

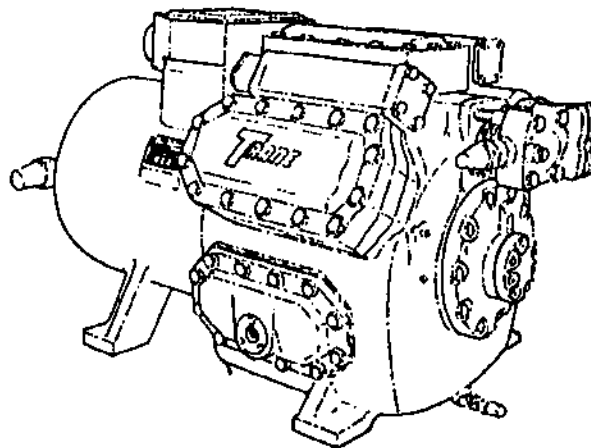
**TRANE**

SEMI-HERMETIC RECIPROCATING COMPRESSOR

HCOM-UP-40D

Unit Parts

Model(s)
Model "R"
4 Cylinder "H" Design, 35 Ton
4 Cylinder "B,C,D,E,F,G & H" Designs, 40 Ton
6 Cylinder "C,D,E,F,G & H" Designs, 50 & 60 Ton



Library	Unit Parts Literature
Product Section	Refrigeration
Product	Compressor-Condensing Unit
Model	HCOM
Literature Type	Unit Parts
Sequence	40D
Date	April, 1990
File No.	UP-RF-COM-HCOM-UP-40D-490
Supersedes	HCOM-UP-40C-389

Literature Change:

Changed RTR42 to RTR94, General Update

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 other parts changed by standardization. The installation and servicing of this equipment should be done by qualified, experienced technicians.

Model Number Description

C R H R - 600 C - 4 H A T
 1 2 3 4 5 6 7 8 9 10 11 12

1st Digit

Unit

C = Compressor

2nd Digit

Type of Compressor

R = Reciprocating Piston

3rd Digit

Type of Drive

H = Hermetic

4th Digit

Development Sequence

R = 1750 RPM Horizontal Serviceable

5th, 6th & 7th Digit

Nominal Size Displacement & Number of Cylinders

Development Sequence	Refrigerant	Cu. In. Rev.	No. Cylinders
350 = R	R-22 & R502	85.46	4 Std. Lift Valves
400 = R	R-22 & R502	102.08	4 Std. Lift Valves
500 = R	R-22 & R502	128.19	6 Std. Lift Valves
600 = R	R-22 & R502	153.12	6 Std. Lift Valves
260 = R	R-12	102.08	4 Std. Lift Valves
320 = R	R-12	128.19	6 Std. Lift Valves
380 = R	R-12	153.12	6 Std. Lift Valves
401 = R	R-22 & R502	102.08	4 Low Lift Valves
501 = R	R-22 & R502	128.19	6 Low Lift Valves
601 = R	R-22 & R502	153.12	6 Low Lift Valves
261 = R	R-12	102.08	4 Low Lift Valves
321 = R	R-12	128.19 6	6 Low Lift Valves
381 = R	R-12	153.12 6	6 Low Lift Valves

8th Digit

Electrical Characteristics

Nominal	Min. Volts	Max. Volts
A = 200/60/3	180	220
B = 230/460/60/3	207/253	414/506
C = 460/60/3	416	508
D = 575/60/3	520	635
F = 220/50/3	198	253
G = 400/50/3	343	456
W = 230/60/3	208	254
Y = 200/50/3	180	220

9th Digit

Number of Cylinders That Unload

0 = None

1 = One Cylinder

2 = Two Cylinder

3 = Three Cylinder

4 = Four Cylinder

10th Digit

Design Sequence

A

B

C

Etc.

11th Digit

A = 115 VAC

B = 230 VAC

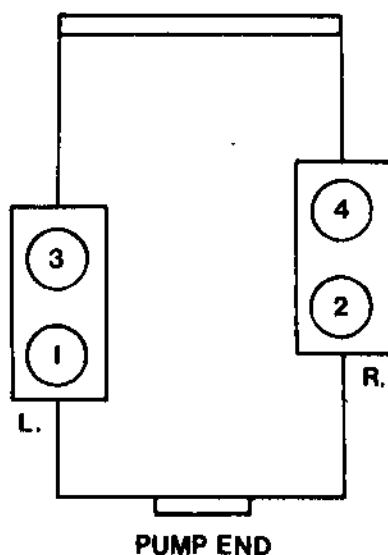
12th Digit

Junction Box

T = Top

S = Side

The following sketch shows the numbering of the cylinders for the four cylinder compressor.



Four Cylinder "R" Compressors Include:

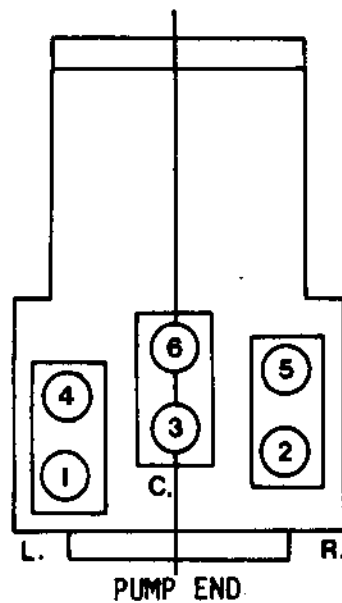
- | | | |
|-------------|------|-----------------------------------|
| 1. CRHR-260 | R-12 | (B,C,D,E,F,G & H DESIGN SEQUENCE) |
| 2. CRHR-261 | R-12 | (B,C,D,E,F,G & H DESIGN SEQUENCE) |
| 3. CRHR-400 | R-22 | (B,C,D,E,F,G & H DESIGN SEQUENCE) |
| 4. CRHR-401 | R-22 | (B,C,D,E,F,G & H DESIGN SEQUENCE) |
| 5. CRHR-350 | R-22 | (H DESIGN SEQUENCE) |

The following chart shows the unloading sequence for the four cylinder compressor.

LOADING STEPS	CYLINDERS LOADED
2 STEP (1 Unloader)	
100% Loaded	1 2 3 4
50% Loaded	X 2 X 4
3 STEP (2 Unloaders)	
100% Loaded	1 2 3 4
50% Loaded	X 2 X 4
25% Loaded	X 2 X X

X= UNLOADED CYLINDERS

The following sketch shows the numbering of the cylinders for the six cylinder compressors.



Six Cylinder "R" Compressors Include:

1. CRHR-320	R-12	(C,D,E,F,G & H DESIGN SEQUENCE)
2. CRHR-321	R-12	(C,D,E,F,G & H DESIGN SEQUENCE)
3. CRHR-380	R-12	(C,D,E,F,G & H DESIGN SEQUENCE)
4. CRHR-381	R-12	(C,D,E,F,G & H DESIGN SEQUENCE)
5. CRHR-500	R-22	(C,D,E,F,G & H DESIGN SEQUENCE)
6. CRHR-501	R-22	(C,D,E,F,G & H DESIGN SEQUENCE)
7. CRHR-600	R-22	(C,D,E,F,G & H DESIGN SEQUENCE)
8. CRHR-601	R-22	(C,D,E,F,G & H DESIGN SEQUENCE)

The following chart shows the unloading sequence for the six cylinder compressor.

LOADING STEPS	CYLINDERS LOADED
2 STEP (1 Unloader)	
100% Loaded	123456
66% Loaded	12X45X
3 STEP (2 Unloaders)	
100% Loaded	123456
66% Loaded	12X45X
33% Loaded	X2XX5X

X=UNLOADED CYLINDERS

CYLINDER HEAD SELECTION CHART - 115 VOLT - 60 HZ. CONTROL

MODEL NO.	LEFT	CENTER	RIGHT
Four Cylinder			
CRHR-260*-2**AT	HD-130	---	HD-140
CRHR-260*-3**AT	HD-130	---	HD-134
CRHR-261*-2**AT	HD-130	---	HD-140
CRHR-261*-3**AT	HD-130	---	HD-134
CRHR-350*-2**AT	HD-130	---	HD-140
CRHR-350*-3**AT	HD-130	---	HD-134
CRHR-400*-2**AT	HD-130	---	HD-140
CRHR-400*-3**AT	HD-130	---	HD-134
CRHR-401*-2**AT	HD-130	---	HD-140
CRHR-401*-3**AT	HD-130	---	HD-134
Six Cylinder			
CRHR-320*-2**AT	HD-140	HD-130	HD-140
CRHR-320*-4**AT	HD-140	HD-130	HD-140
CRHR-321*-2**AT	HD-140	HD-130	HD-140
CRHR-321*-4**AT	HD-130	HD-130	HD-140
CRHR-380*-2**AT	HD-140	HD-130	HD-140
CRHR-380*-4**AT	HD-130	HD-130	HD-140
CRHR-381*-2**AT	HD-140	HD-130	HD-140
CRHR-381*-4**AT	HD-130	HD-130	HD-140
CRHR-500*-2**AT	HD-140	HD-130	HD-140
CRHR-500*-4**AT	HD-130	HD-130	HD-140
CRHR-501*-2**AT	HD-140	HD-130	HD-140
CRHR-501*-4**AT	HD-130	HD-130	HD-140
CRHR-600*-2**AT	HD-140	HD-130	HD-140
CRHR-600*-4**AT	HD-130	HD-130	HD-140
CRHR-601*-2**AT	HD-140	HD-130	HD-140
CRHR-601*-4**AT	HD-130	HD-130	HD-140

* Indicates Motor Voltage Which Does Not Affect Head Arrangement.

**Indicates Design Sequence Which Does Not Affect Head Arrangement.

NOTES:

-Left Hand and Right Hand is determined by viewing the Pump End as shown in the illustrations on Page 2 and 3.

-Junction Box Position does not affect Head Selection.

CYLINDER HEAD SELECTION CHART - 230 VOLT - 50 HZ. CONTROL

MODEL NO.	LEFT	CENTER	RIGHT
Four Cylinder			
CRHR-260*-2**BT	HD-133	---	HD-140
CRHR-260*-3**BT	HD-133	---	HD-137
CRHR-261*-2**BT	HD-133	---	HD-140
CRHR-261*-3**BT	HD-133	---	HD-137
CRHR-350*-2**BT	HD-133	---	HD-140
CRHR-350*-3**BT	HD-133	---	HD-137
CRHR-400*-2**BT	HD-133	---	HD-140
CRHR-400*-3**BT	HD-133	---	HD-137
CRHR-401*-2**BT	HD-133	---	HD-140
CRHR-401*-3**BT	HD-133	---	HD-137
Six Cylinder			
CRHR-320*-2**BT	HD-140	HD-133	HD-140
CRHR-320*-4**BT	HD-133	HD-133	HD-140
CRHR-321*-2**BT	HD-140	HD-133	HD-140
CRHR-321*-4**BT	HD-133	HD-133	HD-140
CRHR-380*-2**BT	HD-140	HD-133	HD-140
CRHR-380*-4**BT	HD-133	HD-133	HD-140
CRHR-381*-2**BT	HD-140	HD-133	HD-140
CRHR-381*-4**BT	HD-133	HD-133	HD-140
CRHR-500*-2**BT	HD-140	HD-133	HD-140
CRHR-500*-4**BT	HD-133	HD-133	HD-140
CRHR-501*-2**BT	HD-140	HD-133	HD-140
CRHR-501*-4**BT	HD-133	HD-133	HD-140
CRHR-600*-2**BT	HD-140	HD-133	HD-140
CRHR-600*-4**BT	HD-133	HD-133	HD-140
CRHR-601*-2**BT	HD-140	HD-133	HD-140
CRHR-601*-4**BT	HD-133	HD-133	HD-140

* Indicates Motor Voltage Which Does Not Affect Head Arrangement.

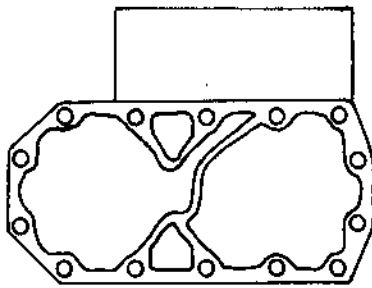
**Indicates Design Sequence Which Does Not Affect Head Arrangement.

NOTES:

-Left Hand and Right Hand is determined by viewing the Pump End as shown in the illustrations on Page 2 and 3 .

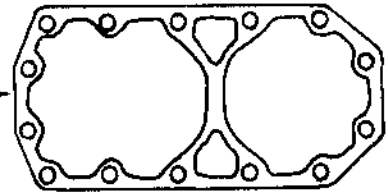
-Junction Box Position does not affect Head Selection.

CYLINDER HEADS AND GASKETS

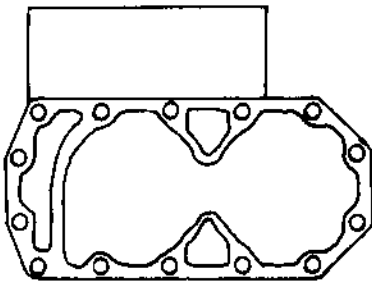


R.H., 1-Cyl. Unloading
HD-134, HD-137, HD-139

Use with

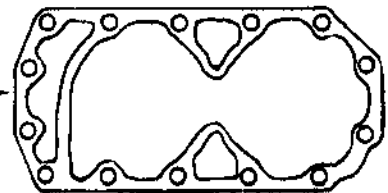


R.H. Cyl. Head Gasket
GKT-950

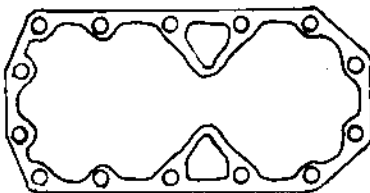


L.H., 2-Cyl. Unloading
HD-130, HD-133, HD-138

Use with

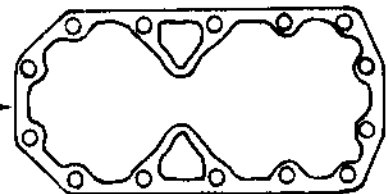


L.H. Cyl. Head Gasket
GKT-949

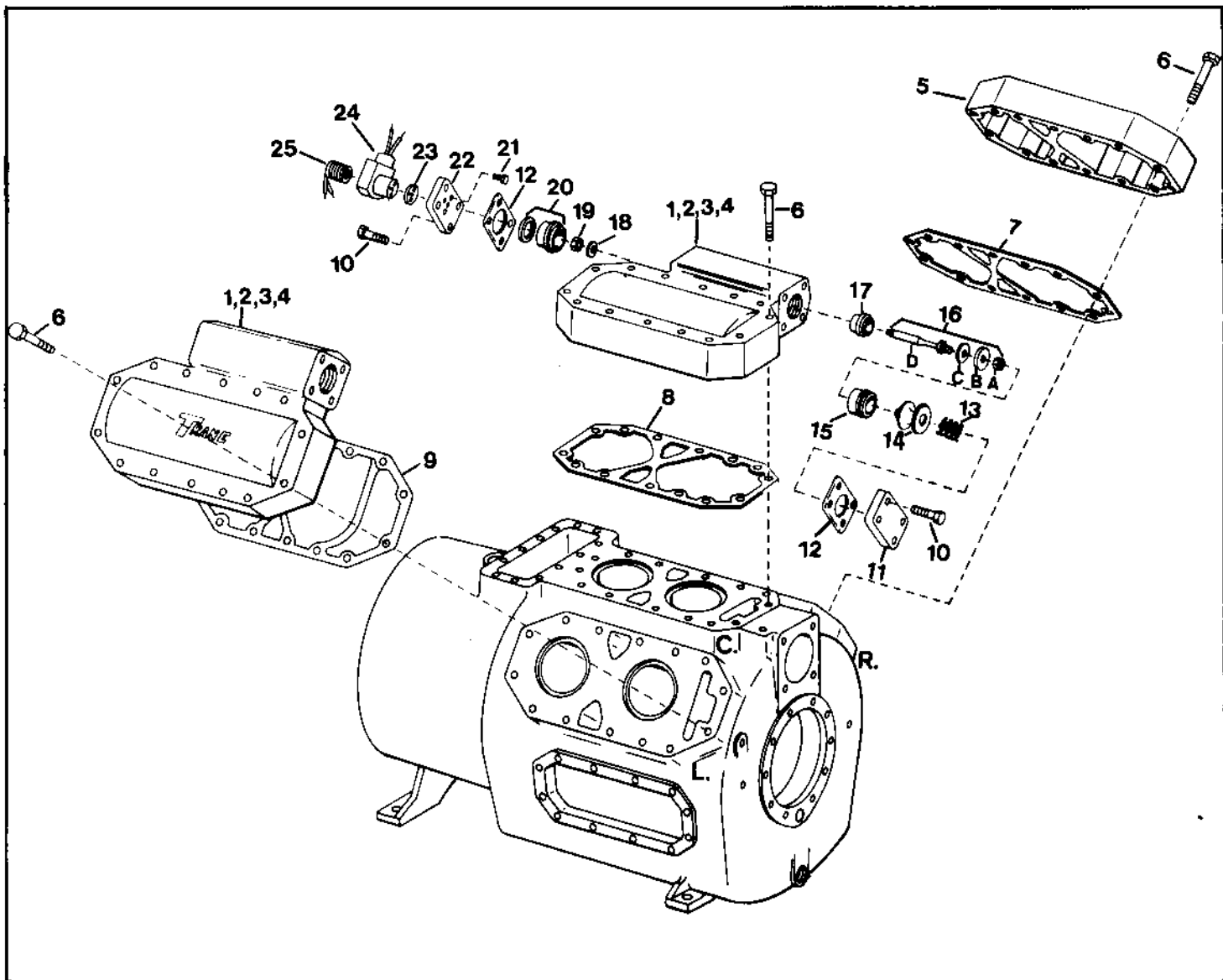


Non-Unloading
HD-140

Use with



Non-Unloading Head Gasket
GKT-951



NOTE: Head arrangement shown is for a typical 6 cylinder compressor with 4 cylinder unloading. See head selection chart for head replacement by model number.

			CRHR-260 CRHR-350 CRHR-400	CRHR-320 CRHR-500	CRHR-380 CRHR-600
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.	NO. REQ.	NO. REQ.
1	Cylinder Head-L.H., 115 Volt, 2 Cyl. Unloading (Consisting of Items 3 and 10 thru 27)-----	HD-130	*	*	*
1	Cylinder Head-L.H., 230 Volt, 2 Cyl. Unloading (Consisting of Items 3 and 10 thru 27)-----	HD-133	*	*	*
2	Cylinder Head-R.H., 115 Volt, 1 Cyl. Unloading (Consisting of Items 4 and 10 thru 27)-----	HD-134	*	*	*
2	Cylinder Head-R.H., 230 Volt, 1 Cyl. Unloading (Consisting of Items 4 and 10 thru 27)-----	HD-137	*	*	*
3	Cylinder Head-L.H., Bare, 2 Cyl. Unloading -----	HD-138	1	1	1
4	Cylinder Head-R.H., Bare, 1 Cyl. Unloading-----	HD-139	1	-	-
5	Cylinder Head-Non Unloading-----	HD-140	*	*	*
6	Screw-Cap, Hex. Head, 1/2-13 x 3 1/4, Cylinder Head Mounting-----	SCR-13	28	42	42
7	Gasket-Cylinder Head (Use with HD-140)--	GKT-951	AR	AR	AR
8	Gasket-Cylinder Head (Use with HD-134, HD-137, HD-139)-----	GKT-950	AR	AR	AR
9	Gasket-Cylinder Head (Use with HD-130, HD-133, HD-138)-----	GKT-949	AR	AR	AR
10	Screw-Cap, Hex. Head, 3/8-16 x 1 1/4----	SCR-138	8	8	8
11	Cover-Check Valve ("B & C" Design Seq.)--	***	1	1	1
11	Cover-Check Valve ("D,E,F,G & H Design Seq.)-----	COV-632	1	1	1
12	Gasket-Check Valve-----	GKT-948	2+	2+	2+
13	Spring-Check Valve ("D,E,F,G & H" Design Sequences)-----	SPG-134	1+	1+	1+
14	Valve-Check ("B & C" Design Seq.)-----	***	1	1	1
14	Valve-Check ("D,E,F,G & H" Design Seq.)--	VAL-1675	1+	1+	1+
15	Bushing-Check Valve-----	BUS-105	1	1	1
16	Valve-Unloader Assembly-----	VAL-1118	1+	1+	1+
	Consisting of:				
16A	Nut, 7/16-20-----	NUT-234	1	1	1
16B	Retainer-----	RTR-49	1	1	1
16C	Seal-----	SEL-194	1	1	1
16D	Valve-Unloader-----	VAL-1120	1	1	1
17	Bushing-Unloader Valve-----	BUS-106	1	1	1
18	Washer-Unloader Valve, 3/8-----	WAS-99	1	1	1
19	Nut-Unloader Valve, 3/8-24-----	NUT-235	1	1	1

			CRHR-260 CRHR-350 CRHR-400	CRHR-320 CRHR-500	CRHR-380 CRHR-600
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.	NO. REQ.	NO. REQ.
20	Piston-Unloader Assembly----- Consisting of:	PST-49	1+	1+	1+
20A	Piston-----	PST-42	1	1	1
20B	Ring-----	RNG-448	1	1	1
21	Screw-Socket Hex. Head, 3/16-32 x 5/8--	SCR-562	2	2	2
22	Plate-Mounting, Solenoid Valve ("B,C,D" Design Sequence)-----	**	**	**	**
22	Plate-Mounting, Solenoid Valve ("E,F,G & H" Design Sequence)-----	PLT-557	1	1	1
23	Gasket-Mounting Plate, Solenoid Valve ("B,C,D" Design Sequence)-----	**	**	**	**
23	Gasket-Mounting Plate, Solenoid Valve ("E,F,G & H" Design Sequence)-----	GKT-1182	1+	1+	1+
24	Valve-Solenoid, 230 Volt, 50 Hz., ("B,C,D" Design Sequence)-----	**	**	**	**
24	Valve-Solenoid, 230 Volt, 50 Hz., ("E,F,G & H" Design Sequence)-----	VAL-1662♦	1+	1+	1+
24	Valve-Solenoid, 115 Volt, 60 Hz., ("B,C,D" Design Sequence)-----	**	**	**	**
24	Valve-Solenoid, 115 Volt, 60 Hz., ("E,F,G & H" Design Sequence)-----	VAL-1661♦	1+	1+	1+
25	Coil-Holding, ASCO, 115 Volt, 60 Hz.---	COL-1301	1+	1+	1+
25	Coil-Holding, ALCO, 115 Volt, 50-50 Hz-	COL-1638	1+	1+	1+
25	Coil-Holding, ASCO, 230 Volt, 50 Hz.---	COL-1304	1+	1+	1+
25	Coil-Holding, ALCO, 200-230 Volt, 50-60 Hz.-----	COL-1639	1+	1+	1+

+ Recommended Spare Part

AR As Required

* See Head Selection Chart for Head Replacement by Model Number.

** Original equipment solenoid valve, mounting plate and gasket are no longer available. Replacement of any of these components requires complete changeout with 3 bolt hole solenoid valve, mounting plate and gasket that are now used on the current design compressors. See Service Bulletin HCOM-SB-29A.

***The Check Valve Assembly(VAL-1119) and Check Valve Cover(COV-529) for "B" and "C" Design Model "R" Compressor are no longer available. when either of the parts are required, a Kit must be ordered to changeout to current design parts. The Kit is part number KIT-686, which consists of COV-632, VAL-1675, and SPG-134. Reference Service Bulletin HCOM-SB-27.

♦ Replacement Coil selected by voltage and manufacturer.

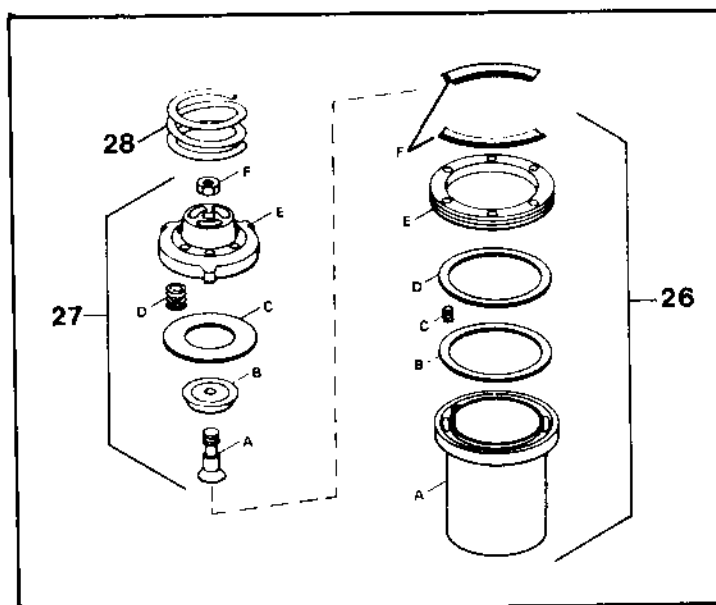
CRHR-260
CRHR-350
CRHR-400
CRHR-320
CRHR-500
CRHR-380
CRHR-600

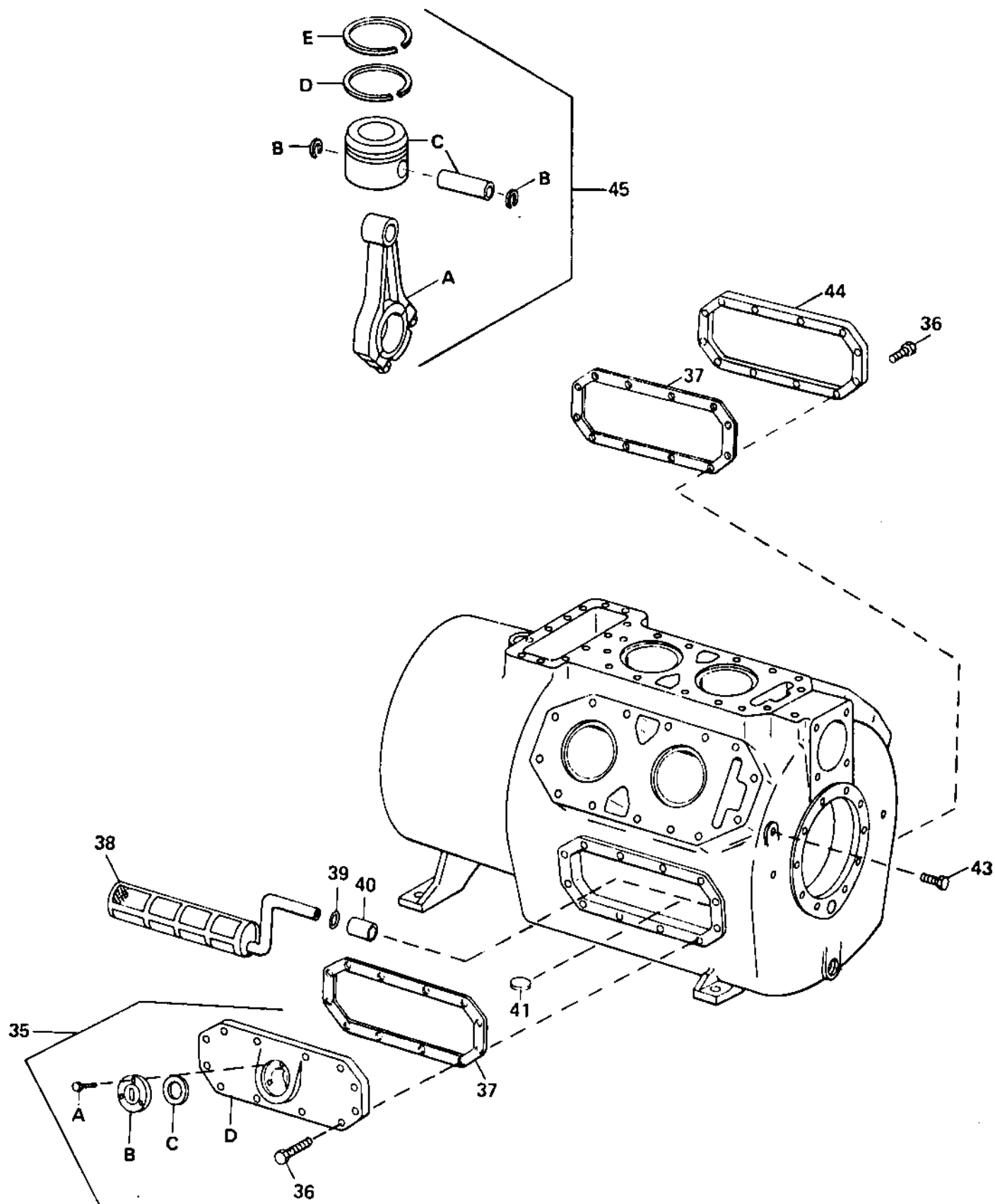
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.	NO. REQ.	NO. REQ.
26	Cylinder Liner Assembly-----	LNR-38	4+	6+	6+
26	Cylinder Liner Assembly (Low Lift)- Consisting of:	LNR-42	4	6	6
26A	Liner-----	LNR-39	1+	1+	1+
26B	Valve-Suction-----	VAL-1123	1+	1+	1+
26C	Spring (4 Cyl., Design "B", 6 Cyl., Design "C") Standard & Low Lift---	*	*	*	*
26C	Spring (4 Cyl., Design "C,D,E,G", 6 Cyl., Design "D,E,G")-----	SPG-116	6+	6+	6+
26C	Spring (Design "F, H")-----	SPG-154	6+	6+	6+
26C	Spring (Low Lift)-----	SPG-116	3+	3+	3+
26D	"O" Ring-----	RNG-410	1+	1+	1+
26E	Plate-Valve (4 Cyl. Design "B,C,D, E,G), 6 Cyl. Design "C,D,E,G")----	*	*	*	*
26E	Plate-Valve (Design "F & H")-----	PLT-570	1+	1+	1+
26E	Plate-Valve (Low Lift) Design "F & H" -----	PLT-684	1	1	1
26F	Retainer-----	RTR-94**	2	2	2
27	Discharge Valve Assembly----- Consisting of:	VAL-1121	4+	6+	6+
27A	Bolt-Valve Cage-----	BLT-63	1	1	1
27B	Seat-----	SET-22	1	1	1
27C	Valve-----	VAL-1122	1+	1+	1+
27D	Spring-----	SPG-56	6+	6+	6+
27E	Cage-----	CAG-29	1	1	1
27F	Locknut-Valve Cage Bolt-----	NUT-71	1	1	1
28	Spring-Cylinder-----	SPG-95	4	6	6

+ Recommended Spare Part

* When replacing Valve Plates on 4 cylinder Design "B,C,D,E, & G" and on 6 cylinder Design "C,D,E, & G" machines and springs on the 4 cylinder Design "B" and 6 cylinder Design "C", both the Valve Plates and the Valve Plate Springs must be replaced with current Design Plates and Springs.

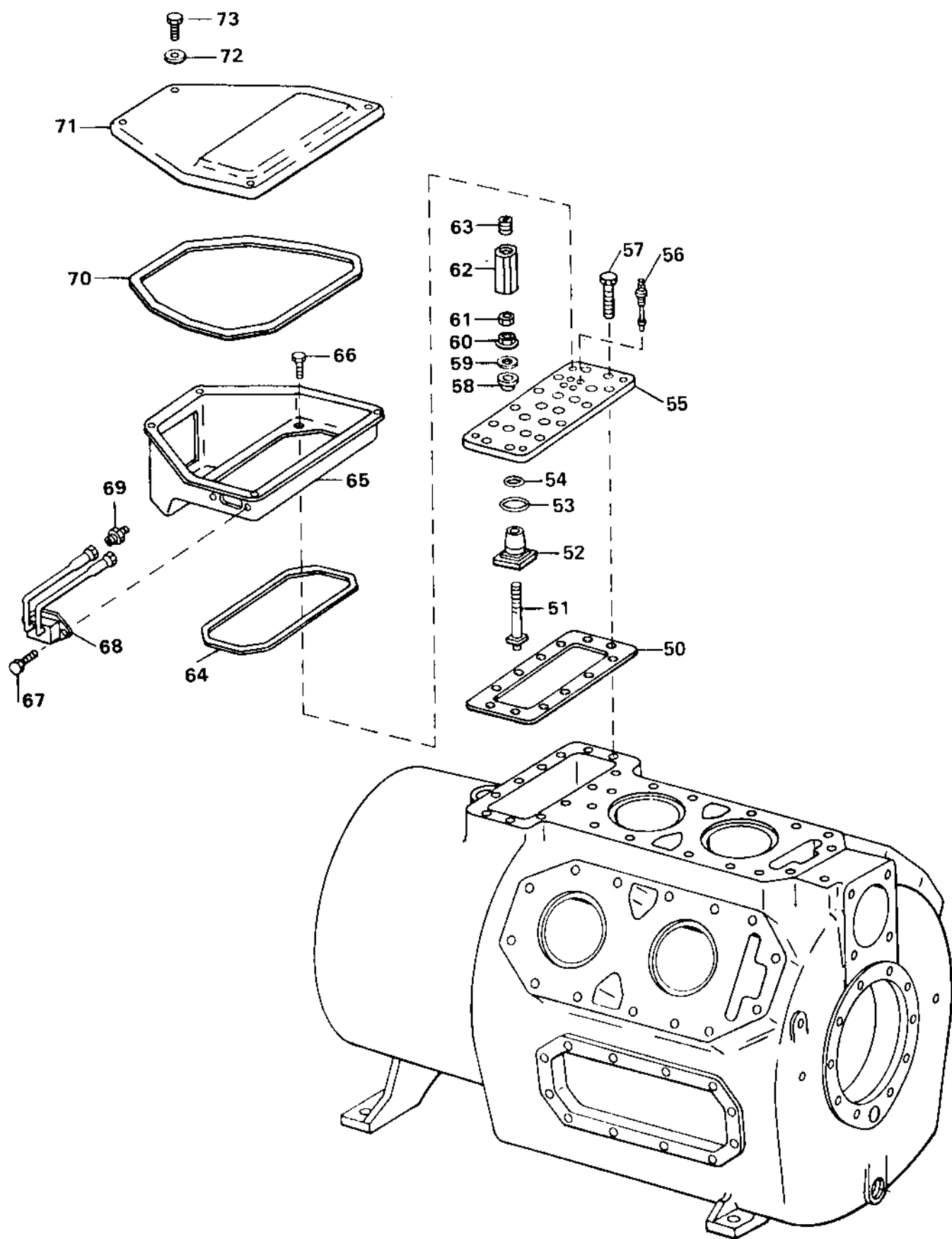
** May be intermixed on the compressor with the original retainer ring RTR-42.





			CRHR-260 CRHR-400	CRHR-350	CRHR-320 CRHR-500	CRHR-380 CRHR-600
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.		NO. REQ.	NO. REQ.
35	Cover-Handhole, Assembly-----	COV-541	1	1	1	1
35A	Consisting of: Screw-Cap, Hex Head, 1/4-20 x 5/8, Sight Glass Mounting-----	SCR-38	3	3	3	3
35B	Glass-Sight-----	GLS-30	1+	1+	1+	1+
35C	"O" Ring-----	RNG-818	1+	1+	1+	1+
35D	Cover-----	COV-542	1	1	1	1
36	Screw-Cap, Hex Head, 1/2-13 x 1 1/4, Handhole Cover to Housing-----	SCR-347	24	24	24	24
37	Gasket-Handhole Cover-----	GKT-952	2	2	2	2
38	Strainer-Oil-----	SRA-71	1+	1+		
38	Strainer-Oil-----	SRA-72			1+	1+
39	"O" Ring-Oil Strainer-----	RNG-145	1	1	1	1
40	Sleeve-Oil Strainer-----	SLV-19	1	1	1	1
41	Magnet-Handhole Cover-----	MAG-2	4	4	4	4
43	Plug-Pipe, Hex Head, 1/8-----	PLU-20	3	3	3	3
44	Cover-Handhole-----	COV-540	1	1	1	1
45	Piston & Rod Assembly (Consisting of):-	PST-43	4+			6+
45	Piston & Rod Assembly (Consisting of):-	PST-50		4+	6+	
45A	Rod-Connecting-----	ROD-149	1+			1+
45A	Rod-Connecting-----	ROD-163		1+	1+	
45B	Ring-Retaining-----	RNG-87	2+	2+	2+	2+
45C	Piston & Pin Assembly-----	PST-44	1+	1+	1+	1+
45D	Ring-Compression (Bottom)-----	RNG-411	1+	1+	1+	1+
45E	Ring-Compression (Top)-----	RNG-412	1+	1+	1+	1+

+ Recommended Spare Part

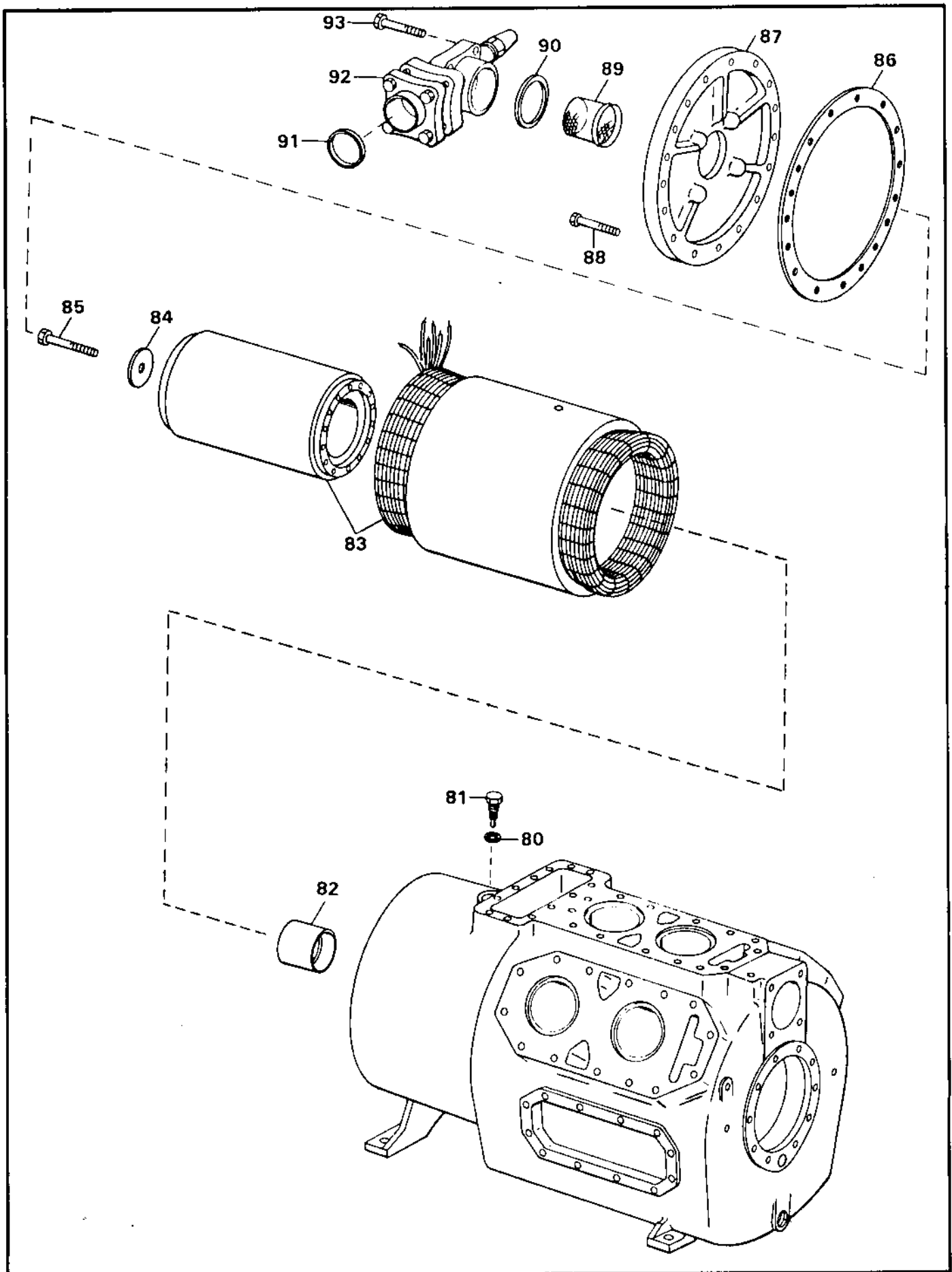


REF. NO.	PART NAME AND DESCRIPTION	PART NO.	CRHR-260 CRHR-350 CRHR-400	CRHR-320 CRHR-500	CRHR-380 CRHR-600
			NO. REQ.	NO. REQ.	NO. REQ.
50	Gasket-Terminal Plate-----	GKT-959	1+		
50	Gasket-Terminal Plate-----	GKT-955		1+	1+
51	Stud-Terminal (CRHR-260)(CRHR-261)-----	STU-66	6		
51	Stud-Terminal (CRHR-350, 400, 401)-----	STU-67	6		
51	Stud-Terminal-----	STU-68		6	6
52	Insulator-Internal-----	INS-197	6		
52	Insulator-Internal-----	INS-199		6	6
53	"O" Ring-----	RNG-37	6		
53	"O" Ring-----	RNG-891		6	6
54	"O" Ring-----	RNG-38	6		
54	"O" Ring-----	RNG-413		6	6
55	Plate-Terminal, 6 Lead-----	PLT-435	1		
55	Plate-Terminal, 6 Lead-----	PLT-440		1	1
56	Terminal-Hermetic-----	TER-8	4	4	4
57	Screw-Cap, Hex Head, 7/16-14 x 1 1/4, Terminal Plate & Junction Box Mounting-----	SCR-233	12	12	12
58	Insulator-External-----	INS-198	6		
58	Insulator-External-----	INS-200		6	6
59	Flatwasher, 1/4-----	WAS-315	12		
59	Flatwasher, 3/8-----	WAS-145		12	12
60	Nut-Hex, 1/4-20, Whiz Lock-----	NUT-9	6		
60	Nut-Hex, 3/8-16, Whiz Lock-----	NUT-79		6	6
61	Nut-Hex, 1/4-20-----	NUT-77	6		
61	Nut-Hex, 1/4-20-----	NUT-80		6	6
62	Connector-Terminal Stud-----	LUG-4		6	6
62	Connector-Terminal Stud-----	LUG-11	**		
*	Buss Bar-----	BAR-47		**	**
*	Buss Bar-----	BAR-74	**		
63	Screw, 1/2-13 x 1/2-----	SCR-211		6	6
64	Gasket-Junction Box-----	GKT-988	1+		
64	Gasket-Junction Box-----	GKT-989		1+	1+
65	Box-Junction-----	BOX-126	1		
65	Box-Junction-----	BOX-127		1	1
66	Screw-Cap, Hex Head, 5/16-18 x 5/8, Junction Box Mounting-----	SCR-162	4	4	4
67	Screw-Round Head, .164-32 x 5/8, Pressure Control Mounting-----	SCR-35	2	2	2
68	Control-Pressure, Oil Safety-----	CNT-553	1+	1+	1+
69	Adapter-Flare-----	ADP-12	2	2	2
70	Gasket-Junction Box Cover-----	GKT-986	1+		
70	Gasket-Junction Box Cover-----	GKT-987		1+	1+
71	Cover-Junction Box-----	COV-544	1		
71	Cover-Junction Box-----	COV-547		1	1
72	Lockwasher, 3/16, Junction Box Cover---	WAS-43	4	4	4
73	Screw-Self-Tapping, 3/16-32 x 1/2, Junction Box Cover-----	SCR-344	4	4	4
*	Nut-Hex, .164-32, Pressure Control Mounting-----	NUT-12	2	2	2

+ Recommended Spare Part

* Not Illustrated

**AS REQUIRED. With Part Wind Start use quantity 6 with no Buss Bar,
with Across the Line Start use quantity 3 with quantity 3 Buss Bars.

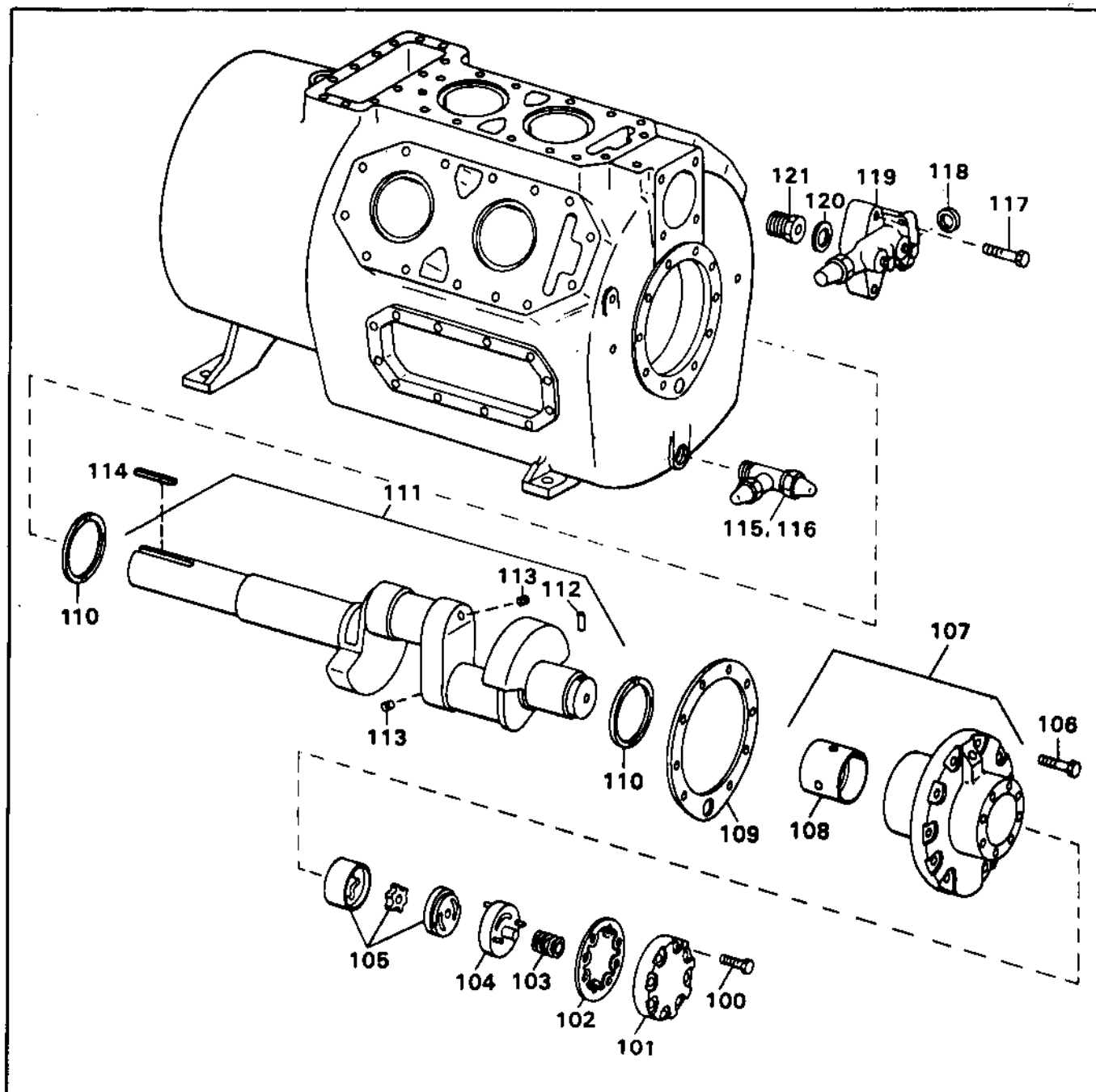


			CRHR-260 CRHR-350 CRHR-400	CRHR-320 CRHR-500	CRHR-380 CRHR-600
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.	NO. REQ.	NO. REQ.
80	"O" Ring-Motor Mounting-----	RNG-133	1	1	1
81	Dowell-Motor Mounting-----	SCR-557	1	1	1
82	Bearing-Motor End, 2-7/8 Dia.-----	BRG-289	1+	2+	2+
82	Bearing-Motor End, 2-1/8 Dia.-----	BRG-262	1+		
83	Motor-Hermetic-----	+ +	1	1	1
84	Washer-Retaining, Rotor to Crankcase----	WAS-98	1		
84	Washer-Retaining, Rotor to Crankcase----	WAS-322		1	1
85	Screw-Cap, Socket Head, 5/8-18 x 3 1/2, Rotor to Crankshaft (R-22)-----	SCR-573	1		
85	Screw-Cap, Socket Head, 5/8-18 x 2 1/2, Rotor to Crankshaft (R-12)-----	SCR-585	1	1	1
86	Gasket-Suction Cover-----	GKT-912	1+		
86	Gasket-Suction Cover-----	GKT-953		1+	1+
87	Cover-Suction-----	COV-543	1		
87	Cover-Suction-----	COV-546		1	1
88	Screw-Cap, Hex Head, 7/16-14 x 3 1/5, Suction Cover to Housing-----	SCR-559	14		
88	Screw-Cap, Hex Head, 1/2-13 x 2 1/4, Suction Cover to Housing-----	SCR-346		16	16
*	Stud, 7/16-14 x 4 3/4, Suction Cover to Housing-----	STU-65	2		
*	Nut, 7/16-14-----	NUT-208	2		
89	Strainer-Suction Gas-----	SRA-64	1+		
89	Strainer-Suction Gas-----	SRA-73		1+	1+
90	Gasket-Suction Service Valve-----	GKT-15	1+		
90	Gasket-Suction Service Valve-----	GKT-44		1+	1+
91	Gasket-Adapter, Suction Service Valve---	GKT-14	1+		
91	Gasket-Adapter, Suction Service Valve---	GKT-44		1+	1+
92	Valve-Suction Service, 2 5/8 O.D.-----	VAL-35	1+		
92	Valve-Suction Service, 3 1/8 O.D.-----	VAL-43		1+	1+
93	Screw-Cap, Hex Head, 5/8-11 x 4, Suction Service Valve Mounting-----	SCR-317	4		
93	Screw-Cap, Nex Head, 5/8-11 x 5 1/2, Suction Service Valve Mounting-----	SCR-60		4	4

* Not Illustrated

+ Recommended Spare Part

++See Complete Motor Listing on Page 20.



			CRHR-260 CRHR-400	CRHR-350	CRHR-320 CRHR-500	CRHR-380 CRHR-600
REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.	NO. REQ.	NO. REQ.	NO. REQ.
100	Screw-Cap, Hex Head, 5/16-18 x 1, Oil Pump to Bearing Head-----	SCR-33	8	8	8	8
101	Cover-Oil Pump-----	COV-545	1	1	1	1
102	Gasket-Cover, Oil Pump-----	GKT-956	1+	1+	1+	1+
103	Spring-Oil Pump-----	SPG-109	1+	1+	1+	1+
104	Plate-Oil Pump-----	PLT-397	1	1	1	1
105	Pump-Oil-----	PMP-460	1+	1+	1+	1+
106	Screw-Cap, Hex Head, 7/16-14 x 1 1/4, Bearing Head to Housing-----	SCR-233	10	10	10	10
107	Bearing Head with Insert-----	BRG-291	1+	1+	1+	1+
108	Bearing Insert-----	BRG-289	1+	1+	1+	1+
109	Gasket-Bearing Head-----	GKT-957	1+	1+	1+	1+
110-	Bearing-Thrust-----	BRG-290 **	2+	2+	2+	2+
111	Crankshaft with Plugs-----	CSF-56	1+			
111	Crankshaft with Plugs-----	CSF-57			1+	
111	Crankshaft with Plugs-----	CSF-58				1+
111	Crankshaft with Plugs-----	CSF-101		1+		
	Consisting of:					
112	Pin-Roll-----	PIN-97	1	1	1	1
113	Plug-Pipe-----	PLU-96	2	2	2	2
114	Key-Crankshaft-----	KEY-295	1	1		
114	Key-Crankshaft-----	KEY-24			1	1
115	Valve-Oil Drain-----	VAL-31	1+	1+	1+	1+
116	Cap-Oil Drain Valve-----	NUT-16	1	1	1	1
117	Screw-Cap, Hex Head, 1/2-13 x 3 1/4, Discharge Service Valve Mounting-----	SCR-13	4	4		
117	Screw-Cap, Hex Head, 5/8-11 x 4, Discharge Service Valve Mounting-----	SCR-317			4	4
118	Gasket-Adapter, Discharge Service Valve-----	GKT-13	1+	1+		
118	Gasket-Adapter, Discharge Service Valve-----	GKT-830			1+	1+
119	Valve-Discharge Service 1 5/8 O.D.-----	VAL-8	1+	1+		
119	Valve-Discharge Service 2 1/8 O.D.-----	VAL-9			1+	1+
120	Gasket-Discharge Service Valve-----	GKT-14	1+	1+		
120	Gasket-Discharge Service Valve-----	GKT-15			1+	1+
121	Valve-Relief-----	VAL-240	1+	1+		
121	Valve-Relief-----	VAL-192			1+	1+
*	Kit-Gasket-----	KIT-523	1+	1+		
*	Kit-Gasket-----	KIT-524			1+	1+
*	Heater-Crankcase, 120 Volt, 100 Watt, (4 Cyl. Design "B,C,D,E,F", 6 Cyl. Design "C,D,E,F")-----	HTR-244	1+	1+	1+	1+
*	Heater-Crankcase, 120 Volt 140 Watt, (4 Cyl. Design "G,H", 6 Cyl. Design "G,H")-----	HTR-1079	1+	1+	1+	1+

* Not Illustrated

+ Recommended Spare Part

**AS REQUIRED.

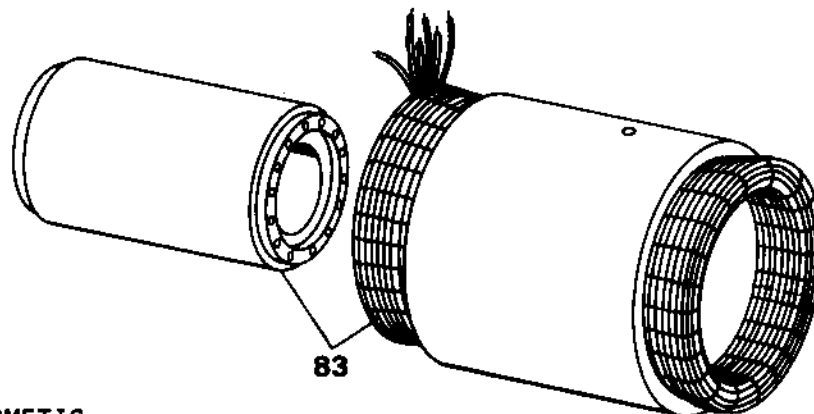
** Since November, 1976; the thrust bearings have been machined to include and "upset" on the outside diameter. The compressor housing machining was revised to accept the redesigned bearing. Replacement thrust bearings will include the "upset". See Service Bulletin HCOM-SB-35 when replacing these thrust bearings on compressors built prior to November, 1976.

KIT-523 INCLUDES:

PART NO.	QTY.
GKT-948	4
GKT-1182	1
GKT-951	2
GKT-949	1
GKT-950	1
GKT-952	2
GKT-959	1
GKT-988	1
GKT-986	1
GKT-912	1
GKT-15	2
GKT-956	1
GKT-957	1
GKT-13	1
GKT-14	2
RNG-818	1
RNG-145	1
RNG-37	9
RNG-38	9
RNG-133	1
RNG-410	4

KIT-524 INCLUDES:

PART NO.	QTY.
GKT-948	6
GKT-1182	1
GKT-951	3
GKT-949	2
GKT-952	2
GKT-955	1
GKT-989	1
GKT-987	1
GKT-953	1
GKT-44	2
GKT-956	1
GKT-957	1
GKT-830	1
GKT-15	1
RNG-818	1
RNG-145	1
RNG-414	9
RNG-413	9
RNG-133	1
RNG-410	6



MOTOR-HERMETIC

REF. NO.	PART NAME AND DESCRIPTION	PART NO.	NO. REQ.
83	200/60/3, CRHR-260A, 261A -----	MOT-1369	1
83	230-460/60/3, CRHR-260B, 261B -----	*	
83	230/60/3, CRHR-260W, 261W -----	MOT-1370	1
83	200/50/3, CRHR-260Y, 261Y -----	MOT-1370	1
83	460/60/3, CRHR-260C, 261C -----	MOT-1371	1
83	400/50/3, CRHR-260G, 261G -----	MOT-1371	1
83	575/60/3, CRHR-260D, 261D -----	MOT-1372	1
83	230/50/3, CRHR-260F, 261F -----	MOT-1373	1
83	200/60/3, CRHR-320A, 321A -----	MOT-1384	1
83	230-460/60/3, CRHR-320B, 321B -----	*	
83	230/60/3, CRHR-320W, 321W -----	MOT-1385	1
83	200/50/3, CRHR-320Y, 321Y -----	MOT-1385	1
83	460/60/3, CRHR-320C, 321C -----	MOT-1386	1
83	400/50/3, CRHR-320G, 261G -----	MOT-1386	1
83	575/60/3, CRHR-320D, 321D -----	MOT-1387	1
83	230/50/3, CRHR-320F, 321F -----	MOT-1388	1
83	200/60/3, CRHR-380A, 381A -----	MOT-1389	1
83	230-460/60/3, CRHR-380B, 381B -----	*	
83	230/60/3, CRHR-380W, 381W -----	MOT-1390	1
83	200/50/3, CRHR-380Y, 381Y -----	MOT-1390	1
83	460/60/3, CRHR-380C, 381C -----	MOT-1391	1
83	400/50/3, CRHR-380G, 381G -----	MOT-1391	1
83	575/60/3, CRHR-380D, 381D -----	MOT-1392	1
83	230/50/3, CRHR-380F, 381F -----	MOT-1393	1
83	200/60/3, CRHR-350A, 400A, 401A -----	MOT-1364	1
83	230-460/60/3, CRHR-400B, 401B -----	*	
83	230/60/3, CRHR-350W, 400W, 401W -----	MOT-1365	1
83	200/50/3, CRHR-350Y, 400Y, 401Y -----	MOT-1365	1
83	460/60/3, CRHR-350C, 400C, 401C -----	MOT-1366	1
83	400/50/3, CRHR-350G, 400G, 401G -----	MOT-1366	1
83	575/60/3, CRHR-350D, 400D, 401D -----	MOT-1367	1
83	230/50/3, CRHR-350F, 400F, 401F -----	MOT-1368	1
83	200/60/3, CRHR-500A, 501A -----	MOT-1374	1
83	230-460/60/3, CRHR-500B, 501B -----	*	
83	230/60/3, CRHR-500W, 501W -----	MOT-1375	1
83	200/50/3, CRHR-500Y, 501Y -----	MOT-1375	1
83	460/60/3, CRHR-500C, 501C -----	MOT-1376	1
83	400/50/3, CRHR-500G, 501G -----	MOT-1376	1
83	575/60/3, CRHR-500D, 501D -----	MOT-1377	1
83	230/50/3, CRHR-500F, 501F -----	MOT-1378	1
83	200/60/3, CRHR-600A, 601A -----	MOT-1379	1
83	230-460/60/3, CRHR-600B, 601B -----	*	
83	230/60/3, CRHR-600W, 601W -----	MOT-1380	1
83	200/50/3, CRHR-600Y, 601Y -----	MOT-1380	1
83	460/60/3, CRHR-600C, 601C -----	MOT-1381	1
83	400/50/3, CRHR-600G, 601G -----	MOT-1381	1
83	575/60/3, CRHR-600D, 601D -----	MOT-1382	1
83	230/50/3, CRHR-600F, 601F -----	MOT-1383	1

* Nine lead, dual voltage (230-460/60/3) motors are no longer available. Determine operating voltage and select correct single voltage, six lead motor replacement from the above chart.