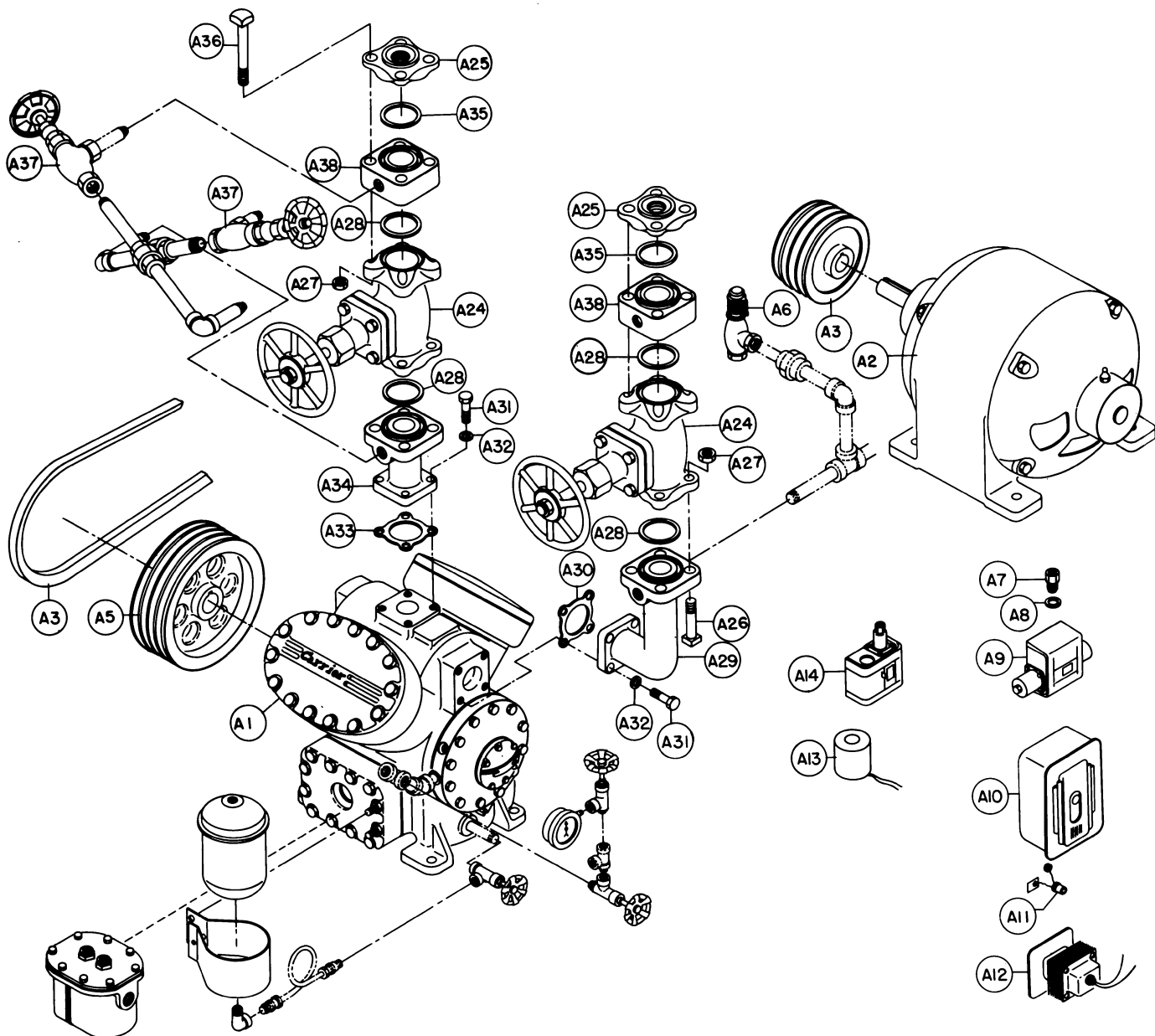
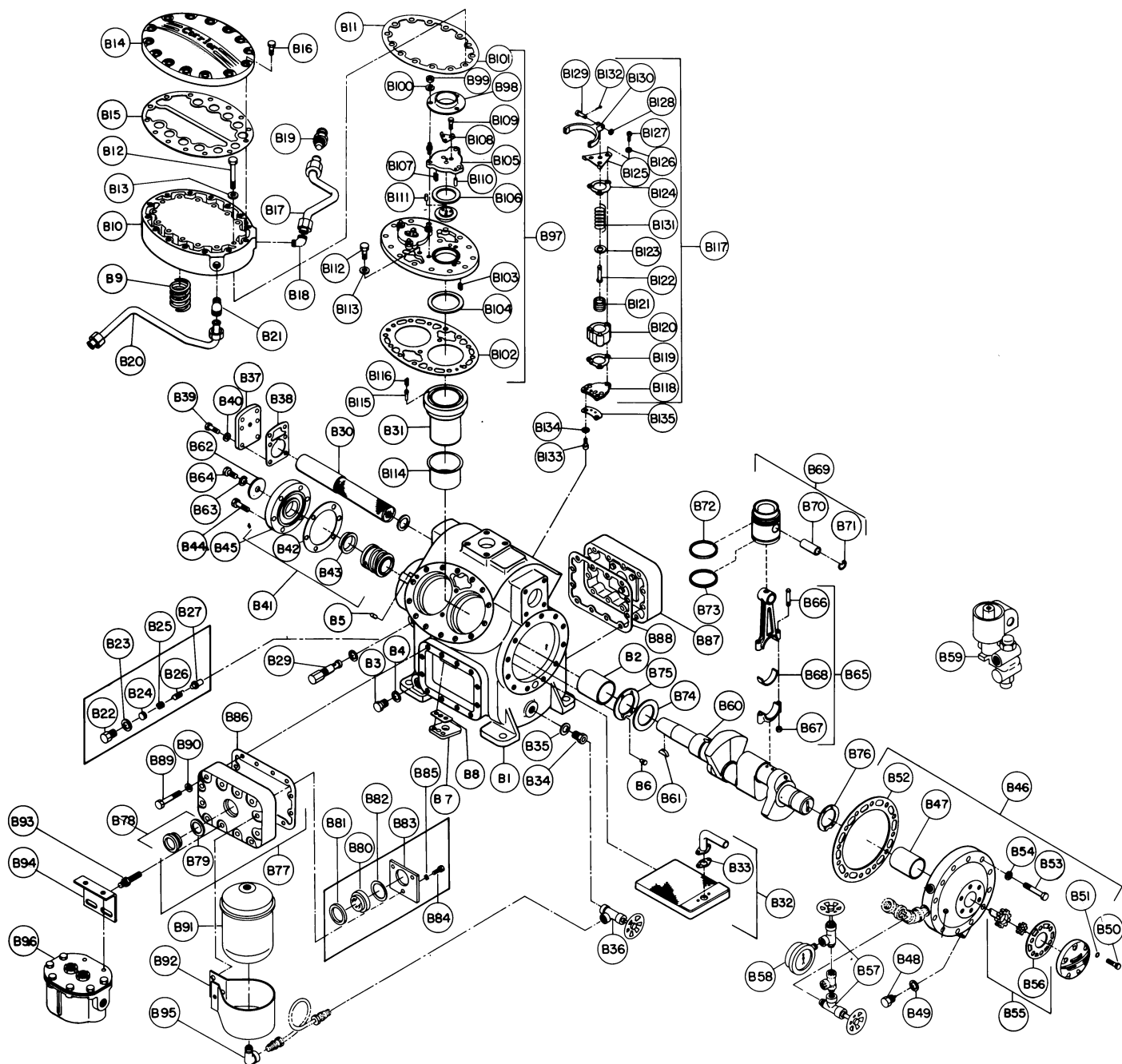




COMPRESSOR

5F41,61





COMPRESSOR

5F41,61

5F SERVICE PARTS LIST

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT 5F41	USAGE 5F61
COMPRESSOR GROUP					
A1	Compressor Assembly - with Capacity Control - Repair & Return only	NS NS	5F41-A189 5F61-A189	1	1
A1	Compressor Assembly - with reduced load starting- Repair & Return only	NS NS	5F41-A779 5F61-A779	1	1
	Note: All Compressor Assemblies are less Flywheels, Shut-Off Valves, High Pressure Cutout & Oil Safety Switch, but include Oil Filter, Oil Cooler, Water Cooled Heads, Solenoid Valve Body & Valve Pads.				
DRIVE GROUP					
A2	Compressor Motor	CD	_____		
A3	Belt Drive Packages Include Pulley, Belts & Flywheel		See note 1		
A5	Flywheel Package 11 1/2" O.D., 4B Groove	NS	5F61-394	1	1
	Note: 1. Refer to 5F, H Master Price Pages for Belt Drive Packages.				
CONTROL GROUP					
A6	Angle Relief Valve 1/2" F.P.T. Parts for Oil Safety Switch Pkg. (Early Type)- For 5F41-933 Package - 110V, 208/220V, 440V, 550V; AC; 50/60 Cycle and For 5F41-943 Package - 230V. DC	NS	EB51FH-330	1	1
A7	Adapter Plug	AC	5F20-1311	1	1
A8	Adapter Gasket	MP	AU51YA-011	1	1
A9	*Differential Pressure Switch	NS	HK06CA-503	1	1
A10	*Time Delay Relay	NS	HN68AD-006	1	1
A11	Heater Coil	NS	HN71AZ-131	1	1
A12	*Transformer (5F41-933 only)	NS	HT01AC-150	1	1
	*Resistor (5F41-943 only)	NS	HT21AM-180	1	1
NS	Oil Safety Switch Package (Late Type) 115/230V, AC Includes Adapter Plug (1) 5F20-1311 Adapter Gasket (1) AU51YA011 Pressure Switch (1) HK06BA120	NS AC MP AC	5F41-267	1	1
	Note: *Penn Switch HK06BA120 may be used as a replacement for the Differential Pressure Switch, Time Delay Relay & Transformer (or Resistor on DC).				
A13	Solenoid Coil 105-125 Volt 50/60 Cycle 220-255 Volt 50/60 Cycle	AC AC	EF19UF-030 EF19UF-031	As Req'd. As Req'd.	
A14	High Pressure Cut-Out	AC	HK02CA-006	1	1



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT	UNIT USAGE	
			PART NUMBER	5F41	5F61

SHUT-OFF VALVE GROUP

A24	Flanged Globe Valve 1 1/2"	NS	ER34UF-414	2	2
A25	Companion Flange 1 1/4" F.P.T. 1 1/2" F.P.T.	NS	CR63EA-302	2	1
		NS	CR63EA-351		1
A26	Square Head Machine Bolt 5/8" - 11x3 1/4"	NS	AH13AA-330	16	16
A27	Hex Nut 5/8" - 11	AC	AT11AA-331	16	16
A28	Valve Gasket	AC	CR91TA-351	4	4
A29	Suction Valve Elbow	NS	5F41-1244	1	
NS	Suction Valve Adapter	NS	5F61-1334		1
A30	Adapter Gasket	MP	5F30-1361	1	
		MP	5H40-1361		1
A34	Discharge Valve Adapter	NS	5F41-1254	1	
		NS	5F61-1254		1
A33	Adapter Gasket	MP	5F30-1361	1	
		NS	DK36GA-001		1
A31	Hex Head Capscrew 1/2" - 13x1 1/2" 1/2" - 13x1 3/4" 5/8" - 11x2 1/4"	AC	AA06BR-293	8	
		MP	AA06BR-294		1
		AC	AH06BR-326		4
A32	Cap Screw Gasket 1/2" 5/8"	MP	AU51YA-009	1	1
		MP	AU51YA-011		1
	Parts for 5F41-157 Cross-Over Package (Accessory)				
A38	Shut-Off Valve Adapter	NS	5F41-1713	2	2
A35	Adapter Gasket	AC	CR91TA-351	4	4
A36	Square Head Machine Bolt 5/8" - 11x5 1/2"	NS	AH13AA-338	8	8
A27	Hex Nut 5/8" - 11	AC	AT11AA-331	8	8
A37	Angle Valve 1/2" F.P.T.	NS	ER40UF-070	2	2

MISCELLANEOUS GROUP

NS	Compressor Oil for evaporator temperature; -40°F to -120°F Specification PP33-2 (5 Gal. can)	NS	PP45EB-304	As Req'd.	
		NS	PP34EB-304	As Req'd.	
NS	Liquid & Moisture Indicator	AC	KM42AG-051	1	1



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE	
				5F41	5F61
COMPRESSOR BODY GROUP					
NS	Gasket Set	AC AC	5F41-502 5F61-502	1	1
B1	Crankcase Assembly	NS NS	5F41-864 5F61-864	1	1
	Each Includes:				
B2	Main Bearing, Seal End	AC	(1) 5F40-1012		
B3	Oil By-Pass Plug	AC	(1) 5H40-1141		
B6	Headed Groove Pin	MP	(1) AX35HR-120		
B5	Straight Dowel				
	for 5F41	MP	(1) AX11AR-197		
	for 5F61	MP	(1) AX11AR-197		
B4	Cap Screw Gasket 5/8"	MP	(1) AU51YA-011		
	Oil Return Check Valve Package	AC	5H40-932	2	2
	Includes:				
B7	Check Valve	NSS	(1)		
B8	Check Valve Gasket	,MP	(1) 5H40-1171		
B9	Safety Spring	AC	5F41-1842	4	6
	Water Cooled Cylinder Head Package	NS NS	5F40-172 5F60-172	1	1
	Each Includes:				
			<u>Req'd. On</u> <u>5F41 5F61</u>		
B17	Cool Water Tube Assembly	AC AC AC	(1) 5F40-407 (1) 5F61-573 (1) 5F61-583		
B10	Cylinder Head	AC	(2) (3) 5F41-1004		
B11	Cylinder Head Gasket	MP	(1) (1) 5F40-1093		
B12	Hex Head Cap Screw 3/8"-16x3½"	MP	(2) (3) AA06BR-241		
B13	Cap Screw Gasket 3/8"	MP	(3) (4) AU51YA-005		
B14	Cylinder Head Cover	NS	(2) (3) 5F41-1274		
B15	Cylinder Head Cover Gasket	AC	(2) (3) 5F41-1703		
B16	Hex Head Cap Screw 5/16"-18x1"	MP	(3) (4) AA06BR-200		
B18	Half Union Elbow	NS	(1) (4) DD10CA-302		
B19	Half Union Coupling	AC	(1) - DD07DA-302		
B20	Cool Water Tube Assembly (Oil Cooler)	NS NS	5F41-843 5F61-843	1	1
B21	Half Union Elbow	AC	DD10CA-302	2	2
	*Parts for Adjustable Oil By-Pass Valve				
B22	Oil By-Pass Plug	AC	5H40-1141	1	1
B23	Oil By-Pass Plug Gasket	MP	AU51YA-011	1	1
B24	Oil By-Pass Lockscrew 5/8 - 18x5/16	MP	AF20AA-313	1	1
B25	Oil By-Pass Adjusting Screw	AC	5H40-1121	1	1
B26	Oil By-Pass Spring	AC	7K3-4182	1	1
B27	Oil By-Pass Valve	AC	5H40-1111	1	1
B29	*Non Adjustable Oil Regulating Valve Package	AC	5H40-962	1	1
	Includes:				
	Gasket	MP	(1) AU51YA-011		
	Note:				
	*The Non Adjustable Oil Regulating Valve is a replacement for the Adjustable Oil By-Pass Valve Parts				



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE	
				5F41	5F61

COMPRESSOR BODY GROUP (CONT'D.)

B30	Suction Strainer Assembly	NS	5F41-132	1	
		NS	5F61-132		2
	Suction Strainer Gasket	MP	5F60-1831		1
NS	Suction Filter Package	NS	5F40-A352	1	
	Includes:				
	Felt Filter (1) 5F40-3792	AC			
NS	Suction Filter Package	NS	5F60-A352		1
	Includes:				
	Felt Filter (1) 5F60-3792	AC			
B31	Cylinder Sleeve	AC	5F30-1003	4	6
B32	Oil Filter Screen Package	NS	5F41-237	1	1
	Includes:				
B33	Oil Filter Screen Gasket (1) 5H40-1371	MP			
B34	Adapter Plug	AC	5F20-1311	1	1
B35	Adapter Plug Gasket	MP	AU51YA-011	1	1
B36	Angle Valve (Oil Filter)	AC	ER40SE-030	1	1
B37	Suction & Discharge Manifold Cover	NS	5F40-1052	1	
B38	Manifold Cover Gasket	AC	5F20-1032	1	
NS	Suction Manifold	AC	5F60-1094		1
NS	Suction Manifold Gasket	AC	5F60-1681		2
B39	Hex Head Cap Screw 3/8" - 16x3" lg.	MP	AA06BR-239		1
	3/8" - 16x1" lg.	MP	AA06BR-230	1	
B40	Cap Screw Gasket 3/8"	MP	AU51YA-005	1	1

SEAL END GROUP

B41	Shaft Seal Replacement Package- Rotary Sleeve Type	AC	5F40-276	1	1
	Includes:				
B42	Cover Plate Gasket (1) 5F40-4512	AC			
B43	Carbon Washer (1) 5F-D-1500-971V	NS			
B45	Cover Plate w/ Integral Seal Seat (1)	NSS			
B44	Cap Screw 3/8" - 16x1 1/4	MP	AA06BR-232	1	1
	Note:				
	Replacement only for Washers damaged in shipping or installation. Not recommended for seals that have been in operation.				



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE	
				5F41	5F61

PUMP END GROUP

B46	Bearing Head & Oil Pump Assembly - Starting Serial No. 030002 - Exchanges Available Includes:	AC	5F40-677	1	1
B47	Main Bearing - Pump End (1) 5F40-1022	AC			
B48	Magnetic Plug (1) CA99AA-101	AC			
B49	Cap Screw Gasket 5/8" (1) AU51YA-011	MP			
B50	Hex Head Cap Screw (Oil Pump Cover) 1/4" - 28x3/4 (1) AB06BR-168	MP			
B51	Cap Screw Gasket 1/4" (1) AU51YA-001	MP			
B53	Hex Head Cap Screw (Bearing Head Cover) 3/8" - 16x1 3/4" (1) AA06BR-234	MP			
B54	Cap Screw Gasket 3/8" (1) AU51YA005	MP			
NS	Dowel Pin (Bearing Washer) (1) AX35HR-120	MP			
B55	Oil Pump Package - Matched Parts (1) 5F20-A272 Includes:	AC			
	Cover, Idler, Rotor & Bushing	NSS			
B56	Oil Pump Cover Gasket (1) 6F25-1031	AC			
B52	Bearing Head Gasket (1) 5F20-1113	MP			
	On Units prior to Serial No. 030002 use:				
	Bearing Head Cover Gasket	NS	5F20-113	1	1
	Oil Pump Cover Gasket	MP	5F40-1211	1	1
	Cap Screw 3/8" - 16x2 1/4" (Brg. Hd. Cover)	MP	AA06BR-236	1	1
	Cap Screw Gasket 3/8"	MP	AU51YA-005	1	1
B57	Angle Valve	AC	ER40SE-040	2	2
B58	Oil Pressure Gauge	AC	KM03AF-242	1	1
B59	Solenoid Valve Body (less Coil) - for Capacity Control Models only	NS	EF19UF-132	1	1

CRANKSHAFT & PISTON GROUP

B60	Crankshaft Assembly	AC	5F40-114	1	1
		AC	5F60-114		
B61	Woodruff Key #21 - 1/4"x1 1/4"	MP	AW21FD-735	1	1
B62	Flywheel Retaining Washer	AC	5F40-1401	1	1
B63	Flywheel Lock Washer	MP	AU11AR-241	1	1
B64	Flywheel Cap Screw 3/8" - 24x7/8"	MP	AB06BR-229	1	1
B65	Connecting Rod & Bearing Package Includes:	NS	5F20-953	4	6
	Connecting Rod (4)	NSS			
B66	Connecting Rod Bolt (2) 5F20-1041	NS			
B67	Connecting Rod Nut (1) AT61AA-202	MP			
B68	Connecting Rod Bearing Half (2) 5F20-1002	NS			
NI	Piston Pin Bushing (1) 5F20-367L	NS			
	Note: Part 5F20-1002 is Available in Packages only. Order 5F20-451 which includes: (4) 5F20-1002 Bearing Half				



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT	UNIT USAGE	
			PART NUMBER	5F41	5F61
CRANKSHAFT & PISTON GROUP (CONT'D.)					
B69	Piston & Pin Package (Unassembled) Includes: Piston	AC	-5-F--20---482	4	6
B70	Piston Pin (1) 5F20-1051	AC	-5-F--20--1051		
B71	Piston Pin Lock Ring (2) 5F20-3521	MP	-5-F--20--3521		
B72	Piston Rings - Compression (See Note	NSS	-5-F--20--1071	8	12
B73	Oil	NSS	-5-F--20--1091	8	12
Note: Parts 5F20-1071 & 5F20-1091 are Available in Packages only. Order 5F20-481 which includes: (8) 5F20-1071 Compression Ring (8) 5F20-1091 Oil Ring					
B74	Seal End Thrust Washer	AC	-5-F--40--1761	1	1
B75	Seal End Bearing Washer	AC	-5-F--41--1751	1	1
B76	Pump End Bearing Washer	NA	-5-F--41--1741	1	1
UNDERSIZE CRANKSHAFT & BEARING GROUP					
.010" Undersize Crankshaft & Bearing Package		NA	-5-F--40---544	1	
Each Includes:		NA	-5-F--60---544		1
*Crankshaft (see note 2)					
Connecting Rod Brg. Half					
Seal End Main Brg.					
Pump End Main Brg.					
.020" Undersize Crankshaft & Bearing Pkg.		NA	-5-F--40---554	1	
Each Includes:		NA	-5-F--60---554		1
Crankshaft (see note 3)					
Connecting Rod Brg. Half					
Seal End Main Brg.					
Pump End Main Brg.					
Notes: 1. Parts 5F20-3422 & 5F20-3432 are Available in Packages only. For .010" Undersize order 5F20-461 which includes: (4) 5F20-3422 Bearing Half. For .020" Undersize order 5F20-471 which includes: (4) 5F20-3432 Bearing Half. 2. .010" Undersize is identified by an "A" stamped on Crankshaft. 3. .020" Undersize is identified by a "B" stamped on Crankshaft.					



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE	
				5F41	5F61

HANDHOLE COVER GROUP (CONT'D.)

B77	Handhole Cover & Sight Glass Assembly "New Type" Includes:	AC	5F40-102	1	1
B78	Sight Glass Package (1) 5F20-152	AC			
B79	Includes: Sight Glass Gasket (1) 5F20-1631	MP			
B80	"Old Type" Includes Sight Glass (1) 5H40-1001	AC			
B81	Sight Glass Gasket (1) 5H40-1011	AC			
B82	Sight Glass Gasket (1) 5H40-1621	AC			
B83	Sight Glass Clamp Gland (1) 5H40-1021	AC			
B84	Cap Screw 5/16" - 18x7/8" (3) AA06BR-199	MP			
B85	Everlock Washer (3) AU27AR-201	MP			
B86	Handhole Cover Gasket	MP	5F40-1042	1	1
B87	Handhole Cover & Sight Glass Assembly (for unloader tube connections)	NS	5F61-A542	1	1
B80	Includes: Sight Glass (1) 5H40-1001	AC			
B81	Sight Glass Gasket (1) 5H40-1011	AC			
B82	Sight Glass Gasket (1) 5H40-1621	MP			
B83	Sight Glass Clamp Gland (1) 5F41-1021	NS			
B84	Cap Screw 5/16" - 18x7/8" (3) AA06BR-199	MP			
B85	Everlock Washer (3) AU27AR-201	MP			
B88	Handhole Cover Gasket	AC	5F41-2112	1	1
B89	Cap Screw 3/8" - 16x2 1/4"	MP	AA06BR-236	20	20
B90	Cap Screw Gasket 3/8"	MP	AU51YA-005	24	24
B91	Oil Filter	AC	KH18BV-003	1	1
B92	Oil Filter Bracket	AC	5H40-2832	1	1
B93	Bracket Stud (Oil Filter & Oil Cooler)	AC	5H40-1781	4	4
NS	Hex Nut 3/8"	MP	AT39AA-241	4	4
B95	Elbow & Orifice Assembly	NS	5F41-161	1	1
B96	Oil Cooler	AC	KH52HC-101	1	1
B94	Oil Cooler Bracket	AC	5F41-3342	1	1

VALVE PLATE GROUP

B97	Valve Plate Package	AC	5F41-120	2	3
	Includes				
	Valve Plate *	NSS			
	Guide Stud *	NSS			
B98	Safety Spring Guide (2) 5F41-2022	NS		1	1
B99	Hex Nut 1/4" - 28 (12) AT39AA-172	AC			
B100	Lockwasher 1/4" (1) AU27AS-171	MP			
B101	Cylinder Head Gasket (1) 5F40-1093	MP			
B102	Valve Plate Gasket (1) 5F40-1083	MP			
B103	Suction Valve Spring (12) 5F20-1791	MP			
B104	Suction Valve Disc (2) 5F20-1142	AC			
NS	Valve Clip (for Assembly only) (4) 5F20-2061	AC			



COMPRESSOR

5F41,61

ITEM NO.	PART NAME	LDC	REPLACEMENT PART NUMBER	UNIT USAGE	
				5F41	5F61
VALVE PLATE GROUP (CONT'D.)					
	Discharge Valve Guide Assembly (2) 5F20-112	AC			
	Includes:				
	Inner Seat *	NSS			
B105	Discharge Valve Guide (1) 5F20-1322	AC			
B106	Discharge Valve (1) 5F20-1132	AC			
B107	Discharge Valve Spring (1) 5F20-1801	MP			
B108	Seal Lock Plate (1) 5F20-1201	AC			
B109	Cap Screw (Lock Plate to Guide)				
	1/4" - 28x1" (1) AB06BR-170	MP			
B110	Dowel Pin 3/16"x3/4" (1) AX11AR-128	MP			
B111	Dowel Pin 1/4"x1/2" (1) AX11AR-162	MP			
B112	Cap Screw (Valve Plate to Crankcase) 3/8" - 16x1"	MP	AA06BR-230	1	1
B113	Cap Screw Gasket 3/8"	MP	AU51YA-005	1	1
	Notes: * Replacement alone is not recommended.				
UNLOADER GROUP					
B114	Unloader Sleeve	AC	5F20-1752	2	4
B115	Valve Lifter Pin	AC	6G45-1191	12	24
B116	Valve Lifter Spring	NS	6G45-1151	12	24
	Note:				
	Part 6G45-1151 is Available in Packages only.				
	Order 6G45-672 which includes:				
	(6) 6G45-1151 Valve Lifter Springs				
	Order sufficient Packages to meet requirements in the Unit Usage column.				
B117	Unloader Power Element Assembly-(Exchanges Available)	AC	5F20-153	2	4
	Includes:				
B118	Unloader Cylinder Bracket (1) 5F20-1762	AC			
B119	Unloader Cylinder Gasket (Bottom) (1) 5F20-1711	MP			
B120	Unloader Cylinder (1) 5F20-1772	AC			
B121	Unloader Piston (1) 5F20-1782	AC			
B122	Unloader Piston Rod (1) 5F20-1731	AC			
B123	Unloader Spring Retaining Washer (1) 5F20-1811	MP			
B124	Unloader Cylinder Gasket (Top) (1) 5F20-1701	MP			
B125	Cylinder Cover Plate Assembly (1) 5F20-242	AC			
B126	Lockwasher 1/4" (1) AU61ML-171	MP			
B127	Cap Screw 1/4" - 28x1 3/4" (3) AB44AA-174	NS			
B128	Plate Washer (1) 5F20-1301	MP			
B129	Clevis Pin (1) 5F20-2751	AC			
B130	Unloader Fork (1) 5F20-3332	NS			
B131	Unloader Spring 1 13/16" lg. (1) 5F20-1802	AC			
	Unloader Spring 2" lg. (1) 5F20-1822	AC			
B132	Cotter Pin 1/16"x3/8" (1) AX01AA-003	MP			
B133	Socket Head Cap Screw 1/4" - 28x1" (Unloader Assembly to Crankcase)	MP	AB44AA-170	1	1
B134	Cap Screw Lock Washer 1/4"	MP	AU61ML-171	1	1
B135	Unloader Bracket Gasket	MP	5F20-1451	1	1