



Illustrated Parts Manual

Models 50HT

3120289

August 15, 1986



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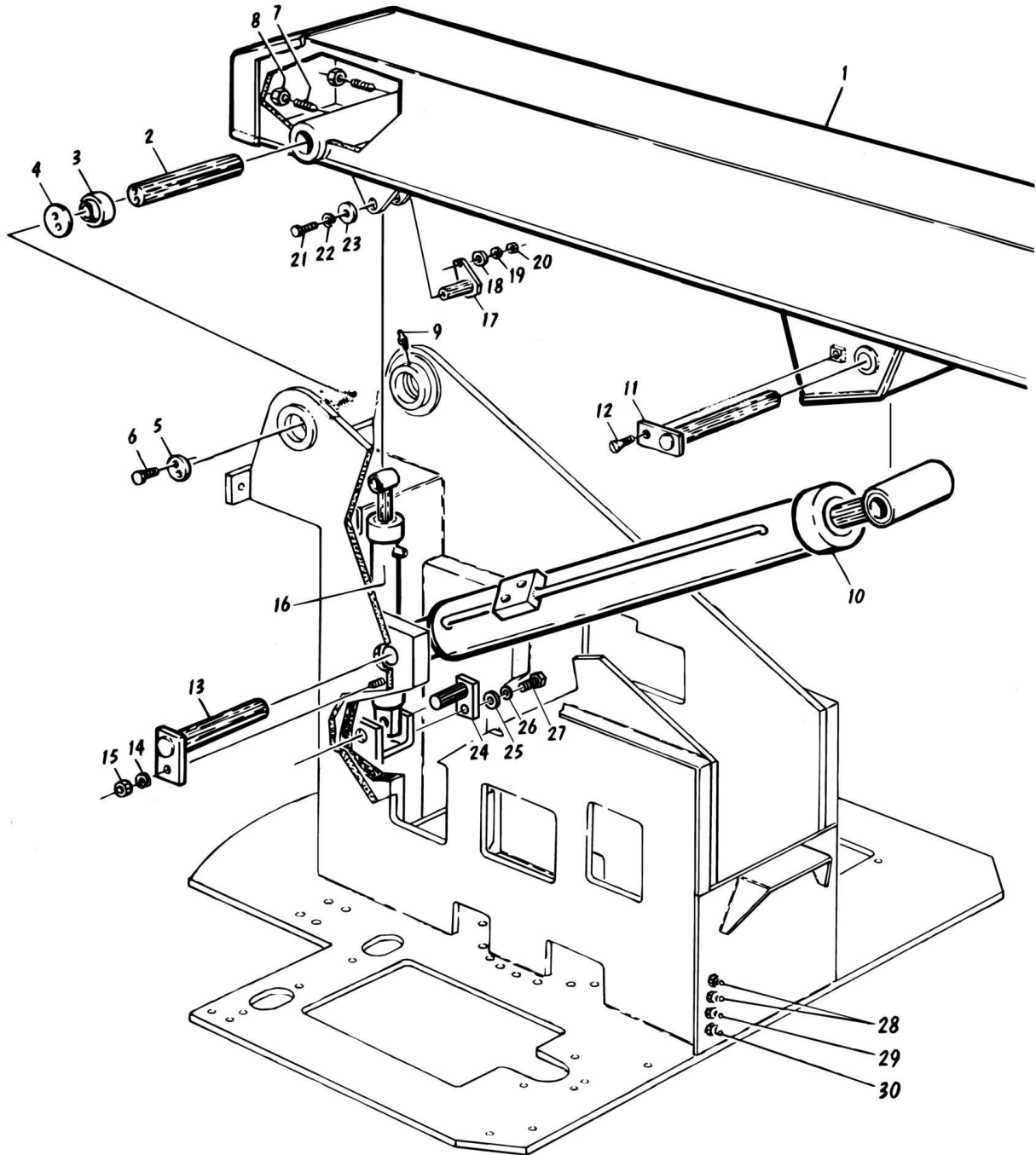
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FIGURE 1-1. BOOM, CYLINDER AND LUBE INSTALLATION



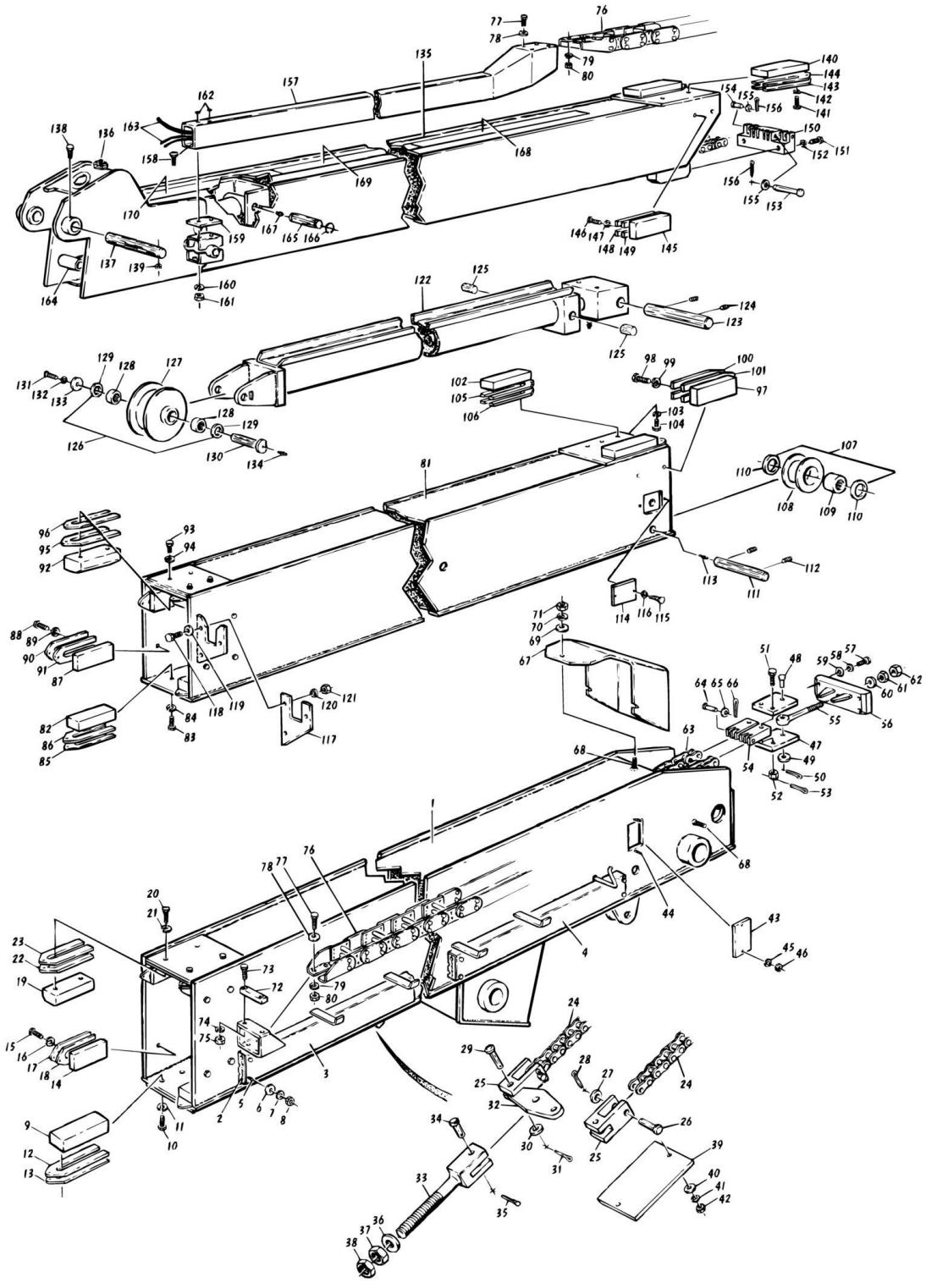
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-1. BOOM, CYLINDER AND LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	BOOM, CYLINDER AND BEARING LUBE INSTALLATION	
	0237212	Ref	BOOM INSTALLATION	
1	0800435	1	Boom Assembly	
2	3420643	1	Pin, Boom Pivot (Attaching Parts)	
3	0440084	2	Bearing, Spherical	
4	1120198	2	Cap, Boom Pivot	
5	4740171	2	Washer, Hardened	
6	0630118	2	Bolt, Special	
6	0100019	AR	Loctite	
7	3952012	2	Setscrew	
8	3312001	2	Nut, Jam	
9	2160006	2	Fitting, Grease	
10	1681612	1	Cylinder, Lift (Attaching Parts)	
11	4842383	1	Pin, Lift Cylinder (Upper)	
12	3900159	1	Screw, Flat Head	
12	0100019	AR	Loctite	
13	4842384	1	Pin, Master Cylinder (Lower)	
14	4761800	1	Lockwasher	
15	3311801	1	Nut	
16	1681563	1	Cylinder, Master (Attaching Parts)	
17	0236548	1	Pin, Master Cylinder (Upper)	
18	4751500	1	Flatwasher	
19	4761500	1	Lockwasher	
20	3311501	1	Nut	
21	0651608	1	Bolt	
22	4761600	1	Lockwasher	
23	4740006	1	Flatwasher	
23	0100019	AR	Loctite	
24	4842253	1	Pin, Master Cylinder (Lower)	
25	4751500	1	Flatwasher	
26	4761500	1	Lockwasher	
27	0641506	1	Bolt	
	0237239	Ref	CYLINDER AND BEARING LUBE INSTALLATION	
28	2751095	2	Hose (To Bearing)	
28	2160002	2	Fitting, Grease	
29	2750527	1	Hose (To Lift Cylinder)	
29	2160002	1	Fitting, Grease	
30	2750528	1	Hose (To Master Cylinder)	
30	2160002	1	Fitting, Grease	

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FIGURE 1-2. BOOM INSTALLATION



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-2. BOOM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0800435	Ref	BOOM ASSEMBLY	
1	0800438	1	Base Section	
2	4340413	3	Support, Hydraulic Lines	
3	4060638	1	Shield - 14 Gauge	
4	4060635	1	Shield - 11 Gauge (Attaching Parts)	
5	4300042	6	Stud (Welded on Part)	
6	4751400	6	Flatwasher	
7	4761400	6	Lockwasher	
8	3311401	6	Nut	
9	3340515	2	Pad, Wear (Attaching Parts)	
10	0641612	6	Bolt	
11	4761600	6	Lockwasher	
12	4070507	AR	Shim	
13	4070508	AR	Shim	
13	0100011	AR	Loctite	
14	3340404	4	Pad, Wear (Attaching Parts)	
15	0641605	8	Bolt	
16	4761600	8	Lockwasher	
17	4070546	AR	Shim	
18	4070547	AR	Shim	
18	0100011	AR	Loctite	
19	3340263	2	Pad, Wear (Attaching Parts)	
20	0641605	4	Bolt	
21	4761600	4	Lockwasher	
22	4070544	AR	Shim	
23	4070545	AR	Shim	
23	0100011	AR	Loctite	
24	1260190	2	Chain, Retract	
25	1360160	2	Clevis, Chain Attach	
26	3420414	2	Pin, Clevis	
27	4751000	2	Flatwasher	
28	3450203	2	Pin, Cotter	
29	3420867	2	Pin, Clevis Chain Adjust	
30	4751500	2	Flatwasher	
31	3450403	2	Pin, Cotter	
32	3509928	1	Plate, Clevis Attach	
33	1360100	1	Clevis, Chain Adjust	
34	3420865	1	Pin, Clevis Chain Adjust	
35	3450403	1	Pin, Cotter	
36	4750057	1	Washer, Hardened	
37	3312202	1	Nut, Jam	
38	3272201	1	Nut, Regular	
39	1670319	1	Cover Plate (Attaching Parts)	
40	4751400	2	Flatwasher	
41	4761400	2	Lockwasher	
42	3311401	2	Nut	
43	1670321	2	Cover, Base Boom Side (Attaching Parts)	
44	4300032	4	Stud (Welded on Part)	
45	4761400	4	Lockwasher	
46	3311401	4	Nut	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0236044	Ref	CHAIN ADJUSTER ASSEMBLY	
47	3509182	2	Plate, Chain Adjuster	
48	3421142	1	Pin, Clevis	
49	4740276	1	Flatwasher	
50	3450505	1	Pin, Cotter	
51	0630347	2	Bolt	
52	3311803	2	Nut, Slotted	
53	3450405	2	Pin, Cotter	
54	0560554	2	Block, Chain Adjuster	
55	0630374	1	Eyebolt	
56	4842043	1	Chain Attach Block (Attaching Parts)	
57	0641616	4	Bolt	
58	4761600	4	Lockwasher	
59	4740185	4	Flatwasher	
60	4740057	1	Washer, Hardened	
61	3312201	1	Nut	
62	3312202	1	Nut, Jam	
63	1260191	2	Chain, Extended (Attaching Parts)	
64	3420414	2	Pin, Clevis	
65	4751000	2	Flatwasher	
66	3450203	2	Pin, Cotter	
67	4060636	1	Boom Cover (Attaching Parts)	
68	4300032	3	Stud (Welded on Part)	
69	4751400	3	Flatwasher	
70	4761400	3	Lockwasher	
71	3311401	3	Nut	
72	3340481	1	Pad, Wear (Attaching Parts)	
73	0641408	2	Bolt	
74	4761400	2	Lockwasher	
75	3311401	2	Nut	
76	1180159	1	Carrier (Attaching Parts)	
77	0641408	8	Bolt	
78	4751400	8	Flatwasher	
79	4761400	8	Lockwasher	
80	3311401	8	Nut	
81	0800437	1	Mid-Section	
82	3340517	2	Pad, Wear (Attaching Parts)	
83	0641609	6	Bolt	
84	4761600	6	Lockwasher	
85	4070507	AR	Shim	
86	4070508	AR	Shim	
86	0100011	AR	Loctite	
87	3340450	4	Pad, Wear (Attaching Parts)	
88	0641605	8	Bolt	
89	4761600	8	Lockwasher	
90	4070546	AR	Shim	
91	4070547	AR	Shim	
91	0100011	AR	Loctite	
92	3340263	2	Pad, Wear (Attaching Parts)	
93	0641605	4	Bolt	
94	4761600	4	Lockwasher	

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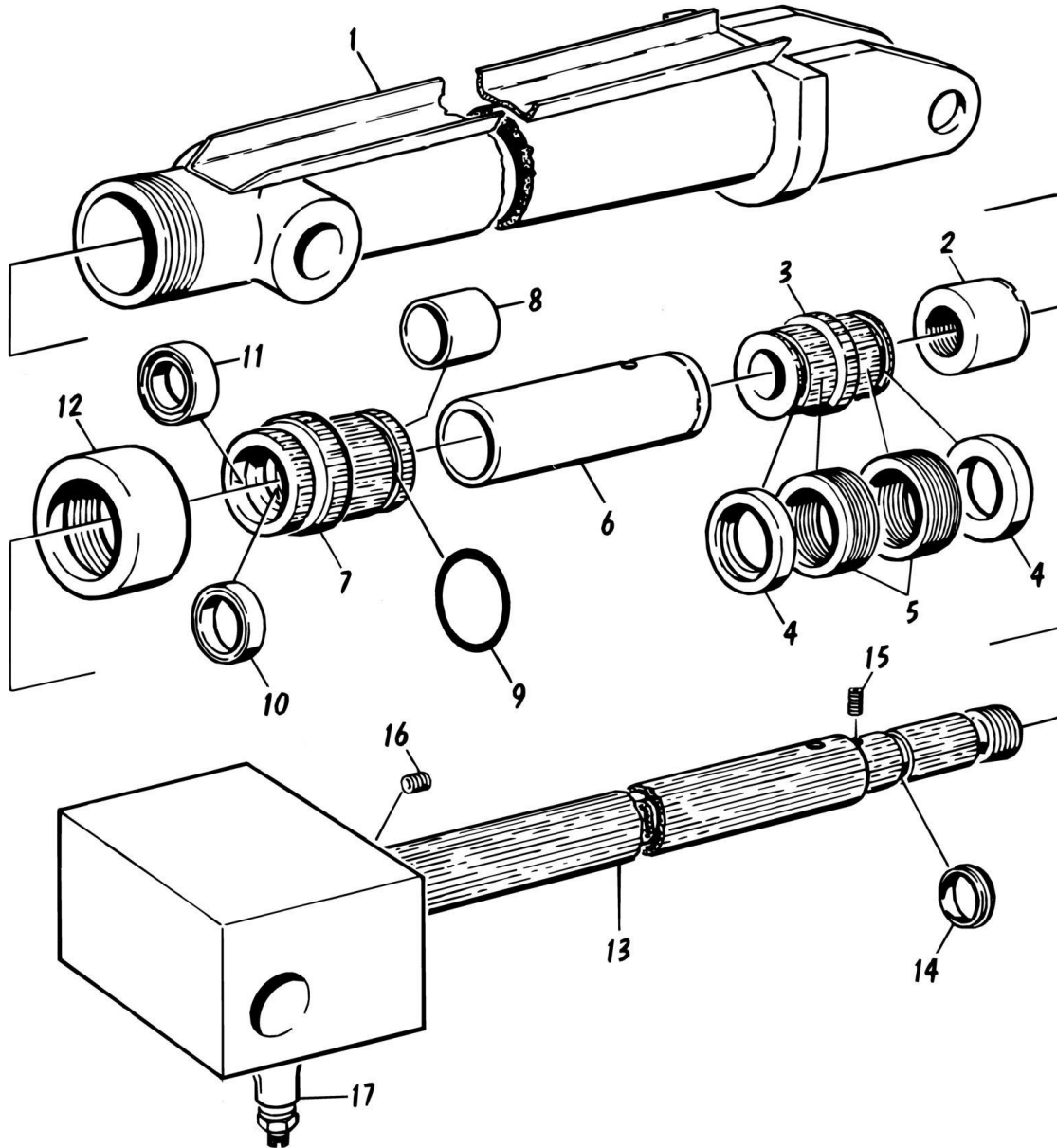
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
95	4070544	AR	Shim	
96	4070545	AR	Shim	
96	0100011	AR	Loctite	
97	3340404	2	Pad, Wear (Attaching Parts)	
98	0641608	4	Bolt	
99	4761600	4	Lockwasher	
100	4070546	AR	Shim	
101	4070547	AR	Shim	
101	0100011	AR	Loctite	
102	3340520	2	Pad, Wear (Attaching Parts)	
103	0641606	6	Bolt	
104	4761600	6	Lockwasher	
105	4070556	AR	Shim	
106	4070557	AR	Shim	
106	0100011	AR	Loctite	
107	0233389	2	Sheave Assembly	
108	3580037	1	Sheave	
109	0440082	1	Bearing, Needle	
110	3960212	2	Seal	
111	3421145	1	Pin, Sheave (Attaching Parts)	
112	3951608	2	Setscrew	
112	0100011	AR	Loctite	
113	2160002	1	Fitting, Grease	
114	0360372	2	Bar (Attaching Parts)	
115	0641608	4	Bolt	
116	4761600	4	Lockwasher	
116	0100011	AR	Loctite	
117	4340454	1	Support, Mid Boom (Attaching Parts)	
118	0641410	3	Bolt	
119	4751400	3	Flatwasher	
120	4761400	3	Lockwasher	
121	3311401	3	Nut	
122	1681617	1	Cylinder, Telescope (Attaching Parts)	
123	3420420	1	Pin	
124	3951608	2	Setscrew	
124	0100011	AR	Loctite	
125	3420645	2	Pin, Trunion	
126	0237172	1	Sheave Assembly	
127	3580114	1	Sheave	
128	0440173	2	Bearing, Needle	
129	3960212	2	Seal	
130	3421214	1	Pin, Sheave (Attaching Parts)	
131	0651810	1	Bolt	
132	4761800	1	Lockwasher	
133	4740003	1	Washer, Hardened	
133	0100011	1	Loctite	
134	2160002	1	Fitting, Grease	
135	0800436	1	Fly Section	
136	1320052	1	Clamp (Welded on Part)	
137	3421088	1	Pin, Boom Nose (Attaching Parts)	
138	0641622	1	Bolt	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
139	3311605	1	Nut	
139	0100011	AR	Loctite	
140	3340453	2	Pad, Wear (Attaching Parts)	
141	3931612	4	Bolt	
142	4761600	4	Lockwasher	
143	4070507	AR	Shim	
144	4070508	AR	Shim	
144	0100011	AR	Loctite	
145	3340450	2	Pad, Wear (Attaching Parts)	
146	0641605	4	Bolt	
147	4761600	4	Lockwasher	
148	4070546	AR	Shim	
149	4070547	AR	Shim	
149	0100011	AR	Loctite	
150	0560690	1	Block Chain Adjustment (Attaching Parts)	
151	0630163	2	Bolt	
152	4761800	2	Lockwasher	
152	0100011	AR	Loctite	
	1260191	1	Chain Extended (Attaching Parts)	
153	3420650	2	Pin, Clevis	
154	3421029	1	Pin, Clevis	
155	4751000	3	Flatwasher	
156	3450203	3	Pin, Cotter	
157	1180111	1	Carrier Tube (Attaching Parts)	
158	0641644	2	Bolt	
159	4280242	1	Strip, Reinforcing	
160	4751600	2	Flatwasher	
161	3311605	2	Nut	
162	3520029	2	Plug, Hole	
163	1060229	67 ft	Cable (16/30 - 1 Piece)	
163	1060012	134 ft	Cable (12/4 - 2 Pieces)	
164	1681548	1	Cylinder, Slave (Attaching Parts)	
165	3421207	1	Pin, Slave Level	
166	3760133	2	Ring, Retainer	
167	2160002	1	Fitting, Grease	
	0237370	Ref	BOOM TAPE INSTALLATION	
168	4420018	7.5 ft	Tape, Plastic (Blue)	
169	4420016	2.3 ft	Tape, Plastic (Yellow)	
170	4420017	3.1 ft	Tape, Plastic (Red)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-3. TELESCOPE CYLINDER ASSEMBLY



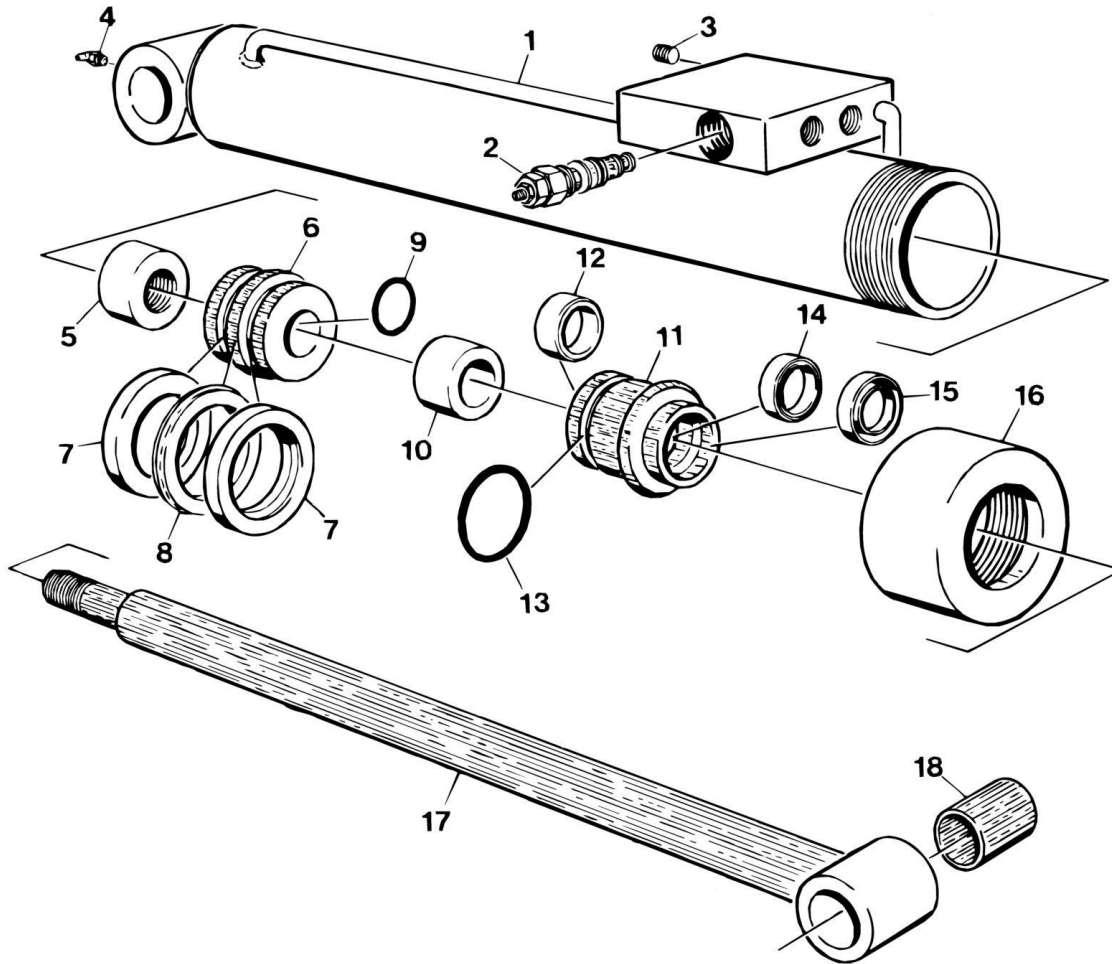
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-3. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1681617	Ref	TELESCOPE CYLINDER ASSEMBLY	
1	1681619	1	Barrel	
2	3300086	1	Nut	
2	0100011	AR	Loctite	
3	3480092	1	Piston	
4	3760198	2	Ring, Piston	
5	3960285	2	Seal, Piston	
6	4562756	1	Spacer	
7	1681283	1	Head	
8	3760197	1	Band, Wear	
9	3780164	1	O-Ring	
10	3960350	1	Seal, Rod	
11	3960134	1	Wiper, Rod	
12	1120108	1	End Cap	
13	1681621	1	Rod	
14	3960179	1	Seal	
15	3951405	1	Screw, Set	
15	0100011	AR	Loctite	
16	2200222	1	Plug, Pipe	
17	4640212	1	Valve	
	2900347	1	Seal Kit (Includes Items 4, 5, 8, 9, 10, 11 & 14)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-4. SLAVE CYLINDER ASSEMBLY



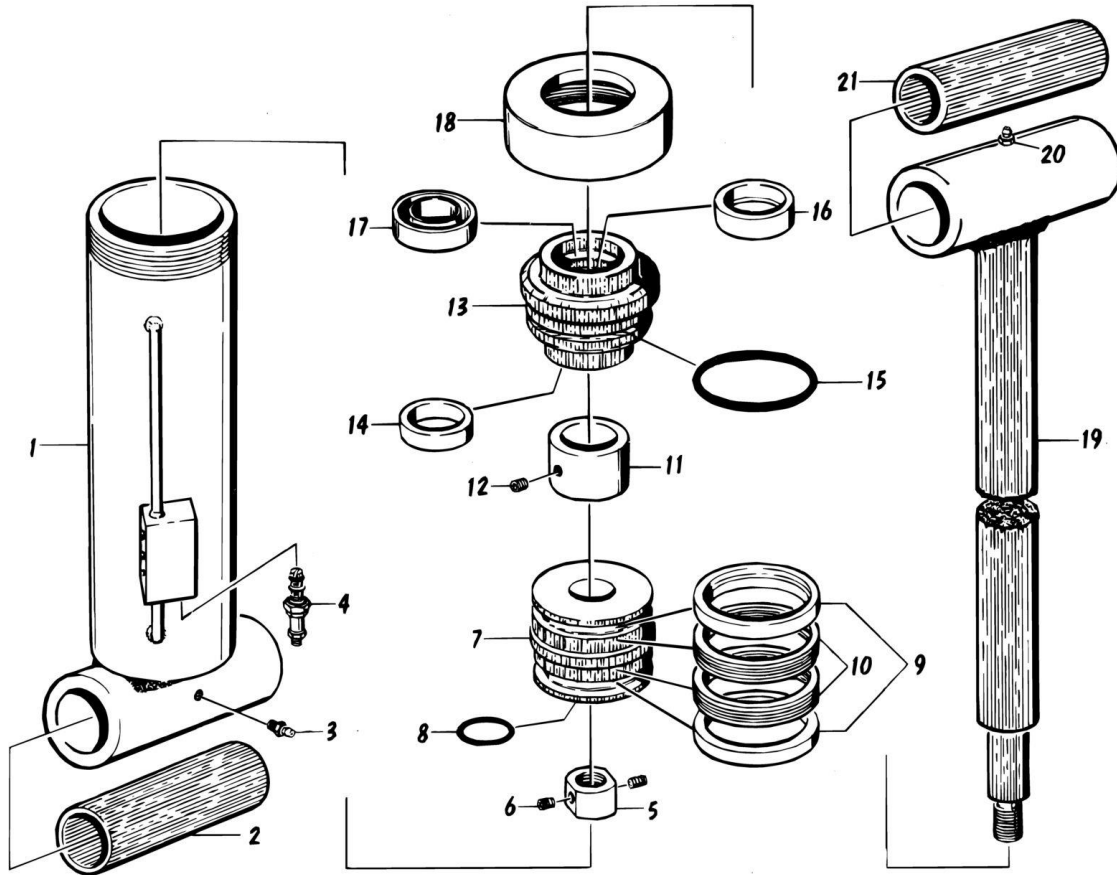
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-4. SLAVE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1681548	Ref	SLAVE CYLINDER ASSEMBLY	
1	1680751	1	Barrel	
2	4640495	2	Valve	
3	2200213	2	Fitting, Pipe Plug	
4	2160001	AR	Fitting, Grease	
5	3300101	1	Nut	
5	0100011	AR	Loctite	
6	3480107	1	Piston	
7	3760220	2	Ring, Lock	
8	3960329	1	Seal, Piston	
9	3790212	1	O-Ring	
10	1440142	1	Spacer	
11	1681635	1	Head	
12	3760112	1	Ring, Wear	
13	3790330	1	O-Ring	
14	3960349	1	Seal, Rod	
15	3960128	1	Wiper, Seal	
16	1120179	1	End Cap	
17	1681331	1	Rod	
18	0960097	1	Bushing, Bronze	
18	0460039	1	Bellows	
18	2900352	1	Seal Kit (Kit Includes Items 6, 7, 8, 11, 12, 13 & 14)	

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FIGURE 1-5. LIFT CYLINDER ASSEMBLY



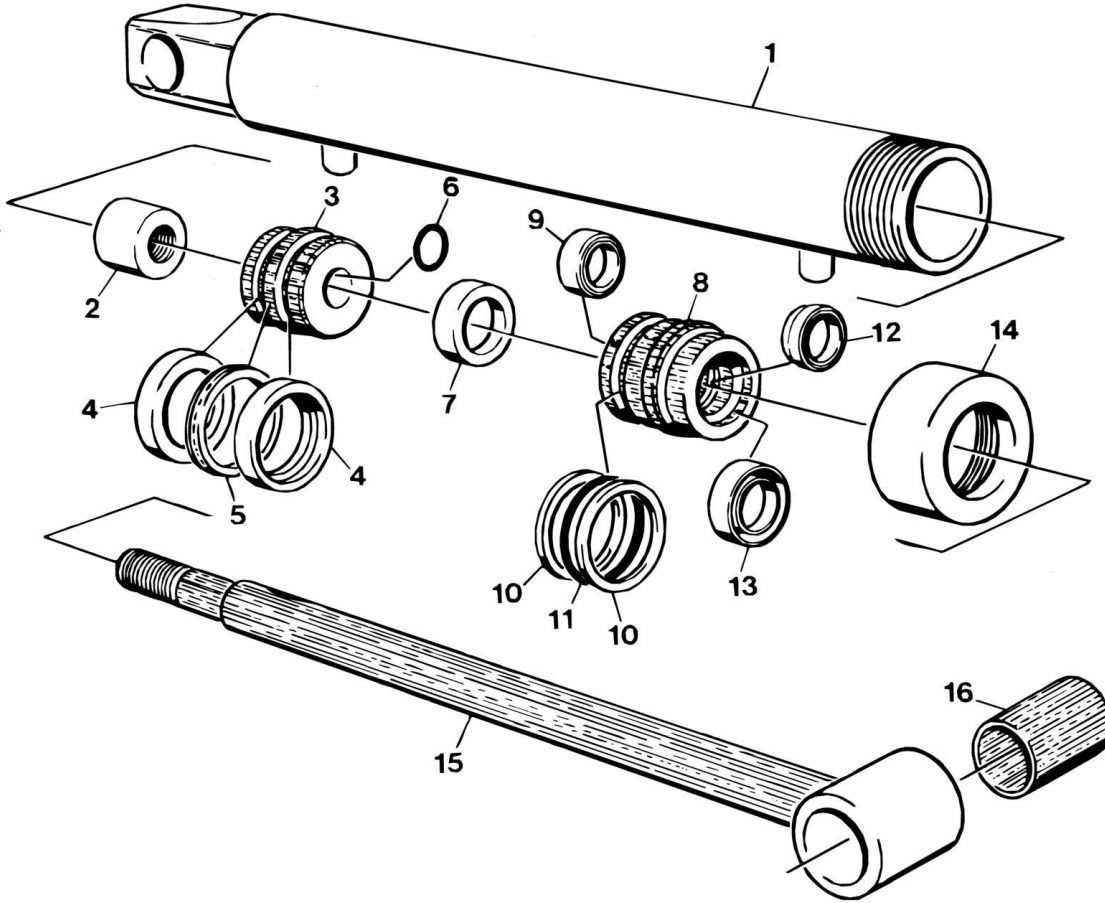
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-5. LIFT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1681612	Ref	LIFT CYLINDER ASSEMBLY	
1	1681615	1	Barrel Assembly	
2	0961086	1	Bushing	
3	2160002	1	Fitting, Grease	
4	4640489	1	Valve	
5	3300210	1	Nut	
6	3900139	2	Set Screw	
6	0100011	AR	Loctite	
7	3480105	1	Piston	
8	3780165	1	O-Ring	
9	3760208	2	Ring, Lock	
10	3960314	2	Seal, Piston	
11	4563153	1	Spacer	
12	3900139	1	Set Screw	
12	0100011	AR	Loctite	
13	1681618	1	Head	
14	3760132	1	Wear Band	
15	3780172	1	O-Ring	
16	3960351	1	Rod Seal	
17	3960158	1	Wiper Seal	
18	1120160	1	Head	
19	1681613	1	Rod Assembly	
20	2160002	1	Fitting, Grease	
21	0961086	1	Bushing	
	2900375	1	Seal Kit (Includes Items 8, 9, 10, 14, 15, 16 & 17)	

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FIGURE 1-6. MASTER CYLINDER ASSEMBLY



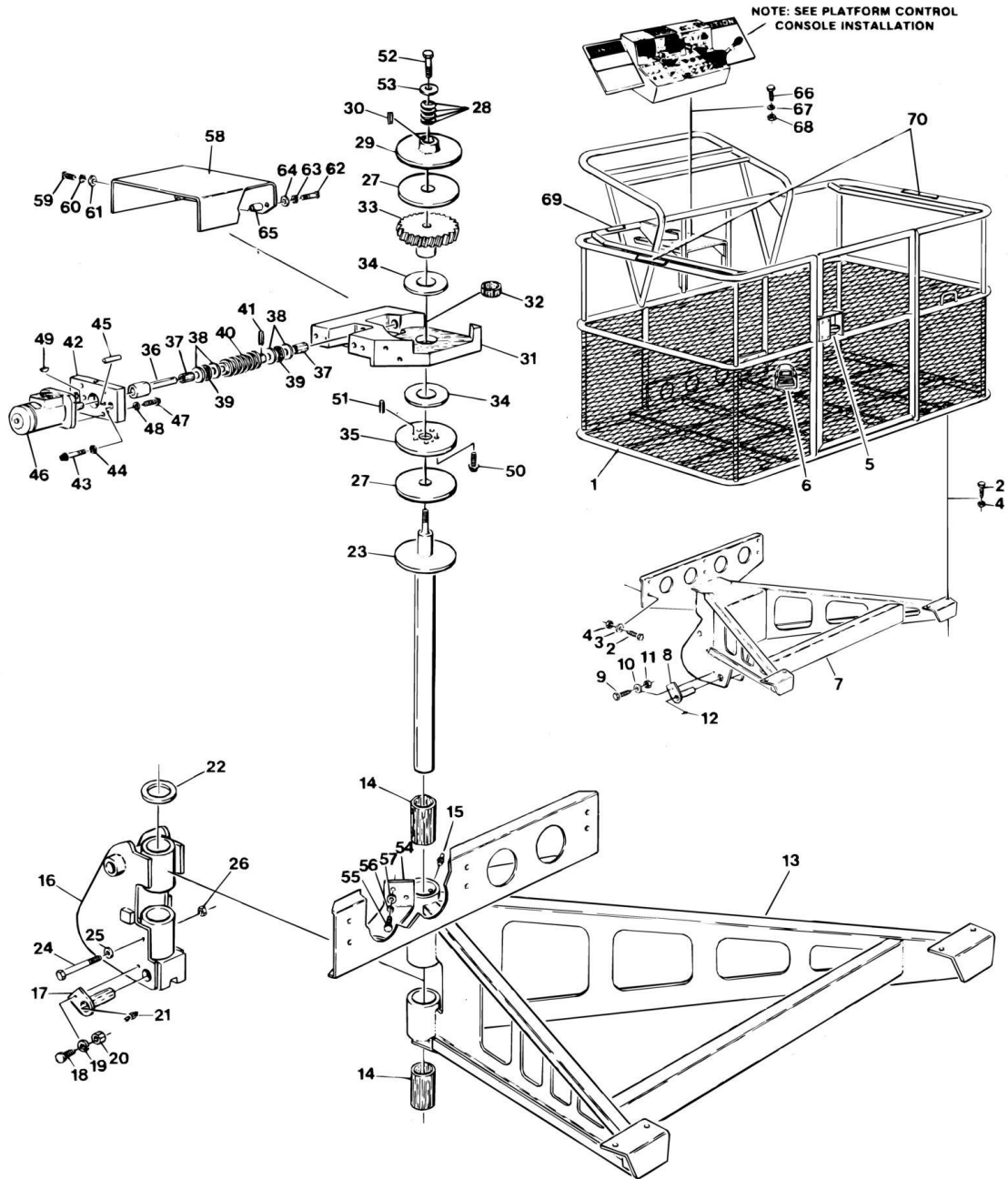
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-6. MASTER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1681563	Ref	MASTER CYLINDER ASSEMBLY	
1	1680675	1	Barrel	
2	3300101	1	Nut	
2	0100011	AR	Loctite	
3	3480107	1	Piston	
4	3760220	2	Ring, Guidelock	
5	3960329	1	Seal, Piston	
6	3790212	1	O-Ring	
7	1440142	1	Spacer	
8	1680892	1	Head	
9	3760112	1	Ring, Wear	
10	3760176	2	Ring, Back-Up	
11	3790330	1	O-Ring	
12	3960129	1	Seal, Rod	
13	3960128	1	Seal, Wiper	
14	1120179	1	End Cap	
15	1681401	1	Rod	
16	0960097	1	Bushing, Bronze	
16	0460058	1	Bellows	
16	2900352	1	Seal Kit (Kit Includes Items 4, 5, 6, 9, 10, 11, 12 & 13)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-7. PLATFORMS AND CONTROL STANDS ASSEMBLIES AND INSTALLATION



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-7. PLATFORMS AND CONTROL STANDS ASSEMBLIES AND INSTALLATION

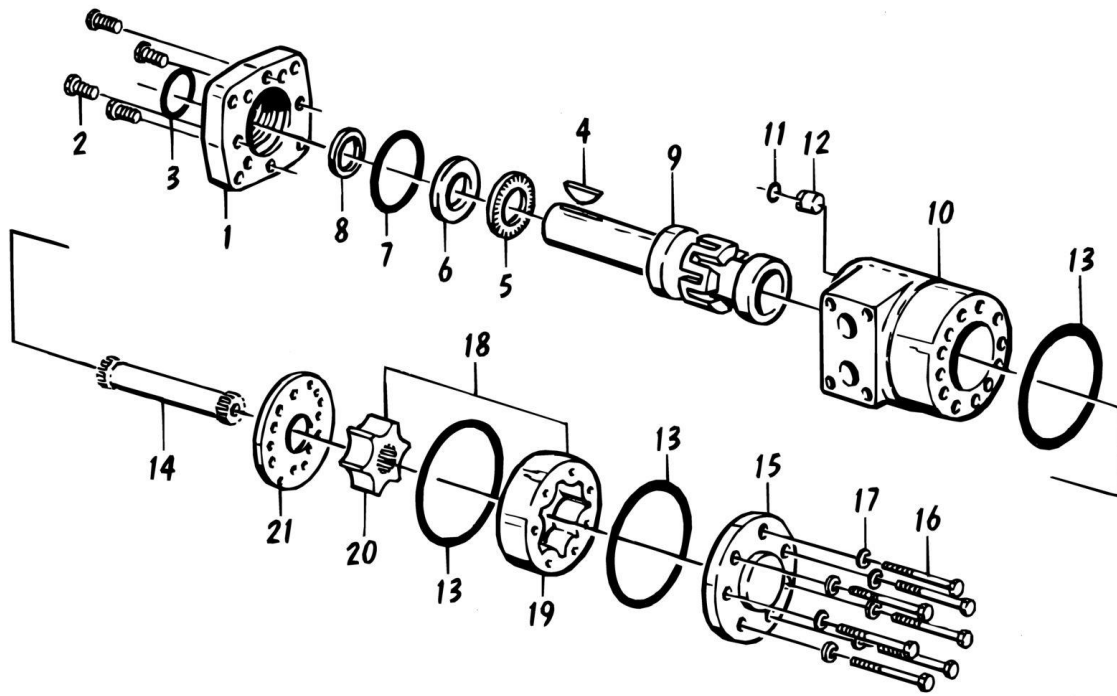
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORMS AND CONTROL STANDS ASSEMBLIES AND INSTALLATIONS	
1	3510138	1	Platform (3ft x 4ft)	
1	3510141	1	Platform (3ft x 5ft)	
1	3510148	1	Platform (3ft x 6ft) (Attaching Parts)	
2	0630068	10	Bolt	
2	0681610	10	Bolt - Fixed Support	
3	4751600	10	Flatwasher	
4	3300143	10	Nut	
5	2940006	1	Latch, Door (Attaching Parts)	
5	3911012	4	Screw	
5	4751000	4	Flatwasher	
5	4761000	4	Lockwasher	
5	3311001	4	Nut	
	0233861	Ref	FOOTSWITCH INSTALLATION	
6	4360031	1	Footswitch (Attaching Parts)	
6	0641410	3	Bolt	
6	4751400	3	Flatwasher	
6	4761400	3	Lockwasher	
6	3311401	3	Nut	
	3250453	1	Decal, Footswitch	
	0236830	Ref	FIXED SUPPORT INSTALLATION	
7	4842403	1	Fixed Support	
8	3421176	1	Pin (Attaching Parts)	
9	0641608	1	Bolt	
10	4761600	1	Lockwasher	
11	3311601	1	Nut	
12	2160002	2	Fitting, Grease - Straight	
	0236831	Ref	SUPPORT AND ROTATOR INSTALLATION	
13	0236261	1	Rotating Support	
14	0960564	2	Bushing, Bronze	
15	2160002	2	Fitting, Grease - Straight	
16	0236741	1	Pivot Attachment	
17	3421176	1	Pin (Attaching Parts)	
18	0641608	1	Bolt	
19	4761600	1	Lockwasher	
20	3311601	1	Nut	
21	2160002	2	Fitting, Grease - Straight	
22	4740158	1	Washer, Thrust	
23	4842046	1	Shaft (Attaching Parts)	
24	0641836	1	Bolt	
25	4751800	1	Flatwasher	
26	3311805	1	Nut	
27	3340454	2	Pad, Brake	
28	4160026	8	Washer, Bellville Spring	
29	1120299	1	Cap	
30	2880404	1	Keystock	
	0235238	Ref	HYDRAULIC ROTATOR ASSEMBLY	
31	2760064	1	Housing, Gear	
32	0440135	1	Bearing, Sleeve	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
33	2440044	1	Gear, Worm	
34	4740256	2	Washer, Thrust	
35	1760068	1	Brake, Disc	
36	0080098	1	Adapter (Motor To Worm Gear)	
37	0440134	2	Bearing, Sleeve	
38	4740199	4	Washer, Thrust	
39	0440120	2	Bearing, Needle	
40	2440043	1	Gear, Worm	
41	3440816	1	Pin, Roll	
42	0080099	1	Adapter, Motor	
43	3931620	2	Bolt, Socket Head	
44	4761600	2	Lockwasher	
45	3441228	2	Pin, Roll	
46	3160083	1	Motor, Hydraulic	
47	3931612	4	Bolt, Socket Head	
48	4761600	4	Lockwasher	
49	2860011	1	Key, Woodruff	
50	3931010	5	Bolt, Socket Head	
51	3440616	2	Pin, Roll	
51	4070585	AR	Shim, Rotator (Not Shown)	
51	4070586	AR	Shim, Rotator (Not Shown)	
51	4070587	AR	Shim, Rotator (Not Shown) (Attaching Parts)	
52	0652014	1	Bolt	
53	4752000	1	Lockwasher	
54	3200194	1	Mount (Welded On Part) (Attaching Part)	
55	0641811	2	Bolt	
56	4761800	2	Lockwasher	
57	4751800	2	Flatwasher	
58	1670322	1	Cover (Attaching Parts)	
59	0641404	1	Bolt	
60	4761400	1	Lockwasher	
61	4751400	1	Flatwasher	
62	0641408	1	Bolt	
63	4761400	1	Lockwasher	
64	4751400	1	Flatwasher	
65	4562083	1	Spacer	
66	0661404	4	Bolt	
67	4751400	4	Flatwasher	
68	3300181	4	Nut	
69	1700477	1	Decal, Attach Belt	
70	1700476	2	Decal, No Hands	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-8. HYDRAULIC MOTOR ASSEMBLY



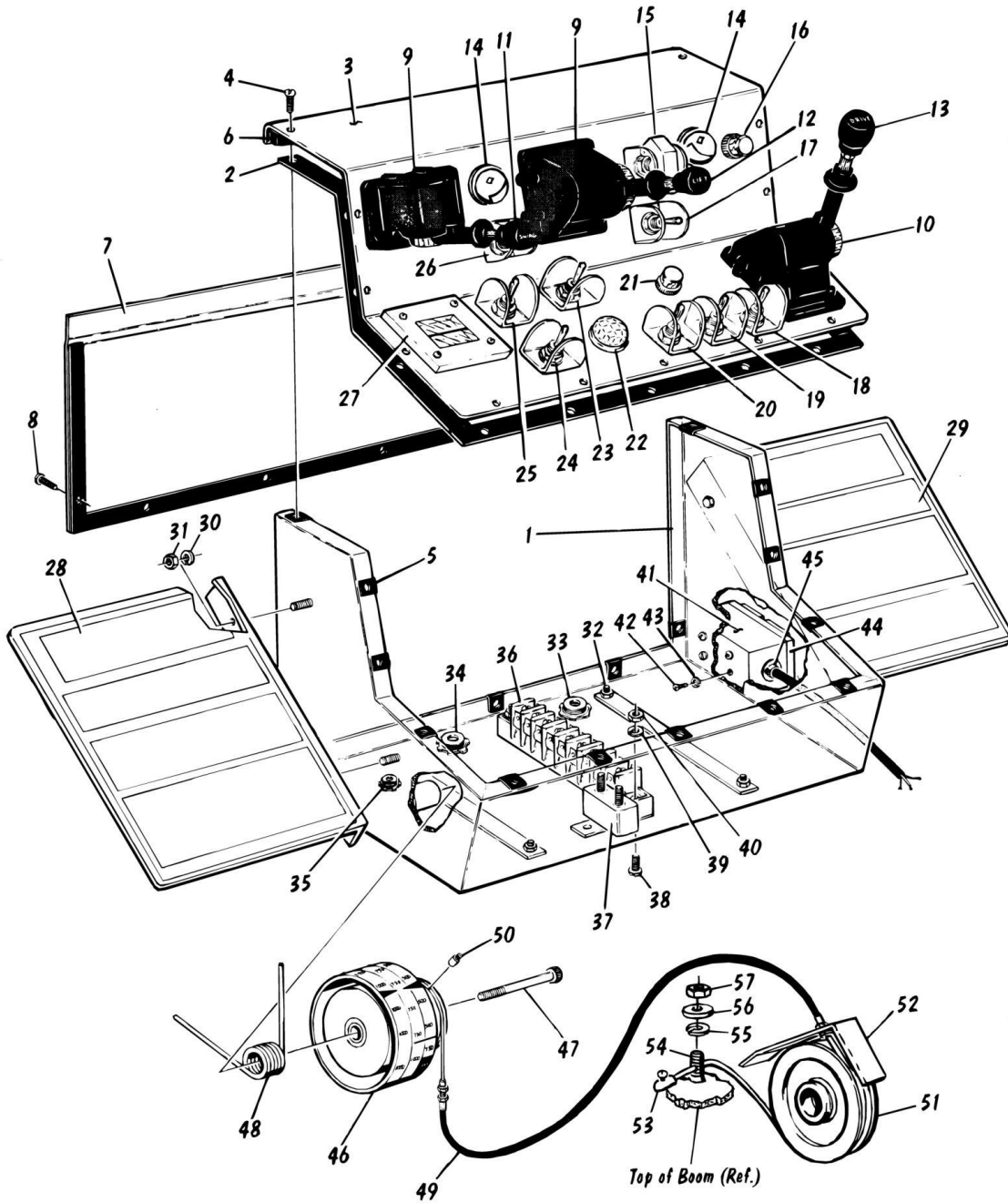
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-8. HYDRAULIC MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160083	Ref	HYDRAULIC MOTOR ASSEMBLY	
1	7002105	1	Flange, Mounting (Attaching Parts)	
2	7002123	4	Screw, Cap	
3	7002124	1	Seal, Dust	
4	7002104	1	Key, Woodruff	
5	7002111	1	Bearing, Thrust Needle	
6	7002117	1	Thrust, Bearing Race	
7	7002119	1	Seal, O-Ring	
8	7002120	1	Seal, Pressure	
9	7002116	1	Shaft, Output	
10	7002103	1	Housing	
11	7002118	1	Seal	
12	7002114	1	Plug, Housing	
13	7002115	3	Seal, O-Ring	
14	7002112	1	Drive	
15	7002107	1	Cap, End (Attaching Parts)	
16	7002100	7	Screw, Cap	
17	7000166	7	Lockwasher	
18	7002125	1	Gerotor Sub-Assembly	
19	7002101	1	Ring	
20	7002102	1	Star	
21	7002110	1	Plate, Spacer	
	2900455	1	Seal Kit (Includes Items 3, 7, 8, 11 & 12)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-9. PLATFORM CONTROL BOX INSTALLATION



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-9. PLATFORM CONTROL BOX INSTALLATION

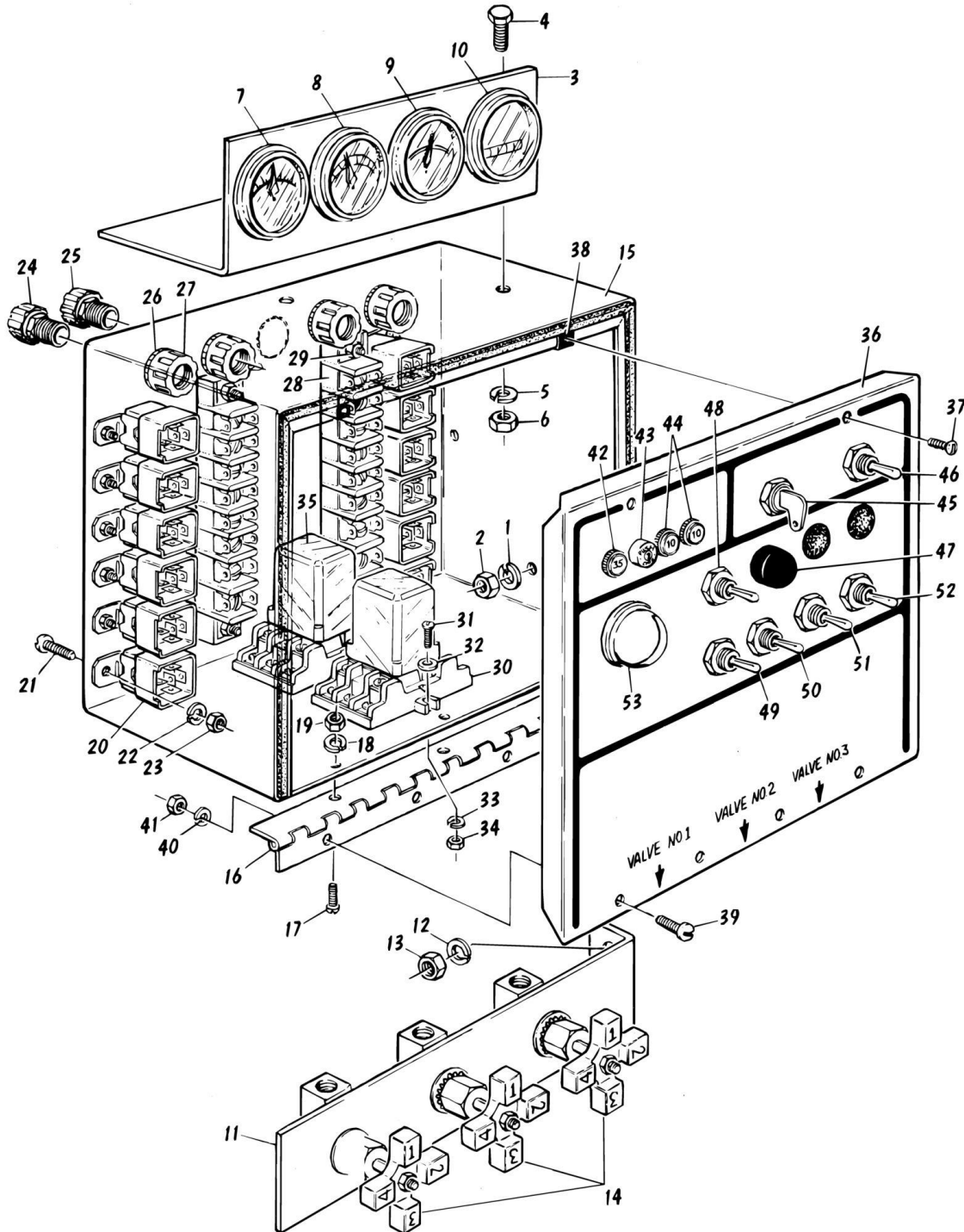
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM CONTROL BOX INSTALLATION	
	0237042	Ref	CONSOLE BOX ASSEMBLY - WITH CAPACITY INDICATOR WITH ADECO THROTTLE	
	0237041	Ref	CONSOLE BOX ASSEMBLY - WITHOUT CAPACITY INDICATOR WITH ADECO THROTTLE	
1	0860472	1	Box, Console	
2	4420038	AR	Tape, Insulation	
3	3251537	1	Decal, Console (Attaching Parts)	
4	0751006	13	Screw, Pan Head	
5	3300177	13	Nut, Tinnerman	
6	3960250	1	Weatherstrip	
6	0100001	AR	Adhesive	
7	3509858	1	Plate (Attaching Parts)	
8	0751006	5	Screw, Pan Head	
8	3300177	5	Nut, Tinnerman	
9	1600094	2	Controller, PQ (Attaching Parts)	
9	0640803	8	Bolt	
9	4760800	8	Lockwasher	
10	1600094	1	Controller, PQ (Attaching Parts)	
10	0640803	4	Bolt	
10	4760800	4	Lockwasher	
11	2560040	1	Knob, Swing	
12	2560038	1	Knob, Lift	
13	2560041	1	Knob, Drive	
14	2920024	2	Panel Lights (Optional)	
15	4360199	1	Switch, Emergency Stop - SPST	
15	4360141	1	Guard, Switch	
15	3790012	1	O-Ring	
15	4060087	1	Shield, Toggle Switch	
16	4360016	1	Switch, Horn	
17	4360204	1	Switch, Auxiliary Power - DPST/MC	
18	4360199	1	Switch, Engine Speed - SPST	
18	3790012	1	O-Ring	
18	4060087	1	Guard, Toggle Switch	
19	4360199	1	Switch, Drive Speed - SPST	
19	3790012	1	O-Ring	
19	4060087	1	Guard, Toggle Switch	
20	4360199	1	Switch, 2 Wheel Drive - SPST	
20	3790012	1	O-Ring	
20	4060087	1	Guard, Toggle Switch	
21	4360016	1	Switch, Start	
22	2920015	1	Lamp	
23	4360202	1	Switch, Platform Rotate - DPDT/MC/C.OFF	
23	3790012	1	O-Ring	
23	4060087	1	Guard, Toggle Switch	
24	4360202	1	Switch, Steer - DPDT/MC/C.OFF	
24	3790012	1	O-Ring	
24	4060087	1	Guard, Toggle Switch	
25	4360202	1	Switch, Telescope DPDT/MC/C.OFF	
25	3790012	1	O-Ring	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
25	4060087	1	Guard, Toggle Switch	
26	4360202	1	Switch, Platform DPDT/MC/C.OFF	
26	3790012	1	O-Ring	
26	4060087	1	Guard, Toggle Switch	
27	2960006	1	Lens, Capacity Indicator (Attaching Parts)	
27	3960251	1	Gasket	
27	3911014	4	Screw	
27	4771000	4	Lockwasher	
27	3311001	4	Nut	
	3251551	1	Decal - 500Lb Capacity - Used only on console without capacity indicator. (Not Shown)	
28	3251548	1	Decal, Caution	
29	3251549	1	Decal, Danger (Attaching Parts)	
30	4761400	4	Lockwasher	
31	3311401	4	Nut	
32	0641407	4	Bolt	
32	4751400	4	Flatwasher	
32	3311405	8	Nut, Lock	
33	4460071	1	Connector	
33	3300048	1	Nut	
34	4460051	1	Connector	
34	3300048	1	Nut	
35	4460052	1	Connector	
35	3300047	1	Nut	
36	4460253	1	Terminal Strip	
37	4360209	1	Circuit Breaker (Attaching Parts)	
38	3921016	2	Screw	
39	4761000	2	Lockwasher	
40	3311001	2	Nut	
41	0860036	1	Box, Switch (Attaching Parts)	
42	3911008	4	Screw	
43	4761000	4	Lockwasher	
44	4060092	1	Shield, Weatherproof	
44	4460190	1	Terminal, Receptable (Not Shown)	
45	4460049	1	Connector	
45	0960707	1	Bushing, Reducer	
46	2420050	1	Gauge, Capacity, Indicator (Attaching Parts)	
47	3900111	1	Bolt, Special	
47	0100011	AR	Loctite	
48	4160058	1	Spring, Torsion	
49	1060168	1	Cable, Push Pull	
50	4220044	2	Throttle Stop	
	0236834	Ref	CAPACITY INDICATOR INSTALLATION	
51	3580092	1	Pulley	
52	1670340	1	Cover, Pulley	
53	4220044	1	Stop, Throttle (Attaching Parts)	
54	4300041	1	Stud (Welded on Part)	
55	4761800	1	Lockwasher	
56	4751600	1	Flatwasher	
57	3311605	1	Nut	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-10. GROUND CONTROLS ASSEMBLIES AND INSTALLATIONS



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-10. GROUND CONTROLS ASSEMBLIES AND INSTALLATIONS

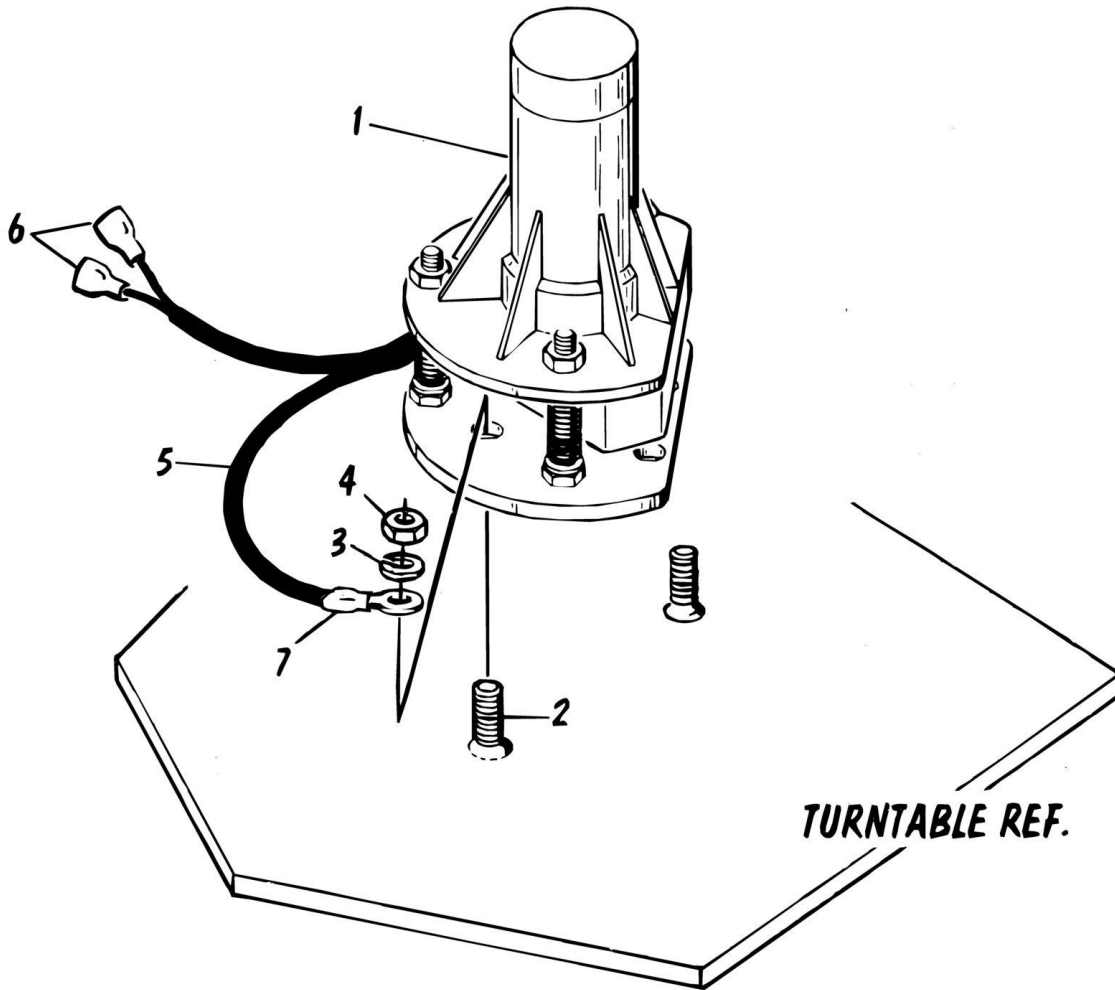
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	GROUND CONTROLS ASSEMBLIES AND INSTALLATION	
	0236559	Ref	GROUND CONTROLS INSTALLATION WITHOUT PROPORTIONAL TELESCOPE	
	0236883	Ref	GROUND CONTROLS INSTALLATION WITH PROPORTIONAL TELESCOPE	
	0860513	1	Ground Controls Box Assembly (Without Proportional Telescope)	
	0860515	1	Ground Controls Box Assembly (With Proportional Telescope) (Attaching Parts)	
1	4761400	3	Lockwasher	
2	3311401	3	Nut	
3	3380309	1	Panel, Gauge (Attaching Parts)	
4	0641406	3	Bolt	
5	4761400	3	Lockwasher	
6	3311401	3	Nut	
7	2420006	1	Gauge, Ammeter	
8	2420035	1	Gauge, Oil Pressure (Optional)	
9	2420019	1	Gauge, Water Temperature (Optional)	
10	2420009	1	Gauge, Hourmeter	
11	0901192	1	Bracket, Manual Descent (Attaching Parts)	
12	4761600	2	Lockwasher	
13	3311601	2	Nut	
14	4640005	3	Valve, Needle	
	0237067	Ref	MAIN TERMINAL BOX ASSEMBLY	
15	0860487	1	Box	
15	4280237	1	Strip, Rubber	
15	0100001	AR	Adhesive	
16	2600093	1	Hinge (Attaching Parts)	
17	3911012	3	Screw	
18	4761000	3	Lockwasher	
19	3311001	6	Nut	
20	3740049	12	Relay - SPDT (Attaching Parts)	
21	3911008	12	Screw, Round Head	
22	4761000	12	Lockwasher	
23	3311001	12	Nut	
24	4460051	3	Connector	
25	4460071	1	Connector	
26	3300048	4	Locknut, Conduit	
27	0960238	4	Bushing	
28	4460263	2	Terminal Strip (Attaching Parts)	
29	3910610	4	Screw, Round Head	
29	4760600	4	Lockwasher	
29	3310601	4	Nut	
30	4120002	2	Relay, Socket (Attaching Parts)	
31	3910610	4	Screw, Round	
32	4751000	4	Flatwasher	
33	4760600	4	Lockwasher	
34	3310601	4	Nut	
35	3740016	2	Relay	
36	3251650	1	Lid (Attaching Parts)	
37	2080018	2	Screw (Top)	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	3300177	2	Nut, Tinnerman	
39	3911006	4	Screw (Bottom)	
40	4761000	4	Lockwasher	
41	3311001	4	Nut	
42	4360186	1	Circuit Breaker (35 Amp)	
43	4360212	1	Circuit Breaker (3 Amp)	
44	4360069	2	Circuit Breaker (10 Amp)	
45	4360003	1	Switch, Master	
46	4360073	1	Switch, Control Selection DPDT	
46	3790012	1	O-Ring	
47	4360016	1	Switch Pushbutton Start	
48	4360199	1	Switch, Ignition SPST	
48	3790012	1	O-Ring	
49	4360204	1	Switch, Auxiliary Power DPST/MC	
49	3790012	1	O-Ring	
50	4360202	1	Switch, Lift DPDT/MC-Center Off	
50	3790012	1	O-Ring	
51	4360202	1	Switch, Swing DPDT/MC-Center Off	
51	3790012	1	O-Ring	
52	4360202	1	Switchm Telescope DPDT/MC-Center Off	
52	3790012	1	O-Ring	
53	2920024	1	Light, Panel (Optional)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-11. TILT INDICATOR INSTALLATION



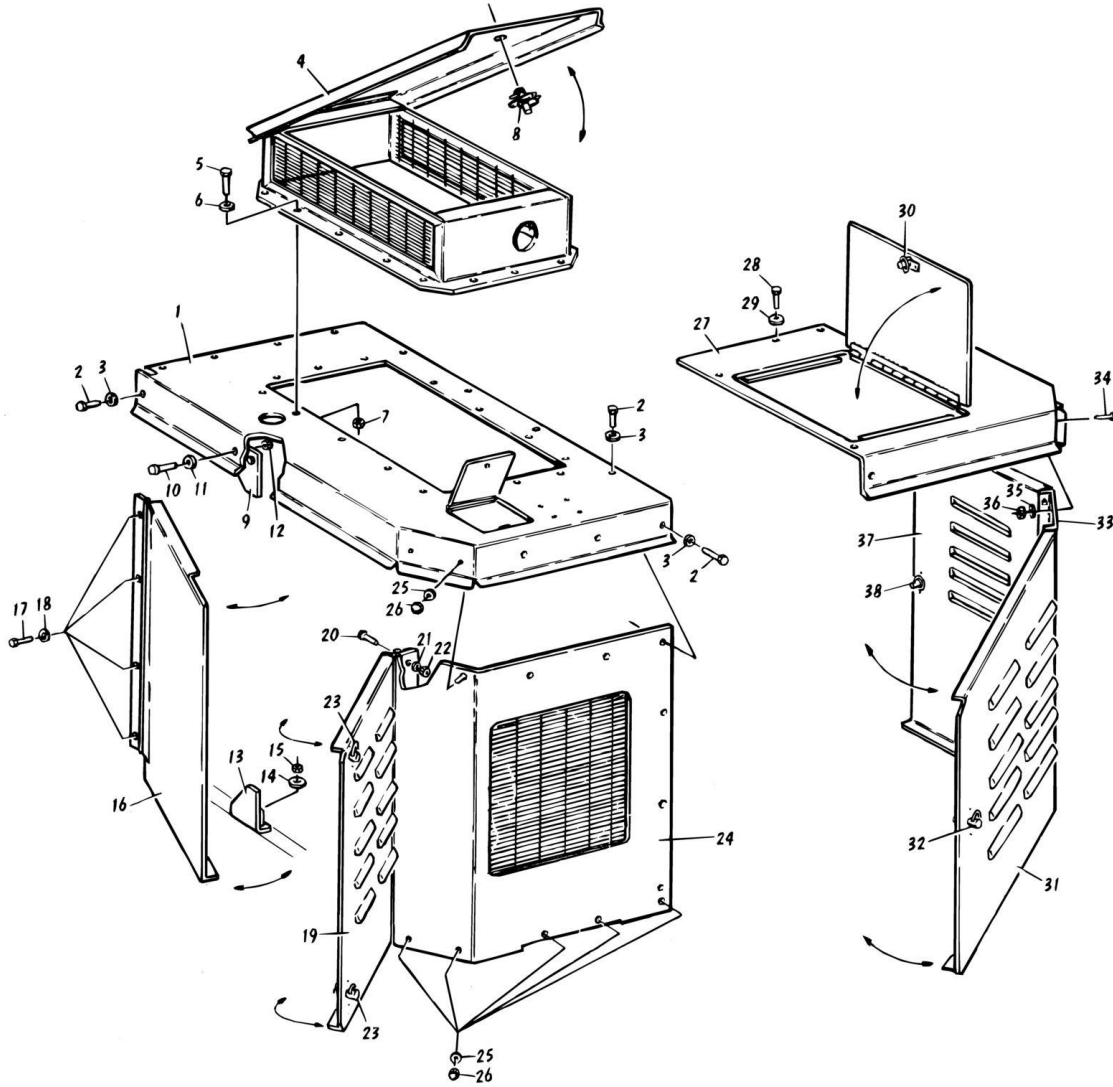
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-11. TILT INDICATOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0236955	Ref	TILT INDICATOR INSTALLATION	
1	4360171	1	Level Sensor (Attaching Parts)	
2	4300032	2	Stud (Welded on Part)	
3	4761400	2	Lockwasher	
4	3311401	2	Nut	
5	2820022	AR	Vinyl Tubing	
6	7760206	2	Terminal	
7	4460043	1	Terminal	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-12. HOOD INSTALLATION - FORD



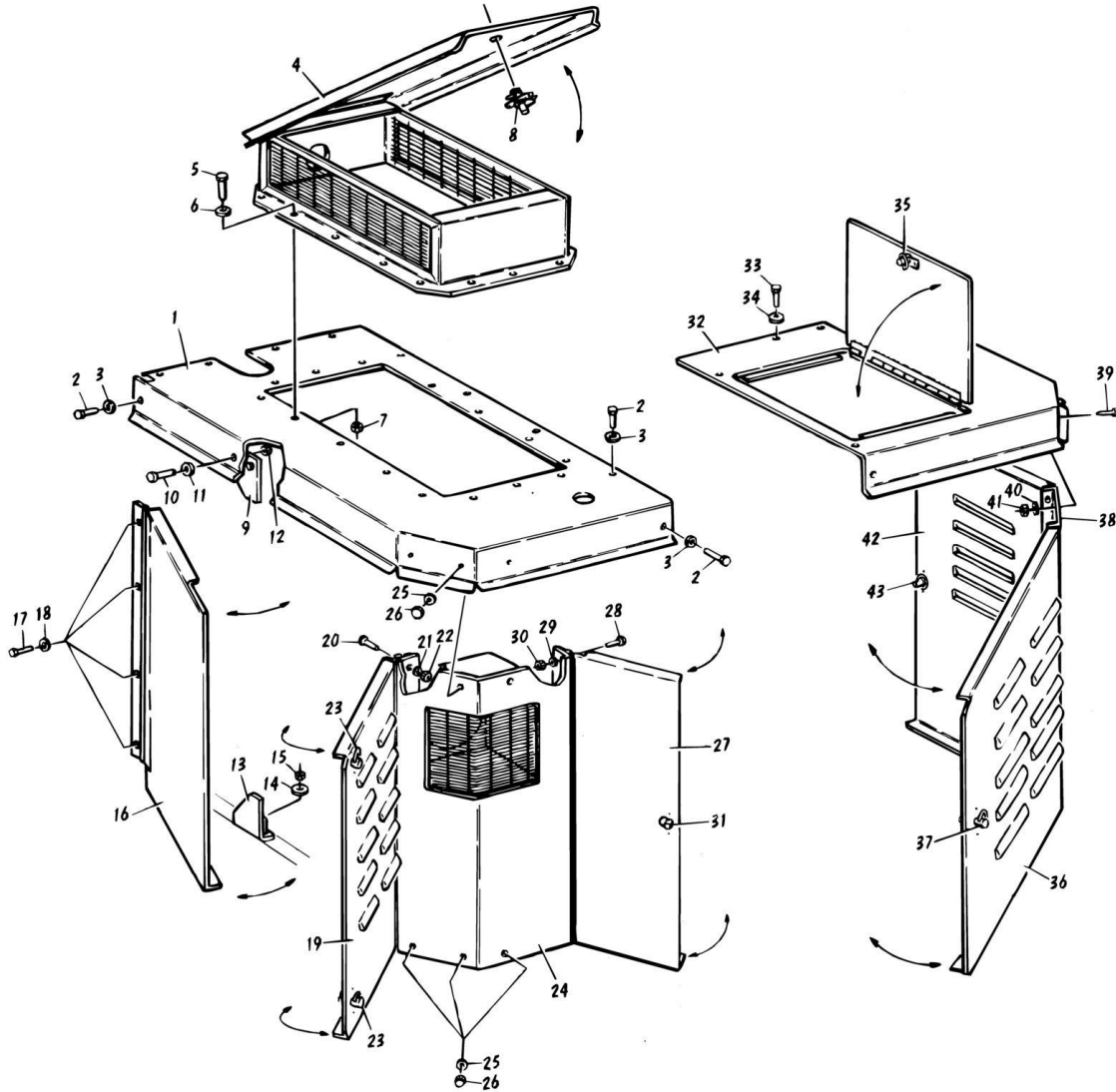
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-12. HOOD INSTALLATION - FORD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237194	Ref	HOOD INSTALLATION -FORD	
1	4842715	1	Cover, Engine Top (Attaching Parts)	
2	3900022	15	Screw, Self-Tapping	
3	4761400	15	Lockwasher	
4	4842378	1	Ventillator (Attaching Parts)	
5	0641406	16	Bolt	
6	4751400	16	Flatwasher	
7	3311405	16	Nut	
8	2940051	1	Latch	
9	3530601	1	Stop, Top (Attaching Parts)	
10	0641406	2	Bolt	
11	4751400	2	Flatwasher	
12	3311405	2	Nut	
13	3530602	1	Stop, Bottom (Attaching Parts)	
14	4751400	2	Flatwasher	
15	3311405	2	Nut	
16	4842714	1	Door (Attaching Parts)	
17	3900022	4	Screw, Self-Tapping	
18	4761400	4	Lockwasher	
19	4842713	1	Door (Attaching Parts)	
20	0641406	4	Bolt	
21	4751400	4	Flatwasher	
22	3311405	4	Nut	
23	2940048	2	Latch (Attaching Parts)	
23	3820019	4	Rivet, Pop	
24	3380346	1	Grill (Attaching Parts)	
25	4761400	7	Lockwasher	
26	3300151	7	Nut, Acorn	
27	4842410	1	Tank, Cover (Attaching Parts)	
28	3900022	6	Screw, Self-Tapping	
29	4761400	6	Lockwasher	
30	2940048	1	Latch (Attaching Parts)	
30	3820019	2	Rivet	
	0237194	Ref	HOOD INSTALLATION - FORD	
31	3842710	1	Door (Attaching Parts)	
31	0641406	4	Bolt (Not Shown)	
31	4751400	4	Flatwasher (Not Shown)	
31	3311405	4	Nut (Not Shown)	
32	2940048	1	Latch (Attaching Parts)	
32	3820019	2	Rivet, Pop	
33	1670369	1	Corner Brace (Attaching Parts)	
34	0641406	2	Bolt	
35	4751400	2	Flatwasher	
36	3311405	2	Nut	
37	4742709	1	Door (Attaching Parts)	
37	0641406	4	Bolt (Not Shown)	
37	4751400	4	Flatwasher (Not Shown)	
37	3311405	4	Nut (Not Shown)	
38	2940048	1	Latch (Attaching Parts)	
38	3820019	2	Rivet, Pop	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-13. HOOD INSTALLATION - DEUZZT



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-13. HOOD INSTALLATION - DEUZZ

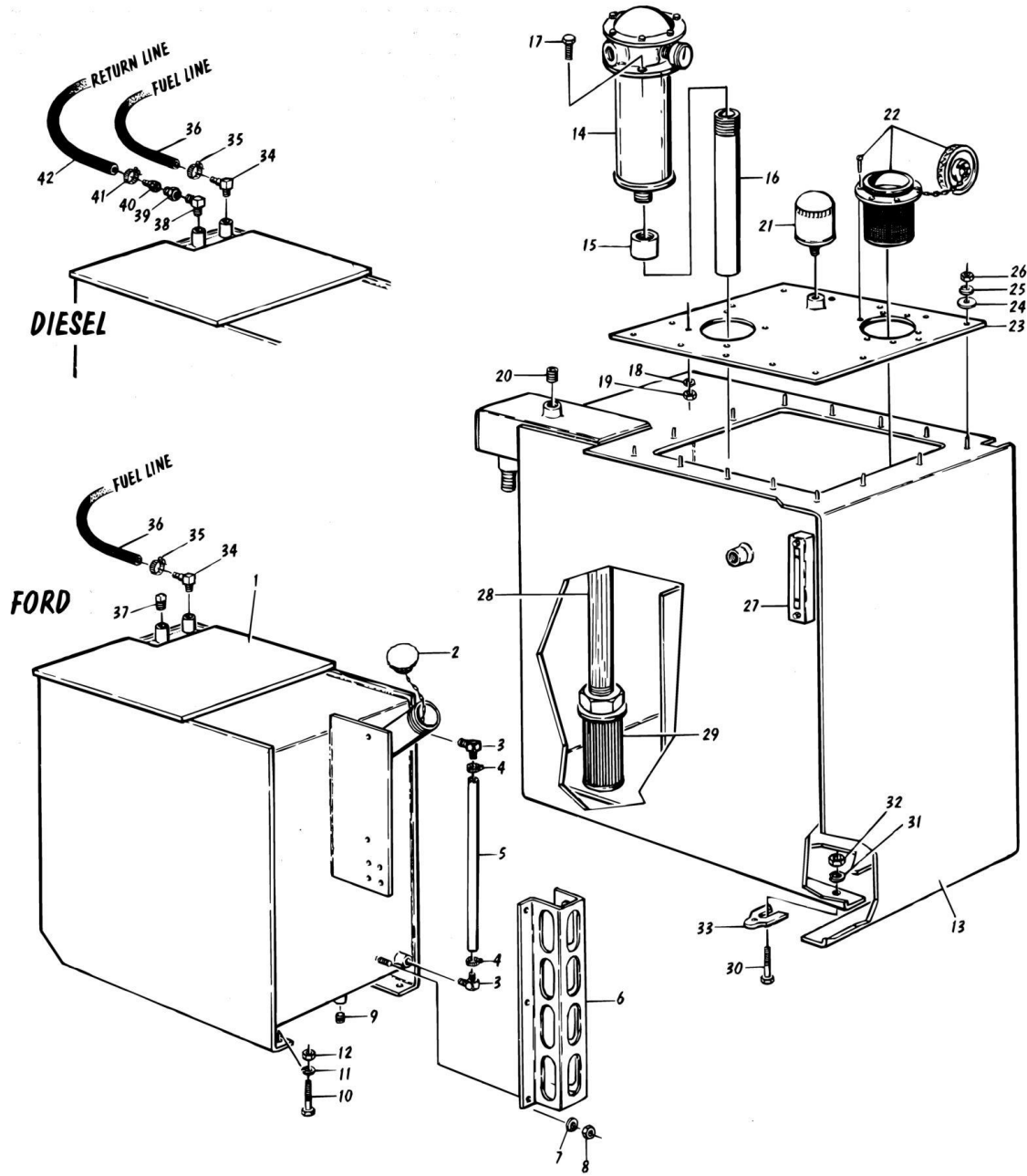
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237225	Ref	HOOD INSTALLATION - DEUZZ	
1	1670375	1	Cover, Engine Top (Attaching Parts)	
2	3900022	10	Screw, Self-Tapping	
3	4761400	10	Lockwasher	
4	4841882	1	Ventilator (Attaching Parts)	
5	0641406	16	Bolt	
6	4751400	16	Lockwasher	
7	3311405	16	Nut	
8	2940050	1	Latch (Attaching Parts)	
8	3820012	2	Rivet, Pop	
9	3530601	1	Stop, Top (Attaching Parts)	
10	0641406	2	Bolt	
11	4751400	2	Flatwasher	
12	3311405	2	Nut	
13	3530602	1	Stop, Bottom (Attaching Parts)	
14	4751400	2	Flatwasher	
15	3311405	2	Nut	
16	4842714	1	Door (Attaching Parts)	
17	3900022	4	Screw, Self-Tapping	
18	4761400	4	Lockwasher	
19	4842713	1	Door (Attaching Parts)	
20	0641406	5	Bolt	
21	4751400	5	Flatwasher	
22	3311405	5	Nut	
23	2940048	2	Latch (Attaching Parts)	
23	3820019	4	Rivet, Pop	
24	4842386	1	Grill (Attaching Parts)	
25	4761400	6	Lockwasher	
26	3300151	6	Nut, Acorn	
27	4842388	1	Door (Attaching Parts)	
28	0641406	4	Bolt	
29	4751400	4	Flatwasher	
30	3311405	4	Nut	
31	2940048	1	Latch (Attaching Parts)	
31	3820019	2	Rivet, Pop	
32	4842410	1	Tank Cover (Attaching Parts)	
33	3900022	6	Screw, Self-Tapping	
34	4761400	6	Lockwasher	
35	2940050	1	Latch (Attaching Parts)	
35	3820012	2	Rivet, Pop	
36	4842710	1	Door (Attaching Parts)	
36	0641406	4	Bolt (Not Shown)	
36	4751400	4	Flatwasher (Not Shown)	
36	3311405	4	Nut (Not Shown)	
37	2940048	1	Latch (Attaching Parts)	
37	3820019	2	Rivet, Pop	
38	1670369	1	Corner Brace (Attaching Parts)	
39	0641406	2	Bolt	
40	4751400	2	Flatwasher	
41	3311405	2	Nut	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	4842709	1	Door (Attaching Parts)	
42	0641406	4	Bolt (Not Shown)	
42	4751400	4	Flatwasher (Not Shown)	
42	3311405	4	Nut (Not Shown)	
43	2940048	1	Latch (Attaching Parts)	
43	3820019	2	Rivet, Pop	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-14. TANK INSTALLATION



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-14. TANK INSTALLATION

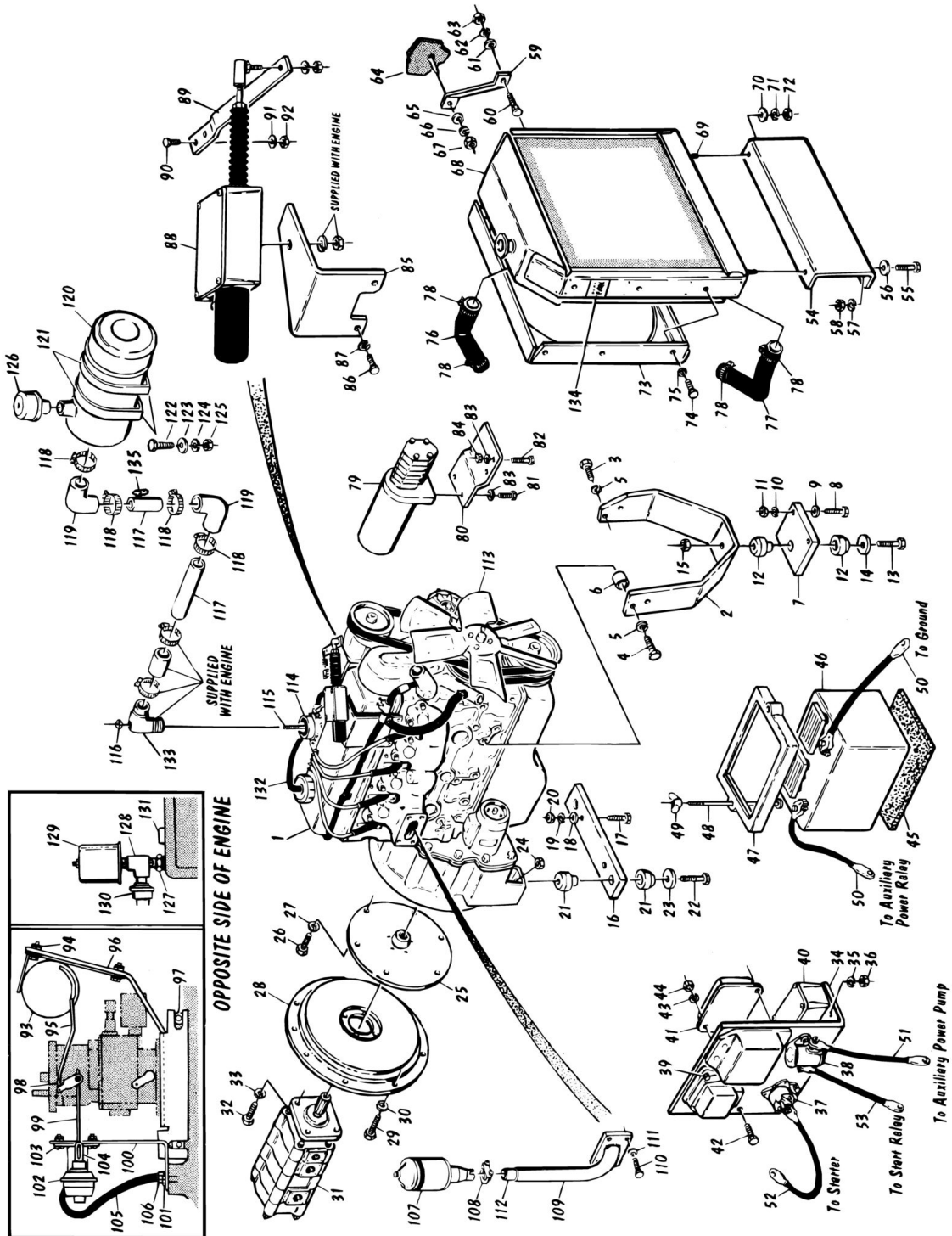
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237204	Ref	TANK INSTALLATIONS	
	4400198	Ref	FUEL TANK ASSEMBLY	
1	4400199	1	Fuel Tank	
2	1120314	1	Fillar Cap	
3	2180467	2	Fitting	
3	0100020	AR	Sealant	
4	1320022	2	Clamp	
5	4562516	1.52 ft	Tube	
6	4060613	1	Shield, Sight Gauge	
7	4761400	3	Lockwasher	
8	3311401	3	Nut	
9	2200052	1	Pipe Plug	
9	0100020	AR	Sealant (Attaching Parts)	
10	0641618	4	Bolt	
11	4761600	4	Lockwasher	
12	3311601	4	Nut	
	4400197	Ref	HYDRAULIC OIL TANK ASSEMBLY	
13	4400196	1	Hydraulic Oil Tank	
14	2120103	1	Filter, Return	
14	2120107	1	Element	
15	2200268	1	Coupling, Pipe	
16	2180649	1	Nipple, Pipe	
16	0100020	AR	Sealant	
17	0641608	4	Bolt	
18	4761600	4	Lockwasher	
19	3311601	4	Nut	
20	2200203	4	Plug, Pipe	
20	0100020	AR	Sealant	
21	1340021	1	Breather	
21	0100020	AR	Sealant	
22	1120287	1	Filler Cap (Hardware Included)	
23	4842375	1	Lid	
24	4751400	14	Flatwasher	
25	4761400	14	Lockwasher	
26	3311401	14	Nut	
27	2420080	1	Guage, Sight (Hardware Included)	
28	2180606	1	Nipple, Pipe	
28	0100020	AR	Sealant	
29	2120104	1	Filter, Suction	
29	0100020	AR	Sealant	
29	3520022	1	Plug, Magnetic (Not Shown) (Located Underneath Tank)	
29	0100020	AR	Sealant (Attaching Parts)	
30	0641618	4	Bolt	
31	4761600	4	Lockwasher	
32	3311601	4	Nut	
33	4070410	AR	Shim (.062 thick)	
33	407411	AR	Shim (.125 thick)	
33	407412	AR	Shim (.188 thick)	
34	2220317	1	Fitting, 90, Barbed	
35	1320022	2	Clamp, Hose	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	2720015	AR	Hose, Fuel Line	
37	2200051	1	Plug, Pipe (Gas Only)	
38	2200462	1	Fitting (Diesel Only)	
39	2220273	1	Fitting, Reducer (Diesel Only)	
40	2180535	1	Fitting, Barbed (Diesel Only)	
41	1320022	1	Clamp, Hose (Diesel Only)	
42	2720271	AR	Hose, Return (Diesel Only)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-15. GAS ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-15. GAS ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	GAS ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS	
	0232715	Ref	ENGINE, PUMP AND BATTERY INSTALLATION	
1	2000086	1	Engine, Ford LSG423	
2	3200198	1	Engine Mount, Front (Attaching Parts)	
3	0711014	3	Bolt (Metric)	
4	0711020	1	Bolt (Metric)	
5	4761600	4	Lockwasher	
6	4562637	1	Spacer	
7	3200230	1	Mount, Front Engine (Attaching Parts)	
8	0641622	2	Bolt	
9	4751600	2	Flatwasher	
10	4761600	2	Lockwasher	
11	3311601	2	Nut	
12	3200133	1	Mount, Engine Resilient (Front) (Attaching Parts)	
13	0642032	1	Bolt	
14	4740242	1	Flatwasher	
15	3312005	1	Locknut	
16	3200266	1	Mount, Rear Engine (Attaching Parts)	
17	0642024	2	Bolt	
18	4752000	2	Flatwasher	
19	4762000	2	Lockwasher	
20	3312001	2	Nut	
21	3200133	2	Mount, Engine Resilient (Rear) (Attaching Parts)	
22	0642032	2	Bolt	
23	4740242	2	Flatwasher	
24	3312005	2	Locknut	
25	1760019	1	Disc Assembly (Attaching Parts)	
26	0641606	6	Bolt	
27	4761600	6	Lockwasher	
28	0080021	1	Pump Adapter(Attaching Parts)	
29	0641608	8	Bolt	
30	4761600	8	Lockwasher	
31	3600113	1	Pump (Attaching Parts)	
32	0641812	4	Bolt	
33	4761800	4	Lockwasher	
	0237104	Ref	ELECTRICAL PANEL ASSEMBLY	
34	0901328	1	Panel (Attaching Parts)	
35	4761400	2	Lockwasher	
36	3311401	2	Nut	
36	4300032	2	Stud (Welded on Part)	
37	3740059	1	Relay, Starter (Attaching Parts)	
37	0641405	2	Bolt	
37	4761400	2	Lockwasher	
37	3311401	2	Nut	
38	3740002	1	Relay, Auxiliary Power (Attaching Parts)	
38	0641405	2	Bolt	
38	4761400	2	Lockwasher	
38	3311401	2	Nut	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	VOLTAGE REGULATOR AND ELECTRONIC IGNITION ARE SUPPLIED WITH ENGINE (Attaching Parts)	
39	0641405	3	Bolt	
39	4761400	5	Lockwasher	
39	3311401	5	Nut	
40	0060021	1	Actuator, Module (Attaching Parts)	
40	0641405	1	Bolt	
40	4761400	1	Lockwasher	
41	3740061	1	Start Lockout (Attaching Parts)	
42	0641405	2	Bolt	
43	4761400	2	Lockwasher	
44	3311401	2	Nut	
45	3980003	1	Masonite	
46	0400003	1	Battery	
47	0400002	1	Tie Down (Attaching Parts)	
48	0232573	2	Rod, Tie Down	
49	3311601	2	Nut, Wing	
50	1060046	2	Cable, Battery	
51	1060080	1	Cable, Battery	
52	1060093	1	Cable, Battery	
53	1060045	1	Cable, Battery	
54	4340509	1	Radiator Support (Attaching Parts)	
55	0641616	2	Bolt	
56	4751600	2	Flatwasher	
57	4761600	2	Lockwasher	
58	3311601	2	Nut	
59	0080095	1	Brace, Radiator (Attaching Parts)	
60	0630360	1	Bolt Carriage	
61	4751400	1	Flatwasher	
62	4761500	1	Lockwasher	
63	3311501	1	Nut	
64	4300032	2	Stud (Welded on Part)	
65	4751400	2	Flatwasher	
66	4761400	2	Lockwasher	
67	3311401	2	Nut	
68	3620026	1	Radiator (Attaching Parts)	
69	0630375	2	Bolt, Carriage	
70	4751700	2	Flatwasher	
71	4761700	2	Lockwasher	
72	3311701	2	Nut	
73	2680333	1	Shroud (Attaching Parts)	
74	3941004	6	Screw, Self Tap	
75	4761000	6	Lockwasher	
76	2720254	1	Hose, Radiator (Top)	
77	2720232	1	Hose, Radiator (Bottom) (Attaching Parts)	
78	1320012	4	Clamp, Hose	
79	3600115	1	Pump, Auxiliary (Attaching Parts)	
80	0901307	1	Bracket, Pump	
81	0641616	2	Bolt	
82	0641606	2	Bolt	
83	4761600	4	Lockwasher	
84	3311601	2	Nut	

SECTION 1 - ILLUSTRATED PART LIST

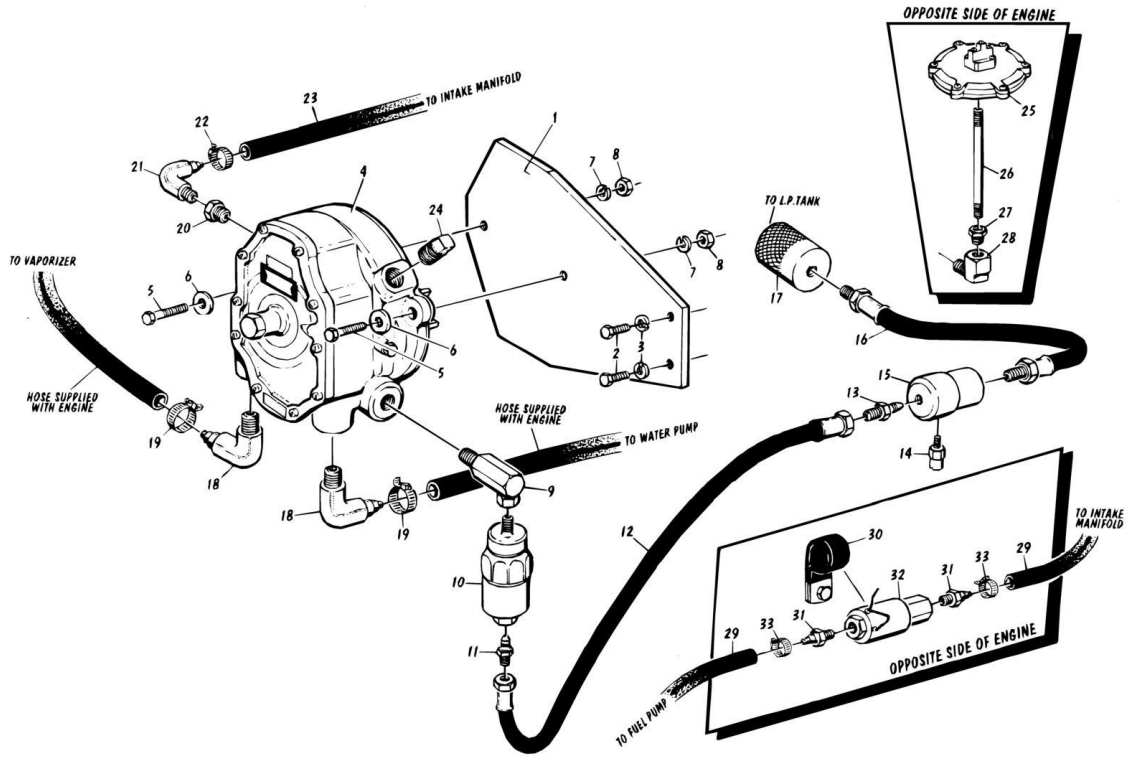
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237356	Ref	THROTTLE AND CHOKE INSTALLATION	
85	4842263	1	Throttle Bracket (Attaching Parts)	
86	0630135	2	Bolt, Metric	
87	4740116	2	Lockwasher	
88	0060020	1	Actuator (Hardware Supplied)	
89	3010081	1	Throttle Link	
90	0641406	2	Bolt	
91	4761400	2	Lockwasher	
92	3311401	2	Nut	
93	2900097	1	Kit, Choke (Attaching Parts)	
94	0641406	2	Bolt	
94	4751400	2	Flatwasher	
94	4761400	2	Lockwasher	
94	3311401	2	Nut	
95	3840821	1	Rod, Choke	
96	0901297	1	Bracket, Automatic Choke (Attaching Parts)	
97	0630384	2	Bolt, Metric	
97	4751500	2	Flatwasher	
97	4761500	2	Lockwasher	
98	1380111	1	Clip	
99	3840855	1	Rod - Choke, Pull-Off	
100	0901347	1	Bracket, Choke Pull-Off (Attaching Parts)	
101	0700810	1	Bolt, Metric	
102	0060022	1	Actuator, Vacuum Choke Pull-Off (Attaching Parts)	
103	3910808	2	Screw	
103	4760008	2	Lockwasher	
103	3310008	2	Nut	
104	1380112	1	Clip	
105	2720016	1 ft	Hose	
106	2180666	1	Fitting, Barbed	
107	3220043	1	Muffler (Attaching Parts)	
108	1320019	1	Clamp, Muffler	
109	4842226	1	Tube, Exhaust (Attaching Parts)	
110	0701010	2	Bolt, Metric	
111	4761700	2	Lockwasher	
112	4100025	1	Sleeve, Fiberglass	
113	2060014	1	Fan	
114	0080091	1	Adapter, Choke	
115	4300056	1	Stud, Carburetor	
116	3311405	1	Nut, Lock	
117	4561815	2	Tube Exhaust	
118	1320058	4	Clamp, Exhaust	
119	0080039	2	Elbow, Rubber	
120	1340020	1	Air Cleaner	
120	7004214	1	Element	
121	1340002	2	Band, Mounting (Attaching Parts)	
122	0721005	4	Bolt	
123	4751400	4	Flatwasher	
124	4761400	4	Lockwasher	
125	3311401	4	Nut	
126	1120161	1	Cap	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
127	2220273	1	Fitting, Reducer	
128	2180360	1	Fitting, Tee	
128	0100020	AR	Loctite	
129	4360037	1	Switch, Oil Pressure	
130	2420033	1	Sender, Oil Pressure	
131	2420024	1	Sender, Water Temperature	
131	0100020	AR	Loctite	
132	2720160	1	Hose, Low Pressure	
133	0080124	1	Adapter, Carburetor	
134	3250914	1	Decal, Caution Fan Blade	
135	2420047	1	Gauge, Indicator (Optional)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-16. DUAL FUEL INSTALLATION



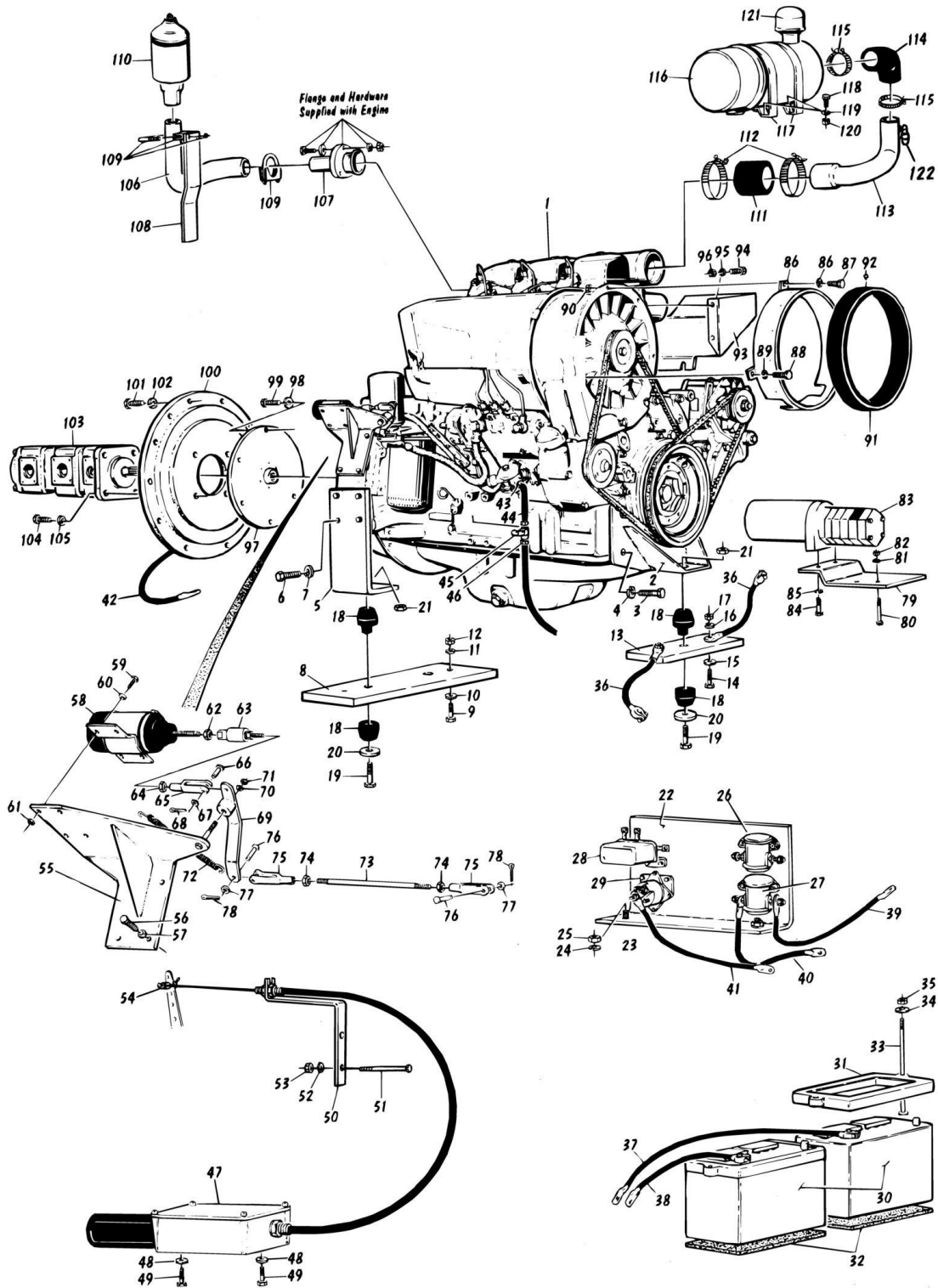
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-16. DUAL FUEL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DUAL FUEL INSTALLATION	
1	0901236	1	Bracket, Vaporizer (Attaching Parts)	
2	0701014	2	Bolt	
3	4761800	2	Lockwasher	
4	4700005	1	Regulator (Attaching Parts)	
5	0641416	2	Bolt	
6	4751400	2	Flatwasher	
7	4761400	2	Lockwasher	
8	3311401	2	Nut	
9	222064	1	Fitting, 90	
10	2120077	1	L.P. Filter Lock	
11	2180418	1	Fitting	
12	2720144	1	Hose	
13	2180418	1	Fitting	
14	2180389	1	Valve, Relief	
15	2180388	1	Filter, Bulkhead	
16	2720117	1	Hose	
17	2180387	1	Fitting, L.P. Tank	
18	2220313	2	Fitting, 90	
19	1320022	2	Clamp, Hose	
20	2220251	1	Fitting, Reducer	
21	2220675	1	Fitting, 90	
22	1320030	2	Clamp, Hose	
23	2720112	1	Hose, Vapor	
24	2200224	1	Plug, Pipe	
25	4360188	1	Switch, Vacuum	
26	2180420	1	Pipe, Nipple	
27	2220652	1	Fitting	
28	2220430	1	Fitting, Reducer	
29	2720058	AR	Hose	
30	1320060	1	Clamp, Hose	
31	2220315	2	Fitting	
32	4640391	1	Fuel, Lock	
33	1320022	2	Clamp, Hose	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-17. DEUTZ ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-17. DEUTZ ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DEUTZ ENGINE AND COMPONENTS ASSEMBLIES AND INSTALLATIONS	
	0237131	Ref	ENGINE PUMP AND BATTERY INSTALLATION	
1	2000066	1	Engine - Deutz F3L912	
2	3200229	1	Mount, Front Engine (Attaching Parts)	
3	0701427	4	Bolt	
4	4740191	4	Bolt, Metric	
5	3200228	2	Mount, Rear Engine (Attaching Parts)	
6	0701215	8	Bolt	
7	4740117	8	Lockwasher	
8	3200225	1	Mount, Rear Engine (Attaching Parts)	
9	0641622	2	Bolt	
10	4751600	2	Flatwasher	
11	4761600	2	Lockwasher	
12	3311601	2	Nut	
13	3200227	1	Mount, Front Engine (Attaching Parts)	
14	0642024	2	Bolt	
15	4752000	2	Flatwasher	
16	4762000	2	Lockwasher	
17	3312001	2	Nut	
18	3200133	3	Mount, Engine Resilient (Attaching Parts)	
19	0642032	3	Bolt	
20	4740242	3	Flatwasher	
21	3312005	3	Nut	
	0237627	Ref	ELECTRICAL PANEL ASSEMBLY	
22	3530425	1	Panel (Attaching Parts)	
23	4300031	2	Stud (Welded on Part)	
24	4761400	2	Lockwasher	
25	3311401	2	Nut	
26	3740002	1	Relay (Attaching Parts)	
26	0641006	2	Bolt	
26	4751000	2	Flatwasher	
26	4761000	2	Lockwasher	
26	3311001	2	Nut	
27	3740002	1	Relay, Auxiliary Power (Attaching Parts)	
27	0641006	2	Bolt	
27	4751000	2	Flatwasher	
27	4761000	2	Lockwasher	
27	3311001	2	Nut	
28	3740030	1	Relay, Adlo (Attaching Parts)	
28	0641006	2	Bolt	
28	4751000	2	Flatwasher	
28	4761000	2	Lockwasher	
28	3311001	2	Nut	
29	3740059	1	Relay, Start (Attaching Parts)	
29	0641006	2	Bolt	
29	4751000	2	Flatwasher	
29	4761000	2	Lockwasher	
29	3311001	2	Nut	
30	0400003	2	Battery (Attaching Parts)	

SECTION 1 - ILLUSTRATED PART LIST

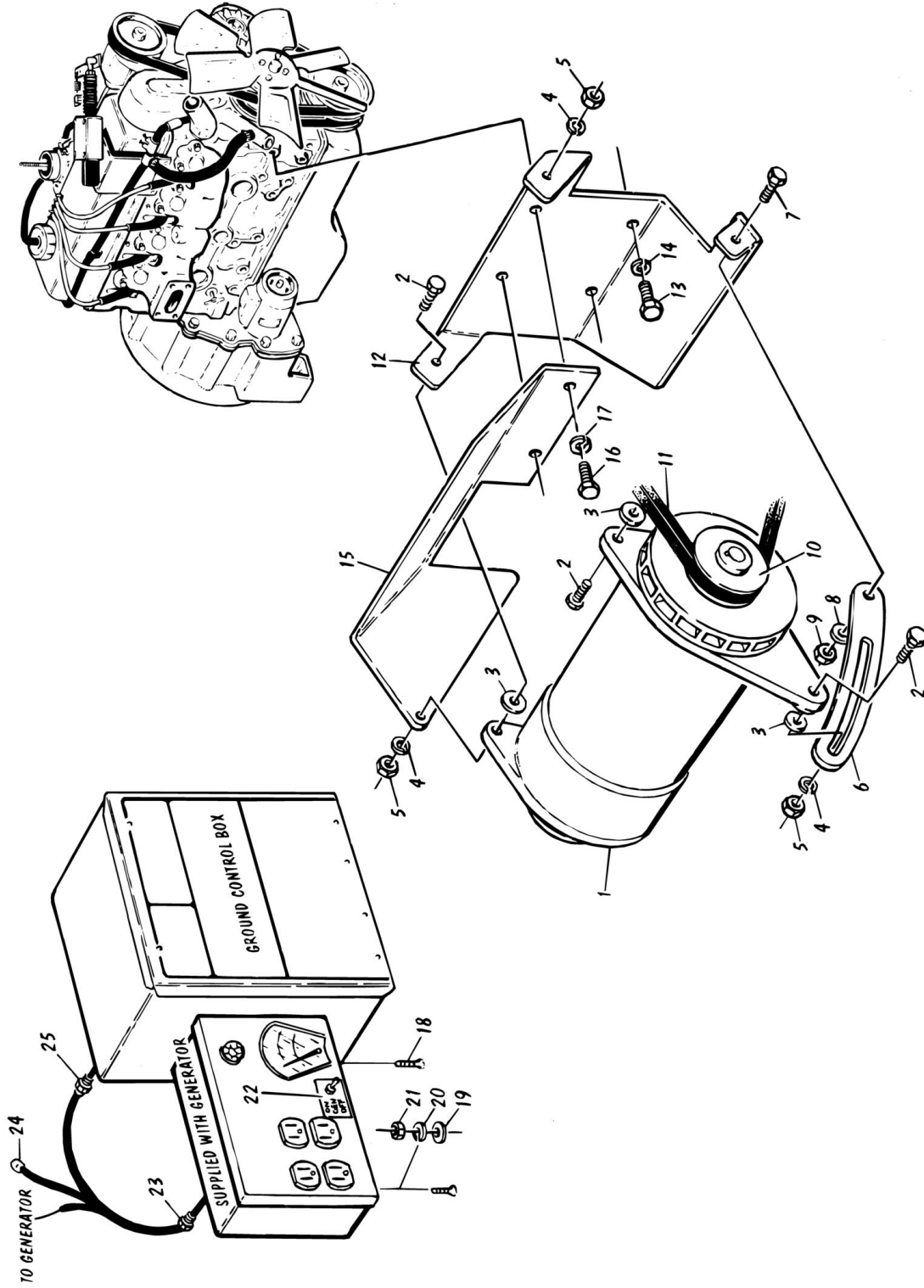
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	0400002	2	Tie Down	
32	3980003	2	Masonite	
33	0236768	4	Rod, Tie Down	
34	4751600	4	Flatwasher	
35	3311601	4	Nut	
36	1060046	2	Cable (Negative to Ground)	
37	1060154	1	Cable (Positive to Auxiliary Relay)	
38	1060172	1	Cable (Positive to Auxiliary Relay)	
39	1060074	1	Cable (Auxiliary Relay to Auxiliary Pump)	
40	1060132	1	Cable (Auxiliary to Relay to Starter)	
41	1060045	1	Cable (Auxiliary Relay to Star Relay)	
42	1060044	1	Cable (Ground)	
43	1320022	2	Clamp	
44	2720015	AR	Fuel Line	
45	4640380	1	Valve Shut Off	
46	2180249	2	Fitting, Barbed	
	0237640	Ref	CABLE THROTTLE INSTALLATION	
47	0060023	1	Actuator (Attaching PARTs)	
48	0641413	2	Bolt	
49	4751400	2	Lockwasher	
50	0401397	1	Bracket, Throttle Cable (Attaching Parts)	
51	0630400	2	Bolt	
52	4761500	2	Lockwasher	
53	3290801	2	Nut	
54	4460302	1	Terminal, Cable Stop	
54	4711400	1	Flatwasher	
54	3450203	1	Pin, Cotter	
	0237630	Ref	STOP-RUN SOLENOID INSTALLATION	
55	4842476	1	Bracket (Attaching Parts)	
56	0630136	4	Bolt	
57	4761500	4	Lockwasher	
58	3740055	1	Solenoid	
59	0641406	4	Bolt	
60	4751400	4	Flatwasher	
61	3311401	4	Nut	
62	3321401	1	Nut	
63	4160086	1	Spring, Swivel	
64	3311401	1	Nut	
65	1360112	1	Clevis	
66	3430406	1	Pin, Clevis	
67	4751400	1	Flatwasher	
68	3450203	1	Pin, Cotter	
69	4842269	1	Arm	
70	4761600	1	Lockwasher	
71	3311605	1	Nut	
72	4160024	1	Spring	
73	3840818	1	Rod	
74	3321401	2	Nut	
75	1360112	2	Clevis	
76	3430406	2	Pin, Clevis	
77	4751400	2	Flatwasher	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
78	3450203	2	Pin, Cotter	
79	0901307	1	Bracket, Auxiliary Pump (Attaching Parts)	
80	0641616	2	Bolt	
81	4761600	2	Lockwasher	
82	3311601	2	Nut	
83	3600115	1	Pump, Auxiliary (Attaching Parts)	
84	0641606	2	Bolt	
85	4761600	2	Lockwasher	
86	4562811	1	Tube (Attaching Parts)	
87	0641406	2	Bolt	
88	0700610	1	Bolt	
89	4761400	3	Lockwasher	
90	3311401	3	Nut	
91	4280002	28 ³ / ₄ in	Neoprene Strip (Attaching Parts)	
92	3820009	10	Rivet, Pop	
93	4060580	1	Deflector (Attaching Parts)	
94	0641406	4	Bolt	
95	4761400	4	Lockwasher	
96	3311401	4	Nut	
97	1760019	1	Disc Assembly (Attaching Parts)	
98	0701010	6	Bolt	
99	4740116	6	Lockwasher	
100	0080029	1	Adapter Plate (Attaching Parts)	
101	0701014	12	Bolt	
102	4740116	12	Lockwasher	
103	3600113	1	Pump (Attaching Parts)	
104	0641810	4	Bolt	
105	4761800	4	Lockwasher	
106	4563092	1	Tube, Exhaust	
107	0080117	1	Adaptor	
108	4340517	1	Support, Exhaust (Attaching Parts)	
109	1320019	2	Clamp	
110	3220043	1	Muffler	
111	2720224	1	Hose	
112	1320058	2	Clamp	
113	4563143	1	Tube, Air Intake	
114	0080039	1	Elbow, Rubber	
115	1320058	2	Clamp	
116	2120087	1	Air Cleaner (Attaching Parts)	
117	0340002	2	Bands, Mounting	
118	0641406	4	Bolt	
119	4761400	4	Lockwasher	
120	3311401	4	Nut	
121	1120161	1	Bonnet	
122	2420047	1	Gauge, Indicator (Optional)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-18. AC GENERATOR INSTALLATION - FORD



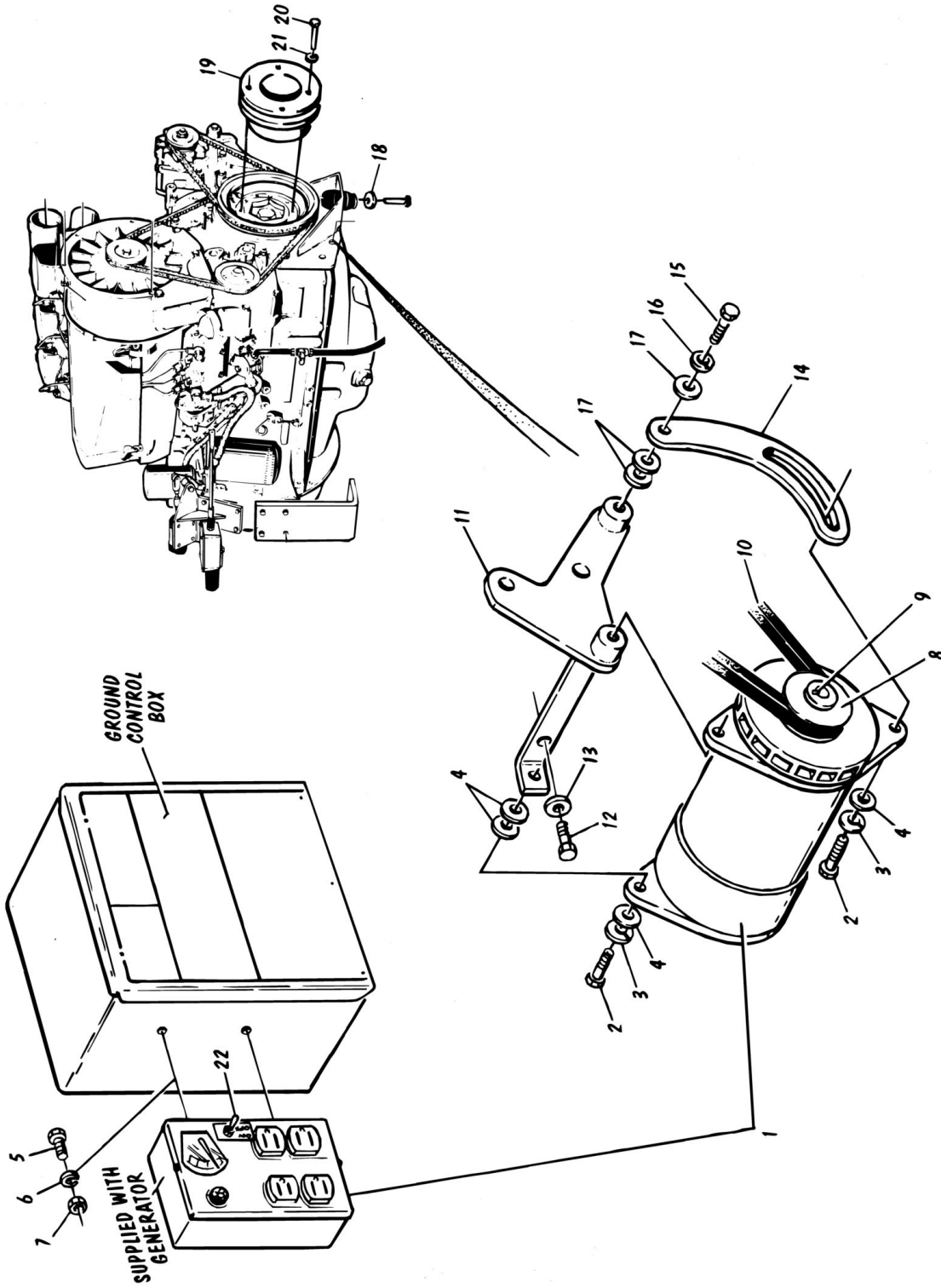
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-18. AC GENERATOR INSTALLATION - FORD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0236760	Ref	AC GENERATOR INSTALLATION - FORD	
1	2460011	1	Generator (Attaching Parts)	
2	0641508	3	Capscrew, Hex Head	
3	4751500	5	Flatwasher	
4	4761500	3	Lockwasher	
5	3321501	3	Nut	
6	4340436	1	Support, Adjusting (Attaching Parts)	
7	0641508	1	Capscrew, Hex Head	
8	4761500	1	Lockwasher	
9	3321501	1	Nut	
10	3580111	1	Pulley	
10	3580100	1	Pulley (Optional)	
10	2360012	1	Key	
11	0480037	1	Belt	
12	4340437	1	Support (Attaching Parts)	
13	0630135	2	Bolt, Metric	
14	4761600	2	Lockwasher	
15	4060579	1	Shield, Heat (Attaching Parts)	
16	0630361	2	Bolt, Metric	
17	4761600	2	Lockwasher	
	2460011	1	Box, Electrical (Supplied With Generator) (Attaching Parts)	
18	4300031	2	Stud (Welded on Part)	
19	4751400	4	Flatwasher	
20	4761400	2	Lockwasher	
21	3311401	2	Nut	
22	3251476	1	Nameplate	
23	4460023	1	Terminate, Connector	
24	4460134	1	Connector	
24	1060012	1	Cable, Control	
25	4460071	1	Connector	
25	3300048	1	Locknut, Conduit	
25	0960238	1	Bushing	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-19. AC GENERATOR INSTALLATION - DEUTZ



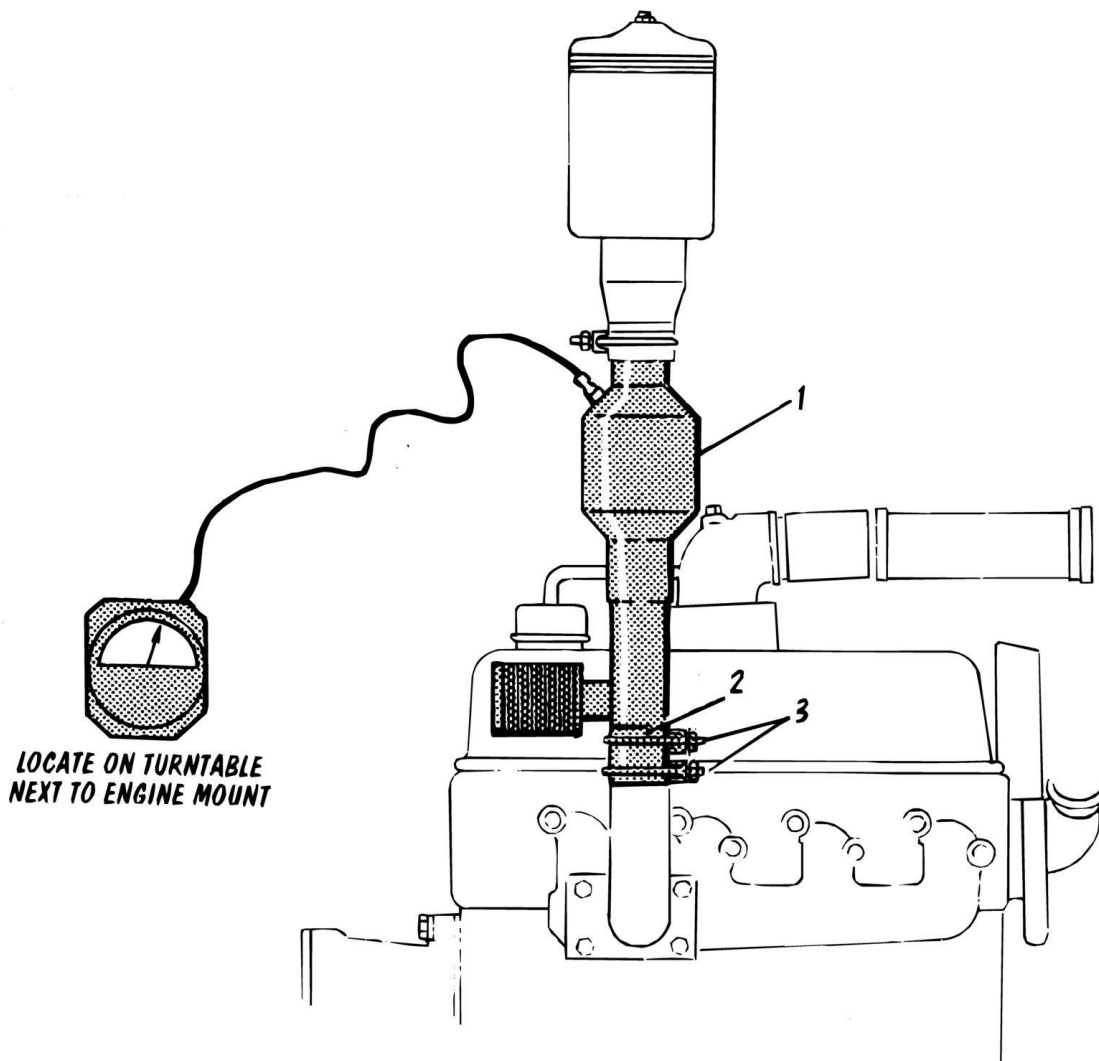
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-19. AC GENERATOR INSTALLATION - DEUTZ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0236760	Ref	AC GENERATOR INSTALLATION - DEUTZ	
1	2460011	1	Generator (Attaching Parts)	
2	0641510	3	Bolt	
3	4761500	3	Lockwasher	
4	4751500	AR	Flatwasher	
4	4751500	1	Box Electrical (Supplied With Generator) (Attaching Parts)	
5	0731006	2	Bolt	
6	4761000	2	Lockwasher	
7	3311001	2	Nut	
8	3580100	1	Pulley	
9	2860012	1	Key, Woodruff	
10	0480043	1	Belt	
11	4842701	1	Bracket, Generator (Attaching Parts)	
12	0641608	1	Bolt	
13	4761600	1	Lockwasher	
14	4340511	1	Adjustment Support (Attaching Parts)	
15	0641510	1	Bolt	
16	4761500	1	Lockwasher	
17	4751500	1	Flatwasher	
18	4740242	1	Flatwasher	
19	3580109	1	Pulley (Attaching Parts)	
20	0700822	4	Bolt	
21	4761500	4	Lockwasher	
22	3251476	1	Nameplate	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-20. OXY CATALYST PURIFIER INSTALLATION



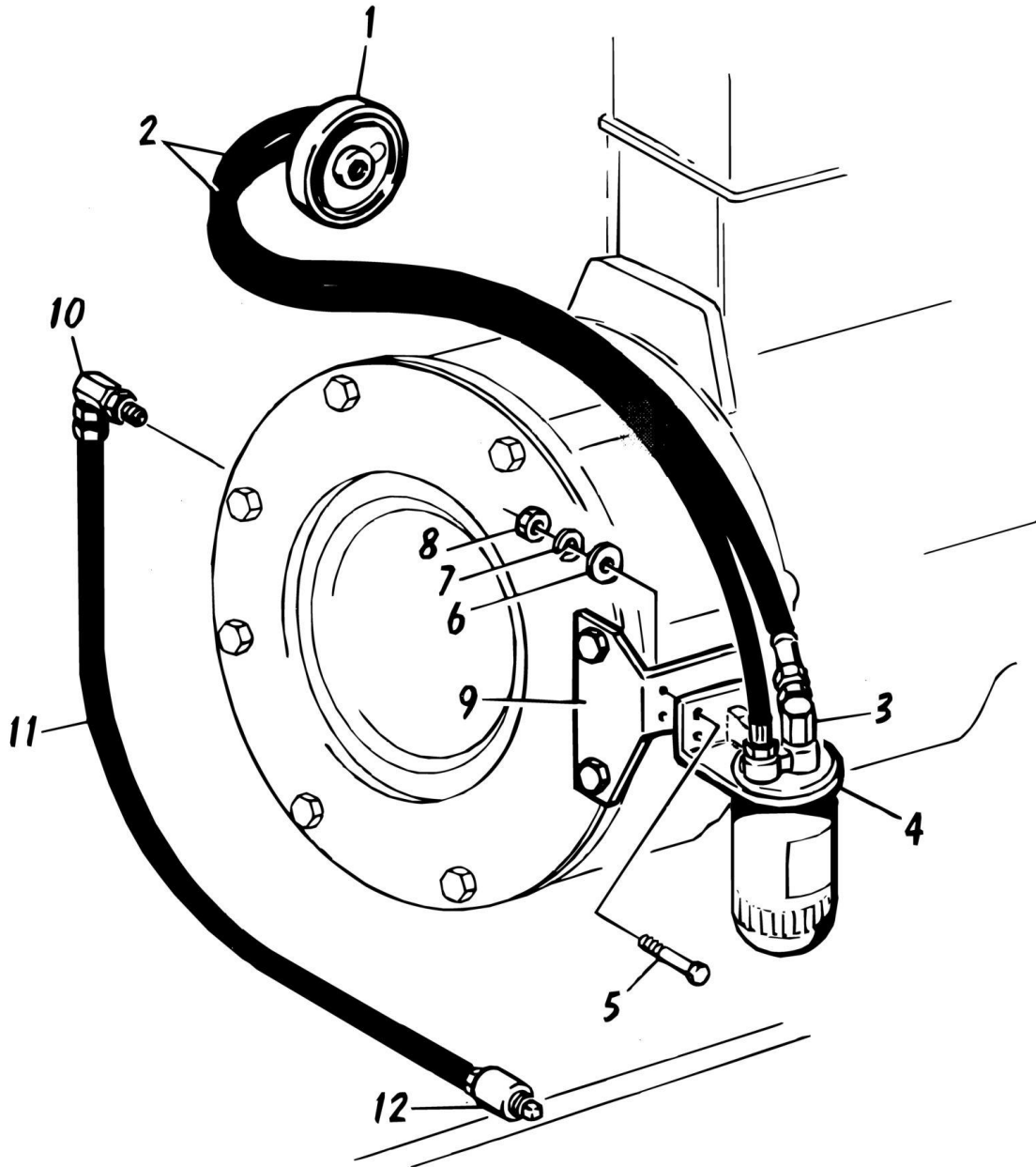
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-20. OXY CATALYST PURIFIER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237014	Ref	OXY CATALYST PURIFIER INSTALLATION	
1	3220053	1	Muffler, Oxy Cataylist Purifier	
2	4100015	1	Sleeve, Exhaust	
3	1320019	2	Clamp	
		Ref	Pyrometer and Bracket Supplied with Purifier (Attaching Parts)	
	4300031	2	Stud (Welded On Part)	
	4761400	2	Lockwasher	
	3311401	2	Nut	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-21. REMOTE OIL FILTER AND DRAIN INSTALLATION



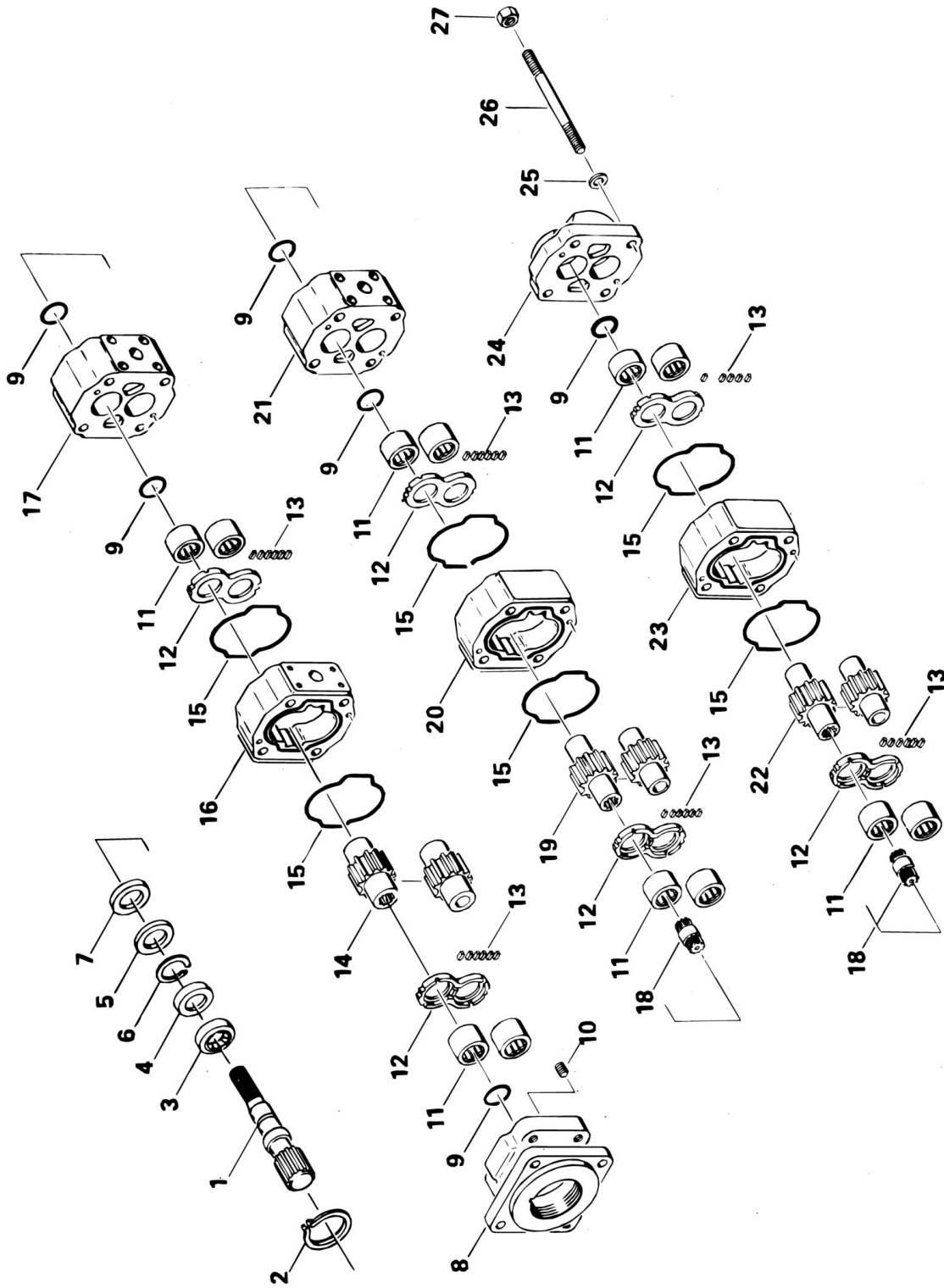
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-21. REMOTE OIL FILTER AND DRAIN INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237411	Ref	REMOTE OIL FILTER AND DRAIN INSTALLATION (FORD)	
1	0080133	1	Adapter (Includes O-Ring)	
2	2750123	2	Hose	
2	0010020	AR	Sealant	
3	2220128	1	Fitting, 45	
4	0080132	1	Adapter (Attaching Parts)	
5	0641408	3	Bolt	
6	4751400	3	Flatwasher	
7	4761400	3	Lockwasher	
8	3311401	3	Nut	
9	0901361	1	Bracket (Use Existing Hardware)	
10	3520066	1	Fitting	
10	2180669	1	Fitting	
11	2750354	1	Hose	
12	2200262	1	Coupling	
12	2200102	1	Plug	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-22. MAIN PUMP ASSEMBLY



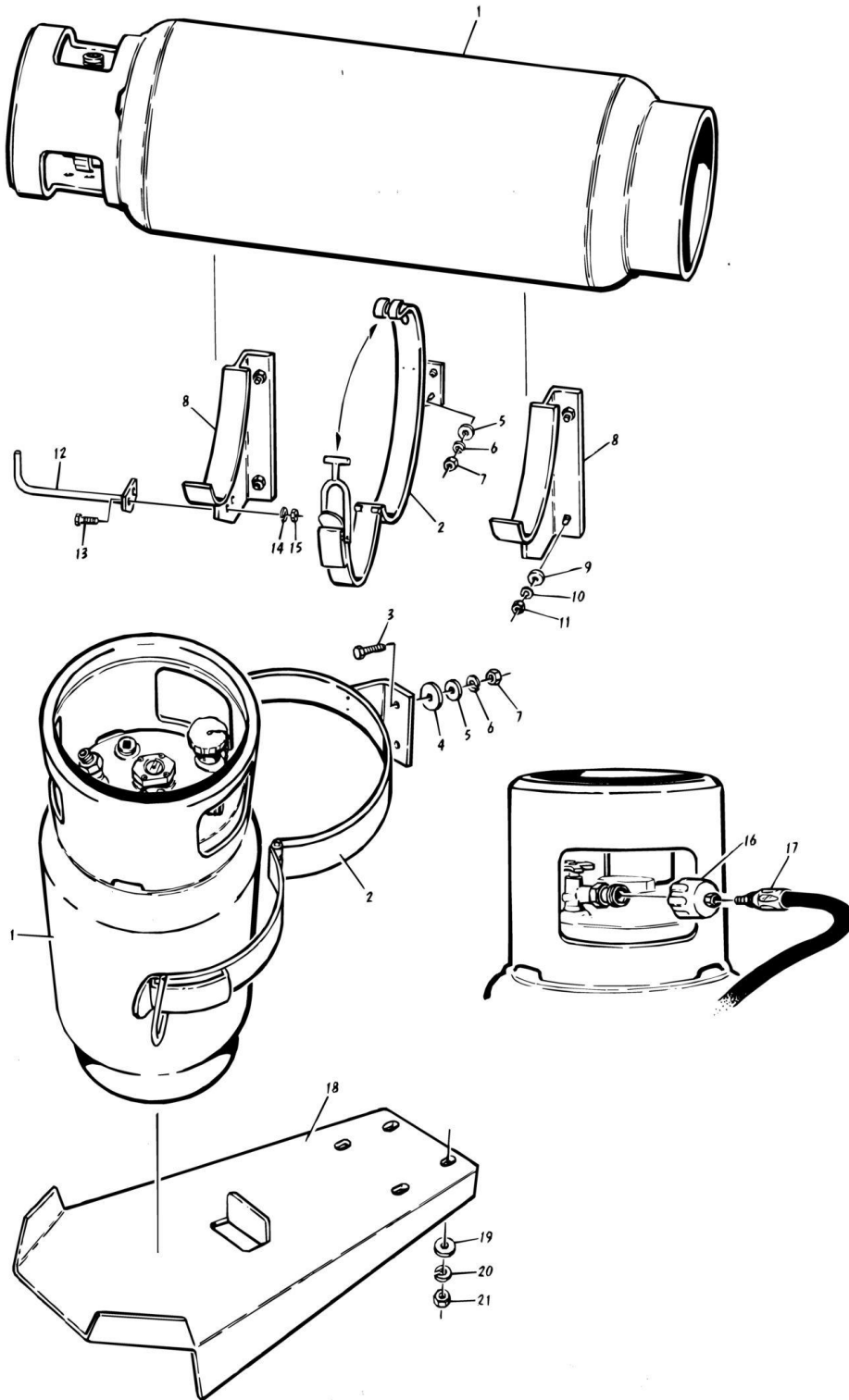
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-22. MAIN PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MAIN PUMP ASSEMBLY	
	3600113	Ref	PUMP ASSEMBLY	
	3600107	Ref	PUMP ASSEMBLY	
1	7000501	1	Shaft, Input	
2	7003162	1	Ring, Snap	
3	7000505	1	Bearing	
4	7003164	1	Spacer	
5	7003165	1	Ring, Bearing Retainer	
6	7003166	1	Ring, Retaining	
7	7000478	1	Seal, Lip	
8	7005496	1	Cover, Shaft End	
9	7000475	6	Seal, Ring	
10	7003103	1	Plug	
11	7003168	12	Bearing, Roller	
12	7005436	6	Plate, Thrust	
13	7003193	3 strips	Seal, Pocket	
14	7003189	1	Gear Set (3600107)	
14	7003171	1	Gear Set (3600113)	
15	7000477	6	Seal, Gasket	
16	7005497	1	Housing, Gear - Ported (3600113)	
16	7000481	1	Housing, Gear - Ported (3600107)	
17	7005498	1	Carrier, Bearing - Ported	
18	7003174	2	Shaft, Connecting	
19	7003189	1	Gear Set (32600107)	
19	7003171	1	Gear Set (32600113)	
20	7005439	1	Housing Gear - Without Ports (3600113)	
20	7005500	1	Housing Gear - Without Ports (3600107)	
21	7005498	1	Carrier, Bearing - Ported	
22	7003177	1	Gear Set	
23	7003178	1	Housing, Gear - Without Ports	
24	7000479	1	Cover, Port End	
25	7001293	4	Washer	
26	7003180	4	Stud	
27	7003114	4	Nut	
	2900120	1	Seal Kit (Includes Items 7, 9, 13 & 15)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-23. L.P. GAS SYTEM INSTALLATION



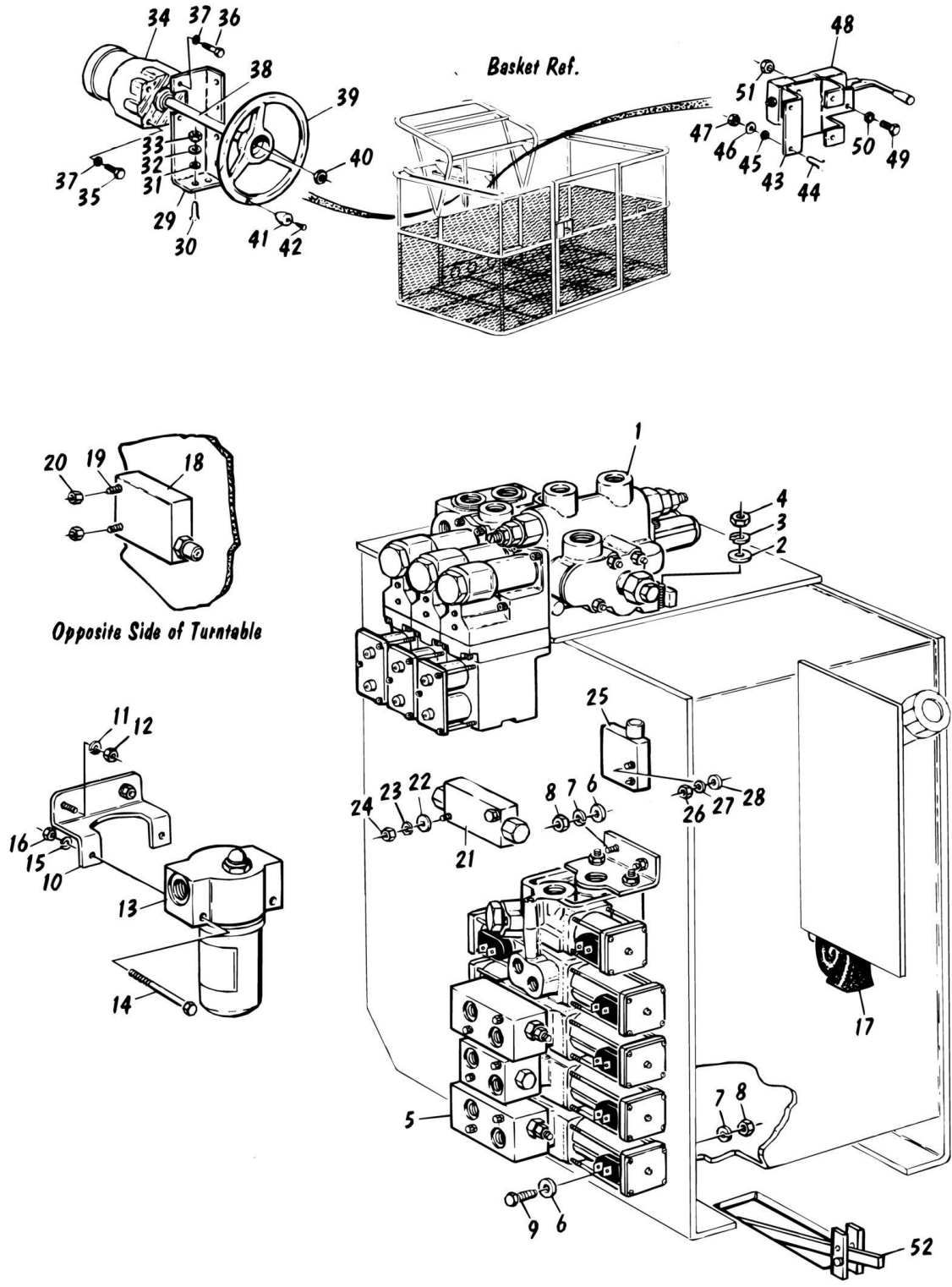
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-23. L.P. GAS SYTEM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237303	Ref	L. P. GAS SYSTEM INSTALLATION	
1	4400038	2	L. P. Gas Tank - 43 1/2 lb Bottle	
2	1320023	2	Clamp, Bracket (Attaching Parts)	
3	0641610	2	Bolt	
4	4751800	2	Flatwasher	
5	4751600	2	Flatwasher	
6	4761600	4	Lockwasher	
7	3311601	4	Nut	
8	0900935	2	Bracket (Attaching Parts)	
9	4751600	4	Flatwasher	
10	4761600	4	Lockwasher	
11	3311601	4	Nut	
12	0233145	1	Pin, L. P. Gas (Attaching Parts)	
13	0641610	2	Bolt	
14	4761600	2	Lockwasher	
15	3311601	2	Nut	
16	2180387	1	Fitting	
17	2720117	1	Hose	
18	0901345	1	Bracket (Attaching Parts)	
19	4751800	4	Flatwasher	
20	4761800	4	Lockwasher	
21	3311801	4	Nut	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-24. CONTROL VALVES INSTALLATION



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-24. CONTROL VALVES INSTALLATION

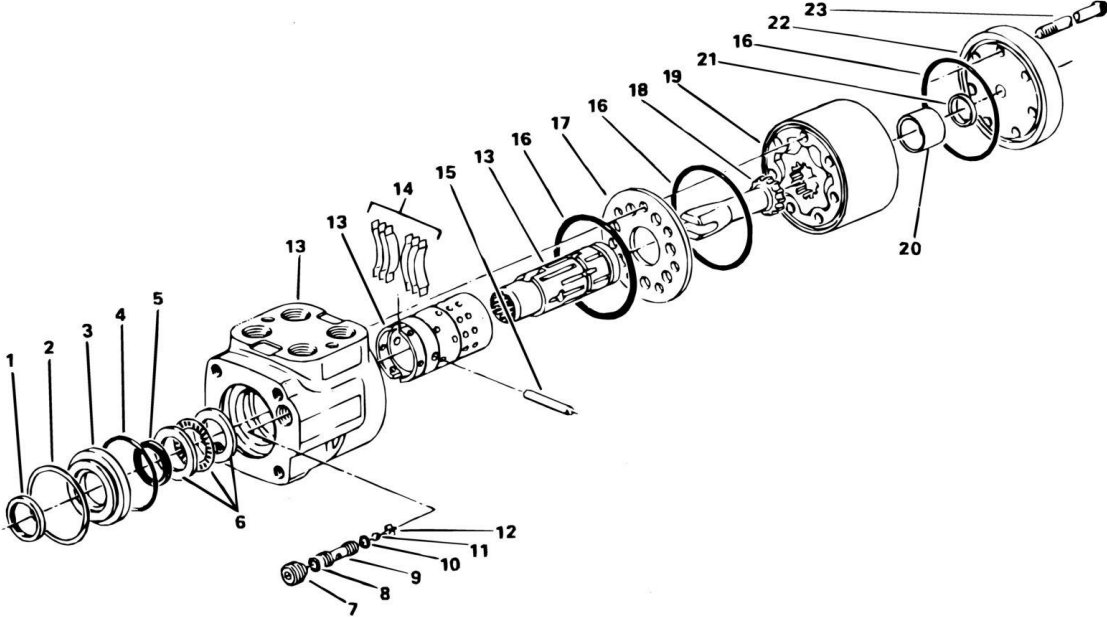
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	CONTROL VALVES INSTALLATION	
	0237226	Ref	CONTROL VALVES INSTALLATION - WITHOUT STEERING WHEEL (WITH ROTATOR)	
	0237227	Ref	CONTROL VALVES INSTALLATION - WITHOUT STEERING WHEEL (WITHOUT ROTATOR)	
	0237228	Ref	CONTROL VALVES INSTALLATION - WITH STEERING WHEEL (WITH ROTATOR)	
	0237229	Ref	CONTROL VALVES INSTALLATION - WITH STEERING WHEEL (WITHOUT ROTATOR)	
1	4640455	1	Valve, Proportional Control (Attaching Parts)	
2	4751600	3	Flatwasher	
3	4761600	3	Lockwasher	
4	3311601	3	Nut	
5	4640247	1	Valve, Solenoid - 4-Stack (Shown)	
5	4640246	1	Valve, Solenoid - 3-Stack (Not Shown)	
5	4640447	1	Valve, Solenoid - 2-Stack (Not Shown) (Attaching Parts)	
6	4751600	4	Flatwasher	
7	4761600	4	Lockwasher	
8	3311601	4	Nut	
9	0641606	2	Bolt	
10	0901159	1	Bracket, Filter Mounting (Attaching Parts)	
11	4761400	2	Lockwasher	
12	3311401	2	Nut	
13	2120078	1	Filter (Attaching Parts)	
14	0641420	1	Bolt	
15	4761400	2	Lockwasher	
16	3311401	2	Nut	
	2120079	1	Element, Filter (Not Shown)	
17	0140001	1	Horn (Use Existing Hardware)	
18	4640136	1	Valve, Solenoid (Attaching Parts)	
19	4300033	2	Stud (Welded on Part)	
20	3311502	2	Nut	
20	0100019	AR	Loctite	
21	4640151	1	Flow Divider (Attaching Parts)	
22	4751500	2	Flatwasher	
23	4761500	2	Lockwasher	
24	3311501	2	Nut	
25	4640360	1	Valve, Dump (Attaching Parts)	
26	4751500	2	Flatwasher	
27	4761500	2	Lockwasher	
28	3311501	2	Nut	
29	0901255	1	Bracket, Steer Valve (Attaching Parts)	
30	4300031	6	Stud (Welded on Part)	
31	4751400	6	Flatwasher	
32	4761400	6	Lockwasher	
33	3311401	6	Nut	
34	4640408	1	Valve, Steer (Attaching Parts)	
35	0641606	2	Bolt	
36	0641608	2	Bolt	
37	4761600	4	Lockwasher	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	1450005	1	Column, Steer	
39	4860097	1	Wheel, Steer (Attaching Parts)	
40	3300073	1	Nut	
41	2560066	1	Handle, Steering Wheel (Attaching Parts)	
42	3900060	1	Screw	
43	0901201	1	Bracket, Rotator Valve (Attaching Parts)	
44	4300031	4	Stud (Welded on Part)	
45	4751400	4	Flatwasher	
46	4761400	4	Lockwasher	
47	3311401	4	Nut	
48	4640434	1	Valve, Rotate (Attaching Parts)	
49	0641416	2	Bolt	
50	4761400	2	Lockwasher	
51	3311401	2	Nut	
	0237337	Ref	TURNTABLE LOCK INSTALLATION	
52	4842413	1	Turntable Lock Weldment	
52	4842412	1	Lever	
52	3531029	1	Plate, Turntable Lock	
52	3430616	1	Pin, Clevis	
52	3420156	1	Pin, Hair	
52	0641618	1	Bolt	
52	3311605	1	Nut	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-25. STEERING VALVE ASSEMBLY



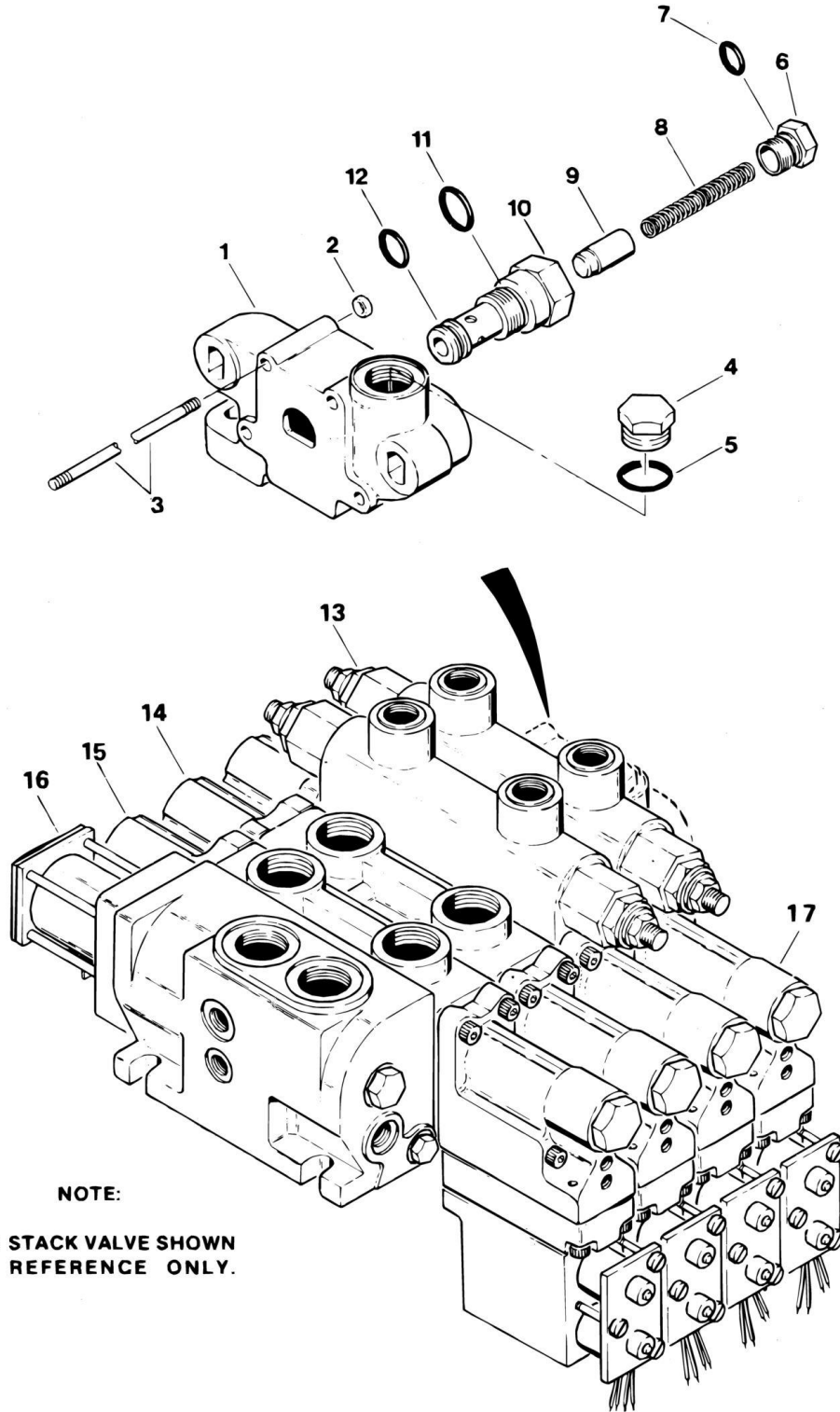
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-25. STEERING VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4640408	Ref	STEERING VALVE ASEMBLY	
1	7000161	1	Seal	
2	7002127	1	Ring, Retaining	
3	7002128	1	Bushing	
4	7002129	1	Seal	
5	7000163	1	Seal	
6	7002171	1	Kit, Needle Bearing	
7	7002131	1	Screw, Set	
8	7002118	1	Seal	
9	7002132	1	Seat, Check Ball	
10	7002133	1	Seal	
11	7002134	1	Ball, Check	
12	7002172	1	Retainer, Check Ball	
13	7002173	1	Control Part Assembly	
14	7002174	6	Spring, Centering	
15	7002163	1	Pin, Centering	
16	7002115	3	Seal	
17	7002138	1	Plate, Spacer	
18	7002175	1	Drive	
19	7002167	1	Gerotor	
20	7002168	1	Spacer, .480	
21	7002169	1	Spacer, .140	
22	7002142	1	Cap, End	
23	7002170	7	Screw, Cap	
	2900596	1	Kit, Seal (Includes Items 1, 4, 5, 8, 10 & 16)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-26. PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLTS



NOTE:

FOUR STACK VALVE SHOWN
FOR REFERENCE ONLY.

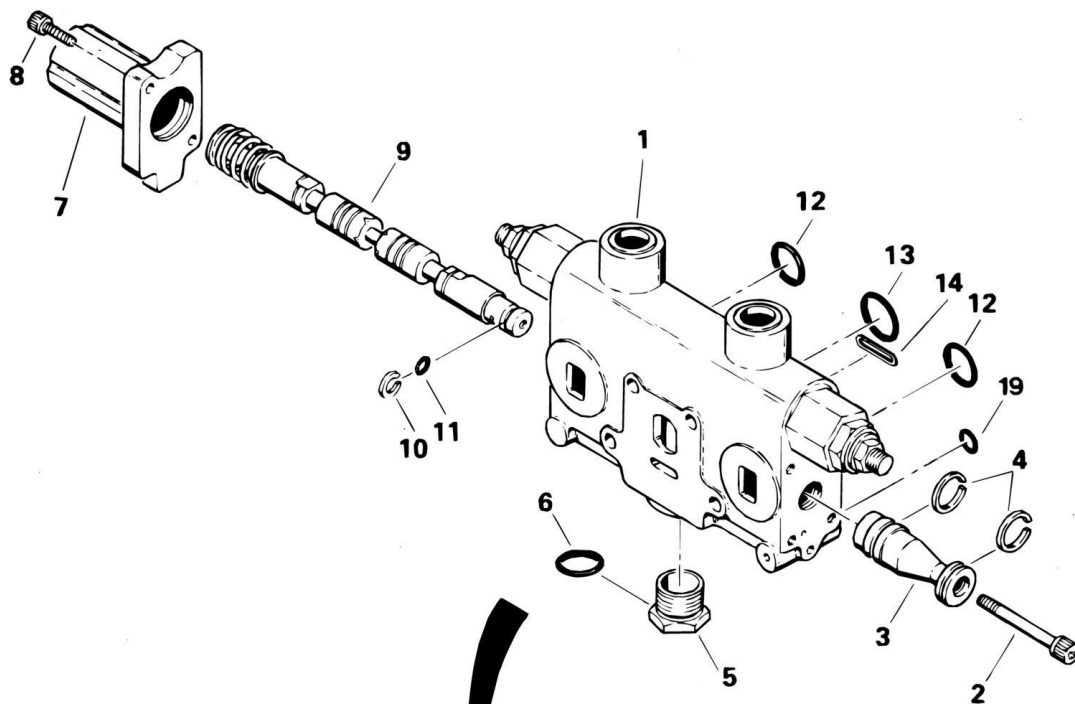
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-26. PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4640455	Ref	PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLT	
1	7004885	1	Outlet Section	
2	7004869	4	Nut	
3	7004870	4	Stud	
4	7004871	1	Plug	
5	7002298	1	O-Ring	
	7004872	1	Cartridge Assembly, Pilot Pressure	
	7002288	1	Plug and O-Ring Assembly	
6	7004873	1	Plug	
7	7000102	1	O-Ring	
8	7004874	1	Spring	
9	7002287	1	Poppet	
10	7004875	1	Housing	
11	7004876	1	O-Ring	
12	7002227	1	O-Ring	
13	7004891	1	Swing Valve Section	
14	7004888	1	Lift Valve Section	
15	7004890	1	Drive Valve Section	
16	7002364	1	Inlet Manifold	
17	7004884	1	Servo Assembly - 7.5 Volt	
17	7004831	1	Seal Kit for 7002368	

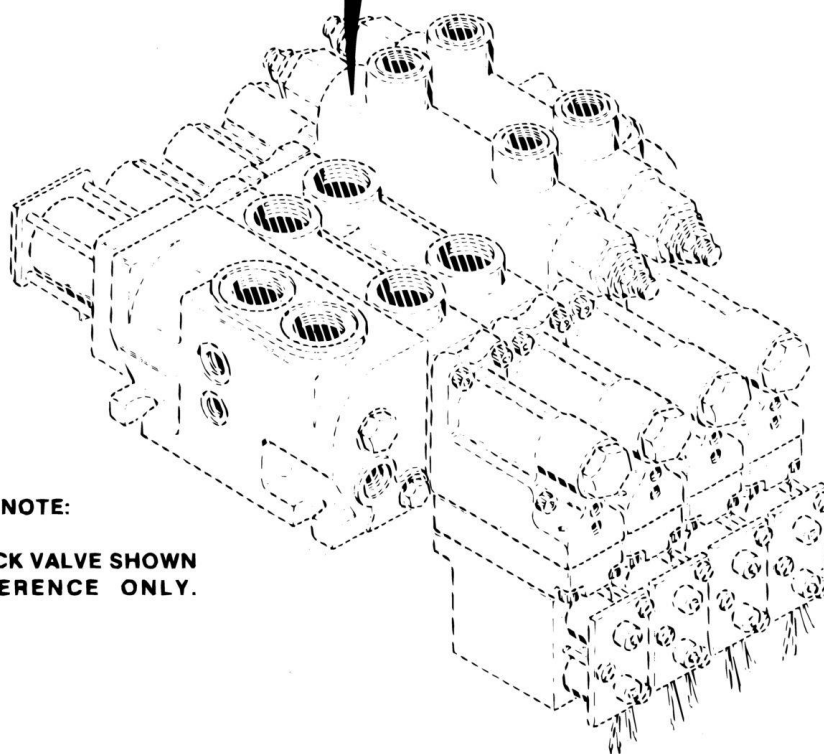
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-27. LIFT VALVE SECTION ASSEMBLY



NOTE:

**FOUR STACK VALVE SHOWN
FOR REFERENCE ONLY.**



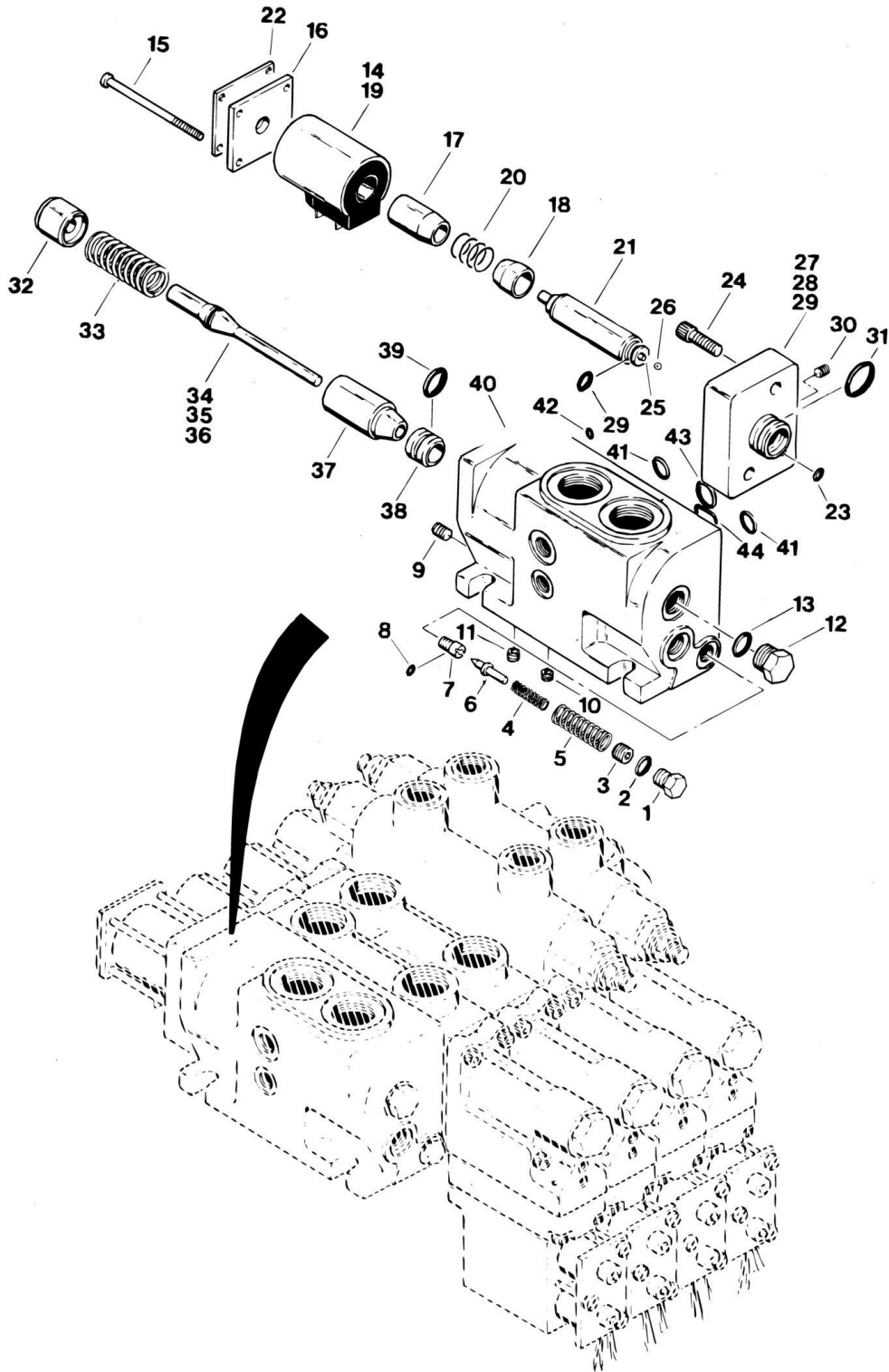
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-27. LIFT VALVE SECTION ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7004888	Ref	LIFT VALVE SECTION ASSEMBLY	
	7004891	Ref	SWING VALVE SECTION	
	7004890	Ref	DRIVE VALVE SECTION	
1	7002314	1	VALVE ASSEMBLY - LIFT	
1	7002313	1	VALVE ASSEMBLY - SWING	
1	7004866	1	VALVE ASSEMBLY - DRIVE	
2	7002391	1	Screw, Socket Head	
3	7004808	Ref	Ramp (Supplied with Servo)	
4	7002233	Ref	Ring (Supplied with Servo)	
5	7004802	1	Plug Assembly	
6	7004867	1	O-Ring	
7	7002398	1	Cap End (Attaching Parts)	
8	7002231	2	Screw, Socket Head	
9	7004805	1	Spool, Lift Section	
9	7004807	1	Spool, Swing Section	
9	4140010	1	Spool, Drive Section	
10	7002394	1	Piston Ring	
11	7002388	1	O-Ring	
12	7002381	2	O-Ring	
13	7002393	1	O-Ring	
14	7002380	1	O-Ring	
15	7002378	1	O-Ring	
15	7004832	4	Seal Kit	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-28. INLET VALVE SECTION ASSEMBLY



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-28. INLET VALVE SECTION ASSEMBLY

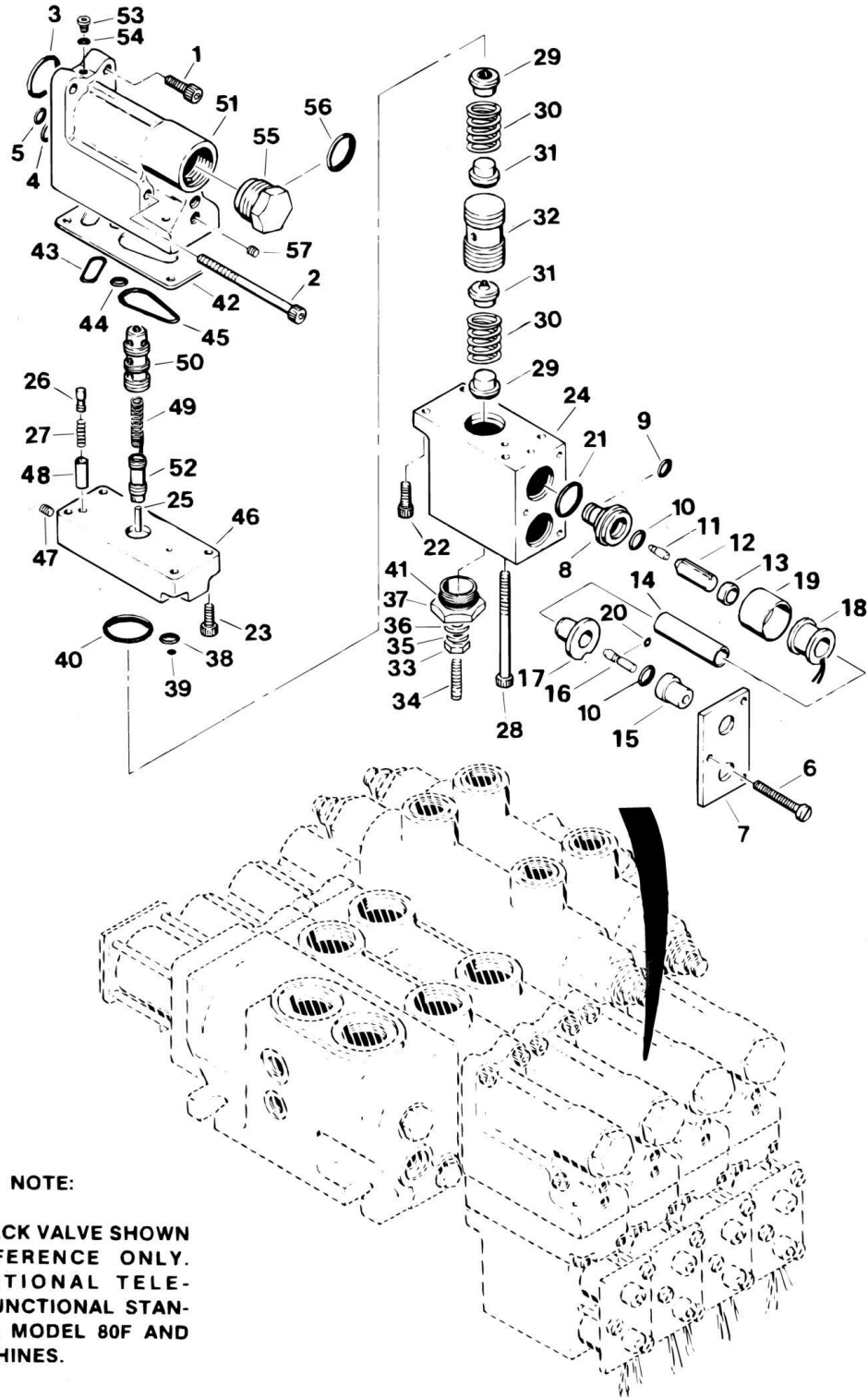
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7002364	Ref	INLET VALVE SECTION ASSEMBLY	
	7002385	1	PLUG ASSEMBLY	
1	7004848	1	Plug	
2	7004849	1	O-Ring	
3	7002384	1	Screw, Socket Set	
4	7002377	1	Spring Compression, Helical	
5	7002376	1	Spring Compression, Helical	
6	7002371	1	Poppet	
6	7004850	1	Seat Assembly	
7	7004851	1	Seat	
8	7004811	1	O-Ring	
9	7002324	4	Plug	
10	7002326	1	Orifice, 0.040	
11	7002375	1	Orifice, 0.062	
11	7002386	1	Plug Assembly	
12	7004853	1	Plug	
13	7002351	1	O-Ring	
14	7000417	1	Coil, 12 Volt DC	
14	7004854	1	Solenoid Assembly	
15	7004837	4	Screw, Slotted, Pan Head	
16	7002338	1	Plate	
17	7004824	1	Sleeve	
18	7004835	1	Sleeve	
19	7004836	1	Case	
20	7002334	1	Spring	
21	7004855	1	Guide, Tube Assembly	
21	7004838	1	Tube	
21	7004839	1	Plunger	
21	7004856	1	Pin and Guide Assembly	
21	7002340	1	Guide	
21	7002337	1	Packing, Preformed, O-Ring	
21	7004857	1	Pin and Quad Ring Assembly	
21	7004841	1	Pin	
21	7002342	1	Quad Ring	
21	7004858	1	Cone and O-Ring Assembly	
21	7004822	1	Cone	
21	7004824	1	Packing, Preformed, O-Ring	
22	7002327	1	Nameplate	
23	7002226	1	O-Ring	
24	7002374	2	Screw, Socket Recessed	
25	7002319	1	Pin	
26	7002229	1	Ball	
26	7002330	1	Seat Assembly	
27	7004823	1	Seat, Ball	
28	7002378	1	O-Ring	
28	7004860	1	End Cap Assembly	
29	7004861	1	Cap	
30	7002223	1	Plug	
31	7004862	1	O-Ring	
32	7002373	1	Spacer	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
33	7002379	1	Spring	
33	7004863	1	Stem Assembly	
34	7004864	1	Stem	
35	7004842	1	O-Ring	
36	7004865	1	Glyd Ring	
37	7002372	1	Poppet	
38	7002370	1	Seat	
39	7002383	1	O-Ring	
40	7002360	1	Housing, Inlet Manifold	
41	7002381	2	O-Ring	
42	7002378	1	O-Ring	
43	7002382	1	O-Ring	
44	7002380	1	O-Ring	
44	7004833	1	Seal Kit	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-29. PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLTS



NOTE:

FOUR STACK VALVE SHOWN FOR REFERENCE ONLY. PROPORTIONAL TELESCOPE FUNCTIONAL STANDARD ON MODEL 80F AND 110F MACHINES.

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-29. PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLTS

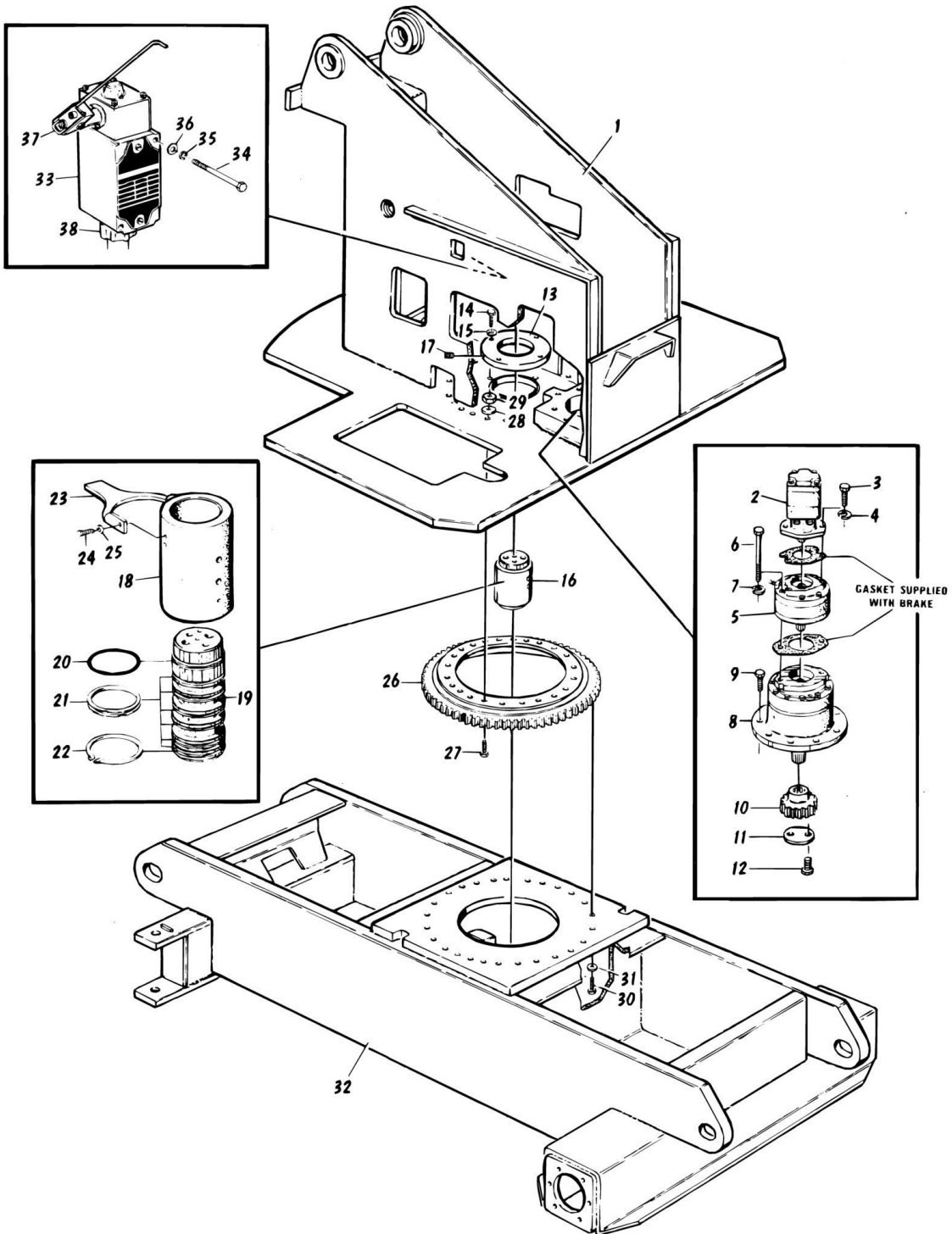
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4640455	Ref	PROPORTIONAL CONTROL VALVE ASSEMBLY 7.5 VOLT	
	7004884	3	Servo Assembly (Attaching Parts)	
	7004831	1	Seal Kit for Servo	
1	7002231	1	Screw, Socket Head	
2	7004878	2	Screw, Socket Head	
3	7002390	1	O-Ring	
4	7002389	1	O-Ring	
5	7002392	1	O-Ring	
5	0100011	AR	Loctite	
	7004883	2	Nose Cone Assembly (Contains Items 8 thru 14) (Attaching Parts)	
6	7002240	3	Screw, Slotted	
7	7002218	1	Plate	
8	7002210	1	Nose	
9	7000463	1	O-Ring	
10	7004826	2	O-Ring	
11	7000423	1	Poppet	
12	7002212	1	Plunger	
13	7002216	1	Sleeve	
14	7002215	1	Tube	
15	7002214	1	Retainer	
16	7002213	2	Pin	
17	7002211	1	Cover	
18	1420003	2	Coil, 7.5 Volt	
19	7002242	2	Case	
20	7000434	2	O-Ring	
21	7002247	2	Packing, Preformed, O-Ring	
22	7002222	2	Screw, Socket Head (Short)	
23	7002228	2	Screw, Socket Head (Long)	
24	8004818	1	Body, Control	
25	7002238	1	Pin	
26	7002220	1	Spool	
27	7002241	1	Spring, Compression, Helical	
28	7002228	2	Screw, Socket Head	
29	7004880	2	Spring Seat and Ball	
30	7002237	2	Spring, Contour	
31	7004881	2	Spring Seat and Ball	
32	7002206	1	Control Pilot Piston	
33	7002224	1	Nut, Jam	
34	7004813	1	Screw, Cup Point	
35	7004812	1	Washer	
36	7004809	1	Seal	
37	7002209	1	Plug	
38	7004810	1	Packing, Preformed, O-Ring	
39	7002392	1	Packing, Preformed, O-Ring	
40	7002382	1	Packing, Preformed, O-Ring	
41	7002227	1	Packing, Preformed, O-Ring	
42	7004815	1	Seal Plate	
43	7002282	1	Packing, Preformed, O-Ring	
44	7002389	1	Packing, Preformed, O-Ring	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	7002393	1	Packing, Preformed, O-Ring	
46	7004816	1	Plate, Adapter	
47	7004882	1	Screw, Socket Set	
48	7002217	1	Spool Stop	
49	7002234	1	Spring, Sleeve and Spool	
50	7002203	1	Sleeve Assembly	
51	7004817	1	Body, Servo	
52	7002205	1	Spool	
53	7004814	1	Plug	
54	7004811	1	O-Ring	
55	7002204	1	Plug	
56	7000110	1	O-Ring	
56	7004808	1	Ramp	
56	7002233	2	Ring	
57	7002223	2	Plug	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-30. TURNTABLE AND SWING COMPONENTS ASSEMBLIES AND INSTALLATIONS



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-30. TURNTABLE AND SWING COMPONENTS ASSEMBLIES AND INSTALLATIONS

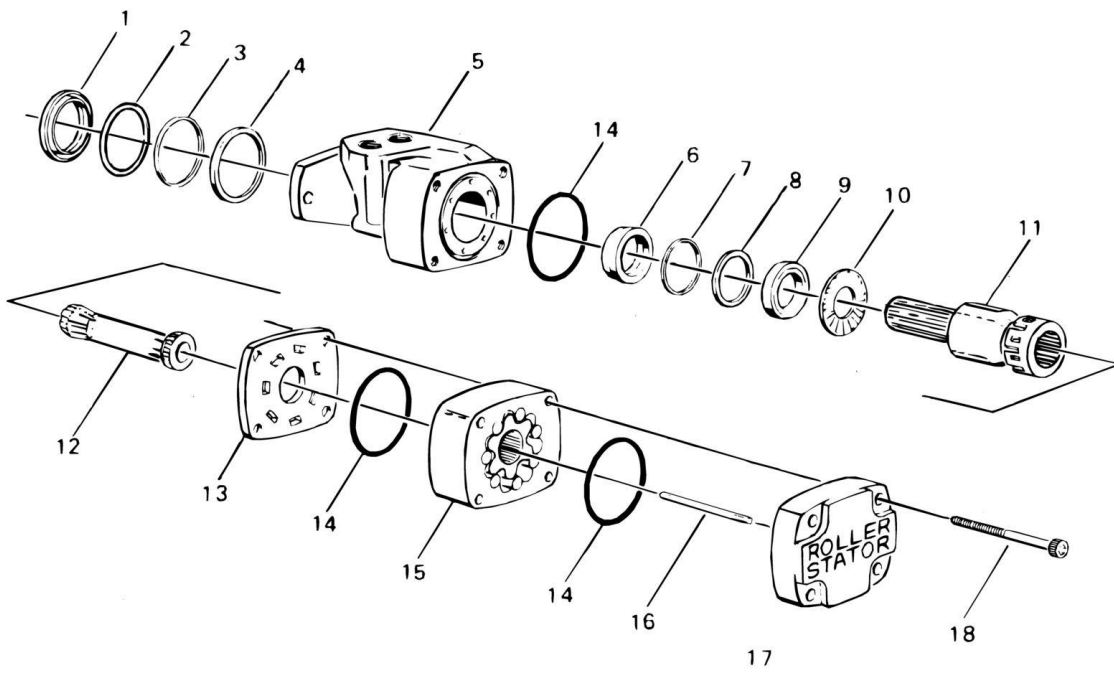
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TURNTABLE AND SWING COMPONENTS ASSEMBLIES AND INSTALLATIONS	
1	4620020	1	Turntable	
	0237208	Ref	SWING DRIVE ASSEMBLY	
2	3160114	1	Motor (Attaching Parts)	
3	0641810	2	Bolt	
4	4761800	2	Lockwasher	
5	0920032	1	Brake (Attaching Parts)	
6	0641836	2	Bolt	
7	4761800	2	Lockwasher	
8	2780055	1	Hub, Torque (Attaching Parts)	
9	0641912	9	Bolt	
9	0100019	AR	Loctite	
10	2440022	1	Gear, Pinion (Attaching Parts)	
11	3501916	1	Plate, Retaining	
12	3900031	2	Screw	
12	0100019	AR	Loctite	
	0234479	Ref	ROTARY OIL COUPLING INSTALLATION	
13	1440026	1	Collar (Attaching Parts)	
14	0641512	4	Bolt	
15	4761500	4	Lockwasher	
16	1660031	1	Coupling (Attaching Parts)	
17	3951820	2	Setscrew	
17	0100011	AR	Loctite	
18	2760025	1	Housing, Swivel	
19	0620006	1	Body, Swivel	
20	3790425	1	O-Ring	
21	3960013	6	Seal	
22	3760004	1	Ring, Retaining	
23	3530403	1	Plate, Retaining (Attaching Parts)	
24	0641807	2	Bolt	
25	4761800	2	Lockwasher	
25	0100003	AR	Loctite	
	0236642	Ref	BEARING INSTALLATION	
26	0440067	1	Bearing (Attaching Parts)	
27	0630167	23	Bolt	
28	4740004	19	Washer, Hardened	
28	4740144	4	Washer, Modified	
29	3300183	23	Nut, Heavy Hex	
29	0100003	AR	Loctite	
30	0630160	23	Bolt	
31	4740003	19	Washer, Hardened	
31	4740048	4	Washer, Special	
31	0100003	AR	Loctite	
32	2360185	1	Frame	
	0237395	Ref	HORIZONTAL CUTOUT SWITCH INSTALLATION	
33	4360057	1	Switch, Limit (Attaching Parts)	
34	0641014	2	Bolt	
35	4761000	2	Lockwasher	
36	4751000	2	Flatwasher	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	0200048	1	Arm, Switch - Actuator	
38	4460049	1	Connector	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-31. SWING DRIVE MOTOR ASSEMBLY



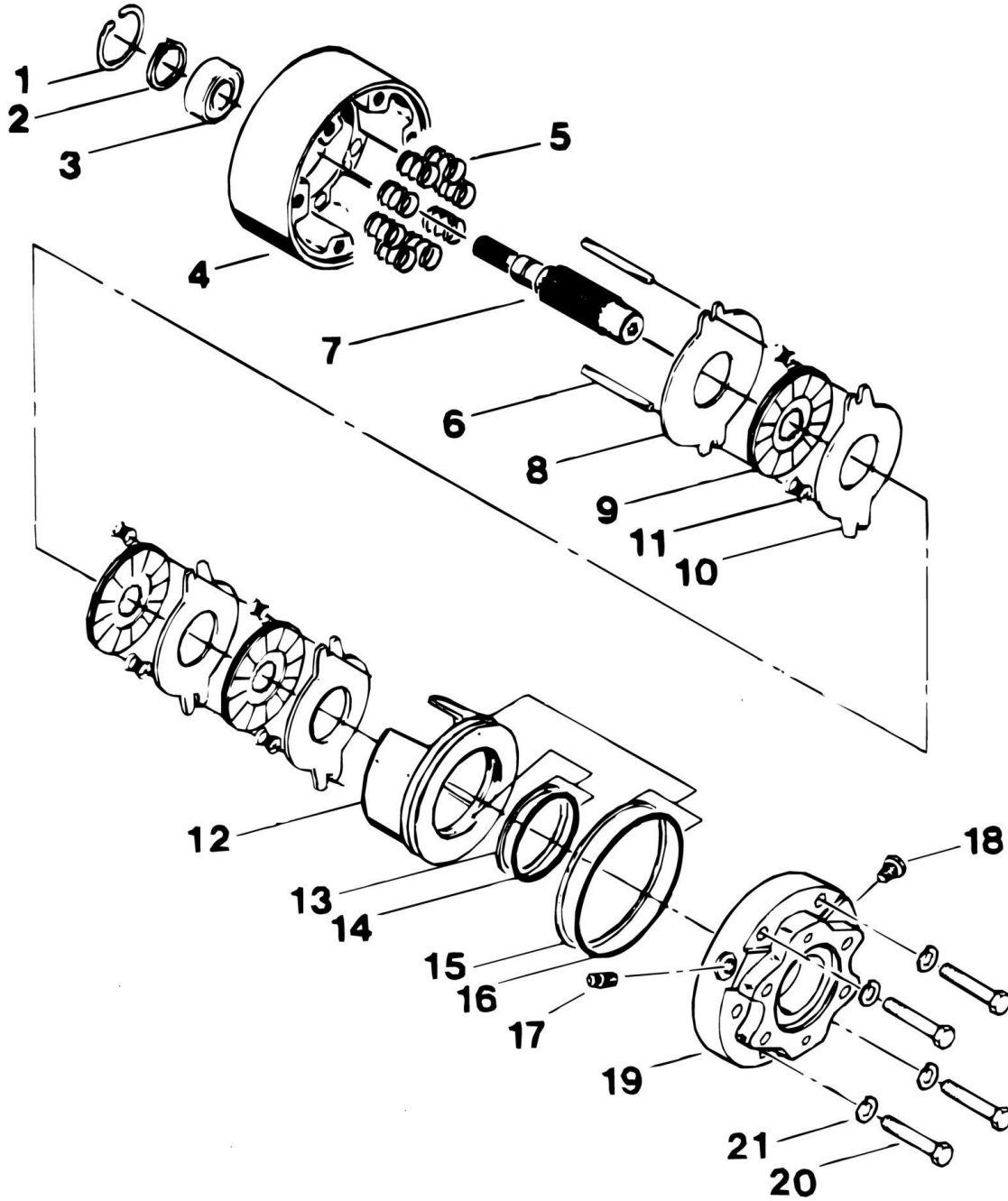
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-31. SWING DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160114	Ref	SWING DRIVE MOTOR ASEMBLY	
1	7005800	1	Seal Dust	
2	7005801	1	Ring, Wire	
3	7005802	1	Shim	
4	7005803	1	Seal	
5	7005818	1	Housing	
6	7005805	1	Seal, Carrier	
7	7005806	1	Shim	
8	7005807	1	Leather Back-up	
9	7005808	1	Seal, Shaft	
10	7005809	1	Bearing, Thrust	
11	7005810	1	Shaft RS	
12	7005811	1	Link, Drive	
13	7005812	1	Plate, Wear	
14	7005813	3	Seal	
15	7005819	1	Stator, Roller	
16	7005820	1	Pin, Dowel	
17	7005816	1	Cover, End	
18	7005821	4	Bolt	
18	2900477	1	Seal Kit Consisting of Items 1, 2, 3, 4, 6, 7, 8, 9 & 14	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-32. SWING DRIVE BRAKE ASSEMBLY - AUSCO



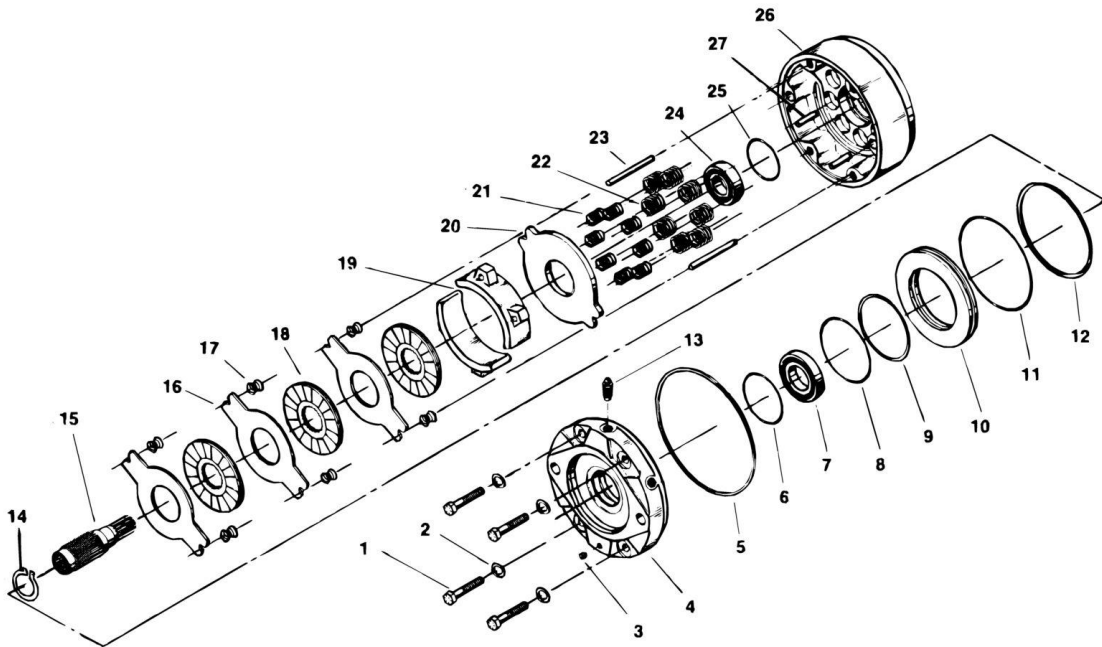
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-32. SWING DRIVE BRAKE ASSEMBLY - AUSCO

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0920032	Ref	SWING DRIVE BRAKE ASSEMBLY, AUSCO	
1	7000711	1	Ring, Retaining	
2	7000712	1	Ring, Retaining	
3	7000713	1	Bearing, Ball	
4	7000714	1	Housing, Brake	
5	7000798	8	Spring, Compression	
6	7000717	2	Pin, Torque	
7	7003013	1	Shaft, Splined	
8	7000718	1	Disc, Primary	
9	7000732	3	Disc, Rotating	
10	7000720	3	Disc, Stationary	
11	7003006	6	Spring, Compression	
12	7000721	1	Piston	
13	7000722	1	Ring, Backup, Packing	
14	7000723	1	O-Ring	
15	7000724	1	Ring, Backup, Packing	
16	7000725	1	O-Ring	
17	7000796	1	Screw, Bleeder	
18	7000728	1	Plug, Protective	
19	7003012	1	Plate, Power	
20	7000730	4	Screw, Cap	
21	7000729	4	Lockwasher	
21	2900131	1	Seal Kit (Includes Items 13 thru 16)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-33. SWING DRIVE BRAKE ASSEMBLY - MICO



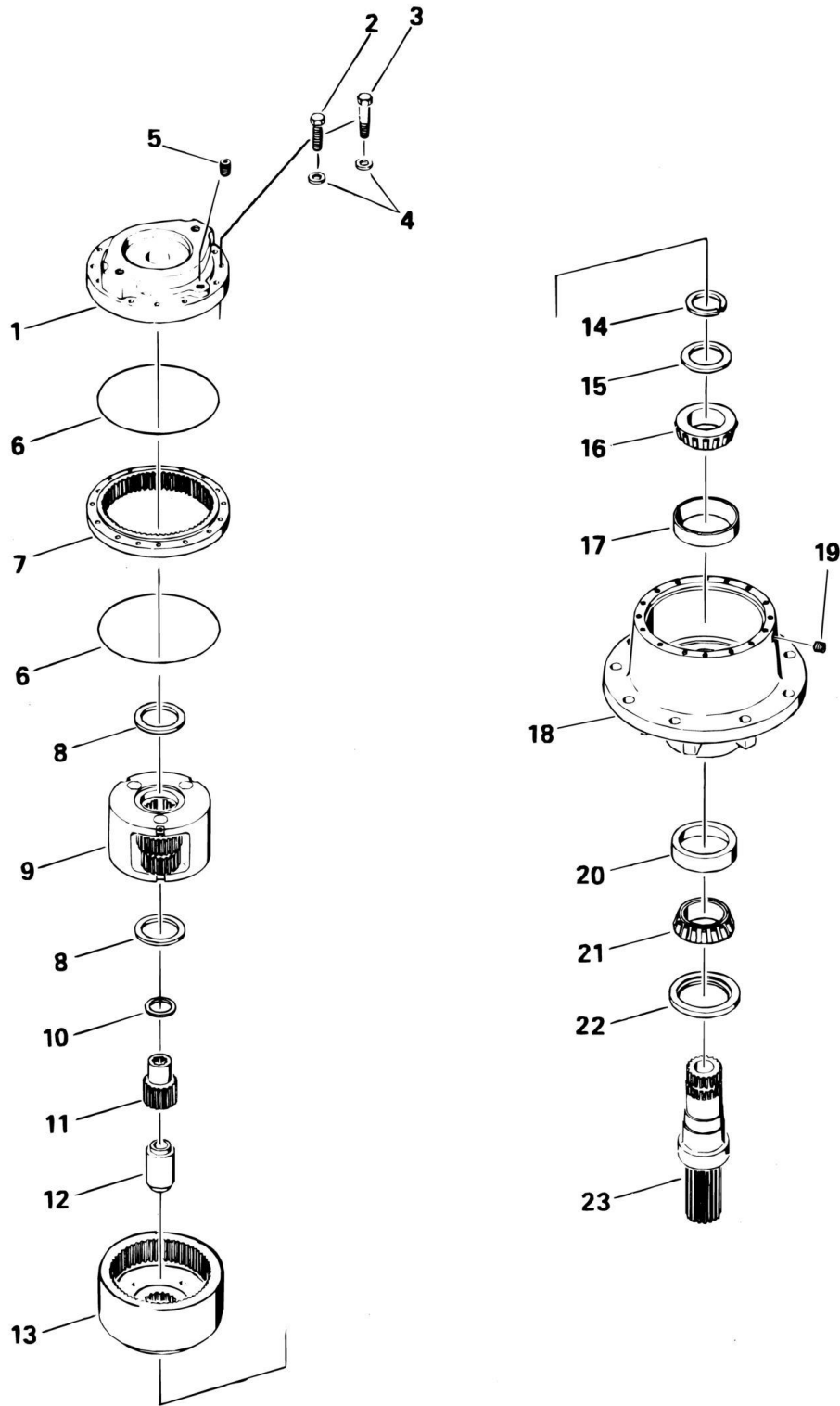
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-33. SWING DRIVE BRAKE ASSEMBLY - MICO

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0920032	Ref	SWING BRAKE ASSEMBLY, MICO	
1	7007913	4	Cap Screw	
2	7007912	4	Lockwasher	
3	7007924	1	Pipe Plug	
4	7007928	1	Cover	
5	7007910	1	Square Ring	
6	7007932	1	O-Ring	
7	7007931	1	Bearing	
8	7007918	1	O-Ring	
9	7007917	1	Back-Up Ring	
10	7007923	1	Piston	
11	7007922	1	O-Ring	
12	7007921	1	Back-Up Ring	
13	7007914	1	Bleeder Screw	
14	7007935	1	Retaining Ring	
15	7007926	1	Shaft	
16	7007908	3	Disc	
17	7007916	6	Spring	
18	7007909	3	Friction Disc	
19	7007902	2	Separator	
20	7007907	1	Disc (Large Diameter)	
21	7007906	8	Spring	
22	7007905	8	Spring	
23	7007915	2	Dowel Pin	
24	7007927	1	Bearing	
25	7007929	1	O-Ring	
26	7007930	1	Housing	
26	7007933	1	Mounting Gasket (Not Shown)	
26	7007934	1	Mounting Gasket (Not Shown)	
26	2900642	1	Kit, Seal (Includes Items 5, 6, 8, 9, 11, 12 & 25)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-34. SWING DRIVE HUB ASSEMBLY



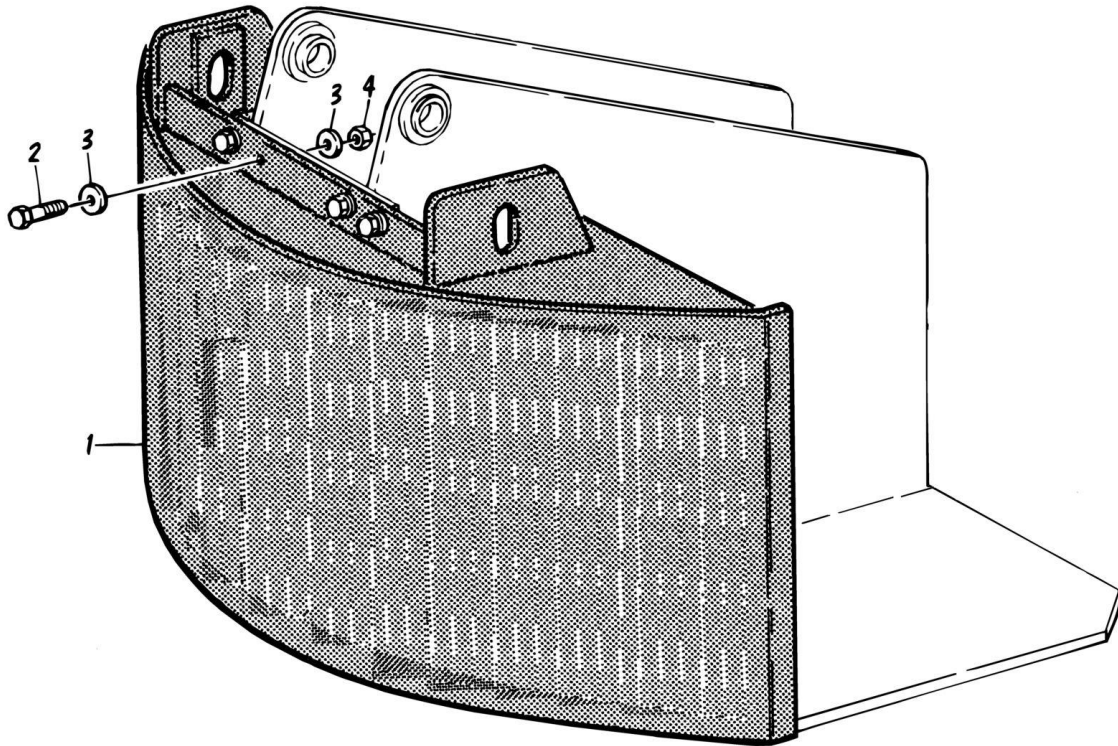
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-34. SWING DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780055	Ref	DRIVE HUB ASSEMBLY - SWING DRIVE	
1	7000209	1	Cover (Attaching Parts)	
2	7000217	8	Bolt, Hex Head	
3	7000214	4	Bolt, Hex Head, Shoulder	
4	4751500	12	Flatwasher	
5	7000242	1	Plug, Pipe	
6	7000230	2	O-Ring	
7	7000208	1	Gear, Ring	
8	7000253	2	Washer, Thrust	
9	7000207	1	Planet Carrier Assembly-No Service Breakdown Parts-Purchase Entire Assembly.	
10	7000270	1	Washer, Thrust	
11	7000268	1	Gear, Sun-Input	
12	7000269	1	Spacer, Sun Gear	
13	7000246	1	Gear, Internal	
	7000271		HUB ASSEMBLY	
14	7000229	1	Ring, Retaining	
15	7000232	1	Spacer	
16	7000258	1	Bearing, Tapered Roller	
17	7000257	1	Cup, Bearing	
18	7000210	1	Hub	
19	7000242	1	Plug, Pipe	
20	7000255	1	Cup, Bearing	
21	7000256	1	Bearing, Tapered Roller	
22	7000228	1	Seal	
23	7000233	1	Shaft, Output	
	2900034	1	Kit, Repair (Includes Items 6, 14, 15 & 22.)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-35. COUNTERWEIGHT INSTALLATION



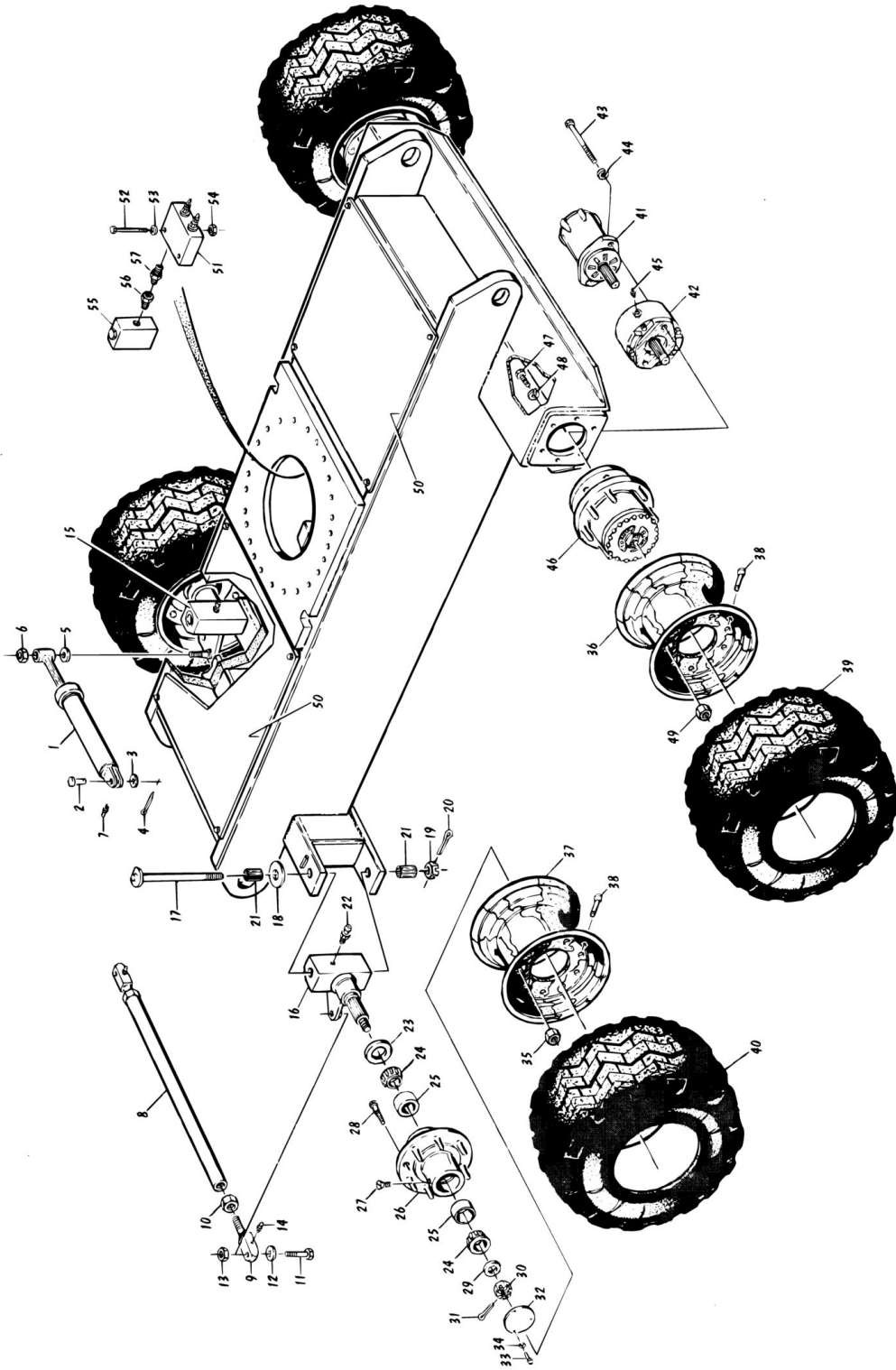
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-35. COUNTERWEIGHT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237240	Ref	COUNTERWEIGHT INSTALLATION	
1		Ref	Counterweight Box (Attaching Parts)	
2	0642224	10	Bolt	
3	4740057	20	Flatwasher	
4	3312201	10	Nut	
	0100003	AR	Loctite	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-36. STEERING AND DRIVE COMPONENTS ASSEMBLIES AND INSTALLATIONS



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-36. STEERING AND DRIVE COMPONENTS ASSEMBLIES AND INSTALLATIONS

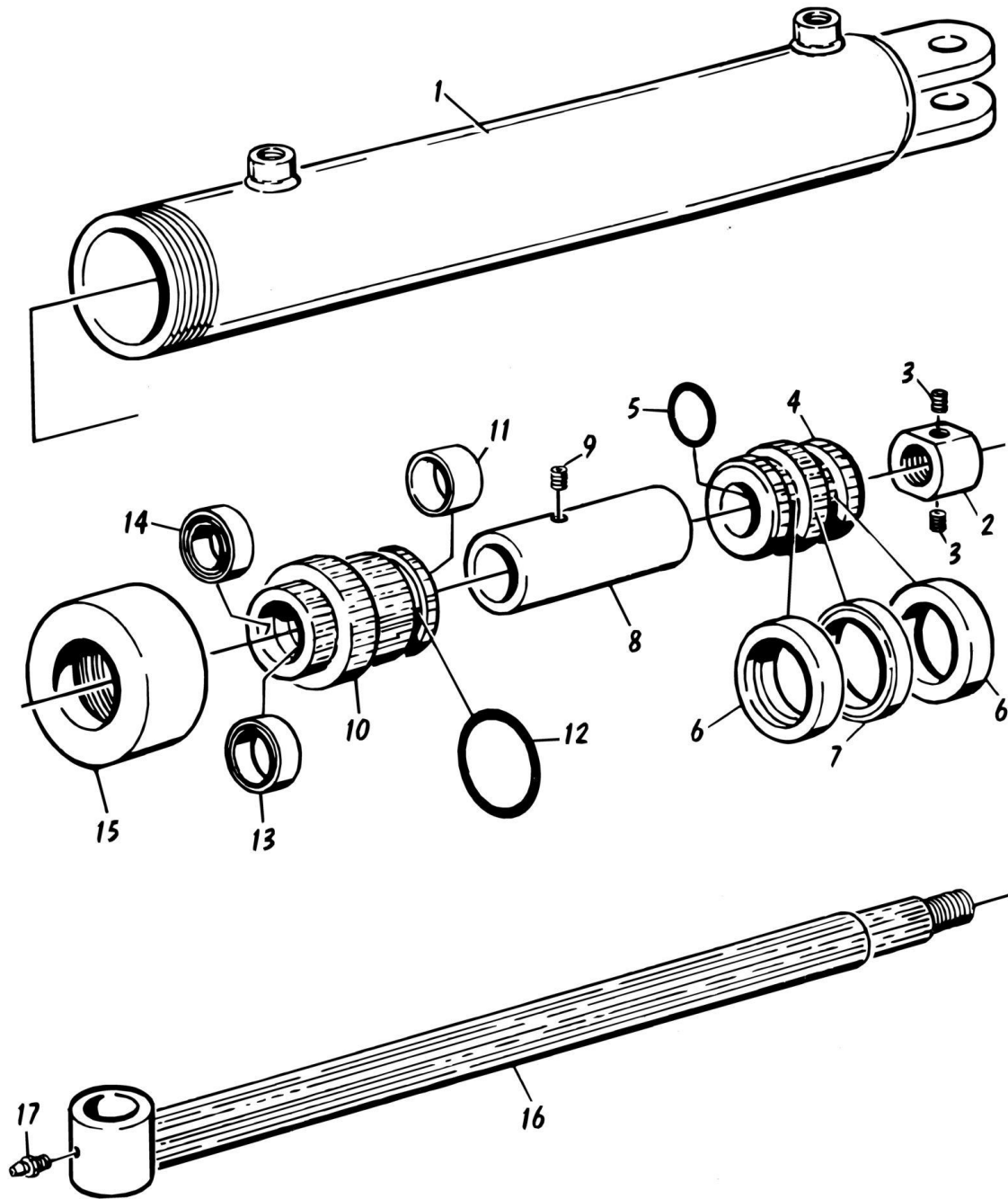
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	STEERING AND DRIVE COMPONENTS ASSEMBLIES AND INSTALLATIONS	
	0237165	Ref	STEERING AND SPINDLE INSTALLATIONS	
1	1681562	1	Cylinder, Steer (Attaching Parts)	
2	3431622	1	Pin, Clevis	
3	4712600	1	Flatwasher	
4	3450606	1	Pin, Cotter	
5	0440091	1	Washer, Thrust	
6	3300175	1	Locknut	
7	2160002	1	Fitting, Grease	
8	3840865	1	Tie Rod (Attaching Parts)	
9	0560605	2	Block, Tie Rod	
10	3323002	2	Nut, Jam	
11	0642628	2	Bolt	
12	0440091	2	Washer, Thrust	
13	3312602	2	Nut, Jam	
13	0100011	AR	Loctite	
14	2160002	2	Fitting, Grease	
15	4160163	1	Spindle (R.H.)	
16	4130064	1	Spindle (L.H.) (Attaching Parts)	
17	3421153	2	Pin, King	
18	0440161	2	Washer, Thrust	
19	3323403	2	Nut, Slotted	
20	3451012	2	Pin, Cotter	
21	0960523	4	Bushing	
22	2160002	2	Fitting, Grease	
23	3960098	2	Seal, Hub	
24	0440019	4	Cone, Bearing	
25	0440018	4	Cup, Bearing	
26	2780091	2	Hub	
27	3520048	2	Plug, Tapered	
28	0630137	18	Stud, Wheel	
29	4740016	2	Washer, Special	
30	3323403	2	Nut, Slotted	
31	3451012	2	Pin, Cotter	
32	1120032	2	Cap, Hub (Attaching Parts)	
33	0721003	6	Screw	
34	4761000	6	Lockwasher	
35	3300012	18	Nut, Wheel	
	0237230	Ref	WHEEL AND TIRE ASSEMBLY (DRIVE)	
	0237231	Ref	WHEEL AND TIRE ASSEMBLY (FRONT)	
36	0237277	2	Wheel (Drive)	
37	0237168	2	Wheel (Front)	
38	4640113	4	Valve, Tire	
39	4520092	2	Tire (Drive)	
40	4520091	2	Tire (Front)	
	0237273	Ref	WHEEL DRIVE INSTALLATION	
41	3160104	2	Motor, Drive	
42	0920027	2	Brake, Drive (Attaching Parts)	
43	0641844		Bolt	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	4761800	2	Lockwasher	
45	7000796	2	Bleeder	
46	2780129	2	Hub, Torque (Attaching Parts)	
47	0642016	12	Bolt	
48	476200	12	Lockwasher	
49	3300106	18	Nut, Wheel	
	0237166	Ref	FRAME SHIELDS INSTALLATIONS	
50	4060624	2	Shield (Attaching Parts)	
50	4300031	8	Stud (Welded)	
50	4751400	8	Flatwasher	
50	4761400	8	Lockwasher	
50	3300151	8	Nut, Acorn	
	0237210	Ref	COUNTERBALANCE AND FLOW DIVIDER VALVE INSTALLATIONS	
51	4640451	1	Valve, Counterbalance (Attaching Parts)	
52	0641626	2	Bolt	
53	4761600	2	Lockwasher	
54	3311601	2	Nut	
55	4640443	1	Valve, Flow Divider (Attaching Parts)	
56	2220061	1	Fitting	
57	2180134	1	Fitting	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-37. STEER CYLINDER ASSEMBLY



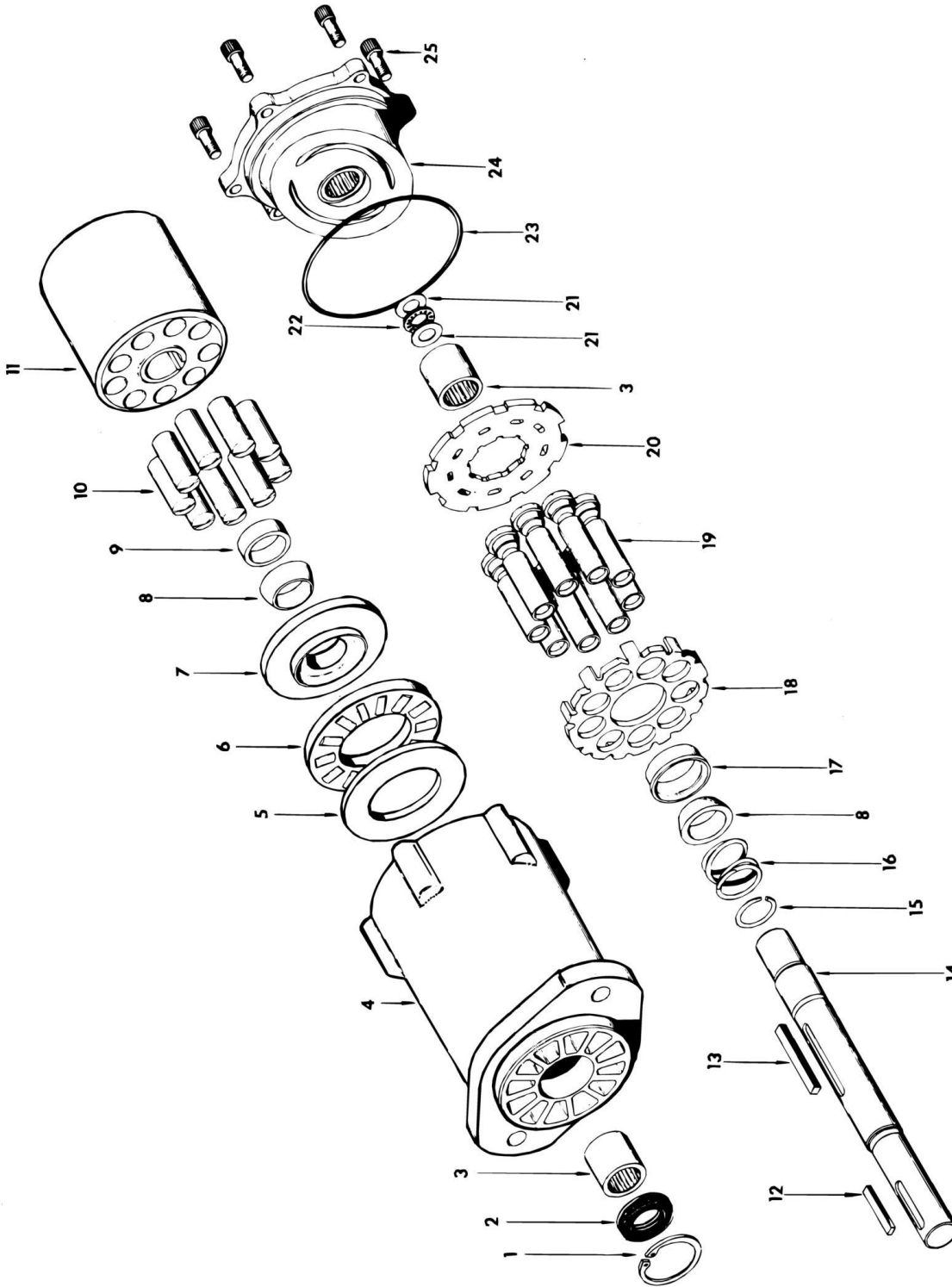
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-37. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1681562	Ref	STEER CYLINDER ASSEMBLY	
1	1681433	1	Barrel	
2	3300187	1	Nut	
3	3900141	2	Screw, Set	
3	0100011	AR	Loctite	
4	3480101	1	Piston	
5	3780170	1	O-Ring	
6	3760198	2	Ring, Wear	
7	3960295	1	Seal	
8	4562687	1	Spacer	
9	3900141	1	Screw, Set	
9	0100011	AR	Loctite	
10	1681322	1	Head	
11	3760112	1	Ring, Wear	
12	3780164	1	O-Ring	
13	3960293	1	Seal, Rod	
14	3950128	1	Wiper, Rod	
15	1120108	1	End Cap	
16	1681435	1	Rod	
17	2160002	1	Fitting, Grease	
	2900364	1	Seal Kit (Includes Items 5, 6, 7, 11, 12, 13 & 14)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-38. DRIVE MOTOR ASSEMBLY



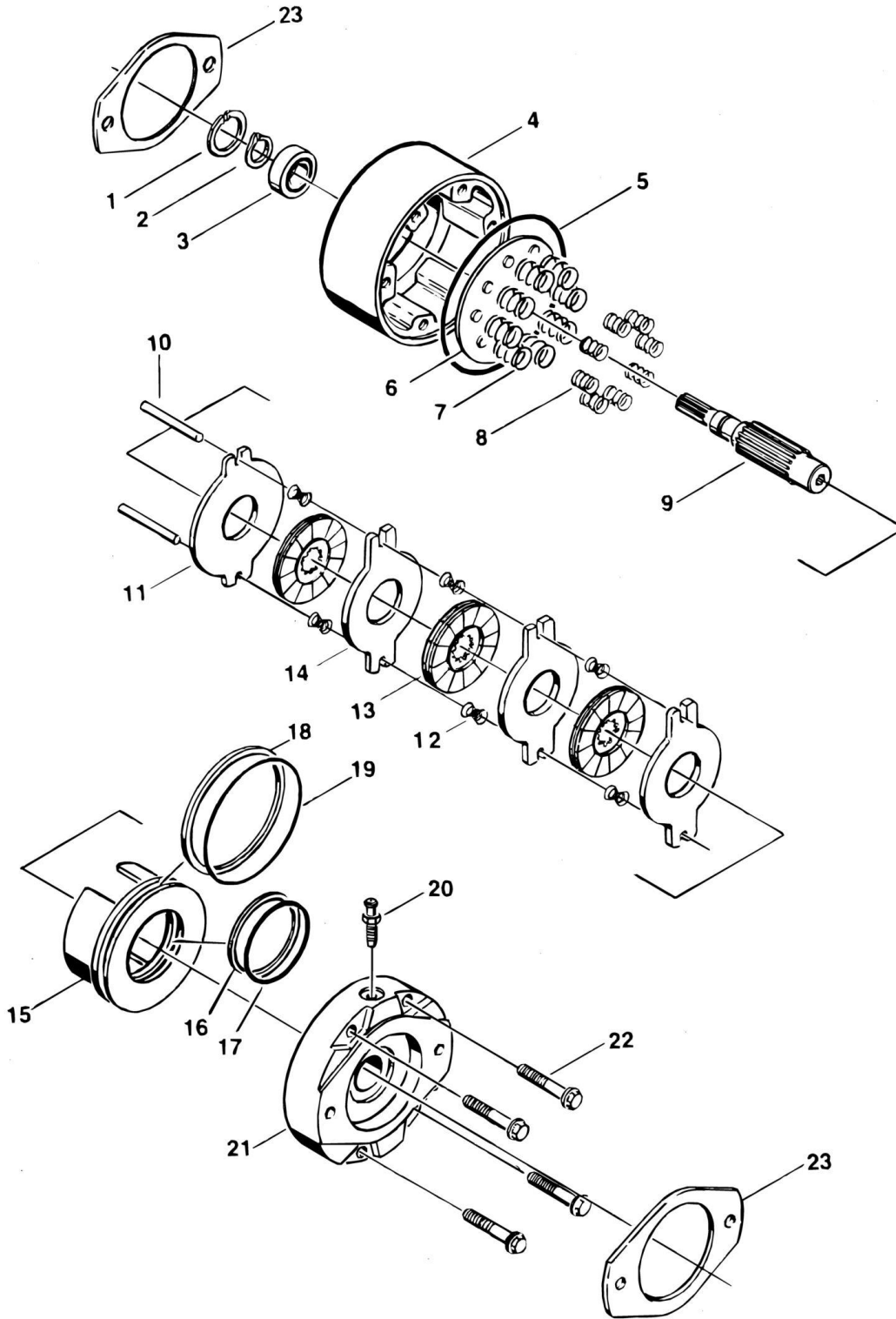
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-38. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160104	Ref	MOTOR, DRIVE	
1	7004935	1	Ring, Retaining	
2	7007592	1	Seal, Shaft	
3	7007593	2	Bearing	
4	7007594	1	Assembly, Housing (With Bearing)	
5	7007595	1	Race, Bearing	
6	7007596	1	Bearing, Thrust	
7	7007597	1	Assembly, Piston Race	
8	7007598	1	Pivot	
9	7007599	1	Spacer	
10	7007814	1	Kit, Piston Replacement	
11	7007800	1	Block, Piston	
13	7007801	1	Key	
14	7007802	1	Shaft, Drive	
15	7007803	1	Ring, Retaining	
16	7007804	1	Spring	
17	7007805	1	Pilot	
18	7007806	1	Spider	
19	7007807	1	Kit, Piston Replacement	
20	7007808	1	Plate, Connector	
21	7007809	2	Race, Thrust	
22	7007810	1	Bearing, Thrust	
23	7007811	1	O-Ring	
24	7007812	1	Assembly, Back Plate (With Bearing)	
25	7007813	6	Screw, Cap	
	2900627	1	Kit, Seal Repair	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-39. DRIVE BRAKE ASSEMBLY - AUSCO



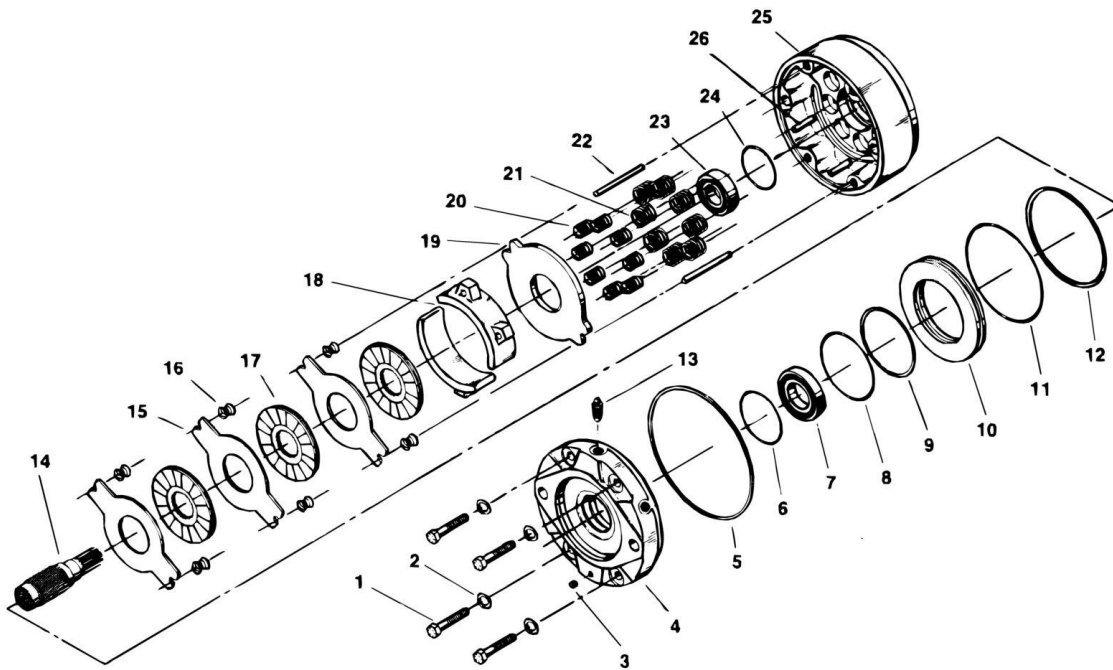
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-39. DRIVE BRAKE ASSEMBLY - AUSCO

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0920027	Ref	DRIVE BRAKE ASSEMBLY - AUSCO	
1	7000711	1	Ring, Retaining	
2	7000712	1	Ring, Retaining	
3	7000713	1	Bearing, Ball	
4	7000714	1	Housing	
5	7000759	1	O-Ring	
6	7003010	1	Retainer, Spring	
7	7000791	8	Spring, Compression	
8	7000790	8	Spring, Compression	
9	7000716	1	Shaft	
10	7000717	2	Pin, Torque	
11	7000718	1	Disc, Primary	
12	7003006	6	Spring, Compression	
13	7000732	3	Disc, Rotating	
14	7000720	3	Disc, Stationary	
15	7000721	1	Piston	
16	7000722	1	Ring, Back-Up	
17	7000723	1	O-Ring	
18	7000724	1	Ring, Back-Up	
19	7000725	1	O-Ring	
20	7000796	1	Bleeder	
21	7000727	1	Plate, Power	
22	7003007	4	Screw, Flanged	
23	7000731	2	Gasket	
23	2900131		Kit, Seal (Includes Items 1, 2, 16, 17, 18, 19 & 23)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-40. DRIVE BRAKE ASSEMBLY - MICO



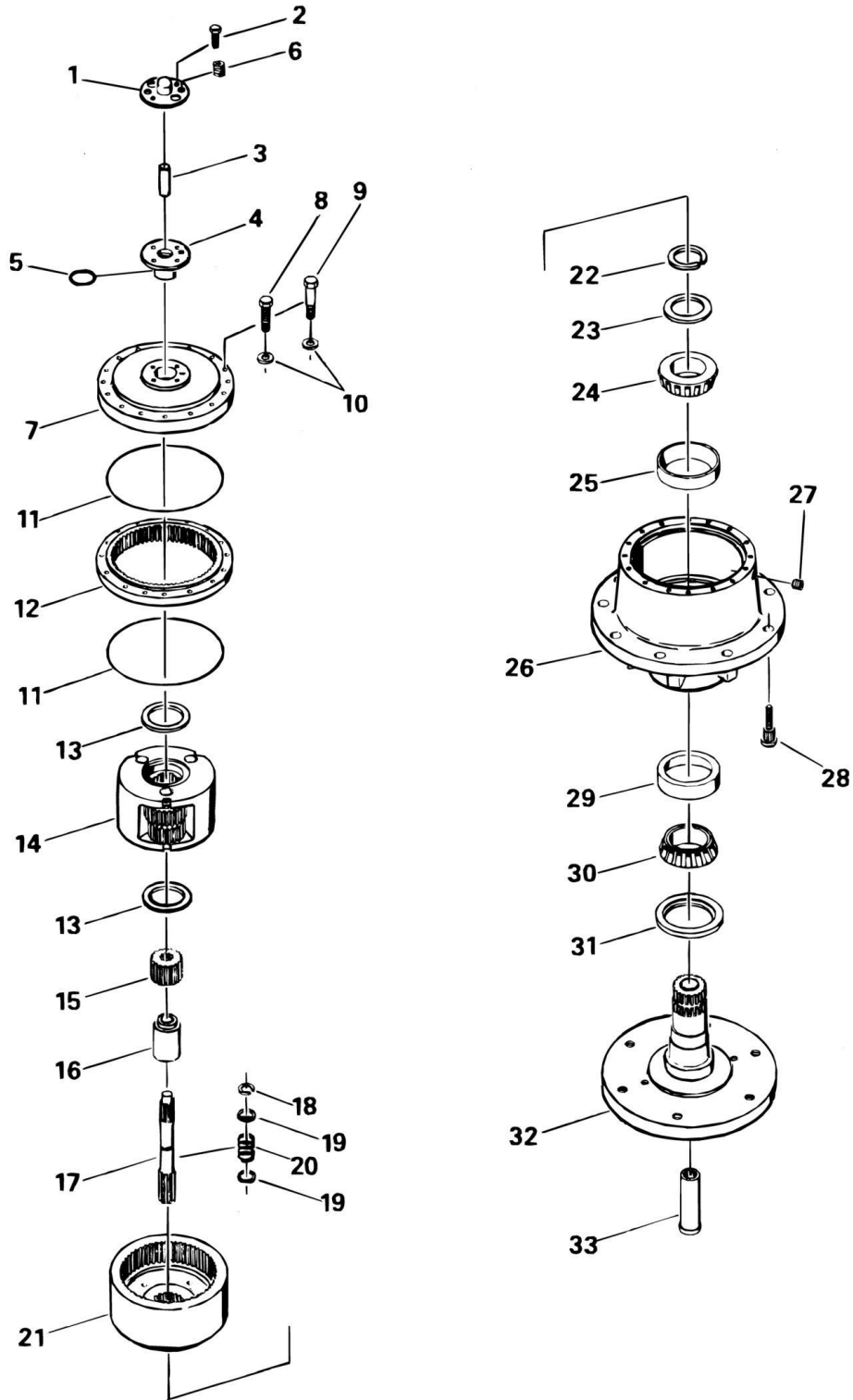
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-40. DRIVE BRAKE ASSEMBLY - MICO

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0920027	Ref	DRIVE BRAKE ASSEMBLY, MICO	
1	7007913	4	Cap, Screw	
2	7007912	4	Lockwasher	
3	7007924	1	Pipe Plug	
4	7007911	1	Cover	
5	7007910	1	Square Ring	
6	7007925	1	O-Ring	
7	7007920	1	Bearing	
8	7007918	1	O-Ring	
9	7007917	1	Back-Up Ring	
10	7007923	1	Piston	
11	7007922	1	O-Ring	
12	7007921	1	Back-Up Ring	
13	7007914	1	Bleeder Screw	
14	7007903	1	Shaft	
15	7007908	3	Disc	
16	7007916	6	Spring	
17	7007909	3	Friction Disc	
18	7007902	2	Separator	
19	7007907	1	Disc (Large Diameter)	
20	7007906	8	Spring	
21	7007905	8	Spring	
22	7007915	2	Pin, Dowel	
23	7007904	1	Bearing	
24	7007900	1	Oil Seal	
25	7007919	1	Housing	
26	7007901	4	Spirol Pin	
26	7007933	1	Mounting Gasket (Not Shown)	
	29000641	1	Kit, Seal (Includes Items 5, 6, 8, 9, 11, 12 & 24)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-41. DRIVE HUB ASSEMBLY



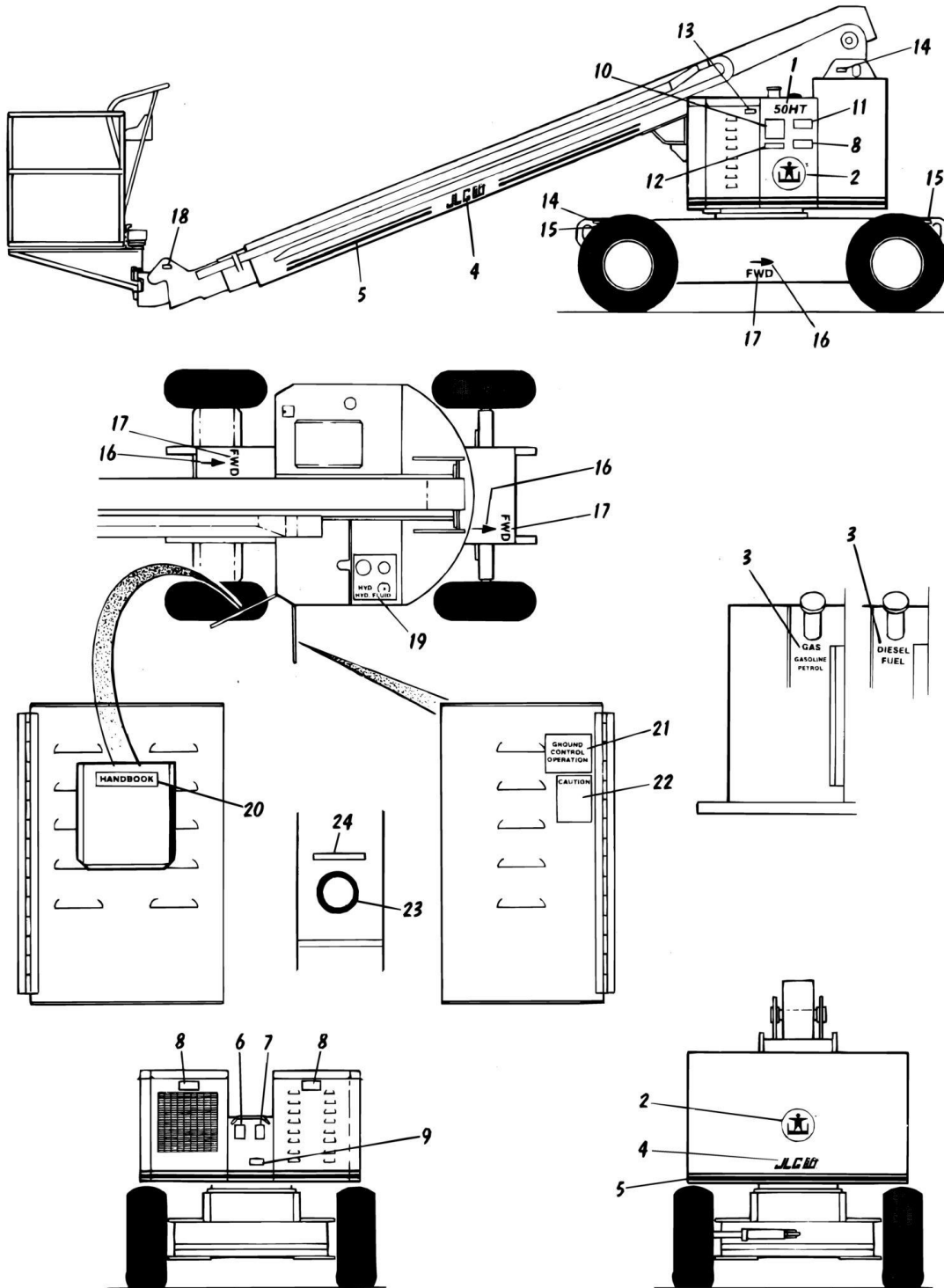
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-41. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780106	Ref	DRIVE HUB ASSEMBLY	
	7000249	1	COVER ASSEMBLY - CONSISTS OF ITEMS 1 THRU 9	
1	7000211	1	Cap Disconnect (Attaching Parts)	
2	7000220	4	Bolt, Hex Head	
3	7000212	1	Rod, Disconnect	
4	7000227	1	Cap, Cover	
5	7000215	1	O-Ring	
6	7000243	1	Plug, Pipe	
7	7000226	1	Cover (Attaching Parts)	
8	7000217	12	Bolt, Hex Head	
9	7000214	4	Bolt, Hex Head - Shoulder	
10	4751500	16	Flatwasher	
11	7000230	2	O-Ring	
12	7000208	1	Gear, Ring	
13	7000253	2	Washer, Thrust	
14	7000207	1	Planet Carrier Assembly (Not Service Breakdown Parts - Purchase Entire Assembly)	
15	7007602	1	Gear, Sun	
16	7000252	1	Spacer, Sun Gear	
	7000250	1	INPUT SHAFT ASSEMBLY	
17	7000260	1	Shaft, Input	
18	7000261	1	Ring Retaining	
19	7000263	2	Spacer	
20	7000262	1	Spring	
21	7000246	1	Gear, Stationary Internal	
	7001996	1	HUB ASSEMBLY	
22	7000229	1	Ring, Retaining	
23	7000232	1	Spacer	
24	7000257	1	Bearing, Tapered Roller	
25	7000258	1	Cup, Bearing	
26	7007601	1	Hub	
27	7000242	1	Plug, Pipe	
28	7000265	9	Stud, Wheel	
29	7001999	1	Cup, Bearing	
30	7007600	1	Bearing, Tapered Roller	
31	7001998	1	Seal	
32	7001997	1	Spindle	
33	7000206	1	Coupling, Input	
	2900034	1	Kit, Seal (Includes Items 13, 24, 25 & 33)	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-42. DECAL INSTALLATION



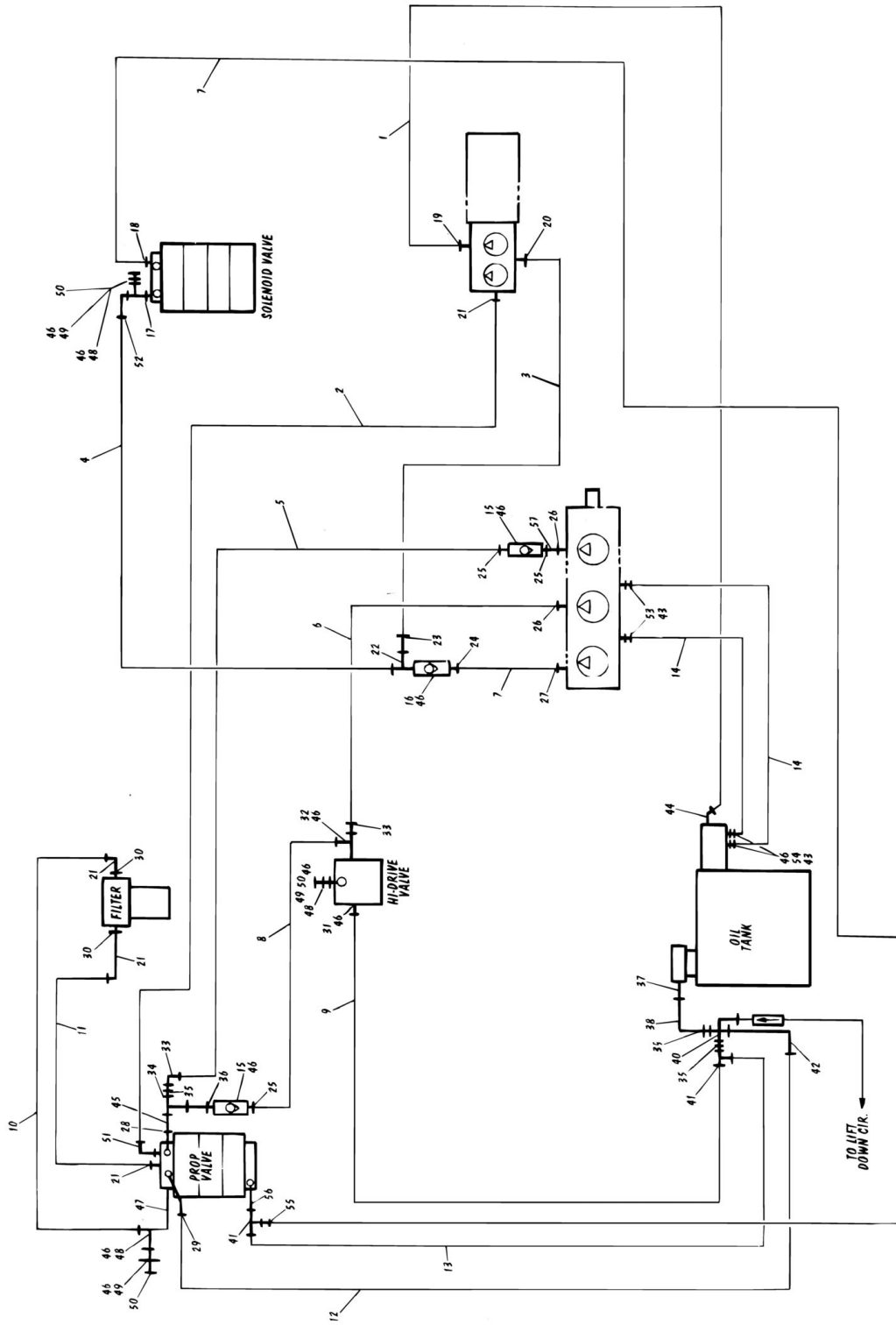
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-42. DECAL INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0237244	Ref	DECAL INSTALLATION	
1	1700702	2	Decal - 50HT	
2	1700427	3	Decal - Logo	
3	1700428	1	Decal, Diesel	
3	1700429	1	Decal, L.P. Gas (Not Shown)	
3	1700430	1	Decal, Gas	
4	1700426	3	Decal, JLG Lift	
5	1700431	28 ft	Decal, Stripe	
6	3251552	1	Nameplate, Manufacturer Serial Number	
6	3280001	4	Rivet, Pop	
7	1700584	1	Decal, Patent	
7	3280001	4	Rivet, Pop	
8	1700585	4	Decal, Crush	
9	1700593	1	Decal, Inspection	
10	3251680	1	Decal, Load - Reach Diagram	
11	1700643	1	Decal, Caution	
12	1700580	2	Decal, Electrocution	
13	1700583	1	Decal, G.L. Location	
14	1700377	4	Decal, Lift Here	
15	1700575	4	Decal, Tie Down	
16	1700568	4	Decal, Arrow	
17	1700423	4	Decal, Forward	
18	1700640	2	Decal, Crushing	
19	1700419	1	Decal, Hyd	
20	1700157	1	Decal, Manual	
21	1700582	1	Decal, G.L. Operation	
22	3251028	1	Decal, Dual Fuel Caution	
23	0961127	1	Bushing, Snap	
24	3251243	1	Nameplate, 120V	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-43. PUMP CIRCUIT



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-43. PUMP CIRCUIT

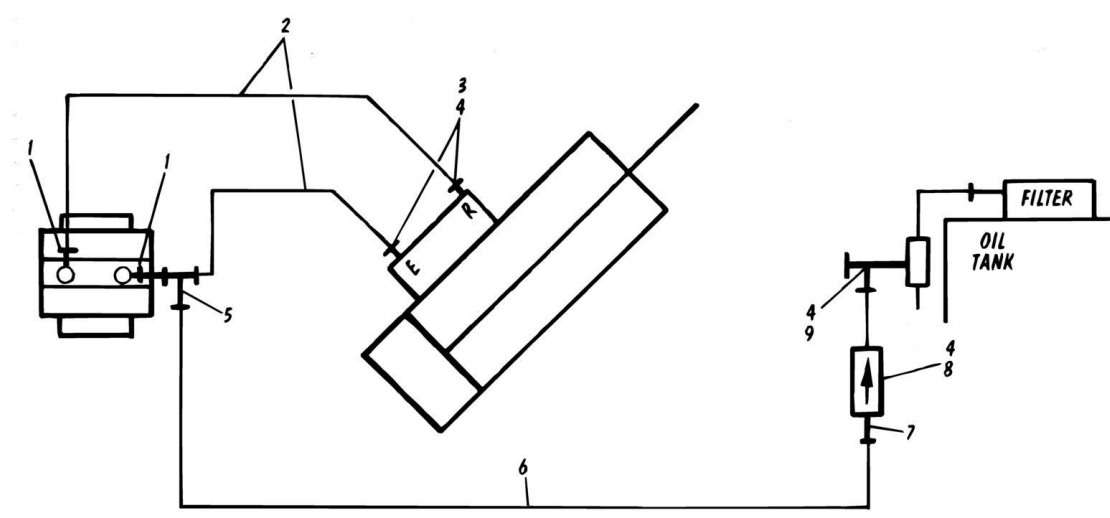
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791088	Ref	PUMP CIRCUIT	
1	2750128	1	Hose	
2	2751110	1	Hose	
3	2751010	1	Hose	
4	2750759	1	Hose	
5	2751322	1	Hose	
6	2750872	1	Hose	
7	2750968	2	Hose	
8	2751325	1	Hose	
9	2750690	1	Hose	
10	2751002	1	Hose	
11	2750919	1	Hose	
12	2750967	1	Hose	
13	2750842	1	Hose	
14	2720279	2	Hose	
15	4640033	2	Valve, Check	
16	4640009	1	Valve, Check	
17	2180491	1	Fitting, 90	
18	2220373	1	Fitting, Straight O-Ring	
19	2220117	1	Fitting, 45, O-Ring	
20	2220466	1	Fitting, 90, O-Ring	
21	2220473	4	Fitting, 90, O-Ring	
22	2220679	1	Fitting, Tee	
23	2220618	1	Fitting, Reducer	
24	2220345	1	Fitting	
25	2220347	2	Fitting	
26	2220451	2	Fitting, Straight O-Ring	
27	2220375	1	Fitting, Straight O-Ring	
28	2220646	1	Fitting, Adapter O-Ring	
29	2220377	1	Fitting, Adapter O-Ring	
30	2220221	2	Fitting, Reducer O-Ring	
31	2220356	1	Fitting, 45	
32	2220708	1	Fitting, Tee	
33	2220407	2	Fitting	
34	2220642	1	Fitting, Tee	
35	2220710	2	Fitting, Adapter	
36	2220348	1	Fitting, Pipe	
37	2220733	1	Fitting, O-Ring	
38	2220731	1	Fitting, 90	
39	2220626	1	Fitting, Reducer	
40	2180667		Fitting, Tee	
41	2220682	2	Fitting, Tee	
42	2220404	1	Fitting	
43	1320012	8	Clamp	
44	2220128	1	Fitting	
45	2751562	1	Hose	
46	0100020	AR	Loctite	
47	2180516	1	Fitting, 90, O-Ring	
48	2220261	2	Fitting, Nipple	
49	2220428	2	Fitting, Quick Connect	

SECTION 1 - ILLUSTRATED PART LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	2220429	2	Dust Cap	
51	2220628	1	Fitting, 90, O-Ring	
52	2220386	1	Fitting, 90	
53	2220763	2	Fitting, 45, O-Ring	
54	2220336	2	Nipple	
55	2220622	1	Fitting, Reducer	
56	2220498	1	Fitting, 45, O-Ring	
57	2751341	1	Hose	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-44. LIFT CIRCUIT



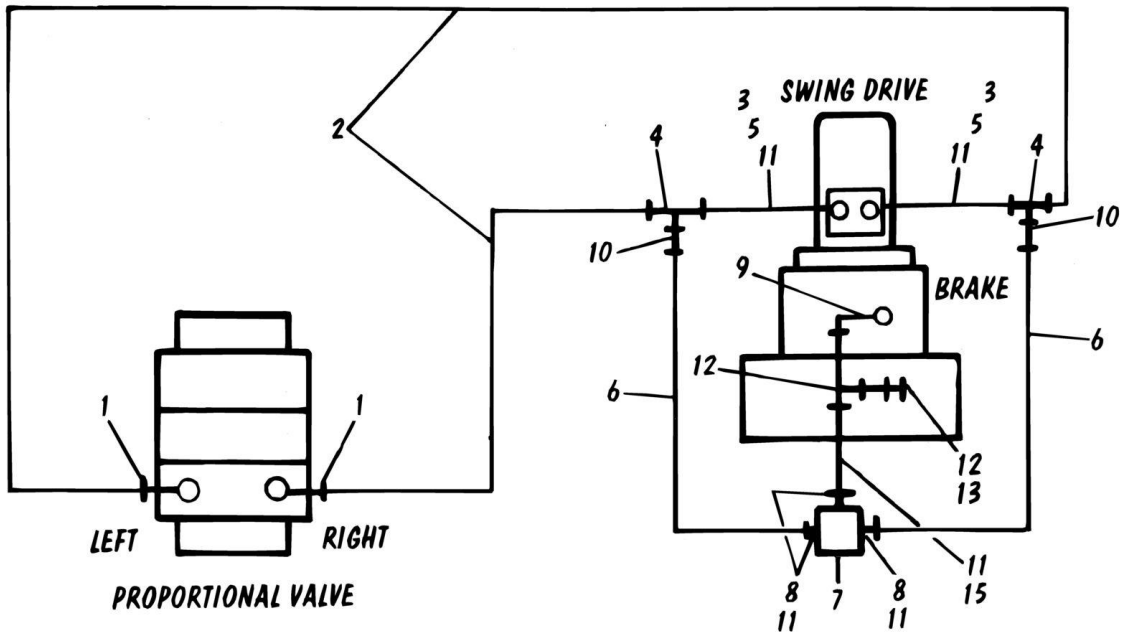
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-44. LIFT CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791086	Ref	LIFT CIRCUIT	
1	2220497	2	Fitting, O-Ring	
2	2750909	2	Hose	
3	2220773	2	Fitting	
4	0100020	AR	Loctite	
5	2220635	1	Fitting, Tee	
6	2751141	1	Hose	
7	2220607	1	Fitting	
8	4640441	1	Valve	
9	2220581	1	Fitting, Tee	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-45. SWING CIRCUIT



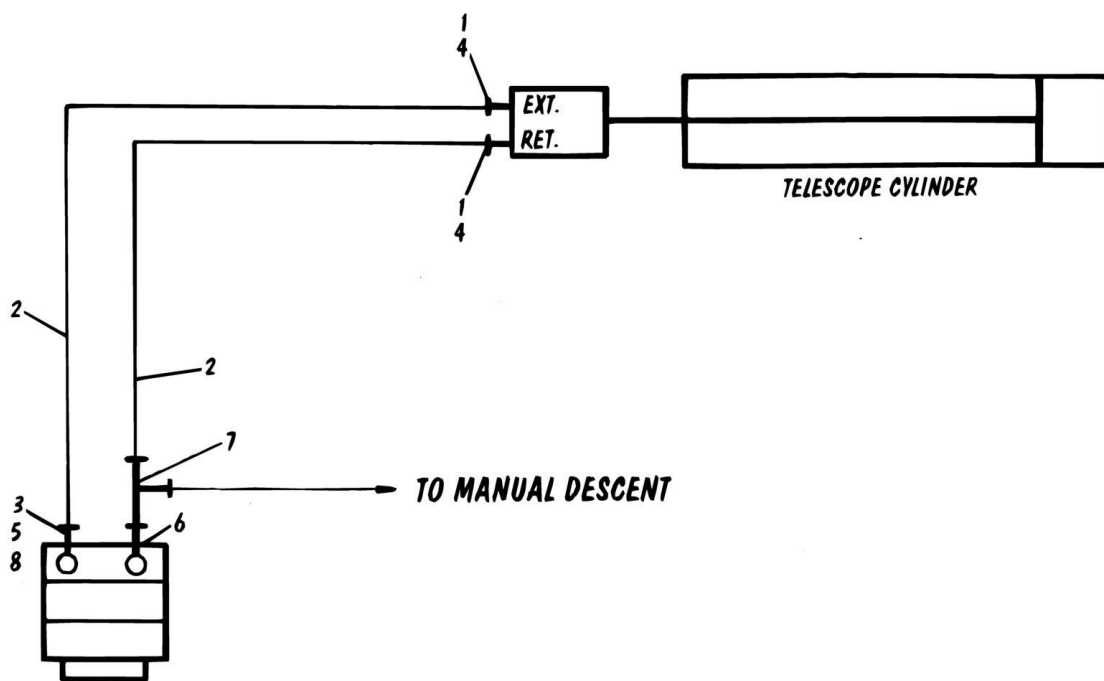
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-45. SWING CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791084	Ref	SWING CIRCUIT	
1	2220497	2	Fitting, Straight	
2	2750891	2	Hose	
3	2220757	2	Fitting	
4	2220635	2	Fitting, Tee	
5	2180083	2	Plug	
6	2750902	2	Hose	
7	4640013	1	Valve	
8	2220414	4	Fitting, Straight	
9	2220110	1	Fitting	
10	2220609	2	Fitting	
11	0100020	AR	Loctite	
12	2220752	1	Fitting, Tee	
13	2220429	1	Cover	
14	2220428	1	Coupling, Quick Disconnect	
15	2220261	1	Fitting	
16	2751412	1	Hose	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-46. TELESCOPE CIRCUIT



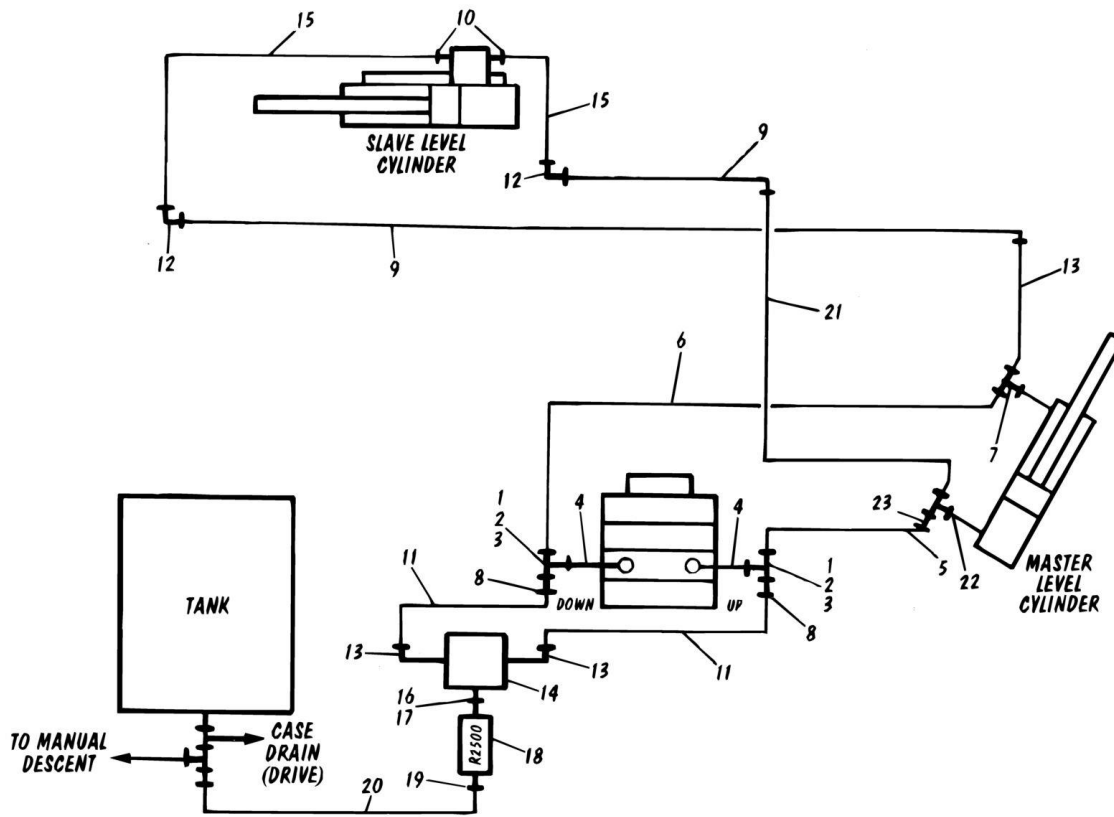
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-46. TELESCOPE CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791085	Ref	TELESCOPE CIRCUIT	
1	2220343	2	Fitting	
2	2751129	2	Hose	
3	2220479	2	Fitting, O-Ring	
4	0100020	AR	Loctite	
5	2180486	1	Fitting	
6	2220591	1	Fitting, O-Ring	
7	2220606	1	Fitting, Tee O-Ring	
8	0100011	AR	Loctite	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-47. LEVEL CIRCUIT



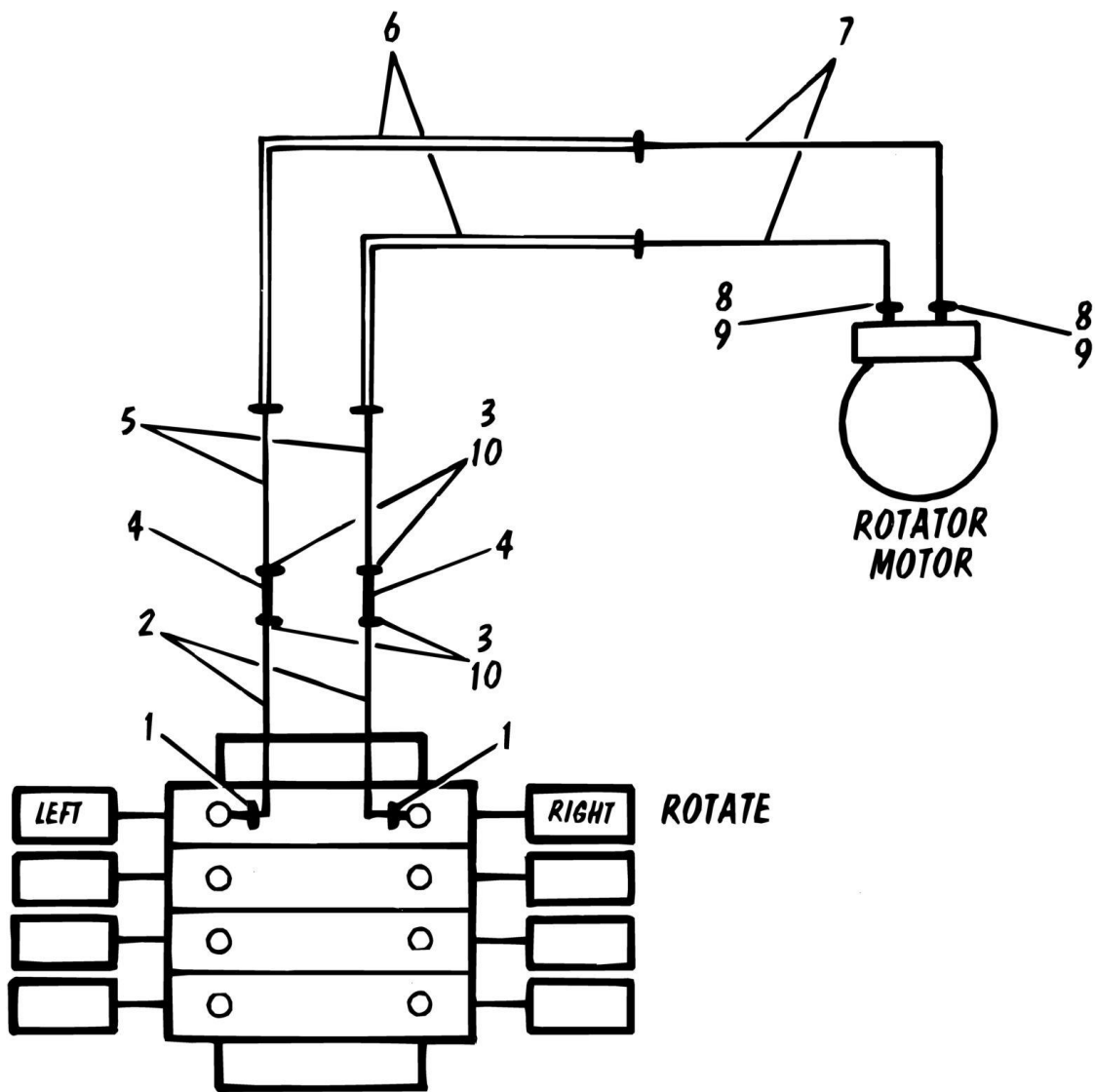
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-47. LEVEL CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791083	Ref	LEVEL CIRCUIT	
1	2180379	2	Fitting, Tee, O-Ring	
2	2180615	2	Fitting	
3	0100011	AR	Loctite	
4	2220591	2	Fitting, Reducer	
5	2751102	1	Hose	
6	2750908	1	Hose	
7	2220604	1	Fitting	
8	2220609	2	Fitting, Reducer	
9	4563311	2	Tube	
10	2220343	2	Fitting	
11	2751423	2	Hose	
12	2220619	2	Fitting, Reducer	
13	2751158	1	Hose	
14	4640013	1	Valve	
15	2751841	2	Hose	
16	2220261	1	Fitting	
17	2220322	1	Fitting	
18	4640165	1	Valve	
19	2220417	1	Fitting	
20	2751013	1	Hose	
21	2751157	1	Hose	
22	2220608	1	Fitting, Tee	
23	2220507	1	Fitting, 90	

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FIGURE 1-48. ROTATE CIRCUIT



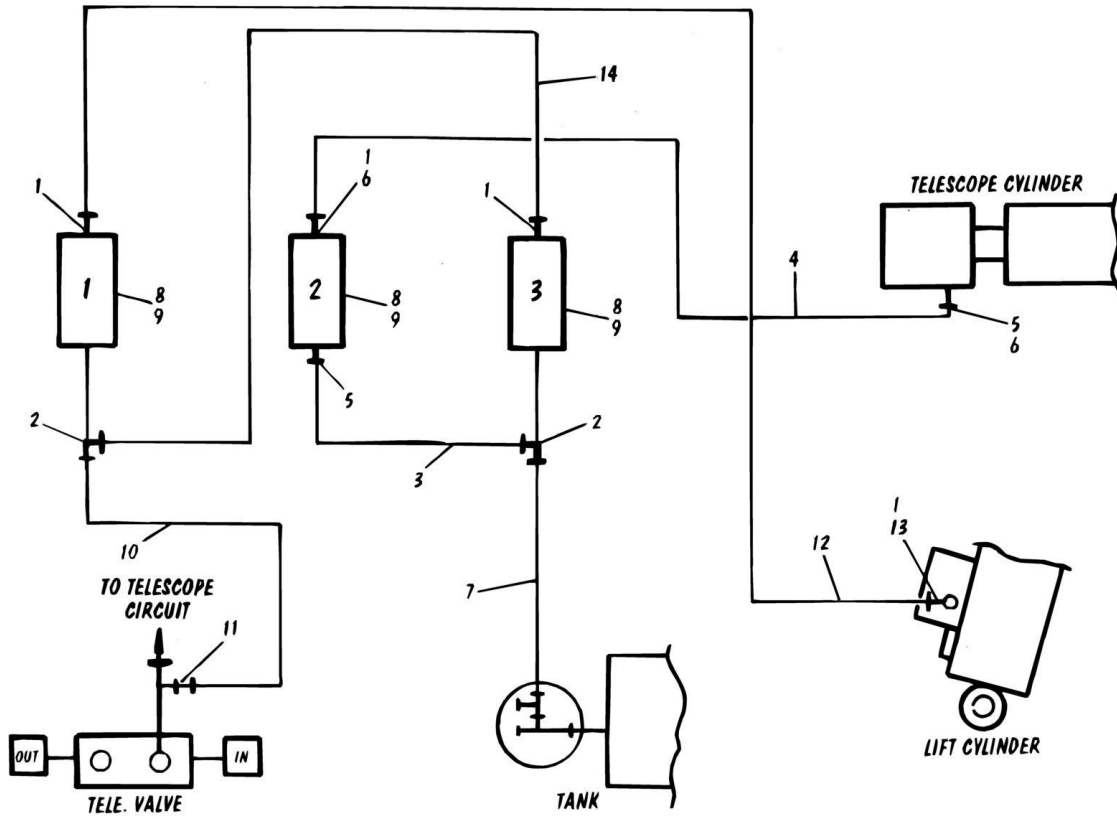
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-48. ROTATE CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791081	Ref	ROTATE CIRCUIT	
1	2220468	2	Fitting, Straight, O-Ring	
2	2751017	2	Hose	
3	2220414	4	Fitting, Straight	
4	4640383	2	Valve, Orifice	
5	2751448	2	Hose	
6	4563311	2	Tube	
7	2751889	2	Hose	
8	2220218	2	Fitting, Reducer	
9	2220472	2	Fitting, 90, O-Ring	
10	0100020	AR	Loctite	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-49. MANUAL DESCENT CIRCUIT



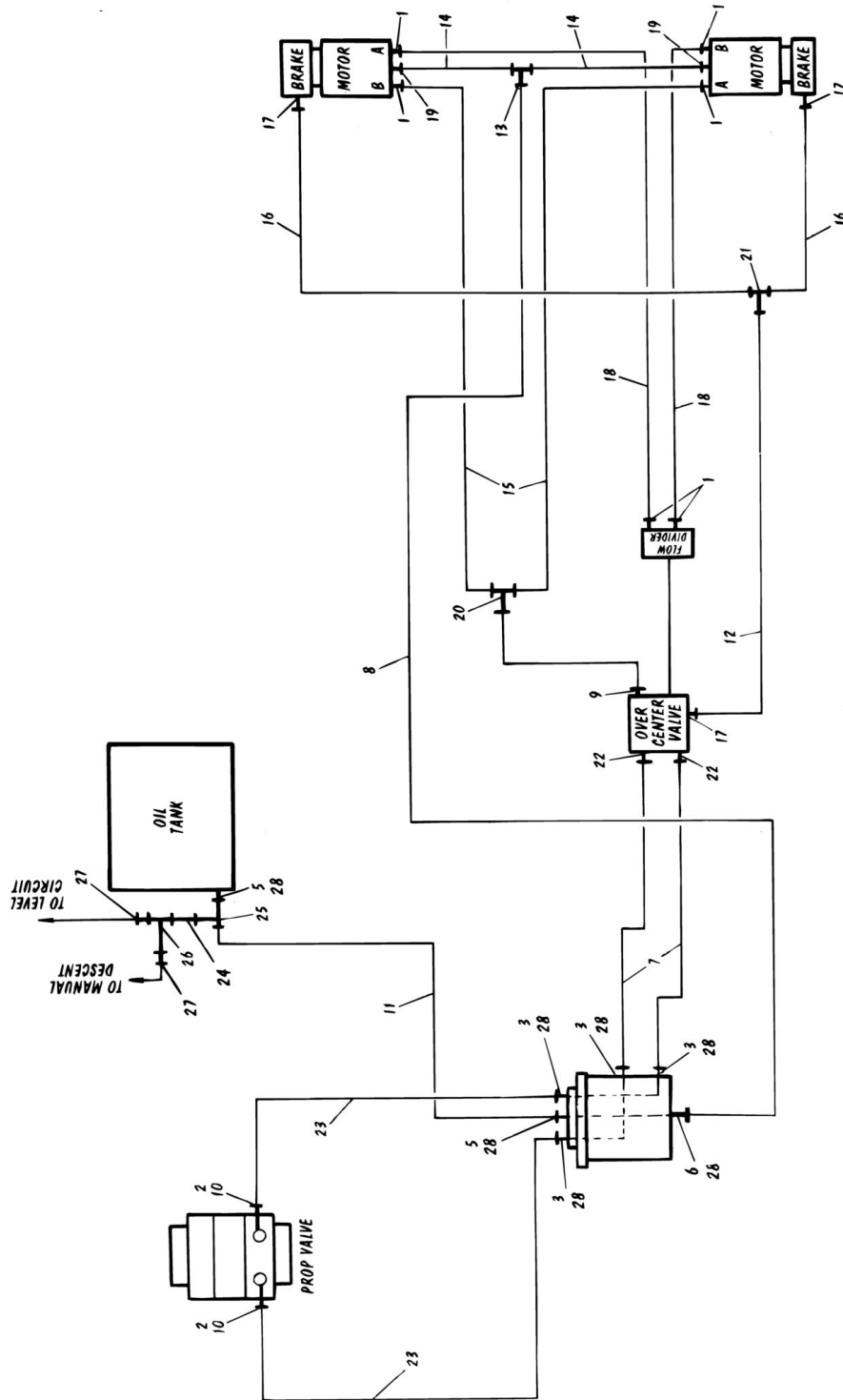
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-49. MANUAL DESCENT CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791082	Ref	MANUAL DESCENT CIRCUIT	
1	2220416	4	Fitting	
2	2220684	2	Fitting, Tee	
3	2750901	1	Hose	
4	2751432	1	Hose	
5	2220414	2	Fitting	
6	2220462	2	Fitting	
7	2750899	1	Hose	
8	4640005	3	Valve	
9	2900062	3	Kit	
10	2750900	1	Hose	
11	2220609	1	Fitting, Reducer	
12	2750896	1	Hose	
13	2180631	1	Plug	
14	2750902	1	Hose	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-50. DRIVE CIRCUIT



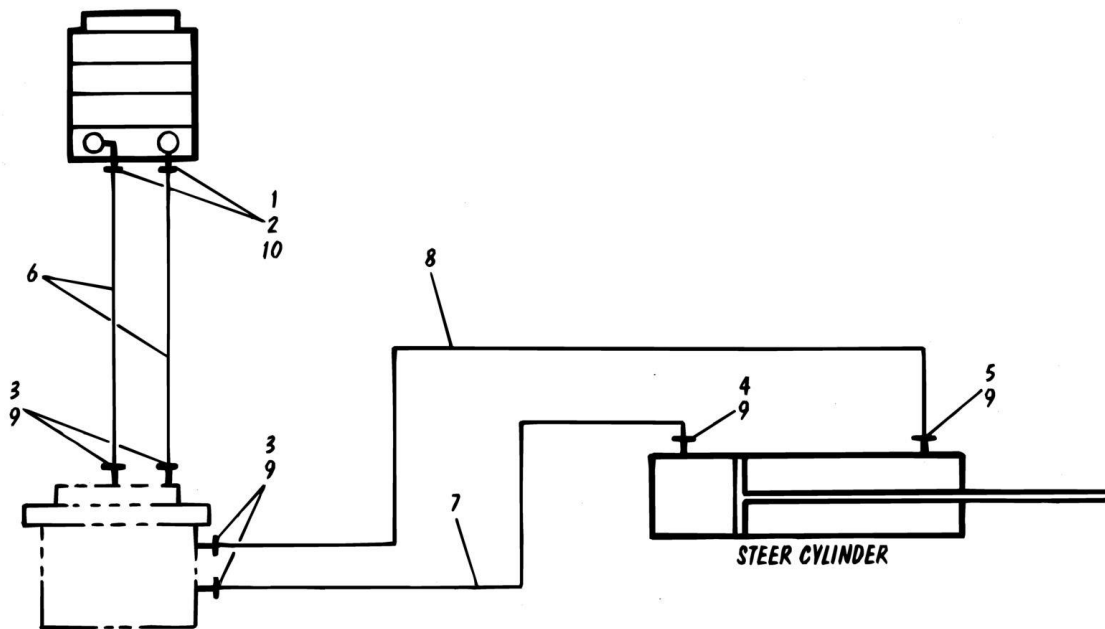
SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-50. DRIVE CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791087	Ref	DRIVE CIRCUIT	
1	2220451	6	Fitting, O-Ring	
2	2220376	2	Fitting, O-Ring	
3	2220348	4	Fitting	
4	2220399	1	Fitting	
5	2220345	2	Fitting	
6	2220772	1	Fitting	
7	2751553	2	Hose	
8	2751483	1	Hose	
9	2220465	1	Fitting, O-Ring	
10	2220404	2	Fitting	
11	2750997	1	Hose	
12	2751026	1	Hose	
13	2220362	1	Fitting, Tee	
14	2751502	2	Hose	
15	2751321	2	Hose	
16	2751409	2	Hose	
17	2220466	3	Fitting, O-Ring	
18	2751364	2	Hose	
19	2220600	2	Fitting, Straight, O-Ring	
20	2220682	1	Fitting, Tee	
21	2220504	1	Fitting, Tee	
22	2220646	2	Fitting, O-Ring	
23	2751341	2	Hose	
24	2220619	1	Fitting	
25	2220385	1	Fitting, Tee	
26	2220635	1	Fitting, Tee	
27	2220609	2	Fitting, Adapter	
28	2100020	AR	Loctite	

SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-51. STEER CIRCUIT



SECTION 1 - ILLUSTRATED PART LIST

FIGURE 1-51. STEER CIRCUIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2791080	Ref	STEER CIRCUIT	
1	2180540	2	Fitting, O-Ring	
2	2180422	2	Fitting, Orifice	
3	2220417	4	Fitting	
4	2220496	1	Fitting, 45	
5	2220416	1	Fitting, 90	
6	2750760	2	Hose	
7	2451410	1	Hose	
8	2750891	1	Hose	
9	0100020	AR	Loctite	
10	0100011	AR	Loctite	

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 2-1. MODEL 50HT LIFT ELECTRICAL PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: The following list will service each Model 50HT Lift with the most commonly used parts. For further information, contact the JLG Industries Parts Department at Area Code (717) 4855104.	
	Note	Ref	Note: The following Parts are integral of Section 2 - Illustrated Parts List.	
		Ref	ELECTRICAL	
	4360031	1	Footswitch	
	1600094	1	Controller PQ (Lift, Swing, Drive)	
	4360199	2	Switch SPST Emergency Stop, Engine Speed, Drive Speed, 2 Wheel Drive, Ignition	
	4360141	1	Guard, Switch	
	4360016	1	Switch, P-B Horn, Start	
	4360204	1	Switch, DPST-MC Auxiliary Power	
	4360202	2	Switch DPDT-MC-C.OFF Platform Rotate Steer, Telescope, Platform Level, Lift, Swing	
	4360209	1	Circuit Breaker	
	3740016	1	Relay, Ground Controls	
	4360186	1	Circuit Breaker (Ground Controls)	
	4360212	1	Circuit Breaker (Ground Controls)	
	4360069	1	Circuit Breaker (Ground Controls)	
	4360003	1	Switch, Master	
	4360073	1	Switch, Select	
	3740059	1	Relay, Start	
	3740002	1	Relay, Auxiliary Power	
	3740030	1	Relay, Adlo	
	7000417	1	Coil, 12 VDC	
	1420003	1	Coil, 7.5 VDC	
	4360057	1	Switch, Limit	

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 2-2. MODEL 50HT LIFT HYDRAULIC PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: The following list will service each Model 50HT Lift with the most commonly used parts. For further information, contact the JLG Industries Parts Department at Area Code (717) 4855104.	
	Note	Ref	Note: The following Parts are integral of Section 2 - Illustrated Parts List.	
		Ref	HYDRAULIC	
	2900347	1	Seal Kit, Telescope Cylinder	
	2900352	1	Seal Kit, Slave Cylinder	
	2900375	1	Seal Kit, Lift Cylinder	
	2900352	1	Seal Kit, Master Cylinder	
	4640005	1	Valve, Needle Manual Descent	
	2120107	6	Element, Hydraulic Tank Filter	
	1340021	1	Breather, Hydraulic Tank	
	2900120	1	Seal Kit, Main Pump	
	2120079	1	Element, Hydraulic Filter	
	2900596	1	Seal Kit, Steering Valve	
	7004831	1	Seal Kit, Servo	
	7004832	1	Seal Kit, Proportional Working Section	
	7004833	1	Seal Kit, Proportional Inlet/Outlet	
	2900477	1	Seal Kit, Swing Drive Motor	
	2900131	1	Seal Kit, Swing Drive Brake Ausco	
	2900642	1	Seal Kit, Swing Drive Brake Mico	
	2900034	1	Seal Kit, Swing Drive Hub	
	2900364	1	Seal Kit, Steer Cylinder	
	2900627	1	Seal Kit, Drive Motor	
	2900131	1	Seal Kit, Drive Brake Ausco	
	2900641	1	Seal Kit, Drive Brake Mico	
	2900034	1	Seal Kit, Drive Hub	

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 2-3. MODEL 50HT LIFT MISCELLANEOUS PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: The following list will service each Model 50HT Lift with the most commonly used parts. For further information, contact the JLG Industries Parts Department at Area Code (717) 4855104.	
	Note	Ref	Note: The following Parts are integral of Section 2 - Illustrated Parts List.	
		Ref	MISCELLANEOUS	
	3420643	1	Pin, Boom Pivot	
	0440084	2	Bearing, Boom Pivot	
	4842383	1	Pin, Lift Cylinder Upper	
	4842384	1	Pin, Lift Cylinder Lower	
	1180159	1	Carrier, Power Track	
	0440173	2	Bearing, Telescope Cylinder Sheave	
	0440082	1	Bearing, Sheave	
	1260190	2	Chain, Retract	
	1260191	2	Chain, Extend	
	3340515	2	Pad, Wear	
	3340404	6	Pad, Wear	
	3340263	2	Pad, Wear	
	3340481	1	Pad, Wear	
	3340517	2	Pad, Wear	
	3340450	6	Pad, Wear	
	3340520	2	Pad, Wear	
	3340453	2	Pad, Wear	
	2560040	1	Knob PQ Controller Swing	
	2560038	1	Knob PQ Controller Lift	
	2560041	1	Knob PQ Controller Drive	
	1060168	1	Cable, Capacity Indicator	
	7004214	6	Element, Air Cleaner	
	0440019	2	Cone, Bearing, Wheel	
	0440018	2	Cup, Bearing, Wheel	

SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

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SECTION 2 - RECOMMENDED SERVICE PARTS STOCK

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