



Illustrated Parts Manual

**Models
CM25RT
CM33RT
CM40RT**

3120813

November 15, 1991



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SECTION 1 — RECOMMENDED SERVICE PARTS STOCK

EURO SPEC MODELS CM25/33/40RT

The following list will service each Euro Spec Model CM25RT, CM33RT or CM40RT Sizzors Lifts with the Current commonly used parts. For further information, contact the JLG Industries Parts Department at Area Code 717-485-5161.

Note: The following Parts are integral of Section 2 — Illustrated Parts List.

DESCRIPTION	JLG PART NO.	QTY
STANDARD PARTS		
Bushing, Super Oilite (Figure 2-1, 2-5 and 2-7)	0961409	72
Pad Sliding (Figure 2-1, 2-2)	3340579	4
Bushing, Bronze (Lift Cylinder Barrel) (Figure 2-3)	0961379	2
Bushing, Bronze (Lift Cylinder Rod) (Figure 2-3)	0961380	2
Controller, Drive (Figure 2-10)	1600115	1
Switch, Toggle - SPST (2WD/4WD Select, Pump Volume, Drive Speed, 4360199 Engine Speed, Ignition/Emergency Stop) (Figures 2-10 and 2-11)	3	
Switch, Push Button - SPST/MC (Start and Horn) (Figures 2-10 and 2-11)	4360274	1
Lamp, Indicator (Engine Distress and Tilt) (Figure 2-10)	2920026	1
Switch, Toggle - DPDT/MC/C.O. (Lift) (Figure 2-10)	4360260	1
Relay (Figure 2-10, 2-11, 2-24 and 2-64)	3740049	17
Switch, Push-Pull (Emergency Stop) (Figure 2-10)	4360289	1
Alarm, Sonalert (Figure 2-10)	0140019	1
Switch, Key (Select) (Figure 2-11)	4360284	1
Switch, Block (Figure 2-11)	4360267	1
Switch, Block (Figure 2-11)	4360281	2
Switch, Toggle - SPDT/MC/C.O. (Lift) (Figure 2-11)	4360198	1
Breaker, Circuit - 15 Amp (Figure 2-11 and 2-64)	4360232	2
Cable, Manual Descent/Emergency Lowering (Figure 2-12)	1060377	1
Element, Hydraulic Filter (Figure 2-13)	2120110	4
Cartridge - 4640533 Valve (Figure 2-13)	7010529	1
Cartridge - 4640529 Valve (Figure 2-13)	7004292	1
Cartridge - 4640632 Valve (Figure 2-13)	4640523	1
Switch, Tilt Indicator (Figure 2-13 and 2-64)	4360280	1
Seal Kit - 4640597 Valve Working Section (Figure 2-13)	7000414	2
Seal Kit - 4640597 Valve Inlet Section (Figure 2-13)	7000413	1
Cartridge - 4640597 Valve Inlet Relief (Figure 2-13)	7000447	1
Coil - 4640597 and 4640399 Valve (Figure 2-13)	7000418	4
Cartridge - 4640598 Valve (Pressure Sensing) (Figure 2-16)	7010511	1
Cartridge - 4640598 Valve (Relief) (Figure 2-16)	7010512	1
Cartridge - 4640598 Valve (Modulating Orifice) (Figure 2-16)	7010513	1
Cartridge - 4640598 Valve (Electric/Hydraulic Relief) (Figure 2-16)	7010514	1
Coil - 4640598 Valve (Electric/Hydraulic Relief) (Figure 2-16)	7009742	1
Coil - 4640385 Valve (Figure 2-17)	7000417	2
Seal Kit - 3600145 Pump Shaft (Figure 2-19, 2-22 and 2-24)	2900660	1
Breather, Hydraulic (Figure 2-25)	1340021	1
Switch, Limit (Figure 2-27)	4360300	1
Seal Kit - Steer Cylinder (Figure 2-31)	2901119	1
Seal Kit - Drive Motor (Figure 2-34)	2900449	2
Bearing Kit - Drive Hub (Figure 2-37)	7010429	2
Diode - 6 Amp (Figure 2-64)	3990010	6

SECTION 1 — RECOMMENDED SERVICE PARTS STOCK

EURO SPEC MODELS CM25/33/40RT (CONTINUED)

DESCRIPTION	JLG PART NO.	QTY
OPTIONAL/VARIABLE PARTS		
Seal Kit - Lift Cylinder (CM40RT) (Figure 2-3)	2901116	1
Seal Kit - Lift Cylinder (CM25/33RT) (Figure 2-3)	2901115	1
Wheel, Bearing (Platform Extension) (Figure 2-6)	0440085	4
Pad, Wear (Platform Extension) (Figure 2-6)	3340587	4
Switch, Limit (Extending and Traversing Platforms and French Spec Interlock) (Figure 2-6, 2-7, 2-27 and 2-64)	4360277	1
Pad, Wear (Traversing Platform) (Figure 2-7)	3340590	16
Bushing, Nylatron (Traversing Platform) (Figure 2-7)	0961461	2
Switch, Toggle - DPDT (Traversing and Level Jack Functions) (Figure 2-7, 2-11, 2-28 and 2-64)	4360202	2
Seal Kit - Extension Cylinder (Traversing Platform) (Figure 2-8)	2901121	1
Seal Kit - 4640375/4640516 Valve Working Section (Traversing Platform) (Figure 2-9)	7000549	1
Seal Kit - 4640375 Valve Outlet Section (Traversing Platform Without Jacks) (Figure 2-9)	7006047	1
Seal Kit - 4640375/4640516 Valve Outlet Section (Traversing Platform With Jacks) (Figure 2-9)	2900657	1
Seal Kit - 4640375/4640516 Valve Inlet Section (Traversing Platform) (Figure 2-9)	7000550	1
Switch, Toggle - DPST (Drive Speed) (4WD Machines) (Figure 2-10)	4360203	1
Switch, Toggle - DPDT/CO (Dual Fuel) (Figure 2-11 and 2-64)	4360201	1
Breaker, Circuit - 3 Amp (Diesel Machines) (Figure 2-11)	4360212	1
Breaker, Circuit - 30 Amp (Gas and Diesel Machines) (Figure 2-11)	4360216	1
Cartridge, - 4640588 Valve (4WD Machines) (Figure 2-13)	7010510	1
Cartridge - 4640540 Valve (4WD Machines) (Figure 2-13)	7010528	1
Coil - 4640540 Valve (4WD Machines) (Figure 2-11)	7009745	1
Coil - 4640123 Valve (Hydraforce Version) (Figure 2-13)	7004368	1
Coil - 4640123 Valve (FPS Version) (Figure 2-11)	7000558	1
Seal Kit - 4640352 Valve Working Section (With Stabilizers) (Figure 2-18)	7000549	5
Seal Kit - 4640352 Valve Outlet Section (With Stabilizers) (Figure 2-18)	7006062	1
Coil - 4640352 Valve (With Stabilizers) (Figure 2-18)	4640049	4
Cartridge - 4640352 Valve Inlet Relief (With Stabilizers) (Figure 2-18)	7006053	1
Relay (Start) (Gas Machines) (Figure 2-18)	3740059	1
Box, Control (Precision Governor) (Gas Machines) (Figure 2-18)	1600117	1
Governor, Precision (Gas Machines) (Figure 2-18)	2500005	1
Switch, Pressure (Gas Machines) (Figure 2-18)	4360037	1
Filter, Air (Gas and Diesel Machines) (Figure 2-18)	7003655	4
Relay, Adlo (Start Lockout) (Gas and Diesel Machines) (Figure 2-18 and 2-22)	3740030	1
Filter/Separator (Gas Machines) (Figure 2-18)	2120112	1
Filterlock (Dual Fuel Machines) (Figure 2-19)	2120077	1
Switch, Vacuum (Dual Fuel Machines) (Figure 2-19)	4360188	1
Valve, Gas Lock (Dual Fuel Machines) (Figure 2-19)	4640391	1
Actuator, Throttle (Diesel Machines) (Figure 2-22)	0060023	1
Switch, Pressure (Diesel Machines With Engine Distress Signal)	4360065	1
Switch, Pressure (Diesel Machines With 110V Generator)	4360037	1
Fuse - 200 Amp (Electric Machines) (Figure 2-24)	2400025	1

SECTION 1 — RECOMMENDED SERVICE PARTS STOCK

EURO SPEC MODELS CM25/33/40RT (CONTINUED)

DESCRIPTION	JLG PART NO.	QTY
OPTIONAL/VARIABLE PARTS (CONTINUED)		
Relay, Contactor (Electric Machines) (Figure 2-24)	3740064	1
Seal Kit - Jack Cylinder (Figure 2-29)	2901130	1
Cartridge - Jack Cylinder (Figure 2-29)	4640639	1
Bushing, Bronze - Front Spindle (4WD) (Figure 2-30)	0961029	8
Bushing, Bronze - Front Spindle (2WD) (Figure 2-30)	0960839	4
Repair Kit - 4640668 Valve (With Oscillating Axle) (Figure 2-30)	7012516	1
Seal, Oil - Front Axle (2WD) (Figure 2-30)	3960353	2
Cup, Bearing - Front Axle (2WD) (Figure 2-30)	0440174	4
Cone, Bearing - Front Axle (2WD) (Figure 2-30)	0440175	4
Seal Kit - Lockout Cylinder (With Oscillating Axle) (Figure 2-32)	2900379	2
Cartridge - Lockout Cylinder (With Oscillating Axle) (Figure 2-32)	4640525	1
Seal Kit - Drive Motor (4WD Front) (Figure 2-35)	2900714	2
Seal Kit - Drive Brake (Ausco Version) (Figure 2-36)	2900131	2
Seal Kit - Drive Brake (Mico Version) (Figure 2-36)	2900641	2
Seal Kit - Drive Brake (4WD Front) (Figure 2-38)	2900755	2
Seal Kit - Drive Hub (4WD Front) (Figure 2-38)	2900754	2
Resistor - 20 Ohm (Diesel Only) (Figure 2-64)	3730003	1

SECTION 2

ILLUSTRATED

PARTS LIST

SECTION 2 — ILLUSTRATED PARTS LIST

NOTE: CM40RT SHOWN. USE THIS ILLUSTRATION AND PARTS LIST TO REFERENCE COMPONENTS FOR CM33RT ALSO.

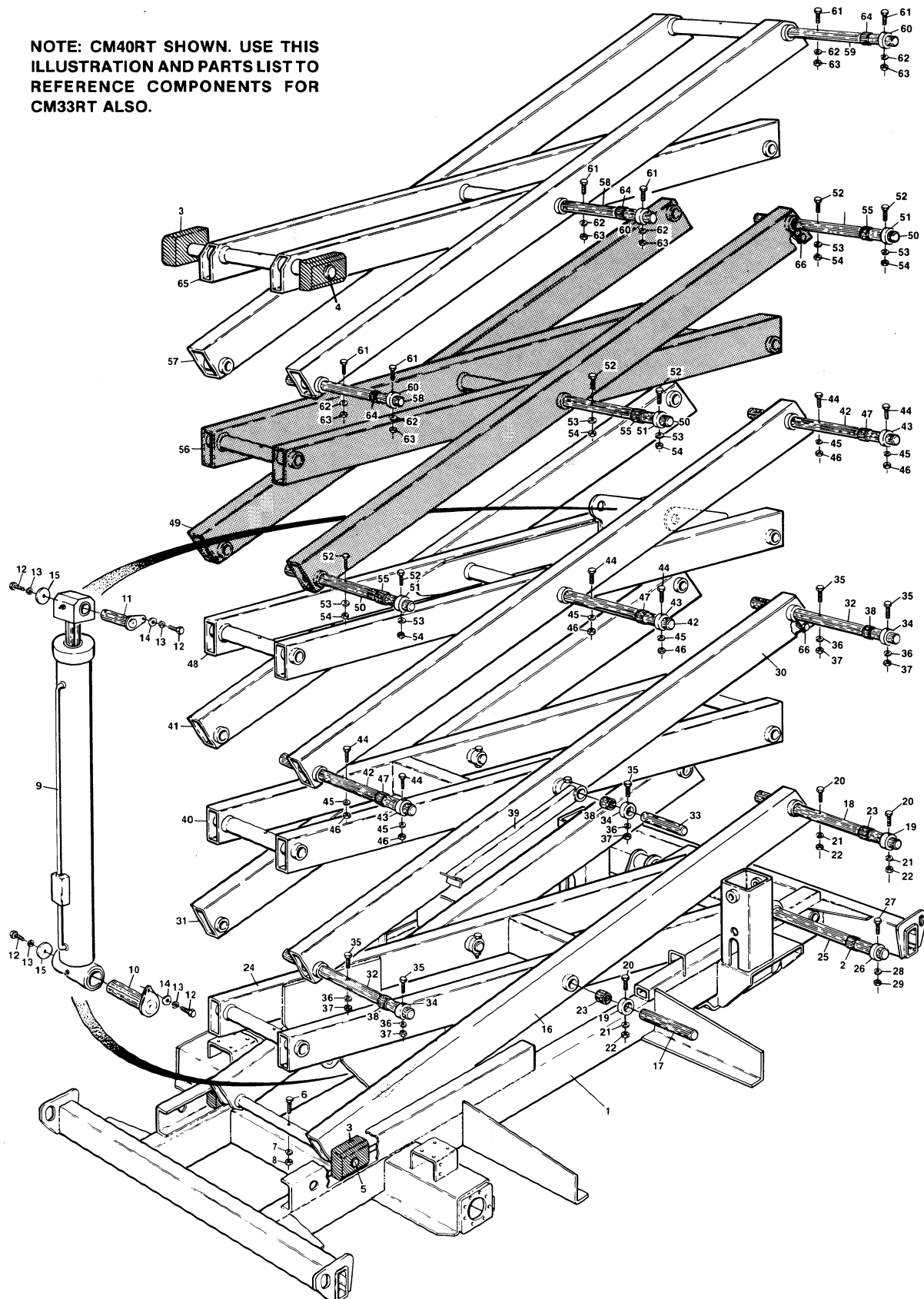


Figure 2-1. Frame and Sizzor Arms Assembly and Installations (CM40RT/CM33RT).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—1		FRAME AND SIZZOR ARMS ASSEMBLY AND INSTALLATIONS (CM40RT/CM33RT)	Ref.	
—1	2360318	Frame (CM40/33RT - Gas/Diesel)	1	
	2360336	Frame (CM40/33RT - Electric)	1	
—2	0961409	Bushing, Super Oilite (Sizzor Arm Pivots)	4	
	0251026	SIZZOR ARMS ASSEMBLY AND INSTALLATION (CM40RT)	Ref.	A
	0251025	SIZZOR ARMS ASSEMBLY AND INSTALLATION (CM33RT) (NOT SHOWN)	Ref.	D
—3	3340579	Pad, Sliding (Attaching Parts)	4	
—4	3421639	Pin (Top)	1	
—5	3421641	Pin (Bottom)	1	
—6	0641528	Bolt 5/16"-18NC x 3 1/2"	2	
—7	4761500	Lockwasher 5/16"	2	
—8	3311501	Nut 5/16"-18NC	2	
—9	1682243	Lift Cylinder Assembly (CM40RT) (See Figure 2-3 for Breakdown)	1	
	1682242	Lift Cylinder Assembly (CM33RT) (See Figure 2-3 for Breakdown) (Attaching Parts)	1	
—10	3421645	Pin (Bottom)	1	
—11	3421647	Pin (Top)	1	
—12	0641808	Bolt 1/2"-13NC x 1"	4	
—13	4761800	Lockwasher 1/2"	4	
—14	4751800	Flatwasher 1/2"	4	
—15	4740303	Flatwasher, Special	2	
—16	0200367	Arm Weldment (Lower Outside) (Attaching Parts)	1	
—17	3421642	Pin (Center)	2	
—18	3421638	Pin (Top)	1	
—19	1440227	Collar	6	
—20	0641528	Bolt 5/16"-18NC x 3 1/2"	7	
—21	4761500	Lockwasher 5/16"	7	
—22	3311501	Nut 5/16"-18NC	7	
—23	0961409	Bushing, Oilite (Qty. 8 Per Arm)	16	
—24	0200366	Arm Weldment (Lower Inside) (Attaching Parts)	1	
—25	3421637	Pin (Bottom)	1	
—26	1440227	Collar	2	
—27	0641528	Bolt 5/16"-18NC x 3 1/2"	3	
—28	4761500	Lockwasher 5/16"	3	
—29	3311501	Nut 5/16"-18NC	3	
—30	0200402	Arm Weldment (2nd Outside - RH) (CM40RT)	1	
	0200372	Arm Weldment (Lower Mid Outside - RH) (CM33RT)	1	
—31	0200403	Arm Weldment (2nd Outside - LH) (CM40RT)	1	
	0200373	Arm Weldment (Lower Mid Outside - LH) (CM33RT) (Attaching Parts)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—1		FRAME AND SIZZOR ARMS ASSEMBLY AND INSTALLATION (CM40RT/CM33RT) (CONTINUED)	Ref.	
—32	3421638	Pin (Bottom and Top)	2	
—33	3421642	Pin (Center)	2	
—34	1440227	Collar	10	
—35	0641528	Bolt 5/16"-18NC x 3 1/2"	12	
—36	4761500	Lockwasher 5/16"	12	
—37	3311501	Nut 5/16"-18NC	12	
—38	0961409	----- Bushing, Oilite (Qty. 5 Per Arm)	12	
—39	4843248	Prop, Safety	2	
—40	0200406	Arm Weldment (2nd Inside) (CM40RT)	1	
	0200369	Arm Weldment (Lower Mid Inside) (CM33RT)	1	
—41	0200404	----- Arm Weldment (3rd Outside) (CM40RT)	2	
	0200368	Arm Weldment (Upper Mid Outside) (CM33RT) (Attaching Parts)	2	
—42	3421638	Pin (Bottom, Center and Top)	3	
—43	1440227	Collar	6	
—44	0641528	Bolt 5/16"-18NC x 3 1/2"	9	
—45	4761500	Lockwasher 5/16"	9	
—46	3311501	Nut 5/16"-18NC	9	
—47	0961409	----- Bushing, Bronze (Qty. 6 per Arm)	12	
—48	0200405	Arm Weldment (3rd Inside) (CM40RT)	1	
	0200370	Arm Weldment (Upper Mid Inside) (CM33RT)	1	
—49	0200368	----- Arm Weldment (Mid Outside) (CM40RT Only) (Attaching Parts)	2	
—50	3421638	Pin (Bottom, Center and Top)	3	
—51	1440227	Collar	6	
—52	0641528	Bolt 5/16"-18NC x 3 1/2"	9	
—53	4761500	Lockwasher 5/16"	9	
—54	3311501	Nut 5/16"-18NC	9	
—55	0961409	----- Bushing, Bronze (Qty. 6 Per Arm)	12	
—56	0200415	Arm Weldment (Mid Inside) (CM40RT Only)	1	
—57	0200408	----- Arm Weldment (Upper Outside) (CM40RT)	1	
	0200367	Arm Weldment (Upper Outside) (CM33RT) (Attaching Parts)	1	
—58	3421638	Pin (Bottom and Center)	2	
—59	3421640	Pin (Top)	1	
—60	1440227	Collar	6	
—61	0641528	Bolt 5/16"-18NC x 3 1/2"	9	
—62	4761500	Lockwasher 5/16"	9	
—63	3311501	Nut 5/16"-18NC	9	
—64	0961409	----- Bushing, Oilite (Qty. 8 Per Arm)	16	
—65	0200407	Arm Weldment (Upper Inside) (CM40RT)	1	
	0200371	Arm Weldment (Upper Inside) (CM33RT)	1	
—66	1320061	----- Clamp, Hose (Attaching Parts)	4	
	0641508	Bolt 5/16"-18NC x 1"	1	
	4761500	Lockwasher 5/16"	1	
	3311501	Nut 5/16"-18NC	1	

SECTION 2 — ILLUSTRATED PARTS LIST

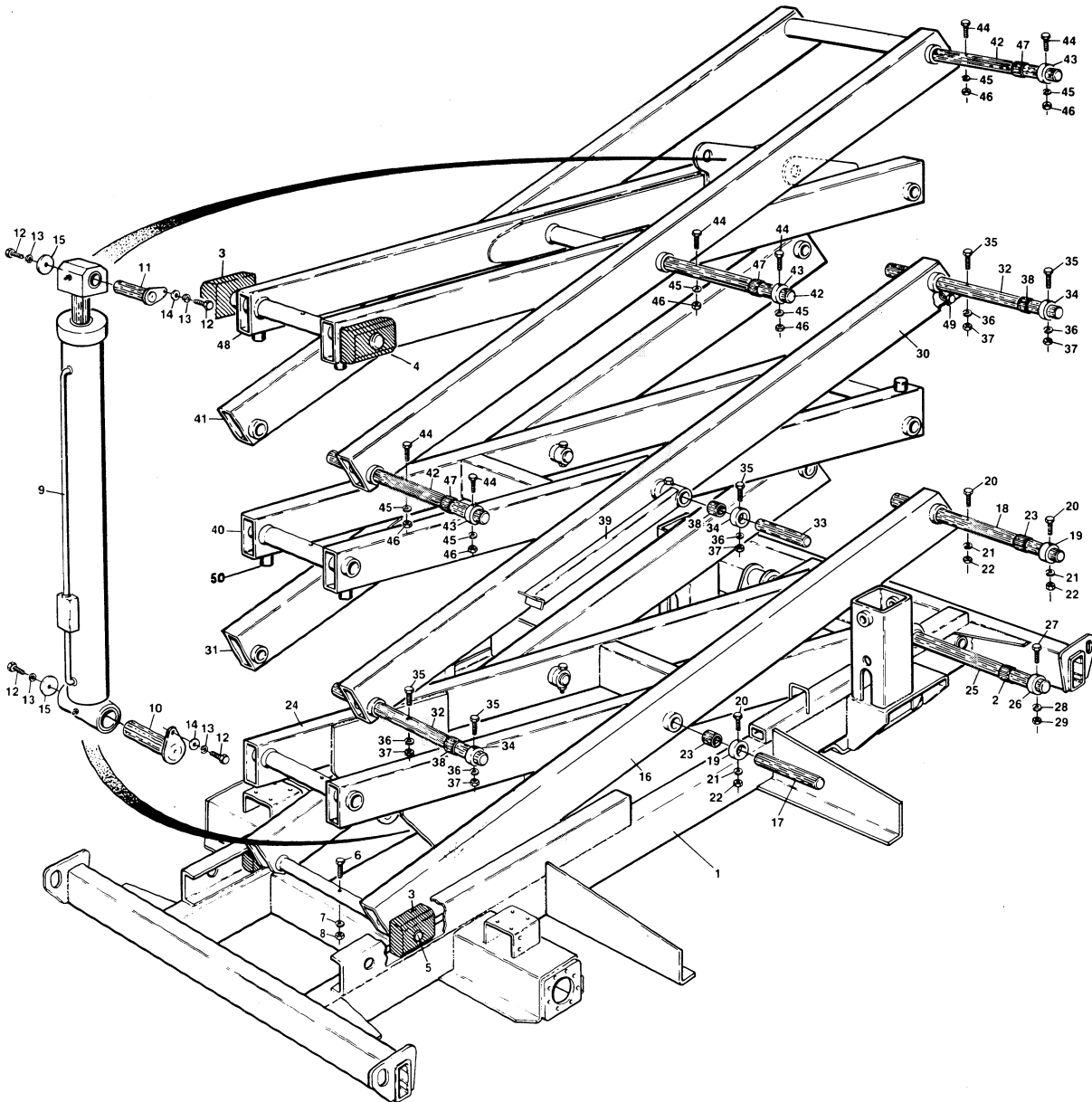


Figure 2-2. Frame and Sizzor Arms Assembly and Installations (CM25RT).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—2		FRAME AND SIZZOR ARMS ASSEMBLY AND INSTALLATIONS (CM25RT)	Ref.	
—1	2360318	Frame (Gas and Diesel)	1	
	2360336	Frame (Electric)	1	
—2	0961409	Bushing, Super Oilite (Sizzor Arms Pivot)	4	
	0251067	SIZZOR ARMS ASSEMBLY AND INSTALLATION	Ref.	B
—3	3340579	Pad, Sliding (Attaching Parts)	4	
—4	3421639	Pin (Top)	1	
—5	3421641	Pin (Bottom)	1	
—6	0641528	Bolt 5/16"-18NC x 3 1/2"	2	
—7	4761500	Lockwasher 5/16"	2	
—8	3311501	Nut 5/16"-18NC	2	
—9	1682242	Lift Cylinder Assembly (See Figure 2-3 for Breakdown) (Attaching Parts)	1	
—10	3421645	Pin (Bottom)	1	
—11	3421647	Pin (Top)	1	
—12	0641808	Bolt 1/2"-13NC x 1"	4	
—13	4761800	Lockwasher 1/2"	4	
—14	4751800	Flatwasher 1/2"	4	
—15	4740303	Flatwasher, Special	2	
—16	0200367	Arm Weldment (Lower Outside) (Attaching Parts)	1	
—17	3421642	Pin (Center)	2	
—18	3421638	Pin (Top)	1	
—19	1440227	Collar	6	
—20	0641528	Bolt 5/16"-18NC x 3 1/2"	7	
—21	4761500	Lockwasher 5/16"	7	
—22	3311501	Nut 5/16"-18NC	7	
—23	0961409	Bushing, Oilite (Qty. 8 Per Arm)	16	
—24	0200366	Arm Weldment (Lower Inside) (Attaching Parts)	1	
—25	3421637	Pin (Bottom)	1	
—26	1440227	Collar	2	
—27	0641528	Bolt 5/16"-18NC x 3 1/2"	3	
—28	4761500	Lockwasher 5/16"	3	
—29	3311501	Nut 5/16"-18NC	3	
—30	0200372	Arm Weldment (Mid Outside - RH)	1	
—31	0200373	Arm Weldment (Mid Outside - LH) (Attaching Parts)	1	
—32	34216388	Pin (Bottom and Top)	2	
—33	3421642	Pin (Center)	2	
—34	1440227	Collar	10	
—35	0641528	Bolt 5/16"-18NC x 3 1/2"	12	
—36	4761500	Lockwasher 5/16"	12	
—37	3311501	Nut 5/16"-18NC	12	
—38	0961409	Bushing, Oilite (Qty. 6 Per Arm)	12	
—39	4843248	Prop, Safety	2	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—2		FRAME AND SIZZOR ARMS ASSEMBLY AND INSTALLATIONS (CM25RT) (CONTINUED)	Ref.	
—40	0200369	Arm Weldment (Mid Inside)	1	
—41	0200408	Arm Weldment (Upper Outside)	2	
—42	3421638	Pin (Bottom and Center)	2	
—43	3421640	Pin (Top)	1	
—44	1440227	Collar	6	
—45	0641528	Bolt 5/16"-18NC x 3 1/2"	9	
—46	4761500	Lockwasher 5/16"	9	
	3311501	Nut 5/16"-18NC	9	
—47	0961409	Bushing, Bronze (Qty. 6 Per Arm)	12	
—48	0200419	Arm Weldment (Upper Inside)	1	
—49	1320061	Clamp, Hose	4	
		(Attaching Parts)		
	0641508	Bolt 5/16"-18NC x 1"	1	
	4761500	Lockwasher 5/16"	1	
	3311501	Nut 5/16"-18NC	1	
	0251798	ARM STOPS INSTALLATION	Ref.	—
—50	0361987	Stop, Bar	8	

SECTION 2 — ILLUSTRATED PARTS LIST

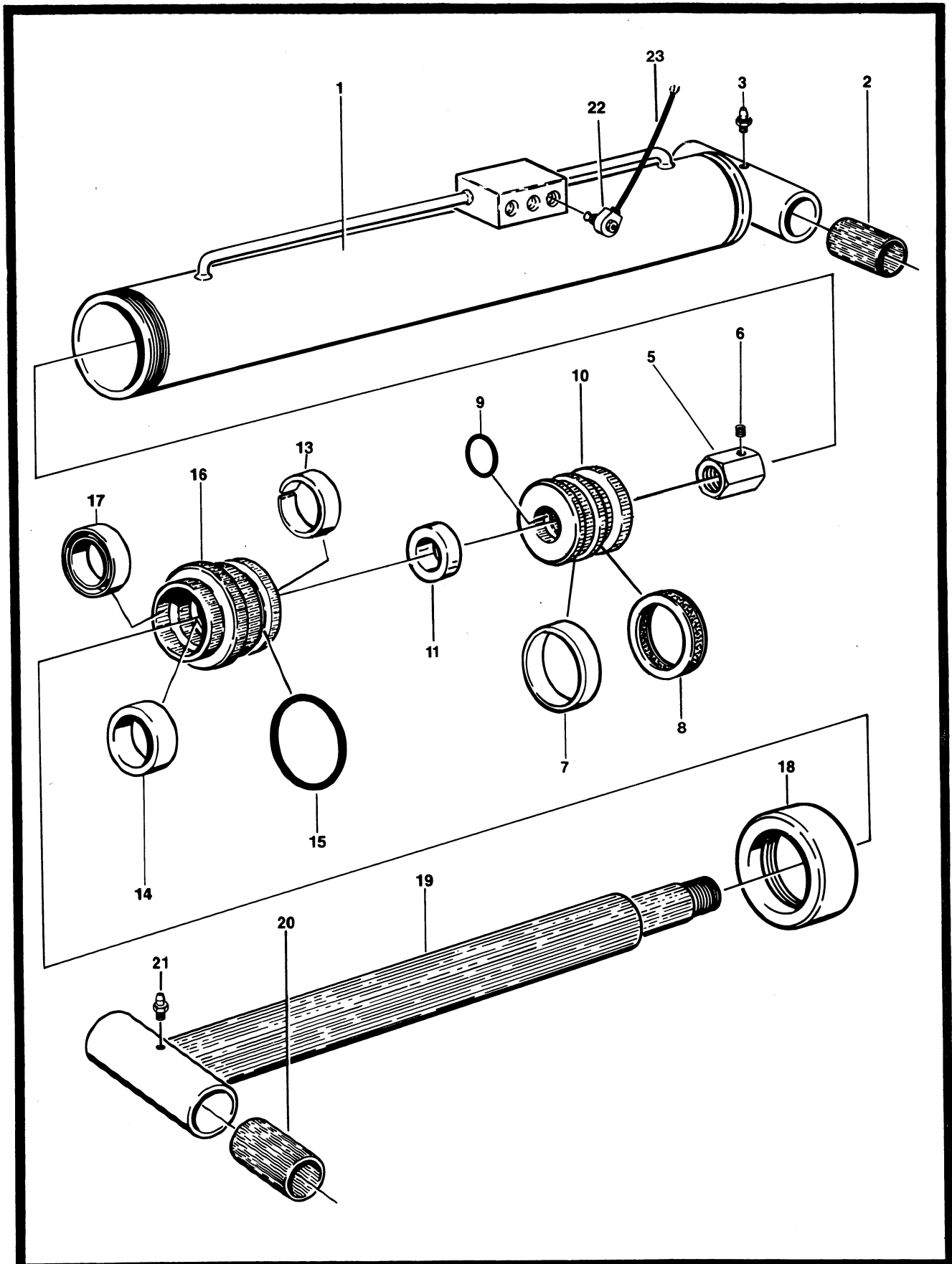


Figure 2-3. Lift Cylinder Assembly.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—3	1682243	LIFT CYLINDER ASSEMBLY (CM40RT)	Ref.	A
	1682242	LIFT CYLINDER ASSEMBLY (CM33RT/CM25RT)	Ref.	A
		Note: Refer to Number Stamped on Barrel for Identification.		
—1	1682080	Barrel Assembly	1	
—2	0961379	Bushing, Bronze	2	
—3	2160002	Fitting, Grease	1	
—4	Not Used			
—5	3300254	Nut, Special (Uses 2 Setscrews)	1	
	3300286	Nut, Hex (Uses 1 Setscrew)	1	
	0100011	Loctite #242	A/R	
	0100038	Primer, Locking	A/R	
	3951602	Setscrew 1/4"-20NC x 3/8"	2	
—6	3900170	Setscrew 3/8"-16NC x 3/8"	1	
—7	Kit	Ring, Wear	1	
—8	Kit	T-Seal	1	
—9	Kit	O-Ring	1	
—10	3480137	Piston	1	
—11	4564707	Spacer, Tube (CM40RT)	1	
	4564708	Spacer, Tube (CM33RT/CM25RT)	1	
—12	Not Used			
—13	Kit	Ring, Wear	1	
—14	Kit	Seal	1	
—15	Kit	O-Ring	1	
—16	1682076	Head (CM40RT)	1	
	1682098	Head (CM33RT)	1	
—17	Kit	Ring, Wiper	1	
—18	1120358	Cap	1	
	0100035	Loctite #222	A/R	
—19	1682100	Rod Assembly (CM40RT)	1	
	1682082	Rod Assembly (CM33RT/CM25RT)	1	
—20	0961380	Bushing, Bronze	2	
—21	2160002	Fitting, Grease	1	
—22	4640382	Valve, Holding	1	
	7009742	Coil (Modular Controls)	1	
	2900503	Seal Kit (Modular Controls)	1	
	7000645	Coil (Hydraforce)	1	
	2900800	Seal Kit (Hydraforce)	1	
—23	1060016	Cable, Electrical - 16/3	24 ft./7.3m	
	2901116	Seal Kit (Includes Items 7,8,9,13,14,15 and 17) (CM40RT)	1	
	2901115	Seal Kit (Includes Items 7,8,9,13,14,15 and 17) (CM33RT/CM25RT)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

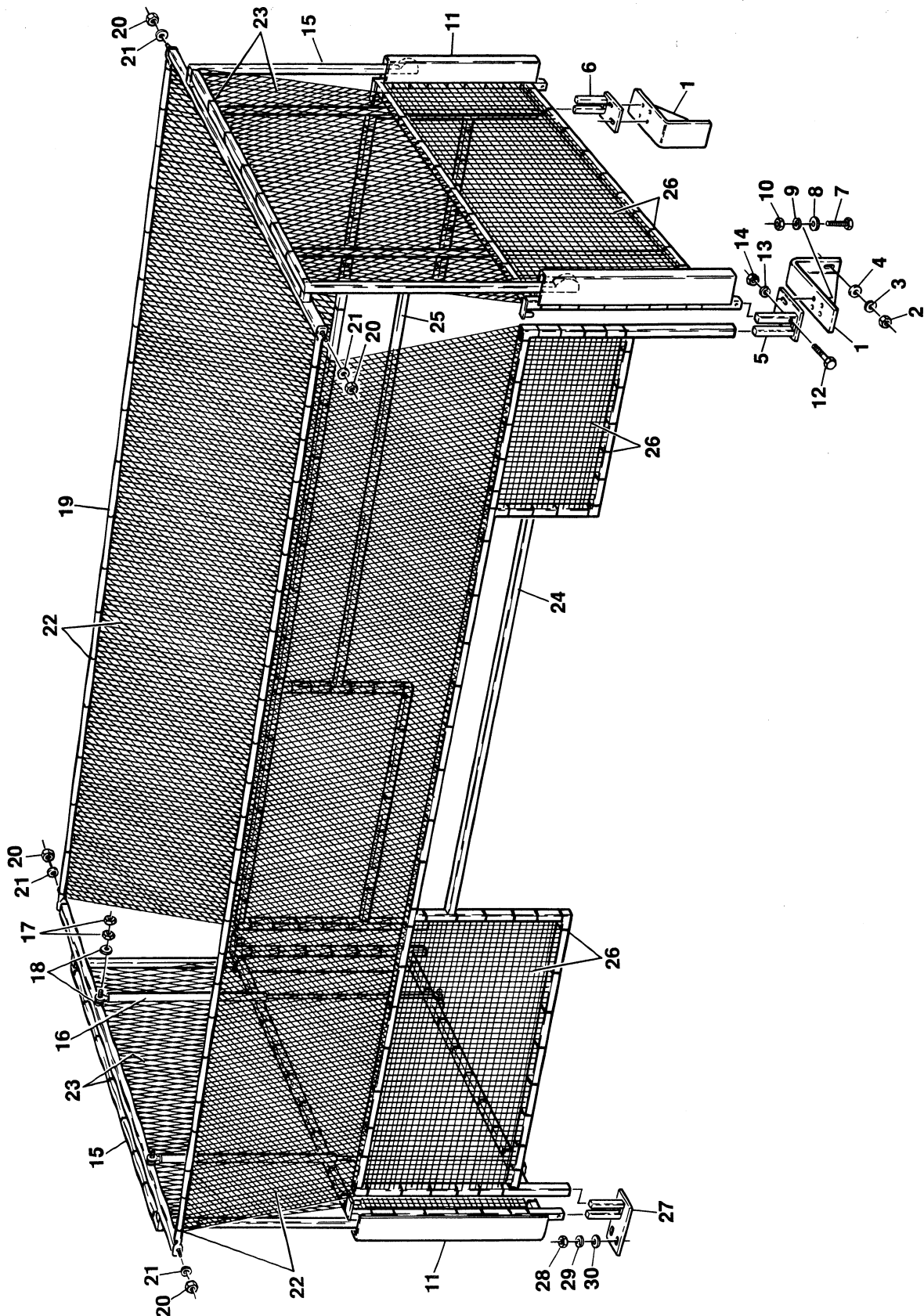


Figure 2-4. Sizzor Arm Guards Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—4	0252049	SIZZOR ARM GUARDS INSTALLATION (DEUTZ MACHINES)	Ref.	—
	0252340	SIZZOR ARM GUARDS INSTALLATION (FORD AND ELECTRIC MACHINES)	Ref.	—
—1	4843810	Support, Guard (Front Lower) (Attaching Parts)	2	
—2	3311801	Nut 1/2"-13NC	2	
—3	4761800	Lockwasher 1/2"	2	
—4	4711800	Flatwasher 1/2" Narrow	2	
	4300048	Stud (Welded on Parts)	2	
—5	4843807	Bracket, Mounting (Front Right)	1	
—6	4843876	Bracket, Mounting (Front Left) (Attaching Parts)	1	
—7	0641610	Bolt 3/8"-16NC x 1 1/4"	2	
—8	4711600	Flatwasher 3/8" Narrow	2	
—9	4761600	Lockwasher 3/8"	2	
—10	3311601	Nut 3/8"-16NC	2	
—11	4843936	Guard (Attaching Parts)	2	
—12	0641514	Bolt 5/16"-18NC x 1 3/4"	2	
—13	4761500	Lockwasher 5/16"	2	
—14	3311501	Nut 5/16"-18NC	2	
—15	4843800	Guide, Belt	2	
—16	4160102	Spring, Gas (Attaching Parts)	4	
—17	3311501	Nut 5/16"-18NC	4	
—18	4711500	Flatwasher 5/16" Narrow	8	
—19	4340611	Bar, Support (Attaching Parts)	2	
—20	3311805	Locknut 1/2"-13NC	2	
—21	4711800	Flatwasher 1/2" Narrow	2	
—22	0480064	Mesh, Wire (Upper Sides)	2	
	4240033	Strap, Tie	A/R	
—23	0480065	Mesh, Wire (Upper Ends)	2	
	4240033	Strap, Tie	A/R	
—24	4843938	Guard (Right Side)(Deutz Machines)	1	
	4844035	Guard (Right Side) (Ford and Electric Machines)	1	
—25	4843937	Guard (Left Side) (Deutz Machines)	1	
	4844035	Guard (Left Side) (Ford and Electric Machines)	1	
—26	4921380	Mesh, Wire (Lower Sides and Ends)	9 ft./2.75m	
	4240033	Strap, Tie	A/R	
—27	4843811	Bracket, Mounting (Rear) (Attaching Parts)	2	
—28	3311801	Nut 1/2"-13NC	2	
—29	4761800	Lockwasher 1/2"	2	
—30	4711800	Flatwasher 1/2" Narrow	2	
	4300048	Stud (Welded on Parts)	2	

SECTION 2 — ILLUSTRATED PARTS LIST

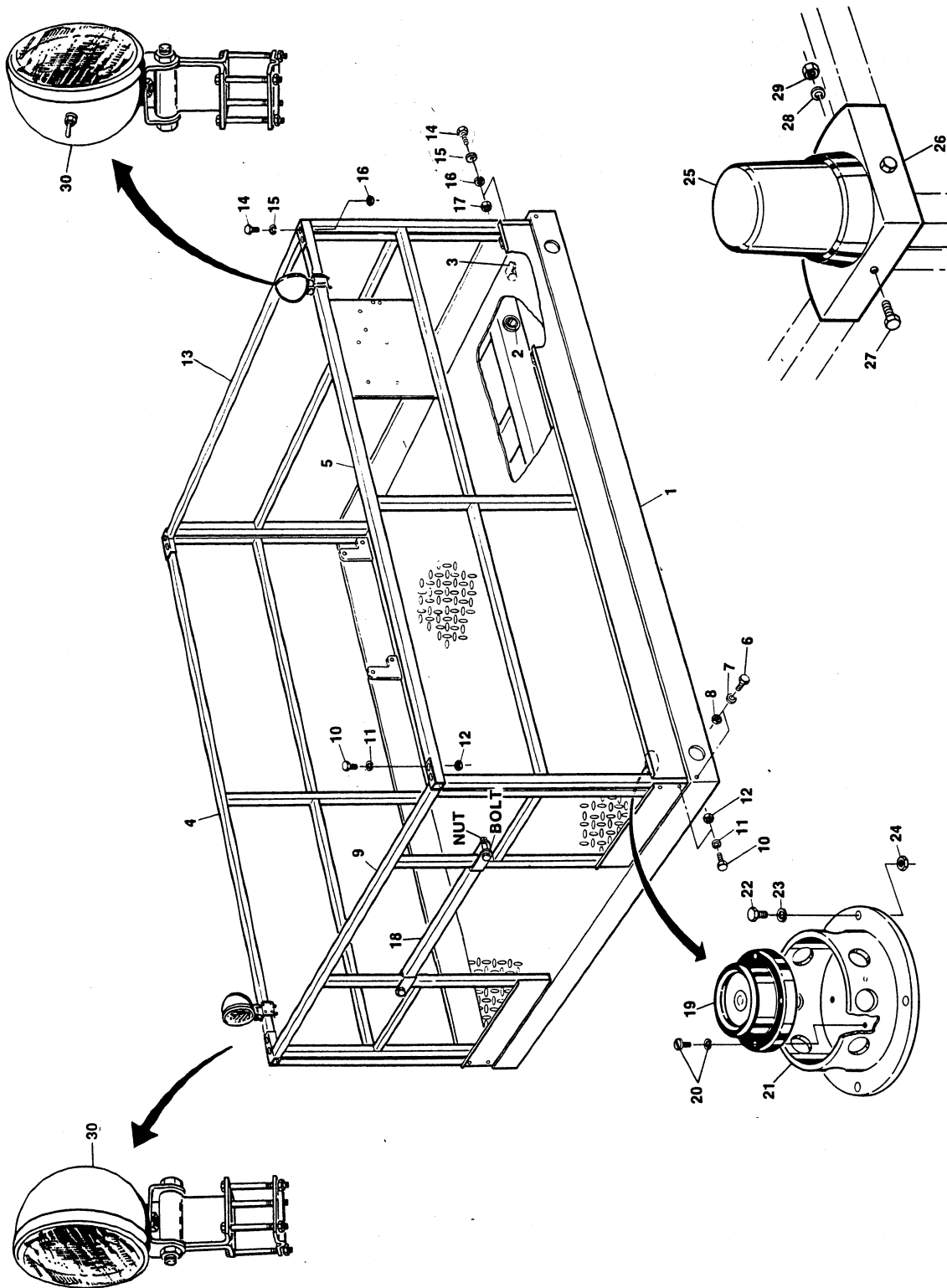


Figure 2-5. Platform and Handrail Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—5		PLATFORM AND HANDRAIL INSTALLATIONS	Ref.	
—1	3510203	Platform Weldment (Standard and Extendable)	1	D
—2	0961409	Bushing	4	
—3	1320095	Clamp	1	
		(Attaching Parts)		
	3311501	Nut 5/16"-18NC	1	
	4761500	Lockwasher 5/16"	1	
	4300038	Stud (Welded on Parts)	1	
	0250753	HANDRAILS INSTALLATION (42"/1.09m HEIGHT) (STANDARD PLATFORM)	Ref.	—
	02501153	HANDRAILS INSTALLATION (43 1/2"/1.1m HEIGHT) (STANDARD PLATFORM)	Ref.	B
	0250754	HANDRAILS INSTALLATION (42"/1.09m HEIGHT) (EXTENDABLE PLATFORM)	Ref.	—
	0251154	HANDRAILS INSTALLATION (43 1/2"/1.1m HEIGHT) (EXTENDABLE PLATFORM)	Ref.	A
—4	3640602	Handrail - LH Side (42"/1.09m Height)	1	
	3640680	Handrail - LH Side (43 1/2"/1.1m Height)	1	
—5	3640601	Handrail - RH Side (42"/1.09m Height)	1	
	3640681	Handrail - RH Side (43 1/2"/1.1m Height)	1	
		(Attaching Parts)		
—6	0641518	Bolt 5/16"-18NC x 2 1/4"	2	
—7	4751500	Flatwasher 5/16"	2	
—8	3311505	Locknut 5/16"-18NC	2	
—9	3640603	Handrail - Rear (42"/1.09m Height)	1	
	3640679	Handrail - Rear (43 1/2"/1.1m Height)	1	
		(Attaching Parts)		
—10	0641416	Bolt 1/4"-20NC x 2"	7	
	4751400	Flatwasher 1/4"	7	
—11	4761400	Lockwasher 1/4"	7	
—12	3311401	Nut 1/4"-20NC	7	
—13	3640612	Handrail - Front (42" Height) (Standard Platform Only)	1	
	3640682	Handrail - Front (43 1/2" Height) (Standard Platform Only)	1	
		(Attaching Parts)		
—14	0641416	Bolt 1/4"-20NC x 2"	7	
—15	4751400	Flatwasher 1/4"	7	
—16	4761400	Lockwasher 1/4"	7	
—17	3311401	Nut 1/4"-20NC	7	
—18	3640642	Gate, End	1	
		(Attaching Parts)		
	0641418	Bolt 1/4"-20NC x 2 1/4"	2	
	3311405	Locknut 1/4"-20NC	2	
	0250317	CIRCULAR LEVEL INSTALLATION (OPTIONAL)	Ref.	—
—19	2420038	Level, Circular	1	
		(Attaching Parts)		
—20	3910610	Screw #6-32 x 5/8"	3	
	4770600	Starwasher #6	3	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—5		PLATFORM AND HANDRAIL INSTALLATIONS (CONTINUED)	Ref.	
—21	4842981	Mounting Weldment (Attaching Parts)	1	
—22	0641406	Bolt 1/4"-20NC x 3/4"	4	
—23	4761400	Lockwasher 1/4"	4	
—24	3311401	Nut 1/4"-20NC	4	

	0250809	ROTATING BEACON INSTALLATION	Ref.	—
—25	2920018	Light, Beacon (Amber) (Includes Mounting Hardware)	1	
—26	0901113	Bracket, Mounting (Attaching Parts)	1	
—27	0641416	Bolt 1/4"-20NC x 2"	2	
—28	4761400	Lockwasher 1/4"	2	
—29	3311401	Nut 1/4"-20NC	2	

	1060016	Cable - 16/3	16 ft.	
	3740049	Relay (Located in Platform Control Box)	1	
	0251805	WORKLIGHTS INSTALLATION	Ref.	—
—30	2920013	Lamp	2	

SECTION 2 — ILLUSTRATED PARTS LIST

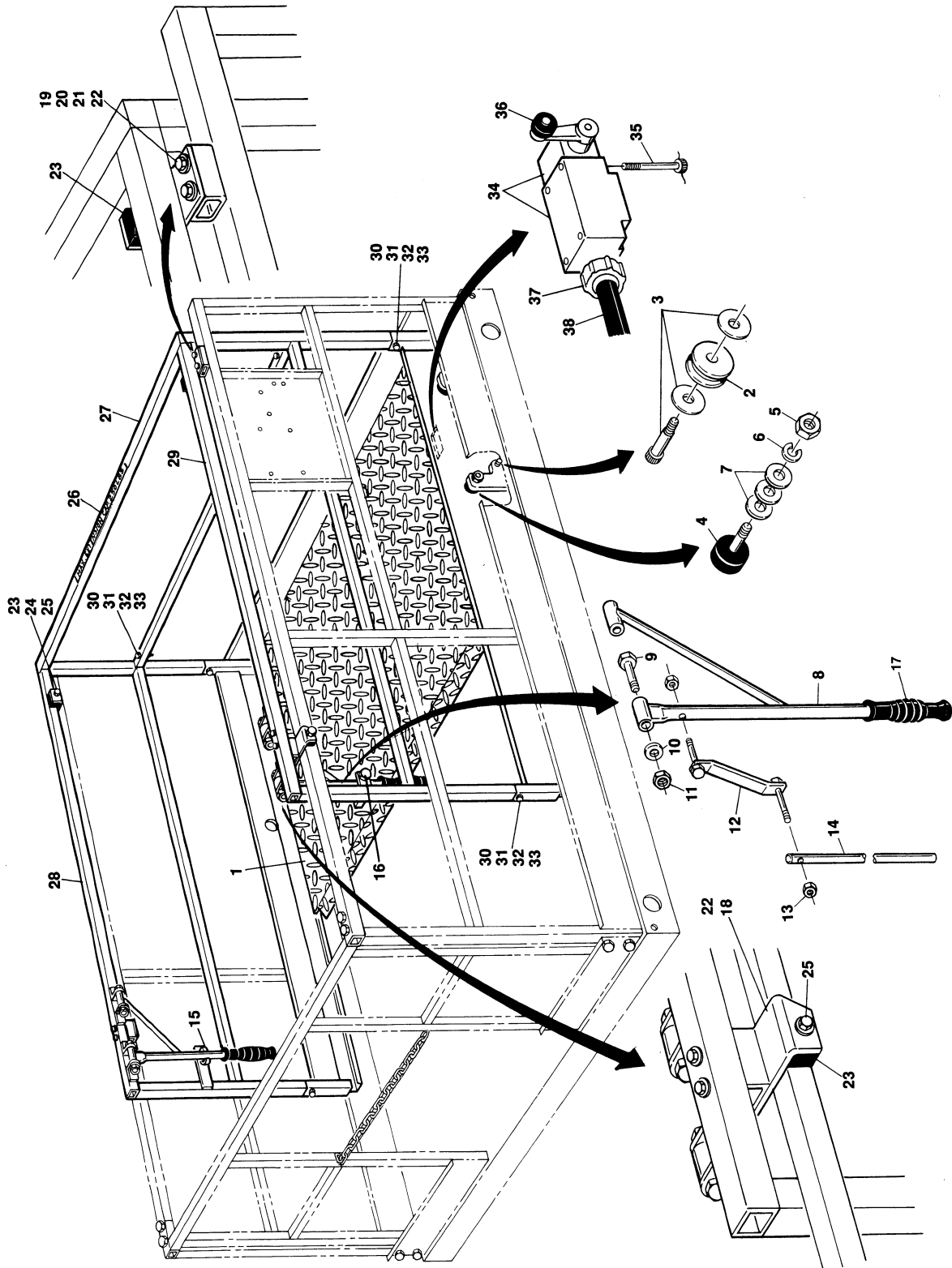


Figure 2-6. Platform Extension Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—6	0252513	PLATFORM EXTENSION INSTALLATION (REMOVABLE HANDRAILS) (OCTOBER 1991 TO PRESENT)	Ref.	A
	0251951	PLATFORM EXTENSION INSTALLATION (MAY 1991 TO SEPTEMBER 1991)	Ref.	—
	0251155	PLATFORM EXTENSION INSTALLATION (PRIOR TO MAY 1991)(REMOVABLE HANDRAIL DESIGN)	Ref.	—
—1	3510357	Platform, Extension (Removable Handrail Design) (October 1991 to Present)	1	
	3510349	Platform/Handrail Weldment (May 1991 to September 1991)	1	
	3510274	Platform/Handrail Weldment (Prior to May 1991)	1	
—2	3860049	Roller (Attaching Parts)	4	
—3	3900163	Screw, Shoulder	1	
	4740350	Flatwasher, Special	2	
—4	0440085	Wheel, Bearing (Attaching Parts)	4	
—5	3322002	Nut, Jam 5/8"-18NF	1	
—6	4762000	Lockwasher 5/8"	1	
—7	4712000	Flatwasher 5/8" Narrow	3	
—8	4843336	Handle, Latch (Attaching Parts)	2	
—9	0641620	Bolt 3/8"-16NC x 2 1/2"	2	
—10	4751600	Flatwasher	2	
—11	3311605	Locknut 3/8"-16NC	2	
—12	0200409	Arm, Latch (Attaching Parts)	2	
—13	3311505	Locknut 5/16"-18NC	2	
—14	3841154	Rod, Latch (October 1991 to Present)	2	
	3841131	Rod, Latch (May 1991 to September 1991)	2	
	3841068	Rod, Latch (Prior to May 1991)	2	
—15	1380132	Clip, Handle (Attaching Parts)	2	
—16	3941004	Screw, Self-Tap #10-24NC x 1/2"		
—17	2560088	Grip, Handle	2	
—18	0181515	Angle, Mounting - Wear Pad (Attaching Parts)	4	
—19	0641424	Bolt 1/4"-20NC x 3"	1	
—20	4751400	Flatwasher 1/4"	3	
—21	3311405	Locknut 1/4"-20NC	1	
—22	3532918	Plate, Doubler	4	
	4565312	Spacer (Not Shown)	4	
—23	3340587	Pad, Wear (Attaching Parts)	4	
—24	0641604	Bolt 3/8"-16NC x 1/2"	1	
—25	4761600	Lockwasher 3/8"	1	
—26	3252129	Nameplate - Capacity	1	
—27	4565554	Rail, Center (Machines with Removable Handrails)	2	
—28	3640783	Handrail - Left Side (Machines with Removable Handrails)	1	
—29	3640784	Handrail - Right Side (Machines with Removable Handrails) (Attaching Parts)	1	
—30	0641414	Bolt 1/4"-20NC x 1 3/4" (Side Handrails)	4	
	0641416	Bolt 1/4"-20NC x 2" (Center Rails)	4	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—6	0251951	PLATFORM EXTENSION INSTALLATION (CONTINUED)	Ref.	—
—31	4751400	Flatwasher 1/4"	16	
—32	4761400	Lockwasher 1/4"	8	
—33	3311401	Nut 1/4"-20NC	8	

	0251704	PLATFORM EXTENSION LIMIT SWITCH INSTALLATION	Ref.	A
—34	4360236	Head, Actuator	1	
	4360277	Switch, Limit (Attaching Parts)	1	
—35	3900168	Bolt, Special	2	
	4920140	Lockwire	A/R	

—36	4360278	Roller and Arm	1	
—37	4460052	Connector, Strain Relief	1	
—38	1060341	Cable - 16/2	15 ft./4.6m	

	4460049	Connector, Strain Relief (Located at Platform Control Box)	1	
	0960239	Bushing	1	
	3300047	Locknut, Conduit	1	

SECTION 2 — ILLUSTRATED PARTS LIST

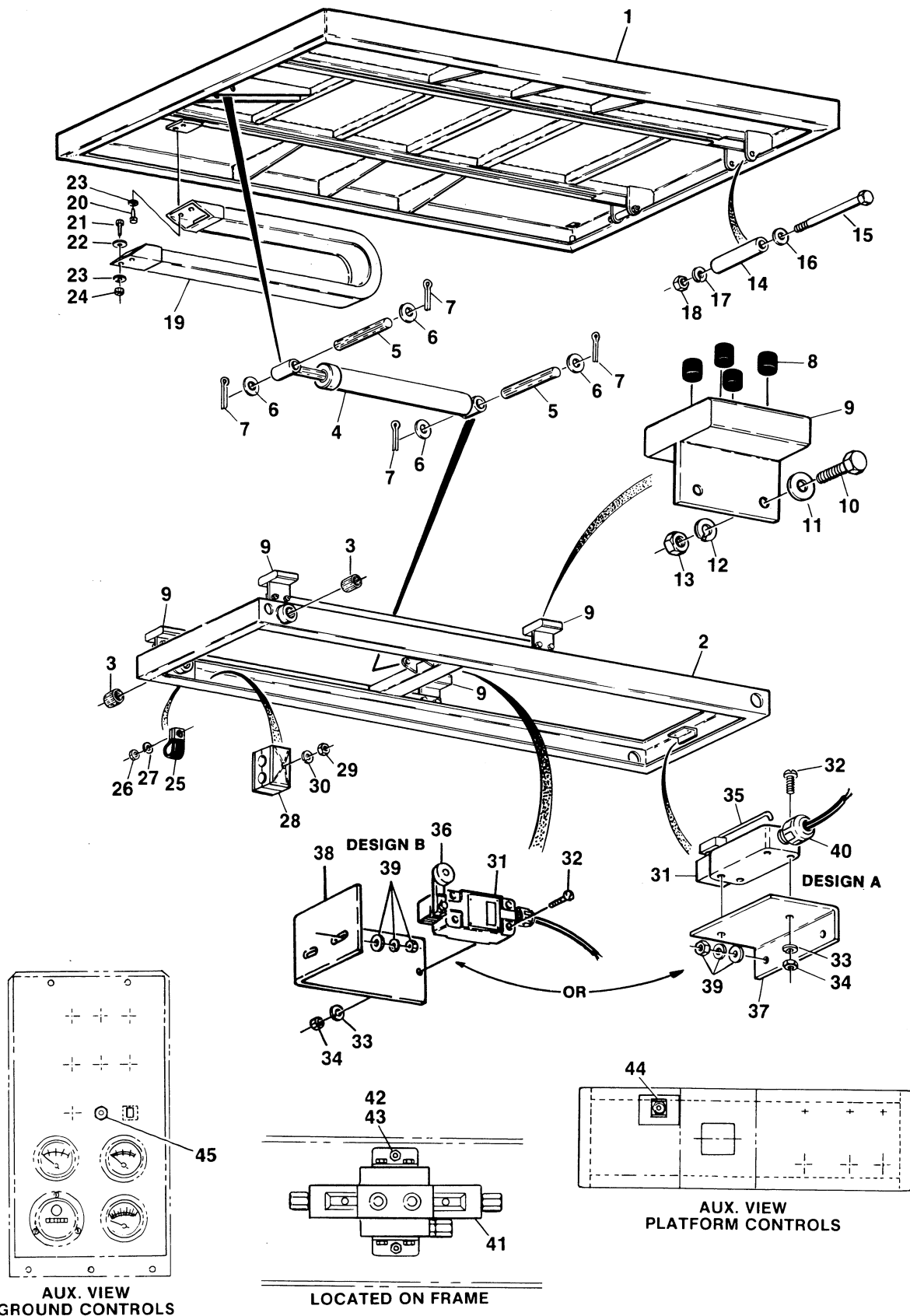


Figure 2-7. Traversing Platform Installations.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—7		TRAVERSING PLATFORM INSTALLATIONS	Ref.	
	3510336	TRAVERSING PLATFORM INSTALLATION (CM40RT WITHOUT OUTRIGGERS)	Ref.	B
	3510341	TRAVERSING PLATFORM INSTALLATION (CM40RT WITH OUTRIGGERS)	Ref.	A
	3510335	TRAVERSING PLATFORM INSTALLATION (CM33RT WITHOUT OUTRIGGERS)	Ref.	B
	3510340	TRAVERSING PLATFORM INSTALLATION (CM33RT WITH OUTRIGGERS)	Ref.	A
	3510334	TRAVERSING PLATFORM INSTALLATION (CM25RT WITHOUT OUTRIGGERS)	Ref.	B
	3510339	TRAVERSING PLATFORM INSTALLATION (CM25RT WITH OUTRIGGERS)	Ref.	A
—1	3510251	Platform Weldment	1	
—2	3510250	Sub-Deck Weldment	1	
—3	0961409	Bushing, Super Oilite	4	
—4	1681591	Extension Cylinder Assembly (See Figure 2-8 for Breakdown) (Attaching Parts)	1	
—5	3421327	Pin	2	
—6	4752200	Flatwasher 3/4"	4	
—7	3450406	Pin, Cotter 1/8" x 1 1/2"	4	
—8	3340590	Pad, Wear	16	
—9	4843637	Block, Slide (Attaching Parts)	4	
—10	0642212	Bolt 3/4"-10NC x 1 1/2"	2	
—11	4752200	Flatwasher 3/4"	2	
—12	4762200	Lockwasher 3/4"	2	
—13	3312201	Nut 3/4"-10NC	2	
—14	0961461	Bushing, Nylatron (Attaching Parts)	2	
—15	0641852	Bolt 1/2"-13NC x 6 1/2"	1	
—16	4751800	Flatwasher 1/2"	1	
—17	4761800	Lockwasher 1/2"	1	
—18	3311801	Nut 1/2"-13NC	1	
—19	1180172	Carrier (Attaching Parts)	1	
—20	0641405	Bolt 1/4"-20NC x 5/8" (Platform Attach)	2	
—21	0641408	Bolt 1/4"-20NC x 1" (Sub-Deck Attach)	2	
—22	4751400	Flatwasher 1/4"	2	
—23	4761400	Lockwasher 1/4"	4	
—24	3311401	Nut 1/4"-20NC	2	
—25	1320169	Clamp, Loop (Attaching Parts)	2	
—26	3311001	Nut #10-24NC	1	
—27	4761000	Lockwasher #10	1	
—28	1320159	Clamp, Hose (Attaching Parts)	2	
—29	3311401	Nut 1/4"-20NC	1	
—30	4761400	Lockwasher 1/4"	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—7		TRAVERSING PLATFORM INSTALLATIONS (CONTINUED)	Ref.	
—31	4360236	Head, Actuator	1	
	4360277	Switch, Limit (Attaching Parts)	1	
—32	0721016	Screw, Machine #10-24NC x 2"	2	
—33	4761000	Lockwasher #10	2	
—34	3311001	Nut #10-24NC	2	

		Cable - 16/3 (To Limit Switch)	12 ft./3.7m	
—35	4360056	Lever, Switch (Design A - Prior to April 1991)	1	
—36	4360298	Arm and Roller (Design B - April 1991 to Present)	1	
—37	0901697	Bracket, Mounting - Limit Switch (Design A - Prior to April 1991)	1	
—38	0901761	Bracket, Mounting - Limit Switch (Design B - April 1991 to Present)	1	
		(Attaching Parts)		
—39	3311401	Nut 1/4"-20NC	2	
	4761400	Lockwasher 1/4"	2	
	4751400	Flatwasher 1/4"	2	
	4300085	Stud (Welded on Part)	2	

—40	4460049	Connector, Strain Relief	1	
—41	4640375	Valve Assembly - FPS (Without Outriggers) (See Figure 2-9 for Breakdown)	1	
	4640516	Valve Assembly - FPS (With Outriggers) (See Figure 2-9 for Breakdown) (Attaching Parts)	1	
—42	3311601	Nut 3/8"-16NC	2	
—43	4761600	Lockwasher 3/8"	2	
	4300034	Stud (Welded on Part)	2	

—44	4360202	Switch, Toggle	1	
	3790012	O-Ring	1	
	4060229	Shield, Switch	1	
	1701538	Nameplate - Platform Extend	1	
—45	4360202	Switch, Toggle	1	
	3790012	O-Ring	1	

SECTION 2 — ILLUSTRATED PARTS LIST

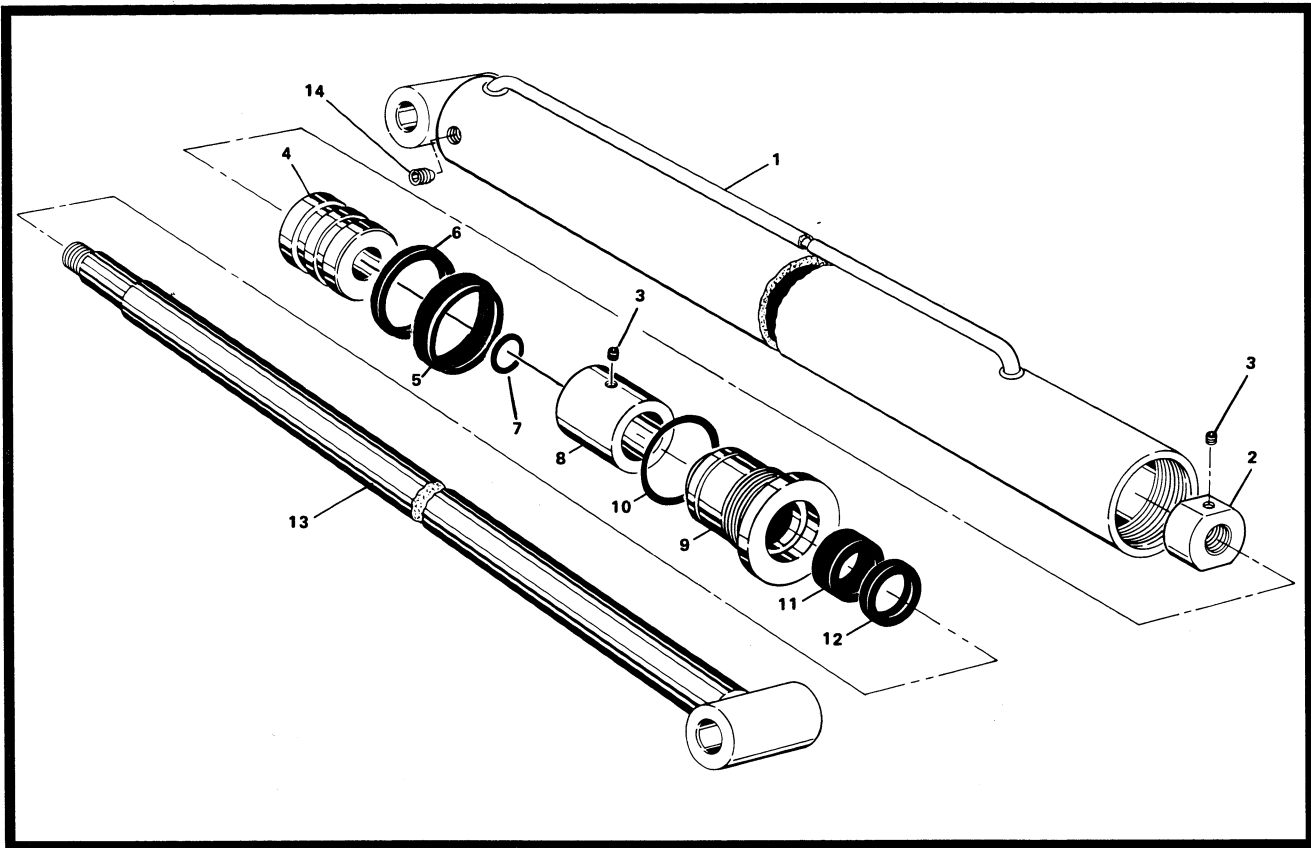


Figure 2-8. Extension Cylinder Assembly (Traversing Platform).

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—8	1681591	EXTENSION CYLINDER ASSEMBLY (TRAVERSING PLATFORM)	Ref.	B
—1	1681594	Barrel	1	
—2	3300184	Locknut, Special	1	
—3	3900141	Setscrew 1/4"-20NC x 3/8"	2	
	0100011	Loctite #242	A/R	
—4	3480123	Piston	1	
—5	Kit	Ring, Wear	1	
—6	Kit	Seal, Piston	1	
—7	Kit	O-Ring, Piston	1	
—8	4562720	Tube, Spacer	1	
—9	1681402	Head	1	
—10	Kit	O-Ring	1	
—11	Kit	Seal, Rod	1	
—12	Kit	Wiper, Rod	1	
—13	1681593	Rod Assembly	1	
—14	2200202	Plug, Pipe	4	
	0100020	Pipe, Sealant	A/R	
	2901121	Seal Kit (Includes Items 5,6,7,10,11 and 12)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

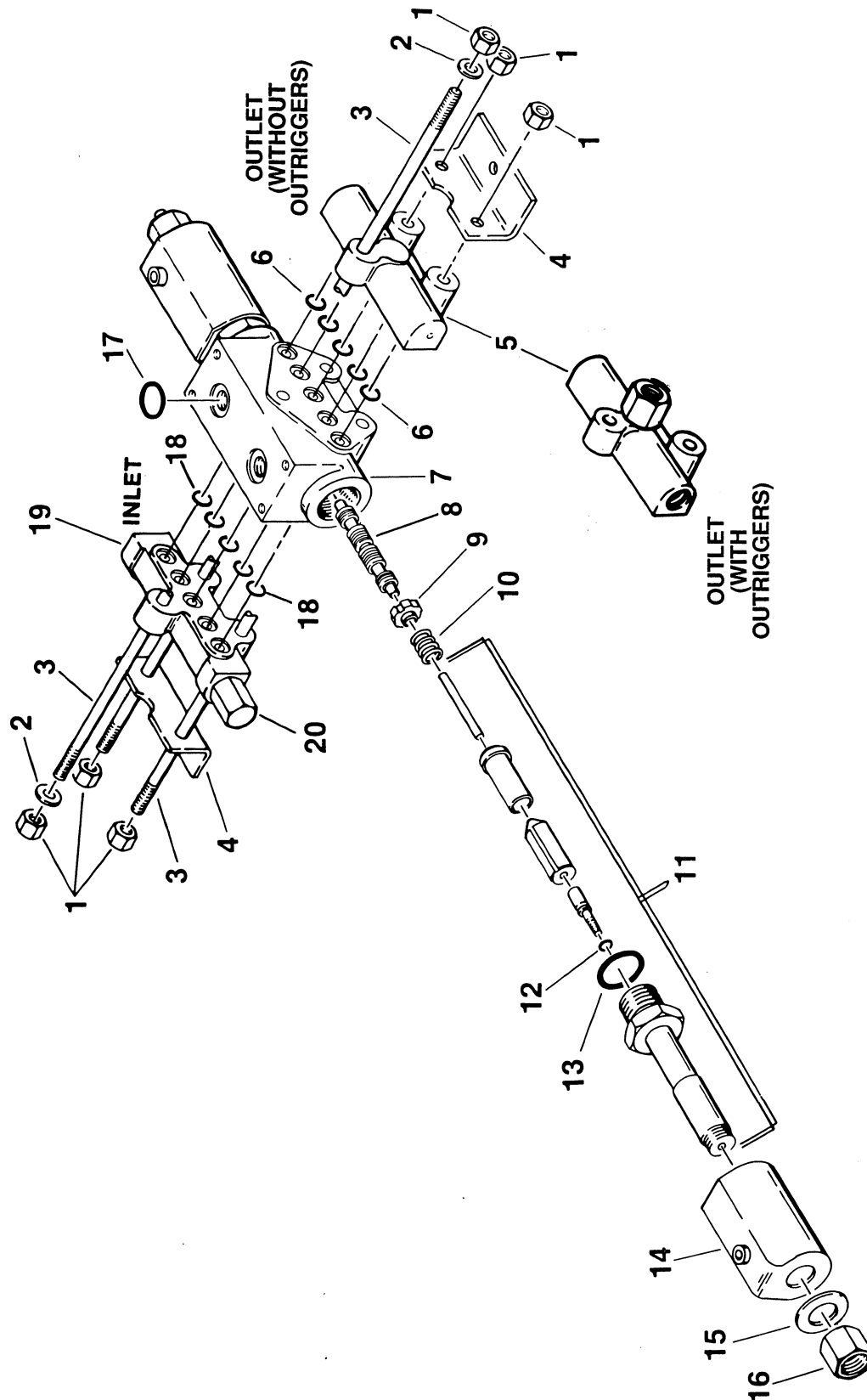


Figure 2-9. Valve Assembly - FPS (Traversing Platform).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—9	4640375	VALVE ASSEMBLY - FPS (TRAVERSING PLATFORM WITHOUT LEVELING JACKS)	Ref.	C
	4640516	VALVE ASSEMBLY - FPS (TRAVERSING PLATFORM WITH LEVELING JACKS)	Ref.	—
—1	7000585	Nut	6	
—2	7000586	Washer	2	
—3	7006043	Rod, Tie	3	
—4	7006039	Bracket, Mounting	2	
—5	7000600	Section, Valve - Outlet (Without Leveling Jacks)	1	
	7006042	Section, Valve - Outlet (With Leveling Jacks)	1	
—6	Kit	O-Ring	5	
—7	7006041	Section, Valve - Complete	1	
—8		Spool (Not Sold Separately)	1	
—9	7006037	Retainer, Spring	2	
—10	7006036	Spring	2	
—11	7006034	Tube Assembly	2	
—12	Kit	O-Ring	2	
—13	Kit	O-Ring	2	
—14	4640049	Coil, Solenoid	2	
—15		Nameplate (Not Sold Separately)	2	
—16	7006033	Nut	2	
—17	Kit	O-Ring	2	
—18	Kit	O-Ring	5	
—19	7006040	Section, Valve - Inlet	1	
—20	7006053	Relief, Inlet	1	
	7000549	Seal Kit - Single Section (Includes items 12,13,17 and 18.)	1	
	7006047	Seal Kit - Standard Outlet (Includes Item 6.) (4640375 Valve)	1	
	2900657	Seal Kit - Outlet With Power Beyond (4640516 Valve)	1	
	7000550	Seal Kit - Inlet Relief	1	

SECTION 2 — ILLUSTRATED PARTS LIST

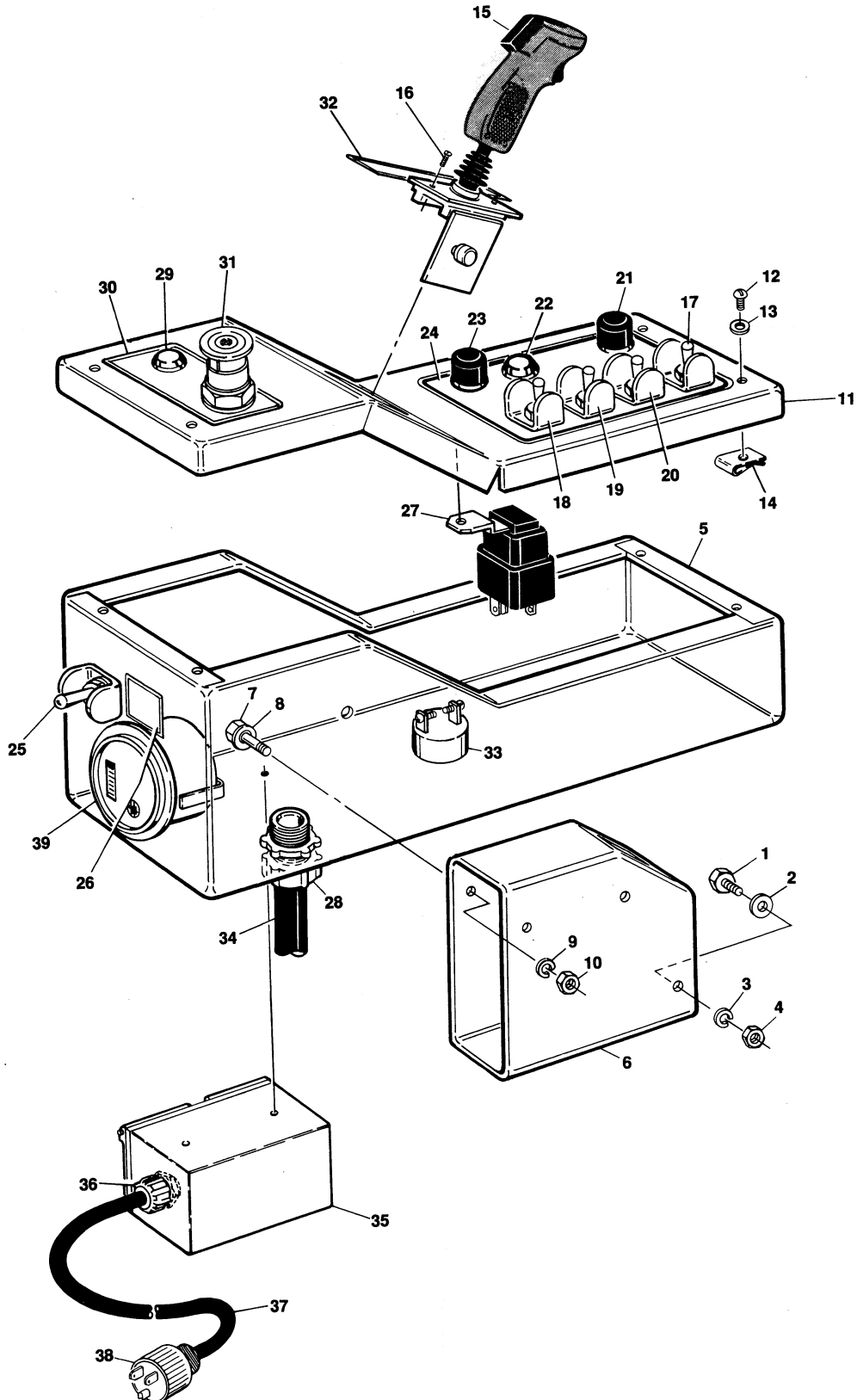


Figure 2-10. Platform Control Box Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—10	0251493	PLATFORM CONTROL BOX INSTALLATION (2WD MACHINES)	Ref.	—
	0251559	PLATFORM CONTROL BOX INSTALLATION (4WD MACHINES)	Ref.	—
	0251937	PLATFORM CONTROL BOX INSTALLATION (ELECTRIC MACHINES)	Ref.	—
	0251492	Control Box Assembly (2WD Machines)	1	C
	0251557	Control Box Assembly (4WD Machines)	1	B
	0251936	Control Box Assembly (Electric Machines) (Attaching Parts)	1	A
—1	0641406	Bolt 1/4"-20NC x 2/4"	3	
—2	4751400	Flatwasher 1/4"	6	
—3	4761400	Lockwasher 1/4"	3	
—4	3311401	Nut 1/4"-20NC	3	
—5	3532969	Box	1	
—6	4564494	Tube, Mounting (Attaching Parts)	1	
—7	0641408	Bolt 1/4"-20NC x 1"	3	
—8	4751400	Flatwasher 1/4"	6	
—9	4761400	Lockwasher 1/4"	3	
—10	3311401	Nut 1/4"-20NC	6	
—11	4843787	Lid (Attaching Parts)	1	
—12	0750806	Screw #8 x 3/4"	4	
—13	4740120	Washer, Nylon	4	
—14	3300177	Nut, Tinnerman	4	
—15	1600115	Controller (Attaching Parts)	1	
—16	3910808	Screw, Round Head #8-32 x 1 1/2"	2	
—17	4360199	Switch, Toggle - SPST (2WD/4WD Select) (4WD Machines)	1	
	4060229	Shield, Switch	1	
	3790012	O-Ring	1	
	3520028	Plug, Hole (2WD and Electric Machines)	1	
—18	4360199	Switch, Toggle - SPST (Pump Volume) (2WD and Electric Machines)	1	
	3790012	O-Ring	1	
	4060229	Shield	1	
	3520028	Plug, Hole (4WD Machines)	1	
—19	4360199	Switch, Toggle - SPST (Drive Speed) (2WD and Electric Machines)	1	
	4360203	Switch, Toggle - DPST (Drive Speed) (4WD)	1	
	3790012	O-Ring	1	
	4060229	Shield	1	
—20	4360199	Switch, Toggle - SPST (Engine Speed) (Gas and Diesel Machines)	1	
	3790012	O-Ring	1	
	4060229	Shield	1	
	3520028	Plug, Hole (Electric)	1	
—21	4360274	Switch, Push Button - SPST/MC (Start)	1	
	3520026	Plug, Hole (Electric)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—10		PLATFORM CONTROL BOX INSTALLATIONS (CONTINUED)	Ref.	
—22	2920026	Light, Indicator (Engine Distress) (Gas and Diesel Machines)	1	
	2920029	Bulb, Light	1	
	3520026	Wheelbase Deutz and Kohler Only		
		Plug, Hole (Electric Machines)	1	
—23	4360274	Switch, Push Button - SPST/MC (Horn)	1	
—24	1701452	Decal - Platform Controls	1	
—25	4360260	Switch, Toggle - DPDT/MC Center Off (Lift)	1	
	3790012	O-Ring	1	
	4060229	Shield	1	
—26	1701453	Decal - Lift	1	
—27	3740049	Relay (2WD Machines)	2	
	3740049	Relay (4WD Machines)	3	
	3740049	Relay (Electric Machines) (Attaching Parts)	2	
	3311401	Nut 1/4"-20NC	1	
	4761400	Lockwasher 1/4"	1	
—28	4460071	Connector	1	
	0960238	Bushing	1	
	3300048	Locknut, Electrical	1	
—29	2920026	Light, Indicator (Tilt)	1	
	2920029	Bulb, Light	1	
—30	1701489	Decal - Platform	1	
—31	4360289	Switch, Push-Pull (Emergency Stop)	1	
—32	1701454	Decal - Steering	1	
—33	0140019	Alarm, Sonalert	1	
—34	1060039	Cable, Electrical - 16/21 (CM25RT)	51 ft./15.5m	
	1060039	Cable, Electrical - 16/21 (CM33RT)	65 ft./19.8m	
	1060039	Cable, Electrical - 16/21 (CM40RT)	70 ft./21.3m	
		110V RECEPTACLE INSTALLATION	Ref.	
		220V RECEPTACLE INSTALLATION	Ref.	
—35	Supply Locally	Shield	1	
	Supply Locally	Receptacle	1	
	Supply Locally	Box, Switch	1	
—36	Supply Locally	Connector, Strain Relief	1	
—37	1060308	Cable, Electrical - 12/3 (110V) (CM25RT)	51 ft./15.5m	
	1060308	Cable, Electrical - 12/3 (110V) (CM33RT)	60 ft./18.3m	
	1060308	Cable, Electrical - 12/3 (110V) (CM40RT)	70 ft./21.3m	
	1060012	Cable, Electrical - 12/4 (220V) (CM25RT)	51 ft./15.5m	
	1060012	Cable, Electrical - 12/4 (220V) (CM33RT)	60 ft./18.3m	
	1060012	Cable, Electrical - 12/4 (220V) (CM40RT)	70 ft./21.3m	
—38	Supply Locally	Plug, Twist Lock - Male	1	
	0251319	BATTERY CAPACITY INDICATOR GAUGE INSTALLATION (ELECTRIC MACHINES OPTION)	Ref.	—
—39	2420075	Gauge, Battery Capacity Indicator	1	

SECTION 2 — ILLUSTRATED PARTS LIST

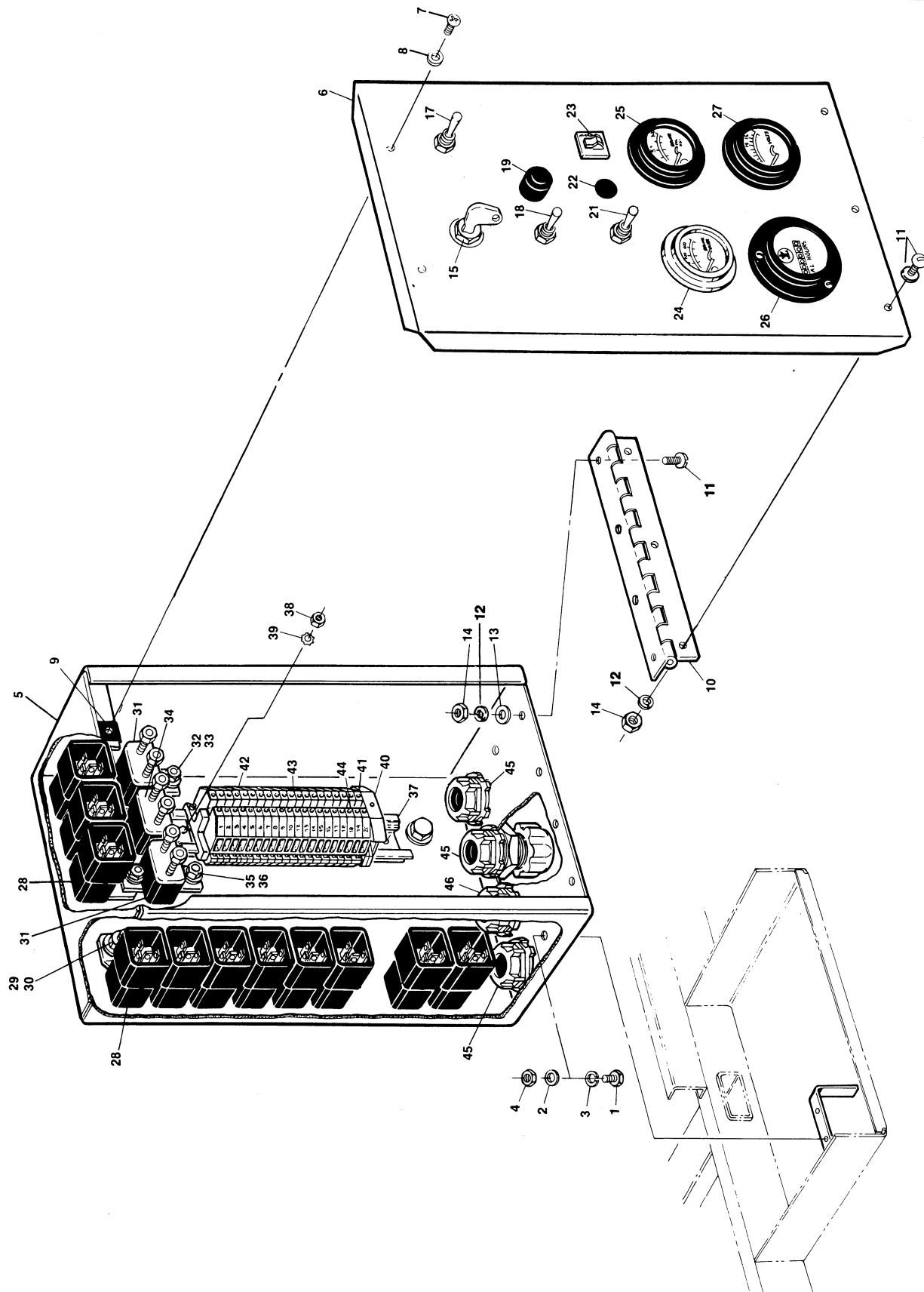


Figure 2-11. Ground Control Box Installations.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—11		GROUND CONTROL BOX INSTALLATION	Ref.	
	0251930	GROUND CONTROL BOX INSTALLATION (2WD FORD MACHINES)	Ref.	—
	0251931	GROUND CONTROL BOX INSTALLATION (4WD FORD MACHINES)	Ref.	—
	0251491	GROUND CONTROL BOX INSTALLATION (2WD DEUTZ MACHINES)	Ref.	—
	0251560	GROUND CONTROL BOX INSTALLATION (4WD DEUTZ MACHINES)	Ref.	—
	0251935	GROUND CONTROL BOX INSTALLATION (ELECTRIC MACHINES)	Ref.	—
	0251927	Ground Control Box Assembly (2WD Ford Machines)	1	B
	0251928	Ground Control Box Assembly (4WD Ford Machines)	1	B
	0251490	Ground Control Box Assembly (2WD Deutz Machines)	1	B
	0251558	Ground Control Box Assembly (4WD Deutz Machines)	1	C
	0860727	Ground Control Box Assembly (Electric Machines) (Attaching Parts)	1	A
—1	0641408	Bolt 1/4"-20NC x 1"	2	
—2	4751400	Flatwasher 1/4"	4	
—3	4761400	Lockwasher 1/4"	2	
—4	3311401	Nut 1/4"-20NC	2	
—5	4843375	Box, Control Gas and Diesel Machines)	1	
	4843902	Box, Control (Electric Machines)	1	
—6	3252064	Lid (Attaching Parts)	1	
—7	0750806	Screw #8 x 3/4"	2	
—8	4740120	Washer, Nylon	2	
—9	3300177	Nut, Tinnerman	2	
	4420037	Strip, Rubber (Not Shown)	.92m	
—10	2600161	Hinge (Attaching Parts)	1	
—11	3911008	Screw #10-24NC x 1/2"	7	
	4740120	Washer, Nylon (Not Shown)	3	
—12	4761000	Lockwasher #10	4	
—13	4751000	Flatwasher #10	4	
—14	3311001	Nut #10-24NC	7	
—15	4360284	Switch, Key (Select)	1	
	4360267	Switch, Block	1	
	4360281	Switch, Block (Gas and Diesel Machines)	1	
	4360281	Switch, Block (Electric Machines)	3	
—16	Not Used			
—17	4360201	Switch, Toggle - DPDT Center Off (With Dual Fuel)	1	
	3790012	O-Ring	1	
—18	4360199	Switch, Toggle - SPST (Ignition/Emergency Stop) (Gas and Diesel Machines)	1	
	3790012	O-Ring	1	
	3520028	Plug, Hole (Electric Machines)	1	
—19	4360274	Switch, Push Button - SPST M/C (Start) (Gas and Diesel Machines)	1	
	3520026	Plug, Hole (Electric Machines)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

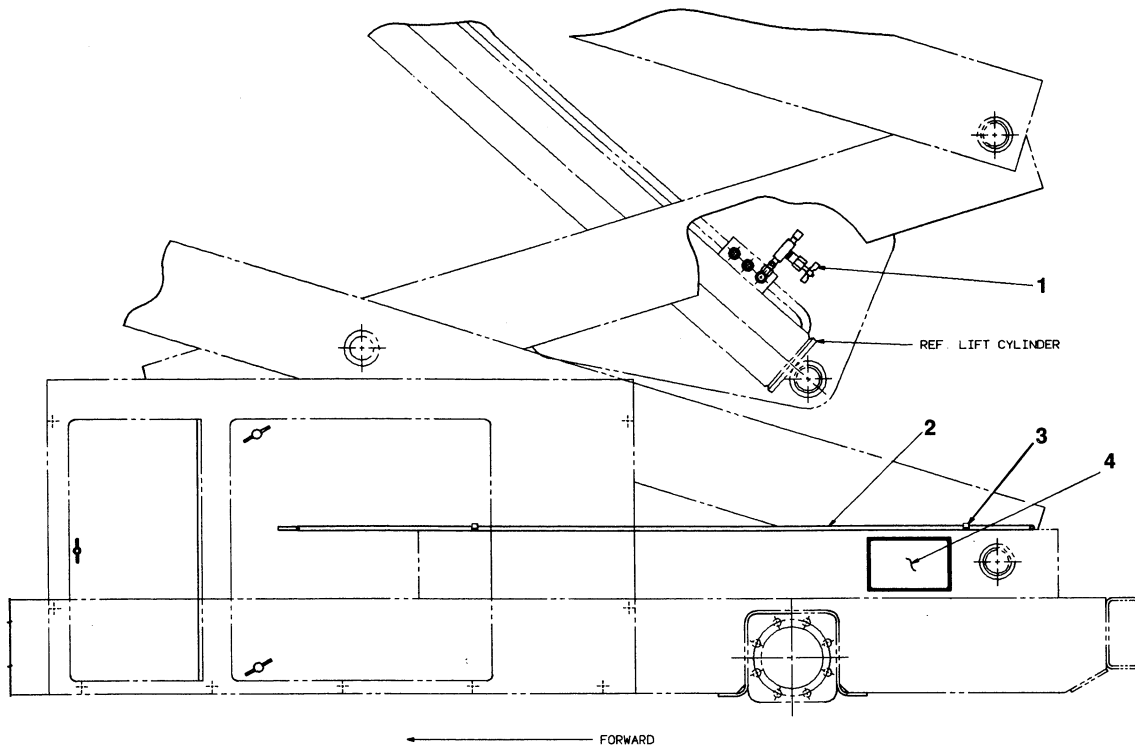
FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—11		GROUND CONTROL BOX INSTALLATIONS (CONTINUED)	Ref.	
—20	Not Used			
—21	4360198	Switch, Toggle - SPDT M/C Center Off (Lift)	1	
	3790012	O-Ring	1	
—22	3520028	Plug, Hole (Standard)	1	
	4360202	Switch, Toggle - DPDT M/C Center Off (Traverse) (Use with Optional Traversing Platform)	1	
	3790012	O-Ring	1	
—23	4360212	Breaker, Circuit - 3 Amp (Deutz Machines)	1	
	3520026	Plug, Hole (Ford and Electric Machines)	1	
—24	2420143	Gauge, Water Temperature (Ford Machines)	1	
	2420126	Sender, Water Temperature (Ford Machines)	1	
	3520070	Plug, Hole (Deutz and Electric Machines)	1	
—25	2420144	Gauge, Oil Pressure (Ford) Machines)	1	
	2420111	Gauge, Oil Pressure (Deutz Machines)	1	
	2420110	Sender, Oil Pressure (Deutz Only)	1	
	3520070	Plug, Hole (Electric Machines)	1	
—26	2420009	Hourmeter	1	
—27	2420091	Voltmeter (Ford and Deutz Machines)	1	
	3520070	Plug, Hole (Electric Machines)	1	
—28	3740049	Relay - SPST (2WD Ford Machines)	11	
	3740049	Relay - SPST ((2WD Deutz Machines)	12	
	3740049	Relay - SPST (4WD Machines)	14	
	3740049	Relay - SPST (Electric Machines) (Attaching Parts)	7	
—29	3311401	Nut 1/4"-20NC	1	
—30	4761400	Lockwasher 1/4"	1	
	1701459	Decal, Relay Function (Gas and Diesel Machines)	1	
	1701537	Decal, Relay Function (Electric Machines)	1	
—31	4360232	Breaker, Circuit - 15 Amp (Gas and Diesel Machines)	2	
	4360232	Breaker, Circuit - 15 Amp (Electric Machines) (Attaching Parts)	5	
—32	3311001	Nut #10-24NC	2	
—33	4751000	Flatwasher #10	2	
	4761000	Lockwasher #10	2	
—34	4360216	Breaker, Circuit - 30 Amp (Gas and Diesel Only) (Attaching Parts)	1	
—35	3311001	Nut #10-24NC	1	
—36	4751000	Flatwasher #10	1	
	4761000	Lockwasher #10	1	
—37	3640621	Rail (Attaching Parts)	1	
—38	3310601	Nut #6-32NC	2	
—39	4770600	Starwasher #6	2	
—40	4460299	Stop, Terminal	2	
—41	4460300	Barrier, Terminal	1	
—42	4460298	Block, Terminal (Gas and Diesel Machines)	24	
	4460298	Block, Terminal (Electric Machines)	21	
—43	4460301	Strip, Terminal Marker	1	
—44	4460309	Bar, Buss - 3 Position (Gas and Diesel Machines)	1	
	4460308	Bar, Buss - 2 Position (Electric Machines) (Attaching Parts)	3	
	4460305	Screw	3	
	4460306	Washer	3	

SECTION 2 — ILLUSTRATED PARTS LIST

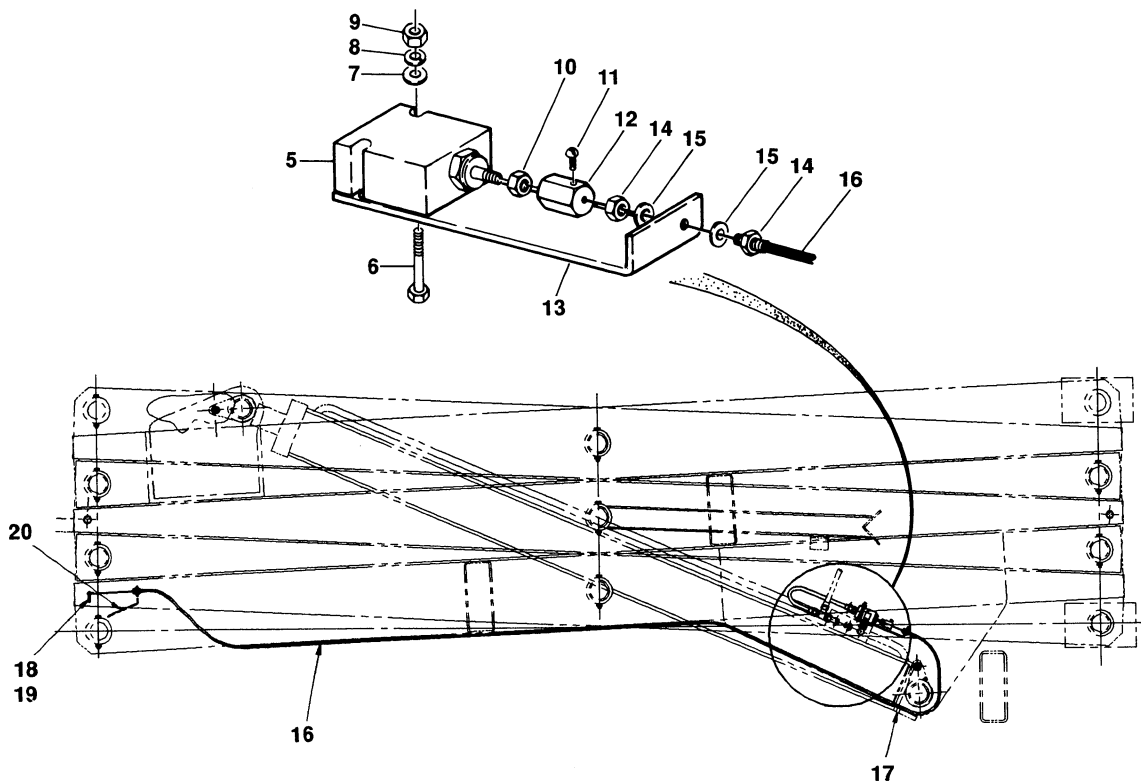
FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—11		GROUND CONTROL BOX INSTALLATION (CONTINUED)	Ref.	
	4460307	Sleeve	3	

—45	4460051	Connector	3	
	0960238	Bushing	3	
	3300048	Locknut, Conduit	3	
—46	4460071	Connector	1	
	0960238	Bushing	1	
	3300048	Locknut, Conduit	1	

SECTION 2 — ILLUSTRATED PARTS LIST



DESIGN A



DESIGN B

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—12		MANUAL DESCENT/EMERGENCY LOWERING INSTALLATIONS	Ref.	
	0251181	MANUAL LOWERING INSTALLATION (DESIGN A - PRIOR TO MARCH 1991)	Ref.	—
—1	4640128	Valve, Flow Control	1	
—2	4843702	Tool, Operating (Shown in Stowed Position)	1	
—3	1380135	Clip, Gripper	1	
—4	3252024	Decal - Lowering Operation	1	
	0251791	MANUAL LOWERING INSTALLATION (DESIGN B - MARCH 1991 TO PRESENT)	Ref.	A
—5	4640699	Valve, Pull (Attaching Parts)	1	
—6	0641416	Bolt 1/4"-20NC x 2"	2	
—7	4751400	Flatwasher 1/4"	2	
—8	4761400	Lockwasher 1/4"	2	
—9	3311401	Nut 1/4"-20NC	2	
	2900503	Seal Kit	1	
—10	3311402	Nut, Jam 1/4"-20NC	1	
—11	0080190	Adapter	1	
—12	3911008	Screw, Round Head #10-24NC x 1/2"	1	
—13	0901767	Bracket, Cable	1	
—14	3321402	Nut, Jam 1/4"-28NF	2	
—15	4751400	Flatwasher 1/4"	2	
—16	1060377	Cable	1	
—17	4240018	Strap, Tie	1	
—18	3760170	Ring	1	
—19	3841127	Rod	1	
—20	1701437	Decal - Lowering Operation	1	

SECTION 2 — ILLUSTRATED PARTS LIST

NOTE: LOCATION OF VALVES MAY VARY.

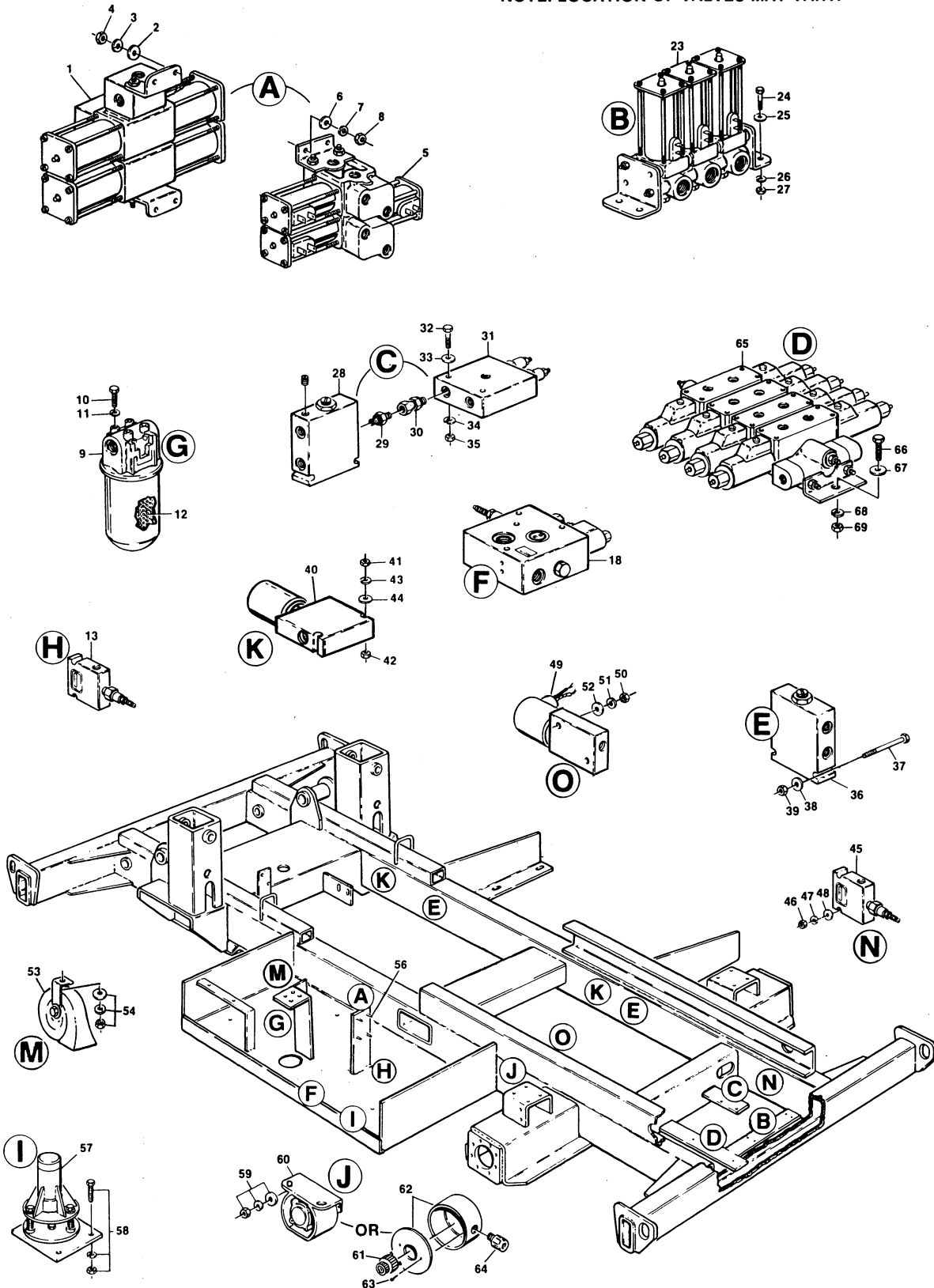


Figure 2-13. Control Valves and Alarms Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—13		CONTROL VALVES AND ALARMS INSTALLATION	Ref.	
	0250803	CONTROL VALVES INSTALLATION (FORD AND DEUTZ) (2WD)	Ref.	E
	0251009	CONTROL VALVES INSTALLATION (FORD AND DEUTZ) (4WD)	Ref.	D
	0251851	CONTROL VALVES INSTALLATION (ELECTRIC)	Ref.	C
—1	4640597	Valve Assembly - 2 Stack Racine (See Figure 2-14 for Breakdown) (Attaching Parts)	1	
—2	3311601	Nut 3/8"-16NC	4	
—3	4761600	Lockwasher 3/8"	4	
—4	4751600	Flatwasher 3/8"	4	
—5	4640399	Valve Assembly - 2 Stack Racine (See Figure 2-15 for Breakdown)	1	
	4640695	Valve Assembly - 2 Stack Racine (French Spec Only Built Prior to September 1991) (See Figure 2-15 for Breakdown) (Attaching Parts)	1	
—6	3311601	Nut 3/8"-16NC	4	
—7	4761600	Lockwasher 3/8"	4	
—8	4751600	Flatwasher 3/8"	4	
—9	2120109	Filter Assembly (Attaching Parts)	1	
—10	0641506	Bolt 5/16"-18NC x 3/4"	4	
—11	4761500	Lockwasher 5/16"	4	
—12	2120110	Element	1	
—13	4640533	Valve, Sequence	1	
	7010529	Cartridge	2	
	2900698	Seal Kit	1	
—14	Not Used			
—15	Not Used			
—16	Not Used			
—17	Not Used			
—18	4640598	Valve Assembly - Modular Control (See Figure 2-16 for Breakdown)	1	
—19	Not Used			
—20	Not Used			
—21	Not Used			
—22	Not Used			
—23	4640385	Valve Assembly - 3 Stack Racine (4WD Only) (See Figure 2-16 for Breakdown) (Attaching Parts)	1	
—24	0641608	Bolt 3/8"-16NC x 1"	4	
—25	4751600	Flatwasher 3/8"	4	
—26	4761600	Lockwasher 3/8"	4	
—27	3311601	Nut 3/8"-16NC	4	
—28	4640260	Valve, Flow Divider	1	
	2200235	Plug, Pipe	1	
—29	2220594	Fitting, Straight	1	
—30	2220435	Fitting, Straight	1	
—31	4640529	Valve, Counterbalance (Attaching Parts)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—13		CONTROL VALVES AND ALARMS INSTALLATION (CONTINUED)	Ref.	
—32	0641620	Bolt 3/8"-16NC x 2 1/2"	2	
—33	4751600	Flatwasher 3/8"	2	
—34	4761600	Lockwasher 3/8"	2	
—35	3311601	Nut 3/8"-16NC	2	

	7004292	Cartridge	2	
	7004293	Seal Kit	1	
—36	4640588	Valve, Flow Divider (4WD Machines Only) (Attaching Parts)	2	
—37	0641536	Bolt 5/16"-18NC x 4 1/2"	2	
—38	4751500	Flatwasher 5/16"	2	
—39	3311501	Nut 5/16"-18NC	2	

	7010510	Cartridge	1	
	7009739	Seal Kit	1	
—40	4640540	Valve, Modular (4WD Only) (Attaching Parts)	2	
—41	3311401	Nut 1/4"-20NC	2	
—42	3311501	Nut 5/16"-18NC (Used as a Spacer)	2	
—43	4761401	Lockwasher 1/4"	2	
—44	4711401	Flatwasher 1/4" Narrow	2	
	4300036	Stud (Welded on Part)	2	

	7010528	Cartridge	1	
	7009745	Coil	1	
	2900503	Seal Kit	1	
—45	4640632	Valve, Pressure Reducing (Attaching Parts)	1	
—46	3311401	Nut 1/4"-20NC	2	
—47	4761400	Lockwasher 1/4"	2	
—48	4751400	Flatwasher 1/4"	2	

	4640523	Cartridge	1	
	2900698	Seal Kit	1	
—49	4640123	Valve, Solenoid (Attaching Parts)	1	
—50	3311401	Nut 1/4"-20NC	2	
—51	4761400	Lockwasher 1/4"	2	
—52	4751400	Flatwasher 1/4"	2	

	7004368	Coil (Hydraforce Version)	1	
	7000558	Coil (FPS Version)	1	
—53	0140028	Horn (Console Box Operated) (Electric Machines Only) (Attaching Parts)	1	
—54	3311401	Nut 1/4"-20NC	1	
	4761400	Lockwasher 1/4"	1	
	4751400	Flatwasher 1/4"	1	
	4300031	Stud (Welded on Part)	1	

—55	Not Used 3534228	Plate, Cover - Valve (Located at Rear Center - Not Shown)	1	
—56	0901684	Bracket, Valve Mounting (Attaching Parts)	1	
	0641610	Bolt 3/8"-16NC x 1 1/4"	2	
	4751600	Flatwasher 3/8"	2	
	4751600	Lockwasher 3/8"	2	
	3311601	Nut 3/8"-16NC	2	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—13		CONTROL VALVES AND ALARMS INSTALLATION (CONTINUED)	Ref.	
	0251416	TILT INDICATOR INSTALLATION	Ref.	A
—57	4360280	Sensor, Level (Attaching Parts)	1	
—58	0641406	Bolt 1/4"-20NC x 3/4"	3	
	4761400	Lockwasher 1/4"	3	
	3311401	Nut 1/4"-20NC	3	

	0250408	MOTION ALARM INSTALLATION (GAS AND DIESEL)	Ref.	C
	0250407	DESCENT ALARM INSTALLATION (GAS AND DIESEL)	Ref.	B
	0250406	TRAVEL ALARM INSTALLATION (GAS AND DIESEL)	Ref.	C
—59	0140024	Alarm, Horn (Attaching Parts)	1	
—60	3311501	Nut 5/16"-18NC	2	
	4761500	Lockwasher 5/16"	2	
	4751500	Flatwasher 5/16"	2	
	4300038	Stud (Welded on Parts)	2	

	0250719	MOTION ALARM INSTALLATION (ELECTRIC)	Ref.	A
	0250718	DESCENT ALARM INSTALLATION (ELECTRIC)	Ref.	A
	0250717	TRAVEL ALARM INSTALLATION (ELECTRIC)	Ref.	A
—61	0140026	Alarm, Horn	1	
—62	0860617	Box Assembly (Attaching Parts)	1	
—63	3941406	Screw, Self-Tapping 1/4" x 3/4"	2	
—64	4460049	Connector, Strain Relief	1	
	3300047	Nut, Conduit	1	
	0250152	CONTROL VALVES INSTALLATION (LEVELING JACK OPTION)	Ref.	—
—65	4640352	Valve Assembly - 4 Stack F.P.S. (See Figure 2-18 for Breakdown) (Attaching Parts)	1	
—66	0641608	Bolt 3/8"-16NC x 1"	2	
—67	4751600	Flatwasher 3/8"	2	
—68	4761600	Lockwasher 3/8"	2	
—69	3311601	Nut 3/8"-16NC	2	

SECTION 2 — ILLUSTRATED PARTS LIST

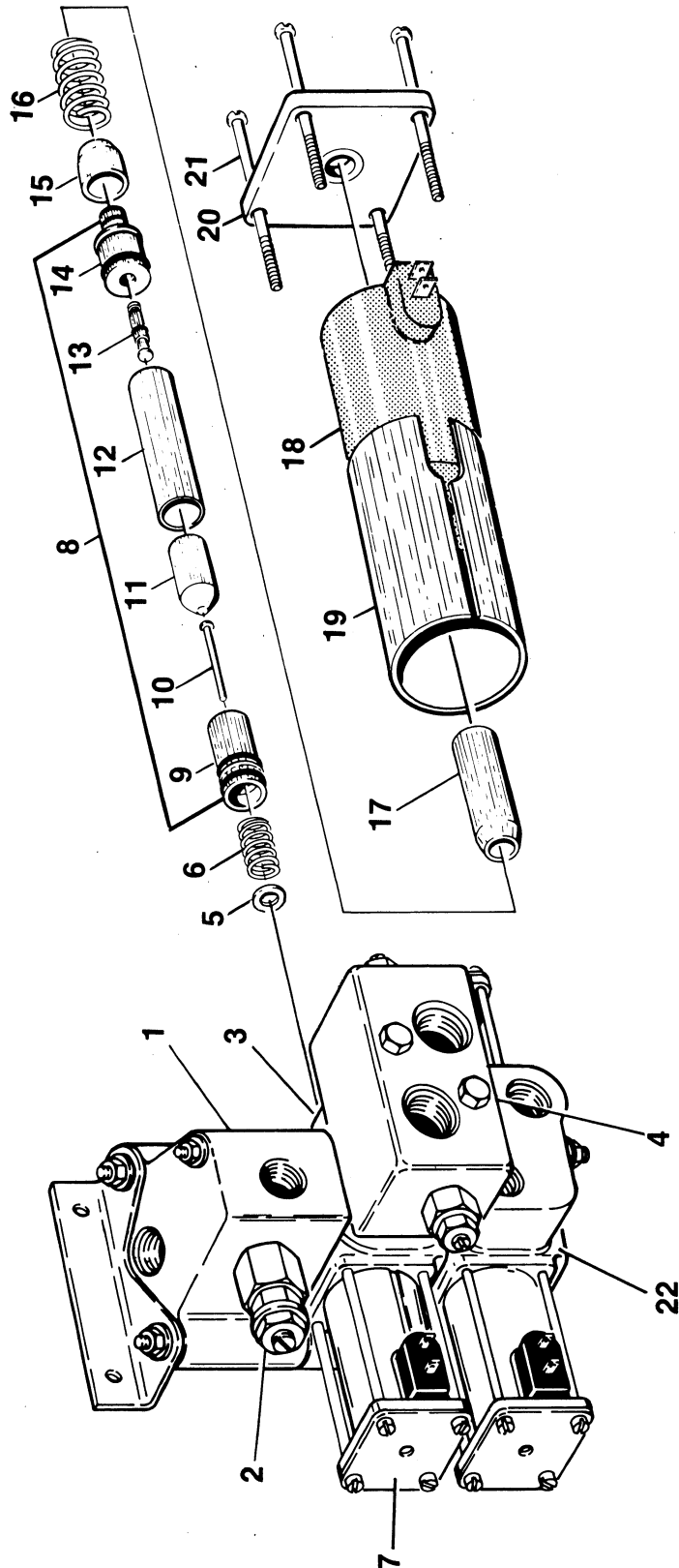


Figure 2-14. Valve Assembly - Racine 2 Stack.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—14	4640597	VALVE ASSEMBLY - RACINE 2 STACK	Ref.	A
—1	7002254	Inlet Relief Section Assembly	1	
—2	7000447	Cartridge	1	
—3	7000466	Valve Section - Complete	1	
—4	7000468	Relief Valve Block Assembly (No Longer Field Serviceable)	1	
—5	7002274	Washer	2	
—6	7002273	Spring	2	
—7		Solenoid Assembly	2	
—8	7004821	Guide Tube Assembly	1	
—9	7003830	Female Cone/O-Ring Assembly	1	
—10	7002346	Pin, Push	1	
—11	7002344	Plunger	1	
—12	7000470	Tube, Guide	1	
—13	7003829	Actuator Pin/Quad Ring Assembly	1	
—14	7003831	Pin Guide/O-Ring Assembly	1	
—15	7002333	Sleeve, Inner Flux	1	
—16	7002334	Spring	1	
—17	7002336	Sleeve, Outer Flux	1	
—18	7000418	Coil	1	
—19	7002335	Case, Solenoid	1	
—20	7002338	Plate, End	1	
—21	7002339	Screw	4	
—22	7003860	Valve Section - Complete (Refer to Items 5-21 for Serviced Parts)	1	
	7000414	Seal Kit - Working Section	2	
	7000413	Seal Kit - Inlet Relief	1	
	7002265	Mounting Hardware Kit	1	

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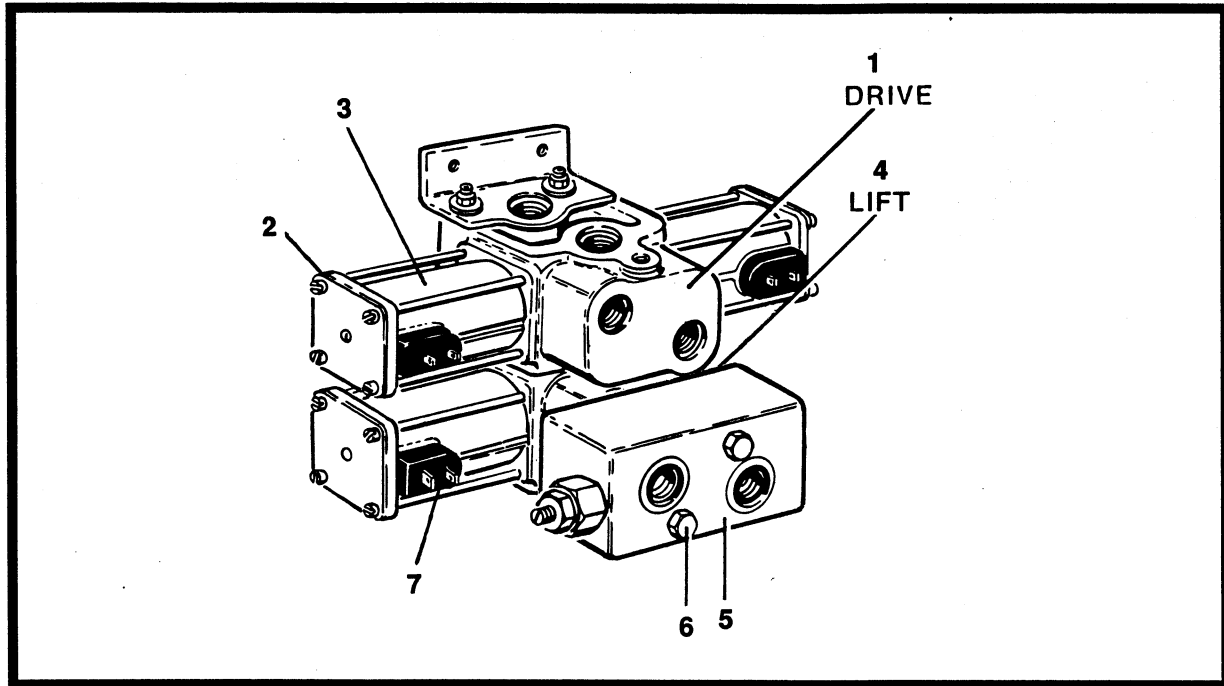


Figure 2-15. Control Valve Assembly - Racine 2 Stack.

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—15	4640399 4640695	CONTROL VALVE ASSEMBLY - RACINE 2 STACK CONTROL VALVE ASSEMBLY - RACINE 2 STACK (FRENCH SPEC BUILT PRIOR TO SEPTEMBER 1991 ONLY)	Ref. Ref.	B —
—1	7004894 7003827 7003825 7002348	Section Assembly - Complete (Drive) Spool Washer, Hat Spring	1 1 2 2	
—2	7004896	Guide Tube Assembly	2	
—3	7000418	Coil - 12VDC	2	
—4	7004895 7003868	Section Assembly - Complete (Lift) Section Assembly - Complete (Lift) (French Spec Built Prior to September 1991 Only)	1 1	
—5	7003866	Valve, Crossover Relief (French Spec Built Prior to September 1991 Only) (Attaching Parts)	1	
—6	7002259	Screw	2	
—7	7000418 7002347 7000448 7004893	Coil - 12VDC O-Ring, Square (Small) (Located Between Sections) O-Ring, Square (Large) (Located Between Sections) Stacking Kit (Includes Brackets and Assembly Hardware)	1 1 1 1	
Note: For French Spec Machines built after September 1991 refer to Figure 2-43.				

SECTION 2 — ILLUSTRATED PARTS LIST

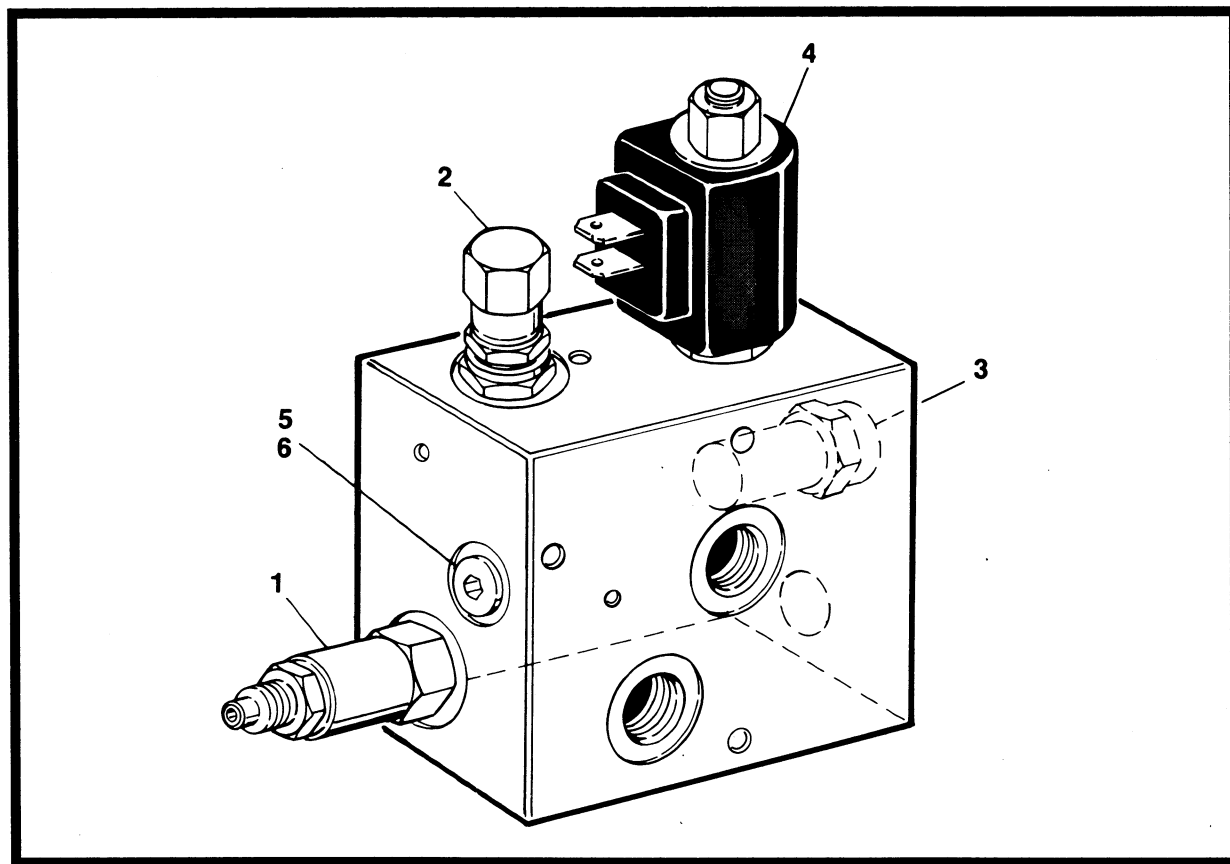


Figure 2-16. Valve Assembly - Modular Controls.

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—16	4640598	VALVE ASSEMBLY - MODULAR CONTROLS	Ref.	A
—1	7010511	Cartridge, Pressure Sensing	1	
—2	7010512	Cartridge, Relief	1	
—3	7010513	Cartridge, Modulating Orifice Spool	1	
—4	7010514	Cartridge, Electric/Hydraulic Relief	1	
	7009742	Coil - 12VDC	1	
	7010516	Nut	1	
—5	7010515	Orifice	1	
—6	7004232	Plug	1	
	2900735	Seal Kit (Item 1)	1	
	2900503	Seal Kit (Items 2 and 4)	2	
	2900736	Seal Kit (Item 3)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

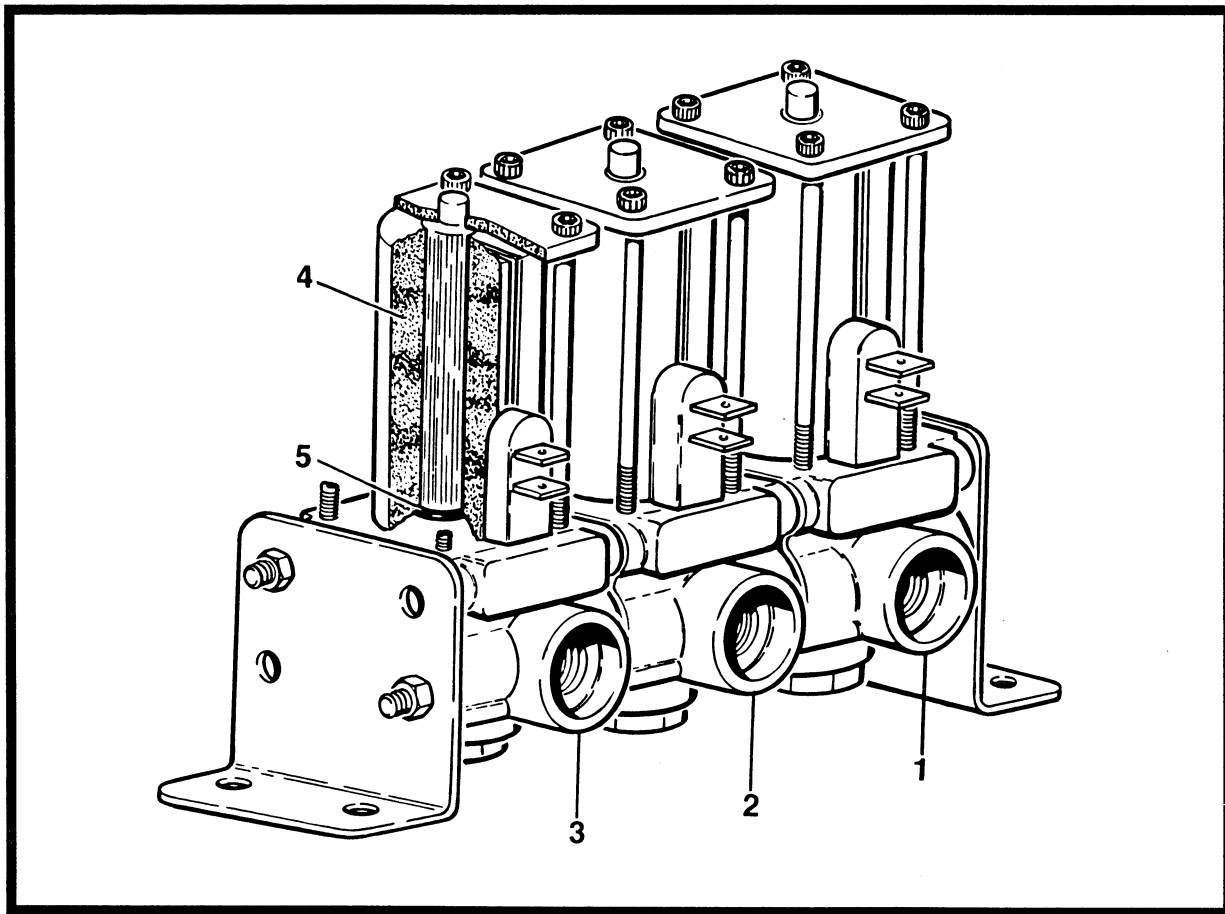


Figure 2-17. Valve Assembly - Racine 3 Stack (4WD Only).

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—17	4640385	VALVE ASSEMBLY - RACINE 3 STACK (4WD ONLY)	Ref.	—
—1	7003844	Valve Section	1	
—2	7003843	Valve Section	1	
—3	7003842	Valve Section	1	
—4	7000417	Coil	3	
—5	7002310	O-Ring	4	

SECTION 2 — ILLUSTRATED PARTS LIST

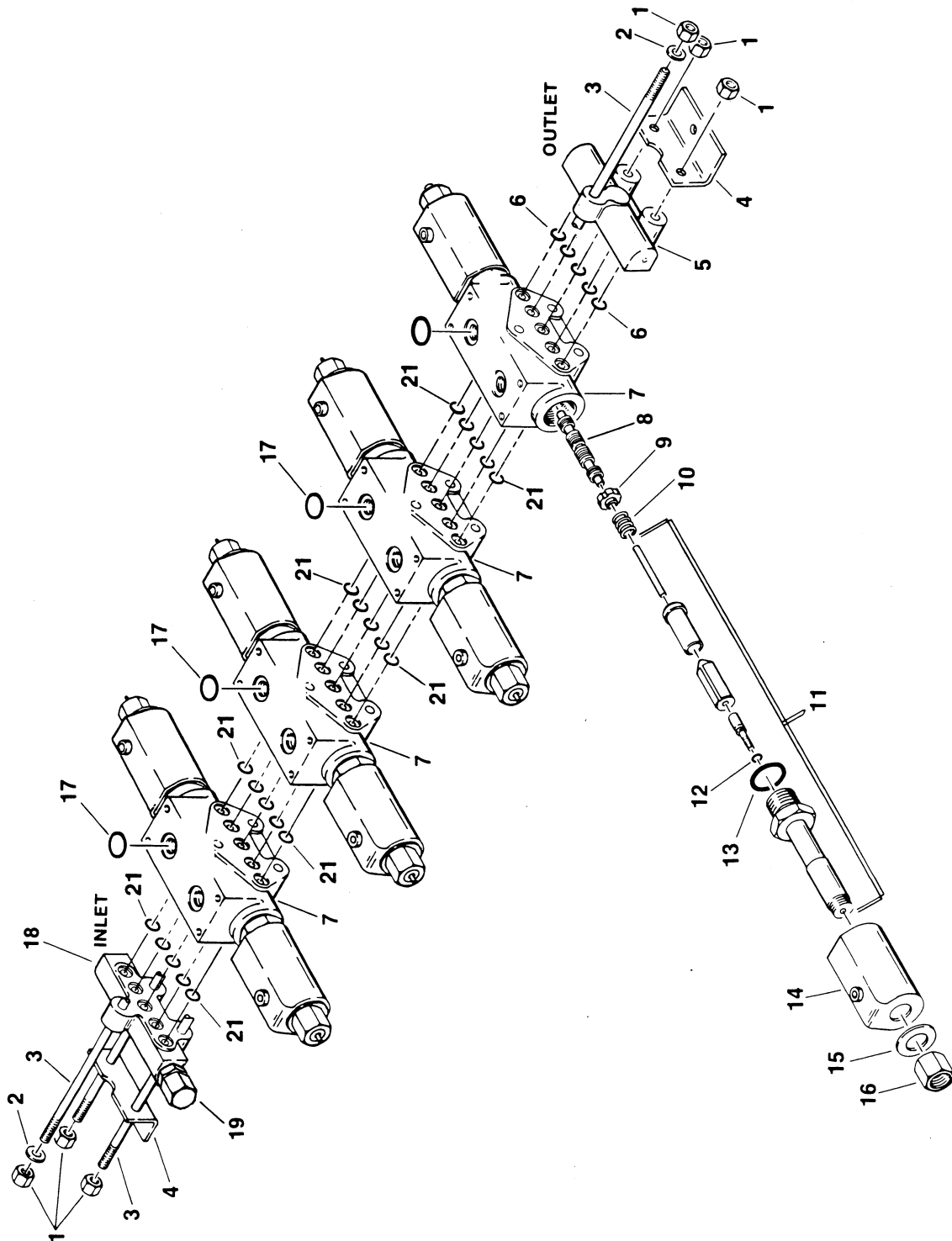


Figure 2-18. Valve Assembly - FPS 4 Stack (Level Jacks Option Only).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—18	4640352	VALVE ASSEMBLY - FPS 4 STACK (LEVELING JACKS OPTION ONLY)	Ref.	B
—1	7000585	Nut	6	
—2	7000586	Washer	2	
—3	7006002	Rod, Tie	3	
—4	7006039	Bracket, Mounting	2	
—5	7006056	Section, Valve - Outlet	1	
—6	Kit	O-Ring	5	
—7	7006041	Section, Valve - Complete	4	
—8		Spool (Not Sold Separately)	1	
—9	7006037	Retainer, Spring	2	
—10	7006036	Spring	2	
—11	7006034	Tube Assembly	2	
—12	Kit	O-Ring	2	
—13	Kit	O-Ring	2	
—14	4640049	Coil, Solenoid	2	
—15		Nameplate (Not Sold Separately)	2	
—16	7006033	Nut	2	
—17	Kit	O-Ring	2	
—18	7006056	Section, Valve - Inlet	1	
—19	7006053	Cartridge, Relief	1	
—20	Not Used			
—21	Kit	O-Ring	20	
	7000549	Seal Kit - Single Section (Includes Items 12,13,17 and 21)	5	
	7006062	Seal Kit - Standard Outlet (Includes Item 6)	1	

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SECTION 2 — ILLUSTRATED PARTS LIST

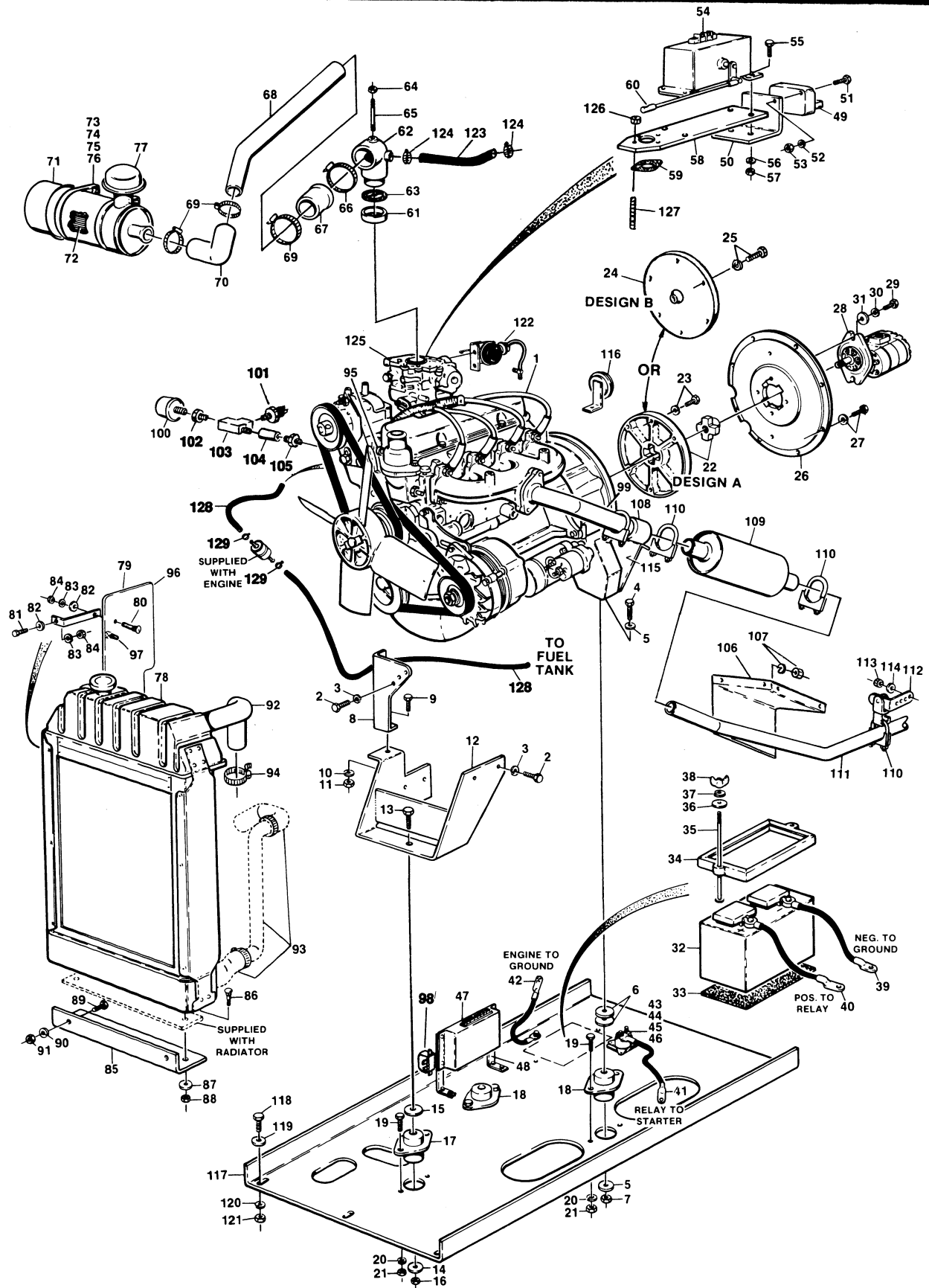


Figure 2-19. Ford Engine Installation - VSG-411.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—19	0250955	FORD ENGINE INSTALLATION - VSG-411	Ref.	D
—1	2000109	Engine - Ford VSG-411 (Attaching Parts)	1	
—2	0701014	Bolt 10MM x 30MM (Front)	5	
—3	4831000	Lockwasher 10MM (Front)	5	
—4	0641727	Bolt 7/16"-14NC x 3 3/8" (Rear)	2	
—5	4751700	Flatwasher 7/16" (Rear)	4	
—6	4740273	Flatwasher, Special (Rear)	2	
—7	3311705	Locknut 7/16"-14NC (Rear)	2	
—8	3533291	Plate, Engine Mount (Front - Top) (Attaching Parts)	1	
—9	0641812	Bolt 1/2"-13NC x 1 1/2"	1	
—10	4761800	Lockwasher 1/2"	1	
—11	3311801	Nut 1/2"-13NC	1	
—12	4843497	Bracket, Engine Mount (Front - Bottom) (Attaching Parts)	2	
—13	0641826	Bolt 1/2"-13NC x 3 1/4"	1	
—14	4751800	Flatwasher 1/2"	1	
—15	4740274	Flatwasher, Special	1	
—16	3311805	Locknut 1/2"-13NC	1	
—17	3200201	Mount, Motor (Front)	1	
—18	3200202	Mount, Motor (Rear) (Attaching Parts)	2	
—19	0641608	Bolt 3/8"-16NC x 1"	1	
—20	4761600	Lockwasher 3/8"	1	
—21	3311601	Nut 3/8"-16NC	1	
	0239972	Coupling Installation - Love Joy (Design A)	1	—
	0250595	Coupling Installation - Hayes (Design B)	1	—
—22	1660176	Coupling, Love Joy (Design A) (Attaching Parts)	1	
—23	0641510	Bolt 5/16"-18NC x 1 1/4"	6	
	4761500	Lockwasher 5/16"	6	
—24	1660182	Coupling, Hayes (Design B) (Attaching Parts)	1	
—25	0641507	Bolt 5/16"-18NC x 7/8"	6	
	4761500	Lockwasher 5/16"	6	
	3020021	Grease	A/R	
—26	0080169	Plate, Adapter (Attaching Parts)	1	
—27	0641610	Bolt 3/8"-16NC x 1 1/4"	8	
	4761600	Lockwasher 3/8"	8	
—28	3600145	Pump Assembly (Not Field Serviceable) (Attaching Parts)	1	
—29	0641608	Bolt 3/8"-16NC x 1"	2	
—30	4761600	Lockwasher 3/8"	2	
—31	4751600	Flatwasher 3/8"	2	
	2900660	Shaft Seal Kit	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—19		FORD ENGINE INSTALLATION - VSG-411 (CONTINUED)	Ref.	
—32	0400003	Battery	1	
—33	3980003	Masonite	1	
—34	0400002	Hold-Down, Battery (Attaching Parts)	1	
—35	0630370	Rod, Tie-Down	2	
—36	4751600	Flatwasher 3/8"	2	
—37	4761600	Lockwasher 3/8"	2	
—38	3300029	Wingnut 3/8"-16NC	2	
—39	1060046	Cable, Battery (Negative to Ground)	1	
—40	1060154	Cable, Battery (Positive to Relay)	1	
—41	1060080	Cable, Battery (Relay to Starter)	1	
—42	1060221	Cable, Battery (Engine to Ground)	1	
—43	3740059	Relay (Ford Start) (When Equipped) (Attaching Parts)	1	
—44	0641408	Bolt 1/4"-20NC x 1"	2	
—45	4761400	Lockwasher 1/4"	2	
—46	3311401	Nut 1/4"-20NC	2	
	3300220	Nut Special (Not Shown)	2	
—47	1600117	Box, Control - Precision Governor (Attaching Parts)	1	
	3911012	Screw, Machine #10-24NC x 3/4"	4	
	4751000	Flatwasher #10	4	
	4761000	Lockwasher #10	4	
	3311001	Nut #10-24NC	4	
	0100009	Adhesive	A/R	
—48	0901419	Bracket, Box (Attaching Parts)	2	
	4761400	Lockwasher 1/4"	2	
	4751400	Flatwasher 1/4"	2	
—49		ESC Unit (Supplied With Engine) (Attaching Parts)	1	
—50	0901614	Bracket, Mounting (When Equipped)	1	
—51	3911007	Screw, Machine #10-24NC x 7/8"	2	
—52	4761000	Lockwasher #10	2	
—53	3311001	Nut #10-24NC	2	
—54	2500005	Actuator, Precision Governor (Attaching Parts)	1	
—55	0641410	Bolt 1/4"-20NC x 1 1/4"	4	
—56	4761400	Lockwasher 1/4"	4	
—57	3311401	Nut 1/4"-20NC	4	
—58	3533445	Bracket, Mounting	1	
—59	3960392	Gasket	1	
—60	3841049	Rod, Throttle	1	
	1660157	Joint, Ball	2	
	3321402	Nut, Jam 1/4"-28NF	2	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—19		FORD ENGINE INSTALLATION - VSG-411 (CONTINUED)	Ref.	
—61	0080092	Adapter, Carburetor	1	
—62	0080175	Adapter, Air Intake (Attaching Parts)	1	
—63	3960388	Gasket	1	
—64	3311405	Locknut 1/4"-20NC	1	
—65	4300056	Stud 1/4"-20NC x 4 3/8"	1	
—66	1320058	Clamp, Hose	1	
—67	2720341	Hose, Air Intake Reducer	1	
—68	4843533	Tube, Air Intake	1	
—69	1320058	Clamp, Hose	3	
—70	0080039	Elbow, Air Intake	1	
—71	1340020	Air Cleaner Assembly	1	
—72	7003655	Element	1	
—73	0340002	Band, Mounting - Air Cleaner (Attaching Parts)	2	
—74	0641406	Bolt 1/4"-20NC x 3/4"	2	
—75	4761400	Lockwasher 1/4"	2	
—76	3311401	Nut 1/4"-20NC	2	
—77	1120161	Cap, Air Inlet	1	
—78		Radiator (Supplied with Engine) (Attaching Parts)	1	
—79	3533664	Bracket, Mounting (Top)	1	
—80	0630360	Bolt, Carriage 5/16"-18NC x 1 1/4" (Top)	1	
—81	0641508	Bolt 5/16"-18NC x 1" (Top)	1	
—82	4751500	Flatwasher 5/16" (Top)	2	
—83	4761500	Lockwasher 5/16" (Top)	2	
—84	3311501	Nut 5/16"-18NC (Top)	2	
—85	3533663	Bracket, Mounting (Bottom)	2	
—86	0630403	Bolt, Carriage 7/16"-14NC x 1 1/2" (Bottom)	2	
—87	4751700	Flatwasher 7/16" (Bottom)	2	
—88	3311705	Locknut 7/16"-14NC (Bottom)	2	
—89	0641710	Bolt 7/16"-14NC x 1 1/4" (Bottom)	2	
—90	4761700	Lockwasher 7/16" (Bottom)	2	
—91	3311701	Nut 7/16"-14NC (Bottom)	2	
—92	2720264	Hose, Radiator (Top)	1	
—93		Hose, Radiator (Bottom - Supplied With Engine)	1	
—94	1320014	Clamp, Hose	2	
—95	2420130	Sender, Temperature (Water) (With Engine Distress Switch)	1	
—96	4060713	Shield, Radiator (Attaching Parts)	1	
—97	3921008	Screw #10-24NC x 1/2"	3	
—98	3740030	Relay (Start Lockout)	1	
—99	4564564	Pipe, Exhaust	1	
—100	2420131	Sender, Pressure (Oil) (With Engine Distress Switch)	1	
—101	4360037	Switch, Pressure (Oil)	1	
—102	2220273	Fitting, Reducer	1	
—103	2180360	Fitting, Tee	1	
—104	2200261	Fitting, Coupling	1	
—105	2180537	Fitting, Straight	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—19		FORD ENGINE INSTALLATION - VSG-411 (CONTINUED)	Ref.	
—106	4060736	Shield, Exhaust (Attaching Parts)	1	
—107	3311401	Nut 1/4"-20NC	2	
	4761400	Lockwasher 1/4"	2	
	4300032	Stud (Welded on Part)	2	
—108	1660181	Connector, Exhaust	1	
—109	3220033	Muffler	1	
—110	1320019	Clamp, Muffler	4	
—111	4564683	Tailpipe	1	
—112	0901387	Hanger, Exhaust (Attaching Parts)	1	
—113	3311501	Nut 5/16"-18NC	2	
—114	4751500	Flatwasher 5/16"	2	
	4300038	Stud (Welded on Parts)	2	
—115	3533646	Support, Exhaust	1	
—116	0140001	Horn	1	
—117	3533648	Tray, Engine Mounting (Attaching Parts)	1	
—118	0641610	Bolt 3/8"-16NC x 1 1/4"	6	
—119	4751600	Flatwasher 3/8"	12	
—120	4761600	Lockwasher 3/8"	6	
—121	3311601	Nut 3/8"-16NC	6	
—122	Not Used			
—123	2720042	Hose	1.5 ft./5m	
—124	1320032	Clamp	2	
—125	7000892	Carburetor (With Built-in Choke) (Attaching Parts)	1	
—126	3321501	Nut 5/16"-24NF	2	
—127	4300090	Stud, Carburetor	2	
	7000878	Rebuild Kit - Carburetor	1	
—128	2720058	Hose, Fuel	6 ft./1.8m	
—129	1320022	Clamp	2	
	2120112	Separator/Filter (Location In-line Between In-take Manifold and Distributor)	1	
	0250815	ENGINE HEATER INSTALLATION (NOT SHOWN)	Ref.	—
	2580026	Heater Kit - Engine Coolant	1	
	0700820	Bolt, Metric 8M x 60MM	2	
	4564328	Spacer, Tube	2	
		Note: Hardware Used to Space Terminal Strip Away From Engine Block)		

SECTION 2 — ILLUSTRATED PARTS LIST

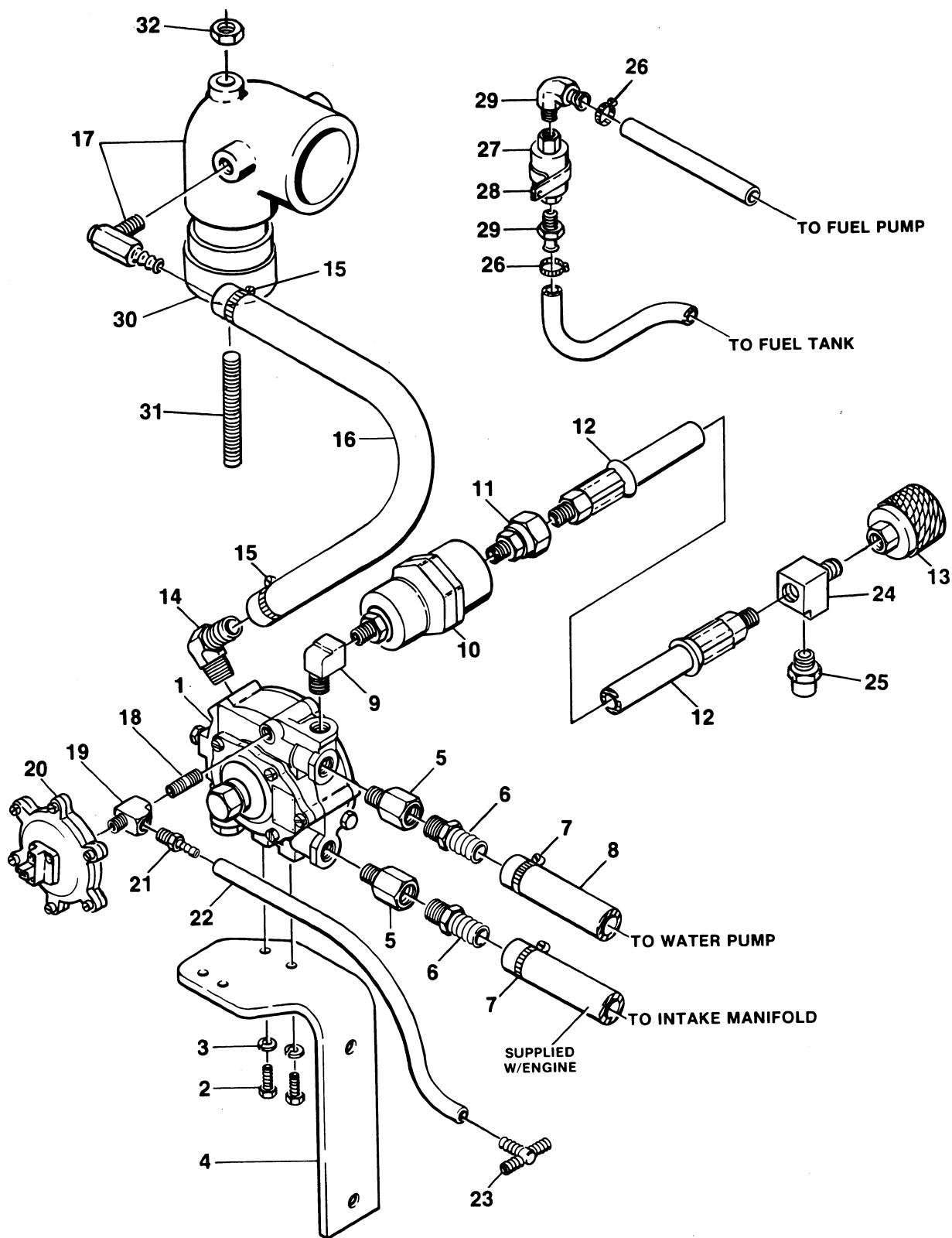


Figure 2-20. Dual Fuel Installation (Ford).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—20	0250790	DUAL FUEL INSTALLATION (FORD)	Ref.	A
—1	3720011	Regulator (Attaching Parts)	1	
—2	0641405	Bolt 1/4"-20NC x 5/8"	2	
—3	4761400	Lockwasher 1/4"	2	
—4	0901664	Bracket	1	
—5	2220364	Fitting, Adapter	2	
—6	2180535	Fitting, Barbed	2	
—7	1320032	Clamp	4	
—8	2720042	Hose	32 in./8m	
—9	2220648	Fitting, 90°	1	
—10	2120077	Filterlock	1	
—11	2220003	Fitting, Swivel	1	
—12	2720118	Hose	1	
—13	2180387	Fitting, Tank	1	
—14	2220675	Fitting, 90° Barbed	1	
—15	1320032	Clamp	2	
—16	2720112	Hose	24 in./1.6m	
—17	0080167	Adapter	1	
	3960388	Gasket	1	
—18	2180104	Fitting, Nipple	1	
—19	2180360	Fitting, Tee	1	
—20	4360188	Switch, Vacuum	1	
—21	2180536	Fitting, Barbed	1	
—22		Hose (Supplied With Engine)	A/R	
—23	2180623	Fitting, Tee	1	
—24	2220290	Fitting, Tee	1	
—25	2180389	Fitting, Pressure Relief	1	
—26	1320022	Clamp	2	
—27	4640391	Valve, Gas Lock	1	
—28	1320095	Clamp, Mounting	1	
—29	2220805	Fitting, Barbed	2	
—30	0080092	Adapter, Carburetor	1	
—31	3840979	Rod, Threaded	1	
—32		Nut (Supplied With Engine)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

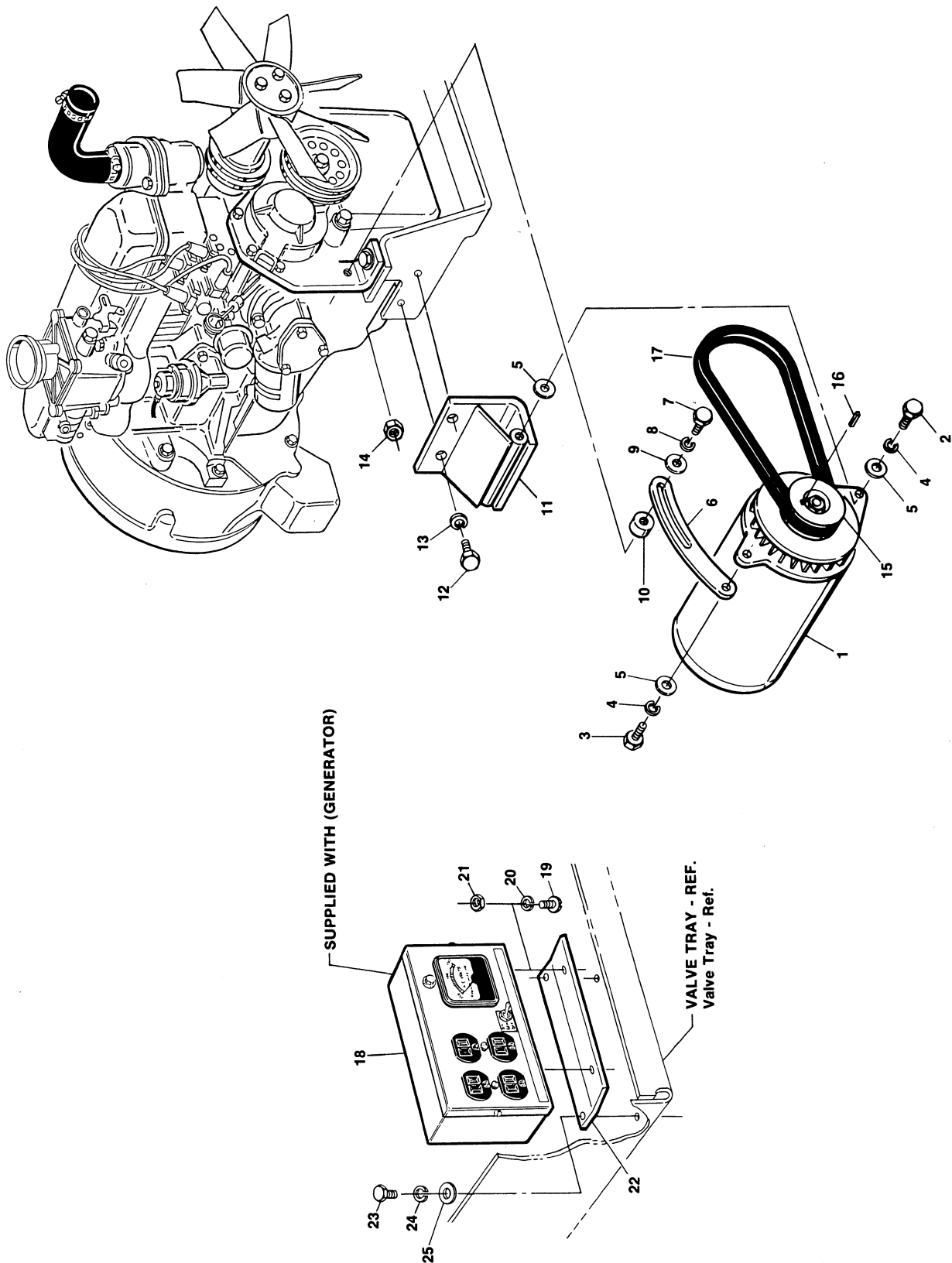


Figure 2-21. Generator Installation - 110V (Ford).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—21	0250444	GENERATOR INSTALLATION - 110V (FORD)	Ref.	A
—1	2460011	Generator	1	
		(Attaching Parts)		
—2	0641511	Bolt 5/16"-18NC x 1 3/8"	2	
—3	0641507	Bolt 5/16"-18NC x 7/8"	1	
—4	4761500	Lockwasher 5/16"	3	
—5	4751500	Flatwasher 5/16"	5	
—6	4340569	Support	1	
		(Attaching Parts)		
—7	0641511	Bolt 5/16"-18NC x 1 3/8"	1	
—8	4761500	Lockwasher 5/16"	1	
—9	4751500	Flatwasher 5/16"	1	
—10	0961247	Bushing	1	
—11	0901650	Bracket, Mounting	1	
		(Attaching Parts)		
—12	0641609	Bolt 3/8"-16NC x 1 1/8" (When Equipped)	2	
—13	4761600	Lockwasher 3/8"	2	
—14	3311601	Nut 3/8"-16NC	2	
—15	3580134	Pulley (Attaching Hardware Supplied With Generator)	1	
—16	2860012	Key, Woodruff	1	
—17	0480057	V-Belt	1	
—18		Box, Control (Supplied With Generator)	1	
		(Attaching Parts)		
—19	3911004	Screw, Machine #10-24NC x 1/2"	2	
—20	4761000	Lockwasher #10	2	
—21	3311001	Nut #10-24NC	2	
—22	0901609	Bracket, Mounting	1	
		(Attaching Parts)		
—23	0641507	Bolt 5/16"-18NC x 7/8"	2	
—24	4761500	Lockwasher 5/16"	2	
—25	4751500	Flatwasher 5/16"	2	

SECTION 2 — ILLUSTRATED PARTS LIST

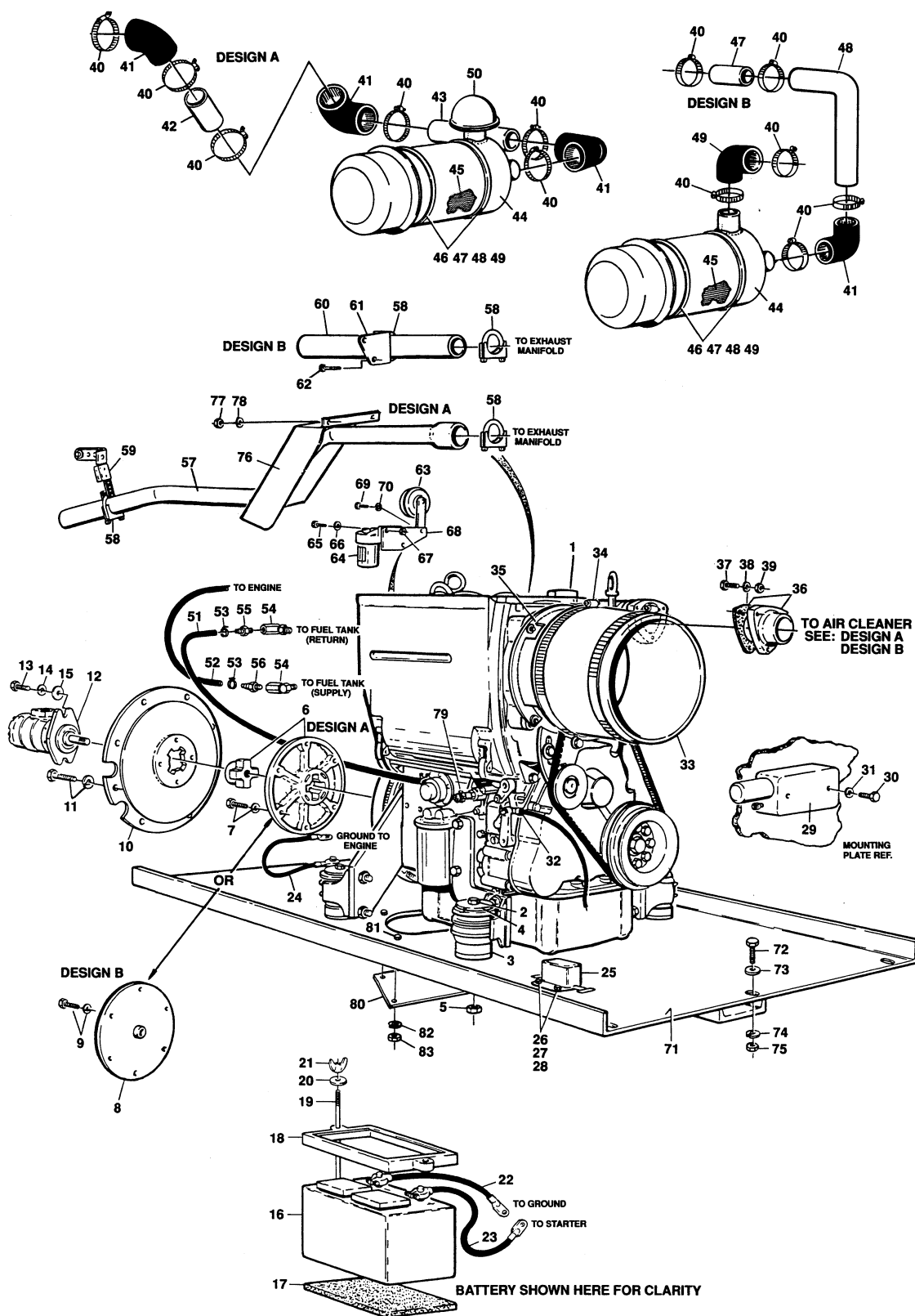


Figure 2-22. Deutz Engine Installation - F2L-1011.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—22	0251224	DEUTZ ENGINE INSTALLATION - F2L-1011	Ref.	C
	0252275	DEUTZ ENGINE INSTALLATION - F2L-1011 (WITH NOISE REDUCTION PACKAGE)	Ref.	B
—1	2000106	Engine, Deutz - F2L-1011 Diesel (Attaching Parts)	1	
—2	0641840	Bolt 1/2"-13NC x 5"	4	
—3	0361817	Spacer	4	
—4	4751800	Flatwasher 1/2"	4	
—5	3311805	Locknut 1/2"-13NC	4	
	0239968	Coupling Installation - Lovejoy (Design A)	1	—
	0250594	Coupling Installation - Hayes (Design B)	1	—
—6	1660176	Coupling, Love Joy (Design A) (Attaching Parts)	1	
—7	0700812	Bolt, Metric 8MM x 25MM	6	
	4831900	Lockwasher, Metric 8MM	6	
—8	1660182	Coupling, Hayes (Design B) (Attaching Parts)	1	
—9	0700800	Bolt, Metric 8MM x 16MM	6	
	4831908	Lockwasher, Metric 8MM	6	
—10	0080169	Plate, Adapter (Attaching Parts)	1	
—11	0701014	Bolt, Metric 10MM x 30MM	8	
	4832000	Lockwasher, Metric 10MM	8	
—12	3600145	Pump Assembly - Vickers (Attaching Parts)	1	
—13	0641609	Bolt 3/8"-16NC x 1 1/8"	2	
—14	4761600	Lockwasher 3/8"	2	
—15	4751600	Flatwasher 3/8"	2	
	2900660	Seal Kit - Shaft	1	
—16	0400003	Battery	1	
—17	3980003	Seat, Masonite	1	
—18	0400002	Holddown, Battery (Attaching Parts)	1	
—19	0630370	Rod, Tie-Down	2	
—20	4751600	Flatwasher 3/8"	2	
—21	3300029	Wingnut	2	
—22	1060046	Cable, Battery (Negative to Ground)	1	
—23	1060154	Cable, Battery (Positive to Starter)	1	
—24	1060093	Cable, Battery (Engine to Ground)	1	
—25	3740030	Relay, Adlo (Attaching Parts)	1	
—26	0641408	Bolt 1/4"-20NC x 1"	2	
—27	4761400	Lockwasher 1/4"	2	
—28	3311401	Nut 1/4"-20NC	2	
—29	0060023	Actuator (Attaching Parts)	1	
—30	0641406	Bolt 1/4"-20NC x 3/4"	2	
—31	4761400	Lockwasher 1/4"	2	
—32	0080172	Adapter, Throttle	1	
	3951003	Setscrew #10-24NC x 3/8"	1	
	3450202	Pin, Cotter 1/16" x 1/2"	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—22		DEUTZ ENGINE INSTALLATION - F2L-1011 (CONTINUED)	Ref.	
—33	2720342	Hose, Intake (Attaching Parts)	1	
—34	1320059	Clamp (Air Cleaner Mounted Outside Hood)	2	
	1320059	Clamp (Air Cleaner Mounted Outside Hood)	3	
	4280280	Strip, Neoprene (Not Shown) (When Equipped)	1	
—35	4843513	Intake, Air	1	
—36	3960407	Gasket	1	
	0080177	Adapter, Air Intake (Attaching Parts)	1	
—37	0641512	Bolt 5/16"-18NC x 1 1/2"	3	
—38	4761500	Lockwasher 5/16"	3	
—39	3311501	Nut 5/16"-18NC	3	
—40	1320180	Clamp, Hose	6	
—41	0080039	Elbow, Air Intake (Air Cleaner Mounted Outside Hood) (Design A)	3	
	0080039	Elbow, Air Intake (Air Cleaner Mounted Inside Hood) (Design B)	1	
—42	4564476	Tube, Air Intake (Air Cleaner Mounted Outside Hood) (Design A)	1	
—43	4564475	Tube, Air Intake (Air Cleaner Mounted Outside Hood) (Design A)	1	
—44	0340020	Air Cleaner Assembly	1	
—45	7003655	Element	1	
—46	0340002	Band, Mounting (Attaching Parts)	2	
	0641406	Bolt 1/4"-20NC x 3/4" (Air Cleaner Mounted Outside Hood) (Design A)	4	
	0641420	Bolt 1/4"-20NC x 2 1/2" (Air Cleaner Mounted Inside Hood) (Design B)	4	
	4761400	Lockwasher 1/4"	4	
	3311401	Nut 1/4"-20NC	4	
	0362043	Bar, Spacer (Air Cleaner Mounted Inside Hood Only) (Design B)	2	
—47	2720351	Tube, Rubber (Air Cleaner Mounted Inside Hood) (Design B)	1	
—48	4565347	Tube, Air Intake (Air Cleaner Mounted Inside Hood) (Design B)	1	
—49	0080046	Elbow (Air Cleaner Mounted Inside Hood) (Design B)	1	
—50	1120161	Cap, Inlet (Air Cleaner Mounted Outside Hood) (Design A)	1	
—51	2720058	Hose, Fuel Line (Supply)	6 ft./1.8m	
—52	2720271	Hose, Fuel Line (Return)	8 ft./2.4m	
—53	1320022	Clamp, Hose	4	
—54	2200462	Fitting, 90°	2	
—55	2180348	Fitting, Barbed	1	
	0010043	Sealant	A/R	
—56	2180666	Fitting, Barbed	1	
	0010043	Sealant	A/R	
	7000693	Muffler (Standard - Not Shown)	1	
	3220036	Arrestor, Spark (Optional - Not Shown)	1	
—57	4564934	Tailpipe (Design A)	1	
—58	1320019	Clamp, Muffler (Design A)	2	
	1320019	Clamp, Muffler (Design B)	1	
	1320176	Clamp, Muffler (Design B)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—22		DEUTZ ENGINE INSTALLATION - F2L-1011 (CONTINUED)	Ref.	
—59	0901387	Bracket, Hanger (Design A) (Attaching Parts)	1	
	3311501	Nut 5/16"-18NC	2	
	4761500	Lockwasher 5/16"	2	
	4751500	Flatwasher 5/16"	2	
	4300038	Stud (Welded on Part)	2	
—60	4565348	Tailpipe (Design B)	1	
—61	0901705	Bracket (Design B) (Attaching Parts)	1	
—62	0701010	Bolt, Metric 10MM x 20MM	2	
	4832000	Lockwasher, Metric 20MM	2	
—63	0140001	Horn	1	
—64		Filter, Fuel (Supplied With Engine) (Attaching Parts)	1	
—65	0641508	Bolt 5/16"-18NC x 1"	2	
—66	4761500	Lockwasher 5/16"	2	
—67	3311501	Nut 5/16"-18NC	2	
—68	0901621	Bracket, Mounting - Filter (Attaching Parts)	1	
—69	0701010	Bolt, Metric M10 x 20MM	2	
—70	4832000	Lockwasher, Metric 10MM	2	
—71	4843437	Tray, Engine Mounting (Air Cleaner Mounted Outside Hood)	1	
	4843934	Tray, Engine Mounting (Air Cleaner Mounted Inside Hood) (Attaching Parts)	1	
—72	0641612	Bolt 3/8"-16NC x 1 1/2"	6	
—73	4751600	Flatwasher 3/8"	12	
—74	4761600	Lockwasher 3/8"	6	
—75	3311601	Nut 3/8"-16NC	6	
—76	4060736	Shield, Exhaust (Design A Exhaust Only) (Attaching Parts)	1	
—77	3311401	Nut 1/4"-20NC	2	
—78	4761400	Lockwasher 1/4"	2	
	4300032	Stud (Welded on Part)	2	
—79	2420110	Sender, Pressure (Standard)	1	
	2180730	Fitting, Adapter (Standard)	1	
	2180749	Fitting, 45° (With 110V Generator Option)	1	
	2180537	Fitting, Nipple (With 110V Generator Option)	1	
	4360037	Switch, Pressure (With 110V Generator Option)	1	
	2180360	Fitting, Tee (With 110V Generator Option)	1	
	2200261	Fitting, Coupling (With 110V Generator Option)	1	
	4360065	Switch, Pressure (Use With Engine Distress Signal)	1	
	2180360	Fitting, Tee (Use With Engine Distress Signal)	1	
	2180749	Fitting, 45° (Use With Engine Distress Signal)	1	
—80	3535551	Plate, Cover (With Noise Reduction Package) (Attaching Parts)	1	
—81	0641408	Bolt 1/4"-20NC x 1"	3	
—82	4761400	Lockwasher 1/4"	3	
—83	3311401	Nut 1/4"-20NC	3	

SECTION 2 — ILLUSTRATED PARTS LIST

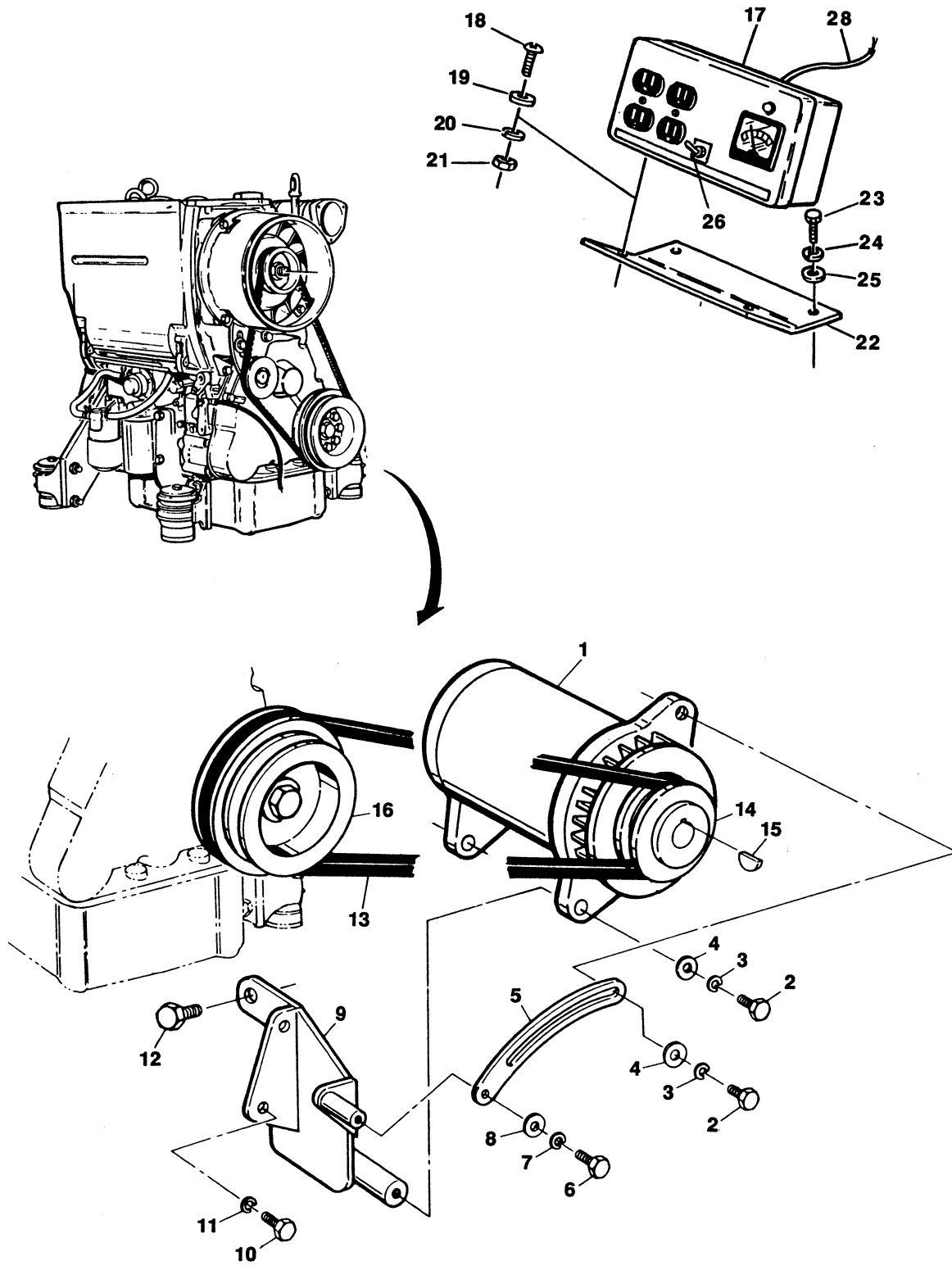


Figure 2-23. Generator Installation - 110V (Deutz).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—23	0251801	GENERATOR INSTALLATION - 110V (DEUTZ)	Ref.	C
—1	2460011	Generator (Attaching Parts)	1	
—2	0641510	Bolt 5/16"-18NC x 1 1/4"	3	
—3	4761500	Lockwasher 5/16"	3	
—4	4751500	Flatwasher 5/16"	3	
—5	0361815	Arm, Adjustable (Attaching Parts)	1	
—6	0641510	Bolt 5/16"-18NC x 1 1/4"	1	
—7	4761500	Lockwasher 5/16"	1	
—8	4751500	Flatwasher 5/16"	1	
—9	4843410	Bracket, Mounting - Generator (Attaching Parts)	1	
—10	0701012	Bolt, Metric 10MM x 25M	2	
—11	4812000	Flatwasher, Metric 10MM	2	
	0100011	Loctite	A/R	
—12	0701414	Bolt, Metric 14MM x 30MM	1	
—13	0480059	V-Belt	1	
—14	3580134	Pulley	1	
—15	2860012	Key	1	
—16	3580158	Pulley	1	
—17		Box, Control (Supplied With Generator) (Attaching Parts)	1	
—18	3911004	Screw, Machine #10-24NC x 1/2"	2	
—19	4751000	Flatwasher #10	2	
—20	4761000	Lockwasher #10	2	
—21	3311001	Nut #10-24NC	2	
—22	0901609	Bracket, Mounting - Box (Attaching Parts)	1	
—23	0641507	Bolt 5/16"-18NC x 7/8"	2	
—24	4761500	Lockwasher 5/16"	2	
—25	4751500	Flatwasher 5/16"	2	
—26	3251476	Decal - Generator	1	
—27	Not Used			
—28	1060012	Cable - 12/4	4 ft./1.2m	

SECTION 2 — ILLUSTRATED PARTS LIST

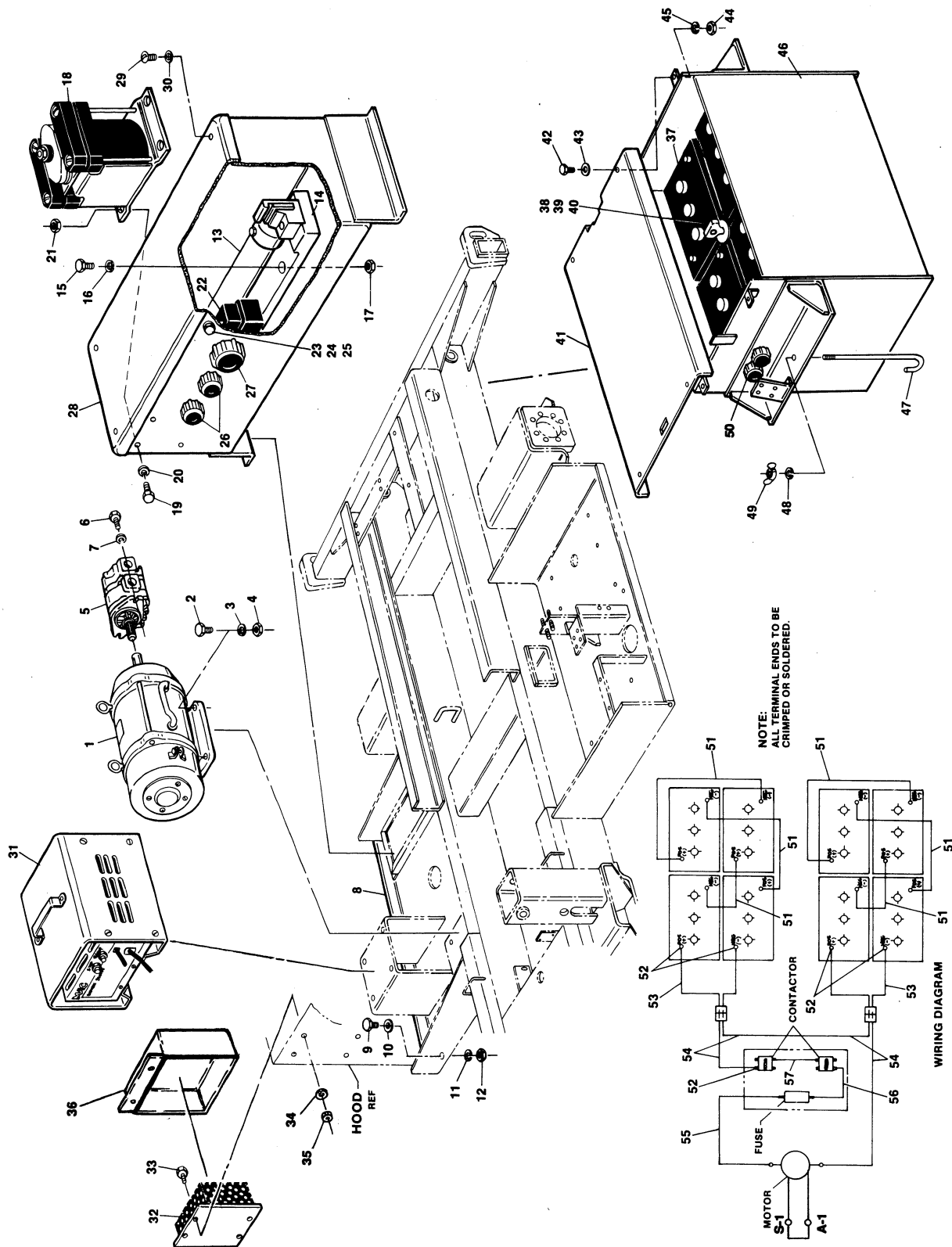


Figure 2-24. Electric Powered Machine Components Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—24		ELECTRIC POWERED MACHINE COMPONENTS INSTALLATION	Ref.	
	0251302	MOTOR, PUMP AND CHARGER INSTALLATION	Ref.	A
—1	3160153	Motor, Electric (Attaching Parts)	1	
—2	0641614	Bolt 3/8"-16NC x 1 3/4"	4	
—3	4761600	Lockwasher 3/8"	4	
—4	3311601	Nut 3/8"-16NC	4	
—5	3600170	Pump Assembly (Not Field Serviceable) (Attaching Parts)	1	
—6	0641610	Bolt 3/8"-16NC x 1 1/4"	2	
—7	4761600	Lockwasher 3/8"	2	
	2900660	Seal Kit - Pump Shaft	1	
—8	4843550	Plate, Motor Mounting (Attaching Parts)	1	
—9	0641610	Bolt 3/8"-16NC x 1 1/4"	6	
—10	4751600	Flatwasher 3/8"	12	
—11	4761600	Lockwasher 3/8"	6	
—12	3311601	Nut 3/8"-16NC	6	
—13	2400025	Fuse - 200 Amp	1	
—14	2400027	Fuseholder (Attaching Parts)	1	
—15	0641408	Bolt 1/4"-20NC x 1"	4	
—16	4761400	Lockwasher 1/4"	4	
—17	3311401	Nut 1/4"-20NC	4	
—18	3740064	Relay, Contactor (Attaching Parts)	2	
—19	0641408	Bolt 1/4"-20NC x 1"	4	
—20	4761400	Lockwasher 1/4"	4	
—21	3311401	Nut 1/4"-20NC	4	
—22	3740049	Relay (Attaching Parts)	1	
—23	0641408	Bolt 1/4"-20NC x 1"	1	
—24	4761400	Lockwasher 1/4"	1	
—25	3311401	Nut 1/4"-20NC	1	
—26	4460051	Connector, Strain Relief (3/4")	2	
	0960238	Bushing	2	
	3300048	Locknut, Conduit	2	
—27	4460052	Connector, Strain Relief (1/2")	2	
	0960239	Bushing	2	
	3300047	Locknut, Conduit	2	
—28	1670511	Cover, Fuseholder Box (Attaching Parts)	1	
—29	3911012	Screw, Round Head #10-24NC	4	
—30	4740120	Washer, Neoprene	4	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—24		ELECTRIC POWERED MACHINE COMPONENTS INSTALLATION (CONTINUED)	Ref.	
—31	0400088	Charger, Battery	1	
—32	1600122	Converter	1	
		(Attaching Parts)		
—33	0641408	Bolt 1/4"-20NC x 1"	4	
—34	4761400	Lockwasher 1/4"	4	
—35	3311401	Nut 1/4"-20NC	4	
—36	0860726	Cover, Converter	1	
	0251754	BATTERIES INSTALLATION	Ref.	A
—37	0400055	Battery	8	
		(Attaching Parts)		
—38	0630428	Bolt, Hold-Down	2	
	4740273	Washer, Special	2	
—39	4761600	Lockwasher 3/8"	2	
—40	3311601	Nut 3/8"-16NC	2	
—41	1670550	Cover, Battery Box	2	
		(Attaching Parts)		
—42	0641406	Bolt 1/4"-20NC x 3/4"	4	
—43	4751400	Flatwasher 1/4"	4	
—44	4761400	Lockwasher 1/4"	4	
—45	3311401	Nut 1/4"-20NC	4	
—46	4843557	Box, Battery (Left Side)	1	
	4843519	Box, Battery (Right Side)	1	
		(Attaching Parts)		
—47	3841046	J-Rod	2	
—48	4761600	Lockwasher 3/8"	2	
—49	3300029	Wingnut 3/8"-16NC	2	
—50	4460051	Connector, Strain Relief	4	
	0960238	Bushing	4	
	3300048	Locknut	4	
—51	1060352	Cable, Battery (Negative to Positive Terminals)	6	
—52	4460199	End, Terminal	4	
—53	1060347	Cable, Battery (Batteries to Connector)	2	
—54	1060348	Cable, Battery (Batteries to Motor and Contactor)	1	
—55	1060351	Cable, Battery (Motor to Fuse)	1	
—56	1060340	Cable, Battery (Fuse to Contactor)	1	
—57	1060338	Cable, Battery (Contactor to Contactor)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

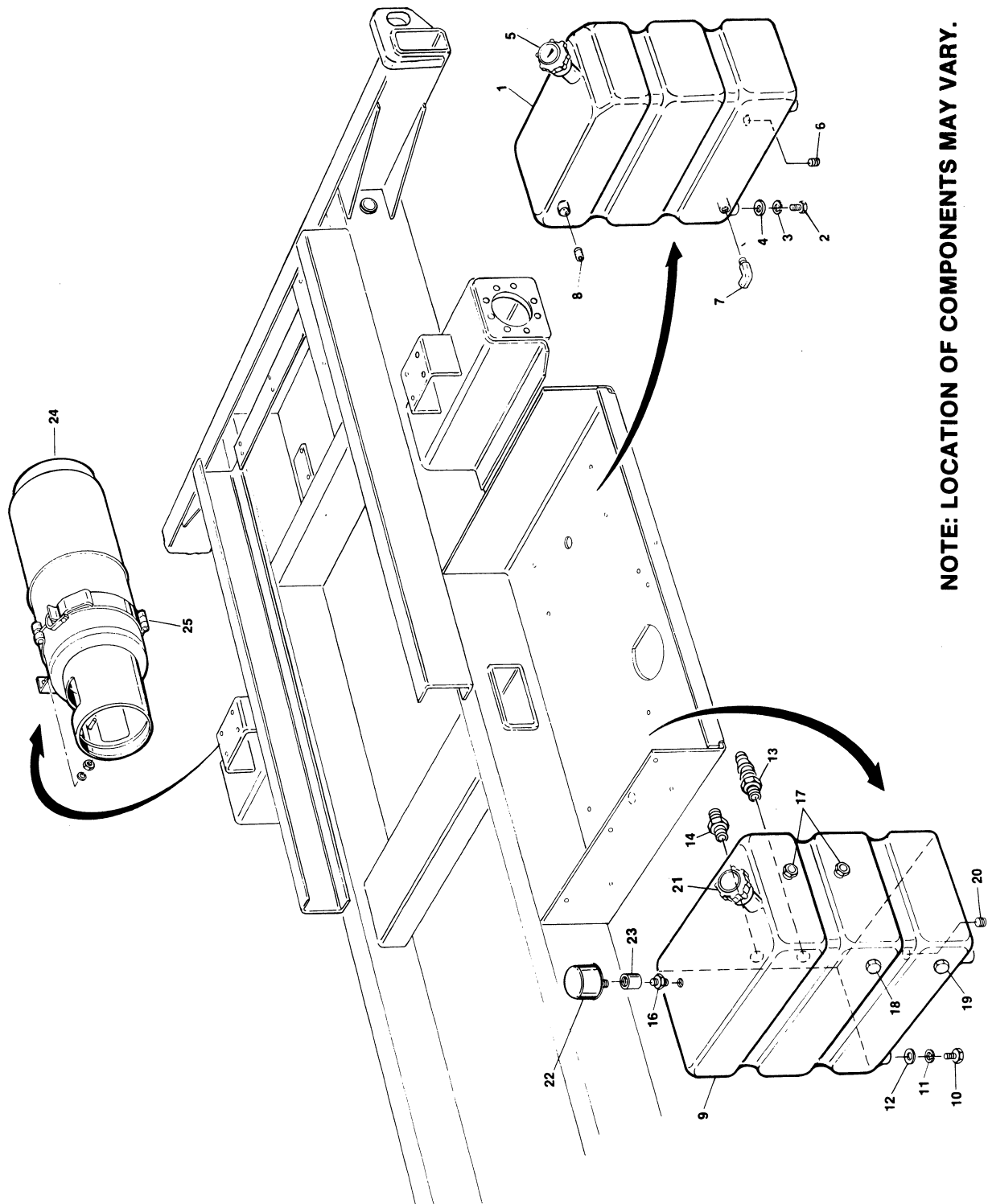


Figure 2-25. Tanks Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—25		TANKS INSTALLATION	Ref.	
	0250803	TANKS INSTALLATION (FORD AND DEUTZ 2WD)	Ref.	E
	0251851	TANKS INSTALLATION (ELECTRIC 2WD)	Ref.	B
	0251009	TANKS INSTALLATION (FORD AND DEUTZ 4WD)	Ref.	D
—1	4400273	Tank, Fuel (Attaching Parts)	1	
—2	0641608	Bolt 3/8"-16NC x 1"	4	
—3	4761600	Lockwasher 3/8"	4	
—4	4751600	Flatwasher 3/8"	4	
—5	1120362	Fuel Cap/Gauge Assembly	1	
—6	2220204	Plug, Pipe	1	
—7	2220317	Fitting, 90° Barbed	1	
—8	2220202	Plug, Pipe	3	
—9	4400282	Hydraulic Tank Assembly (Attaching Parts)	1	B
—10	0641608	Bolt 3/8"-16NC x 1"	4	
—11	4761600	Lockwasher 3/8"	4	
—12	4751600	Flatwasher 3/8"	4	
—13	4400274	Tank, Hydraulic	1	
—14	2210066	Fitting	1	
—15	2220376	Fitting	1	
—16	Not Used			
—17	2220281	Fitting, Straight	1	
—18	2420115	Gauge, Sight	2	
—19	0100020	Sealant	A/R	
—20	2220240	Plug	1	
—21	2220242	Plug	1	
—22	3520022	Plug, Magnetic	1	
—23	0100020	Sealant	A/R	
—24	1120361	Cap	1	
—25	1340021	Breather	1	
	2200265	Coupling	1	
	0250790	LP TANKS INSTALLATION	Ref.	A
—24	4400040	Tank - L.P. (33.5 Lbs.)	2	
—25	1320126	Clamp (1 Per Tank)	2	
	1320127	Latch Mechanism (1 Per Tank)	2	

SECTION 2 — ILLUSTRATED PARTS LIST

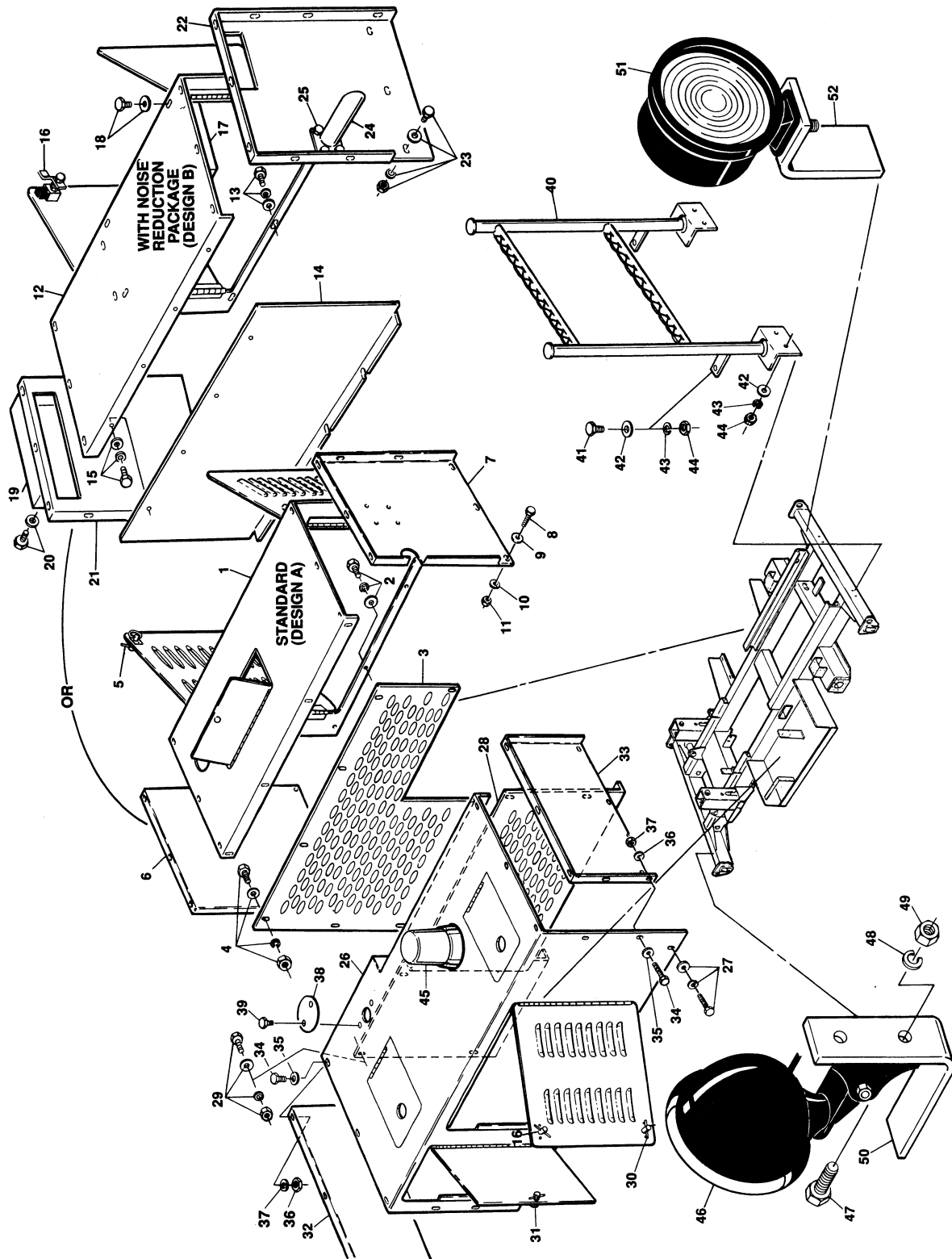


Figure 2-26. Hoods and Ladders Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—26		HOODS AND LADDERS INSTALLATION - FORD, DEUTZ AND ELECTRIC	Ref.	
	0250241	HOOD INSTALLATION - RIGHT SIDE (FORD - STANDARD) (DESIGN A)	Ref.	C
	0250247	HOOD INSTALLATION - RIGHT SIDE (DEUTZ - STANDARD) (DESIGN A)	Ref.	B
	0250540	HOOD INSTALLATION - RIGHT SIDE (ELECTRIC - STANDARD) (DESIGN A)	Ref.	—
—1	2680379	Hood Weldment (Ford)	1	
	2680382	Hood Weldment (Deutz)	1	
	2680385	Hood Weldment (Electric)	1	
		(Attaching Parts)		
—2	0641406	Bolt 1/4"-20NC x 3/4"	4	
	4761400	Lockwasher 1/4"	4	
	4751400	Flatwasher 1/4"	4	
—3	3534197	Plate, Inside Cover (Ford)	1	
	3534534	Plate, Inside Cover (Deutz)	1	
	3534064	Plate, Inside Cover (Electric)	1	
		(Attaching Parts)		
—4	0641410	Bolt 1/4"-20NC x 1 1/4"	7	
	4751400	Flatwasher	7	
	4761400	Lockwasher 1/4"	7	
	3311401	Nut 1/4"-20NC	7	
—5	2940048	Latch	2	
	3820019	Rivet	4	
—6	3533705	Panel, Front (Ford)	1	
	2680381	Panel, Front (Deutz)	1	
	3534058	Panel, Front (Electric)	1	
—7	3533706	Panel, Rear (Ford and Deutz)	1	
	3534059	Panel, Rear (Electric)	1	
		(Attaching Parts)	1	
—8	0641410	Bolt 1/4"-20NC x 1 1/4"	12	
—9	4751400	Flatwasher 1/4"	24	
—10	4761400	Lockwasher 1/4"	12	
—11	3311401	Nut 1/4"-20NC	12	
	0251978	HOOD INSTALLATION - RIGHT SIDE (DEUTZ WITH NOISE REDUCTION PACKAGE) (DESIGN B)	Ref.	A
—12	2680396	Hood Weldment (Deutz)	1	
		(Attaching Parts)		
—13	3941406	Screw, Self-Tapping	4	
	4761400	Lockwasher 1/4"	4	
	4751400	Flatwasher 1/4"	4	
—14	3535350	Plate, Inside Cover (Deutz)	1	
		(Attaching Parts)		
—15	3941406	Screw, Self-Tapping	7	
	4761400	Lockwasher 1/4"	7	
	4751400	Flatwasher 1/4"	7	
—16	2940042	Latch, Door	2	
—17	3535353	Plate, Hood (Top)	1	
		(Attaching Parts)		
—18	0641406	Bolt 1/4"-20NC x 3/4"	8	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—26		HOODS AND LADDERS INSTALLATION - FORD, Ref. DEUTZ AND ELECTRIC (CONTINUED)		
	4751400	Flatwasher 1/4"	16	
	4761400	Lockwasher 1/4"	8	
	3311401	Nut 1/4"-20NC	8	
—19	3535352	----- Plate, Air Intake (Attaching Parts)	1	
—20	0641406	Bolt 1/4"-20NC x 3/4"	6	
	4751400	Flatwasher 1/4"	12	
	4761400	Lockwasher 1/4"	6	
	3311401	Nut 1/4"-20NC	6	
—21	2680395	----- Panel, Front (Deutz)	1	
—22	3535348	Panel, Rear (Deutz) (Attaching Parts)	1	
—23	0641406	Bolt 1/4"-20NC x 3/4"	12	
	0641408	Bolt 1/4"-20NC x 1"	6	
	4751400	Flatwasher 1/4"	34	
	4761400	Lockwasher 1/4"	18	
	3311401	Nut 1/4"-20NC	18	
	0181637	Angle	2	
—24	4844024	----- Snorkel, Exhaust (Attaching Parts)	1	
—25	0641406	Bolt 1/4"-20NC x 3/4"	4	
	4751400	Flatwasher 1/4"	8	
	4761400	Lockwasher 1/4"	4	
	3311401	Nut 1/4"-20NC	4	
	0250687	HOOD INSTALLATION - LEFT SIDE	Ref.	A
—26	2680387	Hood Weldment (Attaching Parts)	1	
—27	0641406	Bolt 1/4"-20NC x 3/4"	5	
	4761400	Lockwasher 1/4"	5	
	4751400	Flatwasher 1/4"	5	
—28	3534089	----- Plate, Inside Cover (When Equipped) (Attaching Parts)	1	
—29	0641406	Bolt 1/4"-20NC x 3/4"	6	
	4751400	Flatwasher 1/4"	6	
	4761400	Lockwasher 1/4"	6	
	3311401	Nut 1/4"-20NC	6	
—30	2940048	----- Latch (Valve Area Door)	2	
	3820019	Rivet	4	
—31	2940050	Latch (Ground Control Door)	1	
	3820019	Rivet	2	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—26		HOODS AND LADDERS INSTALLATION - FORD DEUTZ AND ELECTRIC (CONTINUED)	Ref.	
—32	3534074	Panel, Front	1	
—33	3534073	Panel, Rear	1	
		(Attaching Parts)		
—34	0641406	Bolt 1/4"-20NC x 3/4"	8	
—35	4751400	Flatwasher 1/4"	16	
—36	4761400	Lockwasher 1/4"	8	
—37	3311401	Nut 1/4"-20NC	8	
—38	1670560	Plate, Cover	1	
		(Attaching Parts)		
—39	0751006	Screw #10 x 3/4"	2	
	0252253	LADDER INSTALLATION (CM40RT WITH TRAVERSING PLATFORM)	Ref.	—
	0250876	LADDER INSTALLATION (CM40RT WITH FIXED PLATFORM/CM33RT WITH TRAVERSING PLATFORM))	Ref.	B
	0250875	LADDER INSTALLATION (CM33RT WITH FIXED PLATFORM/ALL CM25RT)	Ref.	B
—40	4843993	Ladder (CM40RT with Traversing Platform)	1	
	4843626	Ladder (CM40RT with Fixed Platform/CM33RT with Traversing Platform)	1	
	4843625	Ladder (CM33RT with Fixed Platform/CM25RT with Traversing Platform)	1	
		(Attaching Parts)		
—41	0641612	Bolt 3/8"-16NC x 1 1/2"	2	
—42	4751600	Flatwasher 3/8"	8	
—43	4761600	Lockwasher 3/8"	6	
—44	3311601	Nut 3/8"-16NC	6	
	4300034	Stud (Welded on Part)	4	
	0252266	BEACON LIGHT INSTALLATION (OPTIONAL)	Ref.	—
—45	2920018	Light, Beacon (Amber)	1	
	0251800	HEADLIGHT AND TAILLIGHT INSTALLATION (OPTIONAL)	Ref.	—
—46	2920001	Headlight	2	
		(Attaching Parts)		
—47	0641608	Bolt 3/8"-16NC x 1"	2	
—48	4761600	Lockwasher 3/8"	2	
—49	3311601	Nut 3/8"-16NC	2	
—50	0900446	Bracket, Mounting	1	
—51	2920019	Tailight	2	
—52	0901382	Bracket	2	

SECTION 2 — ILLUSTRATED PARTS LIST

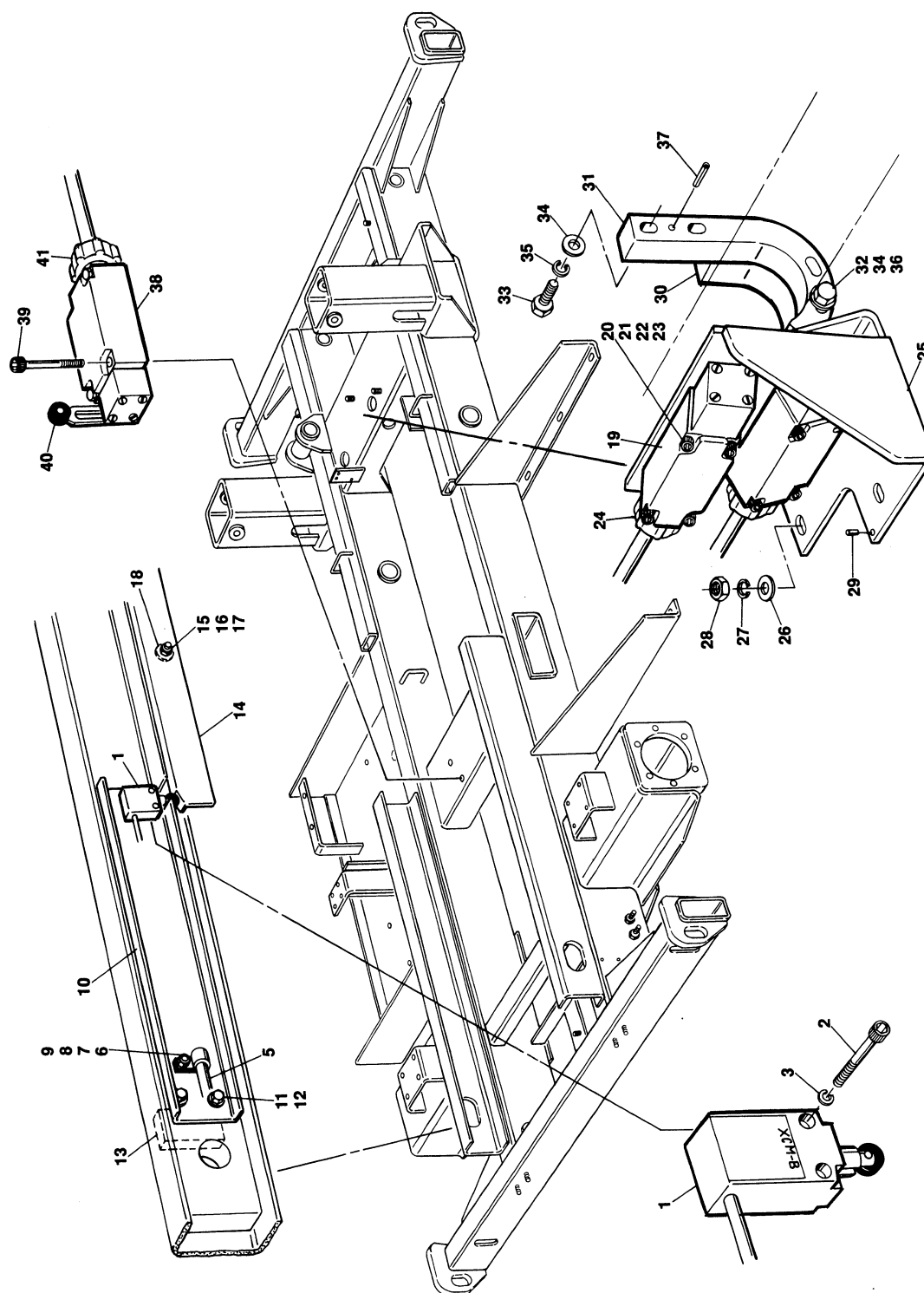


Figure 2-27. Limit Switches Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—27		LIMIT SWITCHES INSTALLATION	Ref.	
	0251580	LIMIT SWITCHES INSTALLATION (PRIOR TO MAY 1991) (DESIGN A)	Ref.	A
—1	4360266	Switch, Limit (Attaching Parts)	2	
—2	3930812	Bolt, Socket Head #8-32NC x 3/4"	2	
—3	4760800	Lockwasher #8	2	
—4	3310801	Nut #8-32NC	2	
—5	1060016	Cable, Electrical - 16/3	40 ft/12.2m	
—6	1320070	Clamp, Cable (Attaching Parts)	5	
—7	3311401	Nut 1/4"-20NC	1	
—8	4761400	Lockwasher 1/4"	1	
—9	4751400	Flatwasher 1/4"	1	
	4300031	Stud (Welded on Part)	1	
—10	0901748	Bracket, Mounting (Attaching Parts)	1	
—11	0641416	Bolt 1/4"-20NC x 2"	2	
—12	4761400	Lockwasher 1/4"	2	
—13	0560942	Block	1	
—14	3534928	Plate, Cam (Attaching Parts)	1	
—15	3311401	Nut 1/4"-20NC	4	
—16	4761400	Lockwasher 1/4"	4	
—17	4751400	Flatwasher 1/4"	4	
—18	4564417	Spacer	1	
	4300062	Stud (Welded on Part)	4	
	0251917	LIMIT SWITCHES INSTALLATION (MAY 1991 TO PRESENT) (DESIGN B)	Ref.	—
—19	4360300	Switch, Limit (Attaching Parts)	2	
—20	3930832	Bolt, Socket Head #8-32NC x 2"	4	
—21	4750800	Flatwasher #8	4	
—22	4760800	Lockwasher #8	4	
—23	3310801	Nut #8-32NC	4	
—24	4460049	Connector, Strain Relief	2	
—25	0901771	Bracket, Mounting (Attaching Parts)	1	
—26	3311501	Nut 5/16"-18NC	2	
—27	4761500	Lockwasher 5/16"	2	
—28	4751500	Flatwasher 5/16"	2	
—29	3440413	Rollpin	1	
—30	1100063	Cam (Drive Cut-Out)	1	
—31	1100062	Cam (Hi-Drive Cut-Out) (Attaching Parts)	1	
—32	0641614	Bolt 3/8"-16NC x 1 3/4"	2	
—33	0641612	Bolt 3/8"-16NC x 1 1/2"	2	
—34	4751600	Flatwasher 3/8"	4	
—35	4761600	Lockwasher 3/8"	2	
—36	3311605	Locknut 3/8"-16NC	2	
—37	3440420	Rollpin	2	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—27		LIMIT SWITCHES INSTALLATION	Ref.	
	0252529	LIMIT SWITCH INSTALLATION (OVERLOAD/TILT INTERLOCK) (FRENCH SPEC BUILT AFTER SEPTEMBER 1991 ONLY)	Ref.	—
—38	4360236	Head, Switch	1	
	4360277	Switch, Limit (Attaching Parts)	1	
—39	3900168	Bolt, Socket #10-24NC x 1 1/2"	2	
—40	4360237	Arm and Roller	1	
—41	4460052	Connector, Strain Relief	1	

SECTION 2 — ILLUSTRATED PARTS LIST

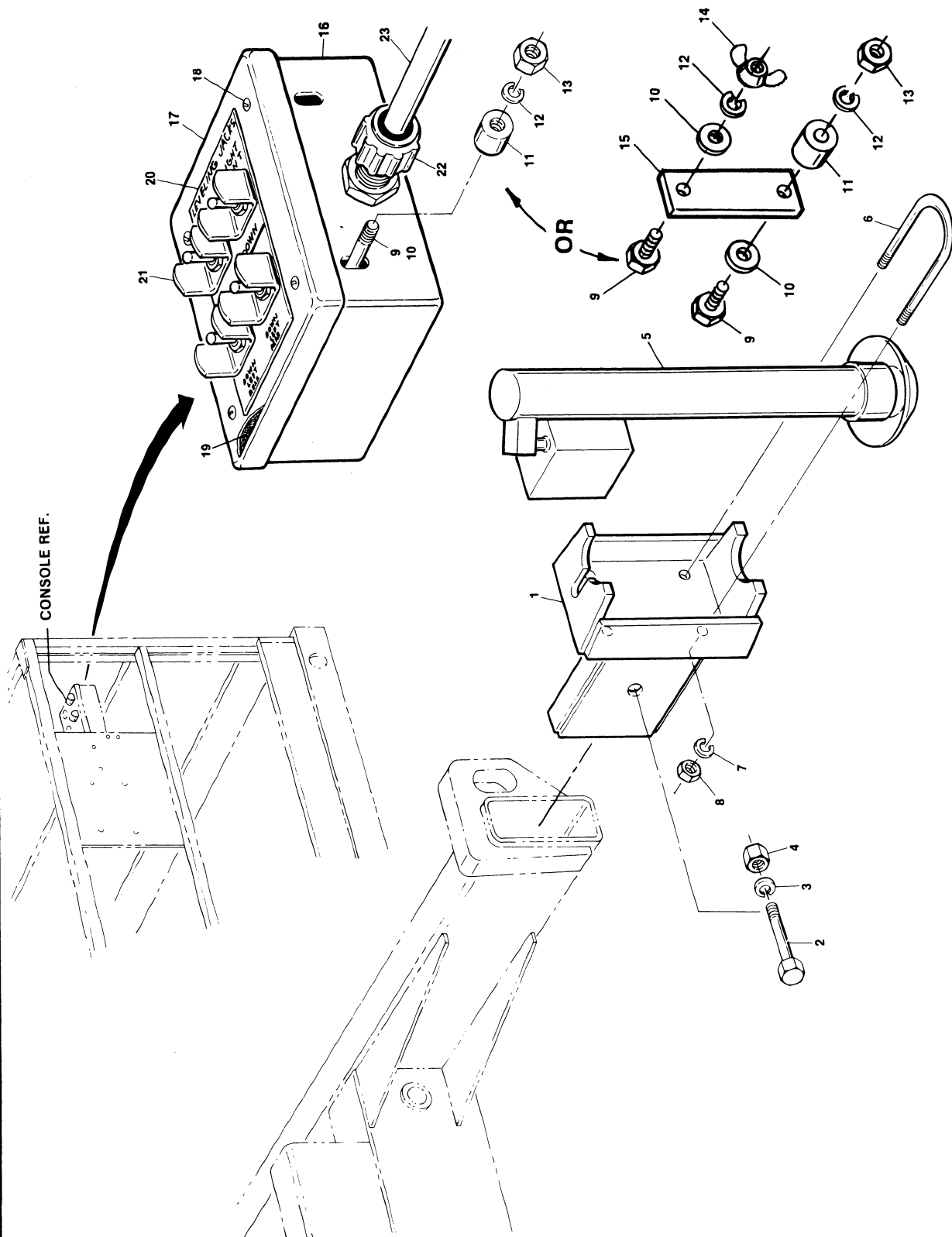


Figure 2-28. Hydraulic Leveling Jack Components Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—28	0251745	HYDRAULIC LEVELING JACK COMPONENTS INSTALLATION	Ref.	A
	0251792	HYDRAULIC LEVELING JACK COMPONENTS INSTALLATION (WITH DETACHABLE CONTROL BOX)	Ref.	A
—1	4843866	Support, Jack Cylinder (Attaching Parts)	4	
—2	0642232	Bolt 3/4"-10NC x 4"	1	
—3	4762200	Lockwasher 3/4"	1	
—4	3312201	Nut 3/4"-10NC	1	
—5	1680378	Jack Cylinder Assembly (See Figure 2-29 for Breakdown) (Attaching Parts)	4	
—6	0630327	U-Bolt	2	
—7	4761800	Lockwasher 1/2"	4	
—8	3311801	Nut 1/2"-13NC	4	
	0250153	JACK CONTROL BOX INSTALLATION	Ref.	A
	0251133	JACK CONTROL BOX INSTALLATION (DETACHABLE)	Ref.	—
	0860533	Control Box Assembly (Attaching Parts)	1	B
—9	0641409	Bolt 1/4"-20NC x 1 1/8"	2	
	4300083	Stud (Welded on Part) (Detachable Box)	2	
—10	4751400	Flatwasher 1/4"	2	
—11	4562298	Tube, Spacer	2	
—12	4761400	Lockwasher 1/4"	2	
—13	3311401	Nut 1/4"-20NC	2	
—14	3300202	Wingnut 1/4"-20NC (Detachable Box)	2	
—15	3534487	Plate, Mounting (Detachable Box)	1	
—16	0860556	Box, Control	1	
—17	1670469	Cover (Attaching Parts)	1	
—18	0750804	Screw, Machine #8 x 1/2"	4	
	4770800	Starwasher #8	4	
	3300177	Nut, Tinnerman	4	
—19	4420008	Tape, Sealing	2 Ft.	
—20	3251795	Nameplate	1	
—21	4360202	Switch, Toggle - DPDT/MC	4	
	4060229	Shield	4	
	3790012	O-Ring	4	
—22	4460052	Connector	1	
	0960239	Bushing	1	
	3300047	Locknut, Conduit	1	
—23	1060018	Cable, Electrical - 16/12 (CM40RT)	70 ft./21.3m	
	1060018	Cable, Electrical - 16/12 (CM33RT)	65 ft./19.8m	
	1060018	Cable, Electrical - 16/12 (CM25RT)	51 ft./15.5m	

SECTION 2 — ILLUSTRATED PARTS LIST

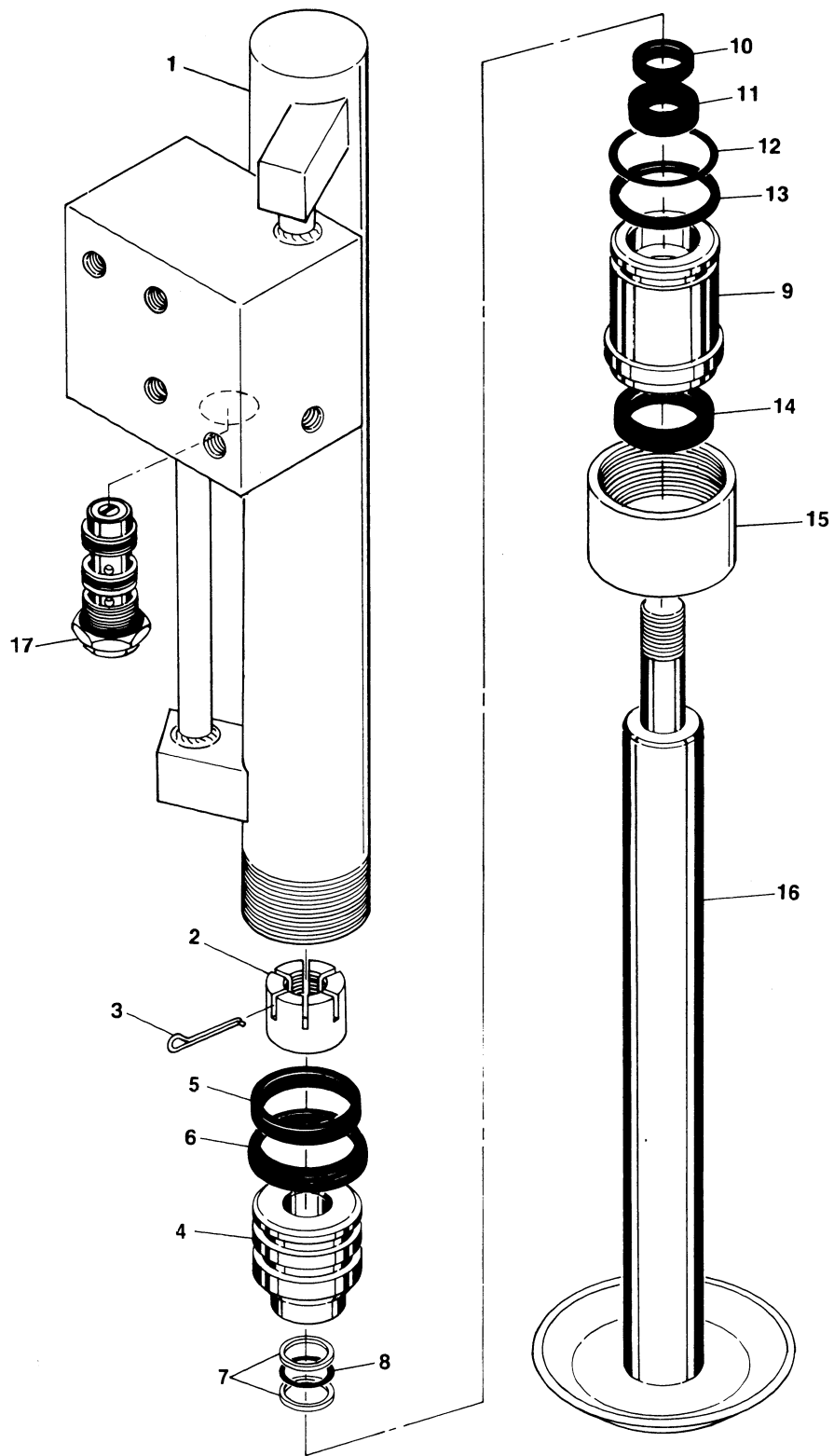


Figure 2-29. Jack Cylinder Assembly.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—29	1680378	JACK CYLINDER ASSEMBLY	Ref.	C
—1	1680661	Cylinder, Barrel	1	
—2	3300164	Nut, Piston Retaining	1	
	0100011	Loctite #242	A/R	
—3	3420931	Pin, Cotter	1	
—4	3480089	Piston	1	
—5	Kit	Ring, Wear	1	
—6	Kit	Seal, Piston	1	
—7	Kit	Back-Up Ring	2	
—8	Kit	O-Ring	1	
—9	1680895	Head	1	
—10	Kit	Ring, Wear	1	
—11	Kit	Back-Up Ring	1	
—12	Kit	O-Ring	1	
—13	Kit	Back-Up Ring	1	
—14	Kit	Wiper Seal	1	
—15	1120263	Cap, Head Retainer	1	
	0100011	Loctite #242	A/R	
—16	1681266	Rod	1	
—17	4640639	Valve, Cartridge	1	
	2901130	Seal Kit (Includes Items 5,6,7,8,10,11,12,13 and 14.)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

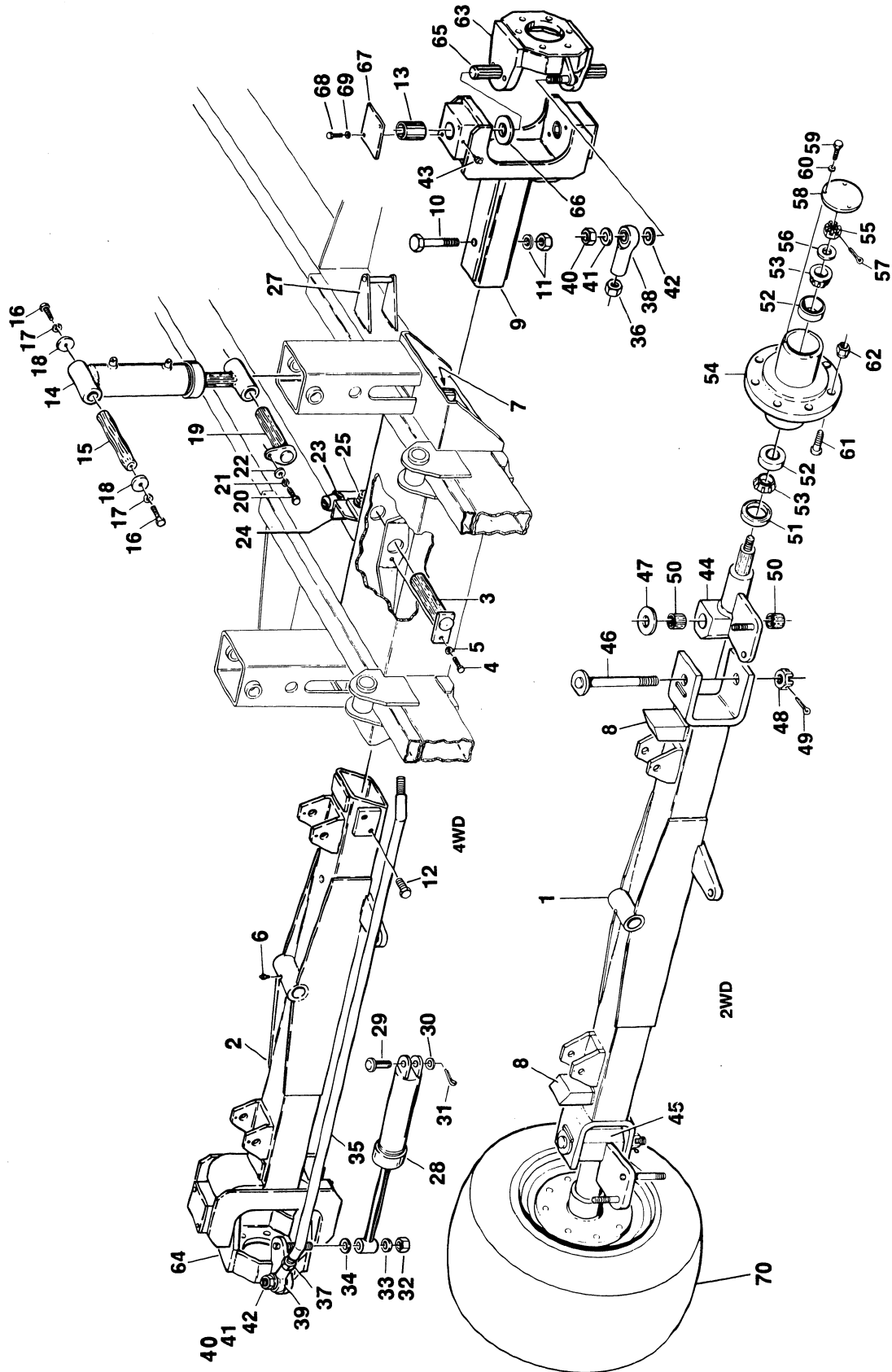


Figure 2-30. Axle and Steering Assemblies and Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—30		AXLE AND STEERING ASSEMBLIES AND INSTALLATIONS	Ref.	
	0251456	OSCILLATING AXLE INSTALLATION (2WD)	Ref.	A
	0251457	OSCILLATING AXLE INSTALLATION (4WD)	Ref.	B
—1	4843571	Front Axle Weldment (2WD)	1	
—2	4843592	Front Axle Weldment (4WD)	1	
		(Attaching Parts)		
—3	4842795	Pin Weldment	1	
—4	0641606	Bolt 3/8"-16NC x 3/4"	1	
—5	4761600	Lockwasher 3/8"	1	

	0961029	Bushing, Bronze	2	
—6	2160002	Fitting, Grease	1	
—7	3531655	Shim - 1/8"	A/R	
	3531656	Shim - 11/64"	A/R	
	3531657	Shim - 1/4"	A/R	
—8	0560901	Block, Stop (Fixed Axle Only)	2	
—9	4843596	Axle Yoke Weldment (4WD Only)	1	
		(Not Shown)		
		(Attaching Parts)		
—10	0642240	Bolt 3/4"-10NC x 5"		
—11	4752200	Flatwasher 3/4"	1	
	3312205	Locknut 3/4"-10NC	1	
—12	0642208	Bolt 3/4"-10NC x 1"	1	
	0100011	Loctite #242	1	

—13	0961029	Bushing, Bronze	4	
—14	1682427	Lockout Cylinder Assembly (Oscillating Axle Only)	2	
		(See Figure 2-32 for Breakdown)		
		(Attaching Parts)		
—15	3421335	Pin (Top)	1	
—16	0641606	Bolt 3/8"-16NC x 3/4" (Top)	2	
—17	4761600	Lockwasher 3/8" (Top)	2	
—18	4740308	Flatwasher, Special (Top)	2	
—19	4842794	Pin (Bottom)	1	
—20	0641406	Bolt 1/4"-20NC x 3/4" (Bottom)	1	
—21	4761400	Lockwasher 1/4" (Bottom)	1	
—22	4751400	Flatwasher 1/4" (Bottom)	1	
	0100011	Loctite #242	A/R	

—23	4640668	Lockout Valve Assembly (Oscillating Axle Only)	1	
		(Attaching Parts)		
	0721008	Screw, Machine #10-24NC x 1"	4	
	4761000	Lockwasher #10	4	
	331001	Nut #10-24NC	4	

	7012516	Kit, Repair	1	
—24	3534805	Plate, Mounting - Lockout Valve	1	
		(Attaching Part)		
—25	0641609	Bolt 3/8"-16NC x 1 1/8"	2	
	4751600	Flatwasher 3/8"	2	
	4761600	Lockwasher 3/8"	2	
	3311601	Nut 3/8"-16NC	2	

—26	Not Used			

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—30		AXLE AND STEERING ASSEMBLIES AND INSTALLATIONS (CONTINUED)	Ref.	
	0250819	STEERING INSTALLATION (2WD)	Ref.	B
	0251010	STEERING INSTALLATION (4WD)	Ref.	E
—27	4843735	Guide, Hose (4WD Only)	2	

		Steer Cylinder Installation	1	
—28	1681604	Steer Cylinder Assembly (See Figure 2-31 for Breakdown)	1	
		(Attaching Parts)		
—29	3431620	Pin, Clevis (Frame Attach)	1	
—30	4712600	Flatwasher 1" Narrow	1	
—31	3450608	Pin, Cotter	1	
—32	3322205	Locknut 3/4"-16NF (Spindle Attach)	1	
—33	4712200	Flatwasher 3/4"	1	
—34	4740321	Washer, Special	1	
		Tie-Rod Installation	1	
—35	3841051	Tie-Rod (2WD)	1	
	3841056	Tie-Rod (4WD)	1	
—36	3300230	Nut, Jam 3/4"-16NF (LH Threads) (2WD)	1	
—37	3322202	Nut, Jam 3/4"-16NF (RH Threads) (4WD)	1	
—38	1360188	Block, Tie-Block (LH Side) (2WD)	1	
	1360122	Block, Tie-Block (LH Side) (4WD)	1	
—39	1360122	Block, Tie-Block (RH Side)	1	
		(Attaching Parts)		
—40	3312205	Locknut 3/4"-10NC	1	
—41	4712200	Flatwasher 3/4" Narrow	1	
—42	4740372	Washer, Special	1	

—43	2160002	Fitting, Grease (2WD)	6	
	2160002	Fitting, Grease (4WD)	2	
	2160001	Fitting, Grease - 90° (4WD)	4	
		Spindle and Hub Installation (2WD)	1	
—44	4843578	Spindle (LH Side)	1	
—45	4843577	Spindle (RH Side)	1	
		(Attaching Parts)		
—46	3421340	King Pin	1	
—47	0440162	Washer, Thrust	1	
—48	3323003	Nut, Slotted 1 1/4"-12NF	1	
—49	3450610	Pin, Cotter 3/16" x 2 1/2"	1	

—50	0960839	Bushing, Bronze (2 Per Spindle)	4	
—51	3960353	Seal, Oil (1 Per Side)	2	
—52	0440174	Cup, Bearing (2 Per Side)	4	
—53	0440175	Cone, Bearing (2 Per Side)	4	
—54	2780177	Hub, Wheel	2	
		(Attaching Parts)		
—55	3322603	Nut, Slotted 1"-12NF	1	
—56	4740034	Washer, Special	1	
—57	3450610	Pin, Cotter 3/16" x 2 1/2"	1	

—58	1120311	Cap, Hub (1 Per Side) (2WD)	2	
		(Attaching Parts)		
—59	0721004	Screw, Machine #10-24NC x 1/2"	3	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—30		AXLE AND STEERING ASSEMBLIES AND INSTALLATION (CONTINUED)	Ref.	
—60	4761000	Lockwasher #10	3	
—61	0630137	Bolt, Wheel 5/8"-18NF x 1 7/8" (9 Per Side)	18	
—62	3300012	Nut, Wheel 5/8"-18NF (9 Per Side)	18	
—63	4130232	Spindle Installation (4WD)	1	
—64	4130233	Spindle (LH Side)	1	
		Spindle (RH Side)	1	
		(Attaching Parts)		
—65	3421190	Kingpin	2	
	0641608	Bolt 3/8"-16NC x 1" (2 Per Pin)	4	
	4761600	Lockwasher 3/8" (2 Per Pin)	4	
	1380124	Clip, Retainer (2 Per Pin)	4	
	4920096	Wire, Safety (1 Ft. Per Pin)	2 ft.	
—66	0440161	Washer, Thrust	1	
—67	3530244	Plate, Cover	2	
—68	0641404	Bolt 1/4"-20NC x 1/2" (2 Per Plate)	4	
—69	4761400	Lockwasher 1/4" (2 Per Plate)	4	
	0251438	TIRES AND WHEELS INSTALLATION	Ref.	
—70	0251437	Tire and Wheel Assembly (Foam Filled) (RH Side)	1	
	0251436	Tire and Wheel Assembly (Foam Filled) (LH Side)	1	
		Note: Foam-Filled Tire and Wheel Assemblies sold as assemblies only.		

SECTION 2 — ILLUSTRATED PARTS LIST

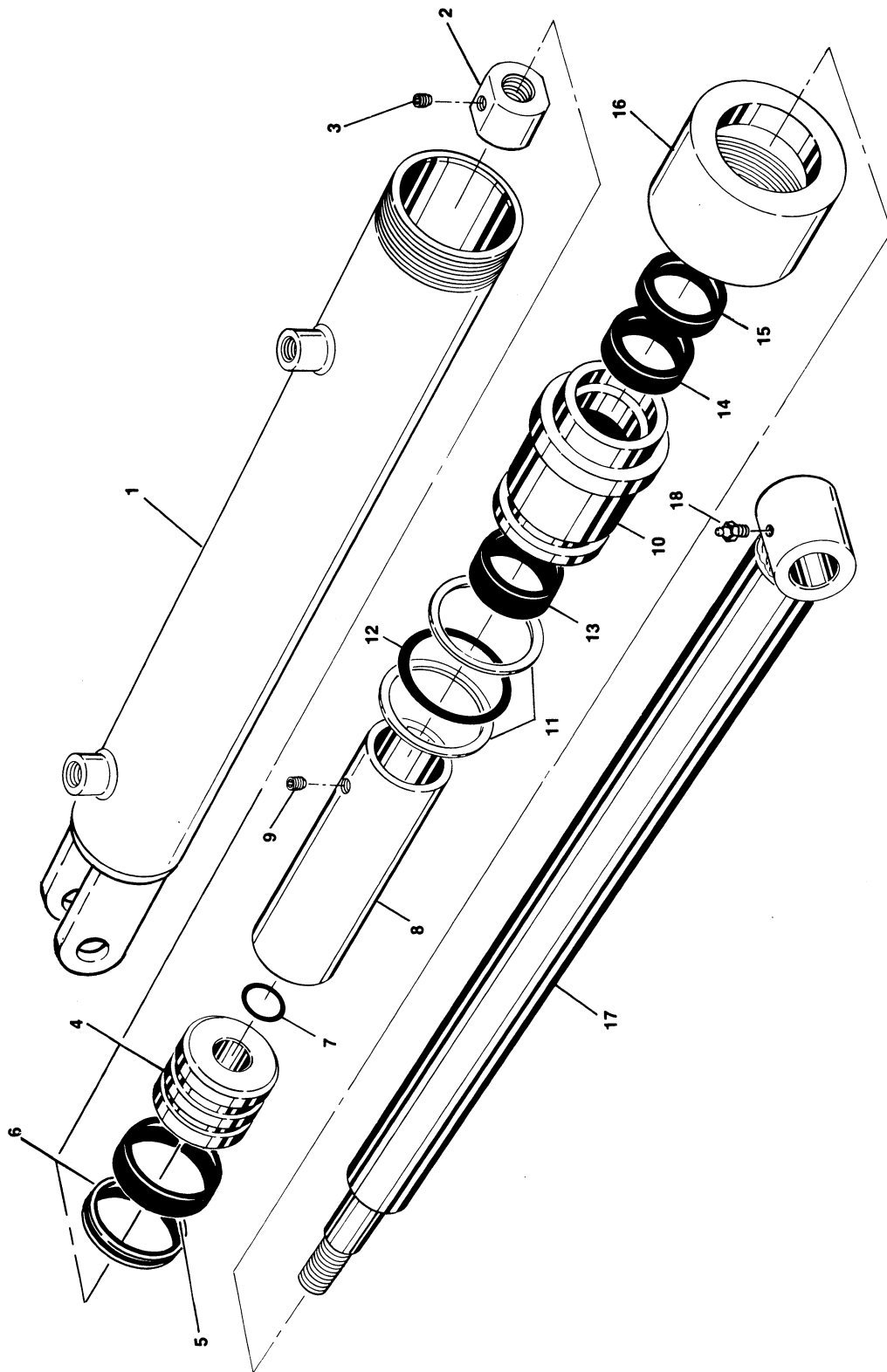


Figure 2-31. Steer Cylinder Assembly.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—31	1681604	STEER CYLINDER ASSEMBLY	Ref.	D
—1	1681607	Barrel Assembly	1	
—2	3300187	Nut	1	
—3	3900141	Set Screw	2	
	0100011	Nyloc	A/R	
—4	3480120	Piston	1	
—5	Kit	Ring	1	
—6	Kit	T-Seal	1	
—7	Kit	O-Ring	1	
—8	4563142	Tube, Spacer	1	
—9	3900141	Set Screw	1	
	0100011	Nyloc	A/R	
—10	1680892	Head, Cylinder	1	
—11	Kit	Ring	2	
—12	Kit	O-Ring	1	
—13	Kit	Ring, Wear	1	
—14	Kit	Seal, Rod	1	
—15	Kit	Seal, Wiper	1	
—16	1120179	Head, Retainer	1	
—17	1681605	Rod Assembly	1	
—18	2160002	Fitting, Grease	1	
	2901119	Seal Kit (Includes Items 5,6,7,11,12,13,14 and 15)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

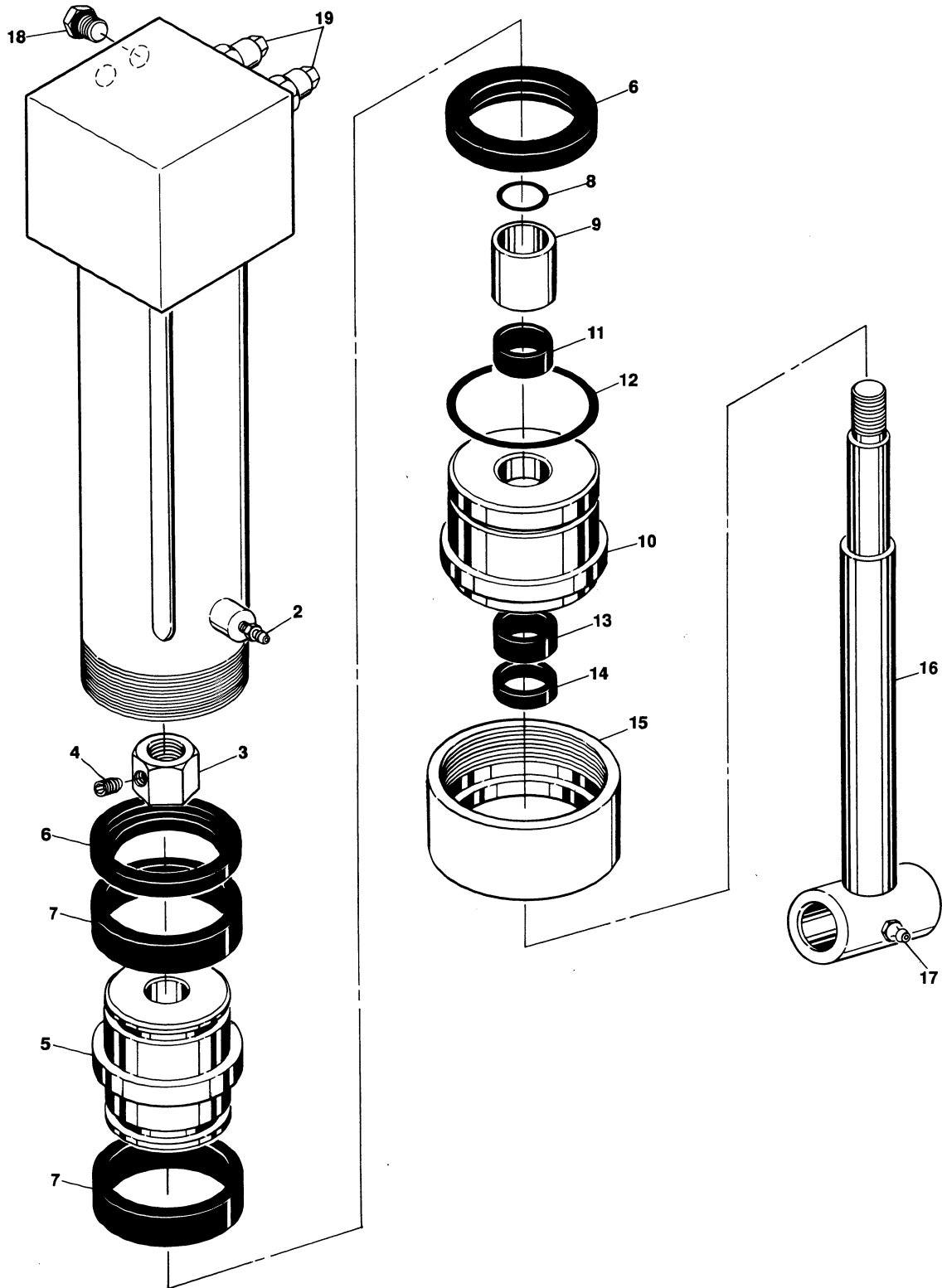


Figure 2-32. Lockout Cylinder Assembly.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—32	1682427	LOCKOUT CYLINDER ASSEMBLY	Ref.	B
—1	1682428	Barrel Assembly	1	
—2	4640273	Bleeder	1	
—3	3300273	Nut, Hex	1	
	0100011	Loctite #242	A/R	
—4	3900170	Set Screw 3/8"-16NC x 3/8"	1	
—5	3480116	Piston	1	
—6	Kit	Seal	2	
—7	Kit	Ring, Lock	2	
—8	Kit	O-Ring	1	
—9	4564606	Spacer	1	
—10	1681322	Head	1	
—11	Kit	Ring	1	
—12	Kit	O-Ring	2	
—13	Kit	Seal, Rod	1	
—14	Kit	Seal, Wiper	1	
—15	1120108	Head, Retainer	1	
	0100035	Loctite #222	A/R	
—16	1681609	Rod Assembly	1	
—17	2160002	Fitting, Grease	1	
—18	2220237	Fitting, Plug	2	
—19	4640525	Valve, Check - Pilot - Operated	2	
	2900379	Seal Kit (Includes Items 6,7,8,11,12,13 and 14)	1	
	2900770	Seal Kit - 4640525 Valve	2	

SECTION 2 — ILLUSTRATED PARTS LIST

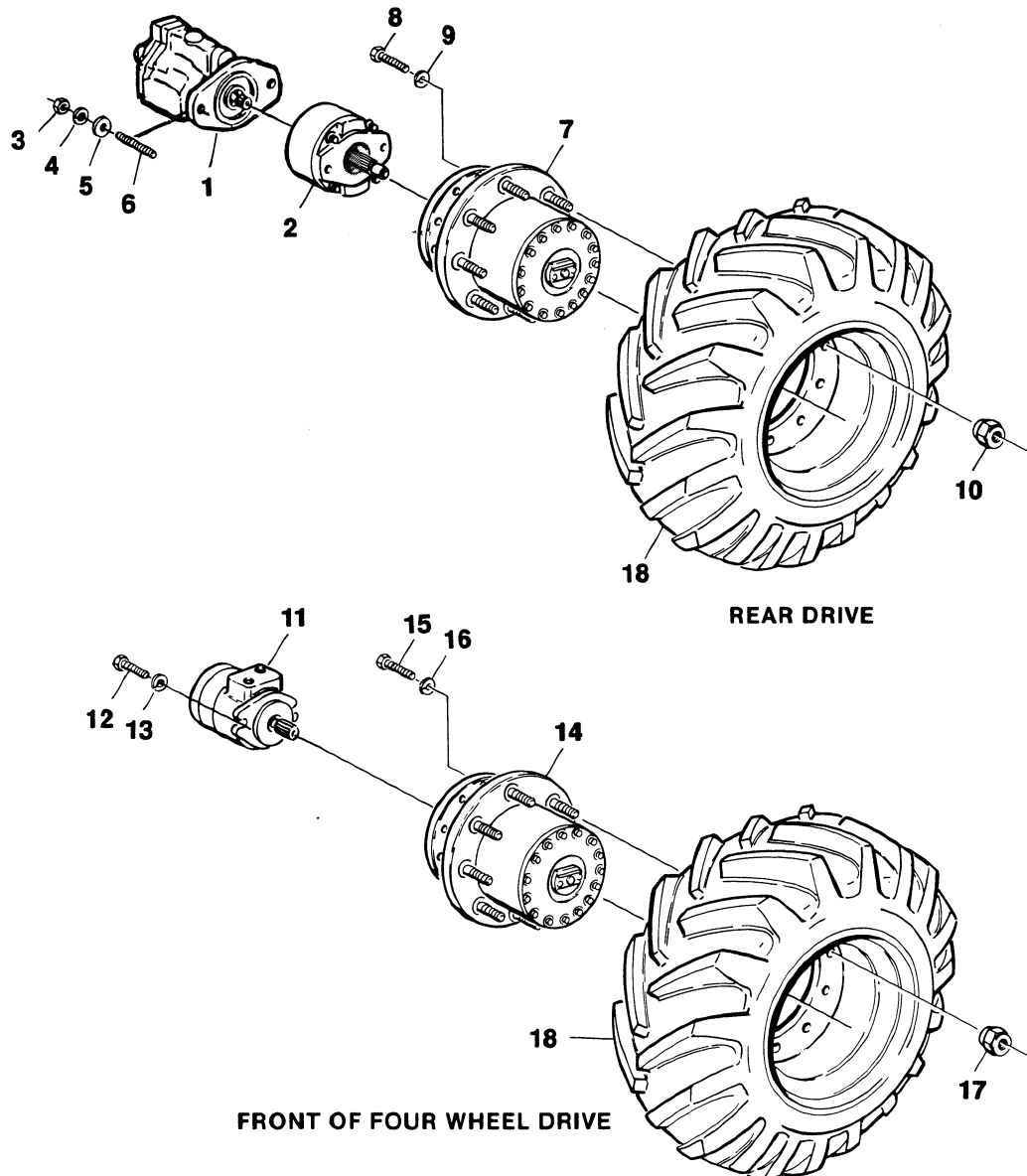


Figure 2-33. Wheel Drive Installations.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—33		WHEEL DRIVE INSTALLATIONS	Ref.	
	0251022	WHEEL DRIVE INSTALLATION (2WD FORD AND DEUTZ MACHINES)	Ref.	A
	0252304	WHEEL DRIVE INSTALLATION (2WD ELECTRIC MACHINES)	Ref.	—
	0251023	WHEEL DRIVE INSTALLATION (4WD REAR)	Ref.	A
—1	3160080	Drive Motor Assembly (Ford and Deutz Machines) (See Figure 2-34 for Breakdown)	2	
	3160118	Drive Motor Assembly (Electric Machines) (See Figure 2-34 for Breakdown)	2	
—2	0920027	Drive Brake Assembly (See Figure 2-36 for Breakdown) (Attaching Parts)	2	
—3	3311801	Nut 1/2"-13NC	2	
—4	4761800	Lockwasher 1/2"	2	
—5	4711800	Flatwasher 1/2" Narrow	2	
—6	4300074	Stud 1/2"-13NC x 6 1/8"	2	
	0100011	Loctite #242	A/R	
—7	2780168	Drive Hub Assembly (2WD) (See Figure 2-37 for Breakdown)	2	
	2780167	Drive Hub Assembly (4WD) (See Figure 2-37 for Breakdown) (Attaching Parts)	2	
—8	0642014	Bolt 5/8"-11NC x 1 3/4"	6	
—9	4762000	Lockwasher 5/8"	6	
—10	3300012	Nut, Wheel (9 Per Side)	18	
	0251010	WHEEL DRIVE INSTALLATION (4WD - FRONT)	Ref.	E
—11	3160170	Drive Motor Assembly (See Figure 2-35 for Breakdown) (Attaching Parts)	2	
—12	0641810	Bolt 1/2"-13NC x 1 1/4"	2	
—13	4761800	Lockwasher 1/2"	2	
—14	2780172	Drive Hub/Brake Assembly (See Figure 2-38 for Breakdown) (Attaching Parts)	2	
—15	0642014	Bolt 5/8"-11NC x 1 3/4"	8	
—16	4762000	Lockwasher 5/8"	8	
—17	3300012	Nut, Wheel (9 Per Side)	18	
	0239785	TIRE AND WHEEL INSTALLATION (80" WHEELBASE 2WD)	Ref.	—
	0250345	TIRE AND WHEEL INSTALLATION (80" WHEELBASE 4WD)	Ref.	—
	0251438	TIRE AND WHEEL INSTALLATION (89" WHEELBASE - ALL)	Ref/	—
—18	0251437	Tire and Wheel Assembly - Foam-Filled (RH Side)	2	
	0251436	Tire and Wheel Assembly - Foam-Filled (LH Side)	2	
		Note: Foam-Filled Tire and Wheel Assemblies Sold as Complete Assemblies Only.		

SECTION 2 — ILLUSTRATED PARTS LIST

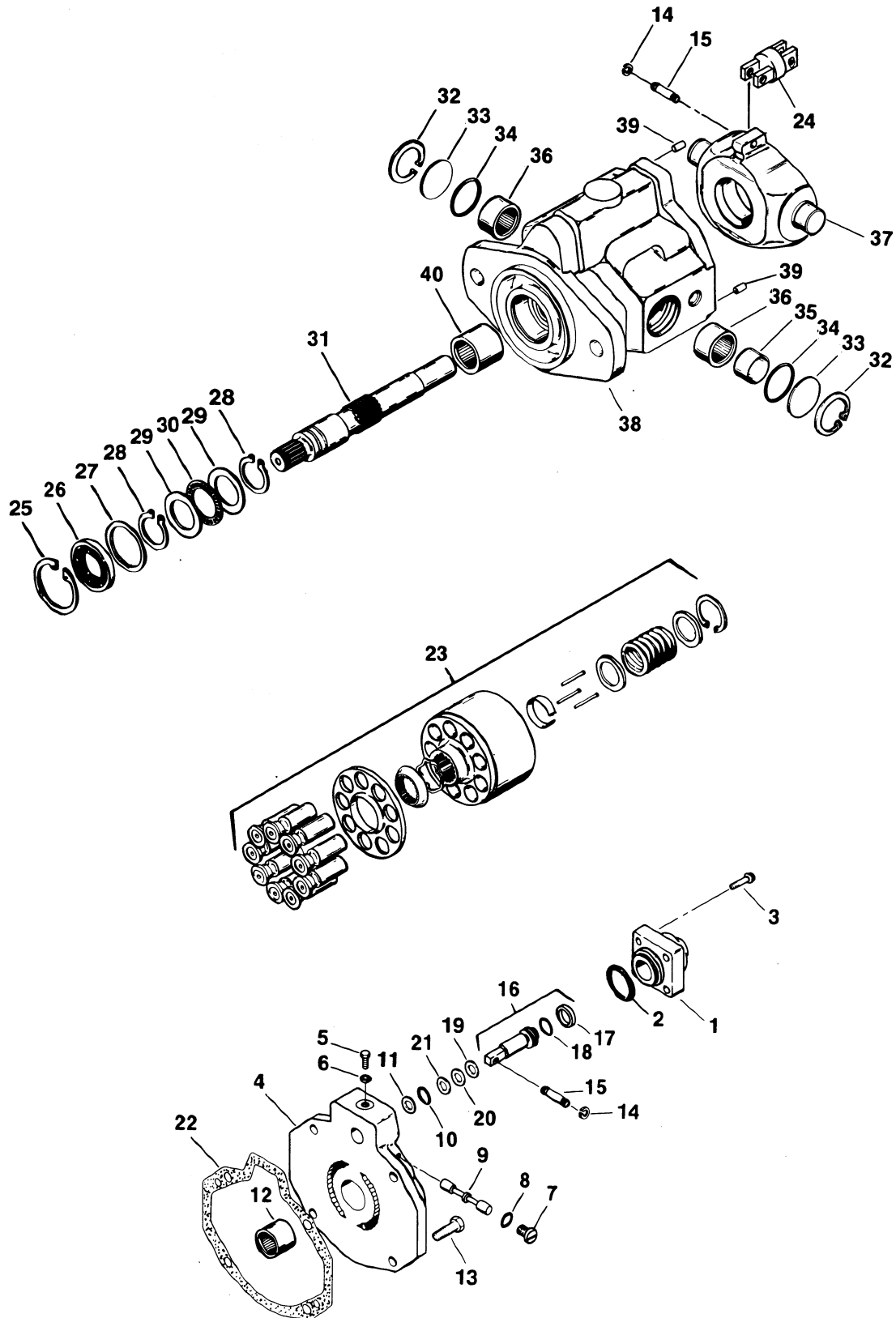


Figure 2-34. Drive Motor Assembly (2WD and 4WD Rear).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—34	3160080	DRIVE MOTOR ASSEMBLY(2WD AND 4WD REAR FORD AND DEUTZ MACHINES)	Ref.	A
	3160118	DRIVE MOTOR ASSEMBLY (2WD ELECTRIC MACHINES)	Ref.	A
—1	7004939	Control Piston Housing Assembly	1	
—2	Kit	O-Ring	1	
—3	7004938	Bolt, Socket Head	4	
—4	7004941	Backplate Assembly	1	
—5	7004942	Plug Assembly	1	
—6	Kit	O-Ring	1	
—7	7004944	Plug Assembly (Shuttle Spool)	2	
—8	Kit	O-Ring	1	
—9	7004946	Spool, Shuttle	1	
—10	Kit	O-Ring	1	
—11	7004918	Washer, Backup	1	
—12	7004917	Bearing, Needle	1	
—13	7004933	Bolt	4	
—14	7004937	Ring, Retaining	4	
—15	7004929	Pin, Connector	2	
—16	7004948	Control Piston Assembly	1	
—17	Kit	Ring, Slippery	1	
—18	Kit	O-Ring	1	
—19	4100028	Spacer, Piston - .105"/2.7mm	A/R	
—20	4100027	Spacer, Piston - .092"2.3mm	A/R	
—21	4100029	Spacer, Piston - .110/2.8mm	A/R	
—22	Kit	Gasket, Housing	1	
—23	7004916	Rotating Kit Assembly (Sold as an Assembly Only)	1	
—24	7004928	Connector, Camplate	1	
—25	Kit	Ring, Retaining	1	
—26	Kit	Seal, Shaft	1	
—27	7004906	Washer	1	
—28	Kit	Ring, Retaining	2	
—29	7004907	Race, Thrust	2	
—30	7004908	Bearing, Thrust	1	
—31	7004912	Shaft, Drive	1	
—32	Kit	Ring, Retaining	2	
—33	7004913	Cover, Trunnion	2	
—34	Kit	O-Ring	2	
—35	7004911	Race, Inner	1	
—36	7004914	Bearing	2	
—37	7004927	Camplate	1	
—38	7004959	Housing Assembly	1	
—39	7004960	Pin, Roll (1/4" Dia. x 1/2" Long)	2	
—40	7004910	Bearing	1	
	2900449	Seal Repair Kit (Includes Items 2,6,8,10,22,25,26, 28,32 and 34)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

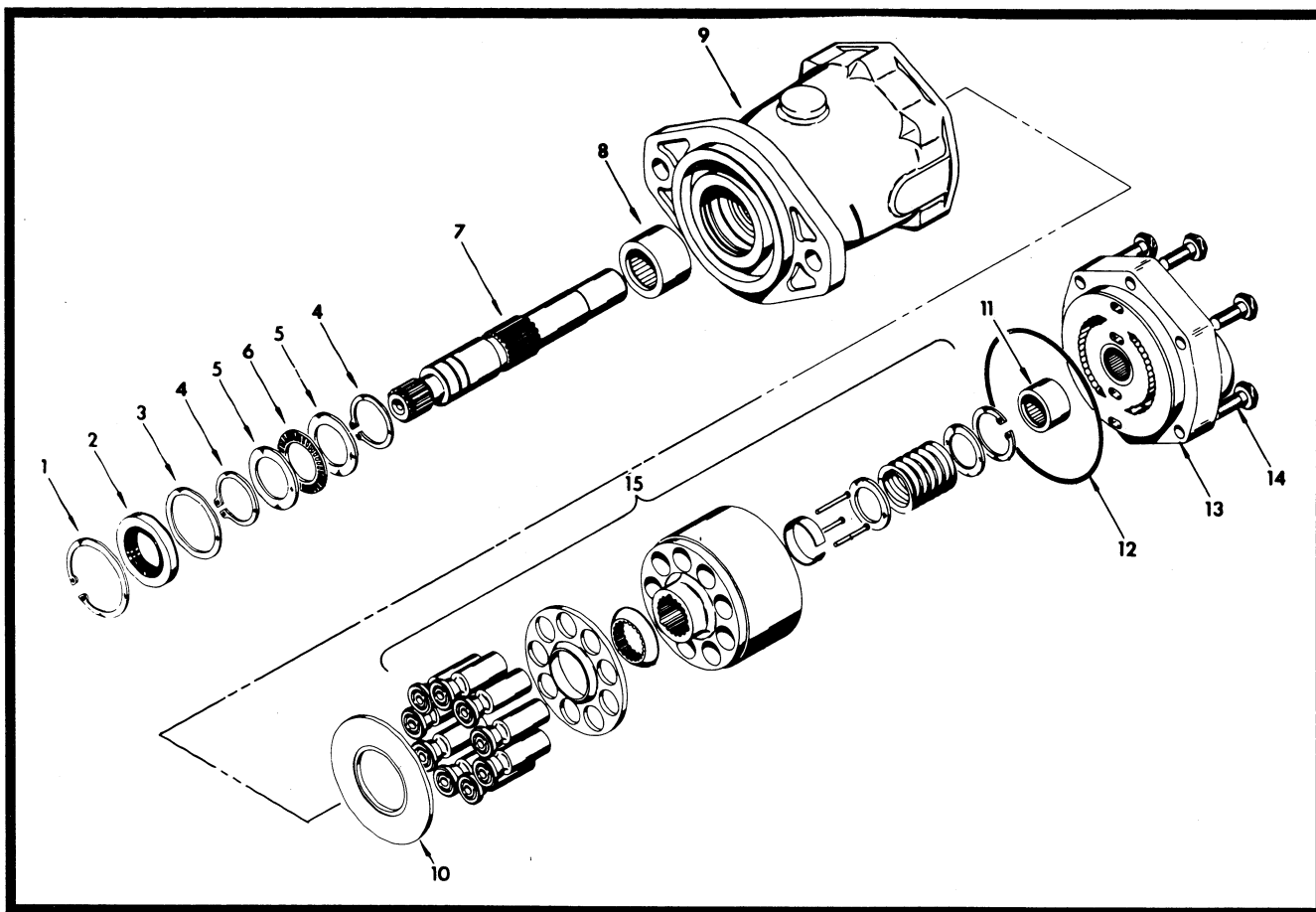


Figure 2-35. Drive Motor Assembly (4WD Front).

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—35	3160170	DRIVE MOTOR ASSEMBLY (4WD FRONT)	Ref.	—
—1	Kit	Ring, Retaining	1	
—2	Kit	Seal, Shaft	1	
—3	7004906	Washer	1	
—4	Kit	Ring, Retaining	2	
—5	7004907	Race, Thrust	2	
—6	7004908	Bearing, Thrust	1	
—7	7007874	Shaft, Splined	1	
—8	7004910	Bearing	1	
—9	7007881	Housing Assembly (Includes Item 8)	1	
—10	7007876	Insert, Cam Plate	1	
—11	7004917	Bearing	1	
—12	Kit	O-Ring	1	
—13	7007882	Backplate Assembly (Includes Item 11)	1	
—14	7007879	Bolt	6	
—15	7007883	Rotating Kit Assembly (Sold As An Assembly Only)	1	
	2900714	Seal Kit (Includes 1,2,4 and 12)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

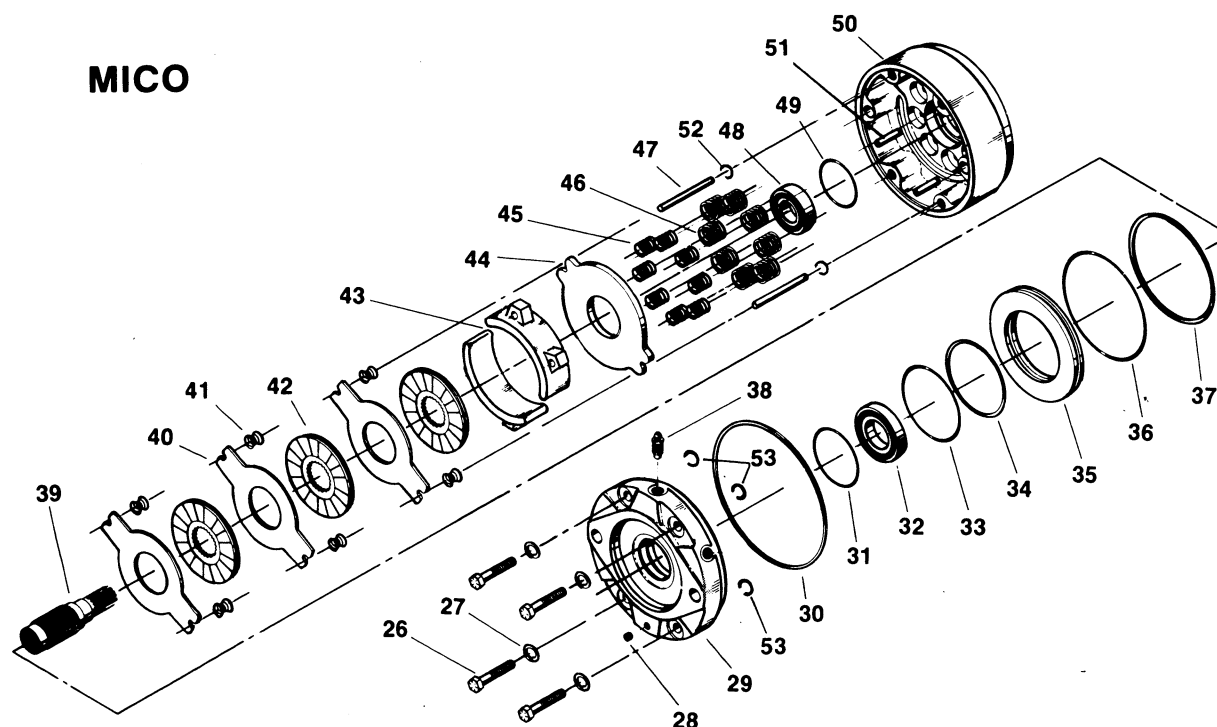
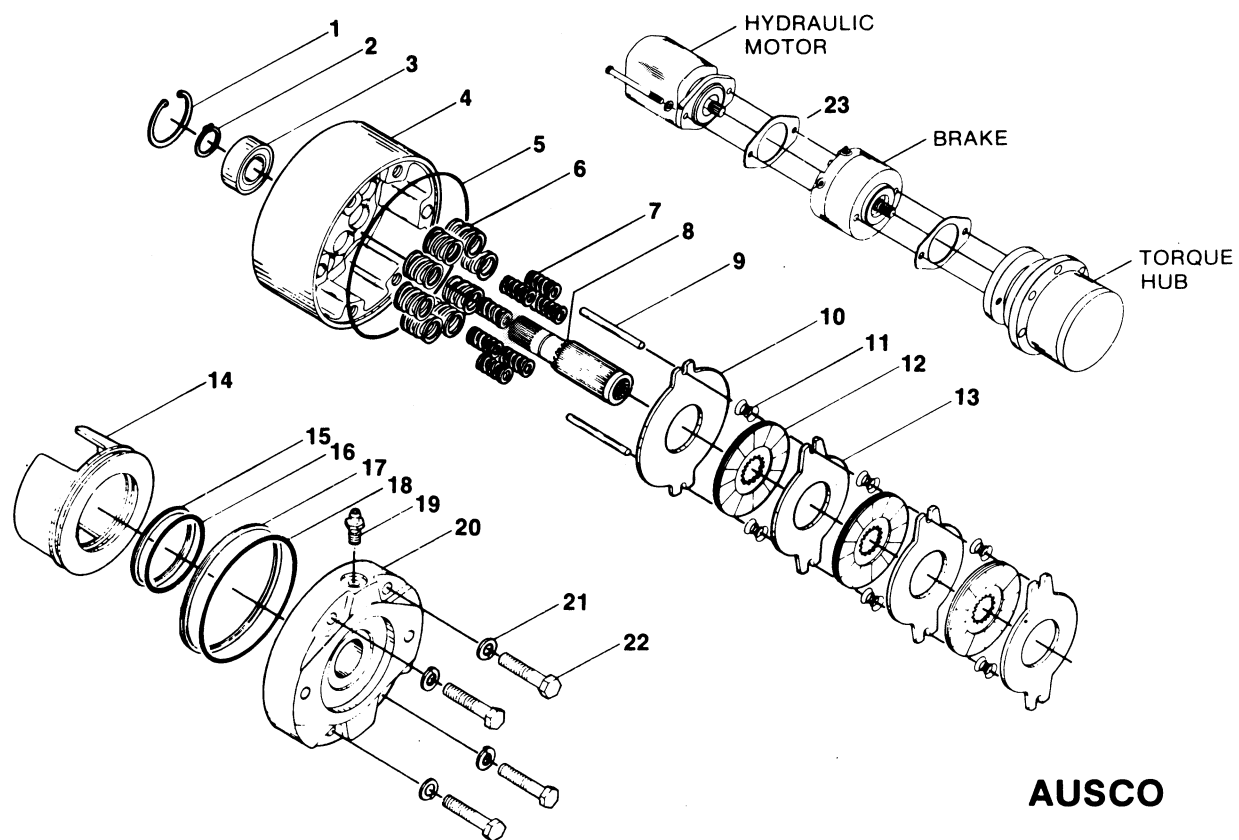


Figure 2-36. Brake Assemblies - Ausco and Mico.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—36	0920027	BRAKE ASSEMBLY - AUSCO AND MICO	Ref.	G
		BRAKE ASSEMBLY - AUSCO	Ref.	
—1	Kit	Ring, Retaining	1	
—2	Kit	Ring, Retaining	1	
—3	7000713	Bearing, Ball	1	
—4	7000714	Housing	1	
	7003010	Retainer, Spring	1	
—5	7000759	O-Ring	1	
—6	7000782	Spring, Compression	8	
—7	7000798	Spring, Compression	8	
—8	7000716	Shaft	1	
—9	7000717	Pin, Torque	2	
—10	7000718	Disc, Primary	1	
—11	7003006	Spring, Compression	6	
—12	7000732	Disc, Rotating	3	
—13	7000720	Disc, Stationary	3	
—14	7000721	Piston	1	
—15	Kit	Ring, Back-Up	1	
—16	Kit	O-Ring	1	
—17	Kit	Ring, Back-Up	1	
—18	Kit	O-Ring	1	
—19	7000796	Bleeder	1	
—20	7000727	Plate, Power	1	
—21	7000729	Lockwasher	4	
—22	7000730	Bolt	4	
	7003007	Bolt, Flanged	4	
—23	Kit	Gasket	2	
—24	Not Used			
—25	Not Used			
	2900131	Seal Kit (Includes Items 1,2,15,16,17,18 and 24)	1	
		BRAKE ASSEMBLY - MICO	Ref.	
—26	7007913	Cap Screw	4	
—27	7007912	Lockwasher	4	
—28	7007924	Pipe Plug	1	
—29	7007975	Cover	1	
—30	Kit	Square Ring	1	
—31	Kit	O-Ring	1	
—32	7007920	Bearing	1	
—33	Kit	O-Ring	1	
—34	Kit	Back-Up Ring	1	
—35	7007923	Piston	1	
—36	Kit	O-Ring	1	
—37	Kit	Back-Up Ring	1	
—38	7007914	Bleeder Screw	1	
—39	7007903	Shaft	1	
—40	7007908	Disc	3	
—41	7007916	Spring	6	
—42	7007909	Friction Disc	3	
—43	7007902	Separator	2	
—44	7007907	Disc (Large Diameter)	1	
—45	7007906	Spring	8	
—46	7007905	Spring	8	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—36	0920027	BRAKE ASSEMBLY (CONTINUED)	Ref.	G
—47	7007915	Pin, Dowel	2	
—48	7007904	Bearing	1	
—49	Kit	Oil Seal	1	
—50	7007976	Housing	1	
—51	7007901	Spirol Pin	4	
—52	Kit	O-Ring	2	
—53	Kit	O-Ring	4	
	7007933	Mounting Gasket (Not Shown)	1	
	2900641	Seal Kit (Includes Items 30,31,32,33,34,36,37,49,52 and 53)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

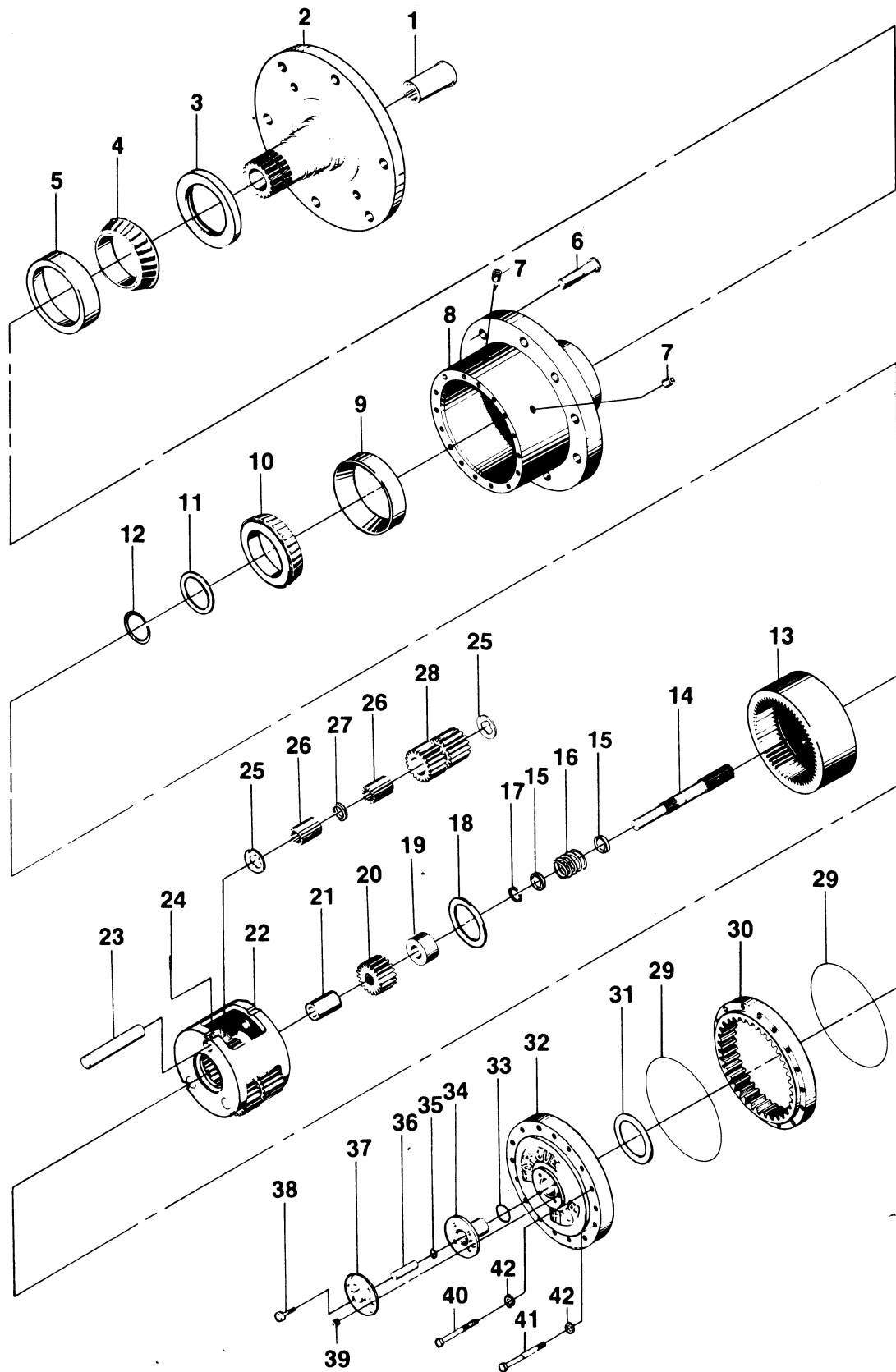


Figure 2-37. Drive Hub Assembly (2WD and 4WD Rear).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—37	2780168	DRIVE HUB ASSEMBLY (2WD REAR)	Ref.	—
	2780167	DRIVE HUB ASSEMBLY (4WD REAR)	Ref.	—
—1	7000206	Coupling	1	
—2	7001997	Spindle	1	
—3	7001998	Seal	1	
—4	Kit	Cone, Bearing	1	
—5	Kit	Cup, Bearing	1	
—6	7007697	Bolt, Wheel	9	
—7	7000242	Plug, Pipe	2	
—8	7007601	Hub	1	
—9	7000257	Cup, Bearing	1	
—10	7000258	Cone, Bearing	1	
—11	7000232	Spacer	1	
—12	7000229	Ring, Retaining	1	
—13	7000246	Gear, Internal	1	
	7000250	Input Shaft Assembly (2780168)	1	
	7007650	Input Shaft Assembly (2780167)	1	
—14	7000260	Shaft (2780168)	1	
	7007651	Shaft (2780167)	1	
—15	7000263	Spacer	2	
—16	7000262	Spring	1	
—17	7000261	Ring, Retaining	1	
—18	7000253	Washer, Thrust	1	
—19	7000252	Spacer (2780168)	1	
	7007653	Spacer (2780167)	1	
—20	7000201	Gear, Input (2780168)	1	
	7007652	Gear, Input (2780167)	1	
—21	7007654	Spacer (2780167 Only)	1	
	7000247	Carrier Assembly (2780167)	1	
	7000202	Carrier Assembly (2780168)	1	
—22	7001931	Carrier	1	
—23	7001911	Shaft	3	
—24	7001913	Pin, Roll	3	
—25	7001985	Washer, Thrust	6	
—26	7001909	Roller, Needle	96	
—27	7000263	Spacer	3	
—28	7001912	Gear, Cluster (2780167)	3	
	7007643	Gear, Cluster (2780168)	3	
—29	7000230	O-Ring	2	
—30	7000248	Gear, Ring (2780167)	1	
	7000203	Gear, Ring (2780168)	1	
—31	7000253	Washer, Thrust	1	
	7001989	Cover Assembly	1	
—32	7000226	Cover	1	
—33	7000215	O-Ring	1	
—34	7000227	Cap, Cover	1	
—35	7000213	O-Ring	1	
—36	7000212	Rod, Disconnect	1	
—37	7000211	Cap, Disconnect	1	
—38	7000220	Bolt	4	
—39	7000243	Plug, Pipe	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—37		DRIVE HUB ASSEMBLY (CONTINUED)	Ref.	
—40	7000217	Bolt	12	
—41	7000214	Bolt, Shoulder	4	
—42	7007603	Flatwasher	16	
	7010429	----- Bearing Kit (Includes Items 4 and 5)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

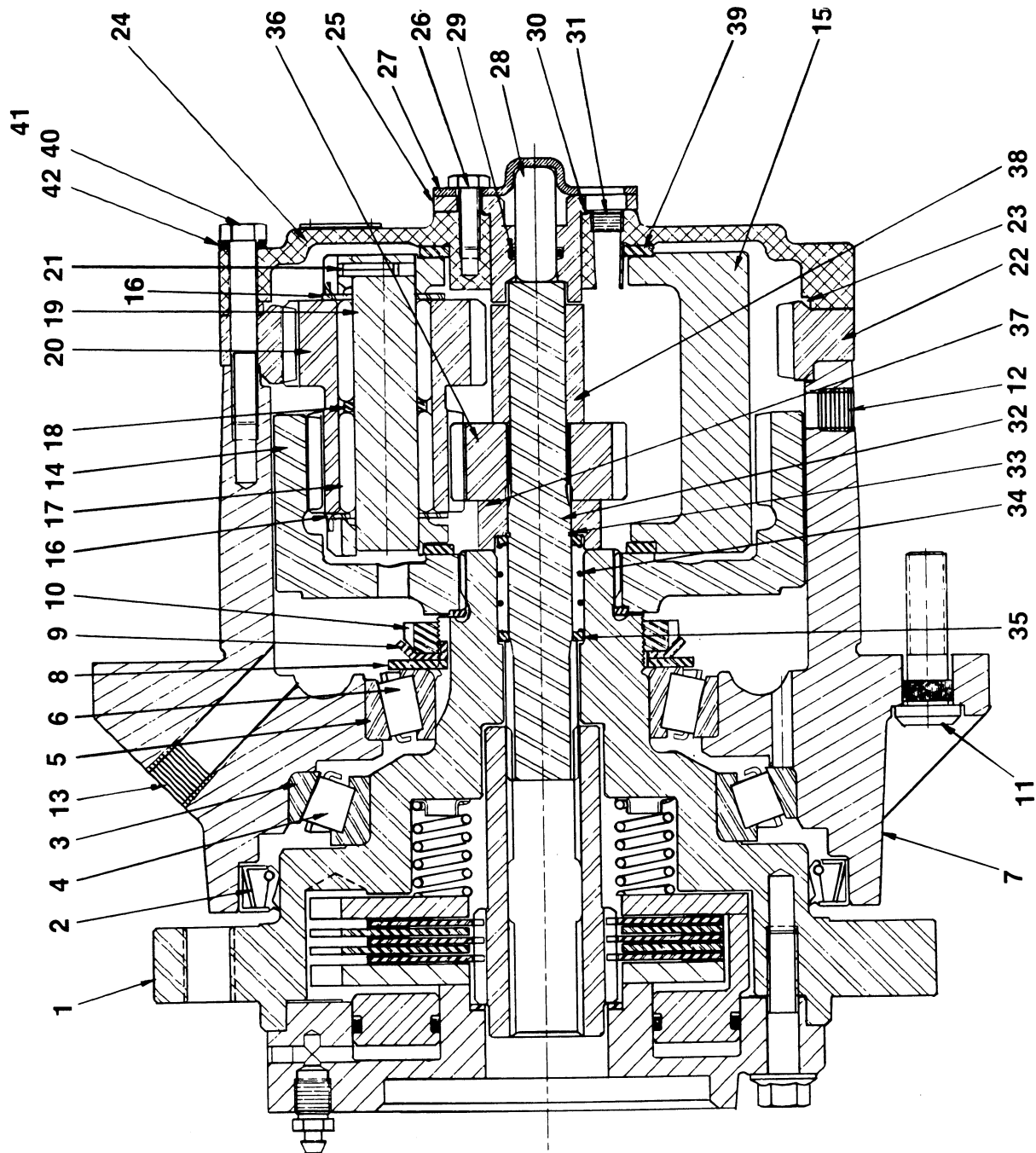


Figure 2-38. Drive Hub/Brake Assembly (4WD Front).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—38	2780172	DRIVE HUB/BRAKE ASSEMBLY (4WD FRONT)	Ref.	—
		Hub/Spindle Assembly	1	
—1	7010454	Spindle	1	
—2	Kit	Seal	1	
—3	7007683	Cup, Bearing	1	
—4	7007684	Cone, Bearing	1	
—5	7007685	Cup, Bearing	1	
—6	7007686	Cone, Bearing	1	
—7	7007687	Hub	1	
—8	7007688	Washer, Tongued	1	
—9	7007689	Lockwasher	1	
—10	7007690	Locknut	1	
—11	7000241	Stud	9	
—12	7000242	Plug, Pipe	2	
—13	7007617	Plug, Magnetic	2	
—14	7007691	Gear, Internal	1	

		Carrier Assembly	1	
—15	7001931	Carrier	1	
—16	7001985	Washer, Thrust	6	
—17	7001909	Roller, Needle	96	
—18	7000263	Spacer	3	
—19	7001911	Shaft, Planet	3	
—20	7001912	Gear, Cluster	3	
—21	7001913	Pin, Roll	3	
—22	7000248	Gear, Ring	1	
—23	Kit	O-Ring	2	

	7001989	Cover Assembly	1	
—24	7000226	Cover	1	
—25	7000227	Cap, Cover	1	
—26	7000220	Bolt	4	
—27	7000211	Cap, Disconnect	1	
—28	7000212	Rod, Disconnect	1	
—29	Kit	O-Ring	1	
—30	Kit	O-Ring	1	
—31	7000243	Plug, Pipe	2	

	7000250	Input Shaft Assembly	1	
—32	7000260	Shaft, Input	1	
—33	7000261	Ring, Retaining	1	
—34	7000262	Spring	1	
—35	7000263	Spacer	2	
—36	7000251	Gear, Input	1	
—37	7000252	Spacer, Input	1	
—38	7007654	Spacer, Thrust	1	
—39	7000253	Washer, Thrust	2	
—40	7000217	Bolt	12	
—41	7000214	Bolt, Shoulder	4	
—42	7007603	Flatwasher	16	
—43	Kit	Gasket	1	
—44	7010453	Brake Assembly	1	
—45	7003087	Disc, Stationary	2	
—46	7003089	Disc, Rotating	3	
—47	7003088	Piston	1	
—48	7010455	Coupling	1	
	2900754	Seal Kit - Hub (Includes Items 2,23,29,30 and 43)	1	
	2900755	Seal Kit - Brake (Includes Piston Rings and Gaskets)	1	

New 9/91

SECTION 2 — ILLUSTRATED PARTS LIST

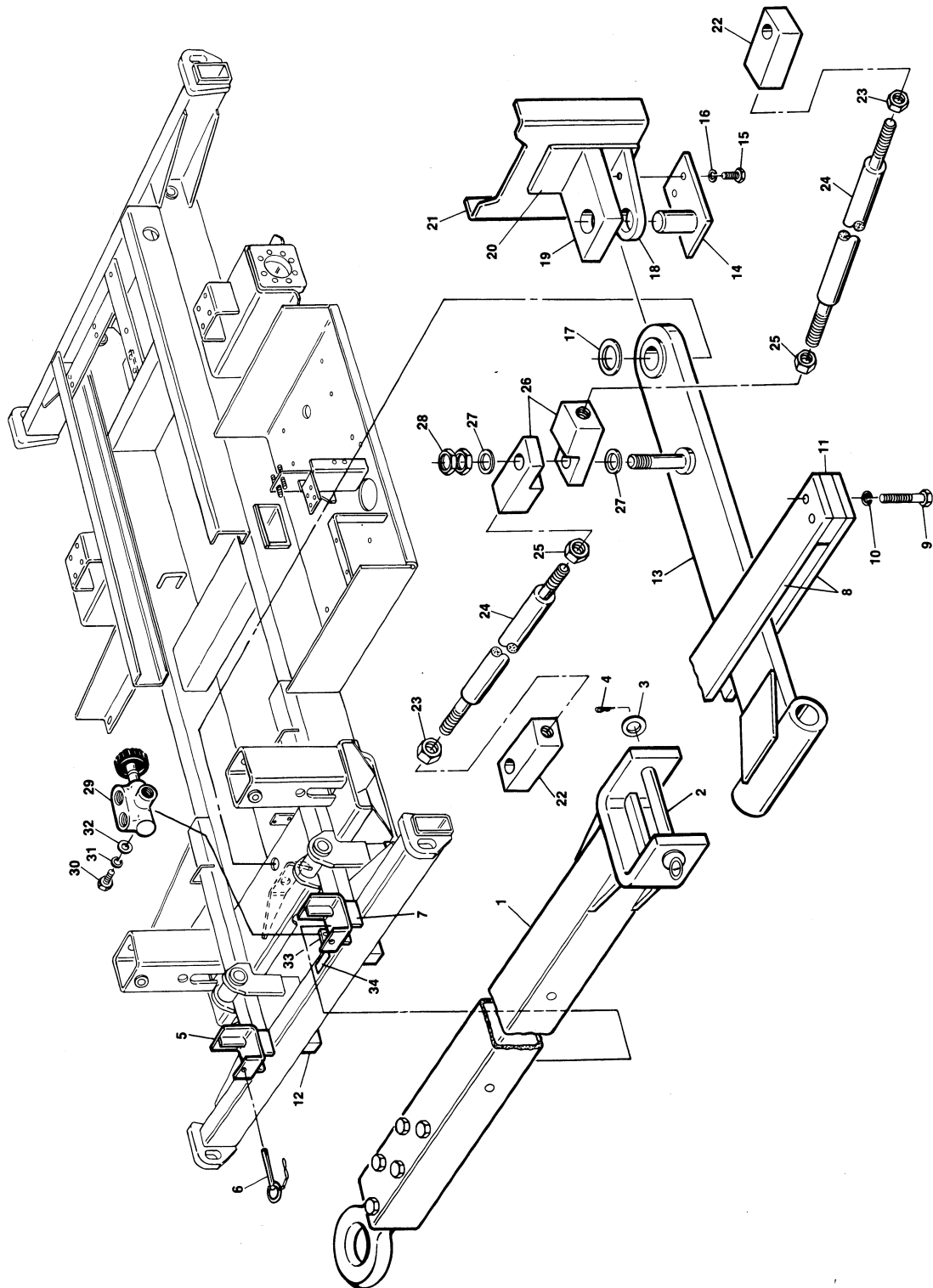


Figure 2-39. Tow Package Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—39	0250956	TOW PACKAGE INSTALLATION	Ref.	—
—1	0250145	Tow Bar Assembly	1	A
—2	3420447	Pin, Tow	1	
—3	4740036	Flatwasher, Special	1	
—4	3420372	Hairpin	1	
—5	0901611	Bracket, Stowage - Tow Bar	2	
—6	3420292	Pin, Quick Release	2	
	1260017	Chain (8' Lengths)	2	
—7	3534336	Plate, Support - Stow Bracket	4	
—8	3534337	Plate, Support - Tongue (Attaching Parts)	2	
—9	0641824	Bolt 1/2"-13NC x 3"	4	
—10	4761800	Lockwasher 1/2"	4	
—11	0560885	Block, Spacer	2	
—12	0560886	Block, Mounting (Welded on Part)	2	
—13	4843653	----- Tongue, Towing (Attaching Parts)	1	
—14	3421707	Pin, Hitch	1	
—15	0641608	Bolt 3/8"-16NC x 1"	2	
—16	4761600	Lockwasher 3/8"	2	
—17	4740307	Washer, Thrust	2	
—18	3040452	----- Lug, Hitch (Welded on Part)	1	
—19	0361800	Bar, Hitch (Welded on Part)	1	
—20	3533726	Plate, Hitch (Welded on Part)	1	
—21	3533727	Support, Hitch (Welded on Part)	1	
—22	0560703	Block, Tie-Rod	2	
—23	3300228	Nut, Jam 1"-12NF (LH Threads)	2	
—24	3841058	Tie-Rod	2	
—25	3322502	Nut, Jam 1"-12NF	2	
—26	0560884	Block, Tie-Rod	2	
—27	4752600	Flatwasher 1"	2	
—28	3312605	Locknut 1"-8NC	1	
—29	4640261	----- Valve Assembly - Tow (Attaching Parts)	1	
—30	0641507	Bolt 5/16"-18NC x 7/8"	2	
—31	4761500	Lockwasher 5/16"	2	
—32	4751500	Flatwasher 5/16"	2	
—33	0900479	Plate, Mounting - Valve (Welded on Part)	1	
—34	3250872	----- Nameplate - Steer/Tow	1	
	3820001	Rivet	4	

SECTION 2 — ILLUSTRATED PARTS LIST

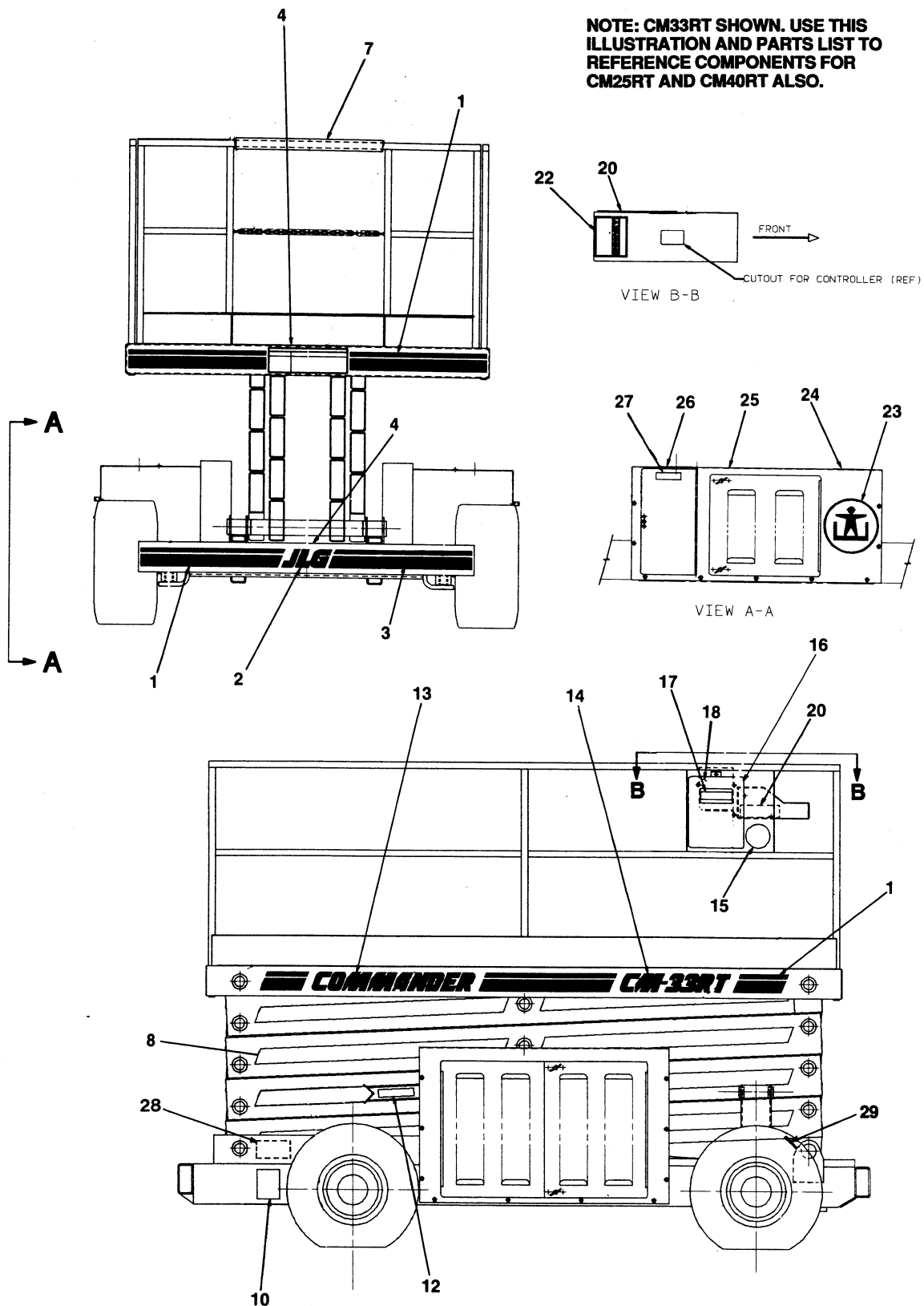


Figure 2-40. Nameplates and Decals Installation.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—40	0251983	NAMEPLATES AND DECALS INSTALLATION - COMMON PARTS	Ref.	—
	0251990	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM40RT WITH FIXED PLATFORM)	Ref.	A
	0251991	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM40RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252014	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM40RT WITH TRAVERSING PLATFORM)	Ref.	A
	0251992	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM33RT WITH FIXED PLATFORM)	Ref.	A
	0251993	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM33RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252015	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM33RT WITH TRAVERSING PLATFORM)	Ref.	A
	0251994	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM25RT WITH FIXED PLATFORM)	Ref.	A
	0251995	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM25RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252016	NAMEPLATES AND DECALS INSTALLATION - ENGLISH (CM25RT WITH TRAVERSING PLATFORM)	Ref.	A
	0251996	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM40RT WITH FIXED PLATFORM)	Ref.	A
	0251997	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM40RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252017	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM40RT WITH TRAVERSING PLATFORM)	Ref.	A
	0251998	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM33RT WITH FIXED PLATFORM)	Ref.	A
	0251999	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM33RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252018	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM33RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252000	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM25RT WITH FIXED PLATFORM)	Ref.	A
	0252001	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM25RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252019	NAMEPLATES AND DECALS INSTALLATION - FRENCH (CM25RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252002	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM40RT WITH FIXED PLATFORM)	Ref.	A
	0252003	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM40RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252020	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM40RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252004	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM33RT WITH FIXED PLATFORM)	Ref.	A
	0252005	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM33RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252021	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM33RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252006	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM25RT WITH FIXED PLATFORM)	Ref.	A
	0252007	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM25RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252022	NAMEPLATES AND DECALS INSTALLATION - GERMAN (CM25RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252008	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM40RT WITH FIXED PLATFORM)	Ref.	A
	0252009	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM40RT WITH EXTENDABLE PLATFORM)	Ref.	A

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—40	0252023	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM40RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252010	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM33RT WITH FIXED PLATFORM)	Ref.	A
	0252011	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM33RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252024	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM33RT WITH TRAVERSING PLATFORM)	Ref.	A
	0252012	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM25RT WITH FIXED PLATFORM)	Ref.	A
	0252013	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM25RT WITH EXTENDABLE PLATFORM)	Ref.	A
	0252025	NAMEPLATES AND DECALS INSTALLATION - ITALIAN (CM25RT WITH TRAVERSING PLATFORM)	Ref.	A
—1	1700431	Decal - Strip (Brown/Orange)	27.5"/8.38m	
—2	1701110*	Decal - JLG	2	
—3	Not Used			
—4	4420039	Tape - Safety Tread	37.9m	
—5	Not Used			
—6	Not Used			
—7	3340564	Padding	1	
—8	1701310	Decal - Strip (Orange) (CM25RT)	51 1/15.55m	
	1701310	Decal - Strip (Orange) (CM33RT)	67/20.4m	
	1701310	Decal - Strip (Orange) (CM40RT)	84/25.6m	
—9	Not Used			
—10	Consult Factory	Nameplate - Serial Number	1	
—11	Not Used			
—12	1700713	Decal - Safety Prop (English)	2	
	1701512	Decal - Support De Sécurité (French)	2	
	1701519	Decal - Sicherheitsstuetze (German)	2	
	1701524	Decal - Appoggio Di Sicurezza (Italian)	2	
—13	1701069	Decal - Commander	2	
—14	1701369	Decal - CM25RT	2	
	1701258	Decal - CM33RT	2	
	1701291	Decal - CM40RT	2	
—15	1701813	Decal - USA	1	
—16	0860520	Box, Manual Storage (Attaching Parts)	1	
	0641405	Bolt 1/4"-20NC x 5/8"	4	
	4751400	Flatwasher 1/4"	4	
	4761400	Lockwasher 1/4"	4	
	3311401	Nut 1/4"-20NC	4	
	1060279	Cable, Lanyard	1	
—17	1700157	Decal - Manuals	1	
—18	1701523	Nameplate - Danger (English)	1	
	1701511	Nameplate - Attention (French)	1	
	1701516	Nameplate - Actung (German)	1	
	1701520	Nameplate - Attenzione (Italian)	1	
	3820001	Rivet	4	
—19	Not Used			
—20	3252122	Nameplate - Capacity/Grade (CM40RT with Fixed Platform)	1	
	3252119	Nameplate - Capacity/Grade (CM40RT with Extendable Platform)	1	
	3252125	Nameplate - Capacity/Grade (CM40RT with Traversing Platform)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—40		NAMEPLATES AND DECALS INSTALLATION (CONTINUED)	Ref.	—
	3252121	Nameplate - Capacity/Grade (CM33RT with Fixed Platform)	1	
	3252118	Nameplate - Capacity/Grade/CM33RT with Extendable Platform)	1	
	3252124	Nameplate - Capacity/Grade (CM33RT with Traversing Platform)	1	
	3252120	Nameplate - Capacity/Grade (CM25RT with Standard Platform)	1	
	3252117	Nameplate - Capacity/Grade (CM25RT with Extendable Platform)	1	
	3252123	Nameplate - Capacity/Grade (CM25RT with Traversing Platform)	1	
	3820001	Rivet	4	
—21	Not Used			
—22	1701257	Decal - Warning (English)	1	
	1701546	Decal - Attention (French)	1	
	1701541	Decal - Warnung (German)	1	
	1701547	Decal - Attenzione (Italian)	1	
—23	1700427	Decal - Logo	1	
—24	1700430	Decal - Fuel (Gas)	1	
	1700428	Decal - Fuel (Diesel)	1	
—25	Not Used			
—26	1701504	Decal - Hydraulic Fluid	1	
—27	1701122	Decal - Ground/Emergency Controls (English)	1	
	1701515	Decal - Commandes Sol (French)	1	
	1701525	Decal - Boden/Notfall Kontrolle (German)	1	
	1701535	Decal - Commando A Terra (Italian)	1	
—28	3252024	Nameplate - Manual Lowering (Prior to March 1991)	1	
—29	1701510	Decal - Manual Descent (March 1991 to Present)	1	
	0251642	CORNER STRIPES INSTALLATION (NOT SHOWN)	Ref.	
	4420052	Tape, Safety - Black/Yellow	4'/1.22m	

SECTION 2 — ILLUSTRATED PARTS LIST

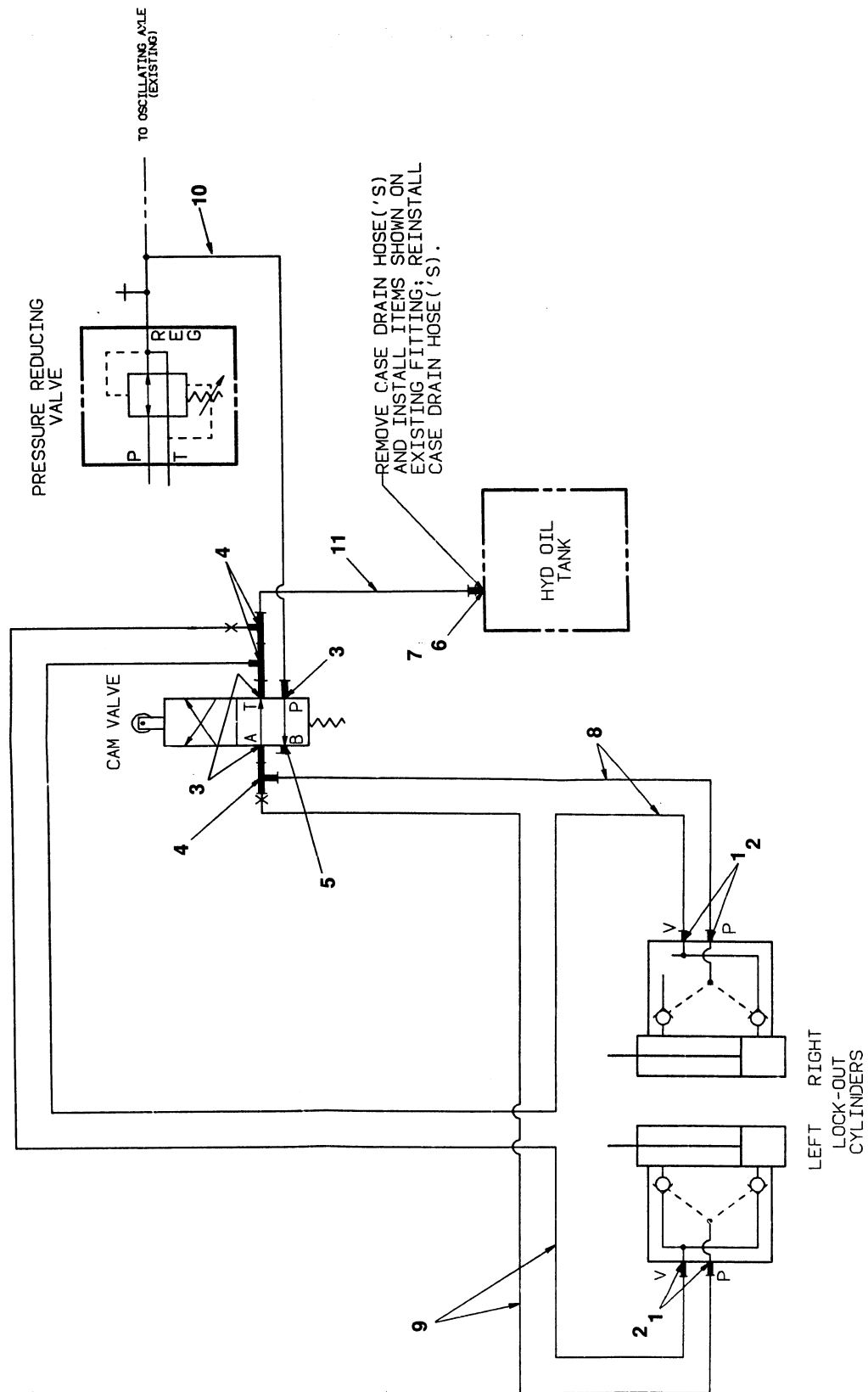


Figure 2-41. Hydraulic Diagram - Axle (Oscillating).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—41	0252366	HYDRAULIC DIAGRAM - AXLE (OSCILLATING)	Ref.	A
—1	2220582	Fitting, Straight	4	
—2	2220462	Fitting, 90°	4	
—3	2220466	Fitting, 90°	3	
—4	2220605	Fitting, Tee	3	
—5	2220235	Fitting, Plug	1	
—6	2220385	Fitting, Tee	1	
—7	2220618	Fitting, Reducer	1	
—8	2752011	Hose	2	
—9	2751396	Hose	2	
—10	2750897	Hose	1	
—11	2750895	Hose	1	

SECTION 2 — ILLUSTRATED PARTS LIST

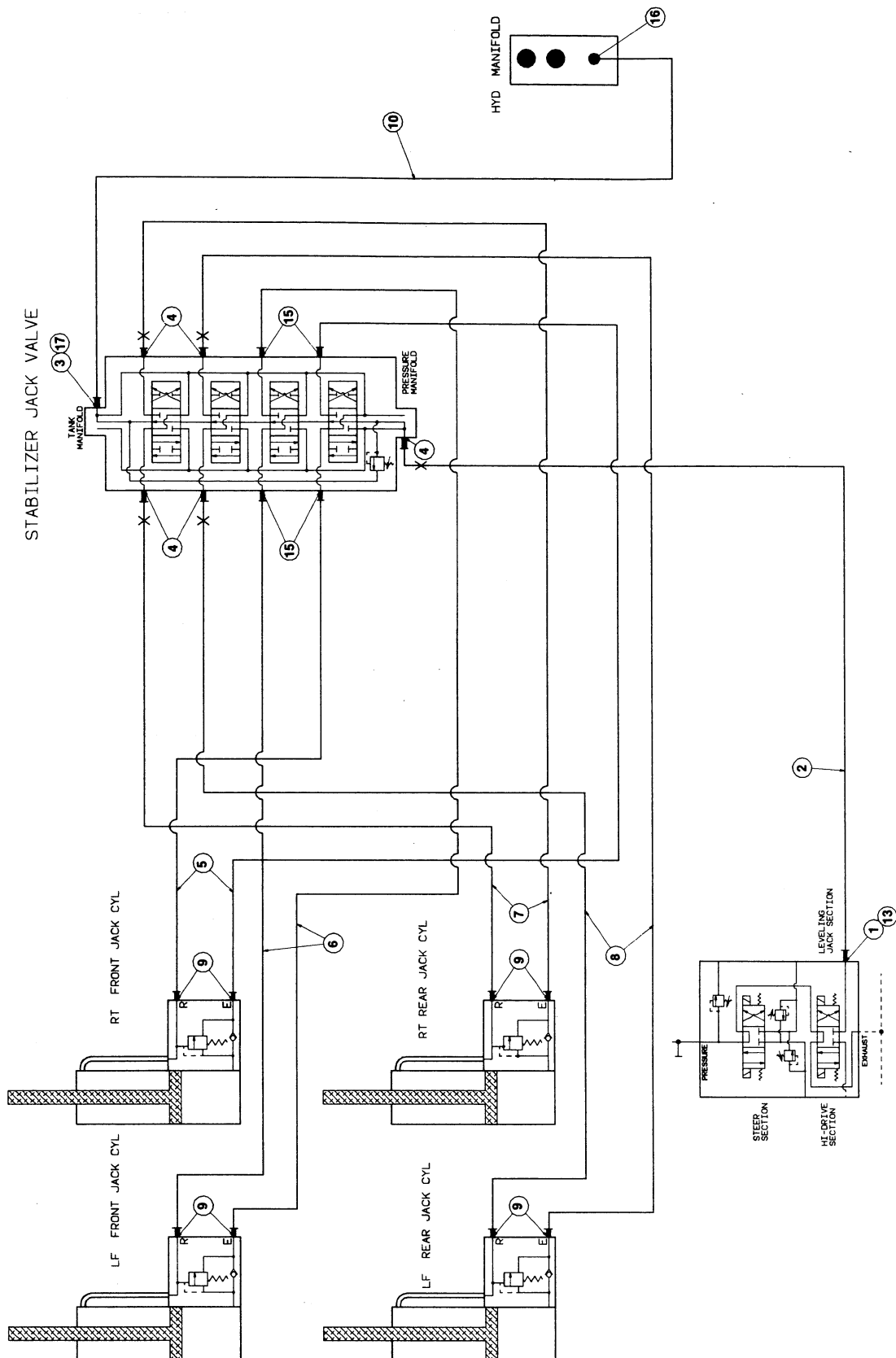


Figure 2-42. Hydraulic Diagram - Leveling Jacks.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—42	2791559	HYDRAULIC DIAGRAM - LEVELING JACKS	Ref.	—
—1	2220628	Fitting, 90°	1	
—2	2750895	Hose	1	
—3	2220371	Fitting	1	
—4	2220582	Fitting	4	
—5	2750784	Hose	2	
—6	2751440	Hose	2	
—7	2751391	Hose	2	
—8	2751435	Hose	2	
—9	2220416	Fitting, 90°	8	
—10	2751128	Hose	1	
—11	Not Used			
—12	Not Used			
—13	2220609	Fitting, Reducer	1	
—14	2220654	Fitting, 90°	1	
—15	2220472	Fitting, 90°	4	
—16	2220344	Fitting	1	
—17	2220507	Fitting, 90°	1	

SECTION 2 — ILLUSTRATED PARTS LIST

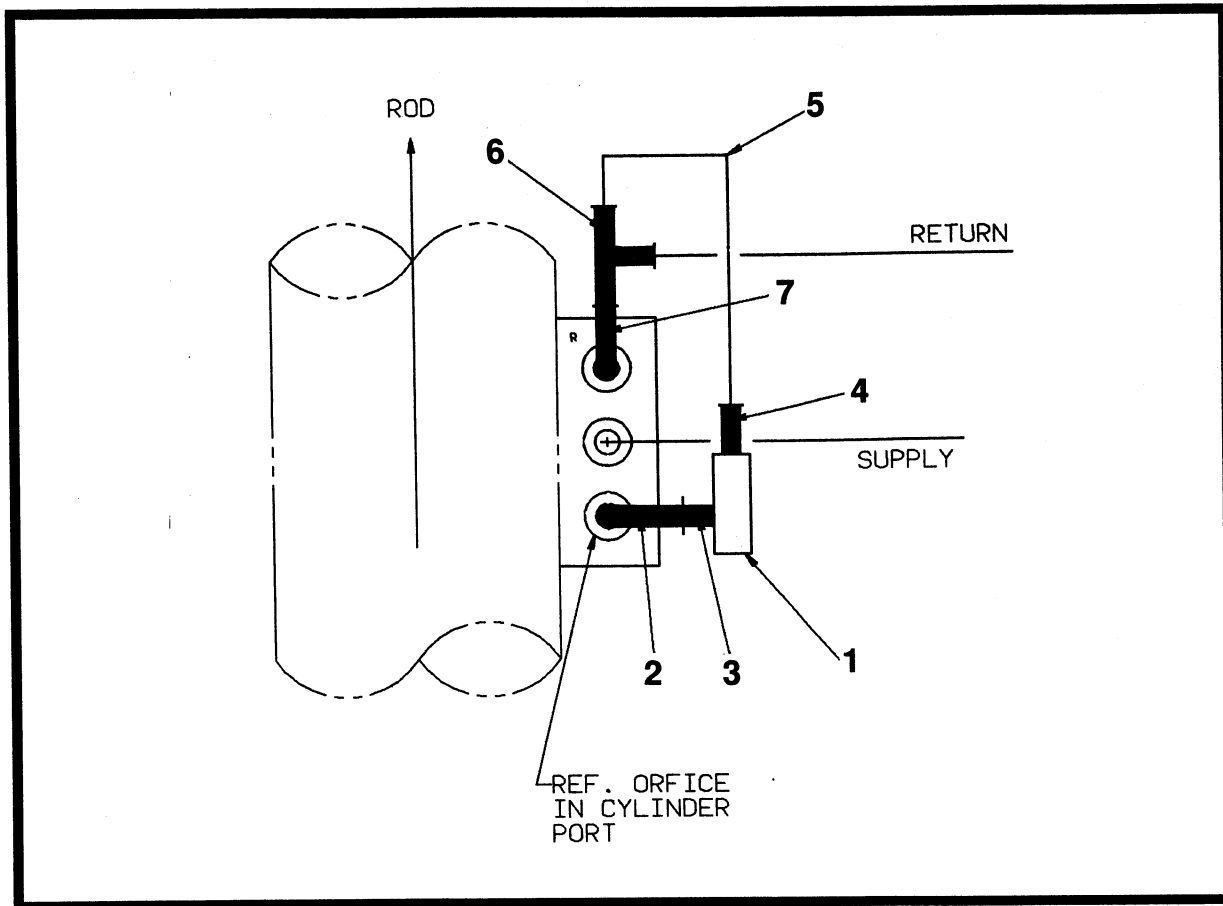


Figure 2-43. Hydraulic Diagram - Manual Lowering.

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—43	0251181	HYDRAULIC DIAGRAM - MANUAL DESCENT/ EMERGENCY LOWERING (PRIOR TO MARCH 1991)	Ref.	—
	0251791	HYDRAULIC DIAGRAM - MANUAL DESCENT/ EMERGENCY LOWERING (MARCH 1991 TO PRESENT)	Ref.	B
—1	4640128	Valve, Flow Control (Prior to March 1991)	1	
	4640699	Valve, Pull (March 1991 to Present)	1	
	2900503	Seal Kit (4640699 Valve)	1	
—2	2220111	Fitting, 90°	1	
—3	2220261	Fitting, Nipple (Prior to March 1991)	1	
	2220820	Fitting, 90° (March 1991 to Present)	1	
—4	2220773	Fitting, 90° (Prior to March 1991)	1	
	2220399	Fitting, Adaptor (March 1991 to Present)	1	
—5	4564884	Tube (Prior to March 1991)	1	
	4565177	Tube (March 1991 to Present)	1	
—6	2220635	Fitting, Tee	1	
—7	2220473	Fitting, 90°	1	

SECTION 2 — ILLUSTRATED PARTS LIST

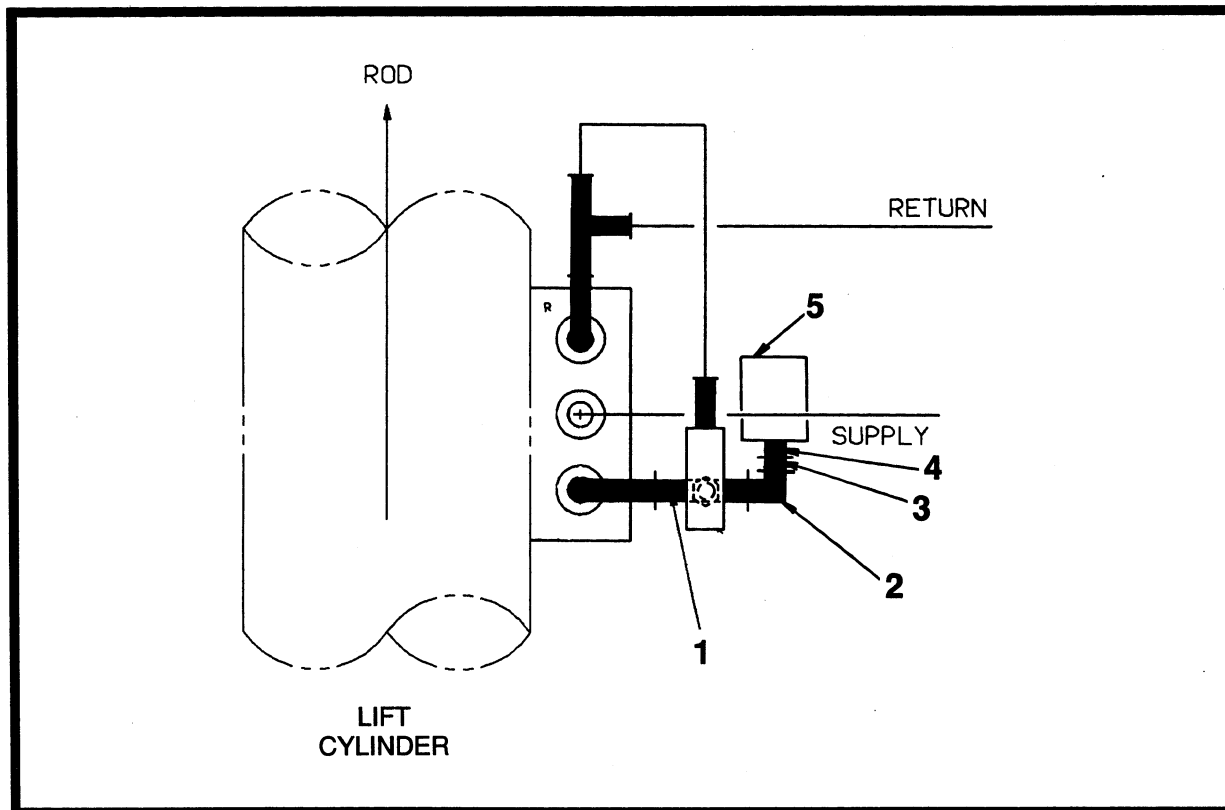


Figure 2-44. Hydraulic Diagram - Overload/Tilt Interlock (French Spec Only - Built After September 1991).

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—44	0252366	HYDRAULIC DIAGRAM - OVERLOAD/TILT INTERLOCK (FRENCH SPEC ONLY - BUILT AFTER SEPTEMBER 1991)	Ref.	A
—1	2220752	Fitting, Tee	1	
—2	2220820	Fitting, 90°	1	
—3	2220880	Fitting, Straight	1	
—4	2220440	Fitting, Straight	1	
—5	1692617	Switch, Pressure	1	
	4460428	Connector, Strain Relief (Not Shown)	1	
		Note: For French Spec Machines built prior to September 1991 refer to Figure 2-14.		

SECTION 2 — ILLUSTRATED PARTS LIST

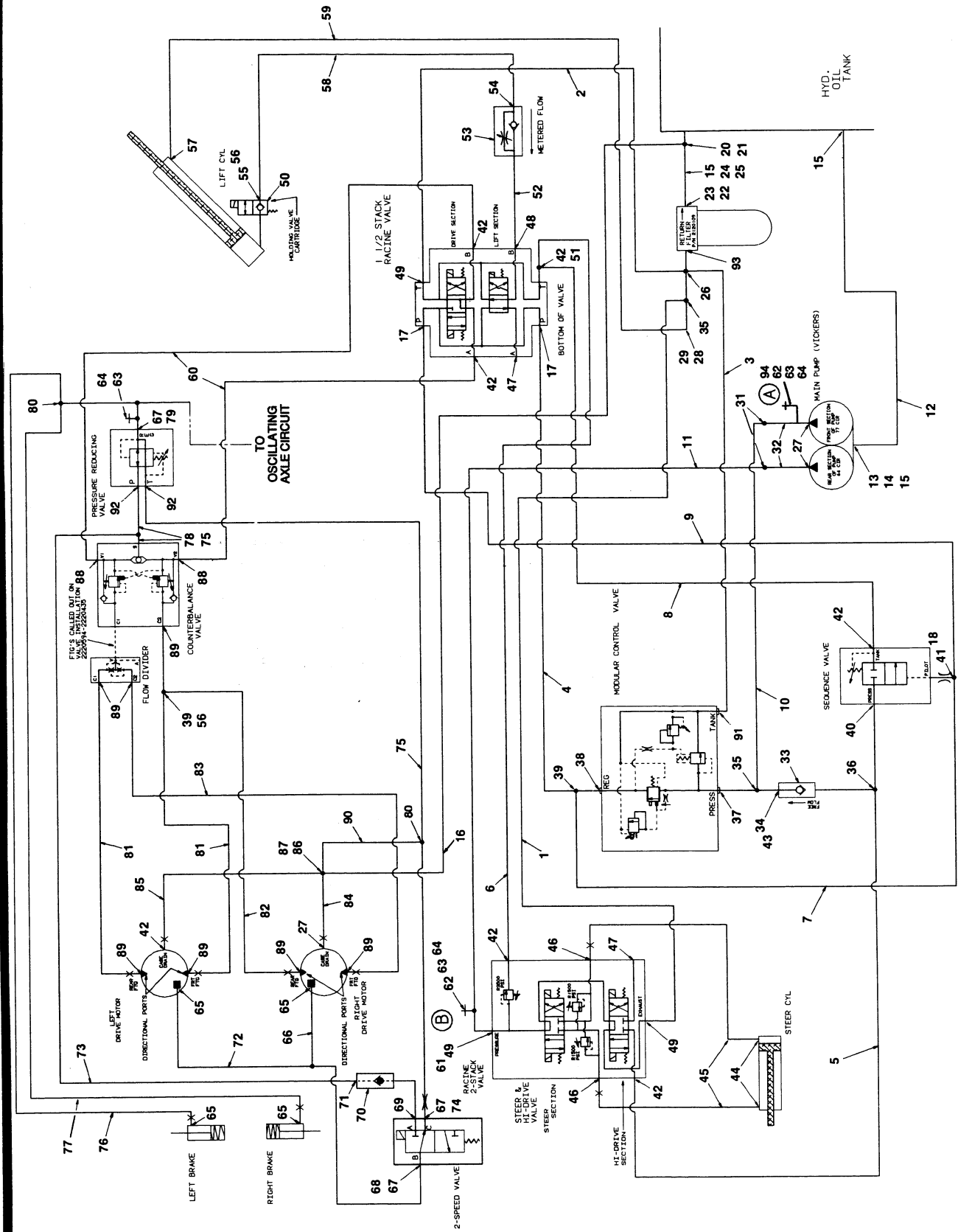


Figure 2-45. Hydraulic Diagram - Standard.

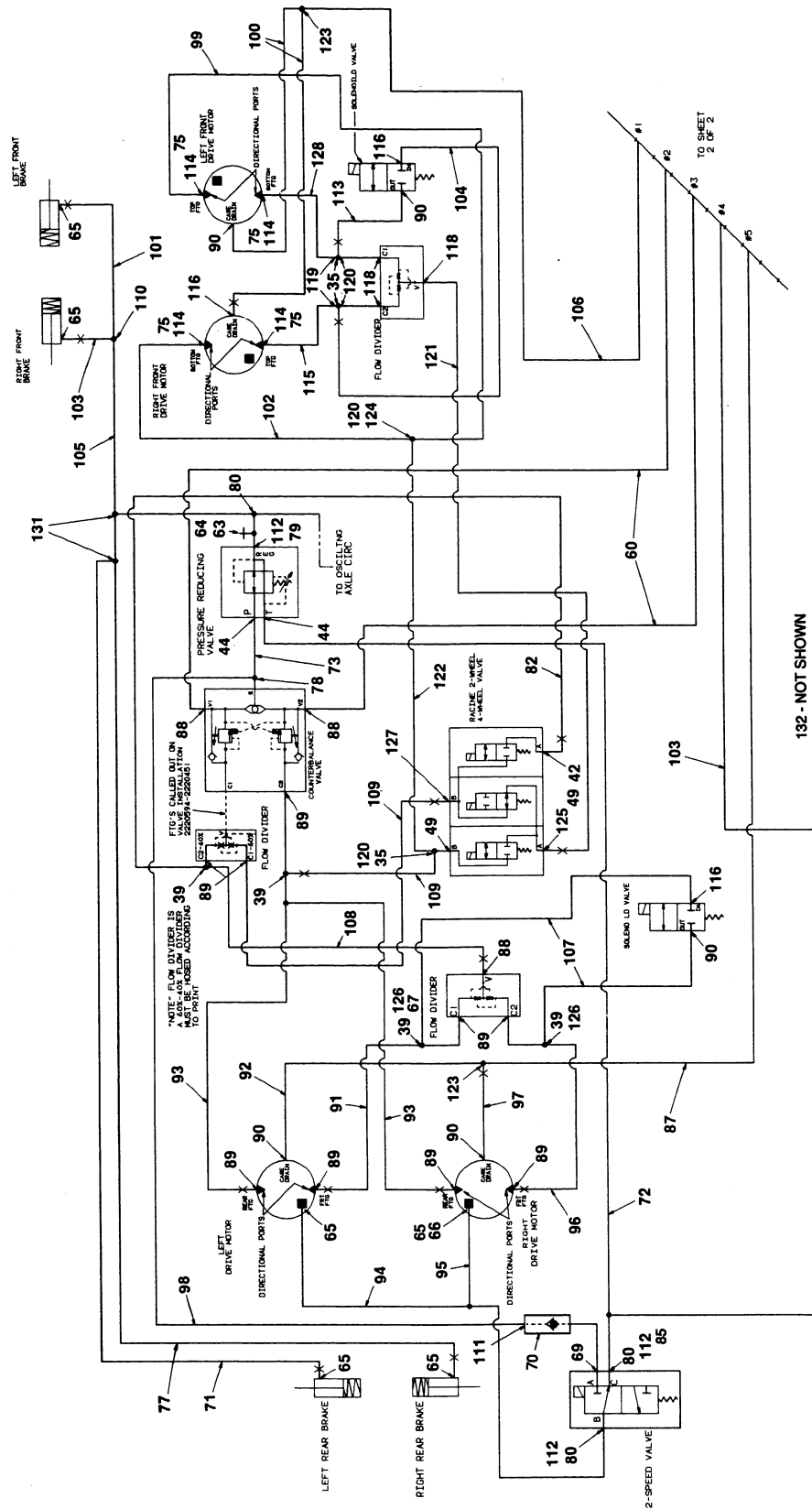
SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—45	2791690	HYDRAULIC DIAGRAM - STANDARD (2WD)	Ref.	G
—1	4564672	Tube	1	
—2	4564673	Tube	1	
—3	4564674	Tube	1	
—4	4564675	Tube	1	
—5	4564676	Tube	1	
—6	4564677	Tube	1	
—7	4564678	Tube	1	
—8	4564679	Tube	1	
—9	4564680	Tube	1	
—10	4564698	Tube	1	
—11	4564699	Tube	1	
—12	2720295	Hose, Suction (60"/1.53m Length)	1	
—13	2220669	Fitting, Split Flange Kit	1	
—14	2210060	Fitting, 90° Split Flange	1	
—15	1320033	Clamp	8	
—16	2750777	Hose	1	
—17	2220600	Fitting, Straight	2	
—18	2180679	Orifice	1	
—19	Not Used			
—20	2180745	Fitting, Modified	1	
—21	2220345	Fitting, Straight	1	
—22	2220275	Fitting, Reducer	1	
—23	2220403	Fitting, 90°	1	
—24	2210003	Fitting, Nipple	2	
—25	2720355	Hose, Suction (11 1/2"/29.2cm Length)	1	
—26	2220832	Fitting, 4-Way	1	
—27	2220596	Fitting, 90°	3	
—28	2220621	Fitting, Reducer	1	
—29	2220507	Fitting, 90°	1	
—30	Not Used			
—31	2220835	Fitting, Union	2	
—32	2750970	Hose	2	
—33	4640009	Valve, Check	1	
—34	2220452	Fitting	1	
—35	2220700	Fitting, Tee	2	
—36	2220679	Fitting, Tee	1	
—37	2220408	Fitting, Straight	1	
—38	2220374	Fitting, Straight	1	
—39	2220385	Fitting, Tee	2	
—40	2220651	Fitting, Swivel	1	
—41	2180750	Fitting, Tee	1	
—42	2220373	Fitting, Straight	5	
—43	2220422	Fitting	1	
—44	2220417	Fitting, Straight	2	
—45	2750896	Hose	2	
—46	2220468	Fitting, Straight	2	
—47	2220238	Fitting, Plug	2	
—48	2220113	Fitting, 90°	1	
—49	2220593	Fitting, Straight	3	
—50	4640382	Valve, Cartridge	1	
—51	2220383	Fitting, Tee	1	
—52	2220280	Fitting, Straight	1	
—53	4640216	Valve, Colorflow	1	
—54	2220580	Fitting, 90°	1	
—55	2220796	Fitting, 90°	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—45		HYDRAULIC DIAGRAM - STANDARD (2WD) (CONTINUED)	Ref.	
—56	2220386	Fitting, 90°	2	
—57	2220473	Fitting, 90°	1	
—58	2750930	Hose	1	
—59	2751123	Hose	1	
—60	2751466	Hose	2	
—61	2180746	Fitting, Modified	1	
—62	2220261	Fitting, Coupling	2	
—63	2220428	Fitting, Quick Disconnect	3	
—64	2220429	Cap, Dust	3	
—65	2220415	Fitting	4	
—66	2751026	Hose	1	
—67	2220250	Fitting, Reducer	3	
—68	2220584	Fitting, Tee	1	
—69	2220673	Fitting, 90°	1	
—70	4640197	Valve, Check	1	
—71	2220414	Fitting, Straight	1	
—72	2750760	Hose	1	
—73	2751021	Hose	2	
—74	2220822	Fitting, Orifice	1	
—75	2750900	Hose	1	
—76	2751391	Hose	1	
—77	2751010	Hose	1	
—78	2220711	Fitting, Tee	1	
—79	2220752	Fitting, Tee	1	
—80	2220684	Fitting, Tee	2	
—81	2751514	Hose	2	
—82	2750972	Hose	1	
—83	2750757	Hose	1	
—84	2750979	Hose	1	
—85	2750791	Hose	1	
—86	2220469	Fitting, 4 Way	1	
—87	2220618	Fitting, Reducer	1	
—88	2220366	Fitting, 90°	2	
—89	2220375	Fitting	7	
—90	2751017	Hose	1	
—91	2220567	Fitting, 90°	1	
—92	2220585	Fitting, 90°	1	
—93	2220696	Fitting, Reducer	1	
—94	2180491	Fitting, Modified	1	

SECTION 2 — ILLUSTRATED PARTS LIST



SECTION 2 — ILLUSTRATED PARTS LIST

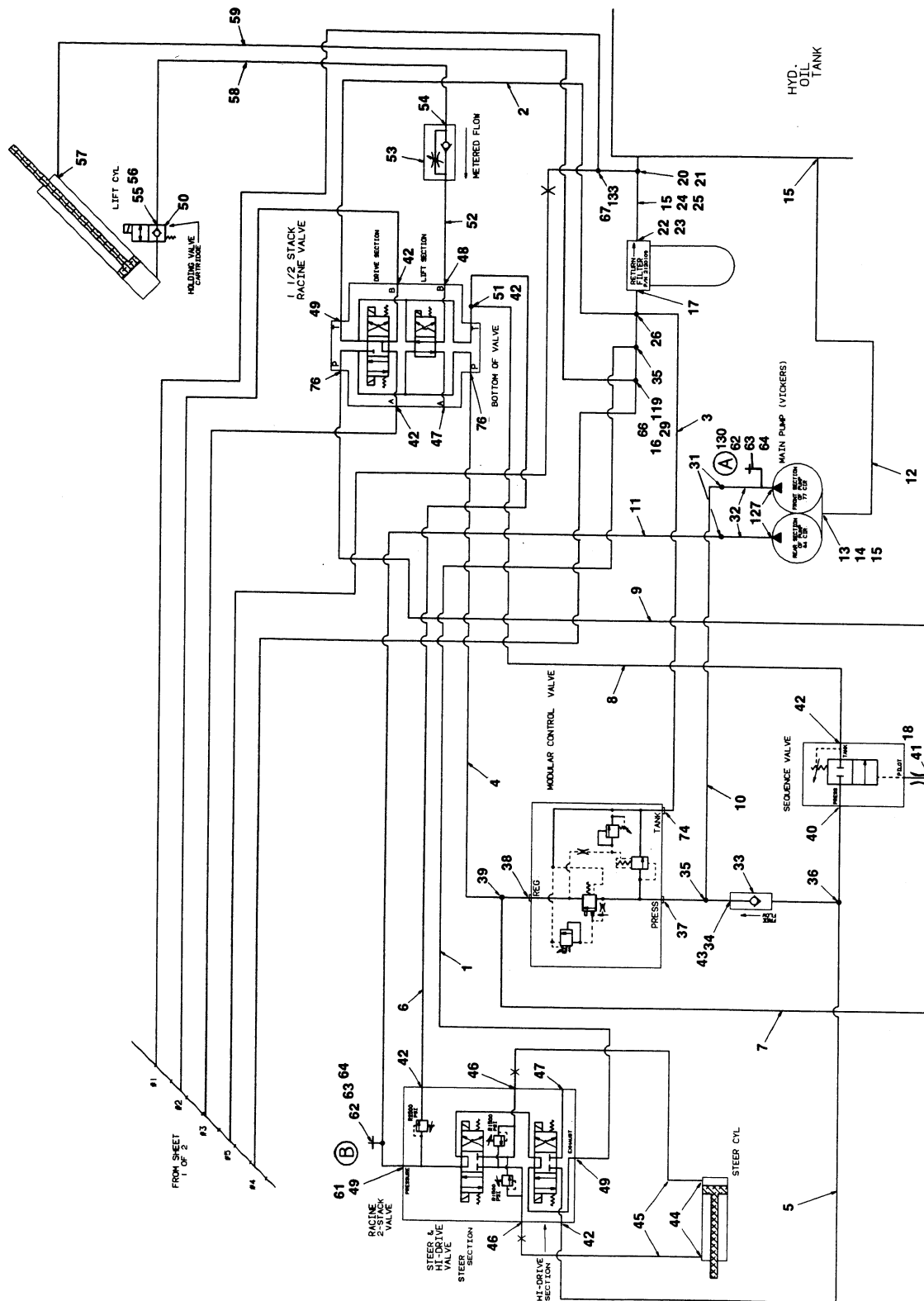


Figure 2-46. Hydraulic Diagram - Standard (4WD) (Sheet 2 of 2).

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2-46	2791691	HYDRAULIC DIAGRAM - STANDARD (4WD)	Ref.	G
—1	4564672	Tube	1	
—2	4564673	Tube	1	
—3	4564674	Tube	1	
—4	4564675	Tube	1	
—5	4564676	Tube	1	
—6	4564677	Tube	1	
—7	4564678	Tube	1	
—8	4564679	Tube	1	
—9	4564680	Tube	1	
—10	4564698	Tube	1	
—11	4564699	Tube	1	
—12	2720295	Hose, Suction (60"/1.53m Length)	1	
—13	2220669	Fitting, Split Flange Kit	1	
—14	2210060	Fitting, 90° Split Flange	1	
—15	1320033	Clamp	4	
—16	Not Used			
—17	2220696	Fitting, Reducer	1	
—18	2180679	Orifice	1	
—19	Not Used			
—20	2180745	Fitting, Modified	1	
—21	2220432	Fitting	1	
—22	2220275	Fitting, Reducer	1	
—23	2220403	Fitting, 90°	1	
—24	2210003	Fitting, Nipple	2	
—25	2720355	Hose, Suction (11 1/2"/29.2cm Length)	1	
—26	2220832	Fitting, 4-Way	1	
—27	Not Used			
—28	Not Used			
—29	2220609	Fitting, Reducer	1	
—30	Not Used			
—31	2220835	Fitting, Union	2	
—32	2750970	Hose	2	
—33	4640009	Valve, Check	1	
—34	2220452	Fitting	1	
—35	2220700	Fitting, Tee	2	
—36	2220679	Fitting, Tee	1	
—37	2220408	Fitting, Straight	1	
—38	2220374	Fitting, Straight	5	
—39	2220385	Fitting, Tee	6	
—40	2220651	Fitting, Swivel	1	
—41	2180750	Fitting, Tee	1	
—42	2220373	Fitting, Straight	7	
—43	2220422	Fitting	1	
—44	2220417	Fitting, Straight	4	
—45	2750896	Hose	2	
—46	2220468	Fitting, Straight	2	
—47	2220238	Fitting, Plug	2	
—48	2220113	Fitting, 90°	1	
—49	2220593	Fitting, Straight	3	
—50	4640382	Valve, Cartridge	1	
—51	2220383	Fitting, Tee	1	
—52	2220280	Fitting, Straight	1	
—53	4640216	Valve, Colorflow	1	
—54	2220580	Fitting	1	
—55	2220796	Fitting, 90°	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—46		HYDRAULIC DIAGRAM - STANDARD (4WD) (CONTINUED)	Ref.	
—56	2220386	Fitting, 90°	3	
—57	2220473	Fitting, 90°	1	
—58	2750930	Hose	1	
—59	2751123	Hose	1	
—60	2751466	Hose	2	
—61	2180746	Fitting, Modified	1	
—62	2220261	Fitting, Coupling	2	
—63	2220428	Fitting, Quick Disconnect	3	
—64	2220429	Cap, Dust	3	
—65	2220415	Fitting, Straight	6	
—66	2220462	Fitting	2	
—67	2220507	Fitting, 90°	2	
—68	2220584	Fitting, Tee	2	
—69	2220673	Fitting, 90°	1	
—70	4640197	Valve, Check	1	
—71	2751391	Hose	1	
—72	2750760	Hose	1	
—73	2750902	Hose	1	
—74	2220567	Fitting, 90°	1	
—75	2180755	Fitting, Modified Reducer	4	
—76	2220600	Fitting, Straight	2	
—77	2751010	Hose	1	
—78	2220711	Fitting, Tee	1	
—79	2220752	Fitting, Tee	1	
—80	2220684	Fitting, Tee	1	
—81	Not Used			
—82	2750972	Hose	1	
—83	Not Used			
—84	Not Used			
—85	2220822	Fitting, Modified Orifice	1	
—86	Not Used			
—87	2751110	Hose	1	
—88	2220366	Fitting, 90°	2	
—89	2220375	Fitting, Straight	9	
—90	2220628	Fitting, 90°	5	
—91	2750773	Hose	1	
—92	2750918	Hose	1	
—93	2750774	Hose	2	
—94	2751017	Hose	1	
—95	2751026	Hose	1	
—96	2750791	Hose	1	
—97	2750991	Hose	1	
—98	2751021	Hose	1	
—99	2750766	Hose	1	
—100	2750909	Hose	2	
—101	2750892	Hose	1	
—102	2750759	Hose	1	
—103	2751410	Hose	2	
—104	2751004	Hose	2	
—105	2750756	Hose	1	
—106	2751155	Hose	1	
—107	2751002	Hose	2	
—108	2750777	Hose	1	
—109	2750968	Hose	2	
—110	2220504	Fitting, Tee	1	
—111	2220414	Fitting, Straight	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—46		HYDRAULIC DIAGRAM - STANDARD (4WD) (CONTINUED)	Ref.	
—112	2220250	Fitting, Reducer	3	
—113	Not Used			
—114	2220772	Fitting, Swivel	4	
—115	2750763	Hose	1	
—116	2220372	Fitting	2	
—117	Not Used			
—118	2220451	Fitting	3	
—119	2220621	Fitting, Reducer	3	
—120	2220622	Fitting, Reducer	3	
—121	2751337	Hose	1	
—122	2751374	Hose	1	
—123	2220490	Fitting, Tee	2	
—124	2220481	Fitting, Tee	1	
—125	2220655	Fitting, 90°	1	
—126	2220619	Fitting, Reducer	3	
—127	2220596	Fitting, 90°	2	
—128	27751476	Hose	1	
—129	Not Used			
—130	2180491	Fitting, Modified	1	
—131	2220605	Fitting, Tee	1	
—132	4100033	Loom, Hose	30/9.14m	
—133	2220344	Fitting, Straight	2	

SECTION 2 — ILLUSTRATED PARTS LIST

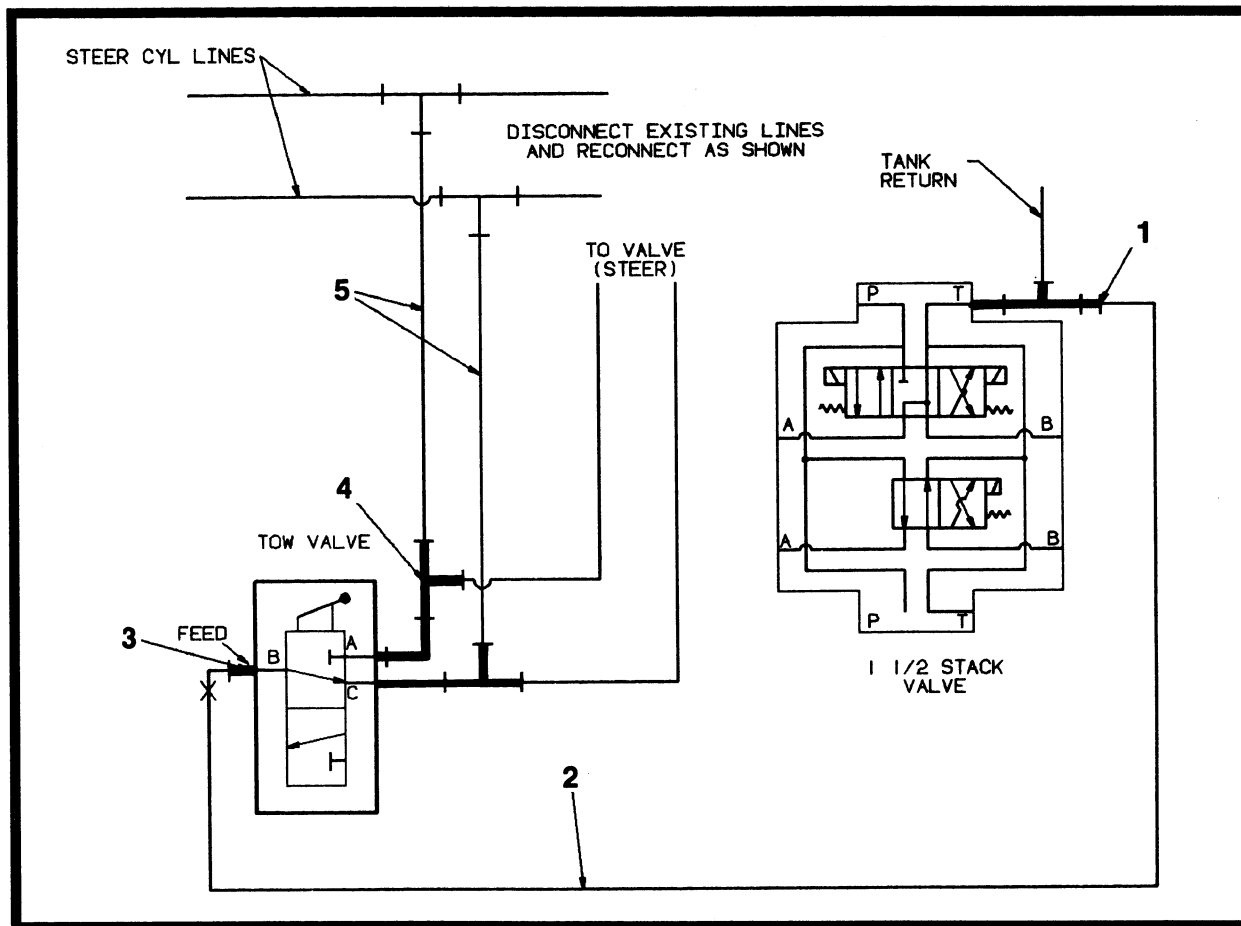


Figure 2-47. Hydraulic Diagram - Tow.

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2-47	0250956	HYDRAULIC DIAGRAM - TOW	Ref.	—
—1	2220385	Fitting, Tee	1	
—2	2220619	Fitting, Straight	1	
—3	2751114	Hose	1	
—4	2220468	Fitting	2	
	2220605	Fitting, Tee	2	
—5	2751394	Hose	2	

SECTION 2 — ILLUSTRATED PARTS LIST

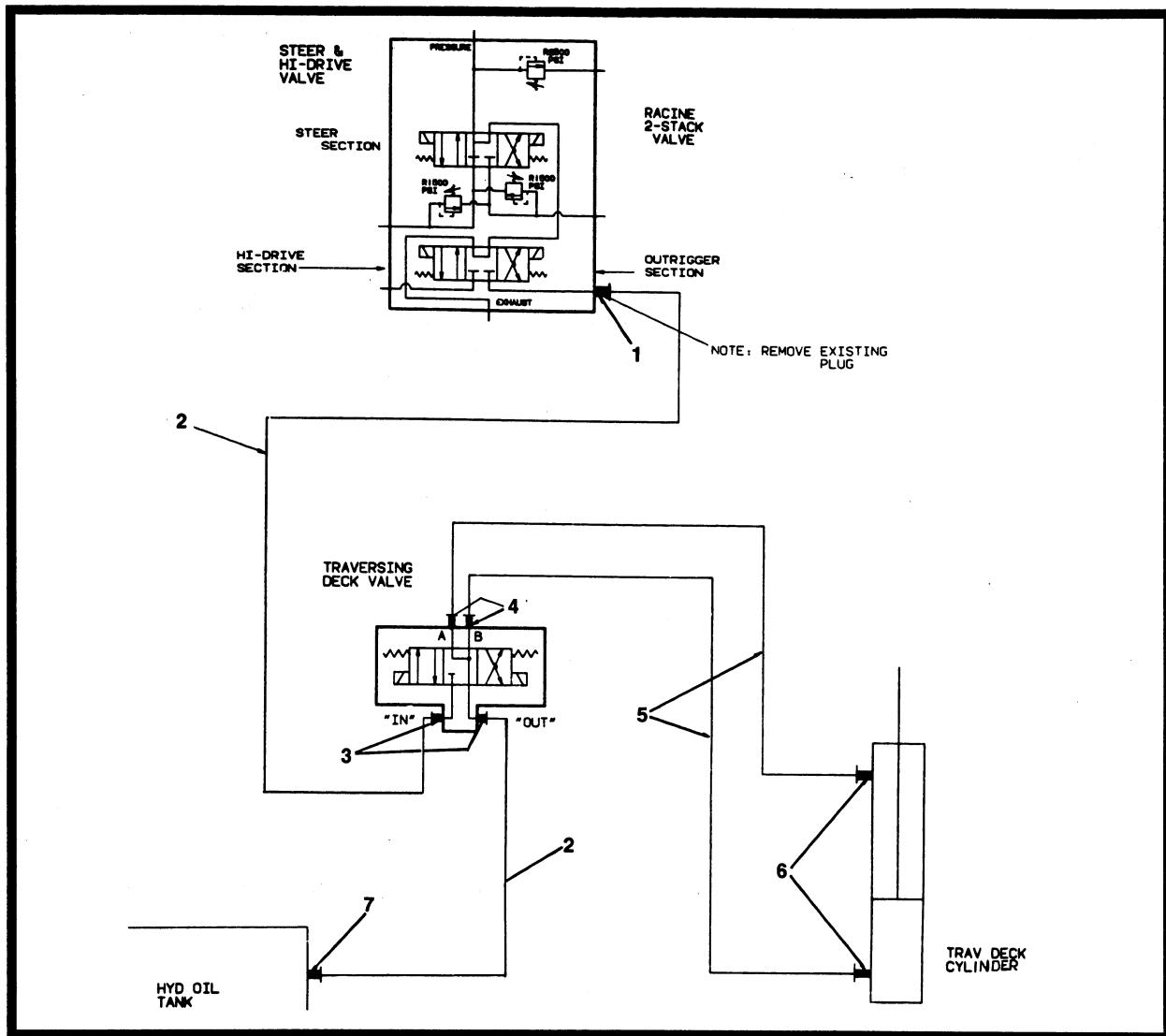


Figure 2-48. Hydraulic Diagram - Traversing Platform (Without Leveling Jacks).

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—48	3510336	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM40RT WITHOUT LEVELING JACKS)	Ref.	B
	3510335	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM33RT WITHOUT LEVELING JACKS)	Ref.	B
	3510334	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM25RT WITHOUT LEVELING JACKS)	Ref.	B
—1	2220372	Fitting, Straight	1	
—2	2750997	Hose	2	
—3	2220371	Fitting, Straight	2	
—4	2220472	Fitting, Reducer	2	
—5	2751458	Hose (CM40RT)	2	
	2751029	Hose (CM33RT)	2	
	2751417	Hose (CM25RT)	2	
—6	2220414	Fitting, Straight	2	
—7	2220635	Fitting, Tee	1	

SECTION 2 — ILLUSTRATED PARTS LIST

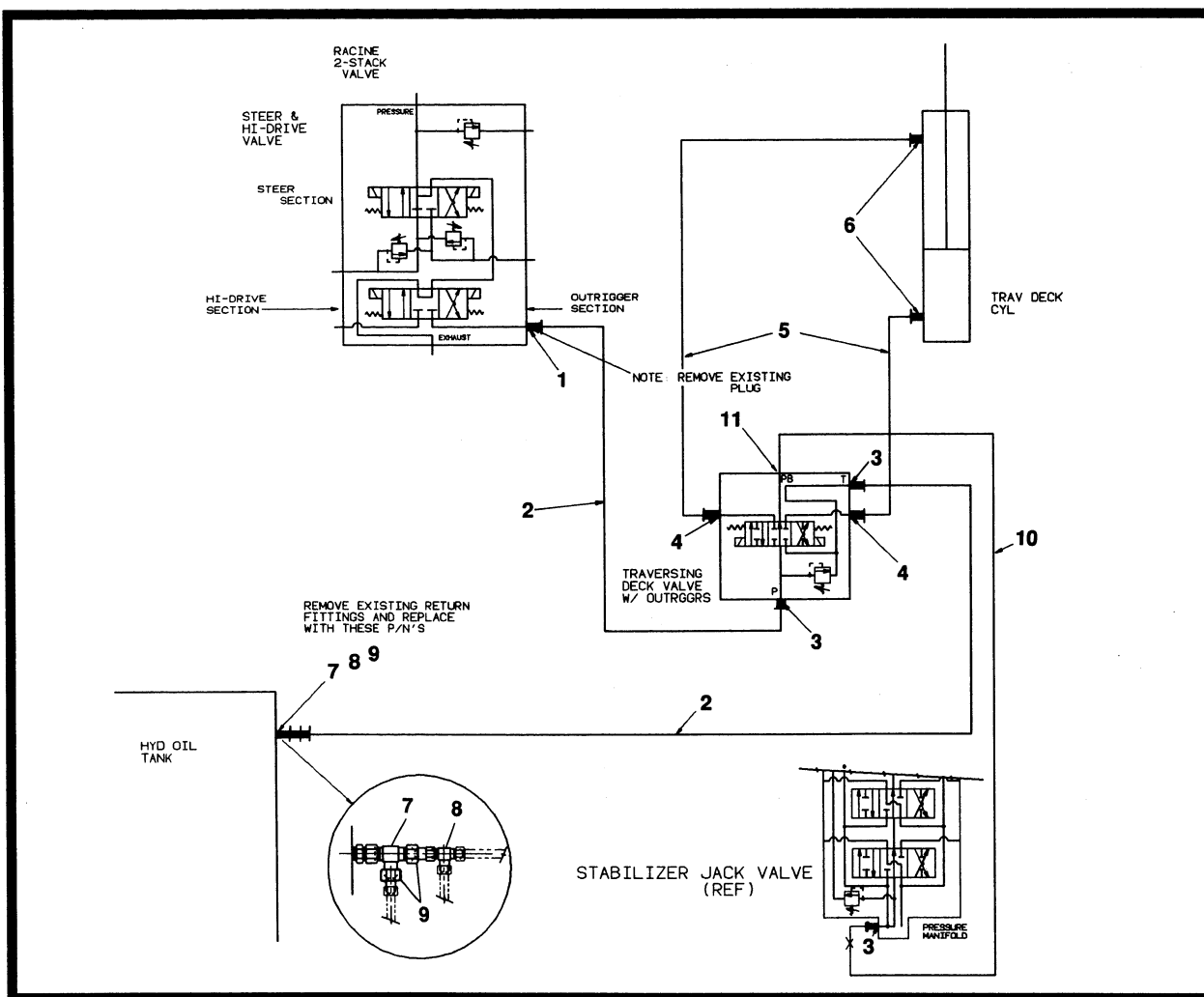


FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2-49	3510341	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM40RT WITH LEVELING JACKS)	Ref.	—
	3510340	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM33RT WITH LEVELING JACKS)	Ref.	—
	3510339	HYDRAULIC DIAGRAM - TRAVERSING PLATFORM (CM25RT WITH LEVELING JACKS)	Ref.	—
—1	2220372	Fitting, Straight	1	
—2	2750997	Hose	2	
—3	2220371	Fitting, Straight	3	
—4	2220472	Fitting, Reducer	2	
—5	2751458	Hose (CM40RT)	2	
	2751029	Hose (CM33RT)	2	
	2751417	Hose (CM25RT)	2	
—6	2220414	Fitting, Straight	2	
—7	2220635	Fitting, Tee	1	
—8	2220383	Fitting, Tee	1	
—9	2220619	Fitting, Reducer	2	
—10	2750908	Hose	1	
—11	2220473	Fitting, 90°	1	

SECTION 2 — ILLUSTRATED PARTS LIST

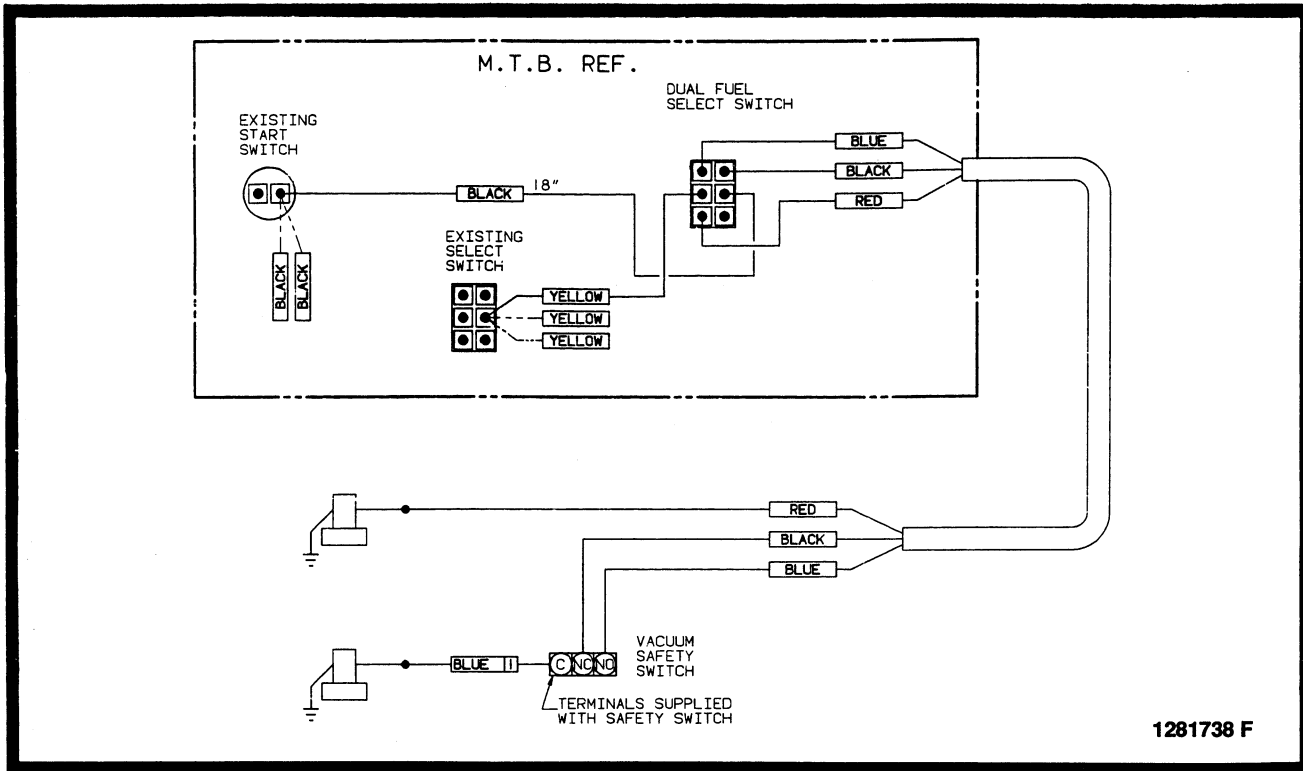


Figure 2-50. Electrical Diagram - Dual Fuel (Ford).

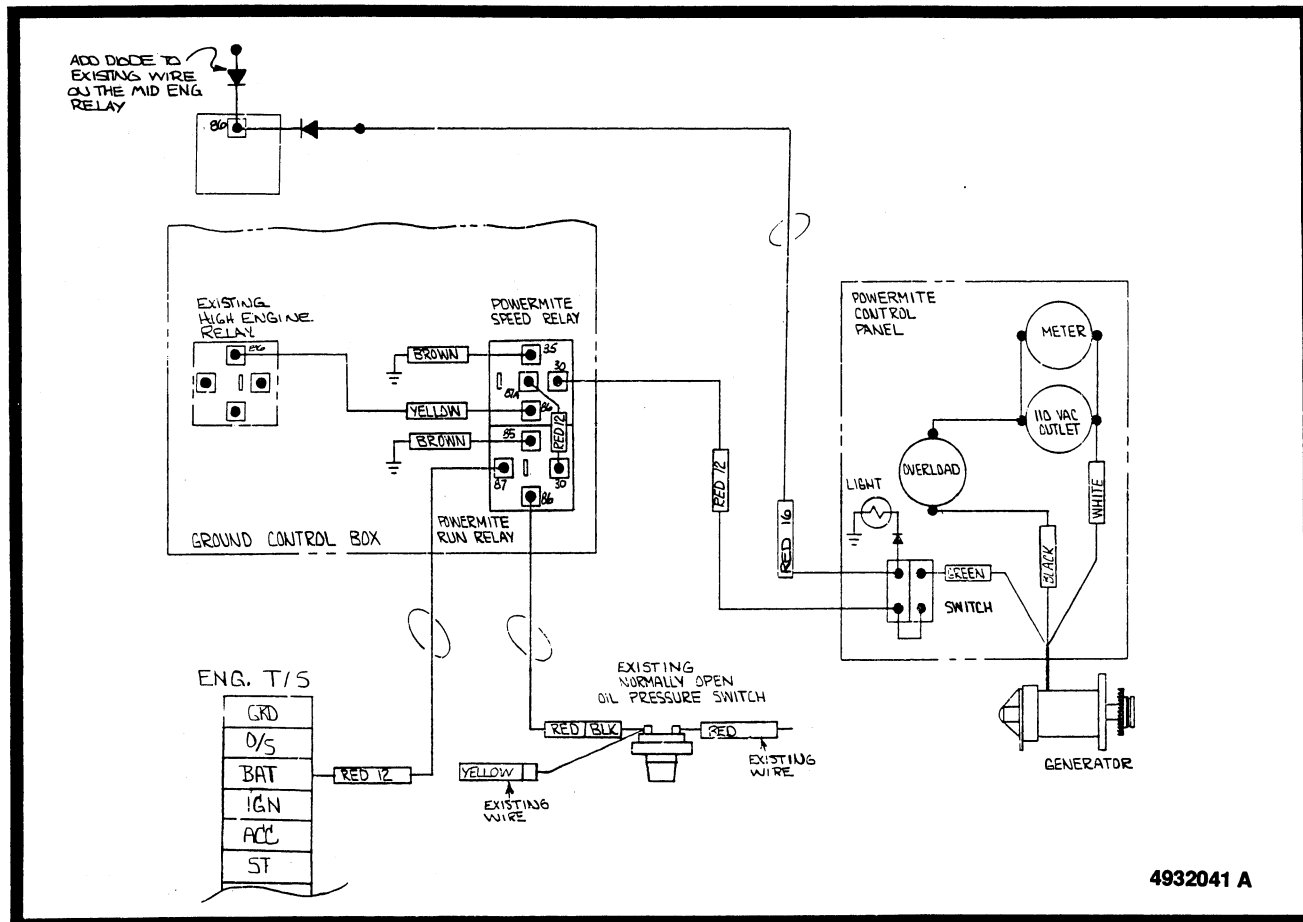
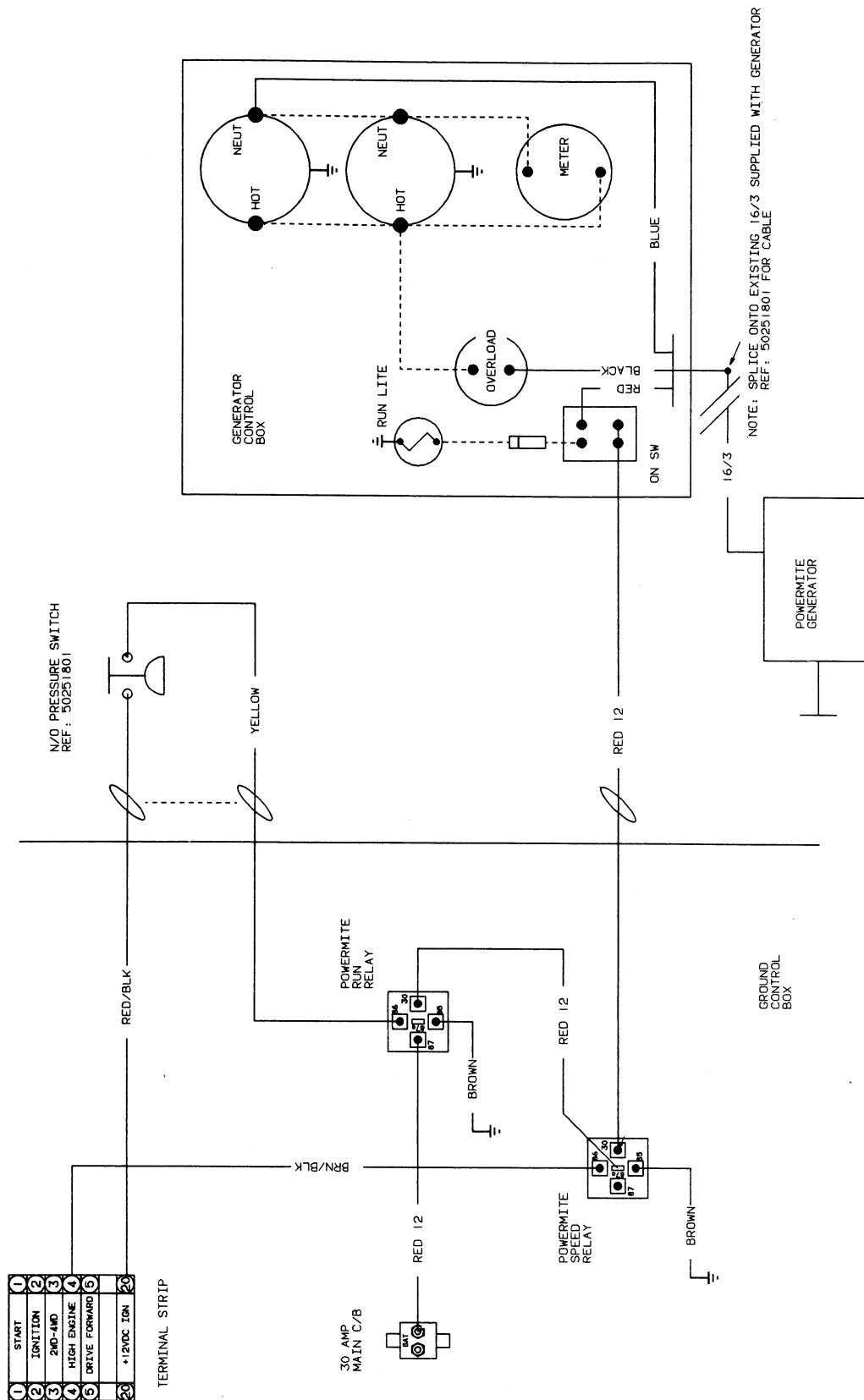


Figure 2-51. Electrical Diagram - Generator (Ford).

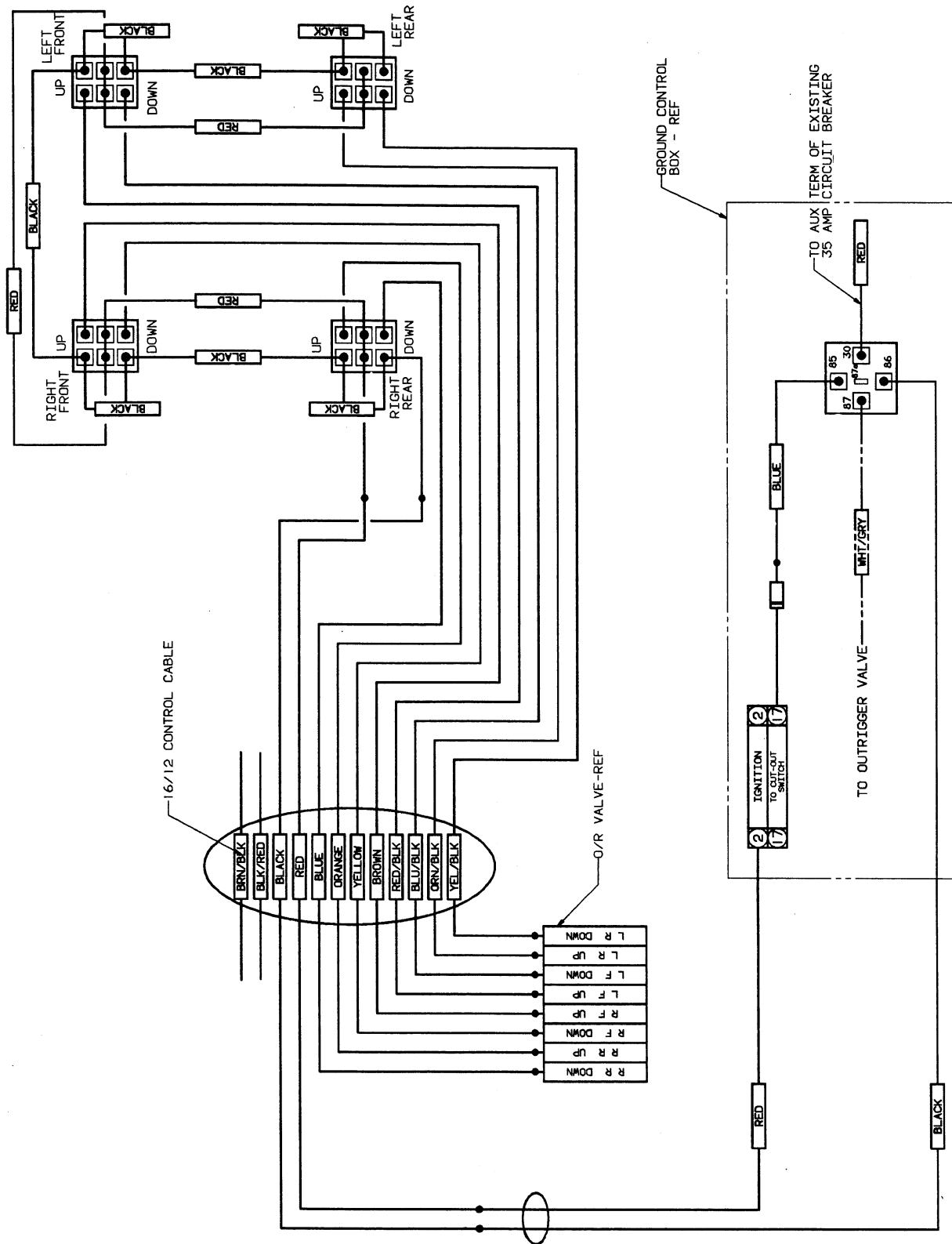
SECTION 2 — ILLUSTRATED PARTS LIST



4932387 -

Figure 2-52. Electrical Diagram - Generator (Deutz).

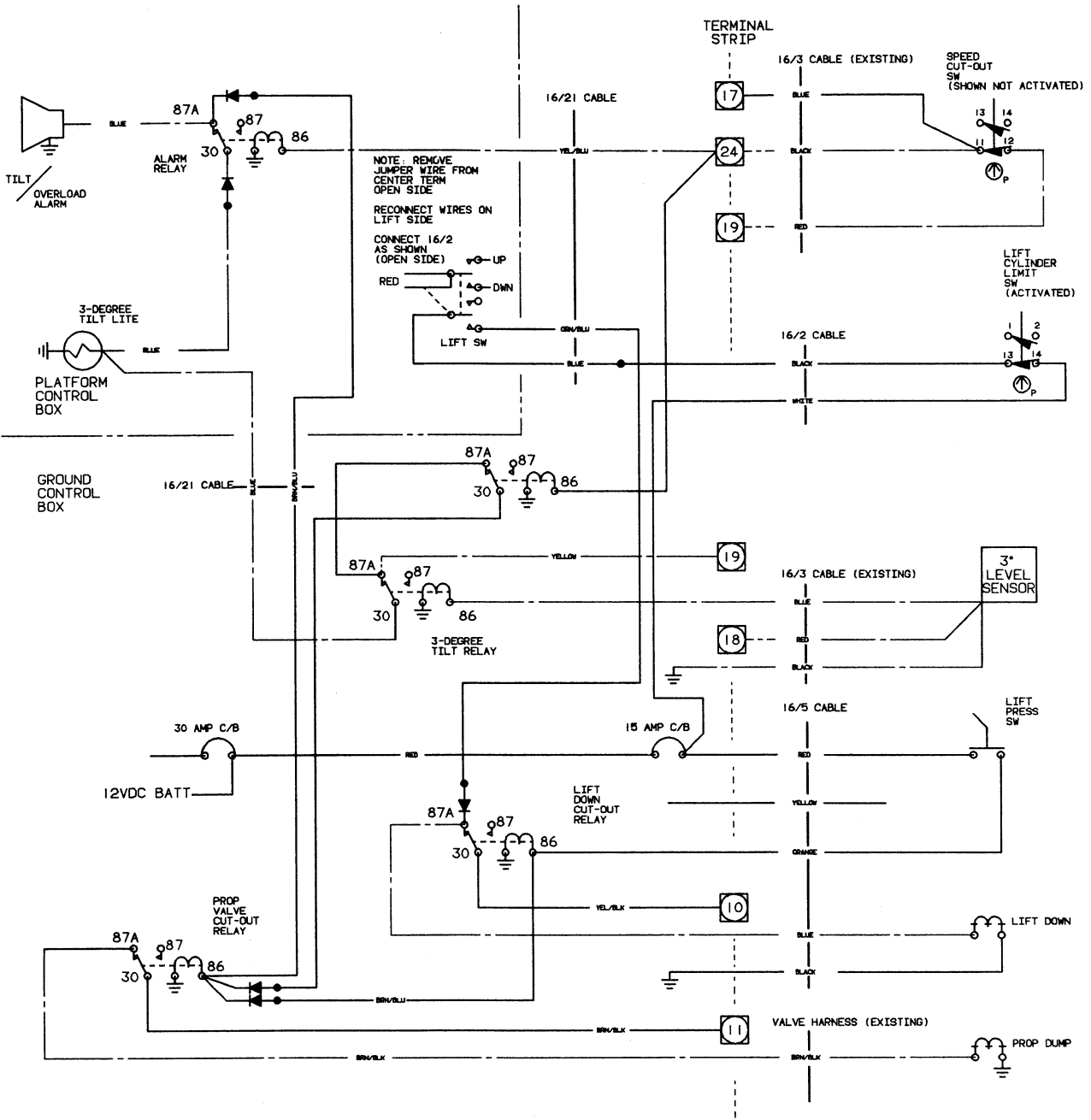
SECTION 2 — ILLUSTRATED PARTS LIST



4931981 C

Figure 2-53. Electrical Diagram - Leveling Jacks.

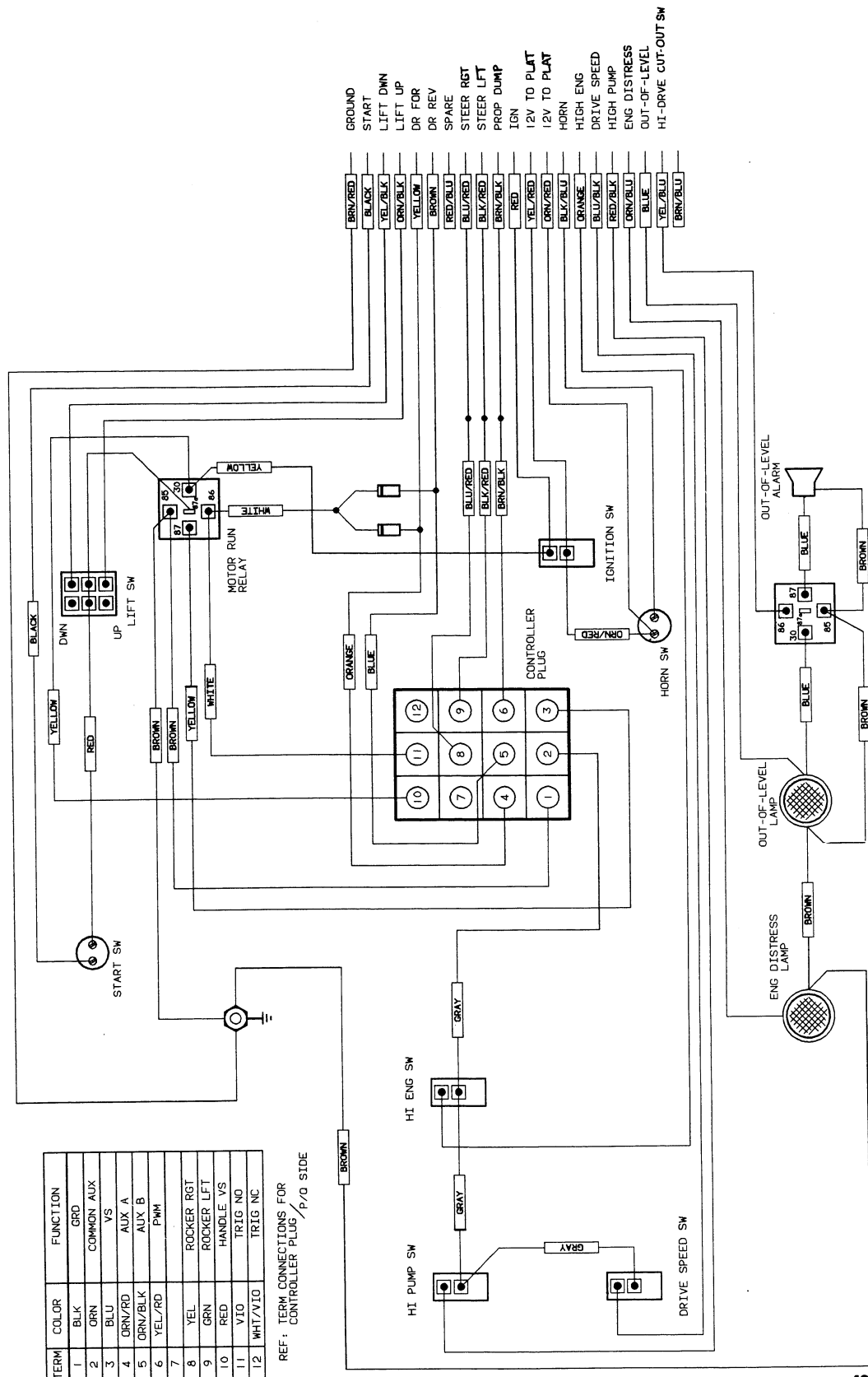
SECTION 2 — ILLUSTRATED PARTS LIST



0252366 A

Figure 2-54. Electrical Diagram - Overload/Tilt Interlock.

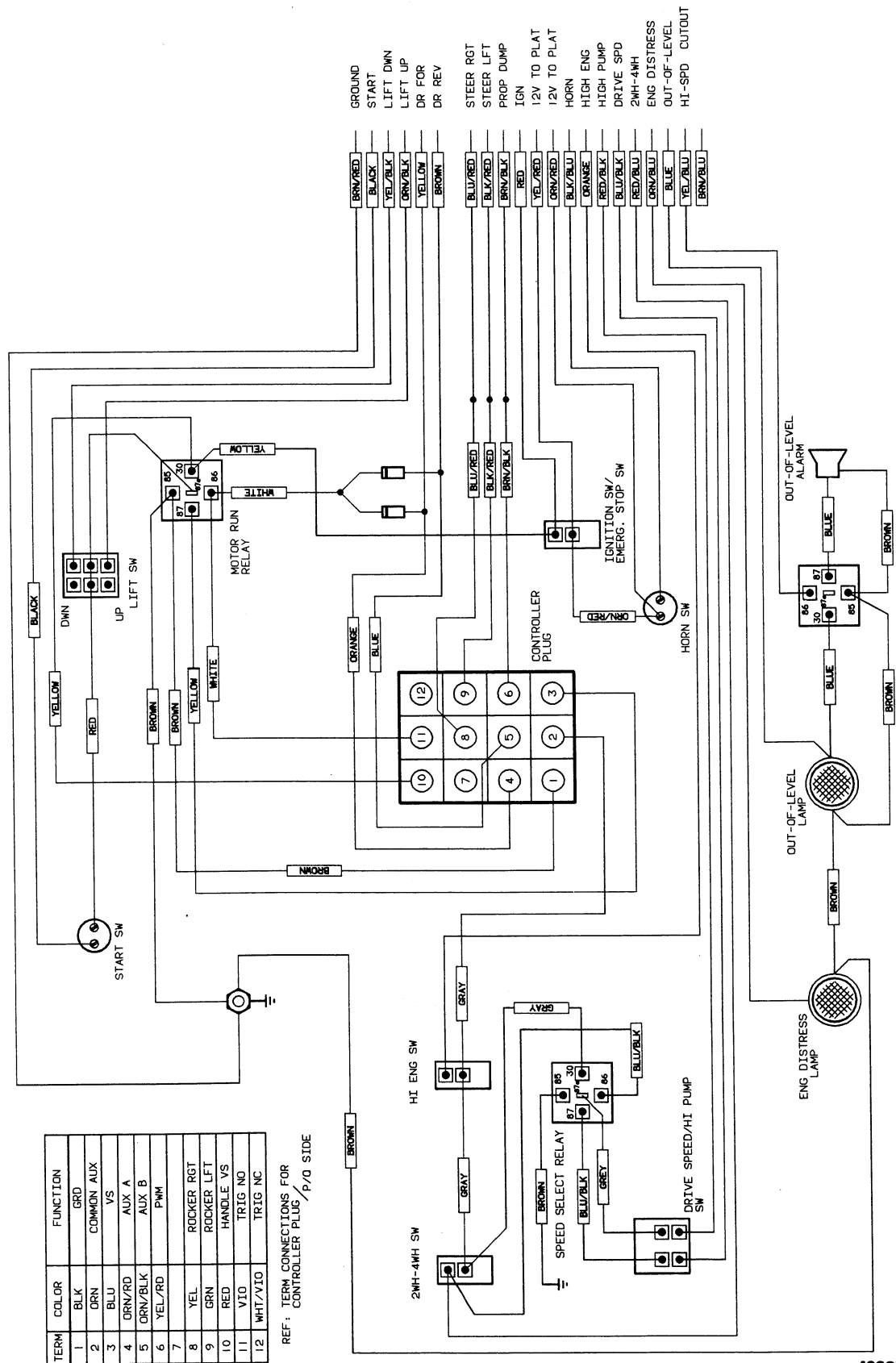
SECTION 2 — ILLUSTRATED PARTS LIST



4932353 B

Figure 2-55. Electrical Diagram - Platform (2WD Gas and Diesel).

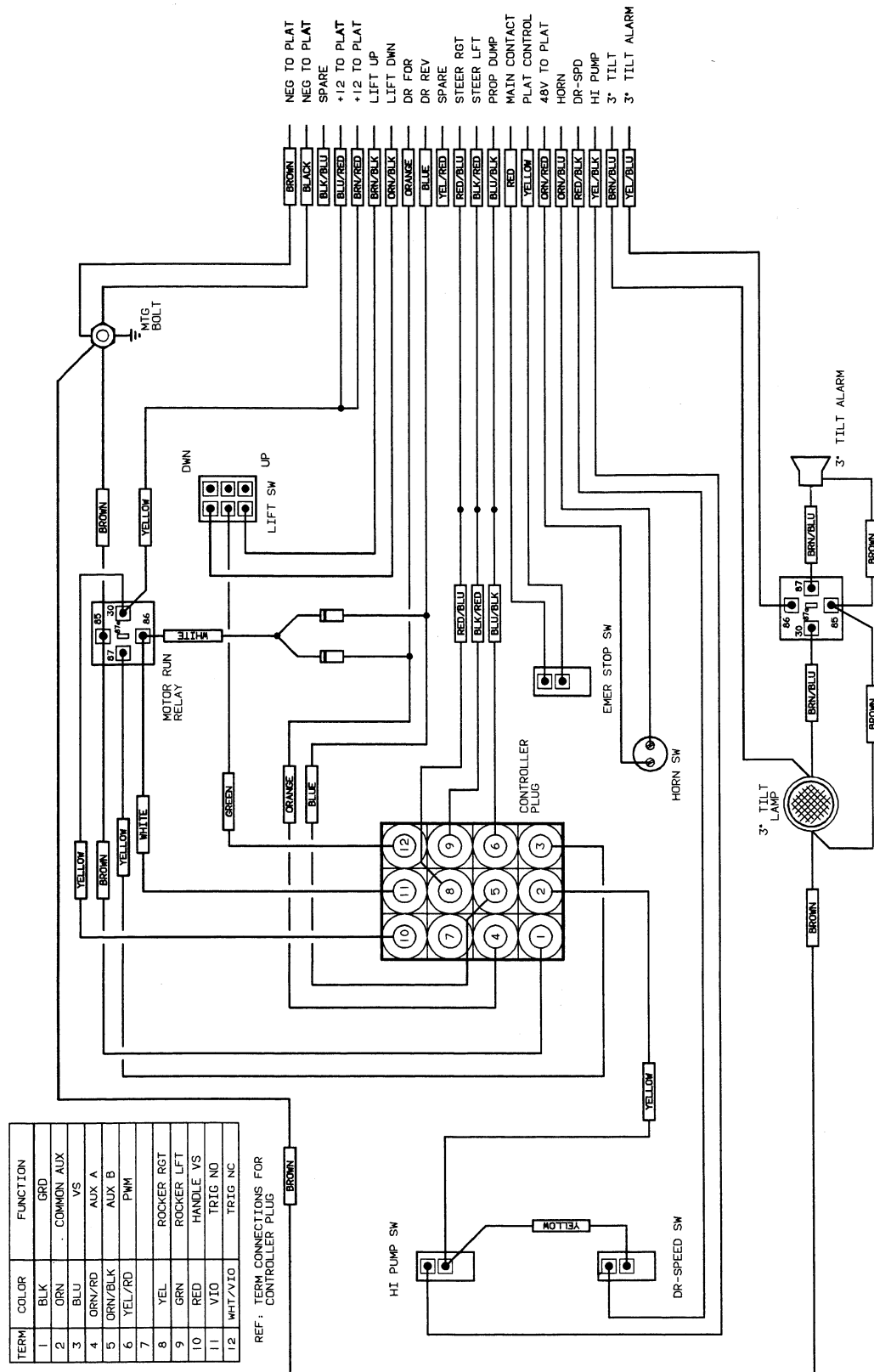
SECTION 2 — ILLUSTRATED PARTS LIST



4932360 B

Figure 2-56. Electrical Diagram - Platform (4WD).

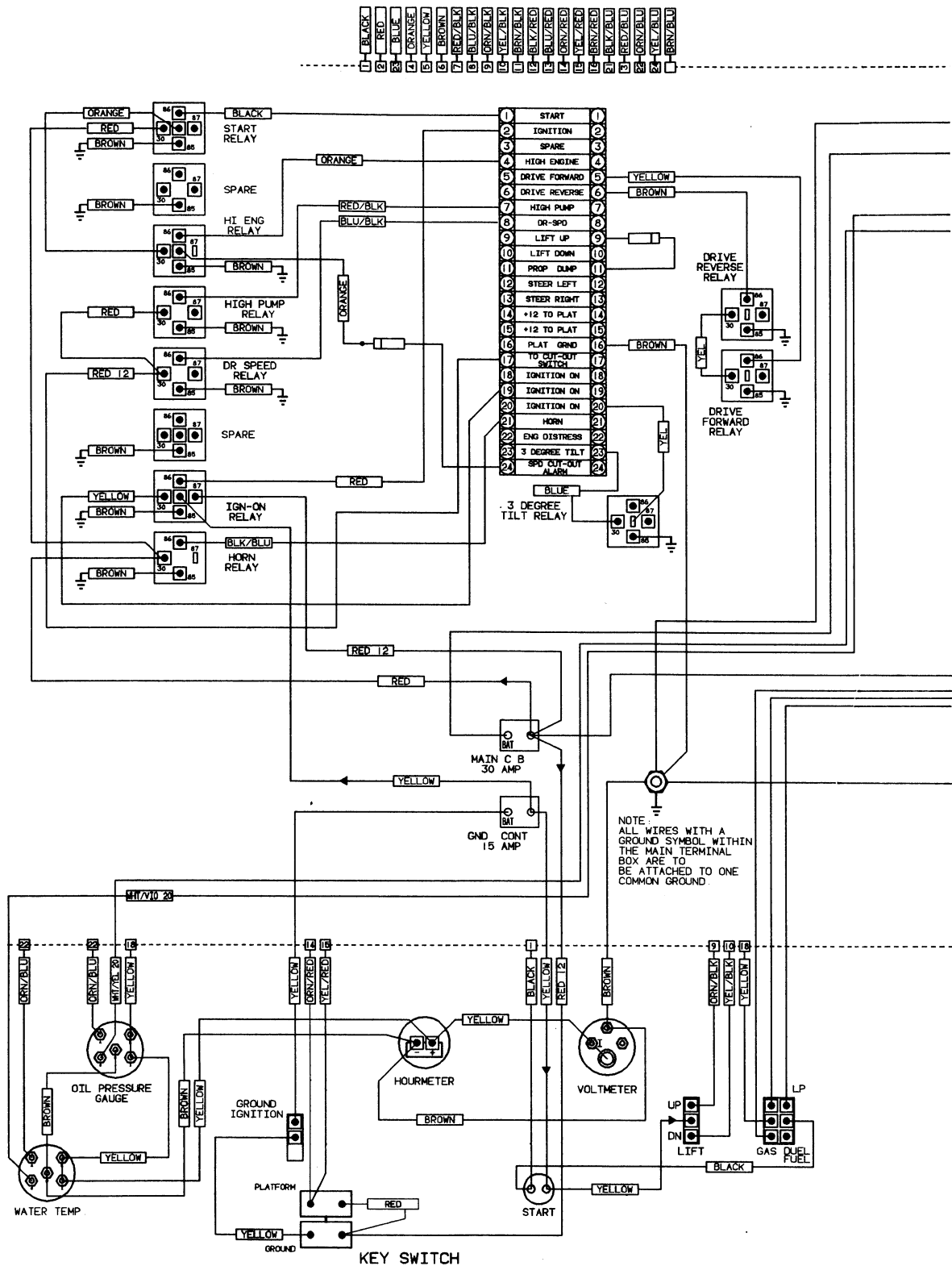
SECTION 2 — ILLUSTRATED PARTS LIST



4932409 —

Figure 2-57. Electrical Diagram - Platform (Electric).

SECTION 2 — ILLUSTRATED PARTS LIST



SECTION 2 — ILLUSTRATED PARTS LIST

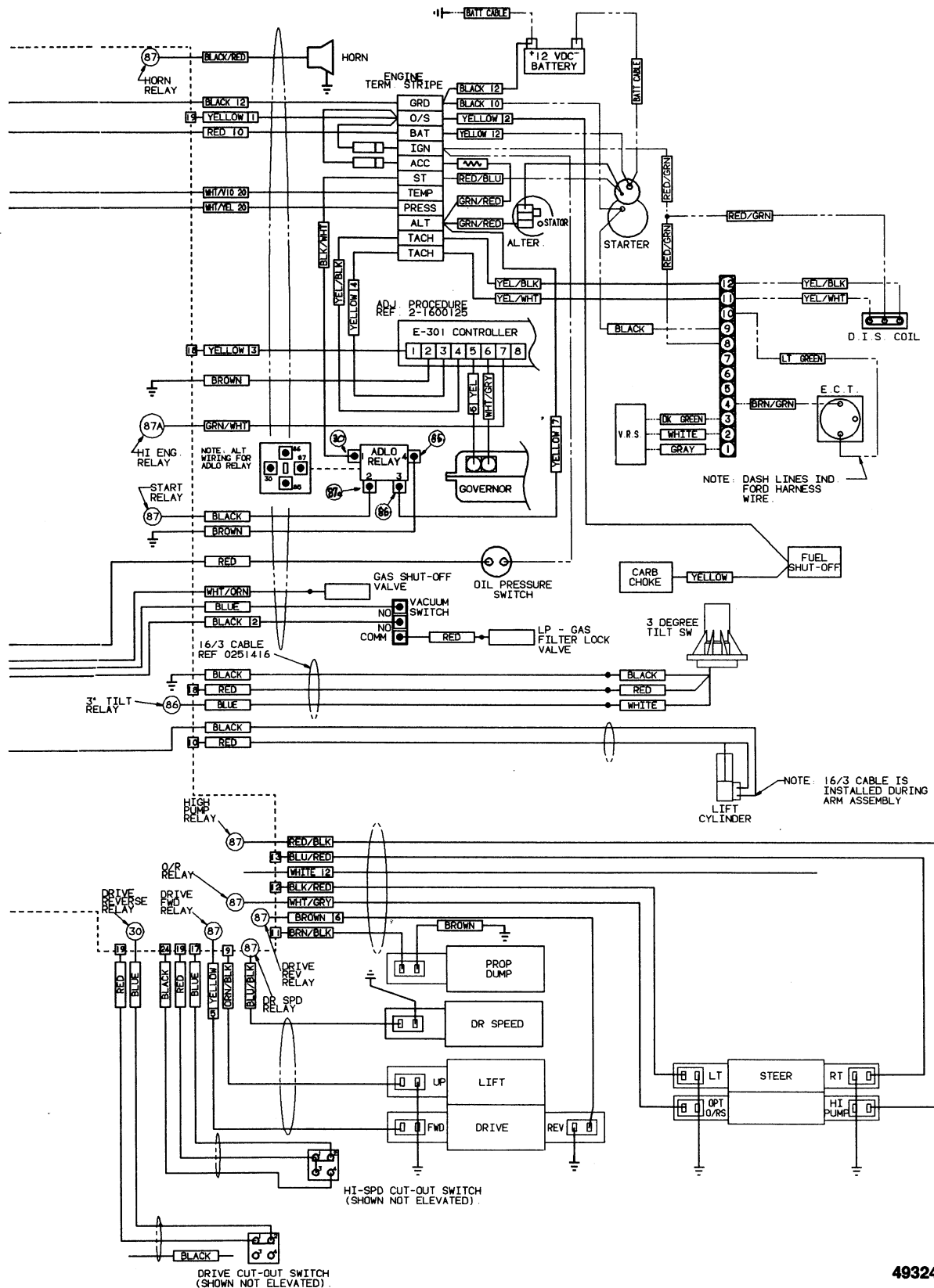


Figure 2-58. Electrical Diagram - Standard (Ford 2WD) (Sheet 2 of 2).

SECTION 2 — ILLUSTRATED PARTS LIST

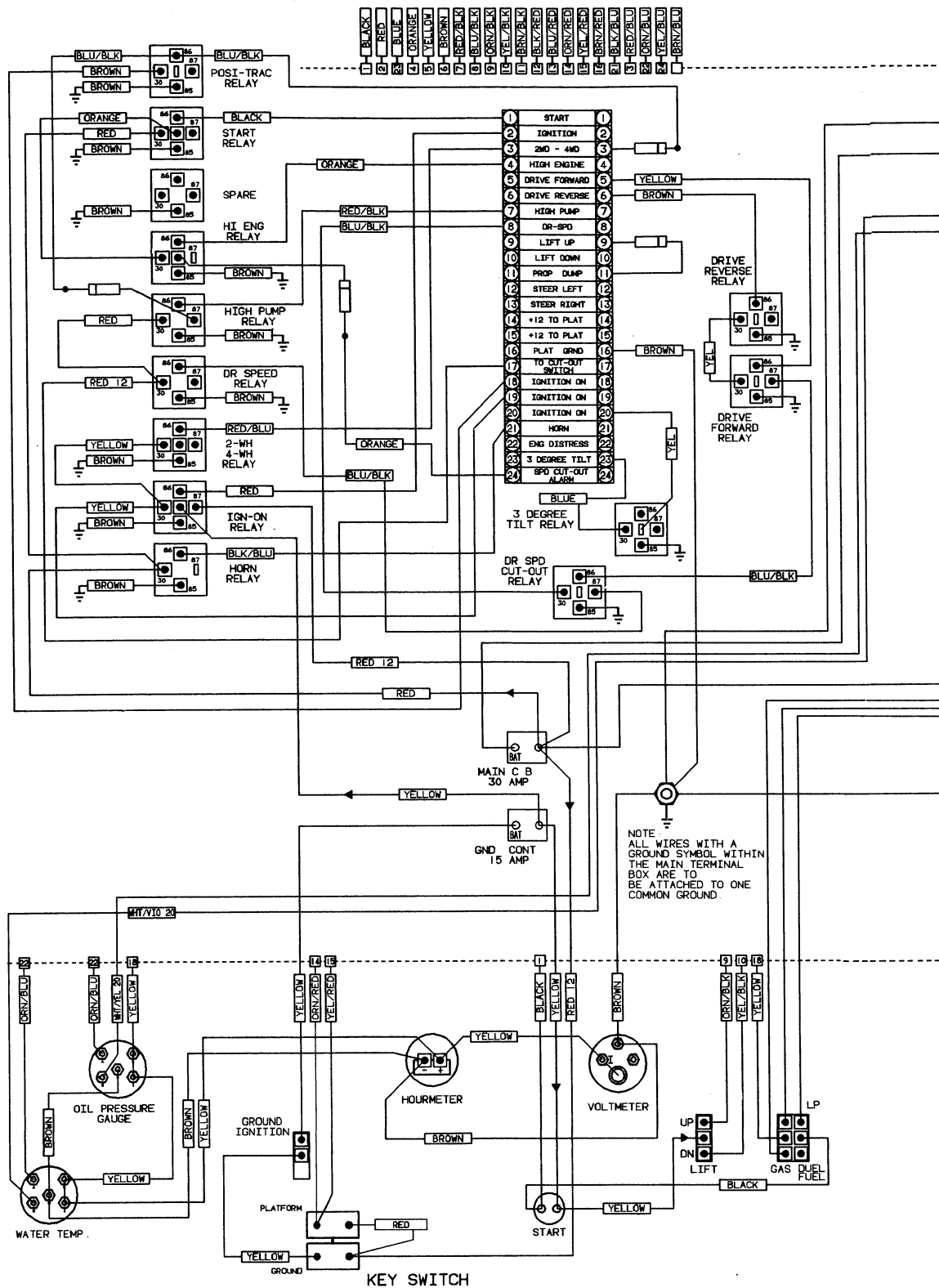


Figure 2-59. Electrical Diagram - Standard (Ford 4WD) (Sheet 1 of 2).

SECTION 2 — ILLUSTRATED PARTS LIST



SECTION 2 — ILLUSTRATED PARTS LIST

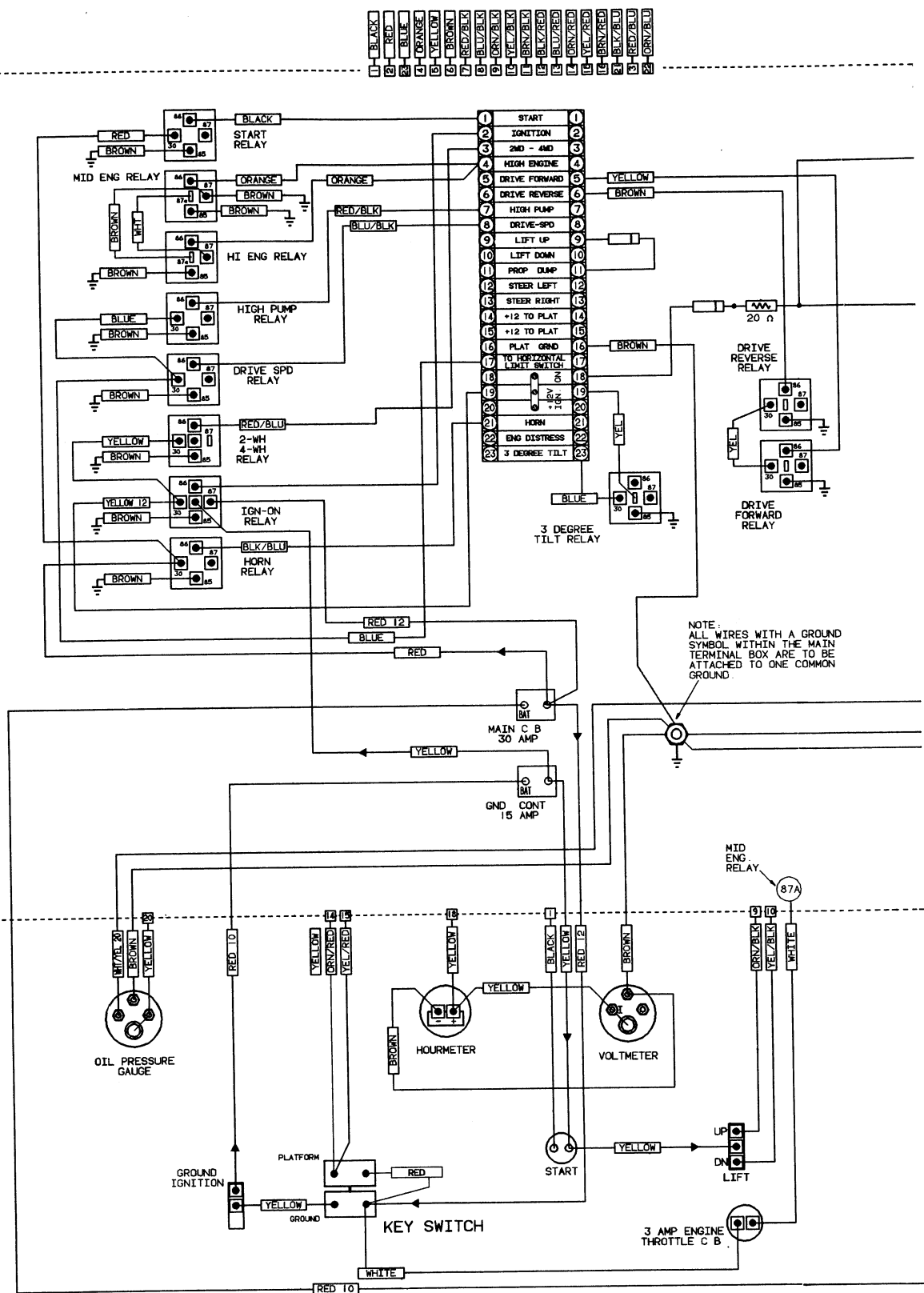
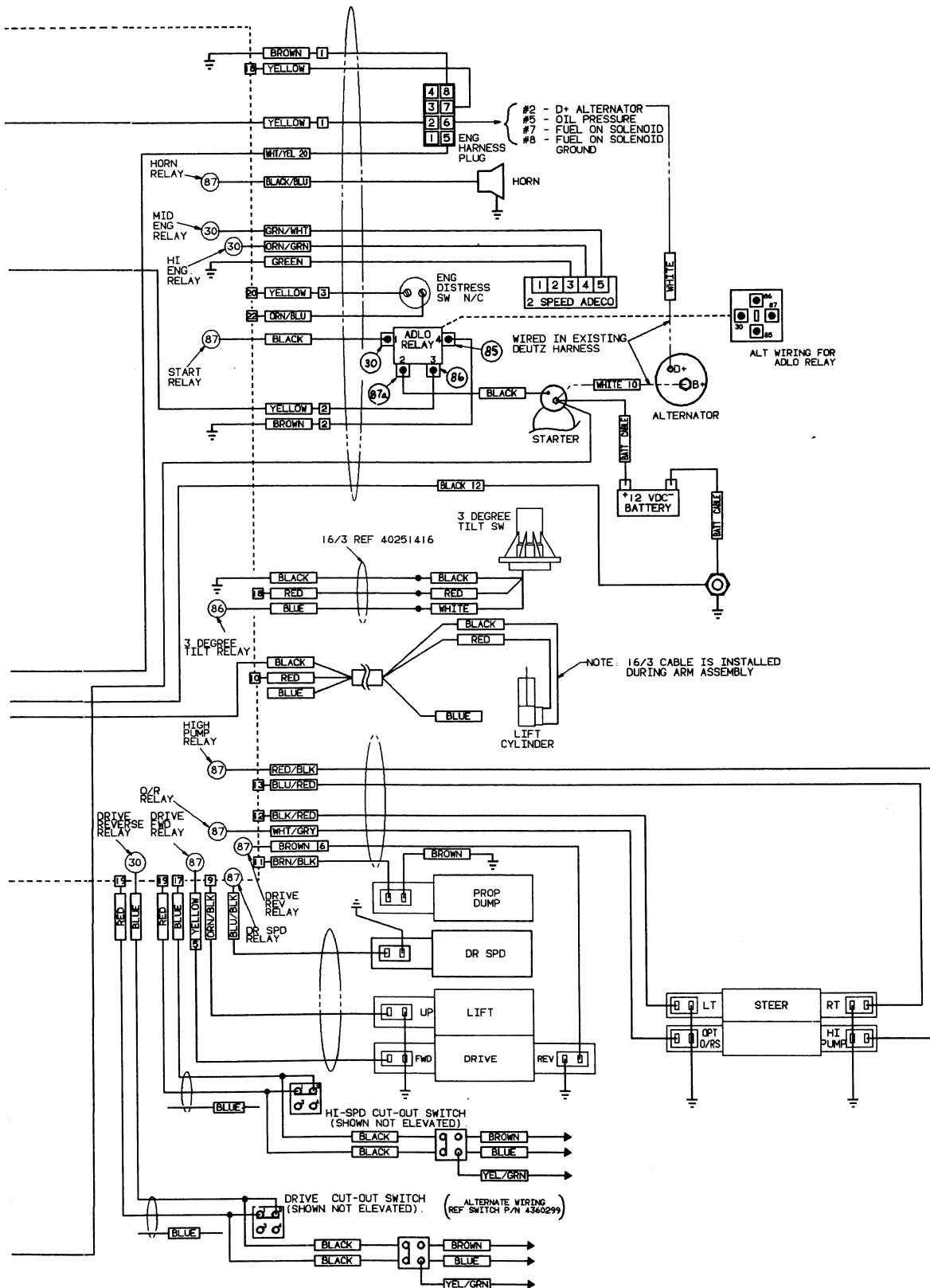


Figure 2-60. Electrical Diagram - Standard (Deutz 2WD) (Sheet 1 of 2).

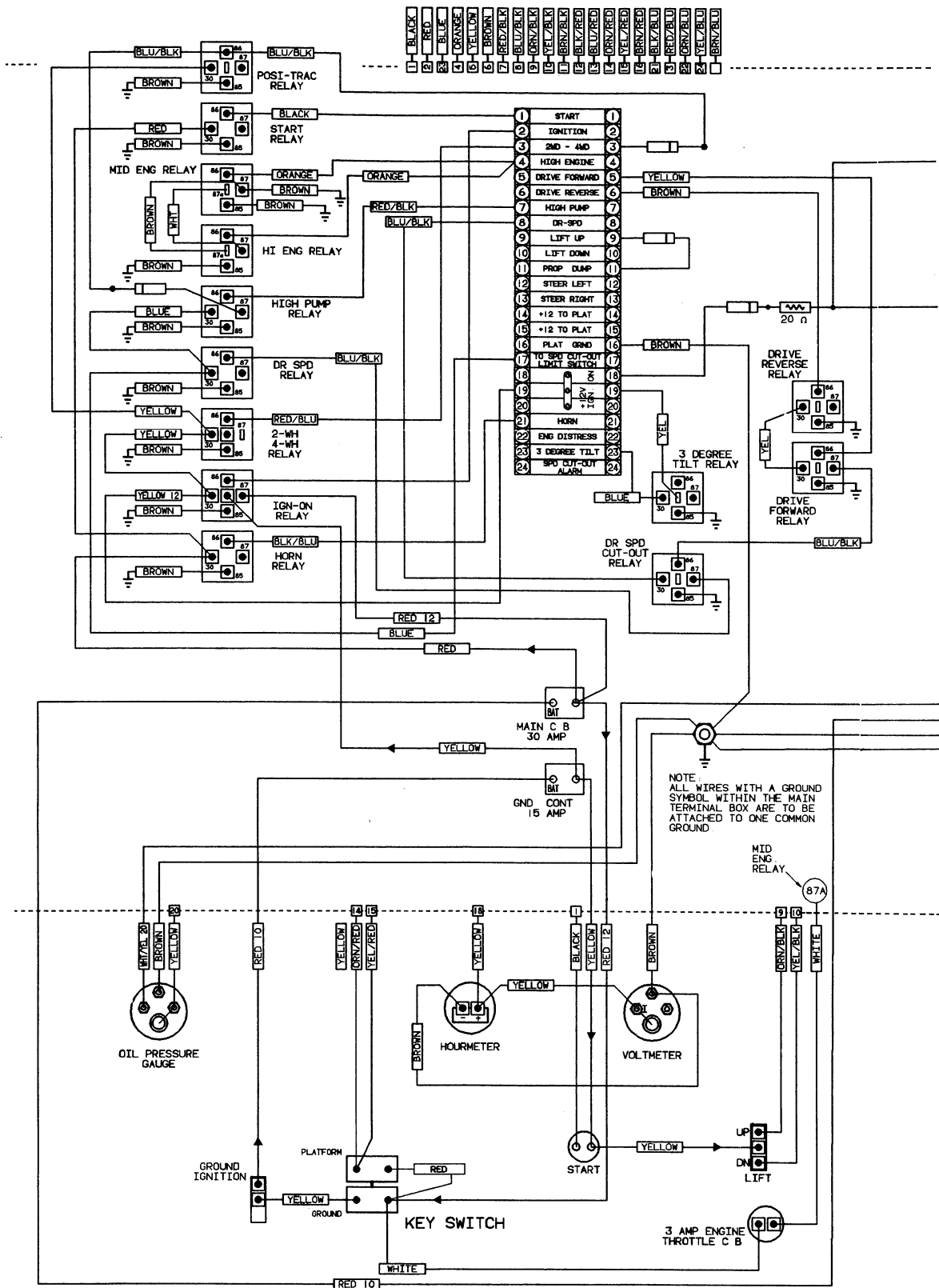
SECTION 2 — ILLUSTRATED PARTS LIST



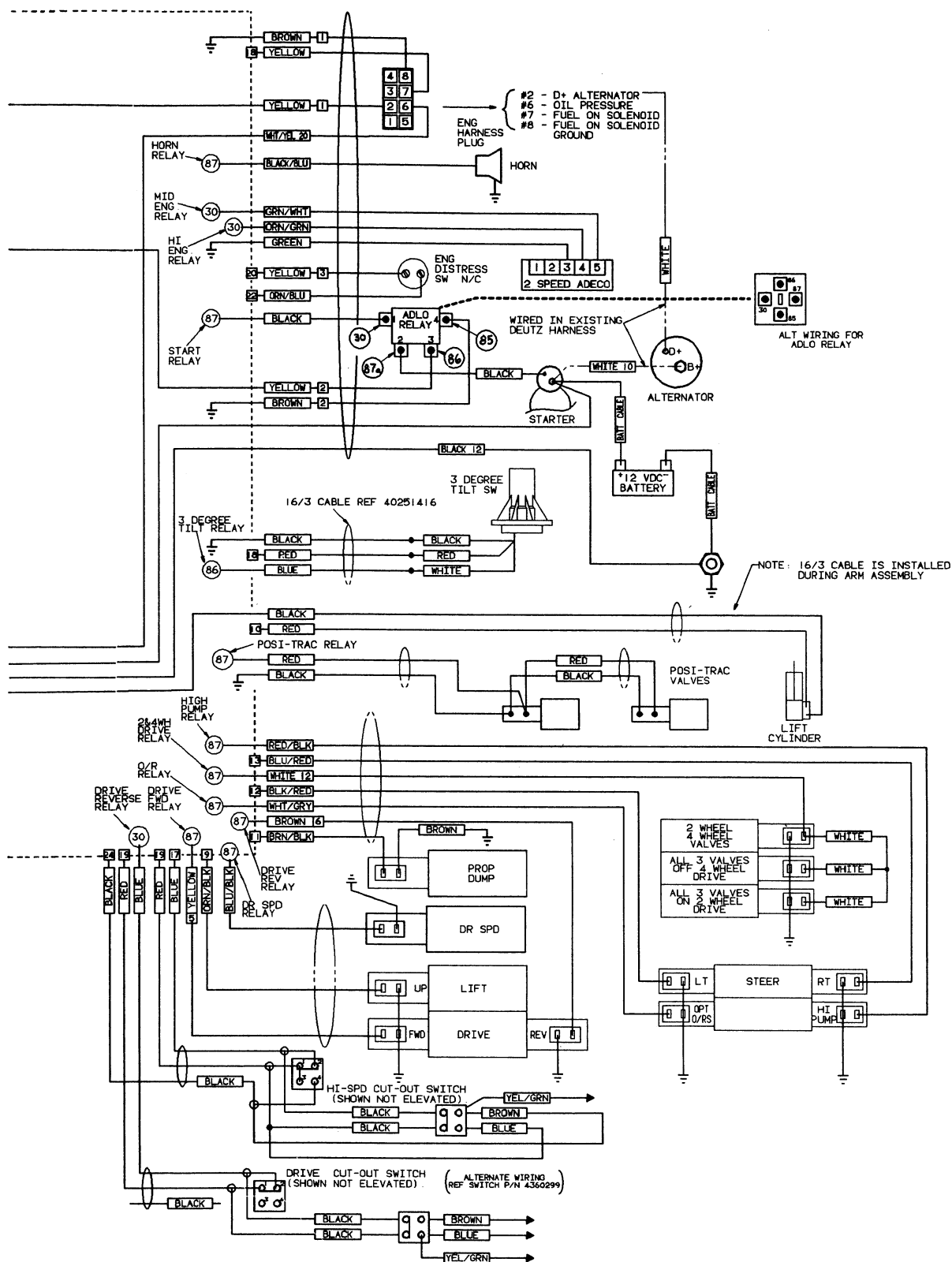
4932342 C

Figure 2-60. Electrical Diagram - Standard (Deutz 2WD) (Sheet 2 of 2).

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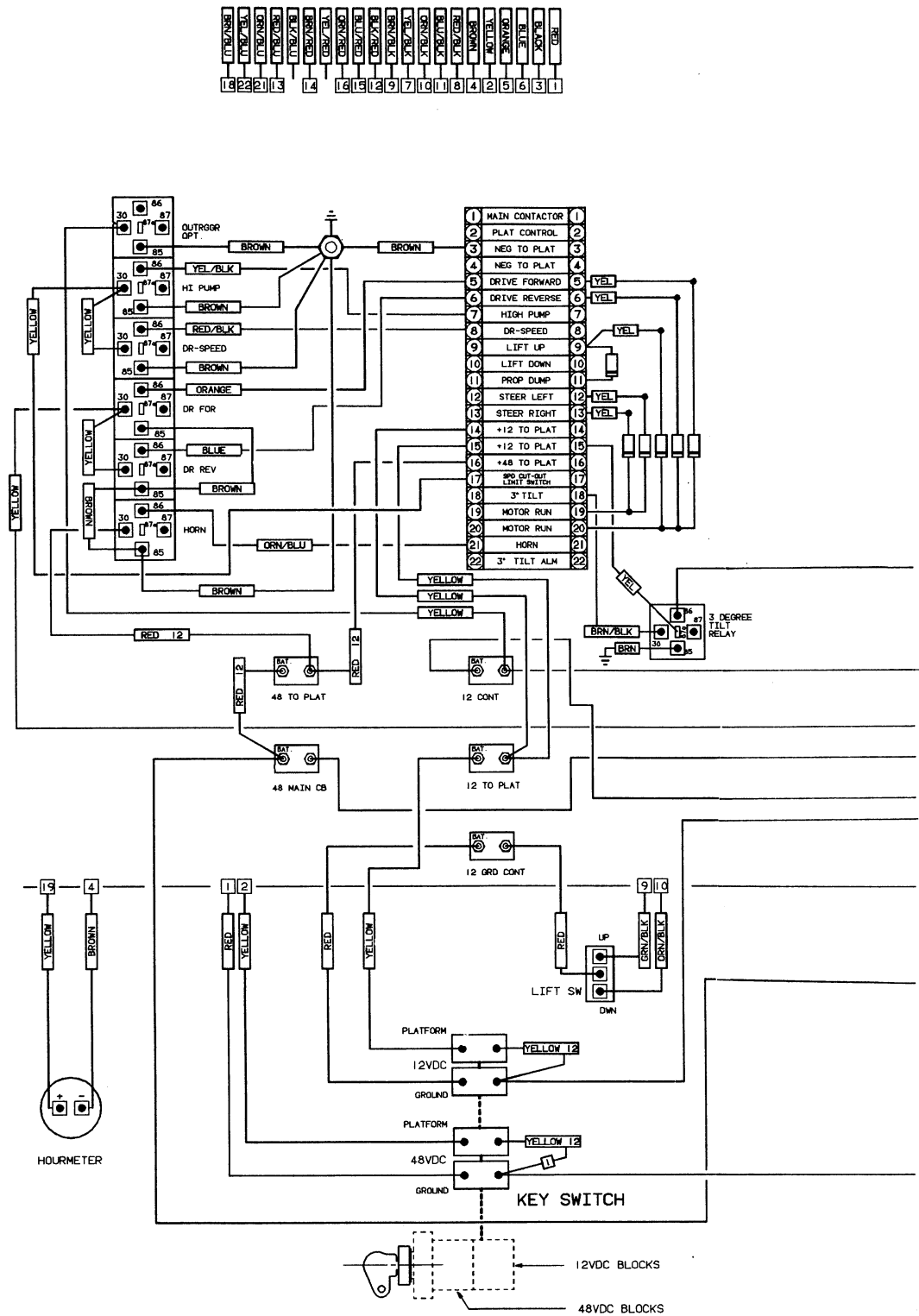
SECTION 2 — ILLUSTRATED PARTS LIST



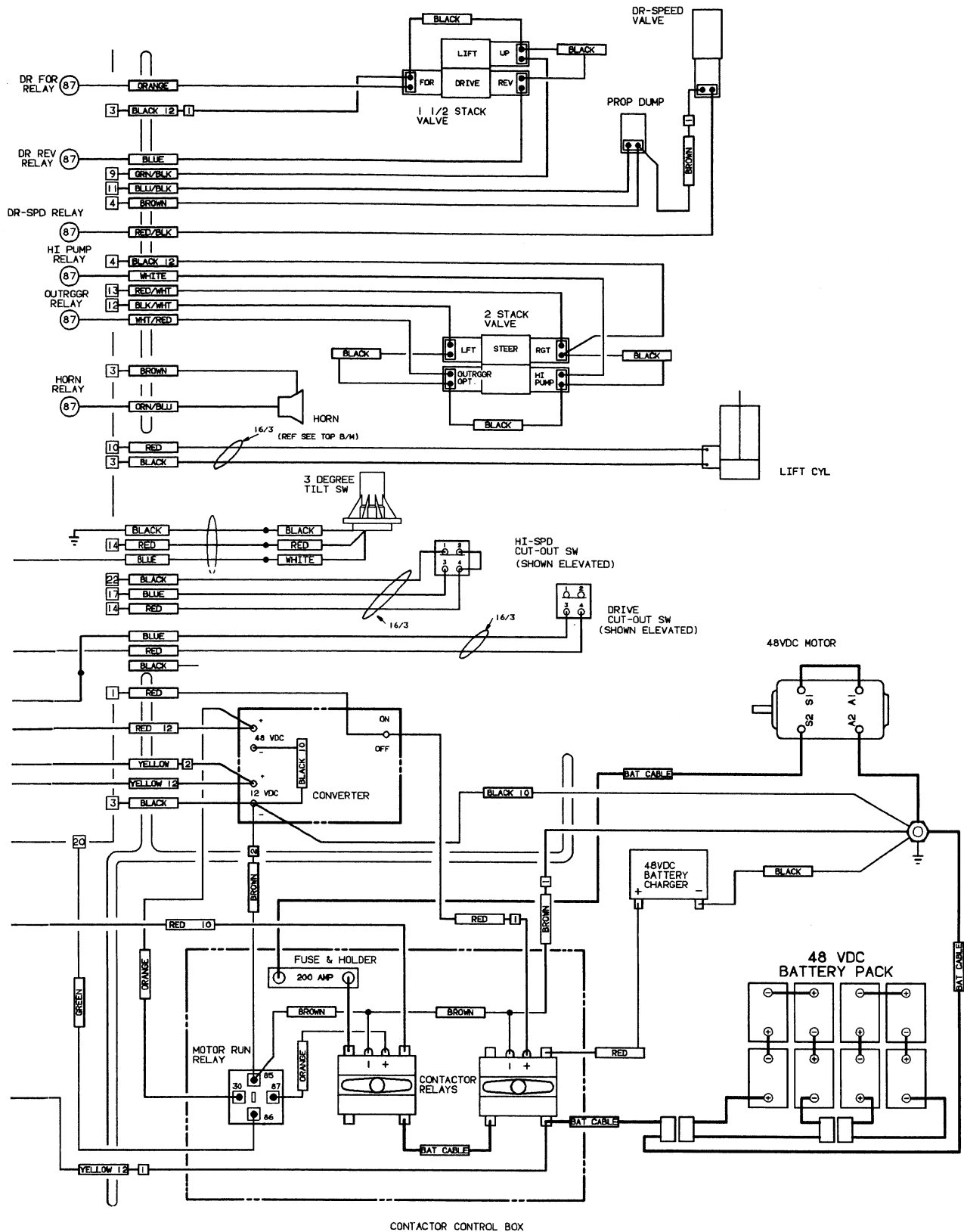
4932359 D

Figure 2-61. Electrical Diagram - Standard (Deutz 4WD) (Sheet 2 of 2).

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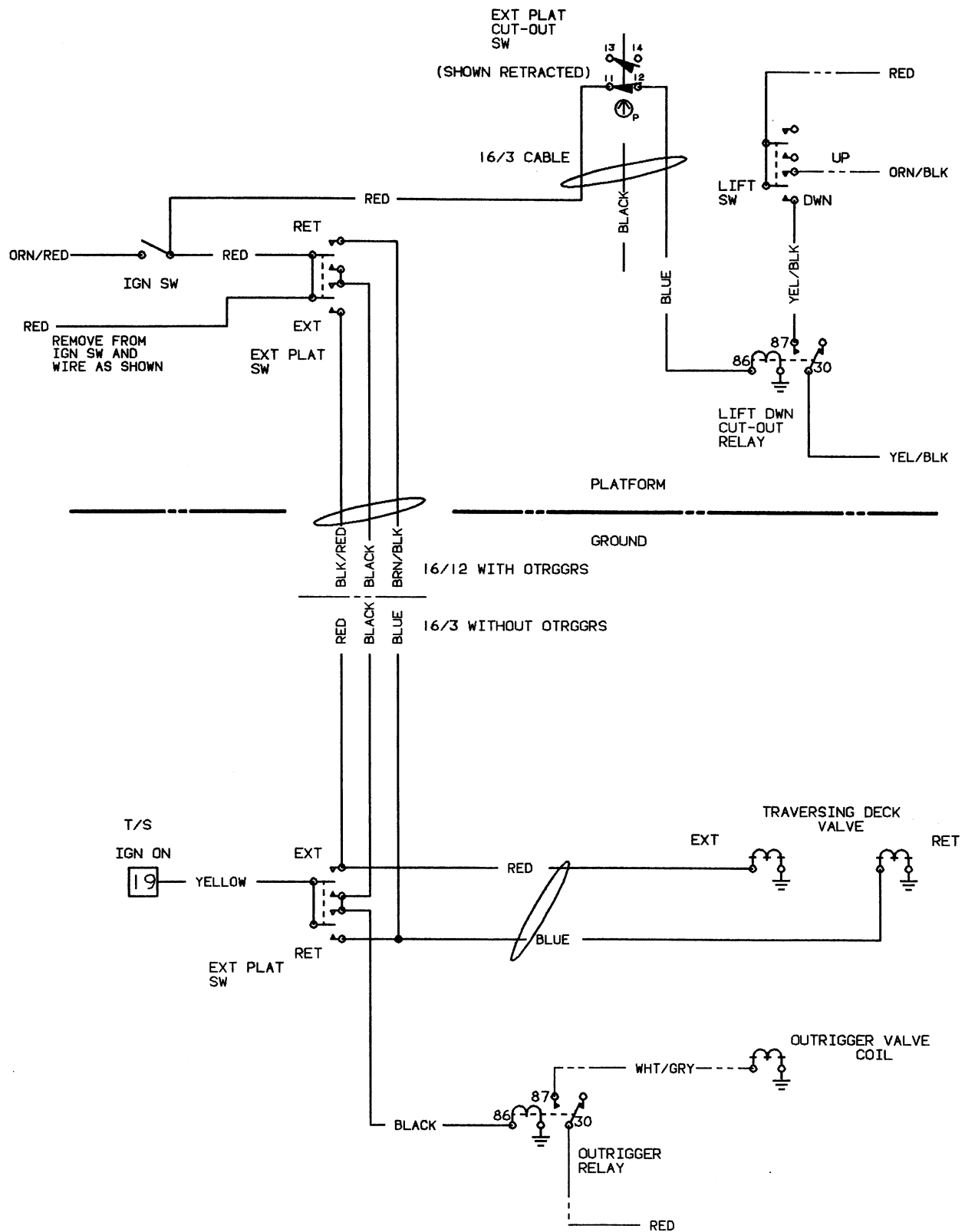
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4932408 A

Figure 2-62. Electrical Diagram - Standard (Electric) (Sheet 2 of 2).

SECTION 2 — ILLUSTRATED PARTS LIST



1281563 —
1281610 —

Figure 2-63. Electrical Diagram - Traversing Platform.

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—64		ELECTRICAL COMPONENTS AND WIRING DIAGRAM LIST	Ref.	
		Note: *-Indicates Wiring Diagrams shown in preceding pages.		
	1281221	ALARMS WIRING DIAGRAMS - GAS AND DIESEL (DWG ONLY)	Ref.	B
	0250407	Alarm Wiring Diagram - Descent (B/M Only)	1	B
	3740049	Relay - SPDT	1	
	0140024	Alarm	1	
	0250408	Alarm Wiring Diagram - Motion (B/M Only)	1	C
	3740049	Relay - SPDT	1	
	0140024	Alarm	1	
	3990010	Diode - 6 Amp	4	
	0250406	Alarm Wiring Diagram - Travel (B/M Only)	1	C
	3740049	Relay - SPDT	1	
	0140024	Alarm	1	
	3990010	Diode - 6 Amp	2	
	1281280	ALARMS WIRING DIAGRAMS - ELECTRIC MACHINES (DWG. ONLY)	Ref.	B
	0250718	Alarm Wiring Diagram - Descent (B/M Only)	1	A
	0140026	Alarm	1	
	0860617	Box, Electrical	1	
	0250719	Alarm Wiring Diagram - Motion (B/M Only)	1	A
	0140026	Alarm	1	
	0860617	Box, Electrical	1	
	3990010	Diode - 6 Amp	4	
	0250717	Alarm Wiring Diagram - Travel (B/M Only)	1	A
	0140026	Alarm	1	
	0860617	Box, Electrical	1	
	3990010	Diode - 6 Amp	2	
	0251754	BATTERY WIRING DIAGRAM - ELECTRIC MACHINES ONLY	Ref.	A
	0251319	BATTERY CAPACITY INDICATOR GAUGE WIRING DIAGRAM - ELECTRIC MACHINES ONLY (OPTIONAL)	Ref.	—
	2420075	Gauge, Battery Capacity Indicator	1	
	0250809	BEACON LIGHT WIRING DIAGRAM (PLATFORM MOUNTED)	Ref.	B
	2920018	Light, Beacon - Amber	1	
	3740049	Relay - SPDT	1	
	1060016	Cable, Electrical - 16/3	16 ft./4.9m	
	0252266	BEACON LIGHT WIRING DIAGRAM (FRAME MOUNTED)	Ref.	—
	2920018	Light, Beacon - Amber	1	
	3740049	Relay - SPDT	1	
	1060016	Cable, Electrical - 16/3	6 ft./1.83m	
	4931444*	DUAL FUEL WIRING DIAGRAM - FORD	Ref.	E
	4360201	Switch, Toggle - DPDT	1	
	4921305	Harness (Platform Box to Vacuum Switch)	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—64		ELECTRICAL COMPONENTS AND WIRING DIAGRAM LIST (CONTINUED)	Ref.	
	4932387*	GENERATOR WIRING DIAGRAM - 110 VOLT (DEUTZ)	Ref.	—
	3990010	Diode - 6 Amp	1	
	3740049	Relay - SPDT	2	
	1060012	Cable, Electrical - 12/4C	4 ft./12.2m	
	4360037	Switch, Pressure - Oil	1	
	4932041*	GENERATOR WIRING DIAGRAM - 110V (FORD) WITH TERMINAL STRIP)	Ref.	A
	3990010	Diode - 6 Amp	2	
	3740049	Relay - SPDT	2	
	4932388	HEADLIGHT AND TAILLIGHT WIRING DIAGRAM (OPTIONAL)	Ref.	—
	4360199	Switch, Toggle - SPST	1	
	4931981	LEVELING JACKS WIRING DIAGRAM	Ref.	C
	3740049	Relay - SPDT	1	
	4921205	Harness - Pump	1	
	4921206	Harness - Dump	1	
	3990010	Diode - 6 Amp	1	
	1060018	Cable, Electrical - 16/12 (CM40RT) (CM33RT) (CM25RT)	A/R 70 ft./21.4m 65 ft./19.8m 51 ft./15.6m	
	1060016	LIFT CYLINDER WIRING DIAGRAM Cable, Electric - 16/3	Ref. 24 ft./7.3m	
	0252366*	OVERLOAD/TILT INTERLOCK WIRING DIAGRAM (FRENCH SPEC BUILT SEPTEMBER 1991 TO PRESENT)	Ref.	A
	3740069	Relay, Bosch	2	
	4360232	Breaker, Circuit - 15 Amp	1	
	3990010	Diode - 6 Amp	5	
	4460428	Connector, Strain Relief (On Pressure Switch)	1	
	4360277	Switch, Limit	1	
	4460052	Connector, Strain Relief (On Limit Switch)	1	
	0251704	PLATFORM EXTENSION LIMIT SWITCH WIRING DIAGRAM	Ref.	A
	1060341	Cable, Electrical - 16/2	15 ft./4.6m	
	4360277	Switch, Limit	1	
	4932353*	PLATFORM CONTROL BOX WIRING DIAGRAM - 2WD GAS AND DIESEL MACHINES	Ref.	B
	4921345	Harness - Controller	1	
	4921090	Harness - Ground	1	
	4920830	Harness - Lift	1	
	4932409*	PLATFORM CONTROL BOX WIRING DIAGRAM - 2WD ELECTRIC MACHINES	Ref.	—
	4921267	Harness - Controller	1	
	4932360*	PLATFORM CONTROL BOX WIRING DIAGRAM - 4WD MACHINES	Ref.	B
	4921346	Harness - Controller	1	
	4920830	Harness - Lift	1	
	4921090	Harness - Ground	1	

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—64		ELECTRICAL COMPONENTS AND WIRING DIAGRAM LIST (CONTINUED)	Ref.	
	1060039	PLATFORM TO GROUND CABLE WIRING DIAGRAM Cable, Electrical - 16/21 (CM40RT) (CM33RT) (CM25RT)	Ref. A/R 70 ft./21.4m 65 ft./19.8m 51 ft./15.6m	
	1060308	RECEPTACLE WIRING DIAGRAM - 110V (OPTIONAL) Cable, Electrical - 12/3 (CM40RT) (CM33RT) (CM25RT)	Ref. A/R 70 ft./21.4m 60 ft./18.3m 51 ft./15.6m	
	4932410* 3990010 4921288 4921242 1060016	STANDARD WIRING DIAGRAM - FORD 2WD Diode - 6 Amp Harness - Valve Harness - Engine Cable, Electrical - 16/3	Ref. 2 1 1 39 ft./11.9m	B
	4932411* 3990010 4921288 4921242 1060016	STANDARD WIRING DIAGRAM - FORD 4WD Diode - 6 Amp Harness - Valve Harness - Engine Cable, Electrical - 16/3	Ref. 4 1 1 39 ft./11.9m	B
	4932342* 3990010 4921288 1060300 4921344 3730003	STANDARD WIRING DIAGRAM - DEUTZ 2WD Diode - 6 Amp Harness - Valve Cable, Electrical - 16/3 Harness - Engine Resistor 20 Ohm	Ref. 8 1 24 ft./7.3m 1 1	C
	4932359* 3990010 4921360 4921344 1060016 3730003	STANDARD WIRING DIAGRAM - DEUTZ 4WD Diode - 6 Amp Harness - Valve Harness - Engine Cable, Electrical Resistor 20 Ohm	Ref. 4 1 1 39 ft./11.9m 1	D
	4932408* 3990010 4921377 4921376 1060300	STANDARD WIRING DIAGRAM - ELECTRIC MACHINES Diode - 6 Amp Harness - Motor Harness - Valve Cable, Electric 16/3	Ref. 6 1 1 25 ft./7.6m	B
	0251416 1060016 4360280	TILT INDICATOR WIRING DIAGRAM Cable, Electric - 16/3 Sensor, Tilt	Ref. 6 ft./1.83m 1	A
	1281563*	TRAVERSING PLATFORM WIRING DIAGRAM (WITHOUT LEVELING JACKS) (DWG ONLY)	Ref.	—
	3510336	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM40RT WITHOUT LEVELING JACKS)	Ref.	B
	3510335	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM33RT WITHOUT LEVELING JACKS)	Ref.	B

SECTION 2 — ILLUSTRATED PARTS LIST

FIGURE & INDEX NO.	PART NUMBER	ITEMS & DESCRIPTION	QTY.	REV.
2—64		ELECTRICAL COMPONENTS AND WIRING DIAGRAM LIST (CONTINUED)	Ref.	
	3510334	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM25RT WITHOUT LEVELING JACKS)	Ref.	B
	4360202	Switch, Toggle	2	
	3990010	Diode - 6 Amp	2	
	1060016	Cable, Electrical - 16/3 (Cut-Out Switch to Platform Box)	12 ft/3.7m	
	1060016	Cable, Electrical - 16/3 (Platform Extension Switch to Ground Extension Switch)	A/R	
		(CM40RT)	131 ft./40m	
		(CM33RT)	111 ft./83m	
		(CM25RT)	93 ft./28.35m	
	1281610*	TRAVERSING PLATFORM WIRING DIAGRAM DIAGRAM (WITHOUT LEVELING JACKS) (DWG ONLY)	Ref.	—
	3510341	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM40RT WITHOUT LEVELING JACKS)	Ref.	A
	3510340	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM33RT WITHOUT LEVELING JACKS)	Ref.	A
	3510339	TRAVERSING PLATFORM WIRING DIAGRAM (B/M ONLY) (CM35RT WITHOUT LEVELING JACKS)	Ref.	A
	4360202	Switch, Toggle	2	
	3990010	Diode - 6 Amp	2	
	1060016	Cable, Electrical - 16/3 (Cut-Out Switch to Platform Box)	12 ft./3.7m	
	1060018	Cable, Electrical - 16/12 (Platform Extension Switch to Ground Extension Switch)	A/R	
		(CM40RT)	70 ft./21.4m	
		(CM33RT)	65 ft./19.8m	
		(CM25RT)	51 ft./15.6m	
	0251805	WORKLIGHT WIRING DIAGRAM - PLATFORM	Ref.	—
	2920013	Worklight	2	



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