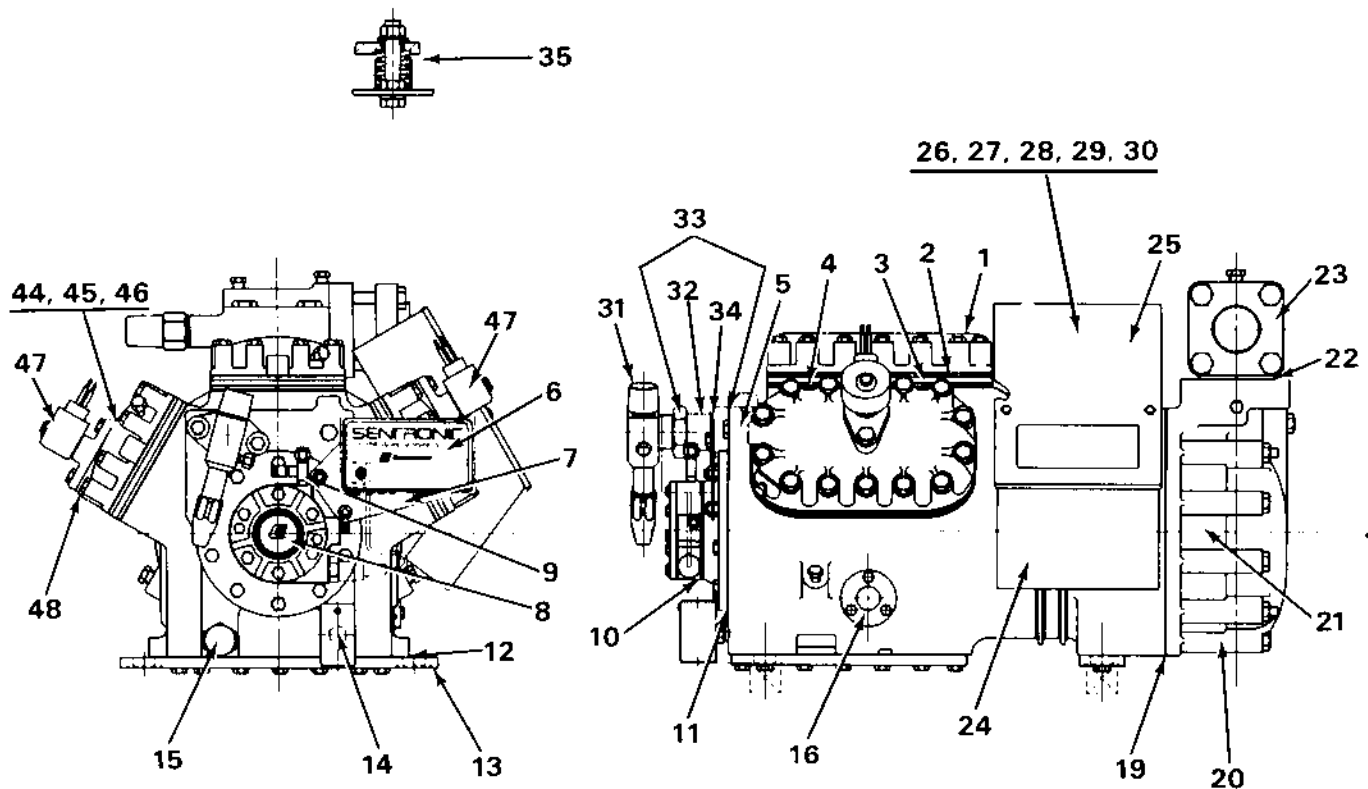




"6D & 6R" SERIES COPELAMETIC® COMPRESSOR PARTS LIST

Standard 6R, 6D Model with 2 Bank Capacity Control

Outline Drawing with Reference Numbers



- 17 Oil Check Valve (Internal)
- 18 Crankcase Vent Valve (Internal)
- 58 Gasket Kit (not shown)
- 59 Shipping Plates (not shown)

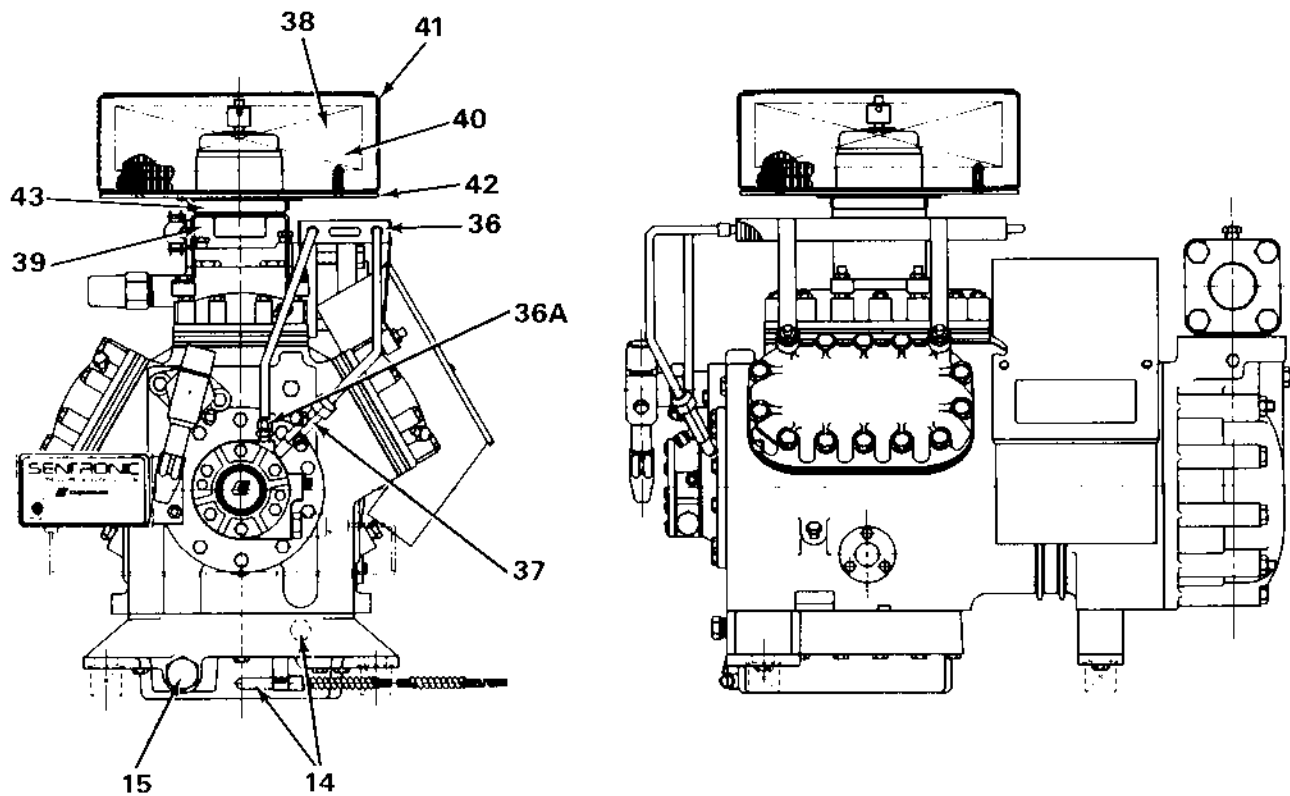
COPELAND CORPORATION

Product Service

500 Conrad Harcourt Way
Rushville, Indiana 46173-0218
Phone (317) 932-2956

FORM PS-1061R9
Supersedes PS-1061R8
January 1990

6R, 6D Model with Extended Oil Sump, Oil Cooler, Head Cooling Fan



Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
1	Cylinder Head-Standard	002-0179-00	6RA, 6RE, 6RH, 6RK, 6RL, 6RN, 6RP & 6RT
	Cylinder Head-Standard	002-0185-00	6RJ, 6RR & 6RS
	Cylinder Head-Standard	002-0160-00	All 6D
	Cylinder Head Kit-Capacity Control	998-0119-20	6RE, 6RK, 6RN & 6RP
	Cylinder Head Kit-Capacity Control	998-0119-21	6RR & 6RS
	Cylinder Head Kit-Capacity Control	998-0119-26	6DC, 6DD, 6DE, 6DF, 6DK, 6DP, 6DR & 6DS
	<i>(Cylinder head kits include head, capacity control piston, spring, and gaskets.)</i>		
	Cylinder Head	002-0181-00	6RB - Low Stage
	Cylinder Head	002-0180-00	6RB - High Stage
	Cylinder Head	002-0182-00	6TM - Low Stage
	Cylinder Head	002-0183-00	6TM - High Stage
2	Gasket-Cylinder Head	020-0629-00	All 6R (except 6RB & 6TM)
	Gasket-Cylinder Head <i>(Standard)</i>	020-0600-00	All 6D
	Gasket-Cylinder Head <i>(Capacity Control)</i>	020-0616-00	All 6D
	Gasket-Cylinder Head <i>(Low Stage)</i>	020-0631-00	6RB
	Gasket-Cylinder Head <i>(Low Stage)</i>	020-0633-00	6TM
	Gasket-Cylinder Head <i>(High Stage)</i>	020-0630-00	6RB
	Gasket-Cylinder Head <i>(High Stage)</i>	020-0632-00	6TM
3	Valve Plate Kit	998-0661-00	6RA - 10 & 20 HP
	Valve Plate Kit	998-0661-52	6RA - 30 HP
	Valve Plate Kit	998-0661-52	6RB, 6RE & 6RN
	Valve Plate Kit	998-0661-49	6RL & 6TM
	Valve Plate Kit	998-0661-51	6RH, 6RK & 6RP
	Valve Plate Kit	998-0661-57	6RT
	Valve Plate Kit	998-0661-60	6RJ, 6RR & 6RS
	Discus valve plate kit selection must be based on standard or capacity control		
	Valve Plate Kit-Standard	998-1661-01	All 6D
	Valve Plate Kit-Capacity Control	998-1661-03	All 6D
	<i>(Valve plate kits include valve plate assembly, suction reeds, and all necessary gaskets.)</i>		
	NOTE: Before installing new gaskets, make sure surface is clean and free of material, and with refrigeration oil, lightly oil both sides of the gasket. Valve plate gasket cylinder cutout must match cylinder bore.		
4	Gasket-Valve to Body	020-0626-00	6RA, 6RB, 6RE & 6RN
	Gasket-Valve to Body	020-0627-00	6RH, 6RK, 6RP, 6TM & 6DL
	Gasket-Valve to Body	020-0628-00	6RT
	Gasket-Valve to Body	020-0628-01	6RJ, 6RR & 6RS
	Gasket-Valve to Body	020-0664-02	6DC, 6DD, 6DH, 6DK, 6DL & 6DP
	Gasket-Valve to Body	020-0664-04	6DE, 6DF, 6DJ, 6DR, 6DS 6DT
	<i>(Valve plate gaskets must be correct bore size. Valve plate gaskets have a tab with the center four and last two digits of the part number stamped into the gasket.)</i>		
5	Pressure Relief Valve-Internal	998-0051-00	All 6D & 6R (except 6RB & 6TM)
	Pressure Relief Valve-Internal	998-0051-01	6RB & 6TM

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
6	Sentronic Oil Pressure Control <i>(Kit includes Sentronic oil pressure control, screws to mount control, oil pressure sensor, and sensor gaskets. Control mounting brackets are supplied on service replacement compressors.)</i>	585-1036-00	All
	Sentronic and Oil Pump Retrofit Kit <i>(Kit includes Sentronic oil pressure control, Part Number 585-1036-00 and oil pump kit Part Number 998-0008-33.)</i>	998-1036-00	All
	Sentronic Oil Pressure Control <i>(Control only, supplied with 41" cable as standard.)</i>	998-0104-00	All
	Sentronic Sensor Kit <i>(Kit includes sensor and gaskets.)</i>	998-0105-00	All
	Sentronic Extension Cable <i>(Cable is 85" long. Standard 41" cable, supplied with Sentronic control, plugs into extension cable, providing 126" overall length.)</i>	029-0208-00	All
7	Mounting Bracket-Oil Pressure Control	998-0700-01	All (except oil cooler models 6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT)
	Mounting Bracket-Oil Pressure Control <i>(Oil pressure control brackets are supplied with service replacement compressors.)</i>	998-0700-07	6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT
8	Oil Pump Kit <i>(Kit includes oil pump, gaskets, adapter rings, and mounting bolts. Accommodates both Sentronic and capillary tube type oil pressure controls.)</i>	998-0008-33	All 6D & 6R
9	Oil Pump Schrader Tee	510-0191-00	All 6D & 6R
10	Gasket-Oil Pump	020-0733-00	All 6D & 6R
11	Gasket-Housing Cover	020-0636-00	All 6D & 6R
12	Gasket-Bottom Plate <i>(Use with flat plate and extended oil sumps.)</i>	020-0635-00	All
13	Bottom Plate (Standard) Bottom Plate (Extended oil sump)	003-0094-00 998-1314-00	All 6D & 6R 6DE, 6DF, 6DJ, 6DR, 6DS, 6DT, 6RA5, 6RH5, 6RJ1, 6RK5, 6RL5, 6RP5, 6RR1, 6RS1 & 6RT1
14	Crankcase Heaters (100 Watt) Immersion Type For Models with Flat Bottom Plate or Extended Oil Sump <i>(Manufactured after September 1984)</i> 120 Volt 240 Volt 480 Volt 600 Volt External Cartridge Type (200 Watt) <i>(Heater must be installed into the heater well in the oil sump.)</i> 120 Volt 240 Volt	518-0002-03 518-0002-02 518-0002-01 518-0002-00 998-0518-00 998-0518-01	

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
15	Oil Screen Kit Oil Screen Kit Magnetic Plug Gasket-Magnetic Plug <i>(Oil screen kit includes oil screens, spring, magnetic plug, and gasket.)</i>	998-0513-00 998-0513-02 036-0296-00 020-0006-38	All 6R All 6D All 6D & 6R All 6D & 6R
16	Sight Glass Kit	998-0002-02	All 6D & 6R
17	Oil Check Valve	998-0510-00	All 6D & 6R
18	Crankcase Vent Valve	510-0003-00	All 6D & 6R
19	Gasket-Stator Cover	020-0755-00	All 6D & 6R
20	Stator Cover Kit-Small	998-1311-00	6RA4 - 10 HP, 6RB2 - 10 & 20 HP 6TM1 - 20 HP
	Stator Cover Kit-Medium	998-1311-01	6RA4, 6RE & 6RN - 20 & 30 HP 6RH, 6RK & 6RP - 20 HP 6RL1 - 25 HP & 6RT - 30 HP 6DH, 6DK & 6DP - 20 HP 6DC, 6DD & 6DL - 27 HP 6DE, 6DF & 6DT - 30 HP
	Stator Cover Kit-Large	998-1311-02	All 6D & 6R - 35 HP
	Stator Cover Kit-Large	998-1311-03	6RJ, 6RR & 6RS 6DJ, 6DR & 6DS
	<i>(Kit includes stator cover, gaskets, suction strainer screens, and mounting hardware.)</i>		
21	Suction Strainer Screen	548-0116-00	6RA, 6RB, 6RE & 6RH 6RK, 6RL, 6RN & 6RP 6RT & 6TM 6DC, 6DD, 6DE & 6DF 6DH, 6DK, 6DL & 6DP 6DT
	Suction Strainer Screen	548-0825-00	6RJ, 6RR & 6RS 6DJ, 6DR & 6DS
22	Gasket-Suction Valve (2 3/4" OD)	020-0006-46	6RA - 10 HP
	Gasket-Suction Valve (Rotalock) <i>(Use with rotalock valve and adapter - Part Number 036-0062-00.)</i>	020-0028-03	6RB & 6TM
	Gasket-Suction Valve (3 1/4" OD)	020-0006-47	All (except 6RA, 6RB & 6TM)
23	Suction Valve-1 5/8" SWT (4 bolt)	998-0510-07	6RA - 10 HP
	Suction Valve-1 3/8" SWT (Rotalock) <i>(Use with adapter - Part Number 036-0062-00.)</i>	998-0510-46	6RB & 6TM
	Suction Valve-2 1/8" SWT (4 bolt)	998-0510-20	All (except 6RA, 6RB & 6TM)
23A	Suction and Discharge Valve Kit	998-5100-09	6RB & 6TM
	Suction and Discharge Valve Kit	998-5100-10	All 6D & 6R (Except 6RA - 10 HP), 6RB & 6TM
	Suction and Discharge Valve Kit	998-5100-11	6RA - 10 HP
	NOTE: Kit includes suction and discharge service valves, gaskets, bolts and rotalock valve mounting adapter when needed.		
24	Terminal Box	062-0132-01	All
25	Terminal Box Cover	005-0345-00	All
26	Terminal Board	580-0054-00	All

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
27	Terminal Parts <i>(Parts shipped in terminal box of each compressor. Includes terminal jumper bars, terminal stud extensions, power supply connectors, insulator board, and insulator block.)</i>	521-0065-00	All
28	Gasket-Terminal Plate	020-0638-00	All
29	Terminal Plate-Stud and Insulator Assembly <i>(Complete assembly includes gasket and mounting bolts.)</i>		
	Motor Type		
	TSK	521-0142-00	10, 20, 25, 27 & 30 HP
	TSK, TSN	521-0142-01	35 & 40 HP
	TSE	521-0143-00	10 HP
	TSE	521-0140-00	20, 25, 27 & 30 HP
	TSE	521-0140-01	35 & 40 HP
	FSD, FSM, FSR & FSY	521-0140-00	20, 25, 27 & 30 HP
	FSD, FSR, FSU & FSY	521-0140-01	35 & 40 HP
	ESL	521-0141-00	35 HP
	ESL, ESM, ESY & ESX	521-0141-00	10, 20, 25 & 30 HP
	ESM	521-0141-01	35 HP
	ESX	521-0141-01	40 HP
30	Solid State Module Motor Protection The 998-0424-xx Service Kit is used on all "6" series 10, 15, 20, 27, and 30 HP sizes. This also includes the 25, 35, and 40 HP sizes manufactured since September 1981 . <i>(The next section shows the replacement kit for the "6" series 25, 35, and 40 HP manufactured before September 1981.)</i>		
		Copeland Production	Service Kit
Module Voltage	Vendor P/N	Part Number	Part Number
120 Volt	15AA1600B	071-0424-01	998-0424-01
	MP50-1001	071-0441-00	998-0424-01
	3AA7-2	071-0376-02	998-0424-01
240 Volt	15AA1600C	071-0424-00	998-0424-00
	MP50-1201	071-0441-00	998-0424-00
	3AA4-2	071-0376-01	998-0424-00
	<i>(Kits include module, wires, and wiring instructions.)</i>		
	Replacement Kit For "6" Series 25, 35, and 40 HP Manufactured Before September 1981		
		Copeland Production	Service Kit
Module Voltage	Vendor P/N	Part Number	Part Number
120 Volt	MP13-1018	071-0388-01	998-0071-01
	MP23-1004	071-0398-01	998-0071-01
	MP33-1013	071-0444-01	998-0071-01
240 Volt	MP13-1019	071-0388-00	998-0071-00
	MP23-1003	071-0398-00	998-0071-00
	MP33-1214	071-0444-00	998-0071-00
	<i>(Kits include module, wires, and wiring instructions.)</i>		
31	Discharge Valve-1 3/8" SWT (2 bolt)	998-0510-11	6RB & 6T
	Discharge Valve-1 3/8" SWT (Rotalock)	998-0510-46	All (except 6RB & 6TM)
	<i>(Kit includes valve and gasket.)</i>		
	NOTE: Reference No. 23A Suction and Discharge Valve Kits		

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
32	Rotalock Valve Mounting Adapter <i>(Adapter is required when rotalock valve is used. Gasket for adapter is Part Number 020-0012-09)</i>	036-0062-00	All
33	Gasket-Discharge Valve (2 bolt valve) Gasket-Discharge Valve (Rotalock)	020-0012-09 020-0028-03	All All
34	Discharge Muffler Plate Discharge Muffler Plate <i>(Two gaskets required - Part Number 020-0012-09.)</i>	003-0383-00 003-0382-00	6RB & 6TM All (except 6RB & 6TM)
35	Mounting Parts (Flat bottom plate) Mounting Parts (Flat bottom plate) Mounting Parts (Flat bottom plate) Mounting Parts (Extended oil sump) Mounting Parts (Extended oil sump)	527-0037-00 527-0042-00 527-0057-00 527-0080-00 527-0081-00	All 10 HP 20, 25, 27 & 30 HP All 35 HP 30 & 40 HP 6RA5, 6RH5, 6RK5, 6RL5 & 6RP5
36	Oil Cooler <i>(Use with current cooling fan assembly.)</i> NOTE: Old style oil cooler that mounted over the center head is no longer available. Replace with current style cooler and new cooling fan and mounting kits.	998-1123-00	6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT
36A	Union Fitting	036-0438-00	All
37	Oil Tube Fitting <i>(This tube screws into the housing cover and attaches to the oil cooler tube.)</i>	036-0415-00	6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT
38	Head Cooling Fan Assembly Motor Voltage 208/230 Volt 50/60 HZ 460 Volt 50/60 HZ 115 Volt 50/60 HZ <i>(Kit assembly includes fan motor, fan blade, and fan guard. The fan mounting kit must be ordered separately.)</i>	998-0550-00 998-0550-01 998-0550-02	
39	Fan Mounting Kit Fan Mounting Kit Oil Cooler and Fan	998-0574-04 998-0574-05 998-0574-07	All 6R & 6D (except 6RL, 6RT, DC, 6DD, 6DE, 6DF, 6DL & 6DT) 6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT 6RL, 6RT, 6DC, 6DD, 6DE, 6DF, 6DL & 6DT
40	Fan Blade	083-0118-00	All <i>(For current assembly)</i>
41	Fan Guard-Top	024-0200-00	All <i>(For current assembly)</i>
42	Fan Guard-Bottom	Part of Fan Motor Kit. <i>[Reference No. 43]</i> <i>(Cannot be ordered separately.)</i>	

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
43	Fan Motor		
	208/230 Volt 50/60 HZ	998-0550-03	
	440 Volt 50/60 HZ	998-0550-04	
	115 Volt 50/60 HZ	998-0550-05	
	<i>(Kit includes fan motor mounted to bottom guard. Securing the guard to motor requires special bonding material and correct torque. For this reason, motors are supplied with the guard mounted.)</i>		
	Old Style Cooling Fan Replacement Parts		
	<i>(Motor sits on top of guard. Current assembly has the guard on top of motor.)</i>		
	Replacement Parts	Part Number	
	Motor 230 Volt	998-0167-00	
	440 Volt	998-0167-01	
	Fan Blade	083-0077-00	
	Bottom Guard (2 Required)	024-0105-00	
	<i>(Top Guard are no longer available, but the old style assembly can be replaced with new cooling fan assembly and fan mounting kit.) [Reference No. 38 and No. 39]</i>		

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
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44 Capacity Control

"6R" Models

		Standard Model	Converts To	
Kit With Valve Plate			1 Bank	2 Bank
24 Volt Coil	998-0119-00	6RA	6RE	6RN
120 Volt Coil	998-0119-01	6RA	6RE	6RN
240 Volt Coil	998-0119-02	6RA	6RE	6RN
440 Volt Coil	998-0119-03	6RA	6RE	6RN
24 Volt Coil	998-0119-04	6RH	6RK	6RP
120 Volt Coil	998-0119-05	6RH	6RK	6RP
240 Volt Coil	998-0119-06	6RH	6RK	6RP
440 Volt Coil	998-0119-07	6RH	6RK	6RP

(Kit with valve plate is required when the installed valve plate has a square, external tab. When installed valve plate has a sloped, external tab, kit less valve plate can be used. For more information, see A1216 on internal capacity control. Kits include cylinder head, valve plate, gaskets, bolts, and capacity control valve and coil.)

		Standard	Converts To	
Kit Less Valve Plate		Model	1 Bank	2 Bank
24 Volt Coil	998-0119-08	6RA	6RE	6RN
		6RH	6RK	6RP
120 Volt Coil	998-0119-09	6RA	6RE	6RN
		6RH	6RK	6RP
240 Volt Coil	998-0119-10	6RA	6RE	6RN
		6RH	6RK	6RP
440 Volt Coil	998-0119-11	6RA	6RE	6RN
		6RH	6RK	6RP
24 Volt Coil	998-0119-16	6RJ	6RR	6RS
120 Volt Coil	998-0119-17	6RJ	6RR	6RS
240 Volt Coil	998-0119-18	6RJ	6RR	6RS
440 Volt Coil	998-0119-19	6RJ	6RR	6RS

(Kits include cylinder head, gaskets, bolts, and capacity control valve and coil.)

"6D" Models (Valve plate change required.)

		Standard Model	Converts To	
			1 Bank	2 Bank
24 Volt Coil	998-0119-22	6DH	6DK	6DP
		6DL	6DC	6DD
		6DT	6DE	6DF
		6DJ	6DR	6DS
120 Volt Coil	998-0119-23	6DH	6DK	6DP
		6DL	6DC	6DD
		6DT	6DE	6DF
		6DJ	6DR	6DS
440 Volt Coil	998-0119-24	6DH	6DK	6DP
		6DL	6DC	6DD
		6DT	6DE	6DF
		6DJ	6DR	6DS
440 Volt Coil	998-0119-25	6DH	6DK	6DP
		6DL	6DC	6DD
		6DT	6DE	6DF
		6DJ	6DR	6DS

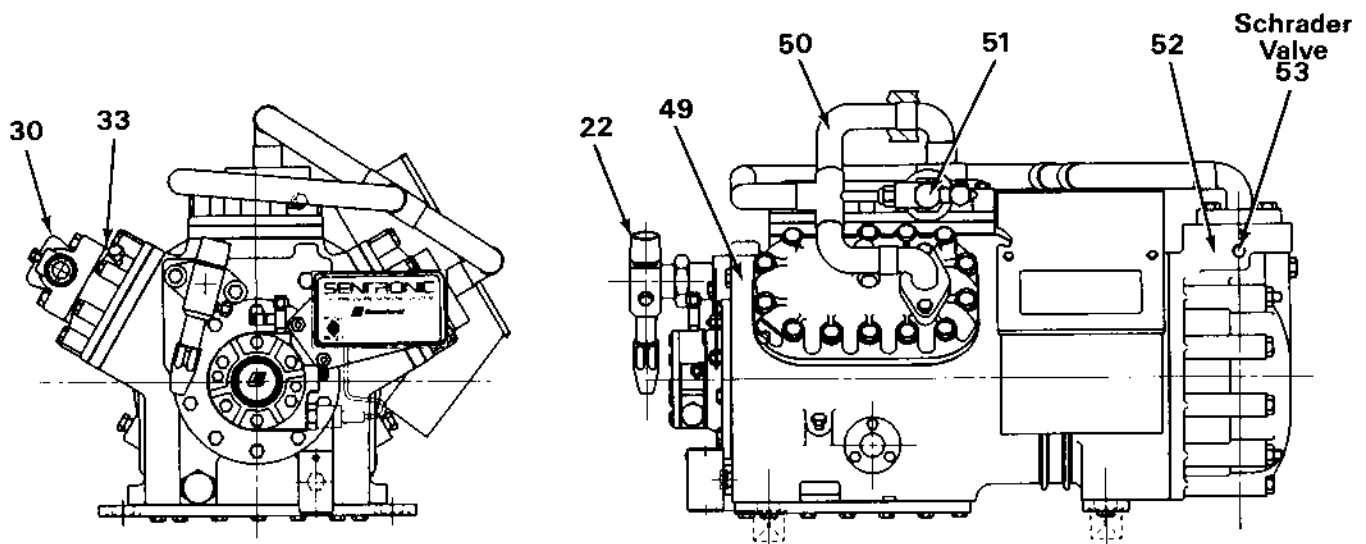
(Kits include cylinder head, valve plate, gaskets, bolts, and capacity control valve and coil.)

NOTE: Before installing new gaskets, make sure surface is clean and free of material, and with refrigeration oil, lightly oil both sides of the gasket. Valve plate gasket cylinder cutout must match cylinder bore.

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
45	Capacity Control Piston Assembly (Piston is internal and fits into the cylinder head.)	504-0130-00	All
46	Spring (Internal - between valve plate and capacity control piston.)	006-0200-00	All
47	Capacity Control Valve Assembly		
		24 Volt	120 Volt
		240 Volt	440 Volt
		998-0212-01	998-0212-02
		998-0212-03	998-0212-04
	Coil Only		
	Alco	023-0039-00	023-0039-01
	Sporlan	023-0041-00	023-0041-01
		023-0039-02	023-0039-03
		023-0041-02	023-0041-03
	Valve Only Kit		
	Alco	998-0212-00	
	Sporlan	998-0243-01	
	(Alco and Sporlan coil are not interchangeable. Valve Only Kit includes valve and gaskets.)		
48	Gasket-Capacity Control Valve	020-0690-00	All

Two Stage Compressor



- 54 Intercooler
- 55 Liquid Line Strainer
- 56 Solenoid Valve
- 57 Liquid Sight Glass

Field Replacement Parts

Ref. No.	Part Description	Part Number	Model Series
Reference No. 49 through 57 apply to "two stage models" only - 6RB and 6TM compressors			
49	Suction Strainer Screen	013-0073-00	6RB & 6TM
50	Interstate Manifold	528-0685-00	6RB
	Interstate Manifold	528-0921-00	6RB
51	Expansion Valve	510-0144-03	6RB
	Expansion Valve	510-0144-04	6TM
52	Interstate Strainer Screen	013-0011-00	6RB & 6TM
53	Schrader Valve	510-0161-00	6RB & 6TM
54	Intercooler-Subcooler	566-0323-00	6RB
	Intercooler-Subcooler	566-0496-00	6TM
55	Liquid Line Strainer	013-0060-00	6RB & 6TM
56	Solenoid Valve-With Coil (3/8" Flare)		
	120 Volt Coil	010-0007-01	6RB & 6TM
	240 Volt Coil	010-0007-03	6RB & 6TM
57	Liquid Sight Glass (3/8" female flare and 3/8" male flare)	570-0012-00	6RB & 6TM
58	Gasket Kits	998-0669-00	6RA, 6RB, 6RE & 6RN
		998-0669-54	6RH, 6RK, 6RL, 6RP & 6TM
		998-0669-55	6RJ, 6RR & 6RS
		998-0669-56	6RT
		998-1669-01	ALL "6D" Models

NOTE: Before installing new gaskets, make sure surface is clean and free of material and with refrigeration oil, lightly oil both sides of the gasket. Valve plate gasket cylinder cutout must match cylinder bore.

Field Replacement Parts

Ref. No.	Part Description	Bolt P/N	Qty.	Size
59	Shipping Plates			
	Discharge Cover Plate (2 bolt-2 3/4" mounting centers)	003-0055-02	All	
	Gasket-Discharge Cover Plate	020-0012-09	All	
	Suction Cover Plate (4 bolt-2 1/2" mounting centers)	003-0203-00	6RA4 - 10 HP, 6RB & 6TM	
	Gasket-Suction Cover Plate	020-0008-01	6RA4 - 10 HP, 6RB & 6TM	
	Suction Cover Plate (4 bolt-3 1/16" mounting centers)	003-0209-00	All (except 6RA4 - 10 HP, 6RB & 6TM)	
	Gasket-Suction Cover Plate	020-0420-00	All (except 6RA4 - 10 HP, 6RB & 6TM)	
SERVICE VALVE MOUNTING BOLTS				
32	Rotalock Valve Mounting Adapter	100-0013-48	2	1 1/2" x 1/2" - 13 UNC
31	Discharge Valve	100-0013-50	2	1 7/8" x 1/2" - 13 UNC
23	Suction Valve-1 5/8" SWT	100-0013-56	4	3 1/4" x 1/2" - 13 UNC
23	Suction Valve-2 1/8" SWT	100-0013-62	4	4" x 5/8" - 11 UNC
TIME DELAY RELAYS				
230 Volt	1 SEC. [plus or minus] 10%	998-0109-00		
115 Volt	1 SEC. [plus or minus] 10%	998-0109-01		
MODEL CONVERSIONS				
Extended Oil Sump				
Standard Model	Converts To Model	Kit Required		
6RA4	6RA5	998-1314-00		
6RB2	6RB5	998-1314-00		
6RH1	6RH5	998-1314-00		
6RK2	6RK5	998-1314-00		
6RL1	6RL5	998-1314-00		
6RN2	6RN5	998-1314-00		
6RP2	6RP5	998-1314-00		
Capacity Control				
Standard Model	Converts To 1 Bank	2 Bank	Kit Required	
6RA4	6RE2	6RN2	Refer to Ref. No. 44 for Kit Selection	
6RH1	6RK2	6RP2		
6RJ1	6RR2	6RS2		
6DH	6DK	6DP		
6DL	6DC	6DD		
6DT	6DE	6DF		
6DJ	6DR	6DS		
NOTE: Low Temperature Models—Capacity Control Criteria requires oil cooler and head cooling fan. Effected models are 6DL, 6DC, 6DD, 6DT, 6DE, and 6DF. Service replacements models are supplied less oil cooler, head cooling fans, and capacity control valve and coil.				