FIGURE 1-1. FRAME AND STEERING INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRAME WELDMENT OPTIONS:**	
	2360402	1	Frame Weldment Model 40ic	
	2360403	1	Frame Weldment Model 45ic	
	0256855	Ref	**STEERING AND SPINDLES INSTALLATION**	–/3
1	2780201	2	Hub Assembly (See Items 101-107 for Breakdown)	
2	4130319	2	Spindle Weldment (See Items 201-202 for Breakdown)	
3	3421988	2	Kingpin	
4	3450810	2	Pin, Cotter 1/4in x 2 1/3in	
5	3313003	2	Nut, Slotted 1 1/4 -7NC	
6	0440162	2	Washer, Thrust	
7	0642016	2	Bolt 5/8in-11NC x 2in	
8	3312005	2	Locknut 5/8in-11NC	
9	3841146	2	End, Rod	
10	3322002	2	Nut, Jam 5/8in-18NF	
11	1683698	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown) (Was P/N 1683487) **(Prior to SN 37950)**	
12	3340644	1	Pad, Wear	
13	3020022	AR	Grease	
14	4070809	AR	Shim	
15	4712400	2	Flatwasher 7/8in	
16	3450506	2	Pin, Cotter	
17	3780182	4	O-Ring	
18	0641510	1	Bolt 5/16in-18NC x 1 1/4in	
19	4751500	1	Flatwasher 5/16in	
20	3311505	1	Locknut 5/16in-18NC	
21	0630016	12	Bolt, Wheel 1/2in-20NF x 1in	
22	4060808	2 ft/.61m	Trim	
23	1120457	2	Cap, Dust	
	2780201	Ref	**HUB ASSEMBLY**	D
101	Kit	2	Cup, Bearing - Inner (1 Per Hub)	
102	Kit	2	Cone, Bearing - Inner (1 Per Hub)	
103	Kit	2	Cup, Bearing - Outer (1 Per Hub)	
104	Kit	2	Cone, Bearing - Outer (1 Per Hub)	
105	Kit	2	Seal (1 Per Hub)	
	2900842	2	Bearing Kit (Includes Item 101-105)	
		Ref	**SPINDLE ASSEMBLY**	
201	0961621	4	Bushing (2 Per Spindle)	
202	3322403	2	Nut, Slotted 7/8in-14NF (1 Per Spindle)	
	0253613	Ref	**AXLE INSTALLATION**	D
301	4844324	1	Axle Weldment (Includes Item 301A)	
301A	0961621	2	Bushing	
302	0940048	2	Bumper	
303	4070832	AR	Shim 1/2in-13mm	
304	4070833	AR	Shim 1/16in-1.6mm	
305	0641814	4	Bolt 1/2in-13NC x 1 3/4in	
306	3311805	4	Locknut 1/2in-13NC	
307	0641608	1	Bolt 3/8in-16NC x 1in	
308	3841143	1	Pin, Keeper	
309	3422170	1	Pin, Axle	
310	4740247	2	Washer, Thrust	

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FIGURE 1-3. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780219	1	**DRIVE HUB ASSEMBLY**	
1	7010486	1	Spindle	
2	Kit	1	Seal, Lip	
3	7000255	1	Cup, Bearing (Outer)	
4	7000256	1	Cone, Bearing (Outer)	
5	7000257	1	Cup, Bearing (Inner)	
6	7000258	1	Cone, Bearing (Inner)	
7	7000259	1	Housing	
8	7000232	1	Washer, Thrust	
9	Kit	1	Ring, Retaining	
10	7000242	2	Plug, Pipe - 1/4in NPTF	
11	7000241	9	Stud, Wheel 1/2in-20NF	
12	7001952	1	Plug, Pipe 3/4in NPTF	
13	7000246	1	Gear, Internal	
		Ref	Carrier Assembly	
14	7001931	1	Carrier	
15	7001985	6	Washer, Tanged Thrust	
16	7010408	96	Bearing, Needle	
17	7000263	3	Spacer, Thrust	
18	7001911	3	Shaft, Planet	
19	7007643	3	Gear, Cluster	
20	7010474	3	Rollpin	
21	7000203	1	Gear, Ring	
22	Kit	2	O-Ring	
23	7000209	1	Cover, Input	
24	7017001	1	Gear, Sun	
26	7007642	1	Washer, Thrust	
27	Kit	2	Washer, Thrust	
28	7000217	8	Bolt, Hex	
29	7000214	4	Bolt, Shoulder	
30	7000242	1	Plug, Pipe 1/4in NPTF	
	2900661	1	Seal Kit (Includes Items 2, 9, 22 & 27)	

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FIGURE 7-2. ELECTRICAL DIAGRAM - STANDARD (SHEET 1 OF 4)

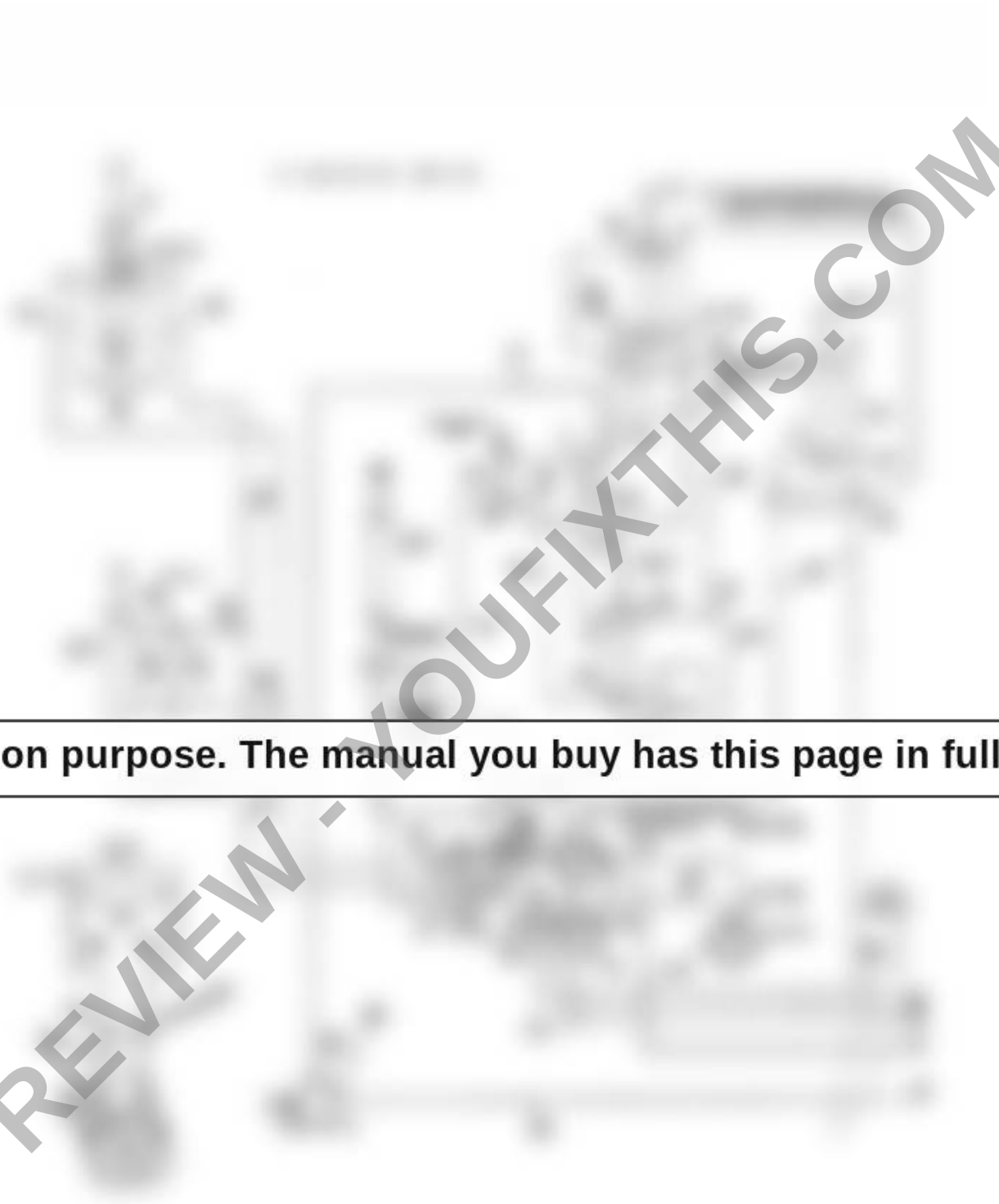


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FIGURE 6-1. HYDRAULIC DIAGRAM



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SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. MODELS 40IC/45IC LIFTS STANDARD PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: The following lists will service fleets of machines (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.**	
		Ref	**STANDARD PARTS**	
	3740067	1	Relay, Continuous Duty, (for fleets of 1 to 10)	
	3740067	1	Relay, Continuous Duty, (for fleets of 10 to 20)	
	3740067	1	Relay, Continuous Duty, (for fleets of 20 of more)	
	7012944	1	Coil - 4640969 Valve, (for fleets of 1 to 10)	
	7012944	1	Coil - 4640969 Valve, (for fleets of 10 to 20)	
	7012944	1	Coil - 4640969 Valve, (for fleets of 20 of more)	
	7012772	1	Coil - 4640969 Valve, (for fleets of 1 to 10)	
	7012772	1	Coil - 4640969 Valve, (for fleets of 10 to 20)	
	7012772	1	Coil - 4640969 Valve, (for fleets of 20 of more)	
	7015004	12	Element, Air Filter, (for fleets of 1 to 10)	
	7015004	12	Element, Air Filter, (for fleets of 10 to 20)	
	7015004	12	Element, Air Filter, (for fleets of 20 of more)	
	7014803	1	Breather/Filler Assembly, (for fleets of 1 to 10)	
	7014803	2	Breather/Filler Assembly, (for fleets of 10 to 20)	
	7014803	3	Breather/Filler Assembly, (for fleets of 20 of more)	
	2120158	4	Element, Hydraulic Filter, (for fleets of 1 to 10)	
	2120158	8	Element, Hydraulic Filter, (for fleets of 10 to 20)	
	2120158	12	Element, Hydraulic Filter, (for fleets of 20 of more)	
	3990001	2	Diode - 3.5 Amp, (for fleets of 1 to 10)	
	3990001	2	Diode - 3.5 Amp, (for fleets of 10 to 20)	
	3990001	2	Diode - 3.5 Amp, (for fleets of 20 of more)	
	7017403	1	Coil, (for fleets of 1 to 10)	
	7017403	1	Coil, (for fleets of 10 to 20)	
	7017403	1	Coil, (for fleets of 20 of more)	
	7012944	1	Coil, (for fleets of 1 to 10)	
	7012944	1	Coil, (for fleets of 10 to 20)	
	7012944	1	Coil, (for fleets of 20 of more)	
	7012943	1	Coil, (for fleets of 1 to 10)	
	7012943	1	Coil, (for fleets of 10 to 20)	
	7012943	1	Coil, (for fleets of 20 of more)	
	4360314	1	Switch, Toggle, (for fleets of 1 to 10)	
	4360314	1	Switch, Toggle, (for fleets of 10 to 20)	
	4360314	1	Switch, Toggle, (for fleets of 20 of more)	
	4360289	1	Switch, Emergency Stop, (for fleets of 1 to 10)	
	4360289	1	Switch, Emergency Stop, (for fleets of 10 to 20)	
	4360289	1	Switch, Emergency Stop, (for fleets of 20 of more)	
	4360319	1	Switch, Key, (for fleets of 1 to 10)	
	4360319	1	Switch, Key, (for fleets of 10 to 20)	
	4360319	1	Switch, Key, (for fleets of 20 of more)	
	7012560	1	Key, Replacement, (for fleets of 1 to 10)	
	7012560	1	Key, Replacement, (for fleets of 10 to 20)	
	7012560	1	Key, Replacement, (for fleets of 20 of more)	

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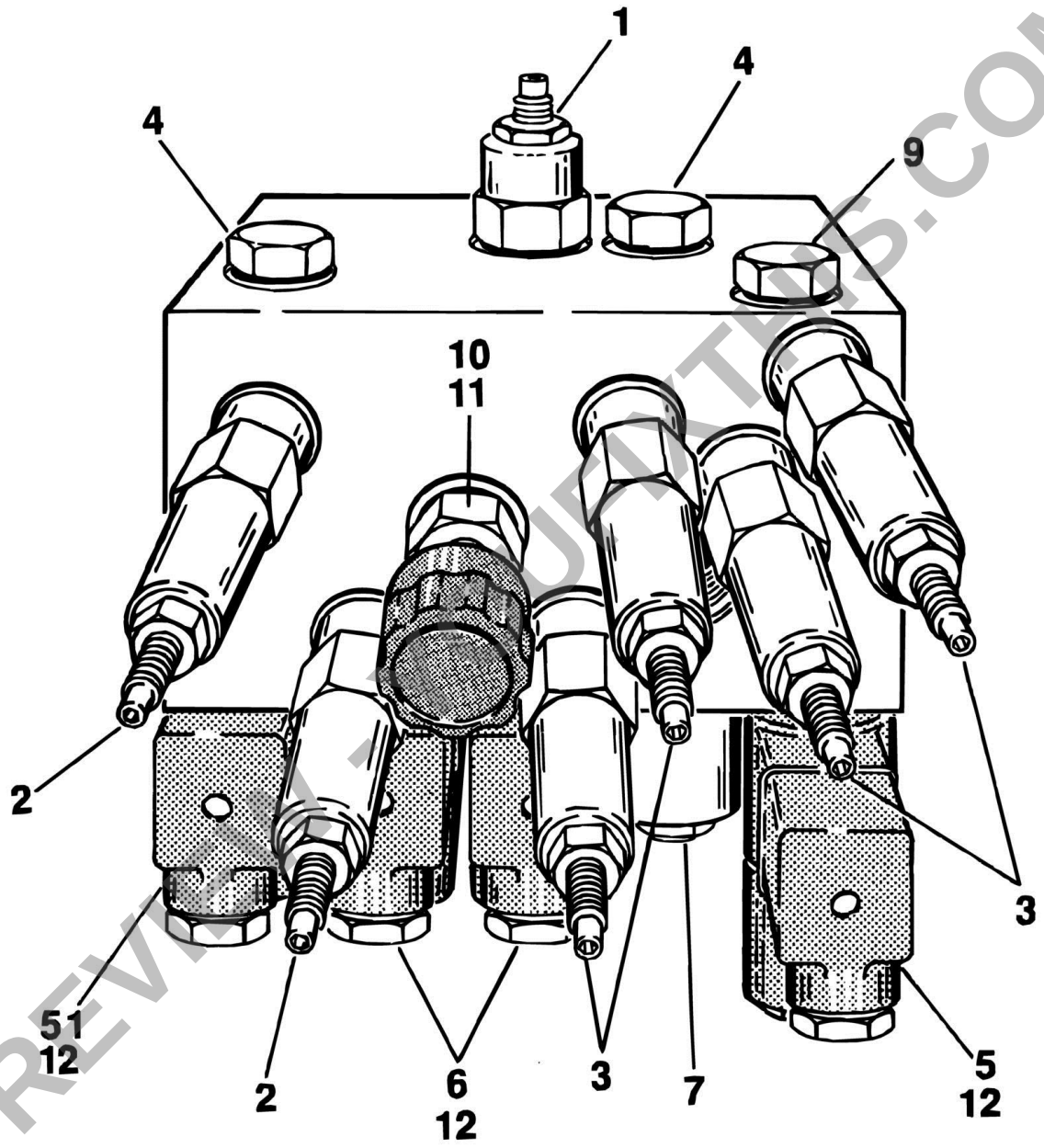
FIGURE 1-8. VANGUARD GAS ENGINE INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255999	Ref	**ENGINE ASSEMBLY AND INSTALLATION**	12-N
1	4845223	1	Tray, Engine	
2	4845238	2	Arm, Swing-Out	
3	3422426	4	Pin	
4	2000140	1	Engine - Vanguard DM700G	
5	3600256	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
6	3600199	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
7	3539459	1	Plate, Mounting (Rear Right Side)	
8	3539460	1	Plate, Mounting (Rear Left Side)	
9	3539461	1	Plate, Mounting (Front)	
10	3200381	3	Mount, Motor	
11	1340057	1	Air Cleaner Assembly	
11A	7015004	1	Element, Filter	
11B	7015005	1	Cover Assembly	
11C	7015006	1	Valve, Vacuator	
11D	7015007	2	Latch	
12	0340045	1	Band, Mounting	
13	3539484	1	Plate, Mounting (Air Cleaner)	
14	0641509	4	Bolt 5/16in-18NC x 1 1/8in	
15	3311405	10	Locknut 1/4in-20NC	
16	3620035	1	Radiator	
16	7016606	1	Cap, Radiator	
16	7019618	1	Draincock	
17	2060027	1	Fan, Electric Cooling	
17	7016617	1	Control, Thermostatic	
18	1320026	1	Clamp, Exhaust	
19	4845391	1	Pipe, Exhaust (Use 4567108 and #109 as Replacement) **(Prior to SN 33269)**	
19	4567108	1	Pipe, Exhaust **(SN 33269 to Present)**	
20	3841143	4	Pin, Keeper	
21	2540031	2	Grommet	
22	0641406	6	Bolt 1/4in-20NC x 3/4in	
23	3311505	12	Locknut 5/16in-18NC	
24	0641608	6	Bolt 3/8in-16NC x 1in	
25	3311605	6	Locknut 3/8in-16NC	
26	0641820	3	Bolt 1/2in-13NC x 2 1/2in	
27	3311805	3	Locknut 1/2in-18NC	
28	0701014	2	Bolt, Metric M10-1.5 x 30mm	
29	2910000	1	Actuator Assembly (Was p/n 0060037) (See ELECTRICAL SECTION for Breakdown)	
30	3841315	1	Rod, Throttle	
31	3220109	1	Muffler	
32	0080223	1	Elbow, Air Intake	
33	4740274	3	Washer, Snubbing	
34	4751600	6	Flatwasher 3/8in	
35	0760812	15	Bolt, Metric 8mm x 25mm	
36	4751500	33	Flatwasher 5/16in	
37	0100011	AR	Loctite #242 (Not Shown)	

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FIGURE 2-2. CONTROL VALVE ASSEMBLY



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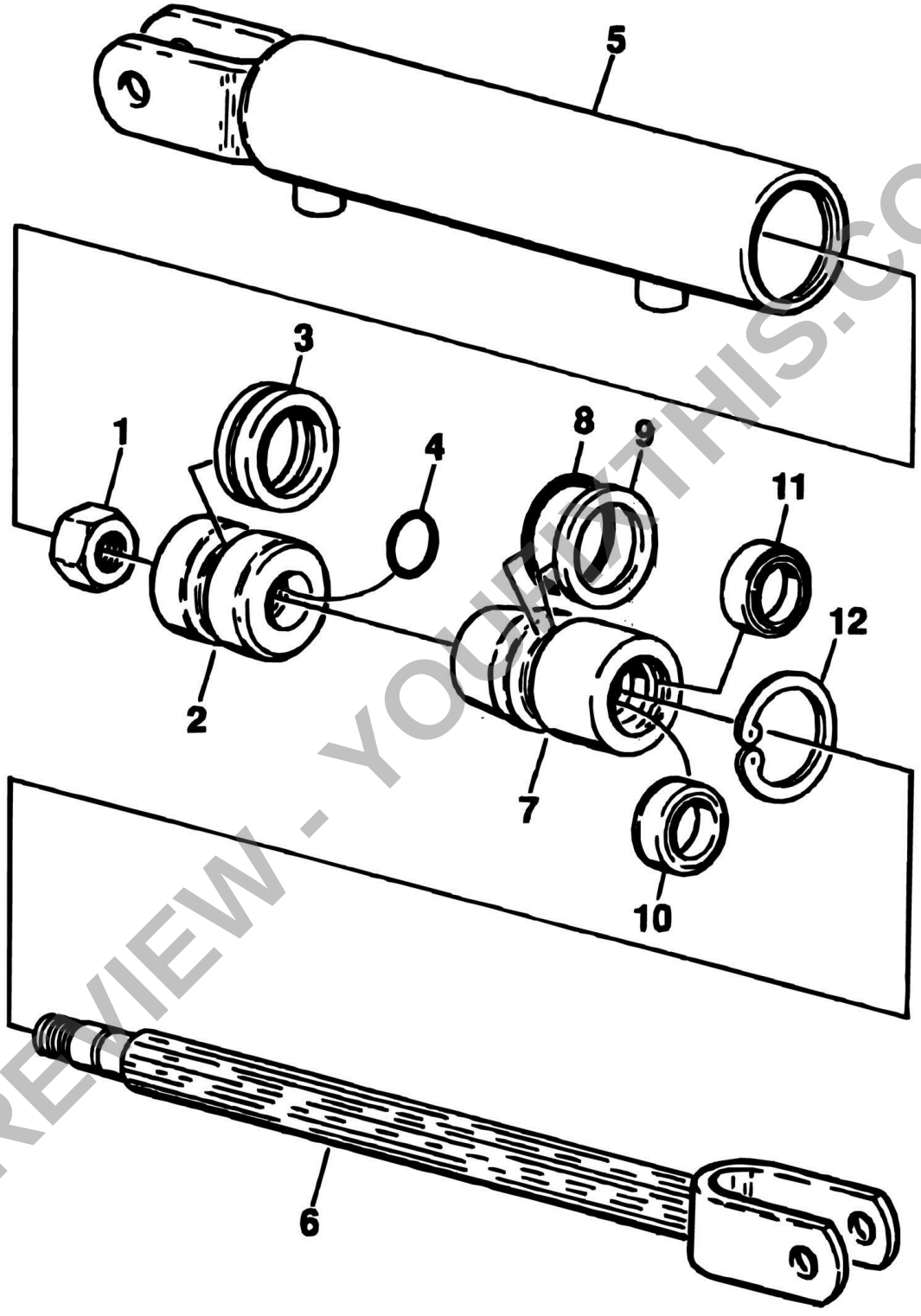
FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255995	Ref	**ROTATOR AND SUPPORT INSTALLATION**	C
1	4844465	1	Support Weldment	
1A	0961608	2	Bushing, Bronze (Platform Pivot)	
1B	0961749	2	Bushing, Bronze (Rotator Cylinder Pivot)	
1C	1320050	2	Clamp, Hose	
2	4844466	1	Pivot Weldment	
2A	0961749	2	Bushing, Bronze (Rotator Cylinder Pivot)	
3	1683285	1	Slave Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
4	1682930	1	Rotator Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
5	3600253	1	Rotator Pump, Motor and Tank Assembly (See ROTATOR MOTOR/PUMP/TANK ASSEMBLY for Breakdown)	
6	3422176	1	Pin, Pivot	
7	3422180	1	Pin, Pivot	
8	3422181	1	Pin, Pivot	
9	3422191	1	Pin, Pivot	
10	3841143	3	Pin, Keeper	
11	3841203	1	Pin, Keeper	
12	4740007	1	Washer, Thrust	
13	0641607	8	Bolt 3/8in-16NC x 7/8in	
14	0641608	1	Bolt 3/8in-16NC x 1in	
15	0641810	1	Bolt 1/2in-13NC x 1 1/4in	
16	0641605	2	Bolt 3/8in-16NC x 5/8in	
19	4751600	9	Flatwasher 3/8in	
20	4751800	2	Flatwasher 1/2in	
21	3311605	9	Locknut 3/8in-16NC	
22	3430816	2	Pin, Clevis 1/2in x 2in	
23	3450405	2	Pin, Cotter	
24	3780181	6	O-Ring	
25	3780184	2	O-Ring	
26	0460106	1	Bellows	
27	1320017	1	Clamp, Hose	
28	1320031	1	Clamp, Hose	
29	1670690	1	Cover, Motor	
30	3941405	4	Screw, Self-Tapping 1/4in x 5/8in	
31	4751400	4	Flatwasher 1/4in	
32	4761400	4	Lockwasher 1/4in	
33	4060855	1	Shield	
34	0641505	1	Bolt 5/16in-18NC x 5/8in	
35	0641516	2	Bolt 5/16in-18NC x 2in	
36	4751500	6	Flatwasher 5/16in	
37	3311505	3	Locknut 5/16in-18NC	
38	0100011	AR	Loctite #242 (Not Shown)	
39	1320159	1	Clamp, Hose	
40	0641610	1	Bolt 3/8in-16NC x 1 1/4in	
101		Ref	**PLATFORM WELDMENT OPTIONS:**	
		Ref	**Note: Replacement decals must be ordered separately - See DECALS SECTION.**	
101	3510505	1	Platform - 26in x 48in **(Prior to SN 33712)**	-

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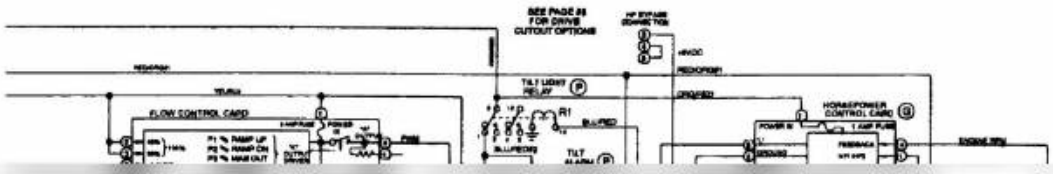
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FIGURE 5-5. PLATFORM ROTATOR CYLINDER ASSEMBLY



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