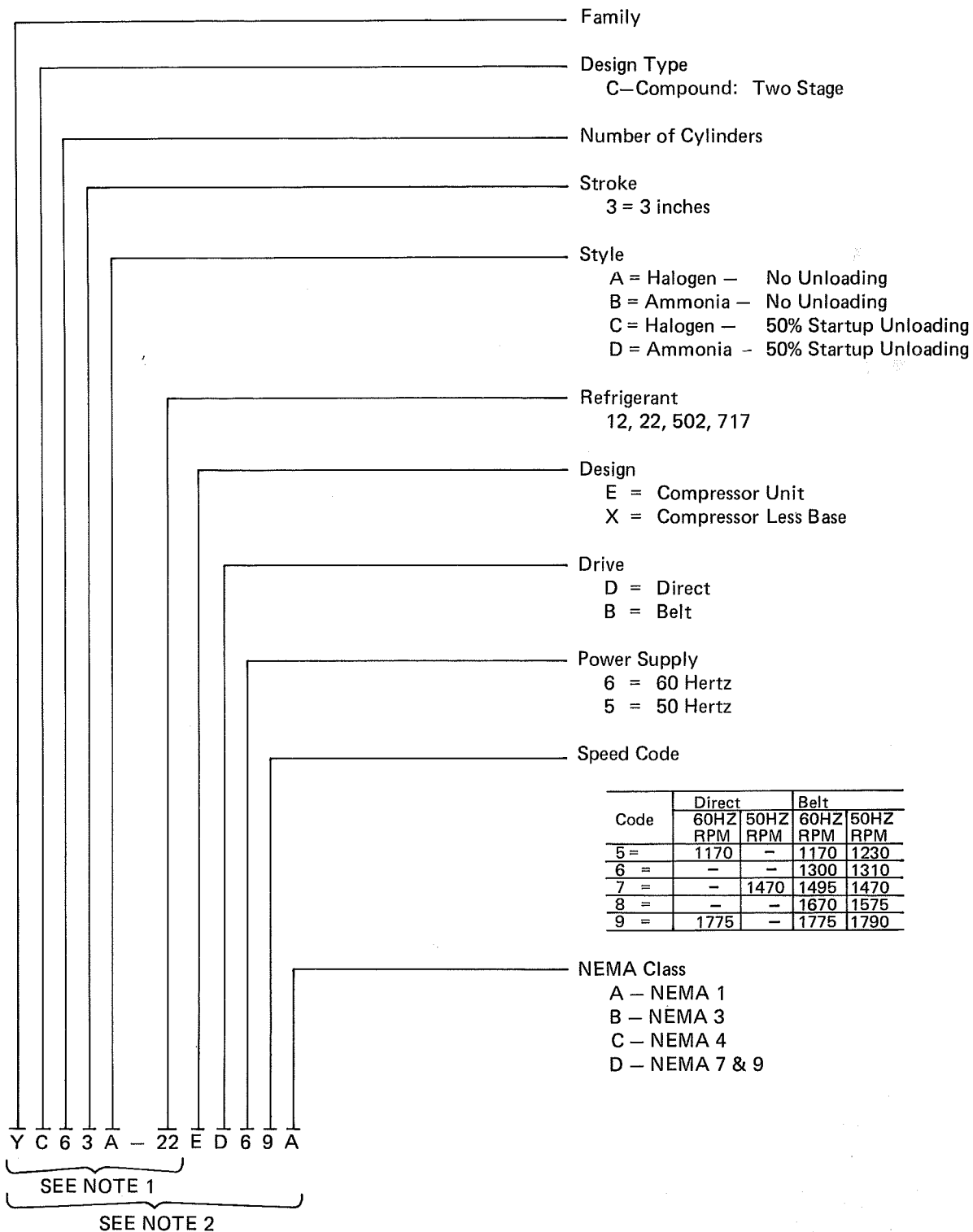


NOMENCLATURE



NOTES

1. Nomenclature found on the compressor data plate, located on the pump end of the compressor.
2. Nomenclature found on unit data plate, located on unit base.
3. When ordering renewal parts include complete compressor nomenclature.
4. Order parts by listing YORK part number and required quantity.

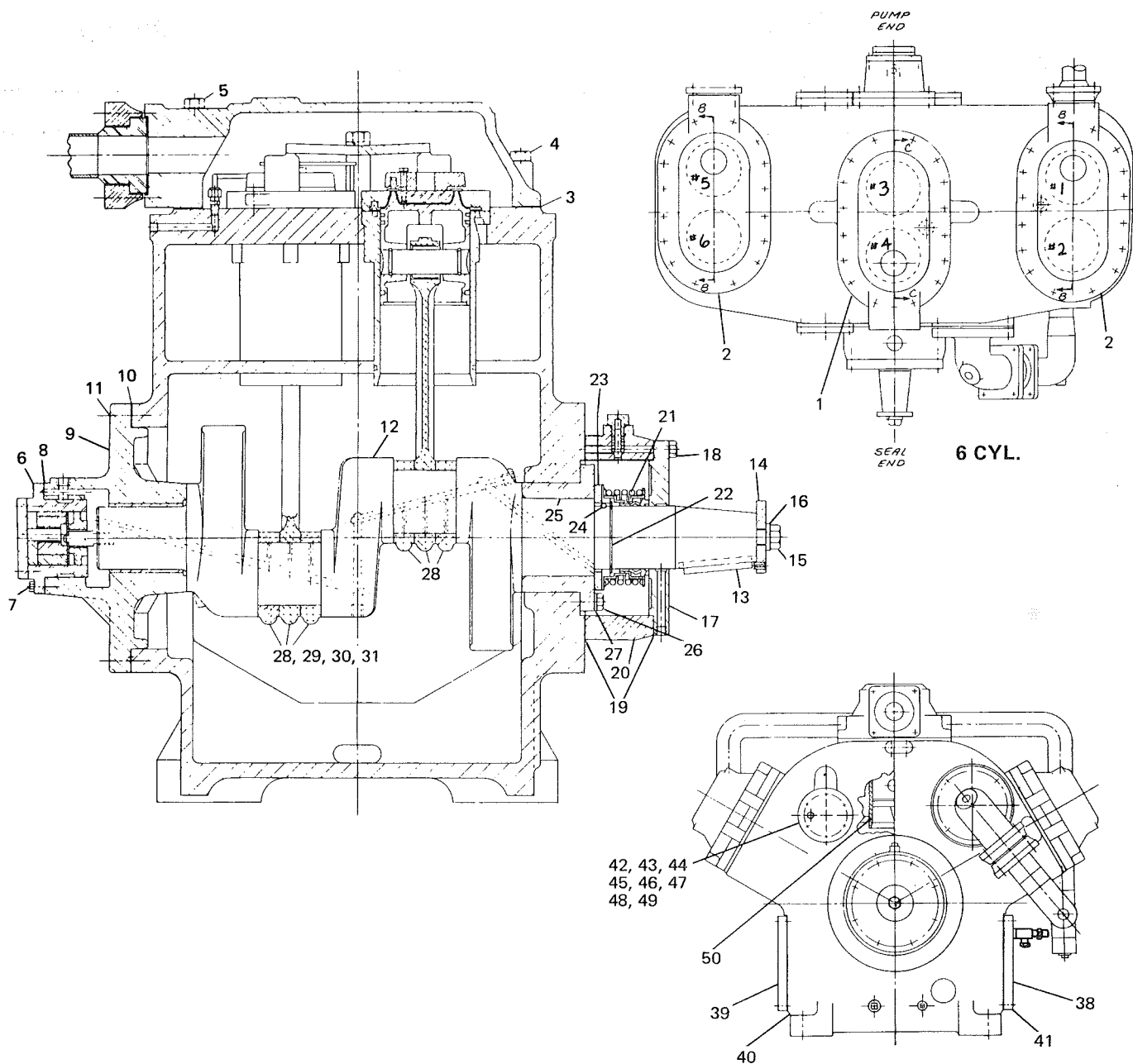
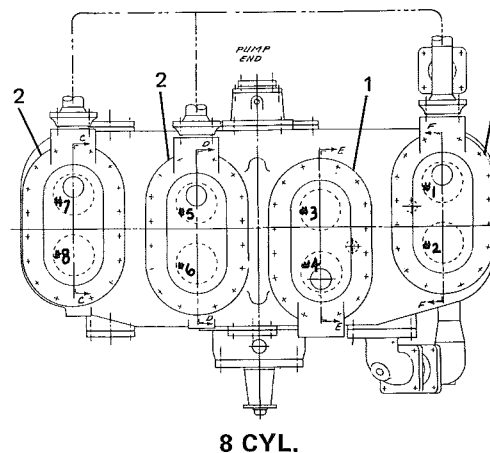
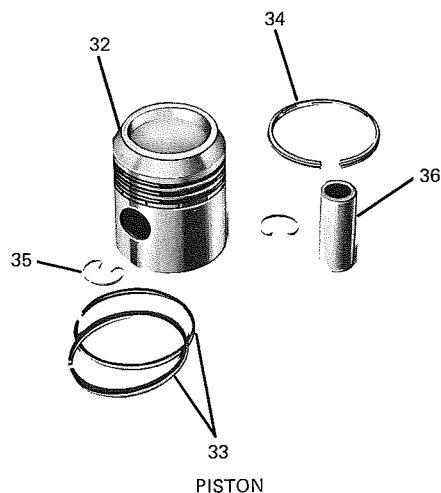
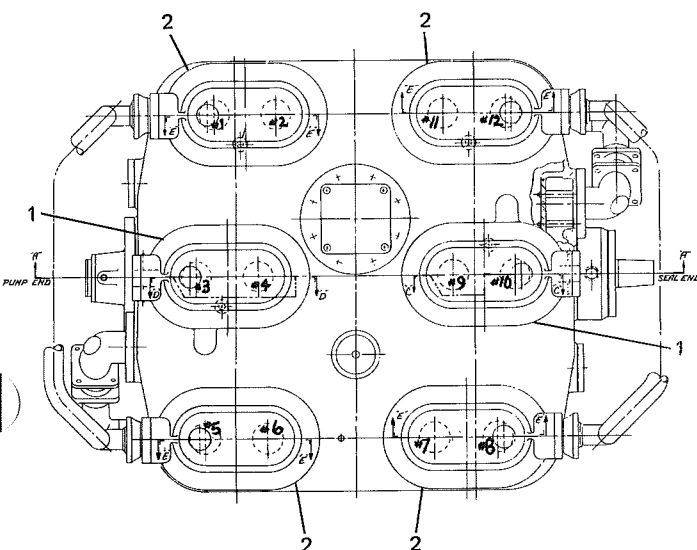


FIG. 1 — COMPRESSOR CROSS SECTION

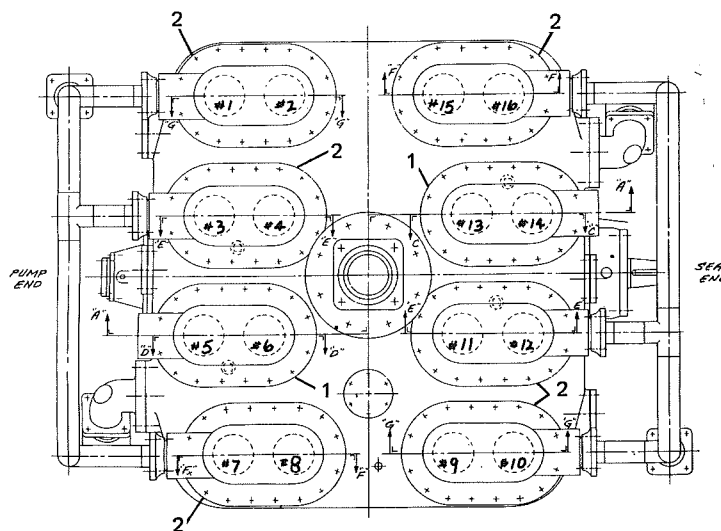
Item No.	Description	YC6	YC8	YC12	YC16
1	Head, Compressor No. Req'd.	064-19829 1	064-19829 1	064-19829 2	064-19829 2
2	Head, Compressor No. Req'd.	064-19734 2	064-19734 3	064-19734 4	064-19734 6
3	Gasket, Head No. Req'd.	064-19810 3	064-19810 4	064-19810 6	064-19810 8
4	Bolt, Top Head; 1/2"—13 x 2-1/2" (14 Req'd./Head)	021-01589	021-01589	021-01589	021-01589
5	Bolt, Top Head; 1/2"—13 x 5" (2 Req'd./Head)	021-08898	021-08898	021-08898	021-08898
6	Pump, Oil	026-20144	026-20144	026-20144	026-20144
7	Screw Cap, Oil Pump; 5/16—18 x 7/8" (8 Req'd.)	021-01425	021-01425	021-01425	021-01425
8	Gasket, Oil Pump	064-20109	064-20109	064-20109	064-20109



8 CYL.



12 CYL.



16 CYL.

FIG. 1 — CONTINUED

Item No.	Description	YC6	YC8	YC12	YC16
9	Bearing Head Ass'y. (Pump end) Includes: Bearing Head Bearing Conn., FLA. 1/2" O.D. x 3/8" NPTE	364-31541	364-31541	364-31541	364-31541
10	Gasket, Br'g. Hd. To Compressor	064-27289	064-27289	064-27289	064-27289
11	Bolt, Br'g. HD; 1/2"-13 x 1-3/4" (8 Req'd.)	021-02751	021-02751	021-02751	021-02751
12	Crankshaft	364-41472	364-41473	364-44164	364-44165
13	Key Crankshaft	065-14876	065-14876	065-14876	065-14876
14	Washer, Coupling	364-28926	364-28926	364-28926	364-28926
15	Bolt, Coupling Washer; 5/8"-11 x 1-3/4"	021-01628	021-01628	021-01628	021-01628
16	Lockwasher; 5/8"	021-05295	021-05295	021-05295	021-05295
17	Cover, Seal	064-28855	064-28855	064-28855	064-28855
18	Bolt, Seal Cover; 3/8"-16 x 4-1/4" (8 Req'd.)	021-09017	021-09017	021-09017	021-09017
19	Gasket, Seal (2 Req'd.)	064-28865	064-28865	064-28865	064-28865
20	Spacer Seal	See Fig. 3	See Fig. 3	See Fig. 3	See Fig. 3
21	Seal, Shaft	029-13450	029-13450	029-13450	029-13450
22	Ring, Retaining	029-13451	029-13451	029-13451	029-13451

Item No.	Description	YC6	YC8	YC12	YC16
23	Collar, Shaft Seal	064-28897	064-28897	064-28897	064-28897
24	Ball, Locking	029-01845	029-01845	029-01845	029-01845
25	Bearing, Seal End	064-28856	064-28856	064-28856	064-28856
26	Bolt, Bearing; 3/8"—16 x 1-1/4" (4 Req'd.)	021-01485	021-01485	021-01485	021-01485
27	Washer, Flat	021-01274	021-01274	021-01274	021-01274
28	Rod, Connecting	364-41483	364-41483	364-41483	364-41483
29	Bolt, Connecting Rod	064-22949	064-22949	064-22949	064-22949
30	Nut, Locking-Conn. Rod Bolt	021-09932	021-09932	021-09932	021-09932
31	Washer — Conn. Rod Bolt	021-01274	021-01274	021-01274	021-01274
32	Piston	064-45368	064-45368	064-45368	064-45368
33	Ring, Plain (2 Req'd.)	029-15175	029-15175	029-15175	029-15175
34	Ring, Oil	029-04452	029-04452	029-04452	029-04452
35	Spring, Retaining (2 Req'd.)	029-13091	029-13091	029-13091	029-13091
36	Pin, Piston	029-13090	029-13090	029-13090	029-13090
38	Cover, Handhole (With Valve)	364-35720	364-35720	364-35720	364-35720
	Cover Only	064-42490	064-42490	064-42490	064-42490
	Valve	022-01582	022-01582	022-01582	022-01582
39	Cover, Handhole (With Plug)	364-41482	364-41482	364-41482	364-41482
40	Gasket, Handhole Cover	070-02497	070-02497	070-02497	070-02497
41	Bolt, Handhole Cover; 1/2"—13 x 1-1/2 (16 Req'd./Cover)	021-01567	021-01567	021-01567	021-01567
42	Strainer, Suction	029-03847	029-03847	029-03847	029-03847
43	Cover, Strainer	064-28040	064-28040	064-28040	064-28040
44	Stud, Collar	064-00377	064-00377	064-00377	064-00377
45	Nut, Strainer Cover Stud	021-00466	021-00466	021-00466	021-00466
46	Gasket, Stud	028-00757	028-00757	028-00757	028-00757
47	Lockwasher, Stud	021-05269	021-05269	021-05269	021-05269
48	Gasket, Strainer Cover To Compr. (2 Req'd.)	070-03808	070-03808	070-03808	070-03808
49	Bolt, 3/8"—16 x 1-1/8; Strainer Cover To Compr.	021-01483	021-01483	021-01483	021-01483
50	Seal Ring; Cylinder Sleeve (No Req'd.)	028-03878 6	028-03878 8	028-03878 12	028-03878 16
51	Sightglass, Oil Level (2 Req'd.)	026-17581	026-17581	026-17581	026-17581
52	Cover, Handhole (Plain) (2 Req'd.)	—	—	064-42088	064-42088

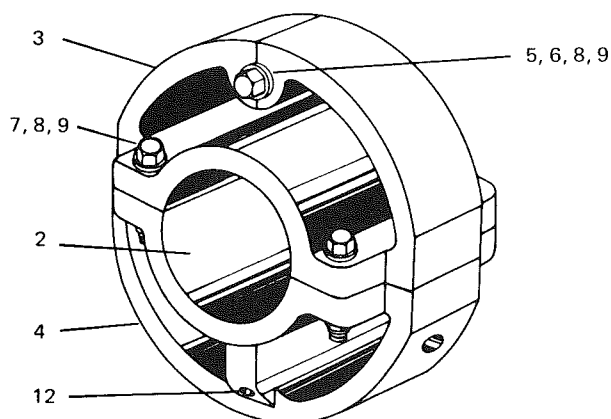


FIG. 2 — CENTER MAIN BEARING

Item No.	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	**
4	Casting, Lower Half	**
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)	021-14780
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/No. 5 Orifice	064-29216

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

** Not available separately.

Item No.	Description	Part No.
	Seal Spacer Complete (Includes Items 1-9)	364-43437
1	Spacer, Seal	064-28859
2	Cap, Oil Relief Valve	065-06394
3	Gasket	065-21657
4	Spring, Helical	029-06143
5	Plunger	065-01331
6	Pin, Insert (2 Req'd)	029-04750
7	Plug Pipe 1/4"	023-01972
8	Conn., Flare	023-09675
9	Plug, Pipe 3/8"	023-01983

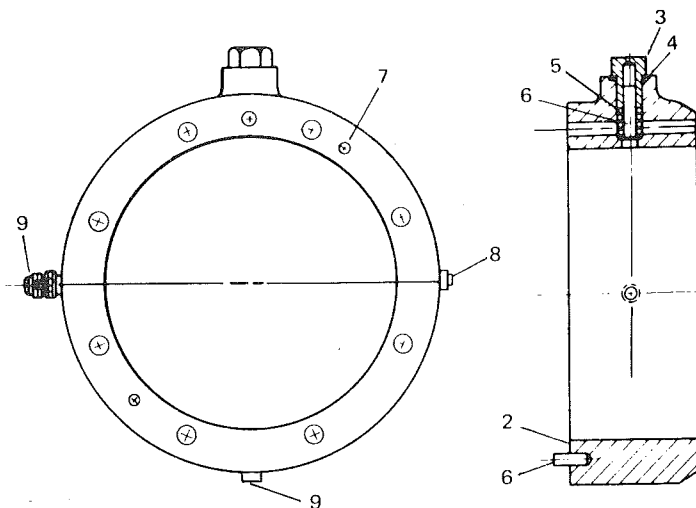
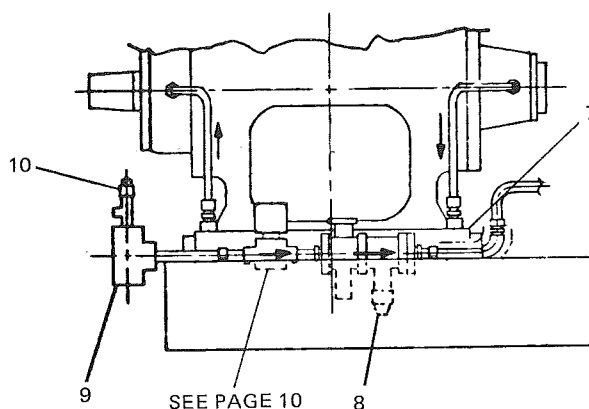


FIG. 3 — SEAL SPACER ASSEMBLY

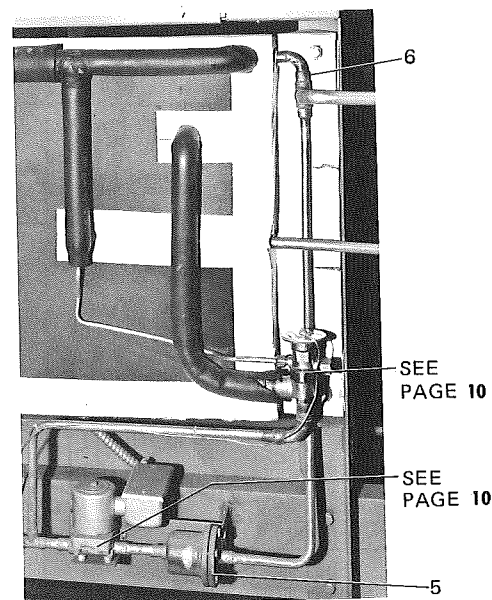
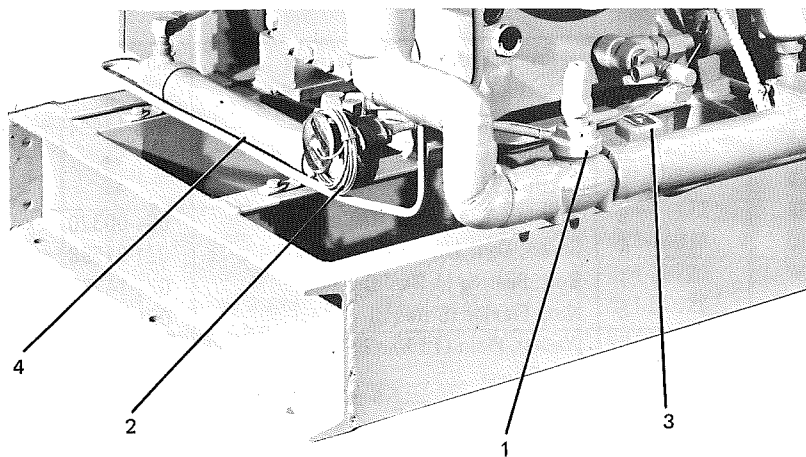
HALOGEN

Item No.	Description	Part No.
1	Valve, Stop	022-02998
2	Valve, Ther. Exp.	025-19982
3	Valve, Stop	022-03683
4	Cooler, Oil	366-43124
5	Strainer	029-08224
6	Heat Exchanger, 6, 8 Cyl.	364-23659
	12, 16 Cyl.	364-26660



AMMONIA

7	Cooler, Oil	366-43124
8	Valve, Ther. Exp.	025-20914
9	Strainer, Ammonia	366-01043
10	Valve, Stop	022-01582

FIG. 4 — OIL/COOLER/DESUPER HEATER COMPONENTS
3B

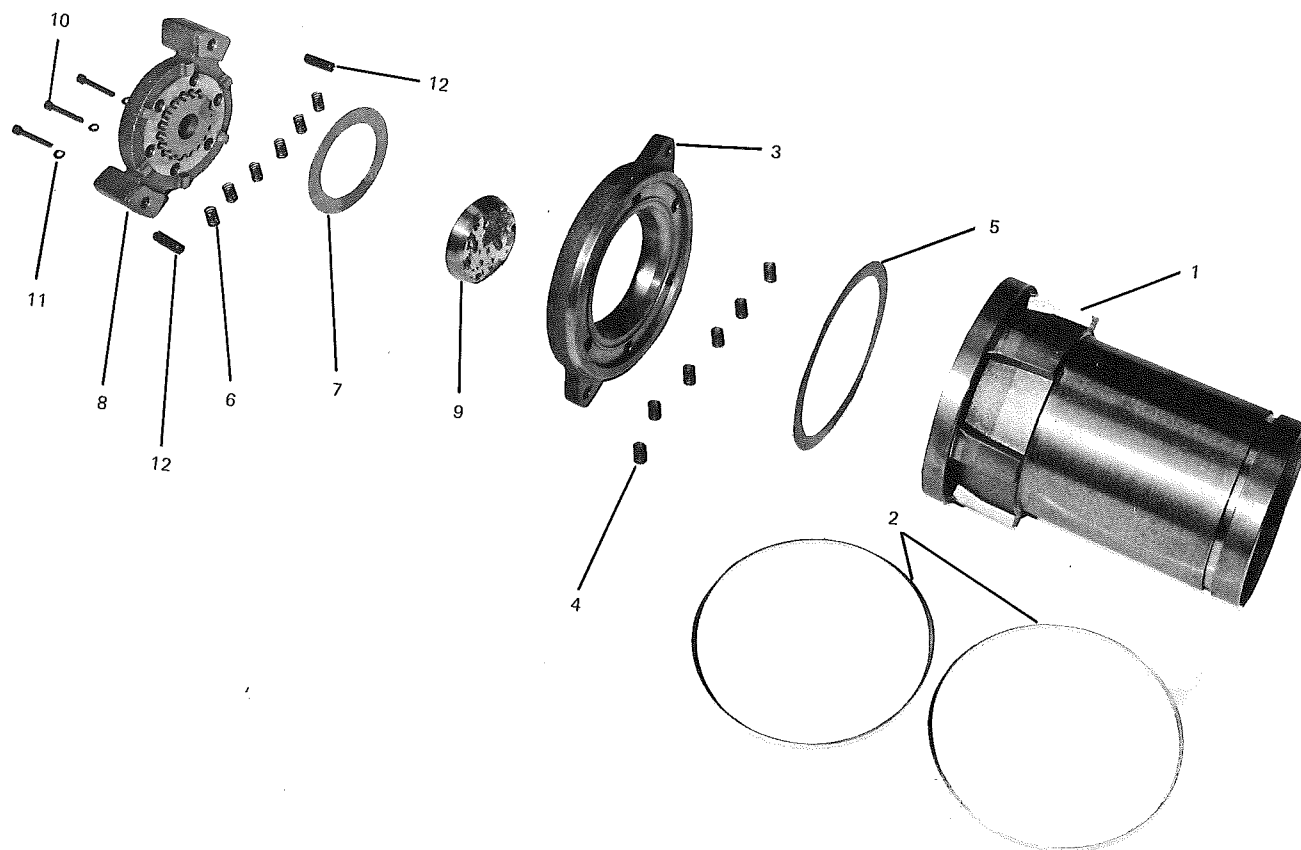
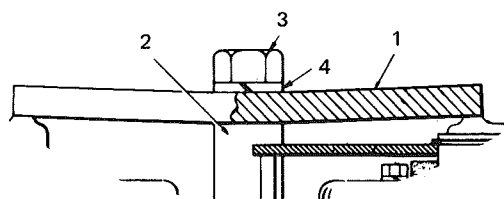


FIG. 5 — NON-UNLOADING TYPE CYLINDER

Item No.	Description	Part No.	Item No.	Description	Part No.
1	Sleeve, Cylinder, Non-Unloading	064-15557	8A	Cage Assembly (Includes items 6,7,8,9,10,11,12)	
2	Gasket (2 Req'd)	064-14346		R-12, R-22, R-502 (Low Stage)	364-41302
3	Plate R-12, R-22, R-502 R-717	064-34098		R-12, R-22, R-502 (High Stage)	364-41303
		064-34096		R-717 (Low & High Stage)	364-41302
4	Spring (6 Req'd)	029-13813	9	Seat, Valve	064-13846
5	Valve	064-14341	10	Screws (3 Req'd)	021-13819
6	Spring (6 Req'd)	029-13248	11	Lockwasher (3 Req'd)	021-05287
7	Valve	064-12164	12	Pin, Insert	029-08661
8	Cage				
	R-12, R-22, R-502 (Low Stage)	064-34100			
	R-12, R-22, R-502 (High Stage)	064-34102			
	R-717 (Low & High Stage)	064-34100			

Item No.	Description	Part No.
1	Plate, Hold Down	064-13859
2	Spacer	064-15571
3	Screw, Cap, Hex Hd.	021-01598
4	Lockwasher, Spring, 1/2" Heavy	021-05293



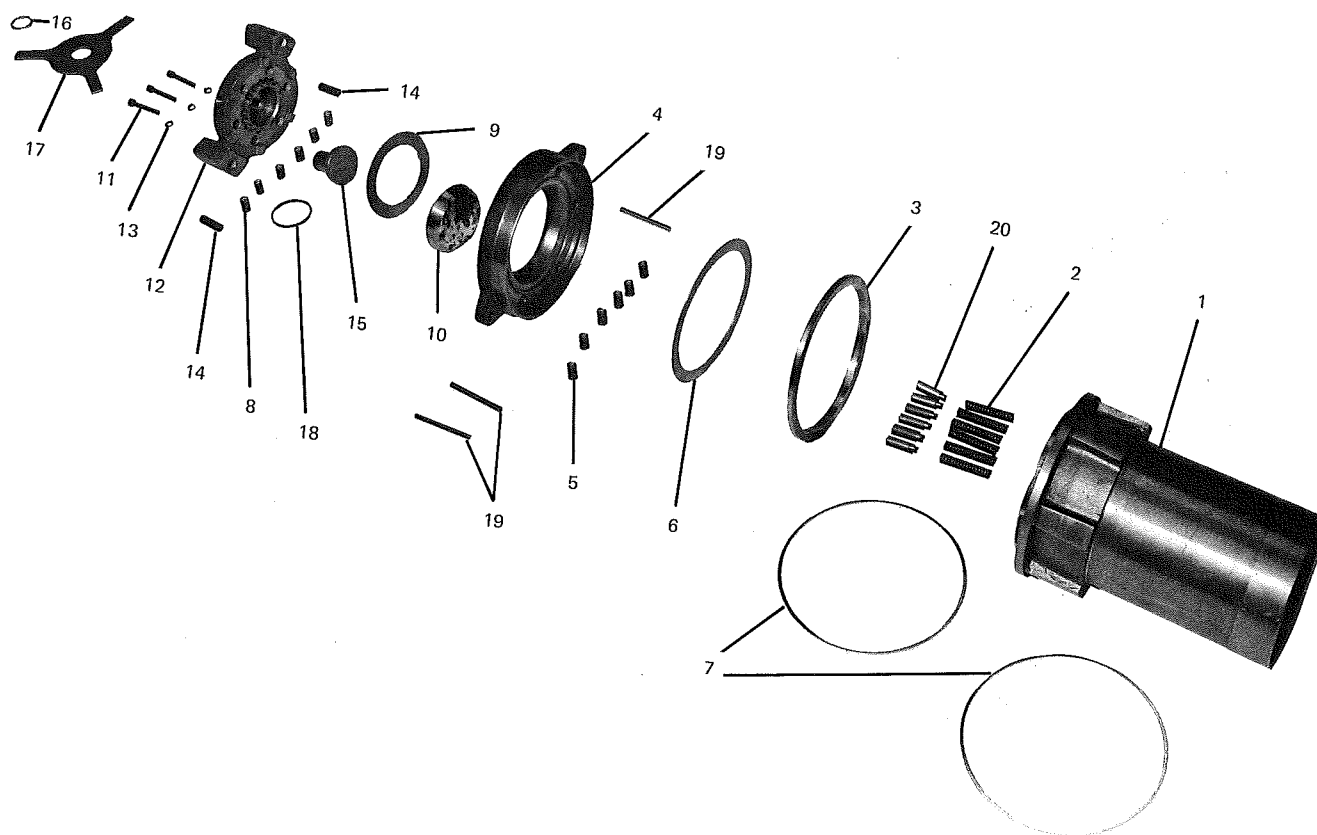


FIG. 6 — UNLOADING TYPE CYLINDER

Item No.	Description	Part No.	Item No.	Description	Part No.
1	Sleeve, Cylinder (Unloading)	064-15556	12A	Valve Cage Assembly (Includes items 8,9,10,11,12,13,14,15,16,17,18)	
2	Spring (6 Req'd)	029-12741		R-12, R-22, R-502 (Low Stage)	364-34105
3	Ring Unloader	064-14339		R-12, R-22 (High Stage)	364-34106
4	Plate R-12, R-22, R-502 R-717	064-34097 064-34095		R-717 (Low & High Stage)	364-34105
5	Spring (6 Req'd)	029-13813	13	Lockwasher (3 Req'd)	021-05287
6	Valve	064-14341	14	Pin, Insert	029-08661
7	Gasket (2 Req'd)	064-14346	15	Piston	064-21812
8	Spring (6 Req'd)	029-13248	16	Ring	029-12713
9	Valve	064-12164	17	Plate	064-17015
10	Seat, Valve	064-13846	18	Seal	026-15799
11	Screw (3 Req'd)	021-13819	19	Pin, Lifting	064-17025
12	Cage, Valve R-12, R-22, R-502 (Low Stage) R-12, R-22 (High Stage) R-717 (Low & High Stage)	064-34099 064-34101 064-34099	20	Spud (6 Req'd)	064-25984

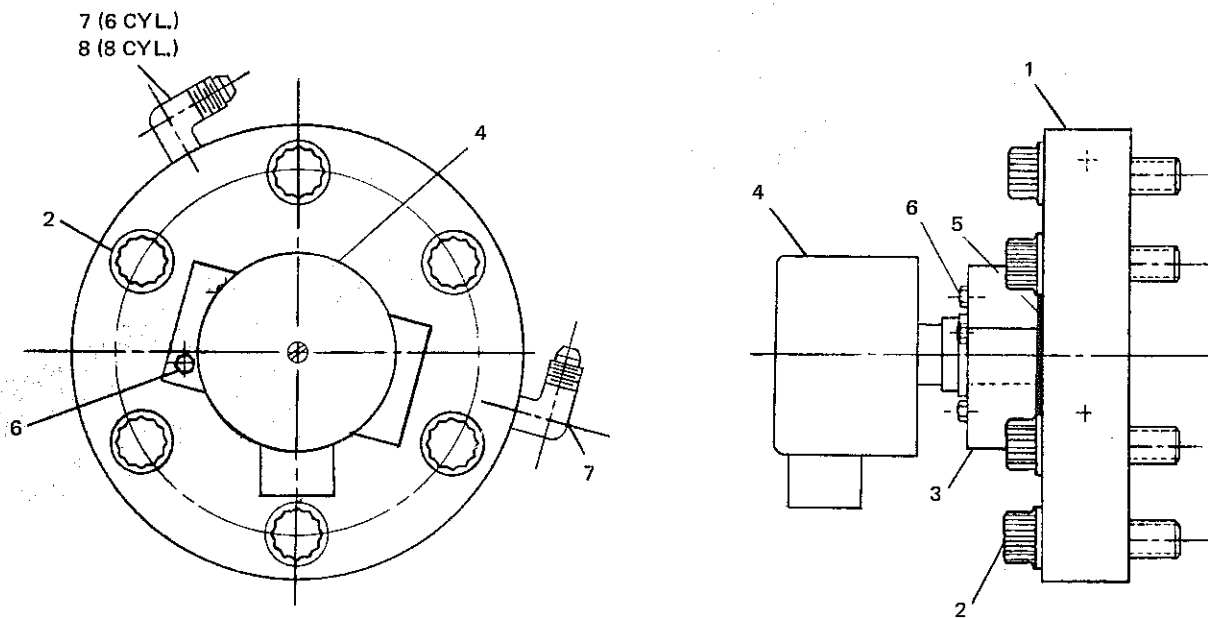
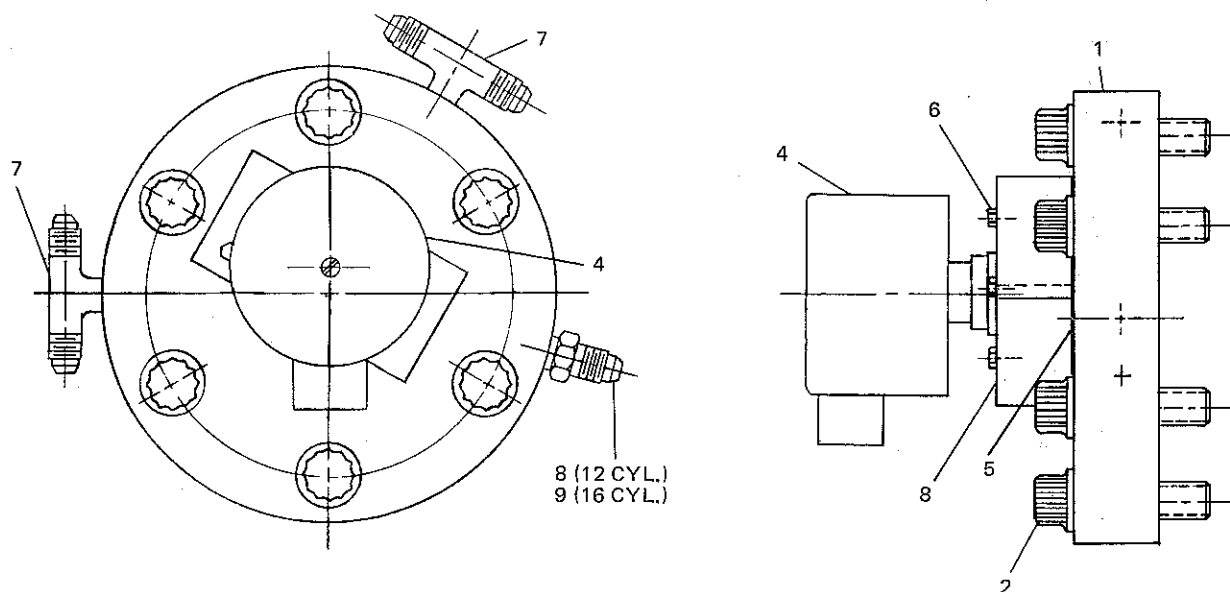


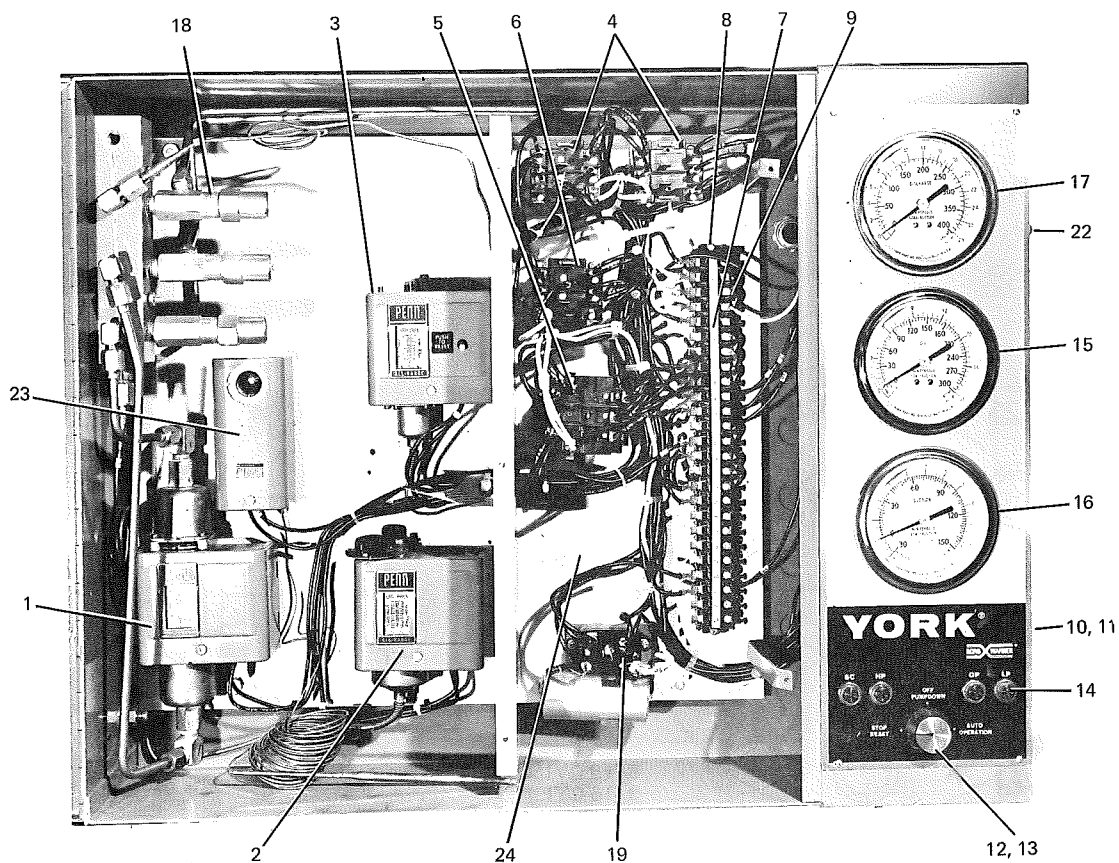
FIG. 7 — SOLENOID CAPACITY CONTROL
6 & 8 CYLINDER

Item No.	Description	Part No.
1	Plate, Valve	064-33859
2	Screw, 12 pt (3/8" x 1-3/8") (6 Req'd)	021-11986
3	Valve, Solenoid	025-17295-001
4	Coil, Solenoid NEMA 1 120 Volt 208/230 Volt	025-16572-005 025-16572-001
5	Gasket, Valve	064-33854
6	Screw (1/4" x 1") (4 Req'd)	021-11914
7	Elbow (90°) 6 Cyl. — 2 Req'd 8 Cyl. — 1 Req'd	023-09678 023-09678
8	Tee (8 Cyl Only)	023-09684



**FIG. 8 — SOLENOID CAPACITY CONTROL
12 & 16 CYLINDER**

Item No.	Description	Part No.
1	Plate, Valve	064-41486
2	Screw, 12 pt (3/8" x 1-3/8") (6 Req'd)	021-11986
3	Valve, Solenoid	025-17295-001
4	Coil, Solenoid NEMA 1 120 Volts 208/230 Volt	025-16572-005 025-16572-001
5	Gasket, Valve	064-33854
6	Screw (1/4" x 1") (4 Req'd)	021-11914
7	Tee (2 Req'd)	023-09684
8	Conn. (12 Cyl. Only)	028-09669
9	Elbow (16 Cyl. Only)	028-09678



Item	Part Description	4, 6 & 8 Cylinder	12 & 16 Cylinder
1	Control, Oil Pressure — Halocarbon Ammonia	025-09718	025-09718
2	Control, Low Pressure — Halocarbon Ammonia	025-12044	025-12044
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
4	Relay, Control (2 Req'd.) 3R & 4R	024-14519	024-14519
5	Relay, Control (1R)	024-17027	024-17027
6	Relay, Control (2R)	024-17075	024-17075
7	Block, Terminal (24 Req'd.)	025-15865	025-15865
8	Block, Terminal End	025-13981	025-13981
9	Jumper, Terminal Block (5 Req'd.)	025-13984	025-13984
10	Fuseholder	025-13991	025-13991
11	Fuse	025-14019	025-14019
12	Switch, Man. 2 Pole — 3 Position	024-06919	024-06919
13	Knob	362-68410	362-68410
14	Light Indicator (4 Req'd.)	025-13551	025-13551
15	Gauge, Oil — Halocarbon Ammonia	026-18762 026-18763	026-18762 026-18763
16	Gauge, Suction — Halocarbon Ammonia	026-14295 026-14365	026-14295 026-14365
17	Gauge, Discharge — Halocarbon Ammonia	026-14294 026-14363	026-14294 026-14363
18	Valve, Stop Angle (3 Req'd.)	022-01581	022-01581
19	Relay, Time Delay (2TR)	024-16255	024-16255
20*	Lock	029-07382	029-07382
21*	Key	029-10876	029-10876
22	Indicator, Time Elapsed	025-20732	025-20732
23	Control, High Disch. Temp. (1 Req'd. 4, 6, 8 Cyl.) (2 Req'd. 12 & 16 Cyl.)	025-20595	025-20595
24*	Relay, Time Delay (1TR)	024-13711	024-13711

FIG. 9 — CONTROL PANEL

*NOT SHOWN

MOTOR PULLEYS			
No. of Grooves	O.D.	Part No.*	Bushing Size
4	9.25	028-07820	E
4	10.3	028-07821	E
4	11.8	028-07822	E
4	12.5	028-08722	E
4	14.0	028-07824	E
4	15.0	028-07825	E
4	17.0	028-07826	E

*Does not include bushing

V BELTS		
Length	Quantity Per Set	Part No. Per Set
106"	4	028-07955
112"	4	028-07956
118"	4	028-08718

FLYWHEEL (BELT DRIVE)	
O.D.	Part No.
14.0	028-07782
20.9	028-08715

BUSHING MOTOR PULLEY		
Motor Bore	Keyway	Type E
Rough		028-08164
1 7/8"	1/2"	028-07787
2 1/8"	1/2"	028-07788
2 3/8"	5/8"	028-07789
2 7/8"	3/4"	028-07790
3 3/8"	7/8"	028-09349

COUPLING DRIVE	
Motor Shaft Size	Part No
1 7/8"	029-11641003
2 1/8"	029-11641005
2 3/8"	029-11641006
Rough Bore 1 1/2 Min - 2 5/8" Max	029-11641007

FIG.10 — DRIVE COMPONENTS

LIQUID LINE SOLENOID VALVE

Model	Refrigerant	Nema Class	Part No.
YC63, YC83, YC123, YC163	R-12, R-22, R-502	1	025-13824
YC63, YC83, YC123, YC163	R-12, R-22, R-502	3, 4, 7, & 9	025-12725
YC63, YC83	R-717	1	025-16145
YC63, YC83	R-717	3, 4, 7, & 9	025-11231
YC123, YC163	R-717	1	025-14544
YC123, YC163	R-717	3, 4, 7, & 9	025-14545

VALVE—EXPANSION (LESS BODY & SCREWS)*

Design Evap. Temp. Range	Refrig.	Speed Range					
		1100 - 1300 RPM		1300 - 1600 RPM		1600 - 1800 RPM	
		6 & 12 Cyl.	8 & 16 Cyl.	6 & 12 Cyl.	8 & 16 Cyl.	6 & 12 Cyl.	8 & 16 Cyl.
0 to - 25°	R-12	025-13818	025-13818	025-13818	025-18244	025-18244	025-18244
-25 to - 45°	R-12	025-13797	025-13797	025-18245	025-18245	025-18245	025-13818
-45 to - 70°	R-12	025-13797	025-13797	025-13797	025-13797	025-13797	025-13797
0 to - 40°	R-22	025-13801	025-13819	025-13819	025-13820	025-13819	025-13820
-40 to - 65°	R-22	025-13798	025-13801	025-13801	025-13801	025-13801	025-13801
-65 to -100°	R-22	025-13798	025-13798	025-13798	025-13798	025-13798	025-13798
0 to - 40°	R-502	025-13246	025-13246	025-13800	025-13800	025-13800	025-13800
-40 to - 65°	R-502	025-13799	025-13802	025-13802	025-13802	025-13802	025-13802
-65 to -100°	R-502	025-18247	025-18247	025-18247	025-13799	025-13799	025-13799

*NOTE: 1-valve required on 6 & 8-cyl. comps.: 2-Required on 12 & 16 Cyl. compressors.

REPLACEMENT COMPRESSORS (BARE*)

No. Of Cylinders	Non-Unloading		50% Unloading	
	Halogen	Ammonia	Halogen	Ammonia
6	364-41517006	364-41517007	364-41517008	364-41517009
8	364-41537006	364-41537007	364-41537008	364-41537009
12	364-39213006	364-39213007	364-39213008	364-39213009
16	364-41643006	364-41643007	364-41643008	364-41643009

*Less manifolds, suction elbow, and external interstage piping.

MISC. PARTS

Oil Filter — 026-22688
High Oil Temperature Cutout — 025-15381-006
Valve, Relief (Internal)
High Side 022-03871 (375 PSI)
Low Side 022-05231 (125 PSI)
(1 Each Req'd 6 & 8 Cyl.)
(2 Each Req'd 12 & 16 Cyl.)
Crankcase Oil Heater
120 Volt — 025-13606
240 Volt — 025-15083

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