

**TRANE**

# SEMI-HERMETIC RECIPROCATING COMPRESSOR

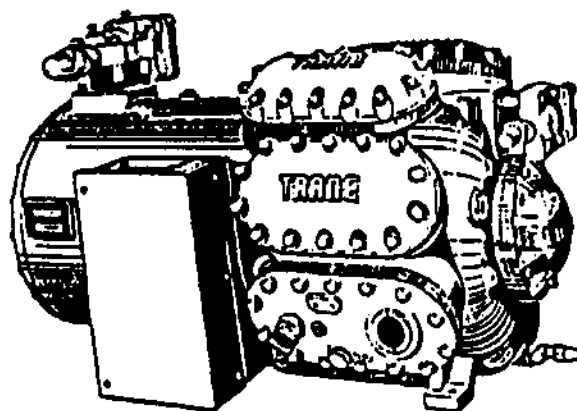
**HCOM-UP-2F**

## Unit Parts

Model(s)

E, 4-5-6-8 Cylinder

A, B, C, D, E, F, G, J &amp; K Designs

**IMPORTANT:**

The pistons and crankshafts used in model "E" Compressors have been redesigned. The part numbers have not changed as the redesigned parts are directly interchangeable with the earlier style.

To accurately identify the changes and for further information refer to Service Bulletin HCOM-SB-70A.

Library	Unit Parts Literature
Product Section	Refrigeration
Product	Compressor-Condensing Unit
Model	HCOM
Literature Type	Unit Parts
Sequence	2F
Date	November, 1990
File No.	UP-RF-COM-HCOM-UP-2F-1190
Supersedes	SV-RF-COM-HCOM-UP-2E-1087

**Literature Change:**

General Update

Changed GKT14 &amp; GKT830 around.

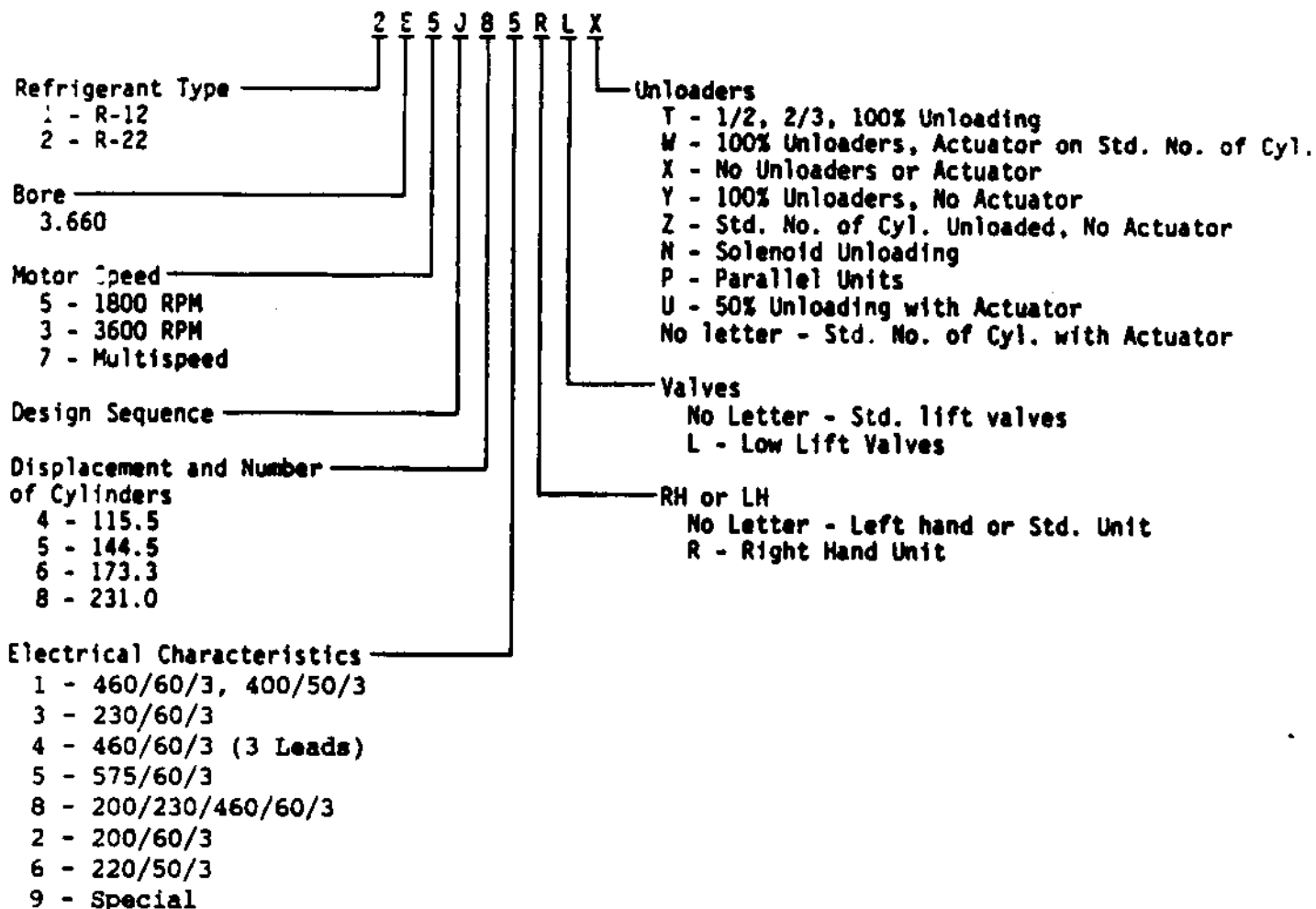
This parts list is designed for ease of parts selection. Wherever possible, the parts list allows parts selection without the use of the Trane model number. Parts may be selected from the illustrations and/or tables from the parts index located at the back of the parts list.

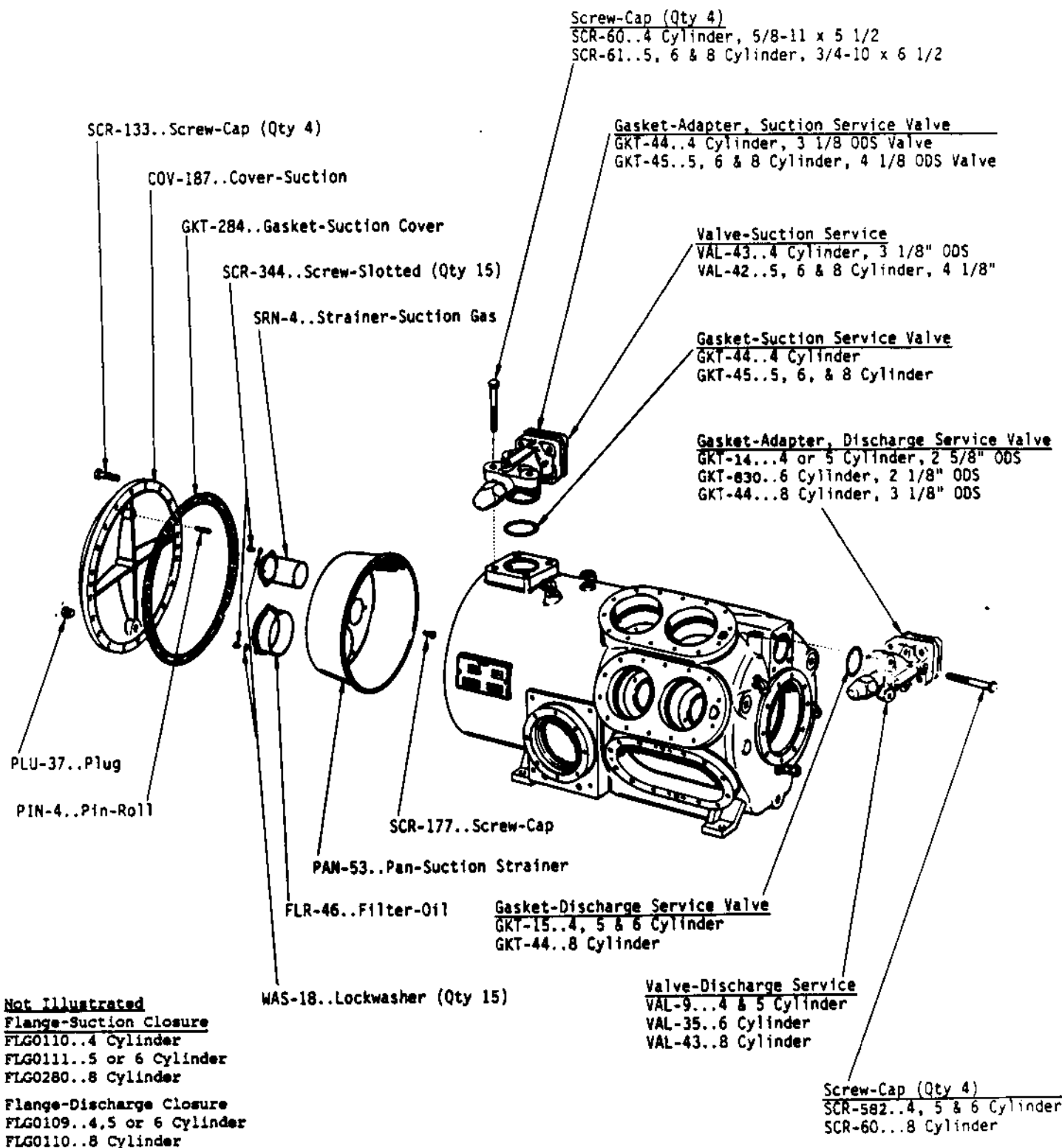
Contact your local Trane Parts Center for assistance or identification of any parts not identified in this parts list.

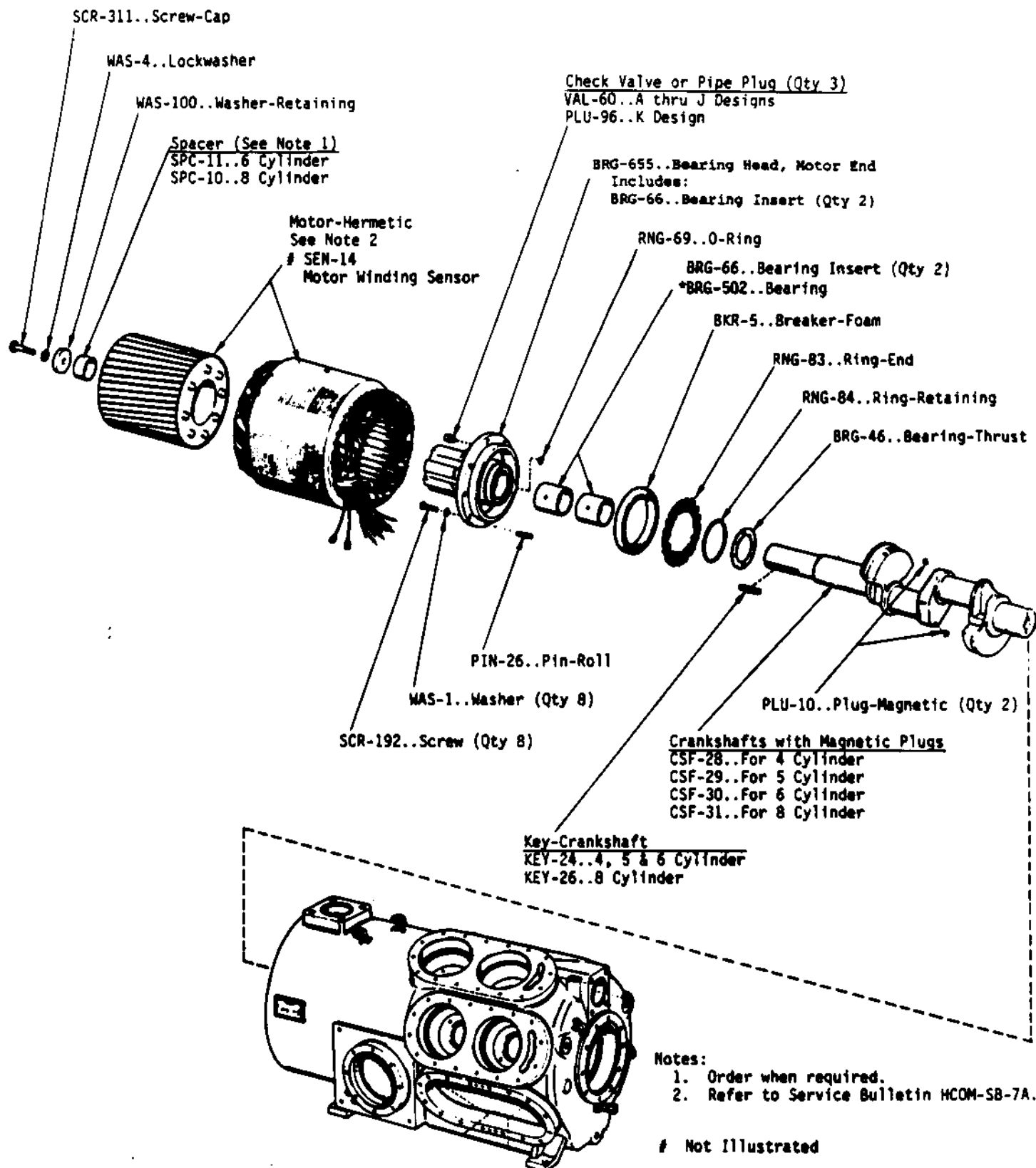
Since The Trane Company has a policy of continuous product improvement and parts standardization, it reserves the right to change specifications and design without notice. This parts list identifies known standardized parts and some parts changed by standardization. The installation and servicing of this equipment should be done by qualified, experienced technicians.

## Model Number Description

Trane products are identified by a multiple character model number that precisely identifies a particular type of unit. An explanation of the alphanumeric model number is shown below. It will enable the owner or Service Engineer to define operation, components and accessories.

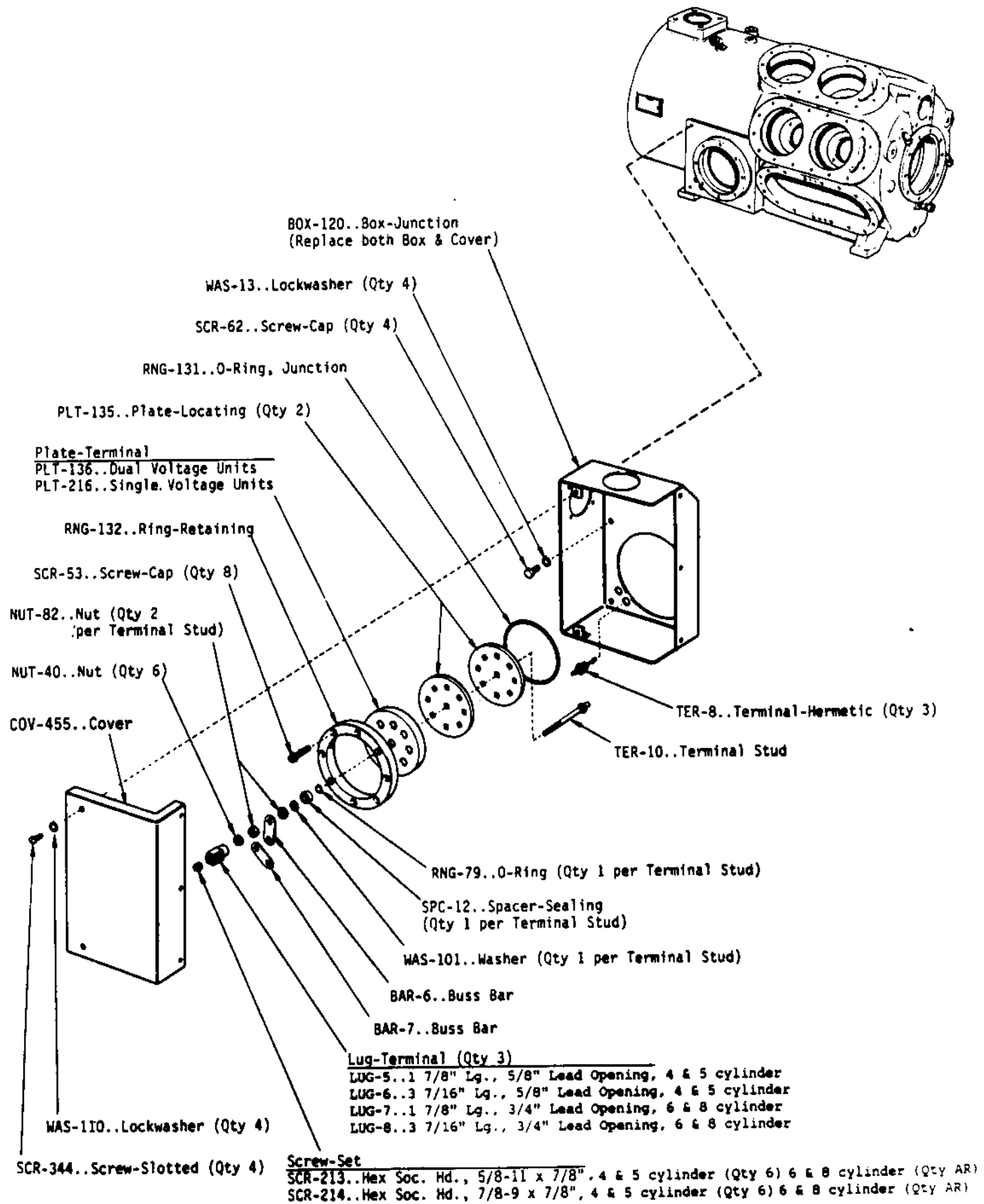


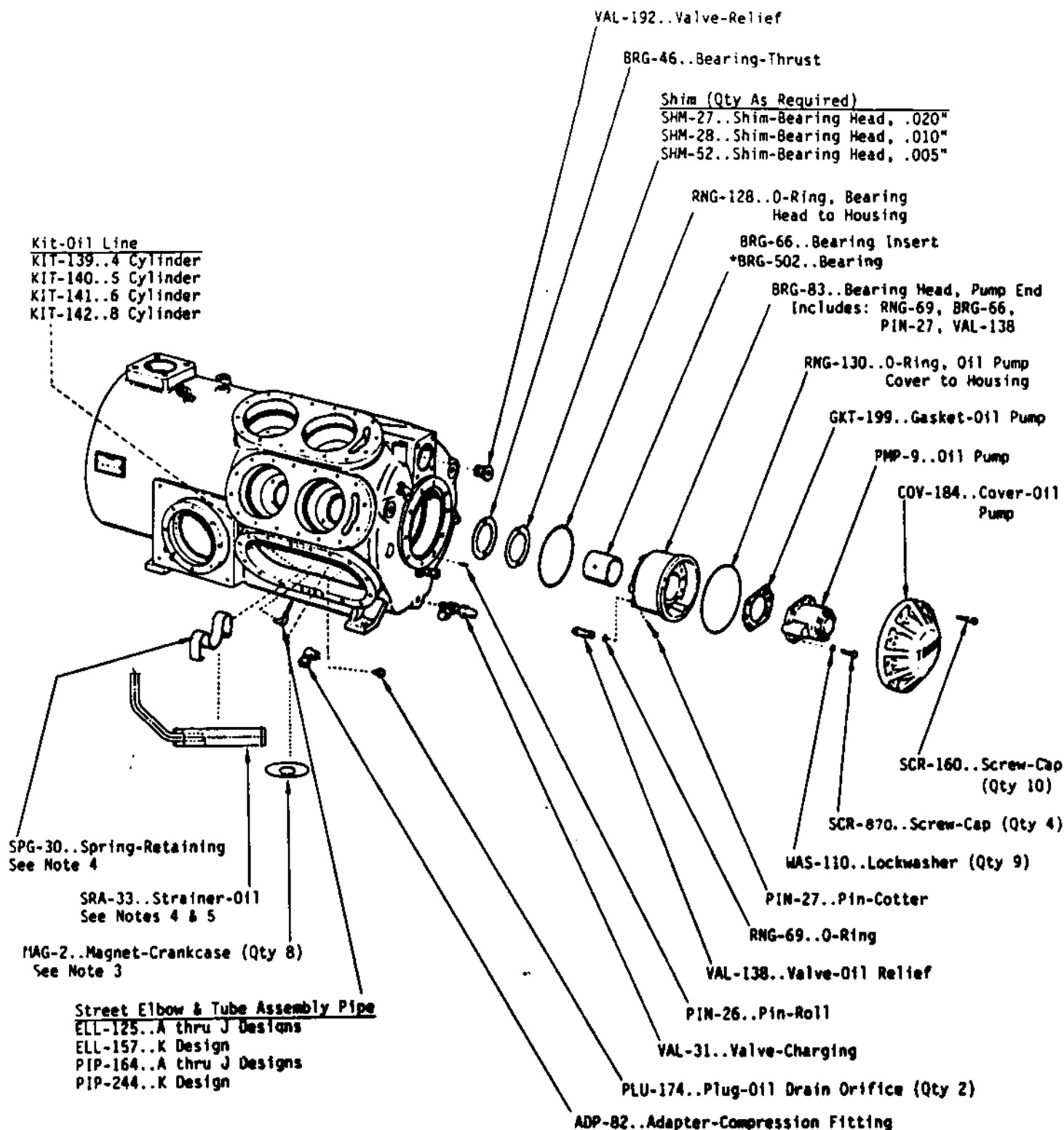




\* Undersized Bearing. Used on remanufactured compressors.  
Bearing must be used in conjunction with undersized crankshaft.  
See Service Bulletin..HCOM-SB-59.

# Junction Box Assembly

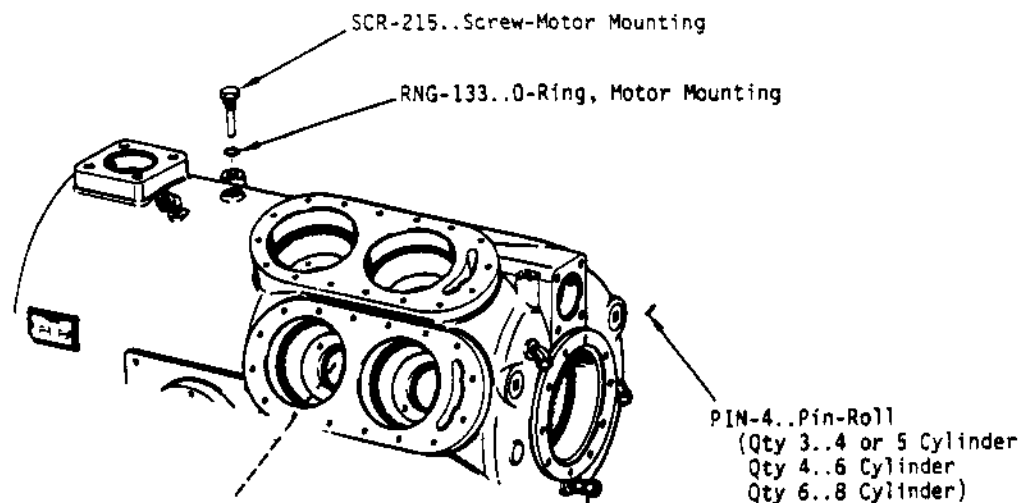




#### Notes:

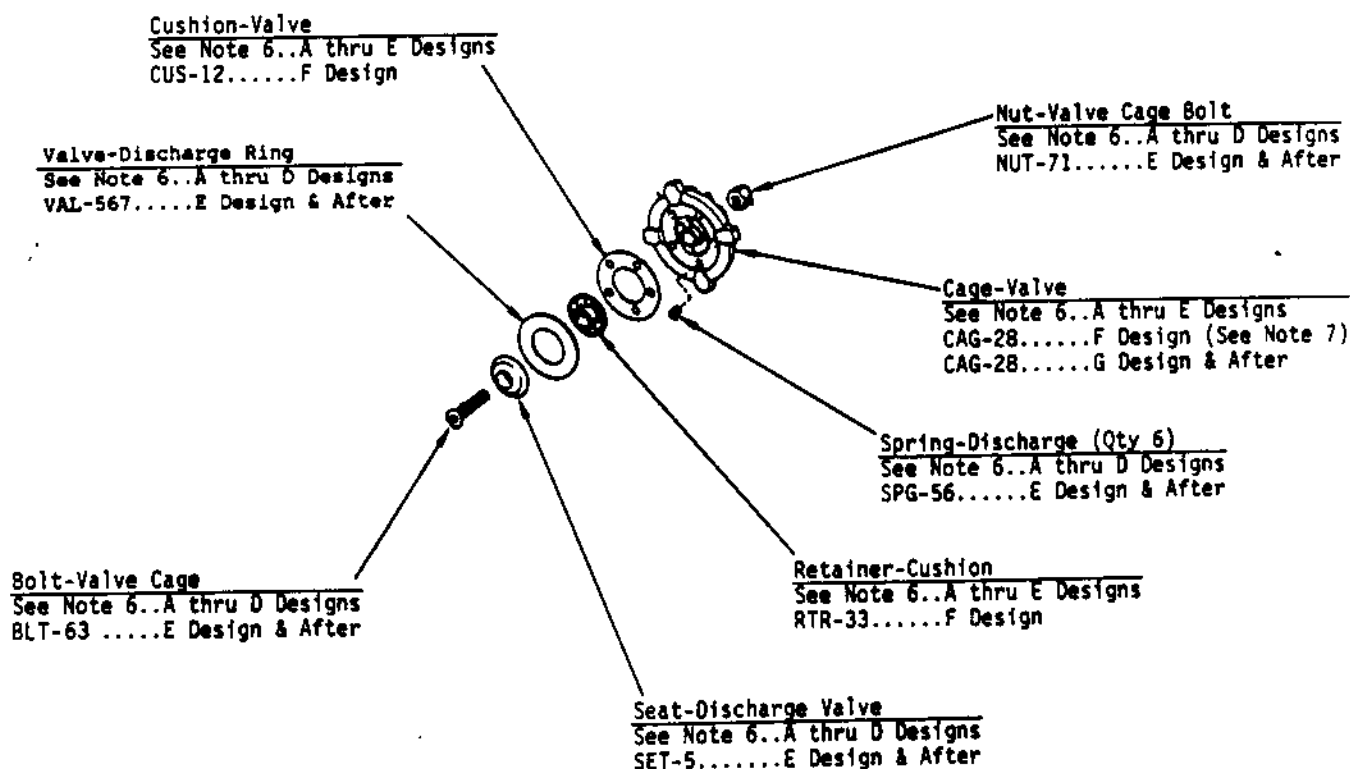
3. Eight Magnets have been added to the compressor crankcase to catch loose iron particles. These magnets should be added during compressor rebuild. Refer to Service Bulletin HCOM-SB-70A for magnet mounting locations.
4. The oil strainer has been changed from a flat rectangular design to a round design. The round oil strainer is a direct replacement for the flat rectangular oil strainer. The round strainer will be located to the side of the compressor crankcase and connects to the existing compression fitting in the compressor housing. The oil strainer spring is not required for the round strainer, but will be kept available for earlier design compressors if needed.
5. When replacing Oil Strainer, Elbow Adapter ADP-82, must also be replaced.

\* Undersized Bearing Insert. Used on remanufactured compressors. Bearing insert must be used in conjunction with undersized crankshaft. SEE SERVICE BULLETIN HCOM-SB-59.



ALL PARTS SHOWN BELOW ARE PER CYLINDER.

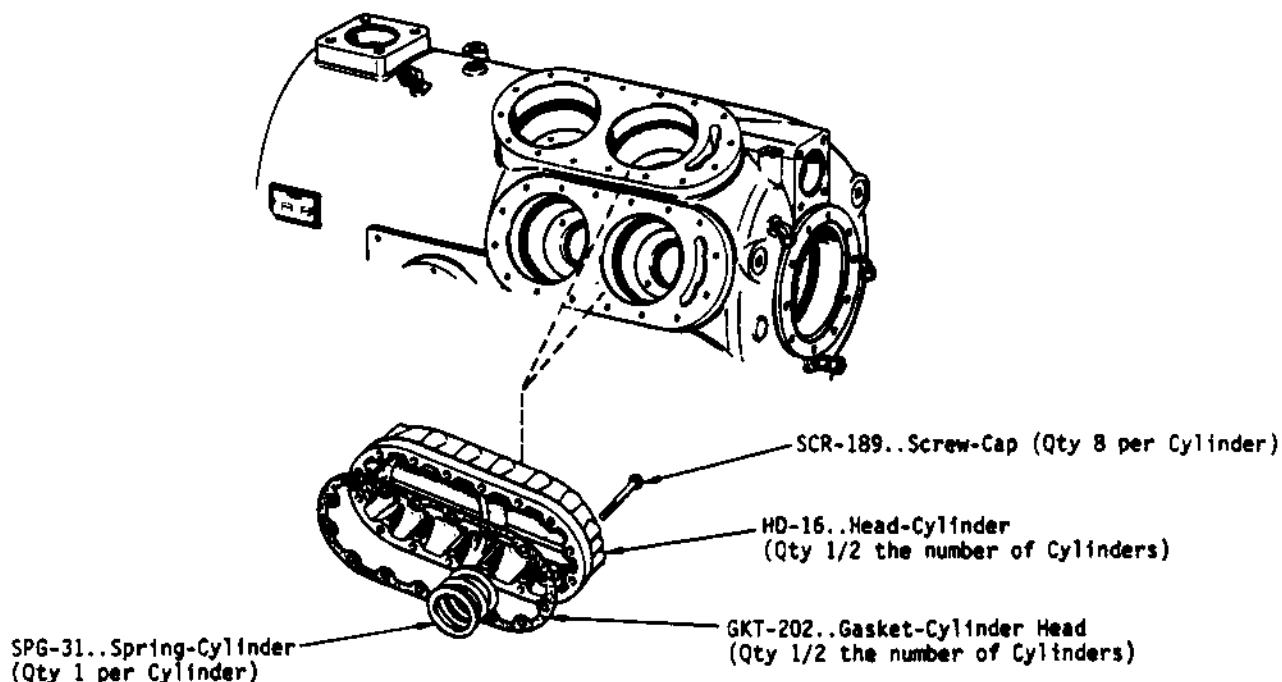
Discharge Valve Assembly Complete...VAL-1090  
Consists of items below:



NOTES:

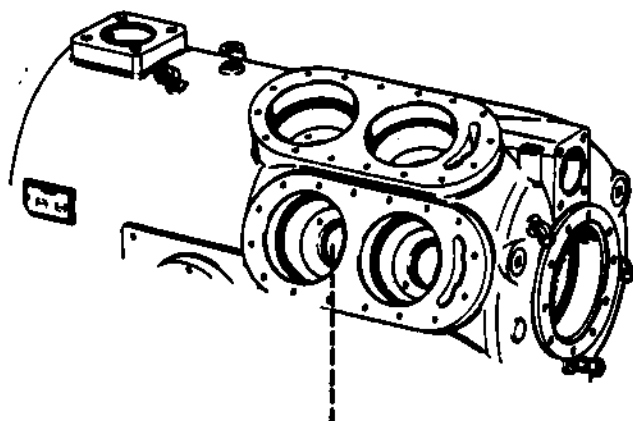
6. Component Parts of the Discharge Assembly cannot be ordered separately. When one of these components fails the complete discharge valve assembly must be replaced. The design sequences affected are noted by each component.
7. When replacing the discharge valve cage on the F Design Units, the valve cage presently used on the G Design & After (CAG-28) may be used for replacement by omission of the cushion and cushion retainer. These items have been replaced by a gas cushion incorporated into the design of CAG-28.

## Cylinder Head Assembly

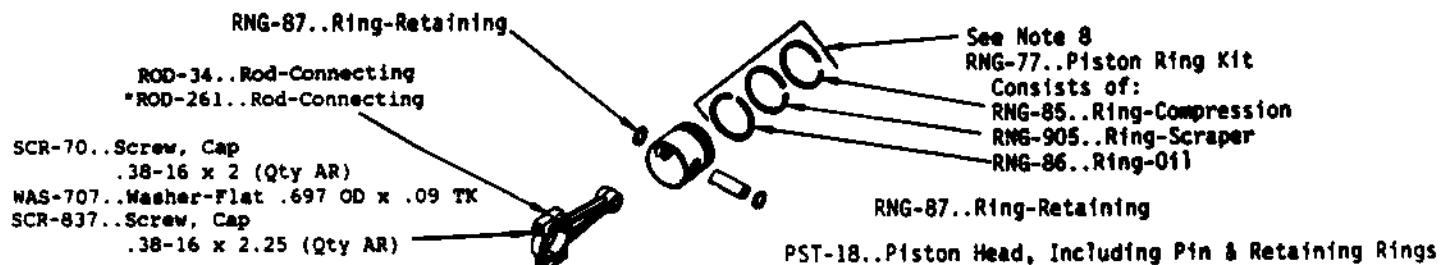


## Piston & Connecting Rod Assembly

(Qty 1 per Cylinder of all items shown below)



PST-17..Piston & Connecting Rod Assembly  
Consists of items shown below:



\* Undersized Rod. Used on remanufactured compressors. Rod must be used in conjunction with undersized crankshaft. See Service Bulletin..HCOM-SB-59.

### NOTE:

8. Ring Kit (RNG-77) Can Service both the three ring & 2 ring piston assembly. The two ring piston used only the Scraper Ring (RNG-905 and Compression Ring (RNG-85).



## Cylinder Liner Assembly, With Unloaders

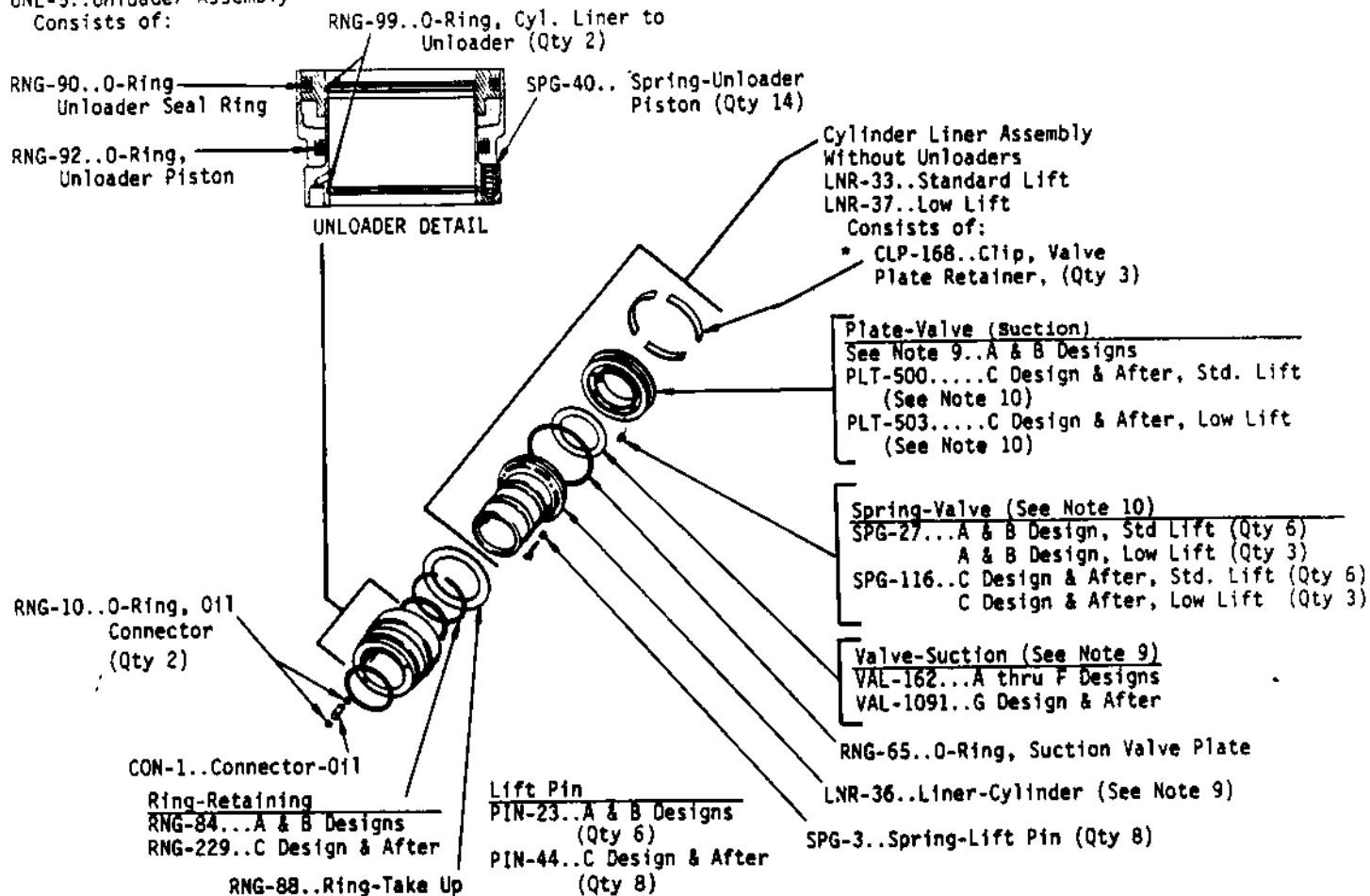
LNR-34..Cylinder Liner Assembly (Std. Lift Valve)  
 LNR-35..Cylinder Liner Assembly (Low Lift Valve)  
 Consists of items shown below:

KIT-180..Kit-Cylinder O-Ring (Qty 1 per Cylinder)  
 See Note 11  
 KIT-54...Kit-Compressor Gasket & O-Ring  
 See Note 12

Cylinder Liner Unloader Requirements

Number of Cylinders	No. Req. With Unloaders	No. Req. Without Unloaders
4	3	1
5	3	2
6	4	2
8	5	3

UNL-5..Unloader Assembly  
 Consists of:



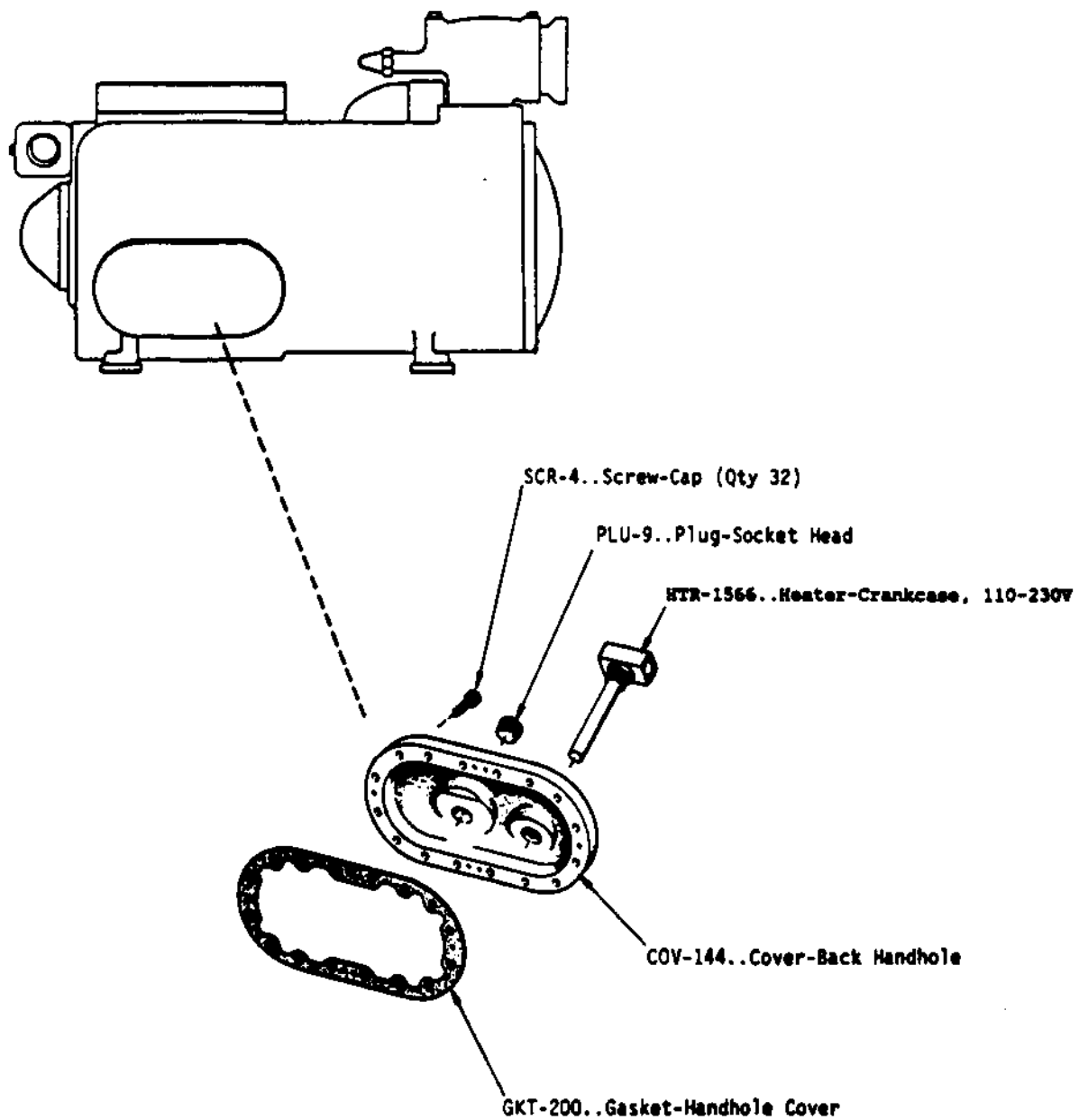
\* CLP-168 is a newer style retaining clip used to replace RNG-104. The clips are smaller than the original RNG-104 and should be spaced equal distance on the liner assembly. The new style retaining clips are directly interchangeable & may be intermixed on cylinder liner assemblies.

### NOTES:

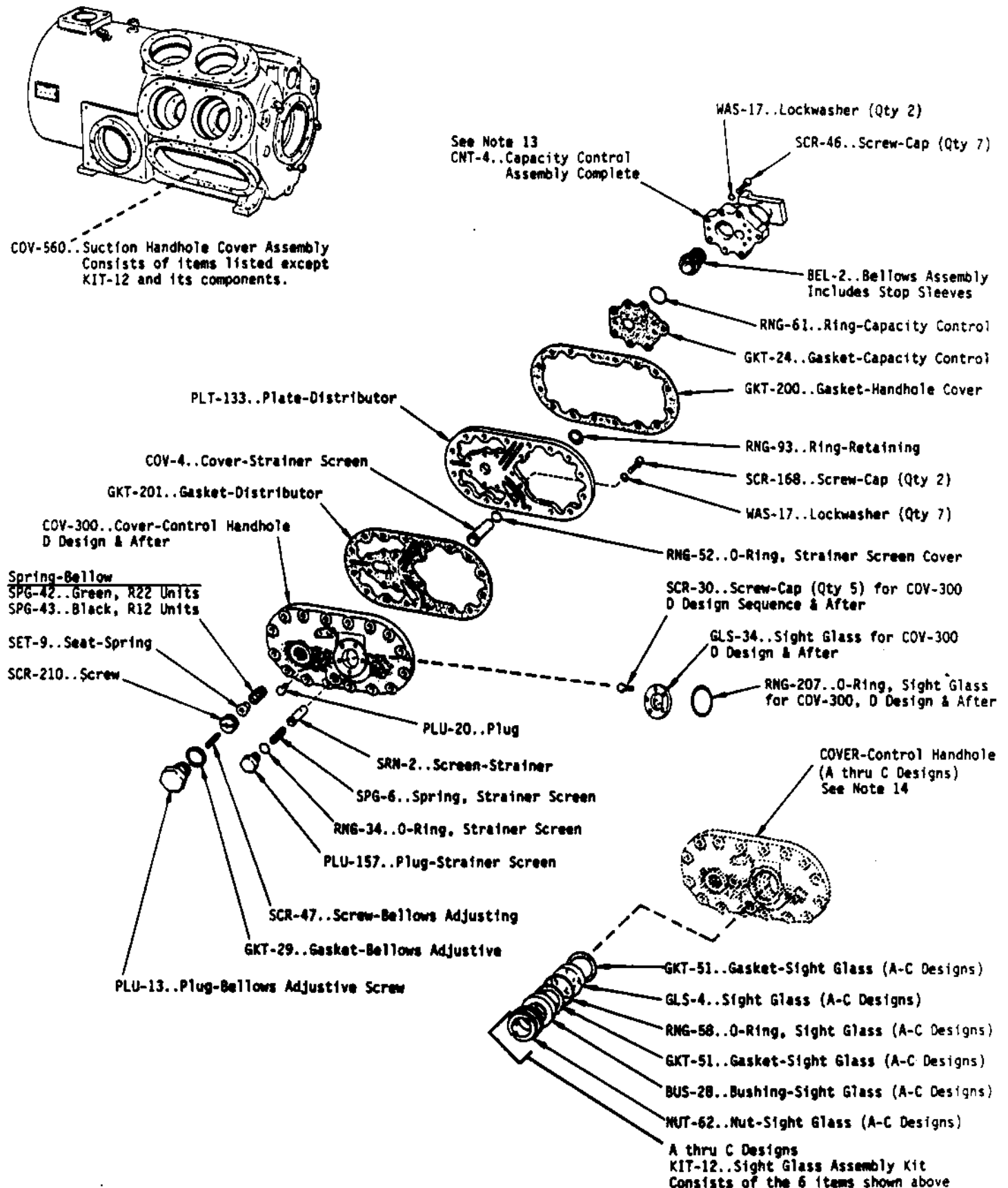
- When the Suction Valve Plate for the A & B Design Sequence Compressor is replaced, the Valve Spring, Suction Valve, Lift Pin & Retaining Ring must also be replaced with E Design Sequence material where referenced. If Compressor is C, D or E Design Sequence prior to Compressor Serial NO: 66H08C676, and either Valve Plate or Suction Valve require replacement, both items should be replaced. When replacing the cylinder liner also replace the Suction Valve with VAL-1091. For additional information, See Service Bulletin A43B.
- When replacing valve plate or springs, both must be replaced on units prior to design sequence "J".
- KIT-180 consists of: RNG-65, RNG-90, RNG-92, RNG-10 (Qty 2), RNG-99 (Qty 2)
- KIT-54 consists of one each: RNG-34, RNG-52, RNG-58, RNG-61, RNG-93, RNG-128, RNG-130, RNG-131, RNG-133, RNG-207, GKT-15, GKT-24, GKT-29, GKT-44, GKT-45, GKT-199, GKT-201, GKT-284; two each: RNG-69, GKT-51, GKT-200; three each: SHM-27, SHM-52; four each: GKT-202; nine each: RNG-38, RNG-79.

Note: One KIT-54 and required number of KIT-180 (Depending on the number of Compressor Cylinders), are required for Complete Compressor Overhaul. KIT-180 IS NOT INCLUDED IN KIT-54.

## Back Handhole Cover



## Handhole Cover - Suction Control

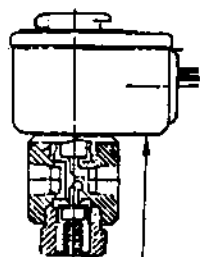


### NOTES:

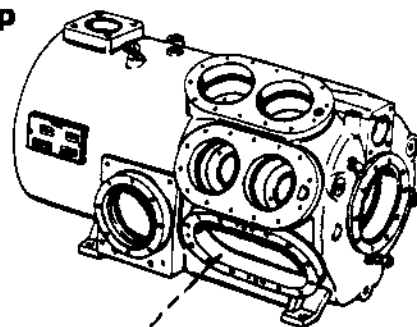
13. CNT-4 Consists of: BEL-3, RNG-61, GKT-24, SPG-42, SPG-43 & SET-9.

14. The Older Cover(Designs A-C) with Threaded Sight Glass has been obsoleted. However, replacement parts are shown in the illustration. If the older cover is to be replaced order COV-300.

## Control Handhole Cover — Solenoid Valve Remote, 2 Step



Remote Solenoid Valve Mounted on Unit & Connected to Compressor



VAL-545...Valve-Remote, Solenoid, 3 Way  
Asco No: CX-8320A15T, 110-120/50-60  
COL-824...Coil-Holding, 50/60HZ, 115V  
Asco No: 99-216-1 (Use with VAL-545)  
VAL-543...Valve-Remote, Solenoid, 3-Way  
Asco No: CX-8320A15T, 220-240/50-60  
COL-1233...Coil-Remote Solenoid Valve 220-240V  
Asco No: 96-619-2D (Use with VAL-543)

PLT-111..Plate-Distributor

GKT-200..Gasket-Handhole Cover

RNG-93..Ring-Retaining

SCR-168..Screw-Cap (Qty 2)

WAS-17..Lockwasher (Qty 2)

RNG-52..O-Ring, Strainer Screen Cover

COV-4..Cover-Strainer Screen

GKT-201..Gasket-Distributor

COV-301..Cover-Control Handhole D Design & After

SRN-2..Screen-Strainer

SPG-6..Spring-Strainer Screen

RNG-34..O-Ring, Strainer Screen

PLU-157..Plug, Strainer Screen

COVER-Control Handhole A thru C Designs (See Note 15)

GLS-34..Sight Glass D Design & After

RNG-207..O-Ring, Sight Glass D Design & After

SCR-30..Screw-Cap (Qty 5) D Design & After

PLU-20..Plug

A thru C Designs  
KIT-12..Sight Glass Assembly Kit  
Consists of the 6 items shown below

GKT-51..Gasket-Sight Glass (A-C Designs)

GLS-4..Sight Glass (A-C Designs)

RNG-58..O-Ring, Sight Glass (A-C Designs)

GKT-51..Gasket-Sight Glass (A-C Designs)

BUS-28..Bushing-Sight Glass (A-C Designs)

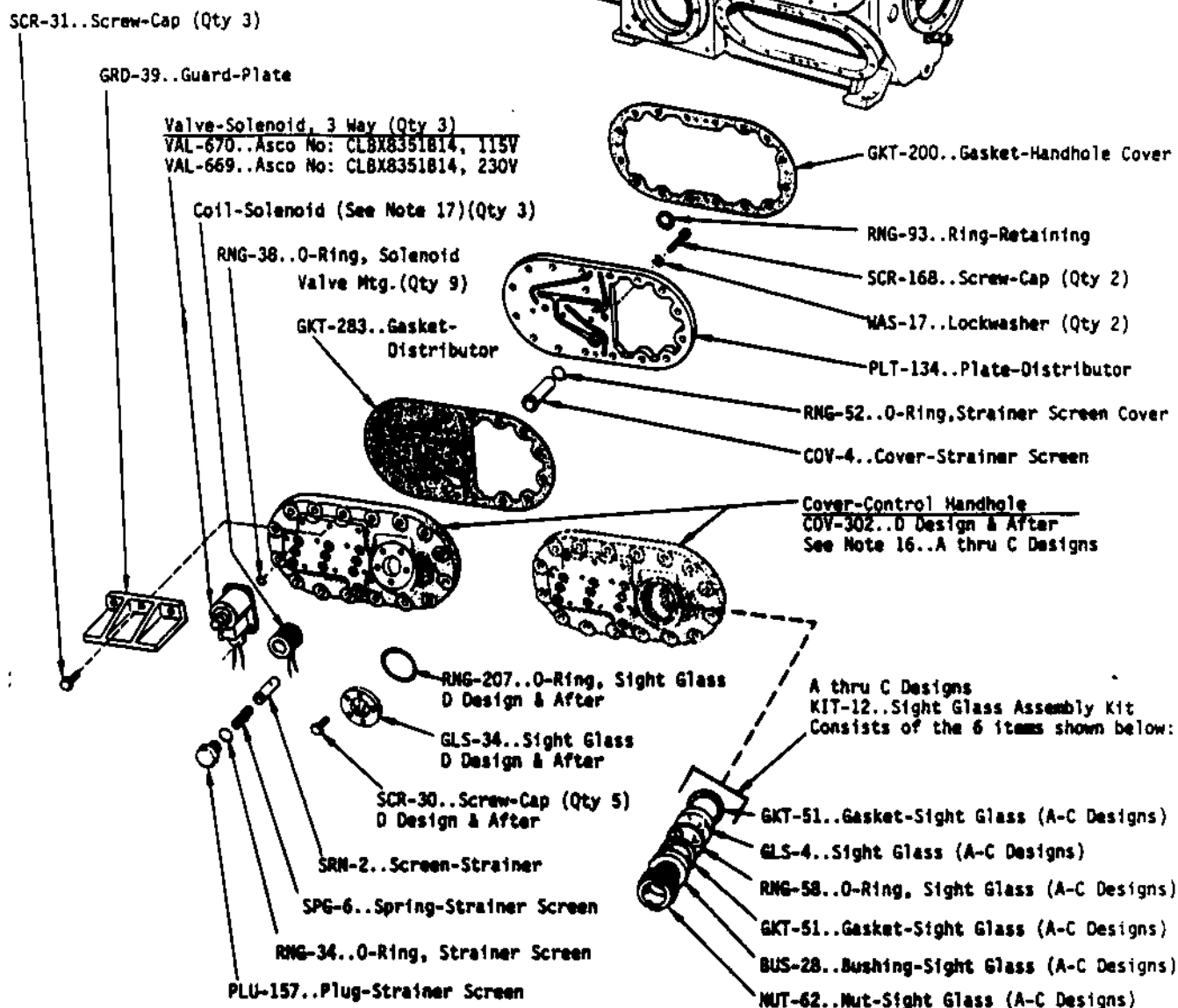
NUT-62..Nut-Sight Glass (A-C Designs)

### NOTE:

15. The older cover with Threaded Sight Glass has been obsoleted. However for replacement parts see illustration, GKT-200, WAS-17, RNG-93, SCR-168, COV-4, GKT-201, SCR-210, PLU-20, SPG-6, RNG-34, PLU-157, PLU-157, KIT-12 & PLT-111 are available for replacements. If the older cover is to be replaced, order the following: GKT-200, RNG-52, GKT-201, RNG-34, RNG-207, GLS-34, SCR-30 & COV-301.

## Control Handhole Cover — Solenoid Valve Mounted, 4 Step

COV-457..Electric Handhole Cover Assembly, 115V  
 COV-456..Electric Handhole Cover Assembly, 230V  
 Consist of items shown below:



### NOTE:

16. The older cover with threaded Sight Glass has been obsoleted. However replacements are available see illustration: GKT-200, WAS-17, RNG-93, SCR-168, RNG-52, COV-4, KIT-12, RNG-38, VAL-670, VAL-669, COL-70, COL-65, COL-824, COL-825, COL-2544, COL-2545, GRD-39, SCR-31, GKT-283 & PLT-134. If the older cover is to be replaced order: GKT-200, RNG-207, GLS-34, SCR-30, RNG-52, RNG-34, RNG-38, COV-302 & GKT-283.
17. The Asco Number and Voltage from Valve on Compressor must be known to order correct replacement. Not interchangeable.
  - COL-70....Coil-Solenoid, Asco No: 64-982-4, 115V, 50-60 Cycle  
(Use with Asco Valve no: 831551, 115 Volt)
  - COL-65....Coil-Solenoid, Asco No: 64-982-5, 230V, 50-60 Cycle  
(Use with Asco Valve No: 831551, 230V)
  - COL-824...Coil-Solenoid, Asco No: 99-216-1D, 115V, 50-60 Cycle  
(Use with Asco Valve No: CLBX8351814, 115V)
  - COL-825...Coil-Solenoid, Asco No: 99-216-2D, 230V, 50-60 Cycle  
(Use with Asco Valve No: CLBX8351814, 230V)
  - COL-2544..Coil-Solenoid, Product Engineer for use on VAL-669, 230V  
50-60 Cycle
  - COL-2545..Coil-Solenoid, Product Engineer for use on VAL-670, 115V  
50-60 Cycle

# PARTS INDEX

THIS IS A LISTING OF THE PART NUMBERS CONTAINED IN THE PARTS LIST AND IS IN ALPHA-NUMERIC ORDER TO MAKE PARTS IDENTIFICATION EASIER. THIS INDEX PROVIDES PART NUMBER, DESCRIPTION OF THE PART, QUANTITY AND WHETHER THE PART IS RECOMMENDED FOR LOCAL STOCK.

PART NO.		NO. REQ.	RLS
ADP-82	ADAPTER-COMPRESSION ELBOW, 5/8" OD X 3/8" MPT (NOT INCLUDED WITH SRA-33)	1	
BAR-6	BUSS BAR, JUNCTION BOX	1	+
BAR-7	BUSS BAR, JUNCTION BOX (SINGLE VOLTAGE UNITS USE 2, DUAL VOLTAGE UNITS USE 4)	AR	+
BEL-2	BELLOWS ASSEMBLY, INCLUDES BELLOWS STOP SLEEVES INCLUDED WITH CNT-4	1	
BKR-5	BREAKER-FOAM	1	
BLT-63	BOLT-VALVE CAGE FOR E DESIGN AND AFTER (FOR A THRU D DESIGNS SEE NOTE 6 OF PARTS LIST)	1	
BOX-120	BOX-JUNCTION (REPLACE BOTH BOX AND COVER)	1	
BRG-46	BEARING-THRUST, MOTOR END	2	+
BRG-66	BEARING INSERT FOR BEARING HEAD, MOTOR END	2	+
BRG-66	BEARING INSERT FOR BEARING, PUMP END	1	+
BRG-83	BEARING HEAD, PUMP END (INCLUDES BRG-66, RNG-69, VAL-138 & PIN-27)	1	+
BRG-502	BEARING-INSERT, UNDERSIZED	AR	+
BRG-655	BEARING HEAD, MOTOR END (INCLUDES BRG-66 (QTY 2)	1	+
BUS-28	BUSHING-SIGHT GLASS, A THRU C DESIGNS, HANDHOLE COVER	1	
CAG-28	CAGE-VALVE FOR G DESIGN & AFTER (FOR A THRU E DESIGNS SEE NOTE 6 OF PARTS LIST) (FOR F DESIGN SEE NOTE 7 OF PARTS LIST)	1	
CLP-168	CLIP, VALVE PLATE RETAINER FOR CYLINDER LINER ASSY.	3	+
CNT-4	CAPACITY CONTROL ASSEMBLY COMPLETE INCLUDES THE FOLLOWING: BEL-3, RNG-61, GKT-24, SPG-42, SPG-43, SET-9	1	+
COL-65	COIL-SOLENOID, ASCO NO: 64982-5, 230V, 50/60 CYCLE (USE WITH ASCO VALVE NO: 831551, 230V)	3	
COL-70	COIL-SOLENOID, ASCO NO: 64982-4, 115V, 50/60 CYCLE (USE WITH ASCO VALVE NO: 831551, 115 V)	3	
COL-824	COIL-SOLENOID, ASCO NO: 99-216-1D, 115V, 50/60 CYCLE (USE WITH ASCO VALVE NO: CLBX8351B14, 115V)	3	
	COIL-HOLDING, 115V, 50/60 CYCLE, ASCO # 99-216-1 (USE WITH VAL-545)	1	
COL-825	COIL-SOLENOID, ASCO NO: 99-216-2D, 230V, 50/60 CYCLE (USE WITH ASCO VALVE NO: CLBX8361B14, 230V)	3	
COL-1233	COIL-REMOTE SOLENOID VALVE, 220-240 VOLT, 50/60 CYCLE, ASCO NO. 96-619-2D (USE WITH VAL-543)	1	
COL-2544	COIL-SOLENOID, PRODUCT ENGINEER FOR USE ON VAL-669, 230V, 50/60 CYCLE	3	
COL-2545	COIL-SOLENOID, PRODUCT ENGINEER FOR USE ON VAL-670, 115V, 50/60 CYCLE	3	
CON-1	CONNECTOR-OIL, CYLINDER LINER ASSEMBLY	1	
COV-4	COVER-STRAINER SCREEN, HANDHOLE COVER	1	
COV-144	COVER-BACK HANDHOLE	1	
COV-184	COVER-OIL PUMP	1	
COV-187	COVER-SUCTION	1	
COV-300	COVER-CONTROL HANDHOLE FOR D THRU K DESIGNS ON A THRU C DESIGNS USE COV-300 WHEN REPLACING COVER COMPLETE OR USE PARTS SHOWN IN ILLUSTRATION WHEN REPLACING ONLY COMPONENT PARTS	1	

PART NO.		NO.	REQ.	RLS
COV-301	COVER-CONTROL HANDHOLE, D DESIGN & AFTER	1		
COV-302	COVER-CONTROL HANDHOLE (SEE NOTE 16)	1		
COV-455	COVER-JUNCTION BOX (REPLACE BOTH BOX & COVER)	1		
COV-456	COVER-ELECTRIC HANDHOLE, 230V, COMPLETE	1		
COV-457	COVER-ELECTRIC HANDHOLE, 115V, COMPLETE	1		
COV-560	COVER-SUCTION HANDHOLE ASSEMBLY, COMPLETE (FOR COMPONENT PARTS SEE ILLUSTRATION)	1		
CSF-28	CRANKSHAFT WITH MAGNETIC PLUGS FOR 4 CYLINDER	1	+	
CSF-29	CRANKSHAFT WITH MAGNETIC PLUGS FOR 5 CYLINDER	1	+	
CSF-30	CRANKSHAFT WITH MAGNETIC PLUGS FOR 6 CYLINDER	1	+	
CSF-31	CRANKSHAFT WITH MAGNETIC PLUGS FOR 8 CYLINDER	1	+	
CUS-12	CUSHION-VALVE FOR F DESIGN & AFTER (FOR A THRU E DESIGNS, SEE NOTE 6 OF PARTS LIST)	1		
ELL-125	ELBOW-STREET FOR A THRU J DESIGNS	1		
ELL-157	ELBOW-STREET FOR K DESIGN AND AFTER	1		
FLG-109	FLANGE-DISCHARGE CLOSURE, 4, 5 OR 6 CYLINDER	1		
FLG-110	FLANGE-DISCHARGE CLOSURE, 8 CYLINDER	1		
	FLANGE-SUCTION CLOSURE, 4 CYLINDER	1		
FLG-111	FLANGE-SUCTION CLOSURE, 5 OR 6 CYLINDER	1		
FLG-280	FLANGE-SUCTION CLOSURE, 8 CYLINDER	1		
FLR-46	FILTER-OIL	1	+	
GKT-14	GASKET-ADAPTER, DISCHARGE SERVICE VALVE (4 OR 5 CYL.)	1		
GKT-15	GASKET-DISCHARGE SERVICE VALVE (4,5 & 6 CYL.)	1		
GKT-24	GASKET-CAPACITY CONTROL, INCLUDED WITH CNT-4			
GKT-29	GASKET-BELLOWS ADJUSTIVE, SUCTION CONTROL HANDHOLE COVER	1		
GKT-44	GASKET-SUCTION SERVICE VALVE (4 CYL.)	1		
	-DISCHARGE SERVICE VALVE (8 CYL.)	1		
	-ADAPTER, SUCTION SERVICE VALVE (4 CYL.)	1		
	-ADAPTER, DISCHARGE SERVICE VALVE (8 CYL.)	1		
GKT-45	GASKET-SUCTION SERVICE VALVE (5,6,& 8 CYL.)	1		
	-ADAPTER, SUCTION SERVICE VALVE (5,6, & 8 CYL.)	1		
GKT-51	GASKET-SIGHT GLASS, A THRU C DESIGNS, HANDHOLE COVER	2		
GKT-199	GASKET-OIL PUMP	1		
GKT-200	GASKET-BACK HANDHOLE COVER -HANDHOLE COVER	1 1		
GKT-201	GASKET-DISTRIBUTOR, HANDHOLE COVER	1		
GKT-202	GASKET-CYLINDER HEAD (QTY 1/2 PER CYLINDER)	AR		
GKT-283	GASKET-DISTRIBUTOR, ELECTRIC HANDHOLE COVER	1		
GKT-284	GASKET-SUCTION COVER	1		
GKT-830	GASKET-ADAPTER, DISCHARGE SERVICE VALVE (6 CYL)	1		
GLS-4	SIGHT GLASS FOR A THRU C DESIGNS, HANDHOLE COVER	1		
GLS-34	SIGHT GLASS, D DESIGN AND AFTER, HANDHOLE COVER	1	+	
GRD-39	GUARD-PLATE, ELECTRIC HANDHOLE COVER	1		
HD-16	HEAD-CYLINDER (QTY 1/2 THE NUMBER OF CYLINDERS)	AR		
HTR-1566	HEATER-CRANKCASE, 110-220V	1		
KEY-24	KEY-CRANKSHAFT, 1/2 X 1/2 X 3 1/8 (R-22) UNITS FOR 4, 5, OR 6 CYLINDER	1		
KEY-26	KEY-CRANKSHAFT, 1/2 X 1/2 X 5 3/8 (R-22) UNITS FOR 8 CYLINDER	1		
KIT-12	KIT-SIGHT GLASS ASSEMBLY, A THRU C DESIGNS, HANDHOLE COVER	1		
KIT-54	KIT-COMPRESSOR GASKET & O-RING, SEE NOTE 12 CONSISTS OF	1		
KIT-139	KIT-OIL LINE, 4 CYLINDER	1		
KIT-140	KIT-OIL LINE, 5 CYLINDER	1		
KIT-141	KIT-OIL LINE, 6 CYLINDER	1		

PART NO.		NO.	
KIT-142	KIT-OIL LINE, 8 CYLINDER	REQ.	RLS
KIT-180	KIT-CYLINDER O-RING, SEE NOTE 11 FOR THE CONSISTS OF	1	
LNR-33	CYLINDER LINER ASSEMBLY, WITHOUT UNLOADERS, STANDARD	1	
	LIFT VALVE	AR	
LNR-34	CYLINDER LINER ASSEMBLY, WITH UNLOADERS, STANDARD	AR	
	LIFT VALVE		
LNR-35	CYLINDER LINER ASSEMBLY, WITH UNLOADERS, LOW LIFT	AR	
	VALVE		
LNR-36	CYLINDER LINER	AR	
LNR-37	CYLINDER LINER ASSEMBLY, WITHOUT UNLOADERS, LOW LIFT	AR	
	VALVE		
LUG-5	LUG-TERMINAL, 1 7/8" LG., 5/8" LEAD OPENING	3	
LUG-6	LUG-TERMINAL, 3 7/16" LG., 5/8" LEAD OPENING	3	
LUG-7	LUG-TERMINAL, 1 7/8" LG., 3/4" LEAD OPENING	3	
LUG-8	LUG-TERMINAL, 3 7/16" LG., 3/4" LEAD OPENING	3	
MAG-2	MAGNET-CRANKCASE	8	
	EIGHT MAGNETS HAVE BEEN ADDED TO THE COMPRESSOR		
	CRANKCASE TO CATCH LOOSE IRON PARTICLES. THESE		
	MAGNETS SHOULD BE ADDED DURING COMPRESSOR REBUILD.		
	REFER TO SERVICE BULLETIN HCOM-SB-70A FOR MAGNET		
	MOUNTING LOCATIONS.		
MOTOR	MOTOR-HERMETIC (REFER TO SERVICE BULLETIN HCOM-SB-7A)	1	
NUT-40	NUT-JAM, 1/2-13, JUNCTION BOX	6	+
NUT-62	NUT-SIGHT GLASS, A THRU C DESIGNS, HANDHOLE COVER	1	
NUT-71	NUT-VALVE CAGE BOLT, "E" DESIGN AND AFTER	1	
	(FOR A THRU D DESIGNS SEE NOTE 6 OF PARTS LIST)		
NUT-82	NUT-HEX, 1/2-13, JUNCTION BOX (SINGLE VOLTAGE UNITS	AR	+
	USE 12, DUAL VOLTAGE UNITS USE 18)		
PAN-53	PAN-SUCTION STRAINER	1	
PIN-4	PIN-ROLL, 3/16 X 1	AR	
PIN-23	PIN-LIFT FOR A & B DESIGNS	6	
PIN-26	PIN-ROLL, 1/8 X 1/2, MOTOR END & PUMP END	2	
PIN-27	PIN-COTTER	1	
PIN-44	PIN-LIFT FOR C DESIGN AND AFTER	8	
PIP-164	PIPE-TUBE ASSEMBLY FOR A THRU J DESIGNS	1	
PIP-244	PIPE-TUBE ASSEMBLY FOR K DESIGN AND AFTER	1	
PLT-111	PLATE-DISTRIBUTOR, HANDHOLE COVER	1	
PLT-133	PLATE-DISTRIBUTOR, SUCTION CONTROL HANDHOLE COVER	1	
PLT-134	PLATE-DISTRIBUTOR, ELECTRIC HANDHOLE COVER ASSY.	1	
PLT-135	PLATE-LOCATING, JUNCTION BOX	2	+
PLT-136	PLATE-TERMINAL (FOR DUAL VOLTAGE UNITS)	1	+
	JUNCTION BOX		
PLT-216	PLATE-TERMINAL (FOR SINGLE VOLTAGE UNITS)	1	+
	JUNCTION BOX		
PLT-442	PLATE-SUCTION STRAINER CLOSURE	AR	
PLT-500	PLATE-VALVE FOR C DESIGN AND AFTER SEE NOTE 10 OF	1	
	PARTS LIST (STD. LIFT VALVE) FOR A OR B DESIGN		
	SEE NOTE 9		
PLT-503	PLATE-VALVE FOR C DESIGN AND AFTER SEE NOTE 10 OF	1	
	PARTS LIST (LOW LIFT VALVE) FOR A OR B DESIGN		
	SEE NOTE 9		
PLU-9	PLUG-SOCKET HEAD, 1" NPT, BACK HANDHOLE COVER	1	
PLU-10	PLUG-MAGNETIC	2	+
PLU-13	PLUG-BELLOWS ADJUSTING SCREW, SUCTION CONTROL	1	
	HANDHOLE COVER		



PART NO.		NO. REQ.	RLS
PLU-20	PLUG-HEX. HD., 1/8", SUCTION CONTROL HANDHOLE COVER	1	
PLU-37	PLUG-HEX HD., 1/4 NPT.	1	
PLU-96	PLUG-PIPE FOR K DESIGN AND AFTER	3	
PLU-157	PLUG-STRAINER SCREEN, SUCTION CONTROL HANDHOLE COVER	1	
PLU-174	PLUG-OIL DRAIN ORIFICE	2	
PMP-9	PUMP-OIL	1	+
PST-17	PISTON & CONNECTING ROD ASSEMBLY (QTY 1 PER CYL.)	AR	+
PST-18	PISTON HEAD, INCLUDING PIN AND RETAINING RINGS (QTY 1 PER CYLINDER)	AR	
RNG-10	O-RING, OIL CONNECTOR	2	
RNG-34	O-RING, STRAINER SCREEN, HANDHOLE COVER	1	
RNG-38	O-RING, SOLENOID VALVE MOUNTING, ELECTRIC HANDHOLE COVER	9	
RNG-52	O-RING, STRAINER SCREEN COVER, SUCTION CONTROL HANDHOLE COVER	1	
RNG-58	O-RING, SIGHT GLASS, A THRU C DESIGNS, HANDHOLE COVER	1	
RNG-61	RING-CAPACITY CONTROL, INCLUDED WITH CNT-4	1	
RNG-65	O-RING, SUCTION VALVE PLATE	1	
RNG-69	O-RING, BEARING HEAD-MOTOR END & PUMP END	2	+
RNG-77	PISTON RING KIT (QTY 1 PER CYLINDER)	AR	
RNG-79	O-RING, JUNCTION BOX (SINGLE VOLTAGE UNITS USE 6 DUAL VOLTAGE UNITS USE 9)	AR	+
RNG-83	RING-END	1	
RNG-84	RING-RETAINING	2	
RNG-85	RING-COMPRESSION FOR PISTON RING KIT	1	
RNG-86	RING-OIL FOR PISTON RING KIT	1	
RNG-87	RING-RETAINING, PISTON & CONNECTING ROD ASSEMBLY	2	
RNG-88	RING-TAKE UP	1	
RNG-90	O-RING, UNLOADER SEAL RING	1	
RNG-92	O-RING, UNLOADER PISTON	1	
RNG-93	RING-RETAINING, HANDHOLE COVER	1	
RNG-99	O-RING, CYLINDER LINER TO UNLOADER	2	
RNG-128	O-RING, BEARING HEAD TO HOUSING	1	
RNG-130	O-RING, OIL PUMP COVER TO HOUSING	1	
RNG-131	O-RING, JUNCTION BOX	1	
RNG-132	RING-RETAINING, JUNCTION BOX	1	+
RNG-133	O-RING, MOTOR MOUNTING	1	
RNG-207	O-RING, SIGHT GLASS FOR COV-300, D DESIGN & AFTER	1	+
RNG-229	RING-RETAINING FOR C DESIGN & AFTER	1	
RNG-905	RING-SCRAPER FOR PISTON RING KIT	1	
ROD-34	ROD-CONNECTING (QTY 1 PER CYLINDER)	AR	
ROD-261	ROD-CONNECTING, UNDERSIZED (QTY 1 PER CYLINDER)	AR	
RTR-33	RETAINER-CUSHION FOR F DESIGN AND AFTER (FOR A THRU E DESIGNS, SEE NOTE 6 OF PARTS LIST)	1	
SCR-4	SCREW-CAP, HEX HEAD, 9/16-12 X 2, BACK HANDHOLE COVER	32	
SCR-30	SCREW-CAP, HEX HD., 1/4-20 X 3/4, D DESIGN & AFTER FOR COV-300	5	
SCR-31	SCREW-CAP, HEX. HD., 5/16-18 X 7/8", ELECTRIC HANDHOLE COVER	3	
SCR-46	SCREW-CAP, 12 PT. HD., 3/8-24 X 1 3/4, SUCTION CONTROL HANDHOLE COVER ASSEMBLY	7	
SCR-47	SCREW-BELLOW ADJUSTING, SUCTION CONTROL HANDHOLE COVER	1	

PART NO.		NO.	REQ.	RLS
SCR-53	SCREW-CAP, 12 PT. HD., 7/16-20 X 1 1/4, JUNCTION BOX	8		+
SCR-60	SCREW-CAP, HEX HD., 5/8-11 X 5 1/2, 4 & 8 CYLINDER	8		
SCR-61	SCREW-CAP, HEX HD., 3/4-10 X 6 1/2, 5,6 & 8 CYLINDER	4		
SCR-62	SCREW-CAP, HEX HD., 3/8-16 X 3/4", JUNCTION BOX	4		
SCR-70	SCREW-CAP, .38-16 X 2.00	AR		
SCR-133	SCREW-CAP, HEX HD., 5/8-11 X 1 3/4	24		
SCR-160	SCREW-CAP, HEX HD., 7/16-14 X 1 1/2	10		
SCR-168	SCREW-CAP, 12 PT. HD., 3/8-24 X 1, HANDHOLE COVER	2		
SCR-177	SCREW-CAP, HEX SOC. HD., 1/4-28 X 1/2	1		
SCR-189	SCREW-CAP, HEX., 9/16-12 X 3, CYLINDER HEAD ASSY. (QTY 8 PER CYLINDER)	AR		
SCR-192	SCREW-CAP, 12 PT. HEAD, 1/2-20 X 1 1/4	8		
SCR-210	SCREW, SUCTION CONTROL HANDHOLE COVER	1		
SCR-213	SCREW-SET, HEX SOC HD., 5/8-11 X 7/8", JUNCTION BOX	AR		
SCR-214	SCREW-SET, HEX SOC HD., 7/8-9 X 7/8", JUNCTION BOX	AR		
SCR-215	SCREW-MOTOR MOUNTING	1		
SCR-311	SCREW-CAP, HEX. SOC. HD. 3/4-10 X 2	1		
SCR-344	SCREW-SLOTTED HEX., NO. 10-32 X 1/2	19		
SCR-582	SCREW-CAP, HEX HD., 5/8-11 X 4 1/4, 4, 5 & 6 CYL.	4		
SCR-837	SCREW-CAP, .38-16 X 2.25	AR		
SCR-870	SCREW-CAP, .31-24 X 1	4		
SEN-14	SENSOR-MOTOR WINDING	1		
SET-5	SEAT-DISCHARGE VALVE FOR E DESIGN AND AFTER (FOR A THRU D DESIGNS SEE NOTE 6 OF PARTS LIST)	1		
SET-9	SEAT-SPRING	1		
SHM-27	SHIM-BEARING HEAD, .020"	AR		
SHM-28	SHIM-BEARING HEAD, .010"	AR		
SHM-52	SHIM-BEARING HEAD, .005"	AR		
SPC-10	SPACER FOR 8 CYLINDER (USE ONLY WHEN REQUIRED)	1		
SPC-11	SPACER FOR 6 CYLINDER (USE ONLY WHEN REQUIRED)	1		
SPC-12	SPACER-SEALING, JUNCTION BOX (SINGLE VOLTAGE UNITS USE 6, DUAL VOLTAGE UNITS USE 9)	AR		+
SPG-3	SPRING-LIFT PIN	8		
SPG-6	SPRING-STRAINER SCREEN, HANDHOLE COVER	1		
SPG-27	SPRING-VALVE FOR A & B DESIGNS, STD LIFT FOR A & B DESIGNS, LOW LIFT	6		
SPG-30	SPRING-RETAINING (SEE NOTE 4 OF PARTS LIST)	3		
SPG-31	SPRING-CYLINDER (QTY 1 PER CYLINDER)	1		
SPG-40	SPRING-UNLOADER PISTON	14		
SPG-42	SPRING-BELLOW, GREEN, R22 UNITS, INCLUDED WITH CNT-4 SUCTION CONTROL HANDHOLE COVER	1		
SPG-43	SPRING-BELLOW, BLACK, R12 UNITS, INCLUDED WITH CNT-4 SUCTION CONTROL HANDHOLE COVER	1		
SPG-56	SPRING-DISCHARGE FOR E DESIGN AND AFTER (FOR A THRU D DESIGNS SEE NOTE 6 OF PARTS LIST)	6		
SPG-116	SPRING-VALVE FOR C DESIGNS AND AFTER, STD LIFT FOR C DESIGNS AND AFTER, LOW LIFT	6		
SRA-33	STRAINER-OIL (SEE NOTES 4 & 5 OF PARTS LIST)	3		
SRN-2	SCREEN-STRAINER, HANDHOLE COVER	1		
SRN-4	STRAINER-SUCTION GAS (4 CYL. USE 2, 5 & 6 CYL. USE 3 & 8 CYL. USE 4)	AR		
TER-8	TERMINAL-HERMETIC, JUNCTION BOX	3		+
TER-10	TERMINAL STUD, JUNCTION BOX (SINGLE VOLTAGE UNITS USE 6, DUAL VOLTAGE UNITS USE 9)	AR		

PART NO.		NO.	
		REQ.	RLS
UNL-5	UNLOADER ASSEMBLY COMPLETE	1	+
VAL-9	VALVE-DISCHARGE SERVICE, 2 1/8" O.D.S. (4 & 5 CYL.)	1	
VAL-31	VALVE-CHARGING, 3/8" FLARE X 3/8" N.P.T.	1	
VAL-35	VALVE-DISCHARGE SERVICE, 2 5/8" O.D.S. (6 CYL.)	1	
VAL-42	VALVE-SUCTION SERVICE, 4 1/8" O.D.S. (5,6,& 8 CYL.)	1	
VAL-43	VALVE-SUCTION SERVICE, 3 1/8" O.D.S. (4 CLY.)	1	
	-DISCHARGE SERVICE, 3 1/8" O.D.S. (8 CYL.)	1	
VAL-60	VALVE-CHECK FOR A THRU J DESIGNS	3	
VAL-138	VALVE-OIL RELIEF	1	+
VAL-162	VALVE-SUCTION FOR A THRU F DESIGNS (SEE NOTE 9)	1	+
VAL-192	VALVE-RELIEF, 385 PSI	1	+
VAL-543	VALVE-REMOTE, SOLENOID, 3 WAY, ASCO NO. CX-8320A15T, 220-240/50-60	1	
VAL-545	VALVE-REMOTE, SOLENOID, 3-WAY, ASCO NO. CX-8320A15T, 110-120/50-60	1	
VAL-567	VALVE-DISCHARGE FOR E DESIGN AND AFTER (FOR A THRU D DESIGNS SEE NOTE 6 OF PARTS LIST)	1	
VAL-669	VALVE-SOLENOID, 3-WAY, 115V, 50/60 CYCLE ASCO NO: CLBX8351B14	3	
VAL-670	VALVE-SOLENOID, 3-WAY, 230V, 50/60 CYCLE ASCO NO: CLBX8351B14	3	
VAL-1090	DISCHARGE VALVE ASSEMBLY COMPLETE (QTY 1 PER CYL.)	AR	
VAL-1091	VALVE-SUCTION FOR G DESIGN AND AFTER (SEE NOTE 9)	1	+
WAS-1	LOCKWASHER, 1/2"	8	
WAS-4	LOCKWASHER, 3/4"	1	
WAS-13	LOCKWASHER, 3/8", JUNCTION BOX	4	
WAS-17	LOCKWASHER, 3/8"	9	
WAS-18	LOCKWASHER, STEEL, NO. 10	15	
WAS-100	WASHER-RETAINING	1	
WAS-101	WASHER, JUNCTION BOX (SINGLE VOLTAGE UNITS USE 6, DUAL VOLTAGE UNITS USE 9)	AR	+
WAS-110	LOCKWASHER, 5/16"	13	
WAS-707	WASHER, FLAT .697 OD X .09 TK	1	