



Parts Manual

Serial Number Range

Z-45/22

from SN 2133 to 9999

Part No. 52032

Rev C4

August 2014

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:

Internet: 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 Z-45/22 IC Parts Manual (to SN 1522).....	28145
Genie Z-45/22 IC Parts Manual (from SN 1523-2132).....	32961

Contact Us:

<http://www.genielift.com>

e-mail: awp.techpub@terex.com

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Third Edition, Second Printing

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 Printed on recycled paper



Model: Z-45/22

Serial number: Z452207A-8000

Model year: 2007 **Manufacture date:** 04/12/07

Electrical schematic number: ES0274

Machine unladen 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:

0 deg

Maximum wind speed : 28 mph/ 12.5 m/s

Maximum platform height : 45 ft 6 in/ 13.8 m

Maximum platform reach : 25 ft 3 in/ 7.7 m

Gradeability: N/A

Country of manufacture: USA

This machine complies with:

ANSI A92.5

CAN B.354.4

Genie Industries

18340 NE 76th Street

Redmond, WA 98052

USA



11111111

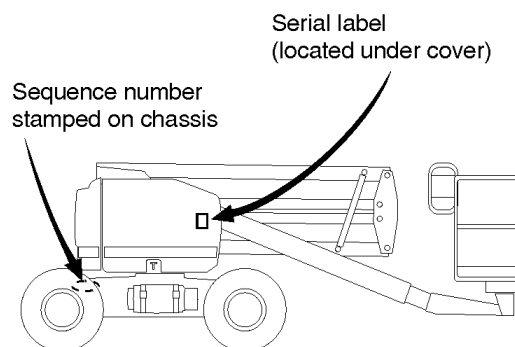
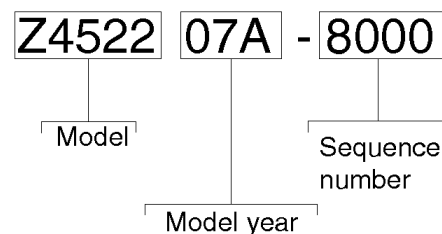


Table of Contents

This manual is updated frequently. If you have a printed manual, you can keep it up to date by downloading new figures from the Genie website at www.genielift.com. For the most up-to-date parts information, visit the Parts Lookup System on the Genie website at www.genielift.com.

How to Read Your Serial Number.....	3
Parts Stocking List.....	7
How to Order Parts.....	8
Service Parts Fax Order Form.....	9

Electronic Version

Click on any page number to view the figure.

100 Decals and Paint

101.1 Decals and Paint - View 1 (from SN 5052).....	10
101.2 Decals and Paint - Profile View (to SN 5051).....	12
102.1 Decals and Paint - View 2 (from SN 5052).....	14
102.2 Decals and Paint - End View (to SN 5051).....	16
103.1 Decals and Paint - View 3 (from SN 5052).....	18
103.2 Decals and Paint - Overhead View and Platform (to SN 5051).....	20

200 2WD Drive Chassis Components

201.1 2WD Steer Axle Linkage - Non-oscillating Models.....	22
202.1 2WD Steer Axle Linkage - Oscillating Models.....	24
203.1 2WD Oscillating System.....	26
204.1 2WD Steer/Oscillating Manifold.....	28
205.1 2WD Non-steer Axle.....	30
206.1 2WD Drive Manifold (to SN 2538).....	32
206.2 2WD Drive Manifold (from SN 2539).....	34
207.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Non-oscillating Models.....	36
208.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models.....	40

300 4WD Drive Chassis Components

301.1 4WD Steer Axle Linkage - Oscillating Models.....	44
302.1 4WD Oscillating System.....	46
303.1 4WD Steer/Oscillating Manifold.....	48
304.1 4WD Non-steer Axle.....	50
305.1 4WD Drive Manifold (to SN 2538).....	52
305.2 4WD Drive Manifold (from SN 2539).....	54
306.1 4WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models.....	56

400 Engine Components

401.1 Engine Pivot Mount Components - Ford Gasoline/LPG Engine.....	60
402.1 Ford LSG-423 Engine - View 1 (to SN 2538).....	62
403.1 Ford LSG-423 Engine - View 2 (to SN 2538).....	64
404.1 Ford LSG-423 Engine - View 3 (to SN 2538).....	66
405.1 Ford LSG-423 Engine - View 4 (to SN 2538).....	68
406.1 Ford LRG-423 Engine - View 1 (from SN 2539 to 7600).....	70
407.1 Ford LRG-423 Engine - View 2 (from SN 2539 to 7600).....	72
408.1 Ford LRG-423 Engine - View 3 (from SN 2539 to 7600).....	74
409.1 Ford LRG-425 EFI Engine - View 1 (from SN 7601).....	76
410.1 Ford LRG-425 EFI Engine - View 2 (from SN 7601).....	80
411.1 Ford LRG-425 EFI Engine - View 3 (from SN 7601).....	82
412.1 Engine Pivot Mount Components - Deutz Diesel Engine.....	84
413.1 Deutz F3L 1011F Engine - View 1 (from SN 2833).....	86
414.1 Deutz F3L 1011F Engine - View 2 (from SN 2833).....	88
415.1 Deutz F3L 1011F Engine - View 3 (from SN 2833).....	90

500 Turntable Components

501.1 Turntable Rotator.....	92
502.1 Hydraulic Tank and Filter.....	94
503.1 Fuel Tank - Gasoline/LPG models.....	96
504.1 Fuel Tank - Diesel models.....	98
505.1 Function Manifold.....	100
506.1 Ground Controls - View 1.....	104
507.1 Ground Controls - View 2.....	106
508.1 Turntable Covers - Gasoline/LPG models.....	108
509.1 Turntable Covers - Diesel models.....	110
510.1 Hydraulic Hoses and Fittings - Turntable Components.....	112

600 Boom Components

601.1 Secondary Boom - View 1.....	116
602.1 Secondary Boom - View 2.....	118
603.1 Boom Rests - Upper Mid-pivot and Primary Boom.....	120
604.1 Boom Limit Switches.....	122
605.1 Upper Mid-pivot.....	124
606.1 Primary and Extension Booms.....	126
607.1 Cable Track Installation.....	128
608.1 Platform Leveling and Rotation.....	130
609.1 Hydraulic Hoses and Fittings - Boom Components.....	132

700 Platform Components

701.1 Platform Installation.....	134
702.1 Platform Controls - View 1.....	138

703.1 Platform Controls - View 2.....	140
704.1 Joystick Controller - Drive/Steer Functions.....	142
705.1 Joystick Controller - Boom Functions, Single Axis....	144
706.1 Joystick Controller - Boom Functions, Dual Axis.....	146

800 Accessories

801.1 Alarm And Beacon Package.....	148
802.1 Platform Options.....	150
803.1 Airline to Platform.....	152
804.1 Generators.....	154
805.1 Cold Start Package - Ford and Deutz Engines.....	156

Indices

Part Number Index.....	158
Part Description Index.....	162

Cross References

Fittings Cross Reference.....	170
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Notes

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Required Parts

The following parts are required to perform maintenance procedures as outlined in the *Genie Z-45/22 Service Manual*.

Description	Part No.
Plug and Cap Kit (for ORFS fittings).....	33994
Hydraulic Tank Filter Element Kit.....	48470
Filter, Hydraulic Medium Pressure.....	20880
Lithium Based Grease.....(source locally)	
Dielectric Grease	66399
Drive Hub Oil (refer to Service Manual) ..(source locally)	

Deutz F3L-1011 Models:

Description	Part No.
Air Filter	27916
Fuel/water Separator Element.....	29560
Engine Oil Filter	49924
V-belt	32698

Ford LSG-423 Models (to serial number 2538):

Description	Part No.
Fuel Filter	28662
Engine Oil Filter	28656
Air Filter Element	27916
V-Belt	28652
PCV Valve	33957
Spark Plug	28647
Spark Plug Wires	28648

Ford LRG-425 Models (from serial number 2539 to 7600):

Description	Part No.
Fuel Filter	28662
Engine Oil Filter	28556
Air Filter Element	27916
Serpentine Belt	33961
PCV Valve.....	33957
Spark Plug	28647
Spark Plug Wires	33954

Ford LRG-425 Models (from serial number 7601):

Description	Part No.
Fuel Filter	52567
Filter, Pre-Filter	52179
Engine Oil Filter	52581
Air Filter Element	27916
Serpentine Belt	52580
PCV Valve.....	33957
Spark Plug	28647
Spark Plug Wires	52570

Recommended Parts

Description	Part No.
Genie Blue Paint, 1 Gallon	32150
Genie Blue Paint, 12 Ounce Aerosol	1484
Genie Gray Paint, 1 Gallon.....	32151
Genie Gray Paint, 12 Ounce Aerosol	1268

Manuals

Genie offers the following support documents for these models:

Title	Part No.
Genie Z-45/22 IC Operator's Manual (from serial number 1523 to 5051)	32921
Genie Z-45/22 IC Operator's Manual (from serial number 5052 to 9996)	43636
Genie Z-45/22 IC Service Manual	32960
EMI Safety Manual	27581
Manual of Responsibilities ANSI A92.5	31779

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

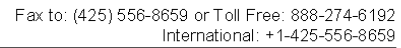
Model

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 _____

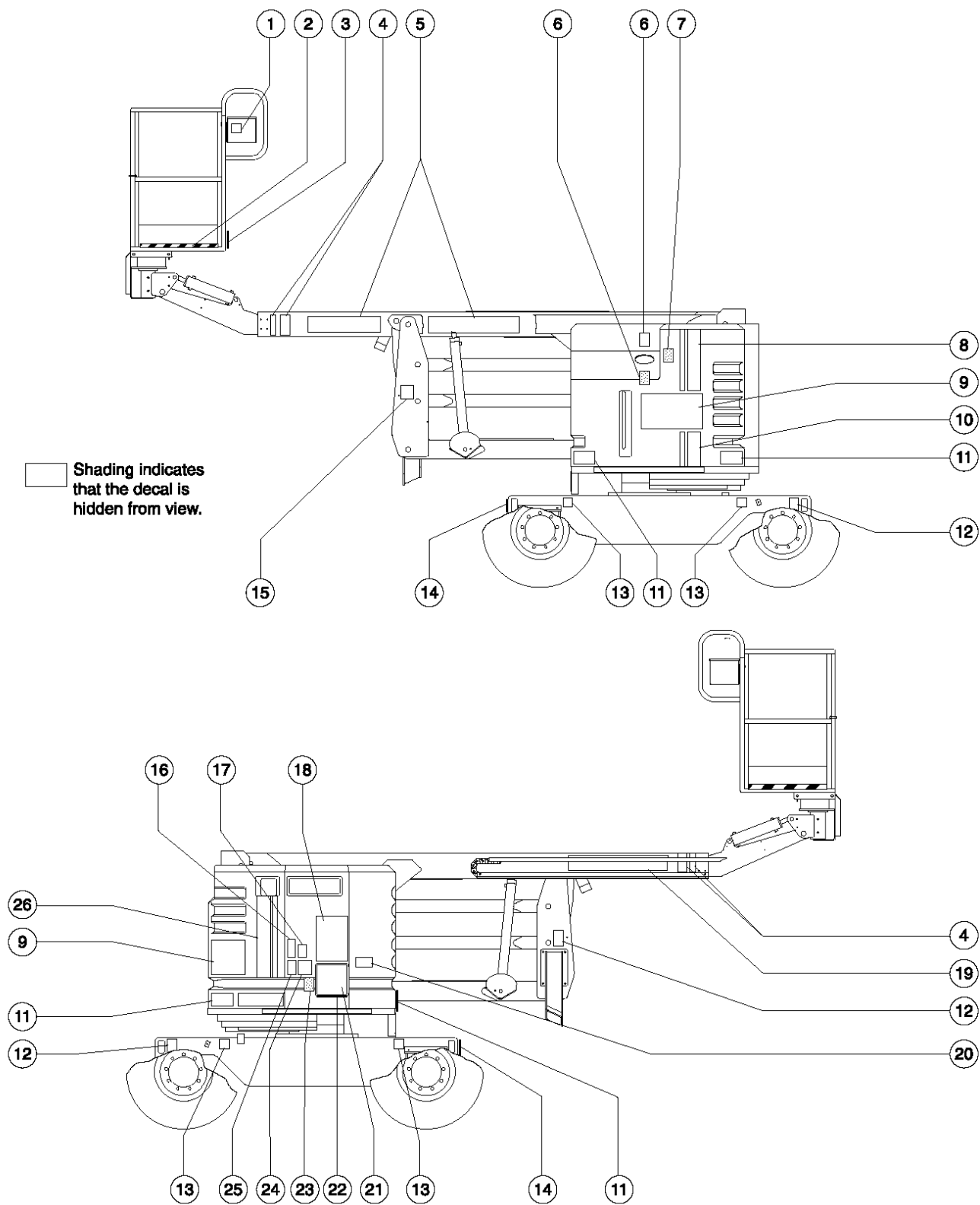
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☐ Ship complete order only - No back orders

☐ Ship all available parts and contact customer on disposition of back-ordered parts

☐ Other (please specify)

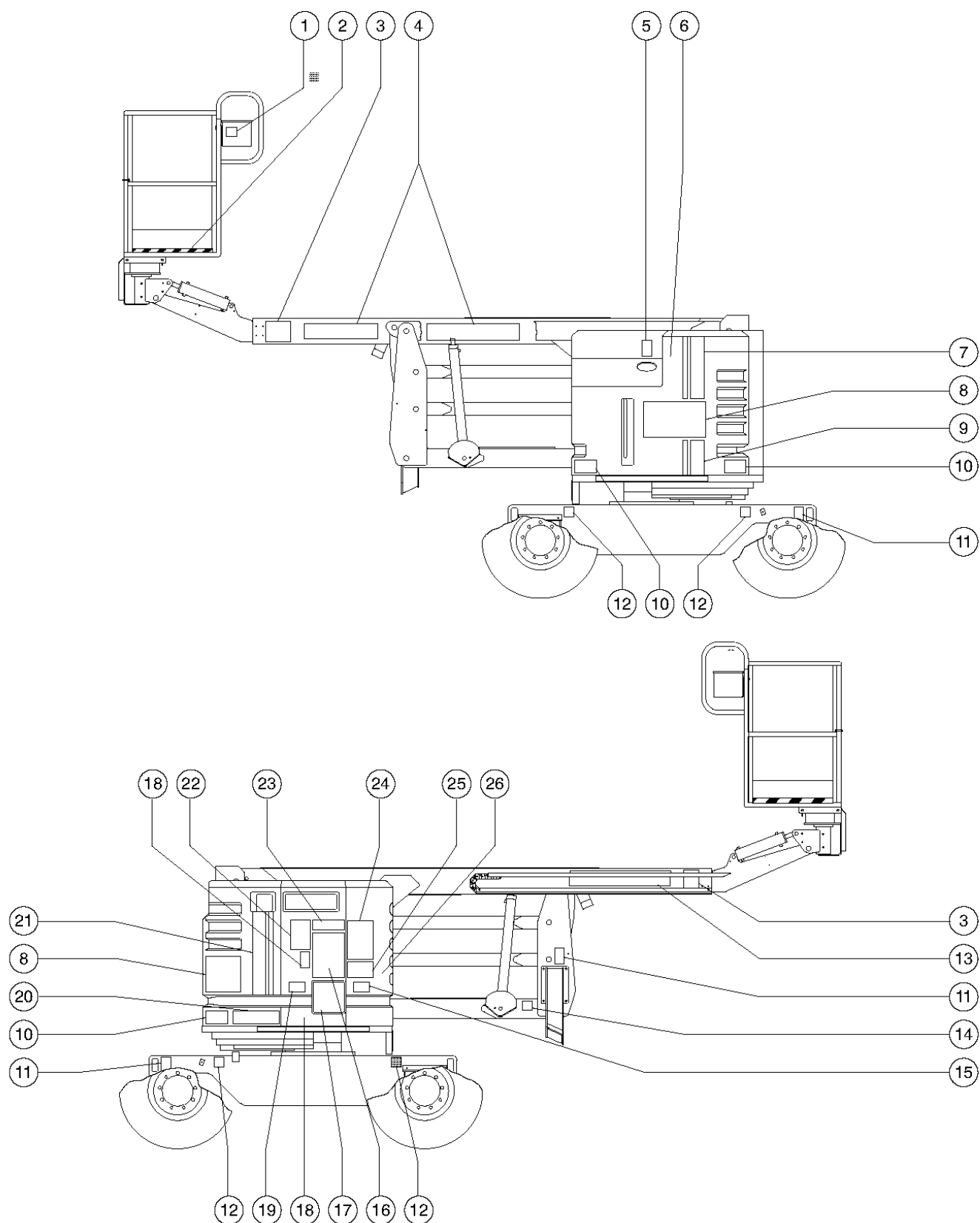
101.1 Decals and Paint - View 1 (from SN 5052)



101.1 Decals and Paint - View 1 (from SN 5052)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***		18	97890	DECAL,DANGER,GEN SAFETY RULES.....	1
--	1484	PAINT,AEROSOL,BRIGHT BLUE***		19	28043	DECAL,GENIE Z45/22,4 X 39.....	1
--	27243	DECAL KIT,COSMETIC,Z45,1991 <i>includes index numbers 4, 5, 8, 10, 14, 19 and 26</i>		20	43647	DECAL,NOTICE,OPER INST.IC***	1
--	32150	PAINT,WET,GENIE BLUE (1 GL)**		21	43659	DECAL,GROUND CONTROL PANEL.....	1
--	32151	PAINT,WET,GENIE GRAY (1 GL)**		22	43663	DECAL,NOTICE, FUNCTION ENABLE*.....	1
--	48360	DECAL KIT,INSTRUCT,Z454X4 DIE <i>index numbers 1 and 2 must be ordered separately</i>		23A	35440	DECAL,NOTICE, FORD ENG SPEC**.....	1
--	48361	DECAL KIT,INSTRUCT,Z454X4 GAS <i>index numbers 1 and 2 must be ordered separately</i>		23B	35020	DECAL,NOTICE,DEUTZ ENG SPEC**.....	1
1	28235	DECAL,POWER TO PLATFORM 115V.....	1	24	28175	DECAL,COMPARTMENT ACCESS.....	1
2	33550	TAPE,WARNING,BLK/YEL, 50'***.....	1	25	25994	DECAL,NOTICE,SHUTOFF VALVES.....	1
3	28177	DECAL,WARN,CRUSH HAZARD PLAT	2	26	28045	DECAL,STRIPE,6 X 25.5,BLUE.....	1
4	28044	DECAL,STRIPE,6 X 21.4,WHITE.....	2				
5	28042	DECAL,GENIE Z45/22,6 X 59.....	1				
6A	28158	DECAL,LABEL,UNLEADED GAS ONLY	2				
6B	28159	DECAL,DIESEL.....	2				
7	28157	DECAL,USE DEXRON***.....	1				
8	28046	DECAL,STRIPE,6 X 18,BLUE.....	1				
9A	27369	DECAL,GENIE 4WD, WHITE..... <i>4WD models</i>	2				
9B	27520	DECAL,GENIE BOOM, WHITE..... <i>2WD models</i>	2				
10	28047	DECAL,STRIPE,6 X 13,BLUE.....	1				
11	27564	DECAL,DANGER,ELEC.HAZ.STAY CLR.....	4				
12	28161	DECAL,WARN,CRUSH HAZARD HAND.....	3				
13	29935	DECAL,NOTICE,TIRE PRESS&TORQUE.....	4				
14	21383	DECAL,GENIE BOOM,24.5",WHITE.....	2				
15	31060	DECAL,DANGER DO NOT ALTER SWTC.....	1				
16	28164	DECAL,NOTICE,HAZARDOUS MAT'LS*.....	1				
17	28171	DECAL,DANGER,NO SMOKING***.....	1				

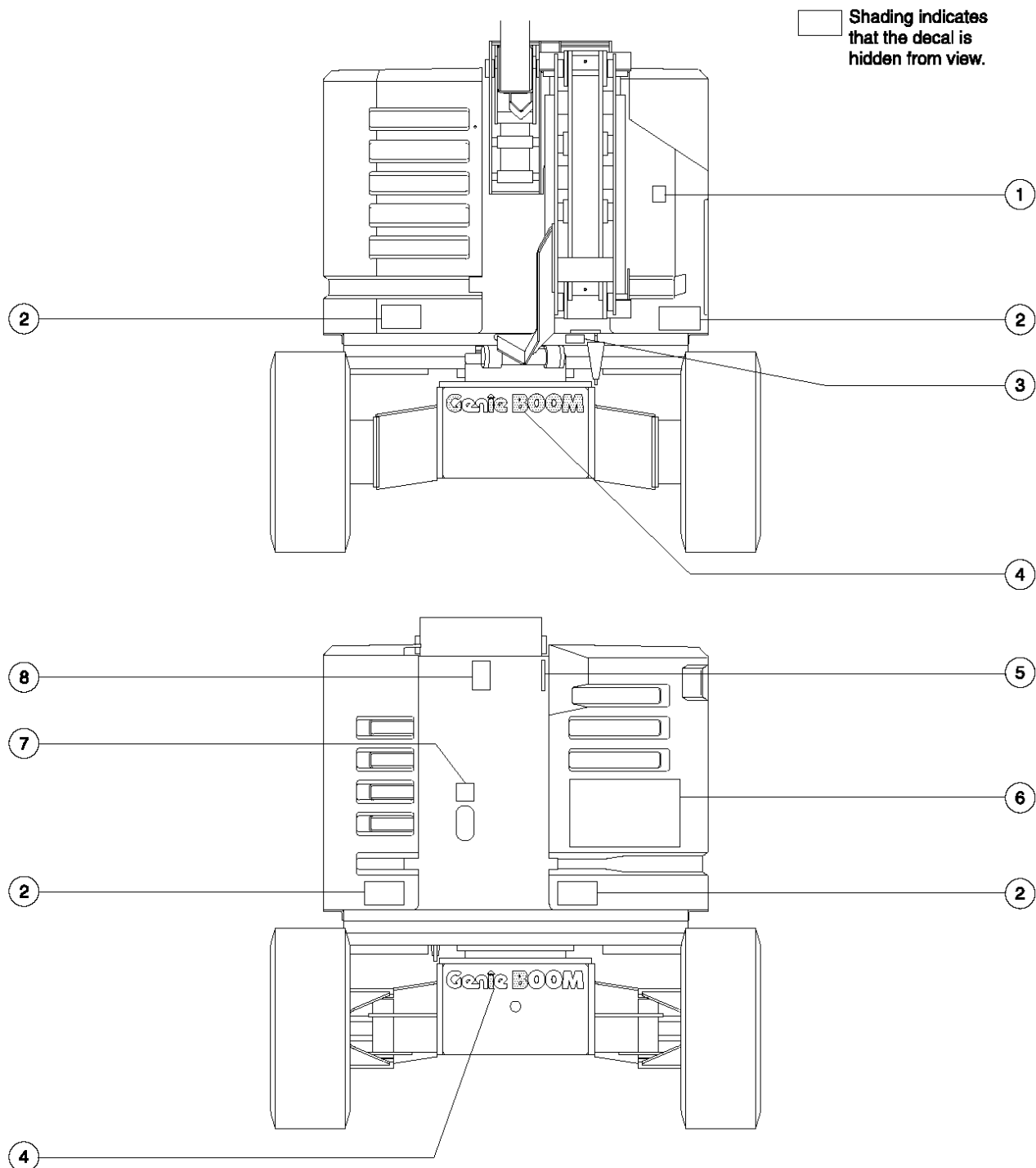
101.2 Decals and Paint - Profile View (to SN 5051)



101.2 Decals and Paint - Profile View (to SN 5051)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***		18	25994	DECAL,NOTICE,SHUTOFF VALVES.....	2
--	1484	PAINT,AEROSOL,BRIGHT BLUE***		19	25983	DECAL,DANGER FALL HAZ.....	1
--	27243	DECAL KIT,COSMETIC,Z45,1991		20	30080	DECAL,NOTICE,MAX LOAD 500 LBS.....	1
--	27244	DECAL KIT,INSTRUCTIONAL,Z45 <i>does not include index numbers 2 and 5, which are ordered separately, for units built to 4/95</i>		21	28045	DECAL,STRIPE,6 X 25.5,BLUE.....	1
--	32150	PAINT,WET,GENIE BLUE (1 GL)**		22	25989	DECAL,WALK AROUND FUNCTN.TEST.....	1
--	32151	PAINT,WET,GENIE GRAY (1 GL)**		23	25066	DECAL,IMPROPER USE HAZARD.....	1
--	35031	DECAL KIT,INSTRUCT,Z45,5/94 <i>for units built from 4/95</i>		24	25979	DECAL,SAFETY RULES.....	1
1A	28235	DECAL,POWER TO PLATFORM 115V.....	1	25	25981	DECAL,ELECTROCUTION HAZARD.....	1
1B	28174	DECAL,POWER TO PLATFORM 230V.....	1	26	25990	DECAL,DANGER MOVING PARTS.....	1
2	33550	TAPE,WARNING,BLK/YEL, 50'***.....	125 inches				
3	28044	DECAL,STRIPE,6 X 21.4,WHITE.....	2				
4	28042	DECAL,GENIE Z45/22,6 X 59.....	1				
5A	28158	DECAL,LABEL,UNLEADED GAS ONLY.....	2				
5B	28159	DECAL,DIESEL.....	2				
6	28157	DECAL,USE DEXRON***.....	1				
7	28046	DECAL,STRIPE,6 X 18,BLUE.....	1				
8A	27369	DECAL,GENIE 4WD, WHITE.....	2				
		<i>4WD Models</i>					
8B	27520	DECAL,GENIE BOOM, WHITE.....	2				
		<i>2WD Models</i>					
9	28047	DECAL,STRIPE,6 X 13,BLUE.....	1				
10	25980	DECAL,ELECTROCUTION HAZARD.....	3				
11	28161	DECAL,WARN,CRUSH HAZARD HAND.....	3				
12	29935	DECAL,NOTICE,TIRE PRESS&TORQUE.....	4				
13	28043	DECAL,GENIE Z45/22,4 X 39.....	1				
14	28179	DECAL,WARN,DON'T ALTER LIMIT.....	1				
15	27003	DECAL,PERFORM INSPECTIONS.....	1				
16	25975	DECAL,OPER. INSTR.....	1				
17	30084	DECAL,GROUND CONTROL PANEL.....	1				

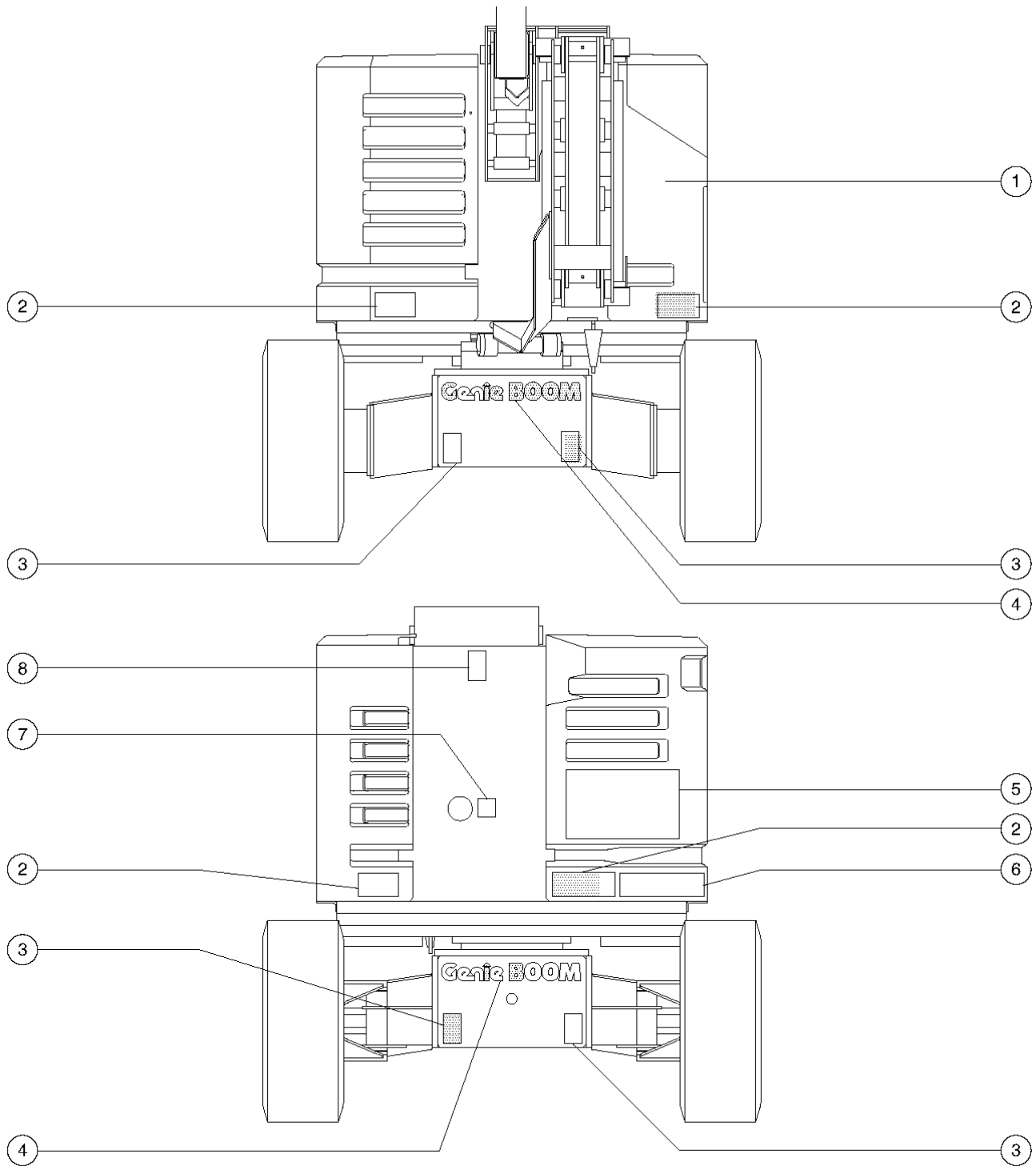
102.1 Decals and Paint - View 2 (from SN 5052)



102.1 Decals and Paint - View 2 (from SN 5052)

Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***	
--	1484	PAINT,AEROSOL,BRIGHT BLUE***	
--	32150	PAINT,WET,GENIE BLUE (1 GL)**	
--	32151	PAINT,WET,GENIE GRAY (1 GL)**	
1	28160	DECAL,LABEL,LIQUID PROPANE.....1 <i>Gasoline/LPG models</i>	
2	27564	DECAL,DANGER,ELEC.HAZ.STAY CLR.....4	
3	44981	DECAL,LABEL,AIRLINE 110 PSI.....1	
4	21383	DECAL,GENIE BOOM,24.5",WHITE.....2	
5	31060	DECAL,DANGER DO NOT ALTER SWTC.....1	
6A	27369	DECAL,GENIE 4WD, WHITE.....1 <i>4WD models</i>	
6B	27520	DECAL,GENIE BOOM, WHITE.....1 <i>2WD models</i>	
7A	28235	DECAL,POWER TO PLATFORM 115V.....1	
7B	28174	DECAL,POWER TO PLATFORM 230V.....1	
8	28161	DECAL,WARN,CRUSH HAZARD HAND.....1	

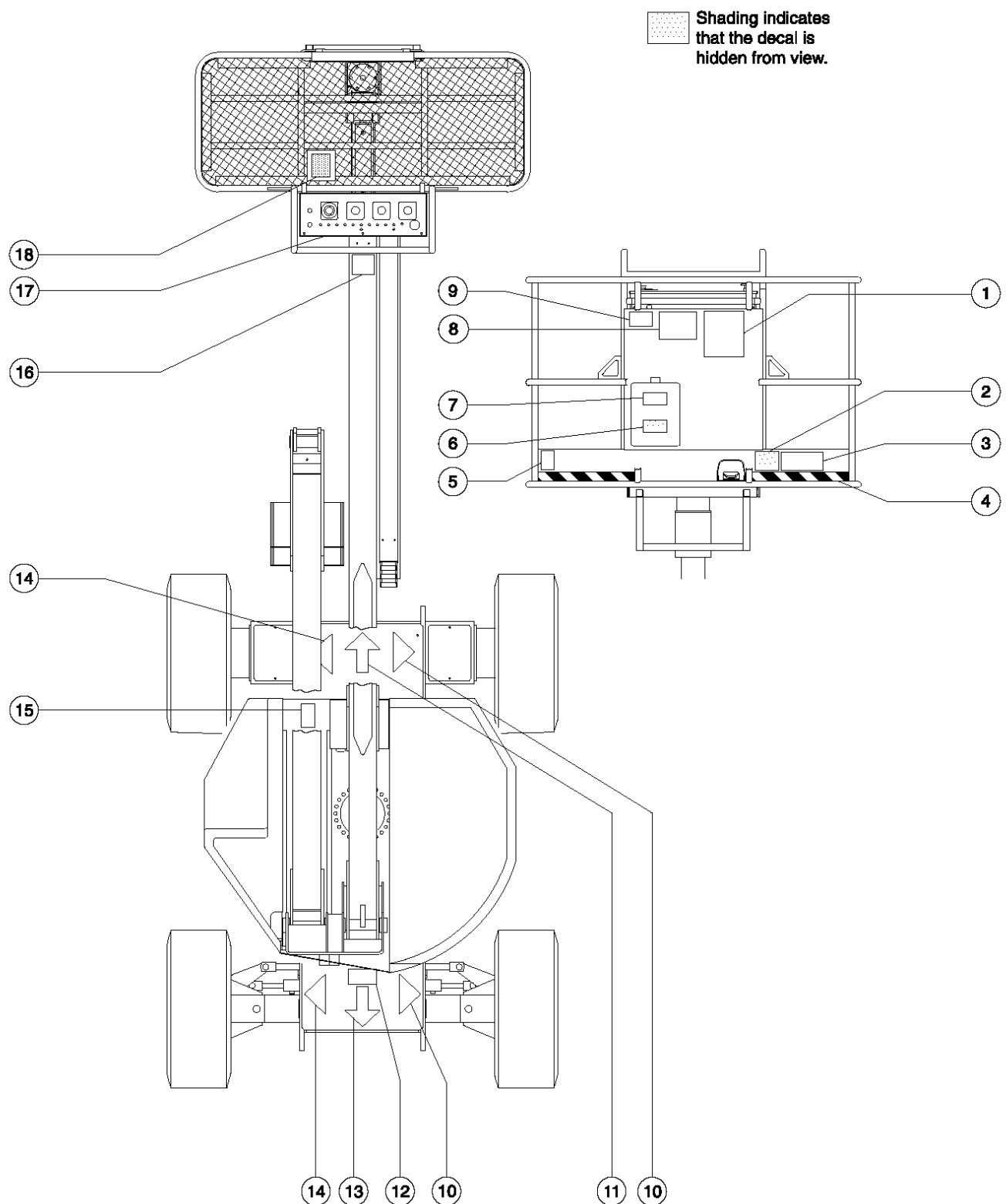
102.2 Decals and Paint - End View (to SN 5051)



102.2 Decals and Paint - End View (to SN 5051)

Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***	
--	1484	PAINT,AEROSOL,BRIGHT BLUE***	
--	27243	DECAL KIT,COSMETIC,Z45,1991	
--	27244	DECAL KIT,INSTRUCTIONAL,Z45 <i>does not include index number 1, which is ordered separately, for units built to 4/95</i>	
--	32150	PAINT,WET,GENIE BLUE (1 GL)**	
--	32151	PAINT,WET,GENIE GRAY (1 GL)**	
--	35031	DECAL KIT,INSTRUCT,Z45,5/94 <i>for units built from 4/95</i>	
1	28160	DECAL,LABEL,LIQUID PROPANE.....1 <i>Gasoline/LPG models</i>	
2	25980	DECAL,ELECTROCUTION HAZARD.....4	
3	27001	DECAL,TRANSPORT TIE DOWN....4	
4	21383	DECAL,GENIE BOOM,24.5",WHITE.....2	
5A	27369	DECAL,GENIE 4WD, WHITE.....1 <i>4WD Models</i>	
5B	27520	DECAL,GENIE BOOM, WHITE.....1 <i>2WD Models</i>	
6	30080	DECAL,NOTICE,MAX LOAD 500 LBS.....1	
7A	28235	DECAL,POWER TO PLATFORM 115V.....1	
7B	28174	DECAL,POWER TO PLATFORM 230V.....1	
8	28161	DECAL,WARN,CRUSH HAZARD HAND.....1	

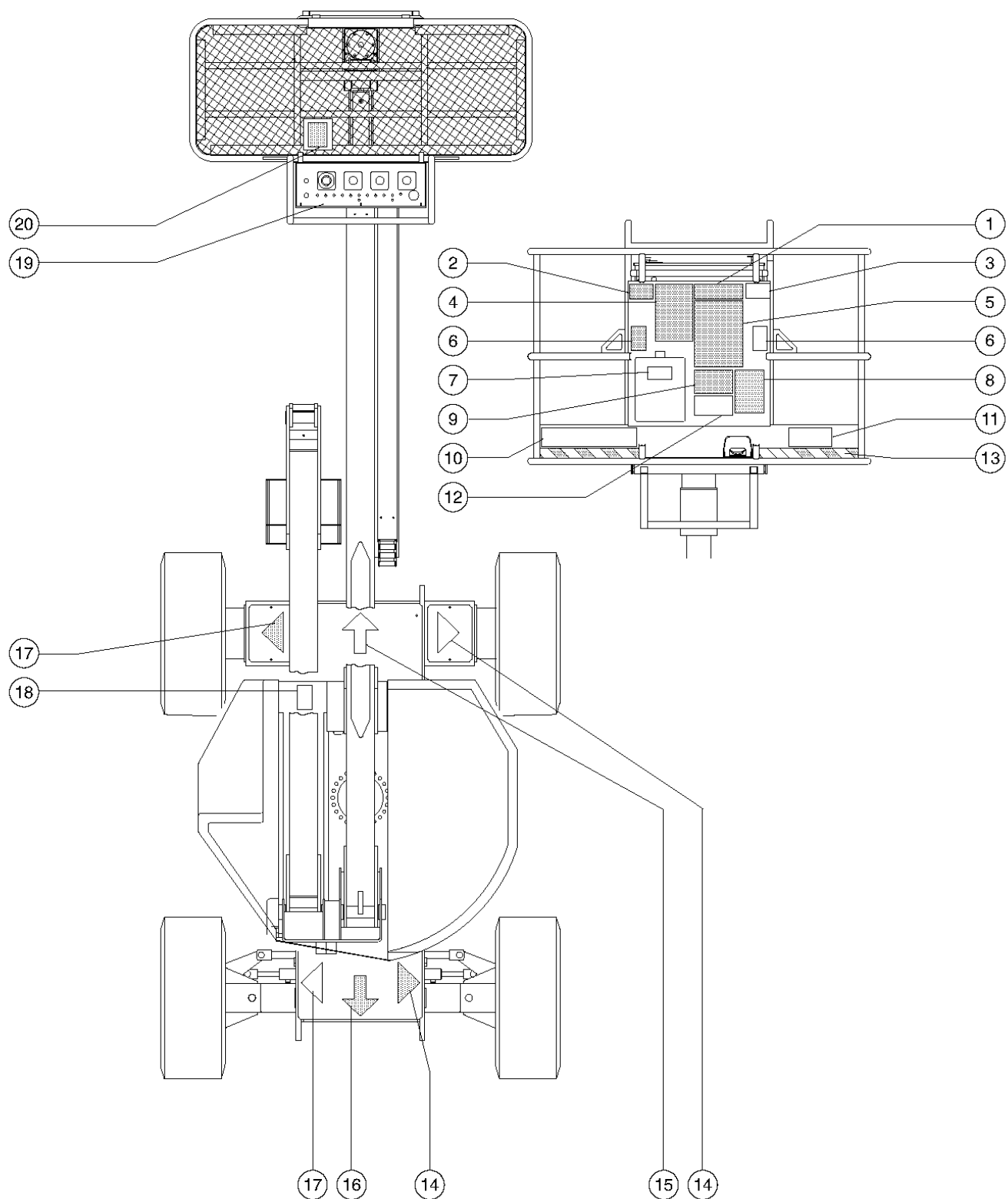
103.1 Decals and Paint - View 3 (from SN 5052)



103.1 Decals and Paint - View 3 (from SN 5052)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***		17C	33949	DECAL,PROTECTOR PLAT,S80/60***.....	1
--	1484	PAINT,AEROSOL,BRIGHT BLUE***		17D	32726	DECAL,OPTION GLOW PLUGS***.....	1
--	32150	PAINT,WET,GENIE BLUE (1 GL)**				(patch)	
--	32151	PAINT,WET,GENIE GRAY (1 GL)**		17E	32728	DECAL,OPTION GENERATOR***...	1
--	48360	DECAL KIT,INSTRUCT,Z454X4 DIE <i>index numbers 2, 3 and 4 must be ordered separately</i>				(patch)	
--	48361	DECAL KIT,INSTRUCT,Z454X4 GAS <i>index numbers 2, 3 and 4 must be ordered separately</i>		17F	72867	DECAL,LABEL,LIGHTS***.....	1
1	97890	DECAL,DANGER,GEN SAFETY RULES.....	1			(patch)	
2	44981	DECAL,LABEL,AIRLINE 110 PSI.....	1	17G	44769	DECAL,LABEL,LFT/DRV SELECT.....	1
3A	97887	DECAL,INSTR,MAX SIDE FRC,ANSI.....	1			(patch)	
		<i>ANSI and CSA Models</i>		18	28165	DECAL,INSTRUCT,FOOTSWITCH OPER.....	1
3B	44986	DECAL,INSTR,SIDE FRC/WIND,AUS.....	1				
		<i>CE Models</i>					
4	33550	TAPE,WARNING,BLK/YEL, 50'***.....	1				
5	30080	DECAL,NOTICE,MAX LOAD 500 LBS.....	1				
6	28176	DECAL,LABEL,MANUAL NOT HERE.....	1				
7	28236	DECAL,WARN,IMPROPER OPERATION.....	1				
8	43647	DECAL,NOTICE,OPER INST.IC***.....	1				
9	33952	DECAL,DANGER,TILT ALARM***.....	1				
10	27206	DECAL,TRIANGLE,BLUE.....	2				
11	27205	DECAL,ARROW YELLOW LRG 9".....	1				
12	31060	DECAL,DANGER DO NOT ALTER SWTC.....	1				
13	27204	DECAL,ARROW BLUE.....	1				
14	27207	DECAL,TRIANGLE,YELLOW.....	2				
15	28161	DECAL,WARN,CRUSH HAZARD HAND.....	1				
16	28181	DECAL,WARN,FALL HAZARD.....	1				
17A	32922	DECAL,PLATFORM CTRL PANEL ***.....	1				
		<i>to SN 7965</i>					
17B	52230	DECAL,PLATFORM CTRL PANEL ***.....	1				
		<i>from SN 7966</i>					

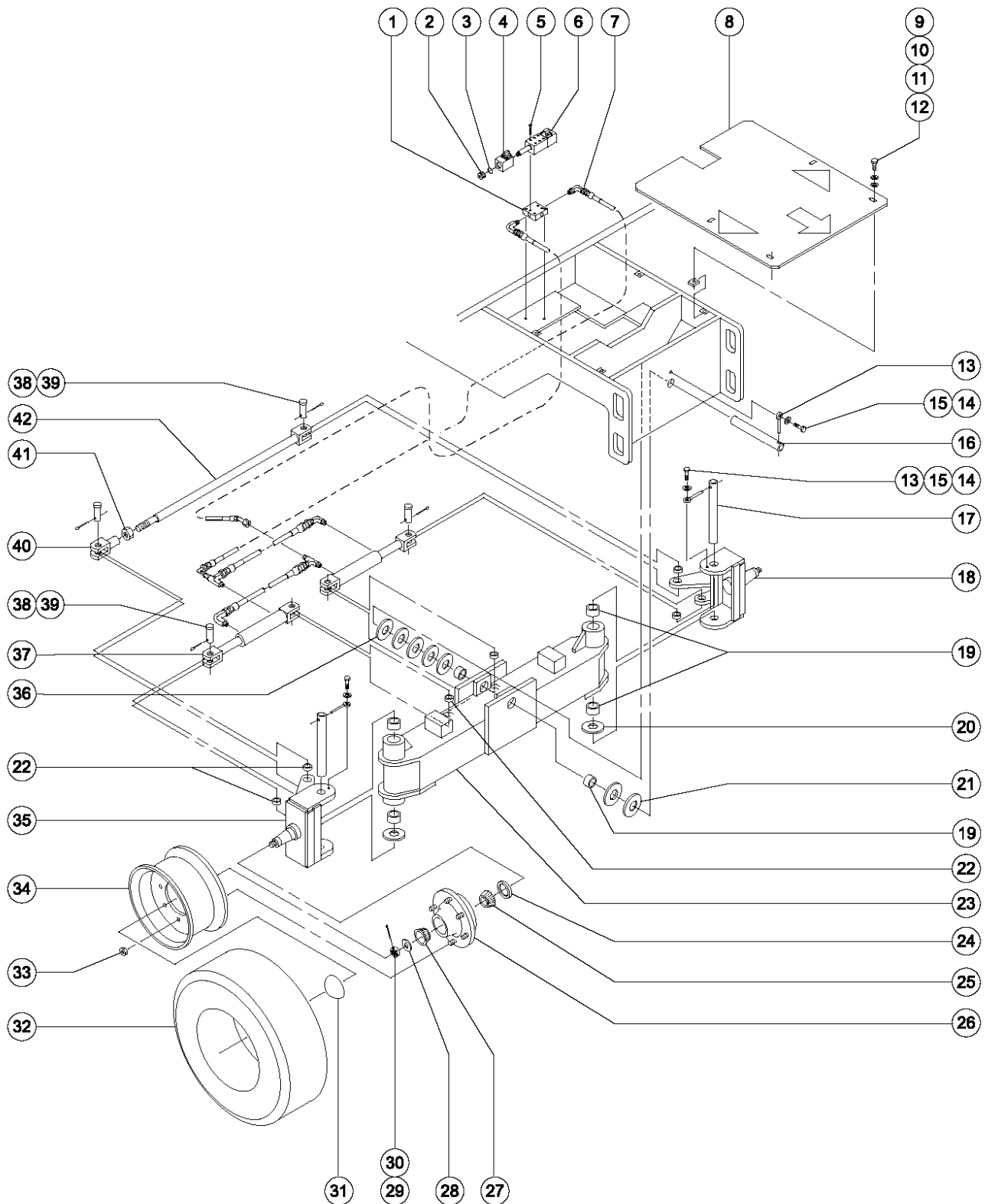
103.2 Decals and Paint - Overhead View and Platform (to SN 5051)



103.2 Decals and Paint - Overhead View and Platform (to SN 5051)

Item	Part No.	Description	Qty.
--	1268	PAINT,AEROSOL,GENIE GRAY***	
--	1484	PAINT,AEROSOL,BRIGHT BLUE***	
--	27243	DECAL KIT,COSMETIC,Z45,1991	
--	27244	DECAL KIT,INSTRUCTIONAL,Z45 for units built to 4/95	
--	32150	PAINT,WET,GENIE BLUE (1 GL)**	
--	32151	PAINT,WET,GENIE GRAY (1 GL)**	
--	35031	DECAL KIT,INSTRUCT,Z45,5/94 for units built from 4/95	
1	25066	DECAL,IMPROPER USE HAZARD.....	1
2	27044	DECAL,TIP OVER MAX LOAD.....	1
3	25983	DECAL,DANGER FALL HAZ.....	1
4	25979	DECAL,SAFETY RULES.....	1
5	25975	DECAL,OPER. INSTR.....	1
6	25988	DECAL,LANYARD ANCHOR.....	2
7	28236	DECAL,WARN,IMPROPER OPERATION.....	1
8	25989	DECAL,WALK AROUND FUNCTN.TEST.....	1
9	25981	DECAL,ELECTROCUTION HAZARD.....	1
10	30080	DECAL,NOTICE,MAX LOAD 500 LBS.....	1
11	97887	DECAL,INSTR,MAX SIDE FRC,ANSI.....	1
12	25982	DECAL,PLAT.FALL HAZARD.....	1
13	33550	TAPE,WARNING,BLK/YEL, 50'***.....	125-inches
14	27206	DECAL,TRIANGLE,BLUE.....	2
15	27205	DECAL,ARROW YELLOW LRG 9".....	1
16	27204	DECAL,ARROW BLUE.....	1
17	27207	DECAL,TRIANGLE,YELLOW.....	2
18	28161	DECAL,WARN,CRUSH HAZARD HAND.....	1
19	32922	DECAL,PLATFORM CTRL PANEL ***.....	1
20	28165	DECAL,INSTRUCT,FOOTSWITCH OPER.....	1

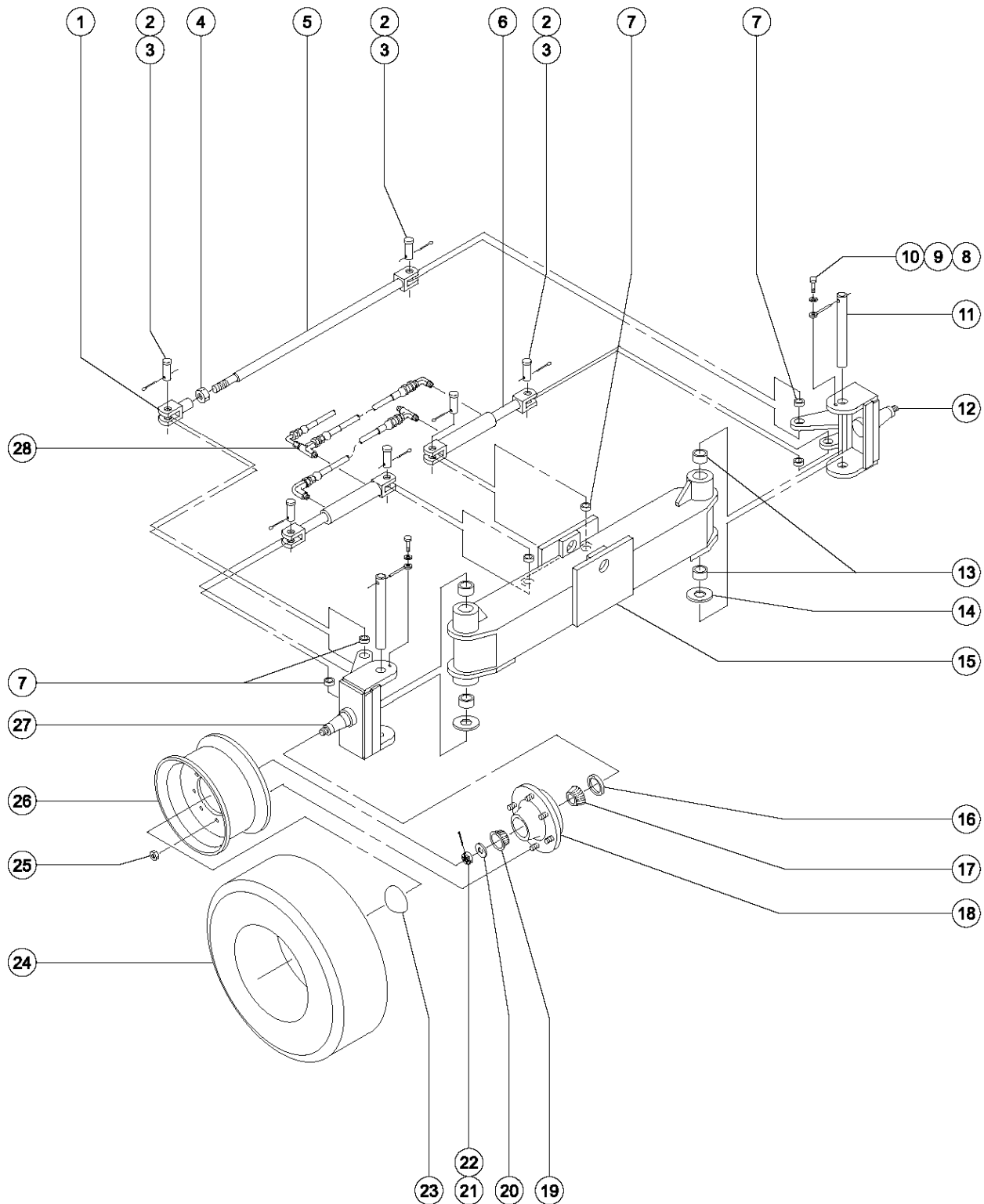
201.1 2WD Steer Axle Linkage - Non-oscillating Models



201.1 2WD Steer Axle Linkage - Non-oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	24675	SUB PLATE (SPOOL VALVE).....	1	28	45112	WASHER,SPINDLE.....	2
2	48649	NUT-D03 COIL.....	2	29	45113	NUT,SPINDLE,1-14.....	2
3	48648	O-RING, D03 COIL.....	2	30	45114	PIN,COTTER,,219 X 1.75.....	2
4	223763	COIL WITH DE CONNECTOR.....	2	31	45111	CAP,DUST,45873 HUB KIT.....	2
5	43255	SCREW,SHC,10-24 X 2.....	4	32	45093	ASSY,TIRE & WH.STEER,AF.....	2
6	146160	VALVE KIT,D03.....	1			<i>Industrial, Air-filled</i>	
		<i>includes index numbers 2, 3 and 4</i>		--	54010	TUBELESS PNEUMATIC	
7		Ref. Hydraulic Hoses and Fittings.....	1			TIRE,9-14LT	
		<i>refer to section 207.1</i>				<i>for 45093</i>	
8	27661	COVER W/DECAL,FRONT.....	1	32A	45460	ASSY,TIRE&WHEEL,Z45,FF,IND....	2
9	6090	SCREW,HHC,1/4-20 X .75.....	4			<i>Industrial, Foam-filled</i>	
10	6356	WASHER,LOCK,,25.....	4	32B	40136	WHEEL ASSY, INDUSTRIAL, AF	
11	6638	WASHER,FLAT,USS,1/4"Y.....	4			NM.....	2
12	56912	SPRING CLIP,1/4-20,.025-.15X.5....	4			<i>Industrial, Non-marking, Air-filled</i>	
13	45226	ROD END,,375 X 3.69.....	3	--	54234	TUBELESS TIRE,9-14.5,NON-M 47#	
14	6175	SCREW,HHC,3/8-16 X 1.....	3			<i>for 40136</i>	
15	6021	WASHER,LOCK,,375.....	3	32C	40838	WHEEL ASSY, INDUSTRIAL, FF	
16	29057	PIN,AXLE PIVOT,10.75 X 1.5".....	1			NM.....	2
17	25058	PIN,KING,14.5 X 1.5 INCH.....	2			<i>Industrial, Non-marking, Foam-filled</i>	
18	27684	YOKE ASSY,L.H.,2WD		33	54627	NUT,LUG,5/8-18 X 90	
		W/BUSHINGS.....	1			DEGREE,Z45.....	16
		<i>includes 2 each index number 22</i>		34A	45040	RIM,Z45,14.5 X 7(8 HOLE ON	
19	45071	BEARING,1.5IDX1.75ODX1.5L.....	6			8BC.....	2
20	45074	WASHER,THRUST,1.5 X 3.5 X		34B	27318	WHEEL,17.5X10.5,8	
		.187.....	2			HOLES/8BC%%.....	2
21	36603	WASHER,FLAT,1.56 X 3.5 X .061....	2	35	27685	YOKE ASSY,RT.HAND	
22	25817	BEARING,1.00IDX1.25ODX1.00L....	6			W/BUSHINGS.....	1
23	27686	AXLE ASSY, RIGID FRONT				<i>includes 2 each index number 22</i>	
		(2WD).....	1	36	18596	WASHER,FLAT,1.56 X 2.5 X .061....	5
		<i>includes 2 each index number 22 and</i>		37	24390	CYLINDER,STEER,2 X 6.....	2
		<i>6 each index number 19</i>		--	45548	SEAL KIT (CYL PN 13078) BL.....	2
24	45110	SEAL-GREASE,MODEL 60-8.....	2	38	19440	PIN,CLEVIS,1 X 2.5 LG.....	6
24	45873	SEAL/BEARING KIT		39	5361	PIN,COTTER,,125 X 1.5.....	6
		(45043,54840).....	2	40	23154-S	WELDMENT,ROD END.....	1
		<i>includes index numbers 24, 25, 27</i>		41	28352	NUT,HEX,JAM,1-8.....	1
		<i>through 31 and races</i>		42	24544	TIE ROD WELDMENT Z/45.....	1
25	45107	INNER CONE - MODEL 60-8.....	2				
26	45043	HUB ASSEMBLY MODEL#60-8.....	2				
		<i>includes index numbers 24, 25, 27 and</i>					
		<i>31 and races</i>					
--	21166	LUG BOLT,5/8-18,WHEEL					
		HUB***.....	6				
27	45108	OUTER CONE - MODEL 60-8.....	2				

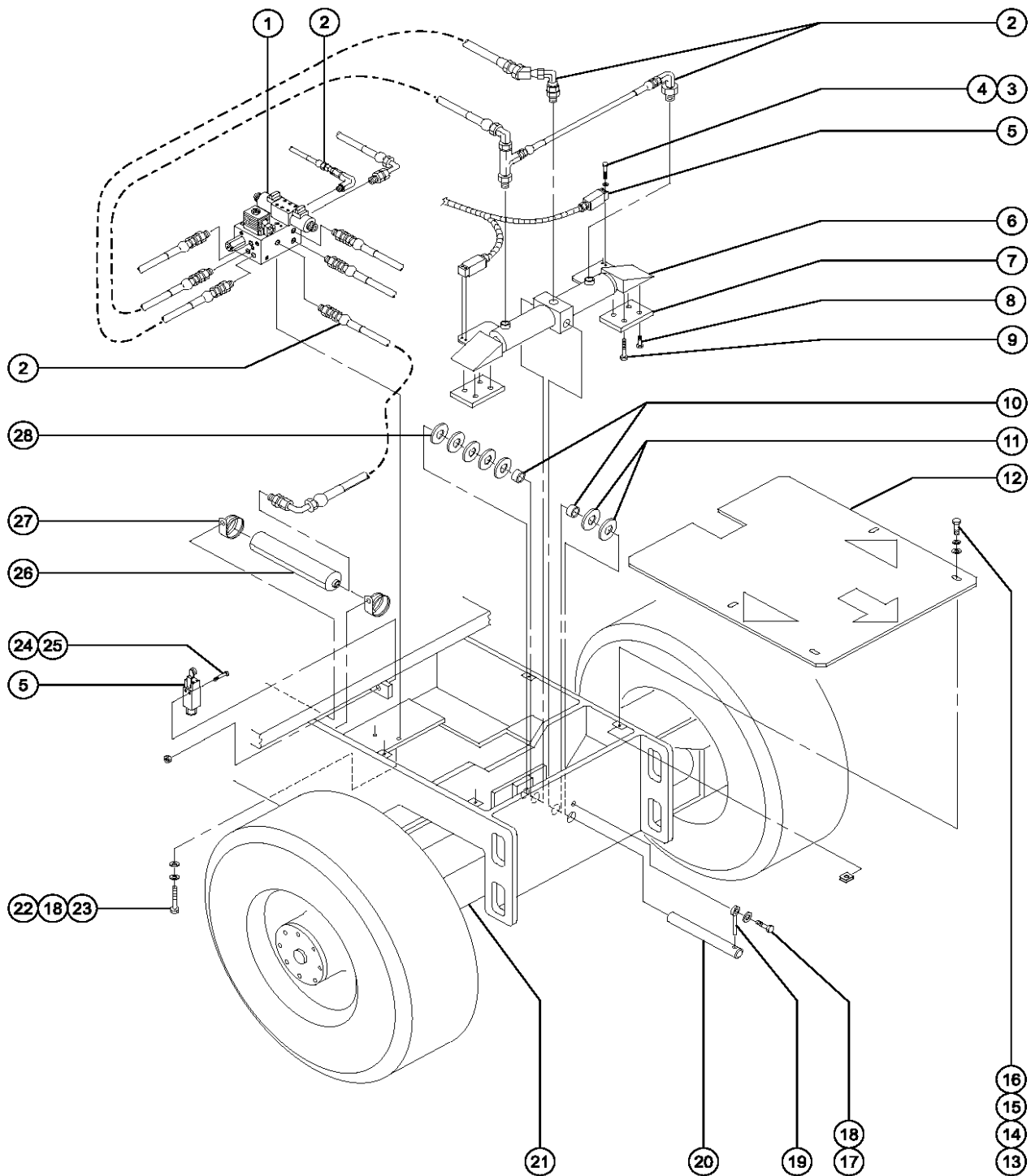
202.1 2WD Steer Axle Linkage - Oscillating Models



202.1 2WD Steer Axle Linkage - Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	23154-S	WELDMNT,ROD END.....	1	24A	40136	WHEEL ASSY, INDUSTRIAL, AF NM.....	2
2	19440	PIN,CLEVIS,1 X 2.5 LG.....	6			<i>Industrial, Air-filled, Non-marking</i>	
3	5361	PIN,COTTER,,125 X 1.5.....	6	--	54234	TUBELESS TIRE,9-14.5,NON-M 47# for 40136	
4	28352	NUT,HEX,JAM,1-8.....	1	24B	45460	ASSY,TIRE&WHEEL,Z45,FF,IND....	2
5	24544	TIE ROD WELDMNT Z/45.....	1			<i>Industrial, Foam-filled</i>	
6	24390	CYLINDER,STEER,2 X 6.....	2	24C	40838	WHEEL ASSY, INDUSTRIAL, FF NM.....	2
--	45548	SEAL KIT (CYL PN 13078) BL.....	2			<i>Industrial, Foam-filled, Non-marking</i>	
7	25817	BEARING,1.00IDX1.25ODX1.00L....	6	25	54627	NUT,LUG,5/8-18 X 90 DEGREE,Z45.....	16
8	6175	SCREW,HHC,3/8-16 X 1.....	2	26	27318	WHEEL,17.5X10.5,8 HOLES/8BC%%%	2
9	6021	WASHER,LOCK,,375.....	2	26	45040	RIM,Z45,14.5 X 7(8 HOLE ON 8BC.....	2
10	45226	ROD END,,375 X 3.69.....	2	27	27685	YOKE ASSY,RT.HAND W/BUSHINGS.....	1
11	25058	PIN,KING,14.5 X 1.5 INCH.....	2			<i>includes 2 each index number 7</i>	
12	27684	YOKE ASSY,L.H.,2WD W/BUSHINGS.....	1	28		Ref. Hydraulic Hoses and Fittings....	1
		<i>includes 2 each index number 13</i>				<i>refer to section 208.1</i>	
13	45071	BEARING,1.5IDX1.75ODX1.5L.....	4				
14	45074	WASHER,THRUST,1.5 X 3.5 X .187.....	2				
15	27666	OSCILLATING FRONT AXLE ASSY.....	1				
		<i>includes index number 13 and 2 each index number 7</i>					
16	45110	SEAL-GREASE,MODEL 60-8.....	2				
16	45873	SEAL/BEARING KIT (45043,54840).....	2				
		<i>includes index numbers 16, 17, 19 through 23 and races</i>					
17	45107	INNER CONE - MODEL 60-8.....	2				
18	45043	HUB ASSEMBLY MODEL#60-8.....	2				
		<i>includes index numbers 16, 17, 19 and 23 and races</i>					
--	21166	LUG BOLT,5/8-18,WHEEL HUB***.....	6				
19	45108	OUTER CONE - MODEL 60-8.....	2				
20	45112	WASHER,SPINDLE.....	2				
21	45113	NUT,SPINDLE,1-14.....	2				
22	45114	PIN,COTTER,,219 X 1.75.....	2				
23	45111	CAP,DUST,45873 HUB KIT.....	2				
24	45093	ASSY,TIRE & WH.STEER,AF.....	2				
		<i>Industrial, Air-filled</i>					
--	54010	TUBELESS PNEUMATIC TIRE,9-14LT for 45093					

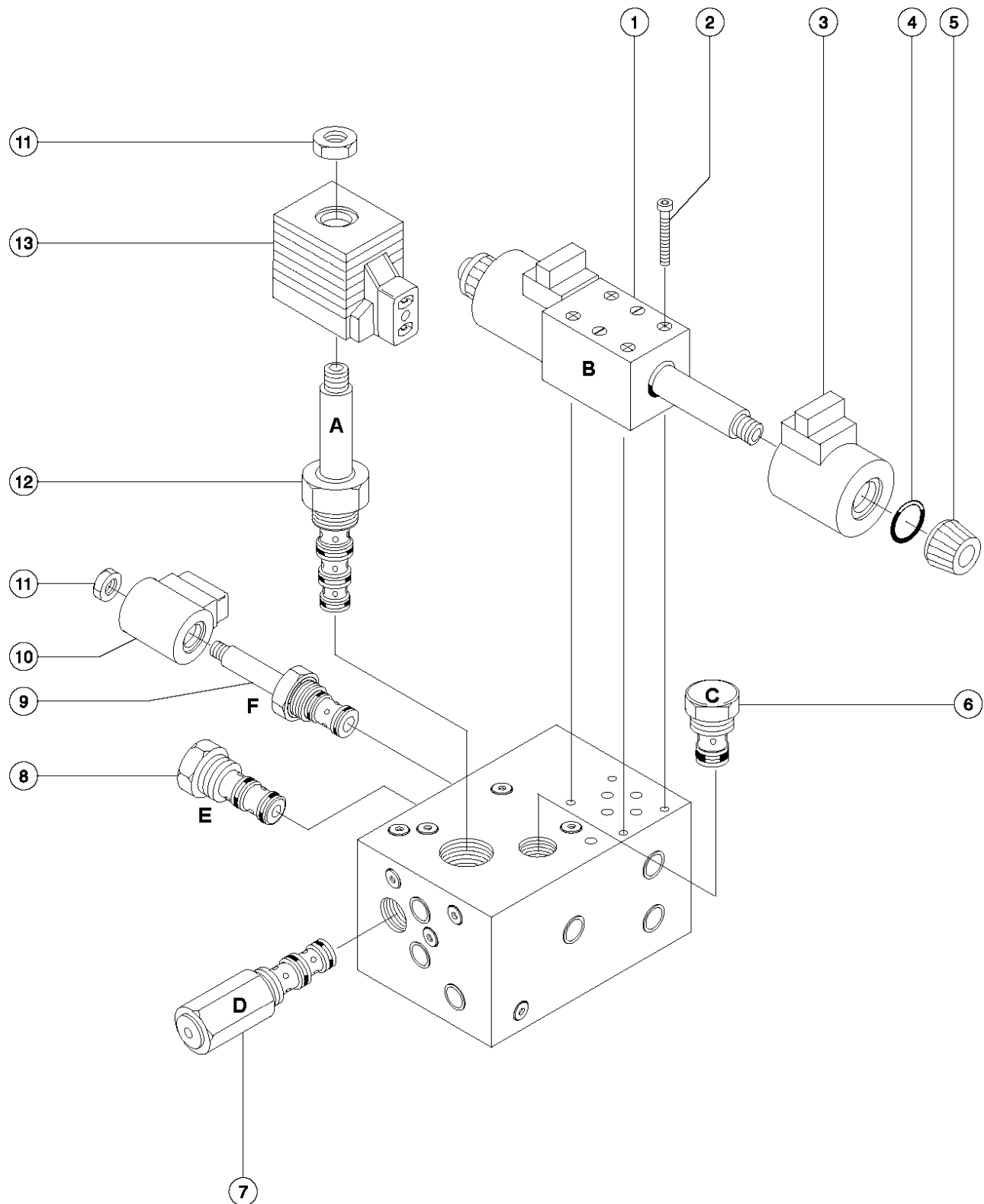
203.1 2WD Oscillating System



203.1 2WD Oscillating System

Item	Part No.	Description	Qty.
1	24503	MANIFOLD,STEER/OSCILLATION..1	
2		Ref. Hydraulic Hoses and Fittings.....1 <i>refer to section 208.1</i>	
3	49821	SCREW,PHILLIPS,PHM,8-32 X 1.25.....4	
4	35461	WASHER,FLAT,MS,#8,Y.....2	
5	88356-11103	SWITCH,LIMIT,W/RLR ARM,NO/NC.....3	
--	19491	CONTACTOR,LIMIT SWITCH	
--	97128	ROLLER ARM,LIMIT SWITCH***	
6	24484	CYLINDER,OSCIL.,2.5X3,DBL.ACT..1	
--	18471	SEAL KIT (CYL.PN# 45033,45034).....1	
7	24705	WEAR PAD,OSCILLATING AXLE, Z45.....2	
8	48448	SCREW,FHS,3/8-24 X .50.....4	
9	17830	SCREW,FHS,3/8-24 X .75.....4	
10	45071	BEARING,1.5IDX1.75ODX1.5L.....2	
11	36603	WASHER,FLAT,1.56 X 3.5 X .061....2	
12	27661	COVER W/DECAL,FRONT.....1	
13	6090	SCREW,HHC,1/4-20 X .75.....4	
14	6356	WASHER,LOCK,.25.....4	
15	6638	WASHER,FLAT,USS,1/4"Y.....4	
16	56912	SPRING CLIP,1/4-20,.025-.15X.5....4	
17	6175	SCREW,HHC,3/8-16 X 1.....1	
18	6021	WASHER,LOCK,.375.....3	
19	45226	ROD END,.375 X 3.69.....1	
20	29057	PIN,AXLE PIVOT,10.75 X 1.5".....1	
21		Ref. Steer Linkage - Oscillating Axle Installation.....1 <i>refer to section 202.1</i>	
22	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....2	
23	5397	WASHER,FLAT,USS,5/16",Y.....2	
24	22541	SCREW,RHM,10-32 X 1.5.....2	
25	6178	NUT,NYLOCK,10-32.....2	
26	27374	ACCUMULATOR,1800PSI PRECHARGE*.....1	
27	27497	CLAMP,RUBBER CUSHIONED-2 5/32.....2	
28	18596	WASHER,FLAT,1.56 X 2.5 X .061....5	

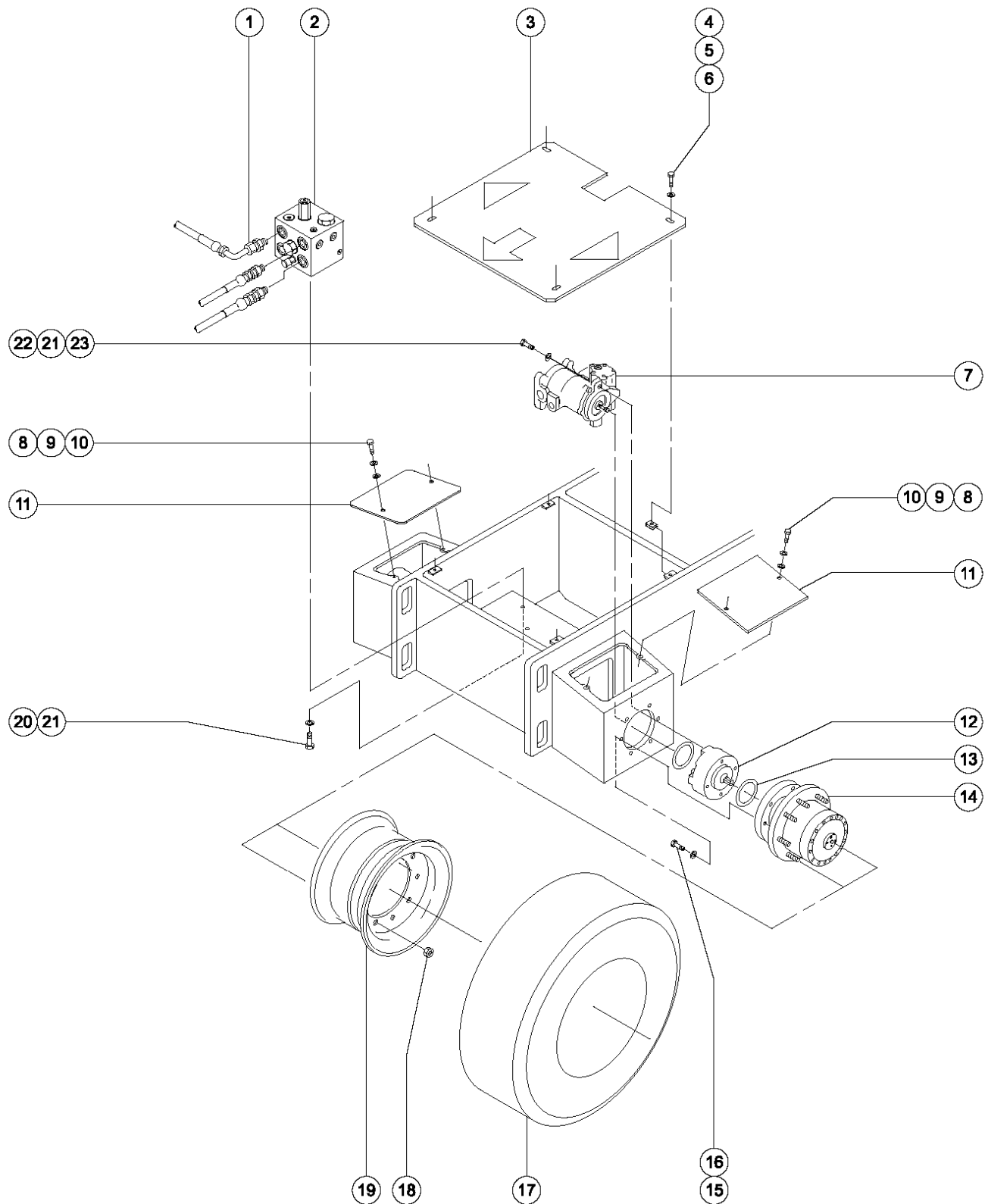
204.1 2WD Steer/Oscillating Manifold



204.1 2WD Steer/Oscillating Manifold

Item	Part No.	Description	Qty.
A		Solenoid Valve <i>Oscillate Cyl. Extend/Retract</i>	
B		DO3 Valve <i>Steer Left/Right</i>	
C		Check Valve <i>Oscillate Circuit</i>	
D		Unloader Valve <i>Oscillate Relief</i>	
E		Differential Sensing Valve <i>Oscillate Circuit</i>	
F		Solenoid Valve <i>Steer Left/Right Dump</i>	
--	24503	MANIFOLD,STEER/OSCILLATION	
--	25375	SEAL KIT (ALL MANIFOLDS)	
--	33994	PLUG AND CAP KIT-SERVICE,37ø**	
1	146161	VALVE KIT,D03.....1 <i>includes index numbers 3, 4 and 5</i>	
2	43255	SCREW,SHC,10-24 X 2.....4	
3	223763	COIL WITH DE CONNECTOR.....2 <i>use connector from old coil when replacing</i>	
4	48648	O-RING, D03 COIL.....2	
5	48649	NUT-D03 COIL.....2	
6	20318	VALVE,CHECK CP100-2-B-O-005.....1	
--	110194	SEAL KIT, VALVE, #10	
7	27531	VALVE,PILOT OPERATED.....1	
--	110197	SEAL KIT, VALVE, #10	
8	27532	VALVE,DIFFERENTIAL SENSING.....1	
--	110197	SEAL KIT, VALVE, #10	
9	27803	VALVE,SOLENOID.....1 <i>includes index numbers 10 and 11</i>	
--	74902	SEAL KIT, VALVE	
10	52033	COIL,SOLENOID VALVE 10V(24503).....1	
11	52943	NUT,SOLENOID VALVE.....2	
12	52034	VALVE,SOLENOID,2 POS-4 WAY-10V.....1 <i>includes index numbers 11 and 13</i>	
--	89722	SEAL KIT, SOLENOID VALVE	
13	29744	COIL,10V.....1	

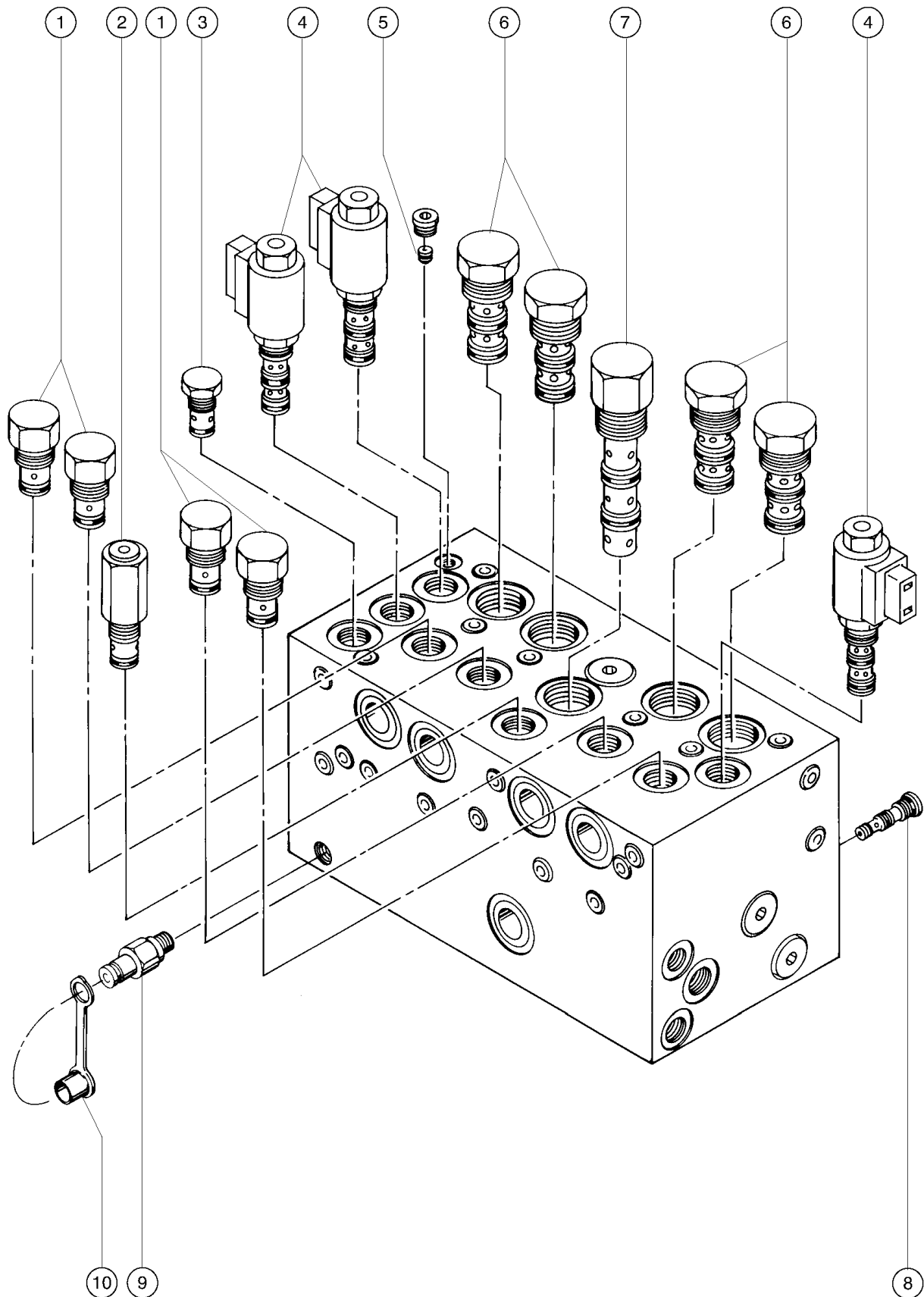
205.1 2WD Non-steer Axle



205.1 2WD Non-steer Axle

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Hydraulic Hoses and Fittings <i>refer to sections 207.1 and 208.1</i>		16	13064	WASHER,FLAT,.625 HARDENED.....	12
2	34448	TRACTION MANIFOLD,2WD***.....	1	17	40837	WHEEL ASSY, INDUSTRIAL, FF NM.....	2
3	27664	COVER W/DECAL,REAR.....	1	17	45094	WHEEL ASSY, INDUSTRIAL, AF..... <i>Industrial, Air-filled</i>	2
4	6090	SCREW,HHC,1/4-20 X .75.....	4	--	54010	TUBELESS PNEUMATIC TIRE,9-14LT <i>for 45094</i>	
5	6638	WASHER,FLAT,USS,1/4"Y.....	4	17A	45461	WHEEL ASSY, INDUSTRIAL, FF..... <i>Industrial, Foam-filled</i>	2
6	56912	SPRING CLIP,1/4-20,.025-.15X.5.....	4	17B	40137	ASSY,TIRE&WH.,NONMARK,14.5X7.2 <i>Industrial, Air-filled, Non-marking</i>	
7	24668	DRIVE MOTOR REAR,2WD/7 DEGREE*.....	2	--	54234	TUBELESS TIRE,9-14.5,NON-M 47# <i>for 40137</i>	
--	27067	SEAL,SHAFT-SUNDSTRAND***.....	2	18	54627	NUT,LUG,5/8-18 X 90 DEGREE,Z45.....	18
--	33444	SEAL KIT,DRIVE MOTOR,(24668).....	2	19	24403	WHEEL,17.5 X 10.5,9 HOLE 50#.....	2
8	8255	SCREW,HHC,3/8-16 X .75.....	4	19	54139	WHEEL,14.5 X 7.....	2
9	6021	WASHER,LOCK,.375.....	4	20	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	2
10	5397	WASHER,FLAT,USS,5/16",Y.....	4	21	6033	WASHER,LOCK,0.5".....	6
11	42484P	COVER, NON-STEER AXLE, PAINTED.....	2	22		Ref. Screw - SHC, 1/2 -13 x 5 inches, GR 8.....	4
12	41912	BRAKE,MICO,1200 IN/LB***.....	2	23		Ref. Washer - Flat, 1/2 inch.....	4
--	41920	LINING KIT,MICO BRAKE (41916).....	2				
--	41921	SEAL KIT,BRAKE,MICO.....	2				
--	41922	BEARING KIT,BRAKE,MICO.....	2				
--	72319	SPRING (RED) MICO <i>For 41912; 8 required per brake</i>					
13	52087	O-RING,2-044 BUNA***.....	4				
14	20193	TORQUE HUB,35:1***.....	2				
--	21142	SEAL KIT (W1B) TORQUE HUBS....	2				
--	21143	BEARING KIT (45553) TORQUE HUB.....	2				
--	21144	CAP,DISENGAGE-45553 TORQUE HUB.....	2				
--	21145	DISCONNECT ROD-45553 TQ.HUB.....	2				
--	21146	COVER CAP,TORQUE HUB***.....	2				
--	21148	WASHER,THRUST,TORQUE HUB.....	2				
--	21149	LUG,WHEEL STUD,5/8-18,W1/4HB**.....	2				
--	37097	O-RING, TORQUE HUB.....	2				
--	58438	KIT,COVER,TORQUE HUB,45553***					
--	58589	THRUST CAP (20193)					
15	45066	SCREW,SHC,5/8-11 X 2.25.....	12				

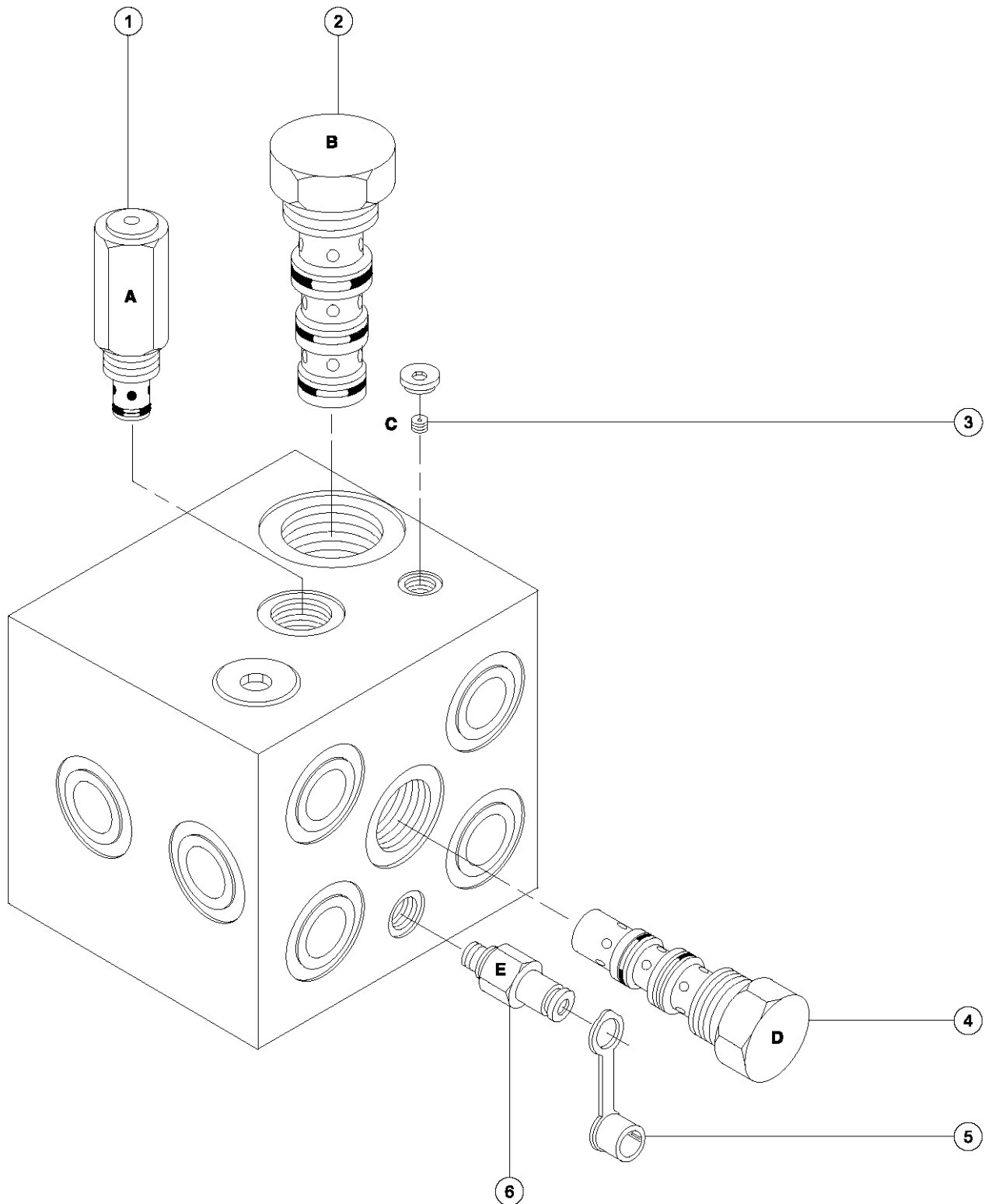
206.1 2WD Drive Manifold (to SN 2538)



206.1 2WD Drive Manifold (to SN 2538)

Item	Part No.	Description	Qty.
--	24674	MANIFOLD,TRACTION,2WD	
--	25375	SEAL KIT (ALL MANIFOLDS)	
1	27766	VALVE,FLOW REGULATOR.....	4
--	110194	SEAL KIT, VALVE, #10	
2	31406	VALVE,RELIEF 250 PSI***.....	1
--	110194	SEAL KIT, VALVE, #10	
3	27759	VALVE,CHECK.....	1
--	74902	SEAL KIT, VALVE	
4	27762	VALVE,SOLENOID.....	3
--	21444	COIL,12 VOLT (21299 MANIFOLD).....	3
--	45912	NUT,SOLENOID,2POS 3WAY.....	3
--	72043	SEAL KIT,SOLENOID VALVE	
5	27758	PLUG,0.036 ORIFICE.....	1
6	27763	VALVE,PILOT TO OPEN CHECK.....	4
7	27761	VALVE,SHUTTLE.....	1
--	84134	SEAL KIT, VALVE	
8	45483	VALVE,SHUTTLE***.....	1
--	58994	SEAL KIT,VALVE (48647)	
9	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
9	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....	1
10	48880	CAP,DIAGNOSTIC NIPPLE.....	1

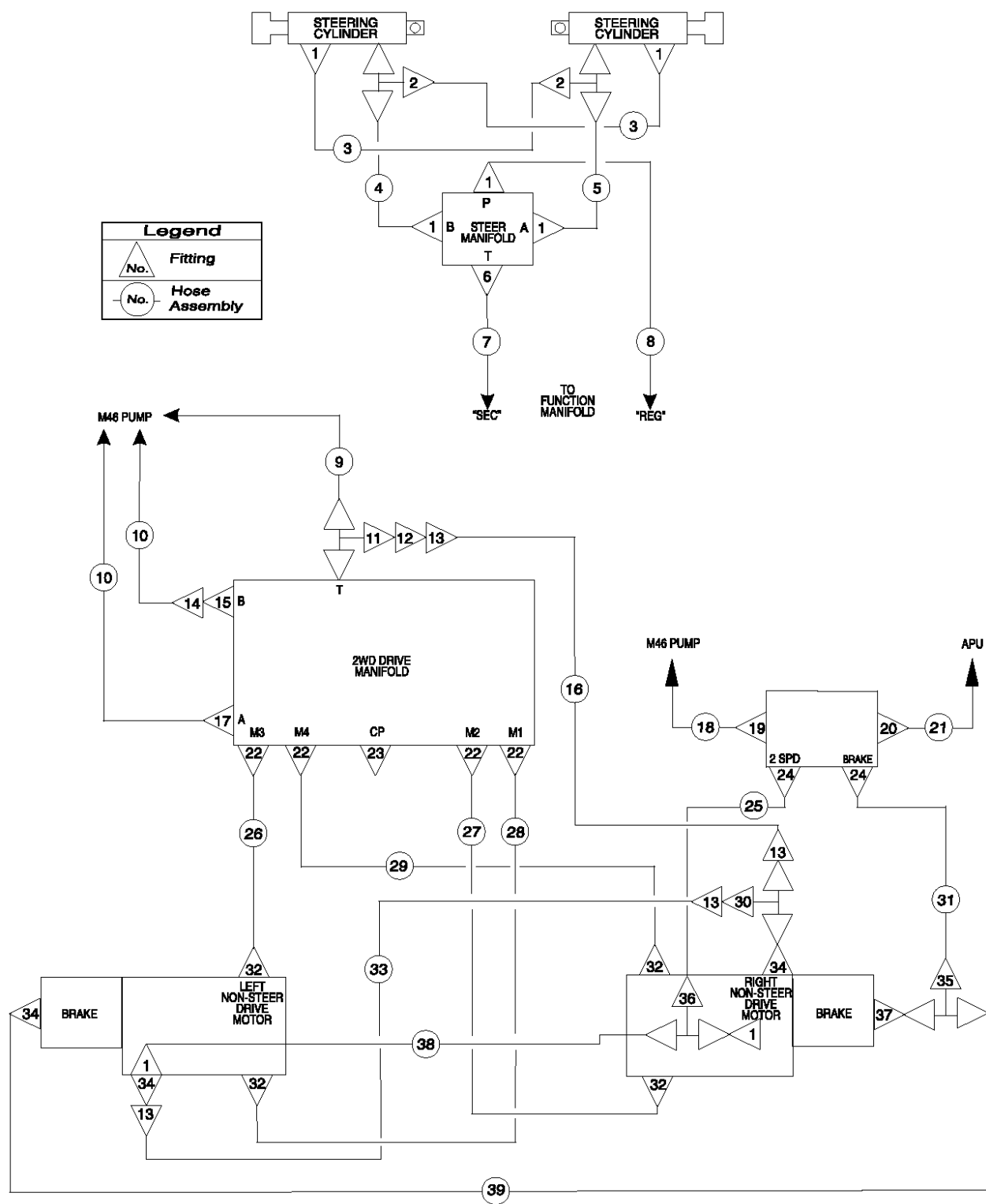
206.2 2WD Drive Manifold (from SN 2539)



206.2 2WD Drive Manifold (from SN 2539)

Item	Part No.	Description	Qty.
A		Relief Valve, 210 psi (14.5 bar) <i>Charge Pressure Circuit</i>	
B		Flow Divider/Combiner <i>Drive Circuit</i>	
C		Orifice Plug <i>Drive Circuit</i>	
D		Shuttle Valve <i>Hot Oil Shuttle</i>	
E		Diagnostic Nipple <i>Testing</i>	
--	25375	SEAL KIT (ALL MANIFOLDS)	
--	33994	PLUG AND CAP KIT-SERVICE, 37ø**	
--	34448	TRACTION MANIFOLD, 2WD*** <i>includes index numbers 1 through 4</i>	
1	43597	VALVE, RELIEF, 210 PSI.....	1
--	110194	SEAL KIT, VALVE, #10	
2	52726	VALVE, FLOW DIVIDER/COMBINER.....	1
--	84135	SEAL KIT, VALVE	
3	33520	PLUG, ORIFICE, 0.070.....	1
4	27761	VALVE, SHUTTLE.....	1
--	84134	SEAL KIT, VALVE	
5	48880	CAP, DIAGNOSTIC NIPPLE.....	1
6	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
6	48997	NIPPLE, DIAGNOSTIC, #4 PORT***.....	1

207.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Non-oscillating Models



207.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Non-oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28750	O-RING KIT,FIELD SVC,ALL PROD*		10	28027	HOSE ASSY,PWR.UNIT/TRACTN.MNFD...2 <i>Hose End - Female 90° JIC Swivel, 12-12 (Weatherhead 12U-672), Hose End - Female JIC Swivel, 12-16 (Weatherhead 12U-616) and Hose, 3/4 inch Rubber High Pressure (Weatherhead H43012)</i>	
1	13120	ELBOW,070220-6-6.....7		11	28456	TEE,RUN,070428-12-12.....1	
2	13119	TEE,RUN,070428-6-6.....2		12	20325	REDUCER,070123-12-8.....1	
3	28032	HOSE ASSY,STEER CYL. CROSSOVER.....2 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		13	20324	HOSE END,BARBED,SWIVEL,-8-8.....4	
4	28040	HOSE ASSY,STR.MFLD/L.STEER CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		14	28447	ELBOW,070221-16-16.....1	
5	28035	HOSE ASSY,OSC.MNFLD-L/STR.CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		15	20710	CONNECTOR,070120-16-12.....1	
6	45412	CONNECTOR,070120-6-6.....1		16	49177-1992	HOSE ASSY,1/2".....1 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	
7	28041	HOSE ASSY,STR.MFLD.RTN/FTN.MFL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		17	35078	ELBOW,070220-16-12.....1	
8	28036	HOSE ASSY,FUNCT.MNFLD-OSC.MNFLD...1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		18	35239	HOSE ASSY,DRV.PUMP TO BRK.VALV.....1 <i>Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
9	28028	HOSE ASSY,TRCTN.MNFLD.RTN/TEE.....1 <i>Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612), Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612) and Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>		19	12342	CONNECTOR,070120-6-4.....1	
				20	28457	ELBOW,070220-6-4.....1	
				21	28013	HOSE ASSY,AUX.P.U.-FUNCT.MNFLD.....1 <i>Hose End - Female JIC Swivel, 6-6 (Weatherhead O6U-606), Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead O6U-666) and Hose, 3/8 inch Rubber High Pressure (Weatherhead H24506)</i>	
				22	45360	CONNECTOR,070120-10-12.....4	
				23	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1	
				23	48880	CAP,DIAGNOSTIC NIPPLE.....1	
				23	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....1	
				24	13755	CONNECTOR,070120-4-4.....2	

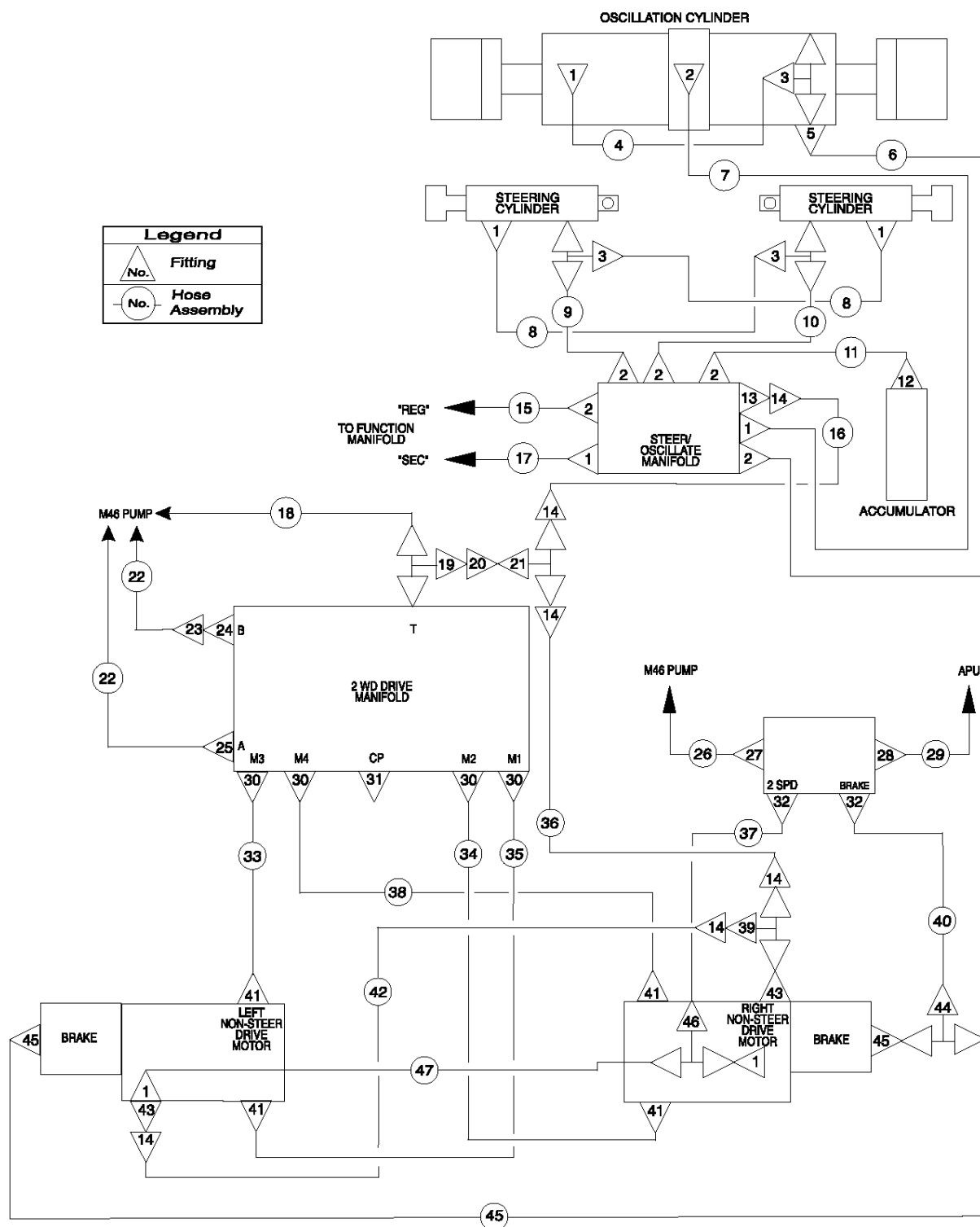
207.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Non-oscillating Models (continued)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
25	35237	HOSE ASSY,2 SPD.VAL.TO RR.MOTR.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	1	33	35242	HOSE ASSY,RR - LR CASE DRAIN.....1 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	1
26	46185	HOSE ASSEMBLY, MAN. TO RR MTR.....1 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	1	34	25951	ELBOW,070220-8-12.....2	2
27	46183	HOSE ASSEMBLY DRV.MAN.M2 TO RR.....1 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	1	35	13757	TEE,RUN,070432-4.....1	1
28	46184	HOSE ASSEMBLY,DRV.MAN.M1 TO LR.....1 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	1	36	45366	TEE,RUN,070432-6-6.....1	1
29	44093	Hose Assembly - Components: @ 15.25 inches (39 cm).....1 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	1	37	13921	ELBOW,070220-4-4.....2	2
30	21252	TEE,RUN,070432-8.....1	1	38	35238	HOSE ASSY,LT.DRV.TO 2SPD.PORT.....1 <i>Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	1
31	35241	HOSE ASSY,BRK.VAL.TO BRAKEPORT.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-4 (Synflex 3903-04644) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	1	39	49189-4263	HOSE ASSY,1/4".....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	1
32	44083	ELBOW,070220-10-16.....4	4				

207.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Non-oscillating Models
(continued)

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208.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models



208.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	13120	ELBOW,070220-6-6.....	7	11	28037	HOSE ASSY,OSC.MNFLD/ACCUMULATR.1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1
2	45412	CONNECTOR,070120-6-6.....	6	12	27431	CONNECTOR,070120-8-12.....	1
3	13119	TEE,RUN,070428-6-6.....	3	13	20923	CONNECTOR,070120-8-6.....	1
4	13576	HOSE ASSY,VB-HAND PUMP,13.5".....	1	14	20324	HOSE END,BARBED,SWIVEL,-8-8.....	6
		<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		15	28036	HOSE ASSY,FNCT.MNFLD-OSC.MNFLD...1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1
5	45367	ELBOW,070221-6-6.....	1	16	28034	HOSE,55".....	1
6	28029	HOSE ASSY,OSC.MNFLD/RUN TEE.....	1			<i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	
		<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		17	28031	HOSE ASSY,FNCTN.MNFLD/OSC.MNFD..1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1
7	28033	HOSE ASSY,OSC.MNFLD/OSC.CYLIND....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, Long, 6-6 (Synflex 3903-06846) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1	18	28028	HOSE ASSY,TRCTN.MNFLD.RTN/TEE.....1 <i>Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612), Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612) and Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	1
8	28032	HOSE ASSY,STEER CYL. CROSSOVER.....	2	19	28456	TEE,RUN,070428-12-12.....	1
		<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		20	20325	REDUCER,070123-12-8.....	1
9	28035	HOSE ASSY,OSC.MNFLD-L/STR.CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1	21	22273	TEE,BRANCH,070433-8-8.....	1
10	28030	HOSE ASSY,OSC.MNFLD-R/STR.CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	1	22	28027	HOSE ASSY,PWR.UNIT/TRACTN.MNFD...2 <i>Hose End - Female 90° JIC Swivel, 12-12 (Weatherhead 12U-672), Hose End - Female JIC Swivel, 12-16 (Weatherhead 12U-616) and Hose, 3/4 inch Rubber High Pressure (Weatherhead H43012)</i>	2

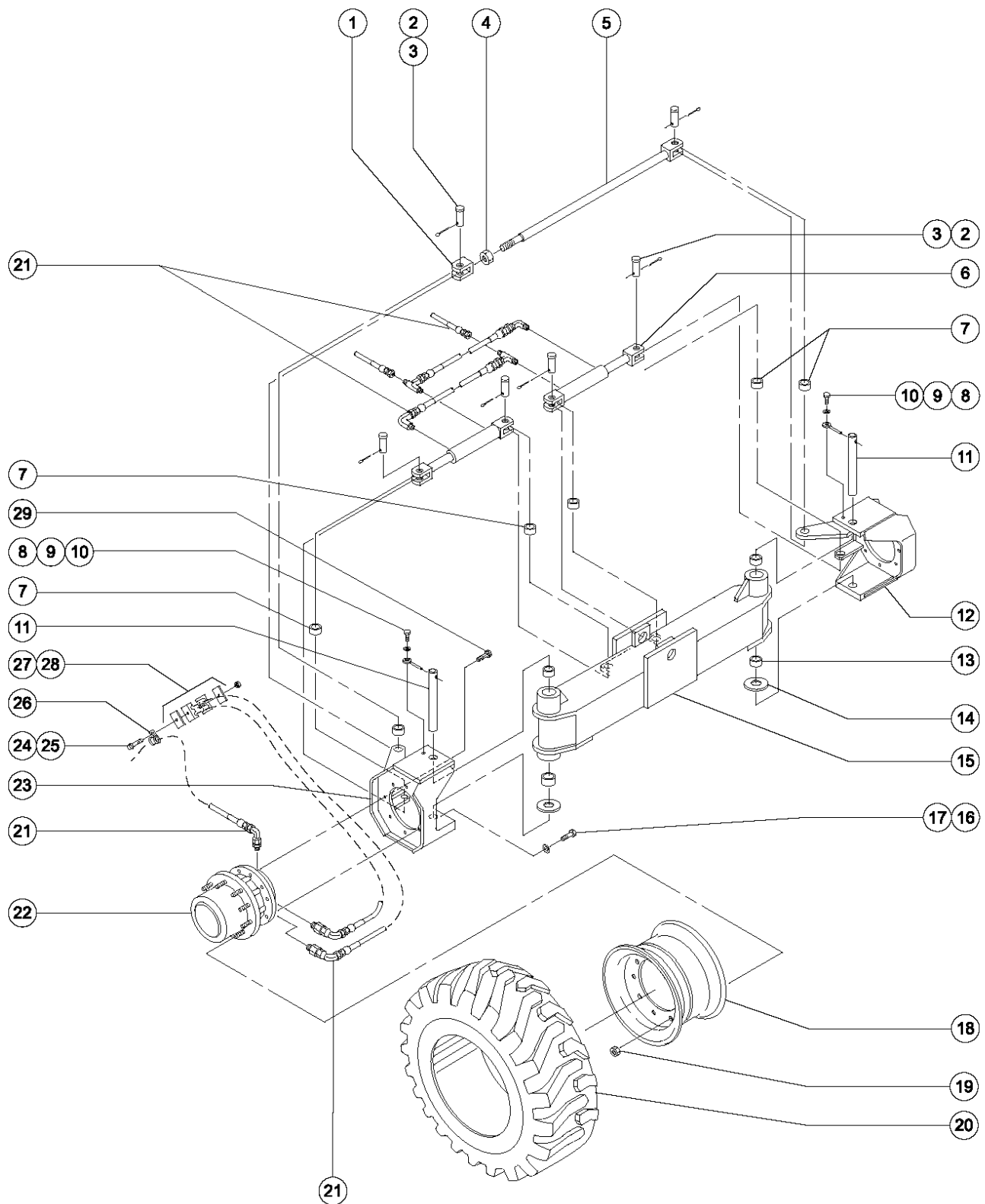
208.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models (continued)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
23	28447	ELBOW,070221-16-16.....	1	35	46184	HOSE ASSEMBLY,DRV.MAN.M1 TO LR.....	1
24	20710	CONNECTOR,070120-16-12.....	1			<i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	
25	35078	ELBOW,070220-16-12.....	1	36	49177-1992	HOSE ASSY,1/2".....	1
26	35239	HOSE ASSY,DRV.PUMP TO BRK.VALV.....	1			<i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	
		<i>Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>		37	35237	HOSE ASSY,2 SPD.VAL.TO RR.MOTR.....	1
27	12342	CONNECTOR,070120-6-4.....	1			<i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
28	28457	ELBOW,070220-6-4.....	1	38	44093	Hose Assembly - Components: @ 15.25 inches (39 cm).....	1
29	28013	HOSE ASSY,AUX.P.U.-FUNCT.MNFLD.....	1			<i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	
		<i>Hose End - Female JIC Swivel, 6-6 (Weatherhead O6U-606), Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead O6U-666) and Hose, 3/8 inch Rubber High Pressure (Weatherhead H24506)</i>		39	21252	TEE,RUN,070432-8.....	1
30	45360	CONNECTOR,070120-10-12.....	4	40	35241	HOSE ASSY,BRK.VAL.TO BRAKEPORT.....	1
31	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1			<i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-4 (Synflex 3903-04644) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
31	48880	CAP,DIAGNOSTIC NIPPLE.....	1	41	44083	ELBOW,070220-10-16.....	4
31	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....	1	42	35242	HOSE ASSY,RR - LR CASE DRAIN.....	1
32	13755	CONNECTOR,070120-4-4.....	2			<i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	
33	46185	HOSE ASSEMBLY, MAN. TO RR MTR.....	1	43	25951	ELBOW,070220-8-12.....	2
		<i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>		44	13757	TEE,RUN,070432-4.....	1
34	46183	HOSE ASSEMBLY DRV.MAN.M2 TO RR.....	1	44	45366	TEE,RUN,070432-6-6.....	1
		<i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>		45	13921	ELBOW,070220-4-4.....	2

208.1 2WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models (continued)

Item	Part No.	Description	Qty.
47	35238	HOSE ASSY,LT.DRV.TO 2SPD.PORT.....1 <i>Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
48	49189-4263	HOSE ASSY,1/4".....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	

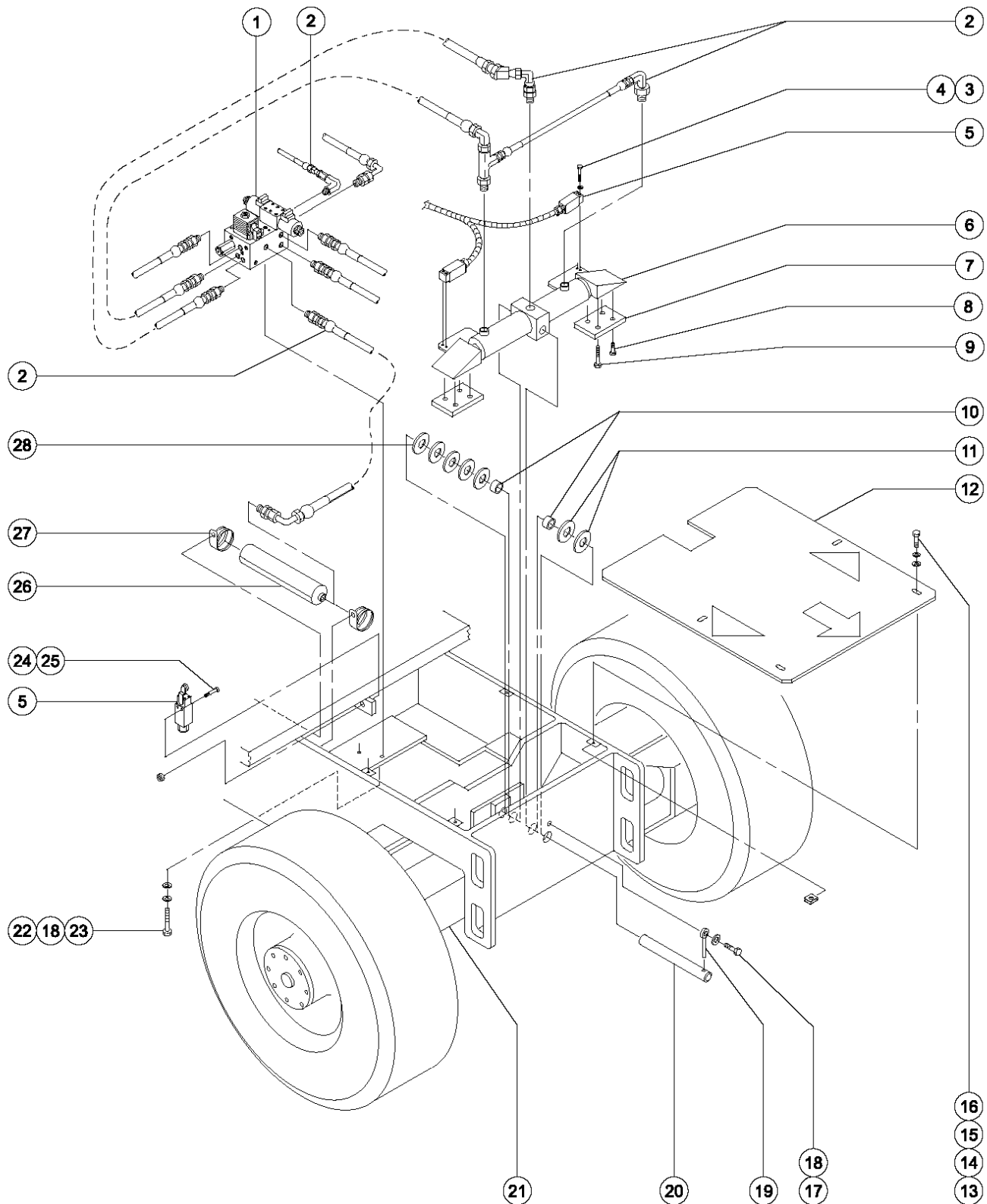
301.1 4WD Steer Axle Linkage - Oscillating Models



301.1 4WD Steer Axle Linkage - Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	23154-S	WELDMNT,ROD END.....	1	27	36859	TOP PLATE,CLAMP.....	2
2	19440	PIN,CLEVIS,1 X 2.5 LG.....	6	28	36858	CLAMP PAIR,DUAL HOSE.....	4
3	5361	PIN,COTTER,,125 X 1.5.....	6	29	29883	SCREW,HHC,5/8-11 X 1.75	
4	28352	NUT,HEX,JAM,1-8.....	1			GRD.8.....	2
5	24544	TIE ROD WELDMNT Z/45.....	1				
6	24390	CYLINDER,STEER,2 X 6.....	2				
--	45548	SEAL KIT (CYL PN 13078) BL.....	2				
7	25817	BEARING,1.00IDX1.25ODX1.00L....	6				
8	6175	SCREW,HHC,3/8-16 X 1.....	2				
9	6021	WASHER,LOCK,.375.....	2				
10	45226	ROD END,.375 X 3.69.....	2				
11	25058	PIN,KING,14.5 X 1.5 INCH.....	2				
12	27667	YOKE ASSY,L.S.,4WD.....	1				
		<i>includes 2 each index number 7</i>					
13	45071	BEARING,1.5IDX1.75ODX1.5L.....	4				
14	45074	WASHER,THRUST,1.5 X 3.5 X					
		.187.....	2				
15	27666	OSCILLATING FRONT AXLE					
		ASSY.....	1				
		<i>includes index number 13 and 2 each</i>					
		<i>of index number 7</i>					
16	19418	SCREW,SHC,5/8-11 X 1.75.....	14				
17	13064	WASHER,FLAT,.625					
		HARDENED.....	16				
18	24403	WHEEL,17.5 X 10.5,9 HOLE 50#.....	2				
19	54627	NUT,LUG,5/8-18 X 90					
		DEGREE,Z45.....	18				
20		Ref., Tire and Wheel Assy					
		<i>refer to 201.1</i>					
21		Ref. Hydraulic Hoses and Fittings.....	2				
		<i>refer to section 306.1</i>					
22	21149	LUG,WHEEL					
		STUD,5/8-18,W1/4HB**	2				
22	27427	SEAL KIT,GEAR BOX (29025).....	2				
22	29025	MOTOR & TORQUE					
		HUB,FRONT,SAE**	2				
23	27668	YOKE ASSY,R.S.,4WD.....	1				
		<i>includes 2 each index number 7</i>					
24	18505	5/16-18 X 2.25					
		LG.FLG.LCK.SCRW.....	2				
25	6002	NUT,LP NYLOCK,5/16-18.....	2				
26	45454	CLAMP,RUB CUSH,0.75,#12 X					
		3/8*	2				

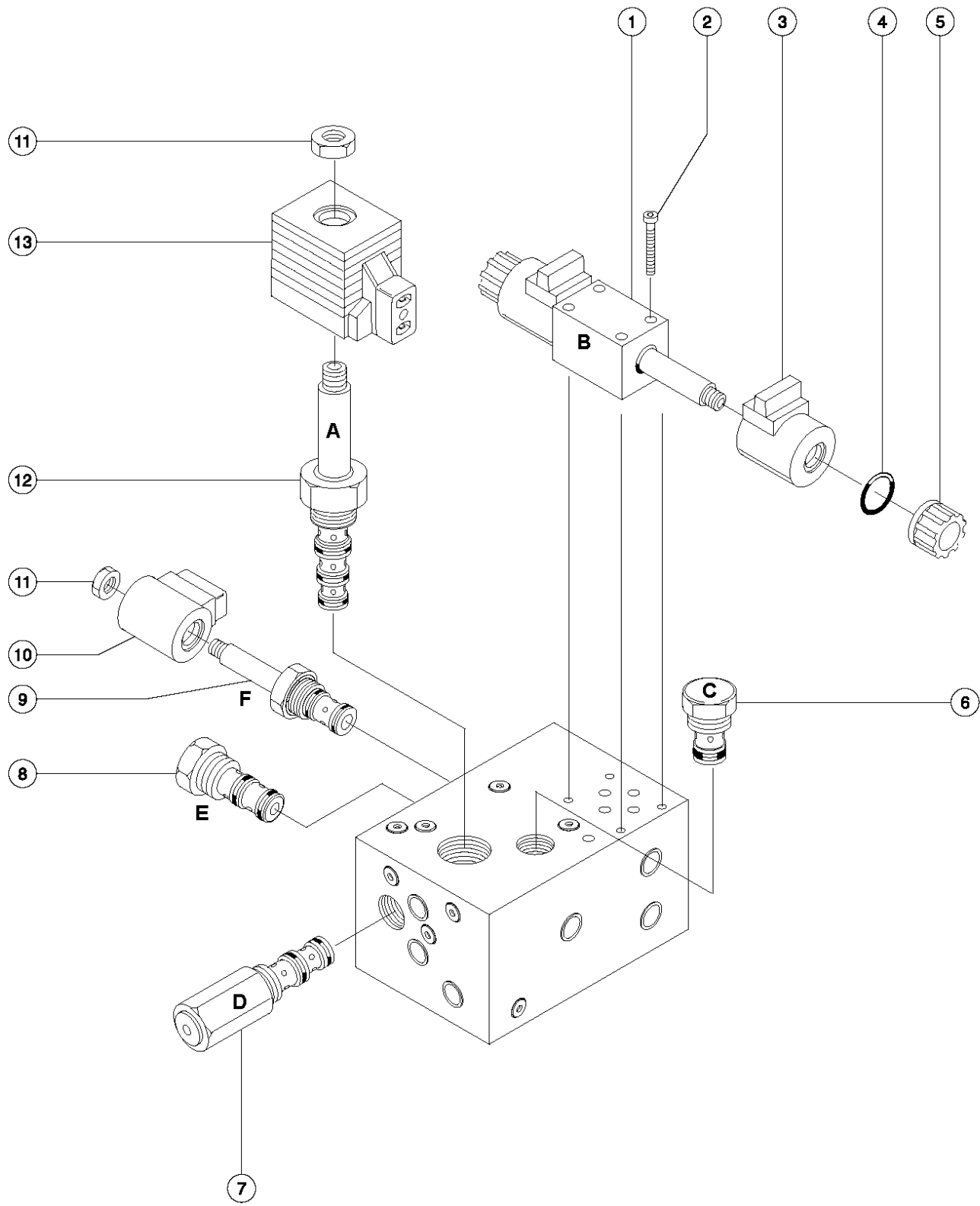
302.1 4WD Oscillating System



302.1 4WD Oscillating System

Item	Part No.	Description	Qty.
1	24503	MANIFOLD,STEER/OSCILLATION..1	
2		Ref. Hydraulic Hoses and Fittings.....1 <i>refer to section 306.1</i>	
3	49821	SCREW,PHILLIPS,PHM,8-32 X 1.25.....4	
4	35461	WASHER,FLAT,MS,#8,Y.....2	
5	88356-11103	SWITCH,LIMIT,W/RLR ARM,NO/NC.....3	
--	19491	CONTACTOR,LIMIT SWITCH	
--	97128	ROLLER ARM,LIMIT SWITCH***	
6	24484	CYLINDER,OSCIL.,2.5X3,DBL.ACT..1	
--	18471	SEAL KIT (CYL.PN# 45033,45034).....1	
7	24705	WEAR PAD,OSCILLATING AXLE, Z45.....2	
8	48448	SCREW,FHS,3/8-24 X .50.....4	
9	17830	SCREW,FHS,3/8-24 X .75.....4	
10	45071	BEARING,1.5IDX1.75ODX1.5L.....2	
11	36603	WASHER,FLAT,1.56 X 3.5 X .061....2	
12	27661	COVER W/DECAL,FRONT.....1	
13	6090	SCREW,HHC,1/4-20 X .75.....4	
14	6356	WASHER,LOCK,.25.....4	
15	6638	WASHER,FLAT,USS,1/4"Y.....4	
16	56912	SPRING CLIP,1/4-20,.025-.15X.5....4	
17	6175	SCREW,HHC,3/8-16 X 1.....1	
18	6021	WASHER,LOCK,.375.....3	
19	45226	ROD END,.375 X 3.69.....1	
20	29057	PIN,AXLE PIVOT,10.75 X 1.5".....1	
21		Ref. Steer Linkage - Oscillating Axle Installation.....1 <i>refer to section 301.1</i>	
22	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....2	
23	5397	WASHER,FLAT,USS,5/16",Y.....2	
24	22541	SCREW,RHM,10-32 X 1.5.....2	
25	6178	NUT,NYLOCK,10-32.....2	
26	27374	ACCUMULATOR,1800PSI PRECHARGE*.....1	
27	27497	CLAMP,RUBBER CUSHIONED-2 5/32.....2	
28	18596	WASHER,FLAT,1.56 X 2.5 X .061....5	

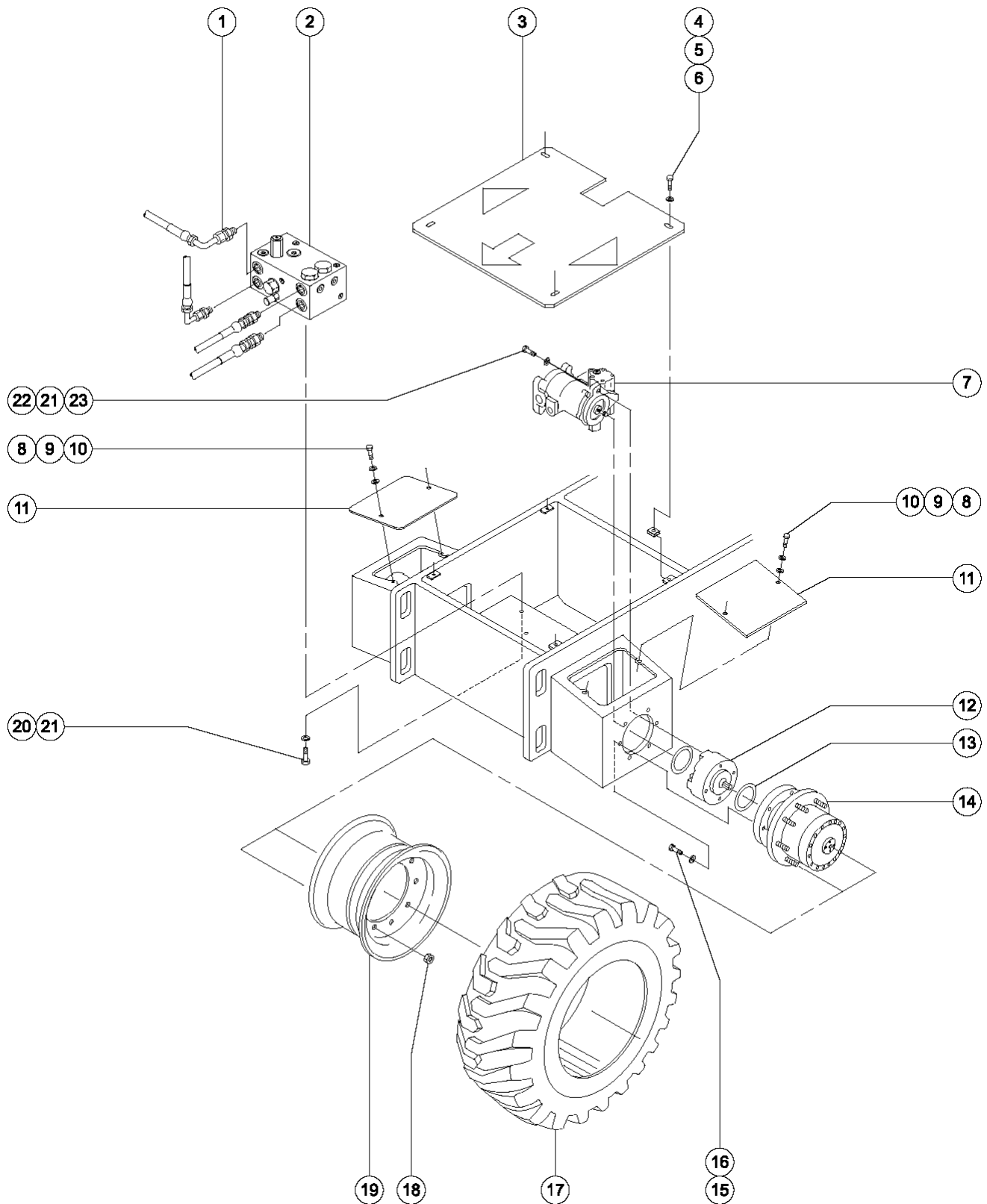
303.1 4WD Steer/Oscillating Manifold



303.1 4WD Steer/Oscillating Manifold

Item	Part No.	Description	Qty.
A		Solenoid Valve <i>Oscillate Cyl. Extend/Retract</i>	
B		DO3 Valve <i>Steer Left/Right</i>	
C		Check Valve <i>Oscillate Circuit</i>	
D		Unloader Valve <i>Oscillate Relief</i>	
E		Differential Sensing Valve <i>Oscillate Circuit</i>	
F		Solenoid Valve <i>Steer Left/Right Dump</i>	
--	24503	MANIFOLD,STEER/OSCILLATION	
--	25375	SEAL KIT (ALL MANIFOLDS)	
--	33994	PLUG AND CAP KIT-SERVICE,37ø**	
1	146161	VALVE KIT,D03.....1 <i>includes index numbers 3, 4 and 5</i>	
2	43255	SCREW,SHC,10-24 X 2.....4	
3	223763	COIL WITH DE CONNECTOR.....2 <i>use the connector from the old coil when replacing</i>	
4	48648	O-RING, D03 COIL.....2	
5	48649	NUT-D03 COIL.....2	
6	20318	VALVE,CHECK CP100-2-B-O-005.....1	
--	110194	SEAL KIT, VALVE, #10	
7	27531	VALVE,PILOT OPERATED.....1	
--	110197	SEAL KIT, VALVE, #10	
8	27532	VALVE,DIFFERENTIAL SENSING.....1	
--	110197	SEAL KIT, VALVE, #10	
9	27803	VALVE,SOLENOID.....1 <i>includes index numbers 10 and 11</i>	
--	74902	SEAL KIT, VALVE	
10	52033	COIL,SOLENOID VALVE 10V(24503).....1	
11	52943	NUT,SOLENOID VALVE.....2	
12	52034	VALVE,SOLENOID,2 POS-4 WAY-10V.....1 <i>includes index numbers 11 and 13</i>	
--	89722	SEAL KIT, SOLENOID VALVE	
13	29744	COIL,10V.....1	

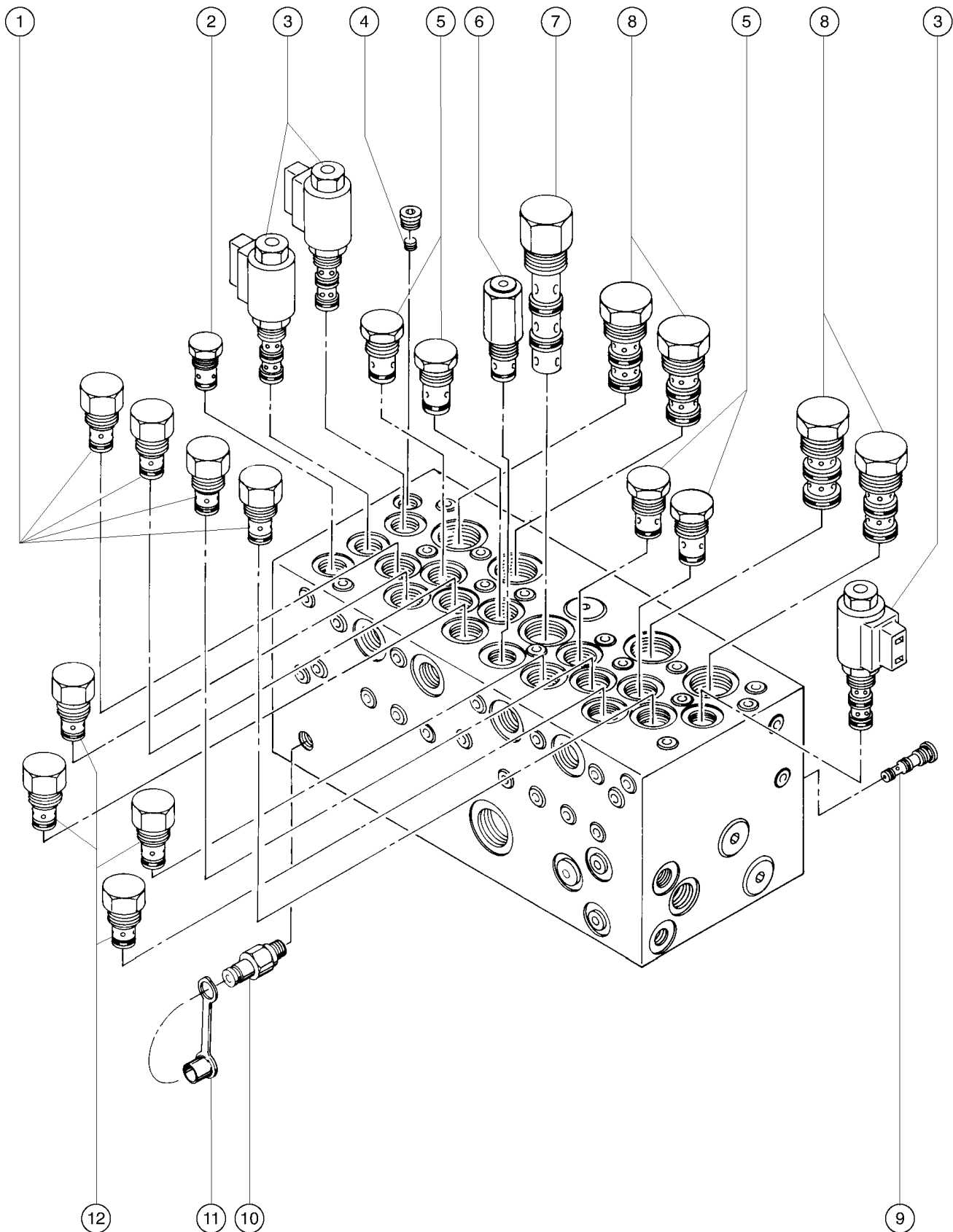
304.1 4WD Non-steer Axle



304.1 4WD Non-steer Axle

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Hydraulic Hoses and Fittings <i>refer to section 306.1</i>		15	45066	SCREW,SHC,5/8-11 X 2.25.....	12
2	40033	MANIFOLD,TRCN W/BYPASS,4WD***.....	1	16	13064	WASHER,FLAT,.625 HARDENED.....	12
3	27664	COVER W/DECAL,REAR.....	1	17		Ref., Tire and Wheel Assy.....	2
4	6090	SCREW,HHC,1/4-20 X .75.....	4			<i>refer to 201.1</i>	
5	6638	WASHER,FLAT,USS,1/4"Y.....	4	18	54627	NUT,LUG,5/8-18 X 90 DEGREE,Z45.....	18
6	56912	SPRING CLIP,1/4-20,.025-.15X.5....	4	19	54139	WHEEL,14.5 X 7.....	2
7	24667	DRVE MOTOR REAR,4WD/1DEGREE.....	2	--	24403	WHEEL,17.5 X 10.5,9 HOLE 50#.....	2
--	27067	SEAL,SHAFT-SUNDSTRAND***.....	2	20	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	3
--	49897	GASKET,TURTLE,DRV MTR,EDC		21	6033	WASHER,LOCK,0.5".....	6
--	65865	SEAL KIT, SUNSTRAND		22		Ref. Screw - SHC, 1/2 -13 x 5 inches, GR 8.....	4
--	83081	COVER, SERVO (24667)		23		Ref. Washer - Flat, 1/2 inch.....	4
8	8255	SCREW,HHC,3/8-16 X .75.....	4				
9	6021	WASHER,LOCK,.375.....	4				
10	5397	WASHER,FLAT,USS,5/16",Y.....	4				
11	42484P	COVER, NON-STEER AXLE, PAINTED.....	2				
12	41912	BRAKE,MICO,1200 IN/LB***.....	2				
--	41920	LINING KIT,MICO BRAKE (41916).....	2				
--	41921	SEAL KIT,BRAKE,MICO.....	2				
--	41922	BEARING KIT,BRAKE,MICO.....	2				
--	72319	SPRING (RED) MICO <i>For 41912; 8 required per brake</i>					
13	52087	O-RING,2-044 BUNA***.....	4				
14	20193	TORQUE HUB,35:1***.....	2				
--	21142	SEAL KIT (W1B) TORQUE HUBS....	2				
--	21143	BEARING KIT (45553) TORQUE HUB.....	2				
--	21144	CAP,DISENGAGE-45553 TORQUE HUB.....	2				
--	21145	DISCONNECT ROD-45553 TQ.HUB.....	2				
--	21146	COVER CAP,TORQUE HUB***.....	2				
--	21148	WASHER,THRUST,TORQUE HUB.....	2				
--	21149	LUG,WHEEL STUD,5/8-18,W1/4HB**.....	2				
--	37097	O-RING, TORQUE HUB.....	2				
--	58438	KIT,COVER,TORQUE HUB,45553***					
--	58589	THRUST CAP (20193)					

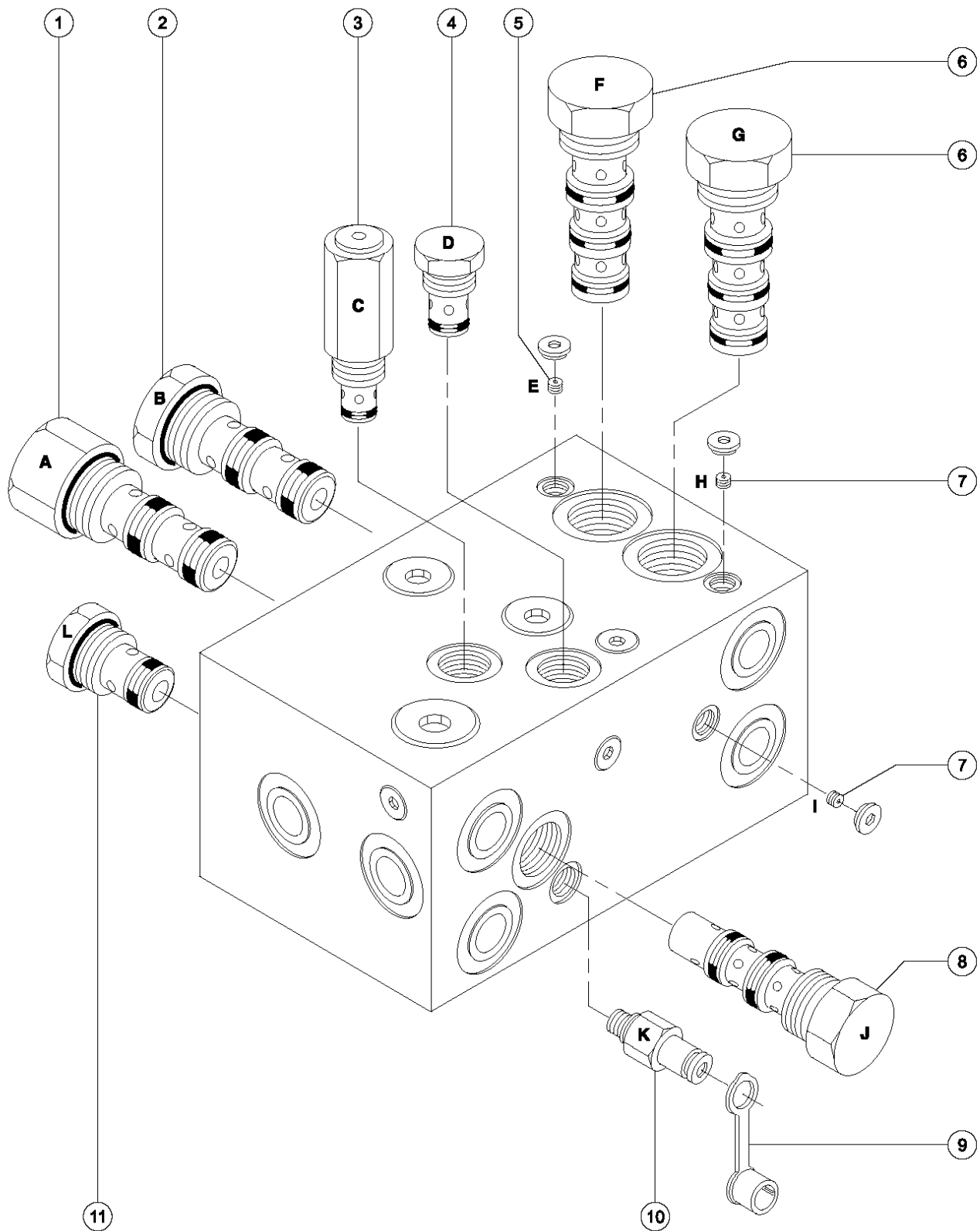
305.1 4WD Drive Manifold (to SN 2538)



305.1 4WD Drive Manifold (to SN 2538)

Item	Part No.	Description	Qty.
--	24504	MANIFOLD,TRACTION,4WD	
--	25375	SEAL KIT (ALL MANIFOLDS)	
1	27765	VALVE,FLOW REGULATOR.....	4
--	110195	SEAL KIT, VALVE, #12	
2	27759	VALVE,CHECK.....	1
--	74902	SEAL KIT, VALVE	
3	27762	VALVE,SOLENOID.....	3
--	21444	COIL,12 VOLT (21299 MANIFOLD).....	3
--	45912	NUT,SOLENOID,2POS 3WAY.....	3
--	72043	SEAL KIT,SOLENOID VALVE	
4	27758	PLUG,0.036 ORIFICE.....	1
5	20318	VALVE,CHECK CP100-2-B-O-005.....	4
--	110194	SEAL KIT, VALVE, #10	
6	31406	VALVE,RELIEF 250 PSI***.....	1
--	110194	SEAL KIT, VALVE, #10	
7	27761	VALVE,SHUTTLE.....	1
--	84134	SEAL KIT, VALVE	
8	27763	VALVE,PILOT TO OPEN CHECK....	4
9	45483	VALVE,SHUTTLE***.....	1
--	58994	SEAL KIT,VALVE (48647)	
10	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
10	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....	1
11	48880	CAP,DIAGNOSTIC NIPPLE.....	1
12	27764	VALVE,FLOW REGULATOR.....	4
--	110194	SEAL KIT, VALVE, #10	

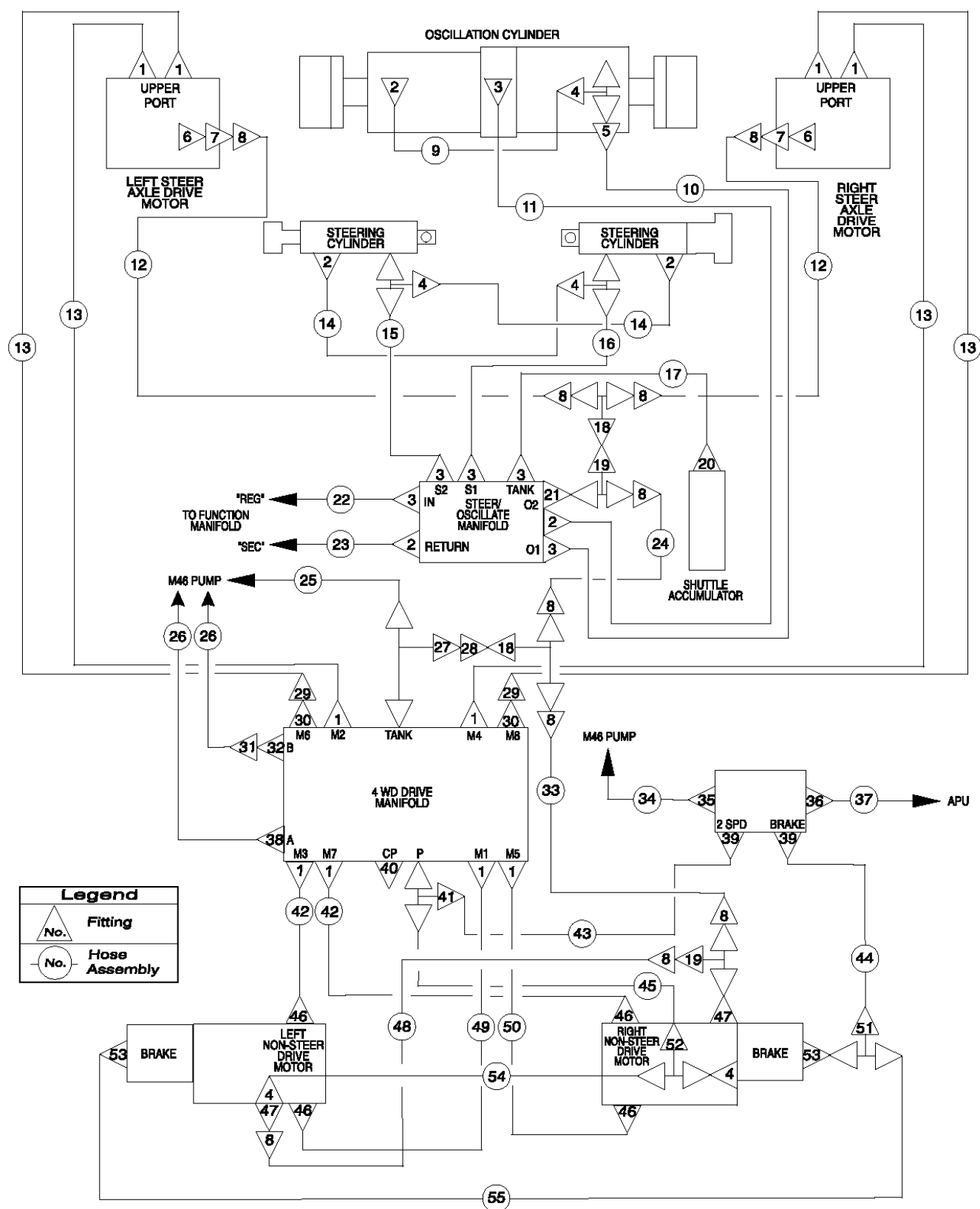
305.2 4WD Drive Manifold (from SN 2539)



305.2 4WD Drive Manifold (from SN 2539)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A		Valve - Directional Control <i>Divider Bypass</i>		7	33520	PLUG,ORIFICE,0.070.....	2
B		Valve - Flow Divider <i>Drive Circuit</i>		8	27761	VALVE,SHUTTLE.....	1
C		Valve - Relief <i>Charge Pressure Circuit</i>		9	48880	CAP,DIAGNOSTIC NIPPLE.....	1
D		Valve - Check <i>Divider Bypass Circuit</i>		10	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
E		Plug - Orifice, 0.052 inch (1.32 mm) <i>Steer End Drv Mtr Circuit</i>		10	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....	1
F		Valve - Flow Divider <i>Front Wheel Drive Circuit</i>		11	23938	VALVE,CHECK 45027,20419.....	1
G		Valve - Flow Divider <i>Non-Steer End Wheel Drive Circuit</i>		--	110194	SEAL KIT, VALVE, #10	
H		Plug - Orifice, 0.070 inch (1.78 mm) <i>Rear Drive Motor Circuit</i>					
I		Plug - Orifice, 0.070 inch (1.78 mm) <i>Drive Circuit Circuit</i>					
J		Valve - Shuttle <i>Hot Oil Shuttle</i>					
K		Diagnostic Nipple <i>Testing</i>					
L		Valve - Check <i>Divider Bypass Circuit</i>					
--	25375	SEAL KIT (ALL MANIFOLDS)					
--	33994	PLUG AND CAP KIT-SERVICE,37ø**					
--	40033	MANIFOLD,TRCN W/BYPASS,4WD*** <i>includes index numbers 1 through 8 and 11</i>					
1	48658	VALVE,DIRECT. CONTROL,4WD S60.....	1				
--	84135	SEAL KIT, VALVE					
2	33521	VALVE,FLOW DIVIDER/COMBINER.....	1				
--	84135	SEAL KIT, VALVE					
3	43597	VALVE,RELIEF,210 PSI.....	1				
--	110194	SEAL KIT, VALVE, #10					
4	33562	VALVE,CHECK,PILOT OPERATED.....	1				
--	84133	SEAL KIT, VALVE 84131					
5	29737	PLUG,ORIFICE,0.052 INCH.....	1				
6	52726	VALVE,FLOW DIVIDER/COMBINER.....	2				
--	84135	SEAL KIT, VALVE					

306.1 4WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models



306.1 4WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--				14	28032	HOSE ASSY,STEER CYL. CROSSOVER.....2 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
1	45360	CONNECTOR,070120-10-12.....10		15	28035	HOSE ASSY,OSC.MNFLD-L/STR.CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
2	13120	ELBOW,070220-6-6.....7		16	28030	HOSE ASSY,OSC.MNFLD-R/STR.CYL.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
3	45412	CONNECTOR,070120-6-6.....7		17	28037	HOSE ASSY,OSC.MNFLD/ACCUMULATR.1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
4	13119	TEE,RUN,070428-6-6.....3		18	22273	TEE,BRANCH,070433-8-8.....2	
5	45367	ELBOW,070221-6-6.....1		19	21252	TEE,RUN,070432-8.....2	
6	22665	CONNECTOR,070120-8-10.....2		20	27431	CONNECTOR,070120-8-12.....1	
7	45702	ELBOW,070221-8-8.....2		21	20923	CONNECTOR,070120-8-6.....1	
8	20324	HOSE END,BARBED,SWIVEL,-8-8.....10		22	28036	HOSE ASSY,FNCT.MNFLD-OSC.MNFLD...1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
9	13576	HOSE ASSY,VB-HAND PUMP,13.5".....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>		23	28031	HOSE ASSY,FNCTN.MNFLD/OSC.MNFD..1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
10	28029	HOSE ASSY,OSC.MNFLD/RUN TEE.....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>					
11	28033	HOSE ASSY,OSC.MNFLD/OSC.CYLIND....1 <i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female 90° JIC Swivel, Long, 6-6 (Synflex 3903-06846) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>					
12	28025	HOSE,FT DRIVE MOTOR RETURN.....2 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>					
13	28021	HOSE ASSY,TRCTN.MFLD/F.DRV.HUB....4 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>					

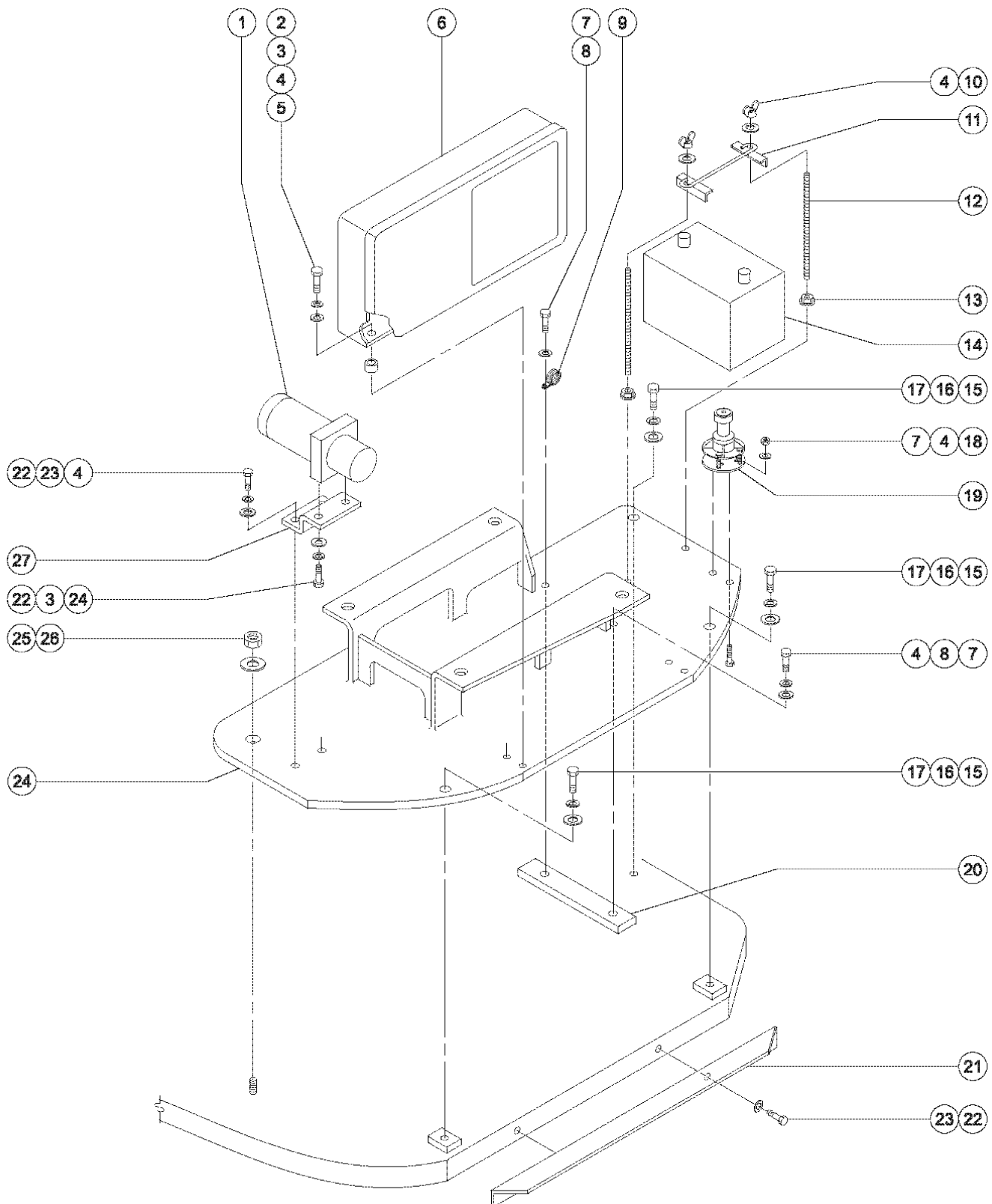
306.1 4WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models (continued)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
24	28034	HOSE,55".....1 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>		40	20224	DIAGNOSTIC FEMALE Q-DSCNT.....1	
25	28028	HOSE ASSY,TRCTN.MNFLD.RTN/TEE.....1 <i>Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612), Hose End - Female JIC Swivel, 12-12 (Weatherhead 12U-612) and Hose, 3/4 inch Neoprene Medium Pressure (Weatherhead H10412)</i>		40	48880	CAP,DIAGNOSTIC NIPPLE.....1	
				40	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....1	
26	28027	HOSE ASSY,PWR.UNIT/TRACTN.MNFD...2 <i>Hose End - Female 90° JIC Swivel, 12-12 (Weatherhead 12U-672), Hose End - Female JIC Swivel, 12-16 (Weatherhead 12U-616) and Hose, 3/4 inch Rubber High Pressure (Weatherhead H43012)</i>		41	28444	TEE,RUN,070428-6-6.....1	
27	28456	TEE,RUN,070428-12-12.....1		42	31802	HOSE ASSY,13".....2 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female 90° JIC Swivel, 8-10 (Synflex 3903-08650) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	
28	20325	REDUCER,070123-12-8.....1		43	35237	HOSE ASSY,2 SPD.VAL.TO RR.MOTR.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
29	21483	REDUCER,070123-12-10.....2		44	35241	HOSE ASSY,BRK.VAL.TO BRAKEPORT.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-4 (Synflex 3903-04644) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
30	22099	ELBOW,070320-12-12.....2		45	35245	HOSE ASSY,BYPAS VAL.TO 2SP.PRT.....1 <i>Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
31	28447	ELBOW,070221-16-16.....1		46	44083	ELBOW,070220-10-16.....4	
32	20710	CONNECTOR,070120-16-12.....1		47	25951	ELBOW,070220-8-12.....2	
33	49177-1992	HOSE ASSY,1/2".....1 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>		48	35242	HOSE ASSY,RR - LR CASE DRAIN.....1 <i>Hose, 1/2 inch Neoprene Low Pressure (Weatherhead H20108)</i>	
34	35239	HOSE ASSY,DRV.PUMP TO BRK.VALV.....1 <i>Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>		49	32210	HOSE ASSY,20.50".....1 <i>Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)</i>	
35	12342	CONNECTOR,070120-6-4.....1					
36	28457	ELBOW,070220-6-4.....1					
37	28013	HOSE ASSY,AUX.P.U.-FUNCT.MNFLD.....1 <i>Hose End - Female JIC Swivel, 6-6 (Weatherhead O6U-606), Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead O6U-666) and Hose, 3/8 inch Rubber High Pressure (Weatherhead H24506)</i>					
38	35078	ELBOW,070220-16-12.....1					
39	13755	CONNECTOR,070120-4-4.....2					

306.1 4WD Hydraulic Hoses and Fittings - Drive Chassis, Oscillating Models (continued)

Item	Part No.	Description	Qty.
50	31800	HOSE ASSY,15.75".....1 Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550), Hose End - Female JIC Swivel, 8-10 (Synflex 3903-08550) and Hose, 1/2 inch Thermoplastic Medium Pressure (Synflex 3800-08)	1
51	13757	TEE,RUN,070432-4.....1	1
52	45366	TEE,RUN,070432-6-6.....1	1
53	13921	ELBOW,070220-4-4.....2	2
54	35238	HOSE ASSY,LT.DRV.TO 2SPD.PORT.....1 Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)	1
55	49189-4263	HOSE ASSY,1/4".....1 Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)	1

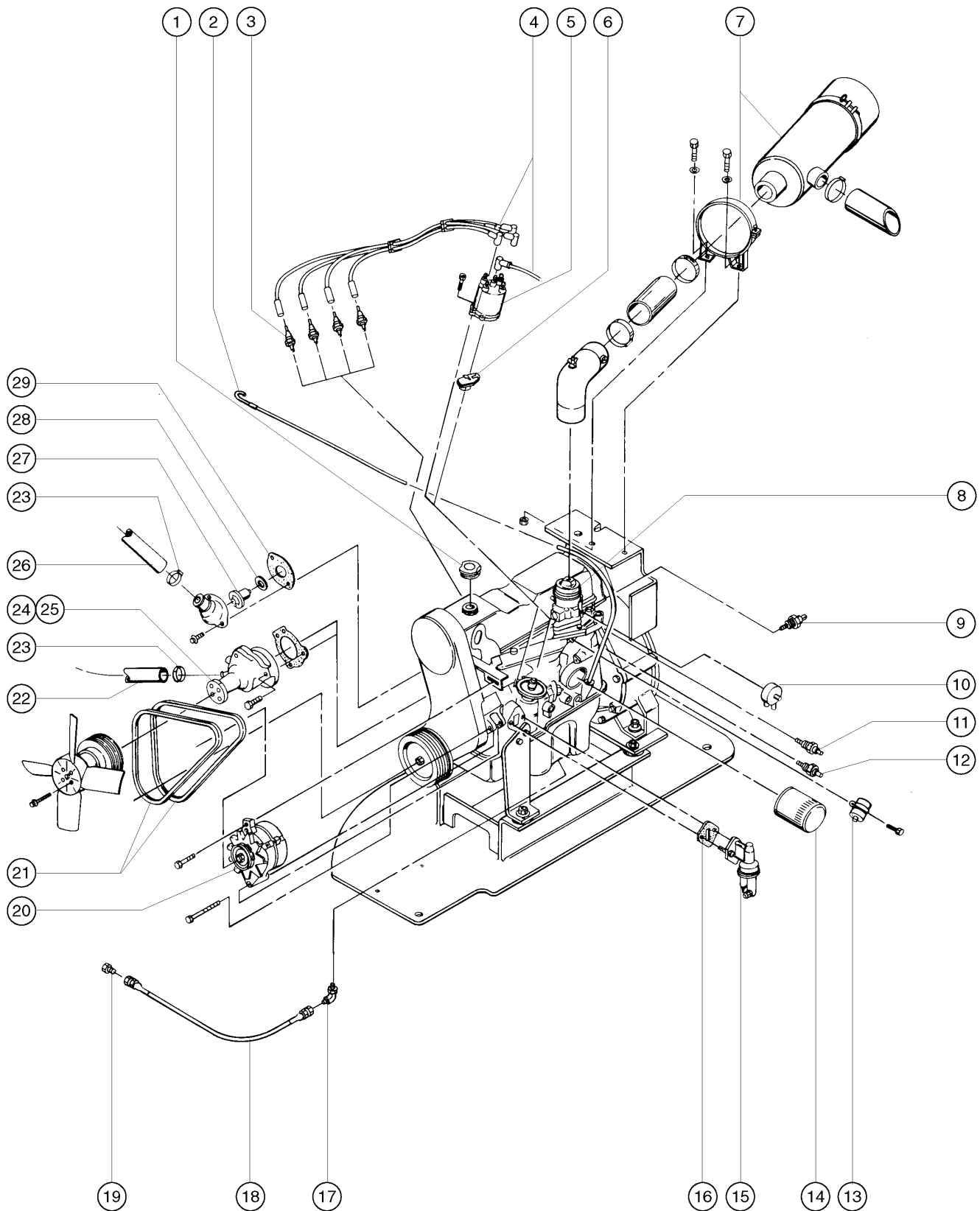
401.1 Engine Pivot Mount Components - Ford Gasoline/LPG Engine



401.1 Engine Pivot Mount Components - Ford Gasoline/LPG Engine

Item	Part No.	Description	Qty.
1	112308	SOLENOID,12V,APU.....	1
1	112379	POWER UNIT,12VDC AUX.....	1
1	38156	VALVE,RELIEF KIT,MONARCH*.....	1
1	43687	MOTOR,12VDC (42185).....	1
1	43688	PUMP ASSY., 42185.....	1
2	13000	SCREW,HHC,5/16-18 X 1.25.....	4
3	6886	WASHER,LOCK,,313.....	6
4	5397	WASHER,FLAT,USS,5/16",Y.....	13
5	45400	SPACER TUBE,,50 LG.....	4
6		Ref. Ground Controls..... <i>refer to sections 506.1 and 507.1</i>	4
7	6888	SCREW,HHC,1/4-20 X 1.....	4
8	6356	WASHER,LOCK,,25.....	2
9	21618	CLAMP,1.13,#18 X 1/4,RUB CUSH.....	1
10	8170	NUT,WING,1/4-20.....	2
11	T107827	BATTERY HOLD DOWN.....	1
12	27506	THREADED ROD,(1/4-20),8.5".....	2
13	18504	NUT,LOCKING-LG.FLANGE,1/4-20.2	
14	36872	BATTERY, 12V,900 CCA.....	1
15	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	3
16	6033	WASHER,LOCK,0.5".....	3
17	6095	WASHER,FLAT,USS,1/2",Y.....	3
18	6889	NUT,LP NYLOCK,1/4-20.....	2
19	44586	SENSOR,LEVEL 4.5***.....	1
20	25635	PAD,NYLON-12 X 2 X 0.625 INCH.....	1
21	24593P	ANGLE,SWING CHASSIS,PAINTED.....	1
22	8255	SCREW,HHC,3/8-16 X .75.....	6
23	6021	WASHER,LOCK,,375.....	4
24	25637	ENGINE PIVOT MOUNT WELDMENT.....	1
25	19331	NUT,LP NYLOCK,1-12.....	1
26	13775	WASHER,FLAT,1.063 X 2 X .134.....	1
27	25855P	BRACKET,AUX PUMP MOUNT,PAINT.....	1

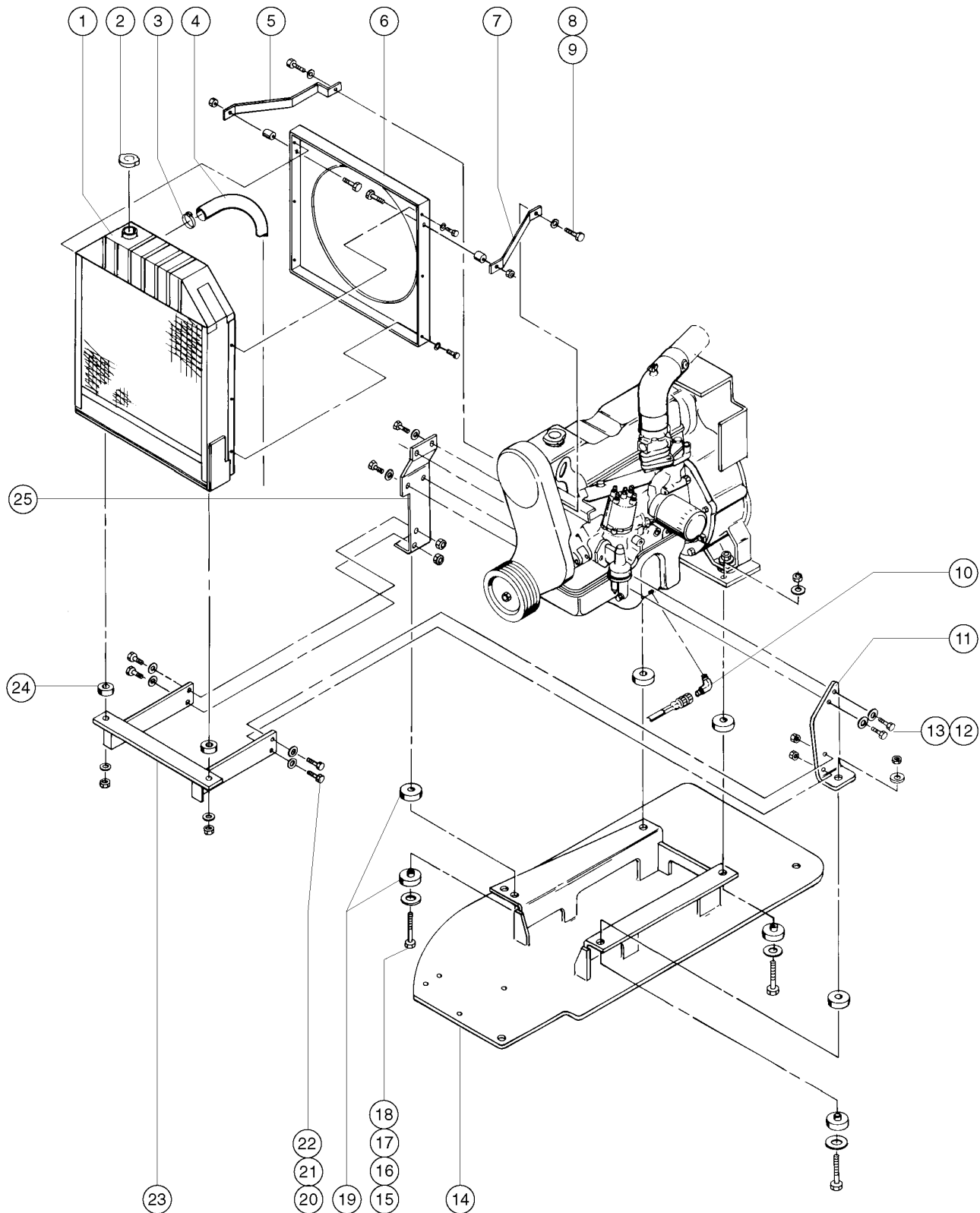
402.1 Ford LSG-423 Engine - View 1 (to SN 2538)



402.1 Ford LSG-423 Engine - View 1 (to SN 2538)

Item	Part No.	Description	Qty.
1	28658	CAP, OIL FILLER, FORD LSG423...	1
2	32969	DIPSTICK,FORD LSG-423.....	1
3	28647	SPARK PLUG,FORD.....	4
4	28648	SPARK PLUG WIRE SET, LSG 423.....	1
5	28650	CAP,DISTRIBUTOR,FORD.....	1
6	28649	ROTOR,DISTRIBUTOR,FORD.....	1
7	27915	AIR CLEANER..... <i>does NOT include mounting bands</i>	1
--	27916	FILTER,AIR,ELEMENT***	1
--	33931	MOUNTING BAND (27915)	
--	65815	CLAMP, AIR CLEANER (27915)**.... <i>clamp that holds the end cap on</i>	1
8	28714	CARB REPAIR KIT, LSG/LRG-423.....	1
9	28651	SOLENOID, ANTI-DIESELING.....	1
10	29439	COIL, AUTOMATIC CHOKE,.....	1
--	29439	COIL, AUTOMATIC CHOKE,.....	1
11	28713	SWITCH,OIL PRESSURE,CLOSED***	1
12	28663	SENDER,WATER TEMP INDICATOR.....	1
13	28662	FILTER,FUEL,LRG-423,SCREW-IN.	1
14	28656	FILTER,OIL,FORD.....	1
15	28665	PUMP,FUEL,FORD.....	1
16	28659	GASKET,FUEL PUMP,FORD.....	1
17	27210	ELBOW,90DEG.6 X 14.....	1
18	28020	HOSE ASSY,MOTOR OIL DRAIN....	1
19	19141	PLUG,MALE,070109-6.....	1
20	28716	ALTERNATOR,FORD LSG-423***	1
21	28652	BELT,V, FAN/ALT,FORD LSG423.....	2
22	28769	HOSE,BOTTOM RADIATOR,FORD.....	1
23	45171	CLAMP,HOSE,1.75,LINED.....	2
24	28666	PUMP,WATER,FORD.....	1
25	28660	GASKET,WATER PUMP,FORD.....	1
26	29770	AWP 30AC STD,('95 STYLE).....	1
27		THERMOSTAT & SEAL,FORD..... <i>no longer available from supplier</i>	1
28	28654	SEAL,THERMOSTAT,FORD.....	1
29	28653	GASKET,WATER OUTLET,FORD....	1

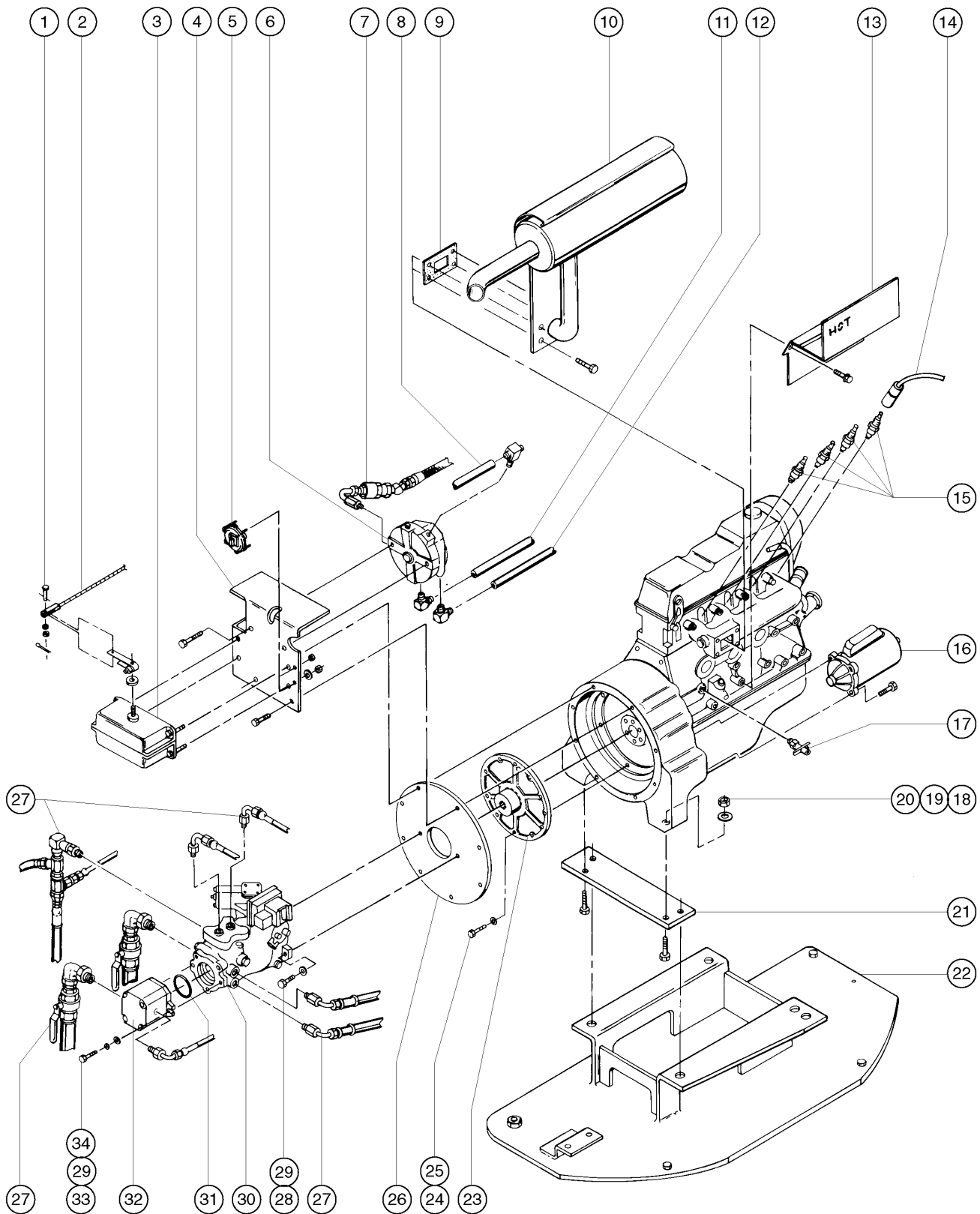
403.1 Ford LSG-423 Engine - View 2 (to SN 2538)



403.1 Ford LSG-423 Engine - View 2 (to SN 2538)

Item	Part No.	Description	Qty.
1	27942	RADIATOR,FORD (LSG).....	1
1	28717	VALVE,DRAIN,FORD,BLOCK,RAD..	1
2	27943	CAP,RADIATOR,FORD***	1
3	45171	CLAMP,HOSE,1.75,LINED.....	1
4	28770	HOSE,TOP RADIATOR,FORD.....	1
5	27022P	MOUNT,RAD.SUPPT.,RH,PAINTED.	1
6	27639P	RADIATOR SHROUD,PAINTED.....	1
7	27023P	STRUT,LH,FORD RAIATOR,PAINTED.....	1
8	6175	SCREW,HHC,3/8-16 X 1.....	2
9	6021	WASHER,LOCK, .375.....	2
10	19141	PLUG,MALE,070109-6.....	1
10	27210	ELBOW,90DEG.6 X 14.....	1
10	28020	HOSE ASSY,MOTOR OIL DRAIN....	1
11	25569P	BRKT,ENG.MNT.,FORD INBOARD.....	1
12	27034	SCREW,HHC,M10 X 25MM,GR 8.8.....	4
13	22700	WASHER,LOCK,M10.....	4
14	25637	ENGINE PIVOT MOUNT WELDMENT.....	1
15	8357	SCREW,HHC,1/2-13 X 3.5.....	4
16	24040	WASHER,1/2 PLATE(1/2X2.25X3/16.....	8
17	6095	WASHER,FLAT,USS,1/2",Y.....	4
18	6198	NUT,NYLOCK,1/2-13.....	4
19	24037	SHOCK MOUNT,LARGE**.....	4
20	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	4
21	6097	WASHER,FLAT,USS,3/8",Y.....	4
22	4828	NUT,NYLOCK,3/8-16.....	4
23	27640	WELDMENT,RADIATOR MOUNT....	1
24	24038	SHOCK MOUNT,SMALL.....	2
25	25568P	BRKT,ENG.MNT.,FORD OUTBOARD.....	1

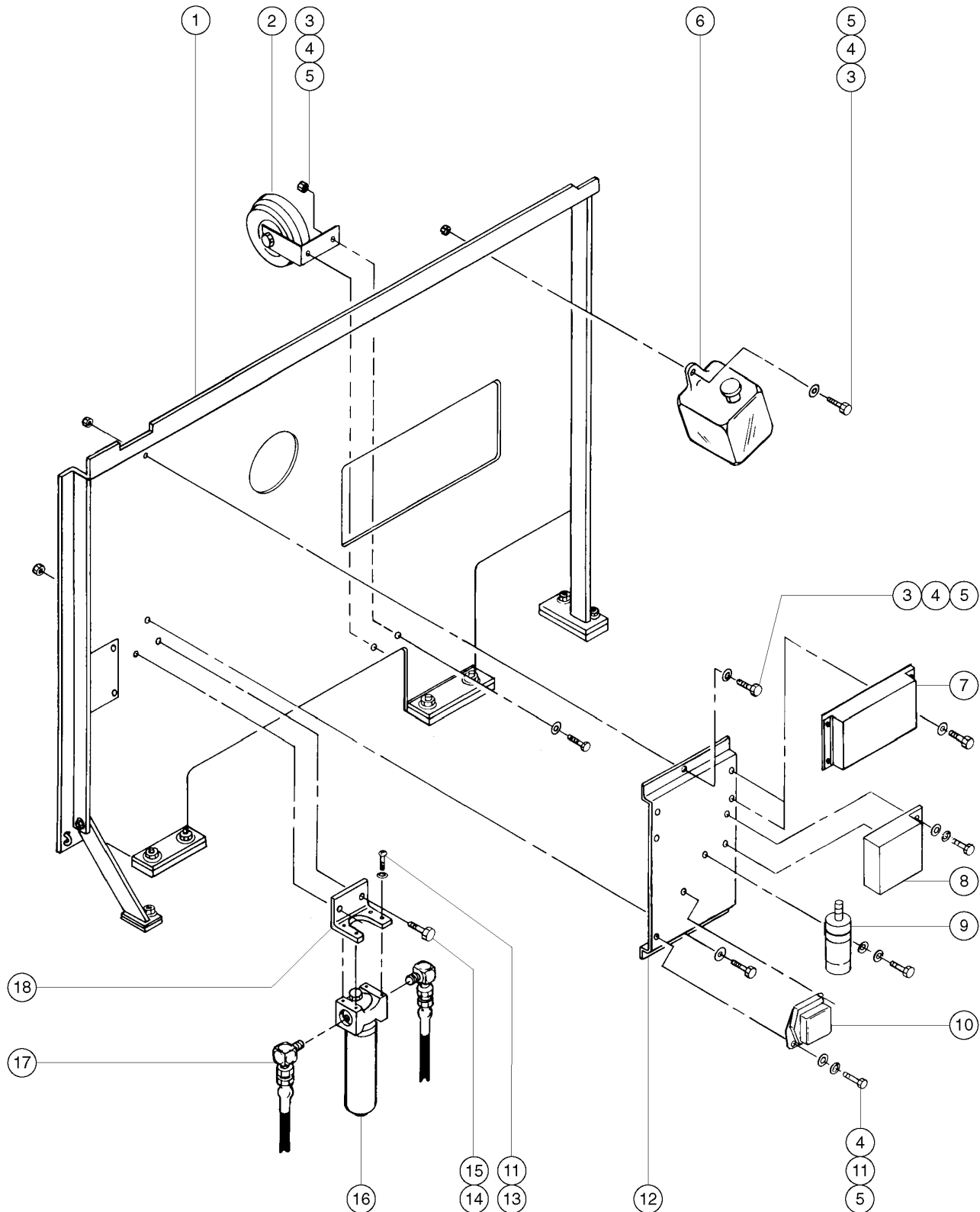
404.1 Ford LSG-423 Engine - View 3 (to SN 2538)



404.1 Ford LSG-423 Engine - View 3 (to SN 2538)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28718	BELT,TIMING,FORD LSG-423**		24	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	8
1	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....	1	25	6021	WASHER,LOCK,.375.....	8
		<i>includes clevis pin</i>		26	25571P-S	PLATE,PUMP MOUNT,FORD,PAINTED.....	1
2	30785-1500	THREADED ROD,1/4-28 X 15 IN***.....	1	27		Ref. Hydraulic Hoses & Fittings.....	1
3	27917	GOVERNOR,MECHNCL,FORD LSG423.....	1			<i>refer to section 508.1</i>	
4	25854P	BRACKET,AIR FILTER,FORD,PT'D.....	1	28	8177	SCREW,HHC,1/2-13 X 1.5.....	2
5	22278	SWITCH,VACUUM.....	1	29	6033	WASHER,LOCK,0.5".....	4
6	24551	REGULATOR,LPG,BEAM #120A.....	1	30	29739	SEAL KIT,SAUER-DANFOSS M46***.....	1
6	32768	REGULATOR DIAPH.KIT BEAM 120A.....	1	30	32611	SHAFT,M46 15 TOOTH.....	1
7	27010	VALVE,LOCK OFF,BEAM #FL-418.....	1	30	49770	PUMP,M46/GEAR,2.8/.67***.....	1
8		Ref. Hose -5/8 x 9.5 inches (24 cm), Regulator to Carburetor Venturi.....	1	31	29436	O-RING***.....	1
9	27142	GASKET,EXHAUST.....	1	32	31249	SEAL KIT,LIFT PUMP**.....	1
10	48440	MUFFLER,EXH,FORD,Z-45 ONLY **.....	1	32	54222	PUMP,PIGGY BACK,.67 C.I.,Z45IC.....	1
11		Ref. Hose -3/8 x 25 inches (63.5 cm), Regulator to Intake Manifold.....	1	33	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	2
12		Ref. Hose -3 8 x 19.5 inches (50 cm), Regulator to Water Pump.....	1	34	13066	WASHER,FLAT,.5 HARDENED.....	2
13	27342P	BRACKET,EXHAUST GUARD,PAINTED.....	1				
14	28648	SPARK PLUG WIRE SET, LSG 423.....	1				
15	28647	SPARK PLUG,FORD.....	4				
16	29606	RING GEAR,FORD***.....	1				
16	29616	STARTER,ENGINE,FORD LSG/LRG***.....	1				
17	28717	VALVE,DRAIN,FORD,BLOCK,RAD..	1				
18	6096	SCREW,HHC,1/2-13 X 2 GR5.....	4				
19	6095	WASHER,FLAT,USS,1/2",Y.....	7				
20	6198	NUT,NYLOCK,1/2-13.....	2				
21	25572P	PLATE,ENG.MNT.,FORD.....	1				
22	25637	ENGINE PIVOT MOUNT WELDMENT.....	1				
23	28836	COUPLING,FLYWHEEL,FL 15T 12.5".....	1				
23	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....	1				

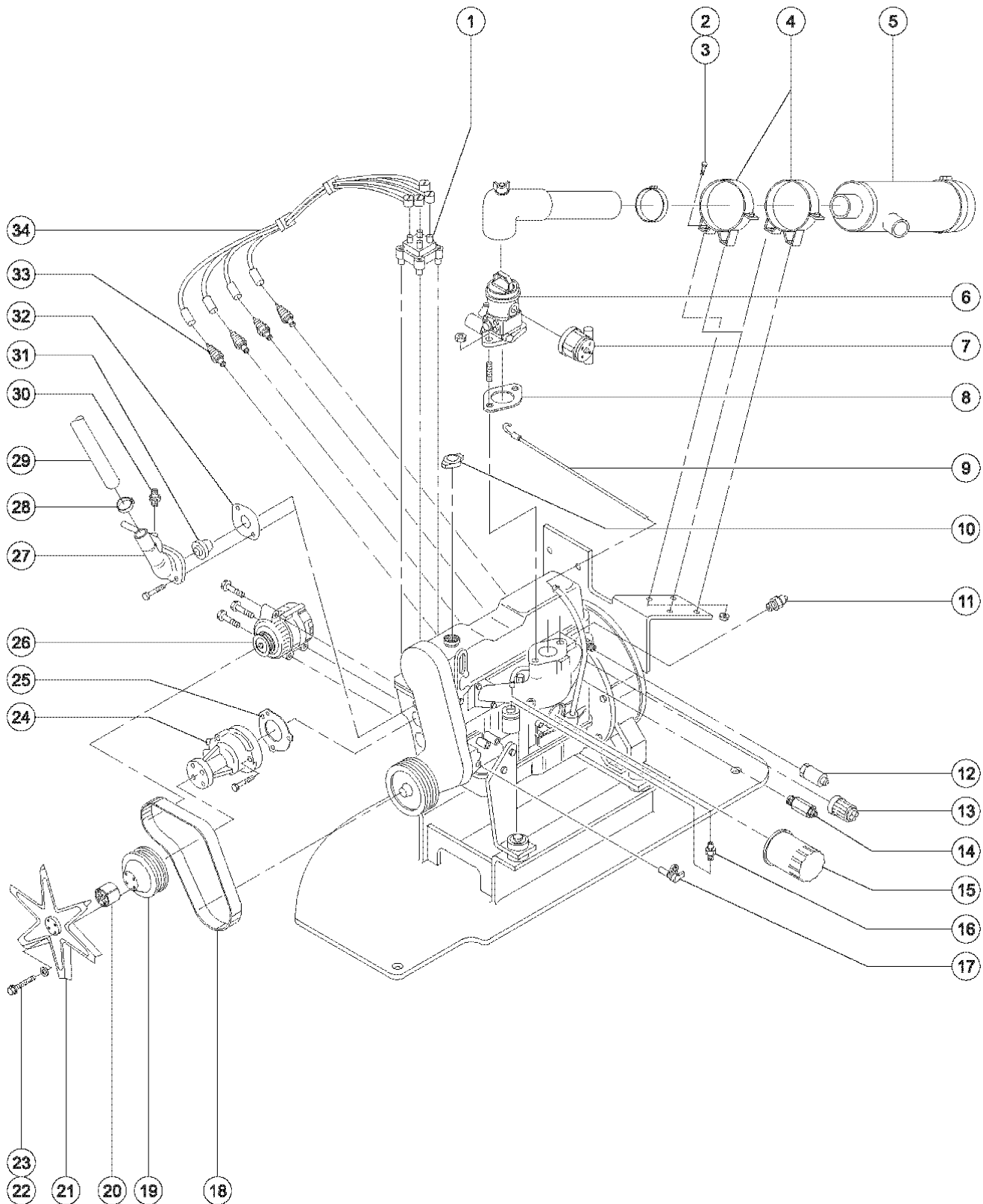
405.1 Ford LSG-423 Engine - View 4 (to SN 2538)



405.1 Ford LSG-423 Engine - View 4 (to SN 2538)

Item	Part No.	Description	Qty.
1		Ref. Weldment - Bulkhead, Engine Side <i>refer to section 507.1</i>	
2	56264	HORN,12V SCREW TERMINAL ***.....	1
3	6091	NUT,NYLOCK,1/4-20.....	5
4	6638	WASHER,FLAT,USS,1/4"Y.....	9
5	6090	SCREW,HHC,1/4-20 X .75.....	14
6	54071	COOLANT RETURN SYSTEM,Z45***.....	1
7	27908	GOVERNOR,CNTRLR,FORD,LSG 423.....	1
8	27922	IGNITION, ELECTRONIC, FORD....	1
9	28664	COIL, IGNITION,FORD.....	1
10	27919	REGULATOR, VOLTAGE, Z45GP91.....	1
11	6356	WASHER,LOCK,.25.....	11
12	31250	IGNITION MODULE MTG.PLATE ASSY.....	1
13	7339	SCREW,HHC,1/4-20 X .5.....	2
14	6175	SCREW,HHC,3/8-16 X 1.....	2
15	4828	NUT,NYLOCK,3/8-16.....	2
16	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
17		Ref. Hydraulic Hoses & Fittings..... <i>refer to section 508.1</i>	1
18	20517P	BRACKET-FILTER MNT.-PAINTED.....	1

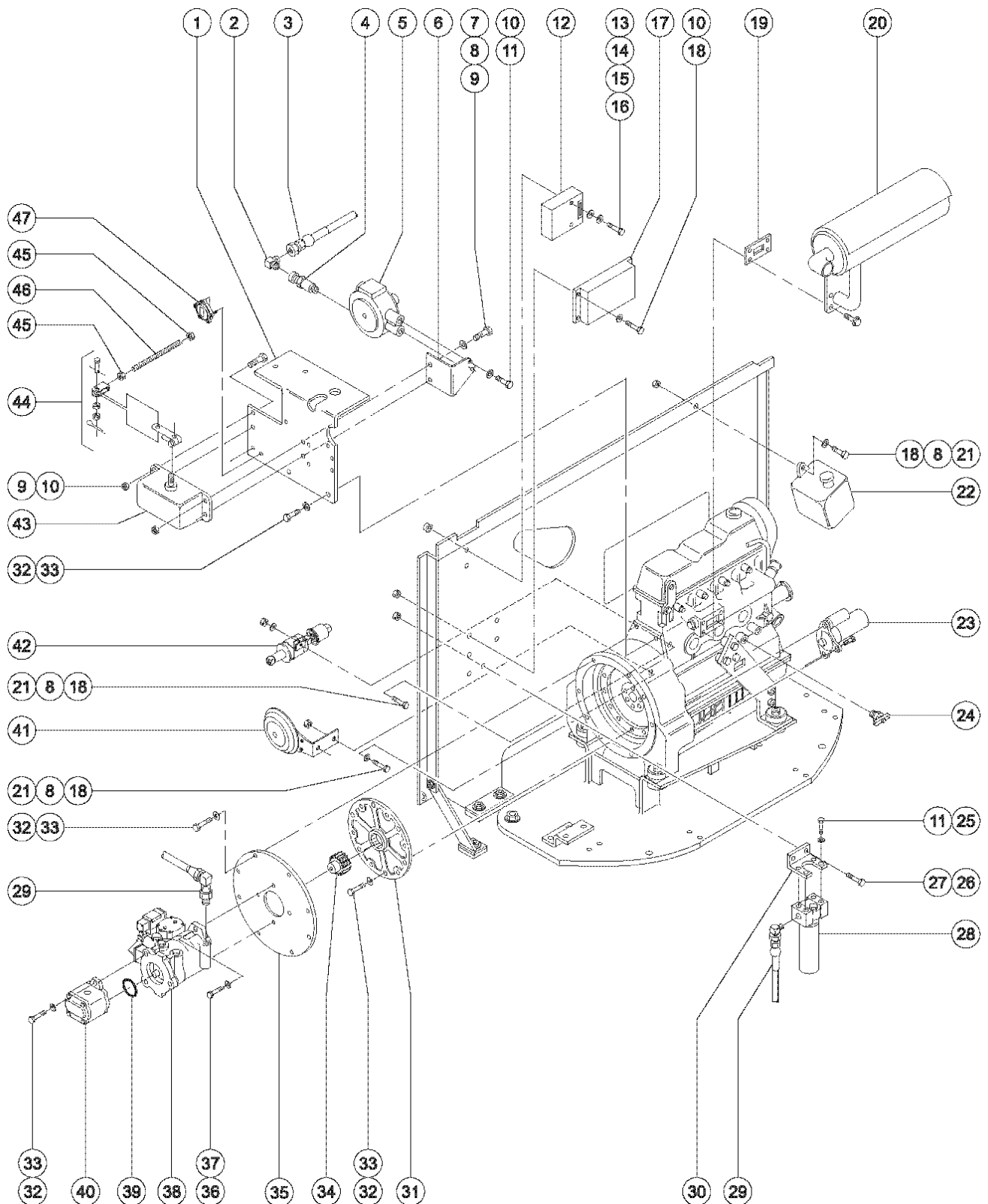
406.1 Ford LRG-423 Engine - View 1 (from SN 2539 to 7600)



406.1 Ford LRG-423 Engine - View 1 (from SN 2539 to 7600)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	58480	ENGINE BLOCK,FORD,GAS,LRG 423*		26	33960	ALTERNATOR,LRG-423 RE-BUILT*.....	1
1	33970	COIL, ELECTRONIC IGN., FORD...	1	--	52079	REGULATOR - VOLTAGE, LRG-423.....	1
2	18506	5/16-18 X .75 LG.FLG.LCK.SCREW.....	4	--	52080	BRUSH HOLDER ASSY, ALT,LRG423.....	1
3	6002	NUT,LP NYLOCK,5/16-18.....	4	27	52007	THERMOSTAT HOUSING - LRG-423.....	1
4	53952	BRKT,AIR CLEANER ORIENTATION**.....	1	28	35434	CLAMP,HOSE,2.00***.....	2
5	27915	AIR CLEANER.....	1	29	33965	HOSE, UPPER RADIATOR.....	1
--	27916	FILTER,AIR,ELEMENT***.....	1	30	33972	SENSOR,COOLANT TEMP*.....	1
--	65815	CLAMP, AIR CLEANER (27915)**..... <i>clamp that holds the end cap on</i>	1	31	33966	THERMOSTAT, FORD LRG.....	1
6	33958	CARBURETOR,FORD-LRG 423,AUTO**.....	1	32	28653	GASKET,WATER OUTLET,FORD....	1
--	28714	CARB REPAIR KIT, LSG/LRG-423.....	1	33	28647	SPARK PLUG,FORD.....	4
7	29439	COIL, AUTOMATIC CHOKE,.....	1	34	58928	WIRE SET (LRG 423) LG SET**.....	1
8	52006	GASKET,CARBURETOR, LRG-423.....	1				
9	33955	DIPSTICK, FORD LRG 423.....	1				
10	49881	OIL FILLER CAP FOR LRG ENGINE.....	1				
11	28651	SOLENOID, ANTI-DIESELING.....	1				
12	30810	SENDING UNIT,OIL PRESSURE***..... <i>dual-terminal sender</i>	1				
13	34058	SENDING UNIT,TMP,FRD,GM,PRK704.....	1				
14	28662	FILTER,FUEL,LRG-423,SCREW-IN.	1				
15	28656	FILTER,OIL,FORD.....	1				
16	33957	VALVE,PCV-FORD LRG***.....	1				
17	33968	SENSOR, CRANK POSITION.....	1				
18	33961	SERPENTINE BELT.....	1				
19	52078	PULLEY,FORD ENGINE,LRG-423***.....	1				
20	52077	SPACER,FAN TO WATERPUMP LRG423.....	1				
21	52076	FAN, LSG423/LRG425.....	4				
22		Ref. Screw - M8 x 70 mm.....	4				
23	6886	WASHER,LOCK,.313.....	4				
24	33963	PUMP, WATER, WITH GASKET..... <i>includes index number 25</i>	1				
25	33964	GASKET, WATER PUMP.....	1				

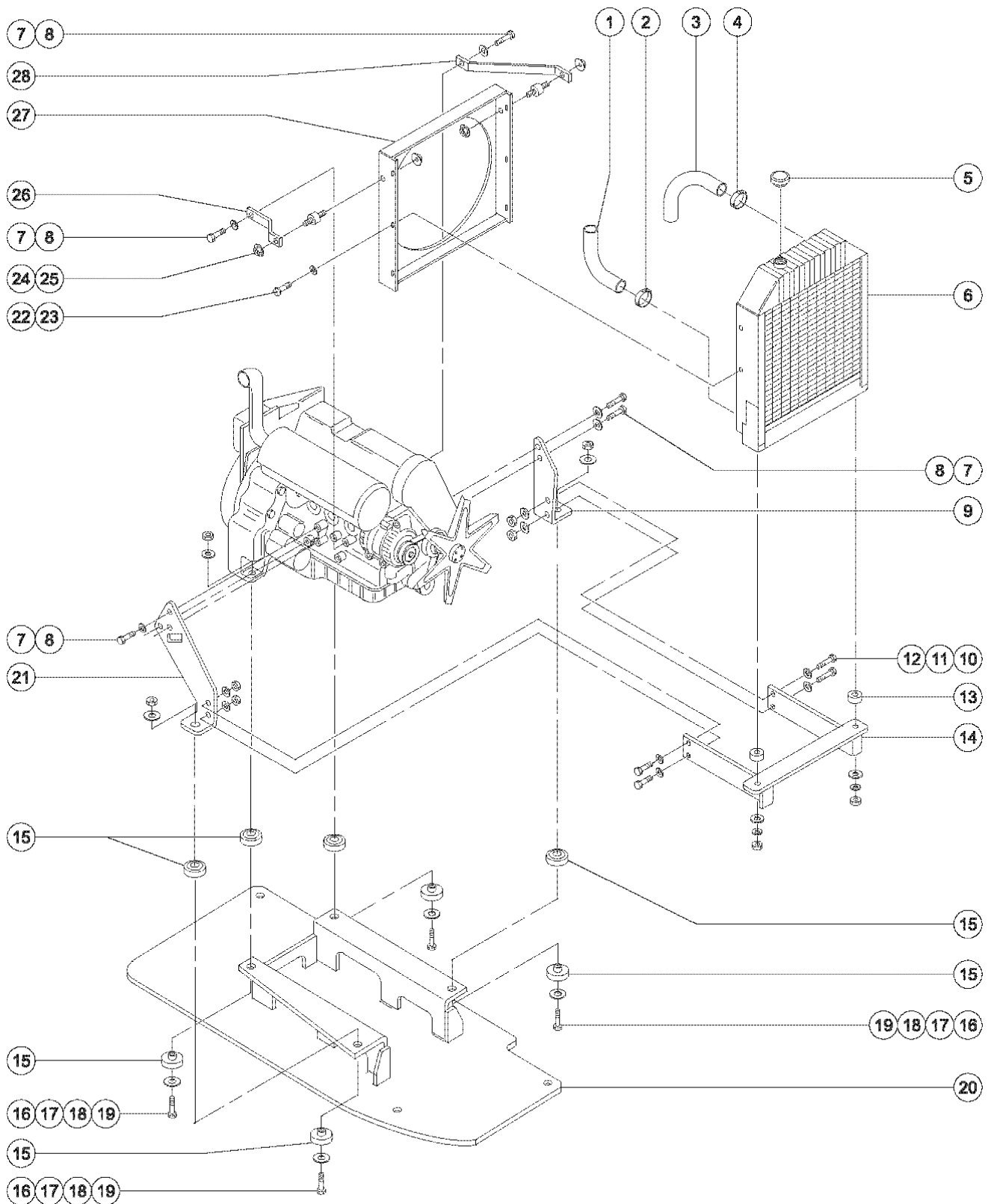
407.1 Ford LRG-423 Engine - View 2 (from SN 2539 to 7600)



407.1 Ford LRG-423 Engine - View 2 (from SN 2539 to 7600)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*		28	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....	1
--	65770	BELT,TIMING,FORD LRG423/425EFI		--	20880	FILTER ELEMENT-10 MIC.*** <i>component of filter assy p/n 20879 (no longer sold)</i>	1
1	33715P	BRACKET,AIR FLTR/GOV.MT,PAINTD.....	1	--	60857	FILTER,ELEMENT,BETA(5)=1000.... <i>for 77139</i>	1
2	36203	ELBOW,90DEG.3/8MPT-5/8 BARB.....	1	29		Ref. Hydraulic Hoses and Fittings.... <i>refer to section 510.1</i>	1
3	25967	HOSE ASSEMBLY,LP GAS-86" LNG**.....	1	30	20517P	BRACKET-FILTER MNT.-PAINTED.....	1
4	27010	VALVE,LOCK OFF,BEAM #FL-418.....	1	31	33024	FLYWHEEL FLANGE,GREEN PLASTIC.....	1
5	22279	REGULATOR,LPG BEAM 60***.....	1	32	6175	SCREW,HHC,3/8-16 X 1.....	18
5	32768	REGULATOR DIAPH.KIT BEAM 120A.....	1	33	6021	WASHER,LOCK,,375.....	18
6	31351P	BRACKET,LP REG.MOUNT,PAINTED.....	1	34	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....	1
7	8915	SCREW,HHC,1/4-20 X 1.25.....	2	35	25571P-S	PLATE,PUMP MOUNT,FORD,PAINTED.....	1
8	6638	WASHER,FLAT,USS,1/4"Y.....	6	36	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2
9	6889	NUT,LP NYLOCK,1/4-20.....	4	37	6033	WASHER,LOCK,0.5".....	2
10	6888	SCREW,HHC,1/4-20 X 1.....	8	38	22965	EDC ASSY,SAUER,M46***.....	1
11	6356	WASHER,LOCK,,.25.....	6	38	29739	SEAL KIT,SAUER-DANFOSS M46***.....	1
12	128658	KIT,LRG423 IGNITION MODULE.....	1	38	32611	SHAFT,M46 15 TOOTH.....	1
13	18543	SCREW,FILLISTER HM,8-32 X 1.5.....	2	38	49770	PUMP,M46/GEAR,2.8/.67***.....	1
14	6607	WASHER,LOCK,#10 PLTD.....	2	39	29436	O-RING***.....	1
15	6146	WASHER,FLAT,MS,#10,Y.....	2	40	54222	PUMP,PIGGY BACK,.67 C.I.,Z45IC.....	1
16	35444	GROMMET NUT,PLASTIC.....	2	--	77990	KIT,SEAL,3CC PUMP***.....	1
17	34935	GOVERNOR,CNTRLR,FORD,LRG 423.....	1	41	56264	HORN,12V SCREW TERMINAL ***.....	1
18	6091	NUT,NYLOCK,1/4-20.....	9	42	46164	FUEL PUMP KIT,FORD LRG 423***.....	1
19	27142	GASKET,EXHAUST.....	1	43	34936	GOVERNOR,ACTUATOR,FORD LRG423.....	1
20	48440	MUFFLER,EXH,FORD,Z-45 ONLY **.....	1	44	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN..... <i>includes clevis pin and cotter pin</i>	1
21	6090	SCREW,HHC,1/4-20 X .75.....	4	45	21496	NUT,HEX,1/4-28.....	2
22	54071	COOLANT RETURN SYSTEM,Z45***.....	1	46	30785-1500	THREADED ROD,1/4-28 X 15 IN***.....	1
23	29606	RING GEAR,FORD***.....	1	47	22278	SWITCH,VACUUM.....	1
23	29616	STARTER,ENGINE,FORD LSG/LRG***.....	1				
24	28717	VALVE,DRAIN,FORD,BLOCK,RAD..	1				
25	8914	SCREW,HHC,1/4-20 X .625.....	4				
26	8255	SCREW,HHC,3/8-16 X .75.....	2				
27	7713	NUT,LP NYLOCK,3/8-16.....	2				

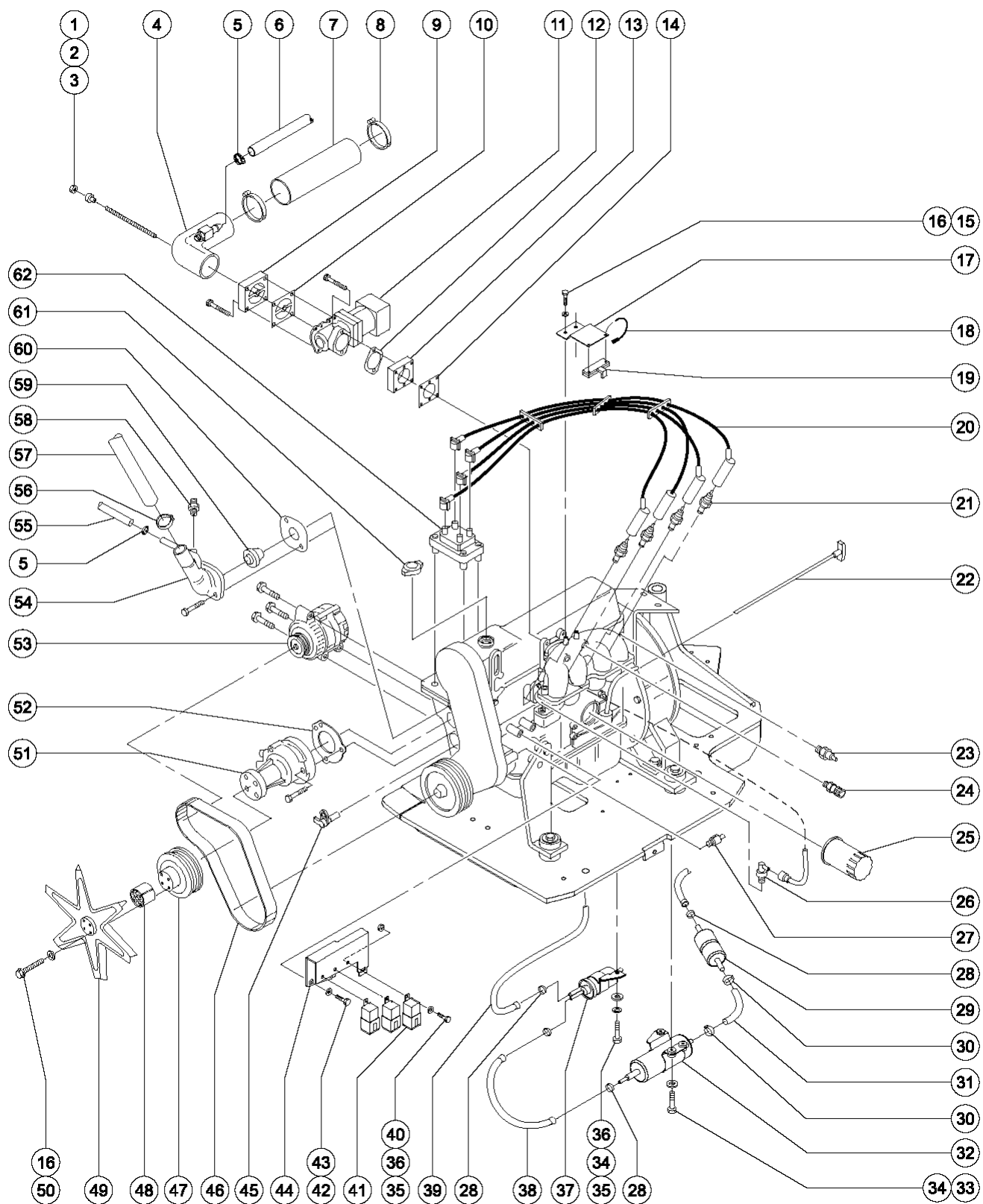
408.1 Ford LRG-423 Engine - View 3 (from SN 2539 to 7600)



408.1 Ford LRG-423 Engine - View 3 (from SN 2539 to 7600)

Item	Part No.	Description	Qty.
1	77170	HOSE,LOWER RADIATOR,Z45.....1	1
2	13014	CLAMP,HOSE,2.25" DIA.....1	1
3	33965	HOSE, UPPER RADIATOR.....1	1
4	45171	CLAMP,HOSE,1.75,LINED.....1	1
5	27943	CAP,RADIATOR,FORD***1	1
6	28717	VALVE,DRAIN,FORD,BLOCK,RAD..1	1
6	33969	RADIATOR,FORD,LRG.....1	1
7	27034	SCREW,HHC,M10 X 25MM,GR 8.8.....7	7
8	22700	WASHER,LOCK,M10.....7	7
9	25569P	BRKT,ENG.MNT.,FORD INBOARD.....1	1
10	8516	SCREW,HHC,3/8-16 X 1.50,GR5....4	4
11	6097	WASHER,FLAT,USS,3/8",Y.....8	8
12	4828	NUT,NYLOCK,3/8-16.....4	4
13	24038	SHOCK MOUNT,SMALL.....2	2
14	34929	WELDMENT,RAD MNT LRG423.....1	1
15	24037	SHOCK MOUNT,LARGE**4	4
16	8357	SCREW,HHC,1/2-13 X 3.5.....4	4
17	24040	WASHER,1/2 PLATE(1/2X2.25X3/16.....4	4
18	6095	WASHER,FLAT,USS,1/2",Y.....4	4
19	6198	NUT,NYLOCK,1/2-13.....4	4
20	25637	ENGINE PIVOT MOUNT WELDMENT.....1	1
21	33995	WELDMENT,FORD ENG MT,OUTBOARD.....1	1
22	35460	SCREW,PHM,8-32X.38,SELF TAP.....6	6
23	35461	WASHER,FLAT,MS,#8,Y.....6	6
24	18503	NUT,LOCKING-LG.FLANGE,5/16-18.4	4
25	48498	ISOLATOR,AIR FILTER MOUNT....2	2
26	34942P-S	STRUT,RH,FORD RADIATOR,PAINT.....1	1
27	34927P-S	SHROUD,RADIATOR LRG 423 BLUE**1	1
28	34943P-S	MOUNT,RAD.SUPPT,LH,BLUE.....1	1

409.1 Ford LRG-425 EFI Engine - View 1 (from SN 7601)



409.1 Ford LRG-425 EFI Engine - View 1 (from SN 7601)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	6091	NUT,NYLOCK,1/4-20.....	4	31	27089	HOSE,5/16 FUEL,SAE 30R7.....	2-inches
2	27010	VALVE,LOCK OFF,BEAM #FL-418.....	1	32	77219	PUMP, FUEL, LRG425, WALBRO....	1
3	49736	POST, ALL THREAD, 1/2-13X 9.00.....	1	33	6090	SCREW,HHC,1/4-20 X .75.....	3
4	24552	VENTURI,BEAM (FORD) ***.....	1	34	6356	WASHER,LOCK,.25.....	4
5	46131	CLAMP,HOSE,.63.....	2	35	8914	SCREW,HHC,1/4-20 X .625.....	1
6	53832	HOSE,FIRE RES.,5/8 ID,BULK.....	17-inches	36	6638	WASHER,FLAT,USS,1/4"Y.....	1
7	50799	HOSE,AIR CLEANER,FORD EFI.....	1	37	58967	FUEL PRESSURE REG,425EFI***.....	1
8	30971	CLAMP,HOSE,3.00".....	2	38	52785-S	HOSE,FUEL,HIGH PRESSURE,Z45EFI.....	1
9	48471	ADAPTER,LP VENTURI.....	1	39	52786-S	HOSE,FUEL,HIGH PRESSURE,Z45EFI.....	1
10	48477	GASKET,LP ADAPTER.....	1	40	6889	NUT,LP NYLOCK,1/4-20.....	3
11	94922	KIT,FORD EFI UPDATE,BASE***.....	1	41	52592	RELAY - LRG425 EFI.....	3
12	52577	GASKET - THROTTLE BODY, 425EFI.....	1	42	27034	SCREW,HHC,M10 X 25MM,GR 8.8.....	2
13	88455	ADAPTER,THROTTLE ACTUATOR***.....	1	43	22700	WASHER,LOCK,M10.....	2
14	52579	GASKET,ADAPTER PLATE,425EFI***.....	1	44	50574-S	BRACKET, RELAY PANEL FORD....	1
15	23057	SCREW,HHC,M8 X 20MM.....	2	45	33968	SENSOR, CRANK POSITION.....	1
16	49408	WASHER,LOCK,M8.....	6	46	52580	BELT,SERPENTINE,LRG425 EFI***.....	1
17	48475-S	BRACKET, MAP SENSOR.....	1	47	52078	PULLEY,FORD ENGINE,LRG-423***.....	1
18	21121	CABLE TIE,4" BLK,HEAT RESISTNT.....	2	48	52077	SPACER,FAN TO WATERPUMP LRG423.....	1
19	49898	MAP SENSOR, EFI.....	1	49	52076	FAN, LSG423/LRG425.....	1
20	52570	SPARK PLUG WIRE SET, LRG425EFI.....	1	50		Ref. Screw - M8 x 70 mm.....	4
21	28647	SPARK PLUG,FORD.....	4	51	33963	PUMP, WATER, WITH GASKET.....	1
21	52656	FUEL INJECTOR, LRG-425 EFI....	4	52	33964	GASKET, WATER PUMP.....	1
22	52566	DIPSTICK, OIL LEVEL,LRG425 EFI.....	1	53	33960	ALTERNATOR,LRG-423 RE-BUILT*.....	1
23	28713	SWITCH,OIL PRESSURE,CLOSED***.....	1	54	52573	THERMOSTAT HOUSING, LRG425 EFI.....	1
24	52652	SENSOR,AIR TEMP,LRG-425 EFI***.....	1	55	52762	HOSE,WATER INLET,LRG425 EFI.....	1
25	28656	FILTER,OIL,FORD.....	1	56	35434	CLAMP,HOSE,2.00***.....	1
26	33957	VALVE,PCV-FORD LRG***.....	1	57	33965	HOSE, UPPER RADIATOR.....	1
27	58900	SENSOR,CAM,EFI***.....	1	58	33972	SENSOR,COOLANT TEMP*.....	1
28	54123	CLAMP,HOSE,1 EAR, 5/8.....	4	59	33966	THERMOSTAT, FORD LRG.....	1
29	52179	FILTER, FUEL LRG 425/423 EFI....	1	60	52575	GASKET,THERM.HSNG O-RING....	1
30	21465	CLAMP,HOSE,SIZE .25 TO .63.....	2	61	49881	OIL FILLER CAP FOR LRG ENGINE.....	1

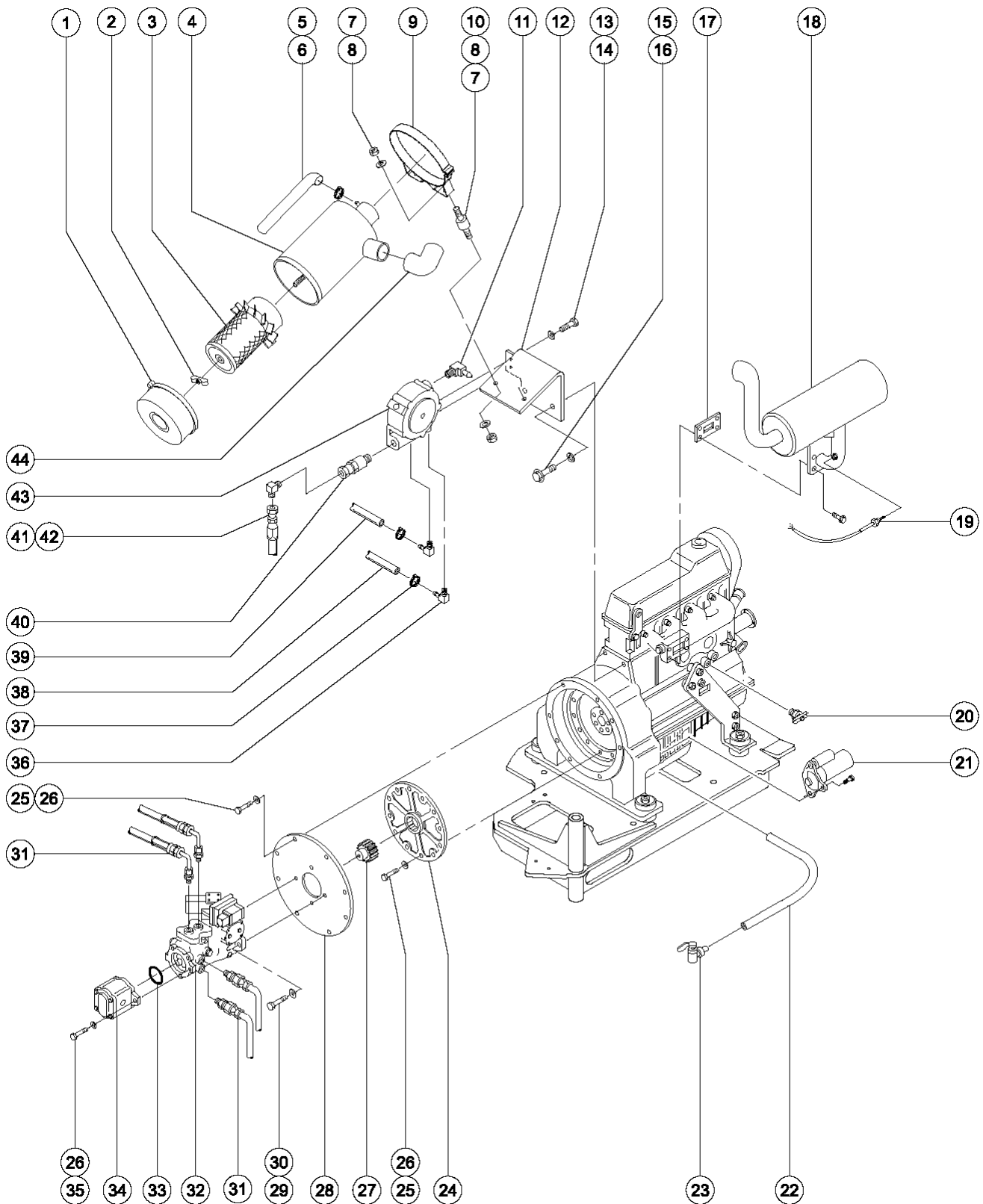
409.1 Ford LRG-425 EFI Engine - View 1 (from SN 7601)
(continued)

Item	Part No.	Description	Qty.
62	33970	COIL, ELECTRONIC IGN., FORD...1	

409.1 Ford LRG-425 EFI Engine - View 1 (from SN 7601)
(continued)

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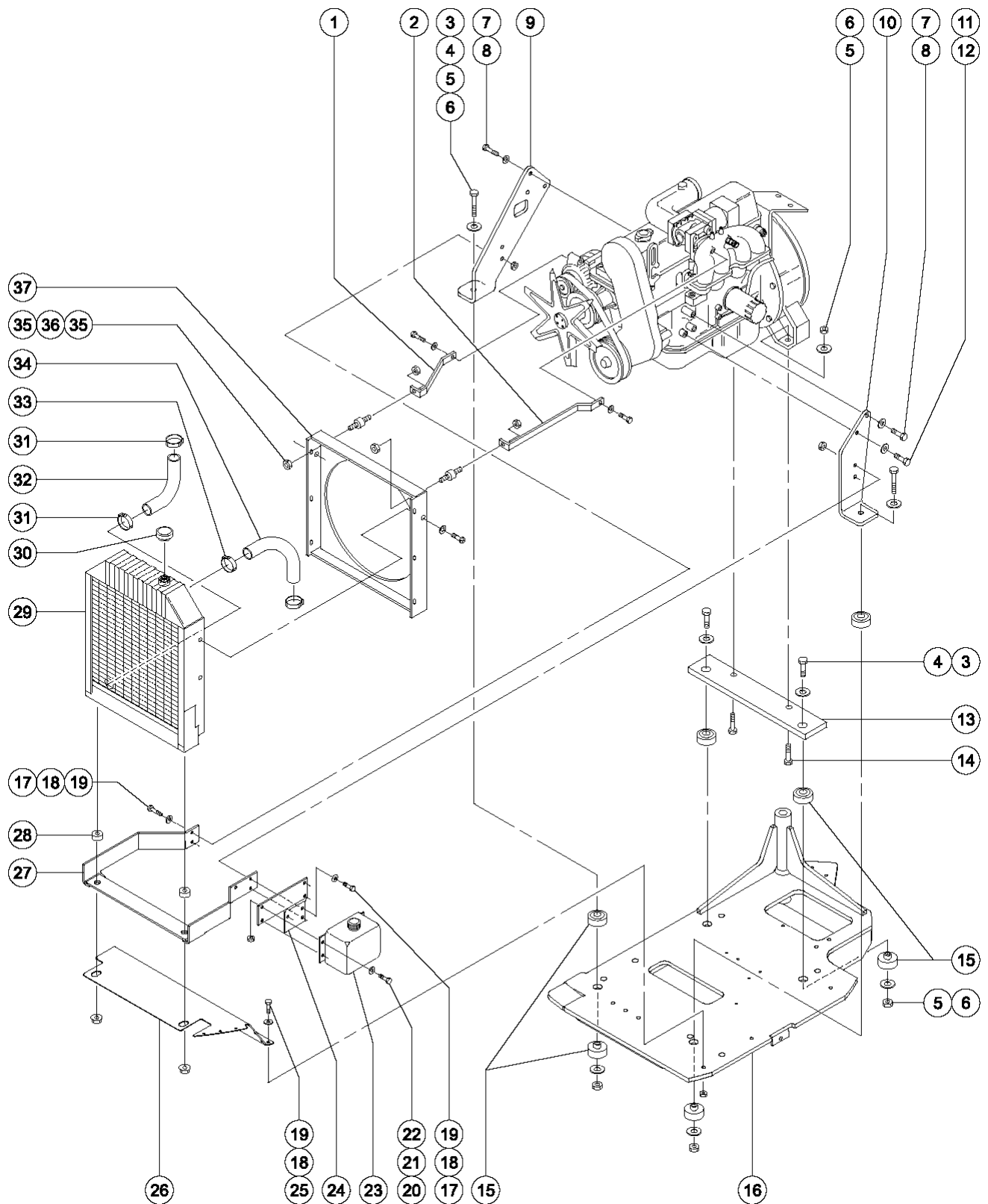
410.1 Ford LRG-425 EFI Engine - View 2 (from SN 7601)



410.1 Ford LRG-425 EFI Engine - View 2 (from SN 7601)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	58917	END CAP,AIR FILTER-27915&49740.....	1	31		Ref. Hydraulic Hoses and Fittings.....	1
2	52658	NUT - WING, AIR FILTER, 425EFI.....	1	32	22965	EDC ASSY,SAUER,M46***.....	1
3	27916	FILTER,AIR,ELEMENT***.....	1	32	27067	SEAL,SHAFT-SUNDSTRAND***.....	1
4	49740	AIR CLEANER,FORD EFI***.....	1	32	29739	SEAL KIT,SAUER-DANFOSS M46***.....	1
5	20690	HOSE,LOW PRESSURE,1/2 IDRUBBER.....	23-inches	32	32611	SHAFT,M46 15 TOOTH.....	1
6	46131	CLAMP,HOSE,.63.....	1	32	46674	PUMP,VAR.PISTON M46 2.8 CIQVP*.....	1
7	18503	NUT,LOCKING-LG.FLANGE,5/16-18.4		32	49770	PUMP,M46/GEAR,2.8/.67***.....	1
8	5397	WASHER,FLAT,USS,5/16",Y.....	4			<i>includes 2 each index number 26 and index numbers 33 through 35</i>	
9	53952	BRKT,AIR CLEANER ORIENTATION**.....	1	33	29436	O-RING***.....	1
10	48498	ISOLATOR,AIR FILTER MOUNT.....	2	34	31249	SEAL KIT,LIFT PUMP**.....	1
11	36203	ELBOW,90DEG.3/8MPT-5/8 BARB.....	1	34	54222	PUMP,PIGGY BACK,.67 C.I.,Z45IC.....	1
12	50717-S	BRACKET, AIR CLEANER ATTCHMENT.....	1	35	33988	SCREW,SHC,3/8-16 X 1.....	2
13	6090	SCREW,HHC,1/4-20 X .75.....	2	36	37017	HOSE END,90DEG,.63 HS X.25 MPT.....	2
14	6356	WASHER,LOCK,.25.....	2	37	24165	PLATE,HINGE BACK-UP.....	2
15	25548	SCREW,HHC,M10 X 40MM,GRD8.....	2	38	53832	HOSE,FIRE RES.,5/8 ID,BULK.....	41-inches
16	22700	WASHER,LOCK,M10.....	2	39	52762	HOSE,WATER INLET,LRG425 EFI.....	1
17	27142	GASKET,EXHAUST.....	1	40	27010	VALVE,LOCK OFF,BEAM #FL-418.....	1
18	50446	MUFFLER,FORD LRG EFI,Z45.....	1	41	50948	HOSE ASSEMBLY,LP GAS,106"LG.....	1
19	52564	SENSOR,O2,LRG 425 EFI***.....	1	42	19859	ELBOW,010202-6-4.....	1
20	28717	VALVE,DRAIN,FORD,BLOCK,RAD..1		43	22279	REGULATOR,LPG BEAM 60***.....	1
21	29616	STARTER,ENGINE,FORD LSG/LRG***.....	1	43	24470	REGULATOR DIAPH.KIT BEAM 50/60.....	1
22	27903	HOSE,LOW PRESSURE,.375 ID,BLK.....	29-inches	44	60036	6782,AIR INTAKE,FORD EFI.....	1
23	31702	VALVE,ENGINE OIL DRAIN.....	1				
24	37002	COUPLER,HUB,15 TOOTH 7/16BOLT*.....	1				
25	6175	SCREW,HHC,3/8-16 X 1.....	14				
26	6021	WASHER,LOCK,.375.....	16				
27	33024	FLYWHEEL FLANGE,GREEN PLASTIC.....	1				
28	25571P-S	PLATE,PUMP MOUNT,FORD,PAINTED.....	1				
29	8177	SCREW,HHC,1/2-13 X 1.5.....	2				
30	6033	WASHER,LOCK,0.5".....	2				

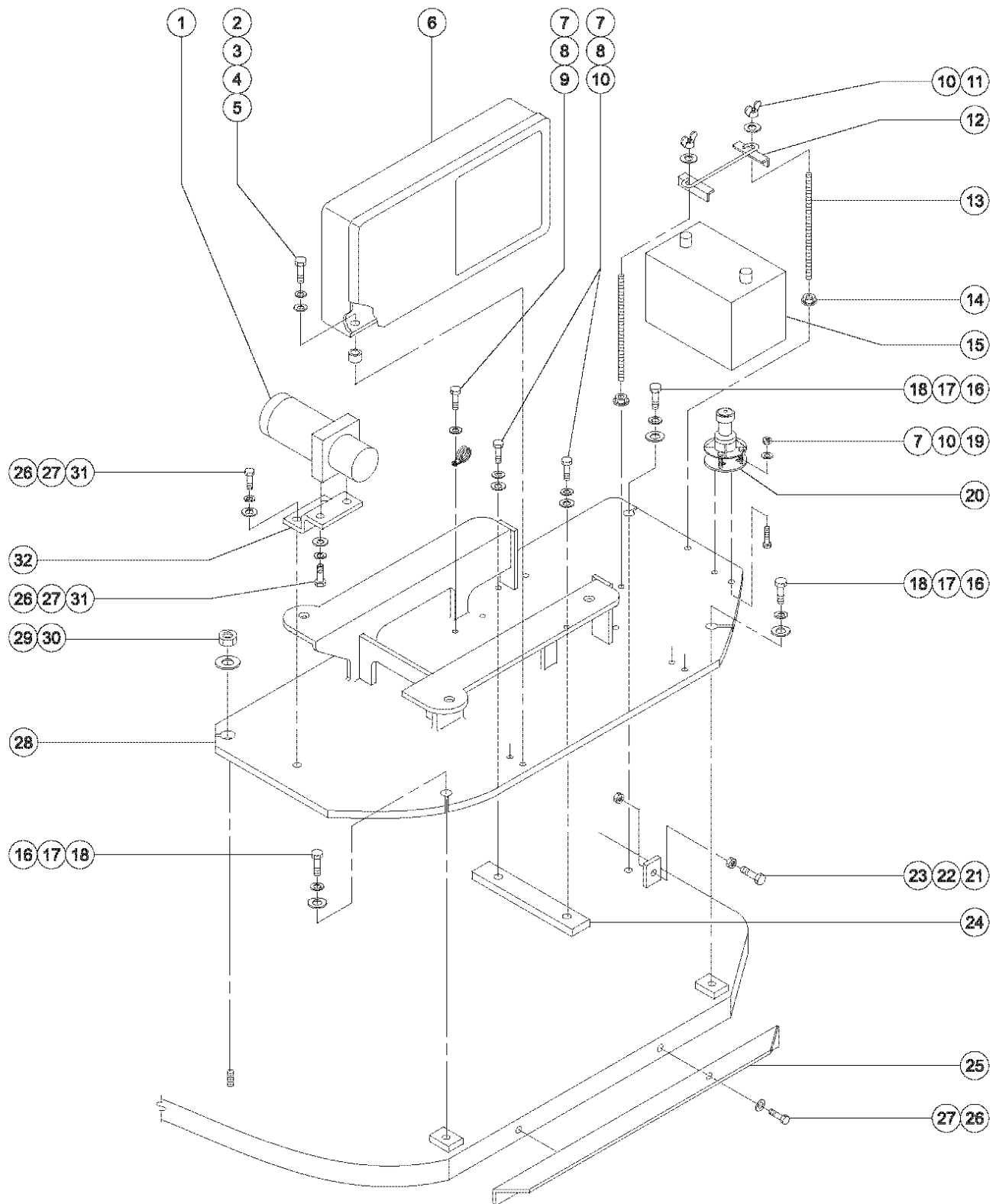
411.1 Ford LRG-425 EFI Engine - View 3 (from SN 7601)



411.1 Ford LRG-425 EFI Engine - View 3 (from SN 7601)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	50588-S	STRUT,RADIATOR RH, FORD EFI.....	1	32	77170	HOSE,LOWER RADIATOR,Z45.....	1
2	50589-S	STRUT,RADIATOR,LH,FORD,EFI....	1	33	45171	CLAMP,HOSE,1.75,LINED.....	2
3	8357	SCREW,HHC,1/2-13 X 3.5.....	4	34	33965	HOSE, UPPER RADIATOR.....	1
4	24040	WASHER,1/2 PLATE(1/2X2.25X3/16.....	2	35	18506	5/16-18 X .75 LG.FLG.LCK.SCREW.....	4
5	6095	WASHER,FLAT,USS,1/2",Y.....	2	36	48498	ISOLATOR,AIR FILTER MOUNT.....	2
6	6198	NUT,NYLOCK,1/2-13.....	2	37	50764-S	SHROUD,RADIATOR,FORD,LRG 425.....	1
7	27034	SCREW,HHC,M10 X 25MM,GR 8.8.....	7				
8	22700	WASHER,LOCK,M10.....	7				
9	23057	SCREW,HHC,M8 X 20MM.....	1				
10	49408	WASHER,LOCK,M8.....	1				
11	50709-S	ENGINE MOUNT FOOT, R.H.....	1				
12	50710-S	ENGINE MOUNT FOOT L.H.....	1				
13	50437-S	PLATE, ENGINE MNT BELL HOUSING.....	1				
14	6096	SCREW,HHC,1/2-13 X 2 GR5.....	2				
15	24037	SHOCK MOUNT,LARGE**.....	8				
16	50432-S	WELDMENT,ENGINE TRAY.....	1				
17	8516	SCREW,HHC,3/8-16 X 1.50,GR5....	4				
18	6097	WASHER,FLAT,USS,3/8",Y.....	5				
19	4828	NUT,NYLOCK,3/8-16.....	5				
20	6090	SCREW,HHC,1/4-20 X .75.....	4				
21	6638	WASHER,FLAT,USS,1/4"Y.....	4				
22	6889	NUT,LP NYLOCK,1/4-20.....	4				
23	54071	COOLANT RETURN SYSTEM,Z45***.....	1				
24	50976-S	BRACKET COOLANT TANK MT.....	1				
25	6175	SCREW,HHC,3/8-16 X 1.....	1				
26	50925-S	BAFFLE-RADIATOR,LOWER.....	1				
27	50705-S	WELDMENT, RADIATOR MOUNT.....	1				
28	24038	SHOCK MOUNT,SMALL.....	2				
29		SEAL,BAFFLE,FRONT,OUTSIDE,EFI.1 <i>component no longer available</i>					
29	28717	VALVE,DRAIN,FORD,BLOCK,RAD..	1				
29	33969	RADIATOR,FORD,LRG.....	1				
29	54166	PLATE,AIR INTAKE ADAPTER,FRD**.....	1				
30	27943	CAP,RADIATOR,FORD***.....	1				
31	13014	CLAMP,HOSE,2.25" DIA.....	2				

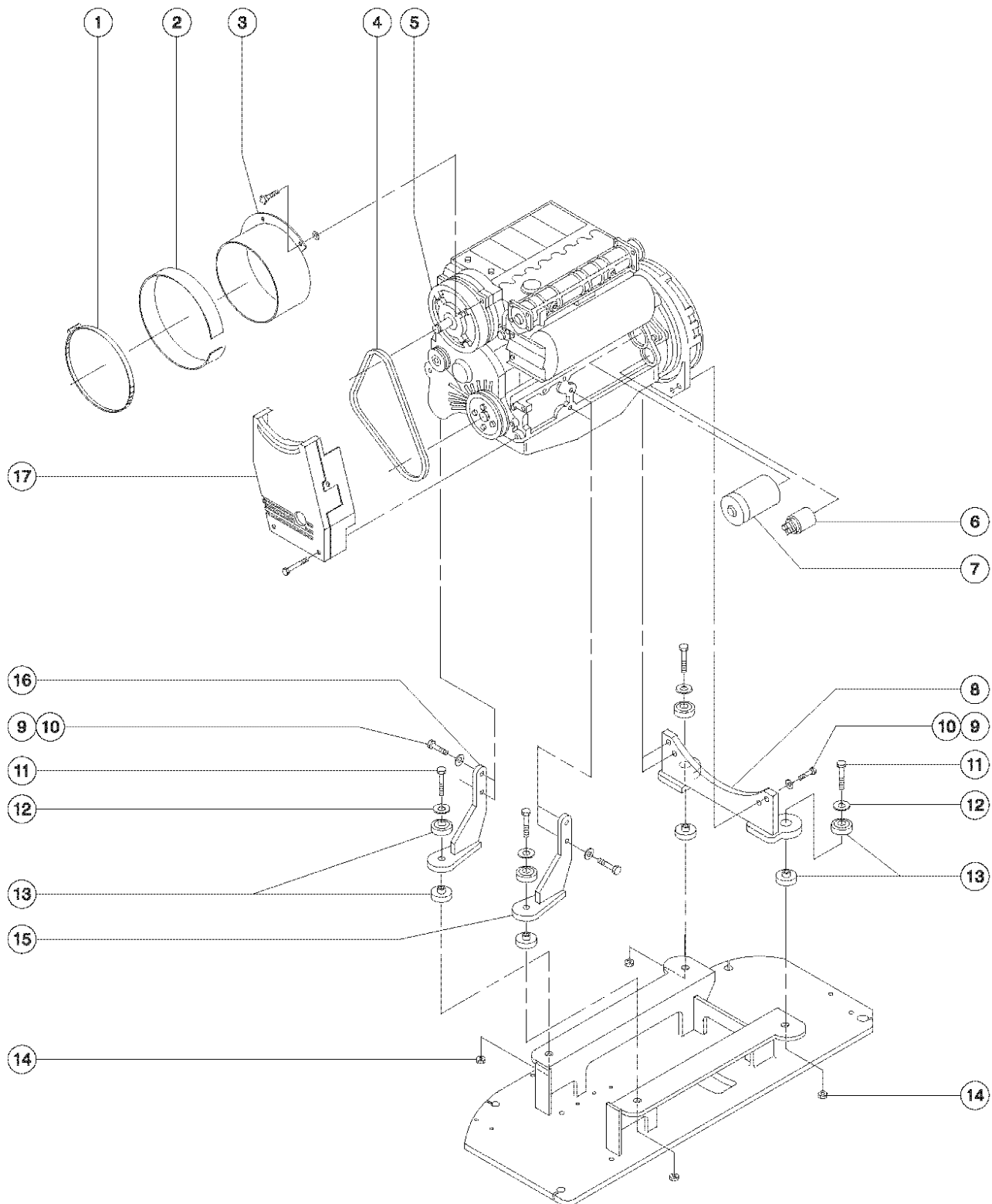
412.1 Engine Pivot Mount Components - Deutz Diesel Engine



412.1 Engine Pivot Mount Components - Deutz Diesel Engine

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	112308	SOLENOID,12V,APU.....	1	32	25855P	BRACKET,AUX PUMP	
1	112379	POWER UNIT,12VDC AUX.....	1			MOUNT,PAINT.....	1
1	38156	VALVE,RELIEF KIT,MONARCH*.....	1				
1	43687	MOTOR,12VDC (42185).....	1				
1	43688	PUMP ASSY., 42185.....	1				
2	13000	SCREW,HHC,5/16-18 X 1.25.....	4				
3	6886	WASHER,LOCK,,313.....	4				
4	5397	WASHER,FLAT,USS,5/16",Y.....	4				
5	45400	SPACER TUBE,,50 LG.....	4				
6		Ref. Ground Controls.....	1				
		<i>refer to sections 506.1 and 507.1</i>					
7	6888	SCREW,HHC,1/4-20 X 1.....	5				
8	6356	WASHER,LOCK,,25.....	3				
9	21618	CLAMP,1.13,#18 X 1/4,RUB					
		CUSH.....	1				
10	6638	WASHER,FLAT,USS,1/4"Y.....	6				
11	8170	NUT,WING,1/4-20.....	2				
12	T107827	BATTERY HOLD DOWN.....	1				
13	27506	THREADED ROD,(1/4-20),8.5".....	2				
14	18504	NUT,LOCKING-LG.FLANGE,1/4-20.2					
15	36872	BATTERY, 12V,900 CCA.....	1				
16	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....	3				
17	6033	WASHER,LOCK,0.5".....	3				
18	6095	WASHER,FLAT,USS,1/2",Y.....	3				
19	6889	NUT,LP NYLOCK,1/4-20.....	2				
20	44586	SENSOR,LEVEL 4.5***.....	1				
21	13918	SCREW,HHC,3/8-16 X					
		1.75,GRD.8.....	1				
22	4828	NUT,NYLOCK,3/8-16.....	1				
23	7713	NUT,LP NYLOCK,3/8-16.....	1				
24	25635	PAD,NYLON-12 X 2 X 0.625					
		INCH.....	1				
25	24593P	ANGLE,SWING					
		CHASSIS,PAINTED.....	1				
26	8255	SCREW,HHC,3/8-16 X .75.....	6				
27	6021	WASHER,LOCK,,375.....	6				
28	43946	WELDMENT SET,DEUTZ ENGINE					
		BASE.....	1				
		<i>from SN 5582</i>					
29	19331	NUT,LP NYLOCK,1-12.....	1				
30	13775	WASHER,FLAT,1.063 X 2 X .134.....	1				
31	6097	WASHER,FLAT,USS,3/8",Y.....	4				

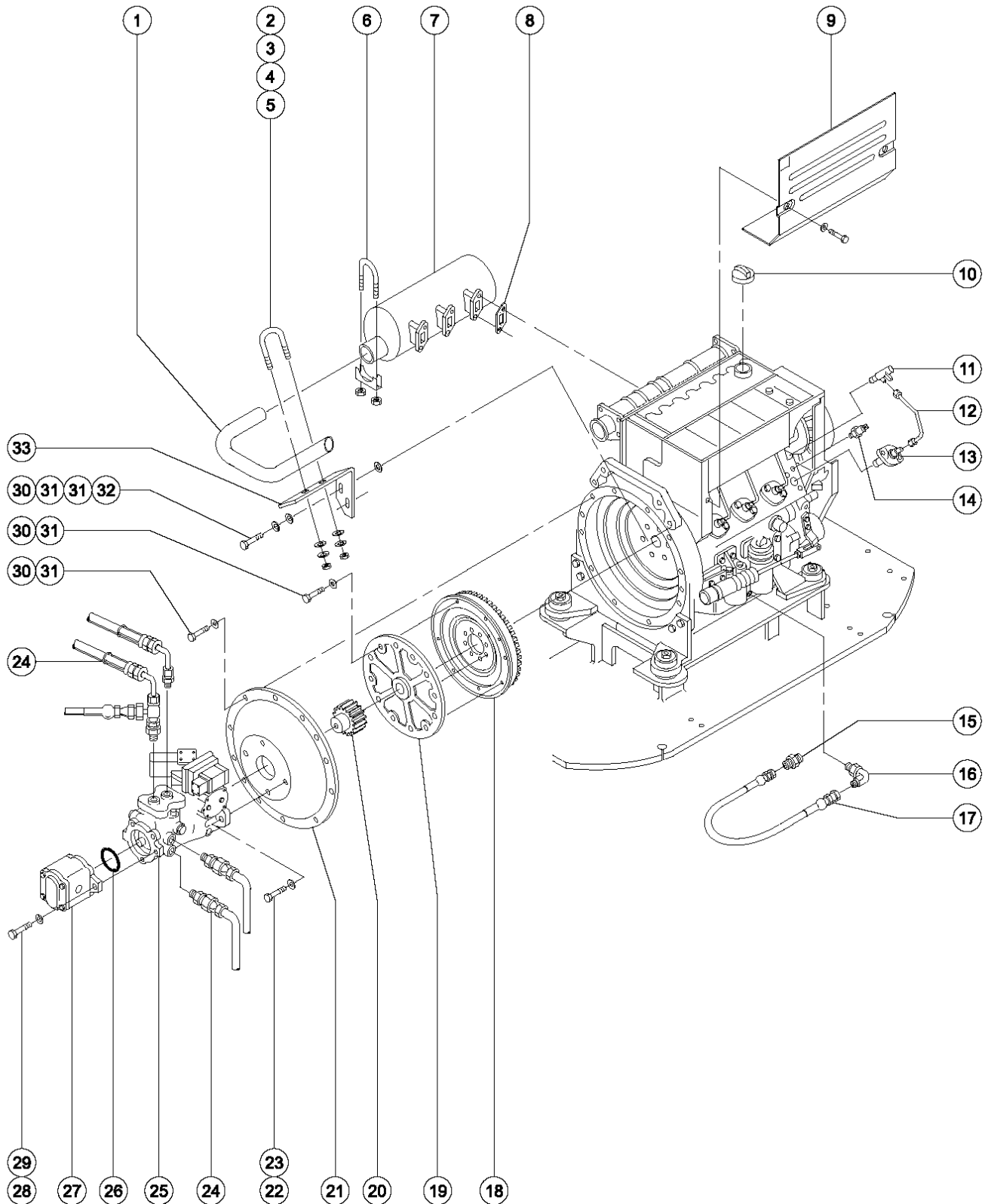
413.1 Deutz F3L 1011F Engine - View 1 (from SN 2833)



413.1 Deutz F3L 1011F Engine - View 1 (from SN 2833)

Item	Part No.	Description	Qty.
1	31523	CLAMP,HOSE,8.50 DIA***.....	1
2	33239	SHEET,RUBBER,AIR INTAKE.....	1
3	33201P	WELDMENT,AIR INTAKE TUBE,GRAY.....	1
4	32698	BELT,V, DEUTZ DIESEL ENGINE....	1
5	35586	ALTERNATOR, DEUTZ F3L10/F4L10*.....	1
6	49915	SOLENOID-STARTR DEUTZF4L1011F*.....	1
7	139709	STARTER, 12V <i>9 tooth; inspect old starter before ordering (includes item 6)</i>	
7	37950	STARTER,DEUTZ,F4L1011F/F3L1011.1 <i>11 tooth; inspect old starter before ordering (includes item 6)</i>	
8	43728	FOOT WELDMENT,DEUTZ ENGINE..... <i>from SN 5582</i>	1
9	34265	SCREW,HHC,M14 X 55.....	8
10	37505	WASHER,LOCK,M14.....	8
11	47186	SCREW,HHC,5/8-11 X 4.5.....	4
12	33418	WASHER,FLAT,.625 X 2.25 X.15....	4
13	28076	ISOLATOR,VIBRATION,LG,RD&WH***.4	
14	6024	NUT,NYLOCK,5/8-11.....	4
15	32748	WELMENT,DEUTZ ENGINE MOUNT..... <i>from SN 5582</i>	1
16	32749	WELDMENT,DEUTZ ENGINE MOUNT..... <i>from SN 5582</i>	1
17	29555	COVER,FRONT DEUTZ ENGINE....	1

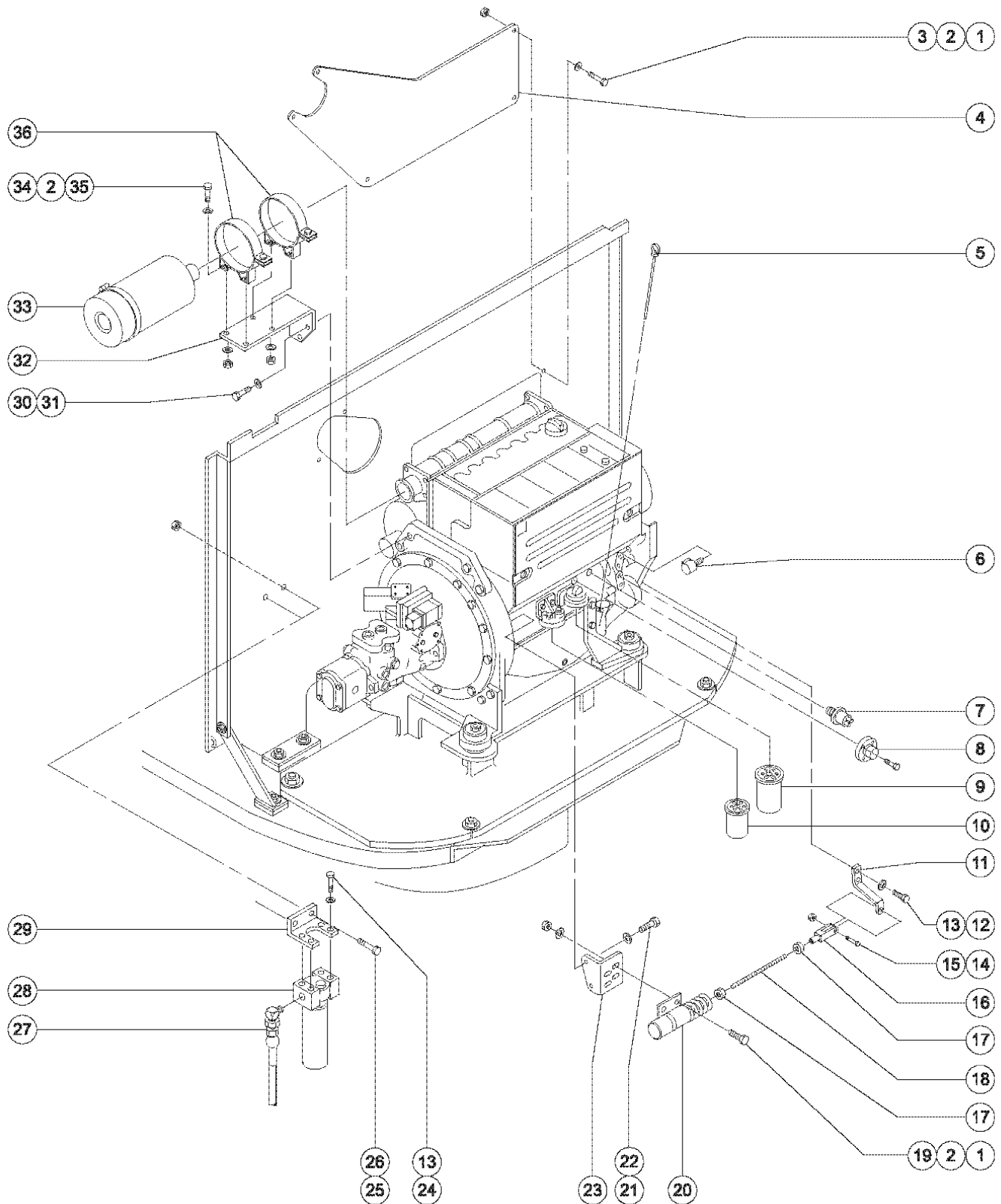
414.1 Deutz F3L 1011F Engine - View 2 (from SN 2833)



414.1 Deutz F3L 1011F Engine - View 2 (from SN 2833)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--		(please verify ring gear thickness) 0.46 inches		25	22965	EDC ASSY,SAUER,M46***.....1	
--	58176	BELT,TIMING,DEUTZ F3L1011F		25	27067	SEAL,SHAFT-SUNDSTRAND***.....1	
1	33077	EXHAUST,TAIPIPE,DEUTZ, Z45....1		25	29739	SEAL KIT,SAUER-DANFOSS M46***.....1	
2	16584	U-BOLT, KIT 5/16-18 X 2.5.....1		25	32611	SHAFT,M46 15 TOOTH.....1	
3	5397	WASHER,FLAT,USS,5/16",Y.....2		25	49770	PUMP,M46/GEAR,2.8/.67***.....1	
4	6886	WASHER,LOCK,.313.....2		26	29436	O-RING***.....1	
5	6037	NUT,HEX,5/16-18,GR5.....2		27	54222	PUMP,PIGGY BACK,.67 C.I.,Z45IC.....1	
6	30438	CLAMP,MUFFLER,2 1/4" ID.....1				includes index number 26	
7	32695	MUFFLER,DEUTZ.....1		27	77990	KIT,SEAL,3CC PUMP***.....1	
		includes index numbers 6 and 8		28	6175	SCREW,HHC,3/8-16 X 1.....2	
8	29559	GASKET,EXHAUST.....3		29	6021	WASHER,LOCK,.375.....2	
9	52353	COVER,ENGINE SIDE (F30-1011F).....1		30	44064	SCREW,HHC,M10 X 30MM,.....19	
10	29557	CAP,OIL FILLER,DEUTZ,DIESEL***.....1		31	22700	WASHER,LOCK,M10.....19	
11	49919	INJECTOR - DEUTZ F4L1011F.....1		32	22699	WASHER,FLAT,M10,ZINC PLTD.....3	
12	49921	FUEL LINE INJ. DEUTZ F4L1011F.....1		33	33356P	BRACKET,EXHAUST PIPE,PAINTED.....1	
13	49929	INJECTOR PUMP - DEUTZ F4L1011F.....1					
14	34059	SENDING UNIT,OIL TEMP.....1					
15	19141	PLUG,MALE,070109-6.....1					
16	34226	ELBOW,90DEG.MC5515X8X18.....1					
17	30964	HOSE ASSEMBLY, 33".....1					
18	49917	RING GEAR,DEUTZ F3 & F4L1011F.....1					
		(please verify ring gear thickness) 0.46 inches					
--	33729	RING GEAR,DEUTZ F3 & F4L1011.....1					
		(please verify ring gear thickness) 0.365 inches					
--	89785	RING GEAR,DEUTZ F3L2011F.....1					
		(please verify ring gear thickness) 0.6 inches					
19	33024	FLYWHEEL FLANGE,GREEN PLASTIC.....1					
20	37003	COUPLER,HUB,15 TOOTH 7/16BOLT*.....1					
21	30806	FLYWHEEL COVER,CASTING***.....1					
22	6096	SCREW,HHC,1/2-13 X 2 GR5.....2					
23	6033	WASHER,LOCK,0.5".....2					
24		Ref. Hydraulic Hoses and Fittings.....1					
		refer to section 510.1					

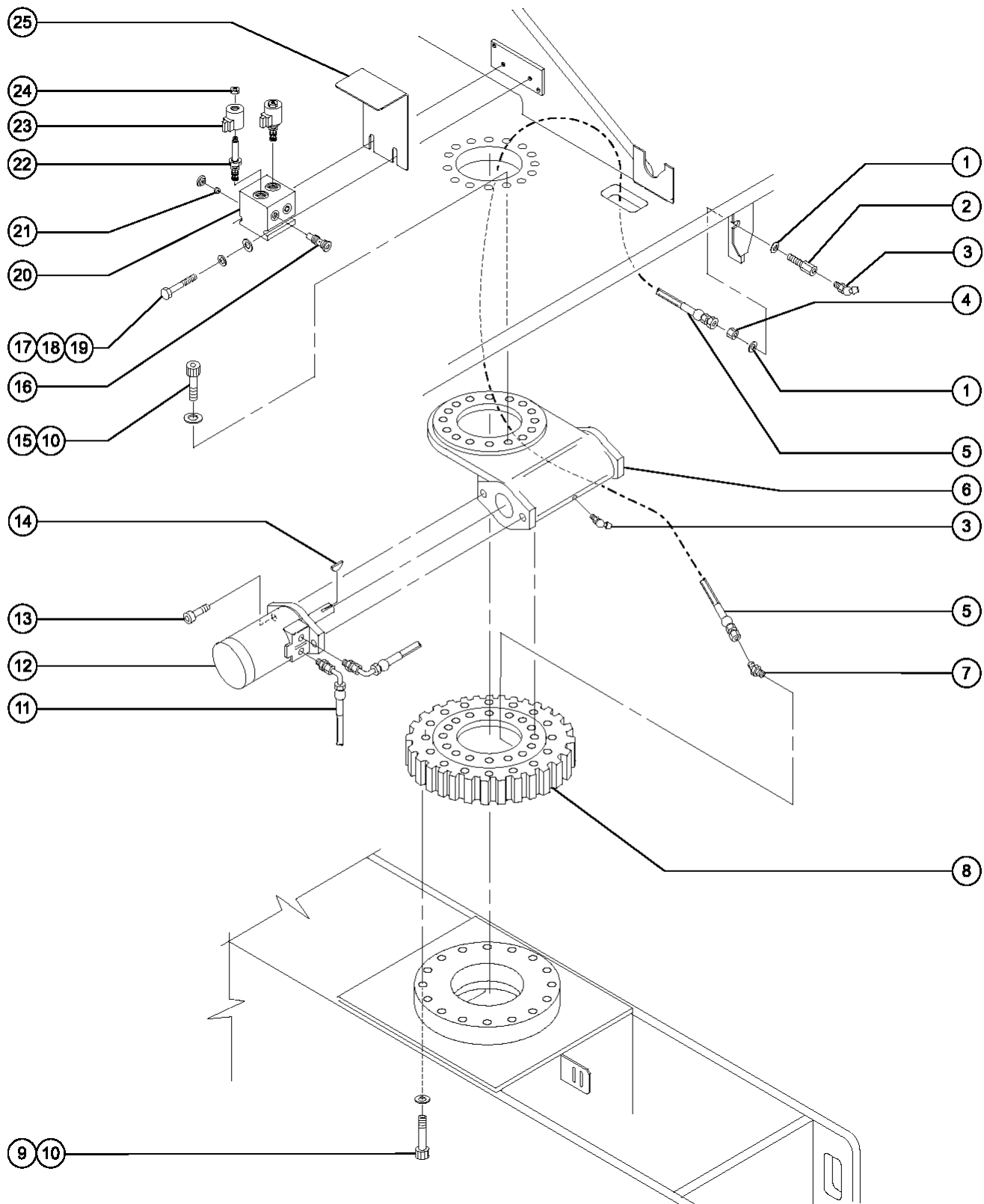
415.1 Deutz F3L 1011F Engine - View 3 (from SN 2833)



415.1 Deutz F3L 1011F Engine - View 3 (from SN 2833)

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....	9	18	30785-1000	THREADED ROD,1/4-28 X 10 IN***.....	1
2	6638	WASHER,FLAT,USS,1/4"Y.....	12	19	6889	NUT,LP NYLOCK,1/4-20.....	4
3	6091	NUT,NYLOCK,1/4-20.....	5	20	29073	SOLENOID,THROTTLE.....	1
4	33199P	PLATE,BULKHEAD COVER,PAINTED.....	1	21	23057	SCREW,HHC,M8 X 20MM.....	2
5	52352	DIPSTICK-F3L1011F (DEUTZ).....	1	22	6886	WASHER,LOCK,,313.....	2
6	T114678	SHUTDOWN SOLENOID,12V, DEUTZ..... <i>(replaced 32752) (must order cable assembly, 58256, if replacing 32752) (does not include o-ring)</i>	1	23	33241P	BRACKET,SOLENOID MTG,PAINTED.....	1
--	45782	DIODE,6 AMP,200 PIV,BULK		24	8914	SCREW,HHC,1/4-20 X .625.....	4
--	58256	SOLENOID CABLE ASSY***		25	8255	SCREW,HHC,3/8-16 X .75.....	2
--	72255	CONNECTOR, DEUTZ FUEL SHUTOFF* <i>(does not include diode, 45782)</i>		26	7713	NUT,LP NYLOCK,3/8-16.....	2
7	37033	SENDING UNIT,OIL PRESS.,DEUTZ*..... <i>single-terminal sender</i>	1	27		Ref. Hydraulic Hoses and Fittings..... <i>refer to section 510.1</i>	1
8	49923	PUMP, FUEL LIFT, F4L1011F.....	1	28	77139	FILTER ASY,M PRESS,SAE8,WOIND*.....	1
9	49924	FILTER,OIL,DEUTZ F4L1011F..... <i>Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.</i>	1	--	20880	FILTER ELEMENT-10 MIC.***..... <i>component of filter assy p/n 20879 (no longer sold)</i>	1
--	1255653	FILTER,OIL,DEUTZ,REPLACEMENT.1 <i>Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.</i>	1	--	60857	FILTER,ELEMENT,BETA(5)=1000.... <i>for 77139</i>	1
10	29560	FILTER,FUEL/WTR SEP, DTZ 1008..... <i>Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.</i>	1	29	20517P	BRACKET-FILTER MNT.-PAINTED.....	1
--	1254826	FUEL FILTER W/SEP,DEUTZ,1008..... <i>Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.</i>	1	30	44064	SCREW,HHC,M10 X 30MM,.....	2
11	33240P	BRACKET,ACTUATOR ARM MTG,PTD.....	1	31	22700	WASHER,LOCK,M10.....	2
12	22578	SCREW,HHC,M6 X 20MM,GR8.8....	2	32	30769P	BRCKET,AIR CLEANER MTG.PAINT.....	1
13	6356	WASHER,LOCK,,25.....	6	33	27915	AIR CLEANER.....	1
14	6584	SCREW,SHS,10-24 X .625.....	1	--	27916	FILTER,AIR,ELEMENT***.....	1
15	5365	NUT,NYLOCK,10-24.....	1	--	65815	CLAMP, AIR CLEANER (27915)**.... <i>clamp that holds the end cap on</i>	1
16	21130	CLEVIS YOKE-1/4-28,PLTD W/PIN.....	1	34	13002	SCREW,HHC,5/16-18 X 1 GR5.....	4
17	21496	NUT,HEX,1/4-28.....	2	35	6002	NUT,LP NYLOCK,5/16-18.....	4
				36	53952	BRKT,AIR CLEANER ORIENTATION**.....	1

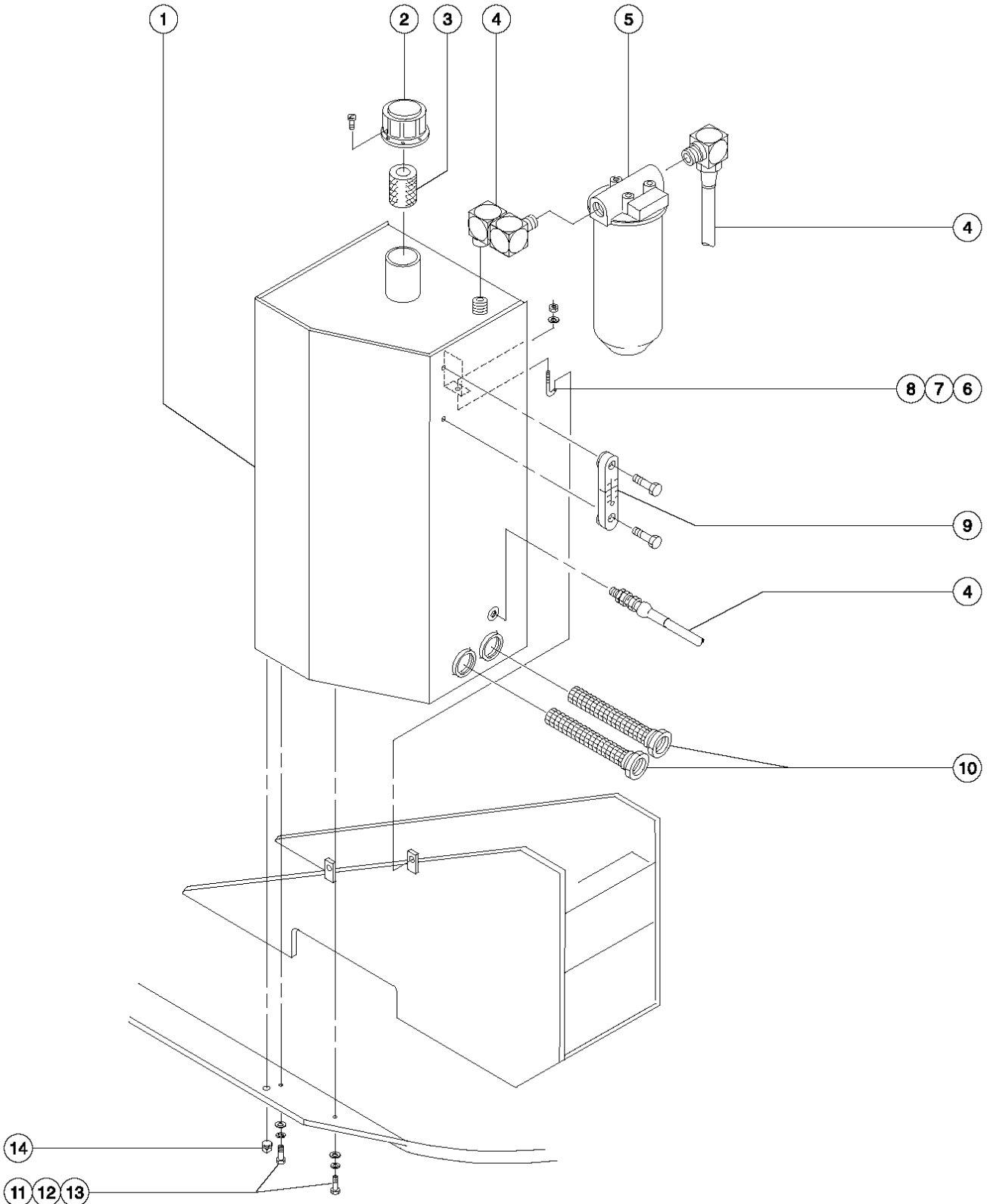
501.1 Turntable Rotator



501.1 Turntable Rotator

Item	Part No.	Description	Qty.
1	6097	WASHER,FLAT,USS,3/8",Y.....	2
2	30430	BULKHEAD,FEMALE X 4.....	1
3	22794	ZERK,GREASE,1/8 NPT,45DEG.....	2
4	34615	BULKHEAD,NUT,070118-4.....	1
5	41335	HOSE-TURNTABLE BEARING LUBE.....	1
6	24486	WORM DRIVE,ROTATION.....	1
7	31194	ELBOW,070302-4-2.....	1
8	24485	BEARING,SWING CHASSIS.....	1
9	25067	SCREW,SHC,5/8-11 X 6.5.....	18
10	13064	WASHER,FLAT,.625 HARDENED.....	42
11		Ref. Hydraulic Hoses and Fittings..... <i>refer to section 510.1</i>	42
12	27275	SEAL KIT (21172).....	1
12	27372	MOTOR,TURNTABLE "O"RING PORTS.....	1
13	22202	SCREW,SHC,1/2-13 X 2.25 ***.....	2
14	32224	KEY-WOODRUFF.....	1
15	25068	SCREW,SHC,5/8-11 X 4.5,A574....	24
16	43599	VALVE,CHECK.....	1
--	110200	SEAL KIT, VALVE, #4	
17	42571	SCREW,HHC,1/4-20 X 3.25.....	2
18	6356	WASHER,LOCK,.25.....	2
19	6638	WASHER,FLAT,USS,1/4"Y.....	2
20	28750	O-RING KIT,FIELD SVC,ALL PROD*.....	2
20	33994	PLUG AND CAP KIT-SERVICE,37ø**.....	2
20	42157	MANIFOLD,BRAKE/MOTOR SHIFT..... <i>includes index numbers 16 and 21 through 24</i>	1
21	32669	ORIFICE PLUG,.025 (30551).....	1
22	65766	VALVE,SOLENOID,10V W/DIODE***..... <i>includes index numbers 23 and 24</i>	2
23	43601	COIL,SOLENOID,10V W/ DIODE....	2
24	45912	NUT,SOLENOID,2POS 3WAY.....	2
25	35950P	COVER,BRAKE MANIFOLD,PAINTED.....	1

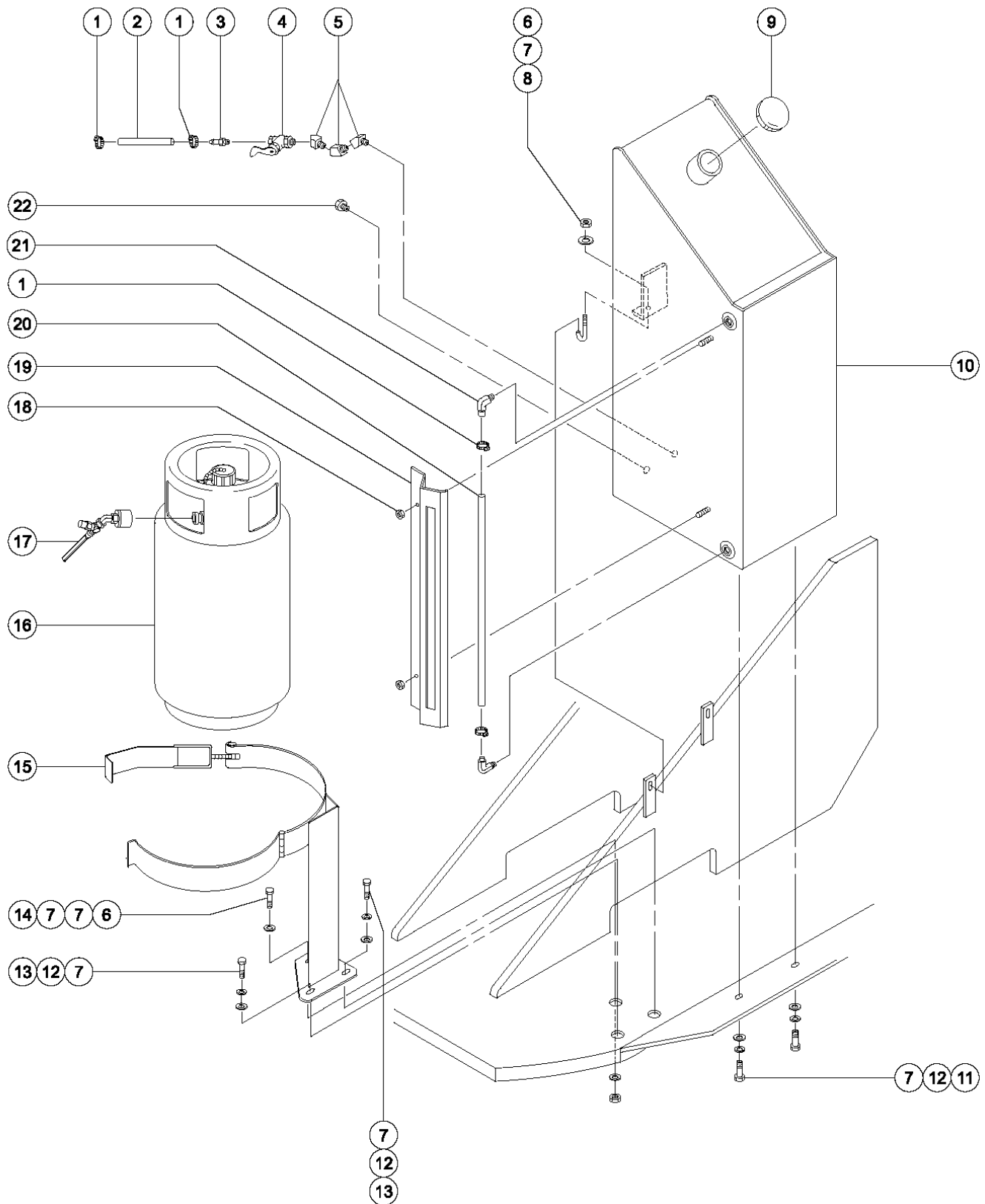
502.1 Hydraulic Tank and Filter



502.1 Hydraulic Tank and Filter

Item	Part No.	Description	Qty.
1	24560P	RESERVOIR, HYD, WELD, PAINTED.	1
2	53527	CAP, FILLER BREATHER, 3 MICRON**.....	1
3	52160	STRAINER - FILLER NECK (24560).....	1
4		Ref. Hydraulic Hoses and Fittings..... <i>refer to section 510.1</i>	1
5	46014	FILTER, ELEMENT, BETA(6)=200.....	1
5	48470	FILTER ASSEMBLY W/IND L, PAPER.....	1
6	35474	J-BOLT, 3/8-16, PLATED.....	1
7	6097	WASHER, FLAT, USS, 3/8", Y.....	1
8	4828	NUT, NYLOCK, 3/8-16.....	1
9	21141	GAUGE-SIGHT, LHA-LGTB*** <i>includes mounting fasteners</i>	1
10	45161	STRAINER ASSEMBLY, 1.5" NPT.....	2
11	8255	SCREW, HHC, 3/8-16 X .75.....	2
12	6021	WASHER, LOCK, .375.....	2
13	5397	WASHER, FLAT, USS, 5/16", Y.....	2
14	25879	PLUG, PIPE, HEX HEAD, STL, 3/8 NPT.....	1

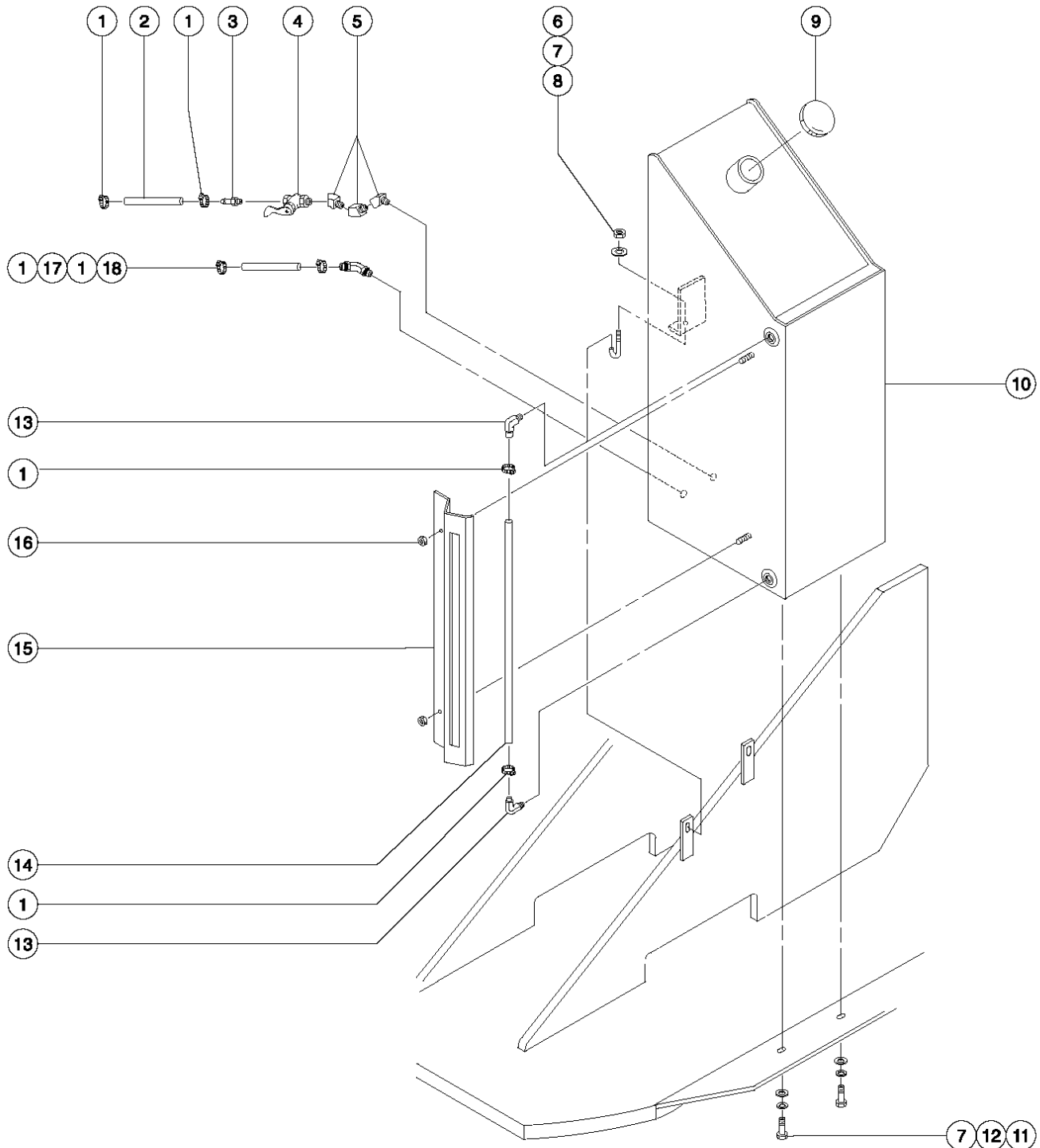
503.1 Fuel Tank - Gasoline/LPG models



503.1 Fuel Tank - Gasoline/LPG models

Item	Part No.	Description	Qty.
1	21465	CLAMP,HOSE,SIZE .25 TO .63.....4	
2	27089	HOSE,5/16 FUEL,SAE 30R7.....32-inches	
3	27087	HOSE END,MALE PIPE,WH#1551.....1	
4	19487	VALVE,FUEL LOCK.....1	
5	19606	ELBOW,130339-4-4.....3	
6	4828	NUT,NYLOCK,3/8-16.....2	
7	5397	WASHER,FLAT,USS,5/16",Y.....7	
8	35474	J-BOLT,3/8-16,PLATED.....1	
9	28829	CAP,FUEL,RED***.....1	
10	24559P	TANK WELDMENT,PAINTED.....1	
11	8255	SCREW,HHC,3/8-16 X .75.....2	
12	6021	WASHER,LOCK,.375.....4	
13	6175	SCREW,HHC,3/8-16 X 1.....2	
14	21604	SCREW,HHC,3/8-16 X 3.25.....1	
15	27510	L.P.TANK STRAP.....1	
15	31029	WELDMENT,LP BOTTLE BRACKET.....1	
16	53605	TANK, LP, 7 GAL.....1	
17	25967	HOSE ASSEMBLY,LP GAS-86" LNG**.....1	
18	6091	NUT,NYLOCK,1/4-20.....2	
19	25820P	GUARD,FUEL LVL.GAUGE,PAINTED.....1	
20	27071	TUBE,FUEL SIGHT.....22-inches <i>it is recommended to also order PN 28828 when replacing the fuel sight tube</i>	
21	27040	ELBOW,90DEG.3/8MPT-3/8 BARB.....2	
22	2327	PLUG,HEX HEAD,1/4 MPT BRASS.....1	

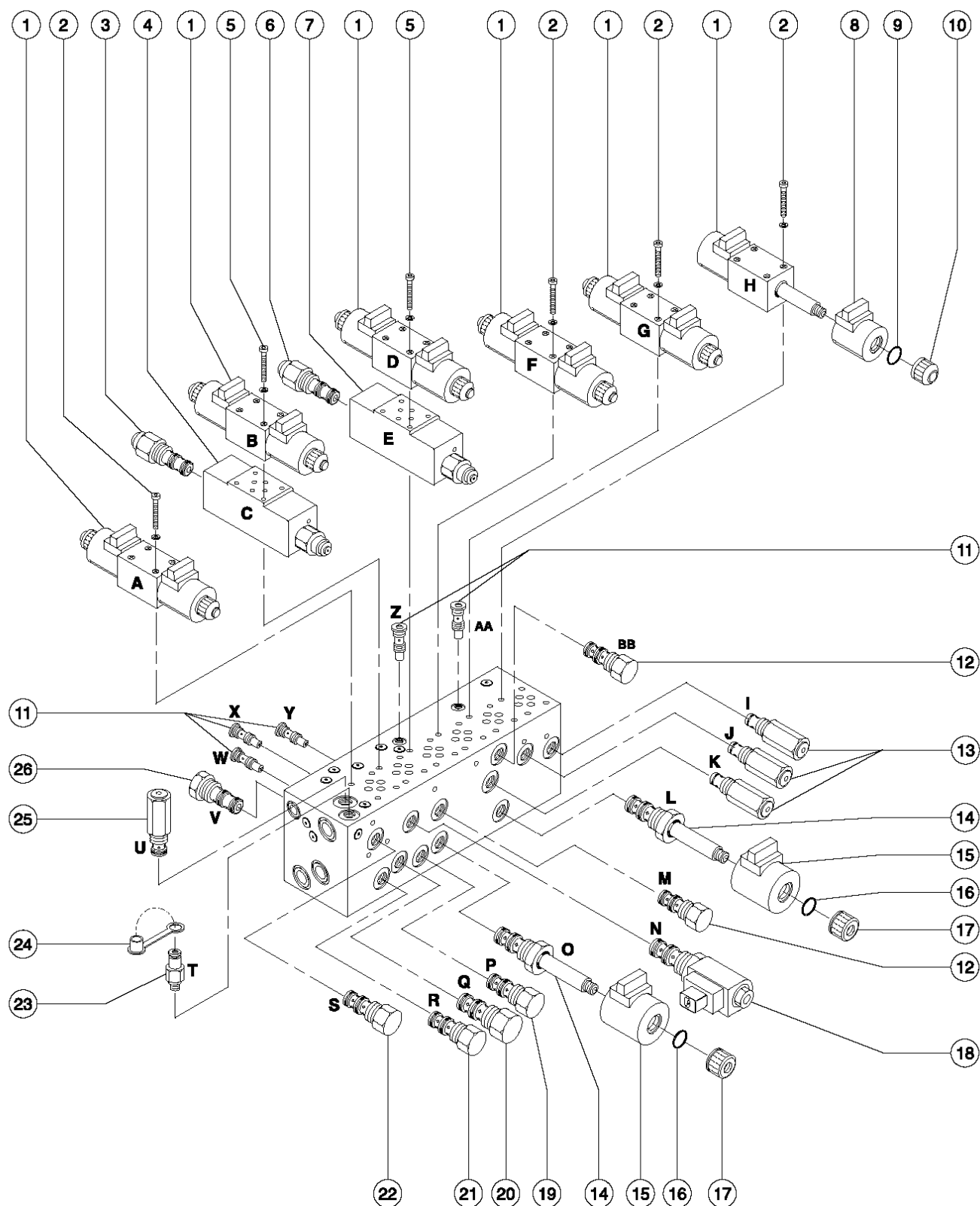
504.1 Fuel Tank - Diesel models



504.1 Fuel Tank - Diesel models

Item	Part No.	Description	Qty.
1	21465	CLAMP,HOSE,SIZE .25 TO .63.....6	
2	27089	HOSE,5/16 FUEL,SAE 30R7.....32-inches	
3	27087	HOSE END,MALE PIPE,WH#1551.....1	
4	19487	VALVE,FUEL LOCK.....1	
5	19606	ELBOW,130339-4-4.....3	
6	4828	NUT,NYLOCK,3/8-16.....1	
7	5397	WASHER,FLAT,USS,5/16",Y.....3	
8	35474	J-BOLT,3/8-16,PLATED.....1	
9	25567	CAP,FUEL,GREEN*.....1	
10	24559P	TANK WELDMENT,PAINTED.....1	
11	8255	SCREW,HHC,3/8-16 X .75.....2	
12	6021	WASHER,LOCK,.375.....2	
13	27040	ELBOW,90DEG.3/8MPT-3/8 BARB.....2	
14	27071	TUBE,FUEL SIGHT.....22-inches <i>it is recommended to also order PN 28828 when replacing the fuel sight tube</i>	
15	25820P	GUARD,FUEL LVL.GAUGE,PAINTED.....1	
16	6091	NUT,NYLOCK,1/4-20.....2	
17	27089	HOSE,5/16 FUEL,SAE 30R7.....82-inches	
18	34226	ELBOW,90DEG.MC5515X8X18.....1	

505.1 Function Manifold



505.1 Function Manifold

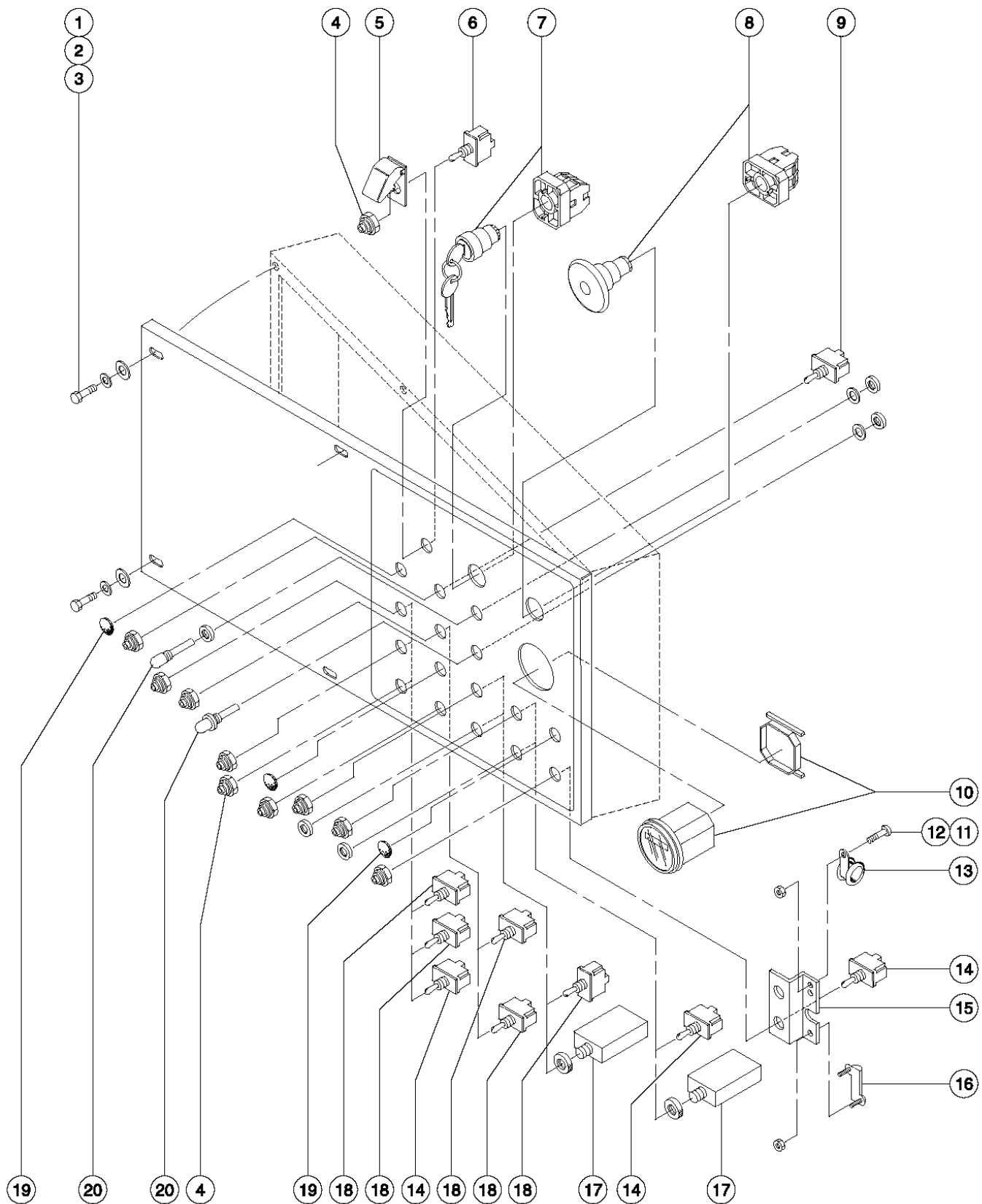
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
A		D03 Valve <i>Platform Rotate Left/Right</i>		W		Check Valve <i>Differential Sensing Circuit, Platform Rotate</i>	
B		D03 Valve <i>Platform Level Up/Down</i>		X		Check Valve <i>Differential Sensing Circuit, Platform Rotate</i>	
C		Counterbalance Valve Sandwich <i>Platform Level Circuit</i>		Y		Check Valve <i>Differential Sensing Circuit, Platform Level</i>	
D		D03 Valve <i>Turntable Rotate Left/Right</i>		Z		Check Valve <i>Differential Sensing Circuit, Turntable Rotate and Boom Extend/Retract</i>	
E		Counterbalance Valve Sandwich <i>Turntable Rotate Circuit</i>		AA		Check Valve <i>Differential Sensing Circuit, Secondary Boom Up/Down and Primary Boom Up/Down</i>	
F		D03 Valve <i>Secondary Boom Up/Down</i>		BB		Flow Regulator, 0.1 gpm <i>Differential Sensing Circuit</i>	
G		D03 Valve <i>Primary Boom Up/Down</i>		--	25375	SEAL KIT (ALL MANIFOLDS)	
H		D03 Valve <i>Boom Extend/Retract</i>		--	31701	MANIFOLD,FUNCTION,Z45IC** <i>does not include index numbers 23 and 24</i>	
I		Relief Valve <i>Boom Retract</i>		--	33994	PLUG AND CAP KIT-SERVICE,37ø**	
J		Relief Valve <i>Primary Boom Down</i>		1	146165	VALVE KIT,D03.....6 <i>includes 2 each index numbers 8 through 10</i>	
K		Relief Valve <i>Secondary Boom Down</i>		2	43255	SCREW,SHC,10-24 X 2.....16	
L		Proportional Solenoid Valve <i>Boom Up/Down</i>		3	110202	SEAL KIT, VALVE, #10	
M		Flow Regulator,0.1 gpm <i>Differential Sensing Circuit</i>		3	31262	VALVE,COUNTERBALANCE.....2	
N		Normally Closed Solenoid Valve <i>Platform Level Circuit</i>		4	31261	VALVE,COUNTERBALANCE SANDWICH.....1 <i>includes index number 3</i>	
O		Proportional Solenoid Valve <i>Turntable Rotate and Boom Extend/Retract</i>		5	40617	SCREW,SHC,10-24 X 4.....8	
P		Flow Regulator,0.6 gpm <i>Platform Level Circuit</i>		6	110202	SEAL KIT, VALVE, #10	
Q		Differential Sensing Valve <i>All Functions</i>		6	40983	VALVE,COUNTERBALANCE,1500 PSI.....2	
R		Flow Regulator,0.5 gpm <i>Platform Rotate Circuit</i>		7	27806	VALVE,COUNTERBALANCE SANDWICH.....1 <i>includes index number 6</i>	
S		Flow Regulator,0.1 gpm <i>Differential Sensing Circuit</i>		8	223763	COIL WITH DE CONNECTOR.....12 <i>use connector from old coil when replacing</i>	
T		Diagnostic Fitting <i>Testing</i>		9	48648	O-RING, D03 COIL.....12	
U		Relief Valve <i>System</i>		10	48649	NUT-D03 COIL.....12	
V		Flow Regulator,1.5 gpm <i>Steer Circuit</i>		11	110200	SEAL KIT, VALVE, #4	
				11	27807	VALVE,CHECK***.....5	

505.1 Function Manifold (continued)

Item	Part No.	Description	Qty.
12	110197	SEAL KIT, VALVE, #10	
12	27802	VALVE,DIFFERENTIAL SENSING***.....	2
13	27805	VALVE,RELIEF.....	3
13	74902	SEAL KIT, VALVE	
14	32974	VALVE,PROPORTIONAL SOLENOID**.....	2
		<i>includes 1 each index numbers 15 through 17</i>	
14	89310	SEAL KIT, SOLENOID VALVE	
15	21935	COIL, 12V, 19972/21623/29069.....	2
16	45914	O-RING, DO1 VALVE.....	2
17	45921	RETAINER-N.C.PROPOR.SOLENOID.	2
18	27803	VALVE,SOLENOID.....	1
		<i>includes coil</i>	
18	52033	COIL,SOLENOID VALVE 10V(24503.....	1
18	52943	NUT,SOLENOID VALVE.....	1
18	74902	SEAL KIT, VALVE	
19	31100	VALVE,FLOW REGULATOR 0.6GPM.....	1
19	74902	SEAL KIT, VALVE	
20	110201	SEAL KIT, VALVE, #10	
20	27804	VALVE,DIFFERENTIAL SENSING***.....	1
21	42540	VALVE,FLOW REGULATOR .5 GPM.....	1
21	74902	SEAL KIT, VALVE	
22	32975	VALVE,FLOW REGULATOR,.1 GPM.....	1
22	74902	SEAL KIT, VALVE	
23	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
23	48997	NIPPLE,DIAGNOSTIC,#4 PORT***.....	1
24	48880	CAP,DIAGNOSTIC NIPPLE.....	1
25	110194	SEAL KIT, VALVE, #10	
25	32035	VALVE,RELIEF 2200 PSI.....	1
26	110202	SEAL KIT, VALVE, #10	
26	19207	VALVE,FLOW REGULATOR.....	1

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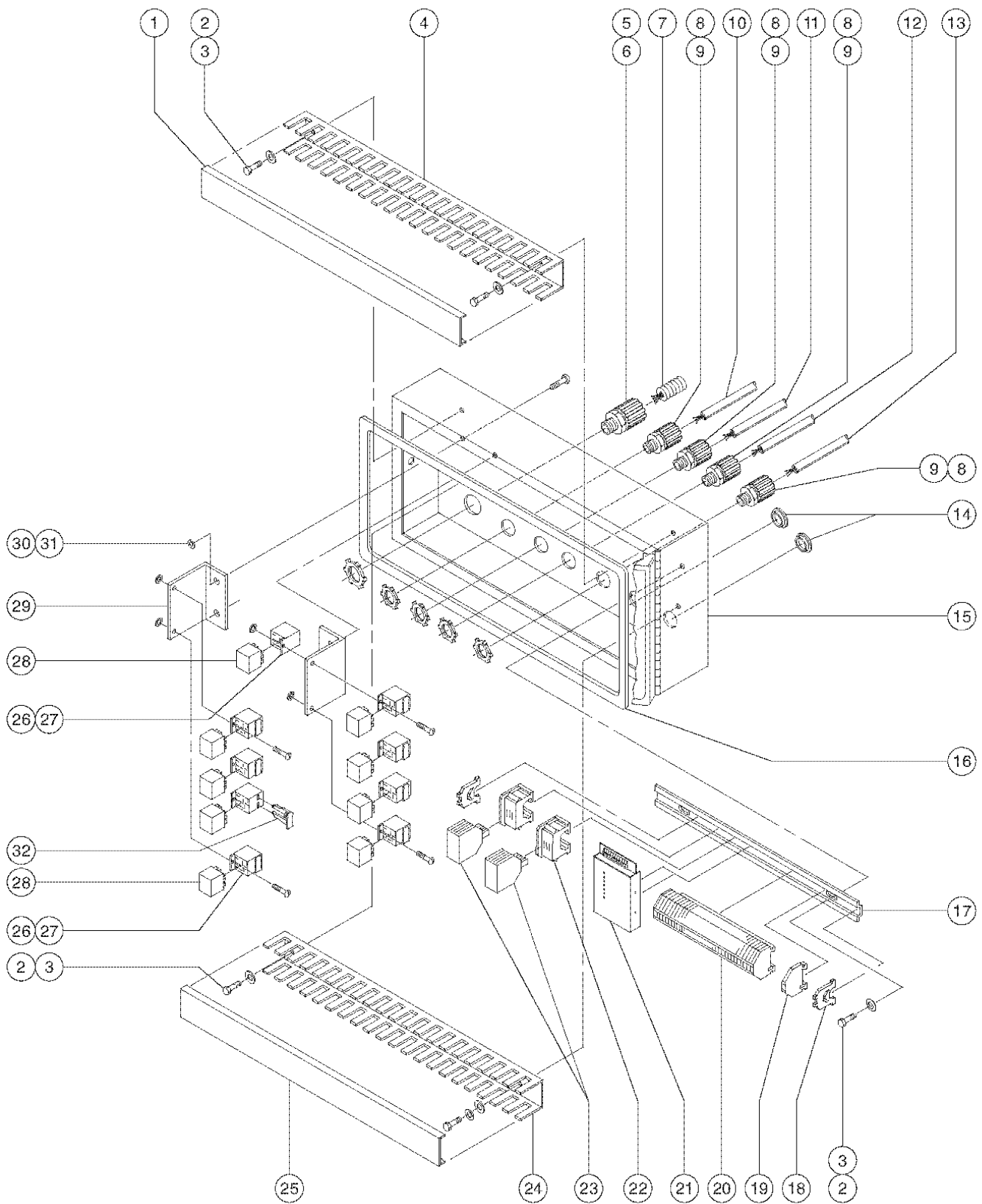
506.1 Ground Controls - View 1



506.1 Ground Controls - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--				18	16397-S	SWITCH,TOGGLE,DPDT,3POS MOMEN.....5 <i>includes mounting fasteners</i>	
1	6090	SCREW,HHC,1/4-20 X .75.....4		19	45384	PLUG,NYLON .50 BLACK DOMED.....3 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
2	6356	WASHER,LOCK, .25.....4		20	56298	LIGHT,INDICATOR,RED,14V.....2	
3	6638	WASHER,FLAT,USS,1/4"Y.....4					
4	27246	BOOT,TOGGLE SWITCH,SHORT*.....10					
5	13471	COVER, AUXILIARY POWER SWITCH.....1					
6	13480-S	SWITCH,TOGGLE,DPDT,2POS MOMEN.....1 <i>includes mounting fasteners</i>					
7	122512	KIT,KEYSWITCH SVC BB & SM BOOM.....1 <i>(ANSI models)</i>					
--	122606	KIT,KEYSWITCH SVC BB&SM CE <i>(CE models)</i>					
--	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 and contacts.</i>					
--	66816	CONTACT,N.O.....1					
--	66821	BASE,WITHOUT CONTACTS.....1					
8	122514	KIT,ESTOP SVC BB&SM BOOM.....1					
--	66812	E-STOP BUTTON.....1					
--	66818	CONTACT,NC.....1					
--	66821	BASE,WITHOUT CONTACTS.....1					
9	128205	SWITCH TOGGLE ASSY DPDT 2P MNT.....1 <i>(replaced 27378-S)</i>					
10	19506	HOUR METER,10-80 VOLTS***1 <i>includes mounting bracket</i>					
11	5094	SCREW,RHM,10-32 X .5.....1					
12	6178	NUT,NYLOCK,10-32.....1					
13	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....1					
14	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*3 <i>includes mounting fasteners</i>					
15	54525	BRACKET-PANEL-WIRE MOUNTING 99.....1					
16	27287	RESISTOR,10 OHM,25 WATT1					
17	147094	ASSY, CIRCUIT BREAKER 15A.....2 <i>includes mounting fasteners</i>					

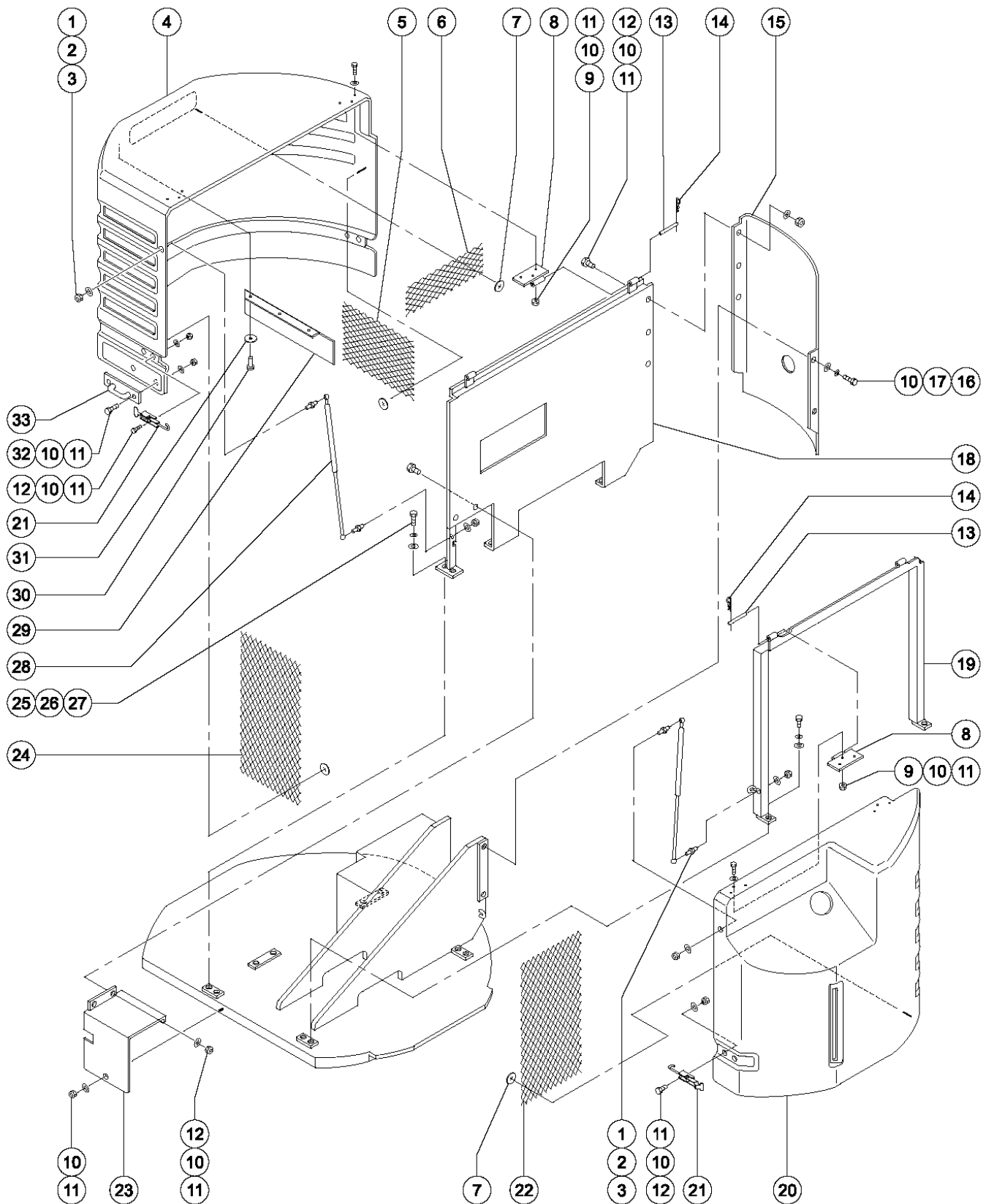
507.1 Ground Controls - View 2



507.1 Ground Controls - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	28299	COVER,WIRING DUCT, 1.5.....24-inches		26	34503	ASSY,RELAY SOCKET, AUTO.....5 <i>Deutz Diesel models without oscillating axle. Quantity listed may not reflect specific model configuration requirements.</i>	
2	8914	SCREW,HHC,1/4-20 X .625.....6		27	34054	TERM,RELAY N-INSULATED 10-12 G.....50 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
3	6356	WASHER,LOCK,.25.....6		27	34055	TERM RELAY,N-INSULATE 14-16 GA.....50 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
4	28298	WIRING DUCT, 1.5 X 1.5....24-inches		27	34056	TERM,RELAY,N-INSULATE 18-20 GA.....50 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
5	20776	CABLE SQUEEZE CONN.....1		28	34052	RELAY,SPDT,12V(AUTO) PLUG IN**.....5 <i>Deutz Diesel models without oscillating axle. Quantity listed may not reflect specific model configuration requirements.</i>	
6	18665	LOCKNUT,ELECTRIC,1" NPT.....1		29	34057P	ANGLE,RELAY MOUNTING,PAINTED.....2 <i>models with oscillating axle</i>	
7		Ref. Wire Harness (consult factory).....1		30	6356	WASHER,LOCK,.25.....5 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
8	12960	CABLE SQUEEZE CONN.,XTRA LRG.....4		31	8914	SCREW,HHC,1/4-20 X .625.....5 <i>Quantity listed may not reflect specific model configuration requirements.</i>	
9	14041	LOCKNUT,ELECTRIC,3/4".....4		32		RELAY SOCKET,AUTO,RETAINER***.....8 <i>component of 34053. gasoline/LPG models without oscillating axle. Quantity listed may not reflect specific model configuration requirements.</i>	
10	34886	HARNESS,WIRE,MANIFOLD ASSY.....1					
11	35934	WIRE CABLE,18/19 CON.TPRJKT.....780-inches					
12	30794	WIRE,12/3 SJEOW,BULK,BLK-WHT-G.780-inches					
13	35934	WIRE CABLE,18/19 CON.TPRJKT.....780-inches					
14	45384	PLUG,NYLON .50 BLACK DOMED.....2					
15	52355	GRND CNTL BOX-Z45 LRG/DEUTZ.....1 <i>includes index number 16</i>					
16	28689	GASKET,GROUND CONTROL BOX.....1					
17	33422	DIN RAIL,17".....1					
18	25974	PLASTIC END STOP.....2					
19	25837	TERMINAL STRIP END PLATE.....1					
20	25836	TERMINAL BLOCK(SINGLE),WAGO***.....45					
20	45782	DIODE,6 AMP,200 PIV,BULK.....45					
21	56057	MODULE,IGNITION/START,12/24V.1					
22	25808	CARRIER TERMINAL(5 PER BLOCK).....2					
23	25807	DIODE BLOCK SUPPRESSION.....2					
24	28298	WIRING DUCT, 1.5 X 1.5....21-inches					
25	28299	COVER,WIRING DUCT, 1.5.....21-inches					
26	34053	ASSY,RELAY SOCKET, AUTO.....12 <i>Gasoline/LPG models with oscillating axle. Quantity listed may not reflect specific model configuration requirements.</i>					

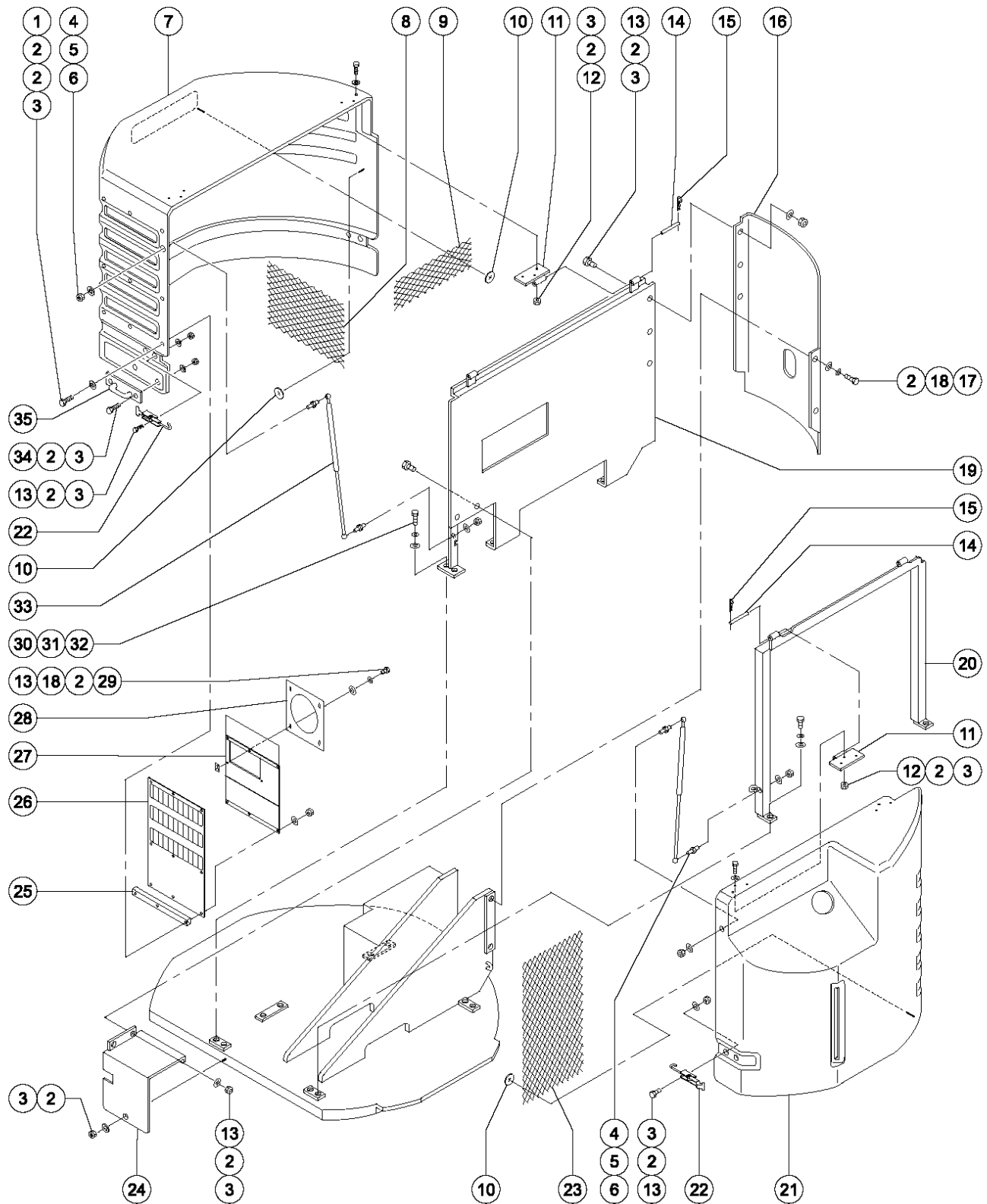
508.1 Turntable Covers - Gasoline/LPG models



508.1 Turntable Covers - Gasoline/LPG models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	4828	NUT,NYLOCK,3/8-16.....	4	28	83151	GAS STRUT***.....	2
2	6097	WASHER,FLAT,USS,3/8",Y.....	4	29	27646P	BAFFLE,RADIATOR MNT-PAINTED.....	1
3	27114	BALL STUD,1/2" BALL,3/8-16X1.2.....	4	30	20395	#10 X 1.50 PHTS-SQ.DRIVE SCREW.....	3
4	52450	COVER ASSY-L.S./Z45 FORD GAS..... <i>includes index numbers 1 through 3, 5 through 12, 21, 24, 29 through 33</i>	1	31	12906	WASHER,FENDER,.25 X 1.25 X.062.....	3
5	48501	SCREEN,Z45IC COVER,18 X 19.5%%.....	1	32	8915	SCREW,HHC,1/4-20 X 1.25.....	2
6	48499	SCREEN,Z45 IC COVER, 6 X 21%%.....	1	33	18651P	HANDLE WELDMENT,PAINTED.....	1
7	29543	WASHER,SELF-LOCK METAL.....	23				
8	29516	COVER PIVOT BRACKET WELDMENT.....	2				
8	29541	COVER PIVOT BRACKET WELD,LH.....	2				
9	6145	SCREW,HHC,1/4-20 X 1.5.....	12				
10	6638	WASHER,FLAT,USS,1/4"Y.....	38				
11	6091	NUT,NYLOCK,1/4-20.....	28				
12	6090	SCREW,HHC,1/4-20 X .75.....	13				
13	35465	PIN,CLEVIS,.50 X 4.50 LG.....	4				
14	21253	CLIP,HAIR PIN .125 X 2.....	4				
15	28143	COVER ASSY,REAR,Z45 (91).....	1				
16	8914	SCREW,HHC,1/4-20 X .625.....	2				
17	6356	WASHER,LOCK,.25.....	2				
18	27129	COVER SUPPORT WELDMENT,LH.....	1				
19	27137	COVER SUPPORT WELDMENT,RH.....	1				
20	28051	COVER ASSY,R.S.,Z45 (91)..... <i>includes index numbers 1 through 3, 7 through 12, 21 and 22</i>	1				
21	27126	LATCH,DRAW,ADJUSTABLE.....	4				
22	48500	SCREEN,Z45 IC COVER, 12 X 22.5.....	1				
23	27274P	COVER,LIFT MANIFOLD,PAINTED.....	1				
24	34244	SCREEN,Z45 COVER%%.....	1				
25	8255	SCREW,HHC,3/8-16 X .75.....	10				
26	6021	WASHER,LOCK,.375.....	10				
27	5397	WASHER,FLAT,USS,5/16",Y.....	10				
28	27377	RETAINER,GAS SPRING***.....	2				

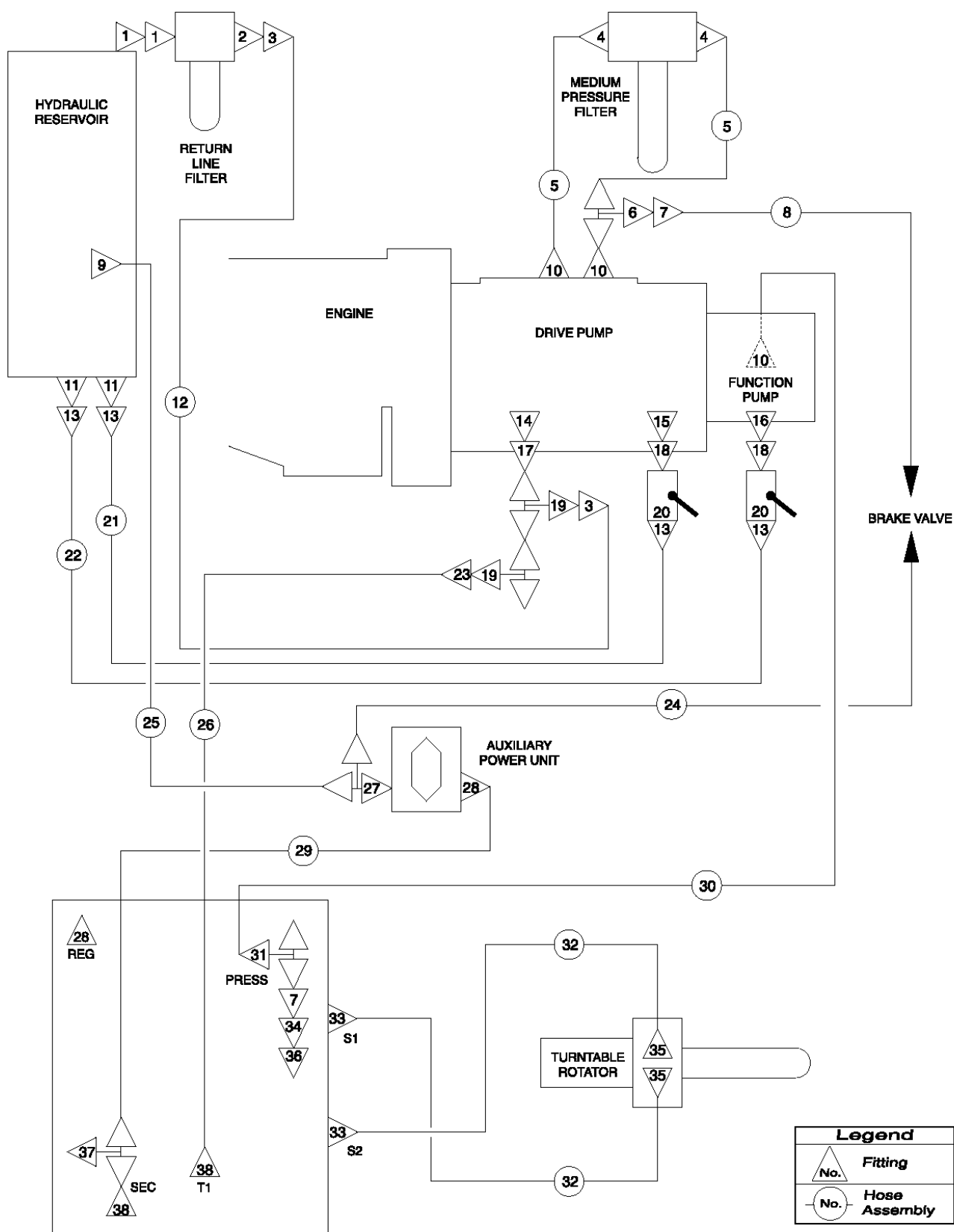
509.1 Turntable Covers - Diesel models



509.1 Turntable Covers - Diesel models

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	4266	SCREW,HHC,1/4-20 X 2.....	9	29	56912	SPRING CLIP,1/4-20,.025-.15X.5.....	4
2	6638	WASHER,FLAT,USS,1/4"Y.....	47	30	8255	SCREW,HHC,3/8-16 X .75.....	10
3	6091	NUT,NYLOCK,1/4-20.....	37	31	6021	WASHER,LOCK,.375.....	10
4	4828	NUT,NYLOCK,3/8-16.....	4	32	5397	WASHER,FLAT,USS,5/16",Y.....	10
5	6097	WASHER,FLAT,USS,3/8",Y.....	4	33	27377	RETAINER,GAS SPRING***.....	2
6	27114	BALL STUD,1/2" BALL,3/8-16X1.2.....	4	33	83151	GAS STRUT***.....	2
7	52449	COVER ASSY-L.S./Z45-D.D.**..... <i>includes index numbers 2 through 6, 8 through 13, 22, 34, and 35</i>	1	34	8915	SCREW,HHC,1/4-20 X 1.25.....	2
8	48501	SCREEN,Z45IC COVER,18 X 19.5%%.....	1	35	18651P	HANDLE WELDMENT,PAINTED.....	1
9	48499	SCREEN,Z45 IC COVER, 6 X 21%%.....	1				
10	29543	WASHER,SELF-LOCK METAL.....	15				
11	29516	COVER PIVOT BRACKET WELDMENT.....	2				
11	29541	COVER PIVOT BRACKET WELD,LH.....	2				
12	6145	SCREW,HHC,1/4-20 X 1.5.....	12				
13	6090	SCREW,HHC,1/4-20 X .75.....	17				
14	35465	PIN,CLEVIS,.50 X 4.50 LG.....	4				
15	21253	CLIP,HAIR PIN .125 X 2.....	4				
16	28143	COVER ASSY,REAR,Z45 (91).....	1				
17	8914	SCREW,HHC,1/4-20 X .625.....	2				
18	6356	WASHER,LOCK,.25.....	6				
19	27129	COVER SUPPORT WELDMENT,LH.....	1				
20	27137	COVER SUPPORT WELDMENT,RH.....	1				
21	28051	COVER ASSY,R.S.,Z45 (91)..... <i>includes index numbers 2 through 6, 10 through 13, 22 and 23</i>	1				
22	27126	LATCH,DRAW,ADJUSTABLE.....	4				
23	48500	SCREEN,Z45 IC COVER, 12 X 22.5.....	1				
24	27274P	COVER,LIFT MANIFOLD,PAINTED.....	1				
25	33211	TUBE,AIR INTAKE SPACER.....	3				
26	33182P	PLATE,INTAKE GRILL,PAINTEDGRAY.....	1				
27	33179P	DUCT,AIR INTAKE,PAINTED.....	1				
28	33236P	PLATE,AIR INTAKE ADAPTER,PAINT.....	1				

510.1 Hydraulic Hoses and Fittings - Turntable Components



510.1 Hydraulic Hoses and Fittings - Turntable Components

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	27193	ELBOW,140239-16-16.....	2	23	20325	REDUCER,070123-12-8.....	1
2	27202	ELBOW,070202-12-16.....	1	24	35240	HOSE ASSY,BRK.VALV.TO FUNC.MAN.....	1
3	45170	HOSE END,BARBED,SWIVEL,-12-12.....	2			<i>Hose End - Female JIC Swivel, 6-6 (Weatherhead 06U-606), Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead 06U-666) and Hose, 3/8 inch Neoprene High Pressure (Weatherhead H14506)</i>	
4	19685	ELBOW,070220-10-12.....	2	25	28016	HOSE ASSY,RESERV.TO AUX.P.U.....	1
5	42463	Hose Assembly - Components: @ 13.75 inches (35 cm)..... <i>Hose End - Female 90° JIC Swivel, 8-8 (Weatherhead 08U-668), Hose End - Female JIC Swivel, 8-10 (Weatherhead 08U-610) and Hose, 1/2 inch Neoprene High Pressure (Weatherhead H24508)</i>	2			<i>Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead 06U-666), Hose End - Female JIC Swivel, 6-8 (Weatherhead 06U-608) and Hose, 3/8 inch Neoprene High Pressure (Weatherhead H14506)</i>	
6	21252	TEE,RUN,070432-8.....	1	26	28012	HOSE ASSY,FUNT.MNFLD.RET-PUMP.....	1
7	45361	REDUCER,070123-8-6.....	2			<i>Hose End - Female 90° JIC Swivel, 6-6 (Synflex 3903-06646), Hose End - Female JIC Swivel, 6-8 (Synflex 3903-06548) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
8	35239	HOSE ASSY,DRV.PUMP TO BRK.VALV..... <i>Hose End - Female 90° JIC Swivel, 4-6 (Synflex 3903-04646), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) and Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	1	27	13119	TEE,RUN,070428-6-6.....	1
9	27577	CONNECTOR,070102-8-8.....	1	28	13120	ELBOW,070220-6-6.....	2
10	22665	CONNECTOR,070120-8-10.....	3	29	28013	HOSE ASSY,AUX.P.U.-FUNCT.MNFLD.....	1
11	27191	ELBOW,140339-16-16.....	2			<i>Hose End - Female JIC Swivel, 6-6 (Weatherhead 06U-606), Hose End - Female 90° JIC Swivel, 6-6 (Weatherhead 06U-666) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
12	28014	HOSE ASSY,DRV.PUMP RTN/RESERV..... <i>Hose, 3/4 inch Neoprene Low Pressure (Weatherhead H20112)</i>	1	30	28017	HOSE ASSY,FNCT.PUMP-FNCT.MNFLD...1	1
13	45166	HOSE END,BARBED RIGID-16-16.....	4			<i>Hose End - Female JIC Swivel, 6-8 (Synflex 3903-06548), Hose End - Female 90° JIC Swivel, 6-8 (Synflex 3903-06648) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
14	19687	CONNECTOR,070120-12-12.....	1	31	20334	TEE,RUN,070428-8.....	1
15	20793	ELBOW,070220-16-16.....	1	32	19136	HOSE ASSY-LFT.CYL.RTN. TO TANK.....	2
16	20332	ELBOW,070220-12-16.....	1			<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) and Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
17	21246	ELBOW,070221-12-12.....	1				
18	27189	ADAPTER,JIC SWIVEL/MALE PIPE.....	2				
19	20326	TEE,RUN,070432-12.....	2				
20	25651	VALVE,BRASS BALL,1" FPT.....	1				
21	28015	HOSE,46",1"SAE 100R4..... <i>Hose, 1 inch Neoprene Low Pressure (Weatherhead H03916)</i>	1				
22	28011	HOSE,48",1"SAE 100R4..... <i>Hose, 1 inch Neoprene Low Pressure (Weatherhead H03916)</i>	1				

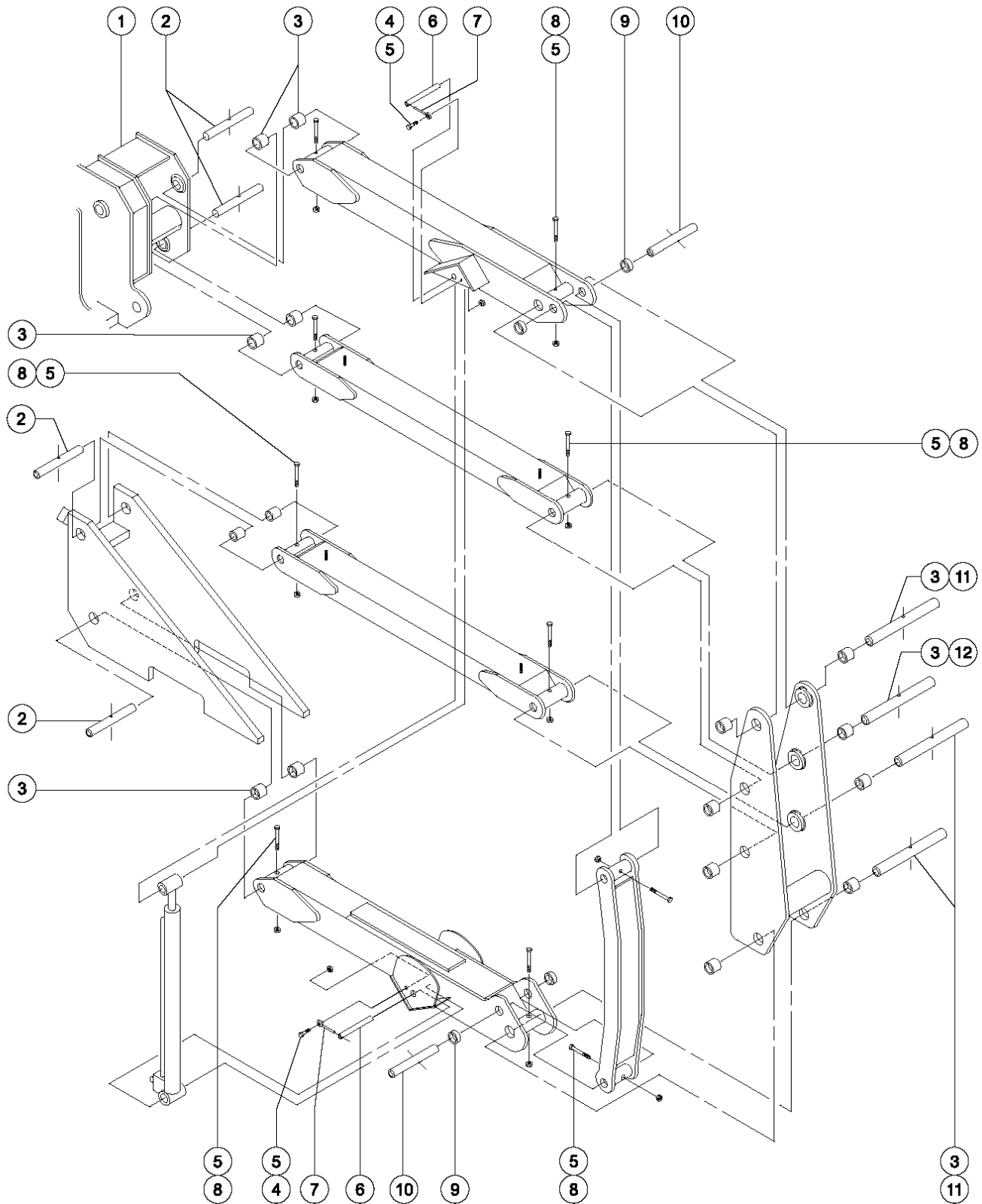
510.1 Hydraulic Hoses and Fittings - Turntable Components
(continued)

Item	Part No.	Description	Qty.
33	45412	CONNECTOR,070120-6-6.....	2
34	27934	ELBOW,90DEG.1/4MPT X 3/8 JIC.....	1
35	27421	ELBOW,070320-6-10.....	2
36	20224	DIAGNOSTIC FEMALE Q-DSCNT.....	1
36	27933	QUICK DISCONNECT,DIAGN.NIPPLE.....	1
36	48880	CAP,DIAGNOSTIC NIPPLE.....	1
37	45366	TEE,RUN,070432-6-6.....	1
38	18687	CONNECTOR,070120-6-8.....	2

510.1 Hydraulic Hoses and Fittings - Turntable Components
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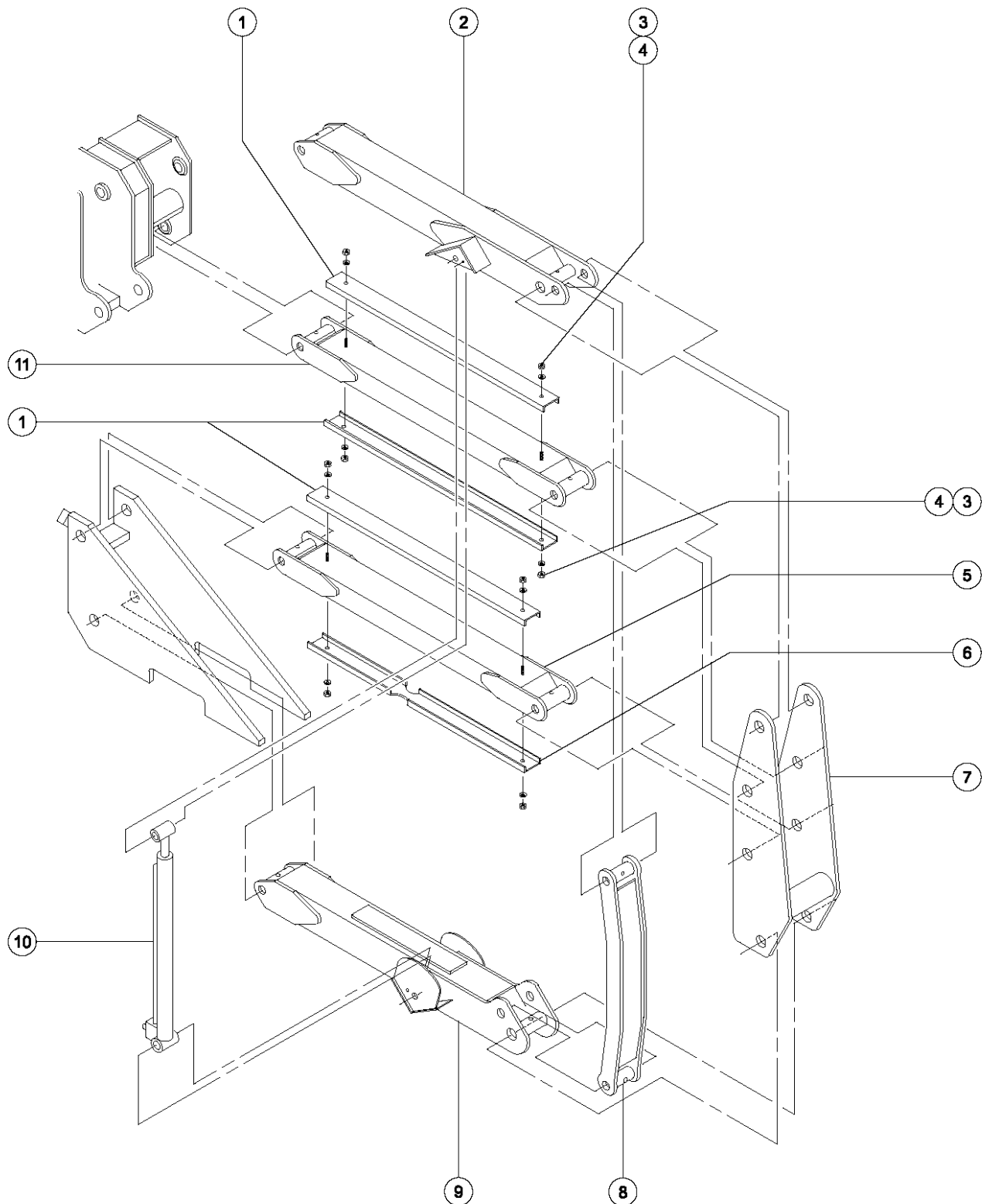
601.1 Secondary Boom - View 1



601.1 Secondary Boom - View 1

Item	Part No.	Description	Qty.
1	44805	UPPER MID-PIVOT,Z45 (W/DECALS).....1 <i>includes 6 each index number 3</i>	
2	25061	PIN,UPPER MID PIVOT,11 X 1.5"....4	
3	45071	BEARING,1.5IDX1.75ODX1.5L.....16	
4	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....4	
5	4828	NUT,NYLOCK,3/8-16.....14	
6	25063	PIN,ELEVATE CYLINDER.....4	
7	45226	ROD END,.375 X 3.69.....4	
8	6326	SCREW,HHC,3/8-16 X 3.....10	
9	45268	BEARING,1.5ID X 1.75OD X .63L....4	
10	25677	PIN,COMPRESSION LINK.....2	
11	25060	PIN,MID PIVOT,11 X 1.5 INCH.....3	
12	44282	PIN,MID PIVOT,11 X 1.5"1	

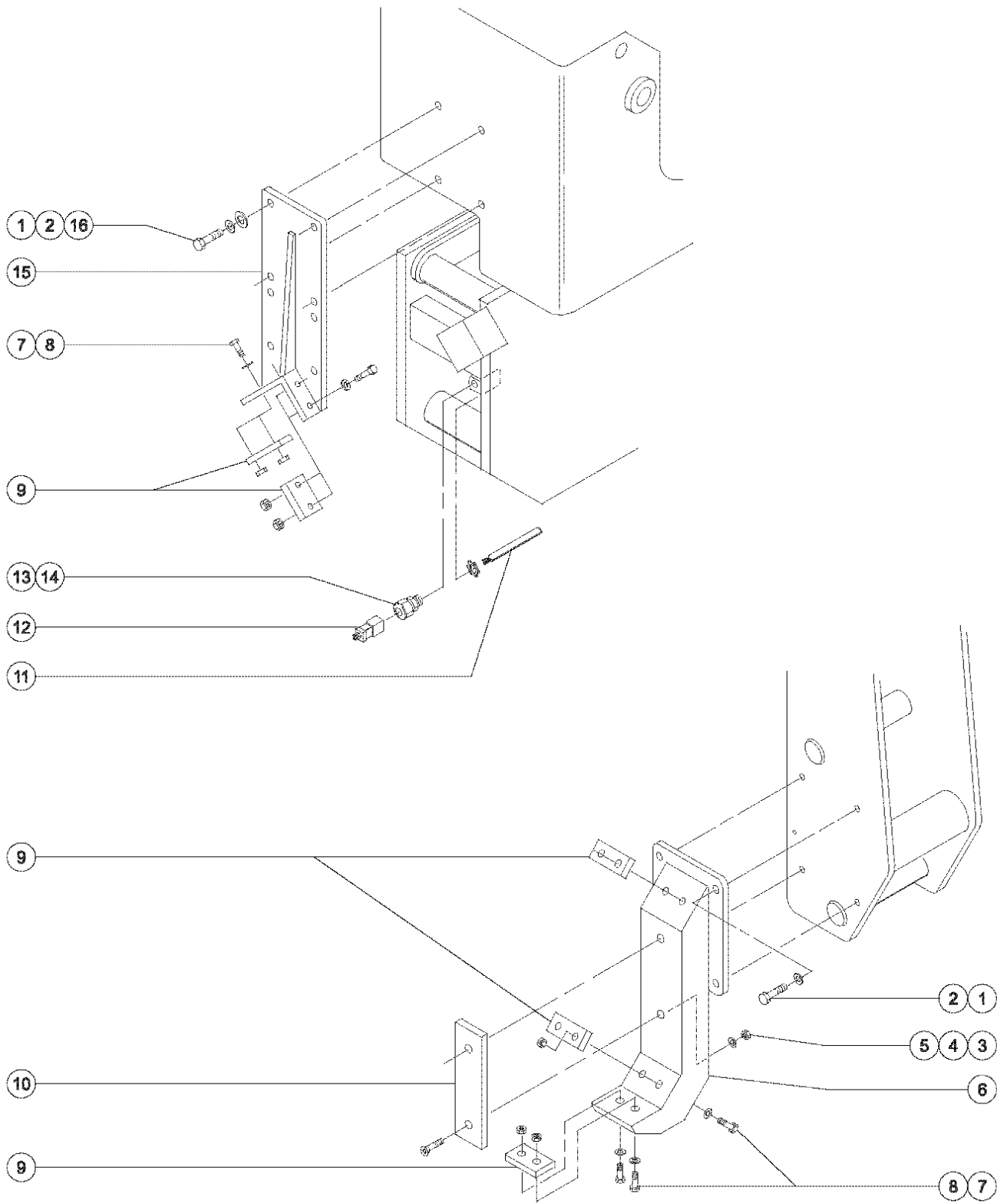
602.1 Secondary Boom - View 2



602.1 Secondary Boom - View 2

Item	Part No.	Description	Qty.
1	45392P	HOSE COVER-ELEVATE BOOM, BLUE.....	3
2	27553	UPPER SECONDARY BOOM ASSY,Z45.....	1
3	6091	NUT,NYLOCK,1/4-20.....	8
4	6638	WASHER,FLAT,USS,1/4"Y.....	8
5	45438P	TENSION LINK WELD,BOTTM-PAINTD.....	1
6	32987	HOSE COVER ASSEMBLY.....	1
7	44806	MID-PIVOT,LOWER W/DECLS Z45DC.....	1
8	45117	COMPRESSION LINK WELDMENT.....	1
9	27555	LOWER SECONDARY BOOM ASSY,Z45.....	1
10	31078	SEAL KIT,HYDRAULIC CYLINDER***.....	2
10	31105	CYL,ELEVATE,2.5 X 29 (SUN)***.....	2
10	31106	VALVE,CNTERBAL,CBBB-LHN@3000**.	2
10	45070	BEARING,GARLOCK,16DU12.....	2
11	45118P	TENSION LINK WELDMT,TOP-PAINTD.....	1

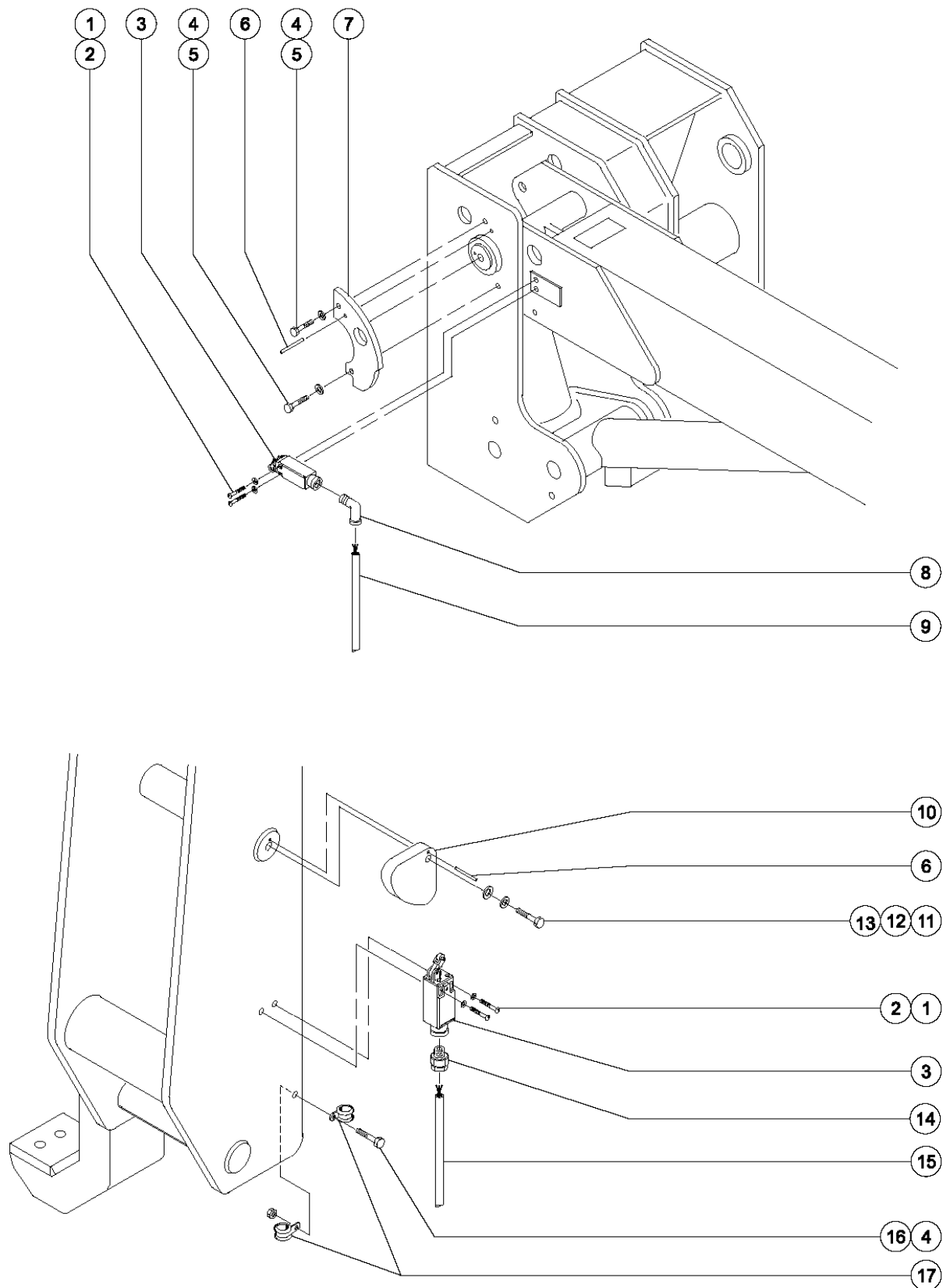
603.1 Boom Rests - Upper Mid-pivot and Primary Boom



603.1 Boom Rests - Upper Mid-pivot and Primary Boom

Item	Part No.	Description	Qty.
1	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....8	
2	6033	WASHER,LOCK,0.5".....8	
3	4828	NUT,NYLOCK,3/8-16.....2	
4	6097	WASHER,FLAT,USS,3/8",Y.....2	
5	17712	SCREW,FHS,3/8-16 X 1.75.....2	
6	28469	WELDMENT,PRIMARY BOOM REST.....1	
7	6090	SCREW,HHC,1/4-20 X .75.....10	
8	6356	WASHER,LOCK,.25.....10	
9	45209	WEAR PAD,4X2X.5 W/INSERT***5 <i>includes 2 each of 1/4 -20 Plated Hex Nuts</i>	
10	25635	PAD,NYLON-12 X 2 X 0.625 INCH.....1	
11	43956	WIRE CABLE,14/3 CON.TPE JKT*.....744-inches	
12	119403	CONN,PLUG 120 AC/15A DOMESTIC.....1	
12	144161	PLUG,PWR,UK,16AMP,3PIN,BLK...5	
12	6666	PLUG,ELECTRICAL,220/50,NOVON.5	
13	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....1	
14	6935	LOCKNUT,ELEC,1/2".....1	
15	28470	WELDMENT,UPPER PIVOT REST.....1	
16	6095	WASHER,FLAT,USS,1/2",Y.....4	

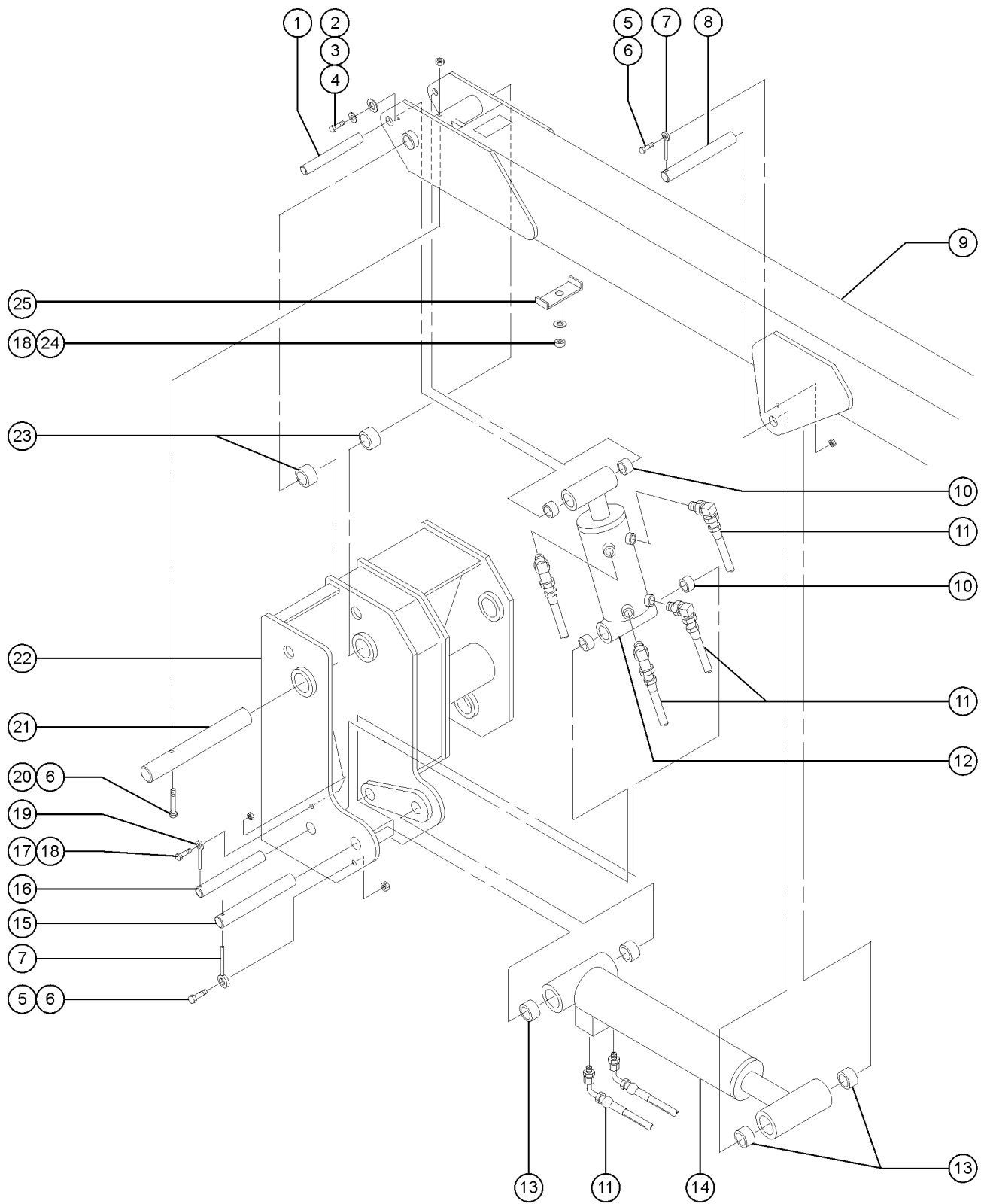
604.1 Boom Limit Switches



604.1 Boom Limit Switches

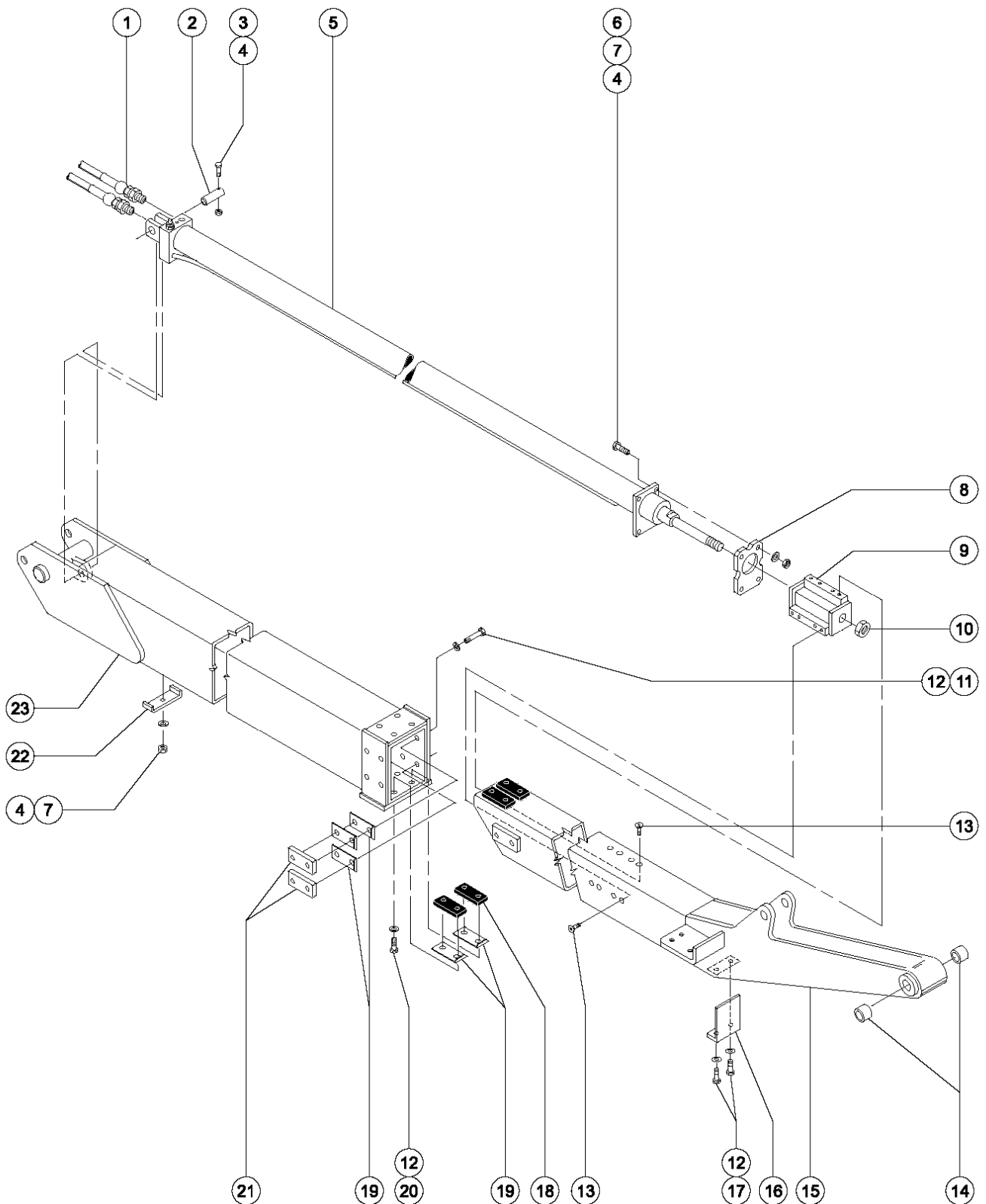
Item	Part No.	Description	Qty.
1	49821	SCREW,PHILLIPS,PHM,8-32 X 1.25.....	4
2	44936	WASHER,STAR,EXTERNAL,#8.....	4
3	19491	CONTACTOR,LIMIT SWITCH.....	2
3	44896	SWITCH,LIMIT,W/ROLLERARM.....	2
4	6888	SCREW,HHC,1/4-20 X 1.....	3
5	6356	WASHER,LOCK,.25.....	2
6	6608	PIN,ROLL,.188 X .75.....	2
7	49745	CAM PLATE-UPPER BOOM PIVOT.....	1
8	29382	CONN. SQZ,1/2NPT .38-.50,90DEG.....	1
9	43960	WIRE CABLE,16/4 CON.TPE JKT.....	396-inches
10	44275P	CAM,LIMIT SWITCH,BLUE.....	1
11	8177	SCREW,HHC,1/2-13 X 1.5.....	1
12	6033	WASHER,LOCK,0.5".....	1
13	6095	WASHER,FLAT,USS,1/2",Y.....	1
14	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....	1
15	43960	WIRE CABLE,16/4 CON.TPE JKT.....	216-inches
16	6091	NUT,NYLOCK,1/4-20.....	1
17	6833	CLAMP,0.50,#8 X 1/4,RUB CUSH....	2

605.1 Upper Mid-pivot



Item	Part No.	Description	Qty.
1	24678	PIN,MASTER CYL.ROD END,7.25 X1.....	1
2	6090	SCREW,HHC,1/4-20 X .75.....	1
3	6356	WASHER,LOCK,.25.....	1
4	12906	WASHER,FENDER,.25 X 1.25 X.062.....	1
5	8516	SCREW,HHC,3/8-16 X 1.50,GR5....	2
6	4828	NUT,NYLOCK,3/8-16.....	2
7	45226	ROD END,.375 X 3.69.....	2
8	25857	PIN,LIFT CYL./PLAT.PIVOT.....	1
9	41332	PRIMARY BOOM WITH DECAL....	1
10	45070	BEARING,GARLOCK,16DU12.....	4
11		Ref. Hydraulic Hoses and Fittings.... <i>refer to section 609.1</i>	1
12	45561	CYL-HYD.-4BORE X 5.63 STK..... <i>includes index number 10</i>	1
--	45898	SEAL KIT (CYL.PN.45561) BL.....	1
13	45072	BEARING,GARLOCK,24DU24.....	6
14	24655	CYLINDER,LIFT,4 X 24***..... <i>includes index number 12</i>	1
--	230483	SEAL KIT,CYLINDER***.....	1
--	32954	VALVE,COUNTERBALANCE.....	1
15	25062	PIN,LIFT CYL.BARREL END.....	1
16	25680	PIN,MASTER CYL.BAR.END,9.56 X1.....	1
17	6888	SCREW,HHC,1/4-20 X 1.....	1
18	6091	NUT,NYLOCK,1/4-20.....	4
19	45748	ROD END,.250 X 2.75 LG.....	1
20	14033	SCREW,HHC,3/8-16 X 2.75.....	1
21	49810	PIN,BOOM PIVOT***0%.....	1
22	44805	UPPER MID-PIVOT,Z45 (W/DECALS)..... <i>includes index number 23</i>	1
23	45071	BEARING,1.5IDX1.75ODX1.5L.....	6
24	6638	WASHER,FLAT,USS,1/4"Y.....	3
25	54530	CLAMP,HOSE,ALUMINUM***.....	3

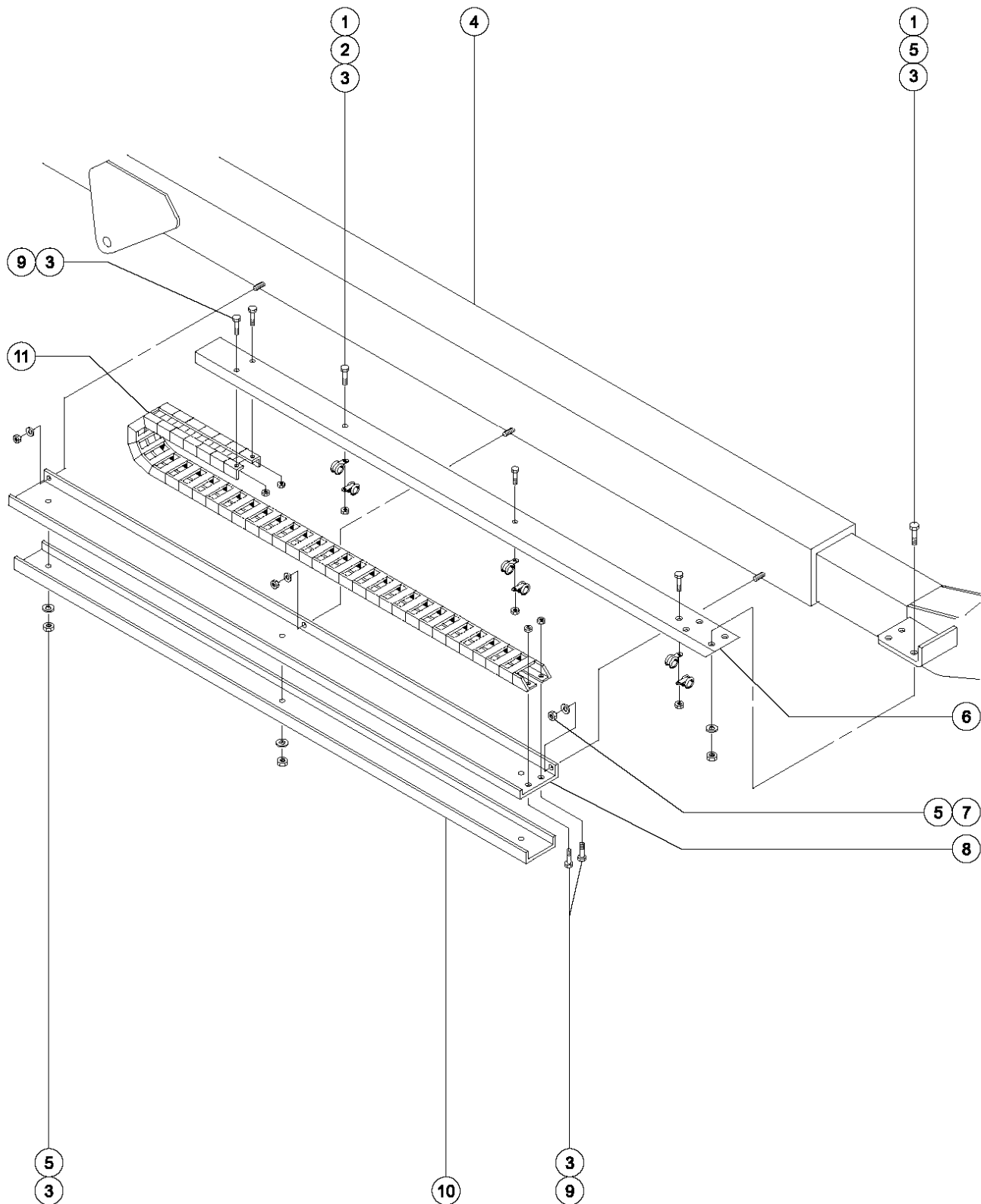
606.1 Primary and Extension Booms



606.1 Primary and Extension Booms

Item	Part No.	Description	Qty.
1		Ref. Hydraulic Hoses and Fittings <i>refer to section 609.1</i>	
2	25679	PIN,EXTENSION CYLINDER.....	1
3	6145	SCREW,HHC,1/4-20 X 1.5.....	2
4	6091	NUT,NYLOCK,1/4-20.....	9
5	29267	CYLINDER,EXT,2.5 X 112.25.....	1
--	29183	SEAL KIT,25212,25217,25372,S60	
--	31082	VALVE,COUNTERBALANCE 2500 PSI*	
6	8915	SCREW,HHC,1/4-20 X 1.25.....	4
7	6638	WASHER,FLAT,USS,1/4"Y.....	7
8	45742	SLIDE BLOCK-EXT CYL.,Z45A.....	1
9	45298	ROD END WELDMENT-EXT.CYL.....	1
10	45303	NUT,NYLOCK,1.125-12.....	1
11	6090	SCREW,HHC,1/4-20 X .75.....	12
12	6356	WASHER,LOCK,.25.....	18
13	45425	SCREW,FHS,3/8-16 X .75.....	8
14	18238	BEARING,FL,1.5 X 1.65OD X 2.....	2
15	27678	EXTENSION BOOM ASSY,Z45 (91)..... <i>includes index number 14</i>	1
16	48496P	COVER, END, PAINTED.....	1
17	8914	SCREW,HHC,1/4-20 X .625.....	2
18	45745	WEAR PAD,4 X 2 X .50 THK.BLACK.....	2
19	45382	SHIM,PRIMARY BOOM,.052 THK..... <i>Quantities listed for this item are approximate. Actual quantities may vary, to ensure proper fit.</i>	12
19	45465	SHIM,PRIMARY BOOM,.022 THICK..... <i>Quantities listed for this item are approximate. Actual quantities may vary, to ensure proper fit.</i>	12
20	6888	SCREW,HHC,1/4-20 X 1.....	4
21	45209	WEAR PAD,4X2X.5 W/INSERT***.... <i>includes 2 each of 1/4 -20 Plated Hex Nuts</i>	6
22	54530	CLAMP,HOSE,ALUMINUM***.....	3
23	41332	PRIMARY BOOM WITH DECAL.....	1

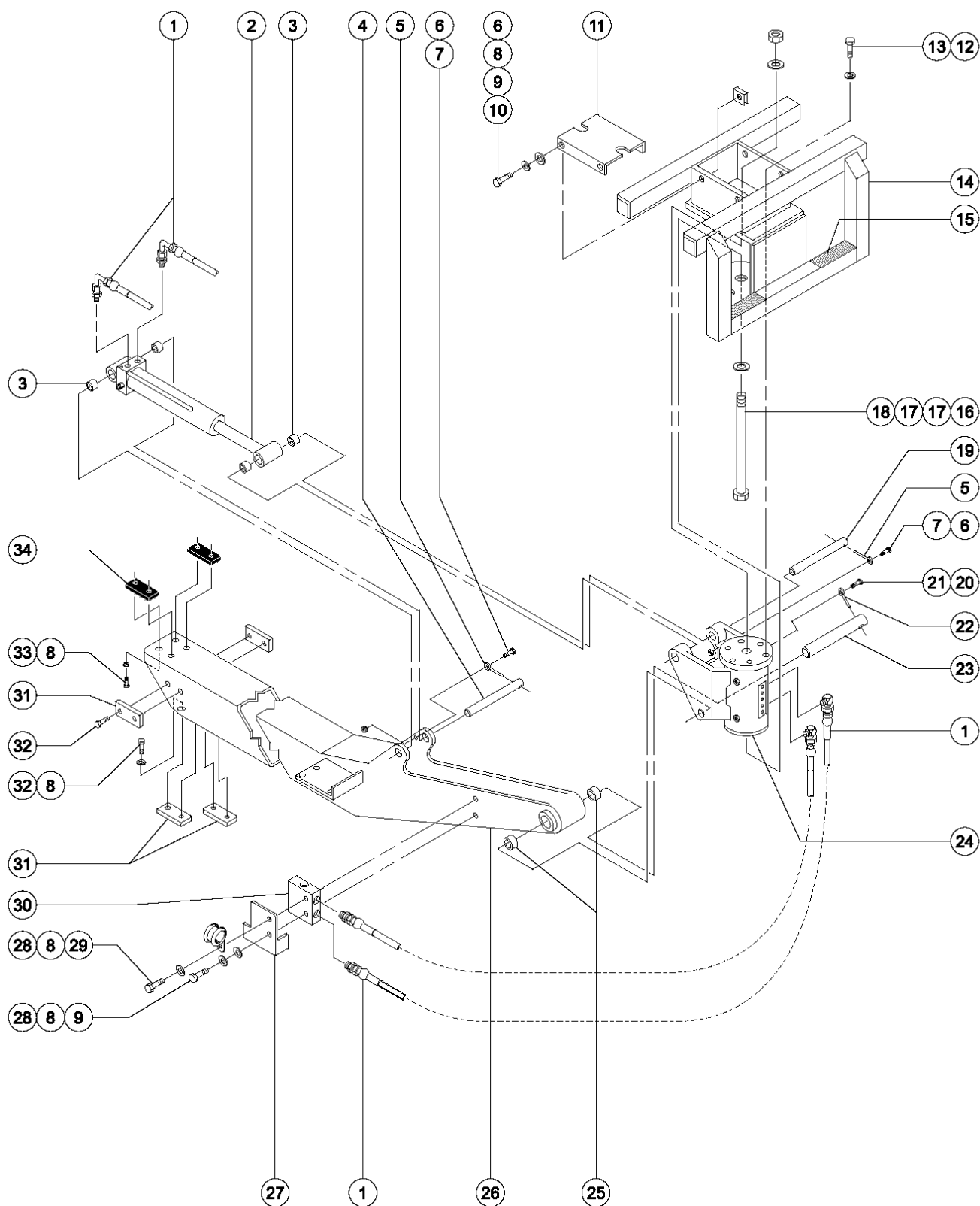
607.1 Cable Track Installation



607.1 Cable Track Installation

Item	Part No.	Description	Qty.
1	6090	SCREW,HHC,1/4-20 X .75.....	7
2	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....	6
3	6091	NUT,NYLOCK,1/4-20.....	14
4		Ref. Primary Boom..... <i>refer to section 606.1</i>	14
5	6638	WASHER,FLAT,USS,1/4"Y.....	10
6	24998P	HOSE COVER,UPPR.CABLE TRK,BLUE.....	1
7	6889	NUT,LP NYLOCK,1/4-20.....	3
8	25071P	TRAY,CABLE TRACK,W/STUDS.....	1
9	7339	SCREW,HHC,1/4-20 X .5.....	4
10	25072P	HOSE COVER,LWR CABLE TRK,BLU.....	1
11	24670	TRACK,PLASTIC CABLE,38 LINKS.....	1
11	27647	TRACK REPAIR,7 LINKS.....	1
11	27699	END SET,PLASTIC TRACK.....	1

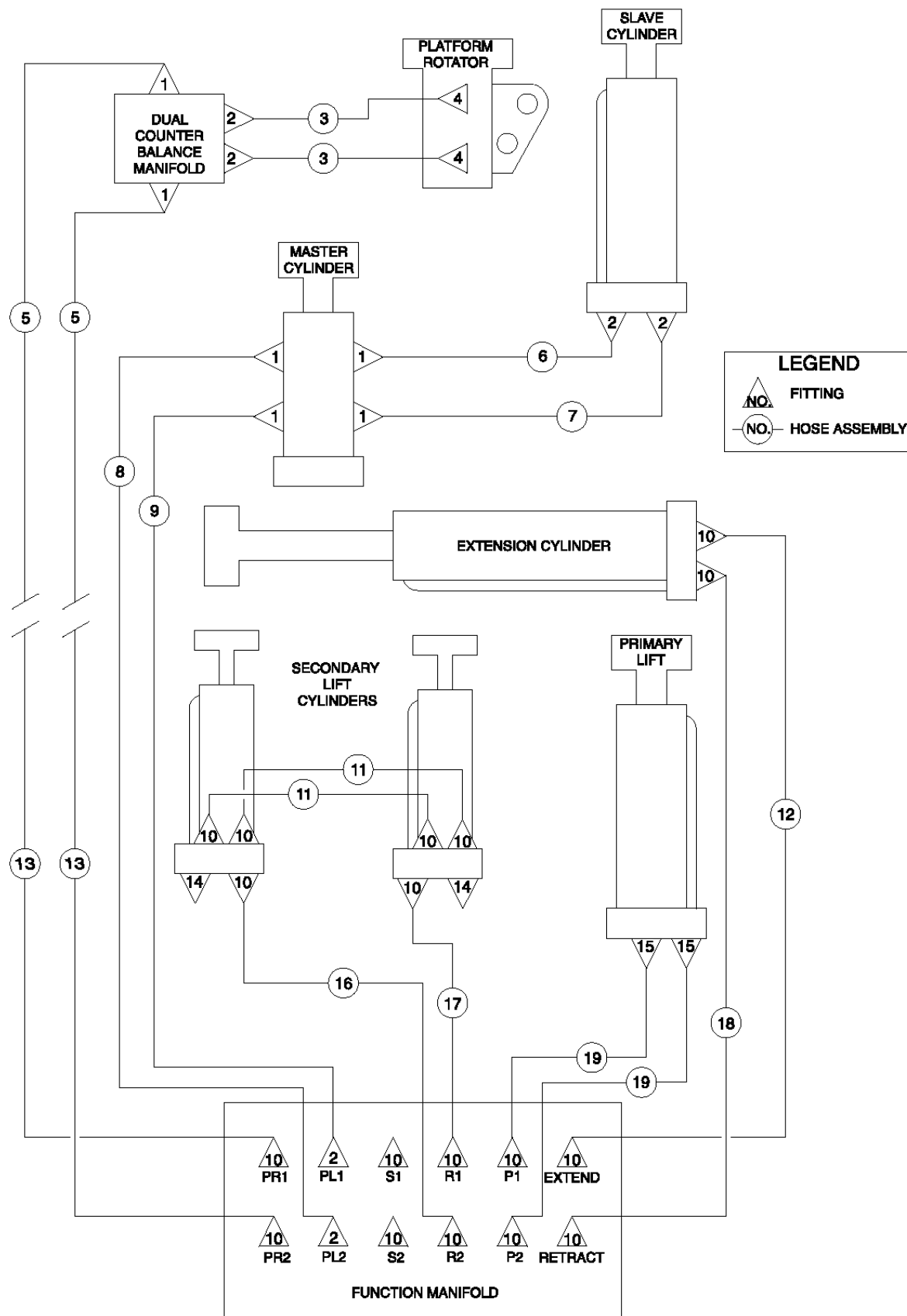
608.1 Platform Leveling and Rotation



608.1 Platform Leveling and Rotation

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref. Hydraulic Hoses and Fittings <i>refer to section 609.1</i>		27	25966P	COVER,COUNTRBALANCE VALVE,PNTD.....	1
2	13852	VALVE ASSY,BLEED***	1	28	6637	SCREW,HHC,1/4-20 X 1.75.....	2
2	19700	SEAL KIT,PN.45562 BL.....	1	29	21619	CLAMP,1.50,#24 X 1/4,RUB CUSH.....	1
2	29082	CYLINDER,SLAVE,3 X 9.5**.....	1	30	25375	SEAL KIT (ALL MANIFOLDS).....	1
		<i>includes index number 3</i>		30	30823	VALVE,DUAL CB MANIFOLD.....	1
2	29083	VALVE,COUNTERBALANCE,2500 PSI*	1	30	32722	VALVE,COUNTERBALCBG-LJN@3000.1	
3	45070	BEARING,GARLOCK,16DU12.....	4	31	45209	WEAR PAD,4X2X.5 W/INSERT***	4
4	25065	PIN, 1.00 DIA X 6.00LG, 1 HOLE....	1			<i>includes 2 each of 1/4 -20 Plated Hex Nuts</i>	
5	45748	ROD END,.250 X 2.75 LG.....	2	32	6090	SCREW,HHC,1/4-20 X .75.....	8
6	6888	SCREW,HHC,1/4-20 X 1.....	6	33	8914	SCREW,HHC,1/4-20 X .625.....	4
7	6091	NUT,NYLOCK,1/4-20.....	2	34	45745	WEAR PAD,4 X 2 X.50 THK.BLACK.....	2
8	6356	WASHER,LOCK,.25.....	14				
9	6638	WASHER,FLAT,USS,1/4"Y.....	5				
10	56912	SPRING CLIP,1/4-20,.025-.15X.5....	4				
11	46926P	COVER PLATE, PLATFORM ROTATOR.....	1				
12	10597	SCREW,HHC,1/2-13 X 1.25 GR5....	6				
13	6033	WASHER,LOCK,0.5".....	6				
14	27680	PLATFORM PIVOT MOUNT ASSY	1				
		<i>includes index number 15</i>					
15	32358	TAPE, NON-SKID,1" WIDE,BULK.....	14-inches				
16	30286	SCREW,HHC,1-8 X 12IN GRD.2***	1				
17	13775	WASHER,FLAT,1.063 X 2 X .134....	2				
18	29764	NUT,NYLOCK,1-8.....	1				
19	25064	PIN,SLAVE CYL.ROD END.....	1				
20	6019	SCREW,HHC,3/8-16 X 1.25 GRD 5.....	1				
21	4828	NUT,NYLOCK,3/8-16.....	1				
22	45226	ROD END,.375 X 3.69.....	1				
23	25816	PIN,PLATFORM PIVOT 8.5 X 1.5"	1				
24	13852	VALVE ASSY,BLEED***	1				
24	24411	ROTATOR,HELICAL,PLATFORM***.1					
24	65842	SEAL KIT,UNIVERSAL,9K ROTATOR*	1				
25	18238	BEARING,FL,1.5 X 1.65OD X 2.....	2				
26	27678	EXTENSION BOOM ASSY,Z45 (91).....	1				
		<i>includes index number 25</i>					

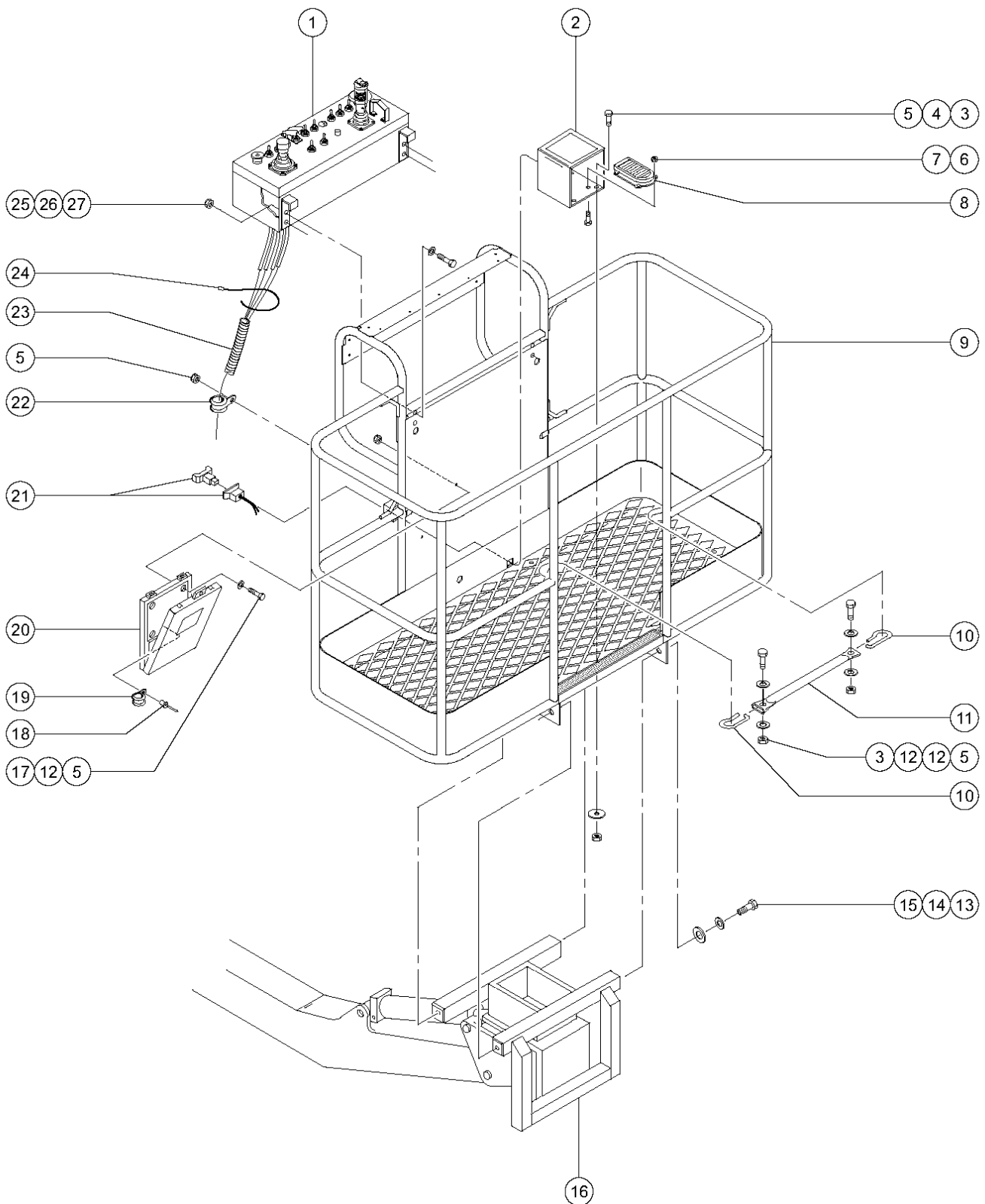
609.1 Hydraulic Hoses and Fittings - Boom Components



609.1 Hydraulic Hoses and Fittings - Boom Components

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28750	O-RING KIT,FIELD SVC,ALL PROD*		10	45412	CONNECTOR,070120-6-6.....	18
1	12340	ELBOW,070220-4-6.....	6	11	28316	TUBE,ELEVATE CYLINDER.....	2
2	13756	CONNECTOR,070120-4-6.....	6	12	28000	HOSE ASSY,FNCTN.MNFLD-EXTN.CYL...1	
3	28007	HOSE ASSY,MNFLD TO ROTATE CYL.....2 <i>Hose End - Female JIC Swivel, 4-4 (Weatherhead 04U-604), Hose End - Female 45° JIC Swivel, 4-4 (Weatherhead 04U-684) & Hose, 1/4 inch Neoprene High Pressure (Weatherhead H14504)</i>				<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) & Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
4	13921	ELBOW,070220-4-4.....	2	13	28008	HOSE ASSY,FNCTN.MNFLD-SPLICE.....2	
5	28009	HOSE ASSY,SPLICE TO ROTATE CYL.....2 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Male, JIC 4-4 (Synflex 3903-04504) & Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>				<i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female JIC Swivel, 6-4 (Synflex 3903-04546) & Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>	
6	28006	HOSE ASSY,MASTER CYL. TO SLAVE.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-4 (Synflex 3903-04644) & Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>		14	45395	PLUG,HEX HEAD,090109A-6.....	2
7	28005	HOSE ASSY,MSTR.CYL.-SLAVE.CYL.....1 <i>Hose End - Female JIC Swivel, 4-4 (Synflex 3903-04544), Hose End - Female 90° JIC Swivel, 4-4 (Synflex 3903-04644) & Hose, 1/4 inch Thermoplastic Medium Pressure (Synflex 3130-04)</i>		15	13120	ELBOW,070220-6-6.....	2
8	28003	HOSE ASSY,FNCTN.MNFLD-MSTR.CYL...1 <i>Hose End - Female JIC Swivel, 4-2 (Synflex 3903-02544), Hose End - Female JIC Swivel, 4-2 (Synflex 3903-02544) & Hose, 1/8 inch Thermoplastic Medium Pressure (Synflex 3130-02)</i>		16	28147	HOSE ASSY,FNCTN.MNFLD/ELEV.CYL...1	
9	28004	HOSE ASSY,FNCTN.MNFLD-MSTR.CYL...1 <i>Hose End - Female JIC Swivel, 4-2 (Synflex 3903-02544), Hose End - Female JIC Swivel, 4-2 (Synflex 3903-02544) & Hose, 1/8 inch Thermoplastic Medium Pressure (Synflex 3130-02)</i>				<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) & Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
				17	28146	HOSE ASSY,FNCTN.MNFLD/ELEV.CYL...1	
						<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) & Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
				18	28001	HOSE ASSY,FNCTN.MNFLD-EXTN.CYL...1	
						<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) & Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	
				19	45533	HOSE ASSY-MNFLD.TO EXT. CYL.....2	
						<i>Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546), Hose End - Female JIC Swivel, 6-6 (Synflex 3903-06546) & Hose, 3/8 inch Thermoplastic Medium Pressure (Synflex 3130-06)</i>	

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 and 703.1</i>		9	52167	Platform Assembly - European, 6 foot (1.8 m) with Decals (decals are listed in Section 100).....1 <i>includes index numbers 6, 8, 13 through 15, 20 and 21; from SN 5052</i>	
2	32710	GUARD,FOOTSWITCH,W/DECAL STEEL.....1		9	54817P-S	TOEBOARD,PLTFM ENTRY EUR,PNTD*.....1 <i>European Platform</i>	
3	6888	SCREW,HHC,1/4-20 X 1.....6		10	12443	MIDRAIL GUIDE (HOOK).....2	
4	12906	WASHER,FENDER,.25 X 1.25 X.062.....4		11	102992	SLIDING MIDRAIL KIT,PTD.....1 <i>includes index numbers 3, 5, 10 and 12</i>	
5	6091	NUT,NYLOCK,1/4-20.....14		11	12446-S	TUBE,STD SLIDING MIDRAIL,PAINT.....1	
6	6178	NUT,NYLOCK,10-32.....2		11	20973	WIRE LOOM,3/8 POLY SLIT.....1	
7	17626	SCREW,FHM,10-32 X .75.....2		11	21121	CABLE TIE,4" BLK,HEAT RESISTNT.....1	
8	13482	FOOT SWITCH***.....1 <i>includes mounting fasteners</i>		12	6638	WASHER,FLAT,USS,1/4"Y.....11	
8	20262	MICROSWITCH,13482 FOOTSWITCH.....1		13	10597	SCREW,HHC,1/2-13 X 1.25 GR5.....4	
9	147623	PLAT. ASSY W/DECALS,5***.....1 <i>All models to SN 5051 (includes index numbers 6, 8, 13-15, 20-21)</i>		14	6033	WASHER,LOCK,0.5".....4	
9	147624	PLAT. ASSY W/DECALS,ANSI,5***.....1 <i>ANSI models from SN 5052 (includes index numbers 6, 8, 13-15, 20-21)</i>		15	6095	WASHER,FLAT,USS,1/2",Y.....4	
9	147625	PLAT. ASSY W/DECALS,EURO,5***.....1 <i>CE models from SN 5052 (includes index numbers 6, 8, 13-15, 20-21)</i>		16		Ref. Platform Leveling and Rotation.....4 <i>refer to section 608.1</i>	
9	32027	PLAT. ASSY W/DECALS,4'.....1 <i>to SN 5051</i>		17	6090	SCREW,HHC,1/4-20 X .75.....4	
9	32029	PLAT. ASSY W/DECALS,6'-Z45.....1 <i>to SN 5051</i>		18	6271	RIVET,STL,STL.MAN,P,.25 X .25.....1	
9	32030	PLAT. ASSY W/DECALS,EURO,4'.....1 <i>to SN 5051</i>		19	6833	CLAMP,0.50,#8 X 1/4,RUB CUSH.....1	
9	32032	PLAT. ASSY W/DECALS,EURO,6'.....1 <i>to SN 5051</i>		20	33996	SCREWDRIVER,TERMINAL BLOCK.....1	
9	40170	TOEBOARD (PLAT. ENTRY ALUMN).....1 <i>European Platform</i>		20	44743	MANUAL BOX W/DECALS***.....1	
9	52162	PLAT. ASSY W/ DECALS, 4'.....1 <i>includes index numbers 6, 8, 13 through 15, 20 and 21; from SN 5052</i>		21	22431	TERMINAL,ANDERSON,30A 12-16 GA.....1	
9	52163	PLAT.ASSY. W/DECALS,EURO 4'.....1 <i>includes index numbers 6, 8, 13 through 15, 20 and 21; from SN 5052</i>		21	22432	ANDERSON HOUSING,15-45 AMP BLK.....1	
9	52166	PLAT. ASSY W/DECALS,6'-Z45.....1 <i>includes index numbers 6, 8, 13 through 15, 20 and 21; from SN 5052</i>		21	22433	ANDERSON HOUSING,15-45,AMP,WHT.....1	
				21	22434	ANDERSON HOUSING,15-45 AMP RED.....1	
				21	22435	ANDERSON HOUSING,15-45 AMP GRN.....1	
				21	27527	WIRE ASSY,Z454WD FOOT SWITCH.....1	
				21	29350	TERMINAL,ANDERSON,15A 16-20GA.....1	

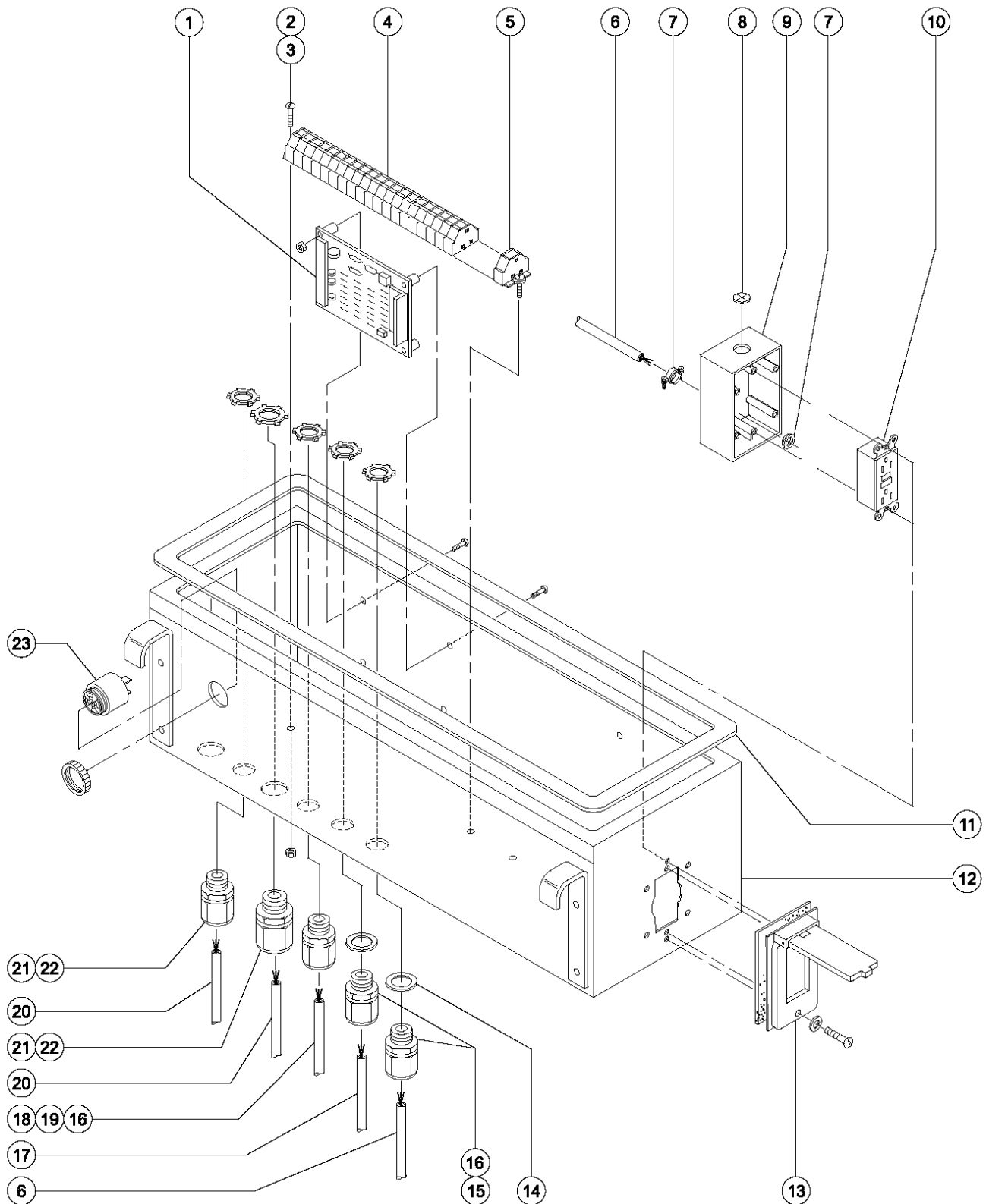
701.1 Platform Installation

(continued)

Item	Part No.	Description	Qty.
21	29431	CONNECTOR ASSEMBLY,FOOTSWITCH.....1	1
21	41020	TERMINAL,#10 RING,BLUE AMP...1	1
21	43956	WIRE CABLE,14/3 CON.TPE JKT*.....1	1
21	43957	WIRE CABLE,14GA/4 CON.TPE JKT.....1	1
21	45139	RECEPT.,SNAP-IN,4 POLE ANDERSN.....1	1
21	45200	SPACER,SHORT ANDERSON.....1	1
21	45201	SPACER,LONG ANDERSON.....1	1
21	45202	PIN,ROLL,.094 X .875.....1	1
21	45313	PLUG,W/LATCH,4 POLE,ANDERSON.....1	1
21	52177	FOOTSWITCH/CONT.BOX CONN.ASSY.....1	1
22	21619	CLAMP,1.50,#24 X 1/4,RUB CUSH.....4	4
23	28131	WIRE LOOM,1.25 DIA.....105-inches	
24	28443	CABLE TIE,11.5" BLACK.....12	12
25	6782	NUT,NYLOCK,5/16-18.....4	4
26	5397	WASHER,FLAT,USS,5/16",Y.....4	4
27	13000	SCREW,HHC,5/16-18 X 1.25.....4	4

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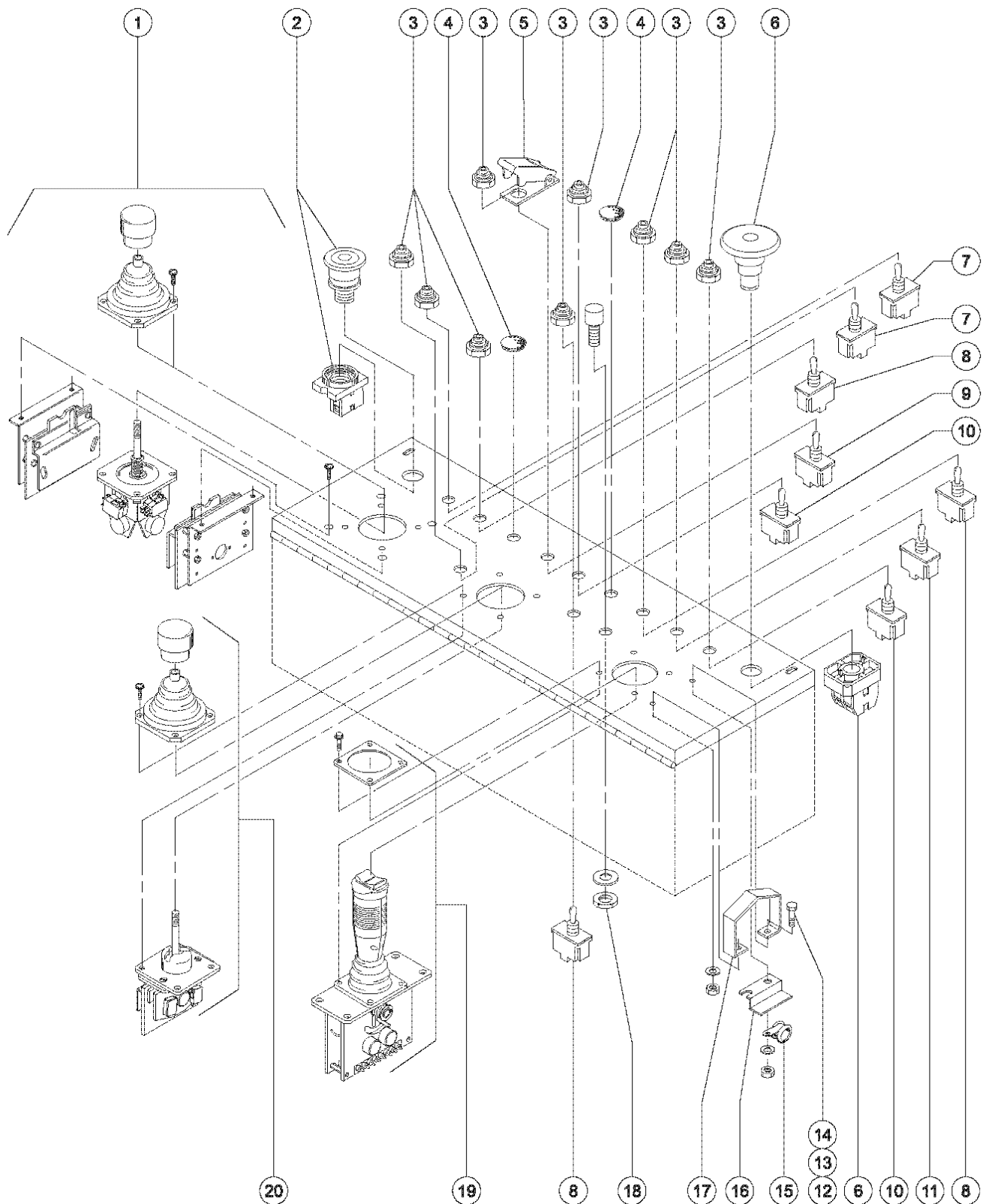
702.1 Platform Controls - View 1



702.1 Platform Controls - View 1

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	33996	SCREWDRIVER,TERMINAL BLOCK		22	14041	LOCKNUT,ELECTRIC,3/4".....	2
1	22052	LIMITER PC BOARD, HORSEPOWER.....1 <i>includes mounting hardware</i>		23	45383	ALARM,WARBLE TONE 5-30 VDC***1 <i>order 72326 retainer nut separately</i>	
--	39591	SPACER,NYLON,.375.....4 <i>sold separately</i>					
2	45546	SCREW,RHM,6-32 X .5.....2					
3	12344	NUT,NYLOCK,6-32.....2					
4	32637	TERMINAL BLOCK,WAGO.....43					
4	32638	TERMINAL BLOCK,WAGO.....2					
5	32639	END PLATE,WAGO.....1					
6	43956	WIRE CABLE,14/3 CON.TPE JKT*.....780-inches					
7	6622	GROUND CONNECTOR,1/2".....1					
8	8843	COVER,KNOCK OUT HOLE,4 PER BAG.....2					
9	10775	T-BOX,2.75 X 4.5 X 2.0.....1					
10	13585	OUTLET,110V GFCI***.....1					
10	33629	PLATE,UK POWER TO PLATFORM.....1					
10	33724	KIT,GASKET,UK POWER TO PLAT.....1					
11	27115	GASKET,UPPER CONTROL BOX.....1					
12	32991	CONTROL BOX W/DECAL,PLAT....1 <i>includes index number 11</i>					
13	45437	COVER,GFCI,WEATHERPROOF....1 <i>includes mounting fasteners</i>					
14	11855	WASHER,SHIM,SST,.825X1.25X.015.4					
15	7056	CONN,SQUEEZE,1/2NPT .38-.50,SM.....2					
16	6935	LOCKNUT,ELEC,1/2".....3					
17	27527	WIRE ASSY,Z454WD FOOT SWITCH.....1					
17	52177	FOOTSWITCH/CONT.BOX CONN.ASSY.....1					
18	43955	WIRE CABLE,12GA/3 CON.TPE JKT*.....780-inches					
19	7057	CONN. SQZ,1/2NPT .39-.56 MED.....1					
20	35934	WIRE CABLE,18/19 CON.TPRJKT.....780-inches					
21	12960	CABLE SQUEEZE CONN.,XTRA LRG.....2					

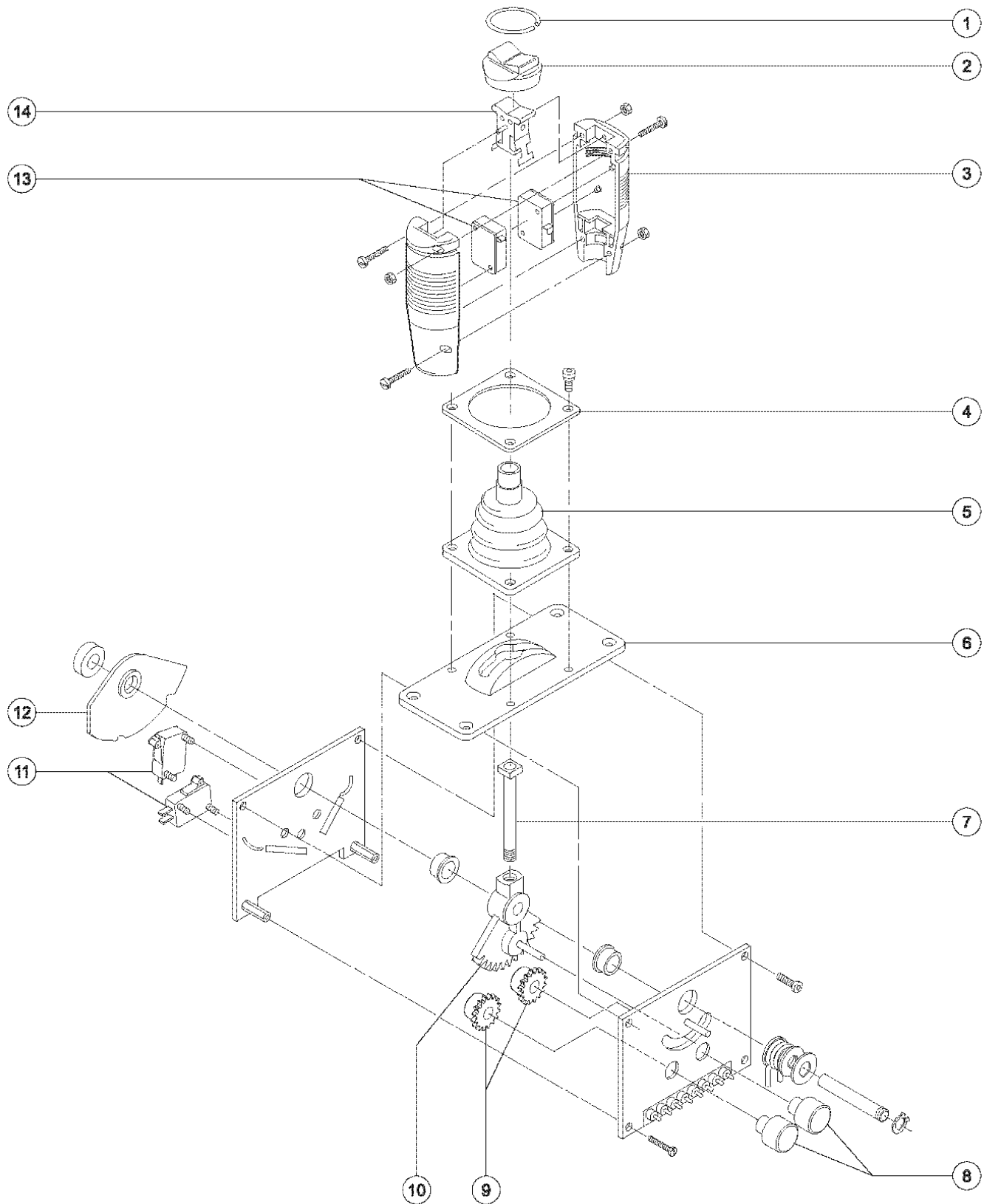
703.1 Platform Controls - View 2



703.1 Platform Controls - View 2

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1		Ref., JOYSTICK CONTROLLER,12V.....1 <i>refer to 706.1</i>		--	56848	WASHER,LOCK,IND,LAMP RETAINER <i>all models</i>	
2	122513	KIT,HORN SVC BB&SM BOOM.....1		19		Ref., JOYSTICK CONTROLLER,12V.....1 <i>refer to 704.1</i>	
--	66813	BUTTON,PUSH,BLACK W/SEAL***.....1		20		Ref., JOYSTICK CONTROLLER,12V.....1 <i>refer to 705.1</i>	
--	66815	BASE, W/1 N.O. CONTACTS***.....1					
--	66816	CONTACT,N.O.....1					
3	27246	BOOT,TOGGLE SWITCH,SHORT*.....8					
4	45384	PLUG,NYLON .50 BLACK DOMED.....2					
5	13471	COVER, AUXILIARY POWER SWITCH.....1					
6	122514	KIT,ESTOP SVC BB&SM BOOM....1					
--	66812	E-STOP BUTTON.....1					
--	66818	CONTACT,NC.....1					
--	66821	BASE,WITHOUT CONTACTS.....1					
7	16397-S	SWITCH,TOGGLE,DPDT,3POS MOMEN.....2 <i>includes mounting fasteners</i>					
8	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....3 <i>includes mounting fasteners</i>					
9	13480-S	SWITCH,TOGGLE,DPDT,2POS MOMEN.....1 <i>includes mounting fasteners</i>					
10	128205	SWITCH TOGGLE ASSY DPDT 2P MNT.....2 <i>(replaced 27378-S)</i>					
11	13038-S	SWITCH,TOGGLE,DPDT,3POS MAINT.....1 <i>includes mounting fasteners</i>					
12	8914	SCREW,HHC,1/4-20 X .625.....2					
13	6638	WASHER,FLAT,USS,1/4"Y.....2					
14	6091	NUT,NYLOCK,1/4-20.....2					
15	13268	CLAMP,0.75,#12 X 1/4,RUB CUSH.....1					
16	54525	BRACKET-PANEL-WIRE MOUNTING 99.....1					
17	27033P	SUPPORT,WRIST,PAINTED-BLUE..1					
18	56298	LIGHT,INDICATOR,RED,14V.....1 <i>Diesel models</i>					
--	56298	LIGHT,INDICATOR,RED,14V.....2 <i>Gasoline/LPG models</i>					

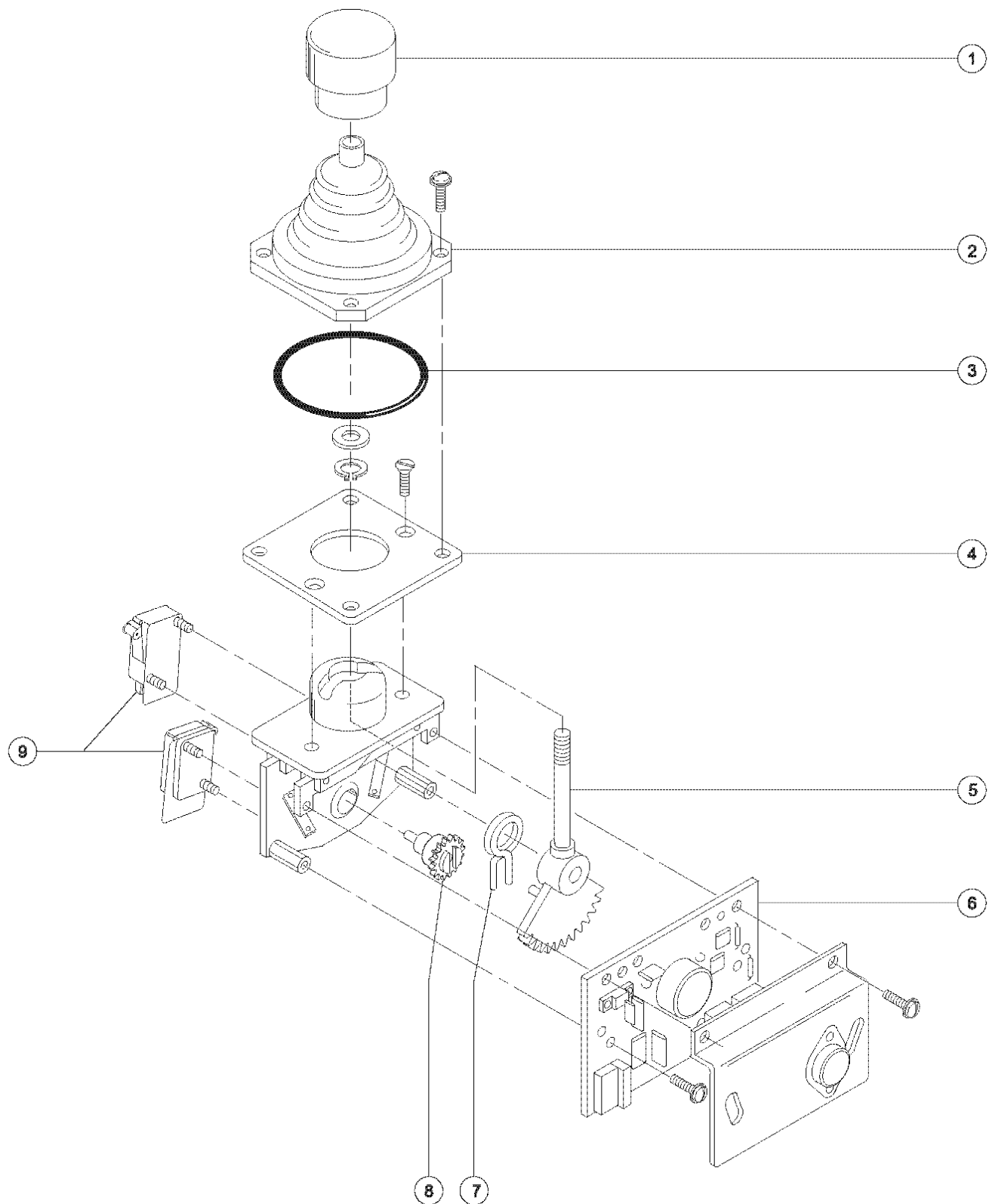
704.1 Joystick Controller - Drive/Steer Functions



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	
1	25882	LOCK RING.....	1
2	25881	BOOT,THUMB 20424 JOYSTICK.....	1
3	25883	HANDLE HALF,JOYSTICK (20424).....	2
		<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

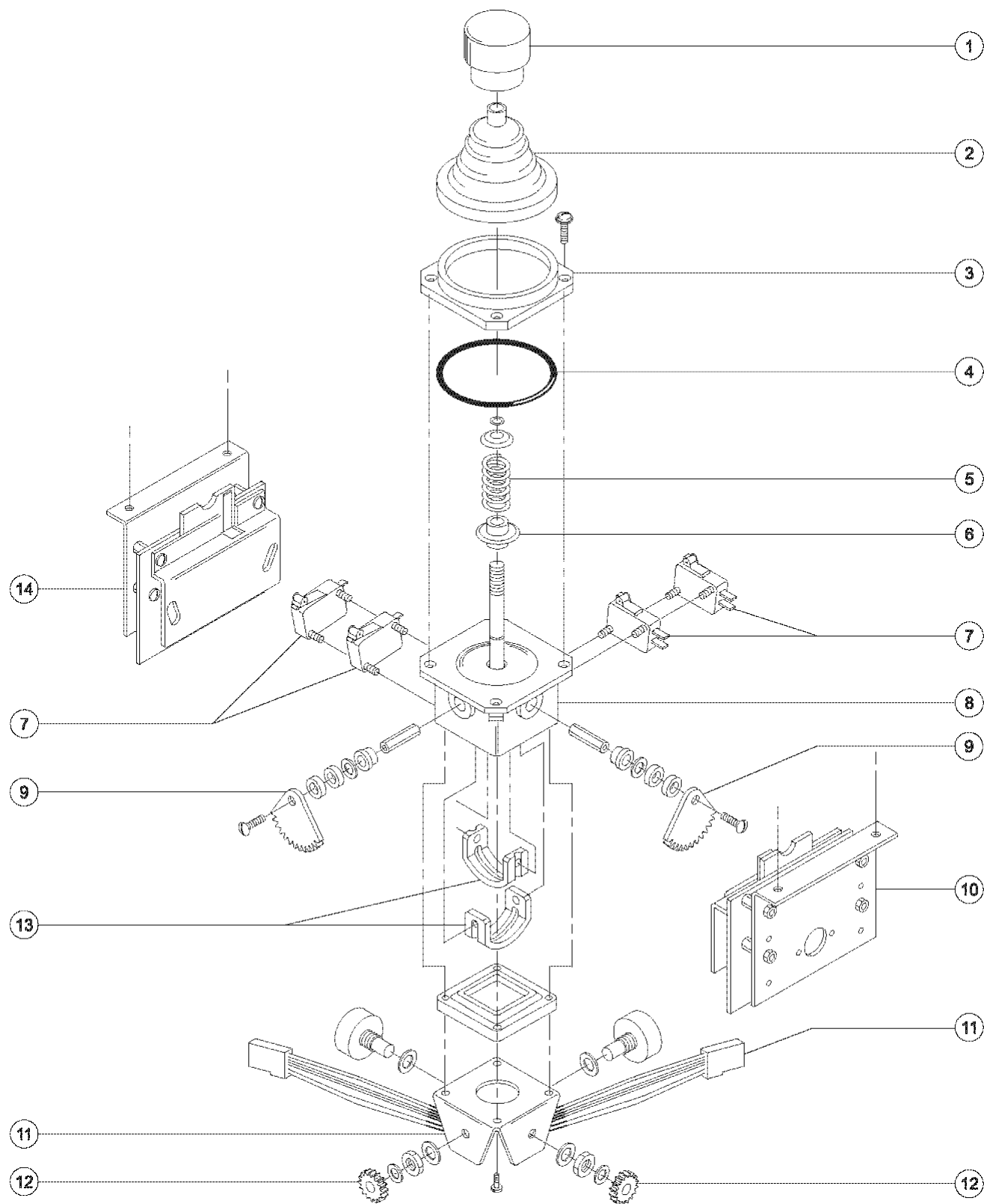
705.1 Joystick Controller - Boom Functions, Single Axis



705.1 Joystick Controller - Boom Functions, 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	19718	POTENTIOMETER,45049.....	1
6	27524	PCB,ASSY,24495.....	1
7	21434	SPRING & BUSHING KIT,RETURN***	1
8	19731	GEAR, SLAVE, MS4,45048.....	1
9	19712	MICROSWITCH,V3L-139-D8.....	2

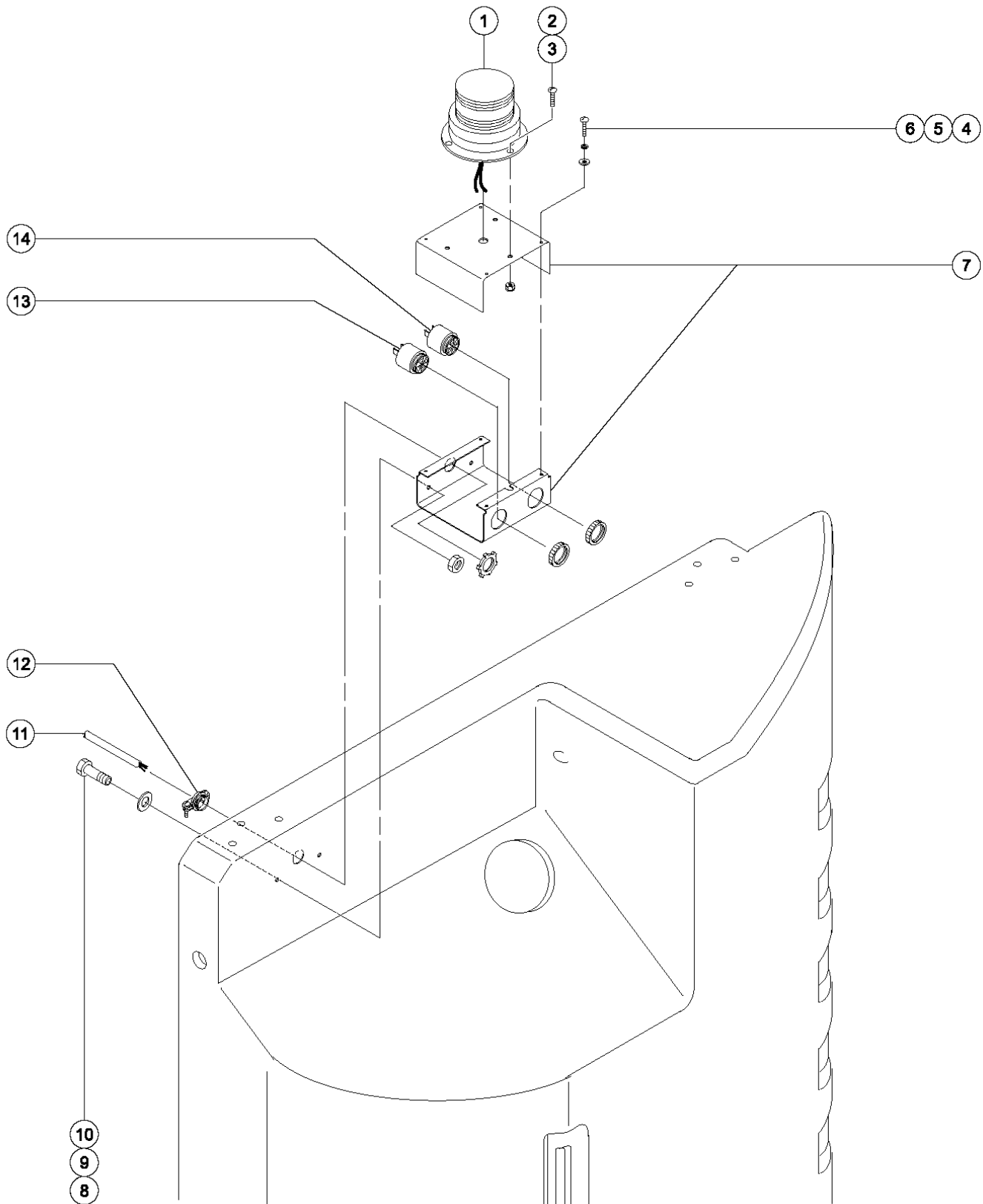
706.1 Joystick Controller - Boom Functions, Dual Axis



706.1 Joystick Controller - Boom Functions, Dual Axis

Item	Part No.	Description	Qty.
--	53073H	JOYSTICK,MULT AXIS CONT <i>aftermarket joystick replacement</i>	
--	53073	JOYSTICK,MULT AXIS CONT,OEM*** <i>OEM joystick, contains all shown service parts</i>	
1	27133	HANDLE,CAP,CONTROLLER.....	1
2	27134	BOOT,CONTROLLER..... <i>includes item 3</i>	1
3	46272	FLANGE-JOYSTICK MOUNTING,44988.....	1
4	31526	O-RING,BOOT,CONTROLLER.....	1
5	27511	SPRING,24493 CONTROLLER.....	1
6	31283	BUSHING,SPRING SEAT.....	1
7	19712	MICROSWITCH,V3L-139-D8.....	4
8	31284	SHAFT ASSY W/HOUSING.....	1
9	27512	JOYSTICK, DRIVE GEAR, (24493).....	2
9A	58477	SHAFT (52587)***.....	2
10	52586	PCB,11179AB, (SWING)***.....	1
11	52161	POTENTIOMETER	
11	58442	POTENTIOMETER,ASSY(24493).... <i>includes potentiometers, mounting plate, wiring, molex connectors and hardware</i>	1
12	27514	GEAR, SLAVE, 24493.....	2
13	37948	SADDLES-SET(24493,40613,53073.	1
14	52585	PCB,11179CD,(LIFT)***.....	1

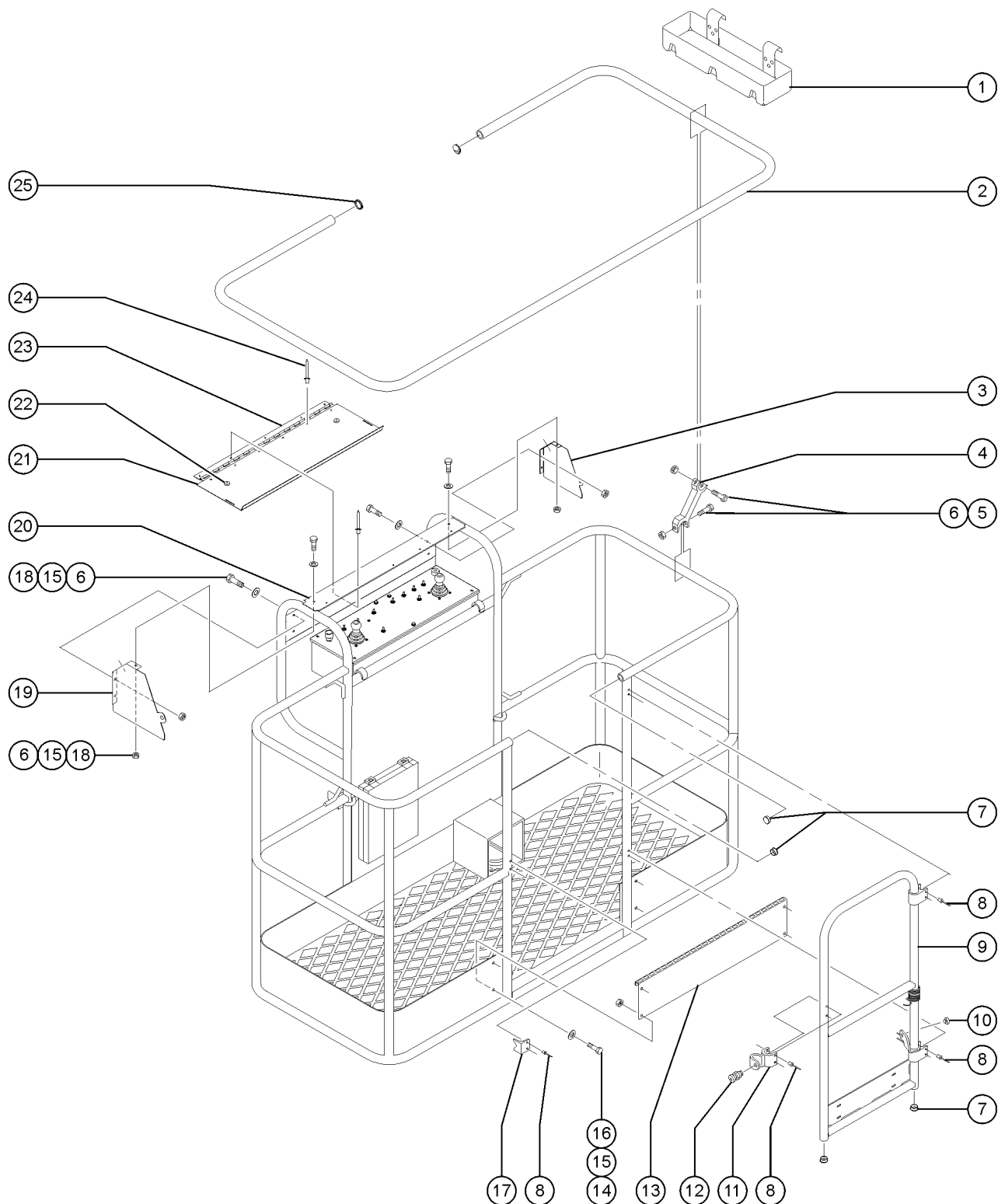
801.1 Alarm And Beacon Package



801.1 Alarm And Beacon Package

Item	Part No.	Description	Qty.
--	27519	ALARM PACKAGE,Z45	
1	56704	STROBE,FIREBOLT,12-80VDC,AMB** <i>(replaced 20189)</i>	.1
--	122019	FLASHTUBE,U SHAPED,360DEG,BULB	
--	226393	FLASHTUBE,STRAIGHT,360DEG,BULB	
--	72282	LENS,AMBER,STROBE,FIREBOLT	
2	6606	SCREW,RHM,10-32 X .75.....	3
3	6178	NUT,NYLOCK,10-32.....	3
4	5094	SCREW,RHM,10-32 X .5.....	4
5	6607	WASHER,LOCK,#10 PLTD.....	4
6	6146	WASHER,FLAT,MS,#10,Y.....	4
7	27368P	BRACKET,ACCESSORY,PAINTED..	1
8	6090	SCREW,HHC,1/4-20 X .75.....	2
9	6638	WASHER,FLAT,USS,1/4"Y.....	2
10	6091	NUT,NYLOCK,1/4-20.....	2
11	43960	WIRE CABLE,16/4 CON.TPE JKT.....	144-inches
12	6622	GROUND CONNECTOR,1/2".....	1
13	45462	ALARM,CHIME TONE 5-25VDC***	1
		<i>Does not include 72326 nut</i>	
--	72326	NUT - PLASTIC,RING FOR ALARMS.....	1
14	18963	ALARM.INTERMITTENT TONE.24V.....	1
		<i>Does not include 72326 nut</i>	
--	72326	NUT - PLASTIC,RING FOR ALARMS.....	1

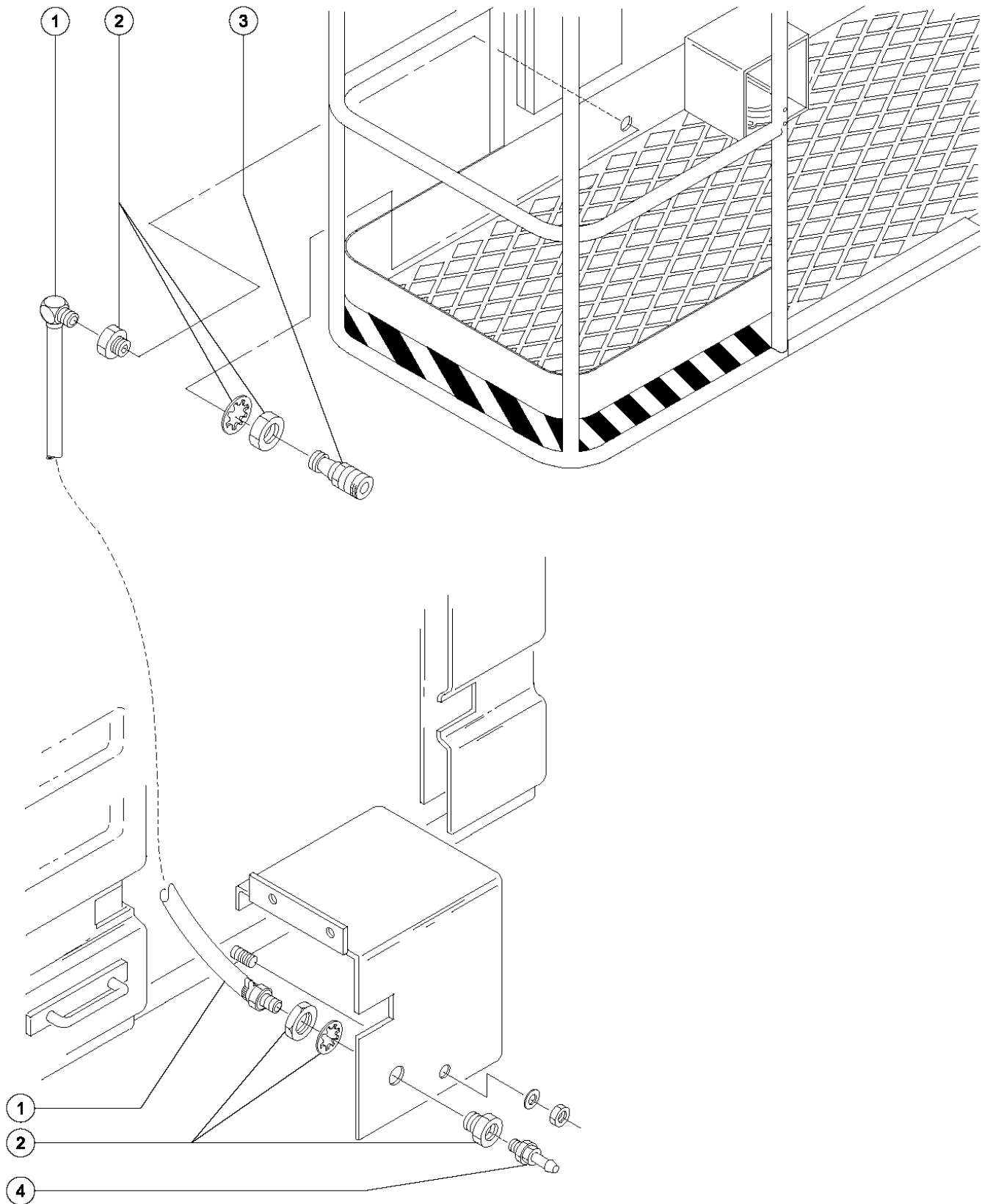
802.1 Platform Options



802.1 Platform Options

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
1	9599-S	TOOL TRAY ACCESSORY***.....1		--	119795	KIT,CONTROL BOX COVER <i>includes part 89915P, index number 20 is required for first time installation</i>	
2	28329	RAILING,PINCH GAURD,4 FT.....1 <i>includes 2 each index number 31</i>		22	43392	BUMPER,BATTERY BOX & RAILS	
--	28327	RAILING,PINCH GUARD,6 FT.**.....1 <i>includes 2 each index number 31</i>		23	111526	HINGE,PLAT CONTROL BOX COVER	
--	28328	RAILING,PINCH GAURD,5 FT. <i>includes 2 each index number 31</i>		24	54486	RIVET,ALUM,ALUM,3/16BUTTONHEAD	
3	119797	CONTROL BOX COVER, RIGHT SIDE*		25	55753	BUMPER, PLASTIC, 1.25 O.D.....2	
4	28807	SUPPORT,RAILING.....10					
5	4266	SCREW,HHC,1/4-20 X 2.....20					
6	6889	NUT,LP NYLOCK,1/4-20.....20					
7	31120	PLUG,NYLON 1.187 BLACK DOMED.....4					
8	7265	RIVET,STEEL,P, .25 X .375.....14					
9	119950	KIT,FIELD INSTALL,SWING GATE.....1 <i>includes 128368, 1487, 1488, and 33674</i>					
--	128368	KIT,SWING GATE W/SPRING <i>includes 2 each index number 7</i>					
--	9596	HINGE CASTING					
10	43392	BUMPER,BATTERY BOX & RAILS.....1					
11	1487	GATE LATCH CASTING--DRILLED.....1					
12	12161	SNAP PIN,(RD.NOSE)-GATE LATCH.....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	6090	SCREW,HHC,1/4-20 X .75.....2					
19	119796	CONTROL BOX COVER,LEFT SIDE**					
20	119562P	GUARD,PLATFORM CNTRL PANEL PTD					
--	119642	KIT,PLAT CONTROL PANEL GUARD** <i>includes part 119562P, required for first time installation</i>					
21	89915P	COVER,CONTROL BOX LID					

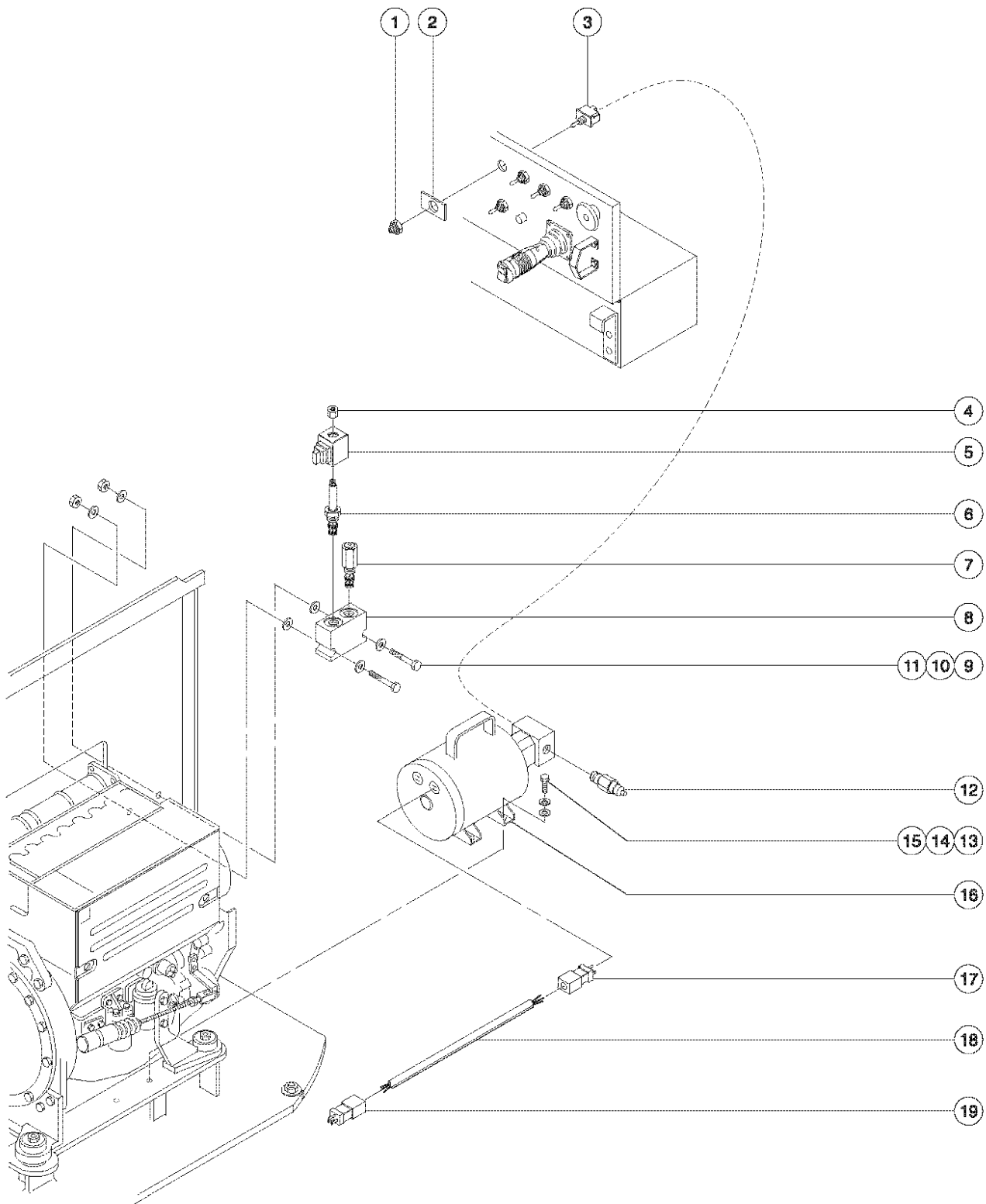
803.1 Airline to Platform



803.1 Airline to Platform

Item	Part No.	Description	Qty.
--	27890	KIT,FITTING,AIRLINE TO PLATFRM	
1	27905	HOSE ASSY,AIRLINE TO PLATFORM.....	1
2	27900	BULKHEAD,FEMALE X 6 X 6.....	2
3	27895	COUPLER,1/4"SERIES 3/8 MPT.....	1
4	27894	PLUG,1/4"SERIES,3/8 MPT.....	1

804.1 Generators



804.1 Generators

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.
--	28673	OPTION,2000W HYD GENERATOR Z45		--	T111608	SEAL,RETAINING RING	
--	44430	GENERATOR, 3000W HYD. Z45		--	T111609	SEAL,SHAFT	
1	27246	BOOT,TOGGLE SWITCH,SHORT*.....1	1	--	T111610	SPACER	
2	32728	DECAL,OPTION GENERATOR***...1	1	--	T111611	BEARING,MOTOR	
3	128205	SWITCH TOGGLE ASSY DPDT 2P MNT.....1 (replaced 27378-S)	1	--	T111612	RETAINING RING	
4	45912	NUT,SOLENOID,2POS 3WAY.....1	1	--	T111613	SHAFT,MOTOR	
5	45911	COIL,20VDC.....1	1	17	119403	CONN,PLUG 120 AC/15A DOMESTIC.....1	1
6	45490	VALVE,SOLENOID 2 POS.3 WAY....1 includes index numbers 4 and 5	1	18	43956	WIRE CABLE,14/3 CON.TPE JKT*.....72-inches	
7	44950	VALVE,RELIEF,1500 PSI***.....1	1	19	119404	CONN,RECEP 120AC/15A DOMESTIC.....1	1
8	28675	MANIFOLD,ASSY,GENERATOR.....1 includes index numbers 4 through 7	1				
9	4266	SCREW,HHC,1/4-20 X 2.....2	2				
10	6638	WASHER,FLAT,USS,1/4"Y.....6	6				
11	6091	NUT,NYLOCK,1/4-20.....2	2				
12	32735	VALVE,PRI. FLOW REG 4.3.....1	1				
13	6888	SCREW,HHC,1/4-20 X 1.....4	4				
14	6356	WASHER,LOCK,.25.....4	4				
15	12906	WASHER,FENDER,.25 X 1.25 X.062.....4	4				
16A	58301	GENERATOR,2000W,HYDRAULIC***.1 includes index number 12	1				
--	32732	RECTIFIER ASSEMBLY					
--	32734	BRUSH ASSEMBLY					
--	32736	MOTOR,HYDRAULIC GENERATOR					
--	58402	BRIDGE,50A FULL WAVE**					
16B	111381	GEN,HYD,3000W,110V,60HZ.....1 includes index number 12	1				
--	147836	SEAL, GASKET, .00075" *GOLD*					
--	147837	SEAL, GASKET, .0005" *SILVER*					
--	147838	SEAL, GASKET, .0010"					
--	147839	ASSM, GEN. ONLY, 110V, 60HZ					
--	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***					

Gasoline/LPG Models



805.1 Cold Start Package - Ford and Deutz Engines

Item	Part No.	Description	Qty.
--	30502	COLD START PKG,DEUTZ F3L1011	
--	35609	COLD START PKG,FORD LRG	
1	28853	BLANKET,BATTERY.....2 <i>Gasoline/LPG and Diesel models</i>	
2	35610	HEATER,FREEZE PLUG,FORD LRG423.....1 <i>Gasoline/LPG models</i>	
3	13037-S	SWITCH,TOGGLE,SPDT,3POS MOMEN*.....1 <i>includes mounting fasteners; Diesel models</i>	
4	32726	DECAL,OPTION GLOW PLUGS***.....1 <i>Diesel models</i>	
5	27246	BOOT,TOGGLE SWITCH,SHORT*.....1 <i>Gasoline/LPG and Diesel models</i>	
6	31408	GLOW PLUG,L1011.....1 <i>Diesel models</i>	
7	6091	NUT,NYLOCK,1/4-20.....2 <i>Diesel models</i>	
8	6638	WASHER,FLAT,USS,1/4"Y.....4 <i>Diesel models</i>	
9	6090	SCREW,HHC,1/4-20 X .75.....2 <i>Diesel models</i>	
10	27155	SOLENOID,12V CONTINUOUS***.....1 <i>Diesel models</i>	

Part Number Index

The Part Number Index is a numeric index of all part numbers included in this manual. The index shows what page(s) the part is used on.

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
102992	135–136	14033	125	20880	69, 73, 91	24495H	145
10597	31, 51, 61, 67, 85, 121, 131, 135–136	14041	107, 139	20923	41–43, 57–59	24503	27, 29, 47, 49
10775	139	144161	121	20973	135–136	24504	53
110194	29, 33, 35, 49, 53, 55, 102	146160	23	21121	77–78, 135–136	24544	23, 25, 45
110195	53	146161	29, 49	21130	67, 73, 91	24551	67
110197	29, 49, 102	146165	101–102	21141	95	24552	77–78
110200	93, 101–102	147094	105	21142	31, 51	24559P	97, 99
110201	102	147623	135–136	21143	31, 51	24560P	95
110202	101–102	147624	135–136	21144	31, 51	24593P	61, 85
111381	155	147625	135–136	21145	31, 51	24655	125
111526	151	147836	155	21146	31, 51	24667	51
112308	61, 85	147837	155	21148	31, 51	24668	31
112379	61, 85	147838	155	21149	31, 45, 51	24670	129
11855	139	147839	155	21166	23, 25	24674	33
119403	121, 155	1484	11, 13, 15, 17, 19, 21	21246	113–114	24675	23
119404	155	1487	151	21252	38, 42–43, 57– 59, 113–114	24678	125
119562P	151	1488	151	21253	109, 111	24705	27, 47
119642	151	16397-S	105, 141	21383	11, 15, 17	24998P	129
119795	151	16584	89	21434	145	25058	23, 25, 45
119796	151	17626	135–136	21444	33, 53	25060	117
119797	151	17712	121	21465	77–78, 97, 99	25061	117
119950	151	17830	27, 47	21483	58–59	25062	125
12161	151	18238	127, 131	21496	73, 91	25063	117
122019	149	18471	27, 47	21604	97	25064	131
122512	105	18503	75, 81	21618	61, 85	25065	131
122513	141	18504	61, 85	21619	131, 136	25066	13, 21
122514	105, 141	18505	45	21935	102	25067	93
122606	105	18506	71, 83	21982	105	25068	93
12340	133	18543	73	22052	139	25071P	129
12342	37–38, 42–43, 58–59	18596	23, 27, 47	22099	58–59	25072P	129
12344	139	18651P	109, 111	22202	93	25375	29, 33, 35, 49, 53, 55, 101–102, 131
12443	135–136	18665	107	22273	41–43, 57–59	25548	81
12446-S	135–136	18687	114	22278	67, 73	25567	99
1254826	91	18963	149	22279	73, 81	25568P	65
1255653	91	19136	113–114	22364	143	25569P	65, 75
1268	11, 13, 15, 17, 19, 21	19141	63, 65, 89	22365	143	25571P-S	67, 73, 81
128205	105, 141, 155	19207	102	22366	143	25572P	67
128368	151	19331	61, 85	22367	143	25635	61, 85, 121
128658	73	19418	45	22368	143	25637	61, 65, 67, 75
12906	109, 125, 135– 136, 155	19440	23, 25, 45	223763	23, 29, 49, 101– 102	25651	113–114
12960	107, 139	19487	97, 99	22431	135–136	25677	117
13000	61, 85, 136	19491	27, 47, 123	22432	135–136	25679	127
13002	91	19506	105	22433	135–136	25680	125
13014	75, 83	19606	97, 99	22434	135–136	25807	107
13037-S	105, 141, 157	19685	113–114	22435	135–136	25808	107
13038-S	141	19687	113–114	22541	27, 47	25816	131
13064	31, 45, 51, 93	19700	131	22578	91	25817	23, 25, 45
13066	67	19712	145, 147	226393	149	25820P	97, 99
13119	37–38, 41–43, 57–59, 113–114	19718	145	22665	57–59, 113–114	25836	107
13120	37–38, 41–43, 57–59, 113–114, 133	19720	145	22699	89	25837	107
13268	105, 129, 141	19731	145	22700	65, 75, 77–78, 81, 83, 89, 91	25854P	67
13471	105, 141	19859	81	22794	93	25855P	61, 85
13480-S	105, 141	20193	31, 51	22965	73, 81, 89	25857	125
13482	135–136	20224	33, 35, 37–38, 42–43, 53, 55, 58–59, 102, 114	230483	125	25879	95
13576	41–43, 57–59	20262	135–136	23057	77–78, 83, 91	25881	143
13585	139	20318	29, 49, 53	23154-S	23, 25, 45	25882	143
13755	37–38, 42–43, 58–59	20324	37–38, 41–43, 57–59	2327	97	25883	143
13756	133	20325	37–38, 41–43, 58–59, 113–114	23680	143	25884	143
13757	38, 42–43, 59	20326	113–114	23688	143	25951	38, 42–43, 58–59
13775	61, 85, 131	20332	113–114	23938	55	25966P	131
13852	131	20334	113–114	24037	65, 75, 83	25967	73, 97
13918	85	20395	109	24038	65, 75, 83	25974	107
13921	38, 42–43, 59, 133	20424	143	24040	65, 75, 83	25975	13, 21
139709	87	20424H	143	24165	81	25979	13, 21
		20517P	69, 73, 91	24390	23, 25, 45	25980	13, 17
		20690	81	24403	31, 45, 51	25981	13, 21
		20710	37–38, 42–43, 58–59	24411	131	25982	21
		20776	107	24470	81	25983	13, 21
		20793	113–114	24484	27, 47	25988	21
				24485	93	25989	13, 21
				24486	93	25990	13
				24495	145	25994	11, 13
						27001	17

Part Number Index (continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
27003	13	27685	23, 25	28047	11, 13	29073	91
27010	67, 73, 77-78, 81	27686	23	28051	109, 111	29082	131
27022P	65	27699	129	28076	87	29083	131
27023P	65	27758	33, 53	28131	136	29183	127
27033P	141	27759	33, 53	28143	109, 111	29267	127
27034	65, 75, 77-78, 83	27761	33, 35, 53, 55	28146	133	29350	135-136
27040	97, 99	27762	33, 53	28147	133	29382	123
27044	21	27763	33, 53	28157	11, 13	29431	136
27067	31, 51, 81, 89	27764	53	28158	11, 13	29436	67, 73, 81, 89
27071	97, 99	27765	53	28159	11, 13	29439	63, 71
27087	97, 99	27766	33	28160	15, 17	29516	109, 111
27089	77-78, 97, 99	27802	102	28161	11, 13, 15, 17,	29541	109, 111
27114	109, 111	27803	29, 49, 102		19, 21	29543	109, 111
27115	139	27804	102	28164	11	29555	87
27126	109, 111	27805	102	28165	19, 21	29557	89
27129	109, 111	27806	101-102	28171	11	29559	89
27133	145, 147	27807	101-102	28174	13, 15, 17	29560	91
27134	145, 147	27890	153	28175	11	29606	67, 73
27135	145	27894	153	28176	19	29616	67, 73, 81
27137	109, 111	27895	153	28177	11	29737	55
27142	67, 73, 81	27900	153	28179	13	29739	67, 73, 81, 89
27155	157	27903	81	28181	19	29744	29, 49
27189	113-114	27905	153	28235	11, 13, 15, 17	29764	131
27191	113-114	27908	69	28236	19, 21	29770	63
27193	113-114	27915	63, 71, 91	28298	107	29883	45
27202	113-114	27916	63, 71, 81, 91	28299	107	29935	11, 13
27204	19, 21	27917	67	28316	133	30080	13, 17, 19, 21
27205	19, 21	27919	69	28327	151	30084	13
27206	19, 21	27922	69	28328	151	30286	131
27207	19, 21	27933	114	28329	151	30430	93
27210	63, 65	27934	114	28352	23, 25, 45	30438	89
27243	11, 13, 17, 21	27942	65	28443	136	30502	157
27244	13, 17, 21	27943	65, 75, 83	28444	58-59	30769P	91
27246	105, 141, 155,	28000	133	28447	37-38, 42-43,	30785-1000	91
	157	28001	133		58-59	30785-1500	67, 73
27274P	109, 111	28003	133	28456	37-38, 41-43,	30794	107
27275	93	28004	133		58-59	30806	89
27287	105	28005	133	28457	37-38, 42-43,	30810	71
27318	23, 25	28006	133		58-59	30823	131
27342P	67	28007	133	28469	121	30964	89
27368P	149	28008	133	28470	121	30971	77-78
27369	11, 13, 15, 17	28009	133	28647	63, 67, 71, 77-78	31029	97
27372	93	28011	113-114	28648	63, 67	31060	11, 15, 19
27374	27, 47	28012	113-114	28649	63	31078	119
27377	109, 111	28013	37-38, 42-43,	28650	63	31082	127
27421	114		58-59, 113-114	28651	63, 71	31100	102
27427	45	28014	113-114	28652	63	31105	119
27431	41-43, 57-59	28015	113-114	28653	63, 71	31106	119
27497	27, 47	28016	113-114	28654	63	31120	151
27506	61, 85	28017	113-114	28656	63, 71, 77-78	31194	93
27510	97	28020	63, 65	28658	63	31249	67, 81
27511	147	28021	57-59	28659	63	31250	69
27512	147	28025	57-59	28660	63	31261	101-102
27514	147	28027	37-38, 41-43,	28662	63, 71	31262	101-102
27519	149		58-59	28663	63	31283	147
27520	11, 13, 15, 17	28028	37-38, 41-43,	28664	69	31284	147
27524	145		58-59	28665	63	31351P	73
27527	135-136, 139	28029	41-43, 57-59	28666	63	31406	33, 53
27531	29, 49	28030	41-43, 57-59	28673	155	31408	157
27532	29, 49	28031	41-43, 57-59	28675	155	31523	87
27553	119	28032	37-38, 41-43,	28689	107	31526	145, 147
27555	119		57-59	28713	63, 77-78	31701	101-102
27564	11, 15	28033	41-43, 57-59	28714	63, 71	31702	81
27577	113-114	28034	41-43, 58-59	28716	63	31800	59
27639P	65	28035	37-38, 41-43,	28717	65, 67, 73, 75,	31802	58-59
27640	65		57-59		81, 83	32027	135-136
27646P	109	28036	37-38, 41-43,	28718	67	32029	135-136
27647	129		57-59	28750	37-38, 93, 133	32030	135-136
27661	23, 27, 47	28037	41-43, 57-59	28769	63	32032	135-136
27664	31, 51	28040	37-38	28770	65	32035	102
27666	25, 45	28041	37-38	28807	151	32150	11, 13, 15, 17,
27667	45	28042	11, 13	28829	97		19, 21
27668	45	28043	11, 13	28836	67	32151	11, 13, 15, 17,
27678	127, 131	28044	11, 13	28853	157		19, 21
27680	131	28045	11, 13	29025	45	32210	58-59
27684	23, 25	28046	11, 13	29057	23, 27, 47	32224	93

Part Number Index (continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
32358	131	34058	71	43255	23, 29, 49, 101–102	45367	41–43, 57–59
32611	67, 73, 81, 89	34059	89	43392	151	45382	127
32637	139	34226	89, 99	43597	35, 55	45383	139
32638	139	34244	109	43599	93	45384	105, 107, 141
32639	139	34265	87	43601	93	45392P	119
32669	93	34448	31, 35	43647	11, 19	45395	133
32695	89	34503	107	43659	11	45400	61, 85
32698	87	34615	93	43663	11	45412	37–38, 41–43, 57–59, 114, 133
32710	135–136	34886	107	43687	61, 85	45425	127
32722	131	34927P-S	75	43688	61, 85	45437	139
32726	19, 157	34929	75	43728	87	45438P	119
32728	19, 155	34935	73	43946	85	45454	45
32732	155	34936	73	43955	139	45460	23, 25
32734	155	34942P-S	75	43956	121, 136, 139, 155	45461	31
32735	155	34943P-S	75	43957	136	45462	149
32736	155	35020	11	43960	123, 149	45465	127
32748	87	35031	13, 17, 21	44064	89, 91	45483	33, 53
32749	87	35078	37–38, 42–43, 58–59	44083	38, 42–43, 58–59	45490	155
32768	67, 73	35237	38, 42–43, 58–59	44093	38, 42–43	45533	133
32922	19, 21	35238	38, 43, 59	44211	143	45546	139
32954	125	35239	37–38, 42–43, 58–59, 113–114	44212	143	45548	23, 25, 45
32969	63	35240	113–114	44221	143	45561	125
32974	102	35241	38, 42–43, 58–59	44275P	123	45702	57–59
32975	102	35242	38, 42–43, 58–59	44282	117	45742	127
32987	119	35245	58–59	44430	155	45745	127, 131
32991	139	35434	71, 77–78	44586	61, 85	45748	125, 131
33024	73, 81, 89	35440	11	44743	135–136	45782	91, 107
33077	89	35444	73	44769	19	45873	23, 25
33179P	111	35460	75	44805	117, 125	45898	125
33182P	111	35461	27, 47, 75	44806	119	45911	155
33199P	91	35465	109, 111	44896	123	45912	33, 53, 93, 155
33201P	87	35474	95, 97, 99	44936	123	45914	102
33211	111	35586	87	44950	155	45921	102
33236P	111	35609	157	44981	15, 19	46014	95
33239	87	35610	157	44986	19	46131	77–78, 81
33240P	91	35934	107, 139	45040	23, 25	46164	73
33241P	91	35950P	93	45043	23, 25	46183	38, 42–43
33356P	89	36203	73, 81	45066	31, 51	46184	38, 42–43
33418	87	36603	23, 27, 47	45070	119, 125, 131	46185	38, 42–43
33422	107	36858	45	45071	23, 25, 27, 45, 47, 117, 125	46272	147
33444	31	36859	45	45072	125	46674	81
33520	35, 55	36872	61, 85	45074	23, 25, 45	46926P	131
33521	55	37002	67, 73, 81	45093	23, 25	47186	87
33550	11, 13, 19, 21	37003	89	45094	31	4828	65, 69, 75, 83, 85, 95, 97, 99, 109, 111, 117, 121, 125, 131
33562	55	37017	81	45107	23, 25	48360	11, 19
33629	139	37033	91	45108	23, 25	48361	11, 19
33715P	73	37097	31, 51	45110	23, 25	48440	67, 73
33724	139	37505	87	45111	23, 25	48448	27, 47
33729	89	37947	105	45112	23, 25	48470	95
33931	63	37948	147	45113	23, 25	48471	77–78
33949	19	37950	87	45114	23, 25	48475-S	77–78
33952	19	38156	61, 85	45117	119	48477	77–78
33955	71	39591	139	45118P	119	48496P	127
33957	71, 77–78	40033	51, 55	45139	136	48498	75, 81, 83
33958	71	40136	23, 25	45161	95	48499	109, 111
33960	71, 77–78	40137	31	45166	113–114	48500	109, 111
33961	71	40170	135–136	45170	113–114	48501	109, 111
33963	71, 77–78	40617	101–102	45171	63, 65, 75, 83	48648	23, 29, 49, 101–102
33964	71, 77–78	40837	31	45200	136	48649	23, 29, 49, 101–102
33965	71, 75, 77–78, 83	40838	23, 25	45201	136	48658	55
33966	71, 77–78	40983	101–102	45202	136	48880	33, 35, 37–38, 42–43, 53, 55, 58–59, 102, 114
33968	71, 77–78	41020	136	45209	121, 127, 131	48997	33, 35, 37–38, 42–43, 53, 55, 58–59, 102
33969	75, 83	41332	125, 127	45226	23, 25, 27, 45, 47, 117, 125, 131	49177-1992	37–38, 42–43, 58–59
33970	71, 78	41335	93	45268	117	49189-4263	38, 43, 59
33972	71, 77–78	41912	31, 51	45298	127	49408	77–78, 83
33988	81	41920	31, 51	45303	127		
33994	29, 35, 49, 55, 93, 101–102	41921	31, 51	45313	136		
33995	75	41922	31, 51	45360	37–38, 42–43, 57–59		
33996	135–136, 139	42157	93	45361	113–114		
34052	107	42463	113–114	45366	38, 42–43, 59, 114		
34053	107	42484P	31, 51				
34054	107	42540	102				
34055	107	42571	93				
34056	107	4266	111, 151, 155				
34057P	107						

Part Number Index (continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
49736	77-78	52786-S	77-78	111, 119, 123,	72867	19	
49740	81	52943	29, 49, 102	125, 127, 129,	7339	69, 129	
49745	123	53073	147	131, 135-136,	74902	29, 33, 49, 53,	
49770	67, 73, 81, 89	53073H	147	141, 149, 151,		102	
49810	125	53527	95	155, 157	7713	73, 85, 91	
49821	27, 47, 123	53605	97	6095	61, 65, 67, 75,	77139	69, 73, 91
49881	71, 77-78	5361	23, 25, 45		83, 85, 121, 123,	77170	75, 83
49887	143	5365	91		135-136	77219	77-78
49897	51	53832	77-78, 81	6096	67, 73, 83, 89	77990	73, 89
49898	77-78	53952	71, 81, 91	6097	65, 75, 83, 85,	8170	61, 85
49915	87	5397	27, 31, 47, 51,		93, 95, 109, 111,	8177	67, 81, 123
49917	89		61, 81, 85, 89,		121	8255	31, 51, 61, 73,
49919	89		95, 97, 99, 109,	6145	109, 111, 127		85, 91, 95, 97,
49921	89		111, 136	6146	73, 149		99, 109, 111
49923	91	54010	23, 25, 31	6175	23, 25, 27, 45,	83081	51
49924	91	54071	69, 73, 83		47, 65, 69, 73,	83151	109, 111
49929	89	54123	77-78		81, 83, 89, 97	8357	65, 75, 83
50432-S	83	54139	31, 51	6178	27, 47, 105, 135-	84133	55
50437-S	83	54166	83		136, 149	84134	33, 35, 53
50446	81	54222	67, 73, 81, 89	6198	65, 67, 75, 83	84135	35, 55
50574-S	77-78	54234	23, 25, 31	6271	135-136	8516	75, 83, 125
50588-S	83	54486	151	6326	117	88356-11103	27, 47
50589-S	83	54525	105, 141	6356	23, 27, 47, 61,	8843	139
50705-S	83	54530	125, 127		69, 73, 77-78,	88455	77-78
50709-S	83	54627	23, 25, 31, 45, 51		81, 85, 91, 93,	8914	73, 77-78, 91,
50710-S	83	54817P-S	135-136, 151		105, 107, 109,		107, 109, 111,
50717-S	81	55753	151		111, 121, 123,		127, 131, 141
50764-S	83	56057	107		125, 127, 131,	8915	73, 109, 111,
50799	77-78	56264	69, 73		155		127, 151
50925-S	83	56298	105, 141	65766	93	89310	102
5094	105, 149	56704	149	65770	73	89722	29, 49
50948	81	56848	141	65815	63, 71, 91	89785	89
50976-S	83	56912	23, 27, 31, 47,	6584	91	89915P	151
52000	155		51, 111, 131	65842	131	94922	77-78
52001	155	58176	89	65865	51	9596	151
52006	71	58256	91	6606	149	9599-S	151
52007	71	58301	155	6607	73, 149	97128	27, 47
52033	29, 49, 102	58402	155	6608	123	97887	19, 21
52034	29, 49	58438	31, 51	6622	139, 149	97890	11, 19
52076	71, 77-78	58442	147	6637	131	T107827	61, 85
52077	71, 77-78	58477	147	6638	23, 27, 31, 47,	T111608	155
52078	71, 77-78	58480	71		51, 69, 73, 77-	T111609	155
52079	71	58589	31, 51		78, 83, 85, 91,	T111610	155
52080	71	58900	77-78		93, 105, 109,	T111611	155
52087	31, 51	58917	81		111, 119, 125,	T111612	155
52160	95	58928	71		127, 129, 131,	T111613	155
52161	147	58944	155		135-136, 141,	T114678	91
52162	135-136	58954	155		149, 151, 155,		
52163	135-136	58967	77-78		157		
52166	135-136	58994	33, 53	6666	121		
52167	135-136	6002	45, 71, 91	66811	105		
52177	136, 139	60036	81	66812	105, 141		
52179	77-78	6019	27, 47, 65, 67,	66813	141		
52230	19		117, 131	66815	141		
52352	91	6021	23, 25, 27, 31,	66816	105, 141		
52353	89		45, 47, 51, 61,	66818	105, 141		
52355	107		65, 67, 73, 81,	66821	105, 141		
52449	111		85, 89, 95, 97,	6782	136		
52450	109		99, 109, 111	6833	123, 135-136		
52564	81	6024	87	6886	61, 71, 85, 89, 91		
52566	77-78	6033	31, 51, 61, 67,	6888	61, 73, 85, 123,		
52570	77-78		73, 81, 85, 89,		125, 127, 131,		
52573	77-78		121, 123, 131,		135-136, 155		
52575	77-78		135-136	6889	61, 73, 77-78,		
52577	77-78	6037	89		83, 85, 91, 129,		
52579	77-78	60857	69, 73, 91		151		
52580	77-78		23, 27, 31, 47,	6935	121, 139		
52585	147		51, 69, 73, 77-	7056	121, 123, 139		
52586	147		78, 81, 83, 91,	7057	139		
52592	77-78		105, 109, 111,	72043	33, 53		
52652	77-78		121, 125, 127,	72245	143		
52656	77-78		129, 131, 135-	72255	91		
52658	81		136, 149, 151,	72282	149		
52726	35, 55		157	72319	31, 51		
52762	77-78, 81	6091	69, 73, 77-78,	72326	149		
52785-S	77-78		91, 97, 99, 109,	7265	151		

Part Description Index

The Part Description Index is an alphabetical index of all part descriptions included in this manual. The index shows what page(s) the part is used on.

#			BEARING,MOTOR.....155			CAP,DUST,45873 HUB KIT.....23, 25		
5			BEARING,SWING CHASSIS.....93			CAP,FILLER BREATHER,3 MICRON**.....95		
#10 X 1.50 PHTS-SQ.DRIVE SCREW.....109			BELT,SERPENTINE,LRG425 EFI***.....77-78			CAP,FUEL,GREEN*.....99		
5			BELT,TIMING,DEUTZ F3L1011F.....89			CAP,FUEL,RED***.....97		
5/16-18 X .75 LG.FLG.LCK.SCREW.....71, 83			BELT,TIMING,FORD LRG423/425EFI.....73			CAP,OIL FILLER,DEUTZ,DIESEL***.....89		
5/16-18 X 2.25 LG.FLG.LCK.SCRW.....45			BELT,TIMING,FORD LSG-423**.....67			CAP,RADIATOR,FORD***.....65, 75, 83		
6			BELT,V, DEUTZ DIESEL ENGINE.....87			CARB REPAIR KIT, LSG/LRG-423.....63, 71		
6782,AIR INTAKE,FORD EFI.....81			BELT,V, FAN/ALT,FORD LSG423.....63			CARBURETOR,FORD-LRG 423,AUTO**.....71		
A			BLANKET,BATTERY.....157			CARRIER TERMINAL(5 PER BLOCK).....107		
A C C U M U L A T O R , 1 8 0 0 P S I			BOOT (20424).....143			CASTING,45049, 40612.....145		
PRECHARGE*.....27, 47			BOOT,CONTROLLER.....145, 147			Check Valve.....29, 49, 101-102		
ADAPTER,JIC SWIVEL/MALE PIPE...113-114			BOOT,THUMB 20424 JOYSTICK.....143			CLAMP PAIR,DUAL HOSE.....45		
ADAPTER,LP VENTURI.....77-78			BOOT,TOGGLE SWITCH,SHORT*.....105, 141, 155, 157			CLAMP, AIR CLEANER (27915)**.....63, 71, 91		
ADAPTER,THROTTLE ACTUATOR***.....77-78			BRACKET COOLANT TANK MT.....83			CLAMP,0.50,#8 X 1/4,RUB CUSH.....123, 135-136		
AIR CLEANER.....63, 71, 91			BRACKET, AIR CLEANER ATTCHMENT.....81			CLAMP,0.75,#12 X 1/4,RUB CUSH...105, 129, 141		
AIR CLEANER,FORD EFI***.....81			BRACKET, MAP SENSOR.....77-78			CLAMP,1.13,#18 X 1/4,RUB CUSH.....61, 85		
ALARM PACKAGE,Z45.....149			BRACKET, RELAY PANEL FORD.....77-78			CLAMP,1.50,#24 X 1/4,RUB CUSH.....131, 136		
ALARM,CHIME TONE 5-25VDC***.....149			BRACKET, ACCESSORY,PAINTED.....149			CLAMP,HOSE,.63.....77-78, 81		
ALARM,WARBLE TONE 5-30 VDC***.....139			BRACKET,ACTUATOR ARM MTG,PTD.....91			CLAMP,HOSE,1 EAR, 5/8.....77-78		
ALARM,INTERMITTENT TONE.24V.....149			BRACKET,AIR FILTER,FORD,PT'D.....67			CLAMP,HOSE,1.75,LINED.....63, 65, 75, 83		
ALTERNATOR, DEUTZ F3L10/F4L10*.....87			BRACKET,AIR FLTR/GOV.MT,PAINTD.....73			CLAMP,HOSE,2.00***.....71, 77-78		
ALTERNATOR,FORD LSG-423***.....63			BRACKET,AUX PUMP MOUNT,PAINT.....61, 85			CLAMP,HOSE,2.25" DIA.....75, 83		
ALTERNATOR,LRG-423 RE-BUILT*.....71, 77-78			BRACKET,EXHAUST GUARD,PAINTED.....67			CLAMP,HOSE,3.00".....77-78		
ANDERSON HOUSING,15-45 AMP BLK...135-136			BRACKET,EXHAUST PIPE,PAINTED.....89			CLAMP,HOSE,8.50 DIA***.....87		
ANDERSON HOUSING,15-45 AMP GRN.....135-136			BRACKET,LP REG.MOUNT,PAINTED.....73			CLAMP,HOSE,ALUMINUM***.....125, 127		
ANDERSON HOUSING,15-45 AMP RED.....135-136			BRACKET,SOLENOID MTG,PAINTED.....91			CLAMP,HOSE,SIZE .25 TO .63.....77-78, 97, 99		
A N D E R S O N			BRACKET-FILTER MNT.-PAINTED.....69, 73, 91			CLAMP,MUFFLER,2 1/4" ID.....89		
HOUSING,15-45,AMP,WHT.....135-136			BRACKET-PANEL-WIRE MOUNTING 99.....105, 141			CLAMP,RUB CUSH,0.75,#12 X 3/8*.....45		
ANGLE,RELAY MOUNTING,PAINTED.....107			BRAKE,MICO,1200 IN/LB***.....31, 51			CLAMP,RUBBER CUSHIONED-2 5/32.....27, 47		
ANGLE,SWING CHASSIS,PAINTED.....61, 85			BRCKT,AIR CLEANER MTG.PAINT.....91			CLEVIS YOKE-1/4-28,PLTD W/PIN.....67, 73, 91		
ASSM, GEN. ONLY, 110V, 60HZ.....155			BRIDGE,50A FULL WAVE**.....155			CLIP,HAIR PIN .125 X 2.....109, 111		
ASSY, CIRCUIT BREAKER 15A.....105			BRKT,AIR CLEANER ORIENTATION**.....71, 81, 91			COIL WITH DE CONNECTOR.....23, 29, 49, 101-102		
ASSY,RELAY SOCKET, AUTO.....107			BRKT,ENG.MNT.,FORD INBOARD.....65, 75			COIL, 12V, 19972/21623/29069.....102		
ASSY,TIRE & WH,STEER,AF.....23, 25			BRKT,ENG.MNT.,FORD OUTBOARD.....65			COIL, AUTOMATIC CHOKE.....63, 71		
ASSY,TIRE&WH.,NONMARK,14.5X7.....31			BRUSH 3/8 X 1/4 X 15/16(36928).....155			COIL, ELECTRONIC IGN., FORD.....71, 78		
ASSY,TIRE&WHEEL,Z45,FF,IND.....23, 25			BRUSH ASSEMBLY.....155			COIL, IGNITION,FORD.....69		
AWP 30AC STD,(95 STYLE).....63			BRUSH HOLDER ASSY, ALT,LRG423.....71			COIL,10V.....29, 49		
AXLE ASSY, RIGID FRONT (2WD).....23			BULKHEAD,FEMALE X 4.....93			COIL,12 VOLT (21299 MANIFOLD).....33, 53		
B			BULKHEAD,FEMALE X 6 X 6.....153			COIL,20VDC.....155		
BAFFLE,RADIATOR MNT-PAINTED.....109			BULKHEAD,NUT,070118-4.....93			COIL,SOLENOID VALVE 10V(24503).....29, 49, 102		
BAFFLE-RADIATOR,LOWER.....83			BUMPER, PLASTIC, 1.25 O.D.....151			COIL,SOLENOID,10V W/ DIODE.....93		
BALL STUD,1/2" BALL,3/8-16X1.2.....109, 111			BUMPER,BATTERY BOX & RAILS.....151			COLD START PKG,DEUTZ F3L1011.....157		
BASE, W/1 N.O. CONTACTS***.....141			BUSHING,SPRING SEAT.....147			COLD START PKG,FORD LRG.....157		
BASE,WITHOUT CONTACTS.....105, 141			BUTTON,PUSH,BLACK W/SEAL***.....141			COLLAR, BOOT RETAINING.....143		
BATTERY HOLD DOWN.....61, 85			C			COMPRESSION LINK WELDMENT.....119		
BATTERY, 12V,900 CCA.....61, 85			CABLE SQUEEZE CONN.....107			CONN,PLUG 120 AC/15A DOMESTIC.....121, 155		
BEARING KIT (45553) TORQUE HUB.....31, 51			CABLE SQUEEZE CONN.,XTRA LRG.....107, 139			CONN,RECEP 120AC/15A DOMESTIC.....155		
BEARING KIT,BRAKE,MICO.....31, 51			CABLE TIE,11.5" BLACK.....136			CONN,SQUEEZE,1/2NPT .38-.50,SM.....121, 123, 139		
BEARING,1.00IDX1.25ODX1.00L.....23, 25, 45			CABLE TIE,4" BLK,HEAT RESISTNT.....77-78, 135-136			CONN. SQZ,1/2NPT .38-.50,90DEG.....123		
BEARING,1.5ID X 1.75OD X .63L.....117			CAM ASSY (20424).....143			CONN. SQZ,1/2NPT .39-.56 MED.....139		
BEARING,1.5IDX1.75ODX1.5L.....23, 25, 27, 45, 47, 117, 125			CAM PLATE-UPPER BOOM PIVOT.....123			C O N N E C T O R		
BEARING,FL,1.5 X 1.65OD X 2.....127, 131			CAM,LIMIT SWITCH,BLUE.....123			ASSEMBLY,FOOTSWITCH.....136		
BEARING,GARLOCK,16DU12.....119, 125, 131			CAP, OIL FILLER, FORD LSG423.....63			CONNECTOR, DEUTZ FUEL SHUTOFF*.....91		
BEARING,GARLOCK,24DU24.....125			CAP,DIAGNOSTIC NIPPLE.....33, 35, 37-38, 42-43, 53, 55, 58-59, 102, 114			CONNECTOR,070102-8-8.....113-114		
			CAP,DISENGAGE-45553 TORQUE HUB.....31, 51			CONNECTOR,070120-10-12.....37-38, 42-43, 57-59		
			CAP,DISTRIBUTOR,FORD.....63			CONNECTOR,070120-12-12.....113-114		

CONNECTOR,070120-16-12.....37-38, 42-43, 58-59
 CONNECTOR,070120-4-4.....37-38, 42-43, 58-59
 CONNECTOR,070120-4-6.....133
 CONNECTOR,070120-6-4.....37-38, 42-43, 58-59
 CONNECTOR,070120-6-6.....37-38, 41-43, 57-59, 114, 133
 CONNECTOR,070120-6-8.....114
 CONNECTOR,070120-8-10.....57-59, 113-114
 CONNECTOR,070120-8-12.....41-43, 57-59
 CONNECTOR,070120-8-6.....41-43, 57-59
 CONTACT,N.O.....105, 141
 CONTACT,NC.....105, 141
 CONTACTOR,LIMIT SWITCH.....27, 47, 123
 CONTROL BOX COVER, RIGHT SIDE*.....151
 CONTROL BOX COVER,LEFT SIDE**.....151
 CONTROL BOX W/DECAL,PLAT.....139
 COOLANT RETURN SYSTEM,Z45***.....69, 73, 83
 Counterbalance Valve Sandwich.....101-102
 Counterbalance Valve Sandwich Platform Level.....101-102
 COUPLER,1/4"SERIES 3/8 MPT.....153
 COUPLER,HUB,15 TOOTH 7/16BOLT*.....67, 73, 81, 89
 COUPLING,FLYWHEEL,FL 15T 12.5".....67
 COVER ASSY,R.S.,Z45 (91).....109, 111
 COVER ASSY,REAR,Z45 (91).....109, 111
 COVER ASSY-L.S./Z45 FORD GAS.....109
 COVER ASSY-L.S./Z45-D.D.**.....111
 COVER CAP,TORQUE HUB***.....31, 51
 COVER CASTING,20424 CONTROLLER...143
 COVER PIVOT BRACKET WELD,LH.....109, 111
 COVER PIVOT BRACKET WELDMENT...109, 111
 COVER PLATE, PLATFORM ROTATOR.....131
 COVER SUPPORT WELDMENT,LH.....109, 111
 COVER SUPPORT WELDMENT,RH.....109, 111
 COVER W/DECAL,FRONT.....23, 27, 47
 COVER W/DECAL,REAR.....31, 51
 COVER, AUXILIARY POWER SWITCH.....105, 141
 COVER, END, PAINTED.....127
 COVER, NON-STEER AXLE, PAINTED.....31, 51
 COVER, SERVO (24667).....51
 COVER,BRAKE MANIFOLD,PAINTED.....93
 COVER,CONTROL BOX LID.....151
 COVER, COU N T R B A L A N C E VALVE,PNTD.....131
 COVER,ENGINE SIDE (F30-1011F).....89
 COVER,FRONT DEUTZ ENGINE.....87
 COVER,GFCI,WEATHERPROOF.....139
 COVER,KNOCK OUT HOLE,4 PER BAG...139
 COVER,LIFT MANIFOLD,PAINTED...109, 111
 COVER,WIRING DUCT, 1.5.....107
 CYL,ELEVATE,2.5 X 29 (SUN)***.....119
 CYL-HYD.-4BORE X 5.63 STK.....125
 CYLINDER,EXT,2.5 X 112.25.....127
 CYLINDER,LIFT,4 X 24***.....125
 CYLINDER,OSCIL.,2.5X3,DBL.ACT.....27, 47
 CYLINDER,SLAVE,3 X 9.5**.....131
 CYLINDER,STEER,2 X 6.....23, 25, 45

D

D03 Valve.....101-102
 DECAL KIT,COSMETIC,Z45,1991.....11, 13, 17, 21
 DECAL KIT,INSTRUCT,Z45,5/94.....13, 17, 21
 DECAL KIT,INSTRUCT,Z454X4 DIE.....11, 19
 DECAL KIT,INSTRUCT,Z454X4 GAS.....11, 19
 DECAL KIT,INSTRUCTIONAL,Z45.....13, 17, 21
 DECAL,ARROW BLUE.....19, 21
 DECAL,ARROW YELLOW LRG 9".....19, 21
 DECAL,COMPARTMENT ACCESS.....11
 DECAL,DANGER DO NOT ALTER SWTC.....11, 15, 19
 DECAL,DANGER FALL HAZ.....13, 21
 DECAL,DANGER MOVING PARTS.....13
 DECAL,DANGER,ELEC.HAZ.STAY CLR.....11, 15
 DECAL,DANGER,GEN SAFETY RULES.....11, 19
 DECAL,DANGER,NO SMOKING***.....11
 DECAL,DANGER,TILT ALARM***.....19
 DECAL,DIESEL.....11, 13
 DECAL,ELECTROCUTION HAZARD...13, 17, 21
 DECAL,GENIE 4WD, WHITE.....11, 13, 15, 17
 DECAL,GENIE BOOM, WHITE.....11, 13, 15, 17
 DECAL,GENIE BOOM,24.5",WHITE.....11, 15, 17
 DECAL,GENIE Z45/22,4 X 39.....11, 13
 DECAL,GENIE Z45/22,6 X 59.....11, 13
 DECAL,GROUND CONTROL PANEL.....11, 13
 DECAL,IMPROPER USE HAZARD.....13, 21
 DECAL,INSTR,MAX SIDE FRC,ANSI.....19, 21
 DECAL,INSTR,SIDE FRC/WIND,AUS.....19
 DECAL,INSTR,FOOTSWITCH OPER.....19, 21
 DECAL,LABEL,AIRLINE 110 PSI.....15, 19
 DECAL,LABEL,LFT/DRV SELECT.....19
 DECAL,LABEL,LIGHTS***.....19
 DECAL,LABEL,LIQUID PROPANE.....15, 17
 DECAL,LABEL,MANUAL NOT HERE.....19
 DECAL,LABEL,UNLEADED GAS ONLY.....11, 13
 DECAL,LANYARD ANCHOR.....21
 DECAL,NOTICE, FORD ENG SPEC**.....11
 DECAL,NOTICE, FUNCTION ENABLE*.....11
 DECAL,NOTICE,DEUTZ ENG SPEC**.....11
 DECAL,NOTICE,HAZARDOUS MAT'LS*.....11
 DECAL,NOTICE,MAX LOAD 500 LBS.....13, 17, 19, 21
 DECAL,NOTICE,OPER INST.IC***.....11, 19
 DECAL,NOTICE,SHUTOFF VALVES.....11, 13
 DECAL,NOTICE,TIRE PRESS&TORQUE..11, 13
 DECAL,OPER. INSTR.....13, 21
 DECAL,OPTION GENERATOR***.....19, 155
 DECAL,OPTION GLOW PLUGS***.....19, 157
 DECAL,PERFORM INSPECTIONS.....13
 DECAL,PLAT.FALL HAZARD.....21
 DECAL,PLATFORM CTRL PANEL***.....19, 21
 DECAL,POWER TO PLATFORM 115V.....11, 13, 15, 17
 DECAL,POWER TO PLATFORM 230V.....13, 15, 17
 DECAL,PROTECTOR PLAT,S80/60***.....19
 DECAL,SAFETY RULES.....13, 21
 DECAL,STRIPE,6 X 13,BLUE.....11, 13

DECAL,STRIPE,6 X 18,BLUE.....11, 13
 DECAL,STRIPE,6 X 21.4,WHITE.....11, 13
 DECAL,STRIPE,6 X 25.5,BLUE.....11, 13
 DECAL,TIP OVER MAX LOAD.....21
 DECAL,TRANSPORT TIE DOWN.....17
 DECAL,TRIANGLE,BLUE.....19, 21
 DECAL,TRIANGLE,YELLOW.....19, 21
 DECAL,USE DEXRON***.....11, 13
 DECAL,WALK AROUND FUNCTN.TEST...13, 21
 DECAL,WARN,CRUSH HAZARD HAND....11, 13, 15, 17, 19, 21
 DECAL,WARN,CRUSH HAZARD PLAT.....11
 DECAL,WARN,DON'T ALTER LIMIT.....13
 DECAL,WARN,FALL HAZARD.....19
 DECAL,WARN,IMPROPER OPERATION...19, 21
 DIAGNOSTIC FEMALE Q-DSCNT.....33, 35, 37-38, 42-43, 53, 55, 58-59, 102, 114
 Diagnostic Fitting.....101-102
 Diagnostic Nipple.....35, 55
 Differential Sensing Valve.....29, 49, 101-102
 DIN RAIL,17".....107
 DIODE BLOCK SUPPRESSION.....107
 DIODE,6 AMP,200 PIV,BULK.....91, 107
 DIPSTICK, FORD LRG 423.....71
 DIPSTICK, OIL LEVEL,LRG425 EFI.....77-78
 DIPSTICK,FORD LSG-423.....63
 DIPSTICK-F3L1011F (DEUTZ).....91
 DISCONNECT ROD-45553 TQ.HUB.....31, 51
 D03 Valve.....29, 49
 DRIVE MOTOR REAR,2WD/7 DEGREE*.....31
 DRVE MOTOR REAR,4WD/1DEGREE.....51
 DUCT,AIR INTAKE,PAINTED.....111

E

E-STOP BUTTON.....105, 141
 EDC ASSY,SAUER,M46***.....73, 81, 89
 ELBOW,010202-6-4.....81
 ELBOW,070202-12-16.....113-114
 ELBOW,070220-10-12.....113-114
 ELBOW,070220-10-16.....38, 42-43, 58-59
 ELBOW,070220-12-16.....113-114
 ELBOW,070220-16-12.....37-38, 42-43, 58-59
 ELBOW,070220-16-16.....113-114
 ELBOW,070220-4-4.....38, 42-43, 59, 133
 ELBOW,070220-4-6.....133
 ELBOW,070220-6-4.....37-38, 42-43, 58-59
 ELBOW,070220-6-6.....37-38, 41-43, 57-59, 113-114, 133
 ELBOW,070220-8-12.....38, 42-43, 58-59
 ELBOW,070221-12-12.....113-114
 ELBOW,070221-16-16.....37-38, 42-43, 58-59
 ELBOW,070221-6-6.....41-43, 57-59
 ELBOW,070221-8-8.....57-59
 ELBOW,070302-4-2.....93
 ELBOW,070320-12-12.....58-59
 ELBOW,070320-6-10.....114
 ELBOW,130339-4-4.....97, 99
 ELBOW,140239-16-16.....113-114
 ELBOW,140339-16-16.....113-114
 ELBOW,90DEG.1/4MPT X 3/8 JIC.....114
 ELBOW,90DEG.3/8MPT-3/8 BARB.....97, 99
 ELBOW,90DEG.3/8MPT-5/8 BARB.....73, 81
 ELBOW,90DEG.6 X 14.....63, 65
 ELBOW,90DEG.MC5515X8X18.....89, 99
 END CAP,AIR FILTER-27915&49740.....81
 END PLATE,WAGO.....139
 END SET,PLASTIC TRACK.....129

Part Description Index (continued)

ENGINE BLOCK,FORD,GAS,LRG 423*.....71
ENGINE MOUNT FOOT L.H.....83
ENGINE MOUNT FOOT, R.H.....83
ENGINE PIVOT MOUNT WELDMENT.....61,
65, 67, 75
EXHAUST,TAIPIPE,DEUTZ, Z45.....89
EXTENSION BOOM ASSY,Z45 (91).....127, 131

F

FAN, LSG423/LRG425.....71, 77-78
FILTER ASSEMBLY W/IND L,PAPER.....95
FILTER ASY,M PRESS,SAE8,WOIND*.....69,
73, 91
FILTER ELEMENT-10 MIC.*...69, 73, 91
FILTER, FUEL LRG 425/423 EFI.....77-78
FILTER,AIR,ELEMENT***.....63, 71, 81, 91
FILTER,ELEMENT,BETA(5)=1000.....69, 73, 91
FILTER,ELEMENT,BETA(6)=200.....95
FILTER,FUEL,LRG-423,SCREW-IN.....63, 71
FILTER,FUEL/WTR SEP, DTZ 1008.....91
FILTER,OIL,DEUTZ F4L1011F.....91
FILTER,OIL,DEUTZ,REPLACEMENT.....91
FILTER,OIL,FORD.....63, 71, 77-78
FLANGE-JOYSTICK MOUNTING,44988.....147
FLASHTUBE,STRAIGHT,360DEG,BULB.....149
FLASHTUBE,U SHAPED,360DEG,BULB.....149
Flow Divider/Combiner.....35
Flow Regulator, 0.1 gpm.....101-102
Flow Regulator,0.1 gpm.....101-102
Flow Regulator,0.5 gpm.....101-102
Flow Regulator,0.6 gpm.....101-102
Flow Regulator,1.5 gpm.....101-102
FLYWHEEL COVER,CASTING***.....89
FLYWHEEL FLANGE,GREEN PLASTIC.....73,
81, 89
FOOT SWITCH***.....135-136
FOOT WELDMENT,DEUTZ ENGINE.....87
F O O T S W I T C H / C O N T . B O X
CONN.ASSY.....136, 139
FUEL FILTER W/SEP,DEUTZ,1008.....91
FUEL INJECTOR, LRG-425 EFI.....77-78
FUEL LINE INJ. DEUTZ F4L1011F.....89
FUEL PRESSURE REG,425EFI***.....77-78
FUEL PUMP KIT,FORD LRG 423***.....73

G

GAS STRUT***.....109, 111
GASKET - THROTTLE BODY, 425EFI.....77-
78
GASKET, WATER PUMP.....71, 77-78
GASKET,ADAPTER PLATE,425EFI***.....77-
78
GASKET,CARBURETOR, LRG-423.....71
GASKET,EXHAUST.....67, 73, 81, 89
GASKET,FUEL PUMP,FORD.....63
GASKET,GROUND CONTROL BOX.....107
GASKET,LP ADAPTER.....77-78
GASKET,THERM.HSNG O-RING.....77-78
GASKET,TURTLE,DRV MTR,EDC.....51
GASKET,UPPER CONTROL BOX.....139
GASKET,WATER OUTLET,FORD.....63, 71
GASKET,WATER PUMP,FORD.....63
GATE LATCH CASTING--DRILLED.....151
GAUGE-SIGHT,LHA-LGTB***.....95
GEAR CASTING,20424 CONTROLLER*.....143
GEAR, SLAVE, 24493.....147
GEAR, SLAVE, MS4,45048.....145
GEN,HYD,3000W,110V,60HZ.....155

GENERATOR, 3000W HYD. Z45.....155
GENERATOR,2000W,HYDRAULIC***.....155
GLOW PLUG,L1011.....157
GOVERNOR,ACTUATOR,FORD LRG423.....73
GOVERNOR,CNTRLR,FORD,LRG 423.....73
GOVERNOR,CNTRLR,FORD,LSG 423.....69
GOVERNOR,MECHNCL,FORD LSG423.....67
GRND CNTL BOX-Z45 LRG/DEUTZ.....107
GROMMET NUT,PLASTIC.....73
GROUND CONNECTOR,1/2".....139, 149
G U A R D , F O O T S W I T C H , W / D E C A L
STEEL.....135-136
GUARD,FUEL LVL.GAUGE,PAINTED.....97, 99
GUARD,PLATFORM CNTRL PANEL
PTD.....151

H

HANDLE HALF,JOYSTICK (20424).....143
HANDLE WELDMENT,PAINTED.....109, 111
HANDLE,CAP,CONTROLLER.....145, 147
HARNESS,WIRE,MANIFOLD ASSY.....107
HEATER,FREEZE PLUG,FORD LRG423.....157
HINGE CASTING.....151
HINGE,PLAT CONTROL BOX COVER.....151
HORN,12V SCREW TERMINAL***.....69, 73
Hose Assembly - Components: @ 13.75 inches
(35 cm).....113-114
Hose Assembly - Components: @ 15.25 inches
(39 cm).....38, 42-43
HOSE ASSEMBLY DRV.MAN.M2 TO RR.....38,
42-43
HOSE ASSEMBLY, 33".....89
HOSE ASSEMBLY, MAN. TO RR MTR.....38,
42-43
HOSE ASSEMBLY,DRV.MAN.M1 TO LR.....38,
42-43
HOSE ASSEMBLY,LP GAS,106"LG.....81
HOSE ASSEMBLY,LP GAS-86" LNG**.....73,
97
HOSE ASSY,1/2".....37-38, 42-43, 58-59
HOSE ASSY,1/4".....38, 43, 59
HOSE ASSY,13".....58-59
HOSE ASSY,15.75".....59
HOSE ASSY,2 SPD.VAL.TO RR.MOTR.....38,
42-43, 58-59
HOSE ASSY,20.50".....58-59
HOSE ASSY,AIRLINE TO PLATFORM.....153
HOSE ASSY,AUX.P.U.-FUNCT.MNFLD.....37-
38, 42-43, 58-59, 113-114
HOSE ASSY,BRK.VAL.TO BRAKEPORT.....38,
42-43, 58-59
H O S E A S S Y , B R K . V A L V . T O
FUNC.MAN.....113-114
HOSE ASSY,BYPAS VAL.TO 2SP.PRT.....58-
59
H O S E A S S Y , D R V . P U M P
RTN/RESERV.....113-114
HOSE ASSY,DRV.PUMP TO BRK.VALV.....37-
38, 42-43, 58-59, 113-114
H O S E A S S Y , F N C T . M N F L D - O S C . M N F L D
41-43, 57-59
H O S E A S S Y , F N C T . P U M P - F N C T . M N F L D
113-114
HOSE ASSY,FUNCTN.MNFLD-EXTN.CYL.....133
HOSE ASSY,FUNCTN.MNFLD-MSTR.CYL.....133
HOSE ASSY,FUNCTN.MNFLD-SPLICE.....133
HOSE ASSY,FUNCTN.MNFLD/ELEV.CYL.....133

H O S E A S S Y , F N C T N . M N F L D / O S C . M N F L D
41-43, 57-59
HOSE ASSY,FUNT.MNFLD.RET-PUMP.....113-
114
HOSE ASSY,LT.DRV.TO 2SPD.PORT.....38,
43, 59
HOSE ASSY,MASTER CYL. TO SLAVE.....133
HOSE ASSY,MNFLD TO ROTATE CYL.....133
HOSE ASSY,MOTOR OIL DRAIN.....63, 65
HOSE ASSY,MSTR.CYL.-SLAVE.CYL.....133
HOSE ASSY,OSC.MNFLD-L/STR.CYL.....37-
38, 41-43, 57-59
HOSE ASSY,OSC.MNFLD-R/STR.CYL.....41-
43, 57-59
H O S E A S S Y , O S C . M N F L D / A C C U M U L A T R
41-43, 57-59
HOSE ASSY,OSC.MNFLD/OSC.CYLIND.....41-
43, 57-59
HOSE ASSY,OSC.MNFLD/RUN TEE.....41-43,
57-59
HOSE ASSY,PWR.UNIT/TRACTN.MNFD...37-
38, 41-43, 58-59
HOSE ASSY,RESERV.TO AUX.P.U.....113-
114
HOSE ASSY,RR - LR CASE DRAIN.....38, 42-
43, 58-59
HOSE ASSY,SPLICE TO ROTATE CYL.....133
HOSE ASSY,STEER CYL. CROSSOVER...37-
38, 41-43, 57-59
HOSE ASSY,STR.MFLD.RTN/FTN.MFL.....37-
38
HOSE ASSY,STR.MFLD/L.STEER CYL.....37-
38
HOSE ASSY,TRCTN.MFLD/F.DRV.HUB.....57-
59
HOSE ASSY,TRCTN.MNFLD.RTN/TEE.....37-
38, 41-43, 58-59
HOSE ASSY,VB-HAND PUMP,13.5".....41-43,
57-59
HOSE ASSY,LFT.CYL.RTN. TO TANK.....113-
114
HOSE ASSY-MNFLD.TO EXT. CYL.....133
HOSE COVER ASSEMBLY.....119
HOSE COVER,LWR CABLE TRK,BLU.....129
HOSE COVER,UPPR.CABLE TRK,BLUE.....129
HOSE COVER-ELEVATE BOOM, BLUE.....119
HOSE END,90DEG,.63 HS X.25 MPT.....81
HOSE END,BARBED RIGID-16-16.....113-114
HOSE END,BARBED,SWIVEL,-12-12.....113-
114
HOSE END,BARBED,SWIVEL,-8-8.....37-38,
41-43, 57-59
HOSE END,MALE PIPE,WH#1551.....97, 99
HOSE, UPPER RADIATOR.....71, 75, 77-78,
83
HOSE,46",1"SAE 100R4.....113-114
HOSE,48",1"SAE 100R4.....113-114
HOSE,5/16 FUEL,SAE 30R7.....77-78, 97, 99
HOSE,55".....41-43, 58-59
HOSE,AIR CLEANER,FORD EFI.....77-78
HOSE,BOTTOM RADIATOR,FORD.....63
HOSE,FIRE RES.,5/8 ID,BULK.....77-78, 81
HOSE,FT DRIVE MOTOR RETURN.....57-59
HOSE,FUEL,HIGH PRESSURE,Z45EFI.....77-
78
HOSE,LOW PRESSURE,.375 ID,BLK.....81
HOSE,LOW PRESSURE,1/2 IDRUBBER.....81

HOSE, LOWER RADIATOR, Z45.....75, 83
 HOSE, TOP RADIATOR, FORD.....65
 HOSE, WATER INLET, LRG425 EFI.....77-78, 81
 HOSE-TURNABLE BEARING LUBE.....93
 HOUR METER, 10-80 VOLTS***.....105
 HUB ASSEMBLY MODEL #60-8.....23, 25
 HYDRAULIC MOTOR 3000W GENER.....155

I

IGNITION MODULE MTG. PLATE ASSY.....69
 IGNITION, ELECTRONIC, FORD.....69
 INJECTOR - DEUTZ F4L1011F.....89
 INJECTOR PUMP - DEUTZ F4L1011F.....89
 INNER CONE - MODEL 60-8.....23, 25
 ISOLATOR, AIR FILTER MOUNT.....75, 81, 83
 ISOLATOR, VIBRATION, LG, RD&WH***.....87

J

J-BOLT, 3/8-16, PLATED.....95, 97, 99
 JOYSTICK CONTROLLER, 12V.....143
 JOYSTICK, DRIVE GEAR, (24493).....147
 JOYSTICK, MULT AXIS CONT.....147
 JOYSTICK, MULT AXIS CONT, OEM***.....147
 JOYSTICK, SINGLE AXIS PROPORT.....145

K

KEY, SINGLE***.....105
 KEY-WOODRUFF.....93
 KEYS, 10 PACK***.....105
 KEYSWITCH, 3POS. MNTND. DR WKEY**.....105
 KIT, JOYSTICK HANDLE.....143
 KIT, CONTROL BOX COVER.....151
 KIT, COVER, TORQUE HUB, 45553***.....31, 51
 KIT, ESTOP SVC BB&SM BOOM.....105, 141
 KIT, FIELD INSTALL, SWING GATE.....151
 KIT, FITTING, AIRLINE TO PLATFRM.....153
 KIT, FORD EFI UPDATE, BASE***.....77-78
 KIT, GASKET, UK POWER TO PLAT.....139
 KIT, HORN SVC BB&SM BOOM.....141
 KIT, KEYSWITCH SVC BB & SM BOOM.....105
 KIT, KEYSWITCH SVC BB&SM CE.....105
 KIT, LRG423 IGNITION MODULE.....73
 KIT, PLAT CONTROL PANEL GUARD**.....151
 KIT, SEAL, 3CC PUMP***.....73, 89
 KIT, SWING GATE W/SPRING.....151

L

L.P. TANK STRAP.....97
 LATCH, DRAW, ADJUSTABLE.....109, 111
 LENS, AMBER, STROBE, FIREBOLT.....149
 LIGHT, INDICATOR, RED, 14V.....105, 141
 LIMITER PC BOARD, HORSEPOWER.....139
 LINING KIT, MICO BRAKE (41916).....31, 51
 LOCK RING.....143
 LOCKNUT, ELEC, 1/2".....121, 139
 LOCKNUT, ELECTRIC, 1" NPT.....107
 LOCKNUT, ELECTRIC, 3/4".....107, 139
 LOWER SECONDARY BOOM ASSY, Z45.....119
 LUG BOLT, 5/8-18, WHEEL HUB***.....23, 25
 LUG, WHEEL STUD, 5/8-18, W1/4HB**.....31, 45, 51

M

MANIFOLD, ASSY, GENERATOR.....155
 MANIFOLD, BRAKE/MOTOR SHIFT.....93
 MANIFOLD, FUNCTION, Z45IC**.....101-102

MANIFOLD, STEER/OSCILLATION.....27, 29, 47, 49
 MANIFOLD, TRACTION, 2WD.....33
 MANIFOLD, TRACTION, 4WD.....53
 MANIFOLD, TRCN W/BYPASS, 4WD***.....51, 55
 MANUAL BOX W/DECALS***.....135-136
 MAP SENSOR, EFI.....77-78
 MICROSWITCH, 13482 FOOTSWITCH.....135-136
 MICROSWITCH, V3L-139-D8.....145, 147
 MID-PIVOT, LOWER W/DECLS Z45DC.....119
 MIDRAIL GUIDE (HOOK).....135-136
 MODULE, IGNITION/START, 12/24V.....107
 MOTOR & TORQUE HUB, FRONT, SAE**.....45
 MOTOR, 12VDC (42185).....61, 85
 MOTOR, HYDRAULIC GENERATOR.....155
 MOTOR, TURNABLE "O" RING PORTS.....93
 MOUNT, RAD. SUPPT, LH, BLUE.....75
 MOUNT, RAD. SUPPT, RH, PAINTED.....65
 MOUNTING BAND (27915).....63
 MUFFLER, DEUTZ.....89
 MUFFLER, EXH, FORD, Z-45 ONLY **.....67, 73
 MUFFLER, FORD LRG EFI, Z45.....81

N

NIPPLE, DIAGNOSTIC #4 PORT***.....33, 35, 37-38, 42-43, 53, 55, 58-59, 102
 Normally Closed Solenoid Valve.....101-102
 NUT & BOLT KIT (25883).....143
 NUT - PLASTIC, RING FOR ALARMS.....149
 NUT - WING, AIR FILTER, 425EFI.....81
 NUT, HEX, 1/4-28.....73, 91
 NUT, HEX, 5/16-18, GR5.....89
 NUT, HEX, JAM, 1-8.....23, 25, 45
 NUT, LOCKING-LG. FLANGE, 1/4-20.....61, 85
 NUT, LOCKING-LG. FLANGE, 5/16-18.....75, 81
 NUT, LP NYLOCK, 1-12.....61, 85
 NUT, LP NYLOCK, 1/4-20.....61, 73, 77-78, 83, 85, 91, 129, 151
 NUT, LP NYLOCK, 3/8-16.....73, 85, 91
 NUT, LP NYLOCK, 5/16-18.....45, 71, 91
 NUT, LUG, 5/8-18 X 90 DEGREE, Z45.....23, 25, 31, 45, 51
 NUT, NYLOCK, 1-8.....131
 NUT, NYLOCK, 1.125-12.....127
 NUT, NYLOCK, 1/2-13.....65, 67, 75, 83
 NUT, NYLOCK, 1/4-20.....69, 73, 77-78, 91, 97, 99, 109, 111, 119, 123, 125, 127, 129, 131, 135-136, 141, 149, 151, 155, 157
 NUT, NYLOCK, 10-24.....91
 NUT, NYLOCK, 10-32.....27, 47, 105, 135-136, 149
 NUT, NYLOCK, 3/8-16.....65, 69, 75, 83, 85, 95, 97, 99, 109, 111, 117, 121, 125, 131
 NUT, NYLOCK, 5/16-18.....136
 NUT, NYLOCK, 5/8-11.....87
 NUT, NYLOCK, 6-32.....139
 NUT, SOLENOID VALVE.....29, 49, 102
 NUT, SOLENOID, 2POS 3WAY.....33, 53, 93, 155
 NUT, SPINDLE, 1-14.....23, 25
 NUT, WING, 1/4-20.....61, 85
 NUT-D03 COIL.....23, 29, 49, 101-102

O

O-RING KIT, FIELD SVC, ALL PROD*.....37-38, 93, 133

O-RING***.....67, 73, 81, 89
 O-RING, D03 COIL.....23, 29, 49, 101-102
 O-RING, DO1 VALVE.....102
 O-RING, TORQUE HUB.....31, 51
 O-RING, 2-044 BUNA***.....31, 51
 O-RING, BOOT, CONTROLLER.....145, 147
 O-RING, SPACER #115***.....155
 OIL FILLER CAP FOR LRG ENGINE.....71, 77-78
 OPTION, 2000W HYD GENERATOR Z45.....155
 Orifice Plug.....35
 ORIFICE PLUG, .025 (30551).....93
 OSCILLATING FRONT AXLE ASSY.....25, 45
 OUTER CONE - MODEL 60-8.....23, 25
 OUTLET, 110V GFCI***.....139

P

PAD, NYLON-12 X 2 X 0.625 INCH.....61, 85, 121
 PAINT, AEROSOL, BRIGHT BLUE***.....11, 13, 15, 17, 19, 21
 PAINT, AEROSOL, GENIE GRAY***.....11, 13, 15, 17, 19, 21
 PAINT, WET, GENIE BLUE (1 GL)**.....11, 13, 15, 17, 19, 21
 PAINT, WET, GENIE GRAY (1 GL)**.....11, 13, 15, 17, 19, 21
 PCB, 11179AB, (SWING)***.....147
 PCB, 11179CD, (LIFT)***.....147
 PCB, ASSY, 24495.....145
 PIN, 1.00 DIA X 6.00 LG, 1 HOLE.....131
 PIN, AXLE PIVOT, 10.75 X 1.5".....23, 27, 47
 PIN, BOOM PIVOT***%.....125
 PIN, CLEVIS, .50 X 4.50 LG.....109, 111
 PIN, CLEVIS, 1 X 2.5 LG.....23, 25, 45
 PIN, COMPRESSION LINK.....117
 PIN, COTTER, .125 X 1.5.....23, 25, 45
 PIN, COTTER, .219 X 1.75.....23, 25
 PIN, ELEVATE CYLINDER.....117
 PIN, EXTENSION CYLINDER.....127
 PIN, KING, 14.5 X 1.5 INCH.....23, 25, 45
 PIN, LIFT CYL./PLAT. PIVOT.....125
 PIN, LIFT CYL. BARREL END.....125
 PIN, MASTER CYL. BAR. END, 9.56 X1.....125
 PIN, MASTER CYL. ROD END, 7.25 X1.....125
 PIN, MID PIVOT, 11 X 1.5 INCH.....117
 PIN, MID PIVOT, 11 X 1.5".....117
 PIN, PLATFORM PIVOT 8.5 X 1.5".....131
 PIN, ROLL, .094 X .875.....136
 PIN, ROLL, .188 X .75.....123
 PIN, SLAVE CYL. ROD END.....131
 PIN, UPPER MID PIVOT, 11 X 1.5".....117
 PLASTIC END STOP.....107
 PLAT. ASSY W/ DECALS, 4'.....135-136
 PLAT. ASSY W/DECALS, 4'.....135-136
 PLAT. ASSY W/DECALS, 5'***.....135-136
 PLAT. ASSY W/DECALS, 6'-Z45.....135-136
 PLAT. ASSY W/DECALS, ANSI, 5'***.....135-136
 PLAT. ASSY W/DECALS, EURO, 4'.....135-136
 PLAT. ASSY W/DECALS, EURO, 5'***.....135-136
 PLAT. ASSY W/DECALS, EURO, 6'.....135-136
 PLAT. ASSY W/DECALS, EURO 4'.....135-136
 PLATE, ENGINE MNT BELL HOUSING.....83
 PLATE, AIR INTAKE ADAPTER, FRD**.....83
 PLATE, AIR INTAKE ADAPTER, PAINT.....111
 PLATE, BULKHEAD COVER, PAINTED.....91
 PLATE, ENG. MNT., FORD.....67
 PLATE, HINGE BACK-UP.....81
 PLATE, INTAKE GRILL, PAINTED GRAY.....111

Part Description Index (continued)

PLATE,PUMP MOUNT,FORD,PAINTED.....67, 73, 81	REGULATOR,LPG BEAM 60***.....73, 81	SCREW,HHC,3/8-16 X 1.25 GRD 5.....27, 47, 65, 67, 117, 131
PLATE,UK POWER TO PLATFORM.....139	REGULATOR,LPG,BEAM #120A.....67	SCREW,HHC,3/8-16 X 1.50,GR5.....75, 83, 125
Platform Assembly - European, 6 foot (1.8 m) with Decals (decals are listed in Section 100).....135-136	RELAY - LRG425 EFI.....77-78	SCREW,HHC,3/8-16 X 1.75,GRD.8.....85
PLATFORM PIVOT MOUNT ASSY.....131	RELAY SOCKET,AUTO,RETAINER***.....107	SCREW,HHC,3/8-16 X 2.75.....125
Plug - Orifice, 0.052 inch (1.32 mm).....55	RELAY,SPDT,12V(AUTO) PLUG IN**.....107	SCREW,HHC,3/8-16 X 3.....117
Plug - Orifice, 0.070 inch (1.78 mm).....55	Relief Valve.....101-102	SCREW,HHC,3/8-16 X 3.25.....97
PLUG AND CAP KIT-SERVICE,37Ø**.....29, 35, 49, 55, 93, 101-102	Relief Valve, 210 psi (14.5 bar).....35	SCREW,HHC,5/16-18 X 1 GR5.....91
PLUG,0.036 ORIFICE.....33, 53	RESERVOIR,HYD,WELD,PAINTED.....95	SCREW,HHC,5/16-18 X 1.25.....61, 85, 136
PLUG,1/4"SERIES,3/8 MPT.....153	RESISTOR,10 OHM,25 WATT.....105	SCREW,HHC,5/8-11 X 1.75 GRD.8.....45
PLUG,ELECTRICAL,220/50,NOVON.....121	RETAINER,GAS SPRING***.....109, 111	SCREW,HHC,5/8-11 X 4.5.....87
PLUG,HEX HEAD,090109A-6.....133	RETAINER-N.C.PROPOR.SOLENOID.....102	SCREW,HHC,M10 X 25MM,GR 8.8.....65, 75, 77-78, 83
PLUG,HEX HEAD,1/4 MPT BRASS.....97	RETAINING RING.....155	SCREW,HHC,M10 X 30MM.....89, 91
PLUG,MALE,070109-6.....63, 65, 89	RIM,Z45,14.5 X 7(8 HOLE ON 8BC.....23, 25	SCREW,HHC,M10 X 40MM,GRD8.....81
PLUG,NYLON .50 BLACK DOMED.....105, 107, 141	RING GEAR,DEUTZ F3 & F4L1011.....89	SCREW,HHC,M14 X 55.....87
PLUG,NYLON 1.187 BLACK DOMED.....151	RING GEAR,DEUTZ F3 & F4L1011F.....89	SCREW,HHC,M6 X 20MM,GR8.8.....91
PLUG,ORIFICE,0.052 INCH.....55	RING GEAR,DEUTZ F3L2011F.....89	SCREW,HHC,M8 X 20MM.....77-78, 83, 91
PLUG,ORIFICE,0.070.....35, 55	RING GEAR,FORD***.....67, 73	SCREW,PHILLIPS,PHM,8-32 X 1.25.....27, 47, 123
PLUG,PIPE,HEX HEAD,STL,3/8 NPT.....95	RIVET,ALUM,ALUM,3/16BUTTONHEAD.....151	SCREW,PHM,8-32X.38,SELF TAP.....75
PLUG,PWR,UK,16AMP,3PIN,BLK.....121	RIVET,STEEL,P .25 X .375.....151	SCREW,RHM,10-32 X .5.....105, 149
PLUG,W/LATCH,4 POLE,ANDERSON.....136	RIVET,STL,STL.MAN,P.25 X .25.....135-136	SCREW,RHM,10-32 X .75.....149
POST, ALL THREAD, 1/2-13X 9.00.....77-78	ROCKER ASSY,HANDLE (20424)***.....143	SCREW,RHM,10-32 X 1.5.....27, 47
POTENTIOMETER.....147	ROD END WELDMENT-EXT.CYL.....127	SCREW,RHM,6-32 X .5.....139
POTENTIOMETER (20424).....143	ROD END,.250 X 2.75 LG.....125, 131	SCREW,SHC,1/2-13 X 2.25 ***.....93
POTENTIOMETER,45049.....145	ROD END,.375 X 3.69.....23, 25, 27, 45, 47, 117, 125, 131	SCREW,SHC,10-24 X 2.....23, 29, 49, 101-102
POTENTIOMETER,ASSY(24493).....147	ROLLER ARM,LIMIT SWITCH***.....27, 47	SCREW,SHC,10-24 X 4.....101-102
POWER UNIT,12VDC AUX.....61, 85	ROTATOR,HELICAL,PLATFORM***.....131	SCREW,SHC,3/8-16 X 1.....81
PRIMARY BOOM WITH DECAL.....125, 127	ROTOR,DISTRIBUTOR,FORD.....63	SCREW,SHC,5/8-11 X 1.75.....45
Proportional Solenoid Valve.....101-102		SCREW,SHC,5/8-11 X 2.25.....31, 51
PULLEY,FORD ENGINE,LRG-423***.....71, 77-78		SCREW,SHC,5/8-11 X 4.5,A574.....93
PUMP ASSY., 42185.....61, 85		SCREW,SHS,10-24 X .625.....91
PUMP, FUEL LIFT, F4L1011F.....91		SCREWDRIIVER,TERMINAL BLOCK.....135-136, 139
PUMP, FUEL, LRG425, WALBRO.....77-78		SEAL KIT (21172).....93
PUMP, WATER, WITH GASKET.....71, 77-78		SEAL KIT (ALL MANIFOLDS).....29, 33, 35, 49, 53, 55, 101-102, 131
PUMP,FUEL,FORD.....63		SEAL KIT (CYL PN 13078) BL.....23, 25, 45
PUMP,M46/GEAR,2.8/.67***.....67, 73, 81, 89		SEAL KIT (CYL.PN# 45033,45034).....27, 47
PUMP,PIGGY BACK,.67 C.I.,Z45IC.....67, 73, 81, 89		SEAL KIT (CYL.PN.45561) BL.....125
PUMP,VAR.PISTON M46 2.8 CIQVP*.....81		SEAL KIT (W1B) TORQUE HUBS.....31, 51
PUMP,WATER,FORD.....63		SEAL KIT, SOLENOID VALVE.....29, 49, 102
		SEAL KIT, SUNSTRAND.....51
		SEAL KIT, VALVE.....29, 33, 35, 49, 53, 55, 102
		SEAL KIT, VALVE 84131.....55
		SEAL KIT, VALVE, #10.....29, 33, 35, 49, 53, 55, 101-102
		SEAL KIT, VALVE, #12.....53
		SEAL KIT, VALVE, #4.....93, 101-102
		SEAL KIT,25212,25217,25372,S60.....127
		SEAL KIT,BRAKE,MICO.....31, 51
		SEAL KIT,CYLINDER***.....125
		SEAL KIT,DRIVE MOTOR,(24668).....31
		SEAL KIT,GEAR BOX (29025).....45
		SEAL KIT,HYDRAULIC CYLINDER***.....119
		SEAL KIT,LIFT PUMP**.....67, 81
		SEAL KIT,PN.45562 BL.....131
		SEAL KIT,SAUER-DANFOSS M46***.....67, 73, 81, 89
		SEAL KIT,SOLENOID VALVE.....33, 53
		SEAL KIT,UNIVERSAL,9K ROTATOR*.....131
		SEAL KIT,VALVE (48647).....33, 53
		SEAL, GASKET, .0005" *SILVER*.....155
		SEAL, GASKET, .00075" *GOLD*.....155
		SEAL, GASKET, .0010".....155
		SEAL,BAFFLE,FRONT,OUTSIDE,EFI.....83
		SEAL,RETAINING RING.....155

S

Q

QUICK DISCONNECT,DIAGN.NIPPLE.....114

R

RADIATOR SHROUD,PAINTED.....65
 RADIATOR,FORD (LSG).....65
 RADIATOR,FORD,LRG.....75, 83
 RAILING CATCH CASTING--DRILLED.....151
 RAILING,PINCH GAURD,4 FT.....151
 RAILING,PINCH GAURD,5 FT.....151
 RAILING,PINCH GUARD,6 FT.**.....151
 RECEPT.SNAP-IN,4 POLE ANDERSN.....136
 RECTIFIER ASSEMBLY.....155
 REDUCER,070123-12-10.....58-59
 REDUCER,070123-12-8.....37-38, 41-43, 58-59, 113-114
 REDUCER,070123-8-6.....113-114
 REGULATOR - VOLTAGE, LRG-423.....71
 REGULATOR DIAPH.KIT BEAM 120A.....67, 73
 REGULATOR DIAPH.KIT BEAM 50/60.....81
 REGULATOR, VOLTAGE, Z45GP91.....69

SADDLES-SET(24493,40613,53073).....147
 SCREEN,Z45 COVER%%.....109
 SCREEN,Z45 IC COVER, 12 X 22.5.....109, 111
 SCREEN,Z45 IC COVER, 6 X 21%.....109, 111
 SCREEN,Z45IC COVER,18 X 19.5%.....109, 111
 SCREW,FHM,10-32 X .75.....135-136
 SCREW,FHS,3/8-16 X .75.....127
 SCREW,FHS,3/8-16 X 1.75.....121
 SCREW,FHS,3/8-24 X .50.....27, 47
 SCREW,FHS,3/8-24 X .75.....27, 47
 SCREW,FILLISTER HM,8-32 X 1.5.....73
 SCREW,HHC,1-8 X 12IN GRD.2***.....131
 SCREW,HHC,1/2-13 X 1.25 GR5.....31, 51, 61, 67, 85, 121, 131, 135-136
 SCREW,HHC,1/2-13 X 1.5.....67, 81, 123
 SCREW,HHC,1/2-13 X 2 GR5.....67, 73, 83, 89
 SCREW,HHC,1/2-13 X 3.5.....65, 75, 83
 SCREW,HHC,1/4-20 X .5.....69, 129
 SCREW,HHC,1/4-20 X .625.....73, 77-78, 91, 107, 109, 111, 127, 131, 141
 SCREW,HHC,1/4-20 X .75.....23, 27, 31, 47, 51, 69, 73, 77-78, 81, 83, 91, 105, 109, 111, 121, 125, 127, 129, 131, 135-136, 149, 151, 157
 SCREW,HHC,1/4-20 X 1.....61, 73, 85, 123, 125, 127, 131, 135-136, 155
 SCREW,HHC,1/4-20 X 1.25.....73, 109, 111, 127, 151
 SCREW,HHC,1/4-20 X 1.5.....109, 111, 127
 SCREW,HHC,1/4-20 X 1.75.....131
 SCREW,HHC,1/4-20 X 2.....111, 151, 155
 SCREW,HHC,1/4-20 X 3.25.....93
 SCREW,HHC,3/8-16 X .75.....31, 51, 61, 73, 85, 91, 95, 97, 99, 109, 111
 SCREW,HHC,3/8-16 X 1.....23, 25, 27, 45, 47, 65, 69, 73, 81, 83, 89, 97

SEAL, SHAFT.....155
 SEAL, SHAFT-SUNDSTRAND***.....31, 51, 81, 89
 SEAL, THERMOSTAT, FORD.....63
 SEAL-GREASE, MODEL 60-8.....23, 25
 SEAL/BEARING KIT (45043, 54840).....23, 25
 SENDER, WATER TEMP INDICATOR.....63
 SENDING UNIT, OIL PRESS., DEUTZ*.....91
 SENDING UNIT, OIL PRESSURE***.....71
 SENDING UNIT, OIL TEMP.....89
 SENDING UNIT, TMP, FRD, GM, PRK704.....71
 SENSOR, CRANK POSITION.....71, 77-78
 SENSOR, AIR TEMP, LRG-425 EFI***.....77-78
 SENSOR, CAM, EFI***.....77-78
 SENSOR, COOLANT TEMP*.....71, 77-78
 SENSOR, LEVEL 4.5***.....61, 85
 SENSOR, O2, LRG 425 EFI***.....81
 SERPENTINE BELT.....71
 SHAFT (52587)***.....147
 SHAFT ASSY W/HOUSING.....147
 SHAFT W/GEAR.....145
 SHAFT, M46 15 TOOTH.....67, 73, 81, 89
 SHAFT, MOTOR.....155
 SHAFT, W/NF STYL BLOCK, (20424)*.....143
 SHEET, RUBBER, AIR INTAKE.....87
 SHIM, PRIMARY BOOM, .022 THICK.....127
 SHIM, PRIMARY BOOM, .052 THK.....127
 SHOCK MOUNT, LARGE**.....65, 75, 83
 SHOCK MOUNT, SMALL.....65, 75, 83
 SHROUD, RADIATOR LRG 423 BLUE**.....75
 SHROUD, RADIATOR, FORD, LRG 425.....83
 SHUTDOWN SOLENOID, 12V, DEUTZ.....91
 Shuttle Valve.....35
 SLIDE BLOCK-EXT CYL., Z45A.....127
 SLIDING MIDRAIL KIT, PTD.....135-136
 SNAP PIN, (RD.NOSE)-GATE LATCH.....151
 SOLENOID CABLE ASSY***.....91
 Solenoid Valve.....29, 49
 SOLENOID, ANTI-DIESELING.....63, 71
 SOLENOID, 12V CONTINUOUS***.....157
 SOLENOID, 12V, APU.....61, 85
 SOLENOID, THROTTLE.....91
 SOLENOID-STARTR DEUTZF4L1011F*.....87
 SPACER.....155
 SPACER TUBE, .50 LG.....61, 85
 SPACER, FAN TO WATERPUMP LRG423.....71, 77-78
 SPACER, LONG ANDERSON.....136
 SPACER, NYLON, .375.....139
 SPACER, SHORT ANDERSON.....136
 SPARK PLUG WIRE SET, LRG425EFI.....77-78
 SPARK PLUG WIRE SET, LSG 423.....63, 67
 SPARK PLUG, FORD.....63, 67, 71, 77-78
 SPRING & BUSHING KIT, RETURN***.....145
 SPRING (RED) MICO.....31, 51
 SPRING CLIP, 1/4-20, .025-.15X.5.....23, 27, 31, 47, 51, 111, 131
 SPRING, 24493 CONTROLLER.....147
 SPUR GEAR (20424).....143
 STARTER, 12V.....87
 STARTER, DEUTZ, F4L1011F/F3L1011.....87
 STARTER, ENGINE, FORD LSG/LRG***.....67, 73, 81
 STRAINER - FILLER NECK (24560).....95
 STRAINER ASSEMBLY, 1.5" NPT.....95
 STROBE, FIREBOLT, 12-80VDC, AMB**.....149
 STRUT, LH, FORD RADIATOR, PAINTED.....65
 STRUT, RADIATOR RH, FORD EFI.....83

STRUT, RADIATOR, LH, FORD, EFI.....83
 STRUT, RH, FORD RADIATOR, PAINT.....75
 SUB PLATE (SPOOL VALVE).....23
 SUPPORT, RAILING.....151
 SUPPORT, WRIST, PAINTED-BLUE.....141
 SWITCH (20424).....143
 SWITCH TOGGLE ASSY DPDT 2P MNT.....105, 141, 155
 SWITCH, HANDLE, 20424.....143
 SWITCH, LIMIT, W/RLR ARM, NO/NC.....27, 47
 SWITCH, LIMIT, W/ROLLER ARM.....123
 SWITCH, OIL PRESSURE, CLOSED***.....63, 77-78
 SWITCH, TOGGLE, DPDT, 2 POS MOMEN.....105, 141
 SWITCH, TOGGLE, DPDT, 3 POS MAINT.....141
 SWITCH, TOGGLE, DPDT, 3 POS MOMEN.....105, 141
 SWITCH, TOGGLE, SPDT, 3 POS MOMEN*.....105, 141, 157
 SWITCH, VACUUM.....67, 73

T

T-BOX, 2.75 X 4.5 X 2.0.....139
 TANK WELDMENT, PAINTED.....97, 99
 TANK, LP, 7 GAL.....97
 TAPE, NON-SKID, 1" WIDE, BULK.....131
 TAPE, WARNING, BLK/YEL, 50***.....11, 13, 19, 21
 TEE, BRANCH, 070433-8-8.....41-43, 57-59
 TEE, RUN, 070428-12-12.....37-38, 41-43, 58-59
 TEE, RUN, 070428-6-6.....37-38, 41-43, 57-59, 113-114
 TEE, RUN, 070428-8.....113-114
 TEE, RUN, 070432-12.....113-114
 TEE, RUN, 070432-4.....38, 42-43, 59
 TEE, RUN, 070432-6-6.....38, 42-43, 59, 114
 TEE, RUN, 070432-8.....38, 42-43, 57-59, 113-114
 TENSION LINK WELD, BOTTM-PAINTD.....119
 TENSION LINK WELDMT, TOP-PAINTD.....119
 TERM RELAY, N-INSULATE 14-16 GA.....107
 TERM, RELAY N-INSULATED 10-12 G.....107
 TERM, RELAY, N-INSULATE 18-20 GA.....107
 TERMINAL BLOCK (SINGLE), WAGO***.....107
 TERMINAL BLOCK, WAGO.....139
 TERMINAL STRIP END PLATE.....107
 TERMINAL, #10 RING, BLUE AMP.....136
 TERMINAL, ANDERSON, 15A 16-20GA.....135-136
 TERMINAL, ANDERSON, 30A 12-16 GA.....135-136
 THERMOSTAT & SEAL, FORD.....63
 THERMOSTAT HOUSING - LRG-423.....71
 THERMOSTAT HOUSING, LRG425 EFI.....77-78
 THERMOSTAT, FORD LRG.....71, 77-78
 THREADED ROD, (1/4-20), 8.5".....61, 85
 THREADED ROD, 1/4-28 X 10 IN***.....91
 THREADED ROD, 1/4-28 X 15 IN***.....67, 73
 THRUST CAP (20193).....31, 51
 TIE ROD WELDMENT Z/45.....23, 25, 45
 TOEBOARD (PLAT. ENTRY ALUMN).....135-136
 TOEBOARD, PLTFM ENTRY EUR, PNTD*.....135-136, 151
 TOOL TRAY ACCESSORY***.....151
 TOP PLATE, CLAMP.....45

TORQUE HUB, 35:1***.....31, 51
 TRACK REPAIR, 7 LINKS.....129
 TRACK, PLASTIC CABLE, 38 LINKS.....129
 TRACTION MANIFOLD, 2WD***.....31, 35
 TRAY, CABLE TRACK, W/STUDS.....129
 TUBE, AIR INTAKE SPACER.....111
 TUBE, ELEVATE CYLINDER.....133
 TUBE, FUEL SIGHT.....97, 99
 TUBE, STD SLIDING MIDRAIL, PAINT.....135-136
 TUBELESS PNEUMATIC TIRE, 9-14LT.....23, 25, 31
 TUBELESS TIRE, 9-14.5, NON-M 47#.....23, 25, 31

U

U-BOLT, KIT 5/16-18 X 2.5.....89
 Unloader Valve.....29, 49
 UPPER MID-PIVOT, Z45 (W/DECALS).....117, 125
 UPPER SECONDARY BOOM ASSY, Z45.....119

V

Valve - Check.....55
 Valve - Directional Control.....55
 Valve - Flow Divider.....55
 Valve - Relief.....55
 Valve - Shuttle.....55
 VALVE ASSY, BLEED***.....131
 VALVE KIT, D03.....23, 29, 49, 101-102
 VALVE, BRASS BALL, 1" FPT.....113-114
 VALVE, CHECK.....33, 53, 93
 VALVE, CHECK 45027, 20419.....55
 VALVE, CHECK CP100-2-B-O-005.....29, 49, 53
 VALVE, CHECK***.....101-102
 VALVE, CHECK, PILOT OPERATED.....55
 VALVE, COUNTERBAL, CBBB-LHN@3000**.....119
 VALVE, COUNTERBAL, CBCG-LJN@3000.....131
 VALVE, COUNTERBALANCE.....101-102, 125
 VALVE, COUNTERBALANCE 2500 PSI*.....127
 VALVE, COUNTERBALANCE, 1500 PSI.....101-102
 VALVE, COUNTERBALANCE, 2500 PSI*.....131
 VALVE, DIFFERENTIAL SENSING.....29, 49
 VALVE, DIFFERENTIAL SENSING***.....102
 VALVE, DIRECT. CONTROL, 4WD S60.....55
 VALVE, DRAIN, FORD, BLOCK, RAD.....65, 67, 73, 75, 81, 83
 VALVE, DUAL CB MANIFOLD.....131
 VALVE, ENGINE OIL DRAIN.....81
 VALVE, FLOW DIVIDER/COMBINER.....35, 55
 VALVE, FLOW REGULATOR.....33, 53, 102
 VALVE, FLOW REGULATOR .5 GPM.....102
 VALVE, FLOW REGULATOR 0.6GPM.....102
 VALVE, FLOW REGULATOR, 1 GPM.....102
 VALVE, FUEL LOCK.....97, 99
 VALVE, LOCK OFF, BEAM #FL-418.....67, 73, 77-78, 81
 VALVE, PCV-FORD LRG***.....71, 77-78
 VALVE, PILOT OPERATED.....29, 49
 VALVE, PILOT TO OPEN CHECK.....33, 53
 VALVE, PRI. FLOW REG 4.3.....155
 VALVE, PROPORTIONAL SOLENOID**.....102
 VALVE, RELIEF.....102
 VALVE, RELIEF 2200 PSI.....102
 VALVE, RELIEF 250 PSI***.....33, 53

Part Description Index (continued)

VALVE,RELIEF KIT,MONARCH*.....61, 85
 VALVE,RELIEF,1500 PSI***.....155
 VALVE,RELIEF,210 PSI.....35, 55
 VALVE,SHUTTLE.....33, 35, 53, 55
 VALVE,SHUTTLE***.....33, 53
 VALVE,SOLENOID.....29, 33, 49, 53, 102
 VALVE,SOLENOID 2 POS.3 WAY.....155
 VALVE,SOLENOID,10V W/DIODE***.....93
 VALVE,SOLENOID,2 POS-4 WAY-10V.....29, 49
 VENTURI,BEAM (FORD) ***.....77-78

W

WASHER,1/2 PLATE(1/2X2.25X3/16.....65, 75, 83
 WASHER,FENDER,.25 X 1.25 X.062.....109, 125, 135-136, 155
 WASHER,FLAT,.5 HARDENED.....67
 WASHER,FLAT,.625 HARDENED.....31, 45, 51, 93
 WASHER,FLAT,.625 X 2.25 X.15.....87
 WASHER,FLAT,1.063 X 2 X .134.....61, 85, 131
 WASHER,FLAT,1.56 X 2.5 X .061.....23, 27, 47
 WASHER,FLAT,1.56 X 3.5 X .061.....23, 27, 47
 WASHER,FLAT,M10,ZINC PLTD.....89
 WASHER,FLAT,MS,#10,Y.....73, 149
 WASHER,FLAT,MS,#8,Y.....27, 47, 75
 WASHER,FLAT,USS,1/2",Y.....61, 65, 67, 75, 83, 85, 121, 123, 135-136
 WASHER,FLAT,USS,1/4"Y.....23, 27, 31, 47, 51, 69, 73, 77-78, 83, 85, 91, 93, 105, 109, 111, 119, 125, 127, 129, 131, 135-136, 141, 149, 151, 155, 157
 WASHER,FLAT,USS,3/8",Y.....65, 75, 83, 85, 93, 95, 109, 111, 121
 WASHER,FLAT,USS,5/16",Y.....27, 31, 47, 51, 61, 81, 85, 89, 95, 97, 99, 109, 111, 136
 WASHER,LOCK,#10 PLTD.....73, 149
 WASHER,LOCK,.25.....23, 27, 47, 61, 69, 73, 77-78, 81, 85, 91, 93, 105, 107, 109, 111, 121, 123, 125, 127, 131, 155
 WASHER,LOCK,.313.....61, 71, 85, 89, 91
 WASHER,LOCK,.375.....23, 25, 27, 31, 45, 47, 51, 61, 65, 67, 73, 81, 85, 89, 95, 97, 99, 109, 111
 WASHER,LOCK,0.5".....31, 51, 61, 67, 73, 81, 85, 89, 121, 123, 131, 135-136
 WASHER,LOCK,IND,LAMP RETAINER.....141
 WASHER,LOCK,M10.....65, 75, 77-78, 81, 83, 89, 91
 WASHER,LOCK,M14.....87
 WASHER,LOCK,M8.....77-78, 83
 WASHER,SELF-LOCK METAL.....109, 111
 WASHER,SHIM,SST,.825X1.25X.015.....139
 WASHER,SPINDLE.....23, 25
 WASHER,STAR,EXTERNAL,#8.....123
 WASHER,THRUST,1.5 X 3.5 X .187.....23, 25, 45
 WASHER,THRUST,TORQUE HUB.....31, 51
 WEAR PAD,4 X 2 X.50 THK.BLACK.....127, 131
 WEAR PAD,4X2X.5 W/INSERT***.....121, 127, 131
 WEAR PAD,OSCILLATING AXLE, Z45.....27, 47
 WELDMENT SET,DEUTZ ENGINE BASE.....85
 WELDMENT, RADIATOR MOUNT.....83
 WELDMENT,AIR INTAKE TUBE,GRAY.....87
 WELDMENT,DEUTZ ENGINE MOUNT.....87
 WELDMENT,ENGINE TRAY.....83

WELDMENT,FORD ENG MT,OUTBOARD.....75
 WELDMENT,LP BOTTLE BRACKET.....97
 WELDMENT,PRIMARY BOOM REST.....121
 WELDMENT,RAD MNT LRG423.....75
 WELDMENT,RADIATOR MOUNT.....65
 WELDMENT,ROD END.....23, 25, 45
 WELDMENT,UPPER PIVOT REST.....121
 WELMENT,DEUTZ ENGINE MOUNT.....87
 WHEEL ASSY, INDUSTRIAL, AF.....31
 WHEEL ASSY, INDUSTRIAL, AF NM.....23, 25
 WHEEL ASSY, INDUSTRIAL, FF.....31
 WHEEL ASSY, INDUSTRIAL, FF NM.....23, 25, 31
 WHEEL,14.5 X 7.....31, 51
 WHEEL,17.5 X 10.5,9 HOLE 50#.....31, 45, 51
 WHEEL,17.5X10.5,8 HOLES/8BC%%.....23, 25
 WIRE ASSY,Z454WD FOOT SWITCH.....135-136, 139
 WIRE CABLE,12GA/3 CON.TPE JKT*.....139
 WIRE CABLE,14/3 CON.TPE JKT*.....121, 136, 139, 155
 WIRE CABLE,14GA/4 CON.TPE JKT.....136
 WIRE CABLE,16/4 CON.TPE JKT.....123, 149
 WIRE CABLE,18/19 CON.TPRJKT.....107, 139
 WIRE LOOM,1.25 DIA.....136
 WIRE LOOM,3/8 POLY SLIT.....135-136
 WIRE SET (LRG 423) LG SET**.....71
 WIRE,12/3 SJEOW,BULK,BLK-WHT-G.....107
 WIRING DUCT, 1.5 X 1.5.....107
 WORM DRIVE,ROTATION.....93

Y

YOKE ASSY,L.H.,2WD W/BUSHINGS.....23, 25
 YOKE ASSY,L.S.,4WD.....45
 YOKE ASSY,R.S.,4WD.....45
 YOKE ASSY,RT.HAND W/BUSHINGS.....23, 25

Z

ZERK,GREASE,1/8 NPT,45DEG.....93

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Fitting Cross References

Genie PN	Parker PN	Description	Genie PN	Parker PN	Description
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	Genie PN	Parker PN	Description
48771	881-10	HOSE, 5/8 INCH ID	48847	13943-12-12	HOSE END, 90° FEMALE SWIVEL, JIC
48772	381-4	HOSE, 1/4 INCH ID	48848	10543-12-12	HOSE END, MALE, STRAIGHT THREAD
48773	AS-B-13	SLEEVE, NYLON, .86" ID	48849	1JC71-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48800	1JC43-4-4	HOSE END, FEMALE SWIVEL, SEAL LOK	48850	1JS71-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK
48801	1J743-4-4	HOSE END, 45° FEMALE SWIVEL, SEAL LOK	48851	1J171-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48802	1J943-4-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48852	1J771-12-12	HOSE END, 45° FEMALE SWIVEL, SEAL LOK
48804	1JM43-4-4	HOSE END, MALE, SEAL LOK, NO O-RING	48853	1J971-12-12	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48805	10643-4-4	HOSE END, FEMALE SWIVEL, JIC	48854	1JC43-16-16	HOSE END, FEMALE SWIVEL, SEAL LOK
48806	13943-4-4	HOSE END, 90° FEMALE SWIVEL, JIC	48855	1J943-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48807	1JS43-4-4	HOSE END, FEMALE SWIVEL, SEAL LOK	48856	1J171-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48808	3JC82-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK	48857	1J971-16-16	HOSE END, 90° FEMALE SWIVEL, SEAL LOK
48809	3JC82-12-12	HOSE END, FEMALE SWIVEL, SEAL LOK	48859	1JS43-8-4	HOSE END, FEMALE SWIVEL, SEAL LOK
48810	1JC43-6-4	HOSE END, FEMALE SWIVEL, SEAL LOK	48867	PD36BTL	DIAGNOSTIC NIPPLE, SEAL-LOK SWIVEL
48811	1J943-6-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48873	6 PNLO-S	PLUG, TUBE END, ORFS
48812	1JC43-6-6	HOSE END, FEMALE SWIVEL, SEAL LOK	48874	6 PNTX-S	PLUG, FLARE TUBE
48813	1J143-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48875	6 R6LO-S	RUN TEE, SWIVEL NUT, ORFS
48814	1J543-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48877	4 F5OLO-SW/.025	CONNECTOR, STRAIGHT THREAD TO ORFS, W/.025 ORI
48815	1J743-6-6	HOSE END, 45° FEMALE SWIVEL, SEAL LOK	48878	16-12 C5OLO-S	ELBOW, 90°, STRAIGHT THREAD TO ORFS
48816	1J943-6-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48879	8 C6LO-S	ELBOW, 90°, SWIVEL NUT ORFS
48817	1JS43-6-8	HOSE END, FEMALE SWIVEL, SEAL LOK	48880	PD6-285	CAP, DIAGNOSTIC NIPPLE
48818	1J943-8-4	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48881	6 HLO-S	UNION, ORFS
48819	1JC43-8-6	HOSE END, FEMALE SWIVEL, SEAL LOK	48883	8 P5ON-S	PLUG, STRAIGHT THREAD
48820	1J743-8-6	HOSE END, 45° FEMALE SWIVEL, SEAL LOK	48884	8M18F87OMLO-S	CONNECTOR, METRIC, STRAIGHT THREAD TO ORFS
48821	1J943-8-6	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48885	4 WGTX-WLN-S	CONNECTOR, BULKHEAD, FEMALE PIPE TO FLARE TUBE
48822	1JC43-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK	48886	4 F5OLO-SW/2MM	CONNECTOR, MACHINED STRAIGHT THREAD TO ORFS
48823	1JS43-8-8	HOSE END, FEMALE SWIVEL, SEAL LOK	48887	4 CTX-S	ELBOW, 90°, MALE PIPE TO FLARE TUBE
48824	1J143-8-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48888	10-12 V5OLO-S	ELBOW, 45°, STRAIGHT THREAD TO ORFS
48825	1J543-8-8	HOSE END, 90° FEMALE SWIVEL, SEAL LOK	48890	4 S5OLO-S	BRANCH TEE, STRAIGHT THREAD TO ORFS
48826	1J743-8-8	HOSE END, 45° FEMALE SWIVEL, SEAL LOK	48891	4 S6LO-S	BRANCH TEE, SWIVEL NUT TO ORFS
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			

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 F5OHAO-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	8-1/4F50G-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	8M18C870MLO-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
83064	13743-8-8	HOSE END,45° FEMALE SWIVEL,JIC
83065	13743-12-12	HOSE END,45° FEMALE SWIVEL,JIC
83066	13943-8-8	HOSE END,90° FEMALE SWIVEL,JIC
83067	14143-6-6	HOSE END,90° FEMALE SWIVEL,JIC
83068	14143-8-8	HOSE END,90° FEMALE SWIVEL,JIC
83069	14143-12-12	HOSE END,90° FEMALE SWIVEL,JIC
83070	772-8	HOSE,1/2 INCH ID
83071	10671-8-8	HOSE END,FEMALE SWIVEL,JIC
83072	10671-12-12	HOSE END,FEMALE SWIVEL,JIC
83073	13771-8-8	HOSE END,45° FEMALE SWIVEL,JIC
83074	13771-12-12	HOSE END,45° FEMALE SWIVEL,JIC
83075	13971-8-8	HOSE END,90° FEMALE SWIVEL,JIC
83076	13971-12-12	HOSE END,90° FEMALE SWIVEL,JIC
83077	14171-8-8	HOSE END,90° FEMALE SWIVEL,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 HP50N-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

Genie PN	Parker PN	Description
89449	6 WJLO-WLNL-S	RUN TEE, BULKHEAD,ORFS
89489	4 WJMLO-S	BRANCH TEE,BULKHEAD,ORFS
89551	1JB43-6-6	HOSE END,BULKHEAD,SEAL LOK
89552	1JB43-8-8	HOSE END,BULKHEAD,SEAL LOK
89593	20 C5OLO-S	ELBOW,90°,STRAIGHT THREAD TO ORFS
94161	8-8 CLO-S	ELBOW,90°,MALE PIPE TO ORFS
94358	351TC-12	HOSE,3/4 INCH ID
94418	20 FLO-S	CONNECTOR,MALE PIPE TO ORFS
96358	12 TX-S	SLEEVE,FLARE TUBE
96359	12 BTX-S	NUT,FLARE TUBE
96397	8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE
96398	12-8 F5OX-S	CONNECTOR,STRAIGHT THREAD TO FLARE TUBE
96402	10343-6-6	HOSE END,MALE,JIC
96407	30382-6-6B	HOSE END,MALE,JIC

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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