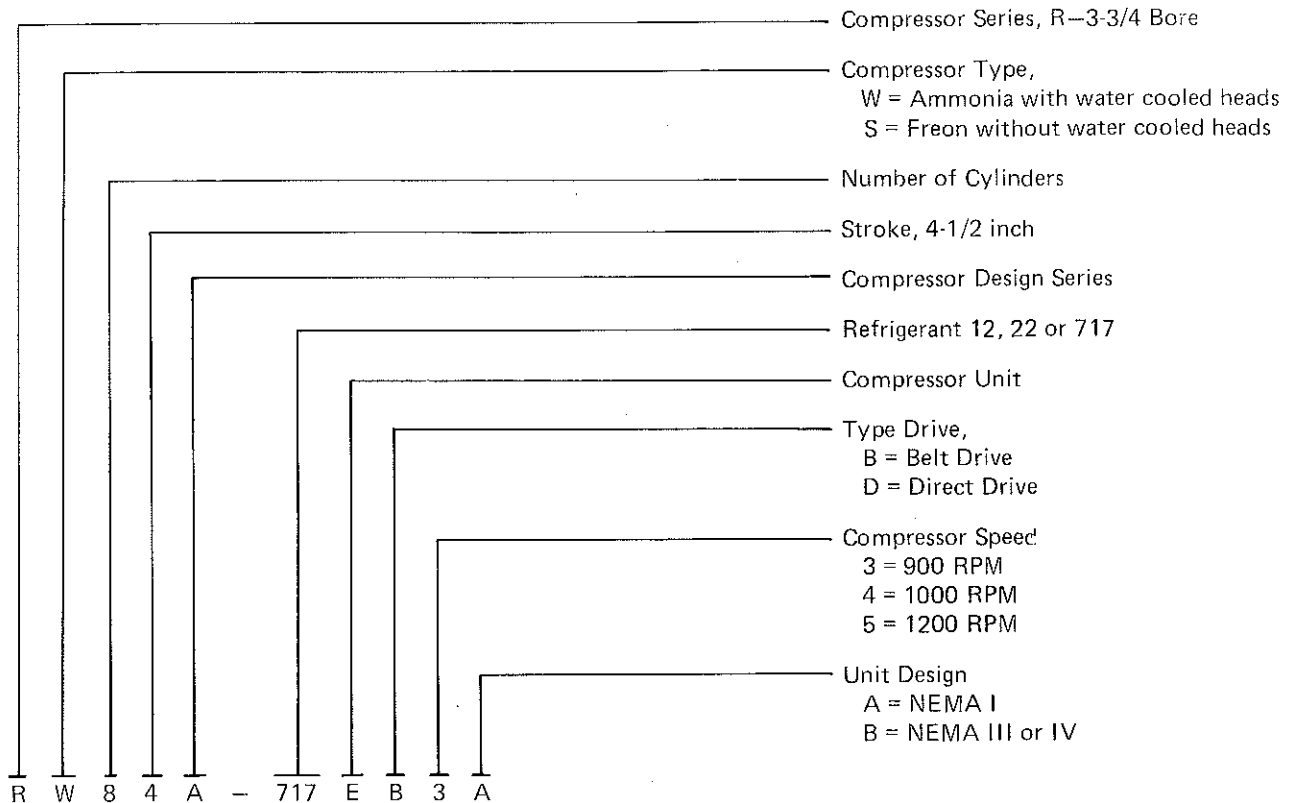


NOMENCLATURE



NOTES

1. Nomenclature shown above is found on the compressor data plate, located on the pump end of the compressor.
 2. When ordering renewal parts include complete compressor nomenclature.
 3. Order parts by listing YORK part number and required quantity.
- △ Indicates change since last printing.

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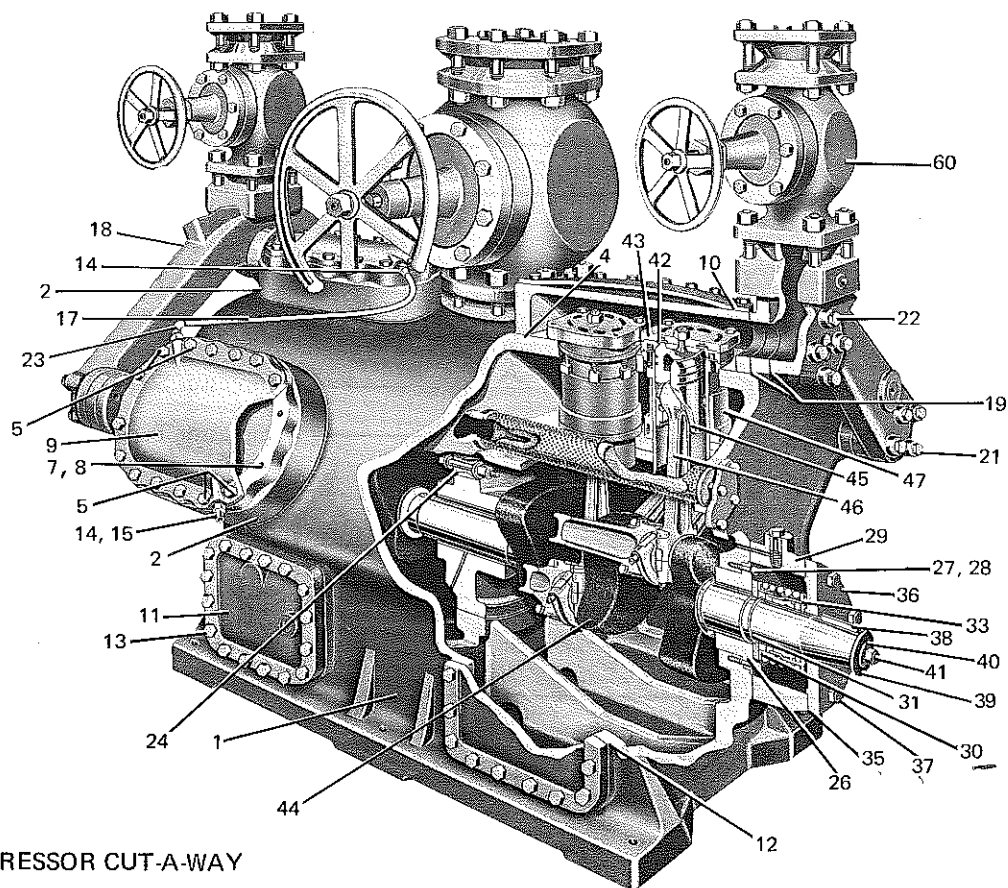


FIG. 1— COMPRESSOR CUT-A-WAY

Item	Description	Part No.				
		4 Cylinder	6 Cylinder	8 Cylinder	12 Cylinder	16 Cylinder
1	Housing, Compressor	064-28846	064-28847	064-28848	064-28849	064-28850
2	Head, Compressor Top	064-28857	064-28857	064-28857	064-28857	064-28857
3	Head, Compressor Top No. Req'd.	2	2	2	4	4
4	Gasket, Top Head (1 Per Top Head)	064-28858	064-28858	064-28858	064-28858	064-28858
5	Screw, Top Head** 1/2 x 5 Lg. (4 Per Head)	1	2	2	2	4
6	Screw, Top Head** 3/8 x 7/8 Lg. (2 Per Head)	021-08898				
7	Screw, Top Head** 1/2 x 4-1/2 Lg. (12 Per Head)	021-01470				
8	Screw, Top Head*** 1/2 x 4 Lg. (16 Per Head)	021-12308				
9	Water Jacket, Top Head (1 Per Head)	021-12330				
10	Gasket, Water Jacket (1 Per Jacket)	064-29089				
11	Cover, Handhole	064-32798				
12	Gasket, Handhole (1 Per Cover)	See Fig. 7				
13	Screw, H.H. Cover (16 Per Cover)	070-02497				
14	Connector, Half Union 1/2 FLA x 7/8 NPTE No. Req'd.	021-09592				
15	Cap Sealing Caplug — 9 No. Req'd.	023-00923	023-00923	023-00923	023-00923	023-00923
16	Connection, Water Cooling No. Req'd.	2	4	2	8	4
17	Connection, Water Cooling No. Req'd.	029-07837	028-07837	028-07837	028-07837	028-07837
18	Manifold, Discharge No. Req'd.	2	2	2	4	4
19	Gasket, Manifold & Spacer No. Req'd.	364-31607	364-31598	364-31592	364-31598	364-31592
20	Spacer, Manifold No. Req'd.	1	1	1	2	2
21	Screw, Manifold (1/2 x 5 Lg.) No. Req'd.		364-31599	364-31593	364-31599	364-31593
22	Screw, Manifold (1/2 x 3-3/4 Lg.) No. Req'd.	364-32806	364-32807	364-32808	364-32807	364-32808
		1	1	1	2	2
		070-09705	070-09705	070-09705	070-09705	070-09705
		3	4	6	8	12
		064-28880	064-28880	064-28880	064-28880	064-28880
		1	1	2	2	4
		021-08898	021-08898	021-08898	021-08898	021-08898
		4	8	8	16	16
		021-12307	021-12307	021-12307	021-12307	021-12307
		4	4	8	8	16

*Not Shown.

**Used on Water Cooled Heads Only.

***Used on Regular Heads Only.

Item	Description	Part No.				
		4 Cylinder	6 Cylinder	8 Cylinder	12 Cylinder	16 Cylinder
23	Elbow, 1/2 FLA x 3/8 NPTE No. Req'd.	023-00871 2	023-00871 2	023-00871 6	023-00871 4	023-00871 12
24	Bearing, Main Center	See Fig. 9				
25	Bearing Head (Including Oil Pump)	See Fig. 10				
26	Bearing, Thrust - Seal End	064-28856				
27	Washer, Flat (4 Per Compr.)	064-00363				
28	Screw, Cap Hex 3/8 x 1-1/4 Lg. (4 Per Compr.)	021-01485				
29	Spacer Seal	See Fig. 16				
△ 30	Collar, Shaft Seal	064-28897				
31	Ring, External Retaining	029-13451				
32*	Ball, 3/16 D. (1 Per Compr.)	029-01845				
33	Seal, Shaft †	029-13450				
34*	Carbon Ring Only †	029-14700				
35	Gasket (2 Per Seal)	064-28865				
36	Cover, Seal †	064-28855				
37	Screw, Cap Cover Seal (8 Per Cover)	021-09017				
38	Key 1/2 Sq. x 2-7/8 Lg.	065-14876				
39	Coupling, Washer (Complete)	364-28926				
40	Lockwasher, Spring 5/8	021-05295				
41	Screw, Cap 5/8 x 1-3/4 Lg.	021-01628				
42	Plate, Suction Valve	See Fig. 11				
43	Cage, Discharge Valve	See Fig. 12				
△ 44	Crankshaft	364-31564	364-31565	364-31566	364-36998	364-36997
45	Piston	See Fig. 13				
46	Connecting Rod	See Fig. 14				
47	Sleeve, Cylinder w/Unloader Parts	See Fig. 15				
48	Device, Unloader (See Fig. 3) No. Req'd.	364-28916 1	364-28916 2	364-28916 3	364-28916 4	364-28916 6
49	Union, Unloader Device (1 Per Unloader)	023-09663				
50	Gasket, Unloader Device (1 Per Unloader)	064-29195				
51*	Heater, Crankcase					
	115V - NEMA 1	025-09422	025-09422	025-09422	025-09422	025-09422
	NEMA 3 & 4	025-12700	025-12700	025-12700	025-12700	025-12700
	230V - NEMA 1	025-09421	025-09421	025-09421	025-09421	025-09421
	NEMA 3 & 4	025-09462	025-09462	025-09462	025-09462	025-09462
	No. Req'd.	1	1	1	2	2
52	Float, Crankcase	See Fig. 8				
53	Valve, Stop 3/8					
	Ammonia Compr.	022-00169	022-00169	022-00169	022-00169	022-00169
	Halocarbon Compr.	022-01582	022-01582	022-01582	022-01582	022-01582
	No. Req'd.	1	1	1	2	2
54	Nut, Flare 3/8	021-05676	021-05676	021-05676	021-05676	021-05676
	No. Req'd.	1	1	1	2	2
55	Bonnet, Flare 3/8	023-01025	023-01025	023-01025	023-01025	023-01025
	No. Req'd.	1	1	1	2	2
56*	Plug, Pipe 1/4	—	—	—	023-01972	023-01972
57	Plug, Sight (2 Per Compr.)	026-17581				
58*	Plug, Pipe 3/4	023-04053	023-04053	023-04053	023-04053	023-04053
	No. Req'd.	1	1	1	2	2
59*	Valve, Relief	022-02097	022-02097	022-02097	022-02097	022-02097
	No. Req'd.	1	2	2	4	4
△ 60	Valves, Stop	See Page 11				
61	Elbow, Suction	See Fig. 17	See Fig. 17	See Fig. 17		
62	Screw, Cap. Suction Strainer (6 Per Cover)	—	—	—	021-01483	021-01483
63	Gasket, Strainer Cover (1 Per Cover)	—	—	—	070-03808	070-03808
64	Strainer, Suction Complete (See Fig. 2) No. Req'd.	—	—	—	364-30871 2	364-30871 4
65	Screen, Strainer	—	—	—	029-03847	029-03847
66	Stud, Collar	—	—	—	064-00377	064-00377
67	Lockwasher, Spring	—	—	—	021-05269	021-05269
68	Gasket, Stud	—	—	—	028-00757	028-00757
69	Cover, Strainer	—	—	—	064-00378	064-00378
70	Nut, Stud (Strainer Cover)	—	—	—	021-00466	021-00466
71	Belt Drive Components	See Fig. 18				

*Not Shown.

†Whenever item 33 or 34 is replaced, the Seal Cover (item 36) must also be replaced.

Item	Description	Part No.				
		4 Cylinder	6 Cylinder	8 Cylinder	12 Cylinder	16 Cylinder
72	Control, Temp. High Discharge Ammonia Compr. Halocarbon Compr. No. Req'd.	025-15381B004 025-15381B005 1	1	1	2	2
73	Valve, Body Capacity Control Manual Solenoid	064-28884 064-37179 064-30163	064-28884 064-29220	064-28884 064-28969	064-28884 064-28969	064-28884 064-28969
74	Gasket, Cap. Control Valve (1 Per Control)	064-30163				
75	Screw Cap. Hex 3/8 x 1-1/2 Lg. (6 Per Control)	021-01497				
76	Valve, Solenoid (Less Coil) No. Req'd.	025-16162C001 1	025-16162C001 2	025-16162C001 3	025-16162C001 3	025-16162C001 3
77	Gasket, Solenoid (1 Per Valve)	064-28982				
78	Screw, Sol. (1/4 x 1-1/4 Lg.) (4 Per Valve)	021-01392				
79	Coil, Solenoid Capacity Control 120 Volt 208/230 Volt No. Req'd.	025-16572B005 025-16572B001 1	2	3	3	3
80	Control, Temp. Hi-Oil	025-15381B006				
* △	Strainer, Oil	029-13678				

*Not Shown.

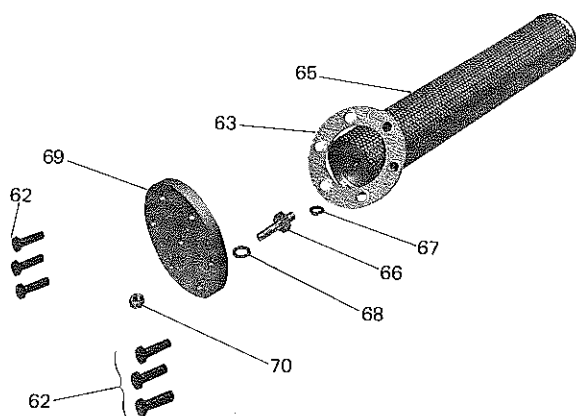


FIG. 2— STRAINER (12 & 16 CYLINDER MODELS)

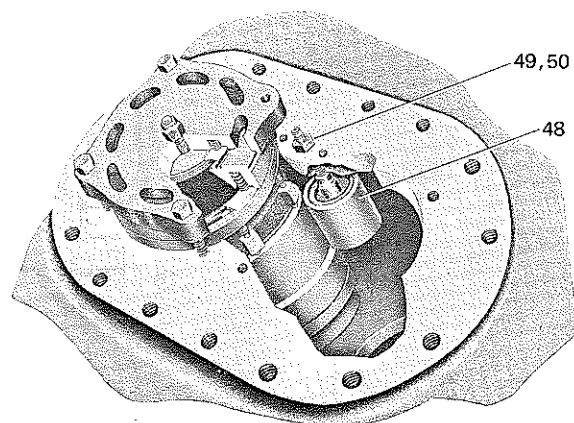


FIG. 3— UNLOADER DEVICE

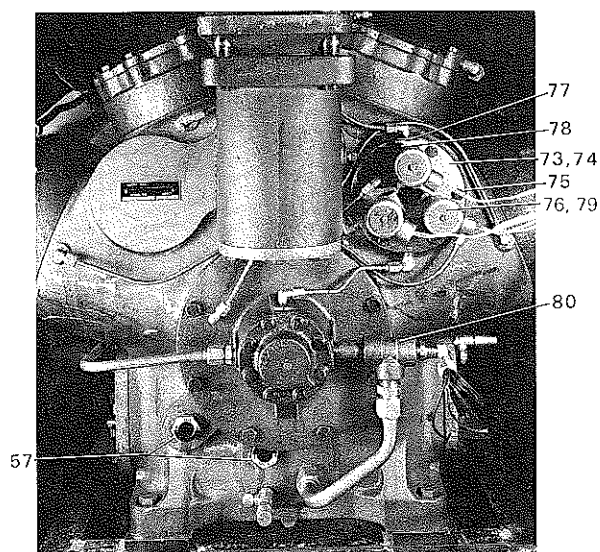


FIG. 4— CAPACITY CONTROL COMPONENTS — PUMP
END

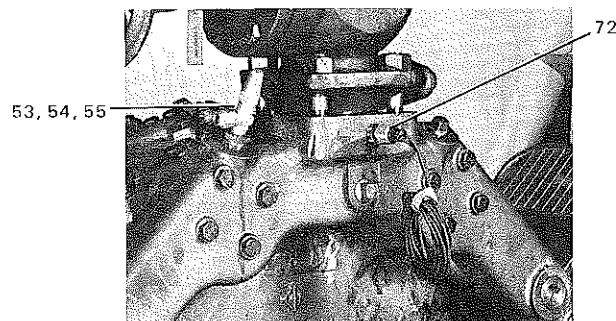
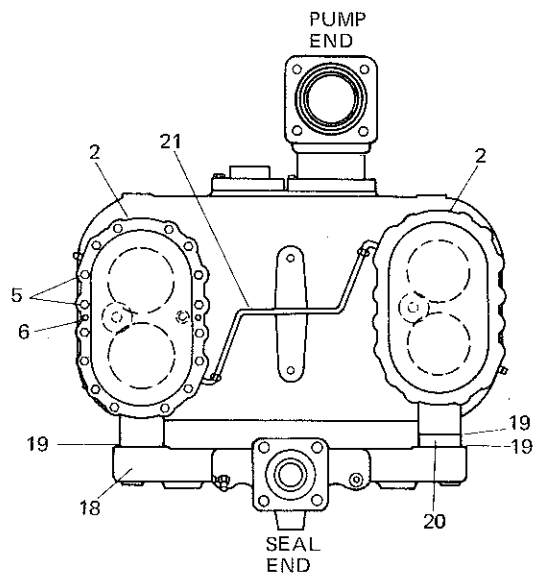
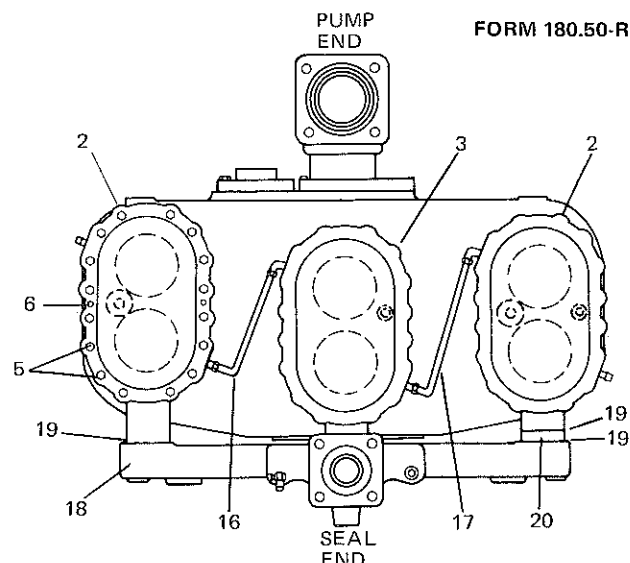


FIG. 5— HIGH TEMPERATURE DISCHARGE —
SEAL END

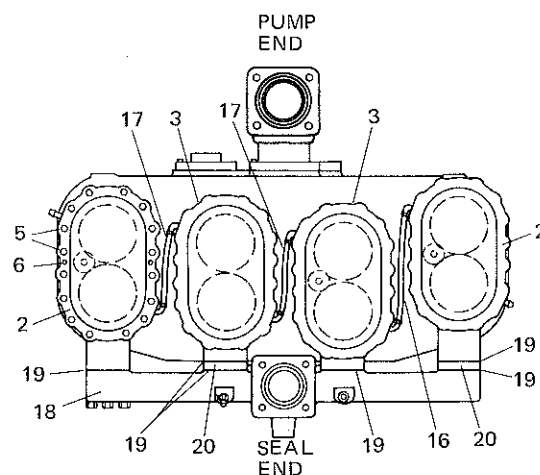
YORK DIVISION BORG-WARNER



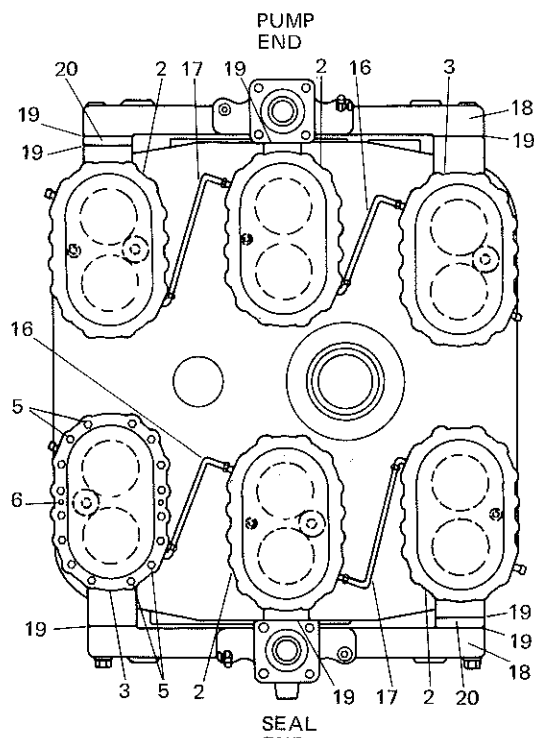
4 CYLINDER



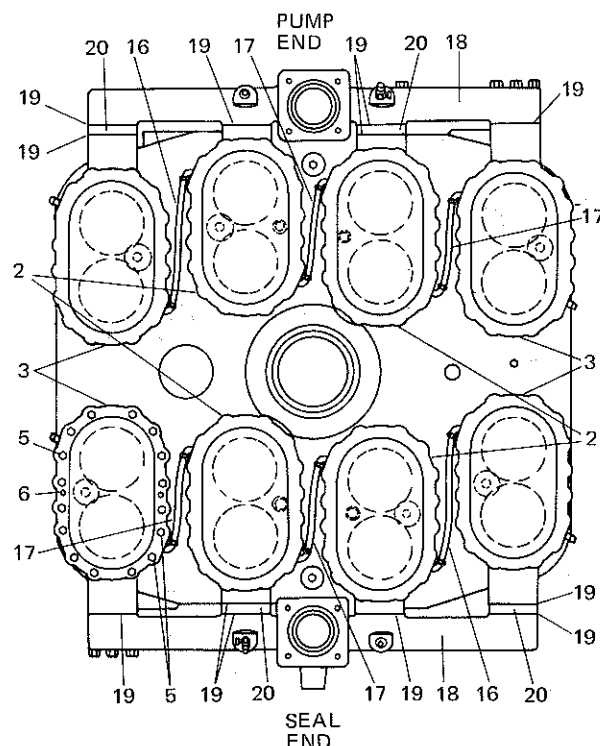
6 CYLINDER



8 CYLINDER

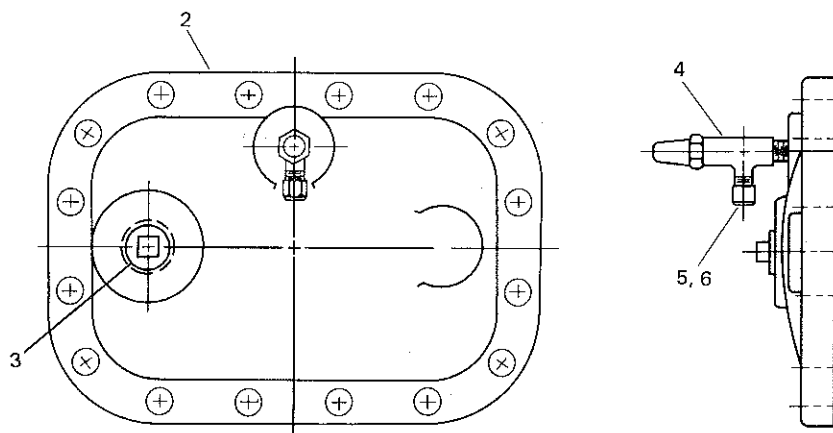


12 CYLINDER



16 CYLINDER

FIG. 6— ARRANGEMENT OF COMPRESSOR TOP HEADS

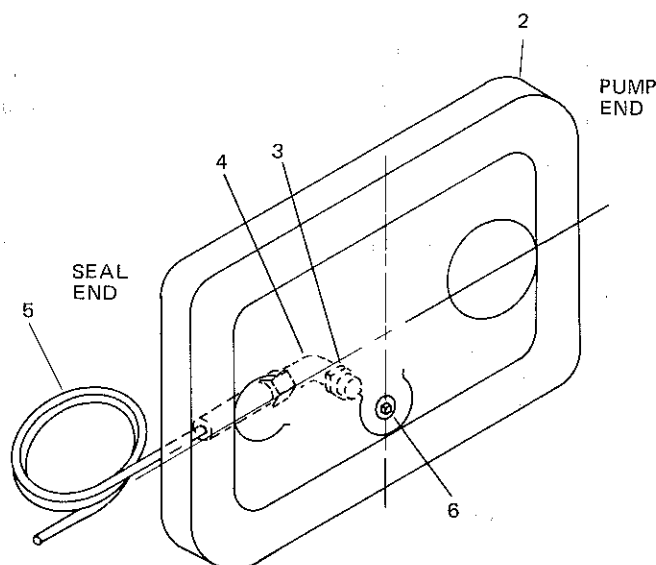
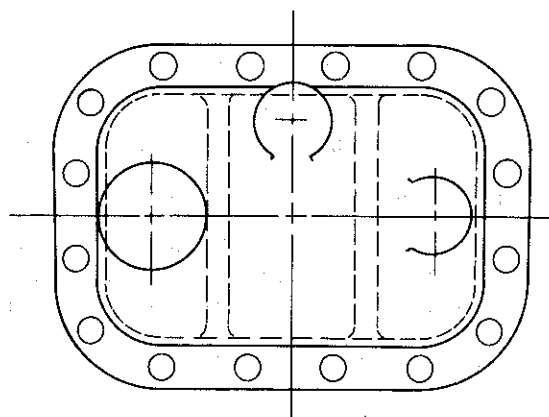


HANDHOLE COVER USED ON AMMONIA COMPRESSORS

Item	Description	Part No.
1	Cover, Handhole Complete	364-35719
2	Cover, Handhole Bare	064-00296
3	Plug, Pipe 3/4 NPTE Sq. Hd.	023-04053
4	Valve, Stop 3/8	022-00169
5	Nut, Flare 3/8	021-05676
6	Bonnet, Flare 3/8	023-01025

HANDHOLE COVER USED ON HALOGEN COMPRESSORS

Item	Description	Part No.
1	Cover, Handhole Complete	364-35720
2	Cover, Handhole Bare	064-00296
3	Plug, Pipe 3/4 NPTE Sq. Hd.	023-04053
4	Valve, Stop 3/8	022-01582
5	Nut, Flare 3/8	021-05676
6	Bonnet, Flare 3/8	023-01025



P/N 064-00295

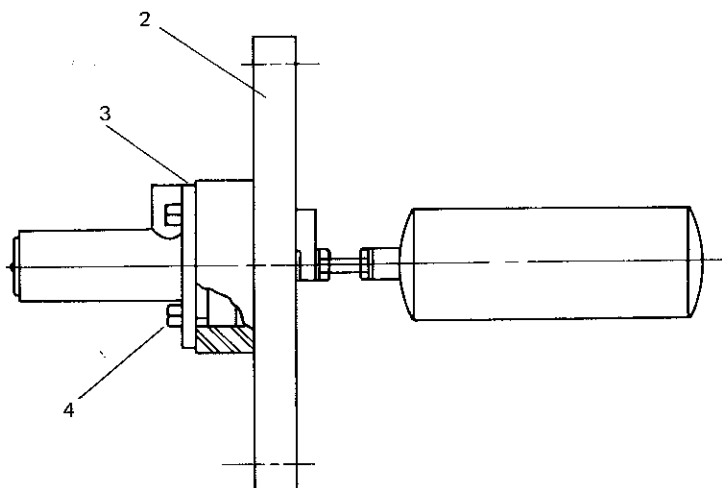
- 1 used on 4, 6, & 8 Cyl. Compr.
- 2 used on 12 & 16 Cyl. Halogen Compr.
- 3 used on 12 & 16 Cyl. Ammonia Compr.

HANDHOLE COVER WITH OIL COOLING COIL USED ON HALOGEN COMPRESSORS

Item	Description	Part No.
1	H.H. Cover Complete w/Coil	364-35721
2	Cover, Handhole Bare	064-35653
3	Bush., Pipe 3/8 NPTE x 1/4 NPT1	023-05810
4	Ell., Flare 90° 1/4 O.D. x 1/4 NPTE	023-10128
5	Tube, Restrictor	364-36385
6	Plug, Pipe 3/8 NPTE, Sq. Hd.	023-01983

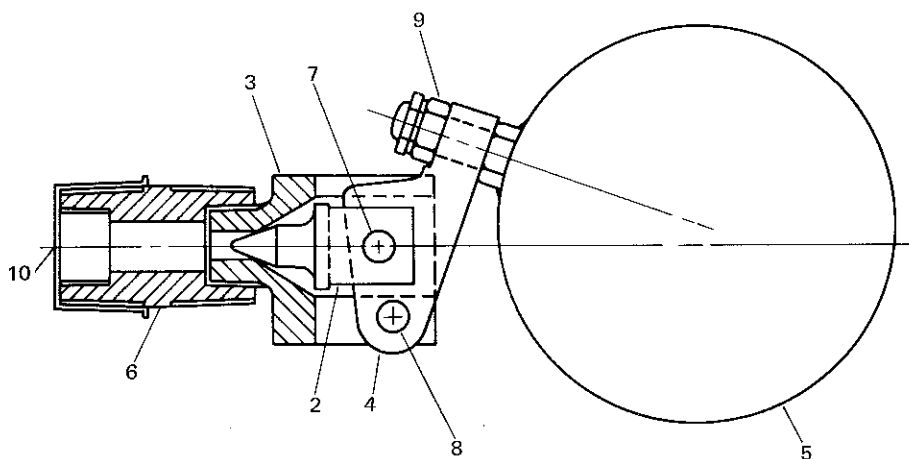
FIG. 7— HANDHOLE COVERS

PHILLIPS FLOAT



Item	Description	Part No.
1	Cover, Handhole w/Float	364-34543
2	Cover, Handhole alone	364-34542
3	Valve, Float	022-02474
4	Screw, Cap. 1/4 x 20UNC x 5/8 Lg. (4 Req'd.)	021-01372

YORK FLOAT



Item	Description	Part No.
1	Valve, Float (Complete Assembly)	468-04540
2	Valve, Float, Base	068-04545
3	Valve, Body	068-04541
4	Lever, Float	068-04542
5	Ball, Float 3-1/2 Dia.	022-00530
6	Nipple, Pipe 3/4 x 3-7/8 Lg.	070-14992
7	Pin - Valve 1/4 Dia. x 13/16 Lg.	068-01594
8	Pin 1/4 Dia. x 1-3/16 Lg.	068-04544
9	Nut, Hex Self Locking 5/16	021-09610
10	Cap, Sealing	028-05015

FIG. 8— CRANKCASE FLOATS

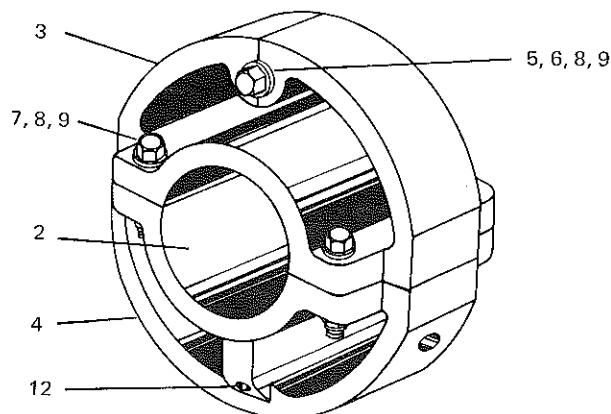


FIG. 9— CENTER MAIN BEARING

Item	Description	Part No.
1	Housing, Bearing (Less Bearing) Includes Items 3, 4, 5, 6, 7, 8 & 9	364-29050
2	Bearing, Center Main*	029-13494
3	Casting, Upper Half	009-00873
4	Casting, Lower Half	009-00874
5	Bushing, Tapered (2 Req'd.)	064-00320
6	Screw, Cap. 1/2 x 13UNC2A x 3-1/2 Lg.	021-01598
7	Bolt, Bearing (4 Req'd.)	064-00321
8	Nut, Flexloc (5 Req'd.)	021-13257
9	Washer, Plain (10 Req'd.)	021-05155
10	Pin, Dowel	064-32853
11	Plug, Pipe 3/8 NPTE	023-01983
12	Plug, Pipe w/ #5 Orifice	064-29216

*Part No. given is only one half of the bearing. Two pieces must be ordered to get a complete bearing.

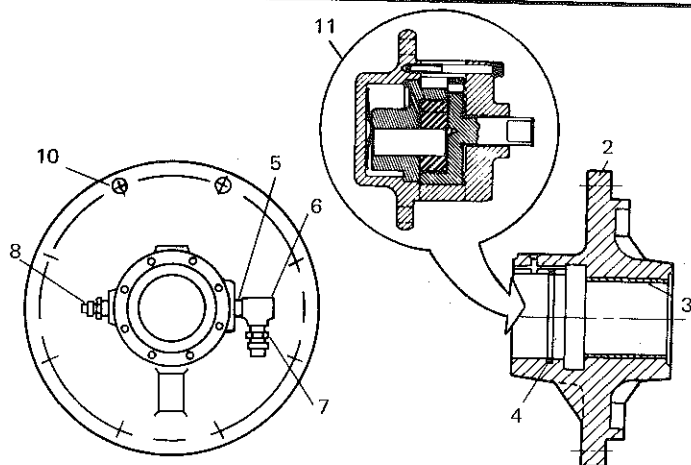
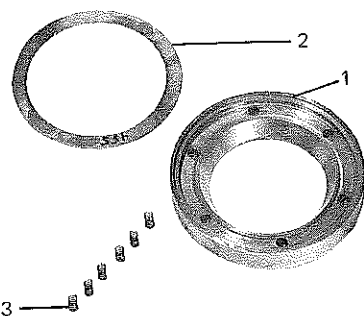


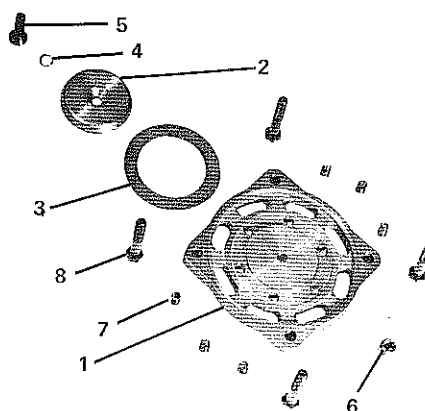
FIG. 10— BEARING HEAD AND OIL PUMP ASSEMBLY

Item	Description	Part No.
1	Head, Brg. Pump End (Complete Assem.— Includes Items 2, 4, 5, 6, 7 & 8)	364-31541
2	Head, Brg. Pump End (Bare)	064-28842
3	Bearing, Pump End	029-14059
4	Seal, "O" Ring 3-1/4 I.D. x 1/16	028-08729
5	Nip. Pipe 1/2 Sch 40 x 2-1/2 Lg.	070-01298
6	Tee, Screw 1/2 NPTI x 1/2 NPTI x 3/4 NPTI	023-04359
7	Connr., FLA 3/4 O.D. x 3/4 NPTE	023-10166
8	Connr., FLA 1/2 O.D. x 3/8 NPTE	023-09675
9	Gasket, Bearing Head	064-27289
10	Screw, Bearing Head (8 per Compr.)	021-02751
11	Pump, Oil Assembly	364-05894
12	Gasket, Oil Pump	064-20109
13	Screw, Cap Oil Pump (8 per Pump)	021-01425



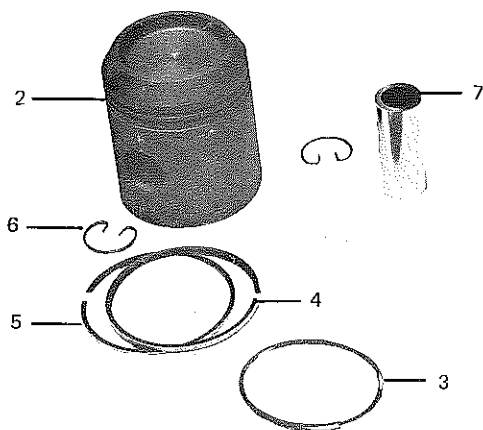
Item	Description	Part No.
1	Plate, Valve Alone Ammonia Halocarbon	064-32799 064-31535
2	Valve, Suction	064-21897
3	Spring, Helical (6)	029-13813

FIG. 11— SUCTION VALVE PLATE

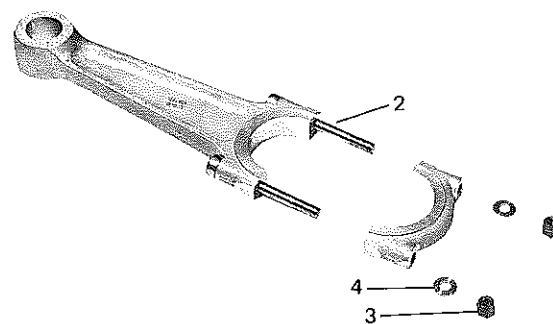


Item	Description	Part No.
1	Cage, Disch. Valve Ammonia Halocarbon	064-32800 064-28854
2	Plate, Disch. Valve	064-21754
3	Valve, Disch.	064-21898
4	Gasket	028-08386
5	Scr., Inner Disch.	021-13856
6	Nut, Self Locking	021-09932
7	Spring, Helical	029-13248
8	Screw, Cap 3/8 x 2-1/2 Lg. (4 per Valve)	021-10037

FIG. 12— DISCHARGE VALVE CAGE

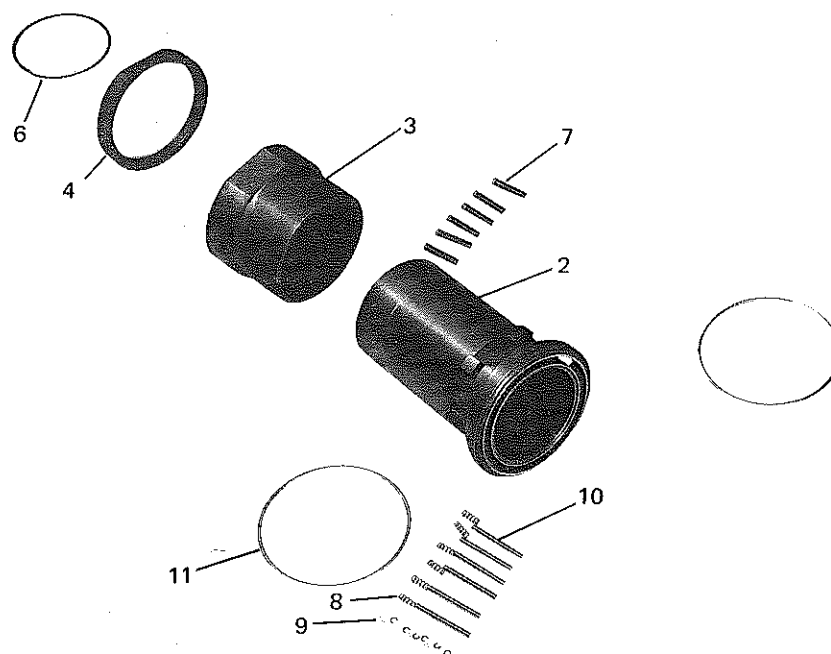


Item	Description	Part No.
1	Piston, Replacement Complete	364-37001
2	Piston, Bare	064-27283
3	Ring, Retaining	029-15176
4	Ring, Piston (Step Gap)	029-15177
5	Ring, Piston (Plain End)	029-15175
6	Spring, Retaining (2 Req'd)	029-13091
7	Pin Piston	029-13090

FIG. 13— PISTON Δ 

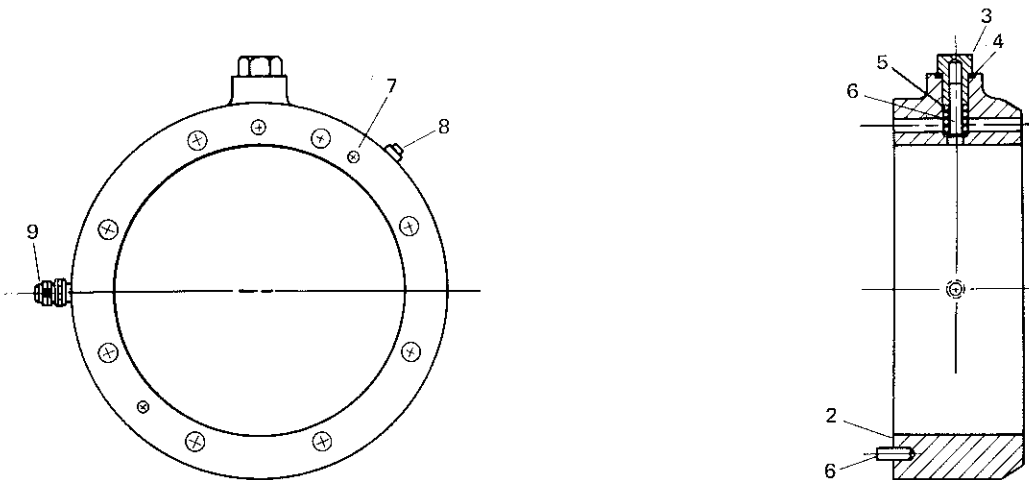
Item	Description	Part No.
1	Connecting Rod Complete	364-28798
2	Bolt, Conn. Rod (2)	064-22949
3	Nut, Self Locking (2)	021-09932
4	Washer, Flat (2)	064-00363

FIG. 14— CONNECTING ROD



Item	Description	Part No.
1	Cylinder with Unloader Parts Complete (Assembly Includes Items 2 thru 10)	364-31546
2	Sleeve, Cylinder	064-28852
3	Sleeve, Unloader Device	064-28885
4	Ring, Support Unloader	064-28902
5	Pin, Insert 1/8 Dia. x 5/8 Lg.	029-07238
6	Ring, Retaining	029-11357
7	Spring, Helical (6)	029-12741
8	Spring, Helical (6)	029-13487
9	Ring, Retaining (6)	029-09016
10	Pin, Lift (6)	029-13444
11	Gasket, Valve Spacer (2 per Cylinder)	064-21704

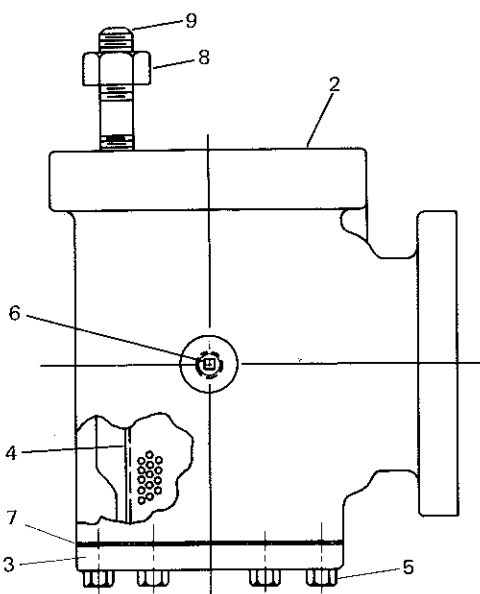
FIG. 15— CYLINDER SLEEVE W/UNLOADER PARTS



USE COPPER SPACER
BETWEEN PLUNGER
& SPRING
PIN 021-11973

Item	Description	Part No.
1	Spacer, Seal Ass'y. Complete	364-31552
2	Spacer, Seal Bare	064-28859
3	Cap, Seal, Oil Relief Valve	065-16729
4	Gasket	065-21657
5	Spring, Helical	029-06143
6	Plunger, Oil Relief Valve	065-01331
7	Pin, Insert 1/4 Dia. x 3/4 Lg. (2 Req'd.)	029-04750
8	Plug, Pipe 1/4	023-01972
9	Connr., FLA 1/2 Tube x 3/8 NPTE	023-09675

FIG. 16— SEAL SPACER ASSEMBLY



Item	Description	Part No.	
		RW44,64	RW84
1	Elbow, Strainer, Suction (Complete Assembly) (Includes Items 2, 3, 4, 5 & 6)	364-31544	364-31545
2	Elbow, Suction	064-28863	064-28864
3	Cover, Strainer	064-28860	064-28860
4	Strainer, Suction	029-13435	029-13435
5	Screw, Cap. (Strainer Cover) (6 Req'd.)	021-01483	021-01483
6	Plug, Pipe	023-01972	023-01972
7	Gasket, Suction Elbow	064-28963	064-28963
8	Nut, Hex 3/8 x 16UNC (8 per Elbow)	021-00471	021-00471
9	Stud 3/8 x 16UNC x 2 Lg. (8 per Elbow)	021-14049	021-14049

FIG. 17— SUCTION ELBOW (4, 6 & 8 Cylinder Models)

STOP VALVES

PUMPOUT AND BYPASS CONNECTIONS (AMMONIA MODELS ONLY)

Model	Part Description	Part No.
RW44A & RW64A	Connection, Suction 3" Connection, Discharge 2-1/2"	364-32231* 364-25903*
RW84A	Connection, Suction 4" Connection, Discharge 3"	364-32233* 364-25902*
RW124A	Valve, Stop (Suction) 5"	368-05611
	Gasket, Suction Stop Valve (2 Req'd.)	028-00551
	Flange, Round, 5" Male	023-02324
	Valve, Stop Discharge 2-1/2" (2 Req'd.)	368-05474
	Gasket, Discharge Stop Valve (2 Req'd. per Valve)	028-00867
	Flange, Square, 2-1/2" Male (2 Req'd.)	023-02307
	Screw, Cap. 3/4 x 10UNC-2A x 4 Lg. (8 Req'd. per Suction Valve)	021-12195
	(4 Req'd. per Disch. Valve)	
	Nut, Hex 3/4 x 10UNC-2B (16 Req'd. per Suction Valve)	021-00504
	(8 Req'd. per Disch. Valve)	
RW164A	Valve, Stop Suction, 6"	368-05612
	Gasket, Suction Stop Valve (2 Req'd.)	028-00882
	Flange, Round 6" Male	023-02328
	Valve, Stop Discharge 3" (2 Req'd.)	368-05299
	Gasket, Disch. Stop Valve (2 Req'd. per Valve)	028-00869
	Flange, Square 3" Male (2 Req'd.)	023-02311
	Screw, Cap 3/4 x 10UNC-2A x 4-1/2 Lg. (8 Req'd. per Suction Valve)	021-12331
	(4 Req'd. per Disch. Valve)	
	Nut, Hex 3/4 x 10UNC-2B (16 Req'd. per Suction Valve)	021-00504
	(8 Req'd. per Disch. Valve)	

*Part Number includes the valve, gasket, companion flange and necessary hardware.

SUCTION AND DISCHARGE CONNECTIONS

Valve Description	Part No. *				
	4 Cylinder	6 Cylinder	8 Cylinder	12 Cylinder	16 Cylinder
Stop Valve, Suction					
Ammonia Compressors					
Handwheel Globe Type	364-32231	364-32231	364-32233	364-25901	364-26309
Handwheel Angle Type	364-32232	364-32232	364-32234	364-32244	364-32245
Halocarbon Compressors					
Globe Type ODF	364-32224	364-32224	364-32228	364-23231	364-23232
Weld Neck	364-32225	364-32225	364-32270	364-23222	364-23223
Angle Type ODF	364-32226	364-32226	364-32229	364-23234	364-23235
Weld Neck	364-32227	364-32227	364-32230	364-23227	364-23228
Stop Valve, Discharge**					
Ammonia Compressors					
Handwheel Globe Type	364-25903	364-25903	364-25902	364-25903	364-25902
Handwheel Angle Type	364-32254	364-32254	364-32255	364-32254	364-32255
Halocarbon Compressors					
Globe Type ODF	364-23236	364-23236	364-23237	364-23236	364-23237
Weld Neck	364-23238	364-23238	364-23239	364-23238	364-23239
Angle Type ODF	364-22577	364-22577	364-22578	364-22577	364-22578
Weld Neck	364-23240	364-23240	364-23241	364-23240	364-23241

*Part No. includes the valve, gasket, companion flange, and necessary hardware.

**1 Req'd. on 4, 6 & 8 Cylinder Models and 2 Req'd. on 12 & 16 Cylinder Models.

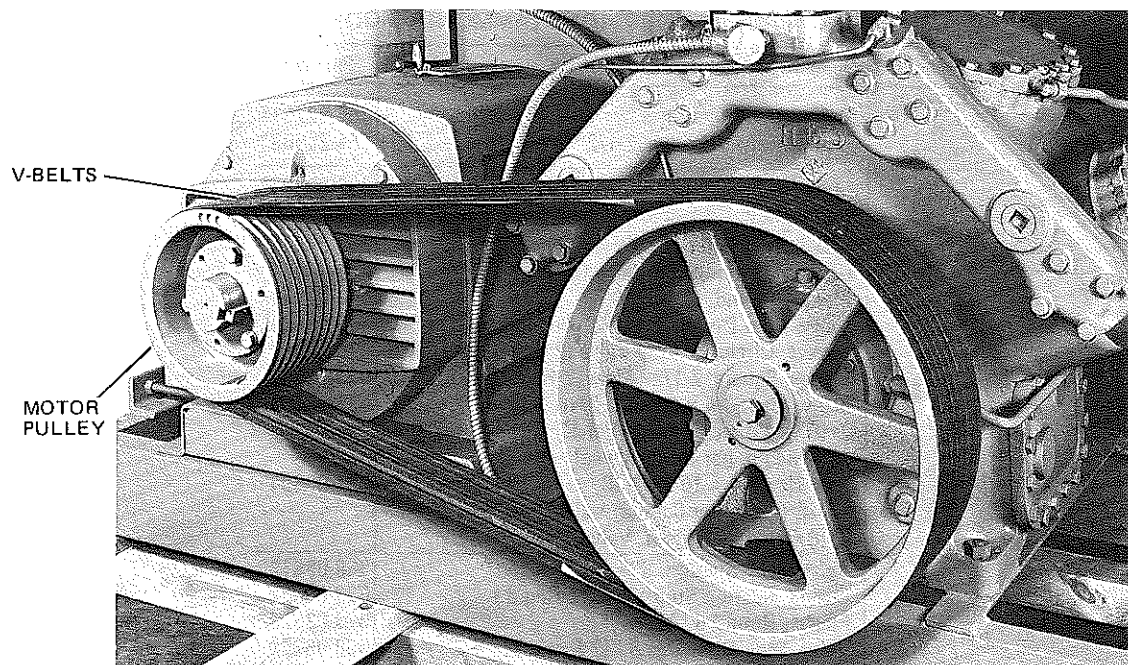


FIG. 18—DRIVE COMPONENTS

MOTOR PULLEY & BELTS

No. of Grooves	Motor Pulley			V-Belts
	O.D.	Bushing	Part No.	
4	14.0	E	028-07824	028-08716
4	17.0	E	028-07826	028-08716
8	14.0	F	028-07783	028-08717
8	17.0	F	028-07785	028-08717
4	12.5	E	028-08722	028-08718
8	12.5	F	028-08723	028-08719
8	10.9	F	028-08453	028-08719
4	10.9	E	028-08451	028-08718

DIRECT DRIVE FLEXIBLE COUPLING

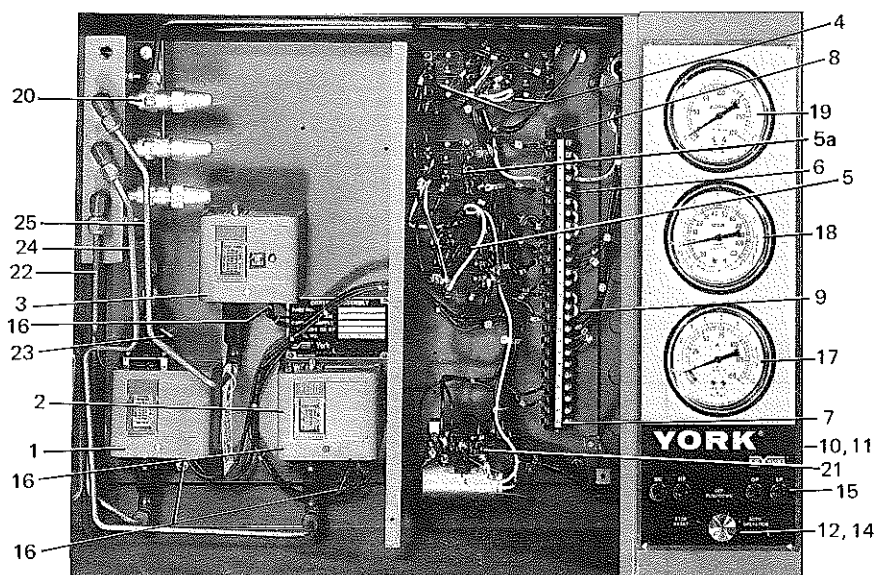
Model	Bushing	Part No.
4 Cyl.	SF	029-14116C002
6 Cyl.	E	029-14116C003
8 Cyl.	E	029-14116C003
12 Cyl.	F	029-14116C005
16 Cyl.	F	029-14116C005

FLYWHEEL (BELT DRIVE ONLY)

Model	O.D.	Part No.
All Models	20.9	028-08715

BUSHING, MOTOR PULLEY & COUPLING

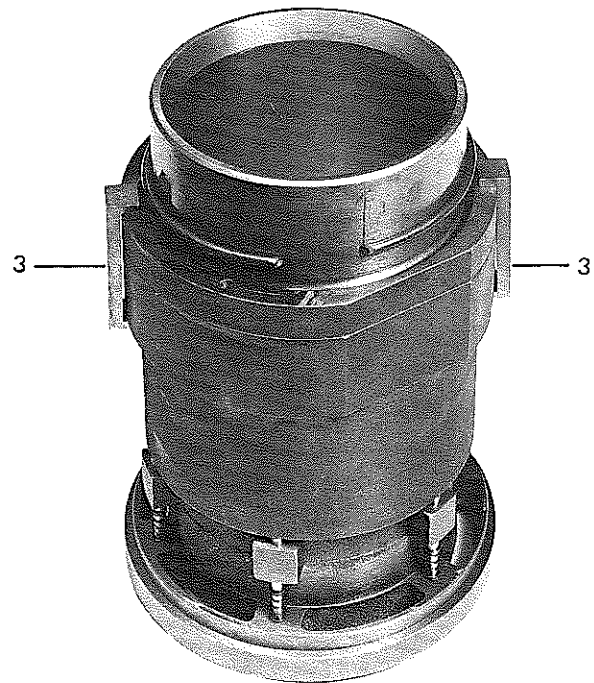
Motor Bore	Keyway	Type E	Type F	Type SF
Rough Bore		028-08164	028-08165	028-08196
1-3/8	5/16 x 5/32	028-07801	028-07802	028-08197
1-5/8	3/8 x 3/16	028-07786	028-07791	028-08198
1-7/8	1/2 x 1/4	028-07787	028-07792	028-08199
2-1/8	1/2 x 1/4	028-07788	028-07793	028-08200
2-3/8	5/8 x 5/16	028-07789	028-07794	028-08201
2-7/8	3/4 x 3/8	—	028-07795	—



Item	Part Description	NEMA 1		NEMA 3 & 4	
		4, 6 & 8 Cylinder	12 & 16 Cylinder	4, 6 & 8 Cylinder	12 & 16 Cylinder
1	Control, Switch Oil Pressure — Halocarbon Ammonia	025-09718 025-16875	025-09718 025-16875	025-09718 025-16875	025-09718 025-16875
2	Control, Low Pressure — Halocarbon Ammonia	025-12044 025-12190	025-12044 025-12190	025-12044 025-12190	025-12044 025-12190
3	Control, High Pressure — Halocarbon (1 on 4, 6 & 8 Cyl., Ammonia 2 on 12 & 16 Cyl.)	025-12238 025-12191	025-12238 025-12191	025-12238 025-12191	025-12238 025-12191
4	Relay, Control (2 Req'd.)	024-14519	024-14519	024-14519	024-14519
5	Relay, Control (1R)	024-17027	024-17027	024-17027	024-17027
△ 5a	Relay, Control	024-17075	024-17075	024-17075	024-17075
6	Block, Terminal (25 Req'd.)	025-15865	025-15865	025-15865	025-15865
7	Strip, Marker	025-17091	025-17091	025-17091	025-17091
8	Block, Terminal End	025-13981	025-13981	025-13981	025-13981
9	Jumper, Terminal Block (8 Req'd.)	025-13984	025-13984	025-13984	025-13984
10	Fuseholder	025-13991	025-13991	025-13991	025-13991
11	Fuse	025-14019	025-14019	025-14019	025-14019
12	Switch, Man. 2 Pole — 3 Position	024-06916	024-06916	—	—
13	Switch, Selector	—	—	024-13862	024-13862
14	Knob	362-68410	362-68410	—	—
15	Light Indicator (4 Req'd.)	025-13551	025-13551	—	—
16	Bushing, Snap (4 Req'd. in 4, 6 & 8 Cyl., 5 on 12 & 16 Cyl.)	025-10209	025-10209	025-10209	025-10209
17	Gauge, Oil — Halocarbon Ammonia	026-18762 026-18763	026-18762 026-18763	026-18764 026-18765	026-18764 026-18765
18	Gauge, Suction — Halocarbon Ammonia	026-14295 026-14365	026-14295 026-14365	026-14367 026-14371	026-14367 026-14371
△ 19	Gauge, Discharge — Halocarbon Ammonia	026-14294 026-14363	026-14294 026-14363	026-14366 026-14369	026-14366 026-14369
△ 20	Valve, Stop Angle (3 Req'd.)	022-01581	022-01581	022-01581	022-01581
21	Relay, Time Delay (2TR)	024-16255	024-16255	024-16255	024-16255
22	Conn., Oil Pressure	067-80886	067-80886	067-80886	067-80886
23	Conn., Crankcase Pressure	066-36639	066-36639	066-36639	066-36639
24	Conn., Suction Press. (Ammonia Models Only)	067-80948	067-80948	067-80948	067-80948
25	Conn., Discharge Press. (Ammonia Models Only)	066-36641	066-36641	066-36641	066-36641
26	Conn., Discharge Press. (Ammonia Models Only)	—	066-36640	—	066-36640
27	Conn., Oil Gauge — Halocarbon Ammonia	367-80151 367-80326	367-80151 367-80326	367-84668 367-84665	367-84668 367-84665
28	Conn., Suction Gauge — Halocarbon Ammonia	367-80149 367-80327	367-80149 367-80327	367-84669 367-84666	367-84669 367-84666
29	Conn., Discharge Gauge — Halocarbon Ammonia	367-80150 367-80840	367-80150 367-80840	367-84667 367-84664	367-84667 367-84664
30	Lock	029-07382	029-07382	—	—
31	Header	067-79739	067-79739	066-11983	066-11983
32	Gasket	—	—	067-84610	067-84610

TOOLS

Tool Description	Part No.
1. John Crane Seal Puller	364-37059
2. Bearing Puller — Required to Remove and reinstall bearing in bearing head	364-37051
3. Unloading Sleeve Clip — Required to assemble unloading sleeve from cylinder liner (2 Req'd.) (Refer to accompanying photo)	064-37002
4. Valve Clip (2 Req'd)	064-03447



OIL COOLING COMPONENTS

Part Description	Part No.
Valve, Solenoid *	
NEMA 1	025-17496
NEMA 3	025-17497
NEMA 4	025-17497
Temp., Control *	
NEMA 1	025-17499
NEMA 3	025-17500
NEMA 4	025-17501
Cooler, Oil (Ammonia)	366-43124

*Halocarbon Models Only.

REPLACEMENT COMPRESSORS

Model	Ammonia	Halocarbon
4 Cylinder	364-29064T004	364-29064T005
6 Cylinder	364-29065T004	364-29065T005
8 Cylinder	364-29066T004	364-29066T005
12 Cylinder	364-29067T004	364-29067T005
16 Cylinder	364-29068T004	364-29068T005

REPLACEMENT GASKET KITS

Model Compr.	Kit Part No.
RS44, RW44	364-37762
RS64, RW64	364-37763
RS84, RW84	364-37764
RS124, RW124	364-37765
RS164, RW164	364-37766

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COL 8M 873 .60
Form 180.50-RP

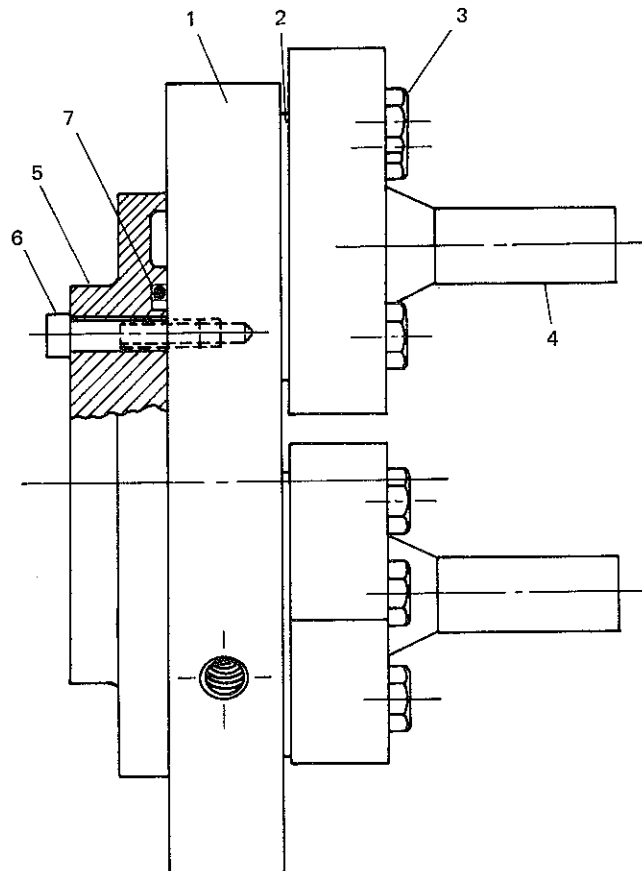
Code: S(N) & R(N)
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YORK DIVISION OF BORG-WARNER CORPORATION
BORG-WARNER
P.O. BOX 1592, YORK, PENNSYLVANIA 17405

AUTOMATIC (SOLENOID)

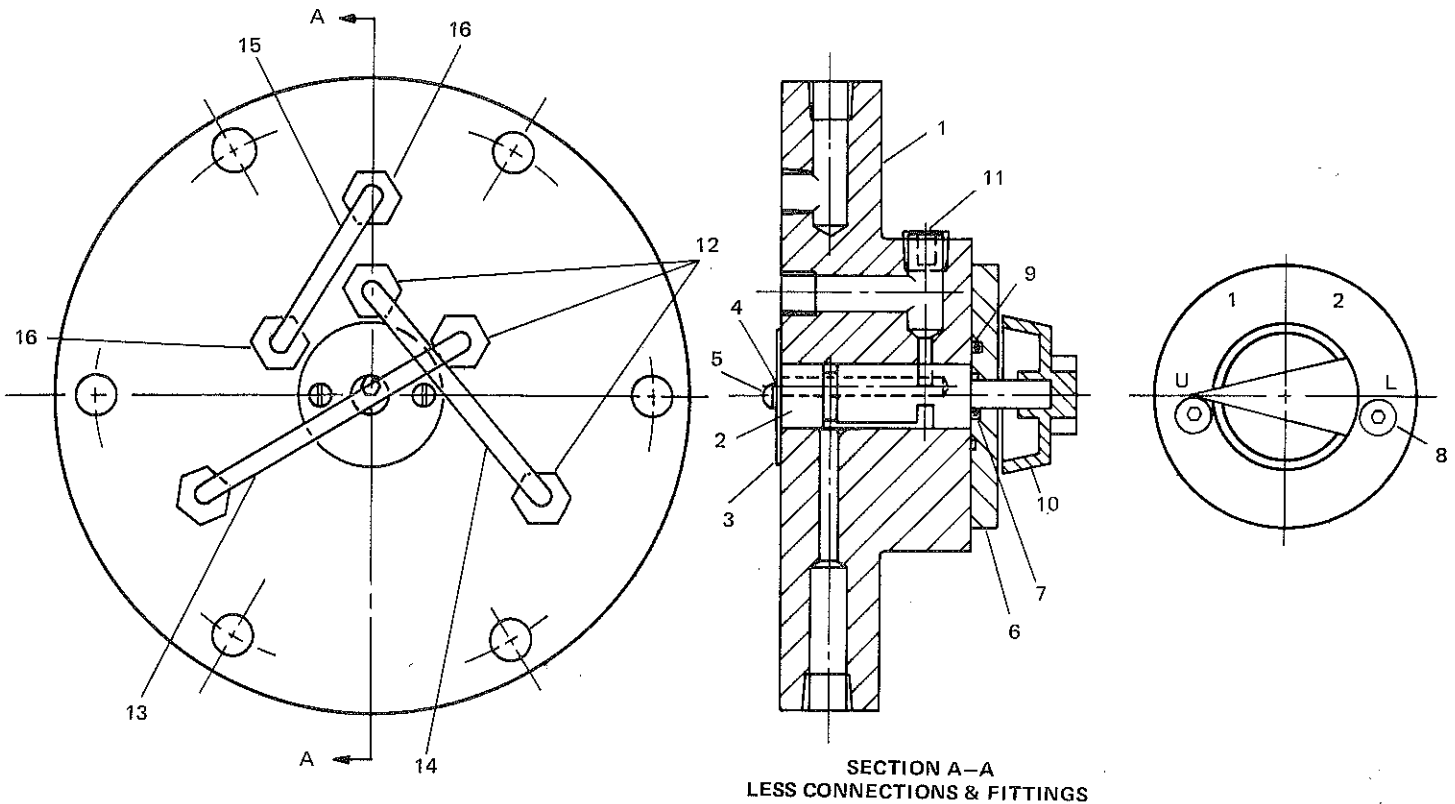
ITEM	DESCRIPTION	PART NO.
1	Body 4 Cylinder 6 Cylinder 8, 12, & 16 Cylinder	064-37179 064-29220 064-28969
2	Gasket, Solenoid (1 Per Solenoid)	064-28982
3	Cap Screw 1/4" x 1-1/4" (4 Per Solenoid)	021-01392
4	Valve, Solenoid (Less Coil)* 4 Cylinder, 1 Req'd. 6 Cylinder, 2 Req'd. 8, 12, & 16 Cylinder, 3 Req'd.	025-16162-001 025-16162-001 025-16162-001
5	Cover	064-28983
6	Cap Screw #10 x 1" (3 Req'd.)	021-10153
7	"O" Ring Elbow, 90° Flare Connection, Flare Elbow, 45° Flare	028-05166 023-09678 023-09669 023-09934

* See Form 180.50-RP, Fig. 4 for coil part numbers.



MANUAL

ITEM	DESCRIPTION	PART NO.
1	Valve Body	064-28884
2	Plunger	064-28903
3	Retaining Plate	064-36590
4	Lockwasher, Spring #10 (2 Req'd.)	021-05287
5	Screw #10 x 3/8" (2 Req'd.)	021-01758
6	Cover Plate	064-36591
7	"O" Ring 1/4" I.D.	028-08959
8	Screw, Socket HD #10 x 1/2" (2 Req'd.)	021-12425
9	"O" Ring 7/8" I.D.	028-04845
10	Knob	029-09293
11	Pipe Plug 1/8"	023-01970
12	Connection, Flare 3/16 O.D. x 1/8 NPTE (4 & 6 Cylinder Models - 4 Req'd.) (8, 12, & 16 Cylinder Models - 6 Req'd.)	023-09666
13	Connection	364-29204
14	Connection	364-29205
15	Connection (8, 12, & 16 Cylinder Models Only)	364-29206
16	Pipe Plug (4 & 6 Cylinder Models Only)	023-01970
	Elbow, 90° Flare	023-09678
	Tee, Flare	023-09684
	Connection, Flare	023-09669
	Elbow, 45° Flare	023-09934



SECTION A-A
LESS CONNECTIONS & FITTINGS

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SHU 4M 1173 .05
Form 180.50-RP (Supl.1)

Code: S(N) & R(N)
S(N) & R(NP) - Int.

YORK **BORG-WARNER**
DIVISION OF BORG-WARNER CORPORATION
P.O. BOX 1592, YORK, PENNSYLVANIA 17405

MODELS

**RS4, RS6, RS8, RS12, RS16,
RW4, RW6, RW8, RW12, RW16**

The discharge valve cage and suction valve plate for Model R compressors have been re-designed. The changes involved and means of identification are as follows:

1. Discharge Valve Cage (See Fig. 1) — The thickness has been increased $1/8''$. The valve cage will have four larger core ports rather than 8 small ports. The discharge valve cage for RW (ammonia) compressors will have a bevel cut from its 4 corners as a means of identification. The length of the discharge valve cage assembly center bolt has been increased $1/8''$. The specified torque for the 4 valve cage hold down bolts has been increased to 30 ft. lb.
2. Suction Valve Plate (See Fig. 2) — Valve plate thickness has been increased $.020''$. The valve plate for RW (ammonia) compressors will have 1 groove in the circumference for identification. The valve plate for RS (halo-carbon) compressors will have 2 grooves in the circumference for identification. Gaskets (Part No. 064-21704) which fit between the compressor housing and the cylinder sleeve, and between the cylinder sleeve and the suction valve plate have been eliminated. When replacing old suction valve plates with new plates be sure to discard existing gaskets (Part No. 064-21704).

New part numbers are given in the accompanying illustrations. These supersede Fig. 11 & Fig. 12 in 180.50-RP.

ITEM	DESCRIPTION	PART NO.
	Assembly (Includes items 1-7)	
	Ammonia	364-44472
	Halocarbon	364-42306
1	Cage, Disch. Valve	*
	Ammonia	*
	Halocarbon	*
2	Plate, Disch. Valve	064-21754
3	Valve, Disch.	064-21898
4	Gasket	028-08386
5	Scr., Inner Disch.	021-13856
6	Nut, Self Locking	021-09932
7	Spring, Helical	029-13248
8	Screw, Cap 3/8x2 1/2 Lg. (4 per Valve)	021-10037

* Discharge Valve Cage, Item 1, not available separately.
Order assembly #364-44472 or #364-42306.

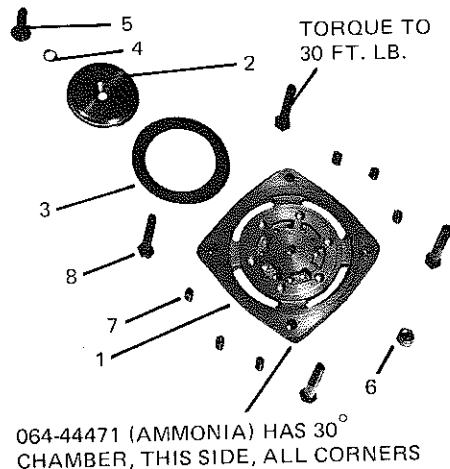


FIG. 1 — DISCHARGE VALVE CAGE ASSEMBLY

ITEM	DESCRIPTION	PART NO.
	Assembly (includes items 1-3)	
	Ammonia	364-42717
	Halocarbon	364-42718
1	Plate, Valve	
	Ammonia	064-42715
	Halocarbon	064-42716
2	Valve, Suction	064-21897
3	Spring, Helical (6)	029-13813

FIG. 2 — SUCTION VALVE PLATE ASSEMBLY

