

**FILE INFORMATION****DIVISION TAB — TRANE REFRIGERATION
PRODUCTS****PRODUCT TAB — RECIPROCATING COMPRESSOR —
CONDENSER UNITS****MODEL TAB — OPEN A-B****LITERATURE ITEM — Unit Parts**

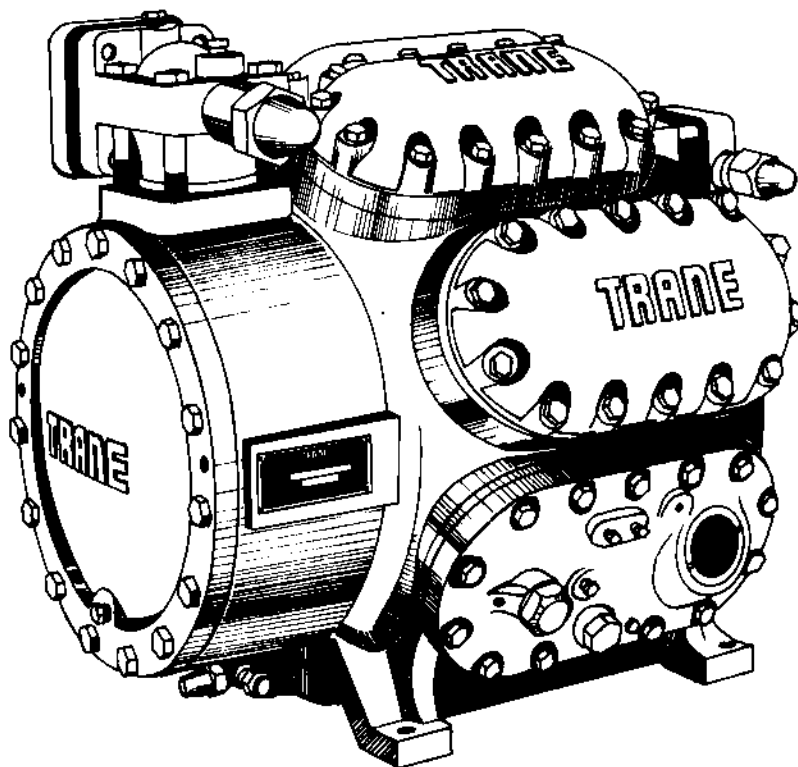
LITERATURE FILE NO.

OCOM-UP-5**UNIT PARTS**

Since The Trane Company has a policy of continuous product improvement, it reserves the right to change specifications and design without notice. The installation and servicing of the equipment referred to in this booklet should be done by qualified experienced technicians.

DECEMBER, 1979
Supersedes OCOM-UP-5
Dated December, 1978

OPEN RECIPROCATING COMPRESSORS



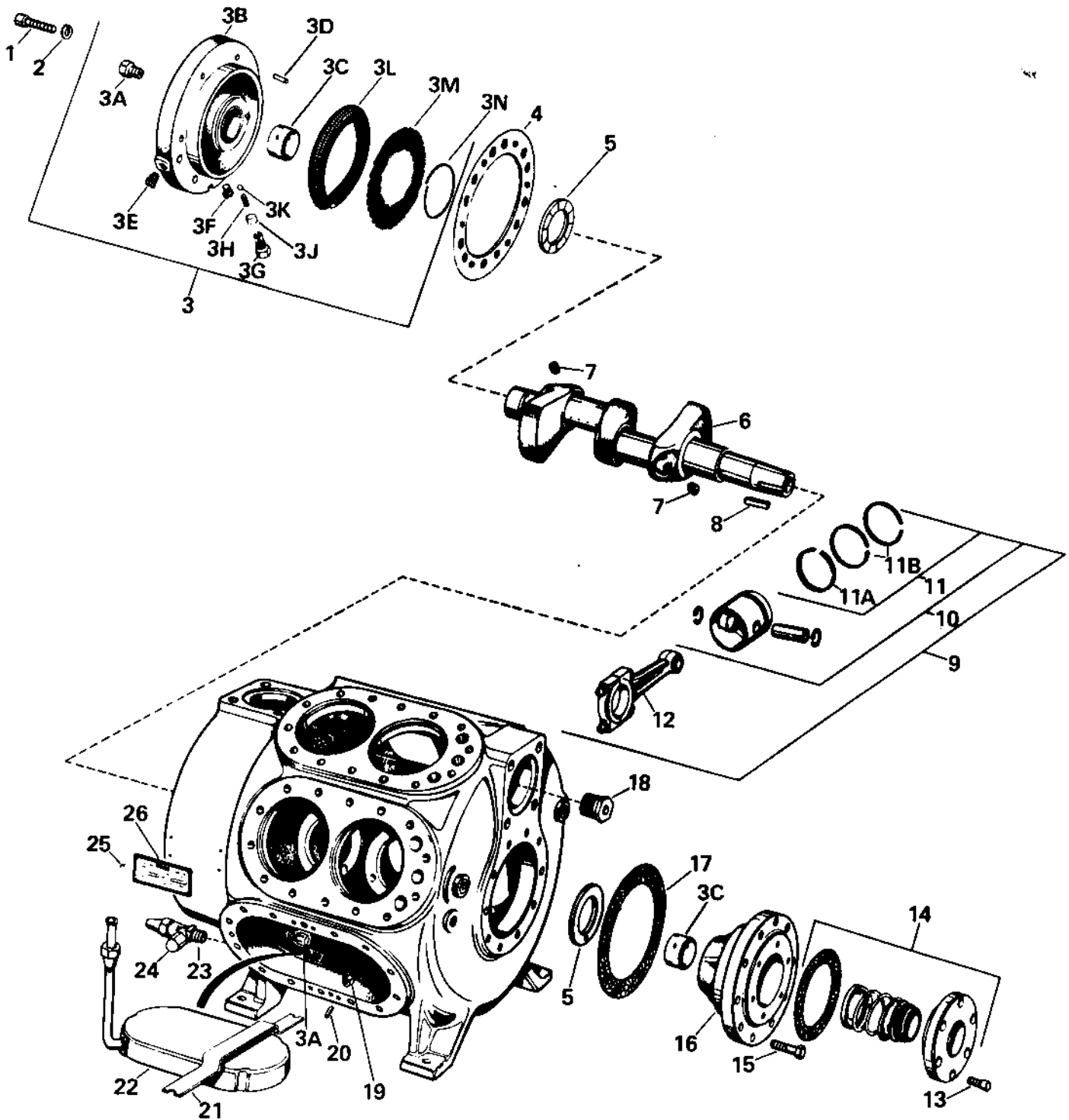
MODEL A
4-6-8 CYLINDERS

A-514
A-516
A-518

A-516R
A-518R

2A-514
2A-516
2A-518

2A-516R
2A-518R



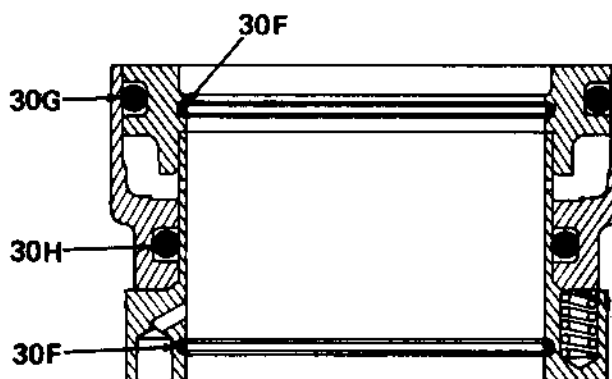
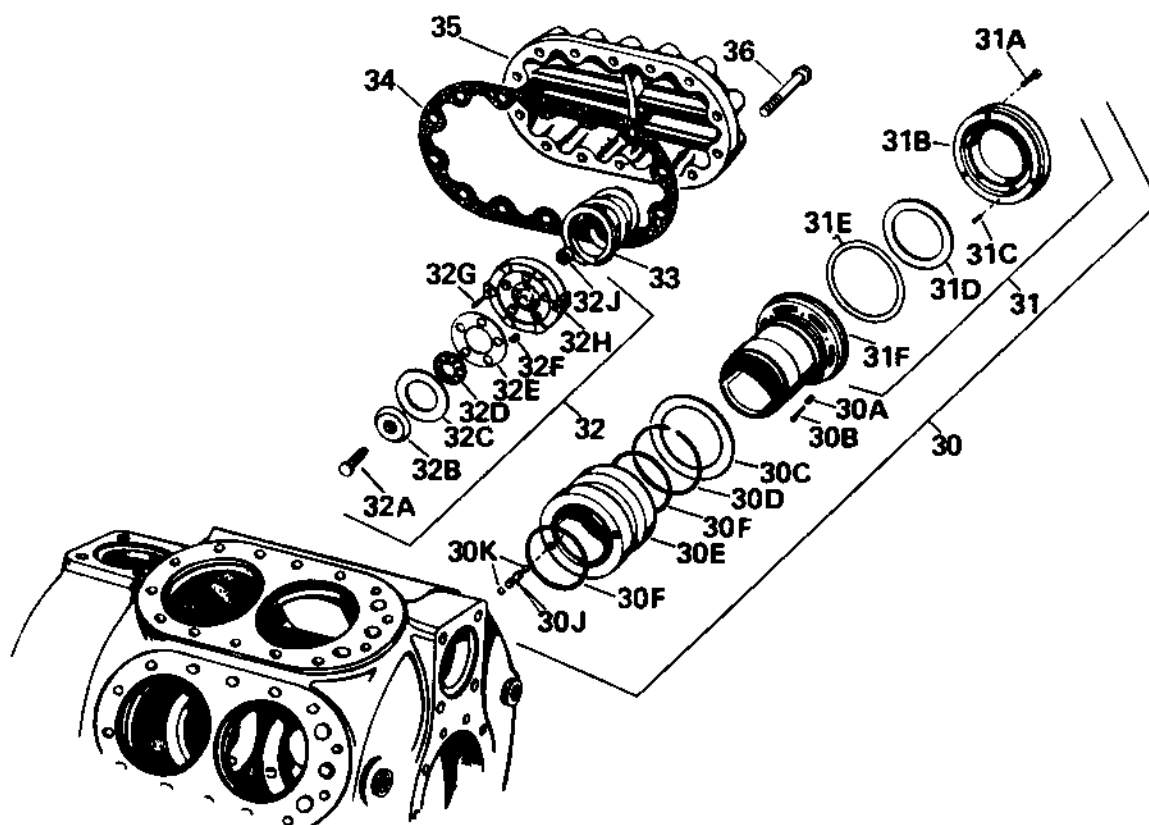
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	QUANTITY REQUIRED		
			4 CYL.	6 CYL.	8 CYL.
1	Screw-Cap, Socket Head, 7/16-20 x 1-1/4, Bearing Head Mounting -----	SCR-53	6	6	6
2	Lockwasher, 7/16, Bearing Head Mounting-----	WAS-19	6	6	6
3	Bearing Head, Pump End-----	BRG-5	1	1	1
	Consisting of:				
3A	Valve-Check-----	VAL-60	3	3	3
3B	Bearing Head (Including Bearing)-----	BRG-6	1	1	1
3C	Bearing-----	BRG-58	2	2	2
3D	Pin-Roll, 3/16 x 1/2-----	PIN-12	1	1	1
3E	Plug-Magnetic, 1/4 NPTF-----	PLU-10	1	1	1
3F	Plug-Pipe, Hex Head, 1/4 NPTF-----	PLU-37	1	1	1
3G	Cap-Relief Valve -----	CAP-2	1	1	1
3H	Spring-Relief Valve -----	SPG-1	1	1	1
3J	Disc-Spacer-----	DSK-7	1	1	1
3K	Ball-Relief Valve-----	BAL-1	1	1	1
3L	Breaker-Foam-----	BKR-2	1	1	1
3M	Ring-End-----	RNG-11	1	1	1
3N	Ring-Retaining-----	RNG-12	1	1	1
4	Shim-Bearing Head, Pump End (.010")-----	SHM-5 +	*	*	*
4	Shim-Bearing Head, Pump End (.015")-----	SHM-6 +	*	*	*
5	Bearing-Thrust-----	BRG-7	2	2	2
6	Crankshaft, With Magnetic Plugs-----	CSF-4	1		
6	Crankshaft, With Magnetic Plugs-----	CSF-5		1	
6	Crankshaft, With Magnetic Plugs-----	CSF-6			1
7	Plug-Magnetic, 1/4 NPTF-----	PLU-10	2	2	2
8	Key-Crankshaft-----	KEY-3	1	1	1
9	Piston and Connecting Rod Assembly-----	PST-3	4	6	8
	Consisting of:				
10	Piston and Pin Assembly (Including Rings)-----	PST-4	1	1	1
11	Piston Ring Kit-----	RNG-13	1	1	1
	Consisting of:				
11A	Ring-Oil-----	RNG-15	1	1	1
11B	Ring-Compression-----	RNG-14	2	2	2
12	Connecting Rod Assembly-----	ROD-2	1	1	1
13	Screw-Cap, Socket Head, 3/8-24 x 1, Seal Mounting-----	SCR-168	8	8	8
14	Seal Assembly-----	SEL-2	1	1	1
15	Screw-Cap, Hex Head, 7/16-14 x 1-1/4, Bearing Head Mounting-----	SCR-223	10	10	10
16	Bearing Head and Main Bearing Assembly, Seal End -----	BRG-8	1	1	1
16	Bearing Head and Main Bearing Assembly, Seal End (Use With Low Lift Valves)-----	BRG-34	1	1	1
17	Gasket-Bearing Head, Seal End-----	GKT-21 +	1	1	1
18	Valve-Relief-----	VAL-74	1	1	1
19	Valve-Check, Oil-----	VAL-55	2	2	2
20	Pin-Roll, 5/16 x 1-1/4-----	PIN-1	2	2	2
21	Strip-Hold Down, Screen Assembly-----	STR-2	1	1	1
22	Strainer-Oil-----	SRN-1	1	1	1
23	Valve-Angle, 3/8-----	VAL-31	1	1	1
24	Cap-Angle Valve, 3/8 Flare-----	NUT-16	1	1	1
25	Screw-Nameplate-----	SCR-1	4	4	4
26	Nameplate-----	PLT-9	1	1	1

* As Required.

+ Included in Gasket Kit, KIT-1.

NOTE: Replacement compressor housings are not available.

A-514	A-516R	2A-514	2A-516R
A-516	A-518R	2A-516	2A-518R
A-518		2A-518	



REF. NO.	PART NAME AND DESCRIPTION	PART NO.	QUANTITY REQUIRED		
			4 CYL.	6 CYL.	8 CYL.
30	Cylinder Liner Assembly (With Unloaders)----- Consisting of:	LNR-6	3	4	6
30A	Spring Lift Pin-----	SPG-3	8	8	8
30B	Pin-Lift-----	PIN-25	8	8	8
30C	Ring-Take-Up-----	RNG-17	1	1	1
30D	Ring-Retaining-----	RNG-12	1	1	1
30E	Unloader Assembly ----- Including:	UNL-2	1	1	1
30F	"O" Ring-Unloader Cylinder Liner-----	RNG-18	2	2	2
30G	"O" Ring-Unloader Seal Ring-----	RNG-55	1	1	1
30H	"O" Ring-Unloader Piston-----	RNG-56	1	1	1
30J	Connector-Oil-----	CON-1	1	1	1
30K	"O" Ring-Oil Connector-----	RNG-10	2	2	2
31	Cylinder Liner Assembly (Without Unloaders)----- Consisting of:	LNR-4	1	2	2
31A	Screw-Cap, Socket Head, 1/4-28 x 5/8-----	SCR-43	6	6	6
31B	Valve Plate-----	PLT-12	1	1	1
31C	Spring-Suction Valve-----	SPG-8	6	6	6
31D	Valve-Suction-----	VAL-39	1	1	1
31E	"O" Ring-----	RNG-16	1	1	1
31F	Liner-Cylinder-----	LNR-5	1	1	1
32	Discharge Valve Assembly----- Consisting of:	VAL-40	4	6	8
32A	Bolt-Discharge Valve Cage-----	BLT-2	1	1	1
32B	Seat-Discharge Valve-----	SET-2	1	1	1
32C	Valve-Discharge-----	VAL-41	1	1	1
32D	Retainer-Valve Cushion-----	RTR-2	1	1	1
32E	Cushion-Valve-----	CUS-4	1	1	1
32F	Spring-Discharge Valve-----	SPG-10	5	5	5
32G	Pin-Dowell, 1/4 x 3/4-----	PIN-3	2	2	2
32H	Cage-Discharge Valve-----	CAG-2	1	1	1
32J	Locknut-Discharge Valve Cage-----	NUT-18	1	1	1
33	Spring-Cylinder-----	SPG-9	4	6	8
34	Gasket-Cylinder Head-----	GKT-37+	2	3	4
35	Head-Cylinder-----	HD-2	2	3	4
36	Screw-Cap, Hex Head, 9/16-12 x 3-1/4, Cylinder Head Mounting-----	SCR-54	32	48	64
*	Kit "O" Ring (Includes 30G, 30H, 30F, 30K, 31E)---	KIT-6	4	6	8

* Not Illustrated.

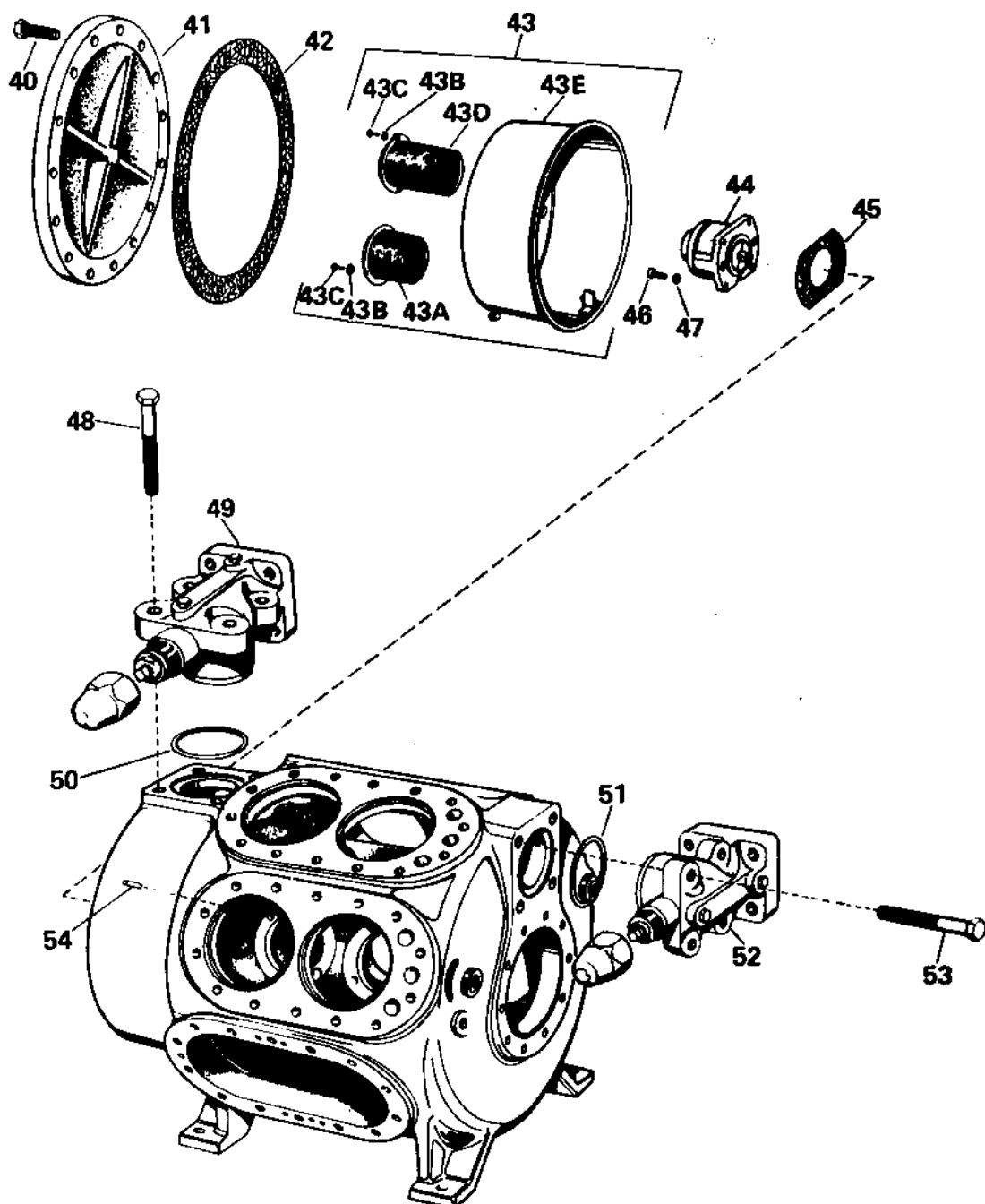
+ Included in Gasket Kit, KIT-1.

A-514
A-516
A-518

A-516R
A-518R

2A-514
2A-516
2A-518

2A-516R
2A-518R



REF. NO.	PART NAME AND DESCRIPTION	PART NO.	QUANTITY REQUIRED		
			4 CYL.	6 CYL.	8 CYL.
40	Screw-Cap, Hex Head, 5/8-11 x 1-3/4, Suction Cover Mounting-----	SCR-133	18	18	18
41	Cover-Suction-----	COV-10	1	1	1
42	Gasket-Suction Cover-----	GKT-43+	1	1	1
43	Suction Strainer Assembly-----	SRA-9	1		
43	Suction Strainer Assembly-----	SRA-10		1	
43	Suction Strainer Assembly-----	SRA-11			1
	Consisting of:				
43A	Filter-Oil-----	FLR-6	1	1	1
43B	Lockwasher, No. 10-----	WAS-18	14	14	14
43C	Screw-Slotted, Round Head, 10-32 x 3/8 -----	SCR-9	14	14	14
43D	Screen-Suction Strainer-----	SRN-4	2	3	4
43E	Pan-Suction Strainer-----	PAN-4	1	1	1
44	Pump-Oil (Including Gasket)-----	PMP-2	1	1	1
45	Gasket-Oil Pump-----	GKT-42+	1	1	1
46	Screw-Cap, Socket Head, 5/16-24 x 3/4, Oil Pump Mounting-----	SCR-167	4	4	4
47	Lockwasher, 5/16, Oil Pump Mounting-----	WAS-110	4	4	4
48	Screw-Cap, Hex Head, 5/8-11 x 5-1/2, Suction Service Valve Mounting-----	SCR-60	4		
48	Screw-Cap, Hex Head, 3/4-10 x 6-1/2, Suction Service Valve Mounting-----	SCR-61		4	4
49	Valve-Suction Service, 3-1/8"-----	VAL-43	1		
49	Valve-Suction Service, 4-1/8"-----	VAL-42		1	1
50	Gasket-Suction Service Valve-----	GKT-44+	1		
50	Gasket-Suction Service Valve-----	GKT-45+		1	1
51	Gasket-Discharge Service Valve-----	GKT-15+	1	1	
51	Gasket-Discharge Service Valve-----	GKT-44+			1
52	Valve-Discharge Service, 2-1/8"-----	VAL-9	1		
52	Valve-Discharge Service, 2-5/8"-----	VAL-35		1	
52	Valve-Discharge Service, 3-1/8"-----	VAL-43			1
53	Screw-Cap, Hex Head, 5/8-11 x 4, Discharge Service Valve Mounting-----	SCR-317	4	4	
53	Screw-Cap, Hex Head, 3/4-10 x 6-1/2, Discharge Service Valve Mounting-----	SCR-61			4
54	Pin-Roll, 3/16 x 1-----	PIN-4	3	4	6
*	Plate-Closure, Suction Strainer Pan-----	PLT-442	2	1	-

* Not Illustrated

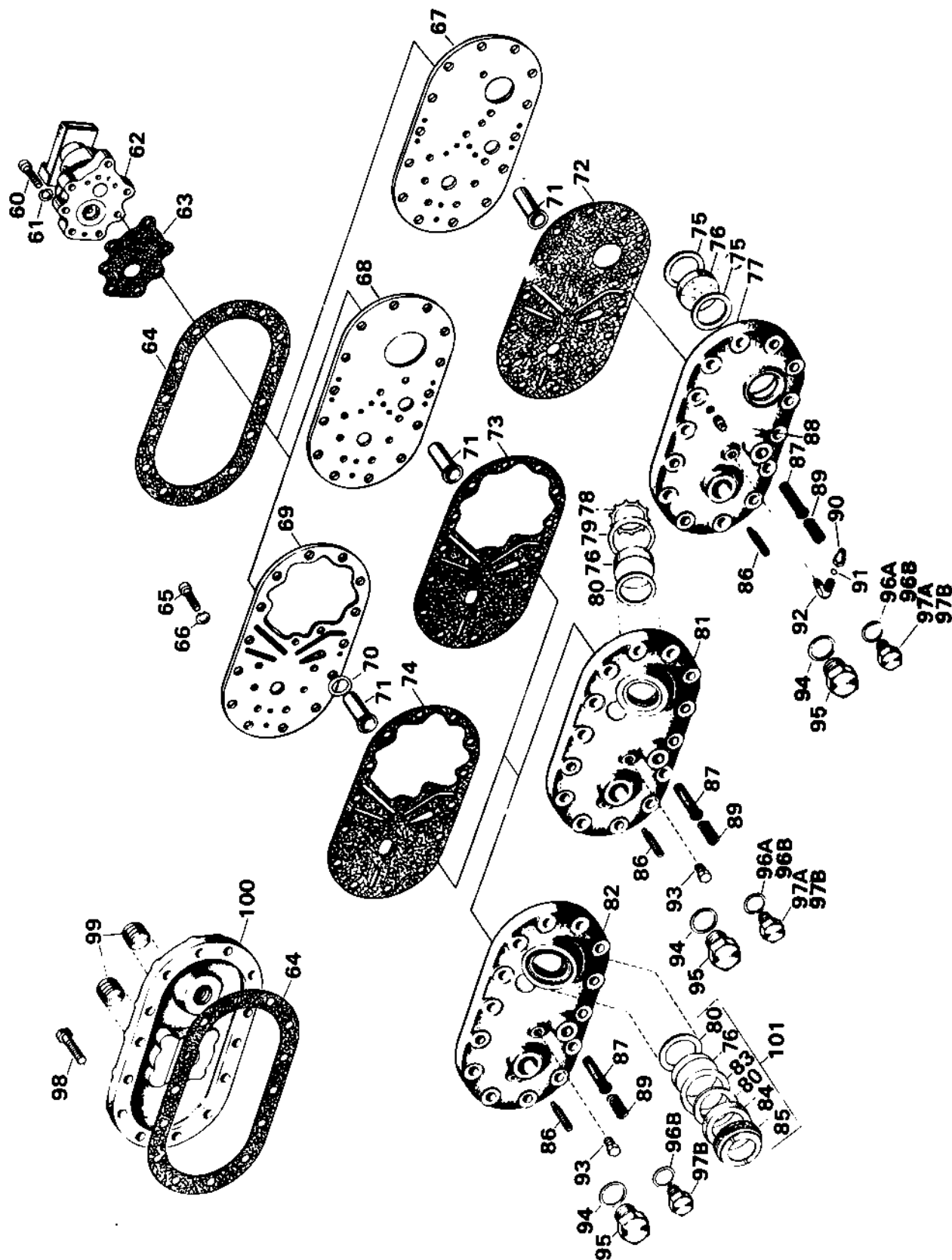
+ Included in Gasket Kit, KIT-1.

A-514
A-516
A-518

A-516R
A-518R

2A-514
2A-516
2A-518

2A-516R
2A-518R



REF. NO.	PART NAME AND DESCRIPTION	PART NO.	QUANTITY REQUIRED		
			4 CYL.	6 CYL.	8 CYL.
60	Screw-Cap, Socket Head, 3/8-24 x 1-3/4, Capacity Control Mounting-----	SCR-46	7	7	7
61	Lockwasher, 3/8", Capacity Control Mounting-----	WAS-17	7	7	7
62	Capacity Control Assembly-----	CNT-4	1	1	1
63	Gasket-Capacity Control Assembly-----	GKT-24+	1	1	1
64	Gasket-Handhole Cover-----	GKT-38+	2	2	2
65	Screw-Cap, Socket Head, 3/8-24 x 1-----	SCR-168	2	2	2
66	Lockwasher, 3/8"-----	WAS-17	2	2	2
67	Plate-Steel Back (Obsolete, See Note 1)-----	PLT-13	-	-	-
68	Plate-Steel Back (Obsolete, See Note 2)-----	PLT-65	-	-	-
69	Plate-Seel Back-----	PLT-81	1	1	1
70	"O" Ring, Strainer Screen Cover-----	RNG-52+	1	1	1
71	Cover-Strainer Screen-----	COV-4	1	1	1
72	Gasket-Distributor (Use With PLT-13)-----	GKT-279+	1	1	1
73	Gasket-Distributor (Use With PLT-65)-----	GKT-279+	1	1	1
74	Gasket-Distributor (Use With PLT-81)-----	GKT-967+	1	1	1
75	Gasket-Sight Glass-----	GKT-27+	2	2	2
76	Glass-Sight-----	GLS-4	1	1	1
77	Cover-Control Handhole, With Oil Pressure Switch Tappings (Obsolete, See Note 3)-----	COV-9	-	-	-
78	Ring-Retaining-----	RNG-20	1	1	1
79	"O" Ring-Sight Glass-----	RNG-21	1	1	1
80	Gasket-Sight Glass-----	GKT-51+	2	2	2
81	Cover-Control Handhole, With Oil Pressure Switch Tappings (Obsolete, See Note 4)-----	COV-68	-	-	-
82	Cover-Control Handhole, With Oil Pressure Switch Tappings-----	COV-124	1	1	1
83	"O" Ring-Sight Glass-----	RNG-58+	1	1	1
84	Bushing-Sight Glass-----	BUS-28	1	1	1
85	Nut-Sight Glass-----	NUT-62	1	1	1
86	Screw-Bellows Adjusting-----	SCR-47	1	1	1
87	Screen-Strainer-----	SRN-2	1	1	1
88	Plug-Pipe, Hex Head, 1/8"-----	PLU-20	1	1	1
89	Spring-Strainer Screen-----	SPG-6	1	1	1
90	Nut-Flare, 1/4"-----	NUT-1	1	1	1
91	Bonnet-Seal, 1/4"-----	BON-1	1	1	1
92	Elbow-Flare-----	ELL-2	1	1	1
93	Plug-Pipe, Hex Head, 1/8"-----	PLU-20	1	1	1
94	Gasket-Bellows Adjusting Screw Cover Plug-----	GKT-29+	1	1	1
95	Plug-Bellows Adjusting Screw Cover-----	PLU-13	1	1	1
96A	Gasket-Strainer Screen Plug, Asbestos, Copper Sheathed (Obsolete, See Note 5)-----	GKT-28+	-	-	-
96B	"O" Ring, Strainer Screen Plug-----	RNG-34+	1	1	1
97A	Plug-Strainer Screen (Obsolete, See Note 6)-----	PLU-22	-	-	-
97B	Plug-Strainer Screen-----	PLU-12	1	1	1
98	Screw-Cap, Hex Head, 9/16-12 x 2-----	SCR-4	32	32	32
99	Plug-Pipe, Socket Head, 3/4"-----	PLU-48	2	2	2
100	Cover Handhole (Including Plugs)-----	COV-7	1	1	1
101	Kit-Sight Glass-----	KIT-12	1	1	1
*	Kit-Gasket-----	KIT-1	1	1	1

* Not Illustrated.

+ Included in Gasket Kit, KIT-1.

- (1) For Replacement Order Items 69, 70, 74, 82 and 101
- (2) For Replacement Order Items 69, 70 and 74
- (3) For Replacement Order Items 69, 70, 74, 82 and 101
- (4) For Replacement Order Items 82 and 101
- (5) For Replacement Order Items 96B and 97B
- (6) For Replacement Order Items 96B and 97B