

SINGLE STAGE CENTRIFUGAL OPEN COMPRESSOR

COMPRESSOR
LTC67
LTC76

SYSTEM
OT15, 17, 19
OT20, 23, 24, 25

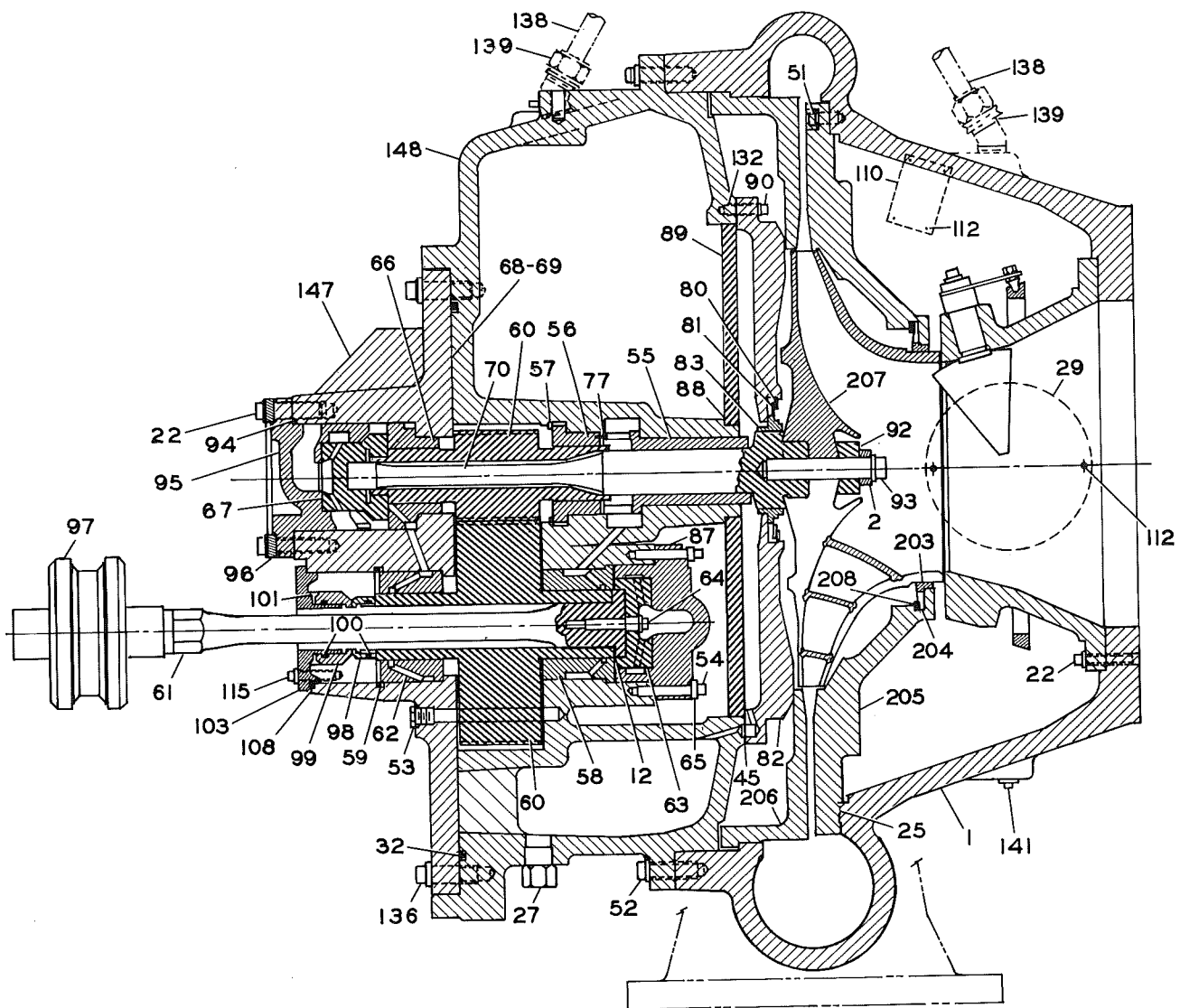


FIG. 1— Cross Section View of Compressor - Open

ITEM	PART NO.	QTY.	DESCRIPTION
1	064-11633	1	SCROLL, ROTOR
2	064-16500	1	WASHER, SPECIAL
3	026-09306	1	PUMP, OIL, AUX.
3A	026-10904	1	AUX OIL PUMP SHAFT SEAL KIT
4	026-13123	1	GLASS, OIL SIGHT
5	023-07092	1	ELBOW, 45° 3/8 TUBE X 1/4 MPT
6	003-00969	2 FT.	TUBING 3/8 OD X .035 WALL
7	029-11856	1	SFT. CONT.
8	028-07407	1	RING PKT. HYD. "O" 2 OD X 1.799 ID X .103 THK.
9	021-12039	8	SCR., CAP 12 PT. HD. 5/16-18UNC X 1 LG
10	364-20399	1	LEVER P.R. DEVICE, INT.
11	064-12314	1	ROD, ADJUSTABLE
12	028-04477	1	RING, "O" 2 X 1 13/16 X 3/32
14	064-14316	1	TUBE, EXTENSION
15	028-04861	1	RING, "O" 1 7/8 OD X 1 5/8 ID X 1/8
16	023-04832	1	"TEE" SCREW REDUCING 3/4 X 1/2 X 3/8 FEMALE
17	021-03745	1	SCR., MACH., PHILLIPS #10-24UNC X 3/8 LG
18	021-11600	1	CLIP, TOP
19	021-01785	1	SCR., MACH., PHILLIPS #10-24UNC X 5/8 LG
20	364-13441	1	ELIMINATOR, OIL (FRAME TYPE)
21	064-13909	1	COVER, SHAFT CONTROL
22	021-11175	11	SCR., CAP, 12 PT. HD 3/8-16UNC X 1 1/2 LG
23	028-00781	1	GASKET, 2 1/2 OD X 2 ID X 1/16 THK
24	028-04353	2	RING "O" 1 3/8 OD X 1 1/8 ID X 1/8
25	064-20660	1	GASKET, NOZZLE BASE PLATE
26	364-13347	2	ELIMINATOR, OIL (CAN TYPE)
27	023-07063	1	PLUG, "O" RING, 1 1/16-12UNF-2
28	023-01994	3	PLUG, HEX SOC HD 1/2 NPT
29	029-00310	1	NAMEPLATE, PUBLICITY, 6"
30	064-12101	1	GASKET, OIL JET 1/32 THK
31	064-10825	1	SCR., SPECIAL, 3/8-24UNF X 1 5/8 LG
32	028-05401	1	RING, "O", 20 OD X 19 1/2 ID X 1/4
33	029-08343	3	BRG., ROD END SPHERICAL
34	021-01083	1	PIN, COT 3/32 X 3/4 LG
35	021-10815	1	LOCKWASHER, SPRING, 3/8
36	021-10170	2	NUT, HEX REG. 3/8-24UNF
37	064-12328	3	FILLPIECE 3/4 DIA. X 1/8 LG
38	025-08189	1	CONN. ELECT. 1/2 STRAIGHT
39	070-01294	2	NIPPLE, PIPE 1/2 SCH. 40 X 2 LG
40	021-02399	1	SCREW, CAP HEX HD 1/4-20 X 1 1/2 LG
41	021-11914	1	SCREW, CAP HEX HD 1/4-20 X 1 LG
42	029-05900	1	PIN INSERT 3/32 X 1 1/8 LG
43	021-11998	1	SCR., CAP 12 PT. HD. 1/2-20UNF X 6 LG
44	064-08815	1	WASH., SPECIAL
45	064-11803	1	GASKET, OIL SEP 1/32 THK
46	013-01678	AS REQ'D	LOCTITE "NUT LOCK" TYPE CV (4 - 10)
47	064-20636	1	ADAPTER
48	364-13873	1	PUMP, JET
49	026-10787	1	COOLER, OIL
50	023-02015	3	PLUG, PIPE 1/4 NPT C'SK SQ
51	021-11498	6	SCR., CAP, 12 PT. HD. 3/8-24 UNF X 7/8 LG
52	021-11159	32	SCR., CAP, 12 PT. HD. 5/8-11UNC-3 X 1 1/2 LG
53	023-07158	1	PLUG, "O" RING TYPE 9/16 - 18 UNF
54	021-11917	6	SCR., CAP, 12 PT. HD. 3/8 - 16 UNC X 2 LG
55	064-11642	1	BRG., MAIN SFT.
56	064-11643	1	BRG., PINION GEAR
57	029-08496	1	RING, INT RET (BEVEL TYPE)
58	064-13845	1	BRG., GEAR FR.
59	029-06722	1	RING, INT RET (BEVEL TYPE)
60	SEE SYSTEM DATA PLATE	1	GEAR SET
61	064-14971	1	SFT., DR.
62	064-11665	1	BRG., GEAR REAR
63	064-13841	1	PUMP, CENT. OIL
64	021-11532	1	SCR., CAP., 12 PT. HD. 5/16-24UNF X 1 3/4 L.H.
65	064-11649	6	WASH., FLAT 3/4 X 25/64 X 1/16 THK.
66	064-11644	1	BRG., THRUST
67	064-11654	1	COLLAR, THRUST
68	064-11802	1	GSKT., BRG. HSG.
69	029-04138	2	PIN, INSERT 3/16 DIA. X 1/2 LG.
70	064-11655	1	SFT., MAIN
71	023-04321	1	ELBOW, SCREW 3/4 X 45°
72	023-04313	1	ELBOW, SCREW 3/4 X 90°
73	023-06816	1	ELBOW, 1/2 TUBE TO 3/8 MPT
74	022-02042	1	VALVE, CHECK 3/8 MPT BOTH ENDS
75	023-03822	1	PLUG, PIPE 1/2
76	028-04522	2	RING "O" 1 1/4 X 1 X 1/8 SECT.

ITEM	PART NO.	QTY.	DESCRIPTION
77	029-03990	1	PIN, ROLL 1/8 DIA. X 9/16 LG
78	023-08382	1	ELBOW 90° 1/2 TUBE TO 3/8 FPT
79	023-08383	1	ELBOW 90° 3/4 TUBE TO 3/4 FPT
80	029-05601	1	RING, RETAINING INTERNAL
81	064-12887	1	WASHER, FLAT SPRING
82	064-20436	1	PL. OIL SEP
83	064-20435	1	RING, SEAL
84	023-06818	2	ELBOW 90° 5/8 TUBE TO 1/2 MPT
85	021-12338	2	BOLT "U", 1/4
86	023-07342	2	CPLG., 5/8 TUBE X 1/2 FPT
87	064-13842	1	HSG., OIL PUMP
88	064-11806	1	GSKT., INNER SPG. SEAL 1/32 THK.
89	064-11656	1	RING, INNER SPR. SEAL
90	021-11141	21	SCR., CAP, 12 PT. HD. 3/8-16UNC X 1 1/4 LG
91	023-01972	3	PLUG, PIPE 1/4
92	064-11659	1	COLLAR, IMPELLER CLP
93	021-12151	1	SCR., CAP, 12 PT. HD. 5/8-18UNC X 3 3/4 LG
94	028-04352	+	RING, "O" 4 1/8 X 3 7/8 X 1/8
95	064-11660	1	COV. OIL PUMP
96	064-11819	1	PL., PRES.
97	364-12417-004	1	COUPLING, YORK FLEX
98	064-12318-007	+	COLLAR, SFT. SEAL
99	064-15385-008	+	RING, SFT. SEAL
100	028-04348	+	PKG., HYD. "O" RING 2 X 1 3/4 X 1/8
101	029-11568-001	+	SPG. HELICAL L.H. 1" FREE LG
102	025-04866	2	BUSHING, ELECT. 1/2
103	064-22929	+	COVER, SEAL
104	023-07197	2	ELBOW 45° 5/8 TUBE
105	025-09450	2	HEATER, CARTRIDGE 120 VOLTS 285 WATTS
106	026-07446	1	ELEMENT, FILTER
107	029-07217	1	SPG. FILTER
108	028-04349	2	RING "O" 4 1/4 X 4 X 1/8 SECT.
109	064-20822	1	COVER, OIL FLT.
110	029-08252	1	NP. DATA, COMPR.
111	029-00334	1	NP. - INST. ROT.
112	021-03720	8	SCR. DRIVE NO. 4 X 1/4 LG
113	064-07317	2	CONN., MALE SPL.
114	021-11973	AS REQ'D	WASHER, 1/2 OD X 17/64 ID X .016 THK.
115	021-11139	8	SCR., CAP 12 PT. HD. 3/8-16UNC X 7/8 LG
116	064-14790	1	PLUNGER, VALVE OIL RELIEF
117	065-06394	1	CAP, SEAL OIL RELIEF
118	028-03021	1	GSKT., 7/8 X 9/16 X 5/64 THK.
119	029-06143	1	SPR. HELICAL
120	023-06805	3	CONN. 5/8 TUBE TO 1/2 MPT
121	025-01145	2	BOX, JUNCTION
122	025-05025	2	COVER
123	025-05701	4	LOCKNUT, ELECT.
124	003-00810	9 FT.	TUBING, 5/8 OD X .049 WALL
125	003-00243	4 1/2 FT.	TUBING, 1/2 OD X .049 WALL
126	023-06817	1	ELBOW 90° 1/2 TUBE TO 1/2 MPT
127	368-00003	1	VALVE, STOP ANGLE 3/8 TYPE I
128	064-21857	1	CONN., TUBE, 5/8 OD X .049 WALL X 8 LG
129	064-21856	1	CONN., TUBE, 3/4 OD X .049 WALL X 10 LG
130	023-01983	1	PLUG, PIPE 3/8 SQ. H.D.
131	070-08871	1	NIP, PIPE 3/4 SCH. 80 X 8 LG
132	029-06855	1	PIN, INSERT 1/2 X 1 1/8 LG
133	023-07172	1	ELL, 45° 1/2 TUBE X 3/8 MPT
134	368-00007	1	VALVE, STOP ANGLE 3/4 TYPE I
135	023-04353	1	TEE, SCREWED 3/4 X 3/8 X 3/4
136	021-11736	16	SCR., CAP, 12 PT. HD. 3/4-10UNC - 3 X 2 LG
137	023-01969	1	PLUG, PIPE 1/8 NPT
138	003-00952	5 FT.	TUBING, 3/4 OD X .049 WALL
139	023-07264	2	ELL, 45° 3/4 TUBE X 3/4 MPT
140	021-00450	8	NUT, HEX 1/4 -20UNC
141	023-04053	1	PLUG, PIPE 3/4
142	070-01541	5	NIPPLE, PIPE 3/4 SCH. 80 X 1 3/8 LG
143	023-07197	1	ELL, 45° CINCH TYPE 5/8 TUBE X 1/2 MPT
144	023-04010	2	BUSHING, 3/4 MPT X 1/2 FPT
146	029-10646	3	PIN - DOWEL 1/2 DIA. X 2 LG
147	064-11641	1	HOUSING, BEARING
148	064-19266	1	SUPPORT, ROTOR
149	025-13722	1	CONTROL, TEMPERATURE
153	023-06820	1	ELBOW 90° 3/4 TUBE TO 3/4 MPT
154	364-20655	1	BRACKET MOUNTING AUX. OIL PUMP
155	021-01418	4	SCREW, CAP. HEX. 5/16 -18UNC-3/4 LG.
156	021-00461	4	NUT, HEX 3/16 - 18 UNC

VARIABLE COMPONENTS									
ITEM NO.	DESCRIPTION	ELECTRIC P. R. V. MOTOR							
		LINE NO. 1 364-20220 LTB67 ARRGT#1	Q U A N	LINE NO. 2 364-20221 LTB67 ARRGT#2	Q U A N	LINE NO. 3 364-20222 LTB76 ARRGT#1	Q U A N	LINE NO. 4 364-20223 LTB76 ARRGT#2	Q U A N
202	DEVICE, PRE-ROTATION	364-15250	1	364-15250	1	364-15249	1	364-15249	1
203	RING, SEAL IMPELLER	064-20430	1	064-20430	1	064-20431	1	064-20431	1
204	WASHER, FLAT SPRING	064-06242	1	064-06242	1	064-05741	1	064-05741	1
205	PLATE, NOZZLE BASE	064-20409	1	064-20409	1	064-20410	1	064-20410	1
206	PLATE, DIFFUSER	064-11810	1	064-11810	1	064-11638	1	064-11638	1
207	IMPELLER	064-11297	1	064-11297	1	064-11127	1	064-11127	1
208	RING, RETAINING OIL SEAL	064-06243	1	064-06243	1	064-05742	1	064-05742	1
210	GLASS, OIL SIGHT			026-13123	1			026-13123	1
211	CONTROL OIL FLOAT SWITCH	025-10017	1			025-10017	1		
216	TUBING, FILLPIECE	064-15003	1	064-15003	1	064-15003	1	064-15003	1
217	SCREW, CAP	021-11940	1	021-11940	1	021-11940	1	021-11940	1
218	LEVER P. R. DEVICE	064-12237	1	064-12237	1	064-12237	1	064-12237	1
219	PLATE, MOTOR SUPPORT	364-12236	1	364-12236	1	364-12236	1	364-12236	1
220	BOLT, SHOULDER (SPEC.)	064-12815	1	064-12815	1	064-12815	1	064-12815	1
221	SCREW, CAP	021-11149	3	021-11149	3	021-11149	3	021-11149	3
222	LINK, EXTERNAL	064-12235	1	064-12235	1	064-12235	1	064-12235	1
223	NUT, HEX 3/8	021-00466	2	021-00466	2	021-00466	2	021-00466	2
224	MOTOR, IND.	025-09360	1	025-09360	1	025-09360	1	025-09360	1
225	RING, "O" 2 OD X 1.799 ID .103 THK			028-07407	1			028-07407	1
226	SCREW, CAP	021-11741	4	021-11741	4	021-11741	4	021-08310	4

VARIABLE COMPONENTS									
ITEM NO.	DESCRIPTION	AIR P. R. V. MOTOR							
		LINE NO. 5 364-20224 LTB67 ARRGT#1	Q U A N	LINE NO. 6 364-20225 LTB67 ARRGT#2	Q U A N	LINE NO. 7 364-20226 LTB76 ARRGT#1	Q U A N	LINE NO. 8 364-20227 LTB76 ARRGT#2	Q U A N
202	DEVICE, PRE-ROTATION	364-15250	1	364-15250	1	364-15249	1	364-15249	1
203	RING, SEAL IMPELLER	064-20430	1	064-15250	1	064-20431	1	064-20431	1
204	WASHER, FLAT SPRING	064-06242	1	064-06242	1	064-05741	1	064-05741	1
205	PLATE, NOZZLE BASE	064-20409	1	064-20409	1	064-20410	1	064-20410	1
206	PLATE, DIFFUSER	064-11810	1	064-11810	1	064-11638	1	064-11638	1
207	IMPELLER	064-11297	1	064-11297	1	064-11127	1	064-11127	1
208	RING, RETAINING OIL SEAL	064-06243	1	064-06243	1	064-05742	1	064-05742	1
210	GLASS, OIL SIGHT /			026-13123	1			026-13123	1
211	CONTROL OIL FLOAT SWITCH	025-10017	1			025-10017	1		
216	TUBING, FILLPIECE								
217	SCREW, CAP	021-02399	1	021-02399	1	021-02399	1	021-02399	1
218	LEVER P. R. DEVICE	064-16836	1	064-16836	1	064-16836	1	064-16836	1
219	PLATE, MOTOR SUPPORT	064-20428	1	064-20428	1	064-20428	1	064-20428	1
220	BOLT, SHOULDER (SPEC.)								
221	SCREW, CAP	021-02750	3	021-02750	3	021-02750	3	021-02750	3
222	LINK, EXTERNAL								
223	NUT, HEX 3/8								
224	MOTOR, IND.	024-09599	1	024-09599	1	024-09599	1	024-09599	1
225	RING, "O" 2 OD X 1.799 ID .103 THK			028-07407	1			028-07407	1
226	SCREW, CAP	021-08310	3	021-08310	3	021-08310	3	021-08310	3

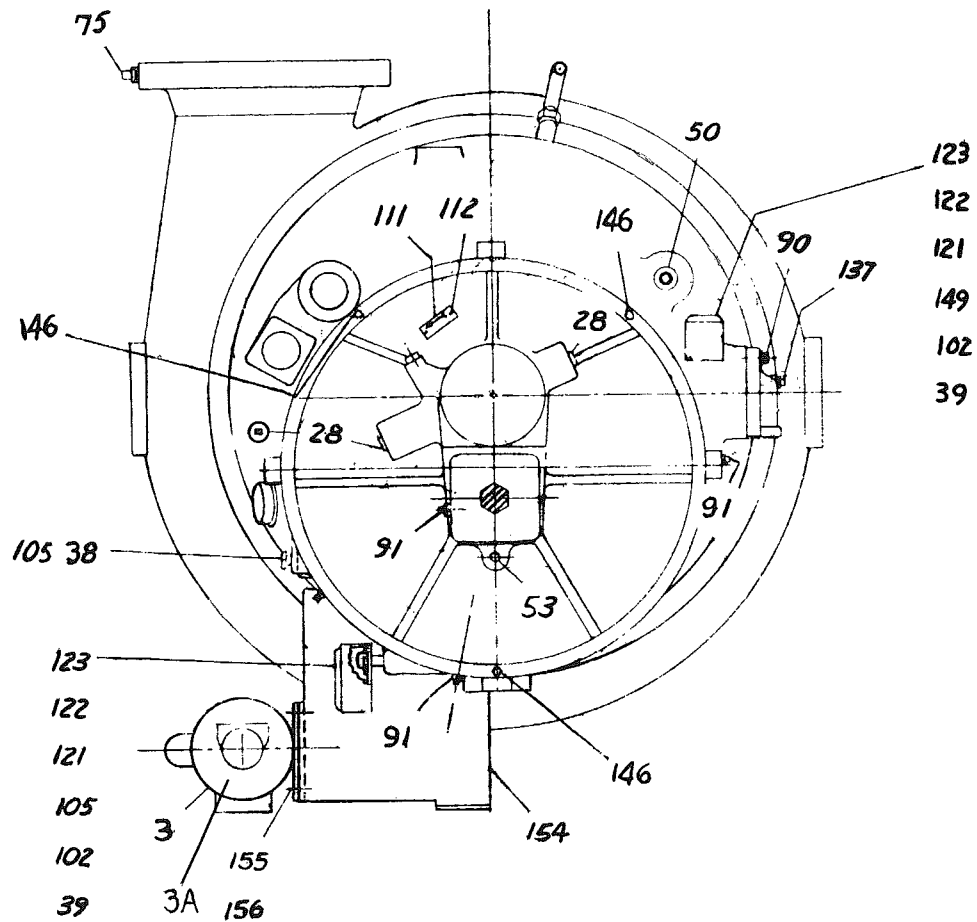


FIG. 2— Front View Compressor

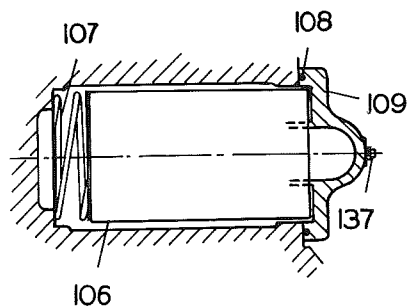


FIG. 3— Filter

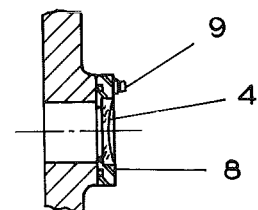


FIG. 4— Oil Sight Glass

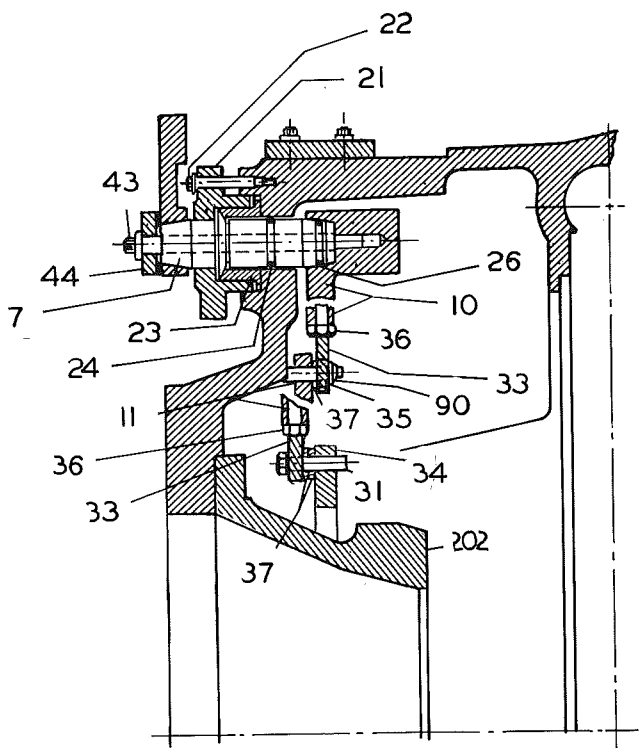


FIG. 5— Internal PRV Control Shaft

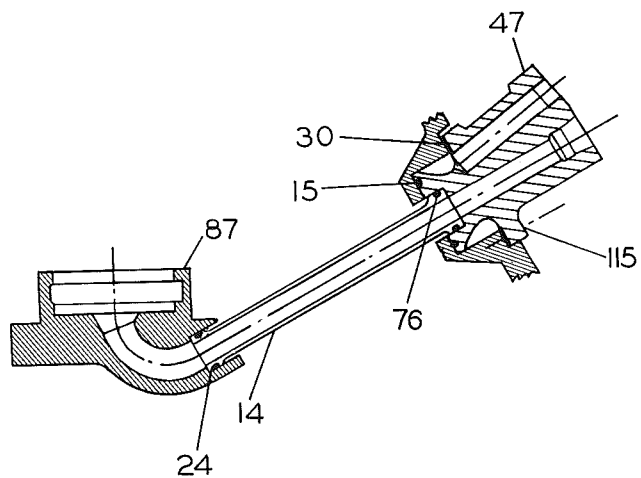


FIG. 6— Internal Oil Piping - Low Speed Oil Pump

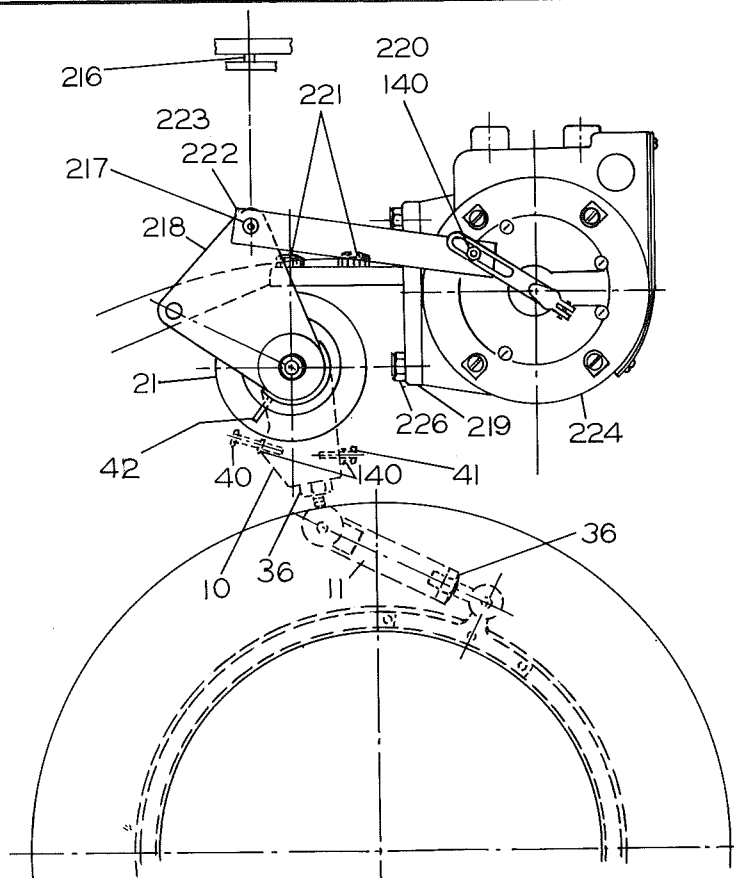


FIG. 7— Electric Motor

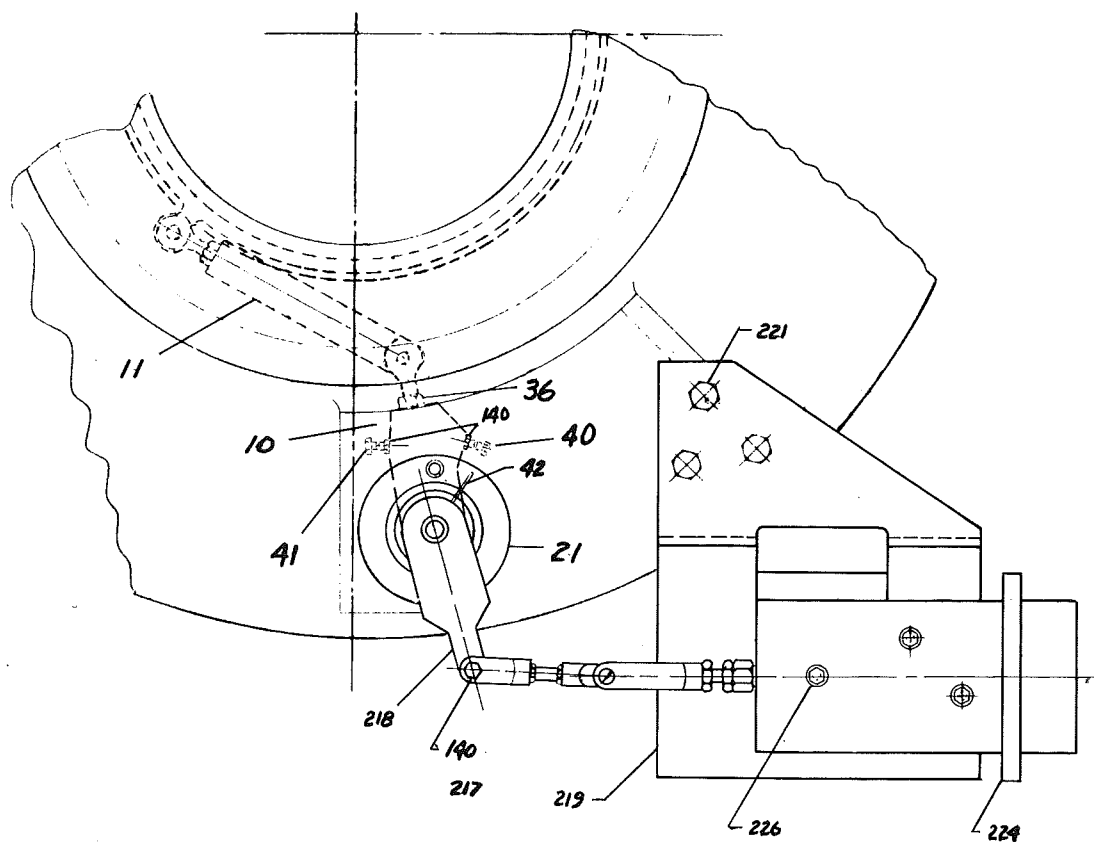
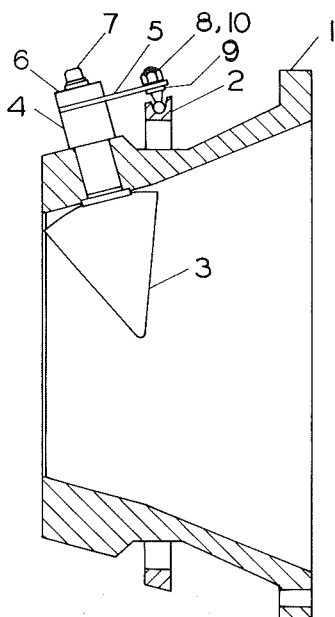


FIG. 8- Air Motor



ITEM	PART NO.	QUAN.	DESCRIPTION
1	064-13486	1	HOUSING - PRE-ROTATION (T67)
	064-13485		HOUSING - PRE-ROTATION (T76)
2	064-10815	1	RING - VANE DRIVING
3	064-10618	9	VANE - PRE-ROTATION
4	064-10819	9	WASHER, 1 1/4 OD X 25/64 ID X 23/32 TH.
5	064-10818	9	ARM - VANE
6	064-09289	9	WASHER - SPECIAL, 1 1/8 DIA X 3/8 TH.
7	021-11956	9	SCREW - CAP, 12 PT. HD. 3/8-24UNF X 2 1/4 LG.
8	029-07017	9	SCREW - BALL
9	021-11973	AS REQ'D	WASHER, 17/64 ID X 1/2 OD X .016 TH.
10	021-12943	9	NUT, 12-POINT 1/4-28NF

FIG. 9- Cross Section View of Pre-Rotation Device



BORG WARNER