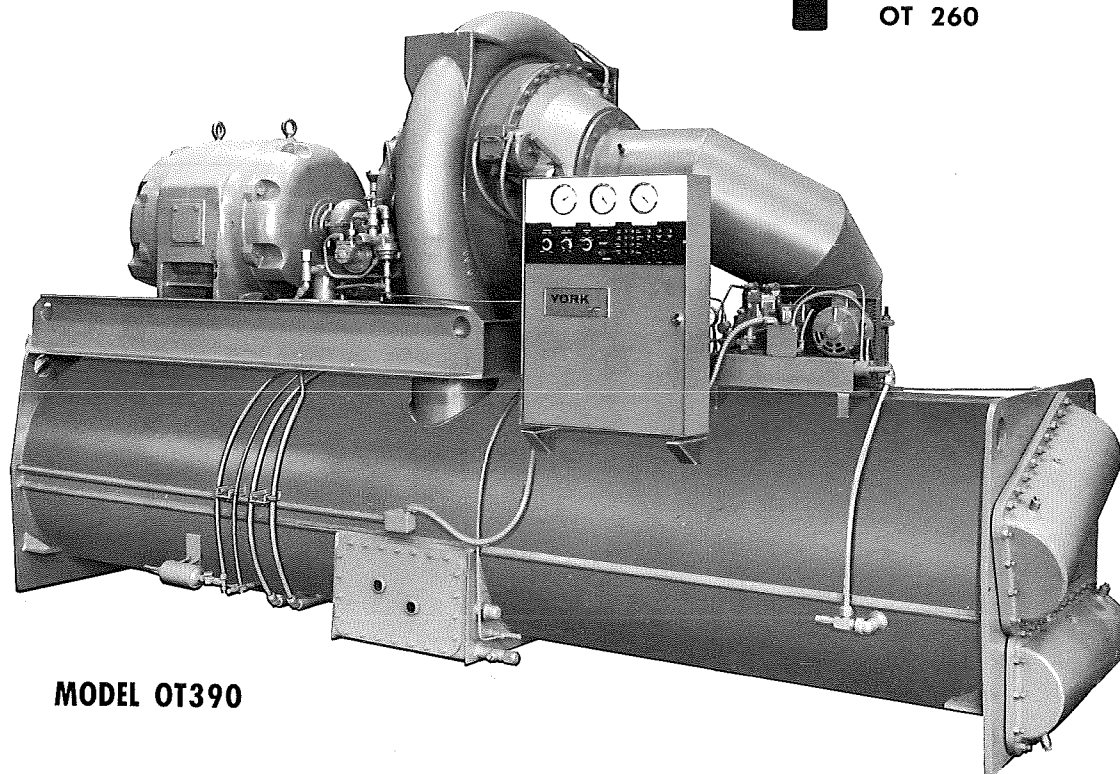


MODEL OT OPEN TURBOPAK

LIQUID CHILLING SYSTEMS, Refrigerant 11
90 THRU 600 TONS

MODELS

OT 90	OT 290
OT 100	OT 320
OT 110	OT 350
OT 120	OT 390
OT 130	OT 430
OT 150	OT 470
OT 170	OT 510
OT 200	OT 560
OT 230	OT 600
OT 260	



MODEL OT390

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OT TURBOPAK SYSTEM PARTS

MODELS OT90 THRU OT350

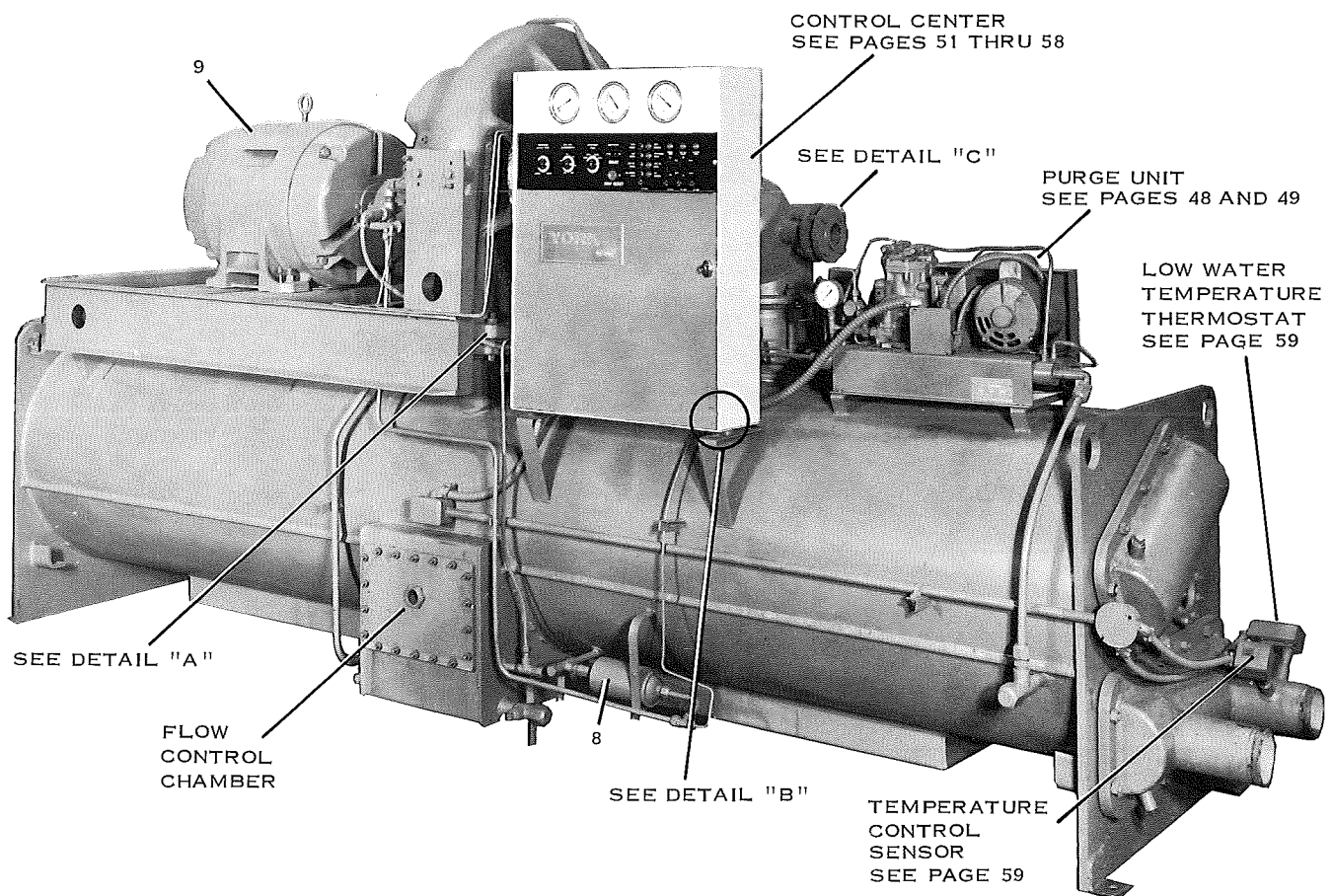
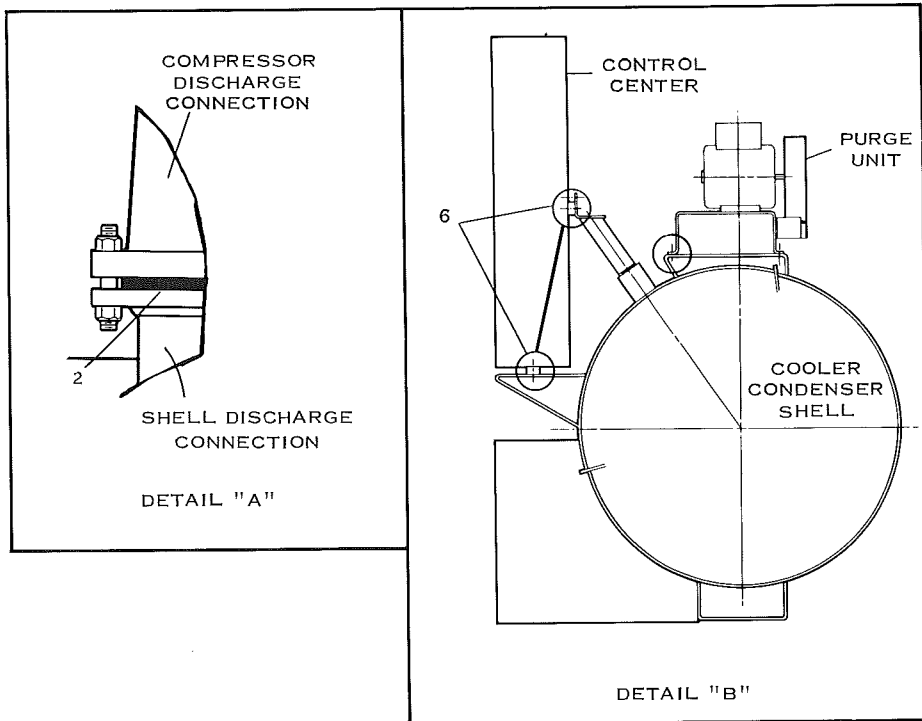


FIG.1— Model OT120 Turbopak - Front View

MODELS HT90 THRU HT350

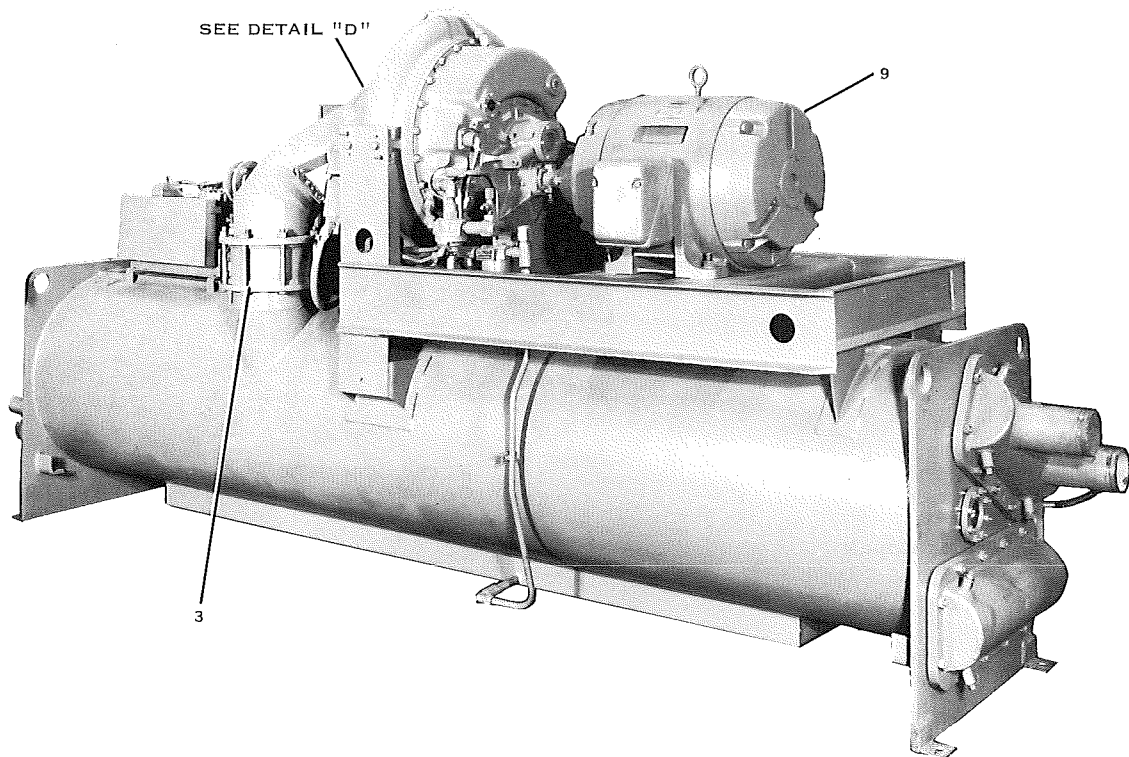
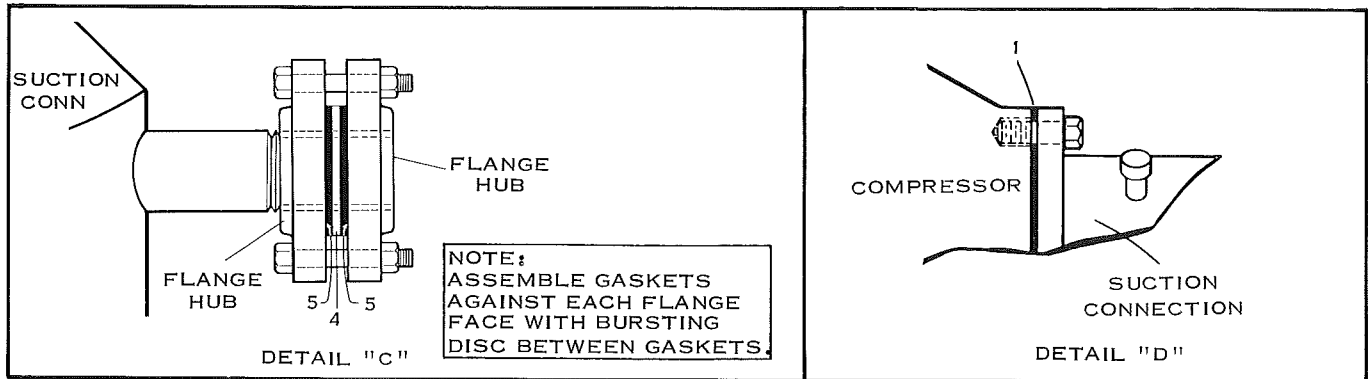


FIG. 2—Model OT120 Turbopak - Rear View

ITEM	PART DESCRIPTION	OT90 THRU OT130		OT150 THRU OT230		OT260 THRU OT350	
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.
1	GASKET, SUCTION CONNECTION	070-12343	1	070-10632	1	070-12252	1
2	GASKET, DISCHARGE	070-10630	1	070-12208	1	070-10630	1
3	COUPLING, DRESSER	023-07862	1	023-07146	1	023-07145	1
4	BURSTING DISC	026-09353	1	026-09353	1	026-09353	1
5	GASKET, BURSTING DISC	070-15845	1	070-15845	1	070-15845	1
6	ISOLATOR, CONTROL PANEL	028-02162	1	028-02162	1	028-02162	1
7	MOISTURE INDICATOR	—	—	—	—	—	—
8	DEHYDRATOR	026-13477	1	026-13477	1	026-13477	1
9	MOTOR	SEE DATA NAMEPLATE	1	SEE DATA NAMEPLATE	1	SEE DATA NAMEPLATE	1

MODELS OT390 THRU OT600

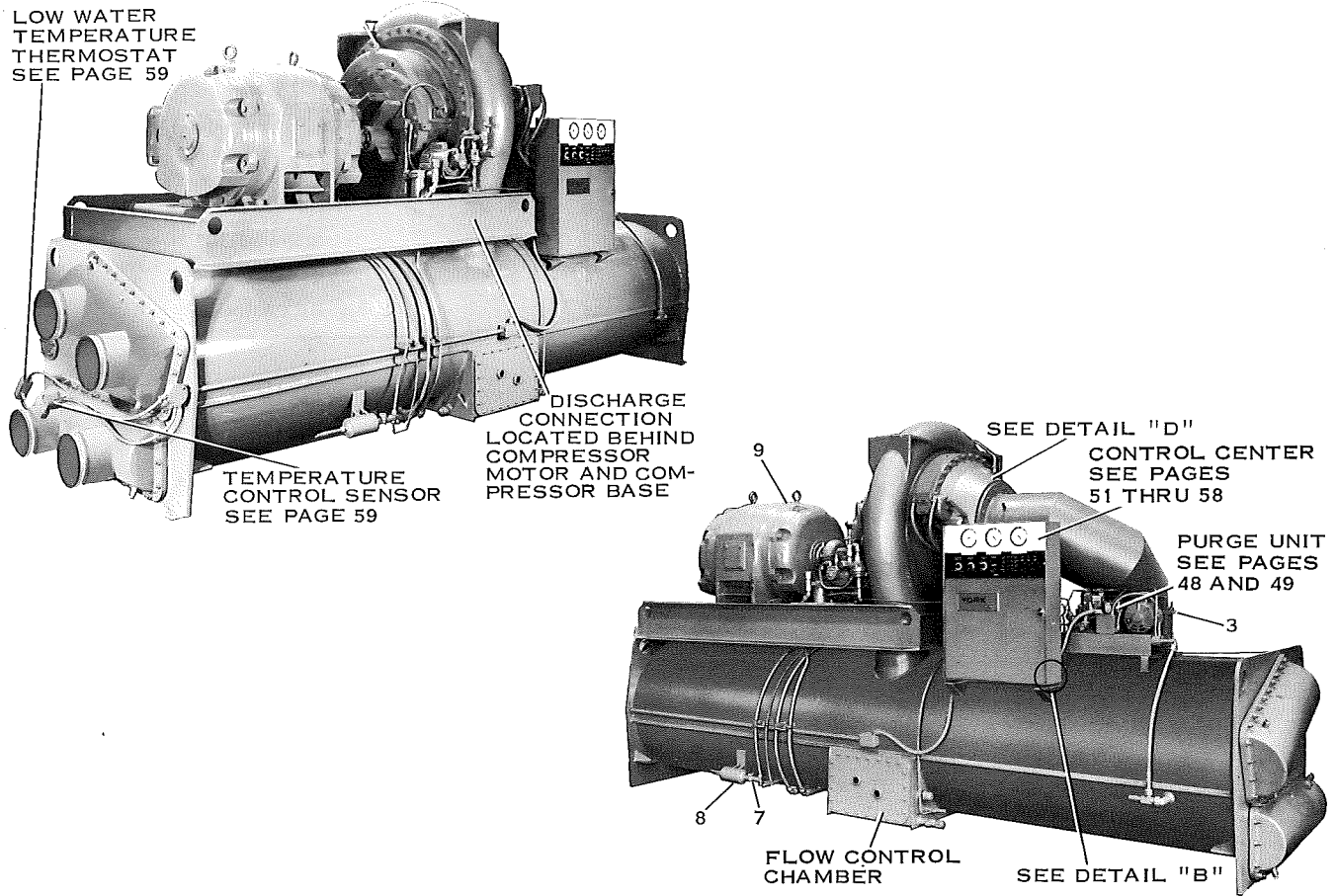


FIG. 3— Model OT390 Turbopak

SEE FIGS. 1 AND 2 AND DETAILS A, B, D – PAGE 2 AND 3

ITEM	PART DESCRIPTION	OT390 THRU OT510		OT560, OT600	
		PART NO.	QUAN.	PART NO.	QUAN.
1	GASKET, SUCTION CONNECTION	028-08015	1	028-08015	1
2	GASKET, DISCHARGE	070-10633	1	070-10633	1
3	COUPLING, DRESSER	023-08692	1	023-08435	1
4	BURSTING DISC	367-25263	1	367-25263	1
5	GASKET, BURSTING DISC	—	—	—	—
6	ISOLATOR, CONTROL PANEL	028-02162	1	028-02162	1
7	MOISTURE INDICATOR	026-10686	1	026-10686	1
8	DEHYDRATOR	026-13477	1	026-13477	1
9	MOTOR	SEE DATA NAMEPLATE	1	SEE DATA NAMEPLATE	1

SPRING ISOLATORS

MODEL OT	PART NO.	FIG.
90, 100, 110, 120, 130	029-11412	5
150, 170, 200, 230	029-11413	5
260, 290	029-11414	5
320, 350	029-11415	5
390, 430, 470, 510	029-13006	6
560, 600	029-11579	6

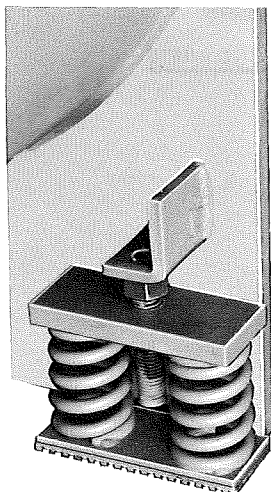


FIG. 4— Spring Isolators - Models OT90 thru OT350

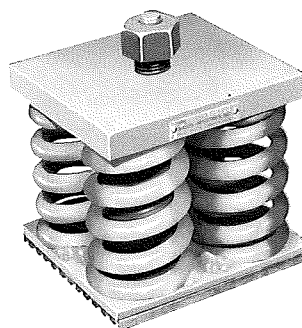
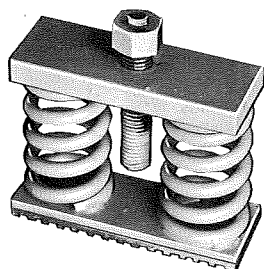
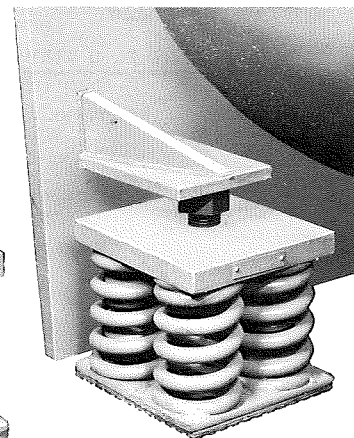


FIG. 5— Spring Isolators - Models OT390 thru OT600



COMPOUNDS

DESCRIPTION	QUAN.	PART NO.
COMPOUND, HEAT CONDUCTIVE (FOR THERMOMETER WELLS)	4 OZ. CAN	013-00898

TOUCH-UP PAINTS—SPRAY CANS

DESCRIPTION	PART NO.
CARRIBEAN BLUE ENAMEL	013-01835
FAWN GRAY ENAMEL (CONTROL CENTER)	013-01836

COMPRESSORS

OPEN TYPE

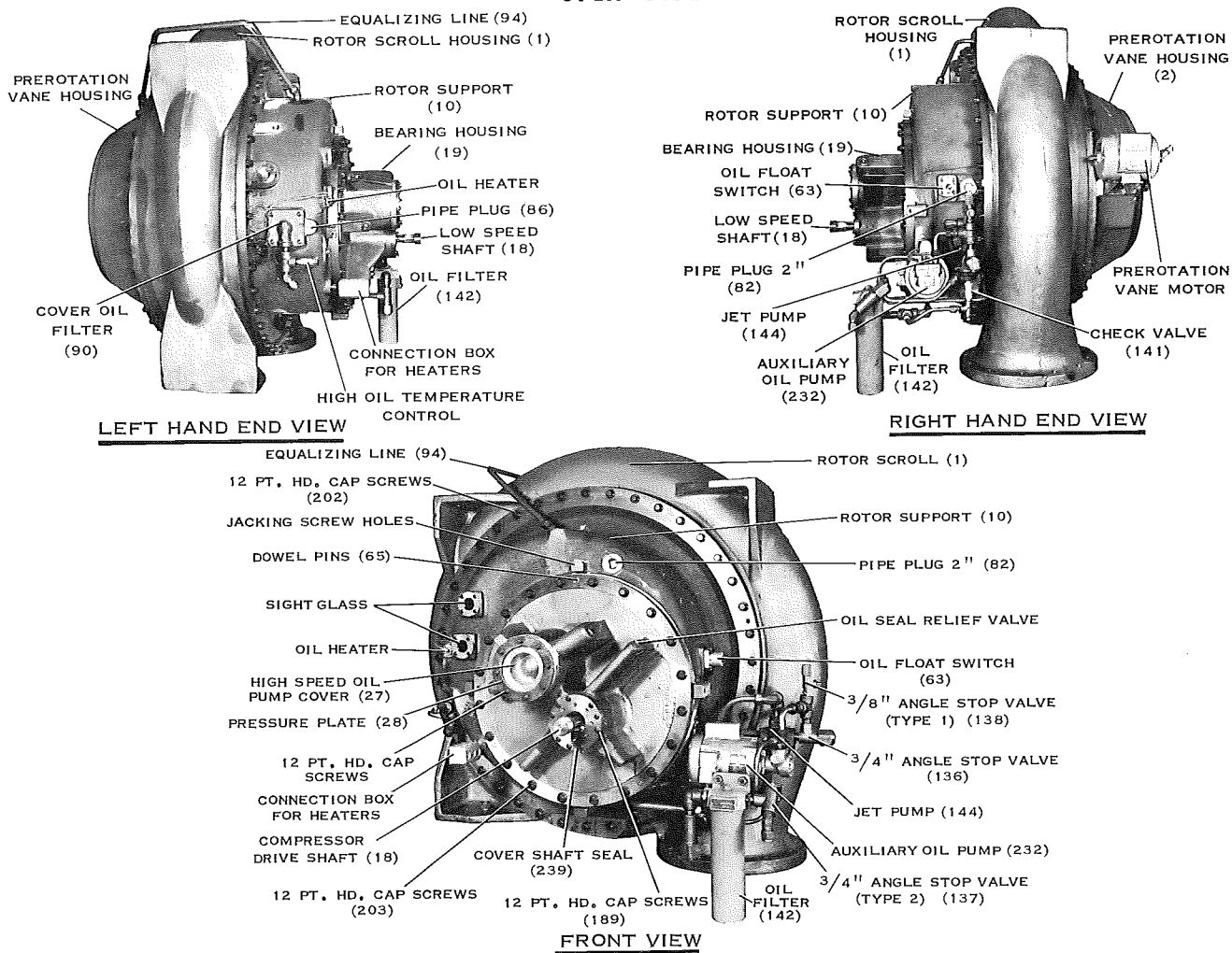


FIG. 6— Front, Right and Left Hand Views of Model LTD108 Compressor

REFER TO COMPLETE PARTS LIST PAGES 7 THRU 13 FOR REPLACEMENT COMPRESSOR PARTS. THE VARIOUS UNITS ARE LISTED WITH THEIR RESPECTIVE COMPRESSOR. TO LOCATE PARTS USE THE PARTS LIST, VARIABLE PARTS TABLE AND FIG'S. LISTED ON THE CHART BELOW.

UNIT	MODEL	COMPRESSOR PART NO'S.		VARIABLE PARTS		SEE FIG'S.
		60 CYCLE	50 CYCLE	TABLE	PAGE	
OT90	LTD53	364-29164-001	364-29164-005	1	16	SEE FIGS. 7 THRU 16 PAGES 14 THRU 19
OT100	LTD53	364-29164-001	364-29164-005			
OT110	LTD53	364-29164-001	364-29164-005			
OT120	LTD59	364-29164-003	364-29164-007			
OT130	LTD59	364-29164-003	364-29164-007			
OT150	LTD67	364-25340	364-25340	2	22	SEE FIGS. 17 THRU 26 PAGES 20 THRU 25
OT170	LTD67	364-25340	364-25340			
OT200	LTD76	364-25342	364-25342			
OT230	LTD76	364-25342	364-25342			
OT260	LTD85	364-25350	364-25350	3	28	SEE FIGS. 27 THRU 36 PAGES 26 THRU 31
OT290	LTD95	364-25352	364-26725			
OT290C	LTD85	364-25350	364-25350			
OT320	LTD95	364-25352	364-26725			
OT350	LTD95	364-25352	364-26725			
OT390	LTD108	364-29004-002	364-29004-002	4	34	SEE FIGS. 37 THRU 44 PAGES 32 THRU 37
OT430	LTD108	364-29004-002	364-29005-002			
OT470	LTD108	364-29004-002	364-29005-002			
OT470C	LTD120	364-29004-003	364-29004-003			
OT510	LTD120	364-29004-003	364-29004-003			
OT560	LTD120	364-29004-003	364-29004-003			
OT600	LTD120	364-29004-003	364-29004-003			

OPEN COMPRESSOR PARTS LIST

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
1	ROTOR, SCROLL HOUSING	064-21048	1	064-11633	1	064-12167	1	SEE TABLE 4	1
2	PREROTATION VANE ASSEMBLY	SEE TABLE 1	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
3	NOZZLE PLATE BASE	SEE TABLE 1	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
4	RETAINER NOZZLE BASE PLATE	—	—	—	—	—	—	SEE TABLE 4	1
5	GASKET RETAINER TO NOZZLE BASE PLATE	—	—	—	—	—	—	SEE TABLE 4	1
6	IMPELLER SEAL RING	SEE TABLE 1	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
7	FLAT SPRING WASHER	064-13817	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
8	RETAINING RING, IMPELLER SEAL-INTERNAL	029-08311	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
9	DEFUSER PLATE	SEE TABLE 1	1	SEE TABLE 2	1	SEE TABLE 2	1	—	—
10	ROTOR SUPPORT	064-19267	1	064-19266	1	064-19265	1	SEE TABLE 4	1
11	MAIN SHAFT BEARING	† 064-08241	1	■ 064-11642	1	● 064-21465	1	064-22793	1
12	ROLL PIN, 1/8 DIA. X 9/16 LG.	† 029-03990	1	■ 029-03990	1	● 029-03990	1	★ 064-22678	1
13	PINION GEAR BEARING	† 064-12285	1	■ 064-11643	1	● 064-11643	1	★ 029-03990	1
14	RETAINING RING INTERNAL	029-07213	1	029-08496	1	029-08496	1	★ 064-22663	1
15	BEARING GEAR FRONT	† 064-13837	1	■ 064-13845	1	● 064-13845	1	029-08780	1
16	DRIVE, GEAR	SEE COMPR. NAME PLATE	1	SEE COMPR. NAME PLATE	1	SEE COMPR. NAME PLATE	1	★ 064-22677	1
17	PINION GEAR	SEE COMPR. NAME PLATE	1	SEE COMPR. NAME PLATE	1	SEE COMPR. NAME PLATE	1	SEE COMPR. NAME PLATE	1
18	DRIVE SHAFT	064-15471	1	064-14971	1	064-14971	1	064-20142	1
19	BEARING HOUSING	064-12263	1	064-11641	1	064-15522	1	064-27733	1
20	REAR GEAR BEARING	† 064-12288	1	■ 064-11665	1	● 064-11665	1	★ 064-22675	1
21	INTERNAL RETAINING RING	029-08321	1	029-06722	1	029-06722	1	029-08604	1
22	"O" RING	† 028-04408	—	● 028-04348	1	● 028-04348	1	028-05184	2
23	SHAFT SEAL COLLAR	† 064-12318-005	1	■ 064-12318-007	1	● 064-12318-007	1	★ 064-16649-011	1
24	THRUST BEARING	† 064-12284	1	■ 064-11644	1	● 064-11644	1	★ 064-22662	1
25	THRUST COLLAR - HIGH SPEED OIL PUMP	† 064-09587	1	■ 064-11654	1	SEE TABLE 3	1	★ 064-22713	1
26	"O" RING	† 028-04409	1	■ 028-04352	1	● 028-04352	1	★ 028-04517	1
27	OIL PUMP COVER - HIGH SPEED	064-12317	1	064-11660	1	064-11660	1	064-22707	1
28	PRESSURE PLATE - OIL PUMP H. S.	064-12548	1	064-11819	1	064-11819	1	064-22984	1
29	INSERT PIN - 3/16 DIA. X 1/2 LG.	029-04138	3	029-04138	2	029-04138	2	029-04138	2
30	BEARING HOUSING GASKET	† 064-12414	1	■ 064-11802	1	● 064-15515	1	★ 064-23024	1
31	"O" RING	† 028-04989	1	■ 028-05401	1	● 028-05401	1	—	—
32	"O" RING - DRIVE SHAFT	SEE TABLE 1	1	—	—	—	—	★ 028-04478	1
33	VOLUTE RING, LOW SPEED PUMP	—	—	—	—	● 064-21467	1	★ 064-13695	1
34	INSERT PIN	—	—	—	—	029-07014	1	029-06863	1
35	OIL PUMP, LOW SPEED	064-13828	1	064-13841	1	064-15509	1	064-13911	1

† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624

■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626

● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628

★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

† PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24257

● PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24258

■ PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24258

★ PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-29632

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
36	OIL PUMP HOUSING	064-13838	1	064-13842	1			064-15256	1
37	THRUST PLATE		-		-	● 064-14989	1		-
38	BACK-UP PLATE		-		-	064-14988	1		-
39	RETAINING RING, INTERNAL		-		-	029-08736	1		-
40	GASKET, 2 3/4 O.D. X 1 1/2 I.D. X 1/16 THK.		-		-	● 064-15521	1		-
41	SUCTION, CONNECTION LOW SPEED PUMP		-		-	064-21476	1		-
42	SUCTION TUBE - LOW SPEED OIL PUMP		-		-	064-15519	1		-
43	"O" RING 1" O.D. X 3/4 I.D. X 1/8 THK.		-		-	● 028-03282	2		-
44	INNER SEAL PLATE GASKET	† 070-12260	1	■ 064-11806	1	● 064-12144	1	★ 064-23013	1
45	SEAL PLATE	064-12259	1	064-11656	1	064-12252	1	064-22964	1
46	OIL SEPARATOR GASKET	† 070-15440	1	■ 064-11803	1	● 064-12145	1	★ 064-23014	1
47	INSERT PIN	SEE ITEM 29	1	029-06855	1	029-06875	1	029-06855	1
48	ROTOR SUPPORT TO OIL SEPARATOR GASKET		-		-		-	★ 064-23012	1
49	OIL SEPARATOR PLATE	064-21066	1	064-20436	1	064-21431	1	SEE TABLE 4	1
50	RING SEAL (IMPELLER)	† 064-21073	1	■ 064-20435	1	● 064-21430	1	SEE TABLE 4	1
51	FLAT SPRING WASHER	064-12887	1	064-12887	1	064-21429	1	SEE TABLE 4	1
52	RETAINING RING INTERNAL	029-05601	1	029-05601	1	029-08600	1	SEE TABLE 4	1
53	MAIN SHAFT (HIGH SPEED)	064-12512	1	064-11655	1	SEE TABLE 3	1	064-22729	1
54	IMPELLER	SEE TABLE 1	1	SEE TABLE 2	1	SEE TABLE 3	1	SEE TABLE 4	1
55	IMPELLER CLAMPING COLLAR	064-09228	1	064-11659	1	064-21477	1	064-23093	1
56	SPECIAL WASHER	064-16500	1	064-16500	1	064-21478	1		-
57	CAP SCREW, 12 PT. HD. - 5/8 - 18 UNF X 2 3/4 LG.	021-12347	-		-		-		-
	CAP SCREW, 12 PT. HD. - 5/8 - 18 UNF X 3 3/4 LG.		-	021-12151	1		-		-
	CAP SCREW, 12 PT. HD. - 3/4 - 16 UNF X 4 3/4 LG.		-		-	021-12174	-		-
	CAP SCREW, 12 PT. HD. - 1/2 - 20 UNF-3A X 6 LG.		-		-		-	021-11998	4
58	BASE PLATE NOZZLE GASKET	† 064-20802	1	■ 064-20660	1	● 064-21463	1	SEE TABLE 4	1
59	PRV GASKET TO SCROLL		-		-		-	★ 064-23008	1
60	ROTOR SUPPORT GASKET TO SCROLL		-		-		-	★ 064-23015	1
61	SIGHT GLASS	026-13123	1	026-13123	1	026-13123	1	026-13123	2
62	"O" RING - 2" O.D. X 1.799 I.D. X .103 SECT.	† 028-07407	1	■ 028-07407	2	● 028-07407	2	★ 028-07407	1
63	OIL FLOAT SWITCH	SEE TABLE 9	1	SEE TABLE 9	1	SEE TABLE 9	1	SEE TABLE 9	1
64	TUBE		-	064-29594	1		-		-
65	DOWEL PIN 1/2" DIA. X 2" LG.	029-10646	3	029-10646	3	029-10646	3	029-10646	3
66	TUBE		-	064-29594	1		-		-
70	"O" RING - 4 1/4" O.D. X 4 I.D. X 1/8 SECT.		-		-	028-04349	1		-
71	TUBING 1/4" O.D. X .035 WALL	003-00235	2 FT.		-		-		-
72	ELL, 45°, 3/4 TUBE X 3/4 MPT	023-07264	3	023-07264	2	023-07264	2	025-07264	3
73	OIL ELIMINATOR (FRAME TYPE)	364-13699	1	364-13441	1	364-18474	1	364-23041	1
74	OIL ELIMINATOR (CAN TYPE)	364-13347	1	364-13347	2	364-13347	2		-
	COUPLING, 1/2 TUBE X 1/2 FPT	023-07559	1		-		-		-
	COUPLING, 5/8 TUBE X 1/2 FPT		-	023-07342	2		-		-
75	COUPLING, 3/4 TUBE X 1/2 FPT		-		-	023-07661	2		-

† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624

■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626

● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628

★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
76	SPECIAL, CONNECTION	064-07937	1	064-07317	2	—	—	064-07315	2
77	COUPLING, 5/8 TUBE X 1/2 FPT	023-07342	1	—	—	—	—	—	—
78	PIPE PLUG, HEX. SOCKET HEAD - 1/2	023-01994	4	023-01994	3	023-01994	4	023-01994	3
79	PIPE PLUG, 1/4 - 18 NPT	023-01972	4	023-01972	4	023-01972	3	023-01972	3
80	PIPE PLUG, 1"	—	—	—	—	—	—	023-05909	1
81	PIPE PLUG, 1 1/4"	023-02015	1	023-02015	3	—	—	—	—
82	PIPE PLUG, 2"	023-02027	1	—	—	023-02027	2	023-02027	3
83	PIPE PLUG, 3/8 (SQ. HD.)	023-01983	1	023-01983	1	023-01983	1	023-01983	—
84	PIPE PLUG, 3/4 - 14 NPT, SQ. CSK.	023-04208	4	—	—	—	—	023-04208	4
85	PIPE PLUG, 3/4 - NPT	—	—	023-04053	1	023-04053	1	—	—
86	PIPE PLUG, 1/2 SQ. HEX.	—	—	023-03822	1	—	—	023-03822	2
87	PLUG 1 1/16-12 UNF-2 WITH "O" RING* (028-07848)	023-07063	1	023-07063	1	—	—	023-07063	1
88	FLARELESS PLUG WITH "O" RING* (028-07759)	023-07158	1	023-07158	1	—	—	—	—
89	GASKET	† 064-26781	1	■ 064-26781	1	023-07158	1	—	—
90	OIL FILTER COVER	064-26780	1	064-26780	1	● 064-26781	1	★ 064-26781	1
91	TUBING, 1/2 O. D. X .049 WALL	003-00243	1.5 FT.	003-00243	4.5 FT.	064-26780	1	064-26780	1
92	TUBING, 3/8 O. D. X .049 WALL	003-00240	2 FT.	—	—	003-00243	4 FT.	003-00243	8 FT.
93	TUBING, 5/8 O. D. X .049 WALL	003-00810	9 FT.	003-00810	6 FT.	—	—	—	—
94	TUBING, 3/4 O. D. X .049 WALL	003-00952	5 FT.	003-00952	9 FT.	003-00952	6 FT.	003-00952	15 FT.
95	TUBING, 3/8 O. D. X .035 WALL	—	—	003-00969	2 FT.	003-00969	1.5 FT.	—	—
96	CONNECTION - VENT TUBE	064-15981	1	—	—	064-15533	1	—	—
97	EXTENSION TUBE	064-13895	1	064-14316	1	—	—	—	—
98	"O" RING, 1 3/8 O.D. X 1 1/8 I.D. X 1/8 SECT.	† 028-04353	1	■ 028-04353	2	● 028-04353	1	★ 028-04353	1
99	"O" RING, 1 7/8 O.D. X 1 5/8 I.D. X 1/8 SECT.	† 028-04861	1	■ 028-04861	1	—	—	—	—
100	"O" RING, 1" O.D. X 7/8 I.D. X 1/16 SECT.	† 028-06932	1	—	—	—	—	—	—
103	"O" RING, 1 1/4 O.D. X 1 I.D. X 1/8 SECT.	† 028-04522	2	■ 028-04522	2	● 028-04522	1	★ 028-04522	1
104	ADAPTER	064-20636	1	064-20636	1	—	—	—	—
105	GASKET, OIL JET PUMP	† 064-12101	1	■ 064-12101	1	—	—	—	—
106	ELBOW, SCREW 90° - 3/4 FPT	023-04313	1	023-04313	3	023-04313	1	023-04313	2
107	ELBOW, CINCH 90°	023-06817	1	023-06817	1	023-06817	1	023-06817	1
109	ELBOW, SCREW 90° - 3/8 MPT	023-04311	1	—	—	—	—	—	—
110	ELBOW, 90°, 5/8 TUBE X 1/2 MPT	023-06818	6	023-06818	2	023-06818	1	—	—
111	ELBOW, 90°, 1/2 TUBE X 3/8 MPT	023-06816	1	—	—	023-06816	1	—	—
112	ELBOW, 45°, 3/8 TUBE X 1/4 MPT	—	—	—	—	—	—	—	—
113	ELBOW, 45°, 1/2 TUBE X 3/8 MPT	—	—	023-07092	1	—	—	—	—
114	ELBOW, 90°, 3/4 TUBE X 3/4 FPT	—	—	023-07172	2	—	—	—	—
115	ELBOW, 90°, 3/4 TUBE X 3/4 MPT	—	—	023-08383	1	—	—	—	—
		—	—	023-06820	1	023-06820	4	023-06820	3

*PART OF FIELD REPLACEMENT KIT

- † PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624
 ■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626
 ● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628
 ★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
116	ELBOW, SCREW 45°, 3/4 FPT	023-04321	2	—	—	—	—	—	—
117	ELBOW, 40°, 1/4 TUBE X 3/4 MPT	—	—	—	—	—	—	—	—
118	ELBOW, STREET 90°, 3/8	023-06813	1	—	—	—	—	—	—
119	ELBOW, CINC TYPE 90°, 3/4 T X 3/4 T	—	—	—	—	—	—	—	—
120	ELBOW, STREET, 90°, 3/4	—	—	—	—	—	—	—	—
121	CONNECTOR, 3/8 TUBE X 1/4 MPT	—	—	—	—	—	—	—	—
122	CONNECTOR, 3/4 TUBE X 3/4 MPT	023-06807	1	023-06807	1	023-06807	1	023-06807	1
123	CONNECTOR, 3/8 TUBE X 3/8 MPT	023-06802	1	—	—	—	—	—	—
124	CONNECTOR, 1/2 TUBE X 3/8 MPT	—	—	—	—	—	—	—	—
125	CONNECTOR, CINC 1/2 MPT X 1/2 T	—	—	—	—	—	—	—	—
126	CONNECTOR, 5/8 T X 1/2 MPT	—	—	—	—	—	—	—	—
127	CONNECTOR, 1/4 TUBE X 1/8 NPT	023-07151	1	—	—	—	—	—	—
128	TEE, SCREW 3/4 X 3/4 X 1/2	023-04357	1	—	—	—	—	—	—
129	TEE, SCREW 3/8 X 3/8 X 3/4	023-04353	1	—	—	—	—	—	—
130	TEE, SCREW 3/4 X 1/2 X 3/8	023-04832	2	023-04832	1	023-04832	1	023-04832	1
131	TEE, SCREW 3/4	—	—	—	—	—	—	—	—
132	TEE, SCREW 3/4 X 1/2 X 1/2	—	—	—	—	—	—	—	—
133	TEE, SCREW 3/8 X 1/4 X 3/8	—	—	—	—	—	—	—	—
134	CROSS, 3/4 NPTI	—	—	—	—	—	—	—	—
135	VALVE, STOP ANGLE 3/4 TYPE 1	368-00007	1	—	—	—	—	—	—
136	VALVE, STOP ANGLE 3/4 TYPE 2	368-00008	2	368-00008	3	368-00008	2	368-00008	2
137	VALVE, STOP ANGLE 3/8 TYPE 1	368-00003	1	368-00003	1	368-00003	1	368-00003	1
138	VALVE, STOP ANGLE 1/4 FLARE X 1/4 NPT	—	—	—	—	—	—	—	—
139	VALVE, CHECK 3/8 NPT (IN) X 3/8 MPT-(OUT)	022-02417	1	022-02417	1	022-02417	1	022-02417	1
140	VALVE, CHECK 3/8 MPT (IN) X 3/8 MPT-(OUT)	—	—	—	—	—	—	—	—
141	OIL FILTER	026-15749	1	026-15749	1	026-15749	1	026-15749	1
142	OIL FILTER ELEMENT	† 026-14642	1	■ 026-14642	1	● 026-14642	1	★ 026-11225	1
143	JET OIL PUMP	364-13893	1	364-13873	1	364-13873	1	364-13880	1
144	NIPPLE, PIPE - 1/2 SCH. 80 X 1 1/8 LG.	067-39601	2	067-39601	2	067-39601	1	067-39601	2
145	NIPPLE, PIPE - 3/4 SCH. 80 X 1 1/2 LG.	070-16054	3	070-16054	1	—	—	—	—
146	NIPPLE, PIPE - 1/2 SCH. 80 X 2 LG.	070-00806	1	—	—	—	—	—	—
147	NIPPLE, PIPE - 3/4 SCH. 80 X 2 1/2 LG.	067-39603	1	—	—	—	—	—	—
148	NIPPLE, PIPE - 3/4 SCH. 80 X 1 3/8 LG.	070-01541	1	070-01541	4	070-01541	3	070-01540	2
149	NIPPLE, PIPE - 3/4 SCH. 80 X 1 1/2 LG.	—	—	—	—	—	—	—	—
150	NIPPLE, PIPE - 3/4 SCH. 80 X 4 1/2 LG.	—	—	—	—	—	—	—	—
151	NIPPLE, PIPE - 3/4 SCH. 80 X 3 LG.	—	—	—	—	—	—	—	—
152	NIPPLE, PIPE - 3/4 SCH. 80 X 4 LG.	—	—	—	—	—	—	—	—
153	NIPPLE, PIPE - 3/4 SCH. 80 X 9 LG.	—	—	—	—	—	—	—	—
154	NIPPLE, PIPE - 3/8 SCH. 80 X 1" LG.	—	—	—	—	—	—	—	—
155	NIPPLE, PIPE - 3/8 SCH. 80 X 1" LG.	070-00773	1	—	—	—	—	—	—

† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624
 ■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626
 ● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628
 ★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
156	BUSHING, PIPE, 3/8 MPT X 1/4 NPT	023-05810	1	—	—	—	—	—	—
157	BUSHING, PIPE, 3/4 X 1/2	023-04010	2	023-04010	4	023-04010	4	023-04010	2
158	BUSHING, PIPE, OD HEX 3/4 X 1/4	—	—	023-04039	1	023-04039	1	—	—
159	BUSHING, PIPE, 3/4 NPT X 3/4 NPT	—	—	023-04016	1	—	—	—	—
160	BUSHING, PIPE, 3/8 X 1/2 NPT	—	—	—	—	—	—	—	—
161	CONTROL SHAFT	029-11856	1	029-11856	1	029-11856	1	023-03987	1
162	GASKET, 2 1/2 O.D. X 2 I.D. X 1/16 THK.	† 028-00781	1	■ 028-00781	1	● 028-00781	1	029-11856	1
163	SHAFT CONTROL COVER	064-13909	1	064-13909	1	064-13909	1	★ 028-00781	1
164	SPECIAL WASHER	064-08815	1	064-08815	1	064-08815	1	064-13909	1
165	SCREW, CAP 12 PT. HD. 1/2 - 20 UNF X 6 LG.	021-11998	1	021-11998	1	021-11998	1	064-08815	1
166	LEVER, PRV DEVICE INTERNAL	364-28447	1	364-20399	1	021-11998	1	064-08815	1
167	LEVER, PRV DEVICE	SEE FIG. 15 & 16	1	SEE FIG. 25 & 26	1	364-21442	1	SEE ITEM 57	1
168	PIN INSERT, 3/32 DIA. X 1 1/8 LG.	029-05900	—	029-05900	1	SEE FIG. 35 & 36	1	364-22708	1
169	SCREW, SPECIAL, 3/8 - 24 UNF X 1 5/8 LG.	064-10825	1	064-10825	1	—	—	SEE FIG. 43 & 44	1
170	SCREW, SPECIAL, 3/8 - 24 UNF X 2 3/4 LG.	064-28428	1	—	—	—	—	—	—
171	SCREW, SPECIAL, 1/2 - 20 UNF X 5 3/8 LG.	—	—	—	—	—	—	—	—
172	FILL PIECE	064-28446	1	064-12328	3	064-09078	1	—	—
173	FILL PIECE	064-10821	1	—	—	064-09070	1	064-09070	2
174	LOCKWASHER, SPRING, 3/8	021-05269	1	021-10815	1	064-09069	1	—	—
175	LOCKWASHER, SPRING, 1/2	—	—	—	—	—	—	—	—
176	PIN, COTTER 3/32 DIA. X 3/4 LG.	021-01083	1	021-01083	1	021-05271	1	—	—
177	NUT, HEX. REG. 3/8 - 24 UNF	021-00474	3	—	—	021-01083	1	021-01083	2
178	NUT, HEX. REG. 1/2 - 20 UNF	—	—	—	—	—	—	—	—
179	ROD, ADJUSTABLE	064-10823	1	—	—	021-10171	3	021-10171	2
180	BEARING, ROD END SPHERICAL	029-08343	2	064-12314	1	064-09080	1	064-09080	1
181	SCREW, SPECIAL 1/2 - 20 UNF - 3 X 1 3/4 LG.	—	—	029-08343	2	029-07015	2	029-07015	2
182	SCREW, CAP HEX. HD., 1/4 - 20 UNC-2A X 3/4 LG.	—	—	—	—	064-09079	1	064-09079	1
183	SCREW, CAP HEX. HD., 1/4 - 20 X 1 1/2 LG.	—	—	—	—	—	—	021-01379	2
184	SCREW, CAP HEX. HD., 1/4 - 20 X 1 1/2 LG.	—	—	—	—	—	—	—	—
185	SCREW, CAP 12 PT. HD. 5/16 - 24 UNF X 1 3/4 LG.	—	—	—	—	—	—	—	—
186	PIPE PLUG, 1/8 NPT HEX SOCKET HD.	021-11914	2	021-11914	1	021-11914	2	—	—
187	SCREW, CAP 12 PT. HD., 5/16 - 18 UNC X 1 1/2 LG.	—	—	021-02399	1	—	—	—	—
188	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 1/2 LG.	021-11532	1	021-11532	1	021-11532	1	021-11532	1
189	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 1/2 LG.	023-01970	1	023-01970	1	023-01970	1	021-01970	1
190	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 1/2 LG.	021-11149	6	021-12039	8	021-12039	8	021-12039	12
191	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 1/2 LG.	021-11141	19	021-11141	21	—	—	021-11149	4
192	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 1/2 LG.	021-11175	13	021-11175	11	021-11141	4	021-11141	10
193	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 7/8 LG.	021-11916	5	—	—	021-11175	8	021-11175	32
194	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 2 1/4 LG.	021-11139	4	021-11139	4	021-11916	20	021-11916	14
195	SCREW, CAP 12 PT. HD., 3/8 - 24 NF X 1 1/2 LG.	—	—	021-11917	6	—	—	—	—

† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624
 ■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626
 ● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628
 ★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59		MODEL 67-76		MODEL 85-95		MODEL 108-120	
		YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.	YORK PART NO.	QUAN.
196	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC-3A X 1 1/8 LG.	—	—	—	—	—	—	021-11148	24
197	SCREW, CAP 12 PT. HD., 1/2 - 13 UNC-3A X 1 1/2 LG.	—	—	—	—	—	—	021-11933	30
198	SCREW, CAP 12 PT. HD., 5/8 - 11 UNC X 1 1/2 LG.	021-11159	21	021-11159	32	—	—	—	—
199	SCREW, CAP 12 PT. HD., 3/8 - 24 UNF X 7/8 LG.	—	—	021-11498	6	—	—	—	—
200	SCREW, CAP 12 PT. HD., 5/8 - 11 UNC X 1 3/4 LG.	021-11127	18	—	—	—	—	—	—
201	SCREW, CAP 12 PT. HD., 5/8 - 16 UNC-2 X 3 1/2 LG.	021-11673	3	—	—	—	—	—	—
202	SCREW, CAP 12 PT. HD., 3/4 - 10 UNC-3A X 2 1/4 LG.	—	—	021-11980	2	—	—	021-11980	76
203	SCREW, CAP 12 PT. HD., 3/4 - 10 UNC-3A X 2 1/2 LG.	—	—	—	—	—	—	021-12002	20
204	SCREW, CAP 12 PT. HD., 5/8 - 11 UNC X 2" LG.	—	—	—	—	021-11971	36	—	—
205	SCREW, CAP 12 PT. HD., 1/4 - 20 UNC X 1" LG.	021-11737	4	021-11737	4	021-11737	4	—	—
206	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 3/4" LG.	021-12120	4	—	—	—	—	—	—
207	SCREW, CAP 12 PT. HD., 3/4 - 10 UNC X 2" LG.	—	—	021-11736	14	021-11736	16	—	—
208	SCREW, CAP 12 PT. HD., 3/8 - 16 UNC X 1 3/8 LG.	—	—	—	—	021-11986	4	—	—
209	SCREW, CAP 12 PT. HD., 3/8 - 24 UNF X 1 1/2 LG.	—	—	—	—	021-11720	3	—	—
210	SCREW, MACH. PRR. HD. NO. 10-24 UNC X 3/8 LG.	—	—	—	—	021-03745	1	—	—
211	SCREW, MACH. PRR. HD. NO. 10-24 UNC X 5/8 LG.	021-03745	1	021-03745	1	021-01785	2	021-01785	1
212	SCREW, MACH. PRR. HD. NO. 10-24 UNC X 1/4 LG.	—	—	021-01785	1	—	—	021-12061	1
213	SCREW, MACH. PRR. HD. NO. 10-24 UNC X 3/4 LG.	—	—	—	—	—	—	—	—
214	SCREW, CAP HEX. HD., 5/16 - 18 UNC X 3/4 LG.	021-01797	1	—	—	—	—	—	—
215	SCREW, CAP HEX. HD., 1/2 - 13 UNC-2A X 1 1/4 LG.	021-01418	4	021-01418	4	021-01418	4	021-01418	4
216	SCREW, CAP HEX. HD., 1/2 - 13 UNC-2A X 1 1/2 LG.	—	—	—	—	—	—	021-01567	2
217	SCREW, DRIVE NO. 4 X 1/4 LG.	—	—	—	—	—	—	—	—
218	NUT, HEX - 1/4 - 20 UNC	—	—	—	—	—	—	—	—
219	NUT, HEX - 5/16 - 18 UNC	—	—	—	—	—	—	—	—
220	NUT, HEX - 3/8 - 24 UNF	—	—	—	—	—	—	—	—
221	NUT, HEX - 1/2 - 13 UNC	—	—	—	—	—	—	—	—
222	WASHER, PLAIN 21/32 X 1 5/16 X .095 THK.	021-01239	1	—	—	—	—	—	—
223	WASHER, 1/2 O.D. X 17/64 I.D. X .016 THK.	021-11973	10	021-11973	10	021-11973	10	021-11973	10
224	WASHER, FLAT	064-11649	6	064-11649	6	—	—	—	—
225	WASHER, PLAIN 3/16 O.D. X 13/32 X .065 THK.	—	—	—	—	—	—	021-01274	6
226	WASHER, PLAIN 13/16 O.D. X 1 1/2 I.D. X .134 THK.	—	—	—	—	—	—	—	—
227	WASHER, PLAIN 11/32 I.D. X 11/16 O.D. X .065 THK.	—	—	—	—	—	—	—	—
228	LOCKWASHER, 1/2"	—	—	021-05157	3	—	—	—	—
229	LOCKWASHER, SPRING, 5/16"	—	—	021-05166	8	021-05166	8	—	—
230	LOCKWASHER, SPRING, 1/2"	—	—	021-05271	2	021-05289	4	—	—
231	AUXILIARY OIL PUMP	—	—	—	—	—	—	021-05290	4
232	BRACKET, AUX. OIL PUMP	—	—	—	—	—	—	021-05293	2
233	ROTATION NAME PLATE	—	—	—	—	—	—	SEE PAGE 43	1
234	CLIP, TOP	364-29150	1	364-25344	1	364-25431	1	364-25750	1
235		029-00334	1	029-00334	1	029-00334	1	029-00334	1

OPEN COMPRESSOR PARTS LIST (CONTINUED)

ITEM NO.	DESCRIPTION	MODEL 53-59			MODEL 67-76			MODEL 85-95			MODEL 108-120		
		YORK PART NO.	QUAN.	YORK PART NO.	YORK PART NO.	QUAN.	YORK PART NO.	YORK PART NO.	QUAN.	YORK PART NO.	YORK PART NO.	QUAN.	
236	CARBON SHAFT SEAL		-			-				★ 064-16651-011		1	
237	RING, SHAFT SEAL	⬆ 064-15385-006	1	■ 064-15385-008	1	1	● 064-15385-008	1	1	★ 064-16650-011		1	
238	HELICAL SPRING	⬆ 029-11568-002	1	■ 029-11568-001	1	1	● 029-11568-001	1	1	★ 029-09095		1	
239	COVER SHAFT SEAL	⬆ 064-23942	1	■ 064-22929	1	1	● 064-22929	1	1	★ 064-22975		1	
240	GASKET SHAFT SEAL COVER	† 064-22742	1	■ 064-22706	1	1	● 064-22706	1	1	★ 064-23108		1	
241	COUPLING GUARD	SEE TABLE 1	1	SEE TABLE 2	1	1	SEE TABLE 3	1	1	SEE TABLE 4		1	
242	COUPLING	SEE TABLE 1	1	SEE TABLE 2	1	1	SEE TABLE 3	1	1	SEE TABLE 4		1	
243	SPACER COUPLING	064-22743	1	064-22704	1	1	064-22704	1	1			-	
244	GASKET	† 064-22744	1	■ 064-22705	1	1	● 064-22705	1	1			-	
245	PLUNGER, OIL RELIEF VALVE	064-14790	1	064-14790	1	1	064-14790	1	1	064-14790		1	
246	SPRING, HELICAL	029-06143	1	029-06143	1	1	029-06143	1	1	029-06143		1	
247	GASKET	† 028-03021	1	■ 028-03021	1	1	● 028-03021	1	1	★ 028-03021		1	
248	OIL RELIEF VALVE SEAL CAP	065-06394	1	065-06394	1	1	065-06394	1	1	065-06394		1	
249	PIPE PLUG, 1/4 MPT	023-04152	3			-						-	
250	"O" RING, 4 1/4 X 4 X 1/8 SECT.		-	● 028-04349	1	1	● 028-04349	1	-			-	
251	OIL SIGHT GLASS	026-13123	1	026-13123	1	1	026-13123	1	-			-	
252	FILL PIECE	064-23087	1			-						-	
253	BRACKET, OIL FILTER MOUNTING		-	064-25439	1	1						-	
254	BRACKET MOUNTING JUNCTION BOX		-	064-25512	1	1						-	
255	LOCKTITE - "NUT LOCK" TYPE CV (4-10)	013-01678	AS	013-01678	AS	AS	013-01678	AS	1			-	
256	NAME PLATE, DATA	029-13380	REQ 'D.	029-13380	REQ 'D.	1	029-13380	REQ 'D.	1	013-01678	013-01678	AS	
257	NAME PLATE, PATENT	029-13270-002	1	029-13270-002	1	1	029-13270-002	1	1	029-13380	029-13380	REQ 'D.	
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† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624

■ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD67 & LTD76 - PART NO. 464-29626

● PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD85 & LTD95 - PART NO. 464-29628

★ PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD108 & LTD120 - PART NO. 464-29630

① PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24257

② PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24258

③ PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-24258

④ PARTS INCLUDED IN SHAFT SEAL KIT - PART NO. 464-29632

COMPRESSOR—MODELS LTD53 AND LTD59

SHAFT END VIEW

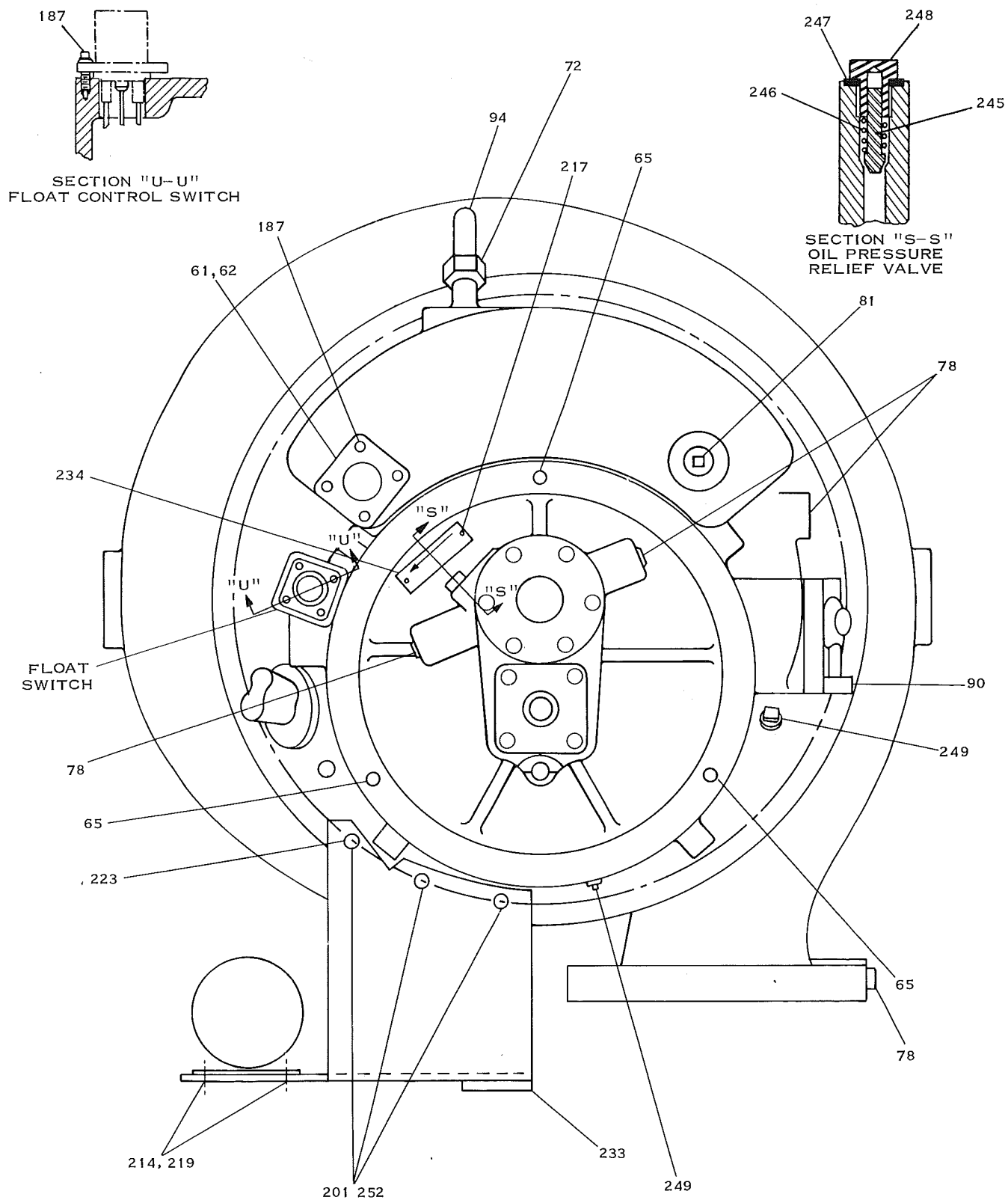


FIG. 7—Shaft End View and Cutaway View of Compressors - Models LTD53 and LTD59

COMPRESSOR—MODELS LTD53 AND LTD59

CUTAWAY VIEW

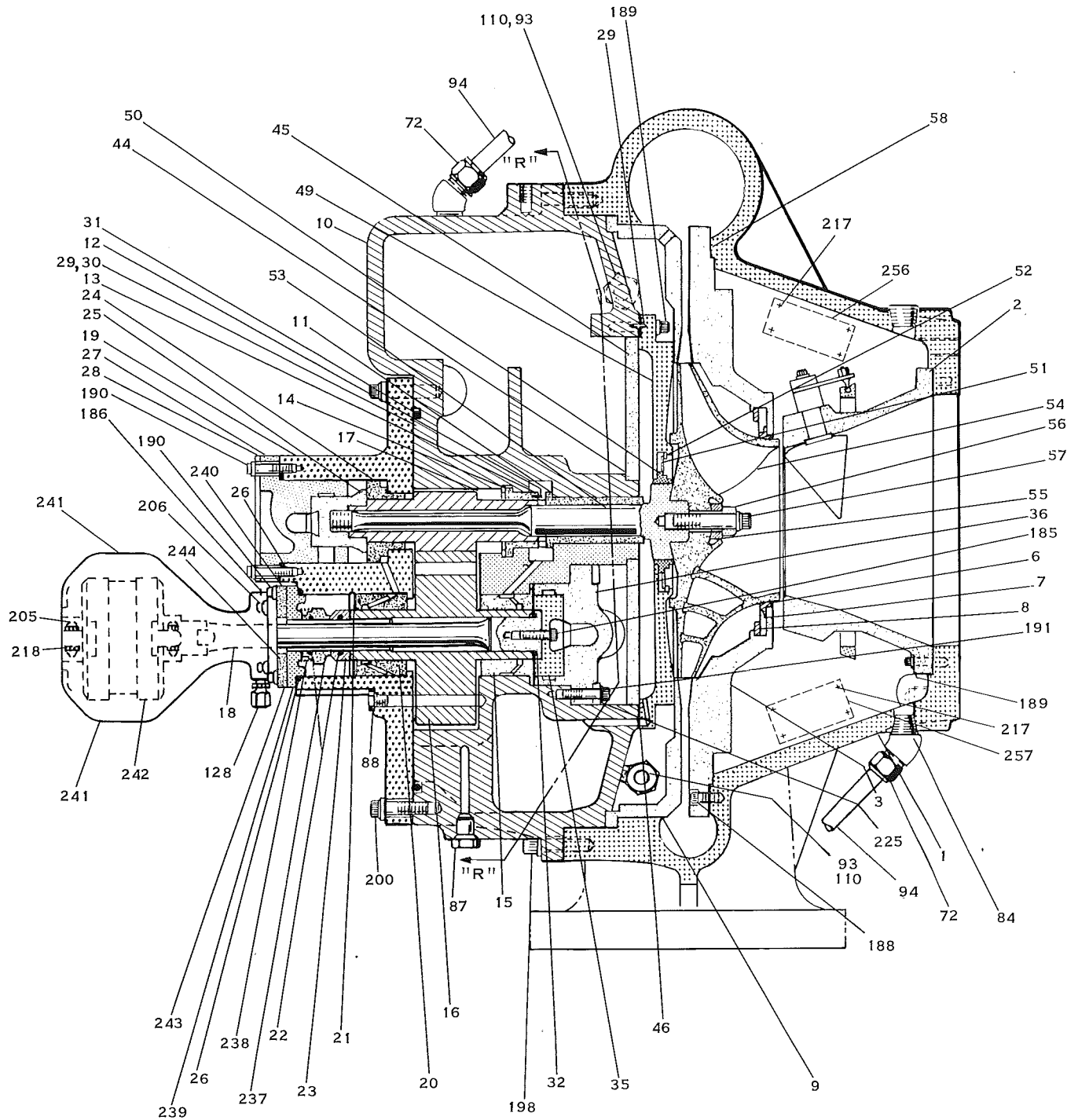


FIG. 7—(CONT'D)

COMPRESSORS—MODELS LTD53 AND LTD59

TABLE 1— VARIABLE PARTS

ITEM NO.	DESCRIPTION	60 CYCLE				50 CYCLE			
		MODEL LTD53		MODEL LTD59		MODEL LTD53		MODEL LTD59	
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.
2	PREROTATION VANE ASSEMBLY	364-15261	1	364-15262	1	364-15261	1	364-15262	1
3	NOZZLE BASE PLATE	064-20800	1	064-20801	1	064-20800	1	064-20801	1
6	IMPELLER SEAL RING	064-13815	1	064-13816	1	064-13815	1	064-13816	1
9	DEFUSER PLATE	064-12769	1	064-12768	1	064-12769	1	064-12768	1
18	DRIVE SHAFT	064-15471	1	064-15471	1	064-27518	1	064-27518	1
32	"O"-RING DRIVE SHAFT	† 028-04479	1	† 028-04479	1	† 028-08270	1	† 028-08270	1
54	IMPELLER	064-12306	1	064-12305	1	064-12306	1	064-12305	1
241	COUPLING GUARD	364-22737	1	364-22737	1	064-27524	1	064-27524	1
242	COUPLING	364-06398	1	364-06398	1	364-27522	1	364-27522	1

† PARTS INCLUDED IN FIELD REPLACEMENT KIT - MODELS LTD53 & LTD59 - PART NO. 464-29624

1/2 Guard only 367-82966 (Complete)

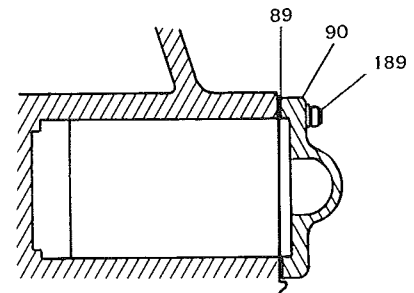


FIG. 8— Filter

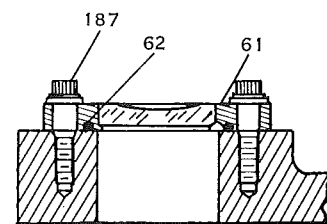
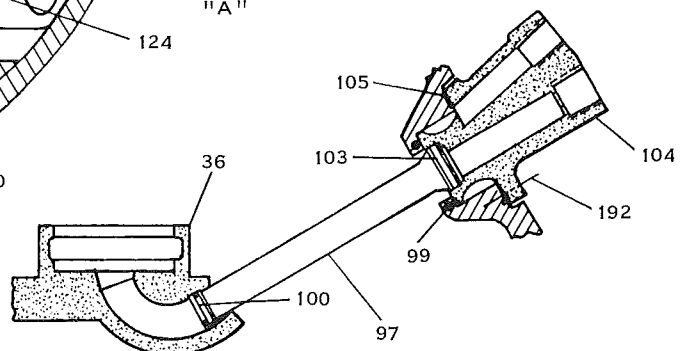
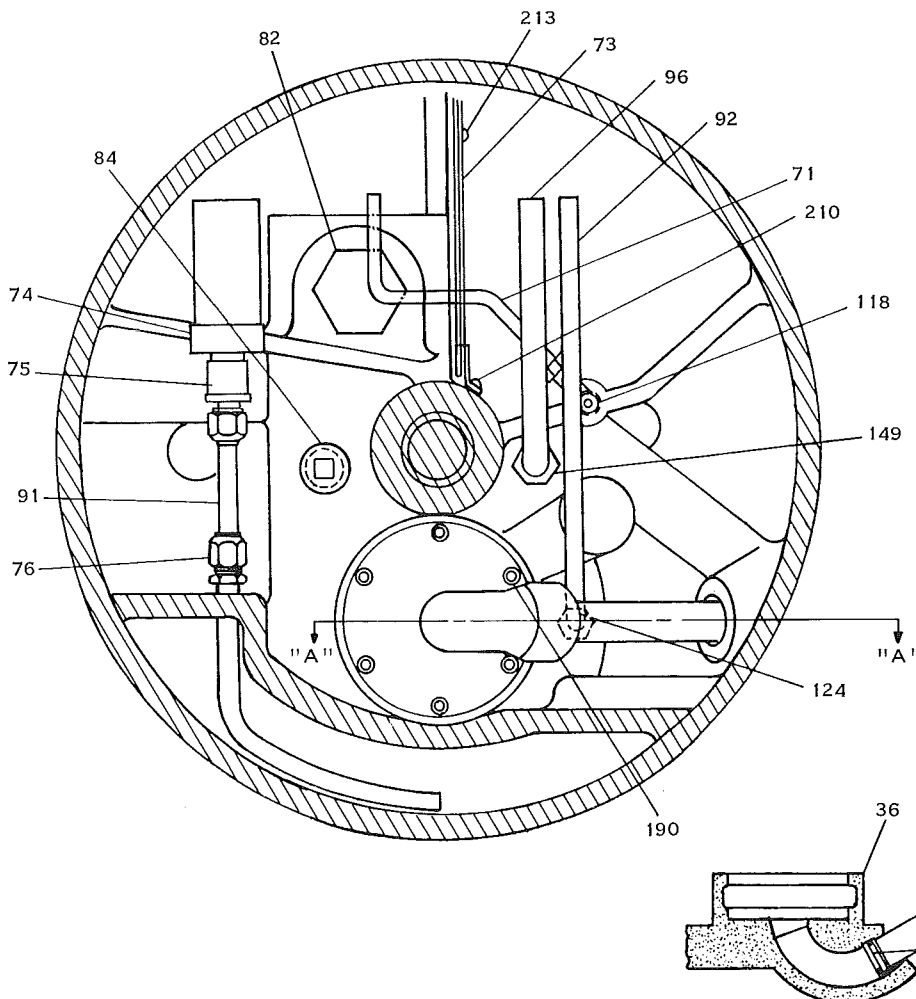


FIG. 9— Oil Sight Glass



SECTION "A"—"A"

FIG. 10— Section "R"-"R" - Showing Oil Pump and Internal Parts

COMPRESSORS—MODELS LTD53 AND LTD59

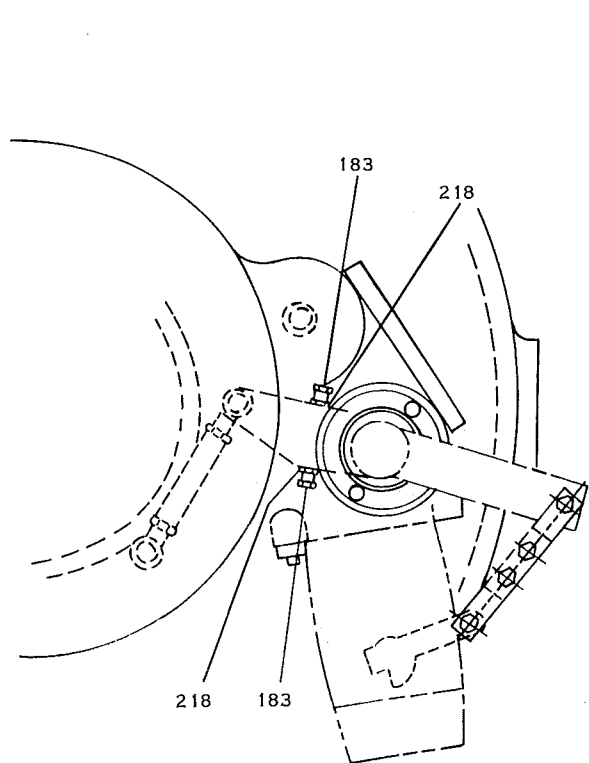


FIG. 11— Electric Motor Lever - Adjustment Parts

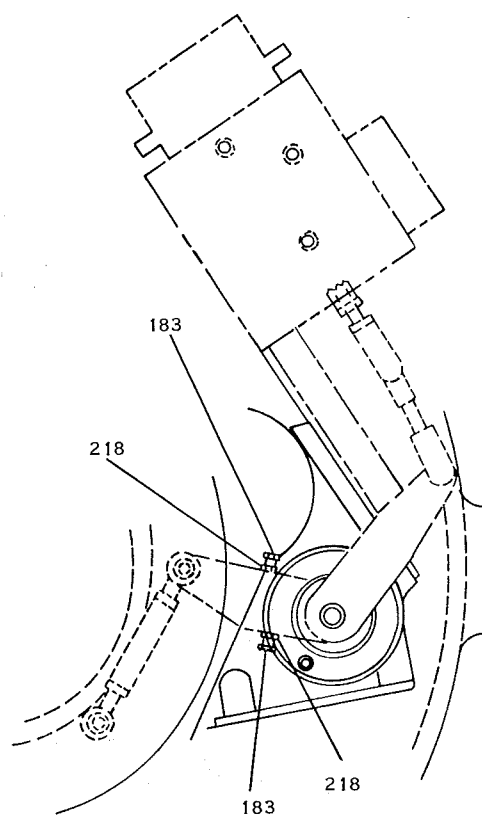


FIG. 12— Pneumatic PRV Position Lever Adjustment Parts

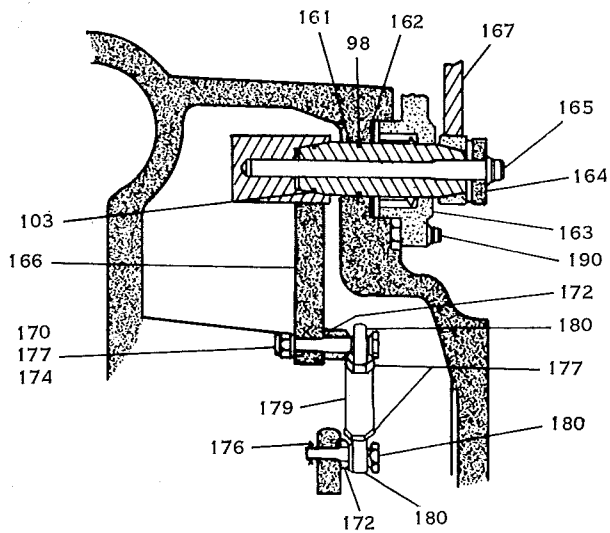


FIG. 13— PRV - Control Shaft & Internal Linkage

18

**MODELS LTD53 AND LTD59
LINKAGE - EXTERNAL PRV
ELECTRICALLY OPERATED**

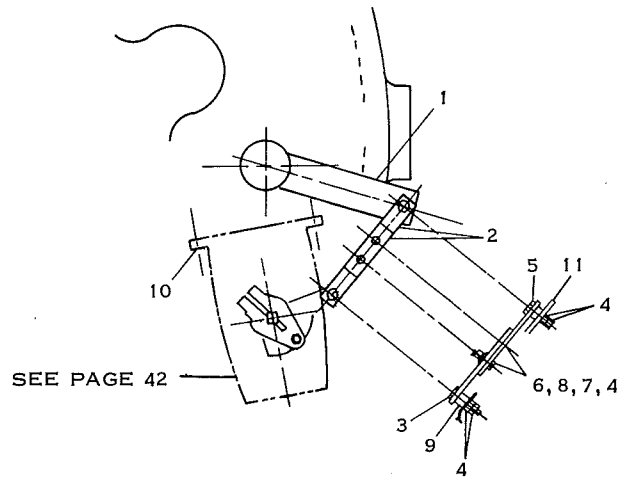


FIG. 15— Linkage External PRV - Electrical Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	LEVER, PRV DEVICE	1	364-28236B
2	LINK, EXT. PRV	2	064-28260A
3	BOLT SHOULDER	1	064-28286A
4	NUT, HEX, $\frac{1}{4}$ - 20UNC	6	021-00450
5	BOLT SHOULDER	1	064-28282A
6	SCREW, CAP HEX HD.	2	021-11914
7	LOCKWASHER, $\frac{1}{4}$	2	021-05267
8	WASHER, PLAIN	2	021-05165
9	RING, $\frac{5}{8}$ O.D. X $\frac{17}{64}$ X $\frac{1}{2}$ LG.	1	064-28284
10	SCREW, CAP 12PT. HD.	4	021-11741
11	RING, $\frac{5}{8}$ O.D. X $\frac{17}{64}$ X $\frac{3}{8}$ LG.	1	064-28353
12	ARM CRANK W/CLIP	1	025-12780

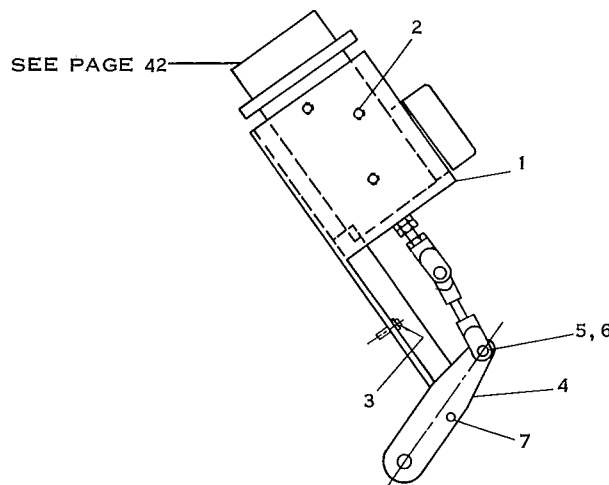


FIG. 16— Linkage - External PRV - Air Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	BRACKET, MOUNTING PRV MOTOR	1	364-16838D
2	SCREW, CAP, $\frac{1}{4}$ - 20UNC X $\frac{5}{8}$	3	021-08310
3	SCREW, CAP, $\frac{5}{16}$ - 18UNC X $\frac{3}{4}$	4	021-11394
4	LEVER - PRV DEVICE	1	064-17898B
5	SCREW, CAP, $\frac{1}{4}$ - 20UNC X $1 \frac{1}{2}$	1	021-02399
6	NUT - HEX, $\frac{1}{4}$ - 20UNC	2	021-00450
7	PIN, INSERT	1	029-04842

COMPRESSOR—MODELS LTD67 AND LTD76

SHAFT END VIEW

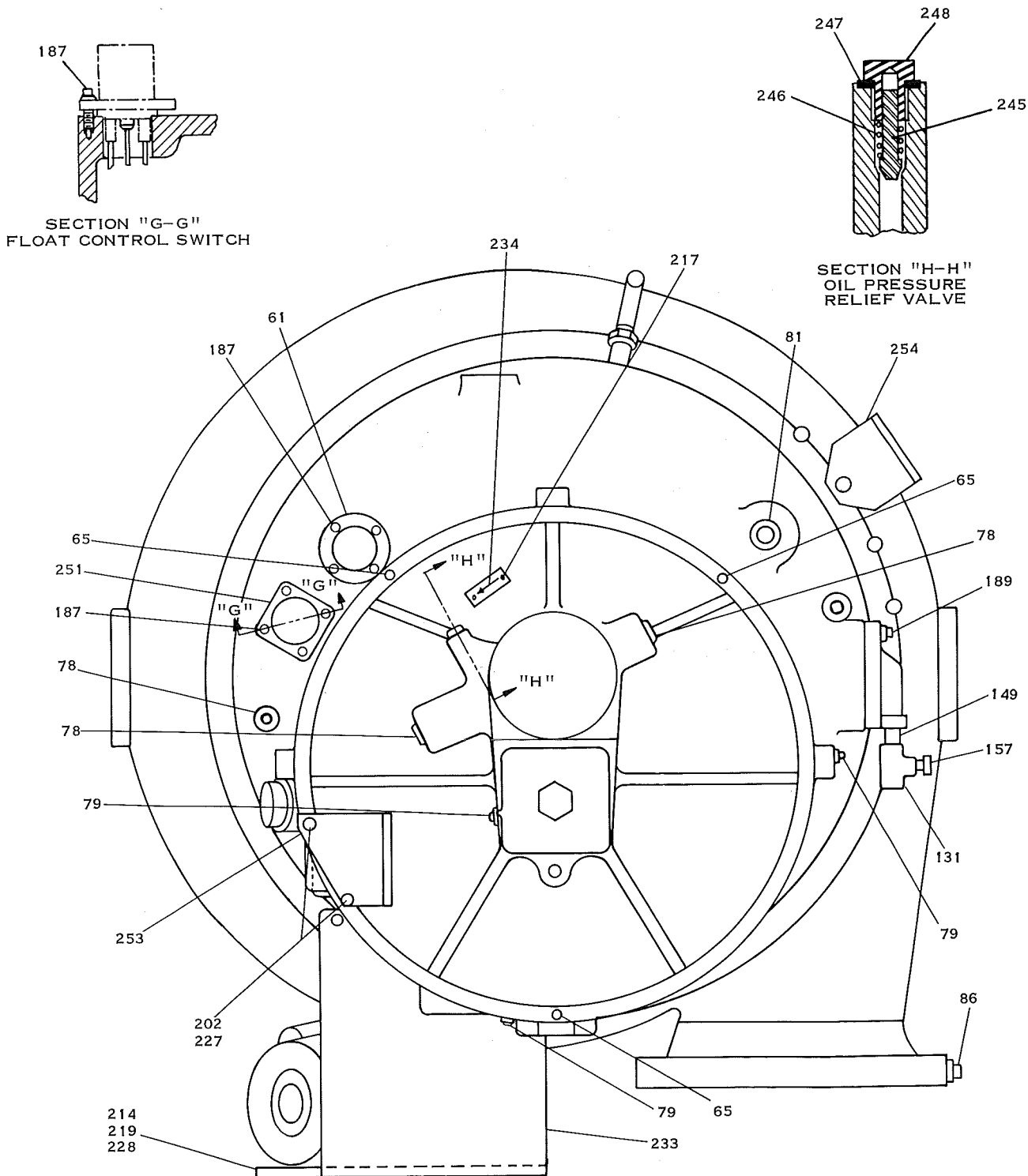
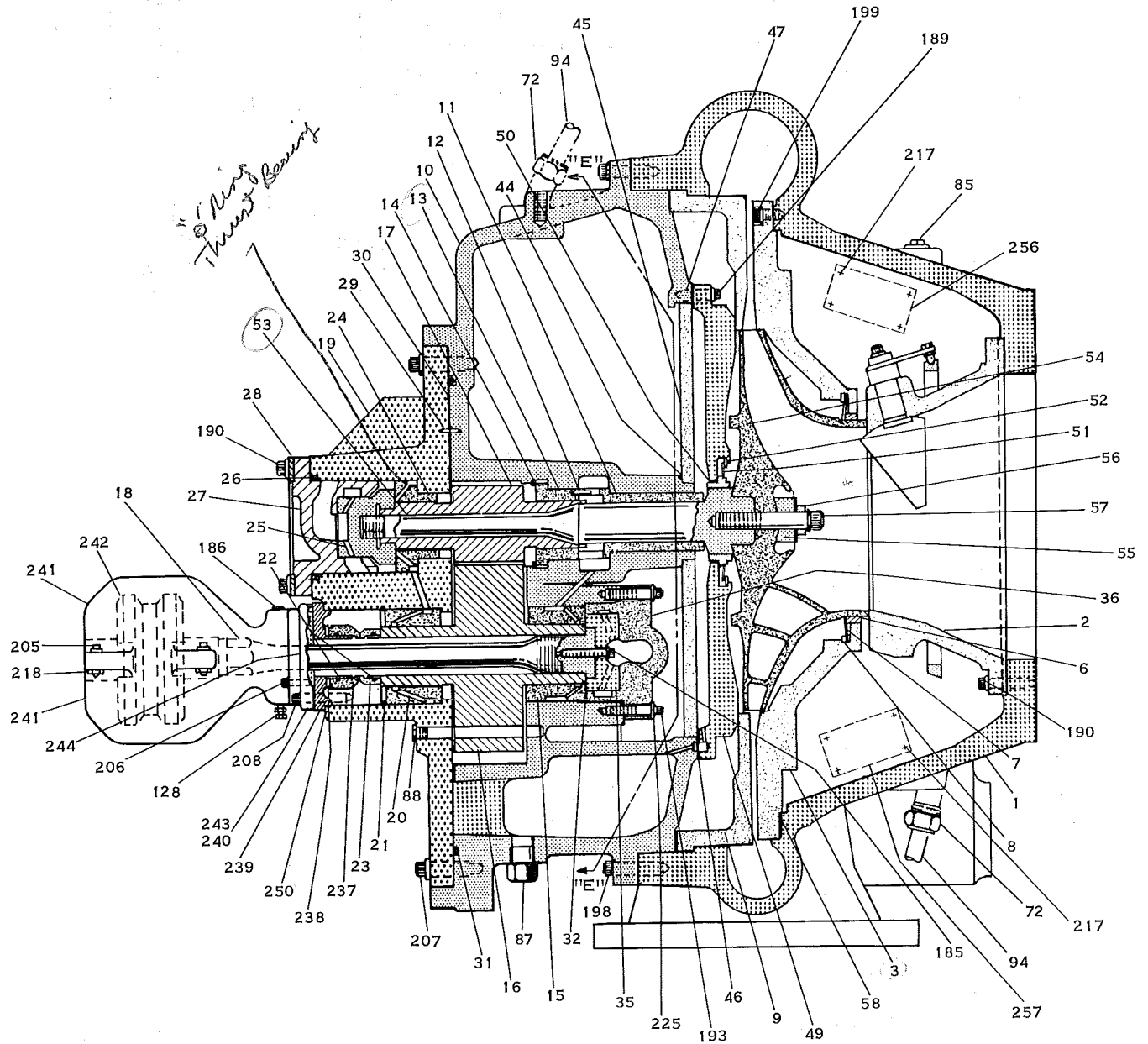


FIG. 17— Shaft End View and Cutaway View of Compressors - Models LTD67 and LTD76

COMPRESSOR—MODELS LTD67 AND LTD76

CUTAWAY VIEW



ITEM NO.	PART DESCRIPTION	60 CYCLE		50 CYCLE	
		SIZE	PART NO.	SIZE	PART NO.
241	COUPLING GUARD	1 1/4	064-22703	1 1/2 X 1 1/4	064-22739
242	COUPLING	1 1/4	364-06503	1 1/2 X 1 1/4	364-16913

FIG. 17 (CONT'D) —

COMPRESSORS—MODELS LTD67 AND LTD76

TABLE 2— VARIABLE PARTS

ITEM NO.	PART DESCRIPTION	60 AND 50 CYCLE			
		MODEL 67		MODEL 76	
		PART NO.	QUAN.	PART NO.	QUAN.
2	PREROTATION VANE ASSEMBLY	364-15250	1	364-15249	1
3	NOZZLE BASE PLATE	064-20409	1	064-20410	1
6	IMPELLER SEAL RING	064-20430	1	064-20431	1
7	FLAT SPRING WASHER	064-06242	1	064-05741	1
8	RETAINING RING, IMPELLER SEAL, INTERNAL	064-06243	1	064-05742	1
9	DEFUSER PLATE	064-11810	1	064-11638	1
54	IMPELLER	064-11297	1	064-11127	1

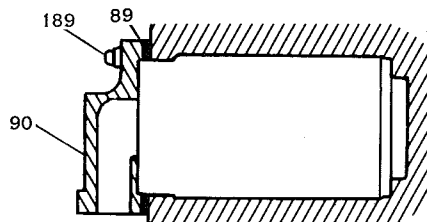


FIG. 18— Filter

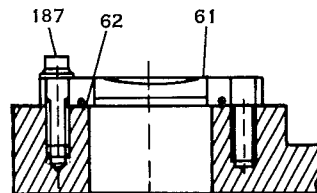


FIG. 19— Oil Sight Glass

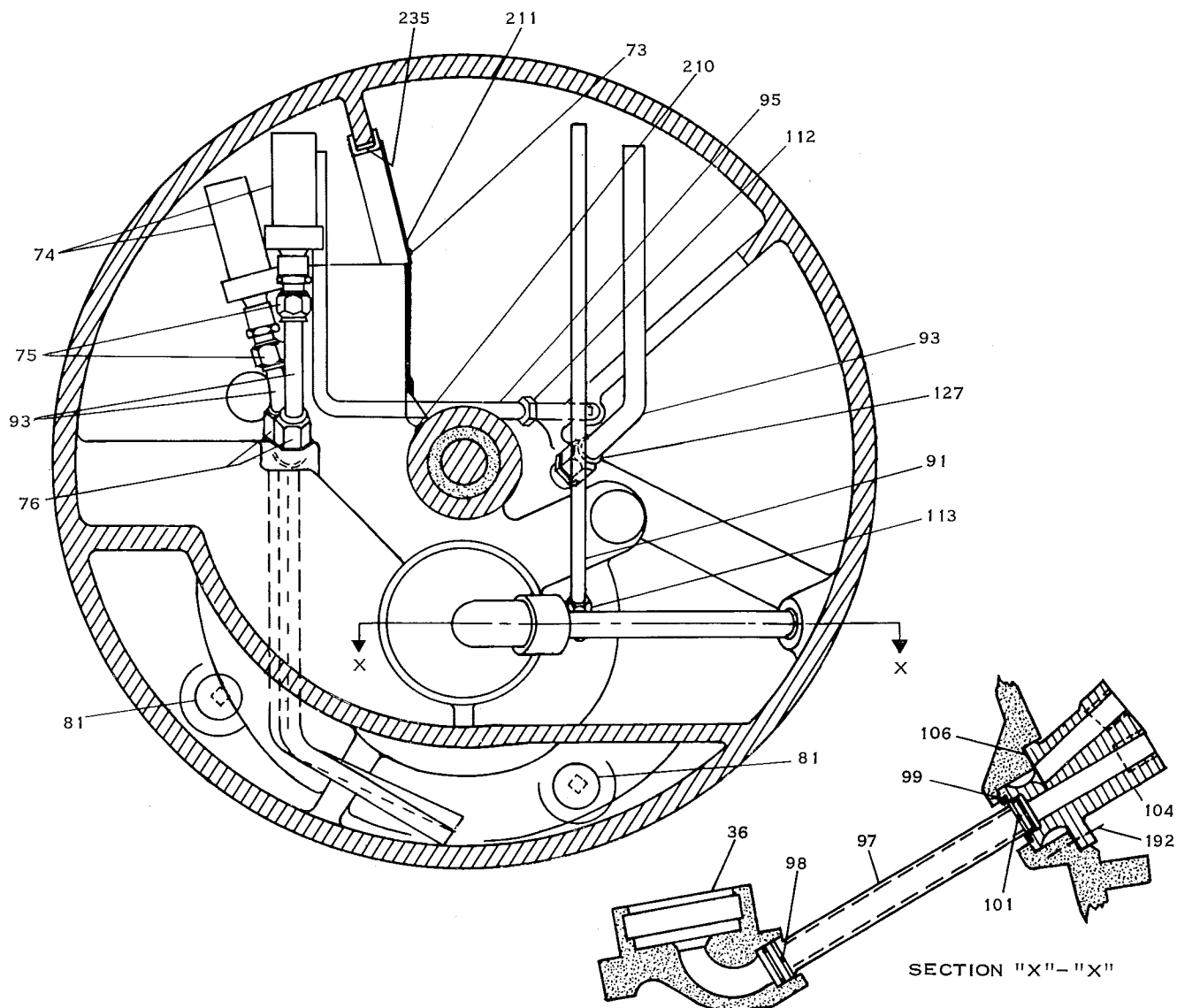


FIG. 20— Section "E" - "E" - Showing Oil Pump and Internal Parts

COMPRESSORS—MODELS LTD67 AND LTD76

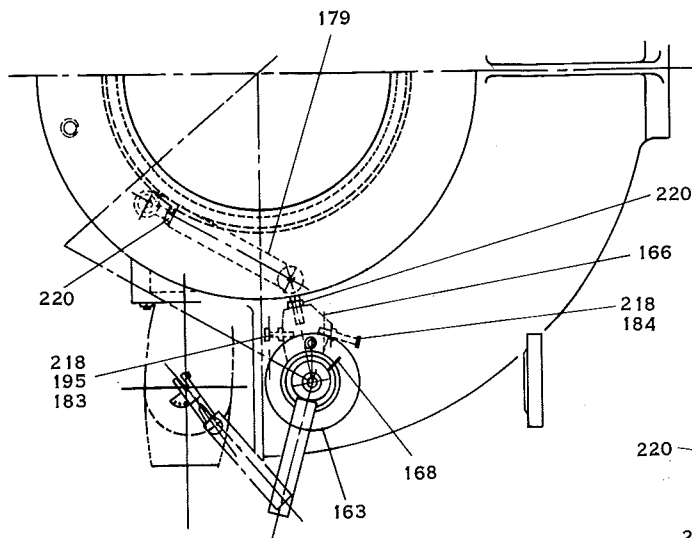


FIG. 21 — PRV - Lever Adjustment Parts
Electrically Operated

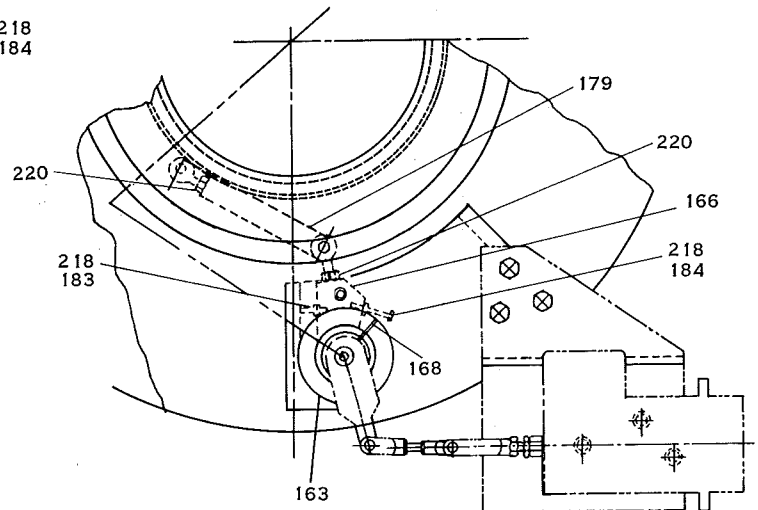


FIG. 22 — PRV - Lever Adjustment Parts
Air Operated

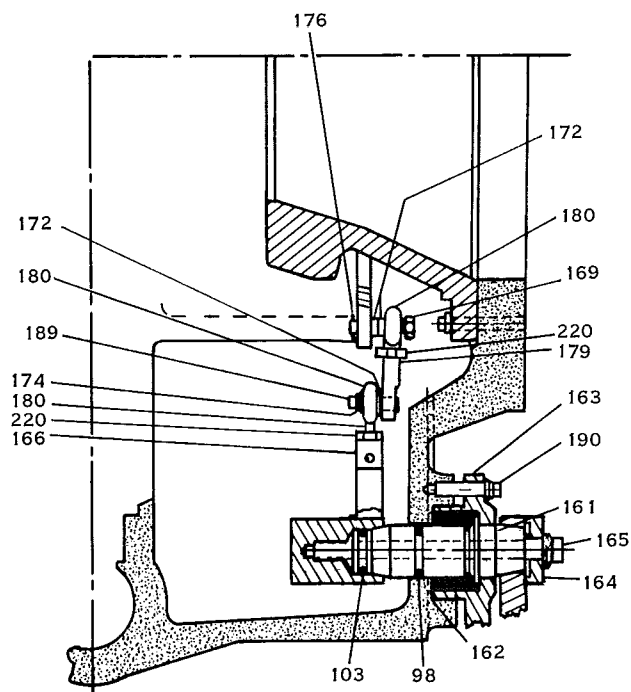


FIG. 23 — PRV Control Shaft and Internal Linkage

COMPRESSORS—MODELS LTD67 AND LTD76

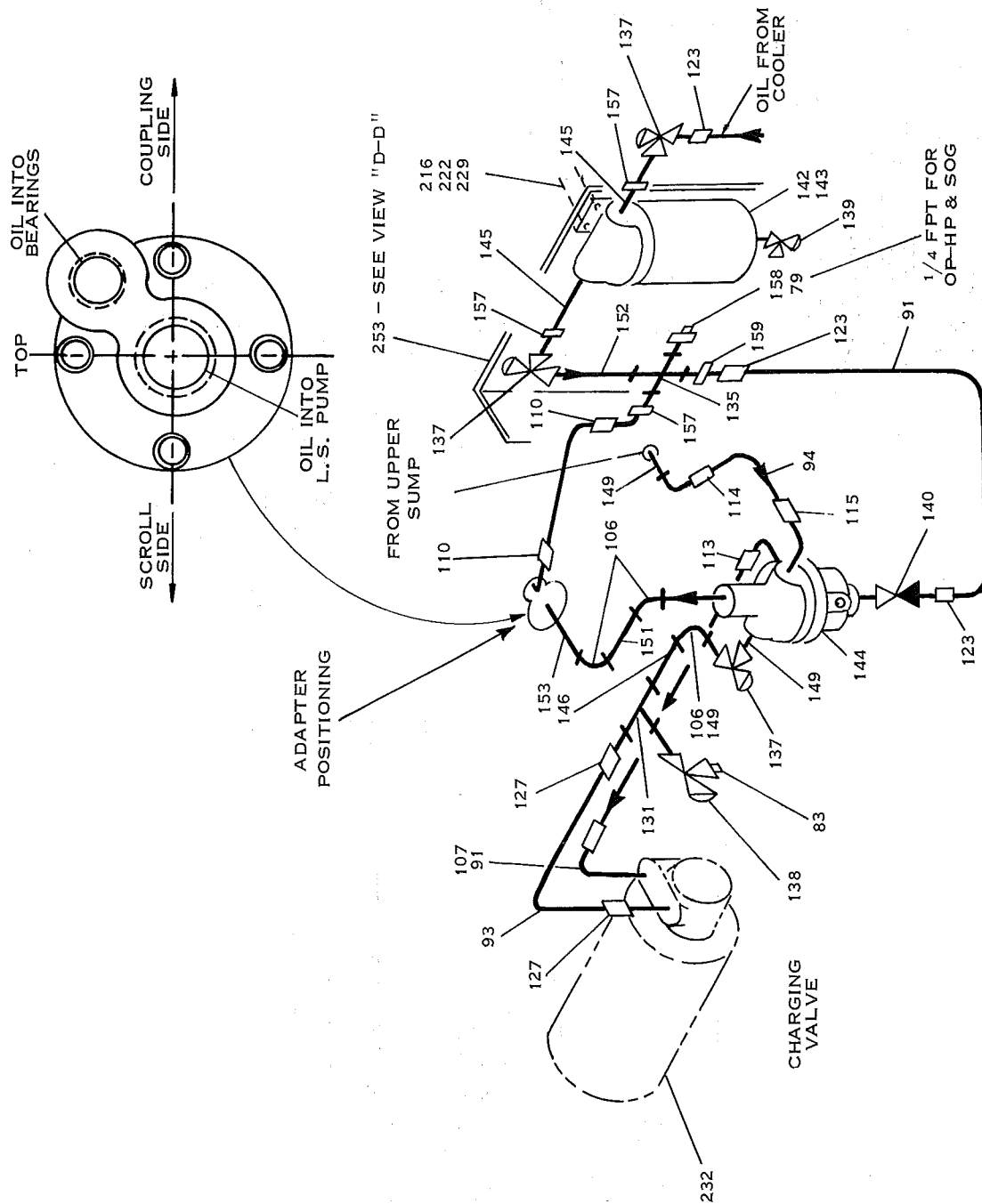


FIG. 24— Oil Piping

MODELS LTD67 AND LTD76
LINKAGE - EXTERNAL PRV
ELECTRICALLY OPERATED

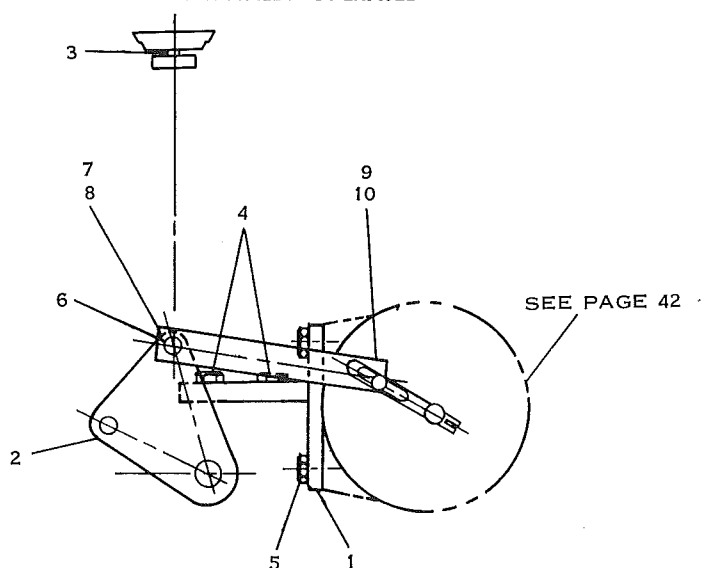


FIG. 25— Linkage External PRV - Electrically Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	PLATE, MOTOR SUPPORT	1	364-12236
2	LEVER, PRV DEVICE	1	064-12237
3	TUBE, FILL PIECE	1	064-15003
4	SCREW, CAP, HEX. HD. $\frac{3}{8}$ -16UNC X 1 LG.	3	021-11149
5	SCREW, CAP, HEX. HD. $\frac{1}{4}$ -20UNC X $\frac{3}{4}$ LG.	4	021-11741
6	SCREW, CAP, HEX. HD. $\frac{3}{8}$ -16UNC X $2\frac{3}{4}$ LG.	1	021-11940
7	NUT, HEX. $\frac{3}{8}$ -16UNC	2	021-00466
8	LINK, EXT. PRV MOTOR	1	064-12235
9	BOLT SHOULDER (SPECIAL)	1	064-12815
10	NUT, HEX. $\frac{1}{4}$ -20UNC	2	021-00450

AIR OPERATED

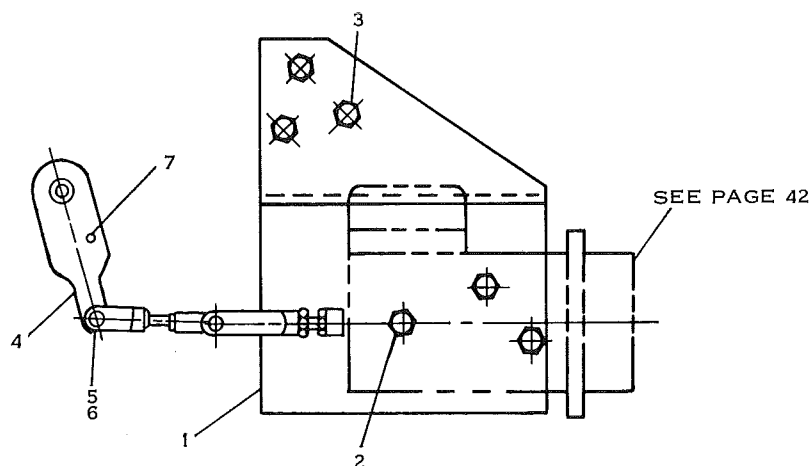


FIG. 26— Linkage External PRV - Air Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	BRACKET, PRV MOTOR MOUNTING	1	064-20428
2	SCREW, CAP, HEX. HD. $\frac{1}{4}$ -20UNC X $\frac{5}{8}$ LG.	3	021-08310
3	SCREW, CAP, HEX. HD. $\frac{1}{2}$ -13UNC X $\frac{7}{8}$ LG.	3	021-02750
4	LEVER, PRV DEVICE	1	064-16836
5	SCREW, CAP, $\frac{1}{4}$ -20UNC X 1 $\frac{1}{2}$ LG.	1	021-02399
6	NUT, HEX. HD. $\frac{1}{4}$ -20UNC	2	021-00450
7	PIN, INSERT	1	029-05900

COMPRESSOR—MODELS LTD85 AND LTD95

SHAFT END VIEW

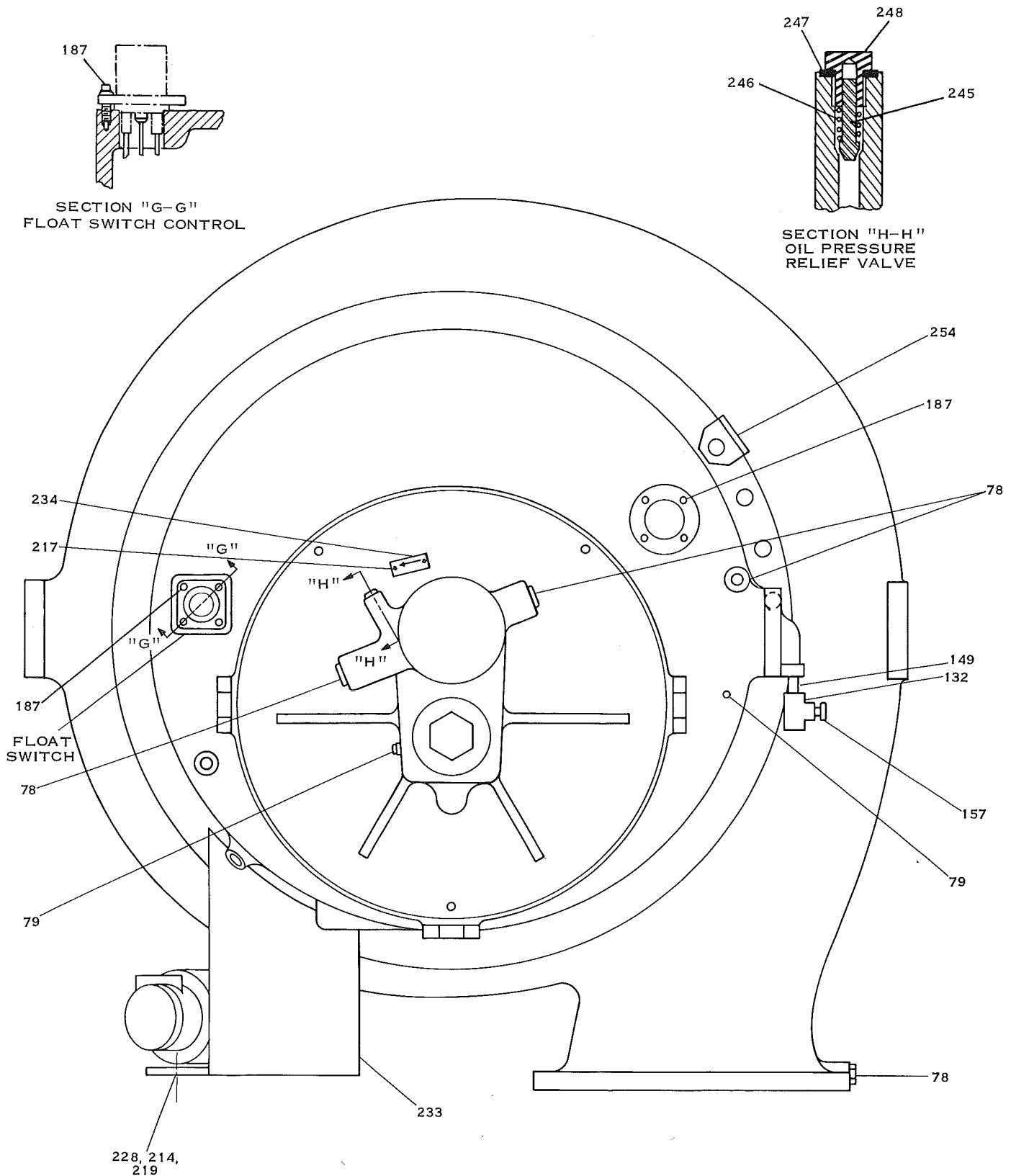


FIG. 27— Shaft End View and Cutaway View of Compressors - Models LTD85 and LTD95

COMPRESSOR—MODELS LTD85 AND LTD95

CUTAWAY VIEW

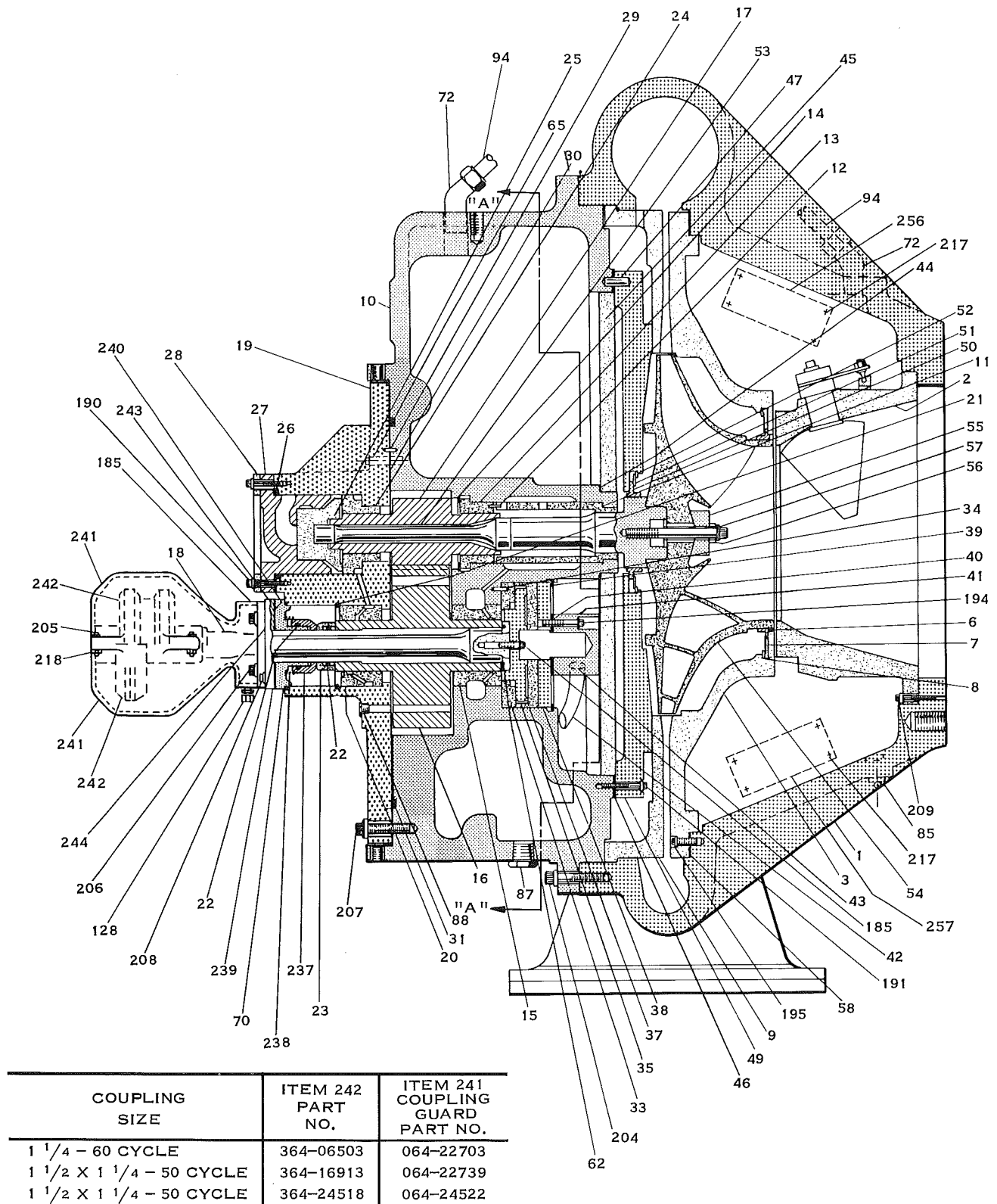


FIG. 27 (CONT'D) —

COMPRESSORS—MODELS LTD85 AND LTD95

TABLE 3—VARIABLE PARTS

ITEM NO.	PART DESCRIPTION	YORK FLEX. DISK COUPLING				YORK FLEX. COUPLING	
		(60 & 50 CYCLE)				(50 CYCLE)	
		MODEL LTD85		MODEL LTD95		MODEL LTD95	
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.
2	PREROTATION VANE ASSEMBLY	364-15255	1	364-15266	1	364-15266	1
3	NOZZLE BASE PLATE	064-21643	1	064-21644	1	064-21644	1
6	IMPELLER SEAL RING	064-21418	1	064-21417	1	064-21417	1
7	FLAT SPRING WASHER	064-05683	1	064-05656	1	064-05656	1
8	RETAINING RING - IMPELLER RING SEAL	064-05680	1	064-05588	1	064-05588	1
9	DIFFUSER PLATE	064-12139	1	064-12103	1	064-12103	1
18	DRIVE SHAFT	064-14971	1	064-14971	1	064-24520	1
25	THRUST COLLAR	064-21475	1	064-27569	1	064-27569	1
53	MAIN SHAFT	064-21479	1	064-27568	1	064-27568	1
54	IMPELLER	064-11968	1	064-11969	1	064-11969	1

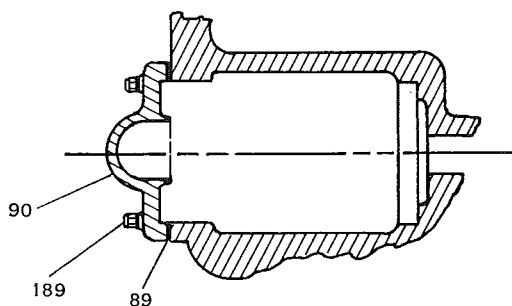


FIG. 28— Filter

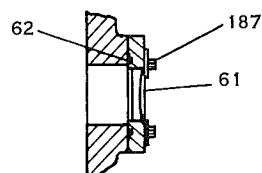


FIG. 29— Oil Sight Glass

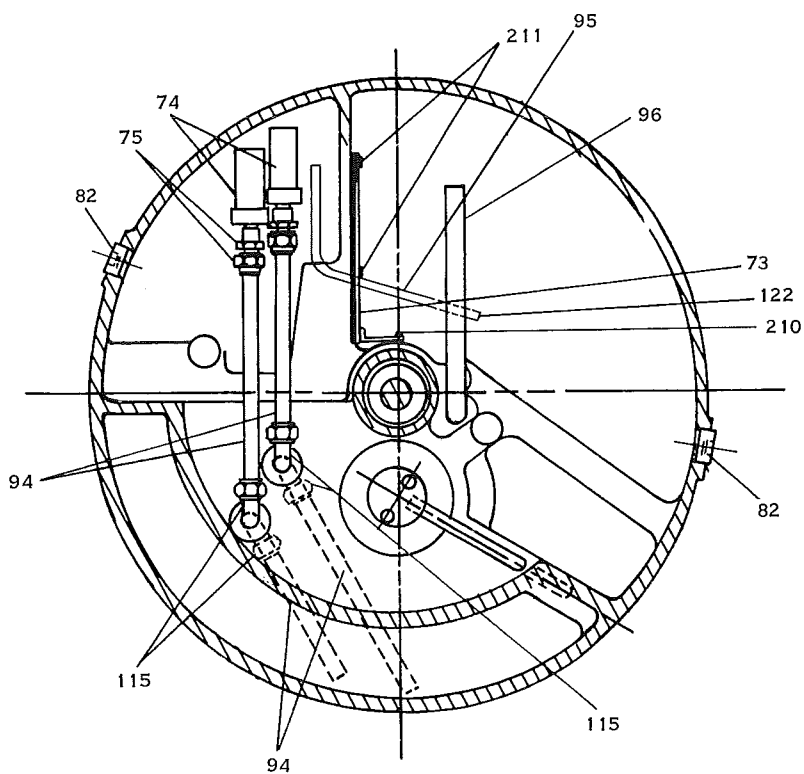


FIG. 30 — Section "A"-"A", Showing Oil Pump and Internal Parts

COMPRESSORS—MODELS LTD85 AND LTD95

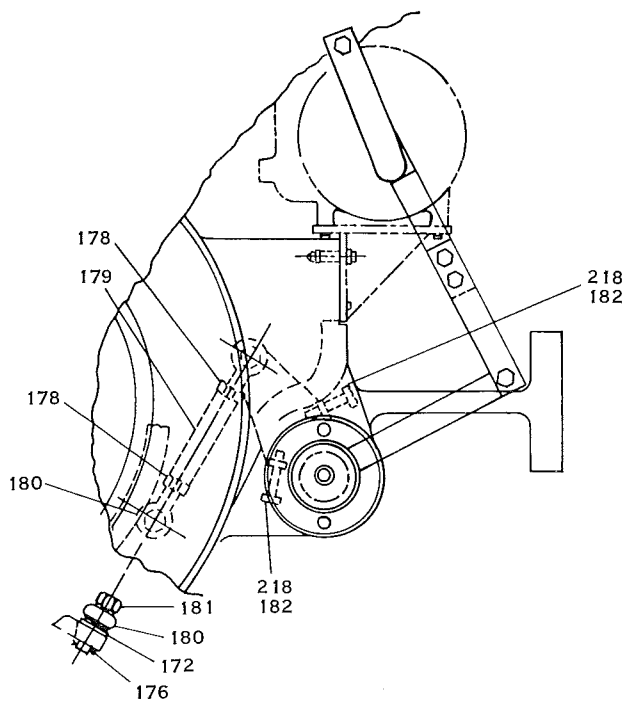


FIG. 31 — PRV - Lever Adjustment Parts
Electrically Operated.

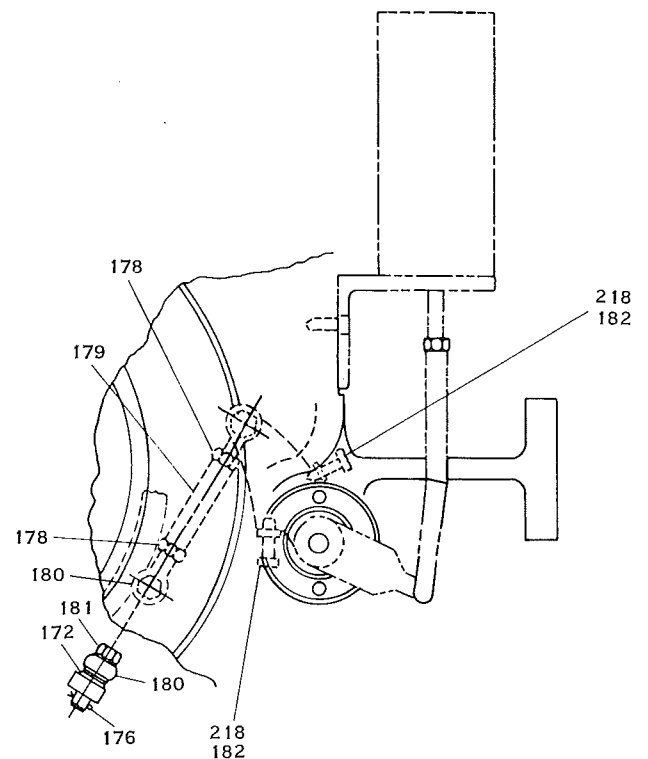


FIG. 32 — PRV - Lever Adjustment Parts
Air Operated

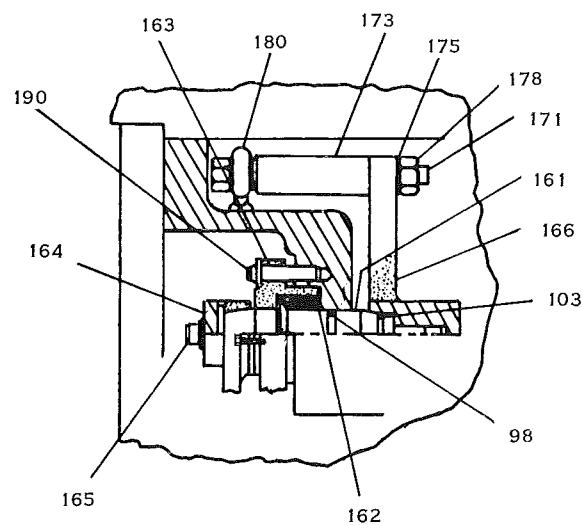


FIG. 33— PRV - Control Shaft and Internal Linkage

COMPRESSORS—MODELS LTD85 AND LTD95

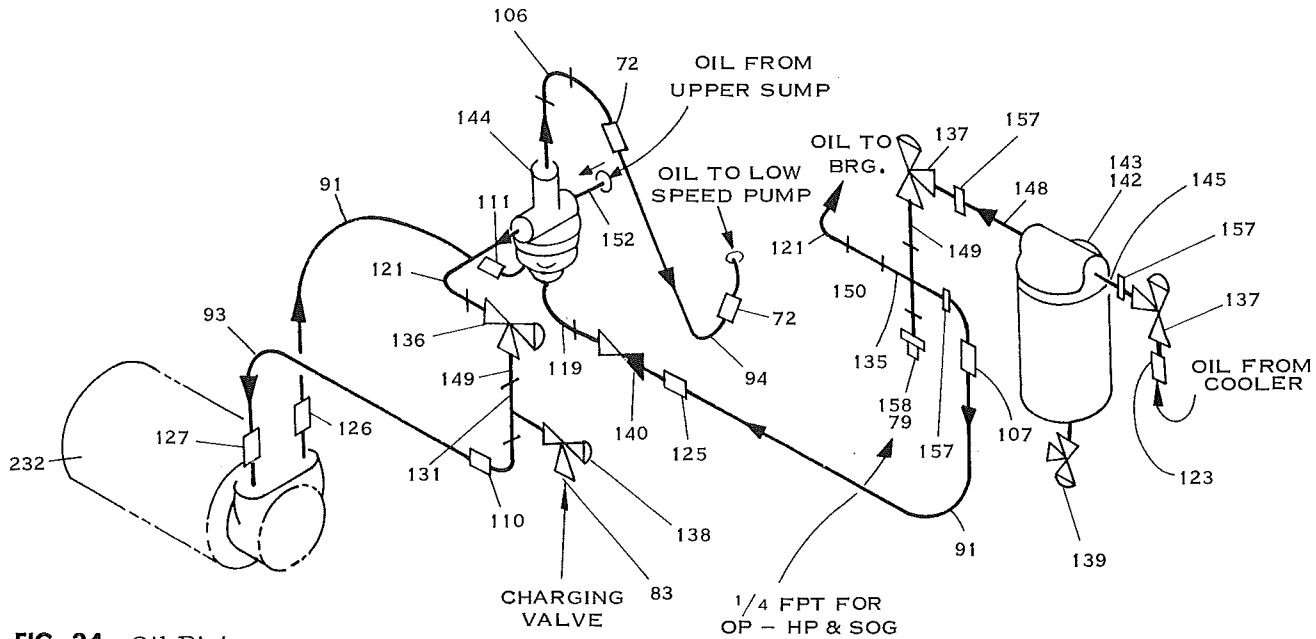


FIG. 34— Oil Piping

MODELS LTD85 AND LTD95 LINKAGE - EXTERNAL PRV ELECTRICALLY OPERATED

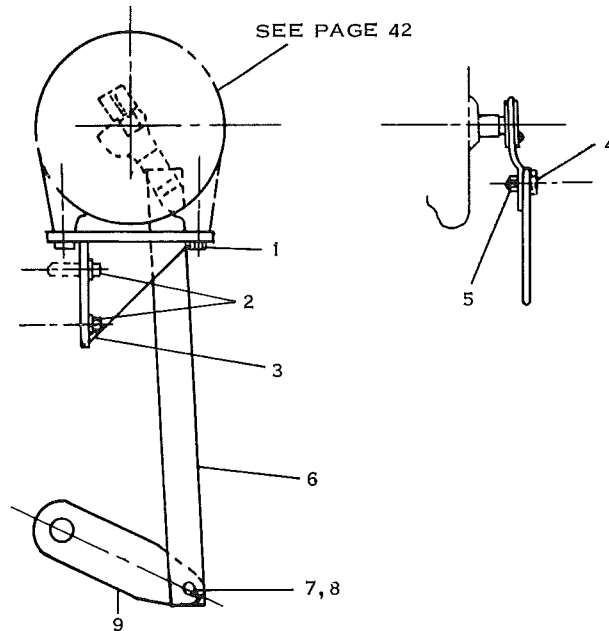


FIG. 35— Linkage External - PRV - Electrically Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	SCREW, CAP, HEX HD. 1/4 - 20UNC X 3/4 LG.	4	021-11741
2	SCREW, CAP, HEX HD. 3/8 - 16UNC X 1 LG.	3	021-11149
3	BRACKET, MOTOR MOUNTING	1	364-12886
4	BOLT SHOULDER (SPEC.)	1	064-12815
5	NUT, HEX 1/4 - 20UNC - 2B	2	021-00450
6	LINK, EXT. MOTOR	1	064-13405
7	SCREW, CAP, HEX HD. 3/8 - 16UNC X 2 LG.	1	021-11917
8	NUT, HEX 3/8 - 16UNC - 2B	2	021-00466
9	LEVER, PRV DEVICE	1	064-13421

MODELS LTD85 AND LTD95
LINKAGE - EXTERNAL PRV
AIR OPERATED

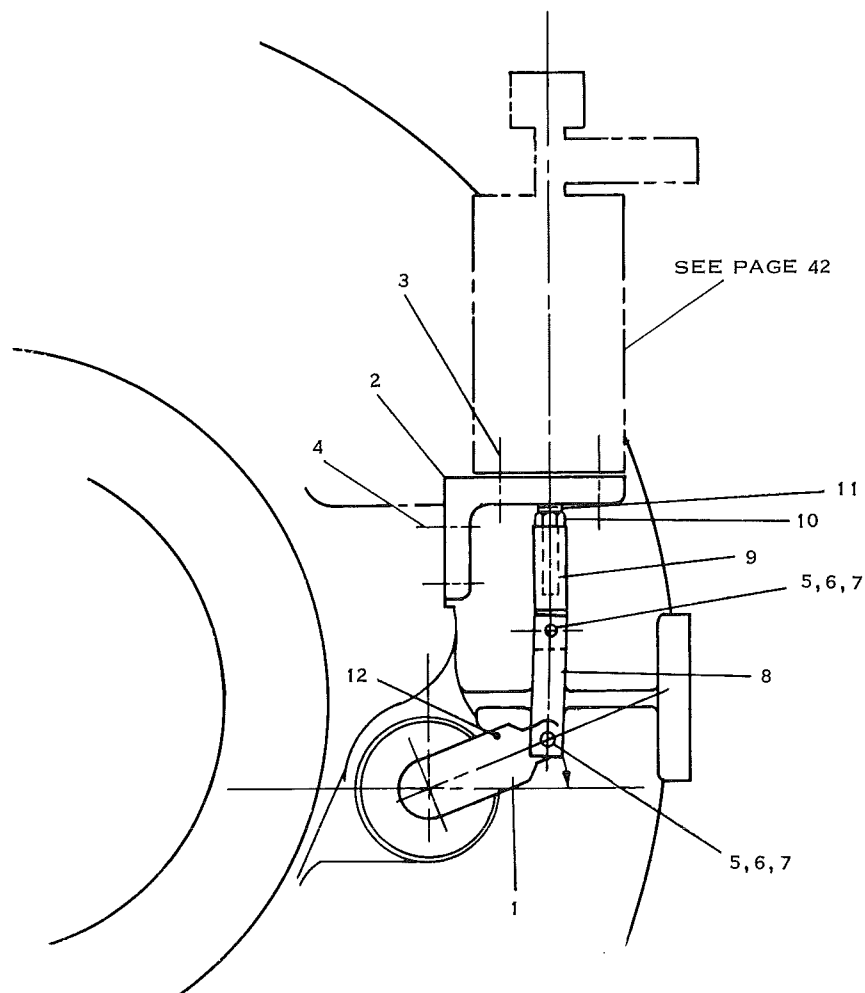


FIG. 36— Linkage External - PRV - Air Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	LEVER, PRV DEVICE	1	064-28622
2	BRACKET	1	064-28621
3	SCREW, CAP 12PT $\frac{3}{8}$ X $1\frac{1}{8}$	4	021-11148
4	SCREW, CAP 12PT $\frac{3}{8}$ X 1	3	021-11149
5	PIN, LINKAGE	2	064-07127
6	WASHER, PLAIN $1\frac{3}{32}$ I.D.	4	021-01274
7	PIN, COTTER	4	021-01083
8	LINK, EXT.	2	064-15692
9	CLEVIS, CONOMOTOR	1	064-07125
10	NUT, HEX HEAVY $\frac{5}{8}$	1	021-07787
11	WASHER, PLAIN $2\frac{1}{32}$ I.D.	7	021-01239
12	PIN, INSERT	1	029-05900

COMPRESSOR—MODELS LTD108 AND LTD120

SHAFT END VIEW

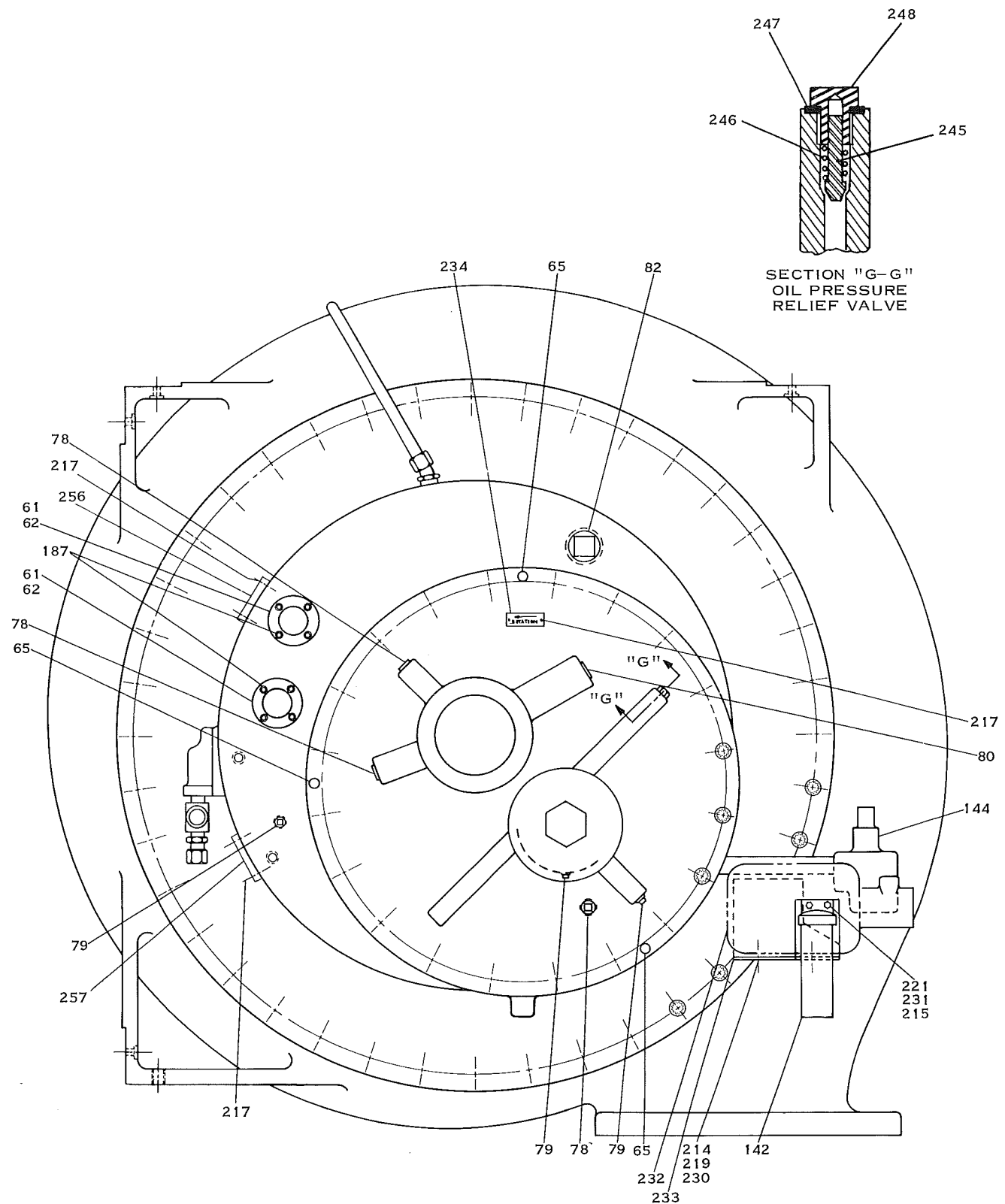
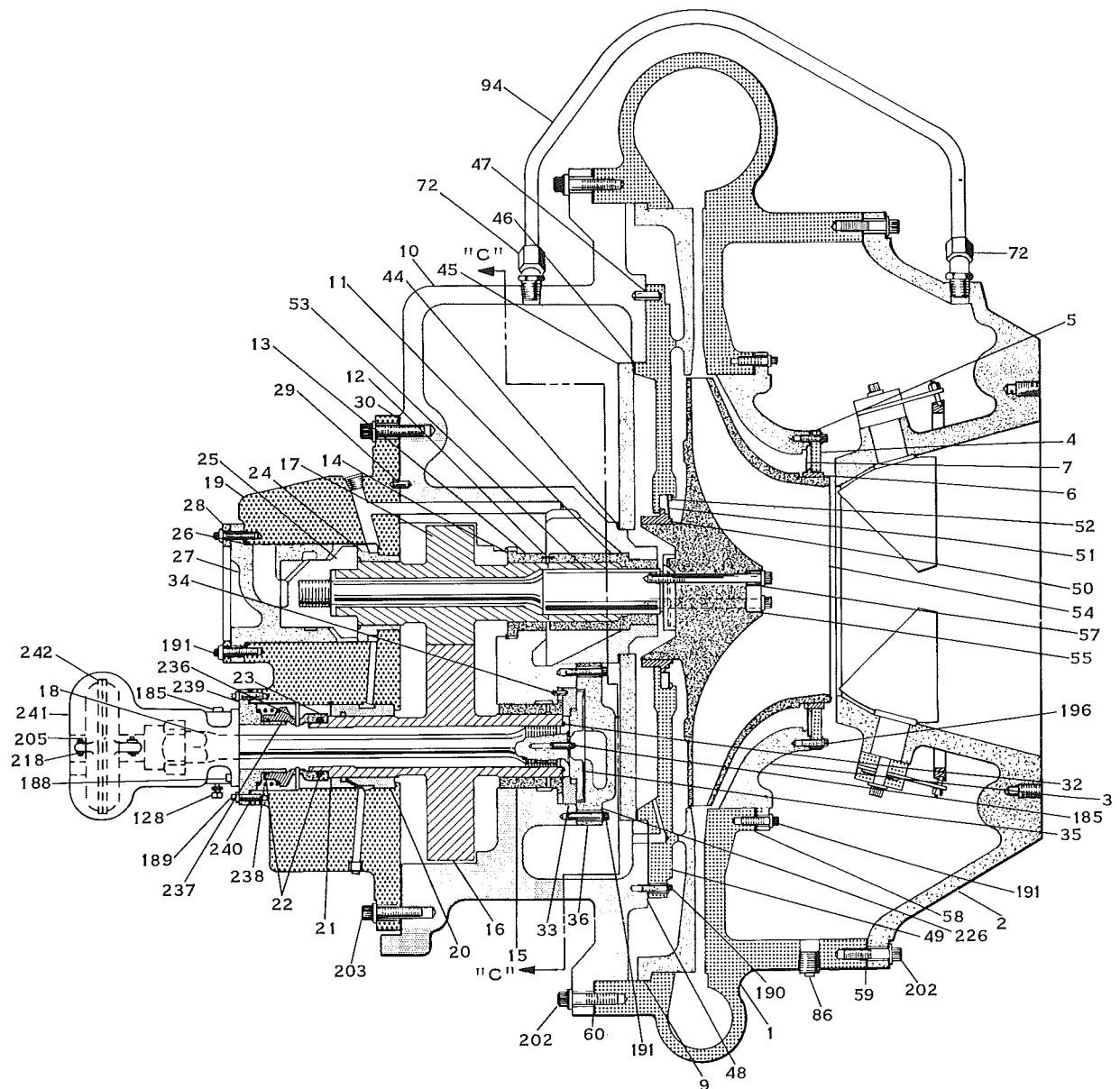


FIG. 37— Shaft End View and Cutaway View of Compressors - Models LTD108 and LTD120

COMPRESSOR—MODELS LTD108 AND LTD120

CUTAWAY VIEW



ITEM NO.	PART DESCRIPTION	60 CYCLE		50 CYCLE	
		SIZE	PART NO.	SIZE	PART NO.
241	COUPLING	1 1/2	364-22205	1 7/8 X 1 1/2	364-21794
242	COUPLING GUARD	1 1/2	064-22704	1 7/8 X 1 1/2	064-22741

FIG. 37 (CONT'D)—

COMPRESSORS—MODELS LTD108 AND LTD120

TABLE 4— VARIABLE PARTS

ITEM NO.	PART DESCRIPTION	60 & 50 CYCLE			
		LTD-108		LTD-120	
		PART NO.	QUAN.	PART NO.	QUAN.
1	ROTOR SCROLL	064-22908	1	064-22907	1
2	PREROTATION VANE ASSEMBLY	364-29002	1	364-29003	1
3	NOZZLE PLATE BASE	064-22786	1	064-22786	1
4	RETAINER, NOZZLE BASE PLATE	064-22974	1	064-22963	1
5	GASKET RETAINER TO NOZZLE BASE PLATE	★064-23002	1	★064-23010	1
6	IMPELLER SEAL RING	064-22714	1	064-22715	1
7	FLAT SPRING WASHER	064-22690	1	064-22661	1
9	DIFFUSER PLATE	064-22327	1	064-22332	1
49	OIL SEPARATOR PLATE	064-22869	1	064-22950	1
50	RING SEAL IMPELLER	064-12378-005	1	064-12378-006	1
51	FLAT SPRING WASHER	064-12438-009	1	064-12438-008	1
52	RETAINING RING, INTERNAL	064-22709	1	064-22711	1
54	IMPELLER	064-22910	1	064-22909	1
58	BASE PLATE NOZZLE GASKET	★064-22983	1	★064-23009	1

★ PARTS INCLUDED IN FIELD REPLACEMENT KIT — MODELS LTD108 & LTD120 — PART NO. 464-29630

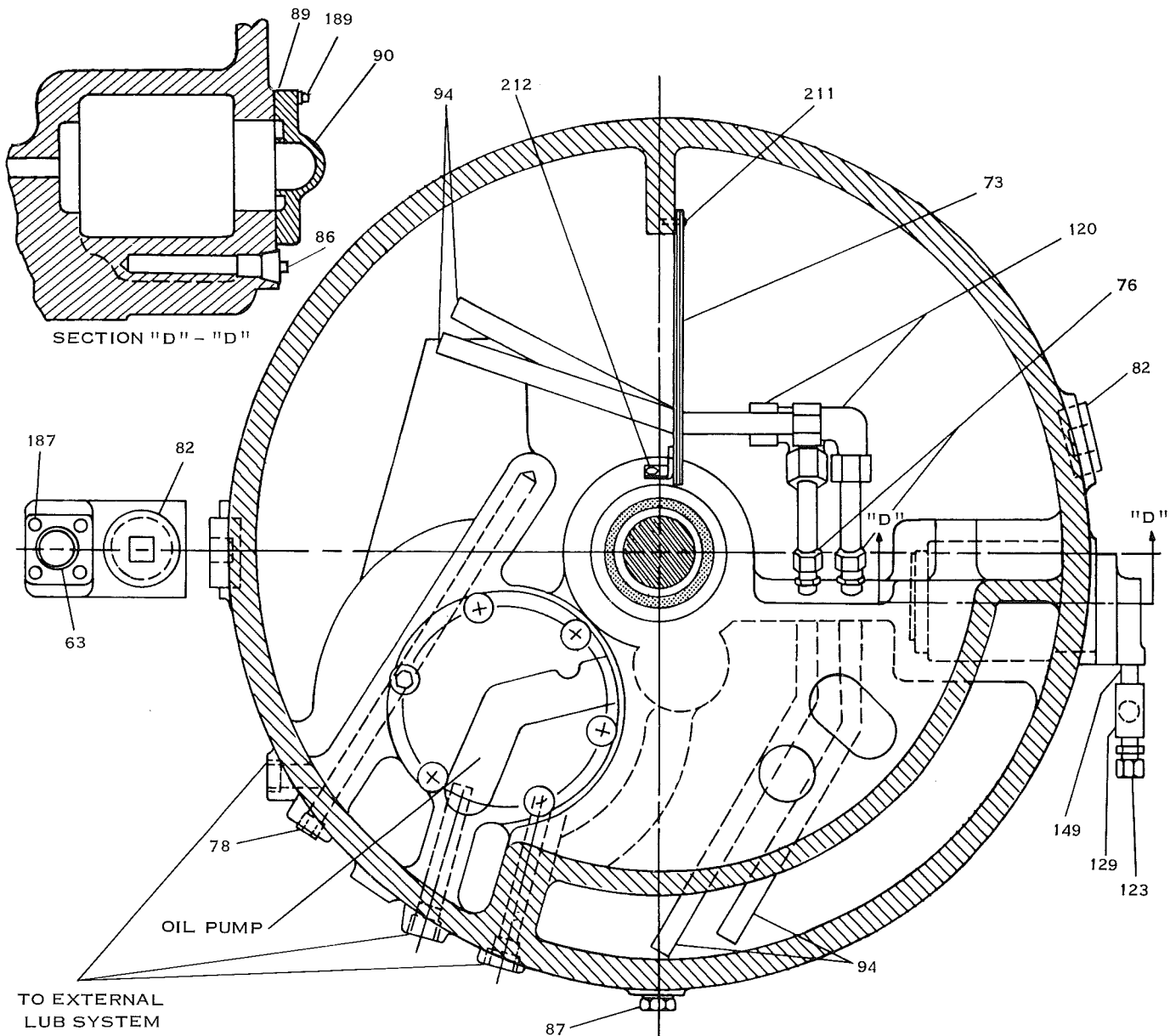


FIG. 38— Section "C"-"C" - Showing Internal Parts

COMPRESSORS—MODELS LTD108 AND LTD120

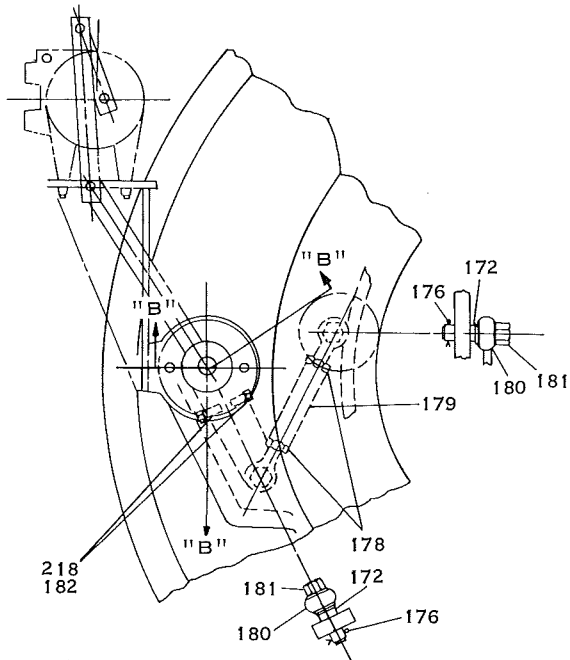


FIG. 39— PRV - Lever Adjustment Parts and Linkage (Electrically Operated)

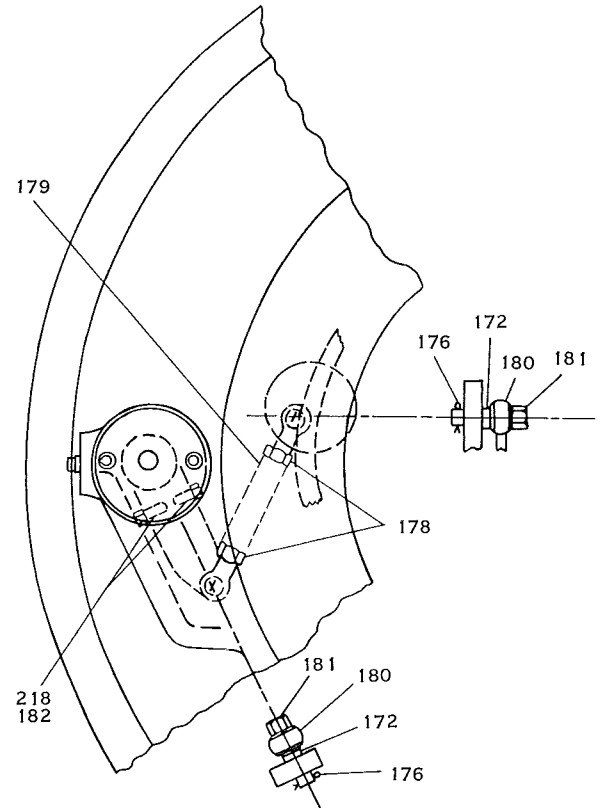


FIG. 40— PRV - Lever Adjustment Parts and Linkage (Air Operated)

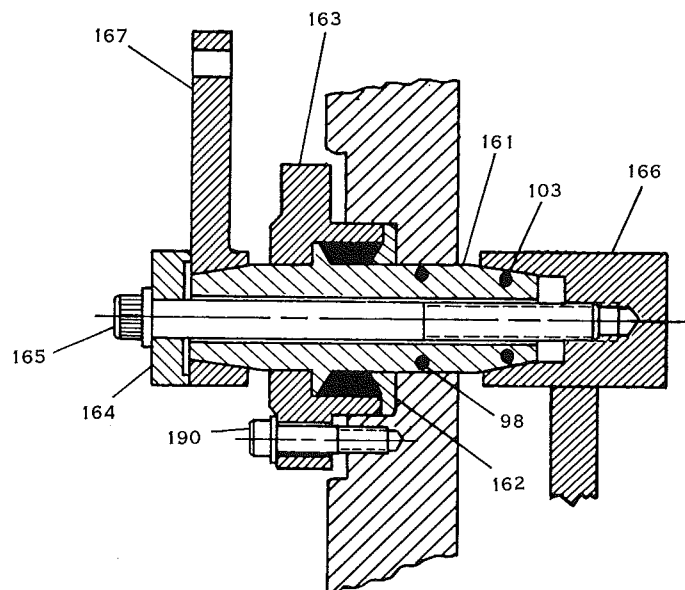


FIG. 41— Section "B"-"B" - PRV - Showing Lever and Shaft Arrangement

MODELS LTD108 AND LTD120
LINKAGE - EXTERNAL PRV
ELECTRICALLY OPERATED

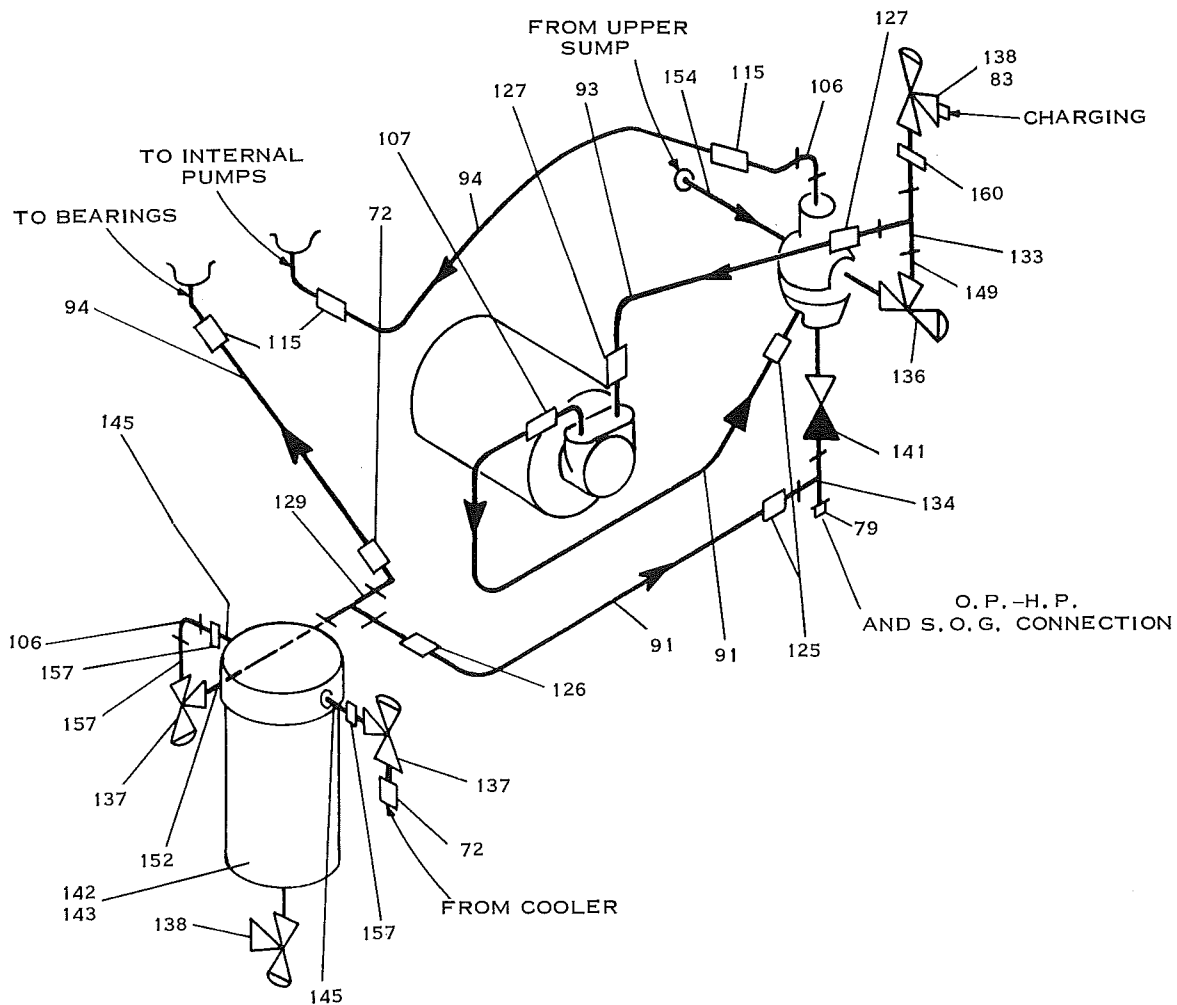
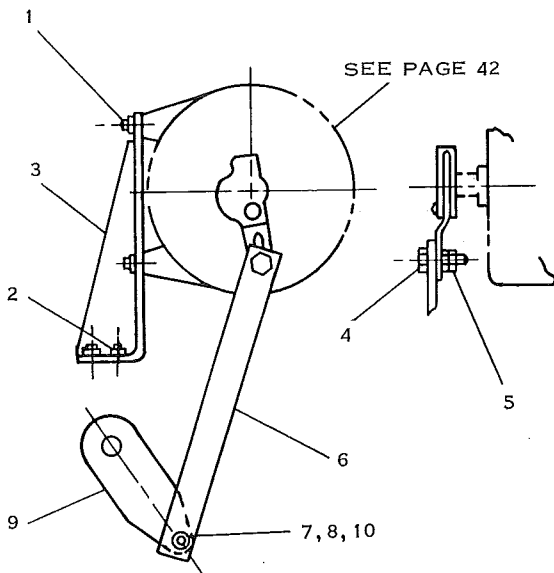


FIG. 42— Oil Piping



ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	SCREW, CAP, HEX. HD. 1/4-20UNC X 3/4 LG.	4	021-11741
2	SCREW, CAP, HEX. HD. 3/8-16 UNC X 3/4 LG.	3	021-12120
3	BRACKET, MOTOR MOUNTING	1	364-22976
4	BOLT SHOULDER (SPECIAL)	1	064-12815
5	NUT, HEX. 1/4-20UNC-2B	2	021-00450
6	LINK, EXT. MOTOR	1	064-22988
7	SCREW, CAP, HEX. HD. 3/8-16UNC X 1 3/4 LG.	1	021-11916
8	NUT, HEX. 3/8-16UNC-2B	2	021-00466
9	LEVER, PRV DEVICE	1	064-22989
10	TUBE, 1/2 O.D. X 5/16 LG.	1	064-15003

FIG. 43— Linkage External - PRV - Electrically Operated

MODELS LTD108 AND LTD120
LINKAGE - EXTERNAL PRV
AIR OPERATED

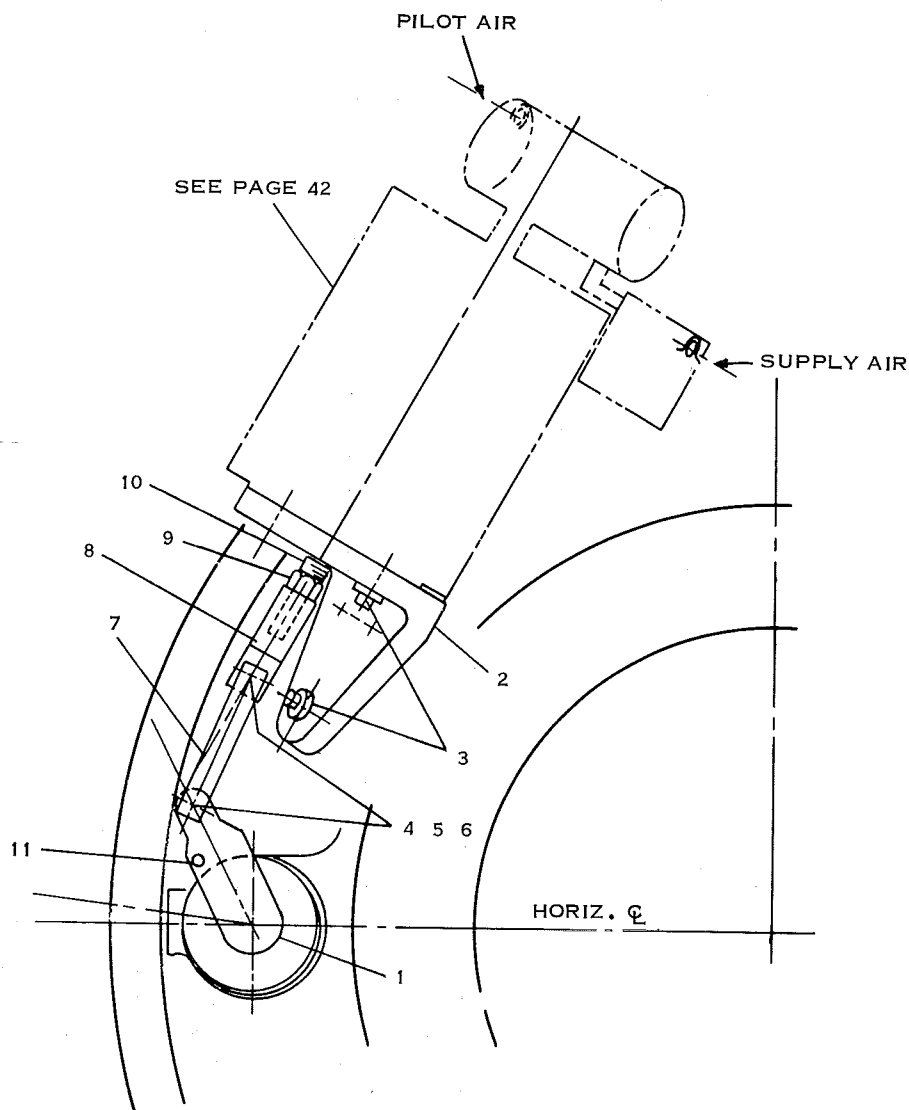
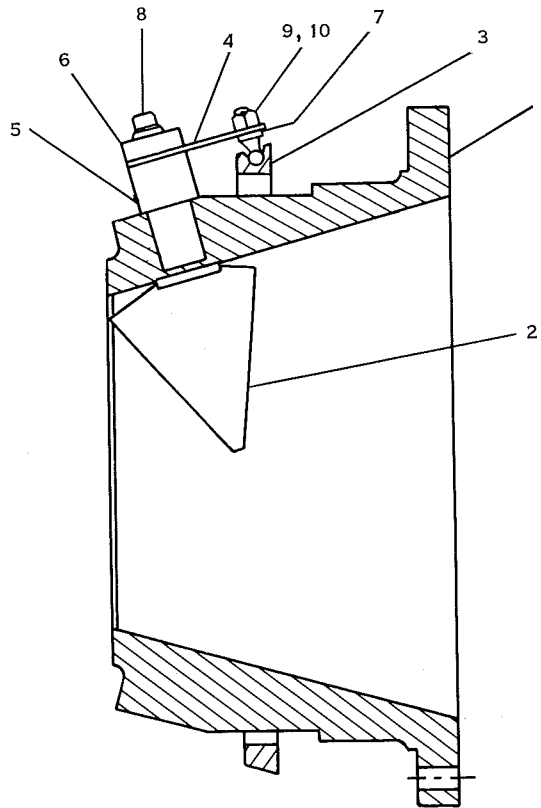


FIG. 44— Linkage External - PRV - Air Operated

ITEM	PART DESCRIPTION	QUAN.	PART NO.
1	LEVER, PRV DEVICE	1	064-28626
2	BRACKET	1	064-28625
3	SCREW, CAP 12PT $1/2 \times 1 1/2$	7	021-11933
4	PIN, LINKAGE	2	064-07127
5	WASHER, PLAIN $13/32$	4	021-01274
6	PIN, COTTER	4	021-01083
7	LINKAGE	2	064-29618
8	CLEVIS, CONOMOTOR	1	064-29619
9	NUT, HEX JAM $3/4$ UNF	1	021-00591
10	WASHER, PLAIN $13/16$	6	021-05157
11	PIN INSERT $3/32 \times 1 1/8$	1	029-05900

**MODELS OT90 THRU OT350
PREROTATION VANE HOUSING**

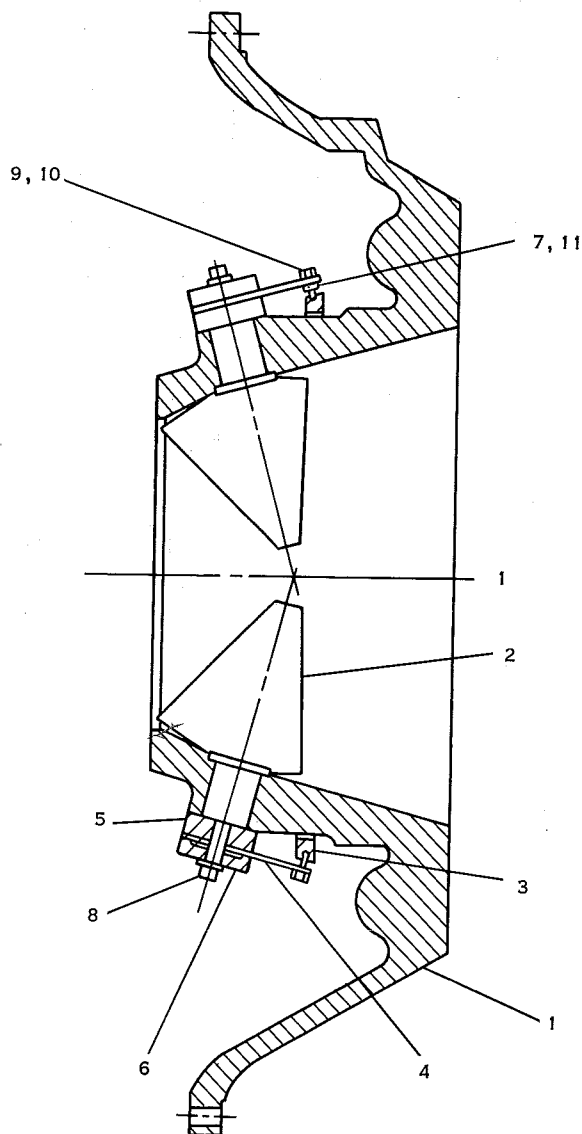


ITEM	PART DESCRIPTION	MODELS					
		LTD - 53		LTD - 59		LTD - 67	
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.
1	HOUSING, PRE-ROTATION	064-14519	1	064-14520	1	064-13486	1
2	VANE, PRE-ROTATION	064-09285	9	064-09285	9	064-10618	9
3	RING, VANE DRIVING	064-09286	1	064-09286	1	064-10815	1
4	ARM, VANE	064-09291	9	064-09291	9	064-10818	9
5	WASHER	064-09290	9	064-09290	9	064-10819	9
6	WASHER - SPECIAL	064-09289	9	064-09289	9	064-09289	9
7	WASHER	021-11973	10	021-11973	10	021-11973	10
8	SCREW, CAP 12PT. HD. $\frac{3}{8}$ -24UNF X 2 LG.	021-11742	9	021-11742	9	021-11956	9
9	SCREW, BALL	029-07017	9	029-07017	9	029-07017	9
10	NUT, HEX, $\frac{1}{4}$ -28UNF 33	021-12943	9	021-12943	9	021-12943	9

ITEM	PART DESCRIPTION	MODELS					
		LTD - 76		LTD - 85		LTD - 95	
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.
1	HOUSING, PRE-ROTATION	064-13485	1	064-13481	1	064-13482	1
2	VANE, PRE-ROTATION	064-10618	9	064-08822	8	064-08822	8
3	RING, VANE DRIVING	064-10815	1	064-08813	1	064-08813	1
4	ARM, VANE	064-10818	9	064-08814	8	064-08814	8
5	WASHER	064-10819	9	064-09061	8	064-09061	8
6	WASHER - SPECIAL	064-09289	9	064-08815	8	064-08815	8
7	WASHER	021-11973	10	021-11973	10	021-11973	10
8	SCREW, CAP 12PT. HD. $\frac{3}{8}$ -24UNF X 2 LG.	021-11956	9	021-11743	8	021-11743	8
9	SCREW, BALL	029-07017	9	029-07017	8	029-07017	8
10	NUT, HEX, $\frac{1}{4}$ -28UNF 33	021-12943	9	021-12943	8	021-12943	8

FIG. 45 — Prerotation Vane Assembly LTD53 thru LTD95

**MODELS OT390 THRU OT600
PREROTATION VANE HOUSING**



ITEM	PART DESCRIPTION	MODELS			
		LTD - 108		LTD - 120	
		PART NO.	QUAN.	PART NO.	QUAN.
1	HOUSING, PRE-ROTATION	064-22971	1	064-22972	1
2	VANE, PRE-ROTATION	064-22767	8	064-22767	8
3	RING, VANE DRIVING	064-22727	1	064-22727	1
4	ARM, VANE	064-22658	8	064-22658	8
5	WASHER	064-22660	8	064-22660	8
6	WASHER, SPECIAL	064-22659	8	064-22659	8
7	WASHER	021-11973	10	021-11973	10
8	SCREW, CAP	021-12347	8	021-12347	8
9	SCREW, BALL	029-07017	8	029-07017	8
10	NUT, HEX 1/4-28UNF 3B	021-12943	8	021-12943	8
11	WASHER	021-10189	16	021-10189	16

FIG. 46— Prerotation Vane Assembly LTD108 and LTD120

TABLE 5— COMPRESSOR TOOLS

TOOL DESCRIPTION	COMPRESSOR - TOOL PART NO.					
	LTD 53	LTD 59	LTD 67	LTD 76	LTD 85	LTD 85 (1 1/2 X 1 1/4 COUPLING)
COMPLETE TOOL KIT	464-18722	464-18722	464-18723	464-18723	464-18724	464-24521
WRENCH, FOR HOLDING COMPR. SHAFT	(2) 364-06619	(2) 364-06619	(2) 364-06619	(2) 364-06619	(2) 364-06619	(1) 364-06619 (1) 364-16731
WRENCH, FOR REMOVAL OF HIGH SPEED OIL PUMP CONSISTING OF: TOOL, OIL PUMP PINS BAR-WRENCH HANDLE	064-17324 (2) 064-20376 064-13583	064-17324 (2) 064-20376 064-13583	064-17301 (2) 064-20376 064-13583	064-17301 (2) 064-20376 064-13583	064-21481 (2) 064-20376 064-21534	064-21481 (2) 064-20376 064-21534
EYEBOLTS, 3/4" X 7/8"	(1) 021-00307	(1) 021-00307	(1) 021-00307	(1) 021-00307	(1) 021-00307	(1) 021-00307
GUIDE STUDS, 5/8" X 7 1/2" LG.	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798
PIN, 3/8" X 7 1/2" LG.	064-18716	064-18716	064-18716	064-18716	064-18716	064-18716
STUD, PRV REMOVAL AND	064-14500	064-14500	064-14500	064-14500	064-14500	064-14500
TWO NUTS, 1/2 - 20 - UNF	(2) 021-00483	(2) 021-00483	(2) 021-00483	(2) 021-00483	(2) 021-00483	(2) 021-00483
BAR, 1/2" DIA. X 7" LG.	064-17327	064-17327	064-17327	064-17327	064-17327	064-17327
BAR, HEX FOR H. S. SHAFT	—	—	—	—	—	064-28204
NUT, HEX, 3/4" - 10 UNC - 2B	—	—	—	—	—	—
WASHER, PLAIN 13/16" I.D. X 2" DIA.	—	—	—	—	—	—
THREAD, COMPOUND	464-14934	464-14934	464-14934	464-14934	464-14934	464-14934
SCREW, SET HEX, SOCKET 1/2 - 20 UNF X 1" LG.	—	—	—	—	—	—

TABLE 5 (CONT'D)— COMPRESSOR TOOLS

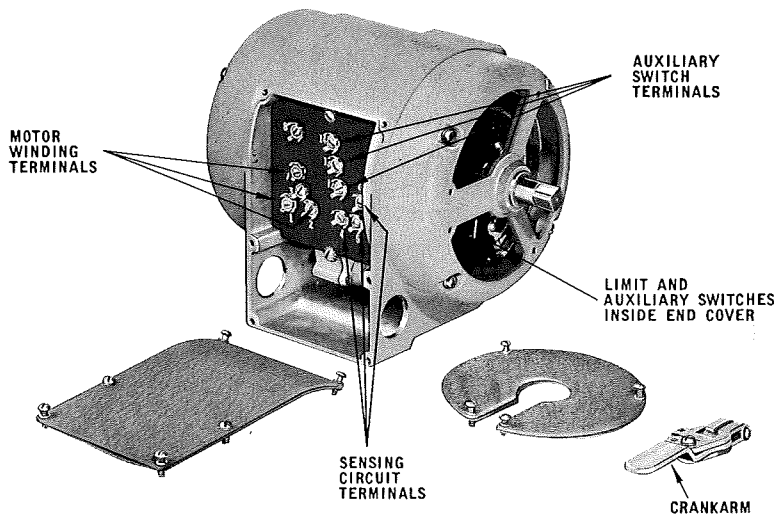
TOOL DESCRIPTION	COMPRESSOR — TOOL PART NO.					
	LTD 95	LTD 95 (1 1/2 X 1 1/4 COUPLING)	LTD 108	LTD 108 (1 7/8 X 1 1/2 COUPLING)	LTD 120	LTD 120 (1 7/8 X 1 1/2 COUPLING)
COMPLETE TOOL KIT	464-18724	464-24521	464-25730	464-25753	464-25730	464-25753
WRENCH, FOR HOLDING COMPR. SHAFT	(2) 364-06619	(1) 364-06619 (1) 364-16731	364-16731	364-16731	364-16731	364-16731
WRENCH, FOR REMOVAL OF HIGH SPEED OIL PUMP CONSISTING OF: TOOL, OIL PUMP PINS BAR-WRENCH HANDLE	064-21481 (2) 064-20376 064-13584	064-21481 (2) 064-20376 064-13584	064-25581 (4) 064-20376 064-13583	064-25581 (4) 064-20376 064-13583	064-25581 (4) 064-20376 064-13583	064-25581 (4) 064-20376 064-13583
EYEBOLTS, 3/4" 7/8"	(1) 021-00307	(1) 021-00307	(2) 021-00307 (2) 021-07703	(2) 021-00307 (2) 021-07703	(2) 021-00307 (2) 021-07703	(2) 021-00307 (2) 021-07703
GUIDE STUDS, 5/8" X 7 1/2" LG.	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798	(3) 064-06798
PIN, 3/8" X 7 1/2" LG.	064-18716	064-18716	064-18716	064-18716	064-18716	064-18716
STUD, PRV REMOVAL AND TWO NUTS, 1/2 - 20 - UNF	064-14500 (2) 021-00483	064-14500 (2) 021-00483	064-14500 (2) 021-00483	064-14500 (2) 021-00483	064-14500 (2) 021-00483	064-14500 (2) 021-00483
BAR, 1/2" DIA. X 7" LG.	064-17327	064-17327	—	—	—	—
BAR, HEX FOR H. S. SHAFT	064-28204	064-28204	064-17715	064-17715	064-17715	064-17715
THREAD, COMPOUND	464-14934	464-14934	464-14934	464-14934	464-14934	464-14934
SCREW, SET HEX, SOCKET 1/2 - 20 UNF X 1" LG.	—	—	(4) 021-12234	(4) 021-12234	(4) 021-12234	(4) 021-12234

TABLE 6 — TOOLS

DESCRIPTION	PART NO.
PLIERS, WALDLES TRUARC. NO. 5	029-08590
PLIERS, WALDLES TRUARC. NO. 7	029-07934
HAND OIL PUMP	070-10654
HAND OIL PUMP SEAL	026-10904

TABLE 7 — LUBRICANTS, OILS AND COMPOUNDS

DESCRIPTION	PART NO.
THREAD COMPOUND, ARI HIGH PRESSURE - 1/4 PT. CAN	464-14934
COATING LUBRICANT - MOLYKOTE, TYPE Z - 2 OZ. CAN	364-21508
OIL, YORK REFRIGERATION - TYPE B, - 5 GAL. CAN	011-00309



PRV - ELECTRIC - MOTOR ACTUATORS

COMPR. MODEL	PART NO.	QUAN.
LTD53 LTD59	024-14589	1
LTD67 LTD76 LTD85 LTD95 LTD108 LTD120	025-09360	1

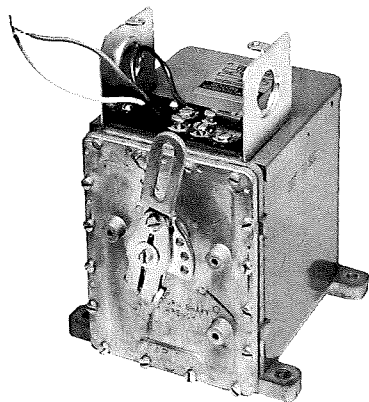
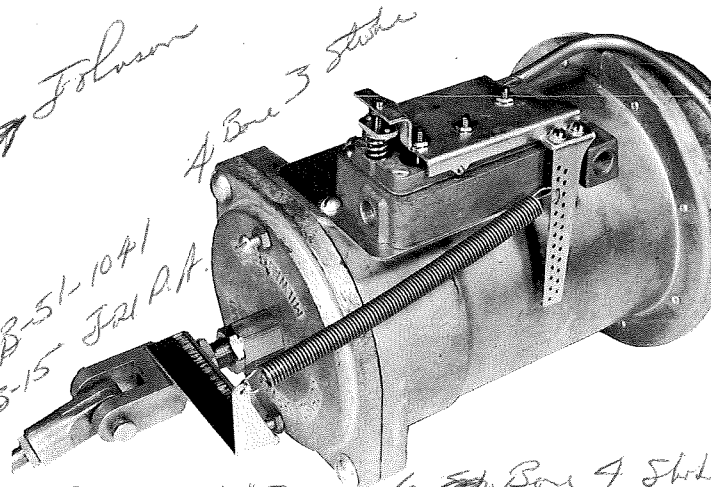


FIG. 47 — Electric Motor Actuators

JOHNSON SERVICE

PRV - AIR OPERATED (PNEUMATIC) - POSITIONER

COMPR. MODEL	PART NO.	QUAN.
LTD53 LTD59 LTD67 LTD76	024-09599	1
LTD85 LTD95	024-09425	1
LTD108 LTD120	024-07708	1



(024-07082) - B-51-1041
4 Bow 3 Stroke 3-15 psi
J-22 R.A.

CONOFLOW

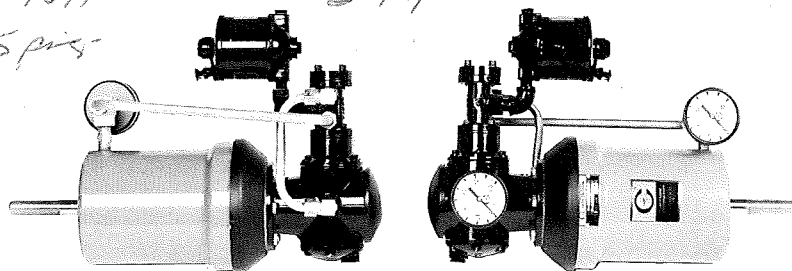


FIG. 48 — PRV - Air Operated (Pneumatic) - Positioner

AUXILIARY OIL PUMPS

DESCRIPTION	PART NO.	REPLACEMENT SEAL ASSEMBLY
60 CYCLE	026-09306	026-10904
50 CYCLE	026-13605	

*New Seal Kit For New Turbopack
026-17840*

*Seal - 24PT-7010
O-Ring - R701-34
Sprocket
Washer - 02506
Seal for
Slave - A3029-A*

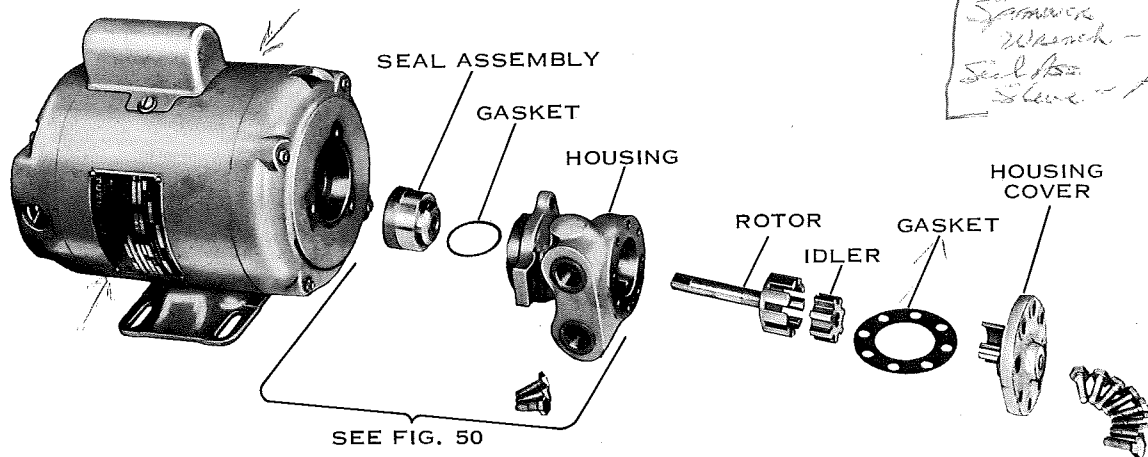
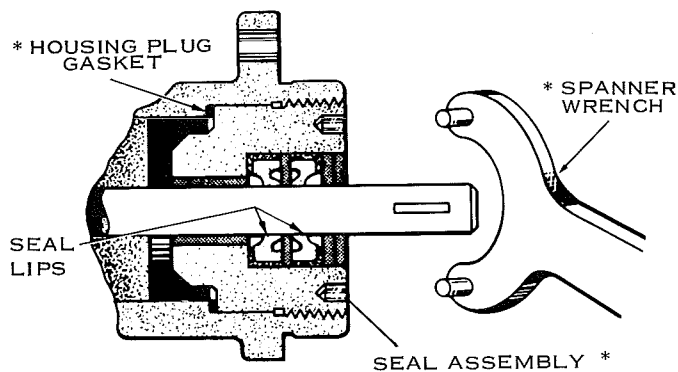


FIG. 49— Exploded View of Auxiliary Oil Pump

TABLE 8— OIL HEATERS

COMPR. MODEL	DESCRIPTION	PART NO.	QUAN.
LTD53 LTD59	285 WATT-120 VOLT	025-09450	1
LTD67 LTD76 LTD85 LTD95 LTD108 LTD120	285 WATT-120 VOLT	025-09450	2



* PARTS INCLUDED IN REPLACEMENT SEAL ASSEMBLY

FIG. 50— Seal Assembly

TABLE 9— FLOAT SWITCHES

COMPR. MODEL	PART NO.	QUAN.
LTD53 LTD59 LTD67 LTD76 LTD85 LTD95 LTD108 LTD120	025-10017	1

TABLE 10— HIGH OIL TEMP. CONTROL (HOT)

COMPR. MODEL	PART NO.	QUAN.
LTD53 LTD59	025-15381-003	1
LTD67 LTD76 LTD85 LTD95 LTD108 LTD120	025-15381-001	1

COOLERS AND CONDENSERS

OT 90 - OT130

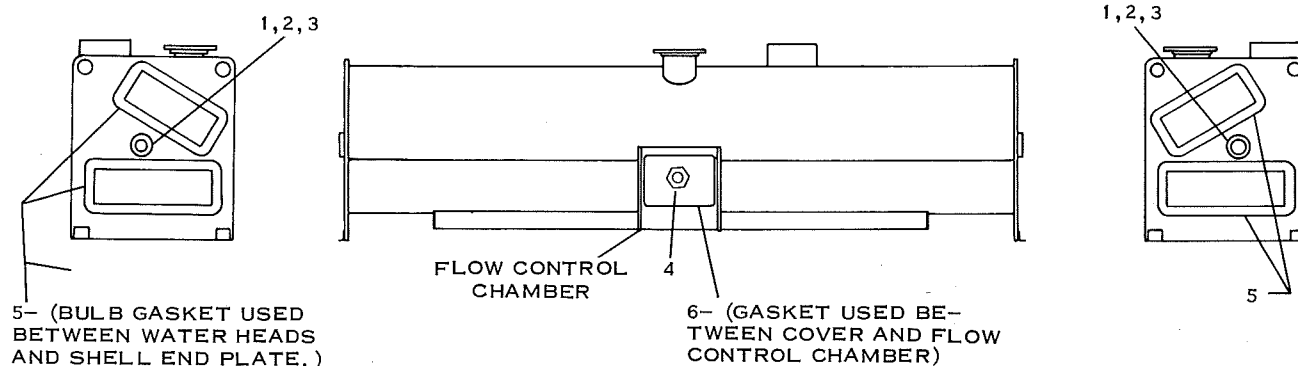


FIG. 51— Cooler Condenser Shell - OT90 - OT130

OT150 - OT350

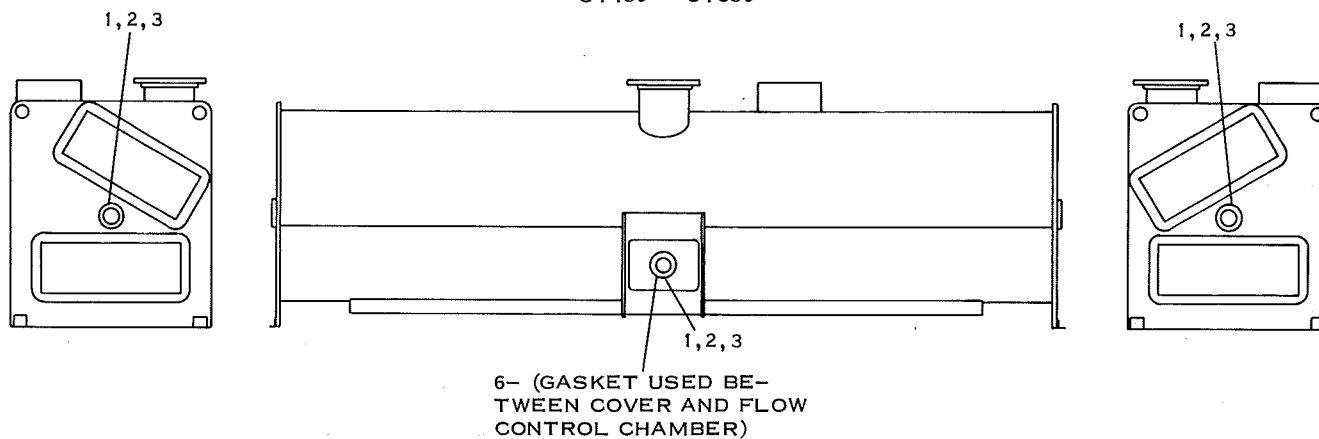


FIG. 52— Cooler Condenser Shell - OT150 thru OT350

OT390 - OT600

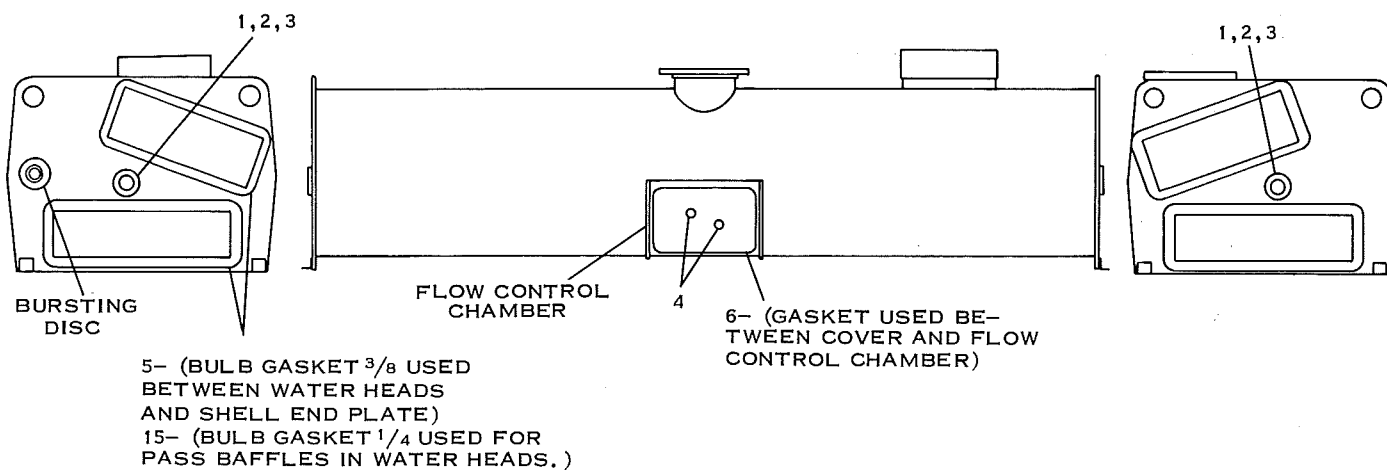


FIG. 53— Cooler Condenser Shell - OT390 thru OT600

ITEM	PART DESCRIPTION	MODELS											
		OT 90 THRU OT 130			OT 150 THRU OT 230			OT 260 THRU OT 350			OT 390 THRU OT 600		
		PART NO.	QUAN.	FIG.	PART NO.	QUAN.	FIG.	PART NO.	QUAN.	FIG.	PART NO.	QUAN.	FIG.
1	GLASS, SIGHT 4"	026-09608	2	51	026-09608	3	52	026-09608	3	52	026-09608	2	53
2	GLAND, SIGHT GLASS 4"	067-27590	2	51	067-27590	3	52	067-27590	3	52	067-27590	2	53
3	GASKET, SIGHT GLASS 4"	070-16406	4	51	070-16406	6	52	070-16406	6	52	070-16406	4	53
4	GLASS, SIGHT - 1 1/2"	026-14298	1	51	—	—	—	—	—	—	026-14298	2	53
5	GASKET, BULB 3/8	028-03242	*	51	028-03242	*	52	028-03242	*	52	028-03242	*	53
6	GASKET FLOAT CHAMBER	067-77587	1	—	067-77587	1	52	067-77587	1	52	028-08016	1	53
7	FLOAT VALVE	—	—	—	367-77632	2	54	367-77632	2	54	367-78820	1	54
8	STEM ADJUSTER	—	—	—	067-35393	1	54	067-35393	1	54	067-35393	1	54
9	WASHER PACKING	—	—	—	068-00050	2	54	068-00050	2	54	068-00050	2	54
10	PACKING STEM	—	—	—	028-01100	1	54	028-01100	1	54	028-01100	1	54
11	NUT PACKING	—	—	—	068-00045	1	54	068-00045	1	54	068-00045	1	54
12	GASKET	—	—	—	028-01054	1	54	028-01054	1	54	028-01054	1	54
13	CAP VALVE	—	—	—	068-00034	1	54	068-00034	1	54	068-00034	1	54
14	FLOW RESTRICTOR	SEE TABLE 12	1	56	—	—	—	—	—	—	—	—	—
15	GASKET BULB 1/4"	SEE TABLE 11	—	—	—	—	—	—	—	—	028-07154	6 FT.	53

* TABLE 11— BULB GASKET - 028-03242 -
QUAN. PER UNIT

MODELS - OT	QUAN.
90 THRU 130	24 FT.
150 THRU 170	22 FT.
200 THRU 230	26 FT.
260	27 FT.
290	28 FT.
320	29 FT.
350	31 FT.
390 THRU 430	34 FT.
470 THRU 510	36 FT.
560 THRU 600	39 FT.

TABLE 12 — FLOW RESTRICTOR PLATES

MODELS-OT	PART NO.
90	066-14776-001
100	066-14776-002
110	066-14776-003
120	066-14776-004
130	066-14776-005

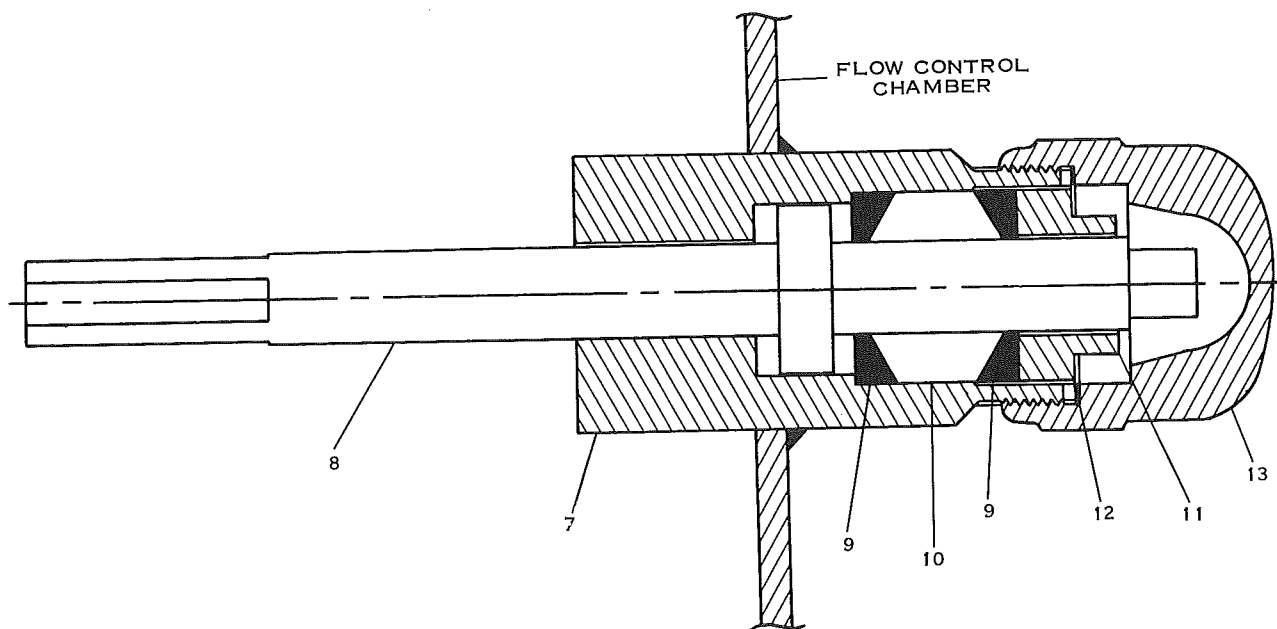
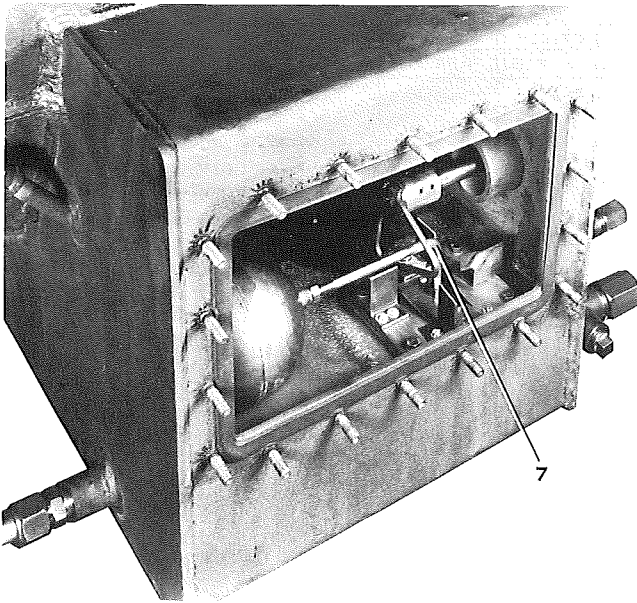
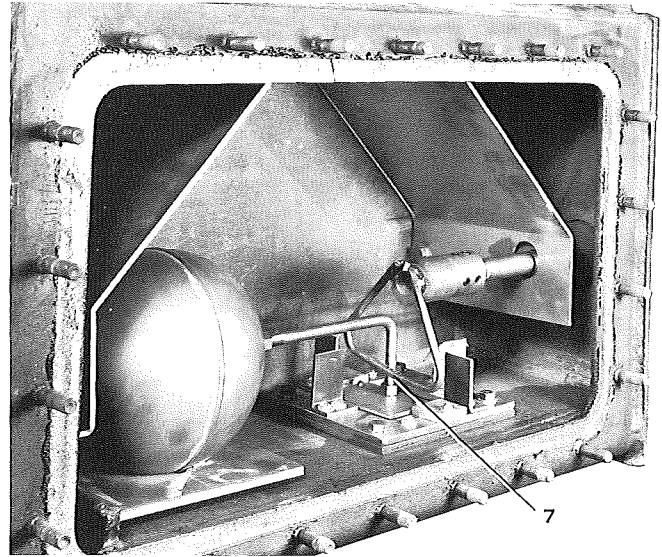


FIG. 54— Float Valve Adjuster - Models OT150 thru OT600



MODELS OT150 THRU OT350



MODELS OT390 THRU OT600

FIG. 55— Flow Control Chamber - With Float Valve

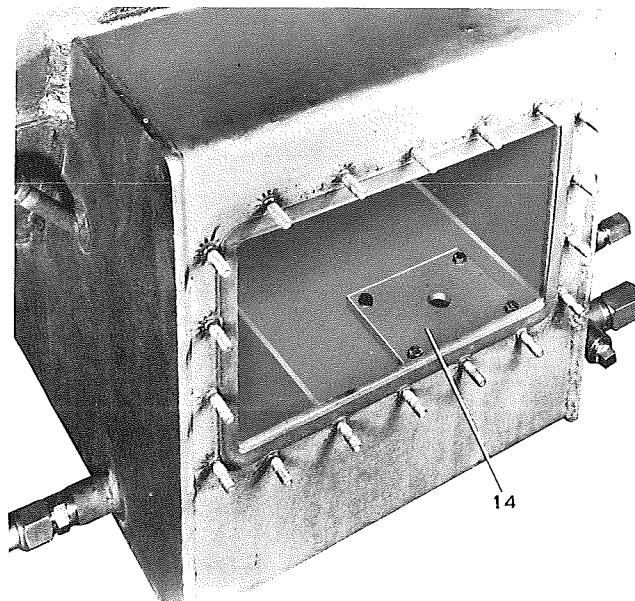


FIG. 56— Flow Control Chamber - With Restrictor Plate - Model OT90 thru OT130

SHELL TUBES

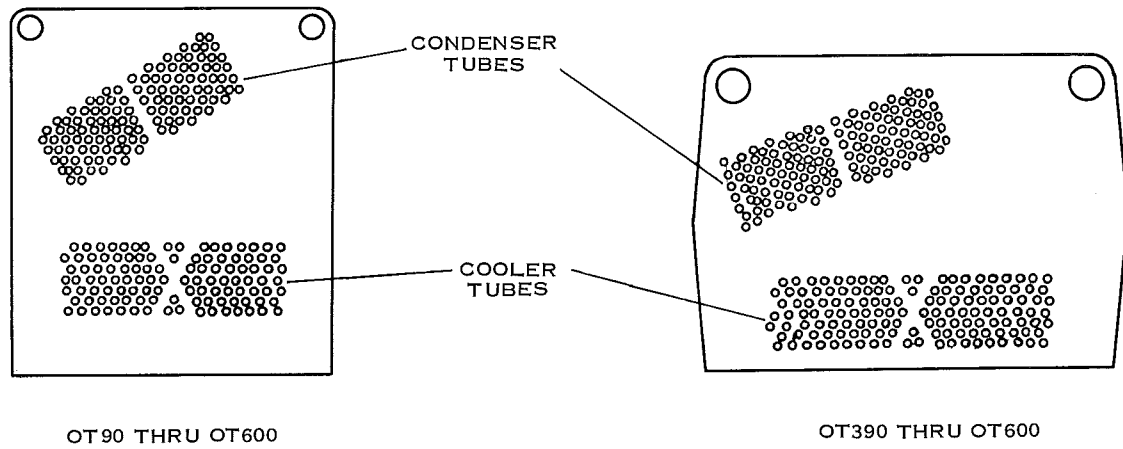


FIG. 57— Cooler and Condenser Tubes

MODELS	TUBE CONDENSER PART NO. 007-05930 QUAN. PER SHELL	TUBE COOLER PART NO. 007-05931 QUAN. PER SHELL	TUBE CONDENSER PART NO. 007-02796 QUAN. PER SHELL	TUBE COOLER PART NO. 007-04637 QUAN. PER SHELL	TUBE COOLER PART NO. 007-05804 QUAN. PER SHELL
OT 90	78	80	—	—	—
OT 100	86	88	—	—	—
OT 110	94	98	—	—	—
OT 120	102	108	—	—	—
OT 130	112	116	—	—	—
OT 150	—	—	120	106	—
OT 170	—	—	136	118	—
OT 200	—	—	160	142	—
OT 230	—	—	184	163	—
OT 260	—	—	210	188	—
OT 290	—	—	232	211	—
OT 320	—	—	258	230	—
OT 350	—	—	234	313	—
OT 390	—	—	314	—	276
OT 430	—	—	347	—	304
OT 470	—	—	378	—	332
OT 510	—	—	408	—	360
OT 560	—	—	450	—	396
OT 600	—	—	492	—	430

PURGE UNIT

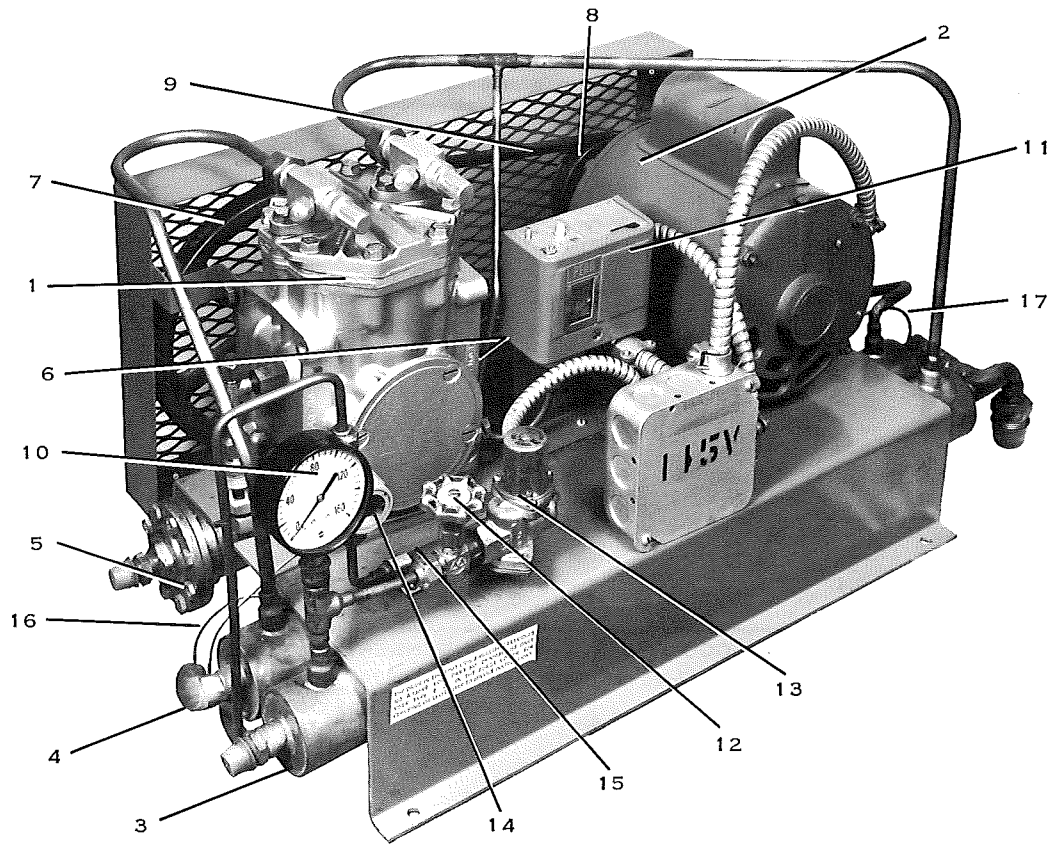


FIG. 58 — Purge Unit - 1967 Design

ITEM	PART DESCRIPTION	QUAN.	PART NUMBER	PART NUMBER
			115- 1-60	115- 1-50
1	COMPRESSOR	1	367-74340	367-74340
2	MOTOR, 1/2 HP	1	024-07055	024-09617
3	PURGE DRUM SHELL	1	026-10928	026-10928
4	CONCENTRATOR SHELL	1	026-10928	026-10928
5	CARTRIDGE, DEHYDRATOR	2	026-10931	026-10931
6	HEATER	1	025-14325	025-14325
7	PULLEY	1	028-05492	028-05492
8	PULLEY	1	028-05493	028-06939
9	V-BELT 4L430	1	028-06097	—
	4L440	1	—	028-05251
10	PRESSURE GAUGE	1	026-10558	026-10558
11	CONTROL, H.P. CUTOUT	1	025-10738	025-10738
12	VALVE, CHECK STRAIGHT THRU	1	022-02923	022-02923
13	VALVE, SOLENOID	1	025-10401	025-10401
14	INDICATOR, MOISTURE	1	026-11780	026-11780
15	STRAINER, CAPILLARY	1	029-04935	029-04935
16	TUBE, RESTRICTOR	1	067-39968	067-39968
17	TUBE, RESTRICTOR	1	067-40561	067-40561

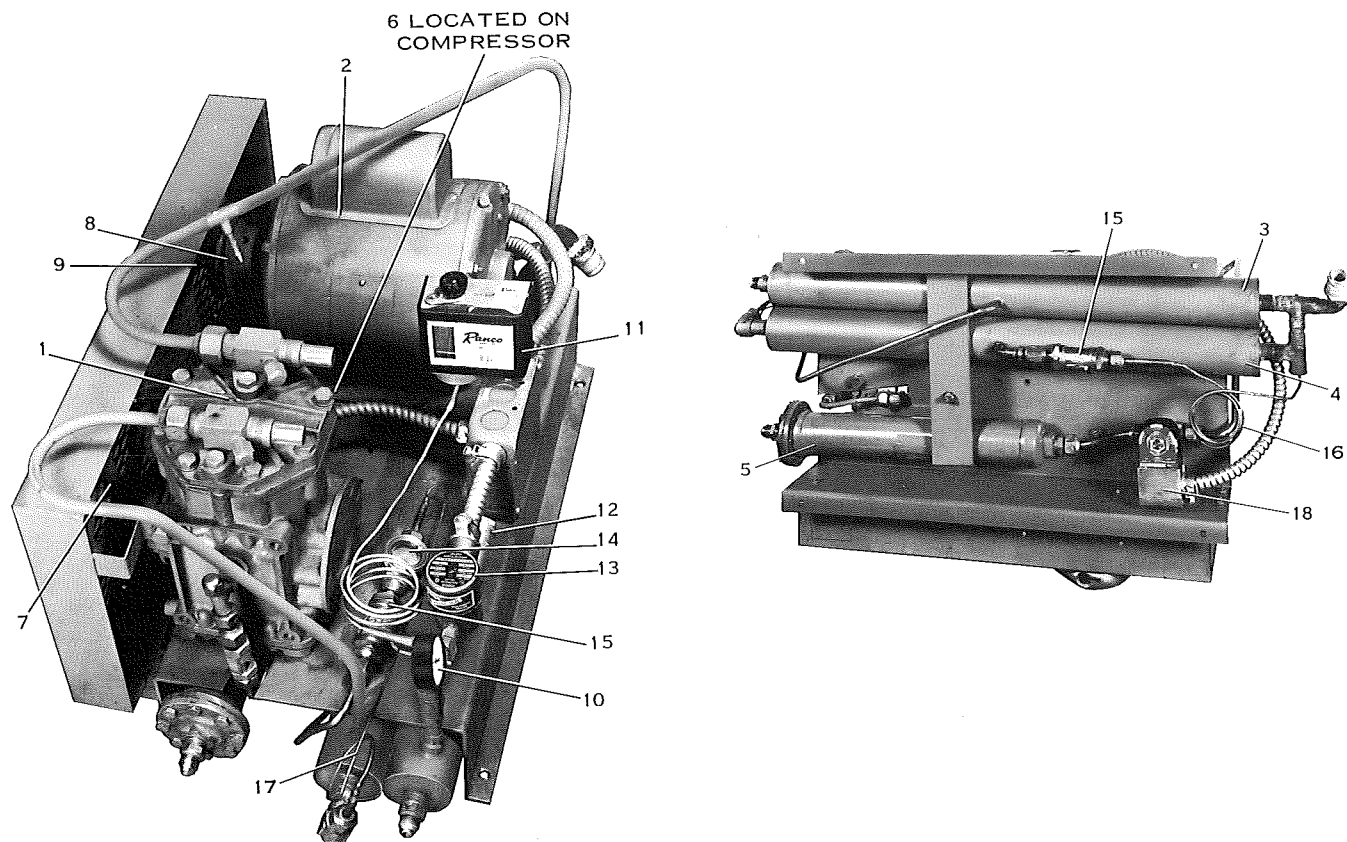


FIG. 59— Purge Unit - 1969 Design

ITEM	PART DESCRIPTION	QUAN.	PART NUMBER	PART NUMBER
			115-1-60	115-1-50
1	COMPRESSOR	1	367-74340	367-74340
2	MOTOR, 1/2 HP	1	024-07055	024-09617
3	PURGE DRUM SHELL	1	026-10928	026-10928
4	CONCENTRATOR SHELL	1	026-10928	026-10928
5	CARTRIDGE, DEHYDRATOR	2	026-10931	026-10931
6	HEATER	1	025-14325	025-14325
7	PULLEY	1	028-05492	028-05492
8	PULLEY	1	028-05493	028-06939
9	V-BELT 4L430	1	028-06097	
	4L440	1		028-05251
10	PRESSURE GAUGE	1	026-10558	026-10558
11	CONTROL, H.P. CUTOFF	1	025-16480	025-16480
12	VALVE, CHECK STRAIGHT THRU	1	022-03571	022-03571
13	VALVE, SOLENOID (EXHAUST)	1	025-16479	025-16479
14	INDICATOR, LIQUID	1	026-16863	026-16863
15	STRAINER, CAPILLARY	2	029-13653	029-13653
16	TUBE, RESTRICTOR	1	066-25465	066-25465
17	TUBE, RESTRICTOR	1	066-25464	066-25464
18	VALVE, SOLENOID (INLET)	1	025-16478	025-16478

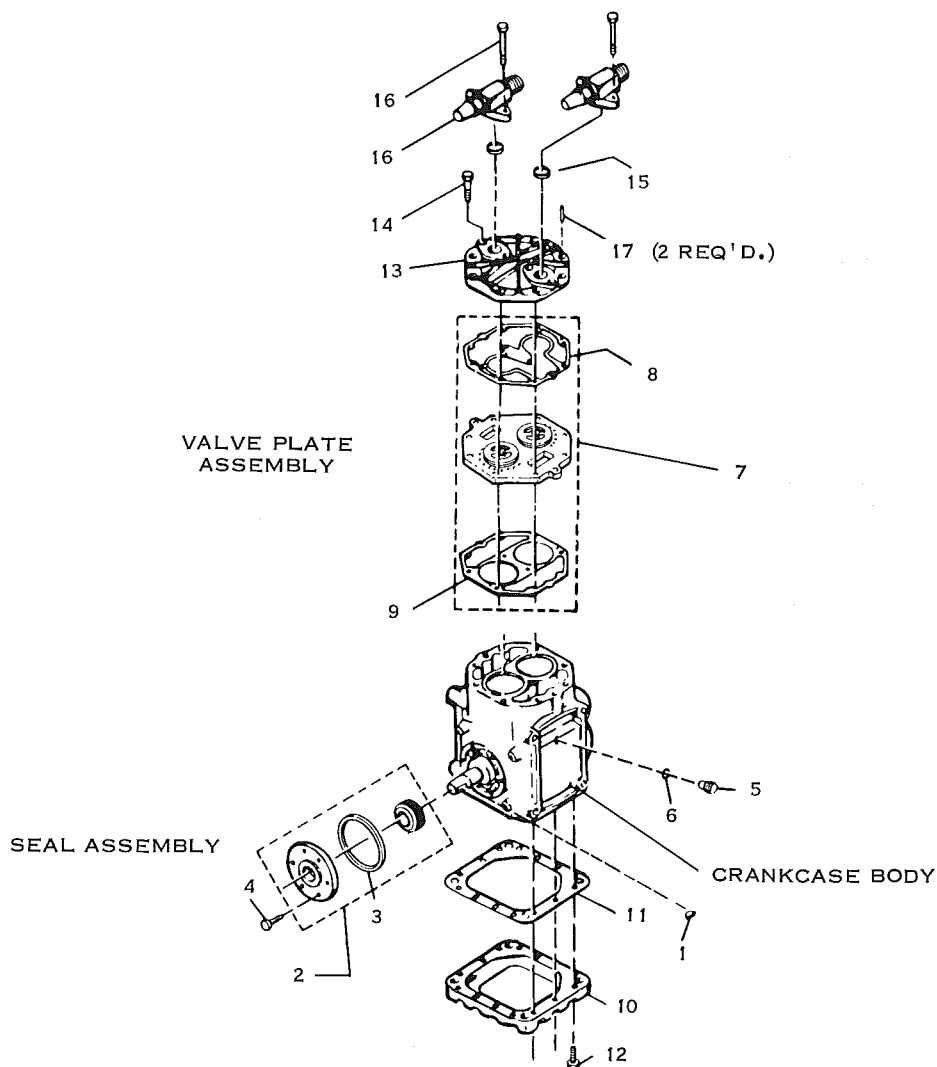
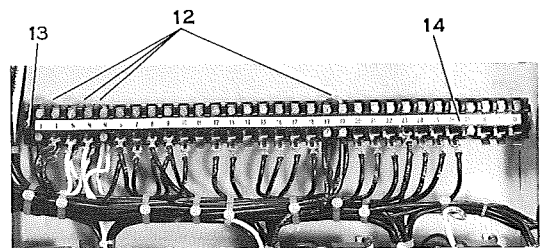
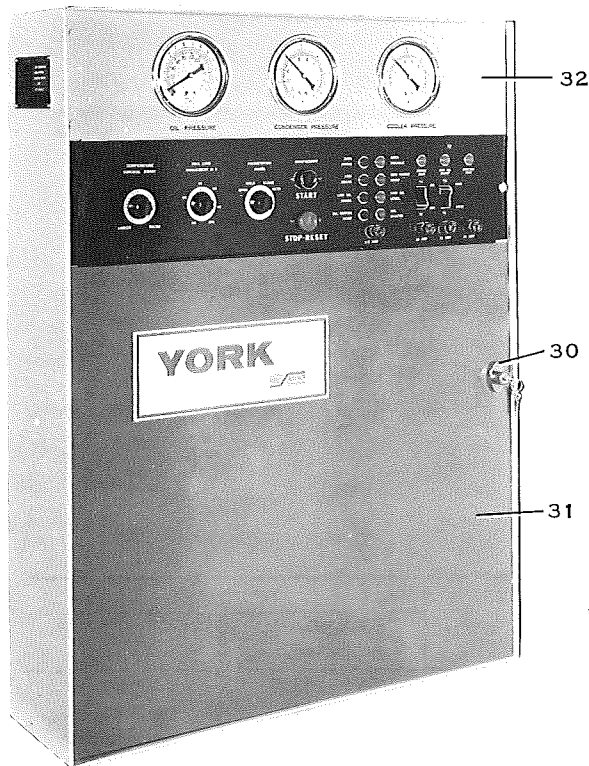


FIG. 60 - Purge Unit Compressor Parts

ITEM	PART DESCRIPTION	QUAN.	PART NUMBER
1	KEY, SHAFT	1	029-09888
2	SEAL ASSEMBLY	1	488-16528
3	QUAD RING	1	028-07542
4	BOLT, $\frac{1}{4}$ -20 X 0.70	6	021-12662
5	PLUG, 0.1 FILLER	2	021-12373
6	"O" RING, OIL FILLER PLUG	2	028-07140
7	VALVE PLATE ASSEMBLY, COMPLETE	1	488-16664
8	GASKET, PLATE TO HEAD	1	028-08155
9	GASKET, PLATE TO BODY	1	028-07143
10	PLATE, BASE	1	012-05277
11	GASKET, BASE PLATE	1	028-07142
12	BOLT, $\frac{1}{4}$ -20 X 0.70	14	021-12662
13	HEAD, CYLINDER	1	488-16346
14	BOLT, HEAD TO BODY $\frac{5}{16}$ -18 X $1\frac{3}{8}$ LG.	8	021-12578
15	GASKET, SERVICE STOP VALVE- "O" RING	2	028-08180
16	SCREW, HEX $\frac{5}{16}$ -18 X $1\frac{7}{8}$	4	021-13134
16	VALVE, SERVICE STOP	2	022-02353
17	DOWEL PIN, PLATE LOCATING	2	029-09829

ELECTRONIC CONTROL CENTER



DETAIL A
ALSO SEE FIG. 6

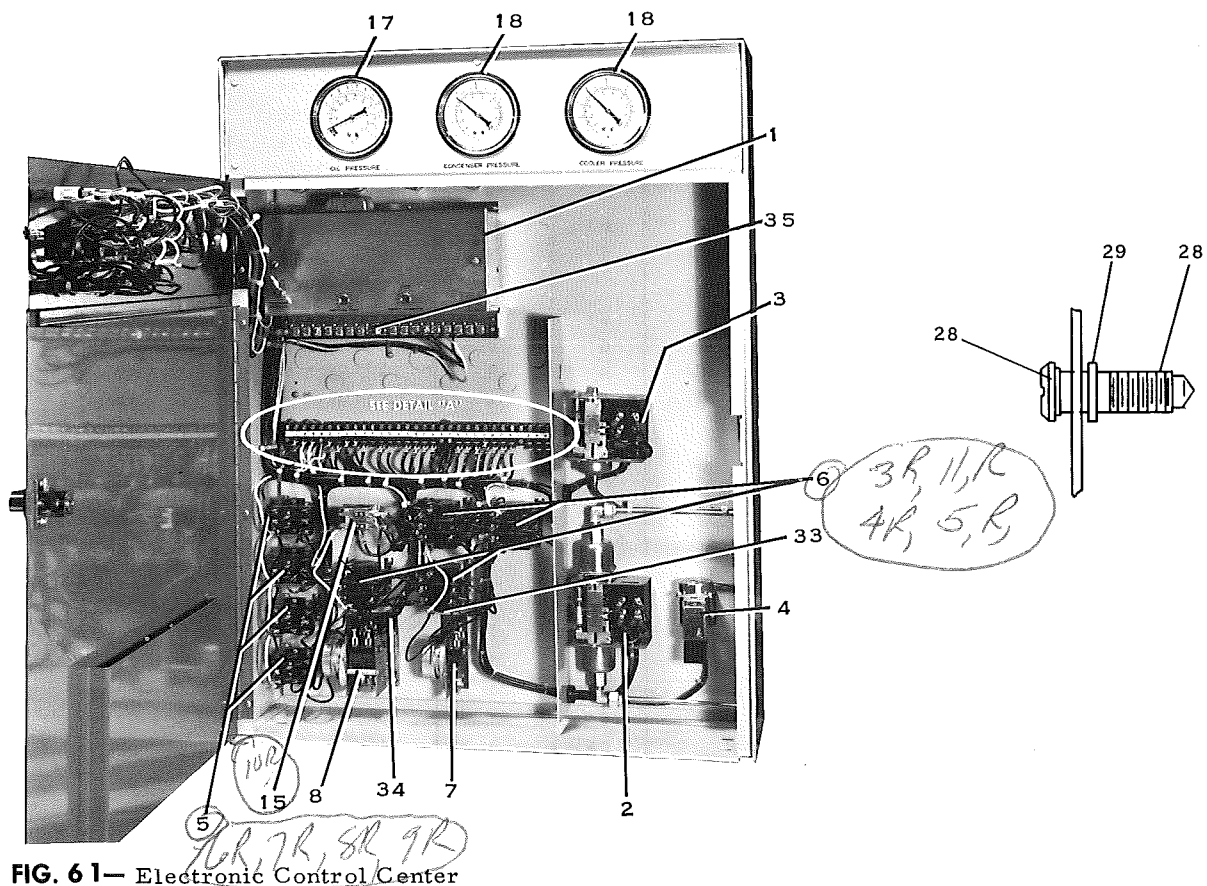


FIG. 61— Electronic Control Center

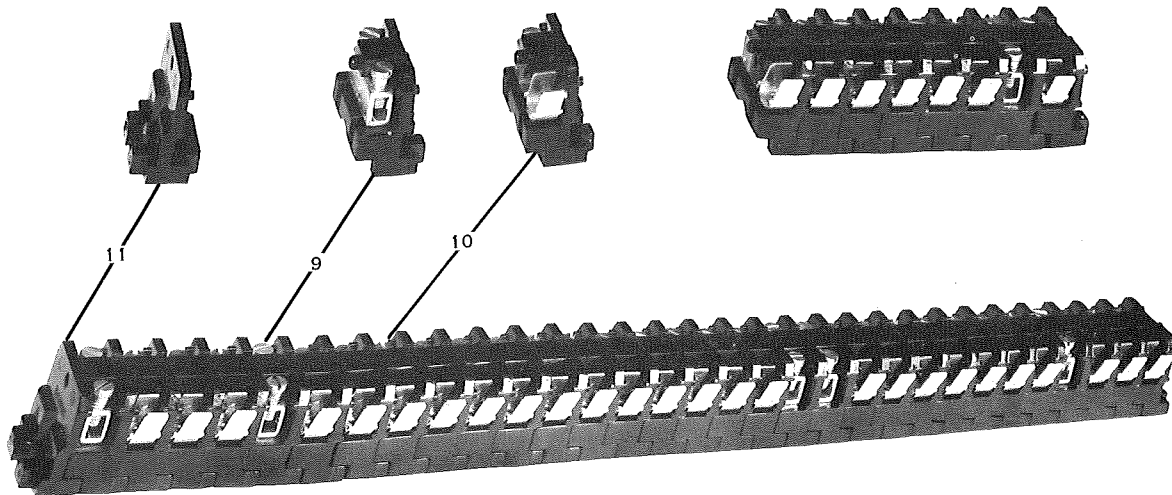


FIG. 62— Terminal Strip Parts

ITEM	PART DESCRIPTION	FIG.	QUAN.	PART NO.	
				STANDARD 367-83019-001	LOW TEMP. 367-83019-003
1	CONTROL, ELECTRONIC MODULE	61	1	025-14333	025-14333
2	CONTROL, OIL PRESSURE	61	1	025-14386	025-14386
3	CONTROL, HIGH PRESSURE	61	1	025-14385	025-14385
4	CONTROL, LOW PRESSURE	61	1	225-15443-001	225-15443-001
5	RELAY, CONTROL - RBM91	61	4	024-11655	024-11655
6	RELAY, CONTROL - RBM92	61	4	024-11784	024-11784
7	TIMER	61	1	025-14371	025-14371
8	TIMER	61	1	025-14709	025-14709
9	BLOCK, TERMINAL	62	5	025-15544	025-15544
10	BLOCK, TERMINAL	62	26	025-15865	025-15865
11	END, TERMINAL BLOCK	62	1	025-13981	025-13981
12	JUMPER TERMINAL BLOCK	61	4	025-13984	025-13984
13	SCREW, MACH. FIL HD. 10-32 X 1/4	61	4	021-13885	021-13885
14	STRIP, MARKER	61	1	025-15913	025-15913
15	RELAY, CONTROL-RBM97000 (10R)	61	1	024-14071	024-14071
16					
17	GAUGE, OIL PRESSURE	61	1	026-14572-001	026-14572-001
18	GAUGE, PRESSURE (REFRIGERANT)	61	2	026-14572-002	026-14572-002
19	CENTER PANEL (DECAL PER 035-00036D)	63	1	367-82341	367-82341
20	LIGHT, INDICATOR (RED)	63	4	025-13551	025-13551
21	LIGHT, INDICATOR (AMBER)	63	7	025-14025	025-14025
22	FUSEHOLDER	63		025-13991	025-13991
23	FUSE, 1/2 AMP, 250 V, CTG	63	1	025-14383	025-14383
24	FUSE, 15 AMP, 250 V, CTG	63	3	025-14384	025-14384
25	SWITCH, PUSHBUTTON (BLACK)	63	1	024-13761	024-13761
26	SWITCH, PUSHBUTTON (RED)	63	1	024-13762	024-13762
27	SWITCH, ROCKER	63	2	024-13760	024-13760
28	SCREW, SLOT HD., NO.2	63	1	021-11631	021-11631
29	WASHER, RETAINING, NO.2	61	1	021-11632	021-11632
30	FASTENER, LOCK AND KEY	61	1	021-13025	021-13025
31	DOOR, CONTROL PANEL	61	1	367-82337	367-82337
32	PANEL, GAUGE	61	1	367-82337	367-82337
33	INSULATOR	61	1	067-84189	067-84189
34	INSULATOR	61	1	067-84190	067-84190
35	CONNECTOR, JUMPER	61	1	025-12106	025-12106

ELECTRONIC CONTROL CENTER

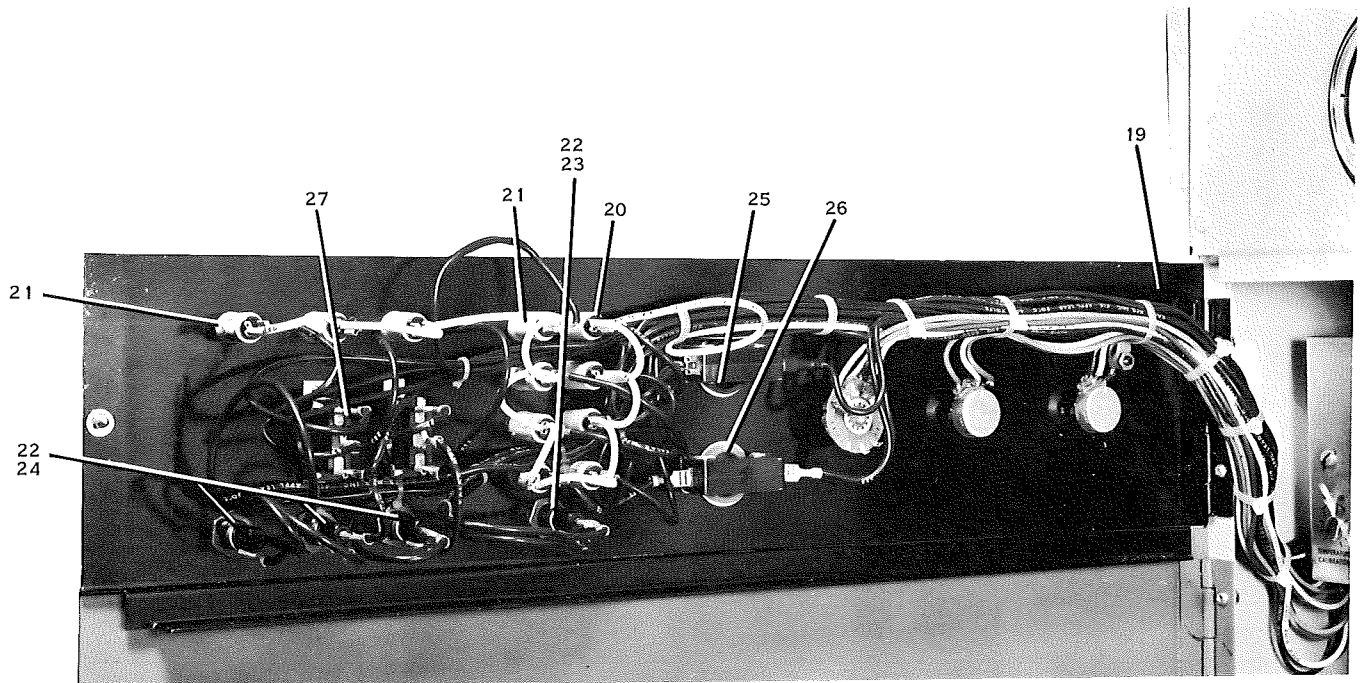
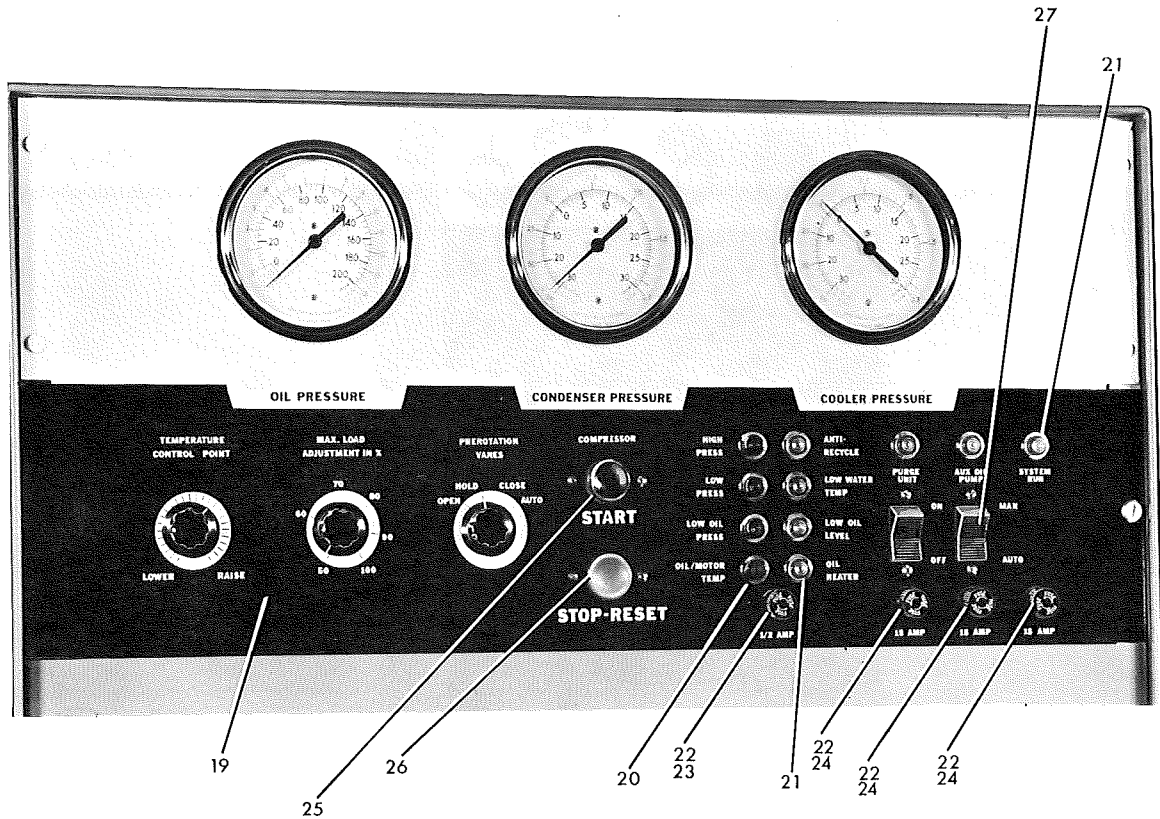


FIG. 63— Electronic Control Panel Parts

PNEUMATIC CONTROL CENTER

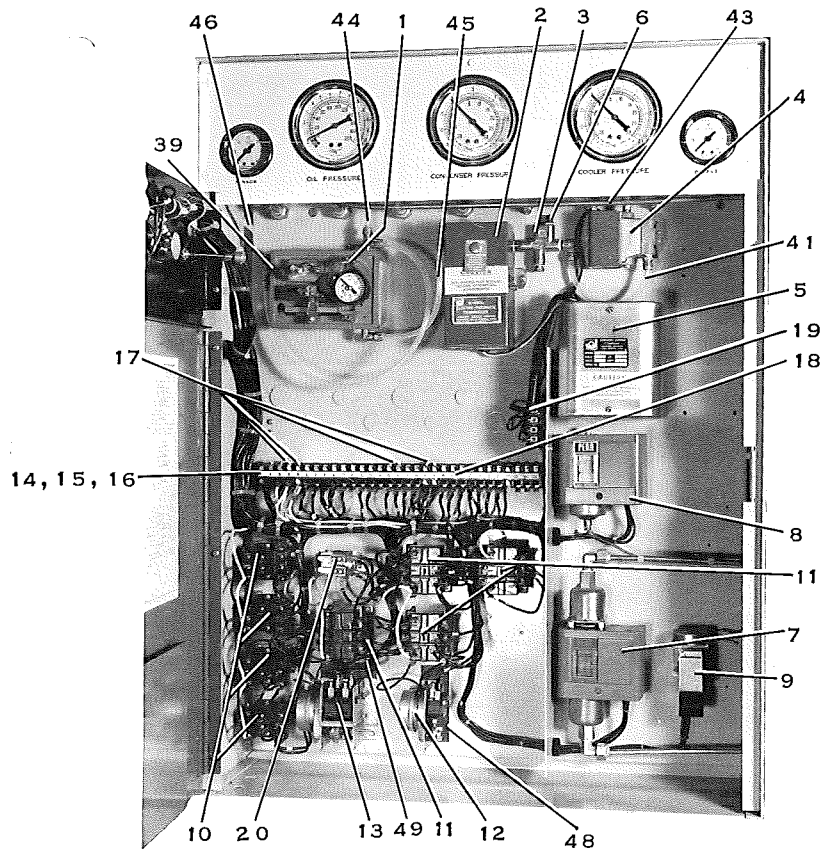
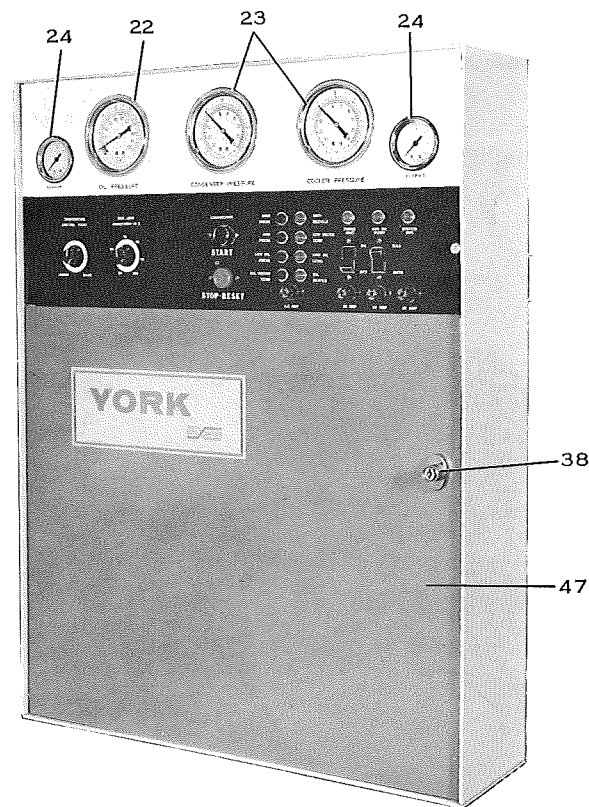


FIG. 64 — Pneumatic Control Center

H.P., O.P., D.P., S. → Marsh Gauge has replacement glass P/N 026-14459
 H.P., O.P., S.L.P., → U.S. Gauge & Marshalltown does not supply replacement
 GLASSES

ITEM	PART DESCRIPTION	FIG.	QUAN.	PART NO.	
				STANDARD	LOW TEMP.
				367-17039-001	367-17039-003
1	CONTROLLER, TEMPERATURE (TC)	64	1	026-16196	026-16196
2	CURRENT LIMIT RELAY (TRANSDUCER) (CLR)	64	1	324-15335-001	324-15335-001
3	RESTRICTOR, VARIABLE ADJUSTABLE	64	1	026-15426	026-15426
4	VALVE, PRV AIR SOLENOID (1 SOL)	64	1	325-11931-001	325-11931-001
5	CONTROLLER, LOAD LIMITING (LLC)	64	1	025-15892	025-15892
6	PLUG, PLUG 1/8 NPT		1	023-01182	023-01182
7	CONTROL, OIL PRESSURE	64	1	025-14386	025-14586
8	CONTROL, HIGH PRESSURE	64	1	025-14385	025-14385
9	CONTROL, LOW PRESSURE	64	1	225-15443-001	225-15443-001
10	RELAY, CONTROL, RBM91	64	4	025-11655	025-11655
11	RELAY, CONTROL, RBM92	64	4	025-11784	025-11784
12	TIMER	64	1	025-14371	025-14371
13	TIMER, REPEAT CYCLE	64	1	025-14709	025-14709
14	BLOCK, TERMINAL (SCREW TERMINALS)	64	5	025-15544	025-15544
15	BLOCK, TERMINAL (PUSH-ON-TERMINAL)	65	30	025-15865	025-15865
16	END TERMINAL BLOCK	65	2	025-13981	025-15981
17	JUMPER, TERMINAL BLOCK	65	5	025-13984	025-13984
18	STRIP, MARKER	64	1	025-15913	025-15913
19	STRIP, MARKER	64	1	025-16022	025-16022
20	RELAY, CONTROL RBB97000	64	1	024-14071	024-14071
21					
22	GAUGE, OIL PRESSURE	64	1	026-14572-001	026-14572-001
23	GAUGE, PRESSURE (REFRIGERANT)	64	2	026-14572-002	026-14572-002
24	GAUGE, PRESSURE (AIR)	64	2	026-16195	026-16195
25	CENTER PANEL (DECAL PER 035-00056)	66	1	366-14825	366-14385
26	LIGHT, INDICATOR (RED)	66	4	025-13551	025-13551
27	LIGHT, INDICATOR (AMBER)	66	7	025-14025	025-14025
28	FUSEHOLDER	66	4	025-13991	025-13991
29	FUSE, 1/2 AMP, 250 V, CTG	66	1	025-14383	025-14383
30	FUSE, 15 AMP, 250 V, CTG	66	3	025-14384	025-14384
31	SWITCH, PUSHBUTTON, BLACK	66	1	024-13761	024-13761
32	SWITCH, PUSHBUTTON, RED	66	1	024-17762	024-13762
33	SWITCH, ROCKER	66	2	024-17760	024-17760
34	RESISTOR, VARIABLE	67	1	025-15890	025-15890
35	SCREW, SLOT HD. NO. 2	66	1	021-11631	021-11631
36	WASHER, RETAINING NO. 2	66	1	021-11632	021-11632
37	KNOB	66	2	025-15889	025-15889
38	FASTNER, LOCK AND KEY	64	1	021-13025	021-13025
39	RESISTOR, PNEUMATIC	64	1	026-16208	026-16208
40	TUBE, PLASTIC 1/4 O.D. X .040 X 6 LG.		1	067-32310	067-32310
41	TUBE, PLASTIC 1/4 O.D. X .040 X 6 1/2 LG.	64	1	066-20823	066-20823
42	TUBE, PLASTIC 1/4 O.D. X .040 X 8 1/2 LG.		1	066-17027	066-17027
43	TUBE, PLASTIC 1/4 O.D. X .040 X 10 LG.	64	2	066-17028	066-17028
44	TUBE, PLASTIC 1/4 O.D. X .040 X 14 LG.	64	1	066-17029	066-17029
45	TUBE, PLASTIC 1/4 O.D. X .040 X 18 LG.	64	1	066-17030	066-17030
46	TUBE, PLASTIC 1/4 O.D. X .040 X 20 1/2 LG.	64	1	066-17031	066-17031
47	DOOR CONTROL PANEL	64	1	367-82337	367-82337
48	INSULATOR	64	1	067-84189	067-84189
49	INSULATOR	64	1	067-84190	067-84190
50	SHAFT, FLEX AND PANEL BEARING	67	1	025-15891	025-15891
51	PRESSURE REGULATOR *	69	1	022-03533	022-03533
52	GAUGE *	69	1	026-10301	026-10301

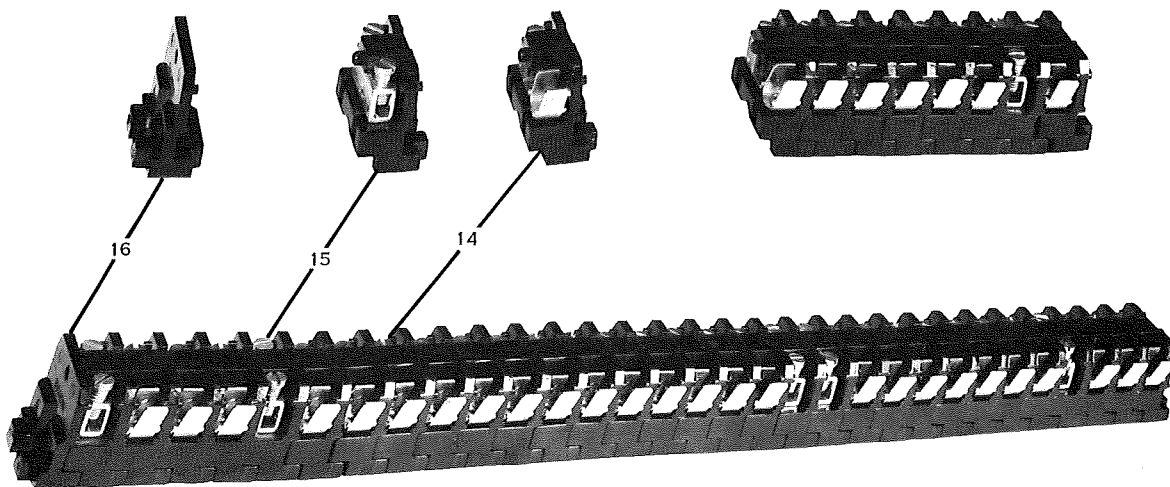


FIG. 65— Terminal Strip

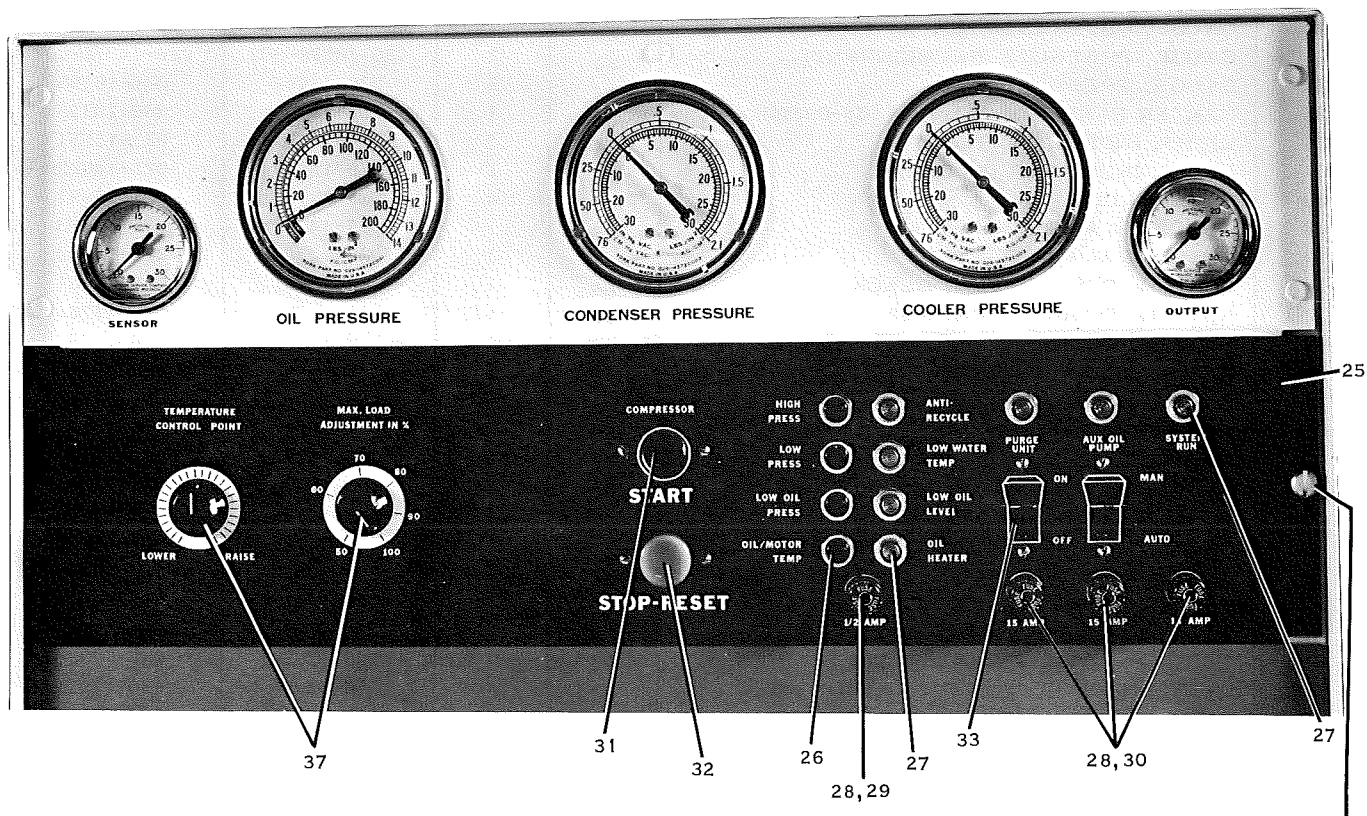
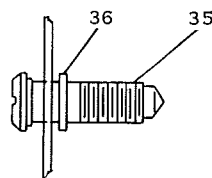


FIG. 66— Pneumatic Control Center Close-Up of Controls



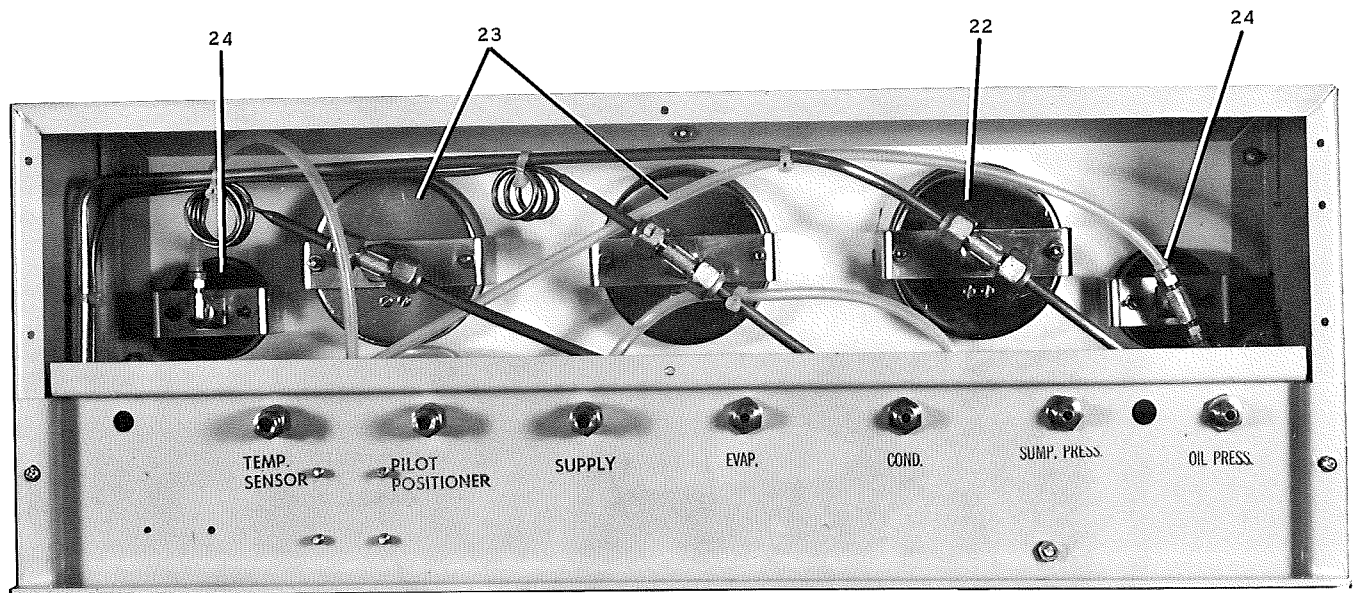


FIG. 67— Rear View Control Center Showing Gauge Hook-Up

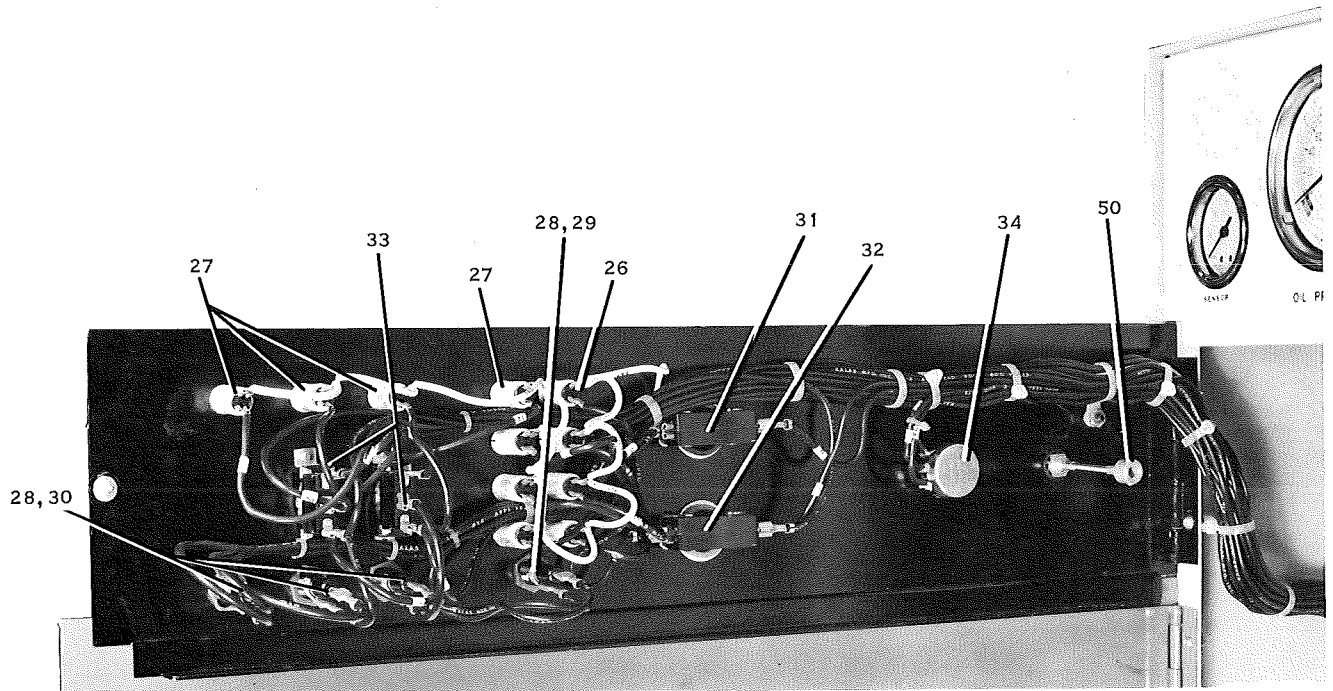


FIG. 68— Center Control Panel - Rear View

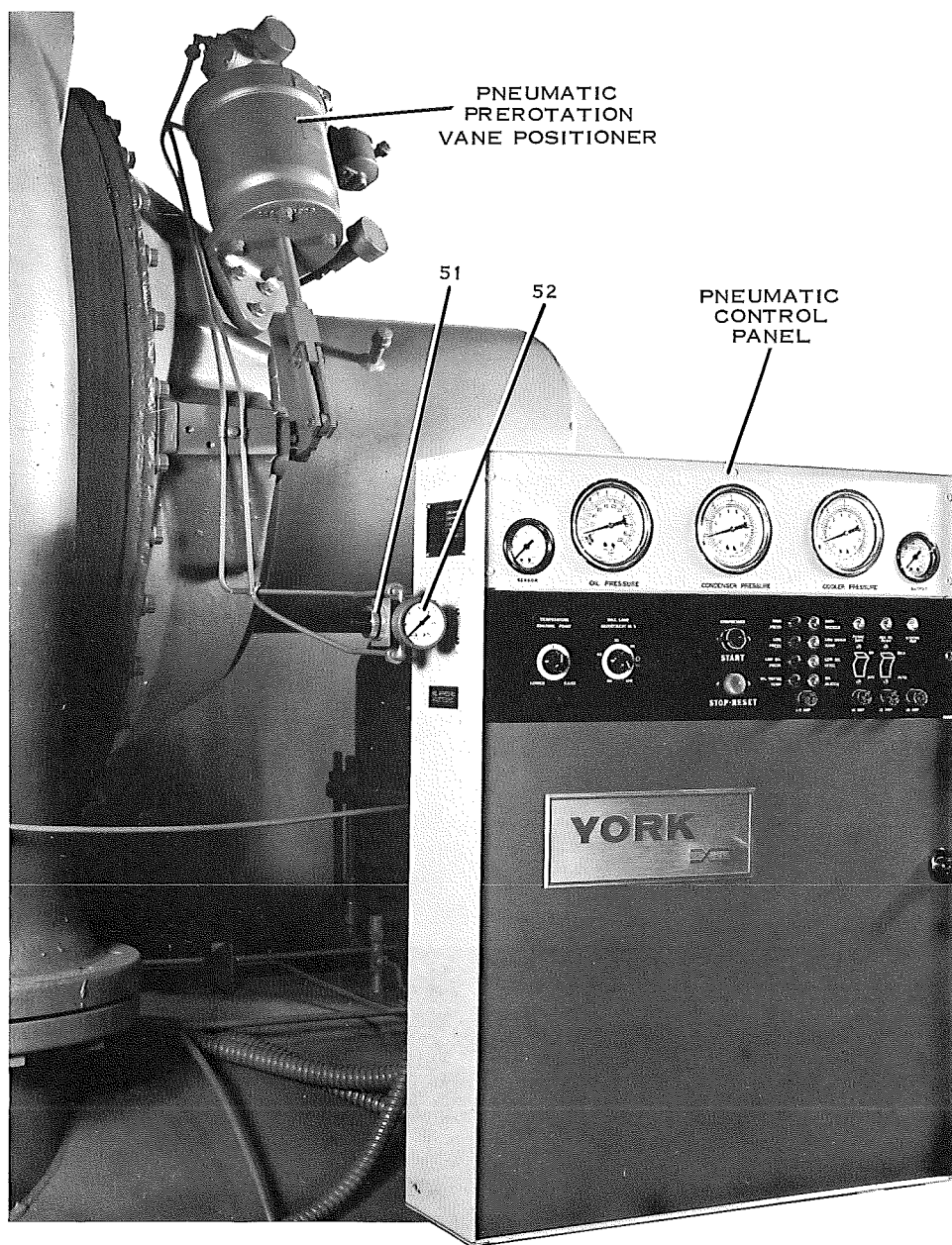


FIG. 69— Pneumatic Control Center - Mounted on Unit - Models 360 thru 600 Only

CONTROL CENTER AND ELECTRICAL AND PNEUMATIC COMPONENTS



FIG. 70— Low Water Temperature Thermostat

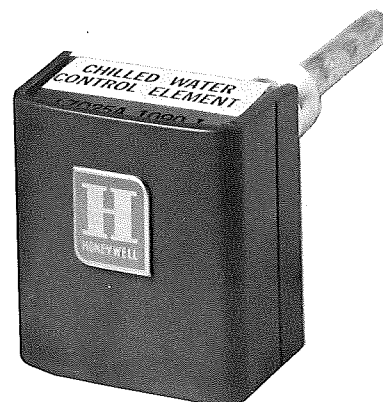


FIG. 71 — Temperature Control Sensor

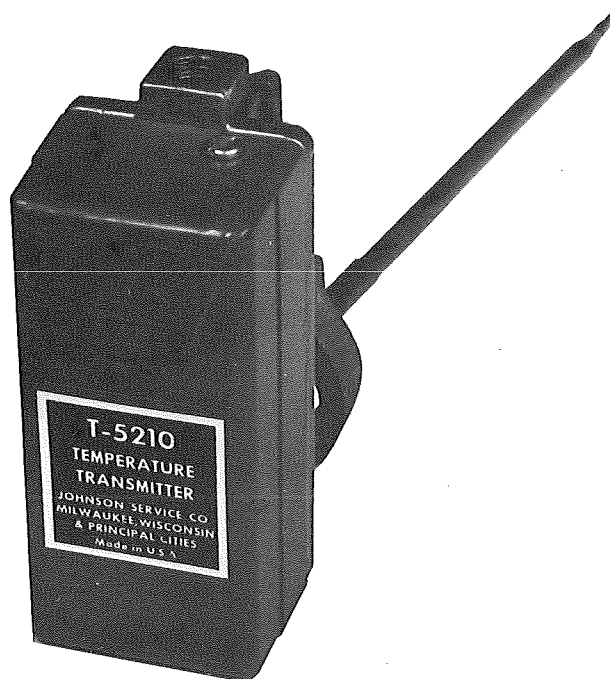
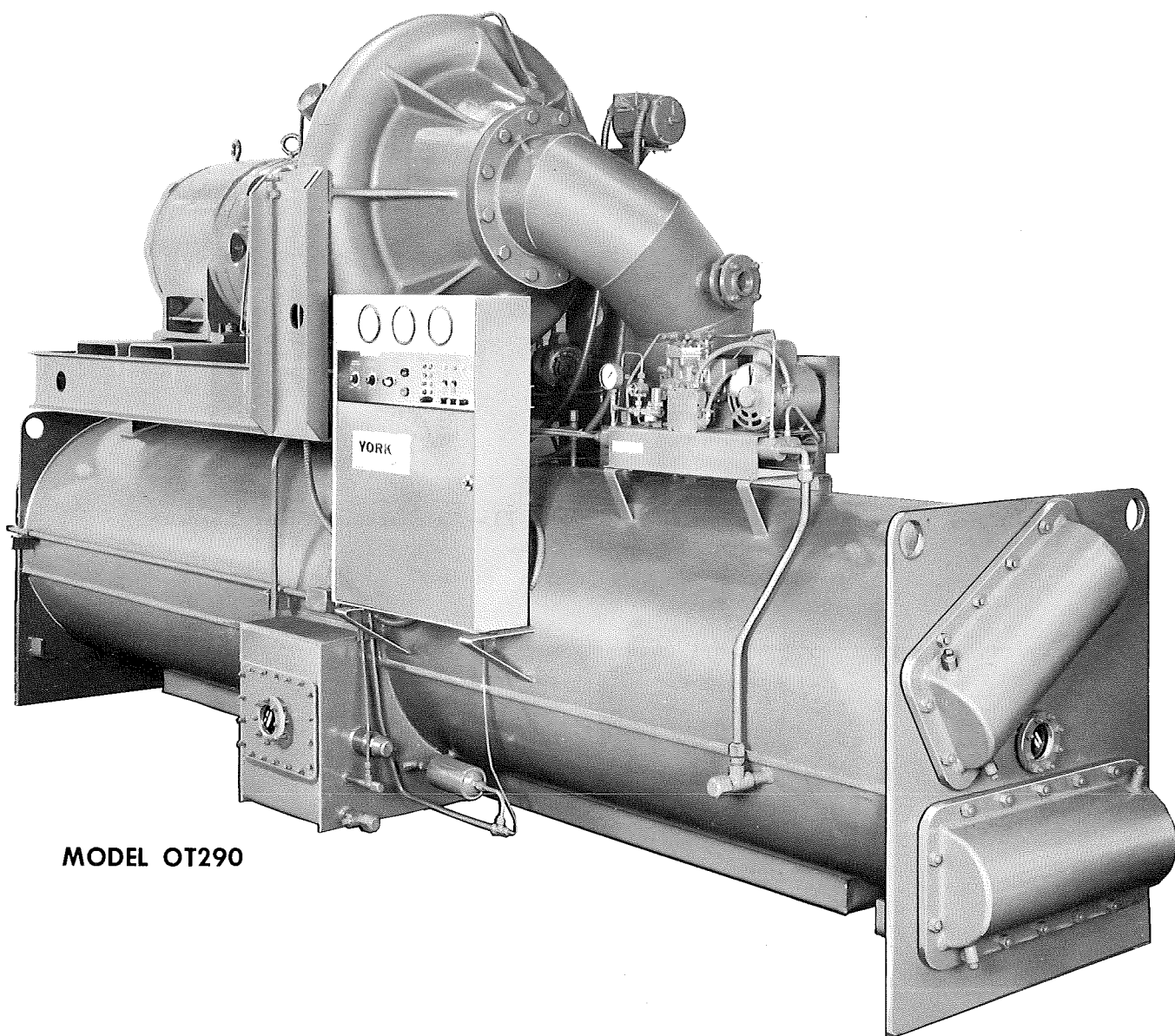


FIG. 72— Low Water Temperature Transmitter -
Pneumatic PRV Control - Units Only

ITEM	DESCRIPTION	QUAN.	PART NO.	FIG.
1	LOW WATER TEMPERATURE THERMOSTAT PENN-A 19ABC-23-RANGE 20 F TO 80 F	1	025-14464	70
2	TEMPERATURE CONTROL SENSOR HONEYWELL-7025A-1090	1	025-10439	71
3	LOW WATER TEMPERATURE TRANSMITTER JOHNSON SERVICE-T-5210-134 RANGE 32 F-57 F (PNEUMATIC CONTROL ONLY)	1	022-03481	72



MODEL OT290

Subject to Change Without Notice

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