83 303012
D45054900	ABP N83 303252
Motivair P/N	**Alliance P/N**
1-1044	ABP N83 303491
1-1209	ABP N83 303491
1-1525	ABP N83 303491
1-1525	ABP N83 303011
1-1526	ABP N83 303142
1-1529*	ABP N83 303491
1-1548	ABP N83 303061
1-1549	ABP N83 303071
1-1553	ABP N83 303011
1-1557	ABP N83 303002
1-1558	ABP N83 303121
1-1561	ABP N83 303151
1-1565*	ABP N83 303082
1-1566	ABP N83 303082
1-1566*	ABP N83 303252
1-1570	ABP N83 303012
1-2135	ABP N83 303252
1-2135*	ABP N83 303082
1-2136	ABP N83 303012
1-2140	ABP N83 303491
1-2141	ABP N83 303051
1-2160*	ABP N83 303342
1-2161	ABP N83 303042
1-3065	ABP N83 303202
1-3302	ABP N83 303282
1-3304	ABP N83 303042
1-5929	ABP N83 303012
1-6354	ABP N83 303202
1-6355	ABP N83 303261
1-6356	ABP N83 303202
1-6357	ABP N83 303261
1-6362	ABP N83 303282
1-6363	ABP N83 303491
1-6538	ABP N83 303707
1-6539	ABP N83 303541
1-6540	ABP N83 303711
1-8414	ABP N83 303007
Motorcraft P/N	**Alliance P/N**
YB-138	ABP N83 303151
YB-140	ABP N83 303252

Motorcraft P/N	Alliance P/N
YB-140	ABP N83 303082
YB-144	ABP N83 303002
YB-147	ABP N83 303711
YB-148	ABP N83 303252
YB-149	ABP N83 303012
YB-213	ABP N83 303061
Murray P/N	**Alliance P/N**
YB-317A	ABP N83 303011
YB-492	ABP N83 303157
YB-521	ABP N83 303142
YB-89	ABP N83 303491
273239	ABP N83 303711
274223	ABP N83 303012
274224	ABP N83 303252
274226	ABP N83 303082
274228	ABP N83 303121
274228	ABP N83 303151
274229	ABP N83 303011
274234	ABP N83 303002
274257	ABP N83 303061
274262	ABP N83 303051
Navistar (IHC) P/N	**Alliance P/N**
111631-C91*	ABP N83 303012
1140568-C91	ABP N83 303342
143405-C91	ABP N83 303012
1647566C91	ABP N83 303252
1647566C91**	ABP N83 303082
165129C91	ABP N83 303252
165129C91*	ABP N83 303082
165338C91	ABP N83 303252
1653480C91	ABP N83 303051
1653480C92	ABP N83 303221
1653480C92*	ABP N83 303082
1669745C91	ABP N83 303142
1669746C91**	ABP N83 303432
1676647C91	ABP N83 303532
1676647C91**	ABP N83 303082
1676659C91	ABP N83 303021
1676660C91**	ABP N83 303011
1687780C91	ABP N83 303007
1687780C92*	ABP N83 303287
1687801-C91	ABP N83 303012
1687819-C91	ABP N83 303082
1691736C1	ABP N83 303261
1691737C1*	ABP N83 303202
1818128C1	ABP N83 303307
1818128C2**	ABP N83 303307
2016403C2	ABP N83 303431
2016403C2*	ABP N83 303221
393681C91	ABP N83 303711
395083C91	ABP N83 303011
400728C91	ABP N83 303142

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CLUTCH CROSS REFERENCE

Navistar (IHC) P/N	Alliance P/N
416095C91	ABP N83 303142
425450C92	ABP N83 303432
434668C91	ABP N83 303051
481800C91**	ABP N83 303051
481800C91**	ABP N83 303221
481802C91	ABP N83 303011
481803C91*	ABP N83 303002
481804C91*	ABP N83 303082
481805C91*	ABP N83 303142
481806C91*	ABP N83 303432
481807C91	ABP N83 303051
481808C91*	ABP N83 303432
4818100C91	ABP N83 303221
4818106C91	ABP N83 303432
482808C91	ABP N83 303252
576625C91	ABP N83 303282
6504-6310	ABP N83 303012
6514-6210	ABP N83 303282
653480C91*	ABP N83 303051
653480C91*	ABP N83 303221
653480C91*	ABP N83 303491

Ogura P/N	Alliance P/N
501076	ABP N83 303042
501215	ABP N83 303252
501280	ABP N83 303001
501316	ABP N83 303062
501939	ABP N83 303082
502393	ABP N83 303011
502406	ABP N83 303491
502409	ABP N83 303051
502730	ABP N83 303061
502731	ABP N83 303071
502736	ABP N83 303002
502737	ABP N83 303121
502740	ABP N83 303151
503272	ABP N83 303112
503887	ABP N83 303201
506079	ABP N83 303342
507783	ABP N83 303082
508888	ABP N83 303221
509285	ABP N83 303282
511204	ABP N83 303142
511869	ABP N83 303261
513352	ABP N83 303007
515378	ABP N83 303307
515528	ABP N83 303431
515825	ABP N83 303711
517458	ABP N83 303301
518199	ABP N83 303202
518484	ABP N83 303711
518521	ABP N83 303252
522583	ABP N83 303187

Ogura P/N	Alliance P/N
522584	ABP N83 303317
332334	ABP N83 303012
332639*	ABP N83 303252
332639*	ABP N83 303022
501075	ABP N83 303342
501939	ABP N83 303082
508995	ABP N83 303231
509286*	ABP N83 303132
511199	ABP N83 303432
511487*	ABP N83 303202
511488*	ABP N83 303241
513774*	ABP N83 303252
513774*	ABP N83 303082
515376	ABP N83 303307
515528*	ABP N83 303711
516947*	ABP N83 303182
516952*	ABP N83 303192
517721	ABP N83 303027
520226	ABP N83 303007
520636*	ABP N83 303187
522583*	ABP N83 303277
CH 4.9A1G	ABP N83 303261
CH 5 1/4A2G	ABP N83 303202
CHRA 01	ABP N83 303182
CHRA 04	ABP N83 303192
DKA3 23X*	ABP N83 303241
L50-2393	ABP N83 303011
L50-2409	ABP N83 303051
L50-2730	ABP N83 303061
L50-2731	ABP N83 303071
L50-2736	ABP N83 303002
L50-2737	ABP N83 303121
L50-2740	ABP N83 303151
MA 5 1/2A1G	ABP N83 303541
MA 5 7/8M	ABP N83 303062
MA 6 3/4ASX	ABP N83 303001
MA 6A 24V	ABP N83 303042
MA 6A*	ABP N83 303252
MA 6A*	ABP N83 303022
MA 6A-2	ABP N83 303042
MA 6AX	ABP N83 303252
MA 7A	ABP N83 303012
MA 7A 24V	ABP N83 303342
MA 8A	ABP N83 303252
MA 8A	ABP N83 303022
MA M11	ABP N83 303201
MA M13	ABP N83 303221
MA N01	ABP N83 303432
MA N02	ABP N83 303142
MA N03	ABP N83 303007
MA N05	ABP N83 303307
MA N06	ABP N83 303711

Ogura P/N	Alliance P/N
MA N06D	ABP N83 303431
MAE 6AR	ABP N83 303082
MAE MG01	ABP N83 303317
MAE MG07	ABP N83 303187
MAE MG07*	ABP N83 303277
MA-N03AM	ABP N83 303252
MA-N03D^	ABP N83 303007
MAW 5A	ABP N83 303112
MS 5-1/2A 10	ABP N83 303231
MS 5-1/4A2G	ABP N83 303282
MS 5-1/4MG01EX	ABP N83 303027
MS 5MG01E	ABP N83 303027
MS 6A 2G	ABP N83 303132

Peterbilt P/N	Alliance P/N
11-02441	ABP N83 303151
18-01210	ABP N83 303252
18-01212	ABP N83 303002
18-01222*	ABP N83 303252
18-01822	ABP N83 303151
18-01843	ABP N83 303071
18-01866*	ABP N83 303012
18-02441*	ABP N83 303151
18-02570*	ABP N83 303002
18-02572	ABP N83 303082
18-02572	ABP N83 303252
18-02573	ABP N83 303011

Pitts P/N	Alliance P/N
7531	ABP N83 303082
7873	ABP N83 303151
10581	ABP N83 303061
10582	ABP N83 303071
10586	ABP N83 303011
10591	ABP N83 303002
10592	ABP N83 303121
10595	ABP N83 303151
11212	ABP N83 303342
14190	ABP N83 303051
14192	ABP N83 303082
14193	ABP N83 303432
14195	ABP N83 303307
14216	ABP N83 303142
14262	ABP N83 303051
14304	ABP N83 303287
14533*	ABP N83 303221
7551*	ABP N83 303252
7551*	ABP N83 303082

Sanden P/N	Alliance P/N
4417-9931	ABP N83 303387
4424-9931	ABP N83 303422
4426-9931	ABP N83 303422
4428-9931	ABP N83 303492
4603-6871**	ABP N83 303492

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CLUTCH CROSS REFERENCE

Sanden P/N	Alliance P/N
4606-6871	ABP N83 303387
4645-9931	ABP N83 303207
4667-9931	ABP N83 303387
4694-9931	ABP N83 303492
4695-9931*	ABP N83 303422
4704-9930	ABP N83 303422
4705-9930	ABP N83 303387
4705-9931	ABP N83 303387
4740-9931	ABP N83303402
4700-9931	ABP N83 303767
4734-6010*	ABP N83 303157
4734-6880**	ABP N83 303157
4734-9931	ABP N83 303387
4752-9931	ABP N83 303492
4819-9931	ABP N83 303422
4895-9931	ABP N83 303767
4896-9931*	ABP N83 303492
6504-6010	ABP N83 303422
6504-6010**	ABP N83 303482
6504-6010**	ABP N83 303492
6506-6010	ABP N83 303421
6511-6110	ABP N83 303232
6512-6210	ABP N83 303207
6514-6210	ABP N83 303282
6519-6010	ABP N83 303282
6519-6210	ABP N83 303302
6520-6010	ABP N83 303037
6521-6010	ABP N83 303491
6522-6010	ABP N83 303397
6524-6010	ABP N83 303257
6560-6010	ABP N83 303232
6563-6010	ABP N83 303037
6565-6210	ABP N83 303491
6574-6210	ABP N83 303282
6575-6310	ABP N83 303282
6577-6210	ABP N83 303302
6593-6010	ABP N83 303157
6594-6010	ABP N83 303482
7730-9930	ABP N83 303157
8398-6230	ABP N83 303282
8515-6410	ABP N83 303282
8515-6411	ABP N83 303282
8517-6010	ABP N83 303282
8517-6014	ABP N83 303282
8527-6410	ABP N83 303302
8536-6410	ABP N83 303302
8536-6411	ABP N83 303302
9033-9900	ABP N83 303397
9313-6010	ABP N83 303301
9326-6010	ABP N83 303027
9353-6010	ABP N83 303232
9425-6010	ABP N83 303257

Sanden P/N	Alliance P/N
9425-6210	ABP N83 303257
Seltec P/N	**Alliance P/N**
(A6V, R7L, C8L)	ABP N83 303232
(A7L, R9M, C8L)	ABP N83 303257
324-19721*	ABP N83 303202
524-19718	ABP N83 303261
524-19721	ABP N83 303371
524-19724	ABP N83 303202
624-19709	ABP N83 303357
624-19718	ABP N83 303261
624-19719	ABP N83 303371
624-19725	ABP N83 303452
624-19732	ABP N83 303367
624-19736	ABP N83 303202
624-19740	ABP N83 303472
624-19749	ABP N83 303462
624-19751	ABP N83 303377
Truck Air P/N	**Alliance P/N**
02-0200	ABP N83 303282
02-0401	ABP N83 303441
02-0404	ABP N83 303711
02-0416*	ABP N83 303707
02-0420*	ABP N83 303717
02-0421*	ABP N83 303727
02-0422	ABP N83 303711
02-0426	ABP N83 303737
02-0427	ABP N83 303541
02-0429*	ABP N83 303541
02-0431**	ABP N83 303482
02-0431**	ABP N83 303492
02-0602*	ABP N83 303422
02-0800*	ABP N83 303491
02-0802	ABP N83 303221
02-0803*	ABP N83 303142
02-0804*	ABP N83 303287
02-0804*	ABP N83 303007
02-0805	ABP N83 303307
02-0806	ABP N83 303431
02-1002*	ABP N83 303422
02-1602	ABP N83 303482
02-1604	ABP N83 303482
02-2034	ABP N83 303261
02-2034	ABP N83 303261
02-3000*	ABP N83 303012
02-3001	ABP N83 303252
02-3002	ABP N83 303082
02-3003	ABP N83 303432
02-3004	ABP N83 303151
02-3005	ABP N83 303011
02-3007	ABP N83 303071
02-3009	ABP N83 303002
02-3011	ABP N83 303121

Truck Air P/N	Alliance P/N
02-3021	ABP N83 303061
02-3024	ABP N83 303142
02-3026	ABP N83 303051
02-3036	ABP N83 303202
02-3039	ABP N83 303261
02-3044	ABP N83 303202
02-3050	ABP N83 303342
02-3058*	ABP N83 303367
02-3060*	ABP N83 303711
02-3063	ABP N83 303232
02-3064	ABP N83 303282
02-3065	ABP N83 303282
02-3067	ABP N83 303302
02-3078	ABP N83 303037
02-3079	ABP N83 303037
02-3088	ABP N83 303491
02-3402	ABP N83 303082
02-3416*	ABP N83 303277
02-3416*	ABP N83 303187
02-3418	ABP N83 303317
02-3419	ABP N83 303287
02-3420*	ABP N83 303277
02-3426	ABP N83 303051
02-3427	ABP N83 303221
02-3438	ABP N83 303057
02-3440*	ABP N83 303462
02-3464	ABP N83 303012
02-3469	ABP N83 303491
02-3470	ABP N83 303302
Volvo White - Western Star P/N	**Alliance P/N**
176312	ABP N83 303112
176313	ABP N83 303231
176314	ABP N83 303282
176322	ABP N83 303027
176326	ABP N83 303201
176327	ABP N83 303307
176329	ABP N83 303151
176332	ABP N83 303121
176455	ABP N83 303012
176459	ABP N83 303002
176462	ABP N83 303202
176464	ABP N83 303371
176465	ABP N83 303202
176466	ABP N83 303261
176468	ABP N83 303342
176470	ABP N83 303252
176472	ABP N83 303062
1763144	ABP N83 303302
3093417	ABP N83 303187
3949292	ABP N83 303082
3949293	ABP N83 303221
3949294	ABP N83 303142

Cross References are for reference only. Check manufacturer specifications/applications prior to installation
* Check specifications, may not be an exact interchange
** Check plug connection, plugs available per Electrical Connector Assembly Kit, ABP N83 322842.
\+ LS, Limited to stock on hand

CLUTCH CROSS REFERENCE

Volvo White - Western Star P/N	Alliance P/N
3949295	**ABP N83 303007**
3949296	**ABP N83 303711**
3949300	**ABP N83 303431**
3949312	**ABP N83 303082**
3949313	**ABP N83 303051**
02-7001224	**ABP N83 303002**
02-7010496	**ABP N83 303071**
02-7074272	**ABP N83 303012**
02-7076135	**ABP N83 303061**
02-7089233	**ABP N83 303012**
02-7104445	**ABP N83 303082**
02-7135903	**ABP N83 303151**
30-3032345	**ABP N83 303082**
30-3353680	**ABP N83 303082**
31160-7760*	**ABP N83 303012**
31181-2664-1	**ABP N83 303012**
524-19724	**ABP N83 303202**
61103-0017	**ABP N83 303252**
61103-0019	**ABP N83 303082**
61103-0019*	**ABP N83 303252**

Volvo White - Western Star P/N	Alliance P/N
61103-0020	**ABP N83 303252**
61103-0024	**ABP N83 303252**
61103-0044	**ABP N83 303061**
61103-3606	**ABP N83 303012**
61103-5002	**ABP N83 303252**
61103-5007	**ABP N83 303491**
61103-5502	**ABP N83 303252**
61103-5507	**ABP N83 303491**
891422B	**ABP N83 303151**
892881A	**ABP N83 303031**
89288ZA	**ABP N83 303282**
A01-22964	**ABP N83 303082**
V1110151	**ABP N83 303491**
V1110272	**ABP N83 303282**
V1110306	**ABP N83 303252**
V1110306	**ABP N83 303082**
V8889022	**ABP N83 303011**

Warner P/N	Alliance P/N
1406-19	**ABP N83 303151**
1406-21	**ABP N83 303252**

Warner P/N	Alliance P/N
1406-32	**ABP N83 303121**
1406-34	**ABP N83 303071**
1406-39	**ABP N83 303061**
1406-43	**ABP N83 303002**
1406-70	**ABP N83 303441**
1411-15	**ABP N83 303012**
1411-36	**ABP N83 303051**
1411-67	**ABP N83 303252**
1411-70	**ABP N83 303011**
1411-72	**ABP N83 303012**
1413-88	**ABP N83 303711**
1413-89	**ABP N83 303541**
1413-99	**ABP N83 303707**
1416-17	**ABP N83 303717**
1416-18	**ABP N83 303727**
1436-2	**ABP N83 303012**
1466-35	**ABP N83 303051**
1466-72	**ABP N83 303061**

Cross References are for reference only. Check manufacturer specifications/applications prior to installation
* Check specifications, may not be an exact interchange
** Check plug connection, plugs available per Electrical Connector Assembly Kit, ABP N83 322842.
\+ LS, Limited to stock on hand

NOTES

COMPRESSORS 4

Did You Know...

Poor system performance may be due to faulty compressor reed valves.

Service Tip:

An internal hissing sound immediately after compressor shutdown indicates high side to low side pressure leakage. With manifold gauges attached, readings showing lower than normal discharge pressures and high suction pressures or a rapid stabilization of gauge readings shortly after shutdown indicate leaking reed valves or head gasket.

GET ORIENTED...

To Bench Test Compressor Suction and Discharge Pressures.

1. Grasp clutch hub and Rotate compressor by hand. At the same time plug discharge port only with thumb or palm of hand. The compressor should begin to build discharge pressure while rotating.

2. Plug suction port and repeat the above step to confirm presence of suction pressure.

Note: Absence of suction and/or discharge pressure.

Clutch Specifications

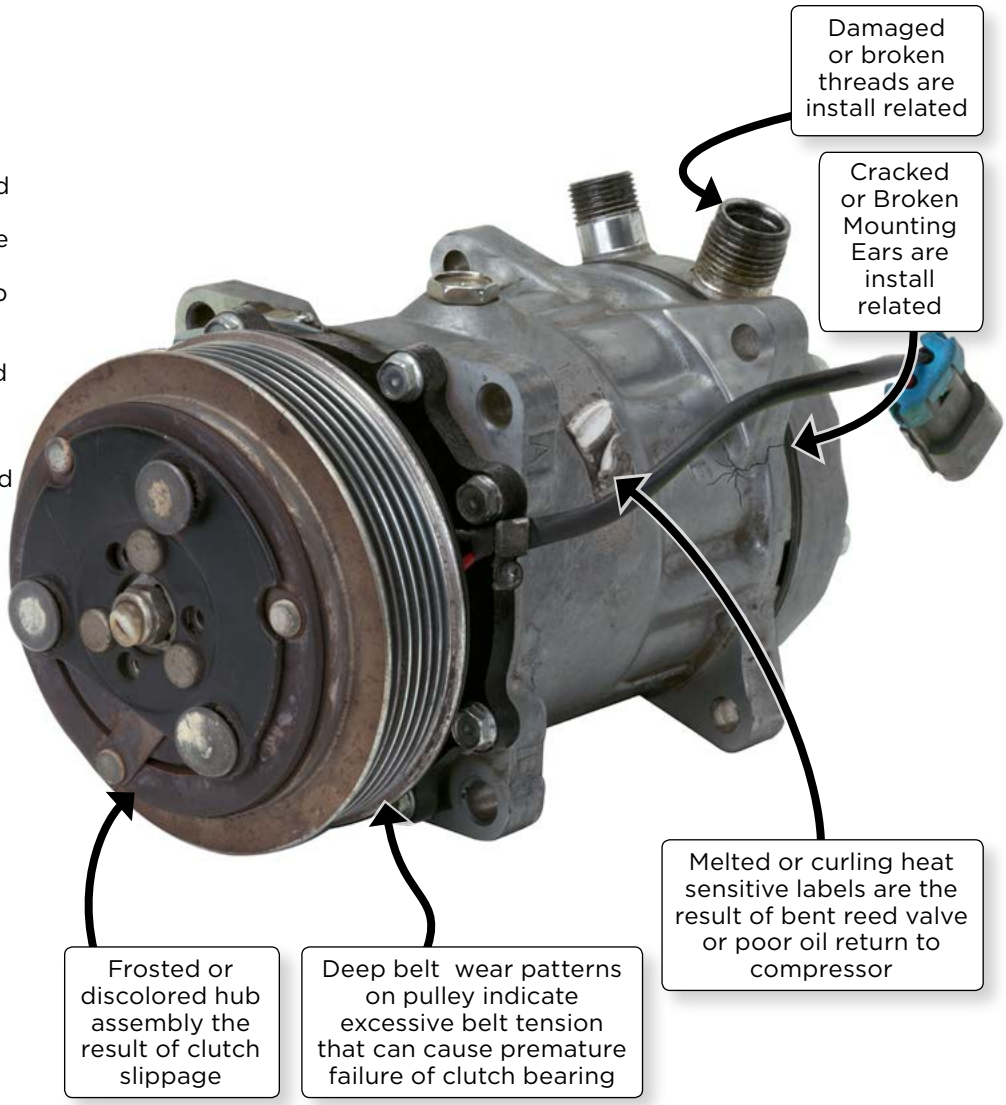
12 Volt clutch

Amperage draw
2.5 to 3 amps

Pull - in voltage
6 - 7 VDC

Working voltage
10.5 VDC

Note: less than 10.5 volts supplied to clutch coil during compressor operation will result in clutch slippage and eventual failure.



WHAT TO LOOK FOR & HOW IT LOOKS

In a properly maintained air conditioning system, defects in materials or workmanship will typically surface shortly after the system has been put into service. Refer to oil table below for oil color and system condition.

	Things to check before accepting	Explanation
1	Mounting Ears	Fractured or broken compressor mount ears are install related, non-warrantable condition.
2	Heat Sensitive Labels	Overheat condition : Melted labels due to lack of oil return or bent reed valves due to liquid slugging, non-warrantable condition.
3	Compressor Rotation	Check compressor rotation for intermittent catches or seized condition.
4	Oil Level	Remove oil plug, there should be ½ to 1 ounce of oil left in compressor to perform oil inspection.
5	Oil Color and Condition	See oil color table shown below for compressor acceptance criteria.
6	Internal Center Ball Condition (Sanden Only) view through drain plug hole	Normal: Should be chrome color with no signs of discoloration from heat or gauling. Discolored center ball is generally the result of poor oil return to the compressor.
7	Clutch Hub (non-seized compressor only)	Should be no signs of frosting or discoloration from clutch slippage. Clutch slippage is the result of insufficient voltage, poor compressor ground, liquid slugging or rapid cycling, all are non-warrantable conditions.
8	No Suction or Discharge Pressure	Caused by bent or broken reed valves; non-warrantable.
9	Clutch "V" groove area	Deep belt wear patterns indicate excessive belt tension that can cause premature failure of clutch bearing.
10	Clutch Bearing	Rotation should be smooth with no rough spots.
11	Clutch pulley	Check for run-out should rotate truly with no visible wobble.
12	Suction/ Discharge Port	Damaged or broken threads are install related.

Return Status	Oil Color	System Condition
Warrantable	**Clear**	Normal
Warrantable	**Clear Green**	Leak detection dye is present in oil
Warrantable	**Yellow**	Moisture may be present in A/C system
Warrantable	**Grey**	Normal failure, wear material from failed component suspended in compressor oil.
Non-Warrantable Condition	**Amber**	System contaminated and acidic. Contains copper ions from coils in evaporator and condenser.
Non-Warrantable Condition	**Black**	System contaminated, oil has turned black due to presence of carbon sediment caused by severely acidic system.

WARRANTABLE

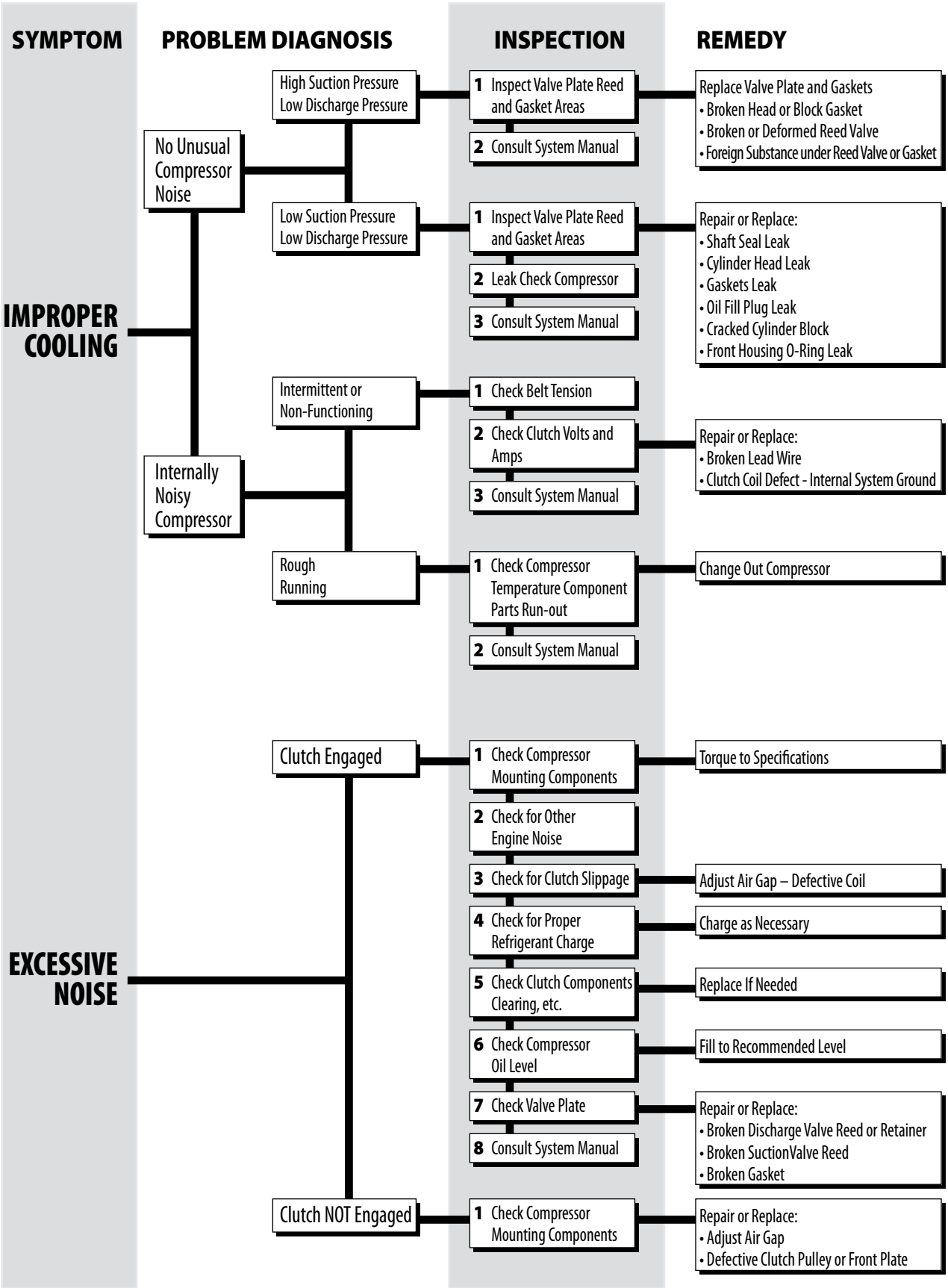
Clear **Clear Green** **Yellow** **Gray**



NON-WARRANTABLE

Amber **Black**

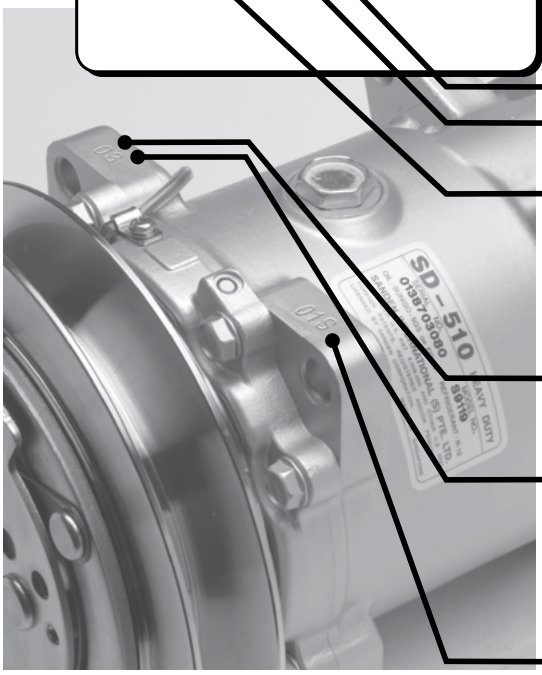



SYMPTOM
PROBLEM DIAGNOSIS
INSPECTION
REMEDY
IMPROPER COOLING
No Unusual Compressor Noise
High Suction Pressure Low Discharge Pressure
1 Inspect Valve Plate Reed and Gasket Areas
2 Consult System Manual
Replace Valve Plate and Gaskets
• Broken Head or Block Gasket
• Broken or Deformed Reed Valve
• Foreign Substance under Reed Valve or Gasket
Low Suction Pressure Low Discharge Pressure
1 Inspect Valve Plate Reed and Gasket Areas
2 Leak Check Compressor
3 Consult System Manual
Repair or Replace:
• Shaft Seal Leak
• Cylinder Head Leak
• Gaskets Leak
• Oil Fill Plug Leak
• Cracked Cylinder Block
• Front Housing O-Ring Leak
Internally Noisy Compressor
Intermittent or Non-Functioning
1 Check Belt Tension
2 Check Clutch Volts and Amps
3 Consult System Manual
Repair or Replace:
• Broken Lead Wire
• Clutch Coil Defect - Internal System Ground
Rough Running
1 Check Compressor Temperature Component Parts Run-out
2 Consult System Manual
Change Out Compressor
EXCESSIVE NOISE
Clutch Engaged
1 Check Compressor Mounting Components
Torque to Specifications
2 Check for Other Engine Noise
3 Check for Clutch Slippage
Adjust Air Gap – Defective Coil
4 Check for Proper Refrigerant Charge
Charge as Necessary
5 Check Clutch Components Clearing, etc.
Replace If Needed
6 Check Compressor Oil Level
Fill to Recommended Level
7 Check Valve Plate
Repair or Replace:
• Broken Discharge Valve Reed or Retainer
• Broken SuctionValve Reed
• Broken Gasket
8 Consult System Manual
Clutch NOT Engaged
1 Check Compressor Mounting Components
Repair or Replace:
• Adjust Air Gap
• Defective Clutch Pulley or Front Plate

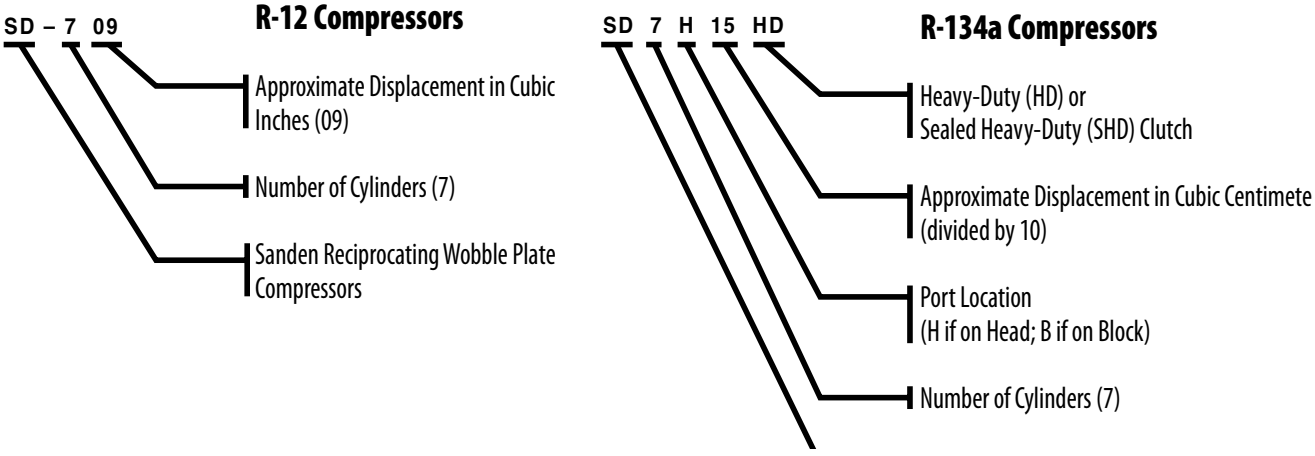
IDENTIFYING SANDEN COMPRESSORS

The metal nameplate located at the top front of the compressor serves as a means of identification. There are also numbers stamped on the mounting ears that indicate manufacturing dates.

Data inscribed on the nameplate includes the serial number, combination model/part number and the date of manufacture.



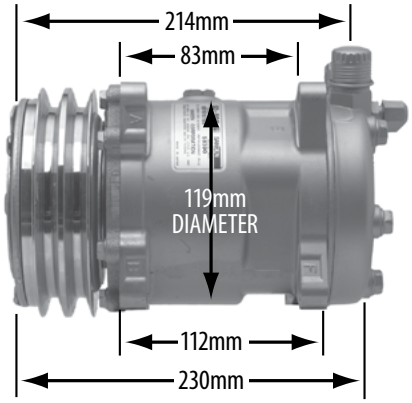
SANDEN COMPRESSORS NOMENCLATURE

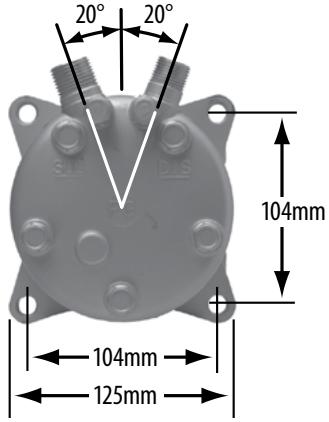


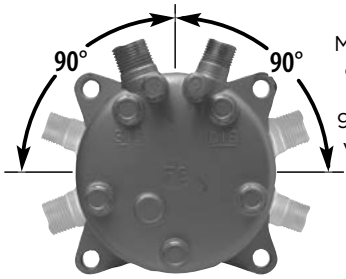
SD510

SPECIFICATIONS	
Bore	1.378 in. (35mm)
Stroke	1.13 in. (28mm)
Displacement per Revolution	8.42 cu. in. (138cc)
Number of Cylinders	5
Maximum Allowable Continuous R.P.M. Normal Operating Conditions)	5,000
Refrigerant	R 134A
Oil (SP20)	7 fl. oz. (207cc)
Weight	11.24 lbs (5.1 kg)
Rotation	Clockwise









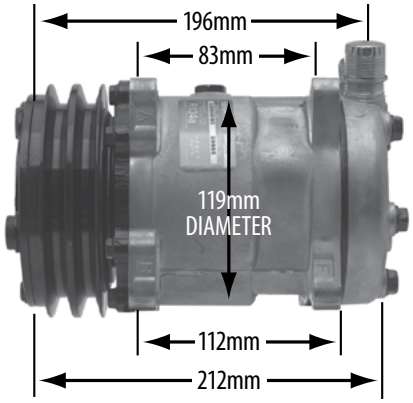
Mounting options up to 90° from vertical.

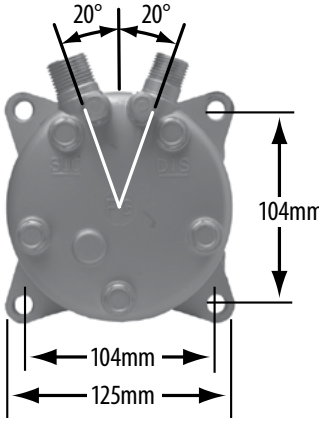
NOTE: Photos at left and above are shown with one of several options for clutches and cylinder head.

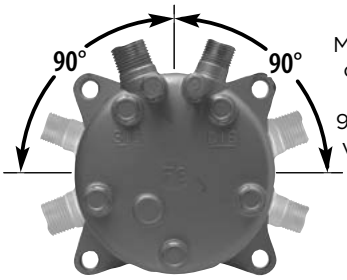
SD5H14

SPECIFICATIONS	
Bore	1.417 in. (36mm)
Stroke	1.25 in. (31.7mm)
Displacement per Revolution (161cc)	9.82 cu. in.
Number of Cylinders	5
Maximum Allowable Continuous R.P.M. Normal Operating Conditions)	5,000
Refrigerant	R-12
Oil (PAG)	7 fl. oz. (207cc)
Weight	11.24 lbs (5.1 kg)
Rotation	Clockwise







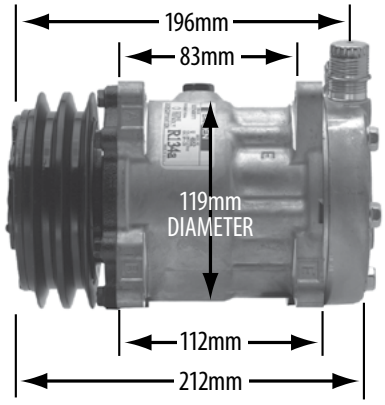


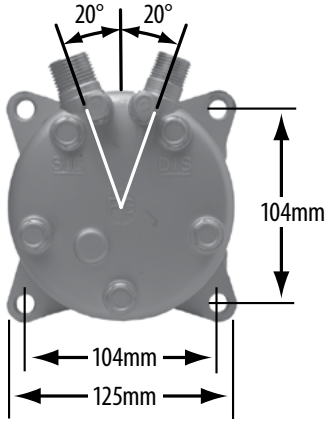
NOTE: Photos at left and above are shown with one of several options for clutches and cylinder head.

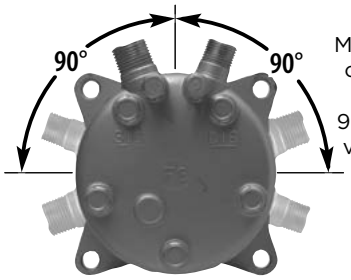
SD709 & SD7H15

SPECIFICATIONS	
Bore	1.153 in. 29mm
Stroke	1.29 in. 33mm
Displacement per Revolution	9.5 cu. in. 155cc
Number of Cylinders	7
Maximum Allowable Continuous R.P.M. (Normal Operating Conditions)	6,000
Refrigerant	R-12/134A
Oil (SUNISO 5GS/SP20)	4.6 fl. oz. (135cc)
Weight	16.4 LB. 7.4 kg.
Rotation	Clockwise









Mounting options up to 90° from vertical.

NOTE: Photos at left and above are shown with one of several options for clutches and cylinder head.

SANDEN'S FLEXIBLE COMPRESSOR SERIES

FLX7 Features & Benefits

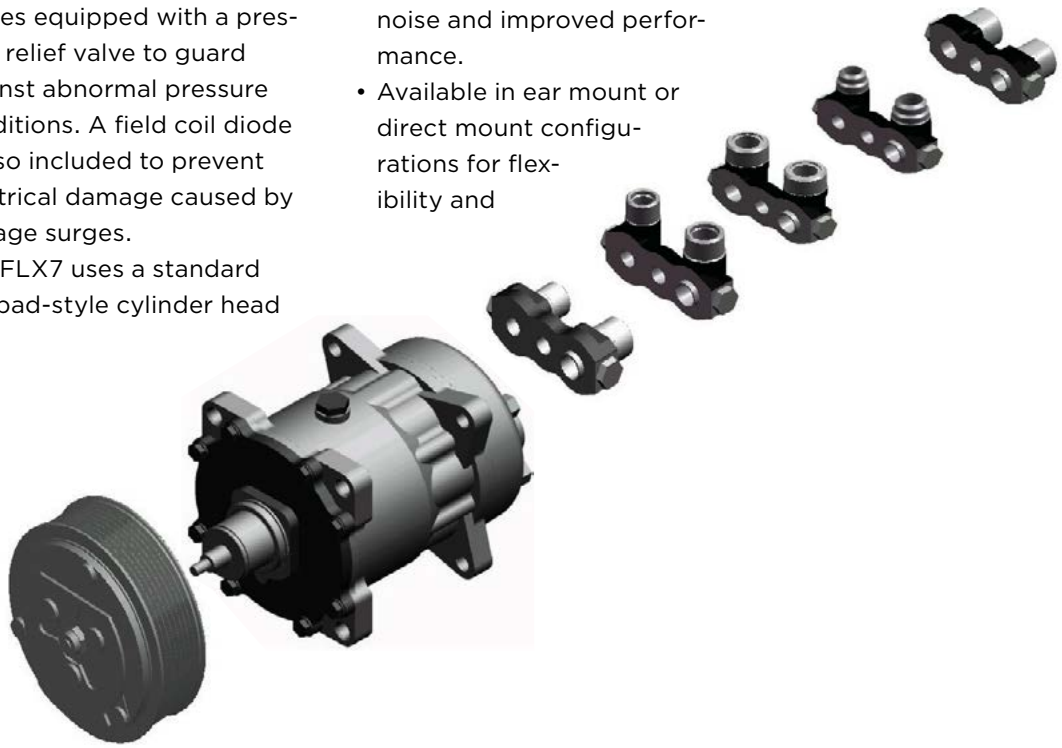
- The FLX7 utilizes interchangeable parts to increase flexibility and adaptability to a variety of vehicle applications. FLX7 compressors come standard with enhanced features previously found only on premium compressors. Features and benefits include:
- A variety of clutch rotor configurations: single, double, sealed heavy-duty and multi-groove rotors are available in 12 and 24 volt options.
- Each FLX7 comes with both a bullet and a sealed Packard clutch lead wire terminal for application flexibility.
- For protection, every FLX7 comes equipped with a pressure relief valve to guard against abnormal pressure conditions. A field coil diode is also included to prevent electrical damage caused by voltage surges.
- The FLX7 uses a standard GM pad-style cylinder head which receives a variety of port fittings ready to accommodate vertical and horizontal hose attachment. The port fittings are sold separately from the compressor, allowing the user to adapt a single compressor to fit many applications.
- Each port fitting is made of forged steel for superior strength vs. cast iron fittings.

SD7H15 Durability

- The FLX7 starts with the same SD7H15 compressor known throughout the automotive industry for its performance and durability.
- Seven cylinders for reduced operating pulsations, reduced noise and improved performance.
- Available in ear mount or direct mount configurations for flexibility and adaptability over a broad range of applications.
- Superior lubricating system for increased durability and high temperature performance.
- Heavy-duty bearing to handle higher pressures and loads.
- Shaft seal for greater leak protection and durability.

Typical Applications

- FLX7 are designed for use with:
- Light Passenger Vehicles
- Medium Duty and Heavy Trucks
- Construction Vehicles
- Agricultural Vehicles
- Passenger Buses

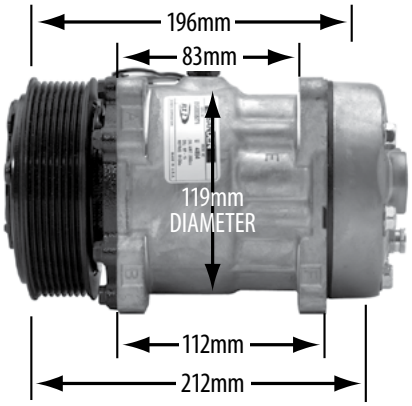


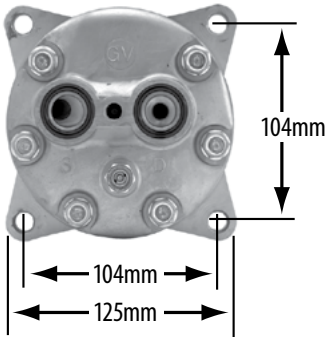
FLX7

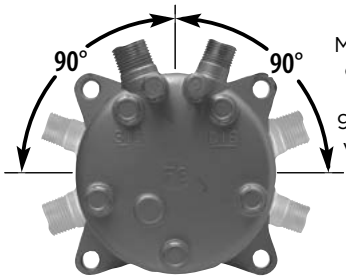
SPECIFICATIONS	
Bore	1.153 in. (29mm)
Stroke	1.29 in. (33mm)
Displacement per Revolution	9.5 cu. in. (155cc)
Number of Cylinders	7
Maximum Allowable Continuous R.P.M. Normal Operating Conditions)	6,000
Refrigerant	R 134A
Oil (SP15)	6.75 fl. oz. (200cc)
Weight	16.4 lbs (7.4 kg)
Rotation	Clockwise



FLX 7







Mounting options up to 90° from vertical.

NOTE: Photos at left and above are shown with one of several options for clutches and cylinder head.

SANDEN FLX-7 REAR PORT FITTING ADAPTERS

ABP N83 305455
Horizontal "O" Ring
¾" X ⅞"



ABP N83 305465
Vertical "O" Ring
¾" X ⅞"



ABP N83 305475
Vertical "O" Ring
1" X 14



ABP N83 305485
Female Vertical Flare
¾" X ⅞"



ABP N83 305495
Horizontal "O" Ring
1" X 14



FLX7 REPLACEMENT PARTS

Sanden Part No.	FLX7 Replacement	FLX7 Head Adapter
4419	ABP N83 304094	NA
4420	ABP N83 304004	NA
4428	ABP N83 304094	ABP N83 305455
4434	ABP N83 304064	NA
4435	ABP N83 304074	ABP N83 305465
4447	ABP N83 304234	ABP N83 305475
4448	ABP N83 304244	NA
4501	ABP N83 304174	ABP N83 305475
4502	ABP N83 304164	ABP N83 305475
4506	ABP N83 304074	ABP N83 305465
4507	ABP N83 304074	ABP N83 305465
4508	ABP N83 304054	ABP N83 305465
4509	ABP N83 304064	ABP N83 305465
4510	ABP N83 304064	ABP N83 305465
4511	ABP N83 304034	ABP N83 305475
4513	ABP N83 304064	ABP N83 305495
4514	ABP N83 304014	ABP N83 305465
4515	ABP N83 304034	ABP N83 305465
4516	ABP N83 304044	ABP N83 305465
4519	ABP N83 304184	GM Pad
4521	ABP N83 304074	ABP N83 305495
4522	ABP N83 304014	ABP N83 305495
4523	ABP N83 304014	ABP N83 305495
4525	ABP N83 304064	ABP N83 305475
4526	ABP N83 304054	ABP N83 305495
4527	ABP N83 304074	ABP N83 305475
4529	ABP N83 304064	ABP N83 305475
4532	ABP N83 304114	ABP N83 305465
4536	ABP N83 304064	ABP N83 305455
4537	ABP N83 304074	ABP N83 305455
4600 SHD	ABP N83 304084	ABP N83 305465
4626	ABP N83 304094	ABP N83 305465
4627	ABP N83 304442	ABP N83 305465
4637	ABP N83 304084	ABP N83 305455
4638	ABP N83 304014	ABP N83 305495
4641	ABP N83 304004	ABP N83 305495
4643	ABP N83 304064	ABP N83 305475
4646	ABP N83 304064	ABP N83 305495
4647	ABP N83 304064	ABP N83 305465
4652	ABP N83 304582	ABP N83 305465
4663	ABP N83 304442	ABP N83 305465
4664	ABP N83 304064	ABP N83 305465
4665	ABP N83 304014	ABP N83 305465

Sanden Part No.	FLX7 Replacement	FLX7 Head Adapter
4666	ABP N83 304004	ABP N83 305455
4706	ABP N83 304442	ABP N83 305475
4707	ABP N83 304014	NA
4708	ABP N83 304442	NA
4709	ABP N83 304442	ABP N83 305455
4710	ABP N83 304014	ABP N83 305475
4711	ABP N83 304014	ABP N83 305465
4712	ABP N83 304014	ABP N83 305455
4741	ABP N83 304582	ABP N83 305465
4742	ABP N83 304582	ABP N83 305455
4743	ABP N83 304582	ABP N83 305475
4744	ABP N83 304582	ABP N83 305495
4745	ABP N83 304044	ABP N83 305465
4746	ABP N83 304034	ABP N83 305465
4747	ABP N83 304034	ABP N83 305475
4762	ABP N83 304024	ABP N83 305475
4763	ABP N83 304024	ABP N83 305475
4764	ABP N83 304024	ABP N83 305495
4765	ABP N83 304024	ABP N83 305455
4779	ABP N83 304442	ABP N83 305465
4860	ABP N83 304442	NA
4862	ABP N83 304582	NA
4864	ABP N83 304014	NA
4866	ABP N83 304024	NA
4867	ABP N83 304194	NA
4868	ABP N83 304034	NA
4869	ABP N83 304164	ABP N83 305465
4870	ABP N83 304044	NA
4871	ABP N83 304174	ABP N83 305475
4872	ABP N83 304054	NA
4874	ABP N83 304084	NA
4876	ABP N83 304214	NA
4877	ABP N83 304104	NA
4878	ABP N83 304184	GM Pad
4881	ABP N83 304114	NA
4882	ABP N83 304224	ABP N83 305485
5407	ABP N83 304244	ABP N83 305465
5413	ABP N83 304244	ABP N83 305465
5425	ABP N83 304164	ABP N83 305465
5754	ABP N83 304184	GM Pad
6626	ABP N83 304064	ABP N83 305465
6627	ABP N83 304074	ABP N83 305465
6629	ABP N83 304014	ABP N83 305465

FLX7 REPLACEMENT PARTS

Sanden Part No.	FLX7 Replacement	FLX7 Head Adapter
6630	ABP N83 304064	ABP N83 305455
6631	ABP N83 304064	ABP N83 305495
6632	ABP N83 304074	ABP N83 305495
6634	ABP N83 304074	ABP N83 305455
6642	ABP N83 304064	ABP N83 305475
6655	ABP N83 304014	ABP N83 305495
6656	ABP N83 304054	ABP N83 305465
6664	ABP N83 304064	ABP N83 305465
6665	ABP N83 304074	ABP N83 305465
6667	ABP N83 304074	ABP N83 305475
6667	ABP N83 304074	ABP N83 305495
6670	ABP N83 304054	ABP N83 305495
6671	ABP N83 304034	ABP N83 305475
6672	ABP N83 304044	ABP N83 305465
6673	ABP N83 304034	ABP N83 305465
6675	ABP N83 304014	ABP N83 305495
6676	ABP N83 304064	ABP N83 305455
6677	ABP N83 304064	NA
6678	ABP N83 304064	NA
6679	ABP N83 304114	ABP N83 305465
6680	ABP N83 304074	ABP N83 305455
7819	ABP N83 304442	ABP N83 305495
7822	ABP N83 304014	ABP N83 305495
8103	ABP N83 304014	ABP N83 305465
8104	ABP N83 304064	ABP N83 305465
8390	ABP N83 304234	ABP N83 305485
8396	ABP N83 304224	ABP N83 305485

Sanden Part No.	FLX7 Replacement	FLX7 Head Adapter
8399	ABP N83 304244	ABP N83 305485
9005	ABP N83 304234	ABP N83 305475
9026	ABP N83 304234	ABP N83 305495
9040	ABP N83 304234	ABP N83 305465
9103	ABP N83 304234	ABP N83 305485
9105	ABP N83 304244	ABP N83 305485
9114	ABP N83 304234	ABP N83 305475
9119	ABP N83 304164	ABP N83 305475
9120	ABP N83 304234	ABP N83 305465
9122	ABP N83 304174	ABP N83 305475
9125	ABP N83 304234	ABP N83 305495
9133	ABP N83 304244	ABP N83 305495
9137	ABP N83 304244	ABP N83 305475
9143	ABP N83 304244	ABP N83 305465
9263	ABP N83 304234	ABP N83 305475
9264	ABP N83 304234	ABP N83 305495
9265	ABP N83 304244	ABP N83 305495
9285	ABP N83 304234	ABP N83 305465
9505	ABP N83 304244	ABP N83 305475
9515	ABP N83 304234	ABP N83 305465
9519	ABP N83 304234	ABP N83 305475
9563	ABP N83 304234	NA
9674	ABP N83 304244	ABP N83 305465
9675	ABP N83 304164	ABP N83 305465
9676	ABP N83 304174	ABP N83 305465
9684	ABP N83 304184	NA
9689	ABP N83 304234	NA

FLX7 ORDERING GUIDE

R-134A

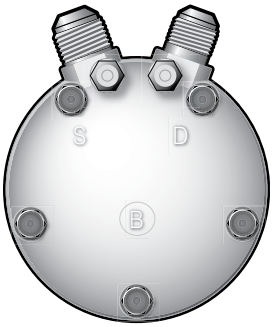
Alliance P/N	Displacement in Inches³	Model Type	Wire Connect	Volts	Mount Type	Clutch Type	Head Type	Sanden Part No.	Clutch Part No.
ABP N83 304 004	9.5	7H15 FLX	1	12	Direct	4 ¾" (119mm) Poly 8	GV	4420	**ABP N83 303397**
ABP N83 304014	9.5	7H15 FLX	1	12	Ear	4 ¾" (119mm) Poly 8	GV	4864	
ABP N83 304024	9.5	7H15 FLX	1	24	Ear	4 ¾" (119mm) Poly 8	GV	4866	
ABP N83 304034	9.5	7H15 FLX	1	12	Ear	6 ¼" (158mm) Var GR	GV	4868	
ABP N83 304044	9.5	7H15 FLX	1	24	Ear	6 ¼" (158mm) Var GR	GV	4870	
ABP N83 304054	9.5	7H15 FLX	1	12	Ear	5" (125mm) Poly 10	GV	4872	
ABP N83 304064	9.5	7H15 FLX	1	12	Ear	5 ¼" (132mm) 2A GR	GV	4434	
ABP N83 304074	9.5	7H15 FLX	1	24	Ear	5 ¼" (132mm) 2A GR	GV	4435	
ABP N83 304084	9.5	7H15 FLX	1	12	Ear	5 ¼" (133mm) Poly 8	GV	4874	
ABP N83 304094	9.5	7H15 FLX	1	12	Direct	5" (125mm) 2A GR	GV	4419	**ABP N83 303232**
ABP N83 304104	9.5	7H15 FLX	1	24	Ear	5 ½" (138mm) 1A GR	GV	4877	
ABP N83 304114	9.5	7H15 FLX	1	24	Ear	6" (152mm) 2A GR	GV	4881	
ABP N83 304442	9.5	7H15 FLX	1	12	Ear	5" (125mm) 2A GR	GV	4860	**ABP N83 303232**
ABP N83 304582	9.5	7H15 FLX	1	24	Ear	5" (125mm) 2A GR	GV	4862	

FLX 7 FITTINGS

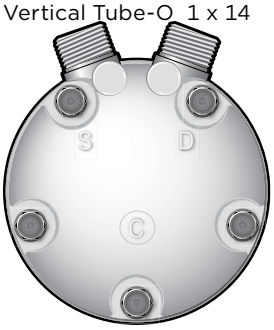
Red Dot No.	Description
ABP N83 305455	H ¾" X ⅞" Fitting
ABP N83 305465	V ¾" X ⅞" Fitting
ABP N83 305475	V 1" X ¼" Fitting
ABP N83 305485	V ¾" X ⅞" Flare Fitting
ABP N83 305495	H 1" X ¼" Fitting

CYLINDER HEAD CONFIGURATIONS

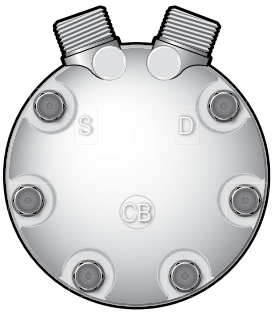
Type B
Vertical Flare ¾" x ⅞"



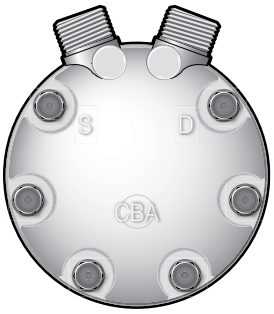
Type C
Vertical Tube-O 1 x 14



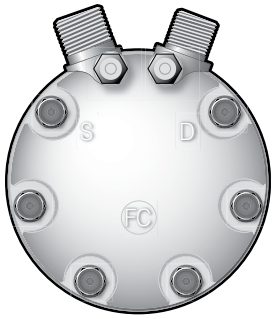
Type CB
Vertical Tube-O 1 x 14



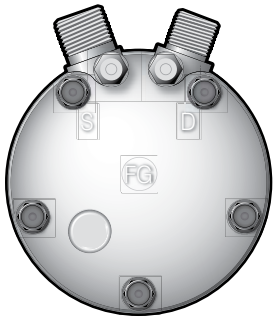
Type CBA
Vertical Tube-O 1 x 14



Type FC
Vertical O-Ring ¾" x ⅞"



Type FG
Vertical O-Ring ¾" x ⅞"



Type FL
Vertical O-Ring ¾" x ⅞"



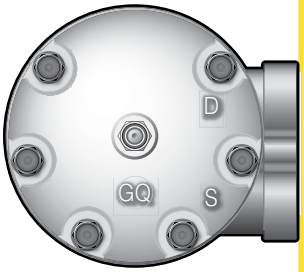
Type GH
Horizontal Pad ¾" x ⅞"



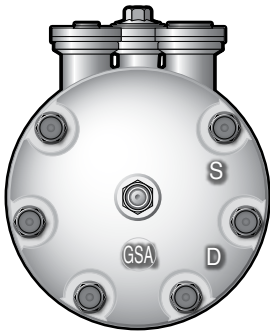
Type GK
Horizontal Pad
With Pressure Relief Valve



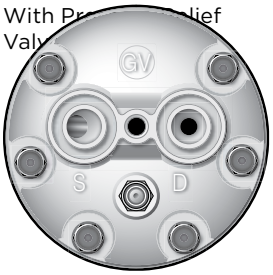
Type GQ
Lateral Pad ¾" x ⅞"



Type GSA
Vertical Pad ¾" x ⅞"



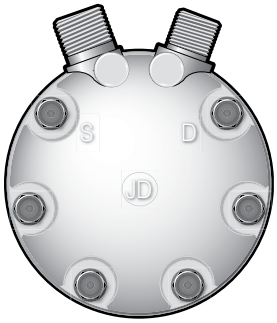
Type GV
Horizontal Pad ¾" x ⅞"
With Pr... lief
Valv...



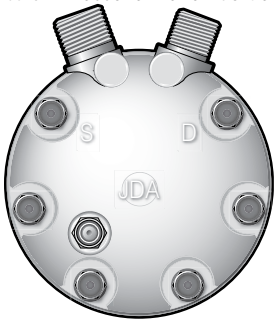
Type GWA
Horizontal Pad ¾" x ⅞"
With Pressure Relief Valve



Type JD
Vertical O-Ring ¾" x ⅞"



Type JDA
Vertical O-Ring ¾" x ⅞"
With Pressure Relief Valve



Type K
Horizontal O-Ring ¾" x ⅞"



CYLINDER HEAD CONFIGURATIONS

Type KC
Horizontal O-Ring ¾" x ⅞"



Type KCA
Lateral Pad ¾" x ⅞"
With Pressure Relief Valve



Type KG
Horizontal O-Ring ¾" x ⅞"
With Pressure Relief Valve



Type M
Horizontal Tube-O 1 x 14



Type MD
Horizontal Tube-O 1 x 14



Type MDA
Horizontal Tube "O" – 1x14
With Pressure Relief Valve



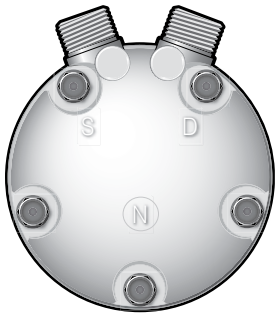
Type MJ
Horizontal Tube "O" – 1x14
With Pressure Relief Valve



Type MJA
Horizontal Tube-O 1 x 14



Type N
Vertical Tube-O ¾" x ⅞"



Type Q
Horizontal GM Pad



Type QD
Horizontal GM Pad M10



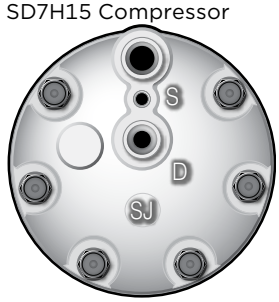
Type QH
Horizontal GM Pad



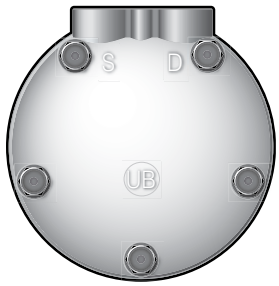
Type QM
Horizontal GM Pad



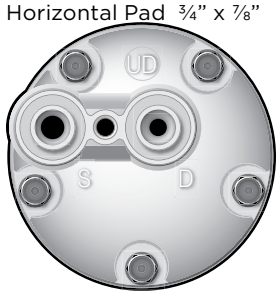
Type SJ
Horizontal Special Pad
SD7H15 Compressor



Type UB
Vertical Pad ¾" x ⅞"



Type UD
Horizontal Pad ¾" x ⅞"



CYLINDER HEAD CONFIGURATIONS

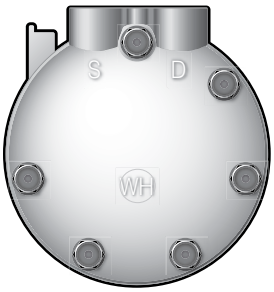
Type UK
Vertical Pad ¾" x ⅞"



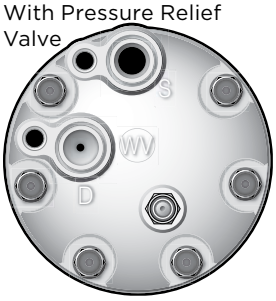
Type WJ
Vertical Pad ¾" x ⅞"



Type WH
Vertical Pad ¾" x ⅞"



Type WV
Horizontal Tab ¾" x ⅞"
With Pressure Relief Valve



NOTES

PART NUMBER CROSS REFERENCE

Sanden Part Number

Retrieve the Sanden part number from the label on the compressor body then find it's Red Dot counterpart on this table. For more information about a specific compressor review the following pages.



Sanden Part No.	Alliance Part No.
1027K8	ABP N83 304884
1027T6	ABP N83 304904
1027U3	ABP N83 304894
194696	ABP N83 304874
4039	ABP N83 304163
4040	ABP N83 304481
4042	ABP N83 304741
4060	ABP N83 304834
4075	ABP N83 304543S
4077	ABP N83 304324
4078	ABP N83 304199
4079	ABP N83 304764
4080	ABP N83 304993
4081	ABP N83 304458
4082	ABP N83 304455
4084	ABP N83 304456
4089	ABP N83 304774
4090	ABP N83 304435
4105	ABP N83 304436
4108	ABP N83 304437
4109	ABP N83 304438
4117	ABP N83 304445
4119	ABP N83 304675
4120	ABP N83 304446
4121	ABP N83 304447
4269	ABP N83 304443
4269	ABP N83 304864
4271	ABP N83 304122
4272	ABP N83 304362
4296U1	ABP N83 304682
4300	ABP N83 304374
4301	ABP N83 304504
4302	ABP N83 304544
4303	ABP N83 304434
4304	ABP N83 304444
4305	ABP N83 304454
4306	ABP N83 304503
4409	ABP N83 304844
4417	ABP N83 304543

Sanden Part No.	Alliance Part No.
4419	ABP N83 304094
4420	ABP N83 304004
4423	ABP N83 304444
4424	ABP N83 304163
4425	ABP N83 304481
4427	ABP N83 304753
4428	ABP N83 304503
4429	ABP N83 304803
4430	ABP N83 304573
4431	ABP N83 304823
4432	ABP N83 304741
4433	ABP N83 304173
4434	ABP N83 304064
4435	ABP N83 304074
4447	ABP N83 304234
4448	ABP N83 304244
4453	ABP N83 304833
4468	ABP N83 304714
4469	ABP N83 304474
4471	ABP N83 304073
4472	ABP N83 304803
4473	ABP N83 304573
4474	ABP N83 304773
4475	ABP N83 304103
4476	ABP N83 304063
4477	ABP N83 304823
4478	ABP N83 304065
4479	ABP N83 304721
4480	ABP N83 304424
4484	ABP N83 304173
4485	ABP N83 304543
4486	ABP N83 304484
4487	ABP N83 304353
4488	ABP N83 304083
4489	ABP N83 304264
4490	ABP N83 304534
4491	ABP N83 304093
4492	ABP N83 304893
4493	ABP N83 304634

PART NUMBER CROSS REFERENCE

Sanden Part No.	Alliance Part No.
4494	ABP N83 304624
4495	ABP N83 304833
4496	ABP N83 304753
4497	ABP N83 304043
4498	ABP N83 304514
4499	ABP N83 304364
4506	ABP N83 304122
4507	ABP N83 304122
4508	ABP N83 304682
4510	ABP N83 304102
4515	ABP N83 304132
4516	ABP N83 304142
4536	ABP N83 304362
4537	ABP N83 304443
4542	ABP N83 304672
4603	ABP N83 304474
4604	ABP N83 304714
4604	ABP N83 304824
4608	ABP N83 304334
4609	ABP N83 304065
4611	ABP N83 304264
4617	ABP N83 304303
4618	ABP N83 304672
4626	ABP N83 304095
4627	ABP N83 304125
4628	ABP N83 304293
4637	ABP N83 304055
4639	ABP N83 304102
4640	ABP N83 304721
4641	ABP N83 304323
4643	ABP N83 304303
4644	ABP N83 304102
4645	ABP N83 304313
4645	ABP N83 304953
4646	ABP N83 304843
4652	ABP N83 304105
4656	ABP N83 304714
4657	ABP N83 304334
4658	ABP N83 304721
4659	ABP N83 304273
4660	ABP N83 304344
4661	ABP N83 304424
4663	ABP N83 304283
4664	ABP N83 304102
4665	ABP N83 304333
4666	ABP N83 304263
4667	ABP N83 304973
4672	ABP N83 304873
4687	ABP N83 304053
4694	ABP N83 304193
4695	ABP N83 304095
4699	ABP N83 304093
4699	ABP N83 304524
4700	ABP N83 304664
4704	ABP N83 304043
4709	ABP N83 304883
4711	ABP N83 304432
4712	ABP N83 304304
4713	ABP N83 304853
4715	ABP N83 304213
4717	ABP N83 304574
4718	ABP N83 304753
4726	ABP N83 304353
4731	ABP N83 304163
4733	ABP N83 304634
4734	ABP N83 304063
4735	ABP N83 304073
4736	ABP N83 304083
4737	ABP N83 304014
4739	ABP N83 304394
4740	ABP N83 304173
4742	ABP N83 304294
4745	ABP N83 304404
4752	ABP N83 304093
4756	ABP N83 304103
4757	ABP N83 304624
4759	ABP N83 304741
4761	ABP N83 304893
4762	ABP N83 304912
4767	ABP N83 304484
4768	ABP N83 304364
4769	ABP N83 304504
4776	ABP N83 304113
4777	ABP N83 304574
4779	ABP N83 304584
4780	ABP N83 304594
4781	ABP N83 304614
4792	ABP N83 304481
4795	ABP N83 304374
4806	ABP N83 304514
4810	ABP N83 304183
4813	ABP N83 304514
4819	ABP N83 304573
4820	ABP N83 304913
4822	ABP N83 304403
4823	ABP N83 304253
4840	ABP N83 304544
4860	ABP N83 304442
4862	ABP N83 304582
4864	ABP N83 304014
4865	ABP N83 304154
4866	ABP N83 304024
4867	ABP N83 304194
4868	ABP N83 304034
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4870	ABP N83 304044
4871	ABP N83 304174
4872	ABP N83 304054
4874	ABP N83 304084
4875	ABP N83 304214
4877	ABP N83 304104
4878	ABP N83 304184
4881	ABP N83 304114
4882	ABP N83 304224
4883	ABP N83 304241
4885	ABP N83 304457
4890	ABP N83 304213
4891	ABP N83 304624
4892	ABP N83 304634
4893	ABP N83 304574
4894	ABP N83 304654
4895	ABP N83 304664
4896	ABP N83 304674
5072	ABP N83 304622
5077	ABP N83 304413
5080	ABP N83 304642
6372	ABP N83 304448
6613	ABP N83 304422
6627	ABP N83 304122
6630	ABP N83 304362
6634	ABP N83 304443
6656	ABP N83 304682
6664	ABP N83 304102
6665	ABP N83 304122
6672	ABP N83 304142
6673	ABP N83 304132
6676	ABP N83 304362
7409	ABP N83 304252
7621	ABP N83 304252
7803	ABP N83 304652
7804	ABP N83 304773
7819	ABP N83 304922
7822	ABP N83 304343
8103	ABP N83 304432
8104	ABP N83 304102
8105	ABP N83 304293
8107	ABP N83 304714
8108	ABP N83 304334
8109	ABP N83 304721
8144	ABP N83 304465
8174	ABP N83 304466
9684	ABP N83 304065

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304004	4420	12	7H15 FLX7	Direct Long	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304014	4737 4864	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304024	4866	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304034	4868	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304043	4497 4704	12	SD7H15	Ear	SJ	Horizontal Pad	Pad	**9.5**
ABP N83 304044	4870	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304053 **ABP N83 304383**	4687	12	SD7H15	Direct Long	CBA	Vertical Tube-O	**1" - 14**	**9.5**
ABP N83 304054	4872	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304055	4637	12	SD7H15SHD	Ear	KC	Horizontal O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304063	4476 4734	12	SD7H15	Ear	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304064	4434	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	9.5
ABP N83 304073	4471 4735	12	SD7H15	Ear	MDA	Horizontal Tube-O	1" - 14	**9.5**
ABP N83 304074	4435	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	9.5
ABP N83 304083	4488 4736	12	SD7H15	Ear	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304084	4874	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304093	4491 4699 4752	12	7H15	Direct Long	JD	Vertical O-Ring	**¾ x ⅞**	9.5
ABP N83 304094	4419	12	7H15 FLX7	Direct Long	GV	Horizontal Pad	**¾ x ⅞**	9.5
ABP N83 304095	4626 4695	12	SD7H15	Direct Long	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**



CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
4.7" (119mm) Poly 8	49mm	Female Weatherpak plus jumper	1	Key	4420-9931	**ABP N83 303397**
4.7" (119mm) Poly 8	34mm	Female Weatherpak plus jumper	1	Key	4420-9931	
4.7" (119mm) Poly 8	34mm	Female Weatherpak plus jumper	1	Key	4866-9931	
6 ¼" (158mm) Variable Groove	40mm	Female Weatherpak plus jumper	1	Key	4868-9930	
5 ¼" (132mm) A2 Groove	40mm	Ford OE (Yazaki)	2	Key	4704-9931	**ABP N83 303422**
6 ¼" (158mm) Variable Groove	40mm	Female Weatherpak plus jumper	1	Key	4870-9930	
4.9" (125mm) Poly 6	46mm	Weatherpak	1	Key	4687-9931 6571-6010	
4.9" (125mm) Poly 10	35mm	Female Weatherpak plus jumper	1	Key	4872-9930	
5 ¼" (133mm) Poly 8	34mm	Metripak (Male 280 series)	2	Key	6586-6010	
4.7" (119mm) Poly 8	46mm	Metripak	2	Key	4417-9931 4705-9931 4734-9931	**ABP N83 303387**
5 ¼" (132mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4434-9931	
5 ¼" (132mm) A2 Groove	40mm	Metripak	2	Key	4428-9931 4752-9931	**ABP N83 303492**
5 ¼" (132mm) A2 Groove	40mm	Female Weatherpak plus jumper	1		4435-9931	
5 ¼" (132mm) A2 Groove	40mm	Metripak	2	Key	4428-9931 4752-9931	**ABP N83 303492**
5 ¼" (133mm) Poly 8 with dust cover	33mm	Female Weatherpak plus jumper	1	Key	4874-9932	
5 ¼" (132mm) A2 Groove	55mm	Metripak	2	Key	4428-9931 4752-9931	**ABP N83 303492**
4.9" (125mm) A2 Groove	39mm	Female Weatherpak plus jumper	1	Key	4713-9930	**ABP N83 303232**
5 ¼" (132mm) A2 Groove	55mm	HD 280 series	1	Key	4626-9931 4780-9931 4896-9931 6511-6010	



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304102	4510 4664 6664 4639 4644 8104	12	SD7H15	Ear	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304103	4475 4756	12	SD7H15	Direct Long	CBA	Vertical Tube-O	**1" - 14**	9.5
ABP N83 304104	4877	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304105	4652	24	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304113 **ABP N83 304553**	4776 4421	12	SD7H15	Direct Long	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304114	4881	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304122	4506 4507 6627 6665 4271	24	SD5H14	Ear	FL	Vertical O-Ring	**¾ x ⅞**	**8.4**
ABP N83 304125	4627	12	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304132	4515 6673	12	SD5H14-HD	Ear	FL	Vertical O-Ring	**¾ x ⅞**	**8.4**
ABP N83 304134	4861	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304142	4516 6672	24	SD5H14-HD	Ear	FL	Vertical O-Ring	**¾ x ⅞**	**8.4**
ABP N83 304154	4865	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304163	4039 4424 4731	12	SD7H15	Direct Long	GSA	Lateral Pad	**¾ x ⅞**	**9.5**
ABP N83 304164	4869	12	SD7H15	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304173	4433 4484 4740	12	SD7H15	Ear	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304174	4871	24	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**

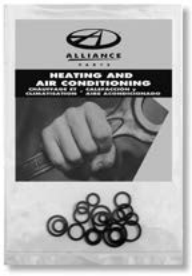


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
5 ¼" (132mm) A2 Groove	40mm	Female Weatherpak (IHC-Case)	1	Key	4647-9931 6511-6210	
4.9" (125mm) Poly 6	46mm	Metripak	2	Spline	4756-9931	
5 ½" (138mm) A1 Groove	40mm	Female Weatherpak plus jumper	1	Key	4877-9932	
4.9" (125mm) A2 Groove	40mm	HD 280 series	1	Key	6511-6310	**ABP N83 303722**
4.7" (119mm) Poly 8	49mm	Metripak	2	Spline	4776-9931	
6" (152mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4881-9930	
5 ¼" (132mm) A2 Groove	40mm	Bullet	1	Key	6519-6210	**ABP N83 303302**
4.9" (125mm) A2 Groove	40mm	HD 280 series	1	Key	4627-9931 4896-9931 4779-9931 6511-6110	
6 ¼" (158mm) Variable Groove	40mm	Bullet	1	Key	6521-6010	**ABP N83 303491**
4.9" (125mm) A2 Groove	24mm	Weatherpak	1	Key	4713-9930	
6 ¼" (158mm) Variable Groove	40mm	Bullet	1	Key	6521-6010 6521-6210	
4.7" (119mm) Poly 8	34mm	Female Weatherpak plus jumper	1	Key	4420-9931	
4.9" (125mm) Poly 6	46mm	Metripak	2	Spline	4756-9931	
6 ¼" (158mm) Variable Groove		Female Weatherpak plus jumper	1		4868-9930	
4.9" (125mm) A2 Groove	40mm	Metripak	2	Spline	4740-9931	
6 ¼" (158mm) Variable Groove	40mm	Female Weatherpak plus jumper	1	Key	4870-9930	



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304183	4810	12	SD7H15	Direct Long	WJ	Vertical Pad	¾ x ⅞ Female	9.5
ABP N83 304184	4878	24	SD7H15	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304193	4694	12	SD7H15	Ear	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304194	4867	24	7H15 FLX7	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304199	4078	12	SD7H15	Direct	GQ	Lateral Pad	Pad	9.5
ABP N83 304213	4715 4890	12	SD7H15	Direct Long	WV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304214	4875 4876	12	7H15 FLX7	Ear	GV	Horizontal Pad	Pad	9.5
ABP N83 304224	4882	24	7H15 FLX7	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304234	4447	12	7H15 FLX7	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304241	4883	12	SD7H15HD	Direct	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304244	4448	24	7H15 FLX7	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304253	4823	12	SD7H15	Direct	KC	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304263	4666	12	SD7H15	Direct Long	KC	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304264	4489 4611	24	SD7H15SHD	Ear	MD	Horizontal Tube-O	1" - 14	9.5
ABP N83 304273	4659	12	SD7H15	Ear	KC	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304283	4663	12	SD7H15	Ear	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304293	4628 8105	12	SD7H15	Direct Long	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304294	4742	24	SD7H15	Ear	KG	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304303	4617	12	SD7H15SHD	Ear	MD	Horizontal Tube-O	1" - 14	9.5
ABP N83 304304	4712	12	SD7H15	Ear	KG	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304313	4643	12	SD7H15	Ear	CB	Vertical O-Ring	1" - 14	9.5
ABP N83 304323	4641	12	SD7H15	Direct	MD	Horizontal O-Ring	1" - 14	9.5

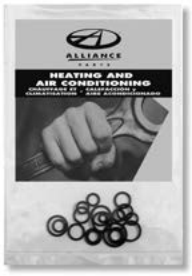


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
4.9" (125mm) Poly 6	46mm	Ford OE	2	Long Spline	4810-9931	
5 ½" (138mm) A1 Groove	40mm	Female Weatherpak plus jumper	1			
5 ¼" (132mm) A2 Groove	40mm	Metripak	2	Key	4694-9931 4896-9931 6594-6010	
4.7" (119mm) Poly 8	34mm	Female Weatherpak plus jumper	1			
4.9" (126mm) Poly 12	56mm	Metripak	2	Key		
5 ¼" (132mm) A2 Groove	55mm	Metripak	2	Key RDA	4694-9931 4896-9931 6594-6010	**ABP N83 303492**
5 ½" (138mm) A1 Groove	40mm	Female Weatherpak plus jumper	1	Key		
6" (152mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4881-9930	
5 ¼" (132mm) A2 Groove	40mm	Female Weatherpak plus jumper	1		4434-9931	
4.9" (125mm) Poly 6	46mm	Metripak	2	Key	4606-9630 4424-9931	
5 ¼" (132mm) A2 Groove	40mm	Female Weatherpak plus jumper	1		4435-9931	
5 ⅛" (130mm) Poly 8	44mm	HD 280 series	1	Spline	4781-9931	
4.7" (119mm) Poly 8	49mm	Bullet	1	Key	6522-6010	**ABP N83 303397**
6" (152mm) A2 Groove	40mm	Female Weatherpak (IHC-Case)	1	Key	4611-9931	
5 ⅛" (130mm) Poly 8	34mm	HD 280 series	1	Key	4659-9931 4895-9931	
4.9" (125mm) A2 Groove	40mm	Bullet	1	-	6560-6010	
4.7" (119mm) Poly 6	62mm	Bullet	1	Key	6516-6010	
4.9" (125mm) A2 Groove	40mm	HD plug	1	Key		
5 ¼" (132mm) A2 Groove	40mm	Bullet	1	Key	4617-9931 6585-6010	
4.7" (119mm) Poly 8	46mm	Bullet	1	Key	6522-6010	**ABP N83 303397**
5 ¼" (132mm) A2 Groove	36mm	Bullet	1	Key	4645-9931	
4.7" (119mm) Poly 6	55mm	Bullet	1	Key		



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304324	4077	12	SD7H15	Direct	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304333	4665	12	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304334	4608 4657 8108	12	SD7H15SHD	Ear	GK	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304343	7822	12	SD7H15	Ear	MD	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304344	4660	12	SD7H15	Ear	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304353	4487 4726	24	SD7H15SHD	Ear	GK	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304362	4536 6630 6676 4272	12	SD5H14	Ear	K	Horizontal O-Ring	**¾ x ⅞**	**8.4**
ABP N83 304364	4499 4768	12	SD7H15SHD	Direct Long	MD	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304374	4300 4795	24	SD7H15SHD	Direct Long	MD	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304394	4739	12	SD7H15	Ear	KG	Horizontal O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304403	4822	12	SD7H15	Direct Long	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304404	4745	24	SD7H15HD	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304413	5077	12	SD5H09	Ear	K	Horizontal O-Ring	**¾ x ⅞**	**5.5**
ABP N83 304424	4480 4661	12	SD7H15SHD	Ear	KC	Horizontal O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304432	4711 8103	12	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304434	4303	12	SD7H15	Direct	WH	Vertical Pad (U)	**¾ x ⅞**	**9.5**
ABP N83 304435	4090	12v	7H15SHD	Direct	KCA	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304436	4105U	12v	7H15HD	Direct	MD	Horizontal O-Ring	1 x 14	9.5

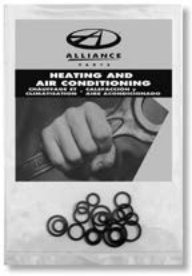


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
4.7" (119mm) Poly 8	49mm	Metripak	2	Key		
4.7" (119mm) Poly 7	36mm	Weatherpak	1	Key	6512-6210	
5 ½" (138mm) A1 Groove	40mm	Cat OE	2	Key	4608-9930 4608-9932 6506-6110	
4.7" (119mm) Poly 8	34mm	Bullet	1	Key	6522-6010	**ABP N83 303397**
4 ¾" (119mm) Poly 8	34mm	Female Weatherpak (IHC-Case)	1	Key	4660-9931 4672-9931 4895-9931	
5 ¼" (133mm) Poly 8	34mm	Cat OE	1	Key	4726-9931	
5 ¼" (132mm) A2 Groove	40mm	Bullet	1	Key	6519-6010	**ABP N83 303122 use ABP N83 303282**
6" (152mm) Poly 8	49mm	Female Weatherpak (IHC-Case)	1	Key	4768-9932	
6" (152mm) Poly 8	49mm	Female Weatherpak (IHC-Case)	1	Key	4795-9932	
4.7" (119mm) Poly 8	34mm	Metripak	2	Spline	4776-9931	
4.7" (119mm) Poly 8	49mm	Metripak	2	Key	4417-9931 4705-9931 4734-9931	**ABP N83 303387**
6 ¼" (158mm) Variable Groove	40mm	Bullet	1	Spline		
4.9" (125mm) A2 Groove	37mm	Bullet	1	Key	8543-6310 9053-9841	
5 ½" (138mm) A1 Groove	40mm	Weatherpak	2	Key	6590-6210	
4.7" (119mm) Poly 8	34mm	Bullet	1	Key	6522-6010	**ABP N83 303397**
4.7" (119mm) Poly 8	61mm	Delphi 15300003	3	Key	4417-9931	
4.7" (119mm) Poly 8		Metripak	2	Key		
6" (152mm) Poly 4	44.66mm	Weatherpak	1	Key		



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SANDEN SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304437	4108U	12v	7H15SHD	Direct	GQ	Lateral Pad	¾ x ⅞	9.5
ABP N83 304438	4109U	12v	7H15SHD	Direct	MD	Horizontal O-Ring	1 x 14	9.5
ABP N83 304442	4860	12	7H15 FLX7	Ear	GV	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304443	4537 6634 4269	24	SD5H14	Ear	K	Horizontal O-Ring	**¾ x ⅞**	**8.4**
ABP N83 304444	4304 4423	12	SD7H15	Direct Long	WJ	Vertical Pad	**¾ x ⅞**	**9.5**
ABP N83 304445	4117U	12v	7H15SHD	Direct	WV	Horizontal Tab	¾ x ⅞	9.5
ABP N83 304446	4120	12v	7H15SHD	Direct	WV	Horizontal Tab	¾ x ⅞	9.5
ABP N83 304447	4121U	12v	7H15HD	Direct	KF			9.5
ABP N83 304448	6372	12v	5H14HD	Ear	FL	Vertical O-Ring	¾ x ⅞	8.4
ABP N83 304454	4305	12	SD7H15	Ear	WJ	Vertical Pad	**Pad**	**9.5**
ABP N83 304455	4082	12v	7H15SHD	Direct	GH	Horizontal Pad	Pad	9.5
ABP N83 304456	4084	12v	7H15SHD	Direct	MDA	Horizontal O-Ring	1 x 14	9.5
ABP N83 304457	4885U	12v	7H15HD	Direct	MDA	Horizontal O-Ring	1 x 14	9.5
ABP N83 304458	4081	12v	7H15SHD	Direct	GSA	Vertical Pad	Pad	9.5
ABP N83 304465	8144	24v	7H15HD	Direct	MD	Horizontal O-Ring	1 x 14	9.5
ABP N83 304466	8174	12v	7H15HD	Direct	MD	Horizontal O-Ring	1 x 14	9.5
ABP N83 304675	4119	12v	7H15	Direct	WH	Vertical Pad	¾ x ⅞	9.5
ABP N83 304474	4469. 4603	12	SD7H15	Ear	WJ	Vertical Pad	**¾ x ⅞**	**9.5**
ABP N83 304481	4040 4425 4792	12	SD7H15	Direct	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304503	4306 4428	12	SD7H15	Direct Long	KCA	Horizontal O-Ring	**¾ x ⅞**	**9.5**

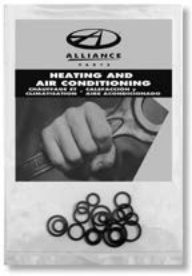


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
5.5" (140mm) Poly 8		Metripak	2	Key		
6" (152mm) Poly 8		Metripak	2	Key		
4.9" (125mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4713-9930	**ABP N83 303232**
5 ¼" (132mm) A2 Groove	40mm	Bullet	1	Key	6519-6210	**ABP N83 303302**
4.9" (125mm) Poly 6	46mm	F5TB14A464-FA	2	Key RDA	4423-9931	
5" (128mm) Poly 8		Metripak	2	Key		
4.9" (125mm) Poly 6		Metripak	2	Key		
4.7" (119mm) Poly 8		Weatherpak	2	Key		
5.5" (140mm) Poly 4		Weatherpak	1	Key		
4.7" (119mm) Poly 8	46mm	Ford OE	2		4427-9931	
5.5" (140mm) Poly 8		Metripak	2	Key		
4.7" (119mm) Poly 8		Metripak	2	Key		
5" (130 mm) Poly 8		Metripak	2	Key		
4.7" (119mm) Poly 8		Metripak	2	Key		
4.7" (119mm) Poly 8	27mm	Weatherpak	1	Key		
5.3" (135mm) A groove	49.55mm	Weatherpak	1	Key		
4.9" (125mm) Poly 6	55mm	Metripak	2	Key		
5 ¼" (132mm) A2 Groove	40mm	Ford OE (Yazaki)	2	Key	4601-9931 6504-6010	**ABP N83 303422**
4.9" (125mm) Poly 6	46mm	Metripak	2	Key	4424-9931	
5 ¼" (132mm) A2 Groove	55mm	Metripak	2	Key RDA	4428-9931	**ABP N83 303492**



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304504	4301 4769	24	SD7H15SHD	Direct Long	GK	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304514	4498 4806 4813	12	SD7H15SHD	Direct Long	KCA	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304524	4699	12	SD7H15	Direct	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304534	4490	12	SD7H15	Ear	WV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304543	4417 4485	12	SD7H15	Direct Long	GH	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304543S	4075	12	SD7H15SHD	Direct	GH	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304544	4302 4840	24	SD7H15SHD	Direct Long	GK	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304573	4430 4473 4819	12	SD7H15	Direct Long	GH	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304574	4717 4777 4893	12	SD7H15	Ear	WV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304582	4862	24	7H15 FLX7	Ear	GV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304584	4779	12	SD7H15	Ear	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304594	4780	12	SD7H15	Direct Long	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304622	5072	12	SD5H09	Ear	FL	Vertical O-Ring	¾ x ⅞	5.5
ABP N83 304624	4494 4757 4891	12	SD7H15	Direct Long	WV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304634	4493 4733 4892	12	SD7H15	Direct	WV	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304642	5080	12	SD505	Ear	C	Vertical Tube-O	1" - 14	5

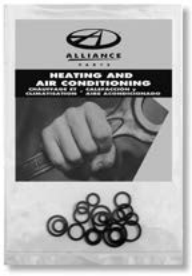


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
5 ¼" (133mm) Poly 8	49mm	Cat OE	2	Key	4726-9931	
5 ¼" (132mm) Poly 8	49mm	Cat OE	2	Key		
5 ¼" (132mm) A2 Groove	38mm	Metripak	2		6594-6010	
5 ⅛" (130mm) Poly 8	34mm	Metripak	2	Key	4700-9931	**ABP N83 303757**
4.7" (119mm) Poly 8	49mm	Metripak	2	Key RDA	4705-9931 4417-9931 4734-9931	**ABP N83 303387**
4.7" (119mm) Poly 8	49mm	Metripak	2	Key		
6" (152mm) Poly 8	49mm	Cat OE	2	Key	4840-9932	
4.9" (125mm) Poly 6	46mm	Metripak	2	Key RDA	4424-9931	
5 ¼" (132mm) A2 Groove	40mm	Metripak	2	Key	4694-9931 4777-9931 4896-9931 6594-6010	**ABP N83 303482**
4.9" (125mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4862-9931	
4.9" (125mm) A2 Groove	40mm	HD 280 series	1	Spline	4779-9931	
5 ¼" (132mm) A2 Groove	55mm	HD 280 series	1	Spline	4780-9931	
4.9" (125mm) A2 Groove	37mm	Bullet	1	Key	0669-6010 9053-9841	
4.9" (125mm) Poly 6	46mm	Metripak	2	Key RDA	4757-9931 4891-9931	
5 ⅛" (130mm) Poly 8	44mm	Metripak	2	Key RDA	4733-9931 4892-9931 4895-9931	**ABP N83 303757**
4.9" (125mm) Variable Groove	39mm	Bullet	1		0750-6010	



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304652	7803	12	SD7H15	Ear	QD	Horizontal Pad (QB)	M10	8.4
ABP N83 304654	4894	12	SD7H15	Direct Long	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304664	4895 4700	12	SD7H15	Ear	KC	Horizontal O-Ring	¾ x ⅞	9.5
ABP N83 304672	4542 4618	12	SD7H15	Ear	SJA	Horizontal Pad	Pad (QB)	8.4
ABP N83 304674	4896	12	SD7H15	Ear	JD	Vertical O-Ring	¾ x ⅞	9.5
ABP N83 304682	4508 6656 4296U1	12	SD5H14	Ear	FL	Vertical O-Ring	¾ x ⅞	8.4
ABP N83 304714	4468 4604 4656 8107	24	SD7H15SHD	Ear	GK	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304721	4479 4640 4658 8109	24	SD7H15SHD	Ear	GK	Horizontal Pad	¾ x ⅞	9.5
ABP N83 304741	4042 4432 4759	12	SD7H15	Direct	GQ	Lateral Pad	¾ x ⅞	9.5
ABP N83 304753	4427 4496 4718	12	SD7H15	Ear	WJ	Vertical Pad	¾ x ⅞	9.5
ABP N83 304764	4079	12	SD7H15	Direct	GSA	Lateral Pad	¾ x ⅞	9.5
ABP N83 304773	4474 7804	12	SD7H15	Direct Long	WH	Vertical Pad (U)	¾ x ⅞	9.5
ABP N83 304774	4089	12	SHD7H15	Ear	GQ	Lateral Pad	Pad	9.5
ABP N83 304803	4429 4472	12	SD7H15	Ear	GH	Horizontal Pad	¾ x ⅞	9.5

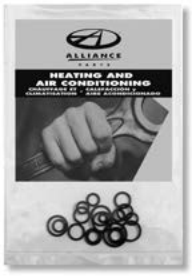


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
4.9" (125mm) A2 Groove	40mm	Metripak	2	Key	7803-9931	
5 ¼" (132mm) A2 Groove	55mm	Metripak w HD 280 series	1	Key RDA	4694-9931 4896-9931	
5 ⅛" (130mm) Poly 8	34mm	Metripak w HD 280 series	1	Key RDA	4781-9931 4895-9931	
4.7" (119mm) Poly 7	36mm	Metripak (T&B)	2	Key	4618-9931	
4.9" (125mm) A2 Groove	40mm	Metripak w HD 280 series	1	Key RDA	4896-9931 4779-9931	
4.9" (125mm) Poly 10	35mm	Bullet	1	Key	6518-6010	
5 ½" (138mm) A1 Groove	40mm	Cat OE	2	Key	4604-9931 6506-6010	
6" (152mm) A1 Groove	40mm	Cat OE	2	Key	4640-9931	
4.7" (119mm) Poly 8	49mm	Metripak	2	Spline	4417-9931	**ABP N83 303387**
4.7" (119mm) Poly 8	34mm	Ford OE	2	Key	4427-9931 7731-9930	**ABP N83 303157**
4.9" (125mm) Poly 6	56mm	Metripak	2	Key		
4.7" (119mm) Poly 8	49.55mm	Ford OE (Yazaki)	2	Key	7731-9930	
4.9" (125mm) A2 Groove	24mm	Metripak	2			
5 ¼" (132mm) A2 Groove	40mm	Metripak	2	Key RDA	4428-9931	**ABP N83 303492**



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

SPECIFICATIONS

COMPRESSOR

Alliance Part No.	Sanden Part No.	Voltage	Sanden Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size	Cubic Inches
ABP N83 304823 **ABP N83 304563**	4431 4477	12	SD7H15	Ear	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304824	4604	24	SD7H15	Ear	GK	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304833	4453 4495	12	SD7H15	Ear	GV	Vertical Pad	**1" - 14**	**9.5**
ABP N83 304834	4060	12	SD7H15	Direct	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304843	4646	12	SD7H15	Ear	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304844	4409	24	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304873	4672	12	SD7H15	Ear	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304874	194696	12	SE7H15	Ear	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304883	4709	12	SD7H15	Ear	KG	Horizontal O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304884	1027K8	12	SE7H15	Direct	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304893	4492 4761	12	SD7H15	Direct Long	MDA	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304894	1027U3	12	SE7H15	Direct	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304912	4762	24	SD7H15	Ear	JD	Vertical O-Ring	**¾ x ⅞**	9.5
ABP N83 304913	4820	12	SD7H15	Ear	GH	Horizontal Pad	**¾ x ⅞**	**9.5**
ABP N83 304922	7819	12	SD7H15	Ear	MD	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304953	4645	12	SD7H15	Ear	JDA	Vertical O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304973	4667	12	SD7H15	Direct Long	KC	Horizontal O-Ring	**¾ x ⅞**	**9.5**
ABP N83 304983	9680	12	SD510	Ear	C	Vertical Tube-O	**1" - 14**	**9.9**
ABP N83 304992	4478 4609	12	SD7H15SHD	Ear	MD	Horizontal Tube-O	**1" - 14**	**9.5**
ABP N83 304993	4080	12	SD7H15	Direct	GQ	Lateral Pad	**Pad**	**9.5**
ABP N83 304863	4041 4426 4696	12	SD7H15	Ear	GQ	Lateral PadJ231	Pad	9.5

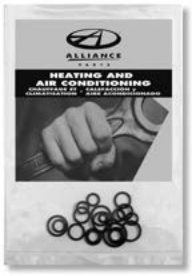


CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

CLUTCH

Clutch Type	Gauge Line	Connector Type	No. of Wires	Clutch Shaft Type	Sanden Clutch Part No.	Alliance Clutch Part No.
4.7" (119mm) Poly 8	34mm	Metripak	2	Key RDA	4417-9931 4705-9931 4734-9931	**ABP N83 303387**
5 ½" (138mm) A1 Groove	40mm	Cat OE	2	Key	6506-6010 4604-9931	
4.7" (119mm) Poly 8	34mm	Weatherpak	1	Key	4672-9931	
4.7" (119mm) Poly 8	49mm	Metripak	2			
5 ¼" (132mm) A2 Groove	40mm	Weatherpak	1	Key	6504-6310 4647-9931	
6" (152mm) A2 Groove	40mm		1	Key		
4.7" (119mm) Poly 8	46mm	Weatherpak	1	Key	4672-9931	
5 ¼" (132mm) A2 Groove	40mm	Metripak	2		4426-9931	
4.9" (125mm) A2 Groove	40mm	Female Weatherpak plus jumper	1	Key	4647-9931 6560-6010	
4.7" (119mm) Poly 8	48mm	Metripak	2	Key	4417-9931	
4.9" (125mm) Poly 6	46mm	Metripak	2	Spline	4756-9931	
4.9" (125mm) Poly 6	45mm	Delphi 15300002	2	Spline	4424-9931	
4.7" (119mm) Poly 8	47mm	Bullet	1	Key	4762-9931	
4.7" (119mm) Poly 8	34mm	Metripak	2	Key	4734-9931 4705-9931 4417-9931	**ABP N83 303387**
4.9" (125mm) A2 Groove	40mm	Bullet	1	Key	6560-6010	**ABP N83 303232**
4.7" (119mm) Poly 7	36mm	Weatherpak	1	Key	4645-9931	**ABP N83 303207**
4.7" (119mm) Poly 8	61mm	Metripak	2	Key	4417-9931 4667-9931	**ABP N83 303387**
6 ¼" (158mm) A1 Groove	40mm	Metripak	2	Key		
6" (152mm) A2 Groove	40mm	Female Weatherpak (IHC-Case)	1	Key	4609-9931 6510-6010	
4.9" (125mm) Poly 6	46mm	Metripak	2			
4.9" (125mm) A2 Groove	40mm	Metripak	2	Key	6593-6010 4695-9931 4426-9931	**ABP N83 303402**

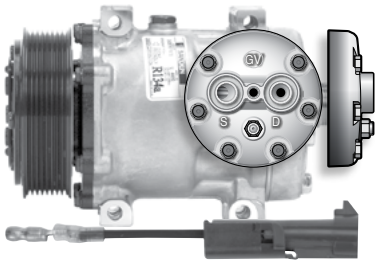


Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

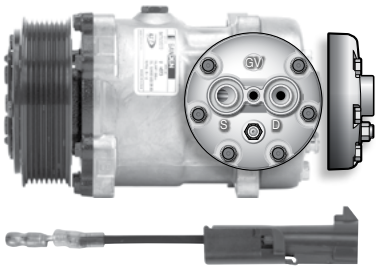
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ABP N83 304004



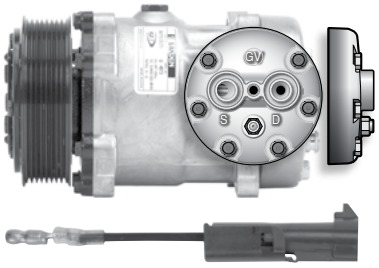
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Head: GV
Voltage: 12
Mount: Direct
Sanden: 4420
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304014



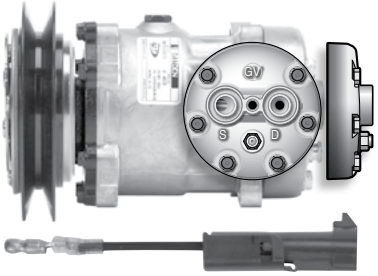
Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4737, 4864
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304024



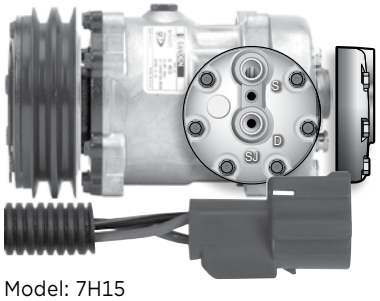
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Head: GV
Voltage: 24
Mount: Ear
Sanden: 4866
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304034



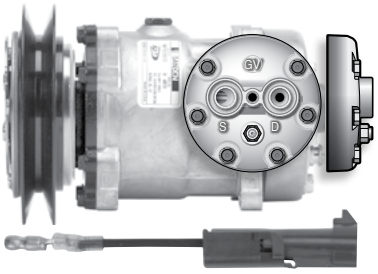
Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4868
Clutch: 6 ¼” (158mm) Variable 1 Groove
R134a

ABP N83 304043



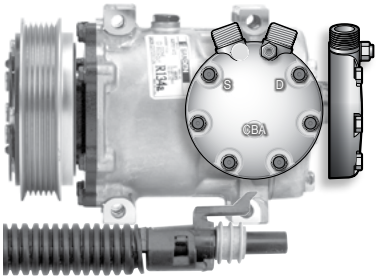
Model: 7H15
Head: SJ
Voltage: 12
Mount: Ear
Sanden: 4497, 4704
Clutch: 5 ¼” (132mm) A2 Groove
R-134a

ABP N83 304044



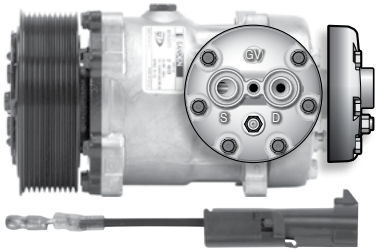
Model: 7H15FLX
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4870
Clutch: 6 ¼” (158mm) Variable 1 Groove
R134a

ABP N83 304053



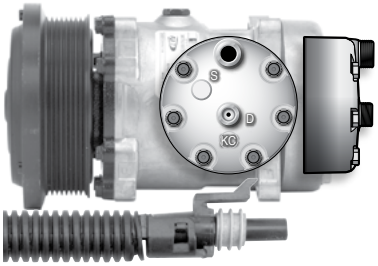
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Head: CBA
Voltage: 12
Mount: Direct
Sanden: 4687
Clutch: 4.9” (125mm) Poly 6
R-134a

ABP N83 304054



Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4872
Clutch: 4.9” (125mm) Poly 10
R134a

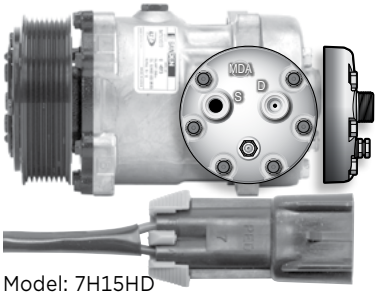
ABP N83 304055



Model: 7H15SHD
Head: KC
Voltage: 12
Mount: Ear
Sanden: 4637
Clutch: 5 ¼” (133mm) Poly 8
R134a

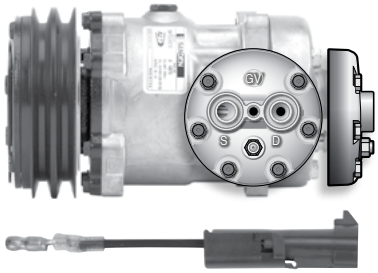
PHOTO REFERENCE

ABP N83 304063



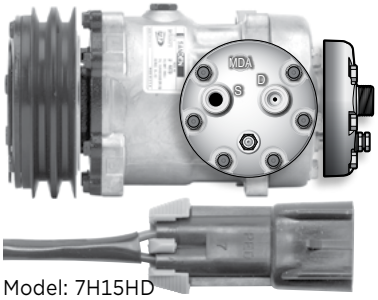
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4476, 4734
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304064



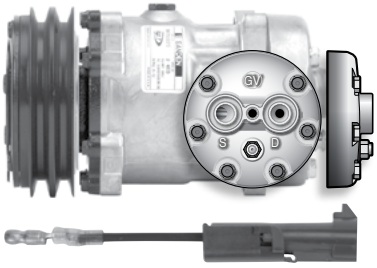
Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4434
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304073



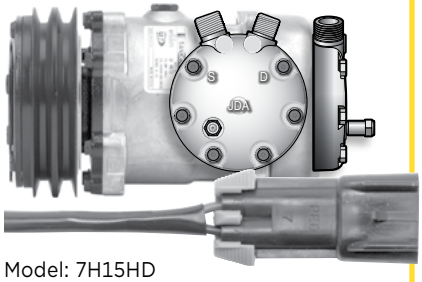
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4471, 4735
Clutch: 5 ¼" (132mm) A2 Groove
R-134a

ABP N83 304074



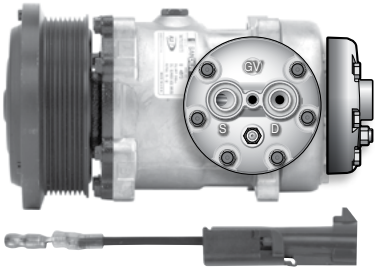
Model: 7H15FLX
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4435
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304083



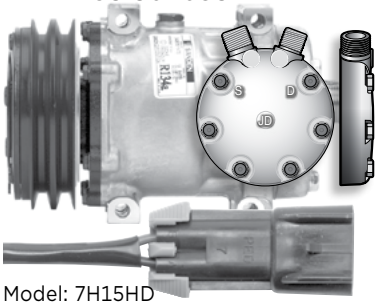
Model: 7H15HD
Head: JDA
Voltage: 12
Mount: Ear
Sanden: 4488, 4736
Clutch: 5 ¼" (132mm) A2 Groove
R-134a

ABP N83 304084



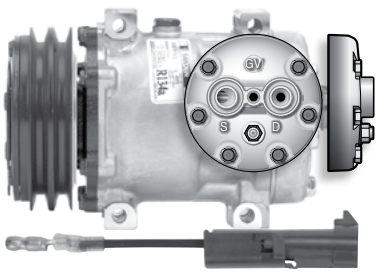
Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4874
Clutch: 5 ¼" (133mm) Poly 8 with Dust Cover
R134a

ABP N83 304093



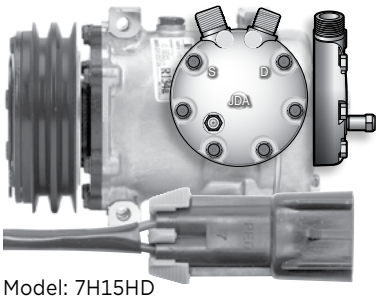
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4491, 4752
Clutch: 5 ¼" (132mm) A2 Groove
R-134a

ABP N83 304094



Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Direct
Sanden: 4419
Clutch: 4.9" (125mm) A2 Groove
R134a

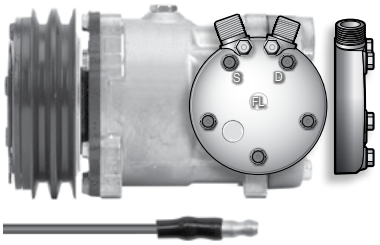
ABP N83 304095



Model: 7H15HD
Head: JDA
Voltage: 12
Mount: Direct
Sanden: 4626, 4695
Clutch: 5 ¼" (132mm) A2 Groove
R134a

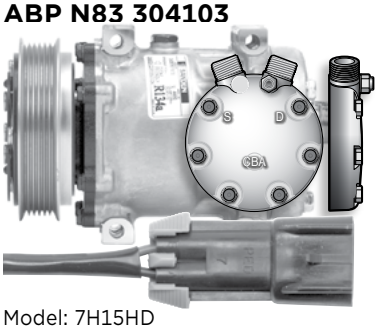
PHOTO REFERENCE

ABP N83 304102



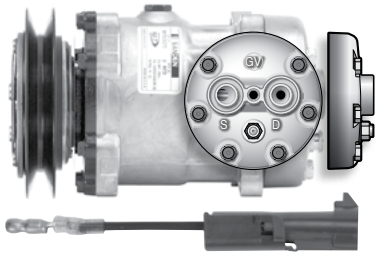
Model: 7H15-HD
Head: FL
Voltage: 12
Mount: Ear
Sanden: 4509, 4510, 6664
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304103



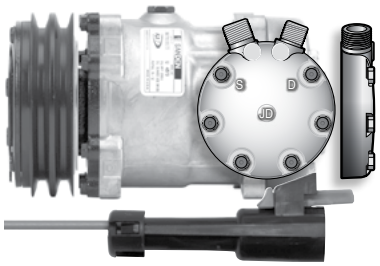
Model: 7H15HD
Head: CBA
Voltage: 12
Mount: Direct
Sanden: 4475, 4756
Clutch: 4.9" (125mm) Poly 6
R-134a

ABP N83 304104



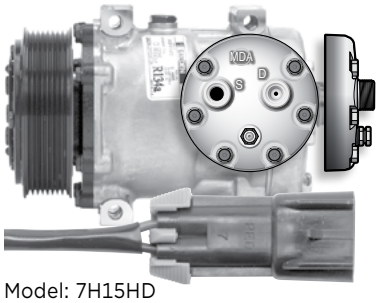
Model: 7H15FLX
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4877
Clutch: 5 ½" (138mm) A1 Groove
R134a

ABP N83 304105



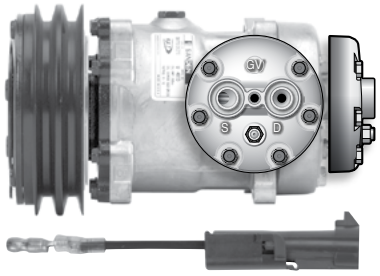
Model: 7H15HD
Head: JD
Voltage: 24
Mount: Ear
Sanden: 4652
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304113



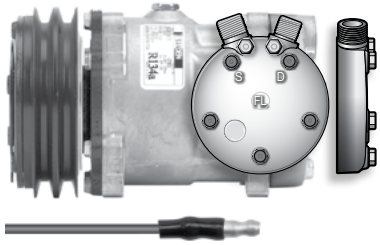
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4776
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304114



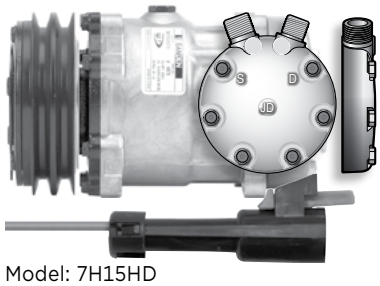
Model: 7H15FLX
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4881
Clutch: 6" (152mm) A2 Groove
R134a

ABP N83 304122



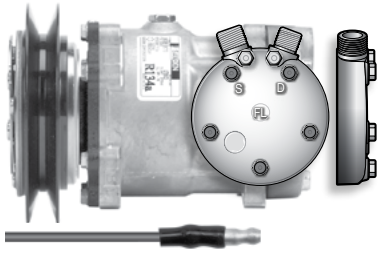
Model: 5H14-HD
Head: FL
Voltage: 24
Mount: Ear
Sanden: 4506, 4507, 6627, 6665
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304125



Model: 7H15HD
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4627
Clutch: 4.9" (125mm) A2 Groove
R134a

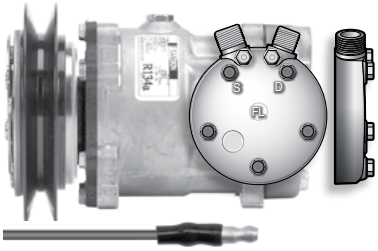
ABP N83 304132



Model: 5H14-HD
Head: FL
Voltage: 12
Mount: Ear
Sanden: 4515, 6673
Clutch: 6 ¼" (158mm) Variable 1 Groove
R134a

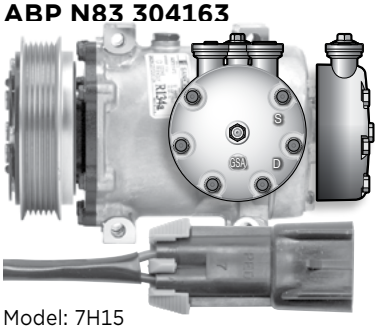
PHOTO REFERENCE

ABP N83 304142



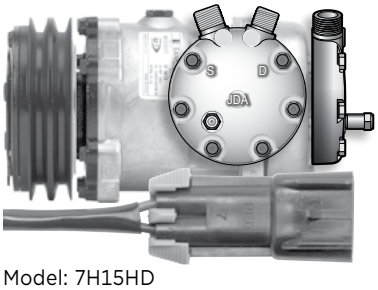
Model: 5H14-HD
Head: FL
Voltage: 24
Mount: Ear
Sanden: 4516, 6672
Clutch: 6 ¼" (158mm) Variable 1 Groove
R134a

ABP N83 304163



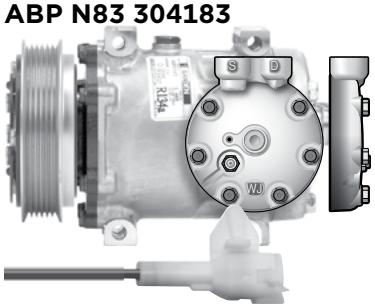
Model: 7H15
Head: GSA
Voltage: 12
Mount: Direct
Sanden: 4039, 4424, 4731
Clutch: 4.9" (125mm) Poly 6
R134a

ABP N83 304173



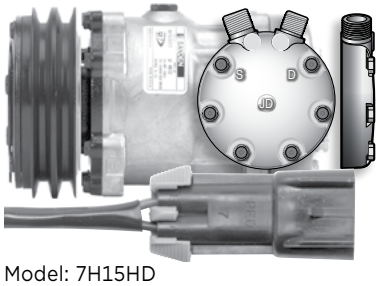
Model: 7H15HD
Head: JDA
Voltage: 12
Mount: Ear
Sanden: 4433, 4484, 4740
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304183



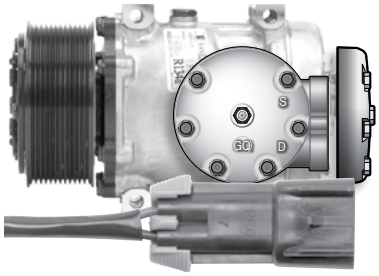
Model: 7H15
Head: WJ
Voltage: 12
Mount: Direct
Sanden: 4810
Clutch: 4.9" (125mm) Poly 6
R134a

ABP N83 304193



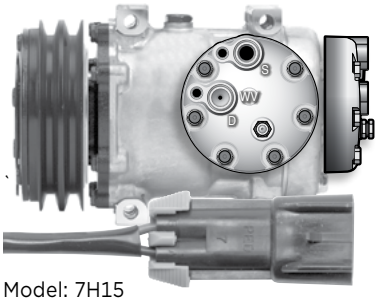
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4694
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304199



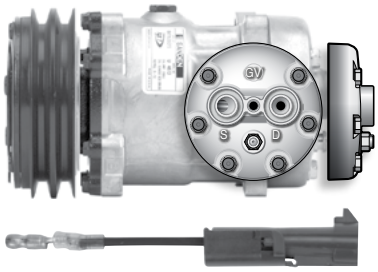
Model: SD7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4078
Clutch: 4.9" (126mm) Poly 12
R-134a

ABP N83 304213



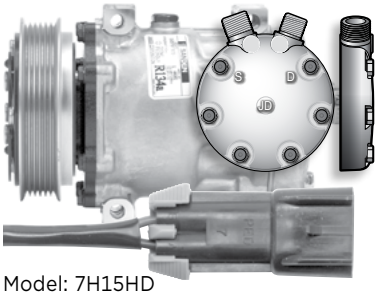
Model: 7H15
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4715, 4890
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304234



Model: 7H15FLX LS
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4447
Clutch: 5 ¼" (132mm) A2 Groove
R134a

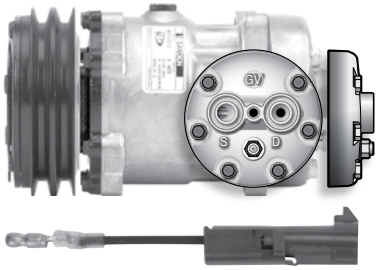
ABP N83 304241



Model: 7H15HD
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4883
Clutch: 4.9" (125mm) Poly 6
R134a

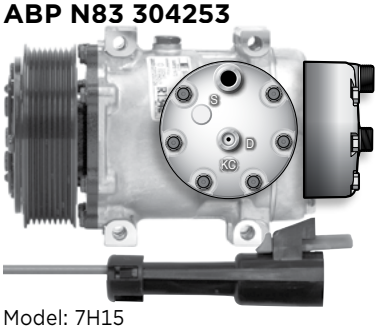
PHOTO REFERENCE

ABP N83 304244



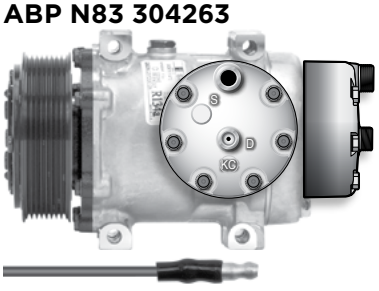
Model: 7H15FLX LS
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4448
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304253



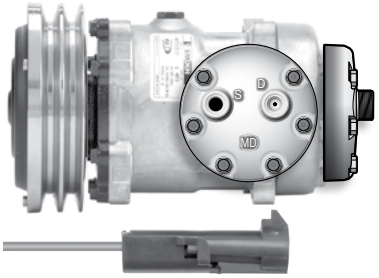
Model: 7H15
Head: KC
Voltage: 12
Mount: Direct
Sanden: 4823
Clutch: 5 ⅛" (130mm) Poly 8
R134a

ABP N83 304263



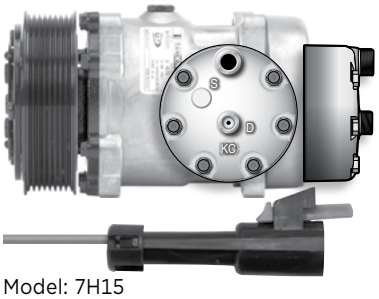
Model: 7H15
Head: KC
Voltage: 12
Mount: Direct
Sanden: 4666
Clutch: 4.7" (119mm) Poly 8
R134a

ABP N83 304264



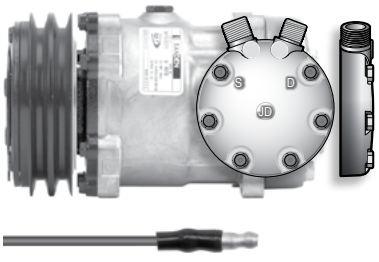
Model: 7H15SHD
Head: MD
Voltage: 24
Mount: Ear
Sanden: 4611
Clutch: 6" (152mm) A2 Groove - Sealed/R-134a

ABP N83 304273



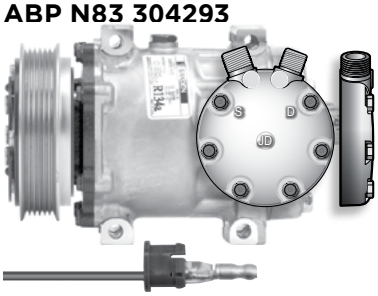
Model: 7H15
Head: KC
Voltage: 12
Mount: Ear
Sanden: 4659
Clutch: 5 ⅛" (130mm) Poly 8
R134a

ABP N83 304283



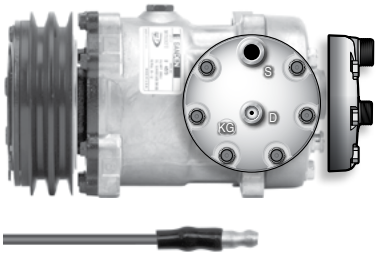
Model: 7H15
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4663
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304293



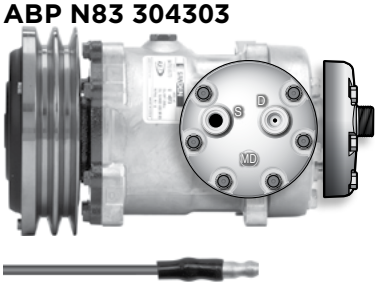
Model: 7H15
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4628, 8105
Clutch: 4.7" (119mm) Poly 6
R134a

ABP N83 304294



Model: 7H15
Head: KG
Voltage: 24
Mount: Ear
Sanden: 4742
Clutch: 4.9" (125mm) A2 Groove
R134a

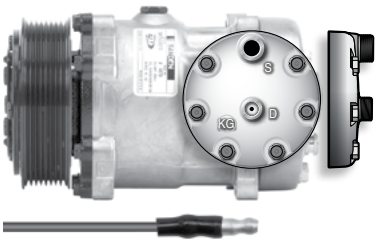
ABP N83 304303



Model: 7H15SHD
Head: MD
Voltage: 12
Mount: Ear
Sanden: 4617
Clutch: 5 ¼" (132mm) A2 Groove - Sealed
R134a

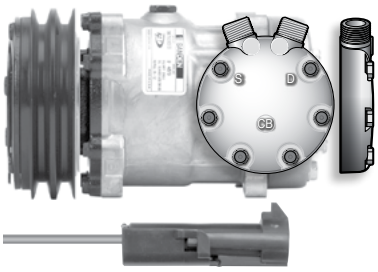
PHOTO REFERENCE

ABP N83 304304



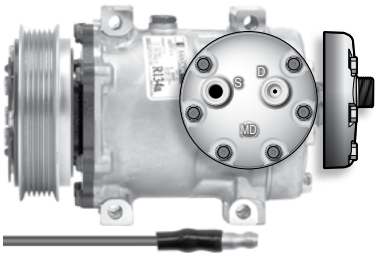
Model: 7H15HD
Head: KG
Voltage: 12
Mount: Ear
Sanden: 4712
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304313



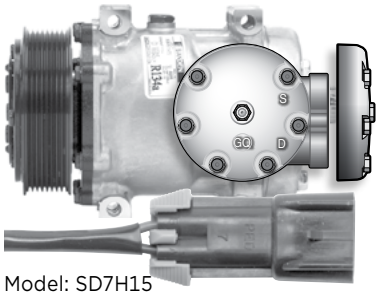
Model: 7H15HD
Head: CB
Voltage: 12
Mount: Ear
Sanden: 4643
Clutch: 5 ¼” (132mm) A2 Groove
R134a

ABP N83 304323



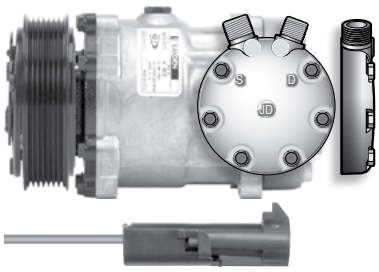
Model: 7H15
Head: MD
Voltage: 12
Mount: Direct
Sanden: 4641
Clutch: 4.7” (119mm) Poly 6
R134a

ABP N83 304324



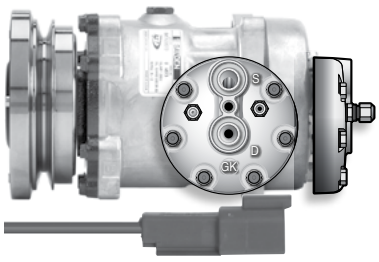
Model: SD7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4077
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304333



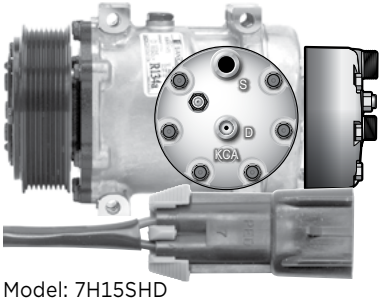
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4665
Clutch: 4.7” (119mm) Poly 7
R134a

ABP N83 304334



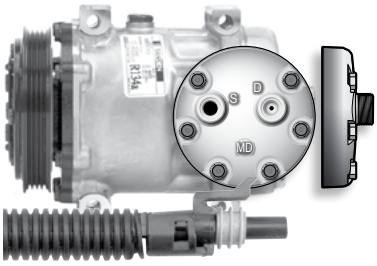
Model: 7H15SHD
Head: GK
Voltage: 12
Mount: Ear
Sanden: 4608, 4657, 8108
Clutch: 5 ½” (138mm) A1 Groove-Sealed
R134a

ABP N83 304435



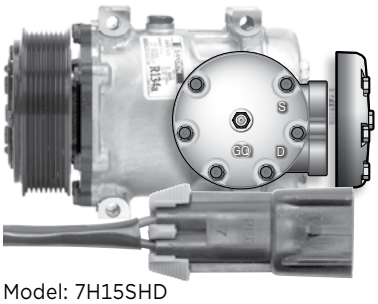
Model: 7H15SHD
Head: KCA
Voltage: 12
Mount: Direct
Sanden: 4090
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304436



Model: 7H15HD
Head: MD
Voltage: 12
Mount: Direct
Sanden: 4105U
Clutch: 6” (152mm) Poly 4
R-134a

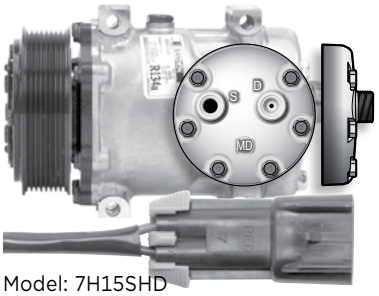
ABP N83 304437



Model: 7H15SHD
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4108U
Clutch: 5.5” (140mm) Poly 8
R-134a

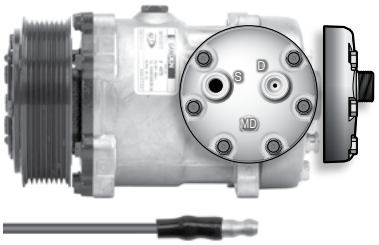
PHOTO REFERENCE

ABP N83 304438



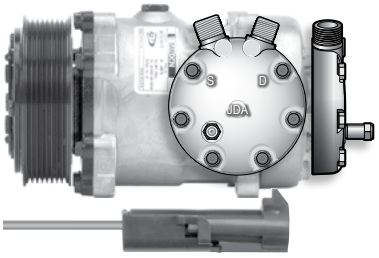
Model: 7H15SHD
Head: MD
Voltage: 12
Mount: Direct
Sanden: 4109U
Clutch: 6” (152mm) Poly 8
R-134a

ABP N83 304343



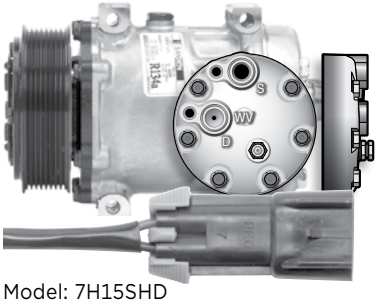
Model: 7H15
Head: MD
Voltage: 12
Mount: Ear
Sanden: 7822
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304344



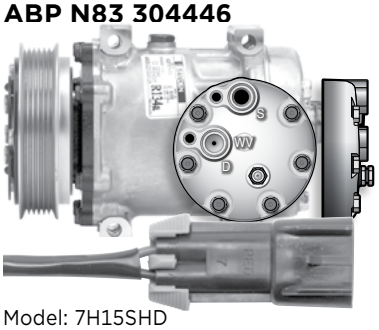
Model: 7H15HD
Head: JDA
Voltage: 12
Mount: Ear
Sanden: 4660
Clutch: 4 ¾” (119mm) Poly 8
R134a

ABP N83 304445



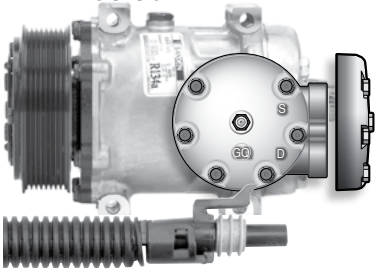
Model: 7H15SHD
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4117U
Clutch: 5” (128mm) Poly 8
R-134a

ABP N83 304446



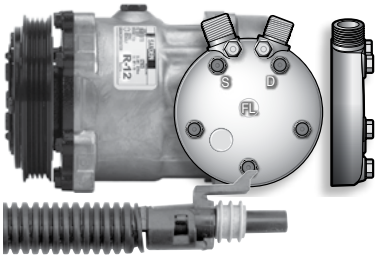
Model: 7H15SHD
WV
Voltage: 12
Mount: Direct
Sanden: 4120
Clutch: 4.9” (125mm) Poly 6
R-134a

ABP N83 304447



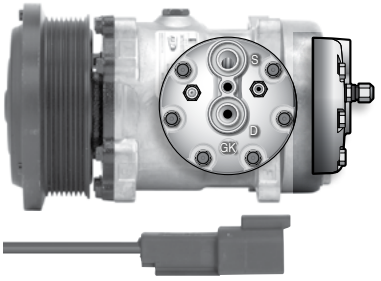
Model: 7H15HD
Head: KF
Voltage: 12
Mount: Direct
Sanden: 4121U
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304448



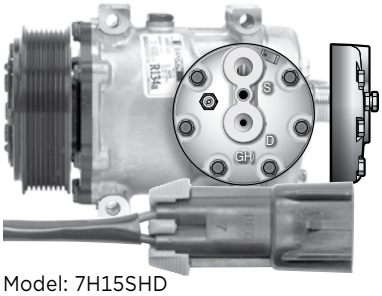
Model: 5H14HD
Head: FL
Voltage: 12
Mount: Ear
Sanden: 6372
Clutch: 5.5” (140mm) Poly 4
R-134a

ABP N83 304353



Model: 7H15SHD
Head: GK
Voltage: 24
Mount: Ear
Sanden: 4487, 4726
Clutch: 5 ¼” (133mm) Poly 8 - Sealed
R134a

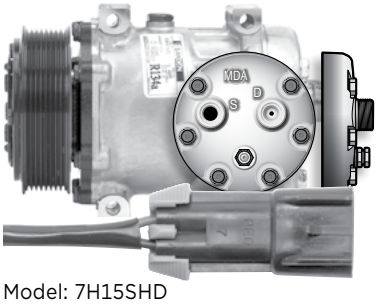
ABP N83 304455



Model: 7H15SHD
Head: GH
Voltage: 12
Mount: Direct
Sanden: 4082
Clutch: 5.5” (140mm) Poly 8
R-134a

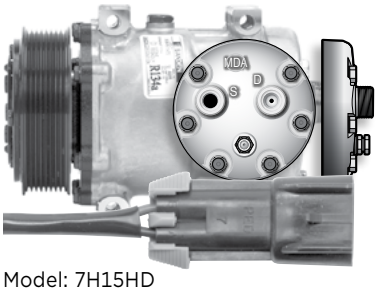
PHOTO REFERENCE

ABP N83 304456



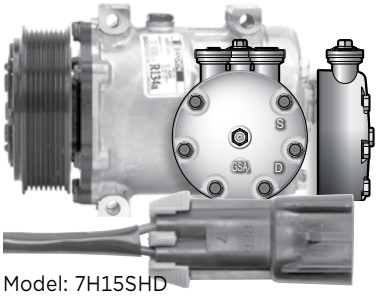
Model: 7H15SHD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4084
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304457



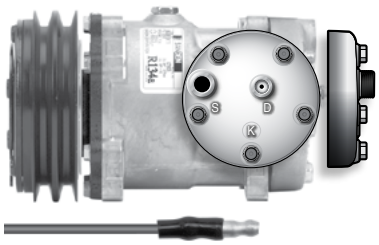
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4885U
Clutch: 5” (130 mm) Poly 8
R-134a

ABP N83 304458



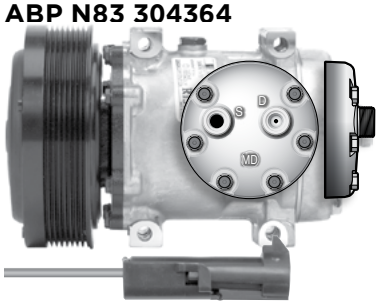
Model: 7H15SHD
Head: GSA
Voltage: 12
Mount: Direct
Sanden: 4081
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304362



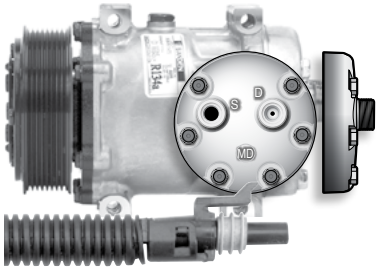
Model: 5H14
Head: K
Voltage: 12
Mount: Ear
Sanden: 4536, 6630, 6676
Clutch: 5 ¼” (132mm) A2 Groove
R134a

ABP N83 304364



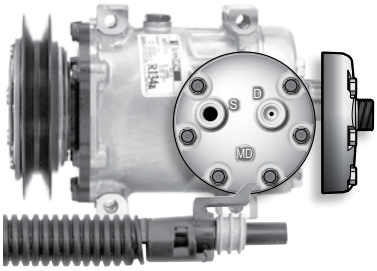
Model: 7H15SHD
Head: MD
Voltage: 12
Mount: Direct
Sanden: 4499, 4768
Clutch: 6” (152mm) Poly 8
R134a

ABP N83 304465



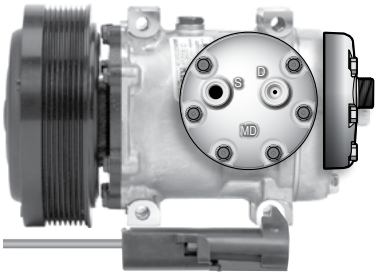
Model: 7H15HD
Head: MD
24v
Mount: Direct
Sanden: 8144
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304466



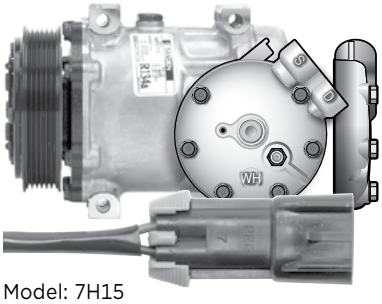
Model: 7H15HD
Head: MD
Voltage: 12
Mount: Direct
Sanden: 8174
Clutch: 5.3” (135mm) A groove
R-134a

ABP N83 304374



Model: 7H15SHD
Head: MD
Voltage: 24
Mount: Direct
Sanden: 4300, 4795
Clutch: 6” (152mm) Poly 8
R134a

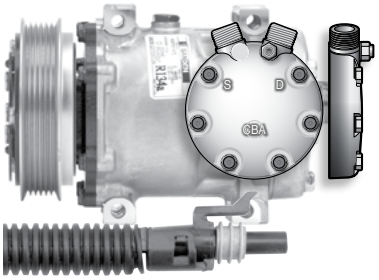
ABP N83 304675



Model: 7H15
Head: WH
Voltage: 12
Mount: Direct
Sanden: 4119
Clutch: 4.9” (125mm) Poly 6
R-134a

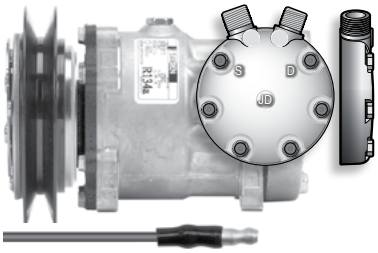
PHOTO REFERENCE

ABP N83 304383



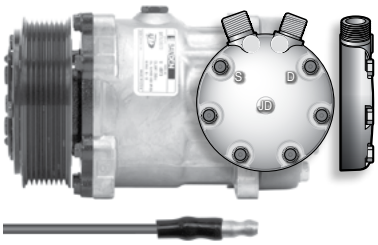
Model: 7H15HD
Head: CBA
Voltage: 12
Mount: Direct
Sanden: 4687
Clutch: 4.9” (125mm) Poly 6
R-134a

ABP N83 304404



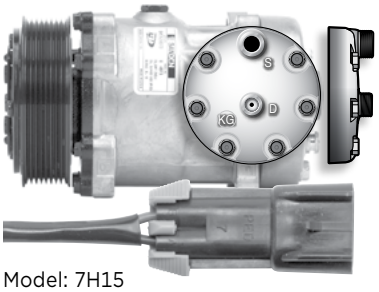
Model: 7H15HD
Head: JD
Voltage: 24
Mount: Ear
Sanden: 4745
Clutch: 6 ¼” (158mm) Variable 1 Groove
R134a

ABP N83 304432



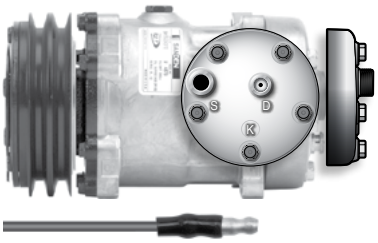
Model: 7H15
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4711, 8103
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304394



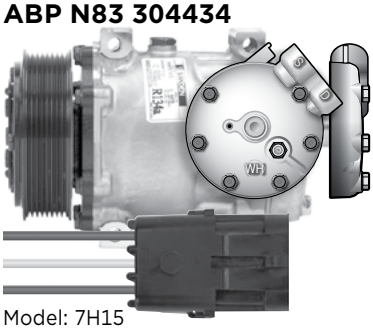
Model: 7H15
Head: KG
Voltage: 12
Mount: Ear
Sanden: 4739
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304413



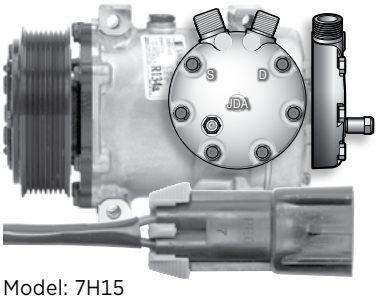
Model: 5H09
Head: K
Voltage: 12
Mount: Ear
Sanden: 5077
Clutch: 4.9” (125mm) A2 Groove
R-134a

ABP N83 304434



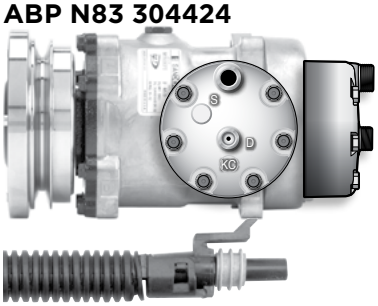
Model: 7H15
Head: WH
Voltage: 12
Mount: Direct
Sanden: 4303, 4422
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304403



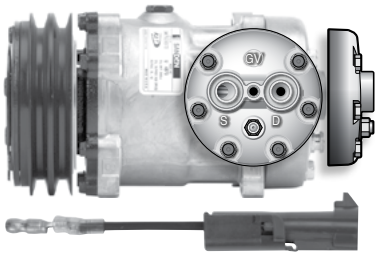
Model: 7H15
Head: JDA
Voltage: 12
Mount: Direct
Sanden: 4822
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304424



Model: 7H15SHD
Head: KC
Voltage: 12
Mount: Ear
Sanden: 4480, 4661
Clutch: 5 ½” (138mm) A1 Groove - Sealed
R134a

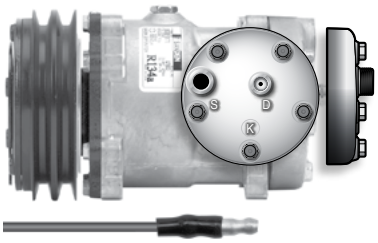
ABP N83 304442



Model: 7H15FLX
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4860
Clutch: 4.9” (125mm) A2 Groove
R134a

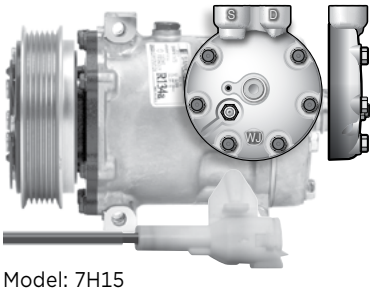
PHOTO REFERENCE

ABP N83 304443



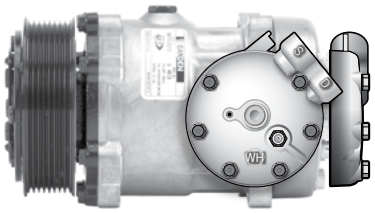
Model: 5H14
Head: K
Voltage: 24
Mount: Ear
Sanden: 4537, 6634
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304444



Model: 7H15
Head: WJ
Voltage: 12
Mount: Direct
Sanden: 4304, 4423
Clutch: 4.9" (125mm) Poly 6
R134a

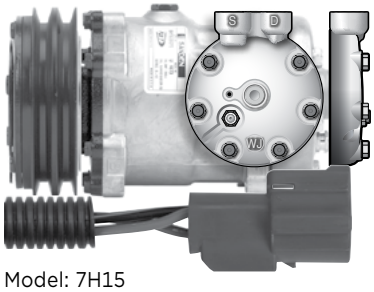
ABP N83 304454



No photo of plug available

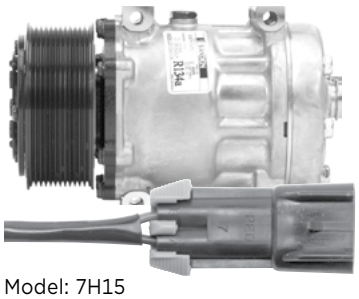
Model: SD7H15
Head: WJ
Voltage: 12
Mount: Ear
Sanden: 4305
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304474



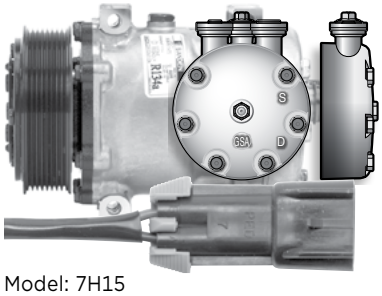
Model: 7H15
Head: WJ
Voltage: 12
Mount: Ear
Sanden: 4469, 4603
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304475



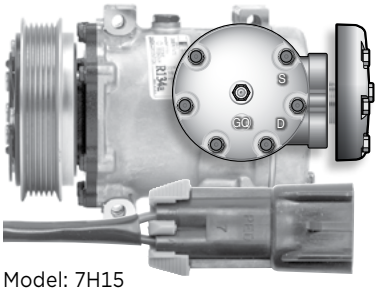
Model: 7H15
Head:
Voltage: 12
Mount: Direct
Sanden: 4357
Clutch: 4.7" (119mm) Poly 10
R134a

ABP N83 304476



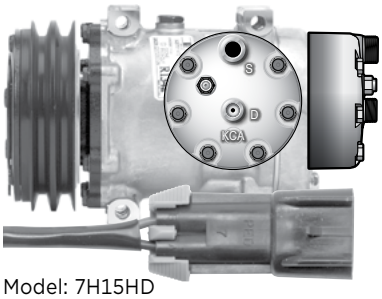
Model: 7H15
Head: GSA
Voltage: 12
Mount: Direct
Sanden: 4322
Clutch: 4.7" (119mm) Poly 8
R134a

ABP N83 304481



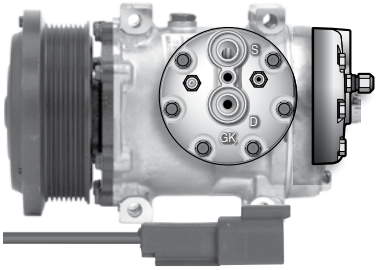
Model: 7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4040, 4425, 4792
Clutch: 4.9" (125mm) Poly 6
R134a

ABP N83 304503



Model: 7H15HD
Head: KCA
Voltage: 12
Mount: Direct
Sanden: 4306, 4428
Clutch: 5 ¼" (132mm) A2 Groove
R134a

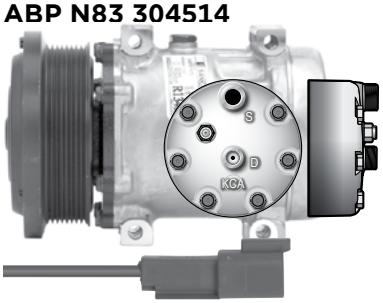
ABP N83 304504



Model: 7H15SHD
Head: GK
Voltage: 24
Mount: Direct
Sanden: 4301, 4769
Clutch: 5 ¼" (133mm) Poly 8
R134a

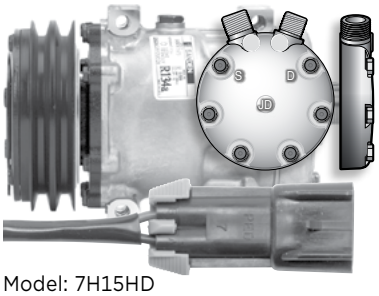
PHOTO REFERENCE

ABP N83 304514



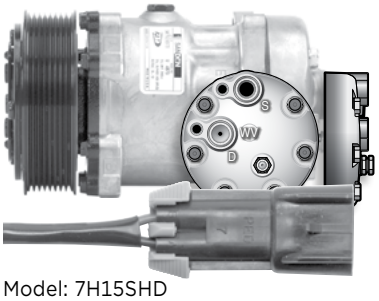
Model: 7H15SHD
Head: KCA
Voltage: 12
Mount: Direct
Sanden: 4498, 4806, 4813
Clutch: 5 ¼" (132mm) Poly 8
R134a

ABP N83 304524



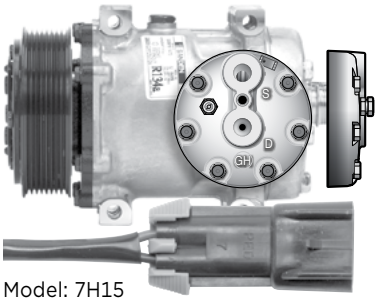
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4699
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304534



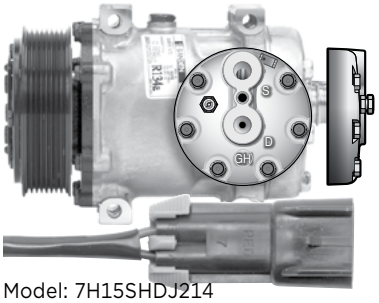
Model: 7H15SHD
Head: WV
Voltage: 12
Mount: Ear
Sanden: 4490, 4716
Clutch: 5 ⅛" (130mm) Poly 8
R-134a

ABP N83 304543



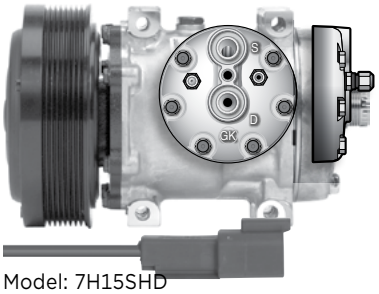
Model: 7H15
Head: GH
Voltage: 12
Mount: Direct
Sanden: 4417, 4485
Clutch: 4.7" (119mm) Poly 8
R134a

ABP N83 304543S



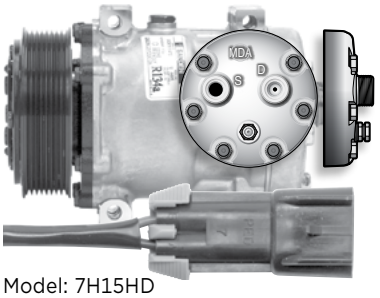
Model: 7H15SHDJ214
Head: GH
Voltage: 12
Mount: Direct
Sanden: 4075
Clutch: 4.7" (119mm) Poly 8
R134a

ABP N83 304544



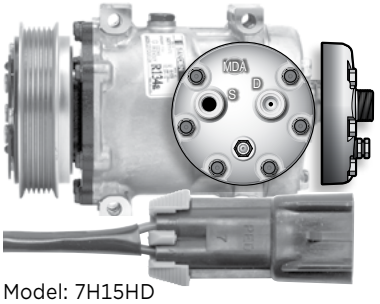
Model: 7H15SHD
Head: GK
Voltage: 24
Mount: Direct
Sanden: 4302, 4840
Clutch: 6" (152mm) Poly 8
R134a

ABP N83 304553



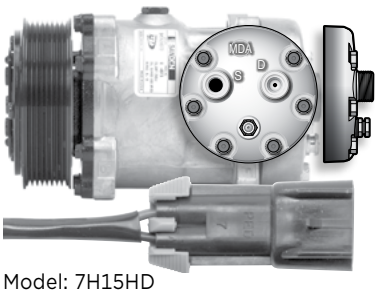
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4776
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304553S



Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4808
Clutch: 4.7" (119mm) Poly 8
R134a

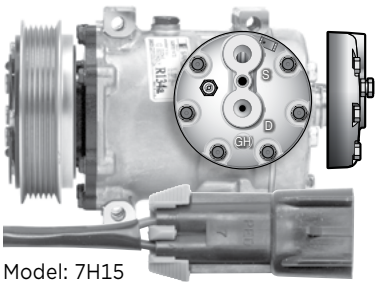
ABP N83 304563



Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4431, 4477
Clutch: 4.7" (119mm) Poly 8
R134a

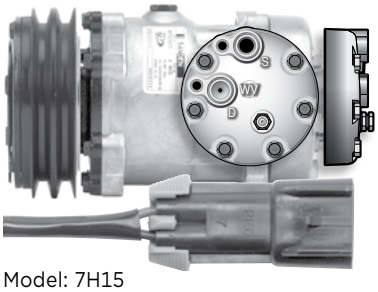
PHOTO REFERENCE

ABP N83 304573



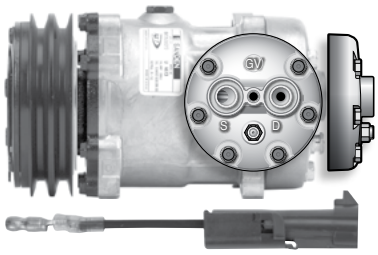
Model: 7H15
Head: GH
Voltage: 12
Mount: Direct
Sanden: 4430, 4473
Clutch: 4.9” (125mm) Poly 6
R134a

ABP N83 304574



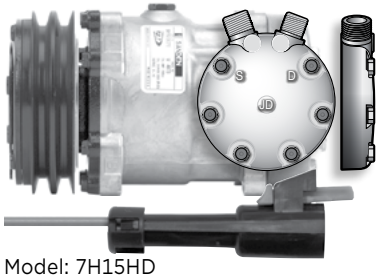
Model: 7H15
Head: WV
Voltage: 12
Mount: Ear
Sanden: 4717, 4777, 4893
Clutch: 5 ¼” (132mm) A2 Groove
R134a

ABP N83 304582



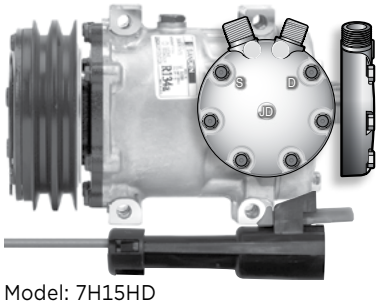
Model: 7H15FLX
Head: GV
Voltage: 24
Mount: Ear
Sanden: 4862
Clutch: 4.9” (125mm) A2 Groove
R134a

ABP N83 304584



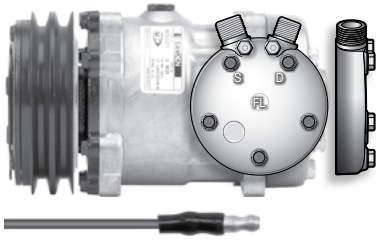
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4779
Clutch: 4.9” (125mm) A2 Groove
R134a

ABP N83 304594



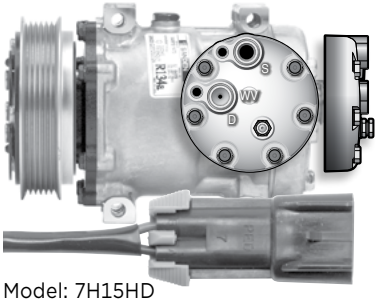
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4780
Clutch: 5 ¼” (132mm) A2 Groove
R134a

ABP N83 304622



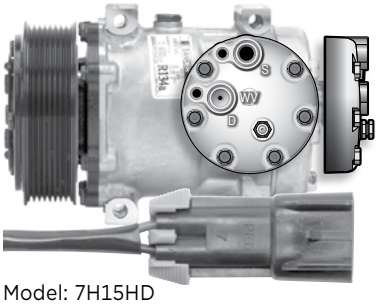
Model: 5H09
Head: FL
Voltage: 12
Mount: Ear
Sanden: 5072
Clutch: 4.9” (125mm) A2 Groove
R-134a

ABP N83 304624



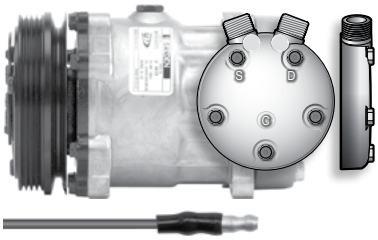
Model: 7H15HD
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4494, 4757, 4891
Clutch: 4.9” (125mm) Poly 6
R134a

ABP N83 304634



Model: 7H15HD
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4493, 4733, 4892
Clutch: 5 ⅛” (130mm) Poly 8
R134a

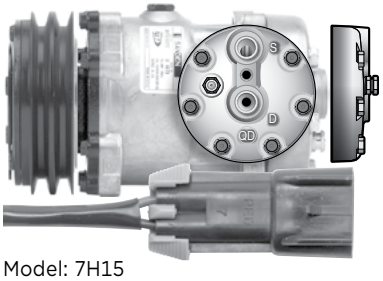
ABP N83 304642



Model: 5H09
Head: C
Voltage: 12
Mount: Ear
Sanden: 5080
Clutch: 4.9” (125mm) Poly 4 (PV4M1)
R-134a

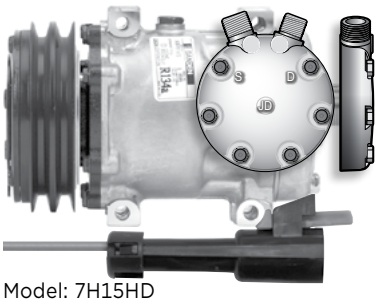
PHOTO REFERENCE

ABP N83 304652



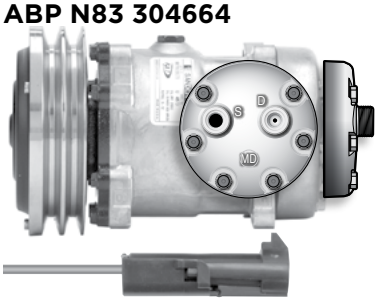
Model: 7H15
Head: QD
Voltage: 12
Mount: Ear
Sanden: 7803
Clutch: 4.9" (125mm) A2 Groove
R-134a

ABP N83 304654



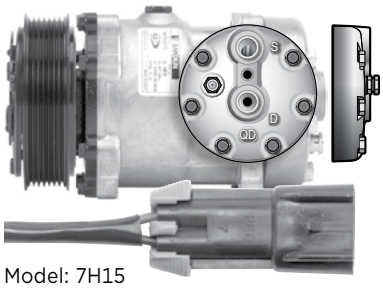
Model: 7H15HD
Head: JD
Voltage: 12
Mount: Direct
Sanden: 4894
Clutch: 5 ¼" (132mm) A2 Groove
R134a

ABP N83 304664



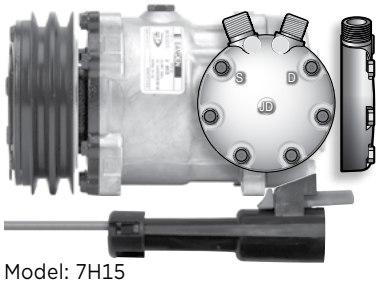
Model: 7H15SHD
Head: MD
Voltage: 24
Mount: Ear
Sanden: 4489
Clutch: 6" (152mm) A2 Groove
R134a

ABP N83 304672



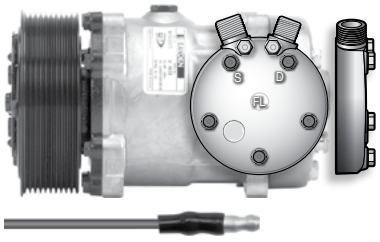
Model: 7H15
Head: QD
Voltage: 12
Mount: Ear
Sanden: 4542, 4618
Clutch: 4.7" (119mm) Poly 7
R-134a

ABP N83 304674



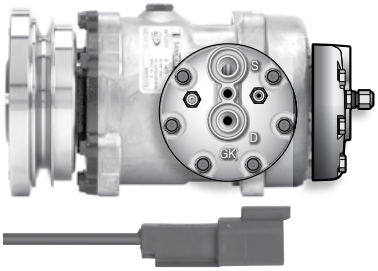
Model: 7H15
Head: JD
Voltage: 12
Mount: Ear
Sanden: 4896
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304682



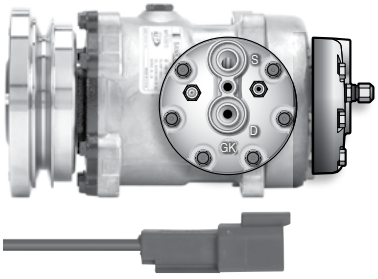
Model: 5H14
Head: FL
Voltage: 12
Mount: Ear
Sanden: 4508, 6656
Clutch: 4.9" (125mm) Poly 10
R-134a

ABP N83 304714



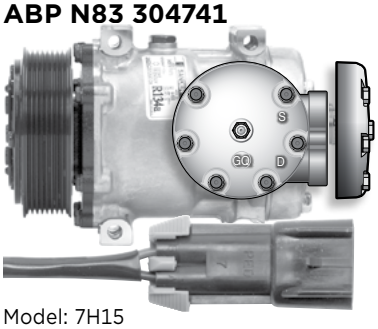
Model: 7H15SHD
Head: GK
Voltage: 24
Mount: Ear
Sanden: 4468, 4604, 4656, 8107
Clutch: 5 ½" (138mm) A1 Groove - Sealed
R134a

ABP N83 304721



Model: 7H15SHD
Head: GK
Voltage: 24
Mount: Ear
Sanden: 4479, 4640, 4658, 8109
Clutch: 6" (152mm) A1 Groove - Sealed
R134a

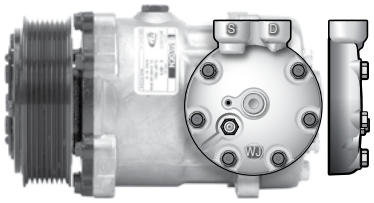
ABP N83 304741



Model: 7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4042, 4432, 4759
Clutch: 4.7" (119mm) Poly 8
R134a

PHOTO REFERENCE

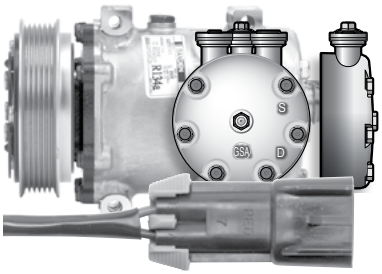
ABP N83 304753



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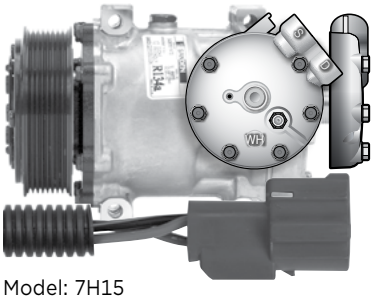
Model: 7H15HD
Head: WJ
Voltage: 12
Mount: Ear
Sanden: 4427, 4496, 4718
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304764



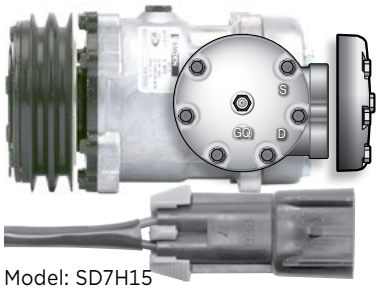
Model: SD7H15
Head: GSA
Voltage: 12
Mount: Direct
Sanden: 4079
Clutch: 4.9” (125mm) Poly 6
R-134a

ABP N83 304773



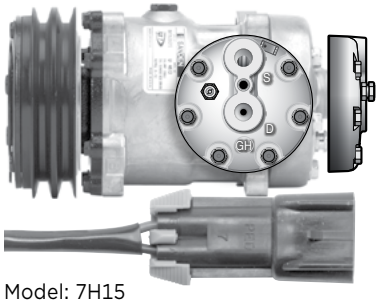
Model: 7H15
Head: WH
Voltage: 12
Mount: Direct
Sanden: 4474, 7804
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304774



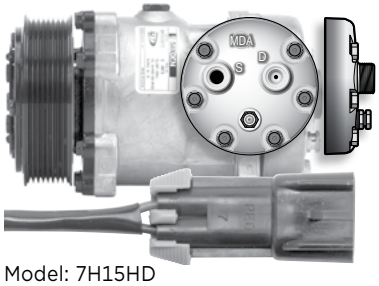
Model: SD7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4089
Clutch: 4.9” (125mm) A2 Groove
R134a

ABP N83 304803



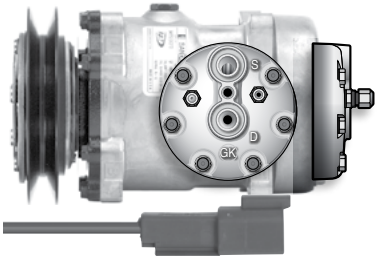
Model: 7H15
Head: GH
Voltage: 12
Mount: Ear
Sanden: 4429, 4472
Clutch: 5 ¼”(132mm) A2 Groove
R134a

ABP N83 304823



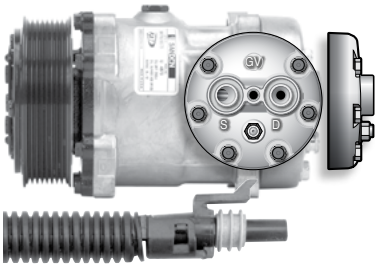
Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4431, 4477
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304824



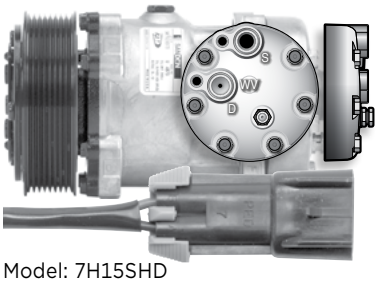
Model: SD7H15
Head: GK
Voltage: 24
Mount: Ear
Sanden: 4604
Clutch: 5 ½” (138mm) A1 Groove
R-134a

ABP N83 304833



Model: 7H15HD
Head: GV
Voltage: 12
Mount: Ear
Sanden: 4453, 4495
Clutch: 4.7” (119mm) Poly 8
R134a

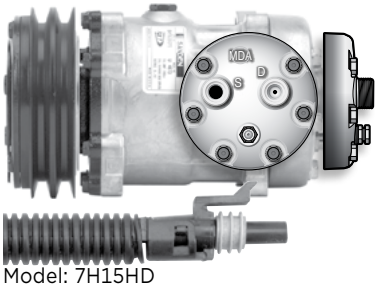
ABP N83 304834



Model: 7H15SHD
Head: WV
Voltage: 12
Mount: Ear
Sanden: 4490, 4716
Clutch: 5 ⅛” (130mm) Poly 8
R-134a

PHOTO REFERENCE

ABP N83 304843



Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4646
Clutch: 5 ¼" (132mm) A2 Groove
R134a

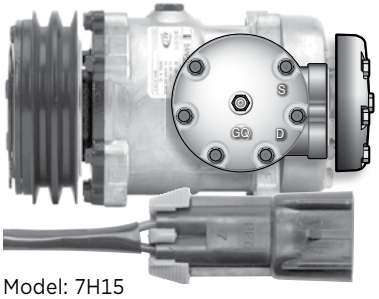
ABP N83 304844



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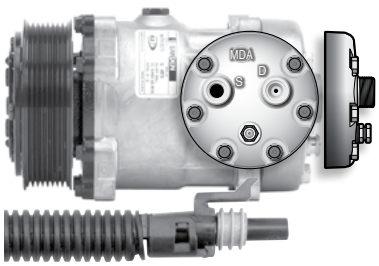
Model: SD7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4041, 4426, 4696
Clutch: 4.9" (125mm) A2 Groove
R-134a

ABP N83 304863



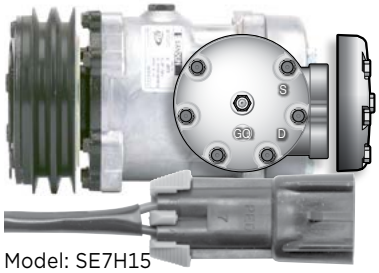
Model: 7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4041, 4426, 4696
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304873



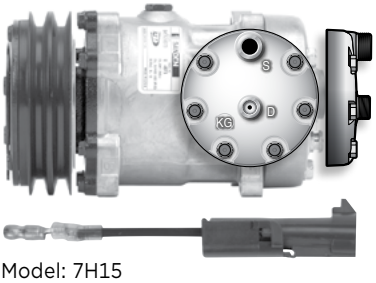
Model: 7H15
Head: MDA
Voltage: 12
Mount: Ear
Sanden: 4672
Clutch: 4.7" (119mm) Poly 8
R134a

ABP N83 304874



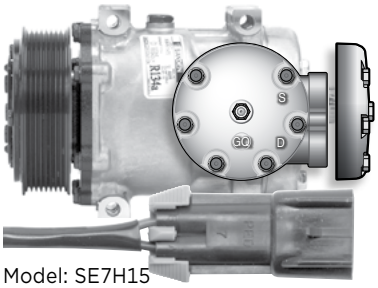
Model: SE7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 194696
Clutch: 5 ¼" (132mm) A2 Groove
R-134a

ABP N83 304883



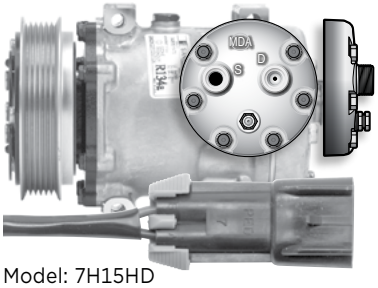
Model: 7H15
Head: KG
Voltage: 12
Mount: Ear
Sanden: 4709
Clutch: 4.9" (125mm) A2 Groove
R134a

ABP N83 304884



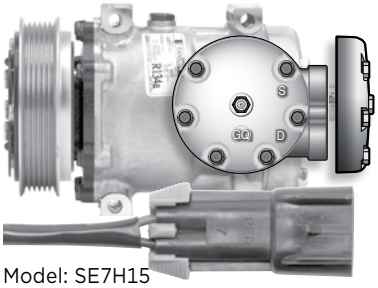
Model: SE7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 1027K8
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304893



Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4492, 4761, 4709
Clutch: 4.9" (125mm) Poly 6
R134a

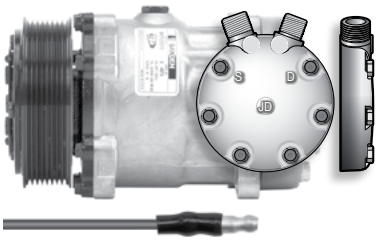
ABP N83 304894



Model: SE7H15
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 1027U3
Clutch: 4.9" (125mm) Poly 6
R-134a

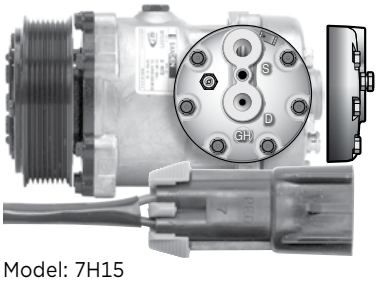
PHOTO REFERENCE

ABP N83 304912



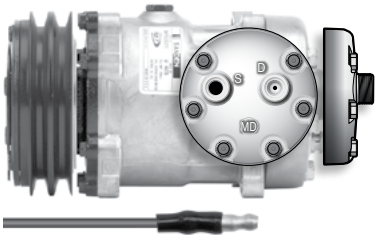
Model: 7H15
Head: JD
Voltage: 24
Mount: Ear
Sanden: 4762
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304913



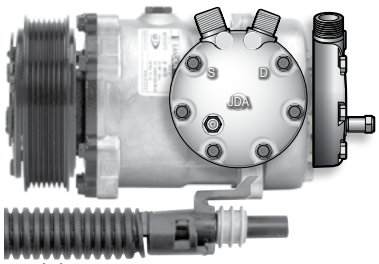
Model: 7H15
Head: GH
Voltage: 12
Mount: Ear
Sanden: 4820
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304922



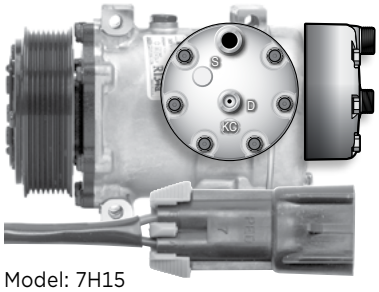
Model: 7H15
Head: MD
Voltage: 12
Mount: Ear
Sanden: 7819
Clutch: 4.9” (125mm) A2 Groove
R134a

ABP N83 304953



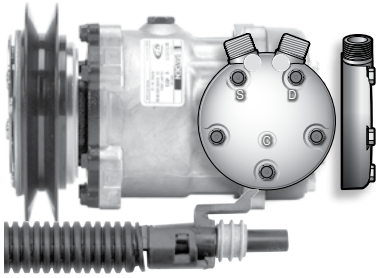
Model: 7H15HD
Head: JDA
Voltage: 12
Mount: Ear
Sanden: 4645
Clutch: 4.7” (119mm) Poly 7
R134a

ABP N83 304973



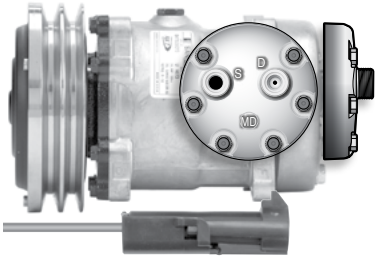
Model: 7H15
Head: KC
Voltage: 12
Mount: Direct
Sanden: 4667
Clutch: 4.7” (119mm) Poly 8
R134a

ABP N83 304983



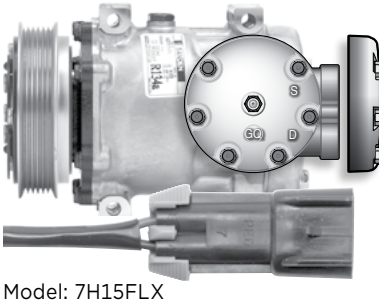
Model: 510
Head: C
Voltage: 12
Mount: Ear
Sanden: 9680
Clutch: 6 ¼” (158mm) Variable 1 Groove
R134a

ABP N83 304992



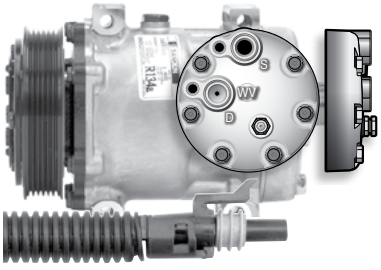
Model: 7H15SHD
Head: MD
Voltage: 12
Mount: Ear
Sanden: 4478, 4609
Clutch: 6” (152mm) A2 Groove - Sealed
R-134a

ABP N83 304993



Model: 7H15FLX
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4080
Clutch: 4.9” (125mm) Poly 6
R134a

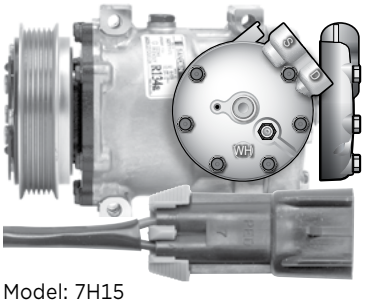
ABP N83 304994



Model: 7H15
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4326U
Clutch: 7” (180mm) Poly 6
R134a

PHOTO REFERENCE

ABP N83 304675

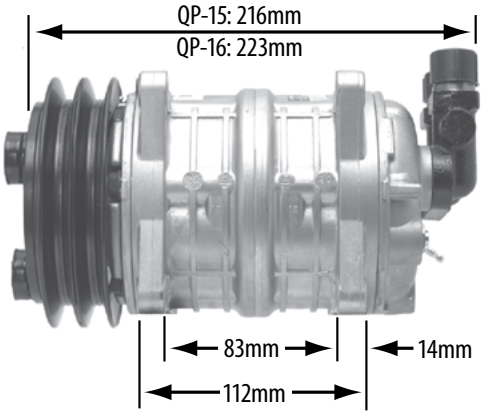


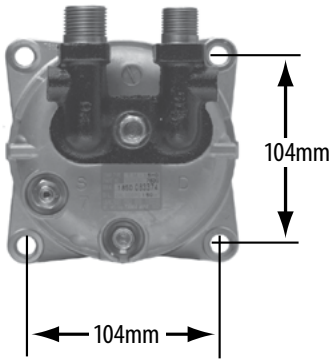
Model: 7H15
Head: WH
Voltage: 12
Mount: Direct
Sanden: 4119
Clutch: 4.9” (125mm) Poly 6
R134a

QP-15HD

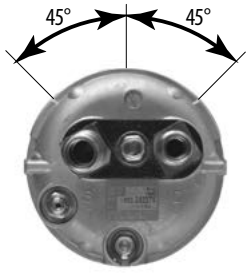
SPECIFICATIONS	
Bore	1.42in (36mm)
Stroke	0.94in (24mm)
Number of Cylinders	6
Maximum Allowable Continuous R.P.M. (Normal Operating Conditions)	6000
Refrigerant	HFC-134a, CFC-12
Lubricant	ZXL100PG, 150 cc Freol DS-83P, 150 cc
Rotation	Clockwise and Counterclockwise
QP15HD Ear Mount	
Displacement per Revolution (146cm3)	8.9cu.in
Weight	9.7lbs (4.4kg)
QP15HD Direct Mount	
Displacement per Revolution	9.0cu.in (147cm3)
Weight	9.9lbs (4.5kg)







NOTE: Photos at left and above are shown with one of several options for clutches and rear adapter ports.

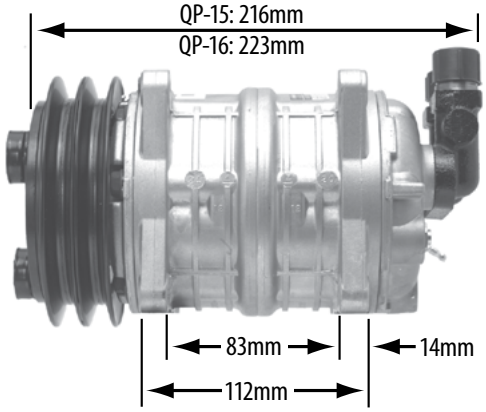


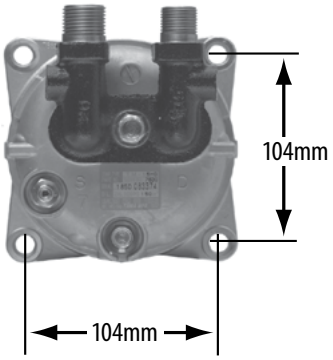
Mounting options up to 45° from vertical.

QP-16HD

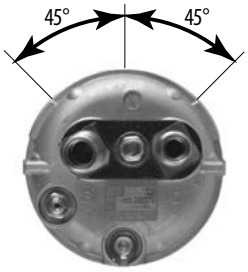
SPECIFICATIONS	
Bore	1.42in (36mm)
Stroke	1.05in (26.7mm)
Displacement per Revolution (163cm³)	9.95cu.in
Number of Cylinders	6
Maximum Allowable Continuous R.P.M. (Normal Operating Conditions)	6000
Refrigerant	HFC-134a, CFC-12
Lubricant	ZXL100PG, 150 cc Freol DS-83P, 150 cc
Weight	10.8lbs (4.9kg)
Rotation	Clockwise and Counterclockwise







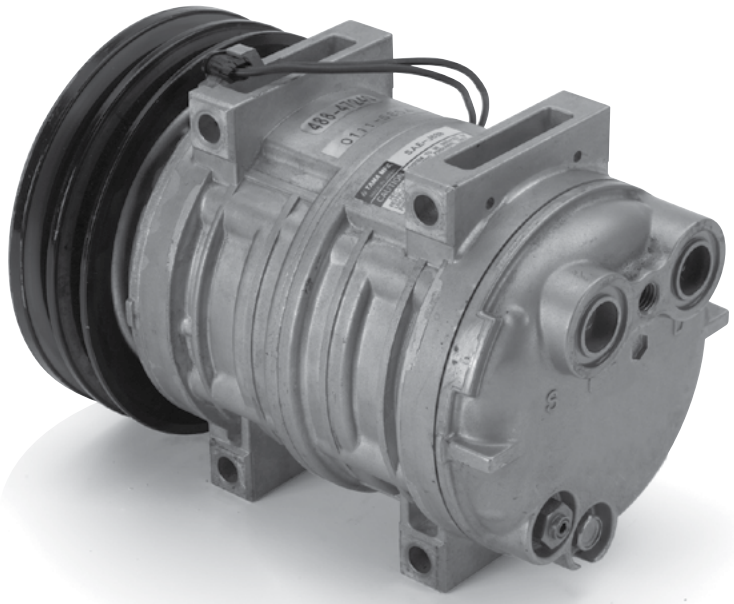
NOTE: Photos at left and above are shown with one of several options for clutches and rear adapter ports.

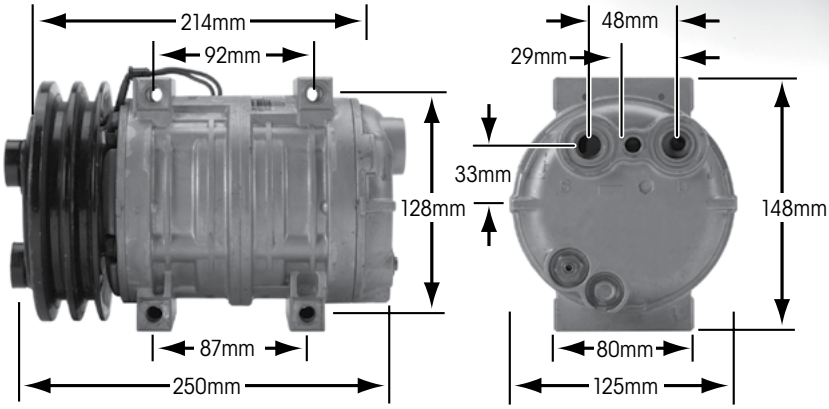


Mounting options up to 45° from vertical.

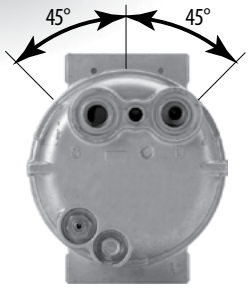
QP-21HD

SPECIFICATIONS	
Bore	1.26in (32mm)
Stroke	1.05in (26.7mm)
Displacement per Revolution (214.7cm³)	13.1cu.in
Number of Cylinders	10
Maximum Allowable Continuous R.P.M. (Normal Operating Conditions)	6000
Refrigerant	HFC-134a
Lubricant	(200cc) ZXL100PG
Weight	11.3lbs (5.1kg)
Rotation	Clockwise or Counterclockwise





NOTE: Photos at left and above are shown with one of several options for clutches and rear adapter ports.



Mounting options up to 45° from vertical.

HEAD TYPE - REAR PORT ADAPTERS

ABP N83 305505



Head Type A
Horizontal Male O-Ring
¾" X ⅞"

ABP N83 305510



Head Type B
Vertical Female O-Ring
¾" X ⅞"

ABP N83 305515



Head Type C
Horizontal Male O-Ring
1" X 14

ABP N83 305520



Head Type D
Vertical Male O-Ring
¾" X ⅞"

ABP N83 305525



Head Type E
Vertical Male O-Ring
1" X 14

FOR REFERENCE ONLY



Head Type F
Vertical O-Ring, R-12 Compressors
¾" X ⅞"



Head Type G
Vertical O-Ring, Top Outlet
TM31 Series — 1 1⁄16" X 1 ⅞"



Head Type H
Lateral Pad / Pad Fitting



Head Type J
GM Pad / Pad Fitting



Head Type L
Horizontal Pad / Volvo

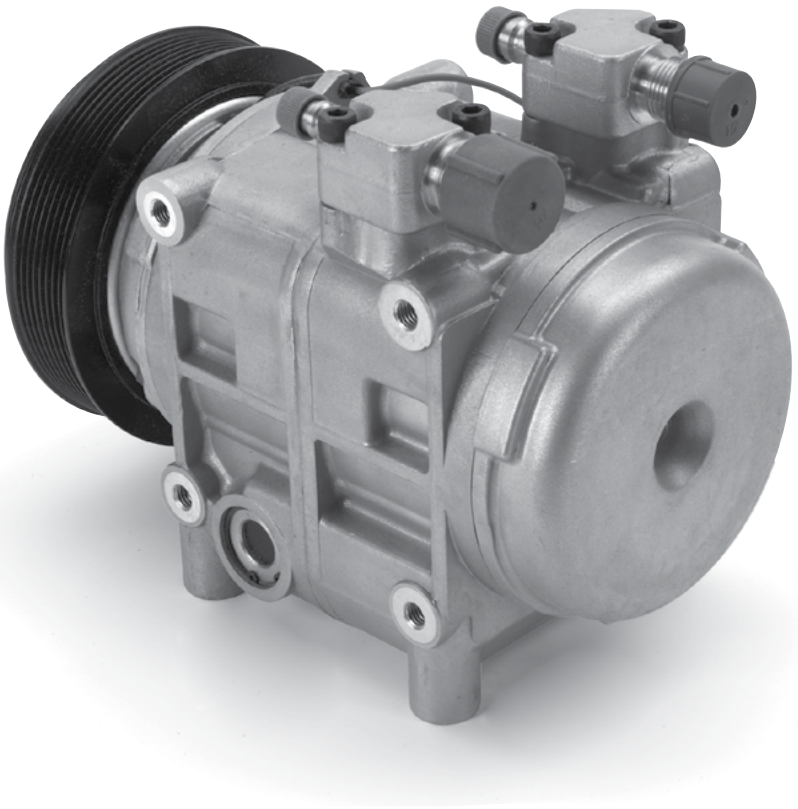


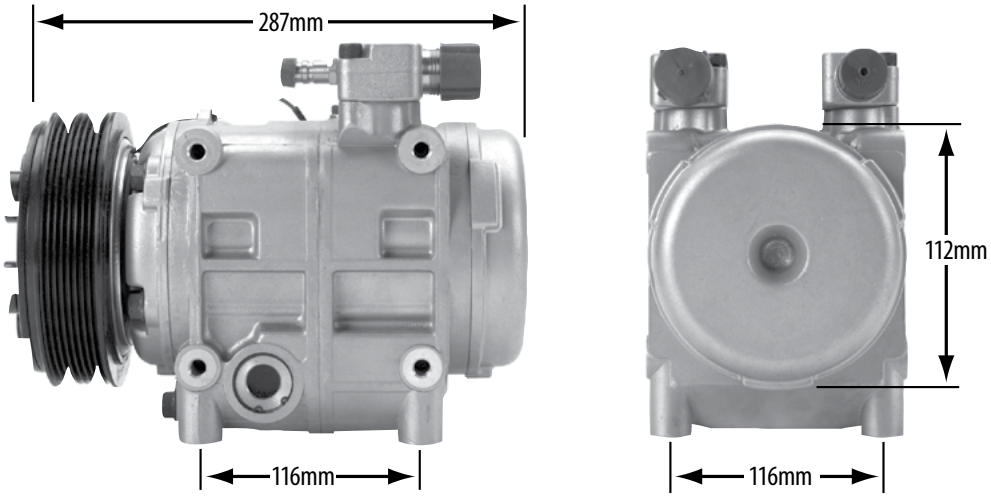
Head Type Z
Horizontal Pad / ¾" X ⅞"

QP-31

SPECIFICATIONS	
Bore	1.42in (36mm)
Stroke	1.21in (30.7mm)
Displacement per Revolution (313cm³)	19.1cu.in
Number of Cylinders	10
Maximum Allowable Continuous R.P.M. (Normal Operating Conditions)	6,000
Refrigerant	134a
Lubricant	PAG 16.9 oz.
Weight (includes clutch) (14.5kg)	31.9 lbs
Rotation	Clockwise

Photo is shown with one of two options for clutches.





PART NUMBER CROSS REFERENCE

Alliance Part Number	Vehicle Application	QUE P/N	Sanden P/N	OE P/N	DTNA P/N	Mack P/N	PACCAR P/N	Volvo P/N	MEI P/N	Red Dot P/N
ABP N83 304314Q	International Truck	QP7H15-4816	4544	3628700C1						
	International Truck		4676	3664395C1						
	International Truck		4816	3547917C1					5348	
	International Truck		4816	3547917C1					5348	
ABP N83 304669Q	International Truck	QP7H15-4546	4382	3615169C2						
	International Truck		4546	3628699C1						
	International Truck		4815	3547916C1					5347	
	International Truck		4815	3547916C1					5347	
ABP N83 304213Q	Volvo Truck	QP7H15-4890	4715	8082269				8082269	5382	
	Volvo Truck		4778	20370290				20370290	5389	
	Volvo Truck		4890	85104593			4890SAN	85104593	5389	
ABP N83 304363Q	Mack Truck	QP7H15-4644	4639	206RD413M		206RD413M			5764	RD-5-10297-1P
	Climatech		4644	LE1035			LE1620		5764	RD-5-11316-1P
	Kenworth		4644	LE1620			LE1620		5764	RD-5-11316-1P
	Paccar		4644	18-03787			LE1620		5764	RD-5-11316-1P
	Paccar		4644	LE1620			LE1620		5764	
	International Truck		4647	2032287C91	SKI 4647		F69-6001-253	8177090	5764	RD-5-11316-1P
	Paccar		4647	F69-6001-253	SKI 4647		F69-6001-253	8177090	5764	RD-5-11316-1P
	Paccar		4647	LE1135	SKI 4647		F69-6001-253	8177090	5764	RD-5-11316-1P
	Volvo Truck		4647	8177090	SKI 4647		F69-6001-253	8177090	5764	RD-5-11316-1P
	Climatech		4664	87026034			4664		5764	RD-5-10297-1P
ABP N83 304574Q	Volvo Truck	QP7H15-4893	4717	8082270				8082270	5384	RD-5-11343-1P
	Volvo Truck		4893	85104592			4893SAN	85104592	5384	RD-5-11343-1P
	Volvo Truck		4777	20370289				20370289	5388	
ABP N83 304624Q	Volvo Truck	QP7H15-4891	4085	20501069				20501069	5387	RD-5-11257-1P
	Volvo Truck		4494	20501069			4494SAN		5387	RD-5-11257-1P
	Volvo Truck		4757	8088112				8088112	5387	RD-5-11257-1P
	Volvo Truck		4891	20501069				20501069	5387	RD-5-11257-1P

PART NUMBER CROSS REFERENCE

Alliance Part Number	Vehicle Application	QUE P/N	Sanden P/N	OE P/N	DTNA P/N	Mack P/N	PACCAR P/N	Volvo P/N	MEI P/N	Red Dot P/N
ABP N83 304481Q	Paccar	QP7H15-4425	4080	F69-6003-121			F69-6003-121			
	Paccar		4377	F69-6003-121			F69-6003-121			
	Paccar		4425	F69-6001-121			F69-6001-121		5366	
	Paccar		4792	F69-6000			F69-6000		5366	
ABP N83 304241Q	Mack Truck	QP7H15-4883	4883	206RD51M	22-58414-000	206RD51M	4883	20514024		RD-5-12330-0P
ABP N83 304661Q	Paccar	QP7H15-4426	4041	F69-6001-231			F69-6001-231		5360	RD-5-10495-0P
	Paccar		4383	F69-6003-231			F69-6003-231			
	Paccar		4426	F69-6001-231			F69-6001-231		5360	RD-5-10495-0P
	Paccar		4696	F69-6001-231			F69-6001-231		5360	
	Paccar		4696	F69-1000			F69-1000		5360	RD-5-10495-0P
ABP N83 304741Q	Paccar	QP7H15-4432	4042	F69-6001-111					5365	
	Paccar		4077	F69-6003-111			F69-6003-111			
	Paccar		4368	F69-6003-111			F69-6003-111			
	Paccar		4432	F69-6001-111			F69-6001-111		5365	
	Kenworth		4759	F69-1003			F69-1003		5365	
ABP N83 304853Q	Paccar	QP7H15-4713	4713	18-04088			18-04088			
	Kenworth		4393	F69-6003-273			F69-6003-273			
	Climatech		4645	LE1150			4645SAN	85100864	5745	RD-5-11313-0P
	International Truck		4645	2003413C91			4645SAN	85100864	5745	RD-5-11313-0P
	Kenworth		4645	85100864			4645SAN	85100864	5745	RD-5-11313-0P
	Paccar		4645	1803788			4645SAN	85100864	5745	RD-5-11313-0P
	Paccar		4645	F696002243			4645SAN	85100864	5745	RD-5-11313-0P
ABP N83 304634Q	Volvo Truck	QP7H15-4892	4493	20501067			4493SAN		5385	RD-5-11256-1P
	Volvo Truck		4733	8080569				20388777	5363	RD-5-11256-1P
	Volvo Truck		4733	20388777				20388777	5363	RD-5-11256-1P
	Volvo Truck		4892	20501067				20501067	5385	RD-5-11256-1P
ABP N83 304163Q	Paccar	QP7H15-4424	4039	F69-6001-122			F69-6001-122		5362	
	Paccar		4079	F69-6003-122			F69-6003-122			
	Paccar		4376	F69-6003-122			F69-6003-122			
	Paccar		4424	F69-6001-122			F69-6001-122		5362	
	Paccar		4731	18-5000			18-05000		5362	
	Paccar		4731	F69-6001-122			F69-6001-122		5362	

PART NUMBER CROSS REFERENCE

Alliance Part Number	Vehicle Application	QUE P/N	Sanden P/N	OE P/N	DTNA P/N	Mack P/N	PACCAR P/N	Volvo P/N	MEI P/N	Red Dot P/N
ABP N83 304543QS	Freightliner	QP7H15-4417	4352	SKI4417S	ABP N83 304543S					
	Freightliner		4075	SKI4417S	ABP N83 304543S					
ABP N83 304543Q **ABP N83 304003Q**	Freightliner	QP7H15-4417S	4417	SKI4417	ABP N83 304543				5333	RD-5-11251-1P
	Sanden Aft		4485				4485SAN		5333	RD-5-11251-1P
	Freightliner		4818	SKI4818	ABP N83 304003				5333	RD-5-10268-1P
ABP N83 304553Q	Freightliner	QP7H15-4421	4421	SKI4421	ABP N83 304553				5331	RD-5-10267-1P
	Sanden Aft		4482	4482SAN					5331	RD-5-10267-1P
	Freightliner		4776	85100876	ABP N83 304772			85100876	5331	RD-5-10267-1P
			4808							
ABP N83 304573Q	Freightliner	QP7H15-4430	4019	22-64073-000						
	Freightliner		4430	ABP N83 304573	ABP N83 304573				5334	RD-5-11244-1P
	Sanden Aft		4076	SKI4430S	ABP N83 304573S					
	Freightliner		4549	SKI4430S	ABP N83 304573S					
	Sanden Aft		4473	LE1695			LE1695		5334	RD-5-11244-1P
	Freightliner		4819	SKI4819	ABP N83 304013				5334	RD-5-11339-1P
ABP N83 304593Q **ABP N83 304133Q**	Freightliner	QP7H15-4821	4429		ABP N83 304593				5336	RD-5-11243-0P
	Freightliner		4472						5336	RD-5-11243-0P
	Freightliner		4821	SKI4821	ABP N83 304023				5336	RD-5-10269-0P

NOTES

QUE SPECIFICATIONS

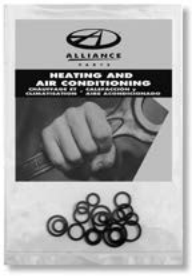
COMPRESSOR									
Alliance Part No.	Sanden Part No.	ICE Part No.	Seltec Part No.	Voltage	Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size
ABP N83 304015Q		2521167	488-45065	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304019Q		2521121	488-25011	12V	QP15HD	Ear	F	Vertical O-Ring	¾ x ⅞
ABP N83 304025Q		2521152	488-45011	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304029Q		2521129	488-25063	12V	QP15HD	Ear	F	Vertical O-Ring	¾ x ⅞
ABP N83 304035Q		2521153	488-45015	24V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304039Q		2521166	488-45063	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304045Q		2521192	488-46061	24V	QP16HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304102Q	4510			12v	QP5H14	Ear	FL	Vertical O-Ring	¾ x ⅞
ABP N83 304138				12	QP21HD	Direct		Horizontal Pad	Pad Fitting
ABP N83 304142Q	4745			24V	QP5H14	Ear	FL	Vertical O-Ring	¾ x ⅞
ABP N83 304163Q	4424			12V	QP7H15	Direct	GSA	Lateral Pad	¾ x ⅞
ABP N83 304199Q	4078, 4370			12V	QP7H15S	Direct	GQ	Lateral Pad	Pad
ABP N83 304235Q		2521168	488-45075	12V	QP15HD	Ear	C	Horizontal O-Ring	1" - 14
ABP N83 304239Q		2521158	488-45030	12V	QP15HD	Ear	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304241Q	4883			12V	QP7H15	Direct	JD	Vertical O-Ring	¾ x ⅞
ABP N83 304249		2521132	488-25077	12V	QP15HD	Ear	F	Vertical O-Ring	¾ x ⅞
ABP N83 304259Q		2521301	488-45077	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304269Q		2521180	488-46011	12V	QP16HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304279Q	4705	2521496		12V	QP16HD	Ear	GQ	Lateral Pad	¾ x ⅞
ABP N83 304289Q				12V	QP16HD	Direct	L	Horizontal O-Ring	¾ x ⅞
ABP N83 304314Q	4816		QP7H15-4816	12		Direct	GWA	Horizontal Pad	¾ x ⅞
ABP N83 304319Q	4815			12V	QP7H15	Direct	GWA	Horizontal Pad	¾ x ⅞
ABP N83 304324Q	4077, 4368			12V	QP7H15S	Direct	GQ	Lateral Pad	Pad
ABP N83 304329Q				12V	QP16HD	Direct	D	Vertical O-Ring	¾ x ⅞



CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

	CLUTCH					
Cubic Inches	Clutch Type	Gauge Line	Connector Type	Number of wires	Clutch Shaft Type	Alliance Clutch
8.9	6 ¼" (159mm) Variable Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303371**
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
8.9	5" (125mm) 1 Groove Overhang	2 7/16" (62mm)	Bullet	1	Spline	**ABP N83 303261**
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303417**
8.9	5" (125mm) 1 Groove Overhang	2 7/16" (62mm)	Bullet	1	Spline	**ABP N83 303261**
9.95	6 ¼" (159mm) Variable Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303427**
8.4	5 ¼ (132mm) 2 Groove	1 9/16 (40mm)	Bullet	1	Spline	
13.1	5" (127mm) Poly 10		Bullet	2	Spline	
8.4	6 ¼" (159mm) Variable Groove	1 9/16" (40mm)	Bullet	1	Spline	
9.5	4.9" (125mm) Poly 6	1 4/5" (46mm)	Metripak	2		
9.5	5" (126mm) Poly 12	2 1/5" (56mm)	Metripak	2	Key	
8.9	5" (125mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303462**
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
9.5	4.9" (125mm) Poly 6	2 13/16" (46mm)	Metripak	2	Spline	
8.9	5 ¼" (135mm) 2 Groove	-	Weatherpak	1	Spline	
8.9	5 ¼" (135mm) 2 Groove	-	Weatherpak	1	Spline	
9.95	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
9.5	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Metripak	2	Spline	**ABP N83 303357**
13.1	4 ¾ (119mm) Poly 8	2 (49mm)	Bullet	1	Spline	
9.5	4.7" (119mm) Poly 8		Metripak	2		
9.5	4.9" (125mm) Poly 6	2 13/16" (46mm)	Metripak	2	Spline	
9.5	4 ¾" (119mm) Poly 8	2" (49mm)	Metripak	2	Key	
9.5	5 ¼" (135mm) 2 Groove	2 ⅛ (54mm)	Bullet	1	Spline	



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

QUE SPECIFICATIONS

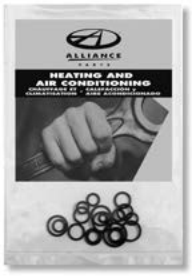
COMPRESSOR									
Alliance Part No.	Sanden Part No.	ICE Part No.	Seltec Part No.	Voltage	Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size
ABP N83 304339Q				12V	QP21	Direct	J	GM	Pad Fitting
ABP N83 304363Q	4644			12V	QP7H15	Ear	SNA	Vertical O-Ring	¾ x ⅞
ABP N83 304409Q		2521329	488-45094	12V	QP15HD	Ear	E	Vertical O-Ring	1" - 14
ABP N83 304419Q		2521316	488-45023	12V	QP15HD	Ear	E	Vertical O-Ring	1" - 14
ABP N83 304429Q		2521165	488-45061	24V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304439Q		2521279		24V	QP15HD	Ear	C	Horizontal O-Ring	¾ x ⅞
ABP N83 304443Q	4537			24V	QP5H14	Ear	K	Horizontal O-Ring	¾ x ⅞
ABP N83 304449Q		2521323	488-45068	12V	QP15HD	Ear	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304459Q		2521156	488-45019	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304469Q		2521268	488-45081	24V	QP15HD	Direct	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304479Q		2521280	488-45082	12V	QP15HD	Direct/ Tangential	D	Vertical O-Ring	¾ x ⅞
ABP N83 304481Q	4040, 4425, 4792, 1027U3			12V	QP7H15	Direct	GQ	Lateral Pad	¾ x ⅞
ABP N83 304489Q		2521281	488-45084	12V	QP15HD	Direct	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304499Q		2521170	488-45088	12V	QP15HD	Direct/ Tangential	D	Vertical O-Ring	¾ x ⅞
ABP N83 304509Q		2521282	488-45092	12V	QP15HD	Direct	D	Vertical O-Ring	¾ x ⅞
ABP N83 304519Q				12V	QP16HD	Ear	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304529Q		2521324	488-45069	12V	QP15HD	Ear	D	Vertical O-Ring	¾ x ⅞
ABP N83 304539Q		2521266	488-45122	12V	QP15HD	Ear	A	Horizontal O-Ring	¾ x ⅞
ABP N83 304543Q	4417			12V	QP7H15	Direct	GH	Horizontal Pad	¾ x ⅞
ABP N83 304543QS	4417S			12V	QP7H15	Direct	GH	Horizontal Pad	¾ x ⅞
ABP N83 304549Q		2521330	488-45097	12V	QP15HD	Ear	C	Horizontal O-Ring	1" - 14
ABP N83 304553Q					QP7H15	Direct	MDA	Horizontal O-Ring	1" - 14
ABP N83 304573Q					QP7H15	Direct	GH	Horizontal Pad	¾ x ⅞
ABP N83 304574Q	4893			12V	QP7H15	Ear	WV	Horizontal Pad	¾ x ⅞
ABP N83 304579Q				12V	QP21	Direct	J	GM	Pad Fitting
ABP N83 304589Q				24V	QP21	Direct	J	GM	Pad Fitting



CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

	CLUTCH					
Cubic Inches	Clutch Type	Gauge Line	Connector Type	Number of wires	Clutch Shaft Type	Alliance Clutch
13.1	5 ¾ (145 mm) 2GR	2 ⅛ (54mm)	Bullet	2	Spline	
9.5	5 ¼ (132mm) 2 Groove	1 9/16" (40mm)	Metripak	2	Spline	
8.9	6 ¼" (159mm) Variable Groove	1 ⅞" (47mm)	Bullet	1	Spline	**ABP N83 303371**
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
8.9	6 ¼" (159mm) Variable Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303427**
8.9	6 ¼" (159mm) Variable Groove	1 ⅞" (47mm)	Bullet	1	Spline	**ABP N83 303427**
8.4	5 ¼ (132mm) 2 Groove	1 9/16 (40mm)	Bullet	1	Spline	
8.9	4 ¾" (123mm) Poly 6	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303747**
8.9	4 ¾" (123mm) Poly 6	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303747**
9	6 ¼" (159mm) Variable Groove	1 ⅞" (47mm)	Bullet	1	Spline	**ABP N83 303427**
9	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303367**
9.5	4.9" (125mm) Poly 6	2 13/16" (46mm)	Weatherpak	2	Spline	
9	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303367**
9	4 ¾" (123mm) Poly 6	2 7/16" (62mm)	Bullet	1	Spline	**ABP N83 303377**
9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
9.95	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	
8.9	5 ¼" (135mm) 2 Groove	-	Bullet	1	Spline	**ABP N83 303452**
8.9	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303367**
9.5	4 ¾ (119mm) Poly 8	2" (49mm)	Metripak	2	Spline	
9.5	4 ¾ (119mm) Poly 8	2" (49mm)	Metripak	2	Spline	
8.9	4 ¾" (123mm) Poly 6	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303747**
9.5	4.7" (119mm) Poly 8	2" (49mm)	Metripak	2		
9.5	4.9" (125mm) Poly 6	1 4/5" (46mm)	Metripak	2		
9.5	5 ¼" (132mm) 2 Groove	1 9/16" (40mm)	Metripak	2	Spline	
13.1	5 (127mm) Poly 8	2 (49mm)	Bullet	2	Spline	
13.1	5 ¾ (145 mm) 2GR	2 ⅛ (54mm)	Bullet	2	Spline	



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

QUE SPECIFICATIONS

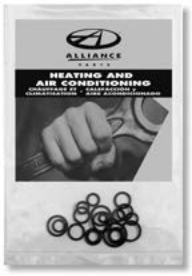
COMPRESSOR									
Alliance Part No.	Sanden Part No.	ICE Part No.	Seltec Part No.	Voltage	Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size
ABP N83 304599Q				12V	QP21	Direct	J	GM	**Pad Fitting**
ABP N83 304749Q		2521213	488-46540	12V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304624Q	4891			12V	QP7H15	Direct	WV	Horizontal Pad	**3⁄4 x 7⁄8**
ABP N83 304629Q		2521171	488-45120	12V	QP15HD	Ear	D	Vertical O-Ring	**3⁄4 x 7⁄8**
ABP N83 304639Q	4717	2521475		12V	QP16HD	Ear	WV	Horizontal Pad	**3⁄4 x 7⁄8**
ABP N83 304649Q	4716	2521493		12V	QP16HD	Ear	WV	Horizontal Pad	**3⁄4 x 7⁄8**
ABP N83 304676Q			QP16-1661	24		Direct	D	Vertical O-Ring	3⁄4 x 7⁄8
ABP N83 304689Q				24V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304699Q				24V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304709Q				12V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304719Q				24V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304729Q				12V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304739Q		2521186	488-46030	12V	QP16HD	Ear	A	Horizontal O-Ring	**3⁄4 x 7⁄8**
ABP N83 304741Q	4042, 4368, 4432, 4759, 1027K8			12V	QP7H15	Direct	GQ	Lateral Pad	**Pad**
ABP N83 304743Q		2521563	488-47246	24V	QP21HD	Direct	J	GM	**Pad Fitting**
ABP N83 304745		2521209	488-46500	12V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x 7⁄8**
ABP N83 304754Q		2521562	488-47244	12V	QP21HD	Direct	J	GM	**Pad Fitting**
ABP N83 304759Q		2521596	488-46059	12V	QP16HD	Ear	A	Horizontal O-Ring	**3⁄4 x 7⁄8**
ABP N83 304764Q	4079, 4376			12V	QP7H15S	Direct	GSA	Lateral Pad	**3⁄4 x 7⁄8**
ABP N83 304769Q		2521350	488-46075	12V	QP16HD	Ear	C	Horizontal O-Ring	**1" - 14**



CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

	CLUTCH					
Cubic Inches	Clutch Type	Gauge Line	Connector Type	Number of wires	Clutch Shaft Type	Alliance Clutch
13.1	5" (125mm) 6 Groove	2 13/16" (46mm)	Weatherpak	1	Spline	
19.1	6" (152 mm) Poly 8	2 5/8" (67mm)	Bullet	1	Spline	**ABP N83 303347**
9.5	4.9" (125mm) Poly 6	1 7/8" (47mm)	Metripak	2	Spline	
8.9	4 3/4" (123mm) Poly 8	1 11/32" (34mm)	Bullet	1	Spline	**ABP N83 303367**
9.5	5" (125mm) 2 Groove	1 9/16" (40mm)	Metripak	2	Spline	**ABP N83 303472**
9.5	4 3/4" (123mm) Poly 8	1 9/16" (40mm)	Metripak	2	Spline	**ABP N83 303357**
9.95	4 3/4 (119mm) Poly 8	2" (49mm)	Bullet	1	Spline	
19.1	6" (152 mm) Poly 8	2 5/8" (67mm)	Bullet	1	Spline	
19.1	6" (152 mm) Poly 8	2 5/8" (67mm)	Bullet	2	Spline	
19.1	6 1/4 (158mm) 2 Groove	3 (75mm)	Bullet	1	Spline	
19.1	6 1/4 (158mm) 2 Groove	3 (75mm)	Bullet	1	Spline	
19.1	6" (152 mm) Poly 8	2 5/8" (67mm)	Weatherpak	1	Spline	
9.95	5 1/4" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1		
9.5	4.7" (119mm) Poly 8	1 57/64" (48mm)	Metripak	2	Key	
13.1	5 1/2" (141mm) Poly 8	2" (51mm)	Bullet	2	Spline	
19.1	6" (152 mm) 2 Groove	3" (78mm)	Bullet	1	Spline	**ABP N83 303442**
13.1	5 1/2" (141mm) Poly 8	2" (51mm)	Bullet	2	Spline	
9.95	5 1/4" (135mm) 2 Groove	-	Weatherpak	1	Spline	
9.5	5" (126mm) Poly 6	1 4/5" (46mm)	Metripak	2	Key	
9.95	5" (125mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303472**



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

QUE SPECIFICATIONS

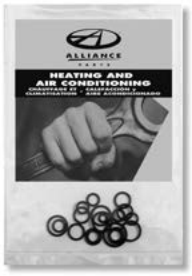
COMPRESSOR									
Alliance Part No.	Sanden Part No.	ICE Part No.	Seltec Part No.	Voltage	Model Type	Mount Type	Head Type †	Head Fitting Position	Head Fitting Size
ABP N83 304774Q	4401, 4426, 4696, 194696			12V	QP7H15	Ear	GQ	Lateral Pad	**Pad**
ABP N83 304774QS	4089, 4383			12V	QP7H15S	Ear	GQ	Lateral Pad	**Pad**
ABP N83 304779Q		2521154	488-45017	24V	QP15HD	Ear	A	Horizontal O-Ring	**¾ x ⅞**
ABP N83 304784Q	4604			24V	QP7H15	Ear	GK	Horizontal Pad	**Pad**
ABP N83 304789Q		2521194	488-46073	24V	QP16HD	Ear	A	Horizontal O-Ring	**¾ x ⅞**
ABP N83 304799Q		2521294	488-45090	24V	QP15HD	Direct	D	Vertical O-Ring	**¾ x ⅞**
ABP N83 304853Q	4713			12V	QP7H15	Ear	JDA	Horizontal Pad	**¾ x ⅞**
ABP N83 304859Q		2521581		12V	QP16HD	Ear	E	Vertical O-Ring	**1" - 14**
ABP N83 304869Q				12V	QP16HD	Direct	A	Horizontal O-Ring	**¾ x ⅞**
ABP N83 304879Q				24V	QP31HD	Direct/ Tangential	G	Top Outlet	**1 1⁄16 x ⅞**
ABP N83 304899Q				12V	QP16HD	Ear	E	Vertical O-Ring	**1" - 14**
ABP N83 304904Q	4039, 4424, 4731, 1027T6			12V	QP7H15	Direct	GH	Horizontal Pad	**¾** x ⅞
ABP N83 304993Q	4080, 4377			12V	QP7H15S	Direct	GQ	Lateral Pad	Pad



CLUTCH VARIATIONS Left to Right:
Two "A" Section — Fits ½" Wide Belt
One Variable Groove — Fits ½", ⅝" & ¾" Wide Belt
One "A" Section Overhang — Fits ½" Wide Belt
Poly V Groove

* R-12 compressors
† Head Type = see photo reference on following pages
LS = Limited to stock on hand

	CLUTCH					
Cubic Inches	Clutch Type	Gauge Line	Connector Type	Number of wires	Clutch Shaft Type	Alliance Clutch
9.5	4.9" (125mm) A2 Groove	.94" (24mm)	Metripak	2	Key	
9.5	4.9" (125mm) A2 Groove	.94" (24mm)	Metripak	2	Key	
8.9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303417**
9.5	6" (152mm) A1 Groove	1 9/16" (40mm)	Metripak	2	Spline	
9.95	6 ¼" (159mm) Variable Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303427**
9	5 ¼" (135mm) 2 Groove	1 9/16" (40mm)	Bullet	1	Spline	**ABP N83 303417**
9.5	5" (125mm) 2 Groove	1 9/16" (40mm)	Weatherpak	1	Spline	
9.95	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Weatherpak	1	Spline	
13.1	4 ¾ (119mm) Poly 8	2" (49mm)	Bullet	1	Spline	
19.1	6" (152mm) Poly 10	2 23/32 (69mm)	Weatherpak	1	Spline	
9.95	4 ¾" (123mm) Poly 8	1 11/32" (34mm)	Bullet	1	Spline	
9.5	4.9" (125mm) Poly 6	1 ¾" (45mm)	Metripak	2	Spline	
9.5	4.9" (125mm) Poly 6	1 4/5" (46mm)	Metripak	2	Key	

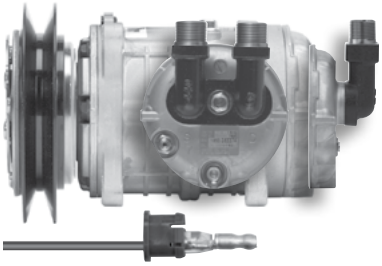


Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125

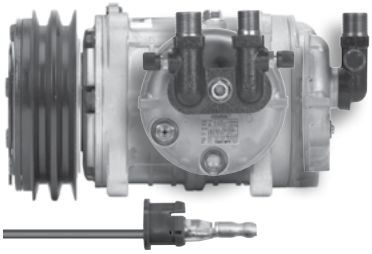
PHOTO REFERENCE

ABP N83 304015Q



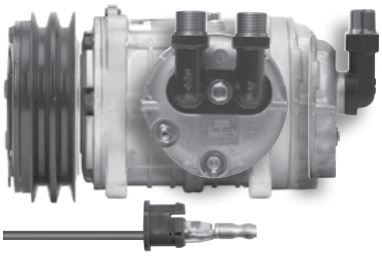
Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521167
Seltec P/N: 488-45065
Clutch: 6 ¼" (159mm) Variable 1 Groove
R-134a

ABP N83 304019Q



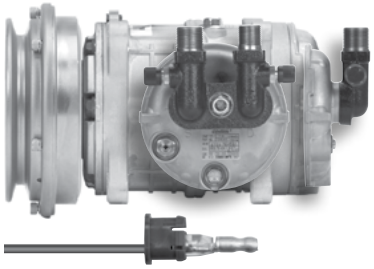
Model: QP-15HD
Head: F
Voltage: 12
Mount: Ear
ICE P/N: 2521121
Seltec P/N: 488-25011
Clutch: 5 ¼" (135mm) 2 Groove
R-12

ABP N83 304025Q



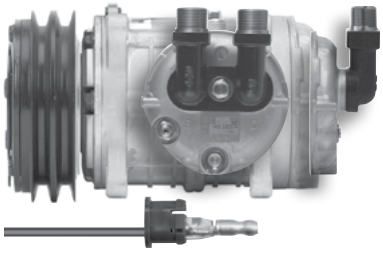
Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521152
Seltec P/N: 488-45011
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304029Q



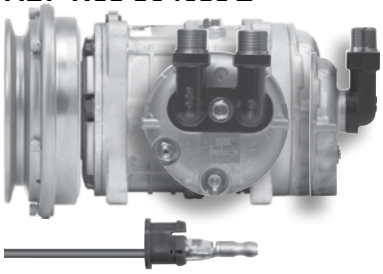
Model: QP-15HD
Head: F
Voltage: 12
Mount: Ear
ICE P/N: 2521129
Seltec P/N: 488-25063
Clutch: 5" (125mm) 1 Groove overhang
R-12

ABP N83 304035Q



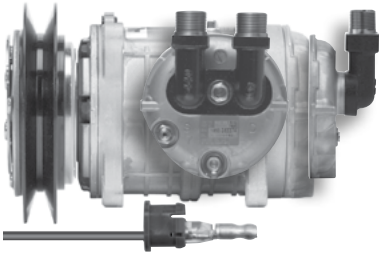
Model: QP-15HD
Head: D
Voltage: 24
Mount: Ear
ICE P/N: 2521153
Seltec P/N: 488-45015
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304039Q



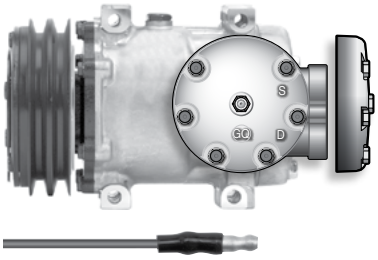
Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521166
Seltec P/N: 488-45063
Clutch: 5" (125mm) 1 Groove overhang
R-134a

ABP N83 304045Q



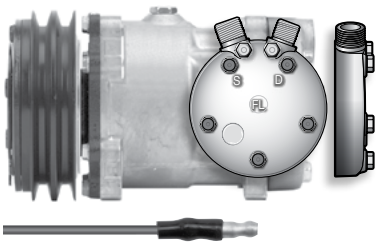
Model: QP-16HD
Head: D
Voltage: 24
Mount: Ear
ICE P/N: 2521192
Seltec P/N: 488-46061
Clutch: 6 ¼" (159mm) Variable 1 Groove
R-134a

ABP N83 304049Q



Model: QP15HD
Head: A
Voltage: 12
Mount: Direct
Sanden:
Clutch: 4.9" (125mm) 2 Groove
R-134a

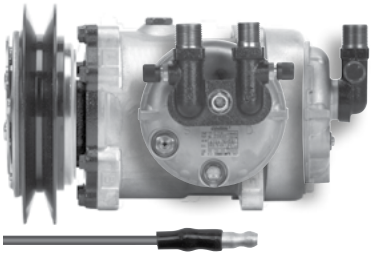
ABP N83 304102Q



Model: QP-SH14HD
Head: FL
Voltage: 12
Mount: Ear
Sanden: 4509, 4510, 6664
Clutch: 5 ¼" (132mm) A2 Groove
R-134a

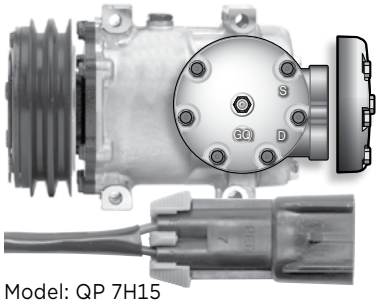
PHOTO REFERENCE

ABP N83 304142Q



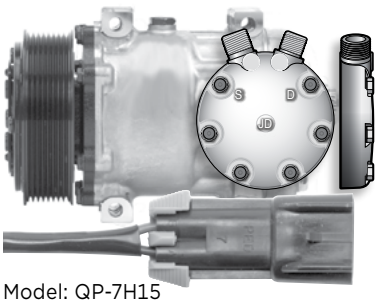
Model: QP-5H14
Head: FL
Voltage: 24
Mount: Ear
Clutch: 6 ¼" (159mm) Variable Groove
R-134a

ABP N83 304213Q



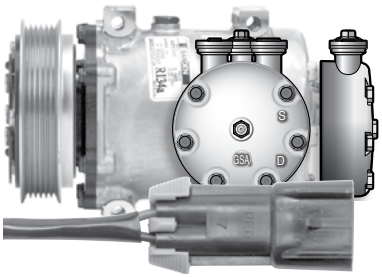
Model: QP 7H15
Head: WV
Voltage: 12
Mount: Direct
Sanden: 4080, 4377
Clutch: 5 ¼" (132mm) 2 Groove
R-134a

ABP N83 304241Q



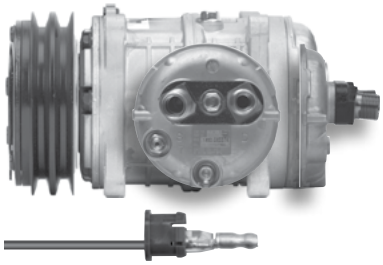
Model: QP-7H15
Head: JD
Voltage: 12
Mount: Direct
Clutch: 4.9" (125mm) Poly 6
R-134a

ABP N83 304163Q



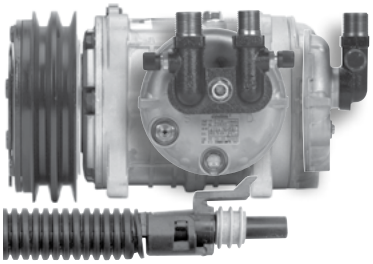
Model: 7H15
Head: GSA Voltage: 12
Mount: Direct
Sanden: 4039, 4424, 4731
Clutch: 4.9" (125mm) Poly 6
R134a

ABP N83 304235Q



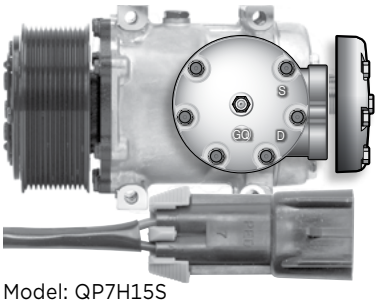
Model: QP-15HD
Head: C
Voltage: 12
Mount: Ear
ICE P/N: 2521168
Seltec P/N: 488-45075
Clutch: 5" (125mm) 2 Groove
R-134a

ABP N83 304249



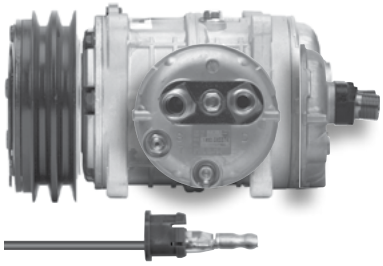
Model: QP-15HD
Head: F
Voltage: 12
Mount: Ear
ICE P/N: 2521132
Seltec P/N: 488-25077
Clutch: 5 ¼" (135mm) 2 Groove
R-12

ABP N83 304199Q



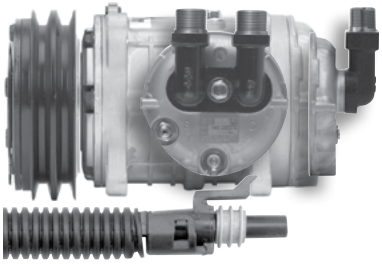
Model: QP7H15S
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4078, 4370
Clutch: 5" (126mm) Poly 12
R-134a

ABP N83 304239Q



Model: QP-15HD
Head: A
Voltage: 12
Mount: Ear
ICE P/N: 2521158, 2521479
Seltec P/N: 488-45030
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

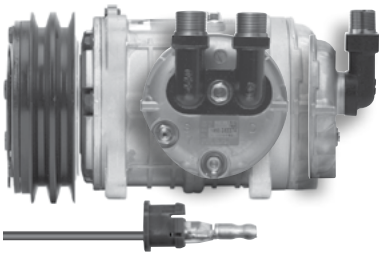
ABP N83 304259Q



Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521301
Seltec P/N: 488-45077
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

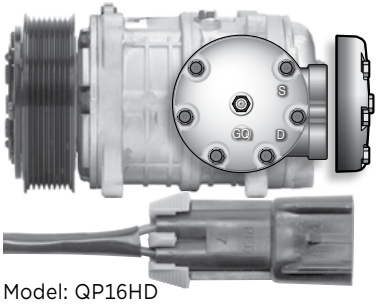
PHOTO REFERENCE

ABP N83 304269Q



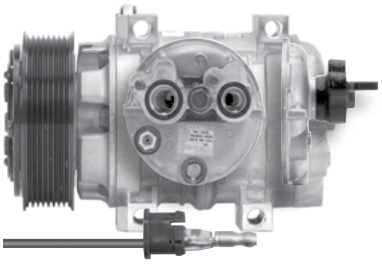
Model: QP-16HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521180
Seltec P/N: 488-46011
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304279Q



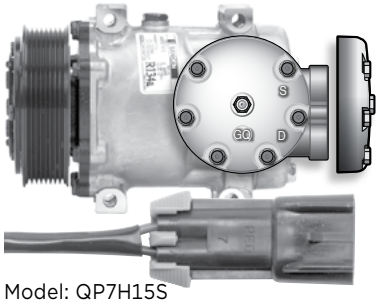
Model: QP16HD
Head: GQ
Voltage: 12
Mount: Ear
ICE P/N: 2521496
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304289Q



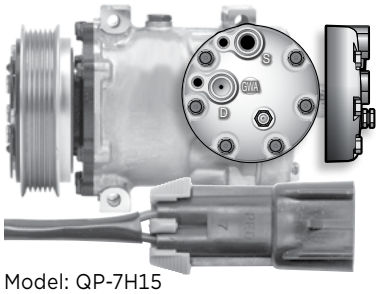
Model: QP16HD
Head: L
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521280
Seltec P/N: 488-45082
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304314Q



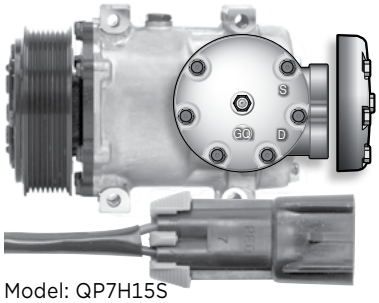
Model: QP7H15S
Head: GWA
Voltage: 12
Mount: Direct
Sanden:
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304319Q



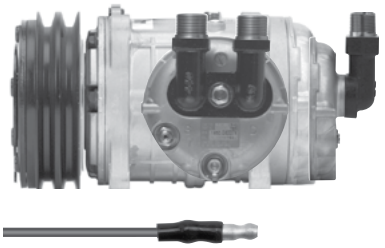
Model: QP-7H15
Head: GWA
Voltage: 12
Mount: Direct
Clutch: 4.9" (125mm) Poly 6
R-134a

ABP N83 304324Q



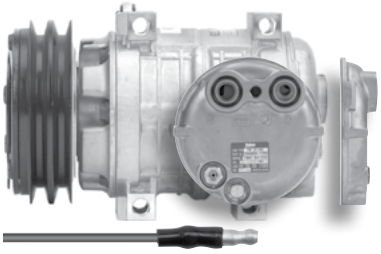
Model: QP7H15S
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4077, 4368
Clutch: 4 ¾" (119mm) Poly 8
R-134a

ABP N83 304329Q



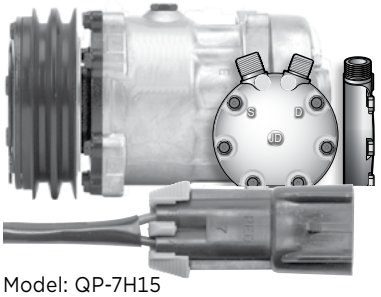
Model: QP16HD
Head: D
Voltage: 12
Mount: Direct
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304339Q



Model: QP21
Head: J
Voltage: 12
Mount: Direct
Clutch: 5 ¾ (145 mm) 2GR
R-134a

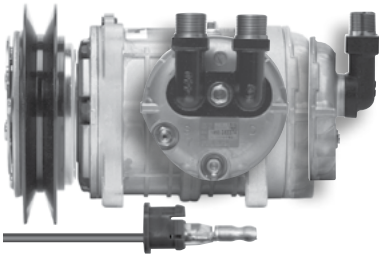
ABP N83 304363Q



Model: QP-7H15
Head: SNA
Voltage: 12
Mount: Ear
Clutch: 5 ¼ (132mm) 2 Groove
R-134a

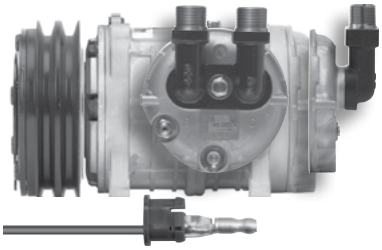
PHOTO REFERENCE

ABP N83 304409Q



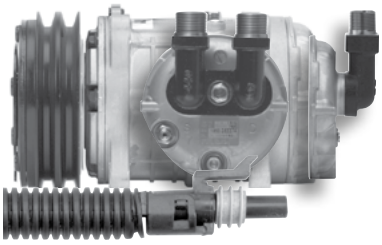
Model: QP-15HD
Head: E
Voltage: 12
Mount: Ear
ICE P/N: 2521329
Seltec P/N: 488-45094
Clutch: 6 ¼" (159mm) 1 Variable Groove
R-134a

ABP N83 304419Q



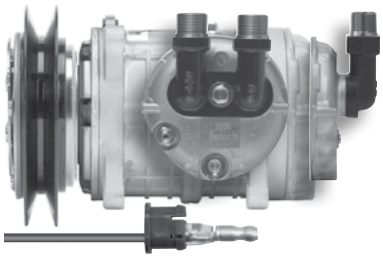
Model: QP-15HD
Head: E
Voltage: 12
Mount: Ear
ICE P/N: 2521316
Seltec P/N: 488-45023
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304420Q



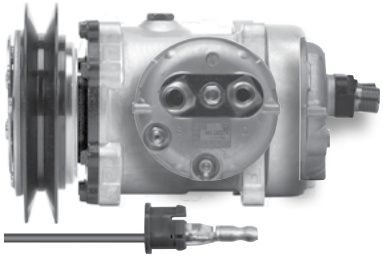
Model: QP15HD
Head: E
Voltage: 12
Mount: Ear
Clutch: 5" (125mm) 2 Groove
R-134a

ABP N83 304429Q



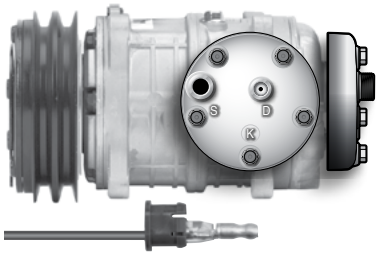
Model: QP-15HD
Head: D
Voltage: 24
Mount: Ear
ICE P/N: 2521165
Seltec P/N: 488-45061
Clutch: 6 ¼" (159mm) Variable 1 Groove
R-134a

ABP N83 304439Q



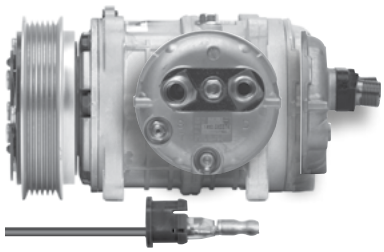
Model: QP-15HD
Head: C
Voltage: 24
Mount: Ear
ICE P/N: 2521279
Seltec P/N: 488-45073
Clutch: 6 ¼" (159mm) 1 Groove
R-134a

ABP N83 304443Q



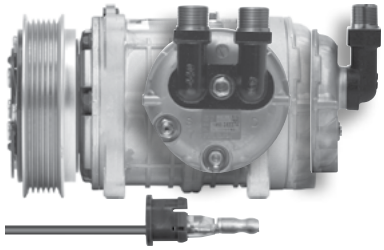
Model: QP-15HD
Head: K
Voltage: 12
Mount: Ear
ICE P/N: 2521121
Seltec P/N: 488-25011
Clutch: 5 ¼" (135mm) 2 Groove
R-12

ABP N83 304449Q



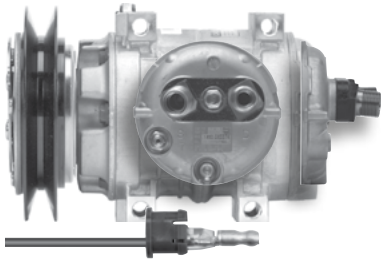
Model: QP-15HD
Head: A
Voltage: 12
Mount: Ear
ICE P/N: 2521323
Seltec P/N: 488-45068
Clutch: 4 ¾" (123mm) Poly 6
R-134a

ABP N83 304459Q



Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521156
Seltec P/N: 488-45019
Clutch: 4 ¾" (123mm) Poly 6
R-134a

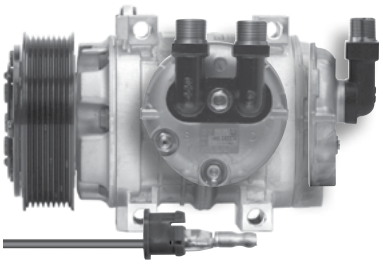
ABP N83 304469Q



Model: QP-15HD
Head: A
Voltage: 24
Mount: Direct
ICE P/N: 2521268
Seltec P/N: 488-45081
Clutch: 6 ¼" (159mm) Variable 1 Groove
R-134a

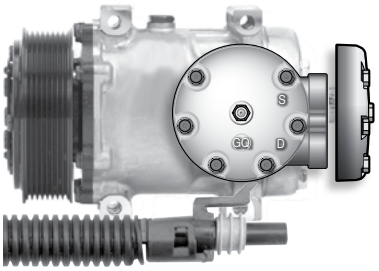
PHOTO REFERENCE

ABP N83 304479Q



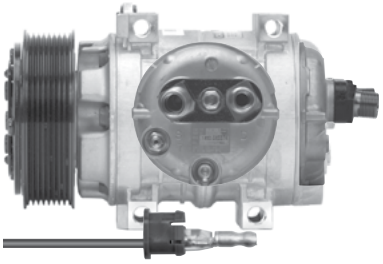
Model: QP-15HD
Head: D
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521280
Seltec P/N: 488-45082
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304481Q



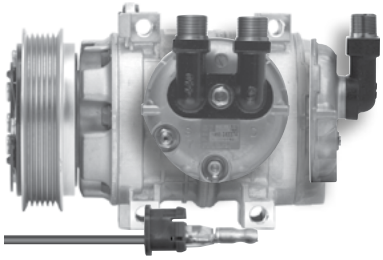
Model: QP-7H15
Head: GQ
Voltage: 12
Mount: Direct
Clutch: 4.9" (125mm) Poly 6
R-134a

ABP N83 304489Q



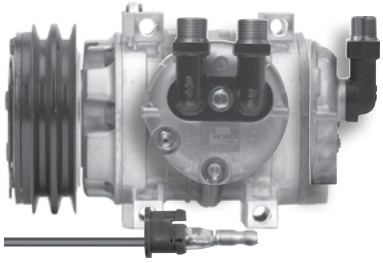
Model: QP-15HD
Head: A
Voltage: 12
Mount: Direct
ICE P/N: 2521281
Seltec P/N: 488-45084
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304499Q



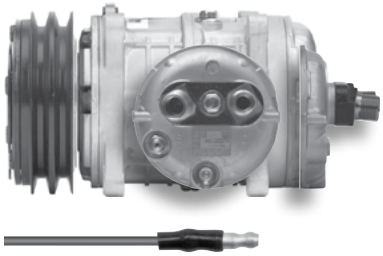
Model: QP-15HD
Head: D
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521170
Seltec P/N: 488-45088
Clutch: 4 ¾" (123mm) Poly 6
R-134a

ABP N83 304509Q



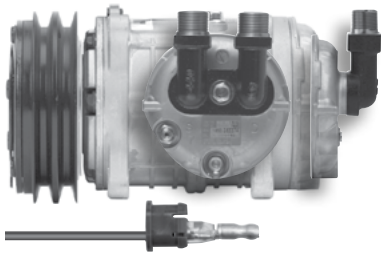
Model: QP-15HD
Head: D
Voltage: 12
Mount: Direct
ICE P/N: 2521282
Seltec P/N: 488-45092
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304519Q



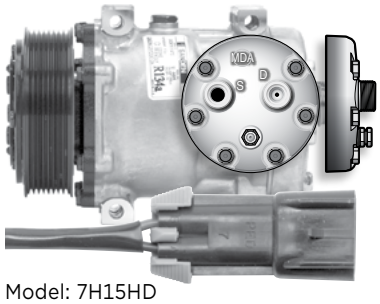
Model: QP16HD
Head: A
Voltage: 12
Mount: Ear
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304529Q



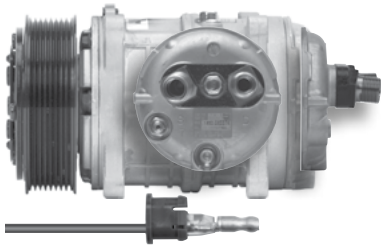
Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521324
Seltec P/N: 488-45069
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304533Q



Model: 7H15HD
Head: MDA
Voltage: 12
Mount: Direct
Sanden: 4776
Clutch: 4.7" (119mm) Poly 8
R-134a

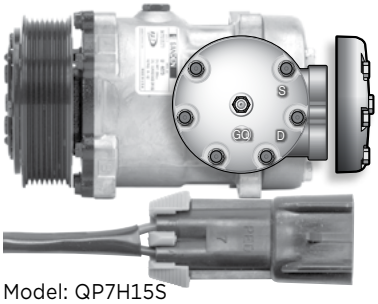
ABP N83 304539Q



Model: QP-15HD
Head: A
Voltage: 12
Mount: Ear
ICE P/N: 2521266
Seltec P/N: 488-45122
Clutch: 4 ¾" (123mm) Poly 8
R-134a

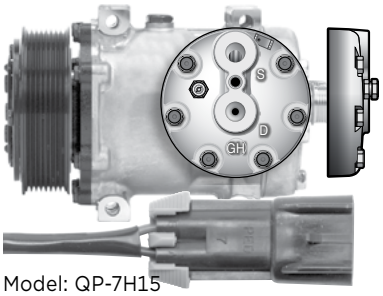
PHOTO REFERENCE

ABP N83 304543Q



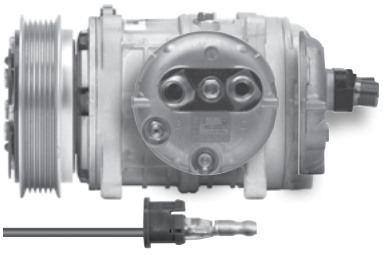
Model: QP7H15S
Head: GH
Voltage: 12
Mount: Direct
Sanden:
Clutch: Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304543Q/ ABP N83 304543QS



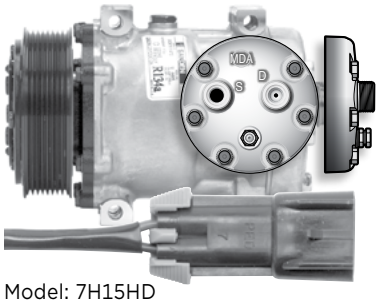
Model: QP-7H15
Head: GH
Voltage: 12V
Mount: Direct
Clutch: 4 ¾ (119mm) Poly 8
R-134a

ABP N83 304549Q



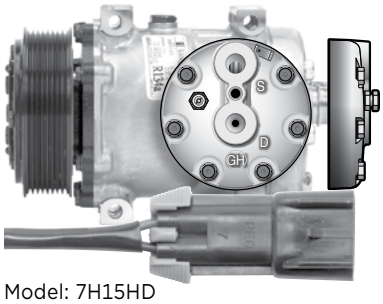
Model: QP-15HD
Head: C
Voltage: 12
Mount: Ear
ICE P/N: 2521330
Seltec P/N: 488-45097
Clutch: 4 ¾” (123mm) Poly 6
R-134a

ABP N83 304553Q



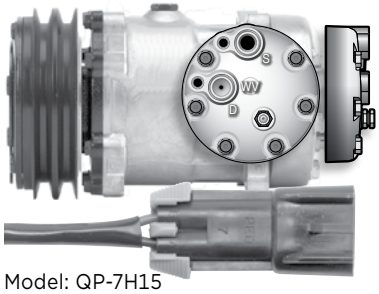
Model: 7H15HD
Head: MDA Voltage: 12
Mount: Direct
Sanden: 4776
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304573Q



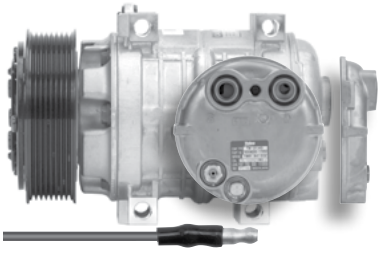
Model: 7H15HD
Head: GH Voltage: 12
Mount: Direct
Sanden: 4776
Clutch: 4.7” (119mm) Poly 8
R-134a

ABP N83 304574Q



Model: QP-7H15
Head: WV
Voltage: 12
Mount: Ear
Clutch: 5 ¼” (132mm) 2 Groove
R-134a

ABP N83 304579Q



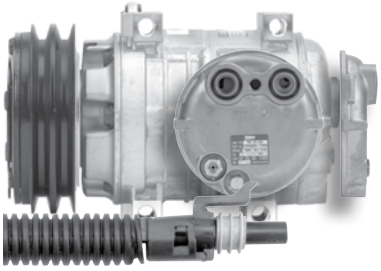
Model: QP21
Head: J
Voltage: 12
Mount: Direct
Clutch: 5 (127mm) Poly 8
R-134a

ABP N83 304589Q



Model: QP21
Head: J
Voltage: 24
Mount: Direct
Clutch: 5 ¾ (145 mm) 2GR
R-134a

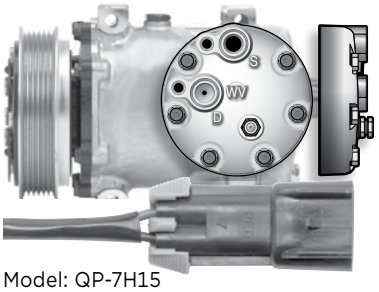
ABP N83 304599Q



Model: QP21
Head: J
Voltage: 12
Mount: Direct
Clutch: 5” (125mm) 2 Groove
R-134a

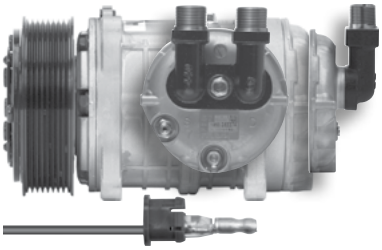
PHOTO REFERENCE

ABP N83 304624Q



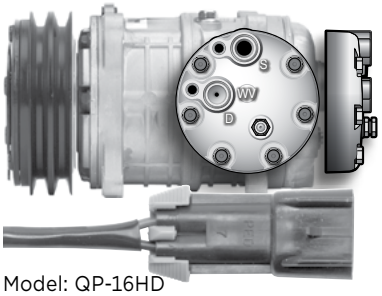
Model: QP-7H15
Head: WV
Voltage: 12
Mount: Direct
Clutch: 4.9" (125mm) Poly 6
R-134a

ABP N83 304629Q



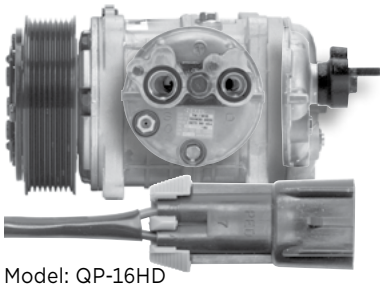
Model: QP-15HD
Head: D
Voltage: 12
Mount: Ear
ICE P/N: 2521171
Seltec P/N: 488-45120
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304639Q



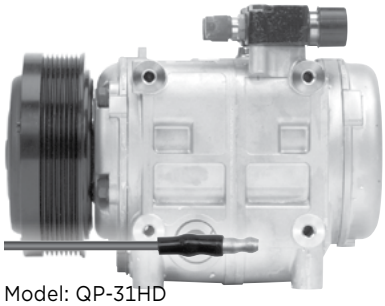
Model: QP-16HD
Head: WV
Voltage: 12
Mount: Ear
ICE P/N: 2521475
Clutch: 5" (125mm) 2 Groove
R-134a

ABP N83 304649Q



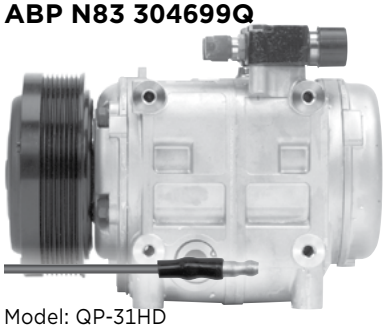
Model: QP-16HD
Head: L
Voltage: 12
Mount: Ear
ICE P/N: 2521493
Clutch: 4 ¾" (123mm) Poly 8
R-134a

ABP N83 304689Q



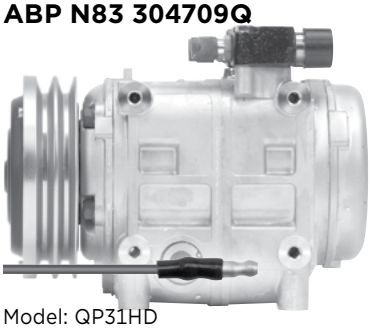
Model: QP-31HD
Head: G
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521213
Seltec P/N: 488-46540
Clutch: 6" (152mm) Poly 8
R-134a

ABP N83 304699Q



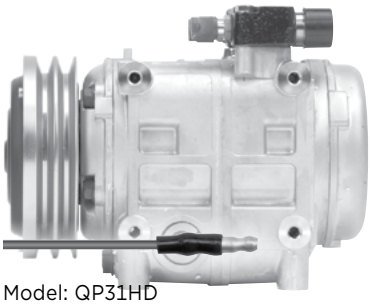
Model: QP-31HD
Head: G
Voltage: 24
Mount: Direct/ Tangential
Clutch: 6" (152 mm) Poly 8
R-134a

ABP N83 304709Q



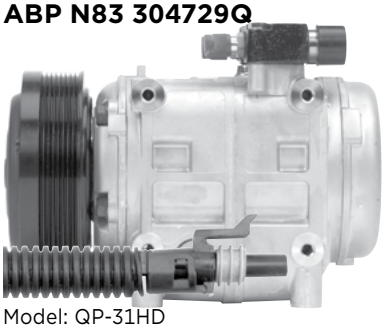
Model: QP31HD
Head: G
Voltage: 12
Mount: Direct/ Tangential
Clutch: 6 ¼ (158mm) 2 Groove
R-134a

ABP N83 304719Q



Model: QP31HD
Head: G
Voltage: 24
Mount: Direct/ Tangential
Clutch: 6 ¼ (158mm) 2 Groove
R-134a

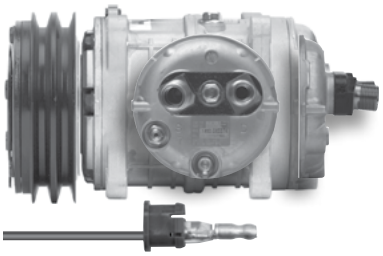
ABP N83 304729Q



Model: QP-31HD
Head: G
Voltage: 12
Mount: Direct/ Tangential
Clutch: 6" (152 mm) Poly 8
R-134a

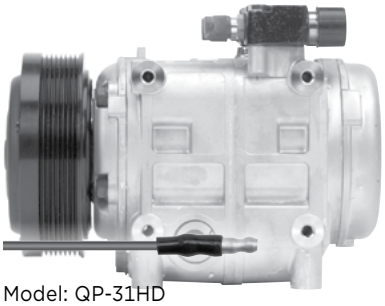
PHOTO REFERENCE

ABP N83 304739Q



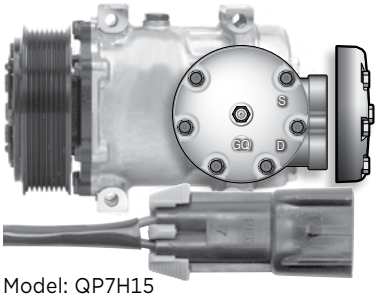
Model: QP-16HD
Head: A
Voltage: 12
Mount: Ear
ICE P/N: 2521186
Seltec P/N: 488-46030
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304749Q



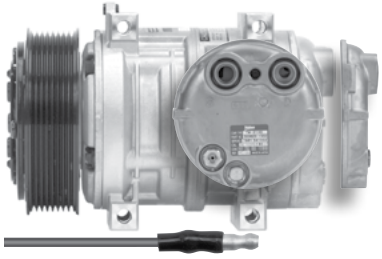
Model: QP-31HD
Head: G
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521213
Seltec P/N: 488-46540
Clutch: 6" (152mm) Poly 8
R-134a

ABP N83 304741Q



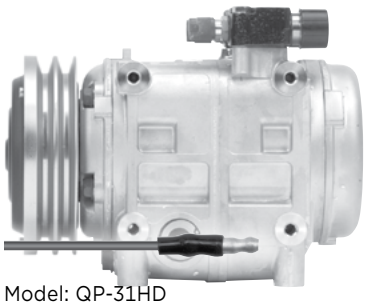
Model: QP7H15
Head: GQ
Voltage: 12
Mount: Direct
Clutch: 4.7" (119mm) Poly 8
R-134a

ABP N83 304743Q



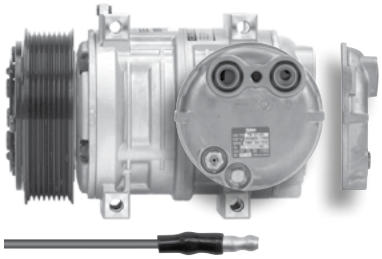
Model: QP-21HD
Head: J
Voltage: 24
Mount: Direct
ICE P/N: 2521563
Seltec P/N: 488-47246
Clutch: 5 ½" (141mm) Poly 8
R-134a

ABP N83 304745



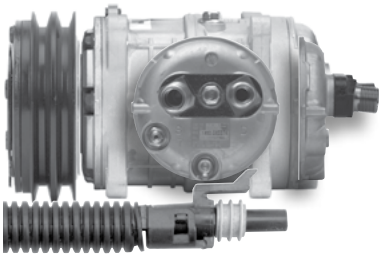
Model: QP-31HD
Head: G
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521209
Seltec P/N: 488-46500
Clutch: 6" (152mm) 2 Groove, ½"
R-134a

ABP N83 304754Q



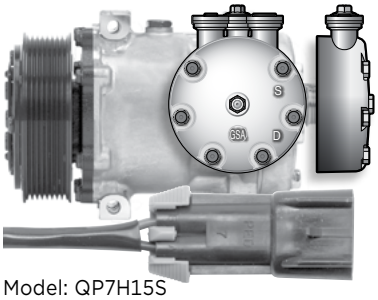
Model: QP-21HD
Head: J
Voltage: 12
Mount: Direct
ICE P/N: 2521562
Seltec P/N: 435-67256, 488-47244
Clutch: 5 ½" (141mm) Poly 8
R-134a

ABP N83 304759Q



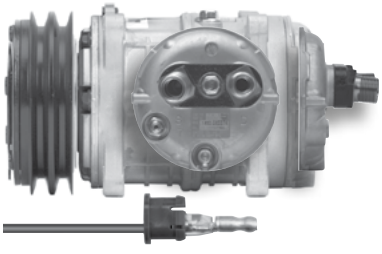
Model: QP-16HD
Head: A
Voltage: 12
Mount: Ear
ICE P/N: 2521596
Seltec P/N: 488-46059
Clutch: 5 ¼" (135mm) 2 Groove
R-134a

ABP N83 304764Q



Model: QP7H15S
Head: GSA
Voltage: 12
Mount: Direct
Sanden: 4079, 4379
Clutch: 5" (126mm) Poly 6
R-134a

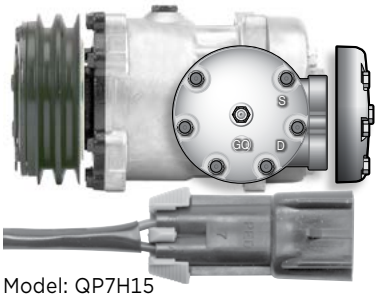
ABP N83 304769Q



Model: QP-16HD
Head: C
Voltage: 12
Mount: Ear
ICE P/N: 2521350
Seltec P/N: 488-46075
Clutch: 5" (125mm) 2 Groove
R-134a

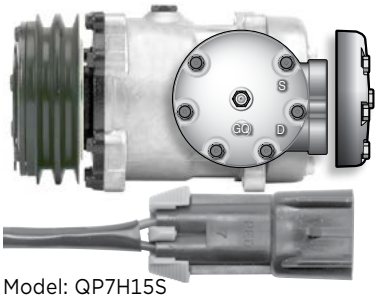
PHOTO REFERENCE

ABP N83 304774Q



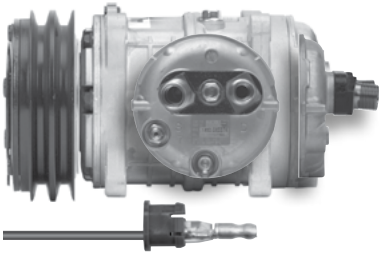
Model: QP7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4401, 4426, 4696
Clutch: 4.9” (125mm) A2 Groove
R-134a

ABP N83 304774QS



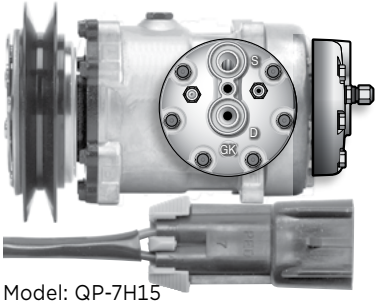
Model: QP7H15S
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4089, 4383
Clutch: 4.9” (125mm) A2 Groove
R-134a

ABP N83 304779Q



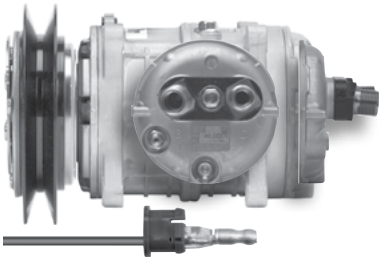
Model: QP-15HD
Head: A
Voltage: 24
Mount: Ear
ICE P/N: 2521154
Seltec P/N: 488-45017
Clutch: 5 ¼” (135mm) 2 Groove
R-134a

ABP N83 304784Q



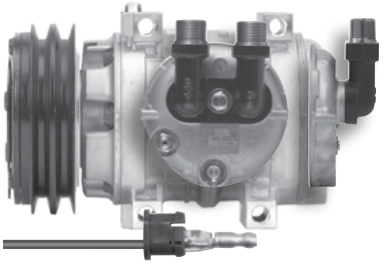
Model: QP-7H15
Head: GK
Voltage: 24
Mount: Ear
Clutch: 6” (152mm) A1 Groove
R-134a

ABP N83 304789Q



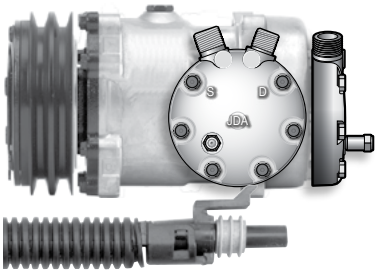
Model: QP-16HD
Head: A
Voltage: 24
Mount: Ear
ICE P/N: 2521194
Seltec P/N: 488-46073
Clutch: 6 ¼” (159mm) Variable 1 Groove
R-134a

ABP N83 304799Q



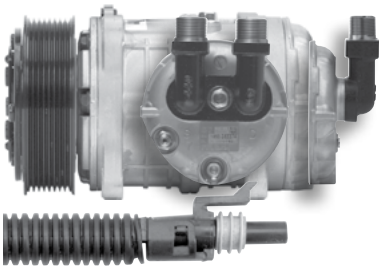
Model: QP-15HD
Head: D
Voltage: 24
Mount: Direct
ICE P/N: 2521294
Seltec P/N: 488-45090
Clutch: 5 ¼” (135mm) 2 Groove
R-134a

ABP N83 304853Q



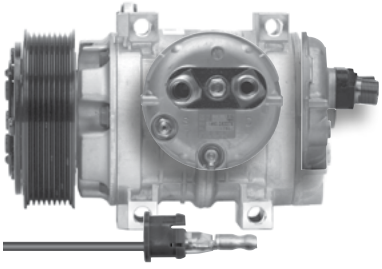
Model: QP-7H15
Head: JDA
Voltage: 12
Mount: Ear
Clutch: 5” (125mm) 2 Groove
R-134a

ABP N83 304859Q



Model: QP-16HD
Head: E
Voltage: 12
Mount: Ear
2521581
Clutch: 4 ¾” (123mm) Poly 8
R-134a

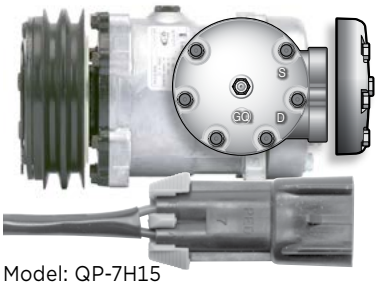
ABP N83 304869Q



Model: QP-15HD
Head: A
Voltage: 12
Mount: Direct (Tangential)
ICE P/N: 2521280
Seltec P/N: 488-45082
Clutch: 4 ¾” (123mm) Poly 8
R-134a

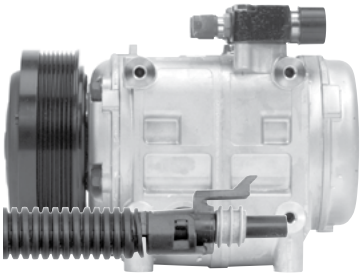
PHOTO REFERENCE

ABP N83 304874Q



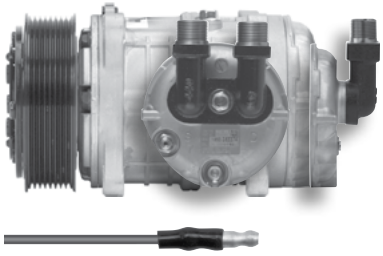
Model: QP-7H15
Head: GQ
Voltage: 12
Mount: Ear
Sanden: 4696
Clutch: 5” (125mm) 2 Groove
R-134a

ABP N83 304879Q



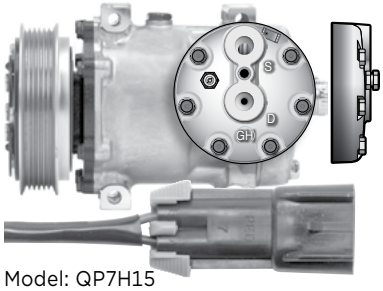
Model: QP-31HD
Head: G
Voltage: 24
Mount: Direct/ Tangential
Clutch: 6” (152mm) Poly 10
R-134a

ABP N83 304899Q



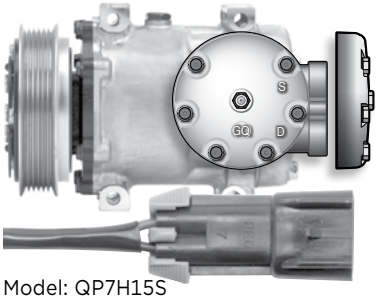
Model: QP-16HD
Head: E
Voltage: 12
Mount: Ear
Clutch: 4 ¾” (123mm) Poly 8
R-134a

ABP N83 304904Q



Model: QP7H15
Head: GH
Voltage: 12
Mount: Direct
Sanden: 4039, 4424, 4731
Clutch: 4.9” (125mm) Poly 6
R-134a

ABP N83 304993Q

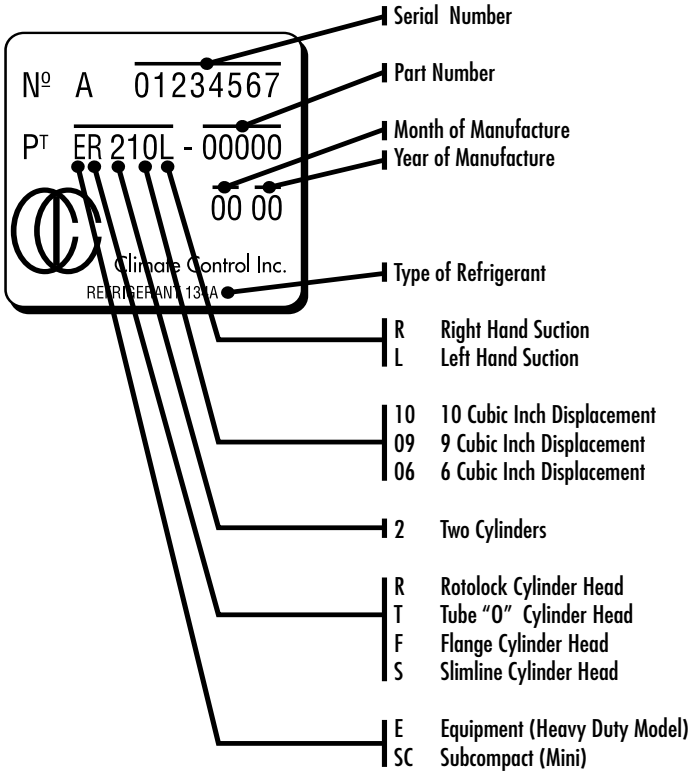


Model: QP7H15S
Head: GQ
Voltage: 12
Mount: Direct
Sanden: 4080, 4377
Clutch: 4.9” (125mm) Poly 6
R-134a

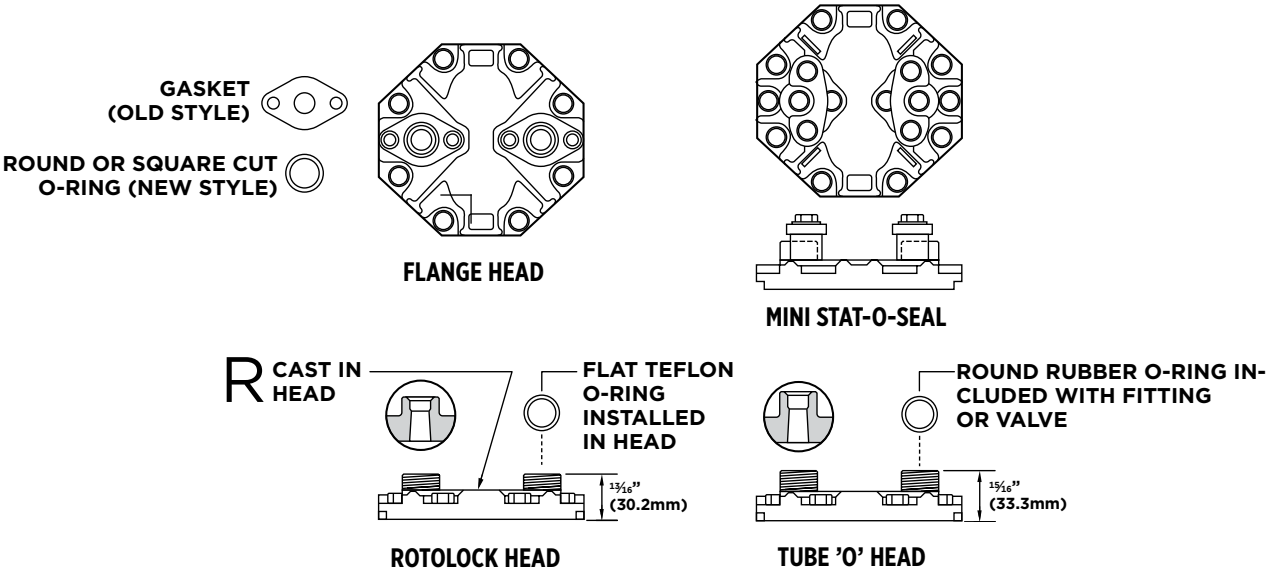
IDENTIFYING CCI COMPRESSORS

The metal nameplate located at the top front of the compressor serves as a means of identification. The location permits viewing the nameplate with the clutch installed.

Data inscribed on the nameplate includes the serial number, combination model/part number, date of manufacture and type of refrigerant.



CCI HEAD TYPES





CCI Compressor without Clutch

Model OE No.	Fitting Size	ALLIANCE Compressor No.	Description*	Clutch Type	Gauge Line	# of Wires/ Connector	ALLIANCE Clutch No.
ROTOLOCK, 12 VOLT							
LH Suction, R-12/R134a							
ER, R210L-21237 ER, R210L-25062 ER, R210L-25149 99242-5	½" x ⅝"	**ABP N83 304081**	1	Supplied without clutch	N/A	N/A	See clutch section
ER, R210L-21571C ER, R210L-25248C	½" x ⅝"	**ABP N83 304211**	2	Supplied without clutch	N/A	N/A	**ABP N83 303082**
ER, R210L-25427	½" x ⅝"	**ABP G83 304081T**	2	Supplied without clutch	N/A	N/A	See clutch section
ER, R210L-25427	½" x ⅝"	**ABP G83 304165**	3	Supplied without clutch	N/A	N/A	See clutch section
ER, R210L-25428, 25428C	½" x ⅝"	**ABP N83 304211** **ABP N83 304211T**	4	6", 2 Groove, ½"	N/A	N/A	**ABP N83 303082**
TUBE-0-RING, 12 VOLT							
LH Suction, R-12/R134a							
ET, T210L-21160 ET, T210L-25061 ET, T210L-25150, -C 99244-5	1" - 14	**ABP N83 304031**	1	Supplied without clutch	N/A	N/A	See clutch section
ET, T210L-25073C	1" - 14	**ABP N83 304101T**	5	6", 2 Groove, ½"	1 ⅝"	1, Weatherpak	**ABP N83 303082**
ET, T210L-25076C	1" - 14	**ABP N83 304091T**	5	6", 1 Groove, ½"	2 ¾"	1, Weatherpak	**ABP N83 303051**
ET, T210L-25150	1" - 14	**ABP N83 304175**	3	Supplied without clutch	N/A	N/A	**ABP N83 303082**
ET, T210L-25182C	1" - 14	**ABP N83 304321T**	5	5 ¾", Poly 6, .014"	2 15⁄16"	1, Weatherpak	**ABP N83 303287**
ET, T210L-25224C	1" - 14	**ABP N83 304331T**	5	5 ⅜", Poly 8, .014"	1 ⅝"	1, Weatherpak	**ABP N83 303307**
ET, T210L-25237C	1" - 14	**ABP N83 304141T**	5	6", 2 Groove, ½"	1 ⅝"	2, Metripak	**ABP N83 303322**
ET, T210L-25240C	1" - 14	**ABP N83 304181T**	5	5 ¾", Poly 6, .014"	2"	2, Metripak	**ABP N83 303277**
ET, T210L-25243C	1" - 14	**ABP N83 304191T**	5	Far Forward Poly 6	2"	2, Metripak	**ABP N83 303113**
ET, T210L-25246C	1" - 14	**ABP N83 304201T**	5	6 ⅛", Poly 8, .014"	1 15⁄16"	2, Metripak	**ABP N83 303177**
ET, T210L-25313C	1" - 14	**ABP N83 304441**	5	1 Groove	N/A	2, Metripak	**ABP N83 303421**
ET, T210L-21160 ET, T210L-25428	½" x ⅝"	**ABP N83 304005,** **ABP G83 304061T**	2	6", 2G Groove, ½"	1 ⅝"	1, Weatherpak	**ABP N83 303082**
ET, T210L-25428C	½" x ⅝"	**ABP G83 304175**	3	6", 2G Groove, ½"	1 ⅝"	1, Weatherpak	**ABP N83 303082**
ET, T210L-25228C	1" - 14	**ABP G83 304131T**	2	6", Poly 6, .014	2 ⅜"	1, Weatherpak	**N/A**

Model OE No.	Fitting Size	ALLIANCE Compressor No.	Description	Clutch Type	Gauge Line	# of Wires/ Connector	ALLIANCE Clutch No.
SLIMLINE SERIES HEAD, 12V							
INSERT TUBE, R-12/R134a							
ES210L-25334	1" - 14	**ABP N83 304071**	5	Supplied without clutch	N/A	N/A	See clutch section
ES210L-25337C	1" - 14	**ABP N83 304221T**	5	5 ¾", Poly 6	N/A	N/A	**N/A**
MINI STAT-O-SEAL, 12V							
LH Suction, R-12/R134a							
ES210L-25334C	1" - 14	**ABP N83 304071T**	1	Supplied without clutch	N/A	N/A	See clutch section
ES210L-25335C	½" x ⅝"	**ABP N83 304151T**	5	6", 2 Groove, ½"	1 ⅝"	2, Metripak	**ABP N83 303322**
ES210L-25336C	½" x ⅝"	**ABP N83 304161T**	5	5 ¾", Poly 6, .014"	1 ⅝"	2, Metripak	**ABP N83 303187**
ES210L-25338C	½" x ⅝"	**ABP N83 304231T**	5	6 ⅛", Poly 8, .014"	1 15⁄16"	2, Metripak	**ABP N83 303177**
Flange, 12V							
RH Suction, R-12/R134a							
EF210R-21679C	1" x 14	**ABP N83 304111T**	5	Supplied without Clutch	N/A	N/A	See clutch section

Descriptions:

Generic compressors are OEM factory built but may contain non-critical reconditioned components.

1 Universal, Standard Duty with Super Screws, Felt Ring, PRV and Ester Oil
2 Standard Generic, with Super Screws, Felt Ring, PRV and Ester Oil
3 Super HD Generic, with Super Screws, Felt Ring, PRV and Ester Oil
4 Rotolock with 2 Groove clutch
5 OE Replacement, Standard Duty
6 Tube-O with Ford Connector

GM A6



ABP N83 304008
Remanufactured GMC A6R with superheat switch port
5" Single Groove Clutch – 12volt
½" - ¾" variable groove pulley
R-12/R134a – No Oil
Standard thread mounting holes
Clockwise rotation

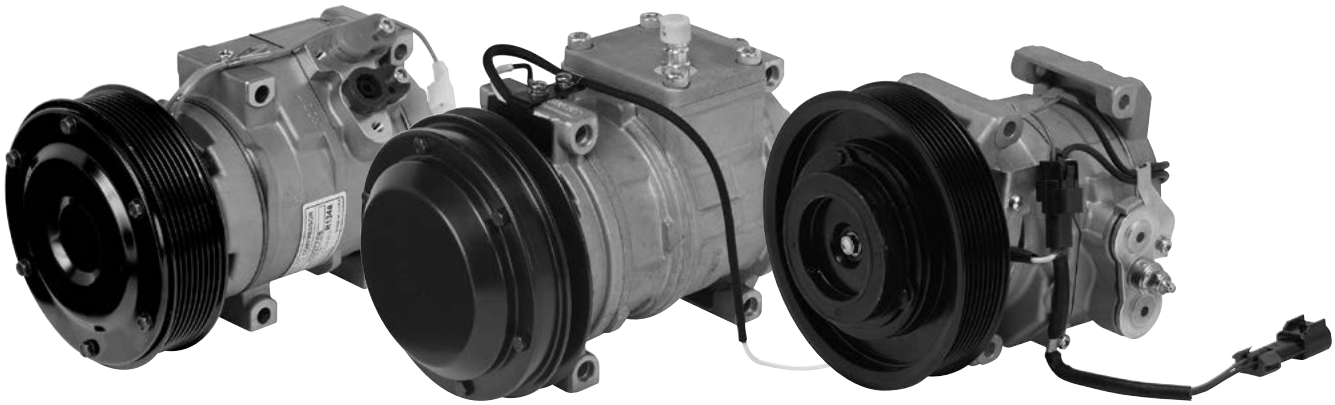
ABP N83 304115
New GMC A6R without superheat switch port
7" Single Groove Clutch – 12volt
½" - ¾" variable groove pulley
R-12
Shipped with 10 oz. mineral oil
Metric thread mounting holes
Clockwise rotation

Generic compressors are OEM factory built but may contain non-critical reconditioned components.



Complete your compressor installation. Check all O-Rings and hoses. Replace the receiver drier as per manufacturer's recommendations And use Red Dot's easy O-Ring Assortment Kit

ABP N83 312125



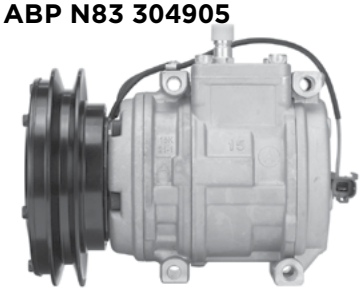
OEM P/N	Part Number
Caterpillar	
178-5545	**ABP N83 304909**
245-7779	**ABP N83 304909**
259-7243	**ABP N83 304909**
305-0324	**ABP N83 304909**
305-0325	**ABP N83 304909**
Freightliner	
22-65770-000	**ABP N83 304914**
22-65771-000	**ABP N83 304915**
22-65772-000	**ABP N83 304916**
Hitachi Construction	
4361053	**ABP N83 304905**
John Deere	
4333459	**ABP N83 304905**
4431081	**ABP N83 304908**
4436025	**ABP N83 304908**
AT166518	**ABP N83 304905**
AH169875	**ABP N83 304910**
AT163728	**ABP N83 304907**
AT168543	**ABP N83 304906**
AT172975	**ABP N83 304906**
AT226273	**ABP N83 304906**
RE46609	**ABP N83 304910**
RE46657	**ABP N83 304911**
TY24304	**ABP N83 304910**
TY6764	**ABP N83 304910**
TY6783	**ABP N83 304907**

OEM P/N	Part Number
Komatsu	
11Y-979-5450	**ABP N83 304905**
134-X11-1250	**ABP N83 304905**
14X-Z11-8580	**ABP N83 304905**
17A-911-4810	**ABP N83 304908**
195-911-7510	**ABP N83 304905**
195-911-8990	**ABP N83 304905**
198-911-9580	**ABP N83 304905**
20Y-810-1260	**ABP N83 304908**
20Y-979-3110	**ABP N83 304905**
20Y-979-3111	**ABP N83 304905**
20Y-979-6121	**ABP N83 304908**
20Y-979-8130	**ABP N83 304905**
21N-979-1360	**ABP N83 304905**
418-S62-3160	**ABP N83 304908**
418-S62-3161	**ABP N83 304908**
421-07-11210	**ABP N83 304908**
421-07-31220	**ABP N83 304908**
421-07-31221	**ABP N83 304908**
425-07-21180	**ABP N83 304905**
425-07-21190	**ABP N83 304905**
42C-07-11210	**ABP N83 304905**

Compressors are shown with shipping plate or rubber pad

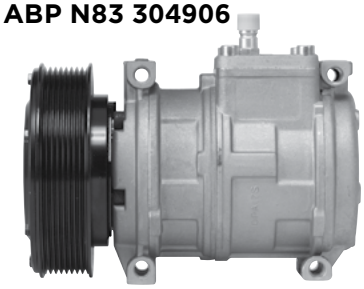
PHOTO REFERENCE

ABP N83 304905



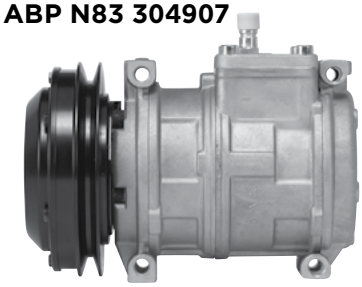
Model: 10PA15C
Clutch: 152mm 1A Groove Clutch (fits 0.5” wide belt)
Voltage: 24

ABP N83 304906



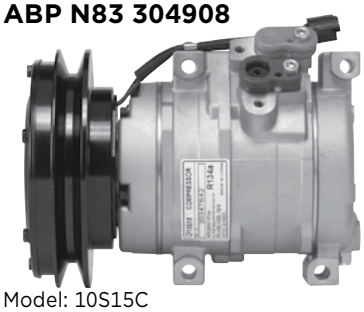
Model: 10PA17C
Clutch: 145mm PV8 Clutch
Voltage: 24

ABP N83 304907



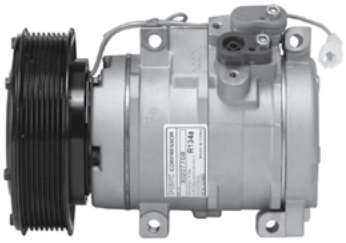
Model: 10PA17C
Clutch: 146mm 1A Groove Clutch (fits 0.5” wide belt)
Voltage: 24

ABP N83 304908



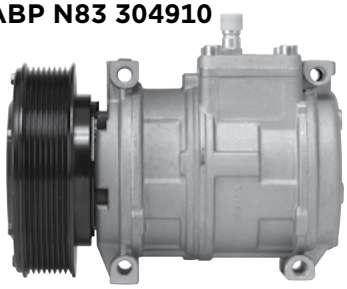
Model: 10S15C
Clutch: 152mm 1B Groove Clutch (fits 0.66” wide belt)
Voltage: 24

ABP N83 304909



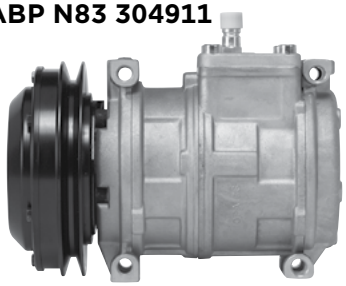
Model: 10S17C
Clutch: 140mm PV8 Clutch
Voltage: 24

ABP N83 304910



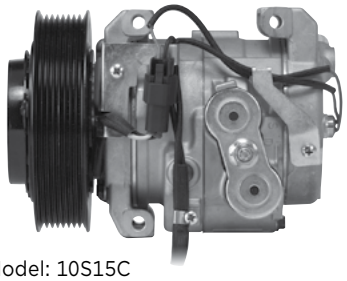
Model: 10PA17C
Clutch: 145mm PV8 Clutch
Voltage: 12

ABP N83 304911



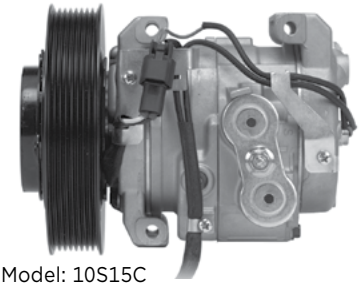
Model: 10PA15C
Clutch: 152mm 1A Groove Clutch (fits 0.5” wide belt)
Voltage: 12

ABP N83 304914



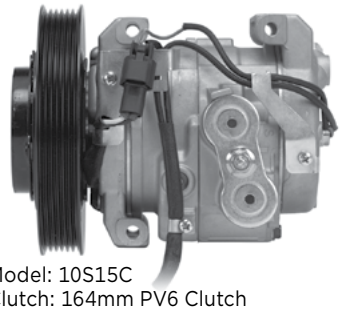
Model: 10S15C
Clutch: 140mm PV8 Clutch
Voltage: 12

ABP N83 304915



Model: 10S15C
Clutch: 164mm PV8 Clutch
Voltage: 12

ABP N83 304916



Model: 10S15C
Clutch: 164mm PV6 Clutch
Voltage: 12

MANIFOLDS

Part Number	Description
ABP N83 305031	Nippondenso Manifold - Top discharge with oil bypass, #8 and #10 Male Insert O-Ring fittings
ABP N83 305032	Nippondenso Manifold - Rear discharge, #8 and #10 Male Insert O-Ring fittings
ABP N83 305033	Nippondenso Molded Manifold Seal


ABP N83 30531


ABP N83 30532


ABP N83 30533

COMPRESSOR SERVICE FITTINGS

Fittings arranged by Compressor Hose End Fitting Type

Hose End Fitting Type	Hose End Fitting Size	Dimensional Size	Valve Type	Port Description	Alliance Part No.
ROTOLOCK HEAD					
Port Charge Type - R-134a					
O-Ring	8	¾"	Service Fitting	-	**ABP N83 305405**
O-Ring	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 311258**
O-Ring	8	¾"	Backseat	16mm (Hi Side)	**ABP N83 324460**
Beadlock	8	¾"	Service Fitting, top port	16mm (Hi Side)	**ABP N83 305950**
O-Ring	8	¾"	Ford In-line Backseat, Metric	¼" (7/16 -20)	**ABP N83 305340**
O-Ring	8	¾"	Ford In-line Backseat, Metric	¼" (7/16 -20)	**ABP N83 305350**
O-Ring	10	¾"	Ford In-line Backseat, Metric	¼" (7/16 -20)	**ABP N83 305345**
O-Ring	10	¾"	Ford In-line Backseat, Metric	¼" (7/16 -20)	**ABP N83 305355**
O-Ring	10	⅞"	Service Fitting	-	**ABP N83 305400**
O-Ring	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 311260**
O-Ring	10	⅞"	Backseat	13mm (Lo Side)	**ABP N83 324465**
Beadlock	10	⅞"	Service Fitting, top port	13mm (Lo Side)	**ABP N83 305940**
Beadlock	12	1 1/16"	Service Fitting	13mm (Lo Side)	**ABP N83 305945**
Port Charge Type - R-12					
O-Ring	8	¾"	Backseat, side port	¼" (7/16 -20)	**ABP N83 305080**
O-Ring	10	⅞"	Backseat	¼" (7/16 -20)	**ABP N83 305230**
O-Ring	10	⅞"	Backseat, side port	¼" (7/16 -20)	**ABP N83 305070**
Tube O-Ring					
Port Charge Type - R-134a					
O-Ring	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 305320**
Beadlock	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 314285**
O-Ring	8	¾"	Backseat	16mm (Hi Side)	**ABP N83 305285**
O-Ring	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 305227**
O-Ring	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 314183**
O-Ring	8	¾"	Service Fitting	16mm (Hi Side)	**ABP N83 314300**
O-Ring	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 305830**
Beadlock	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 311470**
O-Ring	10	⅞"	Backseat	13mm (Lo Side)	**ABP N83 305335**
O-Ring	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 305225**
O-Ring	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 314181**
Beadlock	10	⅞"	Service Fitting	13mm (Lo Side)	**ABP N83 305200**
Beadlock	12	1 1/16"	Service Fitting	13mm (Lo Side)	**ABP N83 311112**
Port Charge Type - R-12					
O-Ring	8	¾"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305105**
O-Ring	8	¾"	Service Fitting	¼" (7/16 -20)	**ABP N83 305125**
O-Ring	8	¾"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305255**
Flare	8	¾"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305235**
O-Ring	10	⅞"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305095**
O-Ring	10	⅞"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305260**
Flare	10	⅞"	Backseat, top port	¼" (7/16 -20)	**ABP N83 305240**

* Fits Red Dot Model Units R-5040, R-5045, R-5075, R-8230, R-8235, R-8545, R-9520, R-9590, R-9715, R-9800

COMPRESSOR SERVICE FITTINGS

ABP N83 305070



#10 Rotolock Compressor Fitting
O-Ring Type Fitting
Backseat Valve Type
R-12

ABP N83 305080



#8 Rotolock Compressor Fitting
O-Ring Type Fitting
Backseat Valve Type
R-12

ABP N83 305095



#10 Tube "O" Compressor Fitting
O-Ring Type Fitting
Backseat Valve Type
R-12

ABP N83 305105



#8 Tube "O" Compressor Fitting
O-Ring Type Fitting
Backseat Valve Type
R-12

ABP N83 305125 *



#8 Tube "O" to 1" X 14 O-Ring
with Schrader Port
R-12

ABP N83 305200



Tube "O" Compressor Fitting
#10 O-Ring Type Fitting
Service Fitting Valve
R-134a

ABP N83 305225



#10 Tube "O" Compressor Fitting
O-Ring Type Fitting – R-134a
Converts Tube-O to
Male Insert O-RIng

ABP N83 305227



#8 Tube "O" Compressor Fitting
O-Ring Type Fitting – R-134a
Converts Tube-O to
Male Insert O-Rong

ABP N83 305230



#10 O-Ring Type Fitting
Backseat Valve Type, R-12

ABP N83 305235



#8 Flare
Backseat Type Valve
¼ (7⁄16 - 20), R-12

ABP N83 305240



#10 Tube O-Ring Fitting
FlareType Fitting
Backseat Valve Type, R-12

ABP N83 305255



#8 Tube O-Ring
Backseat Valve Type
¼ (7⁄16 - 20), R-12

ABP N83 305260



#10 O-Ring
Backseat Type Valve
R-12

ABP N83 305285



Tube "O" Compressor Fitting
#8 O-Ring Type Fitting
Backseat Valve Type
R-134a

ABP N83 305320



#8 Tube "O" Compressor Fitting
O-Ring Type Fitting
R-134a

COMPRESSOR SERVICE FITTINGS

ABP N83 305335



Tube “O” Compressor Fitting
#10 O-Ring Type Fitting
Backseat Valve Type
R-134a

ABP N83 305340



#8, Ford In-line,
Backseat Valve Type
Port ¼ (7/16 - 20)

ABP N83 305345



#10 Ford In-line
Backseat Valve Type
Port ¼ (7/16 - 20)

ABP N83 305350



#8 Ford In-line
Backseat Valve Type
Port ¼ (7/16 - 20)

ABP N83 305355



#10 Ford In-line
Backseat Valve Type
Port ¼ (7/16 - 20)

ABP N83 305400



Rotolock Compressor Fitting
#10 O-Ring Type Fitting
Service Fitting Valve Type
R-134a

ABP N83 305405



Rotolock Compressor Fitting
#8 O-Ring Type Fitting
Service Fitting Valve Type
R-134a

ABP N83 305830



#10 Tube “O” Compressor Fitting
O-Ring Type Fitting
R-134a

ABP N83 305940



#10 Rotolock Compressor Fitting,
#10 Hose
R-134a

ABP N83 305945



#12 Rotolock Compressor Fitting,
#12 Hose
R-134a

ABP N83 305950



Rotolock Compressor Fitting
#8 Hose Fitting
Service Fitting Valve Type
R-134a

ABP N83 311112



Tube “O” Compressor Fitting
#12 Hose Fitting
Service Fitting Valve

ABP N83 311258



Rotolock T Fitting
#8 O-Ring Type Fitting
Service Fitting Valve
R-134a

ABP N83 311260



Rotolock Compressor Fitting
#10 O-Ring Type Fitting
Service Fitting Valve
R-134a

ABP N83 311470



Tube “O” Compressor Fitting
#10 O-Ring Type Fitting
Service Fitting Valve
R-134a

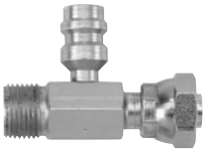
COMPRESSOR SERVICE FITTINGS

ABP N83 314181



#10 Female (Long Pilot) O-Ring to
#10 Male Insert O-Ring Type
Fitting with
R-134a Service Port

ABP N83 314183



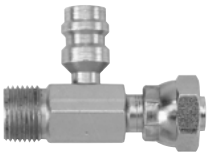
#8 Female (Long Pilot) O-Ring to
#8 Male Insert O-Ring Type Fitting
with
R-134a Service Port

ABP N83 314285



Tube “O” Compressor Fitting
#8 Hose Fitting
R-134a

ABP N83 314300



#8 Female (Long Pilot) O-Ring to
#8 Male Insert O-Ring Type Fitting
with
R-134a Service Port

ABP N83 324460



Rotolock Compressor Fitting
#8 O-Ring Type Fitting
Backseat Valve Type
R-134a

ABP N83 324465



Rotolock Compressor Fitting
#10 O-Ring Type Fitting
Backseat Valve Type
R-134a

SERVICE PORTS AND ADAPTERS

In-Line Service Port



ABP N83 314182
#6

ABP N83 314183
#8

ABP N83 314181
#10

Steel Highside Charge Adapter

All include valve core, neoprene O-ring and threadlock



ABP N83 314495
13mm – ¼" (7/16 - 20) Threads – Blue Cap – Low Side

ABP N83 314485
16mm – ¼" (7/16 - 20) Threads – Red Cap – High Side

Charge Adapter Kit with Schrader Insert



ABP N83 325022
7/16" - 20 Female Thread
13mm R-134a Port
(permanently converts service to low side port)

7/16" - 20 Female Thread
16mm R-134a Port
(permanently converts service to high side port)

90° Compressor Port Reversed



ABP N83 314240
#12

ST GM Service Fitting with Port



ABP N83 314260
#12

Charge Fittings

ABP N83 325172



Lowside 134a Fitting

ABP N83 325173



Highside 134a Fitting
(for use on hard lines)

ABP N83 325174



Lowside 134a Fitting

ABP N83 325175



Highside 134a Fitting
(for use on hard lines)

90° Charge Adapters

All include valve core, neoprene O-ring and threadlock



ABP N83 314470
Lowside 90°
134A Charge Adapter
with ¼ (7/16 - 20) Thread
13mm, Blue Cap

ABP N83 314475
Highside 90°
134A Charge Adapter
with ¼ (7/16 - 20) Thread
Red Cap

SCHRADER ADAPTER FITTINGS

ABP N83 314003



Valve core for 134A fittings

ABP N83 314004



Eaton 13mm SSV
High Flow-High Side

ABP N83 314105



⅜-24 UNF-2A Male thread with bulk head type seal using a 2-012 O-Ring. For receiver/ drier pressure ports.

ABP N83 320110



Refrigeration valve core for Schrader valves

ABP N83 314145



Eaton 16mm SSV
High Flow-Low Side
10 per package

ABP N83 314146



Eaton 16mm SSV
High Flow-Low Side

ABP N83 311574



M10 Thread
With .188 Radius Saddle
for use on #6 Tube

ABP N83 311575



M10 Thread
With .250 Radius Saddle
for use on #8 Tube

All Schrader adapter fittings are shipped 10 per package

ABP N83 314147



High Flow Schrader Valve Core
Remover/Installer Tool

COMPRESSOR O-RING FITTING

ABP N83 305125
#8 O-Ring to 1″ x 14 O-Ring with Schrader port

ABP N83 305900



#8 Straight Female Tube-O
with 134a Port Fits Sanden “M” Heads

Used on Sanden only with “C” or “M” head

COMPRESSOR GUARDS

ABP N83 305985
For Rotolock Compressor

ABP N83 305986
For Tube-O Compressor

ABP N83 305987
For Nippondenso Compressor

ABP N83 305988
For Scroll Compressor

ABP N83 305989
For Pad Fitting Compressor

COMPRESSOR SERVICE PARTS

ABP N83 310979



E-Z Clip Low Side Cap
20 Per Package

ABP N83 310980



E-Z Clip High Side Cap
20 Per Package

ABP N83 314091



13mm Low Side Service–Black valve cap with neoprene seal; OE & aftermarket type R-134a ports

ABP N83 314096



Plastic Schrader Port Cap
3/16" charging port
10 Per Package

ABP N83 314180



16mm High Side High Flow Valve Cap with neoprene seal
Red 10 Per Package

ABP N83 314215



16mm High Side Service Flow Valve Cap with neoprene seal
Black 25 Per Package

ABP N83 314920



3/16" (3/8 X 24) Disabler Cap
Port Block Off
10 Per Package

ABP N83 321360



13mm Low Side High Flow Valve Cap with neoprene seal–Blue, R-134a port
10 Per Package

ABP N83 327112



Sanden Oil Dip Stick

ABP N83 305010



Teflon Rotolock Compressor Gasket Seal IHC/Navistar ZGG19499
10 Per Package

ABP N83 305019



O-Ring seal fits Sanden FLX7 fitting adapters GM A6 DAG, HR6, R4, R5 compressor Suction/ Discharge Port O-Ring
10 Per Package

ABP N83 305055



Adapter converts Rotolock to Tube O-Ring
2 Per Package

ROTOLOCK CONVERTER



ABP N83 305440
Adapter converts Tube-O-Ring to Rotolock

SANDEN SHAFT KEY



ABP N83 305910
10 per package

COMPRESSOR ADAPTER BRACKETS



ABP N83 325047
Belt tension kit pulley
Diameter 3 3/8" belt size: ½"



ABP N83 305625
Belt tension pulley
Diameter 3 3/8" belt size: ⅝"

SANDEN COMPRESSOR ADAPTER BRACKETS

ABP N83 305015



Fixed compressor adapter bracket will mount Sanden compressor to most Tecumseh or York brackets.

ABP N83 305020



Adjustable compressor adapter bracket to fit Sanden mount holes

ABP N83 325168



Adjusting Arm

ABP N83 325124



Compressor bracket for Sanden Only

ABP N83 325167



⅜-16 Compressor Adjuster

ABP N83 325166

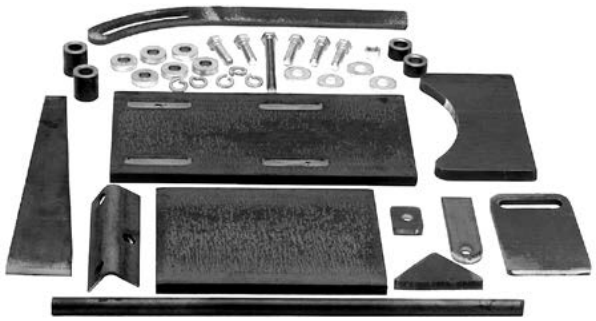


Ram Horn

COMPRESSOR ADAPTER BRACKETS

Brackets useful in designing mounts for unique engine applications

ABP N83 325120



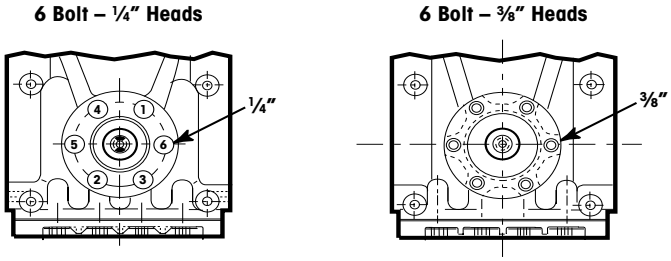
CCI/Tecumseh

ABP N83 325121



Sanden

SHAFT SEAL KITS



ABP N83 305500



CCI and Tecumseh
Keyway (10 per package)

ABP N83 305560



CCI and Tecumseh
shaft seal kit
(6 bolts-⅜" head)

ABP N83 305565



CCI shaft seal kit
(6 bolts-¼" head)

ABP N83 305570



Zexel (Diesel Kiki)

ABP N83 305580



Sanden 7H15

ABP N83 305585



Sanden SD709

NOTES

CONDENSERS 6

Did You Know...

The presence of dust, bugs and debris on the face of the condenser fin and tubes will create a thermo-barrier. In turn, the condenser's ability to dissipate heat is reduced resulting in poor system performance.

Service Tip:

To maintain condenser performance, include the condenser on preventative maintenance schedule and clean debris off the fin area. Special care should be taken not to bend or damage condenser fins in the process.

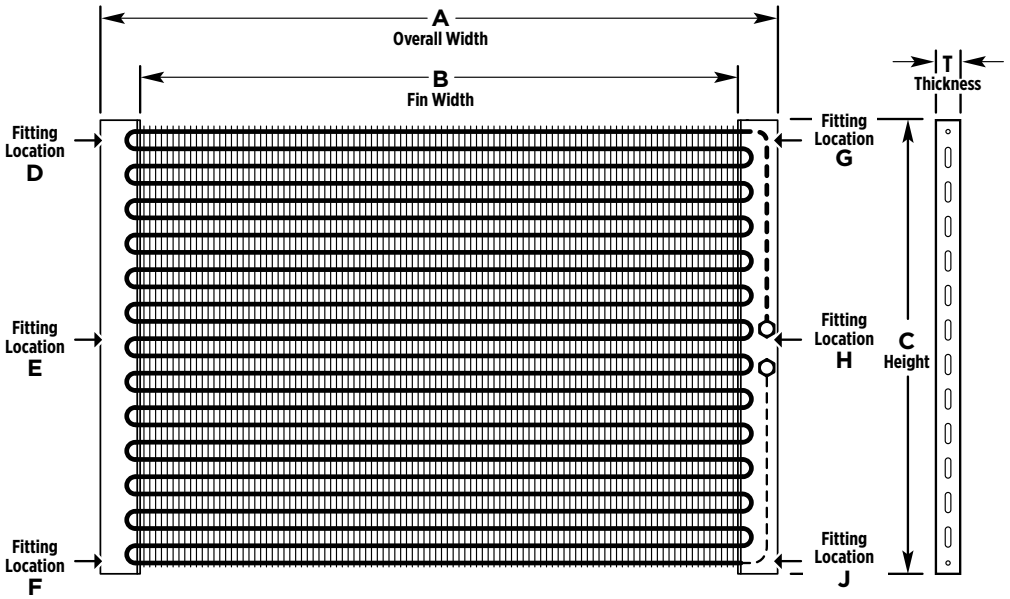
CONDENSER COIL TYPE

SERPENTINE TYPE: Continuous extruded aluminum tube, ¾ to 2 inches thick. The fin is either skyve type or vacuum brazed ribbon type spaced approximately 14 fins per inch. High heat rejection, compact size exact O.E.M. replacements.

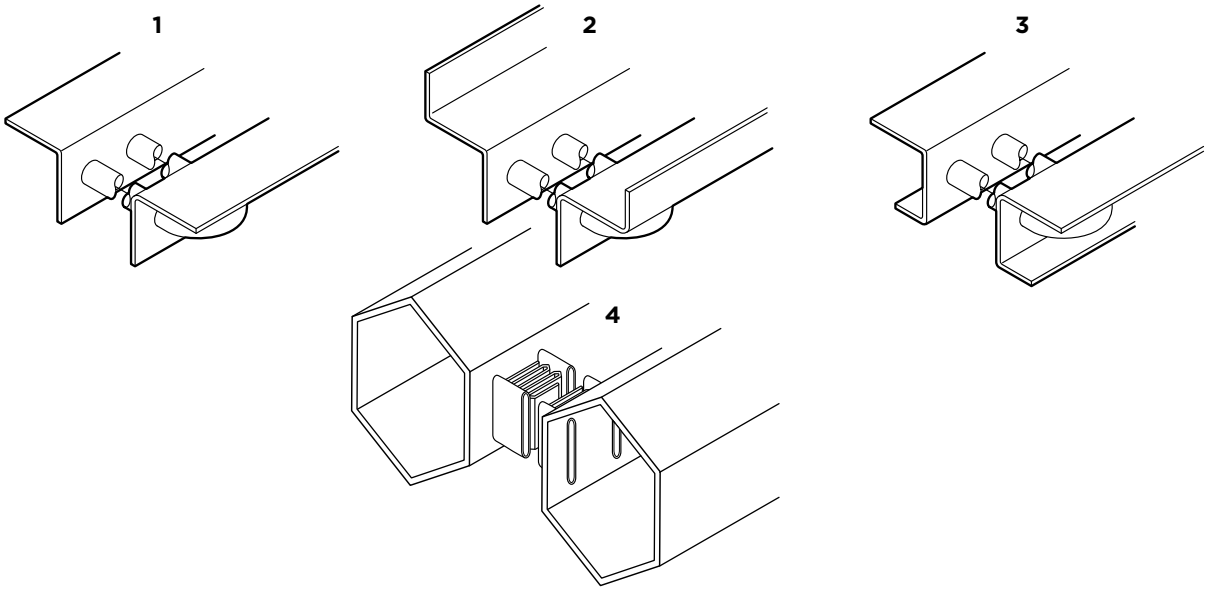
TUBE AND FIN TYPE: Constructed with .008 thick aluminum corrugated fin ¾ to 2 ½ inches in thickness. Fin spacing at 10 to 12 fins per inch providing maximum heat rejection. Tubes are either copper or aluminum.

GRILLDENSER TYPE: Constructed with .030 to .050 aluminum, fins are ¾ of an inch thick. Fins are spaced at 2 to 4 fins per inch providing minimal air flow restriction. Tubes are either .035" wall aluminum or .022" wall copper.

MULTI FLOW: Constructed with .0051 thick zinc coated cross flow tubes. Fin spacing is 14 fins per inch. Four pass design.



TYPICAL HEADER TYPES



CONDENSER SPECIFICATIONS

Listed in ascending order by **Width** x **Height** x **Depth**

(A) Overall Width	(B) Core Width	(C) Height	(T) Thickness	FITTINGS #6 (5/8")	FITTINGS #8 (3/4")	HEADER FPI	HEADER Type	HEADER Mat	Coil Type	Mount Location	Application	Alliance P/N	UPS Ship?
14	11 11/32	14	3/4	F	D	—	—	—	MF	A	General Purpose	**ABP N83 306007**	Y
14	11 11/32	14	7/8	F	D	—	—	—	MF	A	R-20505-0P	**ABP N83 306006**	Y
18	16 1/4	14	3/4	F	D	20	3	A	MF	A	General Purpose	**ABP N83 306008**	Y
19	18	19 1/4	1 7/16	D,G	—	12	1	C	TF	R	General Purpose	**ABP N83 306035**	Y
20	18	24 3/8	1 1/4	G	G			A		R	1994-1998 MR, all with factory A/C	**ABP N83 306324**	
21 3/4	18 13/16	14	3/4	J	G	14			MF	R	General Purpose	**ABP N83 306355**	Y
22 1/2	18 1/2	7 3/32	2 1/2	H,H	—	12	3	C	TF		R-9725	**ABP N83 306050**	Y
22 5/8	19 5/8	10 1/8	2 3/4	G	G	12	3	C	TF		R-9727	**ABP N83 306410**	Y
23 1/3	20 7/8	12	3 1/3	G	G	12	2	C	TF		R-6100 & R-6160	**ABP N83 306005**	Y
23 3/4	20 7/8	11 7/16	1 7/8	F	F	12	2	C	TF		R6000, R6060	**ABP N83 306130**	Y
24	21 1/8	26 1/2	1 1/2	G	J	6	2	C	TF	R	General Purpose	**ABP N83 306009**	Y
24	21 5/8	12 1/2	2 7/8	E	E	12	3	C	MF		John Deere, JD744E	**ABP N83 306011**	
24 1/16	21 5/8	12 1/2	2 7/8	E	E	12	3	C	TF		R-9737	**ABP N83 306012**	Y
24 13/32	21 29/64	10 23/32	1	J (1/2")G (3/8")		14	—	—	TF		R-4480, Caterpillar	**ABP N83 306375**	Y
24 1/2	20	14 7/64	1 7/16	D	F	12	1	C	TF		General Purpose	**ABP N83 306045**	Y
25	23	12 1/4	1 3/4	J	G	12	3	C	TF	R	General Purpose	**ABP N83 306270**	Y
25 1/4	20 1/2	18 1/4	1 13/16	E	E	12	1	C	TF		R-1550, SK 100, 120, 150	**ABP N83 306013**	Y
25 1/2	23	21 1/2	2 1/2	G	G	12	—	—	TF		R-6260	**ABP N83 306390**	
25 3/4	22 13/16	12	3/4	J	G	14	—	—	MF	R	General Purpose	**ABP N83 306350**	Y
25 3/4	22 13/16	14	3/4	J	G	14	—	—	MF	R	General Purpose	**ABP N83 306360**	Y
25 3/4	24	10 3/4	1	F	E	—	—	—	MF		Ford F Series	**ABP N83 306014**	
26 1/4	23	9 1/8	3	E,E	—	12	2	C	TF		R-9720	**ABP N83 306180**	Y
	23 3/16	19 7/16	7/8					A	S	A	Ford F 600 / 900	**ABP N83 306865**	Y
26 1/2	23 13/16	10 3/4	1 11/16	F	D	14	—	—	MF	R	R-2800, General Purpose	**ABP N83 306370**	Y
26 2/3	24 3/4	9 1/8	2 1/4	J	H	12	1	C	TF		Midliner R-2110	**ABP N83 306175**	Y
	25	17	1	G	H	—	—	—	TF	A	Ford Aerostar	**ABP N83 306820**	Y
	25	17 1/2	1					A	S	A	Ford F 150 / 350	**ABP N83 306835**	Y
	25	18 3/4	1	H	H	—	—	—	TF	A	Ford Aerostar	**ABP N83 306825**	Y
27	25 1/4	14 7/8	3/4	F	G	—	—	—	S	R	Freightliner, West. Star	**ABP N83 306235**	Y
27	25 1/2	18 1/4	3/4	G	J	12	3	C	TF		R-1550, SK200, 220	**ABP N83 306016**	Y
28 1/16	21 1/2	26 1/2	1 1/4	G	G	9	1	A	TF	R	General Purpose	**ABP N83 306017**	Y
28 3/8	26 1/2	26	3/4	E	E	3	1	—	GD	H	Mack RL/RS, 210RD48	**ABP N83 306000**	Y
28 13/32	26 19/32	26 5/32	25/32	H	H	3	1	C	GD	R	R-10035-1,2,-3,-4	**ABP N83 306018**	Y
	26 3/4	32 1/2	1	G	J	—	—	—	GD	A	Ford C, E Series	**ABP N83 306805**	
	27	21	1	D	G	—	—	—	TF		Ford L Series	**ABP N83 306875**	

KEY: **Mount Location:** R = Radiator Mount H = Hood Mount A = See APPLICATIONS Section for details
Thickness = Includes motors
FPI = Fins Per Inch
Mat = Material A = Aluminum C = Copper
Coil Type: T&F= Tube & Fin S = Serpentine MF = Multi Flow GD = Grilldenser
* = Grill is non-funcitonal

CONDENSER SPECIFICATIONS

Listed in ascending order by **Width** x **Height** x **Depth**

(A) Overall Width	(B) Core Width	(C) Height	(T) Thickness	FITTINGS #6 (5/8")	FITTINGS #8 (3/4")	HEADER FPI	HEADER Type	HEADER Mat	Coil Type	Mount Location	Application	Alliance P/N	UPS Ship?
28 3/4	27 3/4	9 1/2	3	J	G	—	—	A	S	R	Mack 210RD413	**ABP N83 306900**	
29 39/64	26 3/4	19 1/4	3/4	J	D	14	3	—	MF	A	With Brackets	**ABP N83 306003**	Y
29 5/8	26 5/8	15 1/2	3/4	J	G	14	—	—	MF	R	General Purpose	**ABP N83 306365**	Y
29 13/16	27 3/4	15 3/4	3/4	J	G	—	—	A	S	R	White-Western Star	**ABP N83 306240**	Y
30	27	19 3/4	1/2	J	G			A		R	2000-2008 Mack All	**ABP N83 306334**	
30	28	28 5/16	1	F	F	—	—	A	S	R	Mack 210RD54M	**ABP N83 306910**	
30 1/4	25 1/2	18 3/16	1 3/4	H	H	10	1	C	TF		International	**ABP N83 306110**	Y
30 1/2	27 3/8	12 1/2	3 1/4	F	D	10	3	C	TF		R-9730	**ABP N83 306185**	Y
30 7/8	28 1/4	32	3/4	E	E	4	2	C	GD	R	General Purpose	**ABP N83 306025**	—
31	28	33 5/32	1 1/4	J	G	14	1	C	GD		Peterbilt 357,377,378, 379,385 Conventional	**ABP N83 306420**	N
	28 1/4	23	1	G	G	—	—	A	S	A	Ford E Series	**ABP N83 306830**	Y
32 1/8	31 7/8	27 1/4	7/8	E	E	4	1	C	GD	R	Kenworth T600A 86-93	**ABP N83 306500**	N
32 1/4	30	17 5/8	1 3/8	C	C	12	1	C	GD		General Purpose	**ABP N83 306550**	Y
32 1/4	28 1/4	20 7/16	1/4	D	F	10	1	A	GD	R	Kenworth T-400, T-600A OE#K122-125, 1995-2006	**ABP N83 306575**	Y
32 1/2	31 1/2	16 1/4	7/8	D	F	—	4	A	S	R	Volvo VN 8084348, 20461065	**ABP N83 306022**	Y
32 3/4	26	20	1/2	F	D			A		R	2008-2012 Kenworth T300, T660, W900	**ABP N83 306338**	
32 3/4	31 1/2	8 1/2	1 1/2	F	G	—	—	—	S	R	Peterbilt Conventional	**ABP N83 306305**	Y
32 13/16	31 19/32	8 1/2	2	F	G	—	—	—	S	R	Mack R, Peterbilt Conventional	**ABP N83 306300**	Y
33	30	18 1/4	1/2	J	G			A		R	2007-2010 ProStar	**ABP N83 306337**	
33	30	21	3/4	D	D			A		R	2000-2007 Vision	**ABP N83 306339**	
33	31 7/8	8 1/2	1 1/4	F	D	—	—	A	S	R	Mack MH, U, DM	**ABP N83 325142**	Y
33 1/2	31	16 1/2	1 1/2	D	D	4	3	C	TF		General Purpose	**ABP N83 306023**	Y
33 2/3	31 13/16	8 1/2	1	F	D	—	—	A	S	R	Mack 210RD46AM - R.H.	**ABP N83 306915**	
33 2/3	31 13/16	8 1/2	1	F	D	—	—	A	S	R	Mack 210RD410M	**ABP N83 306890**	
34	29 1/2	24	7/8					A		R	1999-2000 Peterbilt with OEM# 1E4582	**ABP N83 306322**	
34 1/4	33	33 3/8	13/16	—	—	2	1	A	GD	H	Kenworth K100 Series	**ABP N83 306615**	Y
34 1/2	29 3/8	21 3/16	1	F	F	—	—	A	S	R	Mack 210RD428	**ABP N83 306902**	Y
34 1/2	31 1/2	23 9/32	1	F	F	—	—	A	S	R	Mack 210RD418	**ABP N83 306905**	Y
34 3/4	25 1/4	19 7/16	7/8	F	F			A	S	A	Ford F 700 / 900	**ABP N83 306870**	Y
34 3/4	31	16 1/2	3/4	H	H	4	1	—	GD	R	General Purpose	**ABP N83 306055**	Y
34 3/4	31	16 1/2	3/4	D	D	4	1	C	GD	R	General Purpose	**ABP N83 306010**	Y
35	31 3/4	20	1/2	D	F			A		R	2008-2010 Peterbilt 386	**ABP N83 306332**	
35 1/8	31	38 5/8	3/4	F	G	4	1	C	GD	H	Kenworth T602 (Dual Pass Chrome) 92-94	**ABP N83 306510**	N

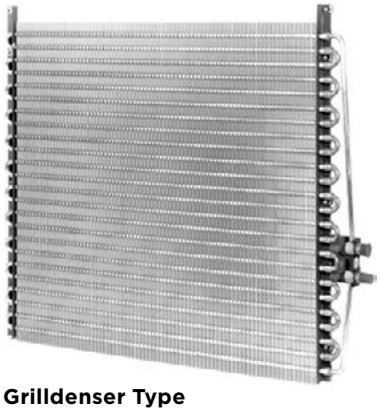
KEY: **Mount Location:** R = Radiator Mount H = Hood Mount A = See APPLICATIONS Section for details
Thickness = Includes motors
FPI = Fins Per Inch
Mat = Material A = Aluminum C = Copper
Coil Type: T&F= Tube & Fin S = Serpentine MF = Multi Flow GD = Grilldenser
* = Grill is non-funcitonal

CONDENSER SPECIFICATIONS

Listed in ascending order by **Width** x **Height** x **Depth**

(A) Overall Width	(B) Core Width	(C) Height	(T) Thickness	FITTINGS #6 (5/8")	FITTINGS #8 (3/4")	HEADER FPI	HEADER Type	HEADER Mat	Coil Type	Mount Location	Application	Alliance P/N	UPS Ship?
35 1/8	31	38 5/8	3/4	F	G	4	1	C	GD	H	Kenworth T602 (Dual Pass Black) 92-94	**ABP N83 306515**	N
35 1/2	32 15/16	27 3/8	1/2	—	—	2	1	C	GD	R	Kenworth T400,T602, T603, Alum.	**ABP N83 306590**	Y
35 1/2	32 15/16	27 3/8	1/2	—	—	2	1	C	GD	R	Kenworth T400,T602, T603, Black	**ABP N83 306595**	Y
35 5/8	32	24 5/8	5/8	D	F	—	1	C	GD	R	Kenworth T2000	**ABP N83 306620**	
35 5/8	34	20 3/4	2 3/4	G	J	12	2	C	TF		R-4500	**ABP N83 306405**	Y
35 7/8	30	16 1/2	1 3/4	E	E	10	2	—	TF		Peterbilt 320LCF	**ABP N83 306400**	—
	32 3/4	16 1/2	1	F	F	—	—	A	S	A	Ford F 150 / 350	**ABP N83 306840**	
36 3/16	33 3/4	11 1/8	1 1/8	D	D	—	1	A	S		Mack 210R421M	**ABP N83 306885**	
36 13/16	34	26 3/4	1	F	F			A	S	R	Mack 210RD412	**ABP N83 306895**	
37	34 1/4	25 3/4	3/4	G	G	4	1	C	GD	R	IHC 'S' 2000 & up	**ABP N83 306015**	Y
37 3/4	35 1/4	36 9/16	7/8	J	D	4	1	C	GD	H	Kenworth W900L 89-94	**ABP N83 306520**	N
	37	19	3/4	D	F				GD	R	Ford L Series	**ABP N83 306880**	Y
38 1/2	32 1/2	16 1/2	1/2	J	G			A		R	2007-2010 Vision	**ABP N83 306336**	
39 7/32	37 13/32	6 7/16	1 1/4	F	D			A	S	R	Mack 210RD411M	**ABP N83 306920**	
39 3/7	35 1/2	22 5/6	1 1/5	E	E	9	1	C	TF		Western Star 604 Cab	**ABP N83 306160**	N
39 7/8	37	32	3/4	J	G	3	1	—	GD	R	Peterbilt 359	**ABP N83 306120**	—
40 5/32	31 7/8	34 19/32	1 9/64	J	J	6	1	C	GD		R-2825, Hinged Assembly	**ABP N83 306026**	
41 3/8	37	22	1/2	—	—	2	1	A	GD	H	Kenworth T300, Aluminum	**ABP N83 306605**	N
41 3/8	37	22	1/2	—	—	2	1	A	GD	H	Kenworth T300, Black	**ABP N83 306610**	N
41 3/4	37	29	7/8	J	D	4	1	C	GD	H	Kenworth T800 90-94	**ABP N83 306530**	N
41 3/4	37	29	27/32	—	—	2	1	C	GD	H	Kenworth T800 (Non Functional) 88-94	**ABP N83 306525**	N
42 1/4	40 1/4	36	3/4			2	1	C	GD	R	Kenworth 1400 Series 79-89	**ABP N83 306535**	N
43 3/8	40 1/2	33	3/4	H	H	2	1	C	GD	R	General Purpose	**ABP N83 306030**	—
43 1/2	41	36 1/4	13/16	J	D	4	1	C	GD	H	Kenworth W900B	**ABP N83 306260**	N
43 1/2	41	36 13/16	7/8	J	D		1	A	GD		Kenworth T 800H Dual Pass	**ABP N83 306545**	N
43 1/2	41	38 5/8	3/4	F	D	2	1	C	GD	R	Kenworth 900 B 81-90	**ABP N83 306540**	N
48 1/4	34 1/4	25 3/4	3/4	E	E	4	1	C	GD	H	Ford L Series	**ABP N83 306135**	
49	37	33 7/8	1 1/2	J	J	7	1	C	GD		R-2825, Hinged 37" Header to Header	**ABP N83 306028**	N
51	48	33 1/8	3/4	E	E	2	1	—	GD	H	Mack RW	**ABP N83 306029**	N

ABP N83 306000



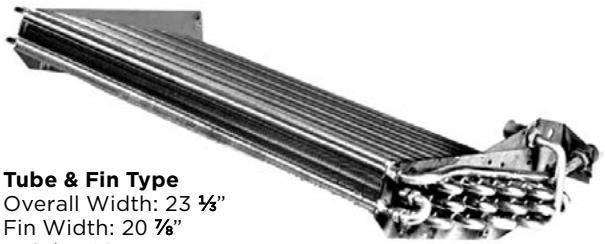
Grilldenser Type
Overall Width: 28 3/8"
Fin Width: 26 1/2"
Height: 26"
Thickness: 3/4"
Used with Mack RL / RS Series, OE#210RD48

ABP N83 306003



Multiflow Type
Overall Width: 29 39/64"
Fin Width: 26 3/4"
Height: 19 1/4"
Thickness: 3/4"
With Brackets

ABP N83 306005



Tube & Fin Type
Overall Width: 23 1/3"
Fin Width: 20 7/8"
Height: 12"
Thickness: 3 1/3"
Used with R-6100, R-6160

ABP N83 306006



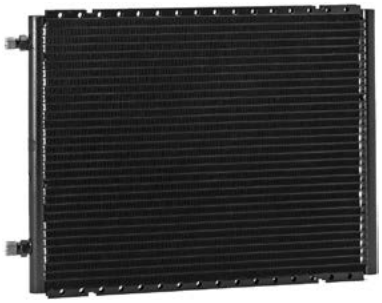
Multiflow Type
Overall Width: 14"
Fin Width: 11 11/32"
Height: 14"
Thickness: 7/8"
Used with R-20505-0P

ABP N83 306007



Multiflow Type
Overall Width: 14"
Fin Width: 11 11/32"
Height: 14"
Thickness: 3/4"
Used with 4379-RD459320 Power Condenser

ABP N83 306008



Multiflow Type
Overall Width: 18"
Fin Width: 16 1/4"
Height: 14"
Thickness: 3/4"

ABP N83 306009



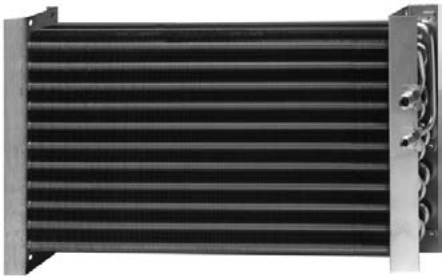
Tube & Fin Type
Overall Width: 24", Two Row
Fin Width: 21 1/8"
Height: 26 1/2"
Thickness: 1 1/2"

ABP N83 306010



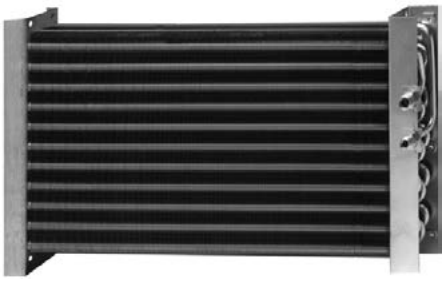
Grilldenser Type
Overall Width: 34 3/4"
Fin Width: 31"
Height: 16 1/2"
Thickness: 3/4"

ABP N83 306011



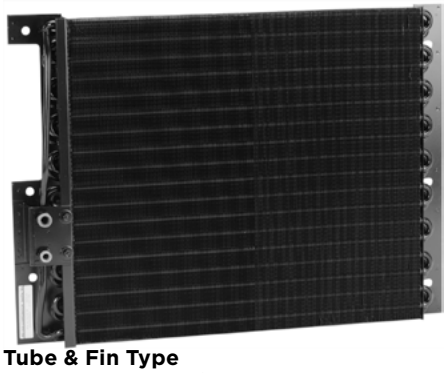
Tube & Fin Type
Overall Width: 24"
Fin Width: 21 5/8"
Height: 12 1/2"
Thickness: 2 7/8"
Fits John Deere Wheel Loader 544G, 624G, JD 744E

ABP N83 306012



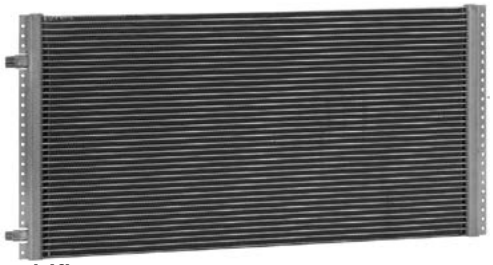
Tube & Fin Type
Overall Width: 24 1/16"
Fin Width: 21 5/8"
Height: 12 1/2"
Thickness: 2 7/8"
Used with R-9737

ABP N83 306013



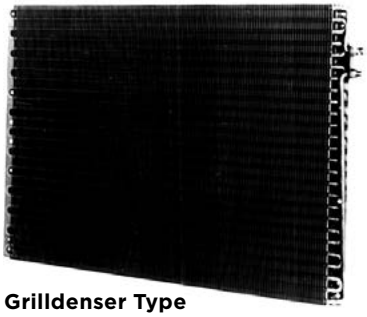
Tube & Fin Type
Overall Width: 25 1/4"
Fin Width: 20 1/2"
Height: 18 1/4"
Thickness: 1 13/16"
Fits R-1550, Kobelco SK 100, 120, 150

ABP N83 306014



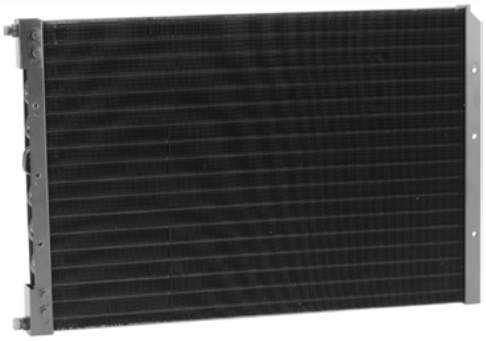
Multiflow Type
Overall Width: 25 3/4"
Fin Width: 24"
Height: 10 3/4"
Thickness: 1"
Used with Ford "F" Series

ABP N83 306015



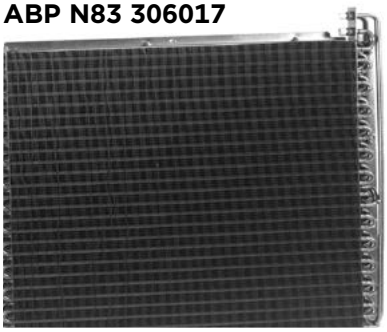
Grilldenser Type
Overall Width: 37”
Fin Width: 34 ¼”
Height: 25 ¾”
Thickness: ¾”
Used with IHC “S” Series

ABP N83 306016



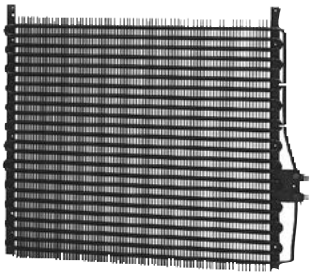
Tube & Fin Type
Overall Width: 27”
Fin Width: 25 ½”
Height: 18 ¼”
Thickness: ¾”
Fits R-1550, SK200, SK220

ABP N83 306017



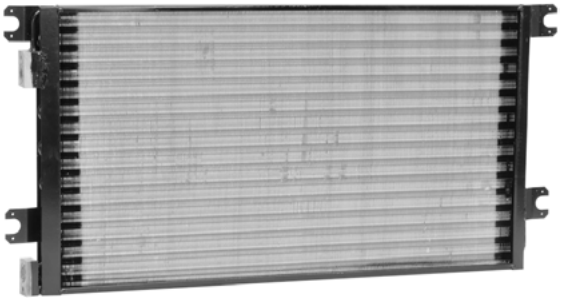
Tube & Fin Type
Overall Width: 28 1/16”, Two Row
Fin Width: 21 ½”
Height: 26 ½”
Thickness: 1 ¼”

ABP N83 306018



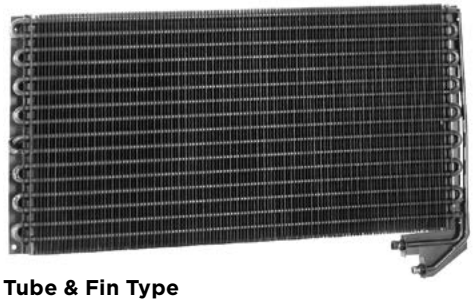
Grilldenser Type
Overall Width: 28 13/32”
Fin Width: 26 19/32”
Height: 26 5/32”
Thickness: 25/32”
Used with John Deere 690-992E-LC
IHC 2004801C3, C4, R-10035-1,-2,-3,-4

ABP N83 306022



Serpentine Type
Overall Width: 32 ½”
Fin Width: 31 ½”
Height: 16 ¼”
Thickness: ⅞”
GM Pad Fittings
Volvo VN Series OE# 8084348, 20461065

ABP N83 306023



Tube & Fin Type
Overall Width: 33 ½”, Two Row
Fin Width: 31”
Height: 16 ½”
Thickness: 1 ½”

ABP N83 306025



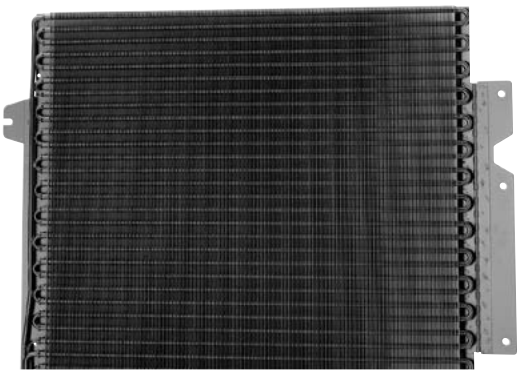
Grilldenser Type
Overall Width: 30 7/8”
Fin Width: 28 1/4”
Height: 32”
Thickness: 3/4”

ABP N83 306026



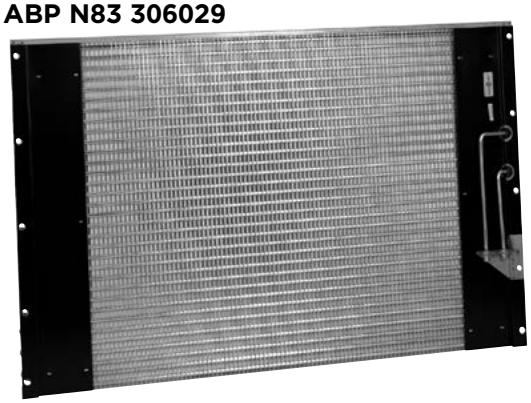
Grilldenser Type
Overall Width: 40 5/32”
Fin Width: 31 7/8”
Height: 34 19/32”
Thickness: 1 9/64”
Used with R-2825 Hinged Assembly

ABP N83 306028



Grilldenser Type
Overall Width: 49”
Fin Width: 37”
Height: 33 5/8”
Thickness: 1 1/2”
Used with R-2825, Hinged 37” header to header

ABP N83 306029



Grilldenser Type
Overall Width: 51”
Fin Width: 48”
Height: 33 1/8”
Thickness: 3/4”
Used with Mack RW, OE#210RD49302P2, PB1095

ABP N83 306030



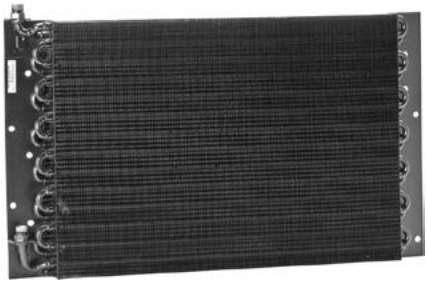
Grilldenser Type
Overall Width: 43 3/8”
Fin Width: 40 1/2”
Height: 33”
Thickness: 3/4”
Kenworth T-800, OE#K122-84

ABP N83 306035



Tube & Fin Type
Overall Width: 19”
Fin Width: 18”
Height: 19 1/4”
Thickness: 1 7/16”

ABP N83 306045



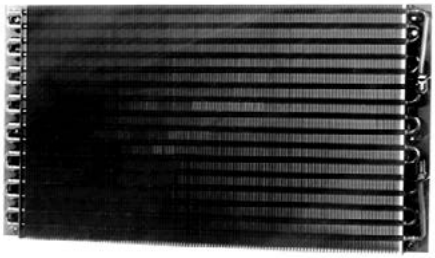
Tube & Fin Type
Overall Width: 24 ½”
Fin Width: 20”
Height: 14 7/64”
Thickness: 1 7/16”

ABP N83 306050



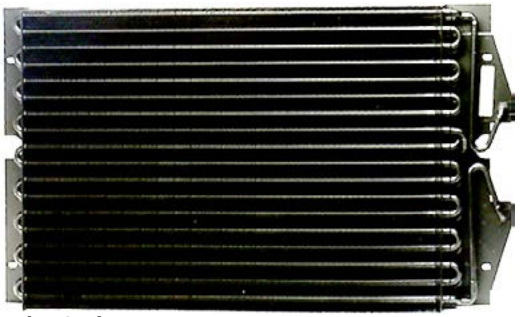
Tube & Fin Type
Overall Width: 22 ½”
Fin Width: 18 ½”
Height: 7 3/32”
Thickness: 2 ½”
Used with R-9725

ABP N83 306055



Grilldenser Type
Overall Width: 34 ¾”
Fin Width: 31”
Height: 16 ½”
Thickness: ¾”

ABP N83 306110



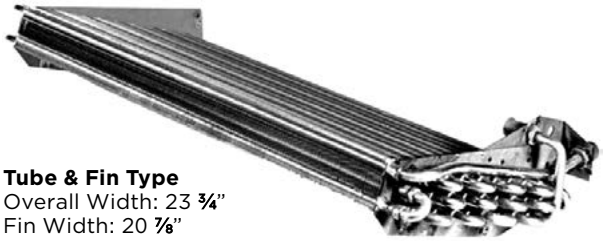
Tube & Fin Type
Overall Width: 30 ¼”
Fin Width: 25 ½”
Height: 18 3/16”
Thickness: 1 ¾”
Used with IHC Applications

ABP N83 306122



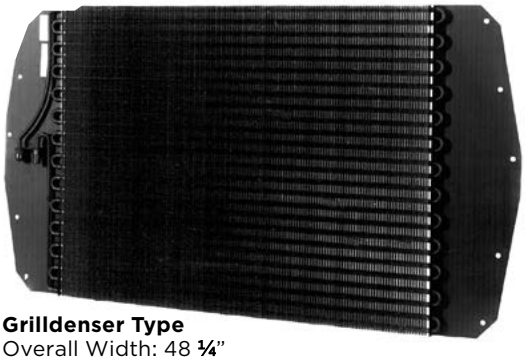
Grilldenser Type
Overall Width: 39 ⅞”
Fin Width: 37”
Height: 32”
Thickness: ¾”
Used with Peterbilt 359

ABP N83 306130



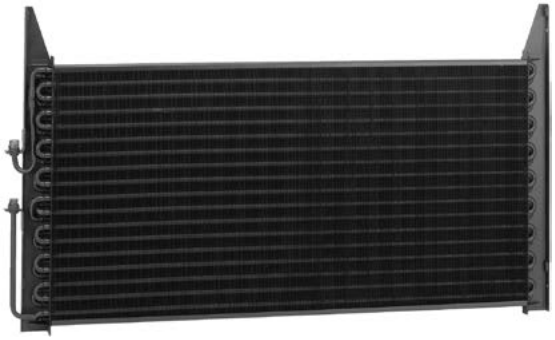
Tube & Fin Type
Overall Width: 23 ¾”
Fin Width: 20 ⅞”
Height: 11 7/16”
Thickness: 1 ⅞”
Used with R-6000, R-6060.
Fits Freightliner WFC/WFT Series, Radiator Mount

ABP N83 306135



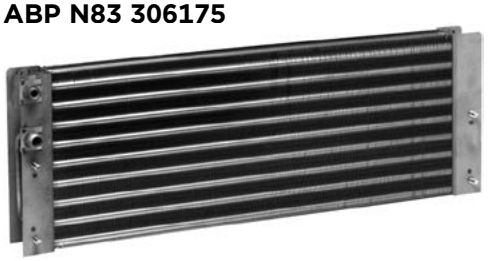
Grilldenser Type
Overall Width: 48 ¼”
Fin Width: 34 ¼”
Height: 25 ¾”
Thickness: ¾”
Used with Ford “L” Series

ABP N83 306160



Tube & Fin Type
Overall Width: 39 ⅞”
Fin Width: 35 ½”
Height: 222 ⅝”
Thickness: 1 ⅛”
Used with Western Star 604 Cab

ABP N83 306175



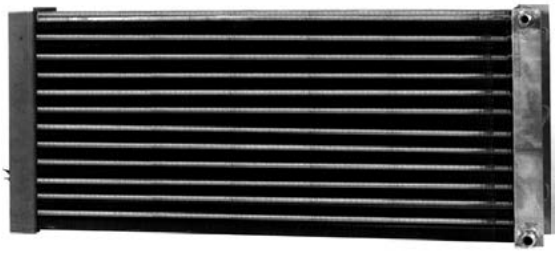
Tube & Fin Type
Overall Width: 26 ⅔”
Fin Width: 24 ¾”
Height: 9 ⅛”
Thickness: 2 ¼”
Used with Midliner R-2110

ABP N83 306180



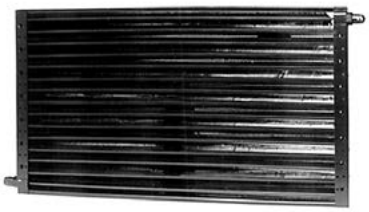
Tube & Fin Type
Overall Width: 26 ¼”
Fin Width: 23”
Height: 9 ⅛”
Thickness: 3”
Used with R-9720

ABP N83 306185



Tube & Fin Type
Overall Width: 30 ½”
Fin Width: 27 ⅜”
Height: 12 ½”
Thickness: 3 ¼”
Used with R-9730

ABP N83 306235



Serpentine Type
Overall Width: 27”
Fin Width: 25 ¼”
Height: 14 ⅞”
Thickness: ¾”
Used with Freightliner, White-Western Star Applications

ABP N83 306240



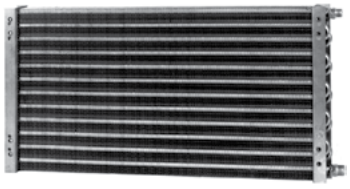
Serpentine Type
Overall Width: 29 13/16"
Fin Width: 27 3/4"
Height: 15 3/4"
Thickness: 3/4"
Used with White-Western Star

ABP N83 306260



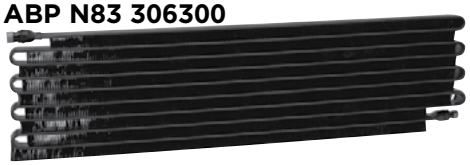
Grilldenser Type
Overall Width: 43 1/2"
Fin Width: 41"
Height: 36 1/4"
Thickness: 13/16"
Kenworth W900B, OE#K122-121

ABP N83 306270



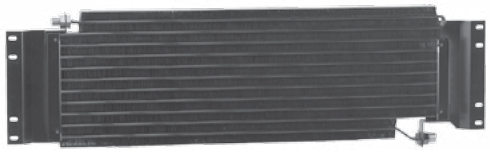
Tube & Fin Type
Overall Width: 25"
Fin Width: 23"
Height: 12 1/4"
Thickness: 1 3/4"
Freightliner WFC, WFT Series
Peterbilt 289-387 Models

ABP N83 306300



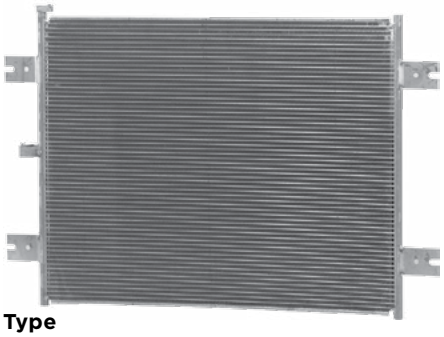
Serpentine Type
Overall Width: 32 13/16"
Fin Width: 31 19/32"
Height: 8 1/2"
Thickness: 2"
Used with Mack "R" Series, Peterbilt Conventional
Mack OE#210R45A

ABP N83 306305



Serpentine Type
Overall Width: 29 1/4"
Fin Width: 28 3/4"
Height: 10"
Thickness: 1 1/2"
Peterbilt Conventional, OE#23-12753, 18-03543
Kenworth C500B, Series, OE#K122-149

ABP N83 306322



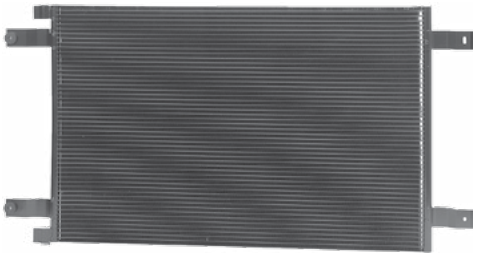
Type
Overall Width: 34"
Fin Width: 29 1/2"
Height: 24"
Thickness: 7/8"
Used with OE#IE-4582

ABP N83 306324



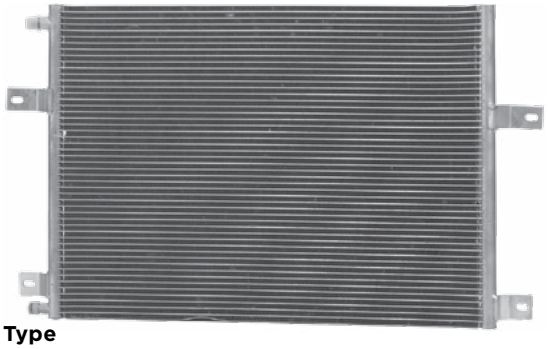
Type
Overall Width: 20"
Fin Width: 18 1/2"
Height: 24 1/2"
Thickness: 1 1/4"
Used with OE#210RD424

ABP N83 306332



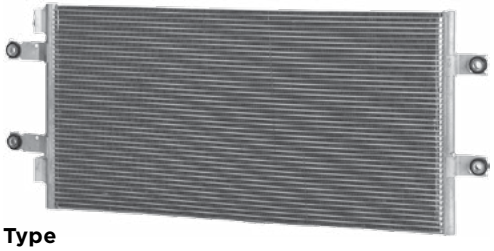
Type
Overall Width: 35”
Fin Width: 31 ¾”
Height: 20”
Thickness: ½”
Used with OE#R0337001

ABP N83 306334



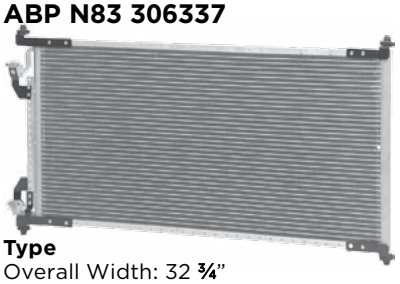
Type
Overall Width: 44”
Fin Width: 30”
Height: 19 ¾”
Thickness: ½”
Used with OE#210RD59M

ABP N83 306336



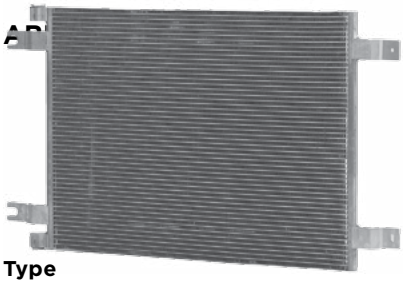
Type
Overall Width: 38 ½”
Fin Width: 32 ½”
Height: 16 ½”
Thickness: ½”
Used with OE#210RD517M

ABP N83 306337



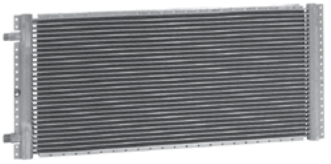
Type
Overall Width: 32 ¾”
Fin Width: 32”
Height: 16”
Thickness: ½”
Used with OE#25918636C91, 2591621C91

AB



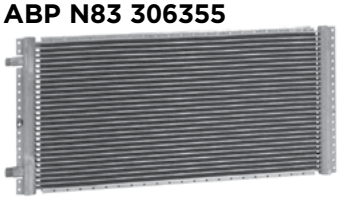
Type
Overall Width: 34 ¾”
Fin Width: 26”
Height: 20”
Thickness: ½”
Used with OE#N4783001

ABP N83 306350



Multiflow Type
Overall Width: 25 ¾”
Fin Width: 22 13/16”
Height: 12”
Thickness: ¾”

ABP N83 306355



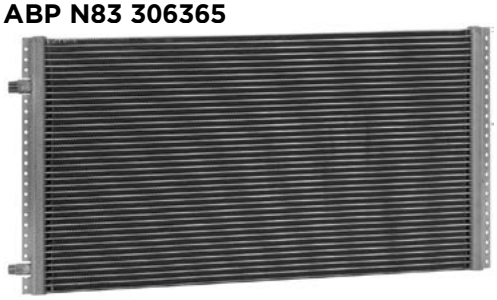
Multiflow Type
Overall Width: 21 ¾”
Fin Width: 18 13/16”
Height: 14”
Thickness: ¾”

ABP N83 306360



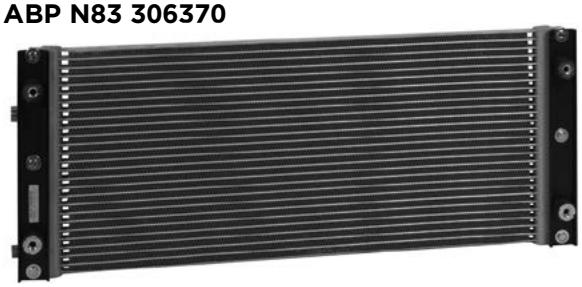
Multiflow Type
Overall Width: 25 ¾”
Fin Width: 22 13⁄16”
Height: 14”
Thickness: ¾”

ABP N83 306365



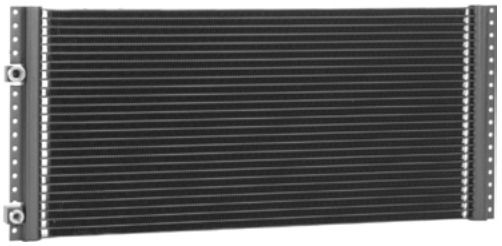
Multiflow Type
Overall Width: 29 ⅝”
Fin Width: 26 ⅝”
Height: 15 ½”
Thickness: ¾”

ABP N83 306370



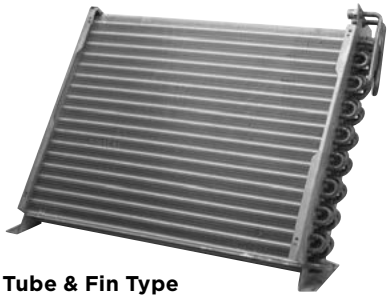
Multiflow Type
Overall Width: 26 ½”
Fin Width: 23 13⁄16”
Height: 10 ¾”
Thickness: 1 11⁄16”
Used with R-2800

ABP N83 306375



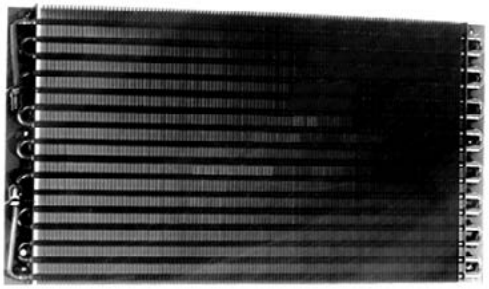
Multiflow Type
Overall Width: 24 13⁄32”
Fin Width: 21 29⁄64”
Height: 10 23⁄32”
Thickness: 1”
Used with R-4480 Caterpillar

ABP N83 306390



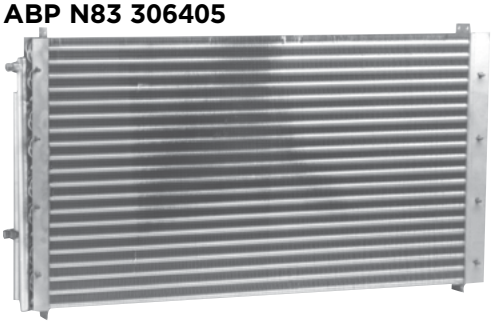
Tube & Fin Type
Overall Width: 25 ½”
Fin Width: 23”
Height: 21 ½”
Thickness: 2 ½”
Used with R-6260

ABP N83 306400



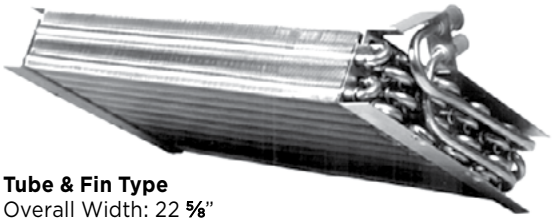
Tube & Fin Type
Overall Width: 35 ⅞”
Fin Width: 30”
Height: 16 ½”
Thickness: 1 ¾”
Used with Peterbilt 320 LCF

ABP N83 306405



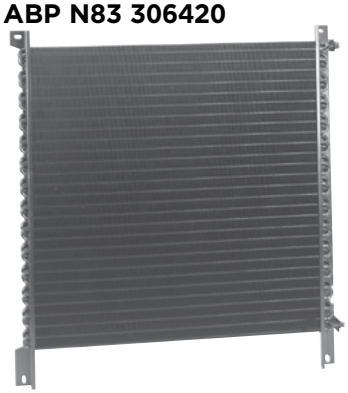
Tube & Fin Type
Overall Width: 35 5/8"
Fin Width: 34"
Height: 20 3/4"
Thickness: 2 3/4"
Used with R-4500

ABP N83 306410



Tube & Fin Type
Overall Width: 22 5/8"
Fin Width: 19 5/8"
Height: 10 1/8"
Thickness: 2 3/4"
Used with R-9727

ABP N83 306420



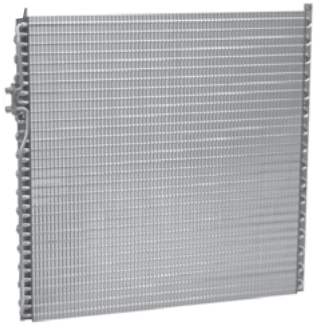
Tube & Fin Type
Overall Width: 31"
Fin Width: 28"
Height: 33 5/32"
Thickness: 1 1/4"
Used with Peterbilt 357, 377, 378, 379, 385 Conventional
OE#18-0415

ABP N83 306425



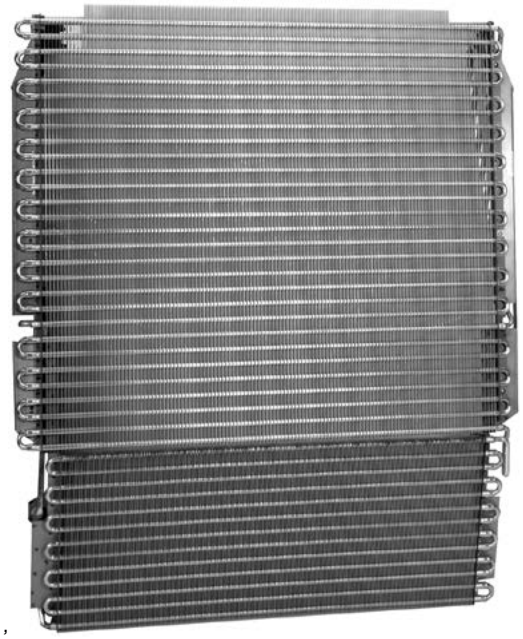
Tube & Fin Type
Overall Width: 37"
Height: 29 3/4"
Thickness: 3/4"
Used with Kenworth C500B OE#K122-149

ABP N83 306500



Grilldenser Type
Overall Width: 32 1/8"
Fin Width: 31 7/8"
Height: 27 1/4"
Thickness: 7/8"
Used with Kenworth T600A, OE#K122-81

ABP N83 306510



,
Grilldenser Type
Overall Width: 35 1/8"
Fin Width: 31"
Height: 38 5/8"
Thickness: 3/4"
Used with Kenworth T602, OE#K122-124-1
Dual Pass - Aluminum Finish

ABP N83 306515



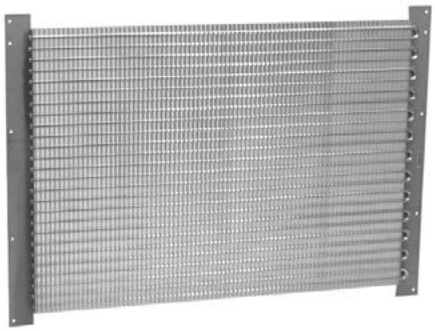
Grilldenser Type
Overall Width: 35 1/8"
Fin Width: 31"
Height: 38 5/8"
Thickness: 3/4"
Used with Kenworth T602, OE#K122-124-2
Dual Pass - Black Finish

ABP N83 306520



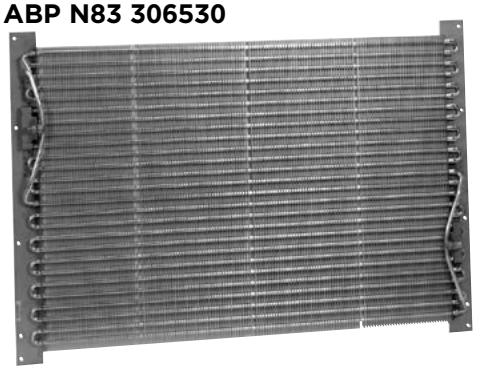
Grilldenser Type
Overall Width: 37 3/4"
Fin Width: 35 1/4"
Height: 36 9/16"
Thickness: 7/8"
Used with Kenworth W900L, OE#K122-98

ABP N83 306525



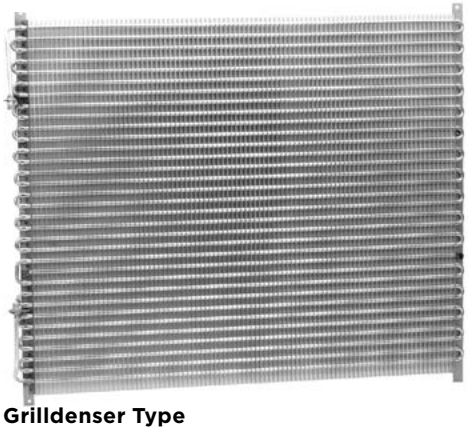
Grilldenser Type
Overall Width: 41 3/4"
Fin Width: 37"
Height: 29"
Thickness: 27/32"
Used with Kenworth T800 - Nonfunctional, OE#K137-230

ABP N83 306530



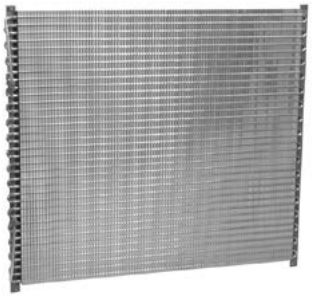
Grilldenser Type
Overall Width: 41 ¾”
Fin Width: 37”
Height: 29”
Thickness: ⅞”
Used with Kenworth T800, OE#K122-102

ABP N83 306535



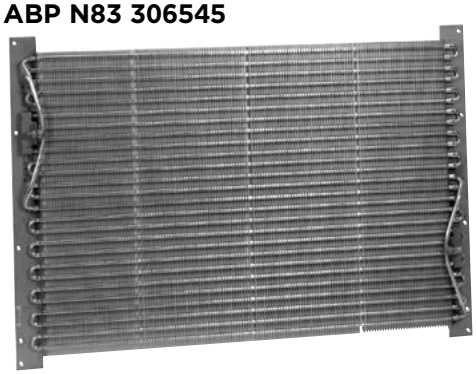
Grilldenser Type
Overall Width: 42 ¼”
Fin Width: 40 ¼”
Height: 36”
Thickness: ¾”
Used with Kenworth 1400 Series, OE#K122-64

ABP N83 306540



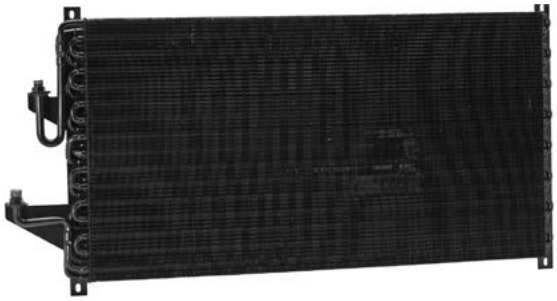
Grilldenser Type
Overall Width: 43 ½”
Fin Width: 41”
Height: 38 ⅝”
Thickness: ¾”
Used with Kenworth 900B, OE#K122-62

ABP N83 306545



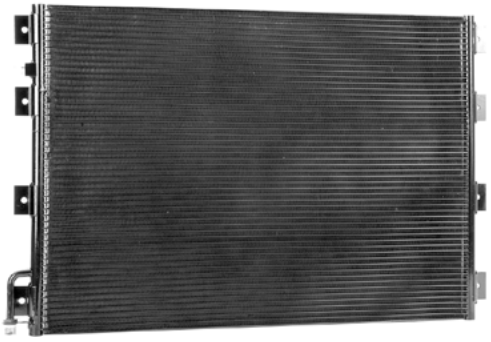
Grilldenser Type
Overall Width: 43 ½”
Fin Width: 41”
Height: 36 $^{13}/_{16}$”
Thickness: ⅞”
Used with Kenworth T800 Dual Pass, OE#K122-118

ABP N83 306550



Grilldenser Type
Overall Width: 32 ¼”
Fin Width: 30”
Height: 17 ⅝”
Thickness: 1 ⅜”
OE#K122-128

ABP N83 306575



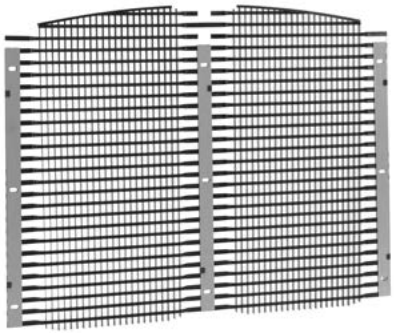
Grilldenser Type
Overall Width: 32 ½”
Fin Width: 28 ½”
Height: 20 ⅞”
Thickness: ¾”
Used with Kenworth T400-T600A, 1995-2006
Black
OE#K122-125

ABP N83 306590



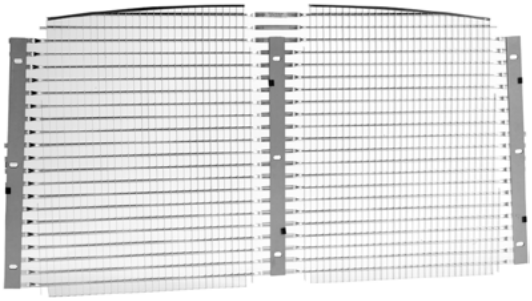
Nonfunctional Grill
Overall Width: 35 ½”
Fin Width: 32 15⁄16”
Height: 27 ⅜”
Thickness: ½”
Used with Kenworth T400, T602, T603, OE#K137-299-1
Aluminum Finish
Non Functional
Sold without brackets

ABP N83 306595



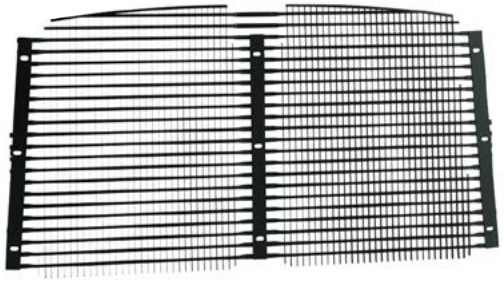
Nonfunctional Grill
Overall Width: 35 ½”
Fin Width: 32 15⁄16”
Height: 27 ⅜”
Thickness: ½”
Used with Kenworth T400, T602, T603,
OE#K137-299-2
Black Finish - Non Functional
Sold without brackets

ABP N83 306605



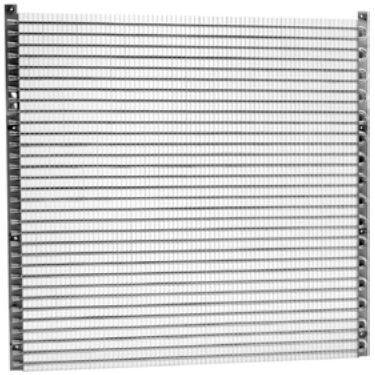
Grilldenser Type
Overall Width: 41 ⅜”
Fin Width: 37”
Height: 22”
Thickness: 1”
Used with Kenworth T-300 (NonFunctional)
OE#K137-300-1
Aluminum Finish
Sold with brackets

ABP N83 306610



Grilldenser Type
Overall Width: 41 ⅜”
Fin Width: 37”
Height: 22”
Thickness: 1”
Used with Kenworth T-300 (NonFunctional)
OE#K137-300-2
Black Finish
Sold with brackets

ABP N83 306615



Grilldenser Type
Overall Width: 34 ¼”
Fin Width: 33”
Height: 33 ⅜”
Thickness: 13⁄16”
Use with Kenworth K-100, K100E Series, OE#K137-288
Front Cab

ABP N83 306620



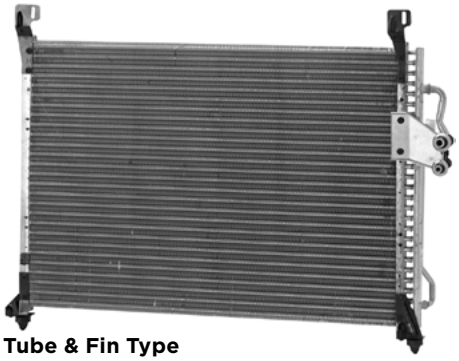
Grilldenser Type
Overall width with brackets: 35 ⅝”
Fin Width: 32”
Height: 24 ⅝”
Thickness: ⅝”
Used with Kenworth T-2000 OE#486684-5008

ABP N83 306805



Grilldenser Type
Fin Width: 26 ¾”
Height: 32 ½”
Thickness: 1”
Used with Ford OE#E7HZ-19712-A,D and C-CT Series

ABP N83 306820



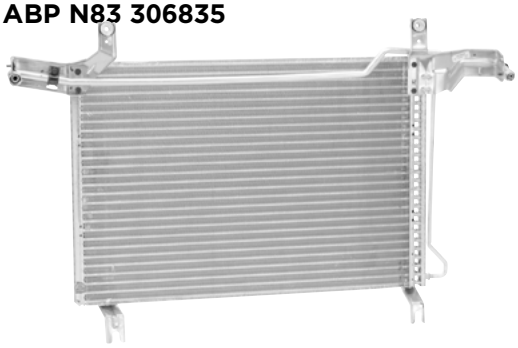
Tube & Fin Type
Fin Width: 25”
Height: 17”
Thickness: 1”
Used with Ford Applications

ABP N83 306830



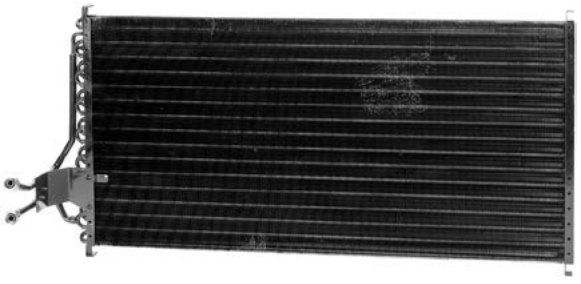
Serpentine Type
Fin Width: 28 ¼”
Height: 23”
Thickness: 1”
Used with Ford “E” Series

ABP N83 306835



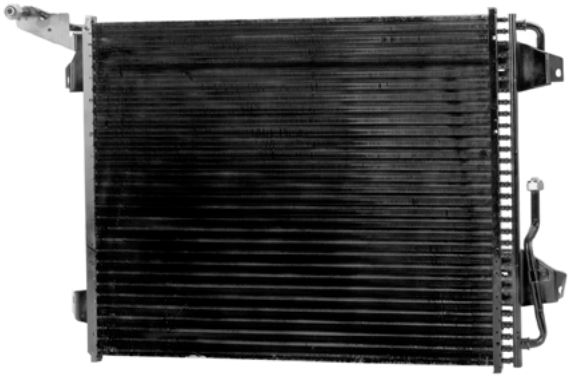
Serpentine Type
Fin Width: 25”
Height: 17 ½”
Thickness: 1”
Used with Ford “F” Series

ABP N83 306840



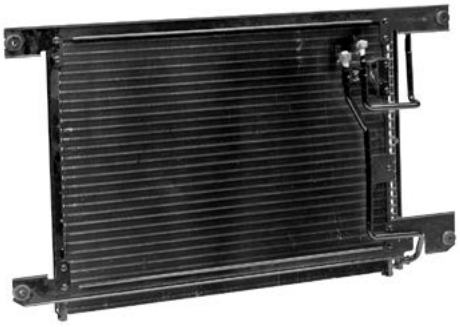
Serpentine Type
Fin Width: 32 ¾”
Height: 16 ½”
Thickness: 1”
Used with Ford Applications

ABP N83 306865



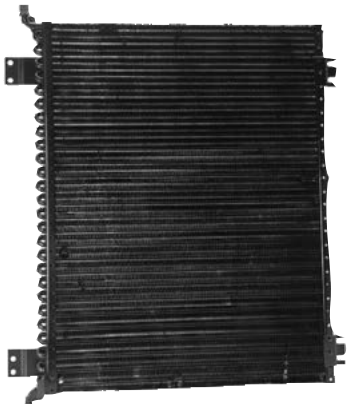
Serpentine Type
Fin Width: 23 3/16"
Height: 19 7/16"
Thickness: 7/8"
Used with Ford F-600/900

ABP N83 306870



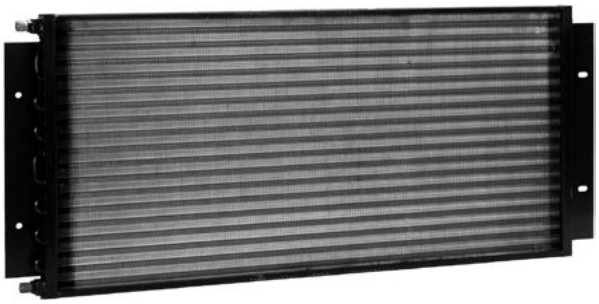
Serpentine Type
Overall Width: 34 3/4"
Fin Width: 25 1/4"
Height: 19 7/16"
Thickness: 7/8"
Used with Ford F700, 900

ABP N83 306875



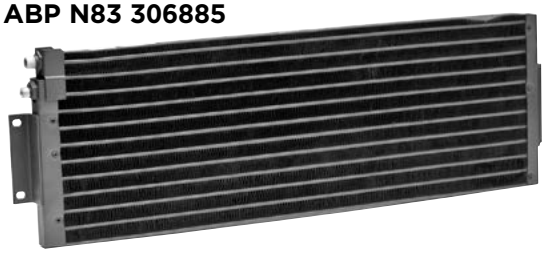
Tube & Fin Type
Fin Width: 27"
Height: 21"
Thickness: 1"
Used with Ford "L" Series, OE#F4HZ-19712A

ABP N83 306880



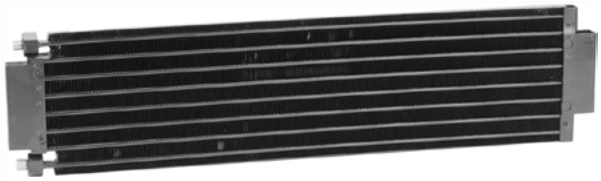
Fin Width: 37"
Height: 19"
Thickness: 3/4"
Used with Ford "L" Series, Sterling/Ford OE#F6HZ-19712A, Motorcraft YJ363

ABP N83 306885



Serpentine Type
Overall Width: 36 3/16"
Fin Width: 33 3/4"
Height: 11 1/8"
Thickness: 1 1/8"
Used with Mack 210R421M

ABP N83 306890



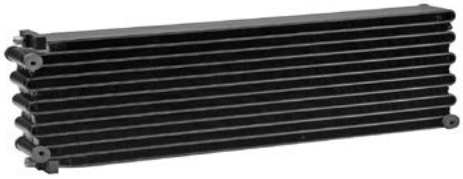
Serpentine Type
Overall Width: 33 2/3"
Fin Width: 31 13/16"
Height: 8 1/2"
Thickness: 1"
Used with Mack OE#210RD410M

ABP N83 306895



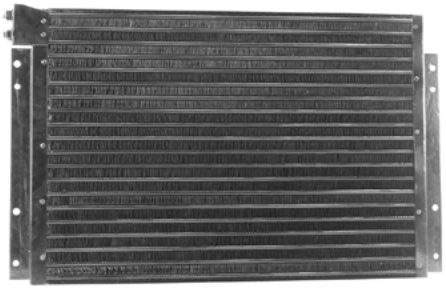
Serpentine Type
Overall Width: 36 13/16”
Fin Width: 34”
Height: 26 3/4”
Thickness: 1”
Used with Mack 210RD412

ABP N83 306900



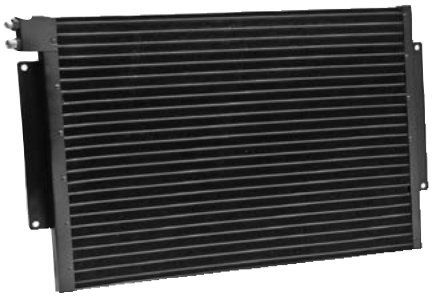
Serpentine Type
Overall Width: 28 3/4”
Fin Width: 27 3/4”
Height: 9 1/2”
Thickness: 3”
Used with Mack 210RD413

ABP N83 306902



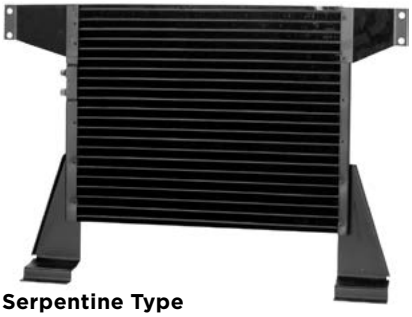
Serpentine Type
Overall Width: 34 1/2”
Fin Width: 29 3/8”
Height: 21 3/16”
Thickness: 1”
Used with Mack OE#210RD428

ABP N83 306905



Serpentine Type
Overall Width: 34 1/2”
Fin Width: 31 1/2”
Height: 23 9/32”
Thickness: 1”
Used with Mack 210RD418

ABP N83 306910



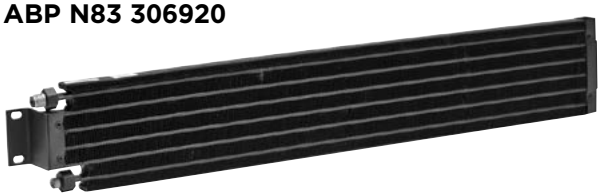
Serpentine Type
Overall Width: 30”
Fin Width: 28”
Height: 28 5/16”
Thickness: 1”
Used with Mack OE#210RD54M

ABP N83 306915



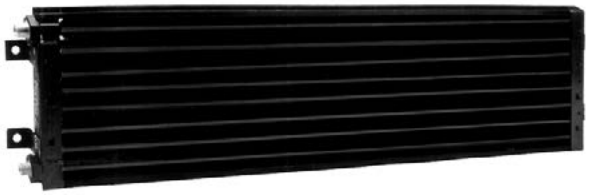
Serpentine Type
Overall Width: 33 2/3”
Fin Width: 31 13/16”
Height: 8 1/2”
Thickness: 1”
Used with Mack OE#210RD46AM-R.H.

ABP N83 306920



Serpentine Type
Overall Width: 39 7/32”
Fin Width: 37 13/32”
Height: 6 7/16”
Thickness: 1 1/4”
Used with Mack 210RD411M

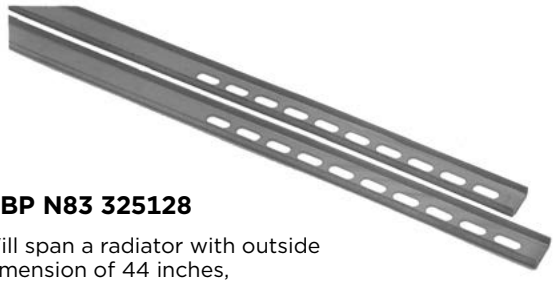
ABP N83 325142



Serpentine Type
Overall Width: 33”
Fin Width: 31 7/8”
Height: 8 1/2”
Thickness: 1 1/4”
Used with Mack “MH”, “U”, “DM”, OE#210RD46AM

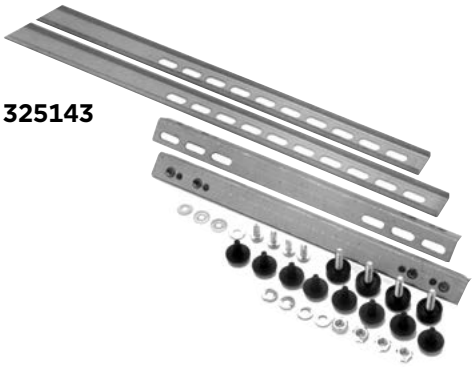
CONDENSER MOUNTING BRACKETS

Developed to aid the installer, these universal condenser mounting brackets attach directly to the condenser.



ABP N83 325128

Will span a radiator with outside dimension of 44 inches, 16 gauge steel



ABP N83 325143

NOTES

EVAPORATORS 7

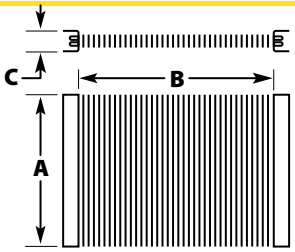
Did You Know...

Poor system performance may be due to faulty compressor reed valves.

Service Tip:

An internal hissing sound immediately after compressor shutdown indicates high side to low side pressure leakage. With manifold gauges attached, readings showing lower than normal discharge pressures and high suction pressures or a rapid stabilization of gauge readings shortly after shutdown indicate leaking reed valves or head gasket.

EVAPORATOR COIL SPECIFICATIONS



Listed in ascending order by Height (A) x Length (B) x Width (C)

[A] Height [1]	[B] Length [2]	[C] Width [3]	Used on Red Dot Unit...	Alliance P/N	
4	19 1/8	2 3/4	R-9750	**ABP N83 307060**	
5	14 1/2	2 1/2	R-8500. R-10035	**ABP N83 307055**	
5 1/8	13 1/8	3 1/2	R-2300	**ABP N83 307750**	
5 1/4	12 7/16	3	R-2100	**ABP N83 307620**	
5 1/4	12 7/16	3	R-2110, R-2130	**ABP N83 307230**	
6	12 1/2	2 3/4	R-2000	**ABP N83 307225**	
6	13 1/2	2 3/4	R-8545	**ABP N83 307270**	
6	15	2 5/32	R-3300	**ABP N83 307035**	
6	15 1/8	2 5/32	R-6000	**ABP N83 307210**	
6 7/64	9 3/4	3 13/32	R-1630	**ABP N83 307575**	
6 7/64	16 1/2	3 13/32	R-2825	**ABP N83 307600**	
6 7/64	17 1/2	2 3/4	R-2500	**ABP N83 307625**	
6 7/64	23 1/2	3 13/32	R-3960	**ABP N83 307605**	
6 7/64	23 1/2	3 13/32	R-9475	**ABP N83 307590**	
6 1/8	17 1/2	2 5/32	R-9777	**ABP N83 307780**	
6 1/8	19 1/8	3 3/8	R-10045-0	**ABP N83 307630**	
6 1/8	22	2 3/4	R-10151-0	**ABP N83 307635**	
7"	10 3/8"	2 5/8"		**ABP N83 307296**	
7	13 3/8	3 3/8	Freightliner Applications	**ABP N83 307570**	
7 7/64	17 1/2	2 5/32	R-9737-3, R-9757	**ABP N83 307640**	
7 7/64	17 1/2	2 5/32	R-9800	**ABP N83 307645**	
7 11/32	19 7/8	3 21/32	R-10044	**ABP N83 307120**	
7 7/16	11	2		**ABP N83 307515**	
8	5 5/8	2 7/8	R-4290	**ABP N83 307040**	
8	8	2 7/8	R-1500	**ABP N83 307655**	
8	8	3 13/32	R-4130, R-4160, R-4170, R-4190	**ABP N83 307110**	
8	8 1/4	3 13/32	R-5050 with drain pan, R-8050, R-8820	**ABP N83 307195**	
8	9	2 1/2	R-3710, R-5030	**ABP N83 307170**	LS
8	9	3	R-5060	**ABP N83 307200**	
8	9	2 3/4	R-7820, R-7830	**ABP N83 307215**	
8	10	3 13/32	R-3180	**ABP N83 307025**	
8	10 13/32	3 13/32	R-3130, Freightliner Applications	**ABP N83 307580**	LS
8	11 1/8	2 7/8	R-3040	**ABP N83 307090**	

NOTES: LS = Limited to stock on hand
All evaporator coils are #8 male O-Ring.
Some evaporator coils are supplied with a header extension kit.
1. Height of coil is measured along the fin.
2. Length of coil is the fin segment between header plates.
3. Width is coil dimension; e.g. 4 rows of tubes is 2 1/2 inches.

EVAPORATOR COIL SPECIFICATIONS

Listed in ascending order by Height (A) x Length (B) x Width (C)

[A] Height [1]	[B] Length [2]	[C] Width [3]	Used on Red Dot Unit...	Alliance P/N
8	11 ½	3 13/32	R-1550, R-1600-0, R-1600-1	**ABP N83 307670**
8	11 13/16	2 ⅞	R-4040	**ABP N83 307160**
8	12	3 13/32	R-5130	**ABP N83 307255**
8	12 11/64	3 ⅜	See Freightliner **Applications** section	**ABP N83 307380**
8	12 11/64	3 13/32	Kenworth Applications	**ABP N83 307675**
8	12 ¼	4 ⅛	Ford OE# E7TZ-19860-A	**ABP N83 307555**
8	12 ½	3 ⅛	See Freightliner **Applications** section	**ABP N83 307360**
8	12 11/16	3 13/32	R-2180, R-7070, R-10040	**ABP N83 307185**
8	13	3 13/32	R-1620	**ABP N83 307680**
8	14 9/16	2 ⅞	R-5180	**ABP N83 307045**
8	15	3 ⅛	See Freightliner **Applications** section	**ABP N83 307300**
8	15 ⅛	3	R-9727-1	**ABP N83 307145**
8	17 ½	2 ½	See Freightliner **Applications** section	**ABP N83 307020**
8	18 ¼	2 ¼	See Freightliner **Applications** section	**ABP N83 307350**
8 1/16″	8″	2 ⅜″		**ABP N83 307298**
8 7/64	7 29/32	3 13/32	R-4230	**ABP N83 307480**
8 7/64	15 3/64	3 13/32	R-5040, R-5045-2, R-5075, R-10170	**ABP N83 307180**
8 7/64	15 3/64	3 ½	R-2510-0	**ABP N83 307685**
8 7/64	15 3/64	3 ½	R-2520, R-9500, R-9510, R-10034	**ABP N83 307690**
8 7/64	21 9/32	2 ⅞	R-9715	**ABP N83 307470**
8 7/64	23 7/16	3 13/32	R-9787	**ABP N83 307595**
8 9/32	9 ½	3 3/16	See Freightliner **Applications** section	**ABP N83 307125**
9 ½″	10 ⅜″	2 ½″		**ABP N83 307297**
10	7 11/16	2 9/16	See Freightliner **Applications** section	**ABP N83 307285**
10	7 13/16	3	See Freightliner **Applications** section	**ABP N83 307490**
10	9	3 ⅛	R-5150, R-8800	**ABP N83 307095**
10	9	3 ⅛	R-8220, R-8230	**ABP N83 307050**
10	12	4	R-2550	**ABP N83 307695**
10	15 ½	3 ¾	R-10060-0, -1, -2, -3 Evaporator/Heater Combo	**ABP N83 307705**
10 7/64	11	3 13/32	R-5260	**ABP N83 307560**
10 7/64	11	3 13/32	R-5275	**ABP N83 307715**
10 ½	8 ¼	3 ⅝	R-8725-0	**ABP N83 307485**
11 ¼	13 ½	3 ½	R-10046, R-10047	**ABP N83 307735**
12	6 ½	3 ¼	See Freightliner **Applications** section	**ABP N83 307010**
12	6 ½	3 ⅞	See Freightliner **Applications** section	**ABP N83 307740**
12	8 ⅞	1 ⅞	See Freightliner **Applications** section	**ABP N83 307305**
12	10 ½	2 ¾	See Freightliner **Applications** section	**ABP N83 307465**
12	10 19/32	2 ⅞	R-10235	**ABP N83 307260**
12 ¼	11 ¼	2 5/16	See Freightliner Applications section	**ABP N83 307290**

NOTES: LS = Limited to stock on hand
All evaporator coils are #8 male O-Ring.
Some evaporator coils are supplied with a header extension kit.
1. Height of coil is measured along the fin.
2. Length of coil is the fin segment between header plates.
3. Width is coil dimension; e.g. 4 rows of tubes is 2 ½ inches.

ABP N83 307010



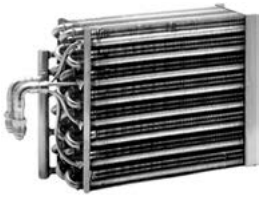
12" high x 6 ½" long x 3 ¼" wide

ABP N83 307020



8" high x 17 ½" long x 2 ½" wide
Freightliner Applications

ABP N83 307025



8" high x 9" long x 3 13/32" wide

ABP N83 307035



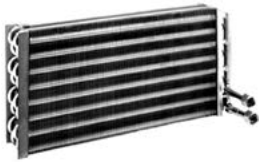
6" high x 15" long x 2 5/32" wide

ABP N83 307040



8" high x 5 5/8" long x 2 7/8" wide

ABP N83 307045



8" high x 14 9/16" long x 2 7/8" wide

ABP N83 307050



10" high x 9" long x 3 1/8" wide

ABP N83 307055



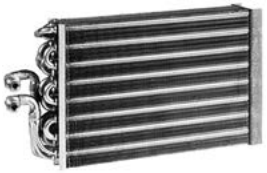
5" high x 14 ½" long x 2 ½" wide

ABP N83 307060



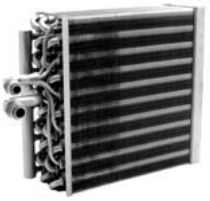
4" high x 19 1/8" long x 2 ¾" wide

ABP N83 307090



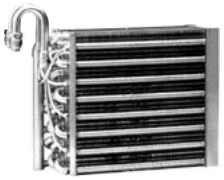
8" high x 11 1/8" long x 2 7/8" wide

ABP N83 307095



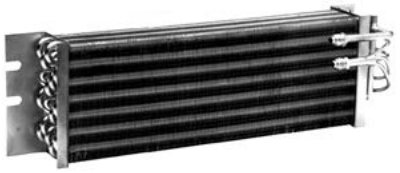
10" high x 9" long x 3 1/8" wide

ABP N83 307110



8" high x 8" long x 3 13/32" wide

ABP N83 307120



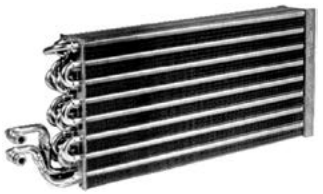
7 11/32" high x 19 7/8" long x 3 21/32" wide

ABP N83 307125



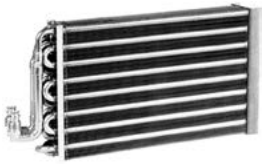
8 9/32" high x 9 ½" long x 3 3/16" wide

ABP N83 307145



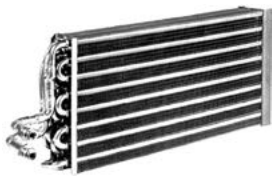
8" high x 15 1/8" long x 3" wide

ABP N83 307160



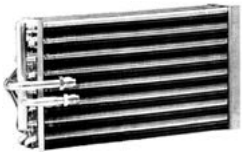
8" high x 11 13/16" long x 2 7/8" wide

ABP N83 307180



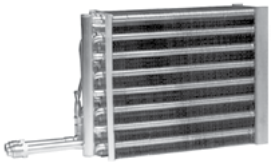
8 7/64" high x 15 3/64" long x 3 13/32" wide

ABP N83 307185

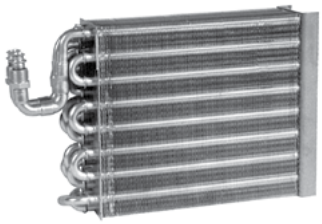


8" high x 12 11/16" long x 3 13/32" wide

ABP N83 307195

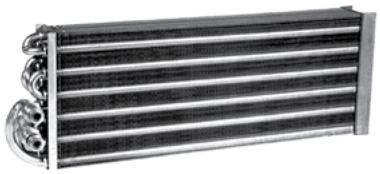


8” high x 8 ¼” long x 3 13/32” wide



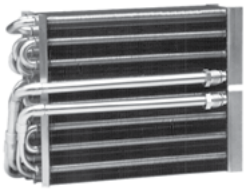
8” high x 9” long x 3” wide

ABP N83 307210



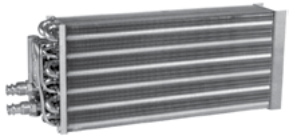
6” high x 15 ⅛” long x 2 5/32” wide

ABP N83 307215



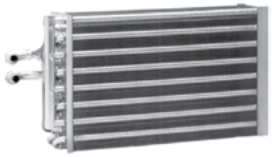
8” high x 9” long x 2 ¾” wide

ABP N83 307225



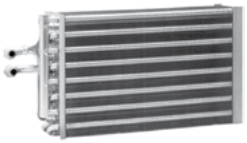
6” high x 12 ½” long x 2 ¾” wide

ABP N83 307230



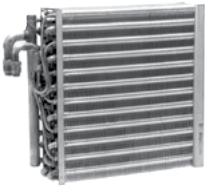
5” high x 12 7/16” long x 2 ⅞” wide

ABP N83 307255



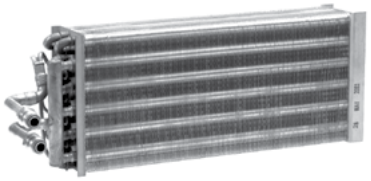
8” high x 10 ⅜” long x 2 ⅝” wide

ABP N83 307260



12” high x 10 19/32” long x 2 ⅞” wide

ABP N83 307270



6” high x 13 ½” long x 2 ¾” wide

ABP N83 307285



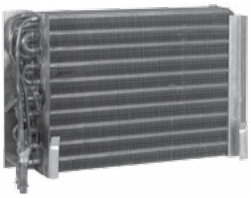
10” high x 7 11/16” long x 2 9/16” wide

ABP N83 307290



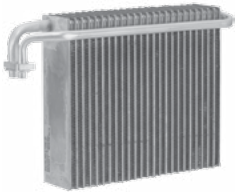
12 ¼” high x 11 ¼” long x 2 5/16” wide

ABP N83 307291



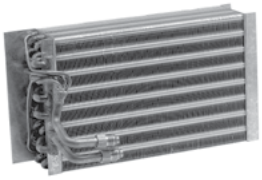
10” high x 12 ¾” long x 2 ¾” wide

ABP N83 307297



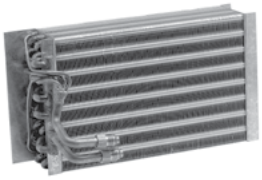
9 ¼” high x 10 ¼” long x 2 ¼” wide

ABP N83 307300



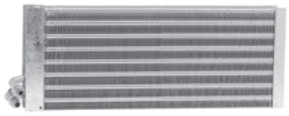
8” high x 15” long x 3 ⅛” wide

ABP N83 307305



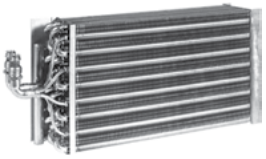
12” high x 8 ⅞” long x 1 ⅞” wide

ABP N83 307350



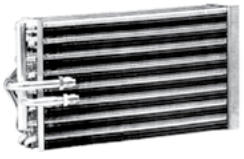
8” high x 18 ¼” long x 2 ¼” wide

ABP N83 307360



8” high x 12 ½” long x 3 ⅛” wide

ABP N83 307380



8” high x 12 11/64” long x 3 ⅜” wide

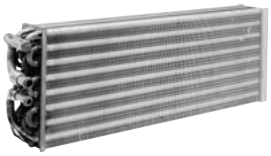
LS = Limited to stock on hand

ABP N83 307465



12" high x 10 ½" long x 2 ¾" wide

ABP N83 307470



8 7/64" high x 21 9/32" long x 2 7/8" wide

ABP N83 307480



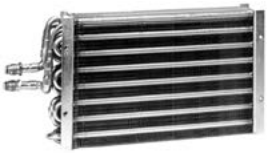
8 7/64" high x 7 29/32" long x 3 13/32" wide

ABP N83 307485



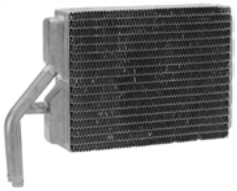
10 ½" high x 8 ¼" long x 3 5/8" wide

ABP N83 307490



10" high x 7 13/16" long x 3" wide

ABP N83 307515



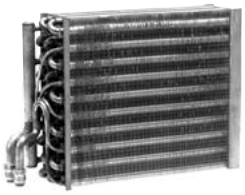
7 1/16" high x 11" long x 2" wide

ABP N83 307555



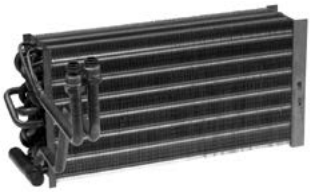
8" high x 12 ¼" long x 4 1/8" wide

ABP N83 307560



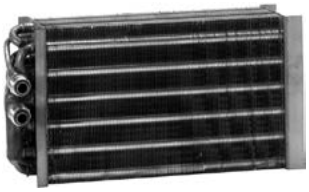
10 7/64" high x 11" long x 3 13/32" wide

ABP N83 307570



7" high x 13 3/8" long x 3 3/8" wide

ABP N83 307575



6 7/64" high x 9 3/4" long x 3 13/32" wide

ABP N83 307580 – LS



8" high x 11 ½" long x 3 13/32" wide

ABP N83 307590



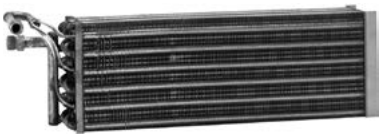
6 7/64" high x 23 ½" long x 3 13/32" wide

ABP N83 307595



8 7/64" high x 23 7/16" long x 3 13/32" wide

ABP N83 307600



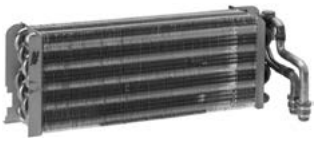
6 7/64" high x 16 ½" long x 3 13/32" wide

ABP N83 307605



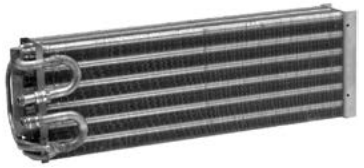
6 7/64" high x 23 ½" long x 3 13/32" wide

ABP N83 307620



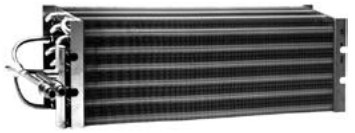
5 ¼" high x 12 7/16" long x 3" wide

ABP N83 307625



6 7/64" high x 17 ½" long x 2 ¾" wide

ABP N83 307630



6 1/8" high x 19 1/8" long x 3 3/8" wide

ABP N83 307635



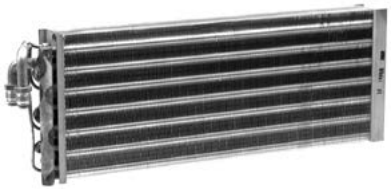
6 ⅛" high x 22" long x 2 ¾" wide

ABP N83 307638



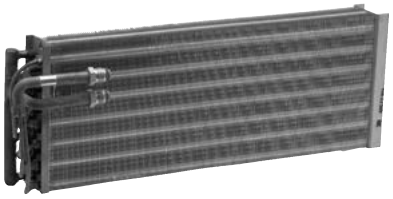
6 ⅛" high x 22" long x 2 ¾" wide

ABP N83 307640



7 ⁷⁄₆₄" high x 17 ½" long x 2 ⁵⁄₃₂" wide

ABP N83 307645



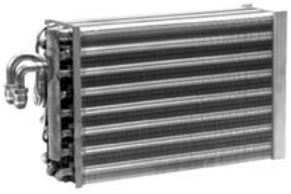
7 ⁷⁄₆₄" high x 17 ½" long x 2 ⁵⁄₃₂" wide

ABP N83 307655



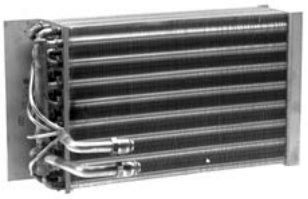
8" high x 8" long x 2 ⅞" wide

ABP N83 307670



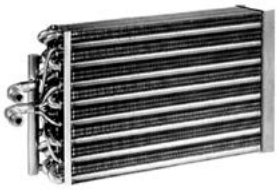
8" high x 11 ½" long x 3 ¹³⁄₃₂" wide

ABP N83 307675



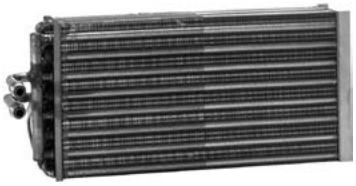
8" high x 12 ¹¹⁄₆₄" long x 3 ¹³⁄₃₂" wide
Kenworth Applications,
OE#151328 BSM

ABP N83 307680



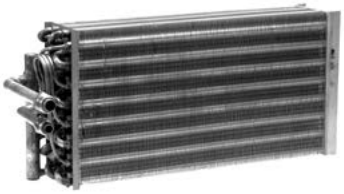
8" high x 13" long x 3 ¹³⁄₃₂" wide

ABP N83 307685



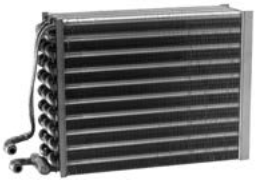
8 ⁷⁄₆₄" high x 15 ³⁄₆₄" long x 3 ½" wide

ABP N83 307690



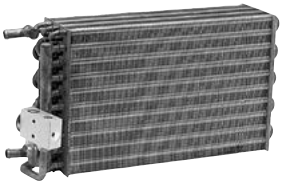
8 ⁷⁄₆₄" high x 15 ³⁄₆₄" long x 3 ½" wide

ABP N83 307695



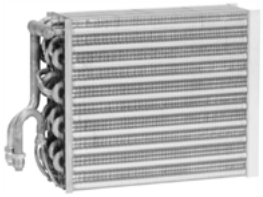
10" high x 12" long x 4" wide

ABP N83 307705



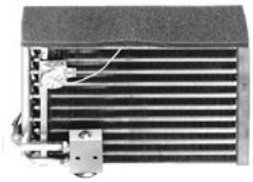
10" high x 15 ½" long x 3 ¾" wide
Expansion Valve Not Included

ABP N83 307715



10 ⁷⁄₆₄" high x 11" long x 3 ¹³⁄₃₂" wide

ABP N83 307725



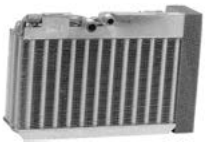
10 ³⁄₃₂" high x 12 ¹¹⁄₁₆" long x 3 ¹³⁄₃₂" wide
Expansion Valve Not Included

ABP N83 307735



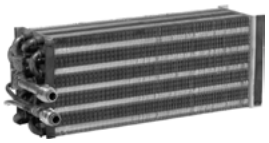
11 ¼" high x 13 ½" long x 3 ½" wide

ABP N83 307740



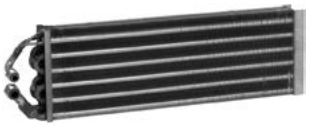
12" high x 6 ½" long x 3 ⅞" wide
OE#BOA 73-000-04-02,
BOA 80-375-00-569
Freightliner Applications

ABP N83 307750



6 ⅛" high x 13 ⅛" long x 3 ½" wide

ABP N83 307780



6 ⅛" high x 17 ½" long x 2 ⁵⁄₃₂" wide

EXPANSION VALVES

8

Did You Know...

The expansion valve meters refrigerant based upon evaporator heat loads. As the refrigerant gas leaving the evaporator passes through the valves outlet port, gas temperature is sensed by the valves internal sensing bulb and the refrigerant level is regulated.

Service Tip:

The most common expansion valve failure mode is due to valve charge head leaks. System contaminants lodged in valve inlet orifice may also affect valve metering and flow capabilities. Suspected metering inconsistencies many times have distinct characteristics.

- Starving Expansion Valve: Frost present on inlet of evaporator.
- Flooding Expansion Valve: Hissing at valve upon system shutdown.

A manifold gauge set must be installed to confirm irregular system pressures.

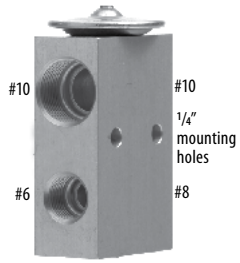
BLOCK-TYPE EXPANSION VALVES SPECIFICATIONS

Alliance No.	Mounting	Hose Side In	Hose Side Out	Evaporator In	Evaporator Out	Rated Capacity (tonnage)	Super-heat Rating	Pressure Limit (Max Oper. Press) ± 8.5 psig
ABP N83 308009	Bulbless Block ¼" mtg hole	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	1 ½	5°F	80 psig @ 40°F
ABP N83 308011	Bulbless Block ¼" mtg hole	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#8 (½") Female Tube O-Ring	1 ½	5°F	80 psig @ 40°F
ABP N83 308071	Bulbless Block ¼" mtg hole	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	2 T, Hi-cap	8°F	53.5 psig @ 75°F
ABP N83 308097	Bulbless Block ¼" mtg hole	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	2 Anti-trumpeting	8°F	53.5 psig @ 75°F
ABP N83 308107	Bulbless Block M8 x 1.25-6H thread mtg, BEHR OE# BOA A4965, Engelhof #327302	#6 Stat O Seal	#12 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	2		
ABP N83 308117	Bulbless Block BEHR OE# BOA A93674	#6 Stat O Seal	#10 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	1 ½		Color: Burgundy
ABP N83 308125	Bulbless Block	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	2 Anti-trumpeting	5°F	53.5 psig @ 75°F
ABP N83 308141	Bulbless Block M6 x 1.0-6H stud	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	2 T, Hi-cap	8.5°F	53.5 psig @ 90°F M12, M10 Schrader switch ports
ABP N83 308151	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	1 ½	8.5°F	53.5 psig @ 90°F
ABP N83 308191	Bulbless Block ¼" mtg hole	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#8 (½") Female Tube O-Ring	1 ½	5°F	50 psig @ 85°F 7/16" Schrader switch port
ABP N83 308221	Bulbless Block 5/16"-18 threaded mtg	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#8 (½") Female Tube O-Ring	1 ½	5°F	80 psig @ 40°F
ABP N83 308231	Slimline Auxillary Unit M8 x 1.25-6H thread mtg, Color: Gold	#6 Stat-O-Seal	#10 Stat-O-Seal	#8 Stat-O-Seal	#10 Stat-O-Seal	1 ½	8.5°F	53.5 psig @ 90°F
ABP N83 308241	Slimline Auxillary Unit M8 x 1.25-6H thread mtg, BEHR OE# BOA 80-321-00-269, Color: Gold	#6 Stat O Seal	#10 Stat O Seal	#8 Stat O Seal	#10 Stat O Seal	1 ½	12°F	50 psig @ 85°F
ABP N83 308251	Bulbless Block ¼" mtg holes	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	2 T, Hi-cap	8°F	53.5 psig @ 75°F M12, M10 Schrader switch ports
ABP N83 308261	Bulbless Block M6 x 1.0-6H stud	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#8 (½") Female Tube O-Ring	1 ½ Schrader switch port	8°F	53.5 psig @ 75°F
ABP N83 308281	Bulbless Block M6 x 1.0-6H stud	#6 Plate (Flange) Mount	#10 Plate (Flange) Mount	#8 Plate (Flange) Mount	#8 Plate (Flange) Mount	1 ½		M12, M10 Schrader switch ports
ABP N83 308291	Bulbless Block 5/16"-18 threaded mtg	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	1 ½	5°F	50 psig @ 75°F
ABP N83 308301	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#12 Plate (Flange) Mount	#8 Plate (Flange) Mount	#10 Plate (Flange) Mount	1 ½	5.5°F	65.7 psig @ 90°F
ABP N83 308351	Bulbless Block	(Flange) Mount	(Flange) Mount	(Flange) Mount	(Flange) Mount	1 ½		
ABP N83 308361	Bulbless Block M8 x 1.25-6H thread mtg	#6 Mini Stat O Seal (Flange) Mount	#10 Mini Stat O Seal (Flange) Mount	#8 Mini Stat O Seal (Flange) Mount	#10 Mini Stat O Seal (Flange) Mount	1 ½	12°F	50 psig @ 85°F
ABP N83 308371	Bulbless Block M6 x 1.0-6H thread mtg	#6 Plate (Flange) Mount	#12 Plate (Flange) Mount	#8 Plate (Flange) Mount	#10 Plate (Flange) Mount	2	5.5°F	53.5 psig @ 90°F
ABP N83 308906	Bulbless Block	#6 (⅜") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	#8 (½") Female Tube O-Ring	#10 (⅝")Female Tube O-Ring	1 ½		

Notes on **Rated Capacity**: [1] Anti-trumpeting [2] Schrader switch port [3] M12, M10 Schrader switch ports

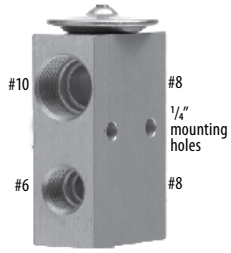
BLOCK-TYPE EXPANSION VALVES

ABP N83 308009



Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
Superheat Rating 5°F
80 psig @40°F

ABP N83 308011



Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#8 Female O-Ring
Superheat Rating 5°F
80 psig @40°F

ABP N83 308012



2-Ton
Hose Side Fittings
Inlet: #6 (⅜") Female O-Ring
Outlet: #12 (⅝") Female O-Ring
Evaporator Fittings
In: #8 (½") Female O-Ring
Out: #8 (½") Female O-Ring
Superheat Rating: 8.5°F
Pressure Limit: 80 psig @53.5°F

ABP N83 308013



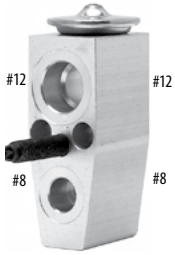
Hose Side Fittings
Inlet:#6 (⅜") Female O-Ring
Outlet: #12 (⅝") Female O-Ring
Evaporator Fittings
In: #8 (½") Female O-Ring
Out: #8 (½") Female O-Ring
Superheat Rating: 8.5°F
Pressure Limit: 80 psig @53.5°F

ABP N83 308014



Hose Side Fittings
Inlet: #6 (⅜") Female O-Ring
Outlet: #10 (⅝") Female O-Ring
Evaporator Fittings
In: #8 (½") Female O-Ring
Out: #10 (⅝") Female O-Ring
Superheat Rating: 7.5°F
Pressure Limit: 80 psig @53.5°F

ABP N83 308016



Hose Side Fittings
Inlet: #8 (**½**") Stat-O-Seal
Outlet: #12 (**⅝**") Stat-O-Seal
Evaporator Fittings
In: #8 (**½**") Stat-O-Seal
Out: #12 (**⅝**") Stat-O-Seal
Superheat Rating: 7.5°F
Pressure Limit: 80 psig @53.5°F

ABP N83 308018



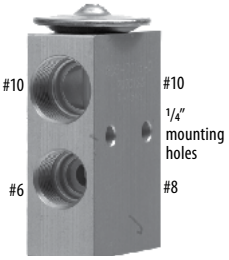
Hose Side Fittings
#6 Plate (Flange) Mount
#10 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#8 Plate (Flange) Mount

ABP N83 308022



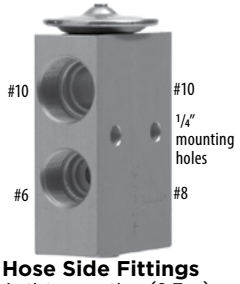
2-Ton
Hose Side Fittings
Inlet: #6 (⅜") Female O-Ring
Outlet: #12 (⅝") Female O-Ring
Evaporator Fittings
In: #8 (½") Female O-Ring
Out: #10 (⅝") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @53.5°F

ABP N83 308071



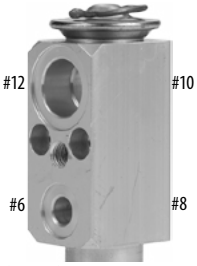
Hose Side Fittings
High Capacity (2 Ton)
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
Superheat Rating 8°F
53.5 psig @75°F

ABP N83 308097



Hose Side Fittings
Anti-trumpeting (2 Ton)
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
Superheat Rating 8°F
53.5 psig @75°F

ABP N83 308107



(2 Ton)
Hose Side Fittings
#6 (**⅜**") Stat-O-Seal
#12 (**⅝**") Stat-O-Seal
Evaporator Fittings
#8 (**½**") Stat-O-Seal
#10 (**⅝**") Stat-O-Seal
Main Unit Freightliner
Egelhof#327302, Behr#A4965

ABP N83 308117

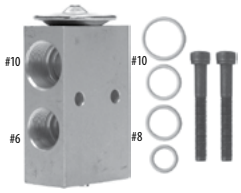


Hose Side Fittings
#6 (**⅜**") Stat-O-Seal
#10 (**⅝**") Stat-O-Seal
Evaporator Fittings
#8 (**½**") Stat-O-Seal
#10 (**⅝**") Stat-O-Seal
Freightliner Century Class Aux sleeper BOA A93674
Burgundy

NOTE: Expansion valve capacity is 1 ½ tons except as noted.

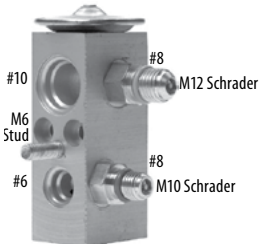
BLOCK-TYPE EXPANSION VALVES

ABP N83 308125



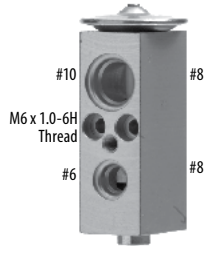
Hose Side Fittings
Anti-trumpeting (2 Ton)
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
Superheat Rating 5°F
53.5 psig @75°F

ABP N83 308141



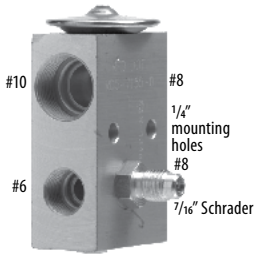
With Schrader Port (2-ton)
Hose Side Fittings
#6 Plate (Flange) Mount
#10 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#8 Plate (Flange) Mount
Superheat Rating 8.5°F
53.5 psig @90°F

ABP N83 308151



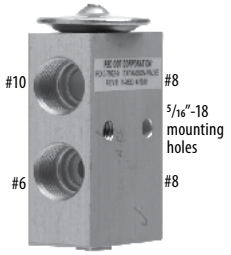
Hose Side Fittings
#6 Plate (Flange) Mount
#10 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#8 Plate (Flange) Mount
Superheat Rating 8.5°F
53.5 psig @90°F

ABP N83 308191



7/16" Schrader Port
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#8 Female O-Ring
Superheat Rating 5°F
50 psig @85°F

ABP N83 308221



5/16"–18 Threaded Mounting Holes
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#8 Female O-Ring
Superheat Rating 5°F
80 psig @40°F

ABP N83 308231



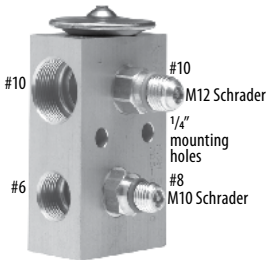
Slimline Auxillary Unit
Hose Side Fittings
#6 (3/8") Stat-O-Seal
#10 (5/8") Stat-O-Seal
Evaporator Fittings
#8 (1/2") Stat-O-Seal
#10 (5/8") Stat-O-Seal
Superheat Rating 8.5°F
53.5 psig @90°F
Gold

ABP N83 308241



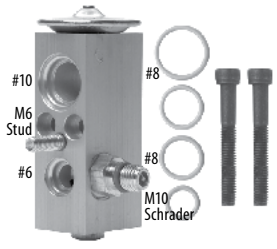
Slimline Main Cab Unit
Hose Side Fittings
#6 Mini Stat-O-Seal
#10 Mini Stat-O-Seal
Evaporator Fittings
#8 Mini Stat-O-Seal
#10 Mini Stat-O-Seal
Superheat Rating 12°F
50 psig @85°F
Gold, BOA 80-321-00-269

ABP N83 308251



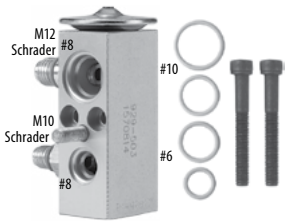
With Schrader Port (2-ton HiCap)
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
Superheat Rating 8°F
53.5 psig @75°F

ABP N83 308261



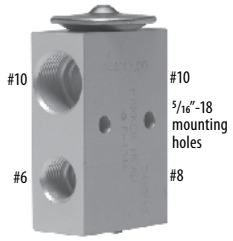
With Schrader Port
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#8 Female O-Ring
Superheat Rating 8°F
53.5 psig @75°F

ABP N83 308281



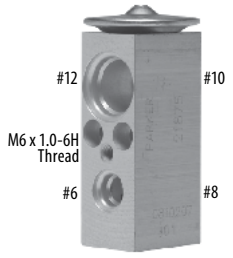
With M10, M12 Schrader Ports
Hose Side Fittings
#6 Plate (Flange) Mount
#10 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#8 Plate (Flange) Mount

ABP N83 308291



Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring
5°F
50 psig @75°F

ABP N83 308301



Hose Side Fittings
#6 Plate (Flange) Mount
#12 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#10 Plate (Flange) Mount
Superheat Rating 5.5°F
65.7 psig @90°F

NOTE: Expansion valve capacity is 1 ½ tons except as noted.

BLOCK-TYPE EXPANSION VALVES

ABP N83 308351



Block Type Schrader Port
Hose Side Fittings
Flange Mount
Flange Mount
Evaporator Fittings
Flange Mount
Flange Mount

ABP N83 308361



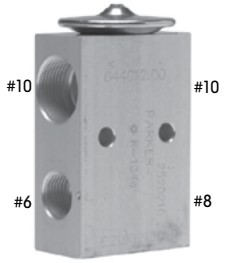
Hose Side Fittings
#6 Mini Stat-O-Seal
#10 Mini Stat-O-Seal
Evaporator Fittings
#8 Mini Stat-O-Seal
#10 Mini Stat-O-Seal
Superheat Rating 12°F
50 psig @85°F

ABP N83 308371



(2 Ton)
Hose Side Fittings
#6 Plate (Flange) Mount
#12 Plate (Flange) Mount
Evaporator Fittings
#8 Plate (Flange) Mount
#10 Plate (Flange) Mount
Superheat Rating 5.5°F
53.3 psig @90°F

ABP N83 308906



Bulbless Block
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#10 Female O-Ring

ABP N83 308263



With Schrader Valve
Hose Side Fittings
#6 Female O-Ring
#10 Female O-Ring
Evaporator Fittings
#8 Female O-Ring
#8 Female O-Ring

ABP N83 308375



Hose Side Fittings
Inlet: #6 (⅜") Female O-Ring
Outlet: #12 (⅝") Female O-Ring
Evaporator Fittings
In: #8 (½") Female O-Ring
Out: #8 (½") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @53.5°F

BRACKETS FOR BULBLESS BLOCK-TYPE EXPANSION VALVES

ABP N83 308121



Top Mounting Plate/Flange
For ⅜" x ⅝" opening for
flange mount block expansion valve.

ABP N83 308161



Bottom Mounting Plate/Flange
For ⅜" x ⅝" opening for
flange mount block expansion valve.

ABP N83 308165



Top Mounting Plate/Flange
For ¾" x ⅜" opening for
2-ton flange mount block expansion valve.

ABP N83 308175



Bottom Mounting Plate/Flange
For ¾" x ⅜" opening
for 2-ton flange mount block expansion
valve.



Bottom Mounting Plate/Flange
For ½" x ½" opening for
block-type expansion valve.

ABP N83 308195



Allen Head Bracket Screw
M5 x 0.8" for
expansion valve brackets on this page.
Quantity: 25 per package

EXPANSION VALVES

Externally Equalized

Alliance P/N	Inlet	Outlet	Nut	Equalizer Tube Length	Capillary Tube Length
ABP N83 308015	#6 (⅜") Male Flare	#8 (½") Male Flare	¼" Female Flare	18"	18"
ABP N83 308085	#6 (⅜") Male O-Ring	#8 (½") Male O-Ring	¼" Female O-Ring	13"	13"
ABP N83 308105	#6 (⅜") Male O-Ring	#8 (½") Male O-Ring	¼" Male O-Ring	10"	10"

ABP N83 308015



Inlet: #6 ⅜" Male Flare
Outlet: #8 ½" Male Flare
18" Equalizer Tube
¼" Female Flare Equalizer Tube Nut
18" Capillary Tube
Rating: 1 ½ Ton

ABP N83 308085



Inlet: #6 Male O-Ring
Outlet: #8 Male O-Ring
13" Equalizer Tube
¼" Female O-Ring Equalizer Tube Nut
13" Capillary Tube
Rating: 1 ½ Ton

ABP N83 308105



Inlet: #6 Male O-Ring
Outlet: #8 Male O-Ring
10" Equalizer Tube
¼" Male Equalizer Tube Nut
10" Capillary Tube
Rating: 1 ½ Ton

Internally Equalized

Alliance P/N	Inlet	Outlet	Nut	Equalizer Tube Length	Capillary Tube Length
ABP N83 308065	#6 (⅜") Male Flare	#8 (½") Male Flare	—	—	9"
ABP N83 308115	#6 (⅜") Male O-Ring	#8 (½") Male O-Ring	—	—	12"
ABP N83 308135	#6 (⅜") Male O-Ring	#8 (½") Male O-Ring	—	—	12"
ABP N83 308331	#6 (⅜") Male O-Ring	#8 (½") Male O-Ring	—	—	16"

ABP N83 308065



Inlet: #6 ⅜" Male Flare
Outlet: #8 ½" Male Flare
9" Capillary Tube
Rating: 1 ½ Ton

ABP N83 308115



Inlet: #6 ⅜" Male O-Ring
Outlet: #8 ½" Male O-Ring
12" Capillary Tube
Rating: 1 ½ Ton

ABP N83 308135



Inlet: #6 ⅜" Male O-Ring
Outlet: #8 ½" Male O-Ring
Capillary Tube Length:12"
Rating: 1 ½ Ton

ABP N83 308331



Inlet: #6 ⅜" Male O-Ring
Outlet: #8 ½" Male O-Ring
16" Capillary Tube
Rating: 1 ½ Ton

CCOT ORIFICE TUBE

ABP N83 308017



Red — Ford / Peterbilt, OE#E69Z-19D990A, F4UZ-19D990A, F54Z-19D990AB
Length: 3.46", O.D.: .425", Orifice: .062"

ABP N83 308027

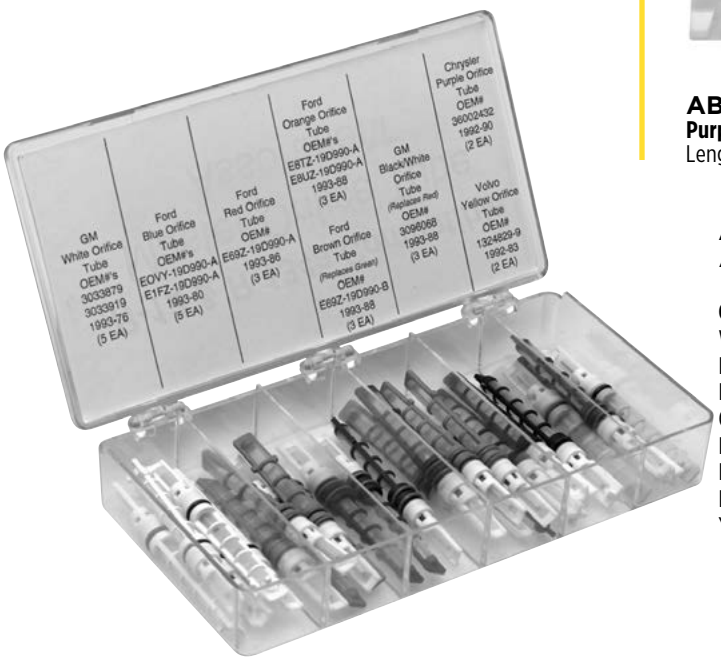


Orange — Ford / Peterbilt, OE#E8TZ-19D990A, F2DZ-19D990A, F5DZ-19D990AA, AB
Length: 3.46", O.D.: .429", Orifice: .057"

ABP N83 308037



Black & White — GM CCOT, OE#3096068
Length: 3.55", O.D.: .386", Orifice: .071"



ABP N83 308047



Brown — Ford, OE#F39Z-19D990A, E69Z-19D990-B
Length: 3.46", O.D.: .429", Orifice: .047"

ABP N83 308049



White — GM CCOT OE#3033879, 3033919, IHC#1676822-C91
Length: 3.485", O.D.: .386", Orifice: .071"

ABP N83 308067



Blue — Ford CCOT Orifice Tube, OE#EOVY-19D 990A,E1FZ-19D 990-A, XC4H-19D 990AA
Length: 3.46", O.D.: .425", Orifice: .067"



ABP N83 308077

Purple — International/Navistar, OE#3548044C1, B0A8030500949
Length: 3.55", O.D.: .429", Orifice: .0605"

ABP N83 308057

Assortment Kit

Contents: left to right:
White - GM Orifice tube quantity: 5
Blue - Ford Orifice tube quantity: 5
Red - Ford Orifice tube quantity:3
Orange - Ford Orifice tube quantity:3
Brown - Ford Orifice tube quantity:3
Black/white - GM Orifice tube quantity:3
Purple - Freightliner/IHC Orifice tube OE#36002432 quantity: 2
Yellow - Volvo Orifice tube OE#1324829-9 quantity: 2

REFRIGERANT SOLENOID VALVE

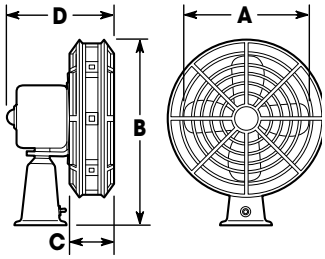


ABP N83 308069

(LIQUID LINE)
12V #6 male O-Ring fitting

SPECIFICATIONS

The all purpose fan is designed to mount on either Horizontal (dash) or vertical (wall) surfaces. A unique spring loaded ball and socket allows easy adjustment of air direction, but once set remains in position. The 73R9052 fan blade has a matte black polypropylene fan guard and the 73R9062 uses a bright chrome metal wire guard.



ALL PURPOSE FANS - Listed in ascending order by **Fan Diameter** [A]

[A] Fan Diameter	[B] Fan Overall Height	[C] Fan Guard Width	[D] Overall Fan Depth	Rotation*	Speed	SPDT Switch Function	Rating	Finish	ALLIANCE Part No.
12 VOLT									
7 1/3	8 2/3	1 13/16	5	CW	2	SPDT, Off-Low-High	Hi Speed @ 160 cfm	Black	**ABP N83 309111**
7 1/3	8 2/3	1 13/16	5	CW	2	SPDT, Off-Low-High	Hi Speed @ 160 cfm	Black	**ABP N83 309081**
7 1/2	8 5/8	2 3/16	5 1/4	CW	2	SPDT, On-Off-On	3.3 amps @ 13.6VDC	Black/Chrome	**ABP N83 309141**
7 1/2	8 3/4	-	5 3/8	CW	2	SPDT, Off-Low-High	3.3 amps @ 13.6VDC	Black	**ABP N83 309014**
7 1/2	8 3/4	-	5 3/8	CW	2	SPDT, Off-Low-High	3.3 amps @ 13.6VDC	Chrome	**ABP N83 309015**
24 VOLT									
7 1/3	8 2/3	1 13/16	5	CW	2	SPDT, Off-Low-High	1.65 amps @ 27.2 VDC	Black, Metal/Plastic	**ABP N83 309071**
7 1/2	8 5/8	2 3/16	5 1/4	CW	2	SPDT, On-Off-On	1.65 amps @ 27.2 VDC	Chrome	**ABP N83 309013**

ABP N83 309015



12v, Chrome Metal Cage, two-wire with toggle

ABP N83 309071



24v, Plastic Cage two-wire with toggle

ABP N83 309111



12v, Plastic Cage, two-wire with toggle

ABP N83 309081



12v, Plastic Cage Without switch, three-wire for a remote switch

ABP N83 309141



12v, Black/Chrome Metal Cage

ABP N83 309013



24v, Black/Chrome Metal Cage

ABP N83 309014



24v, Black Metal Cage two wire with toggle

ABP N83 309301

Size	6.5" Dia. Fan, 7.5" Dia. Fan Guard, x 5.33" x 8.75"
Weight	2.5 lbs.
Motor	12 VDC
Current Draw	3.3 Amps @ 13.6 VDC: 1.65 Amps @ 27.2 VDC
Controls	3 Position Toggle Switch Off/Low/High
Color	Black or Silver



BLADED FANS

Listed in ascending order by **Blade Diameter**

ALIANCE P/N	DIAMETER	BORE DIAMETER	ROTATATION	MATERIAL
ABP N83 309101	6	¼	CW*	Plastic
ABP N83 309191	6 ½	¼	CW*	Aluminum
ABP N83 309201	6 ½	¼	CW*	Aluminum
ABP N83 309211	7	¼	CW*	Aluminum
ABP N83 309221	7	¼	CW*	Aluminum
ABP N83 309251	7	¼	CW*	Aluminum
ABP N83 309281	8	5/16	CW*	Steel
ABP N83 309241	8 ¾	5/16	CW*	Aluminum
ABP N83 309121	10	5/16	CW*	Aluminum
ABP N83 309181	10	5/16	CW*	Aluminum
ABP N83 309231	10	5/16	CW*	Aluminum
ABP N83 309006	10	5/16	CCW	Aluminum

* Rotation as viewed from discharge side.



ABP N83 309006



ABP N83 309101
ABP N83 309201



ABP N83 309121



ABP N83 309191
ABP N83 309211
ABP N83 309221
ABP N83 309231
ABP N83 309241
ABP N83 309251
ABP N83 309281



ABP N83 309181

FITTINGS 10

Did You Know...

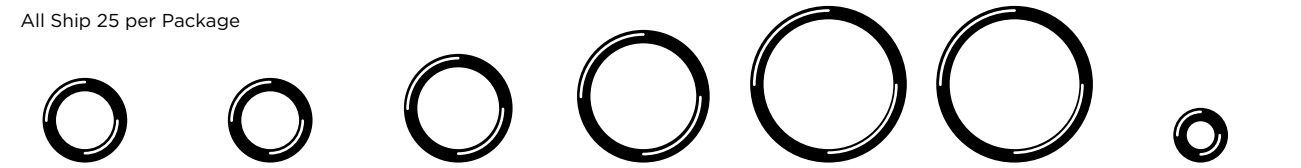
A major contributor to seized refrigerant fittings is electrolysis.

Service Tip:

To slow the natural process of electrolysis, carefully apply heavy viscous mineral oil to the threaded area of fitting and torque fittings securely.

O-RINGS

All Ship 25 per Package



ABP N83 312036
Green
#6

ABP N83 312326
Blue
#6
GM Captive

ABP N83 312018
Green
#8

ABP N83 312010
Green
#10

ABP N83 312032
Green
#12

ABP N83 312332
Black
#12
GM Captive

ABP N83 312336
Green
Expansion Valve
Equalizer Tube

ABP N83 305010



Teflon Rotolock Compressor
Gasket Seal
10 per Package
IHC/Navistar ZGG19499

ABP N83 305019



O-Ring seal fits Sanden FLX7
fitting adapters used on suction
and discharge side of compressor
GM A6/DA6/HR6/R4/V5/FS10
Suction/Discharge Port
O-Ring Seal
10 Per Package

ABP N83 312125



O-Ring
Assortment Kit
1 #4 O-Ring
7 #6 O-Ring
6 #8 O-Ring
4 #10 O-Ring
1 #12 O-Ring

ABP N83 325177

IHC/Navistar
3824716C1, 2610417C1



ABP N83 325178

IHC/Navistar
3661318C1, 2610415C1



ABP N83 325179

IHC/Navistar
3660864C1, 2610413C1

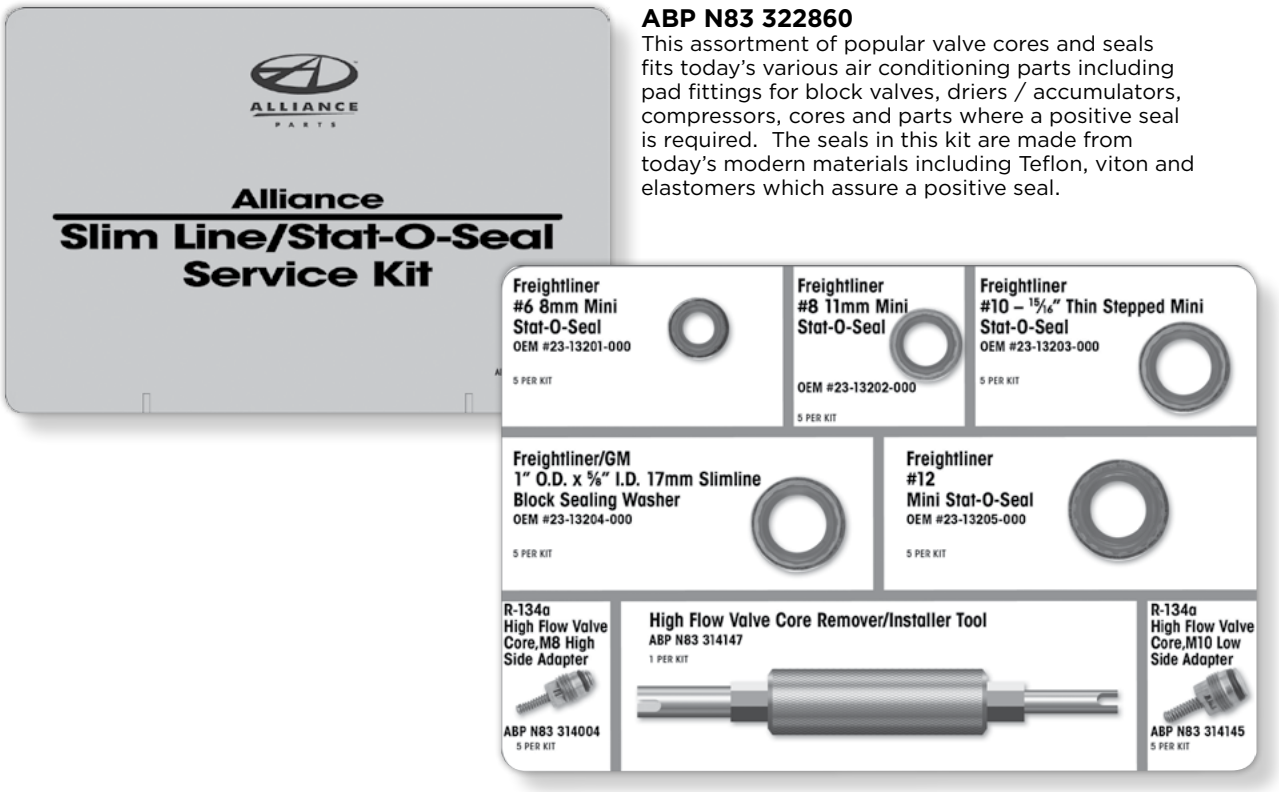


ABP N83 325181

IHC/Navistar
3660862C1, 2610412C1



SLIMLINE/STAT-O-SEAL SERVICE KIT

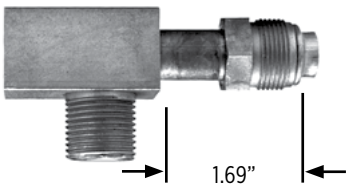


ABP N83 322860
This assortment of popular valve cores and seals fits today's various air conditioning parts including pad fittings for block valves, driers / accumulators, compressors, cores and parts where a positive seal is required. The seals in this kit are made from today's modern materials including Teflon, viton and elastomers which assure a positive seal.

O-RING TEE BLOCKS

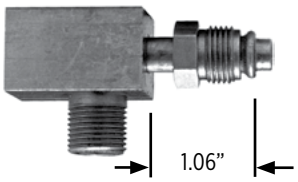
Use tee block to tee sleeper A/C into existing system.

ABP N83 310280



#10 tee block with swivel nut

ABP N83 310286



#6 tee block with swivel nut

ABP N83 310276
Three #6 female inlets

ABP N83 326016
Three #10 female inlets



FLARE ADAPTERS

ABP N83 314125
#6 O-Ring to #6 45° flare

ABP N83 314165
#8 O-Ring to #8 45° flare



10 per Package

GROMMETS

ABP N83 311191



Fits #6 to#12 refrigerant hose

ABP N83 311181



Fits a 2" hole. Used for a #6 and a #10 refrigerant hose when routing hose through bulkheads or floor boards.

UNIVERSAL O-RING KIT AND FASTENER KIT



ABP N83 327310

Qty.	Description
10	Cover, Stem, Service Valve
25	O-Ring – #12 Hose Fitting
25	O-Ring – #10 Hose Fitting
25	O-Ring – #8 Hose Fitting
25	O-Ring – #6 Hose Fitting
10	Cap - Access Schrader Port
10	O-Ring – Gm Capillary Tube
10	Gasket – York/Tecumseh Flange Hd
3	Refrigeration Valve Core
10	Nut – Acorn, Service Vlv. Port Aluminum
3	Cap – ¼" Quick Seal
3	Cap – 3⁄16" Quick Seal
10	Gasket - Teflon Rotolock
2	Adapter - Rotolock To Tube "O"

UNIVERSAL O-RING ASSORTMENT



ABP N83 325196

Description (10 of each)
No. 10 GM Captive O-Ring
Chrysler Block Valve O-Ring
GM A6, DA6, HR6, V5, Ford, FS10, FX15, 10PA Service Valve O-Ring
GM Compressor Service Valve O-Ring
No. 8 GM Captive O-Ring
No. 10 GM, Ford, Chrysler, Import Hose Fitting O-Ring
Capillary O-Ring
Nissan No.8 Hose Fitting/Drier O-Ring
No. 8 GM, Ford, Chrysler, Import Hose Fitting O-Ring
No. 12 GM Captive O-Ring
No. 6 GM Captive O-Ring
GM No. 10 Dual O-Ring
No. 12 GM, Ford, Chrysler/Import Hose Fitting O-Ring
No. 6 GM/Ford, Chrysler/Import Hose Fitting O-Ring
No. 8 Dual O-Ring
No. 10 Ford Springlock Fitting O-Ring
Comp. Switch Port/Oil Plug/ No. 6 Compression Fitting O-Ring
No. 8 Ford Springlock Fitting O-Ring
No. 12 Ford Springlock Fitting O-Ring
No. 6 Ford Springlock Fitting O-Ring
GM No. 12 Dual O-Ring
GM "Oval" Service Valve O-Ring
Chrysler Block Valve/GM R4 Service Valve O-Ring

SPRINGLOCKS



ABP N83 325903
Ford Springlock Assortment Kit — All ship 10 per Bag

ABP N83 312306	#6 O-Ring
ABP N83 312308	#8 O-Ring
ABP N83 312310	#10 O-Ring
ABP N83 312312	#12 O-Ring
ABP N83 312316	#6 Connection Spring
ABP N83 312318	#8 Connection Spring
ABP N83 312320	#10 Connection Spring
ABP N83 312322	#12 Connection Spring

HEAVY DUTY RETROFIT ADAPTER KIT



ABP N83 325197

Qty	Description
7	GM Compressor Port O-Ring
7	No. 8 GM Captured O-Ring
7	No. 10 Hose Fitting O-Ring
7	Equalizer Tube O-Ring
7	No. 8 Hose Fitting O-Ring
7	No. 12 Captured Fitting O-Ring
7	No. 6 Captured O-Ring
7	No. 12 Hose Fitting O-Ring
7	No. 6 Hose Fitting O-Ring
10	CCI & Tecumseh Rotolock Service Valve Teflon Tape
3	CCI & Tecumseh Long Stem Cap
10	Charging Port Cap (3⁄16”)

Qty	Description
10	Service Valve Cap (¼”)
1	A-6 Shaft Nut
1	Washer
1	Clutch Retaining Ring
10	Charging Hose Seal
10	Charging Hose Depressor
10	Can Tap Seal Gasket
3	A-6 Shaft Key
3	CCI & Tecumseh Compressor Woodruff Key
3	Sanden Shaft Key
10	Schrader Valve Core
10	Expansion Valve Inlet

O-RING & SERVICE ASSORTMENT KIT



ABP N83 325195

Qty	Description
1	Aeroquip Straight Flex Adapter 3⁄8-24 Female x 7⁄16-20 Male
1	Aeroquip Straight Flex Adapter 7⁄16-20 Female x 7⁄16-20 Male
1	Aeroquip 90° Flex Adapter 3⁄8-24 Female x 7⁄16-20 Male
1	Aeroquip 90° Flex Adapter 7⁄16-20 Female x 7⁄16-20 Male
4	90° Steel 16mm x ¼” Adapter with Red Cap
4	90° Steel 13mm x ¼” Adapter with Blue Cap
2	90° Steel 16mm x 3⁄16 Adapter with Red Cap
2	16mm High Flow Aeroquip Port Adapter
2	13mm High Flow Aeroquip Port Adapter
5	Bridgeport/Aftermarket 13mm Port Cap – Blue
5	Bridgeport/Aftermarket 16mm Port Cap – Red
5	Eaton 13mm SSV Port Cap – Black
5	Eaton 16mm SSV Port Cap – Black

Qty	Description
5	Straight Steel 16mm x ¼” Adapter with Red Cap
10	Straight Steel 13mm x ¼” Adapter with Blue Cap
10	Straight Steel 16mm x 3⁄16” Adapter with Red Cap
5	¼” Port Block Off Cap
5	3⁄16” Port Block Off Cap
5	16mm Red Cap for ABP N83 314075 Adapter
5	13mm Blue Cap for ABP N83 314085 Adapter
10	Plastic Hose Ring Label
10	Blue Retrofit Label
5	Eaton 13mm SSV High Flow Valve Core
5	Eaton 16mm SSV High Flow Valve Core
1	Standard and Large Bore Valve Core Tool
10	Standard Flow Valve Core
1	Eaton SSV High Flow Valve Core Removal/Installation Tool

SIGHT GLASS MOISTURE INDICATOR

The easy to see element in this sight glass changes from blue to pink when it is time to change your Receiver Drier. (After installing a new drier indicator returns to blue.)

ABP N83 311231



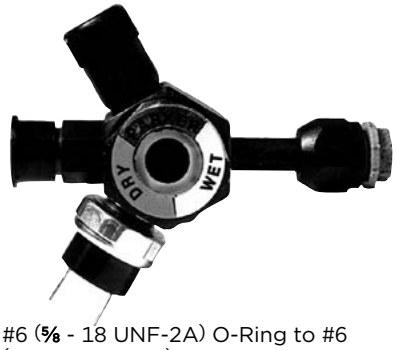
90° #6 (⅝ - 18 UNF-2A) O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut
With pressure sensing switch & Gage port, ¼ SAE Flare Schrader

ABP N83 311241



#6 (⅝ - 18 UNF-2A) Male O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut
With high pressure relief valve (opens 450-550 psi; reseals before 400 psi & Gage port 7/16 -020 UNF-2A thread Schrader valve

ABP N83 311261



#6 (⅝ - 18 UNF-2A) O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut

With low pressure switch & high pressure relief valve (#6 O-Ring)

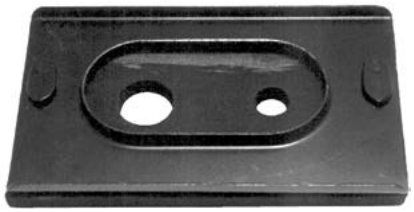
ABP N83 311271



#6 (⅝ - 18 UNF-2A) Male O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut

RED DOT DECK PLATES

ABP N 83 311251



Sponge Rubber Gasket accepts #6 or #10 Freon or Heater Hose

HEATER HOSE CONNECTORS AND ADAPTERS

ABP N83 310001



⅝" to ⅝" hose 8 ¼" x 6", 90° elbow

ABP N83 310003



⅝" to ⅝" hose 9 ¼" x 7", 90° elbow

ABP N830 310014



#8 O-Ring to ⅝" hose straight

ABP N83 310015



#8 O-Ring to ⅝" hose 90° elbow

ABP N83 310011



⅝" to ¾" hose 90° elbow step-up

All hose dimensions are inside dimensions.

ABP N83 310013



½" NPT to ⅝" hose 90° elbow

ABP N83 314115



¾" NPT to ⅝" hose 90° elbow

ABP N83 310021



¾" hose to ¾" hose 90° elbow

ABP N83 310031



⅝" hose to ⅝" hose 90° elbow

ABP N83 310032



⅝" hose to ⅝" hose 90° elbow rubber hose

ABP N83 310051



⅝" hose to ¾" hose step-up

ABP N83 310061



⅝" hose to ⅝" hose straight

ABP N83 310071



¾" hose to ¾" hose straight

ABP N83 313305



Tee ⅝" & ¾" to ⅝" & ¾"

ABP N83 313940



½" to ¾" drain hose reducer

HOSE CLAMPS

ABP N83 311021



⅝" #10 heater hose clamp
For use with ABP N83 313300 Heater Hose, see Section 11

ABP N83 311023*



¾" #12 size double silicone heater hose clamp
For use with ABP N83 313300 Heater Hose, see Section 11

ABP N83 311031



¾" #12 heater hose clamp

ABP N83 311041



3 ¾" defrost hose clamp

ABP N83 311061
#6 Size

ABP N83 311071
#8 Size

ABP N83 311091
#10 Size single hose clamp

ABP N83 311912
#12 Size

ABP N83 311918
#8 Size



10 Per package

ABP N83 311081



Double hose clamp

CONDENSER REPAIR FITTINGS

COPPER TUBE CONDENSERS

Fittings fit directly onto the end of ⅜" copper tubes



ABP N83 310246
#6 condenser fitting (brass)

ABP N83 310208
#8 condenser fitting (brass)

ALUMINUM TUBE CONDENSERS



ABP N83 310240
#6 condenser fitting

ABP N83 310242
#8 condenser fitting

EVAPORATOR REPAIR FITTINGS

ABP N83 311139



#10 Male O-Ring swivel fitting
1 per package

ABP N83 311321



Fitting Neck #8 length 2 ¼"
10 per package

QUICK DISCONNECT FITTINGS

ABP N83 311331



Quick Disconnect #6 O-Ring, R-12

ABP N83 311396*



Quick Disconnect #6 Male O-Ring (5 7⁄16” long)
1” diameter mounting hole required
Replacement O-Ring: ABP N83 312326

ABP N83 311460*



Quick Disconnect#10 Male O-Ring (6 11⁄16” long)
1 ½” diameter mounting hole required
Replaces Cat #5P-3929
Replacement O-Ring: ABP N83 312020
NOTE: For component removal (such as evaporator unit) without loss of refrigerant from A/C system
* Some assembly required

EZ CLIP TO QUICK DISCONNECT FITTING ADAPTERS

ABP N83 311454



#8 EZ-Clip male fitting to #6 quick disconnect female adapter (converts ABP N83 311396 above)
Includes cage and clips

ABP N83 311464



#12 EZ-Clip male fitting to #10 quick disconnect female adapter (converts ABP N83 311460 above)
Includes cage and clips

SCHRADER ADAPTER FITTINGS

ABP N83 314105



⅜-24 UNF-2A Male Thread with Bulkhead Type Seal Using a 2-012 O-Ring for Installation in Receiver Drier Pressure Ports
10 per package

ABP N83 320110



Refrigeration Valve Core for Schrader Valves
10 per package

ABP N83 314003



Valve Core for 134A Fittings
10 per package

ABP N83 314004



Eaton 13mm SSV High Flow High Side
10 per package

ABP N83 314145



Eaton 16mm SSV High Flow Low Side
10 per package

ABP N83 314147



High Flow Schrader Core Remover/Installer Tool

SCHRADER ADAPTER FITTING

Must use ABP N83 320110 valve core and ABP N83 312036 O-ring to complete installation.

ABP N83 311574



Schrader Valve with M10 Thread with .188 Radius Saddle for use on #6 tube — 10 per package

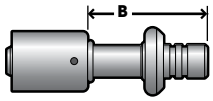
ABP N83 311575



Schrader Valve with M10 Thread with .250 Radius Saddle for use on #8 tube — 10 per package

STRAIGHT FORD MALE

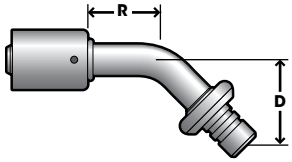
Genuine OEM Springlock



Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311316	6	150	6	150	N/A	N/A	2.31	58
ABP N83 311318	8	200	8	200	N/A	N/A	2.38	60
ABP N83 311310	10	255	10	255	N/A	N/A	2.50	66
ABP N83 311152	12	305	12	305	N/A	N/A	2.75	70

45° FORD MALE

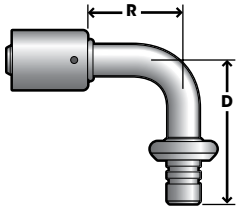
Genuine OEM Springlock



Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311736	6	150	6	150	1.25	32	1.25	32
ABP N83 311778	8	200	8	200	1.31	33	1.31	33
ABP N83 311991	10	255	10	255	1.63	35	1.38	35
ABP N83 311792	12	305	12	305	1.75	38	1.50	38

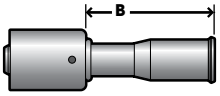
90° FORD MALE

Genuine OEM Springlock



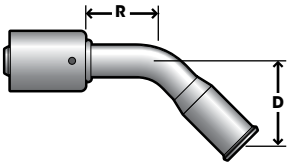
Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311206	6	150	6	150	2.19	56	1.38	35
ABP N83 311192	12	305	12	305	3.20	81	2.19	56

STRAIGHT FORD FEMALE SPRINGLOCK



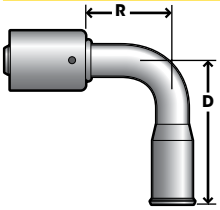
Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311306	6	150	6	150	N/A	N/A	2.31	58
ABP N83 311308	8	200	8	200	N/A	N/A	2.38	60
ABP N83 311300	10	255	10	255	N/A	N/A	2.63	66
ABP N83 311142	12	305	12	305	N/A	N/A	2.75	70

45° FORD FEMALE SPRINGLOCK



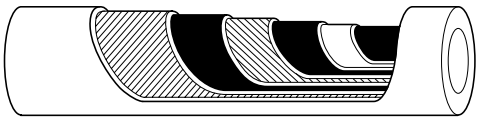
Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311726	6	150	6	150	1.31	33	1.25	32
ABP N83 311768	8	200	8	200	1.37	35	1.31	33
ABP N83 311990	10	255	10	255	1.69	43	1.38	35
ABP N83 311782	12	305	12	305	1.75	44	1.50	38

90° FORD FEMALE SPRINGLOCK



Alliance P/N	Fitting Size		Hose Size		Drop Length		Run Length	
	Inch	mm	inch	mm	inch	mm	inch	mm
ABP N83 311236	6	150	6	150	2.19	56	1.38	35
ABP N83 311228	8	200	8	200	2.38	60	1.44	37
ABP N83 311210	10	255	10	255	2.50	66	1.63	41
ABP N83 311082	12	305	12	305	3.00	76	2.19	56

RED DOT REFRIGERANT HOSE



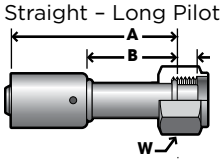
Red Dot
Internal Nylon Barrier Hose

PART NO.	SAE HOSE SIZE	I.D.	MAX. O.D.	LENGTH
ABP N83 313106	#6	5/16"	3/4"	50 ft. Box
ABP N83 313126	#6	5/16"	3/4"	825 ft. Spool
ABP N83 313118	#8	13/32"	29/32"	50 ft. Box
ABP N83 313107	#8	13/32"	29/32"	725 ft. Spool
ABP N83 313100	#10	1/2"	1"	50 ft. Box
ABP N83 313103	#10	1/2"	1"	700 ft. Spool
ABP N83 313102	#12	5/8"	1 1/8"	50 ft. Box
ABP N83 313104	#12	5/8"	1 1/8"	525 ft. Spool

For use with Push-On Fittings/Bead Lock or "Bubble Style" Crimp/Springlock

FEMALE TUBE O-RING SWIVEL

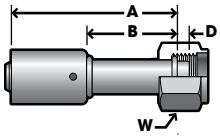
Straight – Long Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
ABP N83 311366	⅜ ⅝ x 18 -6	5/16 -6	2.98	76	0.28	7.1	¾	1.39	35
ABP N83 311380	⅝ ⅞ x 14 -10	⅝ -12	3.40	86	0.38	9.8	1 1/16	1.81	46

FEMALE TUBE O-RING SWIVEL

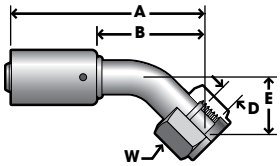
Straight – Short Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
ABP N83 311406	⅜ ⅝ x 18 -6	5/16 -6	2.98	76	0.18	4.7	¾	1.39	35
ABP N83 311378	½ ¾ x 16 -8	13/32 -8	3.25	83	0.18	4.7	⅞	1.66	42
ABP N83 311570	⅝ ⅞ x 14 -10	½ -10	3.19	81	0.18	4.7	1 1/16	1.60	41
ABP N83 311500	⅝ ⅞ x 14 -10	⅝ -12	3.40	86	0.18	4.7	1 1/16	1.81	46
ABP N83 311322	¾1-1/16 x 14-12	⅝ -12	3.52	89	0.18	4.7	1 ¼	1.96	50

FEMALE TUBE O-RING SWIVEL

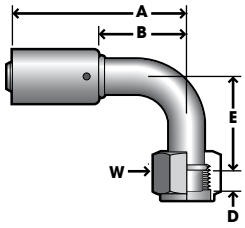
45° Elbow – Long Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311390	⅝ ⅞ x 14 -10	⅝ -12	3.79	96	0.38	9.8	1.29	33	1 1/16	2.20	56

FEMALE TUBE O-RING SWIVEL

90° Elbow – Long Pilot

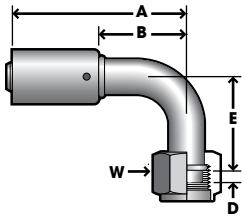


Alliance P/N	Tube Size inch	Thread Size	Thread Dash Size	Hose Size inch	Hose Dash Size	A inch	A mm	Drop E inch	Drop E mm	Hex H inch	Hex J inch	Hex W inch	Cut-Off Allowance B inch	Cut-Off Allowance B mm
ABP N83 311446	¼	7/16 x 20	-4	5/16	-6	1.77	45	0.68	17	½	¾	9/16	0.93	24
ABP N83 311118	½	¾ x 16	-8	13/32	-8	2.30	58	1.09	28	⅝	⅞	⅞	1.32	34
ABP N83 311400	⅝	⅞ x 14	-10	⅝	-12	3.19	81	0.38	.98		1 1/16	1.60	41	

Can be used with 45° male flare adapters.

FEMALE TUBE O-RING SWIVEL

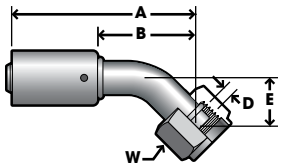
90° Elbow – Short Pilot



Alliance P/N	Thread Size inch		Hose Size inch		A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311486	⅜	⅝ x 18 -6	5/16	-6	2.42	61	1.12	28	0.18	4.7	¾	0.83	21
ABP N83 311478	½	¾ x 16 -8	13/32	-8	2.82	72	1.50	38	0.18	4.7	⅞	1.23	31
ABP N83 311600	⅝	⅞ x 14 -10	½	-10	3.19	81	1.75	44	0.18	4.7	1 1/16	1.60	41
ABP N83 311610	⅝	⅞ x 14 -10	⅝	-12	3.19	81	1.75	44	0.18	4.7	1 1/16	2.57	65

FEMALE TUBE O-RING SWIVEL

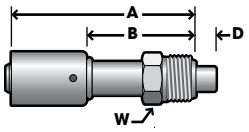
45° Elbow – Short Pilot



Alliance P/N	Thread Size inch		Hose Size inch		A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311476	⅜	⅝ x 18 -6	5/16	-6	3.69	94	0.18	4.7	0.68	17	¾	2.10	53
ABP N83 311468	½	¾ x 16 -8	13/32	-8	3.82	97	0.18	4.7	1.05	27	⅞	2.23	57
ABP N83 311590	⅝	⅞ x 14 -10	⅝	-12	3.79	96	0.18	4.7	1.29	33	1 1/16	2.20	56

MALE TUBE O-RING SWIVEL

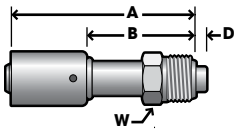
Straight – Long pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
ABP N83 311426	3/8 5/8 x 18 -6	5/16 -6	3.13	80	0.28	7.1	5/8	1.54	39

MALE TUBE O-RING SWIVEL

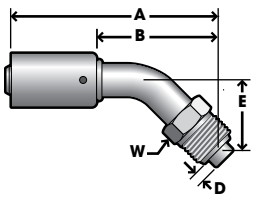
Straight – Short Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	W inch	B inch	B mm
ABP N83 311416	3/8 5/8 x 18 -6	5/16 -6	3.13	80	0.18	4.7	5/8	1.58	40
ABP N83 311428	1/2 3/4 x 18 -8	13/32 -8	3.45	88	0.18	4.7	3/4	1.89	48
ABP N83 311530	5/8 7/8 x 18 -10	1/2 -10	3.54	90	0.18	4.7	7/8	1.98	50
ABP N83 310100	5/8 7/8 x 18 -10	5/8 -12	3.54	90	0.18	4.7	7/8	1.98	50

MALE TUBE O-RING SWIVEL

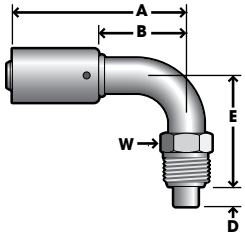
45° Elbow – Short Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311116	3/8 5/8 x 18 -6	5/16 -6	4.40	112	0 .18	4.7	1.70	43	5/8	2.81	71
ABP N83 311438	1/2 3/4 x 18 -8	13/32 -8	5.89	150	0.18	4.7	1.95	50	3/4	3.08	78
ABP N83 311540	5/8 7/8 x 18 -10	1/2 -10	6.60	168	0.18	4.7	2.31	59	7/8	3.79	96
ABP N83 311550	5/8 7/8 x 18 -10	3/4 -12	6.60	168	0.18	4.7	2.31	59	7/8	3.79	96

MALE TUBE O-RING SWIVEL

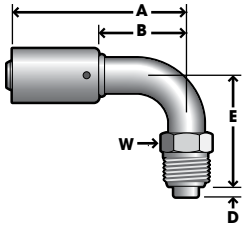
90° Elbow – Long Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 310146	⅜ ⅝ x 18 -6	5/16 -6	3.09	78	0.28	7.1	2.30	58	⅝	1.50	38
ABP N83 311458	½ ¾ x 18 -8	13/32 -8	3.11	79	0.38	9.8	2.73	69	¾	1.52	39
ABP N83 311560	⅝ ⅞ x 18 -10	½ -10	3.82	97	0.38	9.8	3.00	76	⅞	2.23	57

MALE TUBE O-RING SWIVEL

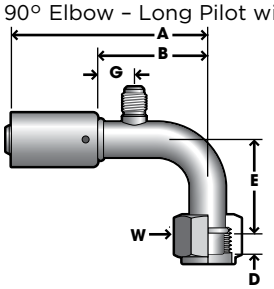
90° Elbow – Short Pilot



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	E inch	E mm	W inch	B inch	B mm
ABP N83 310120	⅝ ⅞ x 18 -10	¾ -12	3.82	97	0.18	4.7	3.00	76	⅞	2.23	57
ABP N83 311126	⅜ ⅝ x 18 -6	5/16 -6	3.09	78	0.18	4.7	2.30	58	⅝	1.50	38
ABP N83 311448	½ ¾ x 18 -8	13/32 -8	3.11	79	0.18	4.7	2.73	69	¾	1.52	39

FEMALE TUBE O-RING SWIVEL

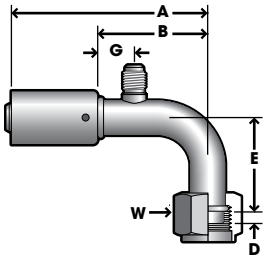
90° Elbow – Long Pilot with **R-12** Charge Port



Alliance P/N	Thread inch	Hose inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311488	½ ¾ x 16 -8	13⁄32 -8	4.66	118	0.38	9.8	1.00	25	1.66	42	⅞	3.07	78
ABP N83 311660	⅝ ⅞ x 14 -10	½ -10	4.34	110	0.38	9.8	1.00	25	1.68	43	1 1⁄16	2.75	70
ABP N83 311670	⅝ ⅞ x 14 -10	⅝ -12	4.70	119	0.38	9.8	1.00	25	1.95	50	1 1⁄16	3.11	79

FEMALE TUBE O-RING SWIVEL

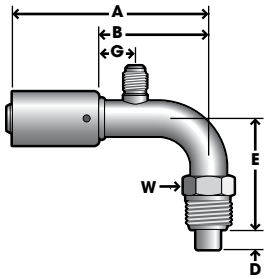
90° Elbow – Short Pilot with **R-12** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311650	⅝ ⅞ x 18 -10	⅝ -12	4.34	110	0.18	4.7	0.75	19	3.00	76	⅞	2.75	70

MALE TUBE O-RING SWIVEL

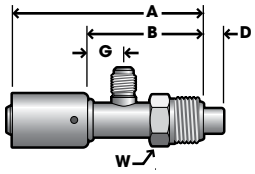
90° Elbow – Long Pilot with **R-12** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D nch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311506	⅜ ⅝ x 18 -6	5⁄16 -6	3.99	101	0.28	7.1	0.87	22	2.10	53	⅝	2.40	61

MALE TUBE O-RING SWIVEL

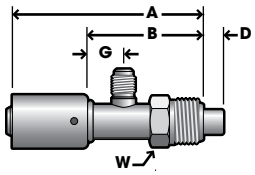
Straight – Long Pilot with **R-12** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
ABP N83 311496	⅜ ⅝ x 18 -6	5⁄16 -6	5.20	132	0.28	7.1	1.64	42	0.625	3.61	92

MALE TUBE O-RING SWIVEL

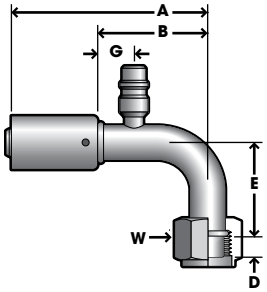
Straight – Short Pilot with **R-12** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	B inch	B mm	W inch	W mm
ABP N83 311630	⅞ x 18	10	4 ⅛		2 ½		⅞	

FEMALE TUBE O-RING SWIVEL

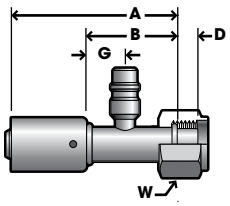
90° Elbow – Long Pilot with **R-134A** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311376	3/8 5/8 x 18 -6	5/16 -6	4.66	118	0.28	7.1	1.00	25	1.66	42	3/4	3.07	78
ABP N83 311418	1/2 3/4 x 16 -8	13/32 -8	4.34	110	0.38	9.8	1.00	25	1.68	43	7/8	2.75	70
ABP N83 311520	5/8 7/8 x 14 -10	1/2 -10	4.70	119	0.38	9.8	1.00	25	1.95	50	1 1/16	3.11	79
ABP N83 311312	5/8 7/8 x 14 -10	5/8 -12	4.70	119	0.38	9.8	1.00	25	1.95	50	1 1/16	3.11	79

FEMALE TUBE O-RING SWIVEL

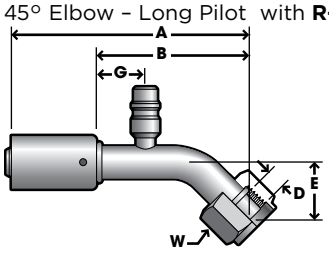
Straight – Long Pilot with **R-134A** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	W inch	B inch	B mm
ABP N83 311096	3/8 5/8 x 18 -6	5/16 -6	3.69	94	0.28	7.1	1.00	25	3/4	2.10	53
ABP N83 311510	5/8 7/8 x 14 -10	5/8 -12	4.39	112	0.38	9.8	1.00	25	1 1/16	2.80	71

FEMALE TUBE O-RING SWIVEL

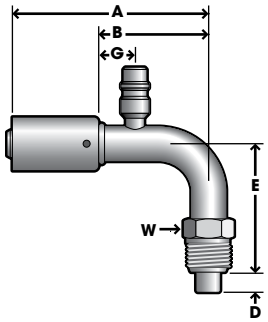
45° Elbow – Long Pilot with **R-134A** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311408	1/2 3/4 x 16 -8	13/32 -8	5.37	136	0.38	9.8	1.00	25	0.88	22	7/8	3.78	96
ABP N83 311410	5/8 7/8 x 14 -10	5/8 -12	5.88	149	0.38	9.8	1.00	25	0.99	25	1 1/16	4.29	109

MALE TUBE O-RING SWIVEL

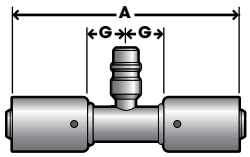
90° Elbow – Long Pilot with **R-134A** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311430	5/8 7/8 x 18 -10	5/8 -12	4.70	119	0.38	9.8	1.00	25	2.40	61	7/8	3.11	79

SPLICER

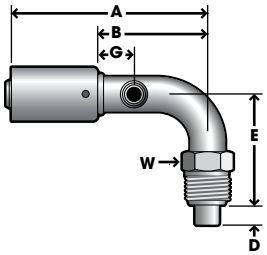
With **R-134A** Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	G inch	G mm
ABP N83 310506	3/8 5/8 x 18 -6	5/16 -6	4.76	121	1.00	25
ABP N83 310508	1/2 3/4 x 16 -8	13/32 -8	5.18	132	1.00	25
ABP N83 310501	5/8 7/8 x 14 -10	1/2 -10	5.18	132	1.00	25

MALE TUBE O-RING SWIVEL

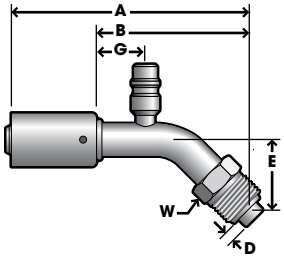
90° Elbow Long Pilot with R-134A Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311440	⅝ ⅞ x 18 -10	⅝ -12	4.70	119	0.38	9.8	1.00	25	2.40	61	⅞	3.11	79

MALE TUBE O-RING SWIVEL

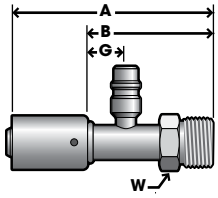
45° Elbow Long Pilot with R-134A Charge Port



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	D inch	D mm	G inch	G mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311420	⅝ ⅞ x 18 -10	⅝ -12	6.20	157	0.38	9.8	1.00	25	1.31	33	⅞	4.61	117

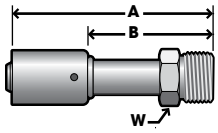
FEMALE TUBE O-RING STRAIGHT

with R-134A Charge Port



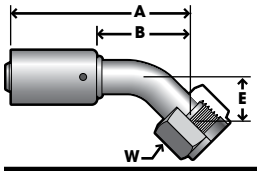
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	G inch	G mm	W inch	B inch	B mm
ABP N83 311680	⅝ ⅞ x 18 -10	⅝ -12	5.53	140	1.57	40	⅞	3.94	100

MALE TUBE O-RING



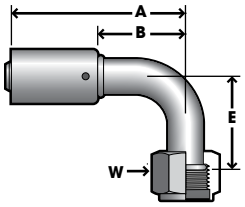
Alliance P/N	Thread Size inch		Hose Size inch		A inch	A mm	B inch	B mm
ABP N83 311686	⅜ ⅝ x 18	-6	⅜	-6	3.13	80	1.54	39
ABP N83 311490	⅝ ⅞ x 14	-10	½	-10	3.54	90	1.95	50
ABP N83 311302	⅝ ⅞ x 14	-10	⅝	-12	3.54	90	1.95	50

45° ELBOW



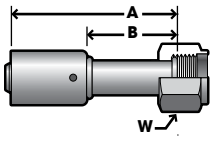
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311526	⅜ ⅝ x 18 -6	5/16 -6	3.69	94	0.68	17	¾	2.10	53
ABP N83 311508	½ ¾ x 16 -8	⅜ -8	3.82	97	1.05	27	⅞	2.23	57
ABP N83 311710	⅝ ⅞ x 14 -10	½ -10	3.84	98	1.19	30	1	2.25	57
ABP N83 311720	⅝ ⅞ x 14 -10	¾ -12	3.79	96	1.29	33	1	2.20	56
ABP N83 311342	¾ 1 1/16 x 14-12	¾ -12	3.84	98	1.29	33	1 ¼	2.25	57

90° ELBOW



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311456	⅜ ⅝ x 18 -6	5/16 -6	2.94	75	1.18	30	¾	1.35	34
ABP N83 311518	½ ¾ x 16 -8	⅜ -8	3.07	78	1.34	34	⅞	1.48	38
ABP N83 311730	⅝ ⅞ x 14 -10	½ -10	3.37	86	1.80	46	1	1.78	45
ABP N83 311740	⅝ ⅞ x 14 -10	¾ -12	3.37	86	1.80	46	1	1.78	45
ABP N83 311352	¾ 1 1/16 x 14-12	¾ -12	3.54	90	2.20	56	1 ¼	1.95	50

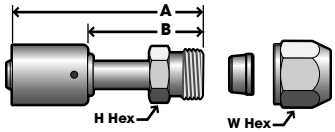
STRAIGHT



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	W inch	W mm	B
ABP N83 311516	⅜ ⅝ x 18 -6	5/16 -6	3.53	90	¾	1.94	49
ABP N83 311498	½ ¾ x 16 -8	13/32 -8	3.75	95	⅞	2.16	55
ABP N83 311690	⅝ ⅞ x 14 -10	½ -10	4.01	102	1	2.42	61
ABP N83 311700	⅝ ⅞ x 14 -10	½ -10	4.04	103	1	2.45	62
ABP N83 311332	¾ 1 1/16 x 14-12	⅝ -12	4.30	109	1-¼	2.71	69

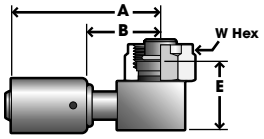
MALE FLARELESS

With O-Ring Seal



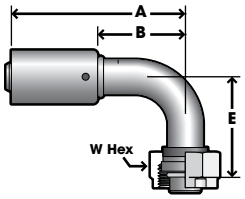
Alliance P/N	Thread Size inch		Hose Size inch		A inch	A mm	H inch	W inch	B inch	B mm
ABP N83 311546	3/8	-6	5/16	-6	3.81	97	1 1/16	3/4	2.22	56
ABP N83 311528	1/2	-8	13/32	-8	3.93	100	1 3/16	7/8	2.34	59
ABP N83 311750	5/8	-10	1/2	-10	4.07	103	1 5/16	1 1/16	2.48	63
ABP N83 311760	5/8	-10	5/8	-12	4.07	103	1 5/16	1 1/16	2.48	63
ABP N83 311362	3/4	-12	5/8	-12	4.26	108	1-1/8	1 1/4	2.67	68

90° ELBOW



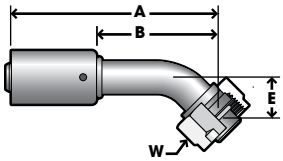
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311242	1 x 14 -12	13/32 -8	3.02	77	0.80	20	1 1/8	1.43	36
ABP N83 311262	1 x 14 -12	5/8 -12	3.14	80	0.80	20	1 1/8	1.55	39

90° ELBOW



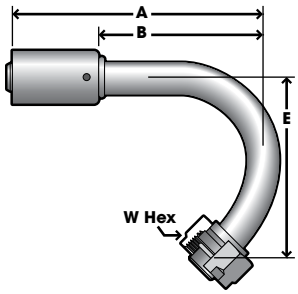
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311252	1/2 1 x 14 -12	13/32 -8	3.01	76	1.50	38	1 1/8	1.42	36
ABP N83 311472	5/8 1 x 14 -12	5/8 -12	3.19	81	1.63	41	1 1/8	1.60	41

45° ELBOW



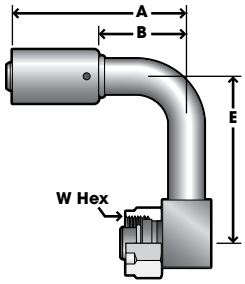
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311232	5/8 1 x 14 -12	5/8 -12	4.14	105	0.76	19	1 1/8	2.55	65
ABP N83 311282	1/2 1 x 14 -12	13/32 -8	3.91	99	0.75	19	1 1/8	2.32	59

135° ELBOW



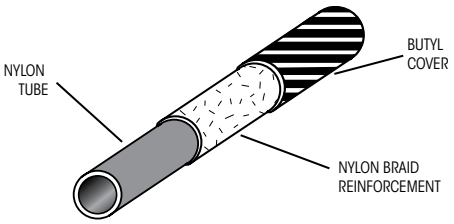
Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311292	½ 1 x 14 -12	13⁄32 -8	4.84	123	3.19	81	1 1⁄8	3.25	83
ABP N83 311212	5⁄8 1 x 14 -12	5⁄8 -12	4.97	126	3.25	83	1 1⁄8	3.38	86

180° BLOCK TYPE



Alliance P/N	Thread Size inch	Hose Size inch	A inch	A mm	E inch	E mm	W inch	B inch	B mm
ABP N83 311222	1 x 14 -12	5⁄8 -12	3.23	82	3.13	80	1 1⁄8	1.64	42

P80 HOSE SPECIFICATIONS



Alliance P/N	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Radius		Weight		
	inch	mm	inch	mm	PSI	MPa	PSI	MPa	Inch	mm	lbs/ft	kg/m	LENGTH
ABP N83 313120	5/16	8	0.62	16	500	3,5	2500	17	2	50	0.12	0,18	100 ft Box
ABP N83 313220	5/16	8	0.62	16	500	3,5	2500	17	2	50	0.12	0,18	275 ft Reel
ABP N83 313125	13/32	10	0.74	19	500	3,5	2500	17	3	75	0.12	0,22	100 ft Box
ABP N83 313225	13/32	10	0.74	19	500	3,5	2500	17	3	75	0.12	0,22	275 ft Reel
ABP N83 313130	½	12,5	0.86	22	500	3,5	2500	17	3.5	90	0.18	0,27	100 ft Box
ABP N83 313230	½	12,5	0.86	22	500	3,5	2500	17	3.5	90	0.18	0,27	275 ft Reel
ABP N83 313135	5/8	16	0.96	24	500	3,5	2500	17	4.5	115	0.21	0,31	100 ft Box
ABP N83 313235	5/8	16	0.96	24	500	3,5	2500	17	4.5	115	0.21	0,31	275 ft Reel

CRIMPING TOOLS

PARKRIMP 1

For use with 26, 28, and 43 Series Fittings

DROP SHIP ONLY



ABP N83 327800
(PARKER No 80C-001) INCLUDES:
- Parkrimp 1 Crimper with 115 / 230 volt, 1 phase, 60 power unit wired for 115V
  Note: Must run on a dedicated 20 AMP circuit
- Die Rings Color Coded Silver
  Color Coded Black
- 43 Series Dies (Silver)
  -4 (¼") Color Coded Red
  -6 (⅜") Color Coded Yellow
  -8 (½") Color Coded Blue
  -12 (¾") Color Coded Green
  -16 (1") Color Coded Black

ABP N83 327810
(PARKER No 80C-061) INCLUDES:
- Parkrimp 1 Crimper
- Die rings Color Coded Silver
  Color Coded Black

ABP N83 327820
(PARKER No 80C-081) INCLUDES:
- Parkrimp 1 Crimper with 115 / 230 volt, 1 phase, 60 power unit wired for 115V

The Parkrimp 1, Model ABP N83 327800, gives you everything you need to crimp hoses from ¼" to 1 ¼" in one convenient package. It includes crimping machine, electric pump, die rings, die sets for ¼", ⅜", ½", ¾", and 1" hoses. (Die sets for 5/16", ⅝" and 1 ¼" hoses are available.)
All you need to be in business is a small inventory of Parker No-Skive hose and Parker Parkrimp No-Skive fittings.

Specifications:

Dimensions	26" wide, 19 ½" deep, 24 ¼" high
Weight	275 lbs. with power unit
Rating	30 tons force @ 3,000 psi maximum
Capability	1 ¼" SAE 100R1AT maximum
	1 ¼" DIN 20 022-1SN maximum
	1 ¼" SAE 100R2AT maximum
	1 ¼" DIN 20 022-2SN maximum
	1" SAE 100R3 maximum
	1 ¼" SAE 100R4 maximum
	⅞" SAE100R5 maximum
	1" SAE 100R9AT maximum
	1" SAE 100R16 maximum
	⅞" SAEJ1402 AI maximum
	⅞" SAEJ1402 AII maximum
Set up time	20 seconds
Full cycle time	20 seconds with electric pump
Hydraulic Fluid	SAE 30W

Note: Cycle times may vary depending on hose and fitting styles and sizes.

CRIMPING TOOLS

KARRYKRIMP, KARRYKRIMP 2, AND POWER UNITS

KARRYKRIMP

For use with 26, 28, and 43 Series Fittings

DROP SHIP ONLY



ABP N83 327700
(PARKER No 82C-001) includes:
- Karrykrimp Portable Crimper (base unit)
- 2 Piece Stand
- Hand Pump
- Connection Hose with Quick Coupling
- Die Rings Color Coded Silver
  Color Coded Black
- 43 Series Dies (Silver)
  -4 (¼") Color Coded Red
  -6 (⅜") Color Coded Yellow
  -8 (½") Color Coded Blue
  -12 (¾") Color Coded Green
  -16 (1") Color Coded Black

ABP N83 327710
(PARKER No 82C-002) includes:
- Karrykrimp Portable Crimper (base unit)
- 2 Piece Stand
- Connection Hose with Quick Coupling
- Die Rings Color Coded Silver
  Color Coded Black
- 43 Series Dies (Silver)
  -4 (¼") Color Coded Red
  -6 (⅜") Color Coded Yellow
  -8 (½") Color Coded Blue
  -12 (¾") Color Coded Green
  -16 (1") Color Coded Black

ABP N83 327720
(PARKER No 82C-061) includes:
- Karrykrimp Portable Crimper (base unit)
- 2 Piece Stand
- Connection Hose with Quick Coupling
- Die Rings Color Coded Silver
  Color Coded Black

ABP N83 327730
(PARKER No 82C-080) includes:
- Karrykrimp Portable Crimper (base unit)

The Karrykrimp is portable, compact and ruggedly built. The Karrykrimp gives you everything you need to crimp hoses from ¼" to 1-¼". In one convenient package, Model ABP N83 327700, includes crimping machine, take-apart stand, hand pump, die rings, connecting hose with quick coupling and die sets for ¼", ⅜", ½", ¾" and 1" hoses. (Die sets for 5/16", ⅝" and 1 ¼" hoses are available.) Karrykrimp has the same crimpimg capabilities as the Parkrimp 1, Model ABP N83 327800.

Specifications:

Dimensions 15" wide, 12" deep, 27" high
Weight 50 lbs. without power unit
Rating 30 tons force @ 10.000 psi maximum
Capability
- 1 ¼" SAE 100R1AT maximum
- 1 ¼" DIN 20 022-1SN maximum
- 1 ¼" SAE 100R2AT maximum
- 1 ¼" DIN 20 022-2SN maximum
- 1" SAE 100R3 maximum
- 1 ¼" SAE 100R4 maximum
- ⅞" SAE100R5 maximum
- 1" SAE 100R9AT maximum
- 1" SAE 100R16 maximum
- ⅞" SAEJ1402 AI maximum
- ⅞" SAEJ1402 AII maximum

Set up time 20 seconds
Full cycle time 30 seconds with electric pump
Note: Cycle times may vary depending on hose and fitting styles and sizes.

PARKER DIE SET P/Ns

Crimp Die #6	5/16"	**ABP N83 327606**
Crimp Die #8	13/32"	**ABP N83 327608**
Crimp Die #10	½"	**ABP N83 327610**
Crimp Die #12	⅝"	**ABP N83 327612**

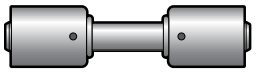
PARKER PART NUMBER CONVERSION

Old Parker P/N	Alliance P/N	Description
PH 10828 10 10	**ABP N83 311690**	Female SAE 45˚ Swivel
PH 10828 10 12	**ABP N83 311700**	Female SAE 45˚ Swivel
PH 10828 12 12	**ABP N83 311332**	Female SAE 45˚ Swivel
PH 10828 6 6	**ABP N83 311516**	Female SAE 45˚ Swivel
PH 10828 8 8	**ABP N83 311498**	Female SAE 45˚ Swivel
PH 14528 6 6	**ABP N83 311426**	Male tube o-ring swivel straight - long pilot
PH 14528 6 6PR	**ABP N83 311496**	Male tube o-ring swivel straight - long pilot with charge port for R12
PH 15928 10 10PT	**ABP N83 311170**	Female tube o-ring swivel straight - long pilot with charge port for R134a
PH 15928 10 12	**ABP N83 311380**	Female tube o-ring swivel straight - long pilot
PH 15928 10 12PT	**ABP N83 311510**	Female tube o-ring swivel straight - long pilot with charge port for R134a
PH 15928 6 6	**ABP N83 311366**	Female tube o-ring swivel straight - long pilot
PH 15928 6 6PT	**ABP N83 311096**	Female tube o-ring swivel straight - long pilot with charge port for R134a
PH 15928 8 8PT	**ABP N83 311148**	Female tube o-ring swivel straight - long pilot with charge port for R134a
PH 15G28 10 10	**ABP N83 311490**	Male insert o-ring braze nut - straight
PH 15G28 10 12	**ABP N83 311302**	Male insert o-ring braze nut - straight
PH 15G28 10 12PR	**ABP N83 311680**	Male tube o-ring rigid port (3 step) straight with charge port for R12 mates with female tube o-ring swivels
PH 15G28 6 6	**ABP N83 311686**	Male insert o-ring braze nut - straight
PH 15H28 10 12	**ABP N83 311590**	Female tube o-ring swivel 45˚, elbow - short pilot
PH 15H28 6 6	**ABP N83 311476**	Female tube o-ring swivel 45˚, elbow - short pilot
PH 15H28 8 8	**ABP N83 311468**	Female tube o-ring swivel 45˚, elbow - short pilot
PH 15K28 10 10PR	**ABP N83 311640**	Male tube o-ring swivel 90˚ elbow - short pilot with charge port at 180˚ for R12
PH 15K28 10 12	**ABP N83 310120**	Male tube o-ring swivel 90˚ elbow - short pilot
PH 15K28 10 12PR	**ABP N83 311650**	Male tube o-ring swivel 90˚ elbow - short pilot with charge port at 180˚ for R12
PH 15K28 6 6	**ABP N83 311126**	Male tube o-ring swivel 90˚ elbow - short pilot
PH 15K28 8 8	**ABP N83 311448**	Male tube o-ring swivel 90˚ elbow - short pilot
PH 15L28 10 10PR	**ABP N83 311660**	Female tube o-ring swivel - 90˚ elbow with charge port at 180˚ for R12
PH 15L28 10 10PT	**ABP N83 311520**	Female tube o-ring swivel 90˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15L28 10 12	**ABP N83 311400**	Female tube o-ring swivel 90˚ elbow - long pilot
PH 15L28 10 12PR	**ABP N83 311670**	Female tube o-ring swivel - 90˚ elbow with charge port at 180˚ for R12
PH 15L28 10 12PT	**ABP N83 311312**	Female tube o-ring swivel 90˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15L28 6 6	**ABP N83 311446**	Female tube o-ring swivel 90˚ elbow - long pilot
PH 15L28 6 6PT	**ABP N83 311376**	Female tube o-ring swivel 90˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15L28 8 8	**ABP N83 311118**	Female tube o-ring swivel 90˚ elbow - long pilot
PH 15L28 8 8PR	**ABP N83 311488**	Female tube o-ring swivel - 90˚ elbow with charge port at 180˚ for R12
PH 15L28 8 8PT	**ABP N83 311418**	Female tube o-ring swivel 90˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15M28 10 10	**ABP N83 311560**	Male tube o-ring swivel 90˚ elbow - long pilot
PH 15M28 10 12PT	**ABP N83 311430**	Male tube o-ring swivel 90˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15M28 10 12PV	**ABP N83 311440**	Male tube o-ring swivel 90˚ elbow - long pilot with charge port at 270˚ for R134a
PH 15M28 6 6	**ABP N83 310146**	Male tube o-ring swivel 90˚ elbow - long pilot
PH 15M28 6 6PR	**ABP N83 311506**	Male tube o-ring swivel - 90˚ elbow - long pilot with charge port at 180˚ for R12
PH 15M28 8 8	**ABP N83 311458**	Male tube o-ring swivel 90˚ elbow - long pilot
PH 15N28 10 12	**ABP N83 311390**	Female tube o-ring swivel 45˚ elbow - long pilot
PH 15N28 10 12PT	**ABP N83 311410**	Female tube o-ring swivel 45˚ elbow - long pilot with charge port at 180˚ for R134a

PARKER PART NUMBER CONVERSION

Old Parker P/N	Alliance P/N	Description
PH 15N28 8 8PT	**ABP N83 311408**	Female tube o-ring swivel 45˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15P28 10 12PT	**ABP N83 311420**	Male tube o-ring swivel 45˚ elbow - long pilot with charge port at 180˚ for R134a
PH 15R28 10 10	**ABP N83 311540**	Male tube o-ring swivel 45˚ elbow - short pilot
PH 15R28 10 12	**ABP N83 311550**	Male tube o-ring swivel 45˚ elbow - short pilot
PH 15R28 6 6	**ABP N83 311116**	Male tube o-ring swivel 45˚ elbow - short pilot
PH 15R28 8 8	**ABP N83 311438**	Male tube o-ring swivel 45˚ elbow - short pilot
PH 15S28 10 10	**ABP N83 311570**	Female tube o-ring swivel straight - short pilot
PH 15S28 10 12	**ABP N83 311500**	Female tube o-ring swivel straight - short pilot
PH 15S28 12 12	**ABP N83 311322**	Female tube o-ring swivel straight - short pilot
PH 15S28 6 6	**ABP N83 311406**	Female tube o-ring swivel straight - short pilot
PH 15S28 8 8	**ABP N83 311378**	Female tube o-ring swivel straight - short pilot
PH 15T28 10 10	**ABP N83 311600**	Female tube o-ring swivel 45˚ elbow - long pilot
PH 15T28 10 12	**ABP N83 311610**	Female tube o-ring swivel 45˚ elbow - long pilot
PH 15T28 6 6	**ABP N83 311486**	Female tube o-ring swivel 45˚ elbow - long pilot
PH 15T28 8 8	**ABP N83 311478**	Female tube o-ring swivel 45˚ elbow - long pilot
PH 17728 10 10	**ABP N83 311710**	Female SAE 45˚ Swivel 45˚ elbow
PH 17728 10 12	**ABP N83 311720**	Female SAE 45˚ Swivel 45˚ elbow
PH 17728 6 6	**ABP N83 311526**	Female SAE 45˚ Swivel 45˚ elbow
PH 17728 8 8	**ABP N83 311508**	Female SAE 45˚ Swivel 45˚ elbow
PH 17928 10 10	**ABP N83 311730**	Female SAE 45˚ Swivel 90˚ elbow
PH 17928 10 12	**ABP N83 311740**	Female SAE 45˚ Swivel 90˚ elbow
PH 17928 12 12	**ABP N83 311352**	Female SAE 45˚ Swivel 90˚ elbow
PH 17928 6 6	**ABP N83 311456**	Female SAE 45˚ Swivel 90˚ elbow
PH 17928 8 8	**ABP N83 311518**	Female SAE 45˚ Swivel 90˚ elbow
PH 1S528 10 10	**ABP N83 311530**	Male tube o-ring swivel straight short pilot 10 - 10
PH 1S528 10 12	**ABP N83 310100**	Male tube o-ring swivel straight short pilot 10 - 12
PH 1S528 10 12PR	**ABP N83 311630**	Male tube o-ring swivel straight - short pilot with charge port for R12
PH 1S528 6 6	**ABP N83 311416**	Male tube o-ring swivel straight short pilot 6 6
PH 1S528 8 8	**ABP N83 311428**	Male tube o-ring swivel straight short pilot 8 8
PH 1T128 10 10	**ABP N83 311750**	Male flareless with o-ring seal
PH 1T128 10 12	**ABP N83 311760**	Male flareless with o-ring seal
PH 1T128 12 12	**ABP N83 311362**	Male flareless with o-ring seal
PH 1T128 6 6	**ABP N83 311546**	Male flareless with o-ring seal
PH 1T128 8 8	**ABP N83 311528**	Male flareless with o-ring seal
PH 930266	**ABP N83 311242**	Compressor fitting 90˚ Block type
PH 930267	**ABP N83 311252**	Compressor fitting 90˚ Elbow
PH 930268	**ABP N83 311282**	Compressor fitting 45˚ Elbow
PH 930269	**ABP N83 311292**	Compressor fitting 135˚ Elbow
PH 930270	**ABP N83 311222**	Compressor fitting 180˚ Block type
PH 930271	**ABP N83 311212**	Compressor fitting 135˚ Elbow
PH 930272	**ABP N83 311262**	Compressor fitting 90˚ Block type
PH 930274	**ABP N83 311232**	Compressor fitting 45˚ Elbow
PH 930276	**ABP N83 311472**	Compressor fitting 90˚ Elbow

STRAIGHT SPLICER



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311706	N/A	N/A	6 x 6	N/A	Steel
ABP N83 311758	N/A	N/A	8 x 8	N/A	Steel
ABP N83 311980	N/A	N/A	10 x 10	N/A	Steel
ABP N83 311762	N/A	N/A	12 x 12	N/A	Steel

STRAIGHT SPLICER

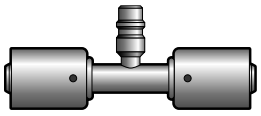
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311786	N/A	N/A	6 x 8	N/A	Steel
ABP N83 311794	N/A	N/A	8 x 10	N/A	Steel
ABP N83 311970	N/A	N/A	10 x 12	N/A	Steel

STRAIGHT SPLICER

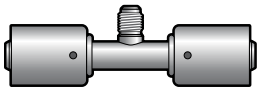
With R134a Quick Disconnect Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311536	N/A	N/A	6 x 6	16mm	Steel
ABP N83 311718	N/A	N/A	8 x 8	16mm	Steel
ABP N83 311522	N/A	N/A	12 x 12	13mm	Steel

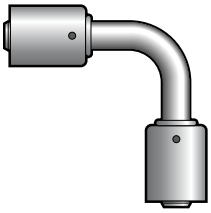
STRAIGHT SPLICER

With R12 Service Valve



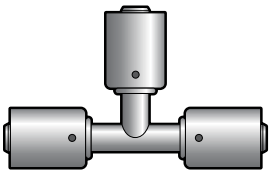
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310516	N/A	N/A	6 x 6	¼"	Steel
ABP N83 311808	N/A	N/A	8 x 8	¼"	Steel
ABP N83 311561	N/A	N/A	10 x 10	¼"	Steel
ABP N83 311532	N/A	N/A	12 x 12	¼"	Steel

90° SPLICER



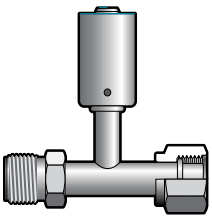
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311224	N/A	N/A	6 x 6	N/A	Steel
ABP N83 311234	N/A	N/A	8 x 8	N/A	Steel
ABP N83 311254	N/A	N/A	10 x 10	N/A	Steel
ABP N83 311164	N/A	N/A	12 x 12	N/A	Steel

TEE SPLICER



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311702	N/A	N/A	6 x 6 x 6	N/A	Steel
ABP N83 311704	N/A	N/A	8 x 8 x 8	N/A	Steel
ABP N83 311722	N/A	N/A	12 x 12 x 12	N/A	Steel

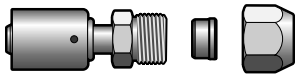
TEE SPLICER THREADED



Alliance P/N	Thread	Fitting Size	Male Insert O-Ring	Female O-Ring	Hose Size	Material
ABP N83 311724	⅝" - 18	6	6	6	6	Steel
ABP N83 311734	1 1/16" - 14	12	12	12	10	Steel

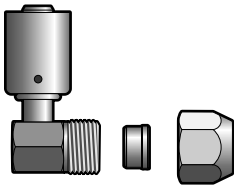
COMPRESSION FITTINGS

STRAIGHT



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311276	⅜" Tube	6	6	N/A	N/A
ABP N83 311278	½" Tube	8	8	N/A	N/A
ABP N83 311280	⅝" Tube	10	10	N/A	N/A
ABP N83 311122	¾" Tube	12	12	N/A	N/A

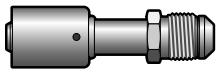
90°



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311166	⅜" Tube	6	6	N/A	N/A
ABP N83 311200	⅝" Tube	10	10	N/A	N/A
ABP N83 311062	¾" Tube	12	12	N/A	N/A

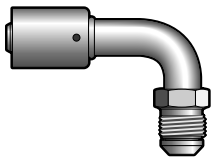
FLARE FITTINGS

STRAIGHT MALE FLARE



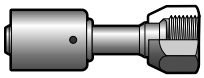
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311066	⅝" - 18	6	6	N/A	N/A
ABP N83 311088	¾" - 16	8	8	N/A	N/A
ABP N83 311162	1 1/16" - 14	12	12	N/A	N/A

90° MALE FLARE



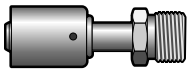
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311048	¾" - 16	8	8	N/A	N/A
ABP N83 311050	⅞" - 14	10	10	N/A	N/A
ABP N83 311092	1 1/16" - 14	12	12	N/A	N/A

STRAIGHT FEMALE FLARE



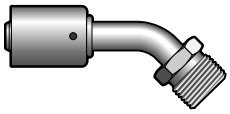
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311288	¾" - 16	8	8	N/A	Steel
ABP N83 311314	1 1/16" - 14	12	12	N/A	Steel

STRAIGHT MALE INSERT



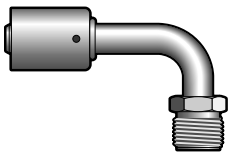
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311716	⅝" - 18	6	6	N/A	Steel
ABP N83 311818	¾" - 16	8	8	N/A	Steel
ABP N83 311591	⅞" - 14	10	10	N/A	Steel
ABP N83 311204	1 1⁄16" - 14	12	12	N/A	Steel

45° MALE INSERT



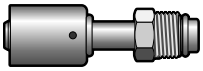
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311154	⅝" - 18	6	6	N/A	Steel
ABP N83 311174	¾" - 16	8	8	N/A	Steel
ABP N83 311184	⅞" - 14	10	10	N/A	Steel

90° MALE INSERT



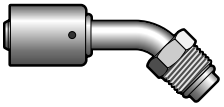
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311776	⅝" - 18	6	6	N/A	Steel
ABP N83 311828	¾" - 16	8	8	N/A	Steel
ABP N83 311681	⅞" - 14	10	10	N/A	Steel

STRAIGHT MALE



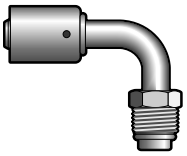
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311796	⅝" - 18	6	6	N/A	Steel
ABP N83 311838	¾" - 18	8	8	N/A	Steel
ABP N83 310200	⅞" - 18	10	10	N/A	Steel
ABP N83 311542	1 1⁄16" - 16	12	12	N/A	Steel

45° MALE



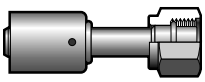
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310216	⅝" - 18	6	6	N/A	Steel
ABP N83 311848	¾" - 18	8	8	N/A	Steel
ABP N83 310190	⅞" - 18	10	10	N/A	Steel
ABP N83 311552	1 1⁄16" - 16	12	12	N/A	Steel

90° MALE



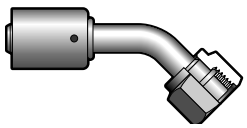
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311246	⅝" - 18	6	6	N/A	Steel
ABP N83 311858	¾" - 18	8	8	N/A	Steel
ABP N83 310210	⅞" - 18	10	10	N/A	Steel
ABP N83 311562	1 1⁄16" - 16	12	12	N/A	Steel

STRAIGHT FEMALE



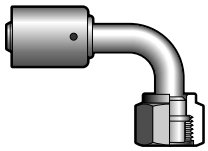
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311806	⅝" - 18	6	6	N/A	Steel
ABP N83 310198	¾" - 16	8	8	N/A	Steel
ABP N83 311601	⅞" - 14	10	10	N/A	Steel
ABP N83 311572	1 1⁄16" - 14	12	12	N/A	Steel

45° FEMALE



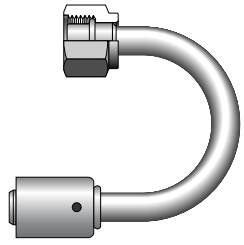
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310206	⅝" - 18	6	6	N/A	Steel
ABP N83 310188	¾" - 16	8	8	N/A	Steel
ABP N83 310180	⅞" - 14	10	10	N/A	Steel
ABP N83 311024	1 1/16" - 14	12	12	N/A	Steel

90° FEMALE O-RING



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310226	⅝" - 18	6	6	N/A	Steel
ABP N83 310278	¾" - 16	8	8	N/A	Steel
ABP N83 311250	⅞" - 14	10	10	N/A	Steel
ABP N83 311582	1 1/16" - 14	12	12	N/A	Steel

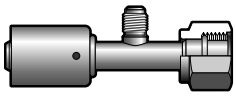
180° FEMALE O-RING



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311584	⅝" - 18	6	6	N/A	Steel
ABP N83 311602	⅞" - 14	10	10	N/A	Steel
ABP N83 311604	1 1/16" - 14	12	12	N/A	Steel

STRAIGHT FEMALE

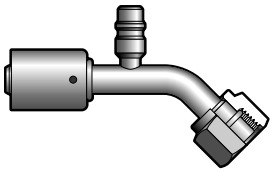
With Schrader Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311816	⅝" - 18	6	6	¼"	Steel

45° FEMALE

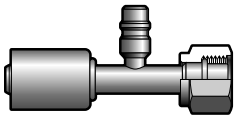
With R134a Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311404	⅝" - 18	6	6	16mm	Steel

STRAIGHT FEMALE

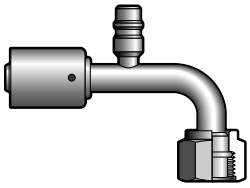
With R134a Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311868	⅝" - 18	6	6	16mm	Steel
ABP N83 311888	¾" - 16	8	8	16mm	Steel
ABP N83 311950	⅞" - 14	10	10	13mm	Steel
ABP N83 311592	1 1/16" - 14	12	12	13mm	Steel

90° FEMALE

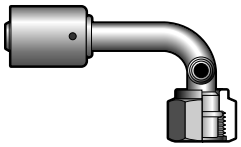
With R134a Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311676	⅝" - 18	6	6	16mm	Steel
ABP N83 311738	¾" - 16	8	8	16mm	Steel
ABP N83 310010	⅞" - 14	10	10	13mm	Steel
ABP N83 310502	1 1/16" - 14	12	12	13mm	Steel

90° FEMALE

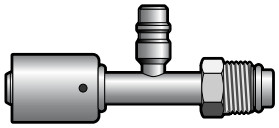
With R134a Side Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311728	¾" - 16	8	8	16mm	Steel

STRAIGHT MALE

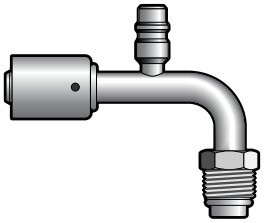
With R134a Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310612	⅝" - 18	6	6	16mm	Steel
ABP N83 310614	⅞" - 18	10	10	13mm	Steel
ABP N83 310616	1 1⁄16" - 16	12	12	13mm	Steel
ABP N83 310618	⅞" - 18	10	12	13mm	Steel

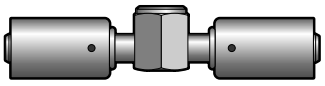
90° MALE

With R134a Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310622	⅝" - 18	6	6	16mm	Steel
ABP N83 310624	⅞" - 18	10	10	13mm	Steel

IN-LINE SIGHT GLASS FITTING

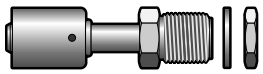


Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310450	N/A	N/A	6 x 6	N/A	Steel

BULKHEAD FITTINGS

STRAIGHT

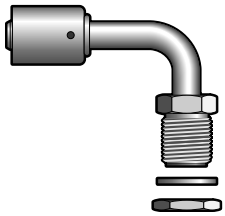
With Male Insert O-Ring (MIO)



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311826	⅝" - 18	6	6	N/A	Steel
ABP N83 311898	¾" - 16	8	8	N/A	Steel
ABP N83 311274	⅞" - 14	10	10	N/A	Steel

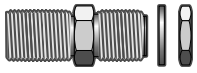
90°

With Male Insert O-Ring (MIO)



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311244	⅝" - 18	6	6	N/A	Steel
ABP N83 311194	¾" - 16	8	8	N/A	Steel
ABP N83 311214	⅞" - 14	10	10	N/A	Steel

BULKHEAD STYLE

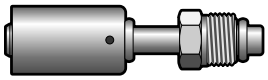


Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310406	⅝" - 18	6	N/A	N/A	Steel
ABP N83 310408	¾" - 16	8	N/A	N/A	Steel
ABP N83 310410	⅞" - 14	10	N/A	N/A	Steel

STEP-DOWN FITTINGS

STRAIGHT MALE O-RING

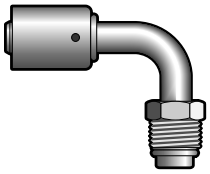
Step Down



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311424	1 1/16"	7	6	N/A	Steel

90° MALE O-RING

Step-Down

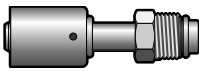


Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311752	¾" - 18	8	6	N/A	Steel

STEP-UP FITTINGS

STRAIGHT MALE O-RING

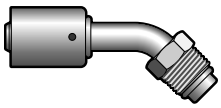
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311696	⅝" - 18	6	8	N/A	Steel
ABP N83 310420	⅞" - 18	10	12	N/A	Steel

45° MALE O-RING

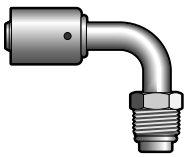
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311328	⅞" - 18	10	12	N/A	Steel

90° MALE O-RING

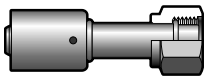
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311846	⅝" - 18	6	8	N/A	Steel
ABP N83 310430	⅞" - 18	10	12	N/A	Steel

STRAIGHT FEMALE O-RING

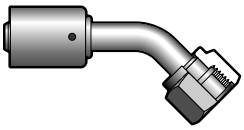
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311856	⅝" - 18	6	8	N/A	Steel
ABP N83 311908	¾" - 16	8	10	N/A	Steel
ABP N83 310440	⅞" - 14	10	12	N/A	Steel

45° FEMALE O-RING

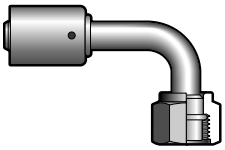
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310416	⅝" - 18	6	8	N/A	Steel
ABP N83 310460	⅞" - 14	10	12	N/A	Steel

90° FEMALE O-RING

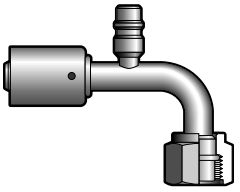
Step-Up



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311386	⅝" - 18	6	8	N/A	Steel
ABP N83 310418	¾" - 16	8	10	N/A	Steel
ABP N83 310270	⅞" - 14	10	12	N/A	Steel

90° FEMALE O-RING

Step-Up with R134a Port

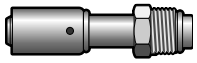


Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310500	⅞" - 14	10	12	13mm	Steel

STEP-UP FITTINGS

STRAIGHT MALE O-RING

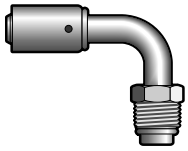
Step-Up with Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310504	⅝" - 18	6	8	N/A	Steel
ABP N83 310514	¾" - 18	8	10	N/A	Steel
ABP N83 310510	⅞" - 18	10	12	N/A	Steel

90° MALE O-RING

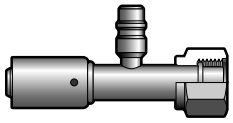
Step-Up with Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310518	⅝" - 18	6	8	N/A	Steel
ABP N83 310520	⅞" - 18	10	12	N/A	Steel

STRAIGHT FEMALE O-RING

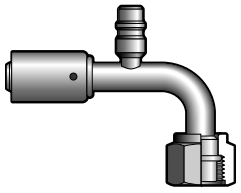
Step-Up with R134a Charge Port with Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310530	⅞" - 14	10	12	13mm	

90° FEMALE O-RING

Step-Up with R134a Charge Port with Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310540	⅞" - 14	10	12	13mm	

STRAIGHT SPLICER

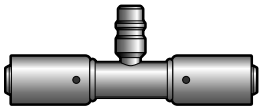
Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310436	6 x 6	6	6	N/A	Steel
ABP N83 310428	8 x 8	8	8	N/A	Steel
ABP N83 310550	10 x 10	10	10	N/A	Steel
ABP N83 310512	12 x 12	12	12	N/A	Steel

STRAIGHT SPLICER

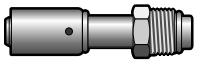
Reduced Bead Lock with R134a Charge Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 311466	6 x 6	6	6	16mm	Steel
ABP N83 311698	8 x 8	8	8	16mm	Steel
ABP N83 311960	10 x 10	10	10	13mm	Steel
ABP N83 311522	12 x 12	12	12	13mm	Steel

STRAIGHT MALE O-RING

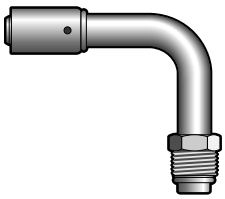
Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310446	⅝" - 18	6	6	N/A	Steel
ABP N83 310438	¾" - 18	8	8	N/A	Steel
ABP N83 310560	⅞" - 18	10	10	N/A	Steel
ABP N83 310444	1 1⁄16" - 16	12	12	N/A	Steel

90° MALE O-RING

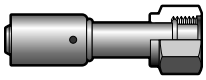
Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310456	⅝" - 18	6	6	N/A	Steel
ABP N83 310448	¾" - 18	8	8	N/A	Steel
ABP N83 310570	⅞" - 18	10	10	N/A	Steel
ABP N83 310454	1 1⁄16" - 16	12	12	N/A	Steel

STRAIGHT FEMALE O-RING

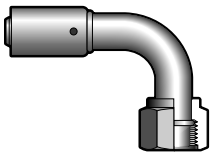
Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310526	⅝" - 18	6	6	N/A	Steel
ABP N83 310458	¾" - 16	8	8	N/A	Steel
ABP N83 310580	⅞" - 14	10	10	N/A	Steel
ABP N83 310412	1 1⁄16" - 14	12	12	N/A	Steel

90° FEMALE O-RING

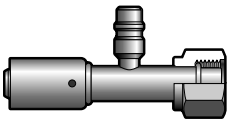
Reduced Bead Lock



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310476	⅝" - 18	6	6	N/A	Steel
ABP N83 310498	¾" - 16	8	8	N/A	Steel
ABP N83 310590	⅞" - 14	10	10	N/A	Steel
ABP N83 310422	1 1⁄16" - 14	12	12	N/A	Steel

STRAIGHT FEMALE O-RING

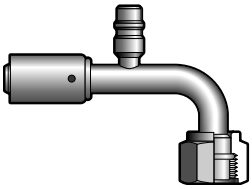
Reduced Bead Lock with R134a Port



Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310486	⅝" - 18	6	6	16mm	Steel
ABP N83 310478	¾" - 16	8	8	16mm	Steel
ABP N83 310600	⅞" - 14	10	10	13mm	Steel
ABP N83 310464	1 1⁄16" - 14	12	12	13mm	Steel

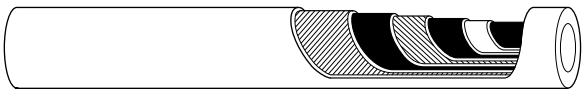
90° FEMALE O-RING

Reduced Bead Lock with R134a Port



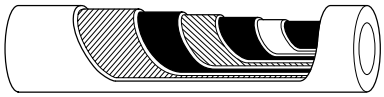
Alliance P/N	Thread	Fitting Size	Hose Size	Port	Material
ABP N83 310496	⅝" - 18	6	6	16mm	Steel
ABP N83 310488	¾" - 16	8	8	16mm	Steel
ABP N83 310610	⅞" - 14	10	10	13mm	Steel

RED DOT REDUCED BARRIER HOSE



Alliance P/N	SAE Hose Size	I.D.	Max. O.D.	Length
ABP N83 313806	#6	5/16"	39/64"	50 ft. Box
ABP N83 313808	#8	13/32"	45/64"	50 ft. Box
ABP N83 313800	#10	1/2"	25/32"	50 ft. Box
ABP N83 313802	#12	5/8"	61/64"	50 ft. Box

RED DOT REFRIGERANT HOSE



Red Dot
Internal Nylon Barrier Hose

Alliance P/N	SAE Hose Size	I.D.	Max. O.D.	Length
ABP N83 313106	#6	5/16"	3/4"	50 ft. Box
ABP N83 313126	#6	5/16"	3/4"	825 ft. Spool
ABP N83 313118	#8	13/32"	29/32"	50 ft. Box
ABP N83 313107	#8	13/32"	29/32"	725 ft. Spool
ABP N83 313100	#10	1/2"	1"	50 ft. Box
ABP N83 313103	#10	1/2"	1"	700 ft. Spool
ABP N83 313102	#12	5/8"	1 1/8"	50 ft. Box
ABP N83 313104	#12	5/8"	1 1/8"	525 ft. Spool

NOTE: for use with push-on fittings/bead lock or "bubble style" crimp/springlock

CRIMPING TOOLS

ABP N83 327157
Bubble Crimp Kit for use with air impact wrench.



Replacement dies for **ABP N83 327157**

ABP N83 327616	#6 Reduced Barrier Die
ABP N83 327626	#6 Standard Die/#8 Reduced Barrier Die
ABP N83 327628	#8 Standard Die
ABP N83 327621	#10 Reduced Barrier Die
ABP N83 327631	#10 Standard Die/#12 Reduced Barrier Die
ABP N83 327632	#8 Reduced Barrier Die

ABP N83 327177
Bubble Crimp Kit with Hydraulic Hand Pump and 6' Hose



ABP N83 327905
Hydraulic Hand Pump and 6' Hose with Male Quick Disconnect

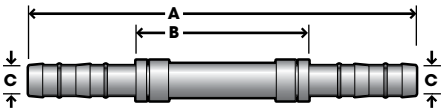


ABP N83 327915



HYDRAULIC CYLINDER
Retrofit Hydraulic Cylinder for 79R1510, Bubble Crimp Kit with Female Quick Disconnect

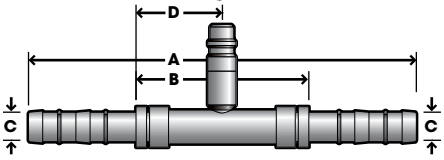
STRAIGHT SPLICER



	Hose	Thread	A	B	C	D	E
ABP N83 310706C	6	N/A	4 5/8"	1 5/8"	1/4"	N/A	N/A
ABP N83 310708C	8	N/A	4 3/4"	1 5/8"	5/16"	N/A	N/A
ABP N83 310711C	10	N/A	5 11/16"	2 5/8"	3/8"	N/A	N/A
ABP N83 310712C	12	N/A	4 3/4"	1 5/8"	1/2"	N/A	N/A

STRAIGHT SPLICER

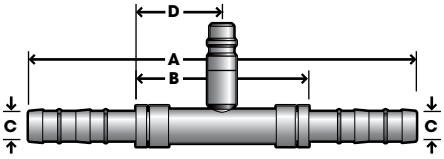
With Low Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E
ABP N83 310721C	10	N/A	5 1/2"	2 7/16"	3/8"	1 1/4"	N/A
ABP N83 310722C	12	N/A	5 5/8"	2 7/16"	1/2"	1 1/4"	N/A

STRAIGHT SPLICER

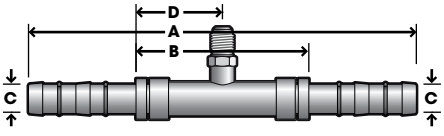
With High Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E
ABP N83 310716C	6	N/A	5 3/8"	2 3/8"	1/4"	1 3/16"	N/A
ABP N83 310718C	8	N/A	5 5/8"	2 1/2"	5/16"	1 1/4"	N/A
ABP N83 310731C	10	N/A	5 5/8"	2 1/2"	3/8"	1 1/4"	N/A

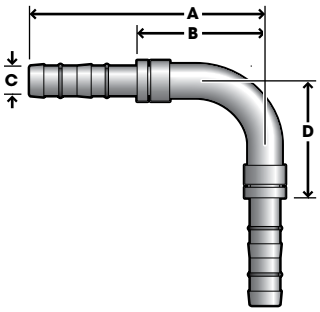
STRAIGHT SPLICER

With R12 Charge Port (7/16" - 20 thread)



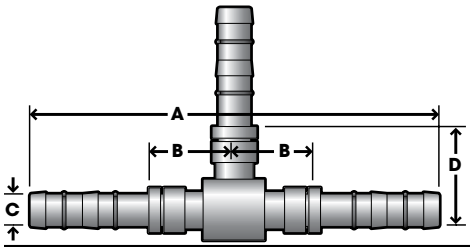
	Hose	Thread	A	B	C	D
ABP N83 311936C	6	N/A	5 3/8"	2 3/8"	1/4"	1 1/3"
ABP N83 311938C	8	N/A	5 5/8"	2 1/2"	5/16"	1 1/4"
ABP N83 311220C	10	N/A	5 1/2"	2 7/16"	3/8"	1 1/4"
ABP N83 311932C	12	N/A	5 5/8"	2 7/16"	1/2"	1 1/4"

90° SPLICER



	Hose	Thread	A	B	C	D
ABP N83 311966C	6	N/A	2 ¾"	1 3⁄16"	¼"	2 ¾"
ABP N83 311968C	8	N/A	3"	1 7⁄16"	5⁄16"	3"
ABP N83 311961C	10	N/A	3 ⅛"	1 ½"	⅜"	3 ⅛"
ABP N83 310752C	12	N/A	3 11⁄16"	2 ⅛"	½"	3 11⁄16"

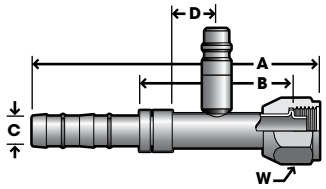
"T" SPLICER



	Hose	Thread	A	B	C	D
ABP N83 311962C	8	N/A	5 ½	1 ¼	5⁄16	1 ¼
ABP N83 311964C	10	N/A	5 ⅝	1 ¼	⅜	1 ¼
ABP N83 311972C	12	N/A	5 ⅔	1 ¼	½	1 ¼

STRAIGHT FEMALE O-RING

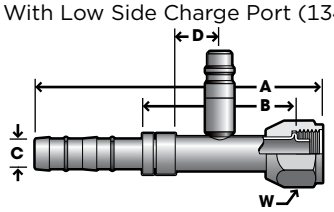
With High Side Charge Port (134a)



	Hose	Thread	A	B	C	D	W
ABP N83 311986C	6	⅝" - 18	3 ⅞"	2 ⅛"	¼"	⅝"	⅞"
ABP N83 311958C	8	¾" - 16	4"	2 ⅛"	5⁄16"	⅝"	⅞"

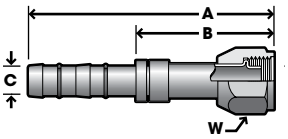
STRAIGHT FEMALE O-RING

With Low Side Charge Port (134a)



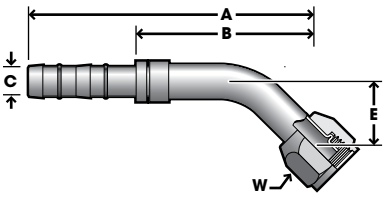
	Hose	Thread	A	B	C	D	W
ABP N83 311951C	10	⅞" - 14	4 ¼"	2 ¼"	⅜"	⅝"	1 1/16"
ABP N83 310300C	10 to 12	⅞" - 14	4 ¼"	2 ¼"	½"	⅝"	1 1/16"

STRAIGHT FEMALE O-RING



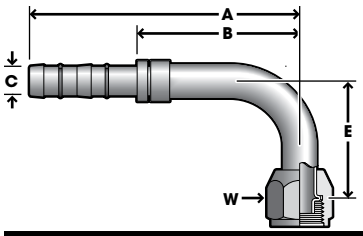
	Hose	Thread	A	B	C	W
ABP N83 310766C	6	⅝" - 18	3 ⅛"	1 ⅝"	¼"	¾"
ABP N83 310776C	6 to 8	⅝" - 18	3 ⅛"	1 ⅝"	5/16"	¾"
ABP N83 310768C	8	¾" - 16	3 9/16"	2"	5/16"	⅞"
ABP N83 310778C	8 to 10	¾" - 16	3 9/16"	2"	⅜"	⅞"
ABP N83 310771C	10	⅞" - 14	3 ⅝"	2"	⅜"	1 1/16"
ABP N83 310781C	10 to 12	⅞" - 14	3 ⅝"	2"	½"	1 1/16"
ABP N83 310762C	12	1 1/16" - 14	4 ¼"	2 ⅝"	½"	1 ¼"

45° FEMALE O-RING



	Hose	Thread	A	B	C	E	W
ABP N83 310786C	6	⅝" - 18	3 ⅝"	2 1/16"	¼"	⅝"	¾"
ABP N83 310788C	8	¾" - 16	3 15/16"	2 ⅜"	5/16"	¾"	⅞"
ABP N83 310791C	10	⅞" - 14	4 ⅜"	2 13/16"	⅜"	1 3/16"	1 1/16"
ABP N83 310784C	10 to 12	⅞" - 14	4 ½"	2 ⅞"	½"	1 ¼"	1 1/16"
ABP N83 310772C	12	1 1/16" - 14	5 11/32"	3 ¾"	½"	1 ½"	1 ¼"

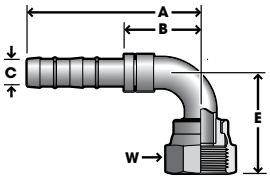
90° FEMALE O-RING



	Hose	Thread	A	B	C	D	E	W
ABP N83 310796C	6	5/8" - 18	3 5/16"	1 3/4"	1/4"	N/A	1 3/8	3/4"
ABP N83 310806C	6 to 8	5/8" - 18	3 5/16"	1 3/4"	5/16"	N/A	1 3/8	3/4"
ABP N83 310798C	8	3/4" - 16	3 3/4"	2 1/4"	5/16"	N/A	1 5/8"	7/8"
ABP N83 310808C	8 to 10	3/4" - 16	3 3/4"	2 1/4"	3/8"	N/A	1 5/8"	7/8"
ABP N83 310801C	10	7/8" - 14	4 1/4"	2 5/8"	3/8"	N/A	1 7/8"	1 1/16"
ABP N83 310811C	10 to 12	7/8" - 14	4 1/4"	2 5/8"	1/2"	N/A	1 7/8"	1 1/16"
ABP N83 310782C	12	1 1/16" - 14	4 3/4"	3 1/8"	1/2"	N/A	2 9/16"	1 1/4"

90° FEMALE O-RING

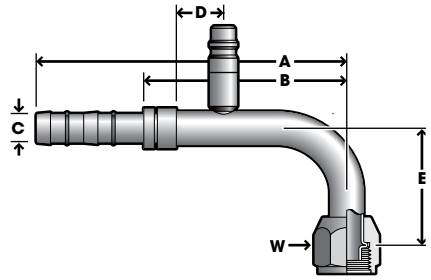
(ORS) Flat Face O-Ring Seal



	Hose	Thread	A	B	C	D	E	W
ABP N83 310690C	6	1 1/16" - 16	2 1/2	1	1/4	N/A	29/32	13/16
ABP N83 310692C	8	13/16" - 16	2 3/4	1 1/4	5/16	N/A	1 5/32	15/16
ABP N83 310694C	10	1" - 14	3 3/32	1 1/2	3/8	N/A	1 1/4	1 1/8
ABP N83 310696C	12	1 3/16" - 12	3 3/8	1 3/4	1/2	N/A	1 29/32	1 3/8
ABP N83 310698C	10 to 12	1" - 14	3 3/32	1 1/2	1/2	N/A	1 3/4	1 1/8

90° FEMALE O-RING

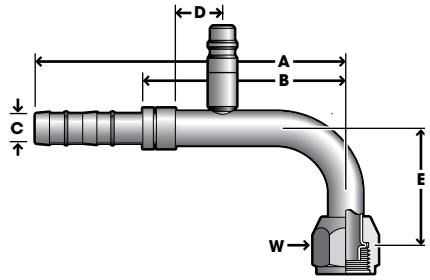
With Low Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E	W
ABP N83 310700C	10	7/8" - 14	4 7/8"	3 5/16"	3/8"	5/8"	1 7/8"	1 1/16"
ABP N83 310701C	10 to 12	7/8" - 14	4 7/8"	3 1/4"	1/2"	5/8"	1 7/8"	1 1/16"
ABP N83 310702C	12	1 1/16" - 14	5 1/8"	3 1/2"	1/2"	5/8"	2 9/16"	1 1/4"

90° FEMALE O-RING

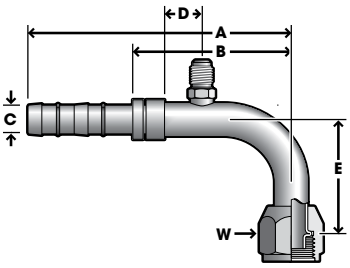
With High Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E	W
ABP N83 310746C	6	5/8" - 18	4 3/8"	2 7/8"	1/4"	5/8"	1 3/8"	3/4"
ABP N83 310748C	8	3/4" - 16	4 5/8"	3 1/16"	5/16"	11/16"	1 5/8"	7/8"
ABP N83 310738C	8 to 10	3/4" - 16	4 1/2"	3"	3/8"	11/16"	1 5/8"	7/8"

90° FEMALE O-RING

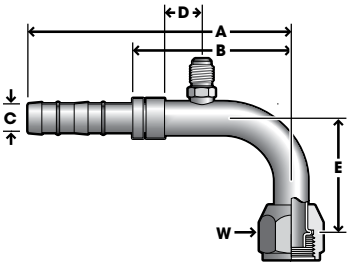
With 7/16" Switch Port (R-134a)



	Hose	Thread	A	B	C	D	E	W
ABP N83 310356C	6	5/8" - 18	4 5/16"	2 13/16"	1/4"	11/16"	1 5/16"	3/4"
ABP N83 310358C	8	3/4" - 16	4 5/8"	2 9/16"	5/16"	11/16"	1 5/8"	7/8"
ABP N83 310350C	10 to 12	7/8" - 14	4 13/16"	2 3/4"	1/2"	5/8"	1 15/16"	1 1/16

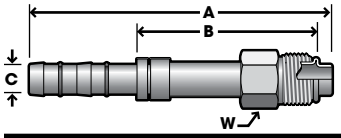
90° FEMALE O-RING

With 7/16" Switch Port (R12)



	Hose	Thread	A	B	C	D	E	W
ABP N83 310790C	10	7/8" - 14	4 3/4	2 3/4	3/8	5/8	1 15/16	1 1/16

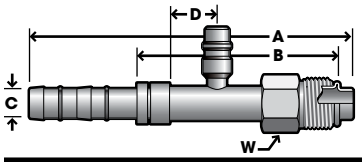
STRAIGHT MALE O-RING



	Hose	Thread	A	B	C	W
ABP N83 310726C	6	5/8" - 18	3 3/8"	1 3/4"	1/4"	5/8"
ABP N83 310736C	6 to 8	5/8" - 18	3 7/16"	1 3/4"	5/16"	5/8"
ABP N83 310728C	8	3/4" - 16	4 3/8"	2 5/8"	5/16"	3/4"
ABP N83 310741C	10	7/8" - 18	3 5/8"	1 7/8"	3/8"	7/8"
ABP N83 310751C	10 to 12	7/8" - 18	3 11/16"	1 7/8"	1/2"	7/8"
ABP N83 310732C	12	1 1/16" - 14	3 11/16"	1 7/8"	1/2"	1 1/16"

STRAIGHT MALE O-RING

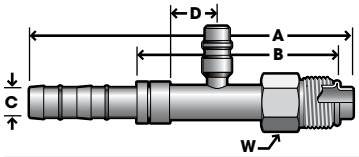
With High Side Charge Port (134a)



	Hose	Thread	A	B	C	D	W
ABP N83 311978C	8	3/4" - 18	4 1/2"	2 3/4"	5/16"	5/8"	3/4"

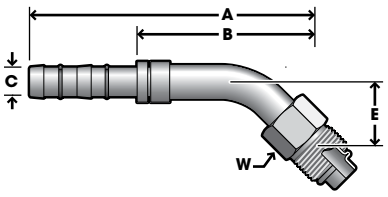
STRAIGHT MALE O-RING

With Low Side Charge Port (134a)



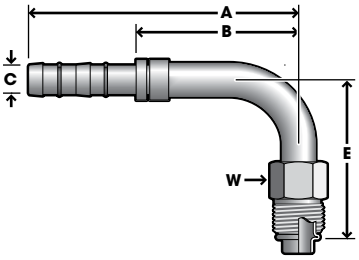
	Hose	Thread	A	B	C	D	W
ABP N83 310310C	10 to 12	7/8" - 18	4 1/2"	2 3/4"	1/2"	5/8"	7/8"

45° MALE O-RING



	Hose	Thread	A	B	C	E	W
ABP N83 311971C	6	5/8" - 18	4"	2 1/2"	1/4"	1"	5/8"
ABP N83 311976C	8	3/4" - 18	4 9/16"	2 13/16"	5/16"	1 1/4"	3/4"
ABP N83 311988C	10	7/8" - 18	4 2/3"	3"	3/8"	1 1/2"	7/8"

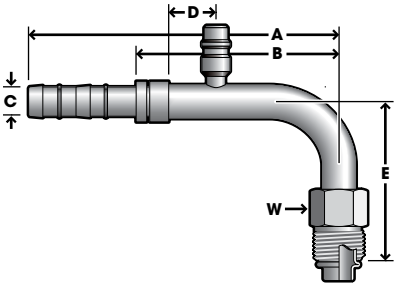
90° MALE O-RING



	Hose	Thread	A	B	C	D	E	W
ABP N83 310826C	6	5/8" - 18	3 5/16"	1 3/4"	1/4"	N/A	1 3/4"	5/8"
ABP N83 310816C	6 to 8	5/8" - 18	3 5/16"	1 3/4"	5/16"	N/A	1 3/4"	5/8"
ABP N83 310818C	8	3/4" - 18	3 3/4"	2 1/4"	5/16"	N/A	2 5/16"	3/4"
ABP N83 310828C	8 to 10	3/4" - 18	3 3/4"	2 1/4"	3/8"	N/A	2 5/16"	3/4"
ABP N83 310831C	10	7/8" - 18	4 1/4"	2 5/8"	3/8"	N/A	2 1/2"	7/8"
ABP N83 310821C	10 to 12	7/8" - 18	4 1/4"	2 11/16"	1/2"	N/A	2 1/2"	7/8"
ABP N83 310792C	12	1 1/16" - 16	4 1/4"	2 5/8"	1/2"	N/A	2 3/4"	1 1/16"

90° MALE O-RING

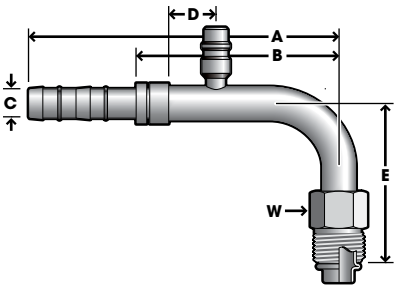
With Low Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E	W
ABP N83 310320C	12	7/8" - 18	4 13/16"	3 1/4"	1/2"	5/8"	2 5/16"	7/8"

90° MALE O-RING

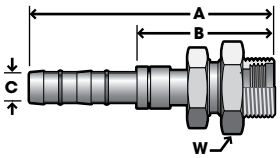
With High Side Charge Port (134a)



	Hose	Thread	A	B	C	D	E	W
ABP N83 311998C	8	3/4" - 18	4 5/8"	3"	5/16"	5/8"	2 5/16"	3/4"

BULKHEAD FITTING

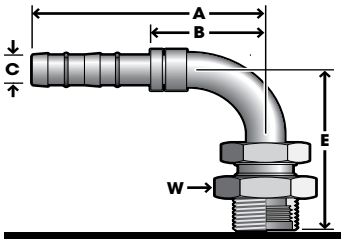
Straight Fitting



	Hose	Thread	A	B	C	W
ABP N83 310346C	6	5/8" - 18	3 11/16"	2 3/16"	1/4"	15/16"
ABP N83 310348C	8	3/4" - 16	4"	2 3/8"	5/16"	1"
ABP N83 310340C	10	7/8" - 14	4 1/2"	3"	3/8"	1 1/8"

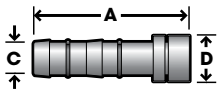
BULKHEAD FITTING

90° Fitting



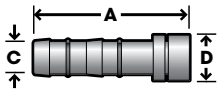
	Hose	Thread	A	B	C	E	W
ABP N83 311946C	6	5/8" - 18	2 1/2"	1"	1/4"	2 1/8"	15/16"
ABP N83 311948C	8	3/4" - 16	2 3/4"	1 1/4"	5/16"	2 5/8"	1"
ABP N83 311941C	10	7/8" - 14	3"	1 1/2"	3/8"	3 1/4"	1 1/8"
ABP N83 310360C	10 to 12	7/8" - 14	3 1/8"	1 1/2"	3/8"	3 1/4"	1 1/8"

STEEL "LIFESAVER" BRAZE NIPPLE



	Hose	A	C	D
ABP N83 311926C	6	2"	1/4"	3/8"
ABP N83 311907C	8	2"	5/16"	1/2"
ABP N83 311931C	10	2"	3/8"	5/8"
ABP N83 311952C	10 to 12	2 1/16"	3/8"	3/4"
ABP N83 311955C	12	2 1/8"	1/2"	3/4"

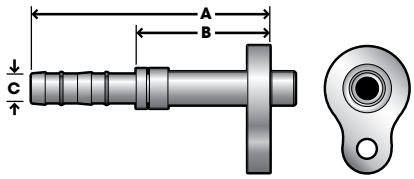
ALUMINUM "LIFESAVER" BRAZE NIPPLE



	Hose	A	C	D
ABP N83 311942C	6	2"	1/4"	3/8"
ABP N83 311943C	8	2"	5/16"	1/2"
ABP N83 311944C	10	2"	3/8"	5/8"
ABP N83 311945C	12	2 1/8"	1/2"	3/4"

STRAIGHT PAD

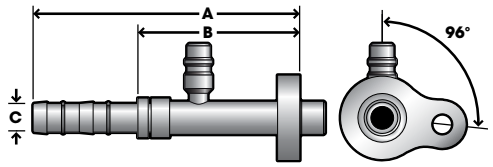
With 180° Pad



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310322C	6 to 8	N/A	3 5/16	1 13/16	1/4	N/A	N/A
ABP N83 310324C	8 to 10	N/A	3 3/4	2 3/16	5/16	N/A	N/A
ABP N83 310326C	10 to 12	N/A	4 5/16	2 23/32	3/8	N/A	N/A

STRAIGHT PAD

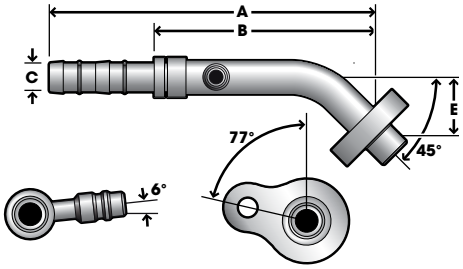
With Low Side 134a Port, 96° Pad



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310328C	10 to 12	N/A	4 21/64	2 3/4	3/8	1 1/2	N/A

45° ELBOW PAD

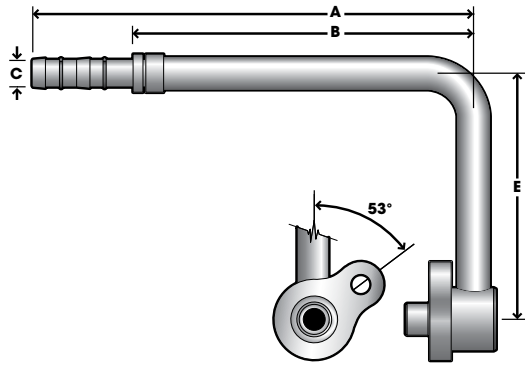
With Low Side 134a Port



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310330C	10 to 12	N/A	6 25/32	5 7/32	3/8	1 1/2	1 1/2

90° ELBOW PAD

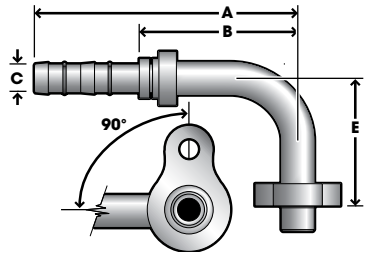
With 53° Pad



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310332C	8 to 10	N/A	6	4 1/2	5/16	N/A	4

90° ELBOW PAD

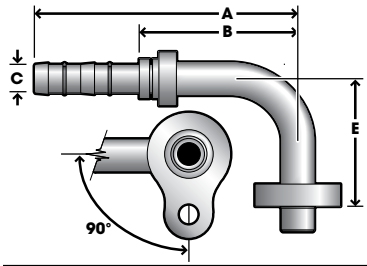
With Right Side Bolt Hole, 90° Pad



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310334C	6 to 8	N/A	3 7/8	2 5/16	1/4	N/A	2 3/16

90° ELBOW PAD

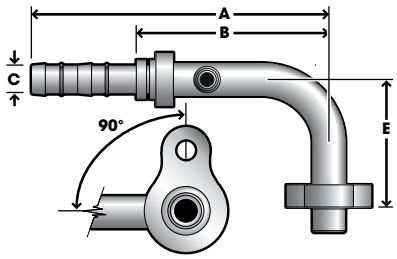
With Left Side Bolt Hole, 180° Pad



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310336C	6 to 8	N/A	3 7/8	2 5/16	1/4	N/A	2 3/16
ABP N83 310338C	10 to 8	N/A	3 7/8	2 5/16	5/16	N/A	2 3/16

90° ELBOW PAD

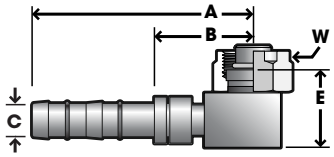
With Right Side Bolt Hole, 90° Pad and Low Side 134a Port



	Hose to Pad Fitting	Thread	A	B	C	D	E
ABP N83 310342C	12 to 10	N/A	5 29/32	4 5/16	3/8	3 7/32	2 13/16

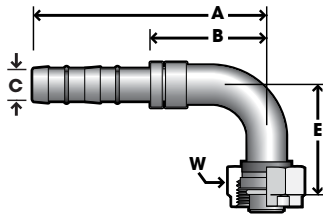
COMPRESSOR FITTINGS

90° FEMALE ROTOLOCK ELBOW



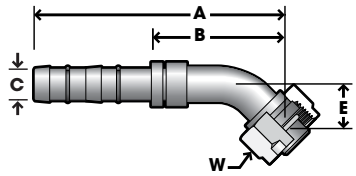
	Thread	Fitting Size	Hose Size	A	B	C	E	W
ABP N83 305262C	1" x 14	10	8	3"	1 7/16"	5/16"	13/16"	1 1/8"
ABP N83 305272C	1" x 14	10	12	3 1/8"	1 9/16"	1/2"	13/16"	1 1/8"

90° FEMALE ROTOLOCK ELBOW



	Thread	Fitting Size	Hose Size	A	B	C	E	W
ABP N83 305242C	1" x 14	10	8	3"	1 7/16"	5/16"	1 1/2"	1 1/8"
ABP N83 305256C	1" x 14	10	10	4 7/16	2 7/8	3/8	2 9/16	1 1/8
ABP N83 305252C	1" x 14	10	12	3 1/8"	1 5/8"	1/2"	1 5/8"	1 1/8"

45° FEMALE ROTOLOCK ELBOW



	Thread	Fitting Size	Hose Size	A	B	C	E	W
ABP N83 305228C	1" x 14	10	8	4"	2 3/8"	5/16"	3/4"	1 1/8"
ABP N83 305232C	1" x 14	10	12	4 1/8"	2 1/2"	1/2"	3/4"	1 1/8"

AEROQUIP® E-Z CLIP ASSEMBLY INSTRUCTIONS

Cut the Hose



Cut the hose to proper length with an appropriate cutting tool. Aeroquip's hand-held cutter (ABP N83 327982) has been specially designed for cutting all non-wire reinforced hose. Be sure the cut is made square to the hose length.

Slip Two Clips on the Hose

Slide two clips (be sure to use the correct size) onto the cut end of the hose. The orientation of the clips does not affect th performance of the connecton. However, for ease of assembly, both clips should be oriented in the same direction. NOTE: If you don't slide the clips over the hose at this time, you will have to stretch the clips over the hose and fitting later. This may permantently damage the clip.



Oil the Nipple



Lubricate the nipple with a generous amount of the refrigeration or A/C system's compressor lubricating oil. This MUST be done to lower the force of nipple insertion.



Insert the Nipple into the Hose

Insert the nipple into the hose. To ensure that the nipple is fully inserted, check the gap between the cut end of the hose and the shoulder of the nipple. Care should be taken to avoid kinking or other damage to the hose during this step. NOTE: Be sure to wipe excess oil from the nipple and hose.



Snap on the Cage

Snap the cage into the groove on the nipple. The arms of the cage should extend over the hose-covered length of nipple. When the cage has been correctly installed in the cage groove, the cage will be able to rotate in the groove. This step MUST be performed to ensure that:

1. The clips will be located over the O-Rings on the nipple.
2. The connection will be compatible with the connection's pressure rating.



Position the Clips

Slide the clips over the cage arms and into the channels on each arm of the cage.



Close the Clips

Using the Connecting Tool (ABP N83 327981) to close the clips. The tool should be positioned squarely on the clip connection points and should remain square as pressure is applied and the clip is closed.



CORRECT **INCORRECT**

The nose of the plier should be firmly seated under the assembly bump and lock latch. If the pliers are not kept square as you close the clip, the clasp may have an offset. Use the pliers to correct the clasp alignment.



INCORRECT **CORRECT**

NOTE: E-Z Clip components should not be reused.

All Aeroquip E-Z Clip Refrigerant Fitting Kits contain the fitting and all necessary cage, clips and o-rings – Use with Aeroquip hose ONLY

E-Z CLIP STARTER KIT

ABP N83 325225

AeroQuip's line of E-Z Clip fittings are easy to use, make complex installations a snap. We recommend E-Z Clip above all other fittings. To help get you started we offer a selection of the most-used fittings and the hardware to install them. We also supply 50' of hose in all four sizes supported by these starter kits.

Each starter kit includes the tool kit (part #ABP N83 327980) plus **four** of each fitting listed below.

It also includes **50'** each #6, #8, #10 and #12 hose.
#6 Hose: **ABP N83 313406**
#8 Hose: **ABP N83 313408**
#10 Hose: **ABP N83 313401**
#12 Hose: **ABP N83 313402**



Splicer – Straight			
#8	ABP N83 310708C	**#12**	ABP N83 310712C

Splicer with 134a Low Side Charge Port			
#10	ABP N83 310721C	**#12**	ABP N83 310722C

Splicer with 134a High Side Charge Port			
#8	ABP N83 310718C	**#10**	ABP N83 310731C

90° Splicer	
#12	ABP N83 310752C

90° Female O-Ring with 134a Low Side Charge Port	
#10	ABP N83 310700C

90° Female O-Ring with 134a High Side Charge Port	
#8	ABP N83 310748C

Straight Female Flare	
#8	ABP N83 310758C

Straight Female O-Ring			
#6	ABP N83 310766C	**#10**	ABP N83 310771C
#6 to **#8**	ABP N83 310776C	**#10** to **#12**	ABP N83 310781C
#8	ABP N83 310768C	**#12**	ABP N83 310762C
#8 to **#10**	ABP N83 310778C		

90° Female O-Ring			
#6	ABP N83 310796C	**#10**	ABP N83 310801C
#6 to **#8**	ABP N83 310806C	**#10** to **#12**	ABP N83 310811C
#8	ABP N83 310798C	**#12**	ABP N83 310782C
#8 to **#10**	ABP N83 310808C		

Straight Male O-Ring			
#6	ABP N83 310726C	**#10** to **#12**	ABP N83 310751C
#10	ABP N83 310741C		

90° Male O-Ring			
#6	ABP N83 310826C	**#6** to **#8**	ABP N83 310816C
#10 to **#12**	ABP N83 310821C		

"Lifesaver" Braze Nipple			
#6	ABP N83 311926C	**#10**	ABP N83 311931C
#8	ABP N83 311907C	**#12**	ABP N83 311952C

90° Elbow Compressor Fitting			
#8	ABP N83 305262C	**#12**	ABP N83 305272C

90° Elbow Compressor Fitting			
#8	ABP N83 305242C	**#12**	ABP N83 305252C

45° Elbow Compressor Fitting			
#8	ABP N83 305228C	**#12**	ABP N83 305232C

All Aeroquip E-Z Clip Refrigerant Fitting Kits contain the fitting and all necessary cage, clips and o-rings – Use with Aeroquip hose ONLY

E-Z CLIP LITE KIT

ABP N83 325230

AeroQuip's line of E-Z Clip fittings are easy to use, make complex installations a snap. We recommend E-Z Clip above all other fittings. To help get you started we offer a selection of the most-used fittings and the hardware to install them. We also supply 50' of hose in all four sizes supported by these starter kits.

Each starter kit includes:
Connecting Tool: **ABP N83 327981**
Hose Cutter & Blade: **ABP N83 327983**
plus **four** of each fitting listed below.

It also includes **50'** each #6, #8, #10 and #12 hose.
#6 Hose: **ABP N83 313406**
#8 Hose: **ABP N83 313408**
#10 Hose: **ABP N83 313401**
#12 Hose: **ABP N83 313402**



Splicer – Straight			
#8	ABP N83 310708C	**#12**	ABP N83 310712C

Splicer with 134a Low Side Charge Port			
#10	ABP N83 310721C	**#12**	ABP N83 310722C

Splicer with 134a High Side Charge Port			
#8	ABP N83 310718C	**#10**	ABP N83 310731C

90° Female O-Ring with 134a Low Side Charge	
#10	ABP N83 310700C

90° Female O-Ring with 134a High Side Charge	
#8	ABP N83 310748C

Straight Female Flare	
#8	ABP N83 310758C

Straight Female O-Ring			
#6	ABP N83 310766C	**#10**	ABP N83 310771C
#6 to #8	ABP N83 310776C	**#10 to #12**	ABP N83 310781C
#8	ABP N83 310768C	**#12**	ABP N83 310762C

90° Female O-Ring			
#6	ABP N83 310796C	**#8 to #10**	ABP N83 310808C
#6 to #8	ABP N83 310806C	**#10**	ABP N83 310801C
#8	ABP N83 310798C	**#10 to #12**	ABP N83 310811C

Straight Male O-Ring			
#6	ABP N83 310726C	**#10 to #12**	ABP N83 310751C
#10	ABP N83 310741C		

90° Male O-Ring			
#6	ABP N83 310826C	**#10 to #12**	ABP N83 310821C

"Lifesaver" Braze Nipple			
#6	ABP N83 311926C	**#10**	ABP N83 311931C
#8	ABP N83 311907C	**#10 to #12**	ABP N83 311952C

90° Elbow Compressor Fitting			
#8	ABP N83 305262C	**#12**	ABP N83 305272C

90° Elbow Compressor Fitting			
#8	ABP N83 305242C	**#12**	ABP N83 305252C

45° Elbow Compressor Fitting			
#8	ABP N83 305228C	**#12**	ABP N83 305232C

All Aeroquip E-Z Clip Refrigerant Fitting Kits contain the fitting and all necessary cage, clips and o-rings – Use with Aeroquip hose ONLY

AEROQUIP® E-Z CLIP FITTINGS & TOOLS



Use with Aeroquip® E-Z Clip Fittings ONLY

Hose Size	Length	Part No.	I.D.	Max.O.D.
#6	50 ft. box	**ABP N83 313406**	5/16"	37/64"
	560 ft. spool	**ABP N83 313446**	5/16"	37/64"
#8	50 ft. box	**ABP N83 313408**	13/32"	45/64"
	575 ft. spool	**ABP N83 313448**	13/32"	45/64"
#10	50 ft. box	**ABP N83 313401**	1/2"	25/32"
	550 ft. spool	**ABP N83 313441**	1/2"	25/32"
#12	50 ft. box	**ABP N83 313402**	5/8"	63/64"
	367 ft. spool	**ABP N83 313442**	5/8"	63/64"
#16*	250 ft. spool	**ABP N83 313442**	5/8"	63/64"

* Available in spool only

CAGES & CLIPS



Packages of 10

	CAGES	CLIPS
#6	**ABP N83 310966**	**ABP N83 310976**
#8	**ABP N83 310968**	**ABP N83 310978**
#10	**ABP N83 310961**	**ABP N83 310971**
#12	**ABP N83 310962**	**ABP N83 310972**

CAPS

Threaded protective caps — Packages of 20

	Size
ABP N83 310979	E-Z Clip Low Side Cap
ABP N83 310980	E-Z Clip High Side Cap

CONNECTING TOOL

ABP N83 327981



#6-12 Connecting Tool

ABP N83 327981



#16 Connecting Tool

HOSE CUTTER & BLADE

ABP N83 327983



Maximum hose O.D. 2"

Replacement Blades **ABP N83 327982**

AEROQUIP® E-Z CLIP FITTINGS & TOOLS

TOOL KIT

ABP N83 327980

Includes:

20 each: Clips: #6, #8, #10, #12
10 each: Cages: #6, #8, #10, #12
Connecting Tool ABP N83 327981
Hose Cutter ABP N83 327983
Replacement blade for Hose Cutter



STEEL FIELDCASE

ABP N83 327990

Includes:

100 each: Clips: #6, #8, #10, #12
50 each: Cages: #6, #8, #10, #12
50 each: O-Rings: #6, #8, #10, #12
100 each: O-Ring Nipple: #6, #8, #10, #12
Connecting Tool ABP N83 327981
Hose Cutter ABP N83 327983
2 Replacement blades for Hose Cutter



AIR LINE



Alliance P/N	Color	Dia.	Description	Length
ABP N83 313701	White	1/8"	Air Line	(50 ft.)
ABP N83 313700	Black	1/8"	Air Line	(50 ft.)
ABP N83 313703	Black	1/4"	Air Line	(50 ft.)
ABP N83 313704	White	3/16"	Air Line	(50 ft.)
ABP N83 313705	Green	3/16"	Air Line	(50 ft.)
ABP N83 313706	Red	3/16"	Air Line	(50 ft.)

DEFROST HOSE



Alliance P/N	Color	Description	Length
ABP N83 313558	2.0"	Defrost Hose	(9 ft.)
ABP N83 313559	2.5"	Defrost Hose	(9 ft.)
ABP N83 313905	3.0"	Defrost Hose	(9 ft.)
ABP N83 313560	3.5"	Defrost Hose	(9 ft.)
ABP N83 313903	4.0"	Defrost Hose	(9 ft.)

DRAIN HOSE

ABP N83 313901
7/16" drain hose
(10 ft)



HEATER HOSE

ABP N83 313308
5/8" heater hose
(50 ft.)



HOSE PROTECTION

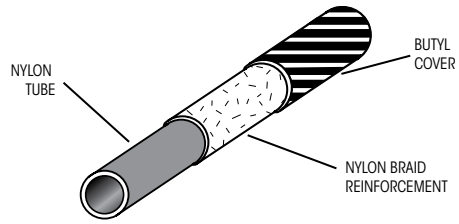
ABP N83 327530
Nylon Braided sleeve Hose Protection (8 ft)



ABP N83 327535
Spiral Hose Wrap (8 ft)

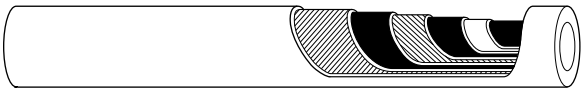


P80 HOSE SPECIFICATIONS



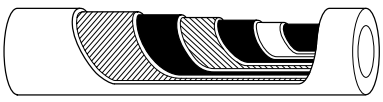
Alliance P/N	Hose I.D.		Hose O.D.		Working Pressure		Burst Pressure		Radius		Weight		
	inch	mm	inch	mm	PSI	MPa	PSI	MPa	Inch	mm	lbs/ft	kg/m	LENGTH
ABP N83 313120	5/16	8	0.62	16	500	3,5	2500	17	2	50	0.12	0,18	100 ft Box
ABP N83 313220	5/16	8	0.62	16	500	3,5	2500	17	2	50	0.12	0,18	275 ft Reel
ABP N83 313125	13/32	10	0.74	19	500	3,5	2500	17	3	75	0.12	0,22	100 ft Box
ABP N83 313225	13/32	10	0.74	19	500	3,5	2500	17	3	75	0.12	0,22	275 ft Reel
ABP N83 313130	1/2	12,5	0.86	22	500	3,5	2500	17	3.5	90	0.18	0,27	100 ft Box
ABP N83 313230	1/2	12,5	0.86	22	500	3,5	2500	17	3.5	90	0.18	0,27	275 ft Reel
ABP N83 313135	5/8	16	0.96	24	500	3,5	2500	17	4.5	115	0.21	0,31	100 ft Box
ABP N83 313235	5/8	16	0.96	24	500	3,5	2500	17	4.5	115	0.21	0,31	275 ft Reel

RED DOT REDUCED BARRIER HOSE



Alliance P/N	SAE Hose Size	I.D.	Max. O.D.	Length
ABP N83 313806	#6	5/16"	39/64"	50 ft. Box
ABP N83 313808	#8	13/32"	45/64"	50 ft. Box
ABP N83 313800	#10	1/2"	25/32"	50 ft. Box
ABP N83 313802	#12	5/8"	61/64"	50 ft. Box

RED DOT REFRIGERANT HOSE



Red Dot
Internal Nylon Barrier Hose

Alliance P/N	SAE Hose Size	I.D.	Max. O.D.	Length
ABP N83 313106	#6	5/16"	3/4"	50 ft. Box
ABP N83 313126	#6	5/16"	3/4"	825 ft. Spool
ABP N83 313118	#8	13/32"	29/32"	50 ft. Box
ABP N83 313107	#8	13/32"	29/32"	725 ft. Spool
ABP N83 313100	#10	1/2"	1"	50 ft. Box
ABP N83 313103	#10	1/2"	1"	700 ft. Spool
ABP N83 313102	#12	5/8"	1 1/8"	50 ft. Box
ABP N83 313104	#12	5/8"	1 1/8"	525 ft. Spool

NOTE: for use with push-on fittings/bead lock or "bubble style" crimp/springlock

In-Line Service Port



ABP N83 314182
#6

ABP N83 314183
#8

ABP N83 314181
#10

Steel Highside Charge Adapter

All include valve core, neoprene O-ring and threadlock



ABP N83 314495
13mm – ¼" (7/16 - 20) Threads – Blue Cap – Low Side

ABP N83 314485
16mm – ¼" (7/16 - 20) Threads – Red Cap – High Side

Charge Adapter Kit with Schrader Insert



ABP N83 325022
7/16" - 20 Female Thread
13mm R-134a Port
(permanently converts service to low side port)

7/16" - 20 Female Thread
16mm R-134a Port
(permanently converts service to high side port)

90° Compressor Port Reversed



ABP N83 314240
#12

ST GM Service Fitting with Port



ABP N83 314310
#8

ABP N83 314260
#12

Dip Stick



ABP N83 327112
Sanden Oil Dip Stick

Charge Fittings

ABP N83 325172



Lowside 134a Fitting

ABP N83 325173



Highside 134a Fitting
(for use on hard lines)

ABP N83 325174



Lowside 134a Fitting

ABP N83 325175



Highside 134a Fitting
(for use on hard lines)

90° Charge Adapters

All include valve core, neoprene O-ring and threadlock



ABP N83 314470
Lowside 90°
134A Charge Adapter
with ¼ (7/16 - 20) Thread
13mm, Blue Cap

ABP N83 314475
Highside 90°
134A Charge Adapter
with ¼ (7/16 - 20) Thread
Red Cap

COMPRESSOR O-RING FITTING

ABP N83 301013



E-Z Clip High Side Cap
20 Per Package

ABP N83 305125



#8 O-Ring to 1" x 14 O-Ring with Schrader port

ABP N83 305055



Adapter converts Rotolock to Tube O-Ring
2 Per Package

ABP N83 305010



Teflon Rotolock Compressor Gasket Seal IHC/Navistar ZGG19499
10 Per Package

ABP N83 305019



O-Ring seal fits Sanden FLK7 fitting adapters GM A6 DAG, HR6, R$, R5 compressor suction/ discharge port O-Ring
10 Per Package

ABP N83 305050



Stem cover (service valve) with neoprene seal for backseat-type compressor.
Fits CCI and Tecumseh
10 per package

ABP N83 305440



Adapter Converts Tube O-Ring to Rotolock

ABP N83 305500



CCI And Tecumseh Keyway — 10 Per Package

ABP N83 305910



Sanden Shaft Key 508⁵⁄₁₀⁷⁄₀₉ Freightliner OE#RDHRD99790
10 Per Package

ABP N83 310979



E-Z Clip Low Side Cap
20 Per Package

ABP N83 314201



16mm High Side High Flow Valve Cap with neoprene seal – Red
10 Per Package

ABP N83 314091



13mm Low side service – valve cap with neoprene seal; OE and Aftermarket type R-134a ports, Black

ABP N83 314096



Plastic Schrader Port Cap ³⁄₁₆" charge port
10 Per Package

ABP N83 314202



13mm Low Side High Flow Valve Cap with neoprene seal–Blue, R-134a port —
10 Per Package

ABP N83 314215



High side service flow valve cap – Black, Neoprene seal
25 Per Package

ABP N83 314400



Port Cap – Plastic Schrader
10 per package

ABP N83 305900



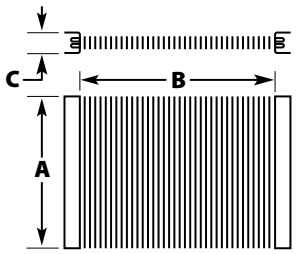
#8 Straight Female Tube-O with 134a Port
Fits Sanden "M" Heads

NOTES

HEATER CORES

13

SPECIFICATIONS



Listed in ascending order by **Height** measured along the fin x **Length** of coil is the fin segment between header plates x **Width** is the coils "thickness"

Height [1]	Length [2]	Width [3]	Inlet	Outlet	Used On Red Dot Models	Alliance P/N
4	10 3/4	1 7/8	#8 Male O-Ring	#8 Male O-Ring	R-2020	**ABP N83 315195**
4	19 1/8	1 7/8			R-9750	**ABP N83 315250**
5 1/8	15 2/3	2 7/8	#8 Male O-Ring	#8 Male O-Ring	R-8500, R-10035-0, -1, -2, -3, -4	**ABP N83 315020**
6	6	1 7/8			R-254-0, R-256, R-290-0	**ABP N83 315115**
6	6	1 7/8	3/4" O.D. Nipple	3/4" O.D. Nipple	R-254-1	**ABP N83 315120**
6	6	1 7/8			R-254-4, R-290-4	**ABP N83 315135**
6	6	3 11/32			R-7550-1	**ABP N83 315050**
6	11	2				**ABP N83 315022**
6	11	2 3/16			R-1630	**ABP N83 315620**
6	12 7/16	1 7/8			R-255-0, R-295	**ABP N83 315125**
6	12 7/16	1 7/8	3/4" O.D. Nipple	3/4" O.D. Nipple	R-255-1	**ABP N83 315130**
6	12 7/16	1 7/8			R-255-4, R-295-4	**ABP N83 315085**
6	13 1/2	1 7/8			R-8545	**ABP N83 315265**
6	15	2 5/32			R-3300	**ABP N83 315295**
6	18 5/8	3 1/4			R-9777	**ABP N83 315395**
6 7/64	16 1/2	2 11/64			R-2825	**ABP N83 315640**
6 7/64	23 13/64	1 1/2			R-3960	**ABP N83 315400**
6 7/64	23 29/64	1 1/2			R-9475	**ABP N83 315645**
7	8 1/4	2 1/2			R-5050 with Drainpan, R-8050, R-8150, R-8820	**ABP N83 315220**
7	8 1/2	2 1/2			R-8820-2	**ABP N83 315415**
7	8 1/2	2 1/2			Alliance Applications	**ABP N83 315490**
7	17 1/2	2 5/32			R-9800	**ABP N83 315430**
7 7/64	17 1/2	2 5/32			R-9737-3, R-9757	**ABP N83 315495**
7 1/2	13	1 3/4				**ABP N83 315023**
7 3/4	9 1/2	2 3/16	5/8" O.D. Nipple	3/4" O.D. Nipple	Alliance Applications	**ABP N83 315310**
7 7/8	9	1			Kenworth Applications	**ABP N83 315500**
8	5 5/8	2 1/2			R-3911	**ABP N83 315105**
8	5 5/8	2 7/8			R-4290	**ABP N83 315180**
8	5 5/8	2 7/8			R-4190, R-4290	**ABP N83 315175**
8	7 5/16	2 7/8			R-4120, R-4122, R-4160	**ABP N83 315055**
8	7 3/4	2			Alliance Applications	**ABP N83 315315**
8	7 7/8	2 7/8			R-1500	**ABP N83 315015**
8	7 7/8	2 7/8			R-4190	**ABP N83 315185**

**All heater cores have 5/8" O.D. inlet and outlet nipples unless noted.

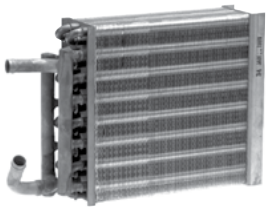
1. Height of coil is measured along the fin.
2. Length of coil is the fin segment between header plates.
3. Width is coil dimension; e.g. 4 rows of tubes is 2 1/2 inches.

SPECIFICATIONS

Listed in ascending order by **Height** x **Length** x **Width**

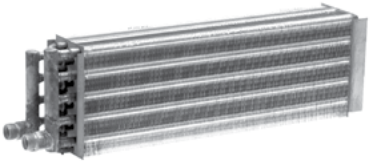
Height [1]	Length [2]	Width [3]	Inlet	Outlet	Used On Red Dot Models	Alliance P/N
8	8	2 ½			R-4130	**ABP N83 315270**
8	8	2 ½			R-4170	**ABP N83 315160**
8	8 ⅞	1 ⅞	⅝" O.D. Nipple	¾" O.D. Nipple	Alliance Applications	**ABP N83 315320**
8	9	2 ½			R-5060, R-5075, R-10170	**ABP N83 315350**
8	9	2 ½			R-4013H, R-8810	**ABP N83 315520**
8	9	2 ½			Freightliner Applications	**ABP N83 315510**
8	9	2 ⅞			R-3180	**ABP N83 315260**
8	9	3			Alliance Applications	**ABP N83 315100**
8	11 ⅛	2 ½	⅜" NPT Inlet	½" NPT Outlet	R-3040	**ABP N83 315110**
8	11 ½	1 ½			R-1550, R-1600-0, R-1600-1	**ABP N83 315515**
8	12	2 ½			R-5130	**ABP N83 315170**
8	12 11/16	1 ⅞			R-7070	**ABP N83 315210**
8	13	1 ½			R-1620, R-9510	**ABP N83 315525**
8	14 5/16	2 ½			R-6080	**ABP N83 315205**
8	14 ½	2 ½			R-5180	**ABP N83 315245**
8	14 9/16	2 ½			R-4000	**ABP N83 315095**
8	15	1 ⅞			R-4010, R-5040, R-5045, R-5075, R-10170	**ABP N83 315075**
8	17 ½	2 ¼			R-3500	**ABP N83 315530**
8	20	2 ½			R-6125	**ABP N83 315535**
8	23 29/64	1 ½			R-9787	**ABP N83 315655**
8	23 29/64	2 ⅛			R-9787	**ABP N83 315650**
8 7/64	7 29/32	2 ½			R-4230	**ABP N83 315540**
8 7/64	9 21/32	2 ½			R-3510	**ABP N83 315545**
8 7/64	15 3/64	2 3/64			R-2520	**ABP N83 315550**
8 ⅛	6 ⅜	2 ⅝			R-4020	**ABP N83 315140**
8 ⅛	13	1 ½			R-9520	**ABP N83 315555**
9 5/32	9 3/32	1 ⅞	⅝" O.D. Nipple	¾" O.D. Nipple	Alliance Applications	**ABP N83 315410**
10	9	1 ⅞			R-8220, R-8230	**ABP N83 315240**
10	9	2 ⅛			R-8720	**ABP N83 315225**
10	9	2 ½			R-5150	**ABP N83 315355**
10	10 3/16	2 5/32			R-6135, Orion 071320036, 058, 151	**ABP N83 315560**
10	10 23/32	1 ⅞			Alliance Applications	**ABP N83 315300**
10	12	2 5/32			R-2550	**ABP N83 315565**
10 5/64	11	2 ¾				**ABP N83 315605**
10 7/64	11	2 ½			R-2560	**ABP N83 315480**
10 7/64	13	2 5/32			R-9450	**ABP N83 315630**
10 7/64	17 ¾	3 13/32			R-7160, Thomas Bus	**ABP N83 315570**
12	6 ⅜	2			Freightliner Applications	**ABP N83 315615**
12	11	2 ½			R-4140	**ABP N83 315275**
12 ⅛	6 ¼	2 ¼			R-6140, Gillig model 21-42075	**ABP N83 315575**
					Heater Core - See Alliance application	**ABP N83 315030**
					Heater Core - See Alliance application	**ABP N83 315035**
						ABP N83 315021

ABP N83 315015



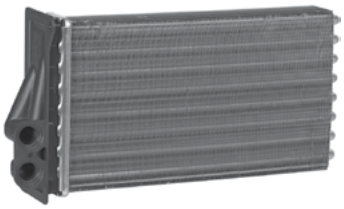
8” high x 7 ⅞” long x 2 ⅞” wide

ABP N83 315020



5 ⅛” high x 15 ⅔” long x 2 ⅞” wide
#8 Male O-Ring

ABP N83 315022



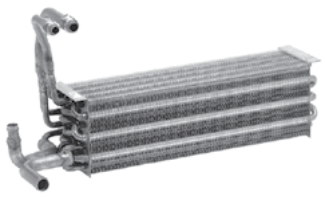
6” high x 11” long x 2″ wide

ABP N83 315023

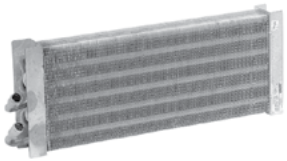


7 ½” high x 13” long x 1 ¾″ wide

ABP N83 315030



ABP N83 315035

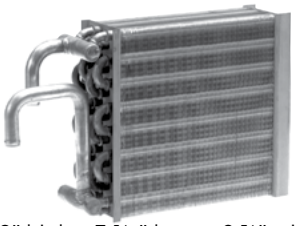


ABP N83 315050



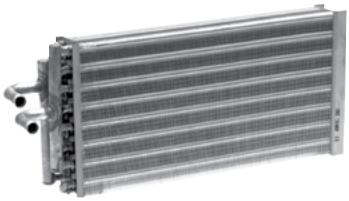
6” high x 6” long x 3 $^{11}/_{32}$” wide

ABP N83 315055



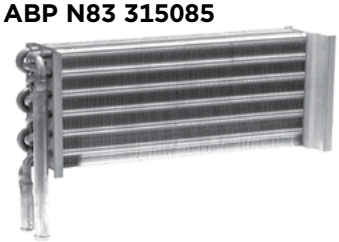
8” high x 7 $^{5}/_{16}$” long x 2 ⅞” wide

ABP N83 315075



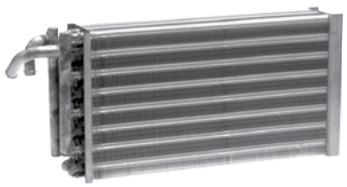
8” high x 15” long x 1 ⅞” wide

ABP N83 315085



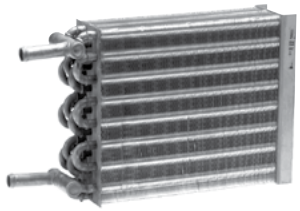
6” high x 12 $^{7}/_{16}$” long x 1 ⅞” wide

ABP N83 315095



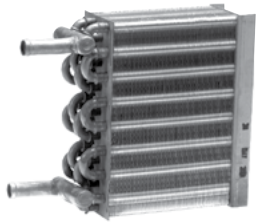
8” high x 14 $^{9}/_{16}$” long x 2 ½” wide

ABP N83 315100



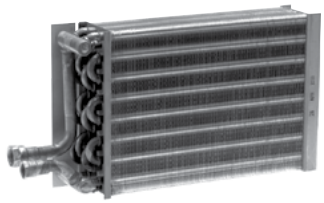
8” high x 9” long x 3” wide

ABP N83 315105



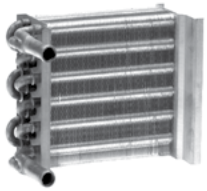
8” high x 5 ⅝” long x 2 ½” wide

ABP N83 315110



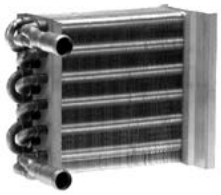
8” high x 11 ⅛” long x 2 ½” wide
⅜” NPT Inlet ½” NPT Outlet

ABP N83 315115



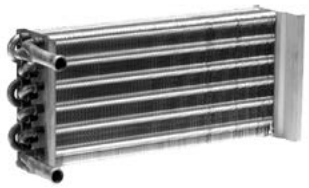
6” high x 6” long x 1 ⅞” wide

ABP N83 315120



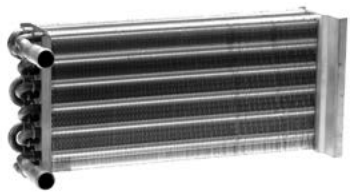
6” high x 6” long x 1 ⅞” wide
¾” O.D. Nipples

ABP N83 315125



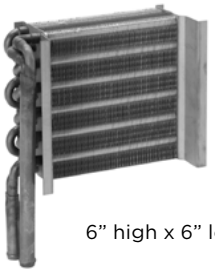
6” high x 12 7⁄16” long x 1 ⅞” wide

ABP N83 315130



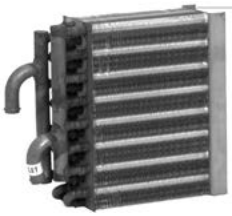
6” high x 12 7⁄16” long x 1 ⅞” wide
¾” O.D. Nipples

ABP N83 315135



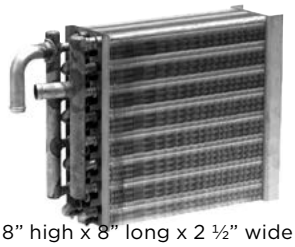
6” high x 6” long x 1 ⅞” wide

ABP N83 315140



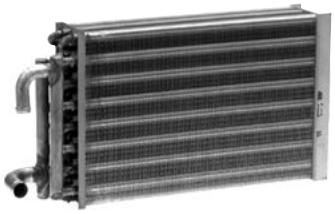
8 ⅛” high x 6 ⅜” long x 2 ⅝” wide

ABP N83 315160



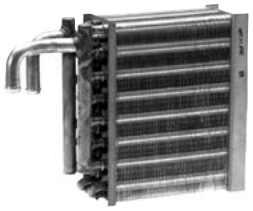
8” high x 8” long x 2 ½” wide

ABP N83 315170



8” high x 12” long x 2 ½” wide

ABP N83 315175



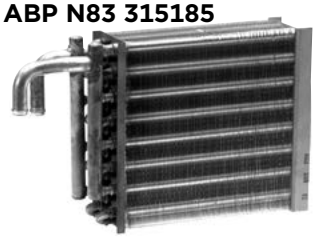
8” high x 5 ⅝” long x 2 ⅞” wide

ABP N83 315180



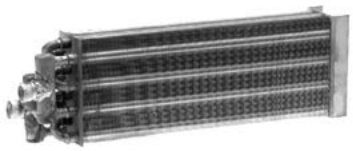
8” high x 5 ⅝” long x 2 ⅞” wide

ABP N83 315185



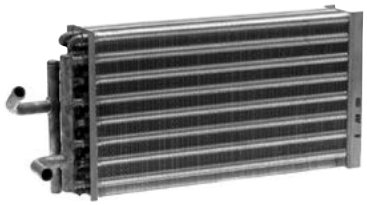
8” high x 7 ⅞” long x 2 ⅞” wide

ABP N83 315195



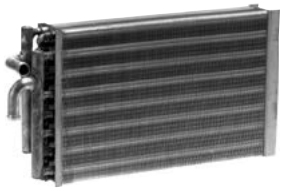
4” high x 10 ¾” long x 1 ⅞” wide
#8 Male O-Ring

ABP N83 315205



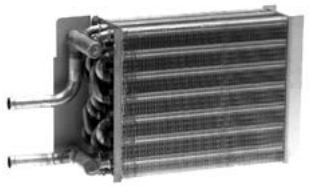
8” high x 14 5⁄16” long x 2 ½” wide

ABP N83 315210



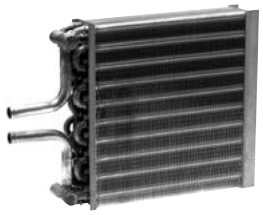
8” high x 12 11⁄16” long x 1 ⅞” wide

ABP N83 315220



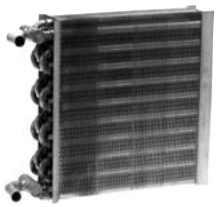
7” high x 8 ¼” long x 2 ½” wide

ABP N83 315225



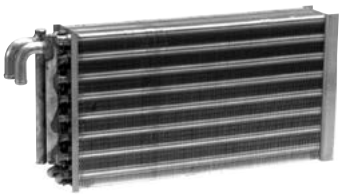
10” high x 9” long x 2 ⅛” wide

ABP N83 315240



10” high x 9” long x 1 ⅞” wide

ABP N83 315245



8” high x 14 ½” long x 2 ½” wide

ABP N83 315250



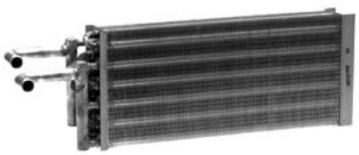
4” high x 19 ⅛” long x 1 ⅞” wide

ABP N83 315260



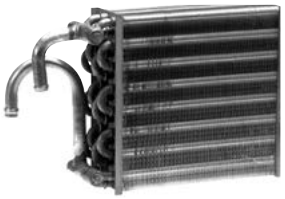
8” high x 9” long x 2 ⅞” wide

ABP N83 315265



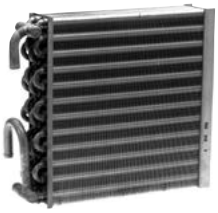
6” high x 13 ½” long x 1 ⅞” wide

ABP N83 315270



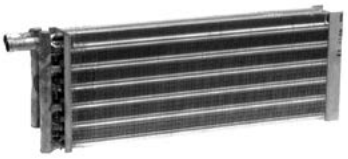
8” high x 8” long x 2 ½” wide

ABP N83 315275



12” high x 11” long x 2 ½” wide

ABP N83 315295



6” high x 15” long x 2 $\frac{5}{32}$” wide

ABP N83 315300



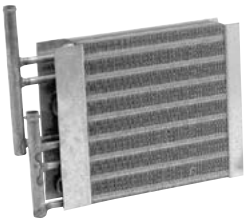
10” high x 10 $\frac{23}{32}$” long x 1 ⅞” wide

ABP N83 315310



7 ¾” high x 9 ½” long x 2 $\frac{3}{16}$” wide
⅝” Inlet, ¾” Outlet

ABP N83 315315



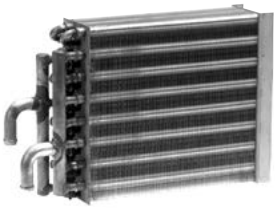
8” high x 7 ¾” long x 2” wide

ABP N83 315320



8” high x 8 ⅞” long x 1 ⅞” wide
⅝” Inlet, ¾” Outlet

ABP N83 315350



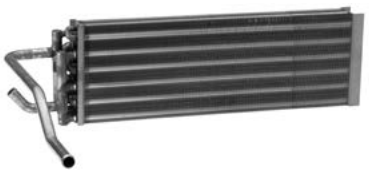
8” high x 9” long x 2 ½” wide

ABP N83 315355



10” high x 9” long x 2 ½” wide

ABP N83 315395



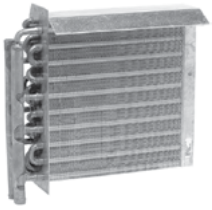
6” high x 18 ⅝” long x 3 ¼” wide

ABP N83 315400



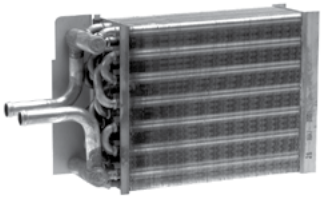
6 7/64" high x 23 13/64" long x 1 ½" wide

ABP N83 315410



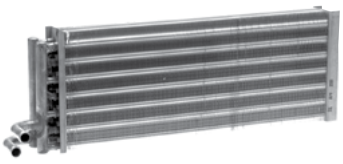
9 5/32" high x 9 3/32" long x 1 7/8" wide
5/8" Inlet, ¾" Outlet

ABP N83 315415



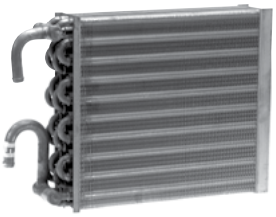
7" high x 8 ½" long x 2 ½" wide

ABP N83 315430



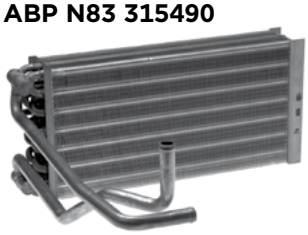
7" high x 17 ½" long x 2 5/32" wide

ABP N83 315480



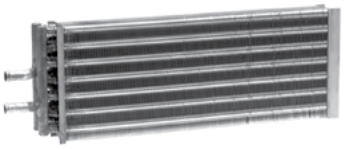
10 7/64" high x 11" long x 2 ½" wide
Western Star 60004-3403

ABP N83 315490



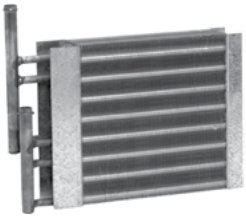
7" high x 8 ½" long x 2 ½" wide

ABP N83 315495



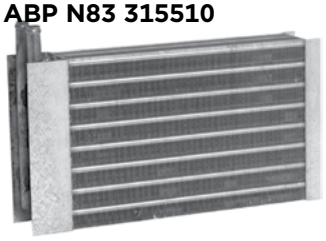
7 7/64" high x 17 ½" long x 2 5/32" wide

ABP N83 315500



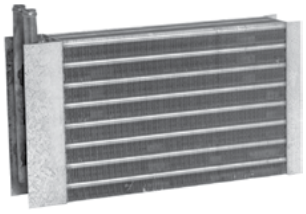
7 7/8" high x 9" long x 1" wide

ABP N83 315510



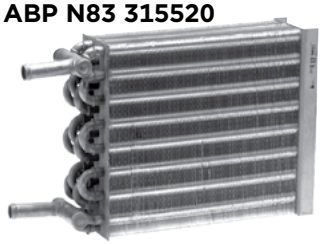
8" high x 15" long x 2 ½" wide

ABP N83 315515



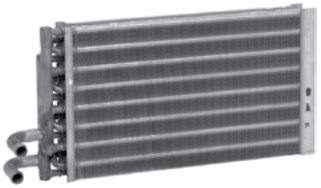
8" high x 11 ½" long x 1 ½" wide

ABP N83 315520



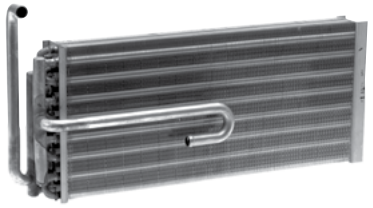
8" high x 9" long x 2 ½" wide

ABP N83 315525



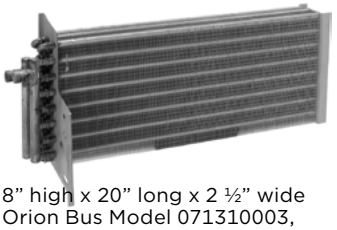
8" high x 13" long x 1 ½" wide

ABP N83 315530



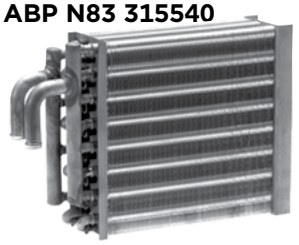
8" high x 17 ½" long x 2 ¼" wide

ABP N83 315535



8" high x 20" long x 2 ½" wide
Orion Bus Model 071310003, 071310011

ABP N83 315540



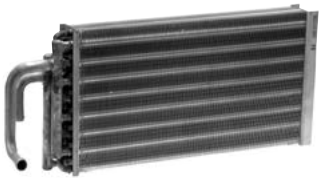
8 7/64" high x 7 29/32" long x 2 ½" wide

ABP N83 315545



8 7⁄64” high x 9 21⁄32” long x 2 ½” wide

ABP N83 315550



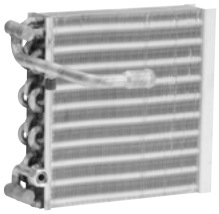
8 7⁄64” high x 15 3⁄64” long x 2 3⁄64” wide

ABP N83 315555



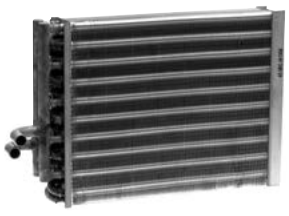
8 1⁄8” high x 13” long x 1 ½” wide

ABP N83 315560



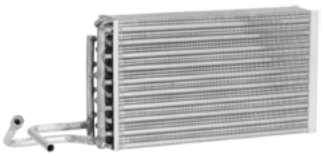
10” high x 10 3⁄16” long x 2 5⁄32” wide

ABP N83 315565



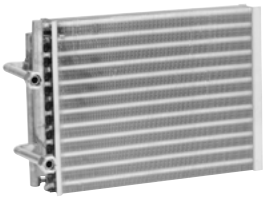
10” high x 12” long x 2 5⁄32” wide

ABP N83 315570



10 7⁄64” high x 17 3⁄4” long x 3 13⁄32” wide
Thomas, Orion Bus 071330501

ABP N83 315575



12 1⁄8” high x 6 1⁄4” long x 2 1⁄4” wide
Gillig Bus Model 21-42075

ABP N83 315605



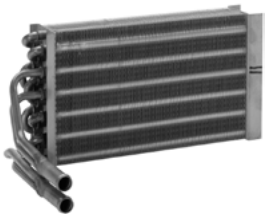
10 5⁄64” high x 11” long x 2 3⁄4” wide

ABP N83 315615



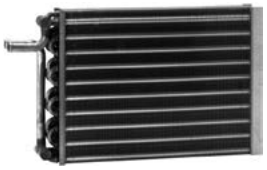
12” high x 6 3⁄8” long x 2” wide

ABP N83 315620



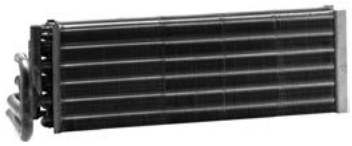
6” high x 11” long x 2 3⁄16” wide

ABP N83 315630



10 7⁄64” high x 13” long x 2 5⁄32” wide

ABP N83 315640



6 7⁄64” high x 16 ½” long x 2 11⁄64” wide

ABP N83 315645



6 7⁄64” high x 23 29⁄64” long x 1 ½” wide

ABP N83 315650



8” high x 23 29⁄64” long x 2 1⁄8” wide
High Flow Version

ABP N83 315655



8” high x 23 29⁄64” long x 1 ½” wide
Standard Version

LOUVERS 14

ALLIANCE TRUCK PARTS

ABP N83 316010



Louver 100% shut off
Dimensions: 2 ½" x 7 ½"
Fits 1 $^{11}/_{16}$" x 5 $^{11}/_{16}$" opening, clip mount

ABP N83 317001



3 ½" x 2 ¼" x 1 ⅜" deep
Opening: 3 ¼" x 1 $^{11}/_{16}$"
Pivot: ¼" diameter

ABP N83 317002



Louver fits 3 ½" x 2 ⅛" x 1 $^{1}/_{10}$" opening

ABP N83 317006



2 $^{7}/_{10}$" Mounting Hole, 4" OD

ABP N83 317010



ABP N83 317011



Snap-in Louver
fits 1 ⅜" x 5 ¾" opening

ABP N83 317013



4 ½" diffuser (Flush)

ABP N83 317014



Louver fits 1.4" x 4.4" opening

ABP N83 317015



ABP N83 317016



Fixed vane 1 ⅛" x 8 ½"

ABP N83 317017



2" diffuser (flush)

ABP N83 317020



Louver fits 2.69" x 6.50" opening – stud mount

ABP N83 317021



3 ½" diffuser, 3 ⅝" OD, 3 $^{7}/_{16}$" mounting hole

ABP N83 317022



3 ½" diffuser with base, 3 ⅝" OD, 3 $^{5}/_{16}$" mounting hole with angled base, includes spring – 100% Shutoff

ABP N83 317023 LS



Louver fits 3" x 8 ½" opening clip mount

LS = Limited to stock on hand

Defrost Hose shown in Section 11

ABP N83 317024



Louver fits 1 ¾" x 5 ⅛" hole
snap mount

ABP N83 317026



Louver fits 1 ¾" x 3 ⅝" opening
oval connection

ABP N83 317027



Louver fits 1 ⅞" x 3 ⅝"
opening - snap mount

ABP N83 317028



Louver fits 1 $^{15}/_{16}$" x 4 $^{25}/_{32}$"
opening - stud mount

ABP N83 317036



2 ½" defrost outlet assembly

ABP N83 317018



3" defrost outlet assembly

ABP N83 317019



3 ½" defrost outlet assembly

ABP N83 324085



Louver fits 1.6" x 5.1" opening
stud mount

ABP N83 316005



Ball louver with 2" hose adapter
Fits 2 ½" hole – 100% Shutoff

ABP N83 317025



Retaining ring sold separately
RD-5-4611-0P
Flush mount ball louver

ABP N83 317040



Ball louver with 2 ½" hose adapter

ABP N83 317120



Louver fits 2 ¾" x 7 ¼" opening
Snap Mount

ABP N83 317550



Louver fits 2 ¾" x 7 ¼" hole
Snap Mount
Louver Fit 3" X 7 ¼" Opening

ABP N83 317042



Oval Connection All Black
1 $^{15}/_{16}$" X 4 ¾" Opening

ABP N83 317080



5 ⅛" x 2" x 1" deep
Opening 4 ¾" x 2" x 1" deep

LS = Limited to stock on hand

Defrost Hose shown in Section 11

ABP N83 317044



Right Hand Fixed Vane Defrost Outlet

ABP N83 317045



Left Hand Fixed Vane - Defrost Outlet

ABP N83 317046



3 ¾" x .907" Louver
3 ¼" Opening

ABP N83 317047



3" Diffuser

ABP N83 317048



3" Diffuser

ABP N83 317025



Flush Mount Ball Louver* †

ABP N83 317049



2" Hose

ABP N83 317051



Fits 3" Hole – 2 ¼" Hose

ABP N83 317052



2" Hose, 3" O.D.,
2 ¼" x 2" mounting hole

ABP N83 317053



4" Diffuser

ABP N83 317054



Fits 3" Hole – 2" Hose*

ABP N83 317055



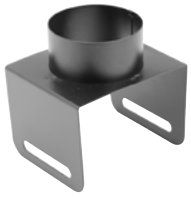
Fits 3" Hole – 2 ¼" Hose*
Inlet = 2.165"

ABP N83 317056



2 ½" Auxiliary Outlet Assembly

ABP N83 317057



3" Auxiliary Outlet Assembly

ABP N83 317059



Defrost Duct With 2 ½" Hose Adapter
Length = 20 ¼", Width = 2 ½"
Height = 3 ⅜"

* 100% shutoff
† Retaining ring sold separately

ABP N83 317061



2 ½" Flexhose "Y" Adapter

ABP N83 317062



2 ½" To 3" Flexhose Adapter

ABP N83 317063



2 ½" To 2" Flexhose Adapter

ABP N83 317064



Air Outlet Assembly for 4" Hose To Square Plate

ABP N83 317065



Air Outlet Assembly
For 3" Hose to Square Plate

ABP N83 317071



Ball Louver
With 2 ½" Hose Adapter

ABP N83 317100



Straight 2 ¼" Hose Outlet

ABP N83 317105



Louver Outlet

ABP N83 328146



3 ½" Defrost Hose Plenum

ABP N83 317560



Fits 2 ½" X 7 ½" Opening
Outside Dimension: 3" X 8"
Clip Mount Louver

ABP N83 317570



Ball Louver
With 2 ½" Hose Adapter*

ABP N83 317580



3 ½" Diffuser, 3 ⅜" OD,
3 ¼" mounting hole

ABP N83 317590



2 ½" hose

ABP N83 328142



2 ½" Outlet Adapter, 4-way Duct, fits R-2100

ABP N83 328143



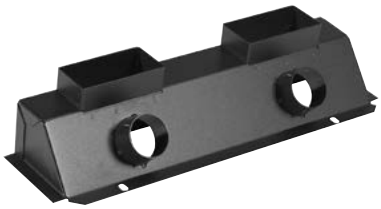
Four Louver Outlet Adapter, fits R-2100

ABP N83 328144



Louvered Plenum Assembly,
Fits R-9520

ABP N83 328145



Ductable Plenum Assembly,
Fits R-9520

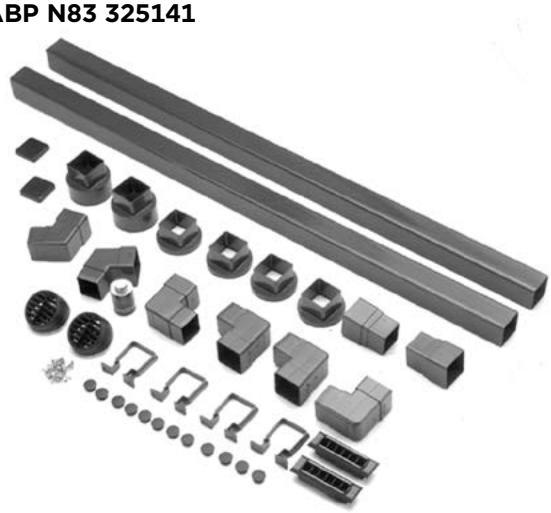
DEFROST HOSE



Alliance P/N	Diameter	Length
ABP N83 313558	2.0”	9 ft.
ABP N83 313559	2.5”	9 ft.
ABP N83 313905	3.0”	9 ft.
ABP N83 313560	3.5”	9 ft.
ABP N83 313903	4.0”	9 ft.

UNIVERSAL DUCT KIT

ABP N83 325141



PRESSURE SWITCHES

15

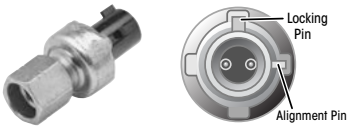
SCHRADER-TYPE SPECIFICATIONS

Listed in ascending order by open pressure

Open	Close	Fitting	Connector	Alliance P/N
NORMALLY OPEN (Opens at low pressure - closes at high pressure)				
LOW PRESSURE (± 5 psi)				
11	39	¼" Female Flare	2 conductor bare wire for 2 Packard connectors	**ABP N83 318074**
11	42	¼" Female Flare	2 conductor bare wire for 2 Packard connectors	**ABP N83 318104**
15	35	¼" Female Flare	2 conductor bullet male & female receptacle	**ABP N83 318084**
15	35	¼" Female Flare	2 conductor male Weatherpak	**ABP N83 318088**
15	35	7/16" Female Flare	2 conductor wire to male/fem. Spade plugs (white)	**ABP N83 318234**
23	47	M12 x 1.5 Female	Integral Prong connector, Packard 12052643 (beige), black port	**ABP N83 318184**
25	45	⅛" Male Thread	2 conductor integral prong connection	**ABP N83 318234**
25	45	12mm	2 Pin Cycling Switch	**ABP N83 318155**
25	46	¼" Female Flare	Integral prong connection, for Ford accumulator cycling switch	**ABP N83 318174**
25	50	¼" Female Flare	2 conductor Metripak	**ABP N83 318158**
32	42	¼" Female Flare	2 conductor bare wire for 2 Packard connectors	**ABP N83 318064**
32	42	¼" Female Flare	2 conductor Metripak	**ABP N83 318209**
32	42	¼" Female Flare	2 conductor male Weatherpak	**ABP N83 322250**
NA	NA	NA	Cycling Switch, Ford F5VY-19E561A	**ABP N83 318224**
HIGH PRESSURE (± 5 psi)				
100	250	¼" Female Flare	2 conductor female Packard boot connector	**ABP N83 318050**
170	215	¼" Female Flare	2 conductor female Weatherpak, Pckrd #20PS39-38	**ABP N83 318040**
174	260	¼" Female Flare	2 conductor male Weatherpak	**ABP N83 318190**
190	250	¼" Female Flare	2 conductor bare wire for Packard connectors	**ABP N83 318070**
190	250	M10 x 1.25 Female	2 conductor Metripak - Fan Override	**ABP N83 318240**
190	250	¼" Female Flare	2 conductor Metripak - Fan Override	**ABP N83 322255**
200	270	M10 x 1.25 Female	Integral 2 prong, #P93CAA-3606-01 - Fan Override	**ABP N83 318160**
210	300	¼" Female Flare	2 conductor male Weatherpak, IHC#1514307-C1, 20PS 3937	**ABP N83 318060**
210	300	M10 x 1.25 Female	2 conductor female Weatherpak (green)	**ABP N83 318250**
250	375	¼" Female Flare	2 conductor wire to male/female Packard plugs	**ABP N83 318200**
275	225	M10 x 1.25 female	two conductor male weatherpak	**ABP N83 318001**
NORMALLY CLOSED (Opens at high pressure - closes at low pressure)				
LOW PRESSURE (± 5 psi)				
30	7	¼" Female Flare	2 conductor wire to male/female Packard plugs	**ABP N83 318094**
35	5	M12 x 1.5 Female	Integral prong connection	**ABP N83 318108**
46	23	M12 x 1.5 Female	Integral prong connection, for Ford accumulator cycling switch	**ABP N83 318214**
	35		Alliance applications	**ABP N83 318004**
HIGH PRESSURE (± 5 psi)				
300	250	M10 x 1.25 Female	2 conductor male Weatherpak	**ABP N83 318180**
330-370	180-240	M10 x 1.25 Female	Integral prong connection, Packard #18-038535 (purple)	**ABP N83 318170**
340	210	¼" Female Flare	2 conductor bare wire for 2 Packard connectors	**ABP N83 318030**
340	210	¼" Female Flare	2 conductor male Weatherpak (red)	**ABP N83 322260**
375	205	M10 x 1.25 Female	Integral prong connection, IHC#1676787C1	**ABP N83 318118**
	250		Alliance applications	**ABP N83 318000**
	310		Alliance applications	**ABP N83 318140**

HIGH SIDE PRESSURE (SCHRADER-TYPE)

ABP N83 318000



High Side Switch
Normally Closed – Closes at 250 PSI

ABP N83 318030



High Side Switch
Normally Closed – Closes at 210 PSI – Opens at 340 PSI
Fitting Connector: ¼" Female Flare

ABP N83 318040



High Side Switch
Normally Open — Closes at 215 PSI – Opens at 170 PSI
Fitting Connector: ¼" Female Flare
2 conductor Metripak

ABP N83 318050



High Side Switch
Normally Open — Closes at 250 PSI – Opens at 100 PSI
Fitting Connector: ¼" Female Flare
2 conductor female Packard

ABP N83 318060



High Side Switch
Normally Open – Closes at 300 PSI – Opens at 210 PSI
OE# Behr BOA 80 926 00 091, IHC#1514307-C1, 20PS 3937
Fitting Connector: ¼" Female Flare
2 conductor Male Weatherpak

ABP N83 318070



High Side Switch
Normally Open – Closes at 250 PSI – Opens at 190 PSI
Fitting Connector: ¼" Female Flare

ABP N83 318118



Type: Low Side – Black
Normally Closed – Closes at 5 PSI – Opens at 35 PSI
Fitting Connector: ¼" M12 x 1.5 Female – Integral 2 prong Mating plug: Packard 2 prong round receptacle

ABP N83 318140



High Side Switch
Normally Closed – Closes at 310 PSI

ABP N83 318160



Fan Override (Highside) – Gray
Normally Open – Closes at 270 PSI – Opens at 200 PSI
OE# P93CCA-3606-01
Fitting Connector: M10 x 1.25 Female Integral 2 prong
Mating plug: Packard 12052643 2 prong oval

ABP N83 318170*



High Side Switch
Normally Closed
Closes at 330-370 PSI – Opens at 180-240 PSI
Fitting Connector: M10 x 1.25 Female Integral 2 prong
Mating plug: Packard 12052643 (2 prong oval)

HIGH SIDE PRESSURE (SCHRADER-TYPE)

ABP N83 318180*



High Side Switch
Normally Closed – Closes at 250 PSI – Opens at 300 PSI
Freightliner OE# A22-45194-001
Fitting Connector: M10 x 1.25 Female
2 conductor Male Weatherpak

ABP N83 318190



High Side Switch
Normally Open –Closes at 260 PSI – Opens at 174 PSI
Fitting Connector: ¼" Female Flare
2 conductor Male Weatherpak

ABP N83 318200



High Side Switch
Normally Open –Closes at 375 PSI – Opens at 250 PSI
Fitting Connector: ¼" Female Flare
2 conductor Packard Male/Female

ABP N83 318240



Type: High Side – Fan Override Switch
Normally Open – Closes at 250 PSI – Opens at 190 PSI
Fitting Connector: M10 x 1.25 Female
2 conductor Metripak

ABP N83 322255



Fan Override (Highside) –
Normally Open – Closes at 250 PSI – Opens at 190 PSI
Fitting Connector: ¼" Female Flare
2 conductor Metripak

ABP N83 318250



Type: High Side – Green
Normally Open – Closes at 300 PSI – Opens at 210 PSI
Fitting Connector: M10 x 1.25 Female
2 conductor male Weatherpak

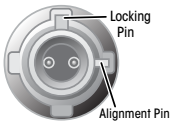
ABP N83 322260



Type: High Side – Red
Normally Closed – Closes at 210 PSI – Opens at 340 PSI
Fitting Connector: ¼" Female Flare
2 conductor male Weatherpak

LOW SIDE PRESSURE (SCHRADER-TYPE)

ABP N83 318004

Low Side Switch
Normally Closed
Closes at 35 PSI

ABP N83 318064



Low Side Switch
Normally Open
Closes at 42 PSI – Opens at Pressure Drop of 32
Fitting Connector: ¼" Female Flare

ABP N83 318074



Low Side Switch
Normally Open – Closes at 39 PSI – Opens at 11 PSI
Fitting Connector: ¼" Female Flare

ABP N83 318084



Low Side Switch
Normally Open –Closes at 35 PSI – Opens at 15 PSI
Fitting Connector: ¼" Female Flare
Male Bullet, Female Recepticle

ABP N83 318088



Type: Low Side –
Normally Open – Closes at 35 PSI – Opens at 15 PSI
Fitting Connector: ¼" Female Flare
2 conductor Male Weatherpak

ABP N83 318094



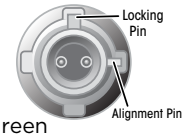
Low Side Switch
Normally Closed – Closes at 7 PSI – Opens at 30 PSI
Fitting Connector: ¼" Female Flare
2 conductor Packard Male/Female

ABP N83 318104



Low Side Switch
Normally Open –Closes at 42 PSI – Opens at 11 PSI
Fitting Connector: ¼" Female Flare

ABP N83 318118

Type: High Side – Green
Normally Closed
Closes at 205 PSI – Opens at 375 PSI
OE#IHC1676787C1
Fitting Connector:
M10 x 1.25 Female Integral 2 prong (round)
Mating plug: Packard 2 prong round receptacle

ABP N83 318158



Type: Low Side
Normally Open – Closes at 50 PSI – Opens at 25 PSI
Fitting Connector: ¼" Female Flare
2 conductor Weatherpak

ABP N83 318174



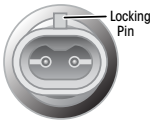
Low Side Switch – Ford Accumulator Cycling
Normally Open –Closes at 46 PSI – Opens at 25 PSI
Switch #E35H19E561AA
Fitting Connector: ¼" Female Flare

* 10M x 1.25 Threads
** 12M x 1.5 Threads

LOW SIDE PRESSURE (SCHRADER TYPE)

ABP N83 318184**





Low Side Switch – Beige Housing, Black Port
Normally Open –Closes at 47 PSI – Opens at 23 PSI
Peterbilt OE# 18-03824, 18-04331, P93CAA-3604-1
Fitting Connector: M10 x 1.25 Female – Integral 2 prong
P93CAA-3606-01
Mating plug: Packard 12052643 (2 prong oval)

ABP N83 318209



Type: Low Side –
Normally Open – Closes at 42 PSI – Opens at 32 PSI
Fitting Connector: ¼" Female Flare
2 conductor Weatherpak

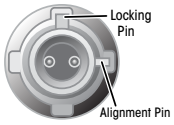
ABP N83 318214



Type: High Side – Ford Accumulator Cycling Switch
Normally Closed – Closes at 23 PSI – Opens at 46 PSI
Fitting Connector: M12 X 1.5 Female

ABP N83 318224

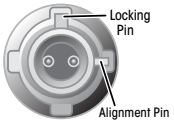




Type: Low Side –
Normally Open – Cycling Switch – Ford F5VY-19E561A
Fitting Connector: ¼" Female Flare– Integral 2 prong
Mating plug: Packard 2 prong round receptacle

ABP N83 318234





Type: Low Side –
Normally Open – Closes at 45 PSI – Opens at 25 PSI
Ford OE# F6RZ-19E561AA
Fitting Connector: ⅛" Male Flare– Integral 2 prong
Mating plug:
2 conductor integral prong round connection

ABP N83 322250



Type: Low Side
Normally Open –Closes at 42 PSI – Opens at 32 PSI
Fitting Connector: ¼" Female Flare
2 conductor Male Weatherpak

ABP N83 318017



Brown
OE# 3546241C1
Fitting Connector: M10, Three-pin

FAN OVERRIDE (HIGH SIDE) (SCHRADER-TYPE)

ABP N83 318001



Type: High Side
Normally Closed – Closes at 225 PSI – Opens at 275 PSI
Fitting Connector: M10 x 1.25 female
2 conductor male Weatherpak

ABP N83 318160*



Fan Override (High Side) Switch
Normally Open –Closes at 270 PSI – Opens at 200 PSI
Fitting Connector: M10 x 1.25 Female – Integral 2 prong
Mating plug: Packard 12052643 (2 prong oval)

ABP N83 322255



Fan Override (High Side) Switch
Normally Open –Closes at 250 PSI – Opens at 190 PSI
Fitting Connector: ¼" Female Flare – 2 conductor
Metripak

FREON SENSOR

ABP N83 322671



OE# 3622764C3
Fitting Connector: M12 Thread

CONTROL MODULE REPLACEMENTS

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Connector	Function	Set point
20357741	**ABP N83 318602**	10 pin	AC Control APAds	CM-814 30 Sec. Volvo
20579810	**ABP N83 318602**	10 pin	AC Control APAds	CM-814 30 sec Volvo
20579815	**ABP N83 318604**	10 pin	AC Control APAds	CM-814 Std Volvo
228RD31	**ABP N83 318638**	Deutsch (2)	AC Control APAds	CM-813 ECM
228RD32	**ABP N83 318628**	Deutsch (2)	AC Control APAds	CM-813 ECM Mack
228RD33	**ABP N83 318618**	Deutsch (2)	AC Control APAds	CM-812 Visc-DD-AM
3099497	**ABP N83 318606**	Deutsch (2)	AC Control APAds	CM-812 Visc-DD-AM
3939313	**ABP N83 318678**	Deutsch (2)	AC Control APAds	CM-813 ECM Volvo
3939314	**ABP N83 318610**	Deutsch (2)	AC Control APAds	CM-813 Std Volvo
3939315	**ABP N83 318648**	Deutsch (2)	AC Control APAds	CM-813 30 Sec Volvo
8042103	**ABP N83 318208**	Deutsch (2)	AC Control APAds	CM-813 Std 3 min. Fan
8042105	**ABP N83 318638**	Deutsch (2)	AC Control APAds	CM-813 ECM
8042106	**ABP N83 318610**	Deutsch (2)	AC Control APAds	CM-813 Std Volvo
8042107	**ABP N83 318678**	Deutsch (2)	AC Control APAds	CM-813 ECM Volvo
8042108	**ABP N83 318648**	Deutsch (2)	AC Control APAds	CM-813 30 Sec.Volvo
8042114	**ABP N83 318606**	Deutsch (2)	AC Control APAds	CM-812 Visc-DD-AM
8042121	**ABP N83 318628**	Deutsch (2)	AC Control APAds	CM-813 ECM Mack
8042124	**ABP N83 318618**	Deutsch (2)	AC Control APAds	CM-812 Visc-DD-AM
8042133	**ABP N83 318602**	10 pin	AC Control APAds	CM-814 30 Sec.Volvo
8042156	**ABP N83 318604**	10 pin	AC Control APAds	CM-814 Std Volvo
8042157	**ABP N83 318602**	10 pin	AC Control APAds	CM-814 30 Sec.Volvo

ABP N83 318602



OEM No. 20357741, 20579810, 8042133, 8042157

ABP N83 318606



OEM No. 3099497, 8042114

ABP N83 318604



OEM No. 20579815, 8042156

ABP N83 318608



OEM No. 8042103 – Cummins, Caterpillar Engine Applications

CONTROL MODULE REPLACEMENTS

ABP N83 318610



OEM No. 3939314, 8042106

ABP N83 318618



OEM No 228RD33, 8042124

ABP N83 318628



OEM No 228RD32, 8042121

ABP N83 318638



OEM No 228RD31, 804105 – Detroit Series 60 Engines

ABP N83 318648



OEM No 3939315, 8042108

ABP N83 318678



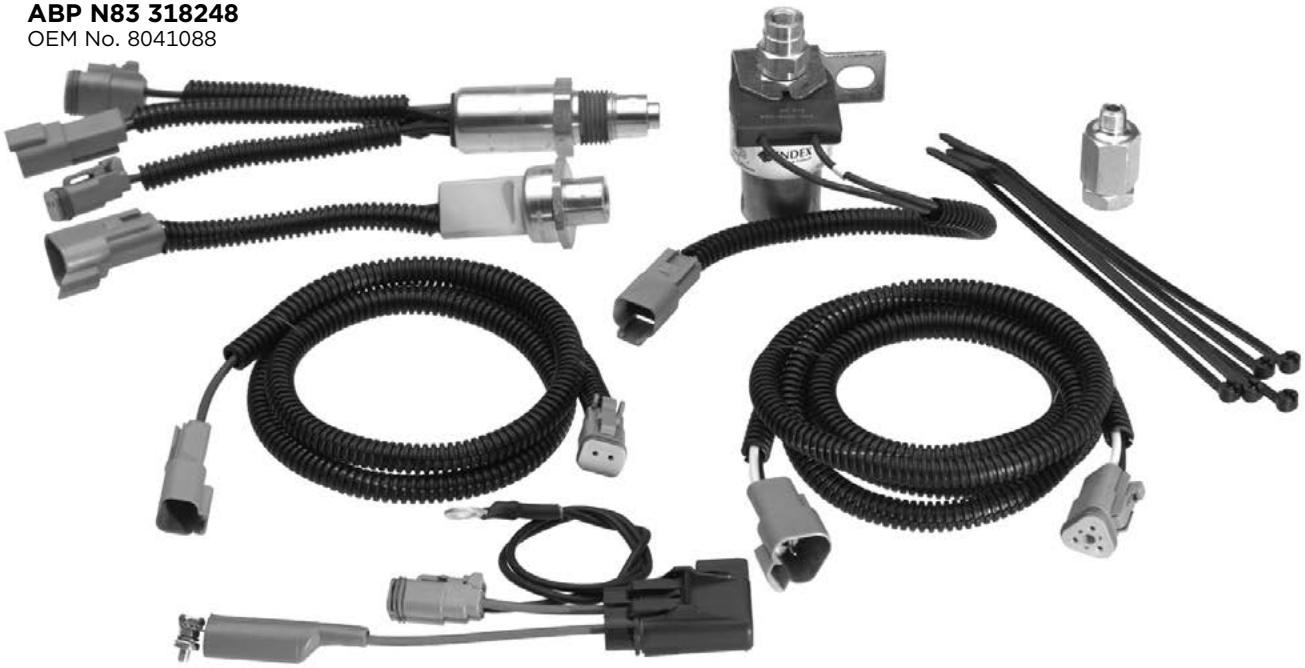
OEM No 3939313, 8042107

PRESSURE SWITCH HARNESS EXTENSIONS

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Thread Type / Function
8041087	**ABP N83 318249**	Kit Fan Control T-200 NO P-275 NC
8041088	**ABP N83 318248**	Kit Fan Control T-200 NO P-275 NC / Solenoid

ABP N83 318248
OEM No. 8041088



ABP N83 318249
OEM No. 8041087



PRESSURE SWITCH REPLACEMENTS

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
1622648C91	**ABP N83 318198**	Weatherpack	¼" Female Schrader	NC	275 psi ***	40 psi ***	7 amps	4 amps
1699309C1	**ABP N83 318848**	Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
1MR2451	**ABP N83 318818**	Metripack 280	¼" Female Schrader	NC	325-310 psi ***	75 psi ***	7 amps	4 amps
1MR2456	**ABP N83 318728**	Metripack	¼" Female Schrader	NC	280-295 psi	70 psi min.	7 amps	4 amps
1MR2462	**ABP N83 318788**	Metripack	M12 Female Schrader					
1MR3475M	**ABP N83 318858**	Metripack	M12 Female Schrader	NC	034 psi **	26 psi *	7 amps	4 amps
1MR3561	**ABP N83 318768**	Metripack	M12 Female Schrader	NO	34 psi **	26 psi *	7 amps	4 amps
1MR3562	**ABP N83 318798**	Metripack 280	M10 Female Schrader	NC	335 psi §	100 psi	7 amps	4 amps
1MR3571	**ABP N83 318718**	Closed, Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
1MR3572	**ABP N83 318748**	Closed, Metripack	M12 Female Schrader	NC	34 psi **	24 psi *	7 amps	4 amps
20437760	**ABP N83 318858**	Metripack	M12 Female Schrader	NC	034 psi **	26 psi *	7 amps	4 amps
3934379	**ABP N83 318869**	Deutsch	M10 Female Schrader	NC	275 psi ***	40 psi ***	7 amps	4 amps
3939317	**ABP N83 318848**	Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
3948741	**ABP N83 318908**	Weatherpack	¼" NPTF external	NC	014 psi max	6 psi †	7 amps	4 amps
3948742	**ABP N83 318918**	Weatherpack	¼" NPTF external	NC	018 psi max	8 psi ††	7 amps	4 amps
3948743	**ABP N83 318048**	Weatherpack	¼" Female Flare	NC	310-330 psi	100-90 psi ***	7 amps	4 amps
3948747	**ABP N83 318868**	Metripack 280	M10 Female Schrader	NC	325 psi ***	50 psi ***	7 amps	4 amps
3948749	**ABP N83 318888**	Metripack 280	M10 Female Schrader	NO	040 psi **	8 psi **	7 amps	4 amps
3949288	**ABP N83 318848**	Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
3949500	**ABP N83 318898**	Deutsch	M10 Female Schrader	NC	275 psi ***	40 psi ***	7 amps	4 amps
3949501	**ABP N83 318928**	Weatherpack	¼" Female Schrader	NC	275 psi ***	40 psi ***	7 amps	4 amps
3966805	**ABP N83 318828**	Metripack	M12 Female Scrader	NC	034 psi **	26 psi *	7 amps	4 amps
8025565	**ABP N83 318138**	Metripack 280	M12 Female Scrader	NO	034 psi **	24 psi *	7 amps	4 amps
8040082	**ABP N83 318228**	Deutsch	¼" Female Flare	Closed	275 psi ***	40 psi ***	7 amps	4 amps
8040088	**ABP N83 318778**	Deutsch	M10 Female Schrader	Closed	300 psi ***	35 psi ***	7 amps	4 amps
8040114	**ABP N83 318908**	Weatherpack	¼" NPTF external	NC	014 psi max	7 psi †	7 amps	4 amps
8040135	**ABP N83 318718**	Metripack 280	M10 Female Schrader	Closed	300 psi ***	40 psi ***	7 amps	4 amps
8040136	**ABP N83 318748**	Metripack	M12 Female Schrader	NC	034 psi **	24 psi **	7 amps	4 amps
8040147	**ABP N83 318848**	Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
8040161	**ABP N83 318828**	Metripack 280	M12 Female Schrader	NC	034 psi **	26 psi *	7 amps	4 amps
8040189	**ABP N83 318858**	Metripack 280	M12 Female Schrader	NC	034 psi **	26 psi *	7 amps	4 amps
8040202	**ABP N83 318138**	Metripack 280	M12 Female Schrader	NO	034 psi **	24 psi *	7 amps	4 amps
8040204	**ABP N83 318228**	Weatherpack	¼" Female Schrader	NO	034 psi **	26 psi *	7 amps	4 amps
8040207	**ABP N83 318768**	Metripack	M12 Female Schrader	NO	034 psi **	26 psi *	7 amps	4 amps
8040217	**ABP N83 318888**	Metripack 280	M10 Female Schrader	NO	040 psi **	8 psi **	7 amps	4 amps
8040222P	**ABP N83 318908**	Weatherpack	¼" NPTF external	NC	014 psi max	7 psi †	7 amps	4 amps
8040223	**ABP N83 318918**	Weatherpack	¼" NPTF external	NC	018 psi max	8 psi **	7 amps	4 amps
8040225	**ABP N83 318048**	Weatherpack	¼" Female Flare	NC	310-330 psi	100-90 psi ***	7 amps	4 amps
8040226	**ABP N83 318818**	Metripack 280	¼" Female Schrader	NC	325-310 psi ***	75 psi ***	7 amps	4 amps
8040229	**ABP N83 318798**	Metripack 280	M10 Female Schrader	NC	335 psi ***	20 psi ***	7 amps	4 amps

† +/- 1.5 psi †† +/- 2 psi * +/- 3 psi ** +/- 4 psi *** +/- 10 psi § +/- 15 psi §§ +/- 20 psi

PRESSURE SWITCH REPLACEMENTS

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
8040230	**ABP N83 318728**	Metripack	¼" Female Schrader	NC	280-295 psi	70 psi min.	7 amps	4 amps
8040232	**ABP N83 318198**	Weatherpack	¼" Female Schader	NC	275 psi ***	40 psi ***	7 amps	4 amps
8040233	**ABP N83 318668**							
8040236	**ABP N83 318728**	Metripack	¼" Female Schrader	NC	280-295 psi	70 psi min.	7 amps	4 amps
8040240	**ABP N83 318868**	Metripack 280	M10 Female Schrader	NC	325 psi ***	50 psi ***	7 amps	4 amps
8040242	**ABP N83 318898**	Deutsch	M10 Female Schrader	NC	275 psi ***	40 psi ***	7 amps	4 amps
8040243	**ABP N83 318928**	Weatherpack	¼" Female Schader	NC	275 psi ***	235 psi ***	7 amps	4 amps
8040279	**ABP N83 318848**	Metripack 280	M10 Female Schrader	NC	300 psi ***	40 psi ***	7 amps	4 amps
8040281	**ABP N83 318768**	Metripack	M12 Female Schrader	NO	034 psi **	26 psi *	7 amps	4 amps
8040304	**ABP N83 318858**	Metripack 280	M12 Females Schrader	NC	034 psi ***	005 psi max	7 amps	4 amps
8040316	**ABP N83 318818**	Metripack 280	¼ " Female Schrader	NC	335 psi §	245 psi §§	7 amps	4 amps
83948743	**ABP N83 318928**	Weatherpack	¼" Female Schrader	NC	275 psi ***	235 psi ***	7 amps	4 amps

† +/- 1.5 psi †† +/- 2 psi * +/- 3 psi ** +/- 4 psi *** +/- 10 psi § +/- 15 psi §§ +/- 20 psi

ABP N83 318048



OEM No. 3948743, 8040225

ABP N83 318138



Volvo OEM No. 8025565, 8040202

ABP N83 318198



OEM No. 1622648C91, 8040232

ABP N83 318228



OEM No. 8040082, 8040204

ABP N83 318718



OEM No 1MR3571, 8040135

ABP N83 318728



OEM No 1MR2456, 8040230, 8040236, 8040243

ABP N83 318037



OEM No 8040177

ABP N83 318738



PRESSURE SWITCH REPLACEMENTS

ABP N83 318041



OEM No 8040176

ABP N83 318748



OEM No 1MR3572, 3966805, 8040136

ABP N83 318768



OEM No 1MR3561, 8040207, 8040281

ABP N83 318778



OEM No. 8040088

ABP N83 318788



OEM No 1MR2462

ABP N83 318798



OEM No 1MR3562, 8040229

ABP N83 318818



OEM No 1MR2451, 8040226, 8040316

ABP N83 318828



OEM No 3966805, 8040161

ABP N83 318848



Normally closed. Opens 300psi, closes 260psi
OEM No 1699309C1, 3939317, 3949288, 8040147, 8040279

ABP N83 318858



OEM No 1MR3475M, 20437760, 8040189, 8040304

ABP N83 318868



OEM No 3948747, 8040240

ABP N83 318888



OEM No 3948749, 8040217

ABP N84 318898



OEM No. 3949500, 8040242

ABP N83 318908



OEM No 3948741, 8040114, 8040222P

PRESSURE SWITCH REPLACEMENTS

ABP N83 318918



OEM No. 3948742, 8040223

ABP N83 318928



OEM No 3949501, 8040243, 83948743

ABP N83 318958



OEM No 8040277

CONVERSION KIT

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Connection / Function
3919193	**ABP N83 318708**	Kit Conversion SC-3 to TE-743
3919194	**ABP N83 318278**	Kit Conversion TE-803 to TE-742
8041114	**ABP N83 318278**	Kit Conversion TE-803 to TE-742
8041115P	**ABP N83 318708**	Kit Conversion ISC-3 to TE-743

ABP N83 318708
OEM NO.3919193, 8041115P



ABP N83 318278
OEM No. 3919194, 8041114



TEMPERATURE CONTROL REPLACEMENTS

Sorted by **OEM Number**

OEM P/N	Alliance P/N	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
3134059*	**ABP N83 318997**	Single Post	½" NPTF	Open	220º F	10º F	1 amp	.5 amps
3918038	**ABP N83 318612**	2 Terminal	½" NPTF	Open	205º F	5 - 9º F	7 amp	4 amps
3918479*	**ABP N83 318188**	Single Post	½" NPTF	Open	215º F	10º F	1 amp	.5 amps
3946910	**ABP N83 318238**	3 Terminal	½" NPTF	Open/Closed	185º F	5 - 9º F	7 amp	4 amps
3946911	**ABP N83 318987**	3 Terminal	½" NPTF	Open/Closed	190º F	5 - 9º F	7 amp	4 amps
3946914	**ABP N83 318927**	3 Terminal	½" NPTF	Open/Closed	205º F	5 - 9º F	7 amp	4 amps
8037030	**ABP N83 318977**	2 Terminal	½" NPTF	Open	200º F	5 - 9º F	7 amp	4 amps
8037034	**ABP N83 318612**	2 Terminal	½" NPTF	Open	205º F	5 - 9º F	7 amp	4 amps
8037045	**ABP N83 318238**	3 Terminal	½" NPTF	Open/Closed	185º F	5 - 9º F	7 amp	4 amps
8037048	**ABP N83 318987**	3 Terminal	½" NPTF	Open/Closed	190º F	5 - 9º F	7 amp	4 amps
8037055	**ABP N83 318927**	3 Terminal	½" NPTF	Open/Closed	205º F	5 - 9º F	7 amp	4 amps
8039019*	**ABP N83 318188**	Single Post	½" NPTF	Open	215º F	10º F	1 amp	.5 amps
8039023*	**ABP N83 318997**	Single Post	½" NPTF	Open	220º F	10º F	1 amp	.5 amps
8167882	**ABP N83 318977**	2 Terminal	½" NPTF	Open	200º F	5 - 9º F	7 amp	4 amps

* Includes Case Ground (single post) Temperature Switches

ABP N83 318188



OEM No. 3918479,
8039019
Case Ground

ABP N83 318612



OEM No. 3918038,
8037034

ABP N83 318977



OEM No. 8037030,
8167882

ABP N83 318997



OEM No. 3134059,
8039023
Case Ground

ABP N83 318238



OEM No. 3946910,
8037045

ABP N83 318927



OEM No. 3946914,
8037055

ABP N83 318987



OEM No. 3946911,
8037048

Terminology

Function

Open: Normally Open; switch contacts are open (not conducting) at room temperature.
Closed: Normally Closed; switch contacts are closed (conducting) at room temperature.
Open/Closed: Can be connected either Normally Open or Normally Closed (part has three terminals or wires).

Set Point

Rising temperature at which switch actuates (in degrees Fahrenheit).

Set Point Tolerance

± 2.5˚F for set points to 220˚.
± 5˚ F for set points 225˚ and above.

Differential

Number of degrees below the set point that the switch resets to normal state in response to falling temperature.
5˚ to 10˚F below set point up to 220˚F.
15˚F maximum for 225˚F and above.

TEMPERATURE FAN TIMER

Includes Electronic Switches — Sorted by **OEM Number**

OEM No.	ALLIANCE P/N	Connector	Thread Type	Function	Set point	Differential	Resistive	Inductive
3940177	**ABP N83 318948**	Deutsch	½′ NPTF	NC	195º +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942759	**ABP N83 318937**	Metripack	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942809	**ABP N83 318957**	Deutsch	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	
3942917	**ABP N83 318967**	Deutsch	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036165	**ABP N83 318948**	Deutsch	½″ NPTF	NC	195º +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036167	**ABP N83 318937**	Metripack	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036168	**ABP N83 318967**	Deutsch	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	
8036169	**ABP N83 318957**	Deutsch	½″ NPTF	NC	205º +/- 1.5 F	7 +/- 1.5 F	2 amps	

ABP N83 318937



OEM No. 3942759, 8036167

ABP N83 318948



OEM No. 3940177, 8036165

ABP N83 318957



OEM No. 3942809, 8036169

ABP N83 318967



OEM No. 3942917, 8036168

LOW PRESSURE CUTOFF SWITCH



ABP N83 318014
⅜"-24-UNF-2A male threads O-Ring.
Normally open – closes at 27 PSIG.

HEAT SENSING SWITCH



ABP N83 322270
High temperature safety switch opens at 200°F
NOTE: Switch clamps to ⅜" tube.

DUAL FUNCTION



ABP N83 318178

	OPEN	CLOSE
LOW	20-33	23-37
HIGH	315-355	215-275



ABP N83 318109
7/16 - 20 Thread

	OPEN	CLOSE
LOW	20	30
HIGH	384	57-114

Thread: 7/16" – 20 UNF
OE#22-36474

ABP N83 318099

	OPEN	CLOSE
LOW	455	30
HIGH	28	370

Thread: M10 x 1.25
OE#22-43249

BINARY PRESSURE SWITCHES

This switch assembly performs two distinct functions. The first function prevents the compressor from operating if system charge is lost or ambient temperature is too low. The second stops compressor if head pressure increases to unsafe levels. It automatically resets when pressure drops back to normal. Install Binary™ on liquid side of A/C system between condenser and expansion valve, for use with R-12 and R-134a.

	OPENS	CLOSES
LOW PRESSURE PROTECTION	30 – 15 PSIG (falling pressure)	40 PSIG maximum (rising pressure)
HIGH PRESSURE PROTECTION	270 – 330 PSIG (Rising pressure)	80 – 120 PSIG below (opening pressure)

ABP N83 318079



⅜-24 UNF-2A male thread with bulkhead type seal using a 2-012 O-Ring

ABP N83 318089



7/16-20 UNF-2B female thread for installation on male Schrader type valve

BINARY™

E/C Connection end of BINARY™



Terminals 1 & 2
Controls Clutch High/Low Pressure Protection
Terminal 1:
To compressor clutch “compressor” black wire
Terminal 2:
To thermostat “AC/Thermostat” black/white wire

ELECTRICAL

7 Amp Resistive
4 Amp Inductive
28 Volt D.C. Maximum
2.50 Series Male Tab Terminals

RED DOT BINARY™ HARNESS

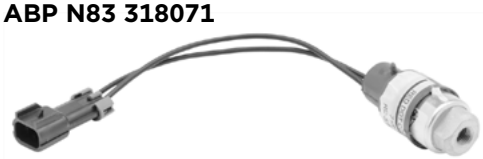
ABP N83 318189



Red Dot Binary™ boot (provides a molded 2 wire connection to Binary switch; lead wires are 28” long). Helps eliminate terminal corrosion and breakage.

RED DOT BINARY™ & HARNESS ASSEMBLY

ABP N83 318071



Includes ABP N83 318089 Binary™ Switch above with a 2-conductor wire fitted with a two-contact Metripak connector

TRINARY™ PRESSURE SWITCHES – GENERATION II

This switch assembly performs three distinct functions. The first function prevents the compressor from operating if system charge is lost or ambient temperature is too low. The second stops compressor if head pressure increases to unsafe levels. It automatically resets when pressure drops back to normal. The third function is a shutter/fan override switch that keeps head pressure within normal range by opening shutters or operating engine fan to increase air flow across condenser when head pressure rises above set valve. Install Trinary on liquid side of A/C system between condenser and expansion valve. For use with R-12 and R-134a

	OPENS	CLOSES
LOW PRESSURE PROTECTION	22.5 ± 7.5 PSIG (descending pressure)	40 PSIG maximum (rising pressure)
HIGH PRESSURE PROTECTION	325 ± 25 PSIG	230 ± 20 PSIG
SHUTTER FAN/OVERRIDE BELOW CLOSING PRESSURE	35 - 60 PSIG (rising pressure)	200 - 230 PSIG

ABP N83 318149



7/16-20 UNF-2B female thread for installation on male Schrader-type valve
Shutter/fan switch is normally open

ABP N83 322303



7/16-20 UNF-2B female thread for installation on male Schrader-type valve
Shutter/fan switch is normally closed

ABP N83 322175



3/8-24 UNF-2A male thread with bulkhead type seal using a 2-012 O-Ring
Shutter/fan switch is normally closed

ABP N83 318009



3/8-24 UNF-2A male thread with bulkhead type seal using a 2-012 O-Ring
Shutter/fan switch is normally open

TRINARY™

E/C Connection end of TRINARY™



Terminals 1 & 2
Controls Clutch High/Low Pressure Protection
Terminal 1:
To compressor clutch "compressor" black wire
Terminal 2:
To thermostat "AC/Thermostat" black/white wire
Terminals 3 & 4
Controls Fan Clutch or Shutters
Terminal 3:
To solenoid valve "override" yellow wire
Terminal 4:
To ignition "DC power" orange wire

ELECTRICAL

7 Amp Resistive
4 Amp Inductive
28 Volt D.C. Maximum
2.50 Series Male Tab Terminals

RED DOT TRINARY™ HARNESS



ABP N83 318131
TRINARY™ boot (provides a molded 4 wire connection to Trinary switch; lead wires are 28" long.) helps eliminate terminal corrosion and breakage.

AIR SENSING SWITCHES



ABP N83 322395
Normally closed, Opens at 25 psig — ⅛"-27 NPTF Male

ABP N83 318013
Normally open, Closes at 21 to 29 psig — ⅛"-27 NPTF Male

SOLENOID VALVE



ABP N83 322390
12 VDC, .65 amps — ⅛"-27 NPT Male

ABP N83 322385
24 VDC, .45 amps — ⅛"-27 NPT Male
This valve provides electric control for operation of air cylinders, air actuated shutters, and air controlled clutching fans. Solenoid can be normally open or normally closed depending on which control port is used.

RED DOT AIR SWITCHES

Chrome Mounting Nut (15/32"- 32 UNF-2B)

ABP N83 322070



Black toggle, Flat
Chrome mounting nut
15/32 - 32 UNF-2B

ABP N83 322073



Black toggle, Round

ABP N83 322075



Black toggle
with quick connect
fitting
¼" in and ⅛" out

ABP N83 322077



Nickel plated toggle

ABP N83 322090



Black toggle
with quick connect
fitting
¼" in and ¼" out

ABP N83 322095



Black Toggle
With Quick Connect
fittings
¼" in and ¼" out

ABP N83 322100



Toggle with guard
used in fifth wheel slide
and other pneumatic
applications. Inlet &
outlet are ⅛"-27 nptf
female

ABP N83 322125



Air Switch Guard

ABP N83 322165



Chrome push button
momentary off/
maintain on

ABP N83 322195



Black toggle

Air Hose shown in Section 11

SINGLE ACTION AIR CYLINDERS

Alliance P/N	Cylinder Diameter	Cylinder Length	Stroke	Material	Mount	Air Fitting
ABP N83 318083	0.625”	3.69”	1.10”	Plastic	F	C
ABP N83 318113	0.625”	3.69”	1.10”	Plastic	F	B
ABP N83 318183	0.75	3.25	1.02”	Brass	D	A

ABP N83 318083
ABP N83 318113



ABP N83 318183



DOUBLE ACTING AIR CYLINDERS

Alliance P/N	Cylinder Diameter	Cylinder Length	Stroke	Material	Mount	Air Fitting
ABP N83 318123	0.69”	4.74”	0.5”	Plastic	F	B
ABP N83 318133	0.79”	5.34”	0.375”	Plastic	F	C

ABP N83 318123
ABP N83 318133

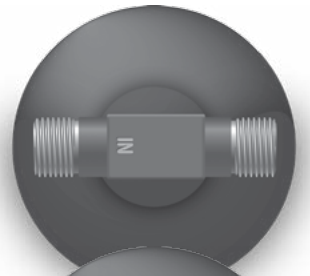


A ⅛” NPT Threads
B ⅛” Nylon Hose Push-in Fitting
C 3⁄16” Nylon Hose Push-in Fitting
D 9⁄16”-18 UNF-2A Threaded Mounting
F Plastic Mounting Plate

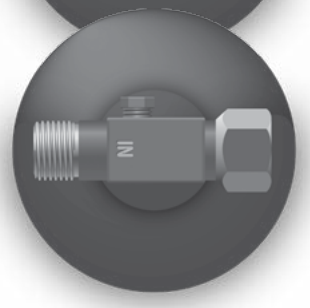
RECEIVER DRIERS

16

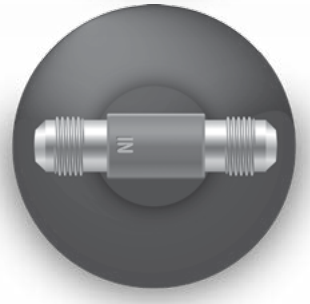
IDENTIFICATION GUIDE



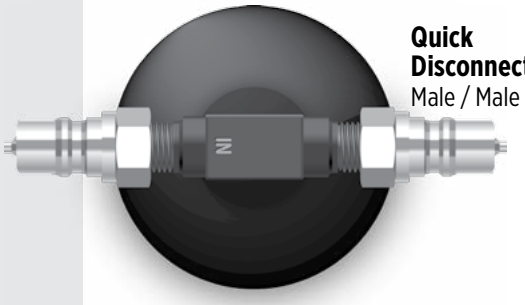
O-Ring
Male / Male



O-Ring
Male / Female



Flare
Male / Male



Quick Disconnect
Male / Male



Slimline Manifold Block
Male / Male
With two Schrader valve charge ports

Components in an air conditioning system require a clean, non-corrosive environment. Moisture is corrosive to air conditioner system components and must be eliminated for efficient a/c system operation. Any time the a/c system is opened, the receiver drier (or accumulator and orifice tube) needs to be replaced. A good preventative maintenance practice is to replace the receiver drier or the accumulator / orifice tube at regular intervals. See the **Preventive Maintenance Guide** at the beginning of the Reference Section in the back of this catalog.

Receiver driers have a variety of maintenance components that may be installed to assist with receiver drier operation. Typically not all will be installed on a given unit. See the following pages that detail receiver drier features.

A. Moisture Indicator
Contains a litmus paper device which turns colors to designate the condition of the refrigerant;

Blue = normal;
Pink = moisture in the system;
White = very wet;
Gray = oil contamination

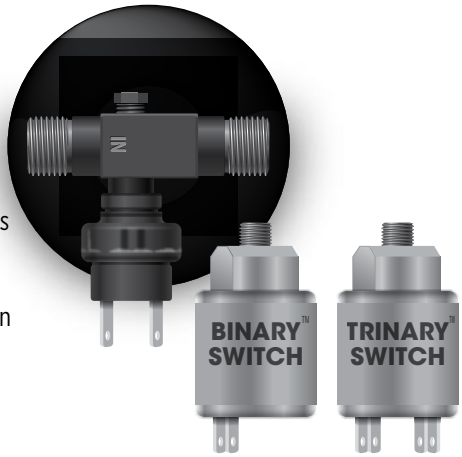
B. Pressure Relief Valve
A protection device designed to open and "bleed off" excessive pressure.

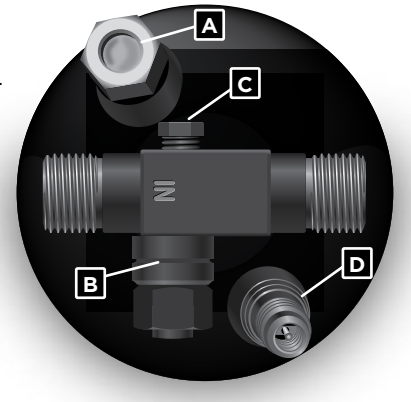
C. Fuse Plug
A fuse plug is a bi-metal device that melts down to release excessive pressure.

D. Sightglass
A "window" for observing the condition of the refrigerant.

E. Schrader Valve / M-10 Valve
A gauge or charge port that allows access to the system for checking and charging refrigerant pressures.

Low / High Pressure Switches
A switch port allows for a male or female pressure switch to be added to the drier. The first function prevents the compressor from operating if the system charge is lost or ambient temperature is too low. The second stops the compressor if head pressure increases to unsafe levels. It automatically resets when pressure drops back to normal.
A Binary Switch™ assembly performs both the above functions. Install Binary on liquid side of A/C system between condenser and expansion valve, for use with R-12 and R-134a.
A Trinary Switch™ switch assembly performs both functions detailed above. The third function is a shutter/fan override switch that keeps head pressure within normal range by opening shutters or operating engine fan to increase air flow across condenser when head pressure rises above set valve. A Trinary switch is also installed on the liquid side of a/c system between condenser and expansion valve. For use with R-12 and R-134a systems.

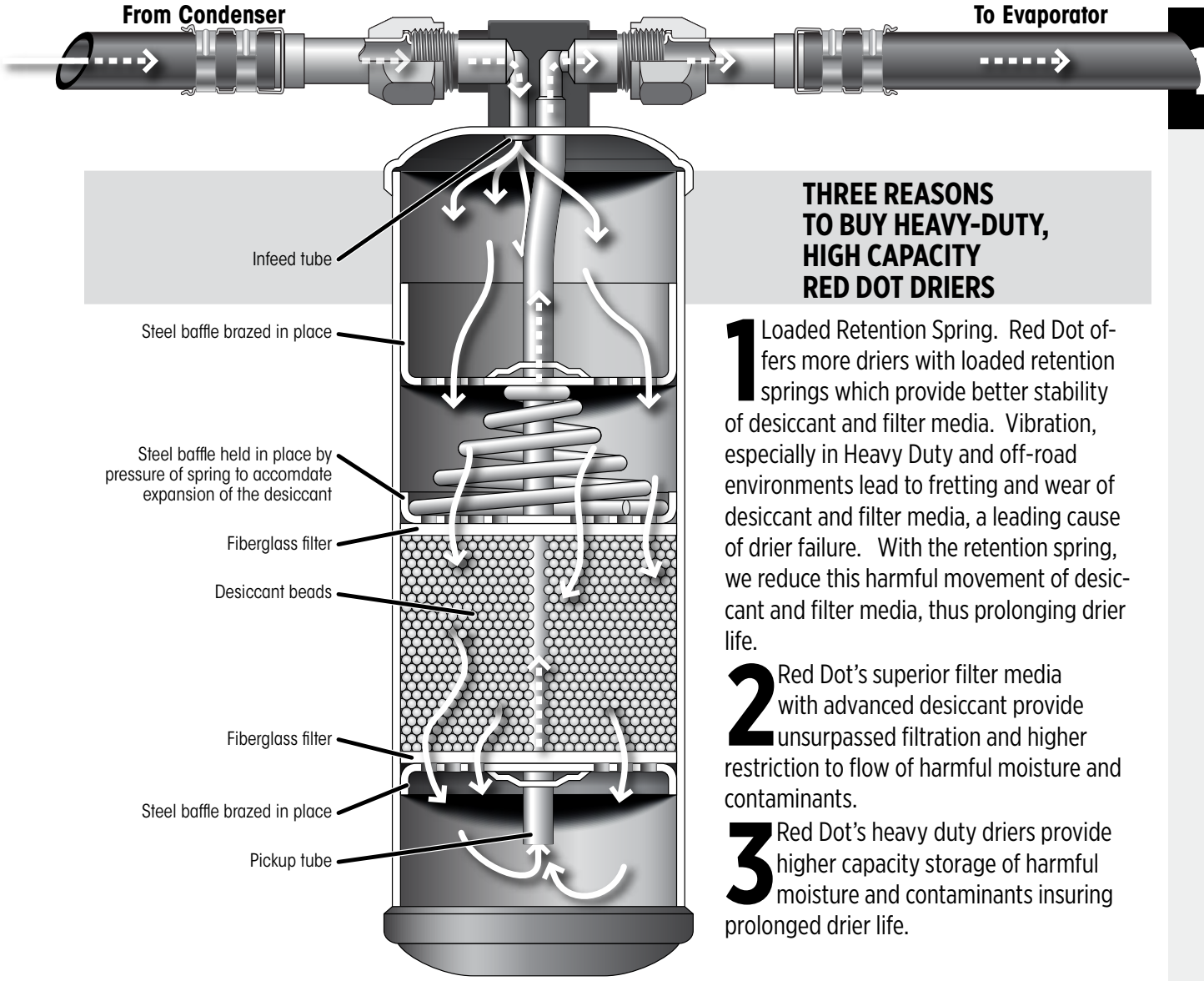




Maintenance Components
Shown on an O-Ring receiver drier with male / male connections. Not all receiver driers will have all these components; they may be combined in a wide variety of ways.

A Moisture Indicator
B High Pressure Relief Valve
C Fuse Plug
D Schrader Charge / Gauge Port

CUT-AWAY



THREE REASONS TO BUY HEAVY-DUTY, HIGH CAPACITY RED DOT DRIERS

1 Loaded Retention Spring. Red Dot offers more driers with loaded retention springs which provide better stability of desiccant and filter media. Vibration, especially in Heavy Duty and off-road environments lead to fretting and wear of desiccant and filter media, a leading cause of drier failure. With the retention spring, we reduce this harmful movement of desiccant and filter media, thus prolonging drier life.

2 Red Dot's superior filter media with advanced desiccant provide unsurpassed filtration and higher restriction to flow of harmful moisture and contaminants.

3 Red Dot's heavy duty driers provide higher capacity storage of harmful moisture and contaminants insuring prolonged drier life.

Receiver Driers are used on most heavy-duty air conditioning installations. It is mounted between the condenser and the expansion valve. It is composed of a tank, a filter, a drying agent (desiccant) and a pickup tube. An alternative device, commonly used on automobiles, is an Accumulator. Red Dot sells a variety of these. You will find them listed at the following our selection of Receiver Driers.

A receiver Drier serves two principle functions.

1 **Storage Tank**- The Receiver Drier *receives* liquid refrigerant from the condenser, caching it until it is needed by the evaporator.
2 **Refrigerant Drier-** The Receiver Drier contains a drying agent that absorbs moisture that may have accumulated in the liquid refrigerant. This drying agent, called desiccant, is usually in the form of beads of silica gel. Moisture is extremely harmful to air conditioning components.

The Receiver Drier's operation is very simple. As shown in the illustration, the liquid refrigerant enters the top chamber. It flows through a fiberglass filter pad (which also serves to hold the desiccant in place), then through the desiccant which removes any moisture in the refrigerant. It then flows through a second filter pad until it exits the Receiver Drier through the pickup tube at the bottom. The spring on the top of the desiccant chamber serves to give the desiccant room to expand as it absorbs the unwanted moisture.

SPECIFICATIONS

Listed in ascending order by **Diameter**

Diameter	Height	Fitting Size	High Capacity	Fuse - Pressure Relief	Switch Port	Alliance P/N
2 ½	6 9/16	#6 - #8 Male O-Ring In-LIne		—	—	**ABP N83 319100**
2 ½	7 11/16	#6 Male O-Ring		—	Side	**ABP N83 304604**
2 ½	8	#6 Male O-Ring		Fuse	Side	**ABP N83 319291**
2 ½	9 9/16	#6 Male O-Ring In LIne	X	—	—	**ABP N83 319135**
2 ½	11	#6 Male O-Ring to #8 Female O-Ring				**ABP N83 319155**
2 ½	13 7/8	Quick Disconnect In Line		—	—	**ABP N83 319108**
2 ¾	8 ¾	#6 Male O-Ring		Pressure Relief	Side	**ABP N83 319316**
2 ¾	9 5/8	#6 Male O-Ring	X	Trinary Switch/Pressure Relief	Side	**ABP N83 319074** *
2 ¾	9 5/8	#6 Male O-Ring	X	Trinary Switch/Pressure Relief	Side	**ABP N83 319310***
2 ¾	10	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319010**
2 ¾	10	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319514**
2 ¾	10	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319220**
2 ¾	10	#6 Male O-Ring (Schrader Port)	X	Pressure Relief	Top	**ABP N83 319144**
2 ¾	10	#6 Male O-Ring	X	Low Pressure/Pressure Relief	Side	**ABP N83 319014** **
2 ¾	10	#6 Male O-Ring		Trinary Switch/Fuse	Top	**ABP N83 319200** †
2 ¾	10	#6 Male O-Ring		Trin. Sw/Fuse	Top	**ABP N83 319248** *
2 ¾	10	#6 Male O-Ring (Schrader Port)	X	Pressure Relief	Side	**ABP N83 319004**
2 ¾	10 5/16	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319330**
2 ¾	10 5/8	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319130**
3	6	#6 Male O-Ring	X	Binary Switch/Pressure Relief	Side	**ABP N83 319044** †
3	6	#6 Male O-Ring	X	Trinary Switch/Pressure Relief	Side	**ABP N83 319064** *
3	6 ¼	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319230** ††
3	6 ¼	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319289** ††
3	6 ¼	#6 Male O-Ring (No Ports)	X	—	—	**ABP N83 319270**
3	6 ¼	#6 Male O-Ring (Schrader Port)	X	Pressure Relief	Side	**ABP N83 319210**
3	6 ¼	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319294**
3	6 ¼	#6 Male O-Ring	X	Pressure Relief	—	**ABP N83 319634** ††
3	7 ¾	#6 Male O-Ring (Schrader Port)	X	—	—	**ABP N83 319564** ††
3	8	#6 Male O-Ring		—	Side	**ABP N83 319568**
3	8 ¼	#6 Male O-Ring (Schrader Port)	X	—	Side	**ABP N83 319304**
3	8 ¼	#6 Male ORing, 2 Schrader Ports		—	2 Top	**ABP N83 319690**
3	8 ¼	#6 Male O-Ring Inlet - #6 Female O-Ring Outlet		Pressure Relief	2 Top, 2 Schraders	**ABP N83 319254** ††
3	8 3/8	#6 Male O-Ring	X	Fuse	Top	**ABP N83 319684**
3	8 3/8	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319685**
3	8 3/8	#6 Male O-R - #6 Female O-R (2 Schrader Ports)	X	Pressure Relief	Top	**ABP N83 319694**
3	8 3/8	#6 Male O-R - #6 Female O-R (2 Schrader Ports)	X	Pressure Relief	Top	**ABP N83 319695**
3	8 ½	#6 Male O-Ring		Pressure Relief	Top	**ABP N83 319110**
3	9	#6 Male O-Ring		Pressure Relief	—	**ABP N83 319262**
3	9	#6 Male O-Ring		—	—	**ABP N83 319670** ††
3	9	#6 Male O-Ring		—	—	**ABP N83 319671** ††

* With Trinary™ Switch ** With Low Pressure Switch † With Binary™ Switch †† With Moisture Indicator

SPECIFICATIONS

Listed in ascending order by **Diameter**

Diameter	Height	Fitting Size	High Capacity	Fuse - Press Relief	Switch Port	Alliance P/N
3	9	#6 Male O-Ring		Pressure Relief	—	**ABP N83 319250**
3	9	#6 Male O-Ring		Pressure Relief	—	**ABP N83 319012** ††
3	9 ¼	#6 Male O-Ring (Schrader Port)		Fuse	Side	**ABP N83 319120**
3	9 ¼	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319394** ††
3	9 ¼	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319395** ††
3	9 ¼	#6 Male O-Ring	X	Pressure Relief	Side	**ABP N83 319632** ††
3	9 ½	#6 Male O-Ring		Pressure Relief	—	**ABP N83 319680** ††
3	9 11/16	11/16 Female O-Ring In x ⅝ Female O-Ring Out		Pressure Relief	Top	**ABP N83 319915**
3	9 ¾	#6 Male O-Ring In, #6 Female O-Ring Out		Pressure Relief	Side, 2 Schraders	**ABP N83 319714**
3	9 ¾	#6 Male O-Ring In, #6 Female O-Ring Out	X	Pressure Relief	Side, 2 Schraders	**ABP N83 319714**
3	9 ¾	#6 Male O-Ring In- #6 Female O-Ring Out	X	Pressure Relief	Side, 2 Schraders	**ABP N83 319715**
3	9 ¾	#6 Male O-Ring In- #6 Female O-Ring Out	X	Pressure Relief	Side	**ABP N83 301432**
3	10	Flange			134 Port	**ABP N83 319162**
3	10	#6 Male O-Ring				**ABP N83 319156**
3	10	#6 Male O-Ring				**ABP N83 319157**
3	10	#6 Male O-Ring				**ABP N83 319161**
3	10	#6 Male O-Ring	X	Fuse	Side	**ABP N83 319048** ††
3	10	#6 Female O-Ring In - #6 Male O-Ring Out	X	—	—	**ABP N83 319028** ††
3	10	#6 Female O-Ring In - #6 Male O-Ring Out	X	—	—	**ABP N83 319027** ††
3	10	#6 Male O-Ring (Schrader Port)	X	Fuse	—	**ABP N83 319190**
3	10	#6 Male O-Ring		Fuse	Top	**ABP N83 319190** ††
3	10	#6 Male O-Ring (Schrader Port), ¼" male flare	X	Fuse, ¼" port	Side	**ABP N83 319314** ††
3	10	#6 Male O-Ring (Schrader Port), ¼" male flare	X	Fuse, ¼" port	Side	**ABP N83 319315** ††
3	10	#6 Male O-Ring, Male Metric	X	Pressure Relief	Side	**ABP N83 319504** ††
		Schrader with Male 10 x 1.25mm threads				
3	10	#6 Male O-Ring, Male Metric Schrader with Male 10 x 1.25mm threads	X	Pressure Relief	Side	**ABP N83 319505** ††
3	10	#6 Male O-Ring		—	—	**ABP N83 319174**
3	10	#6 Male O-Ring In - #6 Female O-Ring Out	X	Pressure Relief	2 Top Metric	**ABP N83 319734**
3	10	#6 Male O-Ring In - #6 Female O-Ring Out	X	Pressure Relief	2 Top Metric	**ABP N83 319735**
3	10	#6 Male O-Ring Inlet - #6 Female O-Ring Outlet, 2) M10 x 1.25mm Schrader Valves	X	—	—	**ABP N83 319614**
3	10	#6 Male O-Ring Inlet - #6 Female O-Ring Outlet, 2) M10 x 1.25mm Schrader Valves	X	—	—	**ABP N83 319615**
3	10	11/16 Female O-Ring In X #6 Female O-Ring Out		Pressure Relief	—	**ABP N83 319910**
3	10	Quick Disconnect, 2) ¼" Schrader valves	X	—	2 Top	**ABP N83 319724**
3	10	Quick Disconnect, 2) ¼" Schrader valves	X	Pressure Relief	2 Top	**ABP N83 319654** ††
3	10	Quick Disconnect	X	Pressure Relief	Side	**ABP N83 319644** ††
3	10	Quick Disconnect, 2) ¼" Schrader valves	X	Pressure Relief	2 Top	**ABP N83 319665**
3	10	Quick Disconnect, 2) 7/16" Schrader valves	X	Pressure Relief	2 Top	**ABP N83 319624**
3	10	Quick Disconnect, 2) 7/16" Schrader valves	X	Pressure Relief	2 Top	**ABP N83 319625**

* With Trinary™ Switch ** With Low Pressure Switch † With Binary™ Switch †† With Moisture Indicator

LS = Limited to stock on hand

SPECIFICATIONS

Listed in ascending order by **Diameter**

Diameter	Height	Fitting Size	High Capacity	Fuse - Press Relief	Switch Port	Alliance P/N
3	10 ⅛	#6 Male O-Ring In - #6 Female O-Ring Out	X	Pressure Relief		**ABP N83 319344** ††
3	10 ¼	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319744**
3	10 ¼	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319745**
3	10 ¼	#6 Male O-Ring	X	Pressure Relief	Top	**ABP N83 319554** ††
3	10 ½	11/16 Fem O-Ring In x #8 Female O-Ring Out	X	Pressure Relief	Side	**ABP N83 319160**
3	10 ½	Pad Mount, #6 Slim Line connection, #0126 Seal		Fuse	Side, Schrader/M10	**ABP N83 319674**
3	10 ½	Pad Mount, #6 Slim Line connection, #0126 Seal		Fuse	Side, Schrader/M10	**ABP N83 319584**
3	10 11/16	Flange style, Slim Line manifold block	X	—	—	**ABP N83 319574**
4	6 ¾	#6 Male O-Ring (Top & Side)		Fuse	—	**ABP N83 319104**
4	6 ¾	#6 Male Flare (Top & Side)		Fuse	—	**ABP N83 319124**
4	7 ½	#6 Male O-Ring	X	Fuse	Side	**ABP N83 319278** ††
4	7 ¾	#6 Female O-Ring In - #6 Male O-Ring Out (top-bottom)		—	—	**ABP N83 319288** ††
4	7 ¾	#6 Male O-Ring with low side Pressure switch		Low Pressure/Pressure Relief	Side	**ABP N83 319350**** ††
4	7 ⅞	#6 Quick Disconnect with low side Pressure switch		Low Pressure/Pressure Relief	—	**ABP N83 319650**** ††
4	7 ⅞	# 6 Female O-Ring - #6 Male O-Ring In Line		—	—	**ABP N83 319298**
4	8	#6 Fem O-Ring In x #6 Male O-Ring Out In Line		—	Side	**ABP N83 319114**

INLINE FILTERS

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 319001



3" diameter x 10" long
#8 Flare O-Ring In-Line
With Orifice Tube

ABP N83 319002



2 ½" diameter x 7 ¾" long
#6 Male O-Ring In Line
With Moisture Indicator

ABP N83 319003



2 ½" diameter x 10 ¾" long
Pad Fitting
OE# 320-0562, 320-0863

ABP N83 319100



2 ½" diameter x 6 9/16" long
#6 - #8 Male O-Ring In-Line – No Port

ABP N83 319107



2 ½" diameter x 13 7/8" long — CAT OE#3F3595
Quick Disconnect – No Port
With Orifice Tube

ABP N83 319011



2 ¾" diameter x 8 ¼" long
#8 Male O-Ring In-Line
With Moisture Indicator

ABP N83 319135



2 ⅛" diameter x 10" long
#6 Male O-Ring In Line – High Capacity

ABP N83 319159



2 ½" diameter x 11" long
#6 Male O-Ring to #8 Female O-Ring
With Orifice Tube

ABP N83 319299



4" diameter x 7 ⅛" long
#6 Female O-Ring - #6 Male O-Ring

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 304604



2 ½" diameter x 7 11/16" long
#6 Male O-Ring
Side Port

ABP N83 319004



2 ¾" diameter x 10" long
#6 Male O-Ring
(Schrader Port)
High Capacity
Pressure Relief
Side Port

ABP N83 319010



2 ¾" diameter x 10" long
#6 Male O-Ring
High Capacity
Pressure Relief-Side
Port-Top

ABP N83 319014



Includes Low Pressure
Switch
2 ¾" diameter x 10" long
#6 Male O-Ring
High Capacity
Low Pressure /
Pressure Relief – Side Port

ABP N83 319015



#8 Stat-O-Seal Inlet
#8 Stat-O-Seal Outlet

ABP N83 319027



Includes Moisture
Indicator
3" diameter x 10" long
#6 Female O-Ring Inlet
#6 Male O-Ring Outlet
High Capacity

ABP N83 319044



Includes Binary™ Switch
3" diameter x 6" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319047



Includes Moisture Indicator
3" diameter x 10" long
#6 Male O-Ring
High Capacity
Fuse
Side Port

ABP N83 319064



Includes Trinary™ Switch
3" diameter x 6" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319074



Includes Trinary™
Switch–Top
2 ¾" diameter x 9 5/8" long
#6 Male O-Ring
High Capacity
Pressure Relief – Side Port

ABP N83 319105



4" diameter x 6 ¾" long
#6 Male O-Ring (Top &
Side)
Fuse – No Port

ABP N83 319110



3" diameter x 8 ½" long
#6 Male O-Ring
Pressure Relief
Top Port

ABP N83 319114



4" diameter x 8" long
#6 Female O-Ring In; #6
Male O-Ring Out
Side Port

ABP N83 319121



3" diameter x 9 ¼" long
#6 Male O-Ring
(Schrader Port)
Fuse
Side Port

ABP N83 319130



2 ¾" diameter x 10 5/8" long
#6 Male O-Ring
High Capacity
Pressure Relief
Top Port

ABP N83 319144



2 ¾" diameter x 10" long
#6 Male O-Ring (Schrader
Port)
High Capacity
Pressure Relief
Top Port

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 319156



3" diameter x 10" long
#6 Male O-Ring

ABP N83 319157



3" diameter x 10" long
#6 Male O-Ring

ABP N83 319161



3" diameter x 10" long
#6 Male O-Ring

ABP N83 319162



3" diameter x 10" long
Flange
134 Port

ABP N83 319190



Includes Moisture Indicator
3" diameter x 10" long
#6 Male O-Ring
Fuse
Top Port

ABP N83 319200



2 ¾" diameter x 10" long
#6 Male O-Ring
Includes Binary Switch-Top
Fuse
Top Port

ABP N83 319211



3" diameter x 6 ¼" long
#6 Male O-Ring
(Schrader Port)
High Capacity
Pressure Relief
Side Port

ABP N83 319220



2 ¾" diameter x 10" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319248



2 ¾" diameter x 10" long
#6 Male O-Ring
Includes Trinary Switch
Fuse
Top Port

ABP N83 319250



3" diameter x 9" long
#6 Male O-Ring Inlet
#6 Male O-Ring Outlet
Pressure Relief Valve

ABP N83 319255



Includes Moisture Indicator
3" diameter x 8" long
#6 Male O-Ring Inlet,
#6 Female O-Ring Outlet
2 Schrader Ports
Pressure Relief
Top Port (2)

ABP N83 319263



3" diameter x 9" long
#6 Male O-Ring
Pressure Relief

ABP N83 319271



3" diameter x 6 ¼" long
#6 Male O-Ring
(No Ports)
High Capacity
No Port
No Glass

ABP N83 319277



Includes Moisture Indicator
4" diameter x 7 ½" long
#6 Male O-Ring
High Capacity
Fuse
Side Port

ABP N83 319179



3" diameter x 10 ½
11/16 Female O-Ring Inlet,
#8 Female O-Ring Outlet
High Capacity
Pressure Relief
Side Port
⅜" Hose Outlet
with ⅝" Fitting

ABP N83 319287



Includes Moisture Indicator
4" diameter x 7 ¾" long
#6 Female O-Ring In
#6 Male O-Ring Out

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 319289



Includes Moisture Indicator
3" diameter x 6 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319291



2 ½" diameter x 8" long
#6 Male O-Ring
Fuse
Side Port

ABP N83 319295



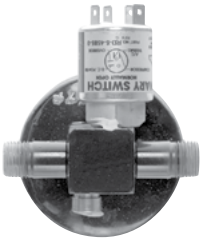
3" diameter x 6 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port
Kenworth OE# K251-566

ABP N83 319305



Includes Moisture Indicator
3" diameter x 8 ¼" long
#6 Male O-Ring
(Schrader Port)
High Capacity
Side Port

ABP N83 319310



Includes Trinary™
Switch–Side
2 ¾" diameter x 9 ⅝" long
#6 Male O-Ring
High Capacity
Pressure Relief – Side Port

ABP N83 319315



Includes Moisture
Indicator
3" diameter x 10" long
#6 Male O-Ring
(Schrader Ports)
High Capacity – Fuse
Side Port, ¼" Male Flare

ABP N83 319316



2 ¾" diameter x 8 ¾" long
#6 Male O-Ring
Switch Port Body
Switch Port Side
Fuse Side
Sight Glass Body
Pressure Relief

ABP N83 319330



2 ¾" x 10 5/16" long
#6 Male O-Ring
High Capacity
Pressure Relief – Top Port

ABP N83 319345



Includes Moisture Indicator
3" diameter x 10 ⅛" long
#6 Male O-Ring Inlet
#6 Female O-Ring Out
High Capacity
Pressure Relief

ABP N83 319351



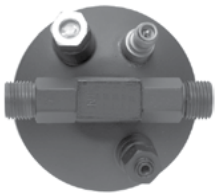
Includes Low Pressure
Switch &
Moisture Indicator
4" dia. x 7 ¾" long
#6 Male O-Ring
Pressure Relief
Side Port

ABP N83 319395



Alliance Brand
Includes Moisture Indicator
3" diameter x 9 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
Top Port

ABP N83 319505



3" diameter x 10" long
with Moisture Indicator
#6 Male O-Ring
Male Metric Schrader
with Male 10 X
1.25mm Threads
High Capacity – Pressure
Relief — Side Port

ABP N83 319514



2 ¾" diameter x 10" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319553



Includes Moisture Indicator
3" diameter x 10 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
Top Port

ABP N83 319565



Includes Moisture Indicator
3" diameter x 7 ¾" long
#6 Male O-Ring
Schrader Port
High Capacity

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 319575



3" diameter x 10 11/16" long
Flange Type
Slimline Manifold Block
High Capacity

ABP N83 319584



← Flow
3" diameter x 10 ½" long
Pad Mount,
#6 Slimline connector
Two Schraders
Fuse — Side Port, M-10

ABP N83 319615



3" diameter x 10" long
#6 Male O-Ring Inlet
#6 Female O-Ring Outlet,
2 Schrader M10 X 1.25 mm
Ports
High Capacity

ABP N83 319625



3" diameter x 10" long –
Quick Disconnect
Two Top Metric Ports –
Two 7/16" Schrader Ports
Top Port

ABP N83 319633



Includes Moisture Indicator
3" diameter x 9 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
Side Port

ABP N83 319635



Includes Moisture Indicator
3" diameter x 6 ¼" long
#6 Male O-Ring
High Capacity
Pressure Relief
No Port

ABP N83 319651



Includes Low Pressure
Switch & Moisture
Indicator
4" diameter x 7 7/8" long
#6 Quick Disconnect
Pressure Relief
No Port

ABP N83 319661



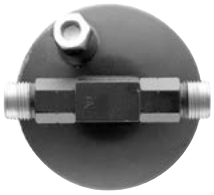
Includes Moisture Indicator
3" diameter x 9" long
#6 Male O-Ring
Press Relief

ABP N83 319665



3" diameter x 10" long
Quick Disconnect
High Capacity
Pressure Relief
Two Schrader Valves

ABP N83 319671



Alliance Brand
3" diameter x 9" long
#6 Male O-Ring
Volvo VN Series
OE#20447319

ABP N83 319584



← Flow
3" diameter x 10 ½" long
Pad Mount,
#6 Slimline connector
Two Schraders, Fuse
Side Port, M-10

ABP N83 319674



← Flow
3" diameter x 10 ½" long
Pad Mount,
#6 Slimline connector
Two Schraders, Fuse
Side Port, M-10

ABP N83 319680



3" diameter x 9 ½" long
#6 Male O-Ring
Includes Moisture
Indicator
Pressure Relief

ABP N83 319684



3" diameter x 8 3/8" long
#6 Male O-Ring
High Capacity
Fuse

ABP N83 319685



3" diameter x 8 3/8" long
#6 Male O-Ring
High Capacity
Fuse

ABP N83 319695



Alliance Brand
3" diameter x 8 3/8" long
#6 Male O-Ring
#6 Female O-Ring,
2 Schrader Ports
High Capacity
Pressure Relief
Top Port

→ REFRIGERANT FLOW IS FROM LEFT TO RIGHT →

ABP N83 319715



3” diameter x 9 ¾” long
#6 Male O-Ring Inlet,
#6 Female “O” Outlet
2 Schrader Ports
Pressure Relief
Side Port

ABP N83 319725



3” diameter x 10” long –
Quick Disconnect
High Capacity – two ¼”
Schrader valves
2 Top Port

ABP N83 319735



3” diameter x 10” long
#6 Male O-Ring Inlet
#6 Female O-Ring Out
High Capacity
Pressure Relief
Two Top Metric Ports

ABP N83 319745



Includes Moisture
Indicator
3” diameter x 10 ¼” long
#6 Male O-Ring
High Capacity
Pressure Relief
Top Port

ABP N83 319755



4” diameter x 7” long
#8 Stat-O-Seal Inlet
#8 Stat-O-Seal Outlet

ABP N83 319925



3” diameter x 9 $\frac{11}{16}$” long
$\frac{11}{16}$ Female O-Ring Inlet
$\frac{5}{8}$ Female O-Ring Outlet
Pressure Relief
R-134a Charge Port

RECEIVER DRIER ACCESSORIES

ABP N83 319009



Accumulator tube – GM
¾" (#12) Male O-Ring
(1 ¾" - 16 thread)
¾" (#12) Male Insert
O-Ring
(1 ¾" - 14 thread)

ABP N83 319168



Fitting Adapter Assembly
#6 Adaptor to #5 Metric
Fitting – 2 Per Package

ABP N83 319068



Receiver drier bracket

ABP N83 319008



Receiver drier bracket

QUICK DISCONNECT FITTINGS

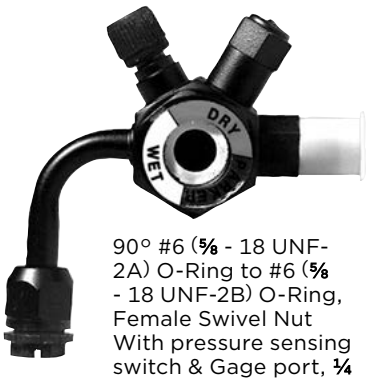


ABP N83 311331
Quick Disconnect #6 O-Ring for use with **ABP N83 319158** drier
(R12 ONLY)
For component removal (such as evaporator unit) without loss of refrigerant from A/C system

SIGHT GLASS MOISTURE INDICATOR

The easy to see element in this sight glass changes from blue to pink when it is time to change your Receiver Drier. (After installing a new drier indicator returns to blue.)

ABP N83 311231



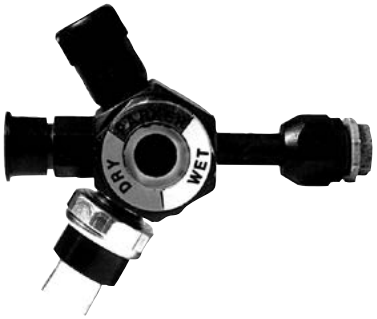
90° #6 (⅝ - 18 UNF-2A) O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut
With pressure sensing switch & Gage port, ¼ SAE Flare Schrader

ABP N83 311241



#6 (⅝ - 18 UNF-2A) Male O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut
With high pressure relief valve (opens 450-550 psi; reseals before 400 psi & Gage port 7/16 -020 UNF-2A thread Schrader valve

ABP N83 311261



#6 (⅝ - 18 UNF-2A) O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut

With low pressure switch & high pressure relief valve (#6 O-Ring)

ABP N83 311271

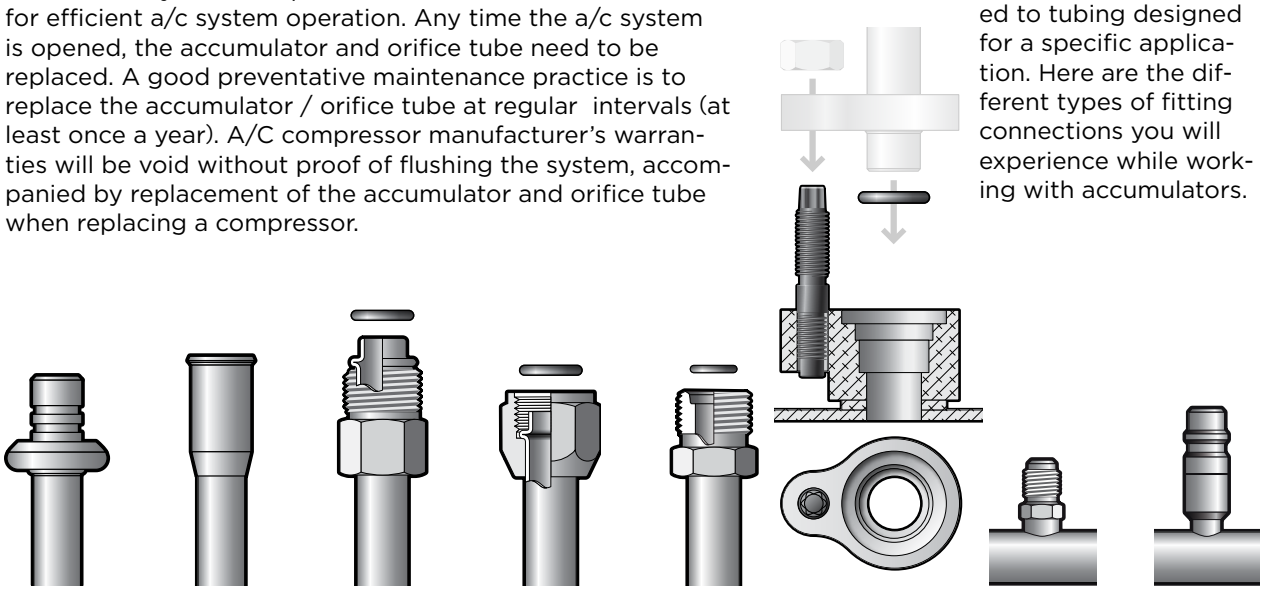


#6 (⅝ - 18 UNF-2A) Male O-Ring to #6 (⅝ - 18 UNF-2B) O-Ring, Female Swivel Nut

GUIDE TO ACCUMULATOR FITTINGS

Components in an air conditioning system require a clean, non-corrosive environment. Moisture is corrosive to air conditioner system components and must be eliminated for efficient a/c system operation. Any time the a/c system is opened, the accumulator and orifice tube need to be replaced. A good preventative maintenance practice is to replace the accumulator / orifice tube at regular intervals (at least once a year). A/C compressor manufacturer's warranties will be void without proof of flushing the system, accompanied by replacement of the accumulator and orifice tube when replacing a compressor.

Accumulators have a variety of connecting fittings, often connected to tubing designed for a specific application. Here are the different types of fitting connections you will experience while working with accumulators.



Springlock Male | **Springlock** Female | **O-Ring** Male | **O-Ring** Female | **Insert O-Ring** Male | **Pad Mount** Female | **Charge Port** Schrader | **Charge Port** M-10

SPECIFICATIONS

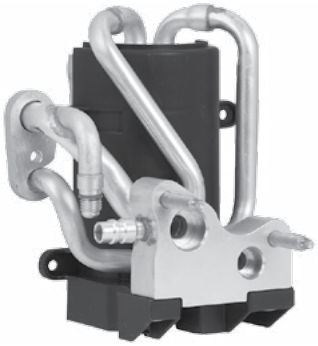
Listed in ascending order by **Diameter** x **Length** x **Fitting Type** and **Size**

Dia.	Length	Inlet Type	Size	Outlet Type	Size	OEM No.	Fits	Alliance P/N
2 ¼"	10"	Pad Type		Pad Type		20Y-979-3120	Fits Komatsu	**ABP N83 319147**
3 ½"	8"	Male Insert O-Ring	⅝" #10	Male Insert O-Ring	¾" #12	F6HZ-19C836A	Fits Ford, Sterling	**ABP N83 319309**
3 ½"	8 ⁵⁄₆₄"	Male Insert O-Ring	⅝" #10	Male Insert O-Ring	⅝" #10	089235-000		**ABP N83 319119**
3 ½"	8 ½"	Male Springlock	⅝" #10	Pad Mount	⅝" #10	F85Z-19C836BA	Fits Ford	**ABP N83 319249**
3 ½"	8 ½"	Spring Lock		Pad Mount		XL3Z-19C836BA	Fits Ford	**ABP N83 319229**
3 ½"	9 ⅛"	Pad Mount	1"-14 UNF	Pad Mount	1"-14 UNF	3542577C2	Fits IHC/Navistar	**ABP N83 319159**
3 ½"	9 ½"	Female O-Ring	1 ¹⁄₁₆"	Female O-Ring	1 ¹⁄₁₆"	18-03837	Fits Peterbilt	**ABP N83 319269**

ACCESSORIES							
Accumulator Tube	Male O-Ring	¾" #12	Male Insert O-Ring	¾" #12	Accum tube for GM		**ABP N83 319009**
Adapter	#6 Adapter to #5 Metric Fitting		Female Spring Lock	¾" #12	Adapter, 2 per Package		**ABP N83 319168**

384

ABP N83 319041



OE #383960C92, 3843558C92, 6102500C91
3 ½" diameter x 9 ⅛" long
Inlet: Pad Mount
Outlet: Pad Mount

ABP N83 319072



Peterbilt OE #18-04171
3 ½" diameter x 9 ⅛" long
Inlet: Pad Mount
Outlet: Pad Mount

ABP N83 319119



Ford OE #089235-000
3 ½" diameter x 8 5/64" long
Inlet: ⅝" (#10) Male Insert O-Ring
Outlet: ⅝" (#10) Male Insert O-Ring

ABP N83 319147



Komatsu
2 ¼" diameter x 10" long
20Y-979-3120

ABP N83 319159



Fits IHC/Navistar, 3542577C2,
Behr OE#BOA-80-32300-139
3 ½" diameter x 9 ⅛" long
Inlet: Pad Mount 1"-14 UNF
Outlet: Pad Mount 1"-14 UNF
Switch Port: M12 x 1.5
Bracket Mount: 2) M8 x 1.25 female thread
Adjustable Studs

ABP N83 319269



Peterbilt OE #18-03837
3 ½" diameter x 9 ½" long
Inlet: 1 1/16" Female O-Ring
Outlet: 1 1/16" Female O-Ring

ABP N83 319309



Ford / Sterling OE #4C4H19808-AA, F6HZ-19C836A
3 ½" diameter x 8" long
Inlet: ⅝" (#10) Male Insert O-Ring
Outlet: ¾" (#12) Male Insert O-Ring

ABP N83 319740



4 ¼" diameter x 10" long
Inlet: 1 1/16"
Outlet: 1 1/16"

ABP N83 319949



Navistar Maxx Force
3666273-C1

ABP N83 319951

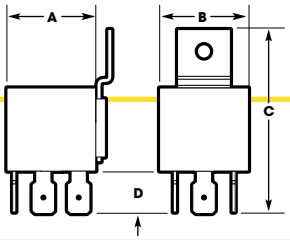


Navistar Prostar
3670134-C1
P6546001

ELECTRICAL

17

RELAY SPECIFICATIONS



Listed in ascending order by dimension:
A=Base length **B**=Base width **C**=Overall length **D**= Blade length

Dimensions					Terminals			
A	B	C	D	Rating/Desription	Pole	#	Type	Alliance P/N
1 1/8	13/16	1 5/8	1/4	Contact Rating: 15 amps @ 30 VDC. 12V	DPDT	8	1/4 male blade	**ABP N83 320170**
1 1/8	1	2.05	1/2	Make/Break: 30/20 amps. 12V, Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320140**
1 1/8	1	1.91	1/2	Make/Break: 20/10 amps. 24V, Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320280**
1 1/8	1 1/8	2 15/32	1/2	Make/Break: 40/30 amps. 12V, with diode	SPDT	4	1/4 male blade	**ABP N83 320290**
1 3/8	1 3/8	1 7/16	1/2	5 contact spade connector. For Metripak connection.	NA	5	1/4 male blade	**ABP N83 320330**
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open 50 amps, closed 30 amps, 12V Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320150**
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open 20 amps, closed 15 amps, 24V Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320160**
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: Open, 50 amps, closed 30 amps, 12V Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320155**
1 13/32	1 13/32	2 5/8	1/2	Contact Rating: 30 amps, 24V. Bracket mount	SPDT	5	1/4 male blade	**ABP N83 320320**

ABP N83 320140



12V Relay, 30/20 amps, SPDT, 5 terminals Bosch type

ABP N83 320150



12V Relay, 50/30 amps, 5 terminals

ABP N83 320155



12V Relay with Coil Suppressor, 50/30 amp, SPDT, 5 terminals

ABP N83 320160



24V Relay, 20/15 amps, 5 terminals

ABP N83 320170



12V Relay, 15 amps, DPDT, 8 terminals

ABP N83 320280



24V Relay, 20/10 amps, SPDT, 5 terminals Bosch type

ABP N83 320290



12V Relay with Diode 40/30 amps, SPDT, 5 terminals

ABP N83 320320



24V Relay with Coil Suppressor, 30 amps, SPDT, 5 terminals

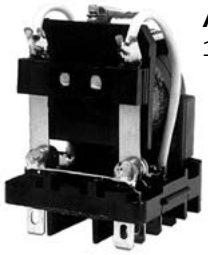
ABP N83 320330



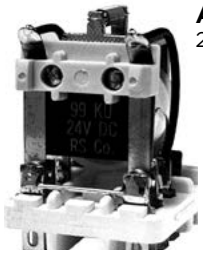
Relay Connector Kit – For Metripak Relays, 5 terminals

TWIN TEMPERATURE RELAYS

Amps	Mounting Dimension Length	Width	Height	Hole - Hole Dimension	Terminal Contact	Speed	Voltage Rating	Rating	Alliance Part No.
10	1 7/16	1 1/4	2	NA	2, DPDT	NA	12V	Pull-in: 9.0 V Max. Drop Out: 1.2V 120 ohms, Socket Mount, 3/16 blade term.	**ABP N83 320120**
5	1 5/8	1 1/4	1 7/8	NA	2, DPDT	NA	24V	99K ohm resistance coil, socket mount	**ABP N83 322235**



ABP N83 320120
12V Relay



ABP N83 322235
24V Relay

CTC CIRCUIT BOARD

ABP N83 322925



12v, 30k ohm
Thermistor blower
speed control switch

ABP N83 322926



24v, 30k ohm
Thermistor blower
speed control switch

DIODE



ABP N83 320090
Used on R-6100 & R-6160

MICRO SWITCH



ABP N83 320220
15 Amp 12VDC SPDT,
2 terminals, normally open
Base: 1 1/4" X 5/8" X 5/8"



ABP N83 322435
15 Amp 12volt, DPDT,
3 terminals

ROTARY ACTUATORS

ABP N83 301269



Servo Actuator, 104° max. travel
RED D

ABP N83 301419



Servo Actuator,
126° max. travel
Red N

ABP N83 301429



Two Position Actuator,
140° max. travel
Green T

ABP N83 301439



Servo Actuator - Sealed,
126° max. travel

ABP N83 301449



Feedback Actuator,
130° max. travel

ABP N83 324027



Actuator - 12V 2-pin
OE#3542575C1

ABP N83 324028



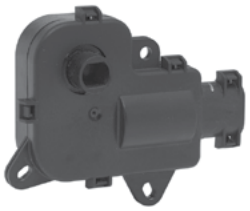
Actuator - 12V 5-pin
OE#3599602-C1
OE#3452606C1; 2611234C1

ABP N83 324030



Actuator - 12V 4-pin
OE#2503207-C1; 7787-650694

ABP N83 325407



Moto Mode Control - 2 terminal
4000/8000 Series
OE#3452606C1; 2611234C1

ABP N83 328355



Nylon Rod Adapter

RED DOT UNIVERSAL SEALED ACTUATOR

ABP N83 301459



Universal, 12 Volt or 24 Volt
Mounts in same position as many OE actuators. Sealed unit, no worry of corrosion
Control signal by linear voltage or pwm (pulse with modulation) input
4 pin Duetz sealed connection
104° maximum travel

RESISTORS

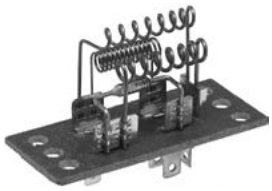
Ohms	Mounting Dimension Length	Width	Height	Hole to Hole Dimension	Terminal Contact	Speed	Voltage Rating	Description	Alliance P/N
N/A	3	1 ¼	1 ¼	2 ½	3	3	12V	.10" thick Bakelite base, ¼" Spade Term	**ABP N83 321015**
1.5	2 ¼	1 ½	1	1 ¾	3	3	12V	Pos 1 to 3: 9 amps @ .50 ohms Pos 1 to 2: 4 amps @ 1.5 ohms	**ABP N83 321060**
N/A	2 ¼	1 ½	1 3/16	1 ¾	4	4	12V	IHC # 506552C1, ¼" Spade Term	**ABP N83 321200**
N/A	3	1 ¼	1 ¼	2 ½	3	3	12V	.10" thick Bakelite base, ¼" Spade Term	**ABP N83 321300**
1.3	3 ¼	1 ⅜	1 ⅜	2 ¾	4	4	12V	.10" thick Bakelite base, ¼" Spade Term	**ABP N83 321350**
N/A	N/A	N/A	N/A	N/A	3	3	12V	.10" thick Bakelite base, ¼" Spade Term	**ABP N83 321310**
N/A	N/A	N/A	N/A	N/A	N/A	N/A	12V	.10" thick Bakelite base, ¼" Spade Term	**ABP N83 321360**

ABP N83 321005



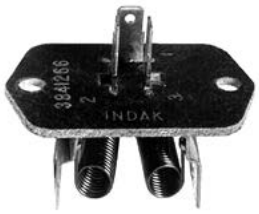
3 Terminals (¼" blade)
Bakelite base:
3" x 1 ¾" x .10"

ABP N83 321015



3 Terminals (¼" blade) /
3 Speeds
Bakelite base: .10" thick

ABP N83 321060

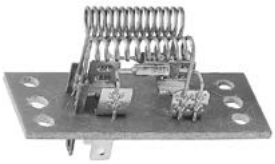


3 Terminals (¼" blade)
3 Speeds
Bakelite base:
2 ¼" x 1 ½" x .10"
Height: 1 ½"

ABP N83 321110

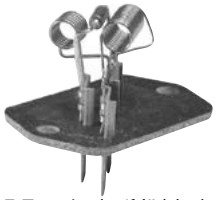


ABP N83 321120



3 Terminals (¼" blade)
Bakelite base:
3" x 1 ¼" x .10"
Height: 1 ¼"

ABP N83 321200



3 Terminals (¼" blade)
3 Speeds
Bakelite base: 2 ¼" x 1 ½"
x .10" Height: 1 3/16"

ABP N83 321201



4 Terminals (¼" blade)
3 Speeds

ABP N83 321250



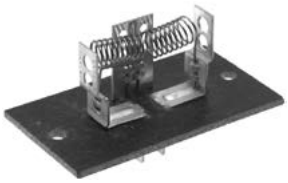
4 Terminal / (¼" blade)
Bakelite base:
3" x 1 ¼" x .10"
Height: 2 ⅛"

ABP N83 321260



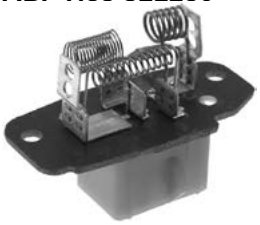
4 Terminal
OEM# 4C4H-19A706AA,
F6HZ-19A706A

ABP N83 321270



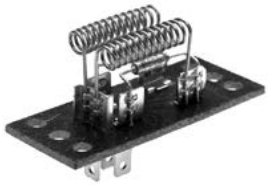
3 Terminal / 3 Speeds
Bakelite base:
3" x 1.6" x .10"
Height: 1 ¼"

ABP N83 321280



4 Terminal
Bakelite base:
3.1" x 1.24" x .10"
Height: 2 ⅛"

ABP N83 321300



3 Terminals (¼" blade) /
3 Speeds
Bakelite base: 3" x 1 ¼"
x .10"
Height: 2 ¾"

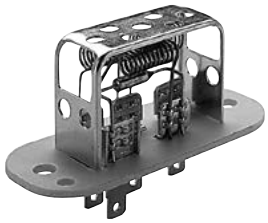
RESISTORS

ABP N83 321310



3 Terminals (¼" blade) /
3 Speeds
Bakelite base: .10" thick

ABP N83 321350



3 Terminals (¼" blade) /
4-Speeds
Bakelite base: 3 ¼" x 1 ⅜" x .10"
Height: 2 ¾"

ABP N83 321360



4 Terminals (¼" blade) /
3 Speeds
Bakelite base: .10" thick

FAN RESISTORS

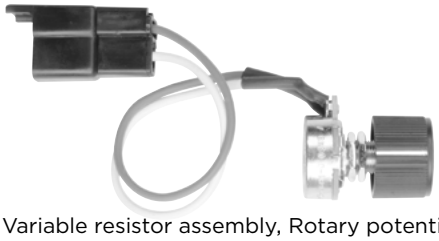
Ohms	Length	Dia	Height	Hole to Hole Dimension	Terminal Contact	Speed	Voltage Rating	Description	Alliance P/N
N/A	2	21/32 WIDTH	1 3/16	N/A	2	Variable	12V	Slide Potentiometer with Diode, Lever style. Packard connector 2984528	**ABP N83 321100**
2.36	6 1/2	1 3/16	1 3/16	N/A	4	Variable	12V	Fan Resistor, Ceramic (Black wrapped). 1/4" Spade Term. JD Crawler 650H	**ABP N83 321380**
5.22	7	1 1/4	2 3/4	6	4	Variable	24V	Fan Resistor, Ceramic (White), L Bracket 1/4" Spade Term. JD Crawler 700H	**ABP N83 321370**
10K	N/A	1 WITH KNOB	1 1/2	N/A	5	Variable	12V	Rotary Potentiometer with Diode. 56 Series 1/4" Spade Receptacle	**ABP N83 321080**

ABP N83 321100



Variable resistor assembly, sliding potentiometer with lever, Two Contacts
Length: 2", Diameter: 21/32", Height: 1 3/16",

ABP N83 321080



Variable resistor assembly, Rotary potentiometer
10k ohms with diode
Freightliner with Behr blower motor #A06-21497-001

ABP N83 321370



4 Terminals (1/4" blade) /
Variable Speed 24 volt, 5.22 ohm,
Length: 7", Diameter: 1 1/4", Mounting Height: 2 3/4",
Ceramic (white)
JD Crawler Dozer 700H

ABP N83 321380



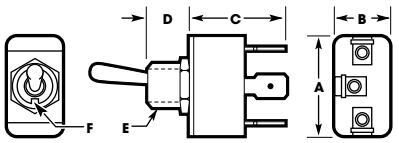
4 Terminals (1/4" blade) /
Variable Speed 12 volt, 2.36 ohm,
Length: 6 1/2", Diameter: 1 3/16"
Ceramic (black wrapped)
JD Crawler Dozer 650H

ABP N83 321085



Variable resistor assembly,
Rotary potentiometer - 5k ohms,
knob not included
Metripak Connection

SPECIFICATIONS

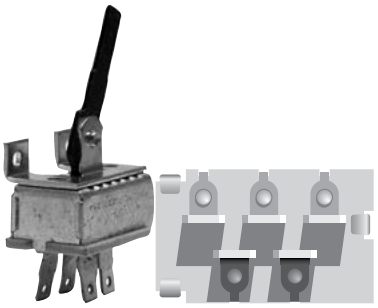


Listed in ascending order by dimension:
A=Base length **B**=Base width **C**=Flange to Blade End
D= Flange to Bezel Shaft Top **E**=Diameter-Thread **F**= Keyway

Dimensions										
A	B	C	D	E	F	Type/Description	Function	Terminals	No. of Type	Alliance P/N
1 1/8	5/8	1 7/64	1/2	15/32-32UNS-2A	.072 x .038	SPST/Chrome	On - Off	2	1/4" male blade	**ABP N83 322345**
1 1/8	5/8	1 3/32	1/2	15/32-32UNS-2A	.072 x .038	SPDT/Black	On - Off - On	3	1/4" male blade	**ABP N83 322185**
1 5/16	3/4	1 1/4	1/2	15/32-32UNS-2A	.072 x .038	DPDT/Chrome	On - On - On	4	1/4" male blade	**ABP N83 322340**
1 5/16	3/4	1 1/4	1/2	15/32-32UNS-2A	.072 x .038	DPDT/Chrome	On - Off - On	6	1/4" male blade	**ABP N83 322055**
1 5/16	3/4	1 5/16	1/2	15/32-32UNS-2A	.068 x .035	DPDT/Black	On - Off - On	5	1/4" male blade	**ABP N83 322375**
1 5/16	3/4	1 11/32	1/2	15/32-32UNS-2A	.068 x .035	SPST/Black	On - Off	3	1/4" male blade	**ABP N83 322275**
1 1/2	1	1 1/4	1 3/4	Lever	Lever	SPST/Lever	Off - On - On - On	5	1/4" male blade	**ABP N83 322005**
1 3/4	3/4	1 1/2	7/8	Paddle	Paddle	SPDT/Safety	On - Off - On	3	1/4" male blade	**ABP N83 322350**
1 3/4	3/4	1 1/2	7/8	Paddle	Paddle	DPDT/Safety	On - Off - On	5	1/4" male blade	**ABP N83 322355**
1 15/16	1 11/16	1 3/16	1 25/32	Lever	Lever	DP4POS/Lever	Off - On - On - On	10	1/4" male blade	**ABP N83 322060**
				15/32-32UNS-2A		DPDT/Black	On - On - On	4	1/4" male blade	**ABP N83 322170**
				15/32-32UNS-2A		3PDT/Chrome	On - Off - On	9	1/4" male blade	**ABP N83 322240**
				15/32-32UNS-2A		SPST/Chrome	On - Off	4	1/4" male blade	**ABP N83 322030**
				15/32-32UNS-2A		DPDT/Chrome	On - On - On	4	1/4" male blade	**ABP N83 322035**
				15/32-32UNS-2A		DPDT/Chrome	On - Off - On	6	1/4" male blade	**ABP N83 322040**
				15/32-32UNS-2A		SPST/Black	On - Off	3	1/4" male blade	**ABP N83 322050**
				15/32-32UNS-2A		DP4POS/Black	Off - On - On - On	10	1/4" male blade	**ABP N83 322430**
				Lever	Lever	SPST /Bent Lever	Off - On - On - On	5	1/4" male blade	**ABP N83 322003**
				Lever	Lever	SPST/Lever	Off - On - On - On	5	1/4" male blade	**ABP N83 322000**
				Lever	Lever	4 Position/Lever	Off - Low - Med - Hi	4	1/4" male blade	**ABP N83 322063**
				Lever	Lever	DP4POS/Lever	Off - On - On - On	10	1/4" male blade	**ABP N83 322067**
				Lever	Lever	4 Position/Lever	Off - Low - Med - Hi	5	1/4" male blade	**ABP N83 322361**
				Lever	Lever	4 Position/Lever	Off - Low - Med - Hi	5	1/4" male blade	**ABP N83 322631**
				Lever	Lever	4 Position/Lever	Low - Med 1 - Med 2 - Hi	4	1/4" male blade	**ABP N83 322013**
				Lever	Lever	4 Position/Lever	Low - Med 1 - Med 2 - Hi	4	1/4" male blade	**ABP N83 322113**

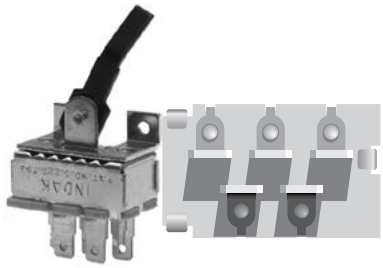
Mounting nuts are 15/32 - 32 UNF-2B

ABP N83 322000



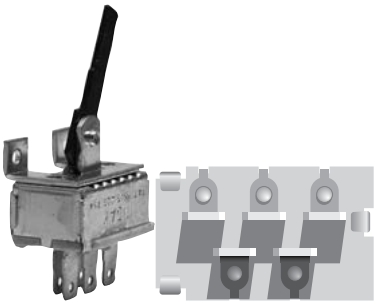
SPST Type
Uses 71R4030 knob
Function: OFF - ON - ON - ON
5 Terminals

ABP N83 322003



SPST Type with Bent Lever
Uses 71R4030 knob
OFF - ON - ON - ON
5 Terminals

ABP N83 322005



SPST Type
Uses 71R4030 knob
Function: OFF - ON - ON - ON
5 Terminals

ABP N83 322013



Lever Switch
4 Position Type
Function: Lo - M1 - M2 - High
5 Terminals

ABP N83 322030



SPST
Chrome Toggle
ON-OFF
4 Terminals

ABP N83 322035



DPDT
Chrome Toggle
ON-ON-ON
4 Terminals

ABP N83 322040



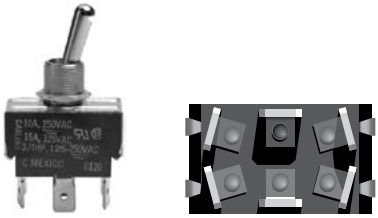
DPDT
Chrome Toggle
ON-OFF-ON
6 Terminals

ABP N83 322050



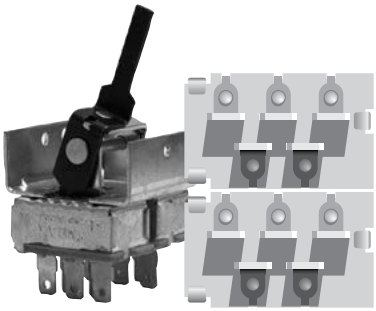
SPST
Black Toggle
ON-OFF
3 Terminals

ABP N83 322055



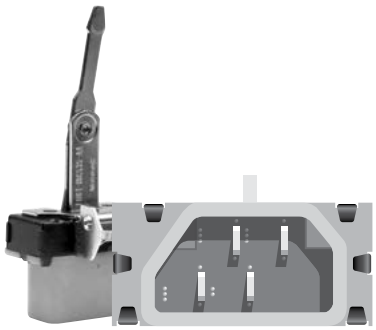
DPDT Type
Chrome Toggle
Function: ON - OFF - ON
6 Terminals

ABP N83 322060



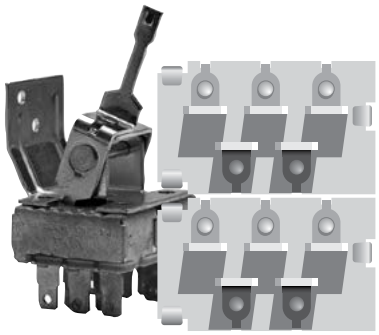
DP4POS Type
Uses ABP N83 316055 knob
Function: OFF - ON - ON - ON
10 Terminals

ABP N83 322063



Freightlner
Lever Switch, Single Pole,
4 Position Type - Uses ABP N83 316055 knob
Function: OFF - LOW - MED - HIGH
4 Terminals

ABP N83 322067



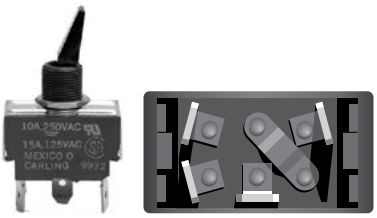
DP4POS Type
Function: OFF - ON - ON - ON
10 Terminals

ABP N83 322113



Lever Switch, Single Pole,
4 Position Type
Function: LOW - MED1 - MED2 - HIGH
4 Terminal

ABP N83 322170



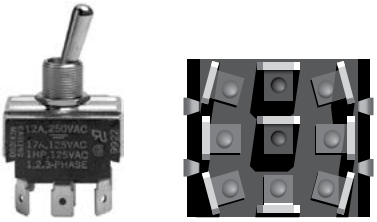
DPDT Type
Black Toggle
Function: ON - ON - ON
4 Terminals

ABP N83 322185



SPDT Type — Black Toggle
Function: ON - OFF - ON
3 Terminals

ABP N83 322240



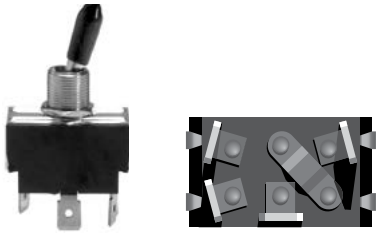
3PDT Type — Chrome Toggle
Function: ON - OFF - ON
9 Terminals

ABP N83 322275



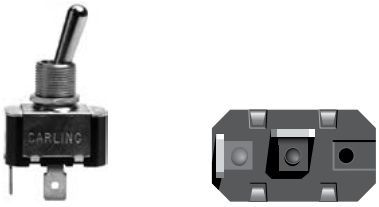
SPST Type — Black Toggle
Function: ON - OFF
3 Terminals

ABP N83 322340



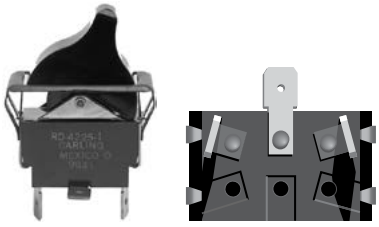
DPDT Type — Chrome Toggle
Function: ON - ON - ON
4 Terminals

ABP N83 322345



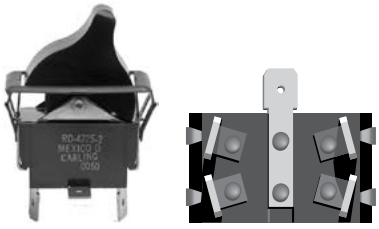
SPST Type — Chrome Toggle
Function: ON - OFF
2 Terminals

ABP N83 322350



SPDT Type — Safety Toggle
Function: ON - OFF - ON
3 Terminals

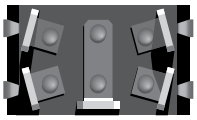
ABP N83 322355



DPDT Type — Safety Toggle
Function: ON - OFF - ON
5 Terminals

ABP N83 322375





DPDT Type — Black Toggle
Function: ON - OFF - ON
5 Terminals

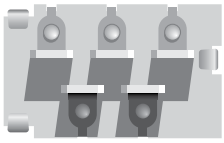
ABP N83 322430



DP – Black Toggle
OFF-ON-ON-ON
10 Terminals

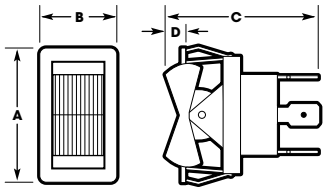
ABP N83 322631





Lever Switch, Single Pole,
4 Position Type
Function: OFF - LOW - MED - HIGH
5 Terminals

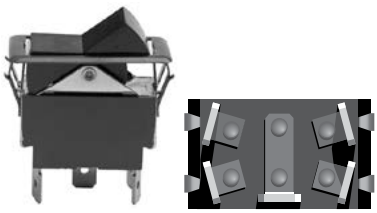
SPECIFICATIONS



Listed in ascending order by dimension:
A=Base length **B**=Base width **C**=Overall Depth **D**=Flange to Rocker Height

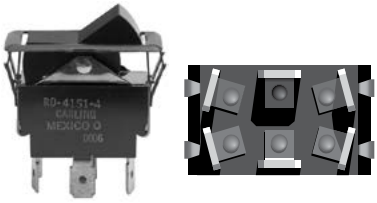
Dimensions							No. of	Light		
A	B	C	D	Type	Rating	Function	Terminals	Type	Illumination	Alliance P/N
⅞	⅝	1	⅛	SPST	12VDC, 15 amps	On-Off	3	¼" male blade	Blue	**ABP N83 322226**
⅞	⅝	1	⅛	SPST	12VDC	On-Off	3	¼" male blade	Green	**ABP N83 322227**
⅞	⅝	1	⅛	SPST	12VDC	On-Off	3	¼" male blade	White	**ABP N83 322228**
⅞	⅝	1	⅛	SPST	12VDC	Off-On	2	¼" male blade	None	**ABP N83 322229**
1 ⅓	⅝	1 ¾	¼	SPDT	12VDC 15 amps	On-Off-On	3	¼" male blade	None	**ABP N83 322320**
1 ⁹⁄₁₆	⅞	1 ⅞	⅜	SPST	12VDC	On-On	2	¼" male blade	None	**ABP N83 322215**
1 ⁹⁄₁₆	⅞	1 ⅞	⅜	DPST with jumper	12VDC	On-On	5	¼" male blade	None	**ABP N83 322180**
1 ⁹⁄₁₆	⅞	1 ⅞	⅜	DPDT with jumper	12VDC 15 amps	On-Off-On	5	¼" male blade	None	**ABP N83 322325**
1 ⁹⁄₁₆	⅞	1 ⅞	⅜	DPDT	12VDC	On-Off-On	6	¼" male blade	None	**ABP N83 322205**
2	1	2	½	SPDT	12VDC	On-Off-On*	4	¼" male blade	Red	**ABP N83 322222**
2	1	2	½	DPDT	12VDC	Off-On-On	4	¼" male blade	Blue	**ABP N83 322223**
2	1	2	½	DPDT	12VDC	On-On-On	4	¼" male blade	None	**ABP N83 322224**
2	1	2	½	DPDT	24VDC	Off-On-On	4	¼" male blade	Blue	**ABP N83 322232**
2	1	2	½	SPST	24VDC	Off-On*	4	¼" male blade	White	**ABP N83 322234**
2 ⅞	¹⁵⁄₁₆	1 ⅞	⅜		12VDC		8	¼" male blade	Blue	**ABP N83 322233**

ABP N83 322180



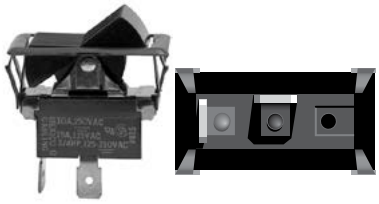
DPST Type with Jumper
Function: On-On
5 Terminals

ABP N83 322205



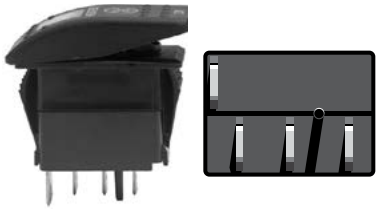
DPDT Type
Function: On-Off-On
6 Terminals

ABP N83 322215



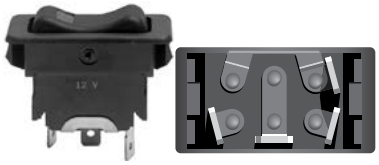
SPST Type
Function: On-On
2 Terminals

ABP N83 322222



SPDT Type — Function: On-Off-On*
4 Terminals 12 VDC
Red Light

ABP N83 322223



DPDT Type — Function: Off-On-On
4 Terminals 12 VDC
Blue Light

ABP N83 322224



DPDT Type — Function: Off-On-On
4 Terminals 12 VDC

ABP N83 322226



SPST Type — Function: On-Off
3 Terminals 12 VDC
Blue Light — 15 amps

ABP N83 322227



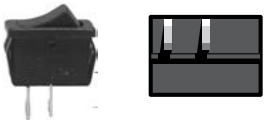
SPST Type — Function: On-Off
3 Terminals 12 VDC
Green Light

ABP N83 322228



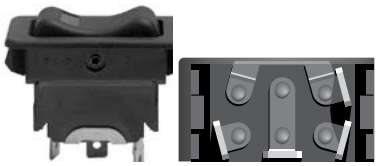
SPST Type — Function: On-Off
3 Terminals 12 VDC
White Light

ABP N83 322229



SPST Type — Function: Off-On
2 Terminals 12/24 VDC

ABP N83 322232



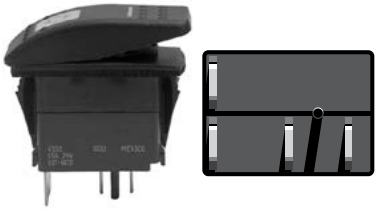
DPDT Type — Function: Off-On-On
4 Terminals 24 VDC
Blue Light

ABP N83 322233



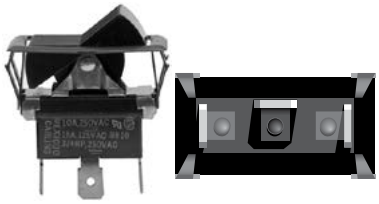
8 Terminals 12 VDC
Blue Light

ABP N83 322234



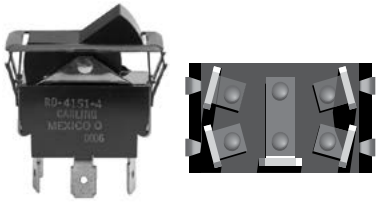
SPST — Function: Off-On*
4 Terminals 24 VDC
White Light
OE Cat #107-6070

ABP N83 322320



SPDT Type — Function: On-Off-On
3 Terminals, 12 VDC
15 amps

ABP N83 322325



DPDT Type with Jumper
Function: On-Off-On
5 Terminals, 12 VDC
15 amps

SPECIFICATIONS

Listed in ascending order by current (amps) rating

Amps	Mounting Dimensions Length	Width	Height	Shaft Dimension	Terminal Contact	Description	Voltage Rating	Max Op Voltage	Alliance P/N
5	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320055**
15	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320050**
20	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320052**
25	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320062**
30	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320060**
35	1 3/8	1 3/8	11/16	7/16" - 28 thread	2	1/4" Blade	250VAC	50VDC	**ABP N83 320065**

ABP N83 320050



Current Rating: 15 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

ABP N83 320052



Current Rating: 20 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

ABP N83 320055



Current Rating: 5 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

ABP N83 320060



Current Rating: 30 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

ABP N83 320062



Current Rating: 25 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

ABP N83 320065



Current Rating: 35 amp
Maximum operating voltage: 50VDC @250VAC
Terminal: 1/4" blade
Dimensions: 1 3/8" x 1 3/8" x 2/3"
Mounting: 7/16", 28 thread

WIRE LOOM CONDUIT



ABP N83 327540
0.250 inside diameter black wire loom conduit

ABP N83 327541
0.375 inside diameter black wire loom conduit

ABP N83 327542
0.500 inside diameter black wire loom conduit

All Wire Loom Conduit is sold in 8′ lengths



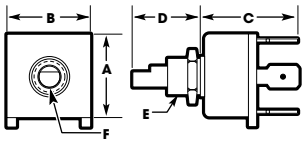
ABP N83 327543
0.250 inside diameter gray wire loom conduit

ABP N83 327544
0.413 inside diameter gray wire loom conduit

ABP N83 327545
0.500 inside diameter gray wire loom conduit

ABP N83 327546
0.625 inside diameter gray wire loom conduit

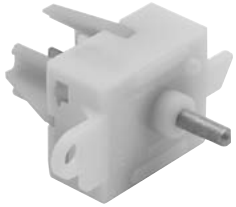
SPECIFICATIONS



Listed in ascending order by dimension:
A=Base length **B**=Base width **C**=Overall Depth
D= Flange to Shaft Height **E**=Diameter-Thread **F**= D Shaft Diameter

Dimensions									Terminals		Alliance
A	B	C	D	E	F	Type	Rating	Function	#	Type	Part No.
1	1	1 1/4	1	7/16-28UNF	3/8	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322190**
1	1	1 1/4	1	7/16-28UNF	3/8	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322680**
1 5/32	1 1/16	1 1/4	5/8	7/16-28UNF	1/4	DP3T	15 amps, 12VDC	Off-Low-Med-High	4	1/4 male blade	**ABP N83 323063**
1 5/32	1 1/16	1 1/4	11/16	7/16-28UNF	3/8	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322150**
1 5/32	1 1/16	1 1/4	7/8	7/16-28UNF	1/4	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322152**
1 5/32	1 1/16	1 25/32	11/16	7/16-28UNF	1/4	DP3T	18 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 323148**
1 5/16	1 7/16	2 5/8	5/8	7/16-28UNF	1/4	DP3T	15 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322105**
1 3/4	1 3/8	1 5/32	1 1/4	3/8" -24	1/4	DP3T	25 amps, 12VDC	Off-Low-Med 1-Med 2-High	6	1/4 male blade	**ABP N83 322425**
				7/16-28UNF	1/4	DP3T	25 amps, 12VDC	Off-Low-Med-High	5	1/4 male blade	**ABP N83 322280**
							Blower Switch, Front Main Control, Ford OE #F4UZ19986A				**ABP N83 322022**
							Blower Switch, Aux Fan, Ford F Series, Sterling OE #F4DZ-19986A				**ABP N83 322093**

ABP N83 322022



Blower Switch
Front Main Control
Ford OE #F4UZ19986A.

ABP N83 322093



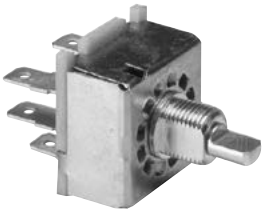
Blower Switch
Aux Fan, Ford F Series, Sterling
OE #F4DZ-19986A

ABP N83 322105



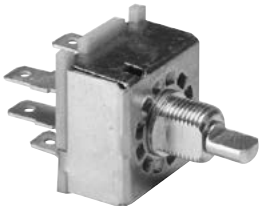
Tandem Blower Switch With Resistor
DP3T, 4-position, 5 terminals
15 amps
Mounting hole: .500"

ABP N83 322150



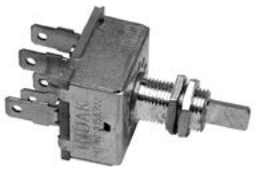
3 speed DP3T 4-position, 5 terminals
25 amps
Mounting hole: .442" x .385" - "D" hole
Short Shaft

ABP N83 322152



3 speed DP3T 4-position, 5 terminals
25 amps
Mounting hole: .442" x .385" - "D" hole

ABP N83 322190



3-Speed (includes 2 nuts) Long Shaft
DP3T, 4 position, 5 terminals
25 amps
Mounting hole: .442" x .385" - "D" hole

ABP N83 322280



3 speed, DP3T 4-position, 5 terminals
25 amps
Mounting hole: .442" x .385" - "D" hole

ABP N83 322425



5 speed DP3T 5-position, 6 terminals
25 amps
Mounting hole: .375"

ABP N83 322680 LS



3 speed, DP3T 4-position, 5 terminals
Long Shaft, 25 amps
Mounting hole: .442" x .385" - "D" hole

ABP N83 323063



3 speed (low, medium, high)
DP3T, 4-position, 5 terminals
15 amps
Mounting hole: .442" x .385" - "D" hole

ABP N83 323148



3 Speed with Resistor -
DP3T, 4-position, 5 terminals
18 amps
Uses Knob ABP N83 316035, next page
Mounting hole: .500"

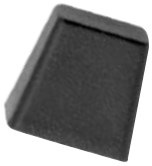
CONTROL KNOBS

ABP N83 316035



¼" Shaft & Set Screw
45° offset
Flush mount
Diameter: 1.25"
Height: .85"
Shaft recess: ¾"

ABP N83 316040



Black Plastic Press Fit
Lever control
Base: .67" x .45"
Height: ⅝"
Fits: .3" x .1" lever shaft, spring retainer

ABP N83 316050



¼" Shaft & Set Screw

ABP N83 316055



Black Plastic Press Fit
Lever control
Base: .400 x .390
Height: ⅞"
Fits: .3" x .1" lever shaft, spring retainer

ABP N83 316115



10-32 Internal Threads
¼" Shaft Diameter

ABP N83 316120



Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: ¼"
@ 46°

ABP N83 316125



Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: ¼"
@ 270°

ABP N83 316130



Convex, Flush Mount
Diameter: 1.6"
Height: .91"
"D" Shaft diameter: ¼"
@ 90°

ABP N83 316140



¼" Shaft & Set Screw, 45° offset
Flush mount
Diameter: 1 ¼", Height: .85"
Shaft recess: ¾"

ABP N83 316170



Convex, Flush Mount
Diameter: 1.31"
Diameter with Pointer: 1.61"
Height: .88"
"D" Shaft diameter: ¼"
@ 90°

ABP N83 316175



Control knob for electronic water valves ABP N83 324530 and ABP N83 324545

ABP N83 316180



Control knob for water valves, optional for ABP N83 324530 and ABP N83 324545

PUSH BUTTON SWITCH

ABP N83 322335



12VDC (Lighted), SPST
Round

ABP N83 322580



AC Compressor Switch
SPST, 6 amps, 1" square button, 1 ⅜" frame

ABP N83 322700 LS



Switch is normally Closed
Packard two-way connector 2977647
2.65" Length 1" Round

LS = Limited to stock on hand

SPECIFICATIONS

Listed in ascending order by **Capillary Length**

Capillary Length	Temp. Range (°F)	Clutch Cycle Range	Mount Hole Spacing	Description/Notes	Alliance P/N
ROTARY (VARIABLE)					
18”	28° - 62°	6°	—	Variable	**ABP N83 323088**
27”	34° - 52°	5°	—	Variable	**ABP N83 323138**
36”	34° - 52°	5°	—	Variable	**ABP N83 323118**
48”	34° - 52°	5°	—	Variable	**ABP N83 323108**
66”	34° - 52°	5°	—	Variable	**ABP N83 323098**
73”	35° - 44°	—	—	Variable	**ABP N83 323238**
CABLE CONTROLLED					
18”	26° - 66°	8°	2 3/16	Variable	**ABP N83 323034**
30”	34° - 54°	5°	2 15/16	Variable	**ABP N83 323014**
31 ½	25° - 75°	5°	—	Optional side mount	**ABP N83 323004**
43”	30° - 62°	10°	2 15/16	Variable	**ABP N83 323024**
PRESET (FIXED) SETTING					
12”	31° - 39°	—	—	Flange base with optional side mount	**ABP N83 323140**
12”	31° - 40°	8°	—	Flange base with optional side mount	**ABP N83 323050**
16”	28° - 35°	7°	—	Flange base with optional side mount	**ABP N83 323000**
18”	28° - 35°	7°	—	Flange base mount	**ABP N83 323120**
18”	34° - 40°	—	—	Flange base mount	**ABP N83 323160**
21”	31° - 40°	—	—	Flange base with optional side mount	**ABP N83 323110**
24”	31° - 39°	8°	2 1/4	Flange base with optional side mount	**ABP N83 323010**
24”	34° - 38°	5°	2 1/8	Flange base mount	**ABP N83 323040**
24”	34° - 44°	9°	2 3/4	Flange base mount, 12v 5 amps, electronic	**ABP N83 323130**
25”	34° - 44°	8°	2 3/16	Flange base mount	**ABP N83 323065**
31 ½	35° - 40°	—	—	Flange base with optional side mount	**ABP N83 323020**
32”	31° - 39°	—	2 1/8	Flange base with optional side mount	**ABP N83 323228**
33”	40° - 85°	5°	2 3/16	Flange base with optional side mount	**ABP N83 323150**

ROTARY (VARIABLE) TEMPERATURE THERMOSTATS

ABP N83 323088



Capillary Length: 18”
Variable Temperature Type
Range: 28° - 62°F
Clutch Cycle Range: 6°F

ABP N83 323098



Capillary Length: 66”
Variable Temperature Type
Range: 34° - 52°F
Clutch Cycle Range: 5°F

ABP N83 323108



Capillary Length: 48”
Variable Temperature Type
Range: 34° - 52°F
Clutch Cycle Range: 5°F

ABP N83 323118



Capillary Length: 36”
Variable Temperature Type
Range: 34° - 52°F
Clutch Cycle Range: 5°F

ABP N83 323138



Capillary Length: 27”
Variable Temperature Type
Range: 34° - 52°F
Clutch Cycle Range: 5°F

ABP N83 323238



Capillary Length: 72 ¾”
Type: VARIABLE
Temp. Range: 35° - 44°F

Rotary thermostats use **ABP N83 316050** or **ABP N83 316035** knob.

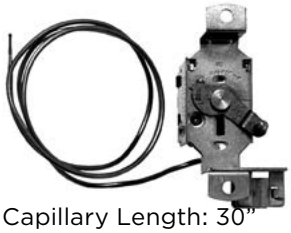
CABLE CONTROLLED THERMOSTATS

ABP N83 323004



Capillary Length: 31½”
Variable Temperature Type
Range: 25°-75°F
ClutchCycleRange:5°F

ABP N83 323014



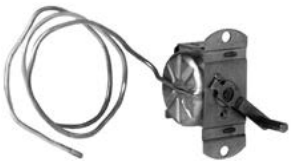
Capillary Length: 30”
Variable Temperature Type
Range: 34°-54°F
Clutch Cycle Range: 5°F Mounting hole spacing: 2 15/16”

ABP N83 323024



Capillary Length: 43”
Variable Temperature Type
Range: 30°-62°F
Clutch Cycle Range: 10°F Mounting hole spacing: 2 15/16”
IHC#581691C1

ABP N83 323034



Capillary Length: 18”
Variable Temperature Type
Range: 26°-66°F
Clutch Cycle Range: 8°F Mounting hole spacing: 2 3/16”

PRESET (FIXED) SETTING THERMOSTATS

ABP N83 323000



Cap Length: 16”
Fixed Temperature Type
Range: 28°- 35°F
ClutchCycleRange:7°F

ABP N83 323010



Cap Length: 24”
Fixed Temperature Type
Range: 31°- 39°F
ClutchCycleRange:8°F
Mounting hole spacing: 2 ¼”

ABP N83 323020



Cap Length: 31½”
Fixed Temperature Type
Range: 35°- 40°F

ABP N83 323040



Cap Length: 24”
Fixed Temperature Type
Range: 34°- 38°F
ClutchCycleRange:5°F
Mounting hole spacing: 2 ⅛”

ABP N83 323050



Cap Length: 12”
Fixed Temperature Type
Range: 31°- 40°F
ClutchCycleRange:8°F

ABP N83 323065



Cap Length: 25”
Fixed Temperature Type
Range: 34°- 44°F
ClutchCycleRange:8°F
Mounting hole spacing: 2 3/16”

ABP N83 323110



Cap Length: 21”
Fixed Temperature Type
Range: 31°- 40°F
Mounting hole spacing: 2 ⅛”

ABP N83 323120



Cap Length: 18”
Fixed Temperature Type
Range: 28°- 35°F
ClutchCycleRange:7°F

ABP N83 323130



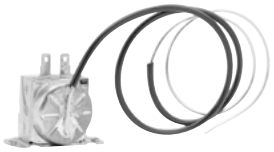
Mounting hole spacing: 2 ¾
Capillary Length: 24”
Type: FIXED (Electronic 12v, 5 amps)
Temp.Range:34°-44°F
ClutchCycleRange:9°F

ABP N83 323140



Capillary Length: 12”
Fixed Temperature Type
Temp.Range:31°-39°F

ABP N83 323150



Mounting hole spacing: 2 3/16”
Capillary Length: 33”
Type: FIXED
Temp.Range:40°-85°F
ClutchCycleRange:5°F

ABP N83 323160



Capillary Length: 18”
Fixed Temperature Type
Temp.Range:34°-40°F

ABP N83 323228



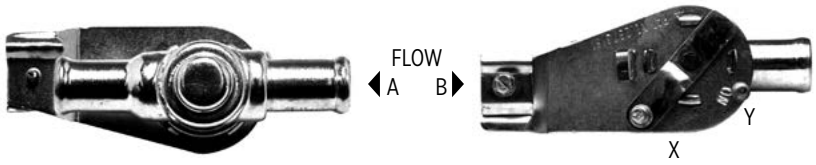
Capillary Length: 24”
Fixed Temperature Type
Temp.Range:31°-39°F
ClutchCycleRange:5°F
Mounting hole spacing: 2 ⅛”

WATER VALVES

20

CABLE CONTROLLED WATER VALVES (METAL)

AUTOMOTIVE and heavy-duty TYPE - IN LINE



Alliance P/N	Dimensions	Flow	On	Off
ABP N83 324010	⅝" Hose to ⅝" Hose	A	Y	X
ABP N83 324050	⅝" Hose to ⅝" Hose	B	X	Y
ABP N83 324065	¾" Hose to ¾" Hose	A	X	Y
ABP N83 324215	⅝" Hose to ⅝" Hose	A	X	Y
ABP N83 324610	⅝" Hose to ⅝" Hose	B	X	Y

All cable controlled water valves are complete with cable clamp & mounting hardware.

APB N83 324020



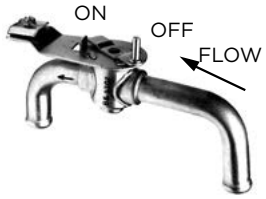
⅝" Hose to ⅝" Hose
Manual Open & Close

ABP N83 324025



¾" Hose to ¾" Hose
Manual Open & Close

ABP N83 324120



⅝" Hose, 90° Elbow to
⅝" Hose, 110° elbow
Pull To Open

ABP N83 324445



⅝" Hose to ¾" Hose
Pull To Open

RED DOT ENGINEERED POLYMER CABLE CONTROLLED WATER VALVES

ABP N83 324005



⅝" Hose to ⅝" Hose
90° Elbow* – Pull To Open

ABP N83 324030



⅝" Hose to ⅝" Hose
90° Elbow*
Pull To Close

ABP N83 324070



⅝" Hose to ⅝" Hose
Pull To Open

ABP N83 324073



⅝" Hose to ⅝" Hose
Pull To Open

ABP N83 324080



⅝" Hose to ⅝" Hose
Pull To Close

ABP N83 324450



⅝" Hose to ⅝" Hose

ABP N83 324452

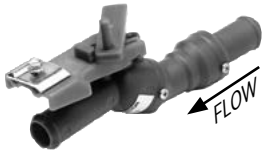


⅝" Hose to ⅝" Hose
Push To Open

RED DOT CABLE CONTROLLED WATER VALVES WITH FLOW RESTRICTER

Red Dot has designed these water valves with a flow restricter. The restricter reduces water flow to approximately five to six gallons per minute through the heater core. The benefits are easier modulation, extended water valve life and maximized heater core efficiency.

ABP N83 324003



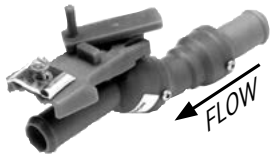
⅝" Hose to ⅝" Hose
Push To Open

ABP N83 324013



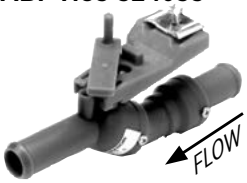
⅝" Hose to ⅝" Hose
Pull To Open

ABP N83 324023



⅝" Hose to ⅝" Hose
Pull To Open

ABP N83 324033



⅝" Hose to ⅝" Hose
Push To Open

ABP N83 324043



⅝" Hose to ⅝" Hose
Push To Open

ABP N83 324140



½" NPT to ½" hose
manual shut off

ABP N83 324145



⅝" hose to core mount
pull to close

ABP N83 324150



⅝" hose to core mount
pull to open

ABP N83 324155



⅝" hose to ⅝" hose
to 90° elbow
pull to close

ABP N83 324160



⅝" hose to ⅝" NPT
pull to close

ABP N83 324190



¾" hose to ¾" hose
pull to open

ABP N83 324425



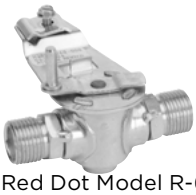
Pull To Open Cable
Controller
Fits Freightliner
FTLC120 Century Class
1996-2002
OE#44-553-000

ABP N83 324427



Water Valve for
Caterpillar
24H Motor Grader

ABP N83 324520



Red Dot Model R-6120
Gillig Bus, R-6135
Orion Bus, Gillig Models
21-43550, 21-55565
Orion Models
071320036, 058, 151
⅝" x **⅝**" hose
½ NPT - **½** NPT
Cable controlled
Pull to Open

ABP N83 324525



⅝" Hose To Core Mount
Pull to Open
Fits Freightliner and
Volvo
applications
Volvo OE#1118414,
176362

LS = Limited to stock on hand

RED DOT CABLE CONTROLLED WATER VALVES WITH FLOW RESTRICTER

Red Dot has designed these water valves with a flow restricter. The restricter reduces water flow to approximately five to six gallons per minute through the heater core. The benefits are easier modulation, extended water valve life and maximized heater core efficiency.

ABP N83 324550



⅝" Hose To ⅝" Hose
Pull to Close
Fits Freightliner Applications

ABP N83 324555
ABP N83 324580



⅝" Hose To Core Mount
Pull to Close
Fits Freightliner and Volvo Applications

ABP N83 324570



⅝" Hose To ⅝" Hose
Pull to Close
Fits Freightliner Applications

ABP N83 324600



⅝" Hose To Core Mount
– Pull to Open
Fits Caterpillar Long / Large Haul 793, 797

ABP N83 324620



⅝" Hose To Core Mount
Pull to Open
Fits Caterpillar Small Track Tractor (STTT Series) D3, D4, D5

RED DOT AIR OPERATED WATER VALVES

ABP N83 311461



Female fitting for air operated water valves on this page

ABP N83 324015



⅝" Hose To ⅝" Hose

ABP N83 324018



⅝" Hose To ⅝" Hose

ABP N83 324060



⅝" Hose To ⅝" Hose

ABP N83 324400



⅝" Hose To ⅝" Hose

ABP N83 324410



¾" hose to ¾" hose

ABP N83 324420



⅝" Hose To ⅝" Hose

ABP N83 324422



⅝" Hose To ⅝" Hose

ABP N83 324560



⅝" Hose To ⅝" Hose

LS = Limited to stock on hand

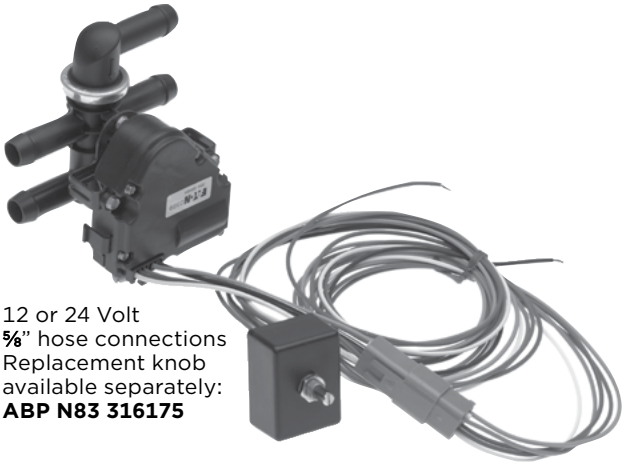
ELECTRONIC WATER VALVE

ABP N83 324395



12 or 24 Volt
⅝" hose connections
Replacement knob available separately: **ABP N83 316175**

ABP N83 324545



12 or 24 Volt
⅝" hose connections
Replacement knob available separately:
ABP N83 316175

ABP N83 324575



Replacement Electronic Water Valve

ABP N83 324605



12 or 24 Volt ¾" hose connections
Replacement water valve for R-5300

CONTROL CABLES

Alliance PP/N	Description	End 1	End 2
ABP N83 327351	18” with knob	**C**	**B**
ABP N83 327352	20” with knob	**C**	**B**
ABP N83 327346	38” with knob	**C**	**B**
ABP N83 327347	76” with knob	**C**	**B**
ABP N83 327353	24”	**A**	**C**
ABP N83 327373	24”	**C**	**C**
ABP N83 327348	29”	**A**	**C**
ABP N83 327354	36”	**A**	**C**
ABP N83 327372	36”	**C**	**C**
ABP N83 327355	41”	**C**	**C**
ABP N83 327367	44”	**C**	**C**
ABP N83 327362	46”	**C**	**C**
ABP N83 327361	46”	**A**	**C**
ABP N83 327363	57”	**A**	**C**
ABP N83 327357	65 ½	**A**	**B**
ABP N83 327364	76”	**A**	**C**
ABP N83 327366	79”	**A**	**C**
ABP N83 327358	80”	**A**	**C**



A **B** **C**

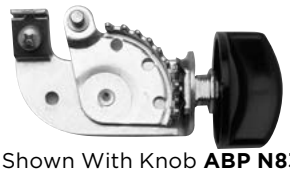
CABLE CONVERTER ASSEMBLIES

ABP N83 327379

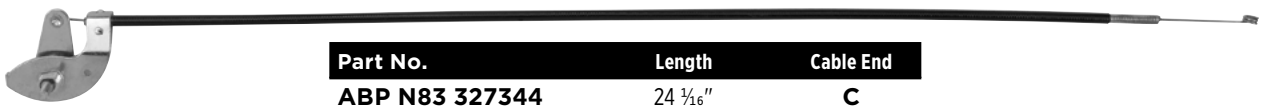


Converter Control and Cable 28 ¾” long
Recommended Knob: **ABP N83 316050**

ABP N83 327835



Shown With Knob **ABP N83 316130**
Use With Cable Ends “A” & “C”
Replacement Hot/Cool Label RD-5-8886-0M



Part No.	Length	Cable End
ABP N83 327344	24 1⁄16″	**C**
ABP N83 327356	27 ¼″	**C**
ABP N83 327377	83 ¼″	**C**

MISCELLANEOUS 21

REFRIGERANT CAUTION LABELS

PLEASE NOTE: When servicing R-12 and R-134a systems, the tools that come in contact with the refrigerant (such as gauge sets, charging equipment and recovery recycle equipment) must be dedicated to one refrigerant or cross contamination may occur.

ABP N83 327330

WARNING: CONTAINS R-12

A SUBSTANCE WHICH HARMS
PUBLIC HEALTH AND ENVIRONMENT
BY DESTROYING OZONE IN
THE UPPER ATMOSPHERE

TO REMOVE R-12
FROM THE A/C SYSTEM USE
SERVICE EQUIPMENT CERTIFIED
TO MEET THE REQUIREMENTS
OF S.A.E. J2209 OR J1990

AIR CONDITIONER

RED DOT CORP. SEATTLE, WA MODEL NO.

MAXIMUM OPERATING CHARGE OF REFRIGERANT: Lb oz

MAXIMUM OIL CHARGE oz

COMPLIES WITH SAE J639

CAUTION

REFRIGERANT UNDER HIGH PRESSURE SYSTEM TO BE SERVICED BY QUALIFIED PERSONNEL ONLY. IMPROPER SERVICE METHOD MAY CAUSE INJURY. CONSULT SHOP MANUAL

FILL OUT AND ATTACH THIS LABEL TO VEHICLES

10 per package

ABP N83 327315

CAUTION: CONTAINS R-134a

AVOID BREATHING A/C REFRIGERANT
AND LUBRICANT VAPOR OR MIST.
EXPOSURE MAY IRRITATE EYES, NOSE AND THROAT.
TO REMOVE R-134a
FROM A/C SYSTEM, USE SERVICE EQUIPMENT
CERTIFIED TO MEET THE REQUIREMENTS OF S.A.E.
J2210.
IF ACCIDENTAL SYSTEM DISCHARGE OCCURS,
VENTILATE WORK AREA BEFORE RESUMING SERVICE.
ADDITIONAL HEALTH AND SAFETY INFORMATION
MAY BE OBTAINED FROM REFRIGERANT

AIR CONDITIONER

RED DOT CORP. SEATTLE, WA MODEL NO.

MAXIMUM OPERATING CHARGE OF REFRIGERANT: Lb oz

MAXIMUM OIL CHARGE oz

COMPLIES WITH SAE J639

CAUTION

REFRIGERANT UNDER HIGH PRESSURE SYSTEM TO BE SERVICED BY QUALIFIED PERSONNEL ONLY. IMPROPER SERVICE METHOD MAY CAUSE INJURY. CONSULT SHOP MANUAL

FILL OUT AND ATTACH THIS LABEL TO VEHICLES

10 per package

ATCO CRIMP TOOLS

ABP N83 327157



Bubble Crimp Kit for use with Air Impact Wrench

Replacement Dies for **ABP N83 327157** (above)

ABP N83 327616	#6 Reduced Barrier Die
ABP N83 327626	#6 Standard Die #8 Reduced Barrier Die
ABP N83 327628	#8 Standard Die
ABP N83 327621	#10 Reduced Barrier Die
ABP N83 327631	#10 Standard Die #12 Reduced Barrier Die
ABP N83 327632	#8 Reduced Barrier Die

REPLACEMENT DIES

For **ABP N83 325014** and **ABP N83 327900**

ABP N83 327726	Standard Die #6
ABP N83 327722	Standard Die #12
ABP N83 327736	Reduced Bead Die #6
ABP N83 327738	Reduced Bead Die #8
ABP N83 327731	Reduced Bead Die #10

For **ABP N83 325014**

ABP N83 327726	Standard Crimp Die #6
ABP N83 327728	Standard Crimp Die #8
ABP N83 327721	Standard Crimp Die #10
ABP N83 327722	Standard Crimp Die #12
ABP N83 327736	Reduced Barrier Die #6
ABP N83 327738	Reduced Barrier Die #8
ABP N83 327731	Reduced Barrier Die #10
ABP N83 327732	Reduced Barrier Die #12

BUBBLE CRIMP KIT

ABP N83 325240
Hand Crimper
Use with Red Dot Hose



ABP N83 327177
Bubble Crimp Kit with Hydraulic Hand Pump and 6' Hose



ABP N83 327905
Hydraulic Hand Pump and 6' Hose with Male Quick Disconnect



ABP N83 327915
HYDRAULIC CYLINDER
Retro Fit Hydraulic Cylinder for 79R1510, Bubble Crimp Kit with Female Quick Disconnect



AEROQUIP® E-Z CLIP FITTINGS & TOOLS

TOOL KIT

ABP N83 327980

Includes:

20 each: Clips: #6, #8, #10, #12
10 each: Cages: #6, #8, #10, #12
Connecting Tool ABP N83 327981
Hose Cutter ABP N83 327983
Replacement blade for Hose Cutter



STEEL FIELDCASE

ABP N83 327990

Includes:

100 each: Clips: #6, #8, #10, #12
50 each: Cages: #6, #8, #10, #12
50 each: O-Rings: #6, #8, #10, #12
100 each: O-Ring Nipple: #6, #8, #10, #12
Connecting Tool ABP N83 327981
Hose Cutter ABP N83 327983
2 Replacement blades for Hose Cutter



CAGES & CLIPS



Packages of 10

	CAGES	CLIPS
#6	**ABP N83 310966**	**ABP N83 310976**
#8	**ABP N83 310968**	**ABP N83 310978**
#10	**ABP N83 310961**	**ABP N83 310971**
#12	**ABP N83 310962**	**ABP N83 310972**

CAPS

Threaded protective caps — Packages of 20

	Size
ABP N83 310979	E-Z Clip Low Side Cap
ABP N83 310980	E-Z Clip High Side Cap

CONNECTING TOOL

ABP N83 327981



#6-12 Connecting Tool

ABP N83 327981



#16 Connecting Tool

HOSE CUTTER & BLADE

ABP N83 327983



Maximum hose O.D. 2”

Replacement Blades **ABP N83 327982**

E-Z CLIP O-RINGS



ABP N83 312346
#6

ABP N83 312348
#8

ABP N83 312340
#10

ABP N83 312342
#12

ABP N83 312103
#16

O-Rings ship 25 per package

R-134A

ABP N83 327408
Air Conditioning Recovery/Recycling Unit (R-134a, 110V, 60 Hz)



Simplest, easiest to use air conditioning service units on the market today (helps technicians meet today's tough service standards)

Operation is quick and efficient (lowers air conditioning service costs)

Easy-to-operate (just connect quick connect couplings to vehicle and push Recovery Recycle switch—unit completes recovery and recycle process)

Built with quality components, such as 1/2 hp, oil-less compressor, new advanced shock resistant scale, dual protected solenoids, and more

Vacuum timer allows technician to set time and two-stage vacuum pump automatically pulls a deep vacuum

Easy to set LCD display (simply scroll to correct charge and push charge switch—system quickly receives refrigerant)

Large 75 mm (3.5 in) gauges allows technician to easily monitor air conditioning system

One-touch air purge eliminates non-condensables in system

- One-touch oil drain, after every service, tells how much oil is needed to keep compressor fully lubricated
- Automatic tank full and high pressure shut-offs
- Shock resistant scales for accurate charging
- Single-pass filtering system
- Built-in manifold gauge set
- Moisture indicator
- Tank refill adapter
- Modular design for easy repair
- Large pneumatic tires
- Premium hoses approved to SAE2197 standard
- Fully factory tested
- Built-in accessory and tool storage box

Specifications

Recovery tank	One 50-pound
Dimensions (h x w x d)	53″ x 22″ x 27″ (63 x 68 x 134 cm)
Weight	219 lbs.
Vacuum Pump	Two-stage 6 cfm
Hose length	15 ft (4.5 m)
	½” ACME female x 13 mm male adapter

ABP N83 327435



ABP N83 327430



ABP N83 328612



ABP N83 327460



ABP N83 327461

Service Parts

ABP N83 327435	Refrigerant Filter
ABP N83 327430	Refrigerant Prefilter
ABP N83 328612	Refill Adapter (R-134a) Converts Standard R-12 ¼″ flare to R-134a ½ acme threaded
ABP N83 327460	Blue Flex Hose (¼″)
ABP N83 327461	Red Flex Hose (¼″)

RECHARGE OIL PUMP

ABP N83 327425



- Used to replace oil in air conditioning system or compressors after oil has been removed
- Easily works with system pressures up to 2070 kPa (300 PSI)
- Includes bottle with calibration marks, hose, and low side R-134a coupler
- Can be used for R-12 systems (use a regular charging hose with 1/4 inch flare fittings)
- Volume per stroke: 1.5 ounces
- System pressures: up to 2070 kPa (300 PSI)

REFRIGERANT FILTER & PREFILTER

Service parts for:

ABP N83 327408
Air Conditioning Recovery/Recycling Unit (R-134a, 110V)
ABP N83 327410
Air Conditioning Recovery/Recycling Unit (R-134a, 220V)

ABP N83 327430



Refrigerant Filter

Capacity	41 cubic inches
Color	Blue
Dimensions	11½″ (29.2 cm) diameter by 10″ (24.4 cm) long

ABP N83 327435



Refrigerant Prefilter

Function	Removes moisture and oil breakdown particles
Connections	¼″ male flare x ¼″ female flare
Dimensions	3″ (76.2 mm) diameter by 3¼″ (88.9 mm) long

SEALANT FILTER

ABP N83 327432
Trap™ Sealant Filter System

This rugged filter cartridge connects in-line between a vehicle and any A/C service equipment to protect refrigerant supply, recovery system and oil separators.



Features
Hi-tech design captures large volumes of sealant oil sludge and other contaminants while still filtering effectively without plugging. Maintenance is fast and simple with a clean-out drain, and when necessary, easy filter replacement.

AUTOMATIC REFRIGERANT CHARGING SCALES

ABP N83 327450
Automatic Refrigerant Charging Scale (110V, 50 Hz)

ABP N83 327445
Automatic Refrigerant Charging Scale (220-240V, 60 Hz)



- Compatible with all refrigerants
- Program refrigerant amount and scale automatically shuts off when charging is complete
- Corner balancing for accurate charging
- Tare function zeros display for easy charging
- All connections located within case to protect against damage
- Pounds to kilogram switch
- Meets CE requirements

Power	ABP N83 327440 110V, 50 Hz ABP N83 327445 22O-24OV, 60 Hz
Weight limit	110 lb (50 kg) bulk tank maximum
Weight resolution	0.02 lb (0.01 kg)
Display	16 digit alpha numeric LCD
Operating temperature	50 to 120°F (10 to 49°C)
Dimensions (w x l x h)	13 ½″ x 11″ x 4″ (34 x 28 x 10 cm)
Weight	8 lbs (4 kg)

MANUAL REFRIGERANT CHARGING SCALE

ABP N83 327440
Manual Refrigerant Charging Scale (Battery Powered)



- Battery powered for portability — sleep mode extends battery life (batteries included)
- Compatible with all refrigerants
- Displays refrigerant weight while charging from tank
- Corner balancing for accurate charging
- Tare function zeros display for easy charging
- Pounds to kilogram switch

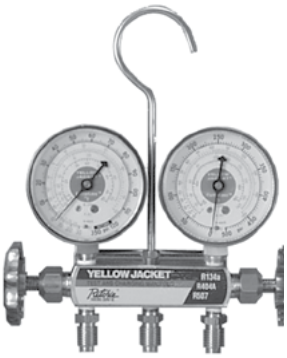
Power	Six AA Batteries
Weight limit	110 lb (50 kg) bulk tank maximum
Weight resolution	0.02 lb (0.01 kg)
Display	16 digit alpha numeric LCD
Operating temperature	50 to 120°F (10 to 49°C)
Dimensions (w x l x h)	13 ½″ x 11″ x 4″ (34 x 28 x 10 cm)
Weight	8 lbs (4 kg)

MANIFOLD GAUGES

ABP N83 327555 Manifold Assembly (R-134a)

ABP N83 327560 Manifold Assembly (R-12)

- Used to check pressure in R-134a and R-12 cooling systems
- Bold, easy to read gauges (large bold numbers and colored scales are easy to read)
- Removable Lexan crystals resist breakage
- Gauge cases are color-coded red and blue
- Pressure tested for reliability
- Forged brass body with metal valve handles for durability
- Surge protector and silicone dampened movement helps minimize needle pulsation
  for easier, more accurate readings
- Sliding, double O-ring pistons with non-rotating design reduces wear and extends
  service life
- Fast acting valve (only 1½ turns for full flow)



STANDARD MANIFOLD GAUGES

ABP N83 327605 Manifold Gauge, Red, R-134a — 0 to 500 PSI (0 to 3447 kPa)

ABP N83 327615 Manifold Gauge, Blue, R-134a — 30 to 0 to 120 PSI (206 to 0 to 827 kPa)

- Bold, high-visibility dials have colored temperature scales for easy reading
- Flutterless technology and surge protection minimize needle pulsation

Accuracy	3-2-3 percent
Diameter	2 ½″ (64 mm)
Connections	⅛″ NPT





ABP N83 327613
3.5” (90mm) Liquid-Filled Manifold Gauge Red 0-500psi
Offset stem fits all major manifold brands
Now with zero adjustment
⅛″ NPT Male connection
Calibrated to 1% accuracy (Class 1)

ABP N83 327614
3.5” (90mm) Liquid-Filled Manifold Guage Blue 30”-0-120psi
Offset stem fits all major manifold brands
Now with zero adjustment
⅛″ NPT Male connection
Calibrated to 1% accuracy (Class 1)





LS = Limited to stock on hand

R-134A TANKS



- For R-134a refrigerant
- Refillable refrigerant tanks are D.O.T. approved for safety
- Come with the valving necessary for recovery and recycling
- Distinctive blue exterior clearly identifies these tanks as R-134a equipment

ABP N83 327635
30 lb. Tank No float switch

ABP N83 327640
30 lb. Tank float Switch

ABP N83 327645
50 lb. Tank No float switch

WRAP-AROUND HEATER



ABP N83 327655
(115V)
- Used to heat 30, 50, and 125 pound refrigerant cylinders
- Maintains an even temperature for constant positive pressure that speeds transfer of refrigerant for a complete charge every time
- Expandable (wraps around 30, 50, and 125 pound refrigerant tanks)
- Thermostat controlled

REFRIGERANT RECOVERY TANKS



- Used to store recovered refrigerants
- ABP N83 327750 and ABP N83 327760 are equipped with 3-pin Brad Harrison connector
- Gray and yellow color coding
- Y-valve allows liquid/vapor collection
- Cylinders equipped with a protective collar and handle
- Float switch plug: 3/4"
- Pressure rating: 2400 kPa (350 PSI)

ABP N83 327750
Cylinder with Float, 30 lbs

ABP N83 327755
Cylinder with Y-Valve (no float), 30 lbs

ABP N83 327760
Cylinder with Float, 50 lbs

ABP N83 327765
Cylinder with Y-Valve (no float), 50 lbs

RECYCLED REFRIGERANT TAG

ABP N83 327332
- Used to identify recycled refrigerant
- An unidentified tank should indicate that refrigerant is dirty and needs to be recycled

R-12 AIR CONDITIONING CHARGING HOSES



- Proven performance
- Double barrier protection for R-12 and R-134a
- Nylon permeation barrier meets U.L. requirements for R-12, R-134a, R-22, and R-503 refrigerants
- Moisture barrier provides improved resistance to moisture (contaminates expensive refrigerant)
- SealRight fittings immediately trap refrigerant in hose when disconnected
- 45˚ end allows easier connection in tight areas
- Gaskets resist deterioration from R-12 and R-134a refrigerants and oils

ABP N83 327480	R-12 Charging Hose, Red	457 cm (15 ft)
ABP N83 327481	R-12 Charging Hose, Blue	457 cm (15 ft)
ABP N83 327482	R-12 Charging Hose, Yellow	457 cm (15 ft)
ABP N83 327483	R-12 Charging Hose, Yellow	244 cm (8 ft)
ABP N83 327484	R-12 Charging Hose, Red (high)	244 cm (8 ft)
ABP N83 327485	R-12 Charging Hose, Blue (low)	244 cm (8 ft)

R-134A AIR CONDITIONING CHARGING HOSES



- 1/4" hoses for R-134a refrigerant
- 1/2" Acme fitting meets SAE requirements
- Double-barrier protection
- Threads:
  1/2" Acme female
  14 mm Acme male

ABP N83 327486	R-134a Charging Hose, Yellow	244 cm (8 ft)
ABP N83 327487	R-134a Charging Hose, Blue	244 cm (8 ft)
ABP N83 327488	R-134a Charging Hose, Red	244 cm (8 ft)
ABP N83 327489	R-134a Charging Hose, Yellow	457 cm (15 ft)
ABP N83 327490	R-134a Charging Hose, Blue	457 cm (15 ft)
ABP N83 327491	R-134a Charging Hose, Red	457 cm (15 ft)
ABP N83 327507	R-134a Charging Hose, Blue	914 cm (30 ft)
ABP N83 327508	R-134a Charging Hose, Red	914 cm (30 ft)

SERVICE COUPLERS

ABP N83 327586
Coupler, chrome with blue body, low side to 14 mm



- Couplers interface with R-134a service ports
- Quick, easy connect/disconnect
- Control valve allows access to system even at working pressures
- Integral safety sleeve holds coupler securely to service port
- High-flow characteristics

ABP N83 314205
Retrofit R-12 Vacuum Pump to R-134a



1.5 CFM VACUUM PUMPS

ABP N83 327306
Vacuum Pump, 115V, 60 Hz

ABP N83 327307
Vacuum Pump, 220V, 50 Hz



- Rated as "free air displacement" pump
- Rugged metal construction with no plastic to crack or fall off
- Oil reservoir port has a wide-mouth for easier, neater filling; doubles as an pump exhaust; and is threaded to attach garden type hose for exhausting to remote location
- Large oil reservoir helps reduce operating temperature and dilute corrosive contaminants
- Large sight glass for easier monitoring
- Large oil drain valve for quicker draining
- Longer heat dissipation fins for a cooler running unit
- Low operating temperature improves efficiency and vacuum
- Low profile on/off switch to avoid breakage
- Vacuum indicator gauge at pump intake fitting shows evacuation progress at a glance (electronic gauge then provides more precise readings)
- Gas ballast speeds evacuation and keeps oil cleaner
- Tethered caps stay with the unit

Pump rating	1.5 cfm
Field rating	15 microns
Intake	¼ flare and ½" ACME thread
Motor	⅙ horsepower at 1725 rpm
Internal capacitor thermal overload	temperature rise 104°F (40°C)
Voltage (single phase)	115 Volt, 60 Hz or 220 Volt, 50 Hz
Oil capacity	24 oz (0.7 liter)
Dimensions	10½" x 5⅛" x 9¼" (26.67 x 12.95 x 23.37 cm)

4.0 CFM VACUUM PUMPS

ABP N83 327308
Vacuum Pump, 115V, 60 Hz

ABP N83 327309
Vacuum Pump, 230V, 50 Hz



- Rated as "free air displacement" pump
- Rugged metal construction with no plastic to crack or fall off
- Oil reservoir port has a wide-mouth for easier, neater filling; doubles as an pump exhaust; and is threaded to attach garden type hose for exhausting to remote location
- Large oil reservoir helps reduce operating temperature and dilute corrosive contaminants
- Large sight glass for easier monitoring
- Large oil drain valve for quicker draining
- Longer heat dissipation fins for a cooler running unit
- Low operating temperature improves efficiency and vacuum
- Low profile on/off switch to avoid breakage
- Vacuum indicator gauge at pump intake fitting shows evacuation progress at a glance (electronic gauge then provides more precise readings)
- Gas ballast speeds evacuation and keeps oil cleaner
- Tethered caps stay with the unit

Pump rating	4 cfm
Field rating	15 microns
Intake	¼" and ½" ACME thread
Motor	⅓ horsepower at 1725 rpm
Internal capacitor thermal overload	Temperature rise 104°F (40°C)
Voltage (single phase)	115 Volt, 60 Hz or 230 Volt, 50 Hz
Oil capacity	0.7 liter (24 oz)
Overall dimensions	15 ¼" x 6 ⅜" x 12" (38.7 x 17.1 x 30.5 cm)
Weight	29.5 lbs (13.4 kg)

7.0 CFM VACUUM PUMPS

ABP N83 327317
Vacuum Pump, 115V, 60 Hz



- Rated as “free air displacement” pump
- Rugged metal construction with no plastic to crack or fall off
- Oil reservoir port has a wide-mouth for easier, neater filling; doubles as an pump exhaust; and is threaded to attach garden type hose for exhausting to remote location
- Large oil reservoir helps reduce operating temperature and dilute corrosive contaminants
- Large sight glass for easier monitoring
- Large oil drain valve for quicker draining
- Longer heat dissipation fins for a cooler running unit
- Low operating temperature improves efficiency and vacuum
- Low profile on/off switch to avoid breakage
- Vacuum indicator gauge at pump intake fitting shows evacuation progress at a glance (electronic gauge then provides more precise readings)
- Gas ballast speeds evacuation and keeps oil cleaner
- Tethered caps stay with the unit

Pump rating	7 cfm
Field rating	25 microns
Intake	¼ flare and ½″ ACME thread
Motor	½ horsepower at 1725 rpm
Internal capacitor thermal overload	Temperature Rise 104°F (40°C)
Voltage (single phase)	115 Volt, 60 Hz or 220 Volt, 50 Hz
Oil capacity	28 oz (0.8 liter)
Dimensions	16 ¼″ x 6″ x 11 ½″ (41.28 x 15.24 x 23.5 cm)

ABP N83 327422
YJ-LTE Refrigerant Recovery System



The smallest, lightest, most powerful unit in its class. Don’t let the small size fool you. The YJ-LTE™ Refrigerant Recovery System is packed with the features you need. Like a built in purge circuit which eliminates the need for external equipment and makes for easy clearing at the end of the job. And superior condenser performance which means the recovery tank stays cooler for a longer period of time, allowing you to recover more refrigerant without high-pressure cut-out. And it’s simple to operate, too, with a single valve, single gauge control panel.

WIRELESS GAUGES

ABP N83 327574
eVac Pro



The eVac Pro features an evacuation progress indicator to ensure evacuation is progressing in large volume system, a rise time analyzer that allows fast and consistent rise time analysis after evacuation, and displays the saturation temperature of water vapor at the current displayed measure.

ABP N83 327562
Mantooth Dual Pressure Wireless Digital P/T Gauge



Wireless connection to your smart device (iPhone, iPad, Android compatible)

- Test system without losing refrigerant (no hoses and manifolds necessary)
- Built-in Schrader ports to easily adjust refrigerant charge
- Range up to 400′ (unobstructed)

YELLOW JACKET ManTooth app
(free download)

Simplify and automate measurements

- Saves time and reduces costs
- Wirelessly calculates and displays the system's actual pressures, temperatures, superheat and sub cooling in an easy-to-read color format on your smart phone device
- Share screenshots via e-mail right from your phone
- Easily track and store service history
- Rechargeable lithium polymer battery with 10 hours battery life



Package includes:

- Hardware (two devices) with boot
- Temperature Probe Clamp (2)
- USB Cable

VACUUM/CHARGE/RECOVERY CORE TOOL

R-134A 3-in-1 VALVE

ABP N83 327492
Core Remover

ABP N83 327493
Core Remover



- Used as a vacuum monitoring valve (1/4 inch side port to attach electronic micron vacuum gauge for greater accuracy)
- Core remover (allows evacuation and charge through an unrestricted line for increased speed and higher vacuum)
- Core replacement tool
- Recovery valve (core removal allows recovery unit to work at maximum efficiency, speeding recovery process)

LCD VACUUM GAUGE & SENSOR



ABP N83 327495 LCD Vacuum Gauge

- Vacuum gauge combines thermocoupler sensor technology with advanced IC electronics for precise readings and repeatability not found with thermistor sensors or analog meters
- Precision circuitry to control sensor and then translate sensor input into micron readings
- Provides accurate readings on job after job from 1999 to 1 micron without calibration
- Large, high-contrast digital display for easy reading
- Female to female coupler to connect sensor into system
- Powered from one D cell battery
- Compact design with storage case for sensor, cable, and hose
- Rugged molded case protects electronic circuitry and sensor

ABP N83 327496 Replacement Thermocouple Sensor

- No adjustments or warmup
- Stays calibrated after on/off switching and long evacuations
- Automatic ambient temperature compensation
- Automatic battery compensation
- Replaceable thermocouple sensor with 1/4 inch flare (no calibration required)
- Comes with 182 cm (6 ft) long sensor cable

R-12 VACUUM/CHARGE VALVE



ABP N83 327497

- Used as a vacuum monitoring valve (1/4 inch side port to attach electronic micron vacuum gauge for greater accuracy)
- Core remover (allows evacuation and charge through an unrestricted line for increased speed and higher vacuum)
- Core replacement tool
- Recovery valve (core removal allows recovery unit to work at maximum efficiency, speeding recovery process)

VACUUM MANIFOLDS



ABP N83 327498 Vacuum Manifold (R-12)

ABP N83 5327499 Vacuum Manifold (R-134a)

- Pump, manifold and thermistor vacuum gauge all hook up to this valve assembly, providing a convenient central valve control
- Vacuum valve assemblies speed up servicing by eliminating the need to switch hoses, and work with any standard manifold
- Comes with 1/2" (13 mm) FFL coupler and large internal porting for full flow

A/C FLUSH

ABP N83 326025
128 ounce
(1 gallon)



ABP N83 326030
A/C Flush-
Power Clean
Aerosol

ABP N83 326045
32 ounce
(1 quart)



VACUUM PUMP OIL

ABP N83 326024
Use with ABP N83 327306,
ABP N83 327307, ABP N83 327308, ABP N83 327309

Promotes internal sealing for good vacuum and absorbs unwanted vapor from evacuated units. Regular oil changes promote longer vacuum pump life.



UNIVERSAL COIL CLEANER

ABP N83 326027
Degreaser, detergent, deodorizer
Biodegradable and non-foaming



LEAK LOCK

ABP N83 327887
Blue Leak Lock 1.33 oz.



ABP N83 327886
Blue Leak Lock 1.33 oz.



LEAK DETECTOR

ABP N83 327573



Heated Accuprobe Electronic Leak Detector

Combines proven technology with user-friendly features. Santoprene® holster provides protection and a comfortable grip. Gooseneck probe is 16" long, wraps onto the back for storage; sensing tip fits into the recessed slot. Other features include audible and visual leak indicators, volume control and sensitivity selection for most refrigerants including R-134a, new blends and substitutes.

COMPRESSOR OIL INJECTOR



ABP N83 327660 R-134a

Adding oil to air conditioning compressors is a necessary but slow process. The refrigerant charge is wasted and some disassembly is required. ABP N83 327075 and ABP N83 327660 is used in conjunction with a gauge manifold assembly. It utilizes the pressure differential from the high to the low side of the system to inject 2 oz. of oil into the unit.

SEALANT



ABP N83 327885
Adhesive
2.8 oz.

REFRIGERANT OIL

ABP N83 326050



(12 oz.) Ester Oil Plastic Bottle
100 viscosity
6 per case

ABP N83 326052



(32 oz.) Ester Oil Plastic Bottle
100 viscosity
6 per case

ABP N83 326051



(128 oz.) Ester Oil Plastic Bottle
100 viscosity
4 per case

ABP N83 326055



(8 oz.) SP15 Pag Oil
Use with R-134a Sanden Compressors
80 viscosity
6 per case

ABP N83 326056



(32 oz.) Pag Oil
Use with R-134a Zexel/Seltec/Que (Diesel Kiki) Compressors
46 viscosity
6 per case

ABP N83 326053



R-134a and R-12
(12 oz.) Ester oil –
Use with CCI Compressors
12 per case

RD-5-13221-0P



(8 oz.) Pag Oil
Use with R-134a Zexel/Seltec/Que Compressors
46 viscosity
6 per case

ABP N83 326057



R-12 ONLY
MINERAL OIL 1 quart
Quality, wax-free, compressor oil for air conditioning systems.
Viscosity: 500 S.S.U. @ 100°F.
6 per case

R-134A RETRO KITS



ABP N83 325510
CCI / Tecumseh Retro-kit Applications
Allis Chalmers, Autocar, Brockway, Caterpillar, Chevy/GMC, Deutz-Allis, Diamond Rio, Fiat-Allis, Ford (FS-6, Nippondenso 6E171 use RD-5-9983-0P retro fit kit), Ford-Sperry, Ford Tractor, Fox River, Freightliner, Hesston (HFI), International Harvester, IH/Navistar, J.I.Case, John Deere, Long, Kenworth, Mack, Marmon, Massey Ferguson, New Holland, New Idea/Avco, Oliver, Peterbilt, Steiger, Versatile, Volvo/White/GM, Western Star, White Farm. All with compressor model Climate Control/York, Tecumseh

ABP N83 325013
Sanden / Seltec / Zexel Retro-kit Applications
Caterpillar, Chevy/GMC, Deutz-Allis, Euclid, Fiat-Allis, Allis Chalmers, Ford (FS-6, Nippondenso 6E171 use RD-5-9983-0P retro fit kit), Ford Sperry, Ford Tractor, Freightliner, Hesston (HFI), Hino, International Harvester, IH/Navistar, Isuzu, Iveco, J.I.Case, John Deere, Kenworth, Mack, Marmon, Mercedes, New Holland, Nissan U.D., Oliver, Peterbilt, Steiger, Versatile, Volvo/White/GM, Western Star, White Farm. All with compressor model Sanden/Zexel/Diesel Kiki.

FOR CONVERTING R12 A/C SYSTEMS TO ENVIRONMENTALLY SAFE HFC-134A
Kits include the minumum components necessary to convert from an R12 system to R134a system. Kit includes O-Rings and gaskets, retro charging adapters, R12 charging port eliminator cap, retrofitted identification label and 8oz. of Retro A/C Ester Oil.

NOTE: RETRO KITS ARE NOT ENDORSED BY THE COMPRESSOR MANUFACTURERS.

HEAVY-DUTY RETROFIT ADAPTER KIT

ABP N83 325197



REFRIGERANT IDENTIFIER

ABP N83 327975



- Used to measure amount of refrigerant or air inside an air conditioning system
- Meets SAE J1661 “98% Purity Standard”
- Separate horn and light alert technician when a flammable refrigerant is detected
- Can be connected to a printer for a hard-copy report

Dimensions (w x d x h)	15 ½″ x 14 ½″ x 6 ½″ (39 x 37 x 16 cm)
Weight	8 lbs (3.6 kg)
Power	110-220 VAC, 50-60 Hz

Service Parts

ABP N83 328606	Adapter
ABP N83 328607	Filter Assembly
ABP N83 328608	Hose (R-12)
ABP N83 328609	Hose (R-134a)

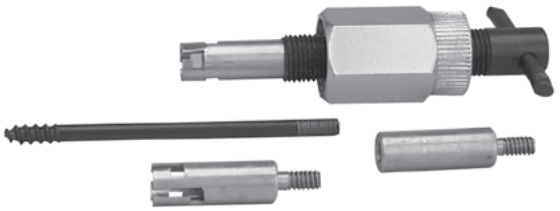
ABP N83 327976



Hand-held micro infrared spectrometer detector that can readily identify and measure the percentage of purity of R-134a, R-22 and R-12 with 98% accuracy. It can also detect blends and contaminated refrigerants and digitally displays the percentage of air and alerts you with audible and visual alarms for flammable hydrocarbons.
Operates on 12 volt DC. Includes analyzer, hose, adapters, cord and carrying case.

ORIFICE TUBE REMOVER KIT

ABP N83 327465
Designed to remove all necessary parts of complete or damaged orifice tube



DIAL THERMOMETER

ABP N83 327105
2" dial face with 0° to 220° F range.



MICRO INFRARED THERMOMETER

ABP N83 327107



FIN COMB



ABP N83 327070
- Multi-head tools straightens 8, 9, 10, 12, 14, and 15 fins per inch
- Works on radiator evaporator coils and aluminum finned heat exchangers
- Breaks down easily for tool box storage
- Compact 10 cm (4 in) length

REFRIGERATION TAPE



ABP N83 325021
2" wide by ⅛" tape used in covering exposed A/C fittings (30 foot roll) .

FLEX HOSES

- ABP N83 327460 used on low-pressure side of R-12 air conditioning recovery systems; ABP N83 327461 used on high-pressure side
- Easy retrofit of existing hoses to provide ball valve capability
- Flexible hose between valve and fitting makes hook-up in tight areas much easier



ABP N83 327460	Blue Flex Hose (¼″)
ABP N83 327461	Red Flex Hose (¼″)

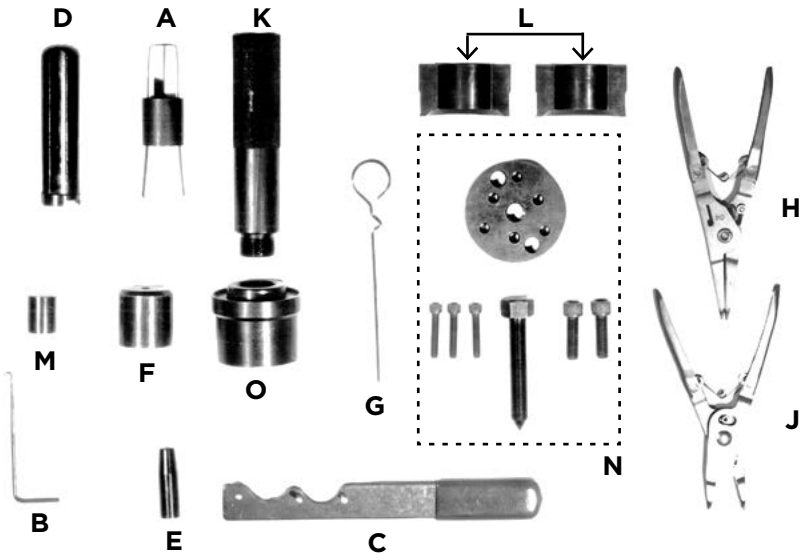
COMPRESSOR TOOL KIT

ABP N83 305045

Deluxe Sanden Tool Kit
For SD-508 and SD-510 COMPRESSORS

Contains the following:

- **A** Seal Seat Remover
- **B** O-Ring Remover
- **C** Clutch Holder
- **D** Seal Remover/Installer
- **E** Seal Protector
- **F** Clutch Face Installer
- **G** Oil Dipstick
- **H** Internal Snap Ring Plier
- **J** External Snap Ring Plier
- **K** Handle
- **L** Puller Fingers
- **M** Puller Pilot
- **N** Puller Plate Assembly
- **O** Bearing Remover/Installer



ADAPTERS AND COUPLER

Adapt female quick connect to male thread
Knurled fittings for easy connectionv

ABP N83 328614
Adapter, R-12, female QD to ¼" male flare

ABP N83 328606
Adapter, R-134a, ¼" female QD to ½" male ACME

ABP N83 328610
Adapter, ½" acme female hex to 13mm male R-134a low-side (R-12 to R-134a)

ABP N83 328612
Coupler, ¼" female hex to ½" male ACME



AIR CONDITIONING SERVICE MANUAL

ABP N83 327280



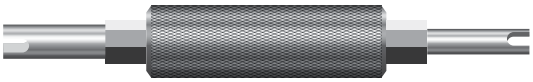
DIP STICKS



ABP N83 327112
Sanden Oil Dipstick

SCHRADER VALVE CORE REMOVAL TOOL

ABP N83 325147
High Flow Valve Core Remover/Installer Tool



FRAMED FILTERS

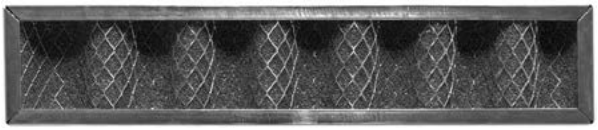
Listed in ascending order by **Width** x **Height** x **Thickness**

All filters sold in packs of two except where note with *

Length	Diameter	Thickness	Red Dot Model Unit/Application	Alliance P/N
6”	4”	¾”	R-10035 Fresh Air Filter	**ABP N83 328103**
6 7/16”	7 ¾”	¾”	R-6830	**ABP N83 328123**
8 ¼”	8 ½”	1”	Freightliner M2 (2003-2007) VCC36000006	**ABP N83 328375**
9”	9”	⅝”	Thomas 8566-0439, IHC ZGG 720002 R-10051	**ABP N83 328125**
10”	10”	¾”	Freightliner, Mack CX/Vision, OE#7787-525784	**ABP N83 328135** *
10 ⅜”	3 ¾”	1”	R-6501, Cat Skid Steer B Series Tier II	**ABP N83 328133**
10 ½”	10 ½”	¾”	Freightliner Century # 22-44665-000	**ABP N83 328165**
10 ⅝”	10 ⅝”	1”	Freightliner OE BOA 91559, FR0202P	**ABP N83 328175**
10 11/16”	4 7/16”	½”	R-1630, Takeuchi Mini Excavator	**ABP N83 328201**
11 13/32”	8 19/32”	¼”	R-7830	**ABP N83 328273** *
11 ⅝”	5”	⅞”	R-5265, Western Star #60015-3418	**ABP N83 328293**
11 27/32”	5 ⅜”	⅞”	R-5260, Aluminum/foam mesh framed, Western Star OE#60015-3413 (package of 2)	**ABP N83 328303**
12”	11”	¾”		**ABP N83 328061**
12 ½”	9 ¼”	1 ⅛”	Volvo VN Series, OE#20435801, Pleated	**ABP N83 328313**
13 ⅛”	5 ¼”	1 1/16”	R-9737, R-9757	**ABP N83 328221** *
13 ½”	4 9/16”	⅜”	R-6500	**ABP N83 328323**
13 ¾”	10 ¼”	¾”	Kenworth/Peterbilt 525507	**ABP N83 328333**
14”	4 15/16”	⅞”	R-9777	**ABP N83 328335**
14”	12 ¾”	5/16”	Aluminum Mesh, Thomas Bus, OE#8566-0237	**ABP N83 328343**
15”	8”	1”	R-1620	**ABP N83 328235** *
15 3/32”	5 13/16	⅞”	R-1400	**ABP N83 328363**
15 5/16”	9 ¾”	½”	R-3800, Cat OE# 1707272. Recirculating Air Filter	**ABP N83 328373** *
15 13/16”	4”	5/16”	R-8545, R-10015	**ABP N83 328383** *
16 ¼”	10 5/32”	¼”	R-7160 Heater, Thomas Bus	**ABP N83 328393**
16 ¼”	12 9/16”	¼”	R-6140, Gillig Model 21-42075 Series	**ABP N83 328395**
16 ½”	5”	1”	R-5200	**ABP N83 328403**
16 13/16”	4 ¾”	½”	R-6125, Orion Bus, OE#071310003, 071310011	**ABP N83 328405**
16 ⅞”	10”	2 ¼”	R-5075 Intake Filter	**ABP N83 328413**
17”	3”	¼”	R-8500, Recirculating Filter	**ABP N83 328415**
17”	4 ½”	¼”	Model R-6120-0, -1, -2, -10, -11. Gillig Model 21-43550, 21-55565 Series	**ABP N83 328423**
17 ½”	5 ½”	⅜”	R-5075, R-9500, R-9510, R-9520, R-10051	**ABP N83 328425**
17 ½”	8”	11/32”	R-5045	**ABP N83 328433**
18 ⅞”	4 13/16”	5/16”	R-9755, Timberjack Skidder	**ABP N83 328435**
20 ¼”	10 ⅜”	¼”	Aluminum Mesh, Thomas Bus	**ABP N83 328443**
20 ¾”	4 ¼”	1 ⅞”	R-9750	**ABP N83 327445**
21”	9 ¼”	¼”	Aluminum Mesh, Thomas Bus	**ABP N83 328453**
22 ½”	10 ¼”	¼”	Mesh Bus Filter, IHC ZGG 720005	**ABP N83 328455**
22 ⅝”	5 ⅞”	11/32”	R-7150, R-9485, R-9715	**ABP N83 328463**
23 ½”	4”	⅝”	R-6145 Orion Bus, OE#071320008, 071320015	**ABP N83 328465** *
23 ½”	5”	5/16”	Aluminum Mesh, Thomas Bus	**ABP N83 328473**
28 ½”	7 ⅛”	¼”	Thomas 8566-0237, IHC ZGG 720006	**ABP N83 328475**
28 ½”	8 ¼”	5/16”	Aluminum Mesh, Thomas Bus	**ABP N83 328483**
30”	10 ⅜”	⅜”	Mesh Bus Filter, IHC ZGG 720008	**ABP N83 328485**

FRAMED FILTERS

ABP N83 327445



20 ¾" Wide – 4 ¼" High – 1 ⅞" Thick
For R-9750

ABP N83 328103



6" Wide – 4" High – ¾" Thick
For R-10035 Fresh Air Filter

ABP N83 328123



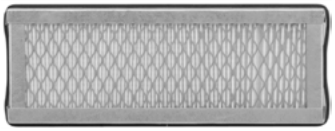
6 7/16" Wide – 7 ¾" High – ¾" Thick with ⅛" foam
For R-6830

ABP N83 328125



9" x 9" x ⅝" Thick
IHC/Navistar Models ZGG720002
Thomas 8566-0439

ABP N83 328133



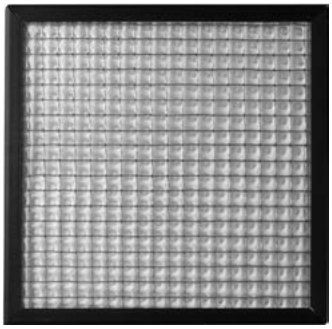
10 ⅜" Wide – 3 ¾" High – 1" Thick
For R-6501, Cat Skid Steer B series Tier II

ABP N83 328135 *



10" Wide – 10" High – 1" Thick
Freightliner Applications, Mack CX/Vision OE#7787-525784

ABP N83 328165



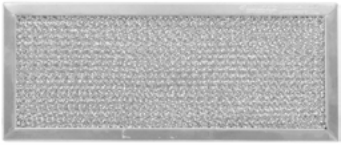
10 ½" Wide – 10 ½" High – ¾" Thick
Freightliner Century OE#22-44665-000, FR 9501P

ABP N83 328175



10 ⅝" Wide – 10 ⅝" High – 1" Thick
Freightliner OE# BOA 91559, FR0202P

ABP N83 328201

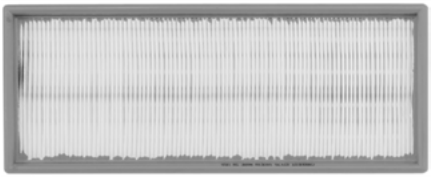


10 11/16" Wide – 4 7/16" High – ½" Thick
For R-1630, Takeuchi Mini Excavator

All filters sold in packs of two except where note with *

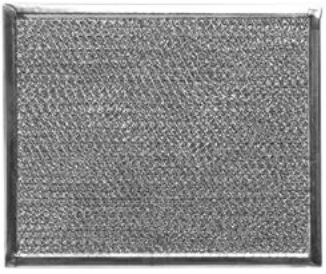
FRAMED FILTERS

ABP N83 328221 *



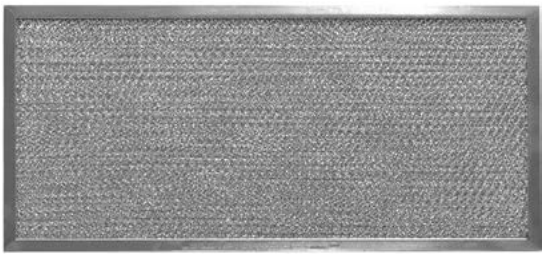
13 1/8" Wide – 5 1/4" High – 1 1/16" Thick
For R-9737, R-9757

ABP N83 328255 *



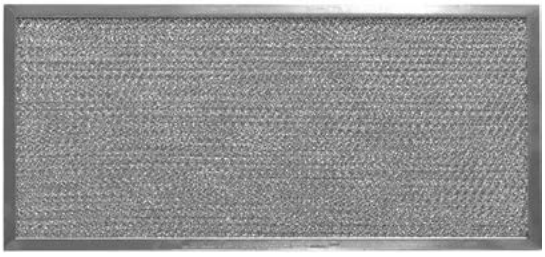
11 13/32" Wide – 8 19/32" High – 1/4" Thick
For R-7830 Recirculating Filter

ABP N83 328293



11 5/8" Wide – 5" High – 7/8" Thick
For R-5265, Western Star #60015-3418

ABP N83 328303



11 27/32" Wide – 5 3/8" High – 7/8" Thick
For R-5260, Western Star OE#60015-3413 (package of 2)

ABP N83 328313



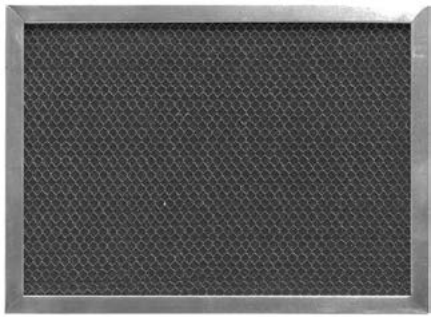
12 1/2" Wide – 9 1/4" High – 1 1/8" Thick
Volvo VN Series OE#20435801 Pleated Fresh Air Filter

ABP N83 328323



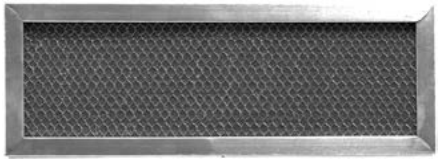
13 1/2" Wide – 4 9/16" High – 3/8" Thick
For R-6500

ABP N83 328333



13 3/4" Wide – 10 1/4" High – 3/4" Thick
Kenworth/Peterbilt OE#525507

ABP N83 328335

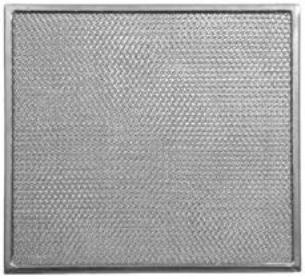


14" Wide – 4 15/16" High – 7/8" Thick
For R-9777

All filters sold in packs of two except where note with *

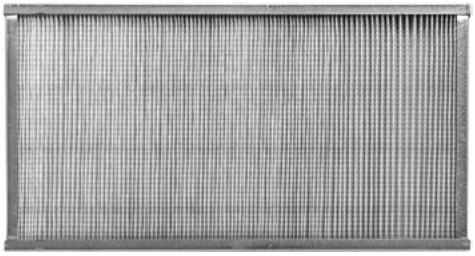
FRAMED FILTERS

ABP N83 328343



14" x 12 ¾" x 5/16" thick
Thomas Bus 8566-0237

ABP N83 328235 *



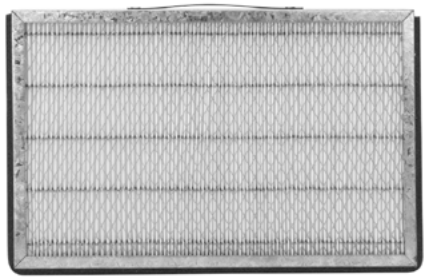
15" Wide – 8" High – 1" Thick
For R-1620

ABP N83 328363



15 3/32" Wide – 5 13/16" High – 7/8" Thick
For R-1400

ABP N83 328373 *



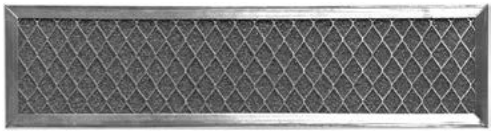
15 5/16" Wide – 9 ¾" High – ½" Thick
For R-3800, Recirculating Air
Cat OE#1707272

ABP N83 328375



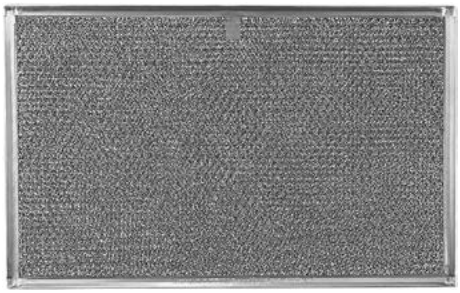
8 ½" Wide – 8 ½" High – 1" Thick
For Freightliner M2 (20
Cat OE#1707272

ABP N83 328383 *



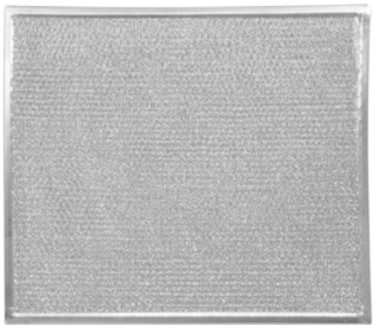
15 13/16" Wide – 4" High – 5/16" Thick
For R-8545, R-10015

ABP N83 328393



16 ¾" x 10 5/32" x ¼" thick
Red Dot Model R-7160, Thomas Bus Applications

ABP N83 328395

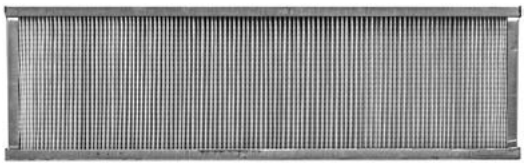


16 ¼" x 12 9/16" x ¼" thick
Gillig Model R-6140 21-42075 Series

All filters sold in packs of two except where note with *

FRAMED FILTERS

ABP N83 328403



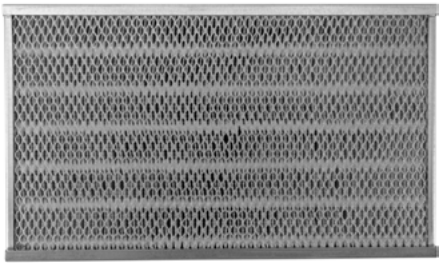
16 ½" Wide – 5" High – 1" Thick
For R-5200

ABP N83 328405



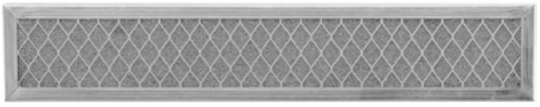
16 13/16" x 4 ¾" x ½" thick
Model R-6125
Orion OE#071310003, 071310011

ABP N83 328413



16 ⅞" x 10" x 2 ¼"
R-5075 Intake Filter

ABP N83 328415



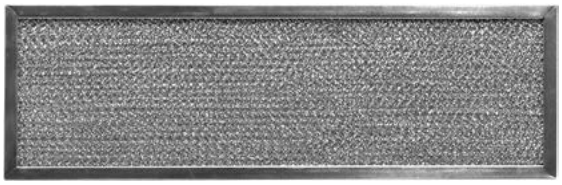
17" Wide – 3" High – ¼" Thick
For R-8500, Recirculating Filter

ABP N83 328423



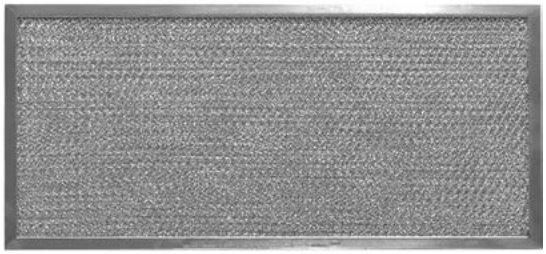
17" x 4 ½" x ¼" thick
Red Dot Model R-6120-0, -1, -2, -10, -11
Gillig Model Series 21-43550, 21-55565

ABP N83 328425



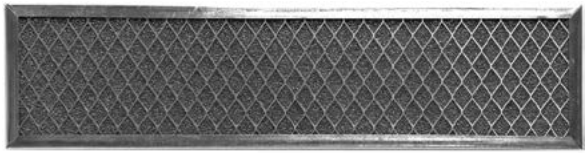
17 ½" Wide – 5 ½" High – ⅜" Thick
For R-5075, R-9500, R-9510, R-9520, R-10051

ABP N83 328433



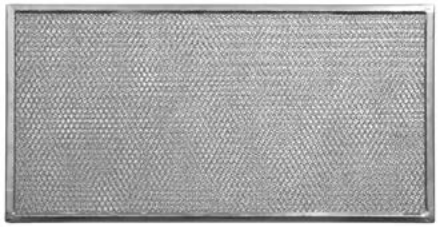
17 ½" Wide – 8" High – 11/32" Thick
For R-5045

ABP N83 328435



18 ⅞" Wide – 4 13/16" High – 5/16" Thick
For R-9755 Timberjack Skidder

ABP N83 328443

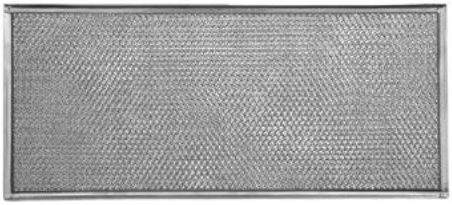


20 ¼" x 10 ⅜" x ¼" thick
Thomas Bus Applications

All filters sold in packs of two except where note with *

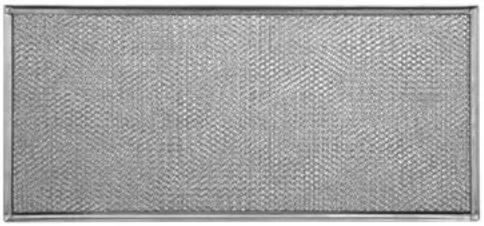
FRAMED FILTERS

ABP N83 328453



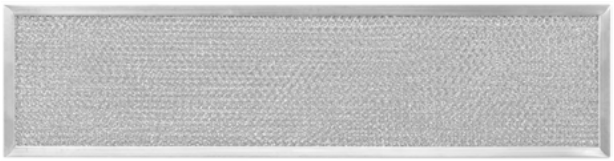
21" x 9 ¼" x ¼" thick
Thomas Bus Applications

ABP N83 328455



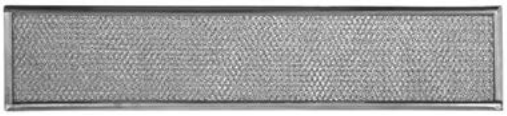
22 ½" x 10 ¼" x ¼" thick
IHC/Navistar Models ZGG720005

ABP N83 328463



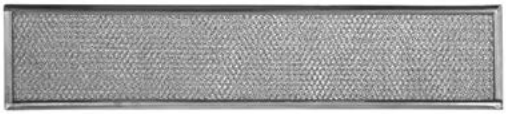
22 ⅝" Wide – 5 ⅞" High – 11/32" Thick
For R-7150, R-9715, R-9845

ABP N83 328465 *



23 ½" x 4" x ⅝" thick
Red Dot Model R-6145
Orion Bus Model 071320008, 071320015

ABP N83 328473



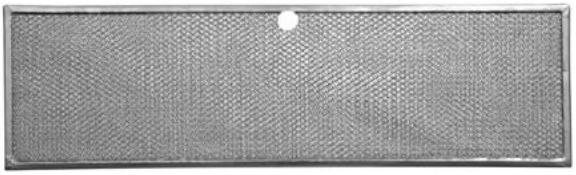
23 ½" x 5" x 5/16" thick
Thomas Bus Applications

ABP N83 328475



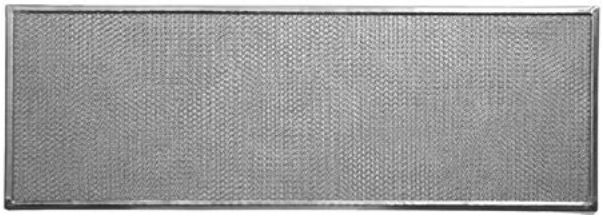
28 ½" x 7 ⅛" x ¼" thick
IHC/Navistar Models ZGG720006
Thomas Bus 8566-0237

ABP N83 328483



28 ½" x 8 ¼" x 5/16" thick
Thomas Bus Applications

ABP N83 328485



30" x 10 ⅜" x ⅜" thick
IHC/Navistar Models ZGG720008
Thomas Bus Applications

All filters sold in packs of two except where note with *

ABP N83 328507



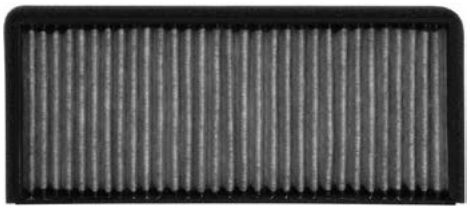
12 ½" x 9" x ½" thick
OE#5X013817

ABP N83 328508



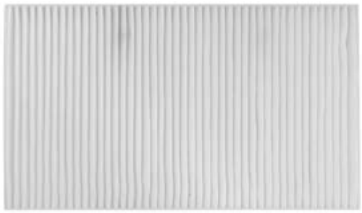
10 ¾" x 8" x 5/16" thick
OE#5X010007

ABP N83 328509



12 ½" x 4 ½" x ⅜" thick

ABP N83 328510



12 ½" x 7 ½" x 1" thick
OE#2506656C1

CANISTER FILTERS

Listed in ascending order by Width x Height x Thickness

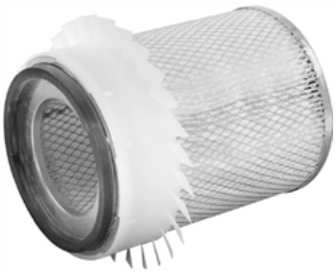
Length	Diameter	Thickness	Red Dot Model Unit/Application	Alliance P/N
10 ¼" long	8 ¼"	—	Filter for ABP N83 325035, ABP N83 325036 Horizontal Mount Kit - Booster Pressurizer	**ABP N83 328252**
12 ½" long	6 ¼"	—	Filter for ABP N83 325034 Backpack Mount Kit - Booster Pressurizer	**ABP N83 328251**

APB N83 328251



12 ½" Long x 6 ¼" Diameter
For R-9727, R-9777, R-9800
Filter for ABP N83 325034
Backpack Mount Kit for Booster Pressurizer

APB N83 328252



10 ¼" Long x 8 ¼" Diameter
For R-9727, R-9777, R-9800 (Remote Mount)
Filter for ABP N83 325035 & ABP N83 325036
Horizontal Mount Kit for Booster Pressurizer

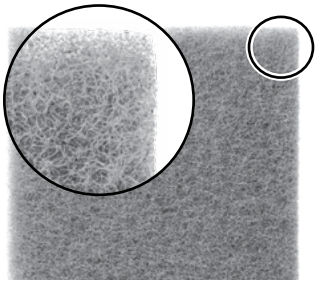
All filters sold in packs of two except where note with *

UNFRAMED FILTERS

Listed in ascending order by Width x Height x Thickness

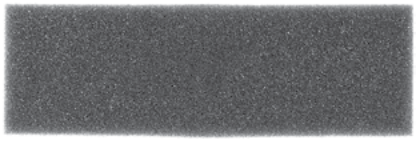
Length	Diameter	Thickness	Red Dot Model Unit/Application	Alliance P/N
10 ⅜"	3 ¼"	⅜"	R-6501, Cat Skid Steer B Series Tier II	**ABP N83 328493**
10 ½"	9 ¾"	¾"	IHC-Navistar 481813C1	**ABP N83 328495**
10 ⅞"	2 ¾"	⅝"	R-6000, R-6100, R-9727	**ABP N83 328503***
13 ½"	13"	¾"	IHC-Navistar ZGG14263, ZGG720007	**ABP N83 328505**
13 ⅝"	10"	¾"	IHC-Navistar 1699956C1	**ABP N83 328513**
14 ¾"	3 ½"	½"	R-9450, Foam element. John Deere Backhoe, Loader 310E, 410E, 510E, 710E	**ABP N83 328515**
15"	11"	¾"		**ABP N83 328523**
16 5/16"	5 ¾"	½"	R-2820, Takeuchi Excavator, Timberjack Feller Buncher	**ABP N83 328525**
24"	4 ⅞"	1"	R-9757	**ABP N83 328533***

ABP N83 328061



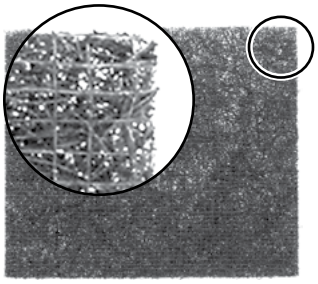
12" Wide – 11" High – ¾" Thick
OE#1696834C1

ABP N83 328493



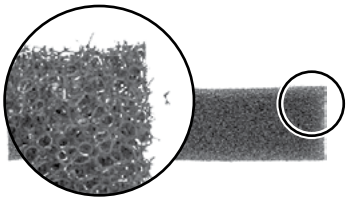
10 ⅜" Wide – 3 ¼" High – ⅜" Thick
For R-6501 Cat Skid Steer B Series Tier II

ABP N83 328495



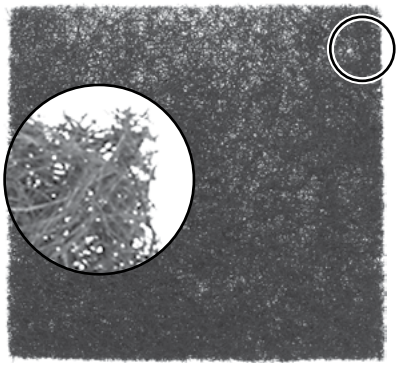
10 ½" Wide – 9 ¾" High – ¾" Thick
IHC-Navistar 481813C1

ABP N83 328503*



10 ⅞" Wide – 2 ¾" High – ⅝" Thick
FOR R-6000, R-6100, R-9727

ABP N83 328505



13 ½" Wide – 13" High – ¾" Thick
IHC-Navistar ZGG14263, ZGG720007

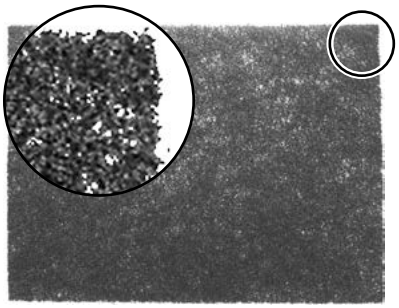
All filters sold in packs of two except where note with *

22
MISCELLANEOUS

446

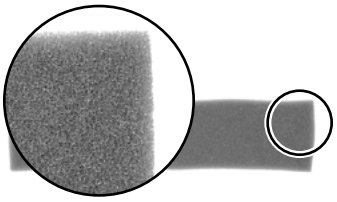
UNFRAMED FILTERS

ABP N83 328513



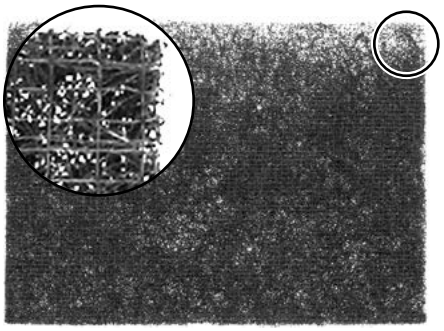
13 5/8" Wide – 10" High – 3/4" Thick
IHC-Navistar 1699956C1

ABP N83 328515



14 3/4" Wide – 3 1/2" High – 1/2" Thick – For R-9450 Recirc Air Filter John Deere Backhoe/Loader 310E, 410E, 510E, 710E

ABP N83 328523



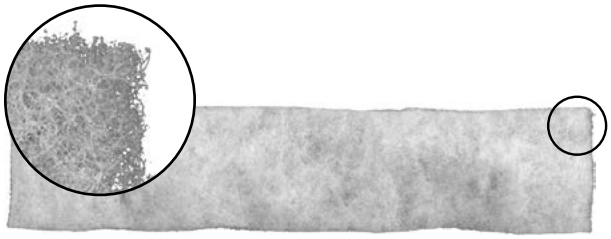
15" Wide – 11" High – 3/4" Thick

ABP N83 328525



16 5/16" Wide – 5 3/4" High – 1/2" Thick
For R-2820 Takeuchi Excavator, Timberjack Feller Buncher

ABP N83 328533*

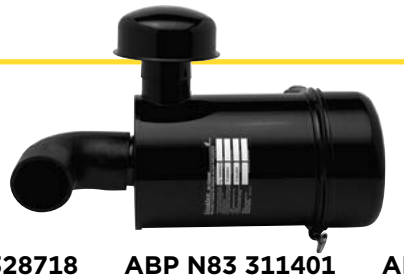


24" Wide – 4 7/8" High – 1" Thick
R-9757

All filters sold in packs of two except where note with *

REPLACEMENT SERVICE PARTS

BACKPACK MOUNT



ABP N83 325034
9" Dia x 16" long (228mm x 464mm)
Filter Kit

ABP N83 328251



Replacement Filter -
12 ½" long x 6 ¼" dia.

ABP N83 328717

Hood Inlet

ABP N83 328718



Mounting Band

ABP N83 311401



90° Rubber Elbow

ABP N83 317065



Air Outlet Adapter
for pressurization
for 3" hose to square
plate

HORIZONTAL MOUNT



ABP N83 325035
10 ¼" Dia x 18" long (260mm x 457mm)
Replacement Filter Kit,
Fits models including R-8545, R-9727, R-9757, R-9777,
R-9800

ABP N83 328252



Replacement Filter -
10 ¼" long x 8 ¼" dia.

ABP N83 328719

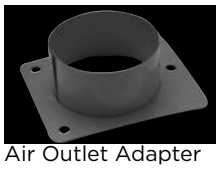


4" Hood Inlet

ABP N83 328721

10" Band Assembly

ABP N83 317065



Air Outlet Adapter
for pressurization
for 3" hose to square
plate

ABP N83 328862



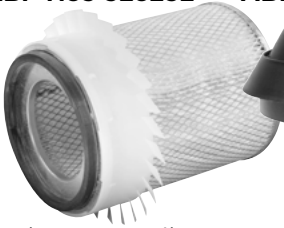
3"Air filter duck bill

VERTICAL MOUNT



ABP N83 325036
10 ¼" Dia x 23 ¾" long (260mm x 503mm)
Replacement Filter Kit,
Fits models including R-8545, R-9727, R-9757, R-9777, R-9800

ABP N83 328252



Replacement Filter
10 ¼" long x 8 ¼" dia.

ABP N83 328720



3 ¾" Hood Inlet

ABP N83 328721



10" Band Assembly

ABP N83 317065



Air Outlet Adapter
for pressurization
for 3" hose to square
plate

Booster Pressurizers can only be used with Remote Mount Filters



SPECIFICATIONS

Air Flow	140 CFM (238m3/h) with filter; 230 CFM (391m3/h) free flow
Weight	7 lbs. (3 kg)
Motor/Fan	One 12 VDC, single speed (24 VDC available)
Current Draw	10.2 amps @ 13.6 VDC 6 amps @ 27.2 VDC
Dimensions	4” inlet 3” outlet
Units	**ABP N83 301227** In-Line Booster Pressurizers, 12V **ABP N83 301228** In-Line Booster Pressurizers, 24V **ABP N83 328722** Pressurizer Inlet Cap

NOTE: Attaching directly to the **ABP N83 325035** and **ABP N83 325036** remote mount filters (previous page), the Booster Blower forces dust-free air into the cab through our heater and air conditioner units.

ABP N83 317065
Air Outlet Adapter For Pressurization
For 3” Hose to square plate



NOTES

BUSES

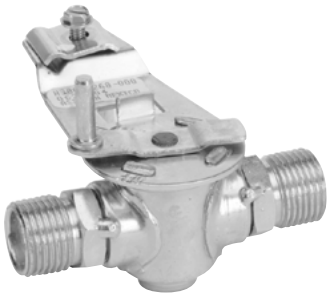
23

VEHICLE SPECIFIC PARTS
SCHOOL & TRANSIT BUSES

ALLIANCE TRUCK PARTS

WATER VALVE

ABP N83 324520



Red Dot Model R-6120 Gillig Bus, R-6135 Orion Bus
Gillig Modeld 21-43550, 21-55565
Orion Models 071320036, 058, 151
⅝" x ⅝" hose, ½ NPT x ½ NPT
Cable controlled — Pull to Open

ROTARY ACTUATOR

ABP N83 301419



Red Dot Model R-6135
Orion Models 071320036, 058, 151
Servo Actuator, 126° max. travel

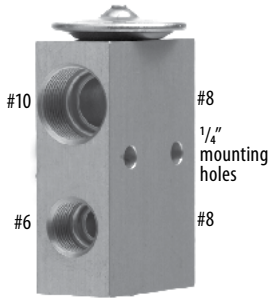
ABP N83 301459



Red Dot Universal Sealed Actuator
12 Volt or 24 Volt
Mounts in same position as many OE actuators
Sealed unit, no worry of corrosion
Control signal by linear voltage or pwm (pulse with modulation) input 4 pin Duetz sealed connection
104° maximum travel

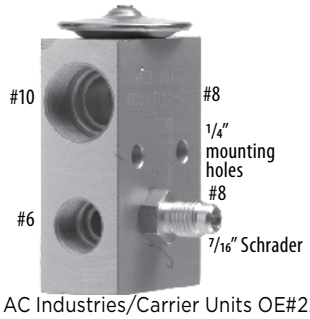
EXPANSION VALVES

ABP N83 308011



AC Industries/Carrier Units OE#101-100 (R-12)
AC Industries/Carrier Units OE#101-107 (R-134a)
Kysor Units OE#404098
Inlet: #6 (⅜") Female O-Ring
Outlet: #10 (⅝") Female O-Ring
EVAPORATOR FITTINGS
In: #8 (½") Female O-Ring
Out: #8 (½") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 80 psig @40°F

ABP N83 308191



AC Industries/Carrier Units OE#210-035
High Capacity (2-Ton)
With 7/16" Schrader Port
Inlet: #6 (⅜") Female O-Ring
Outlet: #10 (⅝") Female O-Ring
EVAPORATOR FITTINGS
In: #8 (½") Female O-Ring
Out: #8 (½") Female O-Ring
Superheat Rating: 5°F
Pressure Limit: 50 psig @85°F

ABP N83 308085



AC Industries/Carrier Units OE#101-102
External Equalizer
Inlet: #6 Male O-Ring
Outlet: #8 Male O-Ring
13" Equalizer Tube
¼" Female O-Ring Equalizer Tube Nut
13" Capillary Tube – Rating: 1 ½ Ton

SINGLE SHAFT MOTORS

Dimensions are listed in order by **Overall Length** x **Motor Length** x **Motor Diameter**

ABP N83 301028



Red Dot Model R-7160 — Thomas Applications
Single Speed — 12 Volt — Rotates Counter Clockwise
Permanent Magnet Motor — Flange / Plate Mounted
Dimensions: 5" x 4" x 3" — Shaft: 5/16" diameter, Length: 1 1/2"
Vented
Connector: Two conductors, female ring terminal, Packard #2984528

ABP N83 301030



Red Dot Model R-7550-0-24
Orion Model 071330501 Series 24V Stepwell Heater
Two Speed — 24 Volt — Rotates Clockwise
Field Wound Motor — Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 3/4" x 3"
Shaft: 1/4" diameter, Length: 11/16"
Non Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301034



Red Dot Model R-6135-1P, -3P
Orion Model 071320036 Underseat Heater
Two Speed — 24 Volt — Rotates Clockwise — Brushless Motor
Stud / Strap Mounted
Dimensions: 4 11/64" x 4" x 3"
Shaft: 5/16" diameter, Shaft Length: 2 1/4"
Vented - RFI
Connector: 3 conductor Packard

ABP N83 301036



Red Dot Model R-6120-0, -1, -2, -10
Gillig Models 21-4355, 21-55565
Single Speed — 24 Volt — Rotates Counter Clockwise
Permanent Magnet Motor — Strap Mounted
Dimensions: 4 5/8" x 4 3/16" x 3"
Shaft: 5/16" diameter, Length: 1 1/8"
Vented
Connector: Two conductors, combined male/female bullet

ABP N83 301083



Red Dot Model R-7550-1
Orion Model 071330501 Series 12V Stepwell Heater
Two Speed — 12 Volt — Rotates Clockwise
Field Wound Motor — Stud Mounted, Span 2 5/16"
Dimensions: 3 5/8" x 2 3/4" x 3"
Shaft: 1/4" diameter, Length: 11/16"
Non Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301411



Amtram Model 1691708C91
IHC/Navistar Model 691708C91
Thomas Applications
Single Speed — 12 Volt — Rotates Counter Clockwise
Permanent Magnet Motor — Stud Mounted, Span 2 5/16"
Dimensions: 4 1/2 x 3 5/8" x 3"
Shaft: 5/16" diameter, Length: 1 1/2"
Vented - RFI
Connector: Two conductor Packard #12034343

SINGLE SHAFT MOTORS

Dimensions are listed in order by **Overall Length** x **Motor Length** x **Motor Diameter**

ABP N83 301881



Freightliner Model ABP N83 301881
Amtram Model 2503279C1
Thomas Applications
Two Speed — 12 Volt — Rotates Clockwise
Field Wound Motor — Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 1/2" x 3"
Shaft: 5/16" diameter, Length: 1"
Vented
Connector: Three conductor, two-speed, orange-high, red-low

ABP N83 301901



Freightliner Model ABP N83 301901
Thomas Applications
Two Speed — 12 Volt — Rotates Clockwise
Field Wound Motor — Stud Mounted, Span 2 5/16"
Dimensions: 3 1/2" x 2 5/8" x 3"
Shaft: 1/4" diameter, Length: 1 1/16"
Non Vented
Connector: Two conductor, orange-high, red-low

ABP N83 301911



Bluebird 4316246
IHC/Navistar Model ZGG701089
Thomas Applications
Single Speed — 12 Volt — Rotates Clockwise
Permanent Magnet Motor — Stud Mounted, Span 2 5/16"
Dimensions: 4 1/4" x 3 3/4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductors, 1/4" male & female spade

ABP N83 301921



Amtram Model 2503277C1
IHC/Navistar Model 2503277C1
Thomas Model 8566-0226
Single Speed — Rotates Either Direction
Stud Mounted, Span 2 5/16"
Dimensions: 4" x 3 1/2" x 3"
Shaft: 5/16" diameter, Length: 1 7/8"
Vented
Connector: Two conductor, 14 gauge

ABP N83 310331



Red Dot Model R-6135-0P, -2P
Orion Model 071320058 Underseat Heater
Single Speed
24 Volt
Rotates Counter Clockwise
Permanent Magnet Motor
Stud Mounted, Span 2 5/16"
Dimensions: 4 3/4" x 4" x 3"
Shaft: 5/16" diameter, Length: 1 5/8"
Vented
Connector: Two conductor Packard #2984528, 2971859

DOUBLE SHAFT MOTORS

Dimensions are listed in order by **Overall Length** x **Motor Length** x **Motor Diameter**

ABP N83 301072



Amtram Model 2503276C1
IHC/Navistar Models 1691733C91, ZGG19348
Thomas Model 8566-0102
Single Speed — 12 Volt — Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 4 ¾" x 4" x 3"
Shafts: 5/16" diameter, length: 2 ⅝"
Vented
Connector: ¼" spade receptacle

ABP N83 301322



Thomas Model Applications, Freightliner #ABP N83 301322
Single Speed — 12 Volt — Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 4 ⅞" x 4 ½" x 3"
Shafts: 5/16" diameter, length: 2 ½"
Vented
Connector: Two conductor spade receptacle

ABP N83 301332



Thomas Applications, Freightliner #ABP N83 301332
Single Speed — 12 Volt — Permanent Magnet Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 ⅜" x 4 ½" x 3"
Shafts: 5/16" diameter, length: 2 13/16"
Vented
Connector: Two conductor ¼" spade receptacle

ABP N83 301342



Red Dot Model R-6145
Orion Model 071320015
Single Speed — 12 Volt — Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 5/16" x 4 ½" x 3"
Shafts: 5/16" diameter, length: 2 ⅞"
Vented
Connector: Two conductor Packard #2984528, ¼" blade

ABP N83 301362



IHC/Navistar Model ZGG701071
Thomas Model 1118390
Single Speed — 12 Volt — Field Wound Motor
Stud Mounted, Span 2 5/16
Dimensions: 5 ⅛" x 4 ½" x 3"
Shafts: 5/16" diameter,
Shaft length: 2 7/16"
Vented
Includes gasket and wire assembly
Connector: Two conductor integrated spade



ABP N83 301368

Red Dot Models R-6125, R-6145
Orion Models 071310003, 071310011, 071320008, 071320015
Single Speed — 24 Volt — Permanent Magnet Motor
Strap / Stud Mounted, Span 2 5/16
Dimensions: 5 5/16" x 4 ½" x 3"
Shafts: 5/16" diameter, length: 2 ⅞"
Vented
Connector: Two conductor Packard #2984528
¼" blade terminal

ALL PURPOSE FANS

The all purpose fan is designed to mount on either Horizontal (dash) or vertical (wall) surfaces. A unique spring loaded ball and socket allows easy adjustment of air direction, but once set remains in position. The 73R9052 fan blade has a matte black polypropylene fan guard and the 73R9062 uses a bright chrome metal wire guard.

ABP N83 309013



IHC/Navistar Model 4507329R1

Size	Fan, 7 ½" Dia. , 8 ⅝" Height Fan Guard, x 5.33" x 8.75"
Weight	2.5 lbs.
Motor	24 VDC
Current Draw	3.3 Amps @ 13.6 VDC: 1.65 Amps @ 27.2 VDC
Controls	3 Position Switch Off/Low/High
Color	Chrome

ABP N83 309141



IHC/Navistar Model 221099C1
Thomas Applications 5200-3268

Size	Fan, 7 ½" Dia. , 8 ⅝" Height Fan Guard, x 5.33" x 8.75"
Weight	2.5 lbs.
Motor	12 VDC
Current Draw	3.3 Amps @ 13.6 VDC: 1.65 Amps @ 27.2 VDC
Controls	3 Position Switch Off/Low/High
Color	Black

ABP N83 309015



Amtram,
IHC/Navistar Model 783966C93
Thomas Applications,
Freightliner ABP N83 309311

Size	Fan, 7 ½" Dia. , 8 ¾" Height Fan Guard, x 5.33" x 8.75"
Weight	2.5 lbs.
Motor	12 VDC
Current Draw	3.3 Amps @ 13.6 VDC: 1.65 Amps @ 27.2 VDC
Controls	3 Position Switch Off/Low/High
Color	Black or Chrome

PANCAKE FANS

ABP N83 301907



Red Dot Models R-3540
Gillig Model 21-42075 Series Underseat Heater
Single Speed – Pusher – 12 Volt – Rotates Clockwise
Permanent Magnet Motor
Mounted with Shroud & Fan
Dimensions: 8” diameter x 2 ½” thick , Height: 8 ¼”

ABP N83 301967



Red Dot Models R-6140-45
Gillig Model 21-42075 Series Underseat Heater
Single Speed – Puller — 24 Volt — Rotates Counter Clockwise
Brushless Motor — Mounted with Shroud & Fan
Dimensions: 10 ¾” diameter x 5” thick Height 11 ¼”

ABP N83 301969



Red Dot Models R-6140-2-24P, -3-24P, -5
Gillig Model 21-42075 Series Underseat Heater
Single Speed – Puller — 24 Volt — Rotates Counter Clockwise
Permanent Magnet Motor
Mounted with Shroud & Fan
Dimensions: 11 ⅝” diameter x 3” thick Height 12 ¼”

BLADED FANS

ABP N83 309101



Red Dot Models R-7550
Orion Model 071330501
6” Diameter
Rotates Clockwise as viewed from discharge side

BLOWER WHEELS

ABP N83 302172



Red Dot Models R-7160
Thomas Bus
5 5⁄16” diameter, 3 ¾” width — 5⁄16” bore diameter
Hub inset: **½**”
Dual Rotation — Plastic — Double Entry

ABP N83 302182



Red Dot Models R-6120
Gillig Models 21-43550, 21-55565
5 ¼” diameter, 3 ¾” width — 5⁄16” bore diameter
Hub inset: **½**”
Counter Clockwise Rotation — Plastic — Double Entry
Fits brushed blower motor 4379-RD5924524

ABP N83 302222



IHC/Navistar Model 1691728C1
Thomas Model 8566-0050
4 ¾” diameter, 3 7⁄32” width — 5⁄16” bore diameter
Hub inset: 1 1⁄16”
Dual Rotation — Plastic — Double Entry

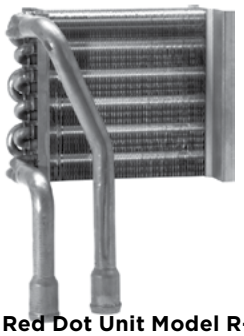
ABP N83 302061



Red Dot Models R-6135
Orion Models 071310036, 071310058, 071310151
Underseat Heater
5 ¾” diameter, 3” width — 5⁄16” bore diameter
Hub inset: 1 **9⁄16**”
Counter Clockwise Rotation — Plastic — Single Entry

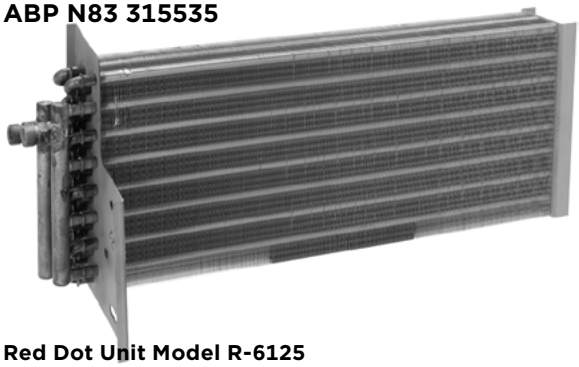
HEATER CORES

ABP N83 315050



Red Dot Unit Model R-7550-1
Orion Model 071330501
6” high x 6” long x 3 11/32” wide

ABP N83 315535



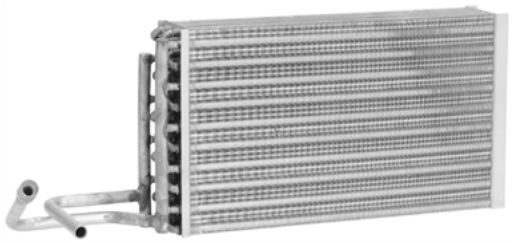
Red Dot Unit Model R-6125
Orion Model 07131 0003, 07131 0011
8” high x 20” long x 2 ½” wide

ABP N83 315560



Red Dot Unit Model R-6135
Orion Model 071320036, 058, 151 Underseat heater
10” high x 10 3/16” long x 2 5/32” wide

ABP N83 315570



Red Dot Unit Model R-7160, Thomas Bus Heater
Orion Model 071330501
10 7/64” high x 17 ¾” long x 3 13/32” wide

ABP N83 315575



Red Dot Unit Model R-6140
Gillig Model 21-42075
12 ⅛” high x 6 ¼” long x 2 ¼” wide

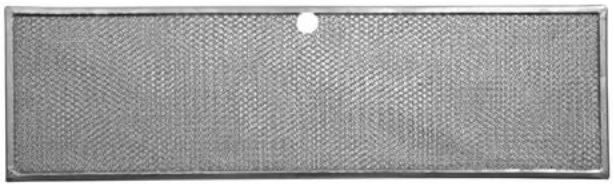
AIR FILTERS

ABP N83 328125



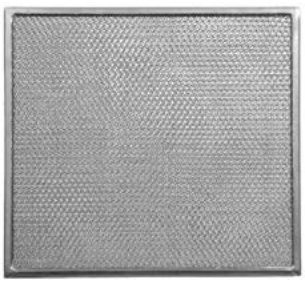
IHC/Navistar Models ZGG720002
Thomas 8566-0439
9" x 9" x ⅝" thick

ABP N83 328204



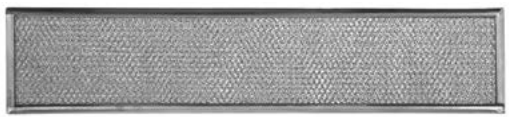
Thomas Applications
28 ½" x 8 ¼" x 5/16" thick

ABP N83 328223



Thomas 8566-0237
14" x 12 ¾" x 5/16" thick

ABP N83 328247



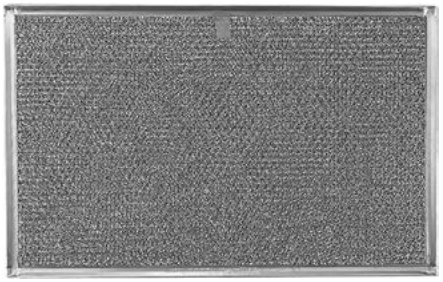
Red Dot Model R-6145
Orion Model 071320008, 071320015
23 ½" x 4" x ⅝" thick

ABP N83 328264



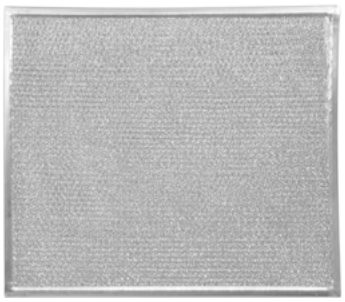
Thomas Applications
21" x 9 ¼" x ¼" thick

ABP N83 328393



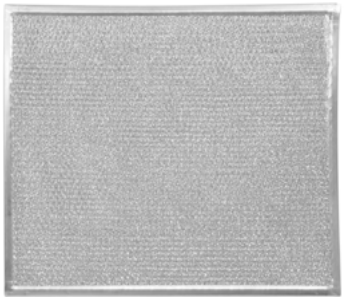
Red Dot Model R-7160
Thomas Applications
16 ¾" x 10 5/32" x ¼" thick

ABP N83 328395



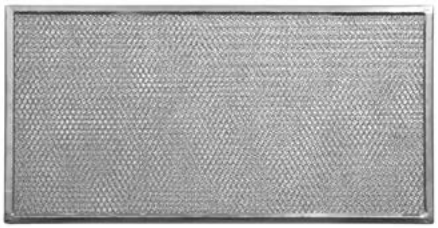
Red Dot Model R-6140
Gillig Model 21-42075 Series
16 ¼" x 12 9/16" x ¼" thick

ABP N83 328405



Red Dot Model R-6125
Orion Model 071320008, 071320015
16 ¾" x 10 5/32" x ¼" thick

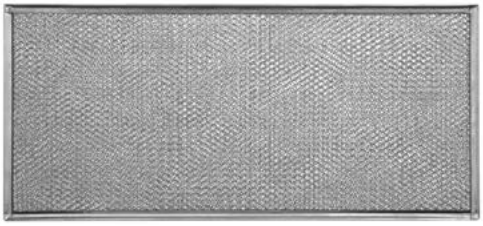
ABP N83 328443



Thomas Applications
20 ¼" x 10 ⅜" x ¼" thick

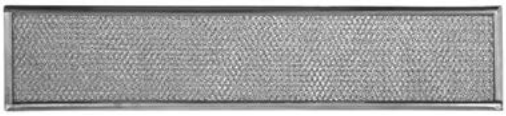
AIR FILTERS

ABP N83 328455



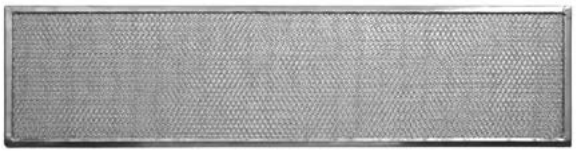
IHC/Navistar Models ZGG720005
22 ½" x 10 ¼" x ¼" thick

ABP N83 328473



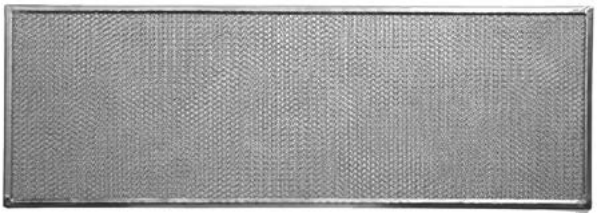
Thomas Applications
23 ½" x 5" x 5/16" thick

ABP N83 328475



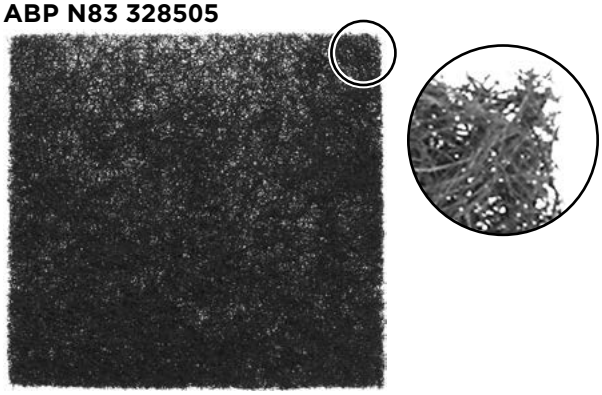
IHC/Navistar Models ZGG720006
Thomas 8566-0237
28 ½" x 7 ⅛" x ¼" thick

ABP N83 328485



IHC/Navistar Models ZGG720008
Thomas Applications
30" x 10 ⅜" x ⅜" thick

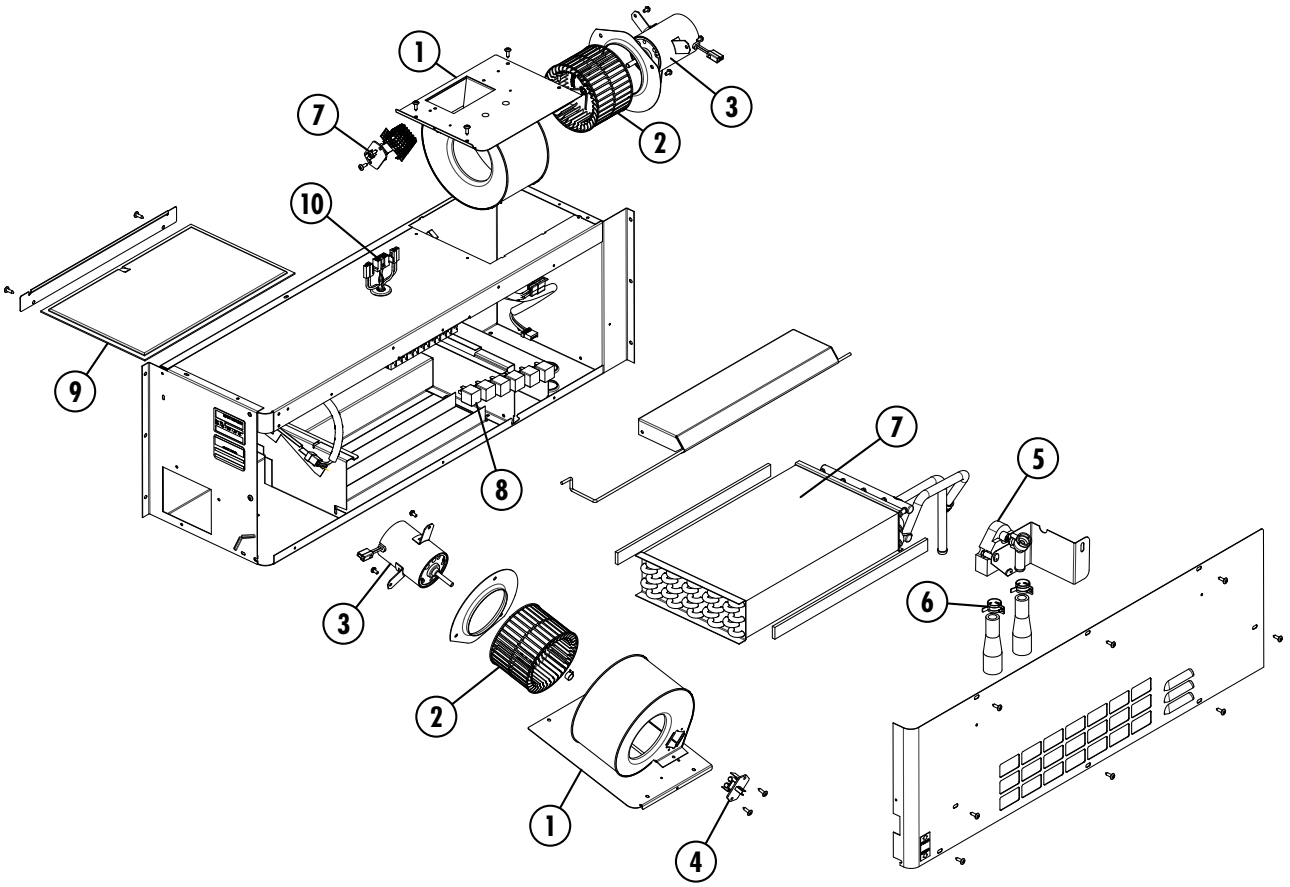
ABP N83 328505



Red Dot Models R-6135
IHC/Navistar Models ZGG720007, ZGG14263
13 ½" Wide – 13" High – ¾" Thick

THOMAS BUILT DRIVER'S HEATER

R7160 REPLACEMENT PARTS LIST



Item	Quantity	Alliance P/N	Description
1	2	**RDH RD1 2407 0**	Blower Housing
2	2	**RDH RD5 10935 0**	Plastic Blower Wheel
3	2	**RDH RD5 10867 0**	12 Volt Motor
4	2	**ABP N83 313703**	Resistor (Single Fan Speed Control)
5	1	**RDH RD1 2358 0**	Electronic Water Valve

Item	Quantity	Alliance P/N	Description
6	2	**RDH RD5 10962 0**	Spring Band Clamp
7	1	**RDH RD1 2379 0**	Heater Core
8	6	**RDH RD5 10866 0**	12 Volt Relay
9	1	**RDH RD5 10795 0**	Air Filter
10	1	**RDH RD1 2393 0**	Wire Harness

BUS PRODUCT OE / AFTERMARKET CROSS REFERENCE

Alliance P/N	Amtran	Bluebird	IHC Navistar	Gillig Model No.	Orion Model No.	Thomas Model No.
ABP N83 324520				21-43550 21-55565		
ABP N83 301921	2503277C1		2503277C1			8566-0226
ABP N83 301881	2503279C1		2503279C1			8566-0378
ABP N83 301411	1691708C91		691708C91			
ABP N83 301040					71320058	
ABP N83 301051						2606-2365
ABP N83 301911		4316246	ZGG701089			
ABP N83 301034					71320036	
ABP N83 301036				21-43550 21-55565		
ABP N83 301072	2503276C1		1691733C91, ZGG19348			8566-0102
ABP N83 301342					71320015	
ABP N83 301368					071310003, 8, 11, 071320015	-
ABP N83 301362			ZGG701071			1118390
ABP N83 302061					071310036, 058, 151	
ABP N83 302222			1691728C1			8566-0050
ABP N83 302182				21-43550 21-55565		
ABP N83 309101					71330501	
ABP N83 302222			221099C1			5200-3268
ABP N83 309013			4507329R1			
ABP N83 309015	783966C93		783966C93			
ABP N83 315050					71330501	
ABP N83 315560					071310036, 058, 151	
ABP N83 315535					071310003, 11	
ABP N83 315575				21-42075		
ABP N83 328247					71320008, 15	

NOTES

UNITS & KITS

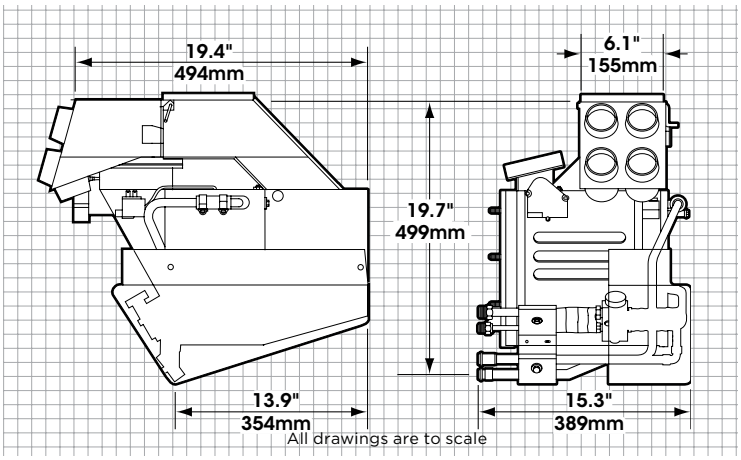
24

R8230 FOR INTERNATIONAL

Heater/Air Conditioner Unit for International "S", 4000, 7000 and 8000 Series Trucks 1983 To 1994

The R-8230 performance and features go beyond anything offered in-dash for all "S" Series and new conventional vehicles.
With styling that matches the factory dash, the R-8230 includes "Max A/C" and "Defrost Interlock" features not offered by any other International conventional "S" Series or 4000, 7000, and 8000 Series systems.
The R-8230 mounts directly to the firewall and mates to existing inlet and outlet ducting.





SPECIFICATIONS

BTU's:	Heating – 29,700 BTU/hr at 100°F (kw 8.70 at 37.8°C) air temperature rise Cooling – 22,400 BTU/hr with 36°F (kw 6.56 with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
Air Flow:	265 CFM (450 m^3/h)
Weight:	48 lbs. (22 kg)
Motor:	Permanent magnet
Current Draw:	19.5 amps at 13.6 VDC (includes 4 amps for A/C clutch)
Model:	RDH R8230 0
NOTE:	BTU's and air flow in installed conditions. Not for viscous fan applications

System Ordering Guide

Not for viscous applications. For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit.

Heater - Air Conditioner Kit	Engine	Steering	Brakes	Compressor	Compressor Mount Kit No.
ABP N83 325046 Series 4600 Through 8100 for Vehicles 1983–1994 "S" Series 1600 Through 2600	V8 International 6.9 Liter, & 7.3 Liter	Std/Pwr		ABP N83 304025	ABP N83 325950
	DT 466 "6"	w/wo	Vacuum		ABP N83 325084
	6 Cyl IHC DT466, DTA466, DT360 or DTA360	Std/Pwr	Air	ABP N83 304025	ABP N83 325118
	6 Cyl IHC DT466, DTA466	Std/Pwr	Hydraulic	ABP N83 304025	ABP N83 325118
	6 Cyl IHC DT360, DTA 360	Std/Pwr	Hydraulic	ABP N83 304025	ABP N83 325118
	Cummins 6 Cyl L-10 "S" Series	Pwr	Air	ABP N83 304025	ABP N83 325087
	1994-1997 DT408 / DT466 (will not work on DT466E)	—	—	ABP N83 304025	ABP N83 325955

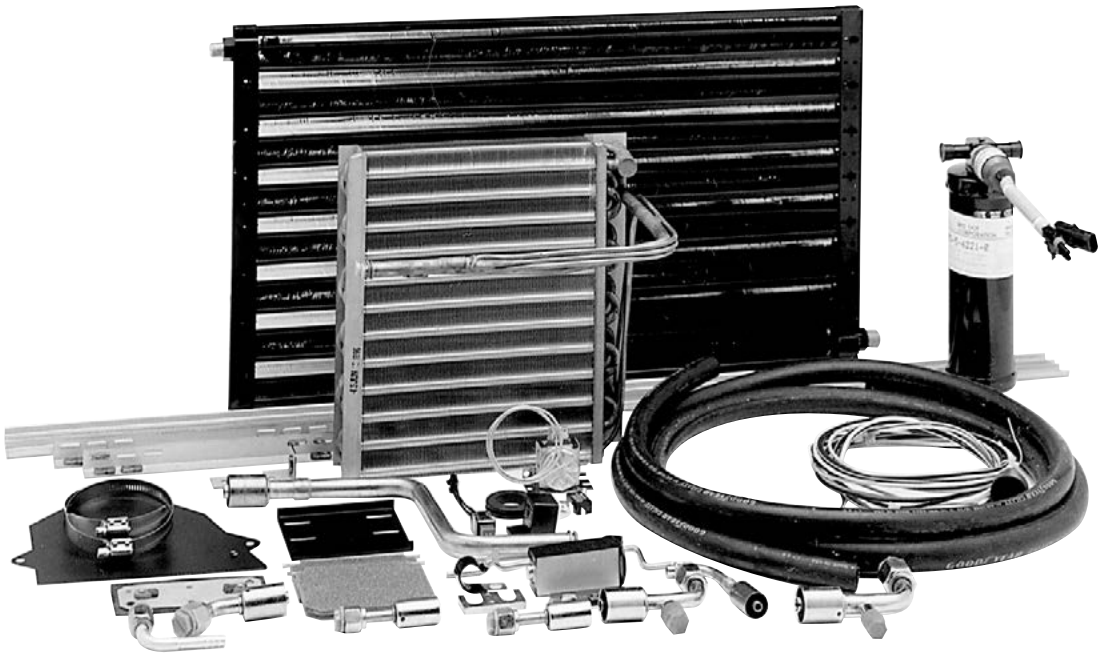
Kits Include:

• Heater A/C Unit • Heater Hose And Water Valve • Refrigerant Hose & Fittings • High Capacity Receiver Drier • Trinary™ Protection Switch
• Wiring Harness • Condenser • Miscellaneous Installation Hardware And Brackets
NOTE A: Tecumseh Compressors require ABP N83 303002 Clutch and one each (Service Valves and Charge Ports)
• R134A: ABP N83 311258 & ABP N83 311260

R8235 FOR INTERNATIONAL

Drop-In Evaporator Kit for International "S", 4000, 7000 and 8000 Series Trucks, 1995 On

The R-8235 drop in evaporator kit takes advantage of the OEM housing and motor blower assembly. 134a compatible, this kit meets all OEM specifications.



KITS INCLUDE

• Drop-in Evaporator • Refrigerant Hose & Fittings • High Capacity Receiver Drier • Trinary™ Protection Switch • Wiring Harness • Condenser • Miscellaneous Installation Hardware And Brackets

SYSTEM ORDERING GUIDE

Not for viscous applications. For complete kits order one Heater-Air Conditioner Kit, Compressor, Compressor Mount Kit.

Heater - Air Conditioner Kit		Engine	Steering	Brakes	Compressor	Compressor Mount Kit No.
RDH R8235 0 For Vehicles	Series 4600 Through 8100 "S" Series 1600 Through 2600	V8 International 6.9 Liter, & 7.3 Liter	Std/Pwr		ABP N83 304025Q	ABP N83 325950
1995 and on		DT 466 "6"	w/wo	Vacuum		ABP N83 325084
		6 Cyl IHC DT466, DTA466, DT360 or DTA360	Std./Pwr	Air	ABP N83 304025Q	ABP N83 325118
		6 Cyl IHC DT466, DTA466	Std./Pwr	Hydraulic	ABP N83 304025Q	ABP N83 325118
		6 Cyl IHC DT360, DTA 360	Std./Pwr	Hydraulic	ABP N83 304025Q	ABP N83 325118
		Cummins 6 Cyl L-10 "S" Series	Pwr	Air	ABP N83 304025Q	ABP N83 325087
		1995-1997 DT4^{08}/DT466 (will not work on DT466E)			ABP N83 304025Q	ABP N83 325955

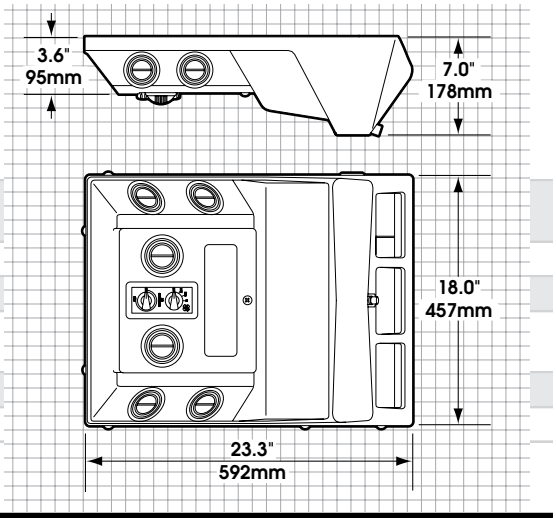
R2000

Air Conditioner Unit
Trucks • Motor Homes • Vans • Refuse

The compact, low profile design of the R-2000 allows an out of the way ceiling mount in virtually any vehicle. The high output of ice cold air blowing down from above is the ultimate in driver comfort.

The R-2000 can be installed facing any direction that best suits the particular application. Not only does this air conditioner make a perfect installation in cabs where space is a problem it is also an effective auxiliary cooling unit in vans, motor homes and small delivery vehicles.





SPECIFICATIONS

BTU's:	Cooling – 17,000 BTU/hr @ 36°F (5 kW @ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
Air Flow:	235 CFM (400 m^3/h)
Weight:	24 lbs. (11 kg)
Current Draw:	18.5 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 9.3 amps @ 27.2 VDC (includes 2 amps for A/C clutch)
Controls:	Three speed fan, adjustable thermostat
Models:	RDH R2000 11 (12 VDC)

SYSTEM ORDERING GUIDE

	R12 / R-134a	NOTES
Unit	RDH R2000 6	12 VDC
Condenser	RDH R6160 - Roof Mount ABP N83 306270 - UNIVERSAL	
Installation Kit	ABP N83 325182 ABP N83 325160 ABP N83 325192 ABP N83 325202	Front Mount Condenser / E-Z Clip version Front Mount Condenser / ATCO version Roof Mount Condenser / ATCO version Roof Mount Condenser / E-Z Clip version
COMPRESSOR	*See your Freightliner Dealer*	
R134a Charge Fitting	ABP N83 311260 & ABP N83 311258	Required with CCI and TECUMSEH applications.
Clutch (Tecumseh/CCI)	*See Clutch section*	
Compressor Mount Kit	*See your Freightliner Dealer*	

R2300

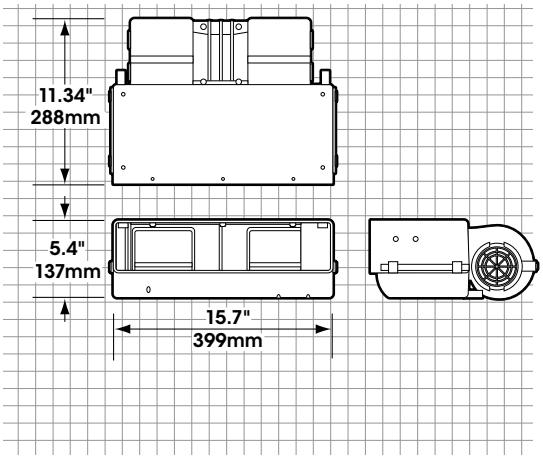
Offroad Universal Applications

Perfect for lighter duty applications, the R-2300 delivers high capacity for its size. The R-2300 can be mounted on the floor, ceiling or under dash when required. In addition, optional air outlets are available so that air can be ducted where it's required.



SPECIFICATIONS

BTU's	Heating – 32,000 BTU/hr @ 100°F (9 kW @ 37.8°C) air temp. rise Cooling – 17,750 BTU/hr @ 36°F (5.2 kW @ 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
Weight	15 lbs. (6.8 kg)
Air Flow	268 CFM (356 m^3/h)
Current Draw	17.8 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 8.9 amps @ 27.2 VDC(includes 2 amps for A/C clutch)
Models	RDH R2300 0 A/C Only (12 VDC) – RDH R2300 0 24 A/C Only (24 VDC) RDH R2300 1 Heater Only (12 VDC) – RDH R2300 1 24 Heater Only (24 VDC) RDH R2300 2 Heater A/C (12 VDC) – RDH R2300 2 24 Heater A/C (24 VDC)



OPTIONS:

RDH RD1 1651 0
2 ½" Outlet Adapter



R4122

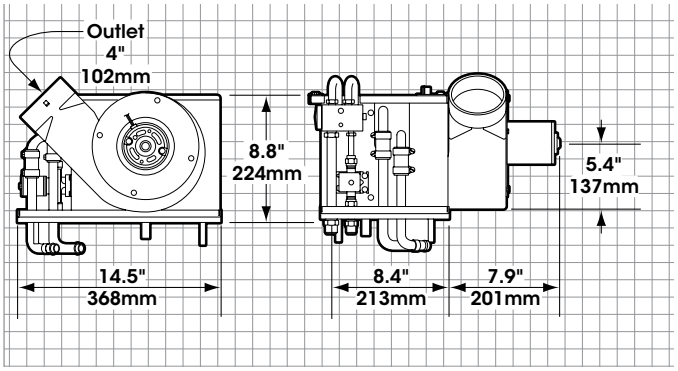
Sleeper Heater-A/C Unit
Heavy, Medium, & Light Duty Trucks • Industrial Cabs • Vans

Red Dot is the premier supplier to the sleeper box industry. The R-4122 has been specifically designed for this application. Red Dot has used its vast experience to provide the highest performing unit for sleepers. The four way adapter makes ducting air where its needed easy.



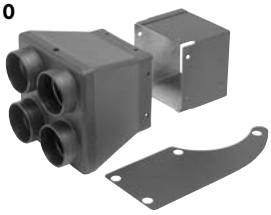
SPECIFICATIONS

BTU's	Heating – 30,575 BTU's/hr @ 100°F (8.9 kW @ 37.8°C) air temp. rise Cooling – 19,250 BTU's/hr with 36°F (5.6 kW with 2.2°C) refrigerant temp. and 80°F wet bulb entering air
Air Flow	283 CFM (481 m^3/h)
Weight	28 lbs. (12.7kg)
Motors	Permanent magnet, three-speed
Current Draw	18 amps @ 13.6 VDC — 9 amps @ 27.2 VDC
Models	Heater A/C: RDH R4122 9 12 VDC – RDH R4122 0 24 24 VDC Heater only: RDH R4122 1 12 VDC



OPTIONS:

RDH RD3 7646 0
Four-Way Air Diffuser (outlets are 2 5⁄16" dia)



RDH RD3 1359 7
Controls:
(bimetallic thermostat)

R6101

Air Conditioner Unit
Heavy, Medium & Light Duty Trucks • Construction • Agricultural Cabs

The R-6101 is the ultimate rooftop air conditioner design. Red Dot went the extra mile in designing a lightweight, high capacity unit with a styled low profile that fits the aerodynamic truck designs of today. Notice the sloping front that rides comfortably over center marker lights. This is a must when roof space is minimal or air shields are used.





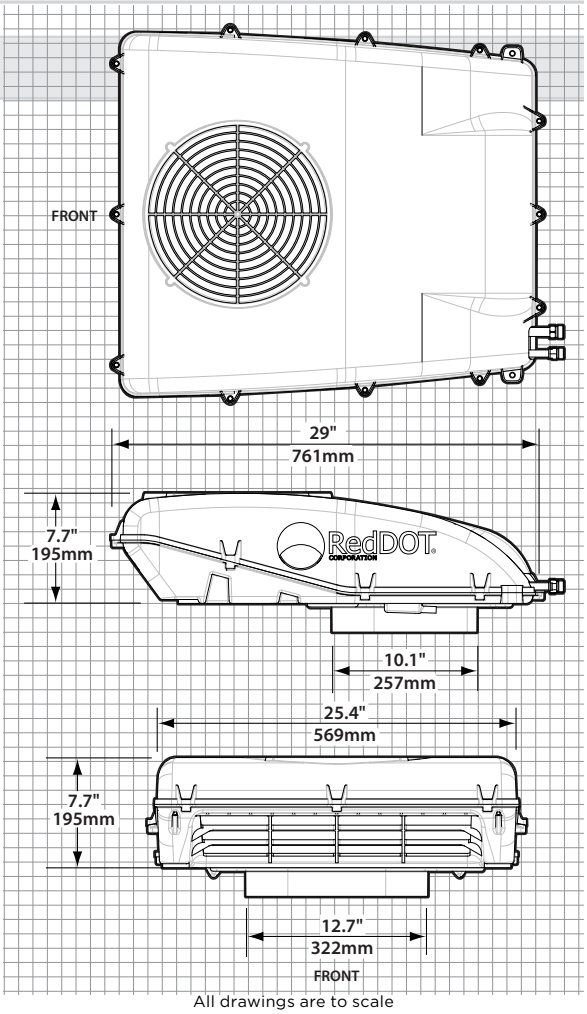
Low profile ceiling plenum blends with any interior.

SPECIFICATIONS

BTU's:	Cooling –21,300 BTU/hr with 100°F (6.2 kW with 37.8°C) air temperature rise
Air Flow:	299 CFM (508 m^3/h)
Weight:	40 lbs. (18.1kg)
Condenser Motor/Fan: weather protection.	The motor is a permanent magnet type selected for its extended life and is sealed with a slinger ring and hub cap added for The fan is aluminum with a heavy duty spider and riveted blades.
Current Draw:	25.7 amps @ 13.6 VDC 12.9 amps @ 27.2 VDC
Controls:	Three speed blower
Models:	RDH R6101 0 (12 VDC) RDH R6101 0 24 (24 VDC)

SYSTEM ORDERING GUIDE

	R12 / R-134a	NOTES
Unit	RDH R6101 0 RDH R6101 0 24	12 VDC 24 VDC
Condenser	Contained in R6101 unit	
Installation Kit	ABP N83 325051	Refrigerant hose and fittings, etc.
Compressor	*See your Freightliner Dealer*	
Compressor Mount Kit	*See your Freightliner Dealer*	
Options	Universal Roof Mount Kit: Replacement Receiver Drier: Replacement Plenum	ABP N83 328137 ABP N83 319230 ABP N83 328863



All drawings are to scale

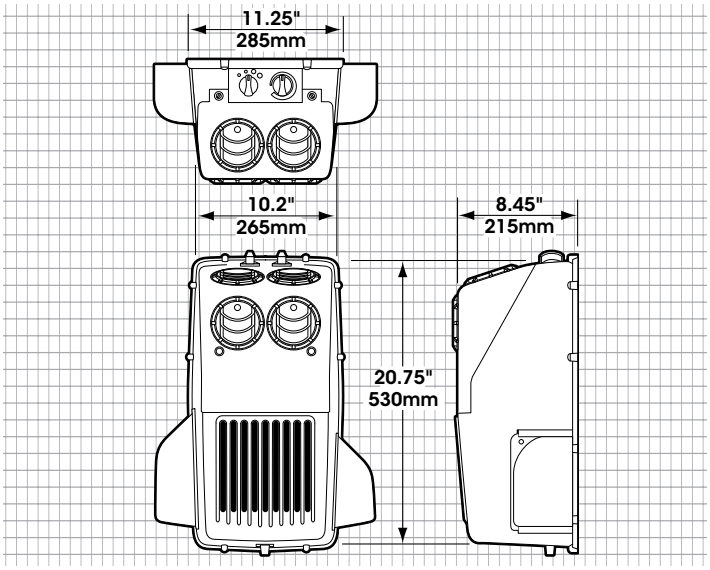
R6840

Air Conditioner Unit
Fleets • Heavy & Medium Duty Trucks • Industrial • Agricultural • Construction

Red Dot's all new R-6840 sets a new standard in air conditioning technology. It combines performance and styling in a package small enough to fit almost anywhere. In addition, it utilizes engineered resin technology to create a unit that is not only attractive but incredibly durable. The R-6840 utilizes advanced coil and blower technology to create the highest capacity possible in a wall mounted unit that is no more than 11 ¼" wide.



R6840 shown with optional floor support kit and plumbing covers



SPECIFICATIONS

BTU's:	Cooling – 22,300 BTU/hr with 36°F (6.5 kW with 2.2°C) refrigerant temp and 80°F (26.7°C) wet bulb entering air
Air Flow:	325 CFM (552 m^3/h)
Weight:	16 lbs. (7.3 kg)
Current Draw:	18.6 amps @ 13.6 VDC (includes 4 amps for A/C clutch)
Controls:	High-low motor speed, four adjustable louvers, adjustable thermostat
Models:	RDH R6840 0 (12 VDC)

SYSTEM ORDERING GUIDE

	R12 / R-134a	NOTES	
Unit	RDH R6840 0	12 VDC – Variable Thermostat	
Condenser	RDH R6160 0 - ROOF MOUNT ABP N83 306270 - RADIATOR MOUNT	*See Condensers section* *See Condensers section*	
Installation Kit	ABP N83 325182 ABP N83 325160 ABP N83 325192 ABP N83 325202	Front Mount Condenser / E-Z Clip version Front Mount Condenser / ATCO version Roof Mount Condenser / ATCO version Roof Mount Condenser / E-Z Clip version	
Compressor	*See your Freightliner Dealer*		
R134a Charge Fitting	ABP N83 311260 & ABP N83 311258	Required with CCI and TECUMSEH applications.	
Clutch (Tecumseh/CCI)	*See Clutch section*		
Compressor Mount Kit	*See your Freightliner Dealer*		
Options:		Floor Support Kit Plumbing Covers (left and right) Recirc Filter	ABP N83 325198 ABP N83 328736 ABP N83 328123

OPTIONS:



ABP N83 328736
Plumbing Covers



ABP N83 328198
Floor Support Kit



ABP N83 328123
Filter

R9715

High Capacity Ceiling Mount Air Conditioner
Buses • Vans • Fire Trucks

The highest capacity unit in our headliner air conditioner line, the R-9715 offers big airflow at 577 CFM. Red Dot has used its established engineering experience to produce the most attractive, quality product on the market.
The R-9715 can be used in a variety of larger cab applications such as: Shuttle buses/vans, fire trucks, and smaller school buses. The electric water pump can be used in tilt cab situations or in extremely humid applications.



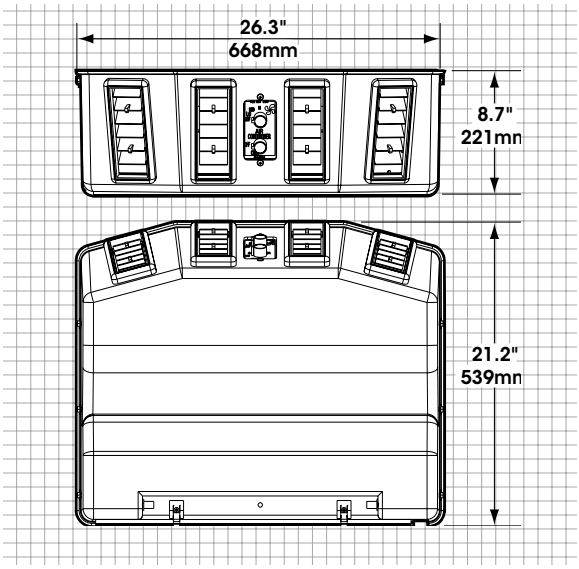


SPECIFICATIONS

BTU's:	Cooling – 39,500 BTU/hr with 36°F (11.6 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
Air Flow:	577 CFM (980 m^3/h)
Weight:	40 lbs. (18 Kg)
Current Draw:	26.3 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 13.2 amps @ 27.2 VDC (includes 2 amps for A/C clutch)
Models:	RDH R9715 11 (12 VDC)

SYSTEM ORDERING GUIDE

	R12/R-134a	NOTES
Unit	RDH R9715 11	12 VDC (Air Conditioner only) replaces R9715 10
Condenser	RDH R4500 8 Remote Mount	12 VDC
Installation Kit	ABP N83 325192 ABP N83 325202	Roof Mount Condenser / ATCO version Roof Mount Condenser / E-Z Clip version
Compressor	*See your Freightliner Dealer*	
R134a Charge Fitting	ABP N83 311260 & ABP N83 311258	Required with CCI and TECUMSEH applications.
Clutch (Tecumseh/CCI)	*See Clutch section*	
Compressor Mount Kit	*See your Freightliner Dealer*	



R-9560 HEADLINER

Air Conditioner Unit with heat option
Construction • Mining • Agriculture • Industrial

Instead of pulling air from the rear, the unit draws air from the bottom, which allows efficient airflow even when it's mounted near a back wall or some other tight location

An added benefit: a hinged bottom makes the R-9560 easy to service. You just remove the front bolts and the unit swings down for easy access to filters and other components. This feature saves time—and the technician's shoulders.

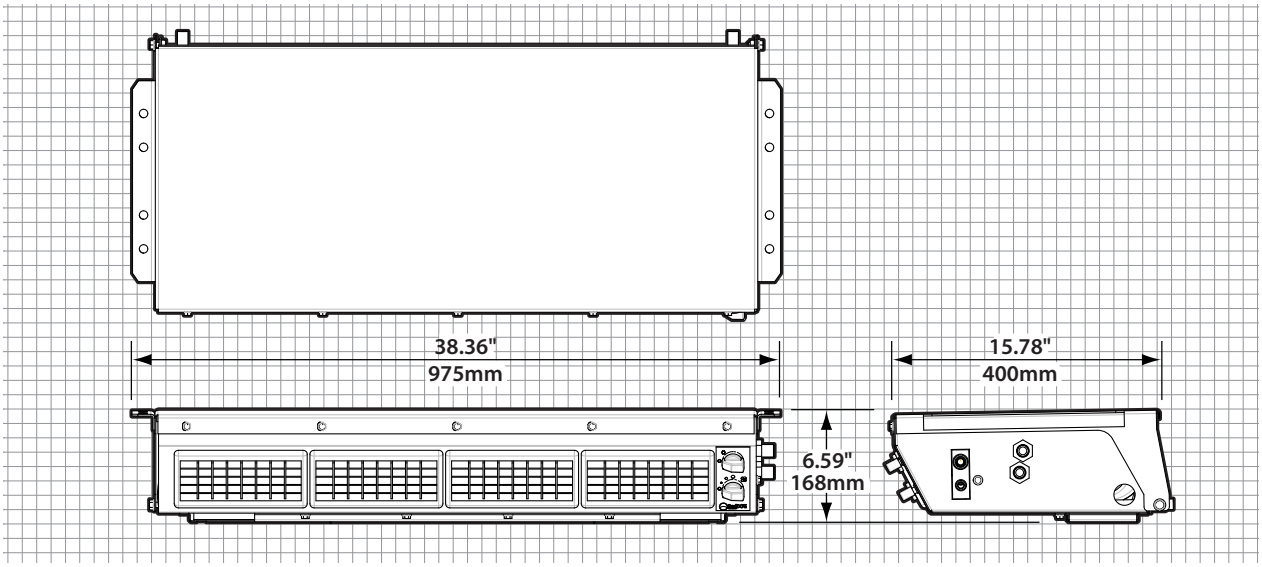


SPECIFICATIONS

BTUs	Cooling – 32,500 BTU @ 100˚F (9.5kw @ 37.8˚C) air temperature rise Heating – 38,600 BTU @ 100˚F (11.3kw @ 37.8˚C) air temperature rise	
Air Flow	485 CFM (824 m3/h)	
Weight	64lbs (29kg)	
Current Draw	17.9 amps @ 13.6 VDC 9 amps @ 27.2 VDC	
Controls	Three speed	
Models	RDH R95600P RDH R9560024P RDH R95601P RDH R9560124P	Heater - A/C 12V Heater - A/C 24V Air Conditioner 12V Air Conditioner 24V

ORDERING GUIDE

CONDENSER	Radiator Mount Remote Mount	See Condensers section See Units Condensers section
INSTALLATION KIT	ABP N83 325056 RDH RD5 14072 0P	Refrigerant hose, fitings and hardware Refrigerant hose, fittings and hardware EZ Clip version
Options	Remote mount control panel (Heat and A/C) Remote mount control panle (A/C only)	RDH RD5 15593 0P RDH RD5 15592 0P
Compressor	Requires compressor and mounting kit	



R9777

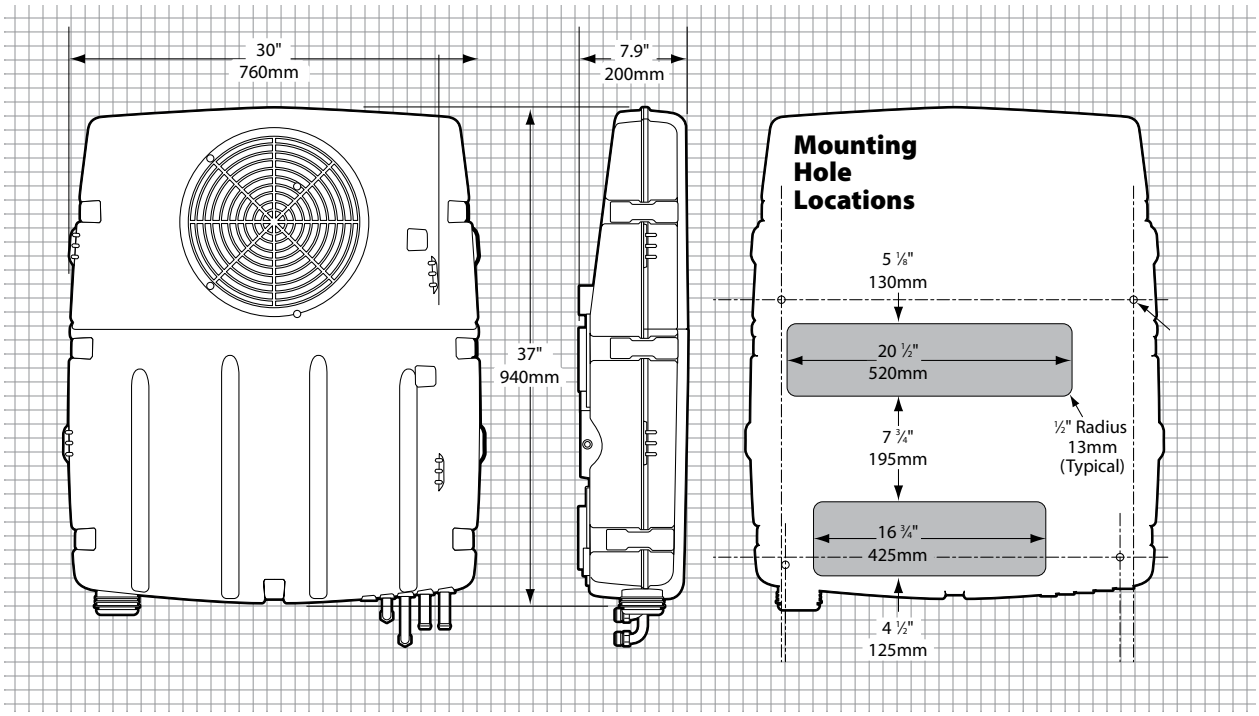
Heater/Air Conditioner Unit
Construction • Mining • Agriculture

Introducing the NEW Red Dot Rooftop. Red Dot has used the latest in design techniques to produce a rugged unit, which combines Euro styling with heavy duty components that will withstand the roughest of applications. The R-9777 Heater/Air conditioner is the first in our industry to employ engineered resin technology. This Euro styling and design sets this unit far beyond the competition in appearance, durability and performance. Through Red Dots proven performance tests the R-9777 has exceeded our expectations.



SPECIFICATIONS

BTU's	Heating – 45,000 BTU/Hr @ 100°F (13.2 kW @ 37.8°C) air temp. rise Cooling – 25,000 BTU/Hr with 36°F (7.3 kW with 2.2°C) refrigerant temp. and 80°F (26.7°C) wet bulb entering air
Air Flow	355 CFM (580 m^3/h)
Weight	65 lbs.
Motors	Evaporator – One 12 VDC, three speed (24 VDC available) Condenser – One 12 VDC low profile (24 VDC available)
Current Draw	38.2 amps @ 13.6 VDC (includes 4 amps for A/C clutch) 19.1 amps @ 27.2 VDC (includes 2 amps for A/C clutch)
Models	RDH R9777 0 – Heater A/C 12VDC RDH R9777 0 24 – Heater A/C 24VDC RDH R9777 1 – A/C Only 12VDC RDH R9777 1 24 – A/C Only 24VDC



R4500

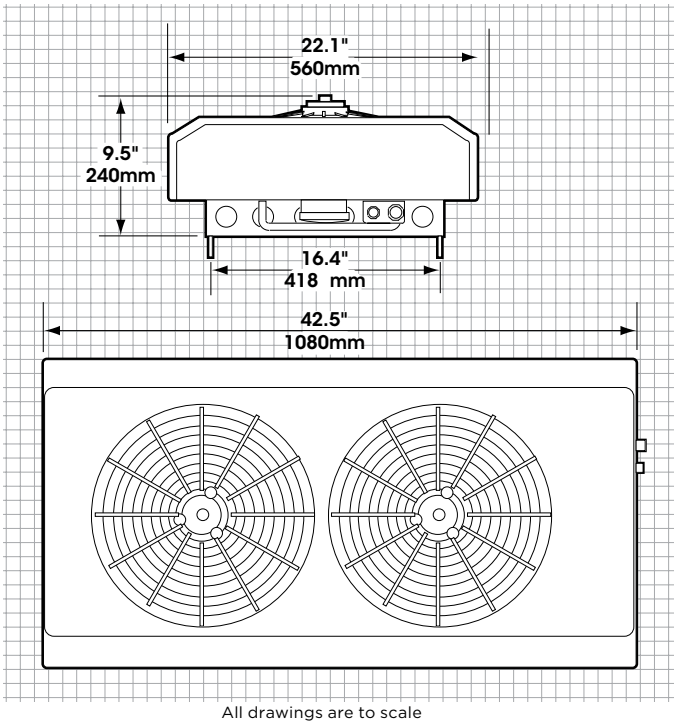
Rooftop Condenser (45,000 BTU)
Firetrucks • Crash & Rescue Vehicles • Dual Evaporators

The R-4500 offers amazing performance for a light weight dual fan power condenser. Its high capacity gives the installer a condenser to match with high performance evaporators or dual evaporator systems.
Using the latest motor technology the R-4500 has the lowest profile possible while maintaining a high output.
At 45,000 BTU's, the R-4500 is the largest of Red Dot's line of "power" condensers.



SPECIFICATIONS

Capacity:	45,200 BTU/hr. @ 135°F (13.2 kW @ 57.2°C) condensing temp. and 110°F (43.3°C) entering air
Weight:	85 lbs. (38.6 kg)
Air Flow:	2,011 CFM (3,517 m^3/h)
Motors:	Two 16-inch diameter
Current Draw:	30.3 amps @ 13.6 VDC
Model:	RDH R4500 8 (12 VDC)



All drawings are to scale

R6160

Rooftop Condenser (24,000 BTU)
Heavy & Medium Duty Trucks • Construction & Agricultural

The R-6160 is the perfect rooftop condenser design.
A light weight, compact, and high capacity unit with a styled low profile that fits the aerodynamic vehicle designs of today.
This is a must for effective air flow and when roof space is minimal or air shields are used.



SPECIFICATIONS

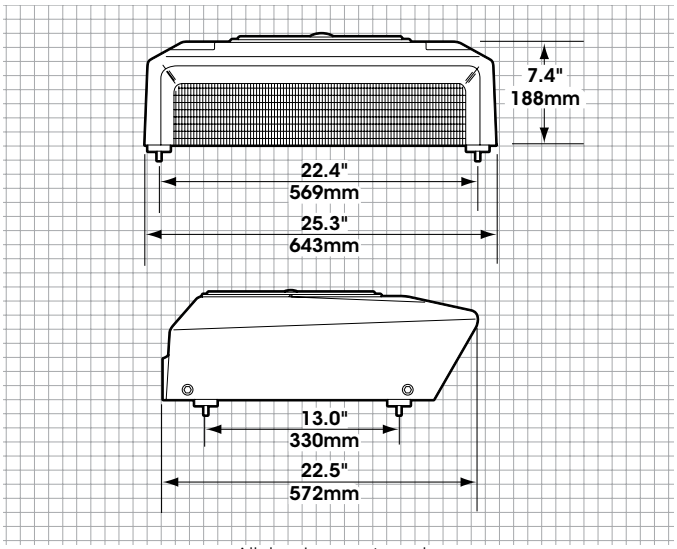
Capacity:	24,000 BTU's/hr (7 kW @ 65.5°C)
Weight:	23 lbs. (10.5 kg) Lightweight
Condenser Coil:	The coil is aluminum fin and copper tube construction, which includes a tube of .022" (6 cm) wall thickness, results in an effective, lightweight rugged coil.
Motor/Fan:	The motor is a permanent magnet type selected for its extended life. The fan is made of aluminum.
Current Draw:	12 amps @ 13.6 VDC (includes 4 amps A/C for clutch)
Models:	RDH R6160 0 (12 VDC)

OPTIONS:

RDH RD5 4722 1
Receiver Drier Kit (12/24 VDC)

ABP N83 328496
Winter Cover

RDH RD4 4529 1
Bug Screen



All drawings are to scale

R6260

Rooftop Condenser (38,800 BTU)
Heavy & Medium Duty Trucks • Construction & Agricultural

The latest in design technology was used in developing the R-6260. From its modern aerodynamic look to its high capacity, the R-6260 out performs any unit in its class. Under the cover, Red Dot uses heavy duty construction to meet the demands of the class 8 marketplace.

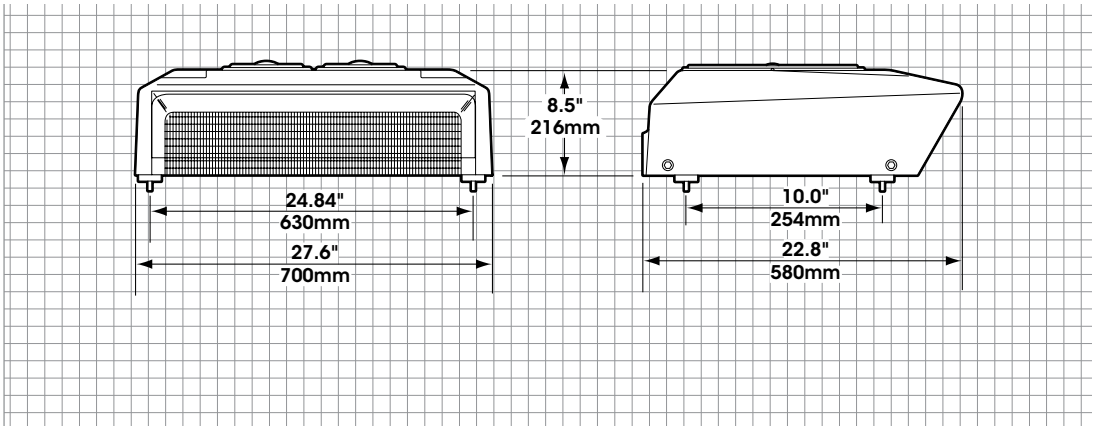


SPECIFICATIONS

Capacity	38,800 BTU/hr (11.4 kW @ 65.5°C)
Weight	30 lbs. (14 kg) Lightweight
Motor/Fan	Two 11-inch (27.9 cm) diameter pancake motor fan assembly producing 970 CFM (1,648 m^3/h)
Current Draw	15 amps @ 13.6 VDC (includes 4 amps A/C for clutch) 8.5 amps @ 27.2 VDC (includes 2 amps A/C for clutch)
Models	RDH R6260 1 (12 VDC),

OPTIONS:

Bug Screen Kit	RDH RD4 5135 0



R254, R255

Auxiliary Heaters
Trucks • Recreational

These auxiliary heaters are among the most versatile and maintenance free units Red Dot has ever built. Red Dot's round tube and fin design allows heater mounting in any position, using our multi-position leg brackets or flush mount frame. The compact size, simple plumbing and high output are ideal in any application.



R254 4 Configuration Shown with mounting legs



R254 0 Shown with mounting legs

SPECIFICATIONS

	R254	R255
BTU's:	16,000 BTU/hr @ 150°F (4kw 4.69 @ 65.6°C) air temp. rise	30,000 BTU/hr @ 100°F (kw 8.79 @ 37.8°C) air temp. rise
Air Flow:	150 CFM (255 m^3/h)	280 CFM (476 m^3/h)
Weight:	7 lbs. (3 kg)	12 lbs. (5.5 kg)
Current Draw:	3.3 amps @ 13.6 VDC 1.7 amps @ 27.2 VDC	6.6 amps @ 13.6 VDC 3.3 amps @ 27.2 VDC
Models:	SINGLE FAN ⅝" fittings, rear exit: R254 0 (12 VDC) ¾" fittings: R254 1 (12 VDC) LS	DOUBLE FAN ⅝" fittings, rear exit: R255 0 (12 VDC) ¾" fittings: R255 1 (12 VDC) LS
	FLOOR EXIT ⅝" fittings: R254 4 (12 VDC)	FLOOR EXIT ⅝" fittings: R255 4 (12 volt)

OPTIONS:

ABP N83 313300
Heater Hose

ABP N83 322185
Toggle Switch

ABP N83 328146
Defrost Hose Outlet 3 ½"

DIAGRAM FOR R254

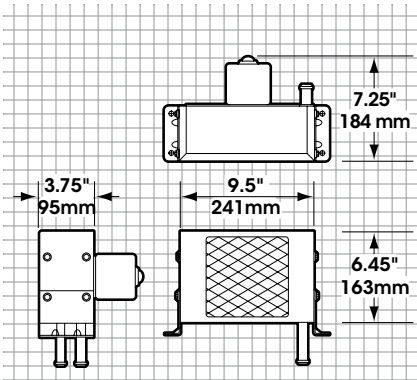
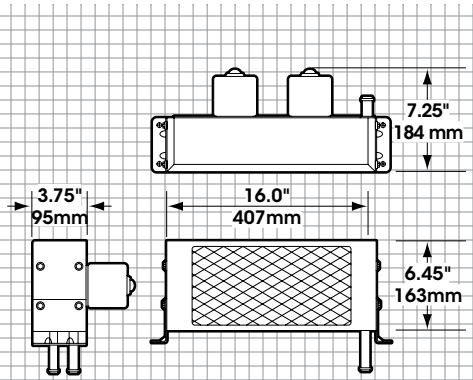


DIAGRAM FOR R255



All drawings are to scale

LS = Limited to stock on hand

R270

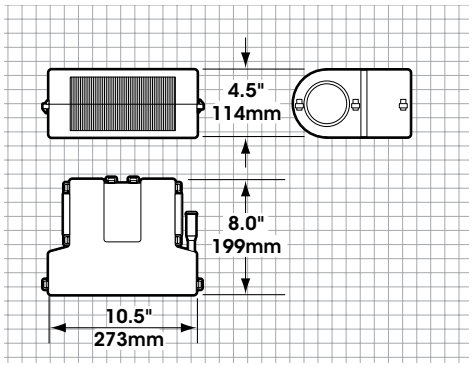
Auxiliary Heater
Trucks • Recreational Vehicles

An extremely compact heater the R-270 series offers a highly tooled light weight design. There are three optional "Snap In" outlet configurations available which will allow for various air flow configurations. In addition Red Dot offers an optional installation kit which includes mounting hardware and fan switch.



SPECIFICATIONS

BTU's:	Heating – 15,000 BTU/hr @ 100°F air temp. rise (4.4 kW @ 34.8°C)
Air Flow:	140 CFM (237 m^3/h)
Weight:	7 lbs. (3 kg)
Motors:	One 12 VDC (2 speed)
Current Draw:	7.7 amps @ 13.6 VDC
Models:	RDH R270 0 (12 VDC)



All drawings are to scale

OPTIONS:

Snap In Outlets

ABP N83 317100
Straight 2 ¼" Hose Outlet



ABP N83 317105
Louvered Outlet



ABP N83 325960
Installation Kit

R273

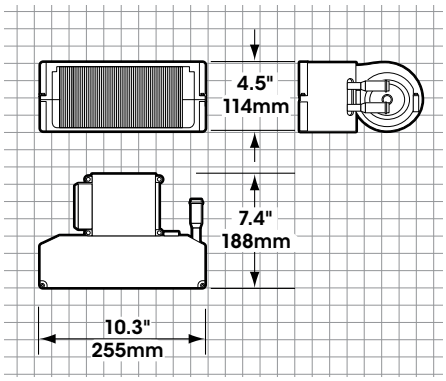
Auxiliary Heater
Trucks • Recreational Vehicles

The R-273 is a compact heater with three optional “snap-in” outlets so you can direct the air to where you need it.



SPECIFICATIONS

BTUs	Heating – 14,000 BTU/hr @ 100°F air temp. rise (4.1 kW @ 34.8°C)
Air Flow	129 CFM (220 m^3/h)
Weight	3 lbs. (1.35 kg)
Motors	One 12 VDC (2-speed)
Current Draw	4.6 amps @ 13.6 VDC 2.3 amps @ 27.2 VDC
Units	RDH R273 0 (12 VDC) RDH R273 024 (24 VDC)



All drawings are to scale

OPTIONS:

ABP N83 317125
Louvers



ABP N83 325960
Installation Kit

R2020

Auxiliary Heater-Defrost and Oil Cooler
Marine Use • Construction • Industrial Cabs



R-2020 SPECIFICATIONS

BTU's	Heat –17,800 BTU/hr @ 100°F (kw 5.21 @ 37.8°C) with water for heat source (BTU's per hour with oil for heat source lower)
Air Flow	165 CFM (280 m³/h)
Weight	10.7 lbs. (4.85 kg)
Motor	One 12 VDC or one 24 VDC single speed
Current Draw	6 amps @ 13.6 VDC, 3 amps @ 27.2 VDC
Models	RDH R2020 0 (12 VDC), RDH R2020 0 24 (24 VDC)

OPTIONS:

RDH RD1 0422 0
2 ½" Defrost Adapter
RDH RD1 0423 0
3" Defrost Adapter

SWIVEL FITTINGS

ABP N83 310014
Straight ⅝" hose
ABP N83 310015
90° ⅝" hose

HOSES

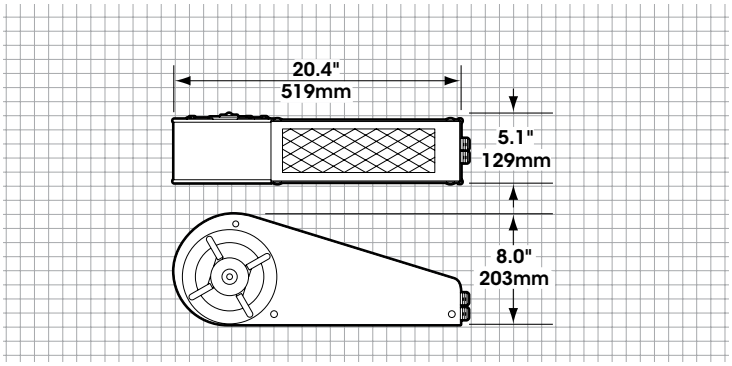
ABP N83 310276
Heater, ⅝" 50ft
ABP N83 313559
Defrost, 2 ½" 9ft
ABP N83 313905
Defrost, 3" 9ft

SWITCHES

ABP N83 322275
Toggle, ON-OFF
ABP N83 323148
Rotary, 3-speed

MOUNTING BRACKET

RDH RD1 0419 0



All drawings are to scale

R3500

Auxiliary Heater
Fire Trucks • Crash & Rescue Vehicles • Large Cabs

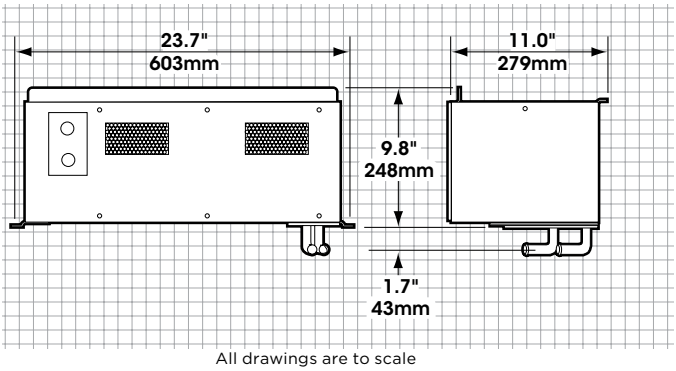
The R-3500 crew cab heater was designed with high performance to be able to heat larger cabs in extreme conditions. It's low profile and heavy duty construction allows this heater to be used in various applications.



NOTE: Gasket on front

SPECIFICATIONS

BTU's:	Heating – 49,000 BTU/hr @ 180°F (kw 14.35 @ 82.2°C) temp. rise
Air Flow:	480 CFM (816 m^3/h)
Weight:	28 lbs. (13 kg)
Current Draw:	15.9 amps @ 13.6 VDC
Models:	RDH R3500 1 (12 VDC)



All drawings are to scale

R3540

Auxiliary Heater
Fire Trucks • Buses • Vans

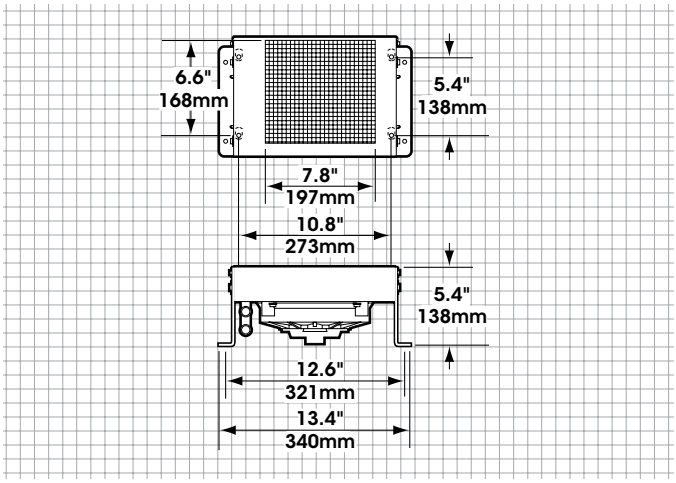
Designed to fit small areas, the R-3540 delivers a lot of BTU's for its size.
Using a pancake fan design this unit is quiet and moves close to 200 CFM of air.
The R-3540 has versatile mounting – either flat or horizontal and contains a resistor for variable speed control.





SPECIFICATIONS

BTU's:	22,970 BTU's/hr @ 180°F (kw 6.73 @ 82.6°C) air temp. rise
Air Flow:	194 CFM (330 m³/h)
Weight:	10 lbs. (4.5 kg)
Current Draw:	4.8 amps @ 13.6 VDC
Model:	RDH R3540 2



RETROFIT GUIDELINES

Procedures for R-12 to R-134a System Conversion
CAUTION: Always wear safety goggles when servicing a pressurized A/C system.

STEP 1: VISUAL INSPECTION

- Make certain engine is off.
- Check for worn, broken or leaking A/C hoses or other obvious leakage, broken or missing parts and note.
- If visual inspection is O.K., proceed to Step 2.

STEP 2: PERFORMANCE CHECK

- Make certain engine is off.
- Attach gauge and hose set to A/C system on maximum setting and high-level blower speed.
- Make certain compressor clutch is engaged.
- Observe A/C outlet duct temperature and system pressures. If o.k. proceed to Step 3.
- If A/C outlet duct temperature and gauge readings are not o.k. attempt to isolate the problem.

Listed below are some common areas to check:

- Is the compressor belt tight?
- Is condenser/ radiator fan working or fan clutch working?
- Is compressor clutch engaged (air gap between pulley and hub face to wide? Is clutch wire connected?
- Check radiator coolant level.
- Check condenser condition (use air to blow out any bugs, leaves, dirt or other debris that might restrict airflow).
- Fast cycling might indicate low refrigerant or plugged orifice tube or expansion valve.
- Make certain blower fan speeds are working.
- Make certain heater control valve or blend door is in off position when maximum A/C is selected.

STEP 3: LEAK CHECK

- With engine and A/C system off, check the system for leaks with an electronic leak detector or tracer dye. If the system has little or no refrigerant, sufficient R-12 must be added to perform a correct leak test and to determine if component problems exist.
- If no system leaks are found, proceed to Step 4.
- If leaks are found, take note for later repair and proceed to Step 4.

STEP 4: RECOVER R-12 REFRIGERANT

- It is unlawful to vent R-12 refrigerant into the atmosphere. Recover R-12 with a conventional recover/ recycling machine according to EPA regulations and SAE procedures. Equipment should meet SAE J1990 and J2209 specifications.
- Once the A/C system has all the R-12 removed, repairs and service can be performed.

STEP 5: SYSTEM FLUSHING

- As R-134A and mineral oil are not compatible, it is necessary to flush any residual oil out. As a mechanic would have no way of telling how many ounces of oil remain, this also ensures any oil overcharge doesn't occur, which would cause compressor slugging.
- It is also necessary to flush out the A/C system if compressor or component failure has occurred. The following flush procedures are suggested for use with a pressured type flush gun and A/C Flush.
- Fill flush gun with 6 to 14 oz. of A/C Flush.
- Prepare A/C system for flushing by disconnecting hoses from condenser, evaporator, compressor, accumulator or filter drier. Remove expansion valve or orifice tube from evaporator or liquid line. Do not flush these components. The accumulator or filter drier should be replaced with a unit containing XH-7 or XH-9 desiccant.
- Connect compressed air or nitrogen to flush gun container.
  CAUTION: DO NOT EXCEED MANUFACTURER'S MAXIMUM ALLOWED SYSTEM PRESSURE.
- Flush hoses, evaporator and condenser. Care should be taken when flushing condensers and evaporators so that excessive flush is not left in the system. It is not advisable to flush the compressor as debris could be lodged within oil channels, bearings, seals or valve plates and reeds.

- To flush, insert flush gun nozzle into inlet of component and flush thoroughly until clean A/C flush flows from the outlet.
- Capture spent flush in an appropriate container.
- Accumulators should be removed and drained. Measure the drained oil and replace the equivalent amount of Retro A/C lubricant into the new replacement filter drier if vehicle is so equipped.
- Charge the remainder of the Retro A/C lubricant into the system as recommended by the vehicle manufacturer.
- Remove as much of the old lubricant and the A/C flush as possible by blowing dry air or nitrogen through the flushed connections.
- Repeat if necessary until the component is clean.
- Dispose of contaminated A/C Flush in accordance with city, county, state and federal laws.

STEP 6: COMPONENT REPLACEMENT

- Install new R-134a O-rings, metal caskets or fiber gaskets on replacement accumulators, filter driers, and compressor hose connections. Always lubricate these items with Retro A/C lubricant before installation.
- Replace new accumulator or filter drier with units containing XH-7 or XH-9 desiccant material (follow oil replacement procedures indicated in Step 5 on these components).
- In-line filters and high-pressure switches can be installed as an additional precautionary measure.
- If new refrigerant hoses are necessary, replace only with barrier type refrigerant hose.
- It may be necessary to add a larger condenser or additional electric fan on a few select unit designs to handle the higher operating pressures associated with R-134a refrigerant. However, the majority of units have acceptable R-134a capacity from the factory.
- Replace the R-12 expansion valve or orifice tube with units calibrated to R-134a.

STEP 7: FINAL SERVICE PROCEDURES

- Remove and discard plastic valve port caps.
- Remove original valve core and discard. Your new retrofit adapters have new valve cores already installed.
- Thoroughly clean the external valve port threads with a wire brush or A/C port deburring tool.
- Determine the correct retro adapter size (7⁄16" – 20 1⁄4" or 3⁄8" –24 3⁄16" size) or primary type seal.
- Carefully screw on the new adapter onto the valve port being careful not to cross thread or over tighten the adapter. Remember: The retro adapters are equipped with a thread lock adhesive that is activated when the threading action takes place.
- Inspect the A/C system for any additional valve ports that are unused but need to be capped off. If found, use a disable cap with thread lock adhesive of the corresponding port size and cap off.
- Evacuate at 29" of vacuum (30 minutes for single A/C units and 45 minutes for dual A/C units).
- Charge system with R-134a using 80% of original of R-12 amount. Then add 1⁄4 pound increments of R-134a until head pressure gauge starts rising and then stop.
- Operate the A/C system to ensure proper operation and perform leak test.
- Fill out the special SAE blue label indicating vehicle retrofit and cover existing R-12 label. (Remove or cover any other existing labels indicating R-12 system information.)
- Vehicle retrofit is complete.

The above mentioned procedures are general guidelines. Since A/C system vary per model and vehicle manufacturer, please consult your OEM and appropriate SAE document J1661 for vehicle specific questions.

WHEN SHOULD AN R-12 A/C SYSTEM BE RETROFITTED?

- Retrofit will be based on financial factors.
- Retrofitting to R-134a to standardize on the use of one refrigerant in the shop may be cost effective.
- The best time to retrofit.
  - After a major component failure.

WHAT ARE THE OPTIONS WHEN RETROFITTING?

Option 1: The Minimum

What the Law Requires

- Recover the R-12
- Disable or replace the R-12 service ports.
- Install new service ports for alternate refrigerant being used
- Charge A/C system with EPA approved alternate refrigerant
- Install label for alternate refrigerant used
  - List the amount and type of refrigerant and oil used on the label

Option 2: Improved

- Complete "Option 1"
- Drain mineral oil from compressor
- Replace receiver drier/ accumulator
- Add proper type and amount of oil (PAG/ Ester) depending on the type of compressor
- Charge system with R134a

Option 3: Better

- Complete "Option 1"
- Replace with R-134a components
  - Compressor
  - Receiver drier/ accumulator
  - O-rings
- Flush hose assemblies
- Add proper type and amount of oil (PAG or Ester)
- Charge system with R-134a

Option 4: Best

- Complete " Option 1"
- Replace with R-134a components
  - Compressor
  - Receiver drier/ accumulator
  - O-rings
  - Expansion valve/orifice tube
  - Hose/fittings/o-rings assemblies
- Add proper type and amount of oil (PAG or Ester)
- Charge system with R-134a

CROSS REFERENCE

AIR SOURCE	
0008	ABP N83 312336
0012	ABP N83 305019
0016	ABP N83 312010
0017	ABP N83 312032
0042EZ	ABP N83 312088
0108	ABP N83 312326
0113	ABP N83 312332
0121	ABP N83 305019
0126	ABP N83 312076
0127	ABP N83 312060
0128	ABP N83 312092
0130	ABP N83 312076
0131	ABP N83 312368
0134B	ABP N83 308195
0141	ABP N83 312361
0142	ABP N83 312372
0199	ABP N83 312125
10-0001	ABP N83 325023
10-0002	ABP N83 328255
10-0026	ABP N83 325035
10-0032	ABP N83 301227
10-0033	ABP N83 301228
10-0039	ABP N83 322965
10-0041	ABP N83 327050
10-0042	ABP N83 328486
10-0043	ABP N83 328137
10-0055	ABP N83 328466
10-0072	ABP N83 328496
10-0073	ABP N83 319148
10-0082	ABP N83 311401
10-0086	ABP N83 328721
10-0090	ABP N83 325198
10-0091	ABP N83 328736
10-0092	ABP N83 328233
10-0502	ABP N83 328146
10-0520	ABP N83 325960
1021	ABP N83 322275
1025	ABP N83 322350
1026	ABP N83 322355
1028	ABP N83 322340
1030	ABP N83 322185
1038	ABPN83 322063
1040	ABP N83 322170
1042	ABP N83 322113
1045	ABP N83 322375
1050	ABP N83 322005

AIR SOURCE	
1055	ABP N83 322000
1056	ABP N83 322003
1058	ABP N83 322023
1060	ABP N83 322055
1070	ABP N83 322060
1082	ABP N83 322067
10-9723	ABP N83 325046
10-9911	ABP N83 327371
10-9912	ABP N83 328241
10-9914	ABP N83 328242
10-9917	ABP N83 328244
10-9925	ABP N83 325034
10-9928	ABP N83 328251
10-9929	ABP N83 328252
10-9935	ABP N83 328245
10-9936	ABP N83 325036
1102	ABP N83 322215
1104	ABP N83 322320
1105	ABP N83 322325
1106	ABP N83 322205
1107	ABP N83 322180
1109	ABP N83 322223
1110	ABP N83 322232
1111	ABP N83 322224
1150	ABP N83 322190
1151	ABP N83 322150
1151	ABP N83 323063
1155	ABP N83 323148
1160	ABP N83 322105
1179	ABP N83 322234
1180	ABP N83 321090
1181	ABP N83 321100
1183	ABP N83 322925
1184	ABP N83 327100
1185	ABP N83 323033
1186	ABP N83 321080
1187	ABP N83 322225
1200	ABP N83 321300
1211	ABP N83 320050
1214	ABP N83 320060
1216	ABP N83 320052
1217	ABP N83 320055
1218	ABP N83 320062
1219	ABP N83 320065
1220	ABP N83 321060
1221	ABP N83 321200

AIR SOURCE	
1224	ABP N83 321300
1228	ABP N83 321300
1229	ABP N83 321350
1233	ABP N83 321300
1234	ABP N83 321350
1235	ABP N83 322580
1239	ABP N83 322580
1240	ABP N83 320220
1241	ABP N83 322435
1243	ABP N83 321004
1245	ABP N83 320120
1246	ABP N83 320170
1250	ABP N83 320140
1251	ABP N83 320280
1252	ABP N83 320290
1255	ABP N83 320340
1260	ABP N83 320330
1261	ABP N83 320150
1262	ABP N83 320160
1263	ABP N83 320155
1264	ABP N83 320320
1270	ABP N83 316055
1271	ABP N83 316050
1272	ABP N83 316035
1275	ABP N83 316140
1283	ABP N83 316120
1289	ABP N83 316140
1291A	ABP N83 316130
1311	ABP N83 322800
1315	ABP N83 323000
1318	ABP N83 323088
1324	ABP N83 318035
1325	ABP N83 323078
1326	ABP N83 323034
1327	ABP N83 323014
1328	ABP N83 323024
1331	ABP N83 323040
1332	ABP N83 323010
1332	ABP N83 323228
1333	ABP N83 323065
1335	ABP N83 323138
1336	ABP N83 323118
1337	ABP N83 323238
1340	ABP N83 323110
1342	ABP N83 323040
1342	ABP N83 323050

AIR SOURCE	
1343	ABP N83 323074
1348	ABP N83 323108
1349	ABP N83 323120
1350	ABP N83 323065
1362	ABP N83 321380
1363	ABP N83 321370
1364	ABP N83 321290
1374	ABP N83 318076
1380	ABP N83 318928
1384	ABP N83 318042
1386	ABP N83 318868
1388	ABP N83 318048
1399	ABP N83 318088
1400	ABP N83 322671
1411	ABP N83 318174
1412	ABP N83 318214
1415	ABP N83 322270
1418	ABP N83 318224
1420	ABP N83 318234
1426	ABP N83 318084
1430	ABP N83 318014
1437	ABP N83 318160
1438	ABP N83 318184
1439	ABP N83 318170
1447	ABP N83 322250
1448	ABP N83 322255
1450	ABP N83 318064
1452	ABP N83 318040
1454	ABP N83 318190
1461	ABP N83 318240
1468	ABP N83 318060
1472	ABP N83 318170
1473	ABP N83 318017
1476	ABP N83 318094
1481	ABP N83 318070
1482	ABP N83 318050
1487	ABP N83 322260
1488	ABP N83 318030
1489	ABP N83 318001
1490	ABP N83 318190
1491	ABP N83 318070
1492	ABP N83 318108
1493	ABP N83 318118
1495	ABP N83 322260
1496	ABP N83 318180
1497	ABP N83 318200

AIR SOURCE	
1498	ABP N83 318180
1499	ABP N83 318180
1500	ABP N83 318079
1502	ABP N83 318069
1510	ABP N83 318089
1511	ABP N83 318209
1512	ABP N83 318229
1513	ABP N83 318099
1515	ABP N83 318027
1517	ABP N83 318119
1518	ABP N83 318159
1521	ABP N83 321003
1524	ABP N83 318189
1550	ABP N83 318009
1555	ABP N83 322175
1560	ABP N83 318149
1565	ABP N83 322200
1600	ABP N83 308011
1602	ABP N83 308071
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1613	ABP N83 308291
1614	ABP N83 308301
1615	ABP N83 308361
1618	ABP N83 308241
1619	ABP N83 308107
1620	ABP N83 308045
1621	ABP N83 308117
1622	ABP N83 308022
1625	ABP N83 308085
1627	ABP N83 308251
1635	ABP N83 308065
1639	ABP N83 308331
1640	ABP N83 308331
1645	ABP N83 308291
1648	ABP N83 308151
1650	ABP N83 308049
1651	ABP N83 308067
1652	ABP N83 308027
1653	ABP N83 308037

AIR SOURCE	
1655	ABP N83 308069
1655	ABP N83 308070
1656	ABP N83 308047
1662	ABP N83 308077
1667	ABP N83 308151
1668	ABP N83 308141
1672	ABP N83 308014
1675	ABP N83 308057
1705	ABP N83 317022
1709	ABP N83 324085
1710	ABP N83 317024
1711	ABP N83 317027
1712	ABP N83 317028
1713	ABP N83 316010
1714	ABP N83 317020
1718	ABP N83 317040
1719	ABP N83 317022
1720	ABP N83 317021
1722	ABP N83 317036
1723	ABP N83 317018
1724	ABP N83 317019
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2004	ABP N83 318013
2005	ABP N83 322395
2010	ABP N83 322073
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2014	ABP N83 318113
2015	ABP N83 318123
2016	ABP N83 318133
2020	ABP N83 322077
2021	ABP N83 322100
2023	ABP N83 322075
2024	ABP N83 322095
2025	ABP N83 322090
2026	ABP N83 322195
2027	ABP N83 322070
2040	ABP N83 322165
2051	ABP N83 325190
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2105	ABP N83 324050

AIR SOURCE	
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2107	ABP N83 324065
2210	ABP N83 324070
2211	ABP N83 324080
2224	ABP N83 324430
2240	ABP N83 324430
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2270	ABP N83 324030
2271	ABP N83 324005
2271	ABP N83 324075
2280	ABP N83 324003
2281	ABP N83 324013
2282	ABP N83 324023
2283	ABP N83 324033
2284	ABP N83 324043
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2306	ABP N83 324420
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2315	ABP N83 324410
2347	ABP N83 324620
2348	ABP N83 324600
2350	ABP N83 324450
2352	ABP N83 324520
2380	ABP N83 301269
2385	ABP N83 325407
2386	ABP N83 324027
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2393	ABP N83 301429
2394	ABP N83 301439
2395	ABP N83 301449
2455	ABP N83 324020
2456	ABP N83 324025
2529	ABP N83 327830
2530	ABP N83 327347
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2535	ABP N83 327364
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2538	ABP N83 327366
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2540	ABP N83 327355
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AIR SOURCE	
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2662	ABP N83 310015
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3035	ABP N83 301461
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3072	ABP N83 301171
3102	ABP N83 301025
3109	ABP N83 301025
3130	ABP N83 301381
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3183	ABP N83 301322
3204	ABP N83 301105
3205	ABP N83 301155
3206	ABP N83 301175
3215	ABP N83 301115
3224	ABP N83 301062
3231	ABP N83 301362
3232	ABP N83 301182
3234	ABP N83 301142
3237	ABP N83 301152
3237	ABP N83 301295
3240	ABP N83 301370
3247	ABP N83 301247
3248	ABP N83 301147
3249	ABP N83 301145
3260	ABP N83 301125

AIR SOURCE	
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3283	ABP N83 301052
3308	ABP N83 301028
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3341	ABP N83 301023
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3354	ABP N83 301931
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3393	ABP N83 301162
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3542	ABP N83 301089
3552	ABP N83 301051
3560	ABP N83 305902
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3565	ABP N83 301044
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3655	ABP N83 302111
3673	ABP N83 301306
3675	ABP N83 302251
3691	ABP N83 302291
3738	ABP N83 302222
3739	ABP N83 302006
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AIR SOURCE	
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3761	ABP N83 301265
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3762	ABP N83 301987
3764	ABP N83 302152
3765	ABP N83 302162
3769	ABP N83 301281
3772	ABP N83 302222
3772	ABP N83 302321
3775	ABP N83 302261
3782	ABP N83 301987
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3854	ABP N83 309071
3855	ABP N83 309141
3862	ABP N83 309111
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3943	ABP N83 301361
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3946	ABP N83 301028
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3950	ABP N83 301342
3952	ABP N83 301192
3962	ABP N83 301331
3963V	ABP N83 301163
3964	ABP N83 301891
3965	ABP N83 301054
3967	ABP N83 301303
3968	ABP N83 301304
3971	ABP N83 301372
3972	ABP N83 301305
3973	ABP N83 301306

AIR SOURCE	
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3978	ABP N83 301053
3979	ABP N83 301267
3981	ABP N83 301245
3983	ABP N83 301821
3986	ABP N83 301263
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3999	ABP N83 301266
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4126EZ	ABP N83 310961
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4143	ABP N83 310208
4143A	ABP N83 310242
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4280	ABP N83 310076
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4285	ABP N83 310238
4286	ABP N83 310130

AIR SOURCE	
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4289	ABP N83 310138
4290	ABP N83 310030
4292	ABP N83 310033
4293	ABP N83 310128
4294	ABP N83 310140
4329	ABP N83 311036
4330	ABP N83 311058
4331	ABP N83 310060
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4340	ABP N83 311140
4341	ABP N83 311162
4346	ABP N83 311146
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4381S	ABP N83 310420
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4389	ABP N83 311046
4389EZ	ABP N83 310726C
4389S	ABP N83 311796
4389SR	ABP N83 310446
4390	ABP N83 311078
4390EZ	ABP N83 310728C
4390S	ABP N83 311838
4390SR	ABP N83 310438
4391	ABP N83 311070
4391EZ	ABP N83 310741C
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4391SR	ABP N83 310560
4392	ABP N83 311542
4392EZ	ABP N83 310732C
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AIR SOURCE	
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4393	ABP N83 311106
4393EZ	ABP N83 311976C
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4394	ABP N83 311038
4394S	ABP N83 311848
4395	ABP N83 311010
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4395S	ABP N83 310190
4396	ABP N83 311012
4396S	ABP N83 311552
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4399	ABP N83 311068
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4401S	ABP N83 310430
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4402	ABP N83 310016
4402EZ	ABP N83 310766C
4402S	ABP N83 311806
4403	ABP N83 311098
4403AR	ABP N83 310458
4403EZ	ABP N83 310768C
4403S	ABP N83 310198
4403SR	ABP N83 310458
4404	ABP N83 311080
4404AR	ABP N83 310580
4404EZ	ABP N83 310771C
4404S	ABP N83 311601
4404SR	ABP N83 310580
4405	ABP N83 311042
4405EZ	ABP N83 310762C
4405S	ABP N83 311572

AIR SOURCE	
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4406	ABP N83 310006
4406EZ	ABP N83 310786C
4406S	ABP N83 310206
4407	ABP N83 310008
4407S	ABP N83 310188
4408	ABP N83 311020
4408EZ	ABP N83 310791C
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4409	ABP N83 311022
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4411AR	ABP N83 310468
4411EZ	ABP N83 310798C
4411S	ABP N83 310278
4411SR	ABP N83 310476
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4412EZ	ABP N83 310801C
4412S	ABP N83 311250
4412SR	ABP N83 310590
4413EZ	ABP N83 310782C
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4414S	ABP N83 311748
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4415EZ	ABP N83 310816C
4415S	ABP N83 311846
4416	ABP N83 311032
4416EZ	ABP N83 310792C
4416S	ABP N83 311562
4419EZ	ABP N83 310784C
4423EZ	ABP N83 310828C
4428	ABP N83 311296
4428EZ	ABP N83 310776C
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4429EZ	ABP N83 310778C
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4430EZ	ABP N83 310781C

AIR SOURCE	
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4432	ABP N83 311444
4435	ABP N83 311386
4435EZ	ABP N83 310806C
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4436S	ABP N83 310418
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4437EZ	ABP N83 310811C
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4443EZ	ABP N83 310360C
4444	ABP N83 311156
4444EZ	ABP N83 311946C
4444S	ABP N83 311244
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4445EZ	ABP N83 311948C
4445S	ABP N83 311194
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4446EZ	ABP N83 311941C
4446S	ABP N83 311214
4447	ABP N83 311266
4447EZ	ABP N83 310346C
4447S	ABP N83 311826
4448	ABP N83 311268
4448EZ	ABP N83 310348C
4448S	ABP N83 311898
4449	ABP N83 311270
4449EZ	ABP N83 310340C
4449S	ABP N83 311274
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4461S	ABP N83 311198
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4463S	ABP N83 311062
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4466EZ	ABP N83 311966C
4467	ABP N83 311248
4467EZ	ABP N83 311968C
4468	ABP N83 311240
4468EZ	ABP N83 311961C
4469	ABP N83 311102
4469EZ	ABP N83 310752C
4470	ABP N83 311336
4470S	ABP N83 311716
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AIR SOURCE	
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4472S	ABP N83 311591
4473	ABP N83 311202
4473S	ABP N83 311204
4474	ABP N83 311196
4474S	ABP N83 311776
4475	ABP N83 311158
4475S	ABP N83 311828
4476	ABP N83 310020
4476S	ABP N83 311681
4478	ABP N83 311256
4478AR	ABP N83 310512
4478EZ	ABP N83 310706C
4478S	ABP N83 311706
4478SR	ABP N83 310436
4479	ABP N83 311348
4479AR	ABP N83 310428
4479EZ	ABP N83 310708C
4479S	ABP N83 311758
4479SR	ABP N83 310436
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4480AR	ABP N83 310550
4480EZ	ABP N83 310711C
4480S	ABP N83 311980
4480SR	ABP N83 310428
4481	ABP N83 311172
4481AR	ABP N83 310512
4481EZ	ABP N83 310712C
4481S	ABP N83 311762
4481SR	ABP N83 310550
4482	ABP N83 311346
4482S	ABP N83 311786
4482SR	ABP N83 310512
4483	ABP N83 311358
4483S	ABP N83 311794
4484	ABP N83 311350
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4485S	ABP N83 311702
4486	ABP N83 311798
4486EZ	ABP N83 311962C
4486S	ABP N83 311704
4487	ABP N83 311000
4487EZ	ABP N83 311964C
4487S	ABP N83 311714
4489	ABP N83 311512

AIR SOURCE	
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4489S	ABP N83 311722
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4491S	ABP N83 311278
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4494	ABP N83 310266
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4495	ABP N83 310228
4495EZ	ABP N83 311938C
4495S	ABP N83 311808
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4496EZ	ABP N83 311220C
4496S	ABP N83 311561
4497EZ	ABP N83 311932C
4497S	ABP N83 311532
4499S	ABP N83 311760
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4503EZ	ABP N83 311958C
4503S	ABP N83 311888
4503SR	ABP N83 310478
4504EZ	ABP N83 311951C
4504S	ABP N83 311950
4504SR	ABP N83 310600
4505EZ	ABP N83 310300C
4505S	ABP N83 311592
4505SR	ABP N83 310464
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4508	ABP N83 310400
4510	ABP N83 311176
4510EZ	ABP N83 310746C
4510S	ABP N83 311676
4510SR	ABP N83 310496
4511EZ	ABP N83 310748C
4511S	ABP N83 311738
4511SR	ABP N83 310488
4512EZ	ABP N83 310700C
4512S	ABP N83 310010

AIR SOURCE	
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4513EZ	ABP N83 310701C
4513S	ABP N83 310500
4513SR	ABP N83 310540
4524	ABP N83 305227
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4525	ABP N83 305285
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4537EZ	ABP N83 310310C
4539EZ	ABP N83 311998C
4541S	ABP N83 310624
4542EZ	ABP N83 310320C
4543EZ	ABP N83 310702C
4550EZ	ABP N83 310738C
4578	ABP N83 314010
4578EZ	ABP N83 310716C
4578S	ABP N83 311536
4578SR	ABP N83 311466
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4579EZ	ABP N83 310718C
4579S	ABP N83 311718
4579SR	ABP N83 311698
4580	ABP N83 314040
4580EZ	ABP N83 310721C
4580S	ABP N83 311551
4580SR	ABP N83 311960
4581	ABP N83 305090
4581EZ	ABP N83 310722C
4581S	ABP N83 311522
4581SR	ABP N83 310522
4582EZ	ABP N83 310731C
4670EZ	ABP N83 311926C
4672EZ	ABP N83 311907C
4674EZ	ABP N83 311931C
4676EZ	ABP N83 311952C
4676EZ	ABP N83 3119555C
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4840A	ABP N83 327626
4840A	ABP N83 327738
4840R	ABP N83 327736

AIR SOURCE	
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4841A	ABP N83 327628
4842	ABP N83 327721
4842A	ABP N83 327631
4843	ABP N83 327722
4845	ABP N83 327905
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AIR SOURCE	
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5064	ABP N83 303722
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5096	ABP N83 303011
5097	ABP N83 303142
5116	ABP N83 303482
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5121	ABP N83 303421
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5125	ABP N83 303421
5126	ABP N83 303167
5127	ABP N83 303287
5128	ABP N83 303177
5129	ABP N83 303187
5130	ABP N83 303252
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5135	ABP N83 303511
5137	ABP N83 303387
5138	ABP N83 303402
5139	ABP N83 303422
5141	ABP N83 303102
5141	ABP N83 303432
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5144	ABP N83 303083
5145	ABP N83 303322
5150	ABP N83 304008
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E35Y-19E561A	ABP N83 318174
E3AZ-2A987-A	ABP N83 303711
E3LY-19D786	ABP N83 303051
E3TZ-18527A	ABP N83 301105
E3TZ-19C836B	ABP N83 319099
E49Z-19C836C	ABP N83 319950
E4HS-14086-AA	ABP N83 318149
E4HZ-19703F	ABP N83 304474
E4TZ-19703C	ABP N83 304293
E4TZ-2884A	ABP N83 303541
E5LZ-19D784-A	ABP N83 303011
E69Z-19C836A	ABP N83 319089
E69Z-19C836B	ABP N83 319079
E6FZ-19703B	ABP N83 304293
E6VY-19703A	ABP N83 304027
E7D7-19E561	ABP N83 318174
E7GZ-19703B	ABP N83 304222
E7GZ-19703BA	ABP N83 304293
E7HT-18C535AA	ABP N83 322023
E7HT-19959CA	ABP N83 319340

FORD	
E7HZ-19618-A	ABP N83 323014
E7HZ-19618AA	ABP N83 323014
E7HZ-19959A	ABP N83 319940
E7TZ-19703B	ABP N83 304027
E7TZ-19860A	ABP N83 307555
E7TZ-19860-A	ABP N83 307555
E7TZ-19C836A	ABP N83 319099
E7VY-19703A	ABP N83 304007
E8AZ-19703A	ABP N83 304293
E8AZ-19703B	ABP N83 304293
E8AZ-19703C	ABP N83 304293
E8HF-19805AA	ABP N83 301155
E8HT-19D629CA	ABP N83 304182
E8HZ-19959-A	ABP N83 319340
E8HZ-2884A	ABP N83 303352
E8HZ-984A	ABP N83 303352
E8LH-19D798BA	ABP N83 303541
E8TZ-19703A	ABP N83 304293
E8UF-19805AA	ABP N83 301125
E8UZ-18527A	ABP N83 301145
E8UZ-19D990-A	ABP N83 308027
E92H-19D990A	ABP N83 308027
E93Z-19703B	ABP N83 304332
E93Z-19703B	ABP N83 304684
E9GY-19703C	ABP N83 304293
E9HT-19805AA	ABP N83 301155
E9HZ-19703A	ABP N83 304182
E9HZ-19A706	ABP N83 321200
E9TH-19805AA	ABP N83 301145
E9TZ-19703B	ABP N83 304293
E9TZ-19703C	ABP N83 304293
EDE6LH-19805DA	ABP N83 301162
EOV-19D990A	ABP N83 308067
F0HT-18C535AA	ABPN83 322063
F0HT-18C535-AA	ABPN83 322063
F0HZ-19959B	ABP N83 319940
F0HZ-19986A	ABPN83 322063
F0HZ-19D786A	ABP N83 303352
F0TH-19B808BA	ABP N83 319099
F0TH-19C836BA	ABP N83 319099
F0TZ-19703D	ABP N83 304293
F1HH-19805AB	ABP N83 301055
F1HZ-19712A	ABP N83 306815
F1HZ-19805A	ABP N83 301055
F1HZ-19805-A	ABP N83 301055
F1HZ-19860A	ABP N83 307485

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F20H-19D786-AA	ABP N83 303717
F2DZ-19D990A	ABP N83 308027
F2HZ19712A	ABP N83 306815
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F2HZ-19959-A	ABP N83 319340
F2TZ-18527A	ABP N83 301145
F2UZ-19805A	ABP N83 301020
F2UZ-19805A	ABP N83 301135
F2UZ-19805-A	ABP N83 301135
F2UZ-19C836A	ABP N83 319109
F37Z-19703D	ABP N83 304293
F39Z-19C836A	ABP N83 319079
F39Z-19D990A	ABP N83 308047
F3AH-19E561AA	ABP N83 318214
F3AZ-19E561A	ABP N83 318214
F3DZ-19C836A	ABP N83 319109
F3HT-19D629AB	ABP N83 304773
F3HT-19D629BA	ABP N83 304464
F3SY-19D990A	ABP N83 308067
F3UH-19846AA	ABP N83 301135
F3XY-19D990A	ABP N83 308067
F40Y-19703A	ABP N83 304147
F47Z-19805A	ABP N83 301105
F49Z-19C836A	ABP N83 319950
F49Z-19C836D	ABP N83 319319
F4HH-19805AA	ABP N83 301055
F4HH-19E647AA	ABP N83 319119
F4HT-19D629AA	ABP N83 304773
F4HT-19D629BA	ABP N83 304464
F4HT-19D629-CA	ABP N83 304053
F4HZ-19712A	ABP N83 306875
F4HZ-19C836 A	ABP N83 319119
F4HZ-19C836A	ABP N83 319119
F4HZ-19D786A	ABP N83 303157
F4HZ-19D786-A	ABP N83 303157
F4HZ-19D786B	ABP N83 303421
F4HZ-19D786C	ABP N83 303422
F4HZ-19D786D	ABP N83 303421
F4TH-19805AA	ABP N83 301055
F4TZ-19712B	ABP N83 306835
F4TZ-19712D	ABP N83 306835
F4UZ-19C836A	ABP N83 319139
F4VH-19805AA	ABP N83 301115
F4VZ-19805BD	ABP N83 301115
F5DZ-19D990AB	ABP N83 308027

FORD	
F5HZ-19712B	ABP N83 306860
F5HZ-19712C	ABP N83 306865
F5HZ-19712CA	ABP N83 306845
F5HZ-19712E	ABP N83 306870
F5HZ-19721B	ABP N83 306860
F5UZ-19D099AB	ABP N83 308067
F5VH-19E561AA	ABP N83 318224
F5VY-19D784-A	ABP N83 303142
F5VY-19E561A	ABP N83 318224
F5XZ-19D990AB	ABP N83 308067
F65Z-19C836AA	ABP N83 319169
F6DZ-19703AA	ABP N83 304057
F6HS-19D629BA	ABP N83 304454
F6HS-19D629BA	ABP N83 304753
F6HT-19710BA	ABP N83 306880
F6HZ-19712A	ABP N83 306880
F6HZ-19C836A	ABP N83 319309
F6RZ-19E561AA	ABP N83 318234
F6TZ-19C836AA	ABP N83 319219
F6UZ-19C836AA	ABP N83 319139
F75Z-19C836AA	ABP N83 319179
F75Z-19C836BA	ABP N83 319199
F77Z-19703AB	ABP N83 304057
F7UZ-19712AA	ABP N83 306830
F7UZ-19C836AB	ABP N83 319169
F7UZ-19C836BB	ABP N83 319189
F81Z-19C836AA	ABP N83 319239
F85Z-19C836AB	ABP N83 319249
F85Z-19C836BA	ABP N83 319249
F8HH-19805AA	ABP N83 301020
F8HH-19805AA	ABP N83 301135
F9UZ-19C1836AB	ABP N83 319169
FF-E4TH-BA1	ABP N83 303711
N83304523	ABP N83 304434
VST95BW19E561AA	ABP N83 318224
X4CH-19D629AA	ABP N83 304454
X4CH-19D629AA	ABP N83 304753
XC3H-19D629AB	ABP N83 304043
XC4H-19805-AA	ABP N83 301135
XC4H-19D629AA	ABP N83 304454
XC4H-19D629AA	ABP N83 304753
XC4H-19D990A	ABP N83 308067
XC4H-19D990AA	ABP N83 308067
XL3Z-19C836AA	ABP N83 319209
XL3Z-19C836BA	ABP N83 319229
YC2Z-19C836AA	ABP N83 319169

FORD	
YL3H-19E647BD	ABP N83 319239

FOUR SEASONS	
10106	ABP N83 311066
10108	ABP N83 311088
10110	ABP N83 311140
10112	ABP N83 311162
10306	ABP N83 311146
10308	ABP N83 311048
10310	ABP N83 311050
10312	ABP N83 311092
10406	ABP N83 311286
10408	ABP N83 311288
10410	ABP N83 311130
10412	ABP N83 311132
10606	ABP N83 311226
10608	ABP N83 311218
10610	ABP N83 311030
10612	ABP N83 311072
10706	ABP N83 311046
10708	ABP N83 311078
10710	ABP N83 311070
10712	ABP N83 311542
10806	ABP N83 311106
10808	ABP N83 311038
10810	ABP N83 311010
10812	ABP N83 311012
10906	ABP N83 311056
10908	ABP N83 311068
10910	ABP N83 311040
10912	ABP N83 311032
12718	ABP N83 305125
12720	ABP N83 305115
12721	ABP N83 305095
12722	ABP N83 305105
12728	ABP N83 305405
12729	ABP N83 305080
12730	ABP N83 305400
12731	ABP N83 305070
12778	ABP N83 305085
12780	ABP N83 305095
13408	ABP N83 311296
13862	ABP N83 311331
14006	ABP N83 310016
14008	ABP N83 311098
14010	ABP N83 311080

FOUR SEASONS	
14012	ABP N83 311042
14106	ABP N83 310006
14108	ABP N83 310008
14110	ABP N83 311020
14112	ABP N83 311022
14176	ABP N83 310266
14178	ABP N83 310228
14206	ABP N83 311026
14208	ABP N83 311018
14210	ABP N83 311090
14212	ABP N83 311582
14306	ABP N83 311256
14308	ABP N83 310321
14310	ABP N83 311340
14312	ABP N83 311172
14326	ABP N83 311216
14328	ABP N83 311248
14330	ABP N83 311240
14332	ABP N83 311102
14460	ABP N83 310250
14710	ABP N83 311350
14718	ABP N83 305320
14720	ABP N83 305830
14728	ABP N83 311258
14730	ABP N83 311260
14818	ABP N83 314285
14820	ABP N83 311470
14822	ABP N83 311112
14918	ABP N83 311058
14926	ABP N83 311436
14936	ABP N83 311036
14946	ABP N83 314010
14948	ABP N83 314000
14950	ABP N83 314040
14952	ABP N83 305090
15046	ABP N83 311434
15422	ABP N83 311290
15606	ABP N83 311100
15806	ABP N83 311336
15808	ABP N83 311338
15810	ABP N83 311320
15812	ABP N83 311202
15826	ABP N83 311196
15828	ABP N83 311158
15830	ABP N83 310020
16746	ABP N83 314125

FOUR SEASONS	
16749	ABP N83 314155
16836	ABP N83 311271
17231	ABP N83 314182
17232	ABP N83 314183
17233	ABP N83 314181
17234	ABP N83 314185
17406	ABP N83 311346
17408	ABP N83 311358
17850	ABP N83 311276
17852	ABP N83 311278
17854	ABP N83 311280
17856	ABP N83 311122
17878	ABP N83 311198
24014	ABP N83 305560
24017	ABP N83 305550
24019	ABP N83 305565
24117	ABP N83 305010
24174	ABP N83 305500
24503	ABP N83 327310
24504	ABP N83 312336
24506	ABP N83 312036
24508	ABP N83 312018
24510	ABP N83 312010
24512	ABP N83 312032
33205	ABP N83 319029
33253	ABP N83 319120
33270	ABP N83 319100
33297	ABP N83 319184
33315	ABP N83 319094
33317	ABP N83 319514
33323	ABP N83 319910
33365	ABP N83 319290
33464	ABP N83 319107
33466	ABP N83 319554
33471	ABP N83 319190
33473	ABP N83 319414
33474	ABP N83 319504
33482	ABP N83 319350
33493	ABP N83 319134
33498	ABP N83 319160
33537	ABP N83 319190
34207	ABP N83 319009
34234	ABP N83 319414
34307	ABP N83 319174
34313	ABP N83 319180
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FOUR SEASONS	
34319	ABP N83 319294
34393	ABP N83 319114
34490	ABP N83 319144
35258	ABP N83 301171
35320	ABP N83 309071
35330	ABP N83 309141
35422	ABP N83 301121
35430	ABP N83 301271
35433	ABP N83 301097
35434	ABP N83 301271
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35447	ABP N83 302002
35473	ABP N83 301025
35478	ABP N83 301561
3550	ABP N83 301042
35500	ABP N83 301072
35501	ABP N83 301162
35502	ABP N83 301411
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35523	ABP N83 301051
35524	ABP N83 301131
35528	ABP N83 302032
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35540	ABP N83 301291
35542	ABP N83 301097
35545	ABP N83 301105
35546	ABP N83 301322
35550	ABP N83 301025
35554	ABP N83 301025
35568	ABP N83 301155
35587	ABP N83 301025
35672	ABP N83 301332
35701	ABP N83 323148
35702	ABP N83 322190
35705	ABP N83 323148
35706	ABP N83 323040
35715	ABP N83 323098
35716	ABP N83 322005
35717	ABP N83 323108
35718	ABP N83 322000
35758	ABP N83 318014
35759	ABP N83 318178
35767	ABP N83 320170
35801	ABP N83 322205

FOUR SEASONS	
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35823	ABP N83 323040
35825	ABP N83 318030
35827	ABP N83 318060
35828	ABP N83 318050
35833	ABP N83 318064
35834	ABP N83 323078
35838	ABP N83 318094
35846	ABP N83 323088
35847	ABP N83 323014
35856	ABP N83 323014
35857	ABP N83 323034
35863	ABP N83 323010
35867	ABP N83 318070
35888	ABP N83 321060
35889	ABP N83 318009
35896	ABP N83 322270
35897	ABP N83 322105
35898	ABP N83 318079
35899	ABP N83 318009
35901	ABP N83 322175
35913	ABP N83 320140
35975	ABP N83 322215
35989	ABP N83 320140
36646	ABP N83 318229
36670	ABP N83 318040
36682	ABP N83 322350
36866	ABP N83 309151
36870	ABP N83 309101
38606	ABP N83 308015
38610	ABP N83 308085
38621	ABP N83 308067
38623	ABP N83 308049
38720	ABP N83 308065
38725	ABP N83 308015
38727	ABP N83 308065
38729	ABP N83 308045
38733	ABP N83 308065
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38872	ABP N83 308085
38879	ABP N83 308191
38910	ABP N83 308069
47255	ABP N83 305005
47531	ABP N83 303083
47534	ABP N83 303012
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FOUR SEASONS	
47586	ABP N83 303282
47811	ABP N83 303051
47873	ABP N83 303151
47900	ABP N83 303261
47901	ABP N83 303371
47902	ABP N83 303172
47903	ABP N83 303202
47904	ABP N83 303371
47905	ABP N83 303221
47907	ABP N83 303083
47910	ABP N83 303142
47926	ABP N83 303322
47931	ABP N83 303051
47938	ABP N83 303342
47939	ABP N83 303042
47959	ABP N83 303007
47963	ABP N83 303211
47968	ABP N83 303011
47971	ABP N83 303171
47973	ABP N83 303071
47978	ABP N83 303401
47979	ABP N83 303102
47980	ABP N83 303191
47985	ABP N83 303191
47994	ABP N83 303021
47996	ABP N83 303722
47998	ABP N83 303491
55016	ABP N83 313106
55018	ABP N83 313118
55020	ABP N83 313100
55044	ABP N83 313558
55046	ABP N83 313559
55048	ABP N83 313905
55050	ABP N83 313560
55416	ABP N83 313106
55418	ABP N83 313118
55420	ABP N83 313100
55422	ABP N83 313102
57034	ABP N83 304292
57056	ABP N83 304081
57089	ABP N83 304008
58034	ABP N83 304292
58035	ABP N83 304202
58056	ABP N83 304081
58511	ABP N83 304282
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FOUR SEASONS	
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58517	ABP N83 304019
58521	ABP N83 304019
58589	ABP N83 304152
58590	ABP N83 304332
58613	ABP N83 304039
58615	ABP N83 304239
58618	ABP N83 304015
58622	ABP N83 304045
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58641	ABP N83 304172
58646	ABP N83 304132
58649	ABP N83 304142
58666	ABP N83 304122
58778	ABP N83 304504
59010	ABP N83 325021
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59621	ABP N83 325175
59622	ABP N83 305080
59710	ABP N83 327721
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59970	ABP N83 325510
59976	ABP N83 314495
59977	ABP N83 314475
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59981	ABP N83 314470
59982	ABP N83 314160
59985	ABP N83 314475
59986	ABP N83 314505
59987	ABP N83 314091
59988	ABP N83 314215
65125	ABP N83 305015
691708C91	ABP N83 301411
74627	ABP N83 324215
74628	ABP N83 324215
74764	ABP N83 324065
84706	ABP N83 324020
84707	ABP N83 324025

FREIGHTLINER	
00C18414	ABP N83 303007
00C332639	ABP N83 303252
02-7010151	ABP N83 308015

FREIGHTLINER	
06-35209-000	ABP N83 318035
085108-00	ABP N83 318014
1-6664	ABP N83 322185
207068/ 085108-00	ABP N83 318014
22-0417	ABP N83 322185
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22-25921-003	ABP N83 304019
22-29923-00	ABP N83 301361
22-29923-000	ABP N83 301361
22-34663-001	ABP N83 304099
22-34675	ABP N83 319254
22-34675	ABP N83 319694
22-34675	ABP N83 319695
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22-41179-000	ABP N83 304283
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22-41180-000	ABP N83 304654
22-43249-000	ABP N83 318099
22-43374-000	ABP N83 304343
22-43374-000	ABP N83 304873
22-44082-000	ABP N83 303083
22-44462-000	ABP N83 304053
22-44638-000	ABP N83 318828
22-44638-000	ABP N83 318848
22-44665-000	ABP N83 328345
22-45432-001	ABP N83 308009
22-46102-000	ABP N83 304031
22-46585-000	ABP N83 304095
22-46585-000	ABP N83 304594
22-46891-000	ABP N83 328375
22-47510-000	ABP N83 304031
22-47558-000	ABP N83 304201
22-47690-000	ABP N83 304083
22-47691-000	ABP N83 304073
22-47692-000	ABP N83 304063
22-47692-000	ABP N83 304823
22-47693-000	ABP N83 304103
22-47694-000	ABP N83 304093
22-48437-000	ABP N83 304893
22-51920-000	ABP N83 304049
22-59342-000	ABP N83 304833
22-59343-000	ABP N83 304883

FREIGHTLINER	
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22-62271-000	ABP N83 306032
22-65770-000	ABP N83 304914
22-65771-000	ABP N83 304915
22-72460-000	ABP N83 306033
274234,A22-11669	ABP N83 303002
274264	ABP N83 303211
274268	ABP N83 303091
2809-820-016	ABP N83 301147
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488-21001	ABP N83 304031
488-21562	ABP N83 304081
488-25073C	ABP N83 304101
520556	ABP N83 303167
644016.02	ABP N83 308361
681-153-12-14	ABP N83 322175
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681-833-00-64	ABP N83 308081
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A06-11454-001	ABP N83 322185
A06-14889-001	ABP N83 322190
A06-81830-000	ABP N83 308081
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A22-10582	ABP N83 303071
A22-10761	ABP N83 303021
A22-10795	ABP N83 303102
A22-10795	ABP N83 303432
A22-11671	ABP N83 303011
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A22-14423-0	ABP N83 308015
A22-14425-03	ABP N83 319014
A22-14425-1	ABP N83 319290
A22-14434-1	ABP N83 306235
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A22-17483-0	ABP N83 306235
A22-18014	ABP N83 301131
A22-19726-001	ABP N83 303202
A22-21016	ABP N83 301361
A22-21403-001	ABP N83 301761
A22-21403-4E	ABP N83 301023
A22-21403-4E	ABP N83 301877
A22-22498	ABP N83 303102
A22-22498	ABP N83 303432

FREIGHTLINER	
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A22-22499	ABP N83 303071
A22-23640-000	ABP N83 323010
A22-23640-000	ABP N83 323228
A22-25255-0	ABP N83 306235
A22-28796-000	ABP N83 319084
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RDH RD5 9813 0	ABP N83 324460
RDH RD5 9814 0	ABP N83 324465
RDH RD5 9935 0	ABP N83 308251
RDH RD5 9952 0	ABP N83 305950
RDH RD5 9987 0	ABP N83 312125

FREIGHTLINER	
RDH RD5 9988 0	ABP N83 325196
RDH RD5 9989 0	ABP N83 325195
RDH RD9 9457 0	ABP N83 325167
RDHRD4181	ABP N83 316035
RDHRD4188 0	ABP N83 308069
RHD RD5 6868 0	ABP N83 308011
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SKI4776	ABP N83 304113
SKI4776	ABP N83 304793
SKI4818	ABP N83 304123
SKI4818	ABP N83 304783
SKI4819	ABP N83 304813
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SKI4820	ABP N83 304913
SKI4821	ABP N83 304133
SKI4821	ABP N83 304803
TBB 85660680	ABP N83 315050
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WWS RD-3-8777-0	ABP N83 328212
WWS RD-5-9219-0	ABP N83 325175
WWS RD-5-9253-0	ABP N83 318025

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2521152	ABP N83 304025
2521153	ABP N83 304035
2521161	ABP N83 304443
2521164	ABP N83 304045

ICE	
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2521166	ABP N83 304039
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2521171	ABP N83 304549
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2521195	ABP N83 304629
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ICE	
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2570148	ABP N83 303371
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2570152	ABP N83 303452
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IHC - NAVISTAR	
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2004801C3	ABP N83 306018
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2016403C1	ABP N83 303431
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2167510C91	ABP N83 303532
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238748R91	ABP N83 301033
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IHC - NAVISTAR	
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2591621C91	ABP N83 306337
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2593329C91	ABP N83 306330
2595006-C1	ABP N83 303431
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IHC - NAVISTAR	
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2602732C91	ABP N83 304793Q
2602733C91	ABP N83 304813
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2602744C91	ABP N83 304783
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2602815C91	ABP N83 304543QS
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IHC - NAVISTAR	
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3579878C1	ABP N83 304263
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3628699C1	ABP N83 304319Q
3628699C2	ABP N83 304319Q
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IHC - NAVISTAR	
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442183C1	ABP N83 318094
442183C1	ABP N83 318104
442183C2	ABP N83 318094
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468323C91	ABP N83 304031
468323C92	ABP N83 304031
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IHC - NAVISTAR	
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480869C1	ABP N83 318030
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481800C91	ABP N83 303051
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481805C91	ABP N83 303142
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488831C1	ABP N83 301271
488832C1	ABP N83 301023
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539049R91	ABP N83 319124
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IHC - NAVISTAR	
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683596C91	ABP N83 304081
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783966C93	ABP N83 309111
873878	ABP N83 328222
899996R91	ABP N83 324050
926384C1	ABP N83 319180
938513C1	ABP N83 327346
967109R91	ABP N83 301051
ZGG11135	ABP N83 308081
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QP15-1165	ABP N83 304429Q
QP15-1166	ABP N83 304039Q

QUE	
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RD-1-0325-0P	ABP N83 315075
RD-1-0333-0P	ABP N83 315105
RD-1-0355-0P	ABP N83 315115
RD-1-0355-1P	ABP N83 315120
RD-1-0355-2P	ABP N83 315125

RED DOT	
RD-1-0355-3P	ABP N83 315130
RD-1-0355-4P	ABP N83 315135
RD-1-0355-5P	ABP N83 315085
RD-1-0371-1P	ABP N83 315140
RD-1-0388-0P	ABP N83 315095
RD-1-0422-0P	ABP N83 317056
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RD-1-0434-0P	ABP N83 315150
RD-1-0460-1P	ABP N83 315350
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RD-1-0550-0P	ABP N83 315210
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RD-1-0574-0P	ABP N83 315270
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RD-11-0069-0P	ABP N83 307120
RD-11-0092-2P	ABP N83 325056
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RD-1-1281-0P	ABP N83 315530
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RED DOT	
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RD-1-1919-0P	ABP N83 315575
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RD-1-2006-0P	ABP N83 315555
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RD-1-2557-0P	ABP N83 315615
RD-1-3659-0P	ABP N83 322441
RD-1-3660-0P	ABP N83 322442
RD-1-3661-0P	ABP N83 322443
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RD-2-1121-2P	ABP N83 307145
RD-2-1137-5P	ABP N83 307105
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RD-2-1272-0P	ABP N83 307200
RD-2-1316-0P	ABP N83 307215
RD-2-1364-0P	ABP N83 307175

RED DOT	
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RD-2-1381-0P	ABP N83 307185
RD-2-1402-0P	ABP N83 307110
RD-2-1470-0P	ABP N83 307220
RD-2-1480-1P	ABP N83 307195
RD-2-1485-0P	ABP N83 307255
RD-2-1495-0M	ABP N83 314155
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RD-2-1555-0P	ABP N83 307240
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RD-2-1597-0P	ABP N83 307070
RD-2-1610-0P	ABP N83 307045
RD-2-1616-0P	ABP N83 307050
RD-2-1633-0P	ABP N83 307060
RD-2-1650-0P	ABP N83 307580
RD-2-1655-0P	ABP N83 307095
RD-2-1658-0P	ABP N83 307025
RD-2-1660-0P	ABP N83 307040
RD-2-1664-0P	ABP N83 307270
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RD-2-1755-0P	ABP N83 307035
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RD-2-1767-0P	ABP N83 307265
RD-2-1862-0P	ABP N83 307655
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RD-2-2762-0P	ABP N83 307670
RD-2-2775-1P	ABP N83 307685
RD-2-2780-0P	ABP N83 307585
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RD-2-2885-0P	ABP N83 307645
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RD-2-2928-0P	ABP N83 307470
RD-2-3008-0P	ABP N83 307690
RD-2-3070-0P	ABP N83 307680
RD-2-3251-0P	ABP N83 307620
RD-2-3321-0P	ABP N83 307735
RD-2-3395-0P	ABP N83 307705
RD-2-3398-0P	ABP N83 307695

RED DOT	
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RD-2-3413-0P	ABP N83 307780
RD-2-3629-0P	ABP N83 307605
RD-2-3683-0P	ABP N83 328233
RD-2-3683-1P	ABP N83 328123
RD-2-3765-1P	ABP N83 328259
RD-2-3773-0P	ABP N83 307625
RD-2-3775-1P	ABP N83 314006
RD-2-3828-0P	ABP N83 307555
RD-2-3832-0P	ABP N83 307575
RD-2-3901-0P	ABP N83 308087
RD-2-3923-0P	ABP N83 307600
RD-2-4032-0P	ABP N83 307715
RD-2-4054-0P	ABP N83 307020
RD-2-4074-0P	ABP N83 307740
RD-2-5661-0P	ABP N83 307750
RD-2-6298-0P	ABP N83 307468
RD-2-6299-0P	ABP N83 307487
RD-2-6513-0P	ABP N83 307870
RD-2-7284-0P	ABP N83 307298
RD-2-7298-0P	ABP N83 307297
RD-3-10194-0P	ABP N83 315535
RD-3-10331-0P	ABP N83 328257
RD-3-10538-0P	ABP N83 301362
RD-3-10551-2P	ABP N83 328409
RD-3-10551-3P	ABP N83 328419
RD-3-10591-0P	ABP N83 328201
RD-3106-12-24P	ABP N83 301211
RD-3106-12P	ABP N83 301051
RD-3106-13-24P	ABP N83 301791
RD-3106-13P	ABP N83 301131
RD-3106-18-24P	ABP N83 301221
RD-3106-18P	ABP N83 301191
RD-3106-38P	ABP N83 302241
RD-3106-39P	ABP N83 302021
RD-3-10847-0P	ABP N83 328208
RD-3-10847-1P	ABP N83 328133
RD-3133-9P	ABP N83 309101
RD-3-1359-8P	ABP N83 322965
RD-3-1566-2P	ABP N83 317064
RD-3196-1P	ABP N83 317036
RD-3196-3P	ABP N83 317018
RD-3196-5P	ABP N83 317019
RD-3200-1P	ABP N83 322990
RD-3200-2P	ABP N83 322995
RD-3-2557-2P	ABP N83 302002

RED DOT	
RD-3-2613-0P	ABP N83 311101
RD-3267-1P	ABP N83 318183
RD-3270-3P	ABP N83 307280
RD-3-3050-0P	ABP N83 311111
RD-3312-0P	ABP N83 307665
RD-3-3454-0P	ABP N83 319068
RD-3-3751-1P	ABP N83 322970
RD-3-4804-0P	ABP N83 327371
RD-3-4804-1P	ABP N83 328445
RD-3-4812-2P	ABP N83 317065
RD-3-4829-1P	ABP N83 302202
RD-3-4900-0P	ABP N83 327170
RD-3-4900-24P	ABP N83 327175
RD-3-6038-0M	ABP N83 328355
RD-3-6162-0P	ABP N83 328242
RD-3-6162-1P	ABP N83 328415
RD-3-6407-0P	ABP N83 328221
RD-3-6408-0P	ABP N83 328258
RD-3-6770-0P	ABP N83 301257
RD-3-6770-24P	ABP N83 301268
RD-3-7099-0P	ABP N83 328255
RD-3-7099-1P	ABP N83 328273
RD-3-7331-0P	ABP N83 328202
RD-3-7838-2P	ABP N83 317044
RD-3-7838-3P	ABP N83 317045
RD-3-8416-0P	ABP N83 328261
RD-3-8416-1P	ABP N83 328303
RD-3-8635-0P	ABP N83 324530
RD-3-8657-0P	ABP N83 301771
RD-3-8777-0P	ABP N83 328212
RD-3-8777-1P	ABP N83 328293
RD-3-8989-0P	ABP N83 317550
RD-3-9290-0P	ABP N83 301258
RD-3-9290-24P	ABP N83 301270
RD-3-9805-0P	ABP N83 328365
RD-4123-1P	ABP N83 322185
RD-4123-2P	ABP N83 322055
RD-4124-18P	ABP N83 327351
RD-4124-20P	ABP N83 327352
RD-4124-38P	ABP N83 327346
RD-4124-76P	ABP N83 327347
RD-4125-36P	ABP N83 323118
RD-4125-48P	ABP N83 323108
RD-4125-66P	ABP N83 323098
RD-4126-1P	ABP N83 308015
RD-4130-1P	ABP N83 310061

RED DOT	
RD-4151-1P	ABP N83 322320
RD-4151-2P	ABP N83 322325
RD-4151-4P	ABP N83 322205
RD-4151-6P	ABP N83 322180
RD-4151-7P	ABP N83 322215
RD-4156-108P	ABP N83 313560
RD-4160-1P	ABP N83 319014
RD-4172-0P	ABP N83 323138
RD-4177-0P	ABP N83 310246
RD-4179-0P	ABP N83 310208
RD-4180-120P	ABP N83 327359
RD-4180-24P	ABP N83 327353
RD-4180-29P	ABP N83 327348
RD-4180-36P	ABP N83 327361
RD-4180-46P	ABP N83 327361
RD-4180-57P	ABP N83 327363
RD-4180-76P	ABP N83 327364
RD-4180-79P	ABP N83 327366
RD-4181-0P	ABP N83 316035
RD-4183-0P	ABP N83 301151
RD-4186-0P	ABP N83 326016
RD-4187-0P	ABP N83 310276
RD-4188-0P	ABP N83 308069
RD-4191-0P	ABP N83 318014
RD-4219-0P	ABP N83 310041
RD-4220-0P	ABP N83 319008
RD-4225-1P	ABP N83 322350
RD-4225-2P	ABP N83 322355
RD-4226-0P	ABP N83 323014
RD-4257-0P	ABP N83 324050
RD-4317-6M	ABP N83 311321
RD-4322-1P	ABP N83 311139
RD-4-3364-0P	ABP N83 310240
RD-4-3365-0P	ABP N83 310242
RD-4-3372-3P	ABP N83 306135
RD-4340-0P	ABP N83 317020
RD-4-3434-1P	ABP N83 306000
RD-4-3443-0P	ABP N83 306205
RD-4-3508-0P	ABP N83 309181
RD-4-3586-0P	ABP N83 306410
RD-4-3595-4P	ABP N83 306029
RD-4-3646-0P	ABP N83 306185
RD-4366-0P	ABP N83 310031
RD-4-3682-0P	ABP N83 306055
RD-4-3683-2P	ABP N83 306120
RD-4370-0P	ABP N83 320120

RED DOT	
RD-4-3714-0P	ABP N83 306015
RD-4-3722-0P	ABP N83 306025
RD-4-3723-0P	ABP N83 306030
RD-4-3724-0P	ABP N83 306270
RD-4-3727-2P	ABP N83 306535
RD-4-3745-1P	ABP N83 306540
RD-4-3874-1P	ABP N83 306130
RD-4-3901-1P	ABP N83 306615
RD-4-3916-0P	ABP N83 306240
RD-4-3917-0P	ABP N83 306235
RD-4-3945-0P	ABP N83 306110
RD-4-3990-0P	ABP N83 306500
RD-4-4069-0P	ABP N83 306115
RD-4-4069-1P	ABP N83 306180
RD-4-4130-0P	ABP N83 306175
RD-4-4144-2P	ABP N83 306225
RD-4-4161-0P	ABP N83 306045
RD-4-4181-0P	ABP N83 306145
RD-4-4219-0P	ABP N83 306525
RD-4-4232-0P	ABP N83 325142
RD-4427-24P	ABP N83 323040
RD-4-4276-0P	ABP N83 306520
RD-4-4300-0P	ABP N83 306530
RD-4430-0P	ABP N83 323078
RD-4-4360-0P	ABP N83 306545
RD-4-4377-0P	ABP N83 306010
RD-4-4400-0P	ABP N83 306075
RD-4-4403-1P	ABP N83 306260
RD-4-4414-0P	ABP N83 306035
RD-4-4440-0P	ABP N83 306050
RD-4-4550-0P	ABP N83 306510
RD-4-4550-1P	ABP N83 306515
RD-4-4613-1P	ABP N83 306550
RD-4-4713-0P	ABP N83 306018
RD-4-4724-0P	ABP N83 306012
RD-4-4724-1P	ABP N83 306011
RD-4-4738-0P	ABP N83 306005
RD-4-4931-0P	ABP N83 306400
RD-4-4968-0P	ABP N83 306017
RD-4-4972-0P	ABP N83 306023
RD-4-5045-0P	ABP N83 306405
RD-4-5116-0P	ABP N83 306016
RD-4-5122-0P	ABP N83 306390
RD-4-5146-1P	ABP N83 306300
RD-4-5154-0P	ABP N83 306013
RD-4-5190-4P	ABP N83 306495

RED DOT	
RD-4-5190-5P	ABP N83 306595
RD-4-5226-4P	ABP N83 306605
RD-4-5226-5P	ABP N83 306610
RD-4527-0P	ABP N83 322270
RD-4-5273-0P	ABP N83 306160
RD-4-5361-0P	ABP N83 306008
RD-4-5377-0P	ABP N83 306350
RD-4-5378-0P	ABP N83 306355
RD-4-5379-0P	ABP N83 306365
RD-4-5418-0P	ABP N83 306360
RD-4-5462-0P	ABP N83 306305
RD-4-5503-0P	ABP N83 306370
RD-4-5655-0P	ABP N83 306026
RD-4-5658-0P	ABP N83 306420
RD-4-5680-0P	ABP N83 306800
RD-4-5681-0P	ABP N83 306805
RD-4-5682-0P	ABP N83 306810
RD-4-5683-0P	ABP N83 306815
RD-4-5684-0P	ABP N83 306820
RD-4-5685-0P	ABP N83 306825
RD-4-5686-0P	ABP N83 306830
RD-4-5687-0P	ABP N83 306835
RD-4-5688-0P	ABP N83 306840
RD-4-5689-0P	ABP N83 306845
RD-4-5692-0P	ABP N83 306860
RD-4-5693-0P	ABP N83 306865
RD-4-5694-0P	ABP N83 306870
RD-4-5695-0P	ABP N83 306875
RD-4-5696-0P	ABP N83 306880
RD-4-5709-0P	ABP N83 306003
RD-4-5722-0P	ABP N83 306006
RD-4-5743-0P	ABP N83 306028
RD-4-5760-0P	ABP N83 306009
RD-4-5762-0P	ABP N83 306885
RD-4-5763-0P	ABP N83 306890
RD-4-5764-0P	ABP N83 306920
RD-4-5765-0P	ABP N83 306895
RD-4-5766-0P	ABP N83 306900
RD-4-5767-0P	ABP N83 306905
RD-4-5769-0P	ABP N83 306910
RD-4-5770-0P	ABP N83 306915
RD-4-5809-0P	ABP N83 306560
RD-4-5811-0P	ABP N83 306555
RD-4-5812-0P	ABP N83 306570
RD-4-5903-0P	ABP N83 306024
RD-4-6091-0P	ABP N83 306007

RED DOT	
RD-4-6343-0P	ABP N83 306022
RD-4-6414-0P	ABP N83 306902
RD-4-6415-0P	ABP N83 306907
RD-4-6432-0P	ABP N83 306027
RD-4-6527-0P	ABP N83 306031
RD-4-6560-0P	ABP N83 306620
RD-4-6811-0P	ABP N83 306425
RD-4-6812-0P	ABP N83 306042
RD-4-7017-0P	ABP N83 306321
RD-4-7018-0P	ABP N83 306041
RD-4-7020-0P	ABP N83 306322
RD-4-7040-0P	ABP N83 306043
RD-4-7081-0P	ABP N83 306380
RD-4-7131-0P	ABP N83 306032
RD-4-7277-0P	ABP N83 306335
RD-4-7278-0P	ABP N83 306325
RD-4-7279-0P	ABP N83 306327
RD-4-7280-0P	ABP N83 306328
RD-4-7281-0P	ABP N83 306329
RD-4-7282-0P	ABP N83 306330
RD-4-7283-0P	ABP N83 306331
RD-4-7284-0P	ABP N83 306333
RD-4-7292-0P	ABP N83 306565
RD-4-7306-0P	ABP N83 306033
RD-4-7351-0P	ABP N83 306323
RD-4-7352-0P	ABP N83 306324
RD-4-7353-0P	ABP N83 306332
RD-4-7358-0P	ABP N83 306334
RD-4-7360-0P	ABP N83 306336
RD-4-7361-0P	ABP N83 306337
RD-4-7385-0P	ABP N83 306305
RD-5-0060-0P	ABP N83 322390
RD-5-0060-24P	ABP N83 322385
RD-5-0071-0P	ABP N83 322340
RD-5-10008-0P	ABP N83 318042
RD-5-10009-0P	ABP N83 318808
RD-5-10011-0P	ABP N83 308027
RD-5-10012-0P	ABP N83 308037
RD-5-10013-1P	ABP N83 308047
RD-5-10014-0P	ABP N83 308057
RD-5-10029-0P	ABP N83 304071
RD-5-10030-0P	ABP N83 317049
RD-5-10031-0P	ABP N83 317052
RD-5-10041-0P	ABP N83 328238
RD-5-10041-1P	ABP N83 328405
RD-5-10051-0P	ABP N83 301255

RED DOT	
RD-5-10052-0P	ABP N83 301265
RD-5-10053-0P	ABP N83 301275
RD-5-10054-0P	ABP N83 301372
RD-5-10055-0P	ABP N83 324620
RD-5-10056-0P	ABP N83 322003
RD-5-10068-0P	ABP N83 301322
RD-5-10069-1P	ABP N83 301877
RD-5-10070-1P	ABP N83 301881
RD-5-10071-0P	ABP N83 301901
RD-5-10072-1P	ABP N83 301911
RD-5-10073-0P	ABP N83 301332
RD-5-10074-0P	ABP N83 328213
RD-5-10074-1P	ABP N83 328264
RD-5-10075-0P	ABP N83 328214
RD-5-10075-1P	ABP N83 328475
RD-5-10076-0P	ABP N83 328223
RD-5-10076-1P	ABP N83 328343
RD-5-10077-0P	ABP N83 328194
RD-5-10077-1P	ABP N83 328125
RD-5-10078-0P	ABP N83 328195
RD-5-10078-1P	ABP N83 328473
RD-5-10079-0P	ABP N83 328204
RD-5-10079-1P	ABP N83 328483
RD-5-10080-0P	ABP N83 328215
RD-5-10080-1P	ABP N83 328443
RD-5-10081-0P	ABP N83 328205
RD-5-10081-1P	ABP N83 328455
RD-5-10082-0P	ABP N83 328203
RD-5-10082-1P	ABP N83 328485
RD-5-10083-0P	ABP N83 309006
RD-5-10085-0M	ABP N83 312336
RD-5-10096-0P	ABP N83 318240
RD-5-10097-0P	ABP N83 318250
RD-5-10154-0P	ABP N83 320340
RD-5-10156-0P	ABP N83 323074
RD-5-10166-0P	ABP N83 318118
RD-5-10167-0P	ABP N83 318108
RD-5-10179-0P	ABP N83 308375
RD-5-10188-0P	ABP N83 322023
RD-5-10192-0P	ABPN83 322063
RD-5-10196-0P	ABP N83 322113
RD-5-10198-0M	ABP N83 312092
RD-5-10199-0M	ABP N83 312060
RD-5-10200-0M	ABP N83 312076
RD-5-10201-0P	ABP N83 319119
RD-5-10202-0P	ABP N83 319129

RED DOT	
RD-5-10206-0P	ABP N83 326025
RD-5-10207-0P	ABP N83 326045
RD-5-10209-0P	ABP N83 327105
RD-5-10211-0P	ABP N83 317570
RD-5-10214-0P	ABP N83 301364
RD-5-10223-0P	ABP N83 324610
RD-5-10232-0P	ABP N83 303417
RD-5-10236-0P	ABP N83 317580
RD-5-10249-0P	ABP N83 328247
RD-5-10255-2P	ABP N83 301034
RD-5-10258-0P	ABP N83 324545
RD-5-10259-0P	ABP N83 304992
RD-5-10260-0P	ABP N83 304353
RD-5-10261-0P	ABP N83 304043
RD-5-10262-0P	ABP N83 304063
RD-5-10263-0P	ABP N83 304073
RD-5-10264-0P	ABP N83 304083
RD-5-10265-0P	ABP N83 304093
RD-5-10266-0P	ABP N83 304103
RD-5-10267-0P	ABP N83 304113
RD-5-10268-0P	ABP N83 304123
RD-5-10268-1P	ABP N83 304003Q
RD-5-10269-0P	ABP N83 304133
RD-5-10269-1P	ABP N83 304133Q
RD-5-10273-0P	ABP N83 304163
RD-5-10273-1P	ABP N83 304163Q
RD-5-10274-0P	ABP N83 304173
RD-5-10275-0P	ABP N83 304183
RD-5-10276-0P	ABP N83 304193
RD-5-10277-0P	ABP N83 304203
RD-5-10278-0P	ABP N83 304213
RD-5-10278-1P	ABP N83 304213Q
RD-5-10281-0P	ABP N83 304243
RD-5-10282-0P	ABP N83 304253
RD-5-10283-0P	ABP N83 304652
RD-5-10284-0P	ABP N83 304672
RD-5-10285-0P	ABP N83 304263
RD-5-10286-0P	ABP N83 304273
RD-5-10287-0P	ABP N83 304283
RD-5-10288-0P	ABP N83 304682
RD-5-10290-0P	ABP N83 304293
RD-5-10291-0P	ABP N83 304303
RD-5-10292-0P	ABP N83 304313
RD-5-10293-0P	ABP N83 304972
RD-5-10294-0P	ABP N83 304323
RD-5-10295-0P	ABP N83 304333

RED DOT	
RD-5-10296-0P	ABP N83 304343
RD-5-10297-0P	ABP N83 304363
RD-5-10297-1P	ABP N83 304363Q
RD-5-10298-0P	ABP N83 307615
RD-5-10301-0P	ABP N83 303442
RD-5-10302-0P	ABP N83 303057
RD-5-10303-0P	ABP N83 304053
RD-5-10306-0P	ABP N83 308281
RD-5-10307-0P	ABP N83 304622
RD-5-10308-0P	ABP N83 304662
RD-5-10309-0P	ABP N83 304632
RD-5-10310-0P	ABP N83 304642
RD-5-10311-0P	ABP N83 304147
RD-5-10312-0P	ABP N83 304037
RD-5-10314-0P	ABP N83 304167
RD-5-10315-0P	ABP N83 304177
RD-5-10316-0P	ABP N83 304017
RD-5-10319-0P	ABP N83 304409
RD-5-10319-1P	ABP N83 304409Q
RD-5-10321-0P	ABP N83 304419
RD-5-10321-1P	ABP N83 304419Q
RD-5-10322-0P	ABP N83 304429
RD-5-10322-1P	ABP N83 304429Q
RD-5-10323-0P	ABP N83 304439
RD-5-10323-1P	ABP N83 304439Q
RD-5-10324-0P	ABP N83 304449
RD-5-10324-1P	ABP N83 304449Q
RD-5-10325-0P	ABP N83 304459
RD-5-10325-1P	ABP N83 304459Q
RD-5-10326-0P	ABP N83 304469
RD-5-10326-1P	ABP N83 304469Q
RD-5-10327-0P	ABP N83 304479
RD-5-10327-1P	ABP N83 304479Q
RD-5-10328-0P	ABP N83 304489
RD-5-10328-1P	ABP N83 304489Q
RD-5-10329-0P	ABP N83 304499
RD-5-10329-1P	ABP N83 304499Q
RD-5-10333-0P	ABP N83 308301
RD-5-10334-0P	ABP N83 308291
RD-5-10335-0P	ABP N83 323110
RD-5-10336-0P	ABP N83 301003
RD-5-10337-0P	ABP N83 301004
RD-5-10338-0M	ABP N83 312206
RD-5-10339-0M	ABP N83 312208
RD-5-10341-0P	ABP N83 321300
RD-5-10342-0P	ABP N83 321320

RED DOT	
RD-5-10343-0P	ABP N83 308300
RD-5-10344-0P	ABP N83 324550
RD-5-10345-0P	ABP N83 324145
RD-5-10346-0P	ABP N83 302222
RD-5-10348-0P	ABP N83 319012
RD-5-10349-0P	ABP N83 318917
RD-5-10351-0P	ABP N83 318048
RD-5-10352-0P	ABP N83 318638
RD-5-10355-0P	ABP N83 303541
RD-5-10357-0P	ABP N83 303717
RD-5-10358-0P	ABP N83 303727
RD-5-10359-0P	ABP N83 303737
RD-5-10360-0P	ABP N83 303421
RD-5-10361-0P	ABP N83 303157
RD-5-10362-0P	ABP N83 303352
RD-5-10363-0P	ABP N83 303167
RD-5-10364-0P	ABP N83 303287
RD-5-10365-0P	ABP N83 303177
RD-5-10366-0P	ABP N83 303187
RD-5-10367-0P	ABP N83 303532
RD-5-10368-0P	ABP N83 303402
RD-5-10369-0P	ABP N83 303422
RD-5-10370-0P	ABP N83 303432
RD-5-10371-0P	ABP N83 304027
RD-5-10372-0P	ABP N83 304007
RD-5-10373-0P	ABP N83 304057
RD-5-10378-0P	ABP N83 301237
RD-5-10379-0P	ABP N83 301921
RD-5-10380-0P	ABP N83 301105
RD-5-10381-0P	ABP N83 301165
RD-5-10382-0P	ABP N83 301175
RD-5-10383-0P	ABP N83 301115
RD-5-10384-0P	ABP N83 301247
RD-5-10385-0P	ABP N83 301145
RD-5-10386-0P	ABP N83 301125
RD-5-10387-0P	ABP N83 301135
RD-5-10388-0P	ABP N83 301155
RD-5-10389-0P	ABP N83 301961
RD-5-10390-0P	ABP N83 301033
RD-5-10391-0P	ABP N83 301931
RD-5-10392-0P	ABP N83 301023
RD-5-10393-0P	ABP N83 301891
RD-5-10394-0P	ABP N83 301941
RD-5-10395-0P	ABP N83 301971
RD-5-10396-0P	ABP N83 303441
RD-5-10397-0P	ABP N83 303431

RED DOT	
RD-5-10398-0P	ABP N83 303257
RD-5-10399-0P	ABP N83 303207
RD-5-10400-0P	ABP N83 303372
RD-5-10401-0P	ABP N83 303707
RD-5-10415-0P	ABP N83 328228
RD-5-10415-1P	ABP N83 328363
RD-5-10416-0P	ABP N83 328218
RD-5-10416-1P	ABP N83 328323
RD-5-10418-0P	ABP N83 317560
RD-5-10426-0P	ABP N83 304509
RD-5-10426-1P	ABP N83 304509Q
RD-5-10427-0P	ABP N83 304799
RD-5-10428-0P	ABP N83 304529
RD-5-10428-1P	ABP N83 304529Q
RD-5-10429-0P	ABP N83 304539
RD-5-10429-1P	ABP N83 304539Q
RD-5-10431-0P	ABP N83 304549
RD-5-10431-1P	ABP N83 304549Q
RD-5-10434-0P	ABP N83 319574
RD-5-10434-1P	ABP N83 319575
RD-5-10435-0P	ABP N83 302261
RD-5-10436-0P	ABP N83 308109
RD-5-10437-0P	ABP N83 322022
RD-5-10438-0P	ABP N83 322032
RD-5-10439-0P	ABP N83 322042
RD-5-10440-0P	ABP N83 322052
RD-5-10441-0P	ABP N83 321310
RD-5-10442-0P	ABP N83 318214
RD-5-10443-0P	ABP N83 318224
RD-5-10444-0P	ABP N83 318234
RD-5-10445-0P	ABP N83 308115
RD-5-10447-0P	ABP N83 308261
RD-5-10449-0P	ABP N83 318608
RD-5-10450-0P	ABP N83 319940
RD-5-10451-0P	ABP N83 319079
RD-5-10452-0P	ABP N83 319089
RD-5-10453-0P	ABP N83 319099
RD-5-10454-0P	ABP N83 319109
RD-5-10455-0P	ABP N83 319139
RD-5-10456-0P	ABP N83 319149
RD-5-10457-0P	ABP N83 319319
RD-5-10458-0P	ABP N83 319950
RD-5-10459-0P	ABP N83 319169
RD-5-10460-0P	ABP N83 319179
RD-5-10461-0P	ABP N83 319189
RD-5-10462-0P	ABP N83 319199

RED DOT	
RD-5-10463-0P	ABP N83 319209
RD-5-10464-0P	ABP N83 319219
RD-5-10465-0P	ABP N83 319229
RD-5-10466-0P	ABP N83 319239
RD-5-10467-0P	ABP N83 319249
RD-5-10468-0P	ABP N83 318968
RD-5-10470-0P	ABP N83 318138
RD-5-10471-0P	ABP N83 318937
RD-5-10473-0P	ABP N83 318958
RD-5-10478-0P	ABP N83 317120
RD-5-10479-0P	ABP N83 327910
RD-5-10480-0P	ABP N83 326100
RD-5-10481-0P	ABP N83 326110
RD-5-10482-0P	ABP N83 327920
RD-5-10483-0P	ABP N83 327965
RD-5-10484-0P	ABP N83 327940
RD-5-10485-0P	ABP N83 327930
RD-5-10486-0P	ABP N83 327950
RD-5-10487-0P	ABP N83 327960
RD-5-10489-0P	ABP N83 301018
RD-5-10490-0P	ABP N83 309015
RD-5-10490-4P	ABP N83 309014
RD-5-10491-0P	ABP N83 301083
RD-5-10491-24P	ABP N83 301030
RD-5-10492-0P	ABP N83 304639
RD-5-10492-1P	ABP N83 304639Q
RD-5-10493-0P	ABP N83 304413
RD-5-10494-0P	ABP N83 304649
RD-5-10494-1P	ABP N83 304649Q
RD-5-10495-0P	ABP N83 304659
RD-5-10496-0P	ABP N83 304669
RD-5-10496-1P	ABP N83 304669Q
RD-5-10497-0P	ABP N83 304299
RD-5-10497-1P	ABP N83 304299Q
RD-5-10498-0P	ABP N83 310506
RD-5-10499-0P	ABP N83 310508
RD-5-10500-0P	ABP N83 310501
RD-5-10504-0P	ABP N83 313446
RD-5-10504-600P	ABP N83 313406
RD-5-10505-0P	ABP N83 313448
RD-5-10505-600P	ABP N83 313408
RD-5-10506-0P	ABP N83 313441
RD-5-10506-600P	ABP N83 313401
RD-5-10507-0P	ABP N83 313442
RD-5-10507-600P	ABP N83 313402
RD-5-10508-1P	ABP N83 310766C

RED DOT	
RD-5-10509-1P	ABP N83 310776C
RD-5-10510-1P	ABP N83 310768C
RD-5-10511-1P	ABP N83 310778C
RD-5-10512-1P	ABP N83 310771C
RD-5-10513-1P	ABP N83 310781C
RD-5-10515-1P	ABP N83 310762C
RD-5-10516-1P	ABP N83 310786C
RD-5-10517-1P	ABP N83 310788C
RD-5-10518-1P	ABP N83 310791C
RD-5-10519-1P	ABP N83 310772C
RD-5-10520-1P	ABP N83 310796C
RD-5-10521-1P	ABP N83 310806C
RD-5-10522-1P	ABP N83 310798C
RD-5-10523-1P	ABP N83 310808C
RD-5-10524-1P	ABP N83 310801C
RD-5-10525-1P	ABP N83 310811C
RD-5-10526-0P	ABP N83 303747
RD-5-10527-1P	ABP N83 310782C
RD-5-10528-1P	ABP N83 310700C
RD-5-10529-1P	ABP N83 310701C
RD-5-10530-1P	ABP N83 310702C
RD-5-10531-1P	ABP N83 310726C
RD-5-10532-1P	ABP N83 310736C
RD-5-10533-1P	ABP N83 310728C
RD-5-10534-1P	ABP N83 310741C
RD-5-10535-1P	ABP N83 310751C
RD-5-10536-1P	ABP N83 310732C
RD-5-10537-1P	ABP N83 310826C
RD-5-10538-1P	ABP N83 310816C
RD-5-10539-1P	ABP N83 310818C
RD-5-10540-1P	ABP N83 310828C
RD-5-10541-1P	ABP N83 310821C
RD-5-10542-1P	ABP N83 310792C
RD-5-10543-1P	ABP N83 310831C
RD-5-10544-0P	ABP N83 303367
RD-5-10545-0P	ABP N83 303377
RD-5-10546-0P	ABP N83 308125
RD-5-10547-1P	ABP N83 311926C
RD-5-10548-1P	ABP N83 311907C
RD-5-10549-1P	ABP N83 311931C
RD-5-10550-1P	ABP N83 311952C
RD-5-10554-1P	ABP N83 311988C
RD-5-10555-1P	ABP N83 311976C
RD-5-10556-1P	ABP N83 311971C
RD-5-10557-1P	ABP N83 310346C
RD-5-10558-1P	ABP N83 310348C

RED DOT	
RD-5-10559-1P	ABP N83 310340C
RD-5-10560-1P	ABP N83 311946C
RD-5-10561-1P	ABP N83 311948C
RD-5-10562-1P	ABP N83 311941C
RD-5-10563-1P	ABP N83 310360C
RD-5-10564-1P	ABP N83 311951C
RD-5-10565-1P	ABP N83 310300C
RD-5-10566-1P	ABP N83 311958C
RD-5-10567-1P	ABP N83 310356C
RD-5-10568-1P	ABP N83 310358C
RD-5-10569-1P	ABP N83 310350C
RD-5-10570-1P	ABP N83 311936C
RD-5-10571-1P	ABP N83 311938C
RD-5-10572-1P	ABP N83 311220C
RD-5-10573-1P	ABP N83 311932C
RD-5-10574-1P	ABP N83 310310C
RD-5-10575-1P	ABP N83 311978C
RD-5-10576-1P	ABP N83 311998C
RD-5-10577-1P	ABP N83 310320C
RD-5-10578-1P	ABP N83 311966C
RD-5-10579-1P	ABP N83 311968C
RD-5-10580-1P	ABP N83 311961C
RD-5-10582-0P	ABP N83 319684
RD-5-10583-0P	ABP N83 319694
RD-5-10584-0P	ABP N83 319714
RD-5-10585-0P	ABP N83 319724
RD-5-10586-0P	ABP N83 319734
RD-5-10587-0P	ABP N83 322800
RD-5-10588-0P	ABP N83 327376
RD-5-10589-0P	ABP N83 319744
RD-5-10589-1P	ABP N83 319745
RD-5-10590-0P	ABP N83 322435
RD-5-10591-0P	ABP N83 319304
RD-5-10591-1P	ABP N83 319305
RD-5-10592-0P	ABP N83 318238
RD-5-10593-0P	ABP N83 328135
RD-5-10687-0P	ABP N83 328253
RD-5-10690-1P	ABP N83 310756C
RD-5-10691-1P	ABP N83 310758C
RD-5-10692-0P	ABP N83 310761
RD-5-10692-1P	ABP N83 310761
RD-5-10693-1P	ABP N83 310742C
RD-5-10694-1P	ABP N83 310690C
RD-5-10695-1P	ABP N83 310692C
RD-5-10696-1P	ABP N83 310694C
RD-5-10697-1P	ABP N83 310696C

RED DOT	
RD-5-10698-1P	ABP N83 310698C
RD-5-10699-1P	ABP N83 310706C
RD-5-10700-1P	ABP N83 310708C
RD-5-10701-1P	ABP N83 310711C
RD-5-10702-1P	ABP N83 310712C
RD-5-10703-1P	ABP N83 310752C
RD-5-10704-1P	ABP N83 310721C
RD-5-10705-1P	ABP N83 310722C
RD-5-10706-1P	ABP N83 310716C
RD-5-10707-1P	ABP N83 310718C
RD-5-10708-1P	ABP N83 310731C
RD-5-10709-0M	ABP N83 310966
RD-5-10710-0M	ABP N83 310968
RD-5-10711-0M	ABP N83 310961
RD-5-10712-0M	ABP N83 310962
RD-5-10713-0M	ABP N83 310976
RD-5-10714-0M	ABP N83 310978
RD-5-10715-0M	ABP N83 310971
RD-5-10716-0M	ABP N83 310972
RD-5-10717-0P	ABP N83 327981
RD-5-10718-0P	ABP N83 327980
RD-5-10719-1P	ABP N83 310746C
RD-5-10720-1P	ABP N83 310748C
RD-5-10721-1P	ABP N83 310738C
RD-5-10722-0P	ABP N83 303452
RD-5-10723-0P	ABP N83 303462
RD-5-10724-0P	ABP N83 303472
RD-5-10725-0P	ABP N83 304404
RD-5-10727-0P	ABP N83 303357
RD-5-10728-0P	ABP N83 304629
RD-5-10728-1P	ABP N83 304629Q
RD-5-10729-0P	ABP N83 319654
RD-5-10729-1P	ABP N83 319055
RD-5-10734-0P	ABP N83 308331
RD-5-10735-0P	ABP N83 319254
RD-5-10735-1P	ABP N83 319255
RD-5-10736-0P	ABP N83 323120
RD-5-10737-0P	ABP N83 304503
RD-5-10738-0P	ABP N83 304403
RD-5-10739-0P	ABP N83 327982
RD-5-10740-0P	ABP N83 327983
RD-5-10741-0P	ABP N83 319644
RD-5-10742-0P	ABP N83 319660
RD-5-10743-0P	ABP N83 319258
RD-5-10744-0P	ABP N83 319680
RD-5-10744-1P	ABP N83 319681

RED DOT	
RD-5-10745-0P	ABP N83 328225
RD-5-10745-1P	ABP N83 328333
RD-5-10746-0P	ABP N83 301011
RD-5-10751-0P	ABP N83 314605
RD-5-10752-0P	ABP N83 314610
RD-5-10753-0P	ABP N83 302291
RD-5-10757-0P	ABP N83 308077
RD-5-10758-0P	ABP N83 303581
RD-5-10759-0P	ABP N83 303482
RD-5-10760-0P	ABP N83 303387
RD-5-10761-0P	ABP N83 303492
RD-5-10762-0P	ABP N83 303397
RD-5-10763-0P	ABP N83 318728
RD-5-10765-0P	ABP N83 318758
RD-5-10766-0P	ABP N83 318768
RD-5-10767-0P	ABP N83 318788
RD-5-10768-0P	ABP N83 318798
RD-5-10769-0P	ABP N83 318818
RD-5-10771-0P	ABP N83 318618
RD-5-10772-0P	ABP N83 318628
RD-5-10773-0P	ABP N83 328285
RD-5-10773-1P	ABP N83 328505
RD-5-10774-0P	ABP N83 328265
RD-5-10775-0P	ABP N83 328295
RD-5-10776-0P	ABP N83 328275
RD-5-10777-0P	ABP N83 319690
RD-5-10778-0P	ABP N83 318828
RD-5-10779-0P	ABP N83 318848
RD-5-10780-0P	ABP N83 318927
RD-5-10781-0P	ABP N83 318948
RD-5-10782-0P	ABP N83 318957
RD-5-10783-0P	ABP N83 318858
RD-5-10784-0P	ABP N83 318868
RD-5-10786-0P	ABP N83 318878
RD-5-10787-0P	ABP N83 318888
RD-5-10788-0P	ABP N83 318967
RD-5-10789-0P	ABP N83 318898
RD-5-10790-0P	ABP N83 318977
RD-5-10795-0P	ABP N83 328232
RD-5-10795-1P	ABP N83 328393
RD-5-10850-0P	ABP N83 318987
RD-5-10851-0P	ABP N83 318997
RD-5-10852-0P	ABP N83 318908
RD-5-10853-0P	ABP N83 318918
RD-5-10854-0P	ABP N83 318928
RD-5-10855-0P	ABP N83 318648

RED DOT	
RD-5-10858-0P	ABP N83 318708
RD-5-10859-0P	ABP N83 318678
RD-5-10860-0P	ABP N83 318606
RD-5-10861-0P	ABP N83 318610
RD-5-10867-0P	ABP N83 301028
RD-5-10880-0P	ABP N83 305455
RD-5-10881-0P	ABP N83 305465
RD-5-10882-0P	ABP N83 305475
RD-5-10883-0P	ABP N83 305485
RD-5-10884-0P	ABP N83 305495
RD-5-10885-0P	ABP N83 304004
RD-5-10886-0P	ABP N83 304442
RD-5-10887-0P	ABP N83 304134
RD-5-10888-0P	ABP N83 304582
RD-5-10889-0P	ABP N83 304144
RD-5-10890-0P	ABP N83 304014
RD-5-10891-0P	ABP N83 304154
RD-5-10892-0P	ABP N83 304024
RD-5-10893-0P	ABP N83 304034
RD-5-10894-0P	ABP N83 304164
RD-5-10895-0P	ABP N83 304044
RD-5-10896-0P	ABP N83 304174
RD-5-10897-0P	ABP N83 304054
RD-5-10898-0P	ABP N83 304184
RD-5-10899-0P	ABP N83 304064
RD-5-10900-0P	ABP N83 304074
RD-5-10901-0P	ABP N83 318228
RD-5-10902-0P	ABP N83 308361
RD-5-10903-0P	ABP N83 308231
RD-5-10905-0P	ABP N83 301101
RD-5-10927-0P	ABP N83 319269
RD-5-10933-1P	ABP N83 301967
RD-5-10934-0P	ABP N83 322152
RD-5-10935-0P	ABP N83 302172
RD-5-10935-2P	ABP N83 302182
RD-5-10939-0P	ABP N83 319674
RD-5-10940-0P	ABP N83 319664
RD-5-10941-0P	ABP N83 319624
RD-5-10942-0M	ABP N83 312326
RD-5-10943-0M	ABP N83 312332
RD-5-10944-0P	ABP N83 319614
RD-5-11000-0P	ABP N83 318278
RD-5-11001-0P	ABP N83 318188
RD-5-11002-0P	ABP N83 304304
RD-5-11003-0P	ABP N83 304194
RD-5-11004-0P	ABP N83 304204

RED DOT	
RD-5-11005-0P	ABP N83 304084
RD-5-11006-0P	ABP N83 304094
RD-5-11008-0P	ABP N83 304214
RD-5-11009-0P	ABP N83 304104
RD-5-11010-0P	ABP N83 304114
RD-5-11011-0P	ABP N83 304224
RD-5-11012-0P	ABP N83 304234
RD-5-11013-0P	ABP N83 304244
RD-5-11015-0M	ABP N83 312346
RD-5-11016-0M	ABP N83 312348
RD-5-11017-0M	ABP N83 312340
RD-5-11018-0M	ABP N83 312342
RD-5-11020-0P	ABP N83 318248
RD-5-11021-0P	ABP N83 318612
RD-5-11022-0P	ABP N83 327966
RD-5-11023-0P	ABP N83 327971
RD-5-11024-0P	ABP N83 327571
RD-5-11025-0P	ABP N83 303712
RD-5-11026-0P	ABP N83 318068
RD-5-11027-0P	ABP N83 318249
RD-5-11028-0P	ABP N83 319288
RD-5-11028-1P	ABP N83 319287
RD-5-11029-0P	ABP N83 323238
RD-5-11030-0P	ABP N83 301256
RD-5-11031-0P	ABP N83 323228
RD-5-11033-0P	ABP N83 308135
RD-5-11043-0P	ABP N83 327280
RD-5-11047-0P	ABP N83 305033
RD-5-11048-0P	ABP N83 304107
RD-5-11049-0P	ABP N83 304155
RD-5-11050-0P	ABP N83 304189
RD-5-11080-0P	ABP N83 327415
RD-5-11081-0P	ABP N83 327435
RD-5-11082-0P	ABP N83 327430
RD-5-11083-0P	ABP N83 327765
RD-5-11084-0P	ABP N83 327400
RD-5-11085-0P	ABP N83 327560
RD-5-11086-0P	ABP N83 327480
RD-5-11088-0P	ABP N83 327481
RD-5-11090-0P	ABP N83 327482
RD-5-11091-0P	ABP N83 327483
RD-5-11092-0P	ABP N83 327485
RD-5-11093-0P	ABP N83 327484
RD-5-11094-0P	ABP N83 327486
RD-5-11095-0P	ABP N83 327487
RD-5-11096-0P	ABP N83 327488

RED DOT	
RD-5-11097-0P	ABP N83 327489
RD-5-11098-0P	ABP N83 327490
RD-5-11099-0P	ABP N83 327491
RD-5-11100-0P	ABP N83 327420
RD-5-11101-0P	ABP N83 327421
RD-5-11102-0P	ABP N83 327586
RD-5-11103-0P	ABP N83 327587
RD-5-11104-0P	ABP N83 327555
RD-5-11105-0P	ABP N83 327604
RD-5-11106-0P	ABP N83 327615
RD-5-11107-0P	ABP N83 327590
RD-5-11108-0P	ABP N83 327595
RD-5-11109-0P	ABP N83 327565
RD-5-11110-0P	ABP N83 327575
RD-5-11111-0P	ABP N83 327625
RD-5-11112-0P	ABP N83 327630
RD-5-11113-0P	ABP N83 327070
RD-5-11114-0P	ABP N83 327655
RD-5-11115-0P	ABP N83 327495
RD-5-11116-0P	ABP N83 327496
RD-5-11117-0P	ABP N83 327425
RD-5-11118-0P	ABP N83 327308
RD-5-11119-0P	ABP N83 327309
RD-5-11120-0P	ABP N83 327750
RD-5-11121-0P	ABP N83 327755
RD-5-11122-0P	ABP N83 327760
RD-5-11123-0P	ABP N83 328614
RD-5-11125-0P	ABP N83 327497
RD-5-11135-0P	ABP N83 327465
RD-5-11138-0P	ABP N83 328606
RD-5-11139-0P	ABP N83 327306
RD-5-11140-0P	ABP N83 327307
RD-5-11141-0P	ABP N83 327492
RD-5-11142-0P	ABP N83 327493
RD-5-11143-0P	ABP N83 328610
RD-5-11145-0P	ABP N83 327460
RD-5-11146-0P	ABP N83 327461
RD-5-11148-0P	ABP N83 328612
RD-5-11149-0P	ABP N83 304179
RD-5-11151-0P	ABP N83 305031
RD-5-11152-0P	ABP N83 305032
RD-5-11153-0P	ABP N83 327450
RD-5-11154-0P	ABP N83 327440
RD-5-11159-0P	ABP N83 304274
RD-5-11160-0P	ABP N83 304284
RD-5-11161-0P	ABP N83 304264

RED DOT	
RD-5-11162-0P	ABP N83 305990
RD-5-11163-0P	ABP N83 305992
RD-5-11164-0P	ABP N83 305993
RD-5-11165-0P	ABP N83 305994
RD-5-11166-0P	ABP N83 327895
RD-5-11169-0P	ABP N83 318099
RD-5-11183-0P	ABP N83 319250
RD-5-11184-0P	ABP N83 319027
RD-5-11185-0P	ABP N83 319047
RD-5-11186-0P	ABP N83 319315
RD-5-11188-0P	ABP N83 319615
RD-5-11189-0P	ABP N83 319625
RD-5-11190-0P	ABP N83 319665
RD-5-11191-0P	ABP N83 319675
RD-5-11192-0P	ABP N83 319685
RD-5-11193-0P	ABP N83 319695
RD-5-11194-0P	ABP N83 319715
RD-5-11195-0P	ABP N83 319725
RD-5-11196-0P	ABP N83 319735
RD-5-11200-0P	ABP N83 325240
RD-5-11217-0P	ABP N83 304101
RD-5-11218-0P	ABP N83 304141
RD-5-11219-0P	ABP N83 304201
RD-5-11220-0P	ABP N83 304334
RD-5-11223-0M	ABP N83 310980
RD-5-11224-0P	ABP N83 328345
RD-5-11224-1P	ABP N83 328165
RD-5-11225-0P	ABP N83 327157
RD-5-11226-0P	ABP N83 327616
RD-5-11227-0P	ABP N83 327626
RD-5-11228-0P	ABP N83 327628
RD-5-11229-0P	ABP N83 327621
RD-5-11230-0P	ABP N83 327631
RD-5-11231-0P	ABP N83 327632
RD-5-11232-0P	ABP N83 327177
RD-5-11233-0P	ABP N83 304824
RD-5-11234-0P	ABP N83 304374
RD-5-11235-0P	ABP N83 304504
RD-5-11236-0P	ABP N83 304544
RD-5-11237-0P	ABP N83 304434
RD-5-11238-0P	ABP N83 304444
RD-5-11239-0P	ABP N83 304454
RD-5-11240-0P	ABP N83 304714
RD-5-11241-0P	ABP N83 304474
RD-5-11242-0P	ABP N83 304464
RD-5-11243-0P	ABP N83 304803

RED DOT	
RD-5-11244-0P	ABP N83 304813
RD-5-11245-0P	ABP N83 304773
RD-5-11246-0P	ABP N83 327985
RD-5-11247-0P	ABP N83 304823
RD-5-11248-0P	ABP N83 304721
RD-5-11249-0P	ABP N83 304793
RD-5-11249-1P	ABP N83 304793Q
RD-5-11250-0P	ABP N83 304314
RD-5-11250-1P	ABP N83 304314Q
RD-5-11251-0P	ABP N83 304783
RD-5-11251-1P	ABP N83 304783Q
RD-5-11252-0P	ABP N83 304484
RD-5-11253-0P	ABP N83 304354
RD-5-11254-0P	ABP N83 304893
RD-5-11254-1P	ABP N83 304893Q
RD-5-11255-0P	ABP N83 327426
RD-5-11256-0P	ABP N83 304634
RD-5-11256-1P	ABP N83 304634Q
RD-5-11257-0P	ABP N83 304624
RD-5-11257-1P	ABP N83 304624Q
RD-5-11258-0P	ABP N83 304833
RD-5-11259-0P	ABP N83 304753
RD-5-11260-0P	ABP N83 304514
RD-5-11266-0P	ABP N83 319056
RD-5-11310-0P	ABP N83 304364
RD-5-11311-0P	ABP N83 304724
RD-5-11313-0P	ABP N83 304953
RD-5-11314-0P	ABP N83 327427
RD-5-11315-0P	ABP N83 304843
RD-5-11316-0P	ABP N83 304853
RD-5-11316-1P	ABP N83 304853Q
RD-5-11318-1P	ABP N83 304859Q
RD-5-11319-0P	ABP N83 324525
RD-5-11322-0P	ABP N83 304344
RD-5-11324-0P	ABP N83 304424
RD-5-11325-0M	ABP N83 310979
RD-5-11326-0P	ABP N83 304973
RD-5-11327-0P	ABP N83 326024
RD-5-11328-0P	ABP N83 304873
RD-5-11330-0P	ABP N83 304524
RD-5-11331-0P	ABP N83 304883
RD-5-11334-0P	ABP N83 304394
RD-5-11336-0P	ABP N83 304584
RD-5-11337-0P	ABP N83 304594
RD-5-11338-0P	ABP N83 304614
RD-5-11339-0P	ABP N83 304903

RED DOT	
RD-5-11339-1P	ABP N83 304903Q
RD-5-11340-0P	ABP N83 304913
RD-5-11343-0P	ABP N83 304574
RD-5-11343-1P	ABP N83 304574Q
RD-5-11345-0P	ABP N83 304654
RD-5-11346-0P	ABP N83 304664
RD-5-11347-0P	ABP N83 304674
RD-5-11348-0P	ABP N83 304684
RD-5-11349-0P	ABP N83 304414
RD-5-11350-0P	ABP N83 304983
RD-5-11351-0P	ABP N83 304671
RD-5-11356-0P	ABP N83 304534
RD-5-11365-0P	ABP N83 327573
RD-5-11372-0P	ABP N83 327990
RD-5-11373-1P	ABP N83 304420Q
RD-5-11374-0P	ABP N83 303767
RD-5-11380-0P	ABP N83 318604
RD-5-11381-0P	ABP N83 318602
RD-5-11387-1P	ABP N83 310784C
RD-5-11461-0M	ABP N83 312086
RD-5-11462-0M	ABP N83 312088
RD-5-11463-0M	ABP N83 312070
RD-5-11464-0M	ABP N83 312102
RD-5-11466-0P	ABP N83 301307
RD-5-11488-0P	ABP N83 301327
RD-5-11489-0P	ABP N83 301317
RD-5-11520-1P	ABP N83 304769Q
RD-5-11521-0P	ABP N83 304739
RD-5-11521-1P	ABP N83 304739Q
RD-5-11522-0P	ABP N83 319584
RD-5-11523-1P	ABP N83 304759Q
RD-5-11524-0P	ABP N83 315505
RD-5-11525-0P	ABP N83 327107
RD-5-11526-0P	ABP N83 301024
RD-5-11527-0M	ABP N83 312366
RD-5-11528-0M	ABP N83 312368
RD-5-11529-0M	ABP N83 312361
RD-5-11530-0M	ABP N83 312372
RD-5-11531-0P	ABP N83 319671
RD-5-11532-0P	ABP N83 319661
RD-5-11533-0P	ABP N83 319395
RD-5-11534-0P	ABP N83 319505
RD-5-11535-0P	ABP N83 319555
RD-5-11536-1P	ABP N83 310322C
RD-5-11537-1P	ABP N83 310324C
RD-5-11538-1P	ABP N83 310326C

RED DOT	
RD-5-11539-1P	ABP N83 310328C
RD-5-11540-1P	ABP N83 310330C
RD-5-11541-1P	ABP N83 310332C
RD-5-11542-1P	ABP N83 310342C
RD-5-11543-1P	ABP N83 310336C
RD-5-11544-1P	ABP N83 310338C
RD-5-11545-1P	ABP N83 310334C
RD-5-11546-0P	ABP N83 319309
RD-5-11560-0P	ABP N83 317054
RD-5-11561-0P	ABP N83 327635
RD-5-11562-0P	ABP N83 327640
RD-5-11563-0P	ABP N83 327645
RD-5-11564-0P	ABP N83 327665
RD-5-11565-0P	ABP N83 327670
RD-5-11566-0P	ABP N83 327675
RD-5-11567-0P	ABP N83 327685
RD-5-11568-0P	ABP N83 327112
RD-5-11569-0P	ABP N83 305991
RD-5-11570-0P	ABP N83 305996
RD-5-11572-1P	ABP N83 310764C
RD-5-11573-1P	ABP N83 310790C
RD-5-11574-1P	ABP N83 310362C
RD-5-11575-1P	ABP N83 310364C
RD-5-11576-1P	ABP N83 310366C
RD-5-11578-0P	ABP N83 327975
RD-5-11579-0P	ABP N83 301020
RD-5-11580-0P	ABP N83 327408
RD-5-11663-0P	ABP N83 324585
RD-5-11829-0P	ABP N83 305228
RD-5-11829-1P	ABP N83 305228C
RD-5-11830-0P	ABP N83 305232
RD-5-11830-1P	ABP N83 305232C
RD-5-11831-0P	ABP N83 305242
RD-5-11831-1P	ABP N83 305242C
RD-5-11832-0P	ABP N83 305252
RD-5-11832-1P	ABP N83 305252C
RD-5-11833-0P	ABP N83 305262
RD-5-11833-1P	ABP N83 305262C
RD-5-11834-0P	ABP N83 305272
RD-5-11834-1P	ABP N83 305272C
RD-5-11836-0P	ABP N83 328375
RD-5-11838-1P	ABP N83 311962C
RD-5-11839-1P	ABP N83 311964C
RD-5-11840-1P	ABP N83 311972C
RD-5-11841-0P	ABP N83 328385
RD-5-11841-1P	ABP N83 328175

RED DOT	
RD-5-11843-0P	ABP N83 301113
RD-5-11851-0P	ABP N83 301232
RD-5-11852-0P	ABP N83 301233
RD-5-11853-0P	ABP N83 301234
RD-5-11854-0P	ABP N83 301235
RD-5-11855-0P	ABP N83 301236
RD-5-11859-0P	ABP N83 301225
RD-5-11860-0P	ABP N83 301226
RD-5-11864-1P	ABP N83 325182
RD-5-11866-0P	ABP N83 304743
RD-5-11866-2P	ABP N83 304743
RD-5-11973-0P	ABP N83 304829
RD-5-11974-0P	ABP N83 304839
RD-5-11978-1P	ABP N83 305256C
RD-5-12026-0P	ABP N83 311794
RD-5-12028-0P	ABP N83 311224
RD-5-12029-0P	ABP N83 311234
RD-5-12030-0P	ABP N83 311254
RD-5-12031-0P	ABP N83 311264
RD-5-12032-0P	ABP N83 311702
RD-5-12033-0P	ABP N83 311704
RD-5-12034-0P	ABP N83 311714
RD-5-12035-0P	ABP N83 311722
RD-5-12037-0P	ABP N83 311732
RD-5-12039-0P	ABP N83 311284
RD-5-12040-0P	ABP N83 311294
RD-5-12041-0P	ABP N83 311304
RD-5-12042-0P	ABP N83 311314
RD-5-12043-0P	ABP N83 311034
RD-5-12044-0P	ABP N83 311044
RD-5-12045-0P	ABP N83 311054
RD-5-12051-0P	ABP N83 306375
RD-5-12150-0P	ABP N83 318131
RD-5-12151-2P	ABP N83 318189
RD-5-12179-0P	ABP N83 304844
RD-5-12186-1P	ABP N83 319057
RD-5-12246-0P	ABP N83 310468
RD-5-12285-0P	ABP N83 311064
RD-5-12286-0P	ABP N83 311204
RD-5-12289-0P	ABP N83 311184
RD-5-12290-0P	ABP N83 310612
RD-5-12291-0P	ABP N83 310614
RD-5-12292-0P	ABP N83 310616
RD-5-12293-0P	ABP N83 310618
RD-5-12294-0P	ABP N83 310622
RD-5-12295-0P	ABP N83 310624

RED DOT	
RD-5-12296-0P	ABP N83 310626
RD-5-12298-0P	ABP N83 311584
RD-5-12299-0P	ABP N83 311594
RD-5-12300-0P	ABP N83 311602
RD-5-12302-0P	ABP N83 311404
RD-5-12303-0P	ABP N83 311868
RD-5-12304-0P	ABP N83 311274
RD-5-12305-0P	ABP N83 311244
RD-5-12306-0P	ABP N83 311194
RD-5-12307-0P	ABP N83 311214
RD-5-12308-0P	ABP N83 311424
RD-5-12309-0P	ABP N83 311752
RD-5-12310-0P	ABP N83 310444
RD-5-12311-0P	ABP N83 310454
RD-5-12312-0P	ABP N83 310464
RD-5-12313-0P	ABP N83 310504
RD-5-12314-0P	ABP N83 310514
RD-5-12315-0P	ABP N83 310518
RD-5-12316-0P	ABP N83 327987
RD-5-12317-0P	ABP N83 327986
RD-5-12318-0P	ABP N83 327988
RD-5-12319-0P	ABP N83 327577
RD-5-12321-0P	ABP N83 327976
RD-5-12330-0P	ABP N83 304241
RD-5-12330-1P	ABP N83 304241Q
RD-5-12332-0P	ABP N83 304481
RD-5-12332-1P	ABP N83 304481Q
RD-5-12334-0P	ABP N83 304741
RD-5-12334-1P	ABP N83 304741Q
RD-5-12450-0P	ABP N83 301459
RD-5-12450-1P	ABP N83 301458
RD-5-12462-0P	ABP N83 319740
RD-5-12488-0P	ABP N83 306575
RD-5-12520-0P	ABP N83 308241
RD-5-12521-0P	ABP N83 308107
RD-5-12522-0P	ABP N83 308117
RD-5-12523-0P	ABP N83 304863
RD-5-12525-0P	ABP N83 304699Q
RD-5-12528-0P	ABP N83 304619Q
RD-5-12529-0P	ABP N83 304018Q
RD-5-12530-0P	ABP N83 304754
RD-5-12530-1P	ABP N83 304745Q
RD-5-12531-0P	ABP N83 301243
RD-5-12532-0P	ABP N83 301244
RD-5-12533-0P	ABP N83 328262
RD-5-12534-0P	ABP N83 328263

RED DOT	
RD-5-12535-0P	ABP N83 304279Q
RD-5-12550-0P	ABP N83 304993
RD-5-12551-0P	ABP N83 301987
RD-5-12552-1P	ABP N83 311956C
RD-5-12559-0P	ABP N83 328281
RD-5-12564-0P	ABP N83 304899Q
RD-5-12568-0P	ABP N83 304774Q
RD-5-12569-0P	ABP N83 304784Q
RD-5-12623-0P	ABP N83 319159
RD-5-12630-0P	ABP N83 304879Q
RD-5-12647-0P	ABP N83 313456
RD-5-12674-0P	ABP N83 314147
RD-5-12675-0M	ABP N83 312222
RD-5-12676-0P	ABP N83 322860
RD-5-12742-24P	ABP N83 301295
RD-5-12757-0P	ABP N83 319915
RD-5-12757-1P	ABP N83 319925
RD-5-12783-0P	ABP N83 317066
RD-5-12839-0P	ABP N83 3119555C
RD-5-12899-0P	ABP N83 304289Q
RD-5-12900-0P	ABP N83 304329Q
RD-5-12901-0P	ABP N83 304869Q
RD-5-12902-0P	ABP N83 304339Q
RD-5-12903-0P	ABP N83 304589Q
RD-5-12904-0P	ABP N83 304579Q
RD-5-12906-0P	ABP N83 304709Q
RD-5-12907-0P	ABP N83 304719Q
RD-5-12908-0P	ABP N83 304689Q
RD-5-13041-0P	ABP N83 304519Q
RD-5-13045-0P	ABP N83 328283
RD-5-13046-0P	ABP N83 328282
RD-5-13062-0P	ABP N83 304543S
RD-5-13062-1P	ABP N83 304543QS
RD-5-13067-0P	ABP N83 301303
RD-5-13068-0P	ABP N83 301304
RD-5-13069-0P	ABP N83 301305
RD-5-13070-0P	ABP N83 301306
RD-5-13071-0P	ABP N83 304834
RD-5-13072-0P	ABP N83 304864
RD-5-13153-0P	ABP N83 304599Q
RD-5-13207-0P	ABP N83 304324
RD-5-13208-0P	ABP N83 304467
RD-5-13209-0P	ABP N83 304764
RD-5-13210-0P	ABP N83 304199
RD-5-13212-0P	ABP N83 304874
RD-5-13212-1P	ABP N83 304874Q

RED DOT	
RD-5-13213-0P	ABP N83 304884
RD-5-13214-0P	ABP N83 304894
RD-5-13215-0P	ABP N83 304904
RD-5-13215-1P	ABP N83 304904Q
RD-5-13216-0P	ABP N83 319754
RD-5-13216-1P	ABP N83 319755
RD-5-13226-0P	ABP N83 304774
RD-5-13227-0P	ABP N83 318155
RD-5-13228-0P	ABP N83 327695
RD-5-13230-0P	ABP N83 302321
RD-5-13233-0P	ABP N83 318027
RD-5-13234-0P	ABP N83 318035
RD-5-13235-0P	ABP N83 304319Q
RD-5-13239-0P	ABP N83 321015
RD-5-13242-0M	ABP N83 312103
RD-5-13248-0P	ABP N83 304994
RD-5-13250-0P	ABP N83 319568
RD-5-13250-1P	ABP N83 319051
RD-5-13299-0P	ABP N83 321201
RD-5-13533-0P	ABP N83 309281
RD-5-13543-0P	ABP N83 327989
RD-5-13655-0P	ABP N83 304729Q
RD-5-13705-0P	ABP N83 322303
RD-5-14045-0P	ABP N83 319951
RD-5-14046-0P	ABP N83 301274
RD-5-14063-0P	ABP N83 327432
RD-5-14066-0P	ABP N83 304905
RD-5-14067-0P	ABP N83 304906
RD-5-14068-0P	ABP N83 304907
RD-5-14069-0P	ABP N83 304908
RD-5-14070-0P	ABP N83 304909
RD-5-14073-0P	ABP N83 301054
RD-5-14078-0P	ABP N83 319316
RD-5-14079-0P	ABP N83 304910
RD-5-14080-0P	ABP N83 304911
RD-5-14082-0P	ABP N83 326027
RD-5-14086-0P	ABP N83 308263
RD-5-14094-0P	ABP N83 319155
RD-5-14095-0P	ABP N83 319162
RD-5-14190-24P	ABP N83 301094
RD-5-14191-0P	ABP N83 301253
RD-5-14601-0P	ABP N83 321003
RD-5-14603-0P	ABP N83 318001
RD-5-14604-0P	ABP N83 318017
RD-5-14605-0P	ABP N83 322671
RD-5-14607-0P	ABP N83 325407

RED DOT	
RD-5-14608-0P	ABP N83 324028
RD-5-14610-0P	ABP N83 324027
RD-5-14612-0P	ABP N83 301886
RD-5-14613-0P	ABP N83 302006
RD-5-14618-0P	ABP N83 308014
RD-5-14619-0P	ABP N83 308022
RD-5-14620-0P	ABP N83 315021
RD-5-14621-0P	ABP N83 315022
RD-5-14622-0P	ABP N83 315023
RD-5-14624-0P	ABP N83 307291
RD-5-14638-0P	ABP N83 319156
RD-5-14639-0P	ABP N83 319157
RD-5-14640-0P	ABP N83 319161
RD-5-14644-0P	ABP N83 304914
RD-5-14645-0P	ABP N83 304915
RD-5-14647-0P	ABP N83 319003
RD-5-14648-0P	ABP N83 319015
RD-5-14650-0P	ABP N83 319949
RD-5-14651-0P	ABP N83 321004
RD-5-14655-0P	ABP N83 304458
RD-5-14659-0P	ABP N83 304437
RD-5-14665-0P	ABP N83 304465
RD-5-14681-0P	ABP N83 301163
RD-5-14682-0P	ABP N83 301164
RD-5-14683-0P	ABP N83 301046
RD-5-14684-0P	ABP N83 301919
RD-5-14685-0P	ABP N83 319013
RD-5-14686-0P	ABP N83 319011
RD-5-14687-0P	ABP N83 319001
RD-5-14688-0P	ABP N83 319002
RD-5-14689-0P	ABP N83 304215
RD-5-14693-0P	ABP N83 325514
RD-5-14695-0P	ABP N83 325516
RD-5-14696-0P	ABP N83 304216
RD-5-14697-0P	ABP N83 325176
RD-5-14698-0P	ABP N83 325177
RD-5-14699-0P	ABP N83 325178
RD-5-15280-0P	ABP N83 325179
RD-5-15281-0P	ABP N83 325181
RD-5-15282-0P	ABP N83 325517
RD-5-15287-0P	ABP N83 319041
RD-5-15293-0P	ABP N83 322026
RD-5-15294-0P	ABP N83 322027
RD-5-15295-0P	ABP N83 308020
RD-5-15305-0P	ABP N83 322681
RD-5-15318-0P	ABP N83 318085

RED DOT	
RD-5-15501-0P	ABP N83 318076
RD-5-15542-0P	ABP N83 301452
RD-5-15574-0P	ABP N83 301056
RD-5-3550-120P	ABP N83 313901
RD-5-3593-0P	ABP N83 319514
RD-5-3593-1P	ABP N83 319010
RD-5-3596-0P	ABP N83 317017
RD-5-3597-0P	ABP N83 316010
RD-5-3599-0P	ABP N83 322375
RD-5-3646-0P	ABP N83 322190
RD-5-3647-0P	ABP N83 321060
RD-5-3657-0P	ABP N83 313703
RD-5-3686-0P	ABP N83 310013
RD-5-3686-1P	ABP N83 314115
RD-5-3690-0P	ABP N83 301381
RD-5-3690-1-24P	ABP N83 301181
RD-5-3690-1P	ABP N83 301382
RD-5-3693-0P	ABP N83 305080
RD-5-3693-1P	ABP N83 305075
RD-5-3694-0P	ABP N83 305070
RD-5-3694-1P	ABP N83 305065
RD-5-3698-0M	ABP N83 305010
RD-5-3701-0P	ABP N83 316005
RD-5-3702-0P	ABP N83 317040
RD-5-3709-0P	ABP N83 317026
RD-5-3713-0P	ABP N83 310066
RD-5-3714-0P	ABP N83 310238
RD-5-3715-0P	ABP N83 310130
RD-5-3716-0P	ABP N83 310033
RD-5-3717-0P	ABP N83 310128
RD-5-3718-0P	ABP N83 310140
RD-5-3719-0P	ABP N83 310076
RD-5-3720-0P	ABP N83 310248
RD-5-3721-0P	ABP N83 310121
RD-5-3722-0P	ABP N83 310056
RD-5-3723-0P	ABP N83 310138
RD-5-3724-0P	ABP N83 310030
RD-5-3725-0P	ABP N83 313101
RD-5-3726-0P	ABP N83 313138
RD-5-3727-0P	ABP N83 313111
RD-5-3728-0M	ABP N83 312036
RD-5-3729-0M	ABP N83 312018
RD-5-3730-0M	ABP N83 312010
RD-5-3746-1P	ABP N83 310043
RD-5-3748-0P	ABP N83 322345
RD-5-3751-24P	ABP N83 301321

RED DOT	
RD-5-3757-12P	ABP N83 301182
RD-5-3757-24P	ABP N83 301062
RD-5-3758-0P	ABP N83 317025
RD-5-3779-0P	ABP N83 323063
RD-5-3780-0P	ABP N83 301162
RD-5-3780-24P	ABP N83 301152
RD-5-3789-8P	ABP N83 325041
RD-5-3791-0P	ABP N83 311091
RD-5-3800-1P	ABP N83 302111
RD-5-3824-1P	ABP N83 308085
RD-5-3827-0P	ABP N83 322070
RD-5-3827-1P	ABP N83 322073
RD-5-3827-2P	ABP N83 322077
RD-5-3827-4P	ABP N83 322165
RD-5-3827-6P	ABP N83 322195
RD-5-3843-0P	ABP N83 319020
RD-5-3846-0P	ABP N83 317013
RD-5-3861-0P	ABP N83 311181
RD-5-3876-1P	ABP N83 310071
RD-5-3905-0P	ABP N83 325034
RD-5-3923-0P	ABP N83 322275
RD-5-3927-108P	ABP N83 313903
RD-5-3930-108P	ABP N83 313905
RD-5-3933-1P	ABP N83 302022
RD-5-3940-0M	ABP N83 305000
RD-5-3941-0M	ABP N83 305050
RD-5-3988-0P	ABP N83 322240
RD-5-4035-10M	ABP N83 311021
RD-5-4035-16M	ABP N83 311031
RD-5-4035-52P	ABP N83 311041
RD-5-4058-360P	ABP N83 325021
RD-5-4187-0P	ABP N83 313300
RD-5-4216-0P	ABP N83 320090
RD-5-4233-24P	ABP N83 301370
RD-5-4283-0P	ABP N83 322225
RD-5-4287-0P	ABP N83 322235
RD-5-4289-0P	ABP N83 128718
RD-5-4296-0P	ABP N83 301227
RD-5-4296-1P	ABP N83 301228
RD-5-4297-0P	ABP N83 314600
RD-5-4302-0M	ABP N83 316055
RD-5-4400-0P	ABP N83 311081
RD-5-4408-0P	ABP N83 320140
RD-5-4417-0P	ABP N83 320280
RD-5-4450-0P	ABP N83 316040
RD-5-4451-0P	ABP N83 317028

RED DOT	
RD-5-4452-0P	ABP N83 317027
RD-5-4471-0P	ABP N83 310021
RD-5-4475-0P	ABP N83 322395
RD-5-4476-12M	ABP N83 311023
RD-5-4497-0P	ABP N83 311461
RD-5-4527-0P	ABP N83 310280
RD-5-4528-0P	ABP N83 310286
RD-5-4531-24P	ABP N83 323010
RD-5-4550-0P	ABP N83 301171
RD-5-4550-24P	ABP N83 301311
RD-5-4575-0P	ABP N83 309111
RD-5-4575-24P	ABP N83 309071
RD-5-4583-0P	ABP N83 318149
RD-5-4585-0P	ABP N83 318009
RD-5-4620-0P	ABP N83 322175
RD-5-4625-0P	ABP N83 322200
RD-5-4632-0P	ABP N83 319310
RD-5-4632-1P	ABP N83 319074
RD-5-4640-0P	ABP N83 318089
RD-5-4646-0P	ABP N83 318079
RD-5-4659-0P	ABP N83 313930
RD-5-4665-0M	ABP N83 311061
RD-5-4666-0M	ABP N83 311071
RD-5-4680-0-BLKP	ABP N83 313700
RD-5-4680-0-WHTP	ABP N83 313701
RD-5-4694-1P	ABP N83 322005
RD-5-4709-0P	ABP N83 314095
RD-5-4721-0P	ABP N83 322075
RD-5-4727-0P	ABP N83 319044
RD-5-4727-1P	ABP N83 319064
RD-5-4740-0P	ABP N83 322125
RD-5-4747-0P	ABP N83 322100
RD-5-4756-0P	ABP N83 313940
RD-5-4762-96P	ABP N83 327547
RD-5-4813-0P	ABP N83 311231
RD-5-4827-24P	ABP N83 310331
RD-5-4827-2P	ABP N83 301040
RD-5-4832-0M	ABP N83 311331
RD-5-4833-0P	ABP N83 318064
RD-5-4834-0P	ABP N83 319174
RD-5-4903-0P	ABP N83 311271
RD-5-4904-0P	ABP N83 311261
RD-5-4905-0P	ABP N83 327310
RD-5-4908-0P	ABP N83 322105
RD-5-4909-0P	ABP N83 323088
RD-5-4911-0P	ABP N83 323034

RED DOT	
RD-5-4912-0P	ABP N83 318070
RD-5-4917-0P	ABP N83 323024
RD-5-4919-1P	ABP N83 308049
RD-5-4923-0P	ABP N83 324215
RD-5-4927-0P	ABP N83 301271
RD-5-4932-0P	ABP N83 301281
RD-5-4937-0P	ABP N83 301025
RD-5-4947-0P	ABP N83 319100
RD-5-4950-0P	ABP N83 319290
RD-5-4950-1P	ABP N83 319291
RD-5-4954-0P	ABP N83 319180
RD-5-4955-0P	ABP N83 319110
RD-5-4959-0P	ABP N83 319910
RD-5-4961-0P	ABP N83 319029
RD-5-4962-0P	ABP N83 319009
RD-5-4965-0P	ABP N83 303041
RD-5-4966-0P	ABP N83 303051
RD-5-4967-0P	ABP N83 303252
RD-5-4972-1P	ABP N83 303083
RD-5-4975-0P	ABP N83 303071
RD-5-4976-0P	ABP N83 303002
RD-5-4980-0P	ABP N83 303151
RD-5-4981-0P	ABP N83 303401
RD-5-4982-0P	ABP N83 303081
RD-5-4983-0P	ABP N83 303091
RD-5-4984-0P	ABP N83 303011
RD-5-4987-0P	ABP N83 303102
RD-5-4988-0P	ABP N83 303171
RD-5-4991-0P	ABP N83 303211
RD-5-4993-0P	ABP N83 303191
RD-5-4994-0P	ABP N83 303012
RD-5-4995-0P	ABP N83 303021
RD-5-4997-0M	ABP N83 305055
RD-5-5000-0P	ABP N83 304008
RD-5-5006-0P	ABP N83 313126
RD-5-5006-600P	ABP N83 313106
RD-5-5008-0P	ABP N83 313107
RD-5-5008-600P	ABP N83 313118
RD-5-5010-0P	ABP N83 313103
RD-5-5010-600P	ABP N83 313100
RD-5-5012-0P	ABP N83 313104
RD-5-5012-600P	ABP N83 313102
RD-5-5014-1P	ABP N83 325051
RD-5-5015-3P	ABP N83 325162
RD-5-5015-4P	ABP N83 325160
RD-5-5027-1P	ABP N83 320170

RED DOT	
RD-5-5031-0P	ABP N83 305015
RD-5-5032-0P	ABP N83 305020
RD-5-5049-1P	ABP N83 301312
RD-5-5049-2P	ABP N83 301129
RD-5-5119-0P	ABP N83 324010
RD-5-5120-0P	ABP N83 301421
RD-5-5120-24P	ABP N83 301351
RD-5-5121-0P	ABP N83 301192
RD-5-5121-1P	ABP N83 301109
RD-5-5121-24P	ABP N83 301142
RD-5-5121-2P	ABP N83 301139
RD-5-5122-108P	ABP N83 313558
RD-5-5123-108P	ABP N83 313559
RD-5-5126-0P	ABP N83 305060
RD-5-5144-0P	ABP N83 303292
RD-5-5147-0P	ABP N83 325035
RD-5-5147-1P	ABP N83 325036
RD-5-5150-0P	ABP N83 328721
RD-5-5151-0P	ABP N83 328719
RD-5-5152-0P	ABP N83 328720
RD-5-5159-0P	ABP N83 325080
RD-5-5160-0P	ABP N83 325081
RD-5-5165-0P	ABP N83 325073
RD-5-5169-0P	ABP N83 325084
RD-5-5178-0P	ABP N83 325057
RD-5-5183-0P	ABP N83 325950
RD-5-5184-0P	ABP N83 325087
RD-5-5190-0P	ABP N83 301042
RD-5-5191-0P	ABP N83 324065
RD-5-5192-0P	ABP N83 324020
RD-5-5193-0P	ABP N83 324025
RD-5-5194-0P	ABP N83 323148
RD-5-5195-0P	ABP N83 305085
RD-5-5196-0P	ABP N83 305100
RD-5-5197-0P	ABP N83 305105
RD-5-5198-0P	ABP N83 305095
RD-5-5199-0P	ABP N83 304282
RD-5-5200-0P	ABP N83 304292
RD-5-5200-24P	ABP N83 304302
RD-5-5215-0P	ABP N83 324120
RD-5-5222-0P	ABP N83 317046
RD-5-5223-0P	ABP N83 317022
RD-5-5223-1P	ABP N83 317021
RD-5-5230-0P	ABP N83 301291
RD-5-5256-0M	ABP N83 311918
RD-5-5263-0P	ABP N83 302051

RED DOT	
RD-5-5269-2P	ABP N83 301821
RD-5-5300-0P	ABP N83 324080
RD-5-5300-1P	ABP N83 324070
RD-5-5302-1P	ABP N83 322060
RD-5-5305-0P	ABP N83 310032
RD-5-5396-0P	ABP N83 305125
RD-5-5397-0P	ABP N83 305115
RD-5-5400-0P	ABP N83 322170
RD-5-5401-0M	ABP N83 314400
RD-5-5403-0P	ABP N83 325128
RD-5-5403-1P	ABP N83 325143
RD-5-5406-2P	ABP N83 325192
RD-5-5414-4P	ABP N83 318113
RD-5-5424-1P	ABP N83 318123
RD-5-5428-0P	ABP N83 328085
RD-5-5428-1P	ABP N83 328433
RD-5-5431-0P	ABP N83 328251
RD-5-5432-0P	ABP N83 328252
RD-5-5443-0P	ABP N83 304332
RD-5-5476-0P	ABP N83 317011
RD-5-5486-0P	ABP N83 303282
RD-5-5487-0P	ABP N83 303302
RD-5-5488-0P	ABP N83 303511
RD-5-5489-0P	ABP N83 303491
RD-5-5495-1P	ABP N83 324005
RD-5-5495-2P	ABP N83 324030
RD-5-5512-0P	ABP N83 301261
RD-5-5520-0P	ABP N83 324085
RD-5-5525-0P	ABP N83 310051
RD-5-5538-0P	ABP N83 318013
RD-5-5551-0P	ABP N83 302311
RD-5-5552-0P	ABP N83 317024
RD-5-5566-0P	ABP N83 325105
RD-5-5571-0P	ABP N83 319144
RD-5-5572-0P	ABP N83 319004
RD-5-5574-0P	ABP N83 303037
RD-5-5575-0P	ABP N83 304222
RD-5-5583-0P	ABP N83 319084
RD-5-5588-0P	ABP N83 319184
RD-5-5589-0P	ABP N83 319120
RD-5-5589-1P	ABP N83 319121
RD-5-5601-0P	ABP N83 302061
RD-5-5614-0P	ABP N83 301172
RD-5-5620-0P	ABP N83 305045
RD-5-5626-0P	ABP N83 304162
RD-5-5627-0P	ABP N83 304212

RED DOT	
RD-5-5628-0P	ABP N83 304172
RD-5-5634-1P	ABP N83 301097
RD-5-5656-0P	ABP N83 302032
RD-5-5662-96P	ABP N83 327544
RD-5-5684-0P	ABP N83 304182
RD-5-5696-0P	ABP N83 304152
RD-5-5721-0P	ABP N83 322090
RD-5-5721-1P	ABP N83 322095
RD-5-5751-0P	ABP N83 305005
RD-5-5752-0P	ABP N83 305025
RD-5-5754-0P	ABP N83 305030
RD-5-5784-5P	ABP N83 318083
RD-5-5791-600-GRNP	ABP N83 313705
RD-5-5791-600-REDP	ABP N83 313706
RD-5-5791-600-WHTP	ABP N83 313704
RD-5-5794-0P	ABP N83 305035
RD-5-5796-0P	ABP N83 309141
RD-5-5796-24P	ABP N83 309013
RD-5-5837-0P	ABP N83 301052
RD-5-5859-0P	ABP N83 326022
RD-5-5862-0P	ABP N83 308045
RD-5-5873-0P	ABP N83 318030
RD-5-5874-0P	ABP N83 320060
RD-5-5875-0P	ABP N83 304029
RD-5-5875-1P	ABP N83 304029Q
RD-5-5876-0P	ABP N83 304019
RD-5-5876-1P	ABP N83 304019Q
RD-5-5877-0P	ABP N83 318104
RD-5-5887-0P	ABP N83 309081
RD-5-5901-0P	ABP N83 313918
RD-5-5905-96P	ABP N83 327542
RD-5-5908-96P	ABP N83 327546
RD-5-5909-0P	ABP N83 301161
RD-5-5916-0P	ABP N83 326057
RD-5-5928-0P	ABP N83 316050
RD-5-5937-0P	ABP N83 328095
RD-5-5937-1P	ABP N83 328503
RD-5-5954-0P	ABP N83 319094
RD-5-5955-0P	ABP N83 319350
RD-5-5955-1P	ABP N83 319351
RD-5-5997-0P	ABP N83 325129
RD-5-6017-0P	ABP N83 317016
RD-5-6028-1P	ABP N83 318133
RD-5-6038-0P	ABP N83 304192
RD-5-6062-0P	ABP N83 310296
RD-5-6063-0P	ABP N83 310028

RED DOT	
RD-5-6064-0P	ABP N83 310321
RD-5-6066-0P	ABP N83 310306
RD-5-6067-0P	ABP N83 310258
RD-5-6068-0P	ABP N83 310260
RD-5-6069-0P	ABP N83 310002
RD-5-6071-0P	ABP N83 301341
RD-5-6075-0P	ABP N83 319104
RD-5-6075-1P	ABP N83 319105
RD-5-6076-0P	ABP N83 319114
RD-5-6077-0P	ABP N83 319124
RD-5-6098-0M	ABP N83 314105
RD-5-6099-0P	ABP N83 308065
RD-5-6124-0P	ABP N83 328240
RD-5-6164-0P	ABP N83 304202
RD-5-6170-0P	ABP N83 325089
RD-5-6171-0P	ABP N83 325090
RD-5-6220-0P	ABP N83 317042
RD-5-6224-0P	ABP N83 325109
RD-5-6232-0P	ABP N83 325114
RD-5-6233-0P	ABP N83 325115
RD-5-6234-0P	ABP N83 325116
RD-5-6240-0P	ABP N83 328245
RD-5-6240-1P	ABP N83 328383
RD-5-6304-600P	ABP N83 313308
RD-5-6320-0P	ABP N83 301269
RD-5-6365-0P	ABP N83 304232
RD-5-6394-0P	ABP N83 318040
RD-5-6395-0P	ABP N83 318084
RD-5-6395-1P	ABP N83 318088
RD-5-6396-0P	ABP N83 318050
RD-5-6397-0P	ABP N83 318094
RD-5-6398-0P	ABP N83 325133
RD-5-6422-0P	ABP N83 319340
RD-5-6427-1P	ABP N83 311401
RD-5-6429-0P	ABP N83 323000
RD-5-6430-0P	ABP N83 318060
RD-5-6440-0P	ABP N83 301431
RD-5-6450-0P	ABP N83 321350
RD-5-6474-0P	ABP N83 311046
RD-5-6475-0P	ABP N83 310016
RD-5-6476-0P	ABP N83 311056
RD-5-6477-0P	ABP N83 311026
RD-5-6478-0P	ABP N83 311078
RD-5-6479-0P	ABP N83 311098
RD-5-6480-0P	ABP N83 311068
RD-5-6481-0P	ABP N83 311018

RED DOT	
RD-5-6482-0P	ABP N83 311070
RD-5-6483-0P	ABP N83 311080
RD-5-6484-0P	ABP N83 311040
RD-5-6485-0P	ABP N83 311090
RD-5-6487-0P	ABP N83 310020
RD-5-6488-0P	ABP N83 311158
RD-5-6492-0P	ABP N83 311328
RD-5-6493-0P	ABP N83 310470
RD-5-6501-0P	ABP N83 311360
RD-5-6504-1P	ABP N83 319190
RD-5-6505-0P	ABP N83 311110
RD-5-6511-0P	ABP N83 310006
RD-5-6513-0P	ABP N83 327130
RD-5-6520-0P	ABP N83 311386
RD-5-6522-0P	ABP N83 311058
RD-5-6524-0P	ABP N83 310060
RD-5-6525-0P	ABP N83 311020
RD-5-6526-0P	ABP N83 301001
RD-5-6526-1P	ABP N83 301761
RD-5-6526-2P	ABP N83 301561
RD-5-6527-0P	ABP N83 311106
RD-5-6531-0P	ABP N83 301411
RD-5-6547-0P	ABP N83 325047
RD-5-6555-0P	ABP N83 317014
RD-5-6562-0P	ABP N83 311100
RD-5-6567-2P	ABP N83 319130
RD-5-6575-0P	ABP N83 319248
RD-5-6600-0P	ABP N83 311191
RD-5-6602-0P	ABP N83 320050
RD-5-6625-0P	ABP N83 304252
RD-5-6629-1P	ABP N83 318119
RD-5-6639-0P	ABP N83 318074
RD-5-6646-0P	ABP N83 303261
RD-5-6651-1P	ABP N83 302251
RD-5-6667-46P	ABP N83 327362
RD-5-6683-0P	ABP N83 325141
RD-5-6690-0P	ABP N83 320150
RD-5-6691-0M	ABP N83 320110
RD-5-6693-0P	ABP N83 320160
RD-5-6713-0P	ABP N83 322335
RD-5-6714-0P	ABP N83 320052
RD-5-6719-0P	ABP N83 310008
RD-5-6768-1P	ABP N83 319554
RD-5-6768-2P	ABP N83 319553
RD-5-6780-0P	ABP N83 308081
RD-5-6785-24P	ABP N83 301149

RED DOT	
RD-5-6801-0P	ABP N83 301072
RD-5-6802-0P	ABP N83 327355
RD-5-6803-0P	ABP N83 327367
RD-5-6804-0P	ABP N83 322000
RD-5-6833-0P	ABP N83 322260
RD-5-6834-0P	ABP N83 322250
RD-5-6835-0P	ABP N83 322255
RD-5-6838-0P	ABP N83 311806
RD-5-6840-0P	ABP N83 310278
RD-5-6841-0P	ABP N83 311601
RD-5-6865-0M	ABP N83 311912
RD-5-6867-0P	ABP N83 328244
RD-5-6867-1P	ABP N83 328435
RD-5-6868-0P	ABP N83 308011
RD-5-6917-2P	ABP N83 327379
RD-5-6919-0P	ABP N83 304055
RD-5-6942-0P	ABP N83 310216
RD-5-6943-0P	ABP N83 310206
RD-5-6944-0P	ABP N83 311246
RD-5-6945-0P	ABP N83 310226
RD-5-6946-0P	ABP N83 311838
RD-5-6947-0P	ABP N83 310198
RD-5-6948-0P	ABP N83 310188
RD-5-6949-0P	ABP N83 311858
RD-5-6951-0P	ABP N83 310200
RD-5-6953-0P	ABP N83 310190
RD-5-6954-0P	ABP N83 310180
RD-5-6955-0P	ABP N83 310210
RD-5-6956-0P	ABP N83 311250
RD-5-6969-0P	ABP N83 301366
RD-5-6970-0P	ABP N83 302072
RD-5-6970-1P	ABP N83 302062
RD-5-6972-0P	ABP N83 318159
RD-5-6978-0P	ABP N83 310270
RD-5-6979-0P	ABP N83 310420
RD-5-6987-0P	ABP N83 317080
RD-5-6994-0P	ABP N83 318069
RD-5-6996-0P	ABP N83 303202
RD-5-7015-0P	ABP N83 308071
RD-5-7023-0P	ABP N83 304099
RD-5-7023-1P	ABP N83 304249
RD-5-7038-0P	ABP N83 318234
RD-5-7057-0P	ABP N83 311718
RD-5-7058-0P	ABP N83 311551
RD-5-7061-0P	ABP N83 319270
RD-5-7061-1P	ABP N83 319210

RED DOT	
RD-5-7061-2P	ABP N83 319294
RD-5-7061-6P	ABP N83 319271
RD-5-7061-7P	ABP N83 319211
RD-5-7061-8P	ABP N83 319295
RD-5-7061-9P	ABP N83 319052
RD-5-7062-1P	ABP N83 319330
RD-5-7063-0P	ABP N83 319220
RD-5-7064-0P	ABP N83 319134
RD-5-7064-1P	ABP N83 319135
RD-5-7068-0P	ABP N83 314000
RD-5-7069-0P	ABP N83 314040
RD-5-7071-0P	ABP N83 311241
RD-5-7072-0P	ABP N83 314010
RD-5-7073-0P	ABP N83 305090
RD-5-7074-0P	ABP N83 311536
RD-5-7075-0P	ABP N83 311522
RD-5-7088-0P	ABP N83 304102
RD-5-7088-1P	ABP N83 304102Q
RD-5-7089-0P	ABP N83 304122
RD-5-7090-0P	ABP N83 304132
RD-5-7091-0P	ABP N83 304142
RD-5-7091-1P	ABP N83 304142Q
RD-5-7103-0P	ABP N83 326055
RD-5-7103-1P	ABP N83 326105
RD-5-7105-0M	ABP N83 327330
RD-5-7106-0M	ABP N83 327315
RD-5-7119-0P	ABP N83 311728
RD-5-7120-0P	ABP N83 304125
RD-5-7123-0P	ABP N83 309151
RD-5-7124-0P	ABP N83 304105
RD-5-7129-0P	ABP N83 301089
RD-5-7145-0P	ABP N83 304025
RD-5-7145-1P	ABP N83 304025Q
RD-5-7155-0P	ABP N83 308191
RD-5-7163-0P	ABP N83 304035
RD-5-7163-2P	ABP N83 304035Q
RD-5-7164-0P	ABP N83 304015
RD-5-7164-1P	ABP N83 304015Q
RD-5-7165-0P	ABP N83 304045
RD-5-7165-1P	ABP N83 304045Q
RD-5-7166-0P	ABP N83 326056
RD-5-7171-96P	ABP N83 327545
RD-5-7179-0P	ABP N83 308151
RD-5-7181-0P	ABP N83 322224
RD-5-7183-0P	ABP N83 322232
RD-5-7186-0P	ABP N83 308185

RED DOT	
RD-5-7187-0P	ABP N83 308121
RD-5-7188-0-35M	ABP N83 308195
RD-5-7192-0P	ABP N83 320065
RD-5-7215-0P	ABP N83 322223
RD-5-7223-0P	ABP N83 311878
RD-5-7225-0P	ABP N83 311738
RD-5-7231-0P	ABP N83 310010
RD-5-7232-0P	ABP N83 320155
RD-5-7233-0P	ABP N83 320320
RD-5-7236-0P	ABP N83 311436
RD-5-7242-0P	ABP N83 327885
RD-5-7262-0P	ABP N83 328248
RD-5-7267-0P	ABP N83 308161
RD-5-7272-0P	ABP N83 319230
RD-5-7272-1P	ABP N83 319289
RD-5-7277-0M	ABP N83 325172
RD-5-7278-0M	ABP N83 325173
RD-5-7283-0P	ABP N83 311176
RD-5-7292-0P	ABP N83 319344
RD-5-7292-1P	ABP N83 319345
RD-5-7297-0P	ABP N83 309121
RD-5-7306-0P	ABP N83 314182
RD-5-7310-0P	ABP N83 314181
RD-5-7311-0P	ABP N83 302013
RD-5-7312-0P	ABP N83 302003
RD-5-7318-0P	ABP N83 305405
RD-5-7320-0P	ABP N83 305400
RD-5-7357-96P	ABP N83 327543
RD-5-7364-0P	ABP N83 323084
RD-5-7373-0P	ABP N83 304922
RD-5-7392-0P	ABP N83 311286
RD-5-7393-0P	ABP N83 311226
RD-5-7394-0P	ABP N83 311066
RD-5-7395-0P	ABP N83 311016
RD-5-7396-0P	ABP N83 311266
RD-5-7397-0P	ABP N83 311156
RD-5-7398-0P	ABP N83 311336
RD-5-7399-0P	ABP N83 311146
RD-5-7401-0P	ABP N83 311196
RD-5-7403-0P	ABP N83 311326
RD-5-7404-0P	ABP N83 311186
RD-5-7405-0P	ABP N83 311276
RD-5-7406-0P	ABP N83 311166
RD-5-7410-0P	ABP N83 311256
RD-5-7411-0P	ABP N83 311136
RD-5-7413-0P	ABP N83 311216

RED DOT	
RD-5-7414-0P	ABP N83 311356
RD-5-7417-0P	ABP N83 311288
RD-5-7418-0P	ABP N83 311218
RD-5-7419-0P	ABP N83 311088
RD-5-7420-0P	ABP N83 311048
RD-5-7421-0P	ABP N83 311298
RD-5-7423-0P	ABP N83 311038
RD-5-7424-0P	ABP N83 311748
RD-5-7425-0P	ABP N83 311268
RD-5-7426-0P	ABP N83 311188
RD-5-7427-0P	ABP N83 311338
RD-5-7428-0P	ABP N83 311178
RD-5-7430-0P	ABP N83 314285
RD-5-7431-0P	ABP N83 311278
RD-5-7432-0P	ABP N83 311198
RD-5-7437-0P	ABP N83 314310
RD-5-7438-0P	ABP N83 314275
RD-5-7439-0P	ABP N83 314280
RD-5-7440-0P	ABP N83 311348
RD-5-7441-0P	ABP N83 311168
RD-5-7443-0P	ABP N83 311248
RD-5-7445-0P	ABP N83 311208
RD-5-7446-0P	ABP N83 311368
RD-5-7447-0P	ABP N83 311130
RD-5-7448-0P	ABP N83 311030
RD-5-7449-0P	ABP N83 311140
RD-5-7450-0P	ABP N83 311050
RD-5-7451-0P	ABP N83 311010
RD-5-7452-0P	ABP N83 311270
RD-5-7454-0P	ABP N83 311190
RD-5-7456-0P	ABP N83 311470
RD-5-7457-0P	ABP N83 311280
RD-5-7458-0P	ABP N83 311200
RD-5-7460-0P	ABP N83 311240
RD-5-7461-0P	ABP N83 311340
RD-5-7462-0P	ABP N83 311180
RD-5-7463-0P	ABP N83 311370
RD-5-7467-0P	ABP N83 311132
RD-5-7468-0P	ABP N83 311072
RD-5-7469-0P	ABP N83 311162
RD-5-7470-0P	ABP N83 311092
RD-5-7471-0P	ABP N83 311042
RD-5-7472-0P	ABP N83 311444
RD-5-7473-0P	ABP N83 311022
RD-5-7476-0P	ABP N83 311012
RD-5-7477-0P	ABP N83 311032

RED DOT	
RD-5-7478-0P	ABP N83 311202
RD-5-7480-0P	ABP N83 311112
RD-5-7481-0P	ABP N83 311122
RD-5-7482-0P	ABP N83 311062
RD-5-7487-0P	ABP N83 314260
RD-5-7488-0P	ABP N83 314235
RD-5-7489-0P	ABP N83 314240
RD-5-7490-0P	ABP N83 311172
RD-5-7491-0P	ABP N83 311102
RD-5-7492-0P	ABP N83 311052
RD-5-7493-0P	ABP N83 311182
RD-5-7494-0P	ABP N83 314185
RD-5-7495-0P	ABP N83 310440
RD-5-7517-0P	ABP N83 319048
RD-5-7517-1P	ABP N83 319314
RD-5-7522-0P	ABP N83 304095
RD-5-7523-0M	ABP N83 314091
RD-5-7524-0M	ABP N83 314215
RD-5-7530-0P	ABP N83 311346
RD-5-7531-0P	ABP N83 311358
RD-5-7532-0P	ABP N83 311350
RD-5-7533-0P	ABP N83 311320
RD-5-7534-0P	ABP N83 311296
RD-5-7535-0P	ABP N83 311290
RD-5-7537-0P	ABP N83 311230
RD-5-7539-0P	ABP N83 314183
RD-5-7543-0P	ABP N83 310460
RD-5-7546-0P	ABP N83 311676
RD-5-7548-0P	ABP N83 304422
RD-5-7559-0P	ABP N83 304604
RD-5-7563-0P	ABP N83 319160
RD-5-7563-1P	ABP N83 319279
RD-5-7564-0P	ABP N83 319650
RD-5-7564-1P	ABP N83 319651
RD-5-7565-0P	ABP N83 319278
RD-5-7565-1P	ABP N83 319277
RD-5-7566-0P	ABP N83 304115
RD-5-7567-0P	ABP N83 308009
RD-5-7570-0M	ABP N83 319168
RD-5-7582-600P	ABP N83 313304
RD-5-7603-0P	ABP N83 310266
RD-5-7604-0P	ABP N83 310228
RD-5-7605-0P	ABP N83 310250
RD-5-7610-0P	ABP N83 304065
RD-5-7612-0P	ABP N83 311036
RD-5-7613-0P	ABP N83 305320

RED DOT	
RD-5-7614-0P	ABP N83 305830
RD-5-7629-0P	ABP N83 311716
RD-5-7632-0P	ABP N83 311888
RD-5-7637-0P	ABP N83 310400
RD-5-7641-0P	ABP N83 310500
RD-5-7661-0P	ABP N83 311591
RD-5-7688-0P	ABP N83 305227
RD-5-7690-0P	ABP N83 305225
RD-5-7704-0P	ABP N83 305580
RD-5-7731-0P	ABP N83 327905
RD-5-7732-0P	ABP N83 327915
RD-5-7733-0P	ABP N83 311582
RD-5-7740-0P	ABP N83 311572
RD-5-7747-96P	ABP N83 327535
RD-5-7759-0M	ABP N83 311574
RD-5-7760-0P	ABP N83 324033
RD-5-7760-1P	ABP N83 324003
RD-5-7760-2P	ABP N83 324013
RD-5-7760-3P	ABP N83 324023
RD-5-7789-0P	ABP N83 327726
RD-5-7790-0P	ABP N83 327728
RD-5-7791-0P	ABP N83 327721
RD-5-7792-0P	ABP N83 327722
RD-5-7805-0P	ABP N83 311796
RD-5-7807-0P	ABP N83 320055
RD-5-7809-0P	ABP N83 320062
RD-5-7829-0P	ABP N83 305013
RD-5-7830-0P	ABP N83 305023
RD-5-7831-0P	ABP N83 303232
RD-5-7832-0P	ABP N83 303722
RD-5-7833-0P	ABP N83 305003
RD-5-7836-0P	ABP N83 311836
RD-5-7847-0P	ABP N83 307485
RD-5-7964-0P	ABP N83 325022
RD-5-7966-0P	ABP N83 311258
RD-5-7967-0P	ABP N83 311260
RD-5-7982-0P	ABP N83 305027
RD-5-7987-0P	ABP N83 305026
RD-5-7999-0P	ABP N83 327830
RD-5-8008-0P	ABP N83 319414
RD-5-8009-0P	ABP N83 303007
RD-5-8010-0P	ABP N83 305410
RD-5-8012-0P	ABP N83 325049
RD-5-8016-0P	ABP N83 301361
RD-5-8017-0P	ABP N83 311950
RD-5-8026-0P	ABP N83 318174

RED DOT	
RD-5-8029-0P	ABP N83 301055
RD-5-8032-0P	ABP N83 301352
RD-5-8034-0P	ABP N83 324445
RD-5-8039-0M	ABP N83 326058
RD-5-8058-0P	ABP N83 310490
RD-5-8060-1P	ABP G83 304165
RD-5-8061-1P	ABP N83 304175
RD-5-8062-0P	ABP N83 326053
RD-5-8073-24P	ABP N83 301038
RD-5-8075-0P	ABP N83 316140
RD-5-8076-0P	ABP N83 328241
RD-5-8076-1P	ABP N83 328425
RD-5-8078-0P	ABP N83 328207
RD-5-8079-0P	ABP N83 328211
RD-5-8083-0P	ABP N83 324043
RD-5-8092-0P	ABP N83 302152
RD-5-8092-1P	ABP N83 302162
RD-5-8100-0P	ABP N83 308371
RD-5-8105-0P	ABP N83 328222
RD-5-8106-0P	ABP N83 328254
RD-5-8126-0P	ABP N83 301342
RD-5-8134-0P	ABP N83 316175
RD-5-8135-0P	ABP N83 324575
RD-5-8184-0P	ABP N83 305905
RD-5-8193-2P	ABP N83 324073
RD-5-8195-0P	ABP N83 310430
RD-5-8203-0P	ABP N83 301331
RD-5-8204-0P	ABP N83 301121
RD-5-8210-0P	ABP N83 320330
RD-5-8212-0P	ABP N83 301461
RD-5-8218-0P	ABP N83 318160
RD-5-8219-0P	ABP N83 318184
RD-5-8220-0P	ABP N83 318170
RD-5-8234-0P	ABP N83 311766
RD-5-8235-0P	ABP N83 311798
RD-5-8236-0P	ABP N83 311000
RD-5-8237-0P	ABP N83 311512
RD-5-8240-0P	ABP N83 319632
RD-5-8240-1P	ABP N83 319633
RD-5-8241-0P	ABP N83 319504
RD-5-8254-0P	ABP N83 319028
RD-5-8255-0P	ABP N83 301043
RD-5-8256-0P	ABP N83 322067
RD-5-8257-0P	ABP N83 323065
RD-5-8261-0P	ABP N83 311542
RD-5-8262-0P	ABP N83 311848

RED DOT	
RD-5-8263-0P	ABP N83 311562
RD-5-8264-0P	ABP N83 311552
RD-5-8265-0P	ABP N83 311980
RD-5-8266-0P	ABP N83 311762
RD-5-8267-0P	ABP N83 311706
RD-5-8268-0P	ABP N83 311758
RD-5-8269-0P	ABP N83 311561
RD-5-8270-0P	ABP N83 311532
RD-5-8271-0P	ABP N83 310516
RD-5-8272-0P	ABP N83 311808
RD-5-8273-0P	ABP N83 311970
RD-5-8274-0P	ABP N83 311786
RD-5-8275-0P	ABP N83 311696
RD-5-8276-0P	ABP N83 311846
RD-5-8277-0P	ABP N83 311818
RD-5-8278-0P	ABP N83 311681
RD-5-8279-0P	ABP N83 311776
RD-5-8280-0P	ABP N83 311828
RD-5-8281-0P	ABP N83 311592
RD-5-8282-0P	ABP N83 310502
RD-5-8283-0P	ABP N83 311856
RD-5-8284-0P	ABP N83 311908
RD-5-8285-0P	ABP N83 310416
RD-5-8286-0P	ABP N83 310426
RD-5-8287-0P	ABP N83 318180
RD-5-8288-0P	ABP N83 318190
RD-5-8289-0P	ABP N83 318200
RD-5-8291-0P	ABP N83 327660
RD-5-8292-0M	ABP N83 314201
RD-5-8293-0M	ABP N83 314202
RD-5-8308-0P	ABP N83 301063
RD-5-8315-0P	ABP N83 322222
RD-5-8329-0P	ABP N83 314205
RD-5-8334-0M	ABP N83 305500
RD-5-8335-0P	ABP N83 305575
RD-5-8336-0P	ABP N83 305585
RD-5-8337-0P	ABP N83 305550
RD-5-8338-0P	ABP N83 305565
RD-5-8339-0P	ABP N83 305560
RD-5-8340-0P	ABP N83 305570
RD-5-8377-0P	ABP N83 323150
RD-5-8382-0P	ABP N83 303342
RD-5-8393-0P	ABP N83 310450
RD-5-8402-0P	ABP N83 305900
RD-5-8405-0P	ABP N83 311434
RD-5-8433-0P	ABP N83 318229

RED DOT	
RD-5-8436-0P	ABP N83 317047
RD-5-8459-0P	ABP N83 322580
RD-5-8462-0P	ABP N83 311024
RD-5-8463-0P	ABP N83 310418
RD-5-8490-0P	ABP N83 320220
RD-5-8509-0P	ABP N83 322233
RD-5-8526-1P	ABP N83 301254
RD-5-8537-0P	ABP N83 311826
RD-5-8538-0P	ABP N83 311898
RD-5-8559-0P	ABP N83 301158
RD-5-8582-0P	ABP N83 328235
RD-5-8582-1P	ABP N83 328353
RD-5-8583-0P	ABP N83 301250
RD-5-8583-1P	ABP N83 301266
RD-5-8605-1P	ABP N83 319107
RD-5-8618-0P	ABP N83 302041
RD-5-8627-5P	ABP N83 301187
RD-5-8627-6P	ABP N83 301160
RD-5-8631-2P	ABP N83 301016
RD-5-8631-3P	ABP N83 301044
RD-5-8637-0P	ABP N83 304081
RD-5-8637-1P	ABP N83 304081T
RD-5-8638-0P	ABP N83 304031
RD-5-8654-0P	ABP N83 316130
RD-5-8654-1P	ABP N83 316120
RD-5-8654-2P	ABP N83 316125
RD-5-8665-0P	ABP N83 321380
RD-5-8668-0P	ABP N83 328227
RD-5-8673-0P	ABP N83 316115
RD-5-8680-0P	ABP N83 304443
RD-5-8680-1P	ABP N83 304443Q
RD-5-8703-2P	ABP N83 301006
RD-5-8703-3P	ABP N83 301156
RD-5-8709-0P	ABP N83 301053
RD-5-8747-4P	ABP N83 301153
RD-5-8747-5P	ABP N83 301154
RD-5-8759-1P	ABP N83 301907
RD-5-8766-0P	ABP N83 304609
RD-5-8767-0P	ABP N83 304619
RD-5-8771-0P	ABP N83 322425
RD-5-8772-0P	ABP N83 310406
RD-5-8773-0P	ABP N83 310408
RD-5-8774-0P	ABP N83 310410
RD-5-8785-2P	ABP N83 301957
RD-5-8785-5P	ABP N83 301958
RD-5-8791-0P	ABP N83 301429

RED DOT	
RD-5-8802-24P	ABP N83 309016
RD-5-8804-0P	ABP N83 324400
RD-5-8804-1P	ABP N83 324420
RD-5-8804-2P	ABP N83 324405
RD-5-8805-0P	ABP N83 301781
RD-5-8812-0P	ABP N83 316170
RD-5-8830-0P	ABP N83 322227
RD-5-8831-0P	ABP N83 322228
RD-5-8835-0P	ABP N83 301267
RD-5-8836-0P	ABP N83 301260
RD-5-8837-0P	ABP N83 301282
RD-5-8837-1P	ABP N83 301285
RD-5-8838-0P	ABP N83 301264
RD-5-8849-0M	ABP N83 314160
RD-5-8850-0P	ABP N83 314470
RD-5-8851-0P	ABP N83 314475
RD-5-8857-0P	ABP N83 324060
RD-5-8857-1P	ABP N83 324015
RD-5-8857-2P	ABP N83 324018
RD-5-8857-3P	ABP N83 324560
RD-5-8859-0P	ABP N83 324410
RD-5-8862-0P	ABP N83 319298
RD-5-8862-1P	ABP N83 319299
RD-5-8884-0P	ABP N83 304789
RD-5-8884-1P	ABP N83 304789Q
RD-5-8894-0P	ABP N83 324600
RD-5-8895-0P	ABP N83 327736
RD-5-8896-0P	ABP N83 327738
RD-5-8897-0P	ABP N83 327731
RD-5-8899-0P	ABP N83 310458
RD-5-8900-0P	ABP N83 310580
RD-5-8901-0P	ABP N83 310486
RD-5-8902-0P	ABP N83 310478
RD-5-8903-0P	ABP N83 310600
RD-5-8904-0P	ABP N83 310476
RD-5-8906-0P	ABP N83 310590
RD-5-8907-0P	ABP N83 310496
RD-5-8908-0P	ABP N83 310488
RD-5-8909-0P	ABP N83 310610
RD-5-8910-0P	ABP N83 310446
RD-5-8911-0P	ABP N83 310438
RD-5-8912-0P	ABP N83 310560
RD-5-8913-0P	ABP N83 310456
RD-5-8914-0P	ABP N83 310448
RD-5-8915-0P	ABP N83 310570
RD-5-8916-0P	ABP N83 310436

RED DOT	
RD-5-8917-0P	ABP N83 310428
RD-5-8918-0P	ABP N83 310550
RD-5-8919-0P	ABP N83 311466
RD-5-8920-0P	ABP N83 311698
RD-5-8921-0P	ABP N83 311960
RD-5-8922-0P	ABP N83 301073
RD-5-8923-0P	ABP N83 321360
RD-5-8926-0P	ABP N83 317100
RD-5-8928-0P	ABP N83 317105
RD-5-8935-0P	ABP N83 324430
RD-5-8936-0P	ABP N83 308141
RD-5-8938-0P	ABP N83 323050
RD-5-8939-0P	ABP N83 310412
RD-5-8940-0P	ABP N83 310422
RD-5-8941-0P	ABP N83 310512
RD-5-8943-0P	ABP N83 324425
RD-5-8944-0P	ABP N83 304039
RD-5-8944-1P	ABP N83 304039Q
RD-5-8945-0P	ABP N83 304412
RD-5-8946-0P	ABP N83 318209
RD-5-8947-0P	ABP N83 302171
RD-5-8948-0P	ABP N83 301147
RD-5-8950-0P	ABP N83 327732
RD-5-8951-0P	ABP N83 310520
RD-5-8952-0P	ABP N83 310522
RD-5-8955-0P	ABP N83 310530
RD-5-8956-0P	ABP N83 310540
RD-5-8957-0P	ABP N83 310510
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RD-5-8960-0P	ABP N83 325513
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PM249	ABP N83 301145
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SIEMENS	
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THOMAS BUILT	
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TRANS/AIR	
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TRANS/AIR	
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TRUCK AIR	
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01-0608	ABP N83 301147
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01-0814	ABP N83 301781
01-0814 / 01-0815	ABP N83 301025
01-1000	ABP N83 301072
01-1001	ABP N83 301072

TRUCK AIR	
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01-2004	ABP N83 301171
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TRUCK AIR	
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TRUCK AIR	
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02-3469	ABP N83 303491
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03-0803	ABP N83 304403
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03-3009	ABP N83 304162
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03-3334E	ABP N83 304201

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TRUCK AIR	
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TRUCK AIR	
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07-0207	ABP N83 319009
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07-0600A	ABP N83 319110
07-0601	ABP N83 319010
07-0602A	ABP N83 319290
07-0603	ABP N83 319020
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07-0603A	ABP N83 319020
07-0604	ABP N83 319084
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TRUCK AIR	
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08-3151	ABP N83 305105
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08-3349	ABP N83 305075
08-3350	ABP N83 305070
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TRUCK AIR	
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TRUCK AIR	
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TRUCK AIR	
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TRUCK AIR	
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10-2661	ABP N83 315160
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10-2665	ABP N83 315105
10-2666	ABP N83 315255
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10-2668	ABP N83 315210
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11-0812	ABP N83 318030

TRUCK AIR	
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11-2018	ABP N83 318094
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TRUCK AIR	
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12-3023A	ABP N83 308191
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16-6003	ABP N83 325511

TRUCK AIR	
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18-3075	ABP N83 327364
18-3076	ABP N83 327347
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TRUCK AIR	
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19-2618	ABP N83 322095
19-2619	ABP N83 318133
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19-2621	ABP N83 322090
19-2626	ABP N83 318123
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60032-5001	ABP N83 321060
60054-4401	ABP N83 323010
60054-4401	ABP N83 323228
60054-4421	ABP N83 323010
60303-3402	ABP N83 322965
60306-5002	ABP N83 316035
60501-3403	ABP N83 309081
60521-6010	ABP N83 303491
60522-6010	ABP N83 303397
61103-5007	ABP N83 303491
61104-0013	ABP N83 304292
61104-0029	ABP N83 304222

VOLVO	
61104-3411	ABP N83 304674
61104-3412	ABP N83 304182
61104-3417	ABP N83 304332
61104-3417	ABP N83 304684
61104-3420	ABP N83 304095
61104-3420	ABP N83 304594
61104-3423	ABP N83 304333
61104-3423	ABP N83 304953
61104-3426	ABP N83 304141
61104-3451	ABP N83 304201
61190-4409	ABP N83 303581
61506-3402	ABP N83 319047
61506-3402	ABP N83 319048
61506-3402	ABP N83 319268
61506-3402	ABP N83 319304
61506-3402	ABP N83 319564
61506-3404	ABP N83 319047
61506-3404	ABP N83 319048
61506-3404	ABP N83 319268
61506-3404	ABP N83 319304
61506-3404	ABP N83 319564
61506-3406	ABP N83 319314
61506-3406	ABP N83 319315

WESTERN STAR	
61590-3402	ABP N83 312036
61590-3403	ABP N83 312018
61590-3404	ABP N83 312010
61601-3406	ABP N83 313560
61619-3403	ABP N83 317019
677413	ABP N83 324215
72403-3402	ABP N83 322073
849601	ABP N83 301931
851402	ABP N83 301931
865236	ABP N83 301931
9040731	ABP N83 322390
9047119	ABP N83 322995
9047120	ABP N83 317020
9047994	ABP N83 310276
9047995	ABP N83 326016
97106-3406	ABP N83 327315
RD4427-24	ABP N83 323040
RD4430-0	ABP N83 323078
T210L-25073C	ABP N83 304101
V1110148	ABP N83 304292
V1110272	ABP N83 303282
V111051	ABP N83 303491

INDEX

ABP N83 301001	81, 82
ABP N83 301006	102, 103
ABP N83 301016	102, 103
ABP N83 301024	80, 83
ABP N83 301025	81, 83
ABP N83 301028	81, 83, 453
ABP N83 301030	82, 83, 453
ABP N83 301033	80, 83
ABP N83 301034	82, 83, 453, 463
ABP N83 301036	82, 83, 453, 463
ABP N83 301040	463
ABP N83 301042	93
ABP N83 301043	81, 83
ABP N83 301044	102, 103
ABP N83 301051	80, 83, 463
ABP N83 301052	93
ABP N83 301055	81, 84
ABP N83 301062	93
ABP N83 301072	93, 94, 455, 463
ABP N83 301073	81, 84
ABP N83 301083	80, 84, 453
ABP N83 301089	81, 84
ABP N83 301097	81, 84
ABP N83 301105	80, 84
ABP N83 301109	93, 94
ABP N83 301115	81, 85
ABP N83 301121	81, 85
ABP N83 301125	81, 85
ABP N83 301131	80, 85
ABP N83 301135	81, 85
ABP N83 301139	93, 94
ABP N83 301142	93, 94
ABP N83 301145	81, 85
ABP N83 301149	82, 85
ABP N83 301151	80, 86
ABP N83 301153	102, 103
ABP N83 301154	102, 103
ABP N83 301155	81, 86
ABP N83 301156	102, 103
ABP N83 301162	93, 94
ABP N83 301165	81, 86
ABP N83 301171	80, 86
ABP N83 301172	93, 94
ABP N83 301175	81, 86
ABP N83 301181	82, 86
ABP N83 301182	93, 94
ABP N83 301187	102, 103
ABP N83 301191	80, 86
ABP N83 301192	93, 94
ABP N83 301211	82, 86
ABP N83 301221	82, 86
ABP N83 301227	449
ABP N83 301237	97, 98
ABP N83 301245	97, 98
ABP N83 301247	97, 98
ABP N83 301250	97, 98, 101
ABP N83 301254	97, 98
ABP N83 301257	97, 98
ABP N83 301258	97, 98
ABP N83 301261	81, 87
ABP N83 301266	97, 99, 101
ABP N83 301267	97, 99, 101
ABP N83 301268	97, 99
ABP N83 301269	390
ABP N83 301270	97, 99
ABP N83 301271	81, 87
ABP N83 301274	100
ABP N83 301275	80, 87
ABP N83 301277	102, 104
ABP N83 301281	81, 87
ABP N83 301291	81, 87
ABP N83 301304	87
ABP N83 301305	87
ABP N83 301306	88
ABP N83 301307	80, 88
ABP N83 301311	82, 88
ABP N83 301312	93, 95
ABP N83 301315	97, 100
ABP N83 301317	80, 88
ABP N83 301321	82, 88
ABP N83 301322	93, 95, 455
ABP N83 301327	80, 88
ABP N83 301331	80, 88
ABP N83 301332	93, 95, 455
ABP N83 301341	82, 88
ABP N83 301342	93, 95, 455, 463
ABP N83 301351	82, 89
ABP N83 301352	93, 95
ABP N83 301362	93, 95, 455, 463
ABP N83 301368	93, 95, 455, 463
ABP N83 301372	93, 96
ABP N83 301391	82
ABP N83 301411	81, 89, 453, 463
ABP N83 301419	390, 452
ABP N83 301421	81, 89
ABP N83 301429	390

ABP N83 301431	80, 89
ABP N83 301432	375
ABP N83 301439	390
ABP N83 301449	390
ABP N83 301459	390, 452
ABP N83 301537	97, 100, 101
ABP N83 301561	81, 89
ABP N83 301567	97, 100, 101
ABP N83 301761	81, 90
ABP N83 301771	80, 90
ABP N83 301791	82, 90
ABP N83 301801	82, 90
ABP N83 301821	81, 90
ABP N83 301831	81, 90
ABP N83 301841	80
ABP N83 301877	81, 90
ABP N83 301881	80, 91, 454, 463
ABP N83 301886	81
ABP N83 301891	81, 91
ABP N83 301901	80, 91, 454
ABP N83 301907	102, 104, 457
ABP N83 301911	80, 91, 454, 463
ABP N83 301921	80, 91, 454, 463
ABP N83 301931	80, 91
ABP N83 301941	80, 91
ABP N83 301957	102, 104
ABP N83 301967	102, 104, 105, 457
ABP N83 301969	457
ABP N83 301971	81, 91
ABP N83 301981	80, 91
ABP N83 301987	80, 92
ABP N83 302002	108
ABP N83 302003	106
ABP N83 302006	106
ABP N83 302013	106, 107
ABP N83 302021	106, 107
ABP N83 302022	108
ABP N83 302032	108
ABP N83 302041	106, 107
ABP N83 302051	106, 107
ABP N83 302061	106, 107, 458, 463
ABP N83 302062	108
ABP N83 302072	108
ABP N83 302111	106, 107
ABP N83 302152	108
ABP N83 302162	108, 109
ABP N83 302171	106, 107
ABP N83 302172	108, 109, 458
ABP N83 302182	108, 109, 458, 463
ABP N83 302202	108, 109
ABP N83 302222	108, 109, 458, 463
ABP N83 302241	106, 107
ABP N83 302251	106, 107
ABP N83 302261	106, 107
ABP N83 302291	106, 107
ABP N83 303001	124, 125, 127-129
ABP N83 303002	124-131
ABP N83 303007	112, 113, 124-131
ABP N83 303011	112, 113, 124-131
ABP N83 303012	112, 113, 124-131
ABP N83 303021	128
ABP N83 303022	124, 129
ABP N83 303027	124, 125, 127, 129, 130
ABP N83 303037	130
ABP N83 303042	112, 113, 124-129
ABP N83 303051	112, 113, 124-131, 213
ABP N83 303057	124, 126, 130
ABP N83 303062	124, 125, 129, 130
ABP N83 303071	112, 113, 124-131
ABP N83 303082	112, 113, 124-131, 213
ABP N83 303112	112, 114, 124, 125, 127, 129, 130
ABP N83 303132	124, 125, 129
ABP N83 303142	112, 114, 124-130
ABP N83 303151	124-131
ABP N83 303157	118, 119, 124, 126, 128, 130, 164
ABP N83 303177	213, 214
ABP N83 303182	124, 125, 129
ABP N83 303187	112, 114, 124-130, 214
ABP N83 303192	124, 125, 129
ABP N83 303201	112, 114, 124, 125, 127, 129, 130
ABP N83 303202	124-131
ABP N83 303207	118, 119, 124, 127, 130, 166
ABP N83 303221	112, 115, 124-130
ABP N83 303231	118, 119, 124, 125, 129, 130
ABP N83 303232	118, 119, 130, 145, 152, 161, 166
ABP N83 303241	124, 125, 127-129
ABP N83 303252	112, 115, 124-131
ABP N83 303257	118, 119, 124-126, 130
ABP N83 303261	121, 122, 124-130, 194
ABP N83 303271	124, 125, 127, 128
ABP N83 303277	112, 115, 124-130, 213
ABP N83 303282	118, 119, 124-131, 159
ABP N83 303287	112, 115, 124-130, 213
ABP N83 303301	124, 125, 127, 129, 130
ABP N83 303302	118, 119, 124-127, 130, 155, 161
ABP N83 303307	112, 115, 124-130, 213

ABP N83 303311	127
ABP N83 303317	112, 124-127, 129, 130
ABP N83 303322	213, 214
ABP N83 303342	112, 115, 124-130
ABP N83 303347	121, 123, 198
ABP N83 303352	118, 119
ABP N83 303357	121, 122, 127, 130, 194, 198
ABP N83 303367	121, 122, 124, 126, 130, 196, 198
ABP N83 303371	121, 123-127, 130, 194, 196
ABP N83 303372	118
ABP N83 303377	121, 122, 126, 130, 196
ABP N83 303387	118, 120, 129, 130, 152, 159, 163, 164, 166
ABP N83 303397	118, 120, 124, 127, 130, 145, 152, 157, 159
ABP N83 303402	118, 120, 124, 166
ABP N83 303417	121, 123, 194, 200
ABP N83 303421	118, 120, 130, 213
ABP N83 303422	118, 120, 124, 127, 129, 130, 152, 161
ABP N83 303431	112, 115, 124-131
ABP N83 303432	112, 115, 124-126, 128-130
ABP N83 303441	124-126, 130, 131
ABP N83 303442	121, 123, 124, 126, 198
ABP N83 303452	121, 123, 126, 130, 196
ABP N83 303462	121, 122, 124, 126, 130, 194
ABP N83 303472	121, 122, 126, 130, 198
ABP N83 303482	118, 120, 124, 130, 163
ABP N83 303491	118, 120, 124-131, 155
ABP N83 303492	118, 120, 124, 129, 130, 152, 157, 161, 164
ABP N83 303532	112, 116, 124-128
ABP N83 303541	117, 124, 125, 128-131
ABP N83 303707	117, 124-128, 130, 131
ABP N83 303711	124-126, 128-131
ABP N83 303712	121, 122
ABP N83 303717	117, 124-128, 130, 131
ABP N83 303727	117, 124-128, 130, 131
ABP N83 303737	117, 124, 130
ABP N83 303767	118, 130
ABP N83 304004	143, 150, 152, 168
ABP N83 304005	213
ABP N83 304008	215
ABP N83 304014	143-145, 151, 152, 168
ABP N83 304015Q	194, 202
ABP N83 304019Q	194, 202
ABP N83 304024	143, 145, 151, 152, 168
ABP N83 304025Q	194, 202
ABP N83 304029Q	194, 202
ABP N83 304031	213
ABP N83 304034	143-145, 151, 152, 168
ABP N83 304039Q	194, 202
ABP N83 304043	151, 152, 168
ABP N83 304044	143-145, 151, 152, 168
ABP N83 304045Q	194, 202
ABP N83 304049Q	202
ABP N83 304053	151, 152, 168
ABP N83 304054	143-145, 151, 152, 168
ABP N83 304055	151, 152, 168
ABP N83 304063	150-152, 169
ABP N83 304064	143-145, 150, 152, 169
ABP N83 304065	150, 151
ABP N83 304071	214
ABP N83 304073	150-152, 169
ABP N83 304074	143-145, 150, 152, 169
ABP N83 304081	213
ABP N83 304083	150-152, 169
ABP N83 304084	143, 145, 151, 152, 169
ABP N83 304093	150-152, 169
ABP N83 304094	143, 145, 150, 152, 169
ABP N83 304095	151, 152, 169
ABP N83 304102	151, 155, 170
ABP N83 304102Q	194, 202
ABP N83 304103	150, 151, 155, 170
ABP N83 304104	143, 145, 151, 155, 170
ABP N83 304105	151, 155, 170
ABP N83 304113	151, 155, 170
ABP N83 304114	143-145, 151, 155, 170
ABP N83 304115	215
ABP N83 304122	150, 151, 155, 170
ABP N83 304125	151, 155, 170
ABP N83 304132	151, 155, 170
ABP N83 304134	155
ABP N83 304142	151, 155, 171
ABP N83 304142Q	194, 203
ABP N83 304154	151, 155
ABP N83 304163	150, 151, 155, 171
ABP N83 304163Q	191, 194, 203
ABP N83 304164	143, 144, 151, 155
ABP N83 304173	150, 151, 155, 171
ABP N83 304174	143, 144, 151, 155
ABP N83 304175	213
ABP N83 304183	151, 157, 171
ABP N83 304184	143, 144, 151, 157
ABP N83 304193	151, 157, 171
ABP N83 304194	143, 151, 157
ABP N83 304199	150, 157, 171
ABP N83 304213	151, 157, 171
ABP N83 304213Q	190, 203
ABP N83 304214	143, 151, 157

ABP N83 304224	143, 144, 151, 157
ABP N83 304234	143, 144, 150, 157, 171
ABP N83 304241	151, 157, 171
ABP N83 304241Q	191, 194, 203
ABP N83 304244	143, 144, 150, 157, 172
ABP N83 304249	194, 203
ABP N83 304252	151
ABP N83 304253	151, 157, 172
ABP N83 304259Q	194, 203
ABP N83 304263	151, 157, 172
ABP N83 304264	150, 151, 157, 172
ABP N83 304269Q	194, 204
ABP N83 304273	151, 157, 172
ABP N83 304279Q	194, 204
ABP N83 304283	151, 157, 172
ABP N83 304289Q	194, 204
ABP N83 304293	151, 157, 172
ABP N83 304294	151, 157, 172
ABP N83 304303	151, 157, 172
ABP N83 304304	151, 157, 173
ABP N83 304313	151, 157, 173
ABP N83 304314Q	190, 194, 204
ABP N83 304319Q	194, 204
ABP N83 304323	151, 157, 173
ABP N83 304324	150, 159, 173
ABP N83 304329Q	194, 204
ABP N83 304333	151, 159, 173
ABP N83 304334	151, 159, 173
ABP N83 304339Q	196, 204
ABP N83 304343	151, 159, 174
ABP N83 304344	151, 159, 174
ABP N83 304353	150, 151, 159, 174
ABP N83 304362	150, 151, 159, 175
ABP N83 304363Q	190, 196, 204
ABP N83 304364	151, 159, 175
ABP N83 304394	151, 159, 176
ABP N83 304403	151, 159, 176
ABP N83 304404	151, 159, 176
ABP N83 304409Q	196, 205
ABP N83 304413	151, 159, 176
ABP N83 304419Q	196, 205
ABP N83 304420Q	205
ABP N83 304422	151
ABP N83 304424	150, 151, 159, 176
ABP N83 304429Q	196, 205
ABP N83 304432	151, 159, 176
ABP N83 304434	150, 159, 176
ABP N83 304437	150, 159, 161, 173
ABP N83 304439Q	196, 205
ABP N83 304442	143-145, 151, 161, 176
ABP N83 304443Q	196, 205
ABP N83 304444	150, 161, 177
ABP N83 304449Q	196, 205
ABP N83 304454	150, 161, 177
ABP N83 304458	150, 161, 175
ABP N83 304459Q	196, 205
ABP N83 304465	151, 161, 175
ABP N83 304469Q	196, 205
ABP N83 304474	150, 151, 161, 177
ABP N83 304479Q	196, 206
ABP N83 304481	150, 151, 161, 177
ABP N83 304481Q	191, 196, 206
ABP N83 304484	150, 151
ABP N83 304489Q	196, 206
ABP N83 304499Q	196, 206
ABP N83 304503	150, 161, 177
ABP N83 304504	150, 151, 163, 177
ABP N83 304509Q	196, 206
ABP N83 304519Q	196, 206
ABP N83 304524	151, 163, 178
ABP N83 304529Q	196, 206
ABP N83 304534	150, 163, 178
ABP N83 304539Q	196, 206
ABP N83 304543QS	192, 196, 207
ABP N83 304544	150, 151, 163, 178
ABP N83 304549Q	196, 207
ABP N83 304574	151, 163, 179
ABP N83 304574Q	190, 196, 207
ABP N83 304579Q	196, 207
ABP N83 304582	143, 145, 151, 163, 179
ABP N83 304584	151, 163, 179
ABP N83 304589Q	196, 207
ABP N83 304594	151, 163, 179
ABP N83 304599Q	196, 198, 207
ABP N83 304604	374, 378
ABP N83 304614	151
ABP N83 304622	151, 163, 179
ABP N83 304624	151, 163, 179
ABP N83 304624Q	190, 198, 208
ABP N83 304629Q	198, 208
ABP N83 304634	150, 151, 163, 179
ABP N83 304639Q	198, 208
ABP N83 304642	151, 163, 179
ABP N83 304649Q	198, 208
ABP N83 304652	151, 164, 180
ABP N83 304654	151, 164, 180

ABP N83 304664	151, 164, 180
ABP N83 304669Q	190
ABP N83 304672	151, 164, 180
ABP N83 304674	151, 164, 180
ABP N83 304682	150, 151, 164, 180
ABP N83 304689Q	198, 208
ABP N83 304699Q	198, 208
ABP N83 304709Q	198, 208
ABP N83 304714	150, 151, 164, 180
ABP N83 304719Q	198, 208
ABP N83 304721	150, 151, 164, 180
ABP N83 304739Q	198, 209
ABP N83 304741	150, 151, 164, 180
ABP N83 304741Q	191, 198, 209
ABP N83 304745	198, 209
ABP N83 304749Q	198, 209
ABP N83 304753	150, 151, 164, 181
ABP N83 304754Q	198, 209
ABP N83 304759Q	198, 209
ABP N83 304764	150, 164, 181
ABP N83 304769Q	198, 209
ABP N83 304773	150, 151, 164, 181
ABP N83 304774Q	198, 200, 210
ABP N83 304779Q	200, 210
ABP N83 304784Q	200, 210
ABP N83 304789Q	200, 210
ABP N83 304799Q	200, 210
ABP N83 304803	150, 164, 181
ABP N83 304823	150, 166, 181
ABP N83 304833	150, 151, 166, 181
ABP N83 304843	151, 166, 182
ABP N83 304853	151
ABP N83 304853Q	191, 200, 210
ABP N83 304863	166, 182
ABP N83 304869Q	200, 210
ABP N83 304873	151, 166, 182
ABP N83 304874Q	211
ABP N83 304883	151, 166, 182
ABP N83 304893	150, 151, 166, 182
ABP N83 304899Q	200, 211
ABP N83 304904Q	200, 211
ABP N83 304905	216, 217
ABP N83 304906	216, 217
ABP N83 304907	216, 217
ABP N83 304908	216, 217
ABP N83 304909	216, 217
ABP N83 304910	216, 217
ABP N83 304911	216, 217
ABP N83 304912	151, 166, 183
ABP N83 304913	151, 166, 183
ABP N83 304914	216, 217
ABP N83 304915	216, 217
ABP N83 304922	151, 166, 183
ABP N83 304953	151, 166, 183
ABP N83 304973	151, 166, 183
ABP N83 304983	166, 183
ABP N83 304992	166, 183
ABP N83 304993	150, 166, 183
ABP N83 304994	183
ABP N83 305005	125, 126
ABP N83 305010	225, 272, 333
ABP N83 305015	226
ABP N83 305020	226
ABP N83 305031	218
ABP N83 305032	218
ABP N83 305033	218
ABP N83 305045	436
ABP N83 305050	333
ABP N83 305055	225, 333
ABP N83 305070	219, 220
ABP N83 305080	219, 220
ABP N83 305095	219, 220
ABP N83 305105	219, 220
ABP N83 305125	219, 220, 224, 333
ABP N83 305225	219, 220
ABP N83 305227	219, 220
ABP N83 305228C	325, 327, 328
ABP N83 305232C	325, 327, 328
ABP N83 305242C	325, 327, 328
ABP N83 305252C	325, 327, 328
ABP N83 305256C	325
ABP N83 305262C	325, 327, 328
ABP N83 305272C	325, 327, 328
ABP N83 305285	219, 220
ABP N83 305320	219, 220
ABP N83 305335	219, 221
ABP N83 305400	219, 221
ABP N83 305405	219, 221
ABP N83 305440	226, 333
ABP N83 305455	142-145
ABP N83 305465	142-145
ABP N83 305475	142-145
ABP N83 305485	142-145
ABP N83 305495	142-145
ABP N83 305500	227, 333
ABP N83 305560	227

ABP N83 305565	227
ABP N83 305570	227
ABP N83 305580	227
ABP N83 305585	227
ABP N83 305625	226
ABP N83 305830	219, 221
ABP N83 305900	224, 333
ABP N83 305910	226, 333
ABP N83 305940	219, 221
ABP N83 305945	219, 221
ABP N83 305950	219, 221
ABP N83 305985	224
ABP N83 305986	224
ABP N83 305987	224
ABP N83 305988	224
ABP N83 305989	224
ABP N83 306000	231, 234
ABP N83 306003	232, 234
ABP N83 306005	231, 234
ABP N83 306006	231, 234
ABP N83 306007	231, 234
ABP N83 306010	232, 235
ABP N83 306014	231, 235
ABP N83 306015	233, 236
ABP N83 306016	231, 236
ABP N83 306018	231, 236
ABP N83 306022	232, 236
ABP N83 306025	232, 237
ABP N83 306030	233, 237
ABP N83 306035	231, 237
ABP N83 306045	231, 238
ABP N83 306050	231, 238
ABP N83 306055	232, 238
ABP N83 306110	232, 238
ABP N83 306120	233
ABP N83 306122	238
ABP N83 306130	231, 238
ABP N83 306135	233, 239
ABP N83 306160	233, 239
ABP N83 306175	231, 239
ABP N83 306180	231, 239
ABP N83 306185	232, 239
ABP N83 306235	231, 239
ABP N83 306240	232, 240
ABP N83 306260	233, 240
ABP N83 306270	231, 240
ABP N83 306300	232, 240
ABP N83 306305	232, 240
ABP N83 306322	232, 240
ABP N83 306324	231, 240
ABP N83 306332	232, 241
ABP N83 306334	232, 241
ABP N83 306336	233, 241
ABP N83 306337	232, 241
ABP N83 306350	231, 241
ABP N83 306355	231, 241
ABP N83 306360	231, 242
ABP N83 306365	232, 242
ABP N83 306370	231, 242
ABP N83 306390	231, 242
ABP N83 306400	233, 242
ABP N83 306405	233, 243
ABP N83 306410	231, 243
ABP N83 306420	232, 243
ABP N83 306500	232, 243
ABP N83 306510	232, 244
ABP N83 306515	233, 244
ABP N83 306520	233, 244
ABP N83 306525	233, 244
ABP N83 306530	233, 245
ABP N83 306535	233, 245
ABP N83 306540	233, 245
ABP N83 306545	233, 245
ABP N83 306550	232, 245
ABP N83 306575	232, 245
ABP N83 306590	233, 246
ABP N83 306595	233, 246
ABP N83 306605	233, 246
ABP N83 306610	233, 246
ABP N83 306620	233, 247
ABP N83 306805	231, 247
ABP N83 306820	231, 247
ABP N83 306825	231
ABP N83 306830	232, 247
ABP N83 306835	231, 247
ABP N83 306840	233, 247
ABP N83 306865	231, 248
ABP N83 306870	232, 248
ABP N83 306875	231, 248
ABP N83 306880	233, 248
ABP N83 306885	233, 248
ABP N83 306890	232, 248
ABP N83 306895	233, 249
ABP N83 306900	232, 249
ABP N83 306902	232, 249
ABP N83 306905	232, 249

ABP N83 306910	232, 249
ABP N83 306915	232, 249
ABP N83 307020	255, 256
ABP N83 307025	254, 256
ABP N83 307035	254, 256
ABP N83 307040	254, 256
ABP N83 307045	255, 256
ABP N83 307050	255, 256
ABP N83 307055	254, 256
ABP N83 307060	254, 256
ABP N83 307090	254, 256
ABP N83 307095	255, 256
ABP N83 307110	254, 256
ABP N83 307120	254, 256
ABP N83 307145	255, 256
ABP N83 307160	255, 256
ABP N83 307180	255, 256
ABP N83 307185	255, 256
ABP N83 307195	254, 257
ABP N83 307200	254, 257
ABP N83 307210	254, 257
ABP N83 307215	254, 257
ABP N83 307225	254, 257
ABP N83 307230	254, 257
ABP N83 307255	255, 257
ABP N83 307260	255, 257
ABP N83 307270	254, 257
ABP N83 307291	257
ABP N83 307297	255, 257
ABP N83 307298	255
ABP N83 307470	255, 258
ABP N83 307480	255, 258
ABP N83 307485	255, 258
ABP N83 307555	255, 258
ABP N83 307560	255, 258
ABP N83 307570	254, 258
ABP N83 307580	254, 258
ABP N83 307590	254, 258
ABP N83 307670	255, 259
ABP N83 307780	254, 259
ABP N83 308009	262, 263
ABP N83 308011	262, 263, 452
ABP N83 308014	263
ABP N83 308015	267
ABP N83 308017	268
ABP N83 308022	263
ABP N83 308027	268
ABP N83 308037	268
ABP N83 308047	268
ABP N83 308049	268
ABP N83 308057	268
ABP N83 308065	267
ABP N83 308067	268
ABP N83 308069	268
ABP N83 308071	262, 263
ABP N83 308077	268
ABP N83 308085	267, 452
ABP N83 308105	267
ABP N83 308107	262, 263
ABP N83 308115	267
ABP N83 308117	262, 263
ABP N83 308121	266
ABP N83 308125	262, 264
ABP N83 308135	267
ABP N83 308141	262, 264
ABP N83 308151	262, 264
ABP N83 308161	266
ABP N83 308165	266
ABP N83 308175	266
ABP N83 308185	266
ABP N83 308191	262, 264, 452
ABP N83 308195	266
ABP N83 308231	262, 264
ABP N83 308241	262, 264
ABP N83 308251	262, 264
ABP N83 308261	262, 264
ABP N83 308263	265
ABP N83 308281	262, 264
ABP N83 308291	262, 264
ABP N83 308301	262, 264
ABP N83 308331	267
ABP N83 308361	262, 265
ABP N83 308371	262, 265
ABP N83 308375	265
ABP N83 309006	270
ABP N83 309013	269, 456, 463
ABP N83 309014	269
ABP N83 309015	269, 456, 463
ABP N83 309071	269
ABP N83 309081	269
ABP N83 309101	270, 457, 463
ABP N83 309111	269
ABP N83 309121	270
ABP N83 309141	269, 456
ABP N83 309181	270
ABP N83 309281	270

ABP N83 309301	270
ABP N83 309311	456
ABP N83 310001	277
ABP N83 310010	305
ABP N83 310011	277
ABP N83 310013	277
ABP N83 310015	277
ABP N83 310021	277
ABP N83 310031	277
ABP N83 310051	277
ABP N83 310061	277
ABP N83 310071	277
ABP N83 310100	286, 301
ABP N83 310120	287, 300
ABP N83 310146	287, 300
ABP N83 310180	305
ABP N83 310188	305
ABP N83 310190	304
ABP N83 310198	304
ABP N83 310200	304
ABP N83 310206	305
ABP N83 310208	278
ABP N83 310210	304
ABP N83 310216	304
ABP N83 310226	305
ABP N83 310240	278
ABP N83 310242	278
ABP N83 310246	278
ABP N83 310270	308
ABP N83 310276	273
ABP N83 310278	305
ABP N83 310280	273
ABP N83 310286	273
ABP N83 310300C	315
ABP N83 310310C	318
ABP N83 310320C	319
ABP N83 310322C	322
ABP N83 310324C	322
ABP N83 310326C	322
ABP N83 310328C	322
ABP N83 310330C	322
ABP N83 310331	82, 92, 454
ABP N83 310332C	323
ABP N83 310334C	323
ABP N83 310336C	323
ABP N83 310338C	323
ABP N83 310340C	320
ABP N83 310342C	324
ABP N83 310346C	320
ABP N83 310348C	320
ABP N83 310350C	317
ABP N83 310356C	317
ABP N83 310358C	317
ABP N83 310360C	320
ABP N83 310406	307
ABP N83 310408	307
ABP N83 310410	307
ABP N83 310412	310
ABP N83 310416	308
ABP N83 310418	308
ABP N83 310420	308
ABP N83 310428	309
ABP N83 310430	308
ABP N83 310436	309
ABP N83 310440	308
ABP N83 310444	309
ABP N83 310448	310
ABP N83 310450	306
ABP N83 310454	310
ABP N83 310456	310
ABP N83 310458	310
ABP N83 310460	308
ABP N83 310464	310
ABP N83 310476	310
ABP N83 310478	310
ABP N83 310488	310
ABP N83 310496	310
ABP N83 310500	308
ABP N83 310501	291
ABP N83 310502	305
ABP N83 310504	309
ABP N83 310506	291
ABP N83 310508	291
ABP N83 310510	309
ABP N83 310512	309
ABP N83 310514	309
ABP N83 310516	302
ABP N83 310518	309
ABP N83 310520	309
ABP N83 310530	309
ABP N83 310540	309
ABP N83 310550	309
ABP N83 310560	309
ABP N83 310570	310
ABP N83 310580	310
ABP N83 310590	310

ABP N83 310600	310
ABP N83 310610	310
ABP N83 310612	306
ABP N83 310614	306
ABP N83 310616	306
ABP N83 310618	306
ABP N83 310622	306
ABP N83 310624	306
ABP N83 310690C	316
ABP N83 310692C	316
ABP N83 310694C	316
ABP N83 310696C	316
ABP N83 310698C	316
ABP N83 310700C	316, 327, 328
ABP N83 310701C	316
ABP N83 310702C	316
ABP N83 310706C	313
ABP N83 310708C	313, 327, 328
ABP N83 310711C	313
ABP N83 310712C	313, 327, 328
ABP N83 310716C	313
ABP N83 310718C	313, 327, 328
ABP N83 310721C	313, 327, 328
ABP N83 310722C	313, 327, 328
ABP N83 310726C	318, 327, 328
ABP N83 310728C	318
ABP N83 310731C	313, 327, 328
ABP N83 310732C	318
ABP N83 310736C	318
ABP N83 310738C	317
ABP N83 310741C	318, 327, 328
ABP N83 310746C	317
ABP N83 310748C	317, 327, 328
ABP N83 310751C	318, 327, 328
ABP N83 310752C	314, 327
ABP N83 310758C	327, 328
ABP N83 310762C	315, 327, 328
ABP N83 310766C	315, 327, 328
ABP N83 310768C	315, 327, 328
ABP N83 310771C	315, 327, 328
ABP N83 310772C	315
ABP N83 310776C	315, 327, 328
ABP N83 310778C	315, 327
ABP N83 310781C	315, 327, 328
ABP N83 310782C	316, 327
ABP N83 310784C	315
ABP N83 310786C	315
ABP N83 310788C	315
ABP N83 310791C	315
ABP N83 310792C	319
ABP N83 310796C	316, 327, 328
ABP N83 310798C	316, 327, 328
ABP N83 310801C	316, 327, 328
ABP N83 310806C	316, 327, 328
ABP N83 310808C	316, 327, 328
ABP N83 310811C	316, 327, 328
ABP N83 310816C	319, 327
ABP N83 310818C	319
ABP N83 310821C	319, 327, 328
ABP N83 310826C	319, 327, 328
ABP N83 310828C	319
ABP N83 310831C	319
ABP N83 310961	329, 418
ABP N83 310962	329, 418
ABP N83 310966	329, 418
ABP N83 310968	329, 418
ABP N83 310971	329, 418
ABP N83 310972	329, 418
ABP N83 310976	329, 418
ABP N83 310978	329, 418
ABP N83 310979	225, 329, 333, 418
ABP N83 310980	225, 329, 418
ABP N83 311021	278
ABP N83 311031	278
ABP N83 311041	278
ABP N83 311048	303
ABP N83 311050	303
ABP N83 311061	278
ABP N83 311062	303
ABP N83 311066	303
ABP N83 311071	278
ABP N83 311081	278
ABP N83 311082	282
ABP N83 311088	303
ABP N83 311091	278
ABP N83 311092	303
ABP N83 311096	290, 300
ABP N83 311112	219, 221
ABP N83 311116	286, 301
ABP N83 311118	285, 300
ABP N83 311122	303
ABP N83 311126	287, 300
ABP N83 311139	278
ABP N83 311142	282
ABP N83 311148	300
ABP N83 311152	281

ABP N83 311154	304
ABP N83 311162	303
ABP N83 311166	303
ABP N83 311170	300
ABP N83 311174	304
ABP N83 311181	273
ABP N83 311191	273
ABP N83 311192	281
ABP N83 311194	307
ABP N83 311200	303
ABP N83 311204	304
ABP N83 311206	281
ABP N83 311210	282
ABP N83 311212	297, 301
ABP N83 311214	307
ABP N83 311220C	313
ABP N83 311222	297, 301
ABP N83 311224	302
ABP N83 311228	282
ABP N83 311231	276, 383
ABP N83 311232	296, 301
ABP N83 311234	302
ABP N83 311236	282
ABP N83 311241	276, 383
ABP N83 311242	296, 301
ABP N83 311244	307
ABP N83 311246	304
ABP N83 311250	305
ABP N83 311252	296, 301
ABP N83 311254	302
ABP N83 311258	219, 221
ABP N83 311260	219, 221
ABP N83 311261	276, 383
ABP N83 311262	296, 301
ABP N83 311271	276, 383
ABP N83 311274	307
ABP N83 311276	303
ABP N83 311278	303
ABP N83 311280	303
ABP N83 311282	296, 301
ABP N83 311288	303
ABP N83 311292	297, 301
ABP N83 311300	282
ABP N83 311302	293, 300
ABP N83 311306	282
ABP N83 311308	282
ABP N83 311310	281
ABP N83 311312	290, 300
ABP N83 311314	303
ABP N83 311316	281
ABP N83 311318	281
ABP N83 311321	278
ABP N83 311322	284, 301
ABP N83 311331	279, 383
ABP N83 311332	294, 300
ABP N83 311342	294
ABP N83 311352	294, 301
ABP N83 311362	295, 301
ABP N83 311366	284, 300
ABP N83 311376	290, 300
ABP N83 311378	284, 301
ABP N83 311380	284, 300
ABP N83 311386	308
ABP N83 311390	284, 300
ABP N83 311396	279
ABP N83 311400	285, 300
ABP N83 311401	448
ABP N83 311404	305
ABP N83 311406	284, 301
ABP N83 311408	290, 301
ABP N83 311410	290, 300
ABP N83 311416	286, 301
ABP N83 311418	290, 300
ABP N83 311420	292, 301
ABP N83 311424	307
ABP N83 311426	286, 300
ABP N83 311428	286, 301
ABP N83 311430	291, 300
ABP N83 311438	286, 301
ABP N83 311440	292, 300
ABP N83 311446	285, 300
ABP N83 311448	287, 300
ABP N83 311456	294, 301
ABP N83 311458	287, 300
ABP N83 311460	279
ABP N83 311461	412
ABP N83 311466	309
ABP N83 311468	285, 300
ABP N83 311470	219, 221
ABP N83 311472	296, 301
ABP N83 311476	285, 300
ABP N83 311478	285, 301
ABP N83 311486	285, 301
ABP N83 311488	288, 300
ABP N83 311490	293, 300
ABP N83 311496	289, 300

ABP N83 311498	294, 300
ABP N83 311500	284, 301
ABP N83 311506	289, 300
ABP N83 311508	294, 301
ABP N83 311510	290, 300
ABP N83 311516	294, 300
ABP N83 311518	294, 301
ABP N83 311520	290, 300
ABP N83 311522	302, 309
ABP N83 311526	294, 301
ABP N83 311528	295, 301
ABP N83 311530	286, 301
ABP N83 311532	302
ABP N83 311536	302
ABP N83 311540	286, 301
ABP N83 311542	304
ABP N83 311546	295, 301
ABP N83 311550	286, 301
ABP N83 311552	304
ABP N83 311560	287, 300
ABP N83 311561	302
ABP N83 311562	304
ABP N83 311570	284, 301
ABP N83 311572	304
ABP N83 311582	305
ABP N83 311584	305
ABP N83 311590	285, 300
ABP N83 311591	304
ABP N83 311592	305
ABP N83 311600	285, 301
ABP N83 311601	304
ABP N83 311602	305
ABP N83 311604	305
ABP N83 311610	285, 301
ABP N83 311630	289, 301
ABP N83 311640	300
ABP N83 311650	288, 300
ABP N83 311660	288, 300
ABP N83 311670	288, 300
ABP N83 311676	305
ABP N83 311680	293, 300
ABP N83 311686	293, 300
ABP N83 311690	294, 300
ABP N83 311696	308
ABP N83 311698	309
ABP N83 311700	294, 300
ABP N83 311702	302
ABP N83 311704	302
ABP N83 311706	302
ABP N83 311710	294, 301
ABP N83 311716	304
ABP N83 311718	302
ABP N83 311720	294, 301
ABP N83 311722	302
ABP N83 311724	302
ABP N83 311726	282
ABP N83 311728	306
ABP N83 311730	294, 301
ABP N83 311734	302
ABP N83 311736	281
ABP N83 311738	305
ABP N83 311740	294, 301
ABP N83 311750	295, 301
ABP N83 311752	307
ABP N83 311758	302
ABP N83 311760	295, 301
ABP N83 311762	302
ABP N83 311768	282
ABP N83 311776	304
ABP N83 311778	281
ABP N83 311782	282
ABP N83 311786	302
ABP N83 311792	281
ABP N83 311794	302
ABP N83 311796	304
ABP N83 311806	304
ABP N83 311808	302
ABP N83 311818	304
ABP N83 311826	307
ABP N83 311828	304
ABP N83 311838	304
ABP N83 311846	308
ABP N83 311848	304
ABP N83 311856	308
ABP N83 311858	304
ABP N83 311888	305
ABP N83 311898	307
ABP N83 311907C	321, 327, 328
ABP N83 311908	308
ABP N83 311918	278
ABP N83 311926C	321, 327, 328
ABP N83 311931C	321, 327, 328
ABP N83 311932C	313
ABP N83 311936C	313
ABP N83 311938C	313
ABP N83 311941C	320

ABP N83 311942C	321
ABP N83 311943C	321
ABP N83 311944C	321
ABP N83 311945C	321
ABP N83 311946C	320
ABP N83 311948C	320
ABP N83 311950	305
ABP N83 311951C	315
ABP N83 311952C	321, 327, 328
ABP N83 311958C	314
ABP N83 311960	309
ABP N83 311961C	314
ABP N83 311962C	314
ABP N83 311964C	314
ABP N83 311966C	314
ABP N83 311968C	314
ABP N83 311970	302
ABP N83 311971C	318
ABP N83 311972C	314
ABP N83 311976C	318
ABP N83 311978C	318
ABP N83 311980	302
ABP N83 311988C	318
ABP N83 311990	282
ABP N83 311991	281
ABP N83 311998C	319
ABP N83 312036	280
ABP N83 312125	153, 155, 157, 159, 161, 163, 165, 167, 195, 197, 199, 201, 215, 272
ABP N83 312306	274
ABP N83 312308	274
ABP N83 312310	274
ABP N83 312312	274
ABP N83 312316	274
ABP N83 312318	274
ABP N83 312320	274
ABP N83 312322	274
ABP N83 312326	279
ABP N83 313100	283, 311, 331
ABP N83 313102	283, 311, 331
ABP N83 313103	283, 311, 331
ABP N83 313104	283, 311, 331
ABP N83 313106	283, 311, 331
ABP N83 313107	283, 311, 331
ABP N83 313118	283, 311, 331
ABP N83 313120	298, 331
ABP N83 313125	298, 331
ABP N83 313126	283, 311, 331
ABP N83 313130	298, 331
ABP N83 313135	298, 331
ABP N83 313220	298, 331
ABP N83 313225	298, 331
ABP N83 313230	298, 331
ABP N83 313235	298, 331
ABP N83 313300	278
ABP N83 313305	277
ABP N83 313308	330
ABP N83 313401	327-329
ABP N83 313402	327-329
ABP N83 313406	327-329
ABP N83 313408	327-329
ABP N83 313441	329
ABP N83 313442	329
ABP N83 313446	329
ABP N83 313448	329
ABP N83 313558	330, 348
ABP N83 313559	330, 348
ABP N83 313560	330, 348
ABP N83 313700	330
ABP N83 313701	330
ABP N83 313703	330, 462
ABP N83 313704	330
ABP N83 313705	330
ABP N83 313706	330
ABP N83 313901	330
ABP N83 313903	330, 348
ABP N83 313905	330, 348
ABP N83 314003	224, 280
ABP N83 314004	224, 280
ABP N83 314091	225, 333
ABP N83 314105	224, 280
ABP N83 314115	277
ABP N83 314125	273
ABP N83 314146	224
ABP N83 314147	224, 280
ABP N83 314165	273
ABP N83 314181	219, 222, 223, 332
ABP N83 314182	223, 332
ABP N83 314183	219, 222, 223, 332
ABP N83 314201	333
ABP N83 314202	333
ABP N83 314205	424
ABP N83 314215	225, 333
ABP N83 314240	223, 332
ABP N83 314260	223, 332
ABP N83 314285	219, 222

ABP N83 314300	219, 222
ABP N83 314310	332
ABP N83 314400	333
ABP N83 314470	223, 332
ABP N83 314475	223, 332
ABP N83 314485	223, 332
ABP N83 314495	223, 332
ABP N83 315015	336, 338
ABP N83 315021	337
ABP N83 315022	336, 338
ABP N83 315023	336, 338
ABP N83 315055	336, 338
ABP N83 315075	337, 338
ABP N83 315085	336, 338
ABP N83 315095	337, 338
ABP N83 315100	337, 338
ABP N83 315105	336, 338
ABP N83 315110	337, 338
ABP N83 315115	336, 338
ABP N83 315120	336, 339
ABP N83 315125	336, 339
ABP N83 315130	336, 339
ABP N83 315135	336, 339
ABP N83 315140	337, 339
ABP N83 315160	337, 339
ABP N83 315170	337, 339
ABP N83 315175	336, 339
ABP N83 315180	336, 339
ABP N83 315185	336, 339
ABP N83 315195	336, 339
ABP N83 315205	337, 339
ABP N83 315210	337, 339
ABP N83 315220	336, 339
ABP N83 315225	337, 339
ABP N83 315240	337, 340
ABP N83 315245	337, 340
ABP N83 315250	336, 340
ABP N83 315260	337, 340
ABP N83 315270	337, 340
ABP N83 315275	337, 340
ABP N83 315295	336, 340
ABP N83 315350	337, 340
ABP N83 315395	336, 340
ABP N83 315430	336, 341
ABP N83 315480	337, 341
ABP N83 315490	336, 341
ABP N83 315500	336, 341
ABP N83 315510	337, 341
ABP N83 315535	337, 341, 459, 463
ABP N83 315560	337, 342, 459, 463
ABP N83 315570	337, 342, 459
ABP N83 315575	337, 342, 459, 463
ABP N83 315640	336, 342
ABP N83 316005	345
ABP N83 316010	344
ABP N83 316035	402, 403, 405
ABP N83 316040	403
ABP N83 316050	403, 405, 414
ABP N83 316055	395, 396, 403
ABP N83 316115	403
ABP N83 316120	403
ABP N83 316125	403
ABP N83 316130	403, 414
ABP N83 316140	403
ABP N83 316170	403
ABP N83 316175	403, 413
ABP N83 316180	403
ABP N83 317001	344
ABP N83 317002	344
ABP N83 317006	344
ABP N83 317011	344
ABP N83 317013	344
ABP N83 317014	344
ABP N83 317016	344
ABP N83 317017	344
ABP N83 317018	345
ABP N83 317019	345
ABP N83 317020	344
ABP N83 317021	344
ABP N83 317022	344
ABP N83 317024	345
ABP N83 317025	345, 346
ABP N83 317026	345
ABP N83 317027	345
ABP N83 317028	345
ABP N83 317036	345
ABP N83 317040	345
ABP N83 317042	345
ABP N83 317044	346
ABP N83 317045	346
ABP N83 317046	346
ABP N83 317052	346
ABP N83 317054	346
ABP N83 317055	346
ABP N83 317056	346
ABP N83 317057	346

ABP N83 317059	346
ABP N83 317061	347
ABP N83 317062	347
ABP N83 317065	347, 448, 449
ABP N83 317080	345
ABP N83 317100	347
ABP N83 317105	347
ABP N83 317120	345
ABP N83 317550	345
ABP N83 317560	347
ABP N83 317570	347
ABP N83 317580	347
ABP N83 317590	347
ABP N83 318001	350, 355
ABP N83 318009	368
ABP N83 318013	369
ABP N83 318014	366
ABP N83 318017	354
ABP N83 318030	350, 351
ABP N83 318040	350, 351
ABP N83 318048	359, 360
ABP N83 318050	350, 351
ABP N83 318060	350, 351
ABP N83 318064	350, 353
ABP N83 318070	350, 351
ABP N83 318074	350, 353
ABP N83 318079	367
ABP N83 318083	370
ABP N83 318084	350, 353
ABP N83 318088	350, 353
ABP N83 318089	367
ABP N83 318094	350, 353
ABP N83 318099	366
ABP N83 318104	350, 353
ABP N83 318109	366
ABP N83 318113	370
ABP N83 318123	370
ABP N83 318131	368
ABP N83 318133	370
ABP N83 318138	359, 360
ABP N83 318149	368
ABP N83 318155	350
ABP N83 318158	350, 353
ABP N83 318160	350, 351, 355
ABP N83 318170	350, 351
ABP N83 318174	350, 353
ABP N83 318178	366
ABP N83 318180	350, 352
ABP N83 318183	370
ABP N83 318184	350, 354
ABP N83 318189	367
ABP N83 318190	350, 352
ABP N83 318200	350, 352
ABP N83 318209	350, 354
ABP N83 318214	350, 354
ABP N83 318224	350, 354
ABP N83 318228	359, 360
ABP N83 318234	350, 354
ABP N83 318238	364
ABP N83 318240	350, 352
ABP N83 318248	358
ABP N83 318250	350, 352
ABP N83 318278	363
ABP N83 318602	356
ABP N83 318604	356
ABP N83 318608	356
ABP N83 318618	356, 357
ABP N83 318628	356, 357
ABP N83 318638	356, 357
ABP N83 318648	356, 357
ABP N83 318678	356, 357
ABP N83 318708	363
ABP N83 318718	359, 360
ABP N83 318728	359, 360
ABP N83 318748	359, 361
ABP N83 318768	359-361
ABP N83 318778	359, 361
ABP N83 318788	359, 361
ABP N83 318798	359, 361
ABP N83 318818	359-361
ABP N83 318828	359, 361
ABP N83 318848	359-361
ABP N83 318858	359-361
ABP N83 318868	359-361
ABP N83 318888	359, 361
ABP N83 318898	359, 360
ABP N83 318908	359, 361
ABP N83 318918	359, 362
ABP N83 318927	364
ABP N83 318928	359, 360, 362
ABP N83 318937	365
ABP N83 318948	365
ABP N83 318957	365
ABP N83 318958	362
ABP N83 318967	365
ABP N83 318977	364

ABP N83 318987	364
ABP N83 318997	364
ABP N83 319001	377
ABP N83 319002	377
ABP N83 319003	377
ABP N83 319004	374, 378
ABP N83 319008	383
ABP N83 319009	383, 384
ABP N83 319010	374, 378
ABP N83 319011	377
ABP N83 319012	375
ABP N83 319014	374, 378
ABP N83 319015	378
ABP N83 319027	375, 378
ABP N83 319028	375
ABP N83 319041	385
ABP N83 319044	374, 378
ABP N83 319047	378
ABP N83 319048	375
ABP N83 319064	374, 378
ABP N83 319068	383
ABP N83 319072	385
ABP N83 319074	374, 378
ABP N83 319100	374, 377
ABP N83 319104	376
ABP N83 319105	378
ABP N83 319107	377
ABP N83 319110	374, 378
ABP N83 319114	376, 378
ABP N83 319119	384, 385
ABP N83 319120	375
ABP N83 319121	378
ABP N83 319124	376
ABP N83 319130	374, 378
ABP N83 319135	374, 377
ABP N83 319144	374, 378
ABP N83 319155	374
ABP N83 319156	375, 379
ABP N83 319157	375, 379
ABP N83 319159	377, 384, 385
ABP N83 319160	376
ABP N83 319161	375, 379
ABP N83 319162	375, 379
ABP N83 319168	383, 384
ABP N83 319174	375
ABP N83 319179	379
ABP N83 319190	375, 379
ABP N83 319200	374, 379
ABP N83 319210	374
ABP N83 319211	379
ABP N83 319220	374, 379
ABP N83 319229	384
ABP N83 319230	374
ABP N83 319248	374, 379
ABP N83 319249	384
ABP N83 319250	375, 379
ABP N83 319254	374
ABP N83 319255	379
ABP N83 319263	379
ABP N83 319269	384, 385
ABP N83 319270	374
ABP N83 319271	379
ABP N83 319277	379
ABP N83 319287	379
ABP N83 319289	374, 380
ABP N83 319291	374, 380
ABP N83 319294	374
ABP N83 319295	380
ABP N83 319298	376
ABP N83 319299	377
ABP N83 319304	374
ABP N83 319305	380
ABP N83 319309	384, 385
ABP N83 319310	374, 380
ABP N83 319314	375
ABP N83 319315	375, 380
ABP N83 319316	374, 380
ABP N83 319330	374, 380
ABP N83 319344	376
ABP N83 319345	380
ABP N83 319350	376
ABP N83 319351	380
ABP N83 319394	375
ABP N83 319395	375, 380
ABP N83 319504	375
ABP N83 319505	375, 380
ABP N83 319514	374, 380
ABP N83 319553	380
ABP N83 319554	376
ABP N83 319564	374
ABP N83 319565	380
ABP N83 319568	374
ABP N83 319574	376
ABP N83 319575	381
ABP N83 319584	376, 381
ABP N83 319614	375

ABP N83 319615	375, 381
ABP N83 319624	375
ABP N83 319625	375, 381
ABP N83 319632	375
ABP N83 319633	381
ABP N83 319634	374
ABP N83 319635	381
ABP N83 319644	375
ABP N83 319650	376
ABP N83 319651	381
ABP N83 319654	375
ABP N83 319661	381
ABP N83 319665	375, 381
ABP N83 319670	374
ABP N83 319671	374, 381
ABP N83 319674	376, 381
ABP N83 319680	375, 381
ABP N83 319684	374, 381
ABP N83 319685	374, 381
ABP N83 319690	374
ABP N83 319694	374
ABP N83 319695	374, 381
ABP N83 319714	375
ABP N83 319715	375, 382
ABP N83 319724	375
ABP N83 319725	382
ABP N83 319734	375
ABP N83 319735	375, 382
ABP N83 319740	385
ABP N83 319744	376
ABP N83 319745	376, 382
ABP N83 319755	382
ABP N83 319910	375
ABP N83 319915	375
ABP N83 319925	382
ABP N83 319949	385
ABP N83 319951	386
ABP N83 320050	400
ABP N83 320052	400
ABP N83 320055	400
ABP N83 320060	400
ABP N83 320062	400
ABP N83 320065	400
ABP N83 320090	389
ABP N83 320110	224, 280
ABP N83 320120	389
ABP N83 320140	388
ABP N83 320150	388
ABP N83 320155	388
ABP N83 320160	388
ABP N83 320170	388
ABP N83 320220	389
ABP N83 320280	388
ABP N83 320290	388
ABP N83 320330	388
ABP N83 321005	391
ABP N83 321060	391
ABP N83 321080	393
ABP N83 321100	393
ABP N83 321200	391
ABP N83 321201	391
ABP N83 321220	97, 98, 100, 101
ABP N83 321250	391
ABP N83 321260	391
ABP N83 321270	391
ABP N83 321280	391
ABP N83 321300	391
ABP N83 321310	391, 392
ABP N83 321350	391, 392
ABP N83 321360	225, 391, 392
ABP N83 321380	393
ABP N83 322000	394, 395
ABP N83 322003	394, 395
ABP N83 322005	394, 395
ABP N83 322013	394, 395
ABP N83 322022	401
ABP N83 322055	394, 395
ABP N83 322060	394, 395
ABP N83 322067	394, 396
ABP N83 322070	369
ABP N83 322073	369
ABP N83 322075	369
ABP N83 322077	369
ABP N83 322090	369
ABP N83 322095	369
ABP N83 322100	369
ABP N83 322105	401
ABP N83 322113	394, 396
ABP N83 322125	369
ABP N83 322150	401
ABP N83 322152	401
ABP N83 322165	369
ABP N83 322170	394, 396
ABP N83 322175	368
ABP N83 322180	398
ABP N83 322185	394, 396

ABP N83 322190	401
ABP N83 322195	369
ABP N83 322205	398
ABP N83 322215	398
ABP N83 322222	398
ABP N83 322223	398
ABP N83 322224	398
ABP N83 322227	398, 399
ABP N83 322235	389
ABP N83 322240	394, 396
ABP N83 322250	350, 354
ABP N83 322255	350, 352, 355
ABP N83 322260	350, 352
ABP N83 322270	366
ABP N83 322275	394, 396
ABP N83 322303	368
ABP N83 322320	398, 399
ABP N83 322325	398, 399
ABP N83 322335	403
ABP N83 322340	394, 396
ABP N83 322345	394, 396
ABP N83 322350	394, 396
ABP N83 322355	394, 396
ABP N83 322375	394, 397
ABP N83 322385	369
ABP N83 322390	369
ABP N83 322395	369
ABP N83 322425	401, 402
ABP N83 322435	389
ABP N83 322580	403
ABP N83 322631	394, 397
ABP N83 322671	355
ABP N83 322700	403
ABP N83 322860	273
ABP N83 322925	389
ABP N83 322926	389
ABP N83 323000	404, 406
ABP N83 323010	404, 406
ABP N83 323014	404, 405
ABP N83 323024	404, 405
ABP N83 323034	404, 405
ABP N83 323040	404, 406
ABP N83 323050	404, 406
ABP N83 323063	401, 402
ABP N83 323088	404, 405
ABP N83 323098	404, 405
ABP N83 323108	404, 405
ABP N83 323110	404, 406
ABP N83 323118	404, 405
ABP N83 323120	404, 406
ABP N83 323138	404, 405
ABP N83 323148	401, 402
ABP N83 323150	404, 406
ABP N83 323228	404, 406
ABP N83 323238	404, 405
ABP N83 324003	410
ABP N83 324005	409
ABP N83 324010	408
ABP N83 324013	410
ABP N83 324015	412
ABP N83 324023	410
ABP N83 324025	408
ABP N83 324027	390
ABP N83 324028	390
ABP N83 324030	390, 409
ABP N83 324033	410
ABP N83 324043	410
ABP N83 324050	408
ABP N83 324060	412
ABP N83 324065	408
ABP N83 324070	409
ABP N83 324073	409
ABP N83 324080	409
ABP N83 324085	345
ABP N83 324120	408
ABP N83 324145	410
ABP N83 324215	408
ABP N83 324400	412
ABP N83 324410	412
ABP N83 324420	412
ABP N83 324445	408
ABP N83 324450	409
ABP N83 324452	409
ABP N83 324460	219, 222
ABP N83 324465	219, 222
ABP N83 324520	410, 452, 463
ABP N83 324545	403, 413
ABP N83 324550	411
ABP N83 324555	411
ABP N83 324560	412
ABP N83 324575	413
ABP N83 324600	411
ABP N83 324605	413
ABP N83 324610	408
ABP N83 324620	411
ABP N83 325021	434

ABP N83 325022	223, 332
ABP N83 325034	445, 448
ABP N83 325035	445, 448, 449
ABP N83 325036	445, 448, 449
ABP N83 325047	124, 226
ABP N83 325120	227
ABP N83 325121	227
ABP N83 325124	226
ABP N83 325128	251
ABP N83 325141	348
ABP N83 325142	232, 250
ABP N83 325143	251
ABP N83 325166	226
ABP N83 325172	223, 332
ABP N83 325173	223, 332
ABP N83 325174	223, 332
ABP N83 325175	223, 332
ABP N83 325177	272
ABP N83 325178	272
ABP N83 325179	272
ABP N83 325181	272
ABP N83 325195	275
ABP N83 325196	274
ABP N83 325197	275, 432
ABP N83 325225	327
ABP N83 325230	328
ABP N83 325407	390
ABP N83 325510	432
ABP N83 325903	274
ABP N83 326016	273
ABP N83 326024	429
ABP N83 326025	429
ABP N83 326027	429
ABP N83 326045	429
ABP N83 326050	431
ABP N83 326051	431
ABP N83 326052	431
ABP N83 326053	431
ABP N83 326055	431
ABP N83 326056	431
ABP N83 326057	431
ABP N83 327070	434
ABP N83 327075	430
ABP N83 327105	434
ABP N83 327107	434
ABP N83 327112	225, 332, 437
ABP N83 327157	312, 417
ABP N83 327177	312, 417
ABP N83 327280	437
ABP N83 327306	425, 429
ABP N83 327308	425, 429
ABP N83 327310	274
ABP N83 327315	416
ABP N83 327330	416
ABP N83 327346	414
ABP N83 327347	414
ABP N83 327348	414
ABP N83 327355	414
ABP N83 327361	414
ABP N83 327362	414
ABP N83 327363	414
ABP N83 327364	414
ABP N83 327366	414
ABP N83 327367	414
ABP N83 327372	414
ABP N83 327373	414
ABP N83 327408	419, 420
ABP N83 327425	420
ABP N83 327430	419, 420
ABP N83 327432	420
ABP N83 327435	419, 420
ABP N83 327440	421
ABP N83 327445	421, 438, 439
ABP N83 327450	421
ABP N83 327460	419, 435
ABP N83 327461	419, 435
ABP N83 327465	434
ABP N83 327480	424
ABP N83 327481	424
ABP N83 327482	424
ABP N83 327483	424
ABP N83 327484	424
ABP N83 327485	424
ABP N83 327486	424
ABP N83 327487	424
ABP N83 327488	424
ABP N83 327489	424
ABP N83 327490	424
ABP N83 327491	424
ABP N83 327492	428
ABP N83 327493	428
ABP N83 327495	428
ABP N83 327496	428
ABP N83 327497	428
ABP N83 327530	330
ABP N83 327535	330

ABP N83 327540	400
ABP N83 327541	400
ABP N83 327542	400
ABP N83 327543	400
ABP N83 327544	400
ABP N83 327545	400
ABP N83 327546	400
ABP N83 327555	422
ABP N83 327560	422
ABP N83 327573	430
ABP N83 327586	424
ABP N83 327606	299
ABP N83 327608	299
ABP N83 327610	299
ABP N83 327612	299
ABP N83 327615	422
ABP N83 327616	312, 417
ABP N83 327621	312, 417
ABP N83 327631	312, 417
ABP N83 327635	423
ABP N83 327640	423
ABP N83 327645	423
ABP N83 327655	423
ABP N83 327660	430
ABP N83 327721	417
ABP N83 327726	417
ABP N83 327728	417
ABP N83 327731	417
ABP N83 327736	417
ABP N83 327738	417
ABP N83 327750	423
ABP N83 327755	423
ABP N83 327760	423
ABP N83 327765	423
ABP N83 327835	414
ABP N83 327905	312, 417
ABP N83 327915	312, 417
ABP N83 327975	433
ABP N83 327976	433
ABP N83 327980	327, 329, 418
ABP N83 327981	326, 328, 329, 418
ABP N83 327982	326, 329, 418
ABP N83 327983	328, 329, 418
ABP N83 327990	329, 418
ABP N83 328123	438, 439
ABP N83 328125	438, 439, 460
ABP N83 328135	438, 439
ABP N83 328146	347
ABP N83 328175	438, 439
ABP N83 328204	460
ABP N83 328221	438, 440
ABP N83 328223	460
ABP N83 328235	438, 441
ABP N83 328247	460, 463
ABP N83 328255	440
ABP N83 328264	460
ABP N83 328273	438
ABP N83 328303	438, 440
ABP N83 328333	438, 440
ABP N83 328335	438, 440
ABP N83 328355	390
ABP N83 328375	438, 441
ABP N83 328383	438, 441
ABP N83 328393	438, 441, 460
ABP N83 328403	438, 442
ABP N83 328415	438, 442
ABP N83 328425	438, 442
ABP N83 328433	438, 442
ABP N83 328443	438, 442, 460
ABP N83 328455	438, 443, 461
ABP N83 328463	438, 443
ABP N83 328473	438, 443, 461
ABP N83 328475	438, 443, 461
ABP N83 328485	438, 443, 461
ABP N83 328503	446
ABP N83 328505	446, 461
ABP N83 328606	433, 436
ABP N83 328610	436
ABP N83 328612	419, 436
ABP N83 328719	448
ABP N83 328720	448
ABP N83 328721	448
RDH RD1 2358 0	462
RDH RD1 2379 0	462
RDH RD1 2393 0	462
RDH RD1 2407 0	462
RDH RD5 10795 0	462
RDH RD5 10867 0	462
RDH RD5 10962 0	462

NOTES

NOTES

NOTES

NOTES

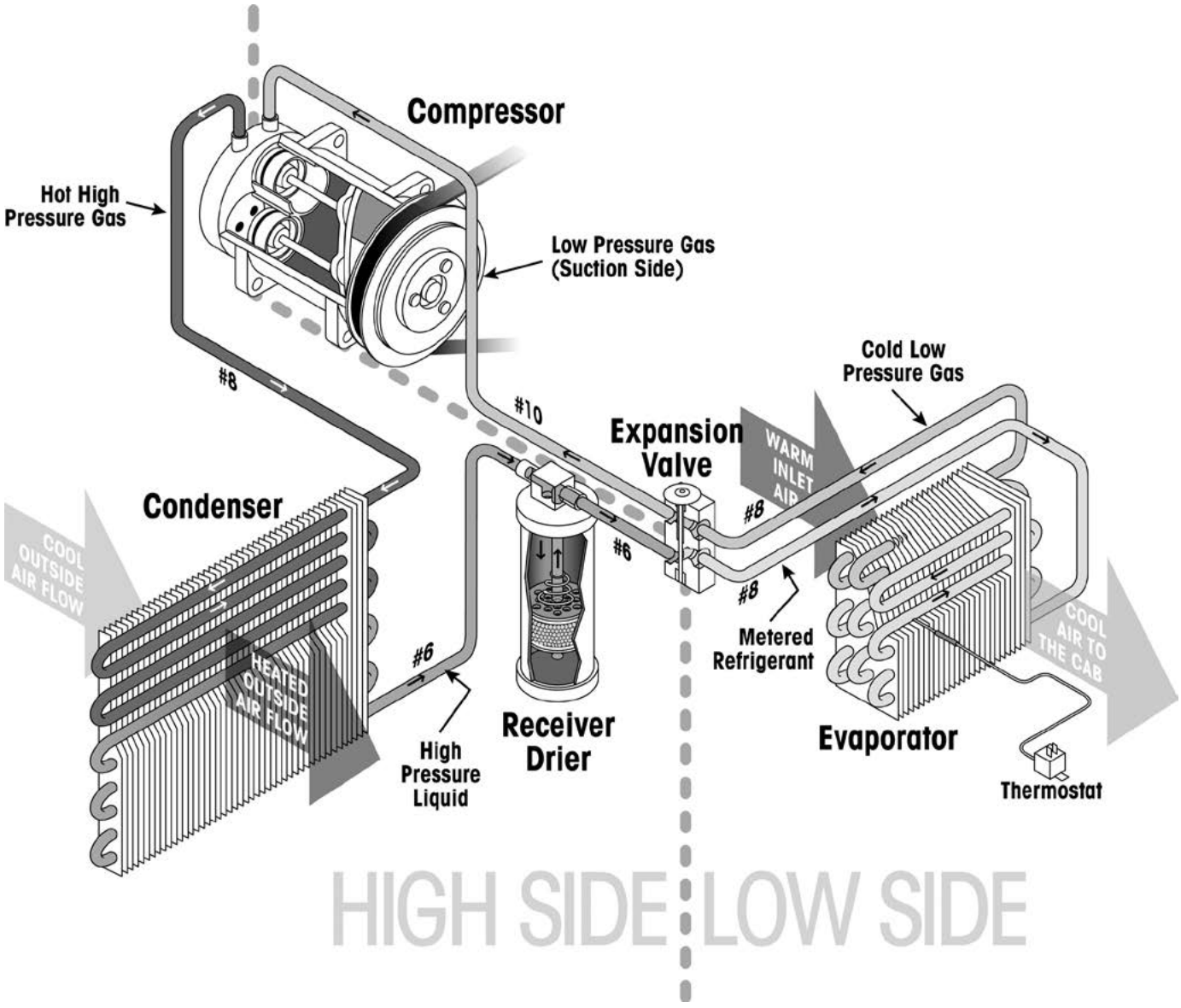
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TYPICAL A/C PLUMBING SCHEMATIC



Air Conditioner components are connected together to illustrate system operation. The components shown are not to scale. The refrigerant and refrigerant oil are clear in color and not visible in this drawing; however, we've attempted to suggest temperature variants through the use of values of gray in the pipeline. The small arrows inside the components and connecting hoses show the direction of refrigerant flow (refrigerant circuit).

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