A TEREX BRAND

Parts Manual

Serial Number Range

S-80
S-85

from SN 966 to 3081

Part No. 65615GT
Rev: E.43
April 2024

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

Find a Manual for this Model

Go to http://www.genielift.com

Use the links to locate Operator's, Parts, Maintenance, and Service and Repair Manuals.

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65615GT Rev E.43 April 2024
Second Edition, Fifth Printing

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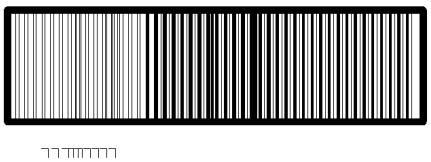
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A TEREX BRAND

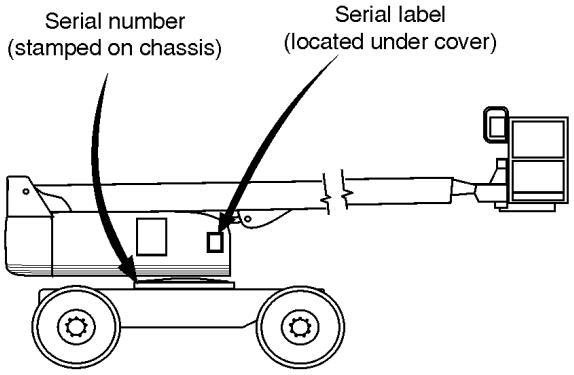
Model: S-80
Serial number: S8006-12345
Model year: 2008 **Manufacture date:** 07/05/08
Electrical schematic number: ES0274
Machine unladen weight:

Rated work load (including occupants): 500 lb / 227 kg
Maximum number of platfrm 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 : 80 ft/ 24.38 m
Maximum platform reach : 72 ft 5 in/ 22.07 m
Gradeability: N/A
Country of manufacture: USA
This machine complies with:
ANSI A92.5
CAN B.354.4

Terex South Dakota, Inc.
18340 NE 76th Street
Redmond, WA 98052
USA



S80 06 - 12345
Model
Model year
Sequence number



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.

Machine Information

_____

Model

_____

Serial Number

_____

Date of Purchase

_____

Authorized Genie Distributor

_____

Phone Number

North America

Telephone (425)881-1800

Toll Free (800)536-1800 in US and Canada

Fax (425)556-8659

Toll Free fax (888)274-6192

Email AWP.PartsSalesPO@terex.com

http://genielift.com/en

EMEAR (Europe, Middle East, Africa and Russia)

Telephone (31)(165)519 313

Fax (31)(165)511 148

http://genielift.co.uk

Asia Pacific (Genie Singapore)

Telephone +65 6692 7777

Fax +65 6261 8893

http://genielift.com.sg/

Australia

Telephone (61)(7)3456 4444

Fax (61)(7)3456 4466

http://genielift.com.au

South America

Telephone (55)(11)4082 5600

Fax (55)(11)4082 5630

Required Parts

The following parts are required to perform maintenance procedures as outlined in the Genie S-80 and S-85 Service Manual.

Perkins 704-30 Models

Description	Part No.
Air Filter	62420
Fuel Filter Element	62421
Fuel/water Separator Filter	65853
Engine Oil Filter	62422
V-belt	62423

Deutz F4L-1011F Models

Description	Part No.
Air Filter	62420
Fuel/water Separator Filter	29560
Engine Oil Filter	49924
V-belt	32698

Ford LRG-425 Models:

Description	Part No.
Fuel Pre-Filter	52179
Fuel Pressure Regulator Filter	58967
Engine Oil Filter	28656
Air Filter	77295
Serpentine Belt	52580
PCV Valve	33957
Spark Plug (pack of 4)	106490

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 Industries offers the following support documents for these models:

Title	Part No.
EMI Safety Manual	27581
Manual of Responsibilities ANSI A92.5	31779

Service Parts Fax Order Form

TEREX CORPORATION

Fax to: (425) 556-8659 or Toll Free: 888-274-6192
International: +1-425-556-8659

Please fill out completely

Date _____ Account Number _____

Your Name _____ Your Fax Number _____

_____ Your Phone Number _____

Bill To _____ Ship To _____

_____ _____

_____ _____

_____ _____

Purchase Order Number _____ Ship Via _____

Model(s) _____ **Serial No.(s)** _____

Optional Equipment _____

Part Number	Description	Quantity	Price

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

- ☐ Ship complete order only - No back orders
- ☐ Ship all available parts and contact customer on disposition of back-ordered parts
- ☐ Other (please specify)

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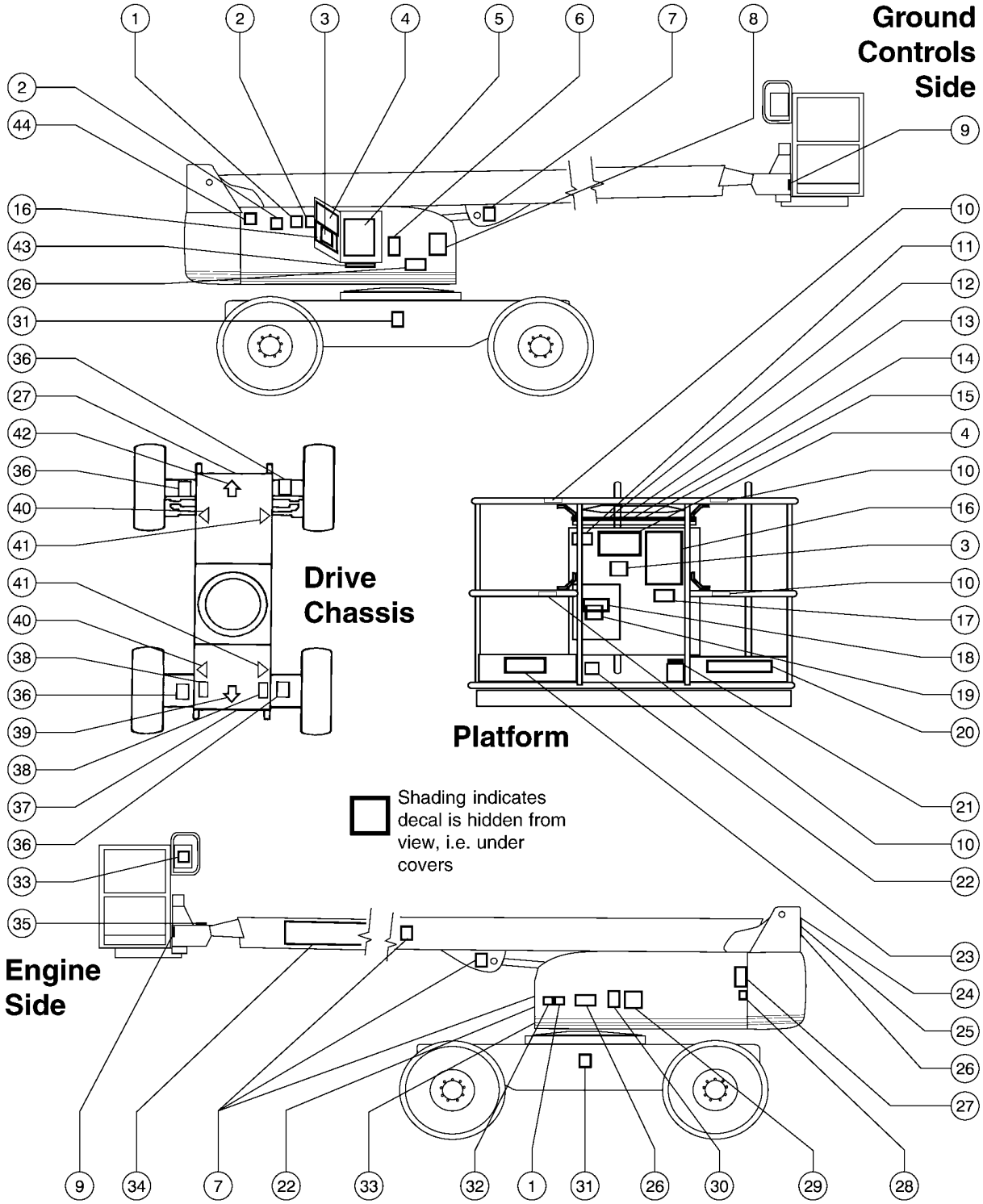
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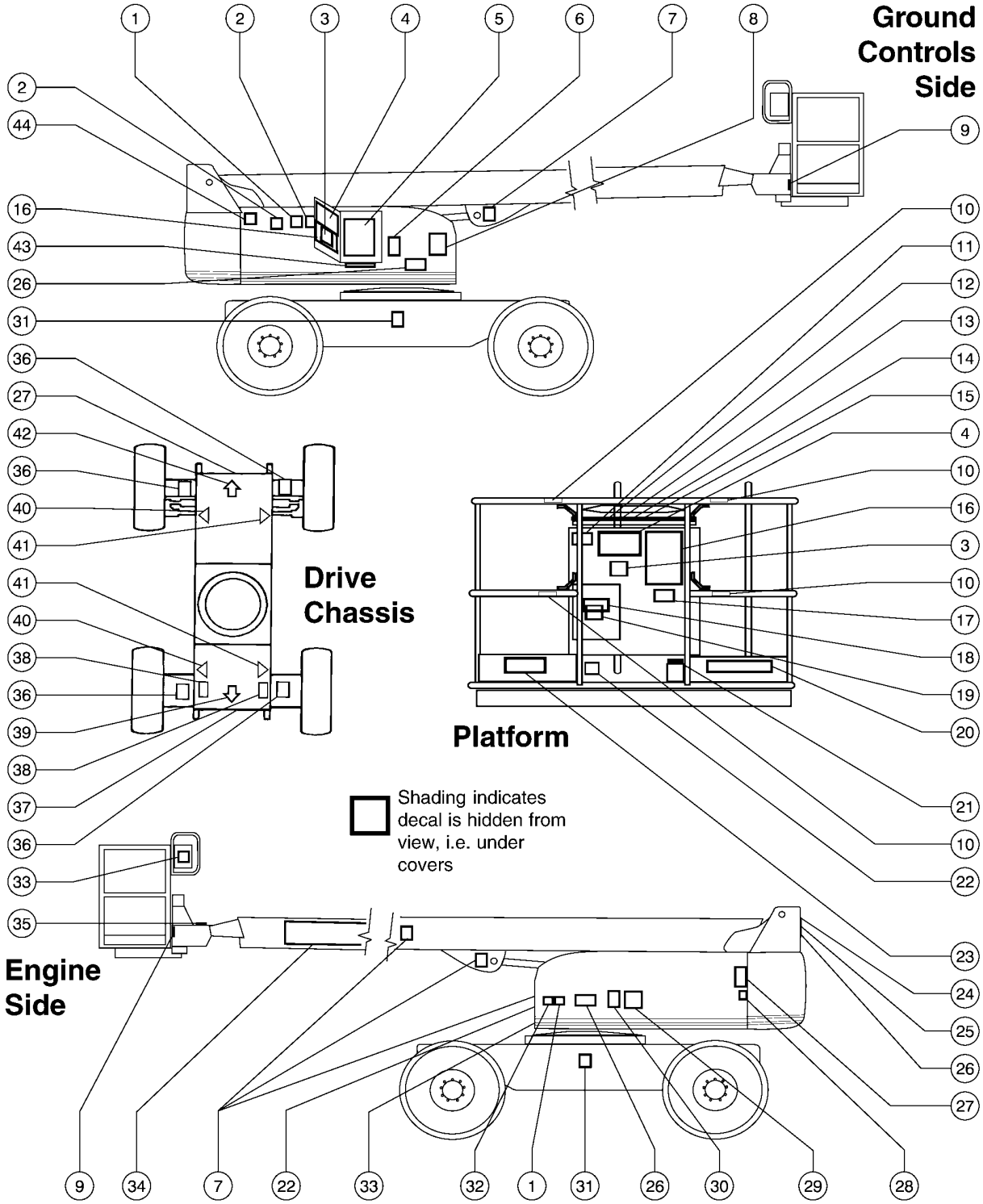
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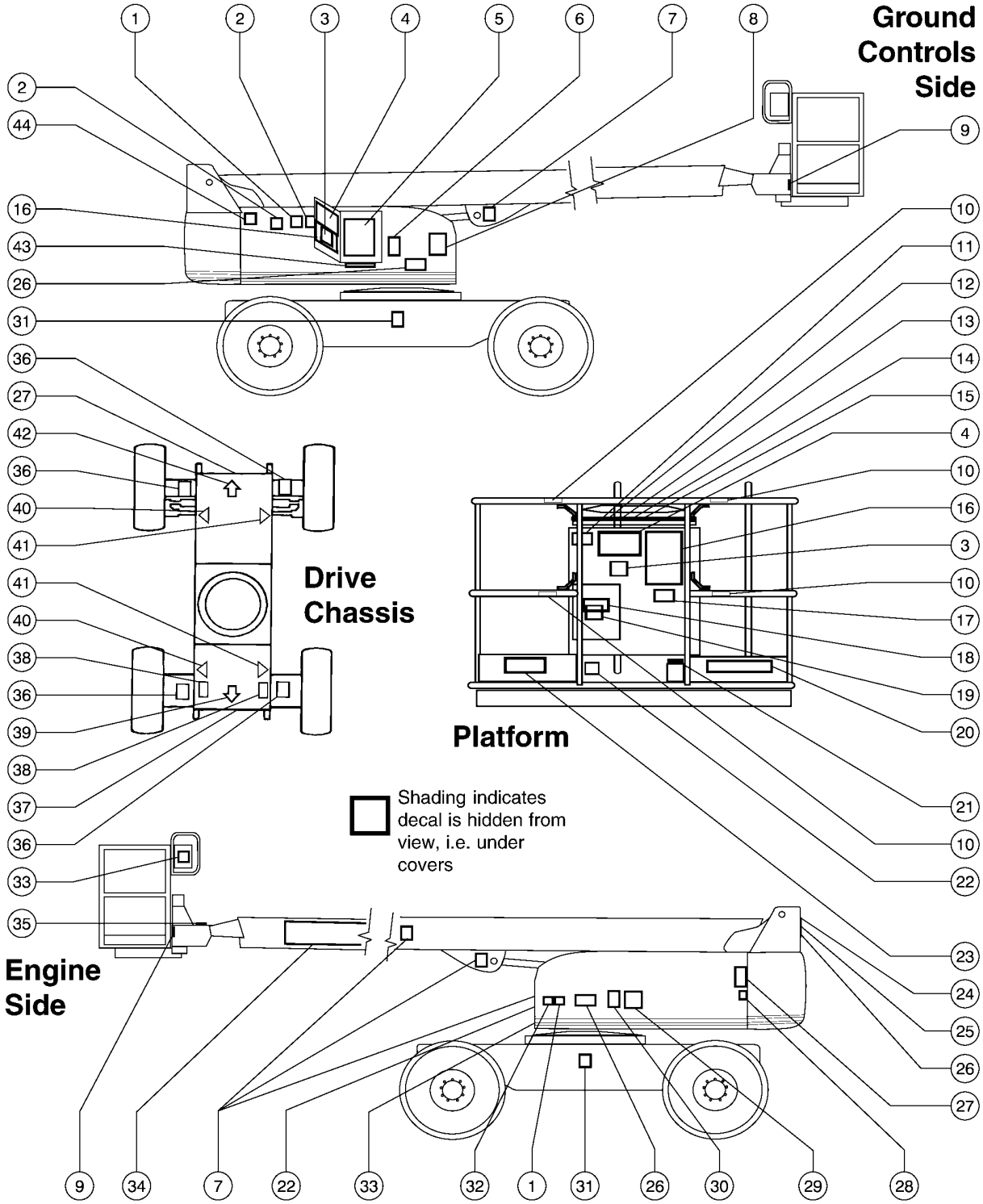
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Ground Controls Side
Drive Chassis
Platform
Engine Side
Shading indicates decal is hidden from view, i.e. under covers

Item	Part No.	Description	Qty.
A-	1279574GT	DECAL KIT,PLAT,S40/60/80,WORD from SN 966 to 3081	
	62245GT	DECAL KIT,INSTRUCT,S80/85GAS Gasoline/LPG models; kit does not include index numbers 8, 12, 13, 14, 17, 20, 22, 23, 25, 28, 33, 34 and 37	
	62246GT	DECAL KIT,INSTRUCT,S80/85DIESL Diesel models; kit does not include index numbers 8, 12, 13, 14, 17, 20, 22, 23, 25, 32, 33, 34 and 37	
	32150GT	PAINT, WET, GENIE BLUE (1 GL)**	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	32151GT	PAINT, WET, GENIE GRAY (1GL)**	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	28171GT	DECAL,DANGER,NO SMOKING ***	2
2	28158GT	DECAL,LABEL,UNLEADED GAS ONLY	2
2-	28159GT	DECAL,DIESEL	2
3	32932GT	DECAL,DANGER,TIPOVER,AXLES	2
4	43647GT	DECAL,NOTICE,OPER INST.IC***	2
5	72160GT	DECAL,GND CONT PNL,S45/S60/80	1
5-	49926GT	DECAL,GND CONT PNL,S45/60/80**	1
6	25994GT	DECAL,NOTICE,SHUTOFF VALVES	1
7	28161GT	DECAL,WARN,CRUSH HAZARD HAND	4
8	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
9	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
10	40434GT	DECAL,LANYARD ANCHORAGE POINT	4
11	33952GT	DECAL,DANGER,TILT ALARM	1
12	32726GT	DECAL,OPTION GLOW PLUGS***	1
13	133518GT	DECAL, PATCH, GEN,ALC-500	1
14	44769GT	DECAL,LABEL,LFT/DRV SELECT	1
14-	72867GT	DECAL,LABEL,LIGHTS***	1
15	52156GT	DECAL,PLATFORM CTRL PANEL	1
15-	72162GT	DECAL,PLATFORM CTRL PANEL	1
15-	72162FRGT	DECAL PLATFORM CONTROL PANEL (french)	

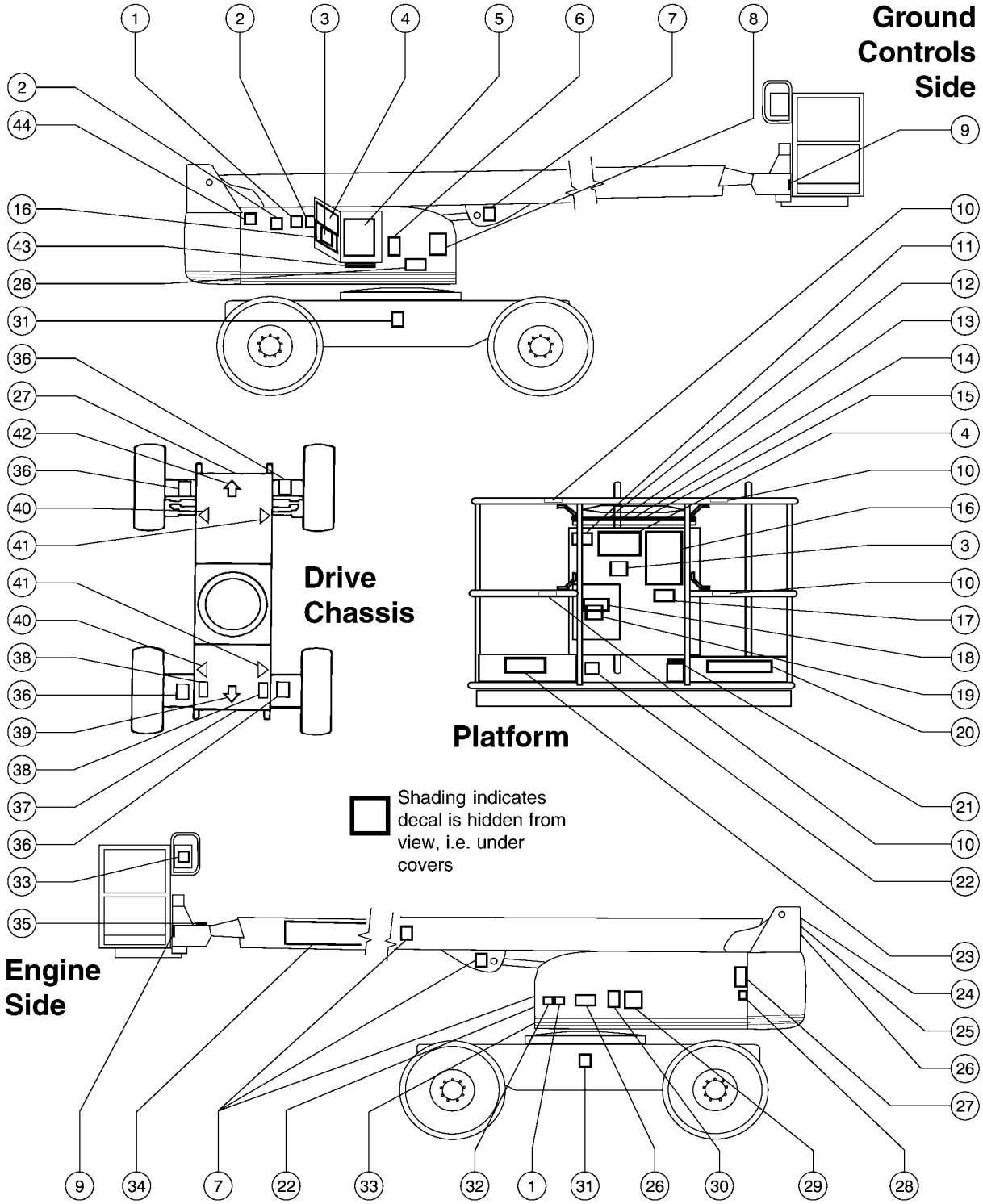

Ground Controls Side
Drive Chassis
Platform
Engine Side
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Item	Part No.	Description	Qty.
16	97890GT	DECAL,DANGER,GEN SAFETY RULES	2
17	43595GT	DECAL,DANGER,TIP-OVER,TIRES***	1
18	28236GT	DECAL,WARN,IMPROPER OPERATION	1
19	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
20	30080GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
20-	32998GT	DECAL,NOTICE,MAX LOAD 600 LBS	1
20-	43594GT	DECAL,NOTICE,MAX LOAD 750 LBS	1
21	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
22	44981GT	DECAL,LABEL,AIRLINE 110 PSI	2
23	97887GT	DECAL,INSTR,MAX SIDE FRC,ANSI ANSI and CSA Models	1
23-	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS CE Models	1
24	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
25	62921GT	DECAL,COSMETIC,S80	1
26	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	3
27	49741GT	DECAL,NOTICE,FORD EFI ENG SPEC	1
27-	33956GT	DECAL,NOTICE, FORD ENG SPEC**	1
27-	33985GT	DECAL,NOTICE,DEUTZ ENG SPEC**	1
27-	33986GT	DECAL,NOTICE,DEUTZ ENG SPEC	1
27-	63461GT	DECAL, ENGINE SPEC, PERKINS	1
28	35599GT	DECAL,NOTICE,AIR INLET*** Deutz Diesel Models	1
29	28175GT	DECAL,WARNING-COMPART ACCESS	1
30	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
31	32999GT	DECAL,NOTICE,TIRE PRESSURE	2
32	28160GT	DECAL,LABEL,LIQUID PROPANE Gasoline/LPG Models	1
33	28174GT	DECAL,POWER TO PLATFORM 230V	1
33	28235GT	DECAL,POWER TO PLATFORM 115V	1
34	62920GT	DECAL,COSMETIC,GENIE S-80	1
35	28181GT	DECAL,WARN,FALL HAZARD	1

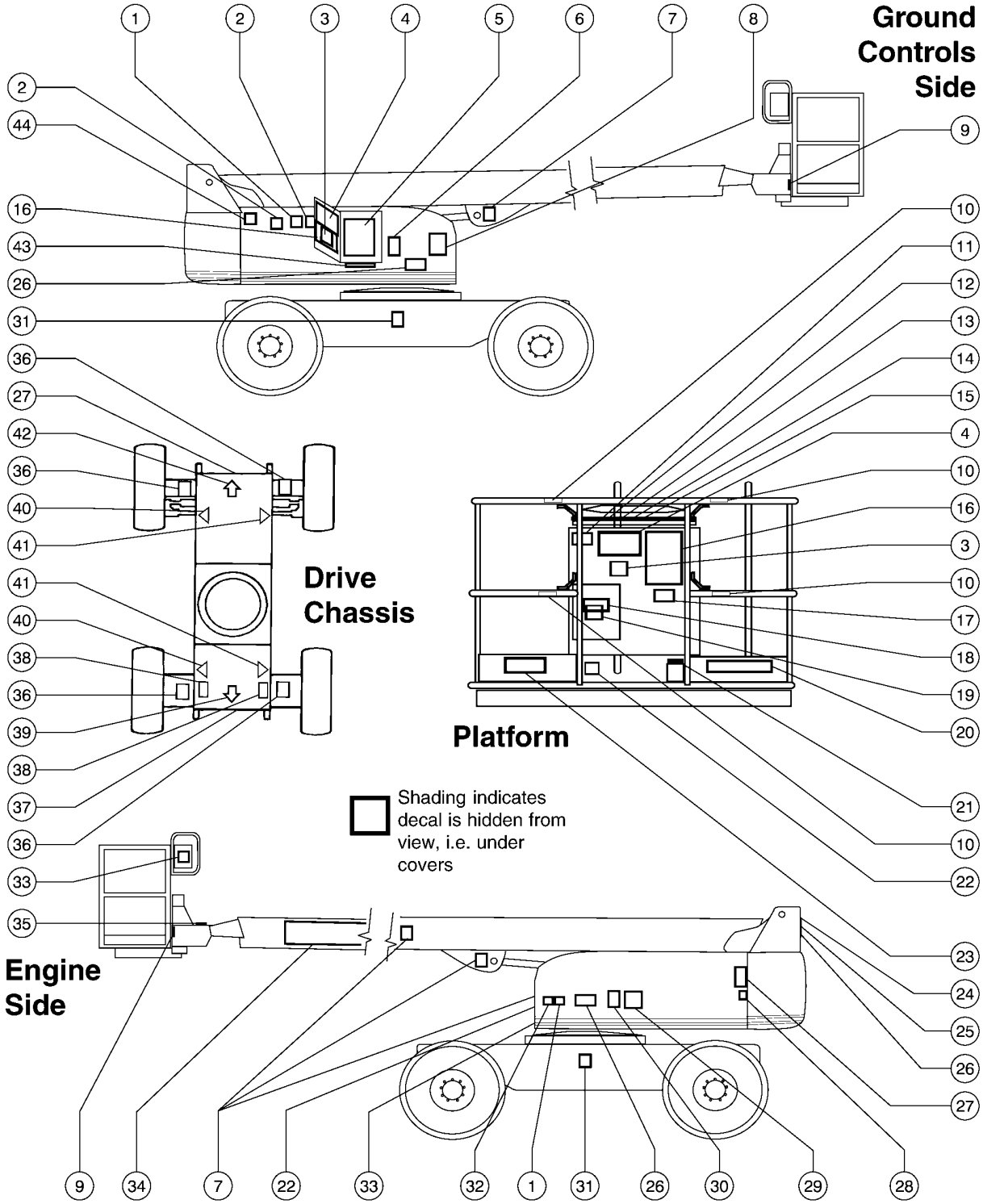

Ground Controls Side
Drive Chassis
Platform
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Engine Side

101.1 Decals

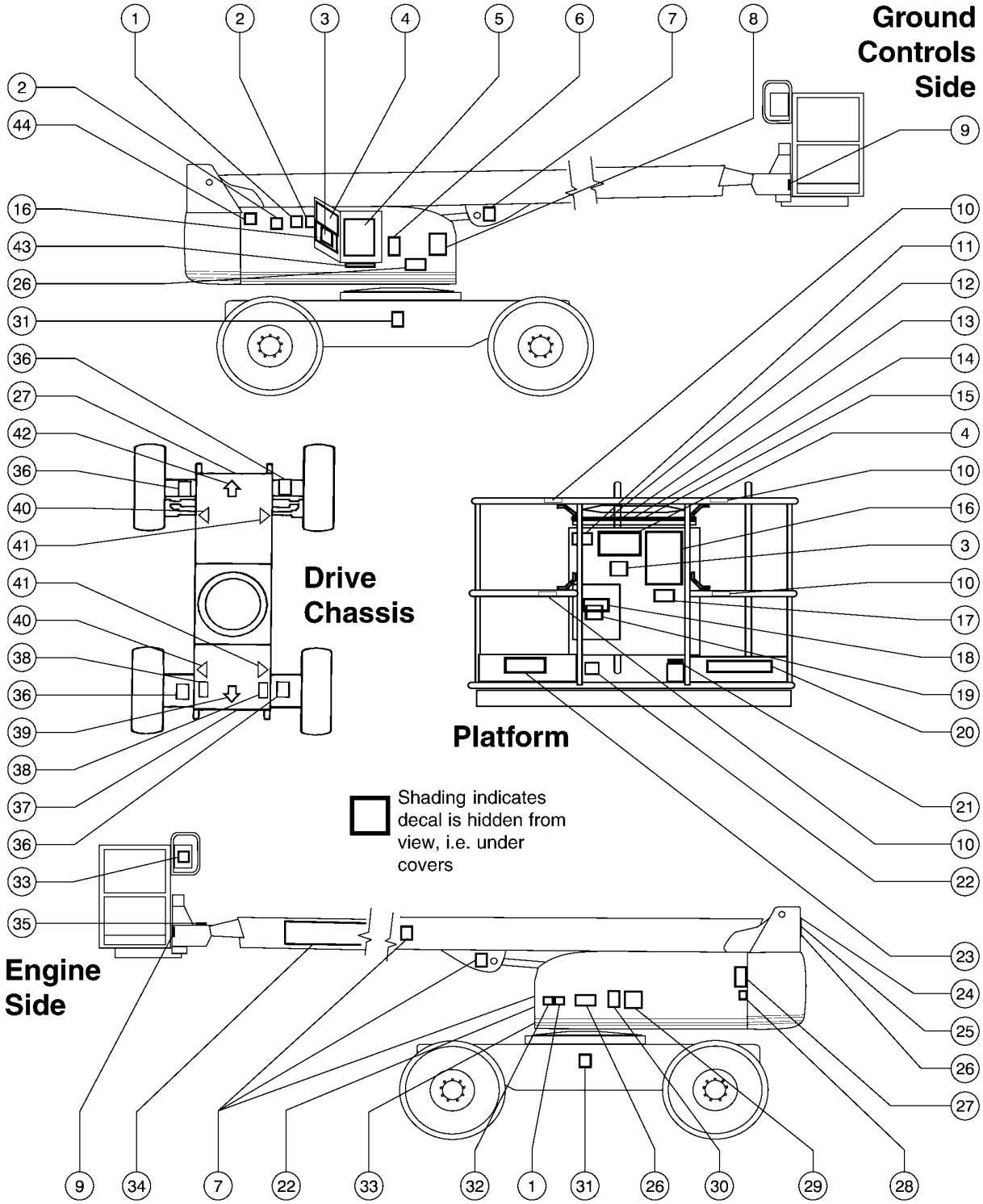
Item	Part No.	Description	Qty.
36	32997GT	DECAL,WARNING,HAND/FOOT CRUSH	4
37	52966GT	DECAL,COSMETIC,4 X 2	1
37-	52967GT	DECAL,COSMETIC,4 X 4	1
38	32996GT	DECAL,NOTICE,EXT AXLE OPER	2
39	27205GT	DECAL,ARROW YELLOW LRG 9"	1
40	27206GT	DECAL,TRIANGLE,BLUE	2
41	27207GT	DECAL,TRIANGLE,YELLOW	2
42	27204GT	DECAL,ARROW BLUE	1
43	43663GT	DECAL,NOTICE, FUNCTION ENABLE*	1
44	28157GT	DECAL,USE DEXRON***	1


Ground Controls Side
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Engine Side
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Item	Part No.	Description	Qty.
	62245GT	DECAL KIT,INSTRUCT,S80/85GAS Gasoline/LPG models; kit does not include index numbers 8, 12, 13, 14, 17, 20, 22, 23, 25, 28, 33, 34 and 37	
	62246GT	DECAL KIT,INSTRUCT,S80/85DIESL Diesel models; kit does not include index numbers 8, 12, 13, 14, 17, 20, 22, 23, 25, 32, 33, 34 and 37	
	32150GT	PAINT, WET, GENIE BLUE (1 GL)**	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	32151GT	PAINT, WET, GENIE GRAY (1GL)**	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	28171GT	DECAL,DANGER,NO SMOKING ***	2
2	28158GT	DECAL,LABEL,UNLEADED GAS ONLY	2
2-	28159GT	DECAL,DIESEL	2
3	32932GT	DECAL,DANGER,TIPOVER,AXLES	2
4	43647GT	DECAL,NOTICE,OPER INST.IC***	2
5	72160GT	DECAL,GND CONT PNL,S45/S60/80	1
5-	49926GT	DECAL,GND CONT PNL,S45/60/80**	1
6	25994GT	DECAL,NOTICE,SHUTOFF VALVES	1
7	28161GT	DECAL,WARN,CRUSH HAZARD HAND	4
8	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
9	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
10	40434GT	DECAL,LANYARD ANCHORAGE POINT	4
11	33952GT	DECAL,DANGER,TILT ALARM	1
12	32726GT	DECAL,OPTION GLOW PLUGS***	1
13	133518GT	DECAL, PATCH, GEN,ALC-500	1
14	44769GT	DECAL,LABEL,LFT/DRV SELECT	1
14-	72867GT	DECAL,LABEL,LIGHTS***	1
15	52156GT	DECAL,PLATFORM CTRL PANEL	1
15-	72162GT	DECAL,PLATFORM CTRL PANEL	1
15-	72162FRGT	DECAL PLATFORM CONTROL PANEL (french)	
16	97890GT	DECAL,DANGER,GEN SAFETY RULES	2


Ground Controls Side
Drive Chassis
Platform
Engine Side
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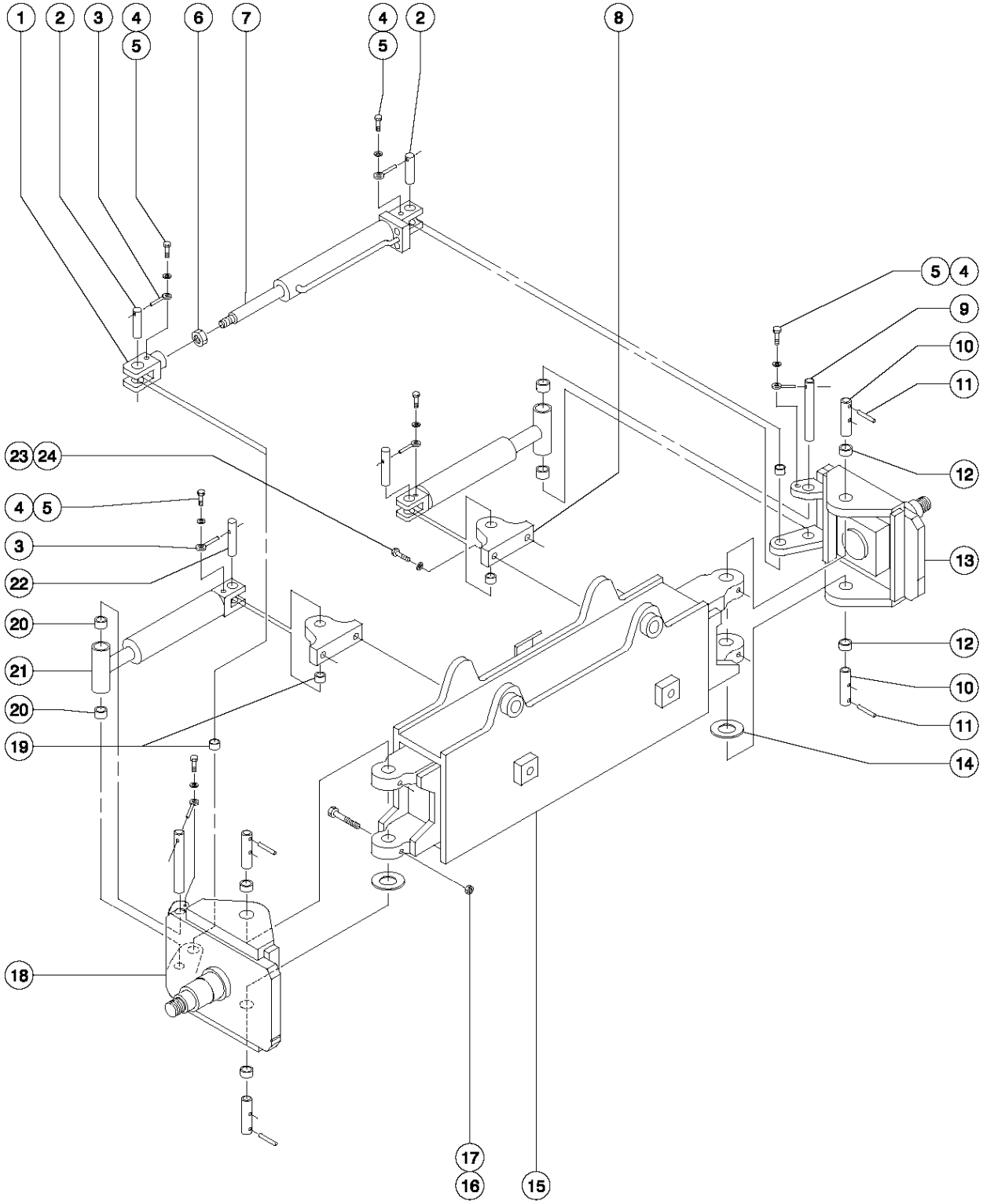
Item	Part No.	Description	Qty.
17	43595GT	DECAL,DANGER,TIP-OVER,TIRES***	1
18	28236GT	DECAL,WARN,IMPROPER OPERATION	1
19	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
20	30080GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
20-	32998GT	DECAL,NOTICE,MAX LOAD 600 LBS	1
20-	43594GT	DECAL,NOTICE,MAX LOAD 750 LBS	1
21	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
22	44981GT	DECAL,LABEL,AIRLINE 110 PSI	2
23	97887GT	DECAL,INSTR,MAX SIDE FRC,ANSI ANSI and CSA Models	1
23-	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS CE Models	1
24	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
25	62923GT	DECAL,COSMETIC,S85	1
26	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	3
27	49741GT	DECAL,NOTICE,FORD EFI ENG SPEC	1
27-	33956GT	DECAL,NOTICE, FORD ENG SPEC**	1
27-	33985GT	DECAL,NOTICE,DEUTZ ENG SPEC**	1
27-	33986GT	DECAL,NOTICE,DEUTZ ENG SPEC	1
27-	63461GT	DECAL, ENGINE SPEC, PERKINS	1
28	35599GT	DECAL,NOTICE,AIR INLET*** Deutz Diesel Models	1
29	28175GT	DECAL,WARNING-COMPART ACCESS	1
30	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
31	32999GT	DECAL,NOTICE,TIRE PRESSURE	2
32	28160GT	DECAL,LABEL,LIQUID PROPANE Gasoline/LPG Models	1
33	28174GT	DECAL,POWER TO PLATFORM 230V	1
33-	28235GT	DECAL,POWER TO PLATFORM 115V	1
34	62922GT	DECAL,COSMETIC,GENIE S-85	1
35	28181GT	DECAL,WARN,FALL HAZARD	1
36	32997GT	DECAL,WARNING,HAND/FOOT CRUSH	4


Ground Controls Side
Drive Chassis
Platform
Engine Side
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101.2 Decals

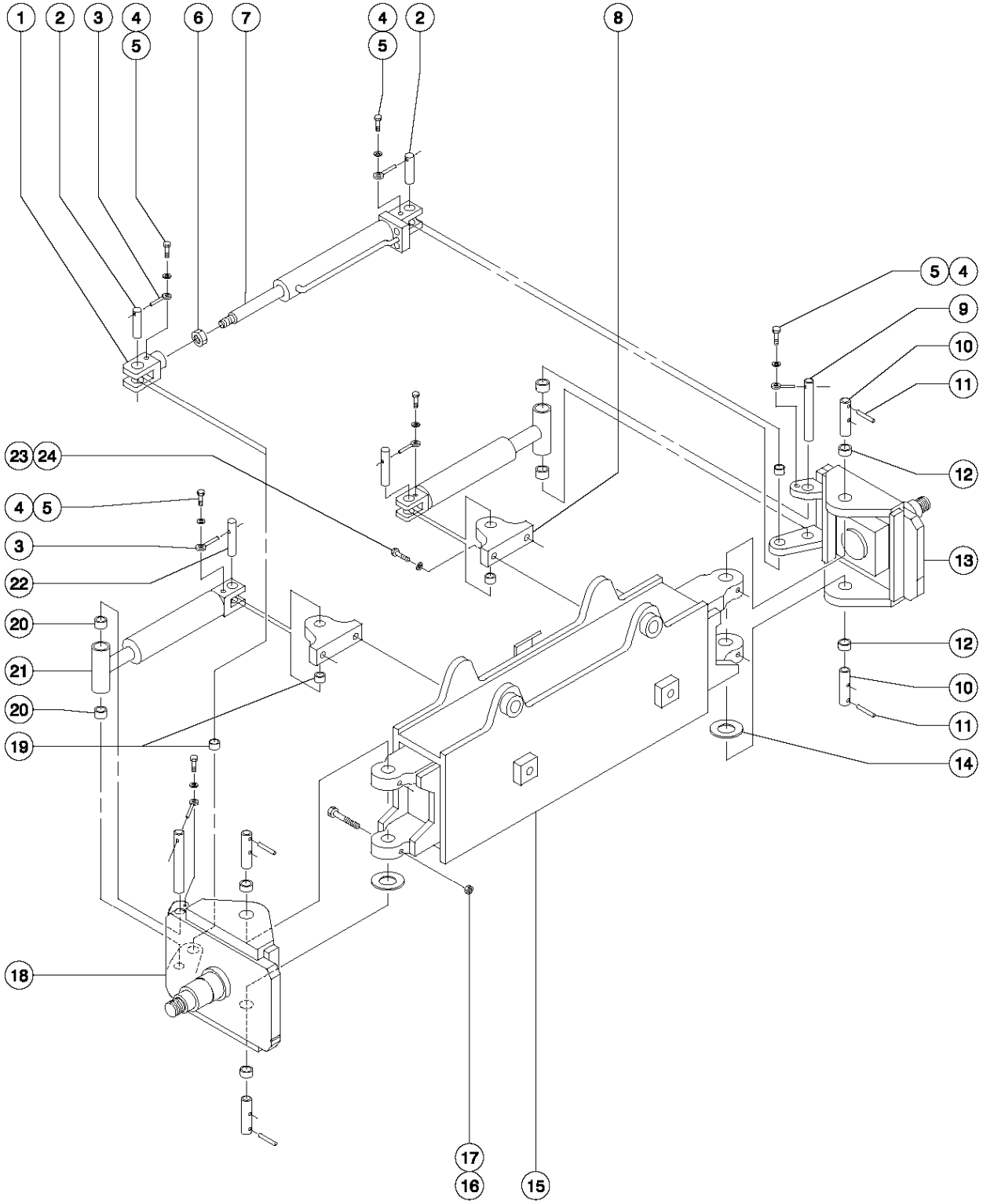
Item	Part No.	Description	Qty.
37	52966GT	DECAL,COSMETIC,4 X 2	1
37-	52967GT	DECAL,COSMETIC,4 X 4	1
38	32996GT	DECAL,NOTICE,EXT AXLE OPER	2
39	27205GT	DECAL,ARROW YELLOW LRG 9"	1
40	27206GT	DECAL,TRIANGLE,BLUE	2
41	27207GT	DECAL,TRIANGLE,YELLOW	2
42	27204GT	DECAL,ARROW BLUE	1
43	43663GT	DECAL,NOTICE, FUNCTION ENABLE*	1
44	28157GT	DECAL,USE DEXRON***	1

201.1 Steer Axle Linkage



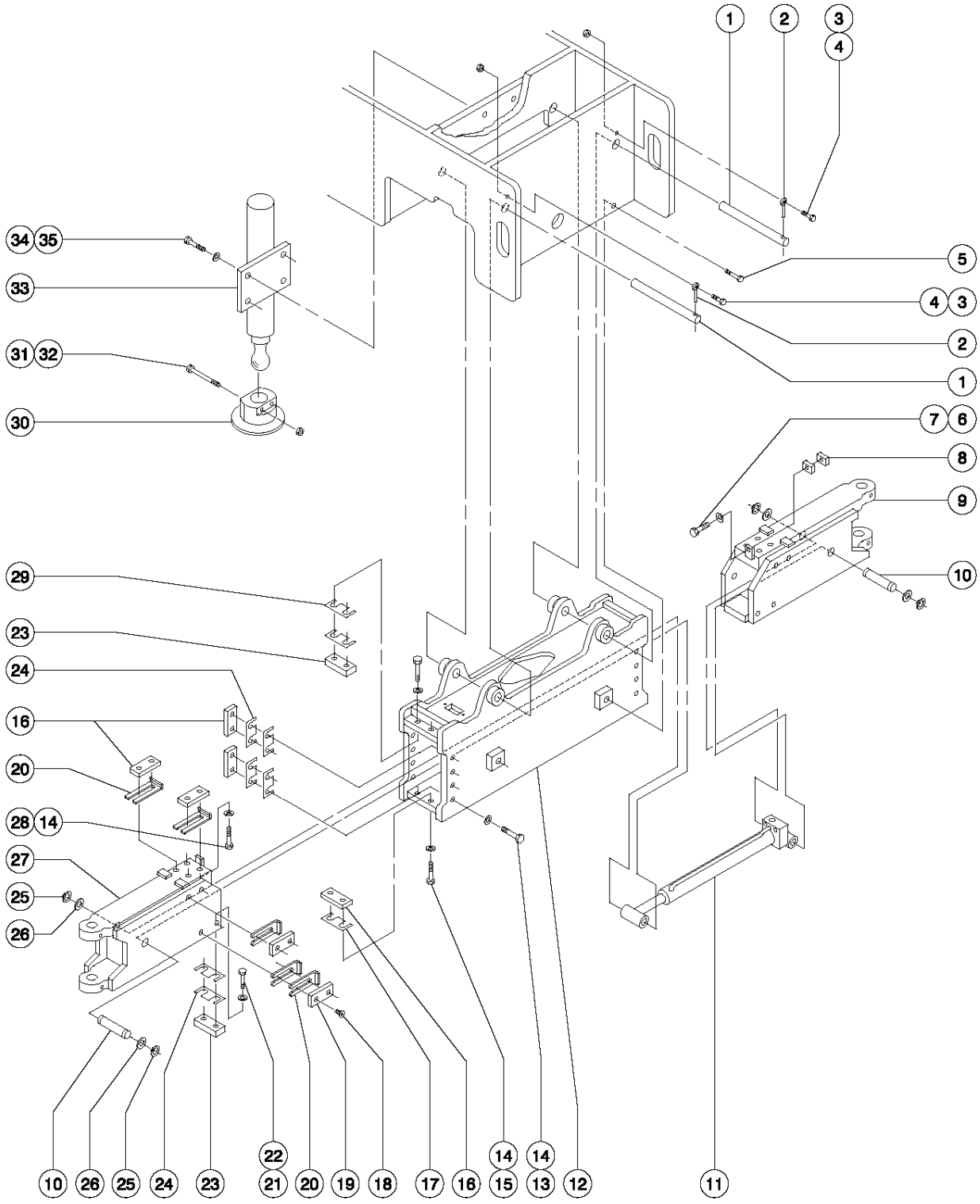
Item	Part No.	Description	Qty.
1	34290P-SGT	ADJUSTMENT LUG,1.25-7 PAINTED	1
2	34276GT	PIN,1.25DIAX3.37LG,1HOLE	2
3	1255452GT	ROD END,.375 X 2.25,ZAG	6
4	6175GT	SCREW,HHC,3/8-16 X 1	6
5	6021GT	WASHER, LOCK, .375	6
6	27953GT	NUT,HEX,JAM,1.25-7	1
7	81993GT	CYLINDER,TIE ROD, S80/S85	1
7-	63359GT	SEAL KIT CYL.S80(63219)	1
7-	33428GT	VALVE,COUNTERBALANCE	1
8	36892P-SGT	LUG,FRONT AXLE STEERING,PAINT	2
9	34275GT	PIN,1.25DIAX10.18LG,1HOLE	2
10	53081GT	PIN,1.50DIAX4.76LG,2HOLE	4
11	14815GT	PIN,ROLL,SST,.25 X 2.25	4
12	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	4
13	53493-SGT	2WD STR.YOKE WELD.L.H.2ND STG. includes 2 each of index number 12 and 1 each of index number 19	1
14	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
15		WELDMENT,OUTER FRONT AXLE (no longer available)	1
16	6198GT	NUT, NYLOCK, 1/2-13	2
17	12461GT	SCREW,HHC,1/2-13 X 5,GRD.8	2
18	53492-SGT	2WD STR.YOKE WELD.R.H.2ND STG. includes 2 each of index number 12 and 1 each of index number 19	1
19	34245GT	BEARING,1.25IDX1.50X1.25L	4
20	25683GT	BEARING,POLYGON,20DU12 (for 34128 cylinder)	4
20	59266GT	BEARING, POLYGON P2055 (59105) (for 59101 and 88348 cylinders)	
21	88348GT	CYLINDER,STEER S80/85 includes 2 each of index number 20	2
21-	88349GT	SEAL KIT,STEER CYL*** (use with cylinder 88348)	2
21	59050GT	SEAL KIT,2.5" BORE,1.5" ROD*** (use with cylinder 59101)	
21-	31078GT	SEAL KIT,HYDRAULIC CYLINDER*** (use with cylinder 34128)	
22	35849GT	PIN,1.25DIAX4.19LG,THREADED	2

201.1 Steer Axle Linkage



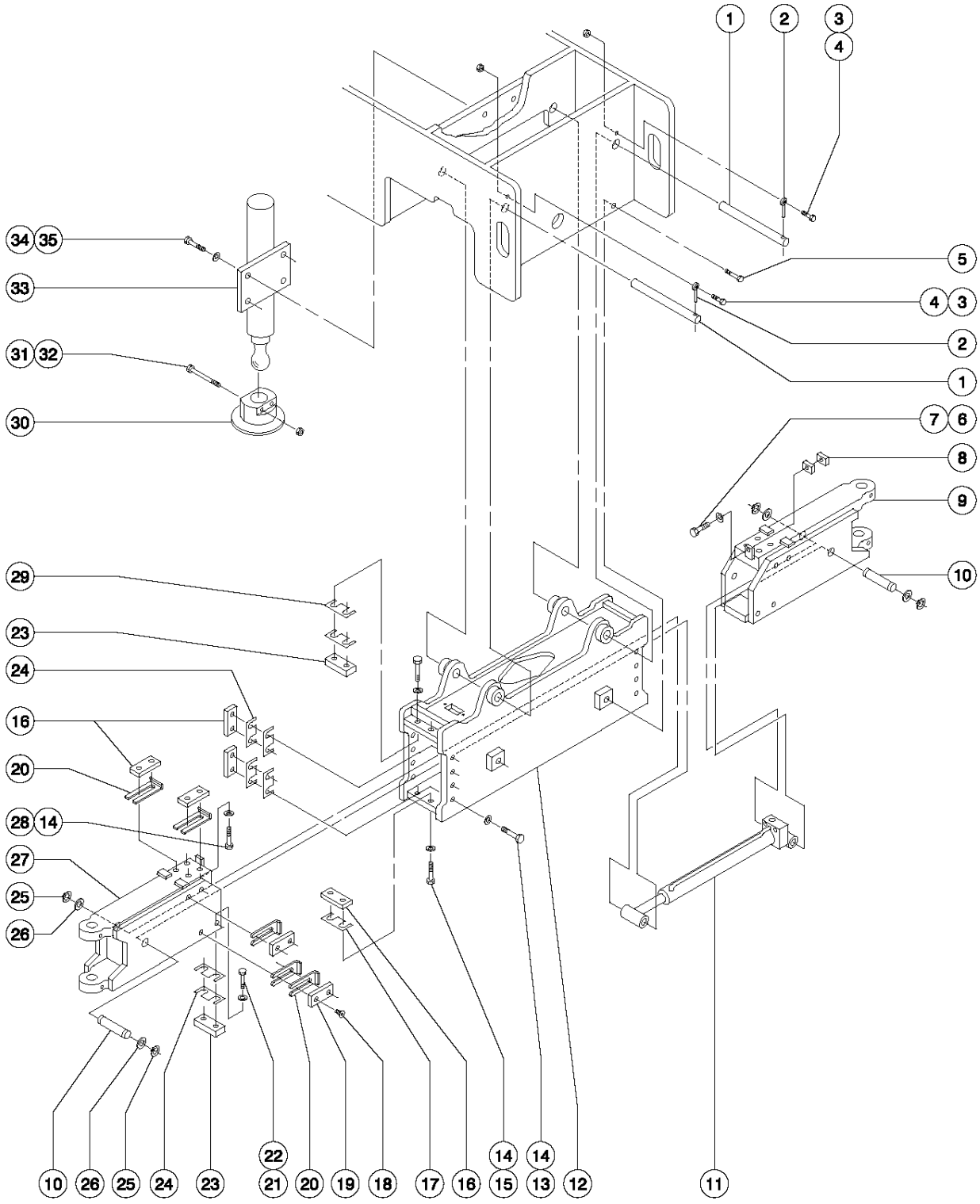
Item	*Part No.*	*Description*	*Qty.*
23	36897GT	SCREW,SHC,5/8-18 X 2.25	4
24	42191GT	WASHER,FLAT,.640X1.160X.09	4

202.1 Extendable Steer Axle Installation



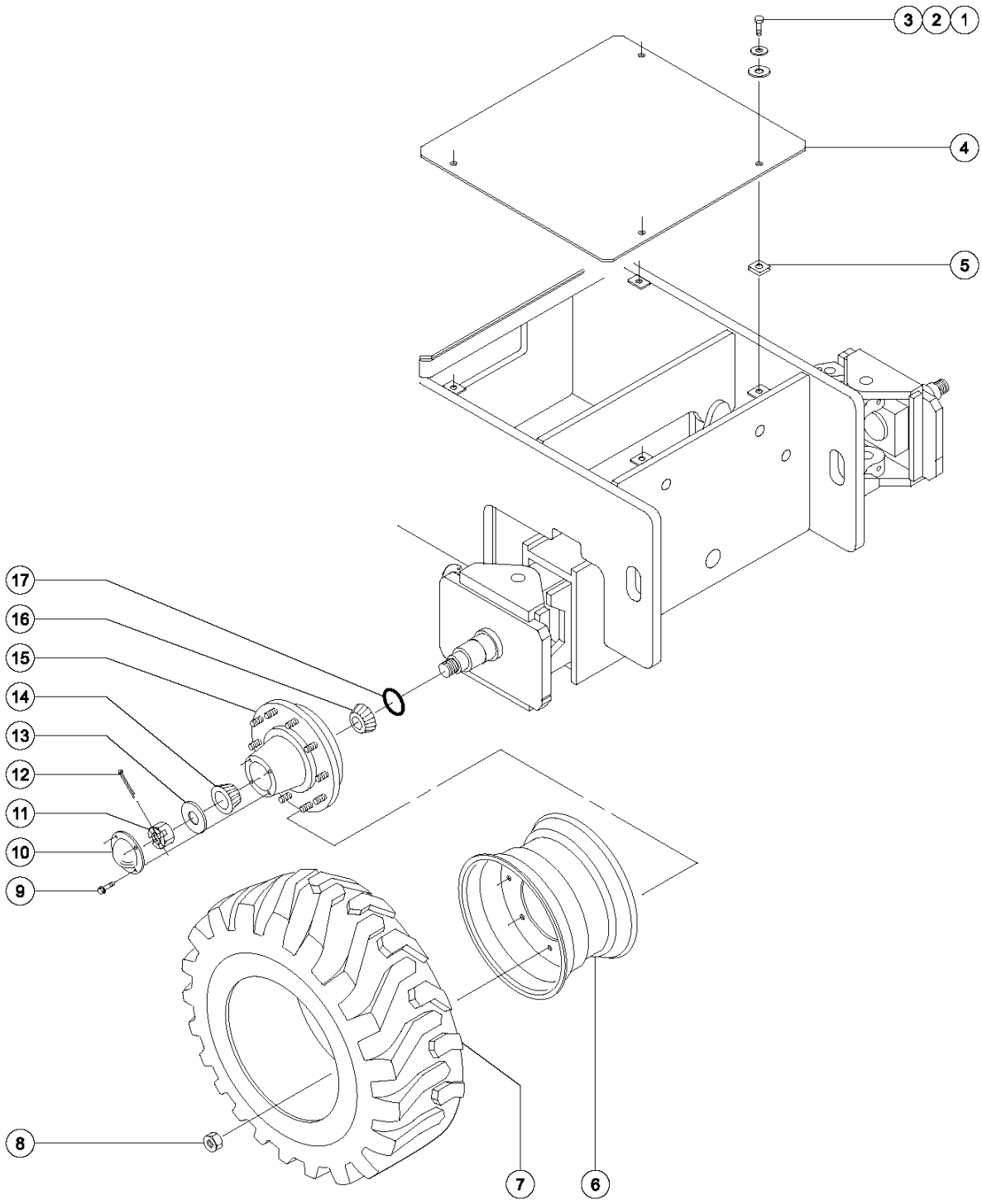
Item	Part No.	Description	Qty.
1	30731GT	PIN,PRIM.BOOM,16.0 X 1.5 INCH	2
2	1256267GT	ROD END,.5 X 3.75,ZAG	2
3	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
4	6086GT	NUT,LP NYLOCK,1/2-13	4
5	19418GT	SCREW,SHC,5/8-11 X 1.75	2
6	6888GT	SCREW, HHC, 1/4-20 X 1	2
7	6356GT	WASHER,LOCK,.25	2
8	34723P-SGT	TAP BLOCK,AXLE ADJ.PAINTED	4
9	40669GT	WLDT,INN FR AXLE LH MACHED	1
10	34277GT	PIN,1.00DIAX6.71LG,2RING	2
11	63217GT	CYLINDER,AXLE EXTENSION,FRONT	1
11-	63357GT	SEAL KIT CYL.S80(63217)	1
11-	33428GT	VALVE,COUNTERBALANCE	1
12		WELDMENT,OUTER FRONT AXLE (no longer available)	1
13	8516GT	SCREW, HCC, 3/8-16 X 1.50	16
14	6021GT	WASHER, LOCK, .375	20
15	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
16	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	14
17	34343GT	SHIM,SIDE PAD 16GA,.44 SLOT	16
18	16439GT	SCREW,FHS,3/8-16 X 1	16
19	34207GT	WEAR PAD,5 X 1.5 X .75	8
20	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	16
21	10598GT	SCREW,HHC,1/2-13 X 3	16
22	6033GT	WASHER,LOCK,0.5"	4
23	41547P-SGT	PAD,AXLE COMPRESSION,PAINTED	4
24	41555GT	SHIM,SIDE PAD 16GA,.56 SLOT	22
25	44662GT	SNAP RING,EXTERNAL,1.00 DIA.	4
26	30748GT	WASHER,SHIM,1.01 X 1.63 X.062	4

202.1 Extendable Steer Axle Installation



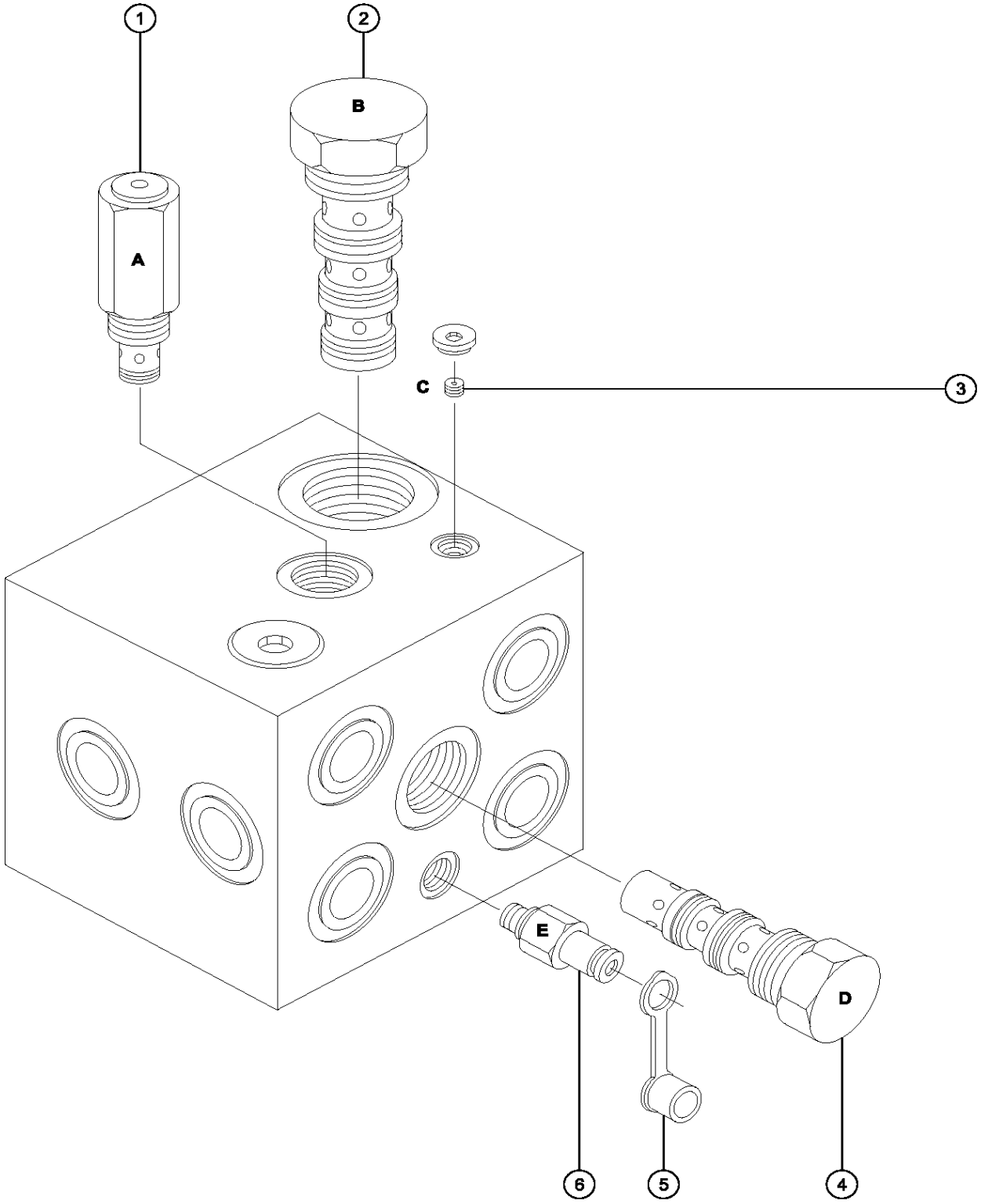
Item	*Part No.*	*Description*	*Qty.*
27	40667GT	WLDT,INN FR AXLE RH MACHINED	1
28	6708GT	SCREW,HHC,3/8-16 X 2.25	8
29	34954GT	SHIM,SIDE PAD 16GA.1.5 X 3.5	4
30	34772GT	CASTING,JACK FT/PAD PAINTED	1
31	12981GT	SCREW,HHC,3/8-16 X 4.5	2
32	4828GT	NUT, NYLOCK, 3/8-16	2
33	63220GT	CYLINDER,JACK***	1
33-	63360GT	SEAL KIT CYL.S80(63220)	1
34	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	4
35	6036GT	WASHER,LOCK,.625 PLTD	4

203.1 Steering Wheels and Hubs



Item	Part No.	Description	Qty.
1	6090GT	SCREW, HHC, 1/4-20 X .75	4
2	6356GT	WASHER,LOCK,.25	4
3	6638GT	WASHER, FLAT, USS, 1/4"Y	4
4	33448GT	COVER W/DECALS,DR.CHAS.STR.END no longer available	1
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
6	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
7A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
7A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
7A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
7B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
7B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
8	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
9	18506GT	SCREW 5/16-18 X .75 LG.FLG.LCK.	8
10	73082GT	CAP,DUST	2
11	34627GT	NUT,SPINDLE,2.00-12	2
12	34628GT	PIN,COTTER,.375 X 3.5	2
13	34626GT	WASHER,FLAT,2.0 X 4.5 X .25	2
14	73080GT	BEARING,OUTER CONE	2
15	73075GT	HUB ASSY W/RACES	2
15-	73076GT	HUB RACE,INNER	2
15-	73077GT	HUB RACE, OUTER	2
15-	73078GT	STUD,WHEEL,3/4-16	2
16	73079GT	BEARING, INNER CONE	2
17	94794GT	SEAL,GREASE	2

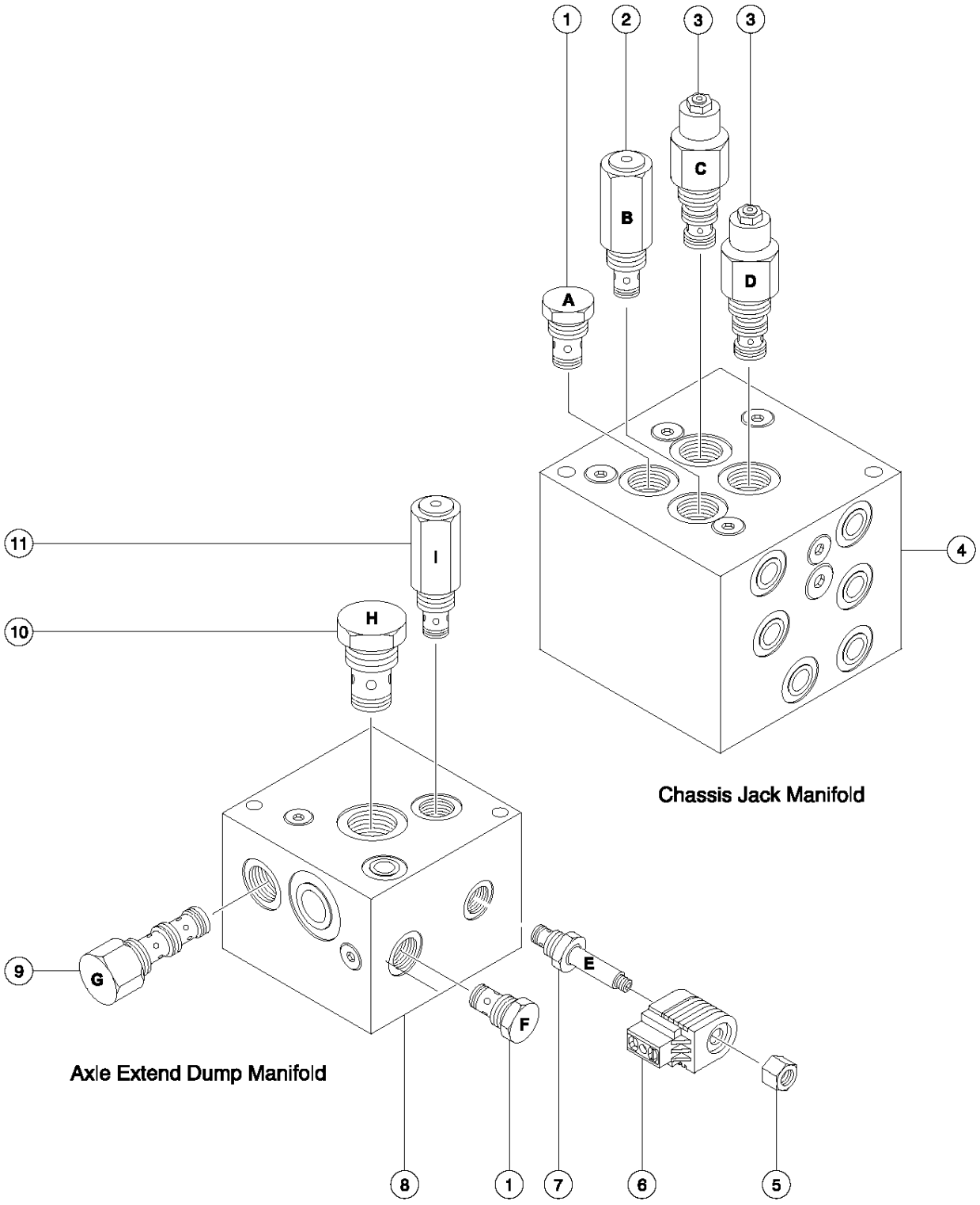
204.1 Drive Manifold, 2WD



204.1 Drive Manifold, 2WD

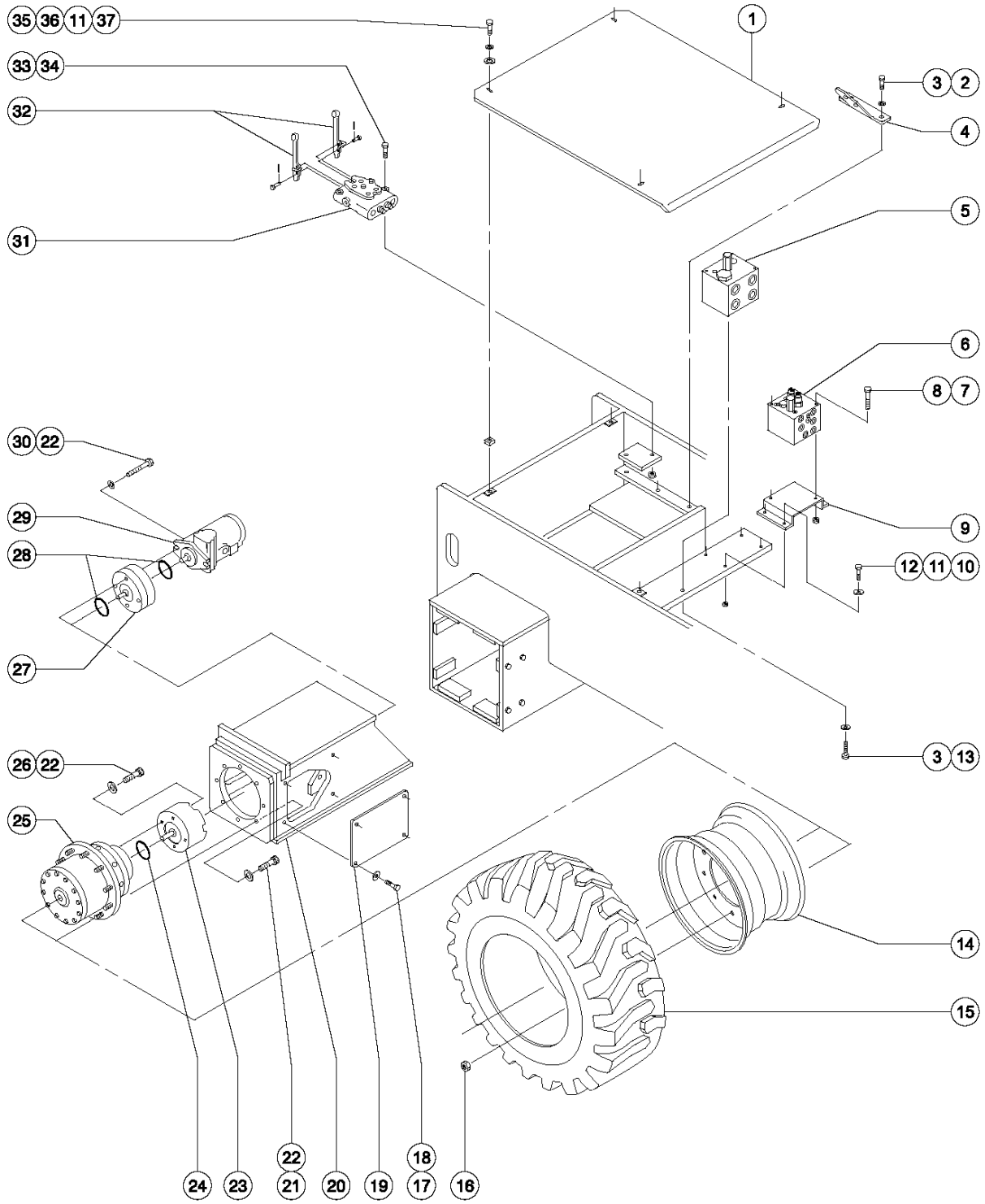
Item	Part No.	Description	Qty.
	34448GT	TRACTION MANIFOLD,2WD*** ..... includes index numbers 1 through 4	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	43597GT	VALVE,RELIEF,210 PSI	1
2	52726GT	VALVE,FLOW DIVIDER/COMBINER	1
3	33520GT	PLUG,ORIFICE,0.070	1
4	27761GT	VALVE,SHUTTLE	1
5	48880GT	CAP,DIAGNOSTIC NIPPLE	1
6	48997GT	NIPPLE,DIAGNOSTIC,#4	1
6-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
A		Relief valve, 210 psi (14.5 bar) ..... Charge pressure circuit	
B		Flow Divider/Combiner ..... Controls flow to non-steer drive motors in forward and reverse	
C		Orifice Plug, 0.070 inch ..... Drive circuit	
D		Shuttle valve, 3 position 3 way ..... Charge pressure, hot oil shuttle	
E		Diagnostic fitting ..... Testing	

205.1 Chassis Jack and Axle Extend Dump Manifolds



Item	Part No.	Description	Qty.
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	45543GT	VALVE,CHECK, 50 PSI	2
2	62242GT	VALVE,RELIEF,350 PSI,CHASS.JAC	1
3	40665GT	VALVE,COUNTERBALANCE (36078)**	2
4	48539GT	MANIFOLD,CHASSIS JACK includes 1 each index number 1 and index numbers 2 and 3	1
5	45912GT	NUT,SOLENOID VALVE 2P3W	1
6	27814GT	COIL,SOLENOID,10V	1
7	33456GT	VALVE,SOLENOID (34545) includes index numbers 5 and 6	1
8	48536GT	MANIFOLD,AXLE EXTEND DUMP includes 1 each index number 1 and index numbers 5, 6, 7 and 9 through 11	1
9	58960GT	VALVE,FLOW REGULATOR,.3 GPM	1
10	62240GT	VALVE,CHECK,S80 AXLE EXT.DUMP	1
11	62241GT	VALVE,RELIEF,200 PSI (48536)	1
A		Check valve Hydraulic limit switch circuit	
B		Relief valve, (24.1 bar) 350 psi Chassis Jack auto retract circuit	
C		Counterbalance valve Non-steer end Chassis Jack circuit	
D		Counterbalance valve Steer end Chassis Jack circuit	
E		Solenoid valve Allows Chassis Jacks to lift chassis when boom is in stowed position	
F		Check valve Prevents flow from Chassis Jacks through auxiliary pump	
G		Flow Regulator Valve Regulates flow to steer manifold	
H		Check valve Blocks flow back to pump	
I		Relief valve Chassis jack relief circuit when boom is raised or extended	

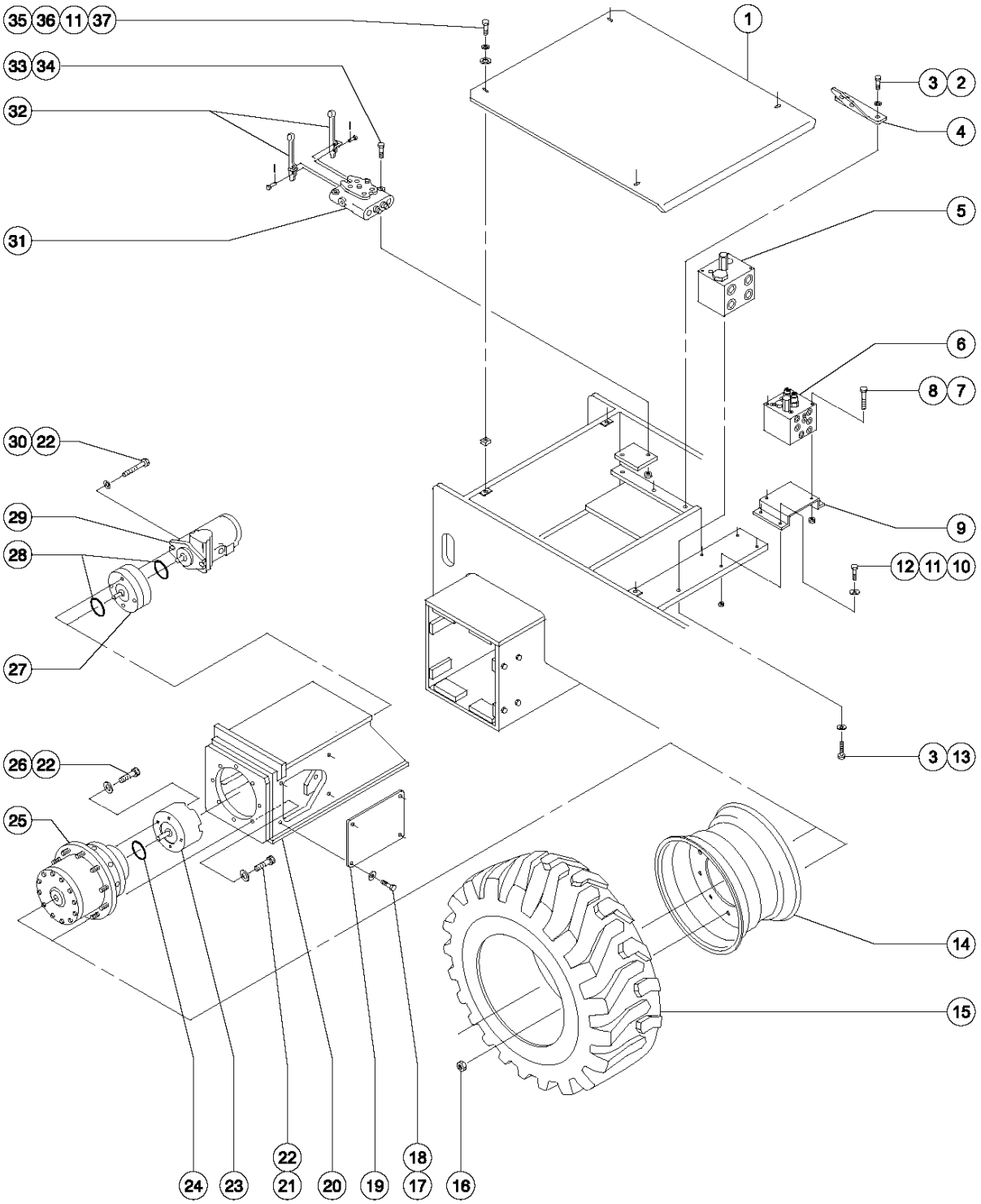
206.1 Non-Steer Axle Wheel Drive (to SN 2732)



206.1 Non-Steer Axle Wheel Drive (to SN 2732)

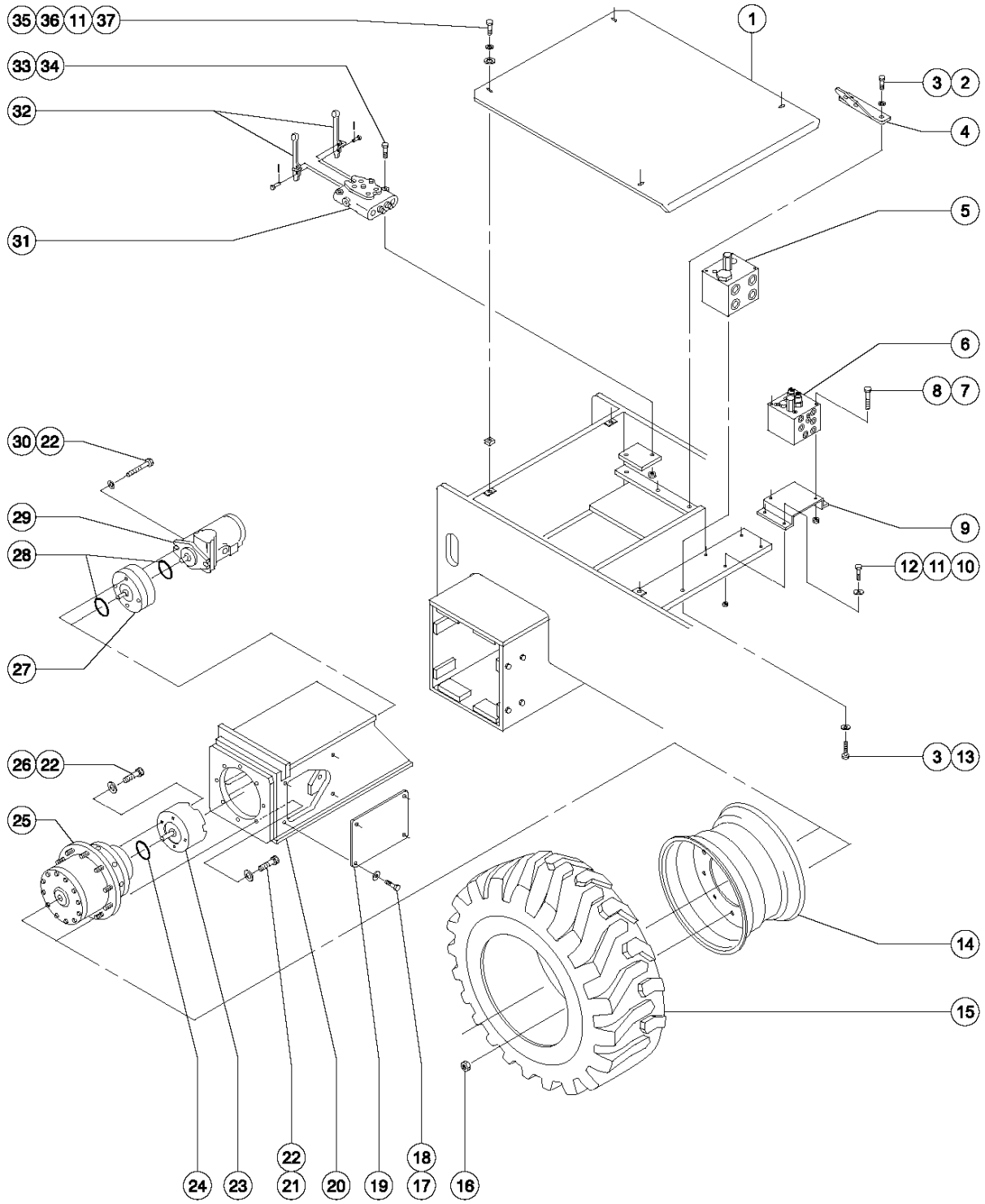
Item	Part No.	Description	Qty.
	58020GT	DRIV CHAS COVER ASSY N/S END from SN 1249	
1	33467GT	COVR W/DECLS,DR CHAS NS END to SN 1248	1
2	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
3	6033GT	WASHER,LOCK,0.5"	6
4	34719P-SGT	BRACKET,HOSE SUPPORT PAINTED	2
5	34448GT	TRACTION MANIFOLD,2WD***	1
6	48539GT	MANIFOLD,CHASSIS JACK	1
7	49465GT	SCREW,HHC,5/16-18 X 5	2
8	6782GT	NUT, NYLOCK, 5/16-18	2
9	49421P-SGT	MOUNT, CHASSIS JACK MANIFOLD	1
10	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
11	6638GT	WASHER, FLAT, USS, 1/4"Y	8
12	6889GT	NUT,LP NYLOCK,1/4-20	4
13	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	2
14	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
15A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
15A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
15A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
15B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
15B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
16	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
17	8255GT	SCREW,HHC,3/8-16 X .75	8
18	6021GT	WASHER, LOCK, .375	8
19	34219P-SGT	COVER,REAR AXLE PAINTED	2
20	53404GT	INNER REAR AXLE WELDMENT, L.H.	1
20-	53405GT	INNER REAR AXLE WELDMENT, R.H.	1
21	45066GT	SCREW,SHC,5/8-11 X 2.25	16
22	13064GT	WASHER,FLAT,.625 HARDENED to SN 2642	24

206.1 Non-Steer Axle Wheel Drive (to SN 2732)



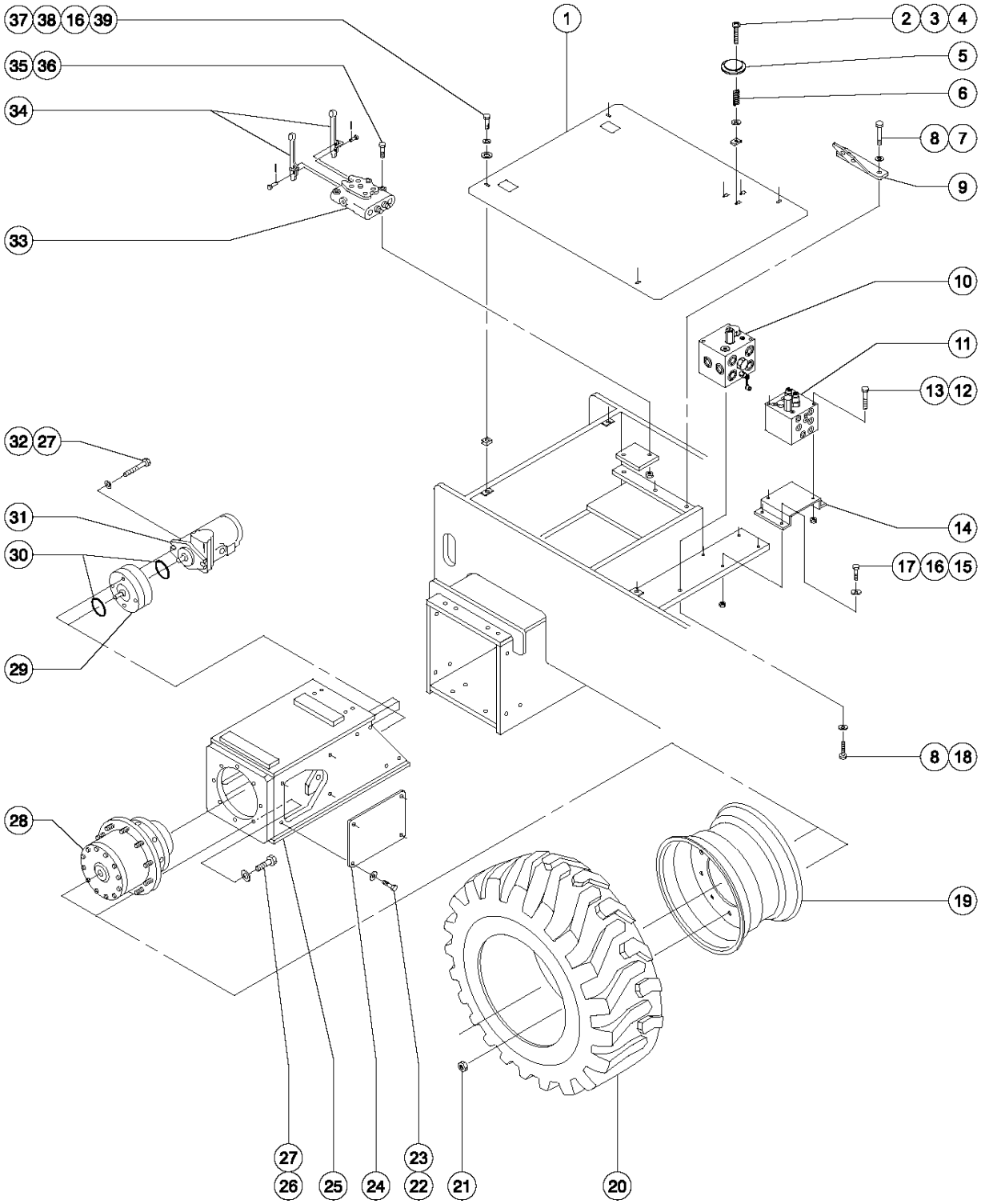
Item	Part No.	Description	Qty.
23	33436GT	TORQUE HUB,4:1 (30989) to SN 2642	2
23-	33443GT	SEAL KIT,TORQUE HUB (30989) to SN 2642	2
24	33437GT	O-RING,TORQUE HUB (30989) to SN 2642	2
25A	33435GT	TORQUE HUB,26:1 (30989)*** to SN 2642	2
25A-	T110729GT	SEAL KIT,TORQUE HUB,26:1(30989	2
25A-	33441GT	STUD,WHEEL,3/4-16, (34115)	2
25B	53483GT	WHEEL DRIVE,HW3 87:1*** from SN 2643; limited inventory, component no longer available	2
25B-	147558GT	KIT,BEARING,TAPERED,OUTER*** (for 53483)	
25B-	147559GT	KIT,BEARING,TAPERED,INNER*** (for 53483)	
25B-	33440GT	SEAL KIT,TORQUE HUB (34115)***	2
25B-	33441GT	STUD,WHEEL,3/4-16, (34115)	2
26	50576GT	SCREW,SHC,1/2-13 X 3.00 to SN 2642	8
27A	73899GT	BRAKE, WHEEL, 1600 INLB includes 2 each of index number 28. (Previous brake part 41916 is no longer available, Replaced by part 73899)	2
27-	77240GT	SEAL KIT, AUSCO BRAKE*** (for 73899)	
27-	77239GT	LINING KIT,AUSCO BRAKE*** (for 73899)	
27A-	65608GT	BEARING KIT, AUSCO*** (for 73899)	
27B-	41921GT	SEAL KIT,BRAKE,MICO for MICO brake part 41916	2
27B-	41920GT	LINING KIT,MICO BRAKE (41916) for MICO brake part 41916	2
27B-	41922GT	BEARING KIT,BRAKE,MICO for MICO brake part 41916	2
28	22811GT	O-RING,MOTOR TO BRAKE*** measures approx 4" x 0.10"	4
29	24668GT	DRIVE MOTOR REAR,2WD/7 DEGREE* includes 1 each index number 28	2
29-	33444GT	SEAL KIT,DRIVE MOTOR,(24668)	2
30	7261GT	SCREW,HHC,1/2-13 X 5 BLACK for MICO brake part 41916	4
30-	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC for AUSCO brakes	
31	34134GT	VALVE,MANUAL,3 POS-4 WAY,2SPL*	2
31	33469GT	SEAL KIT,3POS,4WAY VALVE-34134	2
32	34135GT	HANDLE KIT,SPOOL includes mounting fasteners	4
33	6884GT	SCREW,HHC,1/4-20 X 2.5	4

206.1 Non-Steer Axle Wheel Drive (to SN 2732)



Item	*Part No.*	*Description*	*Qty.*
34	6091GT	NUT,NYLOCK,1/4-20	4
35	6090GT	SCREW, HHC, 1/4-20 X .75	4
36	6356GT	WASHER,LOCK,.25	4
37	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

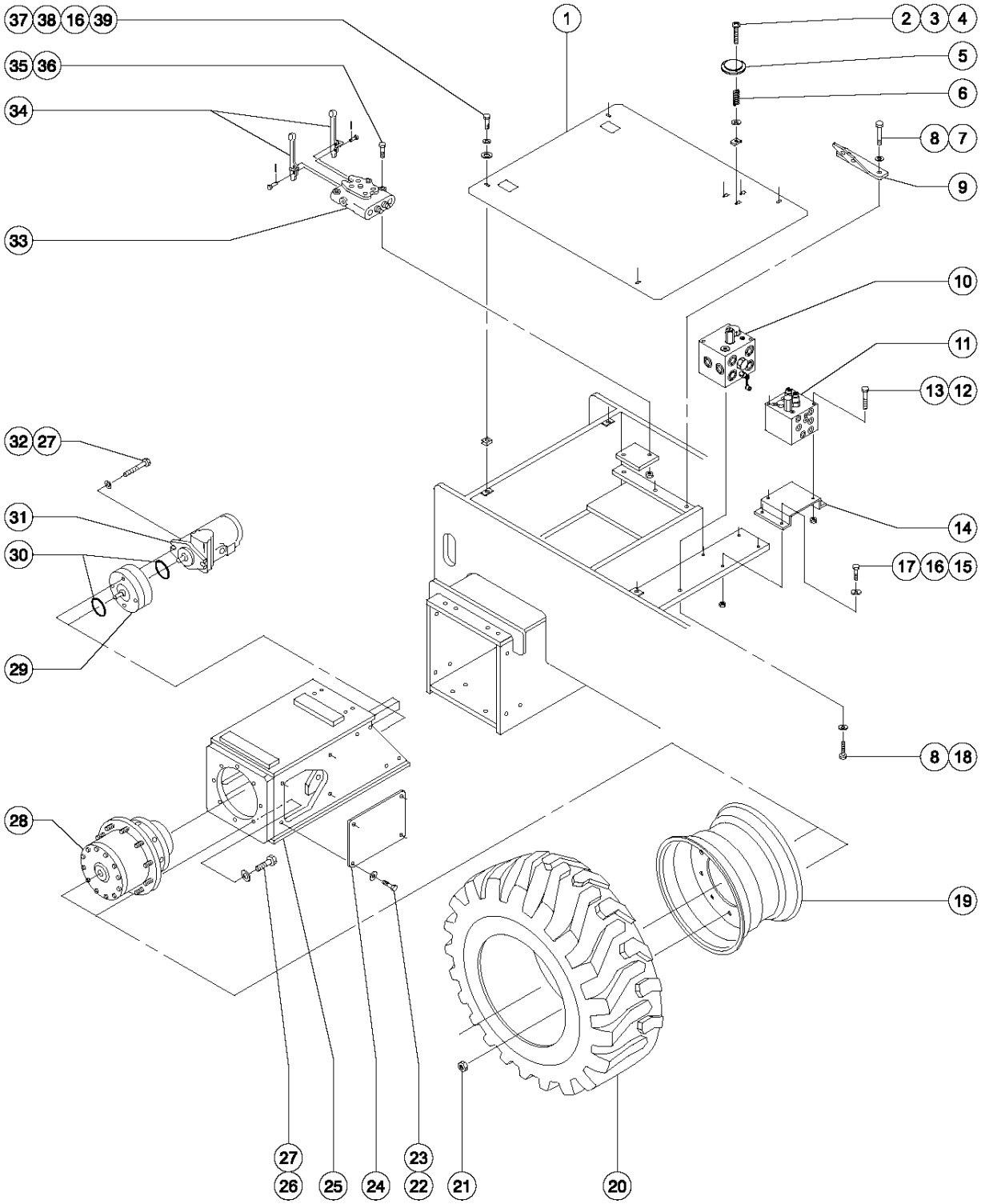
206.2 Non-Steer Axle Wheel Drive (from SN 2733)



206.2 Non-Steer Axle Wheel Drive (from SN 2733)

Item	Part No.	Description	Qty.
1	58020GT	DRIV CHAS COVER ASSY N/S END from SN 1249	
2	73634GT	SCREW,PHIL,PHM,10-24X1.5 ZINC CE models	3
3	6146GT	WASHER,FLAT,MS,#10,Y CE models	3
4	73575GT	SPRING CLIP,10-24,.025-.125X.468,ZAG CE models	3
5	77026GT	LEVEL,BUBBLE,2 DEGREE * CE models	1
6	77027GT	SPRING,1X.31 ODX.040WIRE,SS CE models	1
7	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
8	6033GT	WASHER,LOCK,0.5"	6
9	34719P-SGT	BRACKET,HOSE SUPPORT PAINTED	2
10	34448GT	TRACTION MANIFOLD,2WD***	2
11	48539GT	MANIFOLD,CHASSIS JACK	2
12	49465GT	SCREW,HHC,5/16-18 X 5	2
13	6782GT	NUT, NYLOCK, 5/16-18	2
14	49421P-SGT	MOUNT, CHASSIS JACK MANIFOLD	1
15	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
16	6638GT	WASHER, FLAT, USS, 1/4"Y	8
17	6889GT	NUT,LP NYLOCK,1/4-20	4
18	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	2
19	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
20A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
20A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
20A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
20B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
20B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
21	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
22	8255GT	SCREW,HHC,3/8-16 X .75	8
23	6021GT	WASHER, LOCK, .375	8
24	34219P-SGT	COVER,REAR AXLE PAINTED	2

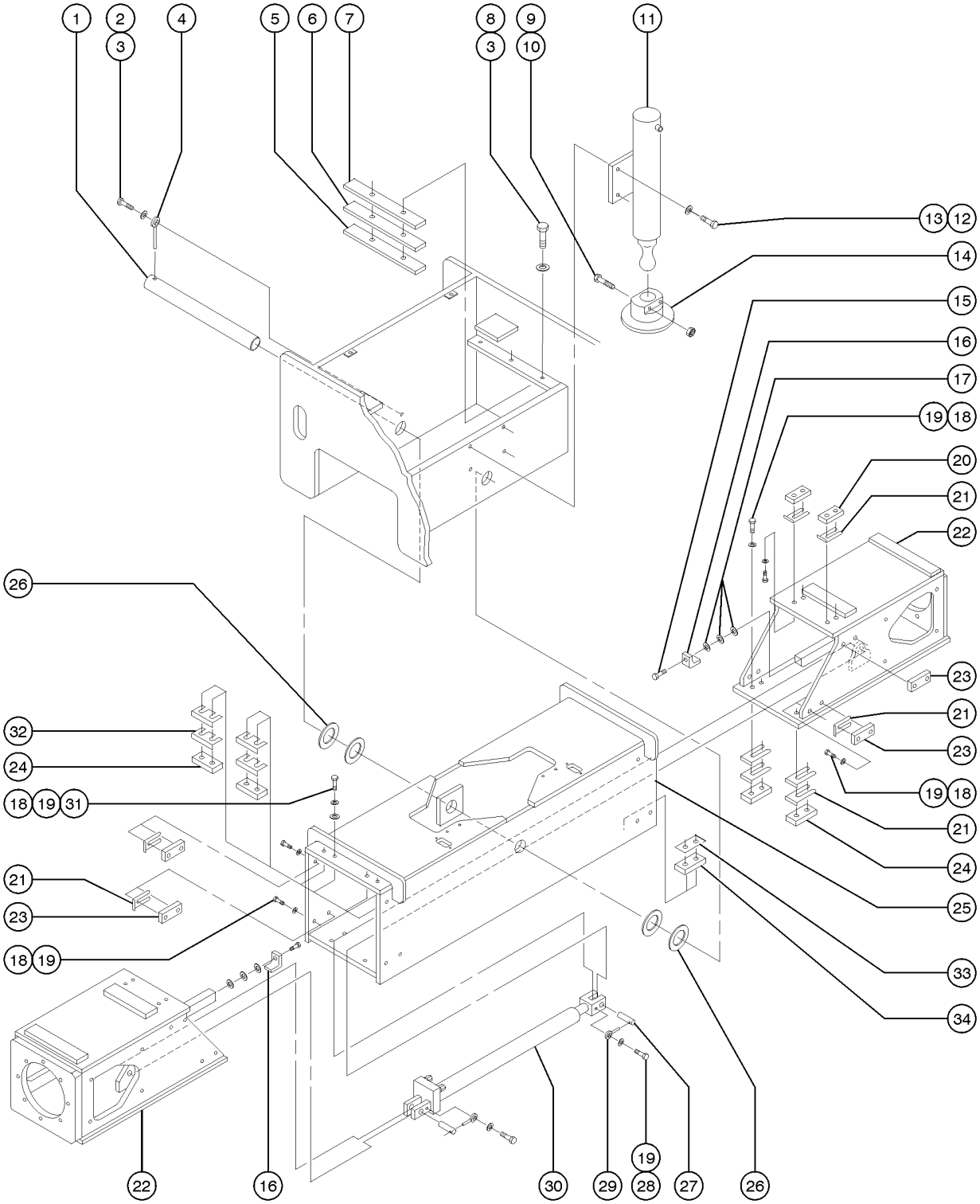
206.2 Non-Steer Axle Wheel Drive (from SN 2733)



206.2 Non-Steer Axle Wheel Drive (from SN 2733)

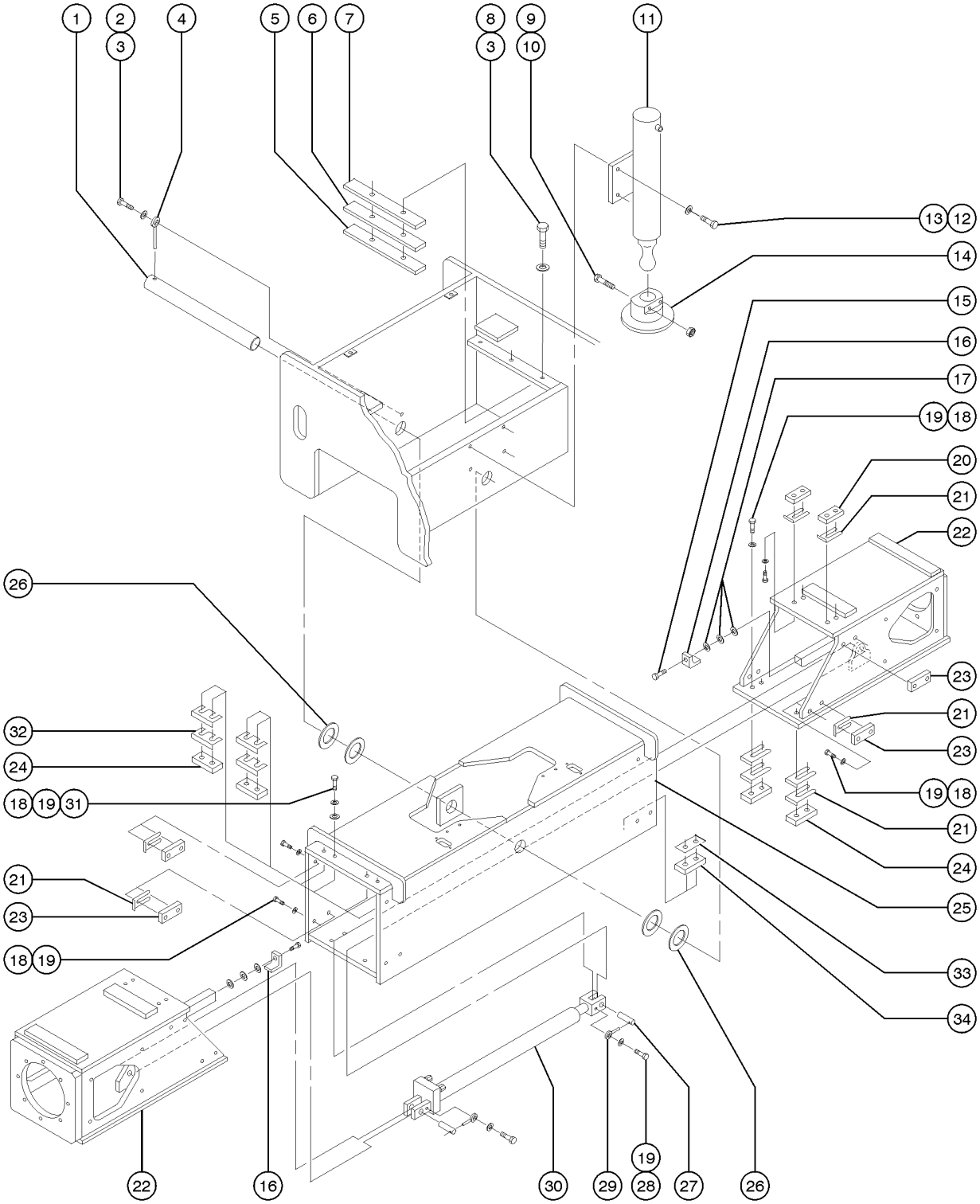
Item	Part No.	Description	Qty.
25	53404GT	INNER REAR AXLE WELDMENT, L.H.	1
25-	53405GT	INNER REAR AXLE WELDMENT, R.H.	1
26	73455GT	SCREW,HHC,5/8-11 X 2.25 GR8	16
27	13064GT	WASHER,FLAT,.625 HARDENED from SN 2643	16
28	53483GT	WHEEL DRIVE,HW3 87:1*** limited inventory, component no longer available	2
28-	33440GT	SEAL KIT,TORQUE HUB (34115)***	2
28-	33441GT	STUD,WHEEL,3/4-16, (34115)	2
28-	147558GT	KIT,BEARING,TAPERED,OUTER*** (for 53483)	
28-	147559GT	KIT,BEARING,TAPERED,INNER*** (for 53483)	
29	73899GT	BRAKE, WHEEL, 1600 INLB includes 2 each of index number 30	2
29-	77240GT	SEAL KIT, AUSCO BRAKE***	2
29-	77239GT	LINING KIT,AUSCO BRAKE***	2
29-	65608GT	BEARING KIT, AUSCO***	2
30	22811GT	O-RING,MOTOR TO BRAKE*** measures approx 4" x 0.10"	4
31	24668GT	DRIVE MOTOR REAR,2WD/7 DEGREE* includes 1 each index number 30	2
31-	33444GT	SEAL KIT,DRIVE MOTOR,(24668)	2
32	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC	4
33	34134GT	VALVE,MANUAL,3 POS-4 WAY,2SPL*	2
33-	33469GT	SEAL KIT,3POS,4WAY VALVE-34134	2
34	34135GT	HANDLE KIT,SPOOL includes mounting fasteners	4
35	6884GT	SCREW,HHC,1/4-20 X 2.5	4
36	6091GT	NUT,NYLOCK,1/4-20	4
37	6090GT	SCREW, HHC, 1/4-20 X .75	4
38	6356GT	WASHER,LOCK,.25	4
39	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

207.1 Extendable Non-Steer Axle Installation



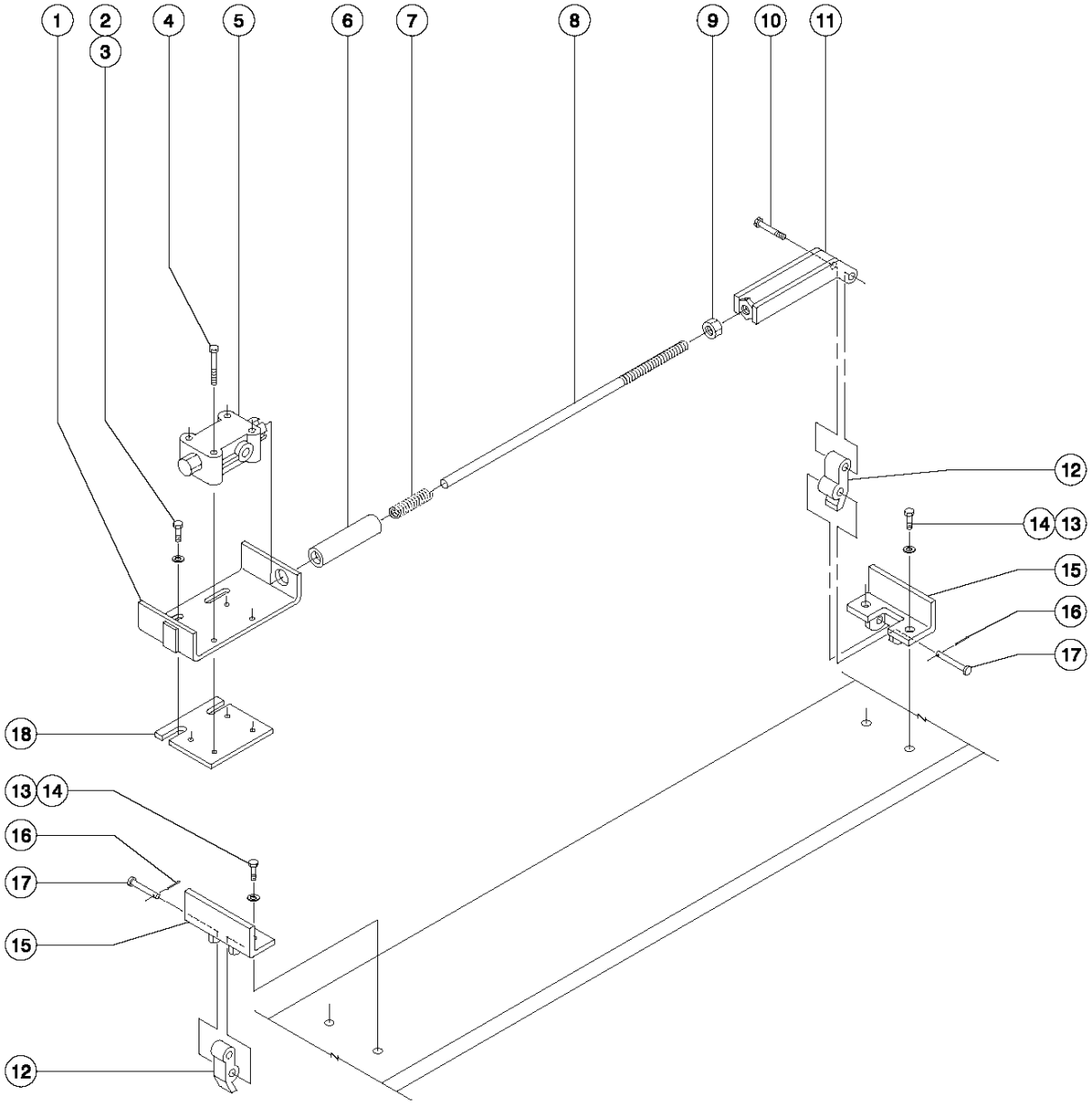
Item	Part No.	Description	Qty.
1	34273GT	PIN,2.50DIAX21.12LG,1HOLE	1
2	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	1
3	6033GT	WASHER,LOCK,0.5"	5
4	1256267GT	ROD END,.5 X 3.75,ZAG	1
5	34218P-SGT	BAR,AXLE ROTATION STOP,OSC.	1
6	34216GT	SHIM,AXLE ROTATION STOP,22GA	2
7	34215GT	SHIM,AXLE ROTATION STOP,12GA	2
8	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
9	12981GT	SCREW,HHC,3/8-16 X 4.5	2
10	4828GT	NUT, NYLOCK, 3/8-16	2
11	63220GT	CYLINDER,JACK***	1
11-	63360GT	SEAL KIT CYL.S80(63220)	1
12	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	4
13	6036GT	WASHER,LOCK,.625 PLTD	4
14	34772GT	CASTING,JACK FT/PAD PAINTED	1
15	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
16	34729P-SGT	BRACKET,ACTUATOR PAINTED	2
17	5397GT	WASHER, FLAT, USS, 5/16-18	6
18	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	56
19	6021GT	WASHER, LOCK, .375	58
20	34668GT	WEAR PAD,W/INSERT	4
21	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	40
22	53404GT	INNER REAR AXLE WELDMENT, L.H.	1
22-	53405GT	INNER REAR AXLE WELDMENT, R.H.	1
23	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	16
24	34206P-SGT	PAD,AXLE COMPRESSION,PAINTED	8
25	34082GT	WELDMENT,OUTER REAR AXLE	1
26	29746GT	WASHER,FLAT,2.5 X 4 X .062	6

207.1 Extendable Non-Steer Axle Installation



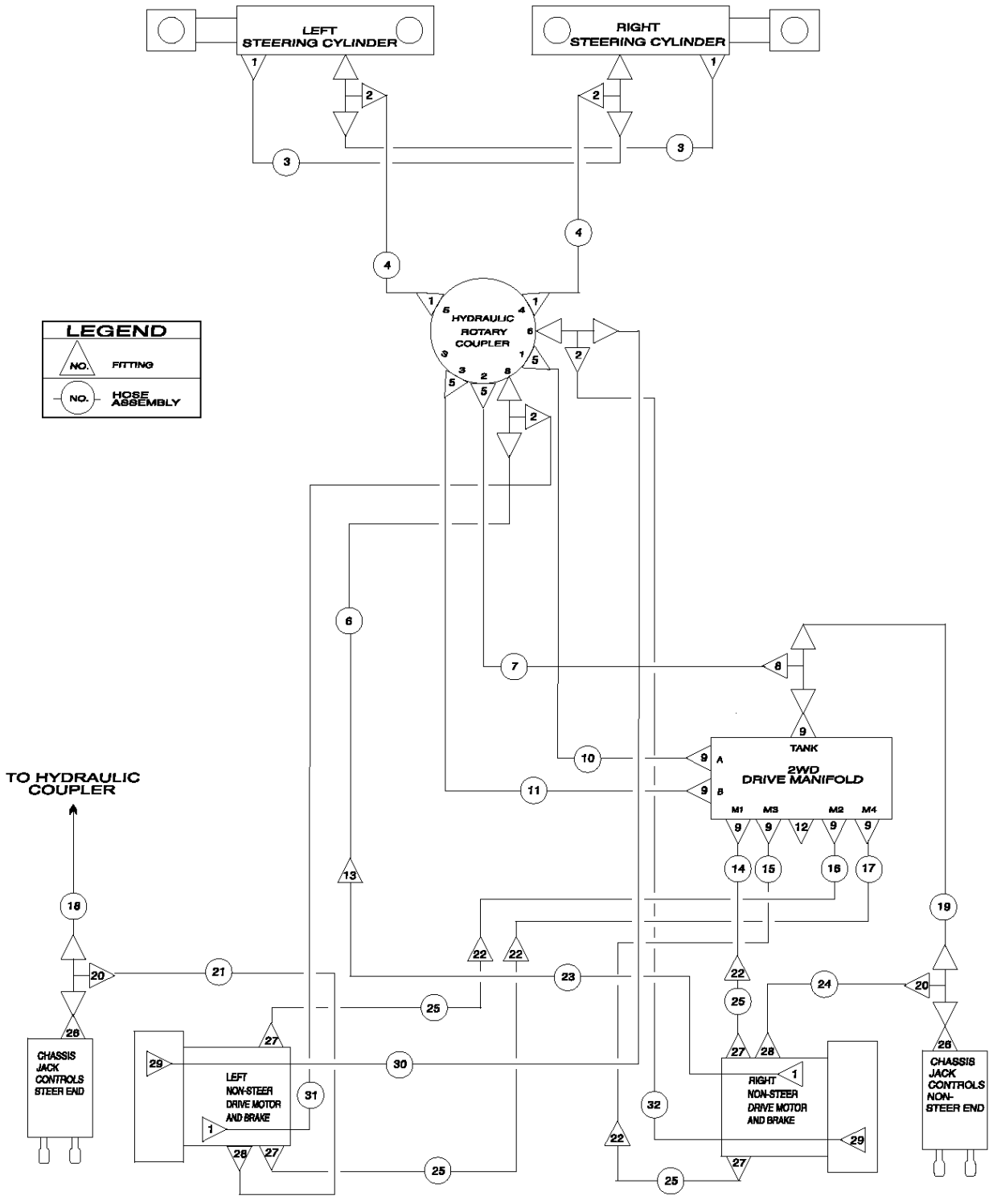
Item	*Part No.*	*Description*	*Qty.*
27	30734GT	PIN,1.00DIAX2.88LG,1HOLE	2
28	6175GT	SCREW,HHC,3/8-16 X 1	2
29	1255452GT	ROD END,.375 X 2.25,ZAG	2
30	63218GT	CYLINDER,AXLE EXT,REAR	1
30-	63358GT	SEAL KIT CYL.S80(63218)	1
30-	33428GT	VALVE,COUNTERBALANCE	1
31	6097GT	WASHER, FLAT, USS, 3/8", Y	4
32	34343GT	SHIM,SIDE PAD 16GA,.44 SLOT	4
33	38621GT	SHIM, PAD, 5 x 3	2
34	34126GT	WEAR PAD,5 X 3 X .75 W/INSERT	2

208.1 Extendable Axle Hydraulic Limit Switch Installation



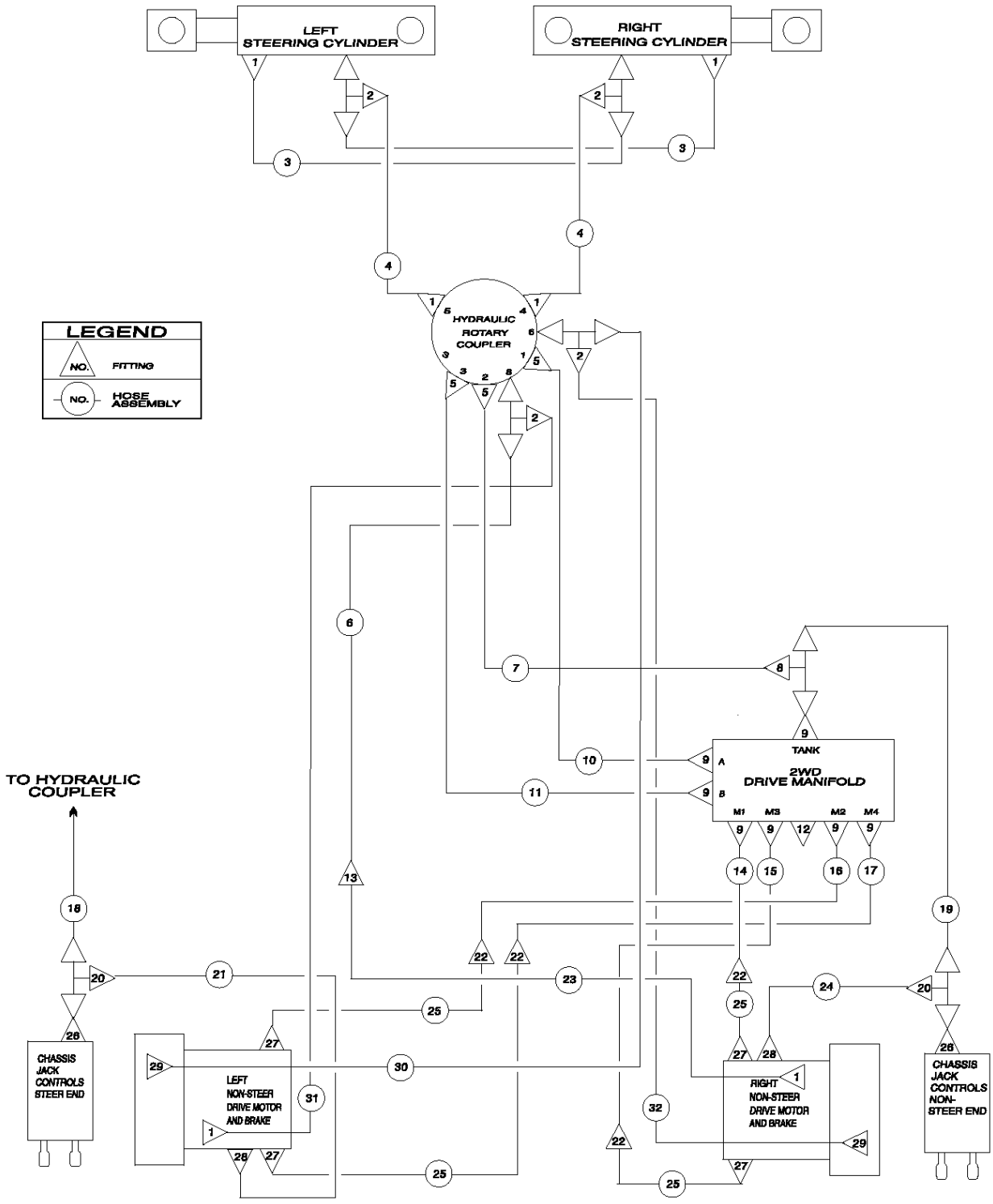
Item	*Part No.*	*Description*	*Qty.*
1	34735-SGT	WELDMENT,SWITCH HOLDER	2
2	11335GT	SCREW,SHS,3/8-16 X .5	4
3	8519GT	WASHER,SHIM,.5 X .875 X .033	4
4	4266GT	SCREW,HHC,1/4-20 X 2	8
5	34552GT	VALVE,DIRECTIONAL,2POS.2WAY 90	2
5-	34552GT	VALVE,DIRECTIONAL,2POS.2WAY 90	2
6	34747GT	PLUNGER,CONNECTING ROD	2
7	34748GT	SPRING,AXLE CONNECTING ROD	2
8	34647GT	ROD,AXLE SWITCH CONNECT	2
9	45076GT	NUT,HEX,JAM,5/8-11	2
10	34732GT	SCREW,SHS,5/16-18 X 1.25(3/8)	2
11	34646-SGT	CLEVIS,AXLE SWITCH ADJUSTMENT	2
12	34644P-SGT	LINK,AXLE SWITCH PAINTED	4
13	8255GT	SCREW,HHC,3/8-16 X .75	8
14	6021GT	WASHER, LOCK, .375	8
15	34645-SGT	WELDMENT,PIVOT BRACKET	4
16	12016GT	PIN, COTTER, .125 X .75	4
17	34742GT	PIN,CLEVIS,.375 X 1.75 LG.	4
18	34652GT	SLIDE PAD,AXLE SWITCH	2

209.1 Hydraulic Hoses and Fittings - Drive and Steer System



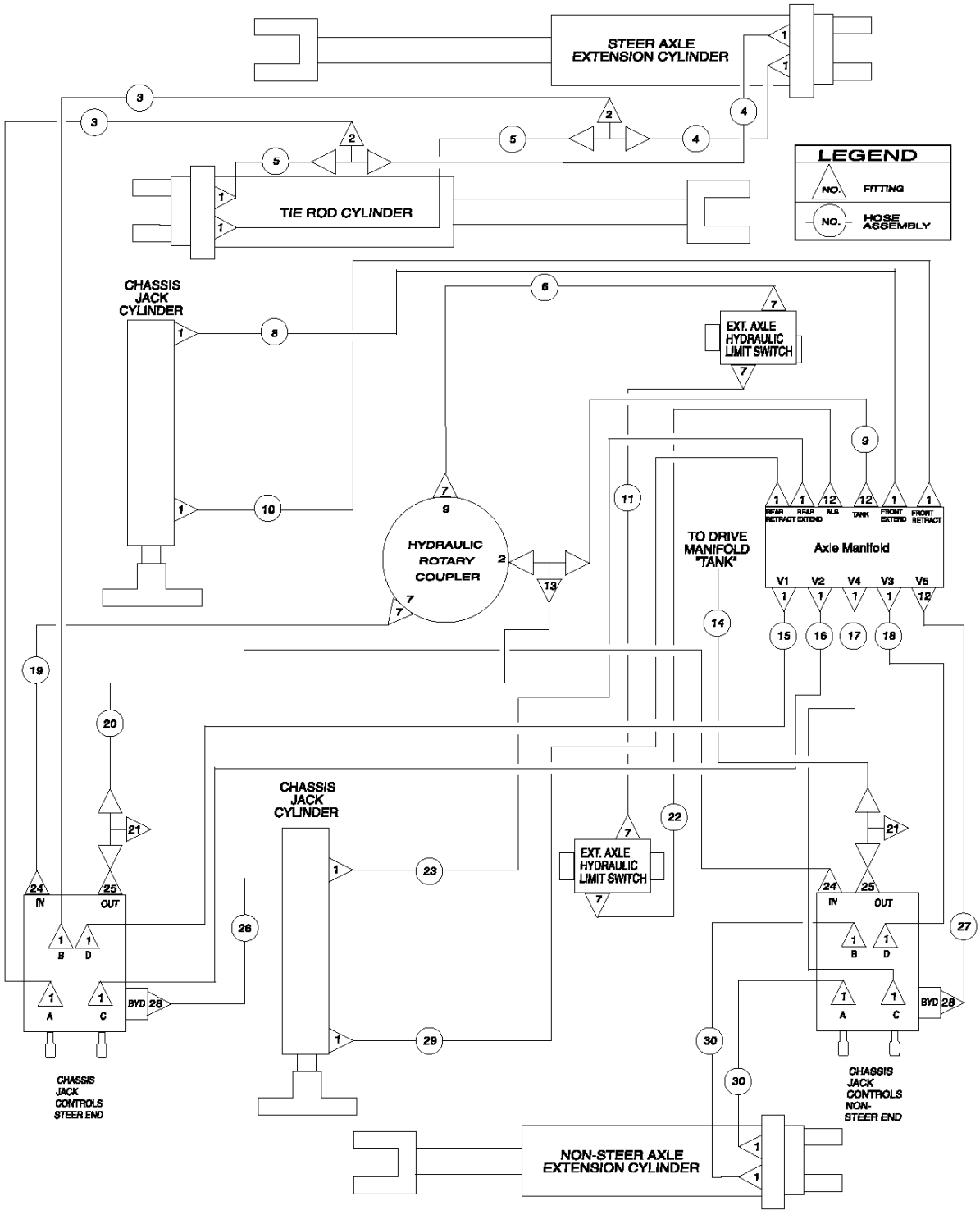
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48915GT	ELBOW,90D,520220-6	6
2	48918GT	TEE,RUN,520428-6	4
3	49104-9334GT	HOSE ASSEMBLY,3/8"	2
4	49105-6482GT	HOSE ASSEMBLY,3/8"	2
5	48963GT	FITTING,ELBOW,45D,520320-12***	3
6	49128-5234GT	HOSE ASSEMBLY,3/8"	1
7	49151-2473GT	HOSE ASSY,3/4,STR FEM,STR FEM	1
8	48964GT	TEE,RUN,SWIVEL,520432-12	1
9	48960GT	FITTING,CONN,520120-12***	7
10	49154-3270GT	HOSE ASSEMBLY,3/4"	1
11	49156-3156GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
12	48997GT	NIPPLE,DIAGNOSTIC,#4	1
12-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
13	48881GT	UNION,520101-6,ORFS includes locknut	1
14	49156-2631GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
15	49156-1956GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
15-	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	1
15-	49612GT	O-RING KIT (ORFS FITTINGS)	1
16	49156-3506GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
17	49156-4206GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
18	49143-7429GT	ASSY, HOSE, HYD, -8, 3000, STR, 90	1
19	49142-3187GT	HOSE ASSEMBLY,1/2"	1
20	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	2
21	49141-4013GT	HOSE ASSY,1/2,45 FEM,STR FEM	1
22	48968GT	CONN,BULKHEAD,520601-12	4
23	49130-3907GT	HOSE ASSEMBLY,3/8"	1

209.1 Hydraulic Hoses and Fittings - Drive and Steer System



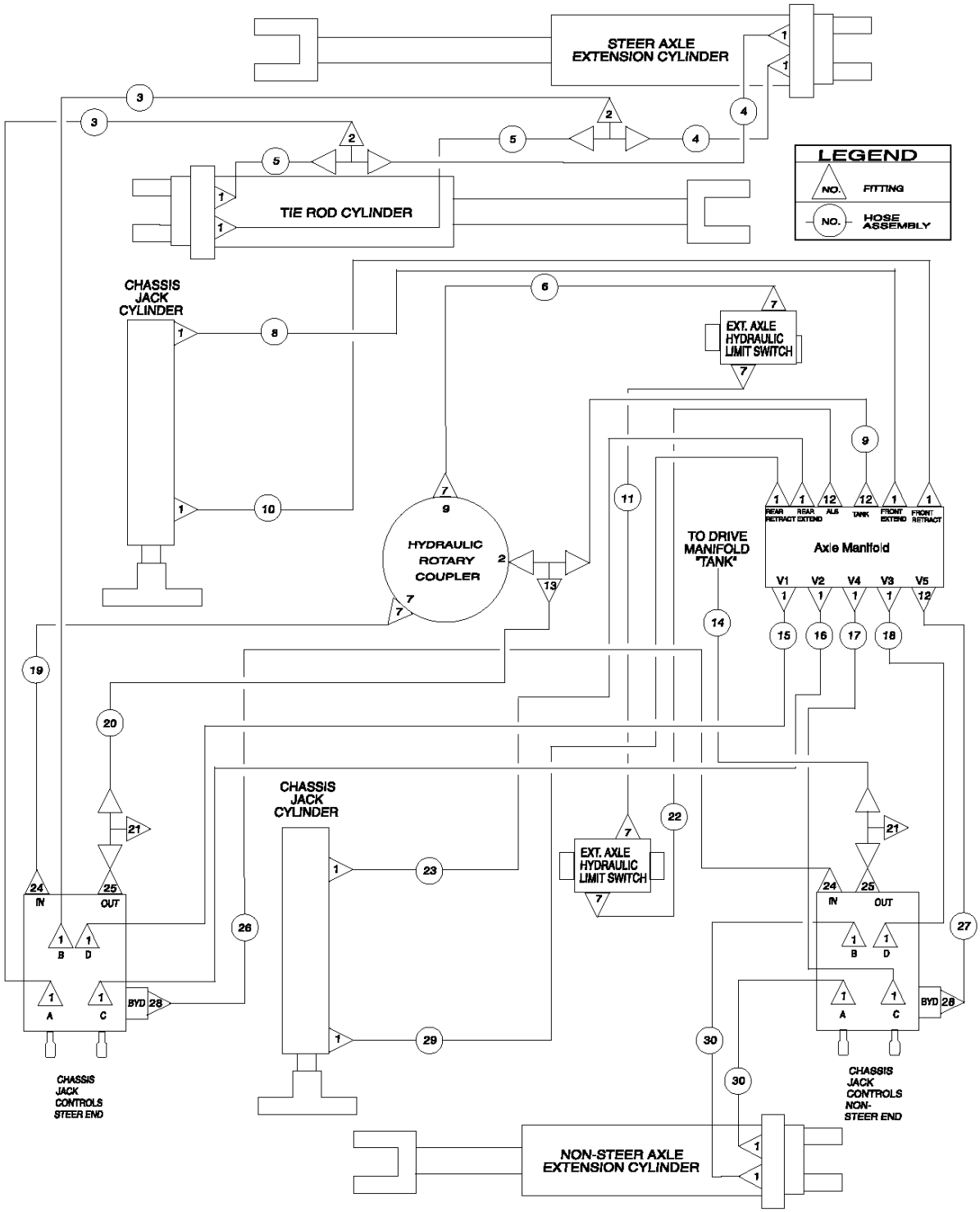
Item	*Part No.*	*Description*	*Qty.*
24	49183-4242GT	HOSE ASSY,1/2,STR FEM,STR FEM	1
25	49157-3660GT	HOSE ASSEMBLY,3/4"	4
26	48933GT	CONN,520120-8***	2
27	48976GT	ELBOW,90D,520220-12-16	4
28	48947GT	ELBOW,90D,520220-8-12	2
29	48904GT	ELBOW, 90D, 520220-4	2
30	49120-10856GT	HOSE ASSEMBLY,1/4"	1
31	49130-9757GT	HOSE ASSEMBLY,3/8"	1
32	49118-11533GT	HOSE ASSEMBLY,1/4"	1

210.1 Hydraulic Hoses and Fittings - Extendable Axle System



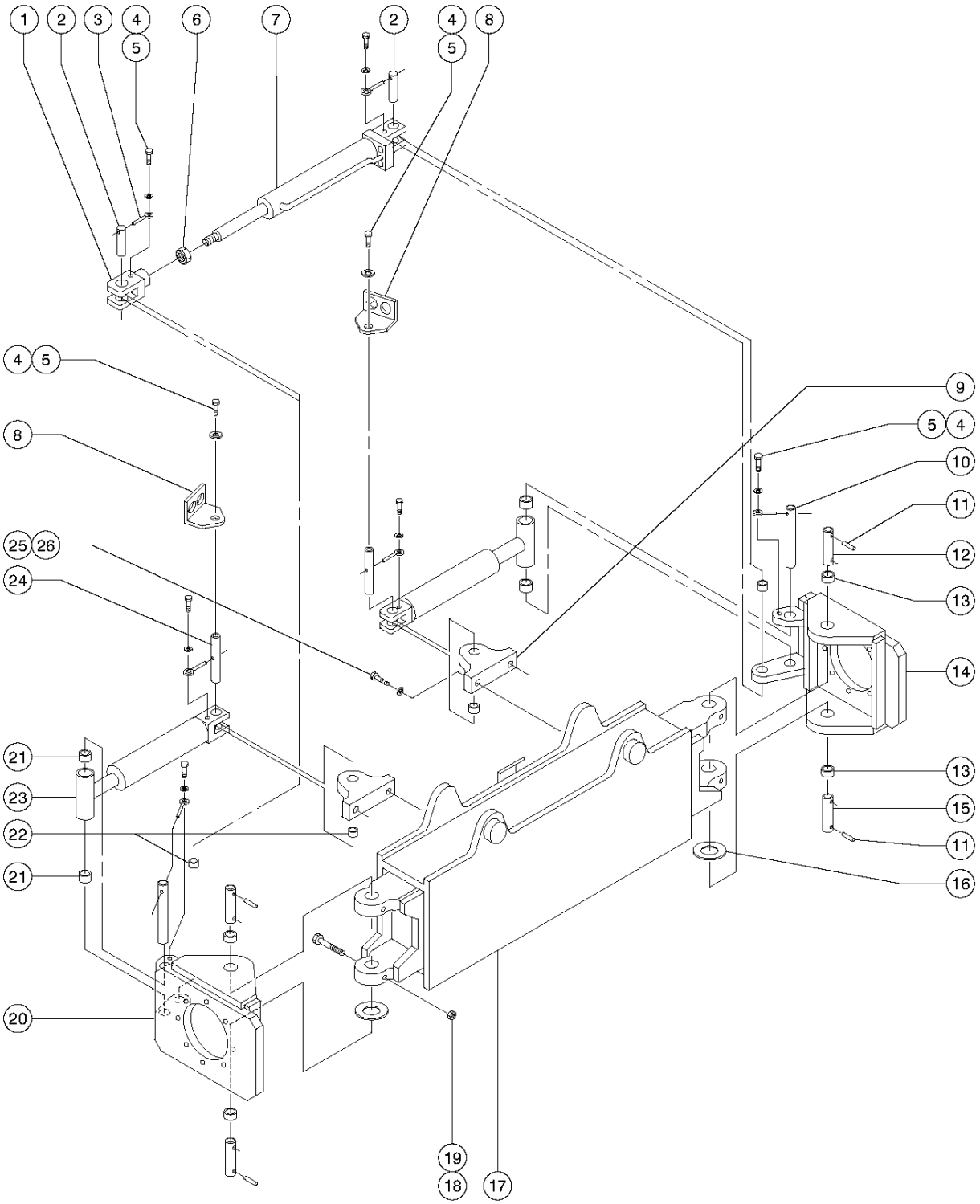
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48912GT	CONN,520120-4-6***	26
2	48909GT	TEE,BULKHEAD,RUN,520958-4	2
3	49117-11741GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
4	49119-3428GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
5	49119-5353GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
6	49119-7353GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
7	48911GT	ELBOW,90D,520220-4-6***	5
8	49119-7103GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
9	49135-4714GT	HOSE ASSEMBLY,3/8"	1
10	49119-7603GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
11	49119-14203GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
12	48916GT	CONN, 520120-6	3
13	48935GT	TEE,RUN, 520428-8	1
14	49142-3187GT	HOSE ASSEMBLY,1/2"	1
15	49117-2291GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
15-	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	1
15-	49612GT	O-RING KIT (ORFS FITTINGS)	1
16	49117-2591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
17	49117-4016GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
18	49117-3916GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
19	49119-6403GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
20	49143-7429GT	ASSY, HOSE, HYD, -8, 3000, STR, 90	1
21	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	2
22	49118-3858GT	HOSE ASSEMBLY,1/4"	1
23	49117-1941GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
24	48914GT	CONN,520120-4-8	2

210.1 Hydraulic Hoses and Fittings - Extendable Axle System



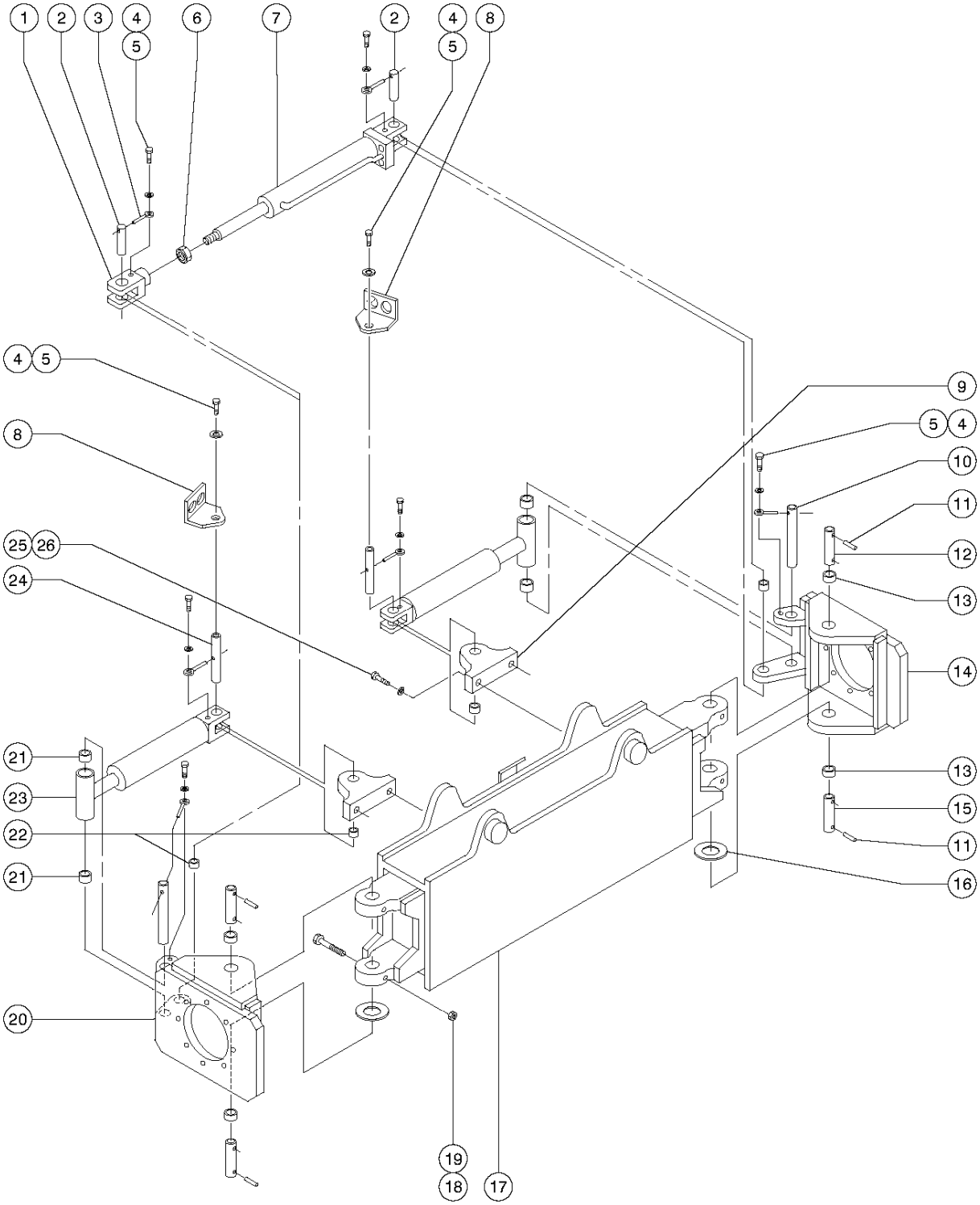
Item	*Part No.*	*Description*	*Qty.*
25	48933GT	CONN,520120-8***	2
26	49117-2441GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
27	49130-3907GT	HOSE ASSEMBLY,3/8"	1
28	48915GT	ELBOW,90D,520220-6	2
29	49117-2316GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
30	49117-4491GT	HOSE ASSY,1/4,90 FEM,STR FEM	2

301.1 Steer Axle Linkage



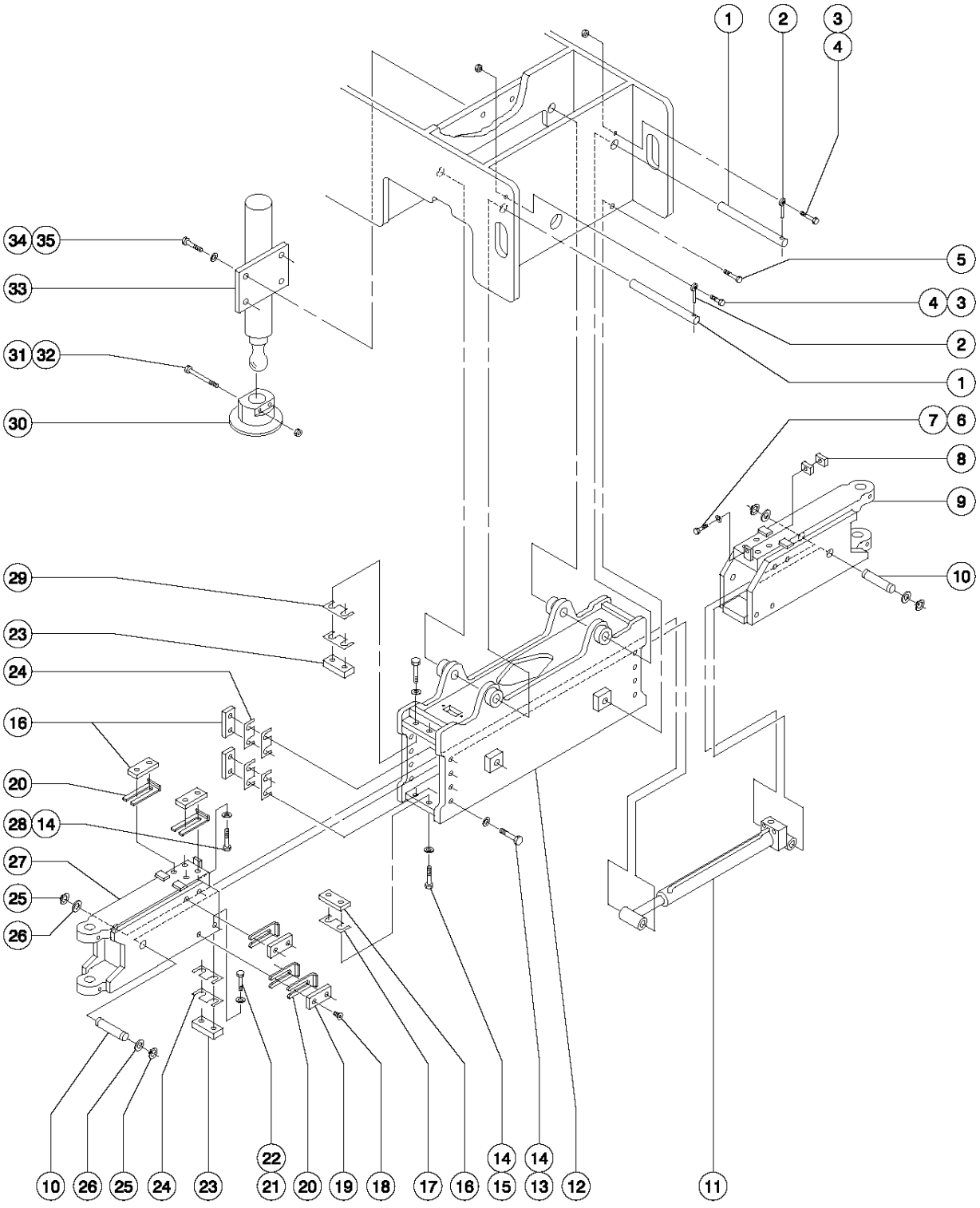
Item	Part No.	Description	Qty.
1	34290P-SGT	ADJUSTMENT LUG,1.25-7 PAINTED	1
2	34276GT	PIN,1.25DIAX3.37LG,1HOLE	2
3	1255452GT	ROD END,.375 X 2.25,ZAG	6
4	6175GT	SCREW,HHC,3/8-16 X 1	8
5	6021GT	WASHER, LOCK, .375	8
6	27953GT	NUT,HEX,JAM,1.25-7	1
7	81993GT	CYLINDER,TIE ROD, S80/S85	1
7-	63359GT	SEAL KIT CYL.S80(63219)	1
7-	33428GT	VALVE,COUNTERBALANCE	1
8	49424PGT	MOUNT, BULKHEAD FITTING	2
9	36892P-SGT	LUG,FRONT AXLE STEERING,PAINT	2
10	34275GT	PIN,1.25DIAX10.18LG,1HOLE	2
11	14815GT	PIN,ROLL,SST,.25 X 2.25	2
12	34274GT	PIN,KING,TOP,5.88 X 1.5 INCHES	2
13	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	4
14	53411-SGT	4WD STEER YOKE WELD L.H.,MACH. includes 2 each of index number 13 and one each of index number 22	1
15	30736GT	PIN,1.50 DIA X 4.76 LG.GES1360	2
16	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
17		WELDMENT,OUTER FRONT AXLE (no longer available)	1
18	6198GT	NUT, NYLOCK, 1/2-13	2
19	12461GT	SCREW,HHC,1/2-13 X 5,GRD.8	2
20	53409-SGT	4WD STEER YOKE WELD. R.H.,MACH includes 2 each of index number 13 and one each of index number 22	1
21	25683GT	BEARING,POLYGON,20DU12 (for 34128 cylinder)	4
21	59266GT	BEARING, POLYGON P2055 (59105) (for 59101 and 88348 cylinders)	
22	34245GT	BEARING,1.25IDX1.50X1.25L	4
23	88348GT	CYLINDER,STEER S80/85 includes 2 each of index number 21	2
23-	88349GT	SEAL KIT,STEER CYL*** (use with cylinder 88348)	2
23-	59050GT	SEAL KIT,2.5" BORE,1.5" ROD*** (use with cylinder 59101)	

301.1 Steer Axle Linkage



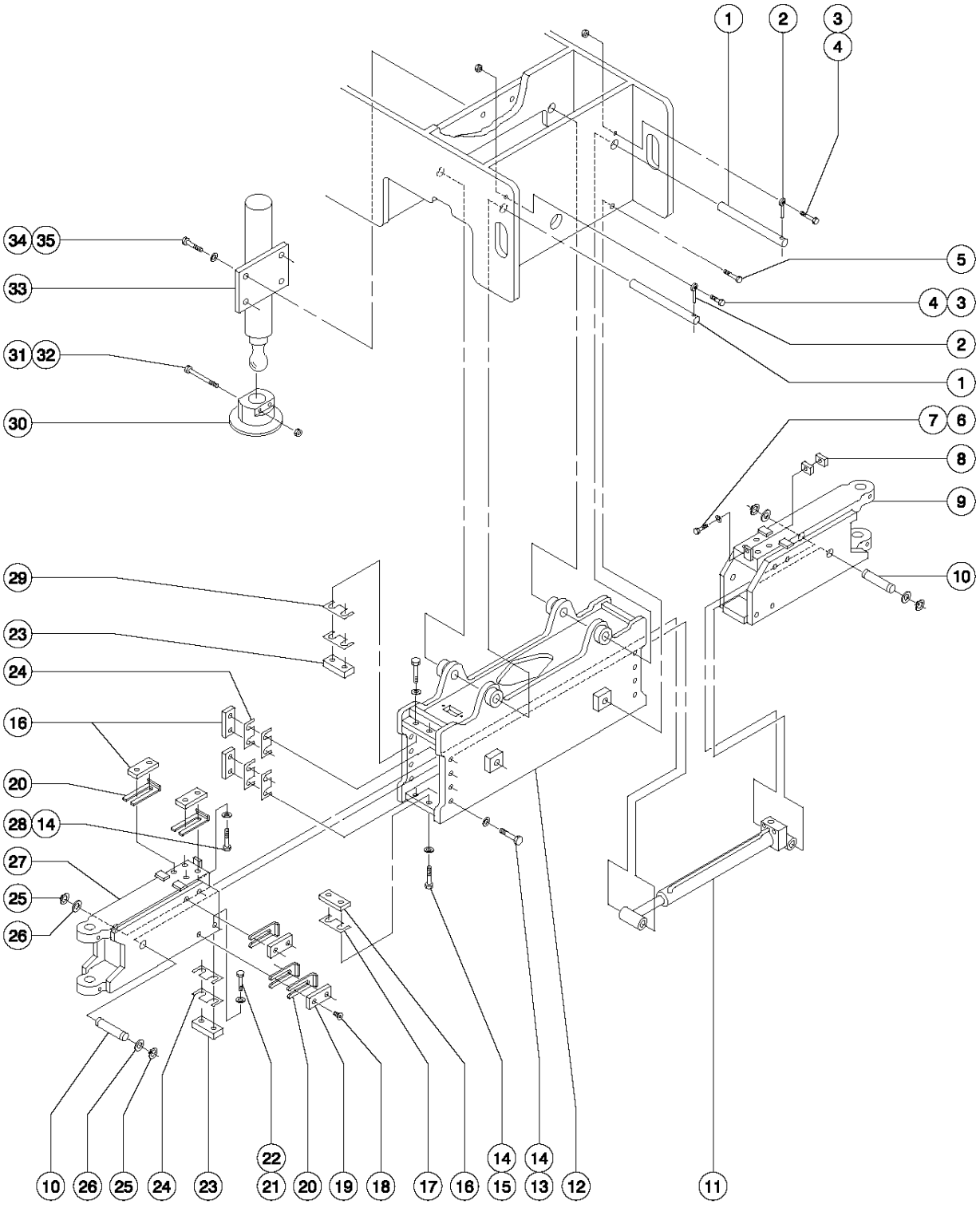
Item	*Part No.*	*Description*	*Qty.*
23-	31078GT	SEAL KIT,HYDRAULIC CYLINDER*** (use with cylinder 34128)	
24	35849GT	PIN,1.25DIAX4.19LG,THREADED	2
25	36897GT	SCREW,SHC,5/8-18 X 2.25	4
26	42191GT	WASHER,FLAT,.640X1.160X.09	4

302.1 Extendable Steer Axle Installation



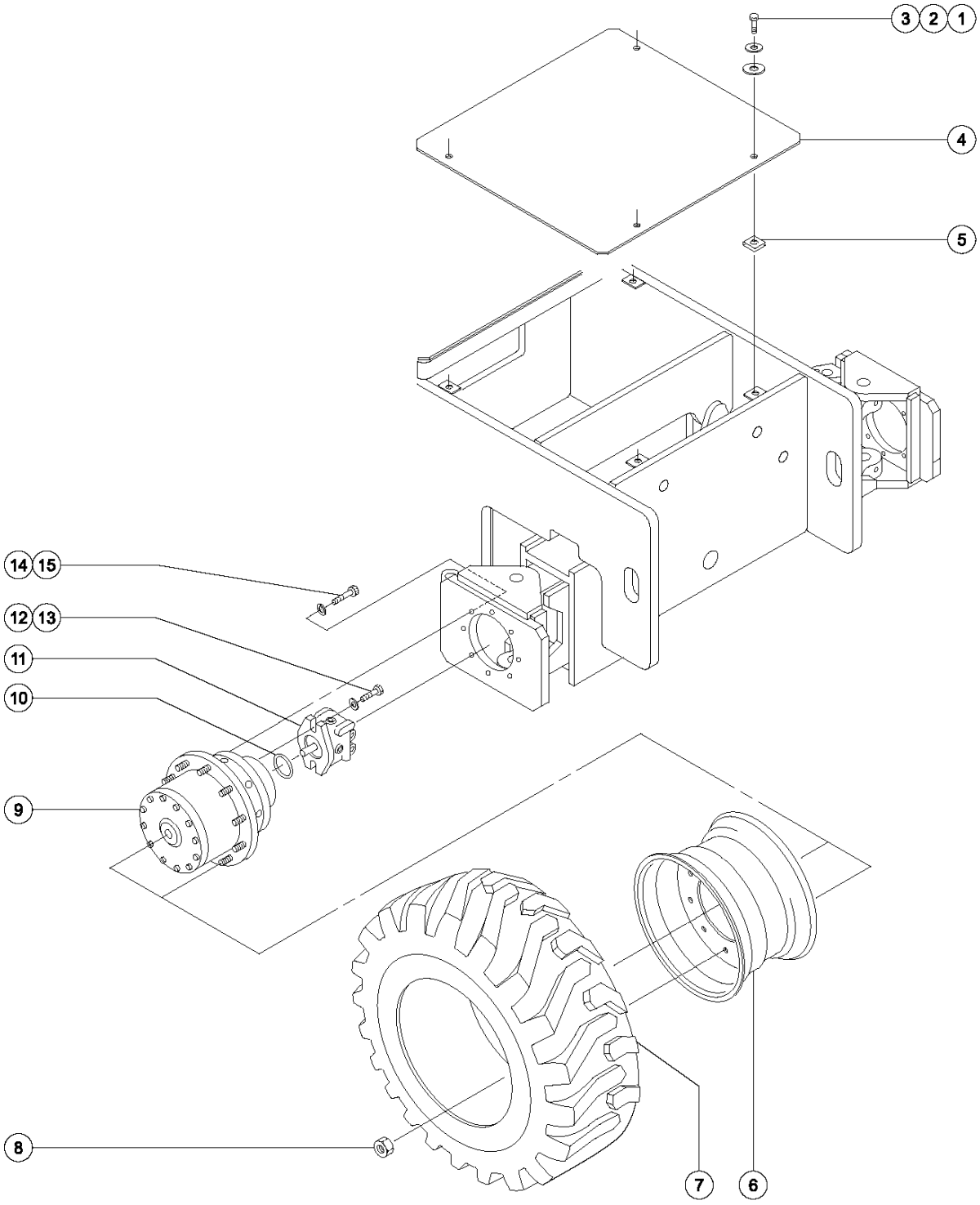
Item	Part No.	Description	Qty.
1	30731GT	PIN,PRIM.BOOM,16.0 X 1.5 INCH	2
2	1256267GT	ROD END,.5 X 3.75,ZAG	2
3	6096GT	SCREW,HHC,1/2-13 X 2 GR5	6
4	6086GT	NUT,LP NYLOCK,1/2-13	2
5	19418GT	SCREW,SHC,5/8-11 X 1.75	2
6	6888GT	SCREW, HHC, 1/4-20 X 1	2
7	6356GT	WASHER,LOCK,.25	2
8	34723P-SGT	TAP BLOCK,AXLE ADJ.PAINTED	2
9	40669GT	WLDT,INN FR AXLE LH MACHED	1
10	34277GT	PIN,1.00DIAX6.71LG,2RING	2
11	63217GT	CYLINDER,AXLE EXTENSION,FRONT	1
11-	63357GT	SEAL KIT CYL.S80(63217)	1
11-	33428GT	VALVE,COUNTERBALANCE	1
12		WELDMENT,OUTER FRONT AXLE (no longer available)	1
13	8516GT	SCREW, HCC, 3/8-16 X 1.50	16
14	6021GT	WASHER, LOCK, .375	30
15	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
16	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	14
17	34343GT	SHIM,SIDE PAD 16GA,.44 SLOT	16
18	16439GT	SCREW,FHS,3/8-16 X 1	16
19	34207GT	WEAR PAD,5 X 1.5 X .75	8
20	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	16
21	10598GT	SCREW,HHC,1/2-13 X 3	4
22	6033GT	WASHER,LOCK,0.5"	8
23	41547P-SGT	PAD,AXLE COMPRESSION,PAINTED	4
24	41555GT	SHIM,SIDE PAD 16GA,.56 SLOT	22
25	44662GT	SNAP RING,EXTERNAL,1.00 DIA.	4
26	30748GT	WASHER,SHIM,1.01 X 1.63 X.062	4

302.1 Extendable Steer Axle Installation



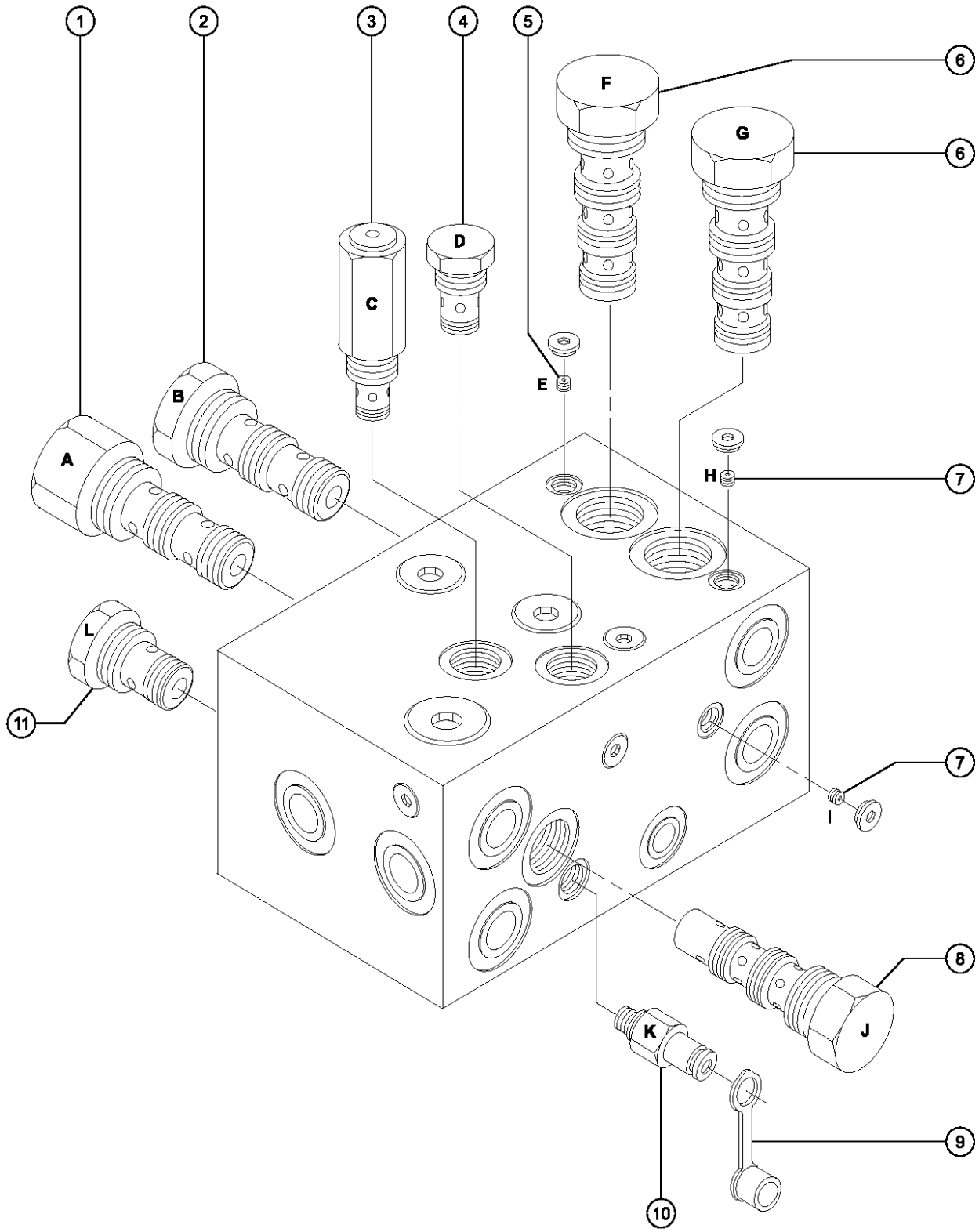
Item	Part No.	Description	Qty.
27	40667GT	WLDT,INN FR AXLE RH MACHINED	1
28	6708GT	SCREW,HHC,3/8-16 X 2.25	8
29	34954GT	SHIM,SIDE PAD 16GA.1.5 X 3.5	4
30	34772GT	CASTING,JACK FT/PAD PAINTED	1
31	12981GT	SCREW,HHC,3/8-16 X 4.5	2
32	4828GT	NUT, NYLOCK, 3/8-16	2
33	63220GT	CYLINDER,JACK***	1
33-	63360GT	SEAL KIT CYL.S80(63220)	1
34	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	4
35	6036GT	WASHER,LOCK,.625 PLTD	4

303.1 Steer Axle Wheel Drive



Item	Part No.	Description	Qty.
1	6090GT	SCREW, HHC, 1/4-20 X .75	4
2	6356GT	WASHER,LOCK,.25	4
3	6638GT	WASHER, FLAT, USS, 1/4"Y	4
4	33448GT	COVER W/DECALS,DR.CHAS.STR.END no longer available	1
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
6	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
7A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
7A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
7A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
7B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
7B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
8	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
9	33434GT	WHEEL DRIVE,W3 73:1***	2
9-	33440GT	SEAL KIT,TORQUE HUB (34115)***	2
9-	58238GT	BEARING KIT,WHEEL DRIVE,S60*** (includes 1 ea of 147558 and 147559)	
9-	147558GT	KIT,BEARING,TAPERED,OUTER***	
9-	147559GT	KIT,BEARING,TAPERED,INNER***	
9-	33441GT	STUD,WHEEL,3/4-16, (34115)	2
9-	58283GT	BOLT,COVER,WHEEL DRIVE,W3***	
10	33433GT	O-RING,MOTOR TORQUE HUB 34115 measures approx 4" x 0.0625"	2
11	139962GT	MOTOR,WHEEL,25CC FIXED***	2
11-	32675GT	SEAL KIT,SUNSTRAND	2
12	8177GT	SCREW,HHC,1/2-13 X 1.5	4
13	13066GT	WASHER,FLAT,.5 HARDENED	4
14	45066GT	SCREW,SHC,5/8-11 X 2.25	16
15	13064GT	WASHER,FLAT,.625 HARDENED	16

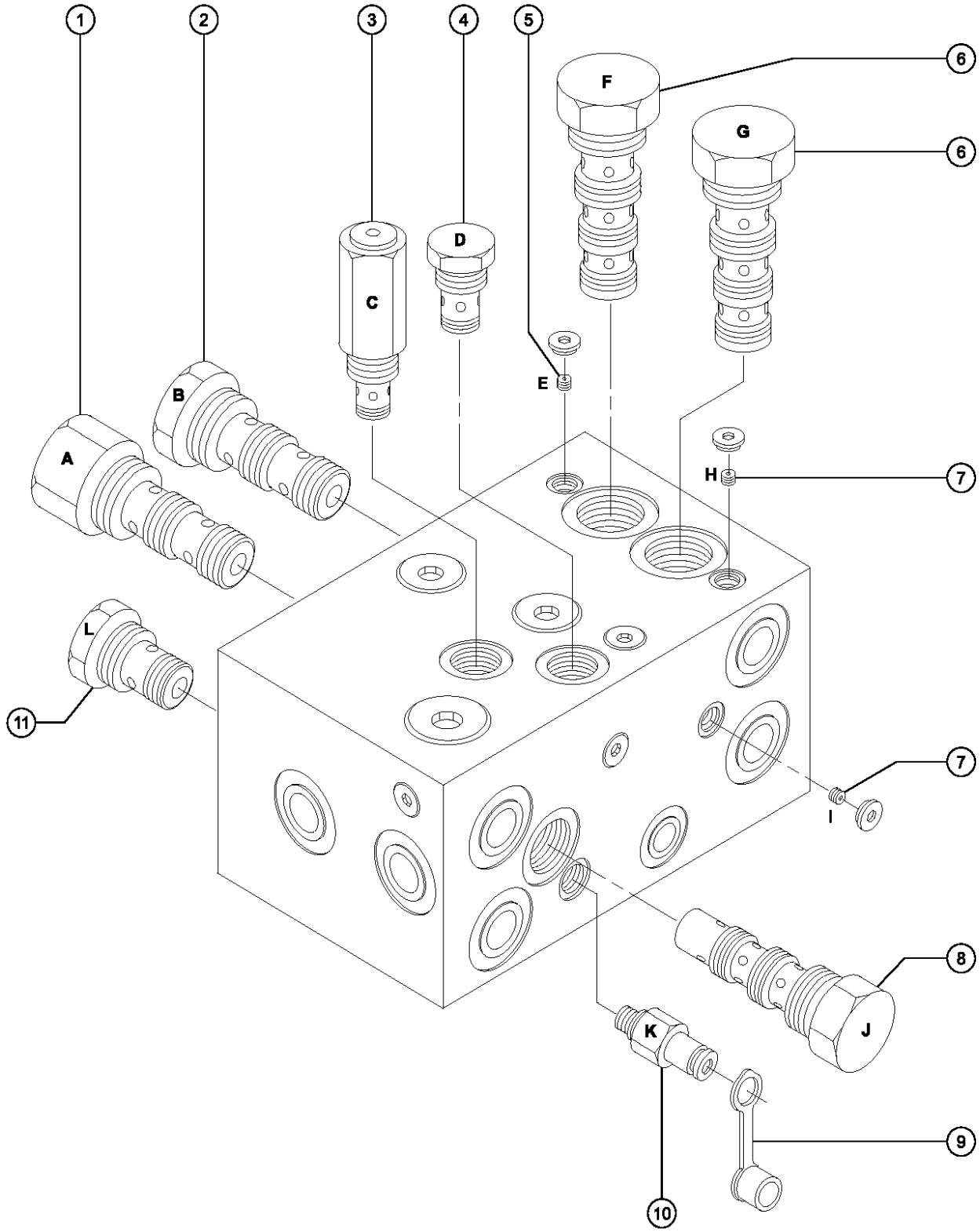
304.1 4WD Drive Manifold (to SN 2648)



304.1 4WD Drive Manifold (to SN 2648)

Item	Part No.	Description	Qty.
	40033GT	MANIFOLD,TRCN W/BYPASS,4WD*** includes index numbers 1 through 8 and 11; Complete	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48658GT	VALVE,DIRECT. CONTROL,4WD S60	1
2	33521GT	VALVE,FLOW DIVIDER/COMBINER	1
3	43597GT	VALVE,RELIEF,210 PSI	1
4	33562GT	VALVE,CHECK,PILOT OPERATED	1
5	29737GT	PLUG,ORIFICE,0.052 INCH	1
6	52726GT	VALVE,FLOW DIVIDER/COMBINER	2
7	33520GT	PLUG,ORIFICE,0.070	2
8	27761GT	VALVE,SHUTTLE	1
9	48880GT	CAP,DIAGNOSTIC NIPPLE	1
10	48997GT	NIPPLE,DIAGNOSTIC,#4	1
10-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
11	23938GT	VALVE,CHECK 45027,20419	1
A		Directional control valve Divider bypass	
B		Flow divider/combiner Drive circuit	
C		Relief valve, 210 psi Charge pressure circuit	
D		Check valve Divider bypass circuit	
E		Orifice plug Steer End drive motor orifice	
F		Flow divider/combiner Steer End wheel drive circuit	
G		Flow divider valve Non - Steer wheel drive circuit	
H		Orifice plug Non - Steer drive motor orifice	
I		Orifice plug Drive circuit	
J		Shuttle valve Hot oil shuttle	
K		Diagnostic nipple Testing	

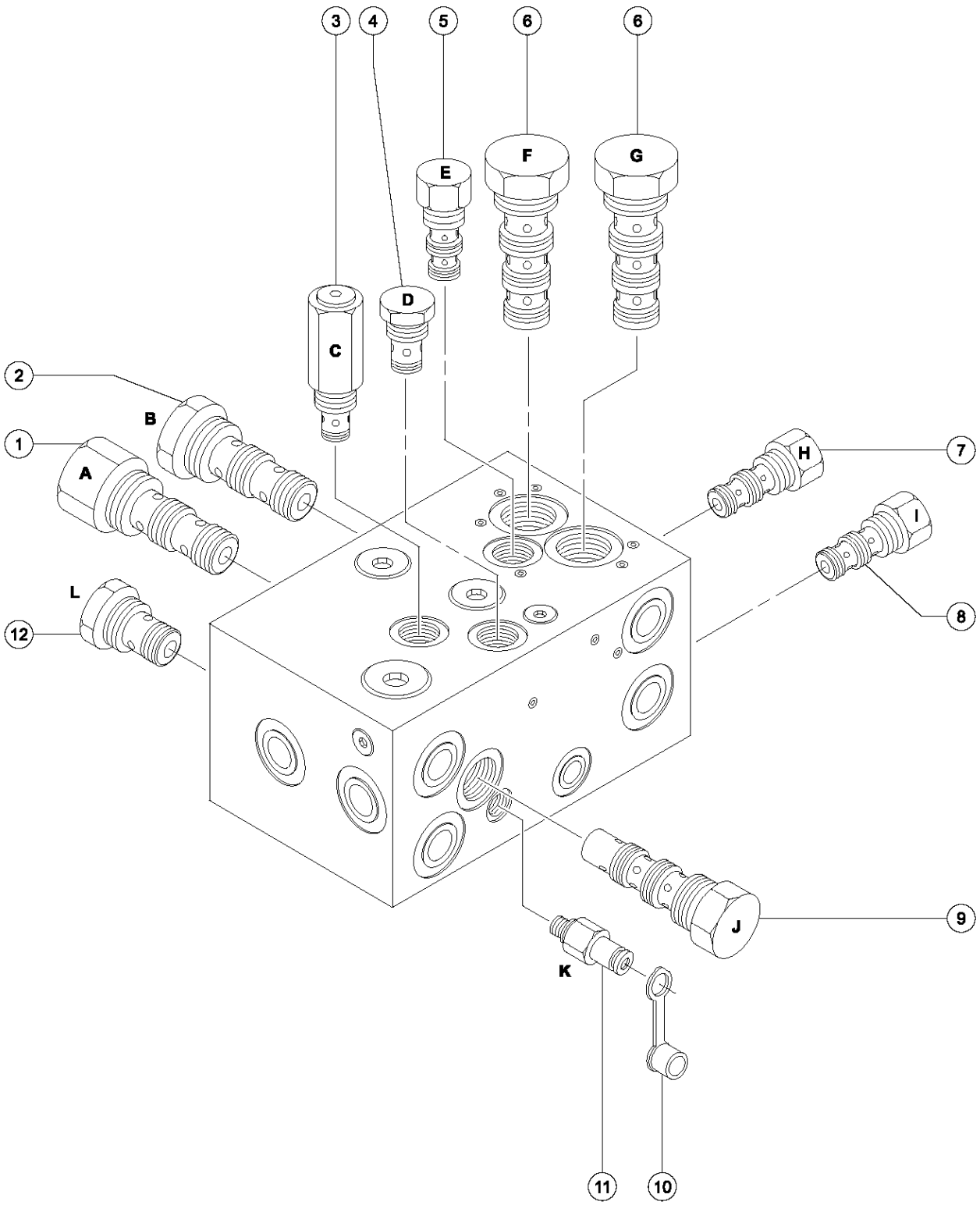
304.1 4WD Drive Manifold (to SN 2648)



304.1 4WD Drive Manifold (to SN 2648)

Item	*Part No.*	*Description*	*Qty.*
L		Check valve Divider bypass circuit	

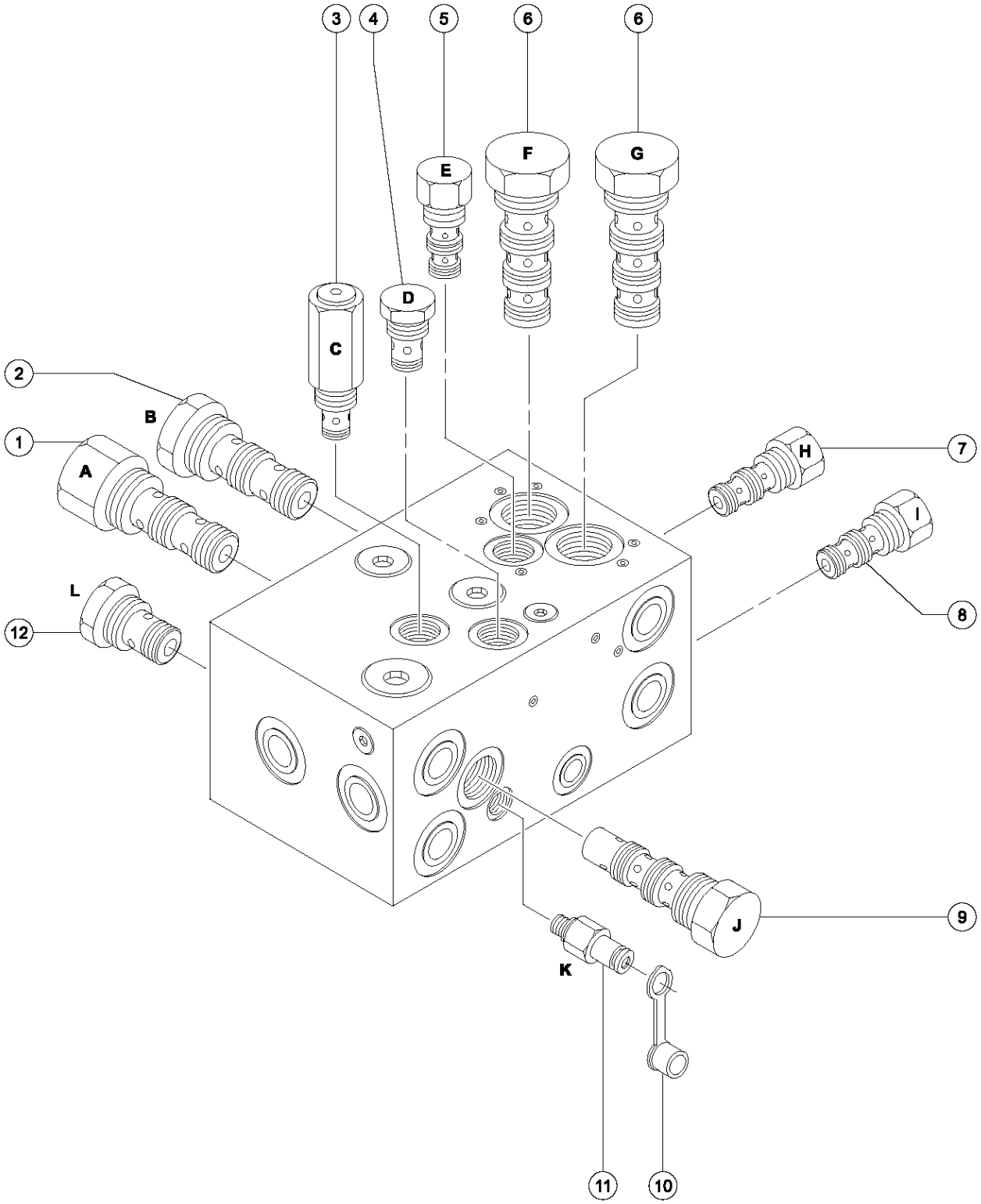
304.2 4WD Drive Manifold (from SN 2649)



304.2 4WD Drive Manifold (from SN 2649)

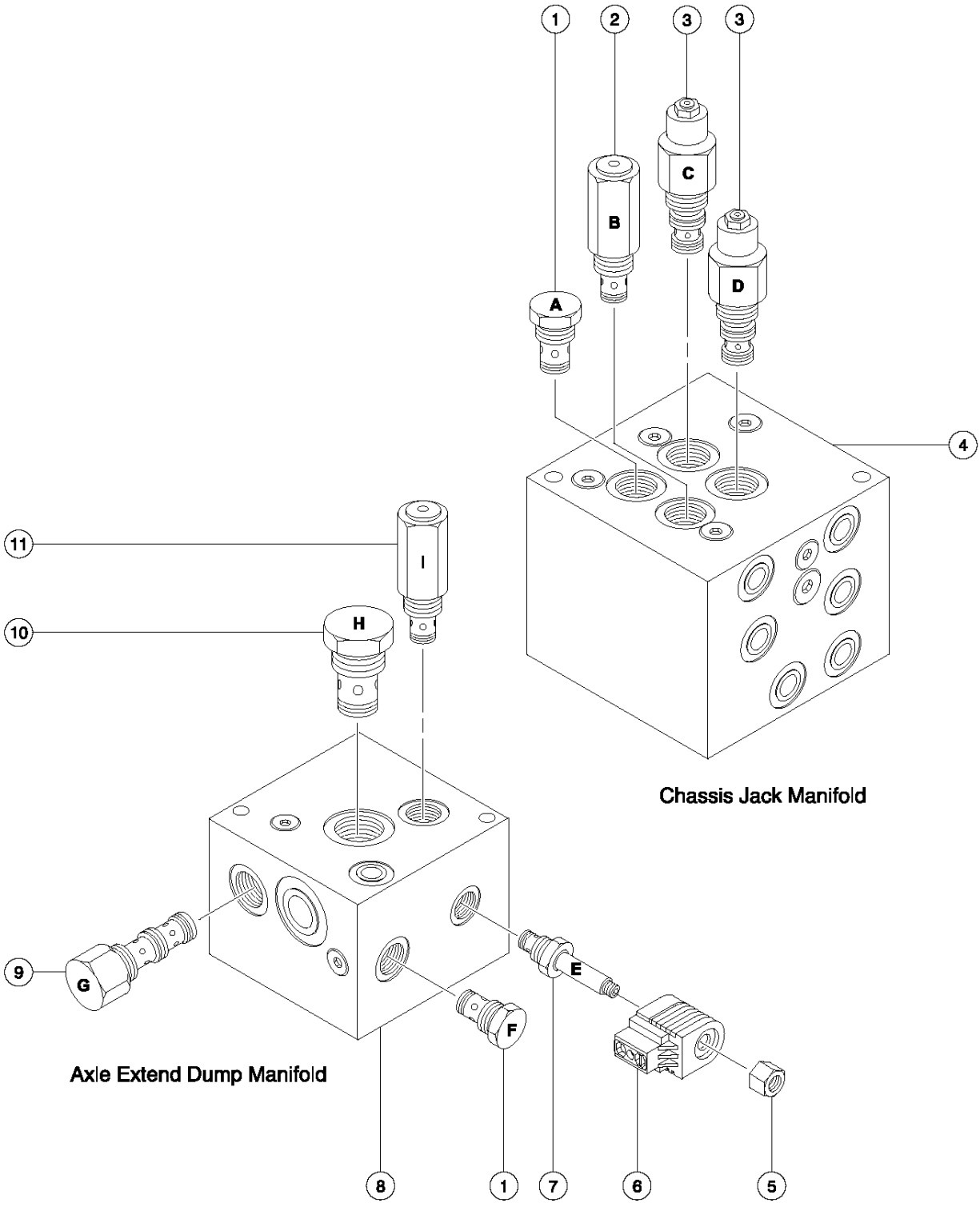
Item	Part No.	Description	Qty.
	73964GT	Drive Manifold, 4WD, includes index numbers 1 through 8 and 11; Complete	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	48658GT	VALVE,DIRECT. CONTROL,4WD S60	1
2	33521GT	VALVE,FLOW DIVIDER/COMBINER	1
3	43597GT	VALVE,RELIEF,210 PSI	1
4	33562GT	VALVE,CHECK,PILOT OPERATED	1
5	73085GT	VALE FLOW CONTROL 3.2 GPM	1
6	52726GT	VALVE,FLOW DIVIDER/COMBINER	2
7	73030GT	VALVE FLOW CONTROL 2.5GPM	1
8	73084GT	VALVE FLOW CONTROL 3.0 GPM	1
9	27761GT	VALVE,SHUTTLE	1
10	48880GT	CAP,DIAGNOSTIC NIPPLE	1
11	48997GT	NIPPLE,DIAGNOSTIC,#4	1
11-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
12	23938GT	VALVE,CHECK 45027,20419	1
A		Directional control valve Divider bypass	
B		Flow divider/combiner Drive circuit	
C		Relief valve, 210 psi Charge pressure circuit	
D		Check valve Divider bypass circuit	
E		Flow Control Steer End drive motor bypass	
F		Flow divider/combiner Steer End wheel drive circuit	
G		Flow divider valve Non-Steer wheel drive circuit	
H		Flow Control Non-Steer drive motor bypass	
I		Flow Control Drive circuit bypass	
J		Shuttle valve Hot oil shuttle	

304.2 4WD Drive Manifold (from SN 2649)



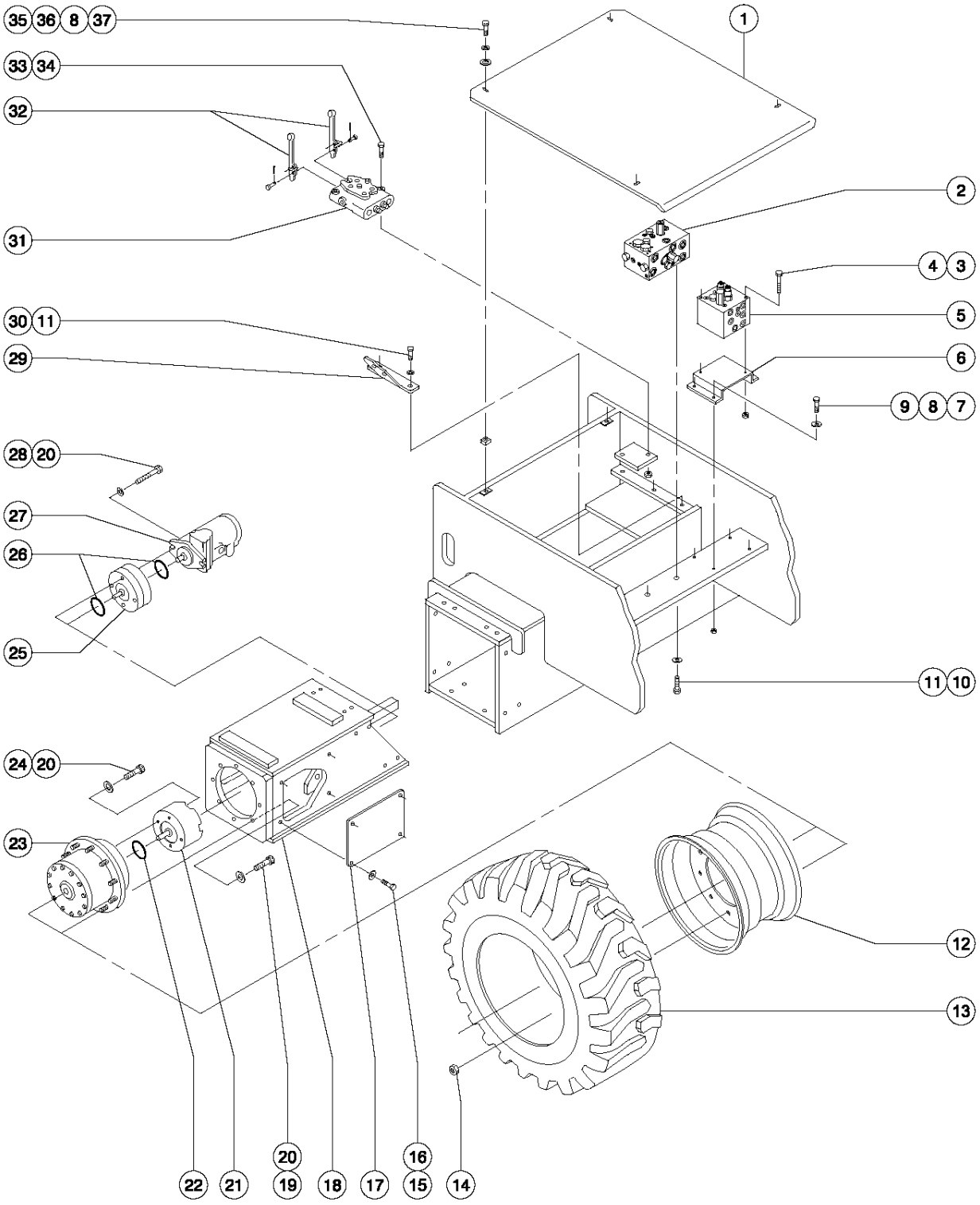
304.2 4WD Drive Manifold (from SN 2649)

Item	*Part No.*	*Description*	*Qty.*
K		Diagnostic nipple Testing	
L		Check valve Divider bypass circuit	


1
2
3
3
A
B
C
D
4
Chassis Jack Manifold
11
10
I
H
9
G
E
F
Axle Extend Dump Manifold
8
1
7
6
5

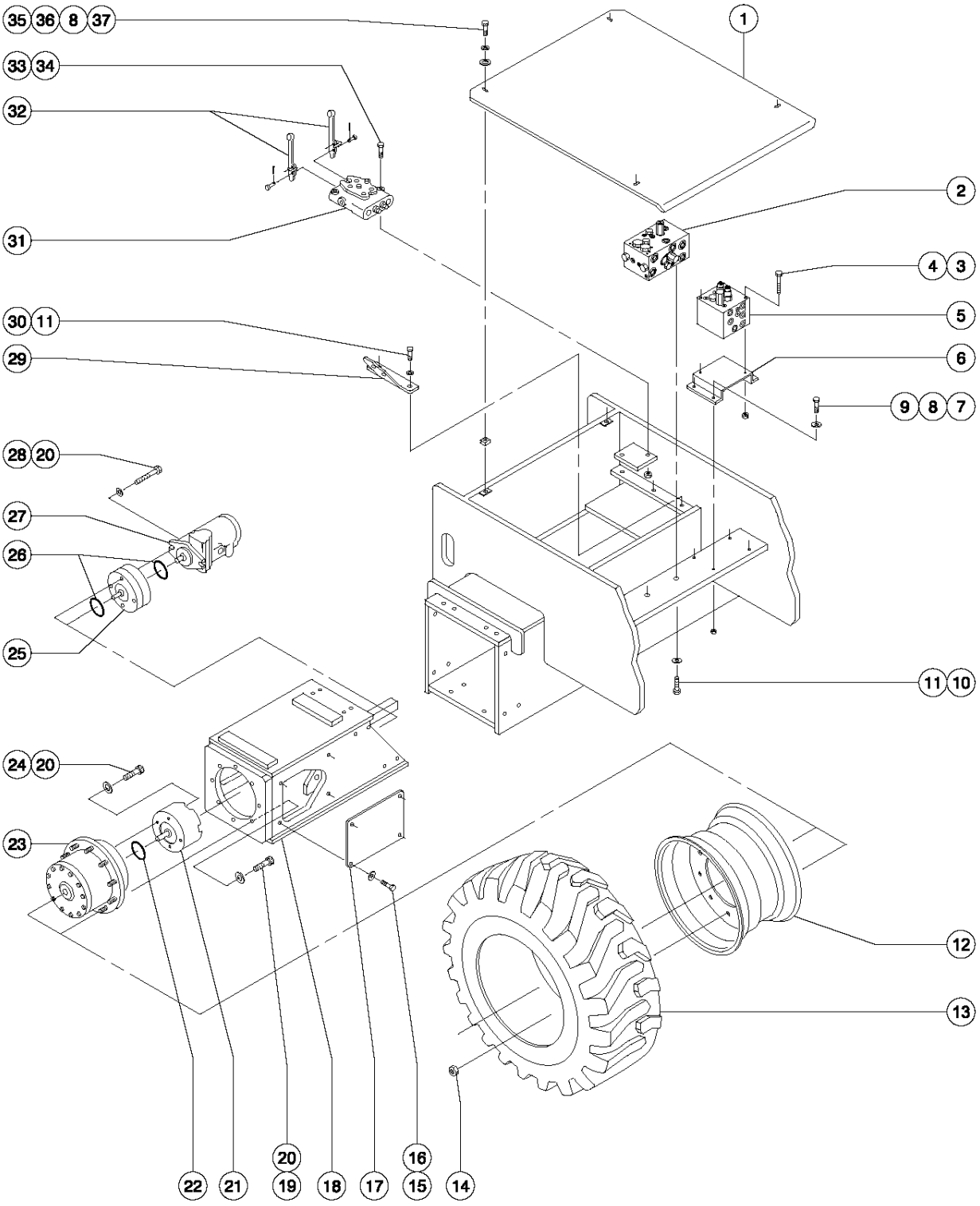
Item	Part No.	Description	Qty.
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	45543GT	VALVE,CHECK, 50 PSI	2
2	62242GT	VALVE,RELIEF,350 PSI,CHASS.JAC	1
3	40665GT	VALVE,COUNTERBALANCE (36078)**	2
4	48539GT	MANIFOLD,CHASSIS JACK includes 1 each index number 1 and index numbers 2 and 3	1
5	45912GT	NUT,SOLENOID VALVE 2P3W	1
6	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* from SN 2745	1
6-	27814GT	COIL,SOLENOID,10V to SN 2744	1
7	62248GT	VALVE,SOLENOID (81029) includes index numbers 5 and 6; from SN 2745	1
7-	33456GT	VALVE,SOLENOID (34545) includes index numbers 5 and 6; to SN 2744	1
8	48536GT	MANIFOLD,AXLE EXTEND DUMP includes 1 each index number 1 and index numbers 5, 6, 7, and 9 through 11	1
9	58960GT	VALVE,FLOW REGULATOR,.3 GPM	1
10	62240GT	VALVE,CHECK,S80 AXLE EXT.DUMP	1
11	62241GT	VALVE,RELIEF,200 PSI (48536)	1
A		Check valve Hydraulic limit switch circuit	
B		Relief valve, 200 psi (13.8 bar) Chassis Jack auto retract circuit	
C		Counterbalance valve Non-steer end Chassis Jack circuit	
D		Counterbalance valve Steer end Chassis Jack circuit	
E		Solenoid valve Allows chassis jacks to lift chassis when boom is in stowed position	
F		Check valve Prevents flow from chassis jacks through auxiliary pump	
G		Regulator flow Regulates flow to steer manifold	
H		Check valve blocks flow back to pump	
I		Relief valve, 200 psi (13.8 bar) Chassis jack relief circuit when boom is raised or extended	

306.1 Non-steer Axle, Wheels and Hubs (to SN 2732)



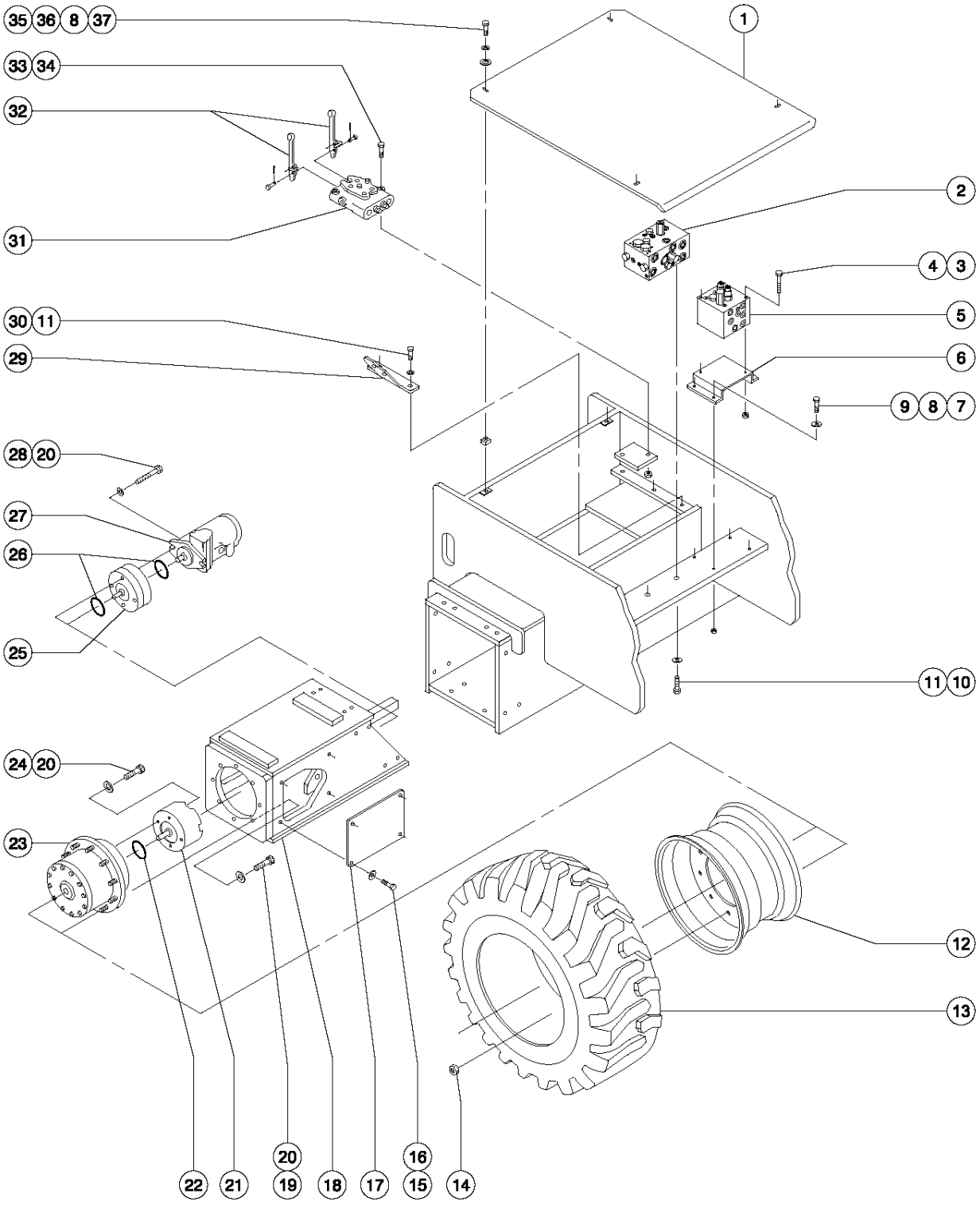
Item	Part No.	Description	Qty.
1	33467GT	COVR W/DECLS,DR CHAS NS END to SN 1248	1
1-	58020GT	DRIV CHAS COVER ASSY N/S END from SN 1249	1
2	40033GT	MANIFOLD,TRCN W/BYPASS,4WD***	1
3	49465GT	SCREW,HHC,5/16-18 X 5	2
4	6782GT	NUT, NYLOCK, 5/16-18	2
5	48539GT	MANIFOLD,CHASSIS JACK	1
6	49421P-SGT	MOUNT, CHASSIS JACK MANIFOLD	1
7	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
8	6638GT	WASHER, FLAT, USS, 1/4"Y	8
9	6889GT	NUT,LP NYLOCK,1/4-20	4
10	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	3
11	6033GT	WASHER,LOCK,0.5"	7
12	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
13A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
13A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
13A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
13B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
13B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
14	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
15	8255GT	SCREW,HHC,3/8-16 X .75	16
16	6021GT	WASHER, LOCK, .375	16
17	34219P-SGT	COVER,REAR AXLE PAINTED	2
18		Ref. Axle Extension, Non-steer End (refer to Figure 307.1)	2
19	73455GT	SCREW,HHC,5/8-11 X 2.25 GR8	16
20	13064GT	WASHER,FLAT,.625 HARDENED to SN 1276	28
20-	13064GT	WASHER,FLAT,.625 HARDENED from SN 1277	20
21	33436GT	TORQUE HUB,4:1 (30989) to SN 1276	2
21-	33443GT	SEAL KIT,TORQUE HUB (30989) to SN 1276	2

306.1 Non-steer Axle, Wheels and Hubs (to SN 2732)



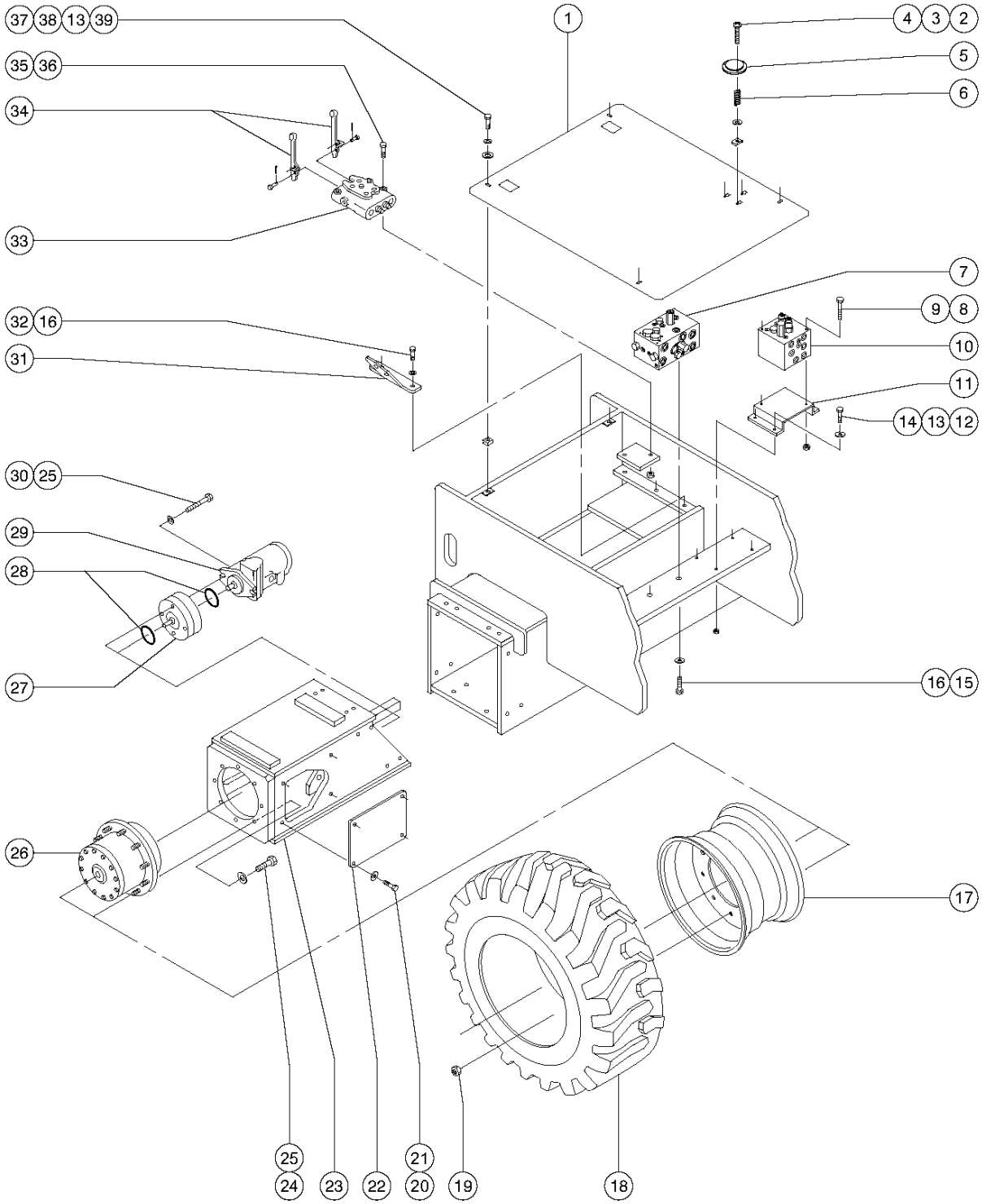
Item	Part No.	Description	Qty.
22	33437GT	O-RING,TORQUE HUB (30989) to SN 1276	2
23A	33435GT	TORQUE HUB,26:1 (30989)*** to SN 1276	2
23A-	33436GT	TORQUE HUB,4:1 (30989) to SN 1276	2
23A-	T110729GT	SEAL KIT,TORQUE HUB,26:1(30989 to SN 1276	
23A-	33441GT	STUD,WHEEL,3/4-16, (34115) to SN 1276	
23B	53483GT	WHEEL DRIVE,HW3 87:1*** from SN 1277; limited inventory, component no longer available	2
23B-	33440GT	SEAL KIT,TORQUE HUB (34115)*** from SN 1277	
23B-	33441GT	STUD,WHEEL,3/4-16, (34115) from SN 1277	
23B-	147558GT	KIT,BEARING,TAPERED,OUTER*** (for 53483)	
23B-	147559GT	KIT,BEARING,TAPERED,INNER*** (for 53483)	
24	50576GT	SCREW,SHC,1/2-13 X 3.00 to SN 1276	8
25A	73899GT	BRAKE, WHEEL, 1600 INLB includes 2 each of index number 26. (Previous brake part 41916 is no longer available, Replaced by part 73899)	2
25A-	77240GT	SEAL KIT, AUSCO BRAKE*** (for 73899)	
25A-	77239GT	LINING KIT,AUSCO BRAKE*** (for 73899)	
25A-	65608GT	BEARING KIT, AUSCO*** (for 73899)	
25B-	41921GT	SEAL KIT,BRAKE,MICO for MICO brake part 41916	2
25B-	41920GT	LINING KIT,MICO BRAKE (41916) for MICO brake part 41916	2
25B-	41922GT	BEARING KIT,BRAKE,MICO for MICO brake part 41916	2
26	22811GT	O-RING,MOTOR TO BRAKE*** measures approx 4" x 0.10"	4
27	24667GT	DRVE MOTOR REAR,4WD/1DEGREE includes 1 each of index number 26	2
27-	65865GT	SEAL KIT, SUNSTRAND	
27-	83081GT	COVER, SERVO (24667)	
27-	49897GT	GASKET,TURTLE,DRV MTR,EDC	
28	7261GT	SCREW,HHC,1/2-13 X 5 BLACK for Mico Brakes	4
28-	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC for Ausco Brakes	
29	34719P-SGT	BRACKET,HOSE SUPPORT PAINTED	2
30	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
31	34134GT	VALVE,MANUAL,3 POS-4 WAY,2SPL*	2

306.1 Non-steer Axle, Wheels and Hubs (to SN 2732)



Item	*Part No.*	*Description*	*Qty.*
31-	33469GT	SEAL KIT,3POS,4WAY VALVE-34134	2
32	34135GT	HANDLE KIT,SPOOL includes mounting fasteners	4
33	6884GT	SCREW,HHC,1/4-20 X 2.5	4
34	6091GT	NUT,NYLOCK,1/4-20	4
35	6090GT	SCREW, HHC, 1/4-20 X .75	4
36	6356GT	WASHER,LOCK,.25	4
37	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

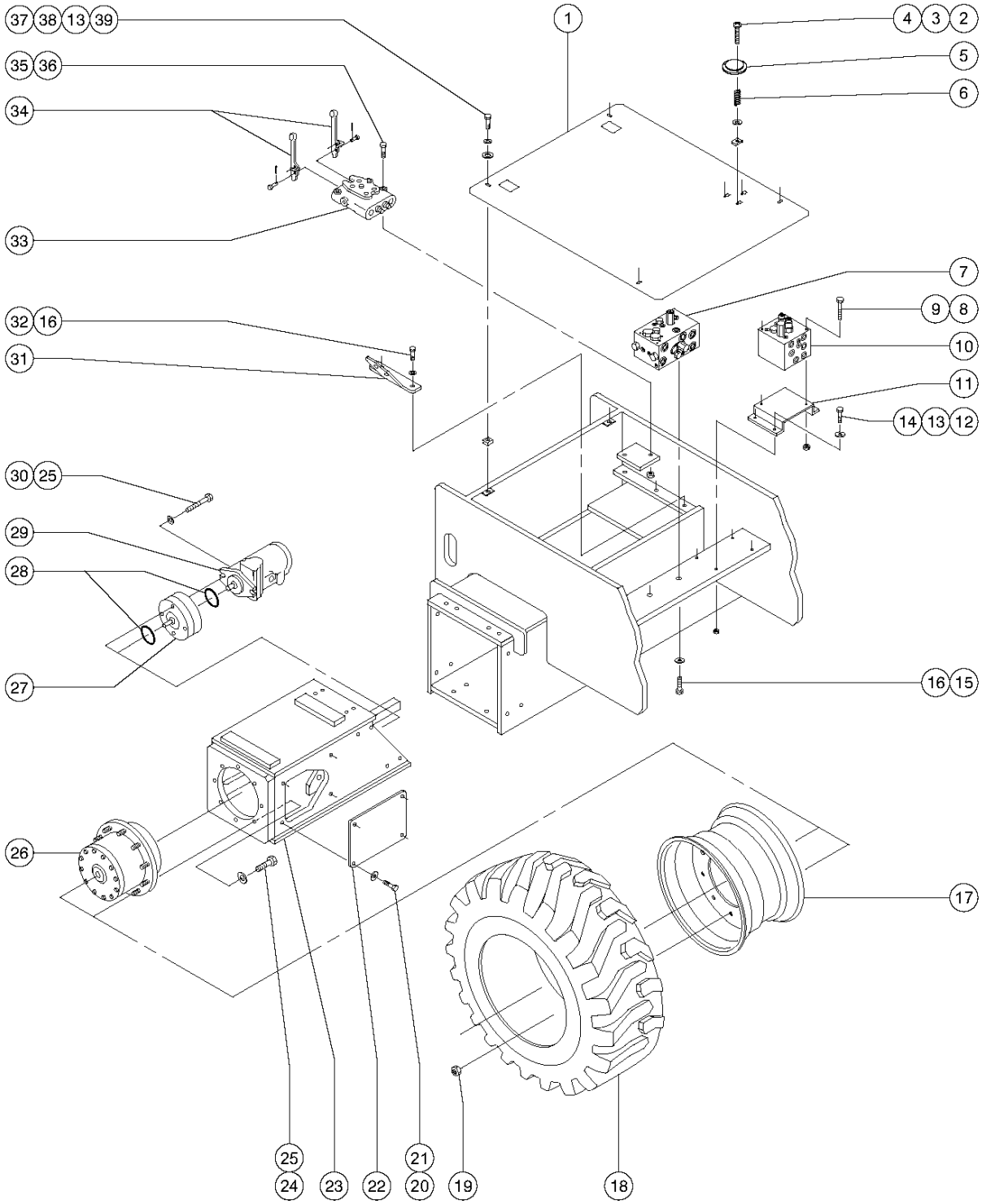
306.2 Non-steer Axle, Wheels and Hubs (from SN 2733)



306.2 Non-steer Axle, Wheels and Hubs (from SN 2733)

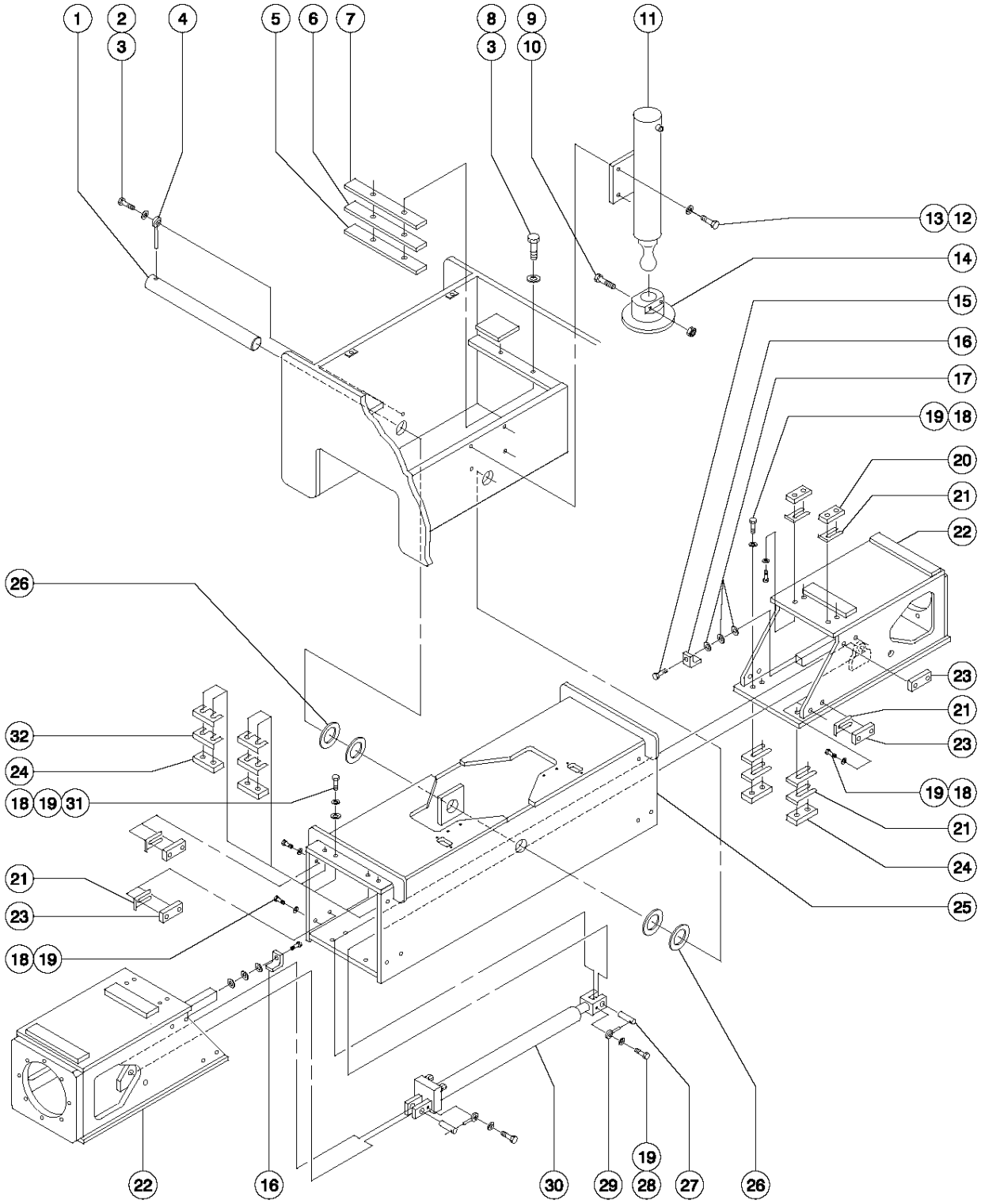
Item	Part No.	Description	Qty.
1	58020GT	DRIV CHAS COVER ASSY N/S END from SN 2733	
2	73634GT	SCREW,PHIL,PHM,10-24X1.5 ZINC CE models; from SN 2733	3
3	6146GT	WASHER,FLAT,MS,#10,Y CE models; from SN 2733	3
4	73575GT	SPRING CLIP,10-24,.025-.125X.468,ZAG CE models; from SN 2733	3
5	77026GT	LEVEL,BUBBLE,2 DEGREE * CE models; from SN 2733	1
6	77027GT	SPRING,1X.31 ODX.040WIRE,SS CE models; from SN 2733	1
7	40033GT	MANIFOLD,TRCN W/BYPASS,4WD***	1
8	49465GT	SCREW,HHC,5/16-18 X 5	2
9	6782GT	NUT, NYLOCK, 5/16-18	2
10	48539GT	MANIFOLD,CHASSIS JACK	1
11	49421P-SGT	MOUNT, CHASSIS JACK MANIFOLD	1
12	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
13	6638GT	WASHER, FLAT, USS, 1/4"Y	8
14	6889GT	NUT,LP NYLOCK,1/4-20	4
15	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	3
16	6033GT	WASHER,LOCK,0.5"	7
17	73190GT	WHEEL, 22.5 X 11.75 S80 for 81528, 81529	
18A	81528GT	TIRE & WHEEL ASSY,AIR,RH,S80 RT, Air-filled, right	1
18A	81529GT	TIRE &WHEEL ASSY,AIR,LH,S80 RT, Air-filled, left	1
18A-	81527GT	TIRE,15-22.5,16 PLY,HAULER S80 for 81528, 81529	
18B	60956GT	TIRE & WHEEL ASSY.RIGHT,FOAM RT, Foam-filled, right; replaced 81530	2
18B	60957GT	TIRE & WHEEL ASSY.LEFT,FOAM RT, Foam-filled, left; replaced 81531	2
19	34127GT	NUT,LUG,3/4-16 X 7/8 RADIUS	20
20	8255GT	SCREW,HHC,3/8-16 X .75	16
21	6021GT	WASHER, LOCK, .375	16
22	34219P-SGT	COVER,REAR AXLE PAINTED	2
23		Ref. Axle Extension, Non-steer End (refer to Figure 307.1)	2
24	73455GT	SCREW,HHC,5/8-11 X 2.25 GR8	16

306.2 Non-steer Axle, Wheels and Hubs (from SN 2733)



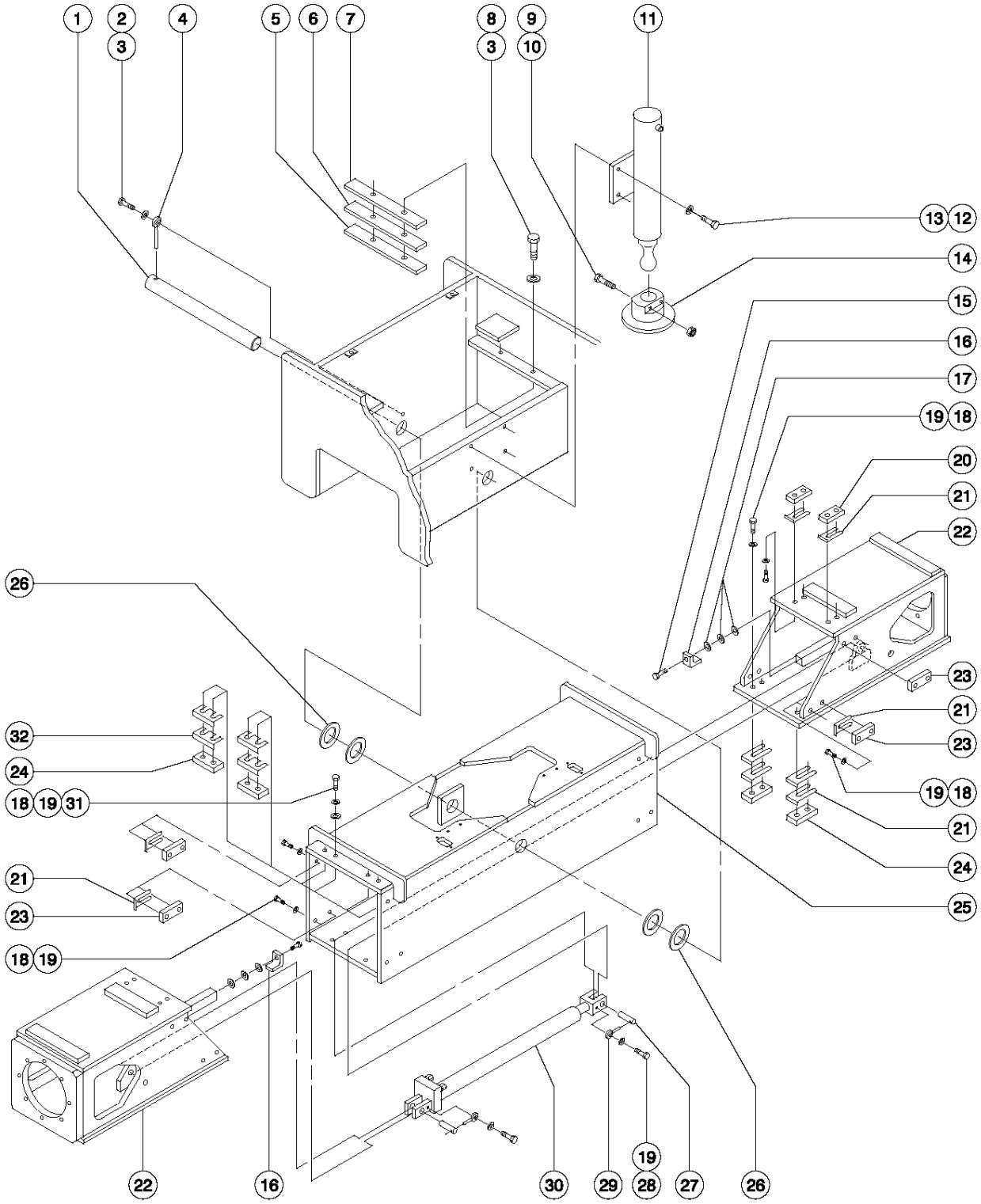
Item	Part No.	Description	Qty.
25	13064GT	WASHER,FLAT,.625 HARDENED from SN 1277	20
26	53483GT	WHEEL DRIVE,HW3 87:1*** limited inventory, component no longer available	2
26-	33440GT	SEAL KIT,TORQUE HUB (34115)***	2
26-	33441GT	STUD,WHEEL,3/4-16, (34115)	2
26-	147558GT	KIT,BEARING,TAPERED,OUTER*** (for 53483)	
26-	147559GT	KIT,BEARING,TAPERED,INNER*** (for 53483)	
27	73899GT	BRAKE, WHEEL, 1600 INLB includes 2 each of index number 28	2
27-	77240GT	SEAL KIT, AUSCO BRAKE***	2
27-	77239GT	LINING KIT,AUSCO BRAKE***	2
27-	65608GT	BEARING KIT, AUSCO***	2
28	22811GT	O-RING,MOTOR TO BRAKE*** measures approx 4" x 0.10"	4
29	24667GT	DRVE MOTOR REAR,4WD/1DEGREE includes 1 each of index number 29	2
29-	65865GT	SEAL KIT, SUNSTRAND	2
29-	83081GT	COVER, SERVO (24667)	
29-	49897GT	GASKET,TURTLE,DRV MTR,EDC	
30	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC	4
31	34719P-SGT	BRACKET,HOSE SUPPORT PAINTED	2
32	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
33	34134GT	VALVE,MANUAL,3 POS-4 WAY,2SPL*	2
33-	33469GT	SEAL KIT,3POS,4WAY VALVE-34134	2
34	34135GT	HANDLE KIT,SPOOL includes mounting fasteners	4
35	6884GT	SCREW,HHC,1/4-20 X 2.5	4
36	6091GT	NUT,NYLOCK,1/4-20	4
37	6090GT	SCREW, HHC, 1/4-20 X .75	4
38	6356GT	WASHER,LOCK,.25	4
39	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

307.1 Extendable Non-Steer Axle Installation



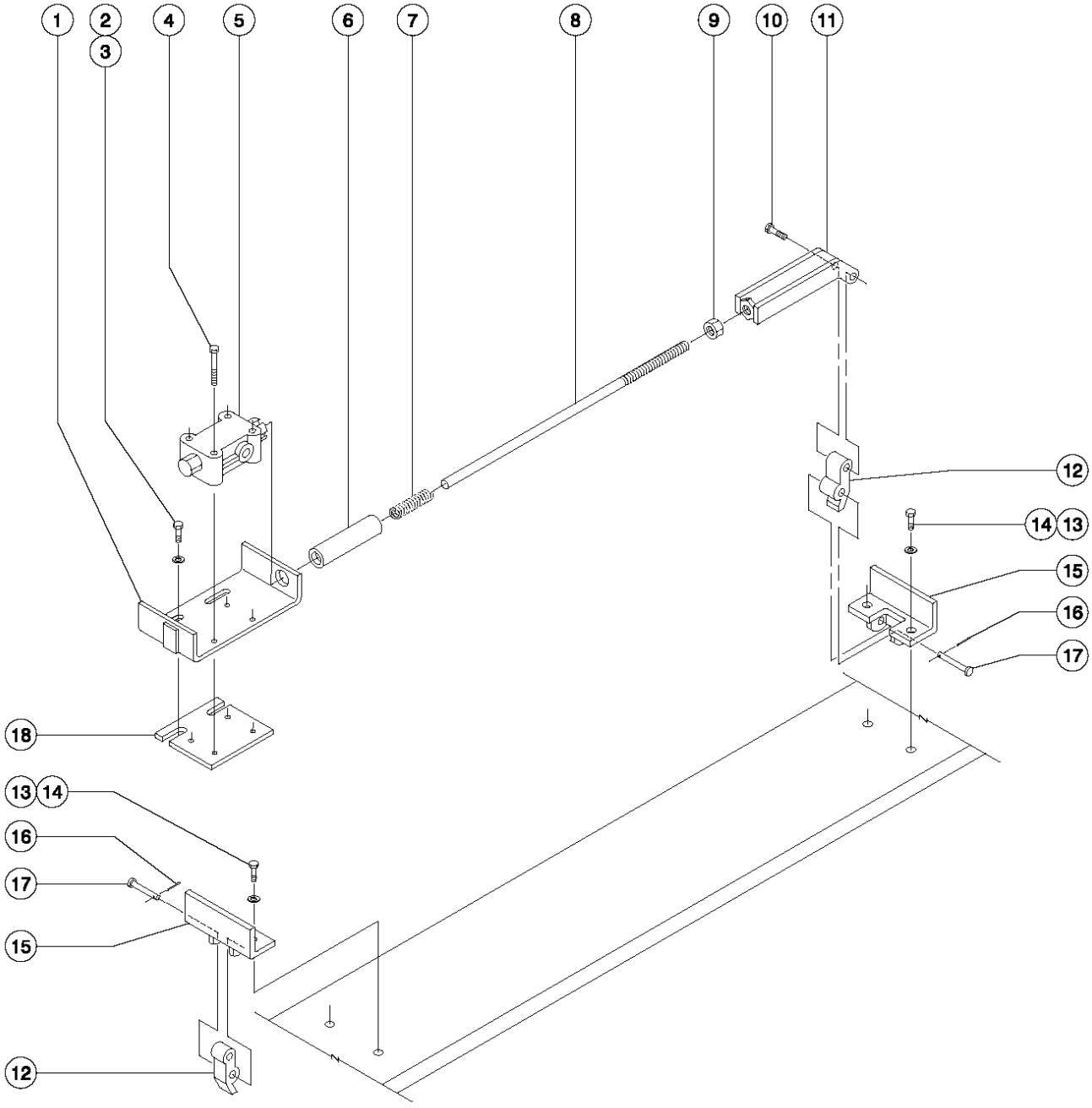
Item	Part No.	Description	Qty.
1	34273GT	PIN,2.50DIAX21.12LG,1HOLE	1
2	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	1
3	6033GT	WASHER,LOCK,0.5"	5
4	1256267GT	ROD END,.5 X 3.75,ZAG	1
5	34218P-SGT	BAR,AXLE ROTATION STOP,OSC.	1
6	34216GT	SHIM,AXLE ROTATION STOP,22GA	2
7	34215GT	SHIM,AXLE ROTATION STOP,12GA	2
8	6096GT	SCREW,HHC,1/2-13 X 2 GR5	4
9	12981GT	SCREW,HHC,3/8-16 X 4.5	2
10	4828GT	NUT, NYLOCK, 3/8-16	2
11	63220GT	CYLINDER,JACK***	1
11-	63360GT	SEAL KIT CYL.S80(63220)	1
12	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	4
13	6036GT	WASHER,LOCK,.625 PLTD	4
14	34772GT	CASTING,JACK FT/PAD PAINTED	1
15	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
16	34729P-SGT	BRACKET,ACTUATOR PAINTED	2
17	5397GT	WASHER, FLAT, USS, 5/16-18	6
18	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	56
19	6021GT	WASHER, LOCK, .375	58
20	34668GT	WEAR PAD,W/INSERT	4
21	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	32
22	53404GT	INNER REAR AXLE WELDMENT, L.H.	1
22-	53405GT	INNER REAR AXLE WELDMENT, R.H.	1
23	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	8
24	34206GT	PAD,AXLE COMPRESSION,3/8"HOLES	8
25	34082GT	WELDMENT,OUTER REAR AXLE	1
26	29746GT	WASHER,FLAT,2.5 X 4 X .062	6

307.1 Extendable Non-Steer Axle Installation



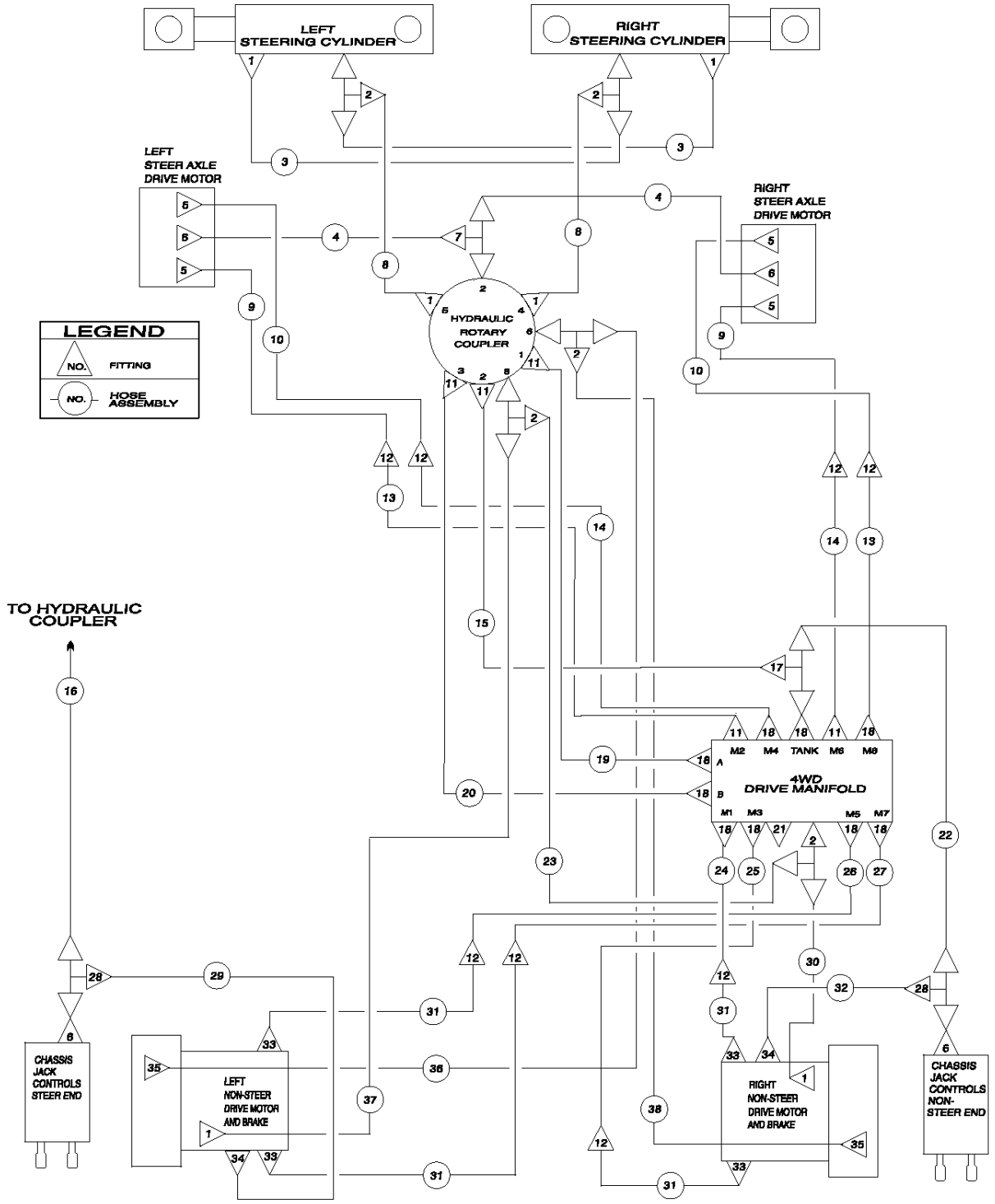
Item	*Part No.*	*Description*	*Qty.*
27	30734GT	PIN,1.00DIAX2.88LG,1HOLE	2
28	6175GT	SCREW,HHC,3/8-16 X 1	2
29	1255452GT	ROD END,.375 X 2.25,ZAG	2
30	63218GT	CYLINDER,AXLE EXT,REAR	1
30-	63358GT	SEAL KIT CYL.S80(63218)	1
30-	33428GT	VALVE,COUNTERBALANCE	1
31	6097GT	WASHER, FLAT, USS, 3/8", Y	4
32	34343GT	SHIM,SIDE PAD 16GA,.44 SLOT	4

308.1 Extendable Axle Hydraulic Limit Switch Installation



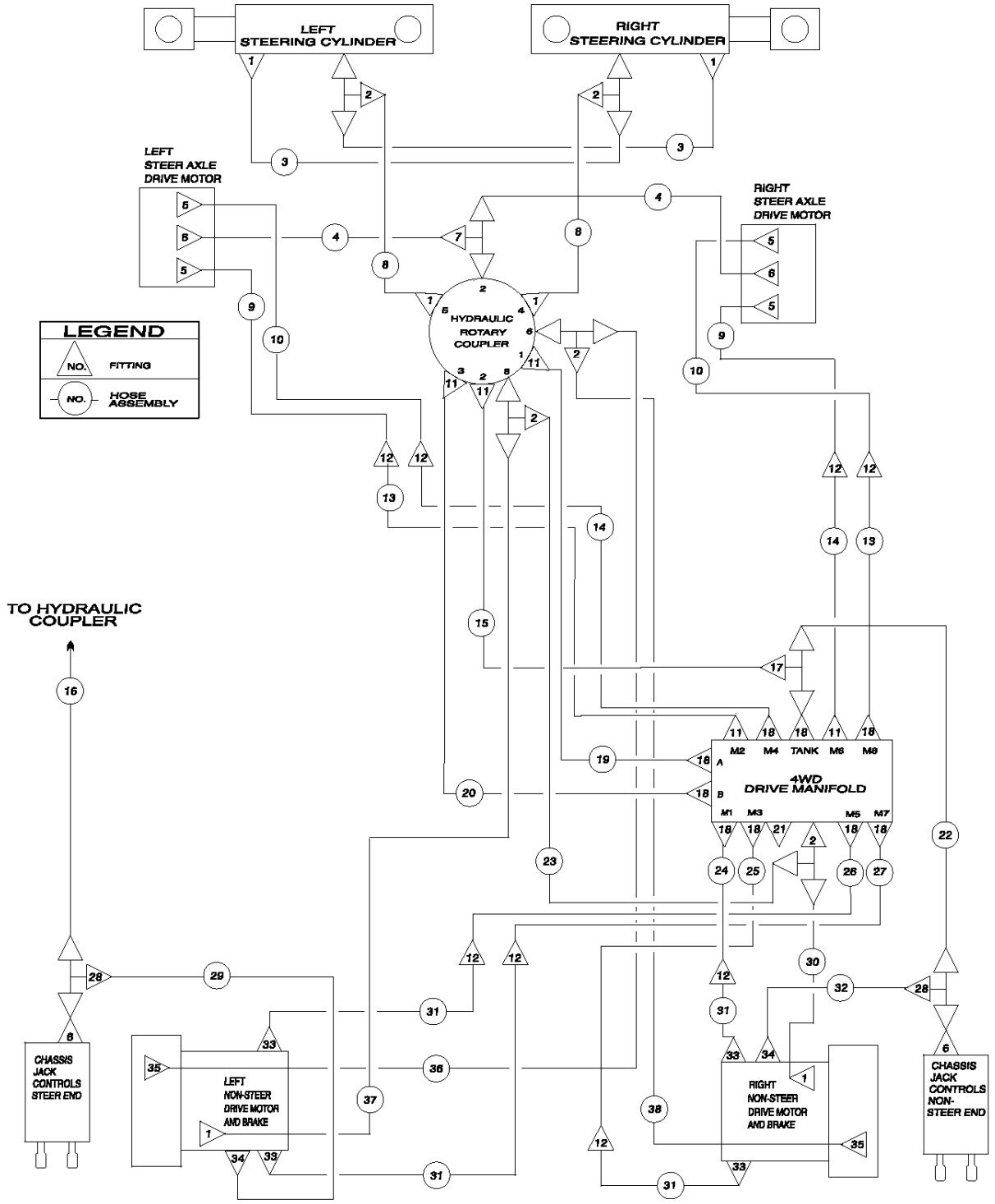
Item	*Part No.*	*Description*	*Qty.*
1	34735-SGT	WELDMENT,SWITCH HOLDER	2
2	11335GT	SCREW,SHS,3/8-16 X .5	4
3	8519GT	WASHER,SHIM,.5 X .875 X .033	4
4	4266GT	SCREW,HHC,1/4-20 X 2	8
5	34552GT	VALVE,DIRECTIONAL,2POS.2WAY 90	2
5-	34552GT	VALVE,DIRECTIONAL,2POS.2WAY 90	2
6	34747GT	PLUNGER,CONNECTING ROD	2
7	34748GT	SPRING,AXLE CONNECTING ROD	2
8	34647GT	ROD,AXLE SWITCH CONNECT	2
9	45076GT	NUT,HEX,JAM,5/8-11	2
10	34732GT	SCREW,SHS,5/16-18 X 1.25(3/8)	2
11	34646-SGT	CLEVIS,AXLE SWITCH ADJUSTMENT	2
12	34644P-SGT	LINK,AXLE SWITCH PAINTED	4
13	8255GT	SCREW,HHC,3/8-16 X .75	8
14	6021GT	WASHER, LOCK, .375	8
15	34645-SGT	WELDMENT,PIVOT BRACKET	4
16	12016GT	PIN, COTTER, .125 X .75	4
17	34742GT	PIN,CLEVIS,.375 X 1.75 LG.	4
18	34652GT	SLIDE PAD,AXLE SWITCH	2

309.1 Hydraulic Hoses and Fittings - Drive and Steer System



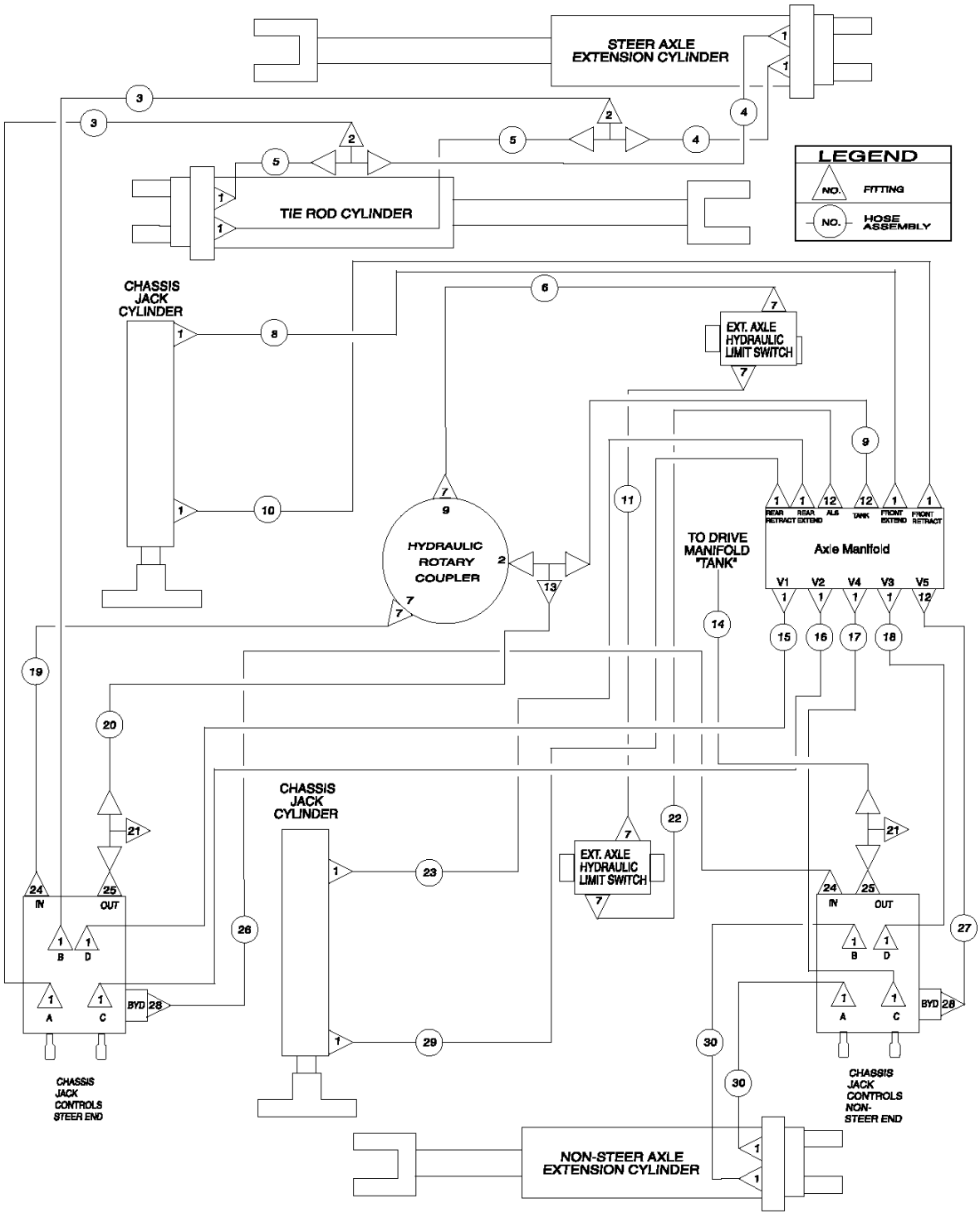
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48915GT	ELBOW,90D,520220-6	6
2	48918GT	TEE,RUN,520428-6	5
3	49104-9334GT	HOSE ASSEMBLY,3/8"	2
4	49141-10563GT	HOSE ASSY,1/2,45 FEM,STR FEM	2
5	48975GT	CONN,520120-12-10	4
6	48933GT	CONN,520120-8***	4
7	48936GT	TEE,BRANCH,520429-8	1
8	49105-6482GT	HOSE ASSEMBLY,3/8"	2
9	49156-4081GT	HOSE ASSY,3/4,90 FEM,STR FEM	2
10	49154-4645GT	HOSE ASSEMBLY,3/4"	2
11	48963GT	FITTING,ELBOW,45D,520320-12***	5
12	48968GT	CONN,BULKHEAD,520601-12	8
13	49156-9881GT	HOSE ASSY,3/4,90 FEM,STR FEM	2
13-	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	2
13-	49612GT	O-RING KIT (ORFS FITTINGS)	2
14	49156-9181GT	HOSE ASSY,3/4,90 FEM,STR FEM	2
15	49151-2473GT	HOSE ASSY,3/4,STR FEM,STR FEM	1
16	49143-7429GT	ASSY, HOSE, HYD, -8, 3000, STR, 90	1
17	48964GT	TEE,RUN,SWIVEL,520432-12	1
18	48960GT	FITTING,CONN,520120-12***	8
19	49154-3270GT	HOSE ASSEMBLY,3/4"	1
20	49156-3156GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
21	48997GT	NIPPLE,DIAGNOSTIC,#4	1
21-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
22	49142-3187GT	HOSE ASSEMBLY,1/2"	1
23	49128-5234GT	HOSE ASSEMBLY,3/8"	1

309.1 Hydraulic Hoses and Fittings - Drive and Steer System



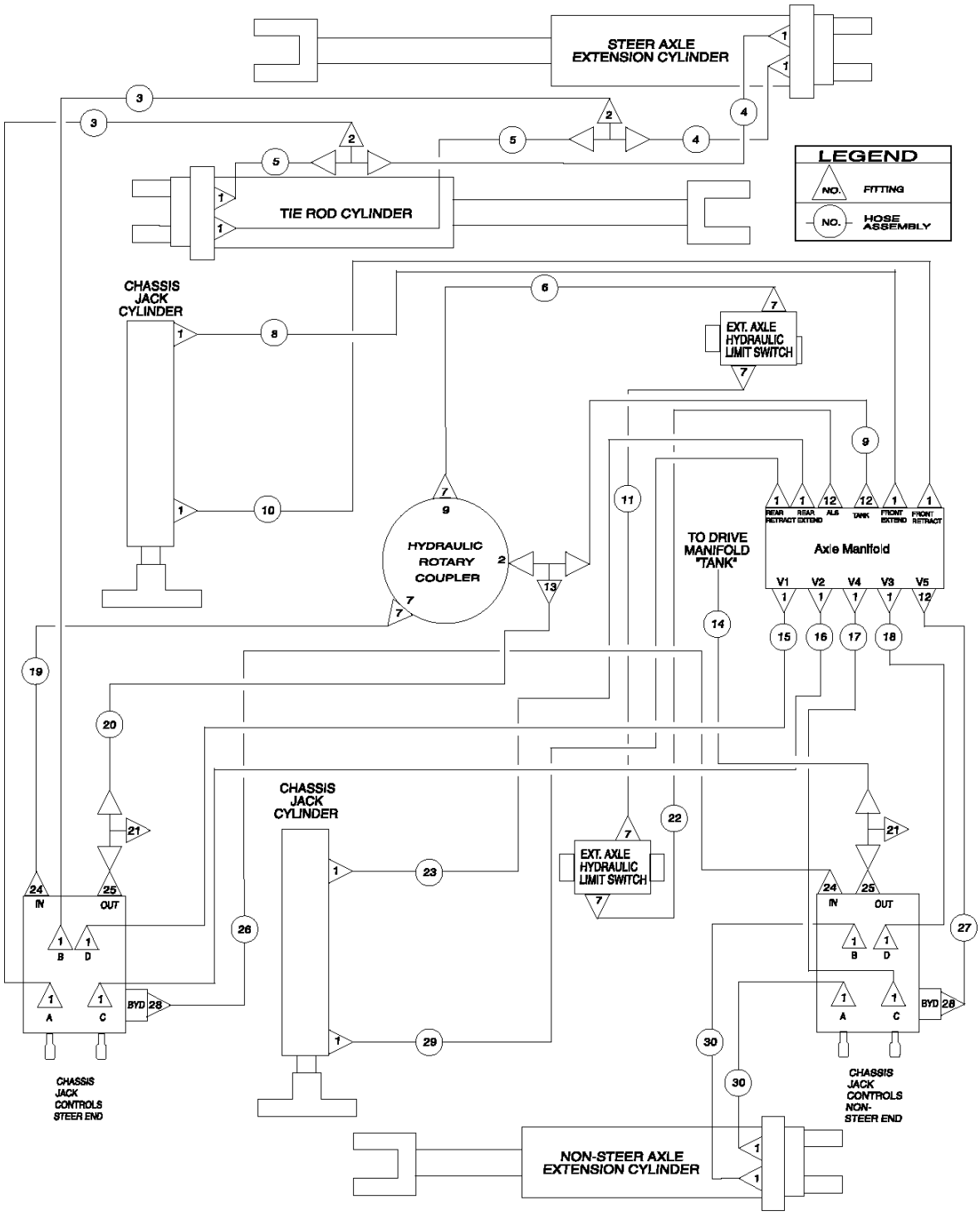
Item	Part No.	Description	Qty.
24	49156-2631GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
25	49156-1956GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
26	49156-3506GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
27	49156-4206GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
28	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	2
29	49141-4013GT	HOSE ASSY,1/2,45 FEM,STR FEM	1
30	49130-3907GT	HOSE ASSEMBLY,3/8"	1
31	49157-3660GT	HOSE ASSEMBLY,3/4"	4
32	49183-4242GT	HOSE ASSY,1/2,STR FEM,STR FEM	1
33	48976GT	ELBOW,90D,520220-12-16	4
34	48947GT	ELBOW,90D,520220-8-12	2
35	48904GT	ELBOW, 90D, 520220-4	2
36	49120-10856GT	HOSE ASSEMBLY,1/4"	1
37	49130-9757GT	HOSE ASSEMBLY,3/8"	1
38	49118-11533GT	HOSE ASSEMBLY,1/4"	1

310.1 Hydraulic Hoses and Fittings - Extendable Axle System



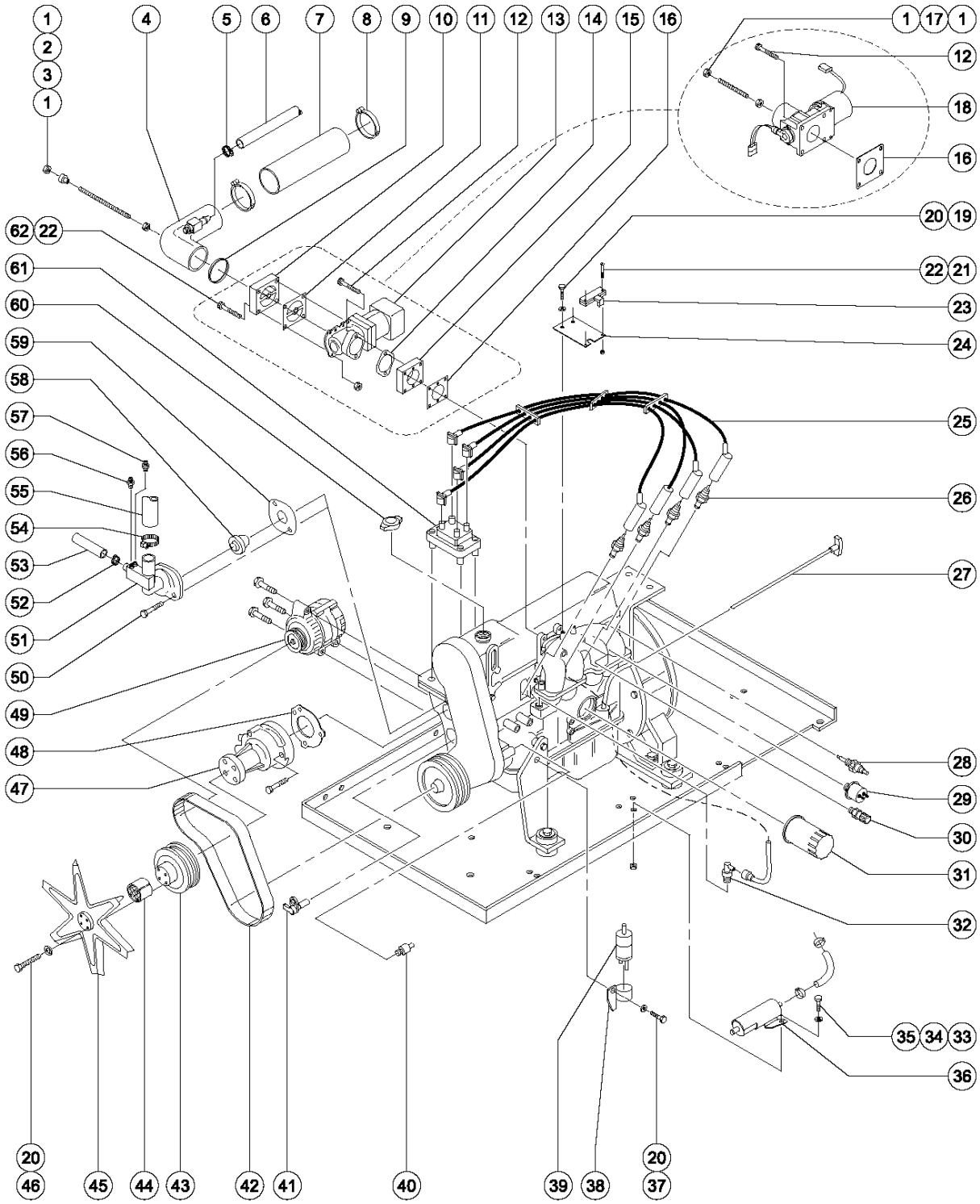
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48912GT	CONN,520120-4-6***	26
2	48909GT	TEE,BULKHEAD,RUN,520958-4	2
3	49117-11741GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
4	49119-3428GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
5	49119-5353GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
6	49119-7353GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
7	48911GT	ELBOW,90D,520220-4-6***	5
8	49119-7103GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
9	49135-4714GT	HOSE ASSEMBLY,3/8"	1
10	49119-7603GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
11	49119-14203GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
12	48916GT	CONN, 520120-6	3
13	48935GT	TEE,RUN, 520428-8	1
14	49142-3187GT	HOSE ASSEMBLY,1/2"	1
15	49117-2291GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
15-	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	1
15-	49612GT	O-RING KIT (ORFS FITTINGS)	1
16	49117-2591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
17	49117-4016GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
18	49117-3916GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
19	49119-6403GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
20	49143-7429GT	ASSY, HOSE, HYD, -8, 3000, STR, 90	1
21	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	2
22	49118-3858GT	HOSE ASSEMBLY,1/4"	1
23	49117-1941GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
24	48914GT	CONN,520120-4-8	2

310.1 Hydraulic Hoses and Fittings - Extendable Axle System



Item	*Part No.*	*Description*	*Qty.*
25	48933GT	CONN,520120-8***	2
26	49117-2441GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
27	49130-3907GT	HOSE ASSEMBLY,3/8"	1
28	48915GT	ELBOW,90D,520220-6	2
29	49117-2316GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
30	49117-4491GT	HOSE ASSY,1/4,90 FEM,STR FEM	2

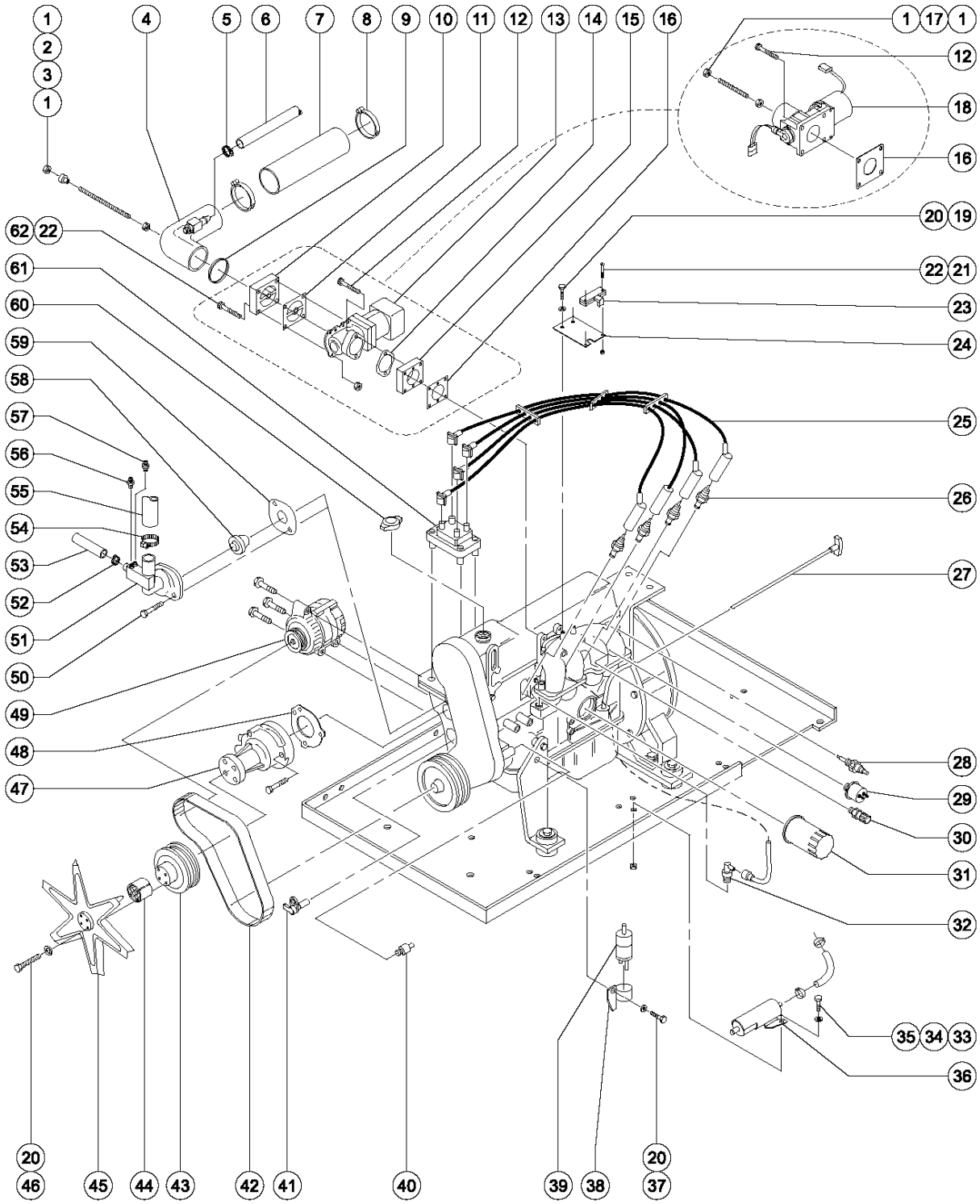
401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)



401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)

Item	Part No.	Description	Qty.
-	49735GT	ENGINE,FORD LRG 425,EFIZ45 (remanufactured long block only, does not include starter, alternator, radiator or fuel system)	
	65770GT	BELT,TIMING,FORD LRG423/425EFI	
	29606GT	RING GEAR,FORD*** FITS LSG-LRG 423, AND LRG425	
	29616GT	STARTER,ENGINE,FORD LSG/LRG***	
1	6889GT	NUT,LP NYLOCK,1/4-20	2
2	27010GT	VALVE,LOCK OFF,BEAM #FL-418	1
3	27507GT	THREADED ROD,1/4-20,4.5" to SN 1704	1
4	24552GT	VENTURI,BEAM (FORD) ***	1
5	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	2
6	53832GT	HOSE,FIRE RES.,5/8 ID,BULK	
7	53125GT	HOSE,AIR INTAKE 2.5 ID X 6.5	1
8	45435GT	CLAMP,HOSE,2.50"	2
9	65455GT	GASKET-VENTURI BEAM (FORD)	1
10	48471GT	ADAPTER,LP VENTURI to SN 1704	1
11		GASKET,LP ADAPTER to SN 1704 (no longer available)	1
12	49386GT	SCREW,HHC,M8 X 40 to SN 1704	2
13		KIT,FORD EFI UPDATE,BASE*** to SN 1704, no longer available)	1
14	52577GT	GASKET - THROTTLE BODY, 425EFI to SN 1704	1
15	88455GT	ADAPTER,THROTTLE ACTUATOR*** to SN 1704	1
16	52579GT	GASKET,ADAPTER PLATE,425EFI*** to SN 1704	1
17	27507GT	THREADED ROD,1/4-20,4.5" from SN 1705	1
18A		ACTUATOR, FORD EFI PRECISION from SN 1705; component no longer available	1
18B	88451GT	THROTTLE ACTUATOR*(BOSCH) models with EFI update kit ONLY	
19	23057GT	SCREW,HHC,M8 X 20MM	2
20	49408GT	WASHER, LOCK, M8	7
21	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25	2
22	6178GT	NUT, NYLOCK, 10-32	6
23	49898GT	MAP SENSOR, EFI	1

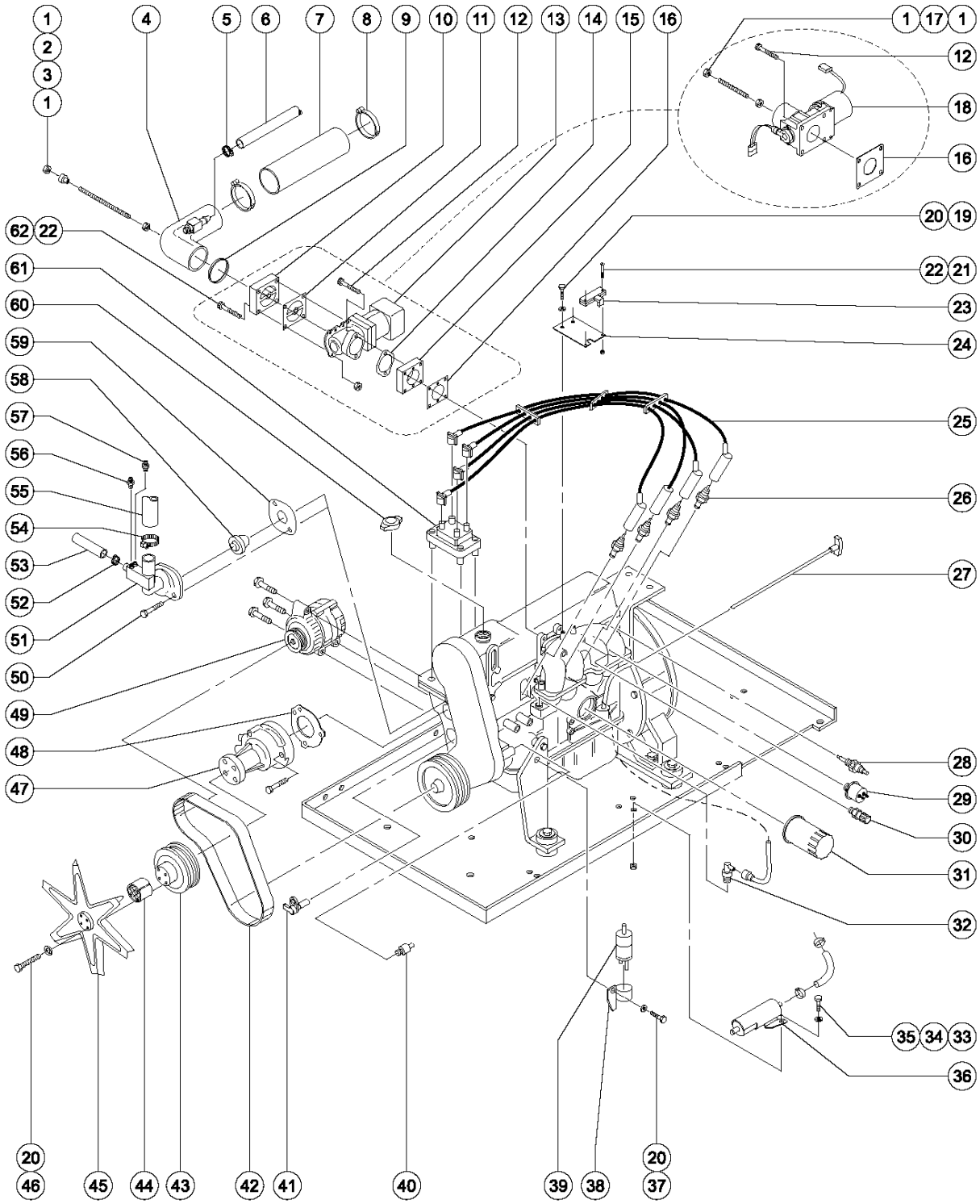
401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)



401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)

Item	Part No.	Description	Qty.
24	53821PGT	BRACKET,MAP SENSOR,PAINTED	1
25	52570GT	SPARK PLUG WIRE SET, LRG425EFI	1
26	28647GT	SPARK PLUG,FORD	4
26-	52656GT	FUEL INJECTOR, LRG-425 EFI	4
27	52566GT	DIPSTICK, OIL LEVEL,LRG425 EFI	1
28	34058GT	SENDING UNIT,TMP,FRD,GM,PRK704	1
29	30810GT	SENDING UNIT,OIL PRESSURE*** dual-terminal sender	1
30	52652GT	SENSOR,AIR TEMP,LRG-425 EFI***	1
31	28656GT	FILTER,OIL,FORD Genie genuine part	1
31-	1259054GT	FILTER, OIL, FORD Genie aftermarket	
32	33957GT	VALVE,PCV-FORD LRG***	1
33	8915GT	SCREW, HHC, 1/4-20 X 1.25	3
34	6638GT	WASHER, FLAT, USS, 1/4"Y	3
35	6091GT	NUT,NYLOCK,1/4-20	3
36	81941GT	FUEL PUMP RELOCATION KIT	1
37	25929GT	SCREW,HHC,M8 X 30MM,GRD 8.8	1
38	65453GT	BRACKET-FUEL FILTER (52567)	1
39	58967GT	FUEL PRESSURE REG,425EFI***	1
40	58900GT	SENSOR,CAM,EFI***	1
41	33968GT	SENSOR, CRANK POSITION	1
42	52580GT	BELT,SERPENTINE,LRG425 EFI***	1
43	52078GT	PULLEY,FORD ENGINE,LRG-423***	1
44	52077GT	SPACER,FAN TO WATERPUMP LRG423	1
45		FAN, LSG423/LRG425 (52076) component no longer available	1
46	32309GT	SCREW,HHC,M8 X 60MM X 1.25	4
47	33963GT	PUMP, WATER, WITH GASKET	1
48	33964GT	GASKET, WATER PUMP	1
49	33960GT	ALTERNATOR,LRG-423 RE-BUILT*	1

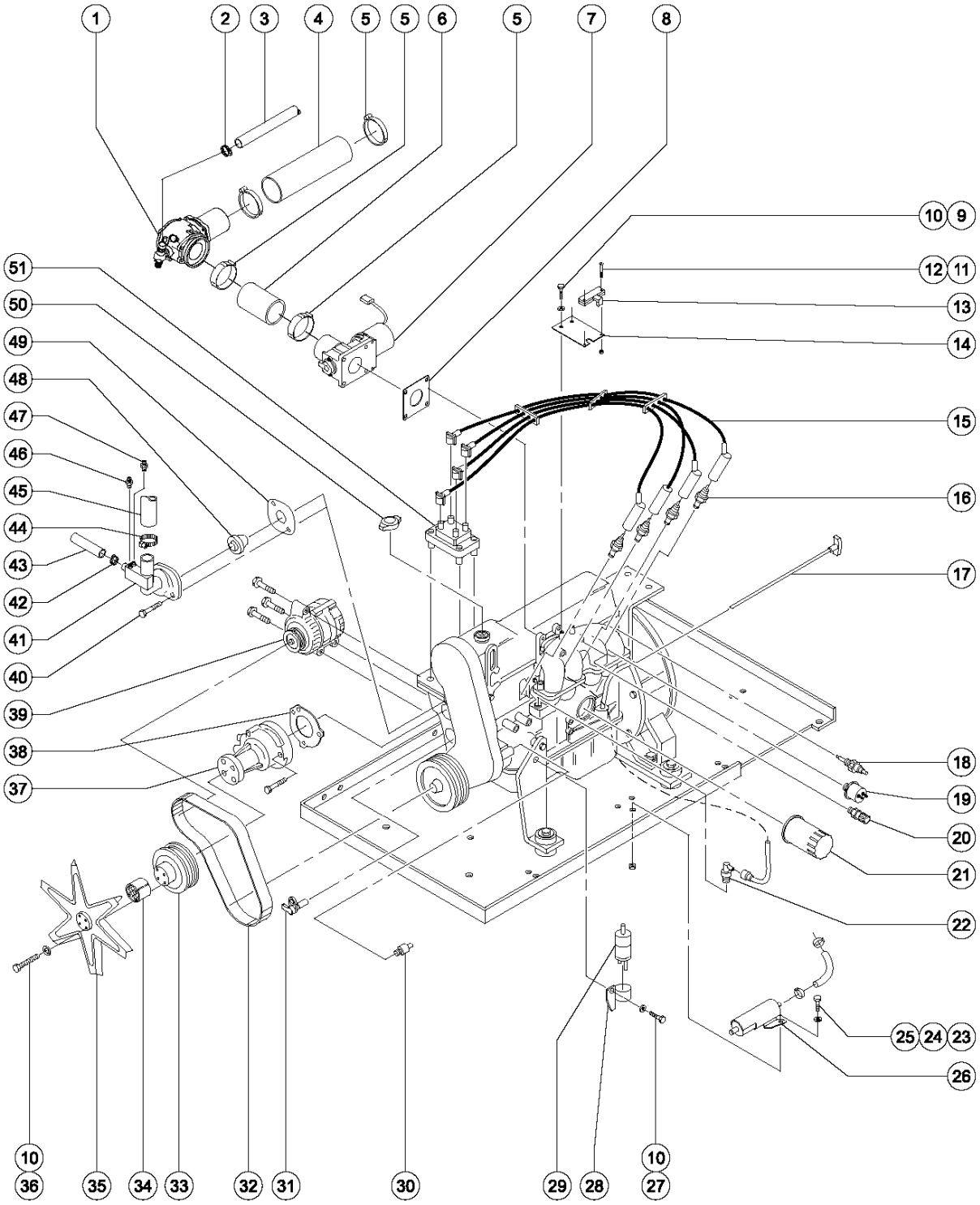
401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)



401.1 Ford LRG-425 EFI Engine - View 1 (to SN 2971)

Item	Part No.	Description	Qty.
50	65454GT	BOLT-FLANGE,M6 X 22MM(52573)	2
51	52573GT	THERMOSTAT HOUSING, LRG425 EFI	1
52	36208GT	CLAMP,HOSE,1.25***	1
53	52762GT	HOSE,WATER INLET,LRG425 EFI	1
54	22672GT	CLAMP,HOSE,1.75	1
55	33965GT	HOSE, UPPER RADIATOR	1
56	33972GT	SENSOR,COOLANT TEMP*	1
57	65456GT	SENDING UNIT-H20TMP LRG425EFI*	1
58	33966GT	THERMOSTAT, FORD LRG	1
59	52575GT	GASKET,THERM.HSNG O-RING	1
60	49881GT	OIL FILLER CAP FOR LRG ENGINE	1
61	33970GT	COIL, ELECTRONIC IGN., FORD	1
62	30469GT	SCREW,FHM,10-32 X 1.5	4

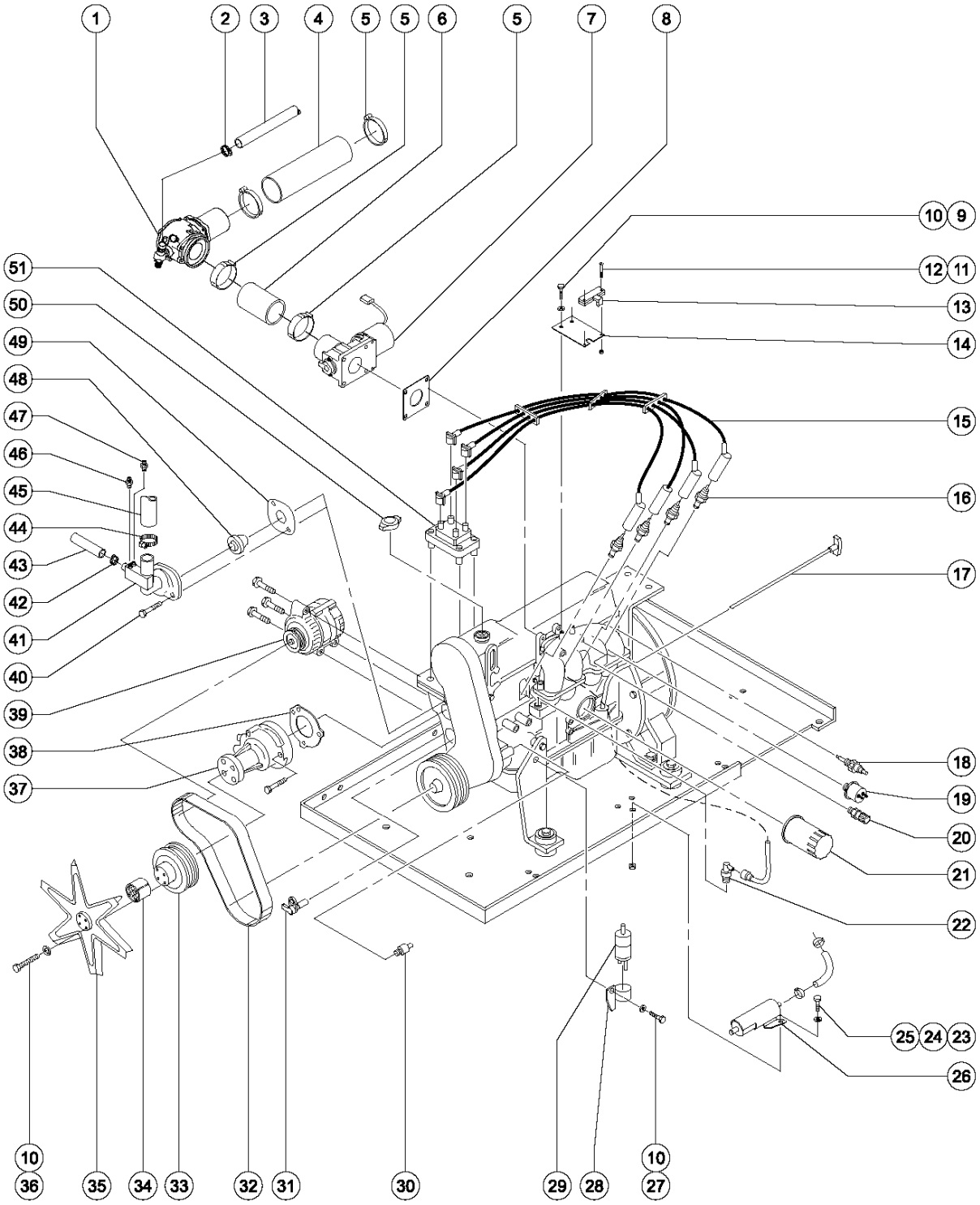
401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)



401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)

Item	Part No.	Description	Qty.
	65770GT	BELT,TIMING,FORD LRG423/425EFI	
1	81629GT	AIR VALVE MIXER*** for units without E-controls; consult factory prior to ordering	1
1-	58598GT	AIR VALVE MIXER for units upgraded to E-controls; consult factory prior to ordering	
1-	58599GT	DIAPHRAGM,AIR VALVE MIXER for units upgraded to E-controls; consult factory prior to ordering	
2	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	2
3	81631GT	HOSE,VAPOR,LP SPECIFIC	
4	30966-0575GT	HOSE,AIR INTAKE,2.25"IDX5.75"	1
5	30971GT	CLAMP,HOSE,3.00"	4
6	27211-0250GT	HOSE,AIR INTAKE,2.625"IDX2.50"	1
7A		ACTUATOR, FORD EFI PRECISION component no longer avaialable	1
7B	88451GT	THROTTLE ACTUATOR*(BOSCH) models with EFI update kit ONLY	
8	52579GT	GASKET,ADAPTER PLATE,425EFI***	1
9	23057GT	SCREW,HHC,M8 X 20MM	2
10	49408GT	WASHER, LOCK, M8	7
11	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25	2
12	6178GT	NUT, NYLOCK, 10-32	6
13	49898GT	MAP SENSOR, EFI	1
14	53821PGT	BRACKET,MAP SENSOR,PAINTED	1
15	52570GT	SPARK PLUG WIRE SET, LRG425EFI	1
16	28647GT	SPARK PLUG,FORD	4
16-	52656GT	FUEL INJECTOR, LRG-425 EFI	4
17	52566GT	DIPSTICK, OIL LEVEL,LRG425 EFI	1
18	34058GT	SENDING UNIT,TMP,FRD,GM,PRK704	1
19	30810GT	SENDING UNIT,OIL PRESSURE*** dual-terminal sender	1
20	52652GT	SENSOR,AIR TEMP,LRG-425 EFI***	1
21	28656GT	FILTER,OIL,FORD Genie genuine part	1
21-	1259054GT	FILTER, OIL, FORD Genie aftermarket	
22	33957GT	VALVE,PCV-FORD LRG***	1

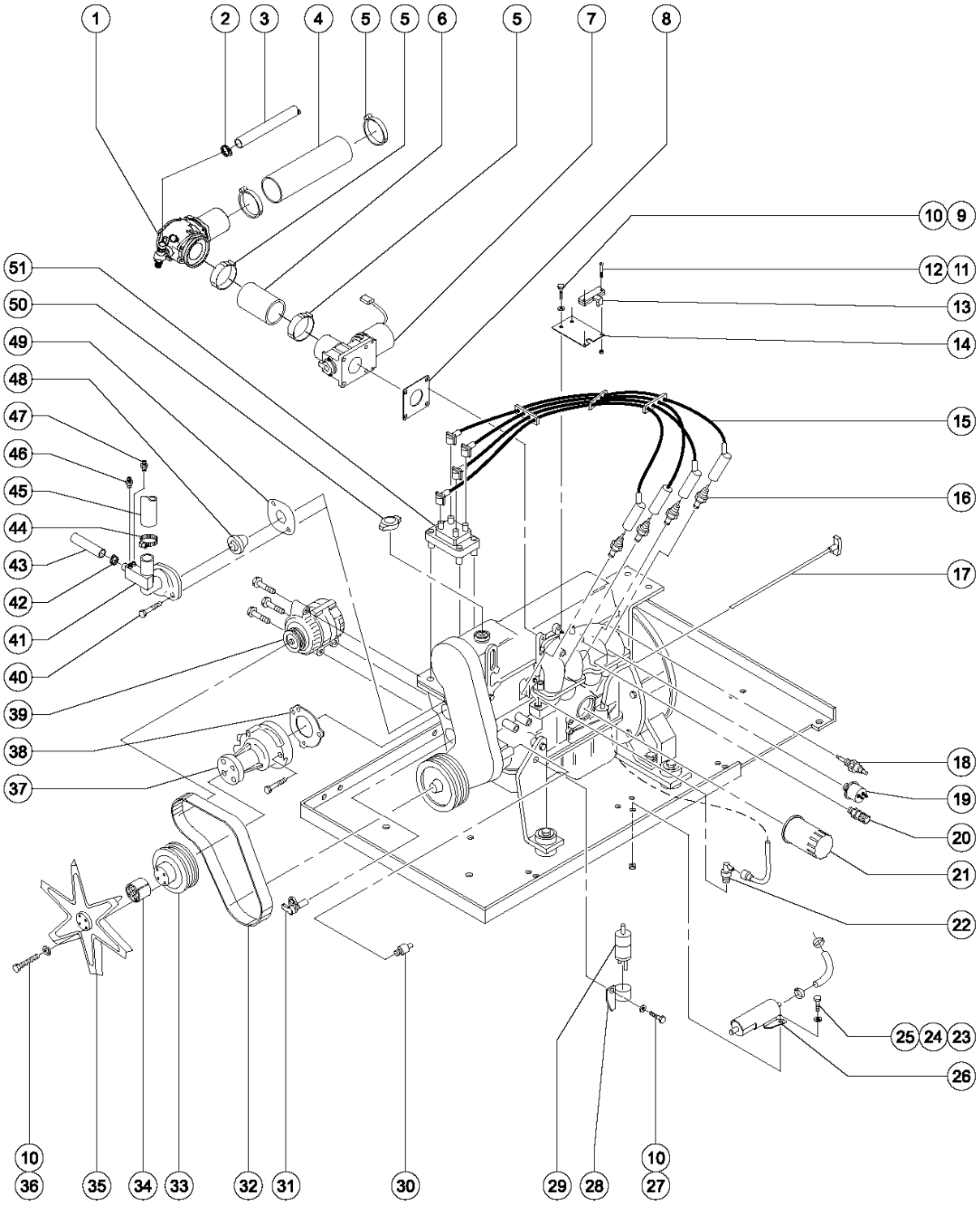
401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)



401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)

Item	Part No.	Description	Qty.
23	8915GT	SCREW, HHC, 1/4-20 X 1.25	3
24	6638GT	WASHER, FLAT, USS, 1/4"Y	3
25	6091GT	NUT,NYLOCK,1/4-20	3
26	81941GT	FUEL PUMP RELOCATION KIT	1
26B	77219GT	PUMP, FUEL, LRG425, WALBRO	1
27	25929GT	SCREW,HHC,M8 X 30MM,GRD 8.8	1
28	65453GT	BRACKET-FUEL FILTER (52567)	1
29	58967GT	FUEL PRESSURE REG,425EFI***	1
30	58900GT	SENSOR,CAM,EFI***	1
31	33968GT	SENSOR, CRANK POSITION	1
32	52580GT	BELT,SERPENTINE,LRG425 EFI***	1
33	52078GT	PULLEY,FORD ENGINE,LRG-423***	1
34	52077GT	SPACER,FAN TO WATERPUMP LRG423	1
35		FAN, LSG423/LRG425 (52076) component no longer available	1
36	32309GT	SCREW,HHC,M8 X 60MM X 1.25	4
37	33963GT	PUMP, WATER, WITH GASKET	1
38	33964GT	GASKET, WATER PUMP	1
39	33960GT	ALTERNATOR,LRG-423 RE-BUILT*	1
40	65454GT	BOLT-FLANGE,M6 X 22MM(52573)	2
41	52573GT	THERMOSTAT HOUSING, LRG425 EFI	1
42	36208GT	CLAMP,HOSE,1.25***	1
43	52762GT	HOSE,WATER INLET,LRG425 EFI	1
44	22672GT	CLAMP,HOSE,1.75	1
45	33965GT	HOSE, UPPER RADIATOR	1
46	65456GT	SENDING UNIT-H20TMP LRG425EFI*	1
47	65456GT	SENDING UNIT-H20TMP LRG425EFI*	1
48	33966GT	THERMOSTAT, FORD LRG	1
49	52575GT	GASKET,THERM.HSNG O-RING	1

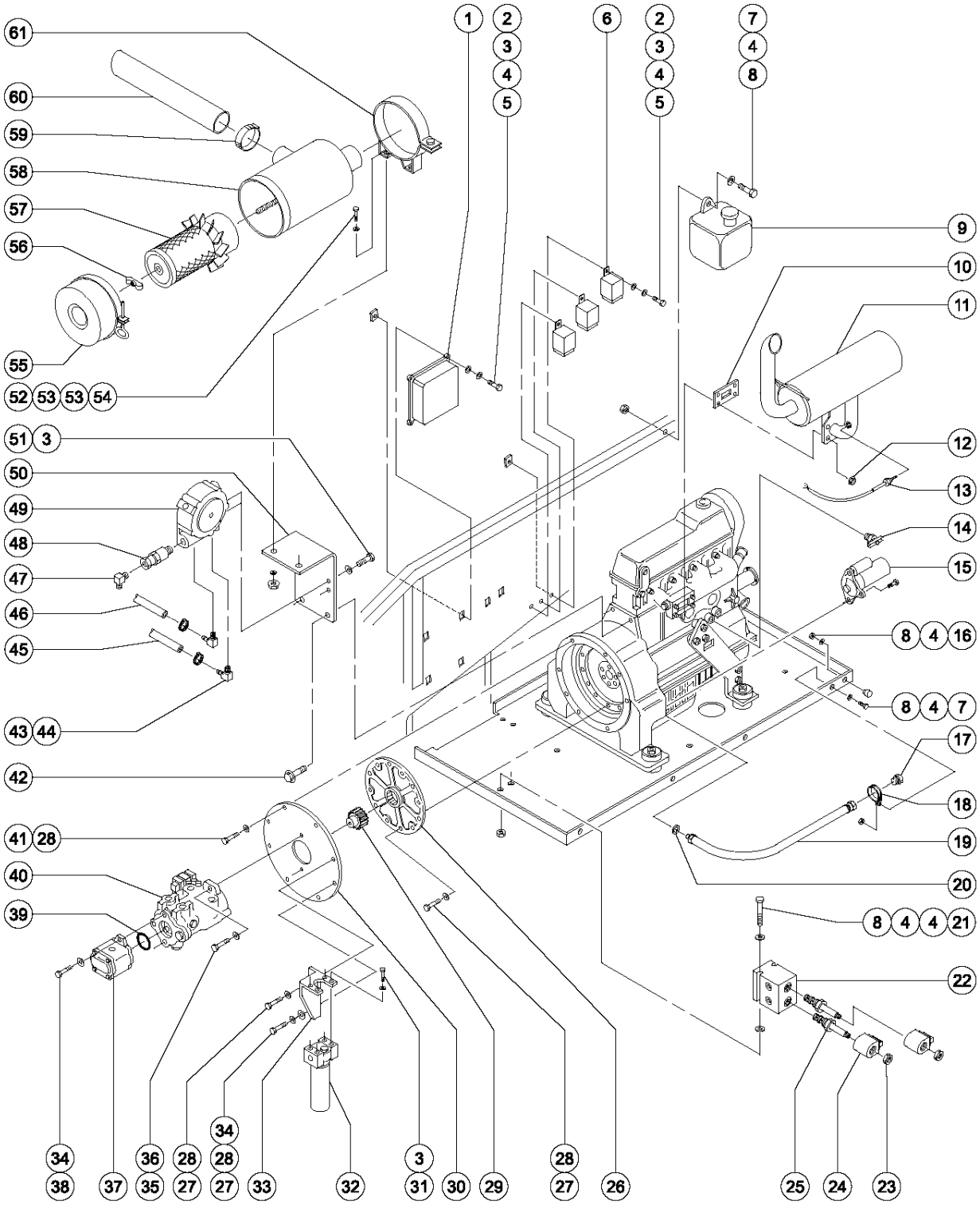
401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)



401.2 Ford LRG-425 EFI Engine - View 1 (from SN 2972)

Item	*Part No.*	*Description*	*Qty.*
50	49881GT	OIL FILLER CAP FOR LRG ENGINE	1
51	33970GT	COIL, ELECTRONIC IGN., FORD	1

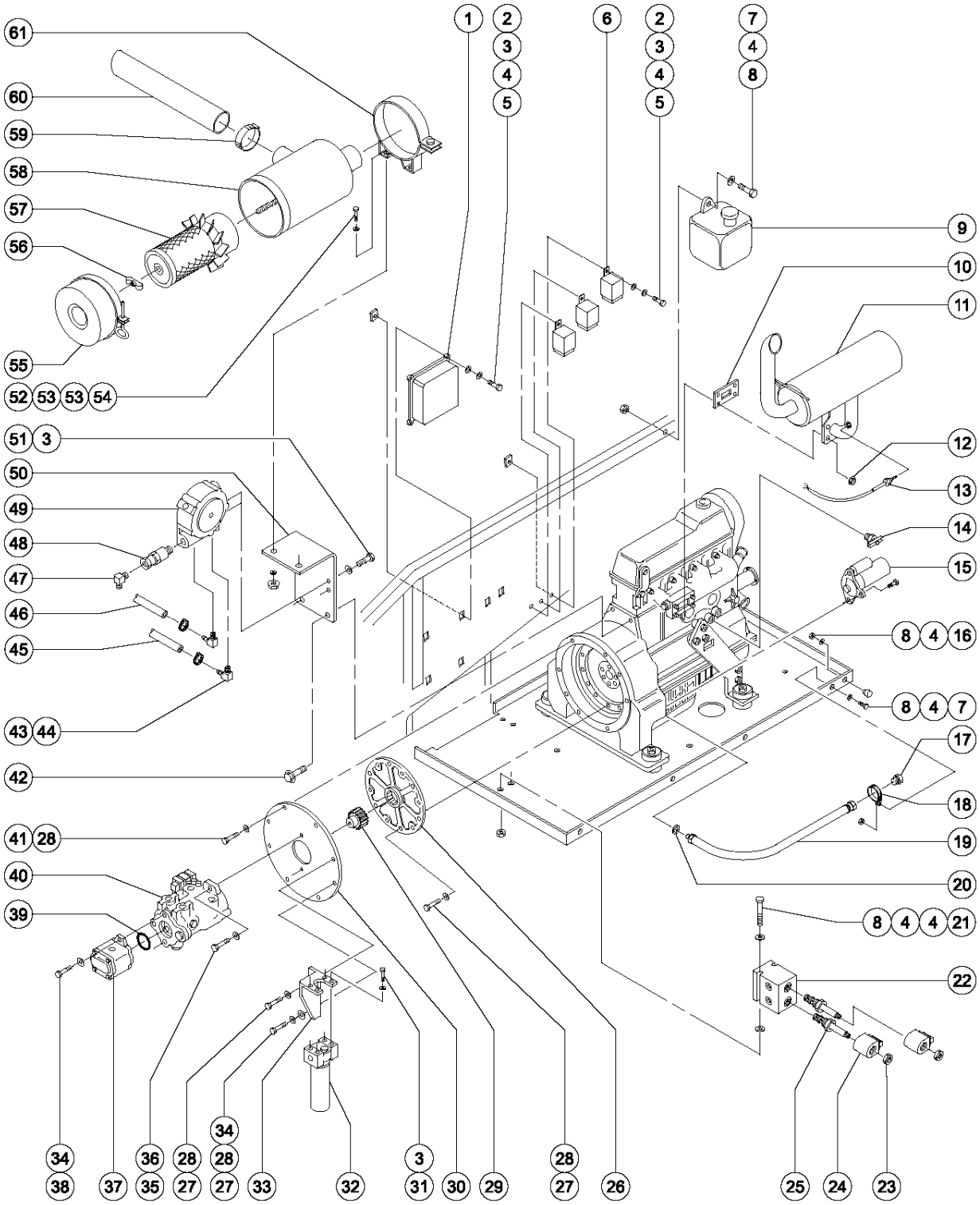
402.1 Ford LRG-425 EFI Engine - View 2



402.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
1		KIT,FORD EFI UPDATE,BASE*** (contact Genie Parts Sales with full model and SN of both the unit and engine),(no longer available)	1
1-	88448GT	HARNESS,FORD LRG 425 EFI***** complete engine harness, requires part 128903	1
1-	128903GT	JUMPER,THROTTLE BODY,FORD 2.5L required for harness 88448	
2	6888GT	SCREW, HHC, 1/4-20 X 1	7
3	6356GT	WASHER,LOCK,.25	13
4	6638GT	WASHER, FLAT, USS, 1/4"Y	14
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	7
6	52592GT	RELAY - LRG425 EFI	3
7	8915GT	SCREW, HHC, 1/4-20 X 1.25	2
8	6091GT	NUT,NYLOCK,1/4-20	5
9	1279268GT	BOTTLE, COOLANT RECOVERY, 2QT includes cap	1
10	27142GT	GASKET,EXHAUST***	1
11	77885GT	MUFFLER,FORD LRG S40-60-80***	1
12	35818GT	NUT,EXHAUST MANIFOLD-FORD,LRG	4
13	52564GT	SENSOR,O2,LRG 425 EFI***	1
14	28717GT	VALVE,DRAIN,FORD,BLOCK,RAD.	1
15	29616GT	STARTER,ENGINE,FORD LSG/LRG***	1
15	29606GT	RING GEAR,FORD*** FITS LSG-LRG 423, AND LRG425	
16	34619GT	BUMPER,RUBBER***	1
17	63426GT	PLUG,070109-8	1
18	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	1
19	63427GT	HOSE ASSY,FORD OIL DRAIN 1/2"	
20	53910GT	GASKET, FORD OIL DRAIN	1
21	4266GT	SCREW,HHC,1/4-20 X 2	2
22	81024GT	MANIFOLD,BRAKE/2 SPD includes index numbers 23 through 25; from SN 2745	1
22-	42157GT	MANIFOLD,BRAKE/MOTOR SHIFT includes index numbers 23 through 25; to SN 2744	1
23	45912GT	NUT,SOLENOID VALVE 2P3W	2
24	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* from SN 2745	2

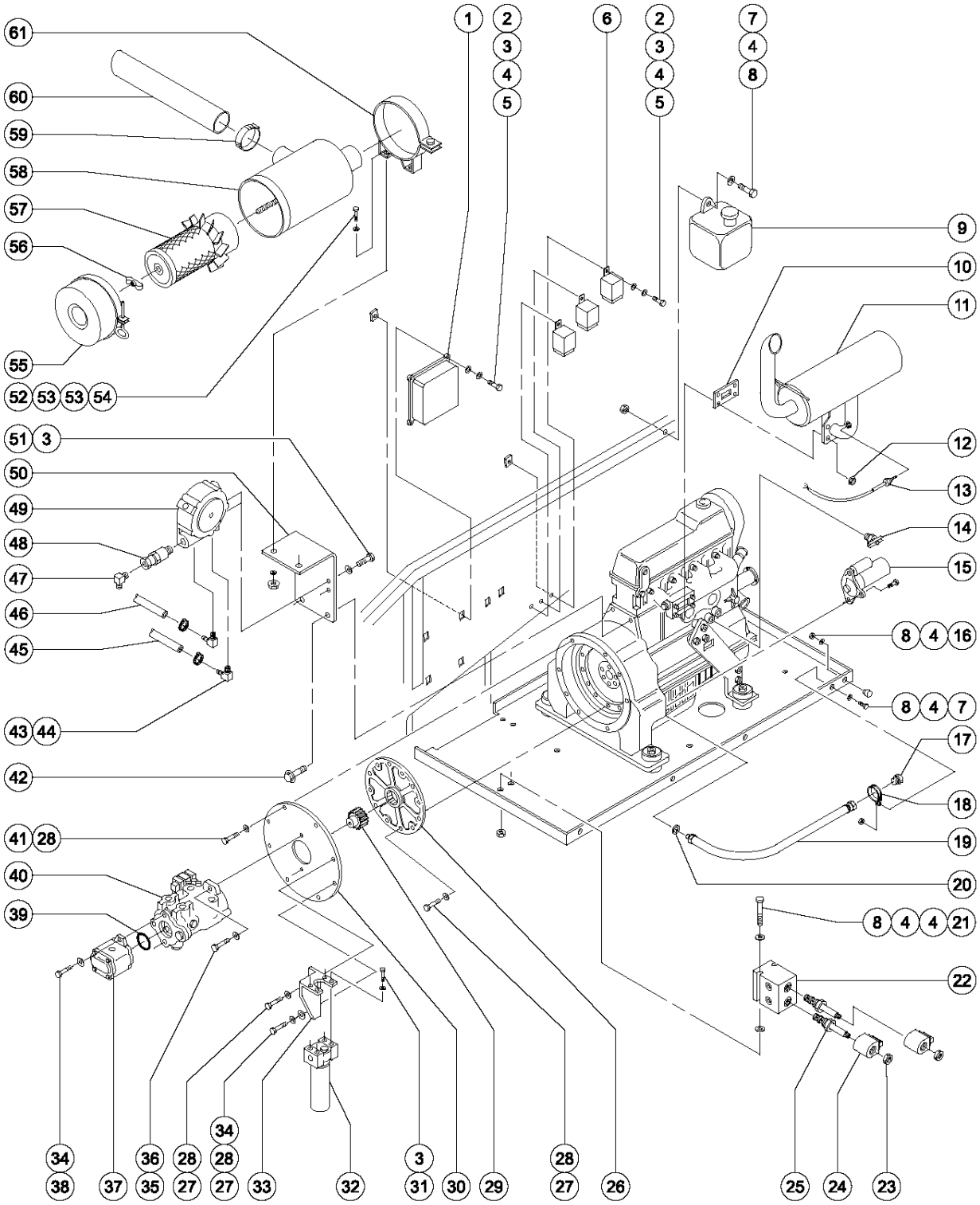
402.1 Ford LRG-425 EFI Engine - View 2



402.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
24-	43601GT	COIL,SOLENOID VLV,10V W/ DIODE to SN 2744	2
25	65766GT	VALVE,SOLENOID,10V W/DIODE*** includes index numbers 23 and 24; from SN 2745	2
25-	65766GT	VALVE,SOLENOID,10V W/DIODE*** includes index numbers 23 and 24; to SN 2744	2
26	33024GT	FLYWHEEL FLANGE,GREEN PLASTIC	1
27	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	10
28	6021GT	WASHER, LOCK, .375	20
29	37002GT	COUPLER,HUB,15 TOOTH 7/16BOLT*	1
30	25571P-SGT	PLATE,PUMP MOUNT,FORD,PAINTED	1
31	7339GT	SCREW,HHC,1/4-20 X .5	4
32		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
32-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
32-	20880GT	FILTER ELEMENT-10 MIC.*** for 20879 (no longer available)	1
32A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
32A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
33	30230P-SGT	FILTER MOUNT BRACKET	1
34	6097GT	WASHER, FLAT, USS, 3/8", Y	3
35	22788GT	SCREW,HHC,1/2-13 X 1.75	2
36	6033GT	WASHER,LOCK,0.5"	2
37	53959GT	PUMP,LIFT 1.403 C.I.***	1
37-	58228GT	SEAL KIT***	1
38	33988GT	SCREW,SHC,3/8-16 X 1	2
39	29436GT	O-RING***	1
40	37027GT	PUMP,VAR PISTON,2.8 C.I.***	1
40-	46674GT	PUMP,VAR.PISTON M46 2.8 CIQVP*	1
40-	22965GT	EDC ASSY,SAUER,M46***	1
40-	65843GT	SEAL KIT, EDC use for EDC ASSY 22965	1
40-	58289GT	VALVE,EDC,PILOT,SAUER,M46 use for EDC ASSY 22965	
40-	72292GT	O-RING KIT,EDC CONTROLLER use for EDC ASSY 22965	

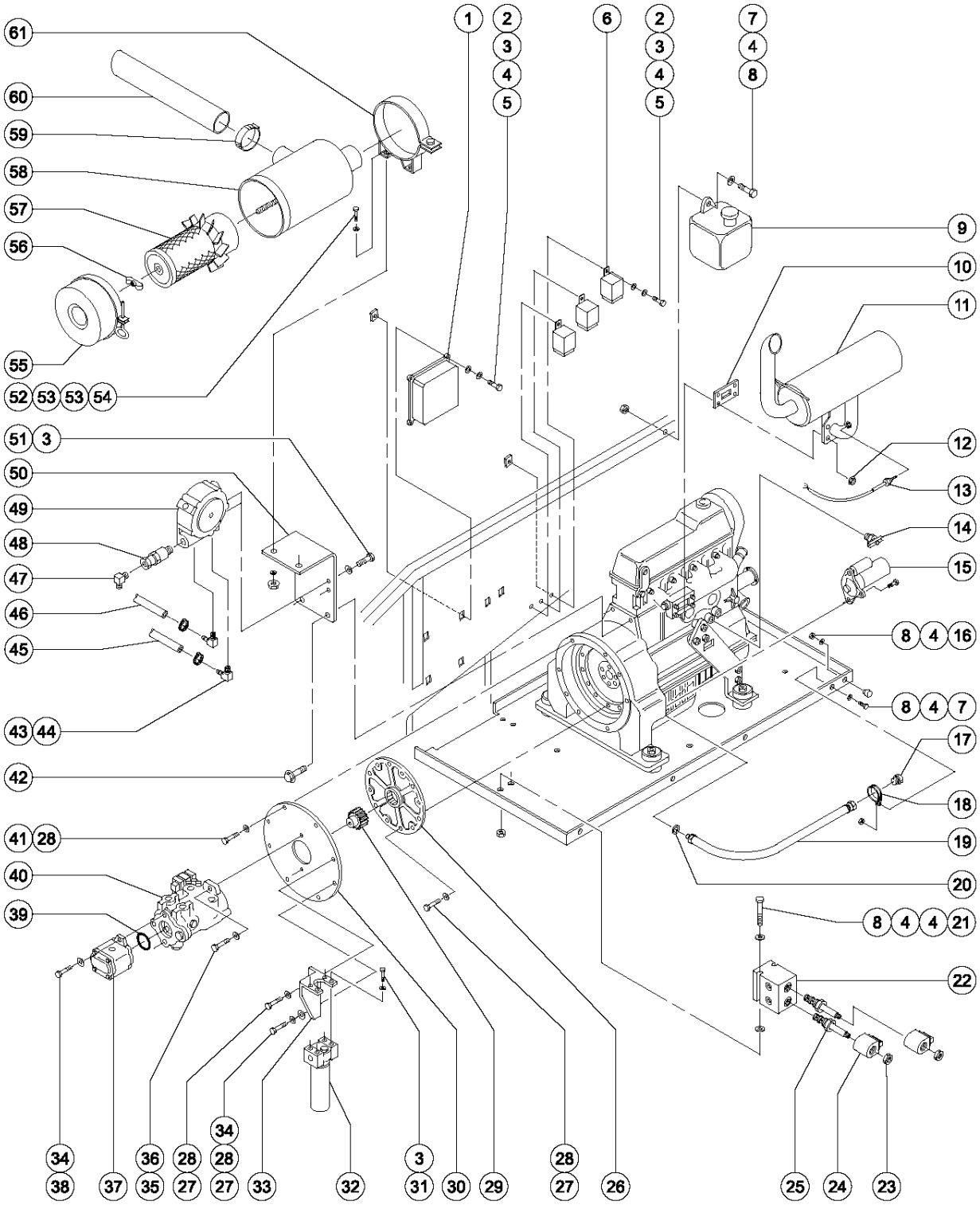
402.1 Ford LRG-425 EFI Engine - View 2



402.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
40-	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
40-	32611GT	SHAFT,M46 15 TOOTH	1
40-	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
40-	72290GT	SNAP RING(M46 UNITS)*	1
41	6175GT	SCREW,HHC,3/8-16 X 1	8
42	53024GT	SCR,M 10X40 LG HEX FLG. SERR.	2
43	37017GT	HOSE END,90DEG,.63 HS X.25 MPT	2
44	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	2
45	52762GT	HOSE,WATER INLET,LRG425 EFI	1
46	53832GT	HOSE,FIRE RES.,5/8 ID,BULK	
47	36203GT	ELBOW,90DEG.3/8MPT-5/8 BARB	1
48	27010GT	VALVE,LOCK OFF,BEAM #FL-418	1
49	22279GT	REGULATOR,LPG BEAM 60*** to SN 2971	1
49-	24470GT	REGULATOR DIAPH.KIT BEAM 50/60 to SN 2971	1
49-		REGULATOR,LP,MODEL J NOLFF 81630GT no longer available from supplier	1
49-	75471GT	REGULATOR DIAPH.KIT NOLFF,MDLJ from SN 2972	1
49A	102119GT	HOSE,3/4,LP from regulator to mixer	as needed
50	48473P-SGT	BRACKET,AIR FILTER,FORD GAS PT	1
51	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 2948	2
51-	6888GT	SCREW, HHC, 1/4-20 X 1 to SN 2947	2
52	13002GT	SCREW,HHC,5/16-18 X 1 GR5 from SN 2948	2
52-	219437GT	ISOLATOR,VIBRATION to SN 2947	2
53	5397GT	WASHER, FLAT, USS, 5/16-18	4
54	6782GT	NUT, NYLOCK, 5/16-18 from SN 2948	2
54-	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18 to SN 2947	4
55	58917GT	END CAP,AIR FILTER-27915&49740	1
56	52658GT	NUT - WING, AIR FILTER, 425EFI	1

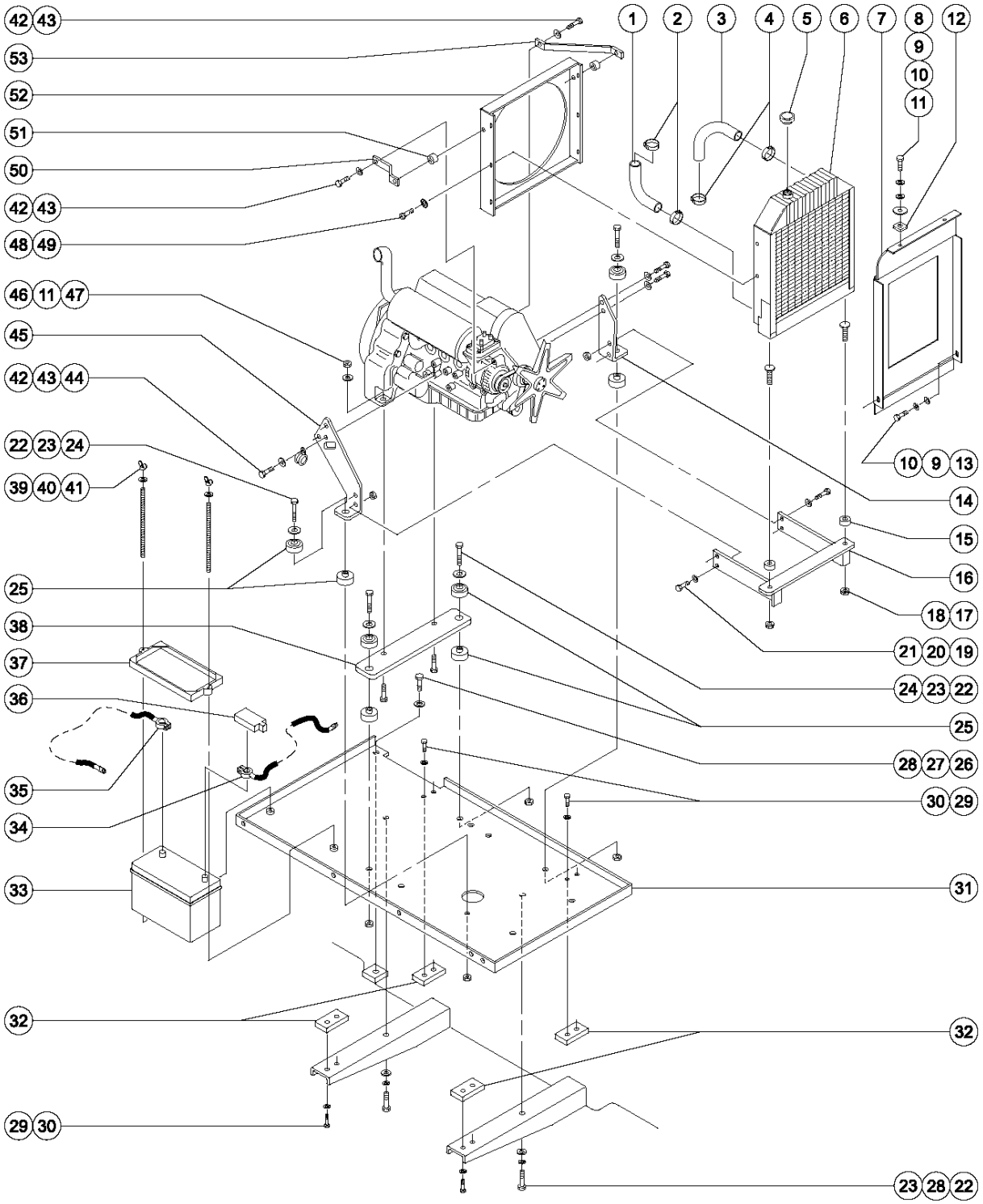
402.1 Ford LRG-425 EFI Engine - View 2



402.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
57	27916GT	FILTER,AIR,ELEMENT***	1
58	49740GT	AIR CLEANER,FORD EFI***	1
59	30971GT	CLAMP,HOSE,3.00"	1
60	53124GT	HOSE,AIR INT.2.5 IDX12" W/450	1
61	53952GT	BRKT,AIR CLEANER ORIENTATION**	1

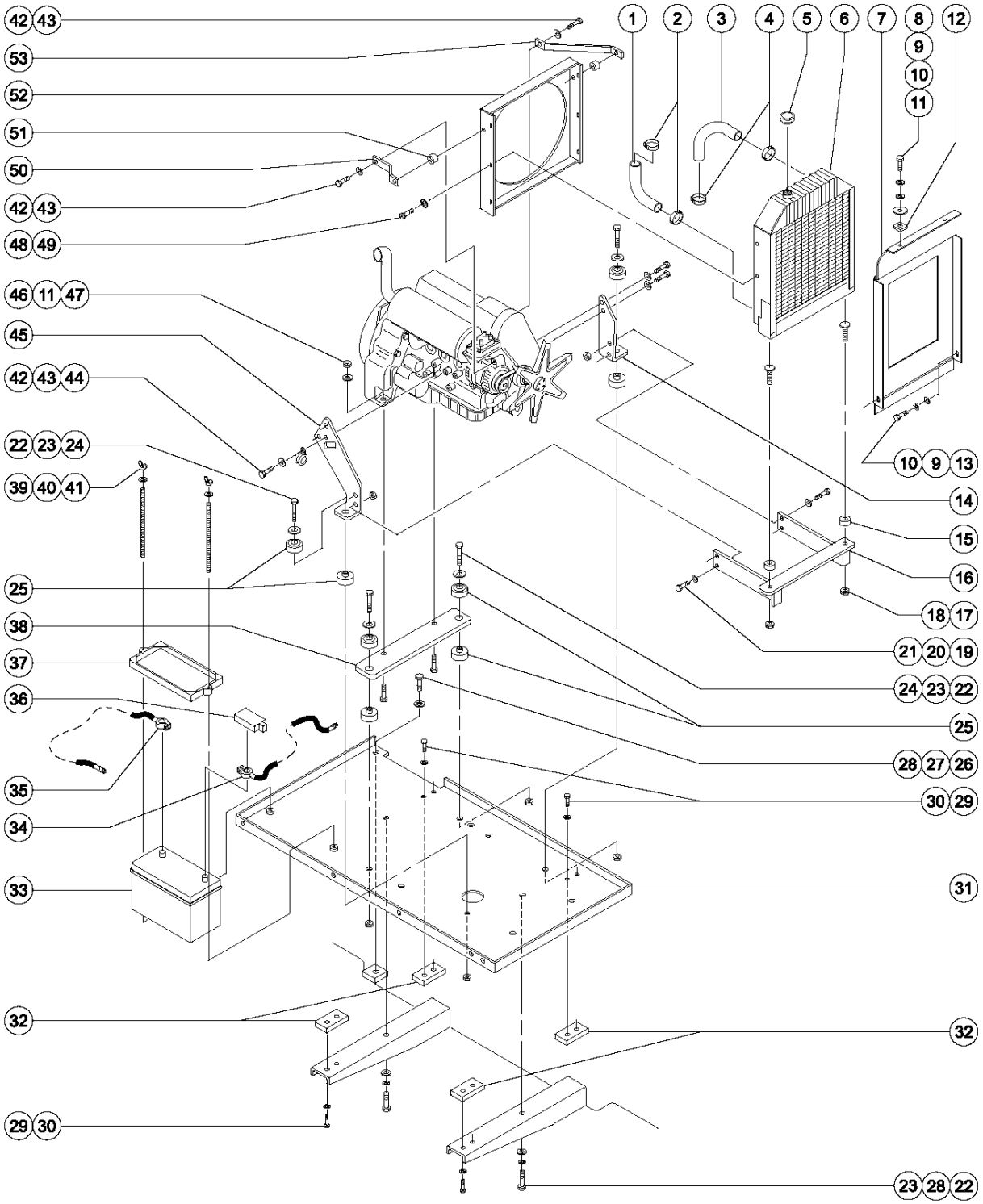
403.1 Ford LRG-425 EFI Engine - View 3



403.1 Ford LRG-425 EFI Engine - View 3

Item	Part No.	Description	Qty.
1	77170GT	HOSE,LOWER RADIATOR,Z45	1
2	13014GT	CLAMP,HOSE,2.25" DIA.	2
3	33965GT	HOSE, UPPER RADIATOR	1
4	45171GT	CLAMP,HOSE,1.75,LINED	2
5	27943GT	CAP,RADIATOR,FORD***	1
6	33969GT	RADIATOR,FORD,LRG	1
6-	28717GT	VALVE,DRAIN,FORD,BLOCK,RAD.	1
7	49610PGT	BAFFLE,AIR,FORD,PAINTED GRAY	1
8	6708GT	SCREW,HHC,3/8-16 X 2.25	2
9	6021GT	WASHER, LOCK, .375	4
10	5397GT	WASHER, FLAT, USS, 5/16-18	4
11	6095GT	WASHER,FLAT,USS,1/2",Y	4
12	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	2
13	6175GT	SCREW,HHC,3/8-16 X 1	2
14	53425-SGT	WELDMENT,RH,ENGINE MOUNT	1
15	24038GT	SHOCK MOUNT,SMALL	2
16	34929-SGT	WELDMENT,RADIATOR MOUNT LRG423	1
17	48425GT	NUT,FLG-LRG,3/8-16,YZ	2
18	60790GT	BOLT,CARRIAGE,3/8-16 X1.50,G5	2
19	8516GT	SCREW, HCC, 3/8-16 X 1.50	4
20	6097GT	WASHER, FLAT, USS, 3/8", Y	4
21	4828GT	NUT, NYLOCK, 3/8-16	4
22	53909GT	SCREW,HHC,5/8-11 X 4.0 GR8 from SN 2513	4
22-	21175GT	SCREW,SHC,5/8-11 X 4,A574 to SN 2512	4
23	33418GT	WASHER,FLAT,.625 X 2.25 X.15	4
24	6024GT	NUT,NYLOCK,5/8-11	4
25	28076GT	ISOLATOR,VIBRATION,LG,RD&WH***	4
26	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	3

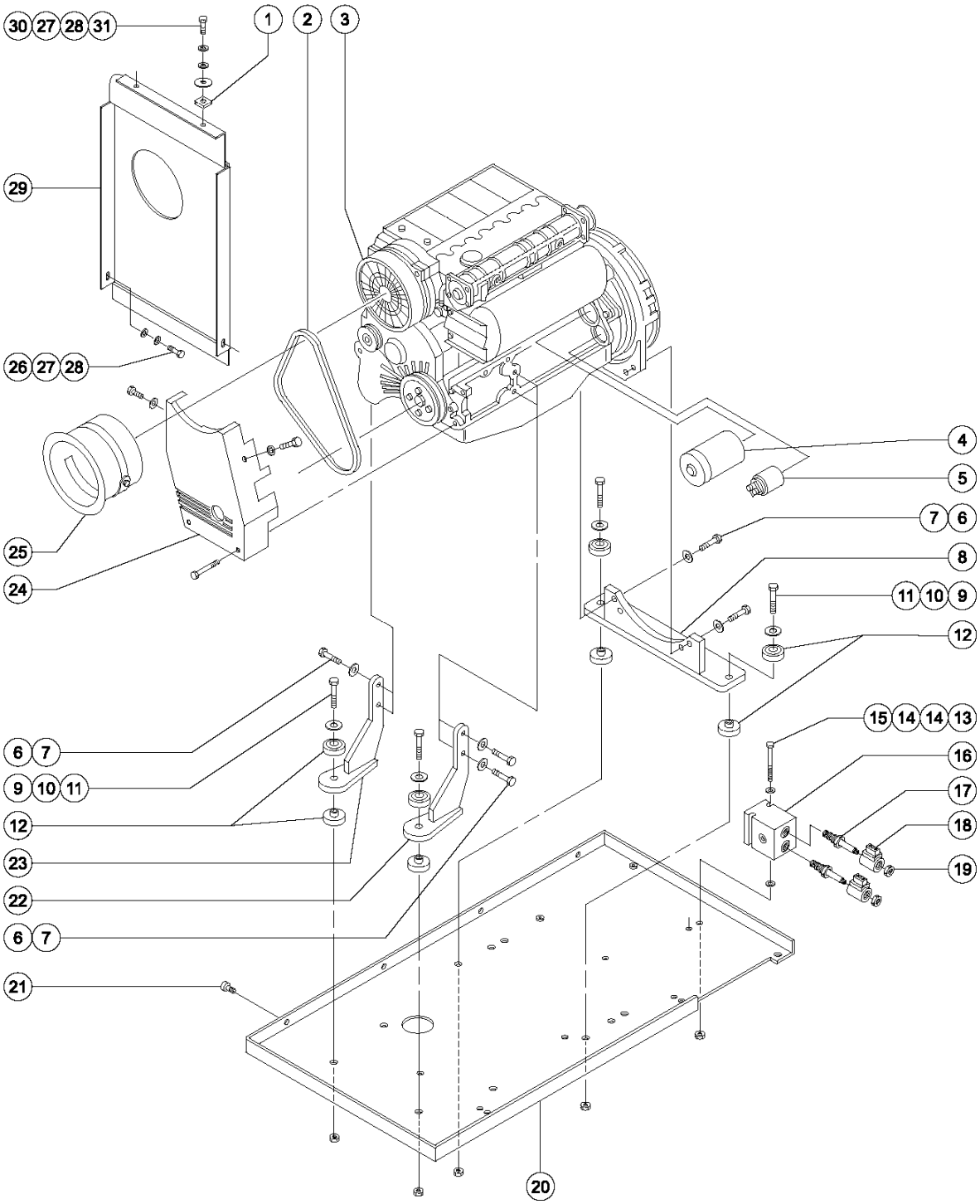
403.1 Ford LRG-425 EFI Engine - View 3



403.1 Ford LRG-425 EFI Engine - View 3

Item	Part No.	Description	Qty.
27	13064GT	WASHER,FLAT,.625 HARDENED	3
28	6036GT	WASHER,LOCK,.625 PLTD	3
29	6090GT	SCREW, HHC, 1/4-20 X .75	8
30	6356GT	WASHER,LOCK,.25	8
31	30679-SGT	WELDMENT, ENGINE MODULE PLATE	1
32	45209GT	WEAR PAD,4X2X.5 W/INSERT***	4
33	1303581GT	BATTERY, 12V, 950CCA, FLA	1
34	30891GT	BATT.CABLE,00,POS.,RED,50"	1
35	122058GT	BATTERY CABLE,1/0 GA,BLK 30"	1
36	18189GT	BOOT,BATTERY TERMINAL,RED	1
37	30144GT	BATTERY HOLD DOWN,GROUP 31	1
38	28234P-SGT	PLATE,ENGINE MOUNT,PAINTED	1
39	8170GT	NUT,WING,1/4-20	2
40	6638GT	WASHER, FLAT, USS, 1/4"Y	2
41	30784-975GT	THREADED ROD,(1/4-20),9.75	2
42	27034GT	SCREW,HHC,M10 X 25MM,GR 8.8	7
43	22700GT	WASHER,LOCK,M10	7
44	32339GT	CLAMP,1.75,#28 X 3/8,RUB CUSH*	2
45	53290-SGT	WELDMENT,RH,ENGINE MOUNT	1
46	6198GT	NUT, NYLOCK, 1/2-13	2
47	10598GT	SCREW,HHC,1/2-13 X 3	2
48	73612GT	SCREW,PHM,10-24X.50,SELF TAP	6
49	73613GT	WASHER,STAR,#10,PLTD	6
50	34942P-SGT	STRUT,RH,FORD RADIATOR,PAINT replaced by 34942PGT	1
50B	34942PGT	STRUT,RH,FORD RADIATOR,PAINT**	1
51	219437GT	ISOLATOR,VIBRATION	2
52	34927P-SGT	SHROUD,RADIATOR LRG 423 BLUE**	1
53	34943P-SGT	MOUNT,RAD.SUPPT,LH,BLUE	1

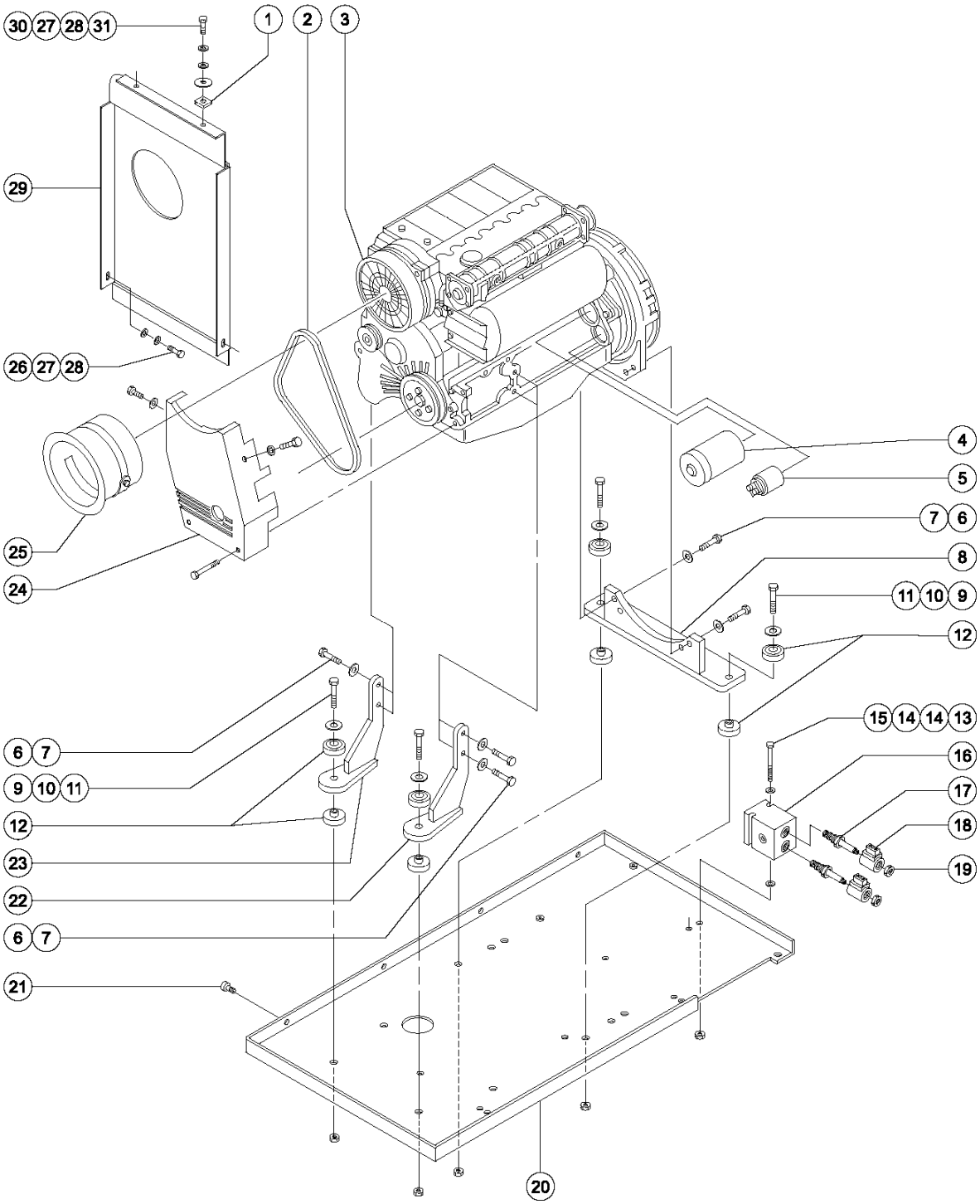
404.1 Deutz F4L 1011F Engine - View 1



404.1 Deutz F4L 1011F Engine - View 1

Item	Part No.	Description	Qty.
1	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	2
2	32698GT	BELT	1
3	35586GT	ALTERNATOR, DEUTZ F3L10/F4L10*	1
4	37950GT	STARTER,DEUTZ,F4L1011F/F3L1011 11 tooth; inspect old starter before ordering (includes item 5)	1
4	139709GT	STARTER, 12V 9 tooth; inspect old starter before ordering (includes item 5)	
5	49915GT	SOLENOID-STARTR DEUTZF4L1011F*	1
6	34265GT	SCREW,HHC,M14 X 55	8
7	37505GT	WASHER,LOCK,M14	8
8	29550GT	WELDMENT,DEUTZ ENGINE MOUNT	1
9	53909GT	SCREW,HHC,5/8-11 X 4.0 GR8 from SN 2513	4
9-	21175GT	SCREW,SHC,5/8-11 X 4,A574 to SN 2512	
10	33418GT	WASHER,FLAT,.625 X 2.25 X.15	4
11	6024GT	NUT,NYLOCK,5/8-11	4
12	28076GT	ISOLATOR,VIBRATION,LG,RD&WH***	4
13	6115GT	SCREW,HHC,1/4-20 X 3.5	2
14	6638GT	WASHER, FLAT, USS, 1/4"Y	4
15	6889GT	NUT,LP NYLOCK,1/4-20	2
16	42157GT	MANIFOLD,BRAKE/MOTOR SHIFT includes index numbers 17 through 19	1
17	65766GT	VALVE,SOLENOID,10V W/DIODE*** includes index numbers 18 and 19	2
18	43601GT	COIL,SOLENOID VLV,10V W/ DIODE	2
19	45912GT	NUT,SOLENOID VALVE 2P3W	2
20	30679-SGT	WELDMENT, ENGINE MODULE PLATE	1
21	34619GT	BUMPER,RUBBER***	1
22	32748GT	WELMENT,DEUTZ ENGINE MOUNT	1
23	32749GT	WELDMENT,DEUTZ ENGINE MOUNT	1
24	29555GT	COVER,FRONT DEUTZ ENGINE	1
25	35498GT	GUIDE RING W/RUBBER LIP	1
26	6175GT	SCREW,HHC,3/8-16 X 1	2

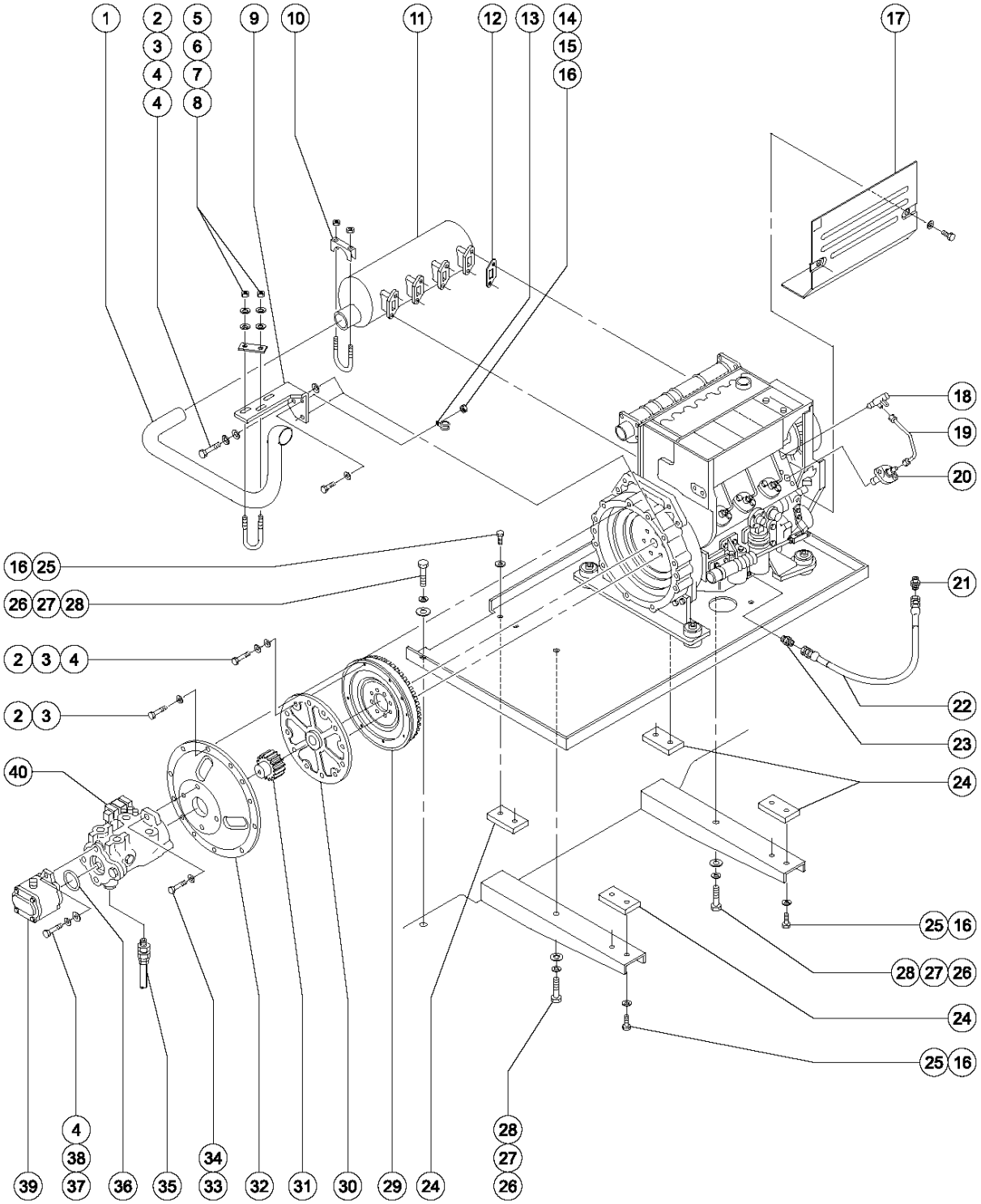
404.1 Deutz F4L 1011F Engine - View 1



404.1 Deutz F4L 1011F Engine - View 1

Item	Part No.	Description	Qty.
27	6021GT	WASHER, LOCK, .375	4
28	5397GT	WASHER, FLAT, USS, 5/16-18	4
29	49609PGT	BAFFLE,AIR,DEUTZ,PAINTED	1
30	6708GT	SCREW,HHC,3/8-16 X 2.25	2
31	6095GT	WASHER,FLAT,USS,1/2",Y	2

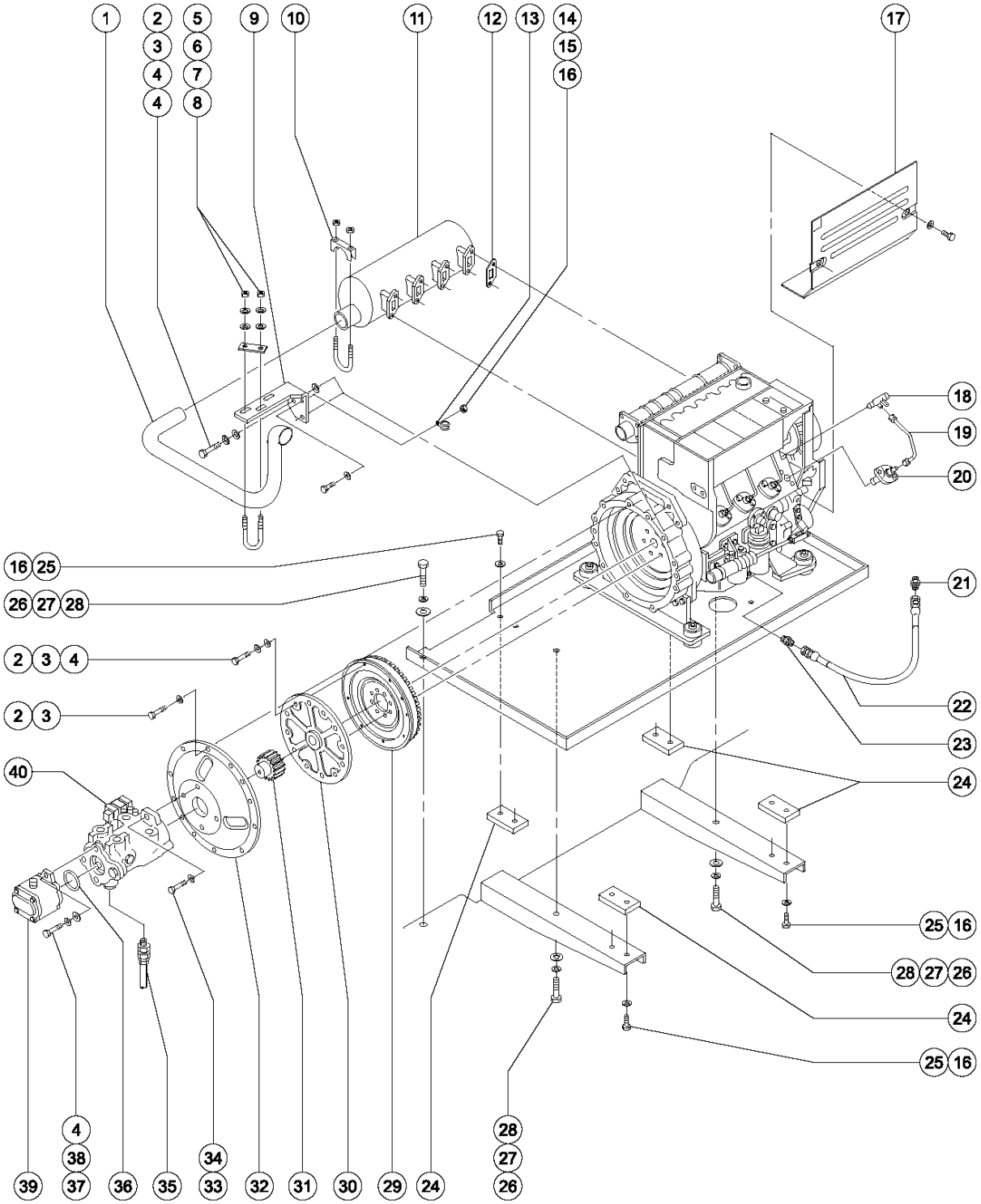
405.1 Deutz F4L 1011F Engine - View 2



405.1 Deutz F4L 1011F Engine - View 2

Item	Part No.	Description	Qty.
1	34551GT	EXHAUST,TAILPIPE,DEUTZ	1
2	44064GT	SCREW,HHC,M10 X 30MM,	26
3	22700GT	WASHER,LOCK,M10	26
4	6097GT	WASHER, FLAT, USS, 3/8", Y	16
5	6037GT	NUT,HEX,5/16-18,GR5	2
6	6886GT	WASHER,LOCK,.313	2
7	5397GT	WASHER, FLAT, USS, 5/16-18	2
8	16584GT	U-BOLT, KIT 5/16-18 X 2.5 *** includes index number 5	1
9	30674-SGT	WELDMENT,EXHAUST SUPPORT	1
10	30438GT	CLAMP,MUFFLER,2 1/4" ID. includes mounting fasteners	1
11	29558GT	MUFFLER**	1
11-	53867GT	SCRUBBER MUFFLER,DEUTZ,F4L1011	1
12	29559GT	GASKET,EXHAUST	4
13	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	1
14	6091GT	NUT,NYLOCK,1/4-20	1
15	6638GT	WASHER, FLAT, USS, 1/4"Y	1
16	6090GT	SCREW, HHC, 1/4-20 X .75	9
17	49916GT	COVER - DEUTZ F4L1011F	1
18	49919GT	INJECTOR - DEUTZ F4L1011F	4
19	49921GT	FUEL LINE INJ. DEUTZ F4L1011F	4
20	49929GT	INJECTOR PUMP - DEUTZ F4L1011F	4
21	109802GT	PLUG,ORB #6	1
22	49135-3389-SGT	HOSE ASSY 3/8"	1
23	49209GT	FITTING,M18X8,F87OMX	1
24	45209GT	WEAR PAD,4X2X.5 W/INSERT***	4
25	6356GT	WASHER,LOCK,.25	8
26	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	3
27	6036GT	WASHER,LOCK,.625 PLTD	3

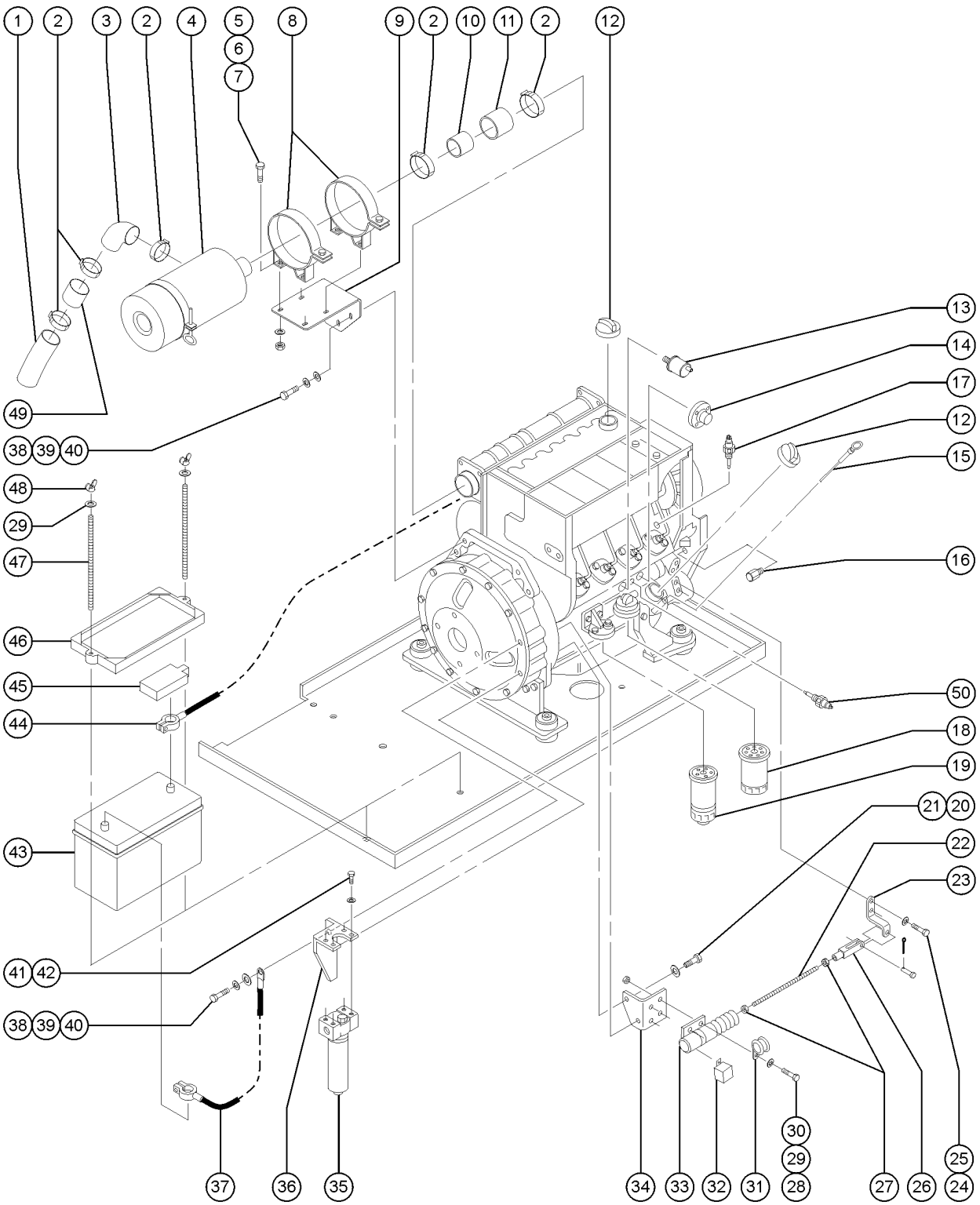
405.1 Deutz F4L 1011F Engine - View 2



405.1 Deutz F4L 1011F Engine - View 2

Item	Part No.	Description	Qty.
28	13064GT	WASHER,FLAT,.625 HARDENED	3
29	49917GT	RING GEAR,DEUTZ F3 & F4L1011F* (please verify ring gear thickness) 0.46 inches	1
29-	33729GT	RING GEAR,DEUTZ F3 & F4L1011* (please verify ring gear thickness) 0.365 inches	1
29-	89785GT	RING GEAR,DEUTZ F3L2011F (please verify ring gear thickness) 0.6 inches	1
30	33024GT	FLYWHEEL FLANGE,GREEN PLASTIC	1
31	37003GT	COUPLER,HUB,15 TOOTH 7/16BOLT*	1
32	30806GT	FLYWHEEL COVER,CASTING***	1
33	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
34	6033GT	WASHER,LOCK,0.5"	2
35		Ref. Hydraulic Hoses and Fittings (refer to Figures 513.1 or 513.2)	2
36	29436GT	O-RING***	1
37	6175GT	SCREW,HHC,3/8-16 X 1	2
38	6021GT	WASHER, LOCK, .375	2
39	53959GT	PUMP,LIFT 1.403 C.I.***	1
39-	58228GT	SEAL KIT***	1
40	37027GT	PUMP,VAR PISTON,2.8 C.I.***	1
40-	46674GT	PUMP,VAR.PISTON M46 2.8 CIQVP*	1
40-	22965GT	EDC ASSY,SAUER,M46***	1
40-	58289GT	VALVE,EDC,PILOT,SAUER,M46 use for EDC ASSY 22965	
40-	72292GT	O-RING KIT,EDC CONTROLLER use for EDC ASSY 22965	
40-	65843GT	SEAL KIT, EDC use for EDC ASSY 22965	1
40-	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
40-	32611GT	SHAFT,M46 15 TOOTH	1
40-	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
40-	72290GT	SNAP RING(M46 UNITS)*	1

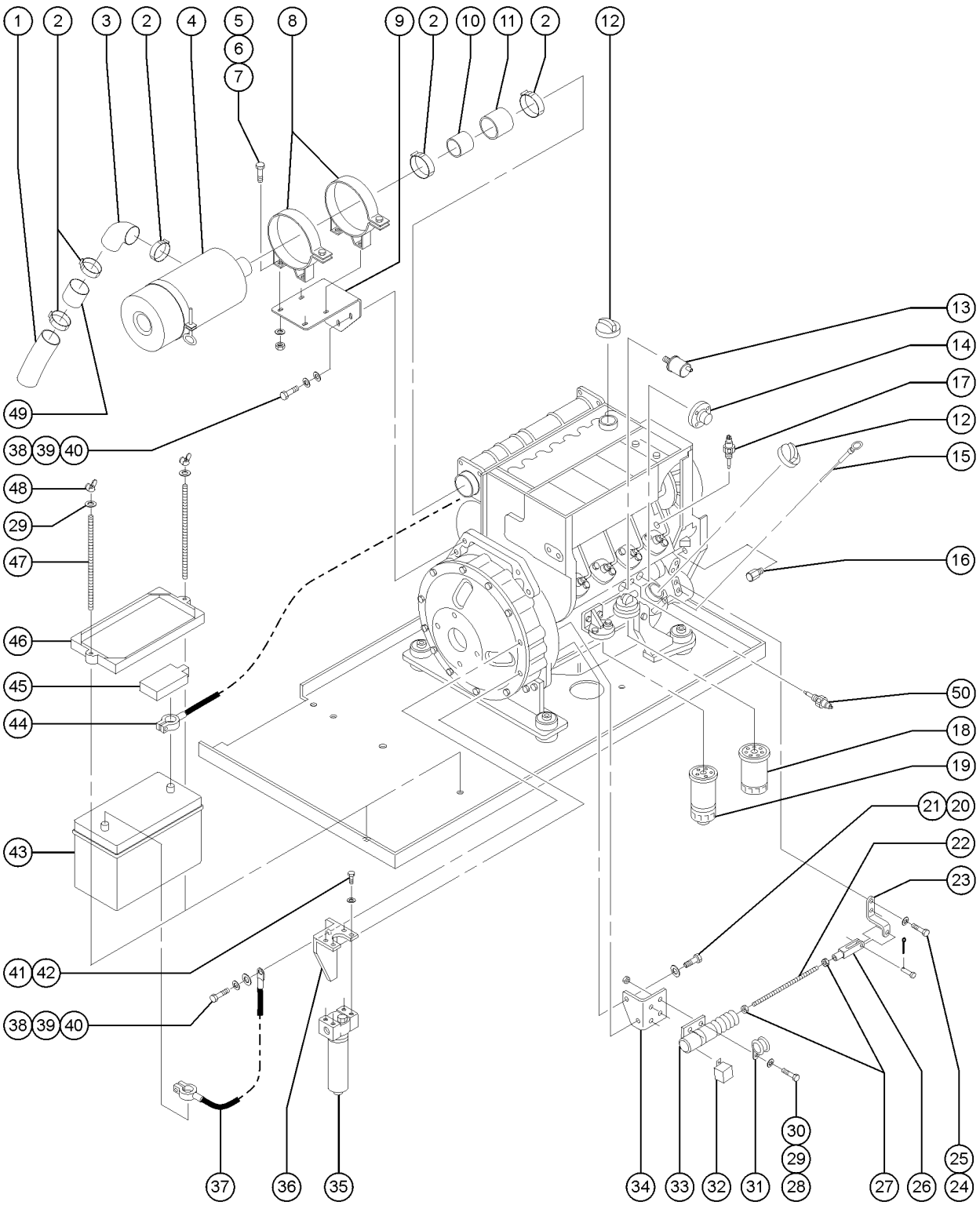
406.1 Deutz F4L 1011F Engine - View 3



406.1 Deutz F4L 1011F Engine - View 3

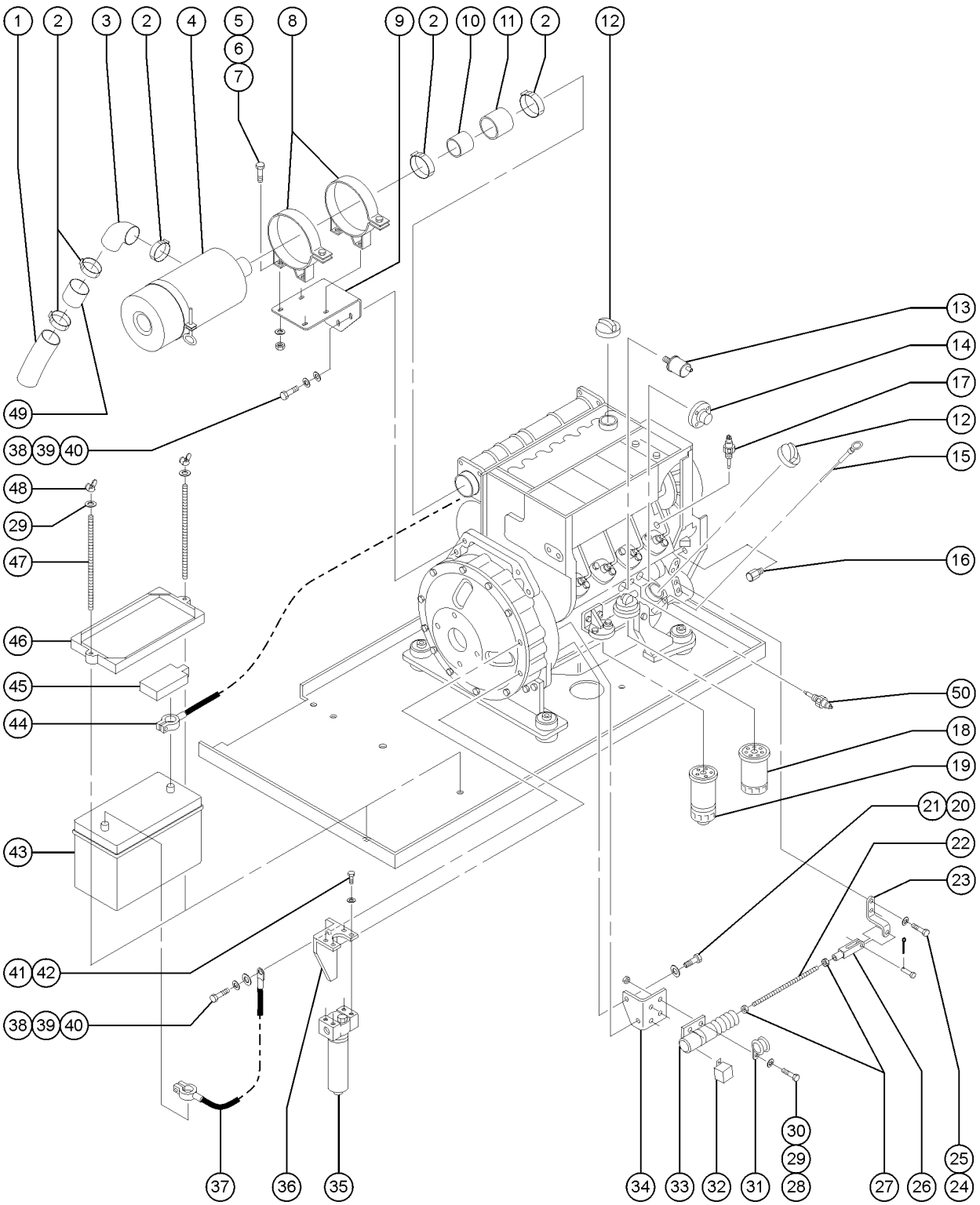
Item	Part No.	Description	Qty.
1	34162-3150GT	HOSE,AIR INTAKE 2.5" I.D.	1
2	53945GT	CLAMP,HOSE 2 5/16-3 1/4	5
3	34164GT	ELBOW,90 DEGR,RUBBER,2.5"I.D.*	1
4	27915GT	AIR CLEANER to 2776, does NOT include mounting bands	1
4-	27916GT	FILTER,AIR,ELEMENT*** to 2776	1
4-	58917GT	END CAP,AIR FILTER-27915&49740 to 2776	1
4-	65815GT	CLAMP, AIR CLEANER (27915)** clamp that holds the end cap on	1
4-	52658GT	NUT - WING, AIR FILTER, 425EFI to 2776	1
4-	63463GT	AIR CLEANER,NELSON*** from 2777	1
4-	58415GT	CLIP,AIR CLEANER END CAP*** end cap not available separately	
4-	62420GT	FILTER, AIR D2.9L4	
4-	65810GT	BAFFLE, AIR CLEANER (27915)**	
4-	52866GT	EVACUATOR VALVE-AIR CLEANER	
5	13002GT	SCREW,HHC,5/16-18 X 1 GR5	4
6	5397GT	WASHER, FLAT, USS, 5/16-18	4
7	6002GT	NUT, LP NYLOCK, 5/16-18	4
8	53952GT	BRKT,AIR CLEANER ORIENTATION**	2
9	30769P-SGT	BRACKET,AIR CLEANER MTG.PAINT	1
10	30966GT	HOSE,AIR INTAKE 2.25" I.D. to SN 2776	1
11	30967GT	HOSE,AIR INTAKE 2.75" I.D.***	1
12	29557GT	CAP,OIL FILLER,DEUTZ,DIESEL***	2
13	37033GT	SENDING UNIT,OIL PRESS.,DEUTZ* single-terminal sender	1
14	49923GT	PUMP, FUEL LIFT, F4L1011F	1
15	52352GT	DIPSTICK-F3L1011F (DEUTZ)	1
16	T114678GT	SHUTDOWN SOLENOID,12V, DEUTZ (must order cable assembly, 58256, if replacing solenoid 32752) (includes o-ring)	1
16-	72255GT	CONNECTOR, DEUTZ FUEL SHUTOFF*	1
16-	58256GT	SOLENOID CABLE ASSY*** (this part works with solenoid 32752)	
17	34059GT	SENDING UNIT,OIL TEMP.	1

406.1 Deutz F4L 1011F Engine - View 3



Item	Part No.	Description	Qty.
18	49924GT	FILTER,OIL,DEUTZ Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.	1
18-	1255653GT	FILTER,OIL,DEUTZ,REPLACEMENT Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.	1
19	29560GT	FILTER,FUEL/WTR SEP, DTZ 1008 Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.	1
19-	1254826GT	FUEL FILTER W/SEP,DEUTZ,1008 Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.	1
20	23057GT	SCREW,HHC,M8 X 20MM	2
21	49408GT	WASHER, LOCK, M8	2
22	30785-1000GT	THREADED ROD,1/4-28 X 10 IN***	1
23	33240P-SGT	BRACKET,ACTUATOR ARM MTG,PTD	1
24	22578GT	SCREW,HHC,M6 X 20MM,GR8.8	2
25	49407GT	WASHER,LOCK,M6	2
26	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
27	21496GT	NUT,HEX,1/4-28	2
28	6090GT	SCREW, HHC, 1/4-20 X .75	4
29	6638GT	WASHER, FLAT, USS, 1/4"Y	6
30	6889GT	NUT,LP NYLOCK,1/4-20	4
31	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	2
32	60521GT	RELAY,SEALED 30/40 AMP from SN 2716	1
32-	73993GT	HARNESS,RPM SOLENOID RELAY*** from SN 2716	1
33	29073GT	SOLENOID,THROTTLE,	1
33-	52537GT	BOOT,SOLENOID,29073	1
33-	58170GT	SOLENOID UPDATE KIT to SN 2715	1
34	33241P-SGT	BRACKET,SOLENOID MTG,PAINTED	1
35		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
35-	20880GT	FILTER ELEMENT-10 MIC.*** for 77139	1
35A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
35A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
36	30230P-SGT	FILTER MOUNT BRACKET	1
37	122058GT	BATTERY CABLE,1/0 GA,BLK 30"	1

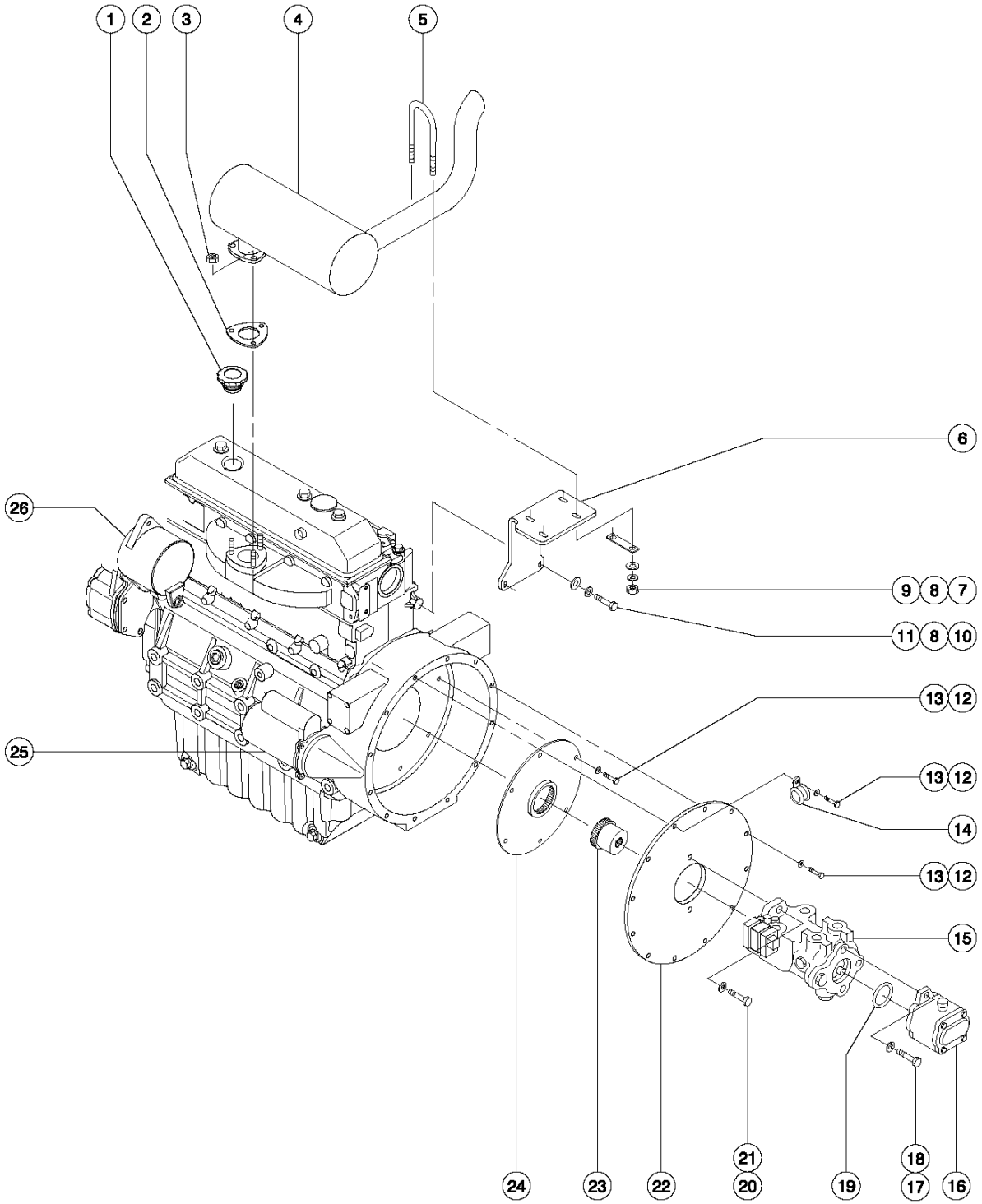
406.1 Deutz F4L 1011F Engine - View 3



406.1 Deutz F4L 1011F Engine - View 3

Item	Part No.	Description	Qty.
38	44064GT	SCREW,HHC,M10 X 30MM,	4
39	22700GT	WASHER,LOCK,M10	4
40	6097GT	WASHER, FLAT, USS, 3/8", Y	3
41	8914GT	SCREW, HHC, 1/4-20 X .625	4
42	6356GT	WASHER,LOCK,.25	4
43	1303581GT	BATTERY, 12V, 950CCA, FLA	1
44	30891GT	BATT.CABLE,00,POS.,RED,50"	1
45	18189GT	BOOT,BATTERY TERMINAL,RED	1
46	30144GT	BATTERY HOLD DOWN,GROUP 31	1
47	30784-975GT	THREADED ROD,(1/4-20),9.75	2
48	8170GT	NUT,WING,1/4-20	2
49	35067GT	TUBE,RD,ALUM 2.5 X .083	1
50	139624GT	SWITCH, OIL PRESSURE 1.5 BAR	1
50-	139666GT	KIT,OP SWITCH,DEUTZ (oil pressure kit for models with ALC-500 control system. replaces 65765. includes item 139624 and instructions)	

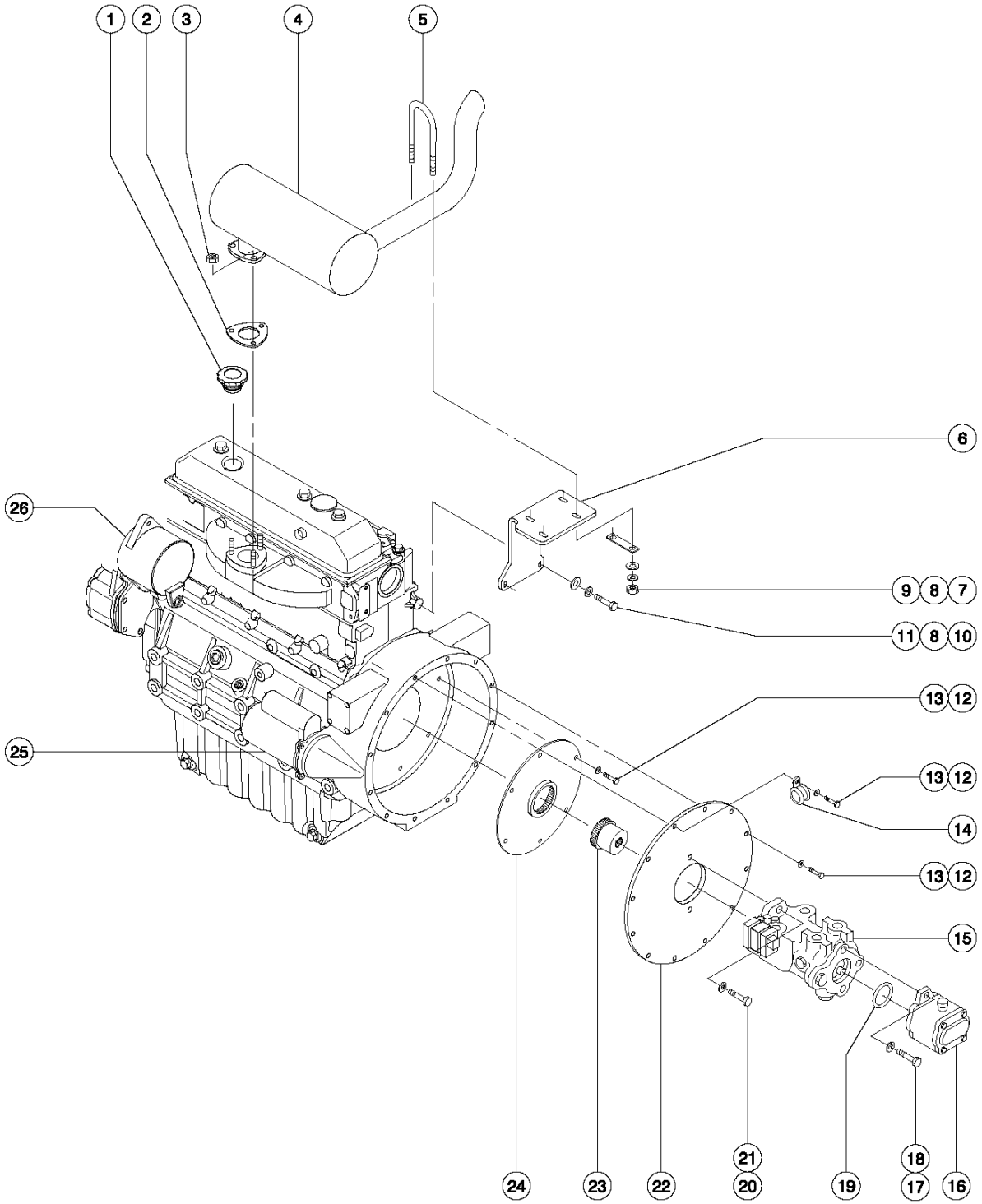
407.1 Perkins 704-30 Engine - View 1



407.1 Perkins 704-30 Engine - View 1

Item	Part No.	Description	Qty.
-	81992GT	HARNESS,PERKINS ENGINE***	
1	65499GT	CAP, SIDE OIL FILL, PERKINS	1
2	65503GT	GASKET,MUFFLER PERKINS(53883)	1
3	65504GT	NUT,MUFFLER PERKINS 10MM	3
4	63313GT	MUFFLER, PERKINS	1
5	16584GT	U-BOLT, KIT 5/16-18 X 2.5 ***	2
6	63326PGT	MUFFLER BRACKET, PAINTED	1
7	6037GT	NUT,HEX,5/16-18,GR5	4
8	6886GT	WASHER,LOCK,.313	6
9	5397GT	WASHER, FLAT, USS, 5/16-18	4
10	23057GT	SCREW,HHC,M8 X 20MM	2
11	6638GT	WASHER, FLAT, USS, 1/4"Y	2
12	44064GT	SCREW,HHC,M10 X 30MM,	26
13	22700GT	WASHER,LOCK,M10	26
14	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	1
15	37027GT	PUMP,VAR PISTON,2.8 C.I.***	1
15-	46674GT	PUMP,VAR.PISTON M46 2.8 CIQVP*	1
15-	22965GT	EDC ASSY,SAUER,M46***	1
15-	65843GT	SEAL KIT, EDC use for EDC ASSY 22965	1
15-	58289GT	VALVE,EDC,PILOT,SAUER,M46 use for EDC ASSY 22965	
15-	72292GT	O-RING KIT,EDC CONTROLLER use for EDC ASSY 22965	
15-	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
15-	32611GT	SHAFT,M46 15 TOOTH	1
15-	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
15-	72290GT	SNAP RING(M46 UNITS)*	1
16	53959GT	PUMP,LIFT 1.403 C.I.***	1
16-	58228GT	SEAL KIT***	1
17	6175GT	SCREW,HHC,3/8-16 X 1	10

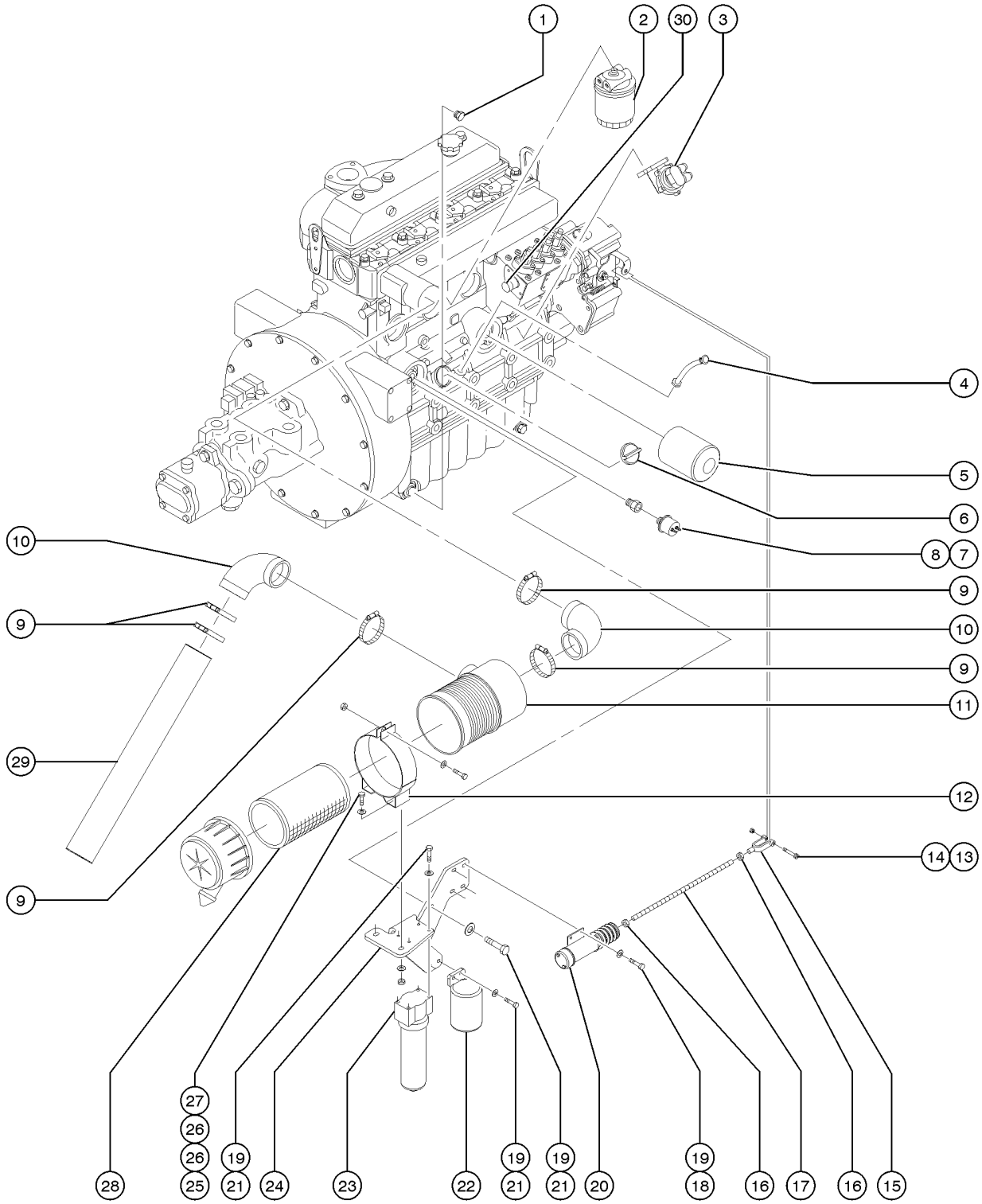
407.1 Perkins 704-30 Engine - View 1



407.1 Perkins 704-30 Engine - View 1

Item	Part No.	Description	Qty.
18	6097GT	WASHER, FLAT, USS, 3/8", Y	2
19	29436GT	O-RING***	1
20	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
21	6033GT	WASHER,LOCK,0.5"	2
22	63464PGT	PLATE, PUMP MOUNT, PAINTED***	1
23	37002GT	COUPLER,HUB,15 TOOTH 7/16BOLT*	1
24	33024GT	FLYWHEEL FLANGE,GREEN PLASTIC	1
25	65495GT	STARTER MOTOR, PERKINS (53883)	1
26	65487GT	ALTERNATOR, PERKINS (53883)	1

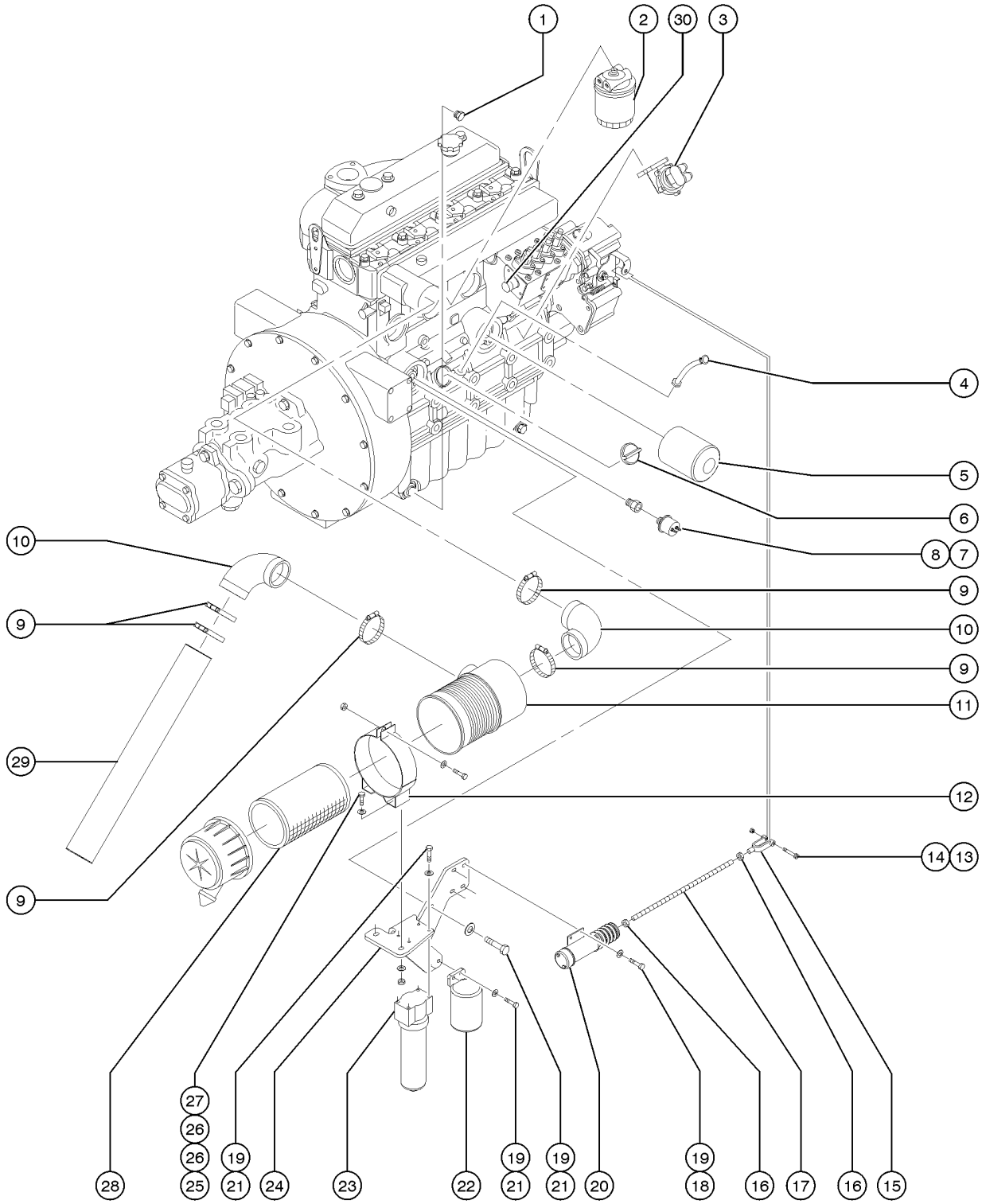
408.1 Perkins 704-30 Engine - View 2



408.1 Perkins 704-30 Engine - View 2

Item	Part No.	Description	Qty.
1	109802GT	PLUG,ORB #6	1
2	62421GT	FILTER,FUEL,PERKINS	1
3	65500GT	PUMP, LIFT INLET PORT (53883)	1
3-	65501GT	FITTINGS, LIFT PUMP INLET PORT	1
3-	53948GT	ADPTR,STR FEM INV 45D 1/4X1/4	1
4	65497GT	DIPSTICK (53883)	1
5	62422GT	FILTER,OIL,PERKINS 704-30 (BB)	1
6	65498GT	CAP,OIL FILLER, PERKINS	1
7	30810GT	SENDING UNIT,OIL PRESSURE*** dual-terminal sender	1
8	53951GT	ADPTR,ST. THR 3/4-16 FEM PIPE	1
9	53945GT	CLAMP,HOSE 2 5/16-3 1/4	5
10	34164GT	ELBOW,90 DEGR,RUBBER,2.5"I.D.*	2
11	63463GT	AIR CLEANER,NELSON***	1
11-	58415GT	CLIP,AIR CLEANER END CAP*** end cap not available separately	
11-	62420GT	FILTER, AIR D2.9L4	
11-	65810GT	BAFFLE, AIR CLEANER (27915)**	
11-	52866GT	EVACUATOR VALVE-AIR CLEANER	
12	53952GT	BRKT,AIR CLEANER ORIENTATION** includes mounting fasteners	1
13	6584GT	SCREW,SHS,10-24 X .625	1
14	5365GT	NUT,NYLOCK,10-24	1
15	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
16	21496GT	NUT,HEX,1/4-28	2
17	30785-1000GT	THREADED ROD,1/4-28 X 10 IN***	1
18	6888GT	SCREW, HHC, 1/4-20 X 1	4
19	6638GT	WASHER, FLAT, USS, 1/4"Y	11
20	29073GT	SOLENOID,THROTTLE,	1
20-	52537GT	BOOT,SOLENOID,29073	1
20-	58170GT	SOLENOID UPDATE KIT to SN 2715	1

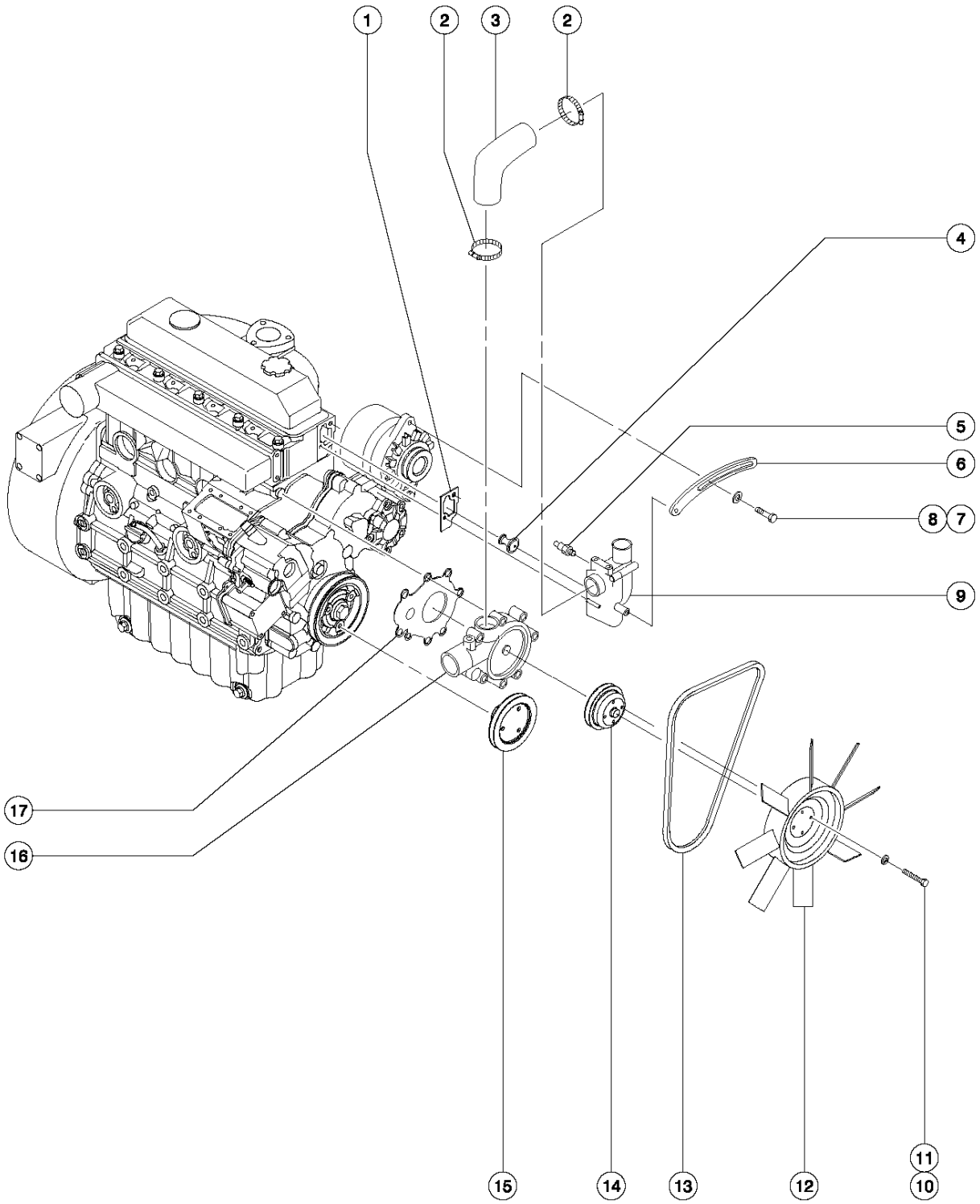
408.1 Perkins 704-30 Engine - View 2



408.1 Perkins 704-30 Engine - View 2

Item	Part No.	Description	Qty.
21	6090GT	SCREW, HHC, 1/4-20 X .75	7
22	81199GT	SEPARATOR/FILTER,FUEL-D,30MIC	1
22-	65853GT	FILTER,FUEL/WATER SEPARATOR***	1
23		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
23-	20880GT	FILTER ELEMENT-10 MIC.*** for 77139	1
23A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
23A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
24	63399PGT	AIR CLEANER BRACKET, PAINTED	1
25	13002GT	SCREW,HHC,5/16-18 X 1 GR5 from SN 2959	2
25-	219437GT	ISOLATOR,VIBRATION to SN 2958	2
26	5397GT	WASHER, FLAT, USS, 5/16-18	4
27	6782GT	NUT, NYLOCK, 5/16-18 from SN 2959	2
27-	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18 to SN 2958	4
28	62420GT	FILTER, AIR D2.9L4	1
29	34162-3150GT	HOSE,AIR INTAKE 2.5" I.D.	1
30	72265GT	SOLENOID,SHUTDOWN,PERKINS ****	

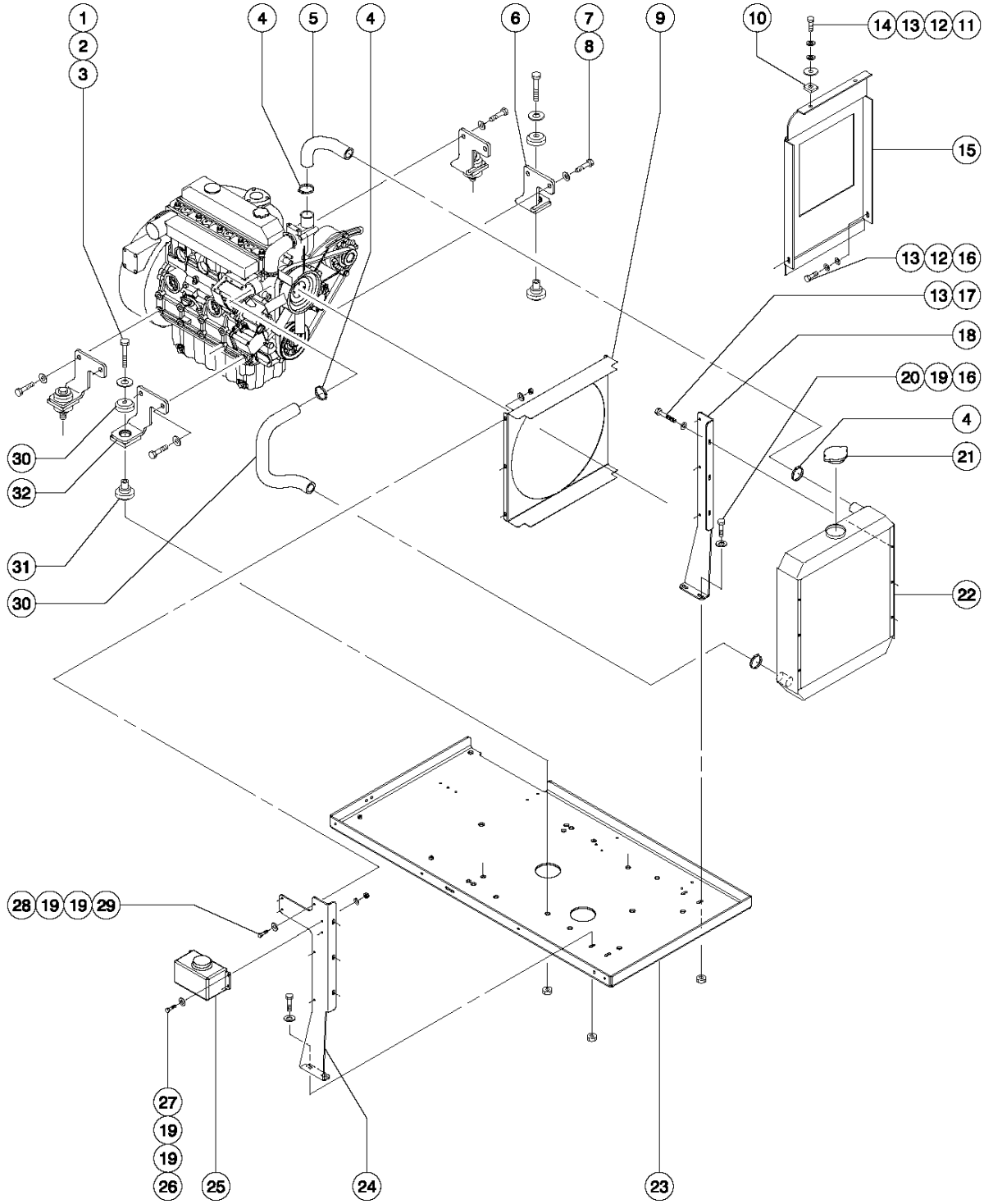
409.1 Perkins 704-30 Engine - View 3



409.1 Perkins 704-30 Engine - View 3

Item	Part No.	Description	Qty.
1	65505GT	GASKET, THERMOSTAT (53883)	1
2	65506GT	CLAMP, HOSE (53883)	2
3	65507GT	HOSE, WATER PUMP (53383)	1
4	65493GT	THERMOSTAT, PERKINS (53883)	1
5	34058GT	SENDING UNIT,TMP,FRD,GM,PRK704	1
6	65488GT	LEVER ALTERNATOR, (53883)	1
7	49381GT	SCREW,HHC,M12 X 30	2
8	65355GT	WASHER,LOCK,M12	2
9	65494GT	HOUSING,THERMOSTAT (53883)	1
10	67349GT	SCREW,HHC,M8 X 50	4
11	49408GT	WASHER, LOCK, M8	4
12	65490GT	FAN, PERKINS (53883)	1
13	62423GT	BELT,V KIT (TWO BELTS) 704-30	1
14	77482GT	PULLEY, WATER PUMP	1
15	65496GT	PULLEY,CRANKSHAFT (53883)	1
16	65491GT	WATER PUMP, PERKINS (53883)	1
17	65492GT	GASKET,TIMMING CASE COVER	1

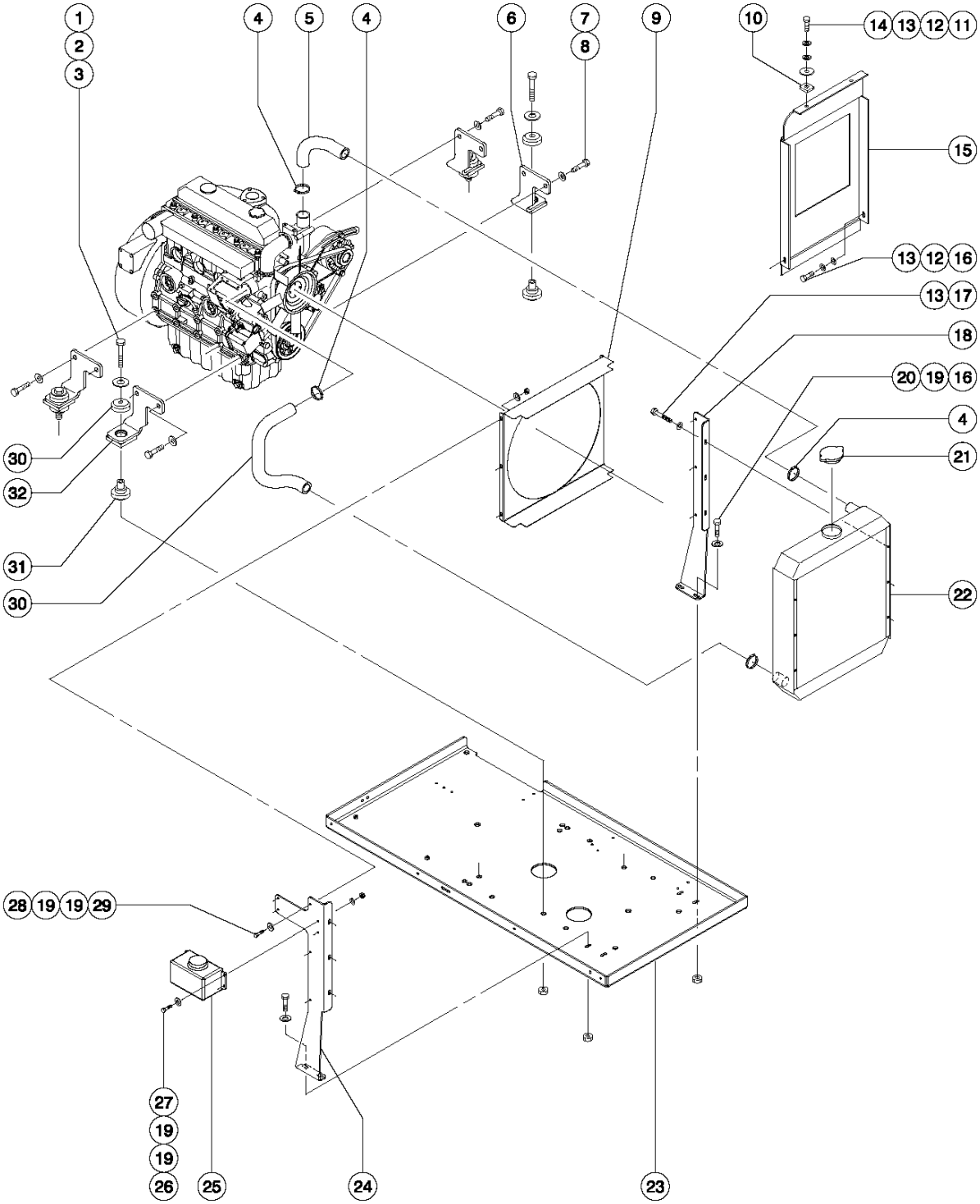
410.1 Perkins 704-30 Engine - View 4



410.1 Perkins 704-30 Engine - View 4

Item	Part No.	Description	Qty.
1	53909GT	SCREW,HHC,5/8-11 X 4.0 GR8	4
2	33418GT	WASHER,FLAT,.625 X 2.25 X.15	4
3	6024GT	NUT,NYLOCK,5/8-11	4
4	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	4
5	63413GT	RADIATOR HOSE, UPPER	1
6	63418GT	WELDMENT,ENGINE MOUNT,INBOARD	1
7	49384GT	SCREW,HHC,M14 X 30	4
8	37505GT	WASHER,LOCK,M14	4
9	63364PGT	FAN SHROUD, PAINTED	1
10	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	2
11	6708GT	SCREW,HHC,3/8-16 X 2.25	2
12	6021GT	WASHER, LOCK, .375	4
13	5397GT	WASHER, FLAT, USS, 5/16-18	10
14	6095GT	WASHER,FLAT,USS,1/2",Y	4
15	63401PGT	BAFFLE,PERKINS,S60/80,PAINTED*	1
16	6175GT	SCREW,HHC,3/8-16 X 1	6
17	13002GT	SCREW,HHC,5/16-18 X 1 GR5	6
18	63362PGT	RADIATOR MOUNT, LH, PAINTED	1
19	6638GT	WASHER, FLAT, USS, 1/4"Y	26
20	7713GT	NUT, LP NYLOCK, 3/8-16	6
21	65473GT	CAP,RADIATOR,PERKINS/FORD	1
22	63462GT	RADIATOR,PERKINS,GM	1
23	30679-SGT	WELDMENT, ENGINE MODULE PLATE	1
24	63363PGT	RADIATOR MOUNT, RH PAINTED	1
25	1279268GT	BOTTLE, COOLANT RECOVERY, 2QT	1
25-	72327GT	CAP, COOLANT RET SYS(54071)	1
26	6090GT	SCREW, HHC, 1/4-20 X .75	4
27	6889GT	NUT,LP NYLOCK,1/4-20	4

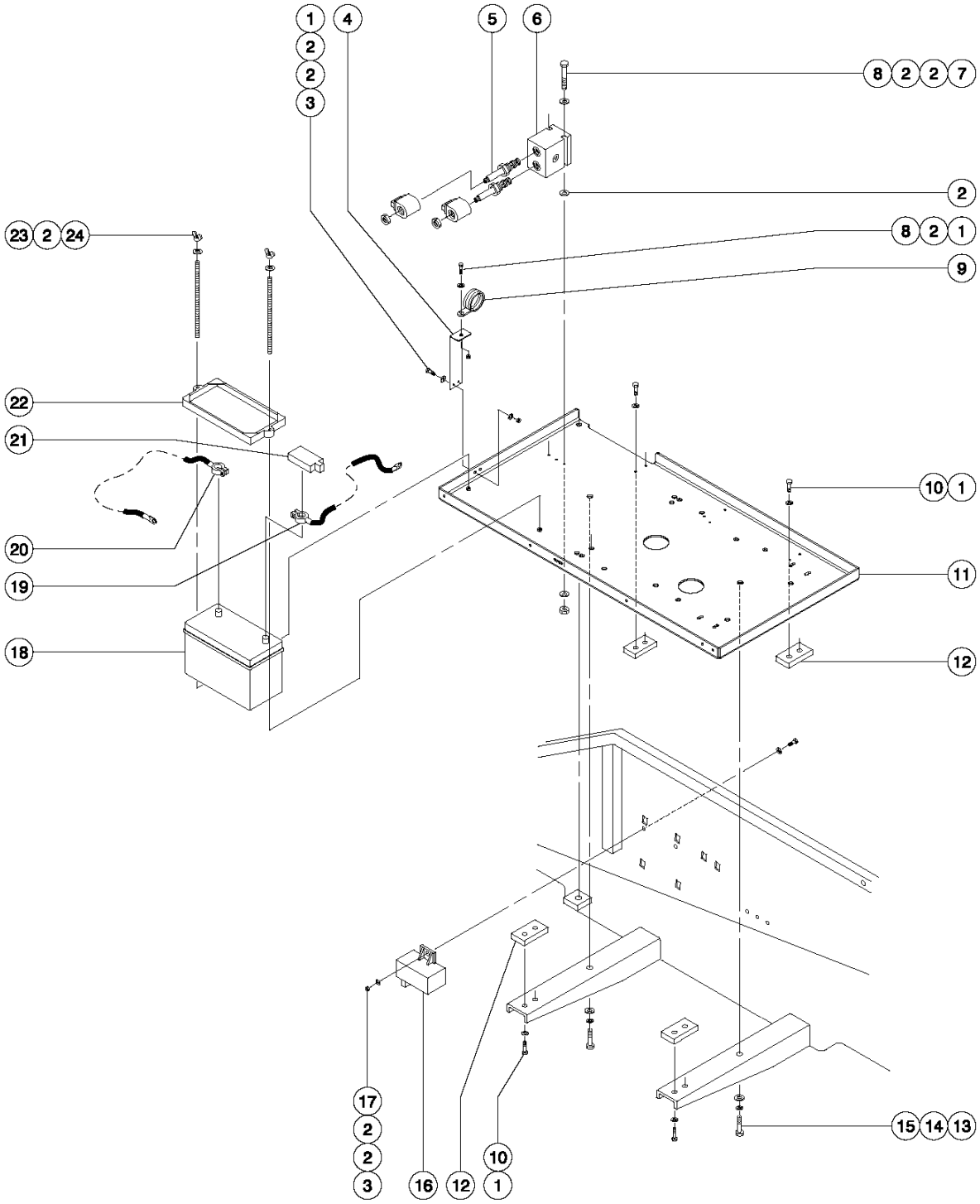
410.1 Perkins 704-30 Engine - View 4



410.1 Perkins 704-30 Engine - View 4

Item	Part No.	Description	Qty.
28	6888GT	SCREW, HHC, 1/4-20 X 1	6
29	6091GT	NUT,NYLOCK,1/4-20	6
30	63414GT	RADIATOR HOSE, LOWER	1
31	28076GT	ISOLATOR,VIBRATION,LG,RD&WH***	4
32	63419GT	WELDMENT,ENGINE MOUNT,OUTBOARD	1

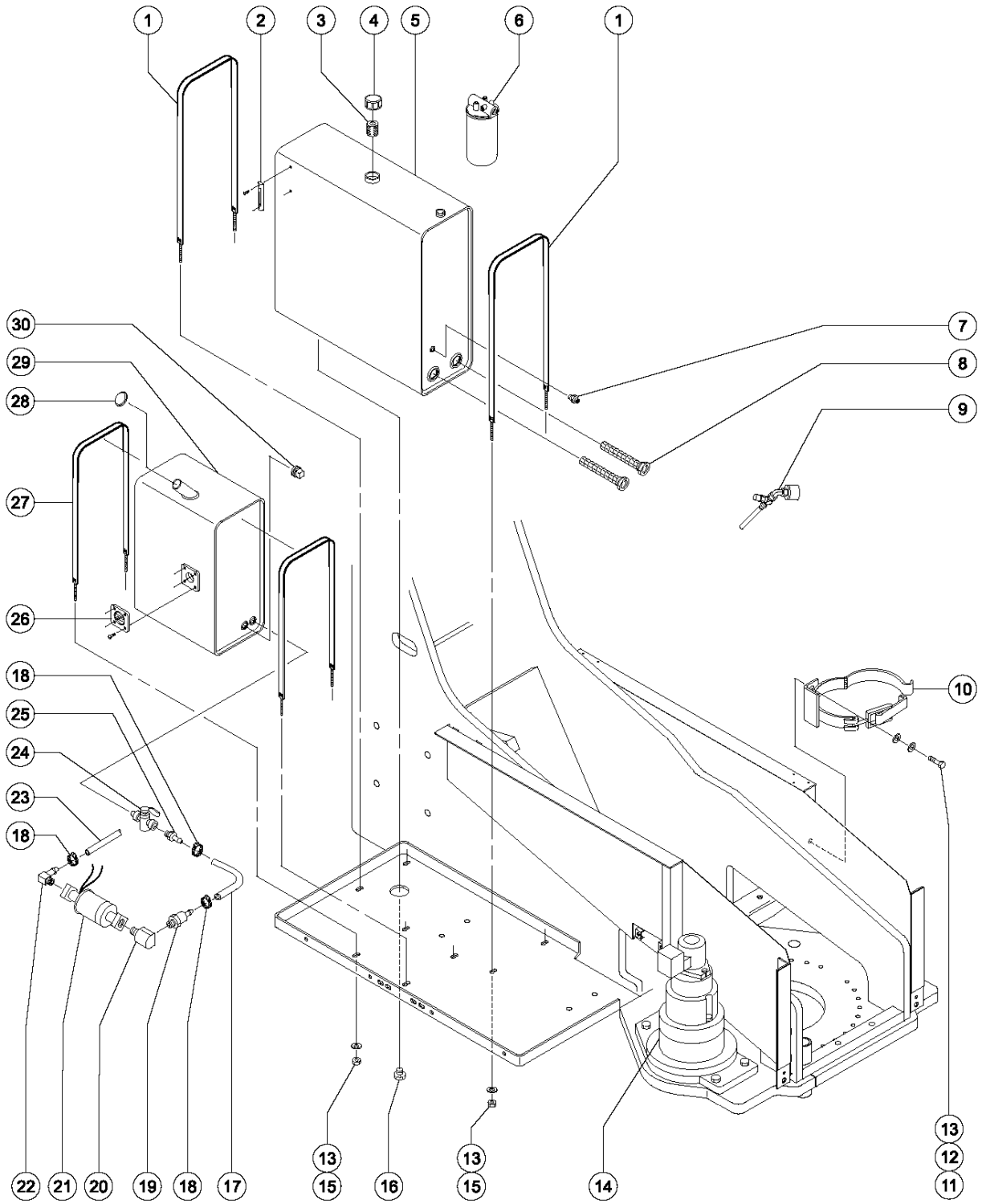
411.1 Perkins 704-30 Engine - View 5



411.1 Perkins 704-30 Engine - View 5

Item	Part No.	Description	Qty.
1	6090GT	SCREW, HHC, 1/4-20 X .75	11
2	6638GT	WASHER, FLAT, USS, 1/4"Y	15
3	6091GT	NUT,NYLOCK,1/4-20	3
4	63457PGT	AIR INTAKE BRACKET, PAINTED	1
5	65766GT	VALVE,SOLENOID,10V W/DIODE***	2
5-	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO*	2
5-	45912GT	NUT,SOLENOID VALVE 2P3W	2
6	42157GT	MANIFOLD,BRAKE/MOTOR SHIFT includes index number 5; to SN 2744	1
6-	81024GT	MANIFOLD,BRAKE/2 SPD includes index number 5; from SN 2745	1
7	6115GT	SCREW,HHC,1/4-20 X 3.5	2
8	6889GT	NUT,LP NYLOCK,1/4-20	3
9	45455GT	CLAMP,2.75,#44 X 1/4,RUB CUSH*	1
10	6356GT	WASHER,LOCK,.25	8
11	30679-SGT	WELDMENT, ENGINE MODULE PLATE	1
12	45209GT	WEAR PAD,4X2X.5 W/INSERT***	4
13	21175GT	SCREW,SHC,5/8-11 X 4,A574	2
14	6036GT	WASHER,LOCK,.625 PLTD	4
15	33418GT	WASHER,FLAT,.625 X 2.25 X.15	4
16		CONTROLLER,GLOW PLUG (53883) component no longer available	1
17	6888GT	SCREW, HHC, 1/4-20 X 1	1
18	1303581GT	BATTERY, 12V, 950CCA, FLA	1
19	30891GT	BATT.CABLE,00,POS.,RED,50"	1
20	122058GT	BATTERY CABLE,1/0 GA,BLK 30"	1
21	18189GT	BOOT,BATTERY TERMINAL,RED	1
22	30144GT	BATTERY HOLD DOWN,GROUP 31	1
23	8170GT	NUT,WING,1/4-20	2
24	30784-975GT	THREADED ROD,(1/4-20),9.75	2

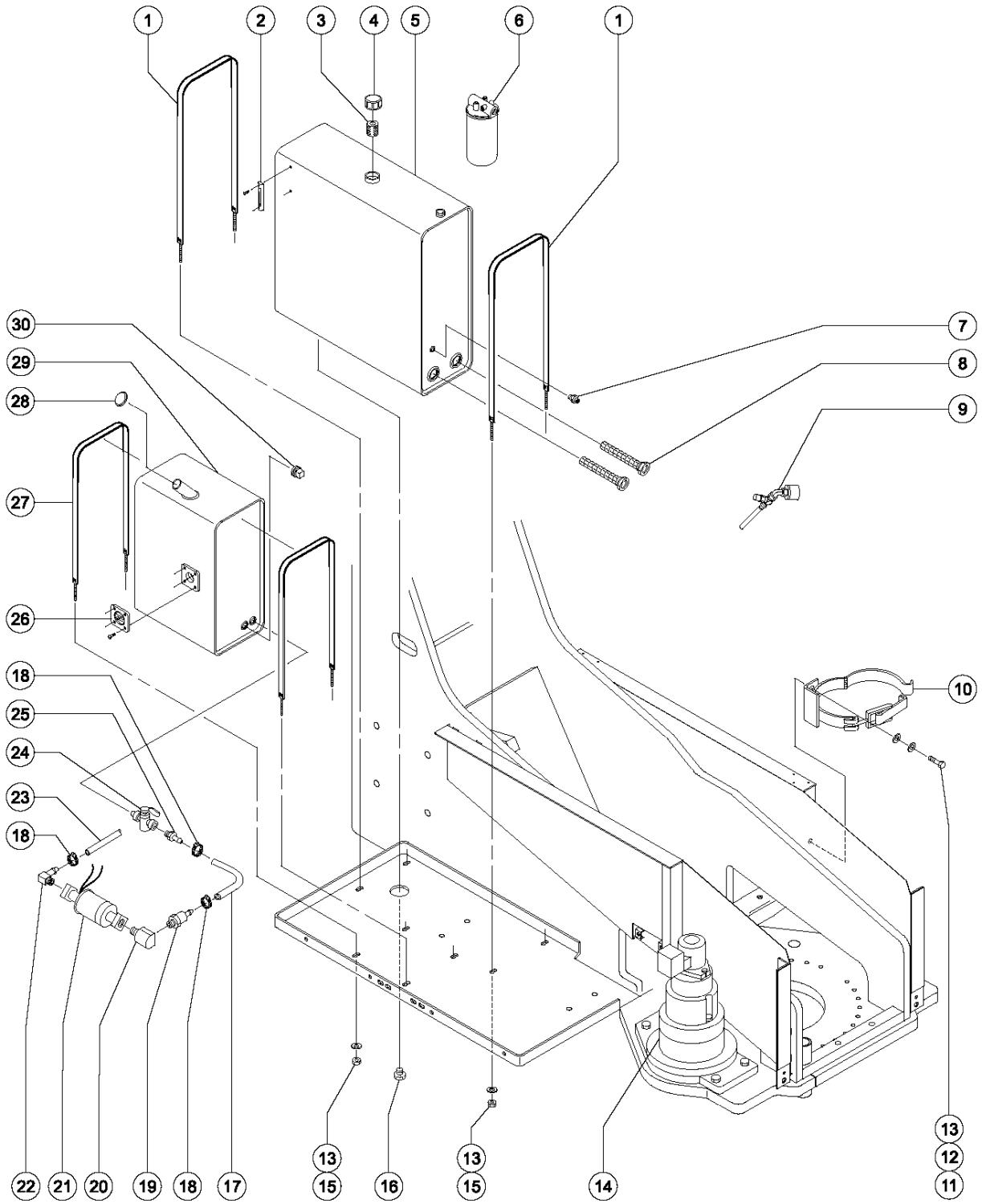
501.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with metal fuel tank)



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

Item	Part No.	Description	Qty.
1	31524GT	STRAP ASSY,TANK, 66 INCH	2
1-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
2	21141GT	GAUGE-SIGHT,LHA-LGTB***	1
3	31506GT	STRAINER,FILLER NECK	1
4	53527GT	CAP,FILLER BREATHER,3 MICRON**	1
5	53353GT	TANK,HYDRAULIC,45 GALLON*** includes index numbers 2, 4, 8 and 16	1
6	48470GT	FILTER ASSEMBLY W/IND L,PAPER	1
6-	46014GT	FILTER,ELEMENT,BETA(6)=200	1
7	48922GT	CONN,520102-6-6	1
8	45161GT	STRAINER ASSEMBLY,1.5" NPT	2
9	25967GT	HOSE ASSEMBLY,LP GAS-86" LNG**	1
10	53120-SGT	LP.TANK BRACKET TALL WLDMNT Gasoline/LPG Models	1
11	6175GT	SCREW,HHC,3/8-16 X 1	2
12	6021GT	WASHER, LOCK, .375	2
13	5397GT	WASHER, FLAT, USS, 5/16-18	10
14		Ref. Turntable Rotator (refer to Figures 507.1 or 507.2)	10
15	4828GT	NUT, NYLOCK, 3/8-16	8
16	31507GT	PLUG,SQUARE HEAD,3/4 MPT	1
17	27089GT	HOSE,5/16 FUEL,SAE 30R7	
18	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	3
19	28662GT	FILTER,FUEL,LRG-423,SCREW-IN	1
20	22585GT	ELBOW,130239-2-2	1
21	46164GT	FUEL PUMP KIT,FORD LRG 423***	1
21-	46164GT	FUEL PUMP KIT,FORD LRG 423*** includes index numbers 19, 20 and 22	1
22	38922GT	ELBOW,90DEG.1/8MPT-5/16 BARB	1
23	27089GT	HOSE,5/16 FUEL,SAE 30R7	
24	19487GT	VALVE, FUEL LOCK	1

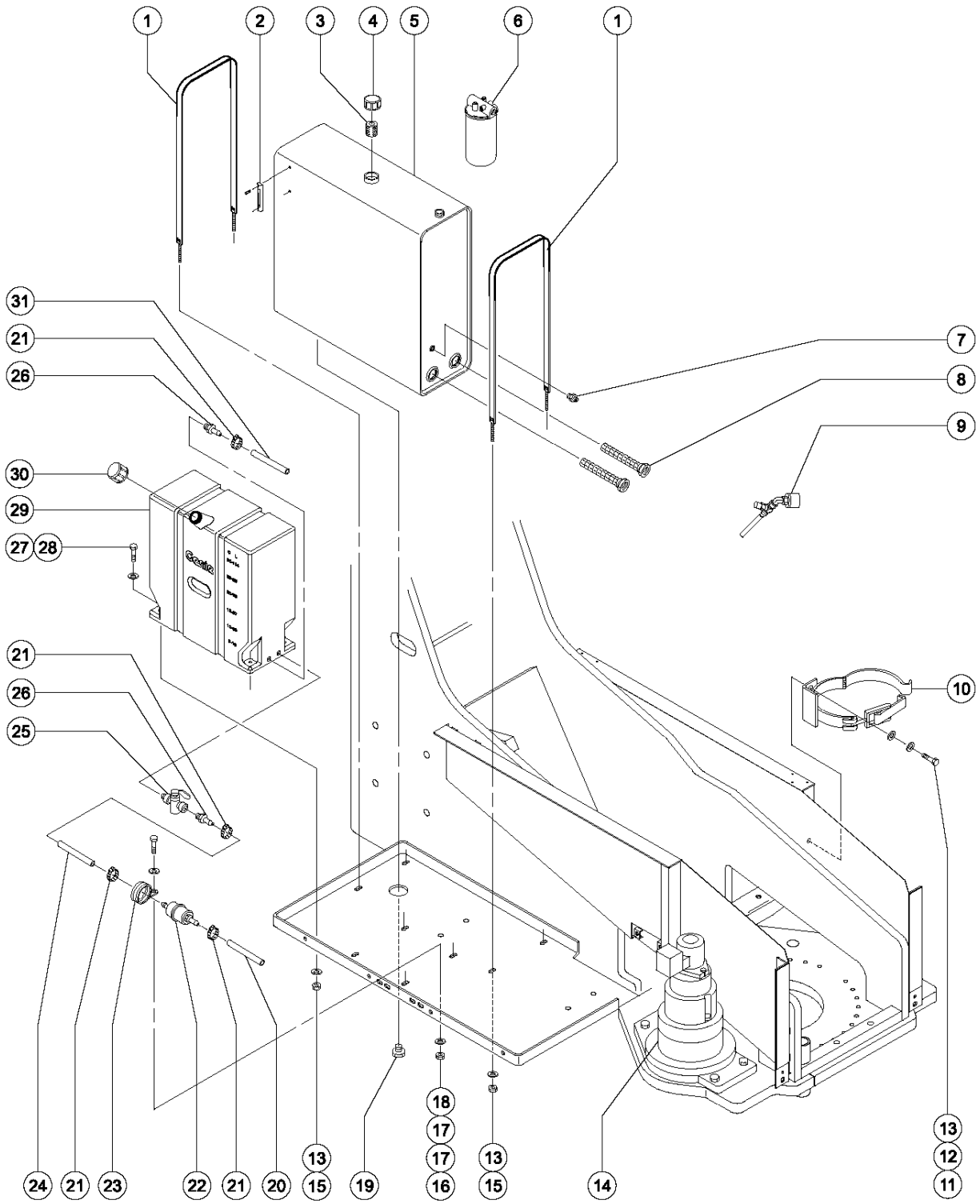
501.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with metal fuel tank)



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

Item	*Part No.*	*Description*	*Qty.*
25	27586GT	HOSE END,MALE,.313 X .25 MPT	1
26	30584GT	GAUGE,FUEL,SIDE MOUNT	1
27	30179GT	TANK STRAP,BOLT STYLE,62"	2
27-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
28	28829GT	CAP,FUEL,RED***	1
29	30546P-SGT	TANK,30 GALLON,PAINTED** includes index number 30	1
30	18218GT	PLUG,PIPE,HEX HEAD,STL,1/4NPT	1

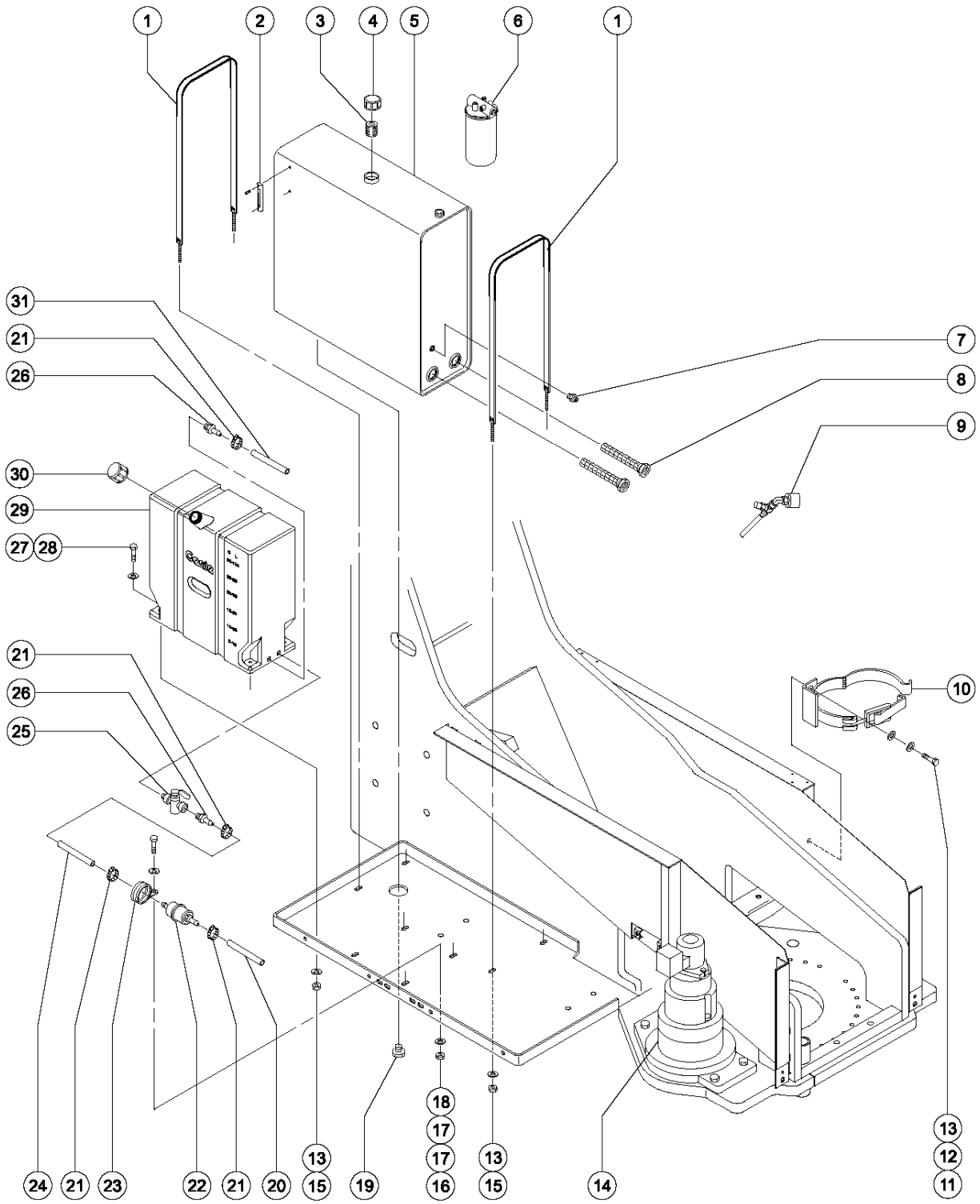
502.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with plastic fuel tank)



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

Item	*Part No.*	*Description*	*Qty.*
1	31524GT	STRAP ASSY,TANK, 66 INCH	2
1-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
2	21141GT	GAUGE-SIGHT,LHA-LGTB***	1
3	31506GT	STRAINER,FILLER NECK	1
4	53527GT	CAP,FILLER BREATHER,3 MICRON**	1
5	53353GT	TANK,HYDRAULIC,45 GALLON*** includes index numbers 2, 4, 8 and 19	1
6	48470GT	FILTER ASSEMBLY W/IND L,PAPER	1
6-	46014GT	FILTER,ELEMENT,BETA(6)=200	1
7	48922GT	CONN,520102-6-6	1
8	45161GT	STRAINER ASSEMBLY,1.5" NPT	2
9	25967GT	HOSE ASSEMBLY,LP GAS-86" LNG**	1
10	53120-SGT	LP.TANK BRACKET TALL WLDMNT	1
11	6175GT	SCREW,HHC,3/8-16 X 1	2
12	6021GT	WASHER, LOCK, .375	2
13	5397GT	WASHER, FLAT, USS, 5/16-18	10
14		Ref. Turntable Rotator (refer to Figures 507.1 or 507.2)	10
15	4828GT	NUT, NYLOCK, 3/8-16	8
16	6889GT	NUT,LP NYLOCK,1/4-20	1
17	6638GT	WASHER, FLAT, USS, 1/4"Y	2
18	6090GT	SCREW, HHC, 1/4-20 X .75	1
19	31507GT	PLUG,SQUARE HEAD,3/4 MPT	1
20	27089GT	HOSE,5/16 FUEL,SAE 30R7	
21	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	3
22	52179GT	FILTER, FUEL LRG 425/423 EFI	1
23	45455GT	CLAMP,2.75,#44 X 1/4,RUB CUSH*	1
24	27089GT	HOSE,5/16 FUEL,SAE 30R7	
25	19487GT	VALVE, FUEL LOCK	1

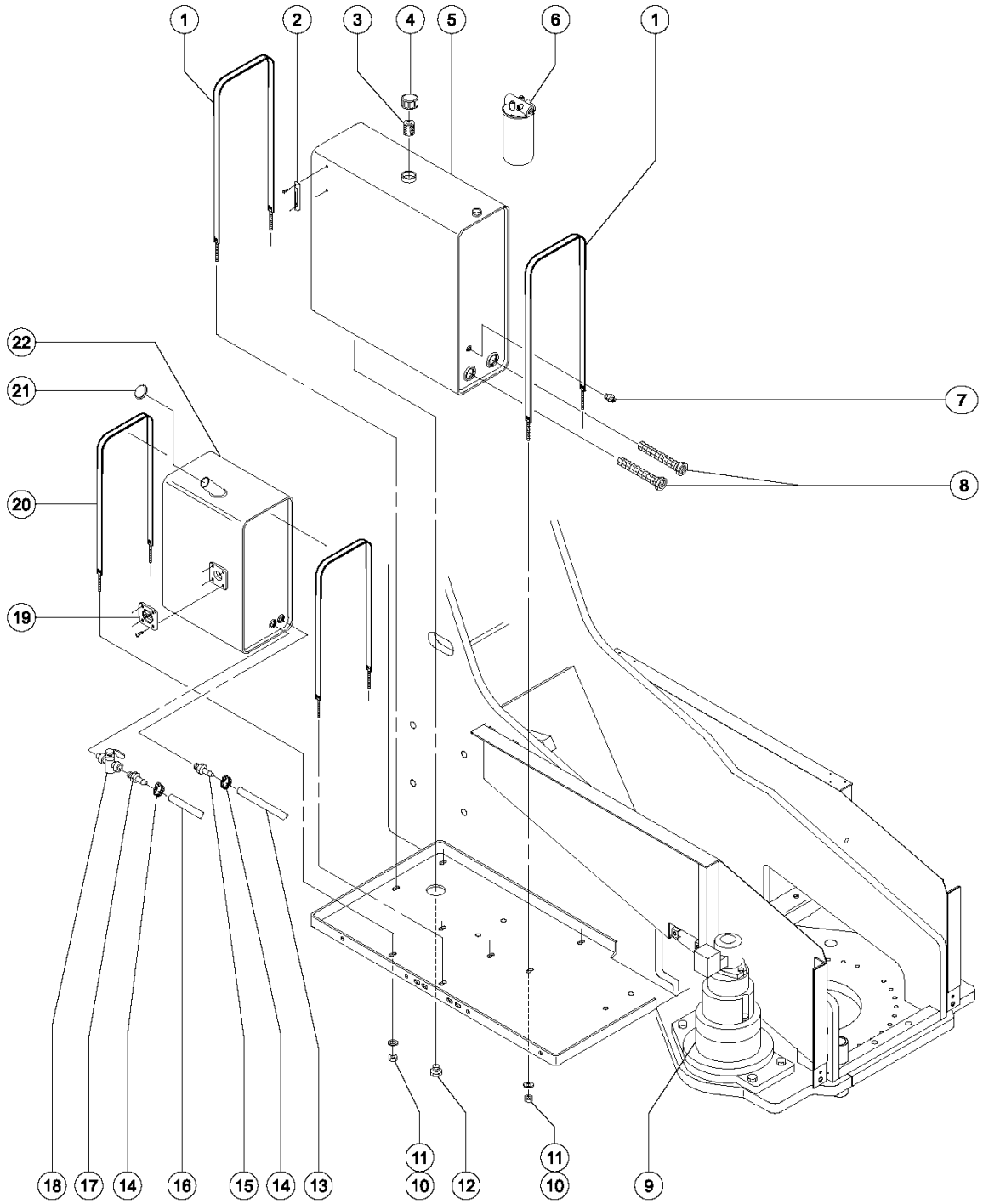
502.1 Hydraulic and Fuel Tanks - Gasoline/LPG Models (with plastic fuel tank)



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

Item	*Part No.*	*Description*	*Qty.*
26	53023GT	FITTING,1/4 MPT 5/16 BARB	2
27	8178GT	SCREW, HHC, 3/8-16 X 2.5	4
28	6097GT	WASHER, FLAT, USS, 3/8", Y	4
29	73593GT	FUEL TANK,H/D PLASTIC W/DECAL*	1
30	101727GT	CAP,FUEL,GAS,1/8"VENT(RED)	1
31	27089GT	HOSE,5/16 FUEL,SAE 30R7	

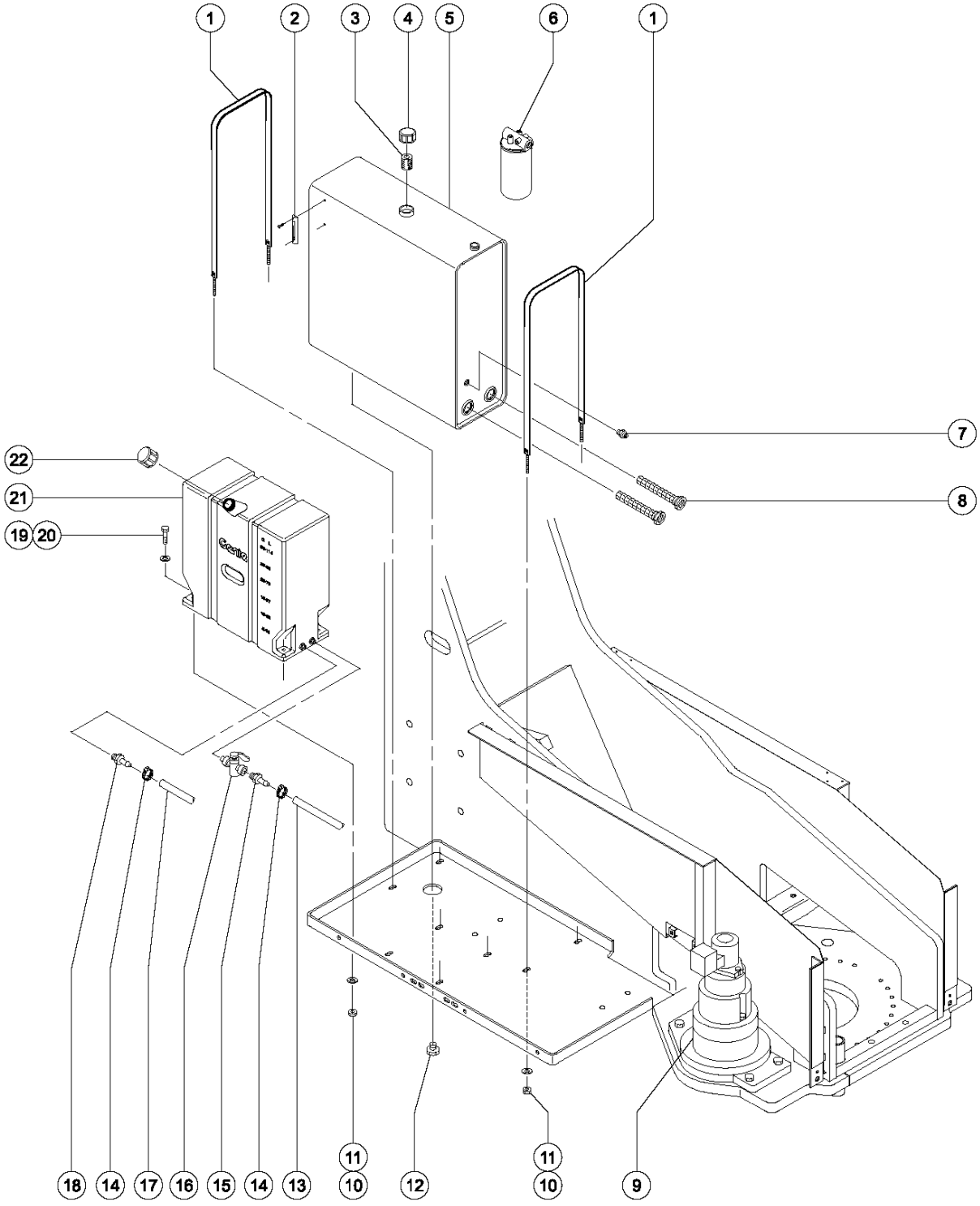
503.1 Hydraulic and Fuel Tanks - Diesel Models (with metal fuel tank)



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

Item	Part No.	Description	Qty.
1	31524GT	STRAP ASSY,TANK, 66 INCH	2
1-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
2	21141GT	GAUGE-SIGHT,LHA-LGTB***	1
3	31506GT	STRAINER,FILLER NECK	1
4	53527GT	CAP,FILLER BREATHER,3 MICRON**	1
5	53353GT	TANK,HYDRAULIC,45 GALLON*** includes index numbers 2, 4, 8 and 12	1
6	48470GT	FILTER ASSEMBLY W/IND L,PAPER	1
6-	46014GT	FILTER,ELEMENT,BETA(6)=200	1
7	48922GT	CONN,520102-6-6	1
8	45161GT	STRAINER ASSEMBLY,1.5" NPT	2
9		Ref. Turntable Rotator (refer to Figures 507.1 or 507.2)	2
10	4828GT	NUT, NYLOCK, 3/8-16	8
11	5397GT	WASHER, FLAT, USS, 5/16-18	8
12	31507GT	PLUG,SQUARE HEAD,3/4 MPT	1
13	30490GT	HOSE,1/4 FUEL LINE,SAE 30R7	
14	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	2
15	29137GT	HOSE END,MALE.25 X .25 MPT***	1
16	27089GT	HOSE,5/16 FUEL,SAE 30R7	
17	53023GT	FITTING,1/4 MPT 5/16 BARB	1
18	19487GT	VALVE, FUEL LOCK	1
19	30584GT	GAUGE,FUEL,SIDE MOUNT	1
20	30179GT	TANK STRAP,BOLT STYLE,62"	2
20-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
21	25567GT	CAP,FUEL,GREEN*	1
22	30546P-SGT	TANK,30 GALLON,PAINTED**	1

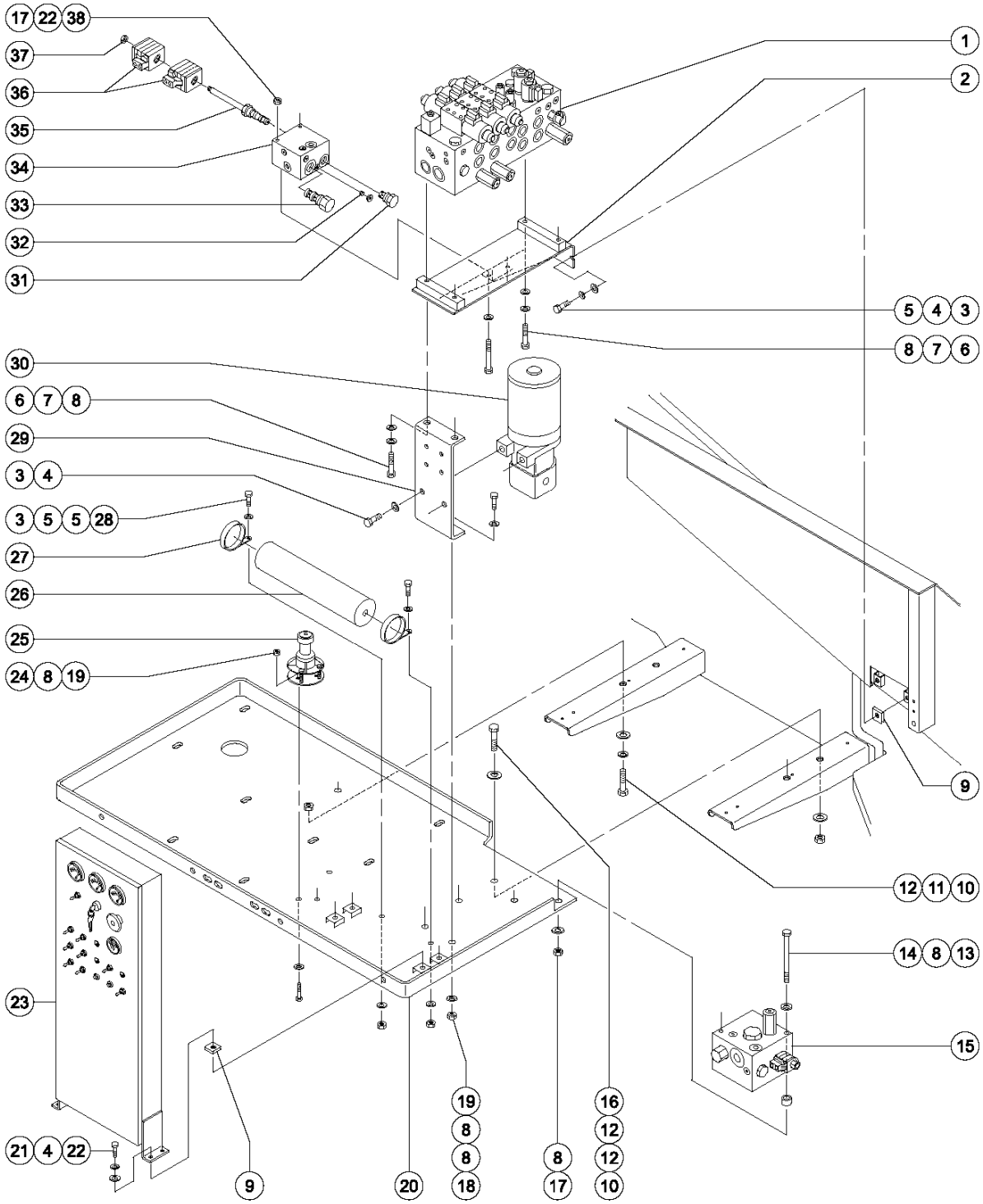
504.1 Hydraulic and Fuel Tanks - Diesel Models (with plastic fuel tank)



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

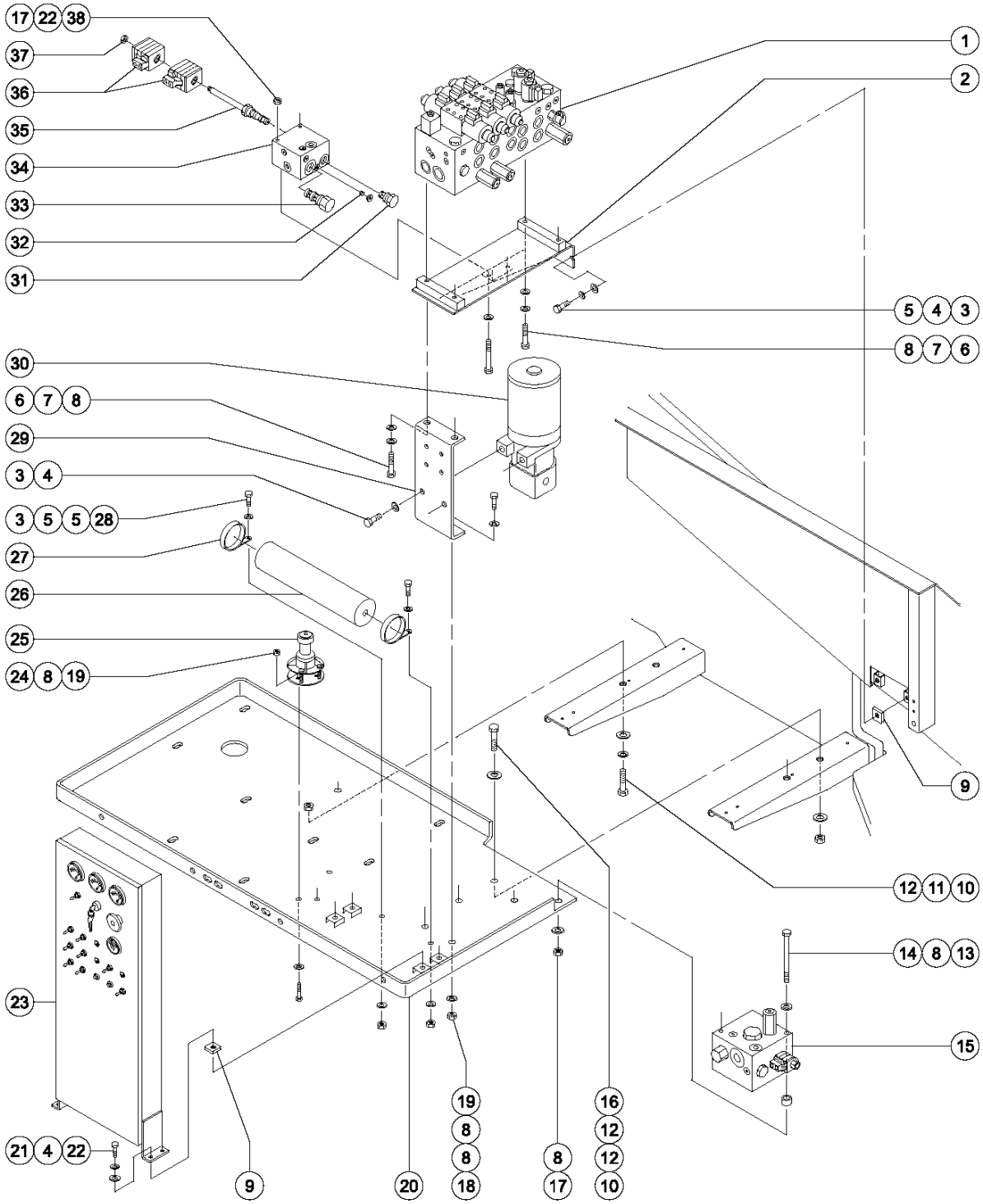
Item	*Part No.*	*Description*	*Qty.*
1	30179GT	TANK STRAP,BOLT STYLE,62"	2
1-	31658GT	EXTRUSION,RUBBER BUMPER STRIP	40 inches
2	21141GT	GAUGE-SIGHT,LHA-LGTB***	1
3	31506GT	STRAINER,FILLER NECK	1
4	53527GT	CAP,FILLER BREATHER,3 MICRON**	1
5	53353GT	TANK,HYDRAULIC,45 GALLON*** includes index numbers 2, 4, 8 and 12	1
6	48470GT	FILTER ASSEMBLY W/IND L,PAPER	1
6-	46014GT	FILTER,ELEMENT,BETA(6)=200	1
7	48922GT	CONN,520102-6-6	1
8	45161GT	STRAINER ASSEMBLY,1.5" NPT	2
9		Ref. Turntable Rotator (refer to Figures 507.1 or 507.2)	2
10	4828GT	NUT, NYLOCK, 3/8-16	8
11	5397GT	WASHER, FLAT, USS, 5/16-18	8
12	31507GT	PLUG,SQUARE HEAD,3/4 MPT	1
13	27089GT	HOSE,5/16 FUEL,SAE 30R7	
14	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	2
15	53023GT	FITTING,1/4 MPT 5/16 BARB	1
16	19487GT	VALVE, FUEL LOCK	1
17	30490GT	HOSE,1/4 FUEL LINE,SAE 30R7	
18	29137GT	HOSE END,MALE.25 X .25 MPT***	1
19	8178GT	SCREW, HHC, 3/8-16 X 2.5	4
20	6097GT	WASHER, FLAT, USS, 3/8", Y	4
21	73593GT	FUEL TANK,H/D PLASTIC W/DECAL*	1
22	101726GT	CAP,FUEL,DIESEL,1/8"VENT(GRN) no longer available, (replaced by 1316635)	1
22B	1316635GT	CAP, FUEL, DIESEL, 0.08 IN HOLE (BLACK)	1

505.1 Function Manifold and Auxiliary Power Unit Installation



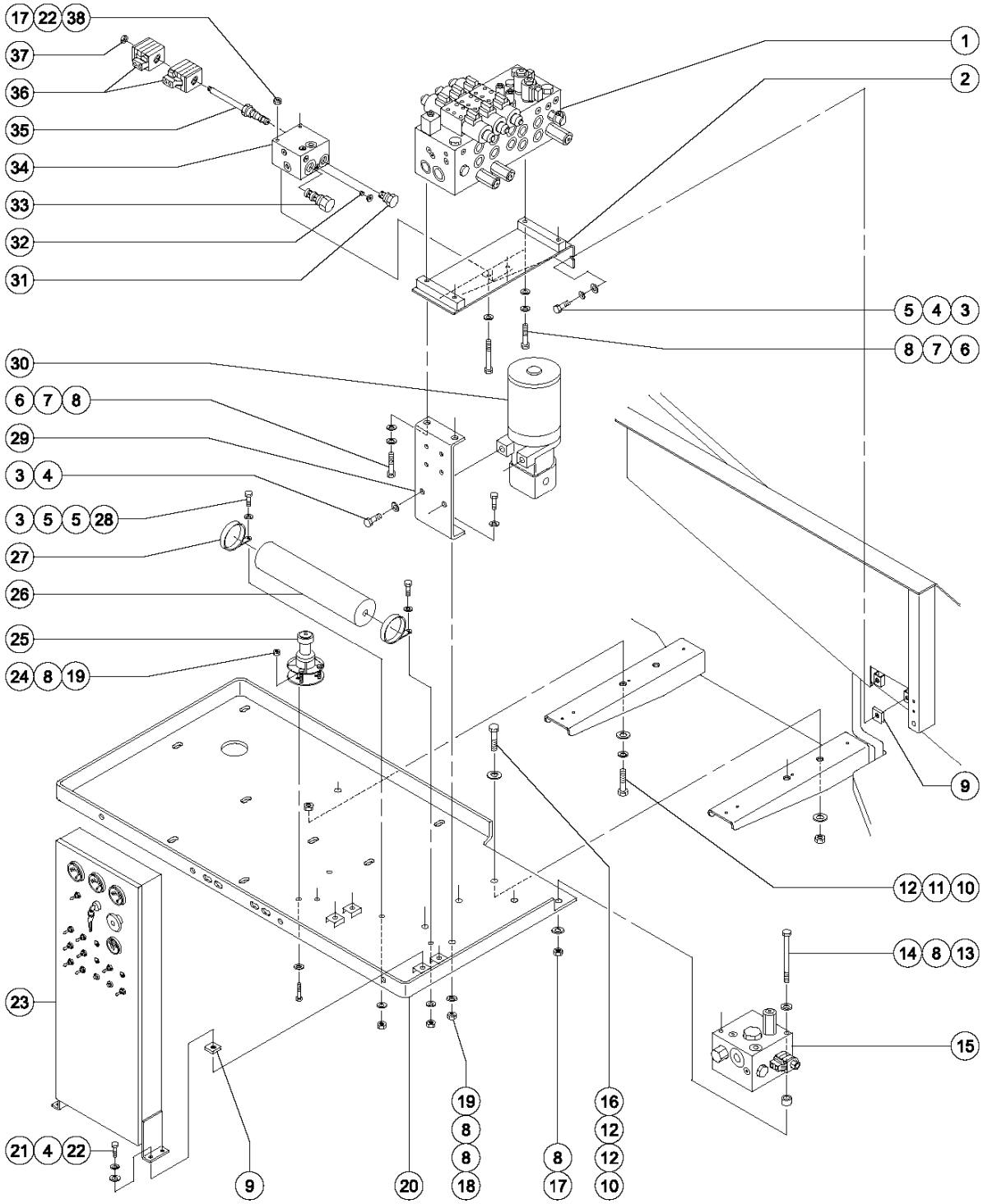
Item	Part No.	Description	Qty.
1	146174GT	MANIFOLD,3 FUNCTION W/BYPASS to SN 2744	
1-	146175GT	MANIFOLD,3 FUNCT W/BYPASS S80 from SN 2745	
2	53122-SGT	WELDMENT,FUNCTION MANIFOLD MNT	1
3	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	6
4	6021GT	WASHER, LOCK, .375	8
5	6097GT	WASHER, FLAT, USS, 3/8", Y	6
6	4266GT	SCREW,HHC,1/4-20 X 2	4
7	6356GT	WASHER,LOCK,.25	4
8	6638GT	WASHER, FLAT, USS, 1/4"Y	14
9	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	6
10	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	3
11	6036GT	WASHER,LOCK,.625 PLTD	1
12	13064GT	WASHER,FLAT,.625 HARDENED	5
13	49465GT	SCREW,HHC,5/16-18 X 5	2
14	45400GT	SPACER TUBE,.50 LG	2
15	48536GT	MANIFOLD,AXLE EXTEND DUMP	1
16	6024GT	NUT,NYLOCK,5/8-11	2
17	6782GT	NUT, NYLOCK, 5/16-18	2
18	6091GT	NUT,NYLOCK,1/4-20	2
19	6888GT	SCREW, HHC, 1/4-20 X 1	4
20	30677GT	WELDMENT,HYD TANK MODULE	1
21	6175GT	SCREW,HHC,3/8-16 X 1	4
22	5397GT	WASHER, FLAT, USS, 5/16-18	6
23	33472GT	CONTROL BOX W/ DECAL,GROUND	1
24	6889GT	NUT,LP NYLOCK,1/4-20	2
25	44586GT	SENSOR,LEVEL 4.5***	2
25-	1260218GT	HARNESS,TILT ALARM,12V for CSA models only from SN 3037 to 3081	
25-	1264947GT	KIT, LEVEL SENSOR, 6 PIN CONN For ANSI/CSA models with 6-pin wire harness connector, includes instructions	

505.1 Function Manifold and Auxiliary Power Unit Installation



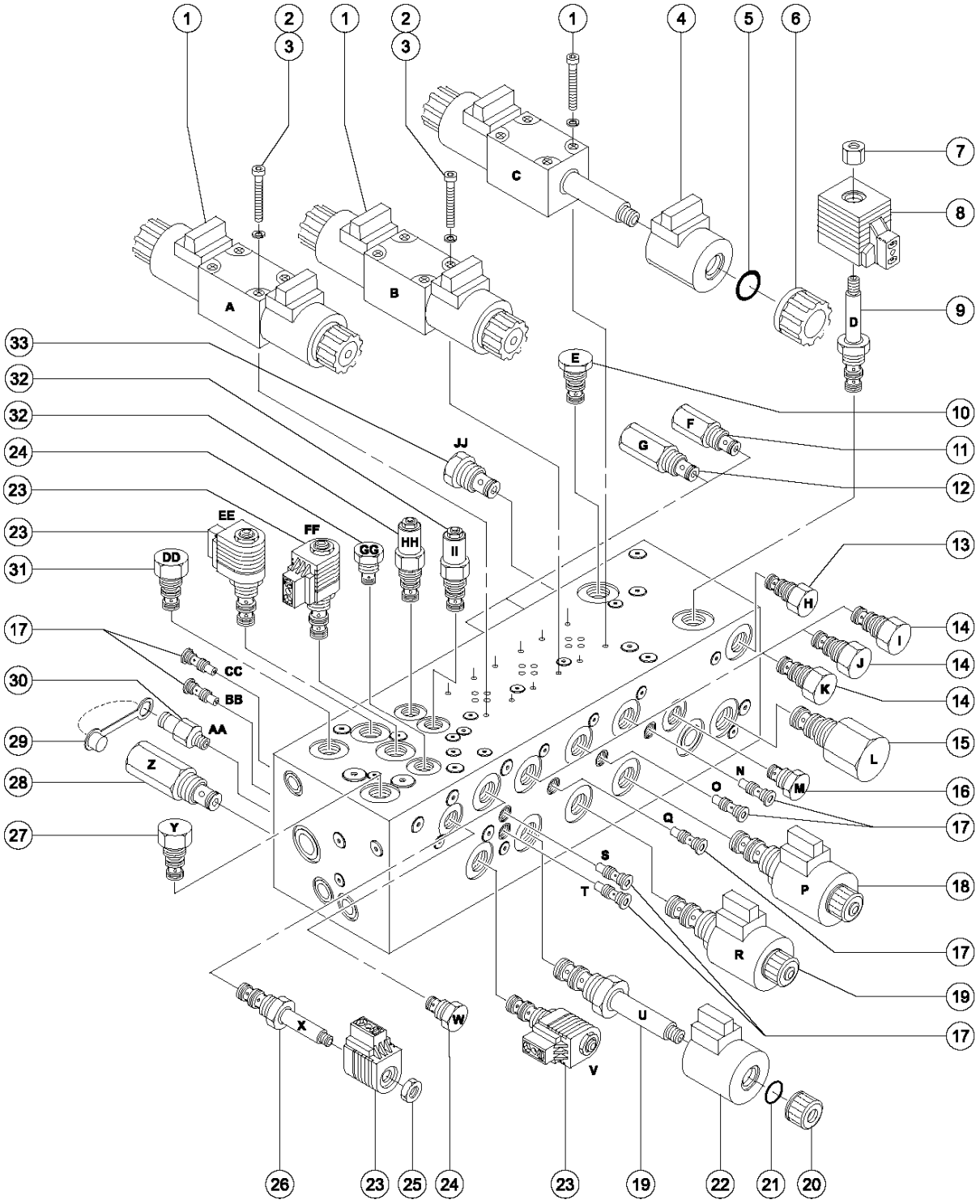
Item	Part No.	Description	Qty.
26	37207GT	ACCUMULATOR,430 PSI PRECHARGE*	1
27	27497GT	CLAMP,RUBBER CUSHIONED-2 5/32	2
28	4828GT	NUT, NYLOCK, 3/8-16	2
29	30718PGT	BRACKET,AUX.PUMP MNT.PAINTED	1
30	89617GT	POWER UNIT,AUX PUMP 12VDC complete, replaced 53236 and 81071	1
30-	62080GT	MOTOR,12V DC,APU (53236) use with APU 53236; to SN 2942	1
30-	32955GT	END HEAD, 32810 POWER UNIT use with APU 53236; to SN 2942	1
30-	32948GT	COUPLER,PUMP TO MOTOR (32810) use with APU 53236; to SN 2942	1
30-	32967GT	GASKET,PUMP TO DC MTR.(32810) use with APU 53236; to SN 2942	1
30-	33455GT	PUMP, AUX. POWER UNIT use with APU 53236; to SN 2942	1
30-	32959GT	BALL,CHECK (32810) use with APU 53236; to SN 2942	1
30-	32962GT	GASKET,0.0005,SILVER (32810) use with APU 53236; to SN 2942	1
30-	32963GT	GASKET,0.001,AMBER (32810) use with APU 53236; to SN 2942	1
30-	32964GT	GASKET,0.00075,GOLD (32810) use with APU 53236; to SN 2942	1
30-	62268GT	PUMP, AUX. POWER UNIT use with APU 81071, from SN 2943	1
30-	77071GT	SOLENOID,77066 use with APU 81071 and 89617, from SN 2943	1
30-	77069GT	MOTOR,12VDC,77066 use with APU 81071 and 89617, from SN 2943	1
30-	58489GT	PUMP ASSY,AUX.POWER UNIT 89617 use with APU 89617, from SN 2943	1
30-	147289GT	SEAL KIT, APU use with APU 89617, from SN 2943	1
30-	147290GT	SHAFT SEAL, APU use with APU 89617, from SN 2943	1
31	45543GT	VALVE,CHECK, 50 PSI	1
32	32669GT	ORIFICE PLUG,.025 (30551)	1
33	33453GT	VALVE,FLOW REG.,3.5GPM (34543)	1
34	81028GT	MANIFOLD,STEER,S60,80,OSC includes index numbers 31, 32, 33, 35, 36 and 37; from SN 2745	1
34-	48537GT	MANIFOLD,STEER,S60,S80,OSC. includes index numbers 31, 32, 33, 35, 36 and 37; to SN 2744	1
35	43609GT	VALVE,SOLENOID 3P4W includes index numbers 36 and 37; from SN 2745	1
35-	48684GT	VALVE, SOLENOID, 10V includes index numbers 36 and 37; to SN 2744	1
36	81044GT	COIL,SOLENOID,10DSD 10V,W/DIOD from SN 2745	2

505.1 Function Manifold and Auxiliary Power Unit Installation



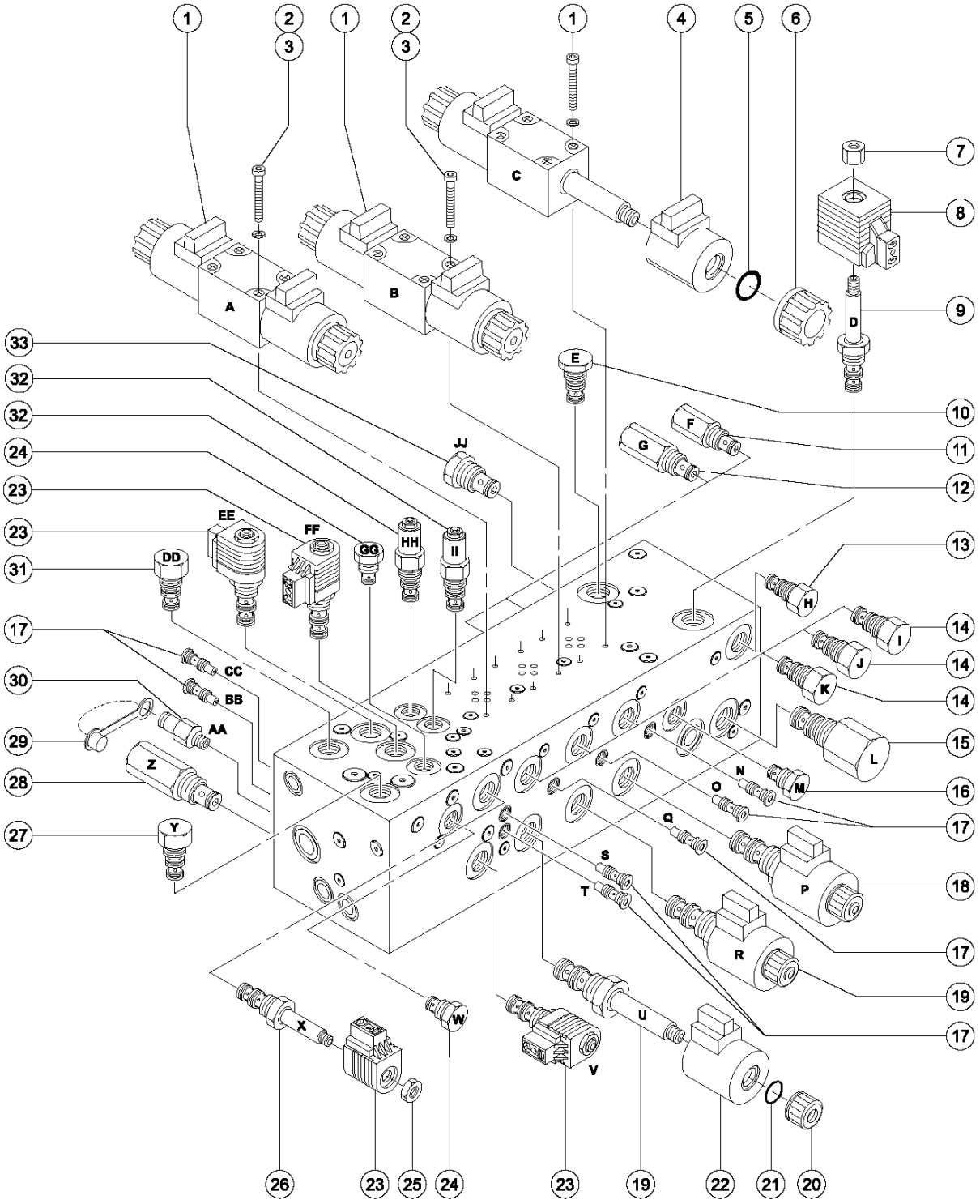
Item	*Part No.*	*Description*	*Qty.*
36-	29744GT	COIL,10V to SN 2744	2
37	52943GT	NUT, SOLENOID VALVE COIL	1
38	49468GT	SCREW,HHC,5/16-18 X 3.25	2

506.1 Function Manifold



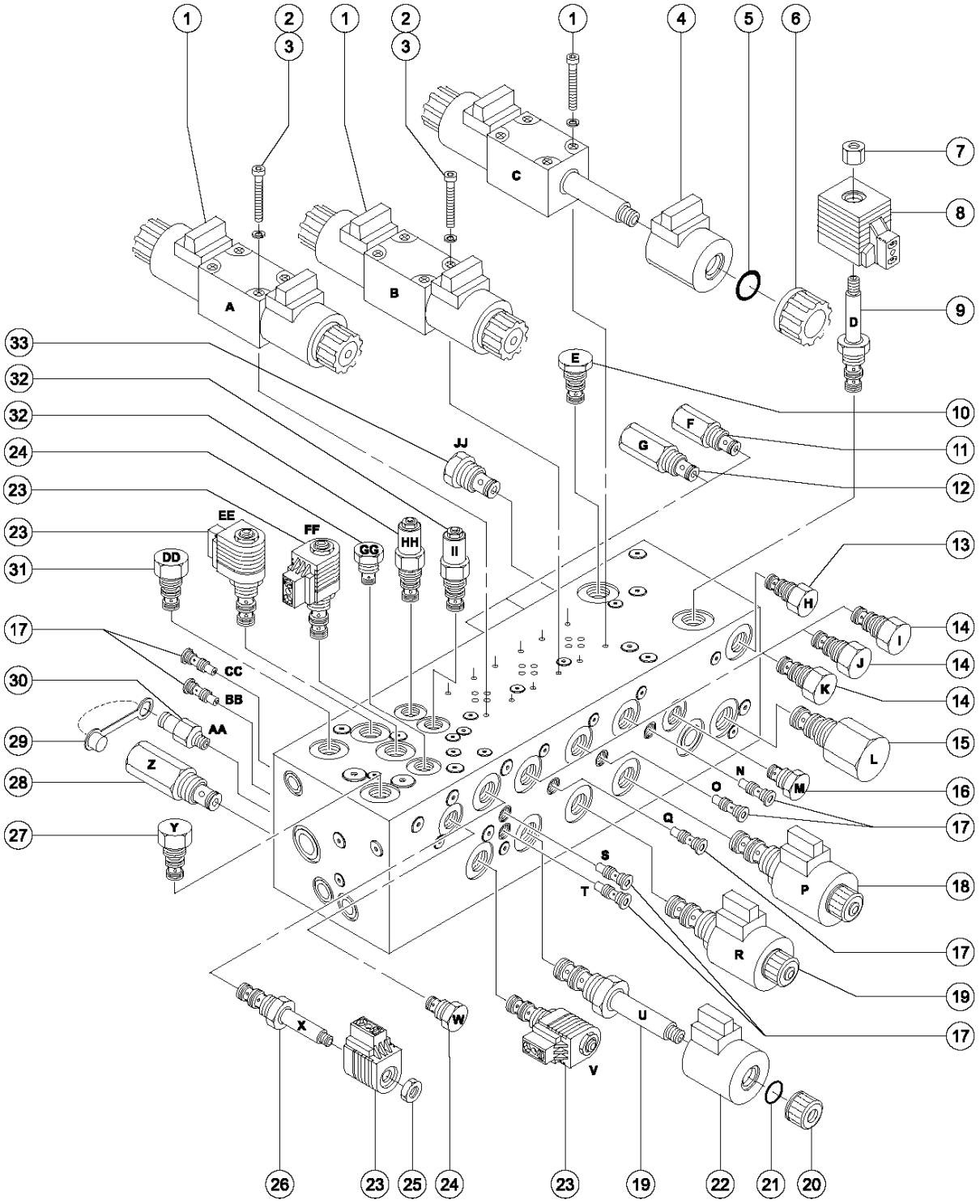
Item	Part No.	Description	Qty.
	146175GT	MANIFOLD,3 FUNCT W/BYPASS S80 from SN 2745	
	146174GT	MANIFOLD,3 FUNCTION W/BYPASS to SN 2744	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	33994GT	PLUG AND CAP KIT-SERVICE,37?**	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	146165GT	VALVE KIT,D03 includes two each index numbers 4, 5, and 6. kit comes with two inch screws, if customer needs four inch screws refer to 40617.	3
2	43255GT	SCREW,SHC,10-24 X 2	12
3	6607GT	WASHER,LOCK,#10 PLTD	12
4	223763GT	COIL WITH DE CONNECTOR previous coil part 41771 is no longer available, must upgrade original valve with a newer valve part 146165.	6
5	48648GT	O-RING, D03 COIL	6
6	48649GT	NUT-D03 COIL	6
7	52943GT	NUT, SOLENOID VALVE COIL	1
8	81044GT	COIL,SOLENOID,10DSD 10V,W/DIOD from SN 2745	1
8-	29744GT	COIL,10V to SN 2744	1
9	62247GT	VALVE,SOLENOID includes index numbers 7 and 8; from SN 2745	1
9-	29743GT	VALVE,SOLENOID includes index numbers 7 and 8; to SN 2744	1
10	33511GT	VALVE,CHECK,PILOT OPERATED	1
11	48640GT	VALVE,RELIEF,2500 PSI	1
12	48415GT	VALVE,RELIEF	1
13	62243GT	VALVE,FLOW REGULATOR .2 GPM	1
14	27802GT	VALVE,DIFFERENTIAL SENSING***	3
15	62244GT	VALVE,DIRECTIONAL,2POS.2WAY	1
16	32975GT	VALVE,FLOW REGULATOR 0.1 GPM	1
17	27807GT	VALVE,CHECK***	7
18	48641GT	VALVE,PROPORTIONAL, 12V ** includes 1 each of index numbers 20 through 22	1
18-	45914GT	O-RING, DO1 VALVE	1

506.1 Function Manifold



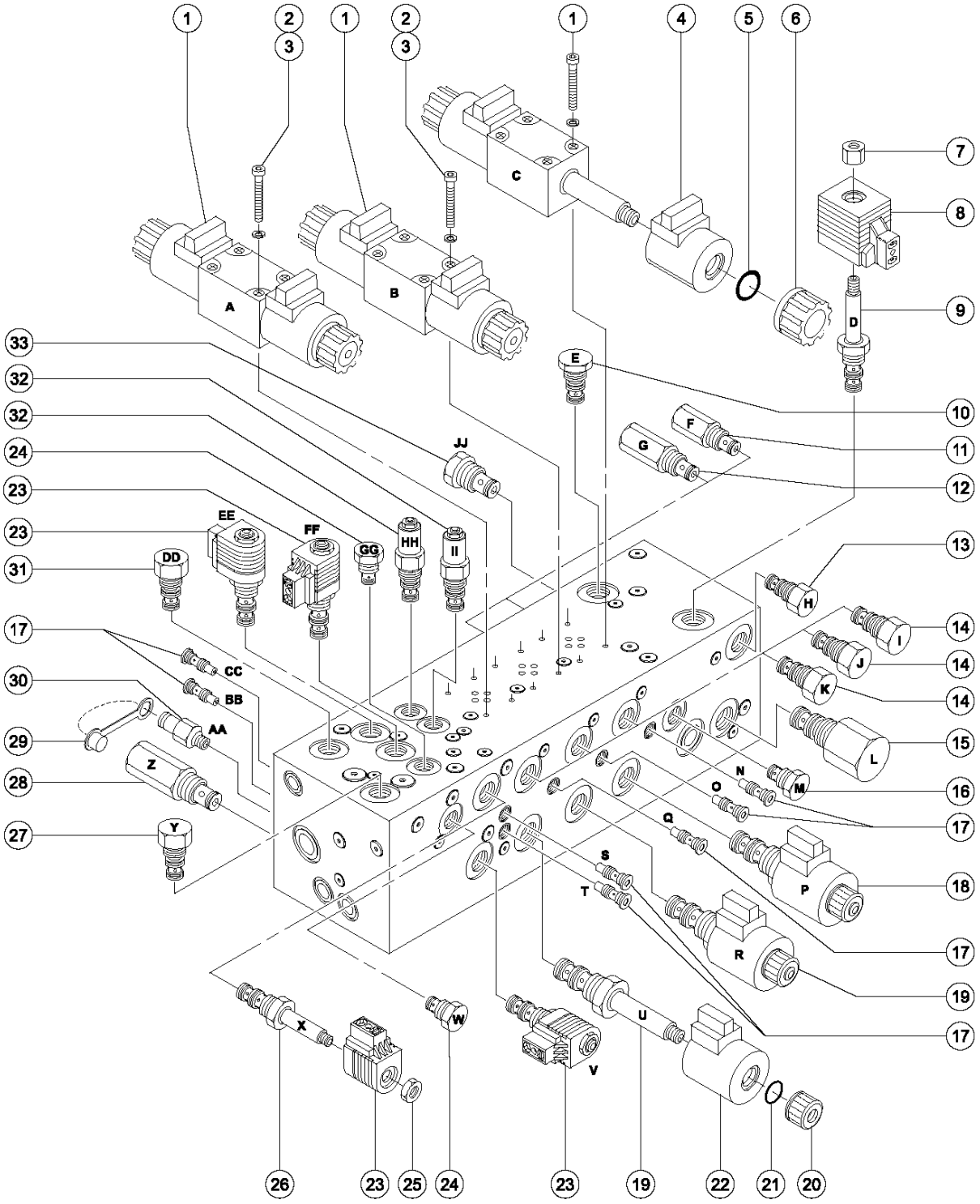
Item	Part No.	Description	Qty.
18-	21935GT	COIL, 12V, 19972/21623/29069	1
18-	45921GT	RETAINER-N.C.PROPOR.SOLENOID	1
19	27801GT	VALVE,PROPORTIONAL SOLENOID*** includes 2 each index numbers 20 and 21	2
20	45921GT	RETAINER-N.C.PROPOR.SOLENOID	3
21	45914GT	O-RING, DO1 VALVE	3
22	21935GT	COIL, 12V, 19972/21623/29069	3
23	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* (coil only), from SN 2745	4
23-	27814GT	COIL,SOLENOID,10V (coil only), to SN 2744	4
24	31100GT	VALVE,FLOW REGULATOR 0.6GPM	2
25	45912GT	NUT,SOLENOID VALVE 2P3W	4
26	62247GT	VALVE,SOLENOID Includes 1 each of index numbers 23 and 25; from SN 2745	4
26-	48642GT	VALVE-SOLENOID, 2POS,3WAY,10V Includes 1 each of index numbers 23 and 25; to SN 2744	4
27	27804GT	VALVE,DIFFERENTIAL SENSING***	1
28	35000GT	VALVE,RELIEF 2900 PSI***	1
29	48880GT	CAP,DIAGNOSTIC NIPPLE	1
30	48997GT	NIPPLE,DIAGNOSTIC,#4	1
30-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
31	34542GT	VALVE,FLOW REGULATOR 5.0 GPM	1
32	48647GT	VALVE,COUNTERBALANCE,3500 PSI*	2
32A	58994GT	SEAL KIT,VALVE (48647) for 48647	
33	32725GT	VALVE,CHECK (30797)	1
A		DO3 valve Turntable rotate left/right	
B		DO3 valve Boom up/down	
C		DO3 valve Boom extend/retract	
D		Solenoid Valve Hydraulic limit switch circuit	
E		Check valve Boom extend/retract circuit	
F		Relief valve Boom extend	
G		Relief valve Boom down	

506.1 Function Manifold



Item	Part No.	Description	Qty.
H		Flow regulator Hydraulic limit switch circuit	
I		Differential Sensing Boom extend/retract circuit	
J		Differential Sensing Boom up/down circuit	
K		Differential Sensing Turntable rotate left/right	
L		Directional valve Hydraulic limit switch circuit	
M		Flow regulator Bleeds off differential sensing Valve to tank	
N		Check valve Differential sensing circuit, boom extend/retract	
O		Check valve Differential sensing circuit, boom up/down	
P		Proportional solenoid valve Boom extend/retract	
Q		Check valve Differential sensing circuit, turntable left/right	
R		Proportional solenoid valve Boom up/down	
S		Check valve Differential sensing circuit, platform level up	
T		Check valve Differential sensing circuit, platform level down	
U		Proportional solenoid valve Turntable rotate left/right	
V		Solenoid valve Platform level up	
W		Flow regulator, 0.6 gpm Platform level circuit	
X		Solenoid valve Platform level down	
Y		Differential sensing valve Meters flow to functions	
Z		Relief valve, 2900 psi System relief	
AA		Diagnostic nipple Testing	
BB		Check valve Differential sensing circuit, platform rotate left	
CC		Check valve Differential sensing circuit, platform rotate right	
DD		Flow regulator Steer circuit	
EE		Solenoid valve Platform rotate left/Jib boom up	
FF		Solenoid valve Platform rotate right/Jib boom down	
GG		Flow regulator Platform rotate circuit	
HH		Counterbalance valve Platform level up	
II		Counterbalance valve Platform level down	

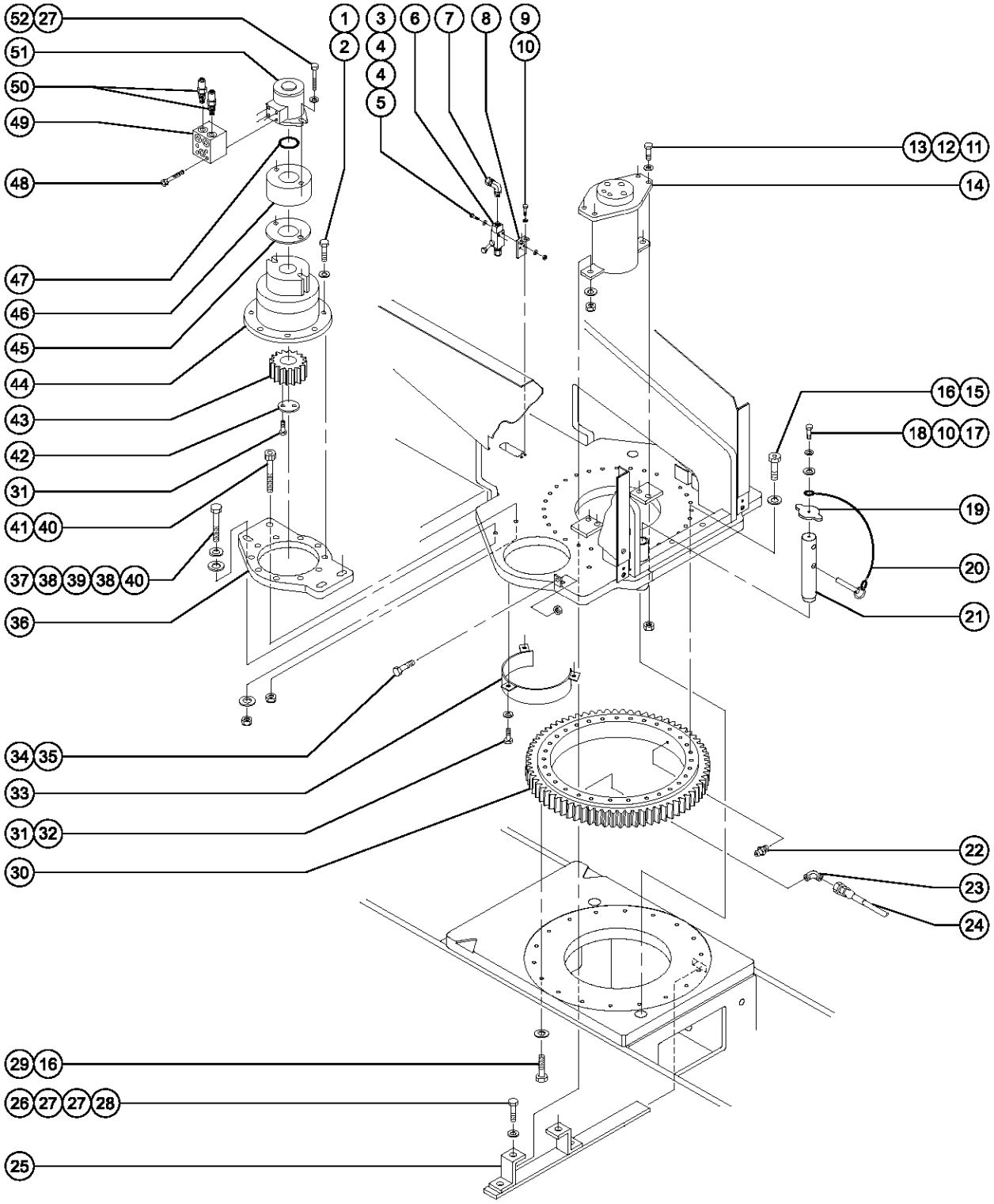
506.1 Function Manifold



506.1 Function Manifold

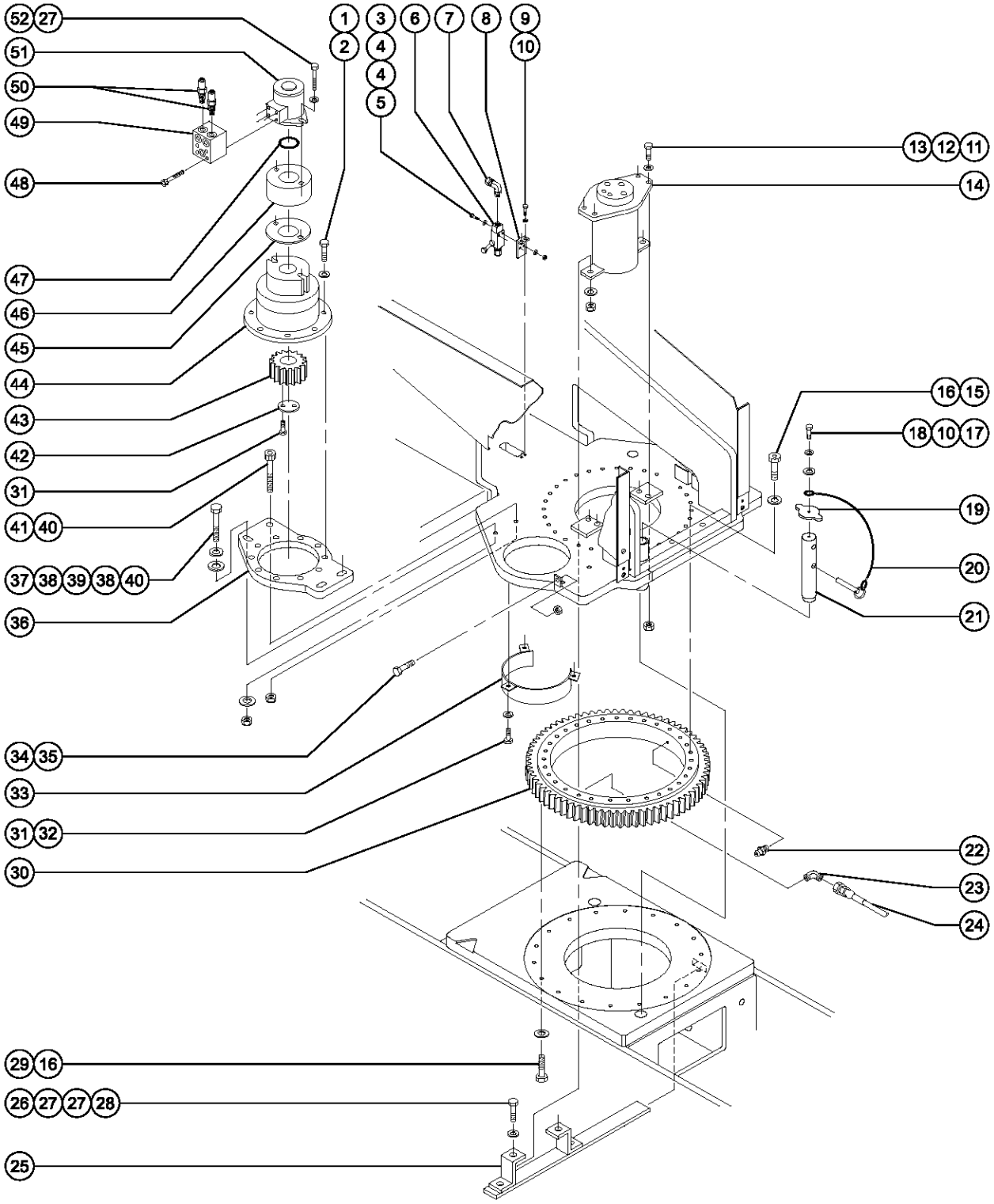
Item	*Part No.*	*Description*	*Qty.*
JJ		Check valve Boom extend/retract circuit	

507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation (to SN 2919)



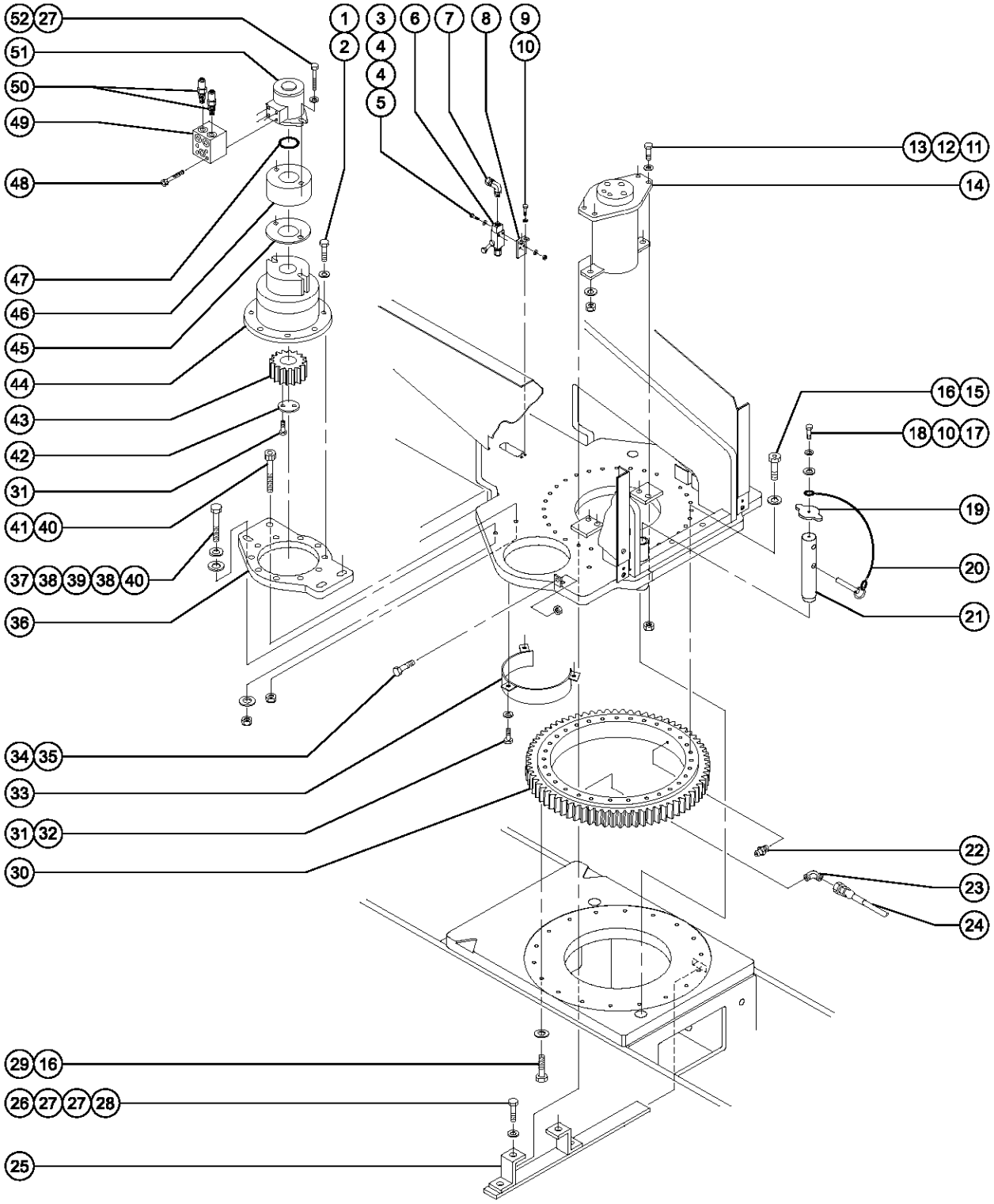
Item	Part No.	Description	Qty.
1	33557GT	SCREW,HHC,3/4-10 X 2.00,GR5	10
2	34550GT	WASHER,LOCK,.75 PLTD	10
3	22541GT	SCREW,RHM,10-32 X 1.5	2
4	6146GT	WASHER,FLAT,MS,#10,Y	4
5	6178GT	NUT, NYLOCK, 10-32	2
6	34961GT	SWITCH,LIMIT,W/ROLLER ARM	1
6-	19491GT	CONTACTOR,LIMIT SWITCH	1
7	29382GT	CONN. SQZ,1/2NPT .38-.50,90DEG	1
8	53632P-SGT	BRKT,LIM SW,DRIVE ENBL,PAINTED from SN 1459	1
8-	53632P-SGT	BRKT,LIM SW,DRIVE ENBL,PAINTED to SN 1458	1
9	6090GT	SCREW, HHC, 1/4-20 X .75	3
10	6356GT	WASHER,LOCK,.25	2
11	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
12	5397GT	WASHER, FLAT, USS, 5/16-18	4
13	4828GT	NUT, NYLOCK, 3/8-16	4
14	48541GT	HYD.SWIV.,9PORT S60,Z60	1
14-	49528GT	SEAL KIT,SWIVEL (48541)	1
14-	T106954GT	SEAL, O-RING LIP	
14-	T106955GT	SEAL, POLY, CHAMFER	
14-	T106956GT	SEAL,O-RING,SQUARE	
14-	T106958GT	SEAL, CAP	
14-	T106959GT	SEAL, CROWN, 2 PART	
14-	T106960GT	SEAL, CAP	
14-	216248GT	THRUST RING***	
14-	216249GT	RETAINING RING***	
15	45495GT	SCREW,SHC,5/8-11 X 3.00,A574	30
16	13064GT	WASHER,FLAT,.625 HARDENED	48
17	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 2617	1

507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation (to SN 2919)



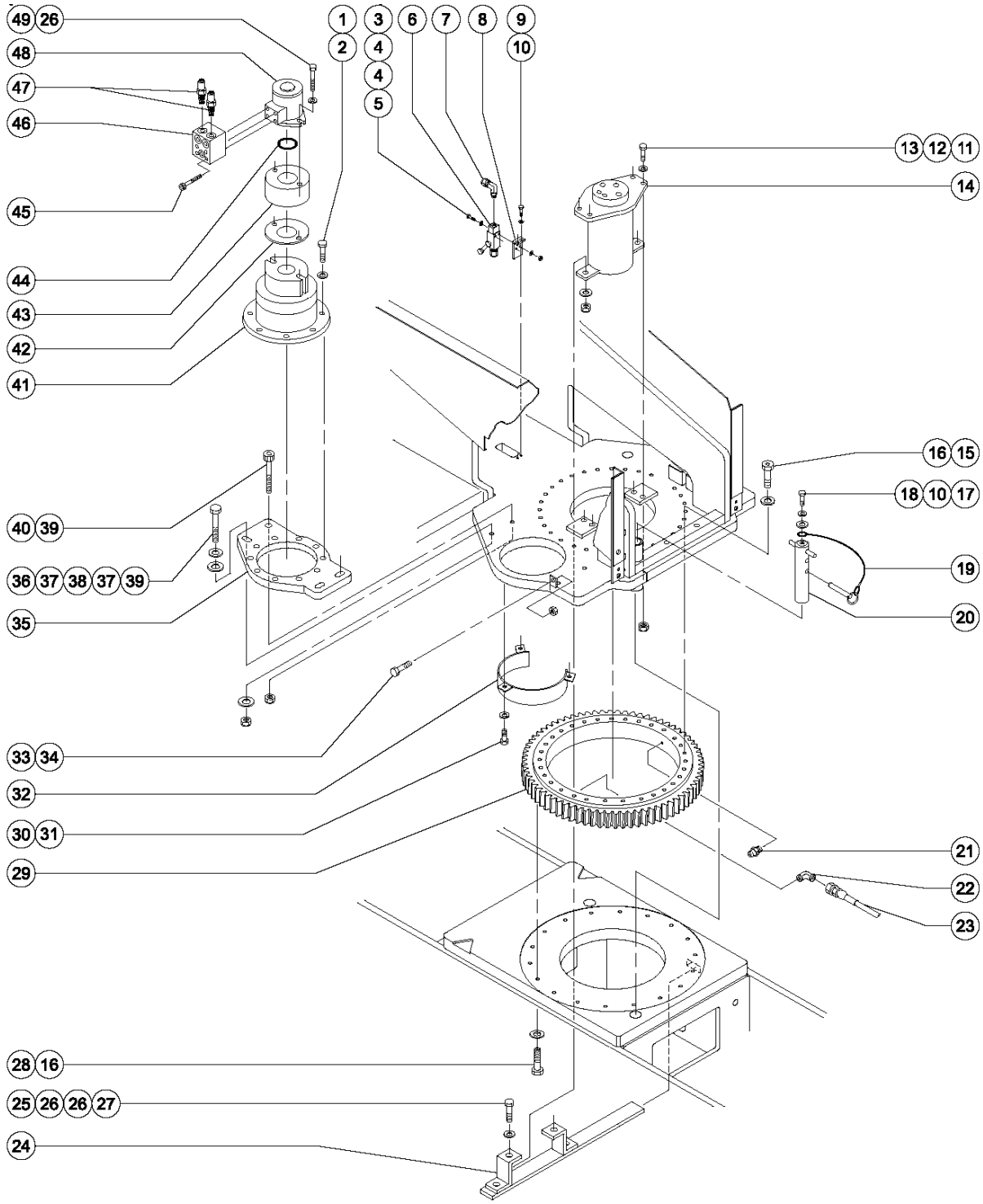
Item	Part No.	Description	Qty.
17-	7339GT	SCREW,HHC,1/4-20 X .5 to SN 2616	1
18	6638GT	WASHER, FLAT, USS, 1/4"Y	1
19	73835GT	PLATE,PIN RETAINER from SN 2617	1
20	11637GT	PIN ASSY, RETAINER, SS I & II	1
21	73836GT	PIN,ROTATION STOP from SN 2617	1
21-	33471GT	PIN ASSEMBLY,TURNTABLE ROTAT. includes 1 each of index number 10 and index numbers 17, 18, 20; to SN 2616	1
22	49520GT	FITTING,070302-4	1
23	48887GT	ELBOW,90D, 070202-4	1
24	49189-2963GT	HOSE ASSEMBLY,1/4"	1
25	49458-SGT	WLDMT.HYD.,SWIVEL MNT.,S60,S80	1
26	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
27	13066GT	WASHER,FLAT,.5 HARDENED	6
28	6198GT	NUT, NYLOCK, 1/2-13	2
29	20654GT	SCREW,SHC,5/8-11 X 3.50,A574	18
30	30895GT	BEARING,TURNTABLE	1
30-	227785GT	BEARING TURNTABLE SEAL***	
31	65875GT	SCREW,FHS,1/2-13 X 1 (34363)	5
32	6021GT	WASHER, LOCK, .375	3
33	73862PGT	FORMING,PINION GUARD,PAINTED	1
34	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	1
35	6034GT	NUT,HEX,JAM,1/2-13	1
36	34330GT	PLATE,BACKLASH ADJUSTMENT	1
37	34347GT	SCREW,HHC,3/4-10 X 4.5	3
38	33278GT	WASHER, FLAT, .75 HARDENED	6
39	10256GT	WASHER,FLAT,USS,3/4",Y	3
40	6024GT	NUT,NYLOCK,5/8-11	4
41	34710GT	SCREW,SHS,5/8-11 X 3	1
42	34766GT	RETAINER PLATE,PINION GEAR***	1

507.1 Turntable Rotator and Hydraulic Rotary Coupler Installation (to SN 2919)



Item	Part No.	Description	Qty.
43	34363GT	PINION GEAR(SET)	1
44	32953GT	TORQUE HUB,55:1 (34114)	1
44-	33447GT	SEAL KIT,TORQUE HUB (32953)	1
45	19794GT	GASKET,BRAKE ASSY	1
46	73919GT	BRAKE,1200 INLB*** includes index numbers 45 and 47; to SN 2666	1
46-	29291GT	SEAL KIT,MICO to SN 2666	1
46-	41918GT	LINING KIT,MICO BRAKE to SN 2666	1
46-	29293GT	BEARING KIT,MICO to SN 2666	1
46-	73919GT	BRAKE,1200 INLB*** includes index numbers 45 and 47; from SN 2667	1
46-	75659GT	SEAL KIT, AUSCO (73918) from SN 2667	1
46-	75658GT	LINING KIT,AUSCO (73918)*** from SN 2667	1
46-	65608GT	BEARING KIT, AUSCO*** from SN 2667	1
47	22811GT	O-RING,MOTOR TO BRAKE*** measures approx 4" x 0.10"	1
48	37218GT	SCREW,HHC,5/16-18 X 3.00	4
49	53996GT	MANIFOLD,SWING CB & BRAKE includes index number 50	1
49-	31519GT	O-RING (2-114)	1
50	65512GT	VALVE,COUNTERBALANCE	2
51	32952GT	MOTOR,TURNTABLE ROT.(34114)***	1
51-	33445GT	SEAL KIT,DRIVE MOTOR (32952)	1
51-	53999GT	MOTOR,TURNTABLE ROTATE** from SN 2667	1
51-	65616GT	SEAL KIT PWR WHL MOTOR from SN 2667	1
52	13854GT	SCREW,HHC,1/2-13 X 4.5,GRD.8	2

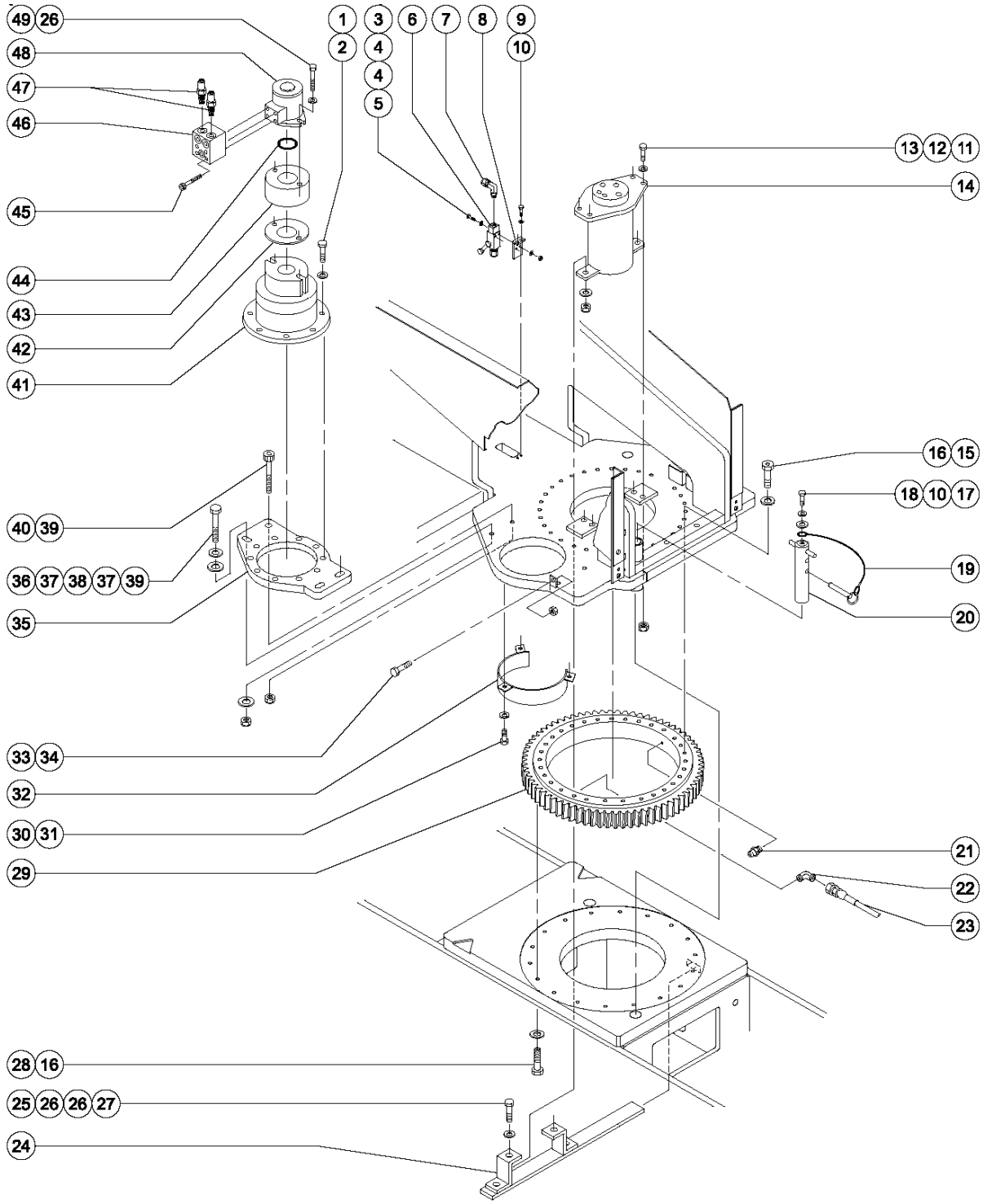
507.2 Turntable Rotator and Hydraulic Rotary Coupler Installation (from SN 2920)



507.2 Turntable Rotator and Hydraulic Rotary Coupler Installation (from SN 2920)

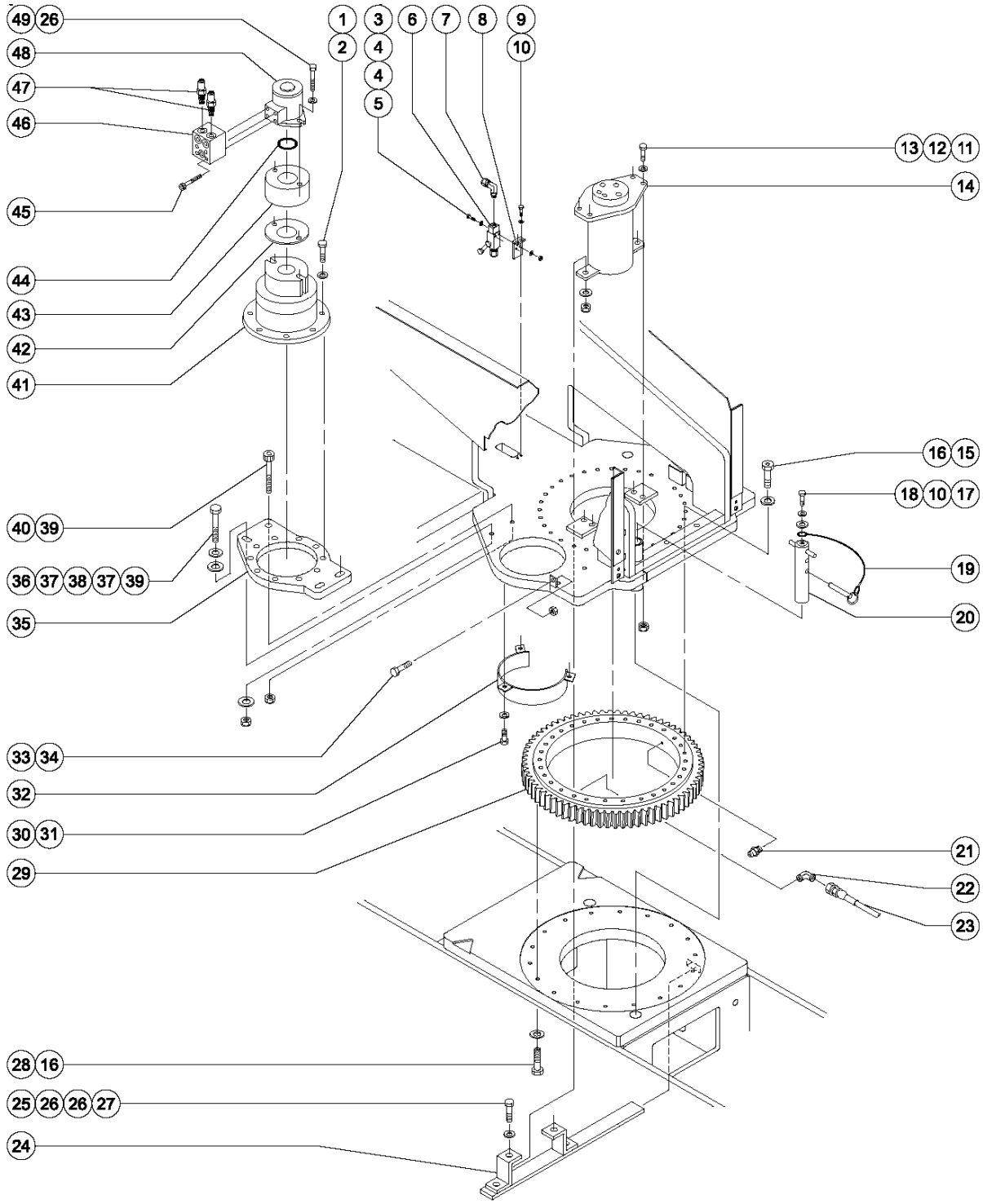
Item	Part No.	Description	Qty.
1	22788GT	SCREW,HHC,1/2-13 X 1.75	9
2	6033GT	WASHER,LOCK,0.5"	9
3	22541GT	SCREW,RHM,10-32 X 1.5	2
4	6146GT	WASHER,FLAT,MS,#10,Y	4
5	6178GT	NUT, NYLOCK, 10-32	2
6	34961GT	SWITCH,LIMIT,W/ROLLER ARM	1
6-	19491GT	CONTACTOR,LIMIT SWITCH	1
7	29382GT	CONN. SQZ,1/2NPT .38-.50,90DEG	1
8	53632P-SGT	BRKT,LIM SW,DRIVE ENBL,PAINTED	1
9	6090GT	SCREW, HHC, 1/4-20 X .75	3
10	6356GT	WASHER,LOCK,.25	2
11	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
12	5397GT	WASHER, FLAT, USS, 5/16-18	4
13	4828GT	NUT, NYLOCK, 3/8-16	4
14	48541GT	HYD.SWIV.,9PORT S60,Z60	1
14-	49528GT	SEAL KIT,SWIVEL (48541)	1
14-	216248GT	THRUST RING***	
14-	216249GT	RETAINING RING***	
17-	T106954GT	SEAL, O-RING LIP	
17-	T106955GT	SEAL, POLY, CHAMFER	
17-	T106956GT	SEAL,O-RING,SQUARE	
17-	T106958GT	SEAL, CAP	
17-	T106959GT	SEAL, CROWN, 2 PART	
17-	T106960GT	SEAL, CAP	
15	45495GT	SCREW,SHC,5/8-11 X 3.00,A574	30
16	13064GT	WASHER,FLAT,.625 HARDENED	48
17	6090GT	SCREW, HHC, 1/4-20 X .75	1
18	73835GT	PLATE,PIN RETAINER	1

507.2 Turntable Rotator and Hydraulic Rotary Coupler Installation (from SN 2920)



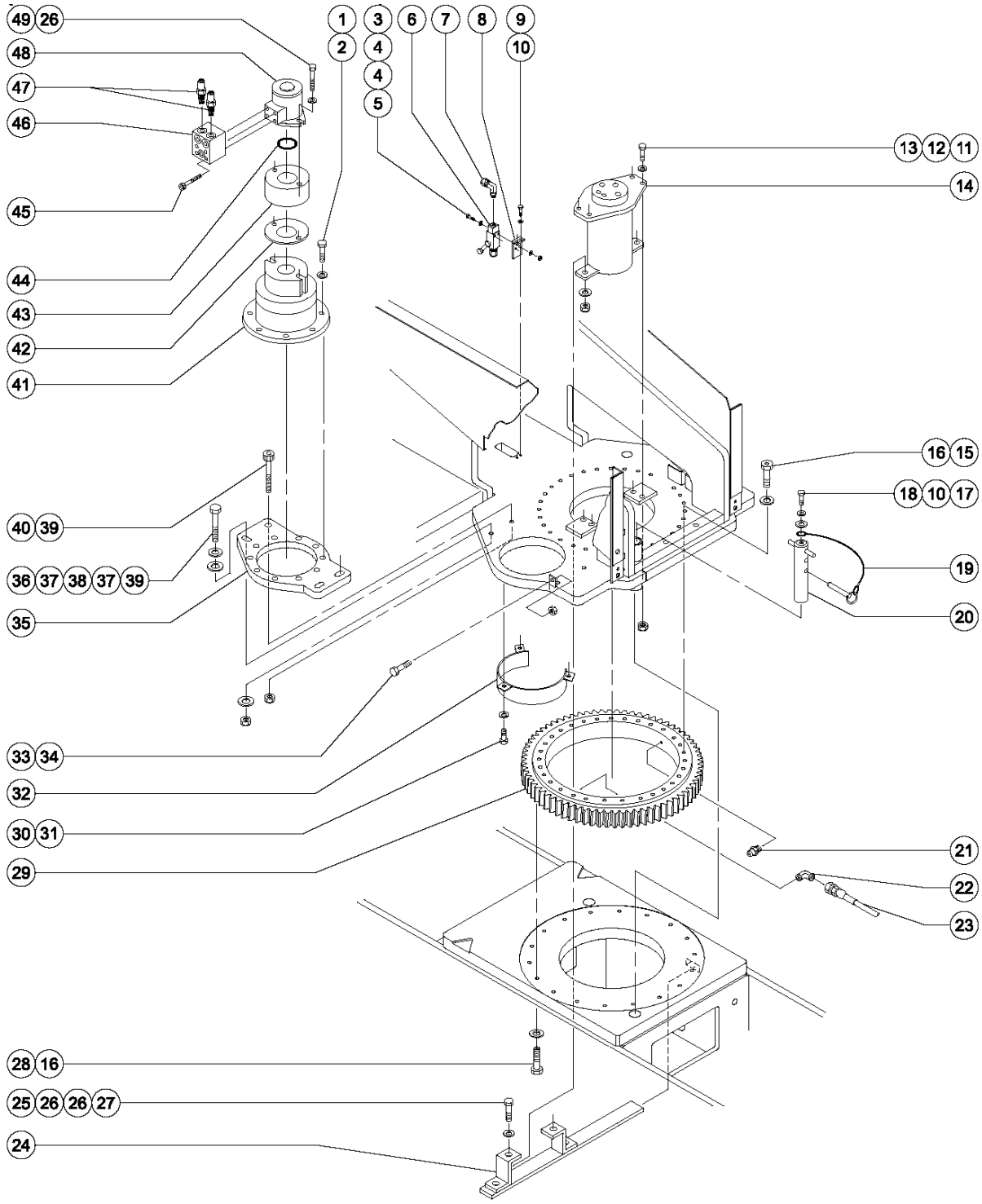
Item	Part No.	Description	Qty.
19	11637GT	PIN ASSY, RETAINER, SS I & II	1
20	73836GT	PIN,ROTATION STOP	1
21	49520GT	FITTING,070302-4	1
22	48887GT	ELBOW,90D, 070202-4	1
23	49189-2963GT	HOSE ASSEMBLY,1/4"	1
24	49458-SGT	WLDMT.HYD.,SWIVEL MNT.,S60,S80	1
25	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
26	13066GT	WASHER,FLAT,.5 HARDENED	6
27	6198GT	NUT, NYLOCK, 1/2-13	2
28	20654GT	SCREW,SHC,5/8-11 X 3.50,A574	18
29	30895GT	BEARING,TURNTABLE	1
29-	227785GT	BEARING TURNTABLE SEAL***	
30	65875GT	SCREW,FHS,1/2-13 X 1 (34363)	5
31	6021GT	WASHER, LOCK, .375	3
32	73862PGT	FORMING,PINION GUARD,PAINTED	1
33	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	1
34	6034GT	NUT,HEX,JAM,1/2-13	1
35	34762GT	BACKLASH ADJMNT PLATE S60	1
36	34347GT	SCREW,HHC,3/4-10 X 4.5	3
37	33278GT	WASHER, FLAT, .75 HARDENED	6
38	10256GT	WASHER,FLAT,USS,3/4",Y	3
39	6024GT	NUT,NYLOCK,5/8-11	4
40	34710GT	SCREW,SHS,5/8-11 X 3	1
41A	1255768GT	SWING DRIVE ASSEMBLY (Complete) swing drive 1255768 can be installed as a direct replacement of previous swing drives 139189, 88921, and 81367	
41A-	1315824GT	BEARING/SEAL KIT (1255768)	
41A-	139308GT	SWING MOTOR COMPLETE*** (Used on swing drive 1255768)	
41A-	139309GT	CBV ASSEMBLY*** (Used on swing drive 1255768)	
41A-	139323GT	VALVE,COUNTERBAL,CBCA-LIN*** (Used on swing drive 1255768)	

507.2 Turntable Rotator and Hydraulic Rotary Coupler Installation (from SN 2920)



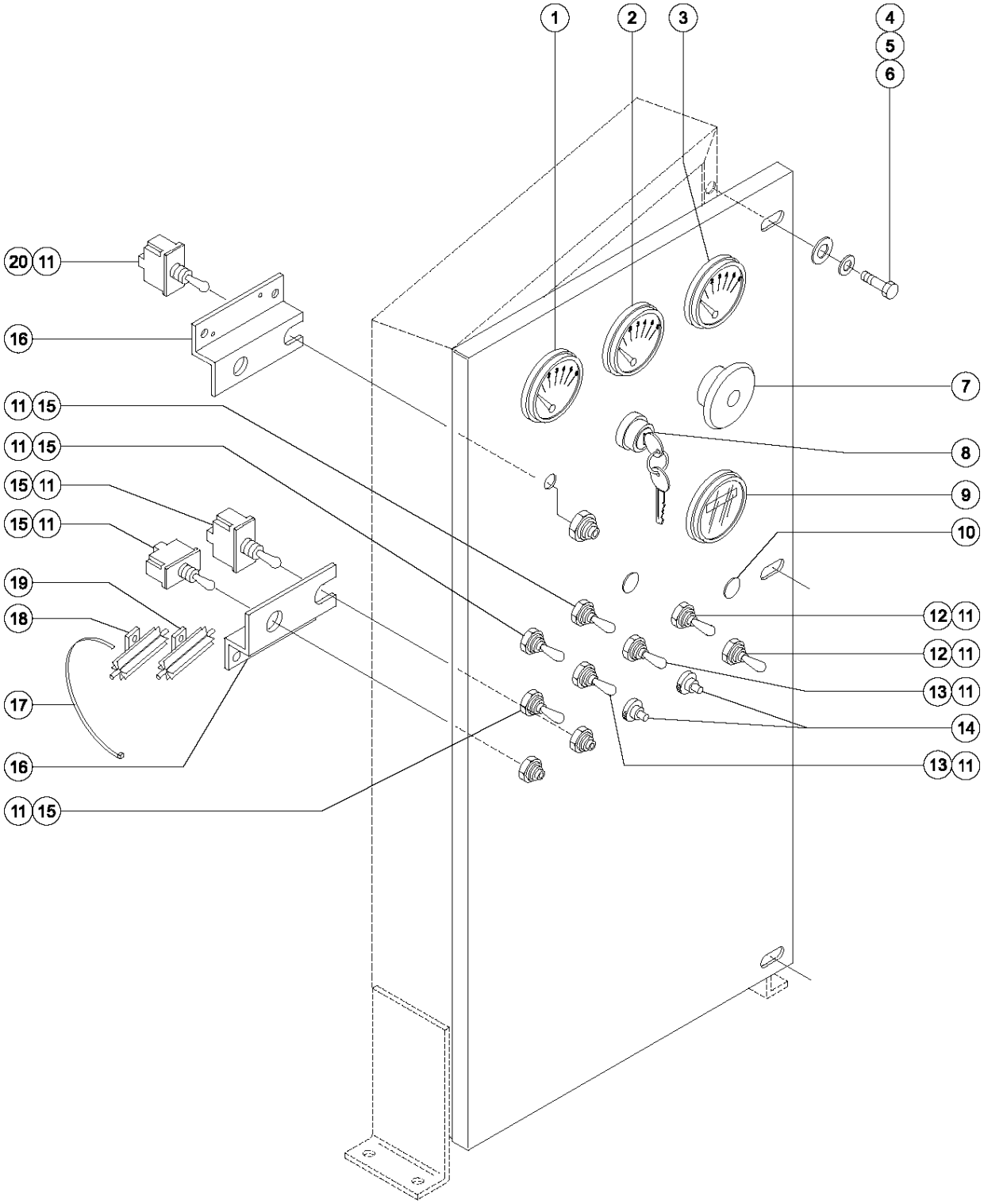
Item	Part No.	Description	Qty.
41A-	139315GT	O-RING,MOTOR/BRAKE*** (Used on swing drive 1255768)	
41A-	58304GT	SHAFT,OUTPUT (Used on swing drive 1255768)	
41A-	1255769GT	SEAL KIT, SWING BRAKE (Used on swing drive 1255768)	
41A-	1255770GT	KIT, FRICTION DISC (Used on swing drive 1255768)	
41A-	1255771GT	KIT, BRAKE SPRING (Used on swing drive 1255768)	
41A-	1255772GT	KIT, SWING BRAKE REBUILD (Used on swing drive 1255768)	
41A-	1255773GT	BRAKE TUBING (Used on swing drive 1255768)	
41A-	41489GT	SCREW,SHC,5/16-18 X 2,PLATED manifold to motor,	
41A-	6886GT	WASHER,LOCK,.313 manifold to motor	
41B-		Ref. SWING DRIVE ASSEMBLY Previous SWING DRIVE ASSEMBLY 139189 is no longer available, order complete assembly 1255768 for first time replacement	
41B-	139310GT	BRAKE TUBING*** use with swing drive 139189	
41B-	139311GT	KIT,FRICTION DISC*** use with swing drive 139189	
41B-	139312GT	KIT,BRAKE SPRING*** use with swing drive 139189	
41B-	139313GT	SEAL KIT,SWING BRAKE*** use with swing drive 139189	
41B-	139314GT	KIT,SWING BRAKE REBUILD*** use with swing drive 139189	
41B-	58304GT	SHAFT,OUTPUT use with swing drive 139189 or 88921	
41B-	83124GT	DRAIN PLUG use with swing drive 139189	
41C	58596GT	BEARING KIT,OUTER (88921) use with swing drive 88921	
41C	58597GT	BEARING KIT,INNER (88921) use with swing drive 88921	
41C	29290GT	SEAL KIT,FAIRFIELD (S1A2)*** does not include thrust washer part 21148, use with swing drive 139189, 88921 or 81367	
41C	21148GT	WASHER,THRUST,TORQUE HUB use with swing drive 139189, 88921 or 81367	
42	19794GT	GASKET,BRAKE ASSY use with swing drive 88921 or 81367	1
43	94622GT	BRAKE PORT HARDLINE use with swing drive 88921	
43-	94623GT	KIT,FRICTION DISC use with swing drive 88921	
43-	94624GT	KIT,BRAKE SPRING use with swing drive 88921	
43-	94625GT	SEAL KIT,SWING BRAKE use with swing drive 88921	
43-	94626GT	KIT,SWING BRAKE REBUILD use with swing drive 88921	
43	81331GT	BRAKE,900 IN*LB use with swing drive 81367	1

507.2 Turntable Rotator and Hydraulic Rotary Coupler Installation (from SN 2920)



Item	Part No.	Description	Qty.
43-	65619GT	HARDLINE, BRAKE PORT use with swing drive 81367	
43-	65618GT	SEAL KIT,BRAKE*** use with swing drive 81367	
44	139315GT	O-RING,MOTOR/BRAKE*** use with swing drive 139189	
44-	22811GT	O-RING,MOTOR TO BRAKE*** use with swing drive 81367; measures approx 4" x 0.10"	1
44-	58387GT	O-RING,MOTOR/BRAKE (88921)*** use with swing drive 88921	
45	41489GT	SCREW,SHC,5/16-18 X 2,PLATED manifold to motor	4
45-	6886GT	WASHER,LOCK,.313 manifold to motor	
46	139309GT	CBV ASSEMBLY*** use with swing drive 139189	
46-	139323GT	VALVE,COUNTERBAL,CBCA-LIN*** use with swing drive 139189	
46-	81366GT	MANIFOLD,SWING CB & BRAKE use with swing drive 88921 or 81367	1
46-	45483GT	VALVE,SHUTTLE*** use with swing drive 88921 or 81367	
46-	31519GT	O-RING (2-114) use with swing drive 88921 or 81367	
47	83009GT	VALVE,COUNTERBALANCE(81366)*** use with swing drive 88921 or 81367	2
48	139308GT	SWING MOTOR COMPLETE*** use with swing drive 139189	
48-	53999GT	MOTOR,TURNTABLE ROTATE** use with swing drive 81367	1
48-	94621GT	SWING MOTOR,COMPLETE*** use with swing drive 88921	
48-	65616GT	SEAL KIT PWR WHL MOTOR use with swing motor 94621 or 53999	
49	13854GT	SCREW,HHC,1/2-13 X 4.5,GRD.8	2

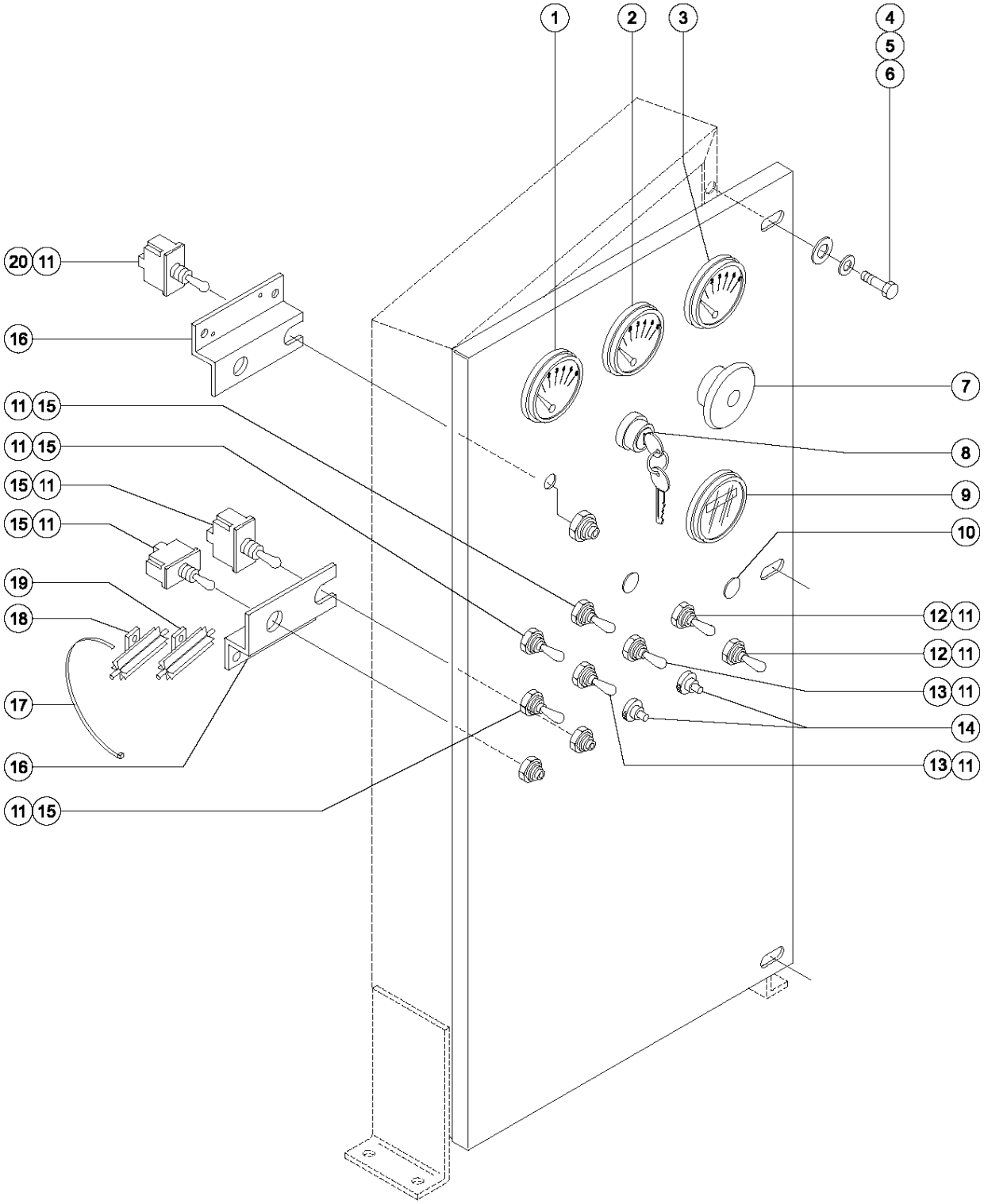
508.1 Ground Controls - View 1



508.1 Ground Controls - View 1

Item	Part No.	Description	Qty.
1	53759-SGT	GAUGE,WATER TEMP includes mounting bracket and fasteners; Gasoline/LPG Models	1
1-	53760-SGT	GAUGE,OIL TEMP includes mounting bracket fasteners; Diesel Models	1
2	53758-SGT	GAUGE,OIL PRESSURE W/O SENDER includes mounting bracket and fasteners	1
3	53761-SGT	GAUGE,VOLTAGE includes mounting bracket and fasteners	1
4	6090GT	SCREW, HHC, 1/4-20 X .75	3
5	6356GT	WASHER,LOCK,.25	3
6	6638GT	WASHER, FLAT, USS, 1/4"Y	3
7	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
7-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
7-	66818GT	CONTACT,NC includes 1 each N.C. contacts	1
7-	66821GT	BASE,WITHOUT CONTACTS	1
7-	146478GT	BOOT(BELLOWS),E-STOP,BLACK	
8	122512GT	KIT,KEYSWITCH SVC BB & SM BOOM (ANSI, CSA and Australia models), includes parts 66811, 66821, 66816and 122366KEYSWITCH,CONTACTS LOCK	1
8-	122606GT	KIT,KEYSWITCH SVC BB&SM CE (CE models)	1
8-	122366GT	KEYSWITCH,CONTACTS LOCK	1
8-	66811GT	KEYSWITCH,3POS.MNTND.DR WKEY** includes keyswitch and two keys, not included: base or contacts.	1
8-	66816GT	CONTACT,N.O.***	1
8-	66821GT	BASE,WITHOUT CONTACTS	1
9	19506GT	HOUR METER, 10-80 VOLTS*** includes mounting bracket	1
10	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	2
10-	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG Models, (Complete LED light assembly)	1
10-			1
10-	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Diesel models	1
11	27246GT	BOOT,TOGGLE SWITCH,SHORT*	9
12	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners	3
13	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT includes mounting fasteners; Gasoline/LPG Models	2
13-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	2
14	147094GT	ASSY, CIRCUIT BREAKER 15A includes mounting fasteners	2

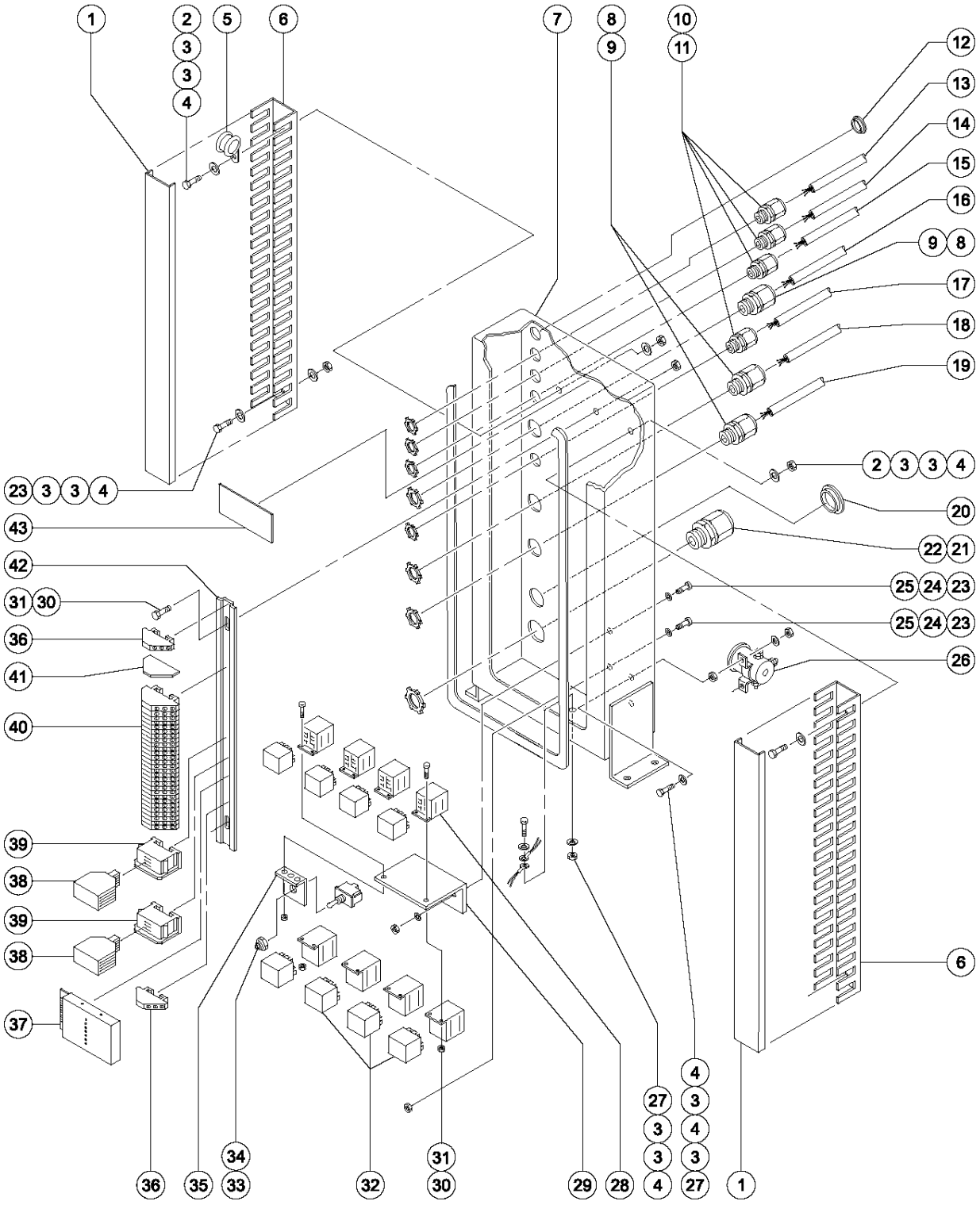
508.1 Ground Controls - View 1



508.1 Ground Controls - View 1

Item	*Part No.*	*Description*	*Qty.*
15	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM includes mounting fasteners	5
16	53820GT	BRACKET, PANEL WIRE MOUNTING	2
17	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT	2
18	27287GT	RESISTOR,10 OHM,25 WATT	1
19	46678GT	RESISTOR,14 OHM,25 WATT	1
20	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes mounting fasteners	1
20-	13471GT	COVER, AUXILIARY POWER SWITCH to SN 2286	1

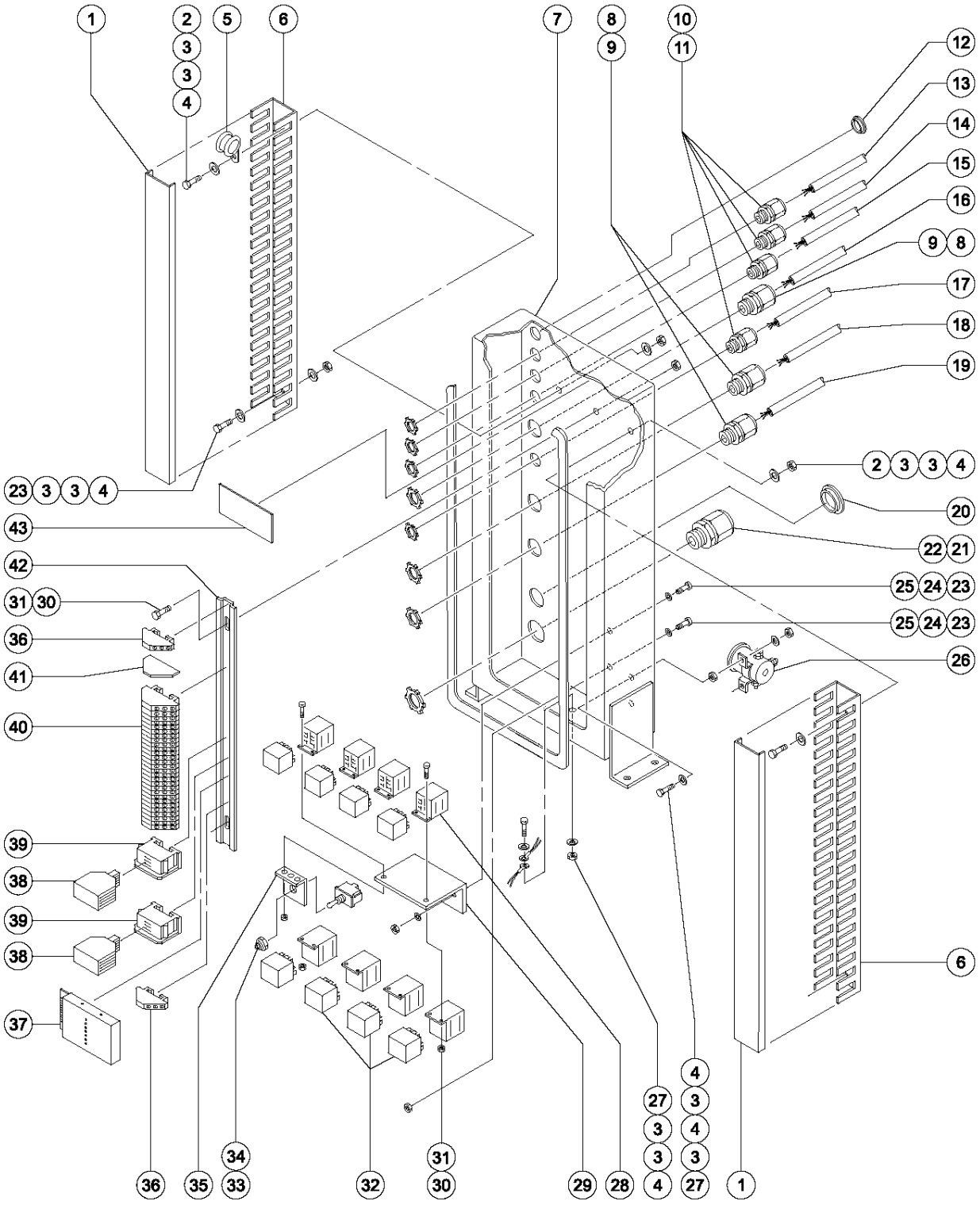
509.1 Ground Controls - View 2



509.1 Ground Controls - View 2

Item	Part No.	Description	Qty.
	33996GT	SCREWDRIVER,TERMINAL BLOCK	
1	1262218GT	COVER, DUCT, WIRING replaced 28299	2
2	6888GT	SCREW, HHC, 1/4-20 X 1	2
3	6638GT	WASHER, FLAT, USS, 1/4"Y	19
4	6091GT	NUT,NYLOCK,1/4-20	11
5	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
6	28298GT	WIRING DUCT, 1.5 X 1.5	2
7	35811GT	CONTROL BOX W/LID&DECAL,GRND	1
7-	121599GT	GASKET,GBOX,S80/85 2008	1
8	12960GT	CABLE SQUEEZE CONN.,XTRA LRG	3
9	14041GT	LOCKNUT,ELECTRIC,3/4"	3
10	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	4
11	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	4
12	15243GT	PLUG,NYLON .875 BLACK DOMED	1
13	43960GT	WIRE CABLE,16/4 CON.TPE JKT	240 inches
14	43960GT	WIRE CABLE,16/4 CON.TPE JKT	226 inches
15	43960GT	WIRE CABLE,16/4 CON.TPE JKT	120 inches
16	48533GT	WIRE CABLE,18GA/19 CON.BNDREX S-80	1224 inches
17	43955GT	WIRE CABLE,12/3 CON.TPE JKT	1224 inches
18	48533GT	WIRE CABLE,18GA/19 CON.BNDREX	1224 inches
19	35934GT	WIRE CABLE,18/19 CON.TPRJKT	60 inches
20	45385GT	PLUG,NYLON 1.12 BLACK DOMED	1

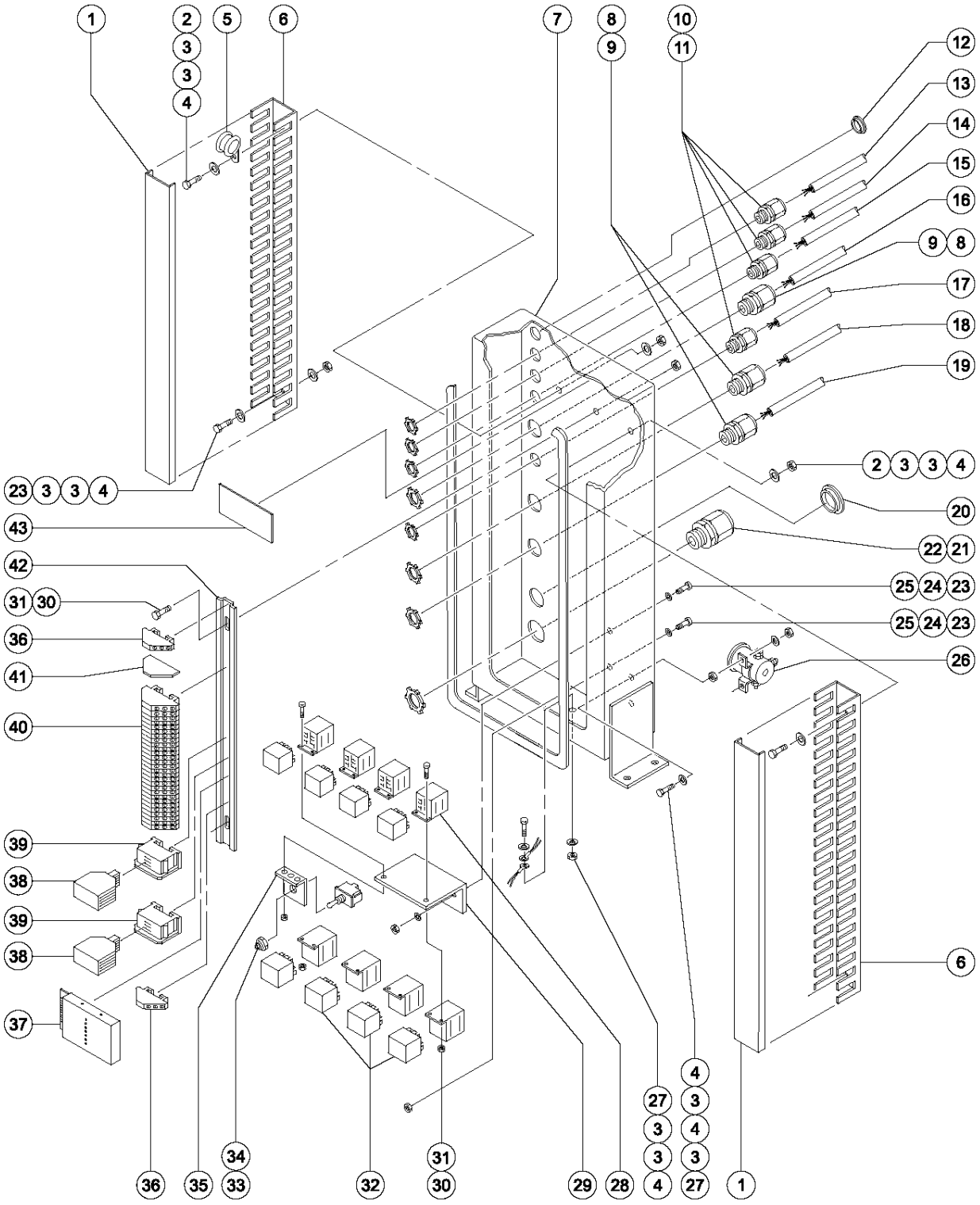
509.1 Ground Controls - View 2



509.1 Ground Controls - View 2

Item	Part No.	Description	Qty.
21	20776GT	CABLE SQUEEZE CONN	1
22	18665GT	LOCKNUT,ELECTRIC,1" NPT	1
23	8914GT	SCREW, HHC, 1/4-20 X .625	4
24	6356GT	WASHER,LOCK,.25	2
25	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	2
26	53967GT	SOLENOID,12V CONTINOUS	1
27	6090GT	SCREW, HHC, 1/4-20 X .75	3
28	34053GT	ASSY,RELAY SOCKET, AUTO Gasoline/LPG Models	6
28-	34053GT	ASSY,RELAY SOCKET, AUTO Diesel Models	6
28-	34054GT	TERM,RELAY N-INSULATED 10-12 G	6
28-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	6
28-	34056GT	TERM,RELAY,N-INSULATE 18-20 GA	6
29	34057GT	ANGLE,RELAY MOUNTING	1
30	6178GT	NUT, NYLOCK, 10-32	6
31	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	6
32	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Gasoline/LPG Models	6
32-	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Diesel Models	7
33	27246GT	BOOT,TOGGLE SWITCH,SHORT* Gasoline/LPG Models	1
34	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM Gasoline/LPG Models	1
35	49743GT	BRACKET,TOGGLE SWITCH Gasoline/LPG Models	1
36	25974GT	PLASTIC END STOP	2
37	56057GT	MODULE,IGNITION/START,12/24V from SN 2600	1
37-	56057GT	MODULE,IGNITION/START,12/24V to SN 2599	1
38	25807GT	DIODE BLOCK SUPPRESSION	2
39	25808GT	CARRIER TERMINAL(5 PER BLOCK)	2
40	32637GT	TERMINAL BLOCK,WAGO	44
40-	32638GT	TERMINAL BLOCK,WAGO	2
41	25837GT	TERMINAL STRIP END PLATE	1

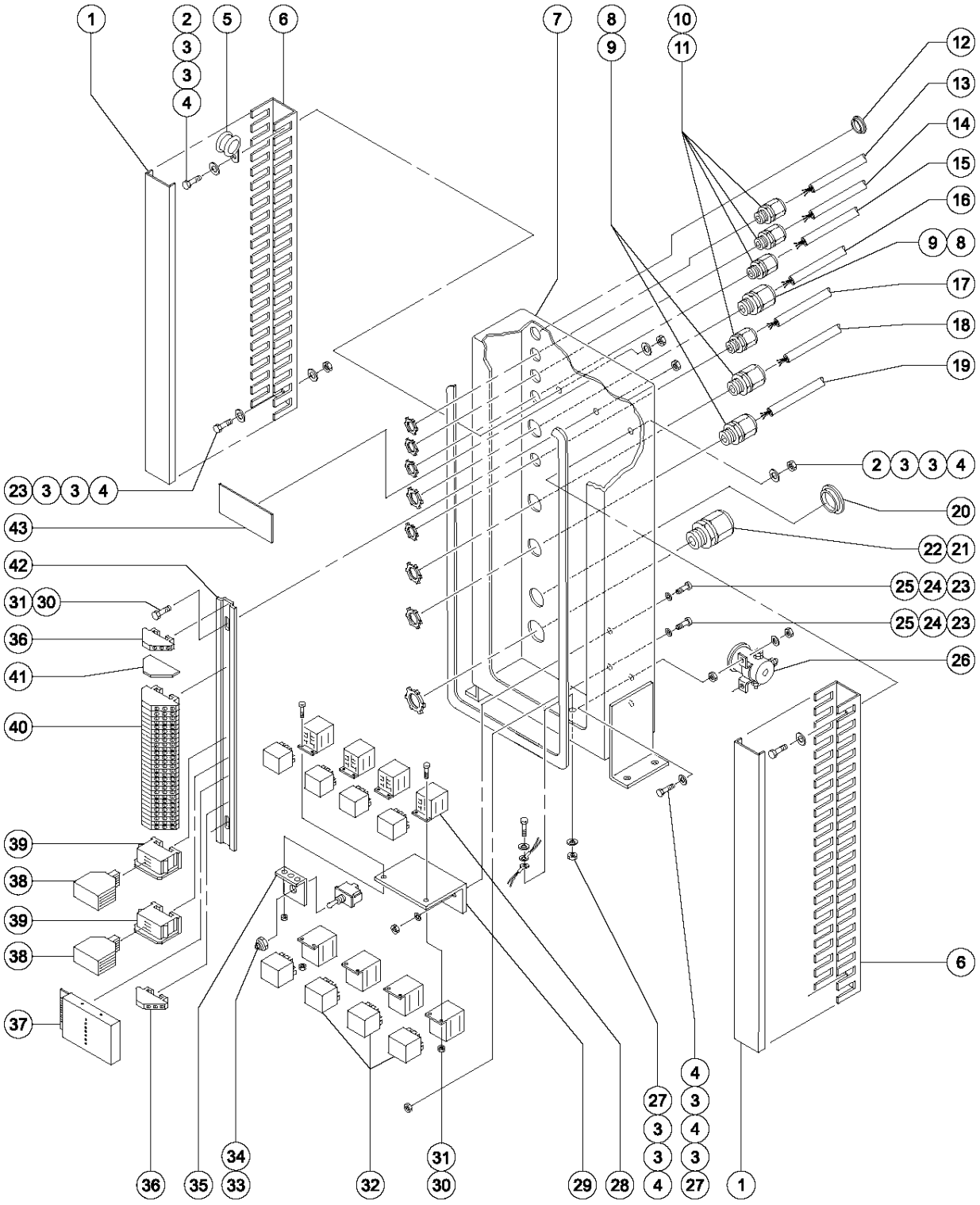
509.1 Ground Controls - View 2



509.1 Ground Controls - View 2

Item	*Part No.*	*Description*	*Qty.*
42	28310GT	DIN RAIL,23.75"	1
43	30997GT	CORROSION INHIBITOR,FOAM	1

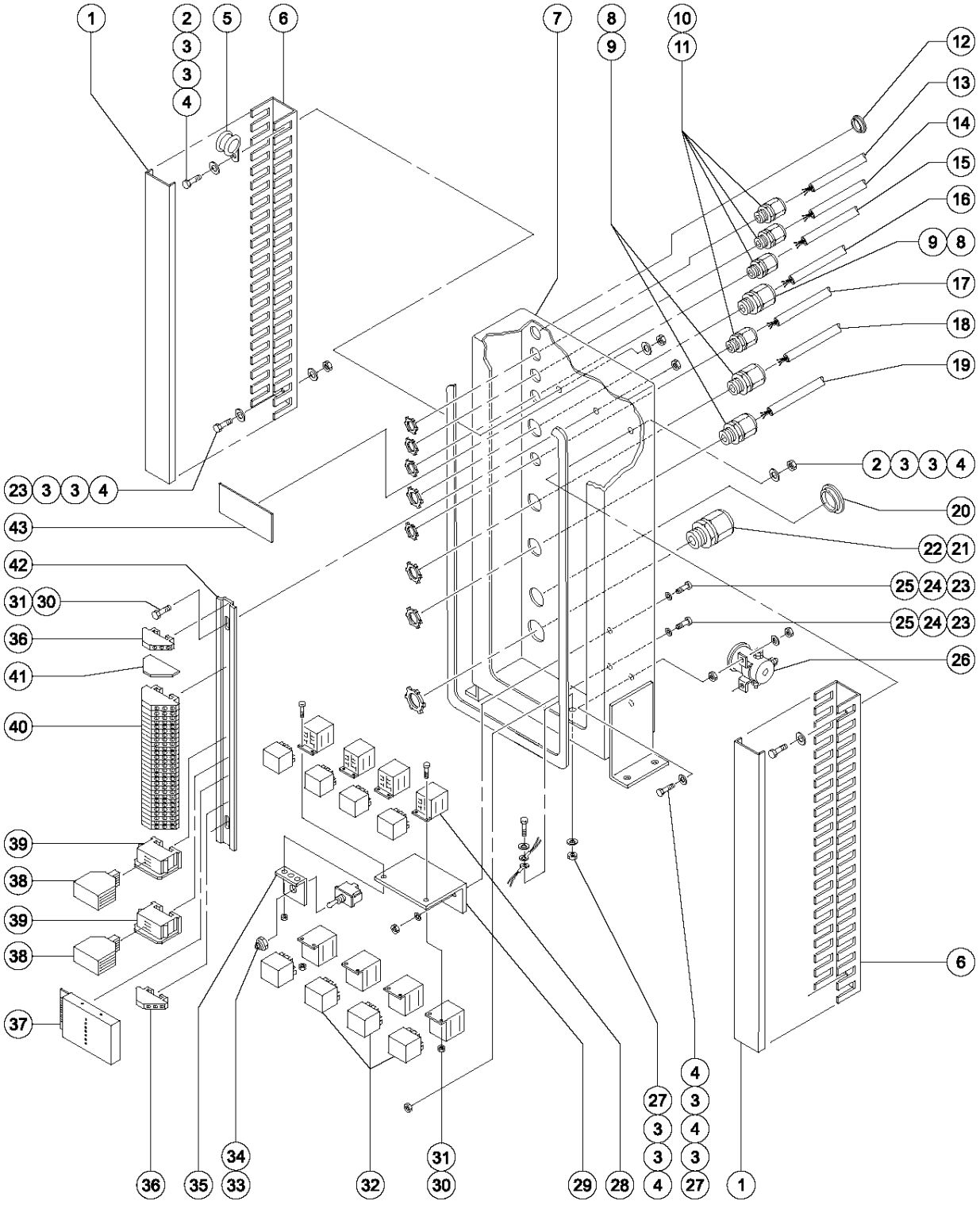
509.2 Ground Controls - View 2



509.2 Ground Controls - View 2

Item	Part No.	Description	Qty.
	33996GT	SCREWDRIVER,TERMINAL BLOCK	
1	1262218GT	COVER, DUCT, WIRING replaced 28299	2
2	6888GT	SCREW, HHC, 1/4-20 X 1	2
3	6638GT	WASHER, FLAT, USS, 1/4"Y	19
4	6091GT	NUT,NYLOCK,1/4-20	11
5	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
6	28298GT	WIRING DUCT, 1.5 X 1.5	2
7	35811GT	CONTROL BOX W/LID&DECAL,GRND	1
7-	121599GT	GASKET,GBOX,S80/85 2008	1
8	12960GT	CABLE SQUEEZE CONN.,XTRA LRG	3
9	14041GT	LOCKNUT,ELECTRIC,3/4"	3
10	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	4
11	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	4
12	15243GT	PLUG,NYLON .875 BLACK DOMED	1
13	43960GT	WIRE CABLE,16/4 CON.TPE JKT	240 inches
14	43960GT	WIRE CABLE,16/4 CON.TPE JKT	226 inches
15	43960GT	WIRE CABLE,16/4 CON.TPE JKT	120 inches
16	48533GT	WIRE CABLE,18GA/19 CON.BNDREX S-85	1296 inches
17	43955GT	WIRE CABLE,12/3 CON.TPE JKT S-85	1296 inches
18	48533GT	WIRE CABLE,18GA/19 CON.BNDREX S-85	1296 inches
19	35934GT	WIRE CABLE,18/19 CON.TPRJKT	60 inches
20	45385GT	PLUG,NYLON 1.12 BLACK DOMED	1

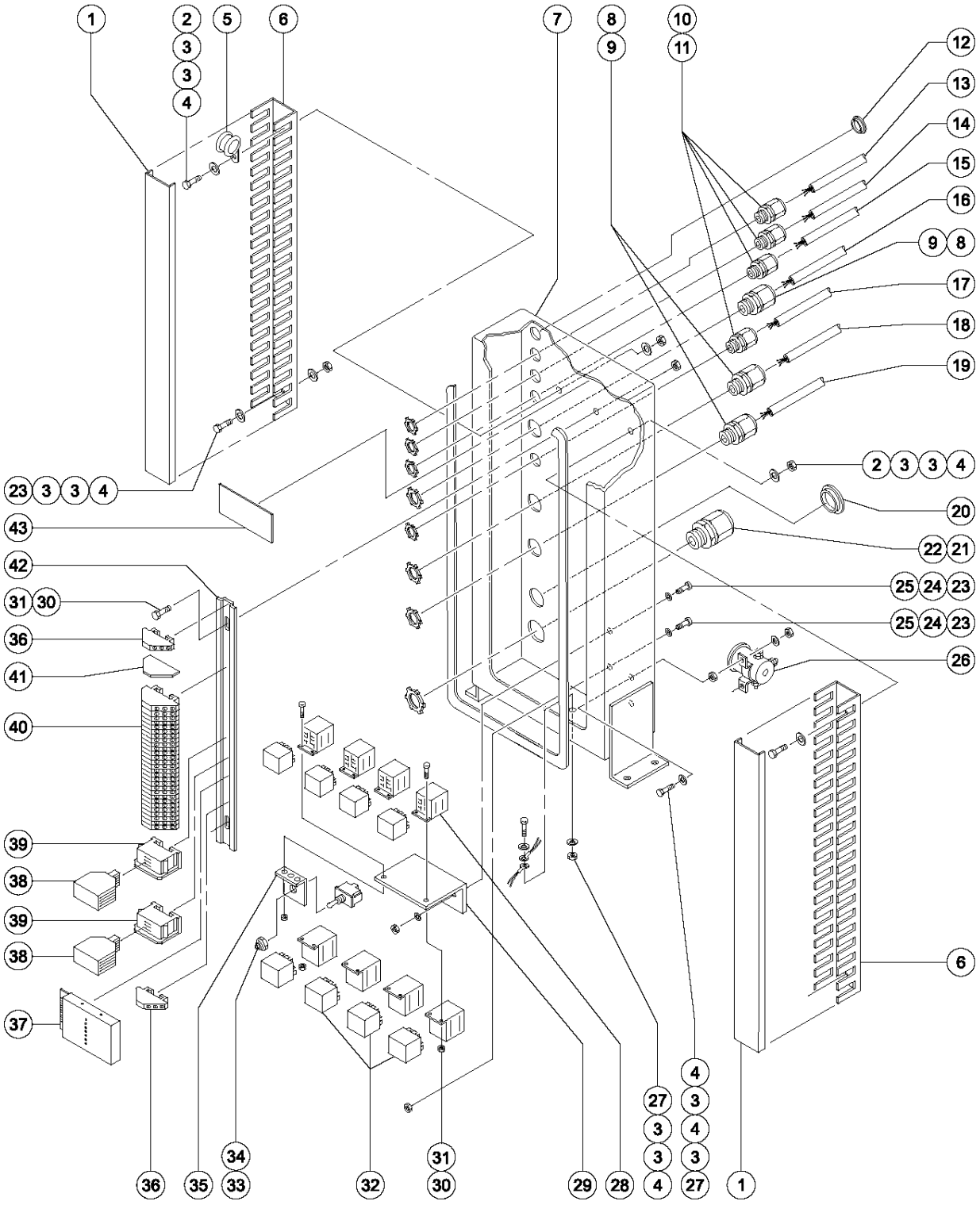
509.2 Ground Controls - View 2



509.2 Ground Controls - View 2

Item	Part No.	Description	Qty.
21	20776GT	CABLE SQUEEZE CONN	1
22	18665GT	LOCKNUT,ELECTRIC,1" NPT	1
23	8914GT	SCREW, HHC, 1/4-20 X .625	4
24	6356GT	WASHER,LOCK,.25	2
25	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	2
26	53967GT	SOLENOID,12V CONTINOUS	1
27	6090GT	SCREW, HHC, 1/4-20 X .75	3
28	34053GT	ASSY,RELAY SOCKET, AUTO Gasoline/LPG Models	6
28-	34053GT	ASSY,RELAY SOCKET, AUTO Diesel Models	6
28-	34054GT	TERM,RELAY N-INSULATED 10-12 G	6
28-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	6
28-	34056GT	TERM,RELAY,N-INSULATE 18-20 GA	6
29	34057GT	ANGLE,RELAY MOUNTING	1
30	6178GT	NUT, NYLOCK, 10-32	6
31	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	6
32	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Gasoline/LPG Models	6
32-	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Diesel Models	7
33	27246GT	BOOT,TOGGLE SWITCH,SHORT* Gasoline/LPG Models	1
34	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM Gasoline/LPG Models	1
35	49743GT	BRACKET,TOGGLE SWITCH Gasoline/LPG Models	1
36	25974GT	PLASTIC END STOP	2
37	56057GT	MODULE,IGNITION/START,12/24V from SN 2600	1
37-	56057GT	MODULE,IGNITION/START,12/24V to SN 2599	1
38	25807GT	DIODE BLOCK SUPPRESSION	2
39	25808GT	CARRIER TERMINAL(5 PER BLOCK)	2
40	32637GT	TERMINAL BLOCK,WAGO	44
40	32638GT	TERMINAL BLOCK,WAGO	2
41	25837GT	TERMINAL STRIP END PLATE	1

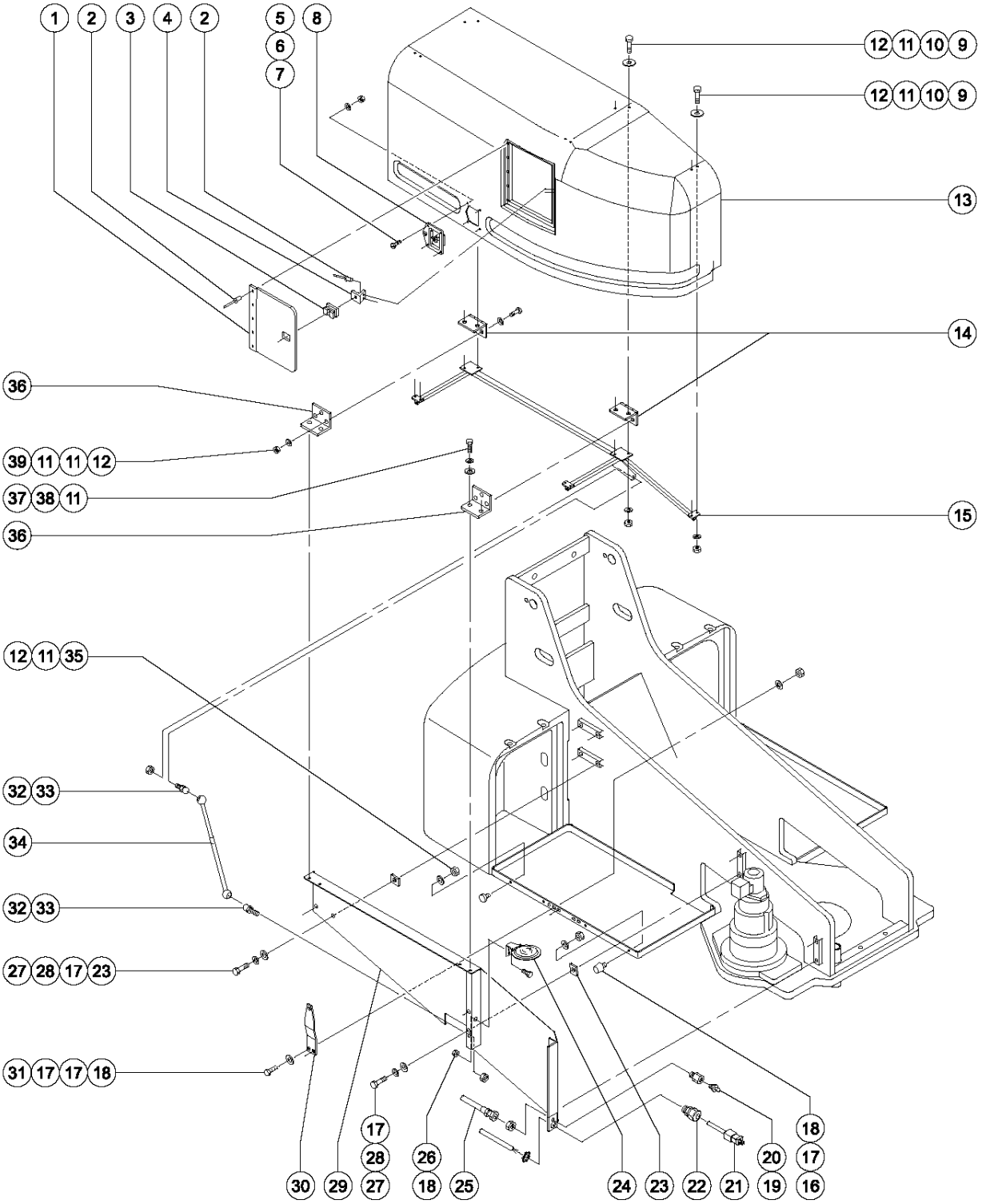
509.2 Ground Controls - View 2



509.2 Ground Controls - View 2

Item	*Part No.*	*Description*	*Qty.*
42	28310GT	DIN RAIL,23.75"	1
43	30997GT	CORROSION INHIBITOR,FOAM	1

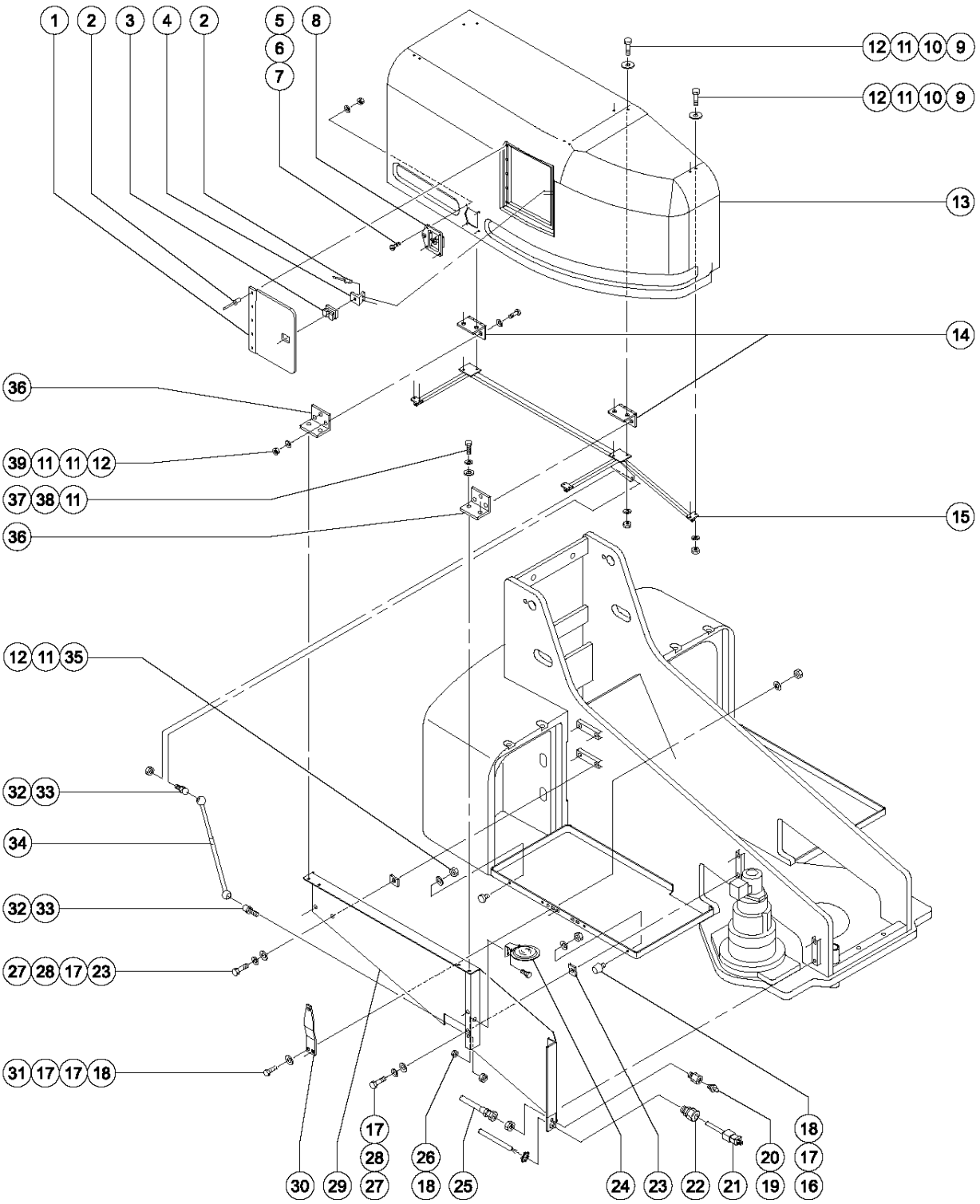
510.1 Turntable Covers - View 1



510.1 Turntable Covers - View 1

Item	Part No.	Description	Qty.
1	52651GT	COVER-HINGED, GRND CNTRL includes five each of index number 2 and index number 3	1
2	7265GT	RIVET,STEEL,P, .25 X .375	7
3	30468GT	LATCH,SLIDE, FLUSH MOUNT STYLE includes mounting fasteners	1
4	49534GT	DOOR LATCH,BASE CONTROL BOX	1
5	6178GT	NUT, NYLOCK, 10-32	4
6	6146GT	WASHER,FLAT,MS,#10,Y	4
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	4
8	53903GT	LATCH,T-HANDLE,5 SIDED W/KEYS*	1
8-	29314GT	KEY,LATCH, 1 PAIR (28125)	1
9	8915GT	SCREW, HHC, 1/4-20 X 1.25	10
10	12906GT	WASHER,FENDER,.25 X 1.25 X.062	10
11	6638GT	WASHER, FLAT, USS, 1/4"Y	31
12	6091GT	NUT,NYLOCK,1/4-20	17
13	65477GT	COVER ASSY W/DECALS,L.H. BB includes index numbers 1 through 8	1
14	35949P-SGT	BRACKET,COVER HINGE,BLUE	2
15	49532-SGT	COVER,SUPPORT WELDMENT,LH	1
16	30973GT	BUMPER,RUBBER-1 X 1.25	1
17	5397GT	WASHER, FLAT, USS, 5/16-18	13
18	6782GT	NUT, NYLOCK, 5/16-18	4
19	28646GT	ZERK,GREASE,1/8 NPT	1
20	30430GT	BULKHEAD,FEMALE X 4	1
21	6595GT	PLUG,ELECTRICAL,DOMESTIC	1
21-	144161GT	PLUG,PWR,UK,16AMP,3PIN,BLK	1
21-	1280665GT	PLUG, TYPE F, 230A, 50HZ, 16A, IP44	1
21-	25388GT	PLUG,FUSED,250V,13AMP,U.K.**	1
21-		FUSE,13 AMP,220V PLUG (component no longer available) refer to BS1362 BUSS TDC180-13A	1
22	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	1
23	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	8

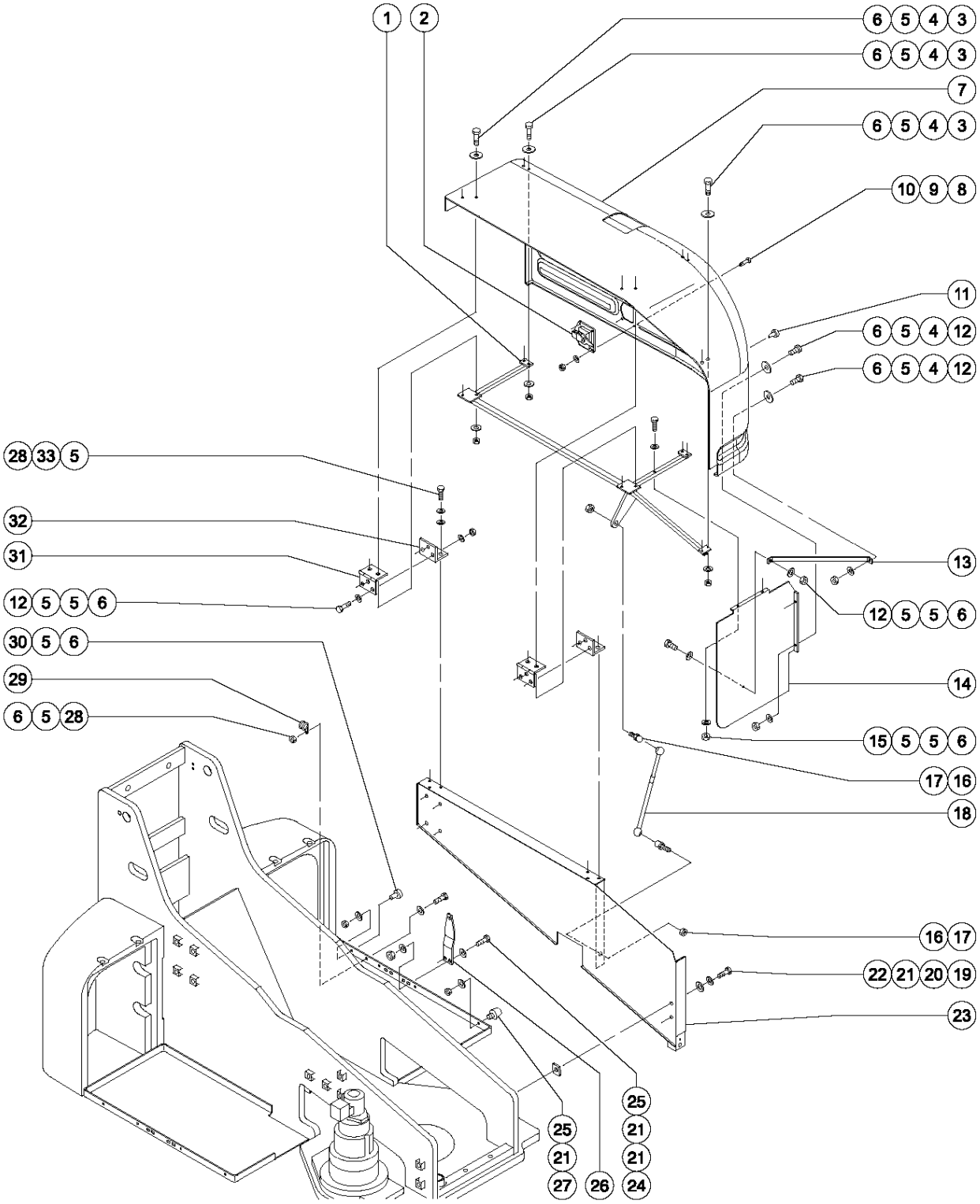
510.1 Turntable Covers - View 1



510.1 Turntable Covers - View 1

Item	Part No.	Description	Qty.
24	81578GT	HORN,12VDC,SPADE TERMINALS***	1
25		Ref. Hydraulic Hoses and Fittings (refer to Figures 513.1 or 513.2)	1
26	10107GT	SCREW,HHC,5/16-18 X .75	1
27	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	6
28	6021GT	WASHER, LOCK, .375	8
29	30743-SGT	COVER SUPPORT WELDMENT LH.	1
30	49535P-SGT	PLATE,LATCH,BLUE,PAINTED	1
31	13002GT	SCREW,HHC,5/16-18 X 1 GR5	2
32	33555GT	BALL STUD**	2
33	6002GT	NUT, LP NYLOCK, 5/16-18	2
34	28301GT	GAS STRUT,250 LBS FORCE***	1
34-	27377GT	RETAINER,GAS SPRING***	1
35	36388GT	BUMPER,RUBBER,.75 X .50H,STUD	1
36	75073GT	HINGE,.375X.120THK.,SLOTTED	2
37	6090GT	SCREW, HHC, 1/4-20 X .75	4
38	6356GT	WASHER,LOCK,.25	4
39	6888GT	SCREW, HHC, 1/4-20 X 1	6

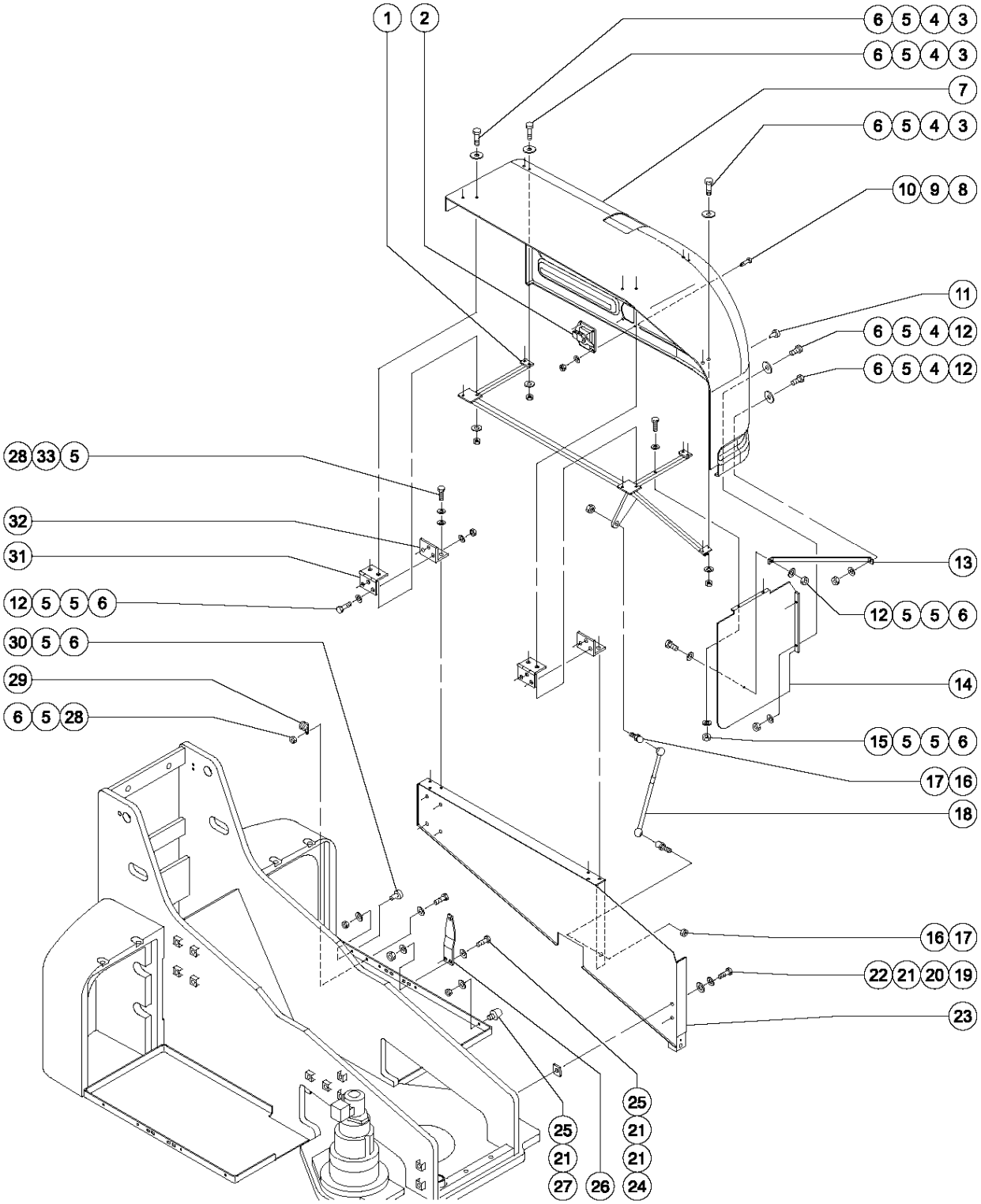
511.1 Turntable Covers - View 2



511.1 Turntable Covers - View 2

Item	Part No.	Description	Qty.
1	53882GT	WELDMENT,TT COVER SUPPORT,RH	1
2	53903GT	LATCH,T-HANDLE,5 SIDED W/KEYS*	2
2-	29314GT	KEY,LATCH, 1 PAIR (28125)	2
3	8915GT	SCREW, HHC, 1/4-20 X 1.25	10
4	12906GT	WASHER,FENDER,.25 X 1.25 X.062	10
5	6638GT	WASHER, FLAT, USS, 1/4"Y	42
6	6091GT	NUT,NYLOCK,1/4-20	21
7	65478GT	COVER ASSY W/DECAL,WRD,RH BB Gasoline/LPG models; includes index numbers 2 and 8 through 10	1
7-	65478GT	COVER ASSY W/DECAL,WRD,RH BB Diesel models; includes index numbers 2 and 8 through 11	1
8	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	4
9	6146GT	WASHER,FLAT,MS,#10,Y	4
10	6178GT	NUT, NYLOCK, 10-32	4
11	81197GT	PLUG,ENGINE COVER Diesel models only	3
12	6888GT	SCREW, HHC, 1/4-20 X 1	9
13	30894P-SGT	SHROUD SUPPORT,PAINTED GRAY Gasoline/LPG models	1
14	49537P-SGT	SHROUD,LP TANK,PAINTED Gasoline/LPG models	1
15	4266GT	SCREW,HHC,1/4-20 X 2	2
16	33555GT	BALL STUD**	2
17	6002GT	NUT, LP NYLOCK, 5/16-18	2
18	28301GT	GAS STRUT,250 LBS FORCE***	1
18-	27377GT	RETAINER,GAS SPRING***	1
19	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	6
20	6021GT	WASHER, LOCK, .375	8
21	5397GT	WASHER, FLAT, USS, 5/16-18	14
22	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	8
23	30744-SGT	COVER SUPPORT WELDMENT RH.	1
24	13002GT	SCREW,HHC,5/16-18 X 1 GR5	2
25	6782GT	NUT, NYLOCK, 5/16-18	3

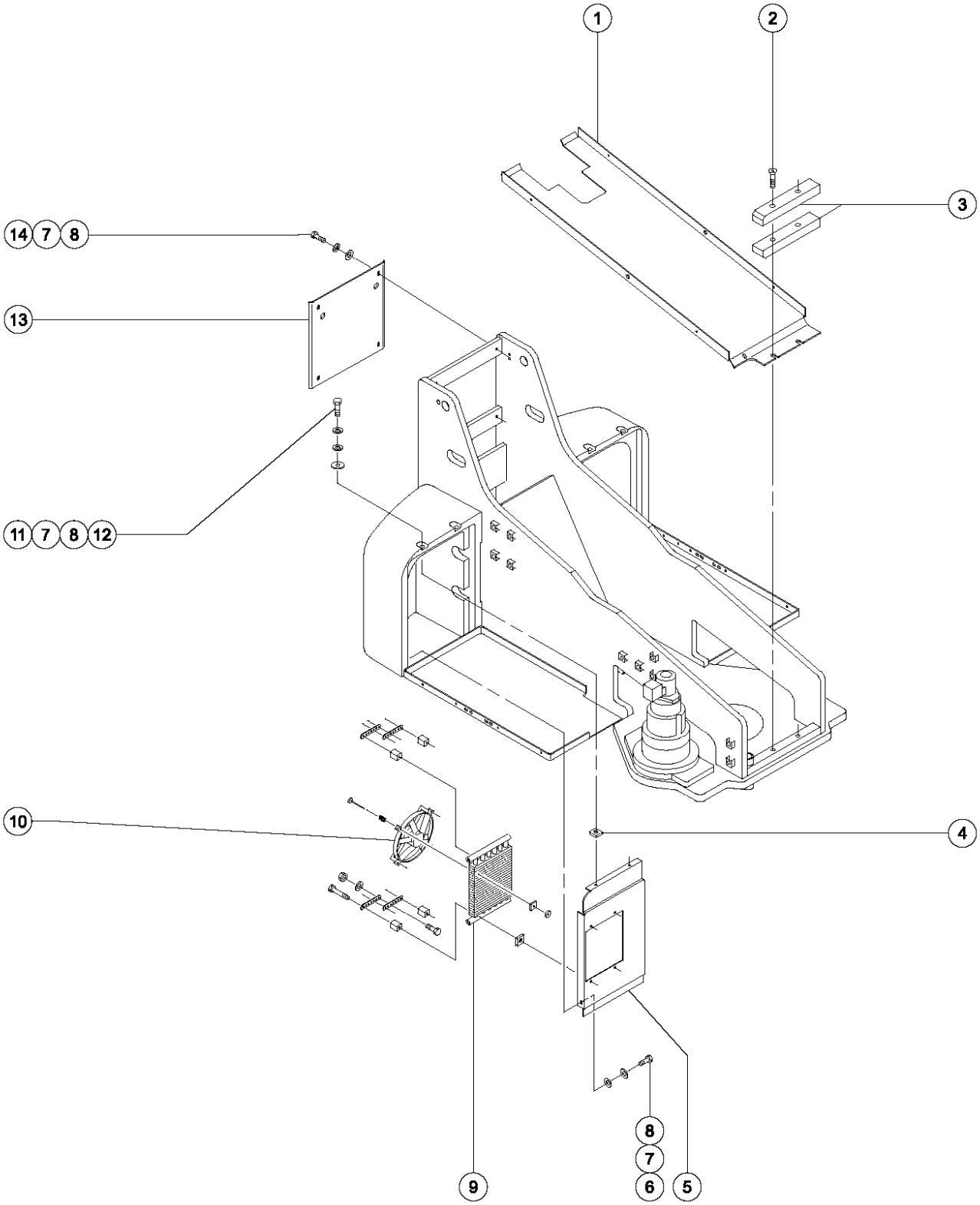
511.1 Turntable Covers - View 2



511.1 Turntable Covers - View 2

Item	Part No.	Description	Qty.
26	49535P-SGT	PLATE,LATCH,BLUE,PAINTED	1
27	30973GT	BUMPER,RUBBER-1 X 1.25	1
28	6090GT	SCREW, HHC, 1/4-20 X .75	1
29	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	1
30	36388GT	BUMPER,RUBBER,.75 X .50H,STUD	1
31	75073GT	HINGE,.375X.120THK.,SLOTTED	2
32	35949P-SGT	BRACKET,COVER HINGE,BLUE	2
33	6356GT	WASHER,LOCK,.25	4

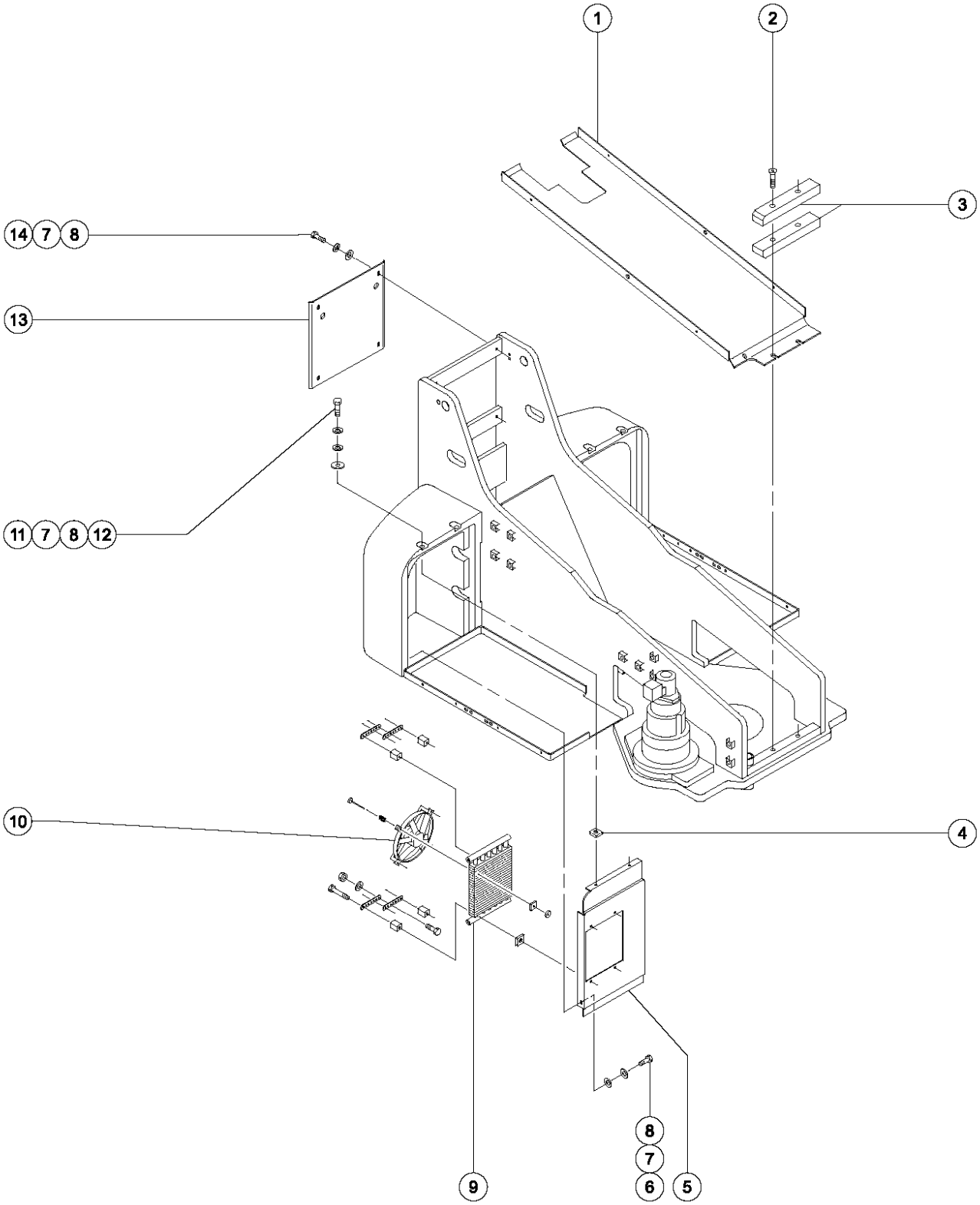
512.1 Turntable Covers and Hydraulic Oil Cooler Option - View 3



512.1 Turntable Covers and Hydraulic Oil Cooler Option - View 3

Item	Part No.	Description	Qty.
	34980-SGT	OIL COOLER KIT,S60,S80 PARKER includes index numbers 4 through 10; models with Parker hoses	
	46990GT	OIL COOLER(SYNFLEX)S40,60,80 includes index numbers 4 through 10; models with Synflex hoses	
1	44286PGT	PLATE, SWING COVER S60/S80	1
2	35714GT	SCREW,FHS,3/8-16 X 2.25	2
3	41549GT	PAD,BOOM REST	2
4	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	4
5	49611-SGT	BAFFLE,TANK SIDE,PAINTED	1
6	6175GT	SCREW,HHC,3/8-16 X 1	4
7	6021GT	WASHER, LOCK, .375	10
8	5397GT	WASHER, FLAT, USS, 5/16-18	10
9	22349GT	COOLER-HYDRAULIC OIL includes mounting hardware	1
9-	35600GT	THERMOSTAT,110 DEG.F N/O	
10	63118GT	FAN,OIL COOLER***	1
11	6708GT	SCREW,HHC,3/8-16 X 2.25	2
12	6095GT	WASHER,FLAT,USS,1/2",Y	2
13	65613GT	COVER-TURNTABLE W/DECALS S80	1
14	8255GT	SCREW,HHC,3/8-16 X .75	4

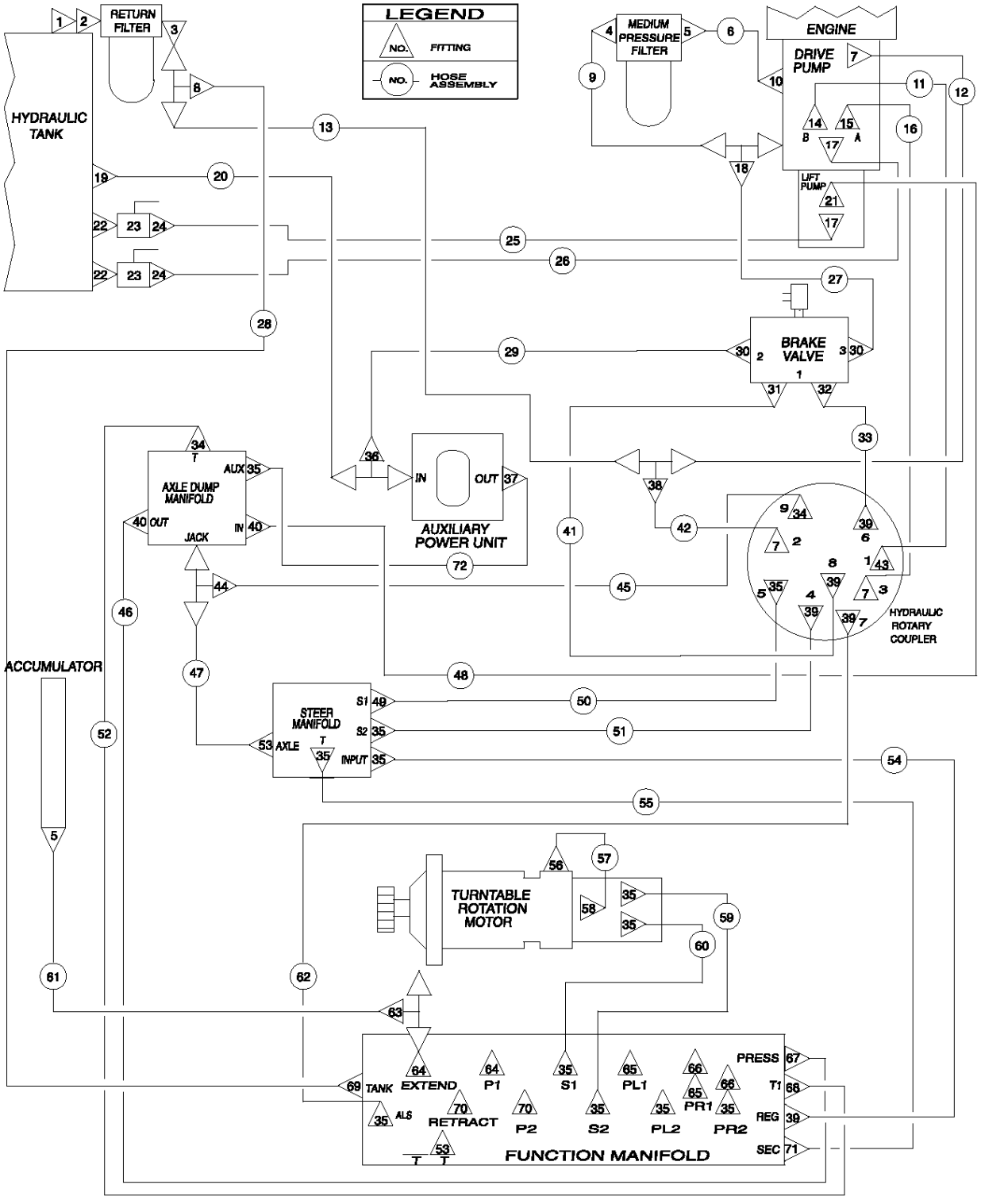
512.2 Turntable Covers and Hydraulic Oil Cooler Option - View 3



512.2 Turntable Covers and Hydraulic Oil Cooler Option - View 3

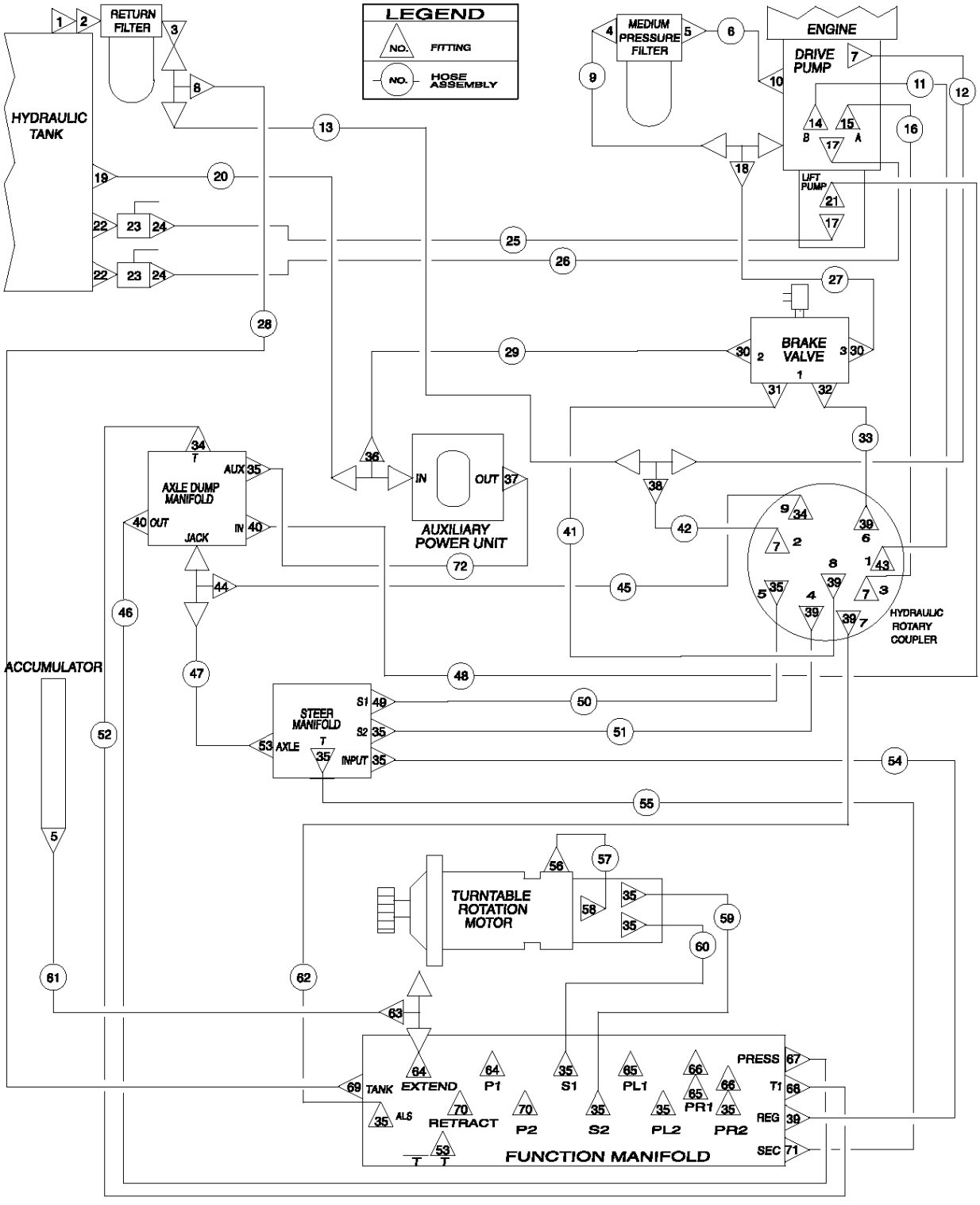
Item	Part No.	Description	Qty.
	34980-SGT	OIL COOLER KIT,S60,S80 PARKER includes index numbers 4 through 10; models with Parker hoses	
	46990GT	OIL COOLER(SYNFLEX)S40,60,80 includes index numbers 4 through 10; models with Synflex hoses	
1	44286PGT	PLATE, SWING COVER S60/S80	1
2	35714GT	SCREW,FHS,3/8-16 X 2.25	2
3	41549GT	PAD,BOOM REST	2
4	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	4
5	49611-SGT	BAFFLE,TANK SIDE,PAINTED	1
6	6175GT	SCREW,HHC,3/8-16 X 1	4
7	6021GT	WASHER, LOCK, .375	10
8	5397GT	WASHER, FLAT, USS, 5/16-18	10
9	22349GT	COOLER-HYDRAULIC OIL includes mounting hardware	1
9-	35600GT	THERMOSTAT,110 DEG.F N/O	
10	63118GT	FAN,OIL COOLER***	1
11	6708GT	SCREW,HHC,3/8-16 X 2.25	2
12	6095GT	WASHER,FLAT,USS,1/2",Y	2
13	65614GT	COVER-TURNTABLE W/DECALS S85	1
14	8255GT	SCREW,HHC,3/8-16 X .75	4

513.1 Hydraulic Hoses and Fittings (to SN 2919)



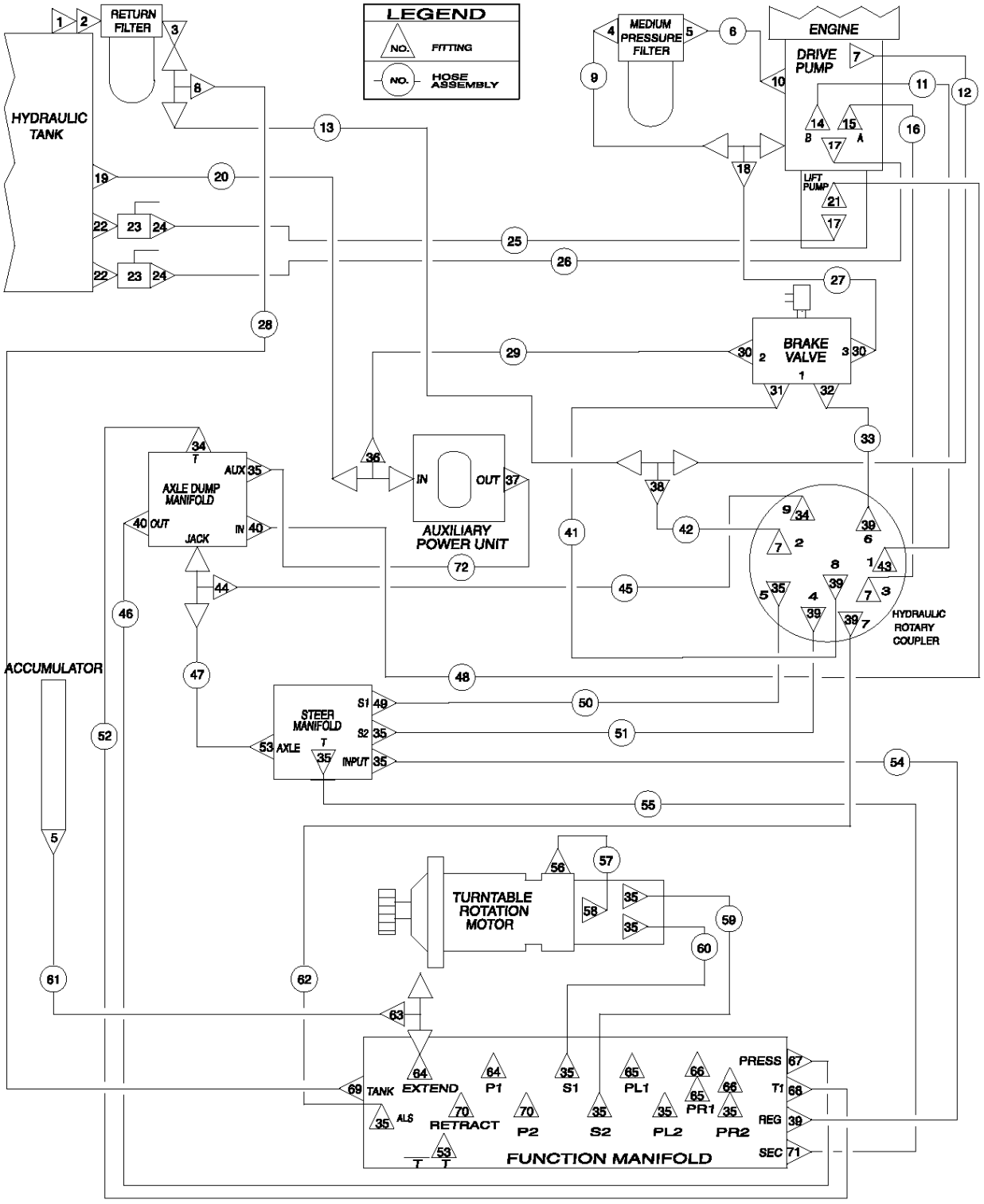
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49512GT	ELBOW,90DEG,FEM,1"NPT	1
2	49513GT	ADAPTER,PIPE NIPPLE	1
3	49515GT	ELBOW,90D,520202-12-16	1
4	48948GT	CONN,520120-8-12	1
5	48947GT	ELBOW,90D,520220-8-12	2
6	49136-3272GT	HOSE ASSEMBLY,1/2"	1
7	48960GT	FITTING,CONN,520120-12***	3
8	48964GT	TEE,RUN,SWIVEL,520432-12	1
9	49143-3579GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
10	48946GT	CONN,520120-8-10	1
11	49156-4581GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
12	49148-3269GT	HOSE ASSEMBLY,3/4"	1
13	49151-5748GT	HOSE ASSY,3/4,STR FEM,STR FEM	1
14	48977GT	CONN,520120-12-16	1
15	48976GT	ELBOW,90D,520220-12-16	1
16	49156-4381GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
17	48984GT	CONN, 520120-16	2
18	48953GT	TEE,RUN,520428-10	1
19	48922GT	CONN,520102-6-6	1
20	49134-1976GT	HOSE ASSEMBLY,3/8"	1
21	48898GT	VALVE,CHK,#12PORT-#12MALEORFS	1
22	48988GT	ELBOW,45D,140339-16	2
23	48994GT	VALVE,BALL,16 MPT-16 FPT***	2
24	48986GT	CONN,520102-16	2
25	49159-5368GT	HOSE ASSEMBLY,1"	1
26	49159-5168GT	HOSE ASSEMBLY,1"	1

513.1 Hydraulic Hoses and Fittings (to SN 2919)



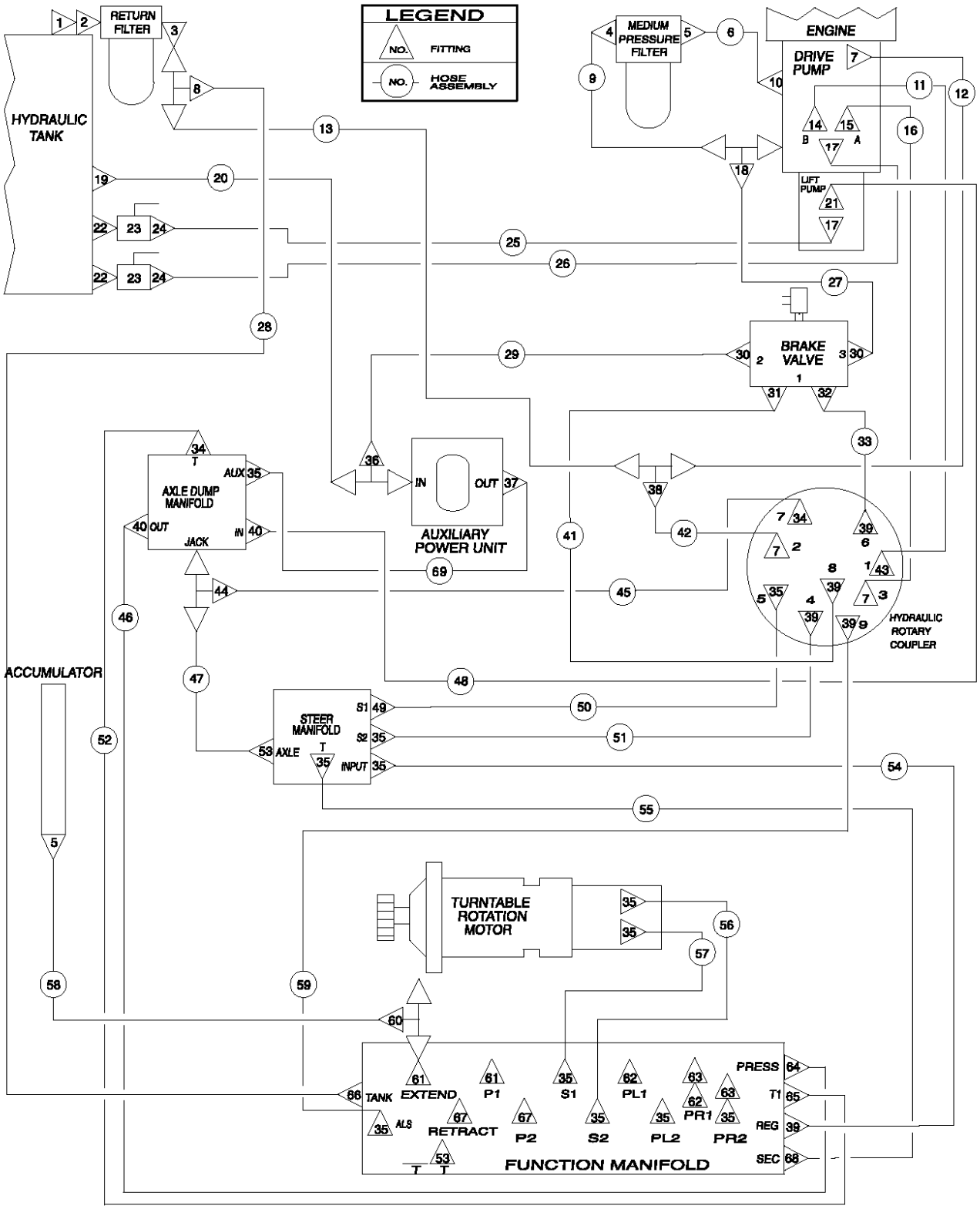
Item	Part No.	Description	Qty.
27	49145-1778GT	HOSE ASSEMBLY,1/2"	1
28	49150-1405GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
29	49129-5325GT	HOSE ASSEMBLY,3/8"	1
30	48926GT	FITTING,ELBOW,90D,520220-6-4	2
31	48927GT	CONN,520120-6-4	1
32	48928GT	ELBOW,45D,520320-6-4	1
33	49130-2957GT	HOSE ASSEMBLY,3/8	1
34	48911GT	ELBOW,90D,520220-4-6***	2
35	48916GT	CONN, 520120-6	10
36	48935GT	TEE,RUN, 520428-8	1
37	48942GT	ELBOW, 90, 24 C5OLO-S	1
38	48969GT	TEE,BULKHEAD,RUN,520958-12	1
39	48915GT	ELBOW,90D,520220-6	5
40	48958GT	CONN,520120-10-12	1
41	49130-3057GT	HOSE ASSEMBLY,3/8"	1
42	49150-1805GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
43	48959GT	FITTING,ELBOW,90D,520220-12	1
44	48919GT	TEE,BRANCH,520429-6	1
45	49120-2756GT	HOSE ASSEMBLY,1/4"	1
46	1296389-2983GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 29.83"LG	1
47	49181-1240GT	HOSE ASSEMBLY,1/4"	1
48	1296389-5308GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 53.08"LG	1
49	48920GT	ELBOW,45D,520320-6	1
50	49128-2500GT	HOSE ASSY,3/8 90 DEG	1
51	49126-2758GT	HOSE ASSY,3/8,45 FEM,STR FEM	1
52	49117-2241GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
53	48912GT	CONN,520120-4-6***	2
54	49128-2334GT	HOSE ASSEMBLY,3/8"	1

513.1 Hydraulic Hoses and Fittings (to SN 2919)



Item	Part No.	Description	Qty.
55	49128-2634GT	HOSE ASSEMBLY,3/8"	1
56	48904GT	ELBOW, 90D, 520220-4	1
57	49117-1716GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
58	48905GT	CONNECTOR, 520120-4	1
59	49128-2234GT	HOSE ASSEMBLY,3/8"	1
60	49128-1734GT	HOSE ASSY,3/8,90 FEM,STR FEM	1
61	49110-1717GT	HOSE ASSEMBLY,1/2"	1
62	49130-4807GT	HOSE ASSEMBLY,3/8"	1
63	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
64	48934GT	CONN,LONG,520122-8	2
65	48917GT	CONN,LONG,520122-6	2
66	48892GT	ELBOW,SWIVEL 90D, 520221-6	2
67	48950GT	ELBOW,90D,520220-10	1
68	48914GT	CONN,520120-4-8	1
69	48963GT	FITTING,ELBOW,45D,520320-12***	1
70	48933GT	CONN,520120-8***	2
71	48929GT	FITTING,ELBOW,90D,520220-6-8	1
72	49128-3009GT	HOSE ASSY,3/8,90,FEM,STR,FEM	1

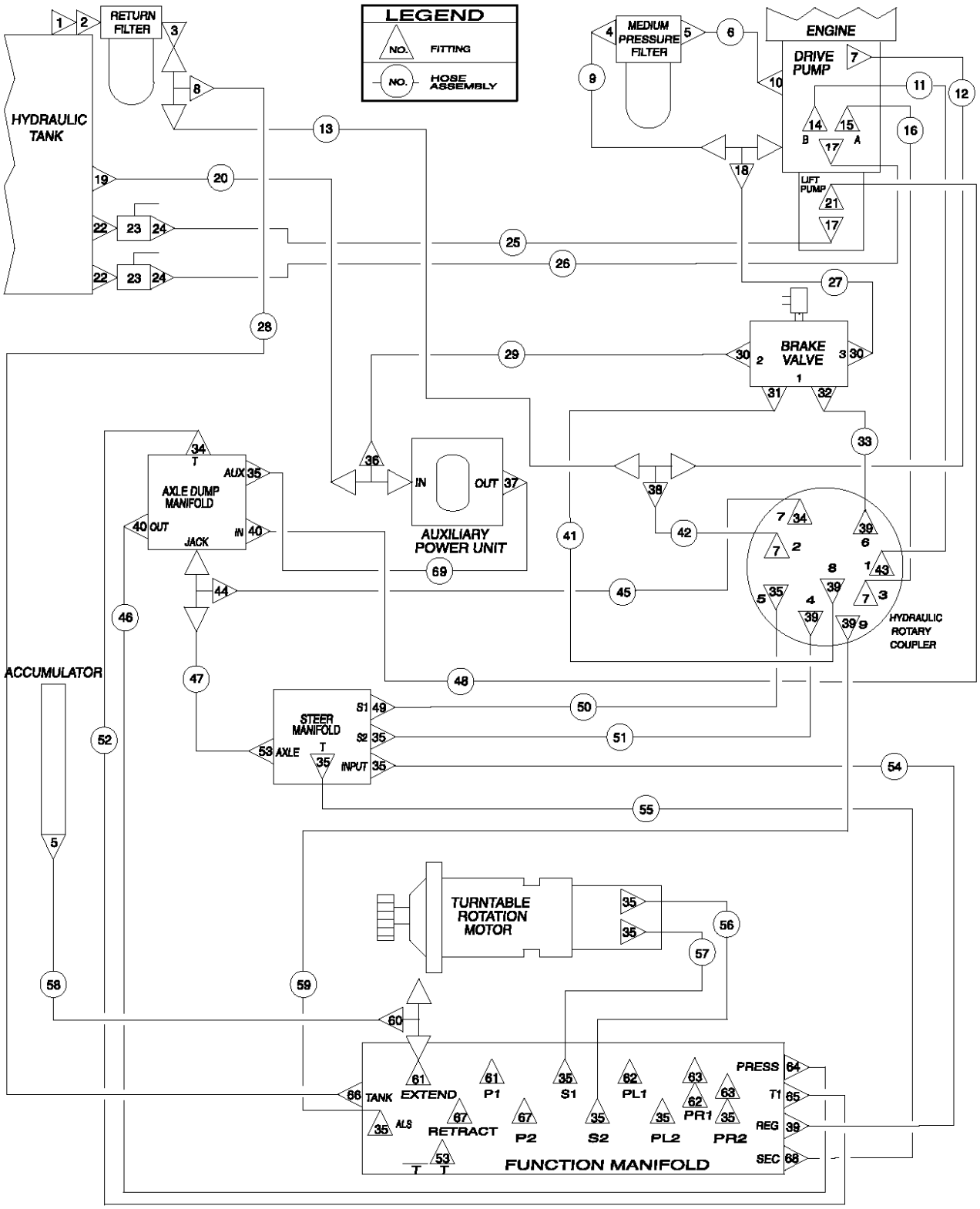
513.2 Hydraulic Hoses and Fittings (from SN 2920)



513.2 Hydraulic Hoses and Fittings (from SN 2920)

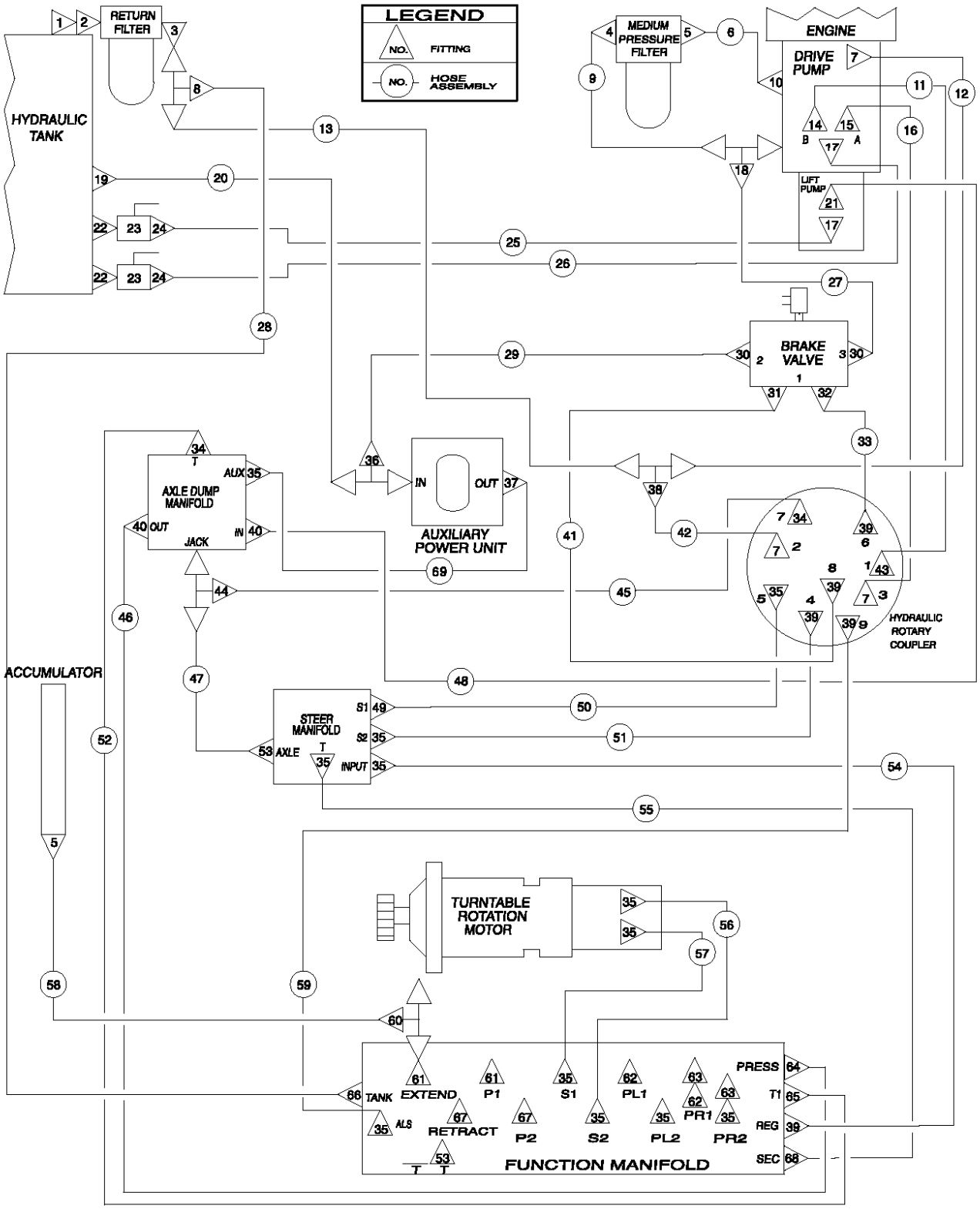
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49512GT	ELBOW,90DEG,FEM,1"NPT	1
2	49513GT	ADAPTER,PIPE NIPPLE	1
3	49515GT	ELBOW,90D,520202-12-16	1
4	48948GT	CONN,520120-8-12	1
5	48947GT	ELBOW,90D,520220-8-12	2
6	49136-3272GT	HOSE ASSEMBLY,1/2"	1
7	48960GT	FITTING,CONN,520120-12***	3
8	48964GT	TEE,RUN,SWIVEL,520432-12	1
9	49143-3579GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
10	48946GT	CONN,520120-8-10	1
11	49156-4581GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
12	49148-3269GT	HOSE ASSEMBLY,3/4"	1
13	49151-5748GT	HOSE ASSY,3/4,STR FEM,STR FEM	1
14	48977GT	CONN,520120-12-16	1
15	48976GT	ELBOW,90D,520220-12-16	1
16	49156-4381GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
17	48984GT	CONN, 520120-16	2
18	48953GT	TEE,RUN,520428-10	1
19	48922GT	CONN,520102-6-6	1
20	49134-1976GT	HOSE ASSEMBLY,3/8"	1
21	48898GT	VALVE,CHK,#12PORT-#12MALEORFS	1
22	48988GT	ELBOW,45D,140339-16	2
23	48994GT	VALVE,BALL,16 MPT-16 FPT***	2
24	48986GT	CONN,520102-16	2
25	49159-5368GT	HOSE ASSEMBLY,1"	1
26	49159-5168GT	HOSE ASSEMBLY,1"	1

513.2 Hydraulic Hoses and Fittings (from SN 2920)



Item	Part No.	Description	Qty.
27	49145-1778GT	HOSE ASSEMBLY,1/2"	1
28	49150-1405GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
29	49129-5325GT	HOSE ASSEMBLY,3/8"	1
30	48926GT	FITTING,ELBOW,90D,520220-6-4	2
31	48927GT	CONN,520120-6-4	1
32	48928GT	ELBOW,45D,520320-6-4	1
33	49130-2957GT	HOSE ASSEMBLY,3/8	1
34	48911GT	ELBOW,90D,520220-4-6***	2
35	48916GT	CONN, 520120-6	10
36	48935GT	TEE,RUN, 520428-8	1
37	48942GT	ELBOW, 90, 24 C5OLO-S	1
38	48969GT	TEE,BULKHEAD,RUN,520958-12	1
39	48915GT	ELBOW,90D,520220-6	5
40	48958GT	CONN,520120-10-12	1
41	49130-3057GT	HOSE ASSEMBLY,3/8"	1
42	49150-1805GT	HOSE ASSY,3/4,90 FEM,STR FEM	1
43	48959GT	FITTING,ELBOW,90D,520220-12	1
44	48919GT	TEE,BRANCH,520429-6	1
45	49120-2756GT	HOSE ASSEMBLY,1/4"	1
46	1296389-2983GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 29.83"LG	1
47	49181-1240GT	HOSE ASSEMBLY,1/4"	1
48	1296389-5308GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 53.08"LG	1
49	48920GT	ELBOW,45D,520320-6	1
50	49128-2500GT	HOSE ASSY,3/8 90 DEG	1
51	49126-2758GT	HOSE ASSY,3/8,45 FEM,STR FEM	1
52	49117-2241GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
53	48912GT	CONN,520120-4-6***	2
54	49128-2334GT	HOSE ASSEMBLY,3/8"	1

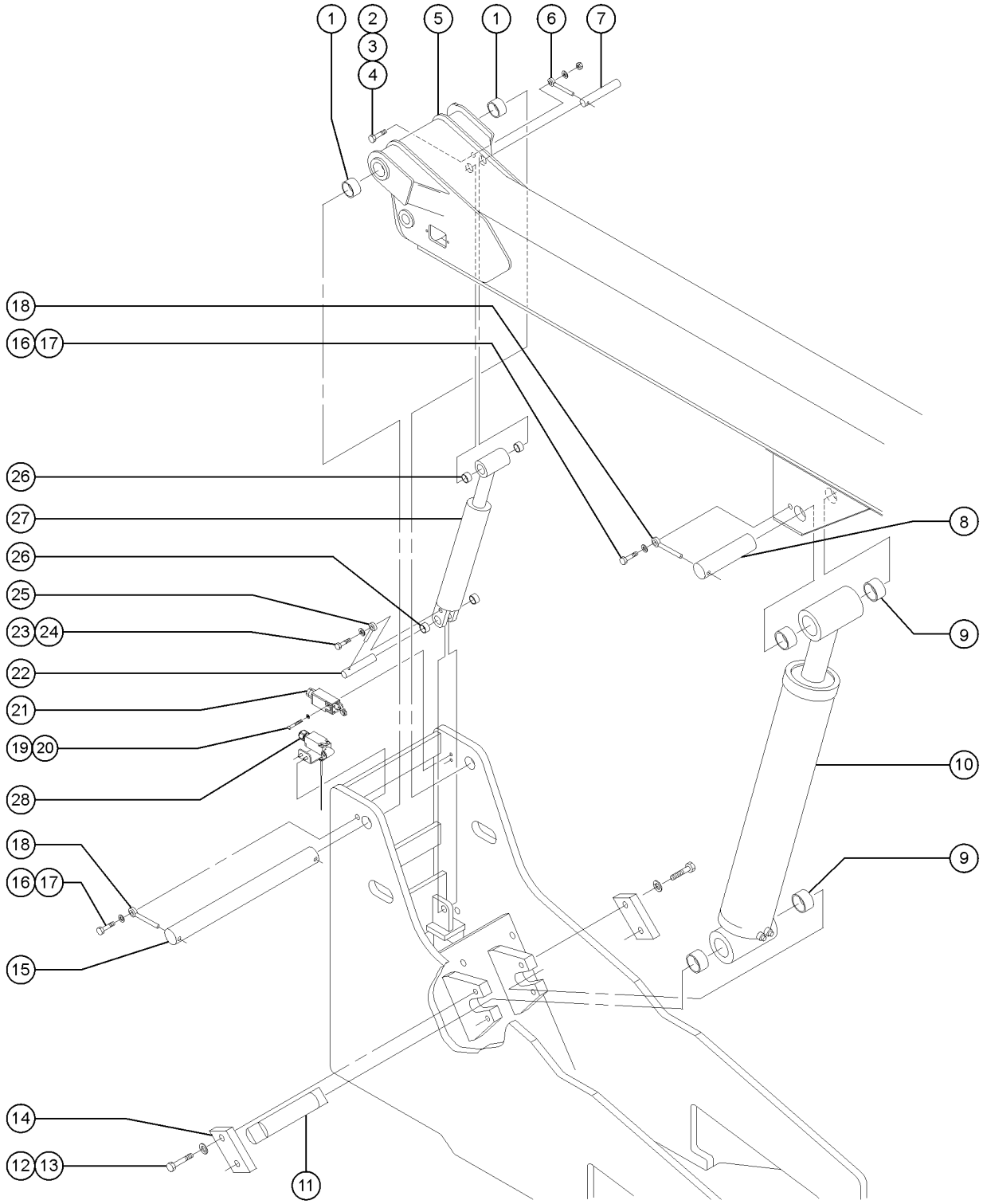
513.2 Hydraulic Hoses and Fittings (from SN 2920)



513.2 Hydraulic Hoses and Fittings (from SN 2920)

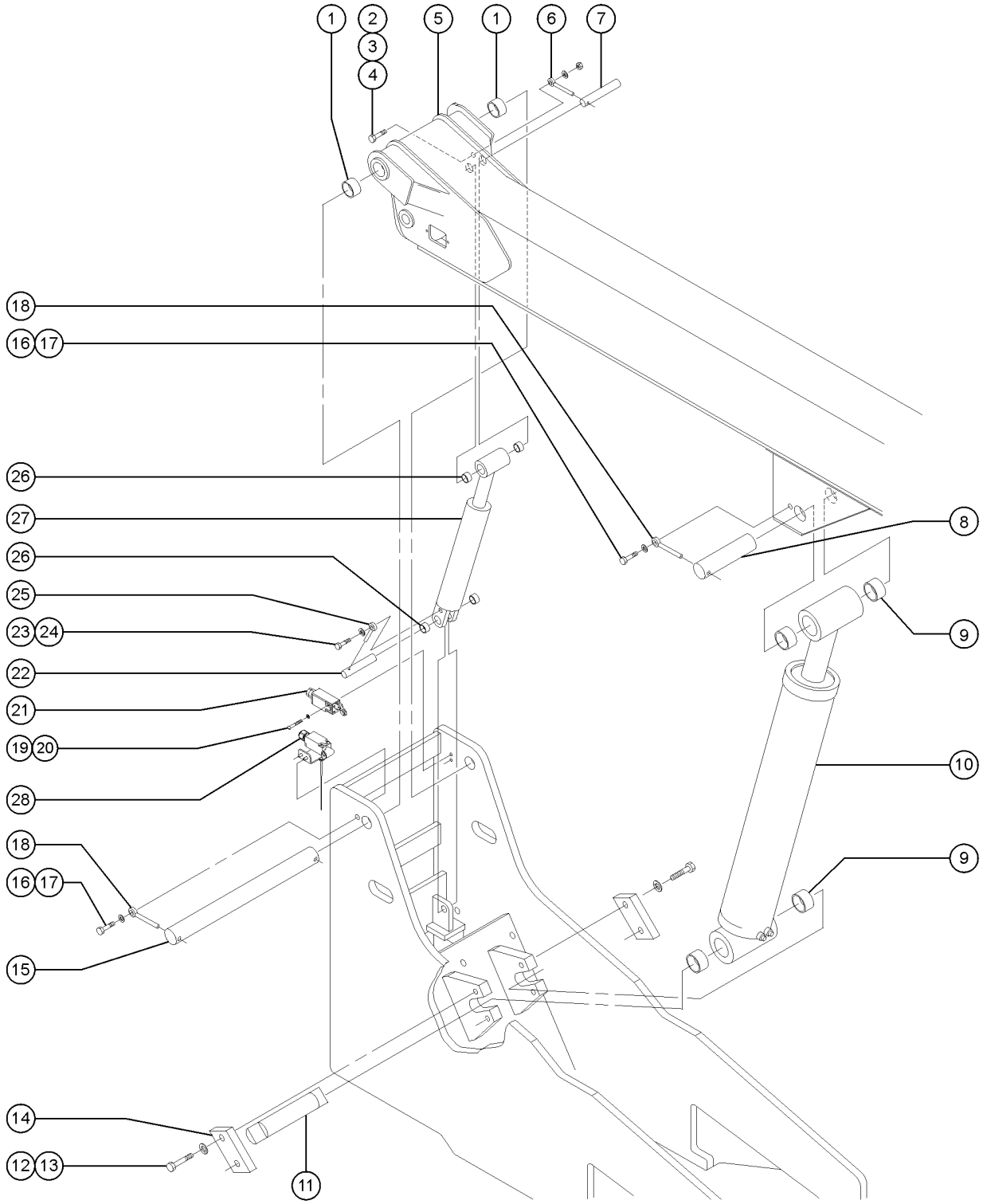
Item	Part No.	Description	Qty.
55	49128-2634GT	HOSE ASSEMBLY,3/8"	1
56	49128-2234GT	HOSE ASSEMBLY,3/8"	1
57	49128-1734GT	HOSE ASSY,3/8,90 FEM,STR FEM	1
58	49110-1717GT	HOSE ASSEMBLY,1/2"	1
59	49130-4807GT	HOSE ASSEMBLY,3/8"	1
60	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
61	48934GT	CONN,LONG,520122-8	2
62	48917GT	CONN,LONG,520122-6	2
63	48892GT	ELBOW,SWIVEL 90D, 520221-6	2
64	48950GT	ELBOW,90D,520220-10	1
65	48914GT	CONN,520120-4-8	1
66	48963GT	FITTING,ELBOW,45D,520320-12***	1
67	48933GT	CONN,520120-8***	2
68	48929GT	FITTING,ELBOW,90D,520220-6-8	1
69	49128-3009GT	HOSE ASSY,3/8,90,FEM,STR,FEM	1

601.1 Boom Installation



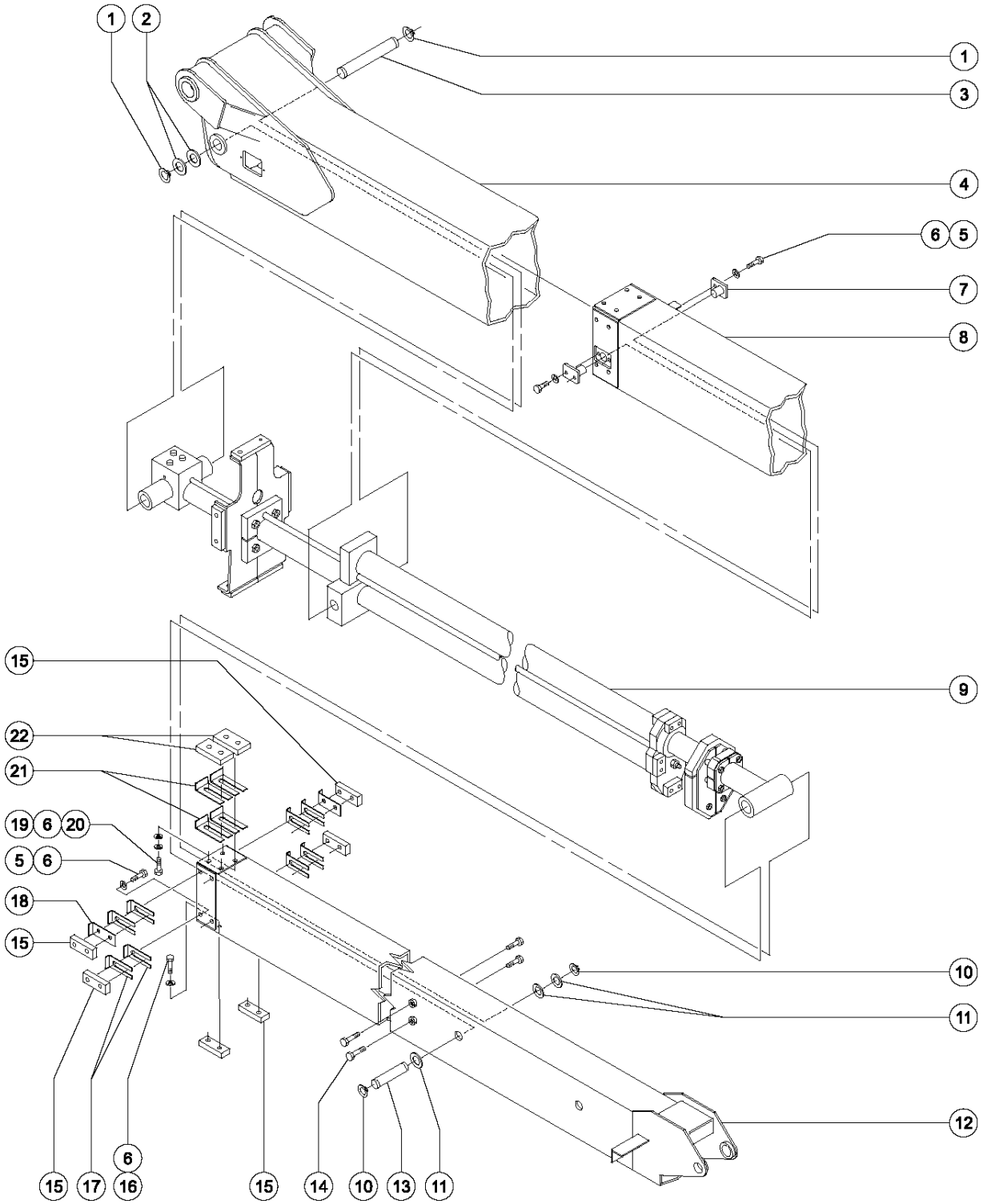
Item	Part No.	Description	Qty.
1	34131GT	BEARING,2.50IDX3.00ODX2.00L	2
2	5224GT	SCREW,HHC,3/8-16 X 2	1
3	5397GT	WASHER, FLAT, USS, 5/16-18	1
4	4828GT	NUT, NYLOCK, 3/8-16	1
5	58009GT	ASSEMBLY,BOOM #1,S80/85 includes index number 1	1
6	825019GT	ROD END, .375X3.69, ZAG	1
7	34270GT	PIN,1.25DIAX6.62LG,1HOLE	1
8	34269GT	PIN,2.50DIAX13.75LG,1HOLE	1
9	27698GT	BEARING,2.50IDX2.75ODX2.00L	4
10	63204GT	CYLINDER,LIFT,S80*** includes index number 9	1
10-	63344GT	SEAL KIT,CYL,S80 (63204)	1
10-	33428GT	VALVE,COUNTERBALANCE	1
11	33823GT	PIN,PRI.CYL,/SWING CHASSIS	1
12	33557GT	SCREW,HHC,3/4-10 X 2.00,GR5	4
13	34550GT	WASHER,LOCK,.75 PLTD	4
14	33822P-SGT	PIN RETAINER,PRI.CYL.BLUE	2
15	34271GT	PIN,2.50DIAX29.13LG,1HOLE	1
16	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	2
17	6033GT	WASHER,LOCK,0.5"	2
18	1256267GT	ROD END,.5 X 3.75,ZAG	2
19	6179GT	SCREW,RHM,10-32 X 1.25	2
20	6607GT	WASHER,LOCK,#10 PLTD	2
21	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
21-	19491GT	CONTACTOR,LIMIT SWITCH	1
22	34276GT	PIN,1.25DIAX3.37LG,1HOLE	1
23	6175GT	SCREW,HHC,3/8-16 X 1	1
24	6021GT	WASHER, LOCK, .375	1
25	1255452GT	ROD END,.375 X 2.25,ZAG	2

601.1 Boom Installation



Item	*Part No.*	*Description*	*Qty.*
26	25683GT	BEARING,POLYGON,20DU12	4
27	63209GT	CYLINDER,MASTER*** includes index number 26	1
27-	63349GT	SEAL KIT,CYL (63209)	1
28	88903GT	KIT,INSTALLATON LS2A	
28-	88356-127J3GT	SWITCH,LIMIT,W/6.25" SPRING AR	
28-	106100GT	FORMING,LIMIT SWITCH BRACKET	
28-	19491GT	CONTACTOR,LIMIT SWITCH	
28-	43960GT	WIRE CABLE,16/4 CON.TPE JKT	204 inches

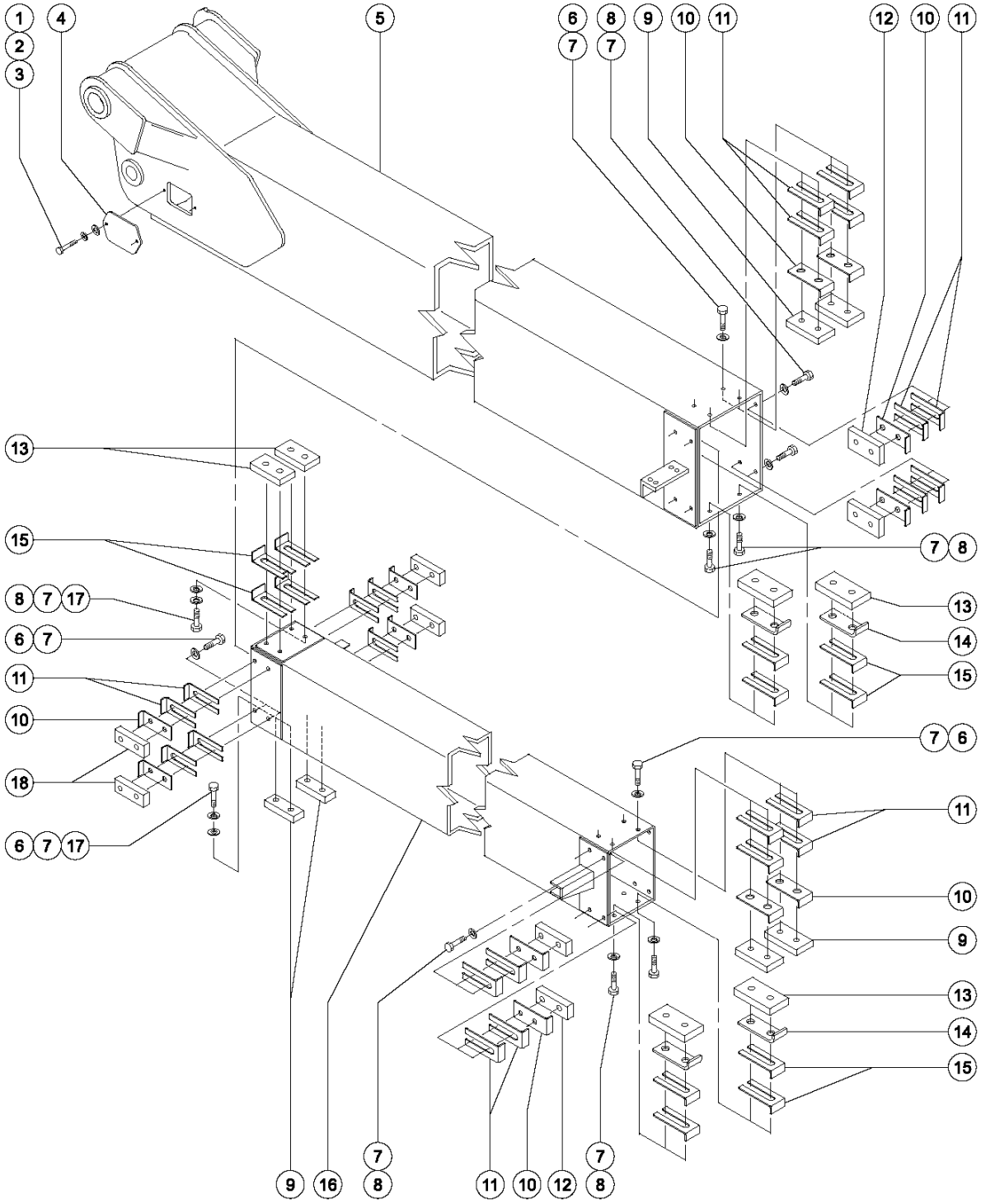
602.1 Extension Boom - View 1



602.1 Extension Boom - View 1

Item	Part No.	Description	Qty.
1	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	2
2	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	8
3	34268GT	PIN,1.50DIAX14.41LG,2RING	1
4	58009GT	ASSEMBLY,BOOM #1,S80/85	1
5	6175GT	SCREW,HHC,3/8-16 X 1	10
6	6021GT	WASHER, LOCK, .375	18
7	34170-SGT	EXT.CYL.MOUNTING PIN WLDMT.	2
8	53052-SGT	WELDMENT,BOOM #2,S80/85	1
9	63200GT	EXTENSION CYL ASSY,S80/85	1
9-	9990290GT	EXTENSION GLAND NUT ASSY	
9-	9990291GT	EXTENSION GLAND NUT	
10	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
11	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
12	227150GT	ASSY,S80/85 #3 BOOM TUBE	1
13	T108079GT	PIN,1.25DIAX8.30LG,2RING	1
14	6090GT	SCREW, HHC, 1/4-20 X .75	4
15	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	6
16	8255GT	SCREW,HHC,3/8-16 X .75	4
17	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	12
18	38620GT	SHIM,WEAR PAD,5 X 1.5,14GA	6
19	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	4
20	6097GT	WASHER, FLAT, USS, 3/8", Y	4
21	34344GT	SHIM, PAD, 3 x 5	4
22	34124GT	WEAR PAD,5 X 3 X .625 W/NUTS	2

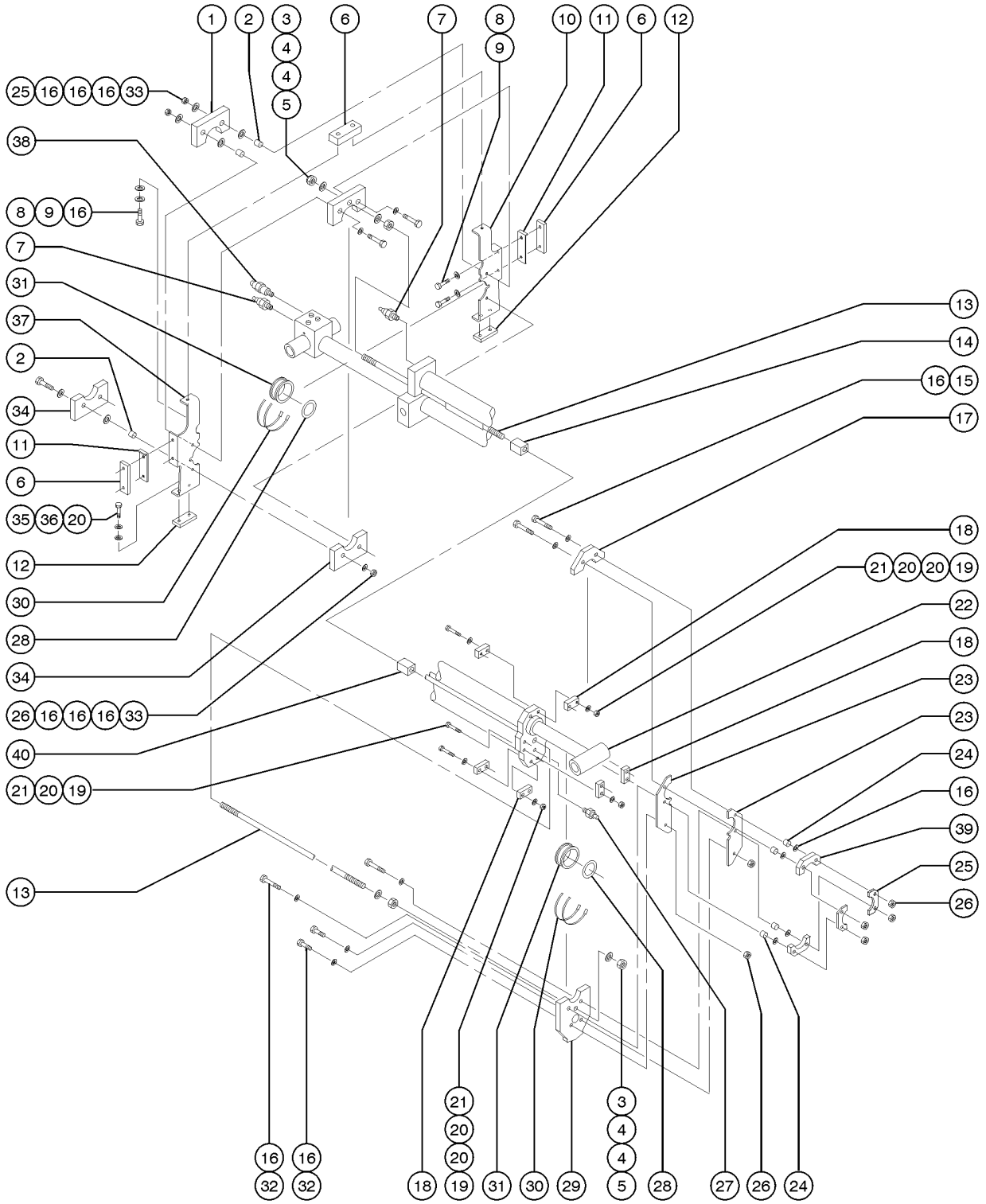
603.1 Extension Boom - View 2



603.1 Extension Boom - View 2

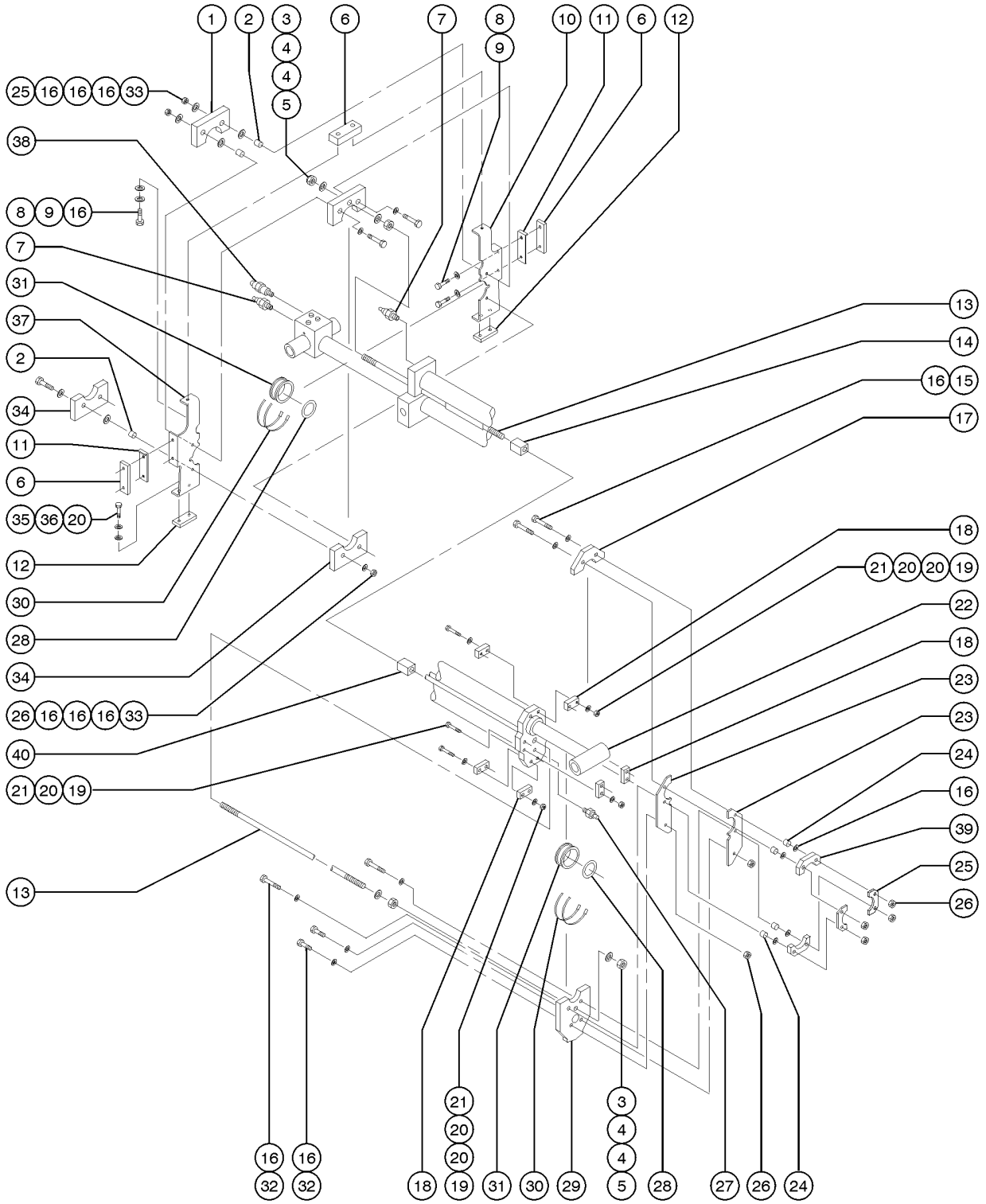
Item	Part No.	Description	Qty.
1	7339GT	SCREW,HHC,1/4-20 X .5	4
2	6356GT	WASHER,LOCK,.25	4
3	6638GT	WASHER, FLAT, USS, 1/4"Y	4
4	34284P-SGT	COVER,BOOM SECTION #1 PAINTED	2
5	58009GT	ASSEMBLY,BOOM #1,S80/85	1
6	6175GT	SCREW,HHC,3/8-16 X 1	20
7	6021GT	WASHER, LOCK, .375	48
8	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	24
9	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	6
10	38620GT	SHIM,WEAR PAD,5 X 1.5,14GA	18
11	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	28
12	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	8
13	34124GT	WEAR PAD,5 X 3 X .625 W/NUTS	6
14	38621GT	SHIM, PAD, 5 x 3	6
15	34344GT	SHIM, PAD, 3 x 5	12
16	53052-SGT	WELDMENT,BOOM #2,S80/85	1
17	6097GT	WASHER, FLAT, USS, 3/8", Y	8
18	30137GT	WEAR PAD,5 X 1.5 X .50 W/NUTS	4

604.1 Extension Cylinder Assembly



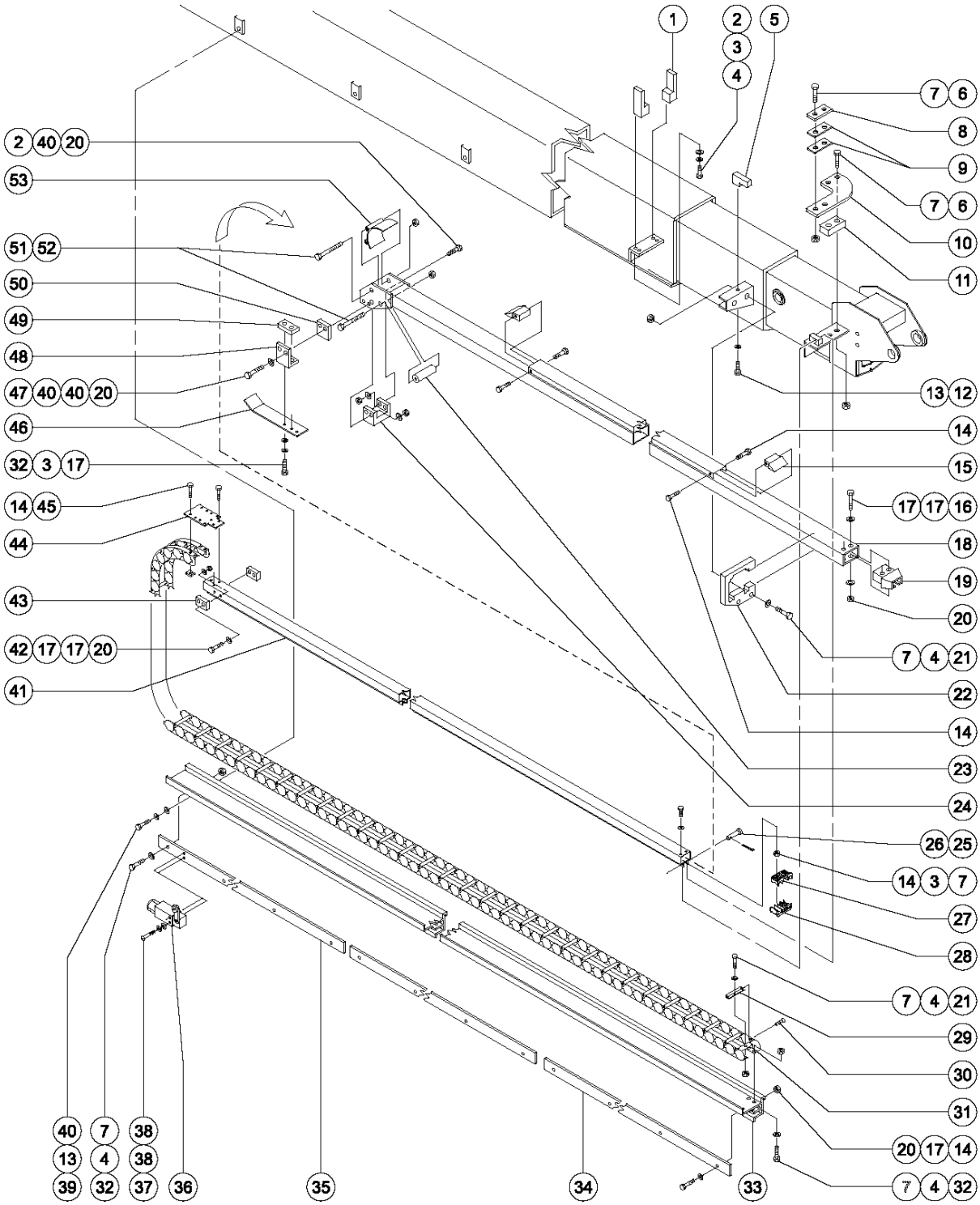
Item	Part No.	Description	Qty.
-	88047GT	GINGERBREAD MAN ASSY	
-	73876GT	ROLLER,UHMW	2
1	34177GT	WEAR PAD,BOTTOM EXT.ROD,TOP	2
2	35464GT	TUBE,RD,ALM .75X.11 6061-T6511 Confirm length before ordering	4
3	6086GT	NUT,LP NYLOCK,1/2-13	2
4	6095GT	WASHER,FLAT,USS,1/2",Y	4
5	6034GT	NUT,HEX,JAM,1/2-13	2
6	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	3
7	36188GT	VALVE,COUNTERBAL.CACA-LHN@2000	2
8	6175GT	SCREW,HHC,3/8-16 X 1	6
9	6021GT	WASHER, LOCK, .375	6
10	53114-SGT	BRACKET,LOWER ROD LH PAINTED	1
11	38620GT	SHIM,WEAR PAD,5 X 1.5,14GA	2
12	45209GT	WEAR PAD,4X2X.5 W/INSERT***	2
13	34180GT	EXTENDING ROD	2
14	73890GT	SPACER,INSIDE	
15	5387GT	SCREW,HHC,3/8-16 X 4	2
16	5397GT	WASHER, FLAT, USS, 5/16-18	22
17	34168GT	WEAR PAD,TOP ROD SUPPORT,TOP	1
18	34165GT	WEAR PAD,EXTENSION CYLINDER	8
19	6889GT	NUT,LP NYLOCK,1/4-20	8
20	6638GT	WASHER, FLAT, USS, 1/4"Y	36
21	6884GT	SCREW,HHC,1/4-20 X 2.5	6
22	63200GT	EXTENSION CYL ASSY,S80/85 Includes index numbers 7 and 37, use in place of previous cylinder 35620	1
22-	63338GT	SEAL KIT,CYL,S80 (63200)*** TOP (black color cylinder 63200)	1
22-	63339GT	SEAL KIT,EXT CYL (63200)*** BOTTOM (black color cylinder 63200)	1
22-	37499GT	SEAL KIT S60/S80 (35654/35620* TOP AND BOTTOM (cream color cylinder 35620); to SN 1613	
22-	9990290GT	EXTENSION GLAND NUT ASSY	

604.1 Extension Cylinder Assembly



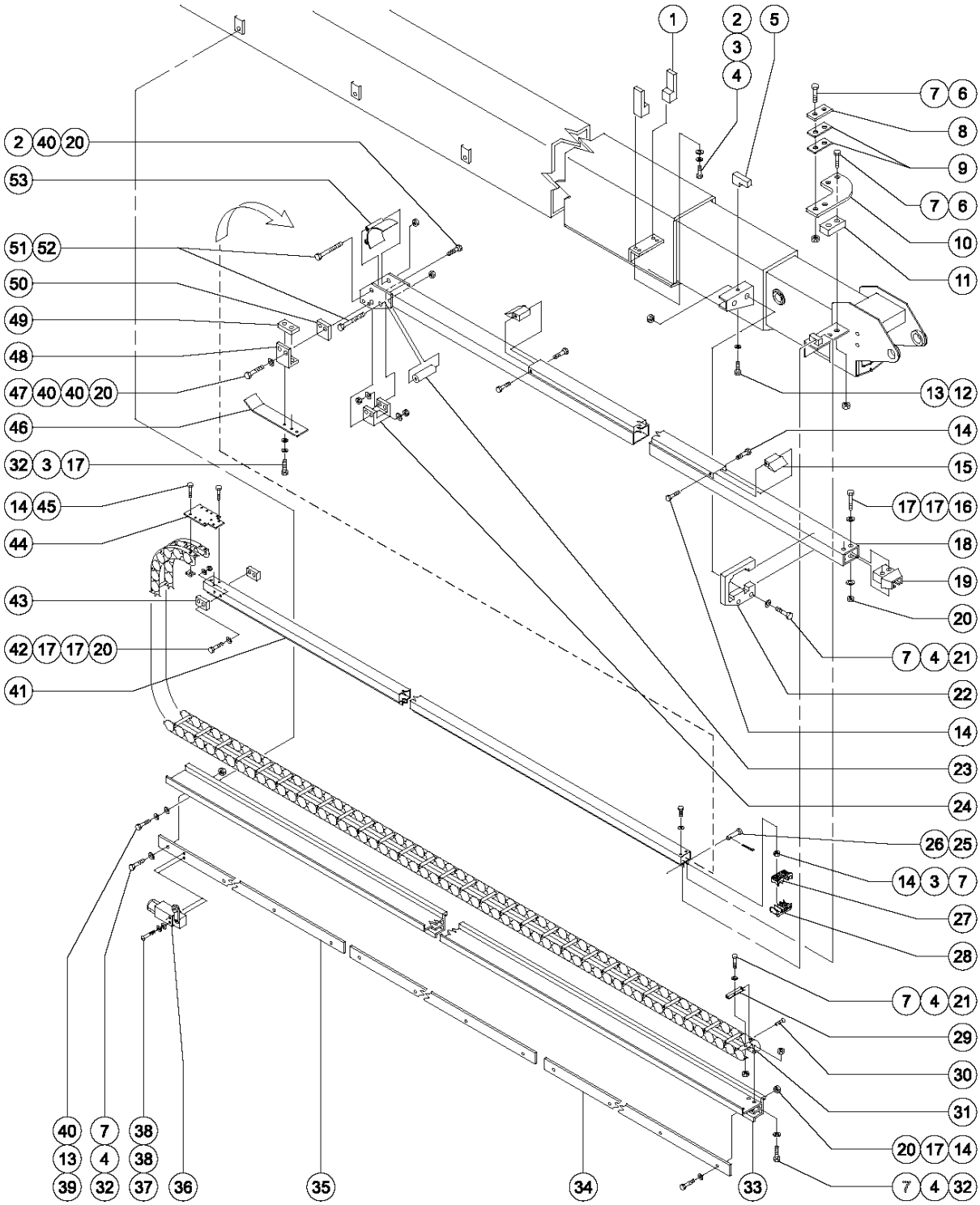
Item	Part No.	Description	Qty.
22-	9990291GT	EXTENSION GLAND NUT	
23	34167P-SGT	SUPPORT BRACKET,TOP ROD PAINTD	2
24	45400GT	SPACER TUBE,.50 LG	4
25	34808GT	BRACKET,WEAR PAD RETENTION	2
26	7713GT	NUT, LP NYLOCK, 3/8-16	8
27	40134GT	VALVE,SEQUENCE,SUN S60/80 EXT.	1
28	34809GT	O-RING, 2.25 I.D.X3/16,90 DURO	2
29	34169GT	WEAR PAD,TOP ROD SUPP.BOTTOM to SN 1117	1
29-	53116GT	WEAR PAD,TOP ROD SUPP.BOTTOM from SN 1118	
30	28443GT	CABLE TIE, 11.5" BLACK	4
31	34805GT	WEAR RING,ROD	2
32	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
33	6605GT	SCREW,HHC,3/8-16 X 3.5,GR5	4
34	34178GT	WEAR PAD,BOTTOM EXT.ROD,BOTTOM	2
35	6090GT	SCREW, HHC, 1/4-20 X .75	4
36	6356GT	WASHER,LOCK,.25	4
37	53115-SGT	BRACKET,BOTTOM ROD R.H.PAINTED	1
38	36207GT	VALVE,COUNTERBAL.CWCA-LHN@2000	1
39	34807GT	WEAR PAD	1
40	34811GT	WEAR PAD,TENSION ROD	1

605.1 Cable Track Installation



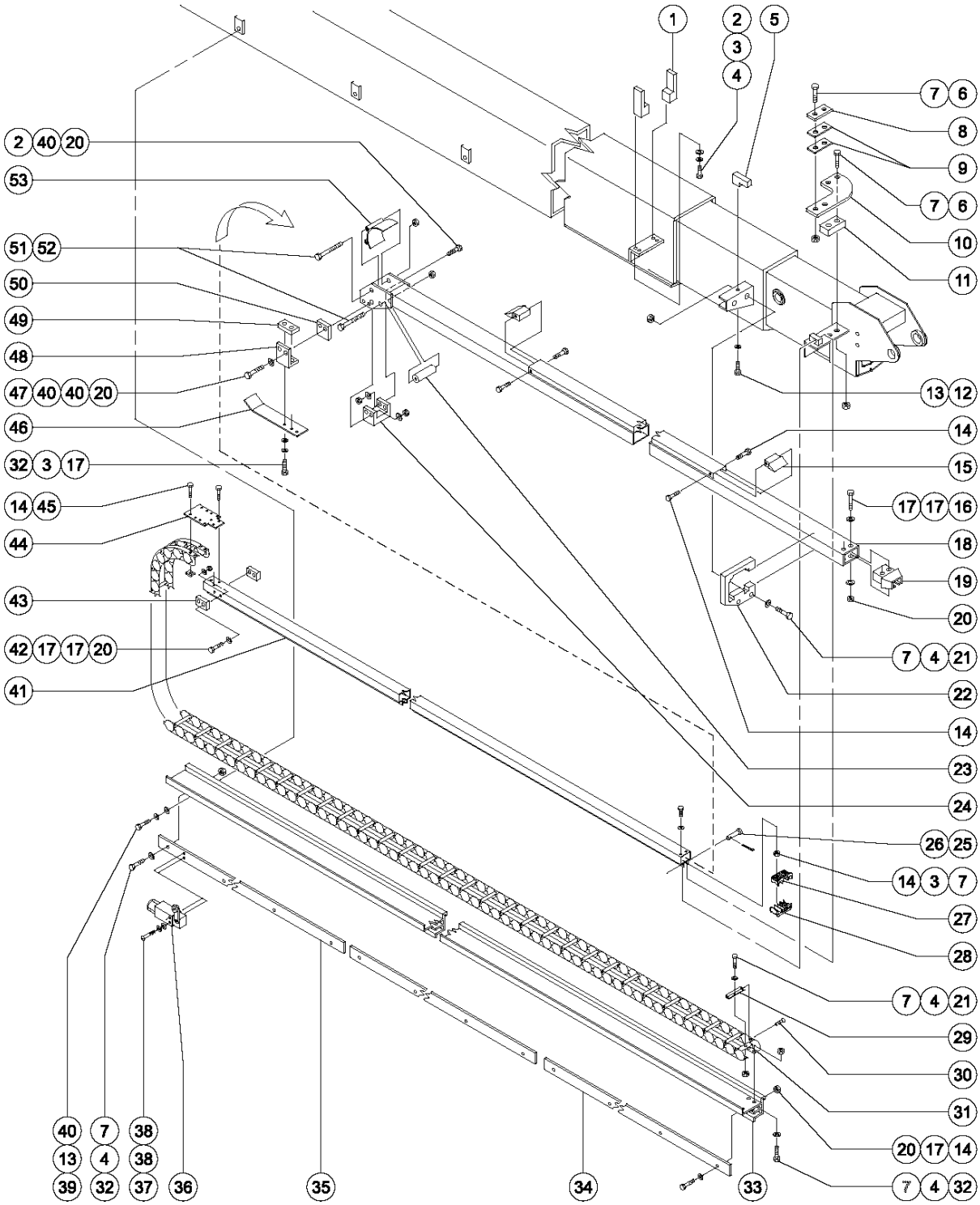
Item	Part No.	Description	Qty.
1	34636GT	WEAR PAD,CABLE TRCK OUTER TUBE	2
2	6145GT	SCREW, HHC, 1/4-20 X 1.5	8
3	6356GT	WASHER,LOCK,.25	6
4	6638GT	WASHER, FLAT, USS, 1/4"Y	14
5	34394GT	WEAR PAD,BOTTOM,CABLE TRACK	1
6	4266GT	SCREW,HHC,1/4-20 X 2 to SN 2555	4
7	6091GT	NUT,NYLOCK,1/4-20	22
8	46751P-SGT	CABLE CLAMP to SN 2555	1
9	46765GT	PAD,CABLE CLAMP to SN 2555	2
10	46750PGT	BRACKET, CABLE CLAMP to SN 2555	1
11	46752GT	SPACER, CABLE CLAMP to SN 2555	1
12	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	1
13	6021GT	WASHER, LOCK, .375	5
14	8914GT	SCREW, HHC, 1/4-20 X .625	10
15	41751GT	TUBE DEFLECTOR,PLASTIC	2
16	6115GT	SCREW,HHC,1/4-20 X 3.5	2
17	30748GT	WASHER,SHIM,1.01 X 1.63 X.062	10
18	34202-SGT	CABLE TRACK TUBE	1
19	41750GT	COW CATCHER,PLASTIC	1
20	6889GT	NUT,LP NYLOCK,1/4-20	6
21	6637GT	SCREW,HHC,1/4-20 X 1.75	7
22	34323GT	WEAR PAD,CABLE TRACK	1
23	40653GT	ROLLER,UHMW	1
24	43128GT	SLIDER BAR	1
25	34746GT	PIN,CLEVIS,.50 X 2.00 LG.	1
26	5361GT	PIN,COTTER,.125 X 1.5	1
27	63432GT	CLAMP,HOSE,BOTTOM,MOLDED from SN 2556	1
28	63433GT	CLAMP,HOSE,TOP,MOLDED from SN 2556	1

605.1 Cable Track Installation



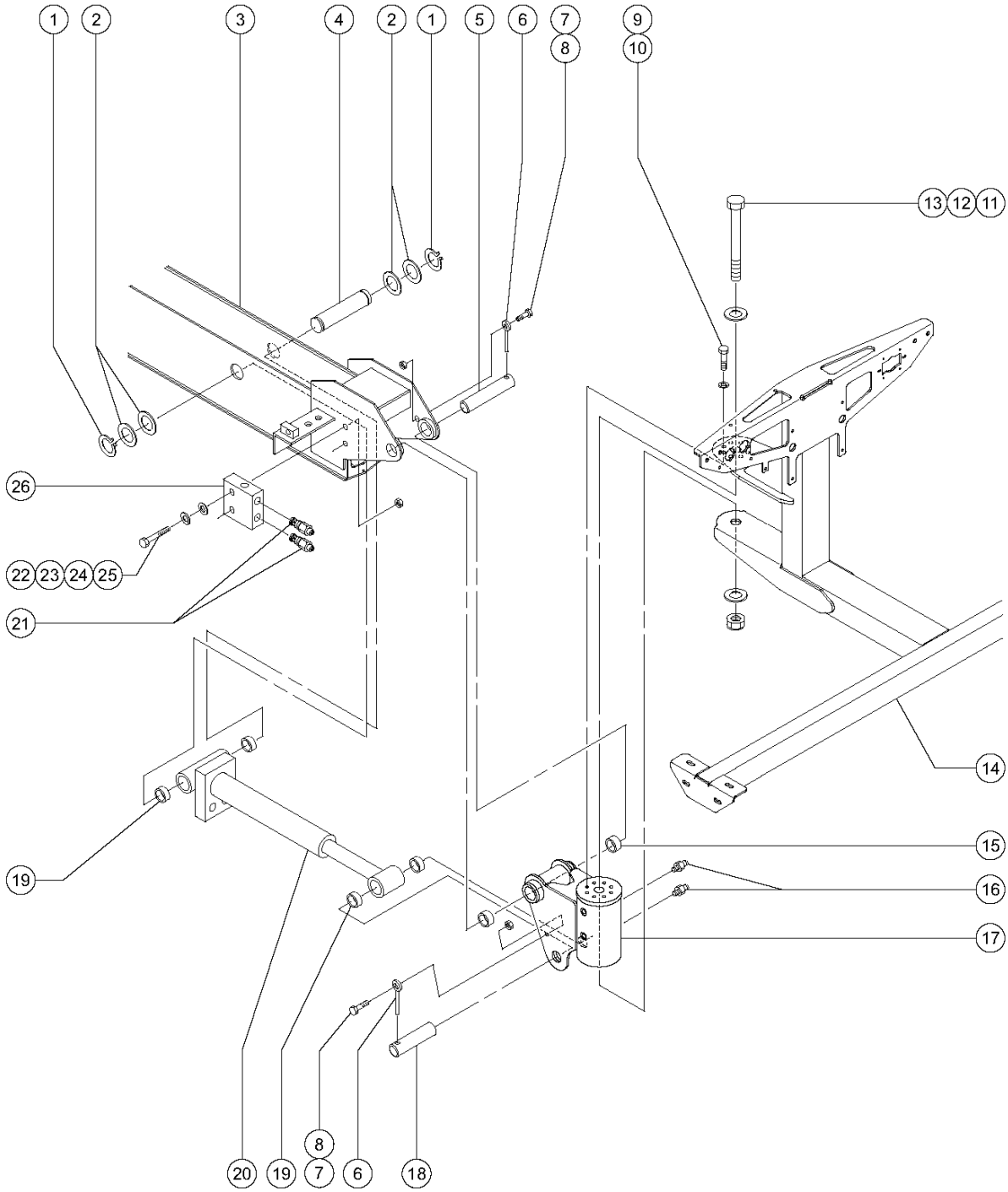
Item	Part No.	Description	Qty.
29	46766GT	CLAMP, CABLE TRACK	1
30	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	2
31	43936GT	KIT,STEEL CABLE TRACK,S80 for first-time replacement of cable track; includes 73998	
31-	73998GT	CABLETRACK,PLATED,117 LINKS	1
31-	81007GT	REPAIR LINK, 4 LINKS PLATED for 73998 steel track	
31-	46677GT	REPAIR LINK,3 LINKS (STEEL) for 43484 steel track	
31-	72268GT	END SET,STEEL43482,43483,43484 for 43484 steel track	
31-	65873GT	ROLLER,POLY,STEEL TRACK(43484) for 43484 steel track	
32	6090GT	SCREW, HHC, 1/4-20 X .75	12
33	43859-SGT	CABLE TRACK TRAY,DRILLED,S80	1
34	30757-SGT	COVER,CABLE TRACK TRAY	1
35	34749-SGT	COVER,CABLE TRACK TRAY,DRILLED	1
36	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
36-	19491GT	CONTACTOR,LIMIT SWITCH	1
37	6179GT	SCREW,RHM,10-32 X 1.25	2
38	6607GT	WASHER,LOCK,#10 PLTD	4
39	8255GT	SCREW,HHC,3/8-16 X .75	4
40	5397GT	WASHER, FLAT, USS, 5/16-18	11
41	43854-SGT	EXTRU.,CABLE TRK.SUPPT,288"DR	1
41-	27258GT	TRIM,RUBBER EDGE,5/8 (BY INCH) order as needed	inches
42	6888GT	SCREW, HHC, 1/4-20 X 1	4
43	31411GT	WEAR PAD,CABLE TRACK	2
44	43191P-SGT	PLATE,CABLE TRACK,PAINTED	1
45	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
46	36204P-SGT	BRACKET,LIMIT SWITCH EXT,BLUE*	1
47	8179GT	SCREW,HHC,1/4-20 X 2.25	2
48	41031P-SGT	ANGLE,CABLE TRACK TUBE,PAINTED	1
49	41029GT	WEAR PAD,3 X 2 X .5 W/INSERT	1

605.1 Cable Track Installation



Item	Part No.	Description	Qty.
50	41030GT	WEAR PAD,2.25 X 2.50 X .5	1
51	22832GT	SCREW,HHC,3/8-16 X 6	3
52	7713GT	NUT, LP NYLOCK, 3/8-16	3
53	36593-SGT	WELDMENT,CABLE TRACK GUIDE**	1

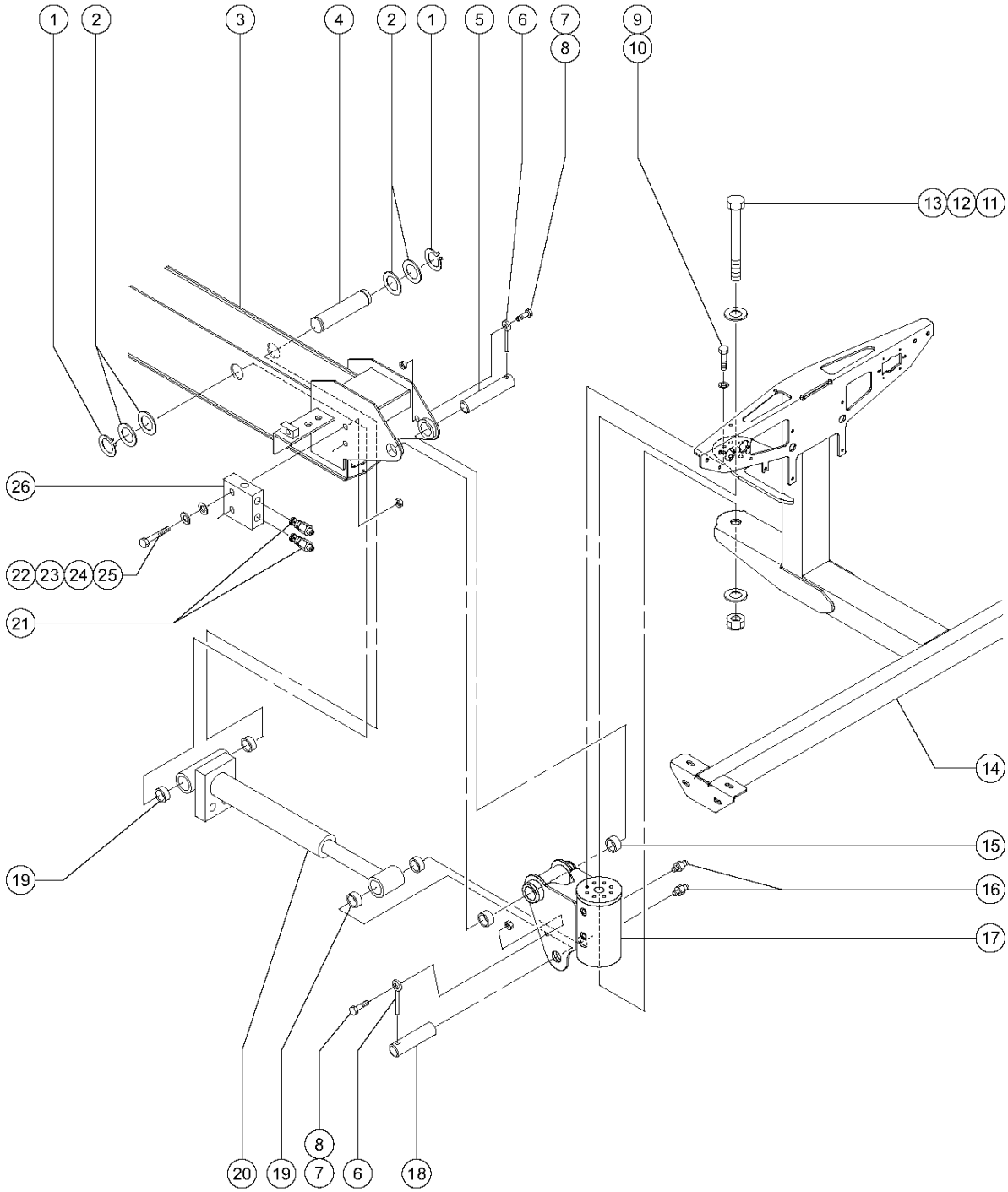
606.1 Slave Cylinder and Platform Rotator (to SN 2704)



606.1 Slave Cylinder and Platform Rotator (to SN 2704)

Item	Part No.	Description	Qty.
1	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
2	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
3	227150GT	ASSY,S80/85 #3 BOOM TUBE	1
4	T108079GT	PIN,1.25DIAX8.30LG,2RING	1
5	T108078GT	PIN,1.25DIAX9.50LG,1HOLE	1
6	825019GT	ROD END, .375X3.69, ZAG	2
7	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
8	4828GT	NUT, NYLOCK, 3/8-16	2
9	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5 USE WITH ROTATOR 30669	6
9B	6175GT	SCREW,HHC,3/8-16 X 1 USE WITH ROTATOR 73499	8
9C	27035GT	SCREW,SHC,3/8-16 X .75,BLACK USE WITH ROTATOR 94398 (INCLUDED IN ROTATOR UPDATE KIT PART NO 77874)	8
10	6033GT	WASHER,LOCK,0.5" to SN 2544	6
10-	6097GT	WASHER, FLAT, USS, 3/8", Y from SN 2547	8
11	30286GT	SCREW,HHC,1-8 X 12IN GRD.2*** to SN 2544	1
11-	73928GT	SCREW,HHC,1-8 X 11,GRD 5*** from SN 2547	1
12	13775GT	WASHER,FLAT,1.063 X 2 X .134 to SN 2544	2
12-	38859GT	WASHER,FLAT,USS,1",Y from SN 2547	1
13	29764GT	NUT,NYLOCK,1-8	1
14	50144-SGT	PLATFORM SUPPORT WELDMENT*** to SN 2544	1
14-	60370-SGT	PLATFORM SUPPORT WELDMNT-SERV* shown; from SN 2547	1
15	30219GT	BEARING,FL,1.25ID X 1.41OD X 1	2
16	13852GT	VALVE ASSY,BLEED***	2
16-	88516GT	SCREW,BLEEDER,M5X0.8 USE WITH ROTATOR PART NO 94398	2
17A		ROTATOR (30669, 73499) component no longer available; order update kit per serial range shown below	
17B	77874GT	ROTATOR ASSEMBLY,8.2K*** ROTATOR UPDATE KIT (required for first-time replacement of obsolete rotator 30669) from SN 966 to 2546	1
17B-	94398GT	ROTATOR,PLAT,NON-JIB	
17B-	73807GT	MANIFOLD,ROTATOR,CB***	

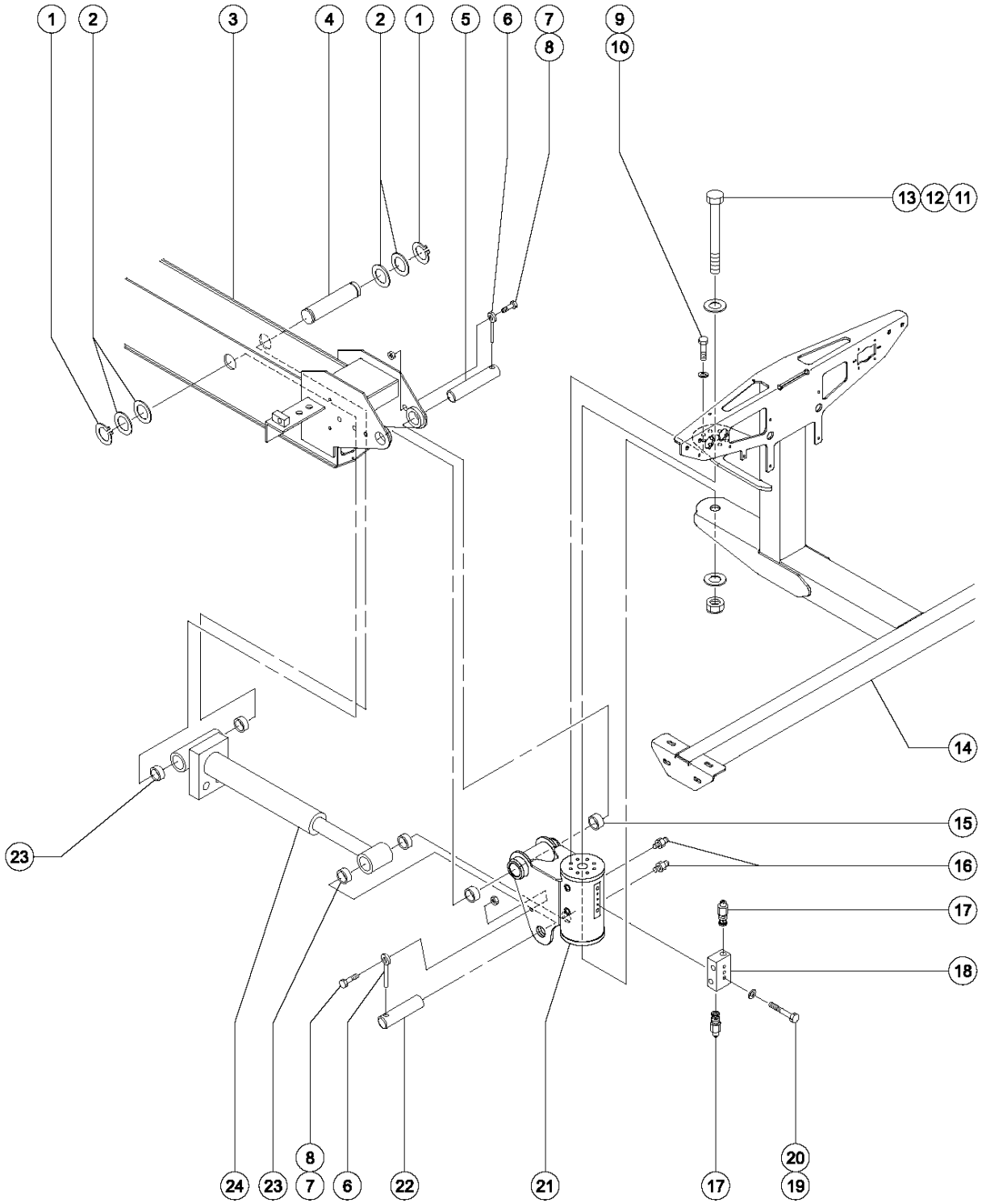
606.1 Slave Cylinder and Platform Rotator (to SN 2704)



606.1 Slave Cylinder and Platform Rotator (to SN 2704)

Item	Part No.	Description	Qty.
17C	111172GT	STICK BOOM ROTATOR SERVICE KIT .... ROTATOR UPDATE KIT (required for first-time replacement of obsolete rotator 73499) from SN 2547 to 2704	
17C-	94398GT	ROTATOR,PLAT,NON-JIB	
17C-	73807GT	MANIFOLD,ROTATOR,CB***	
17D-	122944GT	SEAL KIT,8K ROTATOR*** rotator 94398	
17D-	65842GT	SEAL KIT,UNIVERSAL,9K ROTATOR* rotator 30669	1
17D-	62417GT	SEAL KIT,PLAT ROTATE*** rotator 73499 and 73917	1
17D-	106421GT	SEAL KIT,ARCTIC,ROTATOR 8.2K** rotator 73499 and 73917	1
17D-	75395GT	BEARING KIT,PLAT ROTATOR,SUPER rotator 73499 and 73917	1
17D-	31498GT	BEARING KIT,ROTATOR,9K*** rotator 30669	
17D-	77877GT	SHAFT ADAPTER, HELAC ROTATOR (INCLUDED IN ROTATOR UPDATE KIT PART NO 77874)	1
18	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
19	47377GT	BEARING,1.25 ID X 1.5 OD X .75	4
20	63210GT	CYLINDER,SLAVE,3 X 11.38*** includes index number 19	1
20-	63350GT	SEAL KIT,CYL (63210)	1
20-	59267GT	VALVE,COUNTERBAL.CACG-LGN@3500 for black cylinder	1
20-	43169GT	VALVE,COUNTERBALANCE*** for blue cylinder	1
21	32722GT	VALVE,COUNTERBAL.CBCG-LJN@3000	2
22	8179GT	SCREW,HHC,1/4-20 X 2.25	2
23	6356GT	WASHER,LOCK,.25	2
24	6638GT	WASHER, FLAT, USS, 1/4"Y	2
25	6091GT	NUT,NYLOCK,1/4-20	2
26	30823GT	VALVE,DUAL CB MANIFOLD includes index number 21	1

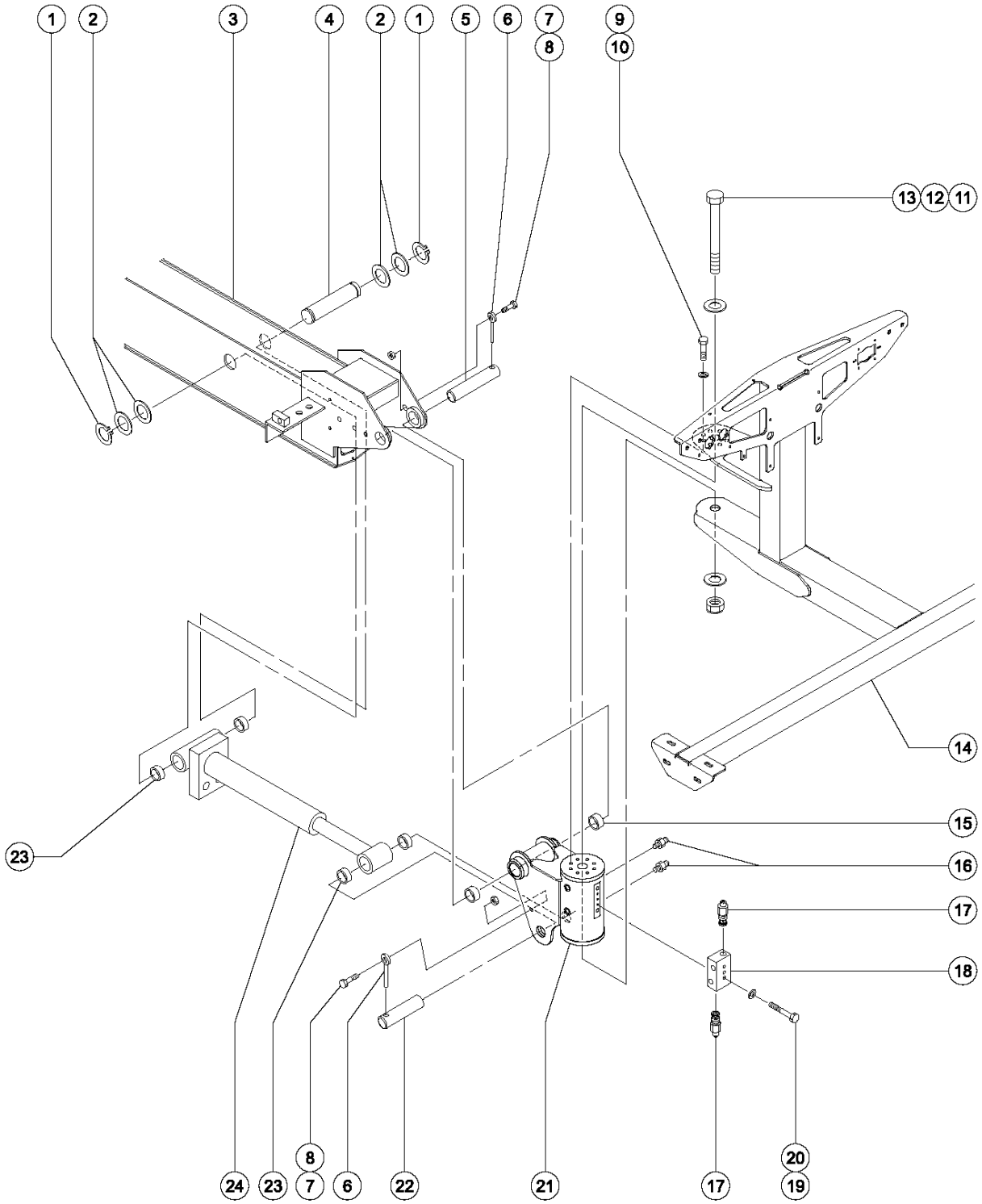
606.2 Slave Cylinder and Platform Rotator (from SN 2705)



606.2 Slave Cylinder and Platform Rotator (from SN 2705)

Item	Part No.	Description	Qty.
1	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
2	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
3	227150GT	ASSY,S80/85 #3 BOOM TUBE	1
4	T108079GT	PIN,1.25DIAX8.30LG,2RING	1
5	T108078GT	PIN,1.25DIAX9.50LG,1HOLE	1
6	825019GT	ROD END, .375X3.69, ZAG	2
7	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
8	4828GT	NUT, NYLOCK, 3/8-16	2
9	6175GT	SCREW,HHC,3/8-16 X 1	8
10	6097GT	WASHER, FLAT, USS, 3/8", Y	8
11	73928GT	SCREW,HHC,1-8 X 11,GRD 5***	1
12	38859GT	WASHER,FLAT,USS,1",Y	1
13	29764GT	NUT,NYLOCK,1-8	1
14	60370-SGT	PLATFORM SUPPORT WELDMNT-SERV*	1
15	30219GT	BEARING,FL,1.25ID X 1.41OD X 1	2
16	88516GT	SCREW,BLEEDER,M5X0.8	2
17	62506GT	VALVE - COUNTERBALANCE**	2
18	73807GT	MANIFOLD,ROTATOR,CB*** includes index number 17	1
19	6145GT	SCREW, HHC, 1/4-20 X 1.5	3
20	6356GT	WASHER,LOCK,.25	3
21	94398GT	ROTATOR,PLAT,NON-JIB	1
21-	122944GT	SEAL KIT,8K ROTATOR*** rotator 94398	1
21-	77877GT	SHAFT ADAPTER, HELAC ROTATOR (INCLUDED IN ROTATOR UPDATE KIT PART NO 77874)	
21-	73807GT	MANIFOLD,ROTATOR,CB*** (INCLUDED IN ROTATOR UPDATE KIT PART NO 77874 and 111172)	
21-	75395GT	BEARING KIT,PLAT ROTATOR,SUPER rotator 73499 and 73917	1
21-	62417GT	SEAL KIT,PLAT ROTATE*** rotator 73499 and 73917	1
22	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
23	47377GT	BEARING,1.25 ID X 1.5 OD X .75	4

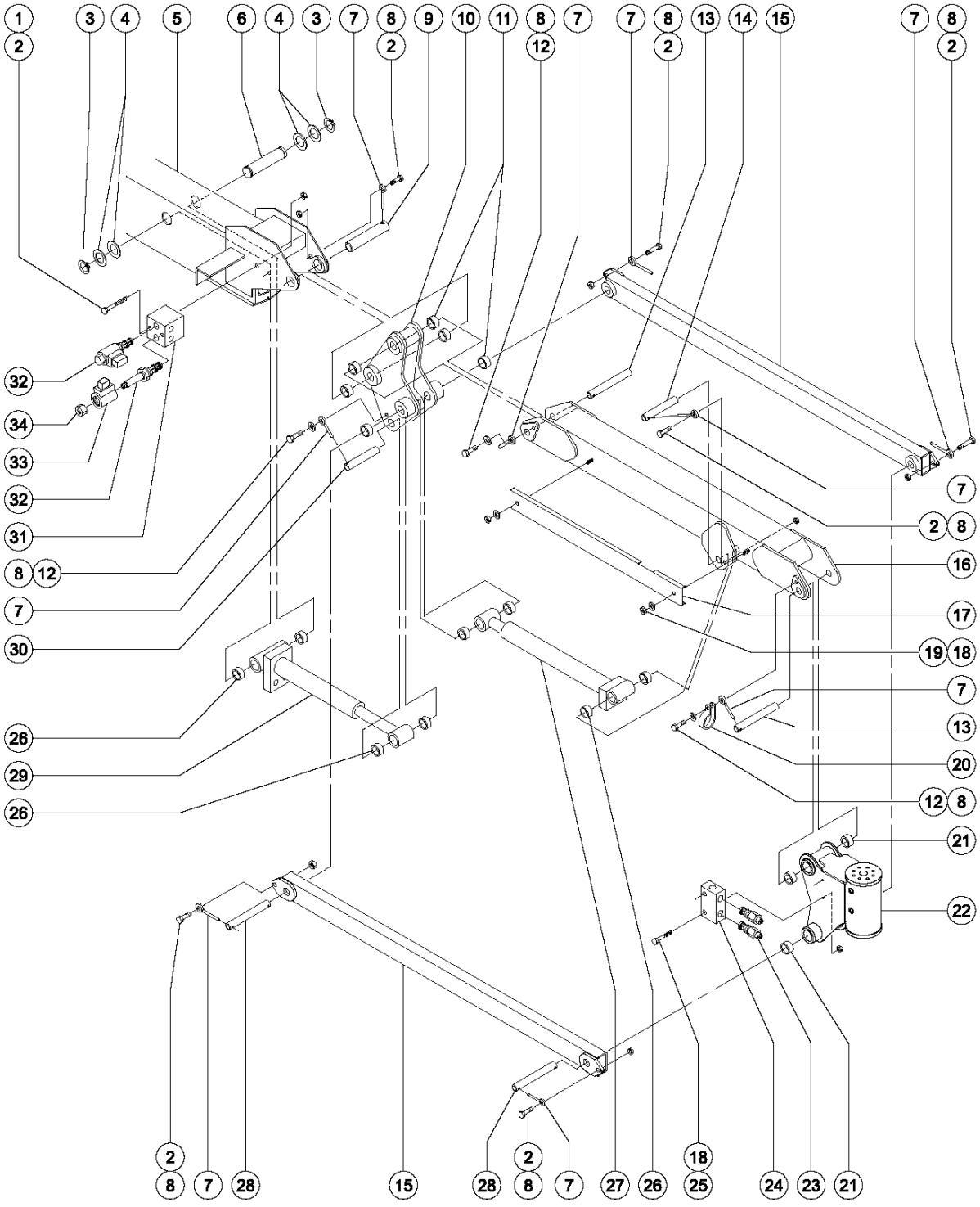
606.2 Slave Cylinder and Platform Rotator (from SN 2705)



606.2 Slave Cylinder and Platform Rotator (from SN 2705)

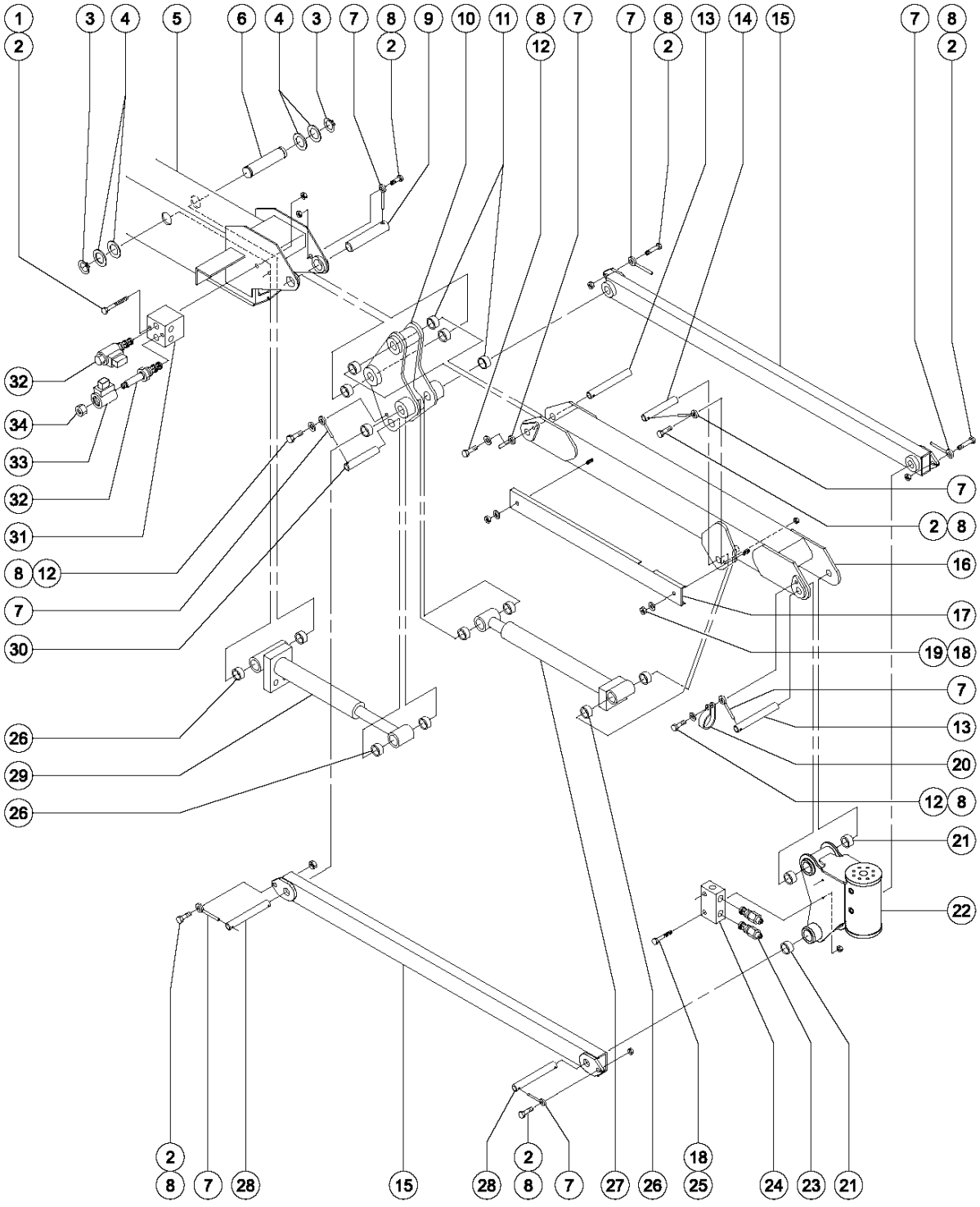
Item	*Part No.*	*Description*	*Qty.*
24	63210GT	CYLINDER,SLAVE,3 X 11.38*** ..... includes index number 15	1
24-	63350GT	SEAL KIT,CYL (63210)	1
24-	59267GT	VALVE,COUNTERBAL.CACG-LGN@3500 ..... for black cylinder	1
24-	43169GT	VALVE,COUNTERBALANCE*** ..... for blue cylinder	
24-	43018GT	SEAL KIT (39345)	

607.1 Jib Boom and Platform Rotator (to SN 2704)



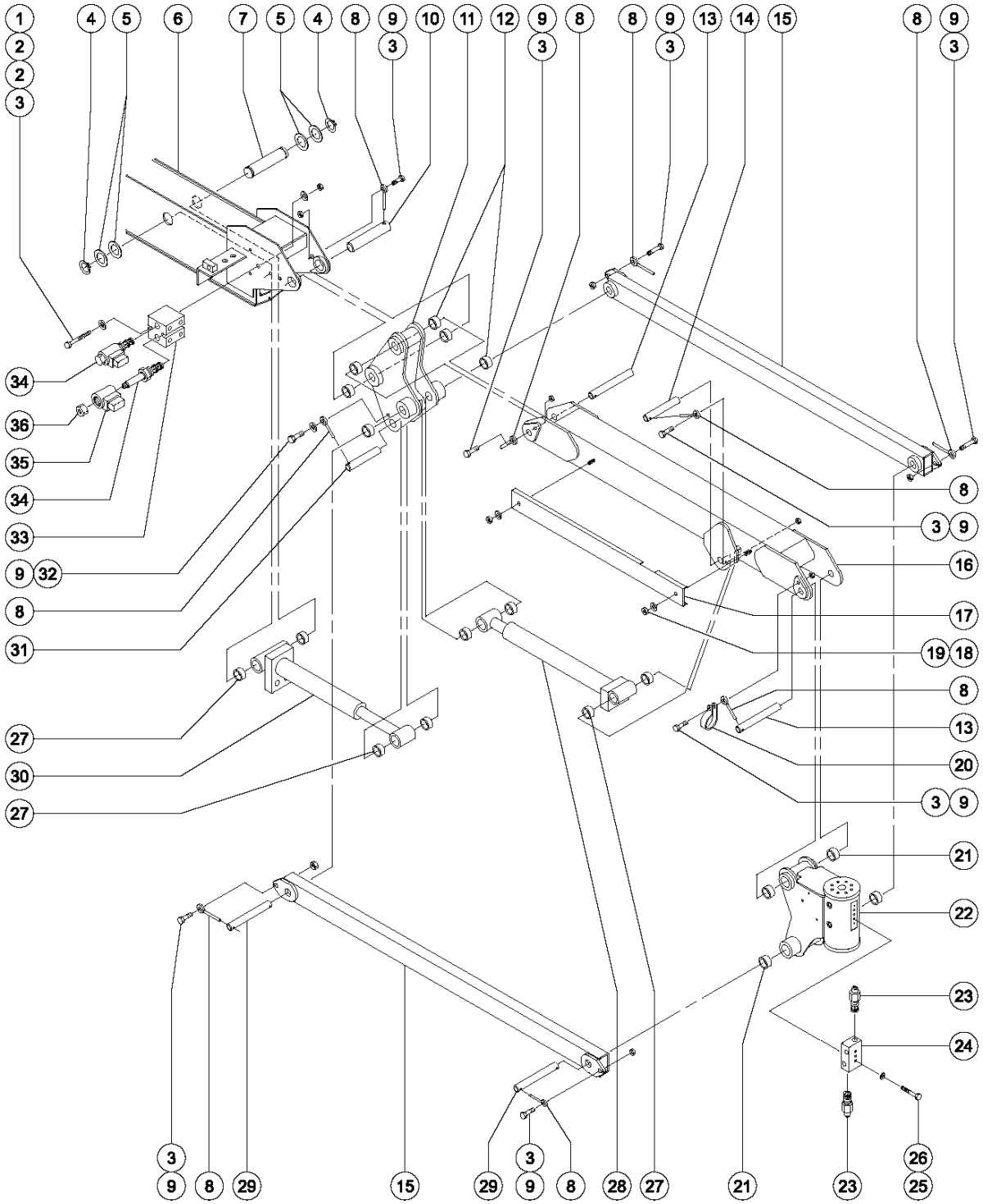
Item	Part No.	Description	Qty.
1	5387GT	SCREW,HHC,3/8-16 X 4	2
2	4828GT	NUT, NYLOCK, 3/8-16	8
3	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
4	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
5	227150GT	ASSY,S80/85 #3 BOOM TUBE	1
6	T108079GT	PIN,1.25DIAX8.30LG,2RING	1
7	825019GT	ROD END, .375X3.69, ZAG	7
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
9	T108078GT	PIN,1.25DIAX9.50LG,1HOLE	1
10	89801GT	BELLCRANK ASSY W/BEARINGS includes index number 11	1
11	35675GT	BEARING,FL,1.25IDX1.5ODX1.25L	6
12	6021GT	WASHER, LOCK, .375	3
13	T108076GT	PIN,1.25DIAX7.88LG,1HOLE	2
14	T108077GT	PIN,1.25DIAX7.00LG,1HOLE	1
15	61306-SGT	COMPR.LINK,MACHINED,GND CONTR*	2
16		SERVICE KIT, 5FT JIB see section 610.1 for jib detail	1
17	54527-SGT	CABLE COVER,JIB***	1
18	6091GT	NUT,NYLOCK,1/4-20	4
19	6638GT	WASHER, FLAT, USS, 1/4"Y	2
20	32339GT	CLAMP,1.75,#28 X 3/8,RUB CUSH*	1
21	30219GT	BEARING,FL,1.25ID X 1.41OD X 1	4
22	77875GT	ROTATOR ASSEMBLY,8.2K*** required for first time replacement of older rotators; includes hydraulic rotator part number 94397,manifold part number 73807 and shaft adapter 77877; to SN 2546	1
22-	94397GT	ROTATOR,PLAT JIB,160 DEG***	
22-	122944GT	SEAL KIT,8K ROTATOR*** for rotator 94397	
22-	65842GT	SEAL KIT,UNIVERSAL,9K ROTATOR* for rotator 30947	1
22-	31498GT	BEARING KIT,ROTATOR,9K*** for rotator 30947	1
22-	13852GT	VALVE ASSY,BLEED*** for rotator 30947	1
22-	62417GT	SEAL KIT,PLAT ROTATE*** for rotators 73498	1

607.1 Jib Boom and Platform Rotator (to SN 2704)



Item	Part No.	Description	Qty.
23	32722GT	VALVE,COUNTERBAL.CBCG-LJN@3000 for manifold 30823	2
23-	62506GT	VALVE - COUNTERBALANCE** for manifold 73807	2
24	30823GT	VALVE,DUAL CB MANIFOLD for rotator 30947	1
24-	73807GT	MANIFOLD,ROTATOR,CB*** for rotator 94397	
25	8179GT	SCREW,HHC,1/4-20 X 2.25	2
26	1262634GT	BUSHING,POLYGON,BM5121	8
27	63213GT	CYLINDER,JIB (STICK BOOMS) includes 4 each index number 26	1
27-	63353GT	SEAL KIT,CYL,S65 (63213)	1
27-	33428GT	VALVE,COUNTERBALANCE	1
28	81175GT	PIN,1.25DIAX14.45LG,2HOLE	2
29	63210GT	CYLINDER,SLAVE,3 X 11.38*** includes 4 each index number 26	1
29-	63350GT	SEAL KIT,CYL (63210)	
29-	43169GT	VALVE,COUNTERBALANCE*** for blue cylinder	
29-	59267GT	VALVE,COUNTERBAL.CACG-LGN@3500 for black cylinder	1
30	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
31	73616GT	MANIFOLD,JIB SELECT*** Previous manifold 30228 is no longer available. Please order manifold 73616 for complete replacement	
32A	62267GT	VALVE,SOLENOID N/C (SHORT)*** short valve for previous manifold 30228	1
32A-	62262GT	VALVE,SOLENOID N/O (LONG)*** long valve for previous manifold 30228	1
32B	83005GT	VALVE, SOLENOID (73616)-SHORT short valve for manifold 73616	1
32B-	83006GT	VALVE, SOLENOID (73616)-LONG** long valve for manifold 73616	1
33	62273GT	COIL,GREEN W/ 2 PIN CONNECTOR* for vavles 62267 and 62262	2
33-	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* for valves 83005 and 83006	2
34	45912GT	NUT,SOLENOID VALVE 2P3W for valves 62262 and 83006	1
34-	19792GT	NUT,SOLENOID VALVE for valves 62267 and 83005	1

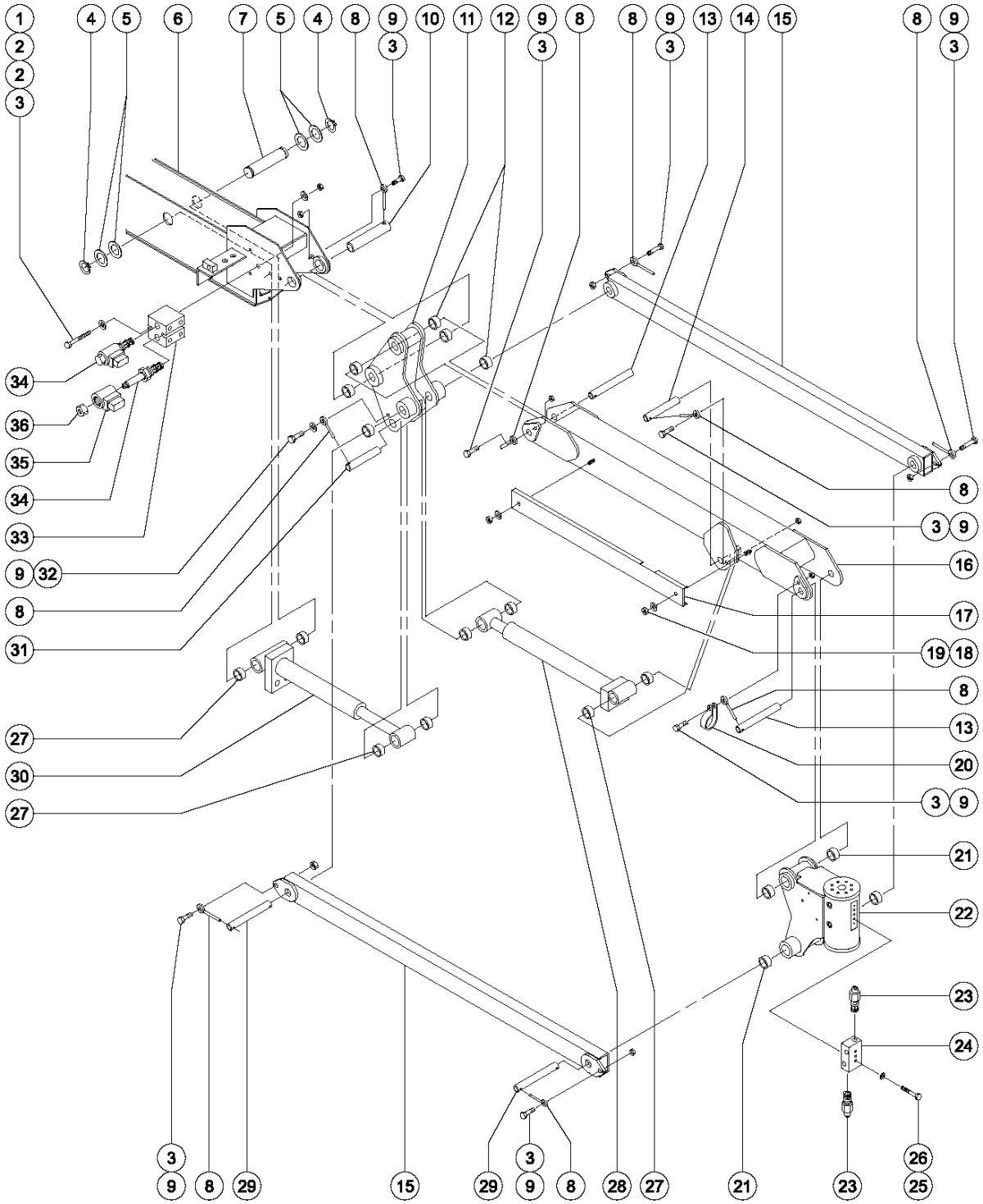
607.2 Jib Boom and Platform Rotator (from SN 2705)



607.2 Jib Boom and Platform Rotator (from SN 2705)

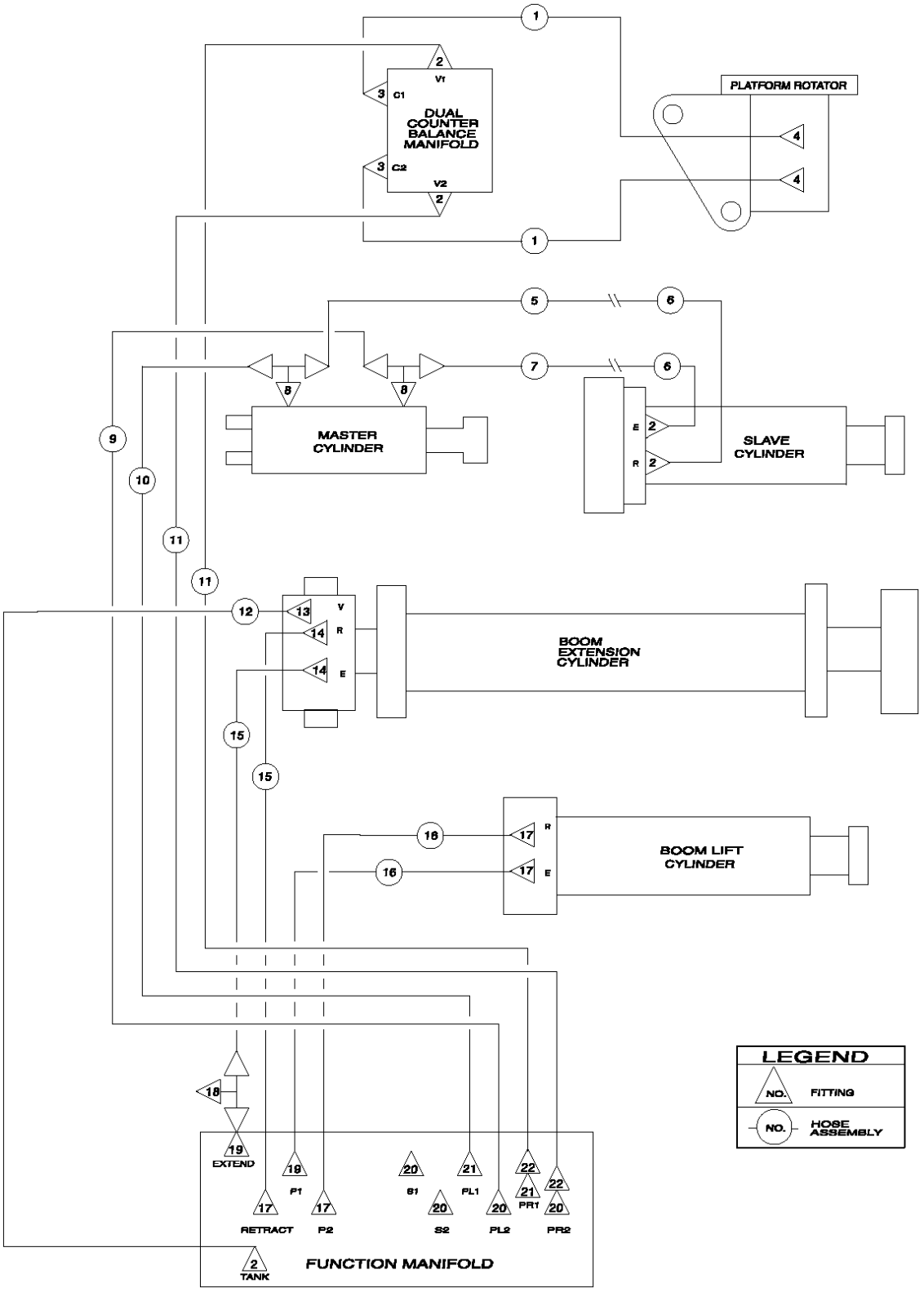
Item	Part No.	Description	Qty.
1	21604GT	SCREW,HHC,3/8-16 X 3.25	2
2	54355GT	WASHER,FLAT,SAE,3/8",Y	2
3	4828GT	NUT, NYLOCK, 3/8-16	8
4	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
5	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
6	227150GT	ASSY,S80/85 #3 BOOM TUBE	1
7	T108079GT	PIN,1.25DIAX8.30LG,2RING	1
8	825019GT	ROD END, .375X3.69, ZAG	7
9	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
10	T108078GT	PIN,1.25DIAX9.50LG,1HOLE	1
11	89801GT	BELLCRANK ASSY W/BEARINGS includes index number 11	1
12	35675GT	BEARING,FL,1.25IDX1.5ODX1.25L	6
13	T108076GT	PIN,1.25DIAX7.88LG,1HOLE	2
14	T108077GT	PIN,1.25DIAX7.00LG,1HOLE	1
15	61306-SGT	COMPR.LINK,MACHINED,GND CONTR*	2
16		SERVICE KIT, 5FT JIB see section 610.1 for jib detail	1
17	54527-SGT	CABLE COVER,JIB***	1
18	6091GT	NUT,NYLOCK,1/4-20	4
19	6638GT	WASHER, FLAT, USS, 1/4"Y	2
20	32339GT	CLAMP,1.75,#28 X 3/8,RUB CUSH*	1
21	30219GT	BEARING,FL,1.25ID X 1.41OD X 1	4
22	94397GT	ROTATOR,PLAT JIB,160 DEG*** replaces rotator item 60505	1
22-	122944GT	SEAL KIT,8K ROTATOR*** for rotator 94397	
22-	62417GT	SEAL KIT,PLAT ROTATE*** for rotator 60505 and 73498	1
22-	75395GT	BEARING KIT,PLAT ROTATOR,SUPER for rotator 94397 and 60505	1
23	62506GT	VALVE - COUNTERBALANCE**	2
24	73807GT	MANIFOLD,ROTATOR,CB*** includes index number 23	1
25	6145GT	SCREW, HHC, 1/4-20 X 1.5	2

607.2 Jib Boom and Platform Rotator (from SN 2705)



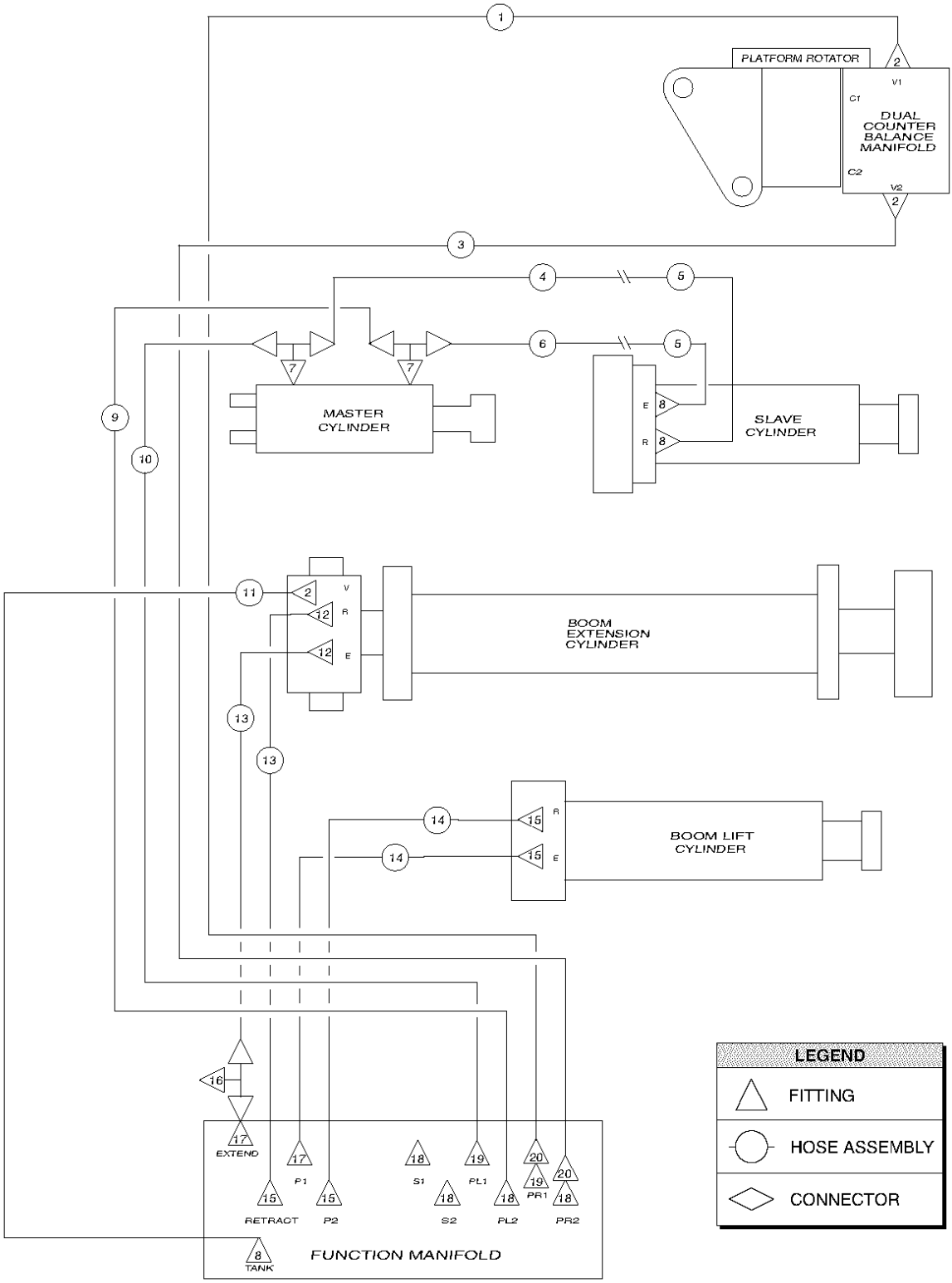
Item	Part No.	Description	Qty.
26	6356GT	WASHER,LOCK,.25	3
27	1262634GT	BUSHING,POLYGON,BM5121	8
28	63213GT	CYLINDER,JIB (STICK BOOMS) includes 4 each index number 27	1
28-	63353GT	SEAL KIT,CYL,S65 (63213)	1
28-	33428GT	VALVE,COUNTERBALANCE	1
29	81175GT	PIN,1.25DIAX14.45LG,2HOLE	2
30	63210GT	CYLINDER,SLAVE,3 X 11.38*** includes 4 each index number 27	1
30-	63350GT	SEAL KIT,CYL (63210)	2
30-	59267GT	VALVE,COUNTERBAL.CACG-LGN@3500 for black cylinder	1
30-	43169GT	VALVE,COUNTERBALANCE*** for blue cylinder	
30-	43018GT	SEAL KIT (39345)	
31	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
32	6021GT	WASHER, LOCK, .375	1
33	73616GT	MANIFOLD,JIB SELECT***	1
34A	29066GT	VALVE,SOLENOID,10V,2POS 3WAY** to SN 2744	2
34B	83005GT	VALVE, SOLENOID (73616)-SHORT short valve; from SN 2745	1
34B-	83006GT	VALVE, SOLENOID (73616)-LONG** long valve; from SN 2745	1
35	27814GT	COIL,SOLENOID,10V for valve 29066; from SN 2705 to SN 2744	2
35-	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* for valves 83005 and 83006; from SN 2745	2
36	45912GT	NUT,SOLENOID VALVE 2P3W for valves 29066 and 83006	1
36-	19792GT	NUT,SOLENOID VALVE for valve 83005 only	1

608.1 Hydraulic Hoses and Fittings - Boom Components (to SN 2704)



Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49119-2603GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
2	48912GT	CONN,520120-4-6***	5
3	48911GT	ELBOW,90D,520220-4-6***	2
4	48886GT	CONNECTOR,520120-4 SPEC.	2
5	49118-100400GT	HOSE ASSEMBLY,1/4"	1
6	49184-2451GT	HOSE ASSEMBLY,1/4"	2
7	49118-100000GT	HOSE ASSEMBLY,1/4"	1
8	48919GT	TEE,BRANCH,520429-6	2
9	49122-14036GT	HOSE ASSEMBLY,1/4"	1
10	49122-13261GT	HOSE ASSEMBLY,1/4"	1
11	49163-107000GT	HOSE ASSEMBLY,1/4"	2
12	49117-15416GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
13	48907GT	ELBOW,45D,520320-4	1
14	48937GT	ELBOW,45D,520320-8	2
15	49109-15854GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
16	75278-8229GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
17	48933GT	CONN,520120-8***	4
18	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
19	48934GT	CONN,LONG,520122-8	2
20	48916GT	CONN, 520120-6	4
21	48917GT	CONN,LONG,520122-6	2
22	48892GT	ELBOW,SWIVEL 90D, 520221-6	2

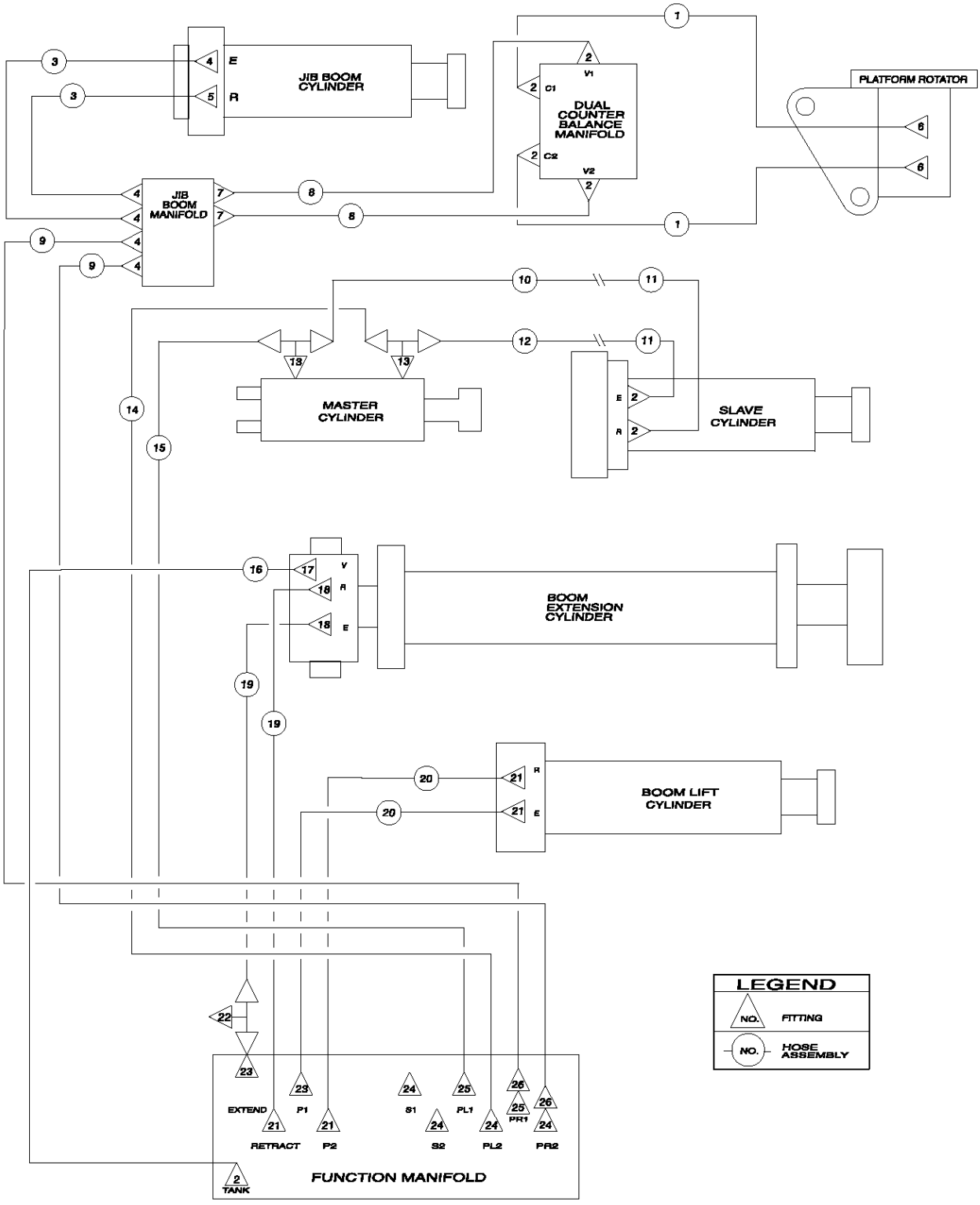
608.2 Hydraulic Hoses and Fittings - Boom Components (from SN 2705)



608.2 Hydraulic Hoses and Fittings - Boom Components (from SN 2705)

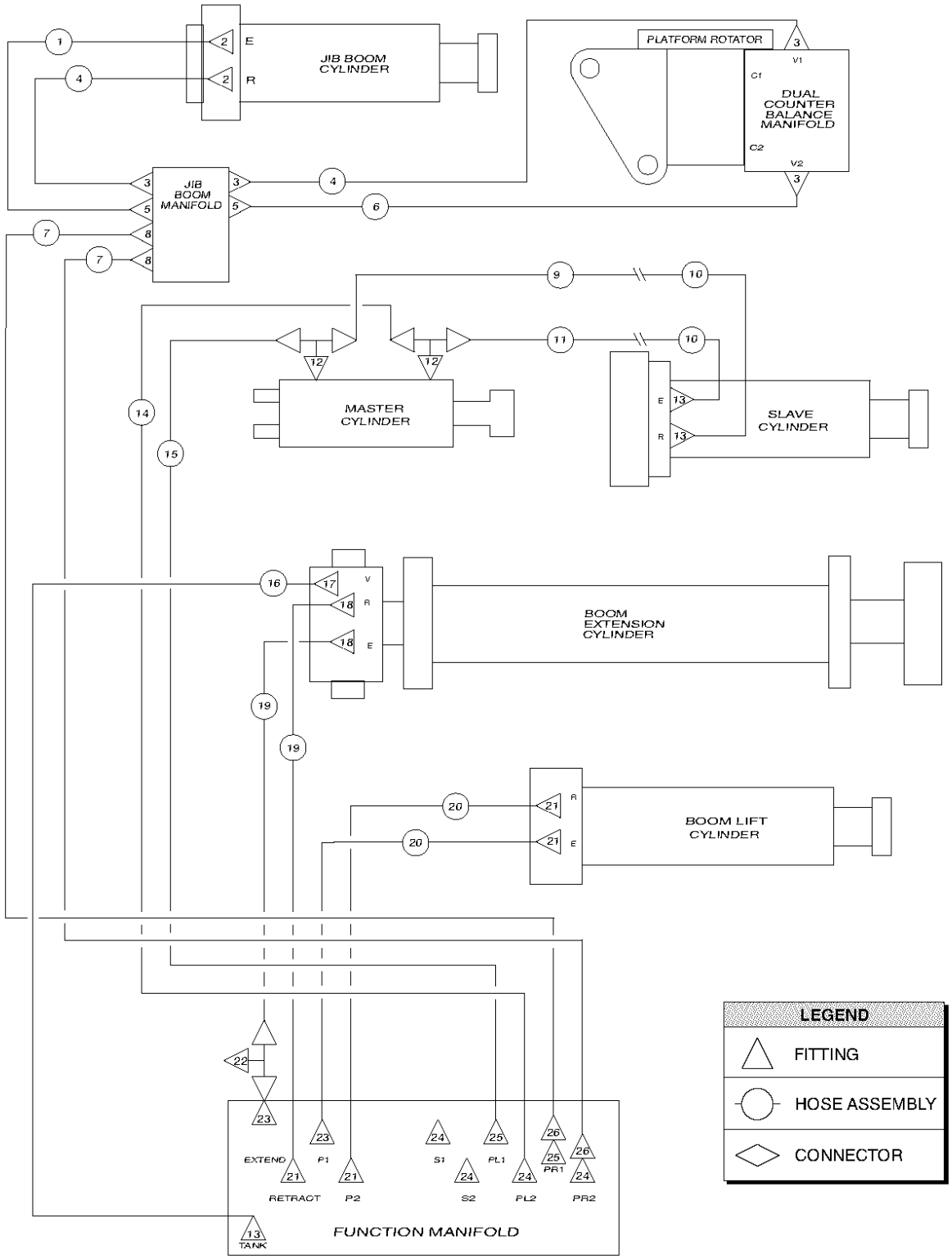
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49120-107081GT	HOSE ASSEMBLY, 1/4"	1
2	48907GT	ELBOW,45D,520320-4	2
3	49163-107000GT	HOSE ASSEMBLY,1/4"	2
4	49118-100400GT	HOSE ASSEMBLY,1/4"	1
5	49184-2451GT	HOSE ASSEMBLY,1/4"	2
6	49118-100000GT	HOSE ASSEMBLY,1/4"	1
7	48919GT	TEE,BRANCH,520429-6	2
8	48912GT	CONN,520120-4-6***	2
9	49122-14036GT	HOSE ASSEMBLY,1/4"	1
10	49122-13261GT	HOSE ASSEMBLY,1/4"	1
11	49117-15416GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
12	48937GT	ELBOW,45D,520320-8	2
13	49109-15854GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
14	75278-8229GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
15	48933GT	CONN,520120-8***	4
16	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
17	48934GT	CONN,LONG,520122-8	2
18	48916GT	CONN, 520120-6	4
19	48917GT	CONN,LONG,520122-6	2
20	48892GT	ELBOW,SWIVEL 90D, 520221-6	2

609.1 Hydraulic Hoses and Fittings - Boom Components (to SN 2704)



Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49119-1703GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
2	48911GT	ELBOW,90D,520220-4-6***	7
3	49117-8616GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
4	48912GT	CONN,520120-4-6***	5
5	48900GT	CONN,520120-4-6,.035,ORI	1
6	48886GT	CONNECTOR,520120-4 SPEC.	2
7	48913GT	CONN,520120-12-16	2
8	49116-8662GT	HOSE ASSY,1/4,45 FEM,STR FEM	2
9	49163-107000GT	HOSE ASSEMBLY,1/4"	2
10	49118-100400GT	HOSE ASSEMBLY,1/4"	1
11	49184-2451GT	HOSE ASSEMBLY,1/4"	2
12	49118-100000GT	HOSE ASSEMBLY,1/4"	1
13	48919GT	TEE,BRANCH,520429-6	2
14	49122-14036GT	HOSE ASSEMBLY,1/4"	1
15	49122-13261GT	HOSE ASSEMBLY,1/4"	1
16	49117-15416GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
17	48907GT	ELBOW,45D,520320-4	1
18	48937GT	ELBOW,45D,520320-8	2
19	49109-15854GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
20	75278-8229GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
21	48933GT	CONN,520120-8***	4
22	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
23	48934GT	CONN,LONG,520122-8	2
24	48916GT	CONN, 520120-6	4
25	48917GT	CONN,LONG,520122-6	2
26	48892GT	ELBOW,SWIVEL 90D, 520221-6	2

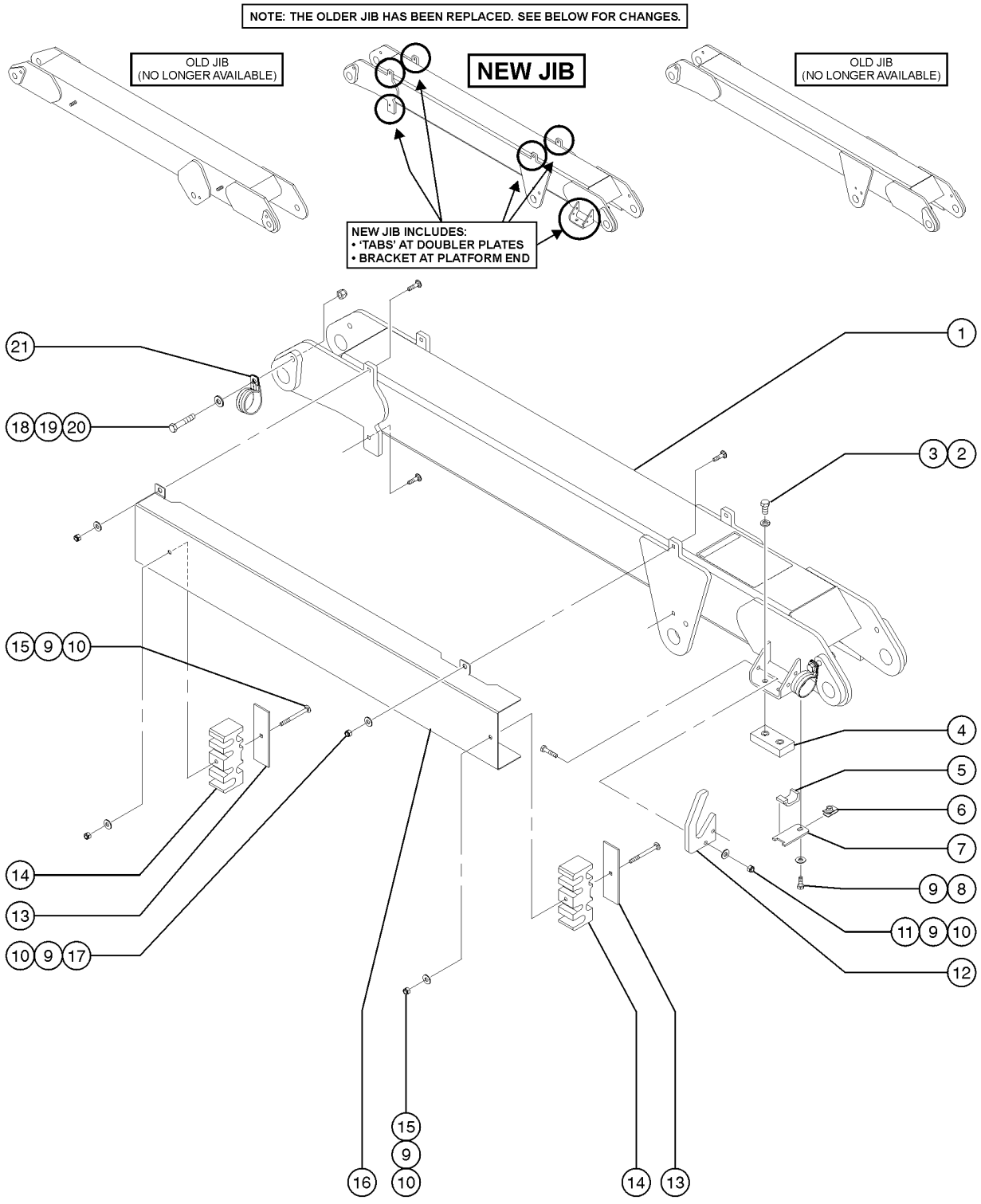
609.2 Hydraulic Hoses and Fittings - Boom Components (from SN 2705)



609.2 Hydraulic Hoses and Fittings - Boom Components (from SN 2705)

Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49116-8037GT	HOSE ASSY,1/4,45 FEM,STR FEM	1
2	48912GT	CONN,520120-4-6***	2
3	48907GT	ELBOW,45D,520320-4	4
4	49119-8178GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
5	48905GT	CONNECTOR, 520120-4	2
6	49116-8237GT	HOSE ASSY,1/4,45 FEM STR FEM	1
7	49120-107081GT	HOSE ASSEMBLY, 1/4"	2
8	48904GT	ELBOW, 90D, 520220-4	2
9	49118-100400GT	HOSE ASSEMBLY,1/4"	1
10	49184-2451GT	HOSE ASSEMBLY,1/4"	2
11	49118-100000GT	HOSE ASSEMBLY,1/4"	1
12	48919GT	TEE,BRANCH,520429-6	2
13	48911GT	ELBOW,90D,520220-4-6***	3
14	49122-14036GT	HOSE ASSEMBLY,1/4"	1
15	49122-13261GT	HOSE ASSEMBLY,1/4"	1
16	49117-15416GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
18	48937GT	ELBOW,45D,520320-8	2
19	49109-15854GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
20	75278-8229GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
21	48933GT	CONN,520120-8***	4
22	48938GT	FITTING,TEE,RUN,SWIVEL520432-8	1
23	48934GT	CONN,LONG,520122-8	2
24	48916GT	CONN, 520120-6	4
25	48917GT	CONN,LONG,520122-6	2
26	48892GT	ELBOW,SWIVEL 90D, 520221-6	2

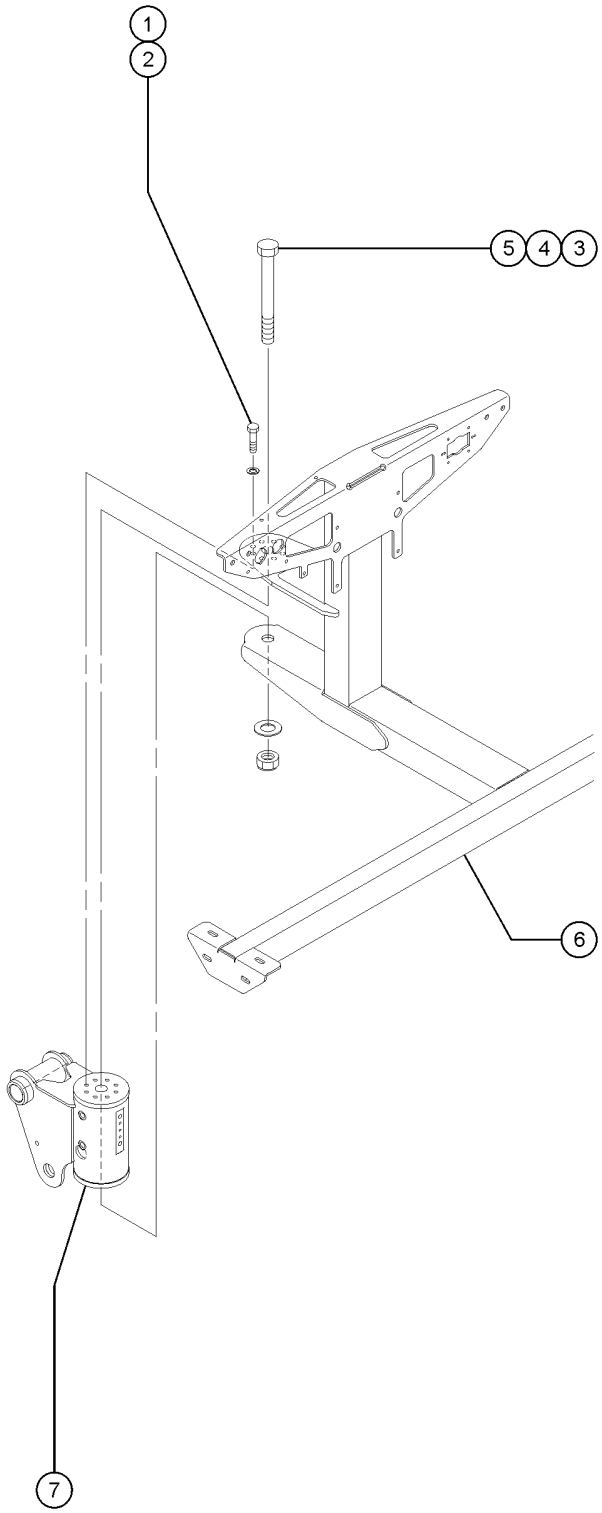
610.1 Jib Detail



610.1 Jib Detail

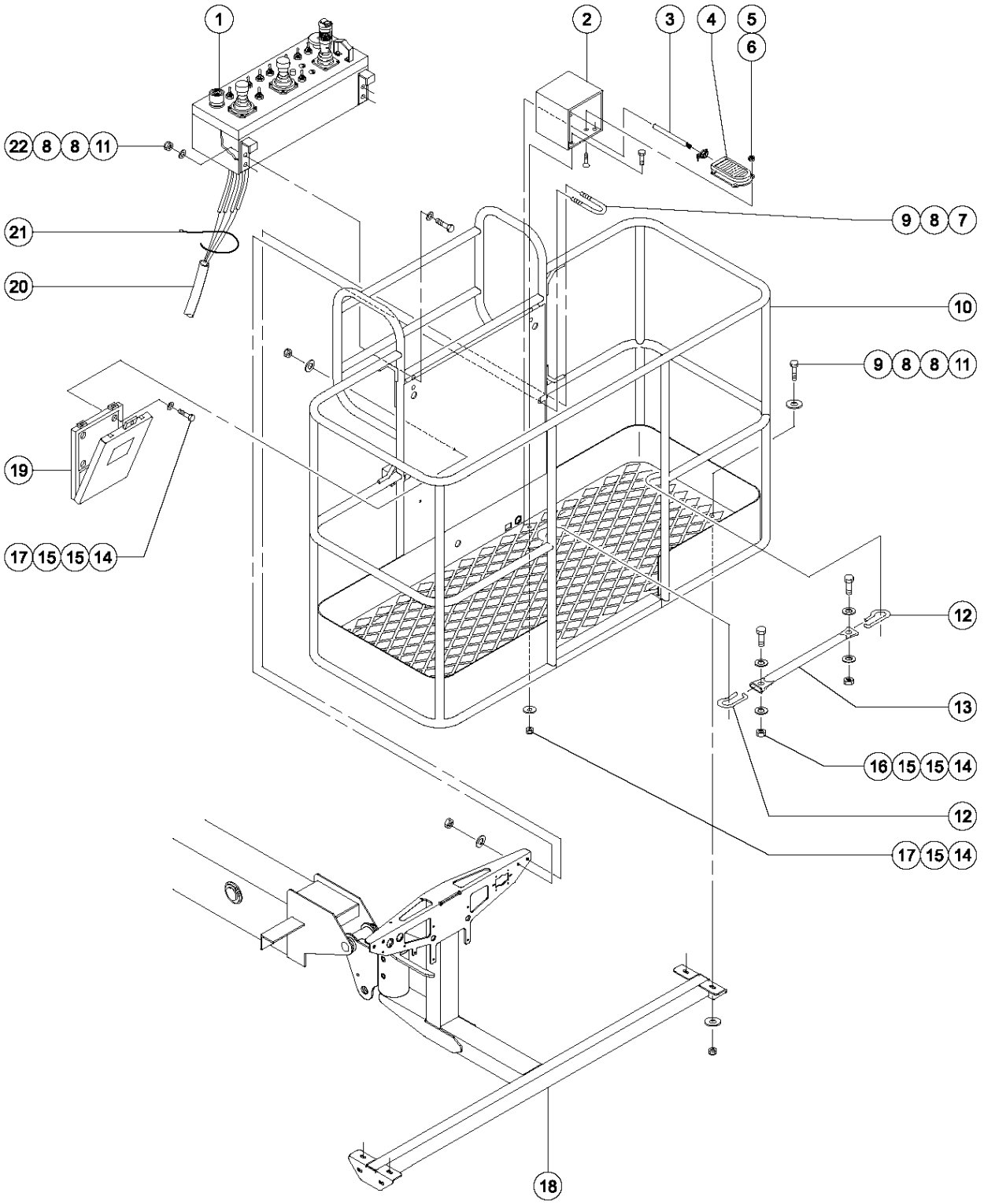
Item	Part No.	Description	Qty.
1	128513GT	SERVICE KIT,5FT JIB required for first time replacement (includes part number 128534)	
1-	128534GT	JIB BOOM ASSY W/WORD DECAL use ONLY if service kit 128513 has been installed on the machine	1
1-	128515GT	SERVICE KIT, 5FT JIB, ARCTIC Arctic option, required for first time replacement	
2	8255GT	SCREW,HHC,3/8-16 X .75	
3	6021GT	WASHER, LOCK, .375	
4	81640GT	WEAR PAD,3 X 1.5 X.625 W/NUTS	1
5	119542GT	CLAMP,TWO HOSE	1
6	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	1
7	119536PGT	BRACKET,HOSE CLAMP,PAINTED	1
8	6090GT	SCREW, HHC, 1/4-20 X .75	
9	6638GT	WASHER, FLAT, USS, 1/4"Y	
10	6091GT	NUT,NYLOCK,1/4-20	
11	8915GT	SCREW, HHC, 1/4-20 X 1.25	
12	128482GT	HOSE GUIDE, JIB	1
13	128483GT	BACKING PLATE, HOSE BLOCK, JIB	2
14	128501GT	CLAMP,JIB HOSE/CABLE	2
14-	128519GT	CLAMP,JIB HOSE/CABLE,ARCTIC (part of the Arctic hose option)	
15	128724GT	BOLT,CARRIAGE,1/4-20 X 2.75,G2	
16	128454PGT	COVER, JIB HOSES/CABLES	1
17	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	
18	5224GT	SCREW,HHC,3/8-16 X 2	
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	4828GT	NUT, NYLOCK, 3/8-16	
21	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	2

611.1 Platform Installation



Item	Part No.	Description	Qty.
1	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5 USE WITH ROTATOR PART NO 30947; to SN 2546	6
1-	6175GT	SCREW,HHC,3/8-16 X 1 USE WITH ROTATOR PART NO 77875, 73498, 73498, and 60505; from SN 2547	8
1-	49857GT	SCREW,HHC,3/8-16 X .88,GRD 8 USE WITH ROTATOR PART NO 94397	8
2	6033GT	WASHER,LOCK,0.5" USE WITH ROTATOR PART NO 30947; to SN 2546	6
2-	6097GT	WASHER, FLAT, USS, 3/8", Y from SN 2547	8
3	30286GT	SCREW,HHC,1-8 X 12IN GRD.2*** to SN 2546	1
3-	73928GT	SCREW,HHC,1-8 X 11,GRD 5*** from SN 2547	1
4	13775GT	WASHER,FLAT,1.063 X 2 X .134 to SN 2546	1
4-	38859GT	WASHER,FLAT,USS,1",Y from SN 2547	1
5	29764GT	NUT,NYLOCK,1-8	1
6		Ref. Platform Mount (refer to 701.1 or 701.2)	
7		Ref. Platform Rotator (refer to 607.1 or 607.2)	

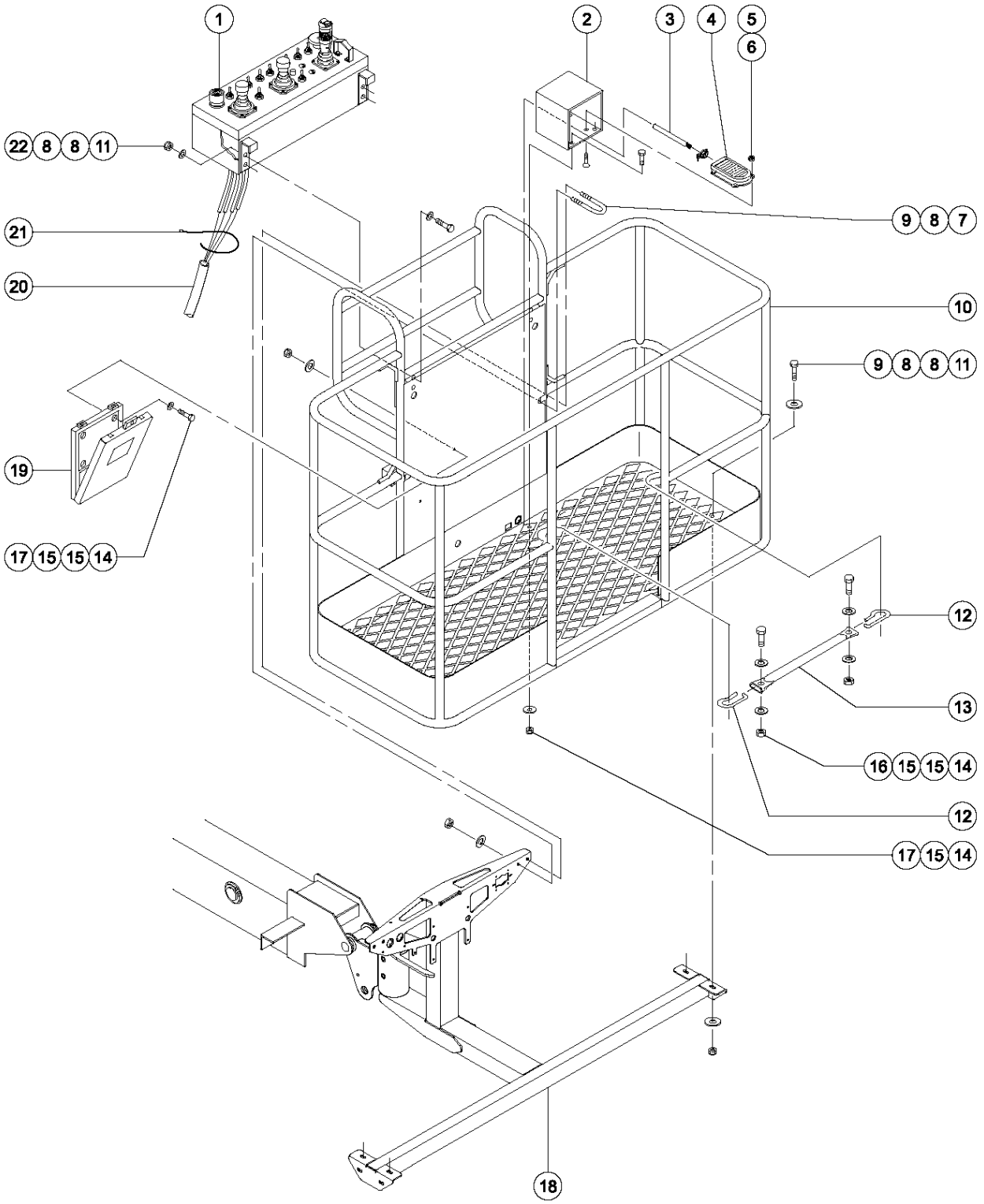
701.1 Platform Installation (to SN 2848)



701.1 Platform Installation (to SN 2848)

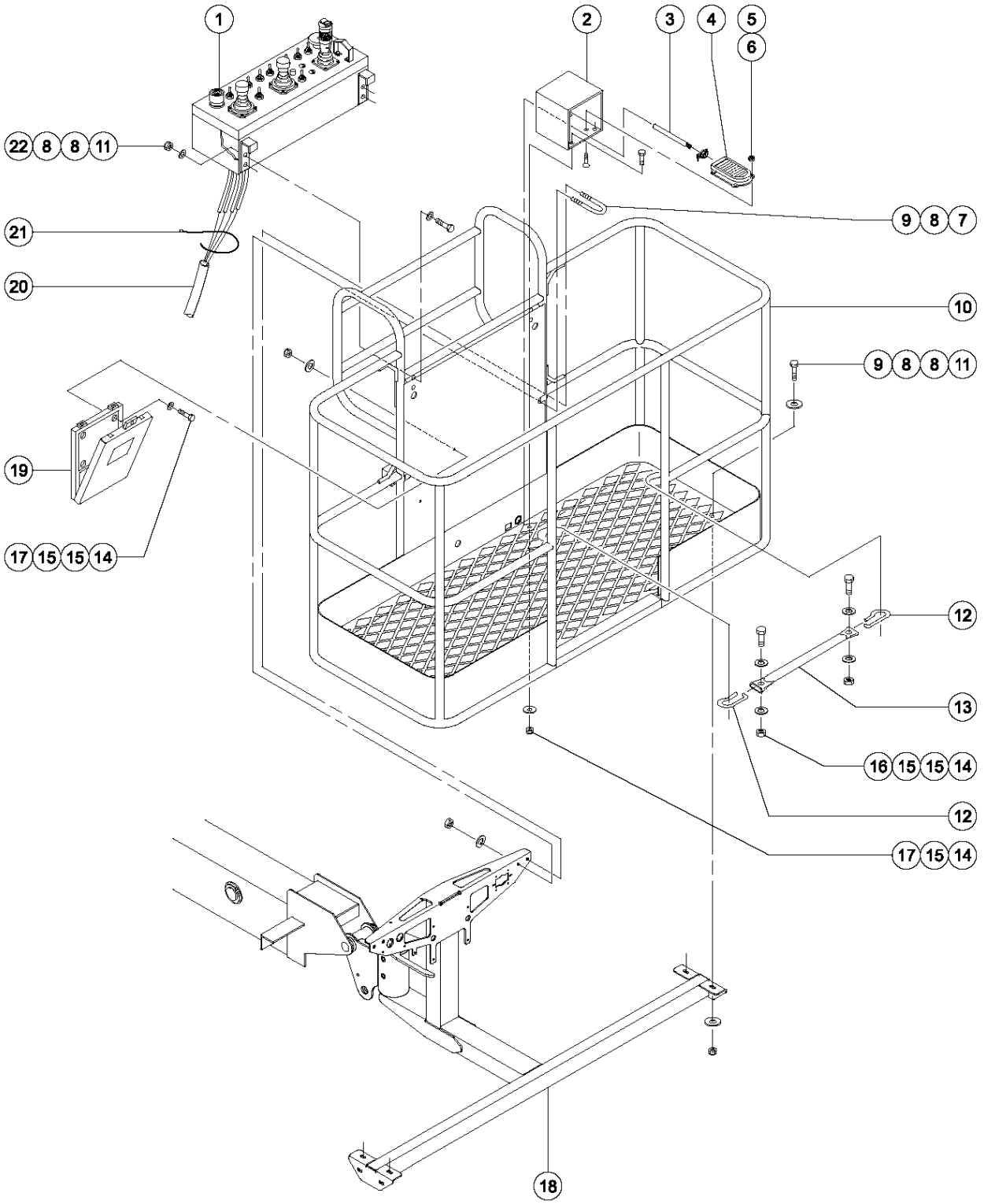
Item	Part No.	Description	Qty.
1		Ref. Platform Controls (refer to Figures 702.1 or 703.1)	
2	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL	1
3	43960GT	WIRE CABLE,16/4 CON.TPE JKT	159 inches
4	13482GT	FOOT SWITCH*** includes mounting fasteners	1
4-	20262GT	MICROSWITCH,13482 FOOTSWITCH	1
5	6178GT	NUT, NYLOCK, 10-32	2
6	17626GT	SCREW,FHM,10-32 X .75	2
7	6550GT	U-BOLT,3/8 X 1 YZ	2
8	5397GT	WASHER, FLAT, USS, 5/16-18	20
9	4828GT	NUT, NYLOCK, 3/8-16	8
10	1272303GT	ASSY,6FT PLAT DUAL LG,BLANK Complete 6' platform assembly (North America, Australia markets). Order decals separately. Refer to Section 100. includes index numbers 13 through 17 and 19	1
10	1278858GT	6' PLATFORM W/SIDE SWING GATE KIT CE Complete 6' platform assembly (CE market). Order decals separately. Refer to Section 100.	
10-	52081GT	PLAT.ASSY,EURO,6 FT,S40/60/80 includes index numbers 13 through 17 and 19	1
10-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
10	1272304GT	ASSY,8FT PLAT TRI LG,BLANK	
10-	52083GT	PLAT.ASSY,EURO,8 FT,S40/60 includes index numbers 13 through 17 and 19	1
10-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
11	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	8
12	12443GT	MIDRAIL GUIDE (HOOK)	2
13	102992GT	SLIDING MIDRAIL KIT,PTD includes tube and index numbers 12, 2 each of number 14, 4 each of index number 15, and index number 16	1
13-	139451GT	TUBE,SLIDING MIDRAIL,PAINTED	1
13-	20973GT	WIRE LOOM,3/8 POLY SLIT	1
13-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT	1
14	6091GT	NUT,NYLOCK,1/4-20	10
15	6638GT	WASHER, FLAT, USS, 1/4"Y	12
16	8915GT	SCREW, HHC, 1/4-20 X 1.25	2
17	6888GT	SCREW, HHC, 1/4-20 X 1	4

701.1 Platform Installation (to SN 2848)



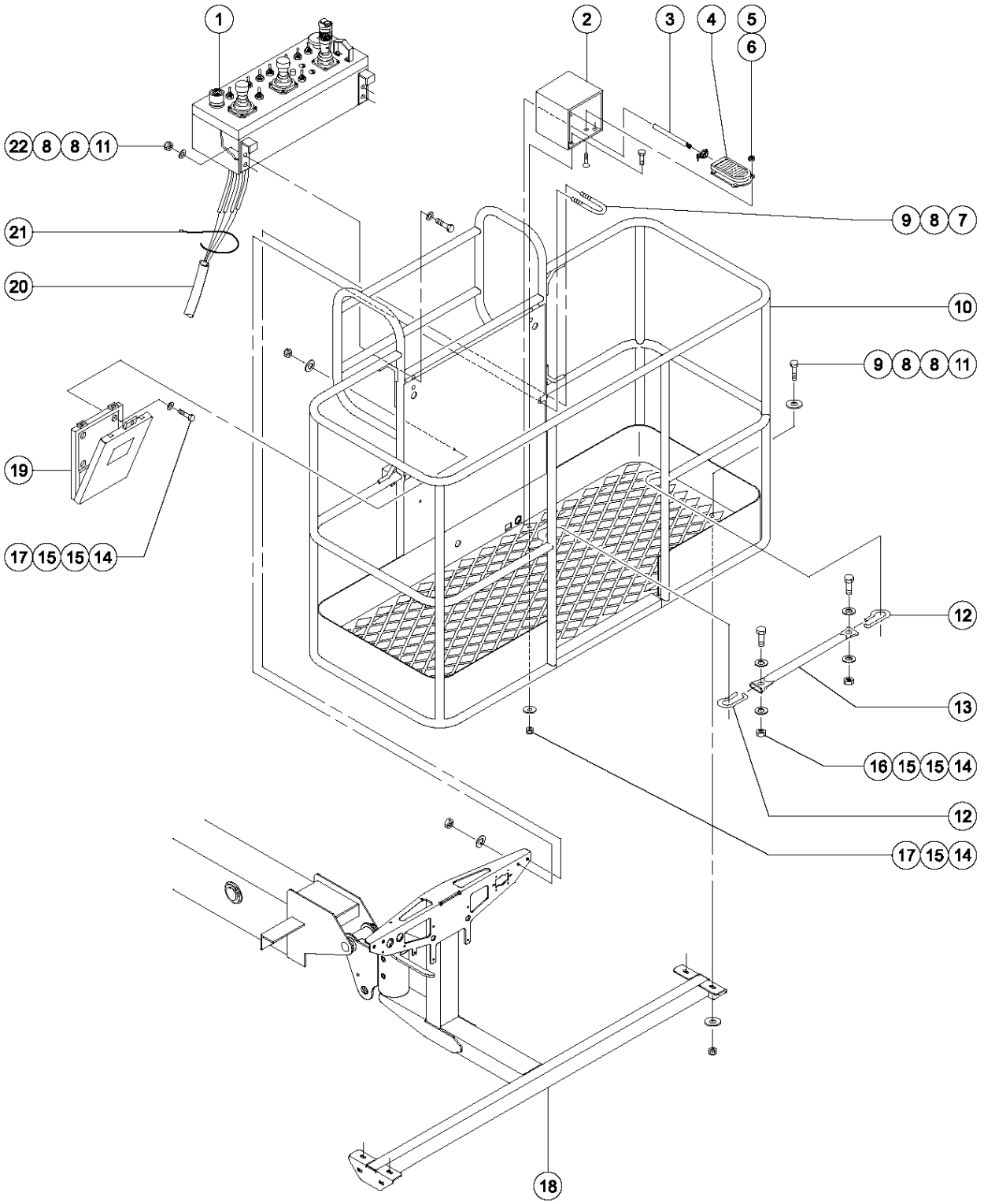
Item	*Part No.*	*Description*	*Qty.*
18	50144-SGT	PLATFORM SUPPORT WELDMENT*** to SN 2547	1
18-	60370-SGT	PLATFORM SUPPORT WELDMNT-SERV* from SN 2548	1
19	44743GT	MANUAL BOX W/DECALS***	1
20	28131GT	WIRE LOOM,1.25 DIA	66 inches
21	28443GT	CABLE TIE, 11.5" BLACK	8
22	7713GT	NUT, LP NYLOCK, 3/8-16	4

701.2 Platform Installation (to SN 2848)



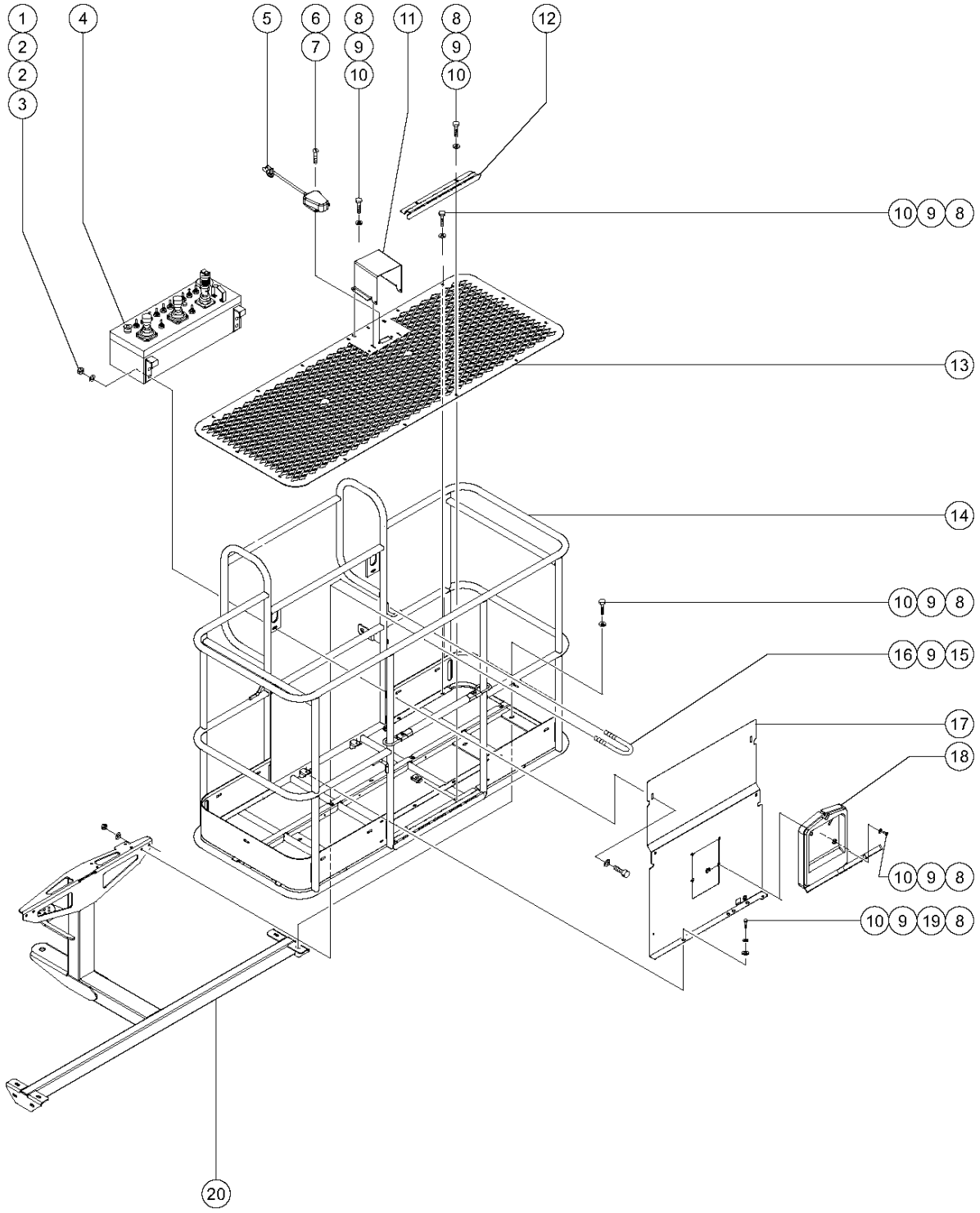
Item	Part No.	Description	Qty.
1		Ref. Platform Controls (refer to Figures 703.1 or 704.1)	
2	32710GT	GUARD,FOOTSWITCH,W/DECAL STEEL	1
3	43960GT	WIRE CABLE,16/4 CON.TPE JKT	159 inches
4	13482GT	FOOT SWITCH*** includes mounting fasteners	1
4-	20262GT	MICROSWITCH,13482 FOOTSWITCH	1
5	6178GT	NUT, NYLOCK, 10-32	2
6	17626GT	SCREW,FHM,10-32 X .75	2
7	6550GT	U-BOLT,3/8 X 1 YZ	2
8	5397GT	WASHER, FLAT, USS, 5/16-18	20
9	4828GT	NUT, NYLOCK, 3/8-16	8
10	1272303GT	ASSY,6FT PLAT DUAL LG,BLANK Complete 6' platform assembly (North America, Australia markets). Order decals separately. Refer to Section 100. includes index numbers 13 through 17 and 19	1
10	1278858GT	6' PLATFORM W/SIDE SWING GATE KIT CE Complete 6' platform assembly (CE market). Order decals separately. Refer to Section 100.	
10-	52081GT	PLAT.ASSY,EURO,6 FT,S40/60/80 includes index numbers 13 through 17 and 19	1
10-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
10-	1272304GT	ASSY,8FT PLAT TRI LG,BLANK	
10-	52083GT	PLAT.ASSY,EURO,8 FT,S40/60 includes index numbers 13 through 17 and 19	1
10-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
11	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	8
12	12443GT	MIDRAIL GUIDE (HOOK)	2
13	102992GT	SLIDING MIDRAIL KIT,PTD includes tube and index numbers 12, 2 each of number 14, 4 each of index number 15, and index number 16	1
13-	139451GT	TUBE,SLIDING MIDRAIL,PAINTED	1
13-	20973GT	WIRE LOOM,3/8 POLY SLIT	1
13-	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT	1
14	6091GT	NUT,NYLOCK,1/4-20	10
15	6638GT	WASHER, FLAT, USS, 1/4"Y	12
16	8915GT	SCREW, HHC, 1/4-20 X 1.25	2
17	6888GT	SCREW, HHC, 1/4-20 X 1	4

701.2 Platform Installation (to SN 2848)



Item	*Part No.*	*Description*	*Qty.*
18	50144-SGT	PLATFORM SUPPORT WELDMENT*** ..... to SN 2547	1
18-	60370-SGT	PLATFORM SUPPORT WELDMNT-SERV* ..... from SN 2548 to SN 2848	1
19	44743GT	MANUAL BOX W/DECALS***	1
20	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100')	66 inches
21	28443GT	CABLE TIE, 11.5" BLACK	8
22	7713GT	NUT, LP NYLOCK, 3/8-16	4

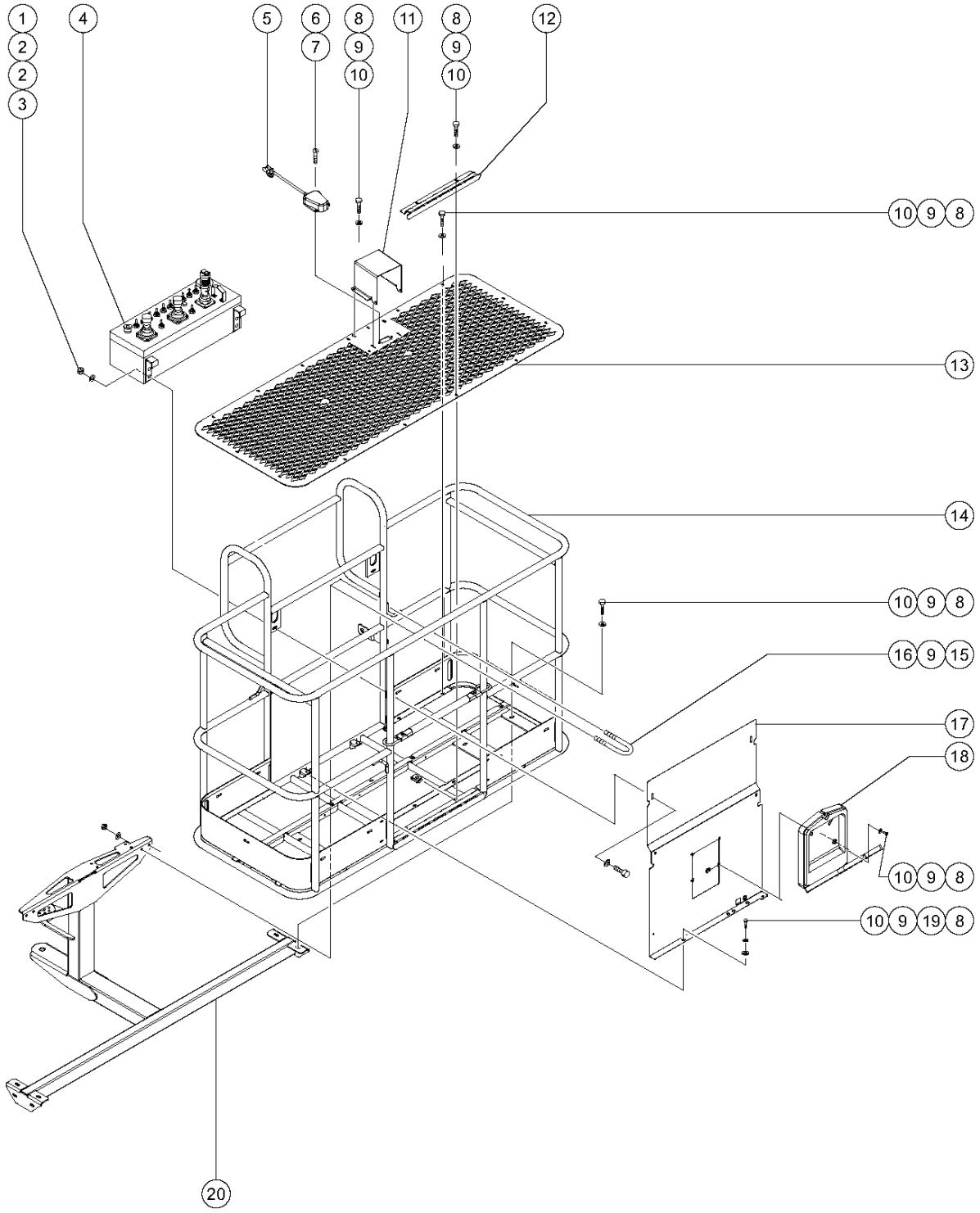
701.3 Platform Installation (from SN 2849)



701.3 Platform Installation (from SN 2849)

Item	Part No.	Description	Qty.
1	7713GT	NUT, LP NYLOCK, 3/8-16	4
2	5397GT	WASHER, FLAT, USS, 5/16-18	20
3	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	8
4		Ref. Platform Controls (refer to Figures 703.1 or 704.1)	8
5	228466GT	KIT, FOOTSWITCH, S40/S80 Pervious foot switch is no longer available. Order kit 228466 for first time replacement (kit includes foot switch 227516)	1
5-	227516GT	ASSEMBLY,FOOT SWITCH Part of kit 228466 (the kit is required for first time replacement of previous foot switch)	
5-	33576GT	CONN,SQZ,1/2NPT,.170-.450	
6	73587GT	SCREW,PHIL,10-24 X .75	2
7	73575GT	SPRING CLIP,10-24,.025-.125X.468,ZAG	2
8	6090GT	SCREW, HHC, 1/4-20 X .75	4
9	6638GT	WASHER, FLAT, USS, 1/4"Y	8
10	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
11	73931GT	GUARD,FOOTSWITCH,W/DECAL ALUM	1
12	73610PGT	STEP PLATFORM ENTRY PAINTED***	1
13	73477PGT	FLOORING, 6'FT PLATFORM	1
13-	73478PGT	FLOORING, 8 FT PLATFORM***	1
14	1272303GT	ASSY,6FT PLAT DUAL LG,BLANK Complete 6' platform assembly (North America, Australia markets). Order decals separately. Refer to Section 100. includes index numbers 1 through 3, 5 through 13, and 16 through 19	1
	1278858GT	6' PLATFORM W/SIDE SWING GATE KIT CE Complete 6' platform assembly (CE market). Order decals separately. Refer to Section 100.	
14A-	52081GT	PLAT.ASSY,EURO,6 FT,S40/60/80 includes index numbers 1 through 3, 5 through 13, and 16 through 19	1
14B-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
14C-	1272304GT	ASSY,8FT PLAT TRI LG,BLANK	
14D-	52083GT	PLAT.ASSY,EURO,8 FT,S40/60 includes index numbers 1 through 3, 5 through 13, and 16 through 19	1
14E-	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
14F-	229768GT	GROMMET,RUBBER,1.0X0.094X1.375	1
14G-	102992GT	SLIDING MIDRAIL KIT,PTD	1
14H-	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	1
15	6550GT	U-BOLT,3/8 X 1 YZ	2

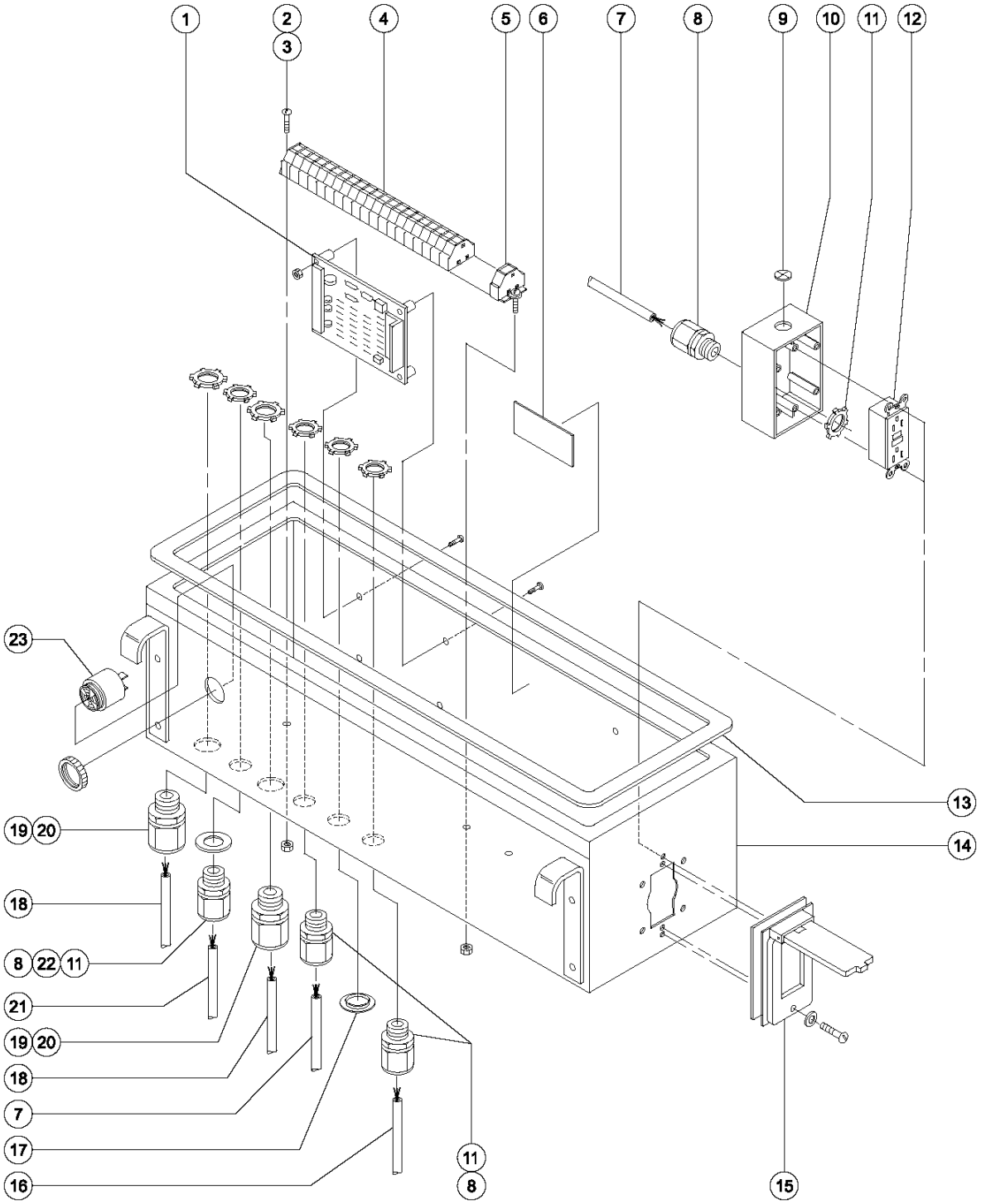
701.3 Platform Installation (from SN 2849)



701.3 Platform Installation (from SN 2849)

Item	*Part No.*	*Description*	*Qty.*
16	4828GT	NUT, NYLOCK, 3/8-16	8
17	73574-SGT	DECAL PLATE ASSEMBLY	1
18	44743GT	MANUAL BOX W/DECALS*** USA/Canada/Australia	1
18B	24514GT	BOX, INSTRUCTION STORAGE** Europe/Asia/South America (decal required; refer to Section100)	
19	6356GT	WASHER,LOCK,.25	3
20	60370-SGT	PLATFORM SUPPORT WELDMNT-SERV*	1

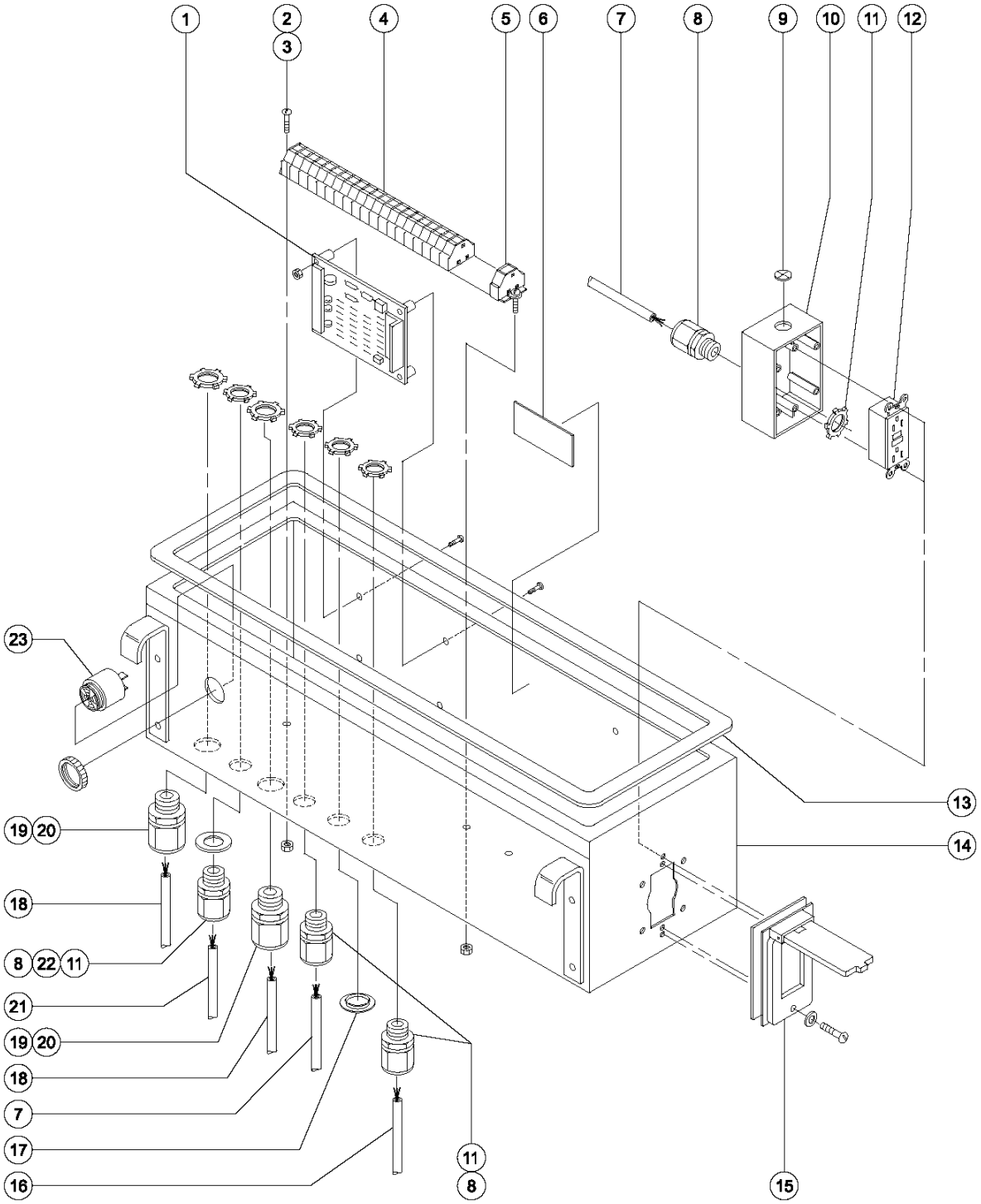
702.1 Platform Controls - View 1



702.1 Platform Controls - View 1

Item	Part No.	Description	Qty.
	33996GT	SCREWDRIVER,TERMINAL BLOCK	
1		LIMITER PC BOARD, HORSEPOWER (includes mounting fasteners), no longer available	1
1-	39591GT	SPACER,NYLON,.375	
2	45546GT	SCREW,RHM,6-32 X .5	2
3	12344GT	NUT,NYLOCK,6-32	2
4	32637GT	TERMINAL BLOCK,WAGO	43
4-	32638GT	TERMINAL BLOCK,WAGO	2
5	32639GT	END PLATE,WAGO	1
6	30997GT	CORROSION INHIBITOR,FOAM	1
7	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL	1200 inches
8	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	4
9	8843GT	COVER,KNOCK OUT HOLE,4 PER BAG	1
10	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
11	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	4
12	13585GT	OUTLET, 110V	1
12	35003GT	RECEPTACLE, BRITISH, 110V	1
13	27115GT	GASKET,UPPER CONTROL BOX	1
14	58003-SGT	PLAT CNTL BOX,W/DECAL,S60/80 includes index numbers 6 and13	1
15	45437GT	COVER,GFCI,WEATHERPROOF includes mounting fasteners	1
15-	33629GT	PLATE,UK POWER TO PLATFORM	1
15-	33724GT	KIT,GASKET,UK POWER TO PLAT	1
16	43960GT	WIRE CABLE,16/4 CON.TPE JKT	1200 inches
17	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
18	48533GT	WIRE CABLE,18GA/19 CON.BNDREX S-80	1225 inches
19	12960GT	CABLE SQUEEZE CONN.,XTRA LRG	2

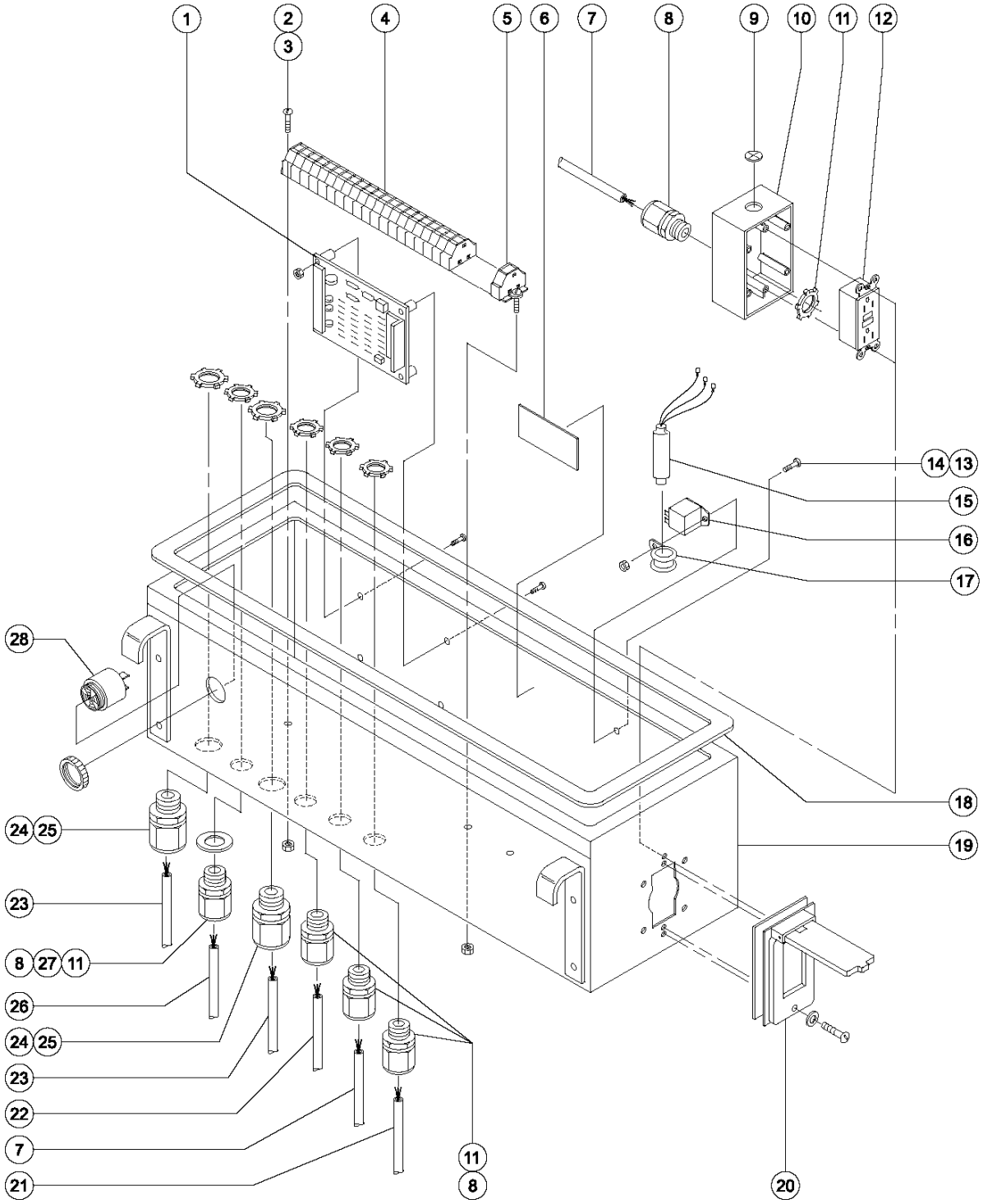
702.1 Platform Controls - View 1



702.1 Platform Controls - View 1

Item	*Part No.*	*Description*	*Qty.*
20	14041GT	LOCKNUT,ELECTRIC,3/4"	2
21	43955GT	WIRE CABLE,12/3 CON.TPE JKT	1200 inches
22	34769GT	WASHER,REDUCING 3/4" TO 1/2"	1
23	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
23-	72326GT	NUT - PLASTIC, RING FOR ALARMS sold separately	1

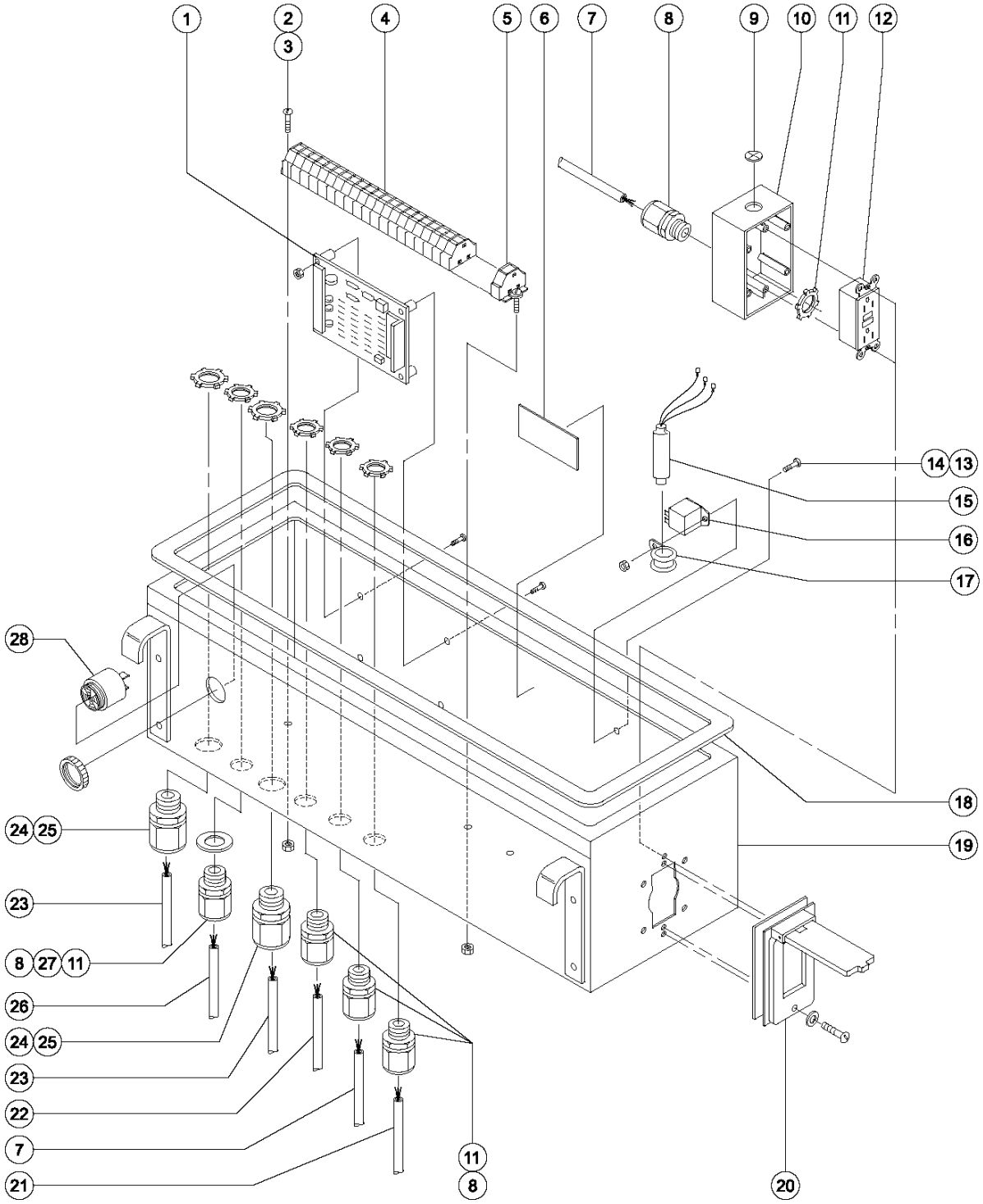
703.1 Platform Controls - View 1



703.1 Platform Controls - View 1

Item	Part No.	Description	Qty.
	33996GT	SCREWDRIVER,TERMINAL BLOCK	
1		LIMITER PC BOARD, HORSEPOWER (includes mounting fasteners), no longer available	1
1-	39591GT	SPACER,NYLON,.375	
2	45546GT	SCREW,RHM,6-32 X .5	2
3	12344GT	NUT,NYLOCK,6-32	2
4	32637GT	TERMINAL BLOCK,WAGO	43
4-	32638GT	TERMINAL BLOCK,WAGO	2
5	32639GT	END PLATE,WAGO	1
6	30997GT	CORROSION INHIBITOR,FOAM	1
7	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL	1308 inches
8	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	5
9	8843GT	COVER,KNOCK OUT HOLE,4 PER BAG	1
10	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
11	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	5
12	13585GT	OUTLET, 110V	1
12-	35003GT	RECEPTACLE, BRITISH, 110V	1
13	6178GT	NUT, NYLOCK, 10-32	1
14	5094GT	SCREW,RHM,10-32 X .5	1
15	43181GT	CAPACITOR,TIME DELAY	1
16	19274GT	RELAY,SPDT,12V(AUTO)**	1
17	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
18	27115GT	GASKET,UPPER CONTROL BOX	1
19	58003-SGT	PLAT CNTL BOX,W/DECAL,S60/80 includes index numbers 6 and 18	1
20	45437GT	COVER,GFCI,WEATHERPROOF includes gasket and mounting fasteners	1
20-	33629GT	PLATE,UK POWER TO PLATFORM	1
20-	33724GT	KIT,GASKET,UK POWER TO PLAT	1

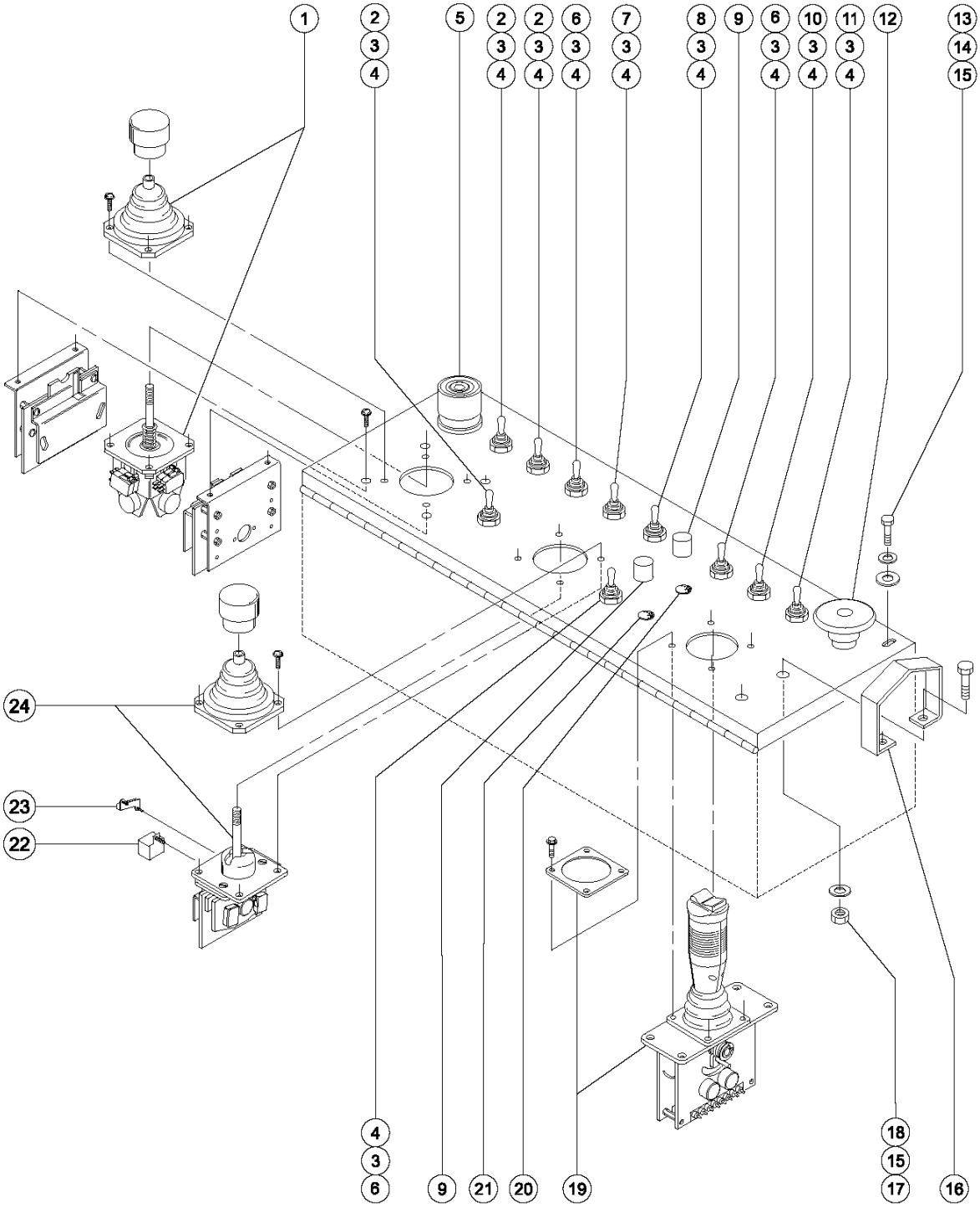
703.1 Platform Controls - View 1



703.1 Platform Controls - View 1

Item	Part No.	Description	Qty.
21	43960GT	WIRE CABLE,16/4 CON.TPE JKT	159 inches
22	43960GT	WIRE CABLE,16/4 CON.TPE JKT	185 inches
23	48533GT	WIRE CABLE,18GA/19 CON.BNDREX S-85	1296 inches
24	12960GT	CABLE SQUEEZE CONN.,XTRA LRG	2
25	14041GT	LOCKNUT,ELECTRIC,3/4"	2
26	43955GT	WIRE CABLE,12/3 CON.TPE JKT	1296 inches
27	34769GT	WASHER,REDUCING 3/4" TO 1/2"	1
28	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
28-	72326GT	NUT - PLASTIC, RING FOR ALARMS sold separately	1

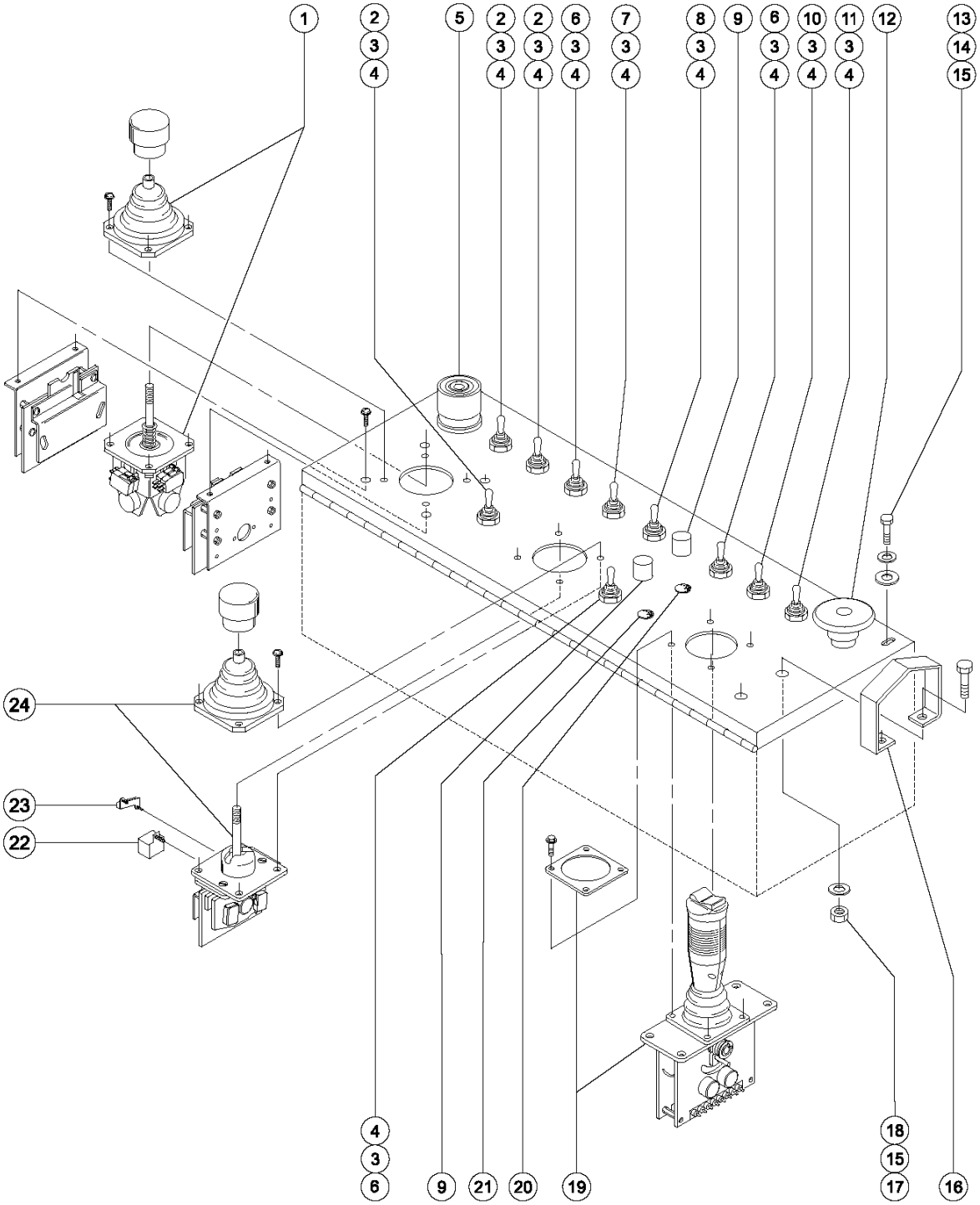
704.1 Platform Controls - View 2



704.1 Platform Controls - View 2

Item	Part No.	Description	Qty.
	58003-SGT	PLAT CNTL BOX,W/DECAL,S60/80	
1	40613GT	JOYSTICK,DUAL AXIS CONTROLL.** OEM joystick	1
1-	40613HGT	JOYSTICK,DUAL AXIS CONTROLL.** aftermarket joystick replacement	
2	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM includes mounting fasteners	3
3	27246GT	BOOT,TOGGLE SWITCH,SHORT*	10
4	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	10
5	122513GT	KIT,HORN SVC BB&SM BOOM	1
5-	66813GT	BUTTON,PUSH,BLACK W/SEAL***	
5-	66815GT	BASE, W/1 N.O. CONTACTS***	
6	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners	3
7	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes mounting fasteners	1
8	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners	1
9	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG Models, (Complete LED light assembly)	1
9-			1
9-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	1
9-	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners; Cold Start Option, Diesel Models	1
10	128206GT	SWITCH TOGGLE ASSY DPDT 3P MNT includes mounting fasteners	1
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT includes mounting fasteners; Gasoline/LPG Models	1
11-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	1
12	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
12-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
12-	66818GT	CONTACT,NC includes 2 each N.C. contacts	1
12-	66821GT	BASE,WITHOUT CONTACTS	1
12-	146478GT	BOOT(BELLOWS),E-STOP,BLACK	
13	6090GT	SCREW, HHC, 1/4-20 X .75	3
14	6356GT	WASHER,LOCK,.25	3
15	6638GT	WASHER, FLAT, USS, 1/4"Y	5
16	27033P-SGT	SUPPORT,WRIST,PAINTED-BLUE	1

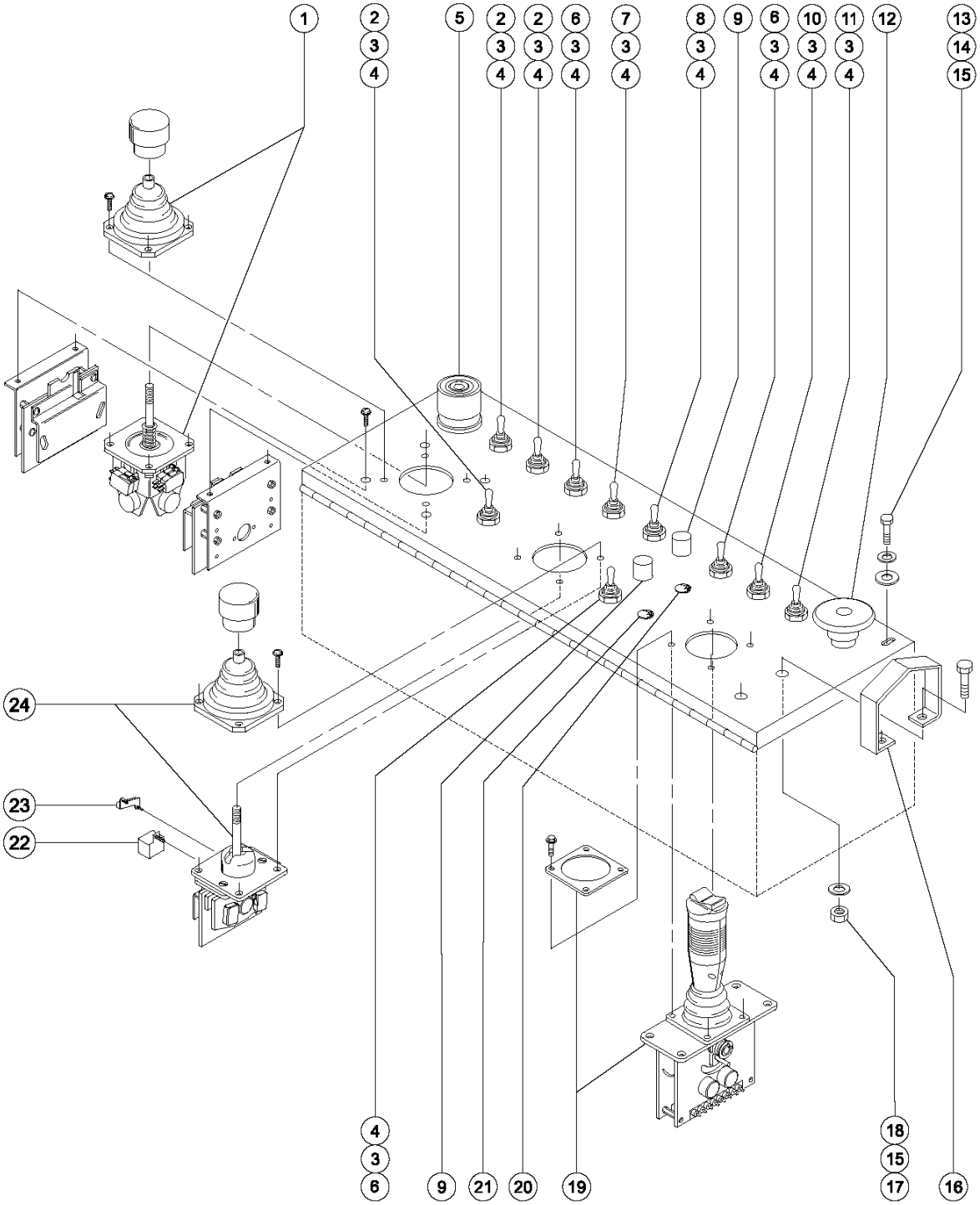
704.1 Platform Controls - View 2



704.1 Platform Controls - View 2

Item	Part No.	Description	Qty.
17	8914GT	SCREW, HHC, 1/4-20 X .625	2
18	6889GT	NUT,LP NYLOCK,1/4-20	2
19	20424GT	JOYSTICK CONTROLLER,12V OEM joystick	1
19-	20424HGT	JOYSTICK CONTROLLER,12V aftermarket joystick replacement	
20	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
20-	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners; CE Models	1
21	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
21-	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners	1
23	27116GT	RESISTOR,100 OHM,25 WATT 4WD Models	1
23-	34798GT	RESISTOR,150 OHM,25 WATT 2WD Models	1
24	24495GT	JOYSTICK,SINGLE AXIS PROPORT OEM joystick	1
24-	24495HGT	JOYSTICK,SINGLE AXIS PROPORT aftermarket joystick replacement	

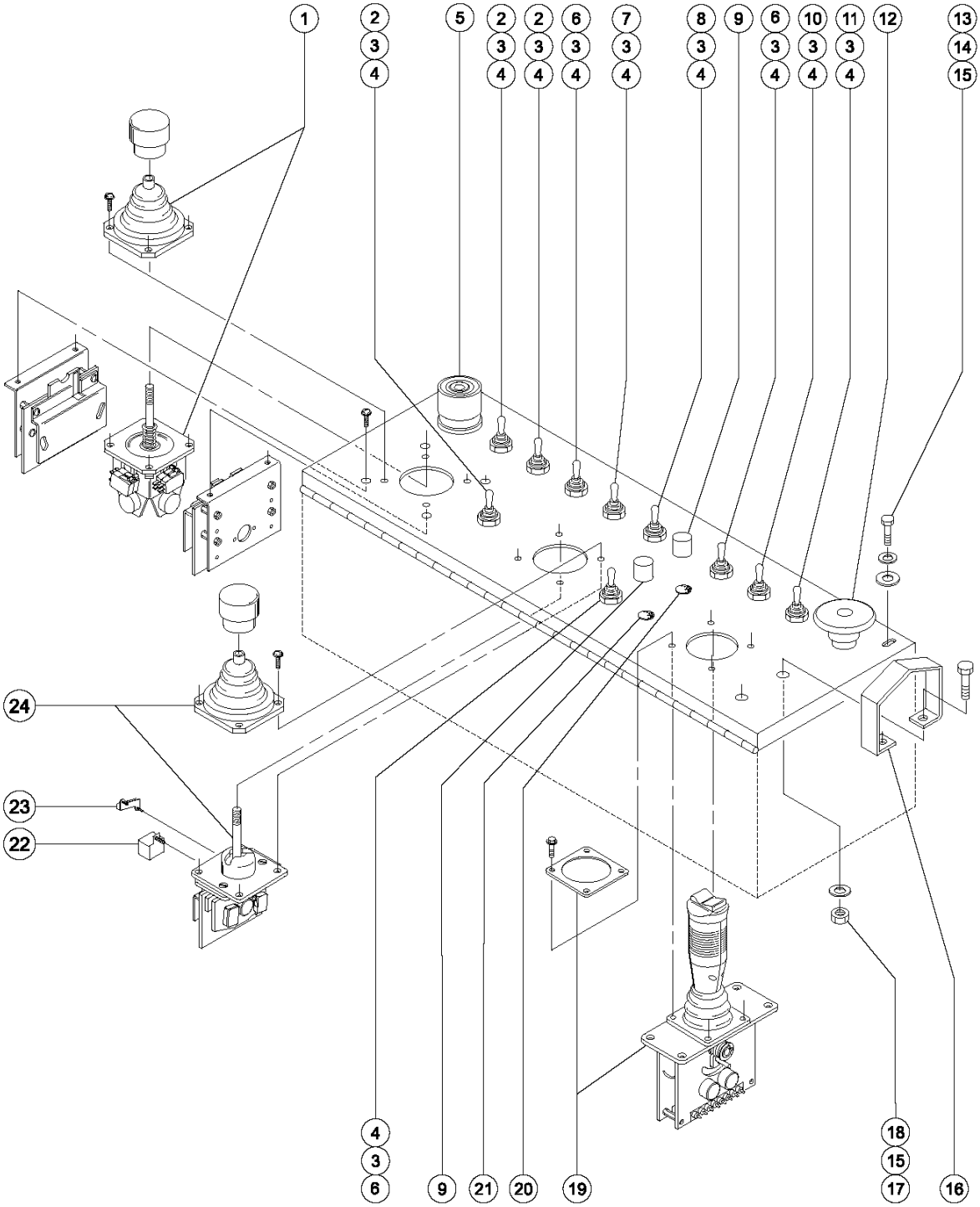
704.2 Platform Controls - View 2



704.2 Platform Controls - View 2

Item	Part No.	Description	Qty.
	58003-SGT	PLAT CNTL BOX,W/DECAL,S60/80	
1	40613GT	JOYSTICK,DUAL AXIS CONTROLL.** OEM joystick	1
1-	40613HGT	JOYSTICK,DUAL AXIS CONTROLL.** aftermarket joystick replacement	
2	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM includes mounting fasteners	3
3	27246GT	BOOT,TOGGLE SWITCH,SHORT*	10
4	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	10
5	122513GT	KIT,HORN SVC BB&SM BOOM	1
5-	66813GT	BUTTON,PUSH,BLACK W/SEAL***	
5-	66815GT	BASE, W/1 N.O. CONTACTS***	
6	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners	3
7	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes mounting fasteners	1
8	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners	1
9	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG Models, (Complete LED light assembly)	1
9-	824879GT	LIGHT,LED IND. RED 12V NH	1
9-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	1
9-	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners; Cold Start Option, Diesel Models	1
10	128206GT	SWITCH TOGGLE ASSY DPDT 3P MNT includes mounting fasteners	1
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT includes mounting fasteners; Gasoline/LPG Models	1
11-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	1
12	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
12-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
12-	66818GT	CONTACT,NC includes 1 each N.C. contacts	1
12-	66821GT	BASE,WITHOUT CONTACTS	1
12-	146478GT	BOOT(BELLOWS),E-STOP,BLACK	
13	6090GT	SCREW, HHC, 1/4-20 X .75	3
14	6356GT	WASHER,LOCK,.25	3
15	6638GT	WASHER, FLAT, USS, 1/4"Y	5
16	27033P-SGT	SUPPORT,WRIST,PAINTED-BLUE	1

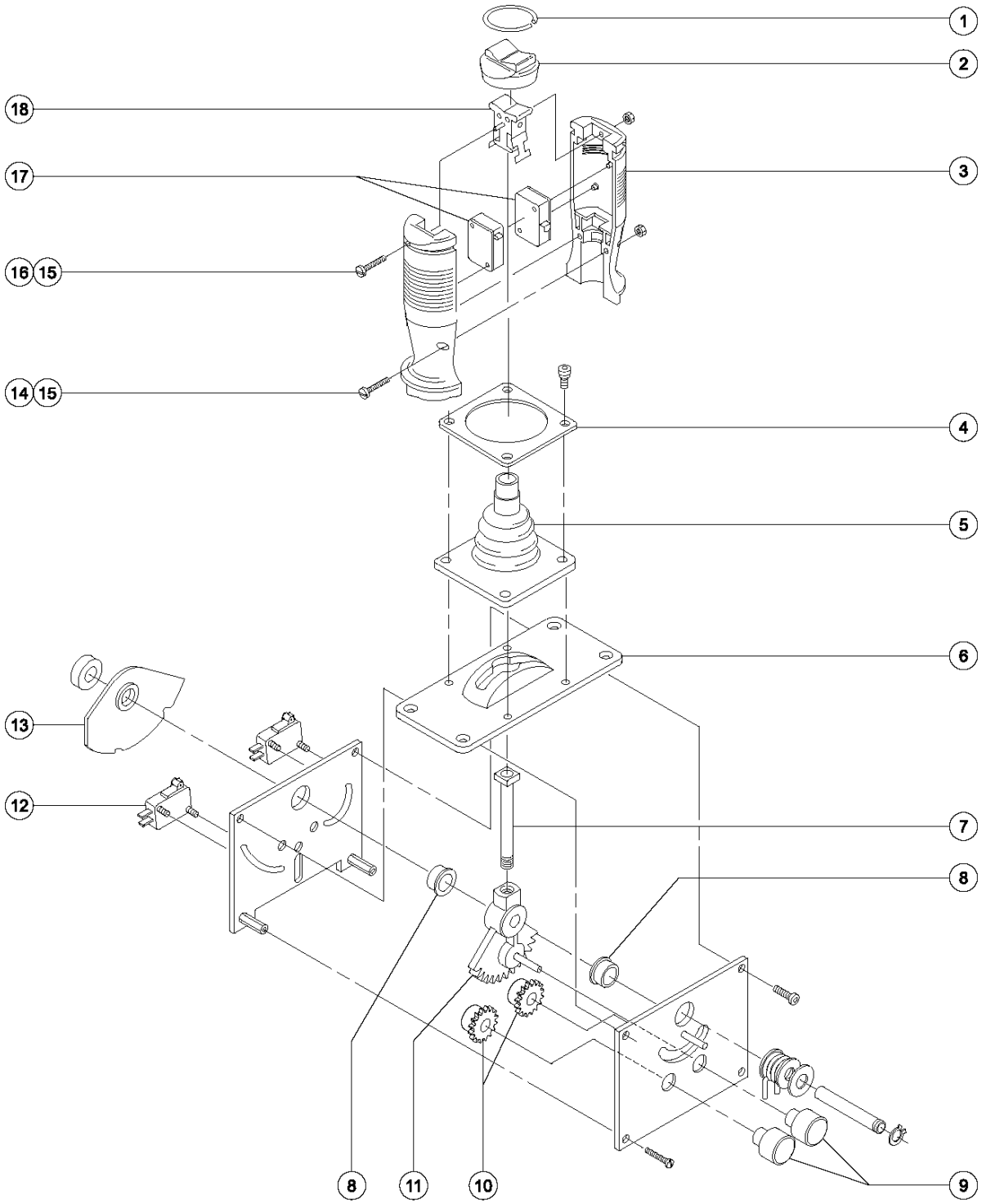
704.2 Platform Controls - View 2



704.2 Platform Controls - View 2

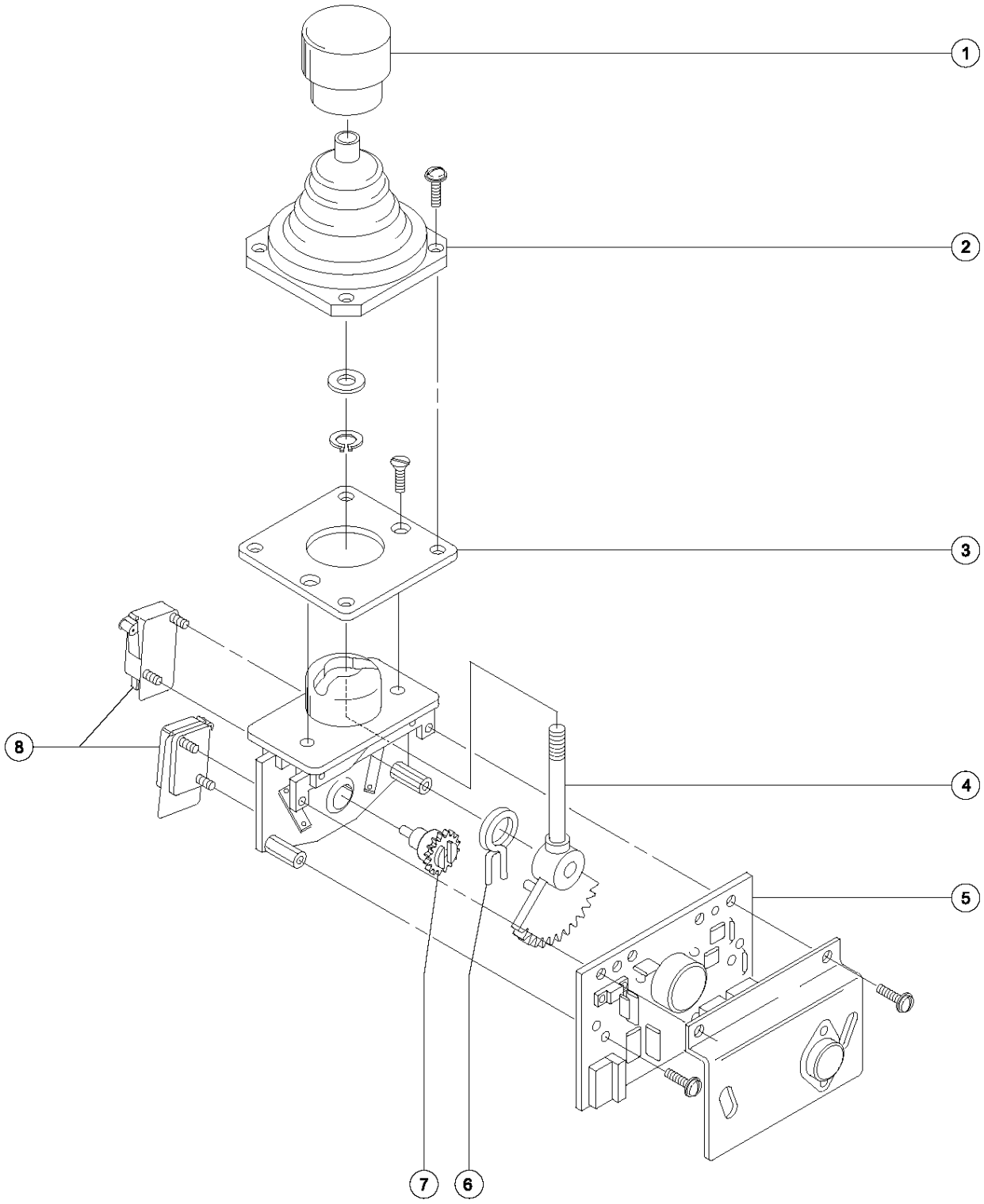
Item	Part No.	Description	Qty.
17	8914GT	SCREW, HHC, 1/4-20 X .625	2
18	6889GT	NUT,LP NYLOCK,1/4-20	2
19	20424GT	JOYSTICK CONTROLLER,12V OEM joystick	1
19-	20424HGT	JOYSTICK CONTROLLER,12V aftermarket joystick replacement	
20	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
20	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners; CE Models	1
21	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
21-	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners	1
22	19274GT	RELAY,SPDT,12V(AUTO)**	1
23	27116GT	RESISTOR,100 OHM,25 WATT 4WD Models	1
23-	34798GT	RESISTOR,150 OHM,25 WATT 2WD Models	1
24	24495GT	JOYSTICK,SINGLE AXIS PROPORT OEM joystick	1
24-	24495HGT	JOYSTICK,SINGLE AXIS PROPORT aftermarket joystick replacement	

705.1 Joystick Controller - Drive/Steer Functions



Item	Part No.	Description	Qty.
	20424GT	JOYSTICK CONTROLLER,12V OEM joystick, contains all shown service parts	
	20424HGT	JOYSTICK CONTROLLER,12V aftermarket joystick replacement	
1	25882GT	LOCK RING	1
2	25881GT	BOOT,THUMB 20424 JOYSTICK	1
3	25883GT	HANDLE HALF,JOYSTICK (20424)	2
3-	72245GT	KIT, JOYSTICK HANDLE includes handles, rocker and nut/bolt kit	
3-	49887GT	NUT & BOLT KIT (25883)	1
4	44221GT	COLLAR, BOOT RETAINING	1
5	22368GT	BOOT (20424)	1
6	25884GT	COVER CASTING,20424 CONTROLLER	1
7	44211GT	SHAFT,W/NF STYL BLOCK,(20424)*	1
8	52778GT	BEARING,FLANGED,.376ID (20424)	2
9	22364GT	POTENTIOMETER (20424)	2
10	22367GT	SPUR GEAR (20424)	2
11	44212GT	GEAR CASTING,20424 CONTROLLER*	1
12	19712GT	MICROSWITCH,V3L-139-D8	2
13	22366GT	CAM ASSY (20424)	1
14	52776GT	SCREW,HEX,M4X0.7X10MM (20424)*	2
15	52777GT	NUT,HEX,M4 X 0.7 MM (20424)***	3
16	52775GT	SCREW,HEX,M4X0.7X30MM (20424)*	1
17	23680GT	SWITCH,HANDLE,20424	2
18	23688GT	ROCKER ASSY,HANDLE (20424)***	1

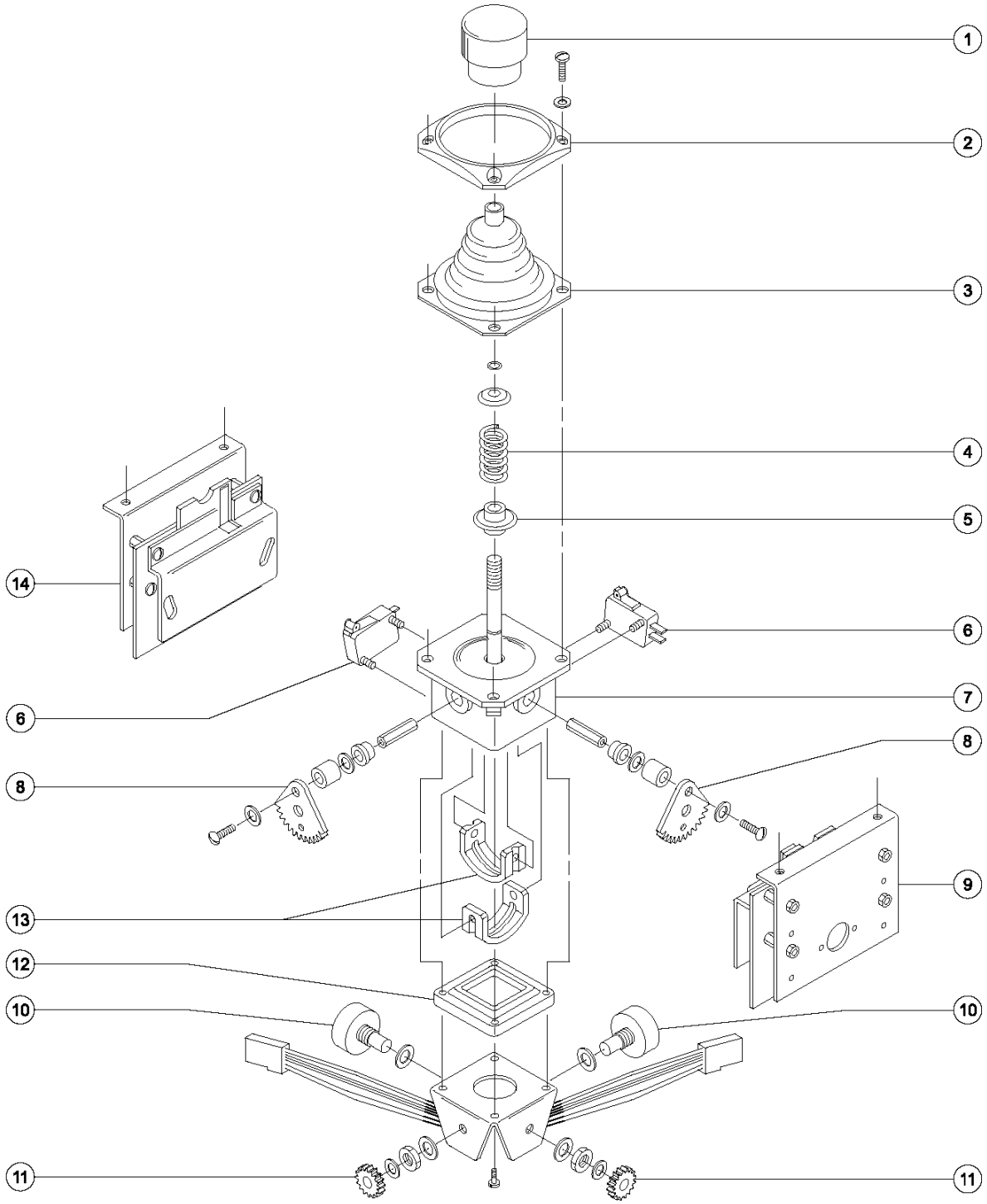
706.1 Joystick Controller - Boom Extend/Retract Functions



706.1 Joystick Controller - Boom Extend/Retract Functions

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

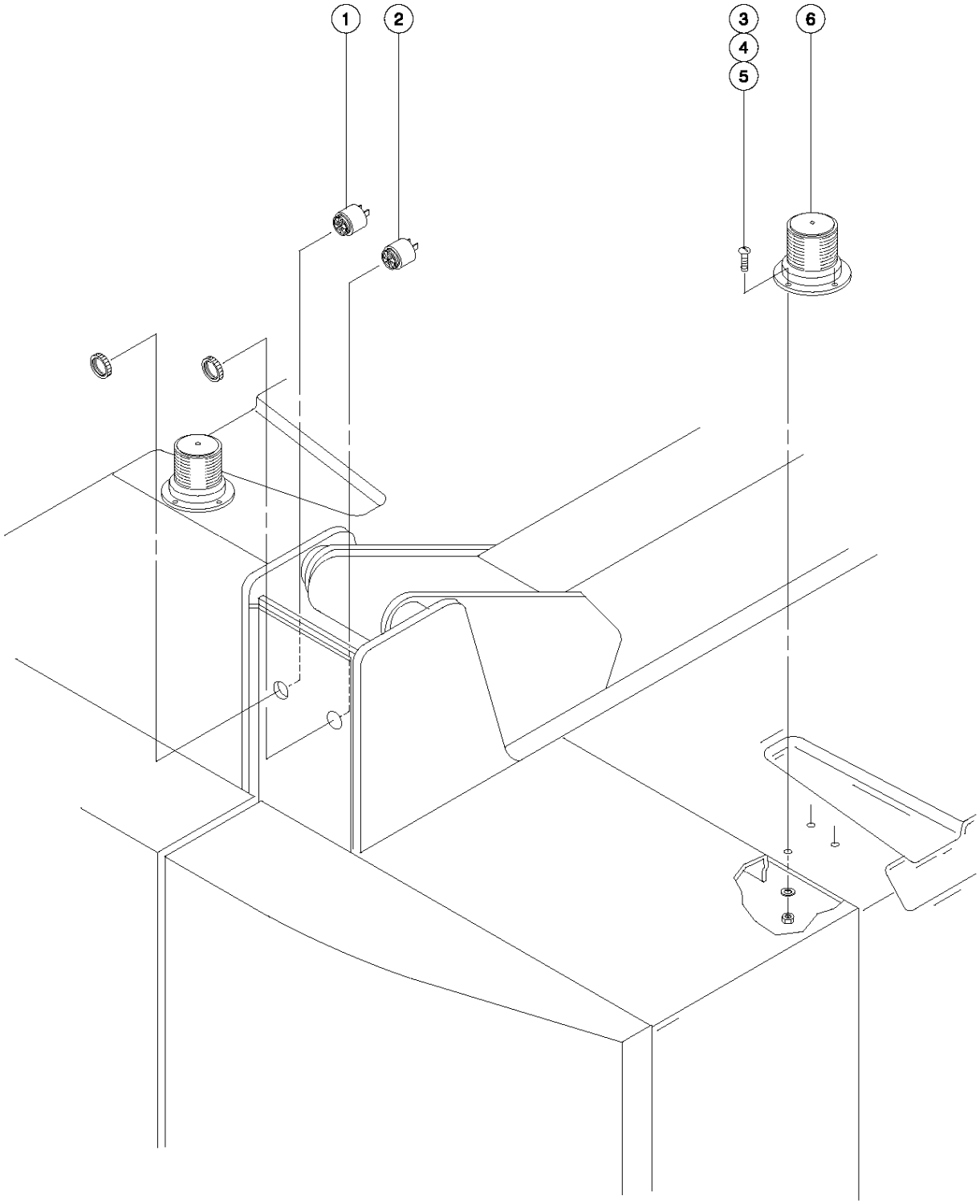
707.1 Joystick Controller - Boom Up/Down and Turntable Rotate Functions



707.1 Joystick Controller - Boom Up/Down and Turntable Rotate Functions

Item	Part No.	Description	Qty.
	40613GT	JOYSTICK,DUAL AXIS CONTROLL.** ..... OEM joystick, contains all shown service parts	
	40613HGT	JOYSTICK,DUAL AXIS CONTROLL.** ..... aftermarket joystick replacement	
1	27133GT	HANDLE,CAP,CONTROLLER	1
2	46272GT	FLANGE-JOYSTICK MOUNTING,44988	1
3	27134GT	BOOT,CONTROLLER ..... includes item 2	1
4		SPRING,24493 CONTROLLER ..... no longer available	1
5	31283GT	BUSHING,SPRING SEAT	1
6	19712GT	MICROSWITCH,V3L-139-D8	2
7	31284GT	SHAFT ASSY W/HOUSING	1
8	27512GT	JOYSTICK, DRIVE GEAR, (24493)	2
9	48413GT	PCB,ASSY,BOOM ROTATE,40613*	1
10	72356GT	POTENTIOMETER (40613) ..... (round body) (supplier p/n EPVR-342)	2
10	83088GT	POTENTIOMETER (40613) ..... (square body) (supplier p/n EPVR-464)	
11	27514GT	GEAR, SLAVE, 24493	2
12	58923GT	SADDLE BRCKT40613,34419,53073*	1
13	37948GT	SADDLES-SET(24493,40613,53073*	1
14	48414GT	PCB,ASSY,BOOM UP/DOWN,40613***	1

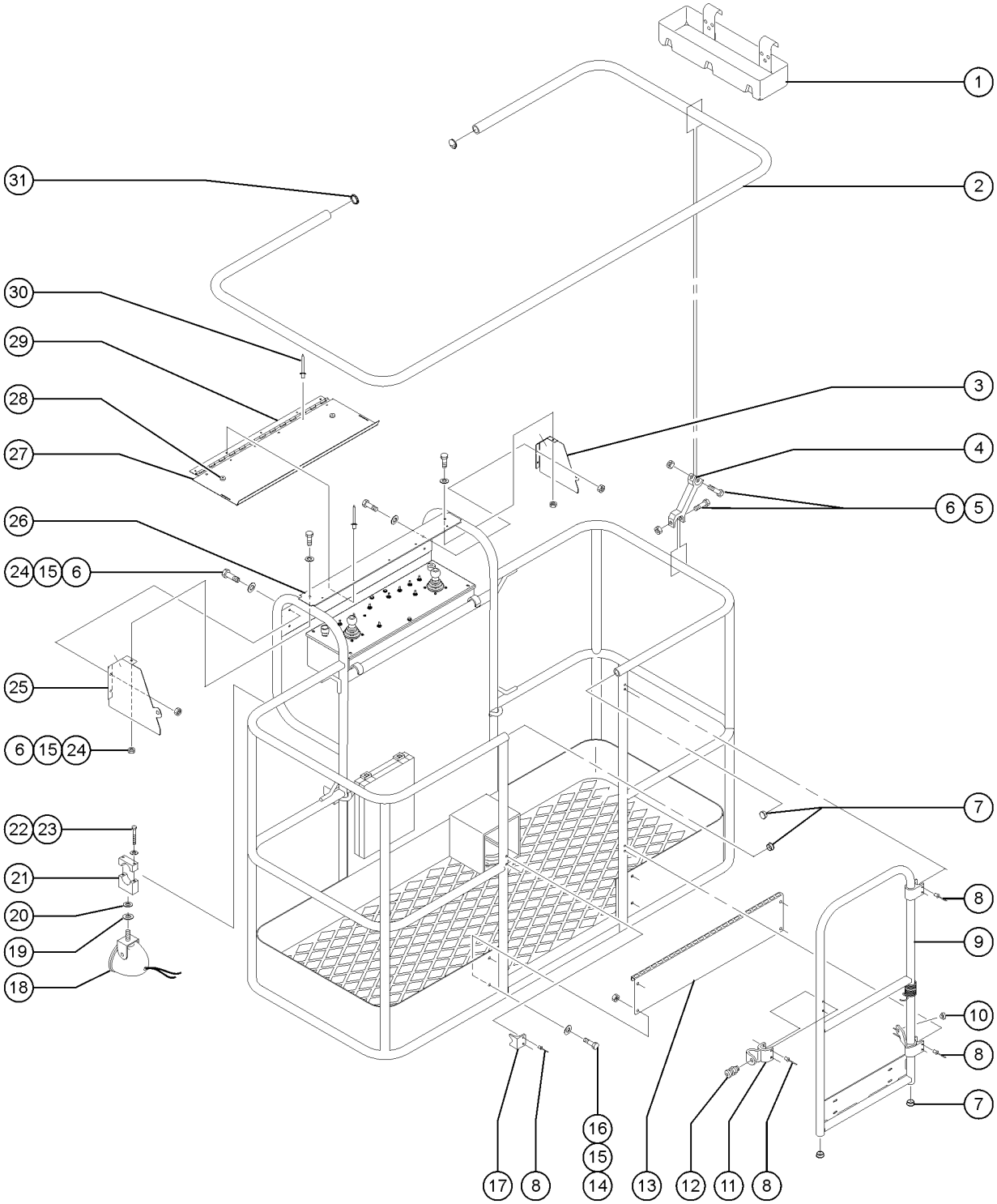
801.1 Alarm and Beacon Package



801.1 Alarm and Beacon Package

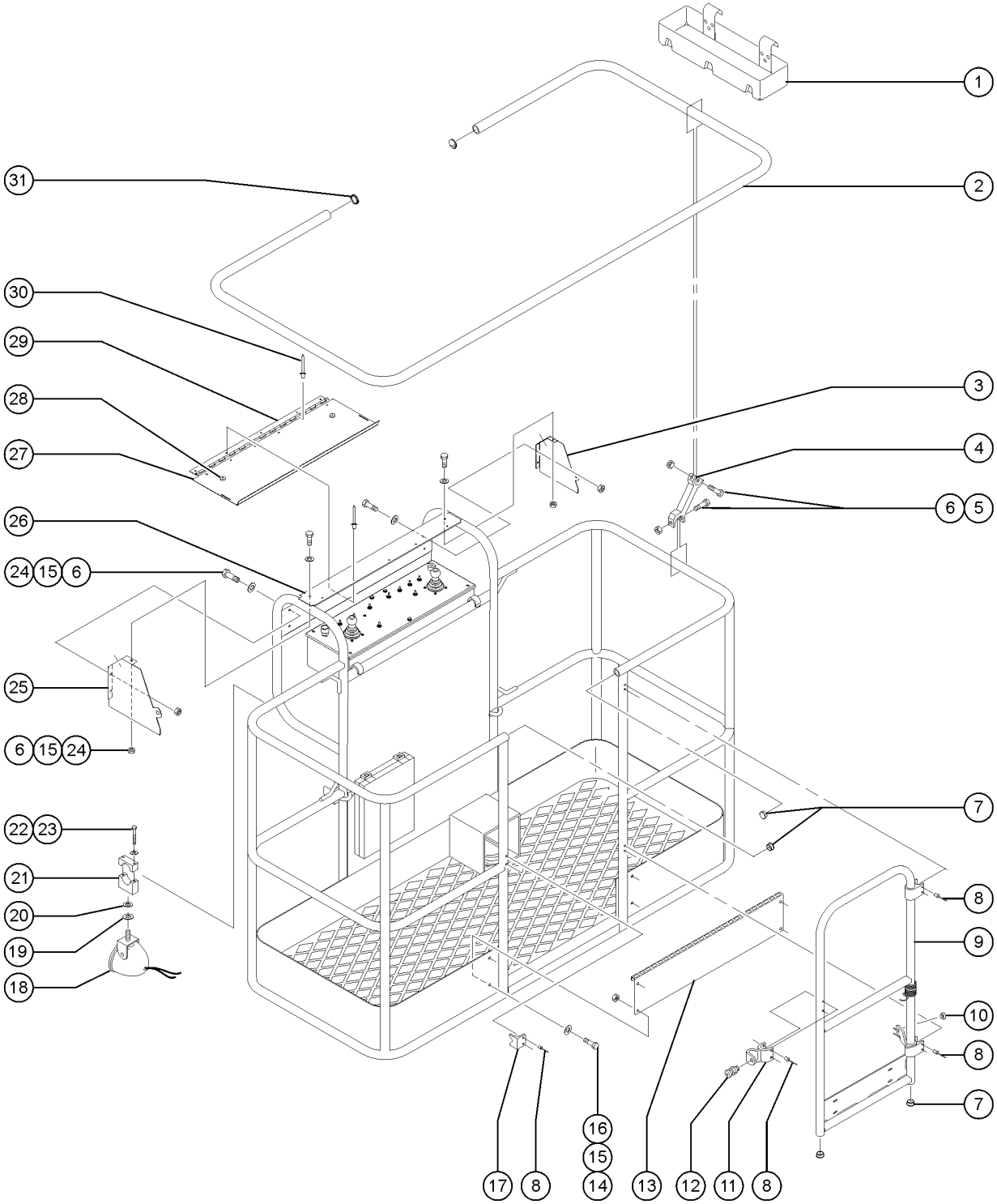
Item	Part No.	Description	Qty.
	46984GT	ALARM PKG,S60/80***	
1	45462GT	ALARM,CHIME TONE 5-25VDC*** Does not include 72326 nut	1
1-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
2	18963GT	ALARM, INTERMITTENT TONE 6-30V* Does not include 72326 nut	1
2-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
3	6147GT	SCREW,RHM,10-32 X 1	6
4	6146GT	WASHER,FLAT,MS,#10,Y	6
5	6178GT	NUT, NYLOCK, 10-32	6
6	56704GT	STROBE,FIREBOLT,12-80VDC,AMB** (replaced 20189)	2
6-	72282GT	LENS,AMBER,STROBE,FIREBOLT	2
6-	122019GT	FLASHTUBE,U SHAPED,360DEG,BULB	
6-	226393GT	FLASHTUBE,STRAIGHT,360DEG,BULB	

802.1 Platform Options



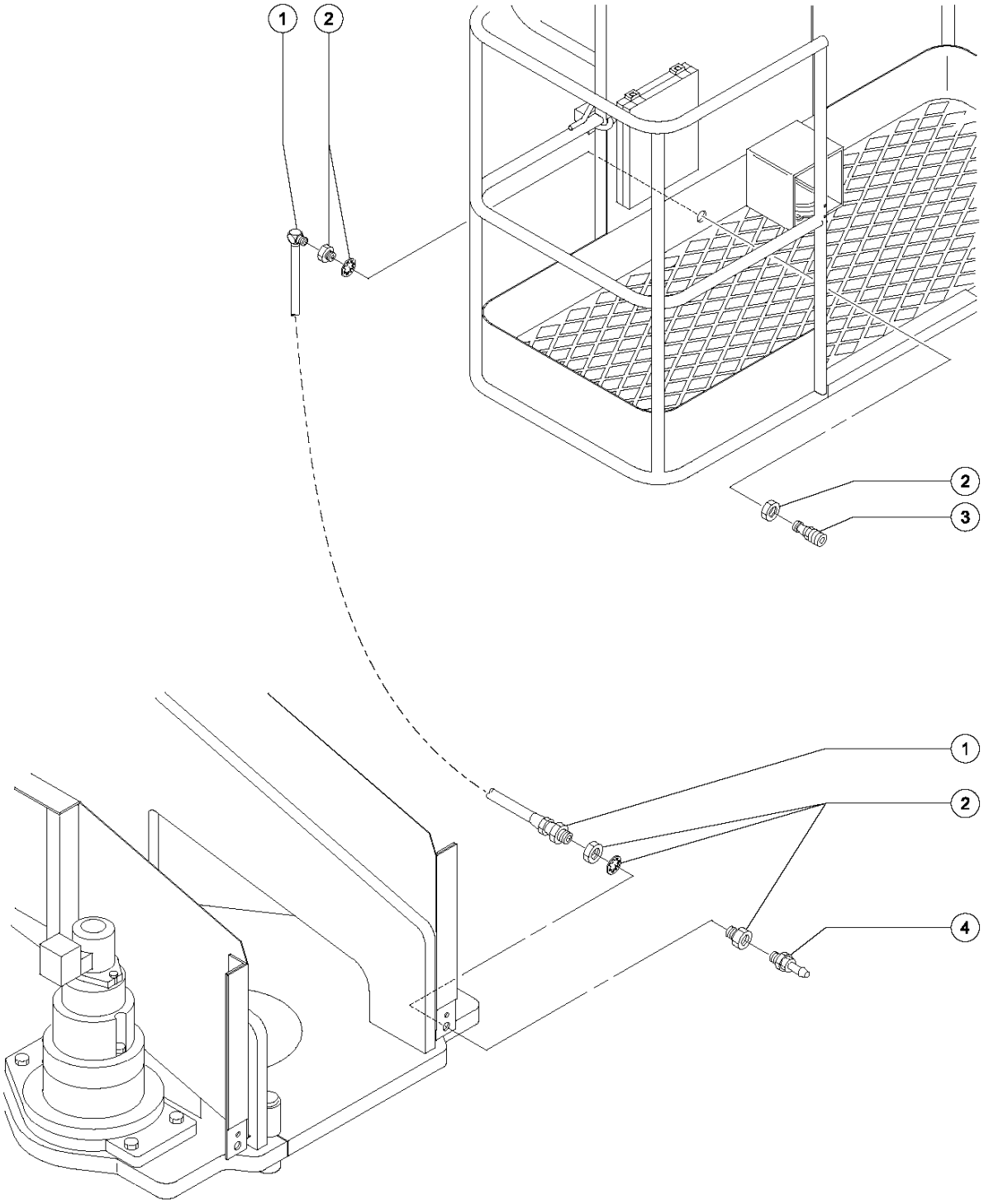
Item	Part No.	Description	Qty.
	53157-SGT	PINCH GUARD,6'(1.31")SERVICE**	
	28856-SGT	PLAT.PINCH GUARD,8',1.3	
	34321-SGT	OPTION,WORKLIGHT,12 VOLT	
1	9599-SGT	TOOL TRAY ACCESSORY***	1
2	1259704GT	PINCH GUARD RAIL,6' PLATFORM includes 55753 bumpers	1
2-	52661GT	PINCH GUARD RAIL,8' PLATFORM** includes 2 each index number 31	1
3	119797GT	CONTROL BOX COVER, RIGHT SIDE*	
4	139958GT	KIT, AUX TOP RAIL SUPPORT	10
5	4266GT	SCREW,HHC,1/4-20 X 2	20
6	6889GT	NUT,LP NYLOCK,1/4-20	20
7	31120GT	PLUG,NYLON 1.187 BLACK DOMED	4
8	7265GT	RIVET,STEEL,P, .25 X .375	14
9	128368GT	KIT,SWING GATE W/SPRING includes 2 each index number 7	1
9	1290135GT	KIT,HALF FRONT,SWING GATE	
9A-	1488GT	RAILING CATCH CASTING--DRILLED	
9A-	1487GT	GATE LATCH CASTING--DRILLED	
9A-	33674GT	PIN,LOCK,SHORT***	
9A-	9596GT	HINGE CASTING Special welding requirements for installation of this component. Strongly suggest ordering 128368 OR contact Genie Service for welding requirements.	
10	43392GT	BUMPER,BATTERY BOX & RAILS	1
11	1487GT	GATE LATCH CASTING--DRILLED	1
12	63311GT	SNAP PIN	1
13	54817P-SGT	TOEBOARD,PLTFM ENTRY EUR,PNTD*	1
14	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
15	6638GT	WASHER, FLAT, USS, 1/4"Y	4
16	6091GT	NUT,NYLOCK,1/4-20	6
17	1488GT	RAILING CATCH CASTING--DRILLED	1
18	107858GT	WORKLIGHT,48 VOLT	2
18A	35960GT	BULB,WORKLIGHT,12V 35W	

802.1 Platform Options



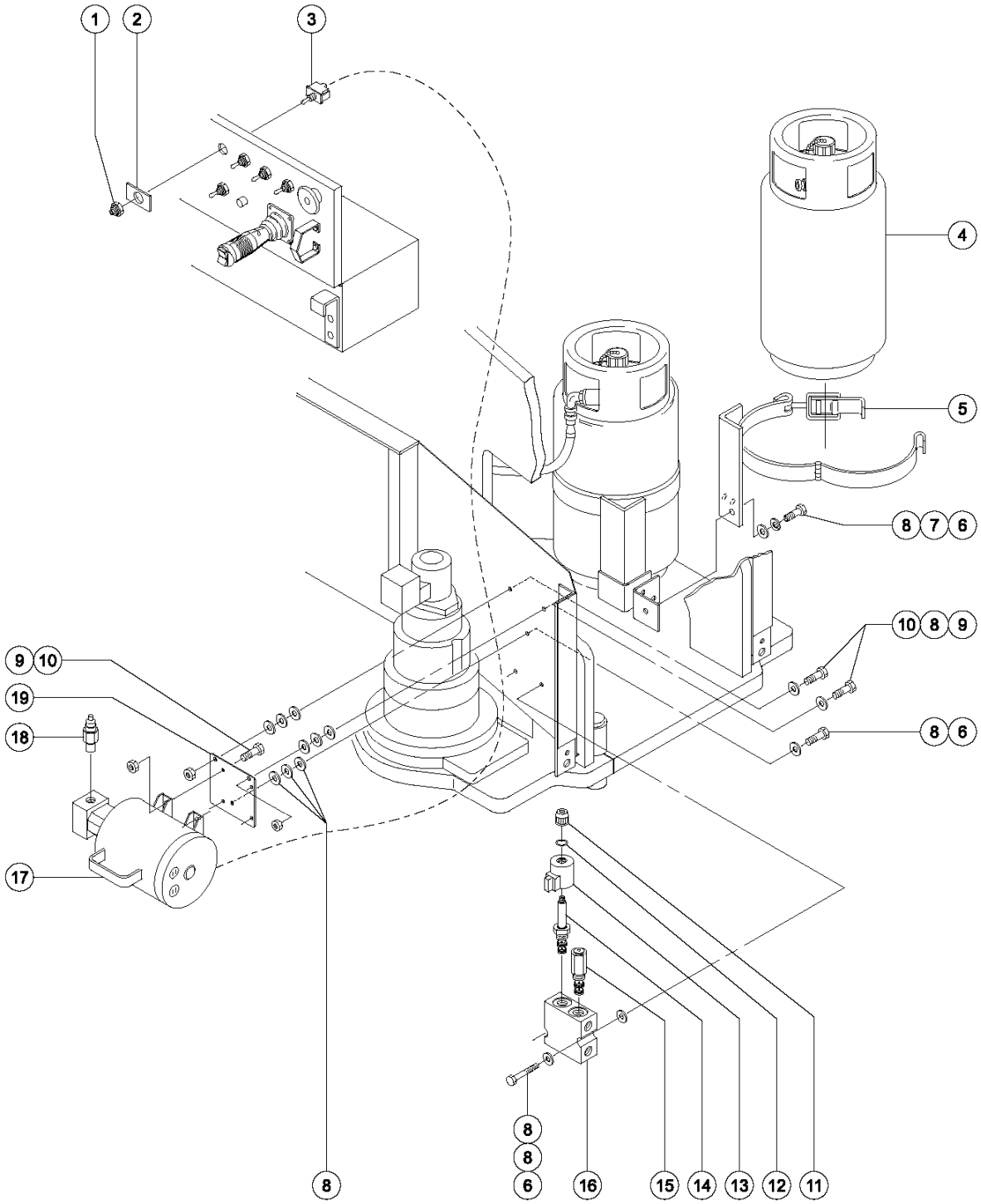
Item	Part No.	Description	Qty.
19	6036GT	WASHER,LOCK,.625 PLTD	1
20	6035GT	WASHER,FLAT,USS,5/8",Y	1
21	35956GT	WORK LIGHT MOUNTING BRACKET	2
22	6145GT	SCREW, HHC, 1/4-20 X 1.5	4
23	6356GT	WASHER,LOCK,.25	4
24	6090GT	SCREW, HHC, 1/4-20 X .75	2
25	119796GT	CONTROL BOX COVER,LEFT SIDE**	
26	119562PGT	GUARD,PLATFORM CNTRL PANEL PTD	
26-	119642GT	KIT,PLAT CONTROL PANEL GUARD** includes part 119562P, required for first time installation	
27	89915PGT	COVER,CONTROL BOX LID	
27-	119795GT	KIT,CONTROL BOX COVER includes part 89915P, index number 26 is required for first time installation	
28	43392GT	BUMPER,BATTERY BOX & RAILS	
29	111526GT	HINGE,PLAT CONTROL BOX COVER	
30	54486GT	RIVET,ALUM,ALUM,3/16BUTTONHEAD	
31	55753GT	BUMPER, PLASTIC, 1.25 O.D.	2

803.1 Airline to Platform



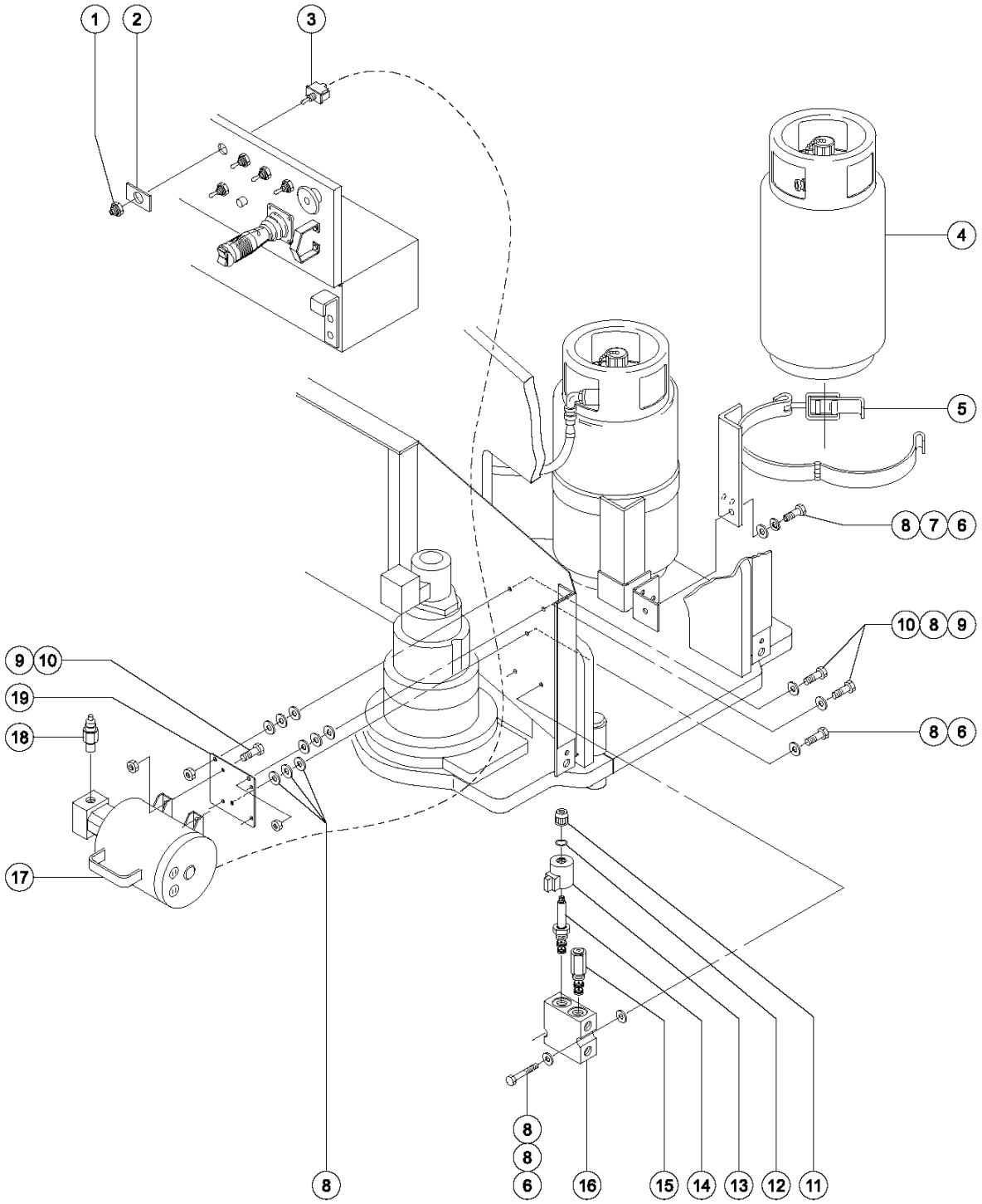
Item	*Part No.*	*Description*	*Qty.*
	34106GT	S80 AIR TO PLATFORM,1/2"ID	
1	49177-119794GT	HOSE ASSEMBLY,1/2"	1
2	49212GT	FEMALE BULKHEAD CONNECTOR-8	2
3	49215GT	MPT,CPLR,1/4"SER,3/8"X18	1
4	49214GT	MALE PIPE THD,1/4" SER,3/8"X18	1

804.1 Generator and Spare LPG Tank



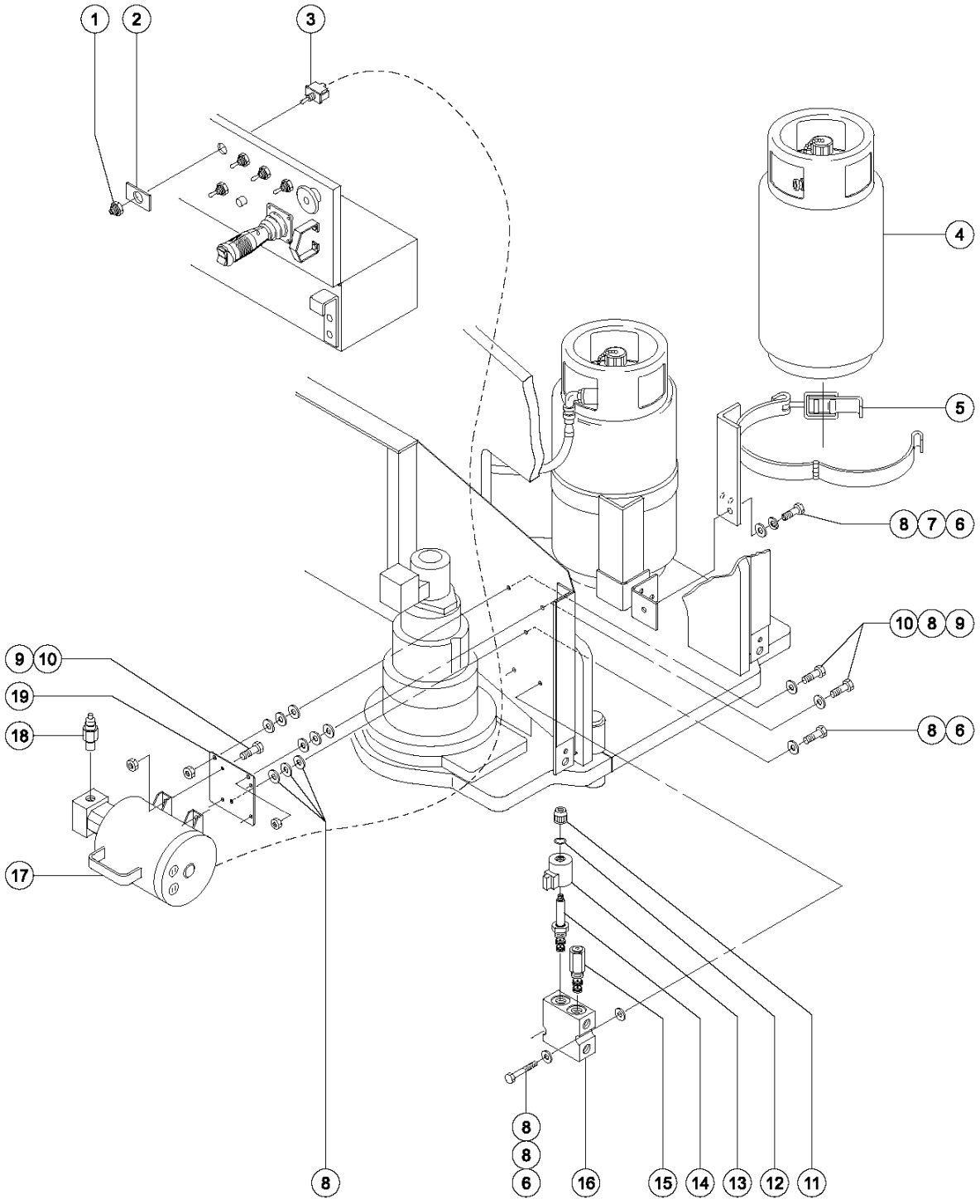
Item	Part No.	Description	Qty.
	30630GT	S40,60,80SPARE L.P.TANK W/BRKT	1
1	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
2	32728GT	DECAL,OPTION GENERATOR***	1
3	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT includes mounting fasteners	1
4	53605GT	TANK, 7 GAL/33.5 POUND, LP Gasoline/LPG Models	1
5	53120-SGT	LP.TANK BRACKET TALL WLDMNT Gasoline/LPG Models	1
6	6175GT	SCREW,HHC,3/8-16 X 1 Gasoline/LPG Models	6
7	6021GT	WASHER, LOCK, .375	4
8	5397GT	WASHER, FLAT, USS, 5/16-18	17
9	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	6
10	7713GT	NUT, LP NYLOCK, 3/8-16	7
11	33568GT	NUT, CP521-1 VALVE	1
12	45914GT	O-RING, DO1 VALVE	1
13	27535GT	COIL,12V.DO1 VALVE use until exhausted	1
13-	56445GT	DIODE,6 AMP 200 PIV,REEL	
14	19969GT	VALVE,SOLENOID (18660)*** includes index numbers 11 through 13	1
15	44950GT	VALVE,RELIEF,1500 PSI***	1
16	53976GT	MANIFOLD,GENERATOR includes index numbers 11 through 15	1
17	58301GT	GENERATOR,2000W,HYDRAULIC*** includes index number 18	1
17A-	32732GT	RECTIFIER ASSEMBLY	
17A-	58402GT	BRIDGE,50A FULL WAVE**	
17A-	32734GT	BRUSH ASSEMBLY	
17A-	32736GT	MOTOR,HYDRAULIC GENERATOR	
17B	36928GT	GENERATOR,2500W HYD.220/50HZ includes index number 18	1
17B-	32732GT	RECTIFIER ASSEMBLY	
17B-	58402GT	BRIDGE,50A FULL WAVE**	
17B-	52085GT	BRUSH HOLDER ASSY, 2500W GENER	
17B-	52086-RGT	MOTOR -HYD.2500W GENER REFURB.	

804.1 Generator and Spare LPG Tank



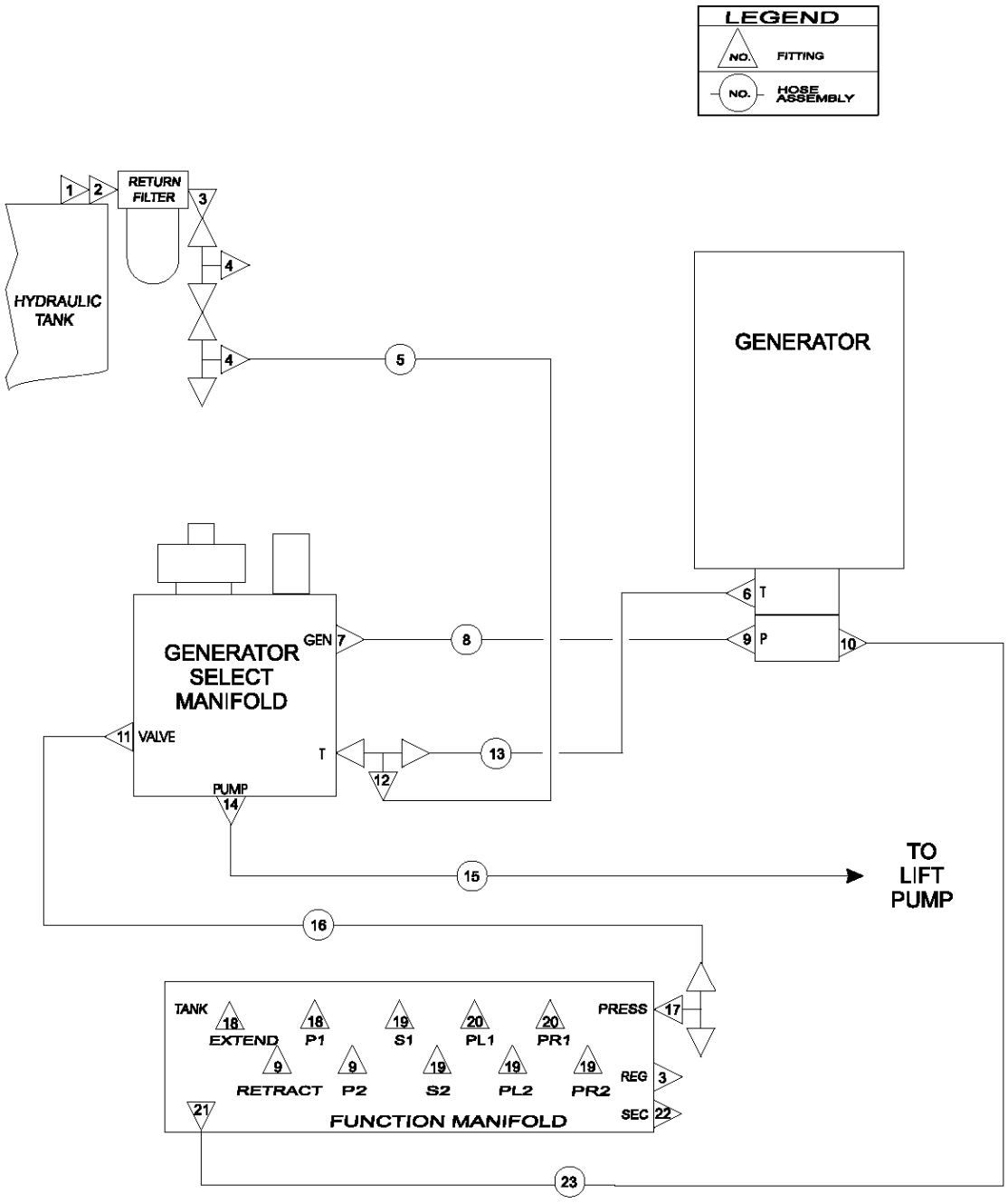
Item	Part No.	Description	Qty.
17B-	T111608GT	SEAL,RETAINING RING for pump	
17B-	T111609GT	SEAL,SHAFT for pump	
17B-	T111610GT	SPACER for pump	
17B-	T111611GT	BEARING,MOTOR for pump	
17B-	T111612GT	RETAINING RING for pump	
17B-	T111613GT	SHAFT,MOTOR for pump	
17B-	58954GT	O-RING,SPACER #115*** for pump	
17B-	147836GT	SEAL, GASKET, .00075" *GOLD* for pump	
17B-	147837GT	SEAL, GASKET, .0005" *SILVER* for pump	
17B-	147838GT	SEAL, GASKET, .0010" for pump	
17C	111381GT	GEN,HYD,3000W,110V,60HZ includes index number 18	1
17C-	32732GT	RECTIFIER ASSEMBLY	
17C-	58402GT	BRIDGE,50A FULL WAVE**	
17C-	52000GT	BRUSH ASSEMBLY	
17C-	52001GT	HYDRAULIC MOTOR 3000W GENER	
18	32735GT	VALVE,PRI. FLOW REG 4.3 for 2000W / 2500W generators	1
18-	65841GT	PRIORITY FLOW CONTROL VALVE*** for 3000W generators	1
19	34876P-SGT	PLATE,GENERATOR MOUNTING	1
17C-	58944GT	BRUSH 3/8 X 1/4 X 15/16(36928)	
17C-	T111608GT	SEAL,RETAINING RING for pump	
17C-	T111609GT	SEAL,SHAFT for pump	
17C-	T111610GT	SPACER for pump	
17C-	T111611GT	BEARING,MOTOR for pump	
17C-	T111612GT	RETAINING RING for pump	
17C-	T111613GT	SHAFT,MOTOR for pump	
17C-	58954GT	O-RING,SPACER #115*** for pump	
17C-	147836GT	SEAL, GASKET, .00075" *GOLD* for pump	
17C-	147837GT	SEAL, GASKET, .0005" *SILVER* for pump	

804.1 Generator and Spare LPG Tank



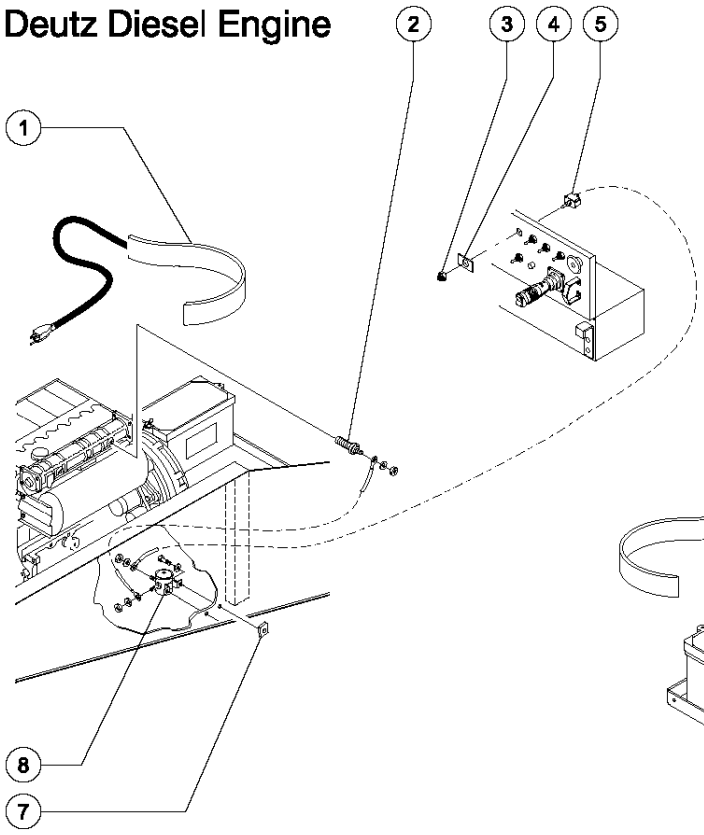
Item	*Part No.*	*Description*	*Qty.*
17C-	147838GT	SEAL, GASKET, .0010" for pump	
17B-	58944GT	BRUSH 3/8 X 1/4 X 15/16(36928)	
17B-	58954GT	O-RING,SPACER #115***	
17C-	147839GT	ASSM, GEN. ONLY, 110V, 60HZ	

805.1 Hydraulic Hoses and Fittings - Generator Option

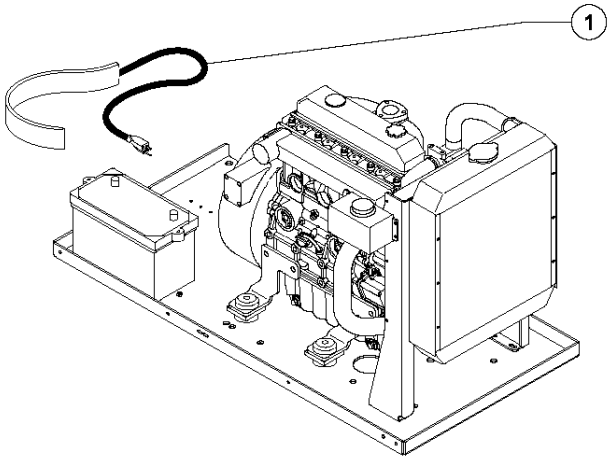


Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48986GT	CONN,520102-16	1
2	49512GT	ELBOW,90DEG,FEM,1"NPT	1
3	49515GT	ELBOW,90D,520202-12-16	2
4	48964GT	TEE,RUN,SWIVEL,520432-12	2
5	49142-7112GT	HOSE ASSEMLY,1/2,90FEM,STR FEM	1
6	49203GT	ELBOW,45D,520320-10-8	1
7	48933GT	CONN,520120-8***	3
8	49143-2979GT	HOSE ASSY,1/2,90 FEM,STR FEM	2
9	48937GT	ELBOW,45D,520320-8	3
10	48905GT	CONNECTOR, 520120-4	1
11	48960GT	FITTING,CONN,520120-12***	1
12	48935GT	TEE,RUN, 520428-8	1
13	65513GT	HOSE ASSEMBLY, 1/2"	1
14	48958GT	CONN,520120-10-12	1
15	1296384-7800GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 78"LG	1
16	1296384-5600GT	HOSE ASSY,5/8" HYD,90 FEM-ST FEM, 56"LG	1
17	48954GT	TEE,BRANCH,520429-10	1
18	48934GT	CONN,LONG,520122-8	2
19	48916GT	CONN, 520120-6	4
20	48917GT	CONN,LONG,520122-6	2
21	48912GT	CONN,520120-4-6***	1
22	48930GT	CONN,520120-6-8	1
23	49117-3391GT	HOSE ASSY,1/4,90 FEM,STR FEM	1

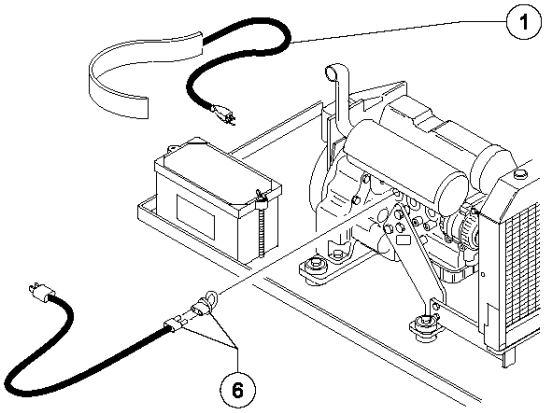
Deutz Diesel Engine



Perkins Diesel Engine

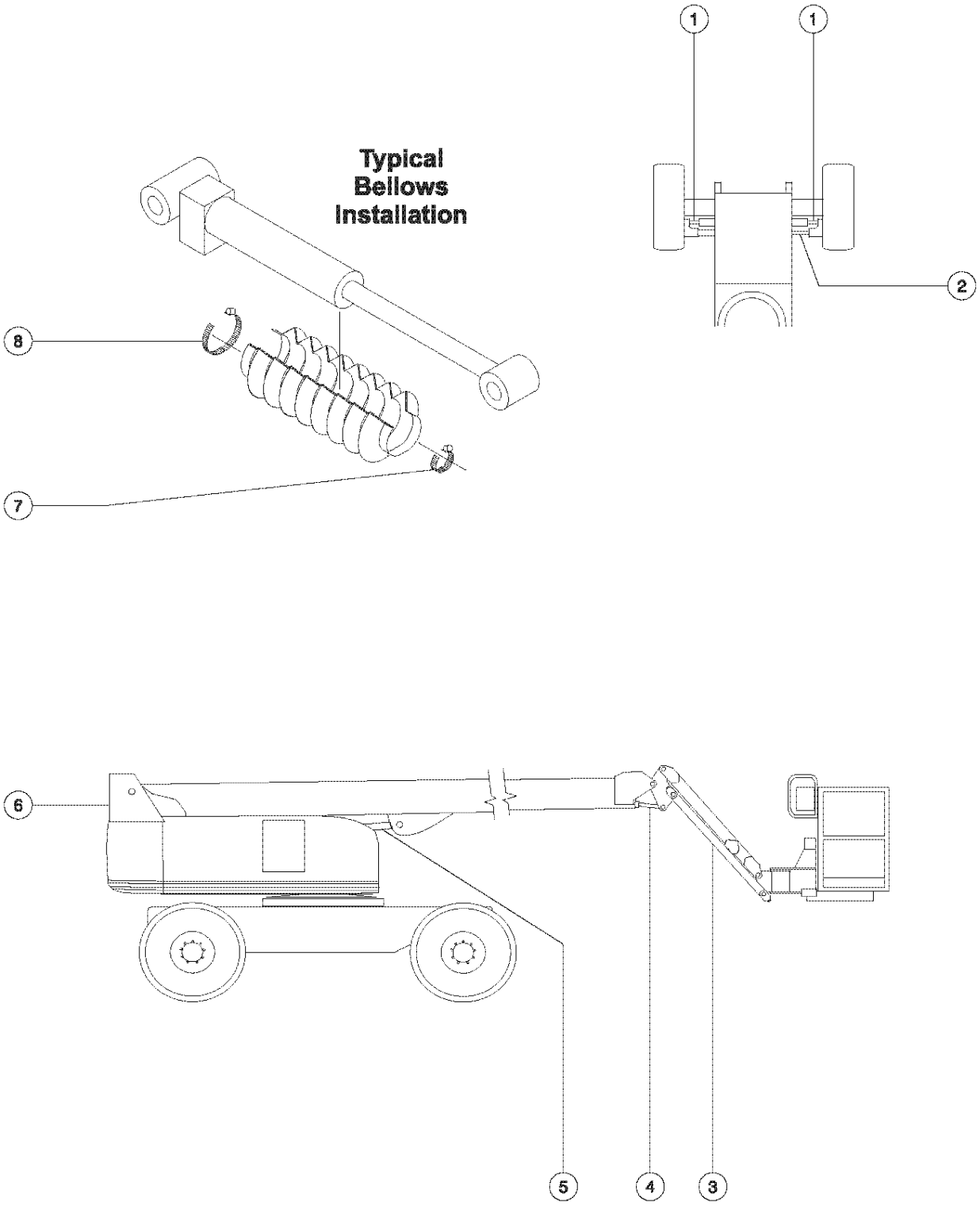


Ford Gasoline/LPG Engine



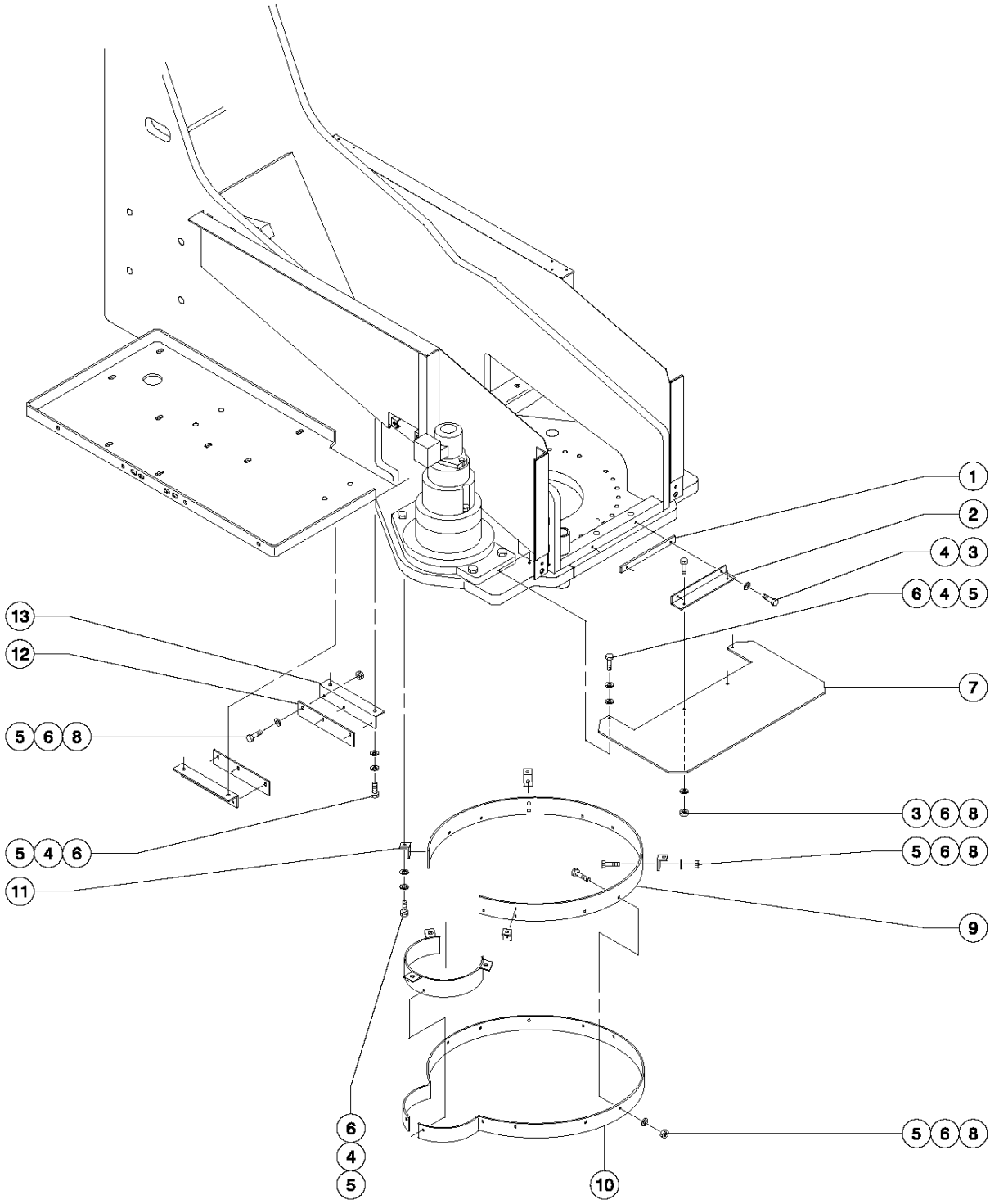
Item	Part No.	Description	Qty.
	53156GT	COLD START,FORD, BIG BOOM	
	53982GT	COLD START PKG,PERKINS,BB	
	53159-SGT	COLD START PKG,DEUTZ,BIG BOOM	
1	28853GT	BLANKET,BATTERY	2
2	31408GT	GLOW PLUG,L1011 Deutz Diesel models	1
3	27246GT	BOOT,TOGGLE SWITCH,SHORT* Deutz Diesel models	1
4	32726GT	DECAL,OPTION GLOW PLUGS*** Deutz Diesel models	1
5	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM includes mounting fasteners; Deutz Diesel models	1
6	35610GT	HEATER,FREEZE PLUG,FORD LRG423 Gasoline/LPG models	1
7	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG Deutz Diesel models	2
8	27155GT	SOLENOID,12V CONTINUOUS*** Deutz Diesel models	1

807.1 Hostile Environment Package - Cylinders Bellows



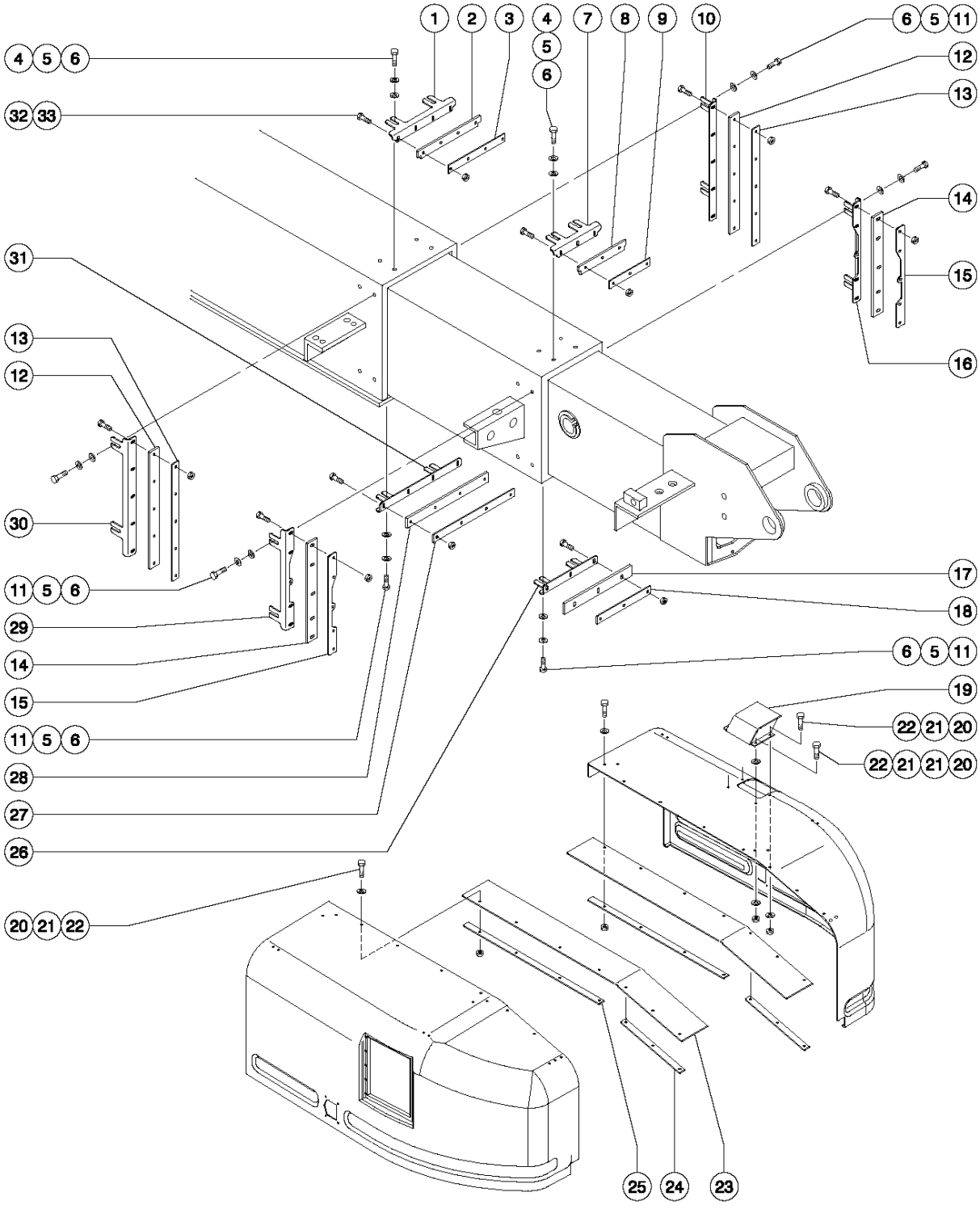
Item	Part No.	Description	Qty.
	34107GT	S80 STD HOSTILE ENVIRONMENT PK	
	53617-SGT	S80 DELUXE HOSTILE ENVIRONMENT	
1	34533GT	COVER,PROTECTIVE,STEER CYL	2
2	34532GT	COVER,PROTECTIVE,TIE ROD CYL.	1
3	34505GT	COVER,PROTECTIVE,JIB CYLINDER	1
4	34503GT	COVER,PROTECTIVE,SLAVE W/JIB	1
5	34531GT	COVER,PROTECTIVE,LIFT CYLINDER	1
6	34501GT	COVER,PROTECTIVE,MASTER W/JIB	1
7	36208GT	CLAMP,HOSE,1.25***	6
7-	30489GT	CLAMP,HOSE,3.50	1
8	30971GT	CLAMP,HOSE,3.00"	6
8-	31523GT	CLAMP,HOSE,8.50 DIA***	1

808.1 Hostile Environment Package - Turntable



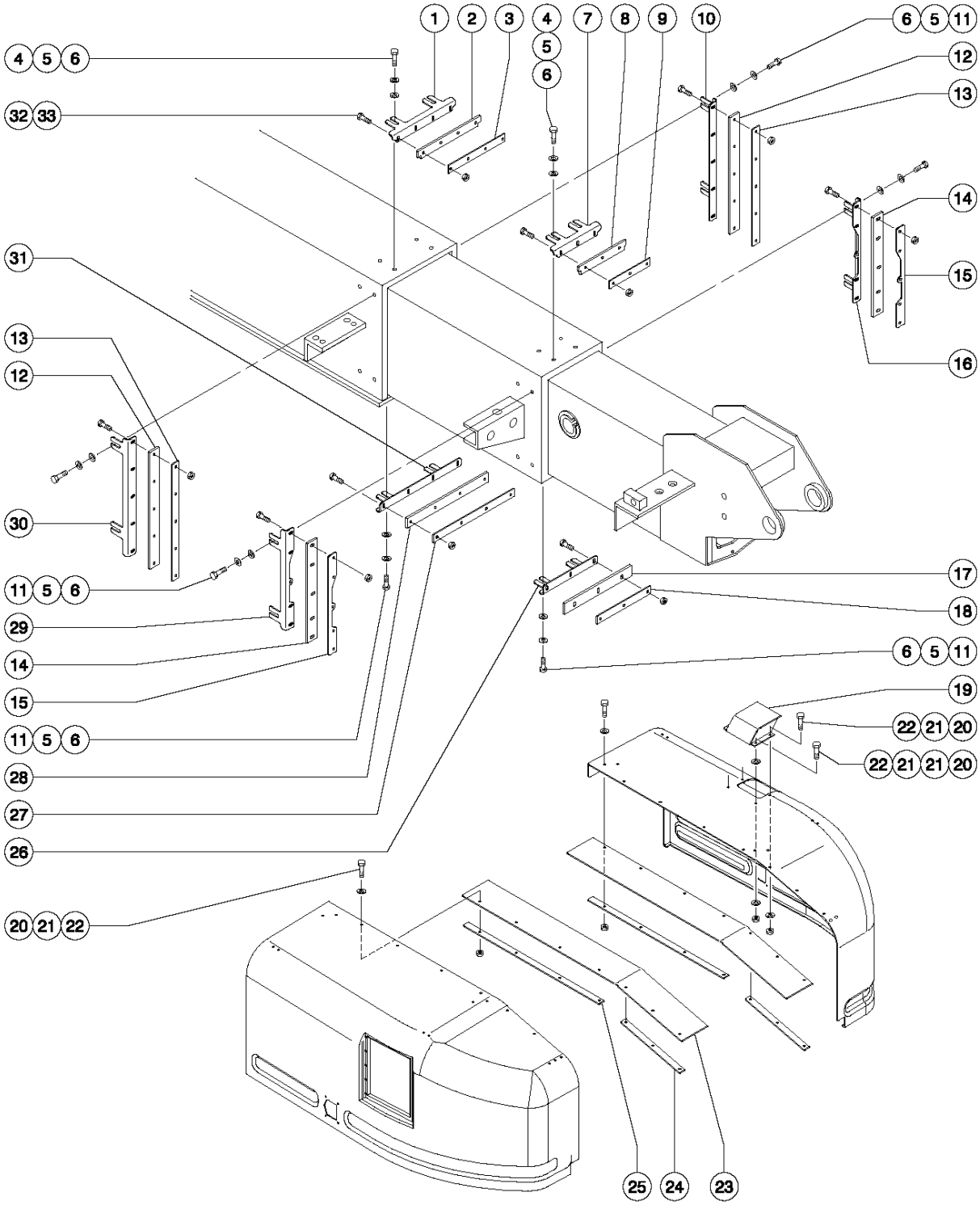
Item	*Part No.*	*Description*	*Qty.*
1	35424PGT	FLATBAR,CHASSIS SPACER BLUE	1
2	35423PGT	ANGLE,FRONT CHASSIS GUARD BLUE	1
3	6888GT	SCREW, HHC, 1/4-20 X 1	2
4	6356GT	WASHER,LOCK,.25	14
5	6090GT	SCREW, HHC, 1/4-20 X .75	34
6	6638GT	WASHER, FLAT, USS, 1/4"Y	36
7	34992PGT	PLATE,FRONT CHASSIS GUARD,BLUE	1
8	6091GT	NUT,NYLOCK,1/4-20	26
9	35419PGT	BRACKET,RING GUARD	1
10	35421GT	WIPER,RING GEAR	1
11	81062PGT	ANGLE,RING GUARD *PAINTED	4
12	53633GT	WIPER, RING GEAR	2
13	35420PGT	BRACKET,RING GUARD MTG.BLUE	2

809.1 Hostile Environment Package - Boom and Turntable Covers



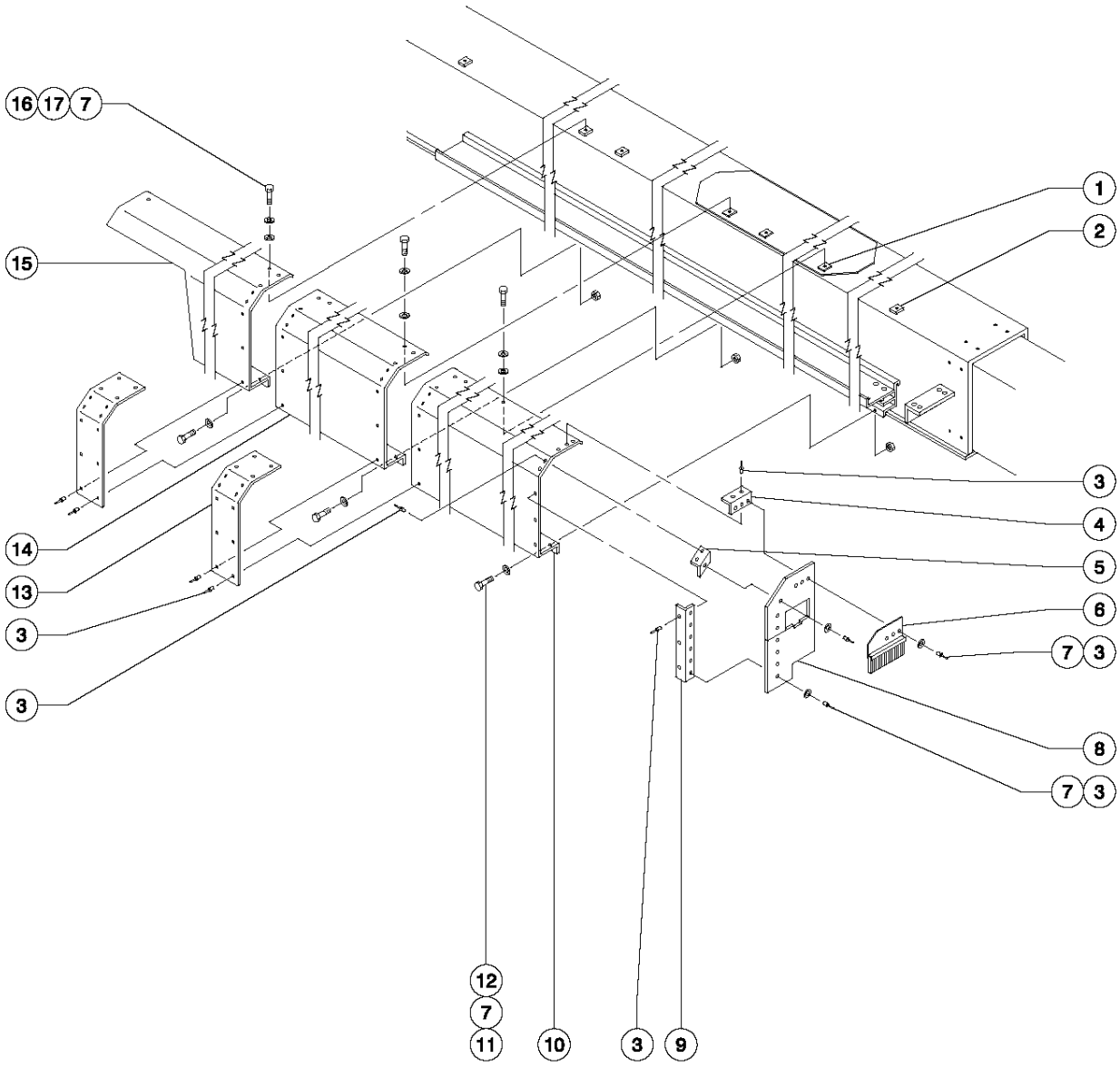
Item	Part No.	Description	Qty.
1	63179PGT	WIPER BRACKET, PNTD	1
2	63171GT	WIPER	1
3	63172PGT	BACKING PLATE, PNTD	1
4	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	4
5	6021GT	WASHER, LOCK, .375	16
6	5397GT	WASHER, FLAT, USS, 5/16-18	16
7	63135PGT	WIPER BRACKET, PNTD	1
8	63174GT	WIPER	1
9	63168PGT	BACKING PLATE, PAINTED	1
10	63143PGT	WIPER BRACKET, PNTD	1
11	8516GT	SCREW, HCC, 3/8-16 X 1.50	12
12	63144GT	WIPER	2
13	63170PGT	BACKING PLATE, PNTD	2
14	63138GT	WIPER	2
15	63167PGT	BACKING PLATE, PNTD	2
16	63176PGT	WIPER BRACKET, PNTD	1
17	63136GT	WIPER	1
18	63175PGT	BACKING PLATE, PNTD	1
19	34359-SGT	EXHAUST HOOD WELDMENT	1
20	6888GT	SCREW, HHC, 1/4-20 X 1	18
21	6638GT	WASHER, FLAT, USS, 1/4"Y	6
22	6091GT	NUT,NYLOCK,1/4-20	18
23	34381GT	FLAP,SWING CHASSIS COVER	2
24	34389PGT	BAR,FLAP REINFORCING 23" BLUE	2
25	34388PGT	BAR,FLAP REINFORCING 37.5 BLUE	2
26	63177PGT	WIPER BRACKET, PNTD	1
27	63182PGT	BACKING PLATE, PNTD	1
28	63181GT	WIPER	1

809.1 Hostile Environment Package - Boom and Turntable Covers



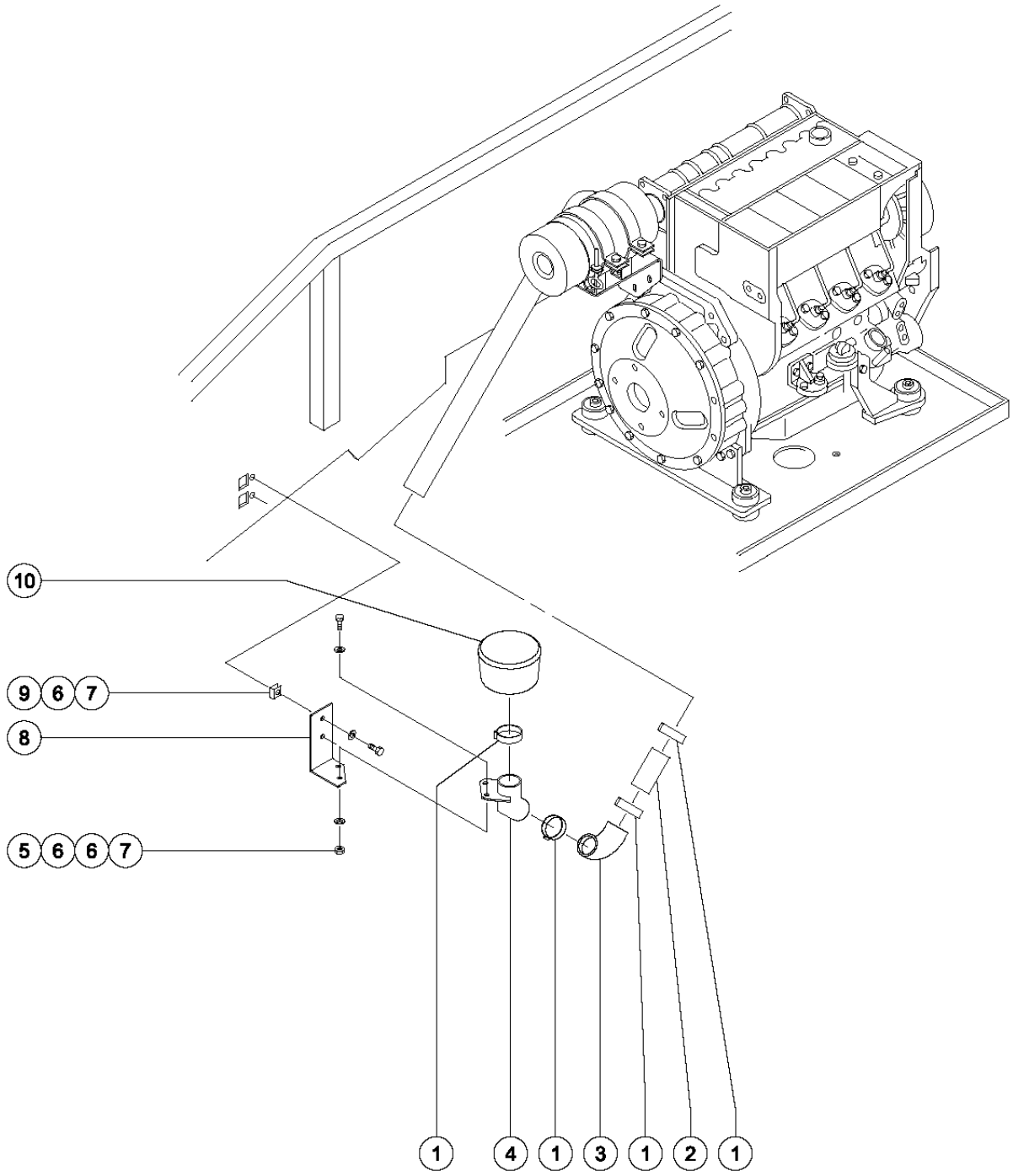
Item	Part No.	Description	Qty.
29	63137PGT	WIPER BRACKET, PNTD	1
30	63180PGT	WIPER BRACKET, PNTD	1
31	63141PGT	WIPER BRACKET, PNTD	1
32	6878GT	BOLT,CARRIAGE,1/4-20 X .75,G2	34
33	6889GT	NUT,LP NYLOCK,1/4-20	34

810.1 Hostile Environment Package - Cable Track



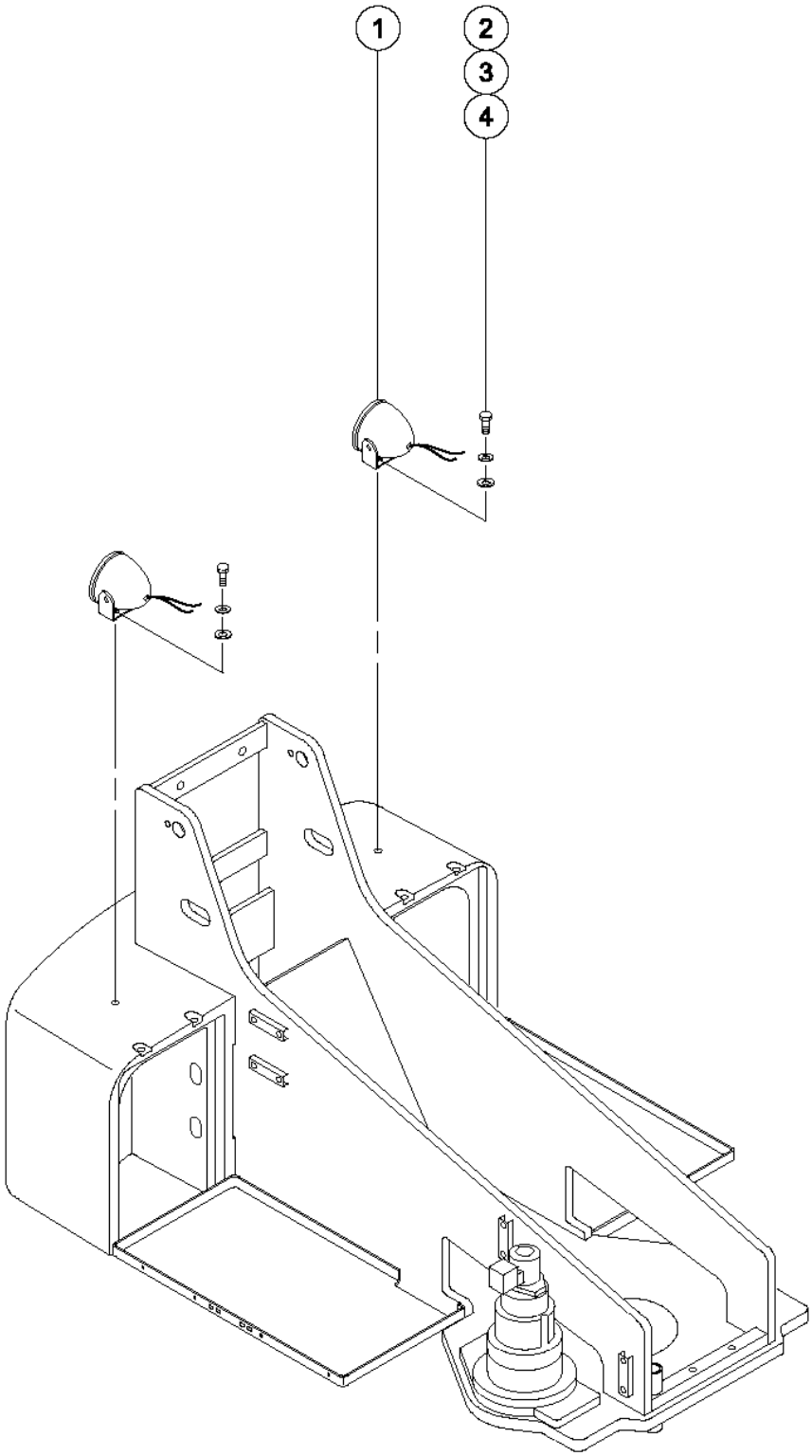
Item	Part No.	Description	Qty.
1	49626GT	BOLT PAD,CBL.TRK.CVR.,.50**	3
2	49625GT	BOLT PAD,CBL.TRK.CVR.,.75**	12
3	12037GT	RIVET,STL,STL,P,.25 X .5	45
4	53144GT	BRACKET,CBL TRK GASKET,S60/80	1
5	53145GT	BRACKET,CBL TRK GASKET,S60/80	1
6	53146GT	BRUSH,CABLE TRACK COVER, 6.69	1
7	6638GT	WASHER, FLAT, USS, 1/4"Y	47
8	49624GT	END COVER GASKET,CBLE TRCK CVR	1
9	53143GT	BRACKET, CABLE TRACK GASKET	1
10	49621GT	COVER, CABLE TRACK,100.00"	1
11	6090GT	SCREW, HHC, 1/4-20 X .75	13
12	6889GT	NUT,LP NYLOCK,1/4-20	13
13	49623GT	JOINT COVER,CABLE TRACK	1
14	49622GT	COVER, CABLE TRACK, 96.00"	1
15	53481GT	COVER, CABLE TRACK, 96.00"	1
16	8914GT	SCREW, HHC, 1/4-20 X .625	15
17	6356GT	WASHER,LOCK,.25	15

811.1 Hostile Environment Package - Engine Air Cleaner



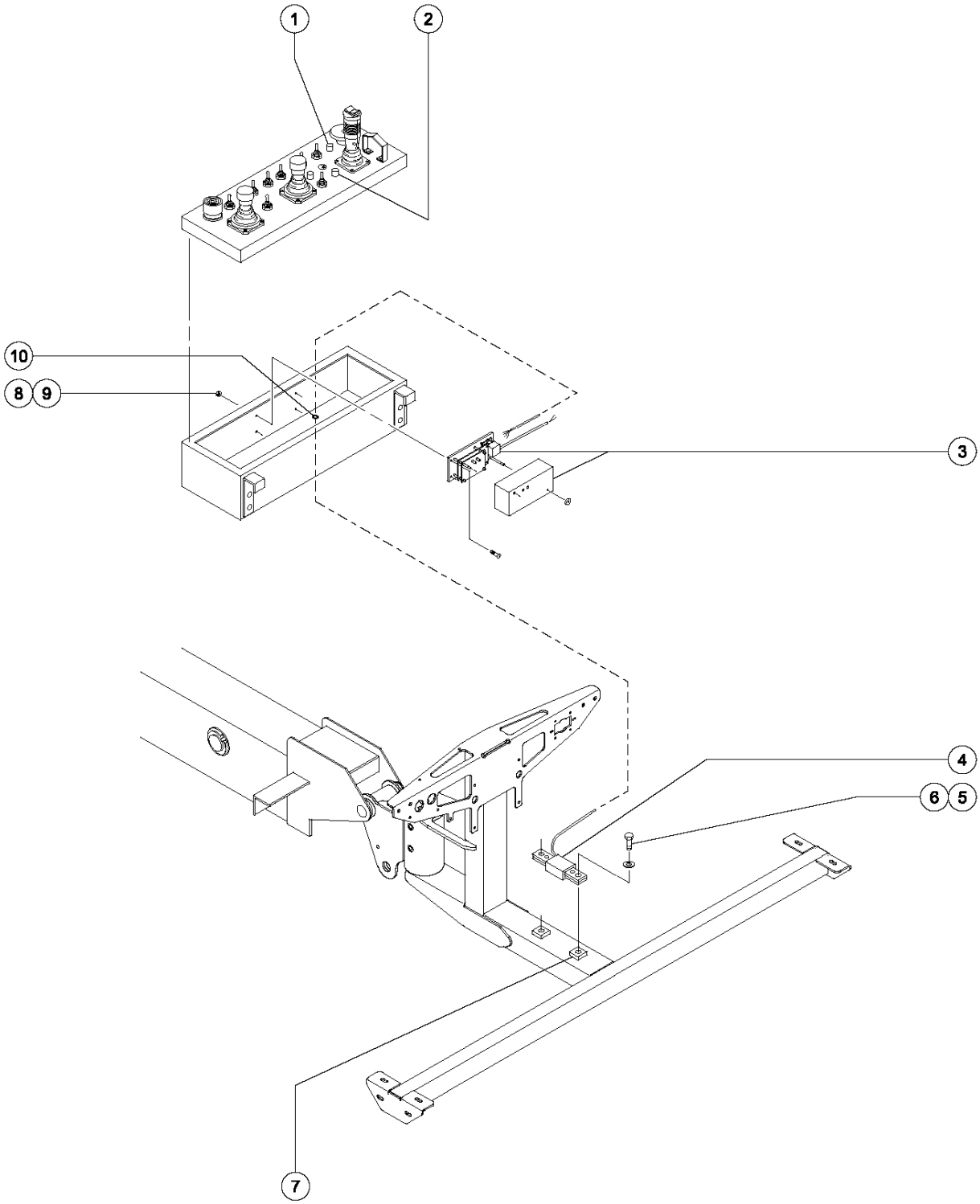
Item	Part No.	Description	Qty.
	36873GT	S60,80 HOSTILE ENVIRONMT,DEUTZ	
	102007GT	OPT,PRECLEANER,PERKINS,S40	
1	30971GT	CLAMP,HOSE,3.00"	4
2	35067GT	TUBE,RD,ALUM 2.5 X .083	8 inches
3	34164GT	ELBOW,90 DEGR,RUBBER,2.5"I.D.*	1
4	34526GT	WELDMENT,PRECLEANER MOUNT	1
5	4828GT	NUT, NYLOCK, 3/8-16	2
6	6097GT	WASHER, FLAT, USS, 3/8", Y	6
7	6175GT	SCREW,HHC,3/8-16 X 1	4
8	53129GT	BRACKET, PRE-FILTER	1
9	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	2
10	34959GT	PRECLEANER,AIR INTAKE***	1

812.1 Drive Light Option



Item	Part No.	Description	Qty.
	72867GT	DECAL,LABEL,LIGHTS***	
1	35960GT	BULB,WORKLIGHT,12V 35W	2
2	8255GT	SCREW,HHC,3/8-16 X .75	2
3	6021GT	WASHER, LOCK, .375	2
4	5397GT	WASHER, FLAT, USS, 5/16-18	2

813.1 Load Sensor Option



Item	Part No.	Description	Qty.
1	824879GT	LIGHT,LED IND. RED 12V NH Diesel models, (Complete LED light assembly)	1
1-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Gasoline/LPG Models	1
2	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG Models, (Complete LED light assembly)	1
2-	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel Models	1
3		Ref. MODULE,LOAD SENSE,W/12V RELAY (Component no longer available)	1
4	56765GT	LOAD CELL BENDING TYPE no longer available	1
5	8255GT	SCREW,HHC,3/8-16 X .75	2
6	57201GT	WASHER,FLAT,313, HARDENED	2
7	63397GT	BLOCK,LOAD SENSOR	2
8	12344GT	NUT,NYLOCK,6-32	4
9	49820GT	SCREW,PHILLIPS,PHM,6-32 X .5	4
10	42646GT	GROMMET,RUBBER .25 X .50"OD	1

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California Proposition 65

WARNING

Operating, servicing and maintaining this equipment, passenger vehicle or off-highway motor vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These chemicals can be emitted from or contained in other various parts and systems, fluids and some component wear by-products. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment and vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment or vehicle and after operation. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel.

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