



MODEL Z - STYLE A HERMETIC COMPRESSORS

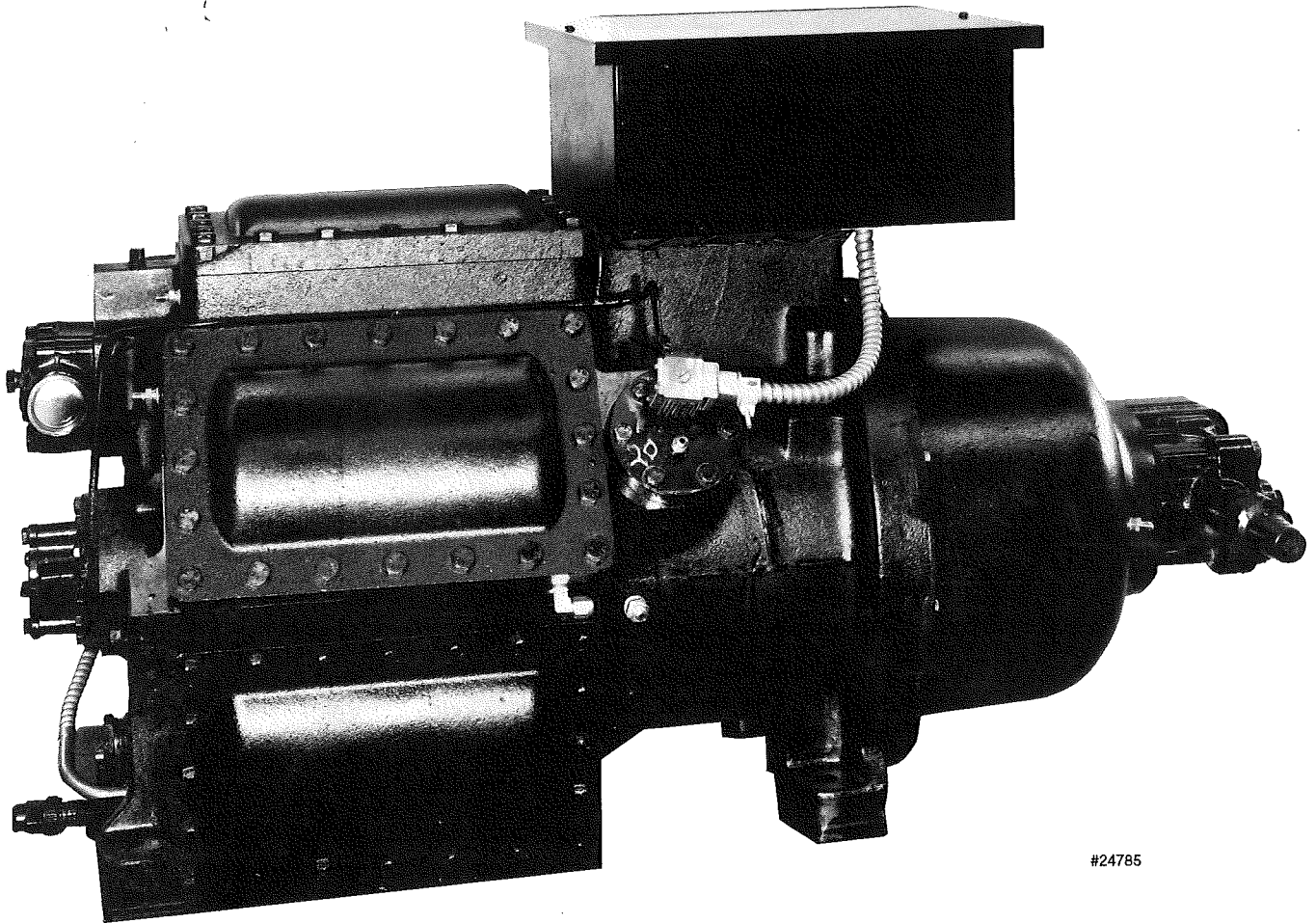
RENEWAL PARTS

Supersedes: 180.45-RP1 (394)

180.45-RP1 (1295)

MODELS Z4H, Z4J, Z4K, Z4M Z6N, Z6R, Z6S, Z6W, Z6AE

(See Page 2 for Complete Model Nomenclature)



#24785

NOMENCLATURE

COMPRESSOR IDENTIFICATION

Each compressor is identified by nomenclature as shown below. The nomenclature is printed on a data plate which is located next to the oil pump as shown in Fig. 1. When contacting the factory or ordering renewal parts, include the complete Nomenclature, Serial Number, and Date Code. Be sure these numbers are copied accurately.



YORK INTERNATIONAL CORPORATION
YORK, PA. 17405

MODEL: SERIAL NUMBER:

PART NO.: DATE CODE:

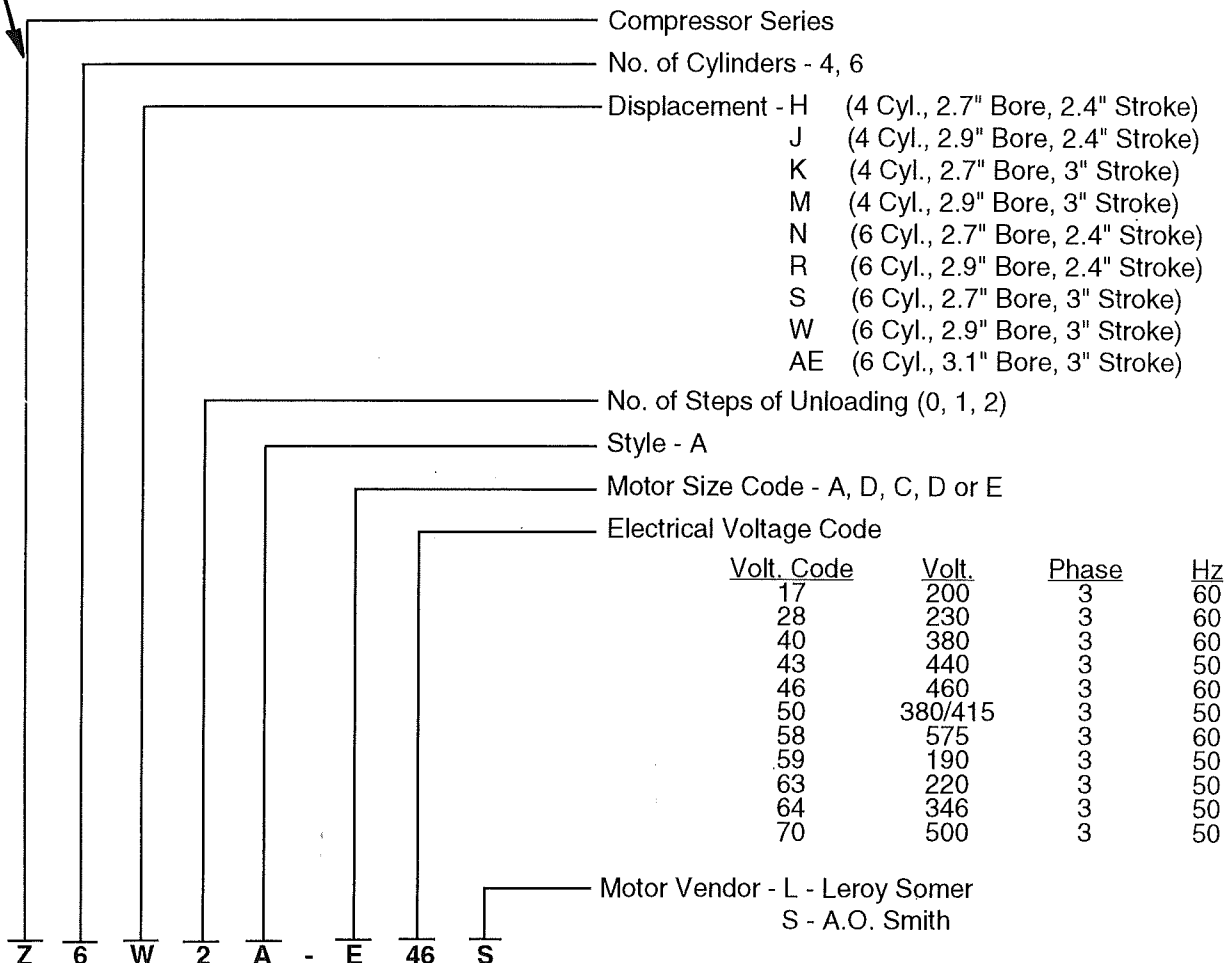
VOLTAGE: PH: 3 HZ: RLA: FW LRA: PW LRA: UTILIZATION RANGE VOLTS:

VOLTAGE: PH: 3 HZ: RLA: FW LRA: PW LRA: UTILIZATION RANGE VOLTS:

THERMALLY PROTECTED 029-202178 REV. FACTORY TEST PRESSURES, PSIG H.S. 450 L.S. 330

#24787

FIG. 1 - COMPRESSOR DATA PLATE



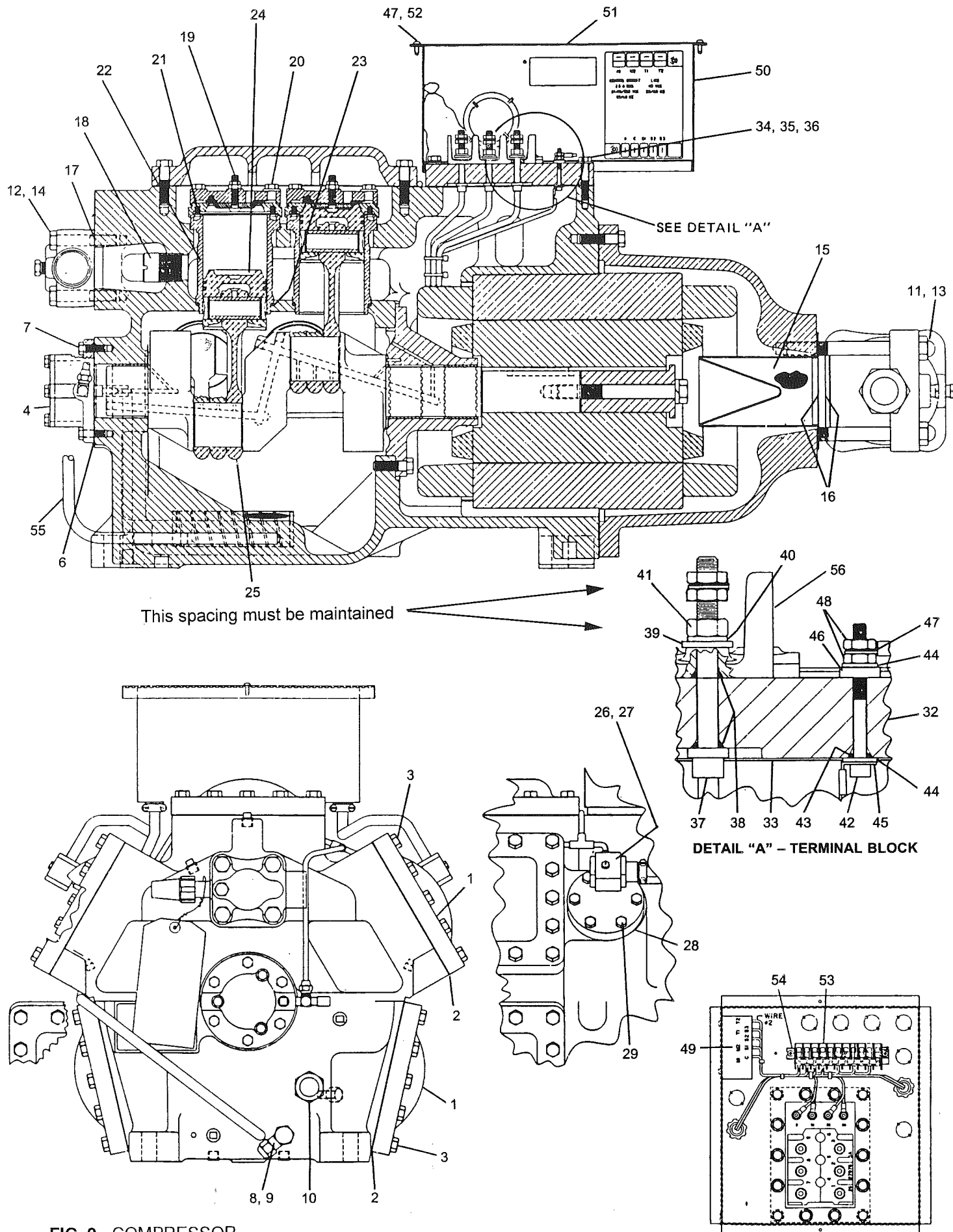


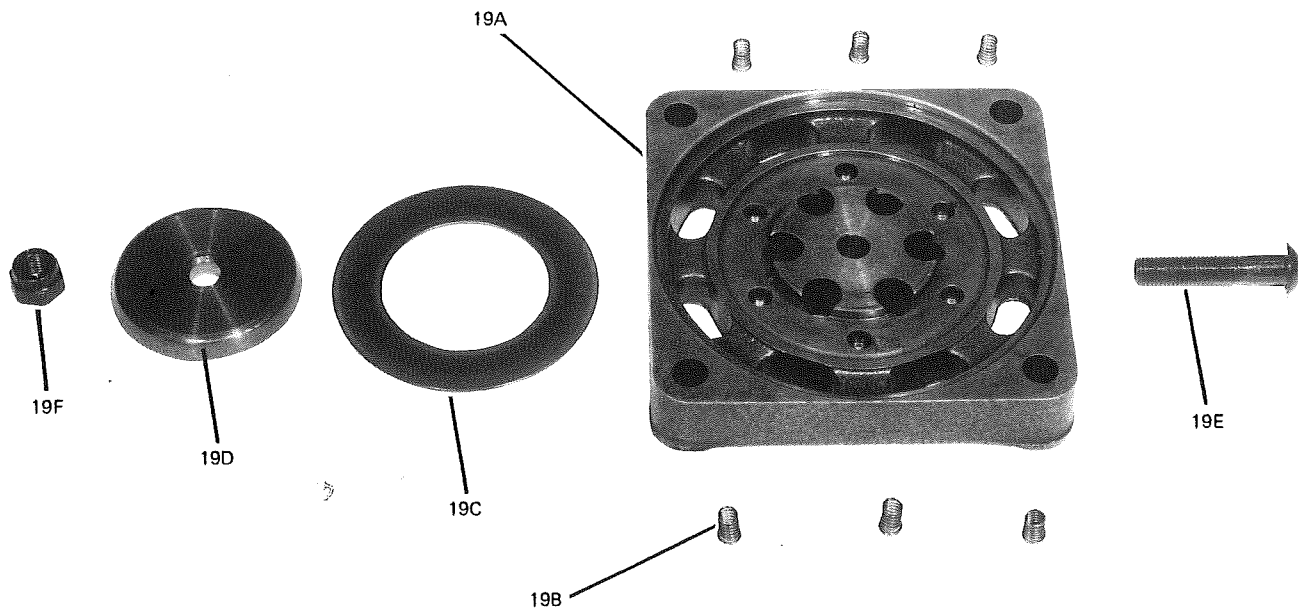
FIG. 2 - COMPRESSOR

ITEM NO.	DESCRIPTION	PART NO.
1	Access Cover Plate	665-25185
2	Gasket for Item No. 1	028-11904
3	Cap Screw for Item No. 1 (16 Req'd - 5 / Pkg.)	221-01545-800
4	Pump, Oil	026-30586*
5	Roll Pin, (Used on 50 Hz Compressors Only) See Fig. 8	029-20840
6	Gasket, Oil Pump	028-11902
7	Screw, Oil Pump (6 Req'd - 5 / Pkg.)	221-01433-800
8	Valve Oil Charging	022-01582
9	Seal Cap	023-00977
10	Sight Glass	026-17581
11	Valve, Suction Stop 1-5/8" (Z4H-A) 2-1/8" (Z4J-B) 2-1/8" (Z4K-B; Z4M-C; Z6N-C;) 2-5/8" (Z6R-D; Z6S-D) 3-1/8" (Z6W-E; Z6AE-E)	022-03727-003 002-01152 022-01393 022-01394 022-08851
12	Valve, Discharge Stop 1-3/8" (Z4H, Z4J) 1-5/8" (Z4K, Z4M, Z6N, Z6R, Z6S, Z6W, Z6AE)	022-03727-002 022-03727-003
13	Screw (Item 11 to Compressor) Z4H-A Z4J-B Z4K-B; Z4M-C; Z6N-C Z6R-D; Z6S-D Z6W-E; Z6AE-E	021-08318 021-17241 021-16821 021-16821 021-16817
14	Screw (Item 12 to Compressor)	021-08318
15	Screen, Suction Strainer Z4H-A; Z4J-B Z4K-B; Z4M-C; Z6N-C; Z6R-D; Z6S-D Z6W-E; Z6AE-E	026-30599 026-30601 026-30602
16	Gasket, Suction Strainer & Stop Valve Z4H-A; Z4J-B Z4K-B; Z4M-C; Z6N-C; Z6R-D, C; Z6S-D Z6W-E Z6AE-E	028-11912 064-47078 064-47078 064-47079
17	Gasket, Discharge Stop Valve	028-11912
18	Valve, High Pressure Relief	022-03871
19	Discharge Valve Cage Assembly	See Figure 3
20	Screw, Discharge Valve Cage Assembly To Compressor (4 Per Cylinder - 4 / Pkg.)	221-13824-800
21	Suction Valve Plate Assembly	See Figure 4
22	Cylinder Sleeve Z4H-A; Z4K-B; Z6N-C; Z6S-D Z4J-B; Z4M-C; Z6R-D; Z6W-E Z6AE-E	065-25237 065-25240 065-25325

*At some future date 026-30586 will be superseded by 026-32387.

ITEM NO.	DESCRIPTION	PART NO.
23	"O" Ring (Used On Unloading Cylinders Only) Z6AE	028-11903 028-05173
24	Piston Assembly	See Figure 5
25	Connecting Rod Assembly	See Figure 6
26 ⁴	Solenoid Valve (Less Coil) ¹	025-26680
27	Solenoid Valve Coil ³ (120V) (240V)	025-28673 025-28674
28	Gasket, Solenoid Valve To Compressor	028-12572 ²
29	Screw, Solenoid Valve To Compressor (6 Req'd. / Valve - 6 / Pkg.)	021-17767-000
30	Unloader Piston Assembly	See Figure 7
31	Cover, Unloader Opening (Blank)	665-25245-000
32	Terminal Block	025-27541
33	Gasket, Terminal Block	028-12574
34	Screw, Terminal Box & Terminal Block To Compressor (14 Req'd - 10 / Pkg.)	021-17768-000
35	Washer, Plain (14 Req'd - 10 / Pkg.)	021-05166-000
36	Washer, Lock (4 Req'd. - 20 / Pkg.)	021-17652-000
37	Bolt, Motor Terminal (6 Req'd.)	021-14493-002
38	"O" Ring (2 Req'd. / Terminal Bolt)	028-08959
39	Washer (1 Req'd. / Terminal Bolt - 10 / Pkg.)	221-05165-800
40	Lockwasher (1 Req'd. / Terminal Bolt - 20 / Pkg.)	221-03233-000
41	Nut, Hex (3 Req'd. / Terminal Bolt - 10 / Pkg.)	221-08581-800
42	Screw, Terminal Protector	021-14817
43	"O" Ring (1 Req'd. / Protector)	028-09347
44	Washer (2 Req'd. / Protector - 10 / Pkg.)	221-01240-800
45	Terminal, Protector	025-18650
46	Washer, Phenolic	028-09525
47	Lockwasher (20 / Pkg.)	221-01133-800
48	Nut, Hex (2 Req'd. / Protector - 10 / Pkg.)	221-08661-800
49	Module, Motor Protector	24V 025-29939
		120V 025-27522
		240V 025-28722
50	Terminal Box	365-25256
51	Cover, Terminal Box	065-25188
52	Screw, Terminal Box Cover (10 / Pkg.)	221-13784-800
53	Terminal Block (11 Req'd. With 1 Unloader; 13 With 2 Unloaders)	025-20944
54	Terminal Block End	025-20946
55	Crankcase, Heater	120V 025-27924
		240V 025-27936
56	Spacer, Insulating	025-27976-001
57	Top Head Overhaul Kit	364-47666-017
58	Top Head Valve Replacement Kit	364-47667-009
59	Gasket Kits 4 Cyl. 6 Cyl.	665-25317 665-25318

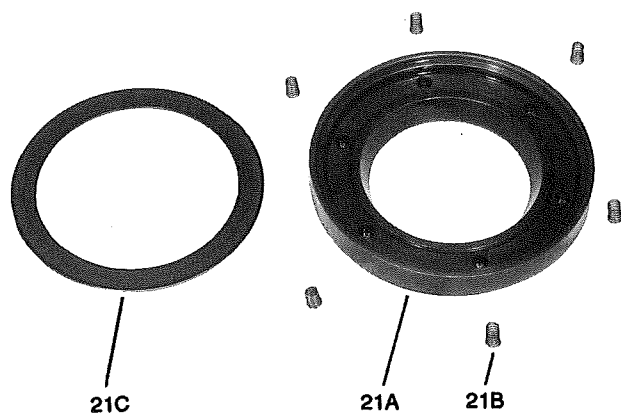
- As design improvements have occurred to the solenoid valve, the part numbers have changed. Originally, the number 025-26680 was used on the first Z compressors. The next change to the valve had a part number of 025-30478. In late 1995 or early 1996, a new valve will be introduced with the part number of 025-30499, superseding the 025-30478. Any of these valves may be used with the Z "A" style compressor.
- Gasket 028-12572 has been superseded by gasket 028-12960 when using solenoid valve 025-30499. Gasket 028-12572 CANNOT be used with valve 025-30499. Gasket 028-12960 must be used with solenoid valve 025-30499 and may be used with solenoid valve 025-30478.
- Valves with part numbers of 025-30478 or 025-30499 MUST use solenoid coils with the following numbers (120V) 025-30467 and (240V) 025-30468.
- For units equipped with hot gas unloading there is an unloading orifice located under the valve. The P/N is 065-25337-000.



ITEM NO.	DESCRIPTION	PART NO.
19	Discharge Valve Cage Assembly	665-25183-000
19A	Cage, Discharge	065-25178
19B	Spring (6/Valve - 36 / Pkg.)	229-15292-800
19C	Valve, Discharge	065-25184
19D	Disk	065-25177
19E	Screw	021-17219
19F	Nut, Locking (5 / Pkg.)	221-09610-800

#24813

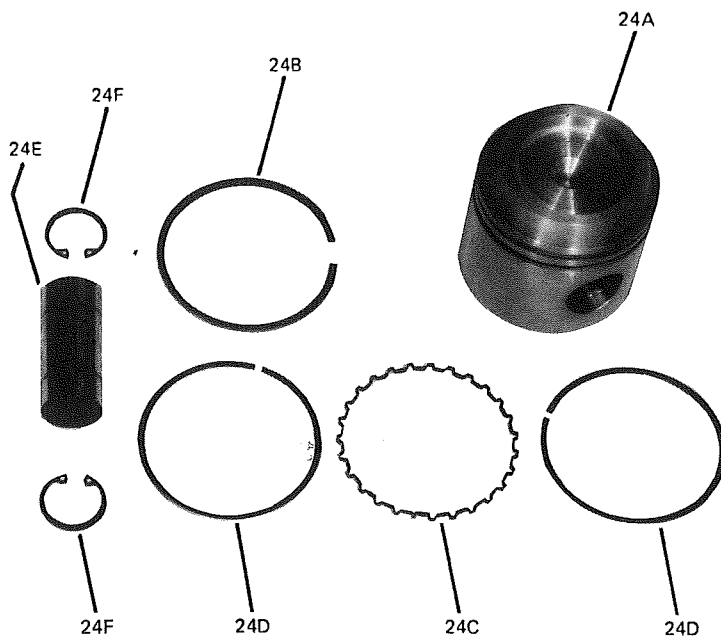
FIG. 3 - DISCHARGE VALVE CAGE ASSEMBLY



ITEM NO.	DESCRIPTION	PART NO.
21	Suction Valve Plate Assembly Z6AE	665-25181-000 655-25354-000
21A	Valve Plate Z6AE	065-25174-000 065-25324-000
21B	Spring (6 Per Valve - 36 / Pkg.)	229-15292-000
21C	Valve, Suction Z6AE	065-25182-000 065-25321-000

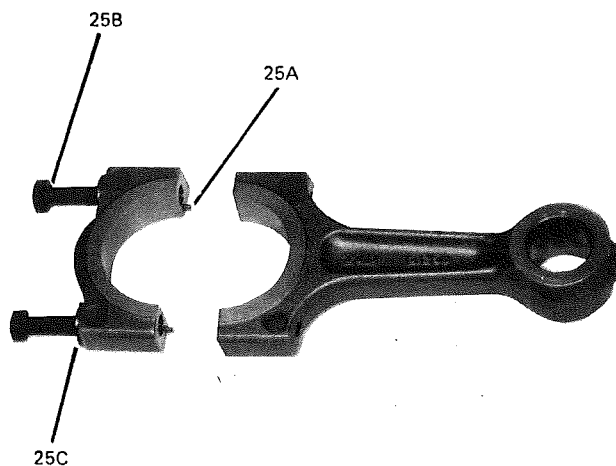
#24812

FIG. 4 - SUCTION VALVE PLATE ASSEMBLY



ITEM NO.	DESCRIPTION	PART NO.
24	Piston Assembly	
	Z4H-A; Z4K-B; Z6N-C; Z6S-D	665-25315
	Z4J-B; Z4M-C; Z6R-D; Z6W-E	665-25316
	Z6AE-E	665-25447
24A	Piston	
	Z4H-A; Z4K-B; Z6N-C; Z6S-D	065-25226
	Z4J-B; Z4M-C; Z6R-D; Z6W-E	065-25239
	Z6AE-E	065-25322
24B	Compression Ring	
	Z4H-A; Z4K-B; Z6N-C; Z6S-D	029-20220
	Z4J-B; Z4M-C; Z6R-D; Z6W-E	029-20226
	Z6AE-E	029-20901
24C	Expander Ring	
	Z4H-A; Z4K-B; Z6N-C; Z6S-D	029-20221
	Z4J-B; Z4M-C; Z6R-D; Z6W-E	029-20227
	Z6AE-E	Not Used
24D	Wiper Ring	
	Z4H-A; Z4K-B; Z6N-C; Z6S-D	029-20222
	Z4J-B; Z4M-C; Z6R-D; Z6W-E	029-20228
	Z6AE-E	028-20902
24E	Piston Pin	029-20218
24F	Retaining Ring (2 Req'd. / Piston)	029-20219

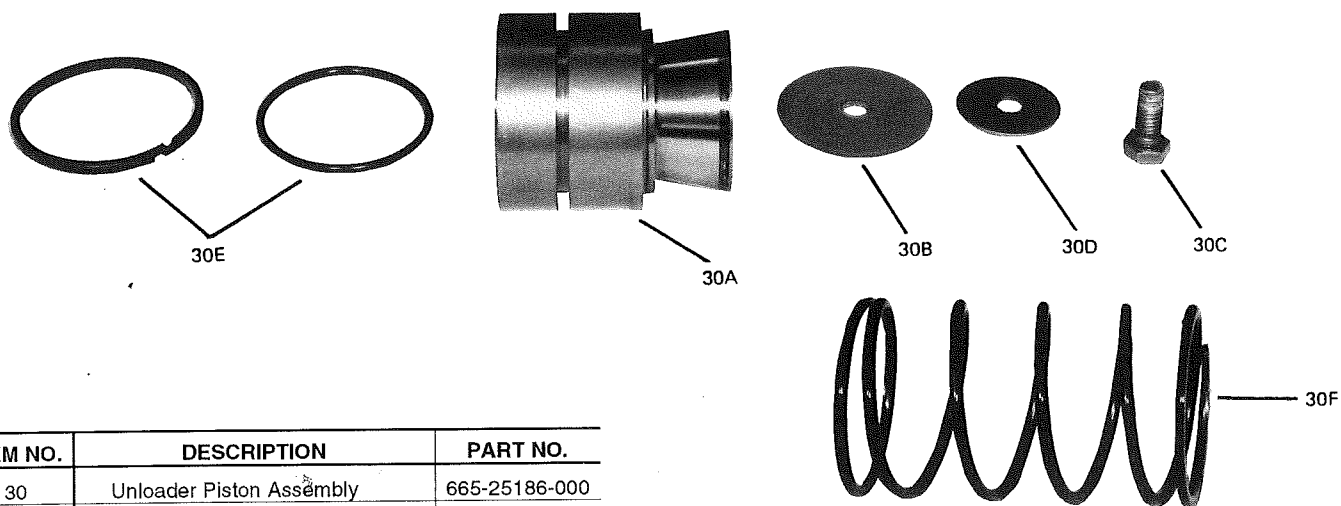
#24811A

FIG. 5 - PISTON ASSEMBLY

ITEM NO.	DESCRIPTION	PART NO.
25	Connecting Rod Assembly	
	Z4H, Z4J, Z6N, Z6R	365-25229
	Z4K, Z4M, Z6S, Z6W, Z6AE	365-25242
25A	Dowel Pin (2 Req'd. / Rod)	029-19802
25B	Screw (2 Req'd. / Rod)	021-09643
25C	Washer (2 Req'd. / Rod - 10 / Pkg.)	221-01262-800

#24811B

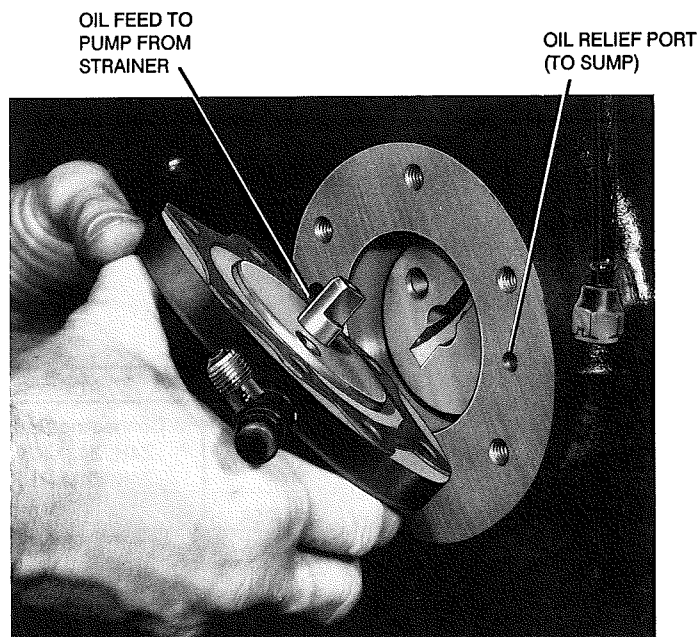
FIG. 6 - CONNECTING ROD ASSEMBLY



ITEM NO.	DESCRIPTION	PART NO.
30	Unloader Piston Assembly	665-25186-000
30A	Piston	065-25187
30B	Seal	028-11905
30C	Screw	021-17396
30D	Flat Washer	021-17220
30E	Piston Ring (2 Piece)	029-20215
30F	Spring, Coil	029-20216

#24815

FIG. 7 - UNLOADER PISTON ASSEMBLY



#24790

#24791

FIG. 8 - COMPRESSOR OIL PUMP



Proud Sponsor
of the 1996
U.S. Olympic Team

36USC380

P.O. Box 1592, York, Pennsylvania USA 17405-1592
Copyright © by York International Corporation 1995

FORM 180.45-RP1 (1295)
SUPERSEDES: 180.45-RP1 (394)

Subject to change without notice. Printed in USA
ALL RIGHTS RESERVED

RPC 4M 196 .40
CODES: SRC, RWP