



Parts Manual

Serial Number Range

S-60

from SN 2575 to 9153

S-65

Part No. 48411

Rev G28

January 2015

Technical Publications

Genie has endeavored to deliver the highest degree of accuracy possible. However, continuous improvement of our products is a Genie policy. Therefore, product specifications are subject to change without notice.

Readers are encouraged to notify Genie of errors and send in suggestions for improvement. All communications will be carefully considered for future printings of this and all other manuals.

Contact Us:

<http://www.genielift.com>

e-mail: awp.techpub@terex.com

Serial Number Information

Genie Industries offers the following Parts Manuals for these models:

Title	Part No
Genie S-60 Parts Manual (before serial number 653)	28780
Genie S-60 and S-65 Parts Manual (from serial number 653 to 2574)	34477

Manuals

Genie Industries offers the following support documents for these models:

Title	Part No
Genie S-60 and S-65 Operator's Manual (from SN 1646 to 9153)	43648
Genie S-60 and S-65 Service Manual (from SN 5389 to 9153)	65196
Genie Industries Schematic and Diagram Manual	65784
EMI Safety Manual	27581
Manual of Responsibilities ANSI A92.5	31779

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A TEREX BRAND

Model: S-60

Serial number: S6001-12345

Model year: 2001 **Manufacture date:** 04/12/01

Electrical schematic number: E0186

Machine unladen weight: 20,736lbs / 9,406kg

Foam Tires add 764 lbs/347 kg to weight

Rated work load (including occupants): 500 lb / 227 kg

Maximum number of platform occupants: 2

Maximum allowable side force : 150 lb / 670 N

Maximum allowable inclination of the chassis:

Air Tires 2 deg / Foam Tires 4.5 deg

Maximum wind speed : 28 mph/ 12.5 m/s

Maximum platform height : 60 ft 2 in/ 18.3 m

Maximum platform reach : 50 ft 4 in/ 15.3 m

Gradeability: 45%

Country of manufacture: USA

This machine complies with:

ANSI A92.5

CAN B.354.4

Terex South Dakota, Inc.

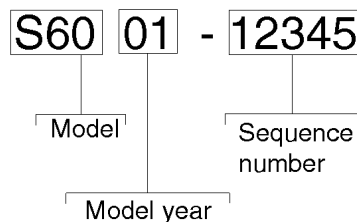
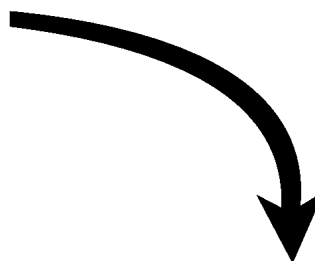
18340 NE 76th Street

Redmond, WA 98052

USA



111000011



Serial label
(located under cover)

Serial number
stamped on chassis

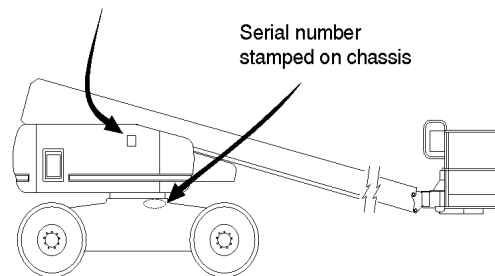


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Electronic Version

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Notes

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How To Use This List

The service parts listed below have been divided into four priority groups: A, B, C and D. Use the group code and quantities listed to plan enough inventory to support your fleet. The quantities shown are recommended for 1 to 5 machines. Many of these service parts are common to other Genie products.

Group A parts are required to perform maintenance procedures as outlined in the *Genie S-60 and Genie S-65 Service Manual*.

Group B parts solve 75% of machine troubleshooting issues.

Group C parts affect the safe operation of the machine.

Group D parts are common replacement items.

Group A

Part No.	Description	Qty.
49612	Plug and Cap Kit (for ORFS fittings).....	1
46014	Filter Element, 6 Micron Fiberglass.....	5
62421	Filter - Fuel (Perkins models)	5
63463	Filter - Air (Perkins models)	2
62420	Element - Air Filter (Perkins models).....	5
20880	Filter - Hydraulic, Medium Pressure	5
33971	Filter - Fuel (Gasoline/LPG models)	5
28656	Filter - Engine Oil (Gasoline/LPG models)	5
49924	Filter - Engine Oil (Deutz Diesel models)	5
29560	Filter - Fuel (Deutz Diesel models)	5
27916	Element - Air Filter	5
28647	Spark Plug (Gasoline/LPG models).....	4
33961	Serpentine Belt (Gasoline/LPG models)	1
33957	Valve - PCV (Gasoline/LPG models).....	1
32698	V-Belt (Deutz Diesel models).....	1
65490	Belt - Fan (Perkins models)	1

Group B

Part No.	Description	Qty.
28750	O-Ring Kit (valves)	1
49613	O-Ring Kit (for ORFS fittings)	1
65517	Seal Kit - Steering Cylinder	1
63350	Seal Kit - Master & Slave Cylinders.....	1
63340	Seal Kit - Extension Cylinder, Primary End	1
63341	Seal Kit - Extension Cylinder, Platform End	1
33440	Seal Kit, 73:1 Drive Hub	1
29291	Seal Kit - Mico Brake	1
33444	Seal Kit - Drive Motor (2WD models)	1
65865	Seal Kit - Drive Motor (4WD models)	1
29739	Seal Kit - Drive Pump	1
49528	Seal Kit - Hydraulic Rotary Coupler.....	1
33930	Seal Kit - Platform Rotator.....	1
34052	Relay - SPDT, 12V.....	1
21982	Key - Ignition.....	5
16397	Switch - Toggle, DPDT	1
13037	Switch - Toggle, SPDT.....	1
13480	Switch - Toggle, DPDT, 2 Position, Momentary.....	1
27378	Switch - Toggle, DPDT, 2 Position, Maintained	1
45827	Solenoid - Fuel Shutoff, 12V DC (Gas/LPG)	1
43181	Capacitor - Time Delay (S-65 models)	1
27155	Solenoid, 12V DC Continuous.....	1
24018	Circuit Breaker, 15A.....	1
19274	Relay - SPDT, 12V (S-65 models)	1
33954	Wire Set - Spark Plugs	1
33967	Ignition Start Module (Gasoline/LPG models)	1
45782	Diode, 6A	10
45081	Contact - N.O.....	2
29073	Solenoid (Deutz Diesel models)	1
29732	Contact - N.C.....	2

Group C

Part No.	Description	Qty.
43648	Operator's Manual	5
52056	Decal Kit - Safety/Instructional, Gasoline/LPG	1
46200	Decal Kit - Safety/Instructional, Diesel	1
41769	Valve - D03, 10V DC	1
27801	Valve - Proportional Solenoid, 12V	1
27804	Valve - Differential Sensing, 150 psi (12 bar)	1
33428	Valve - Counterbalance	1
32722	Valve - Counterbalance	1
33438	Valve - Counterbalance	1
40134	Valve - Sequence	1
36188	Valve - Counterbalance	2
36207	Valve - Counterbalance	1
43169	Valve - Counterbalance	1
29066	Valve - Solenoid, 10V DC	2
44586	Level Sensor.....	1
19491	Contact - Limit Switch	1
25050	Limit Switch - with Roller Arm.....	1
19270	Alarm - Warble Tone	1
32335	Indicator Light, 12V DC	1
20424	Joystick Controller - Drive/Steer Functions	1
24495	Joystick Controller - Boom Functions, Single Axis	1
40613	Joystick Controller - Boom Functions, Dual Axis.....	1
83005	Valve - Solenoid, 10V DC	1
83006	Valve - Solenoid, 10V DC	1

Group D

Part No.	Description	Qty.
29314	Key - Latch Assembly (Turntable Covers)	2
46677	7 Piece Cable Track Repair Kit (steel)	1
25881	Boot - Thumb Rocker (20424 controller)	2
25882	Ring - Lock (20424 controller)	1
25883	Handle Half Set (pair) (20424 controller).....	1
22368	Boot - Joystick Shaft (20424 controller).....	2
22364	Potentiometer (20424 controller)	1
23680	Microswitch - Handle (20424 controller)	2
27133	Handle - Cap (24495 & 40613 controllers)	2
27134	Boot - Joystick Shaft (24495 & 40613 controllers)	2
19712	Microswitch (24495 & 40613 controllers)	2
27246	Rubber - Toggle Switch Boot.....	5
32150	Genie Blue Paint, 1 Gallon	1
1484	Genie Blue Paint, 12 Ounce Aerosol.....	1
32151	Genie Gray Paint, 1 Gallon.....	1
1268	Genie Gray Paint, 12 Ounce Aerosol	1

How To Order Parts

How To Order Parts

Please be prepared with the following information when ordering replacement parts for your Terex or Genie product:

- ☒ Machine model number
- ☒ Machine serial number
- ☒ Part number
- ☒ Part description and quantity
- ☒ Purchase order number
- ☒ "Ship to" address
- ☒ Desired method of shipment
- ☒ Name and telephone number of the authorized distributor in your area

Use the Service Parts Fax Order Form on the next page and fax your order to our Parts Department.

If you don't know the name of your authorized distributor, or if your area is not currently serviced by an authorized distributor, please call Terex or Genie Industries.

North America

Telephone (425) 556-6551
Toll Free (877) 367-5606 in U.S.A. and Canada
Fax (425) 556-8659
Toll Free Fax (888) 274-6192

Europe

Parts Telephone (31) (165) 519 313
Parts Fax (31) (165) 511 148

Australia

Parts Telephone (61) (7) 3456 4444
Parts Fax (61) (7) 3456 4466

South America

Parts Telephone (55) (11) 4082 5600
Parts Fax (55) (11) 4082 5630

Machine Information

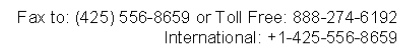
Model

Serial Number

Date of Purchase

Authorized Genie Distributor

Phone Number



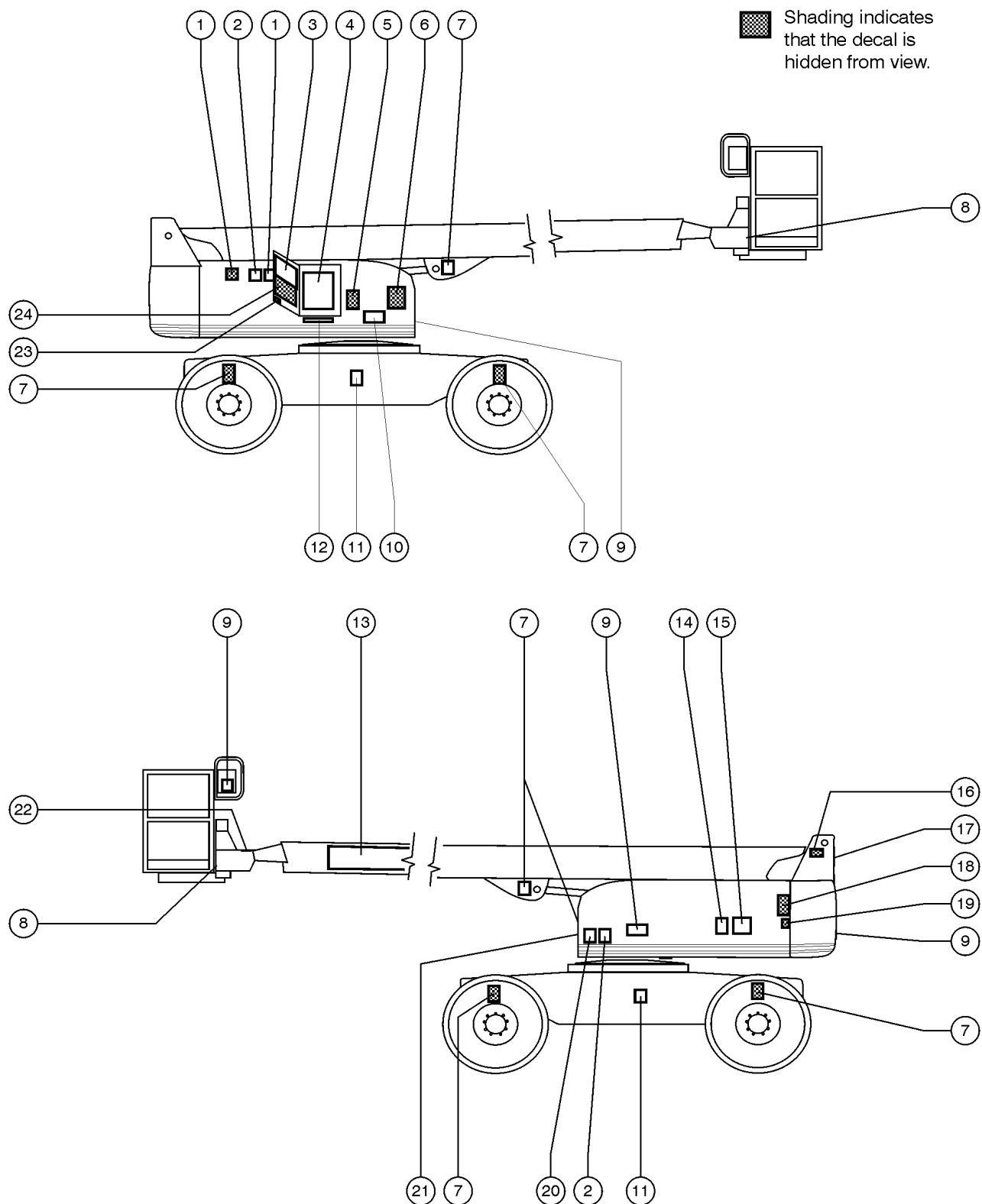
Date _____	Account Number _____
Your Name _____	Your Fax Number _____
_____	Your Phone Number _____
Bill To _____	Ship To _____
_____	_____
_____	_____
_____	_____
Purchase Order Number _____	Ship Via _____

Optional Equipment _____

All back-ordered parts will be shipped when available via the same ship method as the original order unless Noted below:

- Genie**
— A TEREX BRAND

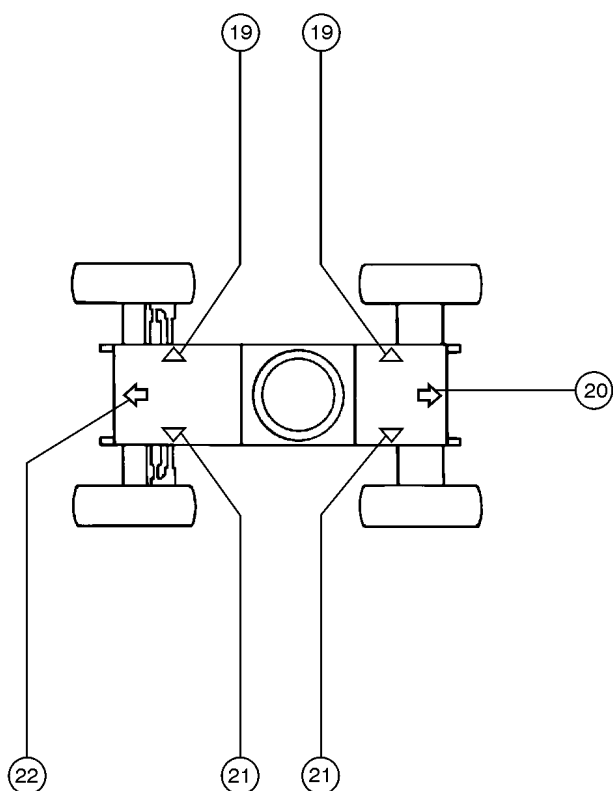
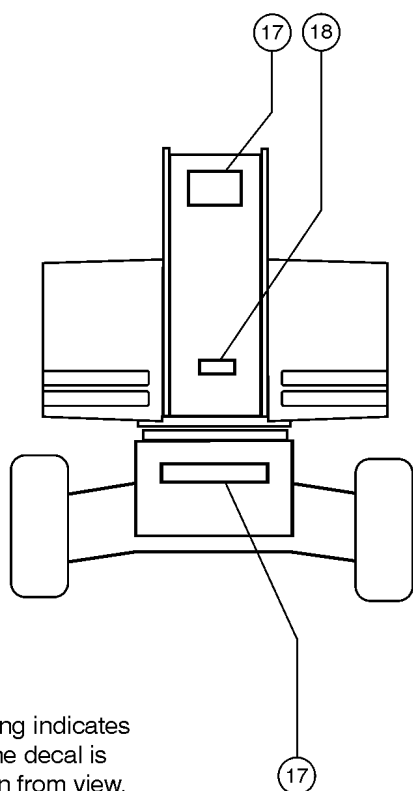
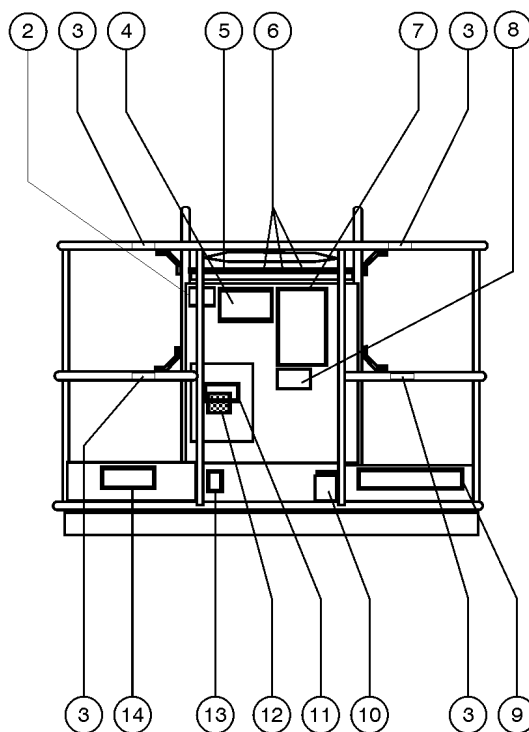
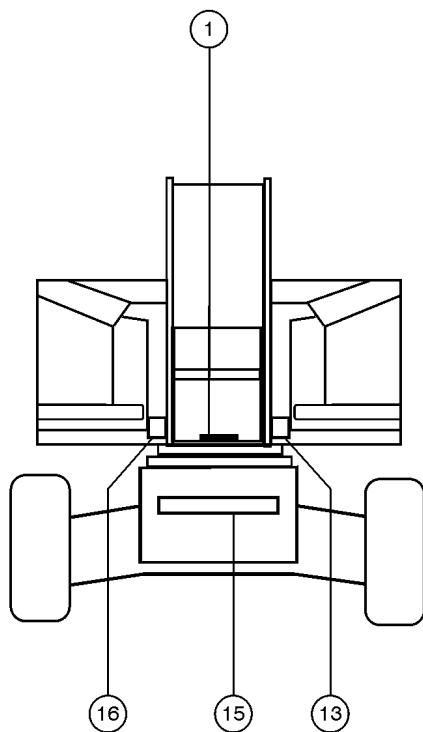
101.1 Decals and Paint - View 1



101.1 Decals and Paint - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***		15	28175	DECAL,COMPARTMENT ACCESS.....	1
--	1484	PAINT,AEROSOL,BRIGHT BLUE***		16	31060	DECAL,DANGER DO NOT ALTER SWTC.....	1
--	32150	PAINT,WET,GENIE BLUE (1 GL)**		17	62077	DECAL,COSMETIC,S60.....	1
--	32151	PAINT,WET,GENIE GRAY (1 GL)**		17	62079	DECAL,COSMETIC,S65.....	1
--	46200	DECAL KIT,INSTRUCT,S60/65 DSL Diesel Models; kit does not include Index No's. 4, 6, 9, 13, 17, 18, 20, 21 and 23		18	49741	DECAL,NOTICE,FORD EFI ENG SPEC.....	1
--	52056	DECAL KIT,INSTR,S60/65 GAS*** Gasoline/LPG Models; kit does not include Index No's. 4, 6, 9, 13, 17, 18, 19, 21 and 23		--	53037	DECAL,NOTICE,DEUTZ ENG SPEC.....	1
1	28158	DECAL,LABEL,UNLEADED GAS ONLY.....	2	--	82644	DECAL, ENGINE SPEC, PERKINS.....	1
--	28159	DECAL,DIESEL.....	2	19	35599	DECAL,NOTICE,AIR INLET*** Diesel Models	1
2	28171	DECAL,DANGER,NO SMOKING***.....	2	20	28160	DECAL,LABEL,LIQUID PROPANE.....	1
3	43647	DECAL,NOTICE,OPER INST.IC***.....	1	21	44981	DECAL,LABEL,AIRLINE 110 PSI.....	2
4	49926	DECAL,GND CONT PNL,S45/60/80**.....	1	22	28181	DECAL,WARN,FALL HAZARD.....	1
--	72160	DECAL,GND CONT PNL,S45/S60/80..... from SN 6830	1	23	52972	DECAL,CE MARK,3".....	1
5	25994	DECAL,NOTICE,SHUTOFF VALVES.....	1	--	97890	DECAL,DANGER,GEN SAFETY RULES.....	1
6	77046	SERIAL # LABEL,MYLAR 4X8***.....	1	24	28157	DECAL,USE DEXRON***.....	1
7	28161	DECAL,WARN,CRUSH HAZARD HAND.....	7				
8	28177	DECAL,WARN,CRUSH HAZARD PLAT.....	2				
9	28235	DECAL,POWER TO PLATFORM 115V.....	1				
--	28174	DECAL,POWER TO PLATFORM 230V.....	1				
10	27564	DECAL,DANGER,ELEC.HAZ.STAY CLR.....	3				
11	33973	DECAL,NOTICE,TIRE PRESSURE.....	2				
12	43663	DECAL,NOTICE, FUNCTION ENABLE*.....	1				
13	62076	DECAL,COSMETIC,GENIE S-60.....	1				
13	62078	DECAL,COSMETIC,GENIE S65.....	1				
14	28164	DECAL,NOTICE,HAZARDOUS MAT'LS*.....	1				

102.1 Decals and Paint - View 2

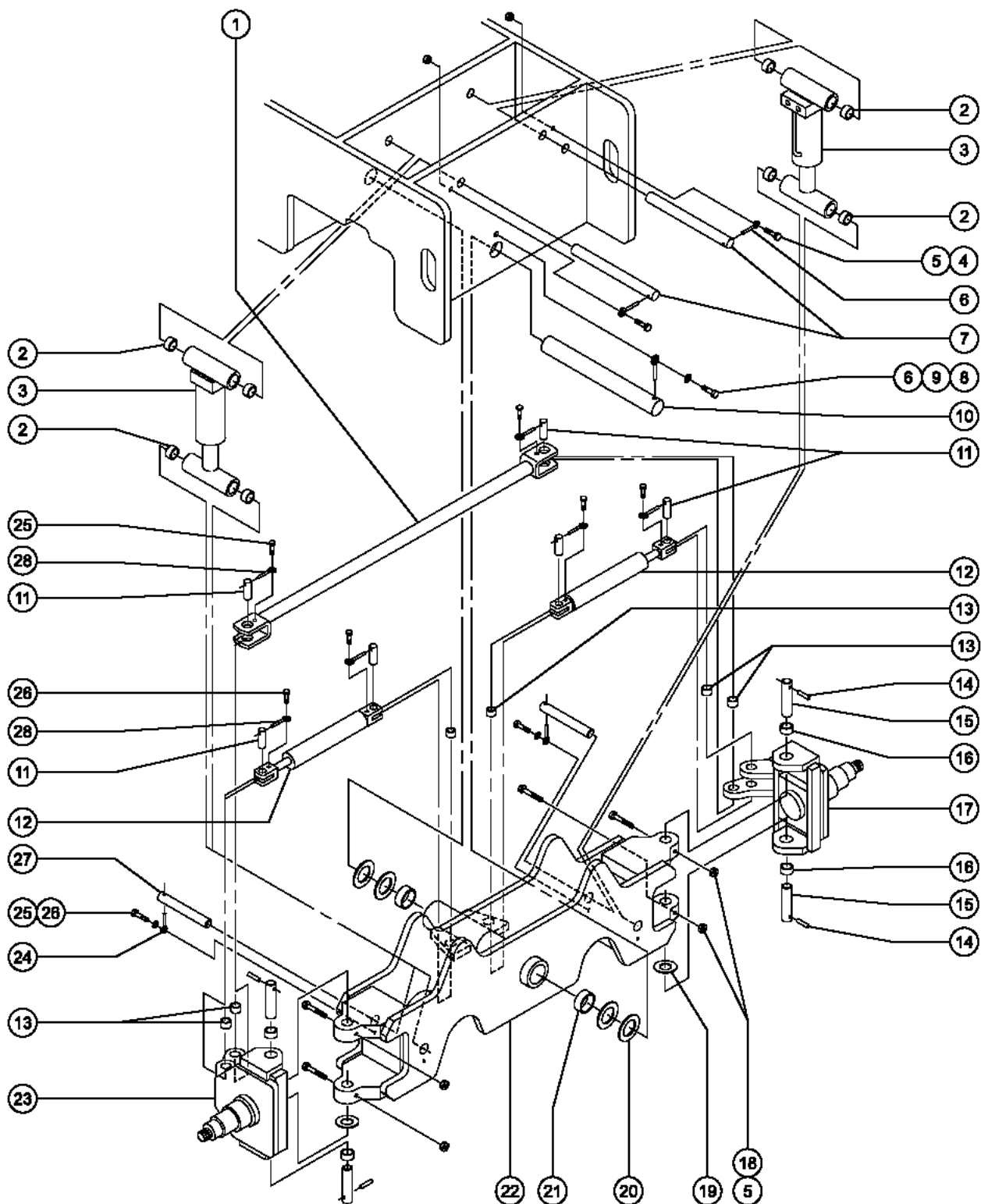


 Shading indicates that the decal is hidden from view.

102.1 Decals and Paint - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***		--	44769	DECAL,LABEL,LFT/DRV SELECT.....	1
--	1484	PAINT,AEROSOL,BRIGHT BLUE***		--	72867	DECAL,LABEL,LIGHTS***	1
--	32150	PAINT,WET,GENIE BLUE (1 GL)**		7	97890	DECAL,DANGER,GEN SAFETY RULES.....	1
--	32151	PAINT,WET,GENIE GRAY (1 GL)**		8	43595	DECAL,DANGER,TIP-OVER,TIRES***.1	
--	46200	DECAL KIT,INSTRUCT,S60/65 DSL <i>Diesel Models; kit does not include Index No's. 5, 6, 8, 9, 13, 14, 15, 16 and 17</i>		9	30080	DECAL,NOTICE,MAX LOAD 500 LBS.....	1
--	52056	DECAL KIT,INSTR,S60/65 GAS*** <i>Gasoline/LPG Models; kit does not include Index No's. 5, 6, 8, 9, 13, 14, 15, 16 and 17</i>		--	32998	DECAL,NOTICE,MAX LOAD 600 LBS.....	1
1	28161	DECAL,WARN,CRUSH HAZARD HAND.....	1	--	43594	DECAL,NOTICE,MAX LOAD 750 LBS.....	1
2	33952	DECAL,DANGER,TILT ALARM***....	1	10	28165	DECAL,INSTRUCT,FOOTSWITCH OPER.....	1
3	40434	DECAL,LANYARD ANCHORAGE POINT.....	4	11	28236	DECAL,WARN,IMPROPER OPERATION.....	1
4	43647	DECAL,NOTICE,OPER INST.IC***	1	12	28176	DECAL,LABEL,MANUAL NOT HERE.....	1
5	32941	DECAL,PLATFORM CTRL PANEL ***	1	13	44981	DECAL,LABEL,AIRLINE 110 PSI.....	2
		<i>to SN 3099</i>		14	97887	DECAL,INSTR,MAX SIDE FRC,ANSI.....	1
--	33949	DECAL,PROTECTOR PLAT,S80/60***	1			<i>ANSI and CSA models</i>	
--	52156	DECAL,PLATFORM CTRL PANEL.....	1	--	44986	DECAL,INSTR,SIDE FRC/WIND,AUS.....	1
		<i>from SN 3100 to SN 6829</i>				<i>CE models</i>	
--	52251	DECAL,PROTECTOR,CLEAR,PLATE***.1		15	52966	DECAL,COSMETIC,4 X 2.....	1
--	72162	DECAL,PLATFORM CTRL PANEL.....	1	--	52967	DECAL,COSMETIC,4 X 4.....	1
		<i>from SN 6830</i>		16	28235	DECAL,POWER TO PLATFORM 115V.....	1
5A	32941	DECAL,PLATFORM CTRL PANEL ***	1	--	28174	DECAL,POWER TO PLATFORM 230V.....	1
		<i>to SN 3099</i>		17	62077	DECAL,COSMETIC,S60.....	2
--	33949	DECAL,PROTECTOR PLAT,S80/60***	1	17	62079	DECAL,COSMETIC,S65.....	2
5B	52156	DECAL,PLATFORM CTRL PANEL.....	1	18	27564	DECAL,DANGER,ELEC.HAZ.STAY CLR.....	1
		<i>from SN 3100 to SN 6829</i>		19	27207	DECAL,TRIANGLE,YELLOW.....	2
5C	72162	DECAL,PLATFORM CTRL PANEL.....	1	20	27205	DECAL,ARROW YELLOW LRG 9"	1
		<i>from SN 6830</i>		21	27206	DECAL,TRIANGLE,BLUE.....	2
6	49927	DECAL,OPTION GLOW PLUGS***	1	22	27204	DECAL,ARROW BLUE.....	1
--	32728	DECAL,OPTION GENERATOR***...1					

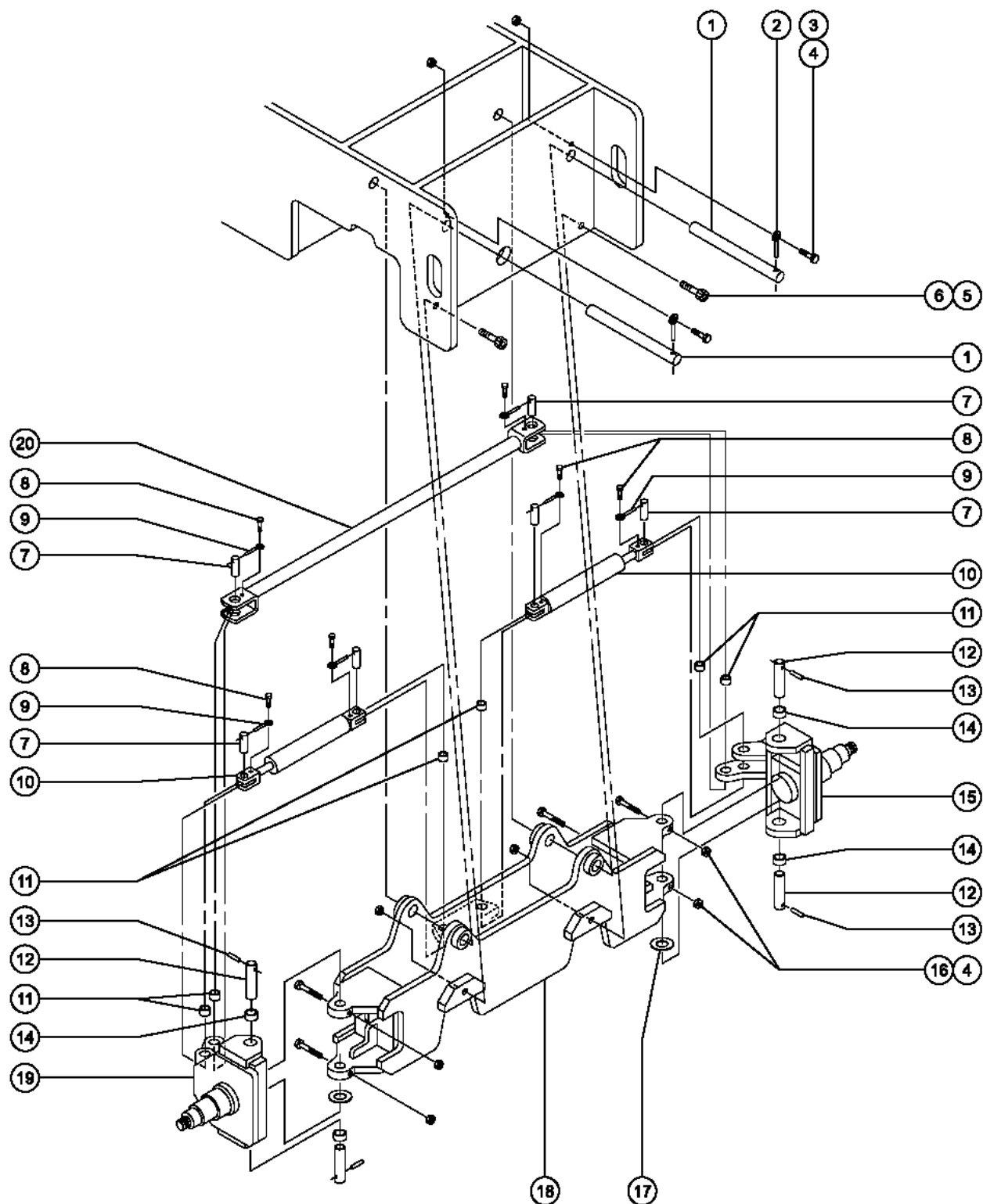
201.1 2WD Steer Axle Linkage - Oscillating Models



201.1 2WD Steer Axle Linkage - Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	63156	TIE ROD WELDMENT,S60***.....	1	26	6021	WASHER,LOCK,.375.....	2
2	45072	BEARING,GARLOCK,24DU24.....	8	27	47955	PIN,1.50DIAX10.45LG,1HOLE.....	2
3	63215	CYLINDER, OSCILLATE, S60.....	2	28	25284	ROD END,.375 X 2.25***.....	6
--	33428	VALVE,COUNTERBALANCE.....	2				
--	63355	SEAL KIT CYL.S60(63215).....	2				
4	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2				
5	6086	NUT,LP NYLOCK,1/2-13.....	6				
6	30418	ROD END,.50 X 4.....	3				
7	30731	PIN,PRIM.BOOM,16.0 X 1.5 INCH.....	2				
8	8177	SCREW,HHC,1/2-13 X 1.5.....	1				
9	6033	WASHER,LOCK,0.5".....	1				
10	34642	PIN,2.50DIAX23.38LG,1HOLE.....	1				
11	30734	PIN,1.00DIAX2.88LG,1HOLE.....	6				
12A	53463	KIT,STEER CYLINDER,RETRO S60**.....	2				
		to SN 3908; includes 88346					
12B	88346	CYLINDER,S60/65 STEER***.....	2				
		from SN 3909					
--	88347	SEAL KIT,STEER CYL,S60/65***.....	2				
13	53452	BEARING,1.00IDX1.50ODX1.00L....	6				
14	14815	PIN,ROLL,SST,.25 X 2.25.....	4				
15	53081	PIN,1.50DIAX4.76LG,2HOLE.....	4				
16	45071	BEARING,1.5IDX1.75ODX1.5L.....	4				
17	35002	YOKE ASSEMBLY,L.S.,2WD, S-60.....	1				
		includes 2 each index numbers 13 and 16					
18	8220	SCREW,HHC,1/2-13 X 4.....	4				
19	45074	WASHER,THRUST,1.5 X 3.5 X .187.....	2				
20	29746	WASHER,FLAT,2.5 X 4 X .062					
21	27698	BEARING,2.50IDX2.75ODX2.00L....	2				
22	33908	STEER AXLE ASSEMBLY, OSC, S-60.....	1				
		includes 2 each index numbers 13 and 21					
23	35001	YOKE ASSEMBLY,R.S.,2WD, S-60.....	1				
		includes 2 each index numbers 13 and 16					
24	45226	ROD END,.375 X 3.69.....	2				
25	6175	SCREW,HHC,3/8-16 X 1.....	8				

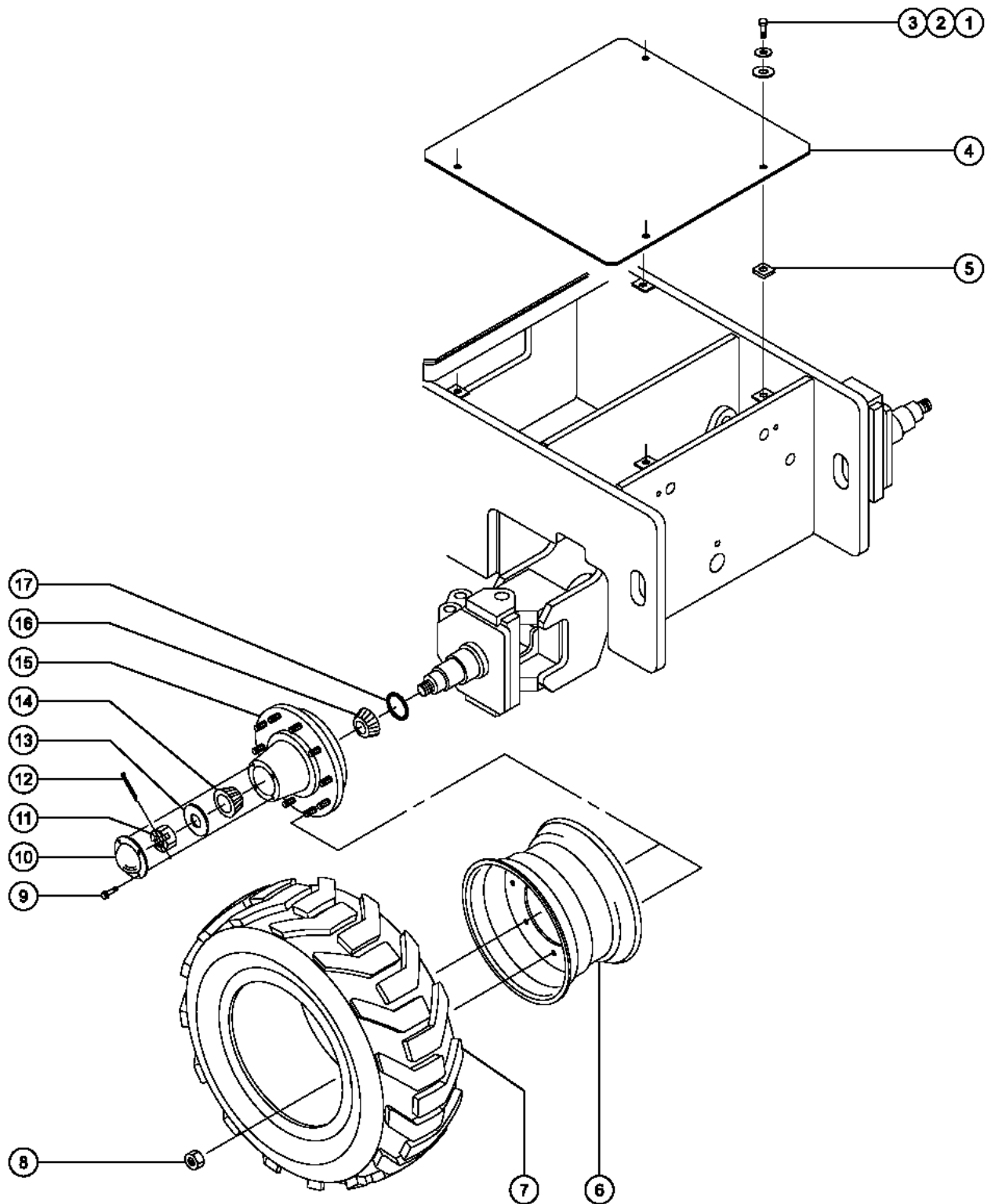
202.1 2WD Steer Axle Linkage - Non-oscillating Models



202.1 2WD Steer Axle Linkage - Non-oscillating Models

Item	Part No.	Description	Qty.
1	30731	PIN,PRIM.BOOM,16.0 X 1.5 INCH.....	2
2	30418	ROD END,.50 X 4.....	2
3	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2
4	6086	NUT,LP NYLOCK,1/2-13.....	6
5	45066	SCREW,SHC,5/8-11 X 2.25.....	2
6	6024	NUT,NYLOCK,5/8-11.....	2
7	30734	PIN,1.00DIA X 2.88LG,1HOLE.....	6
8	6175	SCREW,HHC,3/8-16 X 1.....	6
9	25284	ROD END,.375 X 2.25***.....	6
10A	53463	KIT,STEER CYLINDER,RETRO S60**..... <i>to SN 3908; includes 88346</i>	2
10B	88346	CYLINDER,S60/65 STEER***..... <i>from SN 3909</i>	2
--	88347	SEAL KIT,STEER CYL,S60/65***.....	2
11	53452	BEARING,1.00IDX1.50ODX1.00L.....	6
12	53081	PIN,1.50DIA X 4.76LG,2HOLE.....	4
13	14815	PIN,ROLL,SST,.25 X 2.25.....	4
14	45071	BEARING,1.5IDX1.75ODX1.5L.....	4
15	35002	YOKE ASSEMBLY,L.S.,2WD, S-60..... <i>includes 2 each Index No's. 11 and 14</i>	1
16	8220	SCREW,HHC,1/2-13 X 4.....	4
17	45074	WASHER,THRUST,1.5 X 3.5 X .187.....	2
18	33943	STEER AXLE ASSY, NON OSC,S-60..... <i>includes 2 each Index No. 11</i>	1
19	35001	YOKE ASSEMBLY,R.S.,2WD, S-60..... <i>includes 2 each Index No's. 11 and 14</i>	1
20	63156	TIE ROD WELDMENT,S60***.....	1

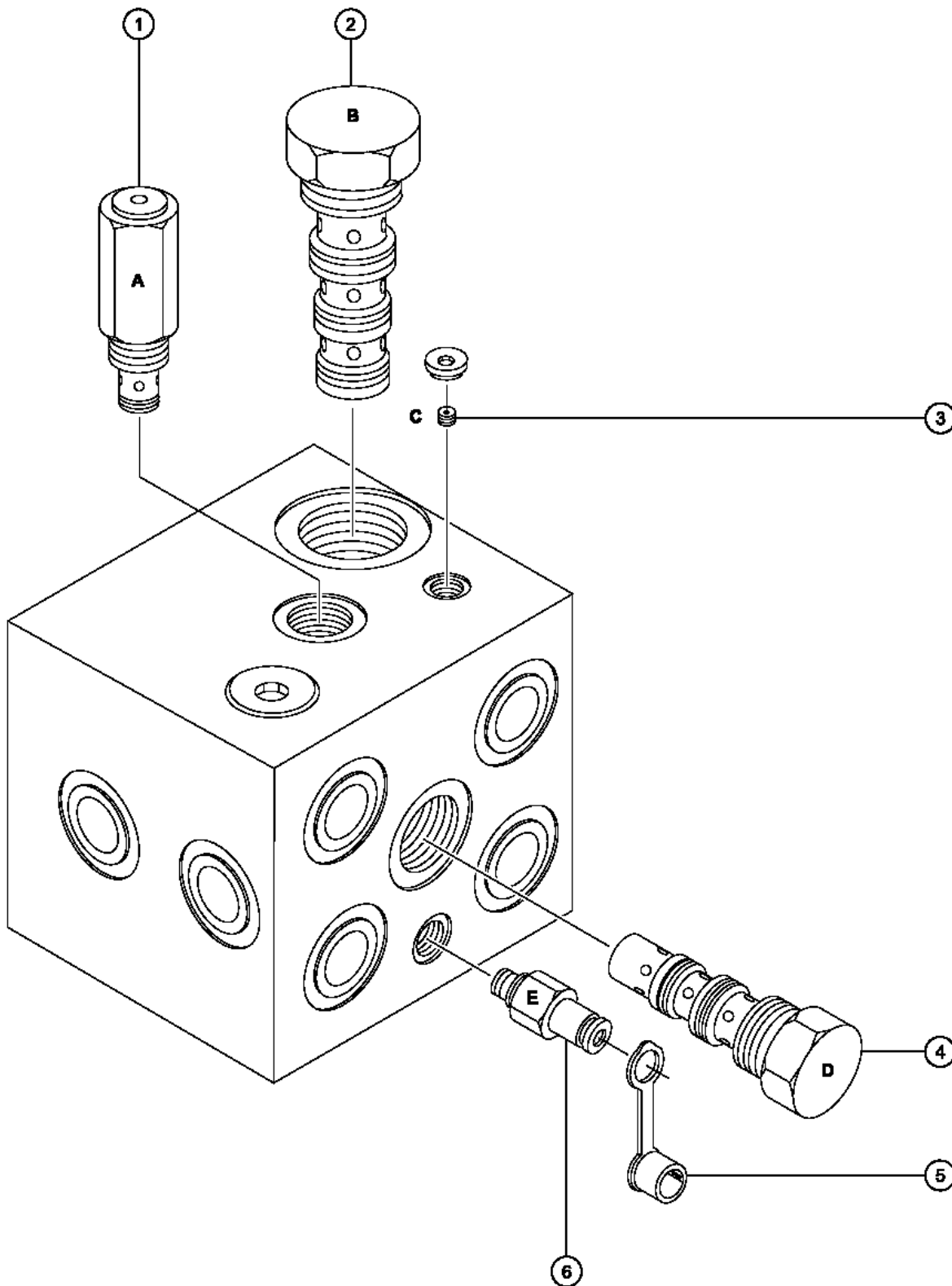
203.1 2WD Steer Axle - Wheels and Hubs



203.1 2WD Steer Axle - Wheels and Hubs

Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....4	4
2	6356	WASHER,LOCK,.25.....4	4
3	6638	WASHER,FLAT,USS,1/4"Y.....4	4
4	33448	COVER W/DECALS,DR.CHAS.STR.END.....1	1
5	56912	SPRING CLIP,1/4-20,.025-.15X.5.....4	4
6	73184	WHEEL, 19.5 X 12.2 ,10 HOLE***...2	2
--	73180	TIRE & WHEEL RH, AIR S60***	
--	73181	TIRE & WHEEL LH, AIR S60	
--	73182	TIRE & WHEEL ASSY.RIGHT,FF S60	
--	73183	TIRE & WHEEL ASSY.LEFT,FF S60	
--	73206	TIRE&WHEEL ASSY R,AF,NON-MARKI	
--	73207	TIRE&WHEEL ASSY L,AF,NON-MARKI	
7	73185	TIRE,38/65D-19.5,16PLY,OTR*.....2	2
--	73210	TIRE,385 19.5,16PLY,NON-MARKI	
8	34127	NUT,LUG,3/4-16 X 7/8 RADIUS.....20	20
9	18506	5/16-18 X .75 LG.FLG.LCK.SCREW.....8	8
10	73082	CAP,DUST.....2	2
11	34627	NUT,SPINDLE,2.00-12.....2	2
12	34628	PIN,COTTER,.375 X 3.5.....2	2
13	34626	WASHER,FLAT,2.0 X 4.5 X .25.....2	2
14	73080	BEARING,OUTER CONE.....2	2
15	73075	HUB ASSY W/RACES.....2	2
--	73076	HUB RACE,INNER	
--	73077	HUB RACE, OUTER	
--	73078	STUD,WHEEL,3/4-16	
16	73079	BEARING, INNER CONE.....2	2
17	94794	SEAL,GREASE.....2	2

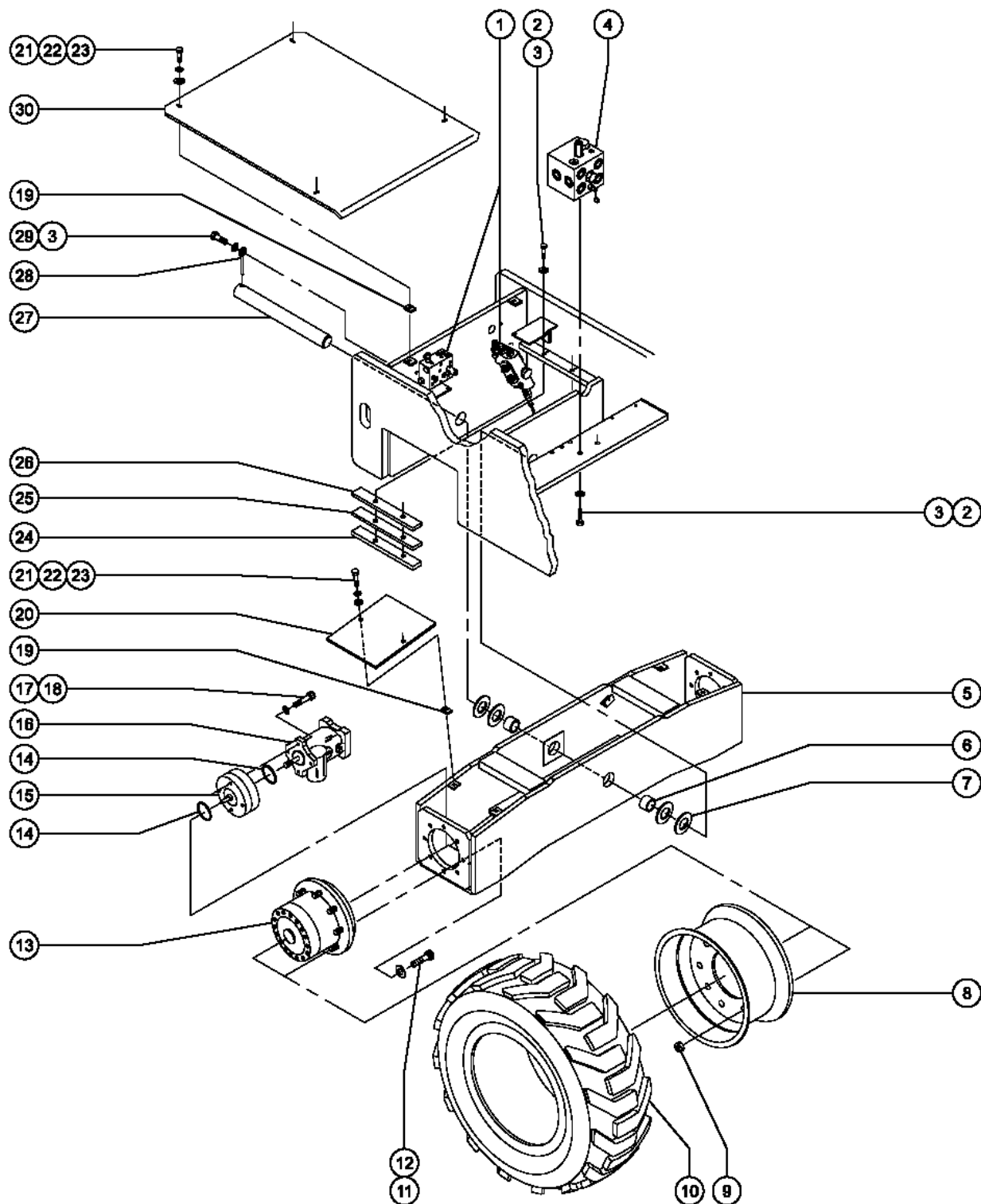
204.1 2WD Drive Manifold



204.1 2WD Drive Manifold

Item	Part No.	Description	Qty.
--	25375	SEAL KIT (ALL MANIFOLDS)	
--	34448	TRACTION MANIFOLD,2WD*** <i>includes Index No's. 1 through 4</i>	
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	43597	VALVE,RELIEF,210 PSI.....1 <i>A, Charge Pressure Circuit</i>	
--	110194	SEAL KIT, VALVE, #10	
2	52726	VALVE,FLOW DIVIDER/COMBINER.....1 <i>B, Rear Wheel Drive Circuit</i>	
--	84135	SEAL KIT, VALVE	
3	33520	PLUG,ORIFICE,0.070.....1 <i>C, Drive Circuit</i>	
4	27761	VALVE,SHUTTLE.....1 <i>D, Hot Oil Shuttle</i>	
--	84131	BI-DIRECTIONAL FLOW VALVE,GS84	
5	48997	NIPPLE,DIAGNOSTIC,#4 PORT***1	
6	48880	CAP,DIAGNOSTIC NIPPLE.....1 <i>E, Testing</i>	
--	20224	DIAGNOSTIC FEMALE Q-DSCNT1	

205.1 2WD Non-steer Axle



205.1 2WD Non-steer Axle

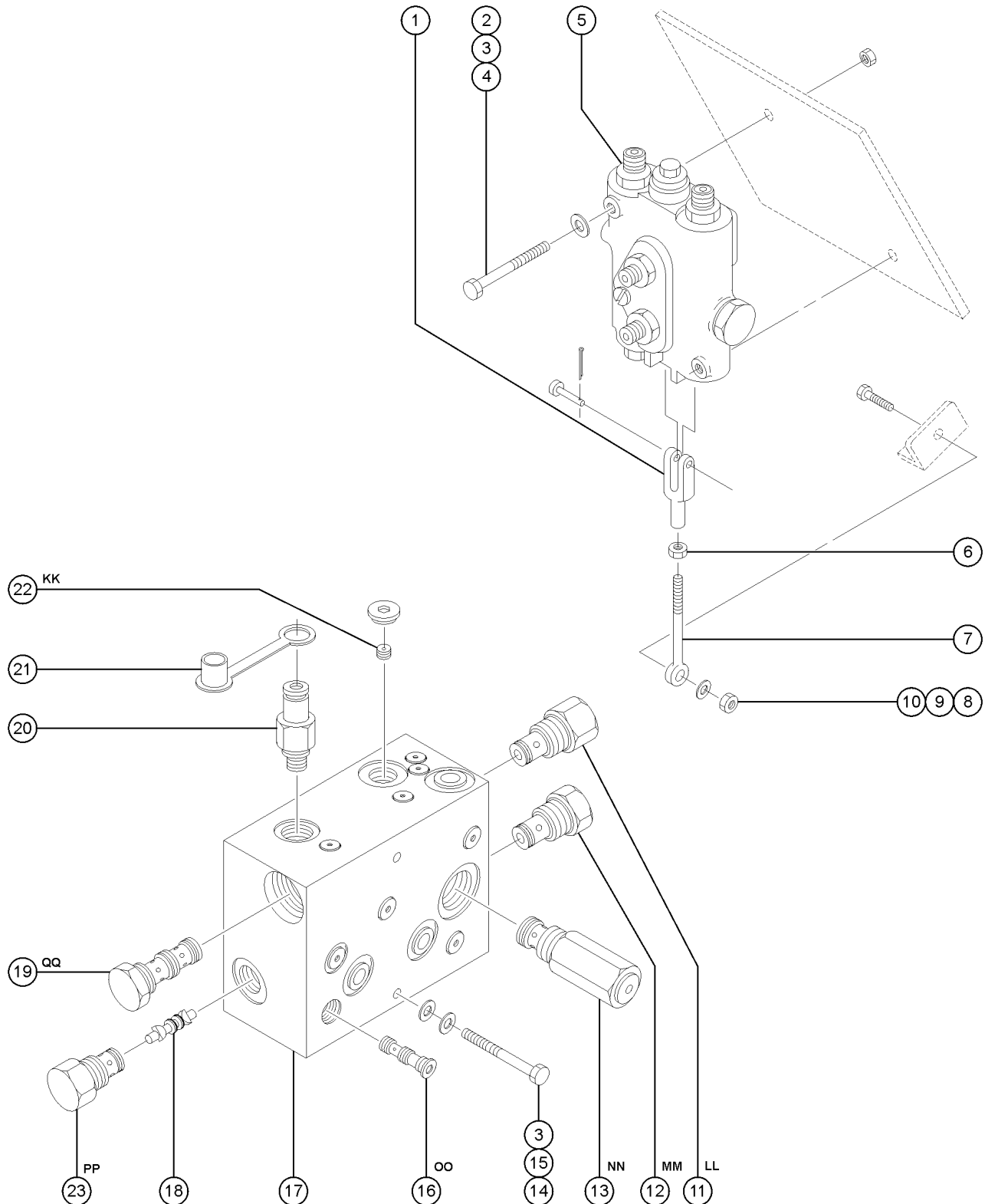
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Oscillation Manifold and Control Valve <i>refer to section 206.1</i>		--	58238	BEARING KIT,WHEEL DRIVE,S60***	
2	8177	SCREW,HHC,1/2-13 X 1.5.....7		--	58283	BOLT,COVER,WHEEL DRIVE,W3***	
3	6033	WASHER,LOCK,0.5".....8		--	58999	WASHER,THRUST,(33434)**	
4	34448	TRACTION MANIFOLD,2WD***.....8		--	65802	WASHER,THRUST W3 HUB (53483)	
5	33945	NON-STEER AXLE ASSEMBLY S60%.....1 <i>includes 2 each of Index No. 6</i>		--	65846	BEARING,THRUST WASHER***	
6	34639	BEARING,2.5"ID X 2.75 X 2.25"L....2 <i>to SN 7820</i>		--	65855	SNAP RING, W3/W6 TORQUE HUB*	
--	27698	BEARING,2.50IDX2.75ODX2.00L....2 <i>from SN 7821</i>		--	72288	COUPLER, METAL(53483)	
7	29746	WASHER,FLAT,2.5 X 4 X .062		--	83084	SEAL,LIP (33434)***	
8	73184	WHEEL, 19.5 X 12.2 ,10 HOLE***...2		13B	53483	WHEEL DRIVE,HW3 87:1***.....1 <i>replaced 33434 from serial number 7811</i>	
--	73180	TIRE & WHEEL RH, AIR S60***.....2		--	147558	KIT,BEARING,TAPERED,OUTER*** <i>for 53483, contains one cup and one cone</i>	
--	73181	TIRE & WHEEL LH, AIR S60.....2		--	147559	KIT,BEARING,TAPERED,INNER*** <i>for 53483, contains one cup and one cone</i>	
--	73182	TIRE & WHEEL ASSY.RIGHT,FF S60.....2		--	33440	SEAL KIT,TORQUE HUB (34115)***.....1 <i>for 53483</i>	
--	73183	TIRE & WHEEL ASSY.LEFT,FF S60.....2		--	58238	BEARING KIT,WHEEL DRIVE,S60***.....1 <i>for 53483, this kit contains inner and outer bearings and races. It does not contain needle bearings, thrust bearings or washers. See PN 33434 for those misc. parts.</i>	
--	73184	WHEEL, 19.5 X 12.2 ,10 HOLE***...2		--	58284	COVER PLATE,WHEEL DRIVE,HW3***.....1 <i>for 53483</i>	
--	73206	TIRE&WHEEL ASSY R,AF,NON-MARKI.....2		14	22811	O-RING,MOTOR TO BRAKE***.....4	
--	73207	TIRE&WHEEL ASSY L,AF,NON-MARKI.....2		15	73919	BRAKE,1200 INLB***.....2 <i>includes 2 each Index No. 14</i>	
9	34127	NUT,LUG,3/4-16 X 7/8 RADIUS.....20		--	29291	SEAL KIT,MICO.....2	
10	73185	TIRE,38/65D-19.5,16PLY,OTR*.....2		--	29293	BEARING KIT,MICO.....2	
--	73210	TIRE,385 19.5,16PLY,NON-MARKI.....2		--	41918	LINING KIT,MICO BRAKE.....2	
11	45066	SCREW,SHC,5/8-11 X 2.25.....16		16	24668	DRIVE MOTOR REAR,2WD/7 DEGREE*.....2 <i>includes 1 each Index No. 14</i>	
12	13064	WASHER,FLAT,.625 HARDENED.....16		--	33444	SEAL KIT,DRIVE MOTOR,(24668).....2	
13A	33434	WHEEL DRIVE,W3 73:1***.....2		17	7261	SCREW,HHC,1/2-13 X 5 BLACK.....4	
--	147558	KIT,BEARING,TAPERED,OUTER***		18	13066	WASHER,FLAT,.5 HARDENED.....4	
--	147559	KIT,BEARING,TAPERED,INNER***		19	56912	SPRING CLIP,1/4-20,.025-.15X.5.....8	
--	33440	SEAL KIT,TORQUE HUB (34115)***		20	34409P-S	COVER,REAR AXLE BLUE.....2	
--	33441	STUD,WHEEL,3/4-16, (34115)					
--	33989	COVER, TORQUE HUB					
--	33990	O-RING, TORQUE HUB COVER					
--	33991	ACTUATOR,FOR/DISCONNECT ROD					
--	33992	DISCONNECT ROD, TORQUE HUB					

205.1 2WD Non-steer Axle (continued)

Item	Part No.	Description	Qty.
21	6090	SCREW,HHC,1/4-20 X .75.....	8
22	6356	WASHER,LOCK,.25.....	8
23	6638	WASHER,FLAT,USS,1/4"Y.....	8
24	34217P-S	BAR,AXLE ROTATION STOP,PAINTED.....	2
		<i>non-oscillating models</i>	
--	34218P-S	BAR,AXLE ROTATION STOP,OSC.....	2
		<i>oscillating models</i>	
25	34215	SHIM,AXLE ROTATION STOP,12GA	
26	34216	SHIM,AXLE ROTATION STOP,22GA	
27	34273	PIN,2.50DIAX21.12LG,1HOLE.....	1
28	30418	ROD END,.50 X 4.....	1
29	6096	SCREW,HHC,1/2-13 X 2 GR5.....	1
30A	58021	DRIV CHAS COVER ASSY N/S END.....	1
		<i>sloped cover</i>	
30B	33944	COVR W/DECLS,DR CHAS,NS END.....	1

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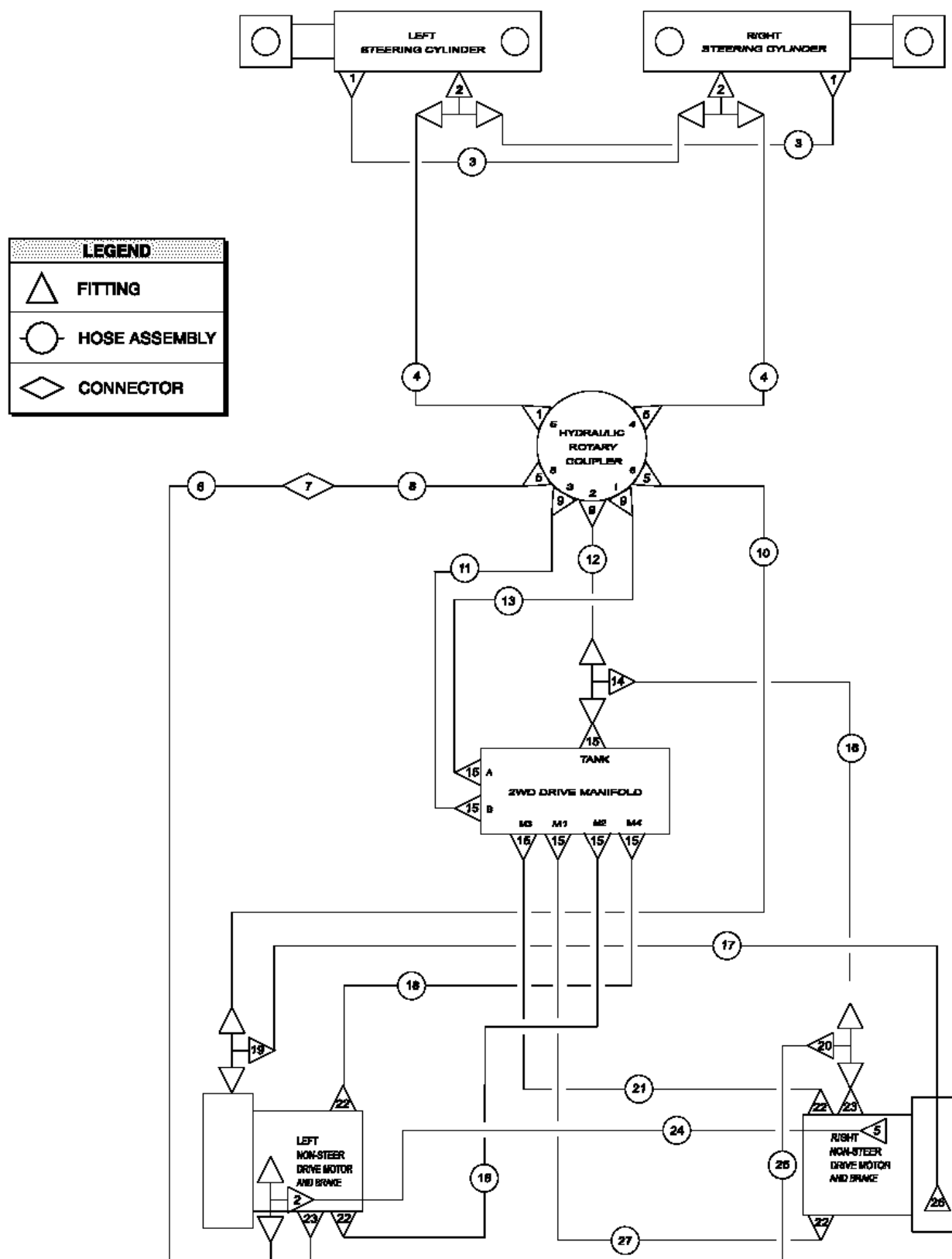
206.1 2WD Oscillation Manifold and Control Valve



206.1 2WD Oscillation Manifold and Control Valve

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)		22	29737	PLUG,ORIFICE,0.052 INCH.....1 <i>KK, Differential sensing circuit</i>	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*		23	32725	VALVE,CHECK (30797).....1 <i>PP, Oscillate check - right</i>	
1	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....1 <i>includes clevis pin and cotter pin</i>					
2	6884	SCREW,HHC,1/4-20 X 2.5.....2					
3	6638	WASHER,FLAT,USS,1/4"Y.....4					
4	6091	NUT,NYLOCK,1/4-20.....2					
5	30558	VLV,MAN,3 POS/4 WAY,OPEN CTR.....1					
--	32681	SEAL KIT,CONTROL VALVE.....1					
6	21496	NUT,HEX,1/4-28.....1					
7	34858	ROD END,1/4-28 OSC.LINKAGE....1					
8	5365	NUT,NYLOCK,10-24.....1					
9	6146	WASHER,FLAT,MS,#10,Y.....1					
10	6584	SCREW,SHS,10-24 X .625.....1					
11	27532	VALVE,DIFFERENTIAL SENSING.....1 <i>LL, Differential sensing circuit</i>					
--	110197	SEAL KIT, VALVE, #10					
12	32725	VALVE,CHECK (30797).....1 <i>MM, Oscillate check - left</i>					
--	110194	SEAL KIT, VALVE, #10					
13	37050	VALVE,UNLOADER,P.O.....1 <i>NN, Sequencing</i>					
14	12343	SCREW,HHC,1/4-20 X 3.....2					
15	6356	WASHER,LOCK,.25.....2					
16	45483	VALVE,SHUTTLE***.....1 <i>OO, Pilot</i>					
17	30797	MANIFOLD,OSCILLATION.....1 <i>includes Index No's. 11 through 13 and 16, 18, 19, and 22</i>					
--	25375	SEAL KIT (ALL MANIFOLDS).....1					
18	32724	PISTON (30797).....1					
19	32723	VALVE,SHUTTLE (30797).....1 <i>QQ, Unloading</i>					
--	110197	SEAL KIT, VALVE, #10					
20	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....1					
--	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1					
21	48880	CAP,DIAGNOSTIC NIPPLE.....1					

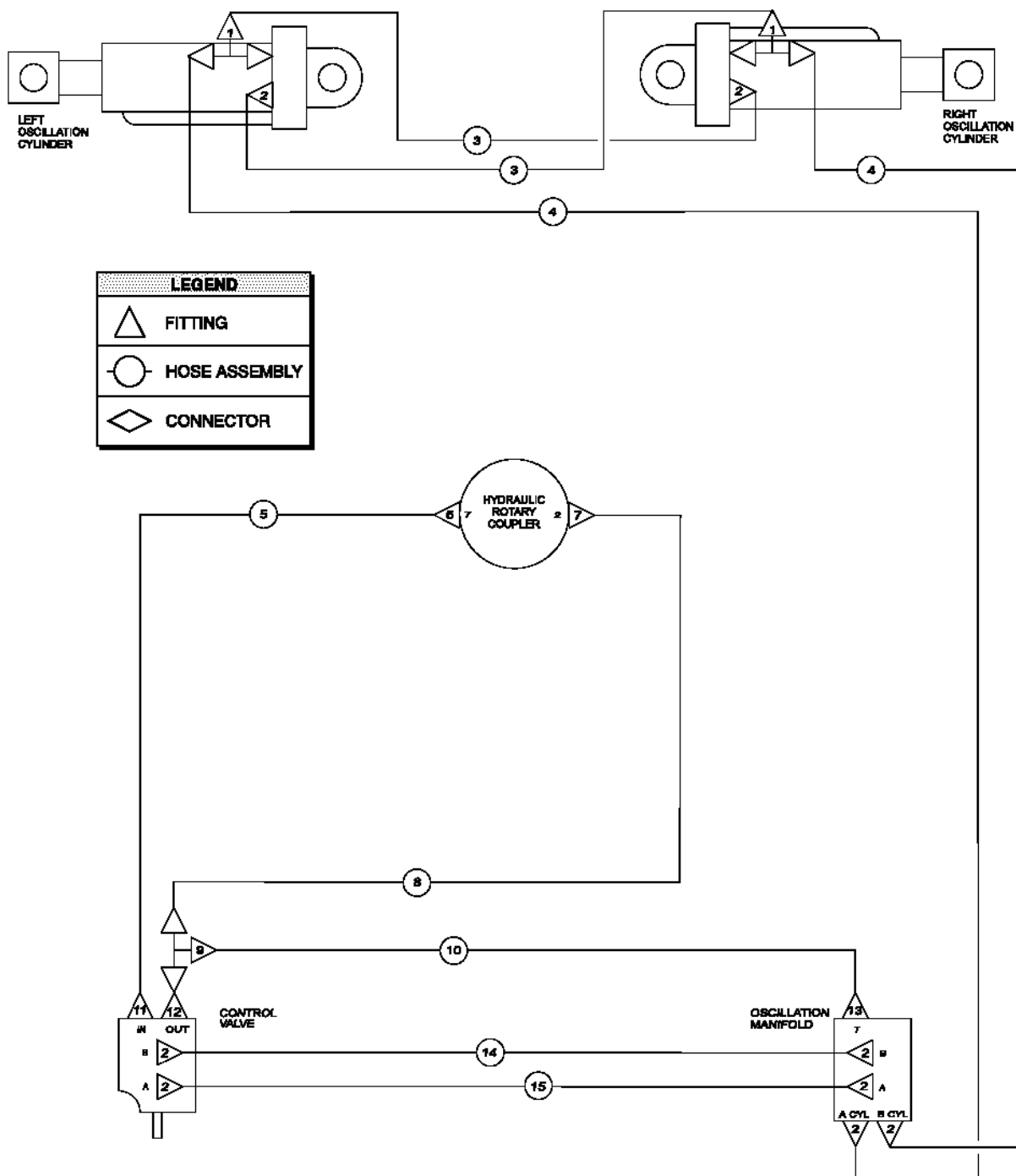
207.1 2WD Hydraulic Hoses and Fittings - Drive and Steer Systems



207.1 2WD Hydraulic Hoses and Fittings - Drive and Steer Systems

Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48916	FITTING,CONN,520120-6.....	3
2	48918	TEE,RUN,520428-6.....	3
3	49105-2750	HOSE ASSEMBLY-3/8" 100R2.....	2
4	49104-6400	HOSE ASSEMBLY-3/8" 100R2.....	2
5	48915	ELBOW,90D,520220-6.....	4
6	49130-5700	HOSE ASSEMBLY-3/8".....	1
7	48881	UNION,520101-6,ORFS.....	1
8	49132-2800	HOSE ASSEMBLY-3/8".....	1
9	48963	FITTING,ELBOW,45D,520320-12***	3
10	49120-8500	HOSE ASSEMBLY-1/4".....	1
11	49156-3500	HOSE ASSY,3/4,90 FEM,STR FEM.....	1
12	49151-2400	HOSE ASSY,3/4,STR FEM,STR FEM.....	1
13	49154-3700	HOSE ASSEMBLY-3/4" 100R12.....	1
14	48964	FITTING,TEE,RUN,SWIVEL52043212	1
15	48960	FITTING,CONN,520120-12.....	6
16	49140-5600	HOSE ASSEMBLY-1/2".....	1
17	49119-6400	HOSE ASSY,1/4,STR FEM,STR FEM.....	1
18	49157-4900	HOSE ASSEMBLY-3/4" 100R12.....	2
19	48906	TEE,RUN,520428-4.....	1
20	48938	FITTING,TEE,RUN,SWIVEL520432-8	1
21	49157-4050	HOSE ASSEMBLY-3/4" 100R12.....	1
22	48976	ELBOW,90D,520220-12-16.....	4
23	48947	ELBOW,90D,520220-8-12.....	2
24	49143-5200	HOSE ASSY,1/2,90 FEM,STR FEM.....	1
25	49130-5400	HOSE ASSY,3/8,STR FEM,STR FEM.....	1
26	48904	ELBOW,90D,520220-4-4.....	1
27	49157-4100	HOSE ASSEMBLY-3/4" 100R12.....	1

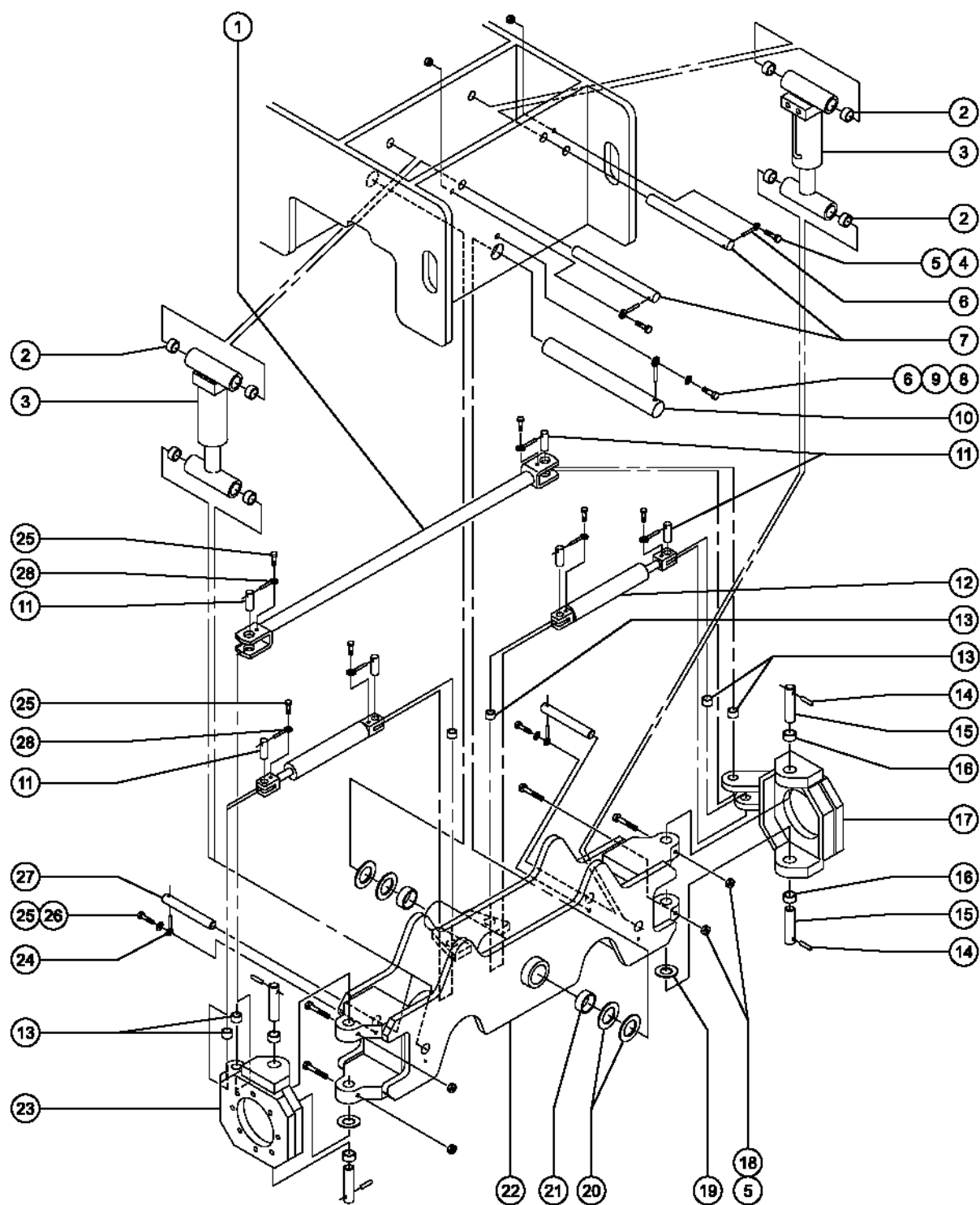
208.1 2WD Hydraulic Hoses and Fittings - Oscillation System



208.1 2WD Hydraulic Hoses and Fittings - Oscillation System

Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48918	TEE,RUN,520428-6.....	2
2	48916	FITTING,CONN,520120-6.....	8
3	49104-1400	HOSE ASSEMBLY-3/8" 100R2.....	2
4	49104-14300	HOSE ASSEMBLY-3/8" 100R2.....	2
5	49104-6909	HOSE ASSEMBLY,3/8".....	1
6	48915	ELBOW,90D,520220-6.....	1
7	48934	CONN, LONG,520122-8.....	1
8	49143-7350	HOSE ASSY,1/2,90 FEM,STR FEM.....	1
9	48938	FITTING,TEE,RUN,SWIVEL520432-8.1	
10	49141-1475	HOSE ASSY,1/2,45 FEM,STR FEM.....	1
11	48930	FITTING,CONN,520120-6-8***.....	1
12	48933	CONN,520120-8***.....	1
13	48932	FITTING,ELBOW,90D,520220-8***..	1
14	49102-1903	HOSE ASSEMBLY,3/8".....	1
15	49104-1859	HOSE ASSEMBLY,3/8".....	1

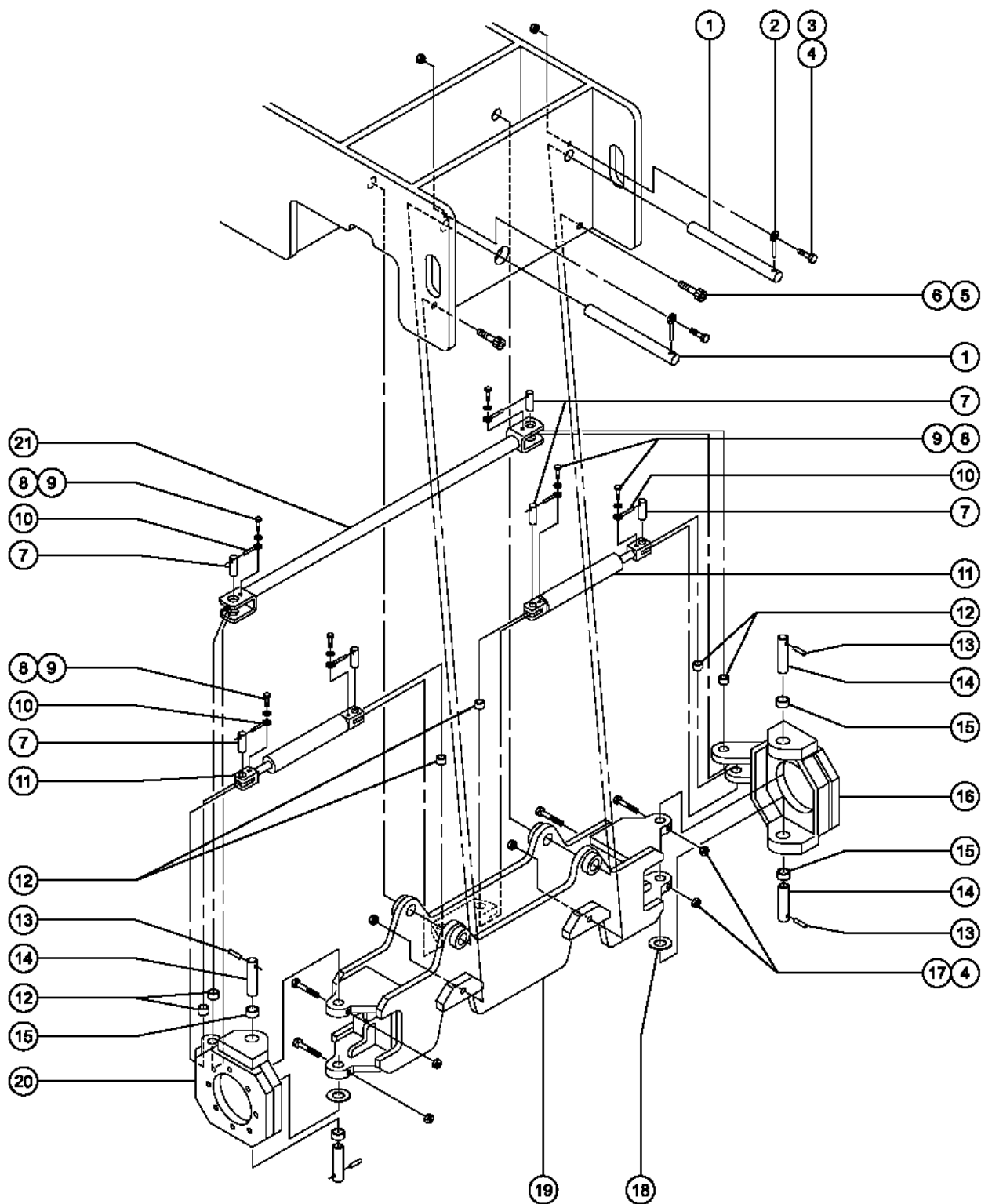
301.1 Steer Axle Linkage - Oscillating Models



301.1 Steer Axle Linkage - Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	63156	TIE ROD WELDMENT,S60***.....	1	22	33908	STEER AXLE ASSEMBLY, OSC, S-60.....	1
2	45072	BEARING,GARLOCK,24DU24.....	8			<i>includes 2 each Index No's. 13 and 21</i>	
3	63215	CYLINDER, OSCILLATE, S60.....	2	23	33941	YOKE ASSEMBLY, RIGHT SIDE 4WD.....	1
--	33428	VALVE,COUNTERBALANCE.....	2			<i>includes 2 each Index No's. 13 and 16</i>	
--	63355	SEAL KIT CYL.S60(63215).....	2	24	45226	ROD END,.375 X 3.69.....	2
4	6096	SCREW,HHC,1/2-13 X 2 GR5.....	3	25	6175	SCREW,HHC,3/8-16 X 1.....	8
5	6086	NUT,LP NYLOCK,1/2-13.....	6	26	6021	WASHER,LOCK,.375.....	2
6	30418	ROD END,.50 X 4.....	3	27	47955	PIN,1.50DIAX10.45LG,1HOLE.....	2
7	30731	PIN,PRIM.BOOM,16.0 X 1.5 INCH.....	2	28	25284	ROD END,.375 X 2.25***.....	6
8	8177	SCREW,HHC,1/2-13 X 1.5.....	1				
9	6033	WASHER,LOCK,0.5".....	1				
10	34642	PIN,2.50DIAX23.38LG,1HOLE.....	1				
11	30734	PIN,1.00DIAX2.88LG,1HOLE.....	6				
12A	53463	KIT,STEER CYLINDER,RETRO S60**.....	2				
		<i>to SN 3908; includes 88346</i>					
12B	88346	CYLINDER,S60/65 STEER***.....	2				
		<i>from SN 3909</i>					
--	59050	SEAL KIT,2.5" BORE,1.5" ROD***...2					
		<i>for cylinder 59000; check stamp on</i>					
		<i>part prior to ordering</i>					
--	59437	SEAL KIT,2.5" BORE 1.5" ROD***...2					
		<i>for cylinder 59227; check stamp on</i>					
		<i>part prior to ordering</i>					
--	88347	SEAL KIT,STEER CYL,S60/65***.....2					
		<i>for cylinder 88346; check stamp on</i>					
		<i>part prior to ordering</i>					
13	53452	BEARING,1.00IDX1.50ODX1.00L....	6				
14	14815	PIN,ROLL,SST,.25 X 2.25.....	4				
15A	30736	PIN,1.50 DIA X 4.76 LG.....	4				
		<i>top pin with mounting hole in top</i>					
15B	53081	PIN,1.50DIAX4.76LG,2HOLE.....	4				
		<i>lower pin</i>					
16	45071	BEARING,1.5IDX1.75ODX1.5L.....	4				
17	33942	YOKE ASSEMBLY, LEFT SIDE 4WD.....	1				
		<i>includes 2 each Index No's. 13 and 16</i>					
18	8220	SCREW,HHC,1/2-13 X 4.....	4				
19	45074	WASHER,THRUST,1.5 X 3.5 X .187.....	2				
20	29746	WASHER,FLAT,2.5 X 4 X .062					
21	27698	BEARING,2.50IDX2.75ODX2.00L....	2				

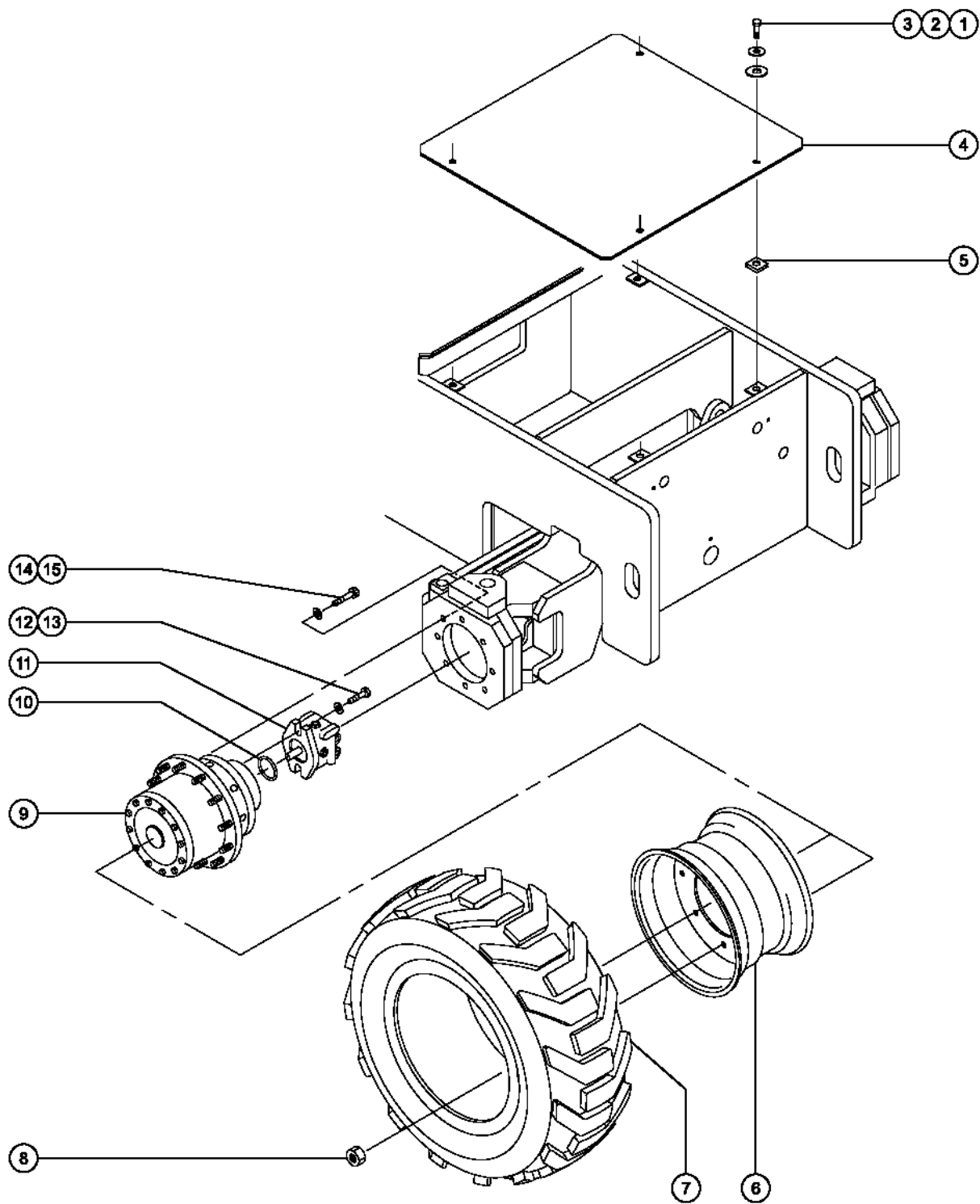
302.1 Steer Axle Linkage - Non-oscillating Models



302.1 Steer Axle Linkage - Non-oscillating Models

Item	Part No.	Description	Qty.
1	30731	PIN,PRIM.BOOM,16.0 X 1.5 INCH.....	2
2	30418	ROD END,.50 X 4.....	2
3	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2
4	6086	NUT,LP NYLOCK,1/2-13.....	6
5	45066	SCREW,SHC,5/8-11 X 2.25.....	2
6	6024	NUT,NYLOCK,5/8-11.....	2
7	30734	PIN,1.00DIA X 2.88LG,1HOLE.....	6
8	6175	SCREW,HHC,3/8-16 X 1.....	6
9	6021	WASHER,LOCK,.375.....	6
10	25284	ROD END,.375 X 2.25***.....	6
--	59050	SEAL KIT,2.5" BORE,1.5" ROD***... <i>for cylinder 59000; check stamp on part prior to ordering</i>	2
--	59437	SEAL KIT,2.5" BORE 1.5" ROD***... <i>for cylinder 59227; check stamp on part prior to ordering</i>	2
--	88347	SEAL KIT,STEER CYL,S60/65***..... <i>for cylinder 88346; check stamp on part prior to ordering</i>	2
11A	53463	KIT,STEER CYLINDER,RETRO S60**..... <i>to SN 3908; includes 88346</i>	2
11B	88346	CYLINDER,S60/65 STEER***..... <i>from SN 3909</i>	2
12	53452	BEARING,1.00IDX1.50ODX1.00L....	6
13	14815	PIN,ROLL,SST,.25 X 2.25.....	4
14A	30736	PIN,1.50 DIA X 4.76 LG..... <i>top pin</i>	1
14B	53081	PIN,1.50DIA X 4.76LG,2HOLE..... <i>lower pin</i>	4
15	45071	BEARING,1.5IDX1.75ODX1.5L.....	4
16	33942	YOKE ASSEMBLY, LEFT SIDE 4WD..... <i>includes 2 each Index No's. 12 and 15</i>	1
17	8220	SCREW,HHC,1/2-13 X 4.....	4
18	45074	WASHER,THRUST,1.5 X 3.5 X .187.....	2
19	33943	STEER AXLE ASSY, NON OSC,S-60..... <i>includes 2 each Index No. 12</i>	1
20	33941	YOKE ASSEMBLY, RIGHT SIDE 4WD..... <i>includes 2 each Index No's.12 and 15</i>	1
21	63156	TIE ROD WELDMENT,S60***.....	1

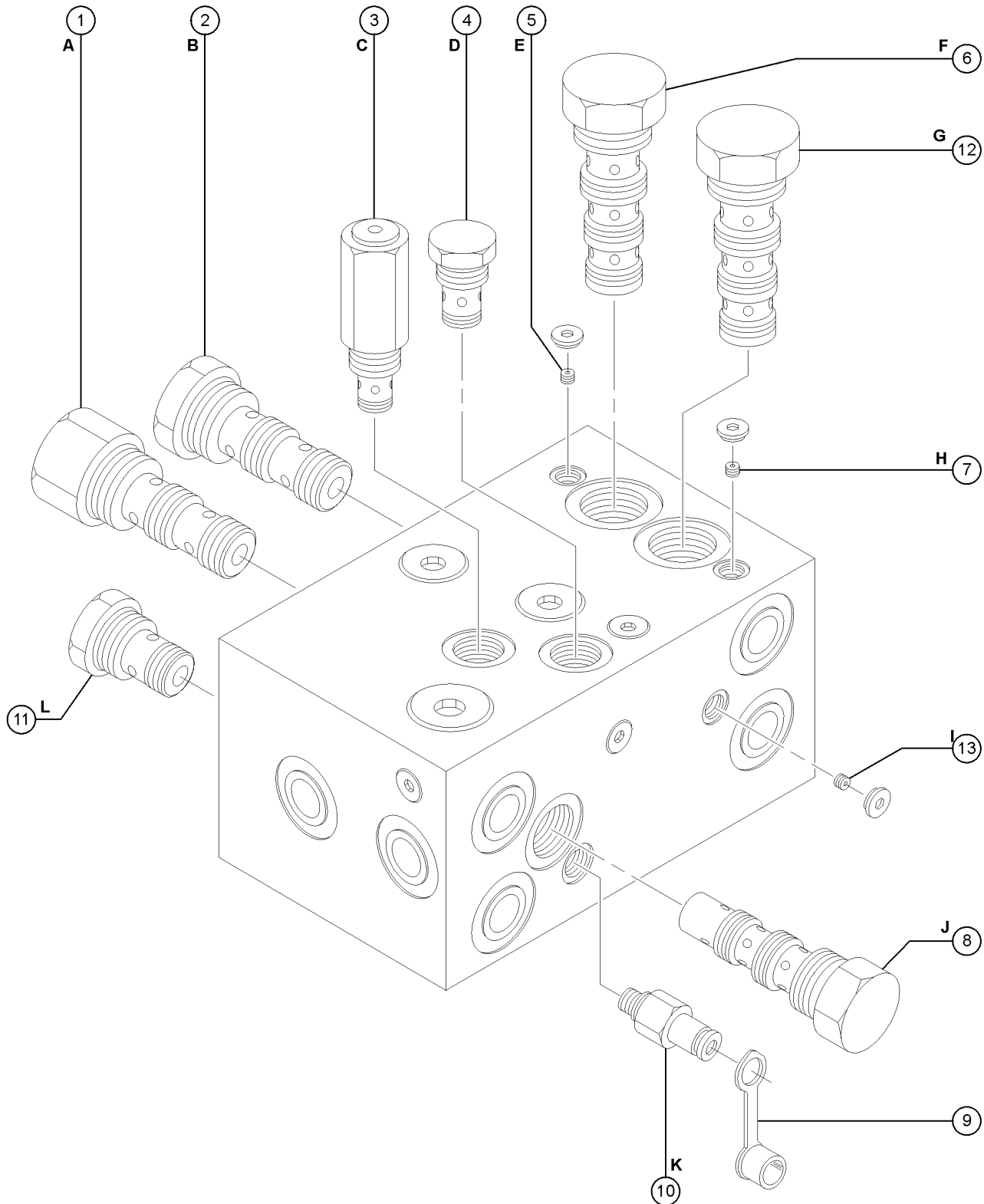
303.1 Steer Axle - Wheels and Hubs



303.1 Steer Axle - Wheels and Hubs

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....	4	10	33433	O-RING,MOTOR TORQUE HUB 34115.....	2
2	6356	WASHER,LOCK,.25.....	4	11	139962	MOTOR,WHEEL,25CC FIXED*** <i>includes Index No. 10; to SN 7809</i>	2
3	6638	WASHER,FLAT,USS,1/4"Y.....	4	--	32675	SEAL KIT,SUNSTRAND.....	2
4	33448	COVER W/DECALS,DR.CHAS.STR.END.....	1	--	73238	MOTOR,HYD DRIVE,2SPEED,4WD..... <i>from SN 7810</i>	2
5	56912	SPRING CLIP,1/4-20,.025-.15X.5.....	4	12	8177	SCREW,HHC,1/2-13 X 1.5.....	4
6	73184	WHEEL, 19.5 X 12.2 ,10 HOLE***...	2	13	13066	WASHER,FLAT,.5 HARDENED.....	4
--	73180	TIRE & WHEEL RH, AIR S60***		14	45066	SCREW,SHC,5/8-11 X 2.25.....	16
--	73181	TIRE & WHEEL LH, AIR S60		15	13064	WASHER,FLAT,.625 HARDENED.....	16
--	73182	TIRE & WHEEL ASSY.RIGHT,FF S60					
--	73183	TIRE & WHEEL ASSY.LEFT,FF S60					
--	73206	TIRE&WHEEL ASSY R,AF,NON-MARKI					
--	73207	TIRE&WHEEL ASSY L,AF,NON-MARKI					
7	73185	TIRE,38/65D-19.5,16PLY,OTR*.....	2				
--	73210	TIRE,385 19.5,16PLY,NON-MARKI.....	2				
8	34127	NUT,LUG,3/4-16 X 7/8 RADIUS.....	20				
--	147558	KIT,BEARING,TAPERED,OUTER*** <i>(for 33434 and 53483 wheel drive)</i>					
--	147559	KIT,BEARING,TAPERED,INNER*** <i>(for 33434 and 53483 wheel drive)</i>					
--	33440	SEAL KIT,TORQUE HUB (34115)***					
--	33441	STUD,WHEEL,3/4-16, (34115)					
--	33989	COVER, TORQUE HUB					
--	33990	O-RING, TORQUE HUB COVER					
--	33991	ACTUATOR,FOR/DISCONNECT ROD.....	2				
--	33992	DISCONNECT ROD, TORQUE HUB					
--	58238	BEARING KIT,WHEEL DRIVE,S60***					
--	58283	BOLT,COVER,WHEEL DRIVE,W3***					
--	65855	SNAP RING, W3/W6 TORQUE HUB* <i>(for 33434 and 53483 wheel drive)</i>					
--	72288	COUPLER, METAL(53483) <i>(for 33434 and 53483 wheel drive)</i>					
--	83084	SEAL,LIP (33434)***					
9A	33434	WHEEL DRIVE,W3 73:1***..... <i>to SN 7809</i>	2				
9B	53483	WHEEL DRIVE,HW3 87:1***..... <i>from SN 7810</i>	2				
--	58284	COVER PLATE,WHEEL DRIVE,HW3*** <i>(for 53483)</i>					

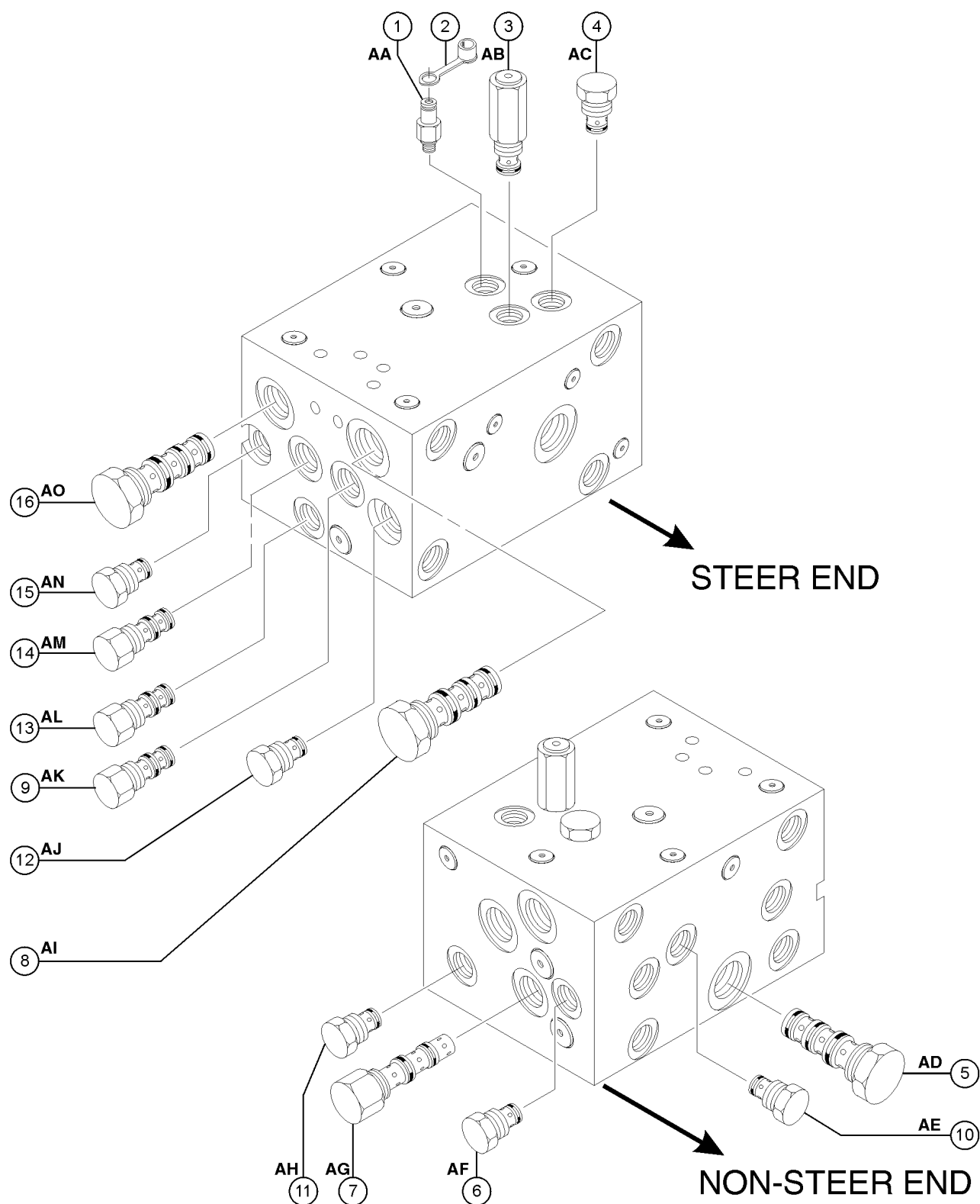
304.1 Drive Manifold (to SN 7809)



304.1 Drive Manifold (to SN 7809)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	25375	SEAL KIT (ALL MANIFOLDS)		--	110194	SEAL KIT, VALVE, #10	
--	25505	MANIFOLD,TRACTION,4WD (before ordering, check part number stamped on manifold)		12	52726	VALVE,FLOW DIVIDER/COMBINER.....1 G, Front wheel drive drive circuit	1
--	40033	MANIFOLD,TRCN W/BYPASS,4WD*** includes index numbers 1 through 8 and 11 (before ordering, check part number stamped on manifold)		--	84135	SEAL KIT, VALVE	
--	49612	O-RING KIT (ORFS FITTINGS)		13	33520	PLUG,ORIFICE,0.070.....1 I, Rear motor drive orifice	1
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*					
1	48658	VALVE,DIRECT. CONTROL,4WD S60.....1 A, Divider bypass control	1				
--	84135	SEAL KIT, VALVE					
2	33521	VALVE,FLOW DIVIDER/COMBINER.....1 B, Drive circuit	1				
--	84135	SEAL KIT, VALVE					
3	43597	VALVE,RELIEF,210 PSI.....1 C, Charge pressure circuit	1				
--	110194	SEAL KIT, VALVE, #10					
4	33562	VALVE,CHECK,PILOT OPERATED.....1 D, Divider bypass circuit	1				
--	89310	SEAL KIT, SOLENOID VALVE					
5	29737	PLUG,ORIFICE,0.052 INCH.....1 E, Drive motor orifice	1				
6	52726	VALVE,FLOW DIVIDER/COMBINER.....1 F, Front wheel drive circuit	1				
--	84135	SEAL KIT, VALVE					
7	33520	PLUG,ORIFICE,0.070.....1 H, Rear motor drive orifice	1				
8	27761	VALVE,SHUTTLE.....1 J, Hot oil shuttle	1				
--	84134	SEAL KIT, VALVE					
9	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....1	1				
10	48880	CAP,DIAGNOSTIC NIPPLE.....1 K, Testing	1				
--	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1	1				
11	23938	VALVE,CHECK 45027,20419.....1 L, Divider bypass circuit	1				

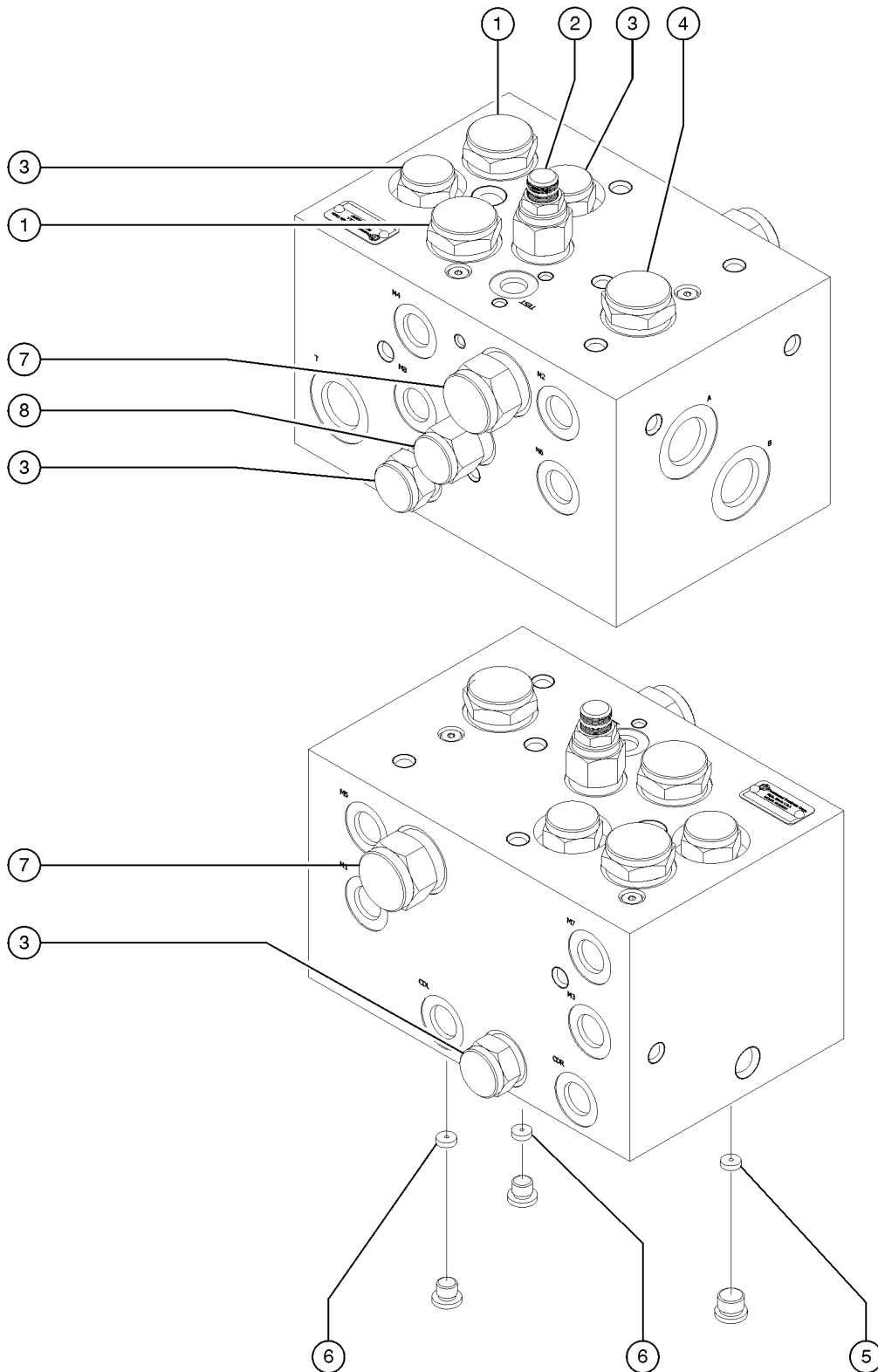
304.2 Drive Manifold (from SN 7810 to 21231)



304.2 Drive Manifold (from SN 7810 to 21231)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--		Ref. MANIFOLD, TRACTION, 4WD (refer to 304.3)		13	52723	VALVE-FLOW REGULATOR 2 GPM.....1 <i>AL, Drive Circuit</i>	1
--	25375	SEAL KIT (ALL MANIFOLDS)		--	89310	SEAL KIT, SOLENOID VALVE	
--	49612	O-RING KIT (ORFS FITTINGS)		14	52723	VALVE-FLOW REGULATOR 2 GPM.....1 <i>AM, Drive Circuit</i>	1
--	49613	PLUG AND CAP KIT-SERVICE, ORFS*		--	89310	SEAL KIT, SOLENOID VALVE	
1	48997	NIPPLE, DIAGNOSTIC, #4 PORT***.....1 <i>AA, Testing</i>	1	15	69873	VALVE, CHECK.....1 <i>AN, Drive Motor Anti-cavitation</i>	1
--	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1	1	--	74902	SEAL KIT, VALVE	
2	48880	CAP, DIAGNOSTIC NIPPLE.....1	1	16	62252	VALVE, FLOW DIVIDER COMBINER.....1 <i>AO, Rear Wheel Drive Circuit</i>	1
3	62253	VALVE, RELIEF, 250 PSI.....1 <i>AB, Charge pressure circuit</i>	1	--	84135	SEAL KIT, VALVE	
--	74902	SEAL KIT, VALVE					
4	69873	VALVE, CHECK.....1 <i>AC, Motor anti-cavitation</i>	1				
--	74902	SEAL KIT, VALVE					
5	52726	VALVE, FLOW DIVIDER/COMBINER.....1 <i>AD, drive circuit</i>	1				
--	84135	SEAL KIT, VALVE					
6	27836	VALVE, CHECK, 5 PSI.....1 <i>AF, drive motor anti-cavitation</i>	1				
--	110194	SEAL KIT, VALVE, #10					
7	27761	VALVE, SHUTTLE.....1 <i>AG, hot oil shuttle</i>	1				
--	84134	SEAL KIT, VALVE					
8	62252	VALVE, FLOW DIVIDER COMBINER.....1 <i>AI, front wheel drive circuit</i>	1				
--	84135	SEAL KIT, VALVE					
9	52723	VALVE-FLOW REGULATOR 2 GPM.....1 <i>AK, drive circuit</i>	1				
--	89310	SEAL KIT, SOLENOID VALVE					
10	69873	VALVE, CHECK.....1 <i>AE, Drive Motor Anti-cavitation</i>	1				
--	74902	SEAL KIT, VALVE					
11	27836	VALVE, CHECK, 5 PSI.....1 <i>AH, Drive Motor Anti-cavitation</i>	1				
--	110194	SEAL KIT, VALVE, #10					
12	69873	VALVE, CHECK.....1 <i>AJ, Drive Motor Anti-cavitation</i>	1				
--	74902	SEAL KIT, VALVE					

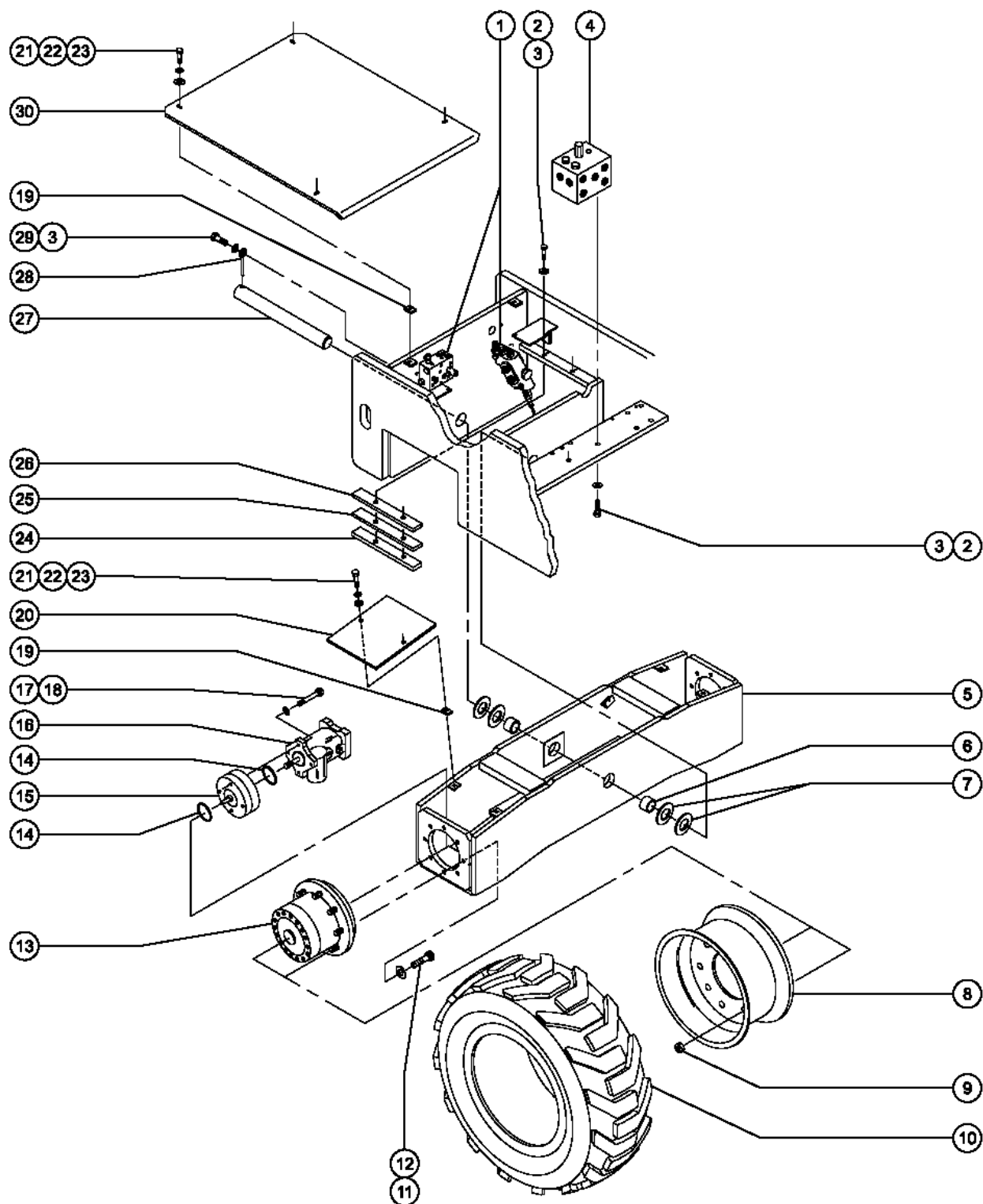
304.3 Drive Manifold (from SN 21232)



304.3 Drive Manifold (from SN 21232)

Item	Part No.	Description	Qty.
--	139712	MANIFOLD, TRACTION, 4WD*** (replaced 88784 at SN 21232)	
1	139717	VALVE, FLOW DIVIDE/COMB, 24GPM.....	2
--	139512	SEAL KIT, VALVE	
2	139718	VALVE, RELIEF, 280PSI.....	1
--	139528	SEAL KIT, VALVE	
3	139527	VALVE, CHECK, 5PSI.....	3
4	139508	VALVE, FLOW DIVIDE/COMBINE 1:1.....	1
5	139719	ORFICE, 0.040"..... (equalizes pressure on both sides of flow divider/combiner valve 3)	1
6	139719	ORFICE, 0.040"..... (equalizes pressure on both sides of flow divider/combiner valve 1)	1
7	139716	VALVE, CHECK.....	2
--	139727	SEAL KIT, VALVE	
8	139715	VALVE, SHUTTLE, FIXED.....	1
--	139726	SEAL KIT, VALVE	

305.1 Non-steer Axle



305.1 Non-steer Axle

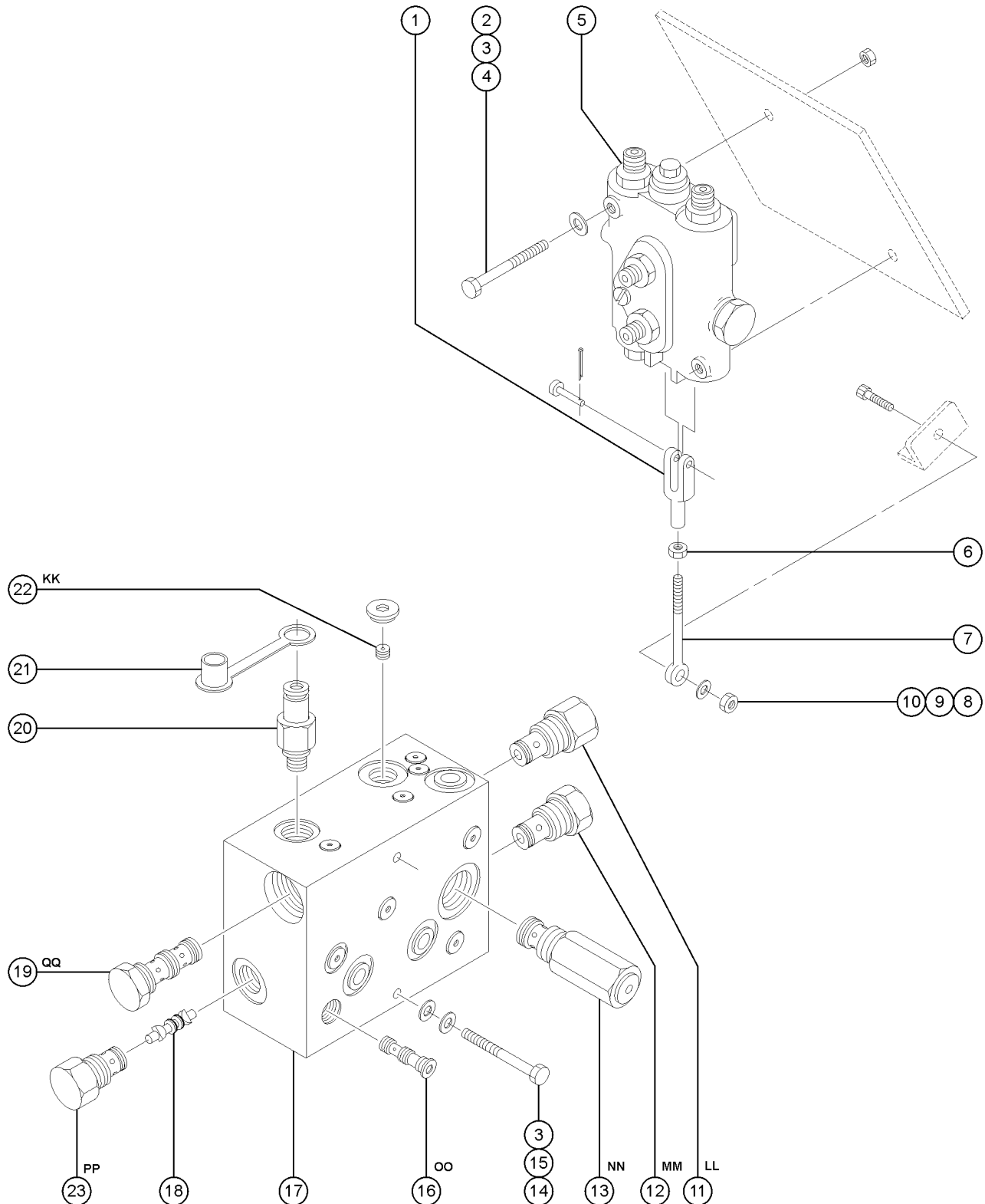
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--				--	33991	ACTUATOR, FOR/DISCONNECT ROD.....	2
1		Ref. Oscillation Manifold and Control Valve <i>refer to section 306.1</i>		--	33992	DISCONNECT ROD, TORQUE HUB.....	2
2	8177	SCREW, HHC, 1/2-13 X 1.5.....	6	--	58238	BEARING KIT, WHEEL DRIVE, S60***	
3	6033	WASHER, LOCK, 0.5".....	7	--	58283	BOLT, COVER, WHEEL DRIVE, W3***	
4	40033	MANIFOLD, TRCN W/BYPASS, 4WD***.....	7	--	65855	SNAP RING, W3/W6 TORQUE HUB* (for 33434 and 53483 wheel drive)	
5	33945	NON-STEER AXLE ASSEMBLY S60%%.....	1	--	72288	COUPLER, METAL (53483) (for 33434 and 53483 wheel drive)	
		<i>includes Index No. 6</i>		--	83084	SEAL, LIP (33434)***	
6	34639	BEARING, 2.5" ID X 2.75 X 2.25" L....	2	13B	53483	WHEEL DRIVE, HW3 87:1***	2
--	27698	BEARING, 2.50 ID X 2.75 OD X 2.00 L....	2			<i>from SN 7810</i>	
		<i>from SN 7821</i>		--	58284	COVER PLATE, WHEEL DRIVE, HW3*** (for 53483)	
7	29746	WASHER, FLAT, 2.5 X 4 X .062		14	22811	O-RING, MOTOR TO BRAKE***.....	4
8	73184	WHEEL, 19.5 X 12.2, 10 HOLE***	2	15A	41914	BRAKE, MICO, 1400 IN. LBS. **.....	2
--	73180	TIRE & WHEEL RH, AIR S60***.....	2			<i>includes 1 each Index No. 14; to SN 7809</i>	
--	73181	TIRE & WHEEL LH, AIR S60.....	2	--	29291	SEAL KIT, MICO	
--	73182	TIRE & WHEEL ASSY, RIGHT, FF S60.....	2	--	29293	BEARING KIT, MICO	
--	73183	TIRE & WHEEL ASSY, LEFT, FF S60.....	2	--	41918	LINING KIT, MICO BRAKE	
--	73206	TIRE & WHEEL ASSY R, AF, NON-MARKI.....	2	15B	73899	BRAKE, WHEEL, 1600 IN. LBS.	2
--	73207	TIRE & WHEEL ASSY L, AF, NON-MARKI.....	2			<i>from SN 7810</i>	
9	34127	NUT, LUG, 3/4-16 X 7/8 RADIUS.....	20	--	77239	LINING KIT, AUSCO BRAKE***	
10	73185	TIRE, 38/65D-19.5, 16PLY, OTR*.....	2	--	77240	SEAL KIT, AUSCO BRAKE***	
--	73210	TIRE, 385 19.5, 16PLY, NON-MARKI.....	2	16A	24667	DRIVE MOTOR REAR, 4WD/1 DEGREE.....	2
11	45066	SCREW, SHC, 5/8-11 X 2.25.....	16			<i>includes 1 each Index No. 14; to SN 7809</i>	
12	13064	WASHER, FLAT, .625 HARDENED.....	16	--	49897	GASKET, TURTLE, DRV MTR, EDC	
13A	33434	WHEEL DRIVE, W3 73:1***.....	2	--	65865	SEAL KIT, SUNSTRAND.....	2
--	147558	KIT, BEARING, TAPERED, OUTER*** (for 33434 and 53483 wheel drive)		--	83081	COVER, SERVO (24667)	
--	147559	KIT, BEARING, TAPERED, INNER*** (for 33434 and 53483 wheel drive)		16B	73238	MOTOR, HYD DRIVE, 2SPEED, 4WD.....	2
--	33440	SEAL KIT, TORQUE HUB (34115)***				<i>from SN 7810</i>	
--	33441	STUD, WHEEL, 3/4-16, (34115)		17	7261	SCREW, HHC, 1/2-13 X 5 BLACK.....	4
--	33989	COVER, TORQUE HUB		18	13066	WASHER, FLAT, .5 HARDENED.....	4
--	33990	O-RING, TORQUE HUB COVER		19	56912	SPRING CLIP, 1/4-20, .025-.15X.5.....	8
				20	34409P-S	COVER, REAR AXLE BLUE.....	2
				21	6090	SCREW, HHC, 1/4-20 X .75.....	8
				22	6356	WASHER, LOCK, .25.....	8
				23	6638	WASHER, FLAT, USS, 1/4" Y.....	8

305.1 Non-steer Axle (continued)

Item	Part No.	Description	Qty.
24	34217P-S	BAR,AXLE ROTATION STOP,PAINTED.....2 <i>non-oscillating models</i>	2
--	34218P-S	BAR,AXLE ROTATION STOP,OSC.....2 <i>non-oscillating models</i>	2
25	34215	SHIM,AXLE ROTATION STOP,12GA.....2-as-needed	
26	34216	SHIM,AXLE ROTATION STOP,22GA.....2-as-needed	
27	34273	PIN,2.50DIAX21.12LG,1HOLE.....1	1
28	30418	ROD END,.50 X 4.....1	1
29	6096	SCREW,HHC,1/2-13 X 2 GR5.....1	1
30A	58021	DRIV CHAS COVER ASSY N/S END.....1 <i>sloped cover</i>	1
30B	33944	COVR W/DECLS,DR CHAS,NS END.....1	1

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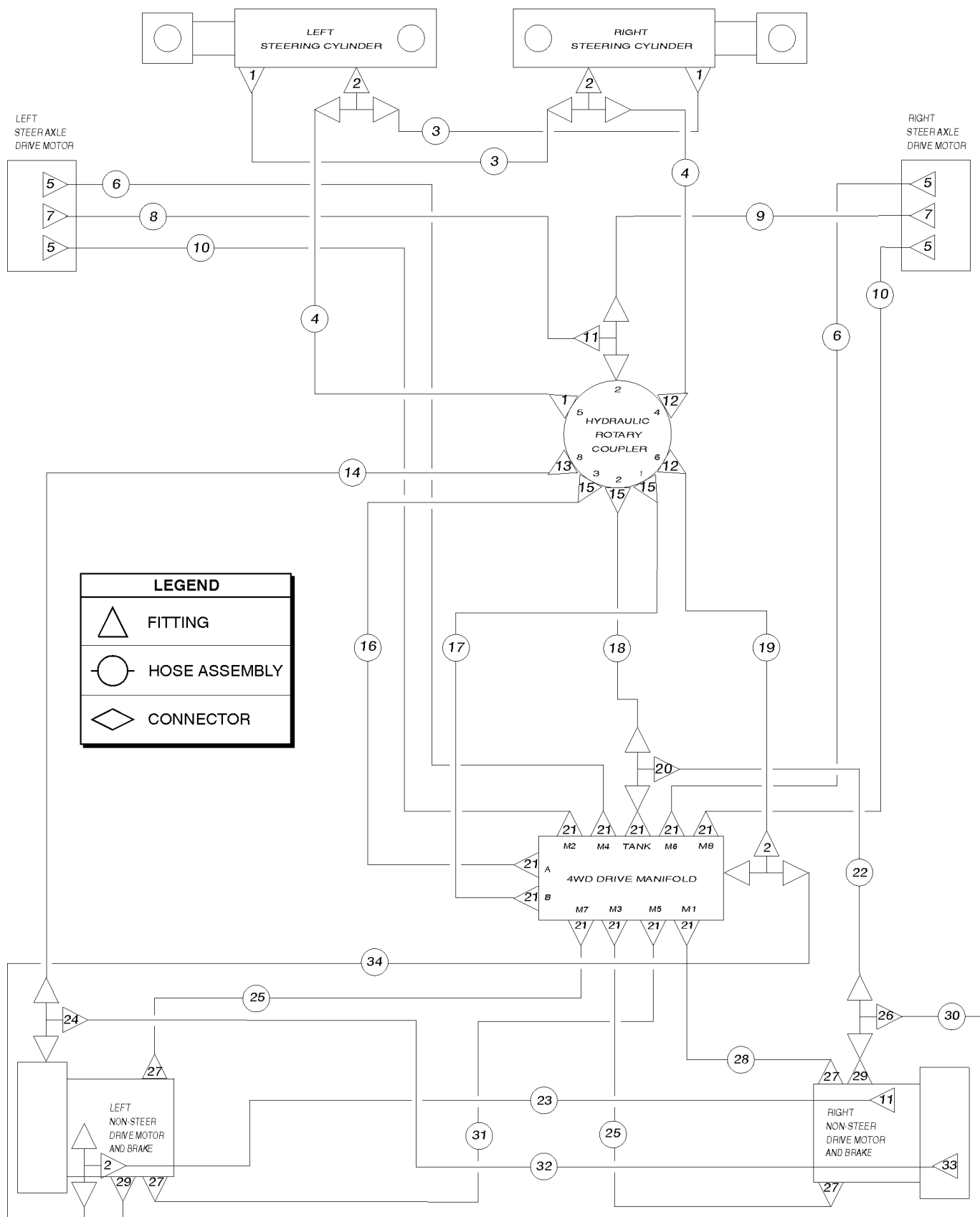
306.1 Oscillation Manifold and Control Valve



306.1 Oscillation Manifold and Control Valve

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)		22	29737	PLUG,ORIFICE,0.052 INCH.....1 <i>KK, Differential sensing circuit</i>	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*		23	32725	VALVE,CHECK (30797) <i>PP, Oscillate check - right</i>	
1	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....1 <i>includes clevis pin and cotter pin</i>					
2	6884	SCREW,HHC,1/4-20 X 2.5.....2					
3	6638	WASHER,FLAT,USS,1/4"Y.....4					
4	6091	NUT,NYLOCK,1/4-20.....2					
5	30558	VLV,MAN,3 POS/4 WAY,OPEN CTR.....1					
--	32681	SEAL KIT,CONTROL VALVE.....1					
6	21496	NUT,HEX,1/4-28.....1					
7	34858	ROD END,1/4-28 OSC.LINKAGE....1					
8	5365	NUT,NYLOCK,10-24.....1					
9	6146	WASHER,FLAT,MS,#10,Y.....1					
10	6584	SCREW,SHS,10-24 X .625.....1					
11	27532	VALVE,DIFFERENTIAL SENSING.....1 <i>LL, Differential sensing circuit</i>					
--	110197	SEAL KIT, VALVE, #10					
12	32725	VALVE,CHECK (30797).....2 <i>MM, Oscillate check - left</i>					
--	110194	SEAL KIT, VALVE, #10					
13	37050	VALVE,UNLOADER,P.O.....1 <i>NN, Sequencing</i>					
14	12343	SCREW,HHC,1/4-20 X 3.....2					
15	6356	WASHER,LOCK,.25.....2					
16	45483	VALVE,SHUTTLE***.....1 <i>OO, Pilot</i>					
17	30797	MANIFOLD,OSCILLATION.....1 <i>includes Index No's. 11 through 13 and 16, 18, 19 and 22</i>					
--	25375	SEAL KIT (ALL MANIFOLDS).....1					
18	32724	PISTON (30797).....1					
19	32723	VALVE,SHUTTLE (30797).....1 <i>QQ, Unloading</i>					
--	110197	SEAL KIT, VALVE, #10					
20	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....1					
--	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1					
21	48880	CAP,DIAGNOSTIC NIPPLE.....1					

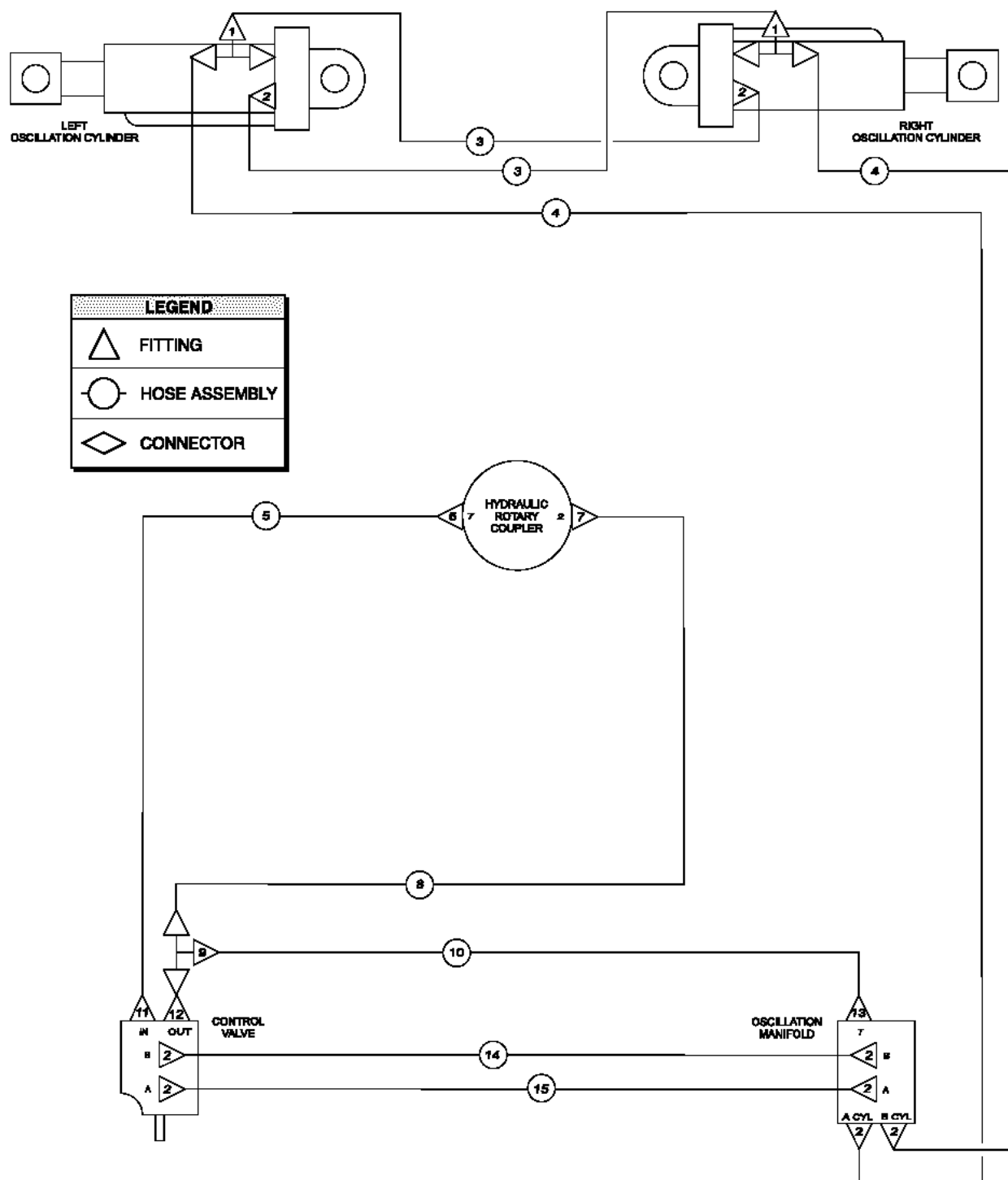
307.1 Hydraulic Hoses and Fittings - Drive and Steer Systems



307.1 Hydraulic Hoses and Fittings - Drive and Steer Systems

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)		34	218694	HOSE ASSY, S-60, DRIVE	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*				MOTOR.....	1
1	48916	FITTING,CONN,520120-6.....	3				
2	48918	TEE,RUN,520428-6.....	4				
3	49105-2750	HOSE ASSEMBLY-3/8" 100R2.....	2				
4	49104-6400	HOSE ASSEMBLY-3/8" 100R2.....	2				
5	48975	CONN,520120-12-10.....	4				
6	49154-12650	HOSE ASSEMBLY-3/4" 100R12.....	2				
7	48933	CONN,520120-8***.....	2				
8	49137-9141	HOSE ASSEMBLY,1/2".....	1				
9	49137-9141	HOSE ASSEMBLY,1/2".....	1				
10	49154-12650	HOSE ASSEMBLY-3/4" 100R12.....	2				
11	48935	TEE,RUN,520428-8.....	1				
12	48915	ELBOW,90D,520220-6.....	3				
13	48983	ELBOW,90D,520220-16.....	1				
14	49117-8491	HOSE ASSY,1/4,90 FEM,STR FEM.....	1				
15	48963	FITTING,ELBOW,45D,520320-12***.3					
16	49154-3700	HOSE ASSEMBLY-3/4" 100R12.....	1				
17	49156-3500	HOSE ASSY,3/4,90 FEM,STR FEM.....	1				
18	49151-2400	HOSE ASSY,3/4,STR FEM,STR FEM.....	1				
19	49130-5400	HOSE ASSY,3/8,STR FEM,STR FEM.....	1				
20	48964	FITTING,TEE,RUN,SWIVEL52043212.1					
21	48960	FITTING,CONN,520120-12.....	11				
22	49140-5600	HOSE ASSEMBLY-1/2".....	1				
23	49130-5700	HOSE ASSEMBLY-3/8".....	1				
24	48906	TEE,RUN,520428-4.....	1				
25	49157-4085	HOSE ASSEMBLY,3/4".....	2				
26	48938	FITTING,TEE,RUN,SWIVEL520432-8.1					
27	48976	ELBOW,90D,520220-12-16.....	4				
28	49157-4035	HOSE ASSEMBLY,3/4".....	1				
29	48947	ELBOW,90D,520220-8-12.....	2				
30	49143-5200	HOSE ASSY,1/2,90 FEM,STR FEM.....	1				
31	49157-4885	HOSE ASSEMBLY,3/4".....	1				
32	49119-6400	HOSE ASSY,1/4,STR FEM,STR FEM.....	1				
33	48904	ELBOW,90D,520220-4-4.....	1				

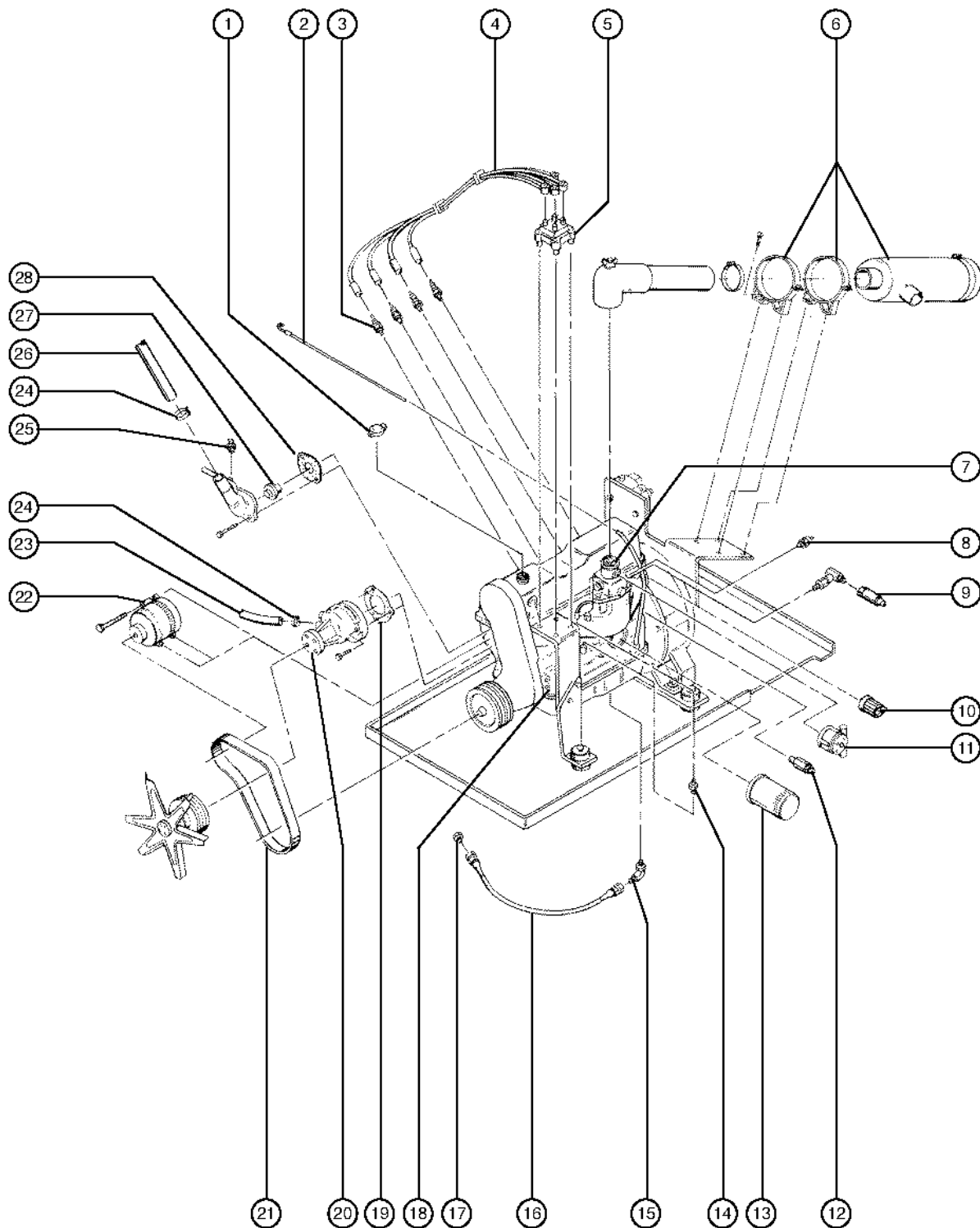
308.1 Hydraulic Hoses and Fittings - Oscillation System



308.1 Hydraulic Hoses and Fittings - Oscillation System

Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48918	TEE,RUN,520428-6.....	2
2	48916	FITTING,CONN,520120-6.....	8
3	49104-1400	HOSE ASSEMBLY-3/8" 100R2.....	2
4	49104-14300	HOSE ASSEMBLY-3/8" 100R2.....	2
5	49104-6909	HOSE ASSEMBLY,3/8".....	1
6	48915	ELBOW,90D,520220-6.....	1
7	48934	CONN, LONG,520122-8.....	1
8	49143-7350	HOSE ASSY,1/2,90 FEM,STR FEM.....	1
9	48938	FITTING,TEE,RUN,SWIVEL520432-8.1	
10	49141-1475	HOSE ASSY,1/2,45 FEM,STR FEM.....	1
11	48930	FITTING,CONN,520120-6-8***.....	1
12	48933	CONN,520120-8***.....	1
13	48932	FITTING,ELBOW,90D,520220-8***..	1
14	49102-1903	HOSE ASSEMBLY,3/8".....	1
15	49104-1859	HOSE ASSEMBLY,3/8".....	1

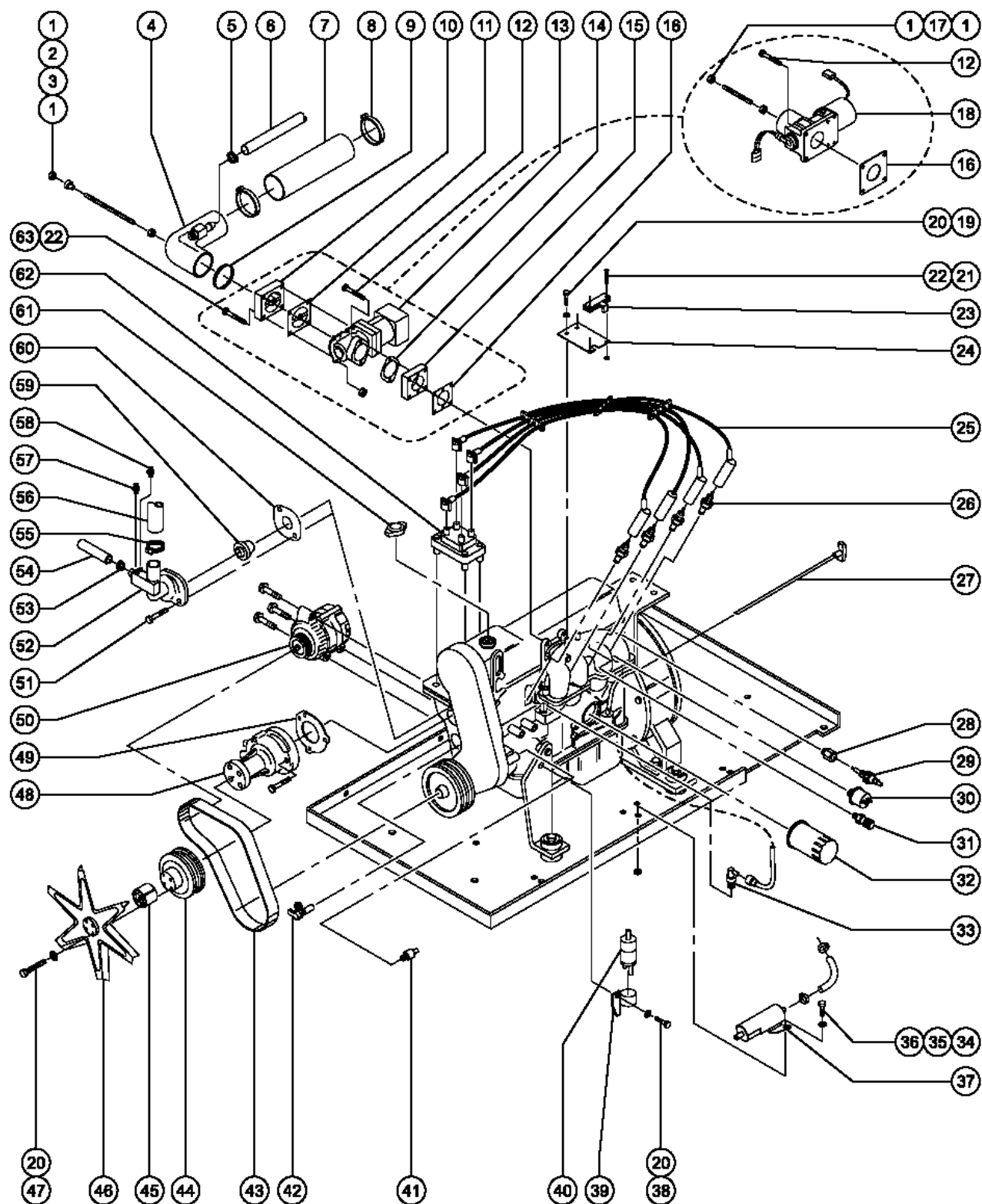
401.1 Ford LRG-423 Engine - View 1 (to SN 3089)



401.1 Ford LRG-423 Engine - View 1 (to SN 3089)

Item	Part No.	Description	Qty.
1	28658	CAP, OIL FILLER, FORD LSG423...	1
2	33955	DIPSTICK, FORD LRG 423.....	1
3	28647	SPARK PLUG,FORD.....	4
4	58928	WIRE SET (LRG 423) LG SET**.....	1
5	33970	COIL, ELECTRONIC IGN., FORD...	1
6	27915	AIR CLEANER..... <i>does NOT include mounting bands</i>	1
--	27916	FILTER,AIR,ELEMENT***.....	1
--	53952	BRKT,AIR CLEANER ORIENTATION**.....	1
--	65815	CLAMP, AIR CLEANER (27915)**..... <i>clamp that holds the end cap on</i>	1
7	33958	CARBURETOR,FORD-LRG 423,AUTO**.....	1
--	28714	CARB REPAIR KIT, LSG/LRG-423.....	1
8	28651	SOLENOID, ANTI-DIESELING.....	1
9	33971	FILTER,FUEL,LSG-423, IN-LINE.....	1
10	30810	SENDING UNIT,OIL PRESSURE***..... <i>dual-terminal sender</i>	1
11	29439	COIL, AUTOMATIC CHOKE,.....	1
12	34058	SENDING UNIT,TMP,FRD,GM,PRK704.....	1
13	28656	FILTER,OIL,FORD.....	1
14	33957	VALVE,PCV-FORD LRG***.....	1
15	27210	ELBOW,90DEG.6 X 14.....	1
16	28020	HOSE ASSY,MOTOR OIL DRAIN....	1
17	19141	PLUG,MALE,070109-6.....	1
18	33968	SENSOR, CRANK POSITION.....	1
19	33964	GASKET, WATER PUMP.....	1
20	33963	PUMP, WATER, WITH GASKET..... <i>includes index number 19</i>	1
21	33961	SERPENTINE BELT.....	1
22	33960	ALTERNATOR,LRG-423 RE-BUILT*.....	1
23	77170	HOSE,LOWER RADIATOR,Z45.....	1
24	45171	CLAMP,HOSE,1.75,LINED.....	2
25	33972	SENSOR,COOLANT TEMP*.....	1
26	33965	HOSE, UPPER RADIATOR.....	1
27	33966	THERMOSTAT, FORD LRG.....	1
28	28653	GASKET,WATER OUTLET,FORD....	1

401.2 Ford LRG-425 EFI Engine - View 1 (from SN 3090 to 7832)



401.2 Ford LRG-425 EFI Engine - View 1 (from SN 3090 to 7832)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	6889	NUT,LP NYLOCK,1/4-20.....	2	25	52570	SPARK PLUG WIRE SET, LRG425EFI.....	1
2	72317	GLAND NUT & GASKET KIT(24552)*.....	1	26	28647	SPARK PLUG,FORD.....	4
3	27507	THREADED ROD,1/4-20,4.5".....	1	26	52656	FUEL INJECTOR, LRG-425 EFI.....	4
		to SN 5193		27	52566	DIPSTICK, OIL LEVEL,LRG425 EFI.....	1
4	24552	VENTURI,BEAM (FORD) ***.....	1	28	28607	ADAPTER,140139-8-6.....	1
5	46131	CLAMP,HOSE,.63.....	2	29	34058	SENDING UNIT,TMP,FRD,GM,PRK704.....	1
6	53832	HOSE,FIRE RES.,5/8 ID,BULK.....	26-inches	30	30810	SENDING UNIT,OIL PRESSURE***.....	1
7	53125	HOSE,AIR INTAKE 2.5 ID X 6.5.....	1			dual-terminal sender	
8	30971	CLAMP,HOSE,3.00".....	2	31	52652	SENSOR,AIR TEMP,LRG-425 EFI***.....	1
9	65455	GASKET-VENTURI BEAM (FORD).....	1	32	28656	FILTER,OIL,FORD.....	1
10	48471	ADAPTER,LP VENTURI.....	1	33	33957	VALVE,PCV-FORD LRG***.....	1
		to SN 5193		34	8915	SCREW,HHC,1/4-20 X 1.25.....	3
11	48477	GASKET,LP ADAPTER.....	1	35	6638	WASHER,FLAT,USS,1/4"Y.....	3
		to SN 5193		36	6091	NUT,NYLOCK,1/4-20.....	3
12	49386	SCREW,HHC,M8 X 40.....	2	37	81941	FUEL PUMP RELOCATION KIT.....	1
		to SN 5193		38	25929	SCREW,HHC,M8 X 30MM,GRD 8.8.....	1
13	94922	KIT,FORD EFI UPDATE,BASE***.....	1	39	65453	BRACKET-FUEL FILTER (52567)....	1
		to SN 5193		40	58967	FUEL PRESSURE REG,425EFI***.....	1
14	52577	GASKET - THROTTLE BODY, 425EFI.....	1	41	58900	SENSOR,CAM,EFI***.....	1
		to SN 5193		42	33968	SENSOR, CRANK POSITION.....	1
15	88455	ADAPTER,THROTTLE ACTUATOR***.....	1	43	52580	BELT,SERPENTINE,LRG425 EFI***.....	1
		to SN 5193		44	52078	PULLEY,FORD ENGINE,LRG-423***.....	1
16	52579	GASKET,ADAPTER PLATE,425EFI***.....	1	45	52077	SPACER,FAN TO WATERPUMP LRG423.....	1
		to SN 5193		46	52076	FAN, LSG423/LRG425.....	1
17	27507	THREADED ROD,1/4-20,4.5".....	1	47	32309	SCREW,HHC,M8 X 60MM X 1.25....	4
18A	63258	ACTUATOR, FORD EFI PRECISION.....	1	48	33963	PUMP, WATER, WITH GASKET.....	1
		from SN 5196		49	33964	GASKET, WATER PUMP.....	1
18B	88451	THROTTLE ACTUATOR*(BOSCH) models with EFI update kit ONLY		50	33960	ALTERNATOR,LRG-423 RE-BUILT*.....	1
19	23057	SCREW,HHC,M8 X 20MM.....	2	51	65454	BOLT-FLANGE,M6 X 22MM(52573).....	2
20	49408	WASHER,LOCK,M8.....	7	52	52573	THERMOSTAT HOUSING, LRG425 EFI.....	1
21	49817	SCREW,PHILLIPS,PHM,10-32 X1.25.....	2				
22	6178	NUT,NYLOCK,10-32.....	6				
23	49898	MAP SENSOR, EFI.....	1				
24	53821P	BRACKET,MAP SENSOR,PAINTED.....	1				

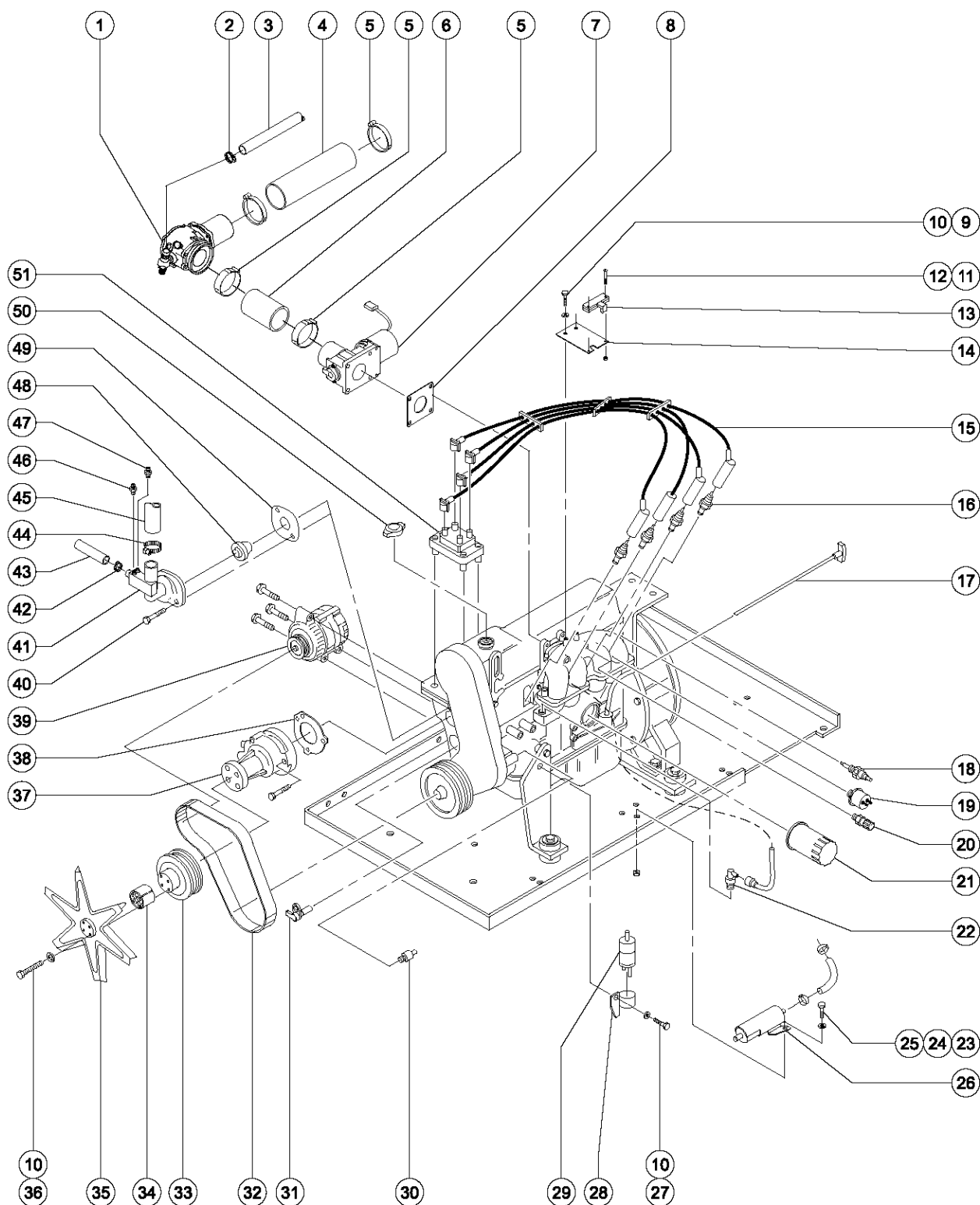
401.2 Ford LRG-425 EFI Engine - View 1 (from SN 3090 to 7832) (continued)

Item	Part No.	Description	Qty.
53	36208	CLAMP,HOSE,1.25***.....1	1
54	52762	HOSE,WATER INLET,LRG425 EFI.....1	1
55	22672	CLAMP,HOSE,1.75.....1	1
56	33965	HOSE, UPPER RADIATOR.....1	1
57	33972	SENSOR,COOLANT TEMP*.....1	1
58	65456	SENDING UNIT-H20TMP LRG425EFI*.....1	1
59	33966	THERMOSTAT, FORD LRG.....1	1
60	52575	GASKET,THERM.HSNG O-RING....1	1
61	49881	OIL FILLER CAP FOR LRG ENGINE.....1	1
62	33970	COIL, ELECTRONIC IGN., FORD...1	1
63	30469	SCREW,FHM,10-32 X 1.5.....4	4

401.2 Ford LRG-425 EFI Engine - View 1 (from SN 3090 to 7832)
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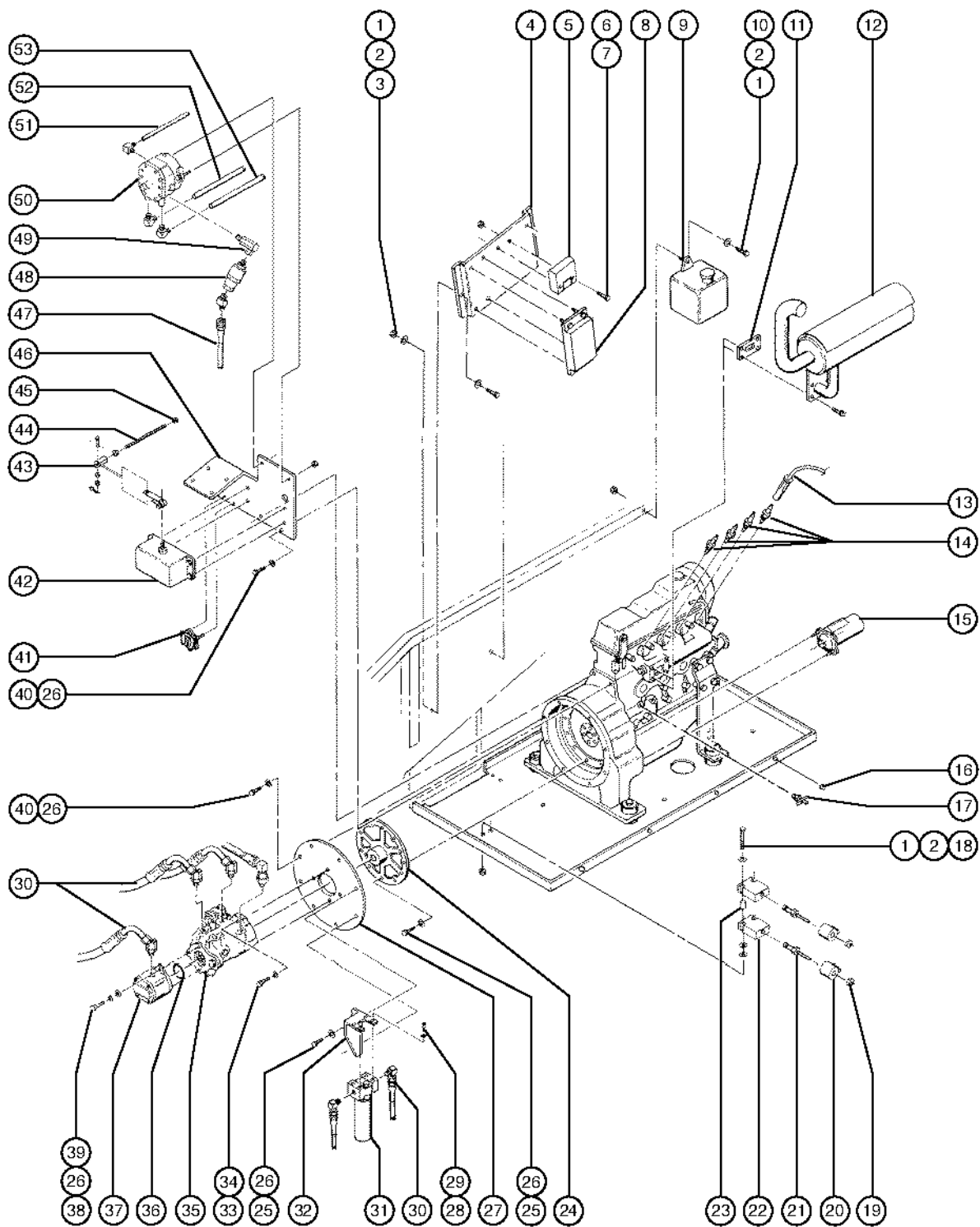
401.3 Ford LRG-425 EFI Engine - View 1 (from SN 7833)



401.3 Ford LRG-425 EFI Engine - View 1 (from SN 7833)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	81627	KIT,NOLFF LPG <i>for units without E-controls; consult factory prior to ordering</i>		21	28656	FILTER,OIL,FORD.....	1
1A	81629	AIR VALVE MIXER***.....1 <i>for units without E-controls; consult factory prior to ordering</i>	1	22	33957	VALVE,PCV-FORD LRG***.....	1
1B	58598	AIR VALVE MIXER <i>for units upgraded to E-controls; consult factory prior to ordering</i>		23	8915	SCREW,HHC,1/4-20 X 1.25.....	3
--	58599	DIAPHRAGM,AIR VALVE MIXER <i>for units upgraded to E-controls; consult factory prior to ordering</i>		24	6638	WASHER,FLAT,USS,1/4"Y.....	3
2	46131	CLAMP,HOSE,.63.....	2	25	6091	NUT,NYLOCK,1/4-20.....	3
3	81631	HOSE,VAPOR,LP SPECIFIC		26A	81941	FUEL PUMP RELOCATION KIT.....	1
4	30966-0575	HOSE,AIR INTAKE,2.25"IDX5.75"....	1	26B	77219	PUMP, FUEL, LRG425, WALBRO....	1
5	30971	CLAMP,HOSE,3.00".....	4	27	25929	SCREW,HHC,M8 X 30MM,GRD 8.8.....	1
6	27211-0250	HOSE,AIR INTAKE,2.625"IDX2.50".....	1	28	65453	BRACKET-FUEL FILTER (52567)....	1
7A	63258	ACTUATOR, FORD EFI PRECISION.....	1	29	58967	FUEL PRESSURE REG,425EFI***.....	1
7B	88451	THROTTLE ACTUATOR*(BOSCH) <i>models with EFI update kit ONLY</i>		30	58900	SENSOR,CAM,EFI***.....	1
8	52579	GASKET,ADAPTER PLATE,425EFI***.....	1	31	33968	SENSOR, CRANK POSITION.....	1
9	23057	SCREW,HHC,M8 X 20MM.....	2	32	52580	BELT,SERPENTINE,LRG425 EFI***.....	1
10	49408	WASHER,LOCK,M8.....	7	33	52078	PULLEY,FORD ENGINE,LRG-423***.....	1
11	49817	SCREW,PHILLIPS,PHM,10-32 X1.25.....	2	34	52077	SPACER,FAN TO WATERPUMP LRG423.....	1
12	6178	NUT,NYLOCK,10-32.....	6	35	52076	FAN, LSG423/LRG425.....	1
13	49898	MAP SENSOR, EFI.....	1	36	32309	SCREW,HHC,M8 X 60MM X 1.25....	4
14	53821P	BRACKET,MAP SENSOR,PAINTED.....	1	37	33963	PUMP, WATER, WITH GASKET.....	1
15	52570	SPARK PLUG WIRE SET, LRG425EFI.....	1	38	33964	GASKET, WATER PUMP.....	1
16	28647	SPARK PLUG,FORD.....	4	39	33960	ALTERNATOR,LRG-423 RE-BUILT*.....	1
--	52656	FUEL INJECTOR, LRG-425 EFI....	4	40	65454	BOLT-FLANGE,M6 X 22MM(52573).....	2
17	52566	DIPSTICK, OIL LEVEL,LRG425 EFI.....	1	41	52573	THERMOSTAT HOUSING, LRG425 EFI.....	1
18	34058	SENDING UNIT,TMP,FRD,GM,PRK704.....	1	42	36208	CLAMP,HOSE,1.25***.....	1
19	30810	SENDING UNIT,OIL PRESSURE***..... <i>dual-terminal sender</i>	1	43	52762	HOSE,WATER INLET,LRG425 EFI.....	1
20	52652	SENSOR,AIR TEMP,LRG-425 EFI***.....	1	44	22672	CLAMP,HOSE,1.75.....	1
				45	33965	HOSE, UPPER RADIATOR.....	1
				46	33972	SENSOR,COOLANT TEMP*.....	1
				47	65456	SENDING UNIT-H20TMP LRG425EFI*.....	1
				48	33966	THERMOSTAT, FORD LRG.....	1
				49	52575	GASKET,THERM.HSNG O-RING....	1
				50	49881	OIL FILLER CAP FOR LRG ENGINE.....	1
				51	33970	COIL, ELECTRONIC IGN., FORD...1	1

402.1 Ford LRG-423 Engine - View 2 (to SN 3089)



402.1 Ford LRG-423 Engine - View 2 (to SN 3089)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	65770	BELT,TIMING,FORD LRG423/425EFI		27	25571P-S	PLATE,PUMP MOUNT,FORD,PAINTED.....	1
1	6091	NUT,NYLOCK,1/4-20.....	5	28	7339	SCREW,HHC,1/4-20 X .5.....	4
2	6638	WASHER,FLAT,USS,1/4"Y.....	9	29	6356	WASHER,LOCK,.25.....	4
3	8914	SCREW,HHC,1/4-20 X .625.....	2	30		Ref. Hydraulic Hoses & Fittings..... <i>refer to section 513.1</i>	4
4	31250	IGNITION MODULE MTG.PLATE ASSY.....	1	31	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....	1
5	128658	KIT,LRG423 IGNITION MODULE.....	1	--	20880	FILTER ELEMENT-10 MIC.***..... <i>component of filter assy p/n 20879 (no longer sold)</i>	1
6	6179	SCREW,RHM,10-32 X 1.25.....	2	--	60857	FILTER,ELEMENT,BETA(5)=1000.... <i>for 77139</i>	1
7	14392	NUT,LP NYLOCK,10-32.....	2	32	30230P	FILTER MOUNT BRACKET.....	1
8	34935	GOVERNOR,CNTRLR,FORD,LRG 423.....	1	33	8177	SCREW,HHC,1/2-13 X 1.5.....	2
9	54071	COOLANT RETURN SYSTEM,Z45***.....	1	34	6033	WASHER,LOCK,0.5".....	4
10	8915	SCREW,HHC,1/4-20 X 1.25.....	1	35	37027	PUMP,VAR PISTON,2.8 C.I.***.....	1
11	27142	GASKET,EXHAUST.....	1	--	22965	EDC ASSY,SAUER,M46***.....	1
12	48439	MUFFLER,EXH,FORD,BIG BOOMS***.....	1	--	29739	SEAL KIT,SAUER-DANFOSS M46***.....	1
13	58928	WIRE SET (LRG 423) LG SET**.....	1	--	32611	SHAFT,M46 15 TOOTH.....	1
14	28647	SPARK PLUG,FORD.....	4	36	29436	O-RING***.....	1
15	29606	RING GEAR,FORD*** <i>FITS LSG-LRG 423, AND LRG425</i>		37	53959	PUMP,LIFT 1.403 C.I.***.....	1
15	29616	STARTER,ENGINE,FORD LSG/LRG***.....	1	--	58228	SEAL KIT***.....	1
16	34619	BUMPER,RUBBER***.....	4	38	33988	SCREW,SHC,3/8-16 X 1.....	2
17	28717	VALVE,DRAIN,FORD,BLOCK,RAD..	1	39	6097	WASHER,FLAT,USS,3/8",Y.....	2
18	11413	SCREW,HHC,1/4-20 X 4.....	2	40	6175	SCREW,HHC,3/8-16 X 1.....	2
19	52943	NUT,SOLENOID VALVE.....	2	41	22278	SWITCH,VACUUM.....	1
20	29744	COIL,10V.....	2	42	34936	GOVERNOR,ACTUATOR,FORD LRG423.....	1
21	29066	VALVE,SOLENOID,10V,2POS 3WAY**..... <i>includes index numbers 19 and 20</i>	2	43	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN..... <i>includes clevis pin</i>	1
22	30369	SOLENOID VALVE,N.C. 2POS. 3WAY..... <i>includes index number 21</i>	2	44	30785-1000	THREADED ROD,1/4-28 X 10 IN***.....	1
23	45400	SPACER TUBE,.50 LG.....	2	45	21496	NUT,HEX,1/4-28.....	2
24	28836	COUPLING,FLYWHEEL,FL 15T 12.5".....	1	46	34939P	BRACKET,LP REG/AIR FILTER,PNTD.....	1
24	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....	1	47	25967	HOSE ASSEMBLY,LP GAS-86" LNG**.....	1
25	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	8	48	27010	VALVE,LOCK OFF,BEAM #FL-418.....	1
26	6021	WASHER,LOCK,.375.....	14	49	27042	ELBOW,90DEG.1/4MPT,1/4SW,NPTF.1	

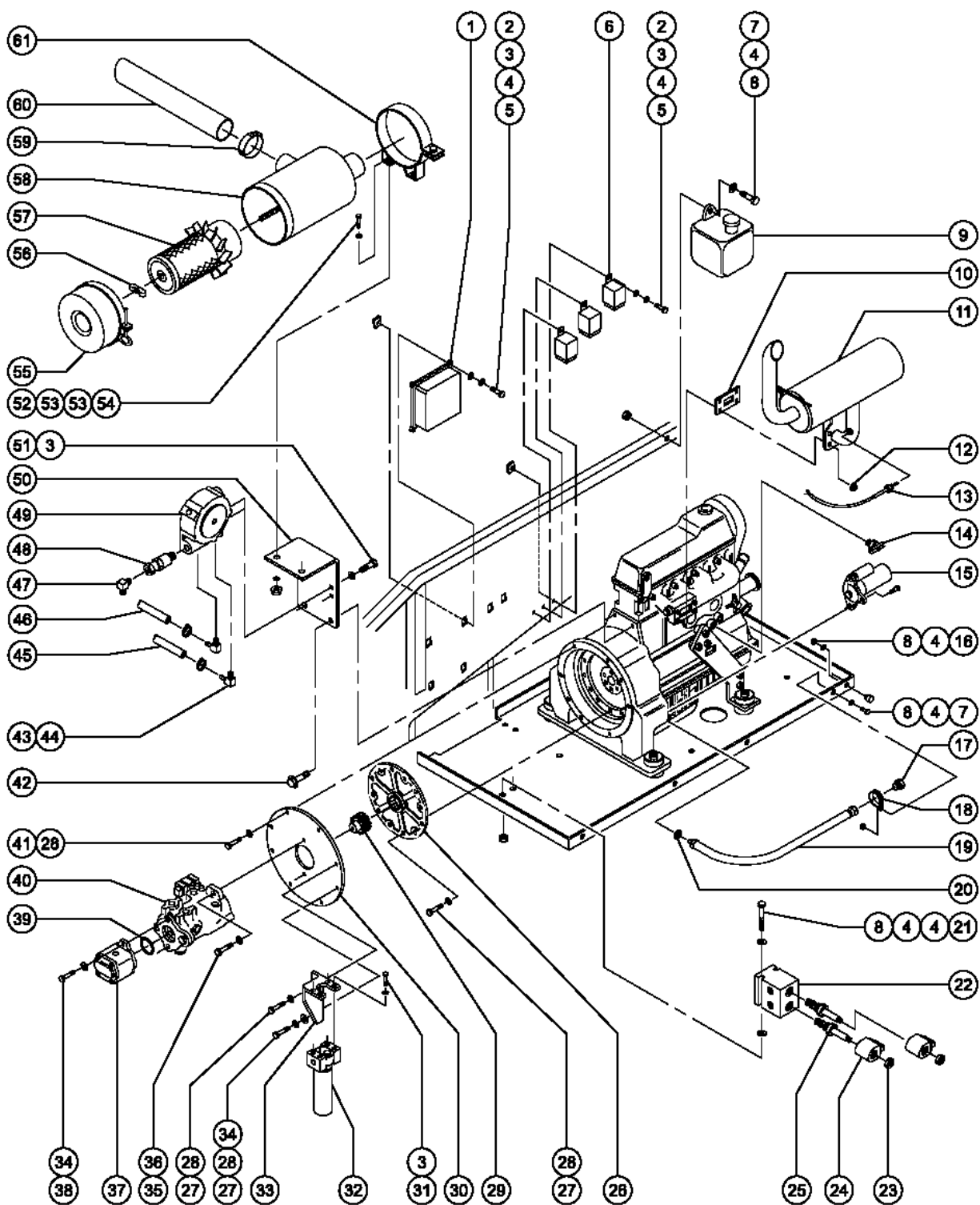
402.1 Ford LRG-423 Engine - View 2 (to SN 3089)
(continued)

Item	Part No.	Description	Qty.
50	24551	REGULATOR,LPG,BEAM #120A.....	1
50	32768	REGULATOR DIAPH.KIT BEAM 120A.....	1
51		Ref. Hose -3/16 x 17.5 inches (44.5 cm), Regulator to Carburetor Venturi.....	1
52		Ref. Hose -3/8 x 25 inches (63.5 cm), Regulator to Intake Manifold.....	1
53		Ref. Hose -3/8 x 54 inches (137 cm), Regulator to Water Pump.....	1

402.1 Ford LRG-423 Engine - View 2 (to SN 3089)
(continued)

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402.2 Ford LRG-425 EFI Engine - view 2 (from SN 3090)



402.2 Ford LRG-425 EFI Engine - view 2 (from SN 3090)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	65770	BELT,TIMING,FORD LRG423/425EFI		22	81024	MANIFOLD,BRAKE/2 SPD.....1 <i>includes Index No's. 23 through 25; from SN 7501</i>	
1	94922	KIT,FORD EFI UPDATE,BASE***.....1 <i>Contains Genie calibration file - order from Genie only; to SN 5193</i>		23	45912	NUT,SOLENOID,2POS 3WAY.....2	
--	88457	ENGINE PERFORMANCE MODULE T1.....1 <i>Contains Genie calibration file - order from Genie only; from SN 8689</i>		24	43601	COIL,SOLENOID,10V W/ DIODE.....2 <i>to SN 7500</i>	
--	94922	KIT,FORD EFI UPDATE,BASE***.....1 <i>Contains Genie calibration file - order from Genie only; from SN 5195 to SN 8688</i>		--	81043	COIL,SOLENOID,8 DSD 10V,W/DIO.....2 <i>from SN 7501</i>	
2	6888	SCREW,HHC,1/4-20 X 1.....9		25	65766	VALVE,SOLENOID,10V W/DIODE***.....2 <i>includes Index No's. 23 and 24; to SN 7500</i>	
3	6356	WASHER,LOCK,.25.....13		--	65766	VALVE,SOLENOID,10V W/DIODE***.....2 <i>includes Index No's. 23 and 24; from SN 7501</i>	
4	6638	WASHER,FLAT,USS,1/4"Y.....14		26	33024	FLYWHEEL FLANGE,GREEN PLASTIC.....1	
5	56912	SPRING CLIP,1/4-20,.025-.15X.5.....7		27	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....10	
6	52592	RELAY - LRG425 EFI.....3		28	6021	WASHER,LOCK,.375.....20	
7	8915	SCREW,HHC,1/4-20 X 1.25.....2		29	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....1	
8	6091	NUT,NYLOCK,1/4-20.....5		30	25571P-S	PLATE,PUMP MOUNT,FORD,PAINTED.....1	
9	54071	COOLANT RETURN SYSTEM,Z45***.....1 <i>includes cap</i>		31	7339	SCREW,HHC,1/4-20 X .5.....4	
10	27142	GASKET,EXHAUST.....1		32	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....1	
11	77885	MUFFLER,FORD LRG S40-60-80***.....1		--	20880	FILTER ELEMENT-10 MIC.***.....1 <i>component of filter assy p/n 20879 (no longer sold)</i>	
12	65460	NUT-FLANGE,7/16-14.....4		--	60857	FILTER,ELEMENT,BETA(5)=1000....1 <i>for 77139</i>	
13	52564	SENSOR,O2,LRG 425 EFI***.....1		33	30230P-S	FILTER MOUNT BRACKET.....1	
14	28717	VALVE,DRAIN,FORD,BLOCK,RAD..1		34	6097	WASHER,FLAT,USS,3/8",Y.....3	
15	29606	RING GEAR,FORD*** <i>FITS LSG-LRG 423, AND LRG425</i>		35	8177	SCREW,HHC,1/2-13 X 1.5.....2	
15	29616	STARTER,ENGINE,FORD LSG/LRG***.....1		36	6033	WASHER,LOCK,0.5".....2	
16	34619	BUMPER,RUBBER***.....1		37	53959	PUMP,LIFT 1.403 C.I.***.....1	
17	63426	PLUG,070109-8.....1		--	31249	SEAL KIT,LIFT PUMP**.....1 <i>to SN 6053</i>	
18	21618	CLAMP,1.13,#18 X 1/4,RUB CUSH.....1		--	58228	SEAL KIT***.....1 <i>from SN 6054</i>	
19	63427	HOSE ASSY,FORD OIL DRAIN 1/2".....33-inches		38	33988	SCREW,SHC,3/8-16 X 1.....2	
20	53910	GASKET, FORD OIL DRAIN.....1		39	29436	O-RING***.....1	
21	4266	SCREW,HHC,1/4-20 X 2.....2					
22	42157	MANIFOLD,BRAKE/MOTOR SHIFT.....2 <i>includes Index No's. 23 through 25 to SN 7500</i>					

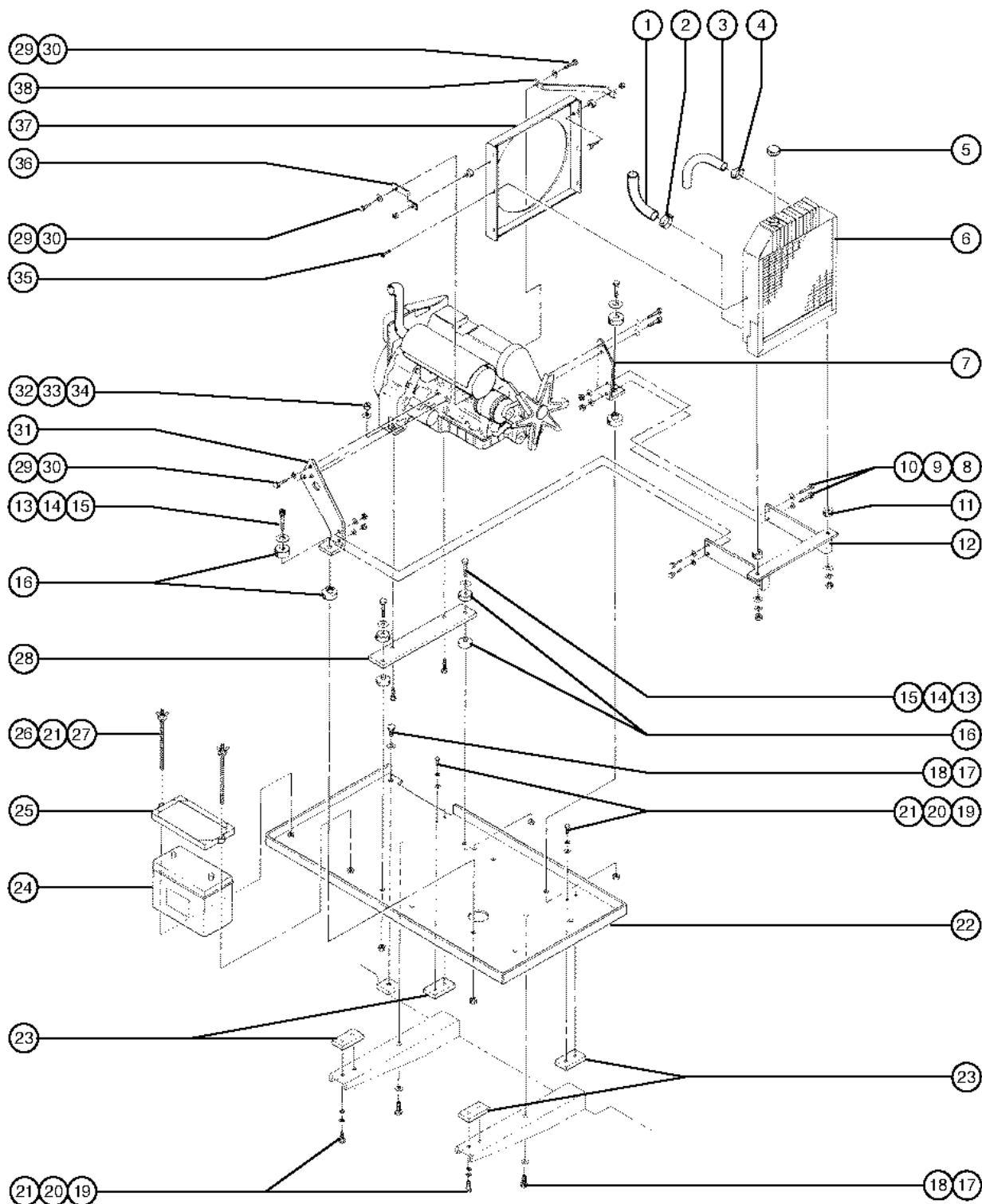
402.2 Ford LRG-425 EFI Engine - view 2 (from SN 3090) (continued)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
40	37027	PUMP,VAR PISTON,2.8 C.I.**	1	--	49740	AIR CLEANER,FORD EFI**	1
--	22965	EDC ASSY,SAUER,M46**	1	59	30971	CLAMP,HOSE,3.00"	1
--	27067	SEAL,SHAFT-SUNDSTRAND**	1	60	53124	HOSE,AIR INT.2.5 IDX12" W/450....	1
--	29739	SEAL KIT,SAUER-DANFOSS M46**	1	61	53952	BRKT,AIR CLEANER ORIENTATION**	1
--	32611	SHAFT,M46 15 TOOTH	1				
--	65843	SEAL,LINK KIT**	1				
41	6175	SCREW,HHC,3/8-16 X 1	8				
42	53024	SCR,M 10X40 LG HEX FLG. SERR	2				
43	37017	HOSE END,90DEG,.63 HS X.25 MPT	2				
44	46131	CLAMP,HOSE,.63	2				
45	52762	HOSE,WATER INLET,LRG425 EFI	1				
46	53832	HOSE,FIRE RES.,5/8 ID,BULK	29-inches				
47	36203	ELBOW,90DEG.3/8MPT-5/8 BARB	1				
48	45828	SOLENOID-FUEL-LPG	1				
49	22279	REGULATOR,LPG BEAM 60**	1				
--	24470	REGULATOR DIAPH.KIT BEAM 50/60	1				
50	48473P-S	BRACKET,AIR FILTER,FORD GAS PT	1				
51	6888	SCREW,HHC,1/4-20 X 1	2				
		to SN 7821					
--	6090	SCREW,HHC,1/4-20 X .75	2				
		from SN 7822					
52	48498	ISOLATOR,AIR FILTER MOUNT	2				
		to SN 7821					
--	13002	SCREW,HHC,5/16-18 X 1 GR5	2				
		from SN 7822					
53	5397	WASHER,FLAT,USS,5/16",Y	4				
54	18503	NUT,LOCKING-LG.FLANGE,5/16-18.4 to SN 7821					
--	6782	NUT,NYLOCK,5/16-18	2				
		from SN 7822					
55	58917	END CAP,AIR FILTER-27915&49740	1				
56	52658	NUT - WING, AIR FILTER, 425EFI	1				
57	27916	FILTER,AIR,ELEMENT**	1				
58	49740	AIR CLEANER,FORD EFI**	1				

402.2 Ford LRG-425 EFI Engine - view 2 (from SN 3090)
(continued)

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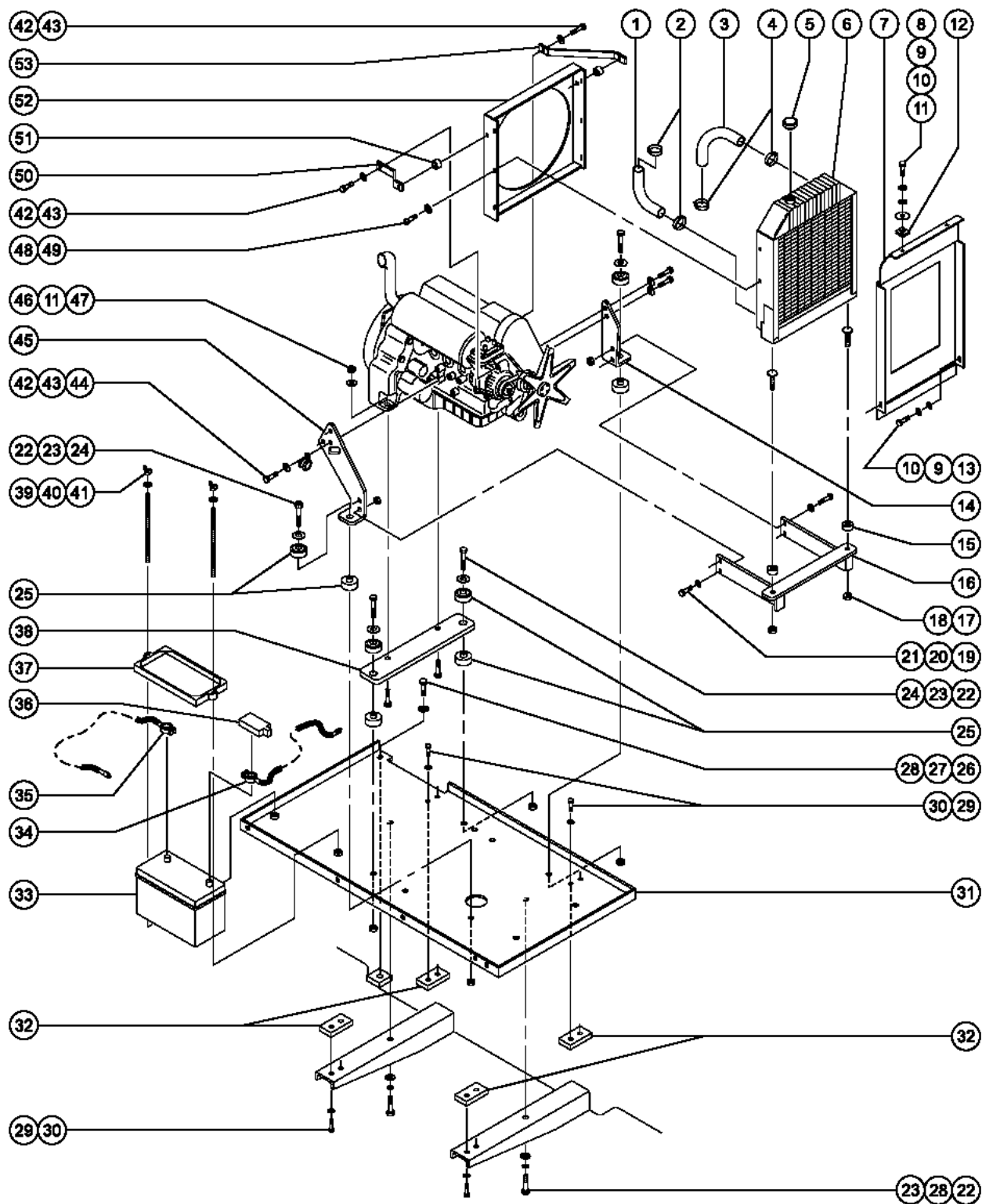
403.1 Ford LRG-423 Engine - View 3 (to SN 3089)



403.1 Ford LRG-423 Engine - View 3 (to SN 3089)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	77170	HOSE, LOWER RADIATOR, Z45.....	1	33	6095	WASHER, FLAT, USS, 1/2", Y.....	2
2	13014	CLAMP, HOSE, 2.25" DIA.....	1	34	10598	SCREW, HHC, 1/2-13 X 3.....	2
3	33965	HOSE, UPPER RADIATOR.....	1	35	21018	SCREW, PHIL, PHM, 10-24 X.38, SEMS.....	6
4	45171	CLAMP, HOSE, 1.75, LINED.....	1	36	34942P-S	STRUT, RH, FORD RADIATOR, PAINT.....	1
5	27943	CAP, RADIATOR, FORD***.....	1	37	34927P-S	SHROUD, RADIATOR LRG 423 BLUE**.....	1
6	33969	RADIATOR, FORD, LRG.....	1	38	34943P-S	MOUNT, RAD. SUPPT, LH, BLUE.....	1
--	28717	VALVE, DRAIN, FORD, BLOCK, RAD..	1				
7	29297	WELDMENT, FORD ENG. MNT, INBOARD.....	1				
8	8516	SCREW, HHC, 3/8-16 X 1.50, GR5....	4				
9	6097	WASHER, FLAT, USS, 3/8", Y.....	8				
10	4828	NUT, NYLOCK, 3/8-16.....	4				
11	24038	SHOCK MOUNT, SMALL.....	2				
12	34929-S	WELDMENT, RADIATOR MOUNT LRG423.....	1				
13	6023	SCREW, HHC, 5/8-11 X 3.5.....	4				
14	6035	WASHER, FLAT, USS, 5/8", Y.....	4				
15	6024	NUT, NYLOCK, 5/8-11.....	4				
16	28076	ISOLATOR, VIBRATION, LG, RD&WH***.	4				
17	29883	SCREW, HHC, 5/8-11 X 1.75 GRD.8.....	3				
18	13064	WASHER, FLAT, .625 HARDENED....	3				
19	6090	SCREW, HHC, 1/4-20 X .75.....	8				
20	6356	WASHER, LOCK, .25.....	8				
21	6638	WASHER, FLAT, USS, 1/4"Y.....	10				
22	30679-S	WELDMENT, ENGINE MODULE PLATE.....	1				
23	45209	WEAR PAD, 4X2X.5 W/INSERT***....	4				
24	30143	BATTERY, 12V, 1000 CCA GRP 31.....	1				
25	30144	BATTERY HOLD DOWN, GROUP 31.....	1				
26	30784-975	THREADED ROD, (1/4-20), 9.75.....	2				
27	8170	NUT, WING, 1/4-20.....	2				
28	28234P-S	PLATE, ENGINE MOUNT, PAINTED.....	1				
29	27034	SCREW, HHC, M10 X 25MM, GR 8.8.....	7				
30	22700	WASHER, LOCK, M10.....	7				
31	33995	WELDMENT, FORD ENG MT, OUTBOARD.....	1				
32	6198	NUT, NYLOCK, 1/2-13.....	2				

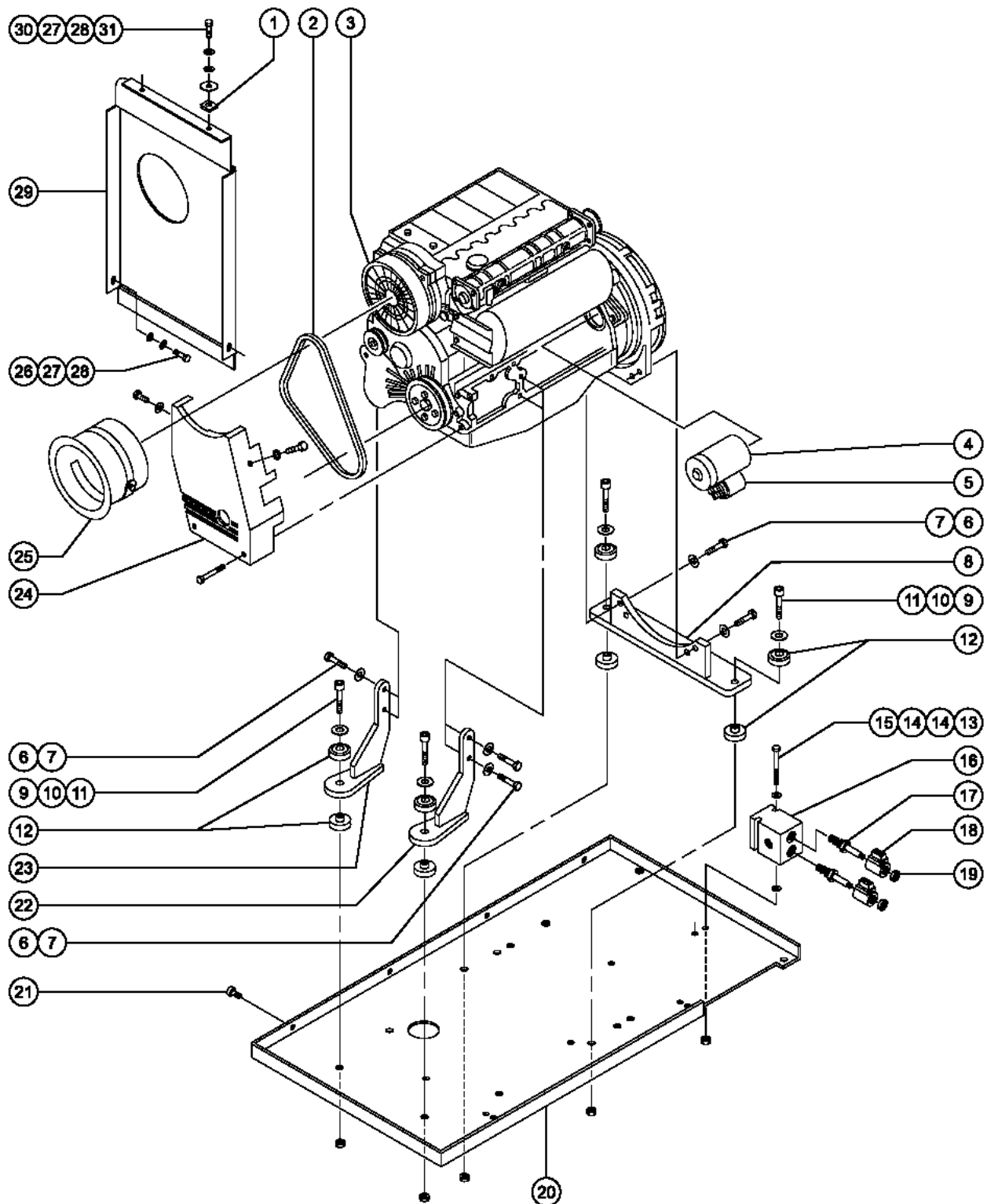
403.2 Ford LRG-425 EFI Engine - View 3 (from SN 3090)



403.2 Ford LRG-425 EFI Engine - View 3 (from SN 3090)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	77170	HOSE,LOWER RADIATOR,Z45.....1		35	122058	BATTERY CABLE,1/0 GA,BLK 30".....1	
2	13014	CLAMP,HOSE,2.25" DIA.....2		36	18189	BOOT,BATTERY TERMINAL,RED.....1	
3	33965	HOSE, UPPER RADIATOR.....1		37	30144	BATTERY HOLD DOWN,GROUP 31.....1	
4	45171	CLAMP,HOSE,1.75,LINED.....2		38	28234P-S	PLATE,ENGINE MOUNT,PAINTED.....1	
5	27943	CAP,RADIATOR,FORD***.....1		39	8170	NUT,WING,1/4-20.....2	
6	33969	RADIATOR,FORD,LRG.....1		40	6638	WASHER,FLAT,USS,1/4"Y.....2	
--	28717	VALVE,DRAIN,FORD,BLOCK,RAD.1		41	30784-975	THREADED ROD,(1/4-20),9.75.....2	
7	49610P	BAFFLE,AIR,FORD,PAINTED GRAY.....1		42	27034	SCREW,HHC,M10 X 25MM,GR 8.8.....7	
8	6708	SCREW,HHC,3/8-16 X 2.25.....2		43	22700	WASHER,LOCK,M10.....7	
9	6021	WASHER,LOCK,,375.....4		44	32339	CLAMP,1.75,#28 X 3/8,RUB CUSH*.....2	
10	5397	WASHER,FLAT,USS,5/16",Y.....4		45	53290-S	WELDMENT,RH,ENGINE MOUNT.....1	
11	6095	WASHER,FLAT,USS,1/2",Y.....4		46	6198	NUT,NYLOCK,1/2-13.....2	
12	29868	SPRING CLIP,3/8-16.....2		47	10598	SCREW,HHC,1/2-13 X 3.....2	
13	6175	SCREW,HHC,3/8-16 X 1.....2		48	73612	SCREW,PHM,10-24X.50,SELF TAP.....6	
14	53425-S	WELDMENT,RH,ENGINE MOUNT.....1		49	73613	WASHER,STAR,#10,PLTD.....6	
15	24038	SHOCK MOUNT,SMALL.....2		50	34942P-S	STRUT,RH,FORD RADIATOR,PAINT.....1	
16	34929-S	WELDMENT,RADIATOR MOUNT LRG423.....1		51	48498	ISOLATOR,AIR FILTER MOUNT....2	
17	48425	NUT,LOCKING-LRG.FLANGE,3/8-16.2		52	34927P-S	SHROUD,RADIATOR LRG 423 BLUE**.....1	
18	60790	BOLT,CARRIAGE,3/8-16 X1.50,G5.....2		53	34943P-S	MOUNT,RAD.SUPPT,LH,BLUE.....1	
19	8516	SCREW,HHC,3/8-16 X 1.50,GR5....4					
20	6097	WASHER,FLAT,USS,3/8",Y.....4					
21	4828	NUT,NYLOCK,3/8-16.....4					
22	53909	SCREW,HHC,5/8-11 X 4.0 GR8.....4					
23	33418	WASHER,FLAT,.625 X 2.25 X.15....4					
24	6024	NUT,NYLOCK,5/8-11.....4					
25	28076	ISOLATOR,VIBRATION,LG,RD&WH***.4					
26	29883	SCREW,HHC,5/8-11 X 1.75 GRD.8.....3					
27	13064	WASHER,FLAT,.625 HARDENED....3					
28	6036	WASHER,LOCK,.625 PLTD.....3					
29	6090	SCREW,HHC,1/4-20 X .75.....8					
30	6356	WASHER,LOCK,.25.....8					
31	30679-S	WELDMENT, ENGINE MODULE PLATE.....1					
32	45209	WEAR PAD,4X2X.5 W/INSERT***....4					
33	30143	BATTERY,12V,1000 CCA GRP 31.....1					
34	30891	BATT.CABLE,00,POS.,RED,50".....1					

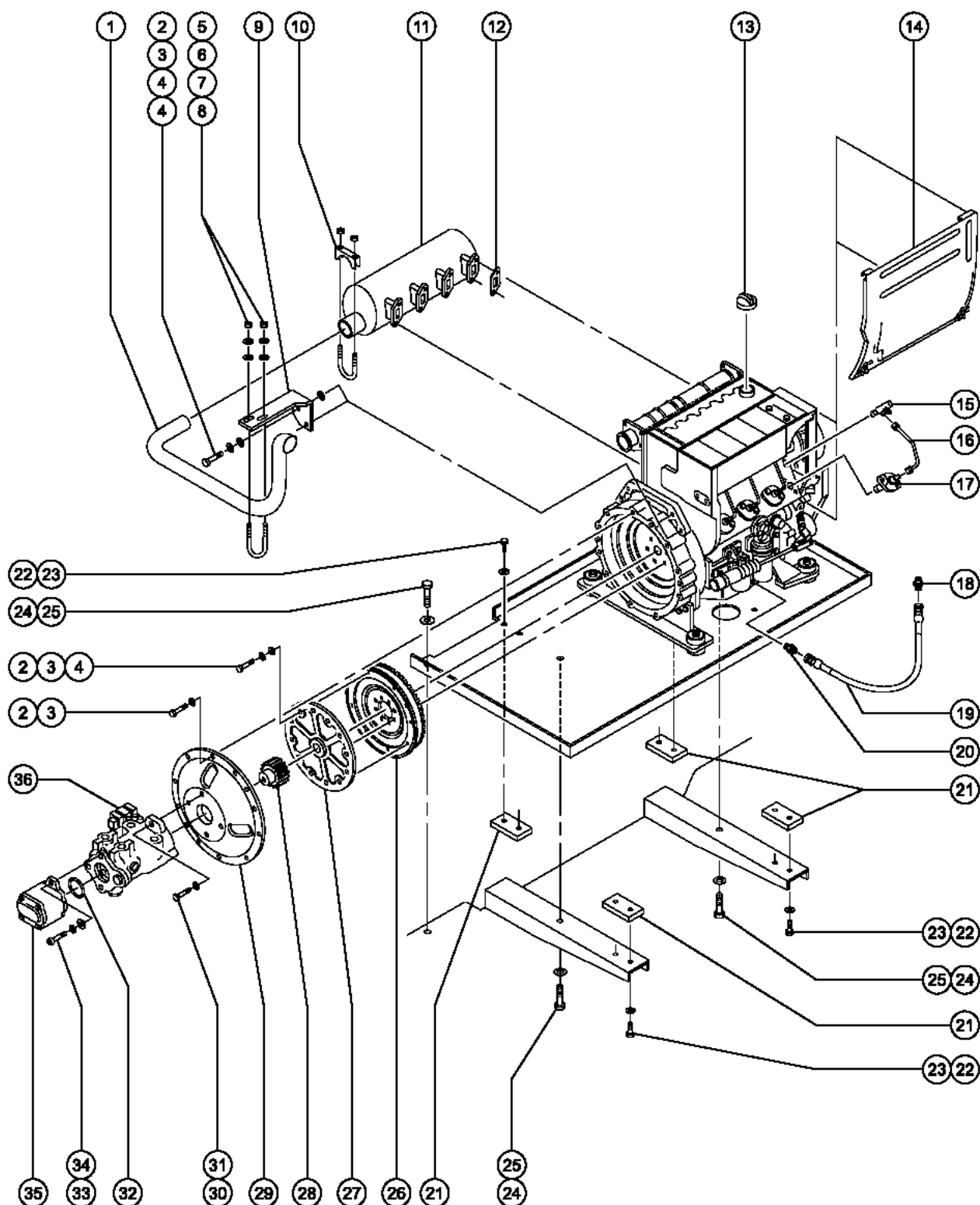
404.1 Deutz F4L 1011F Engine - View 1



404.1 Deutz F4L 1011F Engine - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	58274	ENGINE, DEUTZ D2011L03I (SERV) <i>F3L1011 AND F3L1011F Engines only</i>		28	5397	WASHER,FLAT,USS,5/16",Y.....	4
1	29868	SPRING CLIP,3/8-16.....	2	29	49609P	BAFFLE,AIR,DEUTZ,PAINTED.....	1
2	32698	BELT,V, DEUTZ DIESEL ENGINE....	1	30	6708	SCREW,HHC,3/8-16 X 2.25.....	2
3	35586	ALTERNATOR, DEUTZ F3L10/F4L10*.....	1	31	6095	WASHER,FLAT,USS,1/2",Y.....	2
4	139709	STARTER, 12V <i>9 tooth; inspect old starter before ordering (includes item 5)</i>					
4	37950	STARTER,DEUTZ,F4L1011F/F3L1011.1 <i>11 tooth; inspect old starter before ordering (includes item 5)</i>					
5	49915	SOLENOID-STARTR DEUTZF4L1011F*.....	1				
6	34265	SCREW,HHC,M14 X 55.....	8				
7	37505	WASHER,LOCK,M14.....	8				
8	29550	WELDMENT,DEUTZ ENGINE MOUNT.....	1				
9	53909	SCREW,HHC,5/8-11 X 4.0 GR8....	4				
10	33418	WASHER,FLAT,.625 X 2.25 X.15....	4				
11	6024	NUT,NYLOCK,5/8-11.....	4				
12	28076	ISOLATOR,VIBRATION,LG,RD&WH***	4				
13	6115	SCREW,HHC,1/4-20 X 3.5.....	2				
14	6638	WASHER,FLAT,USS,1/4"Y.....	4				
15	6889	NUT,LP NYLOCK,1/4-20.....	2				
16	42157	MANIFOLD,BRAKE/MOTOR SHIFT.....	1				
		<i>includes Index No's. 17 through 19</i>					
17	65766	VALVE,SOLENOID,10V W/DIODE***.....	2				
		<i>includes Index No's. 18 and 19</i>					
18	43601	COIL,SOLENOID,10V W/ DIODE....	2				
19	45912	NUT,SOLENOID,2POS 3WAY.....	2				
20	30679-S	WELDMENT, ENGINE MODULE PLATE.....	1				
21	34619	BUMPER,RUBBER***.....	1				
22	32748	WELMENT,DEUTZ ENGINE MOUNT.....	1				
23	32749	WELDMENT,DEUTZ ENGINE MOUNT.....	1				
24	29555	COVER,FRONT DEUTZ ENGINE....	1				
25	35498	GUIDE RING W/RUBBER LIP.....	1				
26	6175	SCREW,HHC,3/8-16 X 1.....	2				
27	6021	WASHER,LOCK,.375.....	4				

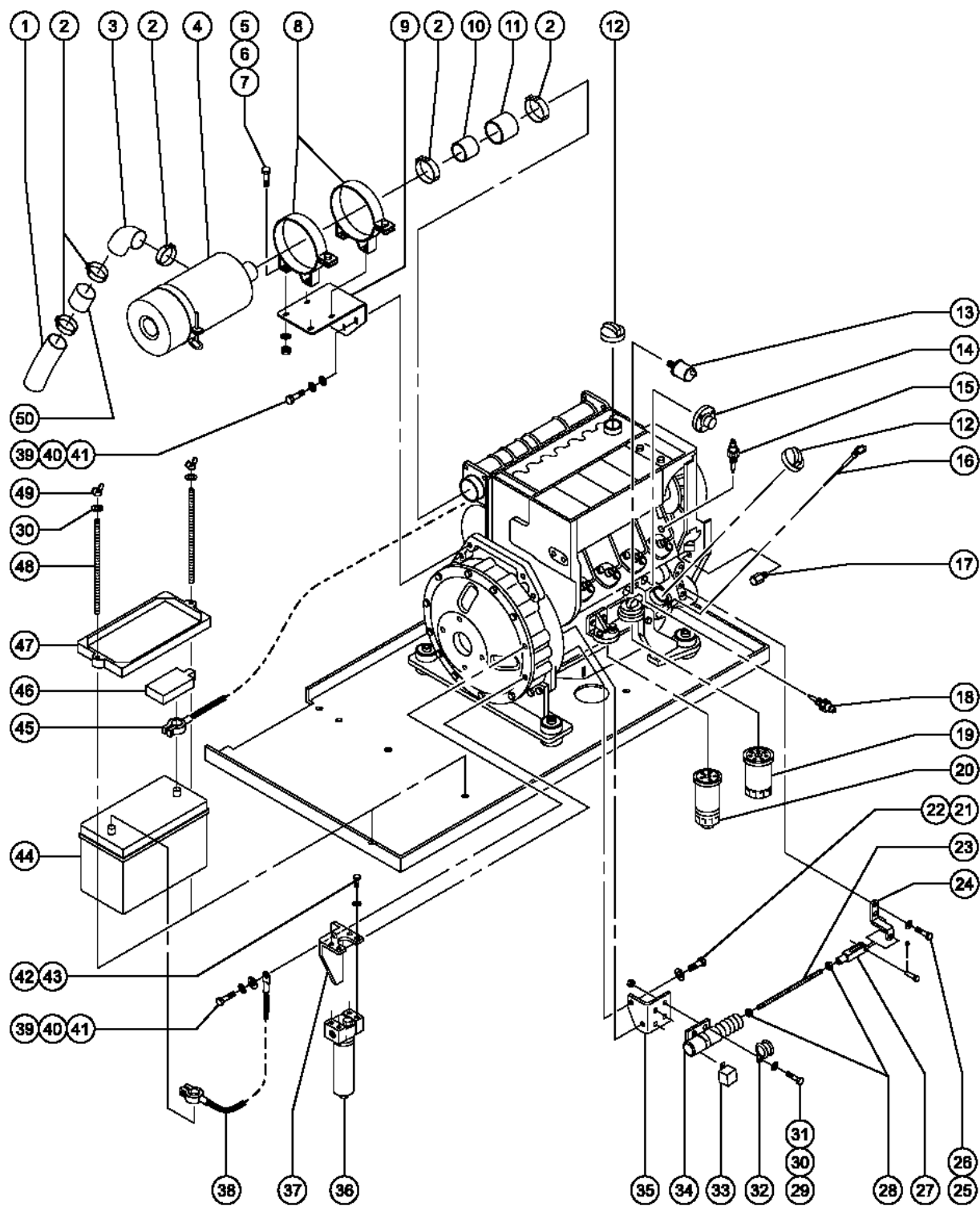
405.1 Deutz F4L 1011F Engine - View 2



405.1 Deutz F4L 1011F Engine - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	34551	EXHAUST, TAILPIPE, DEUTZ.....	1	27	33024	FLYWHEEL FLANGE, GREEN PLASTIC.....	1
2	44064	SCREW, HHC, M10 X 30MM,.....	26	28	37003	COUPLER, HUB, 15 TOOTH 7/16 BOLT*.....	1
3	22700	WASHER, LOCK, M10.....	26	29	30806	FLYWHEEL COVER, CASTING***.....	1
4	6097	WASHER, FLAT, USS, 3/8", Y.....	14	30	8177	SCREW, HHC, 1/2-13 X 1.5.....	2
5	6037	NUT, HEX, 5/16-18, GR5.....	2	31	6033	WASHER, LOCK, 0.5".....	2
6	6886	WASHER, LOCK, .313.....	2	32	29436	O-RING***.....	1
7	5397	WASHER, FLAT, USS, 5/16", Y.....	2	33	33988	SCREW, SHC, 3/8-16 X 1.....	2
8	16584	U-BOLT, KIT 5/16-18 X 2.5..... <i>includes Index No. 5</i>	1	34	66021	Washer - Lock, 3/8 inch (0.382 x 0.683 x 0.094 inch) (0.97 x 1.73 x 0.24 cm).....	27
9	27329P-S	BRACKET, EXHAUST SUPPORT, PAINTD.....	1	35	31249	SEAL KIT, LIFT PUMP**..... <i>to SN 6053</i>	1
10	30438	CLAMP, MUFFLER, 2 1/4" ID.....	2	35	53959	PUMP, LIFT 1.403 C.I.***.....	1
11	29558	MUFFLER**.....	1	--	58228	SEAL KIT***..... <i>from SN 6054</i>	1
12	29559	GASKET, EXHAUST.....	4	36	37027	PUMP, VAR PISTON, 2.8 C.I.***.....	1
13	29557	CAP, OIL FILLER, DEUTZ, DIESEL***.....	1	--	22965	EDC ASSY, SAUER, M46***.....	1
14	49916	COVER - DEUTZ F4L1011F.....	1	--	27067	SEAL, SHAFT-SUNDSTRAND***.....	1
15	49919	INJECTOR - DEUTZ F4L1011F.....	4	--	29739	SEAL KIT, SAUER-DANFOSS M46***.....	1
16	49921	FUEL LINE INJ. DEUTZ F4L1011F.....	1	--	32611	SHAFT, M46 15 TOOTH.....	1
17	49929	INJECTOR PUMP - DEUTZ F4L1011F.....	1	--	65843	SEAL, LINK KIT***.....	1
18	109802	PLUG, STEEL SOCKET, SAE090109B-6.....	1				
19	49131-3300	HOSE ASSEMBLY 3/8".....	1				
20	49209	FITTING, M18X8, F87OMX.....	1				
21	45209	WEAR PAD, 4X2X.5 W/INSERT***.....	4				
22	6090	SCREW, HHC, 1/4-20 X .75.....	8				
23	6356	WASHER, LOCK, .25.....	8				
24	29883	SCREW, HHC, 5/8-11 X 1.75 GRD.8.....	3				
25	6036	WASHER, LOCK, .625 PLTD.....	3				
26	49917	RING GEAR, DEUTZ F3 & F4L1011F..... <i>(please verify ring gear thickness) 0.46 inches</i>	1				
--	33729	RING GEAR, DEUTZ F3 & F4L1011..... <i>(please verify ring gear thickness) 0.365 inches</i>	1				
--	89785	RING GEAR, DEUTZ F3L2011F..... <i>(please verify ring gear thickness) 0.6 inches</i>	1				

406.1 Deutz F4L 1011F Engine - View 3



406.1 Deutz F4L 1011F Engine - View 3

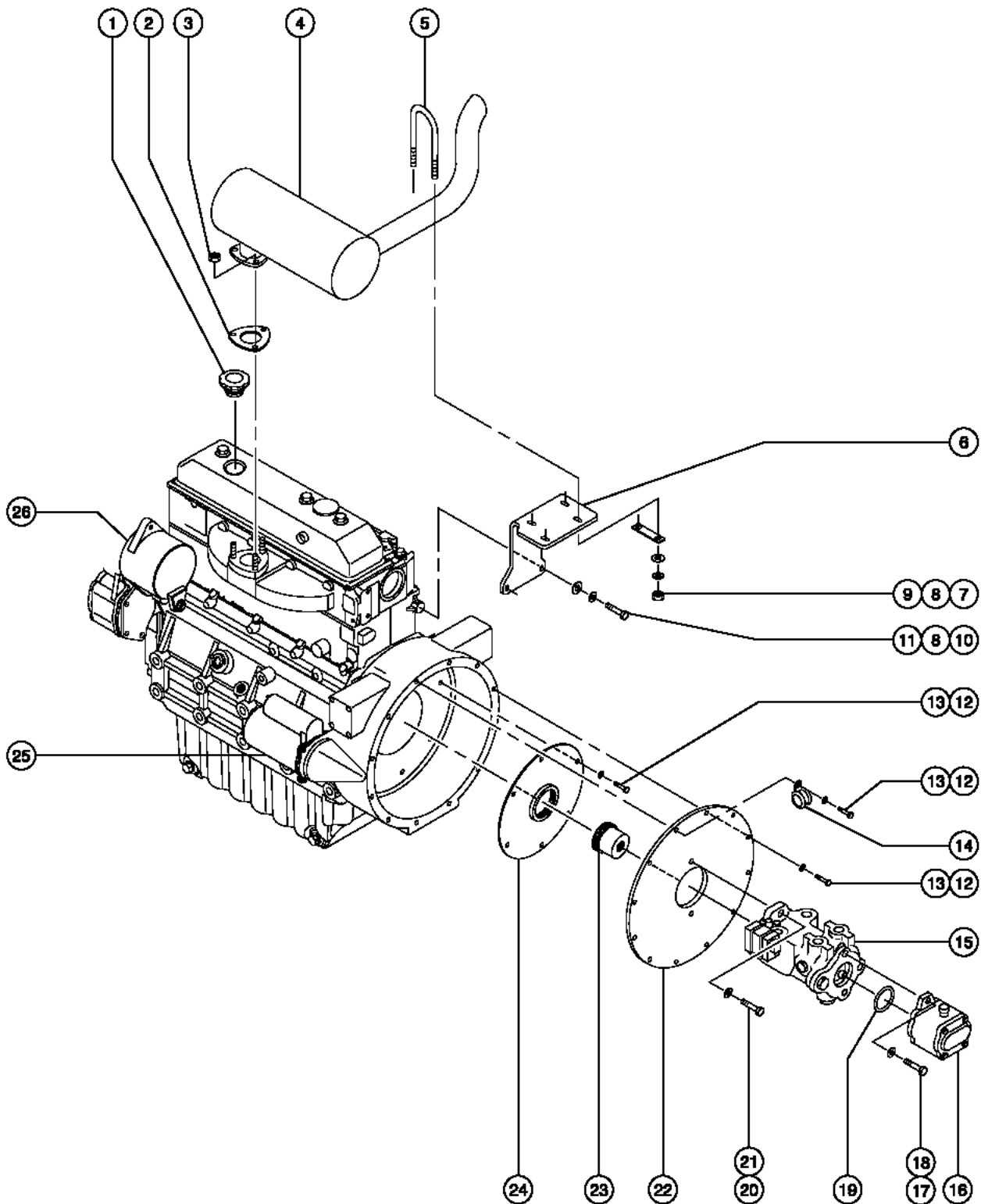
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	34162-3150	HOSE,AIR INTAKE 2.5" I.D.....	1	--	45782	DIODE,6 AMP,200 PIV,BULK	
2	53945	CLAMP,HOSE 2 5/16-3 1/4.....	5	--	58256	SOLENOID CABLE ASSY***	
3	34164	ELBOW,90 DEGR,RUBBER,2.5" I.D.*.....	1	--	72255	CONNECTOR, DEUTZ FUEL SHUTOFF* <i>(does not include diode, 45782)</i>	
--	65815	CLAMP, AIR CLEANER (27915)**.....	1	18	139624	SWITCH, OIL PRESSURE 1.5 BAR.....	1
4A	27915	AIR CLEANER..... <i>does not include mounting bands</i>	1	--	139666	KIT,OP SWITCH,DEUTZ <i>(oil pressure kit for models with ALC-500 control system. replaces 65765. includes item 6 and instructions)</i>	
--	27916	FILTER,AIR,ELEMENT***.....	1	19	49924	FILTER,OIL,DEUTZ F4L1011F.....	1
--	52658	NUT - WING, AIR FILTER, 425EFI.....	1			<i>Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.</i>	
--	58917	END CAP,AIR FILTER-27915&49740.....	1	--	1255653	FILTER,OIL,DEUTZ,REPLACEMENT.1 <i>Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.</i>	
--	65810	BAFFLE, AIR CLEANER (27915)**.....	1	20	29560	FILTER,FUEL/WTR SEP, DTZ 1008.....	1
4B	63463	AIR CLEANER,NELSON***.....	1			<i>Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.</i>	
--	53952	BRKT,AIR CLEANER ORIENTATION**.....	2	--	1254826	FUEL FILTER W/SEP,DEUTZ,1008.....	1
--	58415	CLIP,AIR CLEANER END CAP***				<i>Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.</i>	
--	62420	FILTER,AIR***.....	1	21	23057	SCREW,HHC,M8 X 20MM.....	2
--	65810	BAFFLE, AIR CLEANER (27915)**		22	49408	WASHER,LOCK,M8.....	2
5	13002	SCREW,HHC,5/16-18 X 1 GR5.....	4	23	30785-1000	THREADED ROD,1/4-28 X 10 IN***.....	1
6	5397	WASHER,FLAT,USS,5/16",Y.....	4	24	33240P-S	BRACKET,ACTUATOR ARM MTG,PTD.....	1
7	6002	NUT,LP NYLOCK,5/16-18.....	4	25	22578	SCREW,HHC,M6 X 20MM,GR8.8....	2
8	53952	BRKT,AIR CLEANER ORIENTATION**.....	2	26	49407	WASHER,LOCK,M6.....	2
9	30769P-S	BRACKET,AIR CLEANER MTG.PAINT.....	1	27	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....	1
10	30966	HOSE,AIR INTAKE 2.25" I.D.....	1	28	21496	NUT,HEX,1/4-28.....	2
11	30967	HOSE,AIR INTAKE 2.75" I.D.***.....	1	29	6090	SCREW,HHC,1/4-20 X .75.....	4
12	29557	CAP,OIL FILLER,DEUTZ,DIESEL***.....	2	30	6638	WASHER,FLAT,USS,1/4"Y.....	6
13	37033	SENDING UNIT,OIL PRESS.,DEUTZ*..... <i>single-terminal sender</i>	1	31	6889	NUT,LP NYLOCK,1/4-20.....	4
14	49923	PUMP, FUEL LIFT, F4L1011F.....	1	32	6833	CLAMP,0.50,#8 X 1/4,RUB CUSH....	2
15	34059	SENDING UNIT,OIL TEMP.....	1	33	60521	RELAY,SEALED 30/40 AMP.....	1
16	49922	DIPSTICK - DEUTZ F4L1011F.....	1			<i>from SN 7453</i>	
17	T114678	SHUTDOWN SOLENOID,12V, DEUTZ..... <i>(replaced 32752) (must order cable assembly, 58256, if replacing 32752) (does not include o-ring)</i>	1				

406.1 Deutz F4L 1011F Engine - View 3 (continued)

Item	Part No.	Description	Qty.
--	73993	HARNESS,RPM SOLENOID RELAY***.....	1
34	29073	SOLENOID,THROTTLE,.....	1
--	52537	BOOT,SOLENOID,29073.....	1
35	33241P-S	BRACKET,SOLENOID MTG,PAINTED.....	1
36	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....	1
--	20880	FILTER ELEMENT-10 MIC.***..... <i>component of filter assy p/n 20879 (no longer sold)</i>	1
--	60857	FILTER,ELEMENT,BETA(5)=1000.... <i>for 77139</i>	1
37	30230P-S	FILTER MOUNT BRACKET.....	1
38	122058	BATTERY CABLE,1/0 GA,BLK 30".....	1
39	44064	SCREW,HHC,M10 X 30MM,.....	4
40	22700	WASHER,LOCK,M10.....	4
41	6097	WASHER,FLAT,USS,3/8",Y.....	3
42	8914	SCREW,HHC,1/4-20 X .625.....	4
43	6356	WASHER,LOCK,.25.....	4
44	30143	BATTERY,12V,1000 CCA GRP 31.....	1
45	30891	BATT.CABLE,00,POS.,RED,50".....	1
46	18189	BOOT,BATTERY TERMINAL,RED.....	1
47	30144	BATTERY HOLD DOWN,GROUP 31.....	1
48	30784-975	THREADED ROD,(1/4-20),9.75.....	2
49	8170	NUT,WING,1/4-20.....	2
50	35067	TUBE,RD,ALUM 2.5 X .083.....	1

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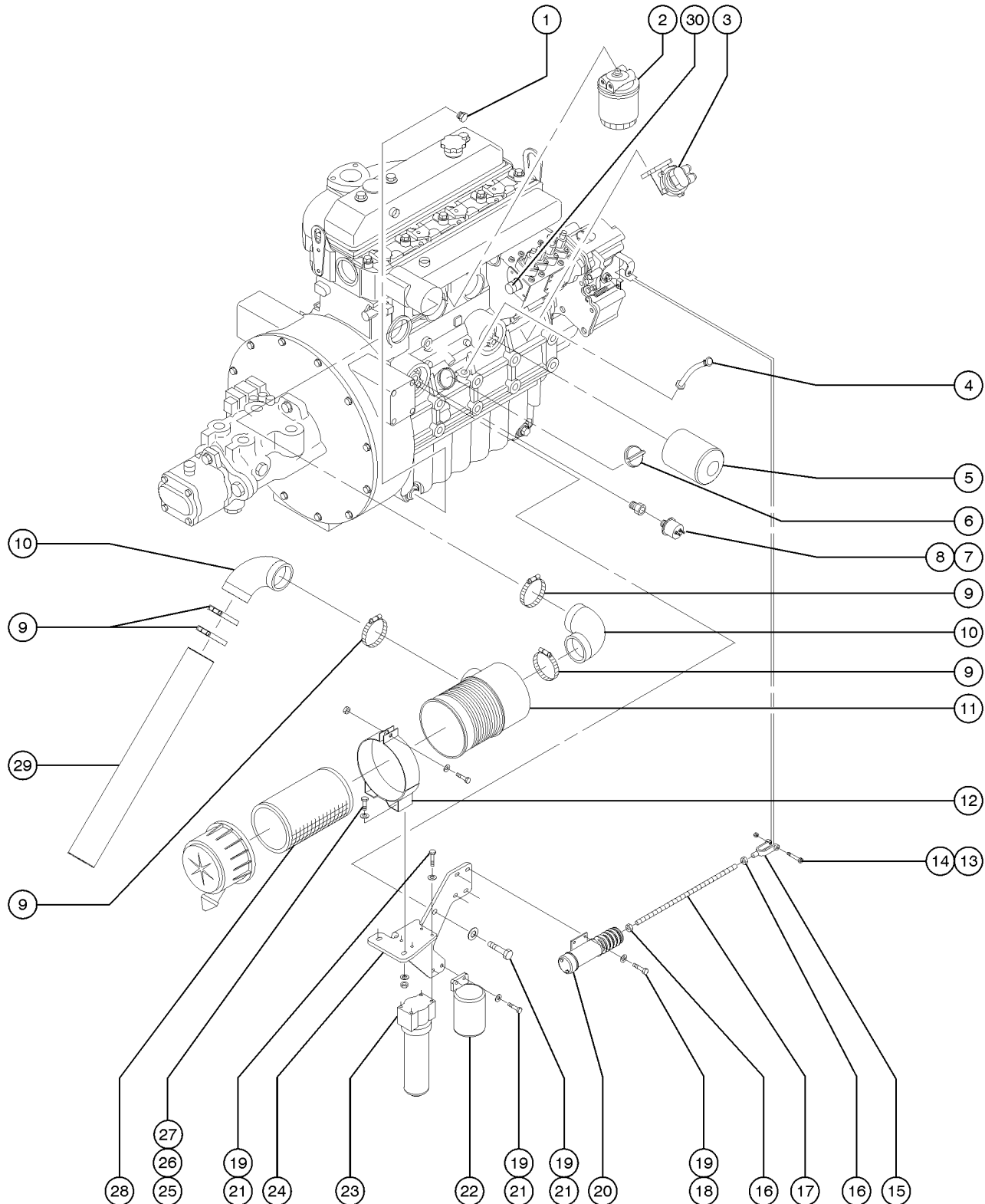
407.1 Perkins 704-30 Engine - View 1



407.1 Perkins 704-30 Engine - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	65499	CAP, SIDE OIL FILL, PERKINS.....	1	25	65495	STARTER MOTOR, PERKINS (53883).....	1
2	65503	GASKET,MUFFLER PERKINS(53883).....	1	26	65487	ALTERNATOR, PERKINS (53883).....	1
3	65504	NUT,MUFFLER PERKINS 10MM.....	3				
4	63313	MUFFLER, PERKINS.....	1				
5	16584	U-BOLT, KIT 5/16-18 X 2.5..... <i>includes Index No. 7</i>	2				
6	63326P	MUFFLER BRACKET, PAINTED.....	1				
7	6037	NUT,HEX,5/16-18,GR5.....	4				
8	6886	WASHER,LOCK,,313.....	6				
9	5397	WASHER,FLAT,USS,5/16",Y.....	4				
10	23057	SCREW,HHC,M8 X 20MM.....	2				
11	6638	WASHER,FLAT,USS,1/4"Y.....	2				
12	44064	SCREW,HHC,M10 X 30MM,.....	26				
13	22700	WASHER,LOCK,M10.....	26				
14	45454	CLAMP,RUB CUSH,0.75,#12 X 3/8*.....	1				
15	37027	PUMP,VAR PISTON,2.8 C.I.**	1				
--	22965	EDC ASSY,SAUER,M46**	1				
--	27067	SEAL,SHAFT-SUNDSTRAND**	1				
--	29739	SEAL KIT,SAUER-DANFOSS M46**	1				
--	32611	SHAFT,M46 15 TOOTH.....	1				
--	65843	SEAL,LINK KIT**	1				
16	53959	PUMP,LIFT 1.403 C.I.**	1				
--	31249	SEAL KIT,LIFT PUMP** <i>to SN 6053</i>	1				
--	58228	SEAL KIT** <i>from SN 6054</i>	1				
17	6175	SCREW,HHC,3/8-16 X 1.....	10				
18	6097	WASHER,FLAT,USS,3/8",Y.....	2				
19	29436	O-RING**	1				
20	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2				
21	6033	WASHER,LOCK,0.5".....	2				
22	63464P	PLATE, PUMP MOUNT, PAINTED**	1				
23	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....	1				
24	33024	FLYWHEEL FLANGE,GREEN PLASTIC.....	1				
--	65538	FLYWHEEL (PERKINS KR70481U)					

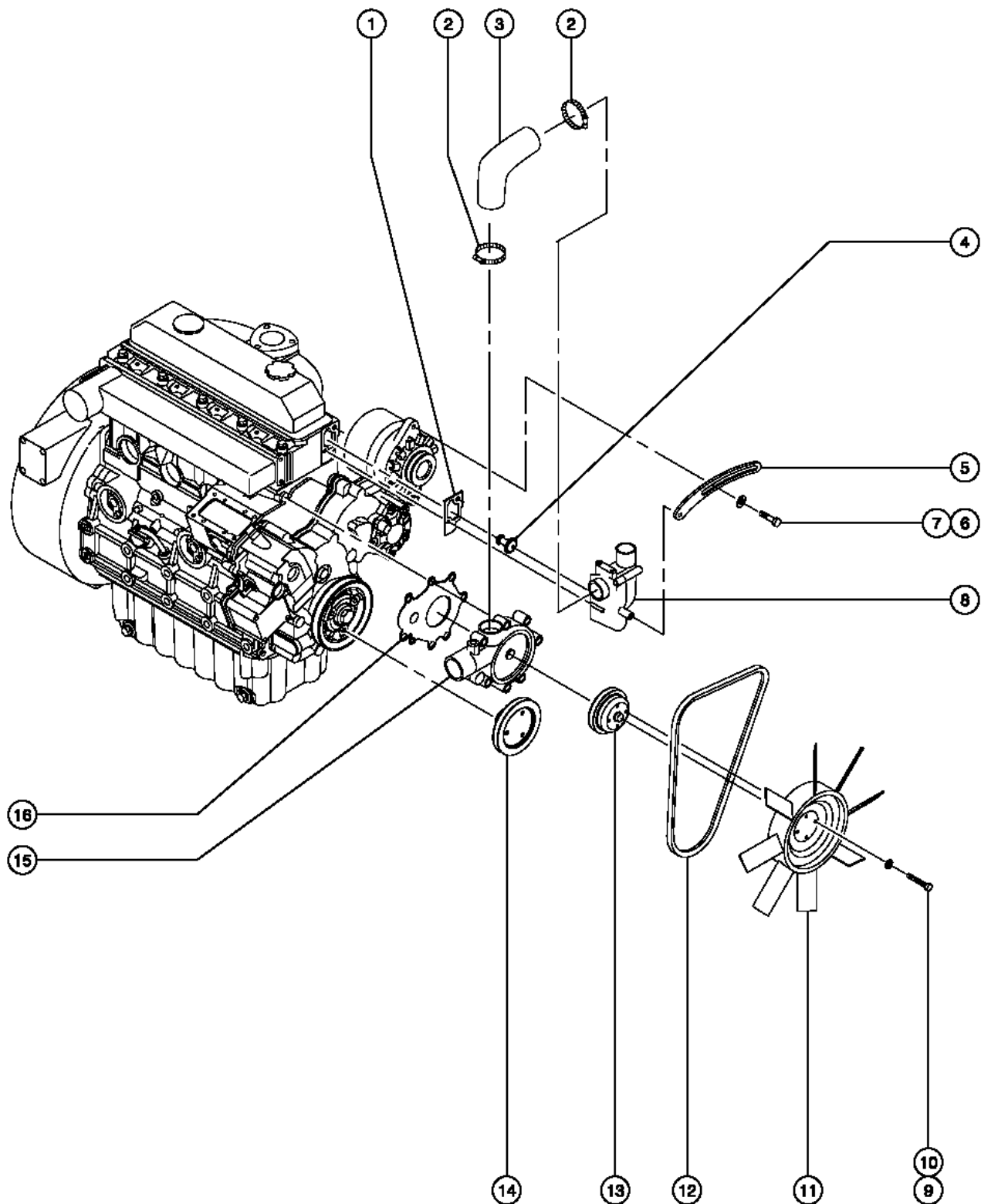
408.1 Perkins 704-30 Engine - View 2



408.1 Perkins 704-30 Engine - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	109802	PLUG,STEEL SOCKET,SAE090109B-6.....	1	23	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....	1
2	62421	FILTER,FUEL,PERKINS.....	1	--	20880	FILTER ELEMENT-10 MIC.*** <i>component of filter assy p/n 20879 (no longer sold)</i>	1
3	65500	PUMP, LIFT INLET PORT (53883).....	1	--	60857	FILTER,ELEMENT,BETA(5)=1000.... <i>for 77139</i>	1
--	65501	FITTINGS, LIFT PUMP INLET PORT.....	1	24	63399P	AIR CLEANER BRACKET, PAINTED.....	1
--	73436	SLEEVE,COMPRESSION 1/4".....	1	25	48498	ISOLATOR,AIR FILTER MOUNT..... <i>to SN 2958</i>	2
--	73437	NUT,COMPRESSION 1/4".....	1	--	13002	SCREW,HHC,5/16-18 X 1 GR5..... <i>from SN 2959</i>	2
--	73438	ADPT,HOSE BARB/STAND PIPE 1/4".....	1	26	5397	WASHER,FLAT,USS,5/16",Y.....	4
4	65497	DIPSTICK (53883).....	1	27	18503	NUT,LOCKING-LG.FLANGE,5/16-18.4 <i>to SN 2958</i>	4
5	62422	FILTER,OIL,PERKINS 704-30 (BB).....	1	--	6782	NUT,NYLOCK,5/16-18..... <i>from SN 2959</i>	2
6	65498	CAP,OIL FILLER, PERKINS.....	1	28	62420	FILTER,AIR***.....	1
7	53951	ADPTR,ST. THR 3/4-16 FEM PIPE.....	1	29	34162-3150	HOSE,AIR INTAKE 2.5" I.D.....	1
8	30810	SENDING UNIT,OIL PRESSURE*** <i>dual-terminal sender</i>	1	30	72265	SOLENOID,SHUTDOWN,PERKINS ****.....	1
9	30971	CLAMP,HOSE,3.00".....	5				
10	34164	ELBOW,90 DEGR,RUBBER,2.5" I.D.*.....	2				
11	63463	AIR CLEANER,NELSON***.....	1				
12	53952	BRKT,AIR CLEANER ORIENTATION** <i>includes mounting fasteners</i>	1				
13	6584	SCREW,SHS,10-24 X .625.....	1				
14	5365	NUT,NYLOCK,10-24.....	1				
15	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....	1				
16	21496	NUT,HEX,1/4-28.....	2				
17	30785-1000	THREADED ROD,1/4-28 X 10 IN***.....	1				
18	6888	SCREW,HHC,1/4-20 X 1.....	4				
19	6638	WASHER,FLAT,USS,1/4"Y.....	11				
20	29073	SOLENOID,THROTTLE,.....	1				
--	52537	BOOT,SOLENOID,29073.....	1				
21	6090	SCREW,HHC,1/4-20 X .75.....	7				
22	42766	SEPARATOR/FILTER,FUEL DIESEL.....	1				
--	42767	SEPARATOR/FILTER ELEMENT,FUEL*.....	1				

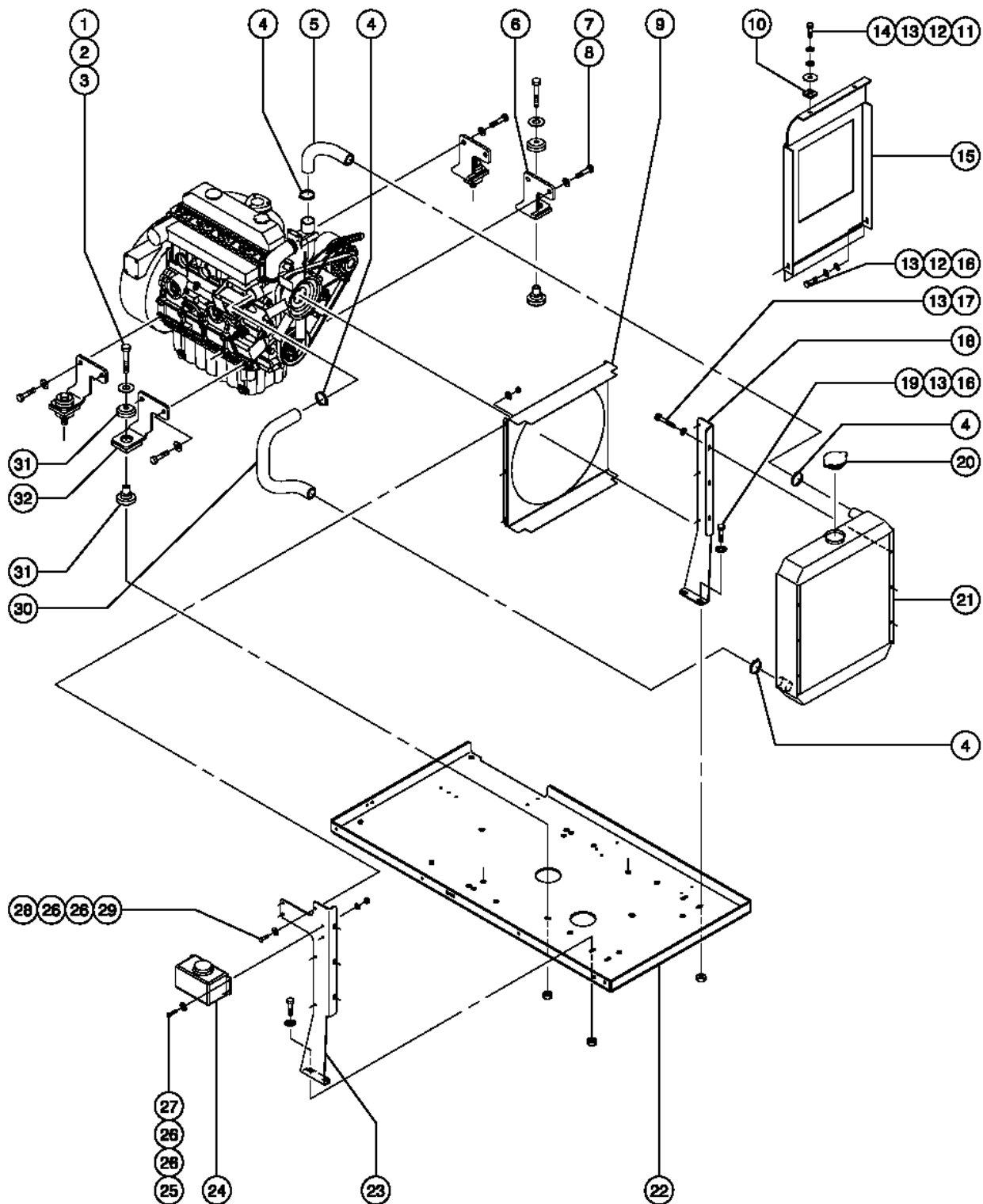
409.1 Perkins 704-30 Engine - View 3



409.1 Perkins 704-30 Engine - View 3

Item	Part No.	Description	Qty.
1	65505	GASKET, THERMOSTAT (53883).....	1
2	65506	CLAMP, HOSE (53883).....	2
3	65507	HOSE, WATER PUMP (53383).....	1
4	65493	THERMOSTAT, PERKINS (53883).....	1
5	65488	LEVER ALTERNATOR, (53883).....	1
6	49381	SCREW,HHC,M12 X 30.....	2
7	65355	WASHER,LOCK,M12.....	2
8	65494	HOUSING,THERMOSTAT (53883).....	1
9	67349	SCREW,HHC,M8 X 50.....	4
10	49408	WASHER,LOCK,M8.....	4
11	65490	FAN, PERKINS (53883).....	1
12	62423	BELT,V KIT, PERKINS 704-30.....	1
13	77482	PULLEY, WATER PUMP.....	1
14	65496	PULLEY,CRANKSHAFT (53883).....	1
15	65491	WATER PUMP, PERKINS (53883).....	1
16	65492	GASKET,TIMMING CASE COVER.....	1

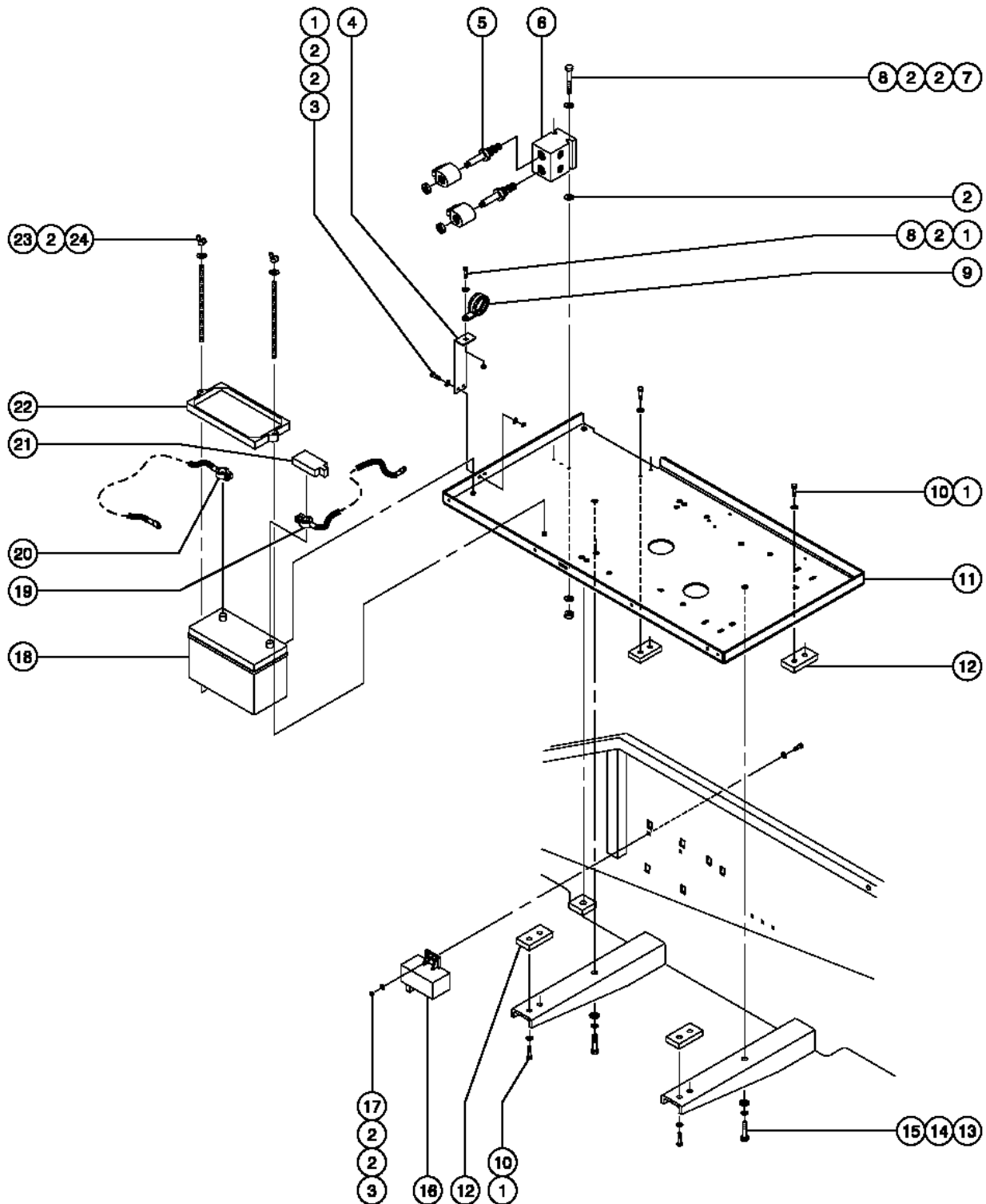
410.1 Perkins 704-30 Engine - View 4



410.1 Perkins 704-30 Engine - View 4

Item	Part No.	Description	Qty.
1	53909	SCREW,HHC,5/8-11 X 4.0 GR8.....	4
2	33418	WASHER,FLAT,.625 X 2.25 X.15.....	4
3	6024	NUT,NYLOCK,5/8-11.....	4
4	13014	CLAMP,HOSE,2.25" DIA.....	4
5	63413	RADIATOR HOSE, UPPER.....	1
6	63418	WELDMENT,ENGINE MOUNT,INBOARD.....	2
7	49384	SCREW,HHC,M14 X 30.....	4
8	37505	WASHER,LOCK,M14.....	4
9	63364P	FAN SHROUD, PAINTED.....	1
10	29868	SPRING CLIP,3/8-16.....	2
11	6708	SCREW,HHC,3/8-16 X 2.25.....	2
12	6021	WASHER,LOCK,.375.....	4
13	5397	WASHER,FLAT,USS,5/16",Y.....	14
14	6095	WASHER,FLAT,USS,1/2",Y.....	4
15	63401P	BAFFLE,PERKINS,S60/80,PAINTED*	1
16	6175	SCREW,HHC,3/8-16 X 1.....	6
17	13002	SCREW,HHC,5/16-18 X 1 GR5.....	6
18	63362P	RADIATOR MOUNT, LH, PAINTED.....	1
19	7713	NUT,LP NYLOCK,3/8-16.....	6
20	65473	CAP,RADIATOR,PERKINS/FORD....	1
21	63462	RADIATOR,PERKINS,GM.....	1
22	30679-S	WELDMENT, ENGINE MODULE PLATE.....	1
23	63363P	RADIATOR MOUNT, RH PAINTED.....	1
24	54071	COOLANT RETURN SYSTEM,Z45***.....	1
--	72327	CAP, COOLANT RET SYS(54071).....	1
25	6090	SCREW,HHC,1/4-20 X .75.....	4
26	6638	WASHER,FLAT,USS,1/4"Y.....	22
27	6889	NUT,LP NYLOCK,1/4-20.....	4
28	6888	SCREW,HHC,1/4-20 X 1.....	6
29	6091	NUT,NYLOCK,1/4-20.....	6
30	63414	RADIATOR HOSE, LOWER.....	1
31	28076	ISOLATOR,VIBRATION,LG,RD&WH***	4
32	63419	WELDMENT,ENGINE MOUNT,OUTBOARD.....	2

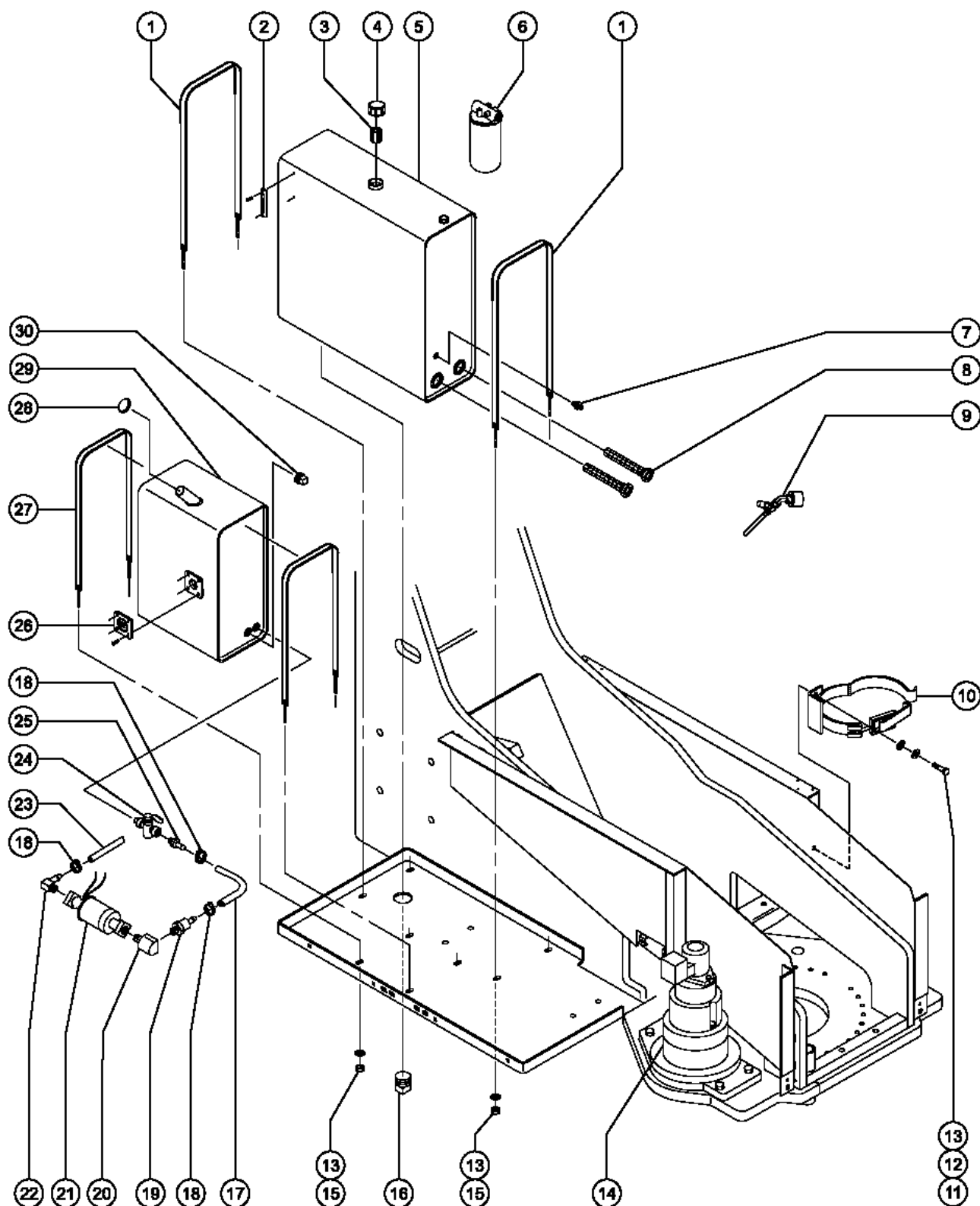
411.1 Perkins 704-30 Engine - View 5



411.1 Perkins 704-30 Engine - View 5

Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....	11
2	6638	WASHER,FLAT,USS,1/4"Y.....	13
3	6091	NUT,NYLOCK,1/4-20.....	3
4	63457P	AIR INTAKE BRACKET, PAINTED.....	1
5	65766	VALVE,SOLENOID,10V W/DIODE***.....	2
--	45912	NUT,SOLENOID,2POS 3WAY.....	2
--	81043	COIL,SOLENOID,8 DSD 10V,W/DIO.....	2
6	42157	MANIFOLD,BRAKE/MOTOR SHIFT.....	1
		<i>includes Index No. 5; to SN 7500</i>	
--	81024	MANIFOLD,BRAKE/2 SPD.....	1
		<i>includes Index No. 5; from SN 7501</i>	
7	6115	SCREW,HHC,1/4-20 X 3.5.....	2
8	6889	NUT,LP NYLOCK,1/4-20.....	3
9	45455	CLAMP,2.75,#44 X 1/4,RUB CUSH*.....	1
10	6356	WASHER,LOCK,.25.....	8
11	30679-S	WELDMENT, ENGINE MODULE PLATE.....	1
12	45209	WEAR PAD,4X2X.5 W/INSERT***....	4
13	21175	SCREW,SHC,5/8-11 X 4,A574.....	2
14	6036	WASHER,LOCK,.625 PLTD.....	4
15	33418	WASHER,FLAT,.625 X 2.25 X.15....	4
16		CONTROLLER,GLOW PLUG (53883).....	1
		<i>component no longer available</i>	
17	6888	SCREW,HHC,1/4-20 X 1.....	1
18	30143	BATTERY,12V,1000 CCA GRP 31.....	1
19	30891	BATT.CABLE,00,POS.,RED,50".....	1
20	122058	BATTERY CABLE,1/0 GA,BLK 30".....	1
21	18189	BOOT,BATTERY TERMINAL,RED.....	1
22	30144	BATTERY HOLD DOWN,GROUP 31.....	1
23	8170	NUT,WING,1/4-20.....	2
24	30784-975	THREADED ROD,(1/4-20),9.75.....	2

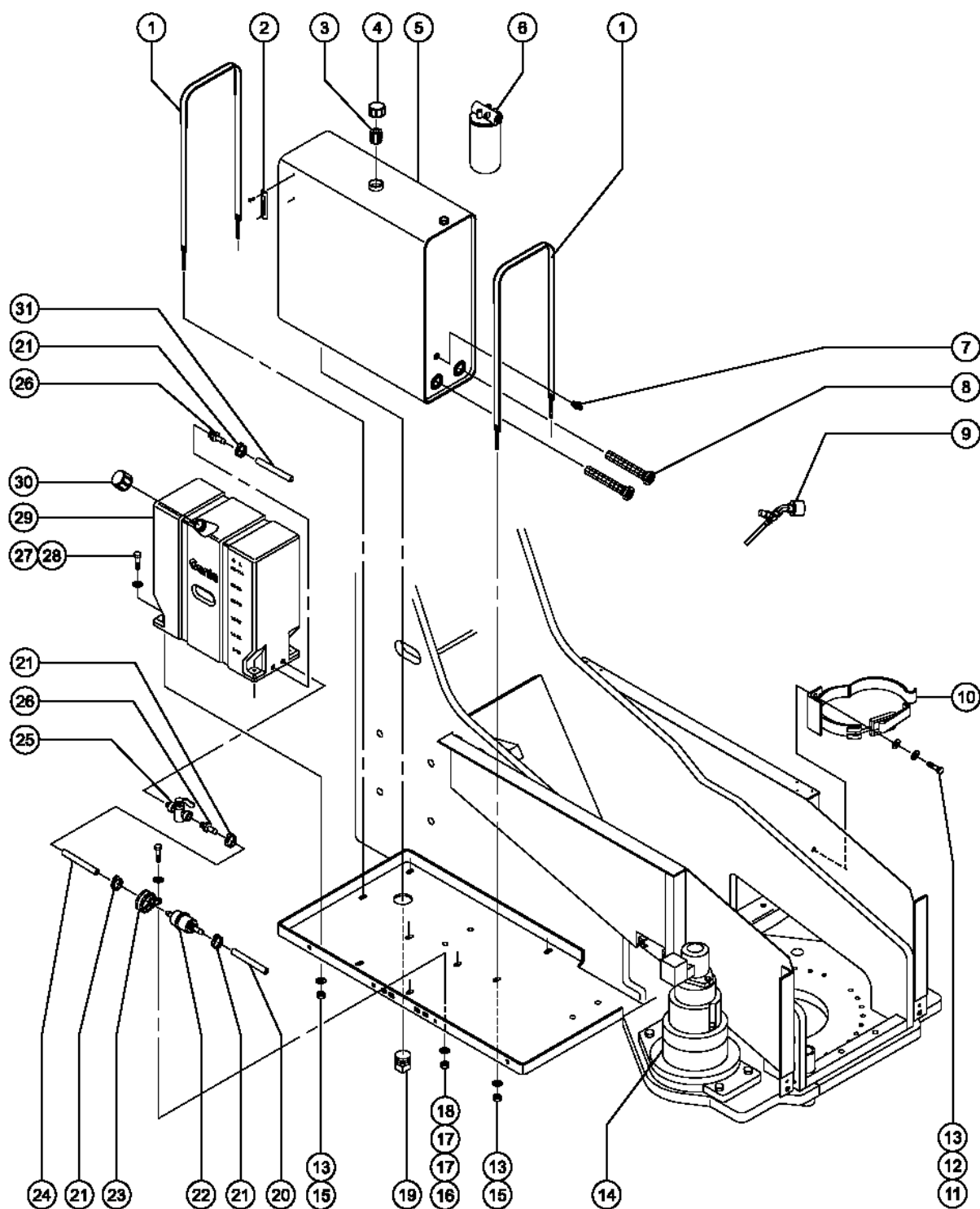
501.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with metal fuel tank)



501.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with metal fuel tank)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	31524	STRAP ASSY,TANK, 66 INCH.....	2	27	30179	TANK STRAP,BOLT STYLE,62".....	2
2	21141	GAUGE-SIGHT,LHA-LGTB***.....	1	28	28829	CAP,FUEL,RED***.....	1
3	31506	STRAINER,FILLER NECK.....	1	29	30546P-S	TANK,30 GALLON,PAINTED**.....	1
4	53527	CAP,FILLER BREATHER,3 MICRON**.....	1	30	18218	PLUG,PIPE,HEX HEAD,STL,1/4NPT.....	1
5	53353	TANK,HYDRAULIC,45 GALLON***.....	1			<i>includes Index No. 30</i>	
6	48470	FILTER ASSEMBLY W/IND L,PAPER.....	1				
--	46014	FILTER,ELEMENT,BETA(6)=200.....	1				
7	48922	CONN,520102-6-6.....	1				
8	45161	STRAINER ASSEMBLY,1.5" NPT.....	2				
9	25967	HOSE ASSEMBLY,LP GAS-86" LNG**.....	1				
		<i>Gasoline/LPG models</i>					
10	53120-S	LP.TANK BRACKET TALL WLD MNT.....	1				
		<i>Gasoline/LPG models</i>					
11	6175	SCREW,HHC,3/8-16 X 1.....	2				
12	6021	WASHER,LOCK,.375.....	2				
13	5397	WASHER,FLAT,USS,5/16",Y.....	10				
14		Ref. Turntable Rotator.....	10				
		<i>refer to section 507.1</i>					
15	4828	NUT,NYLOCK,3/8-16.....	8				
16	31507	PLUG,SQUARE HEAD,3/4 MPT.....	1				
17	27089	HOSE,5/16 FUEL,SAE 30R7.....	7-inches				
18	21465	CLAMP,HOSE,SIZE .25 TO .63.....	3				
19	28662	FILTER,FUEL,LRG-423,SCREW-IN.1					
20	22585	ELBOW,130239-2-2.....	1				
21	46164	FUEL PUMP KIT,FORD LRG 423***.....	1				
--	46164	FUEL PUMP KIT,FORD LRG 423***.....	1				
		<i>includes Index No.s 19, 20 and 22</i>					
22	38922	ELBOW,90DEG.1/8MPT-5/16 BARB.....	1				
23	27089	HOSE,5/16 FUEL,SAE 30R7.....	75-inches				
24	19487	VALVE,FUEL LOCK.....	1				
25	27586	HOSE END,MALE,.313 X .25 MPT.....	1				
26	30584	GAUGE,FUEL,SIDE MOUNT.....	1				

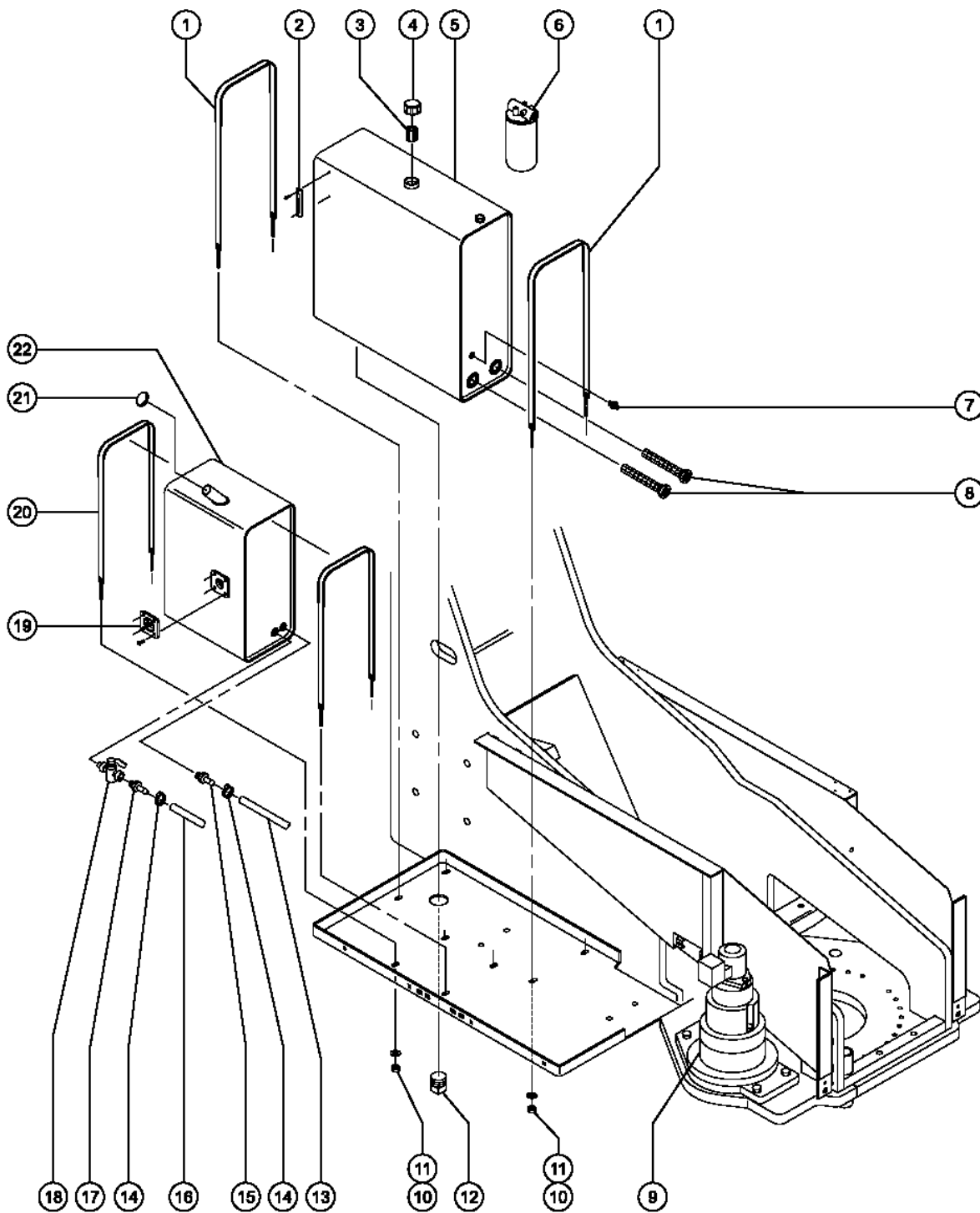
502.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with plastic fuel tank)



502.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with plastic fuel tank)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	31524	STRAP ASSY,TANK, 66 INCH.....	2	30	101727	CAP,FUEL,GAS,1/8"VENT(RED).....	1
2	21141	GAUGE-SIGHT,LHA-LGTB***.....	1	31	27089	HOSE,5/16 FUEL,SAE	
3	31506	STRAINER,FILLER NECK.....	1			30R7.....	79-inches
4	53527	CAP,FILLER BREATHER,3 MICRON**.....	1				
5	53353	TANK,HYDRAULIC,45 GALLON***.....	1				
		<i>includes Index No's. 2, 8 and 19</i>					
6	48470	FILTER ASSEMBLY W/IND L,PAPER.....	1				
--	46014	FILTER,ELEMENT,BETA(6)=200.....	1				
7	48922	CONN,520102-6-6.....	1				
8	45161	STRAINER ASSEMBLY,1.5" NPT.....	2				
9	25967	HOSE ASSEMBLY,LP GAS-86" LNG**.....	1				
		<i>Gasoline/LPG models</i>					
10	53120-S	LP.TANK BRACKET TALL W/LDMNT.....	1				
		<i>Gasoline/LPG models</i>					
11	6175	SCREW,HHC,3/8-16 X 1.....	2				
12	6021	WASHER,LOCK,,375.....	2				
13	5397	WASHER,FLAT,USS,5/16",Y.....	10				
14		Ref. Turntable Rotator.....	10				
		<i>refer to section 507.1</i>					
15	4828	NUT,NYLOCK,3/8-16.....	8				
16	6889	NUT,LP NYLOCK,1/4-20.....	1				
17	6638	WASHER,FLAT,USS,1/4"Y.....	2				
18	6090	SCREW,HHC,1/4-20 X .75.....	1				
19	31507	PLUG,SQUARE HEAD,3/4 MPT.....	1				
20	27089	HOSE,5/16 FUEL,SAE 30R7.....	64-inches				
21	21465	CLAMP,HOSE,SIZE .25 TO .63.....	3				
22	52179	FILTER, FUEL LRG 425/423 EFI.....	1				
23	45455	CLAMP,2.75,#44 X 1/4,RUB CUSH*.....	1				
24	27089	HOSE,5/16 FUEL,SAE 30R7.....	18-inches				
25	19487	VALVE,FUEL LOCK.....	1				
26	53023	FITTING,1/4 MPT 5/16 BARB.....	2				
27	8178	SCREW,HHC,3/8-16 X 2.5.....	4				
28	6097	WASHER,FLAT,USS,3/8",Y.....	4				
29	73593	FUEL TANK,H/D PLASTIC W/DECAL*.....	1				

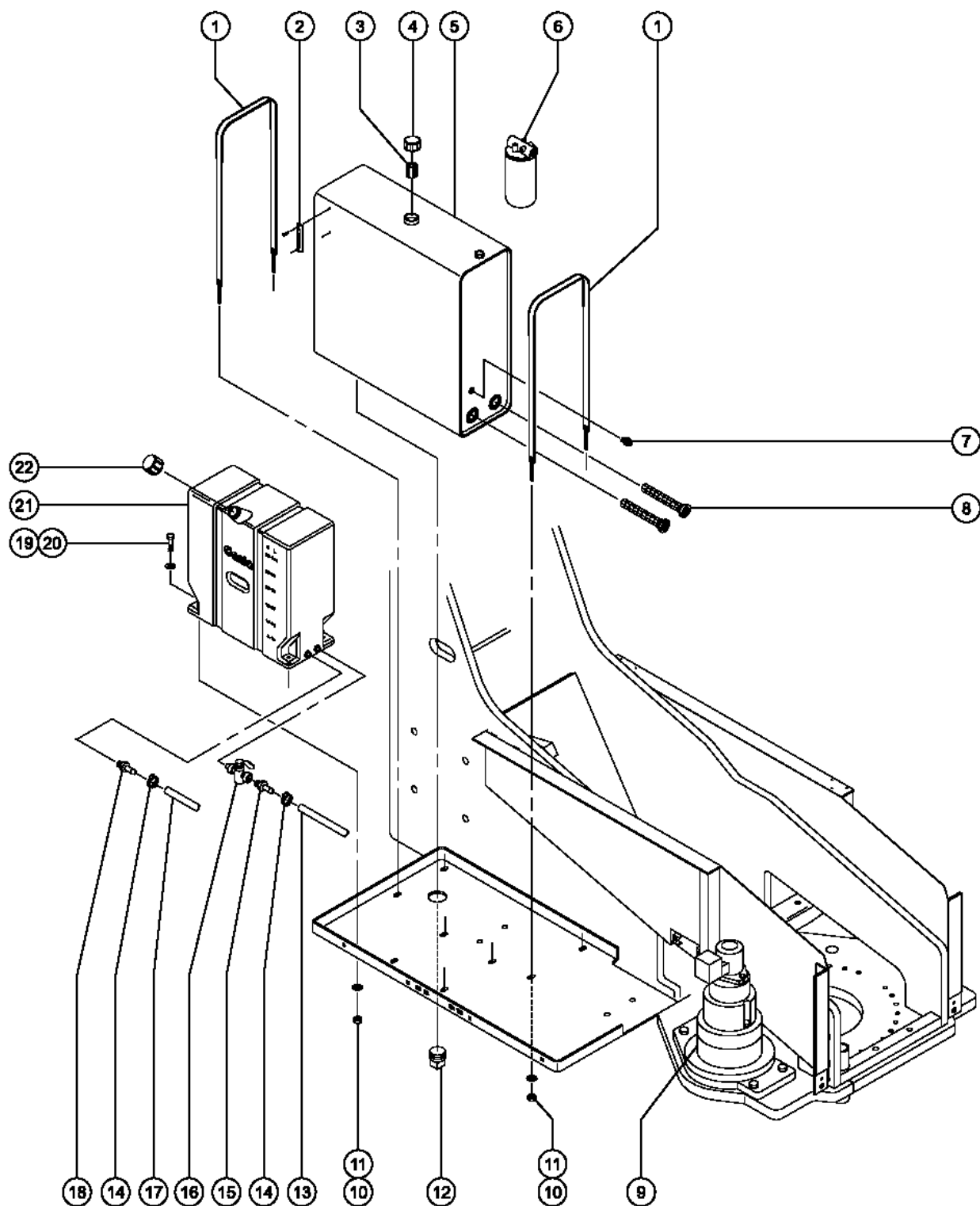
503.1 Hydraulic and Fuel Tanks - Diesel Models (with metal fuel tank)



503.1 Hydraulic and Fuel Tanks - Diesel Models (with metal fuel tank)

Item	Part No.	Description	Qty.
1	31524	STRAP ASSY,TANK, 66 INCH.....	2
2	21141	GAUGE-SIGHT,LHA-LGTB***	1
3	31506	STRAINER,FILLER NECK.....	1
4	53527	CAP,FILLER BREATHER,3 MICRON**.....	1
5	53353	TANK,HYDRAULIC,45 GALLON***	1
		<i>includes Index No's. 2, 8 and 12</i>	
6	48470	FILTER ASSEMBLY W/IND L,PAPER.....	1
--	46014	FILTER,ELEMENT,BETA(6)=200.....	1
7	48922	CONN,520102-6-6.....	1
8	45161	STRAINER ASSEMBLY,1.5" NPT.....	2
9		Ref. Turntable Rotator.....	2
		<i>refer to section 507.1</i>	
10	4828	NUT,NYLOCK,3/8-16.....	8
11	5397	WASHER,FLAT,USS,5/16",Y.....	8
12	31507	PLUG,SQUARE HEAD,3/4 MPT.....	1
13	30490	HOSE,1/4 FUEL LINE,SAE 30R7.....	108-inches
14	21465	CLAMP,HOSE,SIZE .25 TO .63.....	2
15	29137	HOSE END,MALE.25 X .25 MPT.....	1
16	27089	HOSE,5/16 FUEL,SAE 30R7.....	104-inches
17	53023	FITTING,1/4 MPT 5/16 BARB.....	1
18	19487	VALVE,FUEL LOCK.....	1
19	30584	GAUGE,FUEL,SIDE MOUNT.....	1
20	30179	TANK STRAP,BOLT STYLE,62".....	2
21	25567	CAP,FUEL,GREEN*.....	1
22	30546P-S	TANK,30 GALLON,PAINTED**.....	1

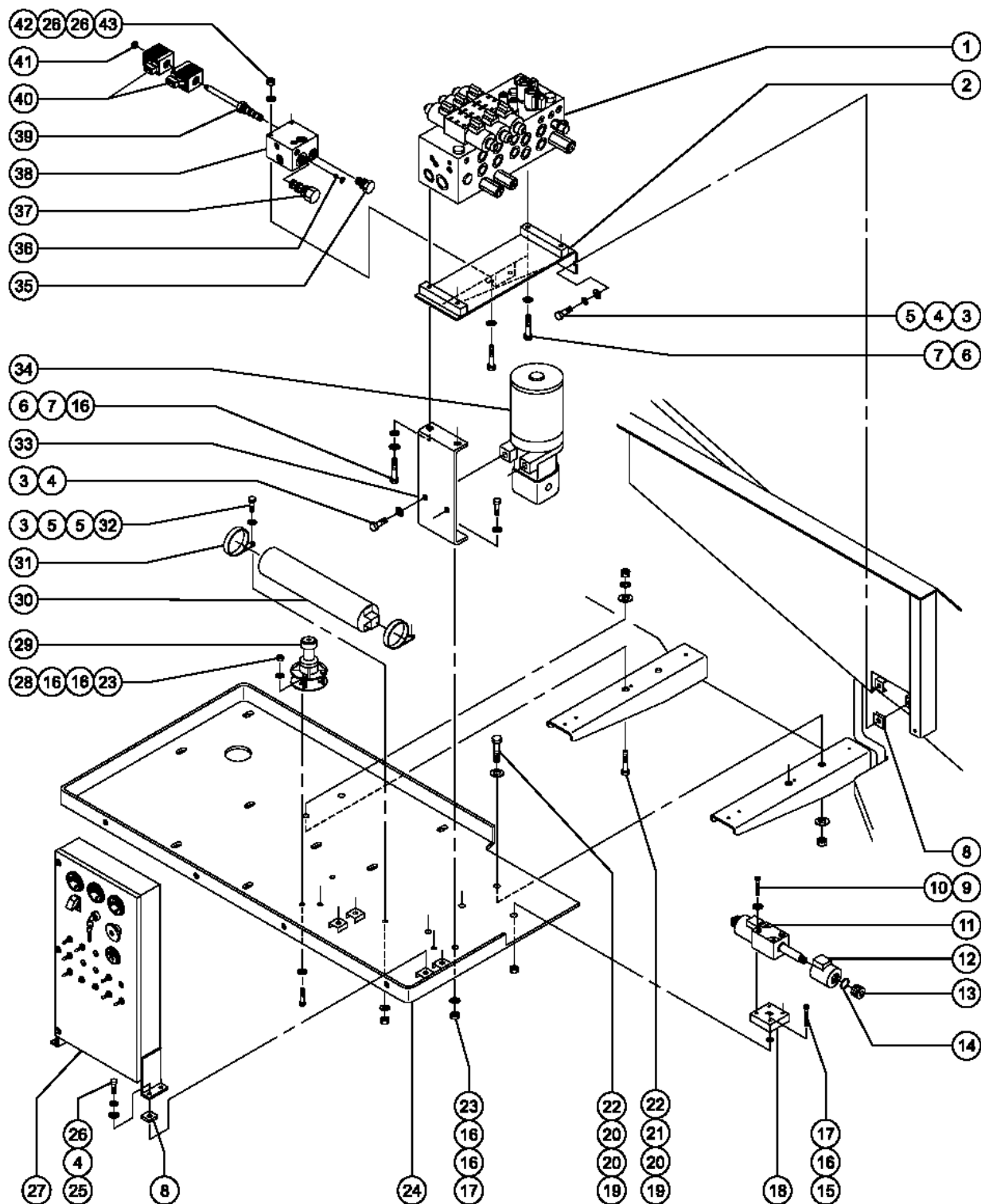
504.1 Hydraulic and Fuel Tanks - Diesel Models (with plastic fuel tank)



504.1 Hydraulic and Fuel Tanks - Diesel Models (with plastic fuel tank)

Item	Part No.	Description	Qty.
1	31524	STRAP ASSY,TANK, 66 INCH.....	2
2	21141	GAUGE-SIGHT,LHA-LGTB***	1
3	31506	STRAINER,FILLER NECK.....	1
4	53527	CAP,FILLER BREATHER,3 MICRON**.....	1
5	53353	TANK,HYDRAULIC,45 GALLON***	1
		<i>includes Index No's. 2, 8 and 12</i>	
6	48470	FILTER ASSEMBLY W/IND L,PAPER.....	1
--	46014	FILTER,ELEMENT,BETA(6)=200.....	1
7	48922	CONN,520102-6-6.....	1
8	45161	STRAINER ASSEMBLY,1.5" NPT.....	2
9		Ref. Turntable Rotator.....	2
		<i>refer to section 507.1</i>	
10	4828	NUT,NYLOCK,3/8-16.....	8
11	5397	WASHER,FLAT,USS,5/16",Y.....	8
12	31507	PLUG,SQUARE HEAD,3/4 MPT.....	1
13	27089	HOSE,5/16 FUEL,SAE 30R7.....	104-inches
14	21465	CLAMP,HOSE,SIZE .25 TO .63.....	2
15	53023	FITTING,1/4 MPT 5/16 BARB.....	1
16	19487	VALVE,FUEL LOCK.....	1
17	30490	HOSE,1/4 FUEL LINE,SAE 30R7.....	108-inches
18	29137	HOSE END,MALE.25 X .25 MPT.....	1
19	8178	SCREW,HHC,3/8-16 X 2.5.....	4
20	6097	WASHER,FLAT,USS,3/8",Y.....	4
21	73593	FUEL TANK,H/D PLASTIC W/DECAL*.....	1
22	101726	CAP,FUEL,DIESEL,1/8"VENT(GRN).1	

505.1 Function Manifold and Auxiliary Power Unit Installation



505.1 Function Manifold and Auxiliary Power Unit Installation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	46938	MANIFOLD,FUNCTION to SN 7500		29	44586	SENSOR,LEVEL 4.5***.....1 to SN 7388	1
--	81026	MANIFOLD,MULTI-FUNCTION,S60 from SN 7501		--	94077	SENSOR,LEVEL,4.5 DEG.....1 from SN 7389	1
2	53122-S	WELDMENT,FUNCTION MANIFOLD MNT.....1	1	30	36599	ACCUMULATOR,250 PSI PRECHARGE.....1	1
3	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....8	8	31	27497	CLAMP,RUBBER CUSHIONED-2 5/32.....2	2
4	6021	WASHER,LOCK,,375.....8	8	32	4828	NUT,NYLOCK,3/8-16.....2	2
5	6097	WASHER,FLAT,USS,3/8",Y.....6	6	33	30718P-S	BRACKET,AUX.PUMP MNT.PAINTED.....1	1
6	4266	SCREW,HHC,1/4-20 X 2.....4	4	34A	89617	POWER UNIT,AUX PUMP 12VDC.....1 Replaces 32811 and 53236; Check unit label for part number prior to ordering components	1
7	6356	WASHER,LOCK,,25.....4	4	--	147289	SEAL KIT, APU for APU 89617	
8	29868	SPRING CLIP,3/8-16.....14	14	--	147290	SHAFT SEAL, APU for APU 89617	
9	45916	SCREW,SHC,10-24 X 1.250 (D01).....4	4	--	58489	PUMP ASSY,AUX.POWER UNIT 89617 for APU 89617	
10	6607	WASHER,LOCK,#10 PLTD.....4	4	--	77069	MOTOR,12VDC,77066 for APU 89617	
11	146160	VALVE KIT,D03.....1 includes Index No's. 12 through 14 Non-oscillating models only	1	--	77071	SOLENOID,77066 for APU 89617	
12	223763	COIL WITH DE CONNECTOR.....1 non-oscillating models	1	--	32948	COUPLER,PUMP TO MOTOR (32810).....1 for APU 32811	1
13	33568	NUT, CP521-1 VALVE.....1 non-oscillating models	1	--	32949	MOTOR,12V DC (32810/32811)APU.....1 for APU 32811	1
14	45914	O-RING, DO1 VALVE.....1 non-oscillating models	1	--	32955	END HEAD, 32810 POWER UNIT...1 for APU 32811	1
15	30444	SCREW,SHC,1/4-20 X 2.....4	4	--	32959	BALL,CHECK (32810).....1 for APU 32811	1
16	6638	WASHER,FLAT,USS,1/4"Y.....14	14	--	32962	GASKET,0.0005,SILVER (32810)....1 for APU 32811	1
17	6091	NUT,NYLOCK,1/4-20.....6	6	--	32963	GASKET,0.001,AMBER (32810)....1 for APU 32811	1
18	24675	SUB PLATE (SPOOL VALVE).....1 non-oscillating models	1	--	32964	GASKET,0.00075,GOLD (32810)....1 for APU 32811	1
19	29883	SCREW,HHC,5/8-11 X 1.75 GRD.8.....3	3	--	32967	GASKET,PUMP TO DC MTR.(32810).....1 for APU 32811	1
20	13064	WASHER,FLAT,.625 HARDENED....5	5	--	33455	PUMP, AUX. POWER UNIT.....1 for APU 32811	1
21	6036	WASHER,LOCK,.625 PLTD.....1	1				
22	6024	NUT,NYLOCK,5/8-11.....3	3				
23	6888	SCREW,HHC,1/4-20 X 1.....4	4				
24	30677-S	WELDMENT,HYD TANK MODULE.....1	1				
25	6175	SCREW,HHC,3/8-16 X 1.....4	4				
26	5397	WASHER,FLAT,USS,5/16",Y.....8	8				
27		Ref. Ground Controls.....8 refer to sections 508.1 or 509.1	8				
28	6889	NUT,LP NYLOCK,1/4-20.....2	2				

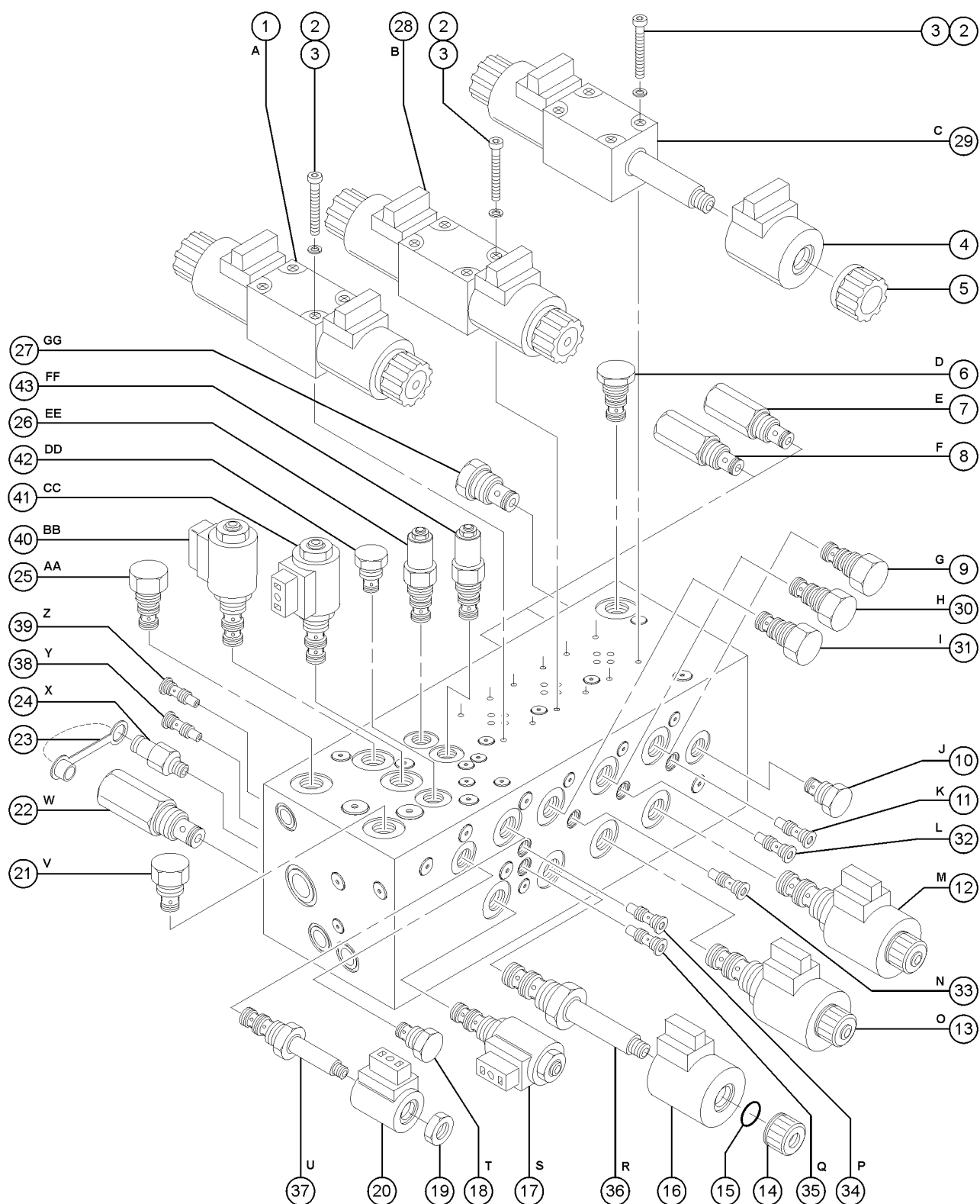
505.1 Function Manifold and Auxiliary Power Unit Installation (continued)

Item	Part No.	Description	Qty.
--	33455	PUMP, AUX. POWER UNIT.....1 <i>for APU 53236</i>	
--	62080	MOTOR,12V DC,APU (53236).....1 <i>for APU 53236</i>	
35	45543	VALVE,CHECK, 50 PSI.....1 <i>oscillating models</i>	
36	32669	ORIFICE PLUG,.025 (30551).....1 <i>oscillating models</i>	
37	33453	VALVE,FLOW REG.,3.5GPM (34543).....1 <i>oscillating models</i>	
38	48537	MANIFOLD,STEER,S60,S80,OSC...1 <i>includes Index No's. 35 through 41 oscillating models; Complete to SN 7500</i>	
--	81028	MANIFOLD,STEER,S60,80,OSC.....1 <i>includes Index No's. 35 through 41 oscillating models; Complete from SN 7501</i>	
39	48684	VALVE, SOLENOID, 10V.....1 <i>includes Index No's. 40 and 41 oscillating models; to SN 7500</i>	
--	43609	VALVE,SOLENOID,10V W/DOIDE.....1 <i>includes Index No's. 40 and 41 oscillating models; from SN 7501</i>	
40	29744	COIL,10V.....2 <i>oscillating models; to SN 7500</i>	
--	81044	COIL,SOLENOID,10DSD 10V,W/DIOD.....2 <i>oscillating models; from SN 7501</i>	
41	52943	NUT,SOLENOID VALVE.....1 <i>Oscillating models</i>	
42	6782	NUT,NYLOCK,5/16-18.....2	
43	49468	SCREW,HHC,5/16-18 X 3.25.....2	

505.1 Function Manifold and Auxiliary Power Unit Installation
(continued)

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506.1 Function Manifold



506.1 Function Manifold

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28750	O-RING KIT, FIELD SVC, ALL PROD*		17	65766	VALVE, SOLENOID, 10V W/DIODE***.....1	
--	46938	MANIFOLD, FUNCTION <i>Complete to SN 7500</i>				<i>S, Platform level up; includes Index No's. 19 and 20; from SN 7501</i>	
--	49612	O-RING KIT (ORFS FITTINGS)		--	48642	VALVE-SOLENOID, 2POS, 3WAY, 10V <i>S, Platform level up; includes Index No's. 19 and 20; to SN 7500</i>	
--	49613	PLUG AND CAP KIT-SERVICE, ORFS*		18	31100	VALVE, FLOW REGULATOR 0.6GPM.....2	
--	81026	MANIFOLD, MULTI-FUNCTION, S60 <i>Complete from SN 7501</i>				<i>T, Platform Level Circuit</i>	
1	146165	VALVE KIT, D03.....1		19	45912	NUT, SOLENOID, 2POS 3WAY.....4	
		<i>A, Turntable rotate; includes 2 each items 4 and 5, seal kit is 65879</i>		20	27814	COIL, SOLENOID, 10V.....4	
2	43255	SCREW, SHC, 10-24 X 2.....12				<i>to SN 7500</i>	
3	6607	WASHER, LOCK, #10 PLTD.....12		--	81043	COIL, SOLENOID, 8 DSD 10V, W/DIO <i>from SN 7501</i>	
4	223763	COIL WITH DE CONNECTOR.....6		21	27804	VALVE, DIFFERENTIAL SENSING***.....1	
		<i>use connector from old coil when replacing</i>				<i>V, Meters Flow to Functions</i>	
--	48648	O-RING, D03 COIL.....6		22A	32663	VALVE, RELIEF 2600 PSI.....1	
5	48649	NUT-D03 COIL.....6				<i>W, System Relief; S-60 models</i>	
6	33511	VALVE, CHECK, PILOT OPERATED.....1		22B	35000	VALVE, RELIEF 2900 PSI***.....1	
		<i>D, Boom Extend/Retract Circuit</i>				<i>W, System Relief; S-65 models</i>	
7	48640	VALVE, RELIEF, 2500 PSI.....1		23	48880	CAP, DIAGNOSTIC NIPPLE.....1	
		<i>E, Boom Extend</i>		24	48997	NIPPLE, DIAGNOSTIC, #4 PORT***.....1	
8	48415	VALVE, RELIEF.....1				<i>X, Testing</i>	
		<i>F, Boom Down</i>		--	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1	
9	27802	VALVE, DIFFERENTIAL SENSING***.....1				<i>G, Boom Extend</i>	
10	32975	VALVE, FLOW REGULATOR, 1 GPM.....1		25	34542	VALVE, FLOW REGULATOR 5.0 GPM.....1	
		<i>J, Bleeds off Differential Sensing Valve to tank</i>				<i>AA, steer circuit; oscillate models</i>	
11	27807	VALVE, CHECK***.....1		--	111705	VALVE, FLOW REGULATOR 3.5 GPM**.....1	
		<i>K, Differential Sensing Circuit, Boom Extend/Retract</i>				<i>AA, steer circuit; non-oscillate models</i>	
12	48641	VALVE, PROPORTIONAL, 12V **.....1		26	48647	VALVE, COUNTERBALANCE, 3500 PSI.....1	
		<i>M, Boom extend/retract; includes 1 each of Index No's. 14 through 16</i>				<i>EE, Platform Level Up</i>	
13	27801	VALVE, PROPORTIONAL SOLENOID***.....1		27	32725	VALVE, CHECK (30797).....1	
		<i>O, Boom up/down; includes 1 each of Index No's. 14 through 16</i>				<i>GG, Boom Extend/Retract Circuit</i>	
14	45921	RETAINER-N.C. PROPOR. SOLENOID.3		28	146165	VALVE KIT, D03.....1	
15	45914	O-RING, DO1 VALVE.....3				<i>B, Boom Up/Down; includes 2 each items 4 and 5</i>	
16	21935	COIL, 12V, 19972/21623/29069.....3		29	146165	VALVE KIT, D03.....1	
						<i>C, Boom Extend/Retract; includes 2 each items 4 and 5</i>	
				30	27802	VALVE, DIFFERENTIAL SENSING***.....1	
						<i>H, Boom Up</i>	

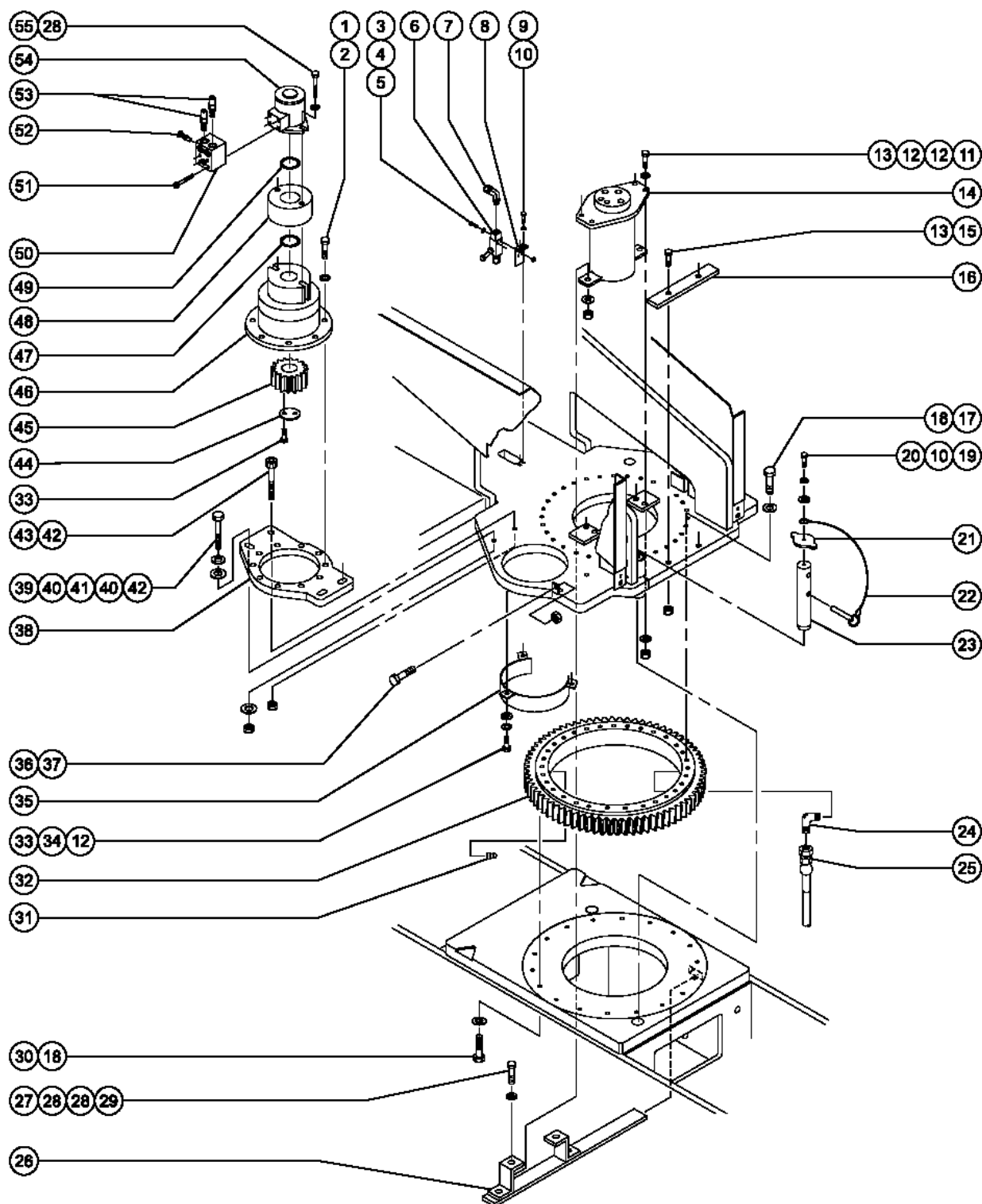
506.1 Function Manifold

(continued)

Item	Part No.	Description	Qty.
31	27802	VALVE,DIFFERENTIAL SENSING***1 <i>I, Turntable Rotate Left/Right</i>	
32	27807	VALVE,CHECK***1 <i>L, Differential Sensing Circuit, Boom Up/Down</i>	
33	27807	VALVE,CHECK***1 <i>N, Differential Sensing Circuit, Turntable Left/Right</i>	
34	27807	VALVE,CHECK***1 <i>P, Differential Sensing Circuit, Platform Level Circuit</i>	
35	27807	VALVE,CHECK***1 <i>Q, Differential Sensing Circuit, Platform Level Circuit</i>	
36	27801	VALVE,PROPORTIONAL SOLENOID***1 <i>R, Turntable Left/Right</i>	
37	65766	VALVE,SOLENOID,10V W/DIODE***1 <i>U, Platform Level Down; includes items 19 and 20; from SN 7501</i>	
--	48642	VALVE-SOLENOID, 2POS,3WAY,10V1 <i>U, Platform Level Down; includes items 19 and 20; to SN 7500</i>	
38	27807	VALVE,CHECK***1 <i>Y, Differential Sensing Circuit, Platform Rotate Circuit</i>	
39	27807	VALVE,CHECK***1 <i>Z, Differential Sensing Circuit, Platform Rotate Circuit</i>	
40	65766	VALVE,SOLENOID,10V W/DIODE***1 <i>BB, Platform Rotate Left; from SN 7501</i>	
--	48642	VALVE-SOLENOID, 2POS,3WAY,10V <i>BB, Platform Rotate Left; to SN 7500</i>	
41	65766	VALVE,SOLENOID,10V W/DIODE***1 <i>CC, Platform Rotate Right; from SN 7501</i>	
--	48642	VALVE-SOLENOID, 2POS,3WAY,10V <i>CC, Platform Rotate Right; to SN 7500</i>	
42	31100	VALVE,FLOW REGULATOR 0.6GPM <i>DD, Platform Rotate Circuit</i>	
43	48647	VALVE,COUNTERBALANCE,3500 PSI <i>FF, Platform Level Down</i>	

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507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation



507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	22788	SCREW,HHC,1/2-13 X 1.75.....	10	--	6090	SCREW,HHC,1/4-20 X .75..... <i>from SN 7169</i>	1
2	6033	WASHER,LOCK,0.5".....	10	20	6638	WASHER,FLAT,USS,1/4"Y.....	1
3	22541	SCREW,RHM,10-32 X 1.5.....	2	21	73835	PLATE,PIN RETAINER..... <i>from SN 7169</i>	1
4	6146	WASHER,FLAT,MS,#10,Y.....	2	22	11637	PIN ASSY, RETAINER, SS I & II.....	1
5	6178	NUT,NYLOCK,10-32.....	2	23	33471	PIN ASSEMBLY,TURNTABLE ROTAT..... <i>includes one each of index number 10 and index numbers 19, 20, and 22; to SN 7168</i>	1
6	34961	SWITCH,LIMIT,W/ROLLER ARM.....	1	--	73836	PIN,ROTATION STOP..... <i>from SN 7169</i>	1
7	29382	CONN. SQZ,1/2NPT .38-.50,90DEG.....	1	24	48904	ELBOW,90D,520220-4-4.....	1
8	53632P-S	BRKT,LIM SW,DRIVE ENBL,PAINTED..... <i>to SN 4456</i>	1	25	49189-2988	HOSE ASSEMBLY,1/4".....	1
9	6090	SCREW,HHC,1/4-20 X .75.....	2	26	49458-S	WLDMT.HYD.,SWIVEL MNT.,S60,S80.....	1
10	6356	WASHER,LOCK,.25.....	2	27	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2
11	13918	SCREW,HHC,3/8-16 X 1.75,GRD.8.....	4	28	13066	WASHER,FLAT,.5 HARDENED.....	6
12	5397	WASHER,FLAT,USS,5/16",Y.....	11	29	6198	NUT,NYLOCK,1/2-13.....	2
13	4828	NUT,NYLOCK,3/8-16.....	6	30	20654	SCREW,SHC,5/8-11 X 3.50,A574.....	18
14A	48541	HYD.SWIV.,9PORT S60,Z60..... <i>to SN 7764</i>	1	31	28646	ZERK,GREASE,1/8 NPT.....	1
--	49528	SEAL KIT,SWIVEL (48541) <i>for 48541</i>		32	30895	BEARING,TURNTABLE.....	1
--	73895	HYDRAULIC SWIVEL,9 PORT*** <i>from SN 7765</i>		33	6175	SCREW,HHC,3/8-16 X 1.....	5
--	75466	SEAL KIT,SWIVEL (73895) <i>for 73895</i>		34	6021	WASHER,LOCK,.375.....	3
--	T106954	SEAL, O-RING LIP <i>use with swivel 48541</i>		35	73862P	FORMING,PINION GUARD,PAINTED.....	1
--	T106955	SEAL, POLY, CHAMFER <i>use with swivel 48541</i>		36	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	1
--	T106956	SEAL, O-RING, SQUARE <i>use with swivel 48541</i>		37	6034	NUT,HEX,JAM,1/2-13.....	1
--	T106958	SEAL, CAP <i>use with swivel 48541</i>		38	34762-S	BACKLASH ADJUSTMENT PLATE S60.....	1
--	T106959	SEAL, CROWN, 2 PART <i>use with swivel 48541</i>		39	34347	SCREW,HHC,3/4-10 X 4.5.....	3
--	T106960	SEAL, CAP <i>use with swivel 48541</i>		40	33278	WASHER,FLAT,.75 HARDENED.....	3
15	17712	SCREW,FHS,3/8-16 X 1.75.....	2	41	10256	WASHER,FLAT,USS,3/4",Y.....	6
16	41549	PAD,BOOM REST.....	1	42	10258	NUT,NYLOCK,3/4-10.....	4
17	45495	SCREW,SHC,5/8-11 X 3.00,A574.....	30	43	34710	SCREW,SHS,5/8-11 X 3.....	1
18	13064	WASHER,FLAT,.625 HARDENED.....	48	44	34766	RETAINER PLATE,PINION GEAR***.....	1
19	7339	SCREW,HHC,1/4-20 X .5..... <i>to SN 7168</i>	1	45	34606	PINION GEAR (SET).....	1
				46	34761	TORQUE HUB,36:1***.....	1
				--	29290	SEAL KIT,FAIRFIELD (S1A2)***.....	1
				47	52087	O-RING,2-044 BUNA***.....	1

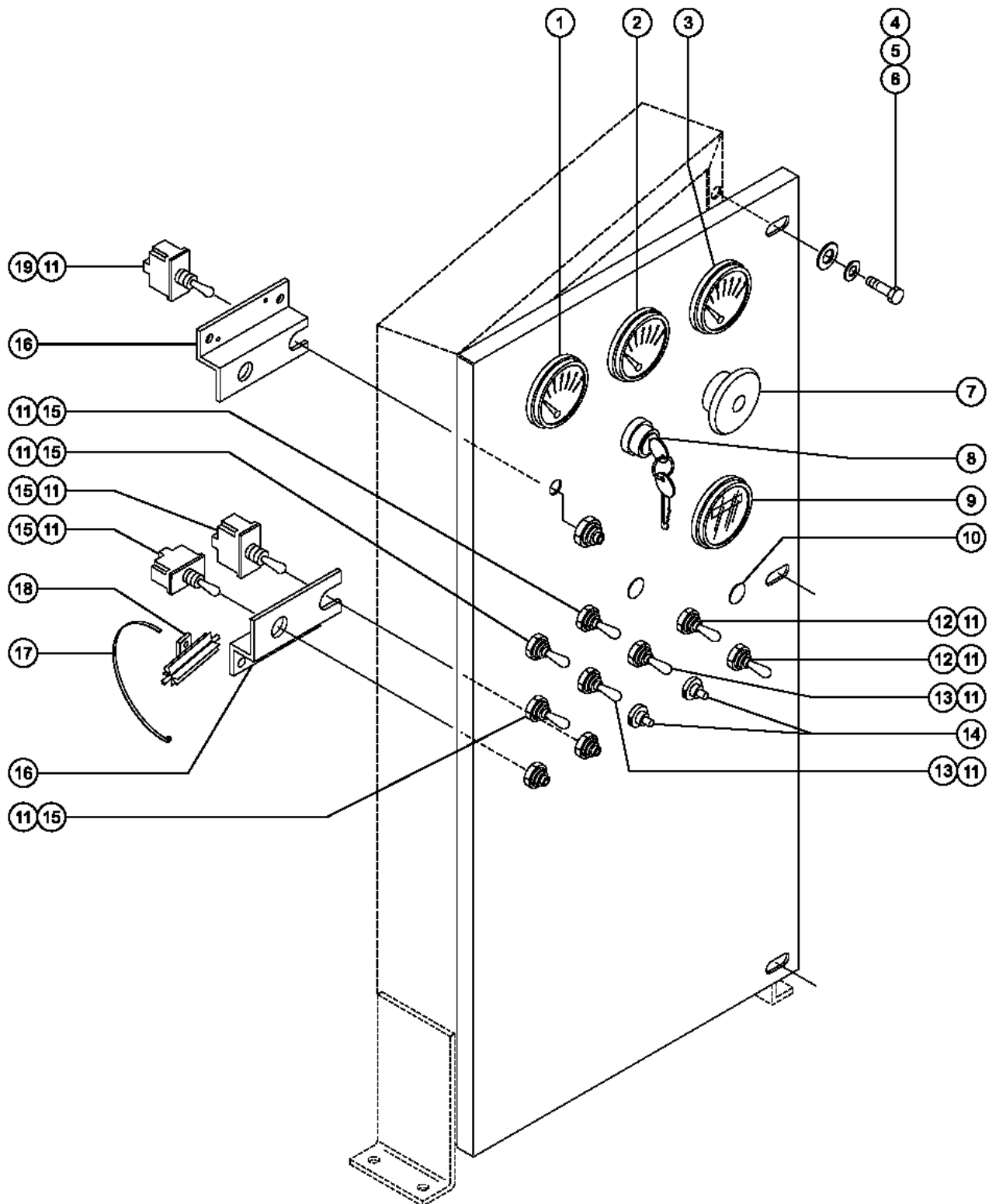
507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation (continued)

Item	Part No.	Description	Qty.
48	73919	BRAKE,1200 INLB***.....1 <i>includes Index No's. 47 and 49</i>	
--	29291	SEAL KIT,MICO.....1	
--	29293	BEARING KIT,MICO.....1	
--	41918	LINING KIT,MICO BRAKE.....1	
49	22811	O-RING,MOTOR TO BRAKE***.....1	
50	81366	MANIFOLD,SWING CB & BRAKE...1 <i>includes Index No's. 52 and 53</i>	
--	31519	O-RING (2-114).....1	
51	37218	SCREW,HHC,5/16-18 X 3.00.....4	
52	45483	VALVE,SHUTTLE***.....1	
53	40983	VALVE,COUNTERBALANCE,1500 PSI.....2	
54	53999	MOTOR,TURNTABLE ROTATE**.....1	
--	65616	SEAL KIT PWR WHL MOTOR.....1	
55	13854	SCREW,HHC,1/2-13 X 4.5,GRD.8...2	

507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation
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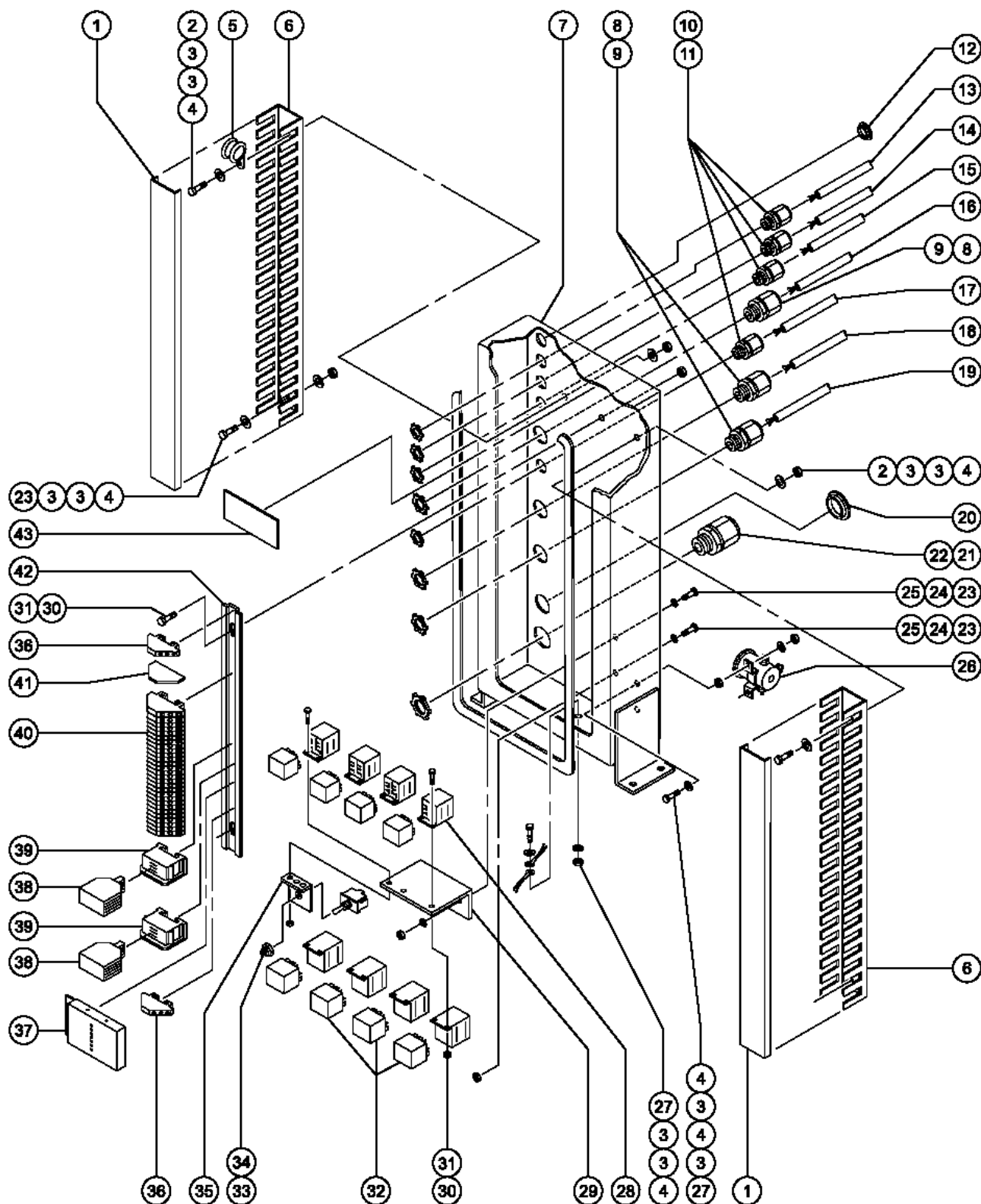
508.1 Ground Controls - View 1



508.1 Ground Controls - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	53759-S	GAUGE,WATER TEMP.....1 <i>includes mounting bracket and fasteners; Gasoline/LPG models</i>		12	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....3 1 <i>includes mounting fasteners</i>	
--	53760-S	GAUGE,OIL TEMP.....1 <i>includes mounting bracket fasteners; Diesel models</i>		13	56457-S	SWITCH,TOGGLE,SPDT,2 POS MAINT.....2 <i>includes mounting fasteners; Gasoline/LPG models</i>	
2	53758-S	GAUGE,OIL PRESSURE W/O SENDER.....1 <i>includes mounting bracket and fasteners</i>		--	45384	PLUG,NYLON .50 BLACK DOMED.....2 <i>Diesel models</i>	
3	53761-S	GAUGE,VOLTAGE.....1 <i>includes mounting bracket and fasteners</i>		14	147094	ASSY, CIRCUIT BREAKER 15A.....2 <i>includes mounting fasteners</i>	
4	6090	SCREW,HHC,1/4-20 X .75.....3		15	16397-S	SWITCH,TOGGLE,DPDT,3POS MOMEN.....5 <i>includes mounting fasteners</i>	
5	6356	WASHER,LOCK,.25.....3		16	53820	BRACKET, PANEL WIRE MOUNTING.....2	
6	6638	WASHER,FLAT,USS,1/4"Y.....3		17	21121	CABLE TIE,4" BLK,HEAT RESISTNT.....2	
7	122514	KIT,ESTOP SVC BB&SM BOOM....1		18	27287	RESISTOR,10 OHM,25 WATT.....1	
--	66812	BUTTON,PUSH,RED MUSHROOM HEAD.....1		19	13480-S	SWITCH,TOGGLE,DPDT,2POS MOMEN.....1 <i>includes mounting fasteners</i>	
--	66818	CONTACT,NC.....2		--	13471	COVER, AUXILIARY POWER SWITCH.....1	
--	66821	BASE,WITHOUT CONTACTS.....1		Footnotes			
8	122512	KIT,KEYSWITCH SVC BB & SM BOOM.....1		1: Quantity listed may not reflect specific model configuration requirements.			
--	21982	KEY,SINGLE***.....1					
--	37947	KEYS,10 PACK***.....1					
--	66811	KEYSWITCH,3POS.MNTND.DR WKEY**.....1 <i>includes keyswitch and two keys, not included: base or contacts.</i>					
--	66816	CONTACT,N.O.....2					
--	66821	BASE,WITHOUT CONTACTS.....1					
9	19506	HOUR METER,10-80 VOLTS***.....1 <i>includes mounting bracket</i>					
10A	45384	PLUG,NYLON .50 BLACK DOMED.....2 1					
10B	824879	LIGHT,LED IND. RED 12V NH.....1 <i>Gasoline/LPG models</i>					
10C	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>Deutz Diesel, Glow Plug Option</i>					
11	27246	BOOT,TOGGLE SWITCH,SHORT*.....9 1					

509.1 Ground Controls - View 2 (to SN 7837)



509.1 Ground Controls - View 2 (to SN 7837)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	74644	TOOL,WAGO TERM RELEASE,1-WAY.....	1	19	35934	WIRE CABLE,18/19 CON.TPRJKT.....	60-inches
1	1262218	COVER, DUCT, WIRING.....	2	20	45385	PLUG,NYLON 1.12 BLACK DOMED.....	1
2	6888	SCREW,HHC,1/4-20 X 1.....	2	21	20776	CABLE SQUEEZE CONN.....	1
3	6638	WASHER,FLAT,USS,1/4"Y.....	19	22	18665	LOCKNUT,ELECTRIC,1" NPT.....	1
4	6091	NUT,NYLOCK,1/4-20.....	11	23	8914	SCREW,HHC,1/4-20 X .625.....	4
5	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....	1	24	6356	WASHER,LOCK,.25.....	7
6	28298	WIRING DUCT, 1.5 X 1.5.....	2	25	23404	NUTSERT,1/4-20,STEEL CAD PLTD.....	2
7	35811	CONTROL BOX W/LID&DECAL,GRND.....	1	26	53967	SOLENOID,12V CONTINUOUS.....	1
--	30782	GASKET,GROUND CONTROL BOX.....	1	27	6090	SCREW,HHC,1/4-20 X .75.....	3
8	12960	CABLE SQUEEZE CONN.,XTRA LRG.....	3	28	34053	ASSY,RELAY SOCKET, AUTO.....	6
9	14041	LOCKNUT,ELECTRIC,3/4".....	3	--	34053	ASSY,RELAY SOCKET, AUTO.....	6
10	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....	4	--	34054	TERM,RELAY N-INSULATED 10-12 G.....	6
11	6935	LOCKNUT,ELEC,1/2".....	4	--	34055	TERM RELAY,N-INSULATE 14-16 GA.....	6
12	15243	PLUG,NYLON .875 BLACK DOMED.....	1	--	34056	TERM,RELAY,N-INSULATE 18-20 GA.....	6
13	43960	WIRE CABLE,16/4 CON.TPE JKT.....	240-inches	29	52945-S	RELAY MOUNT ASSY.....	1
14	43960	WIRE CABLE,16/4 CON.TPE JKT.....	226-inches	30	6178	NUT,NYLOCK,10-32.....	4
15	43960	WIRE CABLE,16/4 CON.TPE JKT.....	120-inches	31	54365	SCREW,PHIL,PHM,10-32 X .5,SSTL.....	5
16A	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	984-inches	32	34052	RELAY,SPDT,12V(AUTO) PLUG IN**.....	6
16B	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	1044-inches	--	34052	RELAY,SPDT,12V(AUTO) PLUG IN**.....	6
17A	43955	WIRE CABLE,12GA/3 CON.TPE JKT*.....	984-inches	33	27246	BOOT,TOGGLE SWITCH,SHORT*.....	1
17B	43955	WIRE CABLE,12GA/3 CON.TPE JKT*.....	1044-inches	34	13480-S	SWITCH,TOGGLE,DPDT,2POS MOMEN.....	1
18A	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	984-inches	--	54692	SPACER,NYLON,.718 X .526 X.219.....	1
18B	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	1044-inches	35	49743	BRACKET,TOGGLE SWITCH.....	1
				36	25974	PLASTIC END STOP.....	2

509.1 Ground Controls - View 2 (to SN 7837) (continued)

Item	Part No.	Description	Qty.
37	56057	MODULE,IGNITION/START,12/24V.2 <i>to SN 7129</i>	
--	56057	MODULE,IGNITION/START,12/24V.1 <i>from SN 7130</i>	
38	25807	DIODE BLOCK SUPPRESSION.....1 <i>from SN 7502</i>	
--	25807	DIODE BLOCK SUPPRESSION.....2 <i>to SN 7501</i>	
39	25808	CARRIER TERMINAL(5 PER BLOCK).....1 <i>from SN 7502</i>	
--	25808	CARRIER TERMINAL(5 PER BLOCK).....2 <i>to SN 7501</i>	
40	25836	TERMINAL BLOCK(SINGLE),WAGO***.....44	
--	32638	TERMINAL BLOCK,WAGO.....2	
41	25837	TERMINAL STRIP END PLATE.....1	
42	28310	DIN RAIL,23.75".....1	
43	30997	CORROSION INHIBITOR,FOAM.....1	

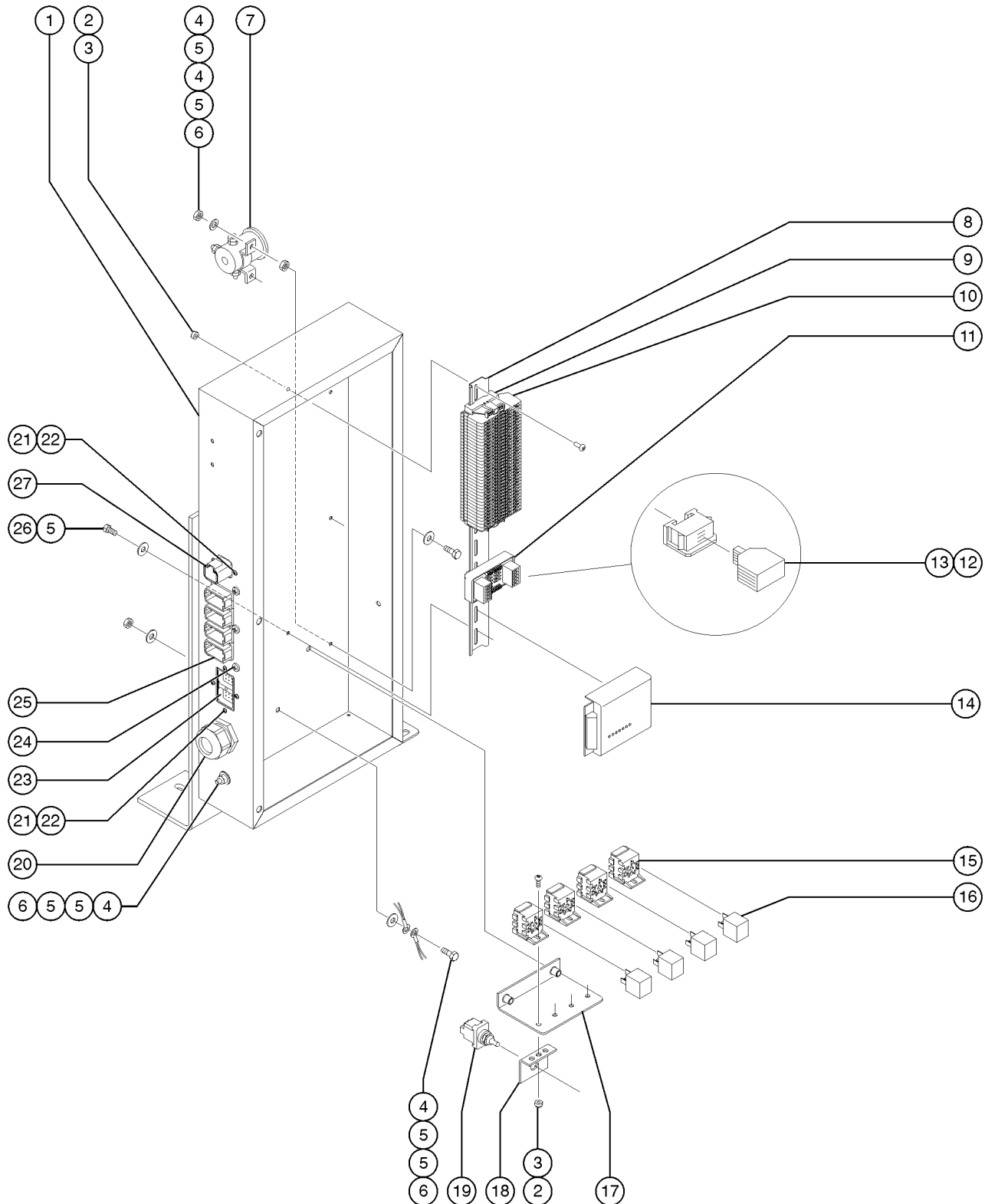
Footnotes

1: Quantity listed may not reflect specific model configuration requirements.

509.1 Ground Controls - View 2 (to SN 7837)
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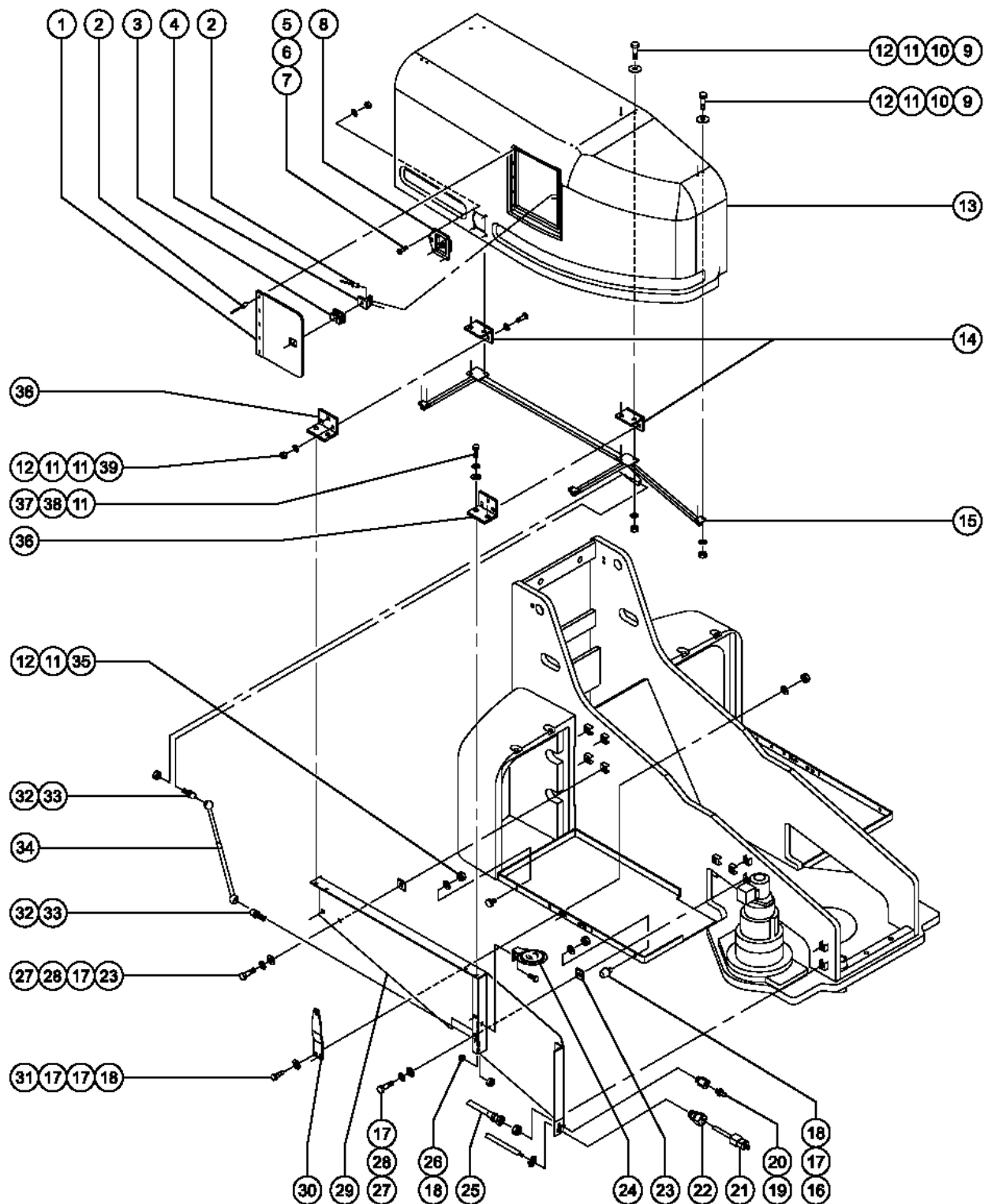
509.2 Ground Controls - View 2 (from SN 7838)



509.2 Ground Controls - View 2 (from SN 7838)

Item	Part No.	Description	Qty.
1	73937P	ASSEMBLY,GROUND CONTROL BOX,P6.....	1
--	30782	GASKET,GROUND CONTROL BOX	
2	6178	NUT,NYLOCK,10-32	
3	54365	SCREW,PHIL,PHM,10-32 X .5,SSTL	
4	6091	NUT,NYLOCK,1/4-20	
5	6638	WASHER,FLAT,USS,1/4"Y	
6	6090	SCREW,HHC,1/4-20 X .75	
7	53967	SOLENOID,12V CONTINUOUS.....	1
8	33422	DIN RAIL,17".....	1
9	25837	TERMINAL STRIP END PLATE.....	2
10	25836	TERMINAL BLOCK(SINGLE),WAGO***.....	34
11	25807	DIODE BLOCK SUPPRESSION..... <i>First time replacement: replace with items 12 and 13</i>	1
12	25807	DIODE BLOCK SUPPRESSION.....	1
13	25808	CARRIER TERMINAL(5 PER BLOCK).....	1
14	56057	MODULE,IGNITION/START,12/24V.1	
15	34053	ASSY,RELAY SOCKET, AUTO.....	4
16	34052	RELAY,SPDT,12V(AUTO) PLUG IN**	4
17	54534	ANGLE,RELAY MNT,W/NUTSERTS,PNT.....	1
18	49743	BRACKET,TOGGLE SWITCH.....	1
19	128201	SWITCH TOGGLE ASSY DPDT 2P MOM..... <i>Gasoline/LPG models; Includes boot and hardware</i>	1
20	20776	CABLE SQUEEZE CONN.....	1
21	49820	SCREW,PHILLIPS,PHM,6-32 X .5	
22	12344	NUT,NYLOCK,6-32	
23	73753	CONN,RECEP 24 WAY,W/FLANGE.....	1
24	73803	SCREW,SHM,PHP, #12 X .75	
25	73736	CONN,RECEP 48 WAY,4 X 12.....	1
26	7339	SCREW,HHC,1/4-20 X .5	
27	73717	CONN,RECEP 4 WAY,12-14GA FL ***	1

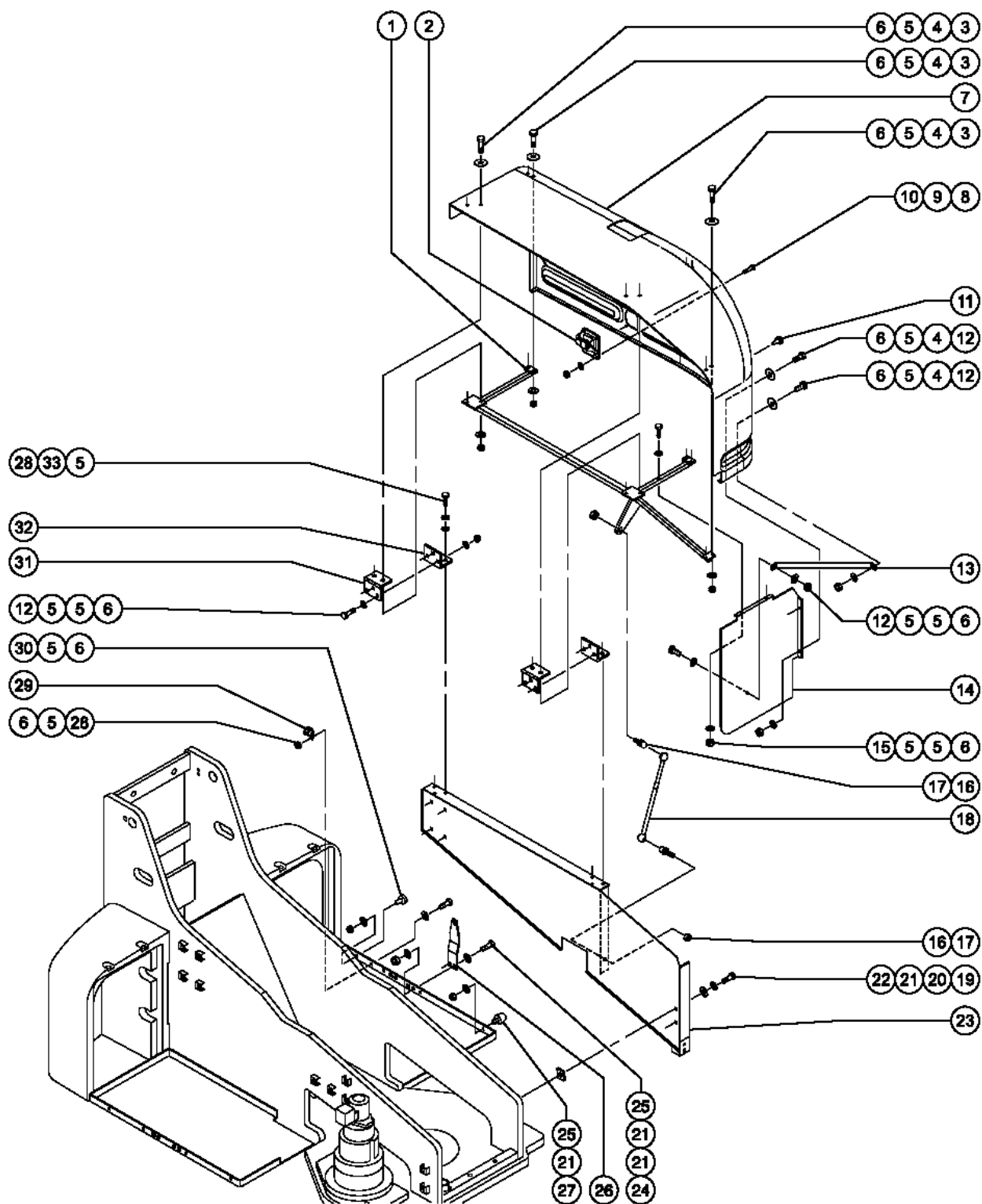
510.1 Turntable Covers - View 1, Tank Side



510.1 Turntable Covers - View 1, Tank Side

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1A	46612	COV. ASSY GRND.CONT.S40/60/80.....	1	19	28646	ZERK,GREASE,1/8 NPT.....	1
1B	52651	COVER-HINGED, GRND CNTRL.... <i>includes Index No's. 2 and 3</i>	1	20	30430	BULKHEAD,FEMALE X 4.....	1
2	7265	RIVET,STEEL,P, .25 X .375.....	7	21	119403	CONN,PLUG 120 AC/15A DOMESTIC.....	1
3	30468	LATCH,SLIDE, FLUSH MOUNT STYLE..... <i>includes mounting fasteners</i>	1	--	144161	PLUG,PWR,UK,16AMP,3PIN,BLK...	1
4	49534	DOOR LATCH,BASE CONTROL BOX.....	1	--	25388	PLUG,FUSED,250V,13AMP,U.K.**...	1
5	6178	NUT,NYLOCK,10-32.....	4	--	6666	PLUG,ELECTRICAL,220/50,NOVON.	1
6	6146	WASHER,FLAT,MS,#10,Y.....	4	22	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....	1
7	49816	SCREW,PHILLIPS,PHM,10-32 X .75.....	4	23	29868	SPRING CLIP,3/8-16.....	8
--	29314	KEY,LATCH, 1 PAIR		24	81578	HORN,12VDC,SPADE TERMINALS***.....	1
8A	28125	LATCH,FLUSH CUP <i>folding T-handle</i>		25		Ref. Hydraulic Hoses and Fittings.... <i>refer to section 513.1</i>	1
8B	49536	LATCH,TURNTABLE FLUSH STYLE..... <i>black oval - push</i>	1	26	10107	SCREW,HHC,5/16-18 X .75.....	1
8C	53903	LATCH,T-HANDLE,5 SIDED W/KEYS*..... <i>T-style</i>	1	27	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	6
9	8915	SCREW,HHC,1/4-20 X 1.25.....	10	28	6021	WASHER,LOCK,.375.....	8
10	12906	WASHER,FENDER,.25 X 1.25 X.062.....	10	29	30743-S	COVER SUPPORT WELDMENT LH.....	1
11	6638	WASHER,FLAT,USS,1/4"Y.....	31	30	49535P-S	PLATE,LATCH,BLUE,PAINTED.....	1
12	6091	NUT,NYLOCK,1/4-20.....	17	31	13002	SCREW,HHC,5/16-18 X 1 GR5.....	2
13A	52440	COVER ASSY W/DECALS,LH B/B SQ <i>for units with steel tank, has square corners</i>		32	33555	BALL STUD**.....	2
13B	52544	TRNTABL COVER ASSY.TANK SIDE <i>for units with plastic fuel tank</i>		33	6002	NUT,LP NYLOCK,5/16-18.....	2
13C	65477	COVER ASSY W/DECALS,L.H. BB..... <i>includes Index No's. 1 through 8</i>	1	34	28301	GAS STRUT,250 LBS FORCE***.....	1
14	35949P-S	BRACKET,COVER HINGE,BLUE....	2	--	27377	RETAINER,GAS SPRING***.....	1
15A	30759	COVER SUPPORT WELDMENT LH.....	1	35	36388	BUMPER,RUBBER,.75 X .50H,STUD.....	1
15B	49532-S	COVER,SUPPORT WELDMENT,LH.....	1	36	75073	HINGE,.375X.120THK.,SLOTTED...	2
16	30973	BUMPER,RUBBER-1 X 1.25.....	1	37	6090	SCREW,HHC,1/4-20 X .75.....	4
17	5397	WASHER,FLAT,USS,5/16",Y.....	13	38	6356	WASHER,LOCK,.25.....	4
18	6782	NUT,NYLOCK,5/16-18.....	4	39	6888	SCREW,HHC,1/4-20 X 1.....	6

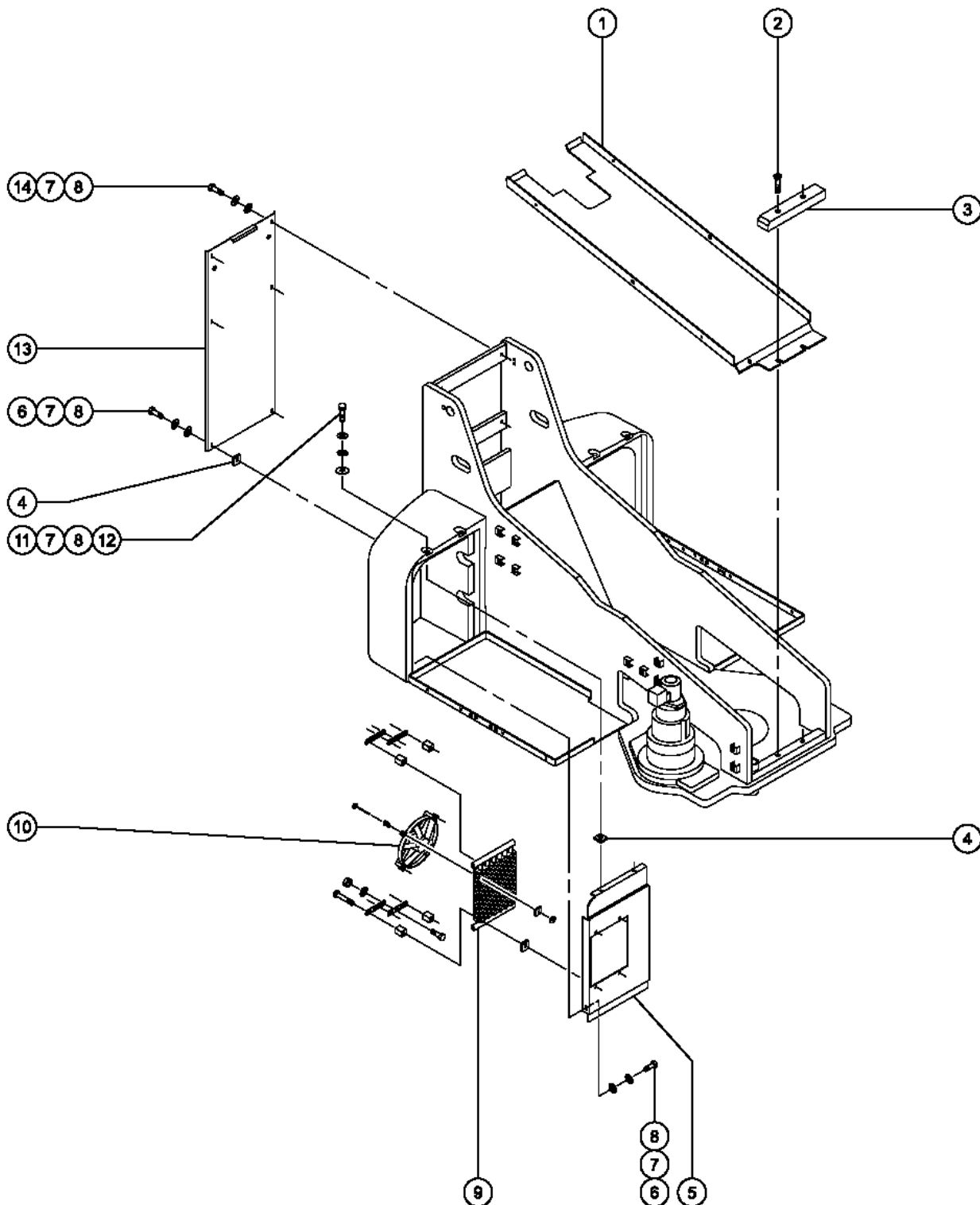
511.1 Turntable Covers - View 2, Engine Side



511.1 Turntable Covers - View 2, Engine Side

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1A	30760	COVER SUPPORT WELDMENT RH.		15	4266	SCREW,HHC,1/4-20 X 2.....	2
1B	53882	WELDMENT,TT COVER SUPPORT,RH.....	1	16	33555	BALL STUD**.....	2
2A	49536	LATCH,TURNTABLE FLUSH STYLE.....	1	17	6002	NUT,LP NYLOCK,5/16-18.....	2
		<i>black oval - push</i>		18	28301	GAS STRUT,250 LBS FORCE***.....	1
--	29314	KEY,LATCH, 1 PAIR (28125)		--	27377	RETAINER,GAS SPRING***.....	1
2B	53903	LATCH,T-HANDLE,5 SIDED W/KEYS*.....	2	19	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	6
		<i>T-style</i>		20	6021	WASHER,LOCK,,.375.....	8
--	29314	KEY,LATCH, 1 PAIR (28125)		21	5397	WASHER,FLAT,USS,5/16",Y.....	14
3	8915	SCREW,HHC,1/4-20 X 1.25.....	10	22	29868	SPRING CLIP,3/8-16.....	8
4	12906	WASHER,FENDER,.25 X 1.25 X.062.....	10	23	30744-S	COVER SUPPORT WELDMENT RH.....	1
		1		24	13002	SCREW,HHC,5/16-18 X 1 GR5.....	2
5	6638	WASHER,FLAT,USS,1/4"Y.....	42	25	6782	NUT,NYLOCK,5/16-18.....	3
		1		26	49535P-S	PLATE,LATCH,BLUE,PAINTED.....	1
6	6091	NUT,NYLOCK,1/4-20.....	21	27	30973	BUMPER,RUBBER-1 X 1.25.....	1
		1		28	6090	SCREW,HHC,1/4-20 X .75.....	1
7A	65478	COVER ASSY W/DECAL,WRD,RH BB.....	1	29	21618	CLAMP,1.13,#18 X 1/4,RUB CUSH.....	1
		<i>Gasoline/LPG models; includes Index No's. 2 and 8 through 10</i>		30	36388	BUMPER,RUBBER,,.75 X .50H,STUD.....	1
7B	65478	COVER ASSY W/DECAL,WRD,RH BB.....	1	31	75073	HINGE,.375X.120THK.,SLOTTED...2	
		<i>Diesel models; includes Index No's. 2 and 8 through 10</i>		32	35949P-S	BRACKET,COVER HINGE,BLUE....	2
7C	52441	COVER ASSY W/DECAL,GAS,RH.....	1	33	6356	WASHER,LOCK,.25.....	4
7D	52443	COVER ASSY W/DECAL,DIE,RH BIGB.....	1	Footnotes			
8	49816	SCREW,PHILLIPS,PHM,10-32 X .75.....	4	1: Quantity listed may not reflect specific model configuration requirements.			
9	6146	WASHER,FLAT,MS,#10,Y.....	4				
10	6178	NUT,NYLOCK,10-32.....	4				
11	81197	PLUG,ENGINE COVER.....	3				
		<i>Diesel models only</i>					
12	6888	SCREW,HHC,1/4-20 X 1.....	9				
		1					
13	30894P-S	SHROUD SUPPORT,PAINTED GRAY.....	1				
		<i>Gasoline/LPG models</i>					
14	49537P-S	SHROUD,LP TANK,PAINTED.....	1				
		<i>Gasoline/LPG models</i>					

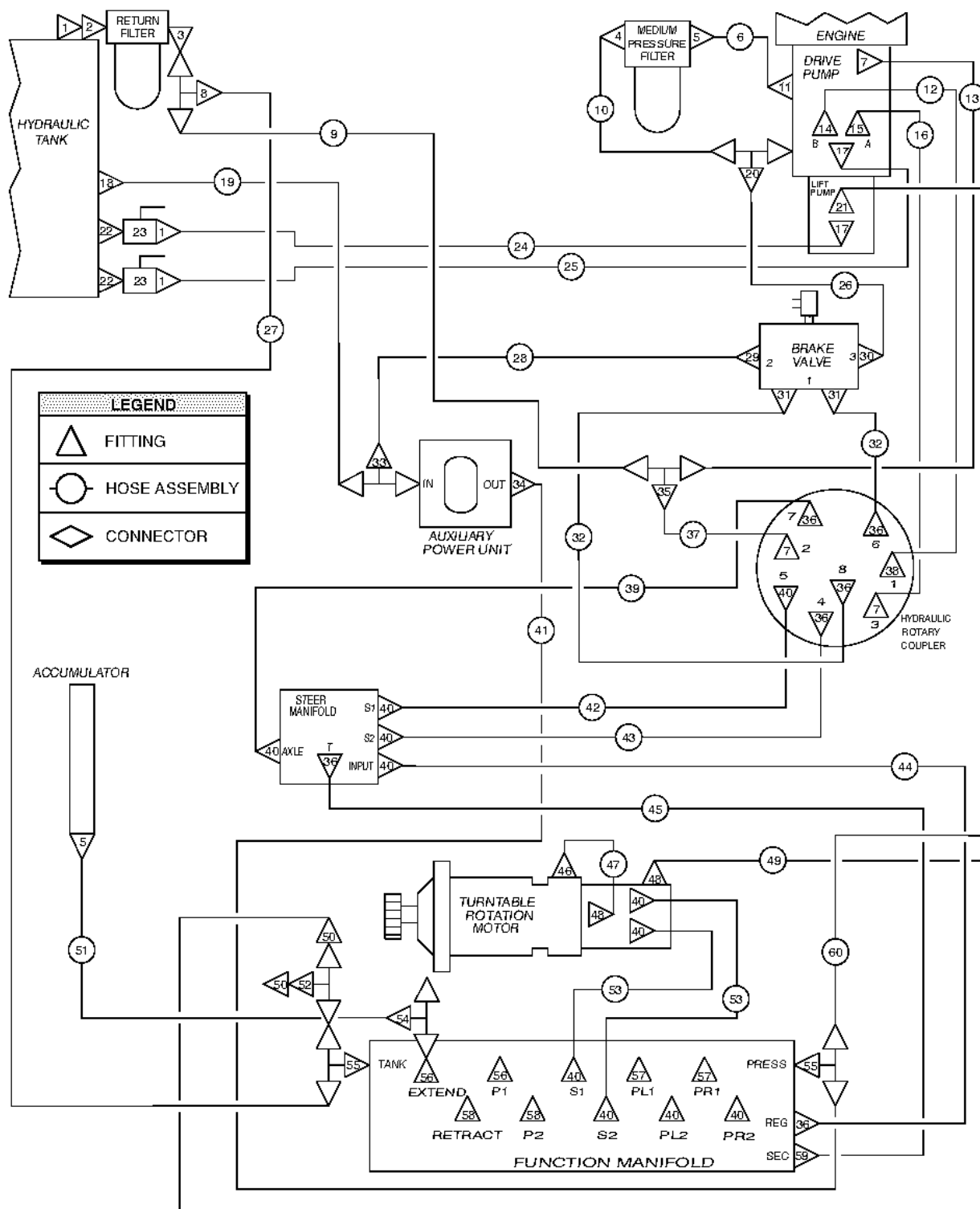
512.1 Turntable Covers and Oil Cooler Option - View 3



512.1 Turntable Covers and Oil Cooler Option - View 3

Item	Part No.	Description	Qty.
--	34980-S	OIL COOLER KIT,S60,S80 PARKER <i>includes Index No's. 4 through 10; to SN 7810</i>	
--	46990	OIL COOLER(SYNFLEX)S40,60,80 <i>includes Index No's. 4 through 10; to SN 7810</i>	
1	44286P	PLATE, SWING COVER S60/S80....	1
2	35714	SCREW,FHS,3/8-16 X 2.25.....	2
3	41549	PAD,BOOM REST.....	2
4	29868	SPRING CLIP,3/8-16.....	4
5	49611-S	BAFFLE,TANK SIDE,PAINTED.....	1
6	6175	SCREW,HHC,3/8-16 X 1.....	4
7	6021	WASHER,LOCK,,375.....	10
8	5397	WASHER,FLAT,USS,5/16",Y.....	10
9	22349	COOLER-HYDRAULIC OIL..... <i>includes mounting hardware; to SN 7810</i>	1
9	75855	THERMOSTAT -OIL COOLER (71259)..... <i>from SN 7811</i>	1
--	71259	OIL COOLER W/FAN, 12VDC..... <i>from SN 7811</i>	1
--	75855	THERMOSTAT -OIL COOLER (71259)..... <i>from SN 7811</i>	1
10	63118	FAN,OIL COOLER***..... <i>to SN 7810</i>	1
--	75854	FAN - VENTED..... <i>from SN 7811</i>	1
11	6708	SCREW,HHC,3/8-16 X 2.25.....	2
12	6095	WASHER,FLAT,USS,1/2",Y.....	2
13A	52088	COVER-TURNABLE W/DECALS S60.....	1
13B	52089	COVER-TURNABLE W/DECALS S65.....	1
14	8255	SCREW,HHC,3/8-16 X .75.....	4

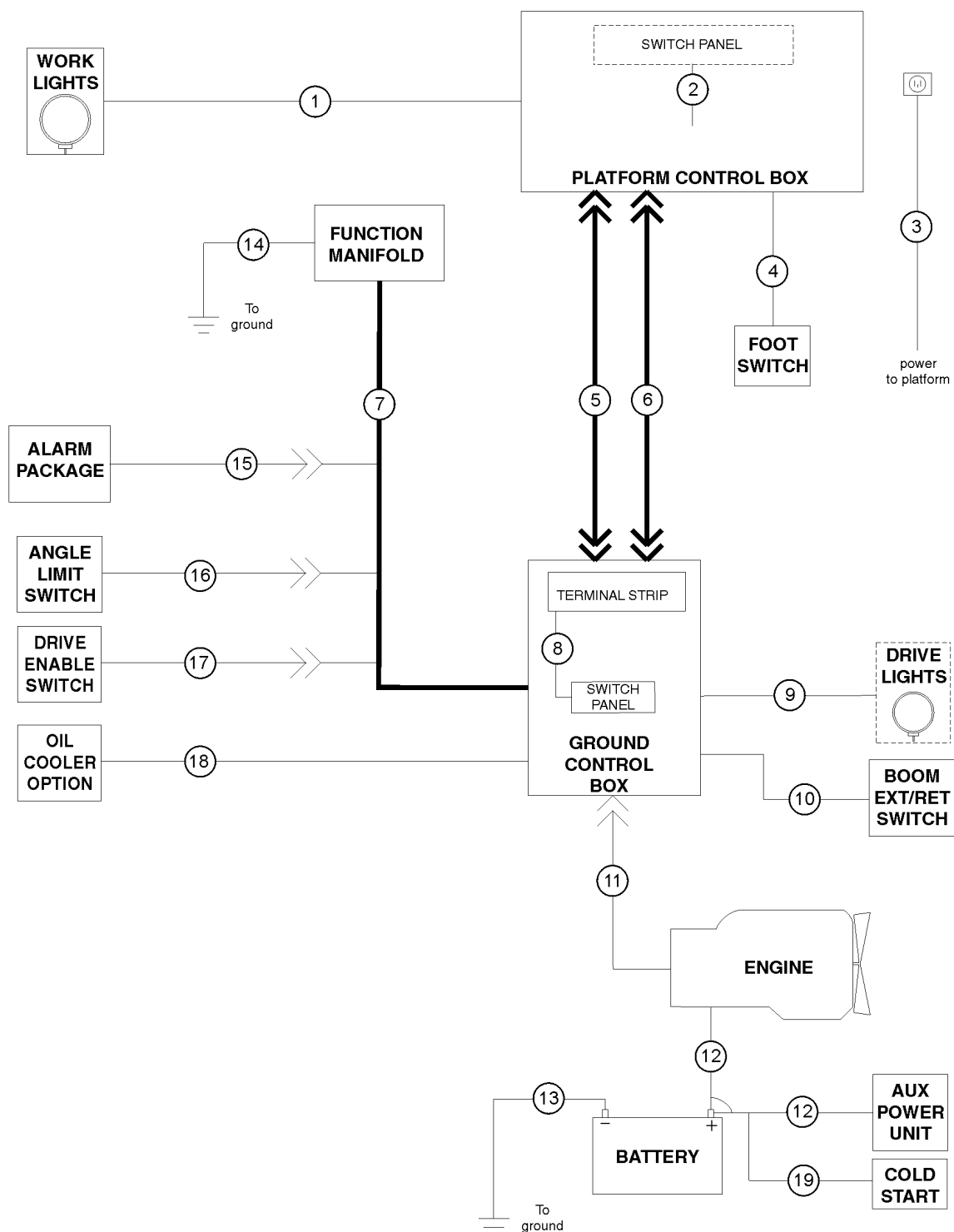
513.1 Hydraulic Hoses and Fittings



513.1 Hydraulic Hoses and Fittings

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)		35	48969	TEE,BULKHEAD,RUN,520958-12....1	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*		36	48915	ELBOW,90D,520220-6.....6	
1	48986	CONN,520102-16.....3		37	49150-1905	HOSE ASSY,3/4,90 FEM,STR FEM.....1	
2	49512	ELBOW,90DEG,FEM,1"NPT.....1		38	48959	FITTING,ELBOW,90D,520220-12....1	
3	49515	ELBOW,90D,520202-12-16.....1		39	49128-4009	HOSE ASSY,3/8"90 FEM,STR FEM.....1	
4	48948	CONN,520120-8-12.....1		40	48916	FITTING,CONN,520120-6.....11	
5	48947	ELBOW,90D,520220-8-12.....2		41	49108-2329	HOSE ASSY,1/2,90 FEM,STR FEM**.....1	
6	49106-3222	HOSE ASSEMBLY,1/2".....1		42	49128-2684	HOSE ASSEMBLY,3/8".....1	
7	48960	FITTING,CONN,520120-12.....3		43	49126-2558	HOSE ASSY,3/8,45 FEM,STR FEM.....1	
8	48964	FITTING,TEE,RUN,SWIVEL52043212.1		44	49128-2300	HOSE ASSY,3/8 90 DEG.....1	
9	49151-4948	HOSE ASSY,3/4,STR FEM,STR FEM.....1		45	49128-2834	HOSE ASSEMBLY,3/8".....1	
10	49109-3400	HOSE ASSY,1/2,90 FEM,STR FEM.....1		46	48904	ELBOW,90D,520220-4-4.....1	
11	48946	CONN,520120-8-10.....1		47	49117-1600	HOSE ASSY,1/4,90 FEM,STR FEM.....1	
12	49156-4500	HOSE ASSY,3/4,90 FEM,STR FEM.....1		48	48905	CONN,520120-4***.....2	
13	49148-3550	HOSE ASSEMBLY-3/4" 100R1.....1		49	49119-1600	HOSE ASSY,1/4,STR FEM,STR FEM.....1	
14	48977	CONN,520120-12-16.....1		50	48956	REDUCER,520123-10-4.....2	
15	48976	ELBOW,90D,520220-12-16.....1		51	49110-1600	HOSE ASSEMBLY-1/2" 100R2.....1	
16	49156-4331	HOSE ASSY,3/4,90 FEM,STR FEM.....1		52	48955	TEE,RUN,SWIVEL,520432-10.....1	
17	48984	CONN,520120-16.....2		53	49128-1850	HOSE ASSEMBLY-3/8".....2	
18	48922	CONN,520102-6-6.....1		54	48938	FITTING,TEE,RUN,SWIVEL520432-8.1	
19	49146-2400	HOSE ASSEMBLY-1/2".....1		55	48954	TEE,BRANCH,520429-10.....2	
20	48953	TEE,RUN,520428-10.....1		56	48934	CONN,LONG,520122-8.....2	
21	48898	VALVE,CHK,#12PORT-#12MALEORFS.1		57	48917	CONN,LONG,520122-6.....2	
22	48988	ELBOW,45D,140339-16.....2		58	48933	CONN,520120-8***.....2	
23	48994	VALVE,BALL,16 MPT-16 FPT***.....2		59	48930	FITTING,CONN,520120-6-8***.....1	
24	49159-5300	HOSE ASSEMBLY-1" 100R4.....1		60	49101-7835	HOSE ASSEMBLY,5/8".....1	
25	49159-5100	HOSE ASSEMBLY-1" 100R4.....1					
26	49145-2000	HOSE ASSEMBLY-1/2".....1					
27	218665	HOSE ASSEMBLY.....1					
28	49131-5200	HOSE ASSEMBLY-3/8".....1					
29	48911	ELBOW,90D,520220-4-6***.....1					
30	48928	ELBOW,45D,520320-6-4.....1					
31	48927	CONN,520120-6-4.....2					
32	49130-2800	HOSE ASSEMBLY.....2					
33	48935	TEE,RUN,520428-8.....1					
34	48942	ELBOW,90D,520220-8-6.....1					

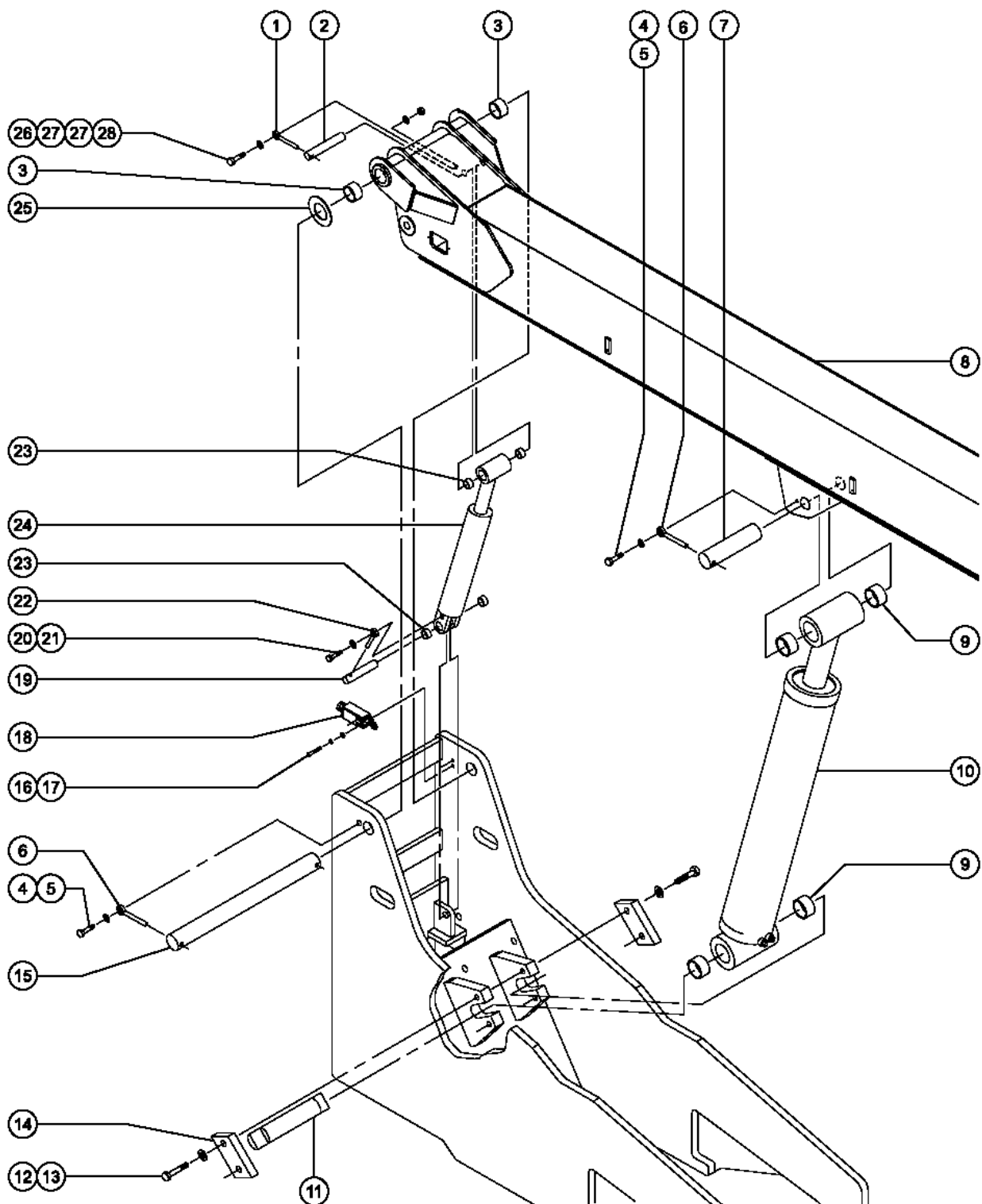
514.1 Wire Harness Diagram (from SN 7838)



514.1 Wire Harness Diagram (from SN 7838)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	73480	HARNESS,WORKLIGHT ACC.....1		--	81123	HARNESS,COLD START	
2		HARN,PBOX WIRING, SWITCHPANEL.....1 <i>(part no longer available for service)</i>				OPT,DUETZ.....1	
2	81111	HARN,PBOX WIRING, SWITCHPANEL.....1					
3A	73697	HARN,12V TO PLAT NJ.....1 S-60					
3B	73698	HARN,12V TO PLAT JIB.....1 S-65					
4		REF: Foot Switch Assembly.....1 <i>(refer to 701.1)</i>					
5A	73699	HARN,19/18CTRL CABLE1 NJ.....1 S-60; Green and brown connectors					
5B	73700	HARN,19/18 CTRL,CABLE 1,JIB.....1 S-65; Green and brown connectors					
6A	73701	HARN,19/18 CTRL,CABLE 2,NJ.....1 S-60; Grey and black connectors					
6B	73702	HARN,19/18 CTRL,CABLE 2,JIB.....1 S-65; Grey and black connectors					
7	73706	HARN,GBOX FUNCTION MANIFOLD.....1					
8		HARN,GBOX,WIRING,SWITCHPANEL.1 <i>(part no longer available for service)</i>					
8	81112	HARN,GBOX,WIRING,SWITCHPANEL.1					
9	73817	HARNESS,DRIVE LIGHT OPT.....1					
10	73709	HARN,LS,BOOM EXT/RET.....1					
11	73703	HARN,FORD ENGINE,EFI***.....1 <i>Ford Engine</i>					
--	73704	HARN,DEUTZ ENGINE*** <i>Deutz Engine</i>					
--	73705	HARN,PERKINS ENGINE <i>Perkins Engine</i>					
12	88801	BATTERY CABLE,POSITIVE,RED.....2					
13	88802	BATTERY CABLE,NEGATIVE,BLACK.....1					
14	81126	HARN,GND,FUNCTION MANIFOLD.....1					
15	73479	HARNESS,ALARM PKG OPTION...1					
16	73708	HARN,LS, BOOM ANGLE.....1					
17	73707	HARN,LS,DRIVE ENABLE.....1					
18	73785	HYD OIL COOLER RELAY HARNESS.....1					
19	73787	CABLE,COLD START OPTION.....1					

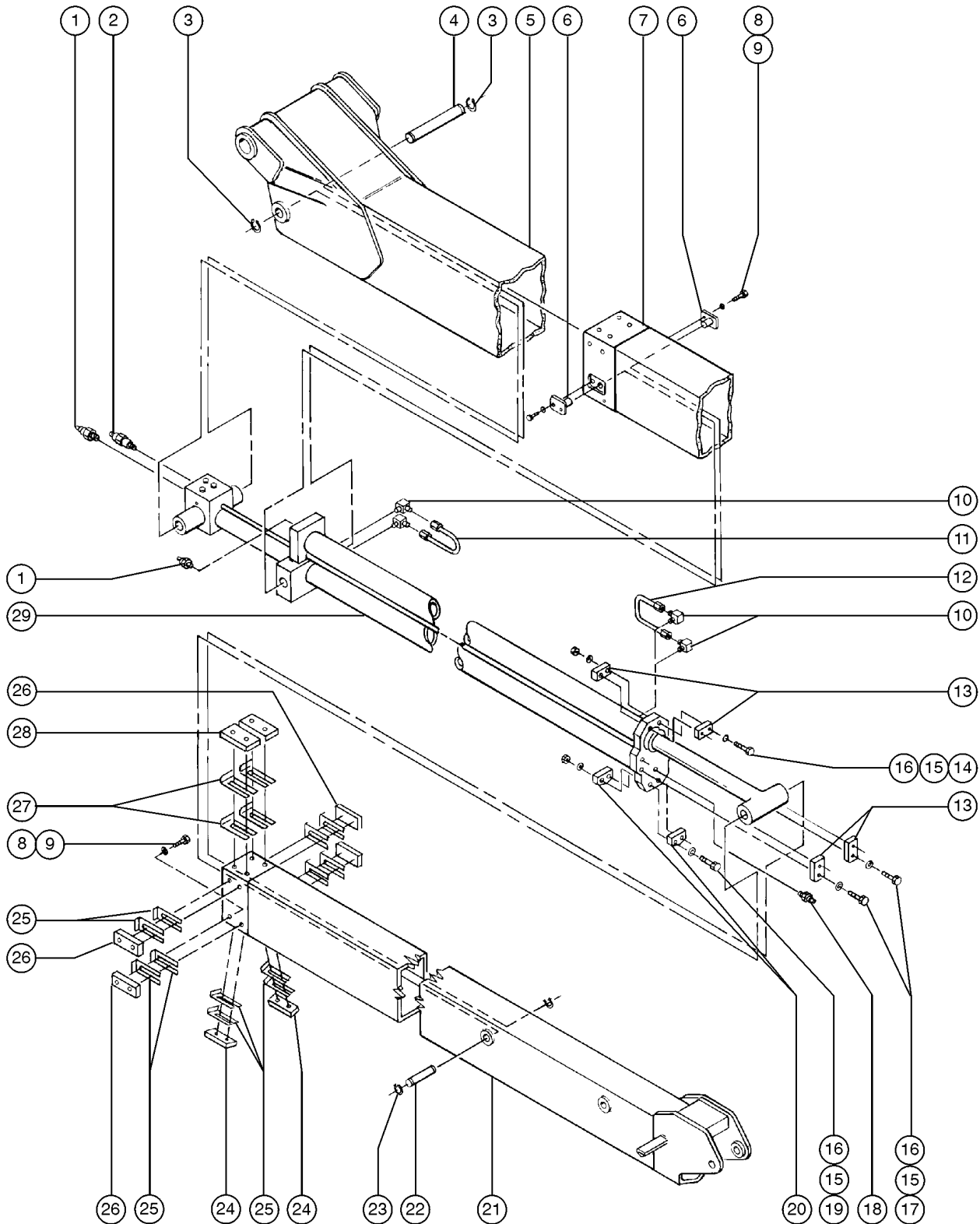
601.1 Boom Lift and Master Leveling Cylinder Installation



601.1 Boom Lift and Master Leveling Cylinder Installation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	45226	ROD END,.375 X 3.69.....	1	28	4828	NUT,NYLOCK,3/8-16.....	1
2	34270	PIN,1.25DIAX6.62LG,1HOLE.....	1				
3	34131	BEARING,2.50IDX3.00ODX2.00L....	2				
4	8177	SCREW,HHC,1/2-13 X 1.5.....	1				
5	6033	WASHER,LOCK,0.5".....	2				
6	30418	ROD END,.50 X 4.....	2				
7	34269	PIN,2.50DIAX13.75LG,1HOLE.....	1				
8		Ref. Boom Assembly.....	1				
		<i>refer to section 602.1 or 603.1</i>					
9	27698	BEARING,2.50IDX2.75ODX2.00L....	4				
10	63205	CYLINDER, LIFT, S60**.....	1				
		<i>includes Index No. 9</i>					
--	43937	VALVE,CB.CBBC-LHN@3200***.....	1				
--	63345	SEAL KIT CYL.S60(63205).....	1				
11	33823	PIN,PRI.CYL./SWING CHASSIS.....	1				
12	33557	SCREW,HHC,3/4-10 X 2.00,GR5.....	4				
13	34550	WASHER,LOCK,.75 PLTD.....	4				
14	33822P-S	PIN RETAINER,PRI.CYL.BLUE.....	2				
15	34271	PIN,2.50DIAX29.13LG,1HOLE.....	1				
16	22541	SCREW,RHM,10-32 X 1.5.....	2				
17	6607	WASHER,LOCK,#10 PLTD.....	4				
18	88356-146R5	SWITCH,LIMIT,W/ROLLER HEAD***.....	1				
--	19491	CONTACTOR,LIMIT SWITCH.....	1				
19	34276	PIN,1.25DIAX3.37LG,1HOLE.....	1				
20	8255	SCREW,HHC,3/8-16 X .75.....	1				
21	6021	WASHER,LOCK,.375.....	1				
22	25284	ROD END,.375 X 2.25***.....	1				
23	25683	BEARING,POLYGON,20DU12.....	4				
24	63209	CYLINDER,MASTER***.....	1				
		<i>includes Index No. 23</i>					
--	33487	SEAL KIT,HYDRAULIC CYLINDER*** <i>For cylinder 34118; check cylinder part number stamp or label prior to ordering</i>					
--	63349	SEAL KIT CYL.(63209).....	1				
		<i>For cylinder 63209; check cylinder part number stamp or label prior to ordering</i>					
25	29746	WASHER,FLAT,2.5 X 4 X .062.....	3				
26	13918	SCREW,HHC,3/8-16 X 1.75,GRD.8.....	1				
27	5397	WASHER,FLAT,USS,5/16",Y.....	2				

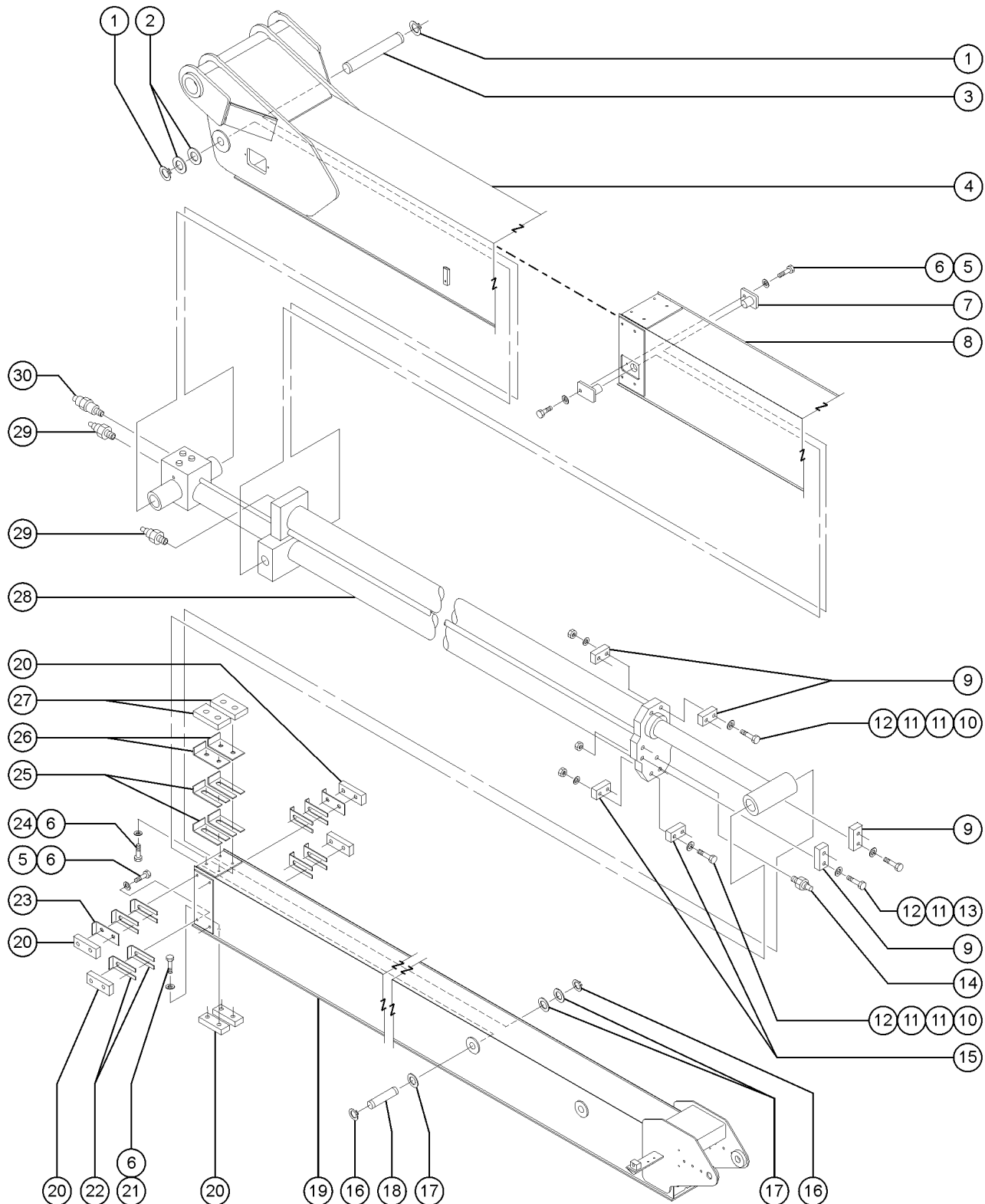
602.1 Boom Assembly - View 1 (to SN 3648)



602.1 Boom Assembly - View 1 (to SN 3648)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	36188	VALVE,COUNTERBALCACA-LHN@2000.2		29	63201	EXTENSION CYLINDER ASSY.S60**.....1	
--	43018	SEAL KIT (39345)				<i>includes index numbers 1, 2, 10 through 12 and 18; check part label prior to ordering components</i>	
2	36207	VALVE,COUNTERBALCWCA-LHN@2000.1		--	33500	SEAL KIT,HYDRAULIC CYLINDER.....1	
--	62449	SEAL KIT,SUN "CWCA" CB VALVES*				<i>for cylinder assembly 34712</i>	
3	18383	SNAP RING,EXTERNAL,1.5 DIA***.....2		--	33501	SEAL KIT,HYDRAULIC CYLINDER.....1	
4	34268	PIN,1.50DIA X 14.41LG,2RING.....1				<i>for cylinder assembly 34712</i>	
5	33947	BOOM TUBE ASSEMBLY.....1		--	33896	CYLINDER, EXTENSION, TOP.....1	
6	34170-S	EXT.CYL.MOUNTING PIN WLDMT.....2				<i>for cylinder assembly 34712</i>	
7	34429	WELD,BOOM,#2,V-BOTTOM.....1		--	33897	CYLINDER, EXTENSION, BOTTOM.....1	
8	6175	SCREW,HHC,3/8-16 X 1.....18				<i>for cylinder assembly 34712</i>	
9	6021	WASHER,LOCK,.375.....18		--	63340	SEAL KIT,CYL,S60 (63201)***	
10	13921	ELBOW,070220-4-4.....4				<i>for cylinder assembly 63201</i>	
11	34741	FLARE TUBE ASSY,EXT.CYLINDER.....1		--	63341	SEAL KIT,CYL,S60 (63201)***	
12	34736	FLARE TUBE ASSY,EXT.CYLINDER.....1				<i>for cylinder assembly 63201</i>	
13	34165	WEAR PAD,EXTENSION CYLINDER.....4					
14	6884	SCREW,HHC,1/4-20 X 2.5.....2					
15	6638	WASHER,FLAT,USS,1/4"Y.....8					
16	6889	NUT,LP NYLOCK,1/4-20.....8					
17	4266	SCREW,HHC,1/4-20 X 2.....4					
18	33494	VALVE,SEQUENCE.....1					
--	43018	SEAL KIT (39345)					
19	8179	SCREW,HHC,1/4-20 X 2.25.....2					
20	53036	WEAR PAD,EXTENSION CYLINDER.....2					
21	227149	ASSY,S60/65 BOOM TUBE,V-BOTTOM.....1					
22	T108079	PIN,1.25DIA X 8.30LG,2RING.....1					
23	30217	SNAP RING,EXTERNAL,1.25 DIA.**.....2					
24	30138	WEAR PAD,5 X 1.5 X .625 W/NUTS.....2					
25	29080	SHIM,WEAR PAD,5X 1.5 16GA					
26	34125	WEAR PAD,5 X 1.5 X .75 W/NUTS.....4					
27	34344	SHIM,SIDE PAD 16GA. 3 X 5					
28	34124	WEAR PAD,5 X 3 X .625 W/INSER.....2					

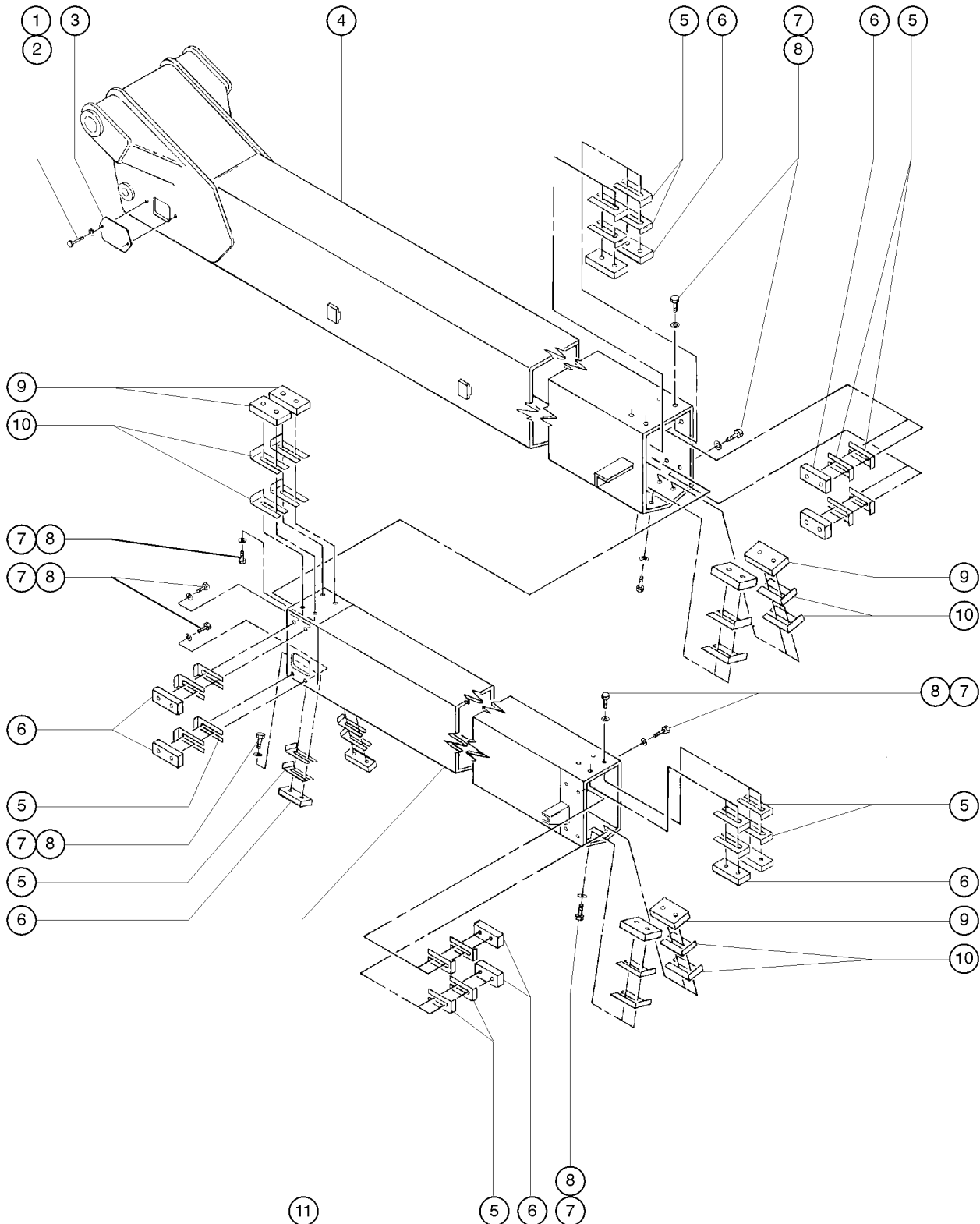
602.2 Boom Assembly - View 1 (from SN 3649)



602.2 Boom Assembly - View 1 (from SN 3649)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	18383	SNAP RING,EXTERNAL,1.5 DIA***	2	29	36188	VALVE,COUNTERBALCACA-LHN@2000.2	
2	18596	WASHER,FLAT,1.56 X 2.5 X .061		30	36207	VALVE,COUNTERBALCWCA-LHN@2000.1	
3	34268	PIN,1.50DIA X 14.41LG,2RING	1				
4	58028	BOOM TUBE ASSY. FLAT BTM.....	1				
--	34131	BEARING,2.50IDX3.00ODX2.00L....	2				
5	6175	SCREW,HHC,3/8-16 X 1.....	10				
6	6021	WASHER,LOCK,,.375.....	18				
7	34170	EXT.CYL.MOUNTING PIN WLDMT.....	2				
8	53019-S	WELD,BOOM,#2,FLAT BOTTOM.....	1				
9	53036	WEAR PAD,EXTENSION CYLINDER.....	4				
10	6884	SCREW,HHC,1/4-20 X 2.5.....	2				
11	6638	WASHER,FLAT,USS,1/4"Y.....	8				
12	6091	NUT,NYLOCK,1/4-20.....	6				
13	4266	SCREW,HHC,1/4-20 X 2.....	4				
14	40134	VALVE,SEQUENCE,SUN S60/80 EXT.....	1				
15	53036	WEAR PAD,EXTENSION CYLINDER.....	2				
16	30217	SNAP RING,EXTERNAL,1.25 DIA.**	2				
17	30255	WASHER,SHIM,1.27 X 2.13 X .062					
18	T108079	PIN,1.25DIA X 8.30LG,2RING	1				
19	227148	ASSY,S60/65 BOOM TUBE,FLATBOT.....	1				
20	30138	WEAR PAD,5 X 1.5 X .625 W/NUTS.....	6				
21	8255	SCREW,HHC,3/8-16 X .75.....	4				
22	29080	SHIM,WEAR PAD,5X 1.5 16GA					
23	38620	SHIM,WEAR PAD,5 X 1.5,14GA.....	2				
24	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	4				
25	34344	SHIM,SIDE PAD 16GA. 3 X 5					
26	38621	SHIM,PAD,5 X 3.....	2				
27	34124	WEAR PAD,5 X 3 X .625 W/INSER.....	2				
28	63201	EXTENSION CYLINDER ASSY.S60**.....	1				
		<i>includes Index No's. 9, 15, 29 and 30</i>					
--	63340	SEAL KIT,CYL,S60 (63201)***	1				
--	63341	SEAL KIT,CYL,S60 (63201)***	1				

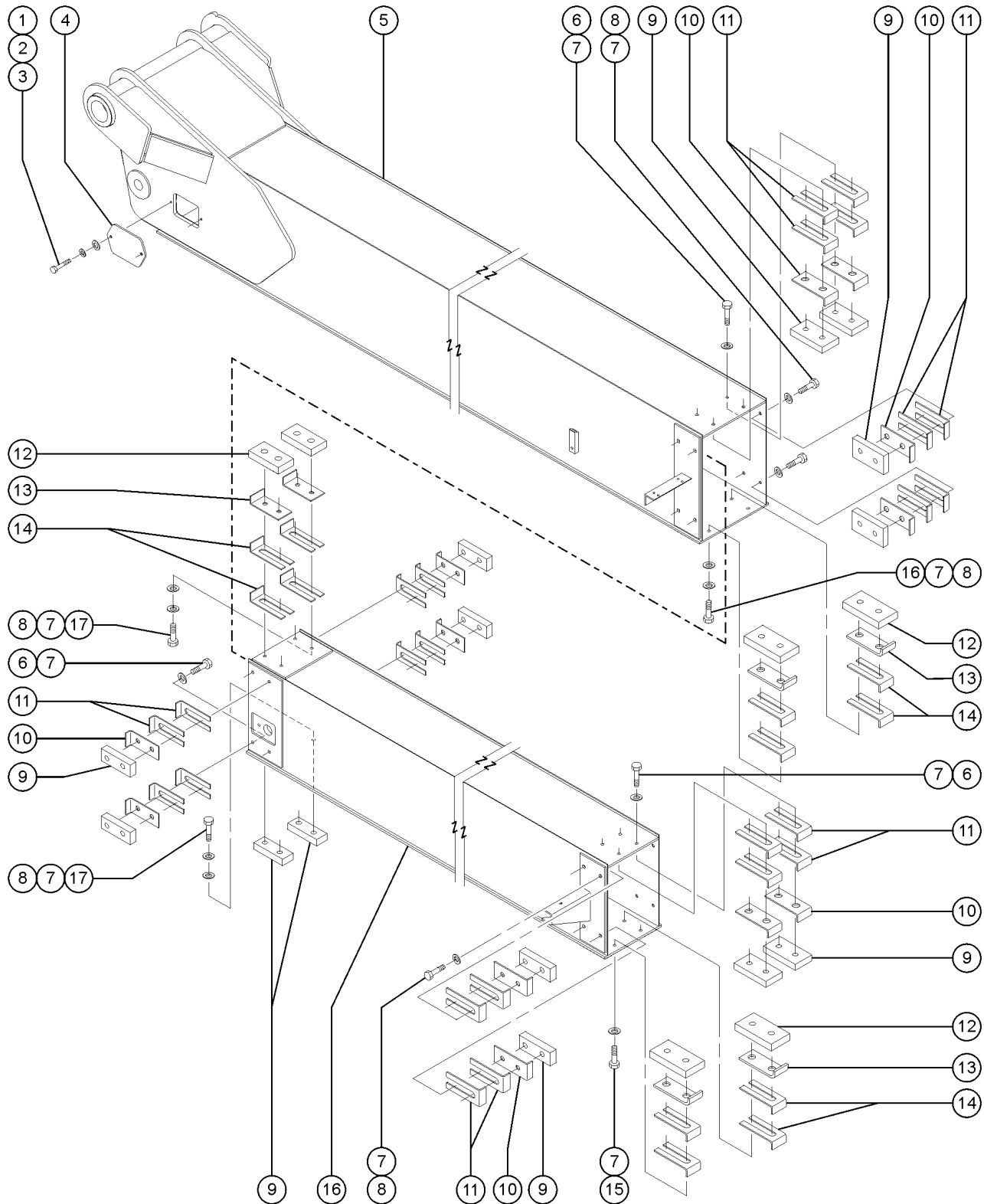
603.1 Boom Assembly - View 2 (to SN 3648)



603.1 Boom Assembly - View 2 (to SN 3648)

Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....	4
2	6356	WASHER,LOCK,.25.....	4
3	34284P-S	COVER,BOOM SECTION #1 PAINTED.....	2
4	33947	BOOM TUBE ASSEMBLY.....	1
5	29080	SHIM,WEAR PAD,5X 1.5 16GA	
6	30138	WEAR PAD,5 X 1.5 X .625 W/NUTS.....	18
7	6175	SCREW,HHC,3/8-16 X 1.....	48
8	6021	WASHER,LOCK,.375.....	48
9	34124	WEAR PAD,5 X 3 X .625 W/INSER.....	2
10	34344	SHIM,SIDE PAD 16GA. 3 X 5	
11	34429	WELD,BOOM,#2,V-BOTTOM.....	1

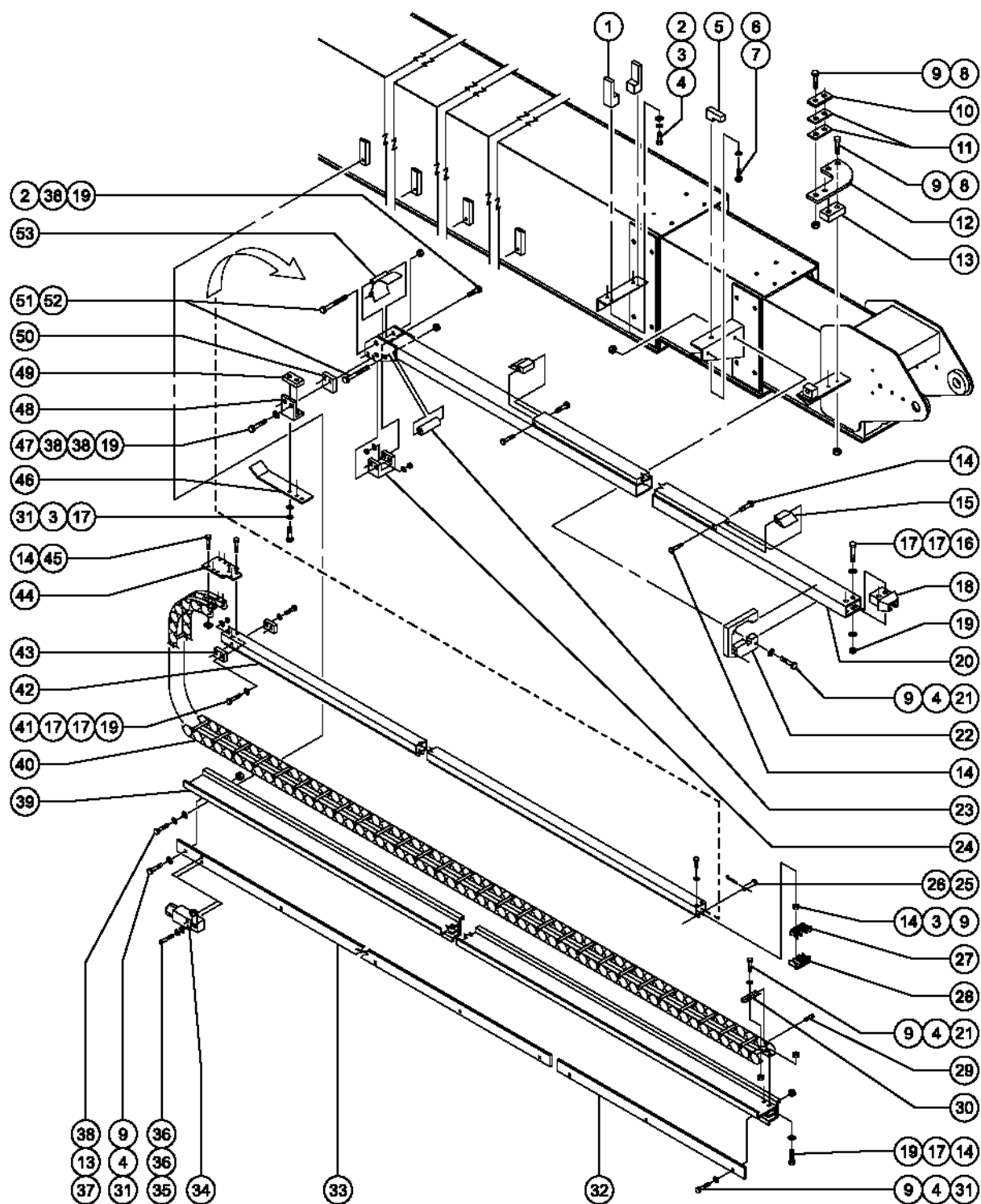
603.2 Boom Assembly - View 2 (from SN 3649)



603.2 Boom Assembly - View 2 (from SN 3649)

Item	Part No.	Description	Qty.
1	8914	SCREW,HHC,1/4-20 X .625.....	4
2	6356	WASHER,LOCK,.25.....	4
3	6638	WASHER,FLAT,USS,1/4"Y.....	4
4	34284P-S	COVER,BOOM SECTION #1 PAINTED.....	2
5	58028	BOOM TUBE ASSY. FLAT BTM.....	1
--	34131	BEARING,2.50IDX3.00ODX2.00L....	2
6	6175	SCREW,HHC,3/8-16 X 1.....	20
7	6021	WASHER,LOCK,.375.....	48
8	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	24
9	30138	WEAR PAD,5 X 1.5 X .625 W/NUTS.....	18
10	38620	SHIM,WEAR PAD,5 X 1.5,14GA....	16
11	29080	SHIM,WEAR PAD,5X 1.5 16GA	
12	34124	WEAR PAD,5 X 3 X .625 W/INSER.....	6
13	38621	SHIM,PAD,5 X 3.....	6
14	34344	SHIM,SIDE PAD 16GA. 3 X 5	
15	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	4
16	53019-S	WELD,BOOM,#2,FLAT BOTTOM.....	1
17	6097	WASHER,FLAT,USS,3/8",Y.....	12

604.1 Cable Track Installation



604.1 Cable Track Installation

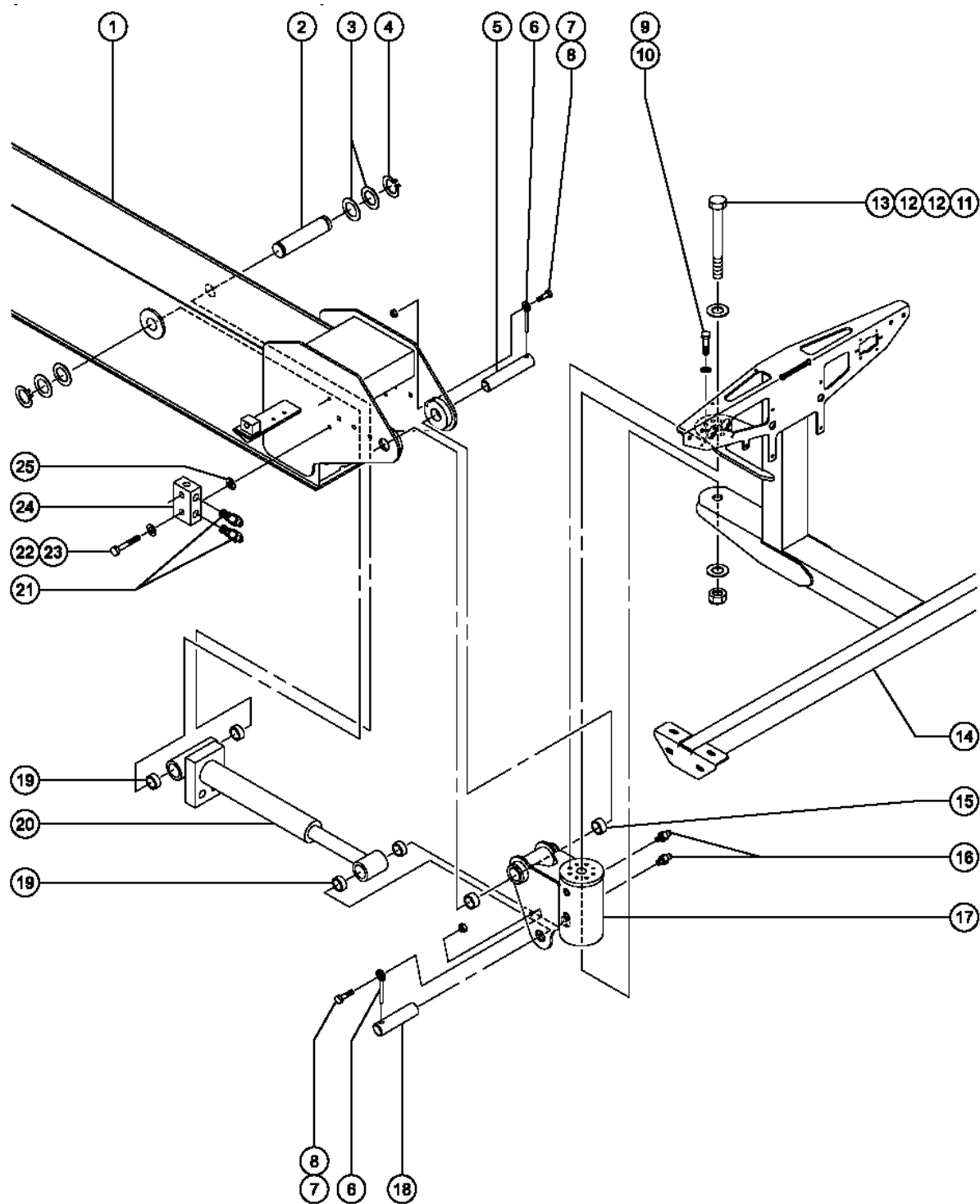
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	34636	WEAR PAD,CABLE TRCK OUTER TUBE.....	2	34	88356-11103	SWITCH,LIMIT,W/RLR ARM,NO/NC.....	1
2	6145	SCREW,HHC,1/4-20 X 1.5.....	4	35	6179	SCREW,RHM,10-32 X 1.25.....	2
3	6356	WASHER,LOCK,.25.....	8	36	6607	WASHER,LOCK,#10 PLTD.....	4
4	6638	WASHER,FLAT,USS,1/4"Y.....	14	37	8255	SCREW,HHC,3/8-16 X .75.....	4
5	34394	WEAR PAD,BOTTOM,CABLE TRACK.....	1	38	5397	WASHER,FLAT,USS,5/16",Y.....	10
6	13918	SCREW,HHC,3/8-16 X 1.75,GRD.8.....	1	39	43858	CABLE TRACK TRAY,DRILLED,S60.....	1
7	6021	WASHER,LOCK,.375.....	5	40A	43483	TRACK,STEEL CABLE,86 LINKS***.....	1
8	4266	SCREW,HHC,1/4-20 X 2.....	4			<i>Stainless Steel; includes item number 28</i>	
9	6091	NUT,NYLOCK,1/4-20.....	24	--	46677	REPAIR LINK,3 LINKS (STEEL).....	1
10	46751P-S	CABLE CLAMP.....	1			<i>for 48483</i>	
11	46765	PAD,CABLE CLAMP.....	2	40B	73996	CABLETRACK,PLATED, 87 LINK***.....	1
12	46750P-S	BRACKET, CABLE CLAMP.....	1			<i>Standard Cable track</i>	
13	46752	SPACER, CABLE CLAMP.....	1	--	65873	ROLLER,POLY,STEEL TRACK(43484).....	1
14	8914	SCREW,HHC,1/4-20 X .625.....	12	--	72268	END SET,STEEL43482,43483,43484.....	1
15	41751	TUBE DEFLECTOR,PLASTIC.....	2	--	72330	SCREW,10-32 X.5 TORX PAN HD.....	1
16	6115	SCREW,HHC,1/4-20 X 3.5.....	2	--	72354	ROLLER,ALUM TUBE,ST.TRK.43484.....	1
17	30748	WASHER,SHIM,1.01 X 1.63 X.062.....	18	--	81007	REPAIR LINK, 4 LINKS PLATED <i>for 73996</i>	
18	41750	COW CATCHER,PLASTIC.....	1	41	6888	SCREW,HHC,1/4-20 X 1.....	4
19	6889	NUT,LP NYLOCK,1/4-20.....	10	42	43853-S	EXU.,CABLE TRK.SUPPT,210"DRIL*.....	1
20	34660-S	CABLE TRACK TUBE WELDMENT S60.....	1	--	27258	TRIM,RUBBER EDGE,5/8 (BY INCH) <i>order as needed</i>	
21	6637	SCREW,HHC,1/4-20 X 1.75.....	2	43	31411	WEAR PAD,CABLE TRACK.....	2
22	34323	WEAR PAD,CABLE TRACK.....	1	44	43191P-S	PLATE,CABLE TRACK,PAINTED.....	1
23	40653	ROLLER,UHMW.....	1	45	56912	SPRING CLIP,1/4-20,.025-.15X.5.....	4
24	43128	SLIDER BAR.....	1	46	36204P-S	BRACKET,LIMIT SWITCH EXT,BLUE*.....	1
25	34746	PIN,CLEVIS,.50 X 2.00 LG.....	1	47	8179	SCREW,HHC,1/4-20 X 2.25.....	2
26	5361	PIN,COTTER,.125 X 1.5.....	1	48	41031P-S	ANGLE,CABLE TRACK TUBE,PAINTED.....	1
27	63432	CLAMP,HOSE,BOTTOM,MOLDED..	1	49	41029	WEAR PAD,3 X 2 X .5 W/INSERT....	1
28	63433	CLAMP,HOSE,TOP,MOLDED.....	1	50	41030	WEAR PAD,2.25 X 2.50 X .5.....	1
29	57075	SCREW,PHIL,8-32X.50,SELF TAP.....	2	51	22832	SCREW,HHC,3/8-16 X 6.....	3
30	46766	CLAMP, CABLE TRACK.....	1	52	7713	NUT,LP NYLOCK,3/8-16.....	3
31	6090	SCREW,HHC,1/4-20 X .75.....	12				
32	33054-S	COVER,CABLE TRACK TRAY,S60,'95.....	1				
33	33053-S	COVER,CABLE TRACK TRAY,S60,95'.....	1				

604.1 Cable Track Installation
(continued)

Item	Part No.	Description	Qty.
53	36593	WELDMENT,CABLE TRACK GUIDE**	1

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605.1 Slave Cylinder and Platform Rotator (to SN 7400)



605.1 Slave Cylinder and Platform Rotator (to SN 7400)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Boom Installation (refer to Figure 6-B)		--	122699	UNION, 4-4 ORFS-JIC, 4 XHLO to SN 7025	
2	T108079	PIN,1.25DIA X 8.30LG,2RING.....	1	--	122944	SEAL KIT,8K ROTATOR*** to SN 7025	
3	30255	WASHER,SHIM,1.27 X 2.13 X .062.....	4	--	27035	SCREW,SHC,3/8-16 X .75,BLACK to SN 7025	
4	30217	SNAP RING,EXTERNAL,1.25 DIA.**.....	2	--	48907	ELBOW,45D,520320-4 to SN 7025	
5	T108078	PIN,1.25DIA X 9.50LG,1HOLE.....	1	--	49119-3378	HOSE ASSY,1/4,STR FEM,STR FEM to SN 7025	
6	45226	ROD END,,375 X 3.69.....	2	--	6145	SCREW,HHC,1/4-20 X 1.5 to SN 7025	
7	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	2	--	6356	WASHER,LOCK,,.25 to SN 7025	
8	4828	NUT,NYLOCK,3/8-16.....	2	--	65842	SEAL KIT,UNIVERSAL,9K ROTATOR*.....	1
9	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	6			to SN 7025	
--	6175	SCREW,HHC,3/8-16 X 1.....	8	--	73807	MANIFOLD,ROTATOR,CB*** to SN 7025	
		from SN 7025		--	77877	SHAFT ADAPTER, HELAC ROTATOR to SN 7025	
10	6033	WASHER,LOCK,0.5".....	6	--	94398	ROTATOR,PLAT,NON-JIB to SN 7025	
		to SN 7024		17B	111172	STICK BOOM ROTATOR SERVICE KIT.....	1
--	6097	WASHER,FLAT,USS,3/8",Y.....	8			from SN 7026 to 7400	
		from SN 7025		--	122697	UNION, 4-4 ORFS-ORFS, 4 HLO....	2
11	30286	SCREW,HHC,1-8 X 12IN GRD.2***.....	1			from SN 7026 to 7400	
		to SN 7024		--	122944	SEAL KIT,8K ROTATOR***.....	1
--	73928	SCREW,HHC,1-8 X 11,GRD 5***.....	1			from SN 7026 to 7400	
		from SN 7025		--	48907	ELBOW,45D,520320-4.....	2
12	122079	WASHER,FLAT,1.000,HARDENED..	2			from SN 7026 to 7400	
		to SN 7024		--	49119-3378	HOSE ASSY,1/4,STR FEM,STR FEM.....	2
--	38859	WASHER,FLAT,USS,1",Y.....	2			from SN 7026 to 7400	
		from SN 7025		--	6145	SCREW,HHC,1/4-20 X 1.5.....	3
13	29764	NUT,NYLOCK,1-8.....	1			from SN 7026 to 7400	
14	50144-S	PLATFORM SUPPORT WELDMNT***.....	1	--	6356	WASHER,LOCK,,.25.....	3
		to SN 7024				from SN 7026 to 7400	
--	60370-S	PLATFORM SUPPORT WELDMNT-SERV*.....	1	--	65842	SEAL KIT,UNIVERSAL,9K ROTATOR*.....	1
		from SN 7025				from SN 7026 to 7400	
15	30219	BEARING,FL,1.25ID X 1.41OD X 1.....	2	--	73807	MANIFOLD,ROTATOR,CB***.....	1
16	13852	VALVE ASSY,BLEED***.....	2			from SN 7026 to 7400	
17A	77874	ROTATOR ASSEMBLY,8.2K***.....	1	--	75395	BEARING KIT,PLAT ROTATOR,SUPER from SN 7026 to 7400	
		update kit, includes Index No's. 15 and 16; to SN 7025					
--	122697	UNION, 4-4 ORFS-ORFS, 4 HLO to SN 7025					
--	122698	UNION, 6-4 ORFS-ORFS, 6-4 HLO to SN 7025					

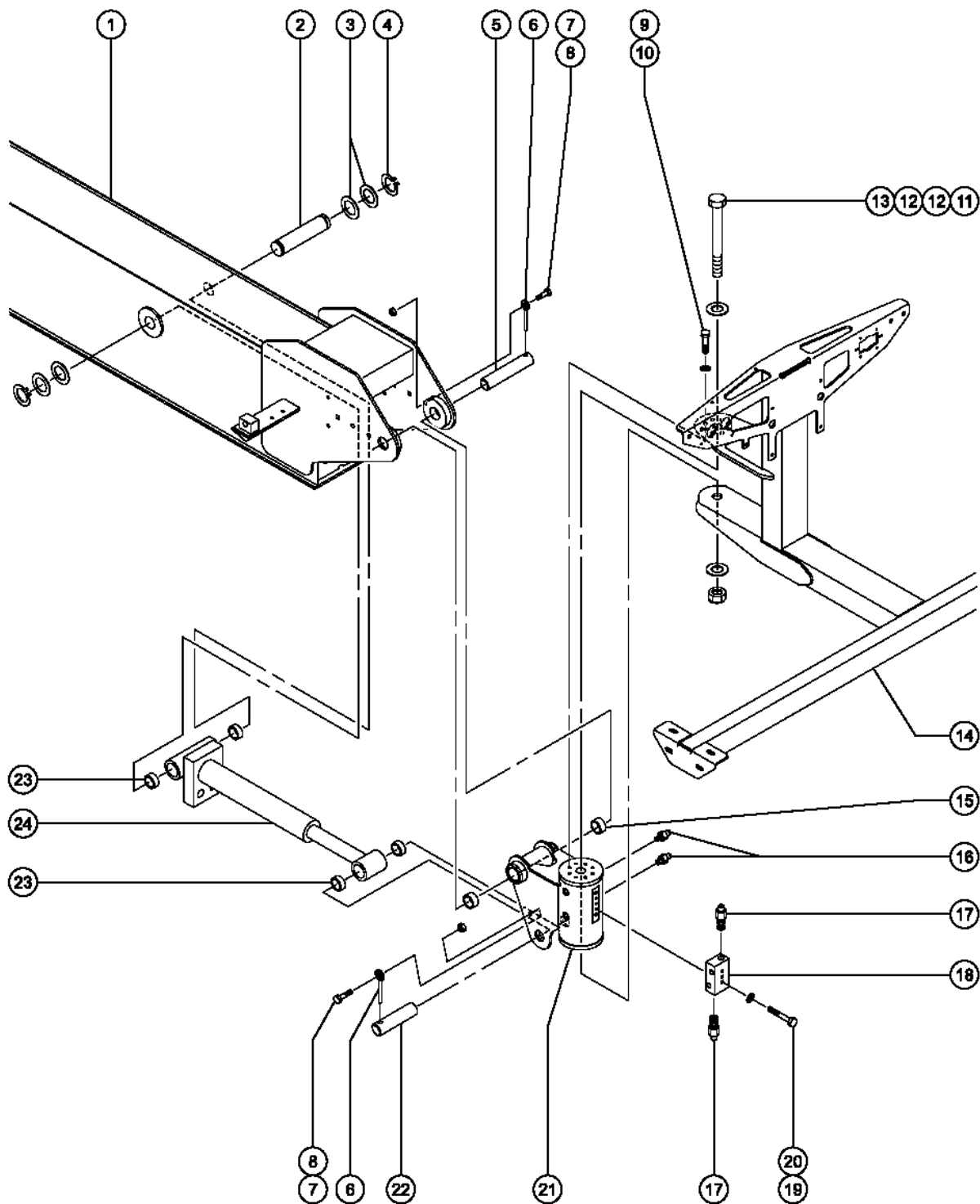
605.1 Slave Cylinder and Platform Rotator (to SN 7400) (continued)

Item	Part No.	Description	Qty.
--	97398	SCREW,PRESS.SWITCH COVER.....1 <i>from SN 7026 to 7400</i>	1
17C	31498	BEARING KIT,ROTATOR,9K***1 <i>for rotator 30669; check stamp on part prior to ordering</i>	1
17D	75395	BEARING KIT,PLAT ROTATOR,SUPER.....1 <i>for rotator 73499; check stamp on part prior to ordering</i>	1
18	T108075	PIN,1.25DIAX5.25LG,1HOLE.....1	1
19	25683	BEARING,POLYGON,20DU12.....4	4
20	63210	CYLINDER,SLAVE,3 X 11.38***1 <i>includes Index No. 19</i>	1
--	43169	VALVE,COUNTERBALANCE***2 <i>for blue cylinder</i>	2
--	59267	VALVE,COUNTERBALCACG-LGN@3500.2 <i>for black cylinder</i>	2
--	63350	SEAL KIT,CYL (63210).....1	1
21	32722	VALVE,COUNTERBALCBCG-LJN@3000.2	2
22	8915	SCREW,HHC,1/4-20 X 1.25.....2	2
23	6356	WASHER,LOCK,.25.....2	2
24	30823	VALVE,DUAL CB MANIFOLD.....1 <i>includes Index No. 21</i>	1
25	6638	WASHER,FLAT,USS,1/4"Y.....2	2

605.1 Slave Cylinder and Platform Rotator (to SN 7400)
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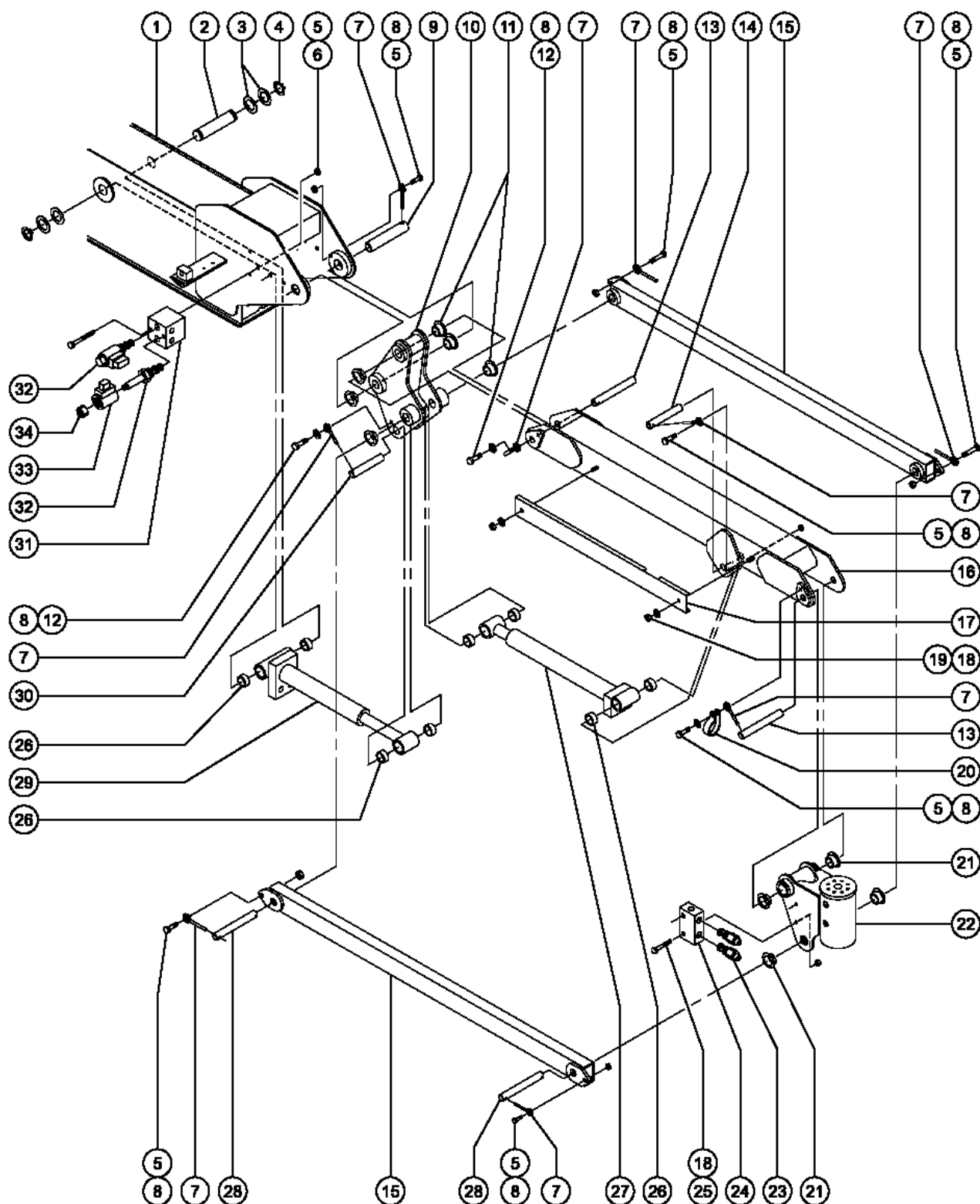
605.2 Slave Cylinder and Platform Rotator (from SN 7401)



605.2 Slave Cylinder and Platform Rotator (from SN 7401)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	-	Ref. Boom Installation (refer to Figure 6-B)		--	59267	VALVE,COUNTERBALCACGLGN@3500.2 for black cylinder	
2	T108079	PIN,1.25DIA X 8.30LG,2RING.....	1	--	63350	SEAL KIT,CYL (63210).....	1
3	30255	WASHER,SHIM,1.27 X 2.13 X .062.....	4				
4	30217	SNAP RING,EXTERNAL,1.25 DIA.**.....	2				
5	T108078	PIN,1.25DIA X 9.50LG,1HOLE.....	1				
6	45226	ROD END,.375 X 3.69.....	2				
7	8516	SCREW,HHC,3/8-16 X 1.50,GR5....	2				
8	4828	NUT,NYLOCK,3/8-16.....	2				
9	6175	SCREW,HHC,3/8-16 X 1.....	8				
10	6097	WASHER,FLAT,USS,3/8",Y.....	8				
11	73928	SCREW,HHC,1-8 X 11,GRD 5***.....	1				
12	122079	WASHER,FLAT,1.000,HARDENED..	2				
13	29764	NUT,NYLOCK,1-8.....	1				
14	60370-S	PLATFORM SUPPORT WELDMNT-SERV*.....	1				
15	30219	BEARING,FL,1.25ID X 1.41OD X 1.....	2				
16	13852	VALVE ASSY,BLEED***.....	2				
17	62506	VALVE - COUNTERBALANCE**.....	2				
18	73807	MANIFOLD,ROTATOR,CB***..... <i>includes Index No. 17</i>	1				
19	6145	SCREW,HHC,1/4-20 X 1.5.....	3				
20	6356	WASHER,LOCK,.25.....	3				
21	94398	ROTATOR,PLAT,NON-JIB..... <i>includes Index No's. 15 and 16</i>	1				
--	122944	SEAL KIT,8K ROTATOR*** <i>for rotator 94398; check stamp on part prior to ordering</i>					
--	62417	SEAL KIT,PLAT ROTATE***..... <i>for rotator 73917; check stamp on part prior to ordering</i>	1				
--	75395	BEARING KIT,PLAT ROTATOR,SUPER..... <i>for rotator 73917; check stamp on part prior to ordering</i>	1				
22	T108075	PIN,1.25DIA X 5.25LG,1HOLE.....	1				
23	25683	BEARING,POLYGON,20DU12.....	4				
24	63210	CYLINDER,SLAVE,3 X 11.38***..... <i>includes Index No. 19</i>	1				
--	43169	VALVE,COUNTERBALANCE***..... <i>for blue cylinder</i>	2				

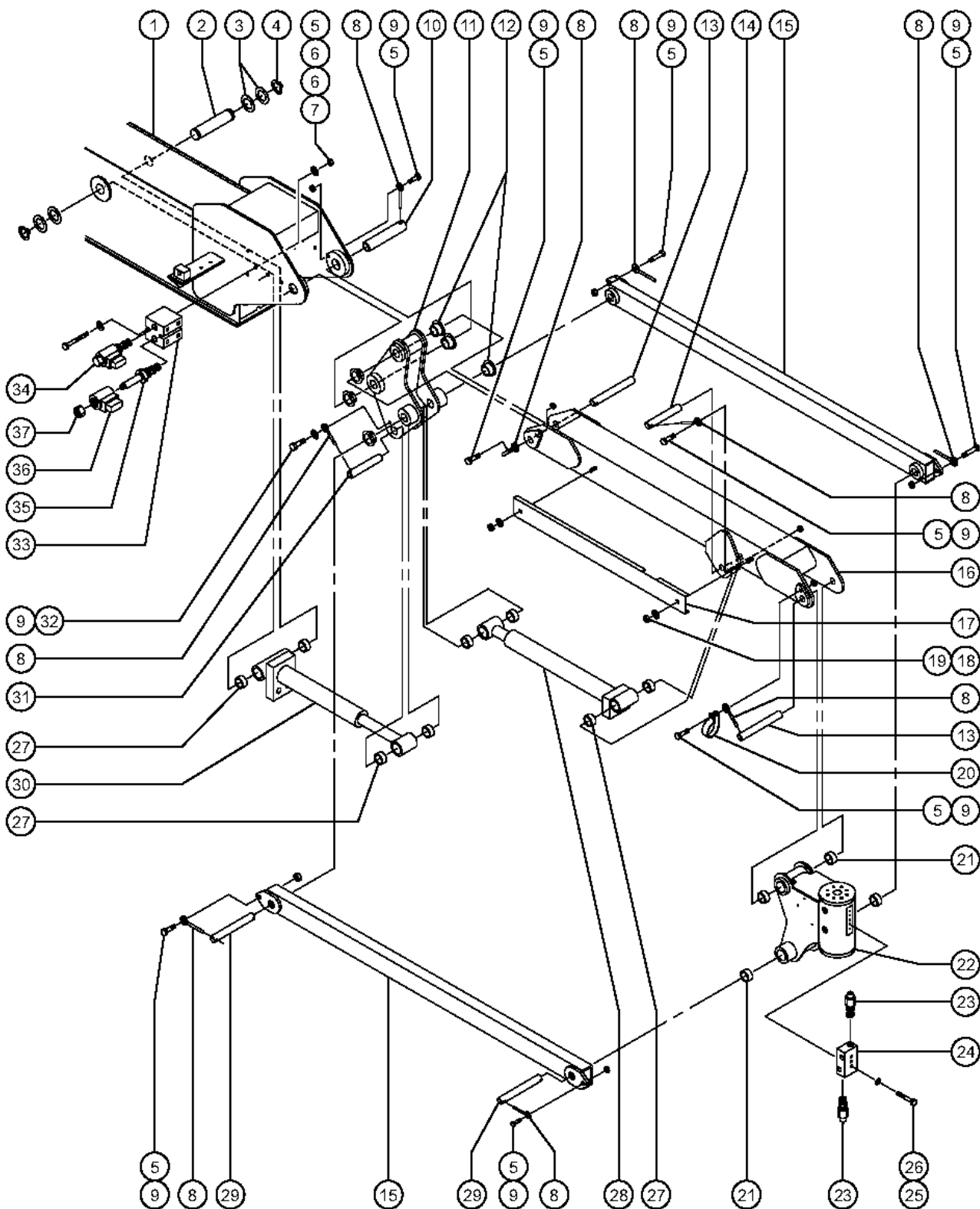
606.1 Jib Boom and Platform Rotator (to SN 7400)



606.1 Jib Boom and Platform Rotator (to SN 7400)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Boom Assembly <i>refer to section 602.1</i>		--	75395	BEARING KIT,PLAT ROTATOR,SUPER <i>for rotator 94397; check stamp on part prior to ordering</i>	
2	T108079	PIN,1.25DIA X 8.30LG,2RING.....	1	--	88516	SCREW,BLEEDER,M5X0.8 <i>for rotator 94397; check stamp on part prior to ordering</i>	
3	30255	WASHER,SHIM,1.27 X 2.13 X .062.....	4	22B	77875	ROTATOR ASSEMBLY,8.2K***1 <i>includes Index No. 21; to SN 7024 (when installing PN 77875 as a replacement for rotator PN 30947, 74398 or 60505, rotator manifold PN 30823, sold separately, must also be ordered)</i>	
4	30217	SNAP RING,EXTERNAL,1.25 DIA.**.....	2	--	62417	SEAL KIT,PLAT ROTATE***1 <i>for rotator 60505</i>	
5	4828	NUT,NYLOCK,3/8-16.....	6	23	32722	VALVE,COUNTERBAL CBCG-LJN@3000.2	
6	21604	SCREW,HHC,3/8-16 X 3.25.....	2	24	30823	VALVE,DUAL CB MANIFOLD.....1 <i>includes Index No. 23</i>	
7	45226	ROD END,.375 X 3.69.....	9	25	8179	SCREW,HHC,1/4-20 X 2.25.....	2
8	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	9	26	25683	BEARING,POLYGON,20DU12.....	8
9	T108078	PIN,1.25DIA X 9.50LG,1HOLE.....	1	27	63213	CYLINDER,JIB (STICK BOOMS).....1 <i>includes 4 each Index No. 26</i>	
10	89801	BELLCRANK ASSY W/BEARINGS.....1 <i>includes Index No. 11</i>	1	--	33428	VALVE,COUNTERBALANCE.....	1
11	35675	BEARING,FL,1.25ID X 1.50DX 1.25L.6		--	63353	SEAL KIT,CYL,S65 (63213).....	1
12	6021	WASHER,LOCK,.375.....	3	28	81175	PIN,1.25DIA X 14.45LG,2HOLE.....	2
13	T108076	PIN,1.25DIA X 7.88LG,1HOLE.....	2	29	63210	CYLINDER,SLAVE,3 X 11.38***.....1 <i>includes 4 each Index No. 26</i>	
14	T108077	PIN,1.25DIA X 7.00LG,1HOLE.....	1	--	43169	VALVE,COUNTERBALANCE*** <i>for blue cylinder</i>	
15	61306-S	COMPR.LINK,MACHINED,GND CONTR*.....	2	--	59267	VALVE,COUNTERBAL CACG-LGN@3500.1 <i>for black cylinder</i>	
16		SERVICE KIT, 5FT JIB.....1 <i>see section 609.1 for jib detail</i>	1	--	63350	SEAL KIT,CYL (63210).....	1
17	54527-S	CABLE COVER,JIB***.....	1	30	T108075	PIN,1.25DIA X 5.25LG,1HOLE.....	1
18	6091	NUT,NYLOCK,1/4-20.....	4	31	73616	MANIFOLD,JIB SELECT***1 <i>includes Index No's. 32 through 34</i>	
19	6356	WASHER,LOCK,.25.....	6	32	29066	VALVE,SOLENOID,10V,2POS 3WAY**.....2 <i>includes Index No. 33 and 34</i>	
20	32339	CLAMP,1.75,#28 X 3/8,RUB CUSH*.....	1	33	27814	COIL,SOLENOID,10V.....	1
21	30219	BEARING,FL,1.25ID X 1.41OD X 1.....	4	34	45912	NUT,SOLENOID,2POS 3WAY.....	1
22A	94397	ROTATOR,PLAT JIB,160 DEG***.....1 <i>includes Index No. 21; from SN 7025</i>	1				
--	122944	SEAL KIT,8K ROTATOR*** <i>for rotator 94397; check stamp on part prior to ordering</i>					
--	13852	VALVE ASSY,BLEED***1 <i>for rotator 30947, 74398 and 60505; check stamp on part prior to ordering</i>	1				
--	31498	BEARING KIT,ROTATOR,9K***1 <i>for rotator 30947, 74398 and 60505; check stamp on part prior to ordering</i>	1				
--	65842	SEAL KIT,UNIVERSAL,9K ROTATOR*.....1 <i>for rotator 30947, 74398 and 60505; check stamp on part prior to ordering</i>	1				

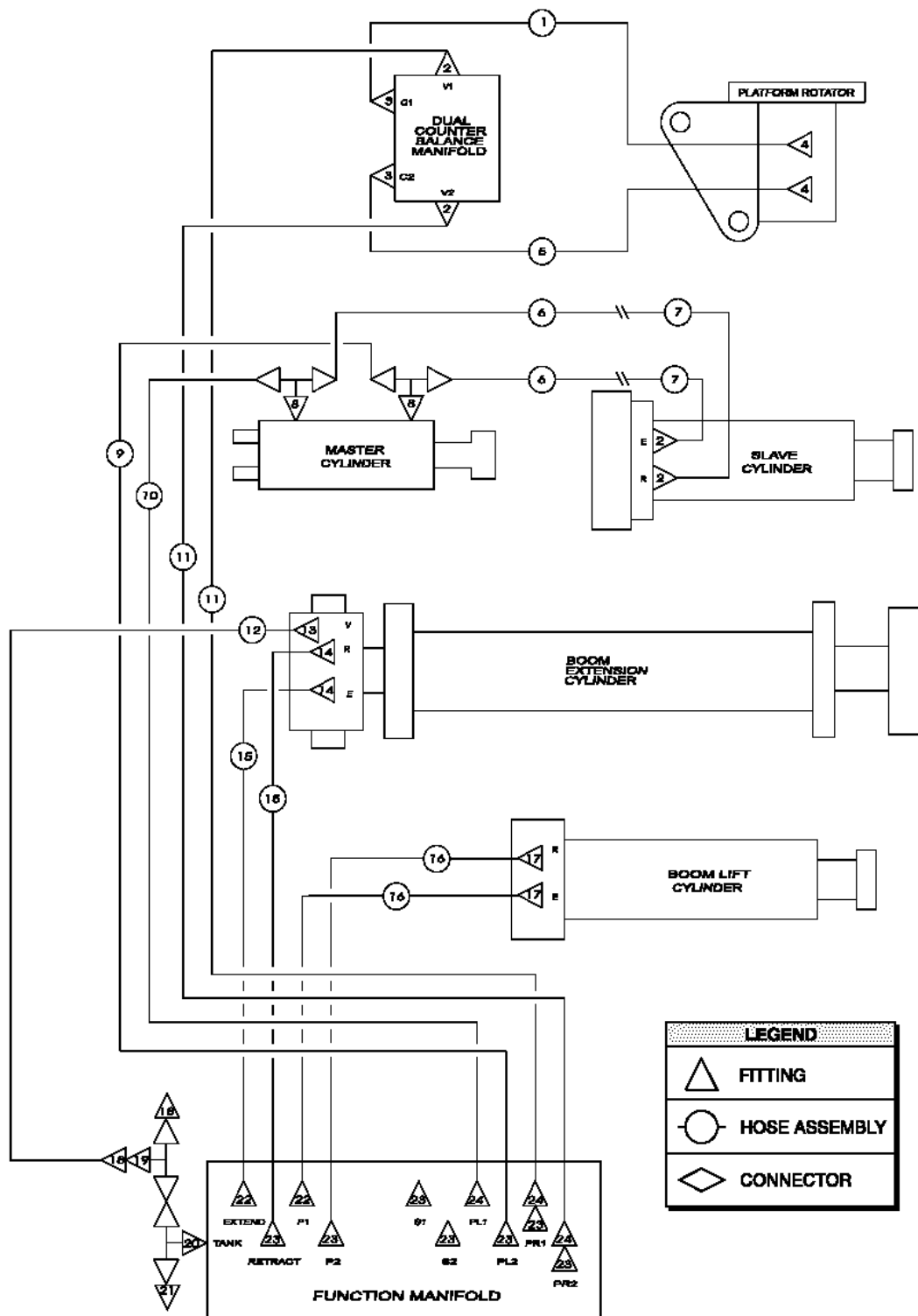
606.2 Jib Boom and Platform Rotator (from SN 7401)



606.2 Jib Boom and Platform Rotator (from SN 7401)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Boom Assembly <i>refer to section 602.1</i>		--	88516	SCREW,BLEEDER,M5X0.8 <i>for rotator 94397; check stamp on part prior to ordering</i>	
2	T108079	PIN,1.25DIAX8.30LG,2RING.....	1	23	32722	VALVE,COUNTERBALCBCG-LJN@3000.2	
3	30255	WASHER,SHIM,1.27 X 2.13 X .062.....	4	24	30823	VALVE,DUAL CB MANIFOLD.....1 <i>includes Index No. 23</i>	
4	30217	SNAP RING,EXTERNAL,1.25 DIA.**.....	2	25	8179	SCREW,HHC,1/4-20 X 2.25.....	3
5	4828	NUT,NYLOCK,3/8-16.....	6	26	6356	WASHER,LOCK,.25.....	9
6	54355	WASHER,FLAT,SAE,3/8",Y.....	2	27	25683	BEARING,POLYGON,20DU12.....	8
7	21604	SCREW,HHC,3/8-16 X 3.25.....	2	28	63213	CYLINDER,JIB (STICK BOOMS).....1 <i>includes 4 each Index No. 27</i>	
8	45226	ROD END,.375 X 3.69.....	9	--	33428	VALVE,COUNTERBALANCE.....	1
9	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	9	--	63353	SEAL KIT,CYL,S65 (63213).....	1
10	T108078	PIN,1.25DIAX9.50LG,1HOLE.....	1	29	81175	PIN,1.25DIAX14.45LG,2HOLE.....	2
11	89801	BELLCRANK ASSY W/BEARINGS.....1 <i>includes Index No. 12</i>		30	63210	CYLINDER,SLAVE,3 X 11.38***.....1 <i>includes 4 each Index No. 27</i>	
12	35675	BEARING,FL,1.25IDX1.5ODX1.25L.6		--	43169	VALVE,COUNTERBALANCE*** <i>for blue cylinder</i>	
13	T108076	PIN,1.25DIAX7.88LG,1HOLE.....	2	--	59267	VALVE,COUNTERBALCACG-LGN@3500.1 <i>for black cylinder</i>	
14	T108077	PIN,1.25DIAX7.00LG,1HOLE.....	1	--	63350	SEAL KIT,CYL (63210).....	1
15	61306-S	COMPR.LINK,MACHINED,GND CONTR*.....	2	31	T108075	PIN,1.25DIAX5.25LG,1HOLE.....	1
16		SERVICE KIT, 5FT JIB.....1 <i>see section 609.1 for jib detail</i>		32	6021	WASHER,LOCK,.375.....	3
17	54527-S	CABLE COVER,JIB***.....	1	33	73616	MANIFOLD,JIB SELECT***.....1 <i>includes Index No's. 34 through 37</i>	
18	6091	NUT,NYLOCK,1/4-20.....	2	34	83005	VALVE, SOLENOID (73616)-SHORT.....1 <i>includes Index No's. 36 and 37</i>	
19	6356	WASHER,LOCK,.25.....	6	35	83006	VALVE, SOLENOID (73616)-LONG**.....1 <i>includes Index No's. 36 and 37</i>	
20	32339	CLAMP,1.75,#28 X 3/8,RUB CUSH*.....	1	36	81043	COIL,SOLENOID,8 DSD 10V,W/DIO.....	1
21	30370	BEARING,1.25IDX1.5ODX1.00L.....	4	37	45912	NUT,SOLENOID,2POS 3WAY.....	1
22	94397	ROTATOR,PLAT JIB,160 DEG***.....1 <i>includes Index No. 21</i>					
--	106421	SEAL KIT,ARCTIC,ROTATOR 8.2K** <i>for rotator 60505; check stamp on part prior to ordering</i>					
--	122944	SEAL KIT,8K ROTATOR*** <i>for rotator 94397; check stamp on part prior to ordering</i>					
--	13852	VALVE ASSY,BLEED***.....1 <i>for rotator 60505; check stamp on part prior to ordering</i>					
--	62417	SEAL KIT,PLAT ROTATE***.....1 <i>for rotator 60505; check stamp on part prior to ordering</i>					
--	75395	BEARING KIT,PLAT ROTATOR,SUPER.....	1				

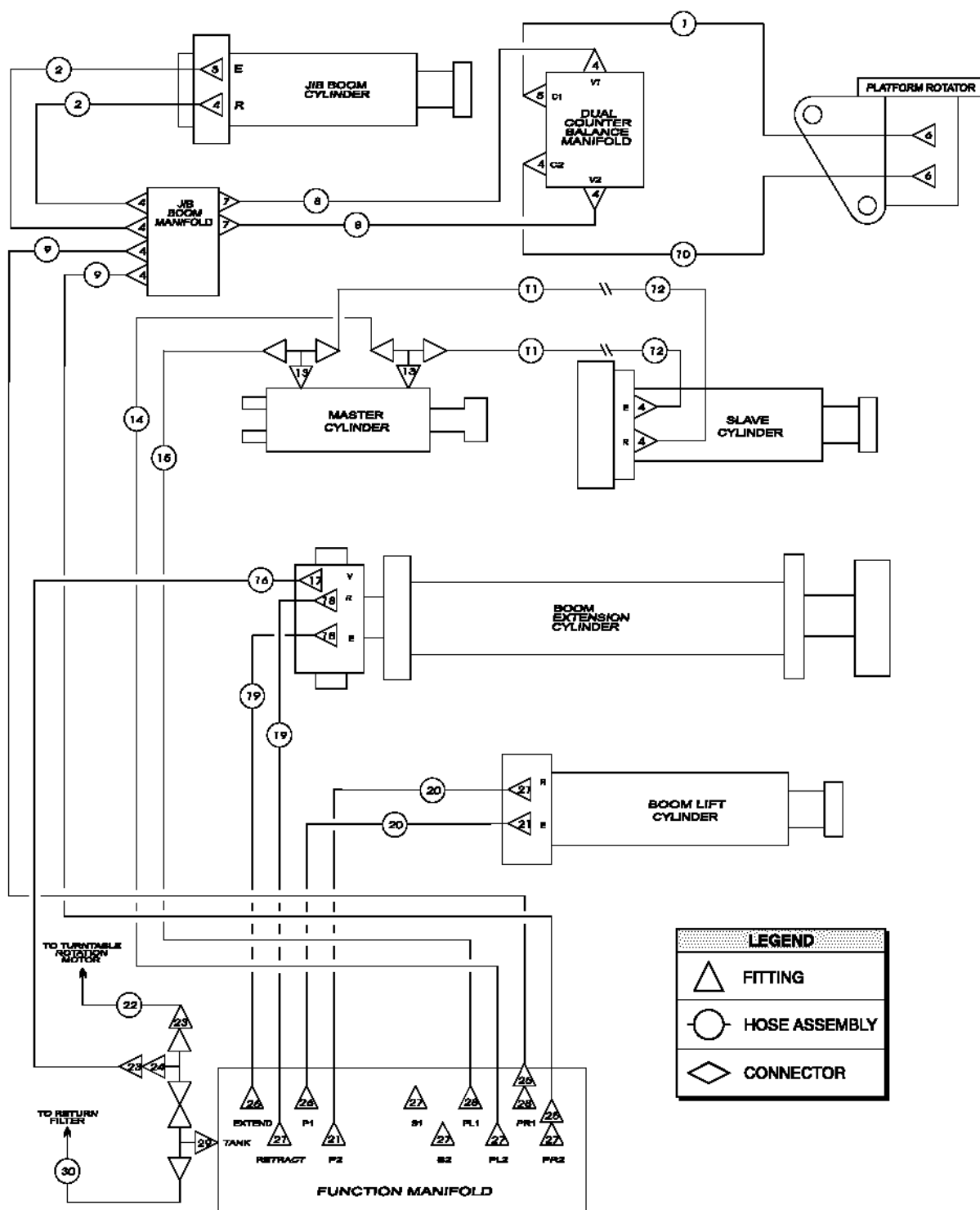
607.1 Hydraulic Hoses and Fittings - S-60



607.1 Hydraulic Hoses and Fittings - S-60

Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	49119-2550-S	HOSE ASSY,1/4,STR FEM,STR FEM.....	1
2	48912	CONN,520120-4-6***	4
3	48911	ELBOW,90D,520220-4-6***	2
4	48802	HOSE END,FEM SW,90D,ORFS,-4***	2
5	49117-3200	HOSE ASSY,1/4,90 FEM,STR FEM.....	1
6	49118-73708	HOSE ASSEMBLY,1/4".....	2
7	49184-2476	HOSE ASSY.....	2
8	48919	TEE,BRANCH,520429-6.....	2
9	49122-14525	HOSE ASSEMBLY-1/4".....	1
10	49122-13750	HOSE ASSEMBLY-1/4".....	1
11	49120-86300	HOSE ASSEMBLY, 1/4".....	2
12	49119-16503	HOSE ASSY,1/4,STR FEM,STR FEM.....	1
13	48907	ELBOW,45D,520320-4.....	1
14	48937	ELBOW,45D,520320-8.....	2
15	49109-16504	HOSE ASSY,1/2,90 FEM,STR FEM.....	2
16	49109-8554	HOSE ASSY,1/2,90 FEM,STR FEM.....	2
17	48933	CONN,520120-8***	4
18	48956	REDUCER,520123-10-4.....	2
19	48955	TEE,RUN,SWIVEL,520432-10.....	1
20	48954	TEE,BRANCH,520429-10.....	1
21	48934	CONN,LONG,520122-8.....	2
22	48916	FITTING,CONN,520120-6.....	4
23	48917	CONN,LONG,520122-6.....	6
24	48892	ELBOW,SWIVEL 90D, 520221-6.....	3

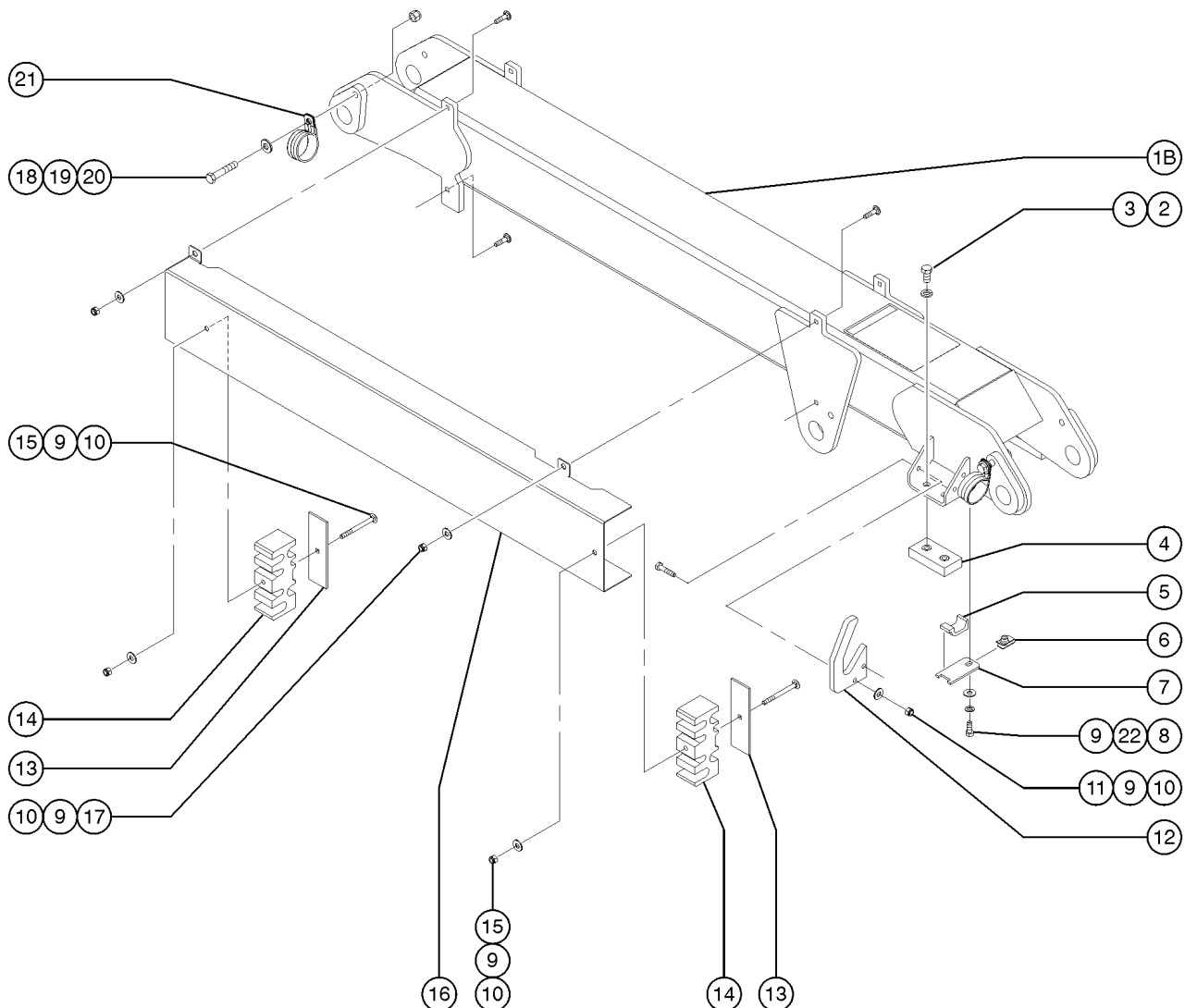
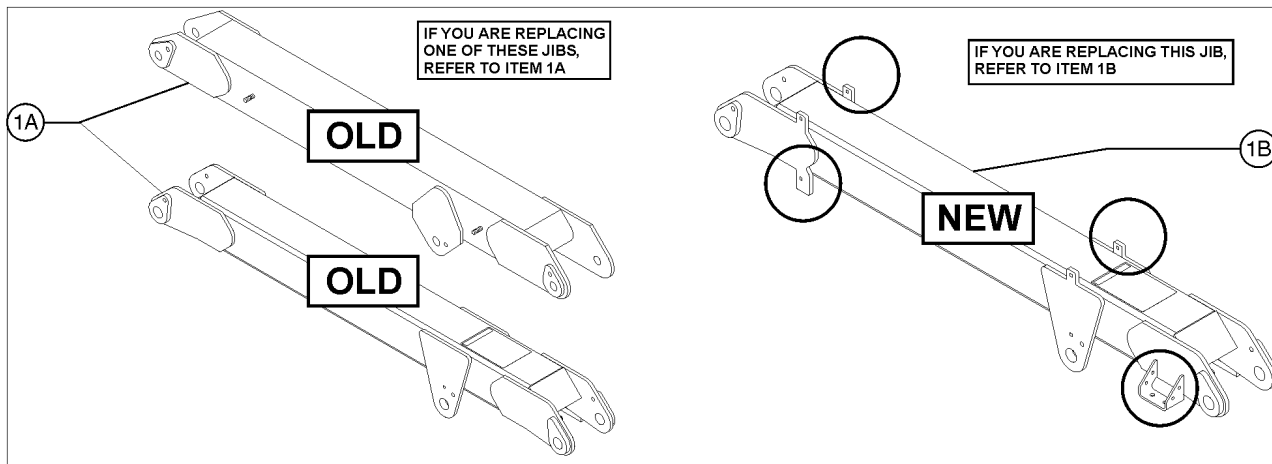
608.1 Hydraulic Hoses and Fittings - S-65



608.1 Hydraulic Hoses and Fittings - S-65

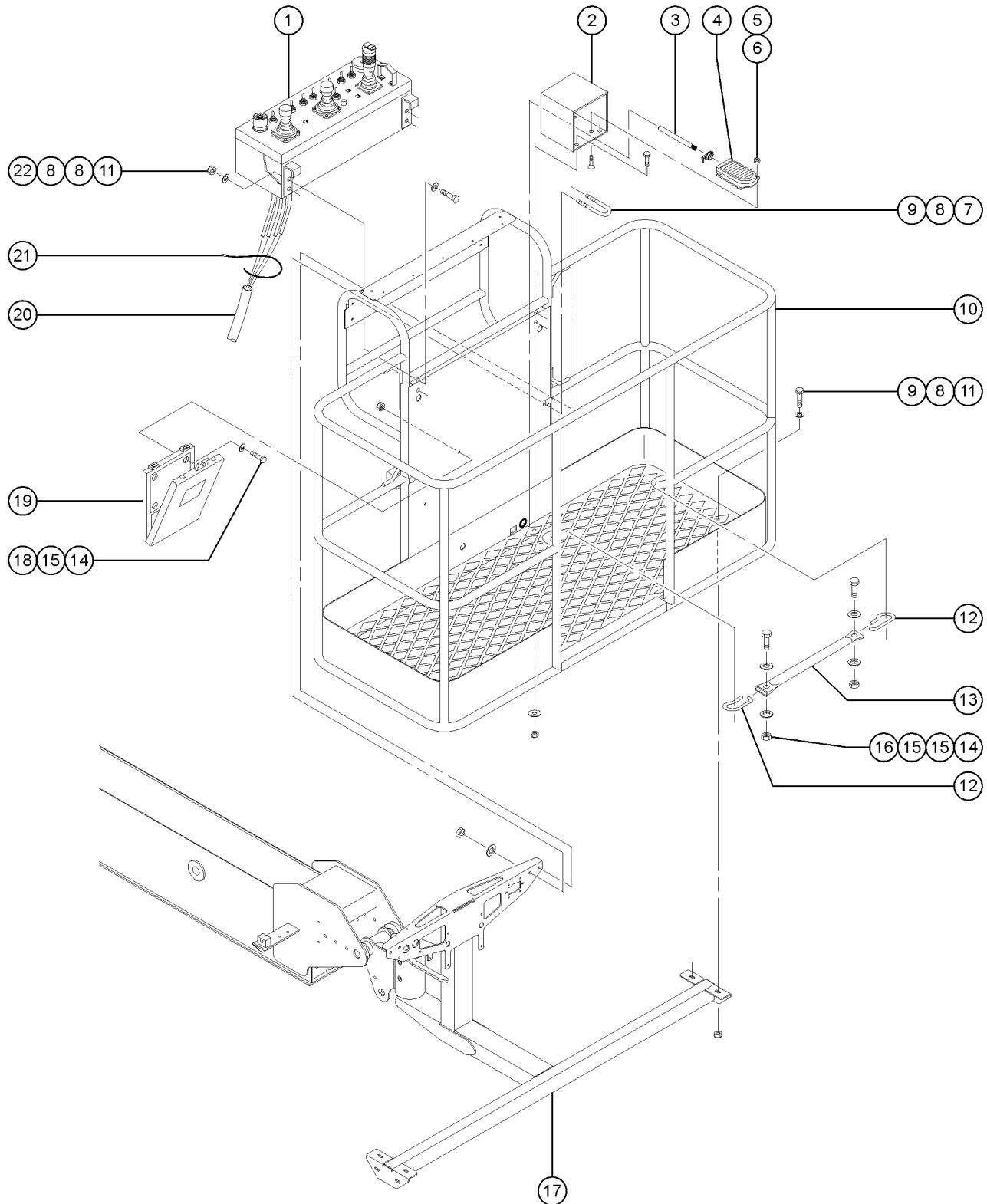
Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	49119-2550-S	HOSE ASSY,1/4,STR FEM,STR FEM.....	1
2	49120-8500	HOSE ASSEMBLY-1/4".....	2
3	48900	CONN,520120-4-6,.035,ORI.....	1
4	48912	CONN,520120-4-6***.....	10
5	48911	ELBOW,90D,520220-4-6***.....	1
6	48886	CONNECTOR,520120-4 SPEC.....	2
7	48913	CONN,520120-4-6,.030 ORI.....	2
8	49119-8500	HOSE ASSY,1/4,STR FEM,STR FEM.....	2
9	49112-83900	HOSE ASSEMBLY-1/4".....	2
10	49120-3200-S	HOSE ASSEMBLY,1/4".....	1
11	49118-73500	HOSE ASSEMBLY-1/4".....	2
12	49121-3088	HOSE ASSY,1/4,STR FEM,STR MALE.....	2
13	48919	TEE,BRANCH,520429-6.....	2
14	49122-14525	HOSE ASSEMBLY-1/4".....	1
15	49122-13750	HOSE ASSEMBLY-1/4".....	1
16	49116-15900	HOSE ASSY,1/4,45 FEM,STR FEM.....	1
17	48907	ELBOW,45D,520320-4.....	1
18	48937	ELBOW,45D,520320-8.....	2
19	49109-16500-S	HOSE ASSY,1/2,90 FEM,STR FEM.....	2
20	49109-8550-S	HOSE ASSY,1/2,90 FEM,STR FEM.....	2
21	48933	CONN,520120-8***.....	4
22	49119-1625	HOSE ASSY,1/4,STR FEM,STR FEM.....	1
23	48956	REDUCER,520123-10-4.....	2
24	48955	TEE,RUN,SWIVEL,520432-10.....	1
25	48892	ELBOW,SWIVEL 90D, 520221-6....	2
26	48934	CONN,LONG,520122-8.....	2
27	48916	FITTING,CONN,520120-6.....	4
28	48917	CONN,LONG,520122-6.....	2
29	48954	TEE,BRANCH,520429-10.....	1
30	49153-1600	HOSE ASSEMBLY-3/4" 100R1.....	1

609.1 Jib Detail



Item	Part No.	Description	Qty.
1A	128513	SERVICE KIT,5FT JIB <i>required for first time replacement (includes part number 128534)</i>	
1B	128534	JIB BOOM ASSY W/WORD DECAL.....1 <i>use ONLY if service kit 128513 has been installed on the machine</i>	
2	8255	SCREW,HHC,3/8-16 X .75	
3	6021	WASHER,LOCK, .375	
4	81640	WEAR PAD,3 X 1.5 X.625 W/NUTS.....1	
5	119542	CLAMP,TWO HOSE.....1	
6	56912	SPRING CLIP,1/4-20,.025-.15X.5.....1	
7	119536	BRACKET,HOSE CLAMP.....1	
8	6888	SCREW,HHC,1/4-20 X 1	
9	6638	WASHER,FLAT,USS,1/4"Y	
10	6091	NUT,NYLOCK,1/4-20	
11	8915	SCREW,HHC,1/4-20 X 1.25	
12	128482	HOSE GUIDE, JIB.....1	
13	128483	BACKING PLATE, HOSE BLOCK, JIB.....2	
14	128501	CLAMP,JIB HOSE/CABLE.....2	
15	128724	BOLT,CARRIAGE,1/4-20 X 2.75,G2	
16	128454P	COVER, JIB HOSES/CABLES.....1	
17	79456	BOLT,CARRIAGE,1/4-20 X 1.00,G2	
18	5224	SCREW,HHC,3/8-16 X 2	
19	5397	WASHER,FLAT,USS,5/16",Y	
20	4828	NUT,NYLOCK,3/8-16	
21	77181	CLAMP,1.63,#26 X 3/8,RUB CUSH.....2	
22	6356	WASHER,LOCK, .25	

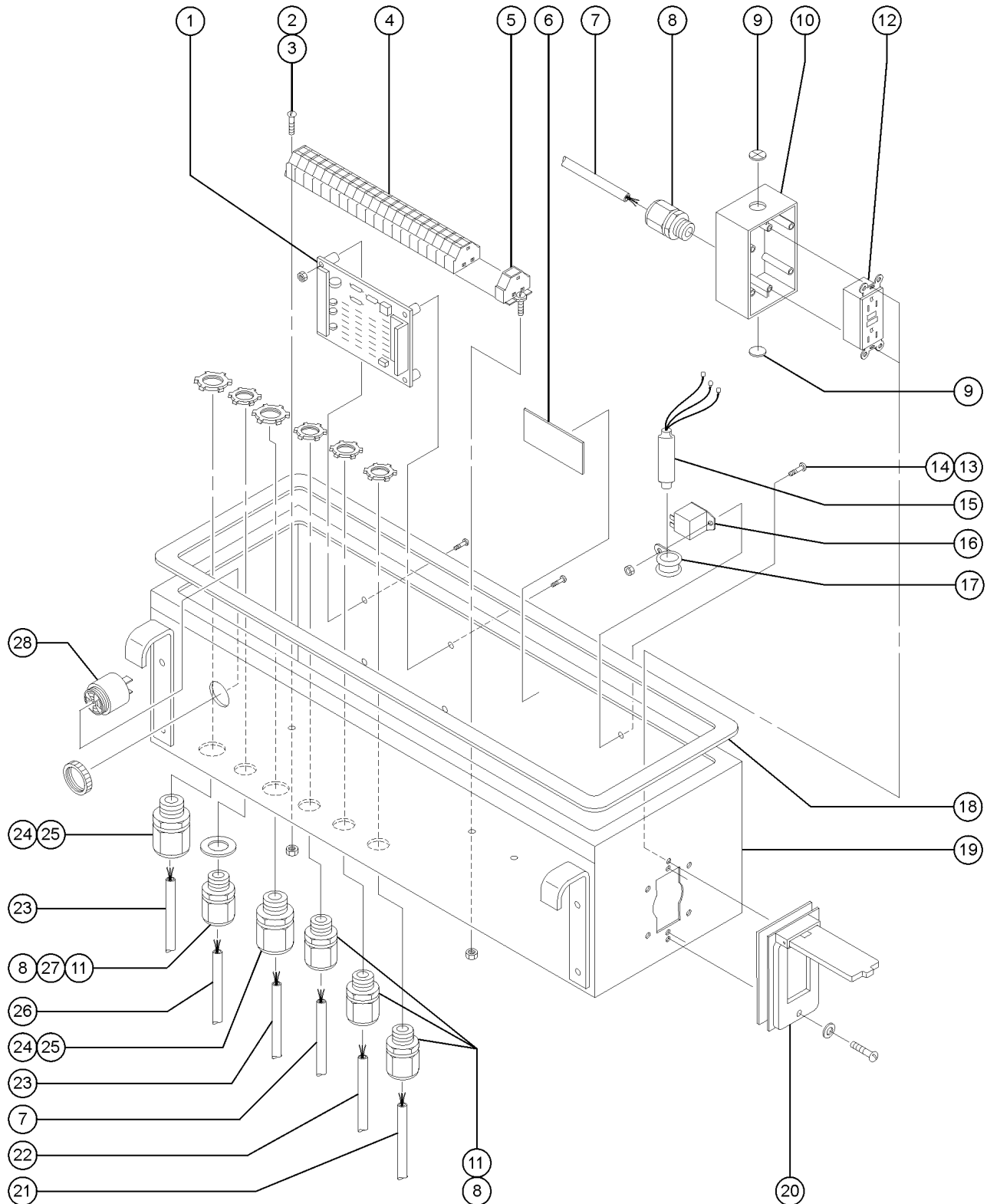
701.1 Platform Installation



701.1 Platform Installation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Platform Controls <i>refer to sections 702.1 or 703.1</i>		--	20973	WIRE LOOM,3/8 POLY SLIT.....	1
2	32710	GUARD,FOOTSWITCH,W/DECAL STEEL.....	1	--	21121	CABLE TIE,4" BLK,HEAT RESISTNT.....	1
3	43960	WIRE CABLE,16/4 CON.TPE JKT.....	158.4-inches	--	53819	TUBE,SLIDING MIDRAIL,20.69 IN.....	1
4A	73233	ASSEMBLY,FOOT.....	1	14	6091	NUT,NYLOCK,1/4-20.....	10
--	13482	FOOT SWITCH*** <i>for PN 73233</i>		15	6638	WASHER,FLAT,USS,1/4"Y.....	14
--	20262	MICROSWITCH,13482 FOOTSWITCH.....	1	16	8915	SCREW,HHC,1/4-20 X 1.25.....	2
		<i>for PN 73233</i>		17	60370-S	PLATFORM SUPPORT WELDMNT-SERV*.....	2
4B	228466	KIT, FOOTSWITCH, S40/S60/S80... <i>upgrade kit</i>	1	--	50144-S	PLATFORM SUPPORT WELDMNT***.....	1
--	227516	ASSEMBLY,FOOT SWITCH <i>for PN 228466</i>				<i>to SN 7024</i>	
5	6178	NUT,NYLOCK,10-32.....	2	18	6888	SCREW,HHC,1/4-20 X 1.....	4
6	17626	SCREW,FHM,10-32 X .75.....	2	19	44743	MANUAL BOX W/DECALS***.....	1
7	6550	U-BOLT,3/8 X 1 YZ.....	2	20A	28131	WIRE LOOM,1.25 DIA.....	66-inches S-60 models
8	5397	WASHER,FLAT,USS,5/16",Y.....	16	20B	28678	SLEEVE,NYLON,2"ID,BULK(100).66-inches S-65 models	
9	4828	NUT,NYLOCK,3/8-16.....	8	21	28443	CABLE TIE,11.5" BLACK.....	8
10A	52093	PLAT.ASSY,6FT-S40/S60-95'& S80.....	1	22	7713	NUT,LP NYLOCK,3/8-16.....	4
		<i>includes Index No's. 12 through 16</i>					
--	40170	TOEBOARD (PLAT. ENTRY ALUMN).....	1				
--	52081	PLAT.ASSY,EURO,6 FT,S40/60/80.....	1				
		<i>includes Index No's. 12 through 16</i>					
--	54817P-S	TOEBOARD,PLTFM ENTRY EUR,PNTD*.....	1				
10B	52082	PLAT ASSY,8 FT,SERV,S40/60/80.....	1				
		<i>includes Index No's. 12 through 16</i>					
--	40170	TOEBOARD (PLAT. ENTRY ALUMN).....	1				
--	52083	PLAT.ASSY,EURO,8 FT,S40/60.....	1				
		<i>includes Index No's. 12 through 16</i>					
--	54817P-S	TOEBOARD,PLTFM ENTRY EUR,PNTD*.....	1				
11	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	12				
12	12443P	MIDRAIL GUIDE,PAINTED**.....	2				
13	102992	SLIDING MIDRAIL KIT,PTD.....	1				
		<i>includes Index No's. 12, 14, 15 and 16</i>					

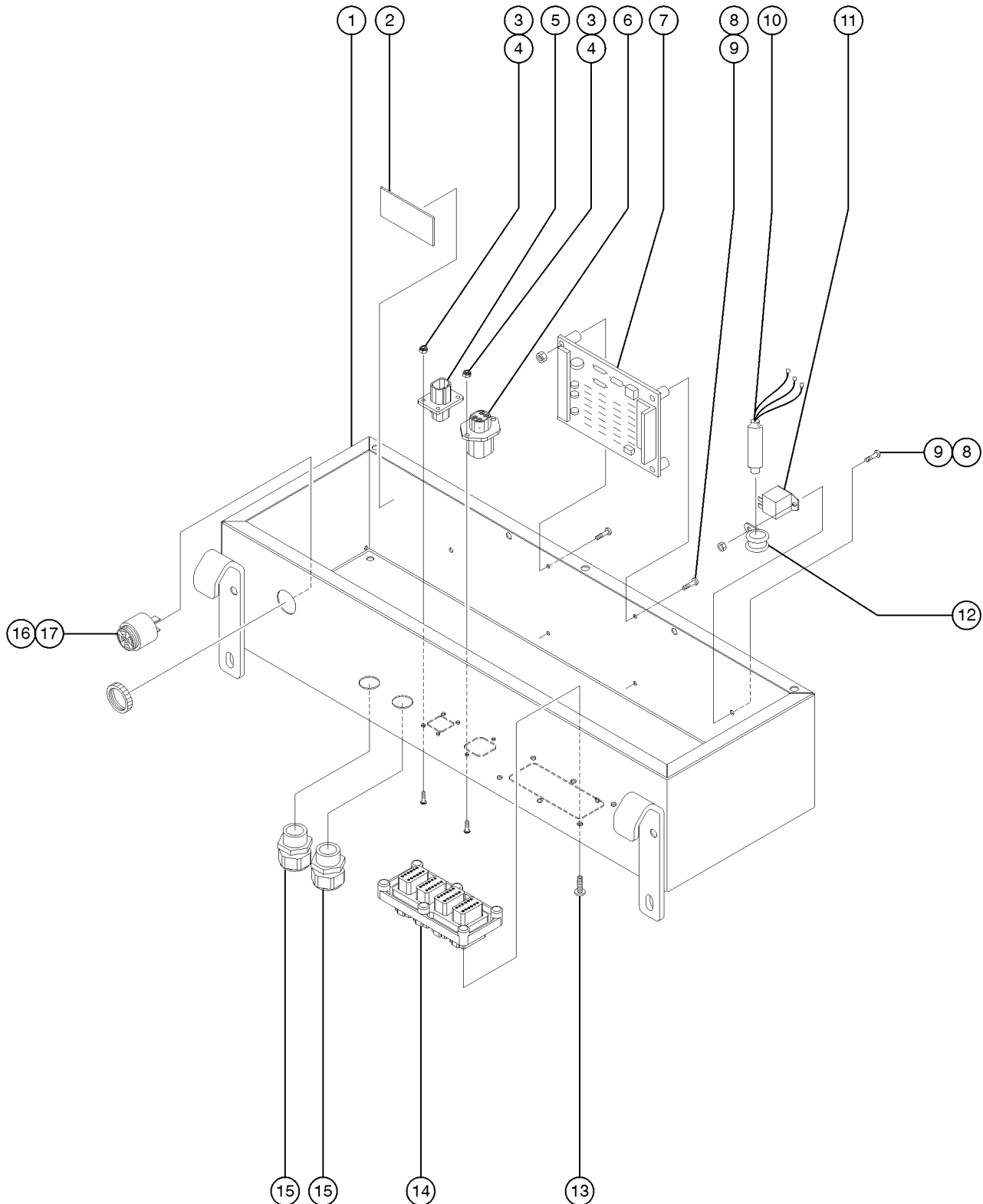
702.1 Platform Controls - View 1 (to SN 7837)



702.1 Platform Controls - View 1 (to SN 7837)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A	119867	WIRING KIT,JIB TIME DELAY IC		17	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....	1
--	19274	RELAY,SPDT,12V(AUTO)**		18	27115	GASKET,UPPER CONTROL BOX.....	1
--	43181	CAPACITOR,TIME DELAY		19	33474	CONTROL BOX W/DECAL,PLAT.....	1
1	22052	LIMITER PC BOARD, HORSEPOWER.....	1			<i>includes Index No. 18; to SN 3099</i>	
		<i>includes mounting fasteners</i>		--	58003-S	PLAT CNTL BOX,W/DECAL,S60/80.....	1
--	39591	SPACER,NYLON,.375.....	4			<i>includes Index No. 18; from SN 3100</i>	
		<i>sold separately</i>		20	45437	COVER,GFCI,WEATHERPROOF....	1
2	45546	SCREW,RHM,6-32 X .5.....	2			<i>includes mounting fasteners</i>	
3	12344	NUT,NYLOCK,6-32.....	2	--	33629	PLATE,UK POWER TO PLATFORM.....	1
4	32637	TERMINAL BLOCK,WAGO.....	45	--	33724	KIT,GASKET,UK POWER TO PLAT.....	1
5	32639	END PLATE,WAGO.....	1				
6	30997	CORROSION INHIBITOR,FOAM....	1	21	43960	WIRE CABLE,16/4 CON.TPE JKT.....	66-inches
7A	43955	WIRE CABLE,12GA/3 CON.TPE JKT*.....	984-inches				
		<i>S-60 to SN 7382 (black, white, brown)</i>		22	43960	WIRE CABLE,16/4 CON.TPE JKT.....	186-inches
--	30794	WIRE,12/3 SJEOW,BULK,BLK-WHT-G.984-inches					
		<i>S-60 from SN 7383</i>		23A	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	984-inches
7B	43955	WIRE CABLE,12GA/3 CON.TPE JKT*.....	1044-inches				
		<i>S-65 to SN 7382 (black, white, brown)</i>		23B	48533	WIRE CABLE,18GA/19 CON.BNDREX.....	1044-inches
--	30794	WIRE,12/3 SJEOW,BULK,BLK-WHT-G.1044-inches					
		<i>S-65 from SN 7383</i>		24	12960	CABLE SQUEEZE CONN.,XTRA LRG.....	2
8A	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....	4	25	14041	LOCKNUT,ELECTRIC,3/4".....	2
		<i>S-60; shown</i>		26A	30794	WIRE,12/3 SJEOW,BULK,BLK-WHT-G.984-inches	
8B	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....	5			<i>S-60</i>	
		<i>S-65</i>		26B	30794	WIRE,12/3 SJEOW,BULK,BLK-WHT-G.1044-inches	
9	8843	COVER,KNOCK OUT HOLE,4 PER BAG.....	2			<i>S-65</i>	
10	10775	T-BOX,2.75 X 4.5 X 2.0.....	1	27	34769	WASHER,REDUCING 3/4" TO 1/2".....	1
11A	6935	LOCKNUT,ELEC,1/2".....	4				
		<i>S-60</i>		28	45383	ALARM,WARBLE TONE 5-30 VDC***.....	1
11B	6935	LOCKNUT,ELEC,1/2".....	5			<i>Does not include 72326 nut</i>	
		<i>S-65</i>		--	72326	NUT - PLASTIC,RING FOR ALARMS.....	1
12	13585	OUTLET,110V GFCI***.....	1				
--	35003	RECEPTACLE, BRITISH, 110V.....	1				
13	5094	SCREW,RHM,10-32 X .5.....	1				
14	6178	NUT,NYLOCK,10-32.....	1				
15	43181	CAPACITOR,TIME DELAY.....	1				
		<i>S-65 only</i>					
16	19274	RELAY,SPDT,12V(AUTO)**.....	1				
		<i>S-65 only</i>					

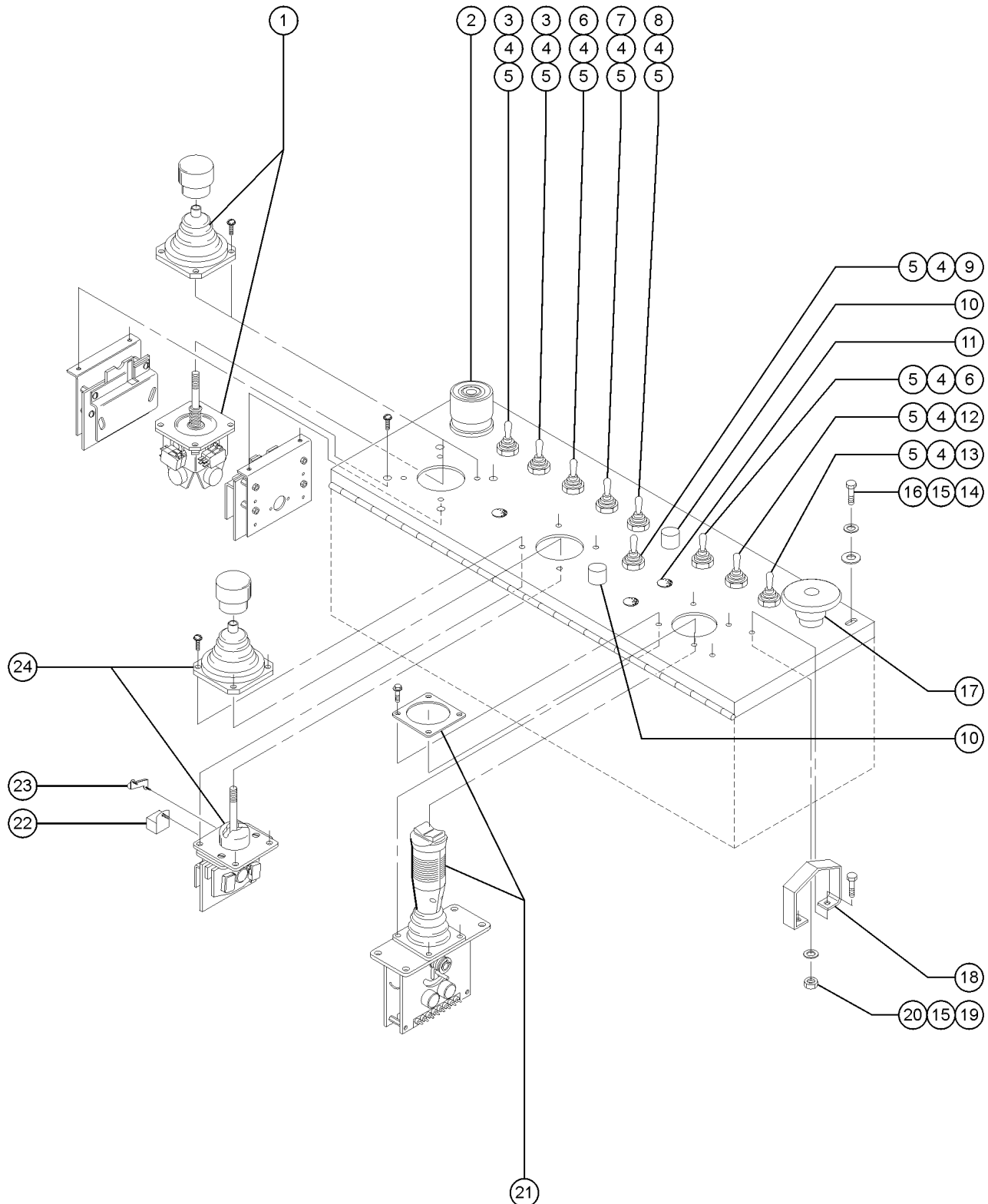
702.2 Platform Controls - View 1 (from SN 7838)



702.2 Platform Controls - View 1 (from SN 7838)

Item	Part No.	Description	Qty.
A	119867	WIRING KIT,JIB TIME DELAY IC	
--	19274	RELAY,SPDT,12V(AUTO)**	
--	43181	CAPACITOR,TIME DELAY	
1	58186	PLAT.CNTL.BOX,W/DECAL,S60.....1	
2	30997	CORROSION INHIBITOR,FOAM.....1	
3	12344	NUT,NYLOCK,6-32	
4	49820	SCREW,PHILLIPS,PHM,6-32 X .5	
5	73723	CONN RECEPT,FLANGED.....1	
6	73717	CONN,RECEP 4 WAY,12-14GA FL ***1	
7	22052	LIMITER PC BOARD, HORSEPOWER.....1	
--	39591	SPACER,NYLON,.375.....4 <i>sold separately</i>	
8	5094	SCREW,RHM,10-32 X .5	
9	6178	NUT,NYLOCK,10-32	
10	43181	CAPACITOR,TIME DELAY1	
11	19274	RELAY,SPDT,12V(AUTO)**1	
12	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....1	
13	73803	SCREW,SHM,PHP, #12 X .75	
14	73736	CONN,RECEP 48 WAY,4 X 12.....1	
15A	15243	PLUG,NYLON .875 BLACK DOMED.....2 S-60	
15B	12960	CABLE SQUEEZE CONN.,XTRA LRG.....2 S-65	
16	45383	ALARM,WARBLE TONE 5-30 VDC***1 <i>Does not include 72326 nut</i>	
17	72326	NUT - PLASTIC,RING FOR ALARMS.....1	

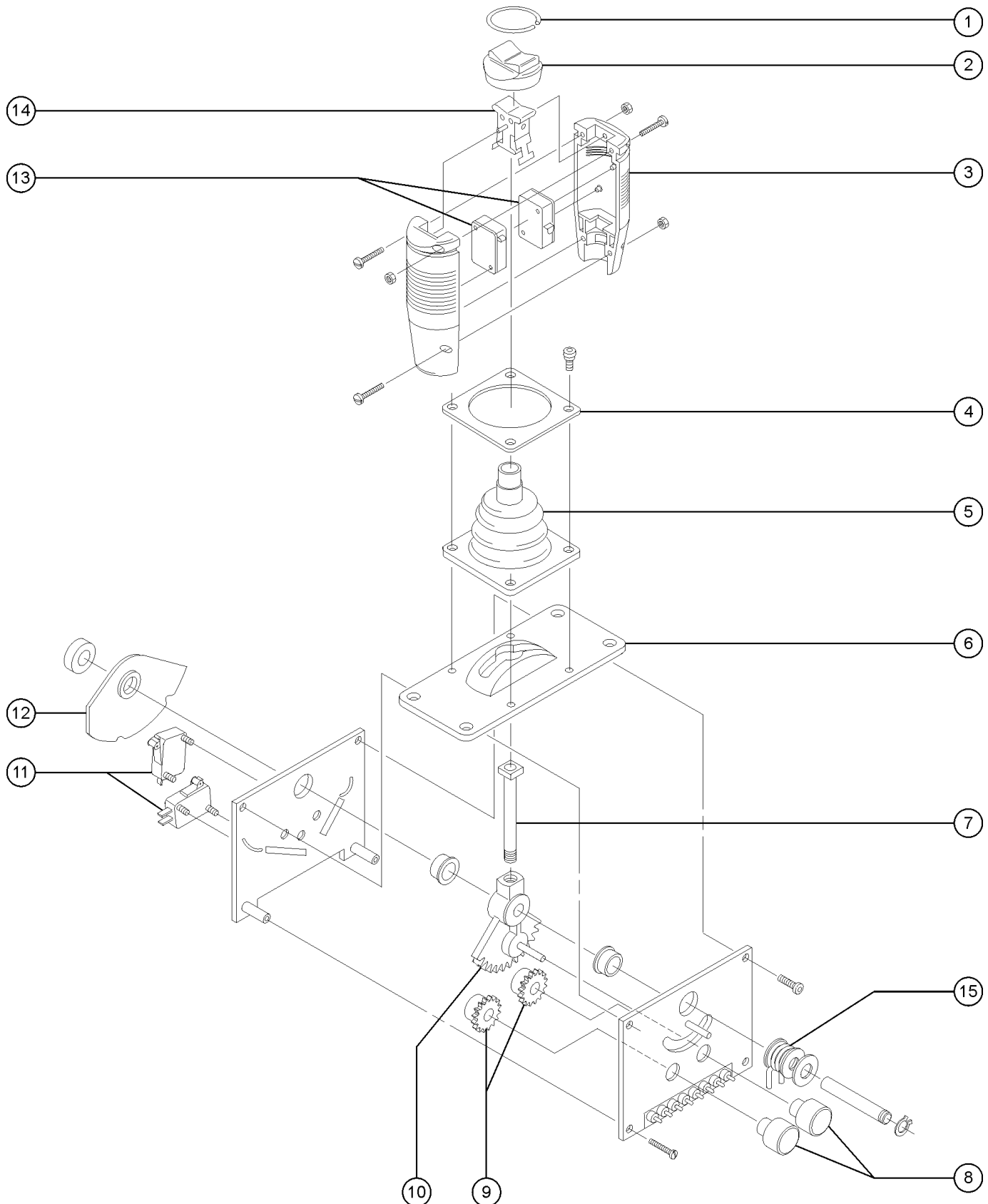
703.1 Platform Controls - View 2



703.1 Platform Controls - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	33474	CONTROL BOX W/DECAL,PLAT. to SN 3099		--	27378-S	SWITCH,TOGGLE,DPDT,2POS MAINT*.....1 <i>Generator models</i>	1
--	58003-S	PLAT CNTL BOX,W/DECAL,S60/80.....1 <i>from SN 3100 to 7837</i>	1	12	13038-S	SWITCH,TOGGLE,DPDT,3POS MAINT.....1 <i>includes mounting fasteners</i>	1
--	58186	PLAT.CNTL.BOX,W/DECAL,S60 <i>from SN 7838</i>		13	56457-S	SWITCH,TOGGLE,SPDT,2 POS MAINT.....1 <i>includes mounting fasteners; Gasoline/LPG models</i>	1
1	40613	JOYSTICK,DUAL AXIS CONTROLL.**.....1 <i>OEM joystick</i>	1	14	6090	SCREW,HHC,1/4-20 X .75.....3	3
--	40613H	JOYSTICK,DUAL AXIS CONTROLL.** <i>aftermarket joystick replacement</i>		15	6356	WASHER,LOCK,.25.....3	3
2	122513	KIT,HORN SVC BB&SM BOOM.....1	1	16	6638	WASHER,FLAT,USS,1/4"Y.....5	5
--	66813	BUTTON,PUSH,BLACK W/SEAL***.....1	1	17	122514	KIT,ESTOP SVC BB&SM BOOM.....1	1
--	66815	BASE, W/1 N.O. CONTACTS***.....1	1	--	66812	BUTTON,PUSH,RED MUSHROOM HEAD.....1	1
--	66816	CONTACT,N.O.....1	1	--	66818	CONTACT,NC.....1	1
3	16397-S	SWITCH,TOGGLE,DPDT,3POS MOMEN.....2 <i>includes mounting fasteners</i>	2	--	66821	BASE,WITHOUT CONTACTS.....1	1
4	27246	BOOT,TOGGLE SWITCH,SHORT*.....9	9	18	27033P-S	SUPPORT,WRIST,PAINTED-BLUE..1	1
5	54692	SPACER,NYLON,.718 X .526 X.219.....9	9	19	6091	NUT,NYLOCK,1/4-20.....2	2
6	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>includes mounting fasteners</i>	1	20	8914	SCREW,HHC,1/4-20 X .625.....2	2
7	13480-S	SWITCH,TOGGLE,DPDT,2POS MOMEN.....1 <i>includes mounting fasteners</i>	1	21	20424	JOYSTICK CONTROLLER,12V.....1 <i>OEM joystick</i>	1
8	27378-S	SWITCH,TOGGLE,DPDT,2POS MAINT*.....1 <i>includes mounting fasteners</i>	1	--	20424H	JOYSTICK CONTROLLER,12V <i>aftermarket joystick replacement</i>	
9	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>includes mounting fasteners</i>	1	22	19274	RELAY,SPDT,12V(AUTO)**.....1	1
10A	824879	LIGHT,LED IND. RED 12V NH.....1 <i>Gasoline/LPG and Perkins models</i>	1	23	27116	RESISTOR,100 OHM,25 WATT.....1 <i>4WD models</i>	1
10B	45384	PLUG,NYLON .50 BLACK DOMED.....1 <i>Deutz models</i>	1	--	34798	RESISTOR,150 OHM,25 WATT.....1 <i>2WD models</i>	1
10C	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>Deutz Diesel, Glow Plug Option</i>	1	24	24495	JOYSTICK,SINGLE AXIS PROPORT.....1 <i>OEM joystick</i>	1
11	45384	PLUG,NYLON .50 BLACK DOMED.....1	1	--	24495H	JOYSTICK,SINGLE AXIS PROPORT <i>aftermarket joystick replacement</i>	

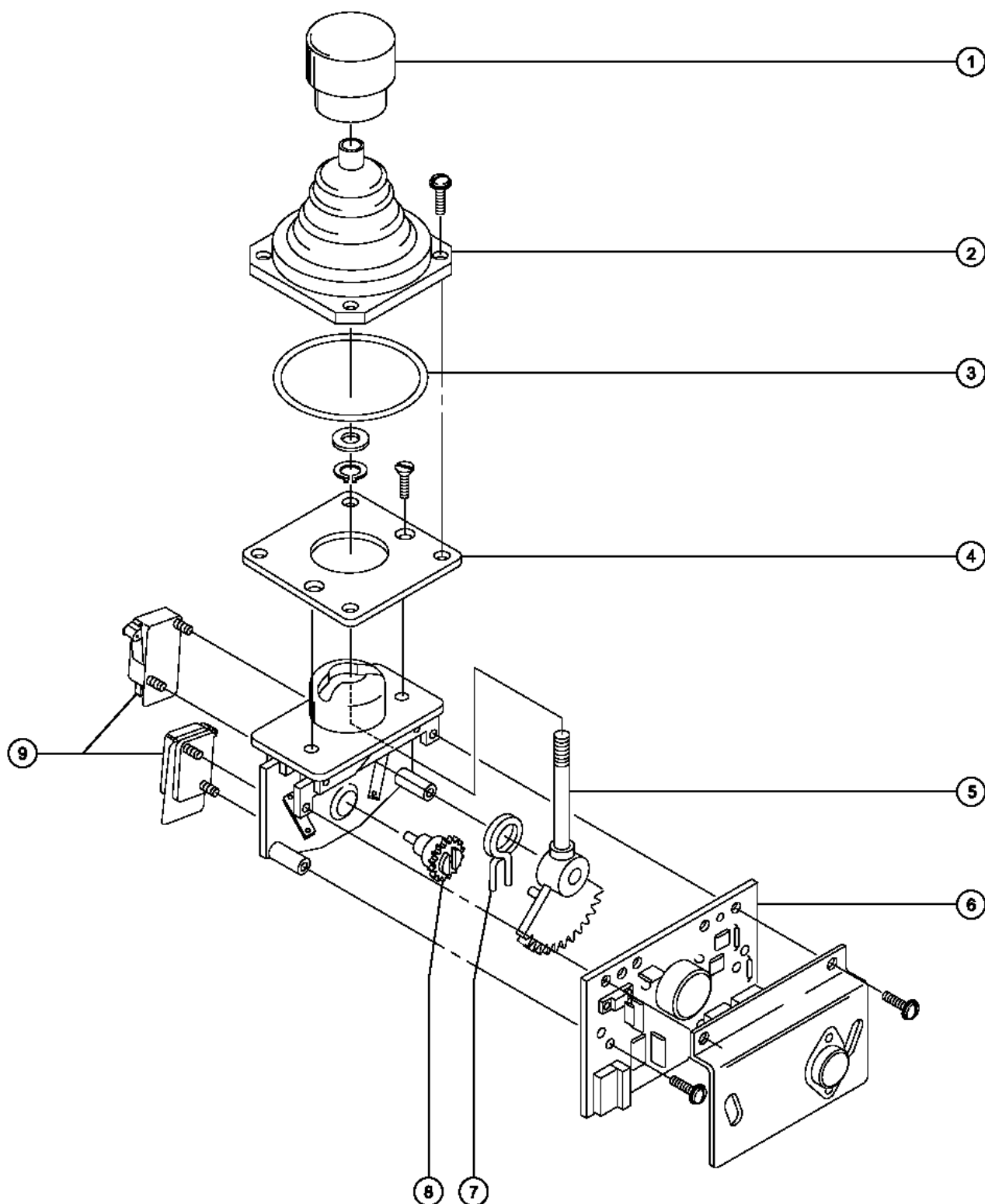
704.1 Joystick Controller - Drive/Steer Functions



704.1 Joystick Controller - Drive/Steer Functions

Item	Part No.	Description	Qty.
--	20424H	JOYSTICK CONTROLLER,12V <i>aftermarket joystick replacement</i>	
--	20424	JOYSTICK CONTROLLER,12V <i>OEM joystick, contains all shown service parts</i>	
1	25882	LOCK RING.....	1
2	25881	BOOT,THUMB 20424 JOYSTICK.....	1
3	25883	HANDLE HALF,JOYSTICK (20424).....	1 <i>order qty (2) required</i>
--	49887	NUT & BOLT KIT (25883).....	1
--	72245	KIT, JOYSTICK HANDLE <i>includes handles, rocker and nut/bolt kit</i>	
4	44221	COLLAR, BOOT RETAINING.....	1
5	22368	BOOT (20424).....	1
6	25884	COVER CASTING,20424 CONTROLLER.....	1
7	44211	SHAFT,W/NF STYL BLOCK,(20424)*.....	1
8	22364	POTENTIOMETER (20424).....	2
9	22367	SPUR GEAR (20424).....	2
10	44212	GEAR CASTING,20424 CONTROLLER*.....	1
11	22365	SWITCH (20424).....	2
12	22366	CAM ASSY (20424).....	1
13	23680	SWITCH,HANDLE,20424.....	2
14	23688	ROCKER ASSY,HANDLE (20424)***.....	1
15	58209	SPRING,RETURN***.....	1

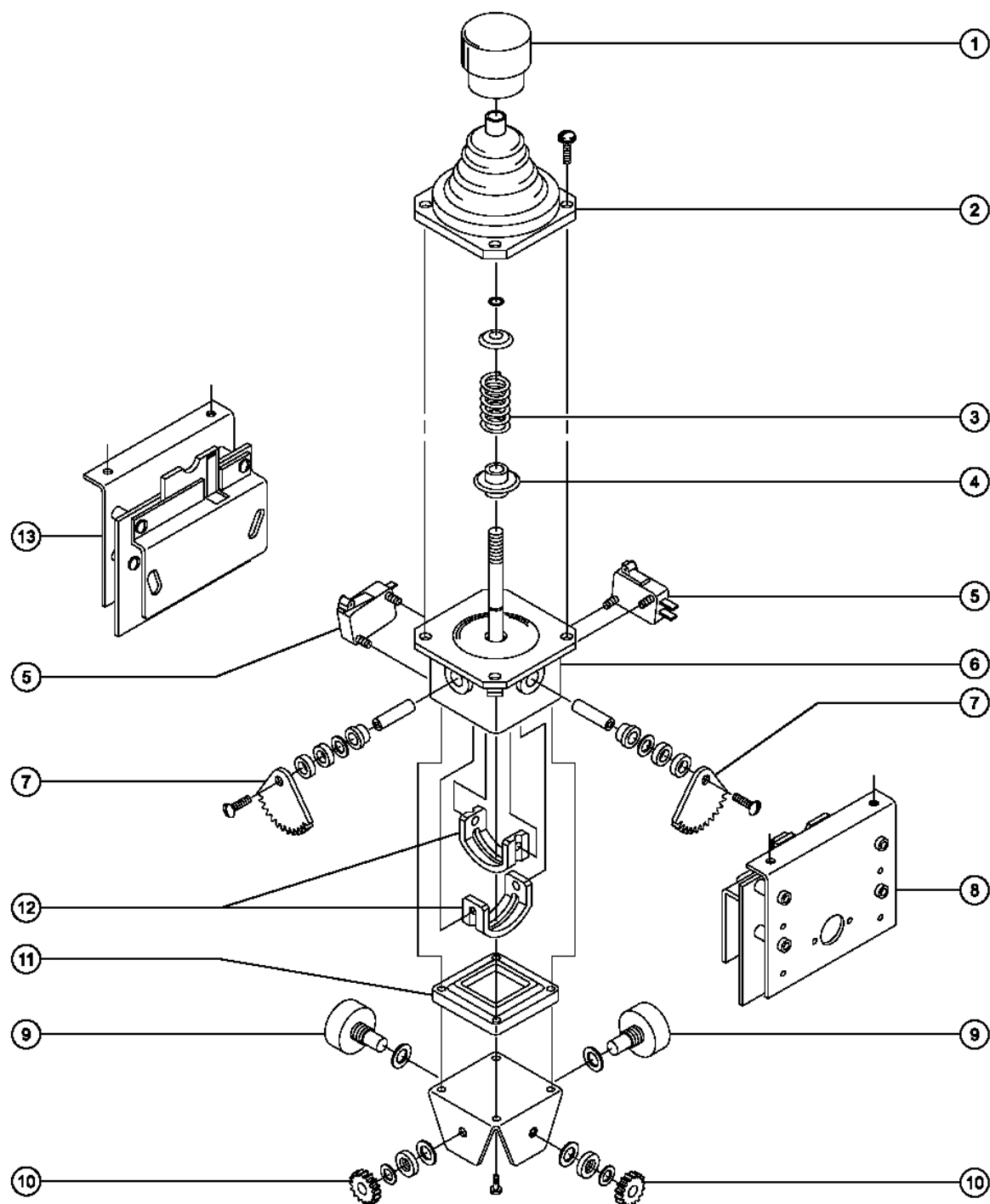
705.1 Joystick Controller - Extend/Retract, Single Axis



705.1 Joystick Controller - Extend/Retract, Single Axis

Item	Part No.	Description	Qty.
--			
--	24495H	JOYSTICK,SINGLE AXIS PROPORT <i>aftermarket joystick replacement</i>	
--	24495	JOYSTICK,SINGLE AXIS PROPORT <i>OEM joystick, contains all shown service parts</i>	
1	27133	HANDLE,CAP,CONTROLLER.....	1
2	27134	BOOT,CONTROLLER.....	1
3	31526	O-RING,BOOT,CONTROLLER.....	1
4	19720	CASTING,45049, 40612.....	1
5	27135	SHAFT W/GEAR.....	1
6	27524	PCB,ASSY,24495.....	1
--	49870	POTENTIOMETER (24493).....	1
7	21434	SPRING & BUSHING KIT,RETURN***	1
8	19731	GEAR, SLAVE, MS4,45048.....	1
9	19712	MICROSWITCH,V3L-139-D8.....	2

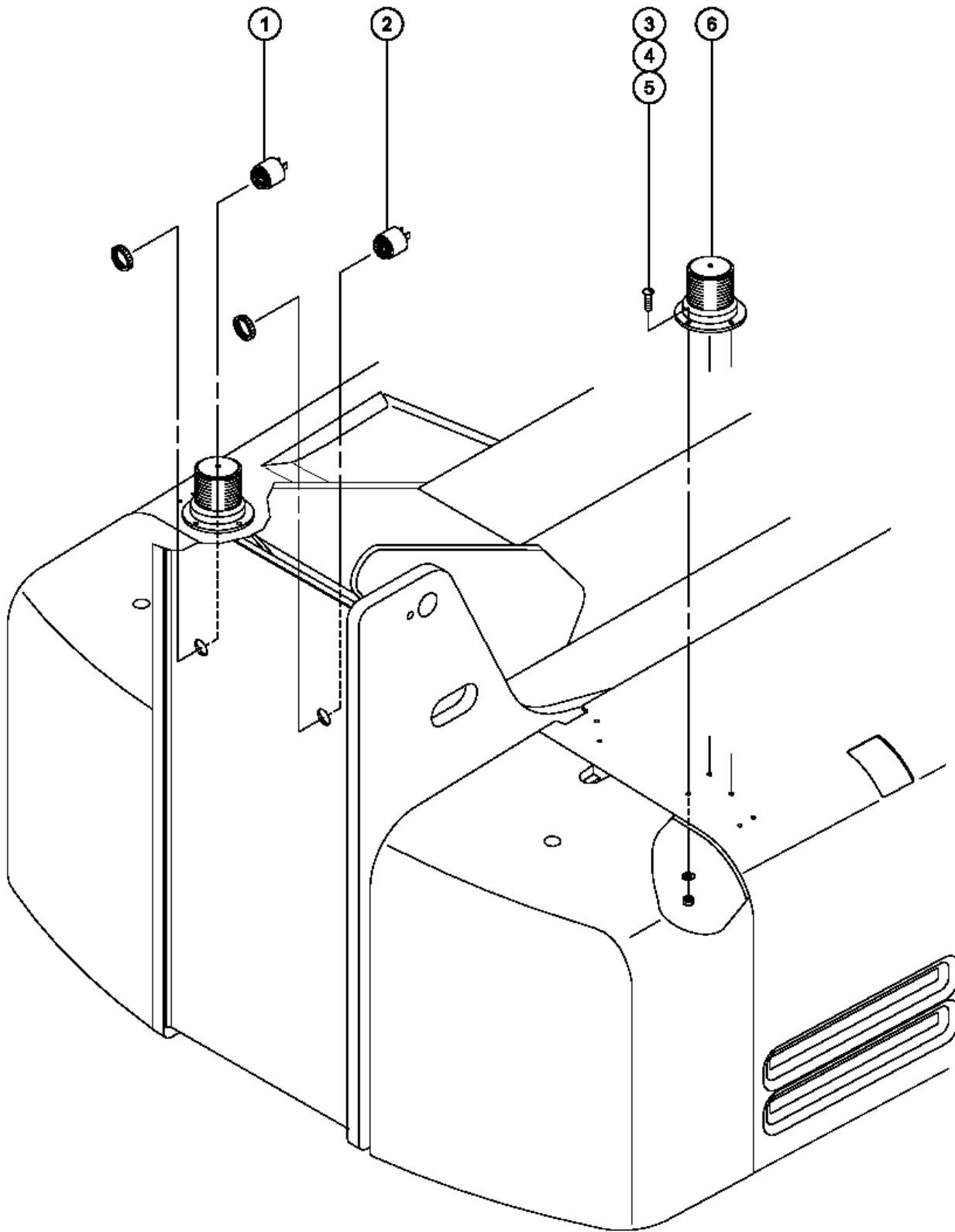
706.1 Joystick Controller - Boom Functions, Dual Axis



706.1 Joystick Controller - Boom Functions, Dual Axis

Item	Part No.	Description	Qty.
--	40613H	JOYSTICK,DUAL AXIS CONTROLL.** <i>aftermarket joystick replacement</i>	
--	40613	JOYSTICK,DUAL AXIS CONTROLL.** <i>OEM joystick, contains all shown service parts</i>	
1	27133	HANDLE,CAP,CONTROLLER.....	1
2	27134	BOOT,CONTROLLER..... <i>includes 46272</i>	1
--	46272	FLANGE-JOYSTICK MOUNTING,44988.....	1
3	27511	SPRING,24493 CONTROLLER.....	1
4	31283	BUSHING,SPRING SEAT.....	1
5	19712	MICROSWITCH,V3L-139-D8.....	2
6	31284	SHAFT ASSY W/HOUSING.....	1
7	27512	JOYSTICK, DRIVE GEAR, (24493).....	2
8	48413	PCB,ASSY,BOOM ROTATE,40613*.....	1
9	72356	POTENTIOMETER (40613)..... <i>(supplier p/n EPVR-342)</i>	2
9	83088	POTENTIOMETER (40613) <i>(supplier p/n EPVR-464)</i>	
10	27514	GEAR, SLAVE, 24493.....	2
11	58923	SADDLE BRCKT40613,34419,53073*.....	1
12	37948	SADDLES-SET(24493,40613,53073.	1
13	48414	PCB,ASSY,BOOM UP/DOWN,40613***.....	1

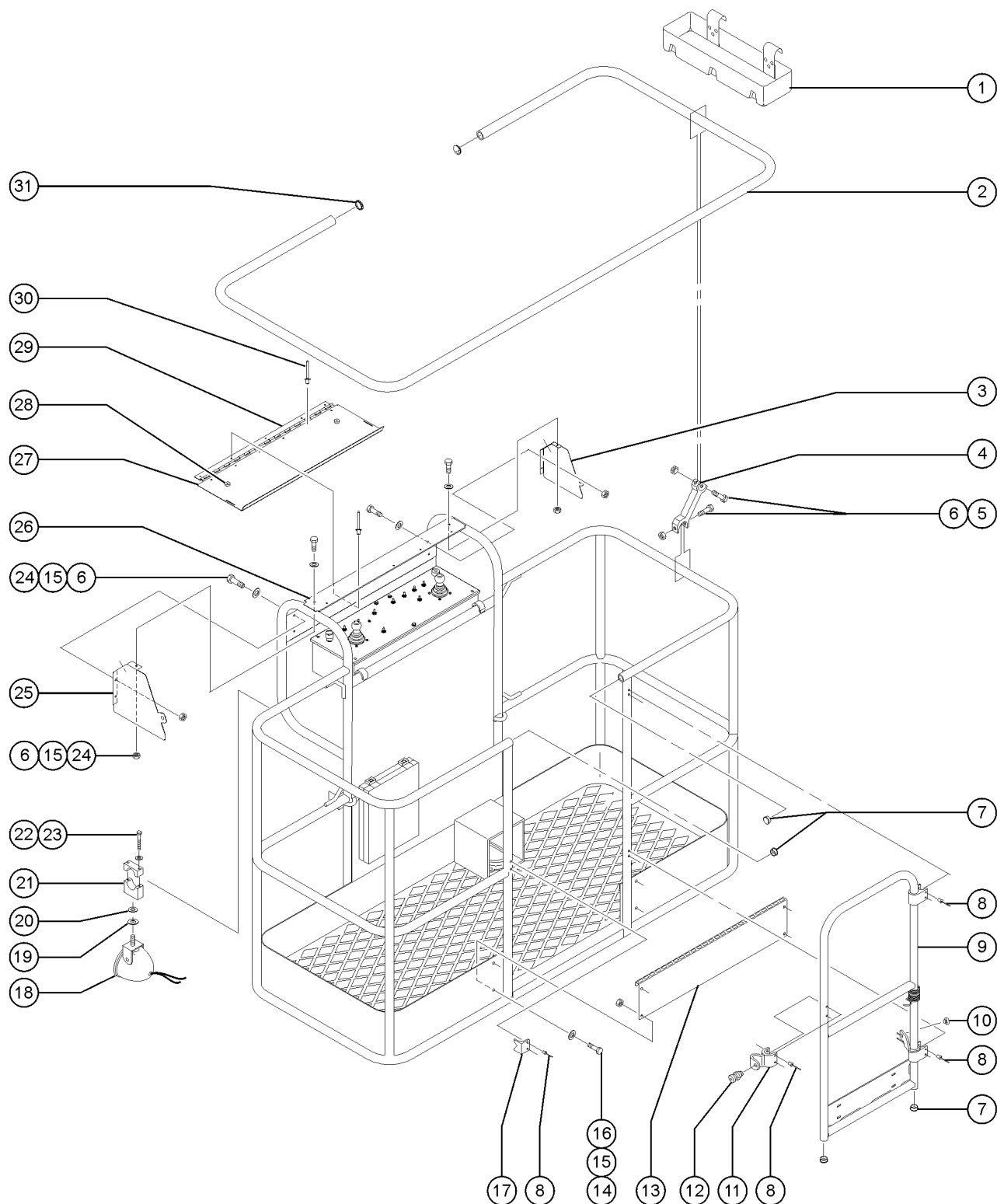
801.1 Alarm and Beacon Package



801.1 Alarm and Beacon Package

Item	Part No.	Description	Qty.
--	46984	ALARM PKG,S60/80***	
1	230392	ALARM,DESCENT.....1 <i>Does not include 72326 nut</i>	1
1	72326	NUT - PLASTIC,RING FOR ALARMS.....1	1
2	18963	ALARM.INTERMITTENT TONE.24V.....1 <i>Does not include 72326 nut</i>	1
2	72326	NUT - PLASTIC,RING FOR ALARMS.....1	1
3	6147	SCREW,RHM,10-32 X 1.....6	6
4	6146	WASHER,FLAT,MS,#10,Y.....6	6
5	6178	NUT,NYLOCK,10-32.....6	6
6	56704	STROBE,FIREBOLT,12-80VDC,AMB**. <i>(replaced 20189)</i>	2
--	122019	FLASHTUBE,U SHAPED,360DEG,BULB	
--	226393	FLASHTUBE,STRAIGHT,360DEG,BULB	
--	72282	LENS,AMBER,STROBE,FIREBOLT.2	

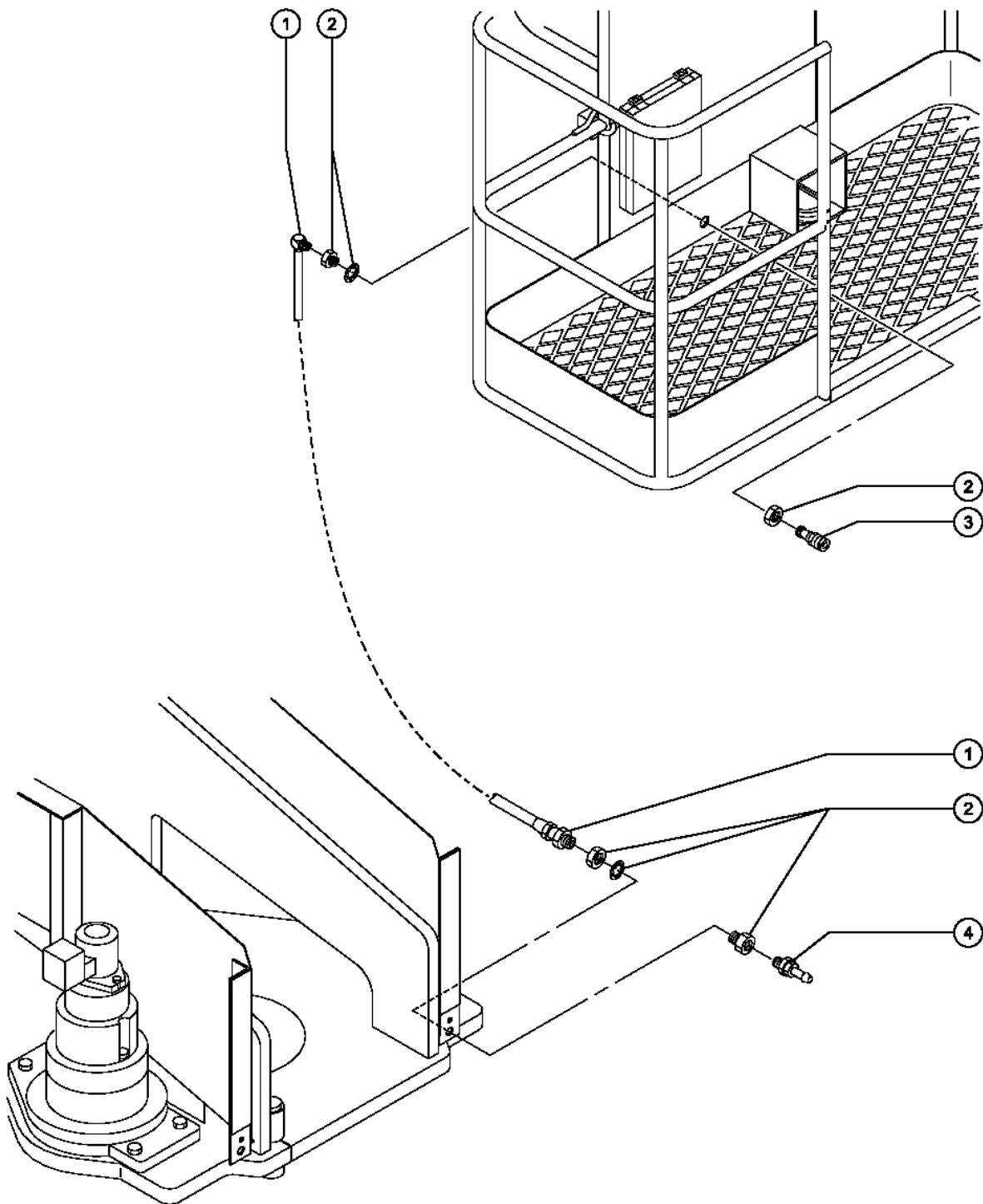
802.1 Platform Options



802.1 Platform Options

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28856-S	PLAT.PINCH GUARD,8',1.3		20	6035	WASHER,FLAT,USS,5/8",Y.....	1
--	34321-S	OPTION,WORKLIGHT,12 VOLT		21	35956	BRACKET,WORK LIGHT MOUNT 5/16"	2
--	53157-S	PINCH GUARD,6'(1.31")SERVICE**		22	6145	SCREW,HHC,1/4-20 X 1.5.....	4
1	9599-S	TOOL TRAY ACCESSORY***	1	23	6356	WASHER,LOCK,.25.....	4
2	1259704	PINCH GUARD RAIL,6' PLATFORM.....	1	24	6090	SCREW,HHC,1/4-20 X .75.....	2
		<i>includes 55753 bumpers</i>		25	119796	CONTROL BOX COVER,LEFT SIDE**	
--	52661	PINCH GUARD RAIL,8' PLATFORM**.....	1	26	119562P	GUARD,PLATFORM CNTRL PANEL PTD	
		<i>includes 2 each index number 31</i>		--	119642	KIT,PLAT CONTROL PANEL GUARD** <i>includes part 119562P, required for first time installation</i>	
3	119797	CONTROL BOX COVER, RIGHT SIDE*		27	89915P	COVER,CONTROL BOX LID	
4	139958	KIT, AUX TOP RAIL SUPPORT.....	10	--	119795	KIT,CONTROL BOX COVER <i>includes part 89915P, index number 26 is required for first time installation</i>	
5	4266	SCREW,HHC,1/4-20 X 2.....	20	28	43392	BUMPER,BATTERY BOX & RAILS	
6	6889	NUT,LP NYLOCK,1/4-20.....	20	29	111526	HINGE,PLAT CONTROL BOX COVER	
7	31120	PLUG,NYLON 1.187 BLACK DOMED.....	4	30	54486	RIVET,ALUM,ALUM,3/16BUTTONHEAD	
8	7265	RIVET,STEEL,P, .25 X .375.....	14	31	55753	BUMPER, PLASTIC, 1.25 O.D.....	2
9	128368	KIT,SWING GATE W/SPRING.....	1				
		<i>includes 2 each index number 7</i>					
9A	119950	KIT,FIELD INSTALL,SWING GATE <i>includes 128368, 1487, 1488, and 33674</i>					
--	1487	GATE LATCH CASTING--DRILLED					
--	1488	RAILING CATCH CASTING--DRILLED					
--	33674	PIN,LOCK,SHORT***					
--	9596	HINGE CASTING					
10	43392	BUMPER,BATTERY BOX & RAILS.....	1				
11	1487	GATE LATCH CASTING--DRILLED.....	1				
12	63311	SNAP PIN.....	1				
13	54817P-S	TOEBOARD,PLTFM ENTRY EUR,PNTD*.....	1				
14	8915	SCREW,HHC,1/4-20 X 1.25.....	4				
15	6638	WASHER,FLAT,USS,1/4"Y.....	4				
16	6091	NUT,NYLOCK,1/4-20.....	6				
17	1488	RAILING CATCH CASTING--DRILLED.....	1				
18	35958	HOUSING,WORKLIGHT***	2				
18A	35960	BULB,WORKLIGHT,12V 35W					
19	6036	WASHER,LOCK,.625 PLTD.....	1				

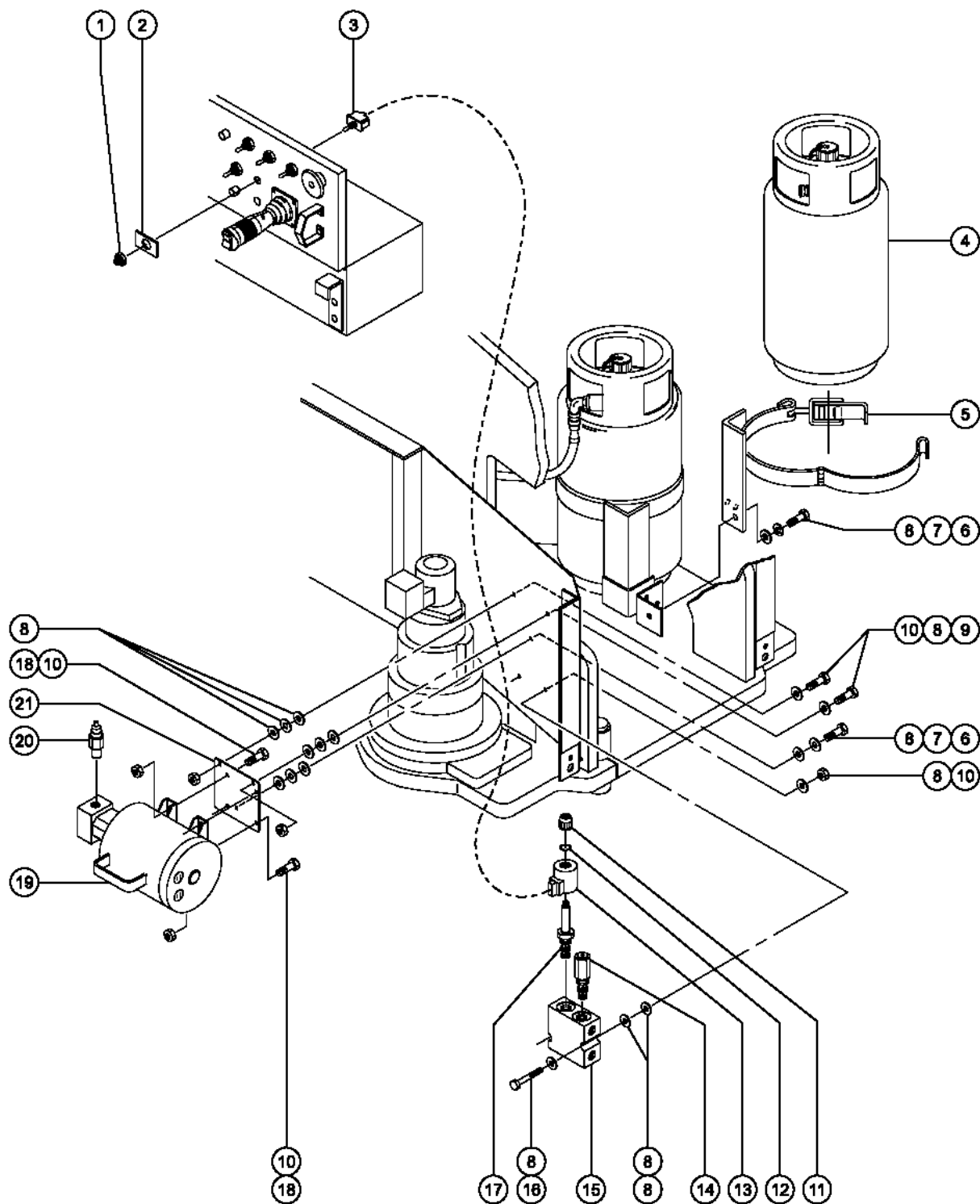
803.1 Air Line to Platform



803.1 Air Line to Platform

Item	Part No.	Description	Qty.
--	77766	OPT,AIRLINE TO PLATFORM,S60	
1	49177-102894	HOSE ASSEMBLY,1/2"***	1
2	49212	FEMALE BULKHEAD CONNECTOR-8.....	2
3	49215	MPT,CPLR,1/4"SER,3/8"X18.....	1
4	49214	MALE PIPE THD,1/4" SER,3/8"X18.....	1

804.1 Generator and Spare LPG Tank



804.1 Generator and Spare LPG Tank

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	30630	S40,60,80SPARE L.P.TANK W/BRKT.....	1	19B	36928	GENERATOR,2500W HYD.220/50HZ.....	1
--	46981	GEN S40 2000W SERV OPT				<i>includes Index No. 20; to SN 3959</i>	
1	27246	BOOT,TOGGLE SWITCH,SHORT*.....	1	--	147836	SEAL, GASKET, .00075" *GOLD* for pump	
--	54692	SPACER,NYLON,.718 X .526 X.219.....	1	--	147837	SEAL, GASKET, .0005" *SILVER* for pump	
2	32728	DECAL,OPTION GENERATOR***...	1	--	147838	SEAL, GASKET, .0010" for pump	
3	27378-S	SWITCH,TOGGLE,DPDT,2POS MAINT*.....	1	--	32732	RECTIFIER ASSEMBLY	
		<i>includes mounting fasteners</i>		--	52085	BRUSH HOLDER ASSY, 2500W GENER	
4	53605	TANK, LP, 7 GAL.....	1	--	52086-R	MOTOR -HYD.2500W GENER REFURB.	
		<i>Gasoline/LPG models</i>		--	58402	BRIDGE,50A FULL WAVE**	
5	30712	LP.TANK BRKT WLDMT.,SHORT.....	1	--	58944	BRUSH 3/8 X 1/4 X 15/16(36928)	
		<i>to SN 3385</i>		--	58954	O-RING,SPACER #115*** for pump	
--	53120-S	LP.TANK BRACKET TALL WLDMNT.....	1	--	T111608	SEAL,RETAINING RING for pump	
		<i>from SN 3386</i>		--	T111609	SEAL,SHAFT for pump	
6	6175	SCREW,HHC,3/8-16 X 1.....	4	--	T111610	SPACER for pump	
		<i>Gasoline/LPG models</i>		--	T111611	BEARING,MOTOR for pump	
7	6021	WASHER,LOCK,.375.....	4	--	T111612	RETAINING RING for pump	
8	5397	WASHER,FLAT,USS,5/16",Y.....	19	--	T111613	SHAFT,MOTOR for pump	
9	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	2	19C	94748	GENERATOR,2500W,HYD 220/50HZ.....	1
10	4828	NUT,NYLOCK,3/8-16.....	8			<i>includes Index No. 20; from SN 3960</i>	
11	33568	NUT, CP521-1 VALVE.....	1	--	32732	RECTIFIER ASSEMBLY	
12	45914	O-RING, DO1 VALVE.....	1	--	52085	BRUSH HOLDER ASSY, 2500W GENER	
13	27535	COIL,12V.DO1 VALVE.....	1	--	52086-R	MOTOR -HYD.2500W GENER REFURB.	
--	45782	DIODE,6 AMP,200 PIV,BULK.....	1	--	58402	BRIDGE,50A FULL WAVE**	
14	44950	VALVE,RELIEF,1500 PSI***.....	1	19D	111381	GEN,HYD,3000W,110V,60HZ.....	1
15	53976	MANIFOLD,GENERATOR.....	1			<i>includes Index No. 20</i>	
		<i>includes Index No's. 11 through 14 and Index No. 17</i>		--	147836	SEAL, GASKET, .00075" *GOLD*	
16	8178	SCREW,HHC,3/8-16 X 2.5.....	4	--	147837	SEAL, GASKET, .0005" *SILVER*	
17	19969	VALVE,SOLENOID (18660).....	1	--	147838	SEAL, GASKET, .0010"	
		<i>includes Index No's. 11 through 13</i>		--	147839	ASSM, GEN. ONLY, 110V, 60HZ	
18	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	2				
19A	58301	GENERATOR,2000W,HYDRAULIC***...	1				
		<i>includes Index No. 20</i>					
--	32732	RECTIFIER ASSEMBLY					
--	32734	BRUSH ASSEMBLY					
--	32736	MOTOR,HYDRAULIC GENERATOR					
--	58402	BRIDGE,50A FULL WAVE**					

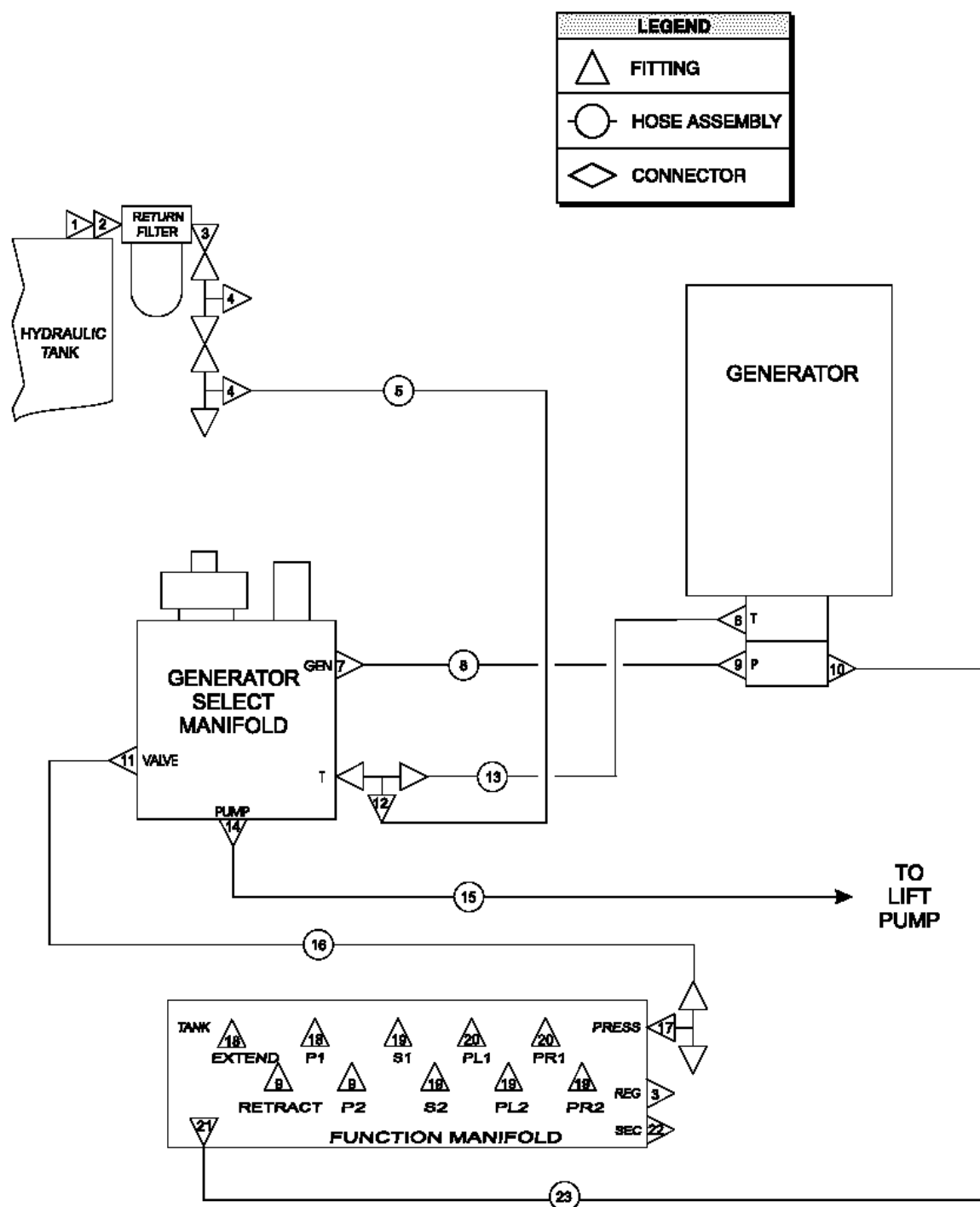
804.1 Generator and Spare LPG Tank (continued)

Item	Part No.	Description	Qty.
--	32732	RECTIFIER ASSEMBLY	
--	52000	BRUSH ASSEMBLY	
--	52001	HYDRAULIC MOTOR 3000W GENER	
--	58402	BRIDGE,50A FULL WAVE**	
--	58944	BRUSH 3/8 X 1/4 X 15/16(36928)	
--	58954	O-RING,SPACER #115***	
--	T111608	SEAL,RETAINING RING	
--	T111609	SEAL,SHAFT	
--	T111610	SPACER	
--	T111611	BEARING,MOTOR	
--	T111612	RETAINING RING	
--	T111613	SHAFT,MOTOR	
20	32735	VALVE,PRI. FLOW REG 4.3.....1 2500W models; to SN 3959	
--	65841	PRIORITY FLOW CONTROL VALVE.....1 2500W models and all 3000W models; from SN 3960	
21	34876P-S	PLATE,GENERATOR MOUNTING.....1	

804.1 Generator and Spare LPG Tank
(continued)

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805.1 Hydraulic Hoses and Fittings - Generator Option

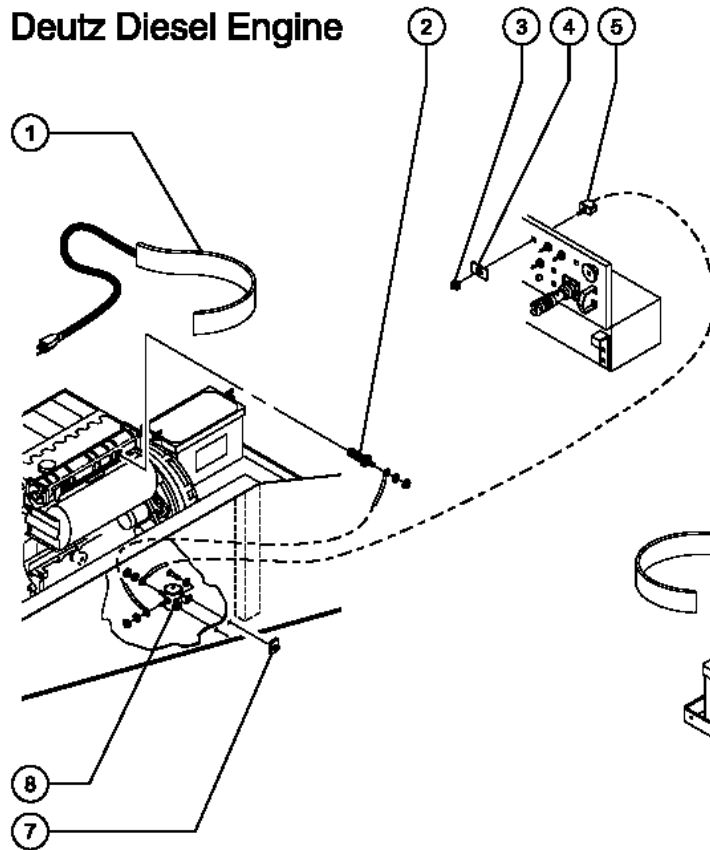


805.1 Hydraulic Hoses and Fittings - Generator Option

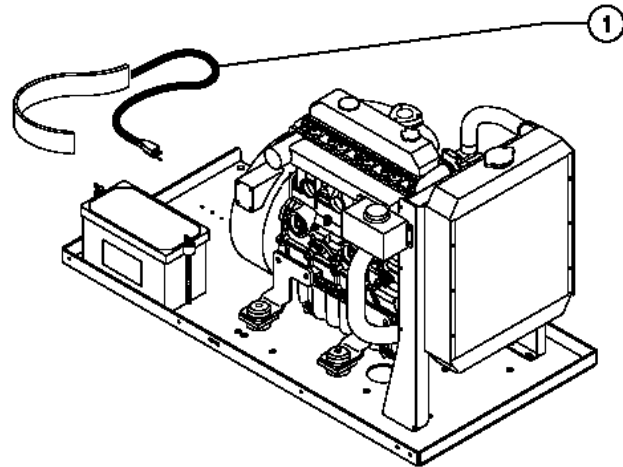
Item	Part No.	Description	Qty.
--	49612	O-RING KIT (ORFS FITTINGS)	
--	49613	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48986	CONN,520102-16.....	1
2	49512	ELBOW,90DEG,FEM,1"NPT.....	1
3	49515	ELBOW,90D,520202-12-16.....	2
4	48964	FITTING,TEE,RUN,SWIVEL52043212.2	
5	49142-7062	HOSE ASSEMBLY,1/2".....	1
6	49203	ELBOW,45D,520320-10-8.....	1
7	48933	CONN,520120-8***.....	3
8	49109-2879	HOSE ASSY,1/2,90 FEM,STR FEM.....	1
9	48937	ELBOW,45D,520320-8.....	3
10	48905	CONN,520120-4***.....	1
11	48960	FITTING,CONN,520120-12.....	1
12	48935	TEE,RUN,520428-8.....	1
13	49172-2988	HOSE ASSEMBLY.....	1
14	48958	CONN,520120-10-12.....	1
15	49101-7835	HOSE ASSEMBLY,5/8".....	1
16	49101-5910	HOSE ASSEMBLY, 5/8".....	1
17	48954	TEE,BRANCH,520429-10.....	1
18	48934	CONN,LONG,520122-8.....	2
19	48916	FITTING,CONN,520120-6.....	4
20	48917	CONN,LONG,520122-6.....	2
21	48912	CONN,520120-4-6***.....	1
22	48930	FITTING,CONN,520120-6-8***.....	1
23	49117-3391	HOSE ASSY,1/4,90 FEM,STR FEM.....	1

806.1 Cold Start Package

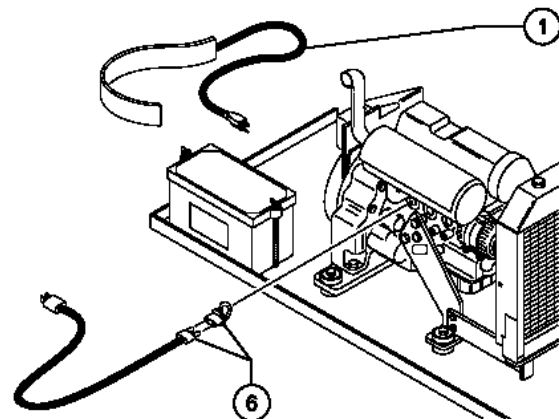
Deutz Diesel Engine



Perkins Diesel Engine



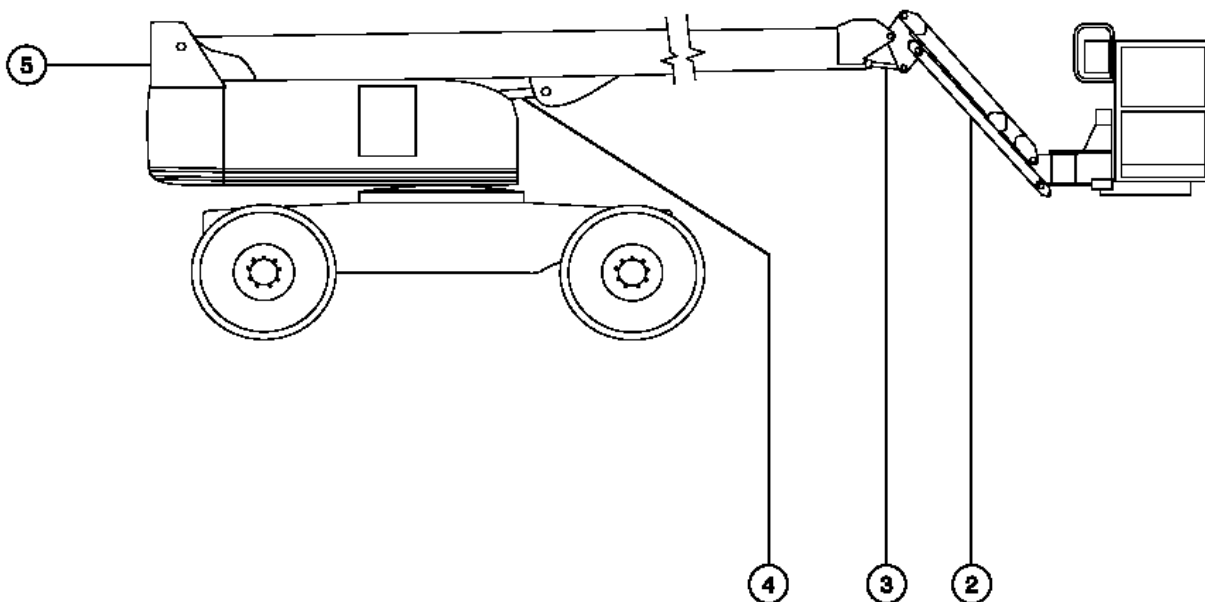
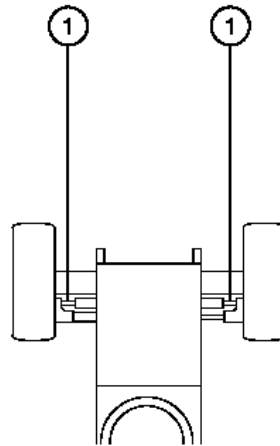
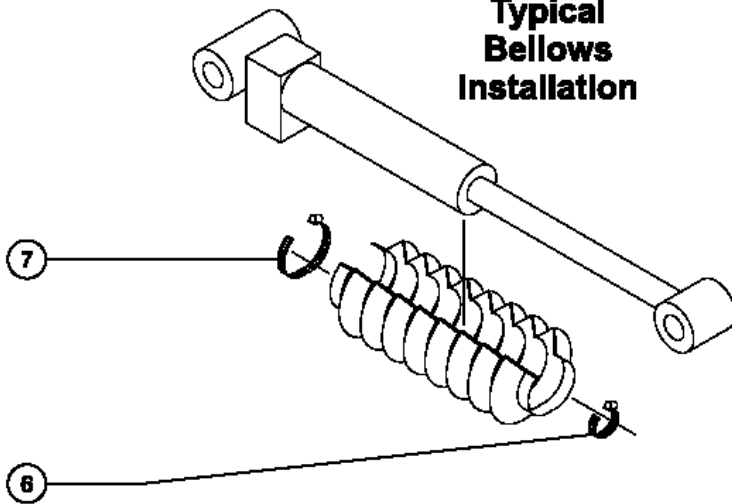
Ford Gasoline/LPG Engine



806.1 Cold Start Package

Item	Part No.	Description	Qty.
--	53156	COLD START,FORD, BIG BOOM	
--	53159-S	COLD START PKG,DEUTZ,BIG BOOM	
--	53982	COLD START PKG,PERKINS,BB	
1	28853	BLANKET,BATTERY.....2	
2	31408	GLOW PLUG,L1011.....1 <i>Deutz Diesel models</i>	
3	27246	BOOT,TOGGLE SWITCH,SHORT*.....1 <i>Deutz Diesel models</i>	
4	32726	DECAL,OPTION GLOW PLUGS***.....1 <i>Deutz Diesel models</i>	
5	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>includes mounting fasteners; Deutz Diesel models</i>	
--	54692	SPACER,NYLON,.718 X .526 X.219.....1	
6	35610	HEATER,FREEZE PLUG,FORD LRG423.....1 <i>Gasoline/LPG models</i>	
7	56912	SPRING CLIP,1/4-20,.025-.15X.5.....2 <i>Deutz Diesel models</i>	
8	53967	SOLENOID,12V CONTINUOUS.....1 <i>Deutz Diesel models</i>	

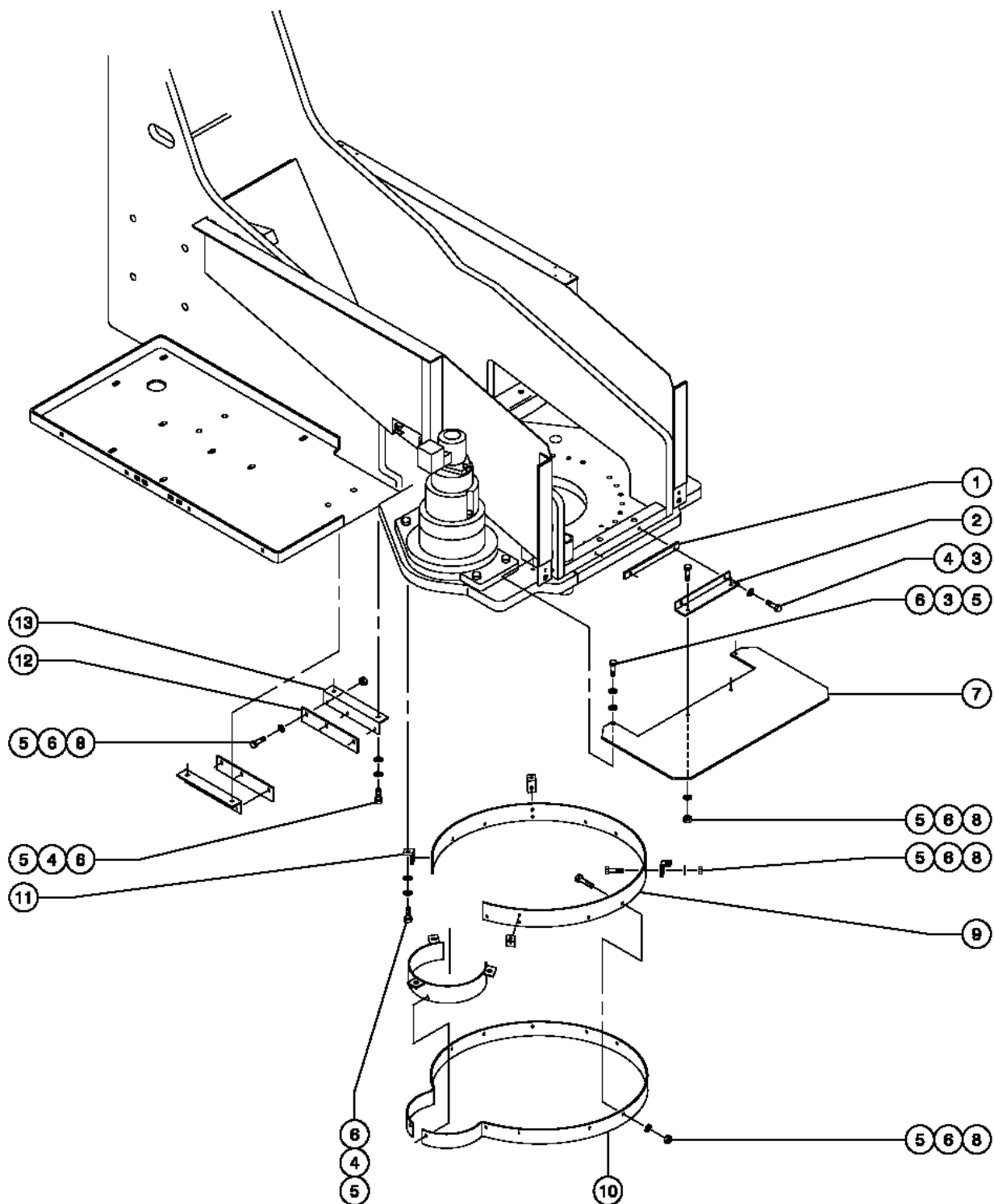
807.1 Hostile Environment Package, Bellows and Cylinders

**Typical
Bellows
Installation**

807.1 Hostile Environment Package, Bellows and Cylinders

Item	Part No.	Description	Qty.
--	34508	COVER,PROTECTIVE,OSC.CYLINDER.2	
--	35433	S60 HOSTILE ENVIRONMENT,OSC	
--	53616	S60 DELUXE HOSTILE ENVIRONMENT	
1	34507	COVER,PROTECTIVE,STEER CYL.....2	2
2	34505	COVER,PROTECTIVE,JIB CYLINDER.....1	1
3	34503	COVER,PROTECTIVE,SLAVE W/JIB.....1	1
4	38067	COVER,PROTECTIVE,LIFT CYLINDER.....1	1
5	34501	COVER,PROTECTIVE,MASTER W/JIB.....1	1
6	36208	CLAMP,HOSE,1.25***.....5	5
--	30489	CLAMP,HOSE,3.50.....1	1
7	30971	CLAMP,HOSE,3.00".....5	5
--	31523	CLAMP,HOSE,8.50 DIA***.....1	1

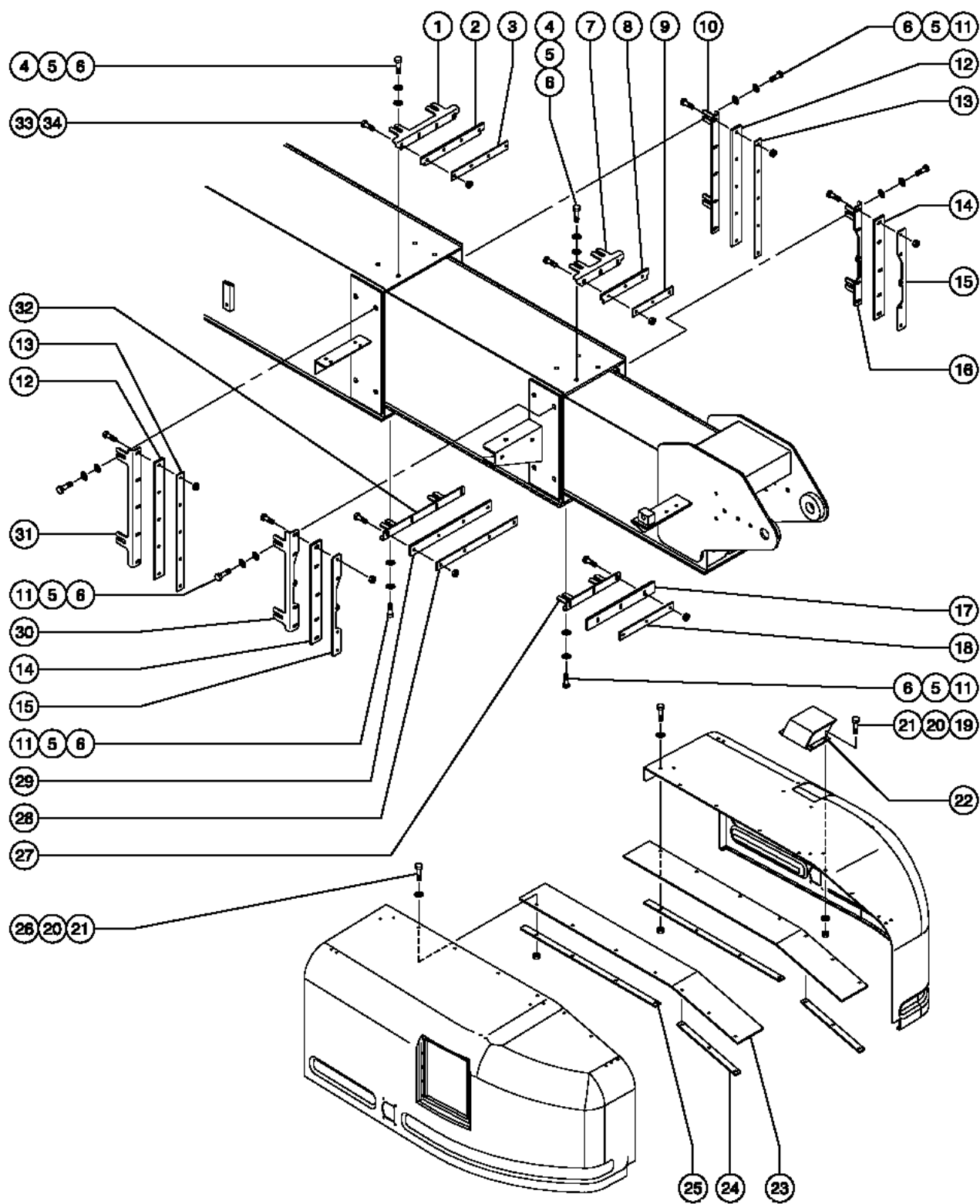
808.1 Hostile Environment Package, Turntable



808.1 Hostile Environment Package, Turntable

Item	Part No.	Description	Qty.
1	35424P	FLATBAR,CHASSIS SPACER BLUE.....	1
2	35423P	ANGLE,FRONT CHASSIS GUARD BLUE.....	1
3	6888	SCREW,HHC,1/4-20 X 1.....	2
4	6356	WASHER,LOCK,.25.....	8
5	6090	SCREW,HHC,1/4-20 X .75.....	31
6	6638	WASHER,FLAT,USS,1/4"Y.....	31
7	34992P	PLATE,FRONT CHASSIS GUARD,BLUE.....	1
8	6091	NUT,NYLOCK,1/4-20.....	21
9	35419P	BRACKET,RING GUARD.....	1
10	35421	WIPER,RING GEAR.....	1
11	81062P	ANGLE,RING GUARD *PAINTED....	4
12	53633	WIPER, RING GEAR.....	2
13	35420P	BRACKET,RING GUARD MTG.BLUE.....	2

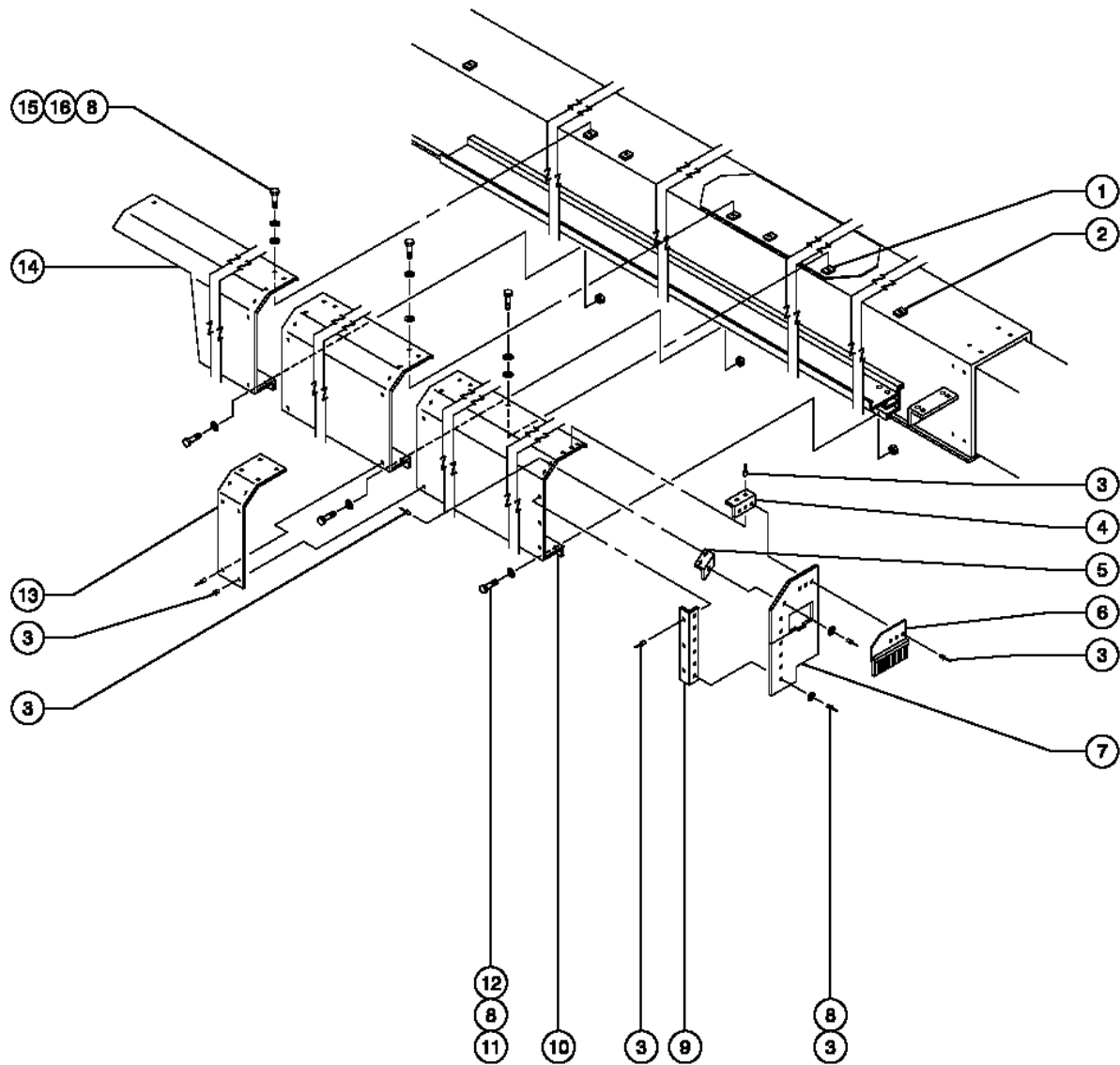
809.1 Hostile Environment Package, Boom and Turntable Covers



809.1 Hostile Environment Package, Boom and Turntable Covers

Item	Part No.	Description	Qty.
1	63179P	WIPER BRACKET, PNTD.....	1
2	63171	WIPER.....	1
3	63172P	BACKING PLATE, PNTD.....	1
4	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	4
5	6021	WASHER,LOCK,,375.....	16
6	5397	WASHER,FLAT,USS,5/16",Y.....	16
7	63135P	WIPER BRACKET, PNTD.....	1
8	63174	WIPER.....	1
9	63168P	BACKING PLATE, PAINTED.....	1
10	63143P	WIPER BRACKET, PNTD.....	1
11	8516	SCREW,HHC,3/8-16 X 1.50,GR5.....	12
12	63144	WIPER.....	2
13	63170P	BACKING PLATE, PNTD.....	2
14	63138	WIPER.....	2
15	63167P	BACKING PLATE, PNTD.....	2
16	63176P	WIPER BRACKET, PNTD.....	1
17	63136	WIPER.....	1
18	63175P	BACKING PLATE, PNTD.....	1
19	6145	SCREW,HHC,1/4-20 X 1.5.....	4
20	6638	WASHER,FLAT,USS,1/4"Y.....	4
21	6091	NUT,NYLOCK,1/4-20.....	4
22	34359-S	EXHAUST HOOD WELDMENT.....	1
23	34381	FLAP,SWING CHASSIS COVER.....	2
24	34389P	BAR,FLAP REINFORCING 23" BLUE.....	2
25	34388P	BAR,FLAP REINFORCING 37.5 BLUE.....	2
26	6888	SCREW,HHC,1/4-20 X 1.....	14
27	63177P	WIPER BRACKET, PNTD.....	1
28	63182P	BACKING PLATE, PNTD.....	1
29	63181	WIPER.....	1
30	63137P	WIPER BRACKET, PNTD.....	1
31	63180P	WIPER BRACKET, PNTD.....	1
32	63141P	WIPER BRACKET, PNTD.....	1
33	6878	BOLT,CARRIAGE,1/4-20 X .75,G2.....	34
34	6889	NUT,LP NYLOCK,1/4-20.....	34

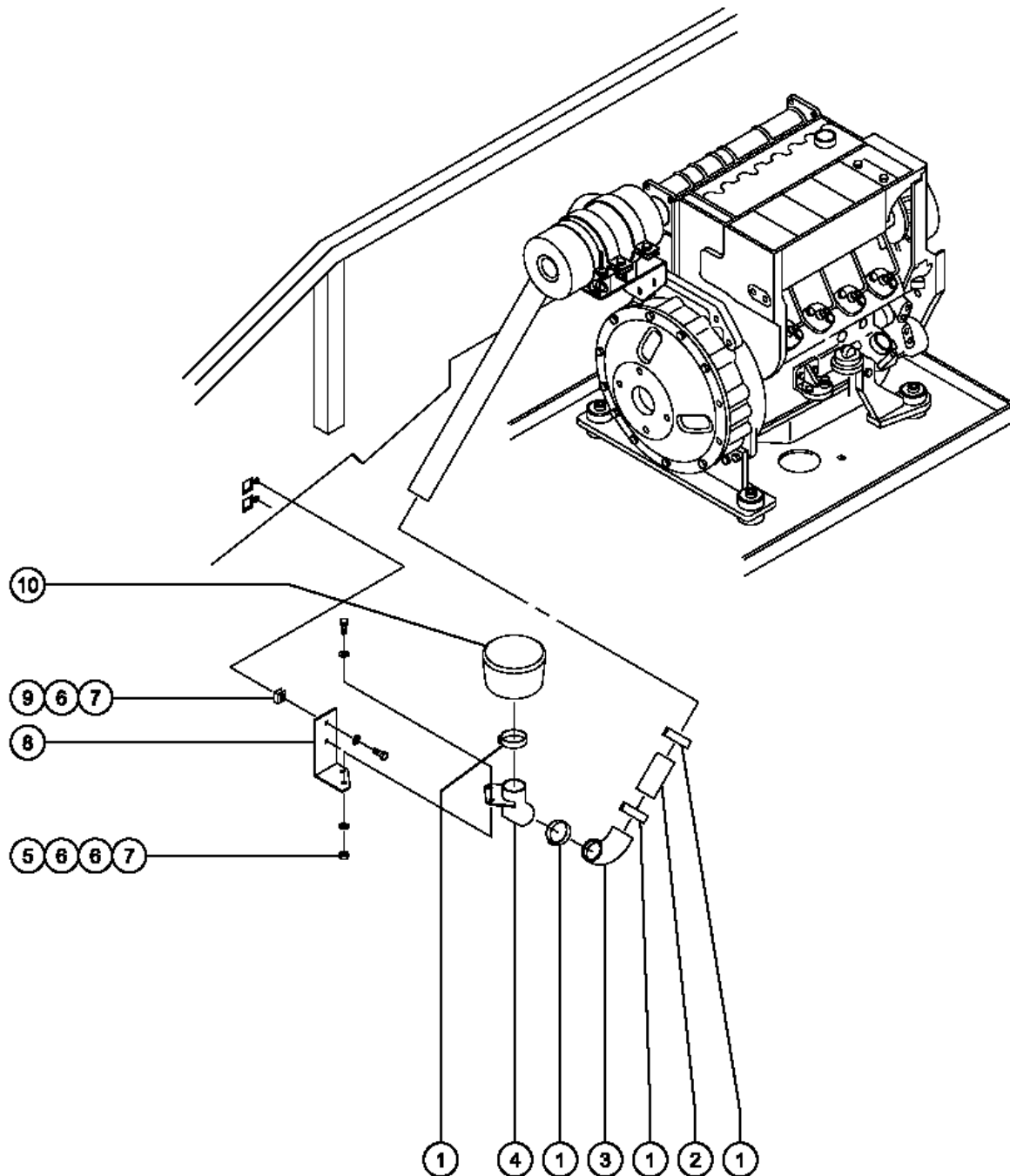
810.1 Hostile Environment Package, Cable Track



810.1 Hostile Environment Package, Cable Track

Item	Part No.	Description	Qty.
1	49626	BOLT PAD,CBL.TRK.CVR.,50**.....	2
2	49625	BOLT PAD,CBL.TRK.CVR.,75**.....	8
3	12037	RIVET,STL,STL,P,25 X .5.....	27
4	53144	BRACKET,CBL TRK GASKET,S60/80.....	1
5	53145	BRACKET,CBL TRK GASKET,S60/80.....	1
6	53146	BRUSH,CABLE TRACK COVER, 6.69.....	1
7	49624	END COVER GASKET,CBLE TRCK CVR.....	1
8	6638	WASHER,FLAT,USS,1/4"Y.....	17
9	53143	BRACKET, CABLE TRACK GASKET.....	1
10	53040	COVER, CABLE TRACK, 106.00"....	1
11	6090	SCREW,HHC,1/4-20 X .75.....	4
12	6889	NUT,LP NYLOCK,1/4-20.....	4
13	49623	JOINT COVER,CABLE TRACK.....	1
14	53039	COVER, CABLE TRACK, 102.00"....	1
15	8914	SCREW,HHC,1/4-20 X .625.....	10
16	6356	WASHER,LOCK,.25.....	10

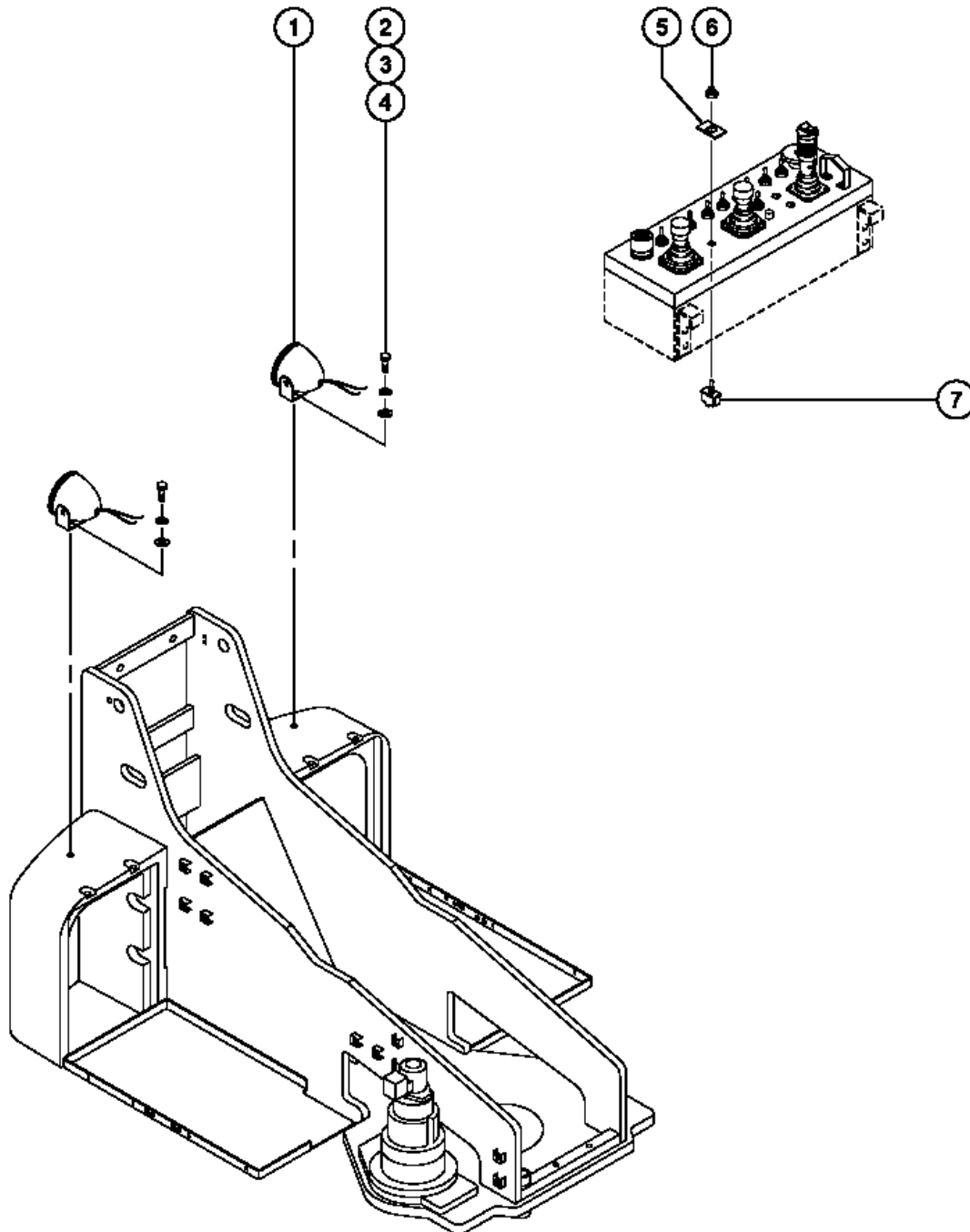
811.1 Hostile Environment Package, Engine



811.1 Hostile Environment Package, Engine

Item	Part No.	Description	Qty.
--	102007	OPT,PRECLEANER,PERKINS,S40	
--	36873	S60,80 HOSTILE ENVIRONMT,DEUTZ	
1	30971	CLAMP,HOSE,3.00".....	4
2	35067-800	TUBE,RD,ALUM 2.5 X .083..... <i>Deutz models</i>	1
--	35067-300	TUBE,RD,ALUM 2.5 X .083 X 3.00..... <i>Perkins models</i>	1
3	34164	ELBOW,90 DEGR,RUBBER,2.5" I.D.*.....	1
4	34526	WELDMENT,PRECLEANER MOUNT..... <i>Deutz models</i>	1
4	34894	WELDMENT,AIR CLEANER..... <i>Perkins models</i>	1
5	4828	NUT,NYLOCK,3/8-16.....	2
6	6097	WASHER,FLAT,USS,3/8",Y.....	6
7	6175	SCREW,HHC,3/8-16 X 1.....	4
8	53129	BRACKET, PRE-FILTER..... <i>Deutz models</i>	1
--	63633P	BRKT, PREFILTER ADAPTER PAINTD..... <i>Perkins models</i>	1
9	29868	SPRING CLIP,3/8-16.....	2
10	34959	PRECLEANER,AIR INTAKE***.....	1

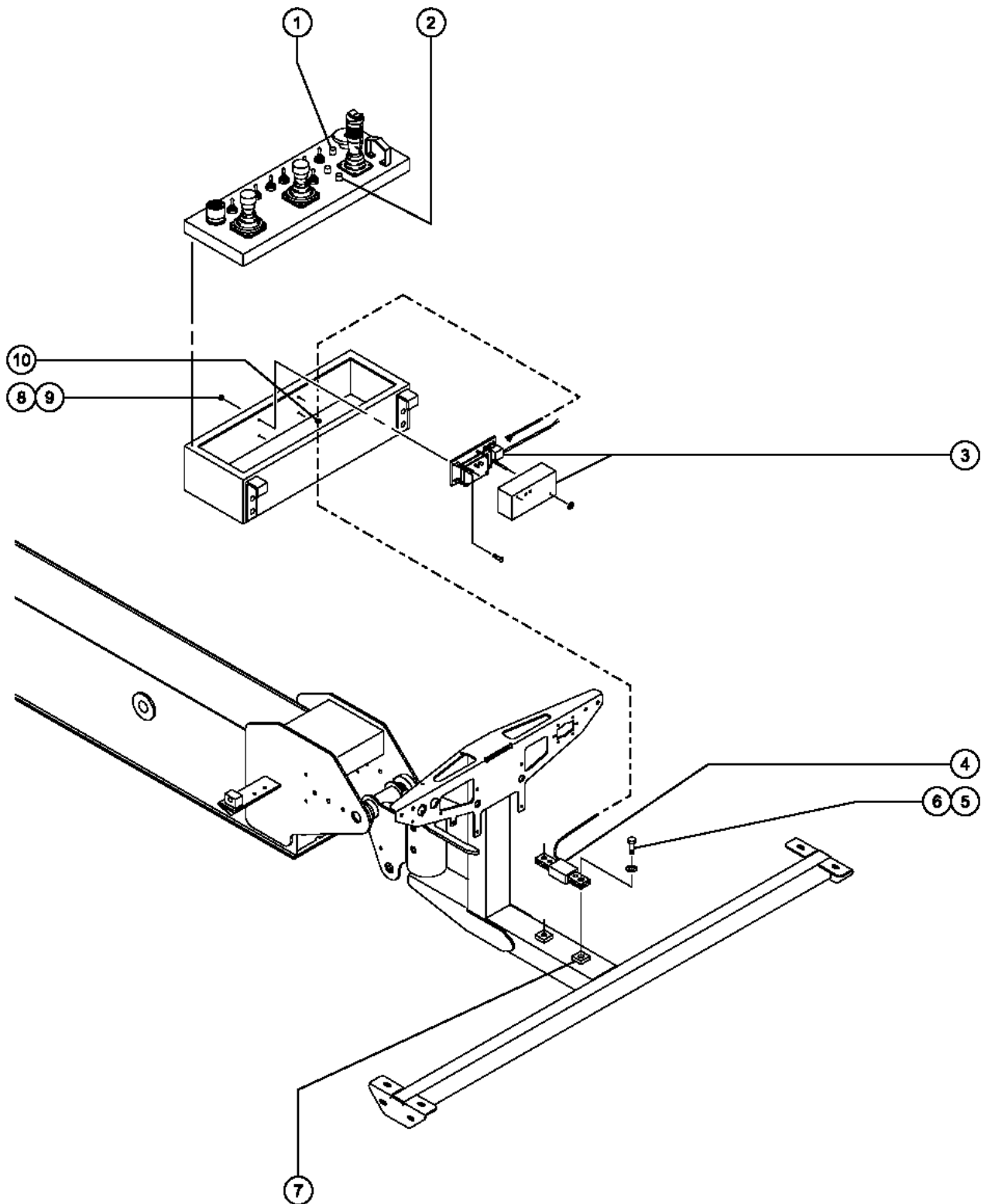
812.1 Drive Light Option



812.1 Drive Light Option

Item	Part No.	Description	Qty.
1	107857	WORKLIGHT,12 VOLT***.....	2
2	8255	SCREW,HHC,3/8-16 X .75.....	2
3	6021	WASHER,LOCK,,.375.....	2
4	5397	WASHER,FLAT,USS,5/16",Y.....	2
5	72867	DECAL,LABEL,LIGHTS***.....	1
6	27246	BOOT,TOGGLE SWITCH,SHORT*.....	1
7	27378-S	SWITCH,TOGGLE,DPDT,2POS MAINT*.....	1

813.1 Load Sensor Option



813.1 Load Sensor Option

Item	Part No.	Description	Qty.
--	46242FR	DECAL, LABEL, LOAD SENSOR	
1A	824879	LIGHT,LED IND. RED 12V NH.....1 <i>Diesel models</i>	
1B	45384	PLUG,NYLON .50 BLACK DOMED.....1 <i>Gasoline/LPG models</i>	
2A	824879	LIGHT,LED IND. RED 12V NH.....1 <i>Gasoline/LPG models</i>	
2B	45384	PLUG,NYLON .50 BLACK DOMED.....1 <i>Diesel models</i>	
3	56766	MODULE,LOAD SENSE,W/12V RELAY.....1	
4	56765	LOAD CELL BENDING TYPE.....1	
5	8255	SCREW,HHC,3/8-16 X .75.....2	
6	57201	WASHER,FLAT, 313, HARDENED.....2	
7	63397	BLOCK,LOAD SENSOR.....2	
8	12344	NUT,NYLOCK,6-32.....4	
9	49820	SCREW,PHILLIPS,PHM,6-32 X .5...4	
10	42646	GROMMET,RUBBER .25 X .50"OD.....1	

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Fitting Cross References

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12342	6-4 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	42794	1 CR-S	ELBOW,90°,MALE PIPE
13757	4 R6X-S	RUN TEE,SWIVEL NUT,ORFS	42795	BV-0839	BALL VALVE
19685	12-10 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	42796	BV-0838	BALL VALVE
22664	12-10 C5OX	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	42874	6-8 CLO-S	ELBOW,90°,MALE PIPE TO ORFS
27431	8-12 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	42912	13943-6-4	HOSE END,90° FEMALE SWIVEL,JIC
28678	AS-B-33	SLEEVE,NYLON,1.81" ID	42920	BV-0840	BALL VALVE,90°
39871	6 WETX-WLN-S	UNION,90° BULKHEAD W/NUT,FLARE TUBE	42932	AS-B-17	SLEEVE,NYLON,1.22" ID
39872	4 R5OX-S	RUN TEE,STRAIGHT THREAD	42936	10243-2-4	HOSE END,FEMALE PIPE
39873	6 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	42953	1/2 DD-S	ELBOW,90°,FEMALE PIPE
39874	8-6 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	42956	6 WELO-WLNL-S	UNION,90° BULKHEAD W/NUT,ORFS
39875	4-6 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	45349	8 V5OX-S	ELBOW,45°,STRAIGHT THREAD TO FLARE TUBE
39876	6-8 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE	45351	4 V5OX-S	ELBOW,45°,STRAIGHT THREAD TO FLARE TUBE
39877	4 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	47223	10343-6-6	HOSE END,MALE,JIC
39878	6 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	47419	PS690503-6-6	SWIVEL,90°,STRAIGHT THREAD TO 37° FLARE
39879	4-8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	48750	421-4	HOSE,1/4 INCH ID
39880	6-10 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	48751	481TC-4	HOSE,1/4 INCH ID
39881	4-6 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	48752	482TC-4	HOSE,1/4 INCH ID
39882	4-HP5ON-S	PLUG,STRAIGHT THREAD	48753	451TC-6	HOSE,3/8 INCH ID
39883	8-8 FTX-S	CONNECTOR,MALE PIPE TO FLARE TUBE	48754	482TC-6	HOSE,3/8 INCH ID
39885	269HB 12-12	ELBOW,90°,BEADED HOSE BARB TO MALE PIPE	48755	381-6	HOSE,3/8 INCH ID
39886	431-6	HOSE,3/8 INCH ID	48756	451TC-8	HOSE,1/2 INCH ID
39887	540N-2	HOSE,1/8 INCH ID	48757	482TC-8	HOSE,1/2 INCH ID
39888	801-8	HOSE,1/2 INCH ID	48758	381-8	HOSE,1/2 INCH ID
39889	801-12	HOSE,3/4 INCH ID	48759	381-10	HOSE,5/8 INCH ID
39890	10643-6-6	HOSE END,FEMALE SWIVEL,JIC	48760	451TC-10	HOSE,5/8 INCH ID
39891	13943-6-6	HOSE END,90° FEMALE SWIVEL,JIC	48761	482TC-12	HOSE,3/4 INCH ID
39892	13743-6-6	HOSE END,45° FEMALE SWIVEL,JIC	48762	451TC-12	HOSE,3/4 INCH ID
39894	30682-8-8	HOSE END,FEMALE SWIVEL,JIC	48763	772-12	HOSE,3/4 INCH ID
39895	30682-10-12	HOSE END,FEMALE SWIVEL,JIC	48764	881-16	HOSE,1 INCH ID
42286	8-8 CTX-S	ELBOW,90°,MALE PIPE TO FLARE TUBE	48765	772-16	HOSE,1 INCH ID
42756	8-12 CLO-S	ELBOW,90,MALE PIPE TO ORFS	48766	AS-B-15	SLEEVE,NYLON,1.06" ID
42757	8-12 FLO-S	CONNECTOR,MALE PIPE TO ORFS	48767	AS-B-22	SLEEVE,NYLON,1.42" ID
42758	4 JLO-S	UNION TEE,ORFS	48770	881-8	HOSE,1/2 INCH ID
42759	4-4 FLO-S	CONNECTOR,MALE PIPE TO ORFS			
42760	6-8 FLO-S	CONNECTOR,MALE PIPE TO ORFS			
42761	1J143-6-4	HOSE END,90° FEMALE SWIVEL,SEAL LOK			
42762	1J743-6-4	HOSE END,45° FEMALE SWIVEL,SEAL LOK			
42768	1JO43-4-4	HOSE END,MALE,SEAL LOK			
42776	601-8	HOSE,1/2 INCH ID			
42777	1J743-16-16	HOSE END,45° FEMALE SWIVEL,SEAL LOK			
42786	16 CLO-S	ELBOW,90°,MALE PIPE TO ORFS			
42787	16 R6LO-S	RUN TEE,SWIVEL NUT,ORFS			
42788	16-8 TRLO-BL-S	REDUCER,TUBE END TO SWIVEL,ORFS			
42789	6-6 CLO-S	ELBOW,90°,MALE PIPE TO ORFS			
42790	8-10 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS			
42791	3/4 CD-S	ELBOW,90°,MALE TO FEMALE PIPE			
42792	3/4 X 1/2 PTR-S	REDUCER,MALE TO FEMALE PIPE			
42793	1/2 CR-S	ELBOW,90°,MALE PIPE			

Fitting Cross References (Continued)

Genie PN	Parker PN	Description
48771	881-10	HOSE, 5/8 INCH ID
48772	381-4	HOSE, 1/4 INCH ID
48773	AS-B-13	SLEEVE, NYLON, .86" ID
48800	1JC43-4-4	HOSE END, FEMALE SWIVEL, SEAL LOK
48801	1J743-4-4	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48802	1J943-4-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48804	1JM43-4-4	HOSE END, MALE, SEAL LOK, NO O-RING
48805	10643-4-4	HOSE END, FEMALE SWIVEL, JIC
48806	13943-4-4	HOSE END, 90° FEMALE SWIVEL, JIC
48807	1JS43-4-4	HOSE END, FEMALE SWIVEL, SEAL LOK
48808	3JC82-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48809	3JC82-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48810	1JC43-6-4	HOSE END, FEMALE SWIVEL, SEAL LOK
48811	1J943-6-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48812	1JC43-6-6	HOSE END, FEMALE SWIVEL, SEAL LOK
48813	1J143-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48814	1J543-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48815	1J743-6-6	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48816	1J943-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48817	1JS43-6-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48818	1J943-8-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48819	1JC43-8-6	HOSE END, FEMALE SWIVEL, SEAL LOK
48820	1J743-8-6	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48821	1J943-8-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48822	1JC43-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48823	1JS43-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48824	1J143-8-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48825	1J543-8-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48826	1J743-8-8	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48827	1J943-8-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48828	1JC43-10-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48829	1JS43-10-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48830	1J743-10-8	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48831	1J943-10-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48833	1JC43-10-10	HOSE END, FEMALE SWIVEL, SEAL LOK
48834	1J943-10-10	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48835	1JS43-10-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48836	1JC43-12-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48837	1JS43-12-8	HOSE END, FEMALE SWIVEL, SEAL LOK
48838	1J743-12-8	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48839	1J943-12-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48840	1J943-12-10	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48841	1JC43-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48842	1JO43-12-12	HOSE END, MALE, SEAL LOK
48843	1J143-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48844	1J543-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48845	1J743-12-12	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48846	1J943-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK

Genie PN	Parker PN	Description
48847	13943-12-12	HOSE END, 90° FEMALE SWIVEL, JIC
48848	10543-12-12	HOSE END, MALE, STRAIGHT THREAD
48849	1JC71-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48850	1JS71-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48851	1J171-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48852	1J771-12-12	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48853	1J971-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48854	1JC43-16-16	HOSE END, FEMALE SWIVEL, SEAL LOK
48855	1J943-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48856	1J171-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48857	1J971-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48859	1JS43-8-4	HOSE END, FEMALE SWIVEL, SEAL LOK
48867	PD36BTL	DIAGNOSTIC NIPPLE, SEAL-LOK SWIVEL
48873	6 PNLO-S	PLUG, TUBE END, ORFS
48874	6 PNTX-S	PLUG, FLARE TUBE
48875	6 R6LO-S	RUN TEE, SWIVEL NUT, ORFS
48877	4 F5OLO-SW.025	CONNECTOR, STRAIGHT THREAD TO ORFS, W/.025 ORI
48878	16-12 C5OLO-S	ELBOW, 90°, STRAIGHT THREAD TO ORFS
48879	8 C6LO-S	ELBOW, 90°, SWIVEL NUT ORFS
48880	PD6-285	CAP, DIAGNOSTIC NIPPLE
48881	6 HLO-S	UNION, ORFS
48883	8 P5ON-S	PLUG, STRAIGHT THREAD
48884	8M18F87OMLO-S	CONNECTOR, METRIC, STRAIGHT THREAD TO ORFS
48885	4 WGTX-WLN-S	CONNECTOR, BULKHEAD, FEMALE PIPE TO FLARE TUBE
48886	4 F5OLO-SW/2MM	CONNECTOR, MACHINED STRAIGHT THREAD TO ORFS
48887	4 CTX-S	ELBOW, 90°, MALE PIPE TO FLARE TUBE
48888	10-12 V5OLO-S	ELBOW, 45°, STRAIGHT THREAD TO ORFS
48890	4 S5OLO-S	BRANCH TEE, STRAIGHT THREAD TO ORFS
48891	4 S6LO-S	BRANCH TEE, SWIVEL NUT TO ORFS

Fitting Cross References (Continued)

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
48892	6 C6LO-S	ELBOW,90°,SWIVEL NUT ORFS	48938	8 R6LO-S	RUN TEE,SWIVEL NUT,ORFS
48893	6 F5OHAQ-S	UNION,STRAIGHT THREAD	48939	8 S6LO-S	BRANCH TEE,SWIVEL NUT TO ORFS
48894	8 WLO-WLNL-S	UNION,BULKHEAD,ORFS	48940	8 WJJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS
48895	DT-370-MSMO-5	VALVE,CHECK	48941	8-4 TRLO-S	REDUCER,TUBE END TO SWIVEL,ORFS
48896	6 JLO-S	UNION,TEE,ORFS	48942	8-6 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
48897	DT-750-MSMS-5	VALVE,CHECK	48943	8-6 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48898	DT-750-MOMS-5	VALVE,CHECK	48944	8-8 FLO-S	CONNECTOR,MALE PIPE TO ORFS
48899	DT-620-MOMS-5	VALVE,CHECK	48945	8 FTX-S	CONNECTOR,MALE PIPE TO FLARE TUBE
48900	4-6 F5OLO-SW/.035	CONNECTOR,STRAIGHT THREAD TO ORFS, W/.035 ORI	48946	8-10 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48902	16-1 AOE4G-S	ELBOW,90° LONG,FEMALE PIPE TO STRAIGHT THREAD	48947	8-12 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
48903	1 FF-S	NIPPLE,PIPE	48948	8-12 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48904	4 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	48949	8-16 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48905	4 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	48950	10 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
48906	4 R5OLO-S	RUN TEE,STRAIGHT THREAD	48951	10 CC5OLO-S	ELBOW,90° LONG,STRAIGHT THREAD TO ORFS
48907	4 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	48952	10 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48908	4 R6LO-S	RUN TEE,SWIVEL NUT,ORFS	48953	10 R5OLO-S	RUN TEE,STRAIGHT THREAD
48909	4 WJJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS	48954	10 S5OLO-S	BRANCH TEE,STRAIGHT THREAD TO ORFS
48910	4 GTX-S W/.030	CONNECTOR,FEMALE PIPE TO FLARE TUBE	48955	10 R6LO-S	RUN TEE,SWIVEL NUT,ORFS
48911	4-6 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	48956	10-4 TRLO-BL-S	REDUCER,TUBE END TO SWIVEL,ORFS
48912	4-6 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	48957	10-6 TRLO-BL-S	REDUCER,TUBE END TO SWIVEL,ORFS
48913	4-6 F5OLO-SW/.030	CONNECTOR,STRAIGHT THREAD TO ORFS, W/.030 ORI	48958	10-12 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48914	4-8 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	48959	12 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
48915	6 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	48960	12 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
48916	6 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	48961	12 R5OLO-S	RUN TEE,STRAIGHT THREAD
48917	6 FF5OLO-S	CONNECTOR,LONG,STRAIGHT THREAD TO ORFS	48962	12 S5OLO-S	BRANCH TEE,STRAIGHT THREAD TO ORFS
48918	6 R5OLO-S	RUN TEE,STRAIGHT THREAD	48963	12 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS
48919	6 S5OLO-S	BRANCH TEE,STRAIGHT THREAD TO ORFS	48964	12 R6LO-S	RUN TEE,SWIVEL NUT,ORFS
48920	6 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	48965	12 CLO-S	ELBOW,90°,MALE PIPE TO ORFS
48921	6 FLO-S	CONNECTOR,MALE PIPE TO ORFS	48966	12 FLO-S	CONNECTOR,MALE PIPE TO ORFS
48922	6-6 FLO-S	CONNECTOR,MALE PIPE TO ORFS	48967	12 JLO-S	UNION TEE,ORFS
48923	6 P5ON-S	PLUG,STRAIGHT THREAD	48968	12 WLO-WLNL-S	UNION,BULKHEAD,ORFS
48925	6 WELO-S	UNION,90° BULKHEAD,ORFS	48969	12 WJJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS
48926	6-4 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	48970	12 WELO-WLNL-S	UNION,90° BULKHEAD W/NUT,ORFS
48927	6-4 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
48928	6-4 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS			
48929	6-8 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS			
48930	6-8 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
48931	6-10 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
48932	8 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS			
48933	8 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
48934	8 FF5OLO-S	CONNECTOR,LONG,STRAIGHT THREAD TO ORFS			
48935	8 R5OLO-S	RUN TEE,STRAIGHT THREAD			
48936	8 S5OLO-S	BRANCH TEE,STRAIGHT THREAD TO ORFS			
48937	8 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS			

Fitting Cross References (Continued)

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
48971	12 G5G5JG5-S	TEE,FEMALE STRAIGHT THREAD	49612	PKT02586	O-RING KIT (ORFS FITTINGS)
48972	12 XHL6-S	ADAPTER, 37° MALE TO SWIVEL ORFS	49613	PKT06276	PLUG AND CAP KIT-SERVICE,ORFS
48973	12-1/2 F5OG-S	ADAPTER,FEMALE PIPE TO STRAIGHT THREAD	49728	10143-12-12	HOSE END, MALE PIPE
48974	12-10 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	49729	16-1 F5OG-S	ADAPTER,FEMALE PIPE TO STRAIGHT THREAD
48975	12-10 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	49814	12-8 FLO-S	CONNECTOR,MALE PIPE TO ORFS
48976	12-16 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	49829	DT-500-MOMF-5	VALVE,CHECK
48977	12-16 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	49831	881-12	HOSE,3/4 INCH ID
48978	12-16 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	49834	16 JLO-S	UNION TEE,ORFS
48980	12-16 FLO-S	CONNECTOR,MALE PIPE TO ORFS	49838	12-8 TRLO-BL-S	REDUCER,TUBE END TO SWIVEL,ORFS
48983	16 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS	49840	8 JLO-S	UNION TEE,ORFS
48984	16 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	49844	10-8 TRLO-BL-S	REDUCER,TUBE END TO SWIVEL,ORFS
48985	16 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	49854	8 P5ON-S	PLUG,STRAIGHT THREAD
48986	16 FLO-S	CONNECTOR,MALE PIPE TO ORFS	49855	1JC43-16-12	HOSE END,FEMALE SWIVEL,SEAL LOK
48988	16 CD45-S	ELBOW,45°,MALE TO FEMALE PIPE	49859	4 P5ON-S	PLUG,STRAIGHT THREAD
48989	12 CD45-S	ELBOW,45°,MALE TO FEMALE PIPE	49861	4 FF5OLO-S	CONNECTOR,LONG,STRAIGHT THREAD TO ORFS
48990	8 CD45-S	ELBOW,45°,MALE TO FEMALE PIPE	49867	12-3/4 F5OG-S	ADAPTER,FEMALE PIPE TO STRAIGHT THREAD
48991	16-12 FLO-S	CONNECTOR,MALE PIPE TO ORFS	51152	6 R6X-S	RUN TEE,SWIVEL NUT,ORFS
48992	16-12 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	51153	6-4 TRTX-S	REDUCER,TUBE END TO SWIVEL,ORFS
48993	XV501-12	BALL VALVE	51154	4-4 GTX	CONNECTOR,FEMALE PIPE TO FLARE TUBE
48994	XV501-16	BALL VALVE	51264	881-12	HOSE,3/4 INCH ID
48995	XV510P-12	BALL VALVE	51265	8 JLO-S	UNION TEE,ORFS
48996	XV510P-16	BALL VALVE	51508	6 BTX-S	NUT,FLARE TUBE
48997	PD341	DIAGNOSTIC NIPPLE, STRAIGHT THREAD	51580	12-8 TRLO-BL-S	TUBE END REDUCER,ORFS
48998	PD 361	DIAGNOSTIC NIPPLE, STRAIGHT THREAD	51628	6 R6X-S	RUN TEE,SWIVEL NUT,ORFS
48999	DT-500-MOMS-5	VALVE,CHECK	51735	3/8 HHP	PLUG,PIPE THREAD
49201	10 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	51803	1J943-6-8	HOSE END,90° FEMALE SWIVEL,SEAL LOK
49202	1JC43-12-10	HOSE END,FEMALE SWIVEL,SEAL LOK	53023	125HBL-5-4	FITTING,HOSE BARB TO MALE PIPE
49203	10-8 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS	53497	PKT02585	O-RING KIT
49205	6 F5OHAO-S	UNION,STRAIGHT THREAD	53499	1JC71-16-16	HOSE END,FEMALE SWIVEL,SEAL LOK
49207	PD34BTL	DIAGNOSTIC NIPPLE,SEAL-LOK SWIVEL	53500	3-904	O-RING,STRAIGHT THREAD,-4
49209	8M18F870MX-S	CONNECTOR,METRIC,STRAIGHT THREAD TO FLARE TUBE	53501	3-906	O-RING,STRAIGHT THREAD,-6
49212	8 WGTX-WLN-S	CONNECTOR,BULKHEAD,FEMALE PIPE TO FLARE TUBE	53502	3-908	O-RING,STRAIGHT THREAD,-8
49213	30682-8-8	HOSE END,FEMALE SWIVEL,JIC	53503	3-910	O-RING,STRAIGHT THREAD,-10
49216	831-8	HOSE,1/2 INCH ID			
49217	33982-8-8	HOSE END,90° FEMALE SWIVEL,JIC			
49219	PS-B-35	SLEEVE,NYLON,2.19" ID			
49418	4-6 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS			
49511	DT370-MOMS-5	VALVE,CHECK			
49512	1 DD-S	ELBOW,90°,FEMALE PIPE			
49513	1 FF-S	NIPPLE,PIPE			
49514	10 HP5ON-S	PLUG,STRAIGHT THREAD			
49515	12-16 CLO-S	ELBOW,90°,MALE PIPE TO ORFS			
49517	6 HP5ON-S	PLUG,STRAIGHT THREAD			
49519	16-12 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
49520	4 VTX-S	ELBOW,45°,MALE PIPE TO FLARE TUBE			
49530	16 C6LO-S	ELBOW,90°,SWIVEL NUT ORFS			

Fitting Cross References (Continued)

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
53535	3-912	O-RING, STRAIGHT THREAD, -12	61083	24 F5OLO-S	CONNECTOR, STRAIGHT THREAD TO ORFS
53536	4-PNLO-S	PLUG, TUBE END, ORFS	61086	20 R5OLO-S	RUN TEE, STRAIGHT THREAD
53537	6 PNLO-S	PLUG, TUBE END, ORFS	61090	24-20 F5OLO-S	CONNECTOR, STRAIGHT THREAD TO ORFS
53538	8 PNLO-S	PLUG, TUBE END, ORFS	61091	1J943 24-24	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
53539	10 PNLO-S	PLUG, TUBE END, ORFS	61093	1J978-12-12	HOSE END, 90° FEMALE SWIVEL, JIC
53540	12 PNLO-S	PLUG, TUBE END, ORFS	61095	1JS43-20-16	HOSE END, FEMALE SWIVEL, SEAL LOK
53946	129HB-5-4	FITTING, 90° HOSE BARB TO MALE PIPE	61100	811-24	HOSE, 1 1/2 INCH ID
53951	8-1/4F5OG-S	ADAPTER, FEMALE PIPE TO STRAIGHT THREAD	61130	1JS43-24-24	HOSE END, FEMALE SWIVEL, SEAL LOK
53980	6 S6LO-S	BRANCH TEE, SWIVEL NUT TO ORFS	61131	1JS78 12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
54132	4 C6LO-S	ELBOW, 90°, SWIVEL NUT ORFS	61132	1J778-12-12	HOSE END, 45° FEMALE SWIVEL, JIC
54135	11343-16-16	HOSE END, MALE SWIVEL, PIPE	61152	139HB-6-4	ELBOW, 45°, BARB TO MALE PIPE
54283	8-10 C5OLO-S	ELBOW, 90°, STRAIGHT THREAD TO ORFS	61251	BV-0750	BALL VALVE
54428	8M18C87OMLO-S	ELBOW, 90° METRIC, STRAIGHT THREAD TO ORFS	61259	4 CC5OLO-S	ELBOW, 90° LONG, STRAIGHT THREAD TO ORFS
54803	FS-F-16-10	SLEEVE, FIRE, .96" ID	61260	20-12 TRLO-BL	REDUCER, TUBE END TO SWIVEL, ORFS
54954	10143-2-4	HOSE END, MALE PIPE	61262	12 C6LO-S	ELBOW, 90°, SWIVEL NUT ORFS
55190	3/8 HP-S	PLUG, PIPE THREAD	61263	20 F5OHAO-S	UNION, STRAIGHT THREAD
55448	8 HLO-S	UNION, ORFS	61264	6-10 C5OLO-S	ELBOW, 90°, STRAIGHT THREAD TO ORFS
55839	6 F65OX-S	CONNECTOR, STRAIGHT THREAD TO 37° SWIVEL	61265	6 WNLO-WLNL-S	UNION, BULKHEAD 45°, ORFS
55968	10 C5OX-S	ELBOW, 90°, STRAIGHT THREAD TO FLARE TUBE	61268	4 WNLO-WLNL-S	UNION, BULKHEAD 45°, ORFS
56003	6 CC5OLO-S	ELBOW, 90° LONG, STRAIGHT THREAD TO ORFS	61269	4 WLO-WLNL-S	UNION, BULKHEAD, ORFS
56166	BV-0837	BALL VALVE, 90°	61272	12 AOEL6	ELBOW, 90°, STRAIGHT THREAD TO ORFS SWIVEL
56188	10143-8-6	HOSE END, MALE PIPE	61316	482TC-16	HOSE, 1 INCH ID
56233	2-011	O-RING, ORFS, -4	61321	6 JLO-S	UNION TEE, ORFS
56234	2-012	O-RING, ORFS, -6	61327	782-12	HOSE, 3/4 INCH ID
56235	2-014	O-RING, ORFS, -8	61328	881-24	HOSE, 1 1/2 INCH ID
56236	2-016	O-RING, ORFS, -10	61336	11943-20-24	HOSE END, 90° FLANGE HEAD
56237	2-018	O-RING, ORFS, -12	61345	12 WJJLO-WLNL-S	RUN TEE, BULKHEAD, ORFS
56238	2-021	O-RING, ORFS, -16	61346	8 WNLO-WLNL-S 4	UNION, BULKHEAD 45°, ORFS
56352	6 WLNL-S	LOCKNUT, BULKHEAD	61569	33782-8-8	HOSE END, 45° FEMALE SWIVEL, JIC
56353	3J782-12-12	HOSE END, 45° FEMALE SWIVEL, SEAL LOK	61610	12 FF5OLO-S	CONNECTOR, LONG, STRAIGHT THREAD TO ORFS
56354	3J982-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	61742	1/8 X 1.5 FFF	NIPPLE, PIPE
56604	10-8 F5OLO-S	CONNECTOR, STRAIGHT THREAD TO ORFS	63426	8 PNTX-S	PLUG, FLARE TUBE
56639	3JC82-10-10	HOSE END, FEMALE SWIVEL, SEAL LOK			
56640	3J982-10-10	HOSE END, 90° FEMALE SWIVEL, SEAL LOK			
56655	3JC82-8-10	HOSE END, FEMALE SWIVEL, SEAL LOK			
56676	10-8 C5OLO-S	ELBOW, 90°, STRAIGHT THREAD TO ORFS			
56776	471TC-6	HOSE, 3/8 INCH ID			
56777	471TC-8	HOSE, 1/2 INCH ID			
56789	811-16	HOSE, 1 INCH ID			
57884	3/8 FF	NIPPLE, PIPE			
59335	6 FNL-S	CAP, TUBE END			
59342	4 FNL-S	CAP, TUBE END			
59371	8 HP5ON-S	PLUG, STRAIGHT THREAD			
60653	BV-0751	BALL VALVE			
60806	125HB-3-4	FITTING, HOSE BARB TO MALE PIPE			
61064	5-1/4 F5OG-S	ADAPTER, FEMALE PIPE TO STRAIGHT THREAD			
61079	4 WELO-WLNL-S	UNION, 90° BULKHEAD W/NUT, ORFS			
61080	6 WLO-WLNL-S	UNION, BULKHEAD, ORFS			

Fitting Cross References (Continued)

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
64271	4 WLO-WLNL-S	UNION,BULKHEAD,ORFS	75631	801-6	HOSE,3/8 INCH ID
64272	6 WLO-WLNL-S	UNION,BULKHEAD,ORFS	75654	20 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS
65776	8 F65OL-S	CONNECTOR,STRAIGHT THREAD TO ORFS SWIVEL	75655	1J943-20-20	HOSE END,90° FEMALE SWIVEL,SEAL LOK
65880	6001012	O-RING KIT	75656	881-20	HOSE,1-1/4 INCH ID
66154	6 WTX-WLNS	UNION,BULKHEAD,FLARE TUBE	75971	8 F5OHAO-S	UNION,STRAIGHT THREAD
66155	6 WETX-S	UNION,BULKHEAD 90°,FLARE TUBE	77307	1JB43-8-8	HOSE END,BULKHEAD,SEAL LOK
66156	6 WLNL-S	BULKHEAD LOCKNUT	77309	8 WLNL-S	BULKHEAD LOCKNUT
66389	6-8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	77379	8M18C87OMX-S	ELBOW,90° METRIC,STRAIGHT THREAD TO FLARE TUBE
66392	6 R5OX-S	RUN TEE,STRAIGHT THREAD	77703	3J982-8-8	HOSE END,90° FEMALE SWIVEL,SEAL LOK
66396	811-12	HOSE,3/4 INCH ID	77711	801-10	HOSE,5/8 INCH ID
66829	H3174PP	CLAMP,TUBE	77758	12 WNLO-WLNL-S	UNION,BULKHEAD 45°,ORFS
67217	4 KLO-S	UNION,CROSS,ORFS	78091	6 C6X-S	ELBOW,90°,SWIVEL NUT TO FLARE TUBE
67339	10-6 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE	78684	30582-8-8B	HOSE END,PUSH LOK,MALE
67357	13943-8-6	HOSE END,90° FEMALE SWIVEL,JIC	78852	549-2	HOSE,1/8 INCH ID
67358	10 HP5ON-S	PLUG,STRAIGHT THREAD	78855	10657-4-2	HOSE END,FEMALE SWIVEL,JIC
67371	12 S6LO-S	BRANCH TEE,SWIVEL NUT TO ORFS	79138	PS-B-37	SLEEVE,NYLON,2.38" ID
67498	4 FNL-S	CAP, TUBE END	79476	1JS43-6-8	HOSE END,FEMALE SWIVEL,SEAL LOK
67906	DC-370-F0F0-5	VALVE,CHECK	79847	12-3/4 A0EG-S	ELBOW,90°,STRAIGHT THREAD TO FEMALE PIPE
69316	8 FLO-S	CONNECTOR,MALE PIPE TO ORFS	80044	8 CLO-S	ELBOW,90°,MALE PIPE TO ORFS
69333	H3174PP	CLAMP,HYDRAULIC HOSE	80502	8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE
69503	4 F65OX-S	CONNECTOR,STRAIGHT THREAD TO 37° SWIVEL	80503	8 C5OX-S	ELBOW,90°,STRAIGHT THREAD TO FLARE TUBE
69775	8 FNL-S	CAP, TUBE END	81010	AS-B-27	SLEEVE,NYLON,1.63" ID
71038	1/4X1/4F3HG-S	ADAPTER,CONVERSION	83052	821-6	HOSE,3/8 INCH ID
71196	12-8 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS	83053	821-8	HOSE,1/2 INCH ID
71383	1/4 CD45-S	ELBOW,45°,MALE TO FEMALE PIPE	83054	821-12	HOSE,3/4 INCH ID
72270	12FNL-S	CAP, TUBE END	83055	30682-6-6	HOSE END,FEMALE SWIVEL,JIC
73436	60C-4	SLEEVE,COMPRESSION	83056	30682-12-12	HOSE END,FEMALE SWIVEL,JIC
73437	61C-4	NUT,COMPRESSION	83057	33782-6-6	HOSE END,45° FEMALE SWIVEL,JIC
73438	33482-4-4B	HOSE END,PUSH LOK,MALE	83058	33982-6-6	HOSE END,90° FEMALE SWIVEL,JIC
73767	1CD-S	ELBOW,90°,MALE TO FEMALE PIPE	83060	33982-12-12	HOSE END,90° FEMALE SWIVEL,JIC
73768	20-16-F5OG5-S	ADAPTER,FEMALE PIPE TO STRAIGHT THREAD	83063	13743-4-4	HOSE END,45° FEMALE SWIVEL,JIC
73769	16-20 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
74660	6-8 F42EDMLO-S	CONNECTOR,MALE BSPP TO ORFS			
74661	8-8 F42EDMLO-S	CONNECTOR,MALE BSPP TO ORFS			
75007	4 FLO-S	CONNECTOR,MALE PIPE TO ORFS			
75008	1/8 HP-S	PLUG,PIPE THREAD			
75014	1/2 HP-S	PLUG,PIPE THREAD			
75042	8 WELO-WLNL-S	UNION,90° BULKHEAD W/NUT,ORFS			
75043	3/4 FF-S	NIPPLE,PIPE			
75254	24 F5OHAO-S	UNION,STRAIGHT THREAD			
75255	12 F5OHAO-S	UNION,STRAIGHT THREAD			
75256	XV506P-24	BALL VALVE			
75574	4 WLNL-S	BULKHEAD LOCKNUT			
75612	8 WJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS			
75613	12-8 F5OG5-S	ADAPTER,FEMALE PIPE TO STRAIGHT THREAD			
75614	8 CC5OLO-S	ELBOW,90° LONG,STRAIGHT THREAD TO ORFS			
75628	1JB43-4-4	HOSE END,BULKHEAD,SEAL LOK			

Fitting Cross References (Continued)

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
83064	13743-8-8	HOSE END,45° FEMALE SWIVEL,JIC	89449	6 WJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS
83065	13743-12-12	HOSE END,45° FEMALE SWIVEL,JIC	89489	4 WJMLO-S	BRANCH TEE,BULKHEAD,ORFS
83066	13943-8-8	HOSE END,90° FEMALE SWIVEL,JIC	89551	1JB43-6-6	HOSE END,BULKHEAD,SEAL LOK
83067	14143-6-6	HOSE END,90° FEMALE SWIVEL,JIC	89552	1JB43-8-8	HOSE END,BULKHEAD,SEAL LOK
83068	14143-8-8	HOSE END,90° FEMALE SWIVEL,JIC	89593	20 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
83069	14143-12-12	HOSE END,90° FEMALE SWIVEL,JIC	94161	8-8 CLO-S	ELBOW,90°,MALE PIPE TO ORFS
83070	772-8	HOSE,1/2 INCH ID	94358	351TC-12	HOSE,3/4 INCH ID
83071	10671-8-8	HOSE END,FEMALE SWIVEL,JIC	94418	20 FLO-S	CONNECTOR,MALE PIPE TO ORFS
83072	10671-12-12	HOSE END,FEMALE SWIVEL,JIC	96358	12 TX-S	SLEEVE,FLARE TUBE
83073	13771-8-8	HOSE END,45° FEMALE SWIVEL,JIC	96359	12 BTX-S	NUT,FLARE TUBE
83074	13771-12-12	HOSE END,45° FEMALE SWIVEL,JIC	96397	8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE
83075	13971-8-8	HOSE END,90° FEMALE SWIVEL,JIC	96398	12-8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE
83076	13971-12-12	HOSE END,90° FEMALE SWIVEL,JIC	96402	10343-6-6	HOSE END,MALE,JIC
83077	14171-8-8	HOSE END,90° FEMALE SWIVEL,JIC	96407	30382-6-6B	HOSE END,MALE,JIC
83078	14171-12-12	HOSE END,90° FEMALE SWIVEL,JIC			
83080	13943-16-16	HOSE END,90° FEMALE SWIVEL,JIC			
83103	10671-16-12	HOSE END,FEMALE SWIVEL,JIC			
83104	10671-10-12	HOSE END,FEMALE SWIVEL,JIC			
83112	1JC71-8-8	HOSE END,FEMALE SWIVEL,SEAL LOK			
83113	1JS71-16-12	HOSE END,FEMALE SWIVEL,SEAL LOK			
83114	1JS71-10-12	HOSE END,FEMALE SWIVEL,SEAL LOK			
83115	1J971-8-8	HOSE END,90° FEMALE SWIVEL,SEAL LOK			
83116	1J171-8-8	HOSE END,90° FEMALE SWIVEL,SEAL LOK			
83117	1J771-8-8	HOSE END,45° FEMALE SWIVEL,SEAL LOK			
83127	1J543-6-8	HOSE END,90° FEMALE SWIVEL,JIC			
83128	1JC43-6-8	HOSE END,FEMALE SWIVEL,SEAL LOK			
87033	12-6 TRLO-S	REDUCER,TUBE END TO SWIVEL,ORFS			
87034	3J782-8-8	HOSE END,45° FEMALE SWIVEL,SEAL LOK			
87172	12 HP5ON-S	PLUG,STRAIGHT THREAD			
87185	8 WNLO-WLNL-S	UNION,BULKHEAD 45°,ORFS			
87246	4 C6X-S	ELBOW,90°,SWIVEL NUT TO FLARE TUBE			
87679	6 LHP-S	FLANGE SEAL FITTING, MALE			
87681	6PLS N0702	BONDED SEAL			
88100	SR88100	ADAPTER,OIL DRAIN,GM 3.0L			
88311	1JS43-20-20	HOSE END,FEMALE SWIVEL,SEAL LOK			
88353	20 V5OLO-S	ELBOW,45°,STRAIGHT THREAD TO ORFS			
88474	10081-20	Crimp Shell, 1.25"			
88475	1988-20-24	HOSE END,90° FLANGE HEAD			
88476	JS88-24-24	HOSE END,FEMALE SWIVEL,SEAL LOK			
88477	1JC88-20-20	HOSE END,FEMALE SWIVEL,SEAL LOK			
88478	811-20	HOSE,11/4 INCH ID			
88936	20-16 F5OLO-S	CONNECTOR,STRAIGHT THREAD TO ORFS			
88937	20-16 FLO-S	CONNECTOR,MALE PIPE TO ORFS			
88938	1JC88-16-16	HOSE END,FEMALE SWIVEL,SEAL LOK			
88939	1J988-16-16	HOSE END,90° FEMALE SWIVEL,ORFS			
88940	811-16	HOSE,1 INCH ID			
88944	1J988-20-20	HOSE END,90° FEMALE SWIVEL,ORFS			
89403	16 VLO-S	ELBOW,45°,MALE PIPE TO ORFS			

California Proposition 65

Warning

The exhaust from this product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

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