Genie®
A TEREX BRAND

Parts Manual

Serial Number Range

Z-45/22
Z-45/25J
IC Power

from SN 9997 to 21178

Part No. 52551GT
Rev: E.05
June 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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Second Edition, Fifth Printing

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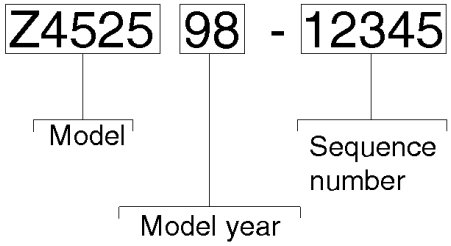
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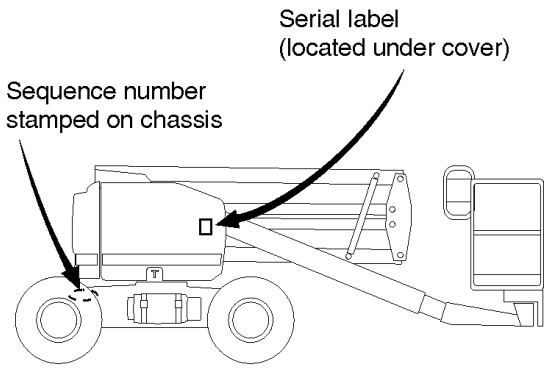
A TEREX BRAND

Model: Z-45/25
Serial number: Z452598-12345
Model year: 1998 **Manufacture date:** 01/01/98
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 : 45 ft 6 in/ 13.8 m
Maximum platform reach : 25 ft 3 in/ 7.7 m
Gradeability: N/A
Country of manufacture: USA
This machine complies with:
ANSI A92.5
CAN B.354.4

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





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 Z-45/25 and Z-45/25J Service Manual.

All Models:

Description	Part No.
Hydraulic Tank Filter Element Kit	77353
Drive Loop Hydraulic Filter Element	20880
Lithium Based Grease	(source locally)
Dielectric Grease	66399
Drive Hub Oil (refer to Service Manual)	(source locally)
Safety Chock	36555

Ford Models

Description	Part No.
Fuel Pre-Filter	52179
Fuel Pressure Regulator/Filter	58967
Engine Oil Filter	28656
Air Filter Element	27916
Serpentine Belt	52580
PCV Valve	33957
Spark Plug	28647

Perkins Models:

Description	Part No.
Air Filter Element	27916
Fuel/water Separator Element	22942
Engine Oil Filter	65540
Fuel Filter	22942

Deutz Models:

Description	Part No.
Air Filter	27916
Fuel/water Separator Element	65541
Engine Oil Filter	49924

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
Plug and Cap Kit (for ORFS fittings)	49613

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

TEREX CORPORATION

Service Parts Fax Order Form

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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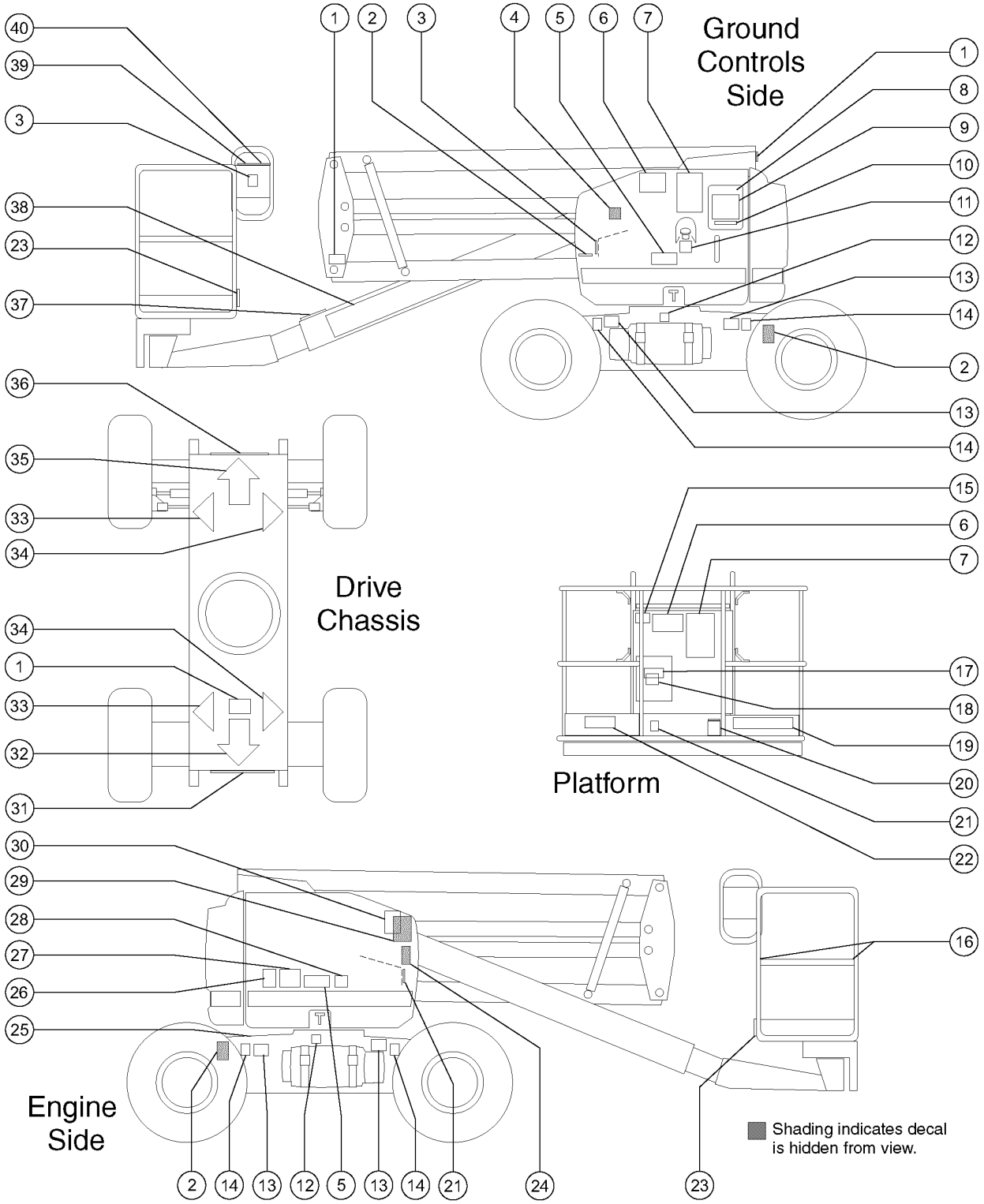
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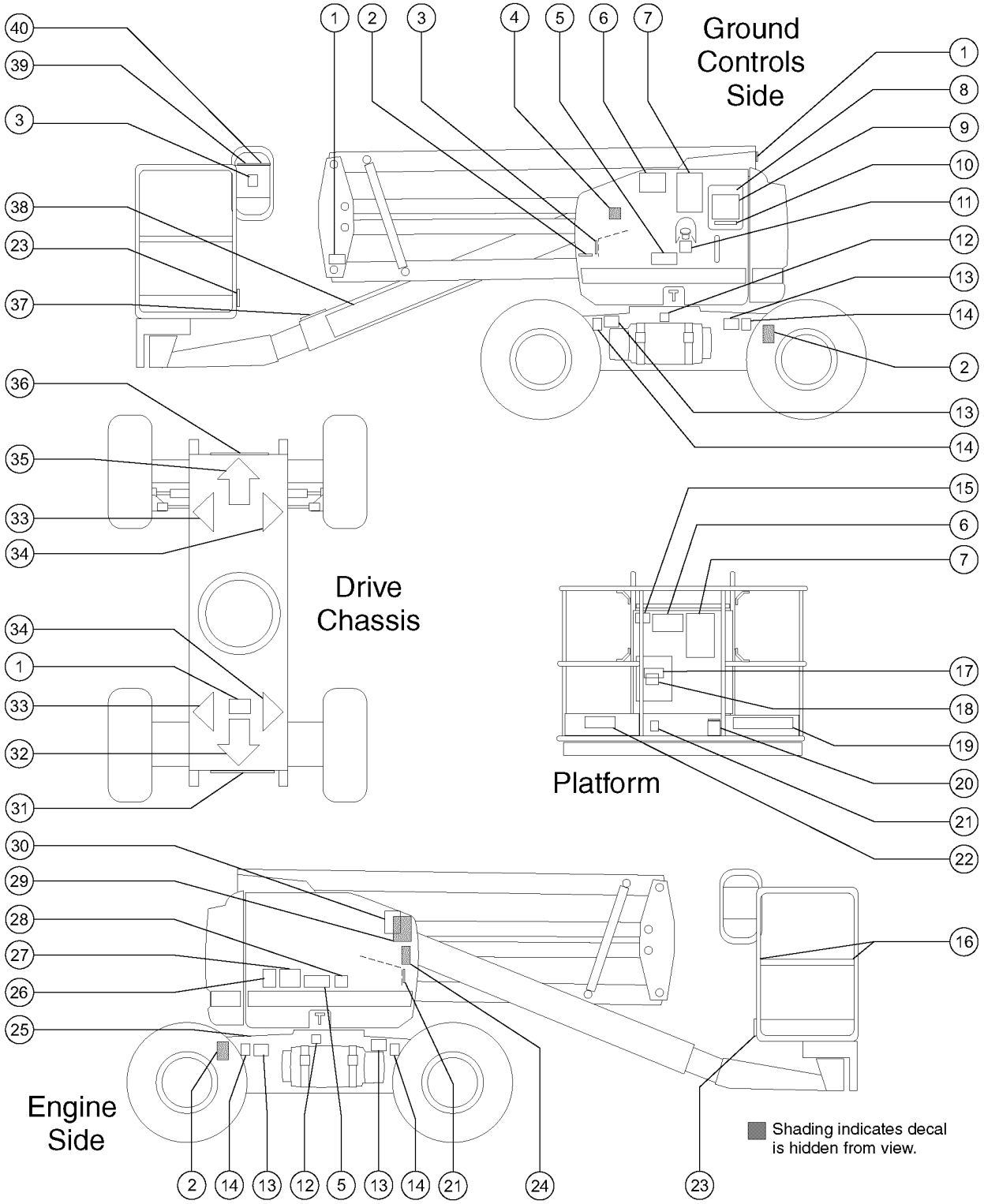
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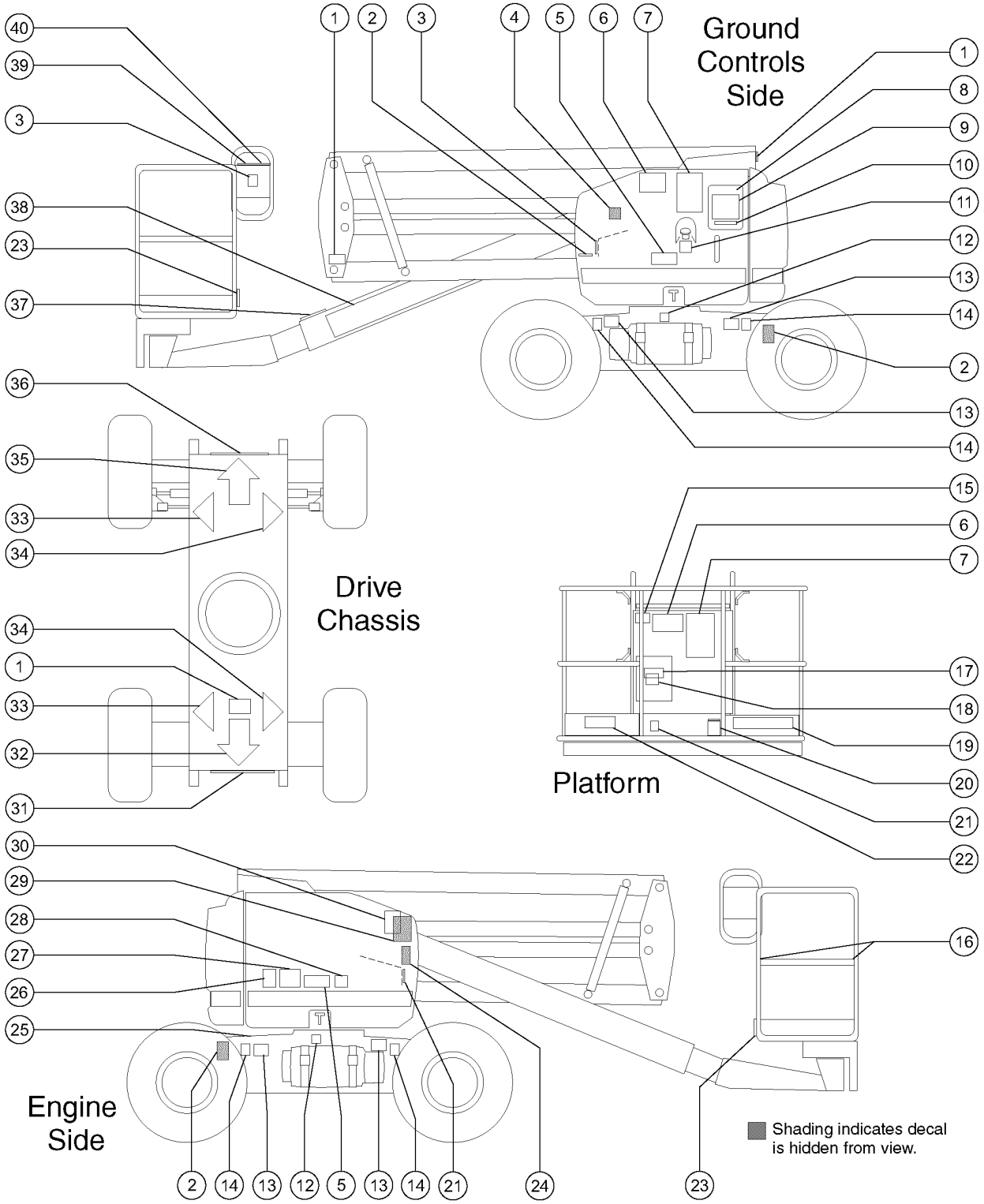
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Ground Controls Side
Drive Chassis
Platform
Engine Side
Shading indicates decal is hidden from view.

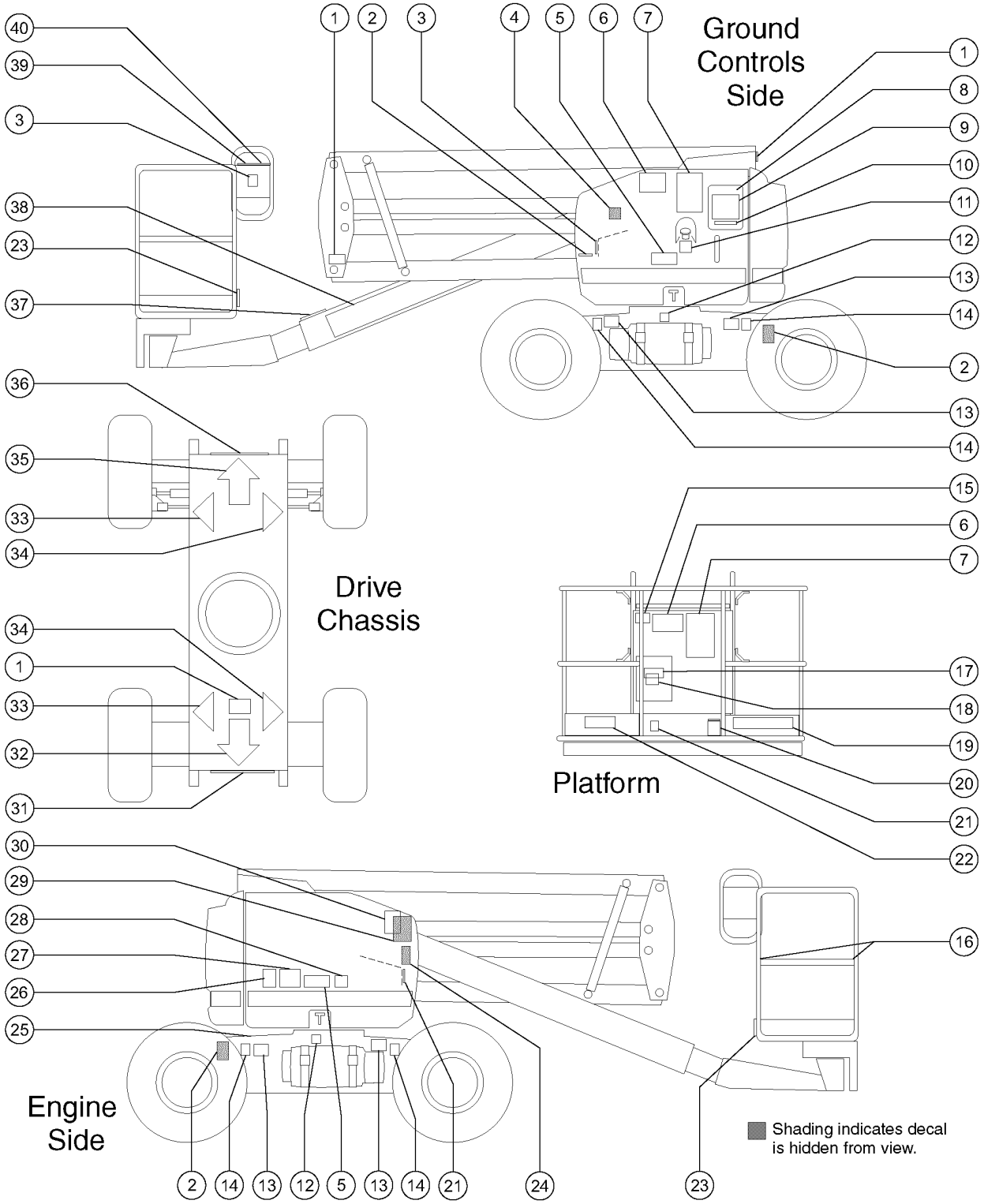
Item	Part No.	Description	Qty.
	82001GT	DECAL KIT,SFTY/INST.45IC,DSL Deutz models; kit does not include index numbers 3, 4, 8, 12, 13, 14, 21, 22, 24, 29, 30, 31, 36, 38 and 40; to SN 16867	
	82003GT	DECAL KIT,SFTY/INST.45IC,DSL Deutz and Perkins models; kit does not include index numbers 3, 4, 8, 12, 13, 14, 21, 22, 24, 29, 30, 31, 36, 38 and 40; from SN 16868	
	82000GT	DECAL KIT,SFTY/INSTR.GASZ45 Ford models; kit does not include index numbers 3, 4, 13, 14, 21, 22, 24, 29, 30, 31, 36, 38 and 40; to SN 16867	
	82002GT	DECAL KIT,SFTY/INSTR.GASZ45 Ford models; kit does not include index numbers 3, 4, 13, 14, 21, 22, 24, 29, 30, 31, 36, 38 and 40; from SN 16868	
	32150GT	PAINT, WET, GENIE BLUE (1 GL)**	
	1484GT	PAINT, AEROSOL, BRIGHT BLUE***	
	32151GT	PAINT, WET, GENIE GRAY (1GL)**	
	1268GT	PAINT, AEROSOL, GENIE GRAY***	
1	31060GT	DECAL,DANGER DO NOT ALTER SWTC	3
2	28161GT	DECAL,WARN,CRUSH HAZARD HAND	3
3	28235GT	DECAL,POWER TO PLATFORM 115V	2
3	28174GT	DECAL,POWER TO PLATFORM 230V	2
4	28157GT	DECAL,USE DEXRON*** to SN 20925	1
4	82366GT	DECAL,CHEVRON RANDO HD from SN 20926	1
5	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	2
6	43647GT	DECAL,NOTICE,OPER INST.IC***	2
7	97890GT	DECAL,DANGER,GEN SAFETY RULES	2
8	52607GT	DECAL,LABEL,TEST*** Ford Models	1
9	52511GT	DECAL,GROUND CONTROL PANEL to SN 16867	1
9	72442GT	DECAL, GROUND CONTROL PANEL from SN 16868	1
10	43663GT	DECAL,NOTICE, FUNCTION ENABLE*	1
11	28158GT	DECAL,LABEL,UNLEADED GAS ONLY	1
11	28159GT	DECAL,DIESEL	1
12	28160GT	DECAL,LABEL,LIQUID PROPANE Ford Models	2
13	52672GT	DECAL,DANGER,TIPOVER HAZARD***	4
13	43595GT	DECAL,DANGER,TIP-OVER,TIRES*** Narrow Models	4
14	52447GT	DECAL,NOTICE,TIRE SPECS***	4


Ground Controls Side
Drive Chassis
Platform
Engine Side
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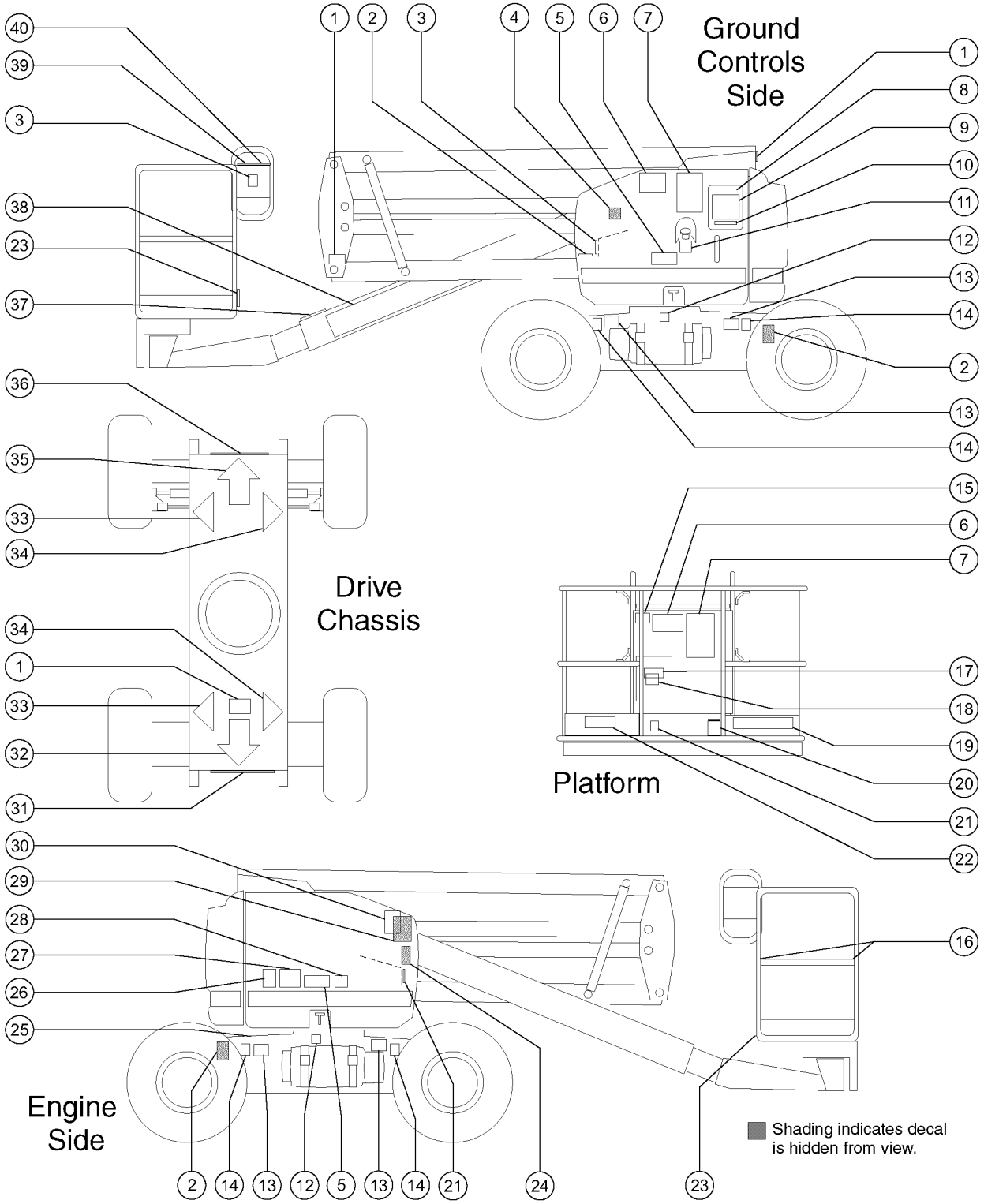
Item	Part No.	Description	Qty.
14	65301GT	DECAL,NOTICE,FOAM-FILLED TIRES Narrow Models	4
15	33952GT	DECAL,DANGER,TILT ALARM	1
16	40434GT	DECAL,LANYARD ANCHORAGE POINT	3
17	28236GT	DECAL,WARN,IMPROPER OPERATION	1
18	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
19	30080GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
20	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
21	44981GT	DECAL,LABEL,AIRLINE 110 PSI	2
22	97887GT	DECAL,INSTR,MAX SIDE FRC,ANSI ANSI and CSA Models	1
22	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS CE Models	1
23	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
24	49741GT	DECAL,NOTICE,FORD EFI ENG SPEC	1
24	52784GT	DECAL,NOTICE,DEUTZ ENG SPEC***	1
24	72085GT	DECAL,NOTICE,PERKINS ENG SPEC	1
25	25994GT	DECAL,NOTICE,SHUTOFF VALVES	1
26	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
27	28175GT	DECAL,WARNING-COMPART ACCESS	1
28	28171GT	DECAL,DANGER,NO SMOKING ***	1
29	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
30	77183GT	FILM,POLY,CLEAR,4.5 X 8.75	1
31	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
31	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
32	27205GT	DECAL,ARROW YELLOW LRG 9"	1
33	27206GT	DECAL,TRIANGLE,BLUE	2
34	27207GT	DECAL,TRIANGLE,YELLOW	2
35	27204GT	DECAL,ARROW BLUE	1
36	52968GT	DECAL,COSMETIC,GENIE BOOM,VERT	1
37	28181GT	DECAL,WARN,FALL HAZARD	1


Ground Controls Side
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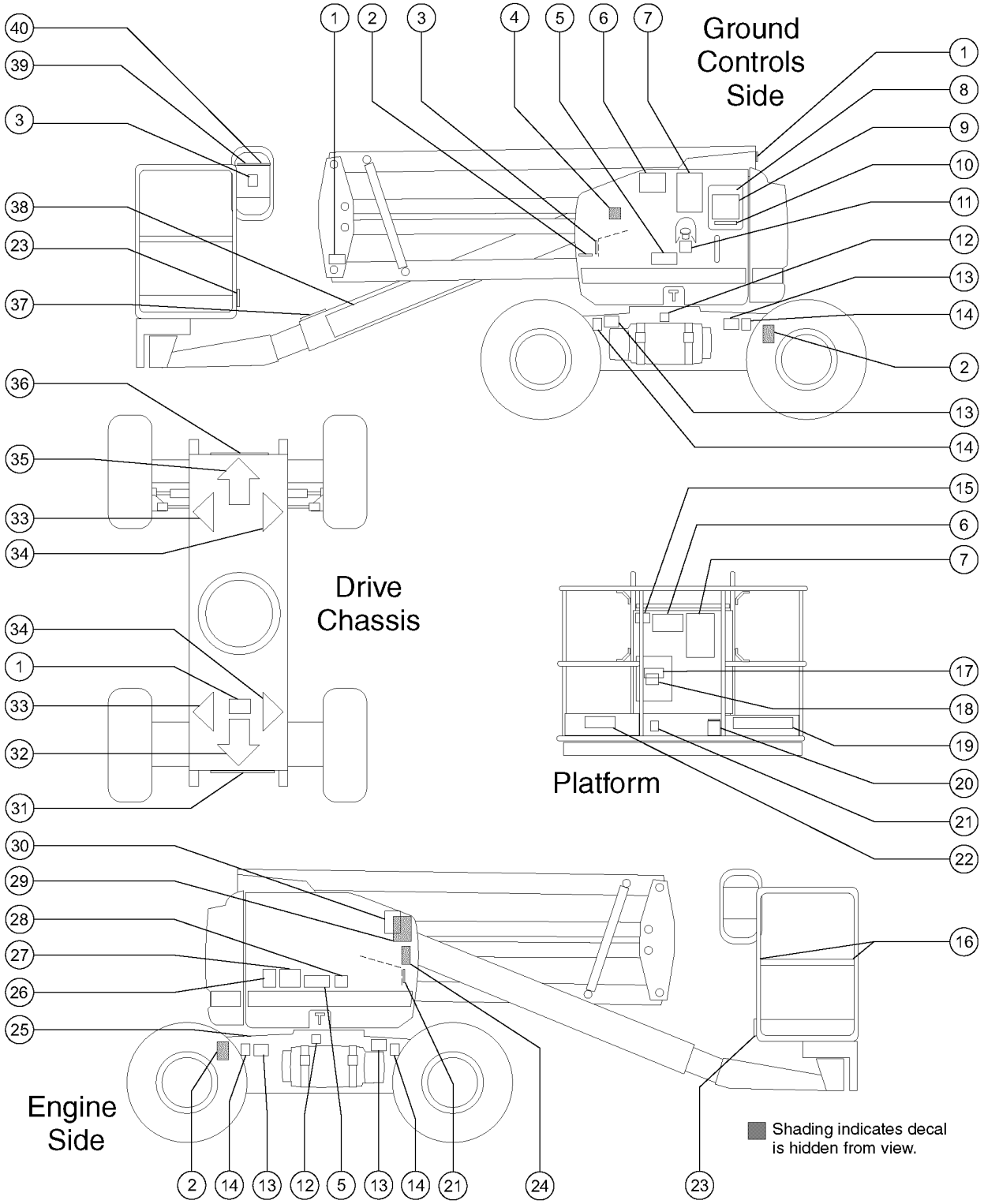
Item	Part No.	Description	Qty.
38	62927GT	DECAL,COSMETIC,GENIE Z-45/25	1
39	52230GT	DECAL,PLATFORM CTRL PANEL*** models with red cover switch; to SN 16867	1
39	72441GT	DECAL,PLATFORM CONTROL PANEL** models without red cover switch; from SN 16868	1
39	32726GT	DECAL,OPTION GLOW PLUGS*** Diesel models	1
39	32728GT	DECAL,OPTION GENERATOR***	1
39	72867GT	DECAL,LABEL,LIGHTS***	1
39	44769GT	DECAL,LABEL,LFT/DRV SELECT to SN 10633	1
40	52251GT	DECAL,PROTECTOR,CLEAR,PLATE***	1


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Item	Part No.	Description	Qty.
	82001GT	DECAL KIT,SFTY/INST.45IC,DSL Deutz models; kit does not include index numbers 3, 4, 8, 12, 13, 14, 21, 22, 24, 29, 30, 31, 36, 38 and 40; to SN 16867	
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	1268GT	PAINT, AEROSOL, GENIE GRAY***	
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2	28161GT	DECAL,WARN,CRUSH HAZARD HAND	3
3	28235GT	DECAL,POWER TO PLATFORM 115V	2
3	28174GT	DECAL,POWER TO PLATFORM 230V	2
4	28157GT	DECAL,USE DEXRON*** to SN 20925	1
4	82366GT	DECAL,CHEVRON RANDO HD from SN 20926	1
5	27564GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	2
6	43647GT	DECAL,NOTICE,OPER INST.IC***	2
7	97890GT	DECAL,DANGER,GEN SAFETY RULES	2
8	52607GT	DECAL,LABEL,TEST*** Ford Models	1
9	52511GT	DECAL,GROUND CONTROL PANEL to SN 16867	1
9	72442GT	DECAL, GROUND CONTROL PANEL from SN 16868	1
10	43663GT	DECAL,NOTICE, FUNCTION ENABLE*	1
11	28158GT	DECAL,LABEL,UNLEADED GAS ONLY	1
11	28159GT	DECAL,DIESEL	1
12	28160GT	DECAL,LABEL,LIQUID PROPANE Ford Models	2
13	52672GT	DECAL,DANGER,TIPOVER HAZARD***	4
13	43595GT	DECAL,DANGER,TIP-OVER,TIRES*** Narrow Models	4
14	52447GT	DECAL,NOTICE,TIRE SPECS***	4

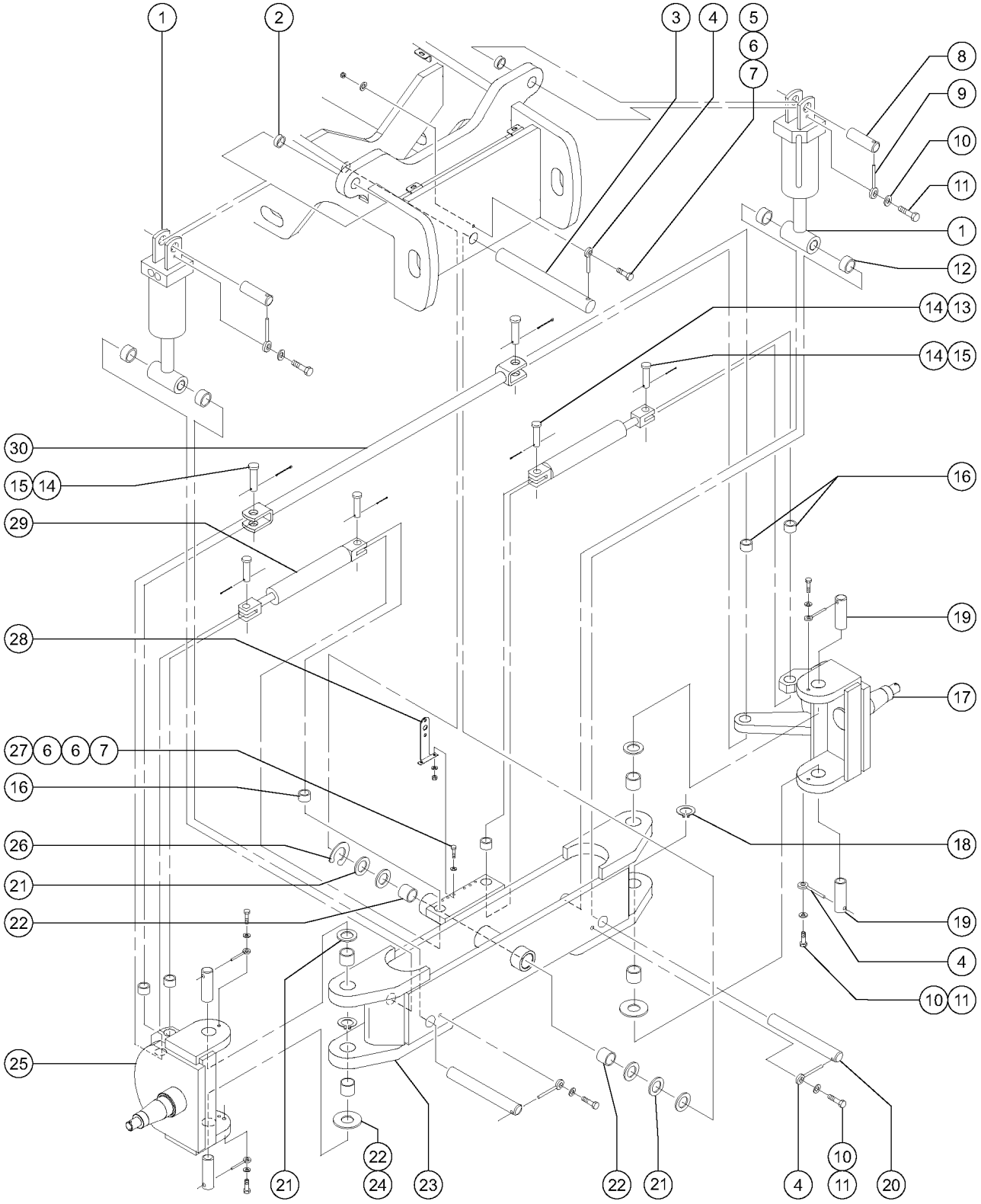

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14	65301GT	DECAL,NOTICE,FOAM-FILLED TIRES Narrow Models	4
15	33952GT	DECAL,DANGER,TILT ALARM	1
16	40434GT	DECAL,LANYARD ANCHORAGE POINT	3
17	28236GT	DECAL,WARN,IMPROPER OPERATION	1
18	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
19	30080GT	DECAL,NOTICE,MAX LOAD 500 LBS	1
20	28165GT	DECAL,INSTRUCT,FOOTSWITCH OPER	1
21	44981GT	DECAL,LABEL,AIRLINE 110 PSI	2
22	97887GT	DECAL,INSTR,MAX SIDE FRC,ANSI ANSI and CSA Models	1
22	44986GT	DECAL,INSTR,SIDE FRC/WIND,AUS CE Models	1
23	28177GT	DECAL,WARN,CRUSH HAZARD PLAT	2
24	49741GT	DECAL,NOTICE,FORD EFI ENG SPEC	1
24	52784GT	DECAL,NOTICE,DEUTZ ENG SPEC***	1
24	72085GT	DECAL,NOTICE,PERKINS ENG SPEC	1
25	25994GT	DECAL,NOTICE,SHUTOFF VALVES	1
26	28164GT	DECAL,NOTICE,HAZARDOUS MAT'LS*	1
27	28175GT	DECAL,WARNING-COMPART ACCESS	1
28	28171GT	DECAL,DANGER,NO SMOKING ***	1
29	77046GT	SERIAL # LABEL,MYLAR 4X8***	1
30	77183GT	FILM,POLY,CLEAR,4.5 X 8.75	1
31	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
31	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
32	27205GT	DECAL,ARROW YELLOW LRG 9"	1
33	27206GT	DECAL,TRIANGLE,BLUE	2
34	27207GT	DECAL,TRIANGLE,YELLOW	2
35	27204GT	DECAL,ARROW BLUE	1
36	52968GT	DECAL,COSMETIC,GENIE BOOM,VERT	1
37	28181GT	DECAL,WARN,FALL HAZARD	1


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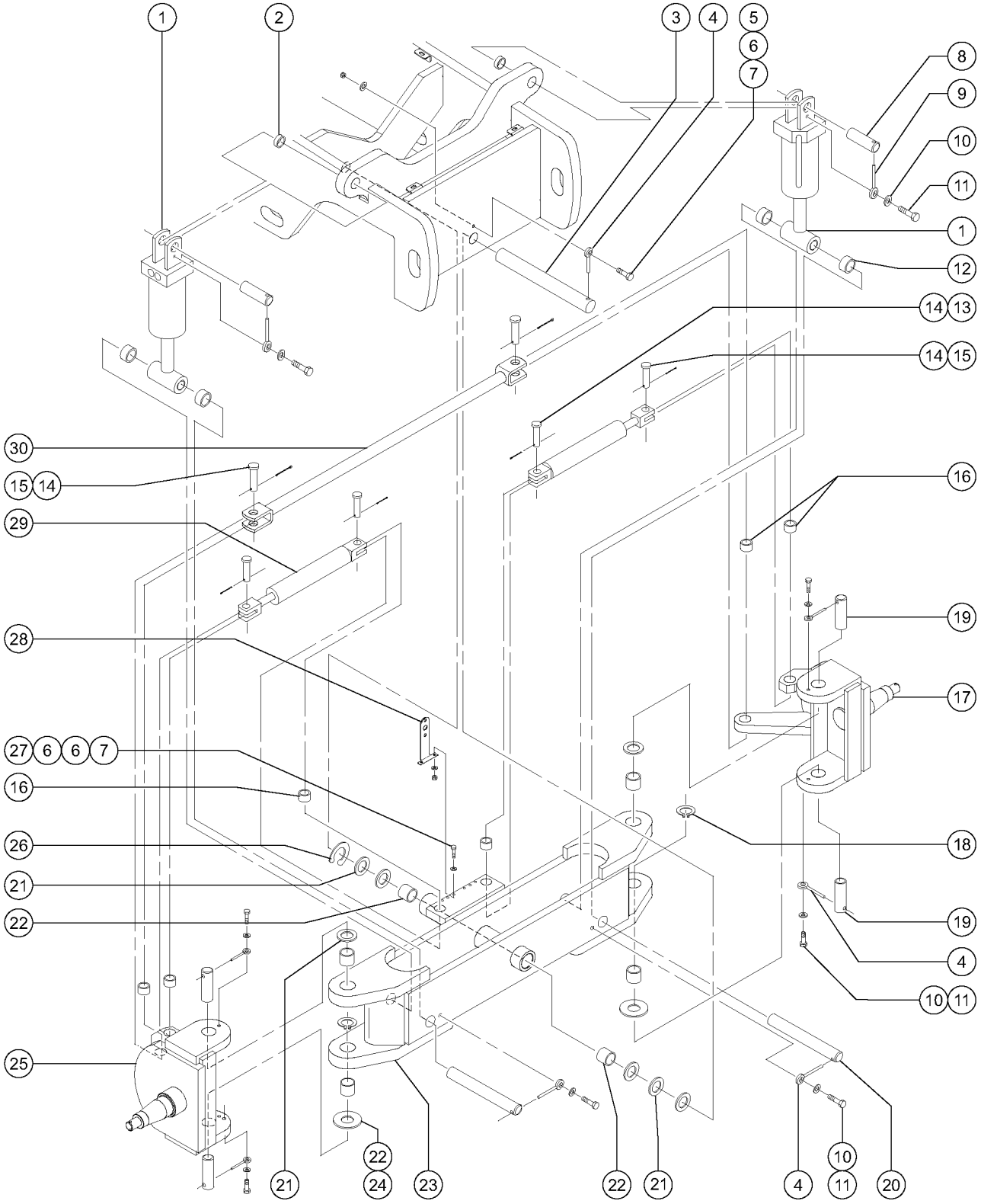
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38	62926GT	DECAL,COSMETIC,GENIE Z-45/25J	1
39	52230GT	DECAL,PLATFORM CTRL PANEL*** models with red cover switch; to SN 16867	1
39	72441GT	DECAL,PLATFORM CONTROL PANEL** models without red cover switch; from SN 16868	1
39	32726GT	DECAL,OPTION GLOW PLUGS*** Diesel models	1
39	32728GT	DECAL,OPTION GENERATOR***	1
39	72867GT	DECAL,LABEL,LIGHTS***	1
39	44769GT	DECAL,LABEL,LFT/DRV SELECT to SN 10633	1
40	52251GT	DECAL,PROTECTOR,CLEAR,PLATE***	1

201.1 Steer Axle Linkage - Oscillate Models



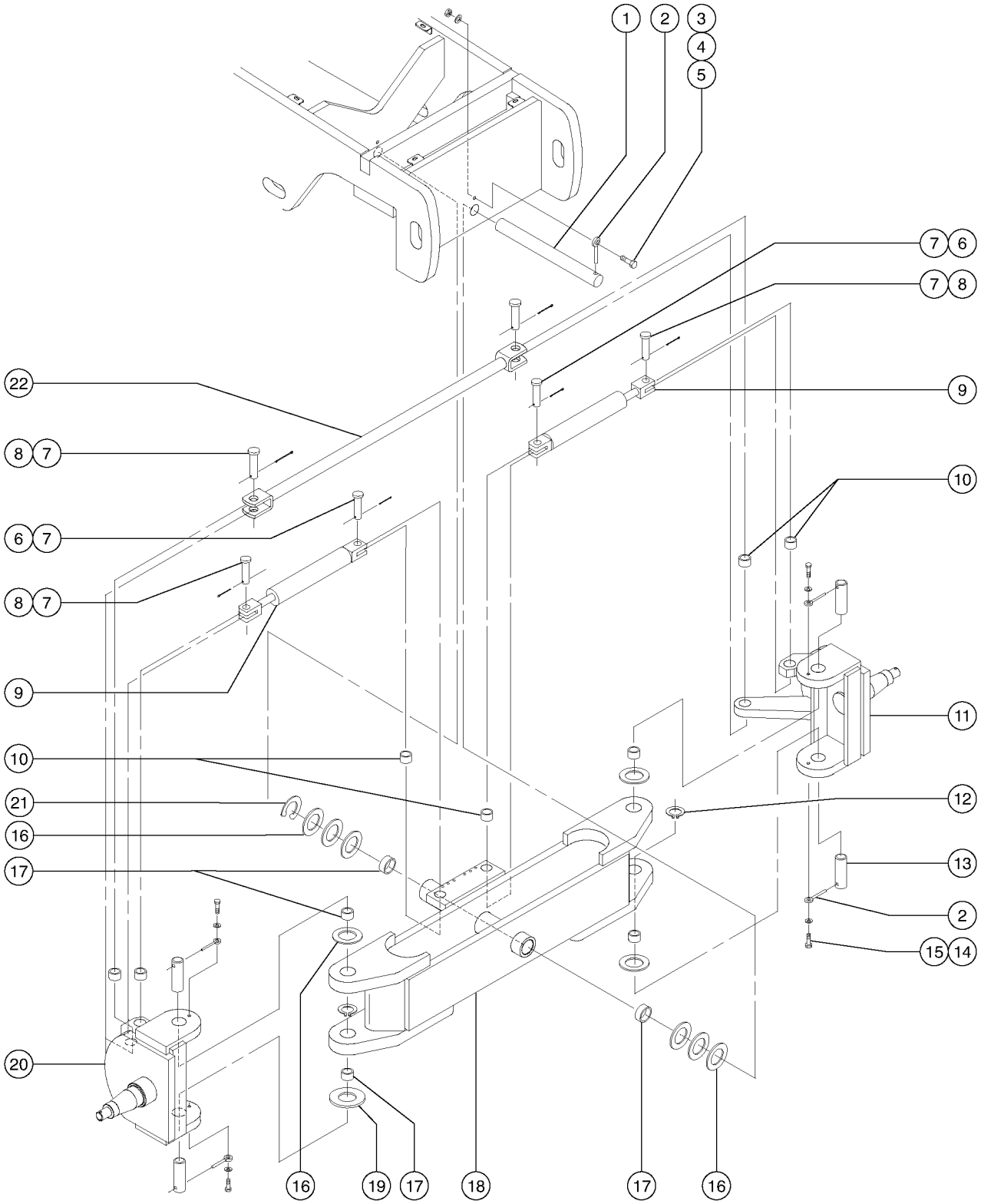
Item	Part No.	Description	Qty.
1	54567GT	CYLINDER,OSCILLATE,Z45*** includes 2 each index number 12	2
1-	65791GT	SEAL KIT,CYL,Z45 (54567) for cylinder 54567	2
1-	77409GT	VALVE,COUNTERBALANCE,1000 ATM	2
1-	52759GT	SEAL KIT,50316 CYLINDER for cylinder 50316	2
1-	147285GT	SEAL KIT,147261 for cylinder 147261	
2	50560GT	BEARING,1.25IDX1.50ODX1.50L	2
3	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
4	825019GT	ROD END, .375X3.69, ZAG	7
5	6708GT	SCREW,HHC,3/8-16 X 2.25	1
6	5397GT	WASHER, FLAT, USS, 5/16-18	7
7	4828GT	NUT, NYLOCK, 3/8-16	3
8	50742GT	PIN,1.25DIAX3.75LG,1HOLE	2
9	1255452GT	ROD END,.375 X 2.25,ZAG	2
10	6021GT	WASHER, LOCK, .375	8
11	6175GT	SCREW,HHC,3/8-16 X 1	8
12	25683GT	BEARING,POLYGON,20DU12	4
13	32399GT	PIN,CLEVIS,1 X 3 LG. to SN 20458	2
13	19440GT	PIN,CLEVIS,1 X 2.5 LG from SN 20459	2
14	74389GT	RUE RING 1.00	6
15	19440GT	PIN,CLEVIS,1 X 2.5 LG	4
16	25817GT	BEARING,1.00IDX1.25ODX1.00L	6
17	52733-SGT	YOKE ASSY.LH'2WD'Z45IC includes 2 each index number 16	1
18	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	2
19	88752GT	PIN,1.50DIAX4.25LG,GR/H	4
20	36198GT	PIN,1.25DIAX8.12LG,1HOLE	2
21	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	7
22	45071GT	BEARING,1.5IDX1.75ODX1.5L	6
23	52706-SGT	FRONT AXLE ASSY,WIDE,Z45/25 IC includes index number 22 and 2 each of index number 16	1

201.1 Steer Axle Linkage - Oscillate Models



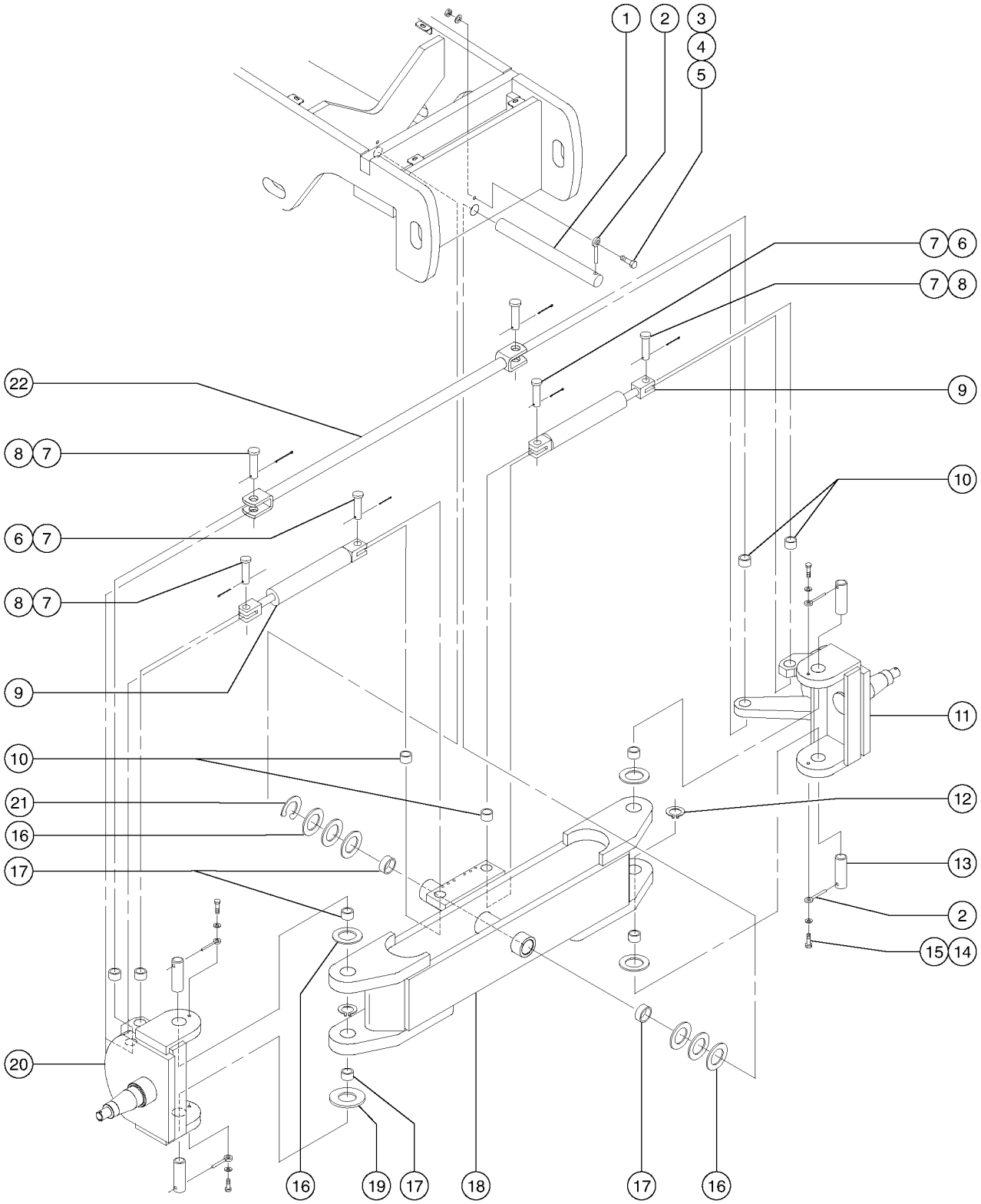
Item	Part No.	Description	Qty.
24	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
25	52734-SGT	YOKE ASSY.RH'2WD'Z45IC includes 2 each index number 16	1
26	54557GT	SHIM,AXLE PIN,1.50"	1
27	5224GT	SCREW,HHC,3/8-16 X 2	2
28	50900GT	BRACKET,OSC HOSE BULKHEAD	1
29	88337GT	CYLINDER,STEER	2
29	88338GT	SEAL KIT, 88337 for cylinder 88337	
29	52739GT	SEAL KIT (60064) for cylinder 60064	
29	59169GT	SEAL KIT,2" BORE,1" ROD*** for cylinder 59156, 59301 and 59341	
29	59076GT	SEAL KIT,2.0" BORE CYLINDERS** for cylinder 59049	
30	50328-SGT	TIE ROD WELDMENT	1

202.1 Steer Axle Linkage - Non-oscillate Models



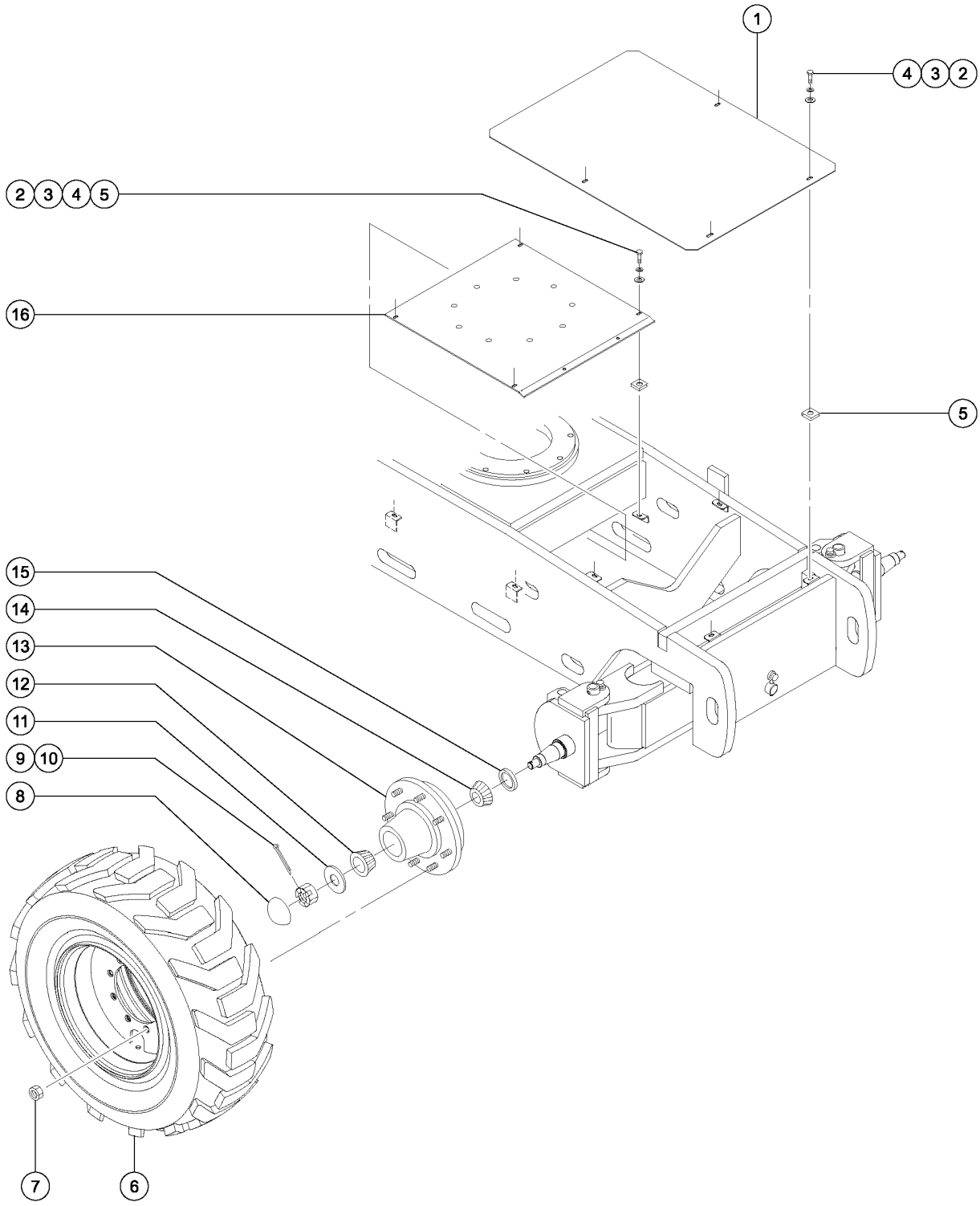
Item	Part No.	Description	Qty.
1	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
2	825019GT	ROD END, .375X3.69, ZAG	5
3	6708GT	SCREW,HHC,3/8-16 X 2.25	1
4	5397GT	WASHER, FLAT, USS, 5/16-18	1
5	4828GT	NUT, NYLOCK, 3/8-16	1
6	32399GT	PIN,CLEVIS,1 X 3 LG. to SN 20458	2
6	19440GT	PIN,CLEVIS,1 X 2.5 LG from SN 20459	2
7	74389GT	RUE RING 1.00	6
8	19440GT	PIN,CLEVIS,1 X 2.5 LG	4
9	88337GT	CYLINDER,STEER	2
9	88338GT	SEAL KIT, 88337 for cylinder 88337	
9	52739GT	SEAL KIT (60064) for cylinder 60064	
9	59076GT	SEAL KIT,2.0" BORE CYLINDERS** for cylinder 59049 and 59203	
9	59169GT	SEAL KIT,2" BORE,1" ROD*** for cylinder 59155, 59156, 59301, 59341 and 59388	
9	48401GT	SEAL KIT,42406,STEER.CYL,TEXAS for cylinder 74957	
10	25817GT	BEARING,1.00IDX1.25ODX1.00L	6
11	52733-SGT	YOKE ASSY.LH'2WD'Z45IC includes 2 each index number 10	1
12	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	2
13	88752GT	PIN,1.50DIAX4.25LG,GR/H	4
14	6175GT	SCREW,HHC,3/8-16 X 1	4
15	6021GT	WASHER, LOCK, .375	4
16	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	7
17	45071GT	BEARING,1.5IDX1.75ODX1.5L	6
18	52706-SGT	FRONT AXLE ASSY,WIDE,Z45/25 IC Wide Models; includes 2 each of index number 10 and 6 each of index number 17	1
18	52735GT	FRONT AXLE ASSY,NRRW,Z45/25 Narrow Models; includes 2 each of index number 10 and 6 each of index number17	1
19	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
20	52734-SGT	YOKE ASSY.RH'2WD'Z45IC includes 2 each of index number 10	1
21	54557GT	SHIM,AXLE PIN,1.50"	1

202.1 Steer Axle Linkage - Non-oscillate Models



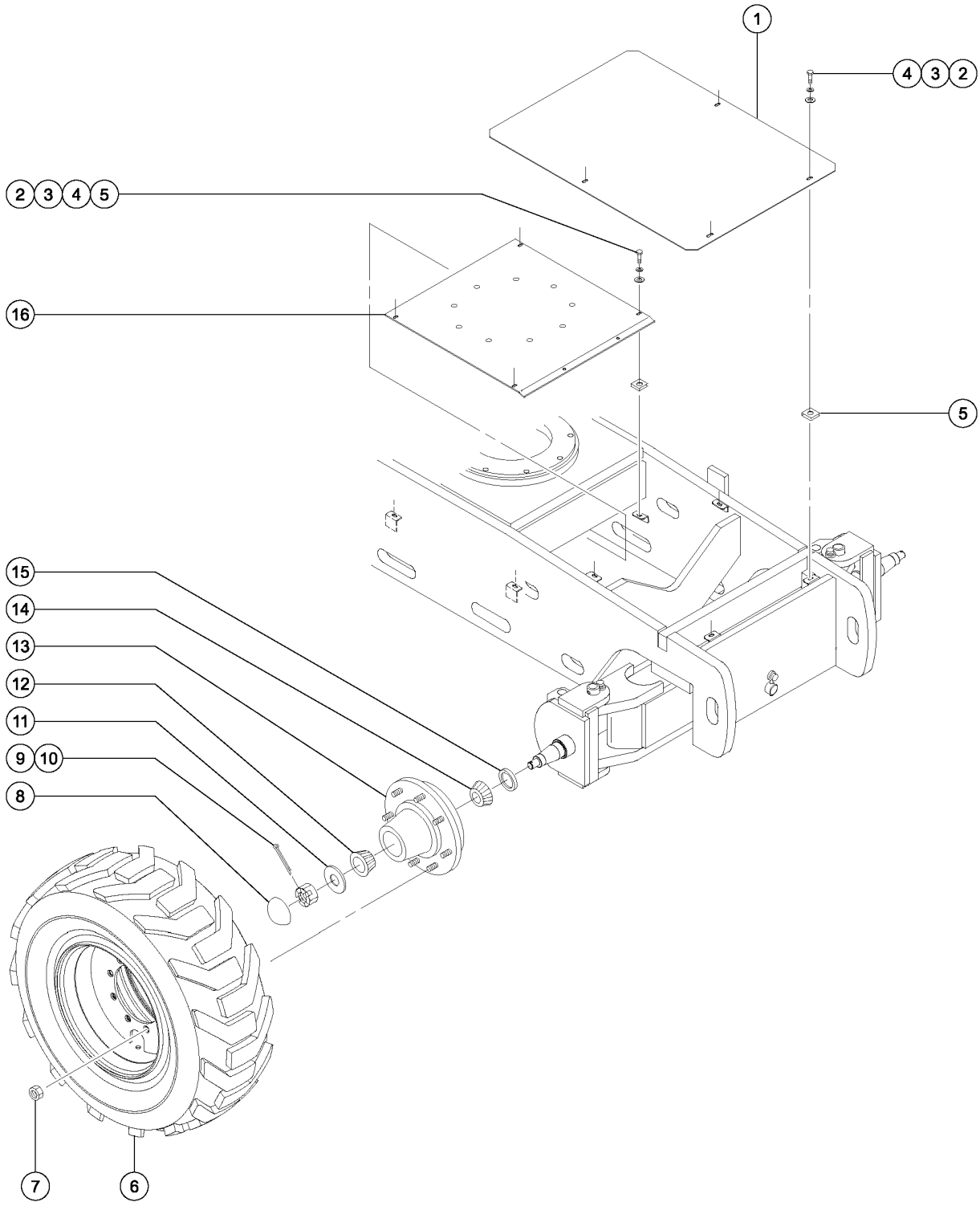
Item	*Part No.*	*Description*	*Qty.*
22	50328-SGT	TIE ROD WELDMENT Wide Models	1
22	229798GT	TIE ROD WELDMENT, NARROW	1

203.1 Steer Axle Wheels and Hubs



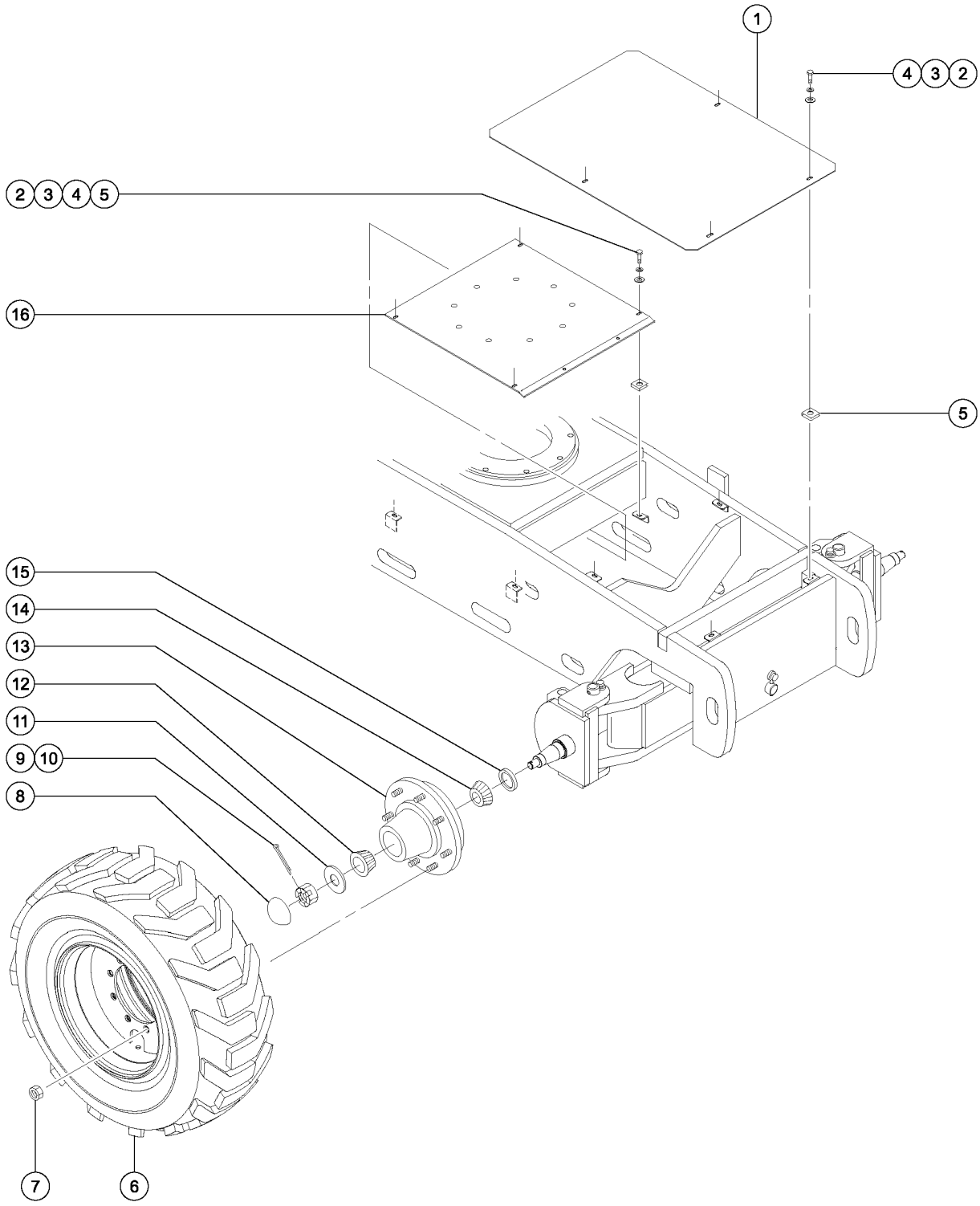
Item	Part No.	Description	Qty.
1	77434GT	COVER W/DECALS,STEER,NON OSC Shown; Non-oscillate Models	1
1	52731GT	COVER W/DECALS,STEER,OSC,Z45 Oscillate Models	1
2	6888GT	SCREW, HHC, 1/4-20 X 1	8
3	6356GT	WASHER, LOCK, .25	8
4	6638GT	WASHER, FLAT, USS, 1/4"Y	8
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	8
6	50944GT	WHEEL & TIRE ASSY,RF,2WD to SN 16127; RT, Air-filled	2
6	50954GT	WHEEL & TIRE ASSY,LF,2WD to SN 16127; RT, Air-filled	
6		WHEEL & TIRE ASSY,RF,2WD,FOAM to SN 16127; RT, Foam-filled. (no longer avialable,contact customer service)	
6		WHEEL & TIRE ASSY,LF,2WD,FOAM to SN 16127; RT, Foam-filled. (no longer avialable,contact customer service)	
6	54142GT	TIRE & WHEEL ASSY,8 ON 8,FOAM to SN 16127; Industrial, Foam-filled	
6	54237GT	TIRE ASSY,8 ON 8,N/MARK,FOAM to SN 16127; Industrial, Foam-filled, Non-marking	
6		WHEEL&TIRE,RF,AIR,RT,N/MARK2WD to SN 16127; RT, Air-filled, Non-marking. (no longer avialable,contact customer service)	
6		WHEEL&TIRE,LF,AIR,RT,N/MARK2WD to SN 16127; RT, Air-filled, Non-marking. (no longer avialable,contact customer service)	
6		WHEEL&TIRE,RF,FOA,RT,N/MARK2WD (no longer available)	
6		WHEEL&TIRE,LF,FOA,RT,N/MARK2WD to SN 16127; RT, Foam-filled, Non-marking. (no longer avialable,contact customer service)	
6	60059GT	TIRE,14-17.5 NHS,RT,14PLY,112# to SN 16127; RT	
6	54614GT	TIRE,14-17.5,NHS,N/MARK,14PLY to SN 16127; RT, Non-marking	
6	54140GT	TUBELESS PNEUMATIC TIRE,9-14LT to SN 16127; Industrial	
6	54234GT	TUBELESS TIRE,9-14.5,NON-M 47# to SN 16127; Industrial, Non-marking	
6	50943GT	WHEEL,17.50 X 10.5,8 HOLE/8 BC	
6	54138GT	WHEEL,14.5 X 7 (8 ON 8 BC) 31#	
6	50920GT	WHEEL/TIRE ASSEMBLY,RR/LF 248# from SN 16128; RT, Air-filled	2
6	50955GT	WHEEL & TIRE ASSY,LR/RF 248# from SN 16128; RT, Air-filled	
6	60085GT	WHEEL &TIRE ASSEMBLY,RR/LF,FM from SN 16128; RT, Foam-filled	
6	60084GT	WHEEL &TIRE ASSEMBLY,LR/RF,FM from SN 16128; RT, Foam-filled	
6	1267779GT	TIRE/WH ASSY,9 LG,FOAM,S FRONT from SN 16128; Industrial, Foam-filled (steer end)	
6	1267781GT	TIRE/WH ASSY,9 LG,NM,FOAM,S FR from SN 16128; Industrial, Foam-filled, Non-marking (steer end)	

203.1 Steer Axle Wheels and Hubs



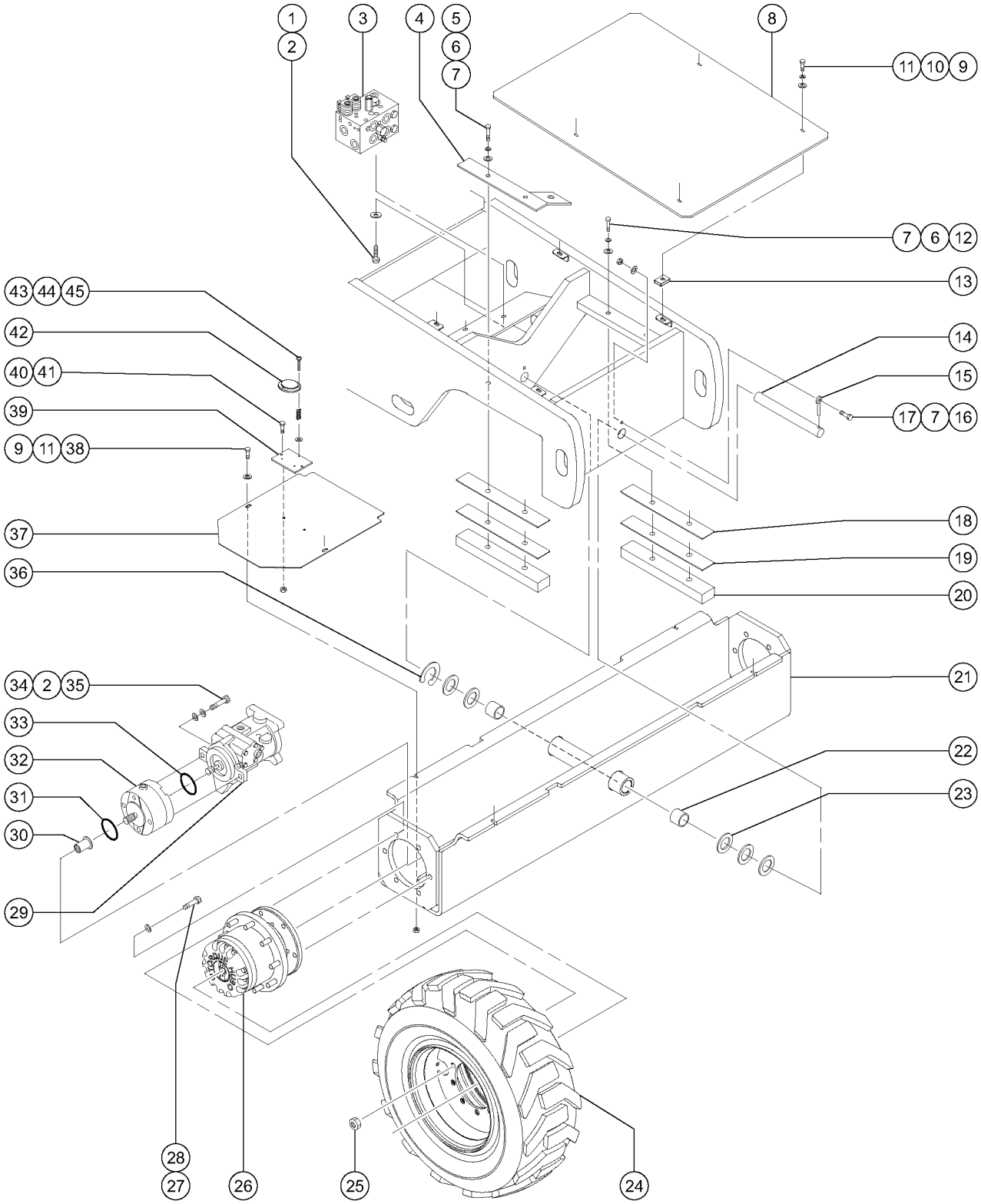
Item	Part No.	Description	Qty.
6	54611GT	WHEEL&TIRE,LR/RF,AIR,RT,N/MARK from SN 16128; RT, Air-filled, Non-marking	
6	54610GT	WHEEL&TIRE,RR/LF,AIR,RT,N/MARK from SN 16128; RT, Air-filled, Non-marking	
6		WHEEL&TIRE,RR/LF,FOA,RT,N/MARK No longer used. replaced by 94670	
6	94670GT	WHEEL & TIRE ASSY,RR/LF,FF,NM from SN 16128; RT, Foam-filled, Non-marking	
6		WHEEL&TIRE,LR/RF,FOA,RT,N/MARK from SN 16128; RT, Foam-filled, Non-marking. (NO LONGER AVAILABLE , REPLACED BY 94671)	
6B	94671GT	WHEEL & TIRE ASSY,LR/RF,FF,NM from SN 16128; RT, Foam-filled, Non-marking.	
6	60059GT	TIRE,14-17.5 NHS,RT,14PLY,112# from SN 16128; RT	
6	54614GT	TIRE,14-17.5,NHS,N/MARK,14PLY from SN 16128; RT, Non-marking	
6	54140GT	TUBELESS PNEUMATIC TIRE,9-14LT from SN 16128; Industrial	
6	54234GT	TUBELESS TIRE,9-14.5,NON-M 47# from SN 16128; Industrial, Non-marking	
6	50919GT	WHEEL,17.50 X 10.5(9 HOLES)63#	
6	54139GT	WHEEL,14.5 X 7	
7	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	18
7	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	16
8	54959GT	CAP,DUST (54840 HUB ASSY)	2
9	45114GT	PIN,COTTER,.219 X 1.75	2
10	45113GT	NUT,SPINDLE,1-14	2
11	45112GT	WASHER,SPINDLE	2
12	54962GT	BEARING,OUTER,9 BOLT HUB***	2
13A	45043GT	HUB ASSEMBLY MODEL#60-8*** includes index numbers 9, 10, 12, 14 and 15; to SN 16127	2
13A-	21166GT	LUG BOLT,5/8-18,WHEEL HUB***	6
13A-	45873GT	SEAL/BEARING KIT (45043,54840) includes index numbers 12, 14 and 15	2
13B	54840GT	HUB ASSEMBLY,9 BOLT*** includes index numbers 9, 10, 12, 14 and 15; from SN 16128	2
13B-	21166GT	LUG BOLT,5/8-18,WHEEL HUB***	
13B-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	
13B-	45873GT	SEAL/BEARING KIT (45043,54840) includes index numbers 12, 14 and 15	2
14	54961GT	BEARING,INNER,9 BOLT HUB***	2
15	54960GT	SEAL-GREASE,9-BOLT HUB 54840	2

203.1 Steer Axle Wheels and Hubs



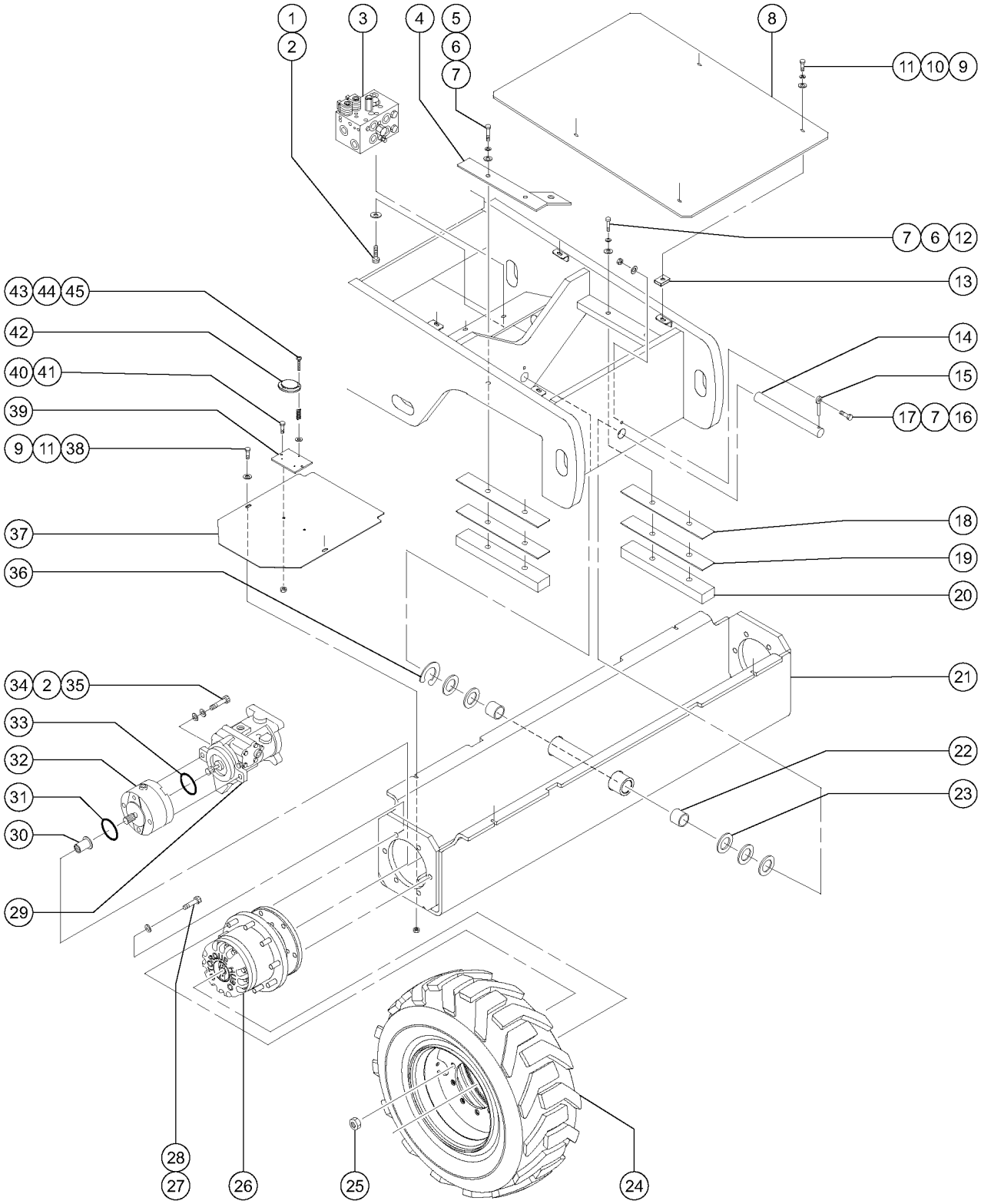
Item	*Part No.*	*Description*	*Qty.*
16	50028PGT	FORMING,BELLY PAN,PAINTED	1

204.1 Non-steer Axle



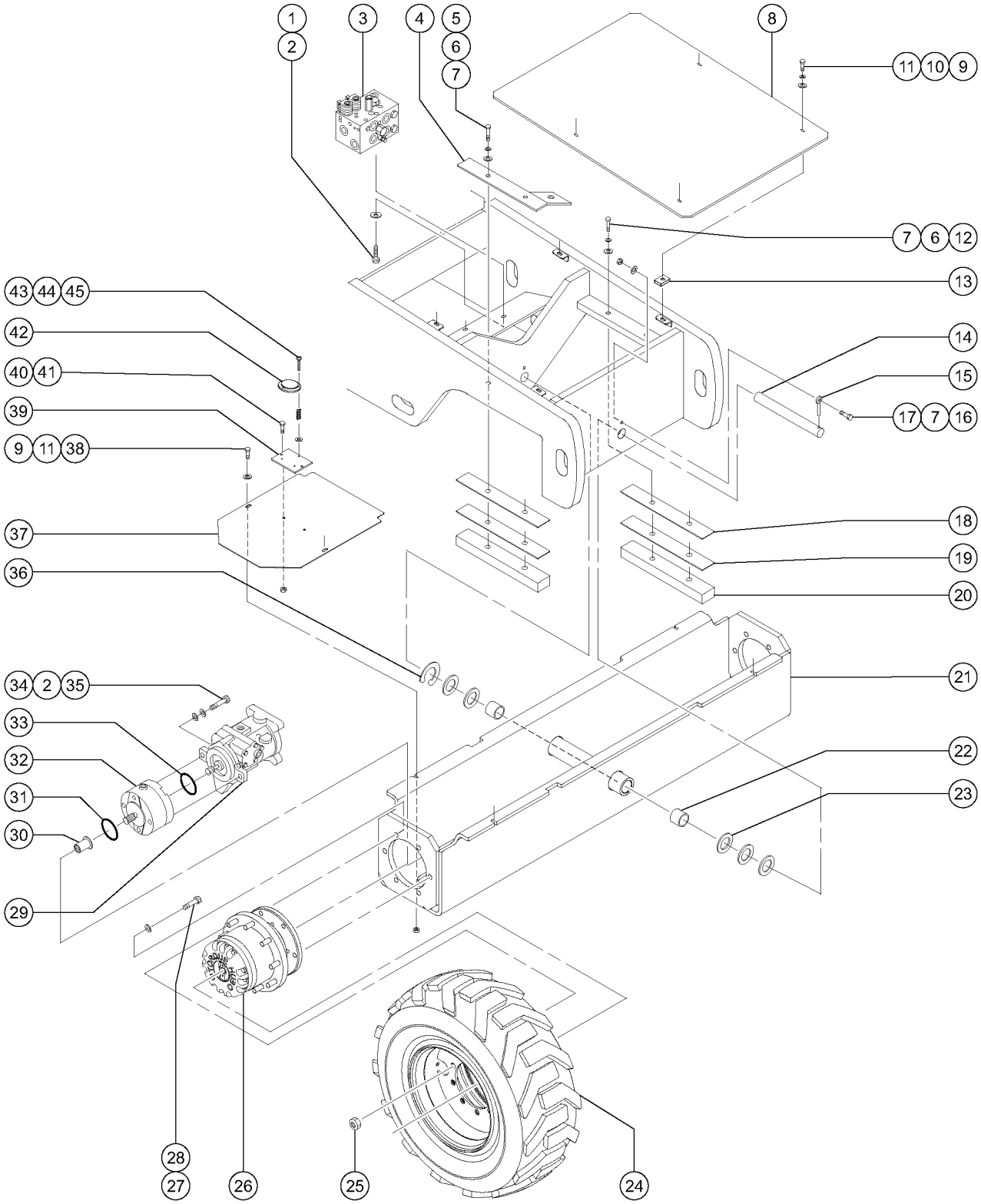
Item	Part No.	Description	Qty.
1	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	2
2	6033GT	WASHER,LOCK,0.5"	2
3		Ref. Manifold - Drive, 2WD (refer to Figure 2-E)	2
4		Ref., PLATE,BRACKET,OSC VALVE Oscillate models (refer to 206.1)	1
5	6708GT	SCREW,HHC,3/8-16 X 2.25 Non-oscillate models	2
5-	14033GT	SCREW, HHC, 3/8-16 X 2.75 Oscillate models	2
6	6021GT	WASHER, LOCK, .375	4
7	5397GT	WASHER, FLAT, USS, 5/16-18	5
8	52707-SGT	COVR W/DECALS,NON-STEER Z45/25	1
9	6888GT	SCREW, HHC, 1/4-20 X 1	8
10	6356GT	WASHER, LOCK, .25	4
11	6638GT	WASHER, FLAT, USS, 1/4"Y	8
12	6708GT	SCREW,HHC,3/8-16 X 2.25	3
13	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
14	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
15	825019GT	ROD END, .375X3.69, ZAG	1
16	6175GT	SCREW,HHC,3/8-16 X 1	1
17	4828GT	NUT, NYLOCK, 3/8-16	1
18	50669GT	SHIM,AXLE ROTATION STOP,22GA	2
19	119210GT	SHIM,AXLE ROTATION STOP,12GA	2
20	50668GT	BAR,AXLE ROTATION STOP,NON-OSC Non-oscillate models	2
20-	50667GT	BAR,AXLE ROTATION STOP,OSC Oscillate models	2
21A	52727GT	AXLE ASSY,NON-STR,WIDE BASE includes 2 each of index number 22; to SN 17543	1
21A-	77243GT	FORMED AXLE,WIDE,W/BEARINGS includes 2 each of number index 22; from SN 17544	1
21B	52732GT	AXLE ASSY,NON-STR,NARROW BASE includes 2 each of index number 22; to SN 17543	1
21B-	77302GT	AXLE ASSY,NON-STR,NARROW BASE includes 2 each of number index 22; from SN 17544	1
22	45071GT	BEARING,1.5IDX1.75ODX1.5L	2
23	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	7

204.1 Non-steer Axle



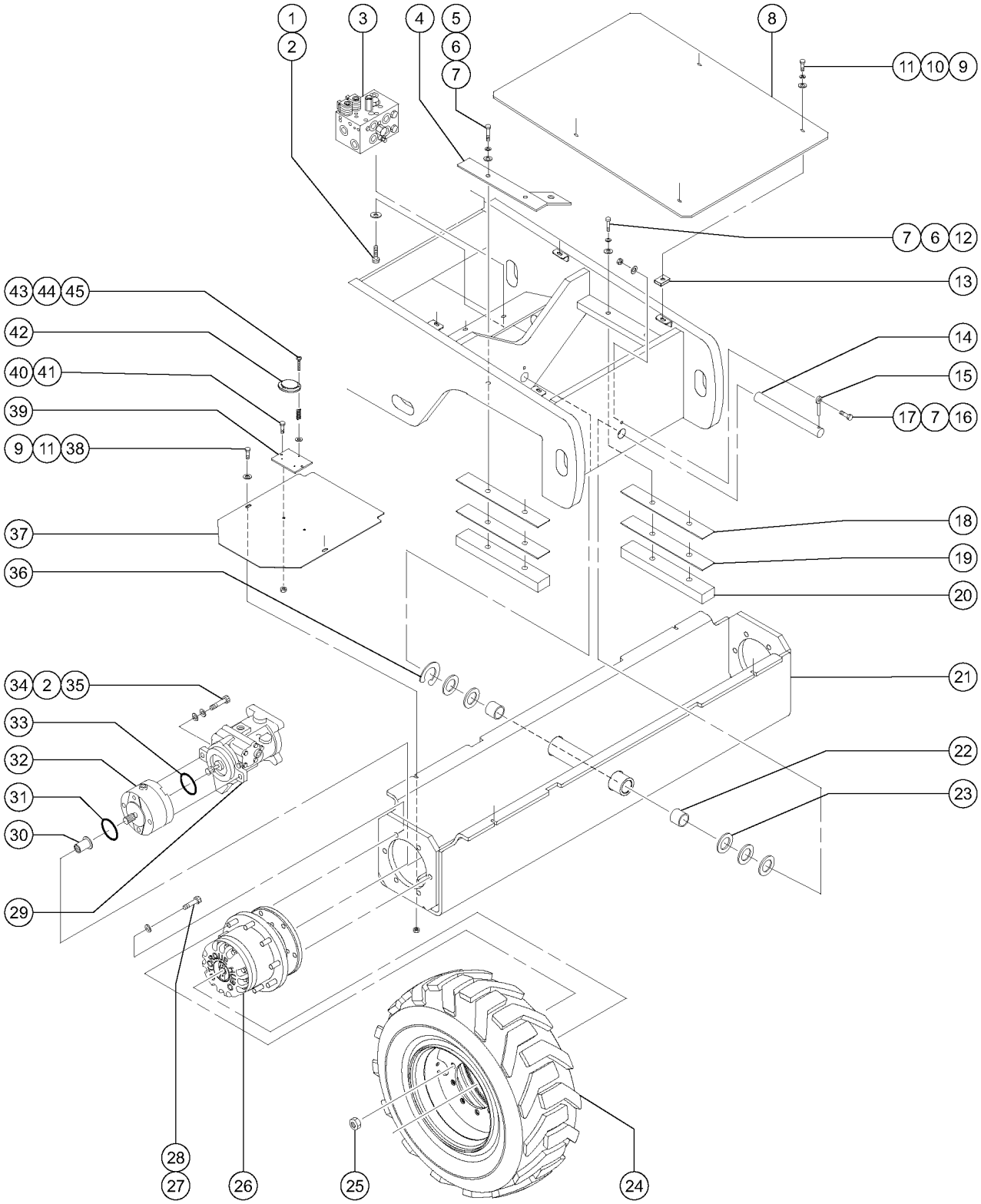
Item	Part No.	Description	Qty.
24	50920GT	WHEEL/TIRE ASSEMBLY,RR/LF 248# ..... RT, Air-filled	2
24-	50955GT	WHEEL & TIRE ASSY,LR/RF 248# ..... RT, Air-filled	
24-	60085GT	WHEEL &TIRE ASSEMBLY,RR/LF,FM ..... RT, Foam-filled	
24-	60084GT	WHEEL &TIRE ASSEMBLY,LR/RF,FM ..... RT, Foam-filled	
24-	1267780GT	TIRE/WH ASSY,9 LG,FOAM,NS REAR ..... Industrial, Foam-filled (non-steer end)	
24-	1267782GT	TIRE/WH ASSY,9LG,NM,FOAM,NS RE ..... Industrial, Foam-filled, Non-marking (non-steer end)	
24-	54611GT	WHEEL&TIRE,LR/RF,AIR,RT,N/MARK ..... RT, Air-filled, Non-marking	
24-	54610GT	WHEEL&TIRE,RR/LF,AIR,RT,N/MARK ..... RT, Air-filled, Non-marking	
24-		WHEEL&TIRE,RR/LF,FOA,RT,N/MARK ..... No longer used. replaced by 94670	
24-	94670GT	WHEEL & TIRE ASSY,RR/LF,FF,NM ..... RT, Foam-filled, Non-marking	
24-		WHEEL&TIRE,LR/RF,FOA,RT,N/MARK ..... RT, Foam-filled, Non-marking. (No longer used. replaced by 94670)	
24-	94671GT	WHEEL & TIRE ASSY,LR/RF,FF,NM ..... RT, Foam-filled, Non-marking	
24-	60059GT	TIRE,14-17.5 NHS,RT,14PLY,112# ..... RT	
24-	54614GT	TIRE,14-17.5,NHS,N/MARK,14PLY ..... RT, Non-marking	
24-	54140GT	TUBELESS PNEUMATIC TIRE,9-14LT ..... Industrial	
24-	54234GT	TUBELESS TIRE,9-14.5,NON-M 47# ..... Industrial, Non-marking	
24-	50919GT	WHEEL,17.50 X 10.5(9 HOLES)63#	
24-	54139GT	WHEEL,14.5 X 7	
25	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	18
26A	20193GT	TORQUE HUB,35:1*** ..... to SN 13725 (Seal Kit 1286606, Bearing Kit 1286607)	2
26A-	1286606GT	SEAL KIT,TORQUE HUB (20193)	
26A-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB**	
26A-	21143GT	BEARING KIT (45553) TORQUE HUB ..... for 20193 (inventory limited to stock on hand as component is no longer available)	
26A-	1286607GT	BEARING KIT,TORQUE HUB (20193) ..... for 20193	
26A-	37097GT	O-RING, TORQUE HUB	
26A-	21148GT	WASHER,THRUST,TORQUE HUB	
26A-	21146GT	COVER CAP,TORQUE HUB***	
26A-	21144GT	CAP,DISENGAGE-45553 TORQUE HUB	

204.1 Non-steer Axle



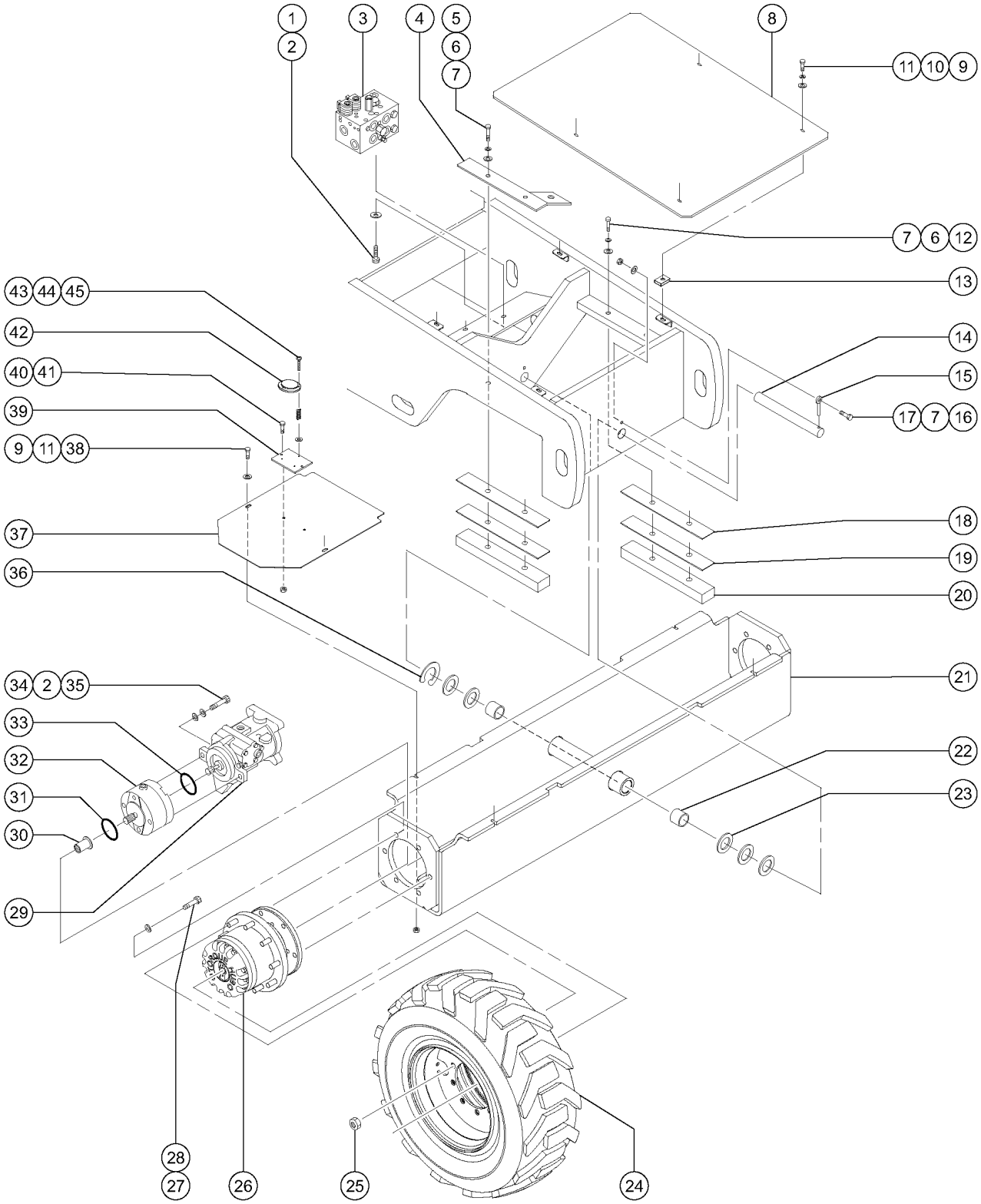
Item	Part No.	Description	Qty.
26A-	21145GT	DISCONNECT ROD-45553 TQ.HUB	
26A-	58438GT	KIT,COVER,TORQUE HUB,45553***	
26A-	58589GT	THRUST CAP (20193)	
26B	56338GT	TORQUE HUB,47:1 W1 "B" MOUNT** from SN 13726 to 17092	2
26B-	1286606GT	SEAL KIT,TORQUE HUB (20193)	
26B-	1286606GT	SEAL KIT,TORQUE HUB (20193) for 56338	
26B-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB**	
26B-	21143GT	BEARING KIT (45553) TORQUE HUB	
26B-	58448GT	KIT,TORQUE HUB COVER (45553)**	
26B-	58438GT	KIT,COVER,TORQUE HUB,45553***	
26B-	37097GT	O-RING, TORQUE HUB	
26B-	21148GT	WASHER,THRUST,TORQUE HUB	
26B-	21146GT	COVER CAP,TORQUE HUB***	
26B-	21144GT	CAP,DISENGAGE-45553 TORQUE HUB	
26B-	74099GT	DISCONNECT ROD (56338)	
26C	106148GT	WHEEL DRIVE,4HB,48:1*** from SN 17093; change to wheel drive requires replacement of both drive hubs at first-time replacement; after first-time replacement, refer to 'for 106148' below (Seal Kit 1286600, Bearing Kit 1286601)	2
26C-	58320GT	KIT,TORQUE HUB COVER(101584)** for 106148	
26C-	215777GT	INPUT CARRIER, SUB-ASSEMBLY for 106148	
26C-	106117GT	O-RING,2-010,VITON for 106148 (Mating O-ring for Brake Port)(Extremely small)	
26C-	1286600GT	SEAL KIT,WHEEL DRIVE (106148/106445/107712) for 106148 (inventory limited to stock on hand as component is no longer available)	
26C-	1286600GT	SEAL KIT,WHEEL DRIVE (106148/106445/107712) for 106148	
26C-	106120GT	WHEEL STUD, 4HP, 5/8-18*** for 106148	
26C-	106121GT	ROD,DISCONNECT 4HP/4HB*** for 106148	
26C-	106122GT	CAP,DISENGAGE,4HP/4HB*** for 106148	
26C-	106123GT	O-RING,END COVER,4HP/4HB*** for 106148	
26C-	106124GT	LINING KIT, BRAKE, 4HP*** for 106148	
26C-	106125GT	SEAL KIT, BRAKE, 4HP for 106148 ((inventory limited to stock on hand as component is no longer available), replace by 1286602GT	

204.1 Non-steer Axle



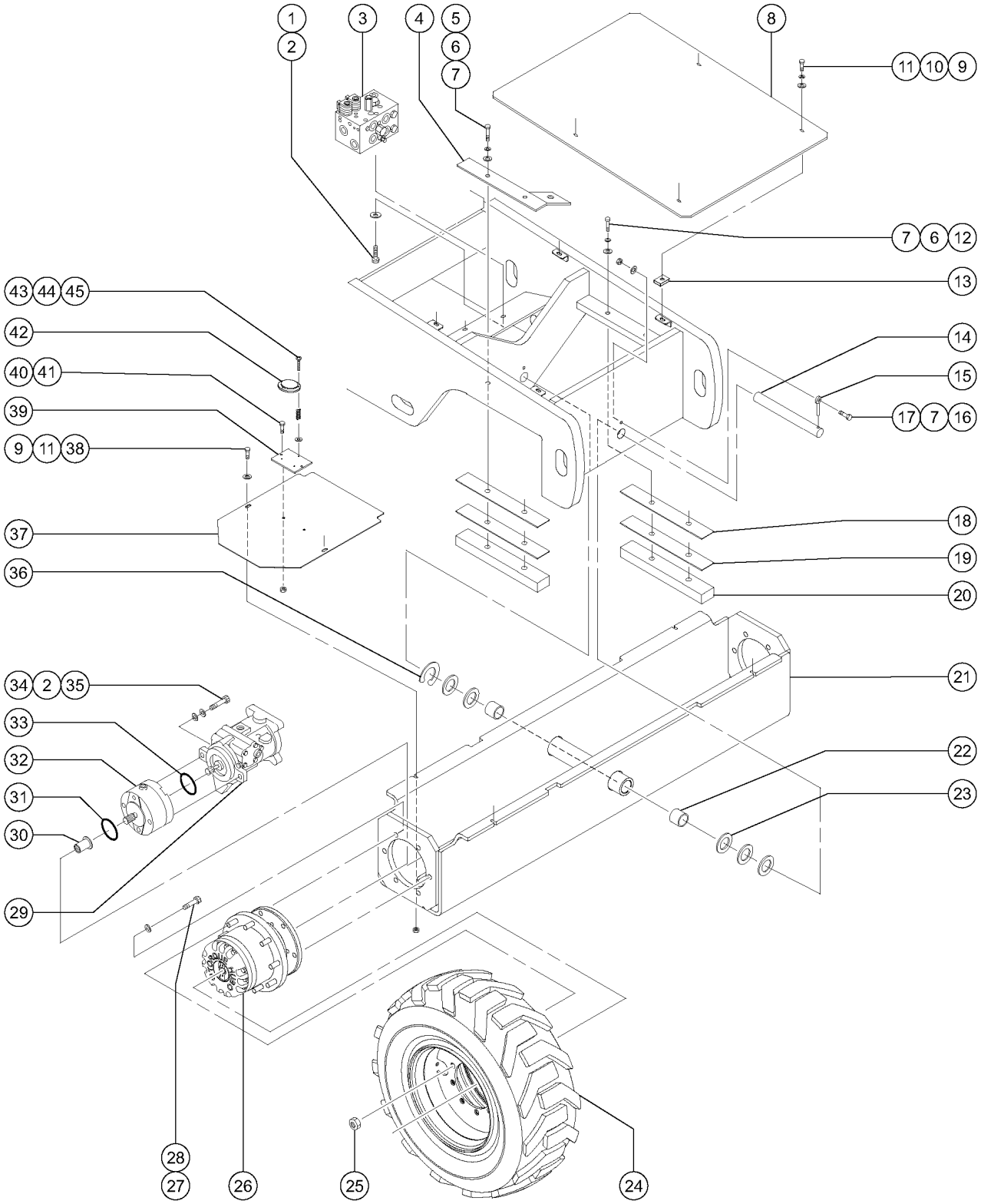
Item	Part No.	Description	Qty.
26C-	1286602GT	SEAL KIT,WHEEL DRIVE W/BRAKE (101584/101585) for 106148	
26C-	146051GT	BEARING NUT*** for 106148	
26C-	1286603GT	BEARING KIT,WHEEL DRIVE W/BRAKE (101584/101585) for 106148	
26C-	232486GT	SNAP RING,WHEEL DRIVE for 106148	
26C-	146052GT	SET SCREW*** for 146051	
26C-	9990074GT	COUPLING for 106148 (brake coupler)	
26C-	72307GT	SEAL KIT, TORQUE HUB(74097)* for 74097	
26C-	74714GT	BEARING KIT-74097 TORQUE HUB** for 74097 (inventory limited to stock on hand as component is no longer available), replace by 1286601GT	
26C-	1286601GT	BEARING KIT,WHEEL DRIVE (106148/106445/107712) for 74097	
26C-	83110GT	COVER END,TORQUE HUB (74097) for 74097	
26C-	58438GT	KIT,COVER,TORQUE HUB,45553*** for 74097	
26C-	37097GT	O-RING, TORQUE HUB for 74097	
26C-	74375GT	WASHER,THRUST,TORQUE HUB,74097 for 74097	
26C-	58246GT	SPACER,THRUST*** for 74097	
26C-	58428GT	DISCONNECT ROD (74097) for 74097	
26C-	1302087GT	O-RING (9400134) for 58428	
27	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	12
28	13064GT	WASHER,FLAT,.625 HARDENED	12
29A	50420GT	MOTOR,HYD DRIVE,2 SPEED,2WD to SN 13725	2
29A-	65865GT	SEAL KIT, SUNSTRAND	
29A-	27067GT	SEAL,SHAFT-SUNDSTRAND***	
29B	54412GT	MOTOR,HYD,LV35,VAR,10DEG,2WD from SN 13726	2
29B-	65534GT	SEAL KIT-DRIVE MOTOR (replaced 65609)	
29B-	27067GT	SEAL,SHAFT-SUNDSTRAND***	
30	38113GT	COUPLER,INTERNAL SPLINE,T-HUB	
31	52087GT	O-RING,2-044 BUNA***	
32A	41912GT	BRAKE,MICO,1200 IN/LB*** to SN 12197	2
32A-	41921GT	SEAL KIT,BRAKE,MICO	

204.1 Non-steer Axle



Item	Part No.	Description	Qty.
32A-	41918GT	LINING KIT,MICO BRAKE	
32A-	41922GT	BEARING KIT,BRAKE,MICO	
32A-	72319GT	SPRING (RED) MICO For 41912; 8 required per brake	
32B	106150GT	BRAKE,SAE B-B,900IN LB*** from SN 12198 to 21178	2
32B-	65618GT	SEAL KIT,BRAKE*** for 106150 Ausco brake	
32B-	94880GT	BEARING KIT for 106150 Ausco brake	
32B-	106403GT	LINING KIT,BRK,WET*** for 106150 Ausco brake	
32B-	77240GT	SEAL KIT, AUSCO BRAKE*** for 74294 Ausco brake	
32B-	77239GT	LINING KIT,AUSCO BRAKE*** for 74294 Ausco brake	
32B-	65608GT	BEARING KIT, AUSCO*** for 74294 Ausco brake	
32B-	65606GT	SEAL KIT, AUSCO BRAKE(54388) for 54388 Ausco brake	
32B-	65607GT	LINING KIT, AUSCO BRAKE(54388) for 54388 Ausco brake	
32B-	65608GT	BEARING KIT, AUSCO*** for 54388 and 74294 Ausco brake	
33	22811GT	O-RING,MOTOR TO BRAKE***	2
34	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC to SN 18719	4
34-	42360GT	SCREW,SHC,1/2-13 X 4 ZINC from SN 18720	4
35	6033GT	WASHER,LOCK,0.5"	4
36	54557GT	SHIM,AXLE PIN,1.50"	1
37A	50355-SGT	COVER,DRIVE CHASSIS MOTOR to SN 17543	2
37A-	77020PGT	COVER,REAR AXLE,WIDE,PAINTED from SN 17544 to 18756	2
37A-	70655PGT	AXLE COVER, NARROW, PAINTED from SN 18757	2
37B	50768PGT	COVER,REAR AXLE,NARROW,PAINTED to SN 17543	2
37B-	77024PGT	COVER,REAR AXLE,NARROW,PAINTED from SN 17544 to 18756	2
37B-	77153PGT	COVER,FORMED REAR AXLE,WIDE from SN 18757	2
38	6889GT	NUT,LP NYLOCK,1/4-20	4
39	77013GT	BRACKET,BUBBLE LEVEL**%% CE models; to SN 18756	1
39-	77152GT	BRACKET,BUBBLE LEVEL CE models; from SN 18757	1
40	6090GT	SCREW, HHC, 1/4-20 X .75 CE models	2

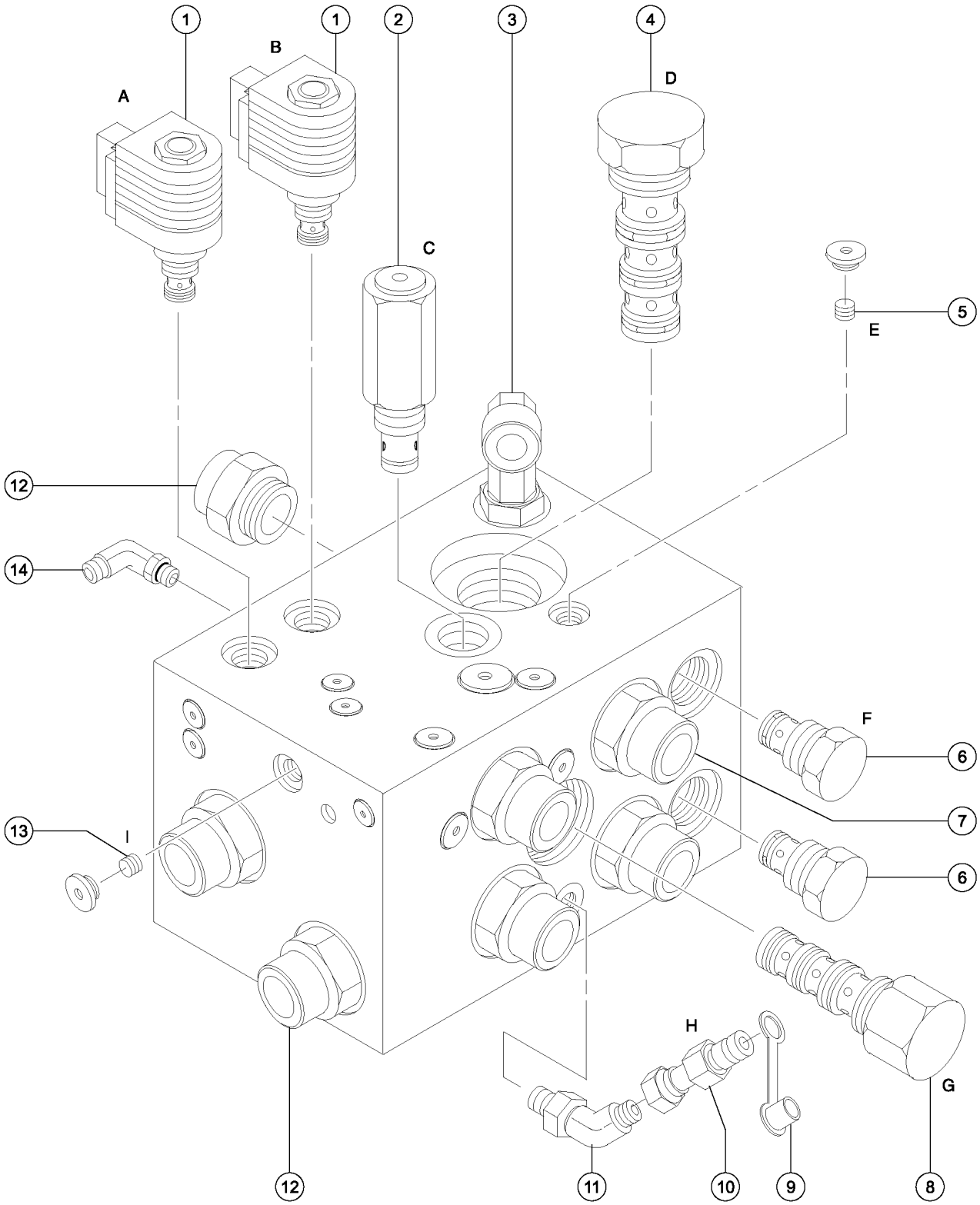
204.1 Non-steer Axle



204.1 Non-steer Axle

Item	*Part No.*	*Description*	*Qty.*
41	6091GT	NUT,NYLOCK,1/4-20 ..... shown; CE models	2
41-	30996GT	PLUG,NYLON .313 BLACK DOMED	4
42	77026GT	LEVEL,BUBBLE,2 DEGREE * ..... CE models	1
43	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25 ..... CE models	3
44	77027GT	SPRING,1X.31 ODX.040WIRE,SS ..... CE models	3
45	6146GT	WASHER,FLAT,MS,#10,Y ..... CE models	3

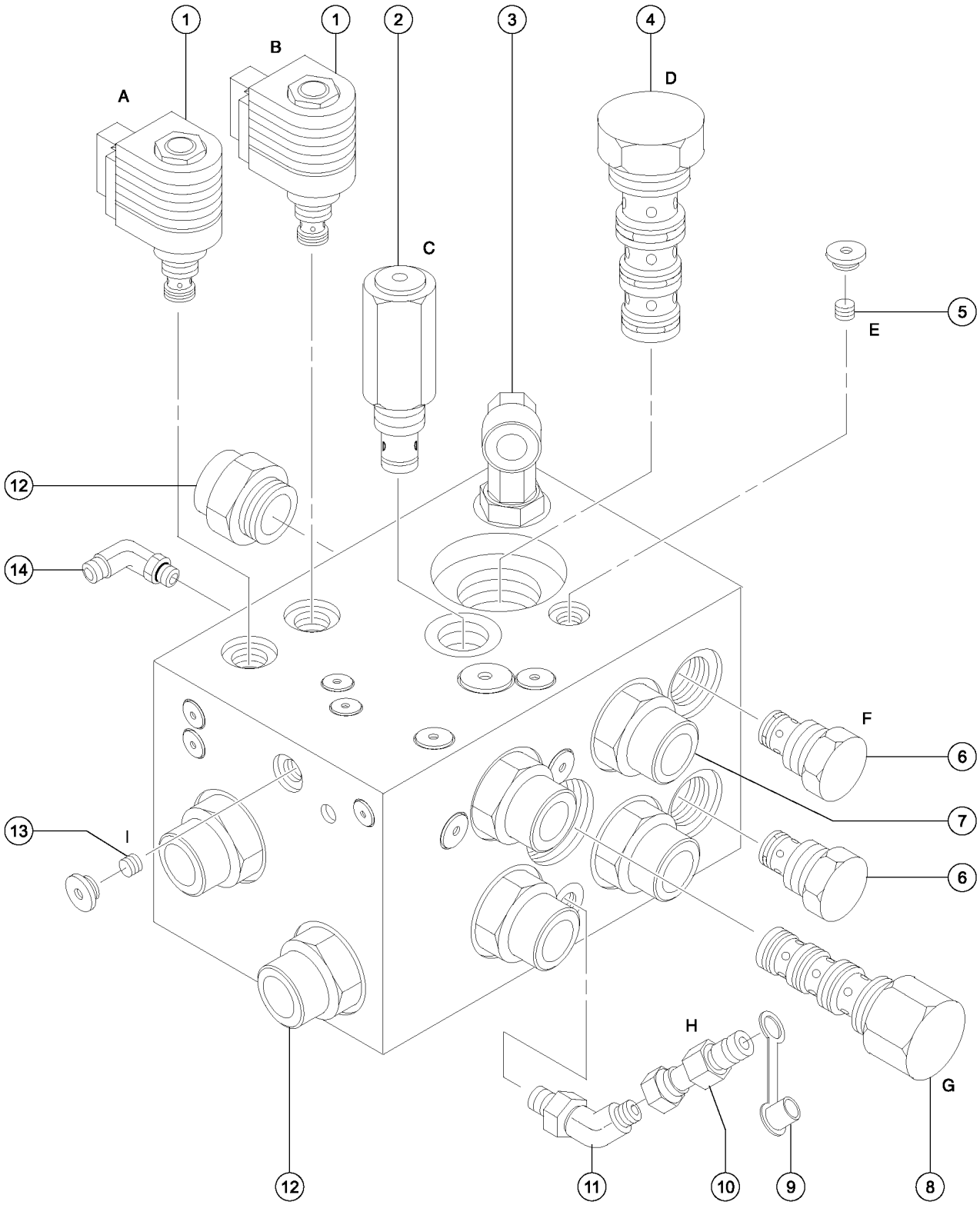
205.1 Drive Manifold



205.1 Drive Manifold

Item	Part No.	Description	Qty.
	54700GT	MANIFOLD,2WD TRACT.W/FITINGS	
	50685GT	MANIFOLD,TRACTION,2WD	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	65766GT	VALVE,SOLENOID,10V W/DIODE***	2
1	43601GT	COIL,SOLENOID VLV,10V W/ DIODE	2
1	45912GT	NUT,SOLENOID VALVE 2P3W	2
2	31406GT	VALVE,RELIEF 250 PSI***	1
3	48932GT	FITTING,ELBOW,90D,520220-8***	1
4	52726GT	VALVE,FLOW DIVIDER/COMBINER	1
5	77163GT	PLUG-ORIFICE,0.067 INCH	1
6	27836GT	VALVE,CHECK,5 PSI	2
7	48933GT	CONN,520120-8***	4
8	54572GT	VALVE	1
9	48880GT	CAP,DIAGNOSTIC NIPPLE	1
10	49207GT	NIPPLE,DIAGNOSTIC,ORFS,FM,SWIV	1
10	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
11	48907GT	ELBOW,45D,520320-4	1
12	48960GT	FITTING,CONN,520120-12***	3
13	77162GT	PLUG-ORIFICE 0.031 INCH	1
14	48904GT	ELBOW, 90D, 520220-4	2
A		Solenoid valve 2-speed motor shift	
B		Solenoid valve Brake Circuit	
C		Relief valve Charge pressure circuit	
D		Flow Controls flow to drive motors	
		divider/combiner valve in forward and reverse	
F		Check valve Drive circuit	

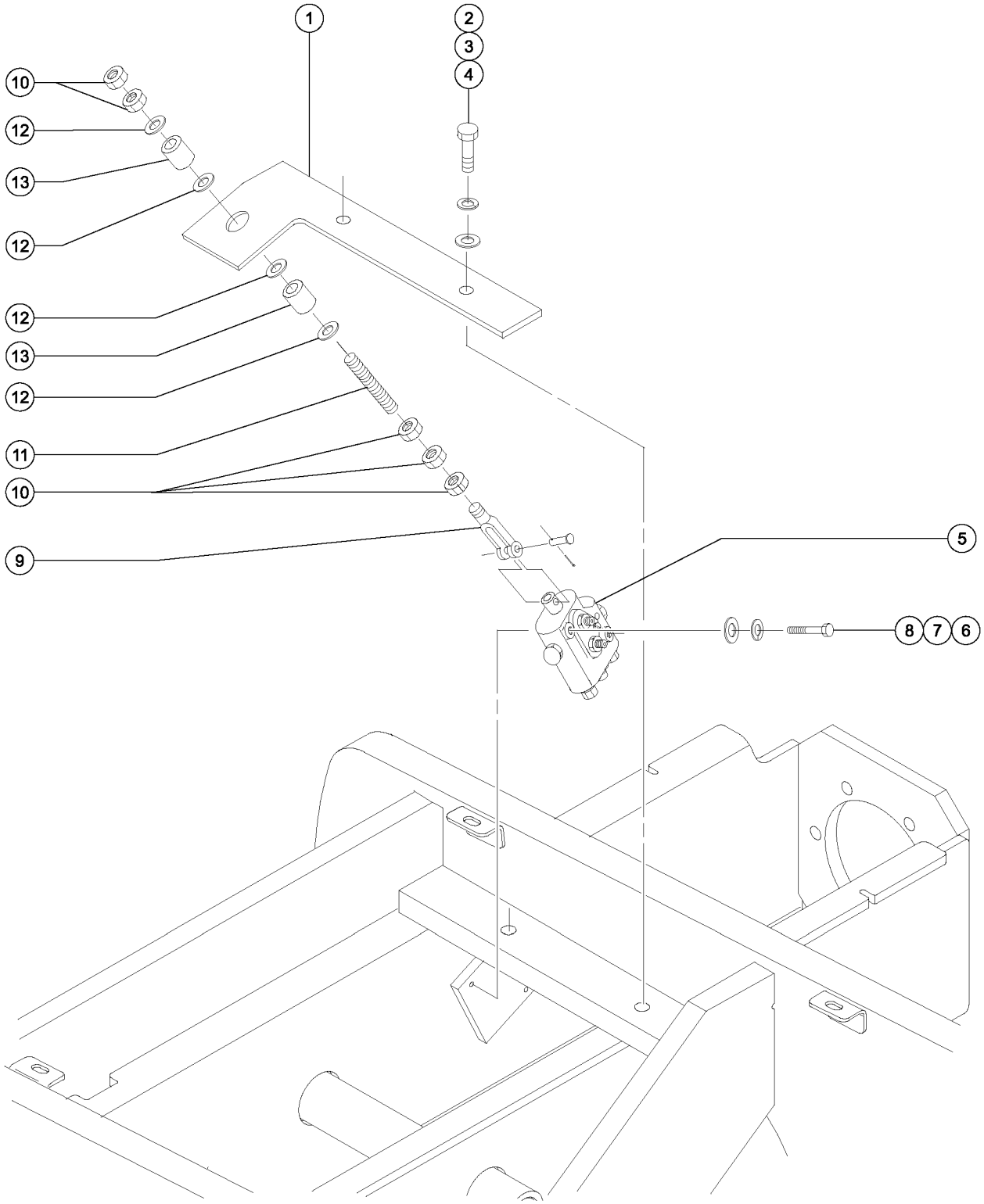
205.1 Drive Manifold



205.1 Drive Manifold

Item	*Part No.*	*Description*	*Qty.*
G		Shuttle valve Drive circuit	
H		Diagnostic fitting Testing	
I		Orifice Brake and 2-speed circuit	

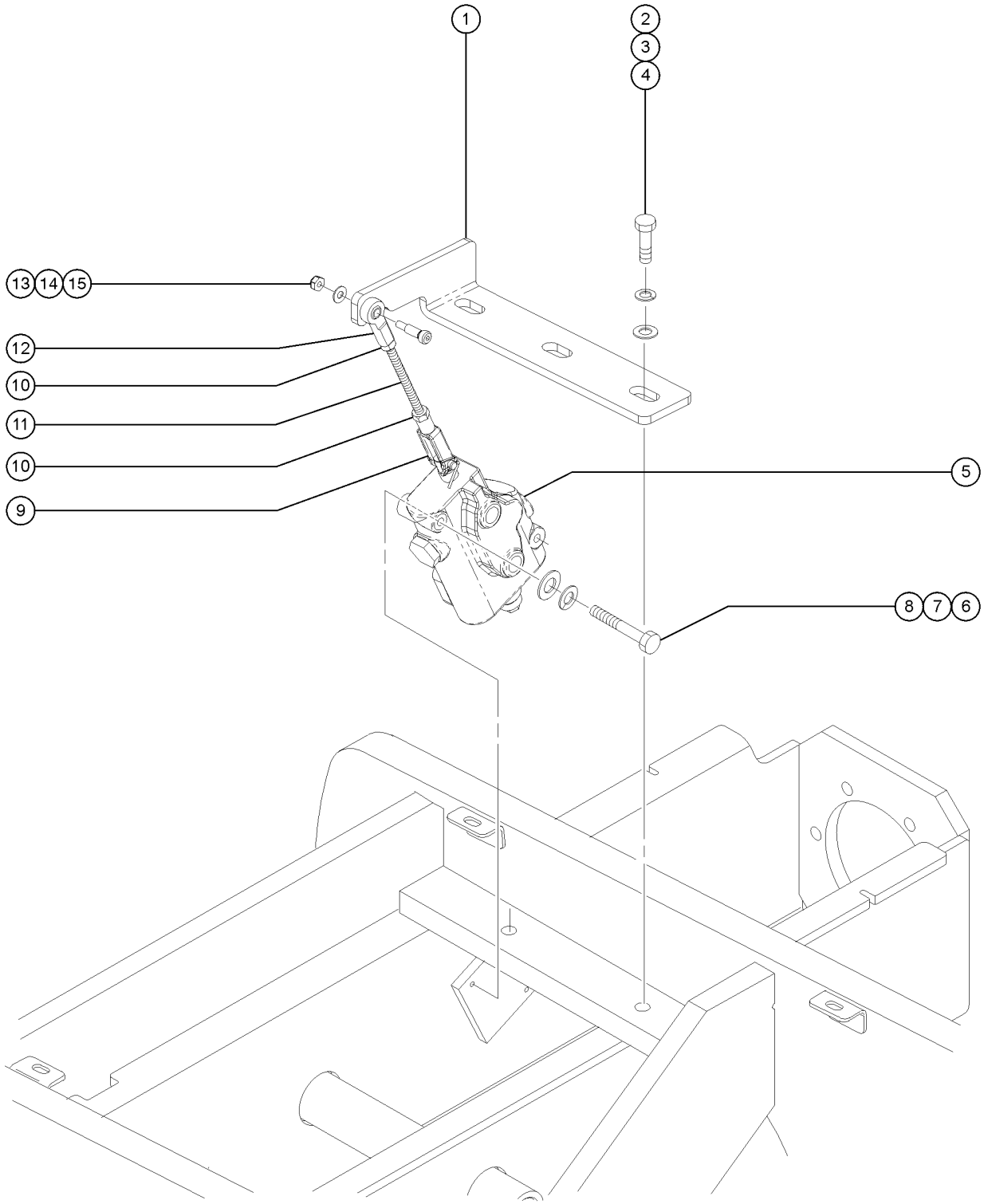
206.1 Oscillation Valve



206.1 Oscillation Valve

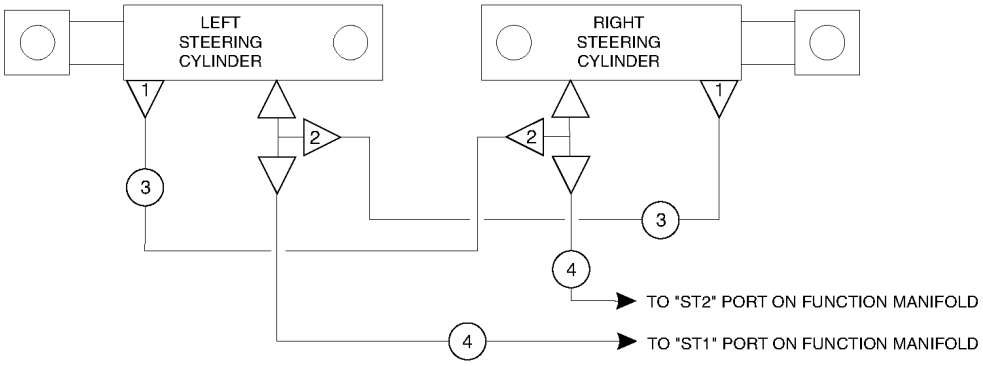
Item	*Part No.*	*Description*	*Qty.*
1		Ref., PLATE,BRACKET,OSC VALVE component no longer available; refer to kit T111453	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	2
3	6021GT	WASHER, LOCK, .375	2
4	5397GT	WASHER, FLAT, USS, 5/16-18	2
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5-	32681GT	SEAL KIT,CONTROL VALVE	1
6	4266GT	SCREW,HHC,1/4-20 X 2	2
7	6356GT	WASHER, LOCK, .25	2
8	25926GT	WASHER,FLAT,M6 PLTD.	2
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
10	21496GT	NUT,HEX,1/4-28	5
11	30785-600GT	THREADED ROD,1/4-28 X 6 IN***	1
12	6638GT	WASHER, FLAT, USS, 1/4"Y	4
13	54127GT	SPRING, OSCILLATE LINKAGE component no longer available; limited inventory on hand	2

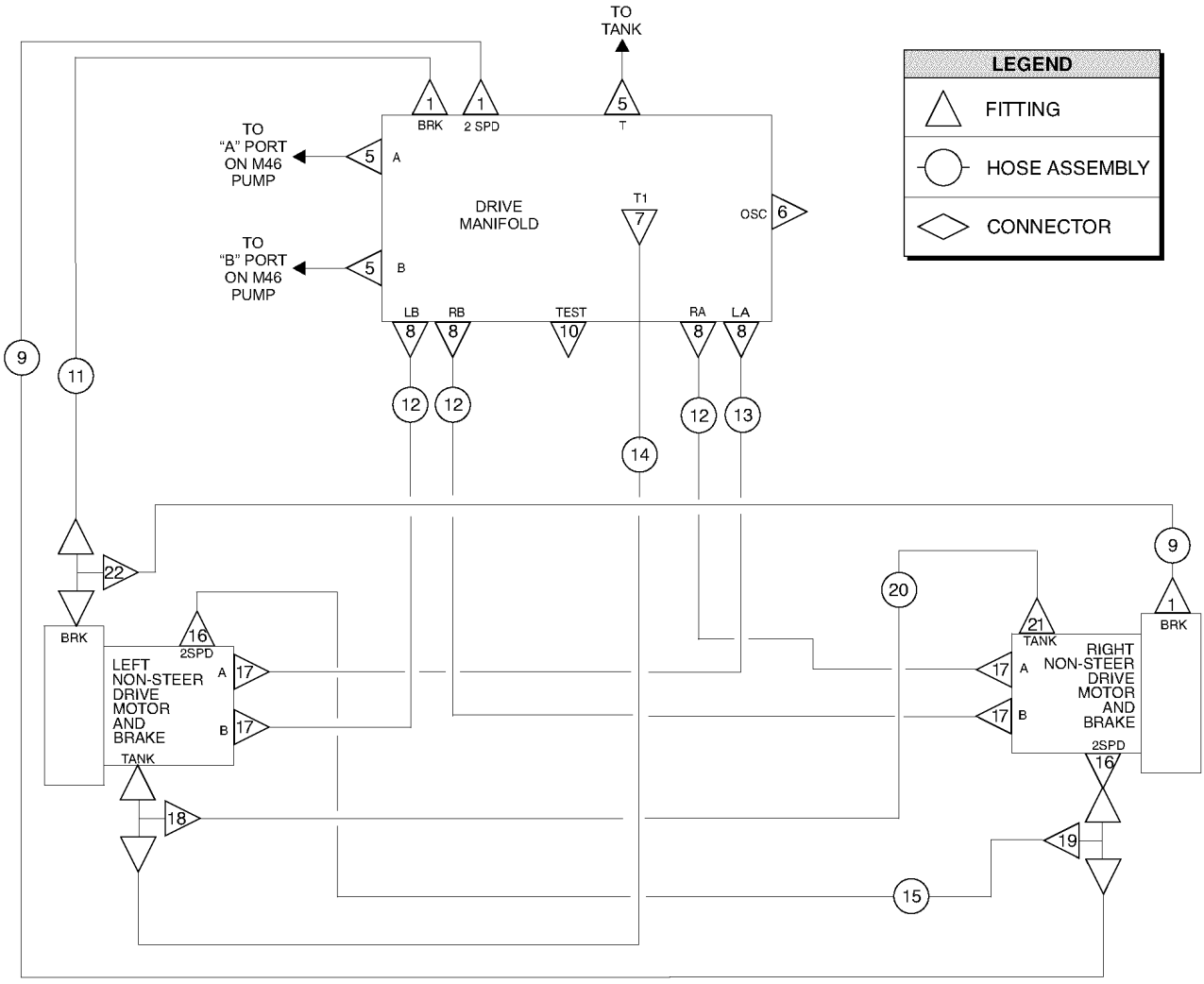
206.2 Oscillation Valve, Kit T111453



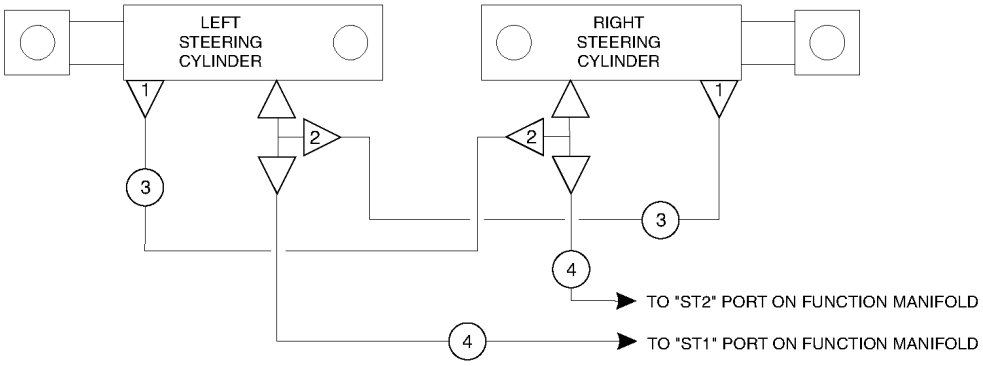
206.2 Oscillation Valve, Kit T111453

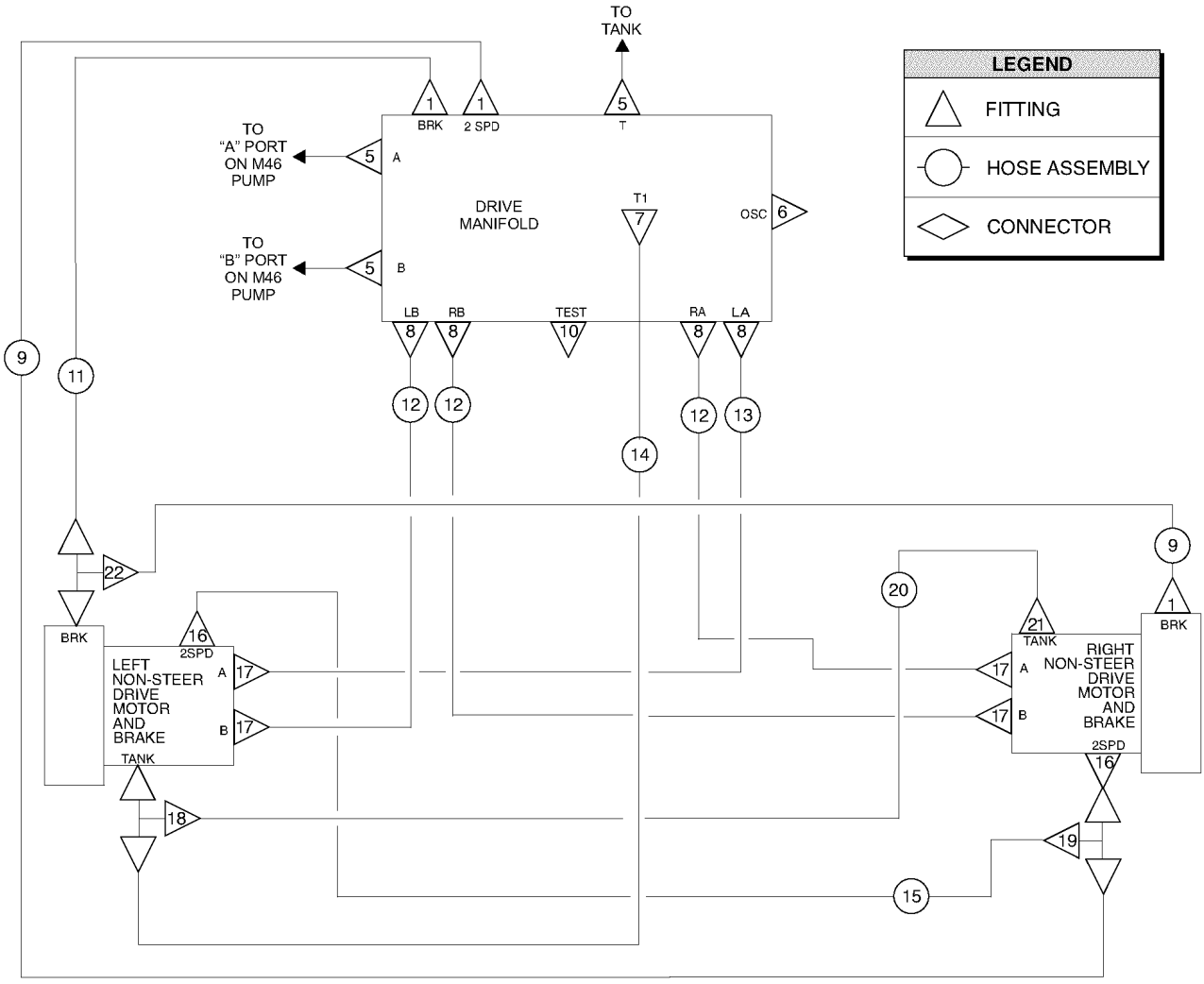
Item	Part No.	Description	Qty.
-	T111453GT	KIT,OSCILLATE LINKAGE includes items 1 and 9-15	
1	T107284GT	BRACKET,OSCILLATING VALVE	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	3
3	6021GT	WASHER, LOCK, .375	3
4	5397GT	WASHER, FLAT, USS, 5/16-18	3
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5-	32681GT	SEAL KIT,CONTROL VALVE for 49768	
6	4266GT	SCREW,HHC,1/4-20 X 2	2
7	6356GT	WASHER, LOCK, .25	2
8	6638GT	WASHER, FLAT, USS, 1/4"Y	2
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
10	21496GT	NUT,HEX,1/4-28	2
11	30785-500GT	THREADED ROD,1/4-28 X 5 IN	1
12	81691GT	ROD END,BALL JOINT 1/4-28	1
13	5365GT	NUT,NYLOCK,10-24	1
14	6146GT	WASHER,FLAT,MS,#10,Y	1
15	6584GT	SCREW,SHS,10-24 X .625	1


LEFT
STEERING
CYLINDER
RIGHT
STEERING
CYLINDER
1
2
3
4
TO "ST2" PORT ON FUNCTION MANIFOLD
TO "ST1" PORT ON FUNCTION MANIFOLD


TO
TANK
LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
TO
"A" PORT
ON M46
PUMP
TO
"B" PORT
ON M46
PUMP
DRIVE
MANIFOLD
BRK
2 SPD
T
T1
OSC
LB
RB
TEST
RA
LA
LEFT
NON-STEER
DRIVE
MOTOR
AND
BRAKE
TANK
2SPD
RIGHT
NON-STEER
DRIVE
MOTOR
AND
BRAKE

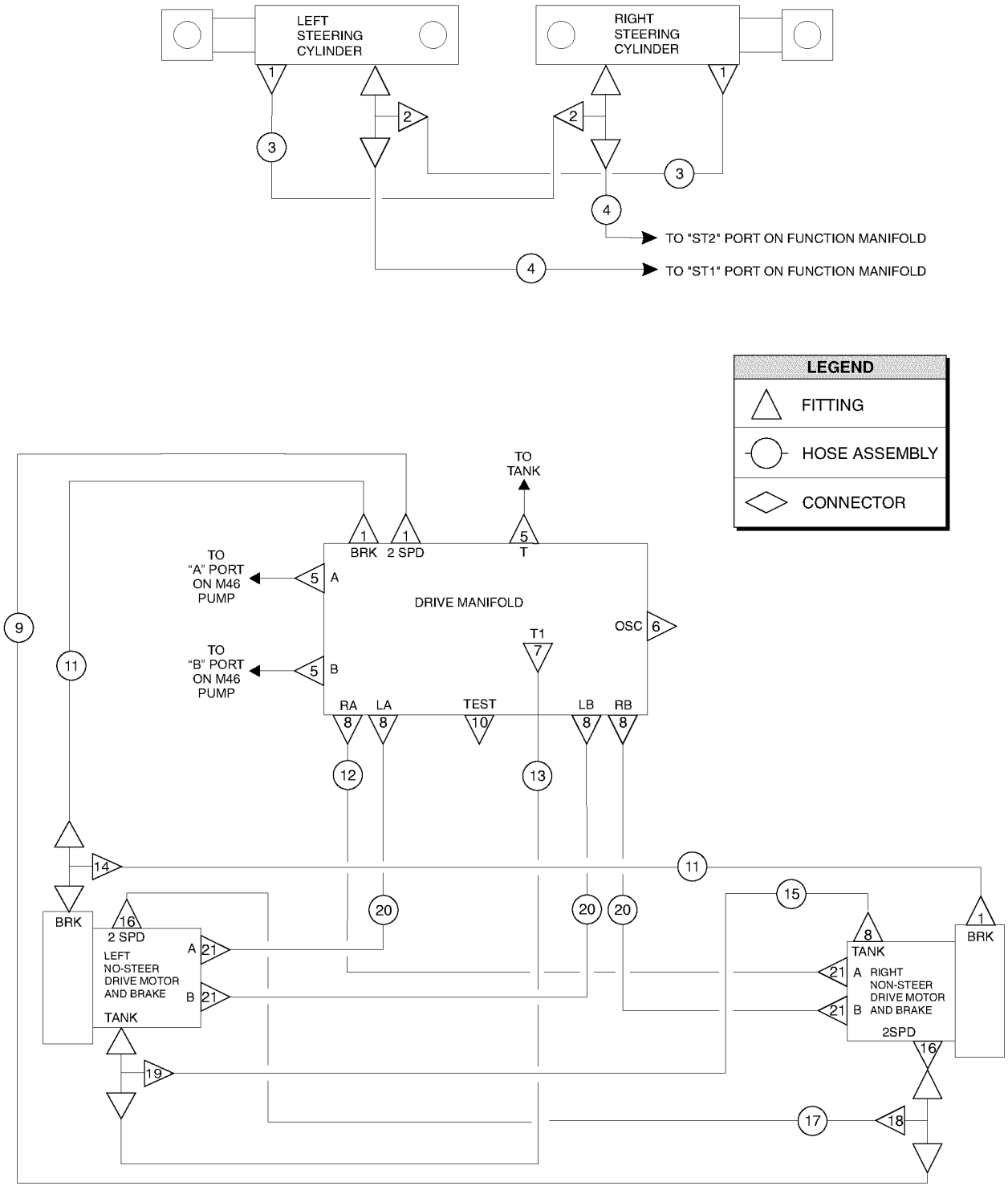
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48904GT	ELBOW, 90D, 520220-4	5
2	48906GT	TEE,RUN,520428-4	2
3	49119-3078GT	HOSE ASSY 1/4, STR FEM,STR FEM	2
4	49117-14391GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
5	48960GT	FITTING,CONN,520120-12***	3
6	49859GT	PLUG,HEX,090109A-4 non-oscillating models	1
6	48904GT	ELBOW, 90D, 520220-4 oscillating models	1
7	48932GT	FITTING,ELBOW,90D,520220-8***	1
8	48933GT	CONN,520120-8***	4
9	49117-5891GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
10	48907GT	ELBOW,45D,520320-4	1
11	49117-5091GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
12	49107-3463GT	HOSE ASSY,DMANIF/LR&RR BRAKE to SN 20422	3
12	49110-3392GT	HOSE ASSEMBLY-1/2" 100R2 from SN 20423	3
13	49110-3392GT	HOSE ASSEMBLY-1/2" 100R2 to SN 13318	1
13	49107-3863GT	HOSE ASSY,DMANIF/LR DRV MOTOR from SN 13319	1
14	49143-3729GT	HOSE ASSY,1/2,90 FEM,STR FEM	
15	54083-4408GT	HOSE ASSY,RR DRIVE/LR DRIVE to SN 20422	1
15	49117-4391GT	HOSE ASSY,1/4,90 FEM,STR FEM from SN 20423	1
16	48912GT	CONN,520120-4-6***	2
17	48948GT	CONN,520120-8-12	4
18	48935GT	TEE,RUN, 520428-8	1
19	48891GT	FITTING,TEE,BRANCH,520433-4	1
20	49183-4092GT	HOSE ASSY,1/2,STR FEM,STR FEM non-oscillating models	1
20	49143-4229GT	HOSE ASSY,1/2,90 FEM,STR FEM oscillating models	1
21	48933GT	CONN,520120-8*** shown; non-oscillating models	1


LEFT
STEERING
CYLINDER
RIGHT
STEERING
CYLINDER
1
2
3
4
TO "ST2" PORT ON FUNCTION MANIFOLD
TO "ST1" PORT ON FUNCTION MANIFOLD


TO
TANK
LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
TO
"A" PORT
ON M46
PUMP
TO
"B" PORT
ON M46
PUMP
DRIVE
MANIFOLD
BRK
2 SPD
T
T1
OSC
LB
RB
TEST
RA
LA
LEFT
NON-STEER
DRIVE
MOTOR
AND
BRAKE
TANK
2SPD
RIGHT
NON-STEER
DRIVE
MOTOR
AND
BRAKE

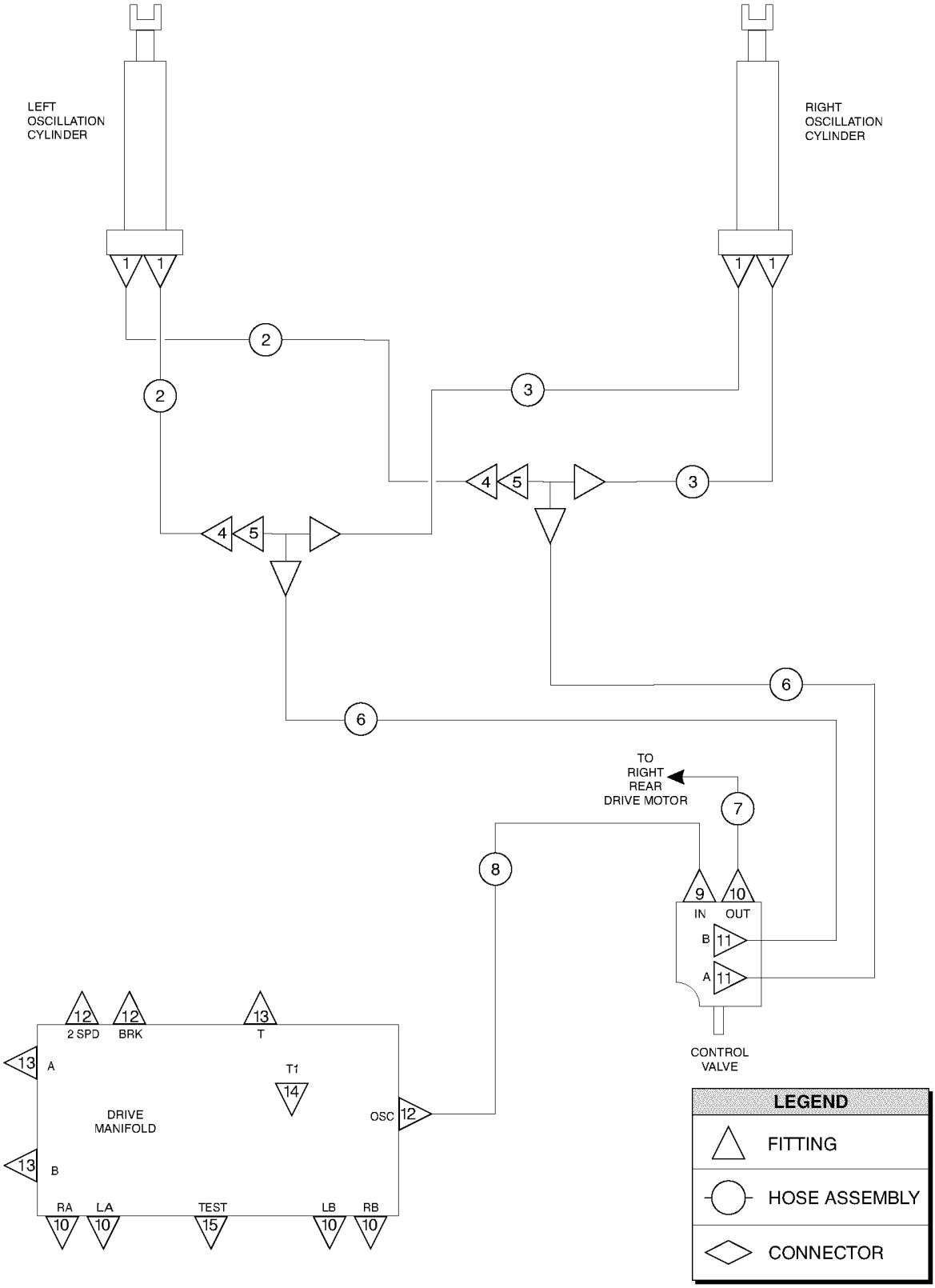
Item	*Part No.*	*Description*	*Qty.*
21	48935GT	TEE,RUN, 520428-8 ..... oscillating models	1
22	48890GT	FITTING,TEE,BRANCH,520429-4***	1

208.1 Hydraulic Hoses and Fittings - Drive and Steer System, Narrow Models



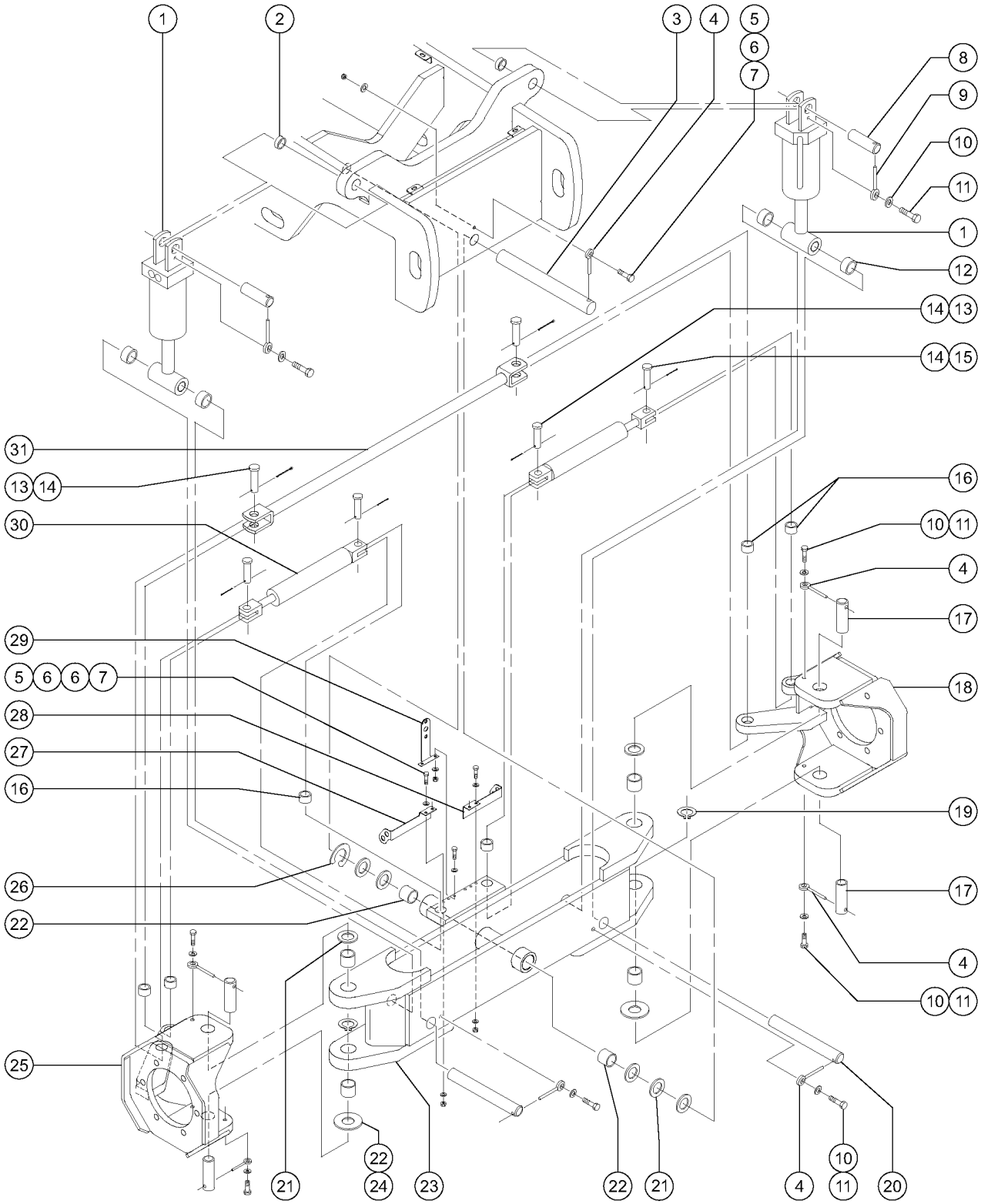
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48904GT	ELBOW, 90D, 520220-4	5
2	48906GT	TEE,RUN,520428-4	2
3	49119-2078GT	HOSE ASSY,1/4,STR FEM,STR FEM*	2
4A	54083-14408-SGT	HOSE ASSY,1/4",100R1,90F/FEM (with a 4-6 90 degree fitting)	2
4B	49117-11091GT	HOSE ASSY,1/4,90 FEM,STR FEM (with a 4-4 90 degree fitting)	2
5	48960GT	FITTING,CONN,520120-12***	3
6	49859GT	PLUG,HEX,090109A-4	1
7	48932GT	FITTING,ELBOW,90D,520220-8***	1
8	48933GT	CONN,520120-8***	5
9	49117-5191GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
10	48907GT	ELBOW,45D,520320-4	1
11	49117-4291GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
12	49107-3063GT	HOSE ASSY,DMANIF/LR&RR BRAKE	1
13	49143-3029GT	HOSE, ASSY, HYD, 1/2, 300, STR, 90	1
14	48890GT	FITTING,TEE,BRANCH,520429-4***	1
15	49183-2692GT	HOSE ASSY,1/2,STR FEM,STR FEM*	1
16	48912GT	CONN,520120-4-6***	2
17	49117-2591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
18	48891GT	FITTING,TEE,BRANCH,520433-4	1
19	48935GT	TEE,RUN, 520428-8	1
20	49107-3063GT	HOSE ASSY,DMANIF/LR&RR BRAKE to SN 20422	3
20	49110-2992GT	HOSE ASSY,DMANIF/LR&RR DMOTOR from SN 20423	3
21	48948GT	CONN,520120-8-12	4

209.1 Hydraulic Hoses and Fittings - Oscillate System



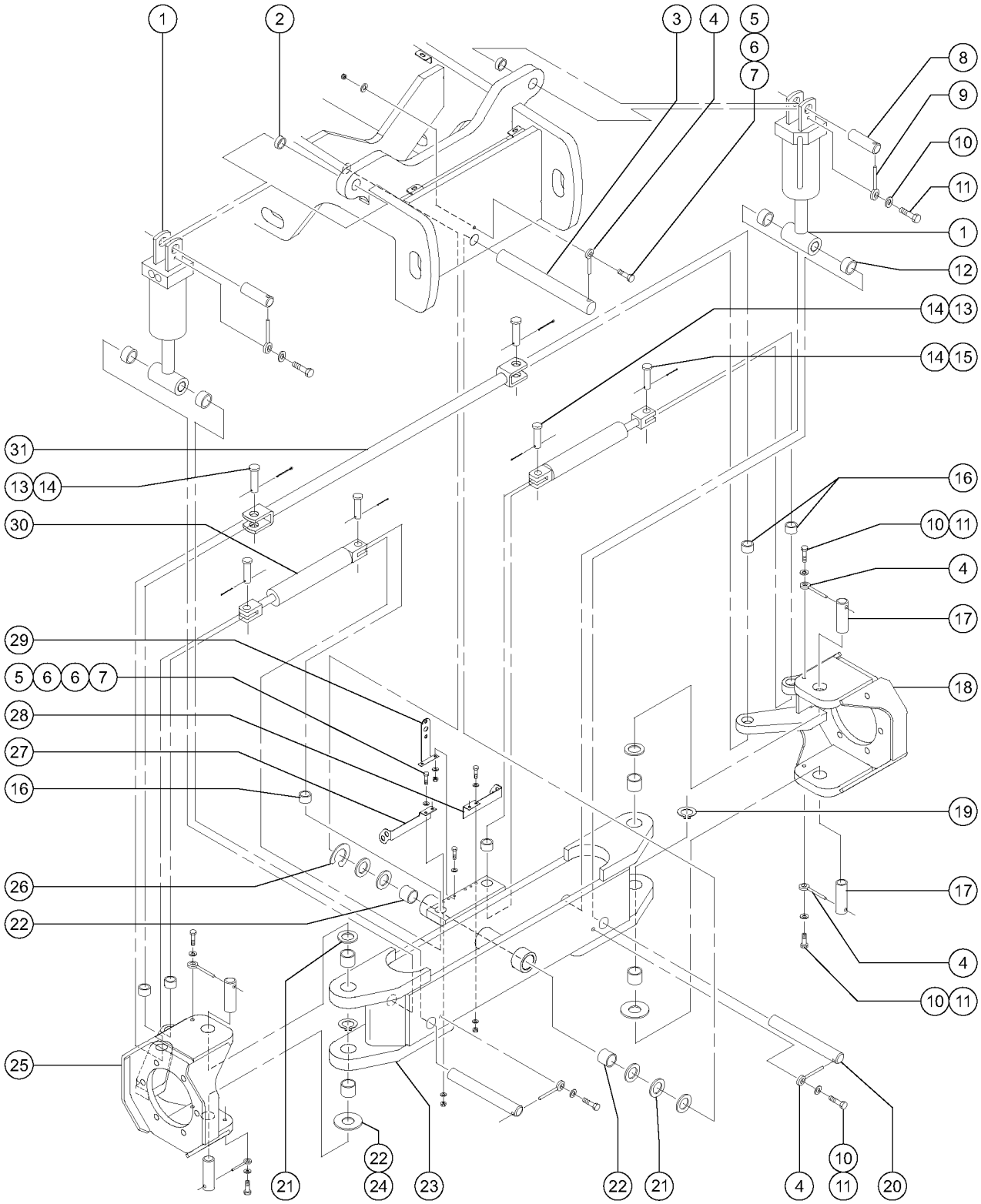
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48912GT	CONN,520120-4-6***	4
2	49117-2091GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
3	49117-3191GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
4	54132GT	ELBOW,SWIVEL 90D, 520221-4 to SN 20422	2
5	48909GT	TEE,BULKHEAD,RUN,520958-4 to SN 20422	2
5	48891GT	FITTING,TEE,BRANCH,520433-4 from SN 20423	2
6	49119-9778GT	HOSE ASSY,1/4,STR FEM,STR FEM to SN 20422	2
6	88636-9073GT	HOSE ASSY 1/4,STR FEM,STR BULK from SN 20423	2
6	75574GT	NUT,BULKHEAD,520118-4 from SN 20423 (item sold seperately)	2
7	49143-3729GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
8	49118-3808GT	HOSE ASSY,D.MANIF/CONTR.VALVE to SN 20422	1
8	49117-3791GT	HOSE ASSY,1/4,90 FEM,STR FEM** from SN 20423	1
9	48930GT	CONN,520120-6-8 to SN 20422	1
9	48914GT	CONN,520120-4-8 from SN 20423	1
10	48933GT	CONN,520120-8***	5
11	48911GT	ELBOW,90D,520220-4-6***	2
12	48904GT	ELBOW, 90D, 520220-4	3
13	48960GT	FITTING,CONN,520120-12***	3
14	48932GT	FITTING,ELBOW,90D,520220-8***	1
15	48905GT	CONNECTOR, 520120-4	1

301.1 Steer Axle Linkage - Oscillate Models



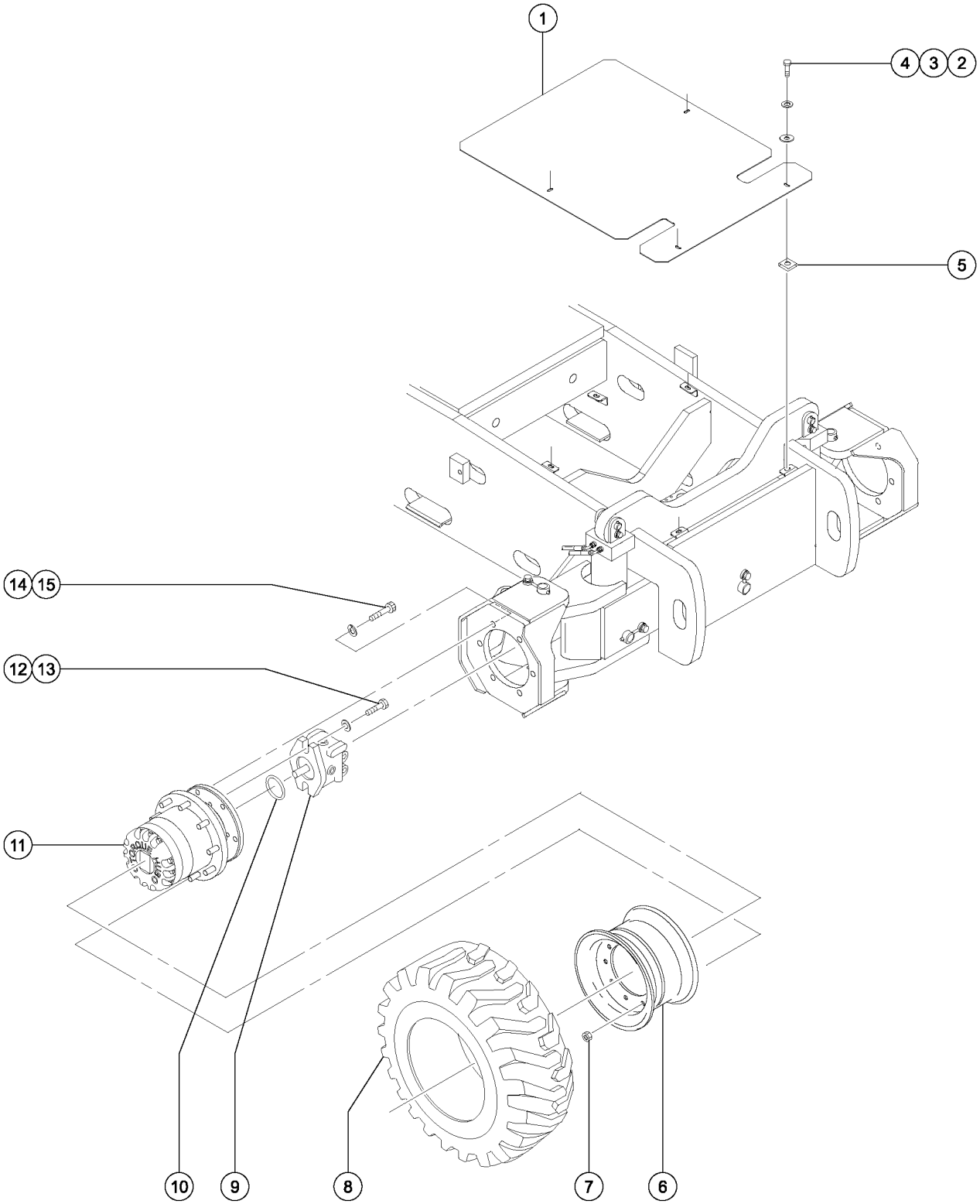
Item	Part No.	Description	Qty.
1	54567GT	CYLINDER,OSCILLATE,Z45*** includes 2 each of index number 12	2
1-	52759GT	SEAL KIT,50316 CYLINDER for cylinder 50316	
1-	77409GT	VALVE,COUNTERBALANCE,1000 ATM	1
1-	65791GT	SEAL KIT,CYL,Z45 (54567) for 54567	
1-	147285GT	SEAL KIT,147261 for 147261	
1-	52759GT	SEAL KIT,50316 CYLINDER for cylinder 50316	
2	50560GT	BEARING,1.25IDX1.50ODX1.50L	2
3	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
4	825019GT	ROD END, .375X3.69, ZAG	7
5	6708GT	SCREW,HHC,3/8-16 X 2.25	7
6	5397GT	WASHER, FLAT, USS, 5/16-18	13
7	4828GT	NUT, NYLOCK, 3/8-16	7
8	50742GT	PIN,1.25DIAX3.75LG,1HOLE	2
9	1255452GT	ROD END,.375 X 2.25,ZAG	2
10	6021GT	WASHER, LOCK, .375	8
11	6175GT	SCREW,HHC,3/8-16 X 1	8
12	25683GT	BEARING,POLYGON,20DU12	4
13	32399GT	PIN,CLEVIS,1 X 3 LG, from SN 9996 to 20458	2
13	19440GT	PIN,CLEVIS,1 X 2.5 LG from SN 20459 to 21178	2
14	33247GT	PIN,COTTER,.188 X 1.75 LONG	6
15	19440GT	PIN,CLEVIS,1 X 2.5 LG	4
16	25817GT	BEARING,1.00IDX1.25ODX1.00L	6
17	88752GT	PIN,1.50DIAX4.25LG,GR/H	4
18	52704-SGT	YOKE ASSY,LH,4WD,Z45/25,IC includes 2 each index number 16	1
19	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	2
20	36198GT	PIN,1.25DIAX8.12LG,1HOLE	2
21	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	7
22	45071GT	BEARING,1.5IDX1.75ODX1.5L	6

301.1 Steer Axle Linkage - Oscillate Models



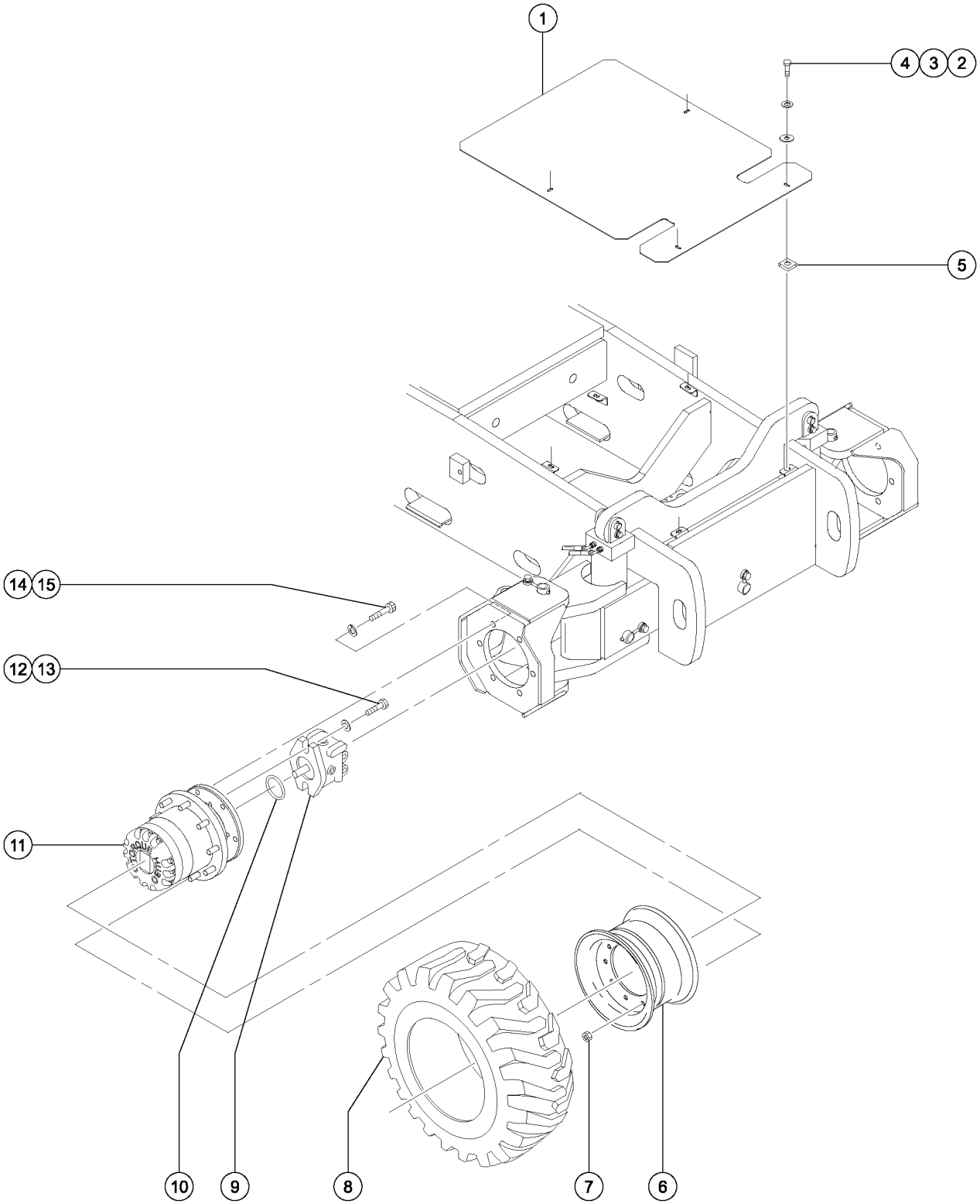
Item	Part No.	Description	Qty.
23	52706-SGT	FRONT AXLE ASSY,WIDE,Z45/25 IC includes 2 each of index number 16 and 6 each of index number 22	1
24	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
25	52705-SGT	YOKE ASSY,RH,4WD,Z45/25,IC includes 2 each index number 16	1
26	54557GT	SHIM,AXLE PIN,1.50"	1
27	50947GT	BRACKET,FRONT DRIVE HOSES,RH	1
28	50901GT	BRACKET,FRONT DRIVE HOSES,LH	1
29	50900GT	BRACKET,OSC HOSE BULKHEAD	1
30	88337GT	CYLINDER,STEER	2
30	88338GT	SEAL KIT, 88337 for cylinder 88337	
30	52739GT	SEAL KIT (60064) for cylinder 60064	
30	59076GT	SEAL KIT,2.0" BORE CYLINDERS** for cylinder 59049 and 59203	
30	59169GT	SEAL KIT,2" BORE,1" ROD*** for cylinder 59155, 59156, 59301, 59341 and 59388	
31	50328-SGT	TIE ROD WELDMENT	1

302.1 Steer Axle Wheels and Hubs



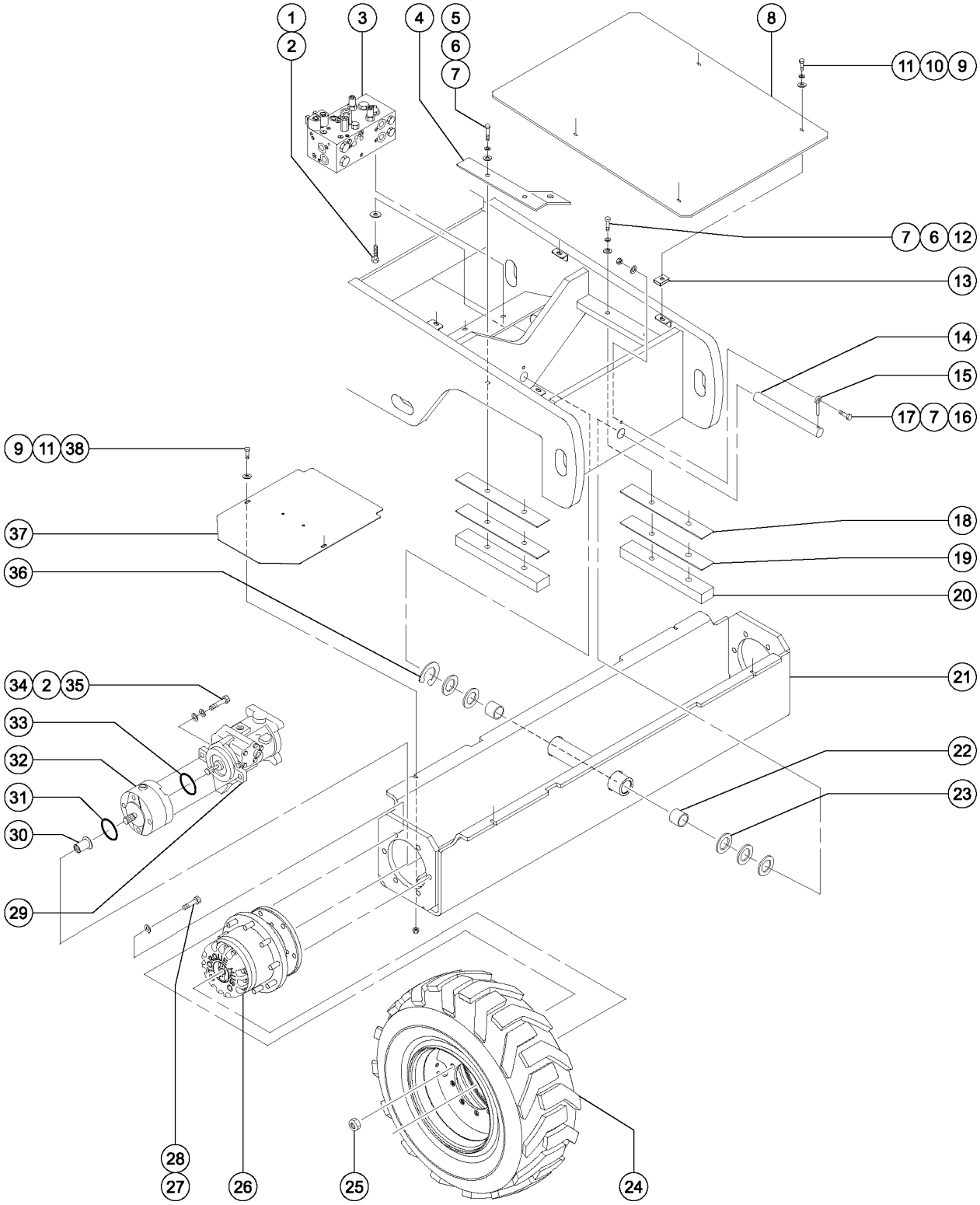
Item	Part No.	Description	Qty.
1	52731GT	COVER W/DECALS,STEER,OSC,Z45 Oscillate Models	1
2	6888GT	SCREW, HHC, 1/4-20 X 1	4
3	6356GT	WASHER, LOCK, .25	4
4	6638GT	WASHER, FLAT, USS, 1/4"Y	4
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	5
6	50919GT	WHEEL,17.50 X 10.5(9 HOLES)63#	2
7	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	18
8	50920GT	WHEEL/TIRE ASSEMBLY,RR/LF 248# RT, Air-filled	2
8-	50955GT	WHEEL & TIRE ASSY,LR/RF 248# RT, Air-filled	
8-	60085GT	WHEEL &TIRE ASSEMBLY,RR/LF,FM RT, Foam-filled	
8-	60084GT	WHEEL &TIRE ASSEMBLY,LR/RF,FM RT, Foam-filled	
8-	54611GT	WHEEL&TIRE,LR/RF,AIR,RT,N/MARK RT, Air-filled, Non-marking	
8-	54610GT	WHEEL&TIRE,RR/LF,AIR,RT,N/MARK RT, Air-filled, Non-marking	
8-		WHEEL&TIRE,RR/LF,FOA,RT,N/MARK No longer used. replaced by 94670	
8-	94670GT	WHEEL & TIRE ASSY,RR/LF,FF,NM RT, Foam-filled, Non-marking	
8-		WHEEL&TIRE,LR/RF,FOA,RT,N/MARK No longer used. replaced by 94671	
8-	94671GT	WHEEL & TIRE ASSY,LR/RF,FF,NM RT, Foam-filled, Non-marking	
8-	60059GT	TIRE,14-17.5 NHS,RT,14PLY,112# RT	
8-	54614GT	TIRE,14-17.5,NHS,N/MARK,14PLY RT, Non-marking	
8-	50919GT	WHEEL,17.50 X 10.5(9 HOLES)63#	
9	33432GT	MOTOR,HYD,25CC FIXED***	2
9	32675GT	SEAL KIT,SUNSTRAND	2
10	52087GT	O-RING,2-044 BUNA***	2
11	20193GT	TORQUE HUB,35:1*** (Seal Kit 1286606, Bearing Kit 1286607)	2
11-	1286606GT	SEAL KIT,TORQUE HUB (20193)	
11-	1286606GT	SEAL KIT,TORQUE HUB (20193) for 20193	
11-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB**	2
11-	21143GT	BEARING KIT (45553) TORQUE HUB for 20193 (inventory limited to stock on hand as component is no longer available)	

302.1 Steer Axle Wheels and Hubs



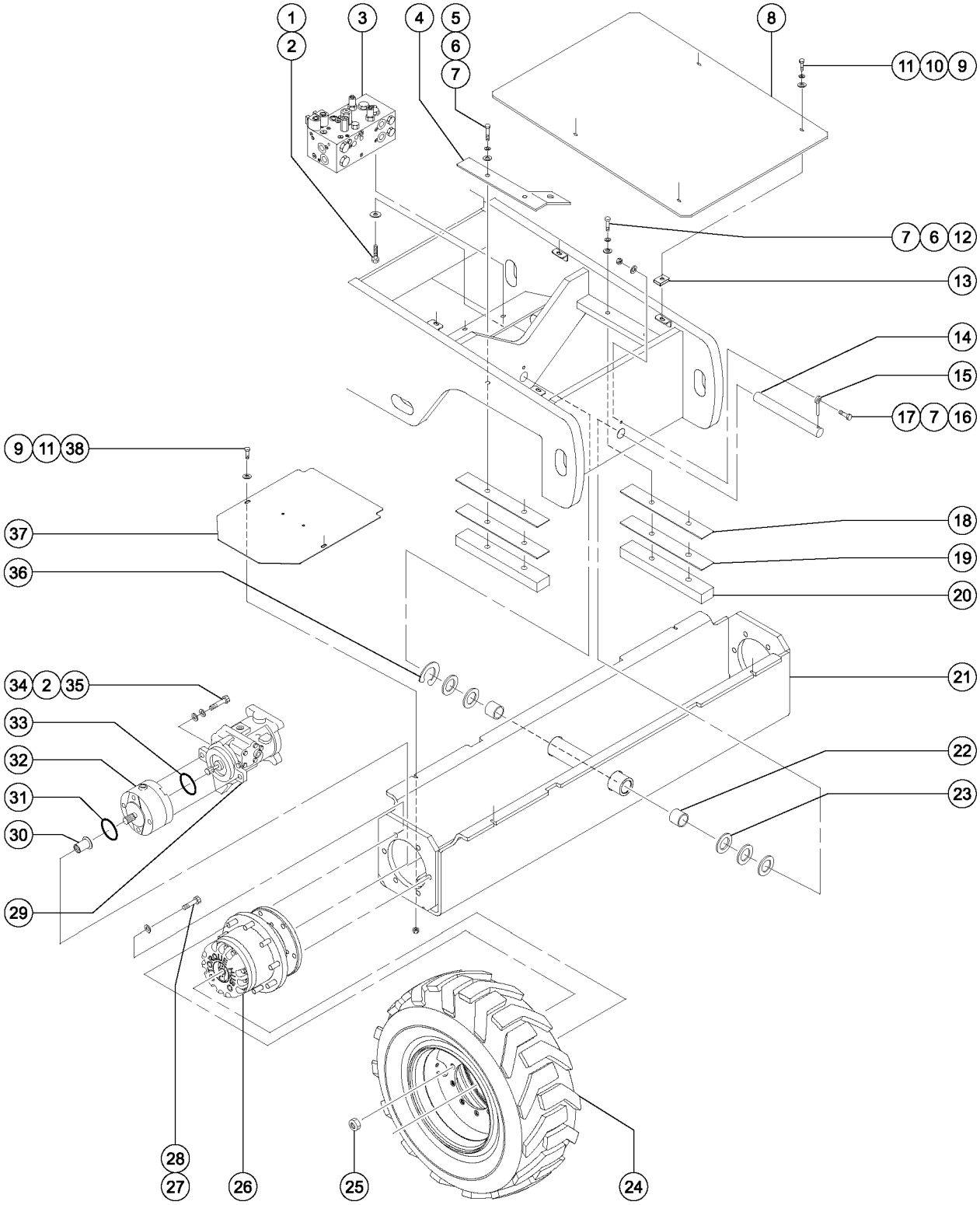
Item	Part No.	Description	Qty.
11-	1286607GT	BEARING KIT,TORQUE HUB (20193) for 20193	
11-	58438GT	KIT,COVER,TORQUE HUB,45553***	2
11-	37097GT	O-RING, TORQUE HUB	2
11-	21148GT	WASHER,THRUST,TORQUE HUB	2
11-	21146GT	COVER CAP,TORQUE HUB***	2
11-	21144GT	CAP,DISENGAGE-45553 TORQUE HUB	2
11-	21145GT	DISCONNECT ROD-45553 TQ.HUB	2
11-	58438GT	KIT,COVER,TORQUE HUB,45553***	
11-	58589GT	THRUST CAP (20193)	
12	22788GT	SCREW,HHC,1/2-13 X 1.75	4
13	6033GT	WASHER,LOCK,0.5"	4
14	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	12
15	13064GT	WASHER,FLAT,.625 HARDENED	12

303.1 Non-steer Axle



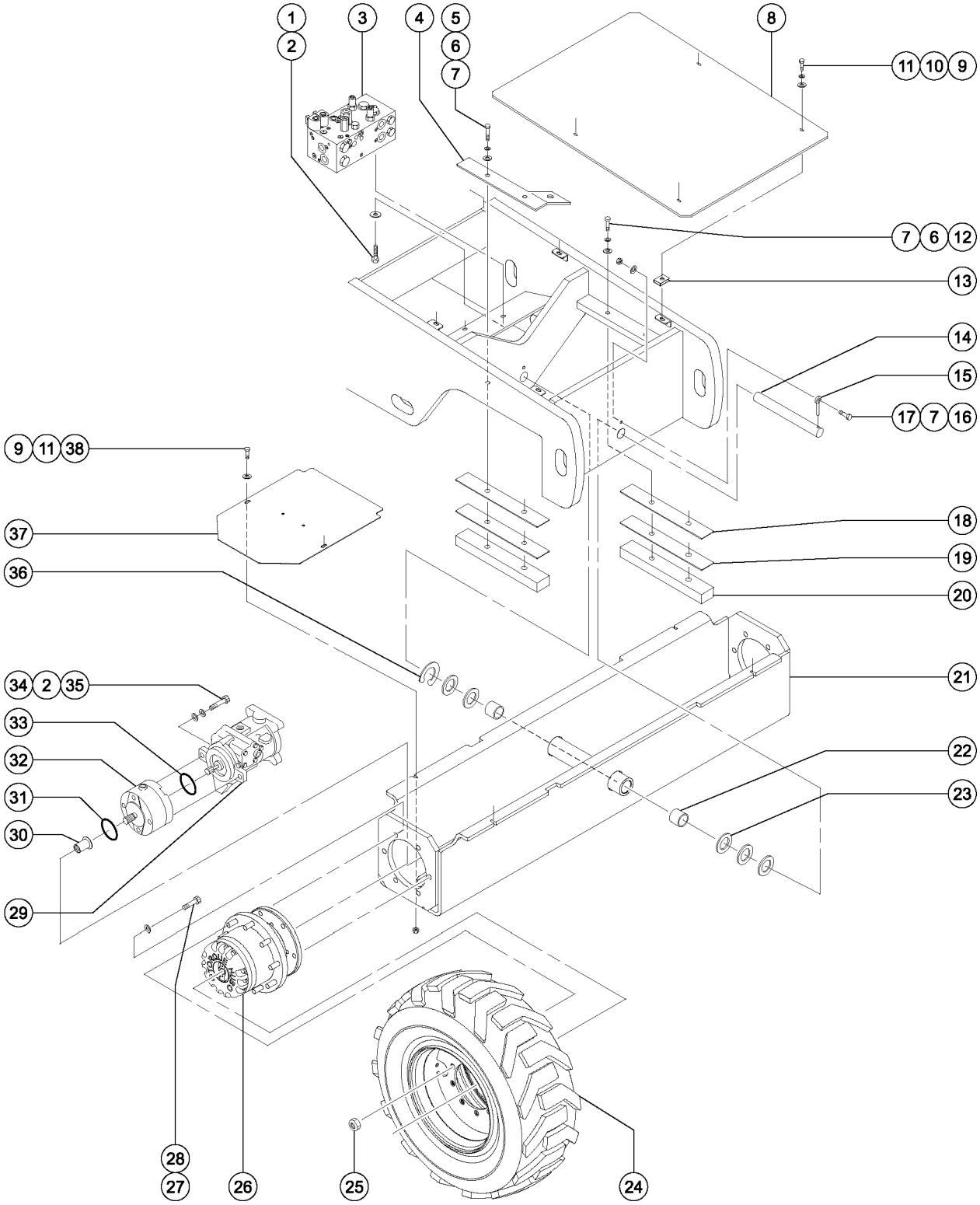
Item	Part No.	Description	Qty.
1	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	3
2	6033GT	WASHER,LOCK,0.5"	7
3		Ref. Manifold - Drive, 4WD (refer to Figure 3-D)	7
4		Ref., PLATE,BRACKET,OSC VALVE refer to 305.1	1
5	14033GT	SCREW, HHC, 3/8-16 X 2.75	2
6	6021GT	WASHER, LOCK, .375	4
7	5397GT	WASHER, FLAT, USS, 5/16-18	5
8	52707-SGT	COVR W/DECALS,NON-STEER Z45/25	1
9	6888GT	SCREW, HHC, 1/4-20 X 1	8
10	6356GT	WASHER, LOCK, .25	4
11	6638GT	WASHER, FLAT, USS, 1/4"Y	8
12	6708GT	SCREW,HHC,3/8-16 X 2.25	3
13	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	8
14	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
15	825019GT	ROD END, .375X3.69, ZAG	1
16	6175GT	SCREW,HHC,3/8-16 X 1	1
17	4828GT	NUT, NYLOCK, 3/8-16	1
18	50669GT	SHIM,AXLE ROTATION STOP,22GA	2
19	119210GT	SHIM,AXLE ROTATION STOP,12GA	2
20	50667GT	BAR,AXLE ROTATION STOP,OSC	2
21	52727GT	AXLE ASSY,NON-STR,WIDE BASE includes index number 22; to SN 17543	1
21-	77243GT	FORMED AXLE,WIDE,W/BEARINGS includes index number 22; from SN 17544	1
22	45071GT	BEARING,1.5IDX1.75ODX1.5L	2
23	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	7
24	50920GT	WHEEL/TIRE ASSEMBLY,RR/LF 248# RT, Air-filled	2
24-	50955GT	WHEEL & TIRE ASSY,LR/RF 248# RT, Air-filled	
24-	60085GT	WHEEL &TIRE ASSEMBLY,RR/LF,FM RT, Foam-filled	
24-	60084GT	WHEEL &TIRE ASSEMBLY,LR/RF,FM RT, Foam-filled	

303.1 Non-steer Axle



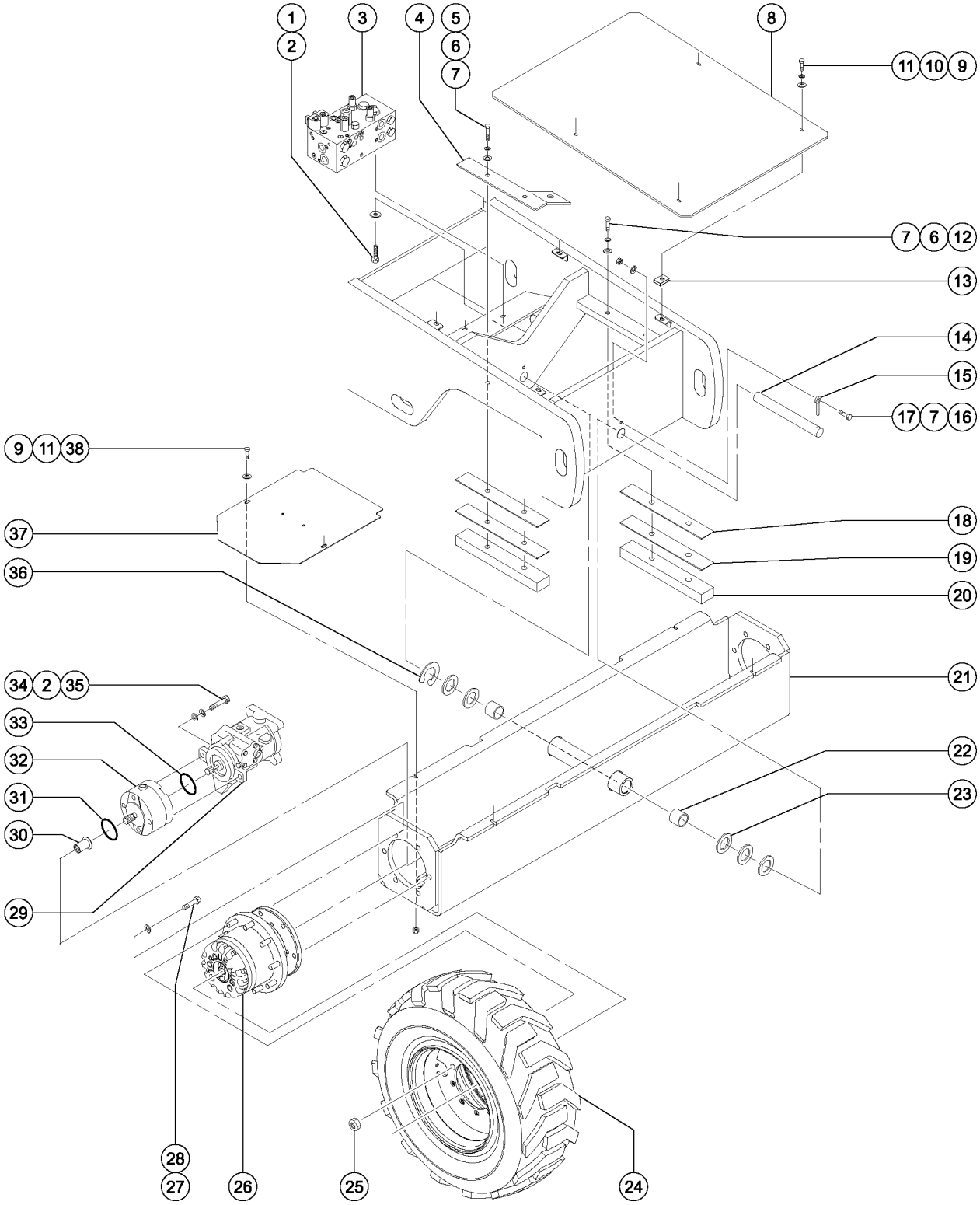
Item	Part No.	Description	Qty.
24-	54611GT	WHEEL&TIRE,LR/RF,AIR,RT,N/MARK RT, Air-filled, Non-marking	
24-	54610GT	WHEEL&TIRE,RR/LF,AIR,RT,N/MARK RT, Air-filled, Non-marking	
24-		WHEEL&TIRE,RR/LF,FOA,RT,N/MARK No longer used. replaced by 94670	
24-	94670GT	WHEEL & TIRE ASSY,RR/LF,FF,NM RT, Foam-filled, Non-marking	
24-		WHEEL&TIRE,LR/RF,FOA,RT,N/MARK No longer used. replaced by 94671	
24-	94671GT	WHEEL & TIRE ASSY,LR/RF,FF,NM RT, Foam-filled, Non-marking	
24-	60059GT	TIRE,14-17.5 NHS,RT,14PLY,112#	
24-	54614GT	TIRE,14-17.5,NHS,N/MARK,14PLY	
25	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	18
26A	20193GT	TORQUE HUB,35:1*** to SN 13725 (Seal Kit 1286606, Bearing Kit 1286607)	2
26A-	1286606GT	SEAL KIT,TORQUE HUB (20193)	
26A-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB** for 20193 torque hub	
26A-	21143GT	BEARING KIT (45553) TORQUE HUB for 20193 (inventory limited to stock on hand as component is no longer available)	
26A-	1286607GT	BEARING KIT,TORQUE HUB (20193) for 20193	
26A-	37097GT	O-RING, TORQUE HUB for 20193 torque hub	
26A-	21148GT	WASHER,THRUST,TORQUE HUB for 20193 torque hub	
26A-	21146GT	COVER CAP,TORQUE HUB*** for 20193 torque hub	
26A-	21144GT	CAP,DISENGAGE-45553 TORQUE HUB for 20193 torque hub	
26A-	21145GT	DISCONNECT ROD-45553 TQ.HUB for 20193 torque hub	
26A-	58438GT	KIT,COVER,TORQUE HUB,45553*** for 20193 torque hub	
26A-	58589GT	THRUST CAP (20193) for 20193 torque hub	
26B	56338GT	TORQUE HUB,47:1 W1 "B" MOUNT** from SN 13726 to SN 17092	2
26B-	1286606GT	SEAL KIT,TORQUE HUB (20193)	
26B-	1286606GT	SEAL KIT,TORQUE HUB (20193) for 56338	
26B-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB** for 56338 torque hub	
26B-	21143GT	BEARING KIT (45553) TORQUE HUB for 56338 torque hub	
26B-	58448GT	KIT,TORQUE HUB COVER (45553)** for 56338 torque hub	
26B-	58438GT	KIT,COVER,TORQUE HUB,45553*** for 56338 torque hub	

303.1 Non-steer Axle



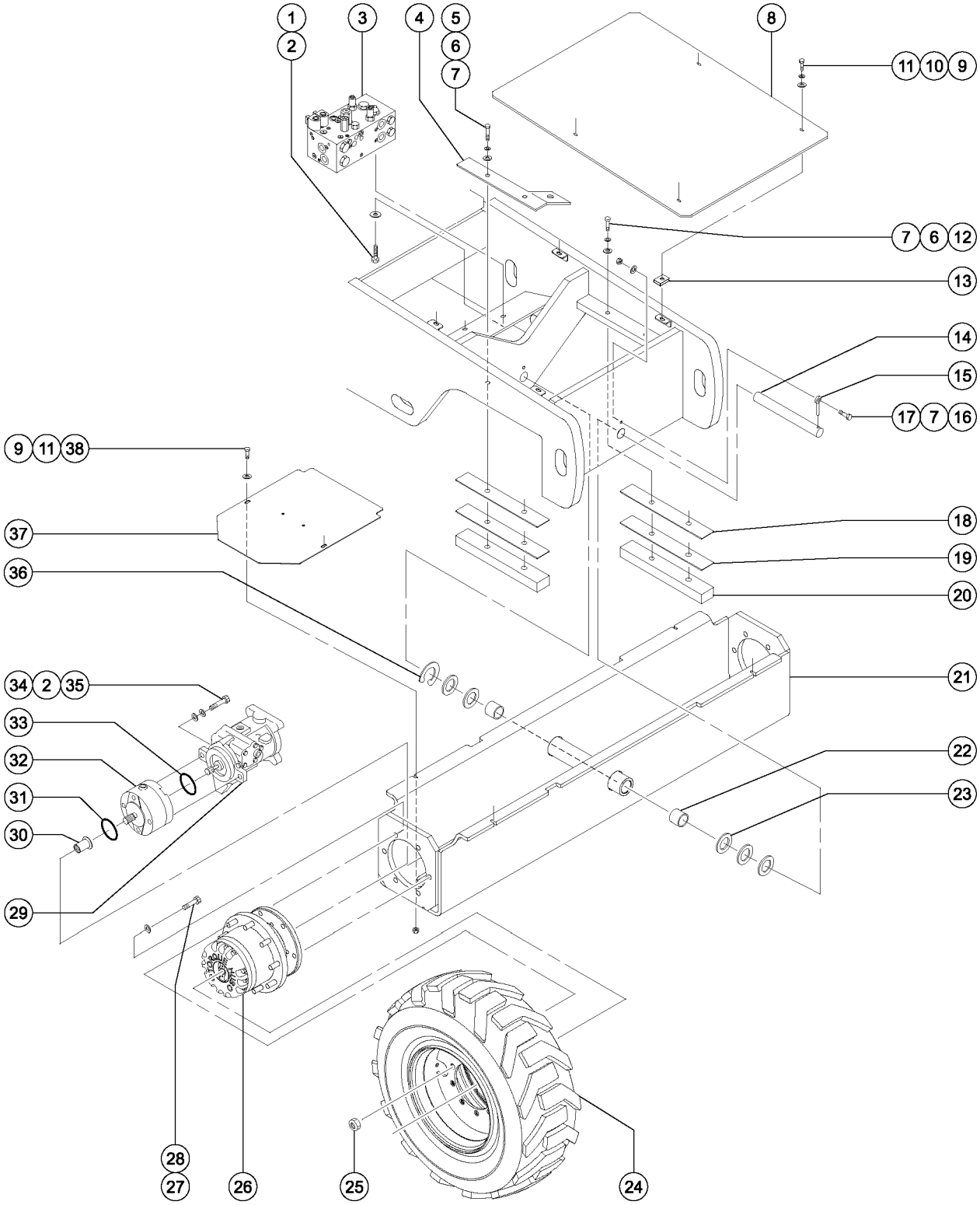
Item	Part No.	Description	Qty.
26B-	37097GT	O-RING, TORQUE HUB for 56338 torque hub	
26B-	21148GT	WASHER,THRUST,TORQUE HUB for 56338 torque hub	
26B-	21146GT	COVER CAP,TORQUE HUB*** for 56338 torque hub	
26B-	21144GT	CAP,DISENGAGE-45553 TORQUE HUB for 56338 torque hub	
26B-	74099GT	DISCONNECT ROD (56338) for 56338 torque hub	
26C	106148GT	WHEEL DRIVE,4HB,48:1*** from SN 17093; change to wheel drive requires replacement of both drive hubs at first-time replacement; after first-time replacement, refer to 'for 106148' below (Seal Kit 1286600, Bearing Kit 1286601)	2
26C-	58320GT	KIT,TORQUE HUB COVER(101584)** for 106148	
26C-	215777GT	INPUT CARRIER, SUB-ASSEMBLY for 106148	
26C-	106117GT	O-RING,2-010,VITON for 106148 (Mating O-ring for Brake Port)(Extremely small)	
26C-	1286600GT	SEAL KIT,WHEEL DRIVE (106148/106445/107712) for 106148 (inventory limited to stock on hand as component is no longer available)	
26C-	1286600GT	SEAL KIT,WHEEL DRIVE (106148/106445/107712) for 106148	
26C-	106120GT	WHEEL STUD, 4HP, 5/8-18*** for 106148	
26C-	106121GT	ROD,DISCONNECT 4HP/4HB*** for 106148	
26C-	106122GT	CAP,DISENGAGE,4HP/4HB*** for 106148	
26C-	106125GT	SEAL KIT, BRAKE, 4HP for 106148 (inventory limited to stock on hand as component is no longer available), replace by 1286602GT	
26C-	1286602GT	SEAL KIT,WHEEL DRIVE W/BRAKE (101584/101585) for 106148	
26C-	106123GT	O-RING,END COVER,4HP/4HB*** for 106148	
26C-	106124GT	LINING KIT, BRAKE, 4HP*** for 106148	
26C-	1286603GT	BEARING KIT,WHEEL DRIVE W/BRAKE (101584/101585) for 106148	
26C-	146051GT	BEARING NUT*** for 106148	
26C-	232486GT	SNAP RING,WHEEL DRIVE for 106148	
26C-	146052GT	SET SCREW*** for 146051	
26C-	9990074GT	COUPLING for 106148 (brake coupler)	
26C-	72307GT	SEAL KIT, TORQUE HUB(74097)* for 74097	
26C-	21149GT	LUG,WHEEL STUD,5/8-18,W1/4HB** for 74097	
26C-	21143GT	BEARING KIT (45553) TORQUE HUB for 74097	
26C-	58448GT	KIT,TORQUE HUB COVER (45553)** for 74097	

303.1 Non-steer Axle



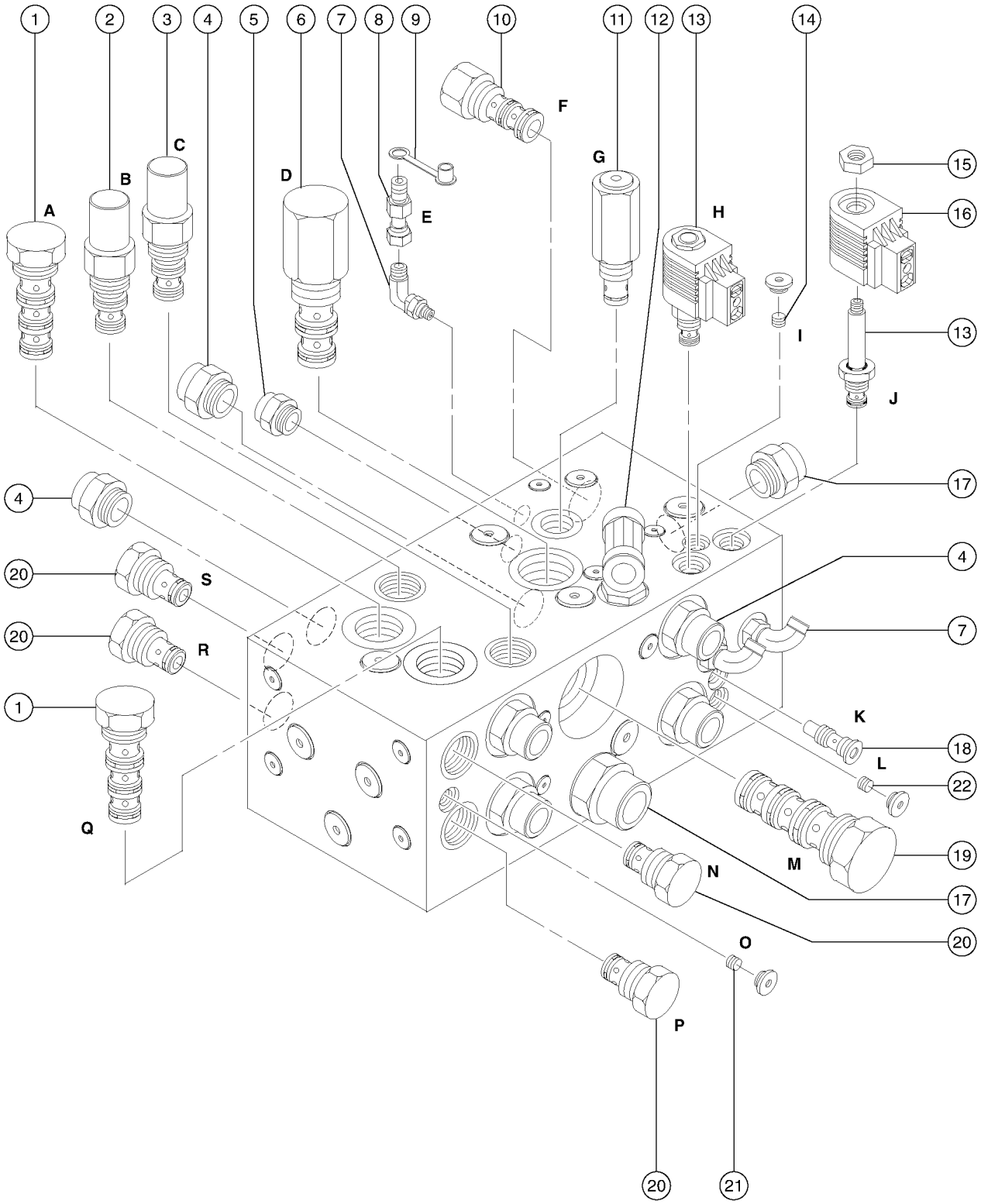
Item	Part No.	Description	Qty.
26C-	58438GT	KIT,COVER,TORQUE HUB,45553*** for 74097	
26C-	37097GT	O-RING, TORQUE HUB for 74097	
26C-	74375GT	WASHER,THRUST,TORQUE HUB,74097 for 74097	
26C-	21146GT	COVER CAP,TORQUE HUB*** for 74097	
26C-	58428GT	DISCONNECT ROD (74097) for 74097	
26C-	1302087GT	O-RING (9400134) for 58428	
27	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	12
28	13064GT	WASHER,FLAT,.625 HARDENED	12
29A	50419GT	MOTOR,HYD DRIVE,2 SPEED,4WD to SN 13318	2
29A-	29739GT	SEAL KIT,SAUER-DANFOSS M46***	
29A-	27067GT	SEAL,SHAFT-SUNDSTRAND***	
29B	54411GT	MOTOR,HYD,LV35,VAR,1DEG,4WD from SN 13319	2
29B-	65534GT	SEAL KIT-DRIVE MOTOR	
29B-	27067GT	SEAL,SHAFT-SUNDSTRAND***	2
30	38113GT	COUPLER,INTERNAL SPLINE,T-HUB	2
31	52087GT	O-RING,2-044 BUNA***	2
32A	41912GT	BRAKE,MICO,1200 IN/LB*** to SN 12197	2
32A-	41921GT	SEAL KIT,BRAKE,MICO	
32A-	41918GT	LINING KIT,MICO BRAKE	
32A-	41922GT	BEARING KIT,BRAKE,MICO	
32A-	72319GT	SPRING (RED) MICO For 41912; 8 required per brake	
32B	106150GT	BRAKE,SAE B-B,900IN LB*** from SN 12198 to SN 21178	2
32B-	65618GT	SEAL KIT,BRAKE*** for 106150 Ausco brake	
32B-	94880GT	BEARING KIT for 106150 Ausco brake	
32B-	106403GT	LINING KIT,BRK,WET*** for 106150 Ausco brake	
32B-	77240GT	SEAL KIT, AUSCO BRAKE*** for 74294 Ausco brake	
32B-	77239GT	LINING KIT,AUSCO BRAKE*** for 74294 Ausco brake	
32B-	65608GT	BEARING KIT, AUSCO*** for 54388 and 74294 Ausco brake	

303.1 Non-steer Axle



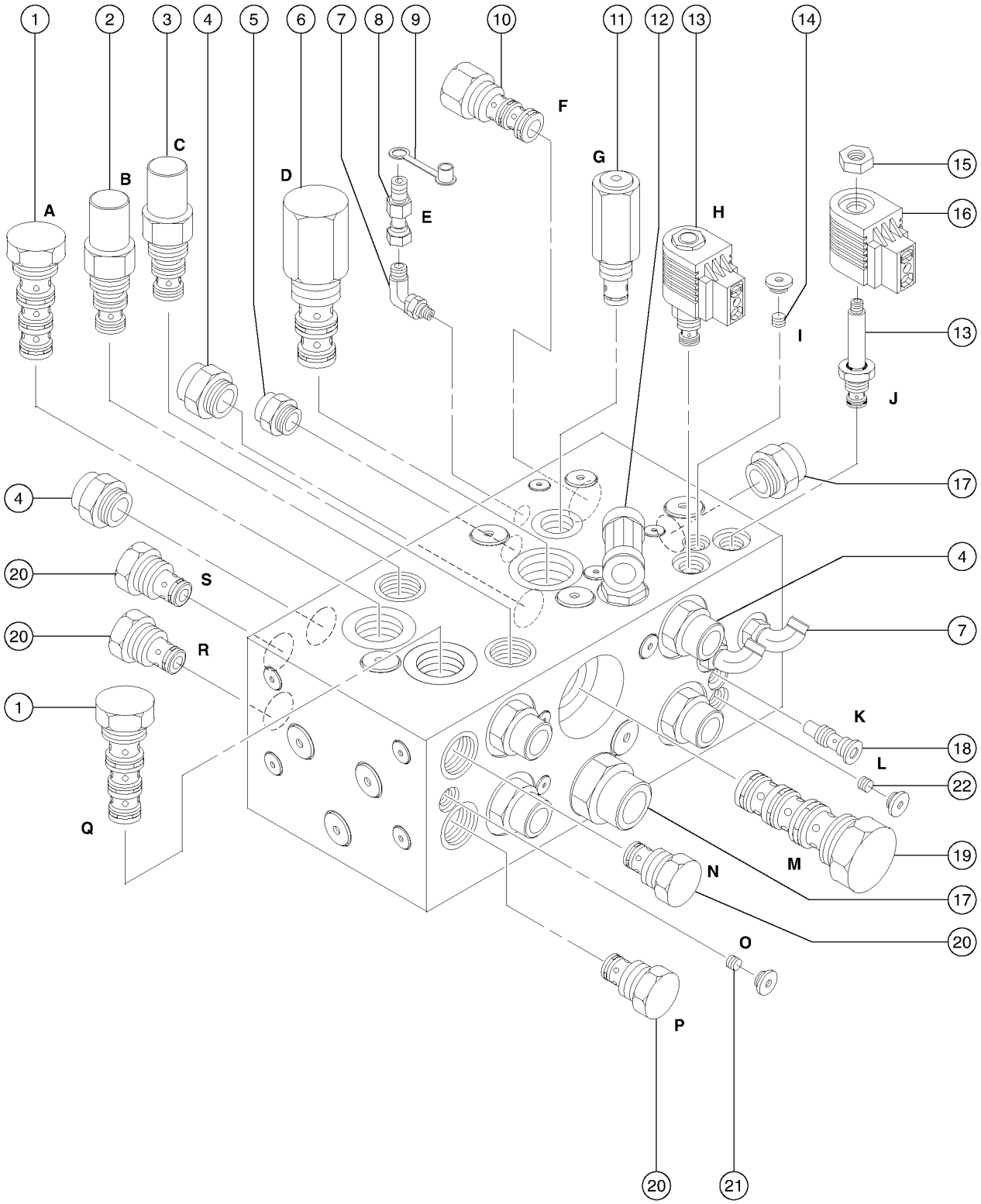
Item	*Part No.*	*Description*	*Qty.*
32B-	65606GT	SEAL KIT, AUSCO BRAKE(54388) for 54388 Ausco brake	
32B-	65607GT	LINING KIT, AUSCO BRAKE(54388) for 54388 Ausco brake	
33	22811GT	O-RING,MOTOR TO BRAKE***	2
34	42360GT	SCREW,SHC,1/2-13 X 4 ZINC	4
35	13066GT	WASHER,FLAT,.5 HARDENED	7
36	54557GT	SHIM,AXLE PIN,1.50"	1
37A	50355-SGT	COVER,DRIVE CHASSIS MOTOR to SN 17543	2
37B	77020GT	COVER,FORMED REAR AXLE,WIDE from SN 17544 to SN 18756	2
37C	77153GT	COVER,FORMED REAR AXLE,WIDE from SN 18757	2
38	6889GT	NUT,LP NYLOCK,1/4-20	4

304.1 Drive Manifold



Item	Part No.	Description	Qty.
	54699GT	MANIFOLD,4WD TRACT.W/FITTINGS	
	54699GT	MANIFOLD,4WD TRACT.W/FITTINGS	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	52726GT	VALVE,FLOW DIVIDER/COMBINER	2
2	52723GT	VALVE-FLOW REGULATOR 2 GPM	1
3	54815GT	VALVE-FLOW REGULATOR 1.0GPM	1
4	48933GT	CONN,520120-8***	8
5	48905GT	CONNECTOR, 520120-4	1
6	52720GT	VALVE-DIRECT. CONTRL-2POS. 2WA	1
7	48904GT	ELBOW, 90D, 520220-4	3
8	49207GT	NIPPLE,DIAGNOSTIC,ORFS,FM,SWIV	1
8	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	1
9	48880GT	CAP,DIAGNOSTIC NIPPLE	1
10	54572GT	VALVE	1
11	31406GT	VALVE,RELIEF 250 PSI***	1
12	48936GT	TEE,BRANCH,520429-8	1
13	65766GT	VALVE,SOLENOID,10V W/DIODE*** includes 1 each of index numbers 15 and 16	2
14	52724GT	PLUG,ORIFICE,0.030 (50684)	1
15	45912GT	NUT,SOLENOID VALVE 2P3W	2
16	43601GT	COIL,SOLENOID VLV,10V W/ DIODE	2
17	48960GT	FITTING,CONN,520120-12***	3
18	43599GT	VALVE,CHECK	1
18-	110200GT	SEAL KIT, VALVE, #4	
19	33521GT	VALVE,FLOW DIVIDER/COMBINER	1
20	27836GT	VALVE,CHECK,5 PSI	4
21	65449GT	PLUG,ORIFICE, 0.052 (40033)	1

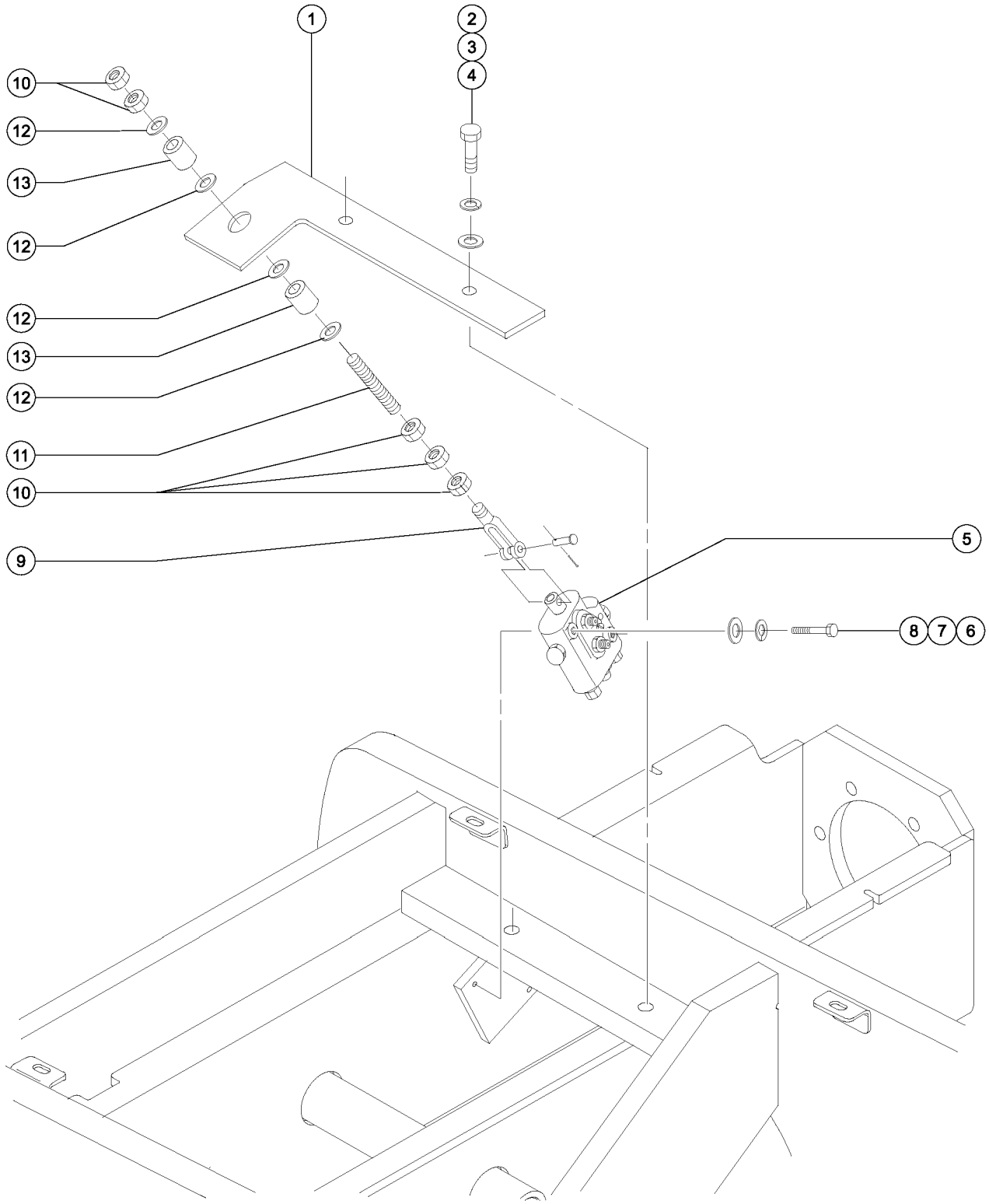
304.1 Drive Manifold



304.1 Drive Manifold

Item	Part No.	Description	Qty.
22	74990GT	ORIFICE, 0.025"(74129)*	1
A		Flow divider/combiner valve Control flow to non-steer end drive motors in forward and reverse	
B		Flow regulator valve Non-steer end drive motor circuit	
C		Flow regulator valve Steer end drive motor circuit	
D		Directional control 2-speed motor shift circuit	
E		Diagnostic fitting Testing	
F		Shuttle valve, Drive circuit	
G		Relief valve Charge pressure circuit	
H		Solenoid valve, 2-speed motor shift	
I		Orifice - Plug Brake and 2-speed circuit	
J		Solenoid valve Braking	
K		Check valve 2-speed motor shift circuit	
L		Orifice - Plug 2-speed motor shift circuit	
M		Flow divider/combiner valve Controls flow to divider/combiner valves A and Q	
N		Check valve Steer end drive motor circuit	
O		Orifice - Plug Drive circuit	
P		Check valve Steer end drive motor circuit	
Q		Flow divider/combiner valve Controls flow to steer end drive motors in forward and reverse	
R		Check valve Non-steer end drive motor circuit	
S		Check valve Non-steer end drive motor circuit	

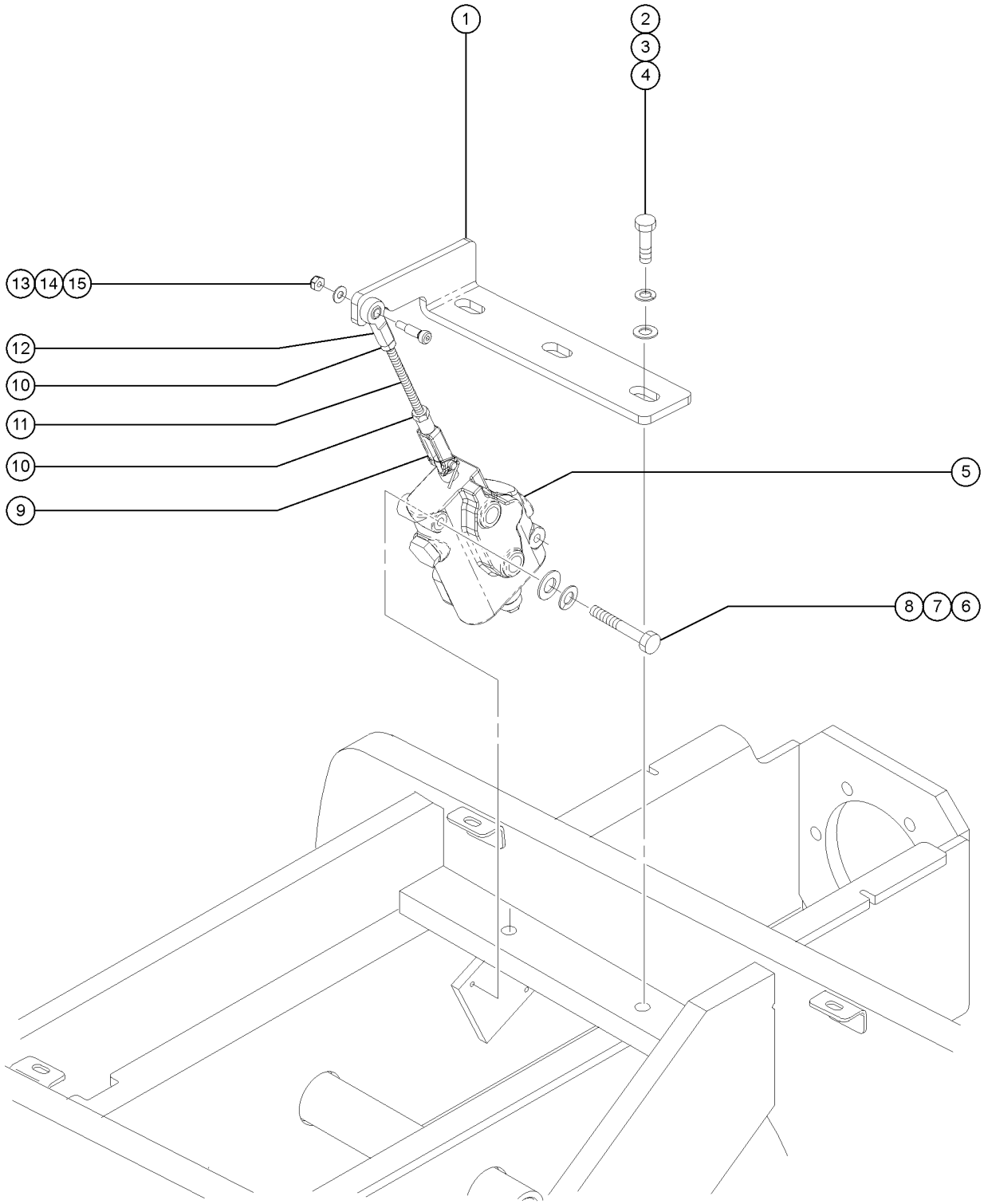
305.1 Oscillation Valve



305.1 Oscillation Valve

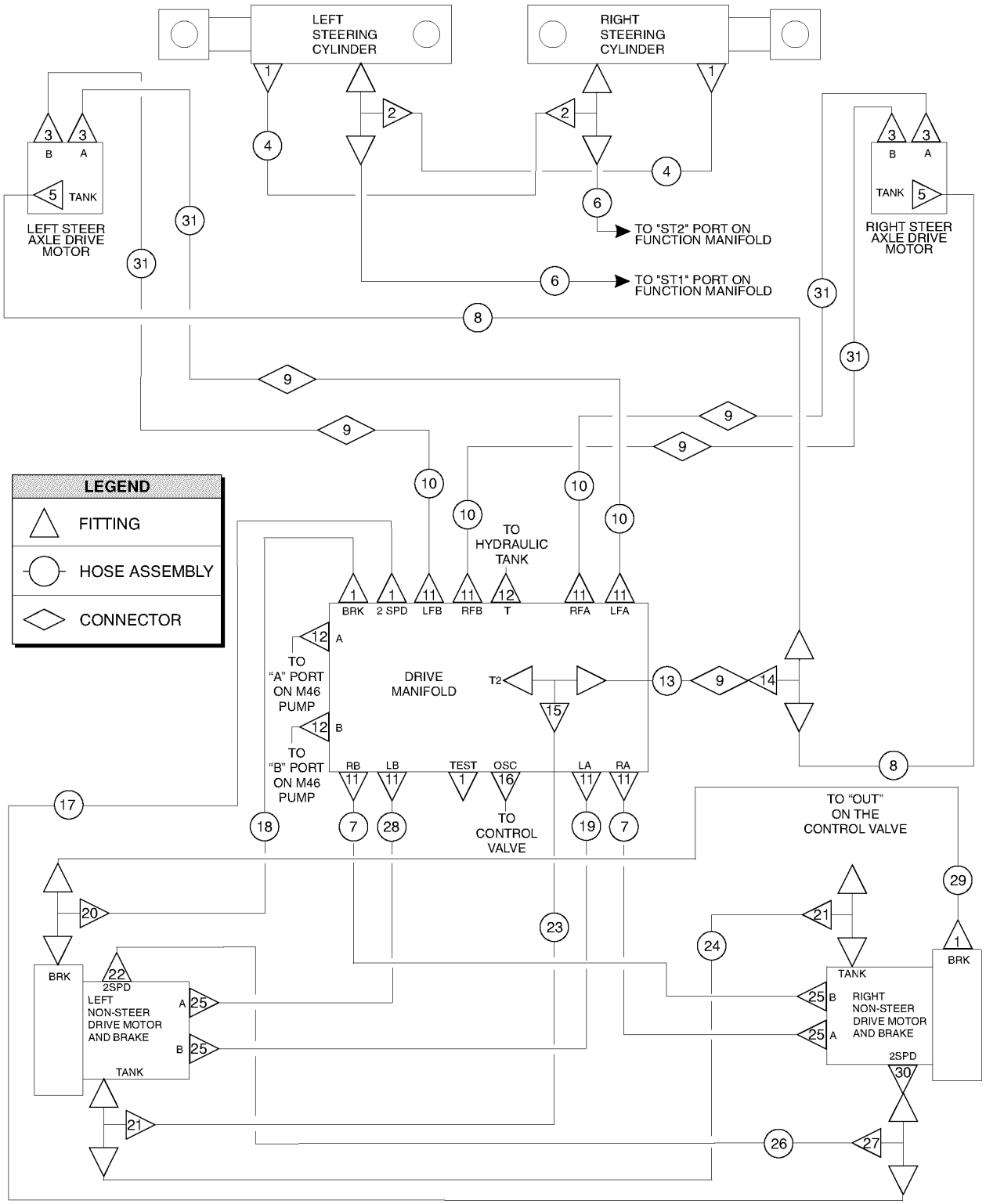
Item	*Part No.*	*Description*	*Qty.*
1		Ref., PLATE,BRACKET,OSC VALVE refer to 305.2	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	2
3	6021GT	WASHER, LOCK, .375	2
4	5397GT	WASHER, FLAT, USS, 5/16-18	2
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5	32681GT	SEAL KIT,CONTROL VALVE	1
6	6637GT	SCREW,HHC,1/4-20 X 1.75	2
7	6356GT	WASHER, LOCK, .25	2
8	25926GT	WASHER,FLAT,M6 PLTD.	1
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
10	21496GT	NUT,HEX,1/4-28	5
11	30785-600GT	THREADED ROD,1/4-28 X 6 IN***	1
12	6638GT	WASHER, FLAT, USS, 1/4"Y	4
13	54127GT	SPRING, OSCILLATE LINKAGE component no longer available; limited inventory on hand	2

305.2 Oscillation Valve



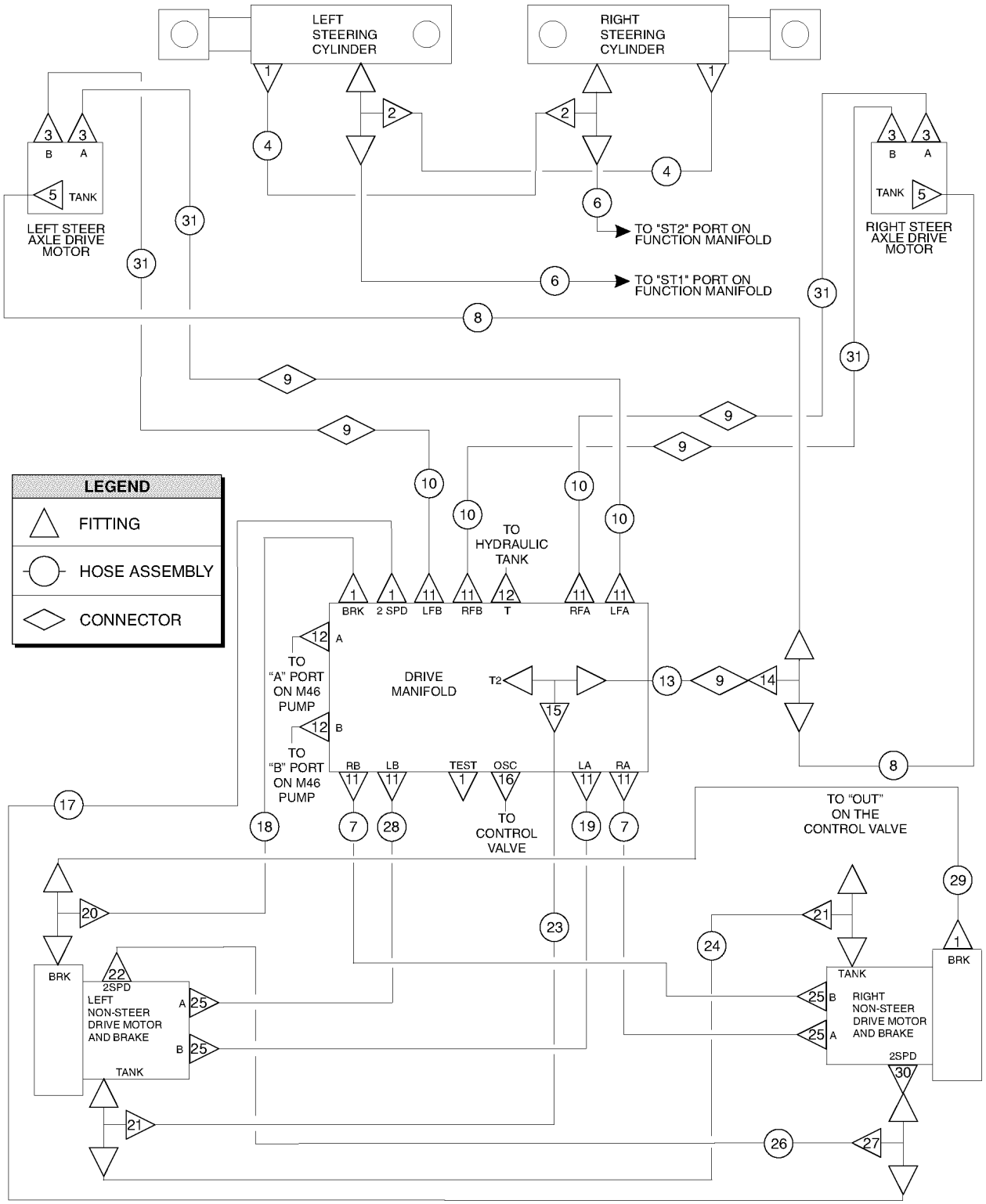
Item	Part No.	Description	Qty.
	T111453GT	KIT,OSCILLATE LINKAGE includes items 1 and 9-15	
1	T107284GT	BRACKET,OSCILLATING VALVE	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	3
3	6021GT	WASHER, LOCK, .375	3
4	5397GT	WASHER, FLAT, USS, 5/16-18	3
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5-	32681GT	SEAL KIT,CONTROL VALVE for 49768	
6	4266GT	SCREW,HHC,1/4-20 X 2	2
7	6356GT	WASHER, LOCK, .25	2
8	6638GT	WASHER, FLAT, USS, 1/4"Y	2
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
10	21496GT	NUT,HEX,1/4-28	2
11	30785-500GT	THREADED ROD,1/4-28 X 5 IN	1
12	81691GT	ROD END,BALL JOINT 1/4-28	1
13	5365GT	NUT,NYLOCK,10-24	1
14	6146GT	WASHER,FLAT,MS,#10,Y	1
15	6584GT	SCREW,SHS,10-24 X .625	1

306.1 Hydraulic Hoses and Fittings - Drive and Steer System



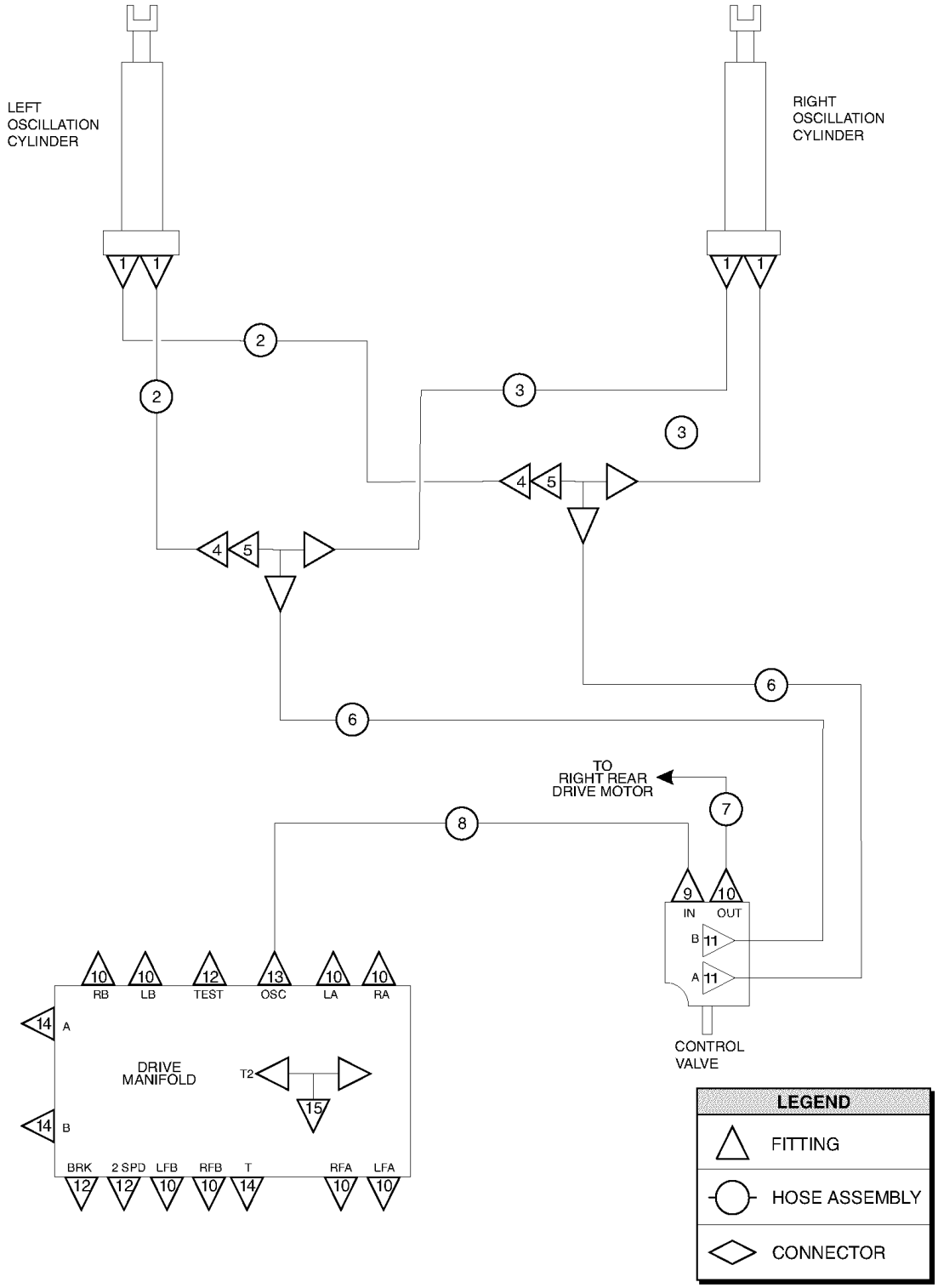
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48904GT	ELBOW, 90D, 520220-4	6
2	48906GT	TEE,RUN,520428-4	2
3	48946GT	CONN,520120-8-10	4
4	49119-3078GT	HOSE ASSY 1/4, STR FEM,STR FEM	2
5	48930GT	CONN,520120-6-8	2
6	49117-14391GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
7	49107-3463GT	HOSE ASSY,DMANIF/LR&RR BRAKE	2
8	49133-5140GT	HOSE ASSY,T FITTING/DRIVEMOTOR	2
9	48894GT	CONN,BULKHEAD,520601-8 to SN 20422	5
9	77309GT	NUT,BULKHEAD,520118-8 from SN 20423	5
10	81812-7628GT	ASSY,HOSE,HYD,-8,4250,STR,STR	4
11	48933GT	CONN,520120-8***	8
12	48960GT	FITTING,CONN,520120-12***	3
13	49141-5863GT	HOSE ASSY,1/2,45 FEM,STR FEM** to SN 20422	1
13	77311-5906GT	HOSE ASSY,BRKT./D.MANIFOLD from SN 20423	1
14	48939GT	TEE,BRANCH,520433-8	1
15	48936GT	TEE,BRANCH,520429-8	1
16	48905GT	CONNECTOR, 520120-4	1
17	49118-5908-SGT	HOSE ASSY,1/4",90 FEM,STR F to SN 20422	1
17	49117-5891GT	HOSE ASSY,1/4,90 FEM,STR FEM from SN 20423	1
18	49117-5091GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
19	49107-3863GT	HOSE ASSY,DMANIF/LR DRV MOTOR	1
20	48890GT	FITTING,TEE,BRANCH,520429-4***	1
21	48935GT	TEE,RUN, 520428-8	2
22	48912GT	CONN,520120-4-6***	1
23	49143-3729GT	HOSE ASSY,1/2,90 FEM,STR FEM	1

306.1 Hydraulic Hoses and Fittings - Drive and Steer System



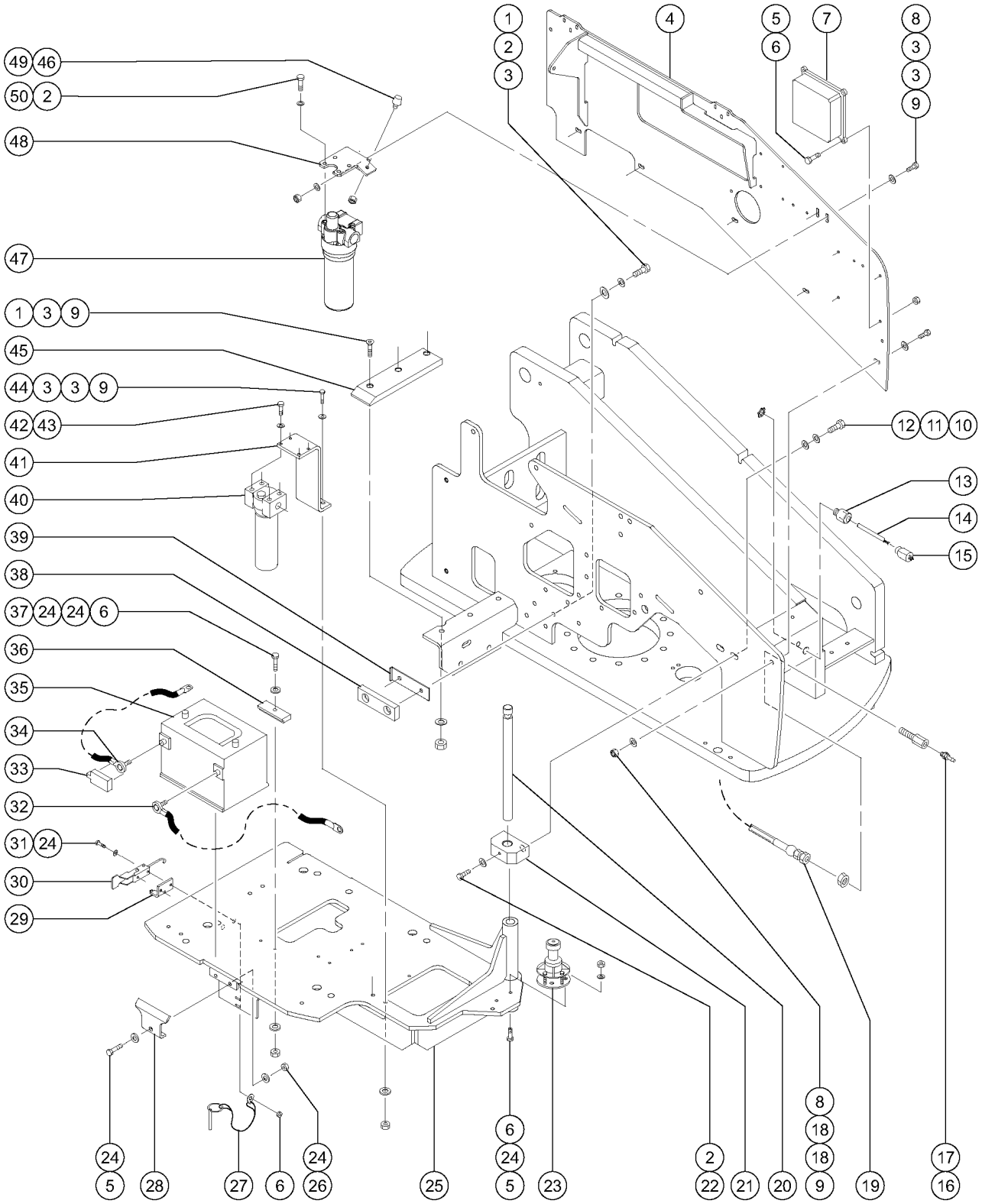
Item	Part No.	Description	Qty.
24	49143-4229GT	HOSE ASSY,1/2,90 FEM,STR FEM oscillate models	1
24	49183-4092GT	HOSE ASSY,1/2,STR FEM,STR FEM non-oscillate models	1
25	48948GT	CONN,520120-8-12	4
26	49118-4408GT	Hose Assembly - Components: @ 42 inches (106.7 cm) to SN 20422	1
26	49117-4391GT	HOSE ASSY,1/4,90 FEM,STR FEM from SN 20423	1
27	48919GT	TEE,BRANCH,520429-6 to SN 20422	1
27	48891GT	FITTING,TEE,BRANCH,520433-4 from SN 20423	1
28	49107-3463GT	HOSE ASSY,DMANIF/LR&RR BRAKE to SN 20422	1
28	49110-3392GT	HOSE ASSEMBLY-1/2" 100R2 from SN 20423	1
29	49117-5891GT	HOSE ASSY,1/4,90 FEM,STR FEM	1
30	48912GT	CONN,520120-4-6*** from SN 20423	1
31	49107-3463GT	HOSE ASSY,DMANIF/LR&RR BRAKE to SN 20422	4
31	77312-3577GT	HOSE ASSY,DMANIF/LR&RR BRAKE to SN 20421	4

307.1 Hydraulic Hoses and Fittings - Oscillate System



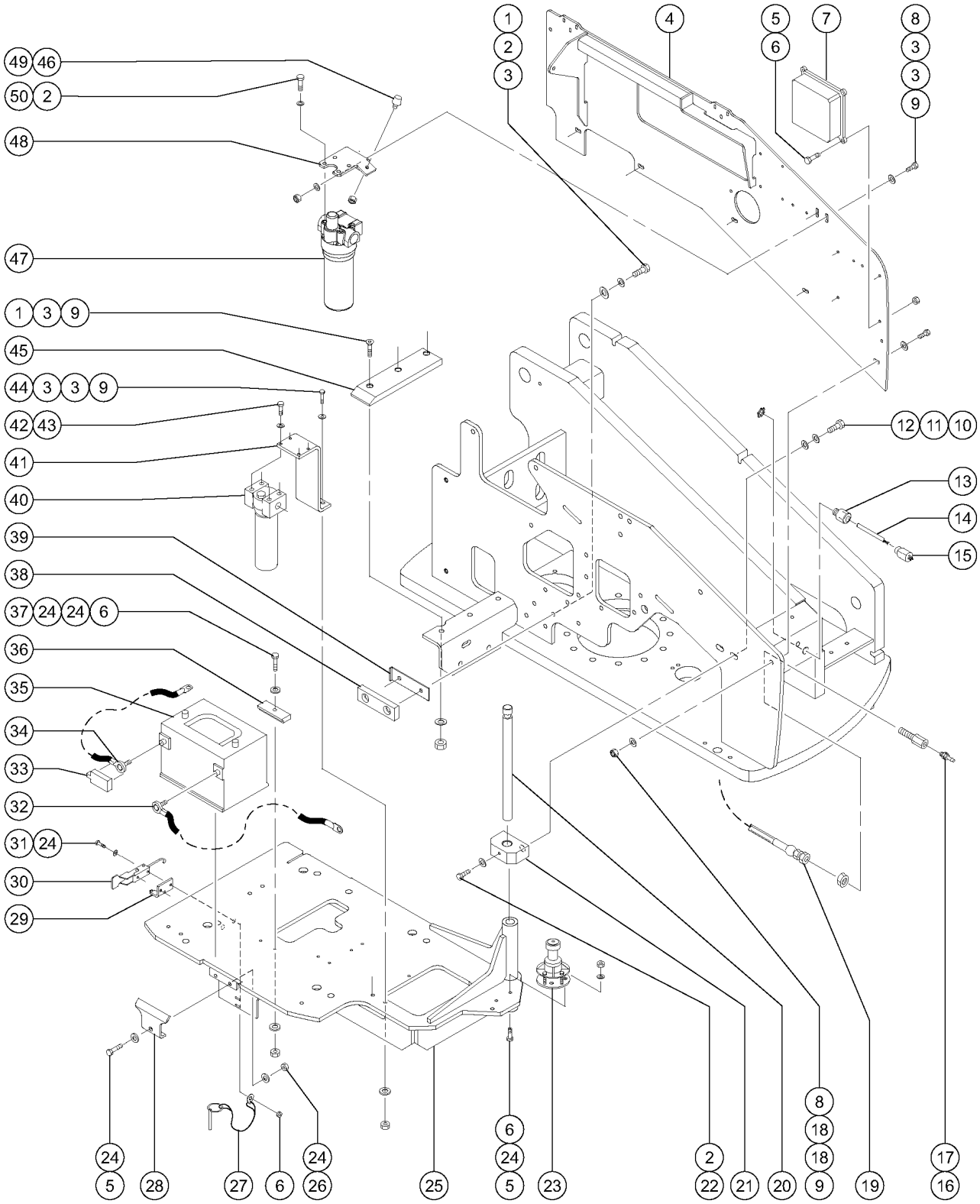
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48912GT	CONN,520120-4-6***	4
2	49117-2091GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
3	49117-3191GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
4	54132GT	ELBOW,SWIVEL 90D, 520221-4 to SN 20422	2
5	48909GT	TEE,BULKHEAD,RUN,520958-4 to SN 20422	2
5	48891GT	FITTING,TEE,BRANCH,520433-4 from SN 20423	2
6	49119-9778GT	HOSE ASSY,1/4,STR FEM,STR FEM to SN 20422	2
6	88636-9073GT	HOSE ASSY 1/4,STR FEM,STR BULK from SN 20423	2
6	75574GT	NUT,BULKHEAD,520118-4 from SN 20423 (item sold seperately)	2
7	49143-3729GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
8	49118-3808GT	HOSE ASSY,D.MANIF/CONTR.VALVE to SN 20422	1
8	49117-3791GT	HOSE ASSY,1/4,90 FEM,STR FEM** from SN 20423	1
9	48930GT	CONN,520120-6-8 to SN 20422	1
9	48914GT	CONN,520120-4-8 from SN 20423	1
10	48933GT	CONN,520120-8***	9
11	48911GT	ELBOW,90D,520220-4-6***	2
12	48904GT	ELBOW, 90D, 520220-4	3
13	48905GT	CONNECTOR, 520120-4	1
14	48960GT	FITTING,CONN,520120-12***	3
15	48936GT	TEE,BRANCH,520429-8	1

401.1 Engine Pivot Plate Components



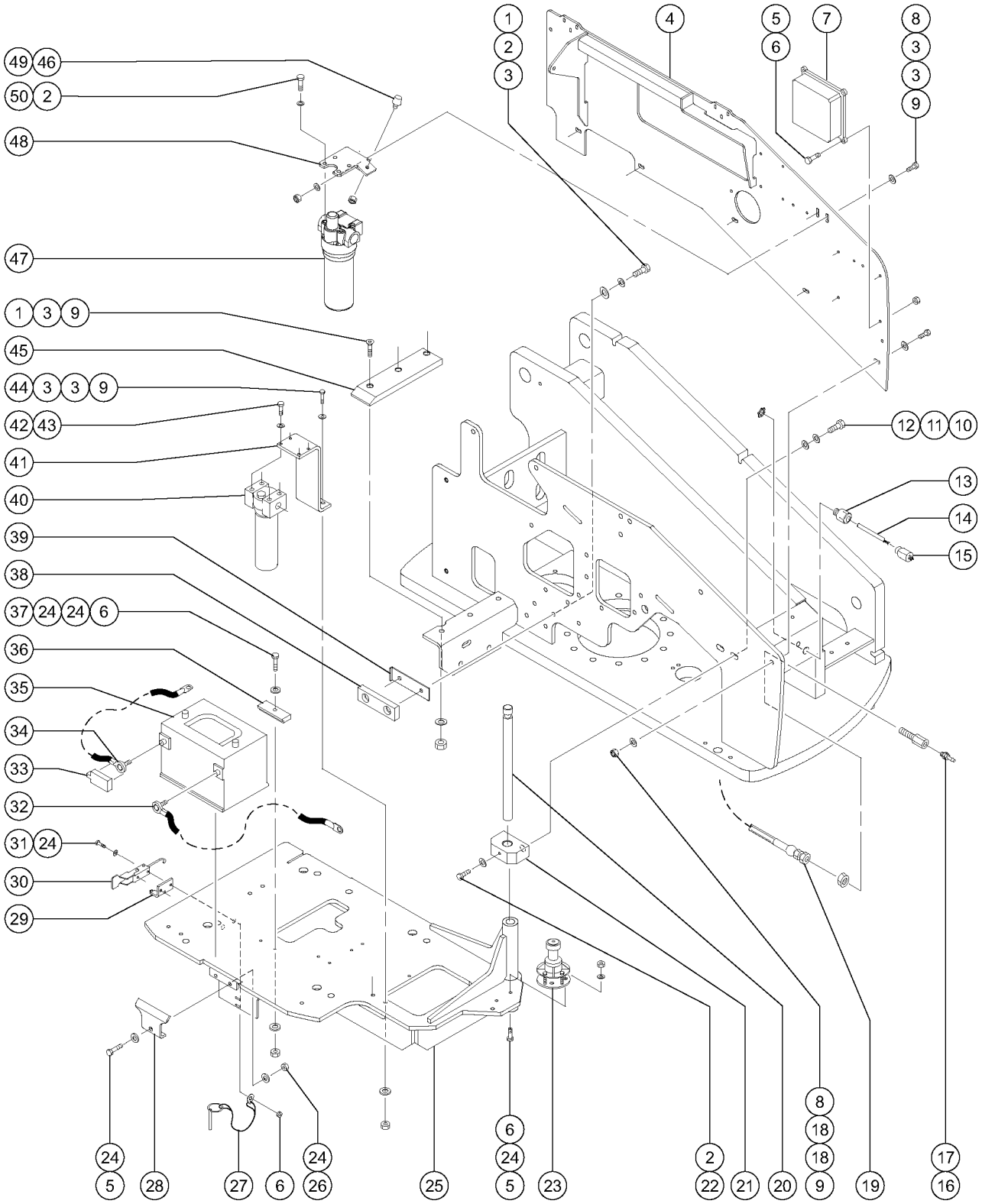
Item	Part No.	Description	Qty.
1	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	5
2	6021GT	WASHER, LOCK, .375	7
3	5397GT	WASHER, FLAT, USS, 5/16-18	13
4	50794GT	WELDMENT,BULKHEAD ENGINE SIDE	1
5	6888GT	SCREW, HHC, 1/4-20 X 1 Gasoline/LPG models	7
5	6888GT	SCREW, HHC, 1/4-20 X 1 Diesel models	3
6	6091GT	NUT,NYLOCK,1/4-20 Gasoline/LPG models	9
6	6091GT	NUT,NYLOCK,1/4-20 Diesel models	5
7		Ref. Electronic Control Module (ECM) Gasoline/LPG models (refer to 402.1)	5
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
9	4828GT	NUT, NYLOCK, 3/8-16	13
10	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	2
11	6036GT	WASHER,LOCK,.625 PLTD	2
12	13064GT	WASHER,FLAT,.625 HARDENED	2
13	54120GT	CONN,STRAIN RELIEF,LP,1/2 NPT	1
13	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
14	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	732
15	119403GT	CONN,PLUG 120 AC/15A DOMESTIC shown	1
15	1280665GT	PLUG, TYPE F, 230A, 50HZ, 16A, IP44	1
15	144161GT	PLUG,PWR,UK,16AMP,3PIN,BLK	1
15	25388GT	PLUG,FUSED,250V,13AMP,U.K.**	1
15		FUSE,13 AMP,220V PLUG (component no longer available) refer to BS1362 BUSS TDC180-13A	1
16	28646GT	ZERK,GREASE,1/8 NPT	1
17	48885GT	CONNECTOR,BULKHEAD,FEMALE-4	1
18	6097GT	WASHER, FLAT, USS, 3/8", Y	12
19	54088-3438GT	HOSE ASSY,1/4",100R1,FEM/FEM to SN 16391	1
19	54953-3408GT	HOSE ASSY,LUBE RINGGEARBEARING from SN 16392	1
20	107803GT	PIN,1.00DIAX15.56LG,CHAMFER	1

401.1 Engine Pivot Plate Components



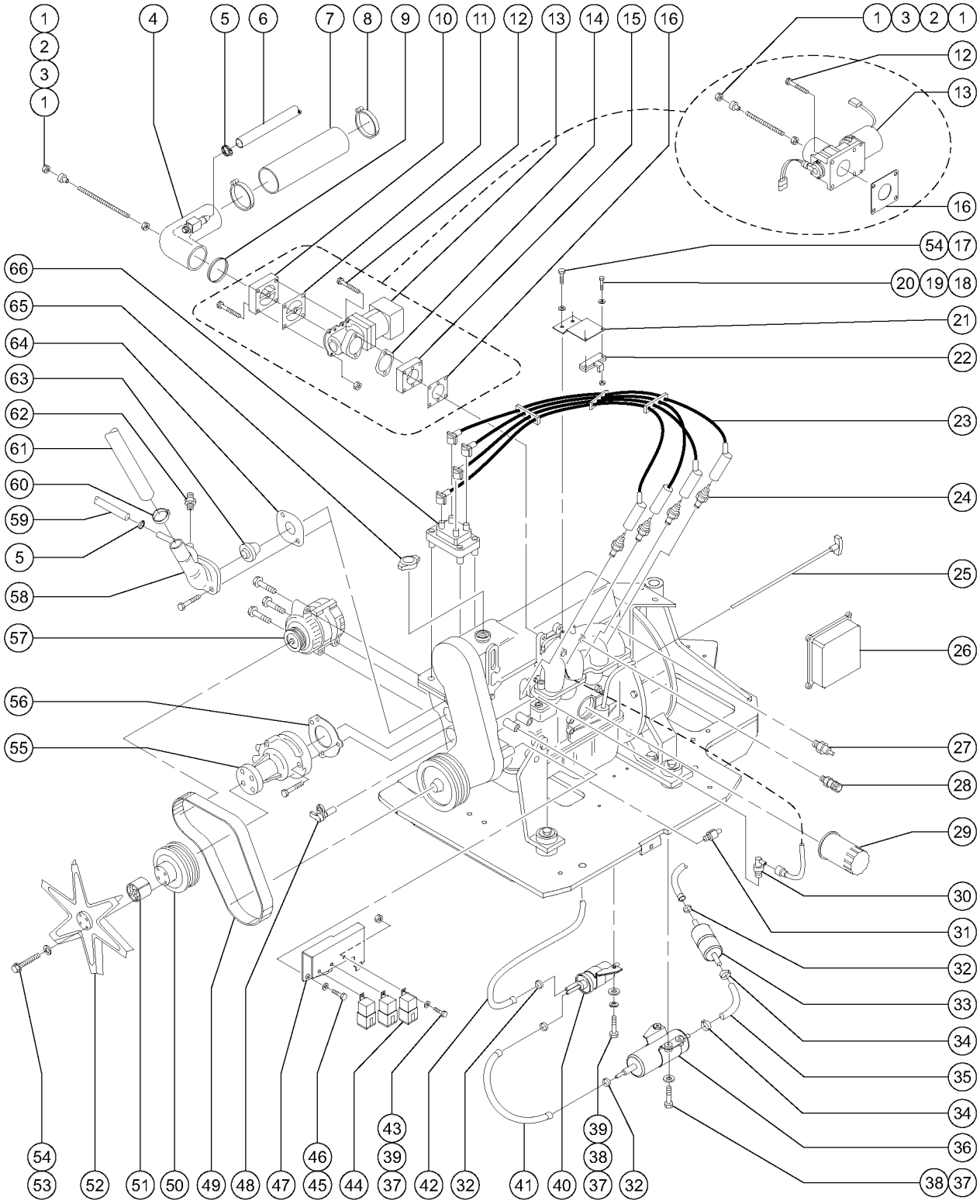
Item	Part No.	Description	Qty.
21	50427GT	EAR,ENGINE TRAY PIVOT	1
22	6175GT	SCREW,HHC,3/8-16 X 1	1
23	44586GT	SENSOR,LEVEL 4.5*** to SN 20532	1
23	23083-SGT	FUSE HOLDER,WATERPROOF	1
23	27488GT	FUSE,1 AMP	1
23	94077GT	SENSOR,LEVEL,4.5 DEG from SN 20533	1
23	1260218GT	HARNESS,TILT ALARM,12V for CSA models from SN 19812	1
23	1264947GT	KIT, LEVEL SENSOR, 6 PIN CONN for CSA models with 6-pin connectors from SN 19812	1
24	6638GT	WASHER, FLAT, USS, 1/4"Y	6
25	101044GT	PLATE,ENGINE TRAY***	1
26	6889GT	NUT,LP NYLOCK,1/4-20	1
27	54432GT	LANYARD,LYNCH PIN ASSY	1
28	60081-SGT	BRACKET,BATTERY HOLD DOWN	1
29	54244-SGT	BRACKET,LATCH MOUNT,RH**	1
30	27126GT	LATCH,DRAW,ADJUSTABLE	1
31	8915GT	SCREW, HHC, 1/4-20 X 1.25	2
32	54252GT	BATTERY CABLE,SIDE MOUNT,NEG Ford and Deutz models	1
32	54062GT	BATTERY CABLE ASSY,NEG,42" Perkins models	1
33	8910GT	BOOT,CABLE TERM,MED.RED,4/0	1
34	33802GT	BATTERY CABLE,SIDE MOUNT,POS. Ford models	1
34	54251GT	BATTERY CABLE,SIDE MOUNT,POS Deutz models	1
34	54066GT	BATTERY CABLE ASSY,POS,60" Perkins models	1
35	36872GT	BATTERY, 12V	1
36	60078GT	BATTERY HOLD DOWN	1
37	6637GT	SCREW,HHC,1/4-20 X 1.75	1
38	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	1
39	42502GT	SHIM,SIDE PAD 22GA.	2
40A		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1

401.1 Engine Pivot Plate Components



Item	Part No.	Description	Qty.
40A-	20880GT	FILTER ELEMENT-10 MIC.*** for 20879	1
40A-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
40B	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
40B-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
41	50696PGT	BRACKET,MID PRES OIL FILTER,PA	1
42	6090GT	SCREW, HHC, 1/4-20 X .75	4
43	6356GT	WASHER, LOCK, .25	4
44	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
45	50519GT	LOAD PAD,ENGINE TRAY SUPPORT	1
46	6782GT	NUT, NYLOCK, 5/16-18	1
47A	50530GT	RETURN FILTER ASSY 6 MICRON to SN 20757	1
47A-	52756GT	FILTER,ELEMENT,F'GLASS,6 MICRN for 50530	1
47A-	52768GT	GAUGE,MED.PRESSUR FILTER,50530 for 50530	1
47B	60334GT	FILTER ASSY,HIGH PRESS SAE-12* from SN 20758 (shown)	1
47B-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 60334	1
48	50744GT	BRACKET,RETURN FILTER** to SN 20757	1
48	88269GT	BRACKET,HIGH PRESSURE FILTER from SN 20758	1
49	50945GT	SUPPORT PAD ENGINE COVER to SN 20757	1
49	30973GT	BUMPER,RUBBER-1 X 1.25 from SN 20758	1
50	8255GT	SCREW,HHC,3/8-16 X .75	4

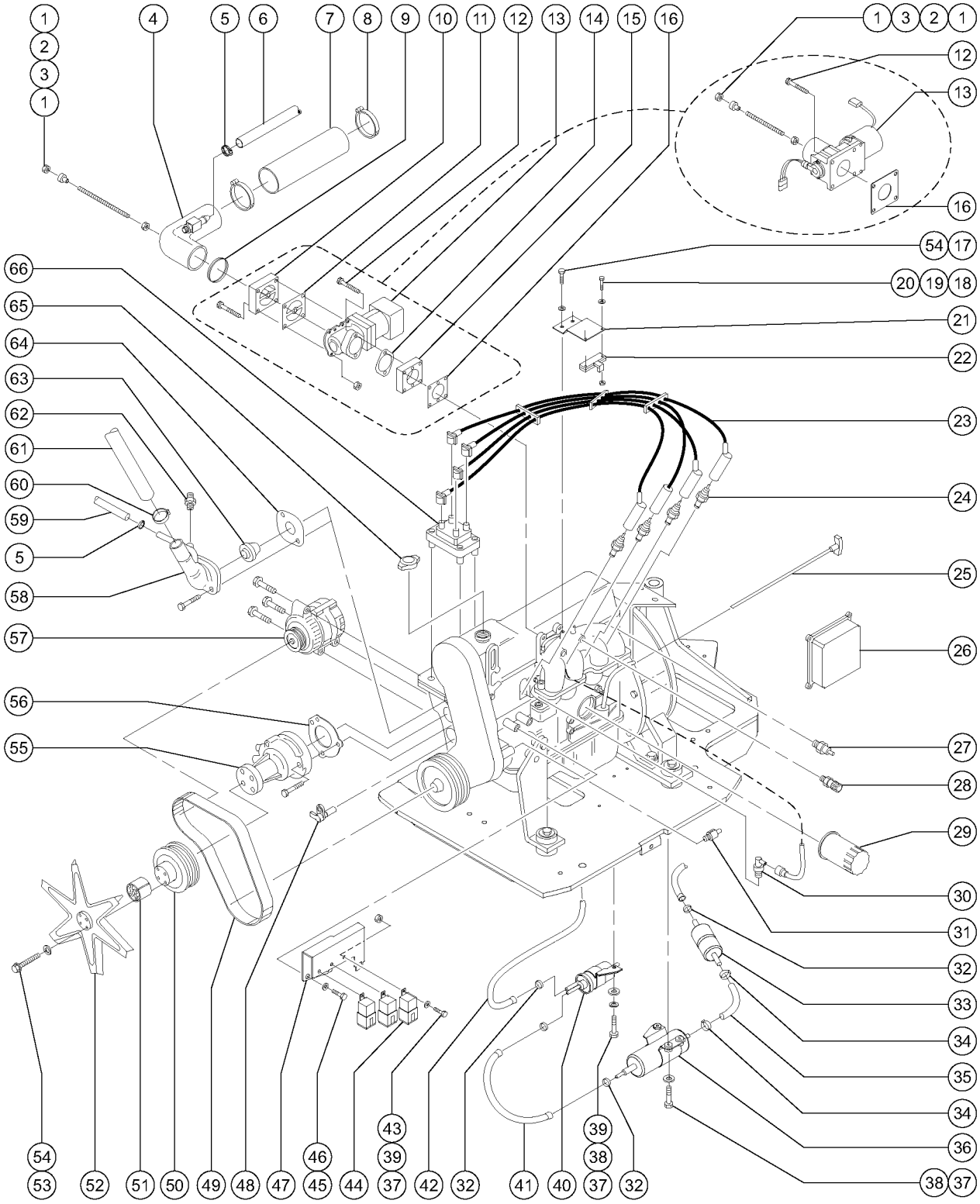
402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)



402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)

Item	Part No.	Description	Qty.
	49735GT	ENGINE,FORD LRG 425,EFIZ45 (remanufactured long block only, does not include starter, alternator, radiator or fuel system)	
	54056-SGT	HARNESS,ENGINE,Z45 IC GAS**** from SN 9996 to SN 16825	
	77042GT	HARNESS,ENGINE,Z45 IC FORD from SN 16826 to SN 19393	
	65770GT	BELT,TIMING,FORD LRG423/425EFI	
1	6091GT	NUT,NYLOCK,1/4-20 to SN 19393	4
2	18504GT	NUT,LOCKING-LG.FLANGE,1/4-20 to SN 19393	1
3	49736GT	POST, ALL THREAD, 1/2-13X 9.00 to SN 13105	1
3	27507GT	THREADED ROD,1/4-20,4.5" from SN 13106 to SN 19393	1
4	24552GT	VENTURI,BEAM (FORD) *** to SN 19393	1
5	46131GT	CLAMP,HOSE,.63" - 1.0" X .5" to SN 19393	2
6	54209GT	HOSE,1/2" X 24" LG to SN 19393	24 inches
7	50799GT	HOSE,AIR CLEANER,FORD EFI to SN 19393	1
8	30971GT	CLAMP,HOSE,3.00" to SN 19393	2
9	65455GT	GASKET-VENTURI BEAM (FORD) to SN 19393	1
10	48471GT	ADAPTER,LP VENTURI to SN 19393	1
11		GASKET,LP ADAPTER to SN 19393 (no longer available)	1
12	49386GT	SCREW,HHC,M8 X 40 to SN 19393	2
13A		KIT,FORD EFI UPDATE,BASE*** to SN 13105, (no longer available)	1
13B		ACTUATOR, FORD EFI PRECISION from SN 13106 to SN 19393; component no longer available	1
13C	88451GT	THROTTLE ACTUATOR*(BOSCH) models with EFI update kit ONLY	
14	52577GT	GASKET - THROTTLE BODY, 425EFI to SN 13105	1
15	88455GT	ADAPTER,THROTTLE ACTUATOR*** to SN 13105	1
16	52579GT	GASKET,ADAPTER PLATE,425EFI*** to SN 19393	1
17	23057GT	SCREW,HHC,M8 X 20MM to SN 19393	2
18	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25 to SN 19393	2
19	6146GT	WASHER,FLAT,MS,#10,Y to SN 19393	4
20	6178GT	NUT, NYLOCK, 10-32 to SN 19393	2

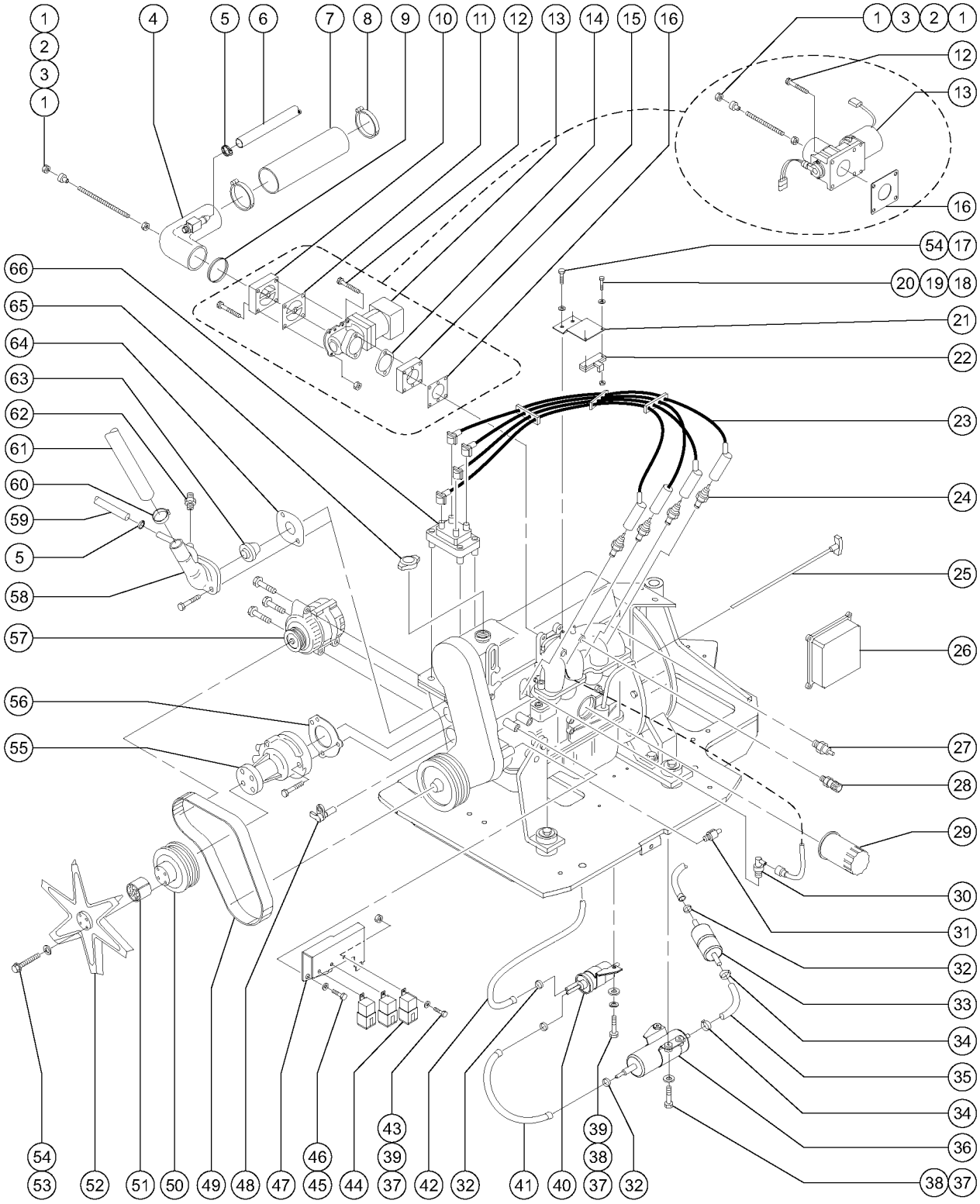
402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)



402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)

Item	Part No.	Description	Qty.
21	54531PGT	BRACKET,MAP SENSOR,PAINTED to SN 19393	1
22	49898GT	MAP SENSOR, EFI to SN 19393	1
23	52570GT	SPARK PLUG WIRE SET, LRG425EFI to SN 19393	1
24	28647GT	SPARK PLUG,FORD to SN 19393	4
24	52656GT	FUEL INJECTOR, LRG-425 EFI to SN 19393 (not shown)	4
25	52566GT	DIPSTICK, OIL LEVEL,LRG425 EFI to SN 19393	1
26		KIT,FORD EFI UPDATE,BASE*** to SN 13104, (no longer available)	1
26		KIT,FORD EFI UPDATE,BASE*** from SN 13105 to SN 17341, (no longer available)	1
26		KIT,FORD EFI UPDATE,BASE*** from SN 17342 to SN 19393,(no longer available)	1
27	28713GT	SWITCH,OIL PRESSURE,CLOSED*** to SN 17340	1
27	77114GT	SWITCH,OIL PRES.FORD,NORM.OPEN from SN 17341 to SN 19393	1
28	52652GT	SENSOR,AIR TEMP,LRG-425 EFI*** to SN 19393	1
29	28656GT	FILTER,OIL,FORD Genie genuine part	1
29-	1259054GT	FILTER, OIL, FORD Genie aftermarket part	
30	33957GT	VALVE,PCV-FORD LRG*** to SN 19393	1
31	58900GT	SENSOR,CAM,EFI*** to SN 19393	1
32	54123GT	CLAMP,HOSE,1 EAR, 5/8 to SN 19393	4
33	1272019GT	FILTER, FUEL	
34	21465GT	CLAMP,HOSE, .25" TO .63" X .3125" to SN 19393	2
35	27089GT	HOSE,5/16 FUEL,SAE 30R7 to SN 19393	2
36A	77355GT	FUEL PUMP KIT,LRG 425,WALBRO**	1
36B	77219GT	PUMP, FUEL, LRG425, WALBRO	1
37	6090GT	SCREW, HHC, 1/4-20 X .75 to SN 19393	7
38	6356GT	WASHER, LOCK, .25 to SN 19393	4
39	6638GT	WASHER, FLAT, USS, 1/4"Y to SN 19393	1
40	58967GT	FUEL PRESSURE REG,425EFI*** to SN 19393	1
41	27089GT	HOSE,5/16 FUEL,SAE 30R7 to SN 19393	14
42	27089GT	HOSE,5/16 FUEL,SAE 30R7 to SN 19393	45

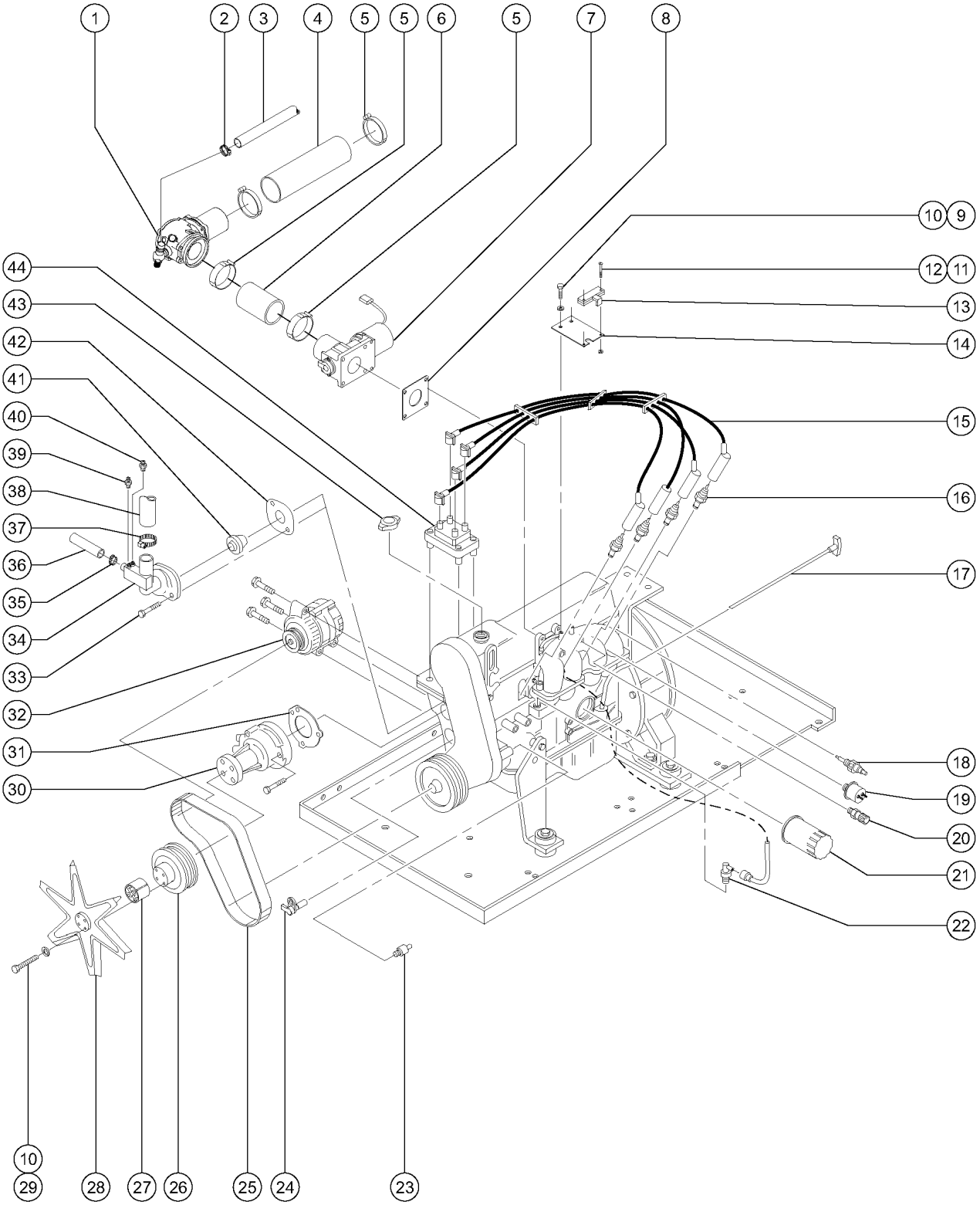
402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)



402.1 Ford LRG-425 EFI Engine - View 1 (from SN 9996 to 19393)

Item	Part No.	Description	Qty.
43	6091GT	NUT,NYLOCK,1/4-20 to SN 19393	3
44	52592GT	RELAY - LRG425 EFI to SN 19393	3
45	27034GT	SCREW,HHC,M10 X 25MM,GR 8.8 to SN 19393	2
46	22700GT	WASHER,LOCK,M10 to SN 19393	2
47	50574GT	BRACKET,RELAY PANEL to SN 19393	1
48	33968GT	SENSOR, CRANK POSITION to SN 19393	1
49	52580GT	BELT,SERPENTINE,LRG425 EFI*** to SN 19393	1
50	52078GT	PULLEY,FORD ENGINE,LRG-423*** to SN 19393	1
51	52077GT	SPACER,FAN TO WATERPUMP LRG423 to SN 19393	1
52		FAN, LSG423/LRG425 (52076) to SN 19393 (component no longer available)	1
53	32309GT	SCREW,HHC,M8 X 60MM X 1.25 to SN 19393	4
54	49408GT	WASHER, LOCK, M8 to SN 19393	6
55	33963GT	PUMP, WATER, WITH GASKET to SN 19393	1
56	33964GT	GASKET, WATER PUMP to SN 19393	1
57	33960GT	ALTERNATOR,LRG-423 RE-BUILT* to SN 19393	1
58	52573GT	THERMOSTAT HOUSING, LRG425 EFI to SN 19393	1
59	52762GT	HOSE,WATER INLET,LRG425 EFI to SN 19393	1
60	35434GT	CLAMP,HOSE,2.00*** to SN 19393	1
61	33965GT	HOSE, UPPER RADIATOR to SN 17109	1
61	54862GT	HOSE,UPPER RADIATOR,Z45 from SN 17110 to SN 19393	1
62	33972GT	SENSOR,COOLANT TEMP* to SN 19393	1
63	33966GT	THERMOSTAT, FORD LRG to SN 19393	1
64	52575GT	GASKET,THERM.HSNG O-RING to SN 19393	1
65	49881GT	OIL FILLER CAP FOR LRG ENGINE to SN 19393	1
66	33970GT	COIL, ELECTRONIC IGN., FORD to SN 19393	1

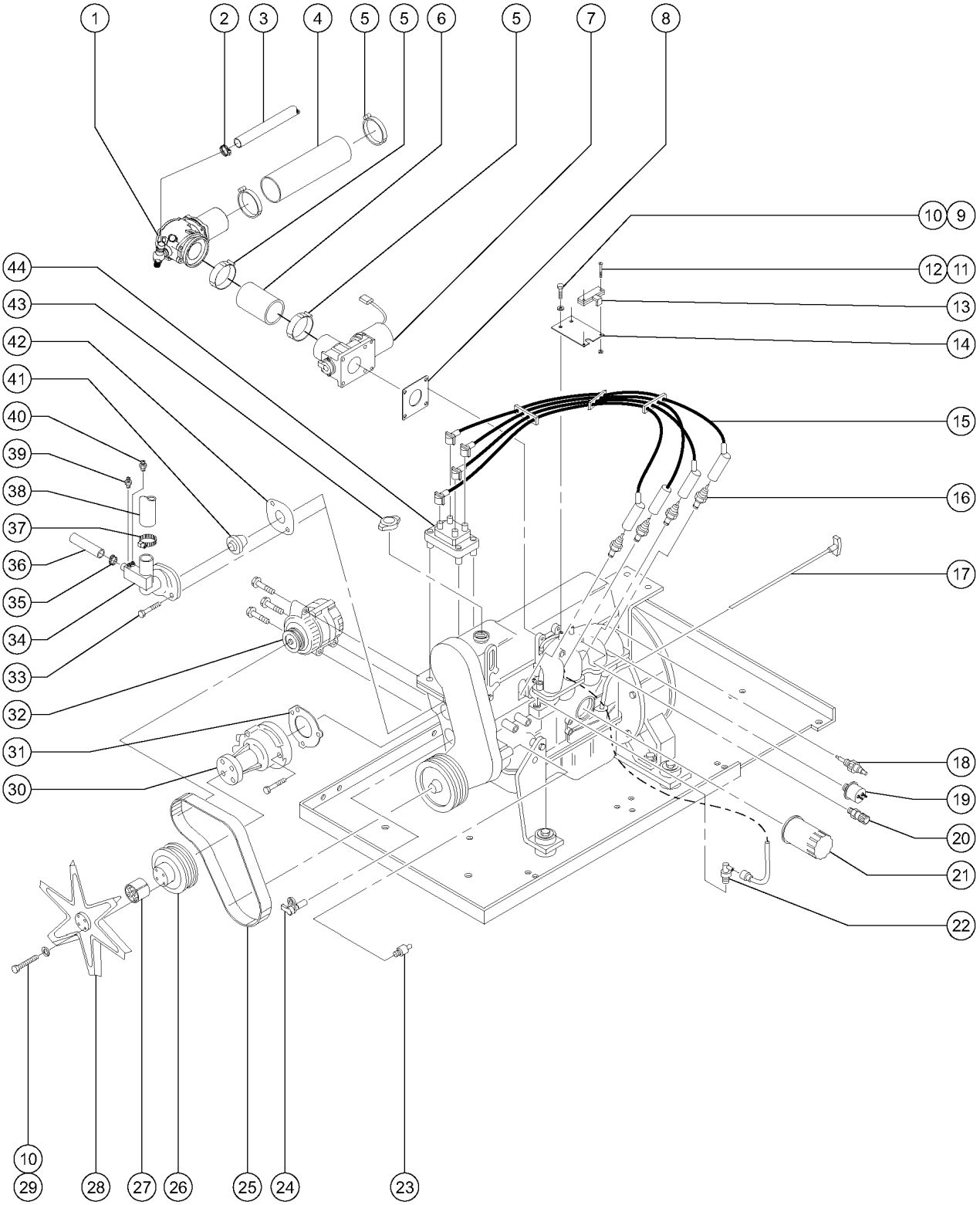
402.2 Ford LRG-425 EFI Engine - View 1 (from SN 19394)



402.2 Ford LRG-425 EFI Engine - View 1 (from SN 19394)

Item	Part No.	Description	Qty.
	77042GT	HARNESS,ENGINE,Z45 IC FORD from SN 19394	
	65770GT	BELT,TIMING,FORD LRG423/425EFI	
1	58598GT	AIR VALVE MIXER	1
1-	58599GT	DIAPHRAGM,AIR VALVE MIXER	
1-	106144GT	AIR HORN,NOLFF MIXER,ALUMINUM*	
1-	119203GT	GASKET,NOLFF AIR HORN(106144)*	
2	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	2
3	81631GT	HOSE,VAPOR,LP SPECIFIC	31 inches
4	77166GT	HOSE,AIR CLEANER,FORD/NOLFF	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 available	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 not shown	4
17	52566GT	DIPSTICK, OIL LEVEL,LRG425 EFI	1
18	33972GT	SENSOR,COOLANT TEMP*	1
19A	30810GT	SENDING UNIT,OIL PRESSURE*** dual-terminal sender	1
19B	28713GT	SWITCH,OIL PRESSURE,CLOSED***	

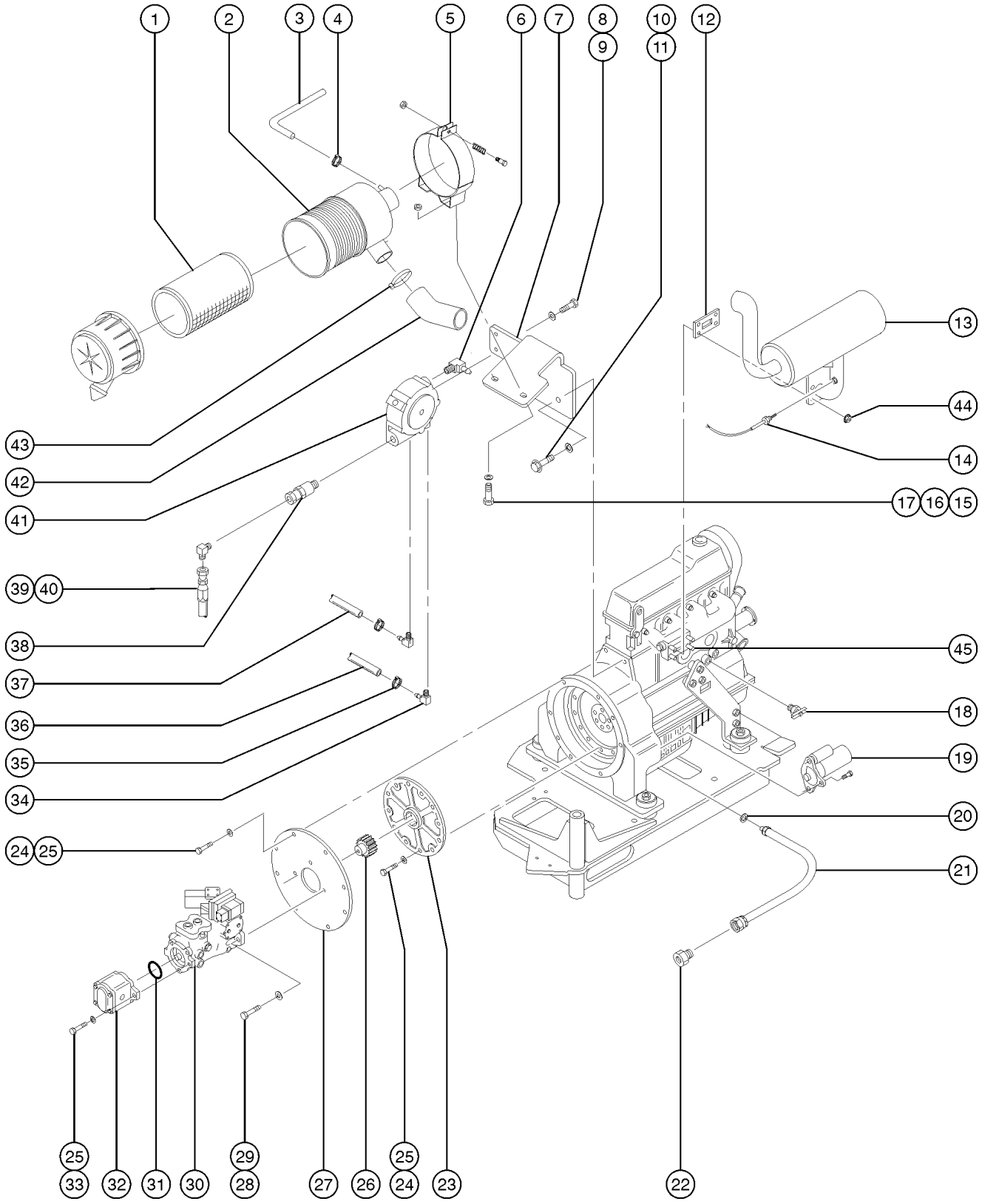
402.2 Ford LRG-425 EFI Engine - View 1 (from SN 19394)



402.2 Ford LRG-425 EFI Engine - View 1 (from SN 19394)

Item	Part No.	Description	Qty.
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 part	
22	33957GT	VALVE,PCV-FORD LRG***	1
23	58900GT	SENSOR,CAM,EFI***	1
24	33968GT	SENSOR, CRANK POSITION	1
25	52580GT	BELT,SERPENTINE,LRG425 EFI***	1
26	52078GT	PULLEY,FORD ENGINE,LRG-423***	1
27	52077GT	SPACER,FAN TO WATERPUMP LRG423	1
28		FAN, LSG423/LRG425 (52076) component no longer available	1
29	32309GT	SCREW,HHC,M8 X 60MM X 1.25	4
30	33963GT	PUMP, WATER, WITH GASKET includes index number 31	1
31	33964GT	GASKET, WATER PUMP	1
32	33960GT	ALTERNATOR,LRG-423 RE-BUILT*	1
33	65454GT	BOLT-FLANGE,M6 X 22MM(52573)	2
34	52573GT	THERMOSTAT HOUSING, LRG425 EFI	1
35	36208GT	CLAMP,HOSE,1.25***	1
36	52762GT	HOSE,WATER INLET,LRG425 EFI	1
37	22672GT	CLAMP,HOSE,1.75	1
38	54862GT	HOSE,UPPER RADIATOR,Z45	1
39	65456GT	SENDING UNIT-H20TMP LRG425EFI*	1
40	33972GT	SENSOR,COOLANT TEMP*	1
41	33966GT	THERMOSTAT, FORD LRG	1
42	52575GT	GASKET,THERM.HSNG O-RING	1
43	49881GT	OIL FILLER CAP FOR LRG ENGINE	1
44	33970GT	COIL, ELECTRONIC IGN., FORD	1

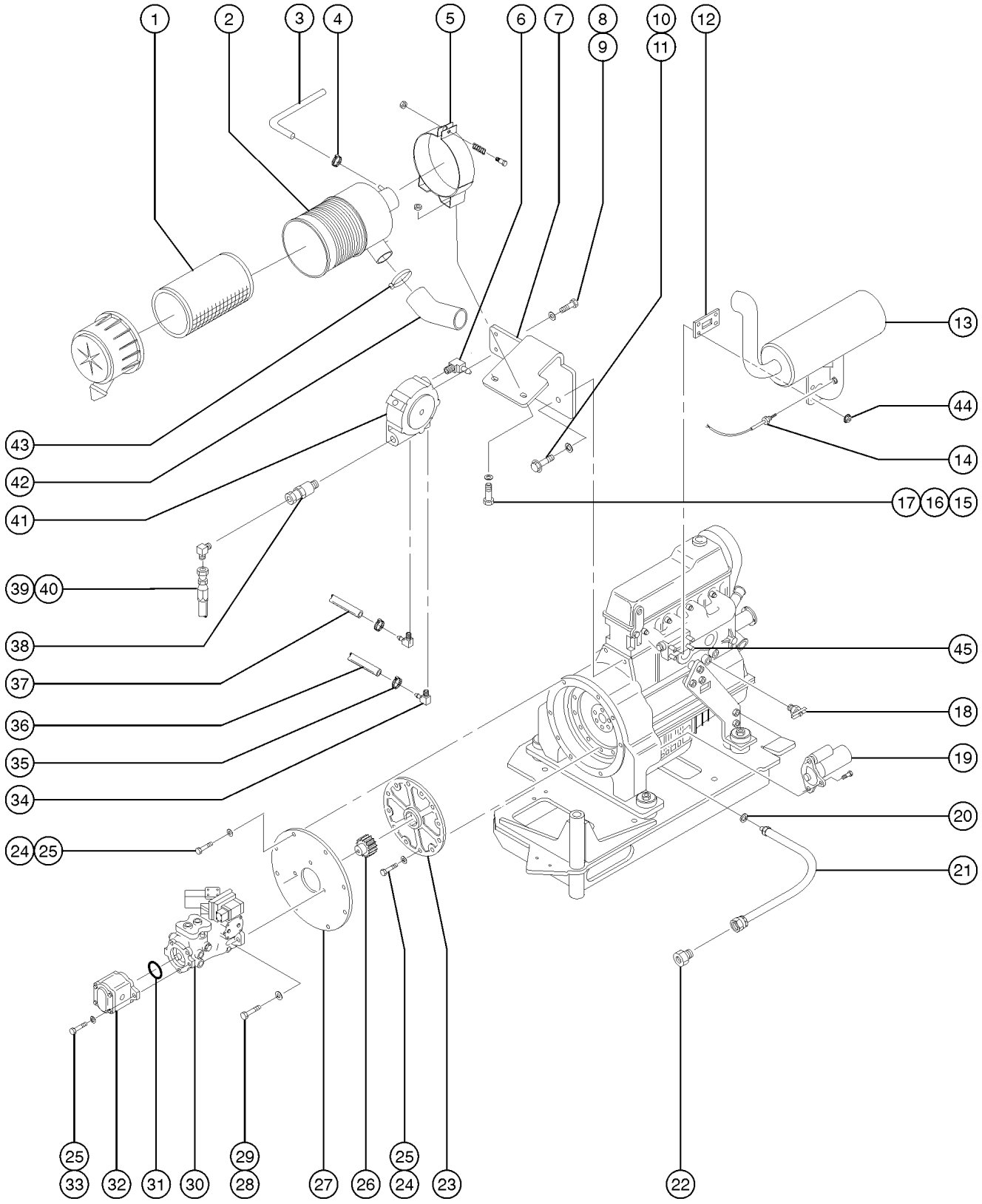
403.1 Ford LRG-425 EFI Engine - View 2



403.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
1	27916GT	FILTER,AIR,ELEMENT*** to SN 20670	1
1	77295GT	FILTER ELEMENT,AIR,NOLFF LPG from SN 20671	1
2	49740GT	AIR CLEANER,FORD EFI*** includes index number 1; to SN 20670	1
2	58917GT	END CAP,AIR FILTER-27915&49740	1
2	52658GT	NUT - WING, AIR FILTER, 425EFI	1
2	111634GT	AIR CLEANER,FORD,T3 includes index number 1; from SN 20671	1
2	38922GT	ELBOW,90DEG.1/8MPT-5/16 BARB	
2	227988GT	VACUATOR VALVE	
2	58247GT	AIR CLEANER CAP/ FORD/NOLFF***	
2	1277991GT	CLIP,AIR CLEANER COVER (58247) for 58247	
3	54209GT	HOSE,1/2" X 24" LG	24 inches
4	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	1
5	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
6	36203GT	ELBOW,90DEG.3/8MPT-5/8 BARB	1
7	50717PGT	BRACKET,AIR CLEANER ATTACH,PAI to SN 19393	1
7	77165PGT	BRACKET,AIR CLEANER MNT,PAINT from SN 19394	1
8	6090GT	SCREW, HHC, 1/4-20 X .75	2
9	6356GT	WASHER, LOCK, .25	2
10	25548GT	SCREW,HHC,M10 X 40MM,GRD8	2
11	22700GT	WASHER,LOCK,M10	2
12	27142GT	GASKET,EXHAUST***	1
13	50446GT	MUFFLER,FORD LRG EFI,Z45	1
14	52564GT	SENSOR,O2,LRG 425 EFI***	1
15	219437GT	ISOLATOR,VIBRATION to SN 20670	2
15	13002GT	SCREW,HHC,5/16-18 X 1 GR5 shown; from SN 20671	2
16	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 20671	2
17	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18 to SN 20670	4

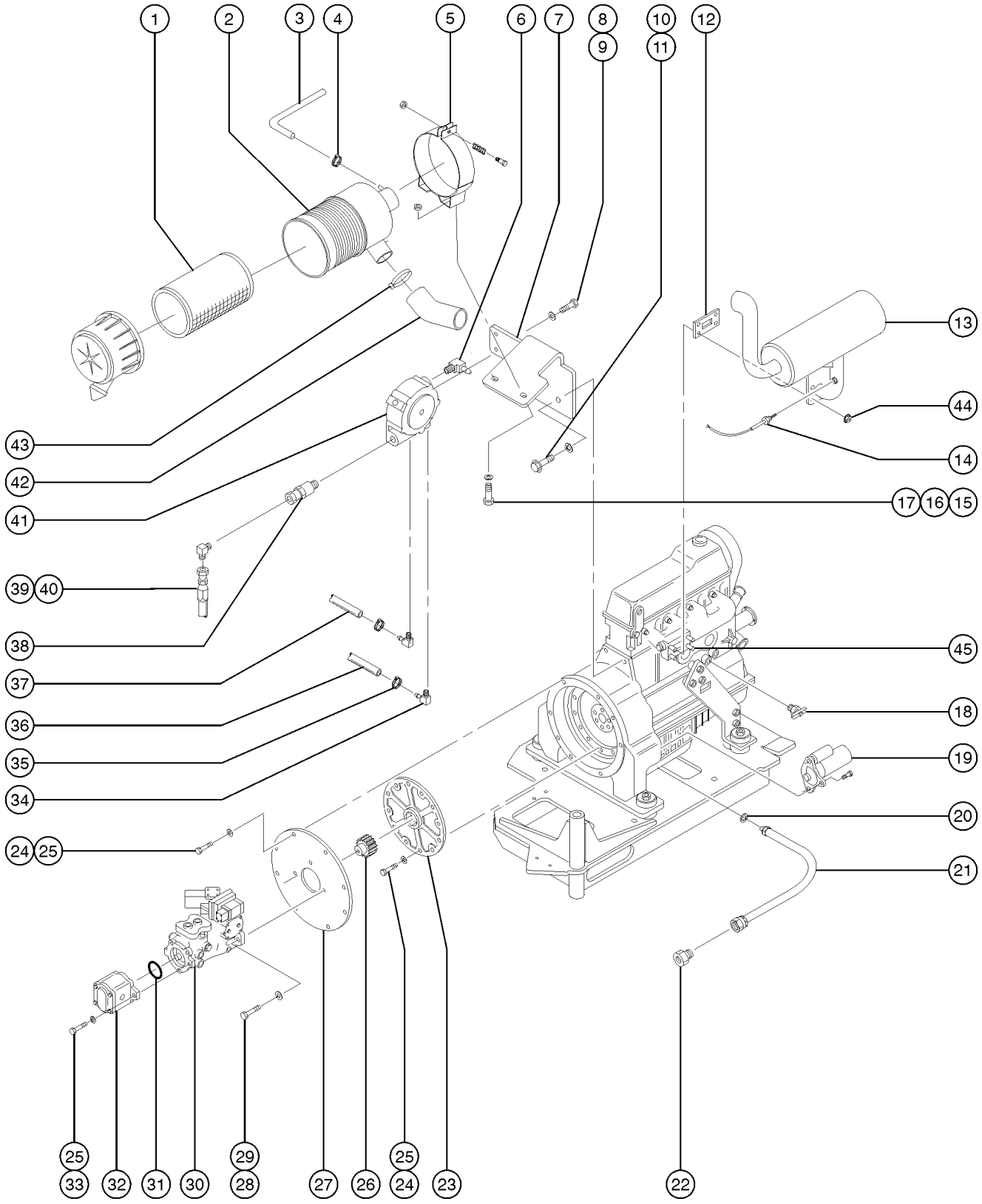
403.1 Ford LRG-425 EFI Engine - View 2



403.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
17	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18 shown; from SN 20671	2
18	28717GT	VALVE,DRAIN,FORD,BLOCK,RAD.	1
19	29616GT	STARTER,ENGINE,FORD LSG/LRG***	1
19	29606GT	RING GEAR,FORD*** FITS LSG-LRG 423, AND LRG425	1
20	53910GT	GASKET, FORD OIL DRAIN from SN 20184	1
21	27903GT	HOSE, LOW PRESSURE, .375 ID to SN 20183	29 inches
21	63427GT	HOSE ASSY,FORD OIL DRAIN 1/2" shown; from SN 20184	1
22	36985GT	VALVE,ENGINE OIL DRAIN to SN 20183	1
22	63426GT	PLUG,070109-8 shown; from SN 20184	1
23	33024GT	FLYWHEEL FLANGE,GREEN PLASTIC	1
24	6175GT	SCREW,HHC,3/8-16 X 1	14
25	6021GT	WASHER, LOCK, .375	16
26	37002GT	COUPLER,HUB,15 TOOTH 7/16BOLT*	1
27	25571P-SGT	PLATE,PUMP MOUNT,FORD,PAINTED	1
28	22788GT	SCREW,HHC,1/2-13 X 1.75	2
29	6033GT	WASHER,LOCK,0.5"	2
30	49770GT	PUMP,M46/GEAR,2.8/.67*** includes index numbers 31, 32 and 2 each index numbers 25 and 33; to SN 10771	1
30	46674GT	PUMP,VAR.PISTON M46 2.8 CIQVP*	1
30	22965GT	EDC ASSY,SAUER,M46*** includes mounting fasteners	1
30	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
30	32611GT	SHAFT,M46 15 TOOTH	1
30	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
30	49770GT	PUMP,M46/GEAR,2.8/.67*** includes index numbers 31, 32 and 2 each index numbers 25 and 33; from SN 10772	1
30	54217GT	PUMP,VAR PISTON,Z45 IC	1
30	22965GT	EDC ASSY,SAUER,M46*** includes mounting fasteners	1
30	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
30	32611GT	SHAFT,M46 15 TOOTH	1

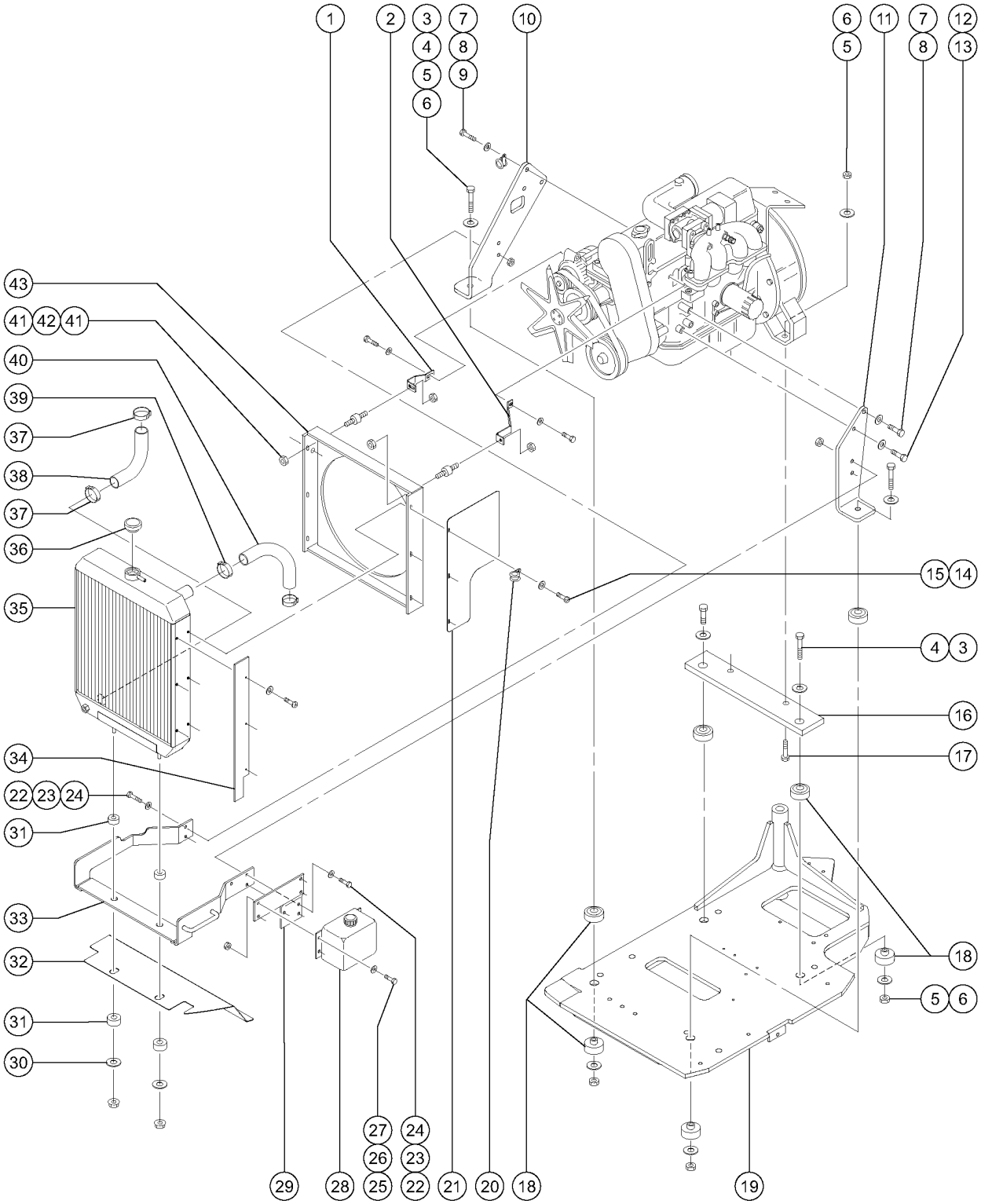
403.1 Ford LRG-425 EFI Engine - View 2



403.1 Ford LRG-425 EFI Engine - View 2

Item	Part No.	Description	Qty.
30	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
31	29436GT	O-RING***	1
32	54222GT	PUMP,PIGGY BACK,.67 C.I.,Z45IC to SN 10771	1
32	31249GT	SEAL KIT,LIFT PUMP** for pump 31248	1
32	54222GT	PUMP,PIGGY BACK,.67 C.I.,Z45IC from SN 10772	1
32	77990GT	KIT,SEAL,3CC PUMP***	1
33	33988GT	SCREW,SHC,3/8-16 X 1	2
34	37017GT	HOSE END,90DEG,.63 HS X.25 MPT	2
35	24165GT	PLATE,HINGE BACK-UP	2
36	53832GT	HOSE,FIRE RES.,5/8 ID,BULK	41 inches
37	52762GT	HOSE,WATER INLET,LRG425 EFI	1
38	27010GT	VALVE,LOCK OFF,BEAM #FL-418	1
39	119055GT	HOSE ASSY,LP GAS 144 inches	1
40	19859GT	ELBOW,010202-6-4	1
41	22279GT	REGULATOR,LPG BEAM 60***	1
41	24470GT	REGULATOR DIAPH.KIT BEAM 50/60	1
41A	102119GT	HOSE,3/4,LP from regulator to mixer	
42	60036GT	HOSE,AIR INTAKE,FORD EFI*** to SN 20670 No longer available	1
42	34162-800GT	HOSE,AIR INTAKE 2.5 ID 8.00LG from SN 20671	1
43	30971GT	CLAMP,HOSE,3.00"	1
44	35818GT	NUT,EXHAUST MANIFOLD-FORD,LRG	4
45	35817GT	STUD,EXHAUST MANIFOLD-FORD,LRG	4

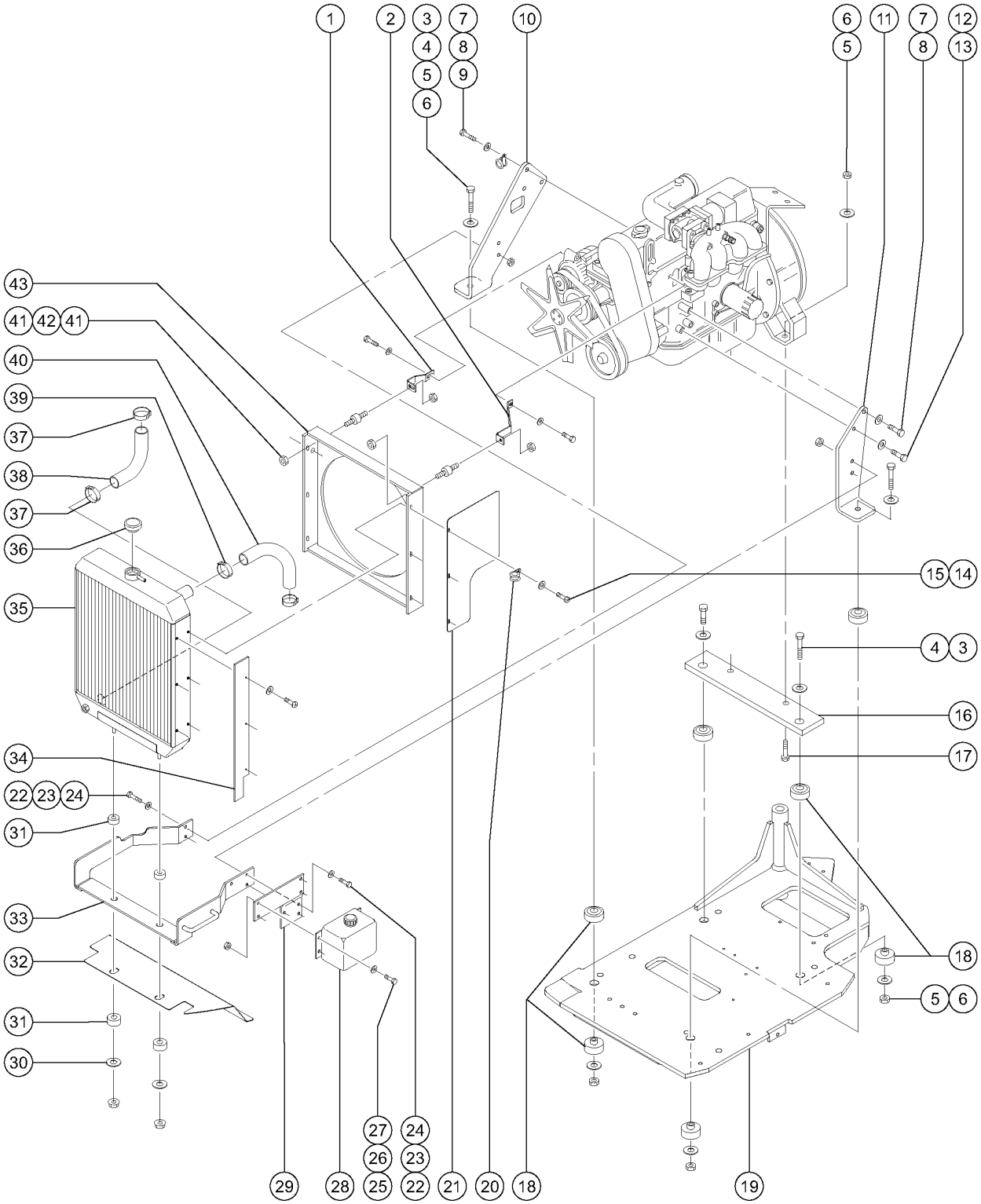
404.1 Ford LRG-425 EFI Engine - View 3



404.1 Ford LRG-425 EFI Engine - View 3

Item	Part No.	Description	Qty.
1	50588GT	STRUT,RADIATOR RH,FORD EFI to SN 17109	1
1	54691GT	STRUT,RADIATOR RH,FORD EFI from SN 17110	1
2	54356GT	STRUT,RADIATOR LH,FORD EFI to SN 17109	1
2	54690GT	STRUT,RADIATOR LH,FORD EFI from SN 17110	1
3	8357GT	SCREW, HHC, 1/2-13 X 3.5	4
4	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	2
5	6095GT	WASHER,FLAT,USS,1/2",Y	6
6	6198GT	NUT, NYLOCK, 1/2-13	6
7	27034GT	SCREW,HHC,M10 X 25MM,GR 8.8	4
8	22700GT	WASHER,LOCK,M10	4
9	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	1
10	50709PGT	ENGINE MOUNT FOOT,R.H.,PAINTED	1
11	50710PGT	ENGINE MOUNT FOOT,L.H.,PAINTED	1
12	23057GT	SCREW,HHC,M8 X 20MM	1
13	6886GT	WASHER,LOCK,.313	1
14	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	9
15	6146GT	WASHER,FLAT,MS,#10,Y	9
16	50437PGT	PLATE,ENG MT BELL HOUSE,PAINTE	1
17	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
18	24037GT	SHOCK MOUNT,LARGE**	8
19	101044GT	PLATE,ENGINE TRAY***	1
20	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
21	54487PGT	GUARD,FAN,FORD/PERKINS,PAINTED	1
22	8516GT	SCREW, HCC, 3/8-16 X 1.50	4
23	5397GT	WASHER, FLAT, USS, 5/16-18	10
24	4828GT	NUT, NYLOCK, 3/8-16	5
25	6090GT	SCREW, HHC, 1/4-20 X .75	4
26	6638GT	WASHER, FLAT, USS, 1/4"Y	4

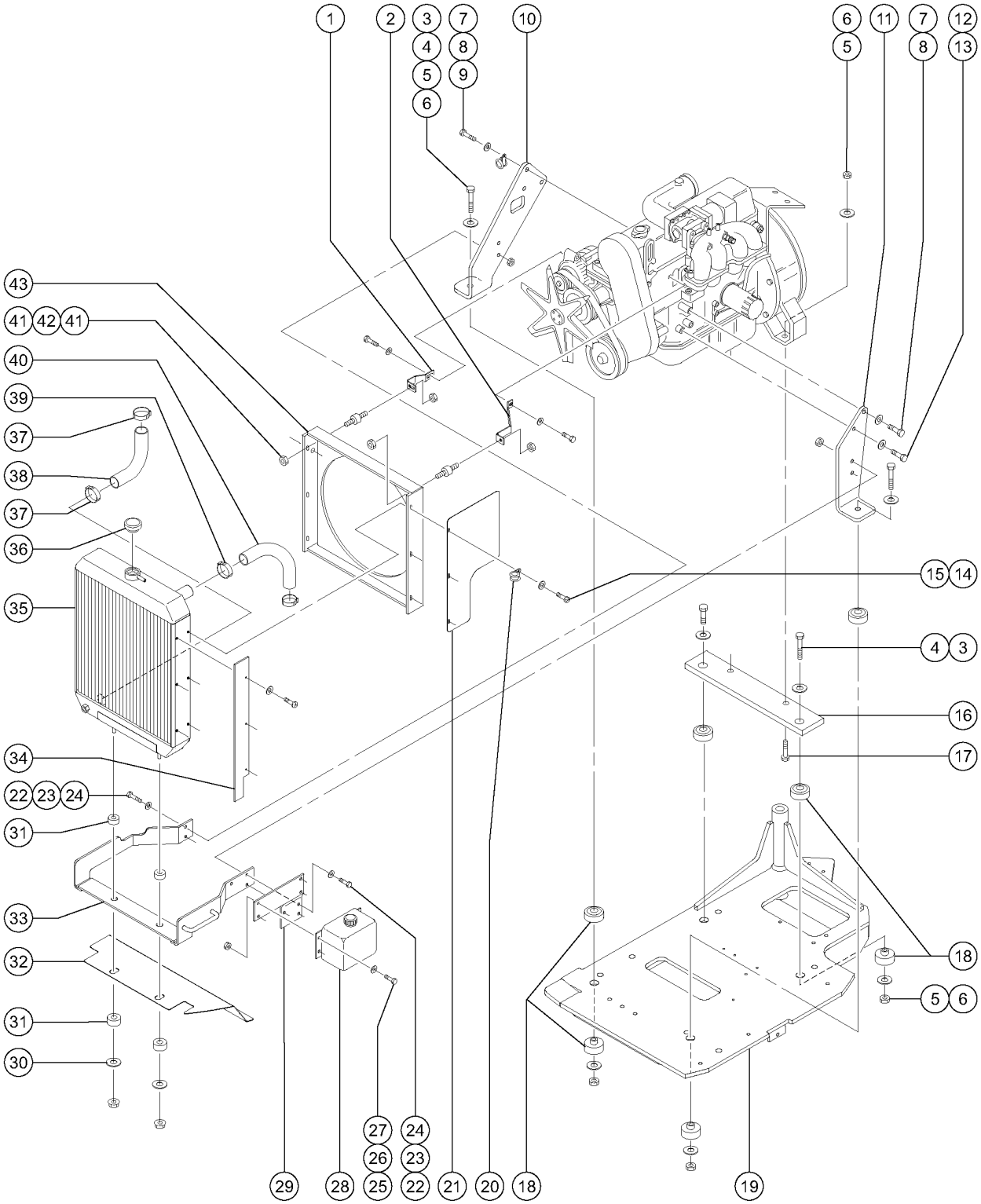
404.1 Ford LRG-425 EFI Engine - View 3



404.1 Ford LRG-425 EFI Engine - View 3

Item	Part No.	Description	Qty.
27	6091GT	NUT,NYLOCK,1/4-20	4
28	1279268GT	BOTTLE, COOLANT RECOVERY, 2QT	1
28	72327GT	CAP, COOLANT RET SYS(54071)	1
29	50976PGT	BRACKET,COOLANT TANK MOUNT	1
30	15086GT	WASHER,FLAT,.375 X 1.5 X .125	2
31	24038GT	SHOCK MOUNT,SMALL	4
32	50925PGT	PLATE,RADIATOR BAFFLE,PAINTED to SN 17109	1
32	54599PGT	PLATE,RADIATOR BAFFLE,PAINTED from SN 17110	1
33	50705GT	WELDMENT,RADIATOR MOUNT to SN 17109	1
33	54591GT	WELDMENT,RADIATOR MOUNT,FORD from SN 17110	1
34	54189GT	SEAL,RUBBER,BAFFLE,FORD	1
35	33969GT	RADIATOR,FORD,LRG to SN 17109	1
35	28717GT	VALVE,DRAIN,FORD,BLOCK,RAD.	1
35	50979PGT	BAFFLE,RAD. FRNT,FORD, not shown	1
35		SEAL,BAFFLE,FRONT,OUTSIDE,EFI component no longer available	1
35		SEAL,BAFFLE,FRONT,INSIDE,EFI component no longer available	1
35	110304GT	RADIATOR,FORD/PERKINS*** from SN 17110	1
35	54616GT	SEAL,RUBBER,BAFFLE,PERKIN/FORD not shown	1
35	54608GT	PLATE,AIR BAFFLE,FORD not shown	1
36	27943GT	CAP,RADIATOR,FORD***	1
37	13014GT	CLAMP,HOSE,2.25" DIA.	2
38	77170GT	HOSE,LOWER RADIATOR,Z45	1
39	45171GT	CLAMP,HOSE,1.75,LINED	2
40	33965GT	HOSE, UPPER RADIATOR to SN 17109	1
40	54862GT	HOSE,UPPER RADIATOR,Z45 from SN 17110	1
41	18506GT	SCREW 5/16-18 X .75 LG.FLG.LCK.	4
42	219437GT	ISOLATOR,VIBRATION	2
43	50764PGT	SHROUD,RADIATOR,FORD LGR425,PA to SN 17109	1

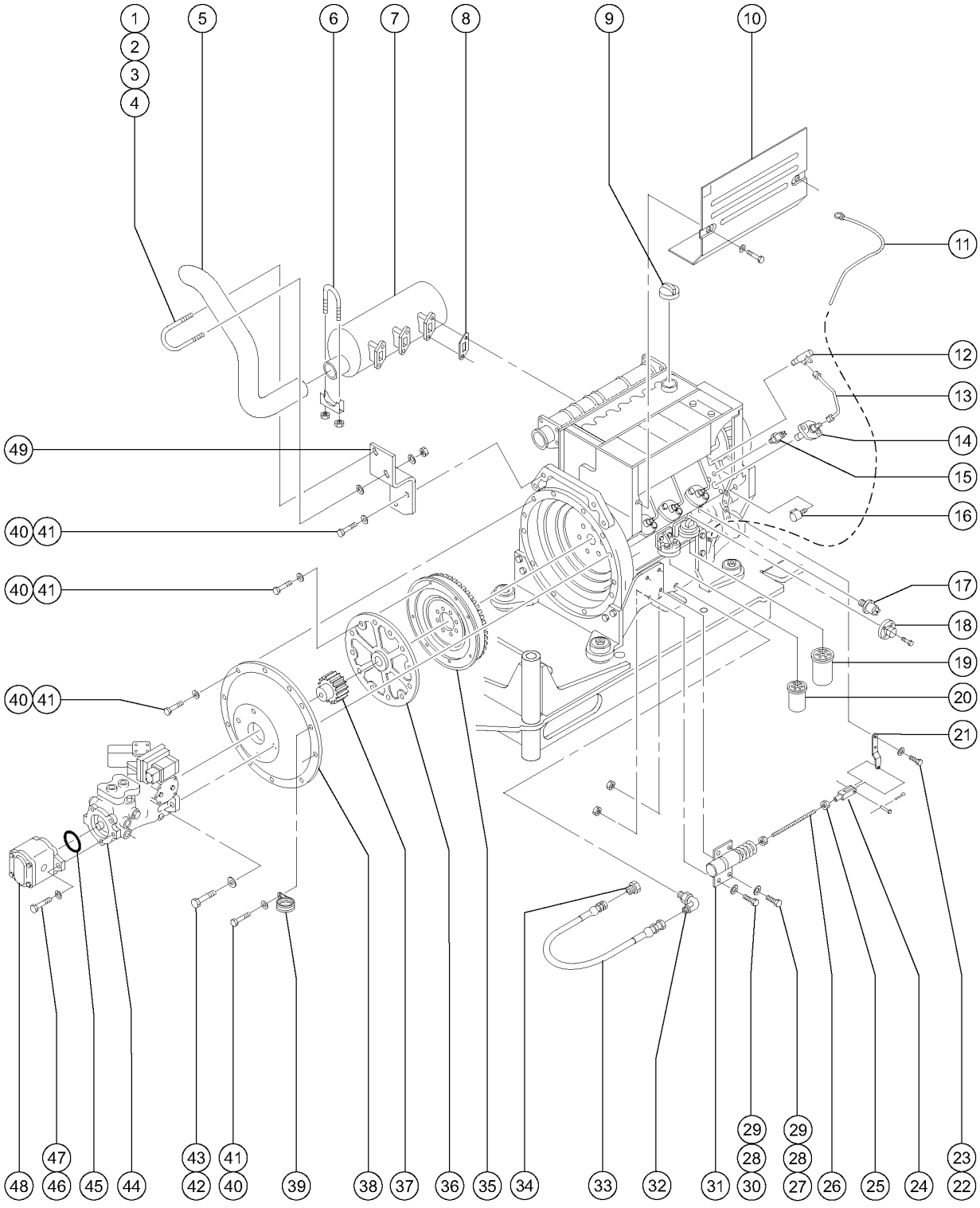
404.1 Ford LRG-425 EFI Engine - View 3



404.1 Ford LRG-425 EFI Engine - View 3

Item	*Part No.*	*Description*	*Qty.*
43	54598PGT	SHROUD,RADIATOR,FORD LGR425,PA from SN 17110	1

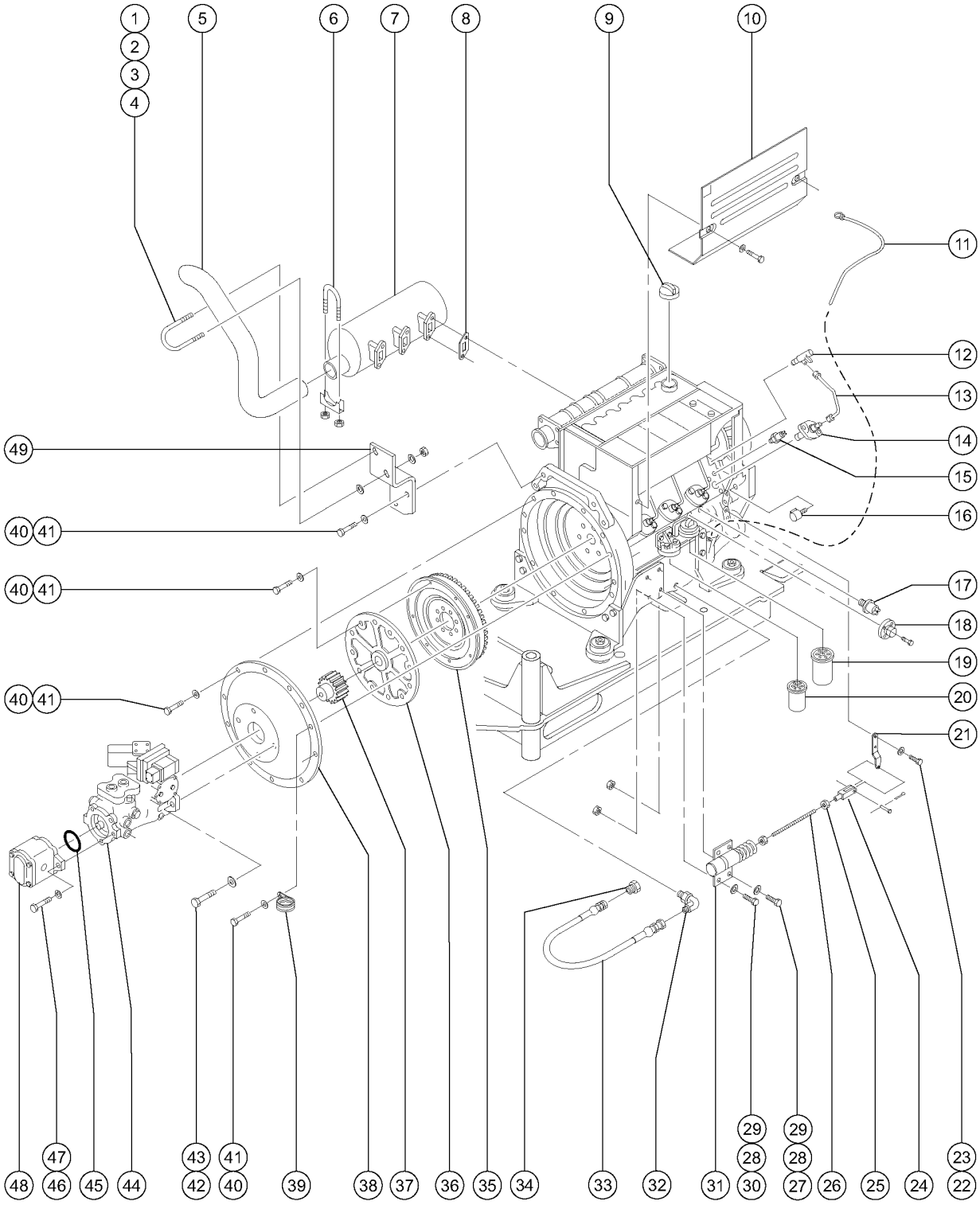
405.1 Deutz F3L 1011F Engine - View 1



405.1 Deutz F3L 1011F Engine - View 1

Item	Part No.	Description	Qty.
A-	70453GT	ENGINE,DEUTZ D2011L03I F3L1011 AND F3L1011F Engines only	
B-	77079GT	HARNESS,ENGINE,Z45 IC DEUTZ to SN 21180	1
1	16584GT	U-BOLT, KIT 5/16-18 X 2.5 ***	1
2	6638GT	WASHER, FLAT, USS, 1/4"Y	2
3	6886GT	WASHER,LOCK,.313	2
4	6037GT	NUT,HEX,5/16-18,GR5	2
5	50761GT	EXHAUST PIPE,DEUTZ 3 CYL DSL	1
6	30438GT	CLAMP,MUFFLER,2 1/4" ID.	1
7	32695GT	MUFFLER,DEUTZ includes index numbers 6 and 8	1
7	54822GT	OPT,SCRUB/SPARK ARREST,DEUTZ	1
8	29559GT	GASKET,EXHAUST	3
9	29557GT	CAP,OIL FILLER,DEUTZ,DIESEL***	1
10	52353GT	COVER,ENGINE SIDE (F30-1011F)	1
11	54790GT	DIPSTK &TUBE ASSY,DEUTZ 3CYL.* includes tube (no longer available)	1
11-	54301GT	O-RING,NEOPRENE,.469IDX.094THK	1
12	49919GT	INJECTOR - DEUTZ F4L1011F	1
13	49921GT	FUEL LINE INJ. DEUTZ F4L1011F	1
14	49929GT	INJECTOR PUMP - DEUTZ F4L1011F	1
15	34059GT	SENDING UNIT,OIL TEMP.	1
16	T114678GT	SHUTDOWN SOLENOID,12V, DEUTZ (must order cable assembly, 58256, if replacing 32752) (includes o-ring)	1
16-	58256GT	SOLENOID CABLE ASSY***	
16-	72255GT	CONNECTOR, DEUTZ FUEL SHUTOFF* (does not include diode, 45782)	
16-	56445GT	DIODE,6 AMP 200 PIV,REEL	
17	139624GT	SWITCH, OIL PRESSURE 1.5 BAR (replaced 65765)	1
17-	139666GT	KIT,OP SWITCH,DEUTZ (oil pressure kit for models with ALC-500 control system. replaces 65765. includes item 139624 and instructions)	
18	49923GT	PUMP, FUEL LIFT, F4L1011F	1
19	49924GT	FILTER,OIL,DEUTZ Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.	1
19-	1255653GT	FILTER,OIL,DEUTZ,REPLACEMENT Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.	1

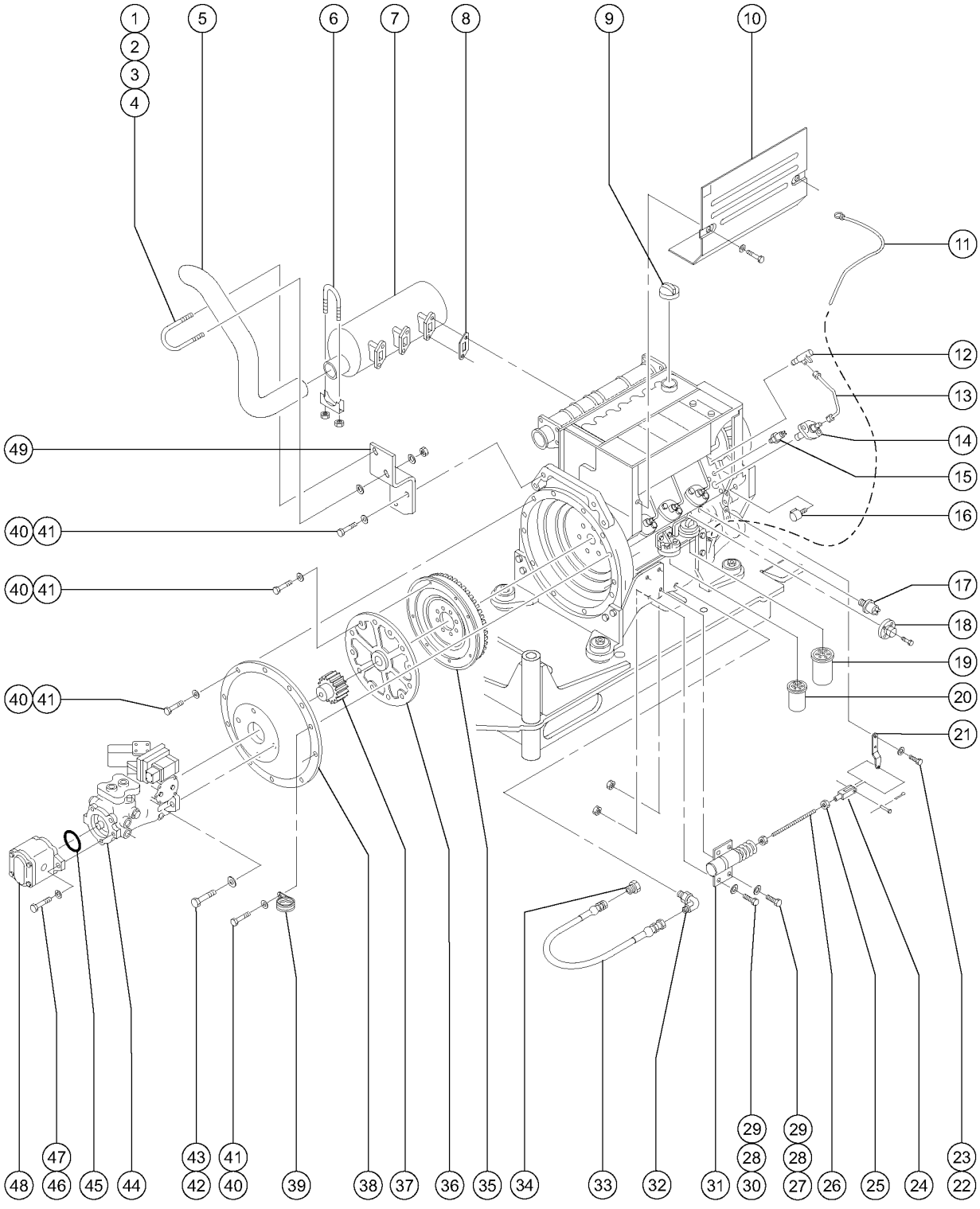
405.1 Deutz F3L 1011F Engine - View 1



405.1 Deutz F3L 1011F Engine - View 1

Item	Part No.	Description	Qty.
20	29560GT	FILTER,FUEL/WTR SEP, DTZ 1008 Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.	1
20-	1254826GT	FUEL FILTER W/SEP,DEUTZ,1008 Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.	1
21	50787-SGT	LEVER, GOVERNOR ACTUATOR	1
22	22578GT	SCREW,HHC,M6 X 20MM,GR8.8	2
23	49407GT	WASHER,LOCK,M6	2
24	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
25	21496GT	NUT,HEX,1/4-28	2
26	30785-1000GT	THREADED ROD,1/4-28 X 10 IN***	1
27	6090GT	SCREW, HHC, 1/4-20 X .75	3
28	49407GT	WASHER,LOCK,M6	4
29	6091GT	NUT,NYLOCK,1/4-20	4
30	6888GT	SCREW, HHC, 1/4-20 X 1	1
31	29073GT	SOLENOID,THROTTLE,	1
31	52537GT	BOOT,SOLENOID,29073	1
31	77252GT	SERVICE KIT,VICKERS BRKT.ASSY not shown	1
32	54428GT	FITTING, HYDRUALIC, 90DEG, O-RING to SN 20183	1
32	77379GT	FITTING,M18X8,C87OMX from SN 20184	1
33	49110-2092GT	HOSE ASSY,OIL DRAIN,DEUTZ to SN 20183	1
33	49177-2094GT	HOSE ASSEMBLY,1/2"*** from SN 20184	1
34	53538GT	PLUG,520109-8,ORFS to SN 20183	1
34	63426GT	PLUG,070109-8 from SN 20184	1
35	49917GT	RING GEAR,DEUTZ F3 & F4L1011F* (please verify ring gear thickness) 0.46 inches	1
35-	89785GT	RING GEAR,DEUTZ F3L2011F (please verify ring gear thickness) 0.6 inches	1
35-	33729GT	RING GEAR,DEUTZ F3 & F4L1011* (please verify ring gear thickness) 0.365 inches	1
36	33024GT	FLYWHEEL FLANGE,GREEN PLASTIC	1
37	37003GT	COUPLER,HUB,15 TOOTH 7/16BOLT*	1
38	30806GT	FLYWHEEL COVER,CASTING***	1
39	49863GT	CLAMP,1.13,#18 X 3/8,RUB CUSH*	2

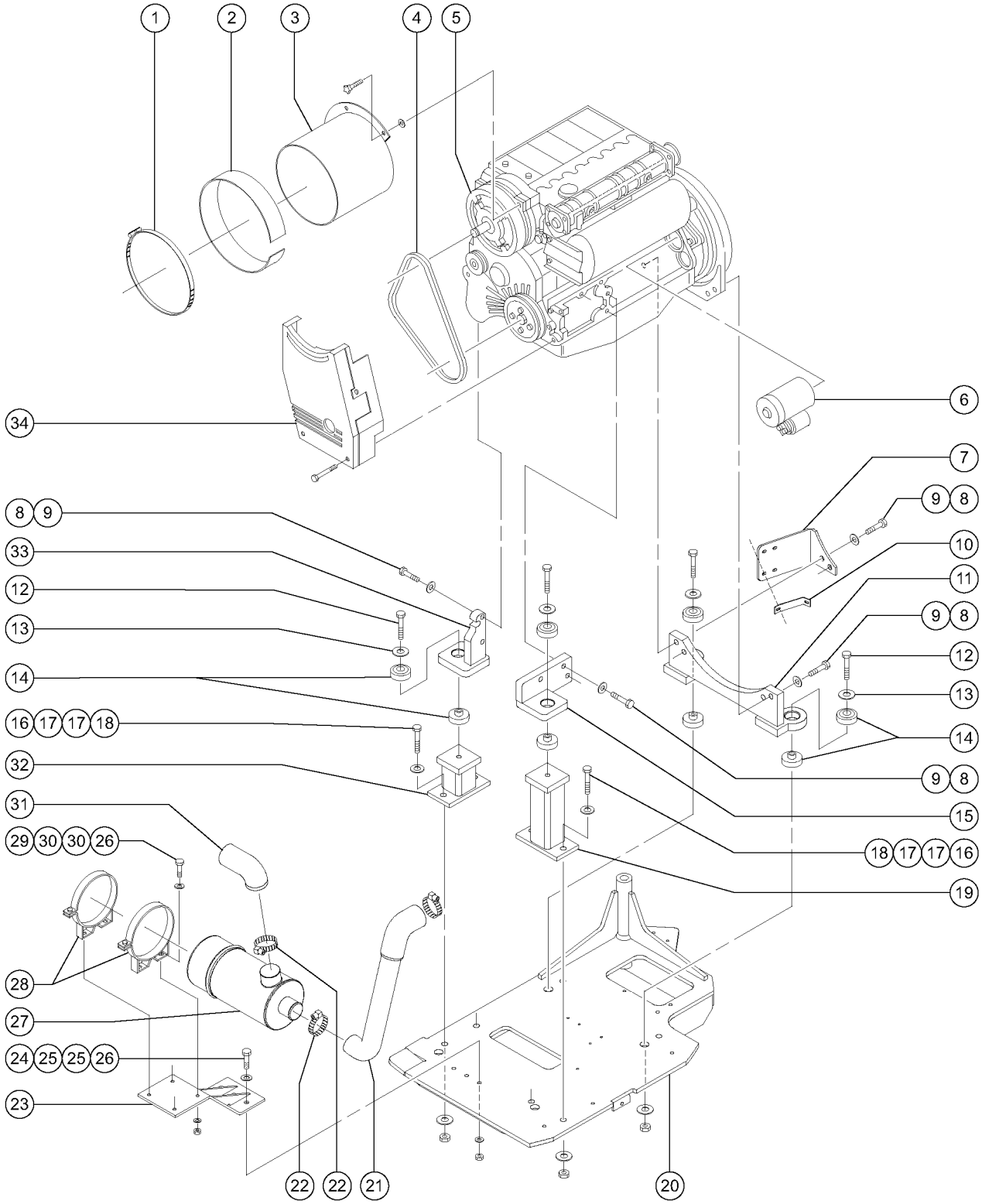
405.1 Deutz F3L 1011F Engine - View 1



405.1 Deutz F3L 1011F Engine - View 1

Item	Part No.	Description	Qty.
40	44064GT	SCREW,HHC,M10 X 30MM,	19
41	22700GT	WASHER,LOCK,M10	19
42	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
43	6033GT	WASHER,LOCK,0.5"	2
44	49770GT	PUMP,M46/GEAR,2.8/.67*** includes index numbers 45, 48 and 2 each index numbers 46 and 47; to SN 10771	1
44	46674GT	PUMP,VAR.PISTON M46 2.8 CIQVP*	1
44	22965GT	EDC ASSY,SAUER,M46*** includes mounting fasteners	1
44	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
44	32611GT	SHAFT,M46 15 TOOTH	1
44	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
44	49770GT	PUMP,M46/GEAR,2.8/.67*** includes index numbers 45, 48 and 2 each index numbers 46 and 47; from SN 10772	1
44	54217GT	PUMP,VAR PISTON,Z45 IC	1
44	22965GT	EDC ASSY,SAUER,M46*** includes mounting fasteners	1
44	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1
44	32611GT	SHAFT,M46 15 TOOTH	1
44	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
45	29436GT	O-RING***	1
46	22788GT	SCREW,HHC,1/2-13 X 1.75	2
47	6021GT	WASHER, LOCK, .375	2
48	54222GT	PUMP,PIGGY BACK,.67 C.I.,Z45IC to SN 10771	1
48	31249GT	SEAL KIT,LIFT PUMP**	1
48	54222GT	PUMP,PIGGY BACK,.67 C.I.,Z45IC from SN 10772	1
48	77990GT	KIT,SEAL,3CC PUMP***	1
49	50564GT	BRACKET,MUFFLER,DEUTZ 3 CYL	1

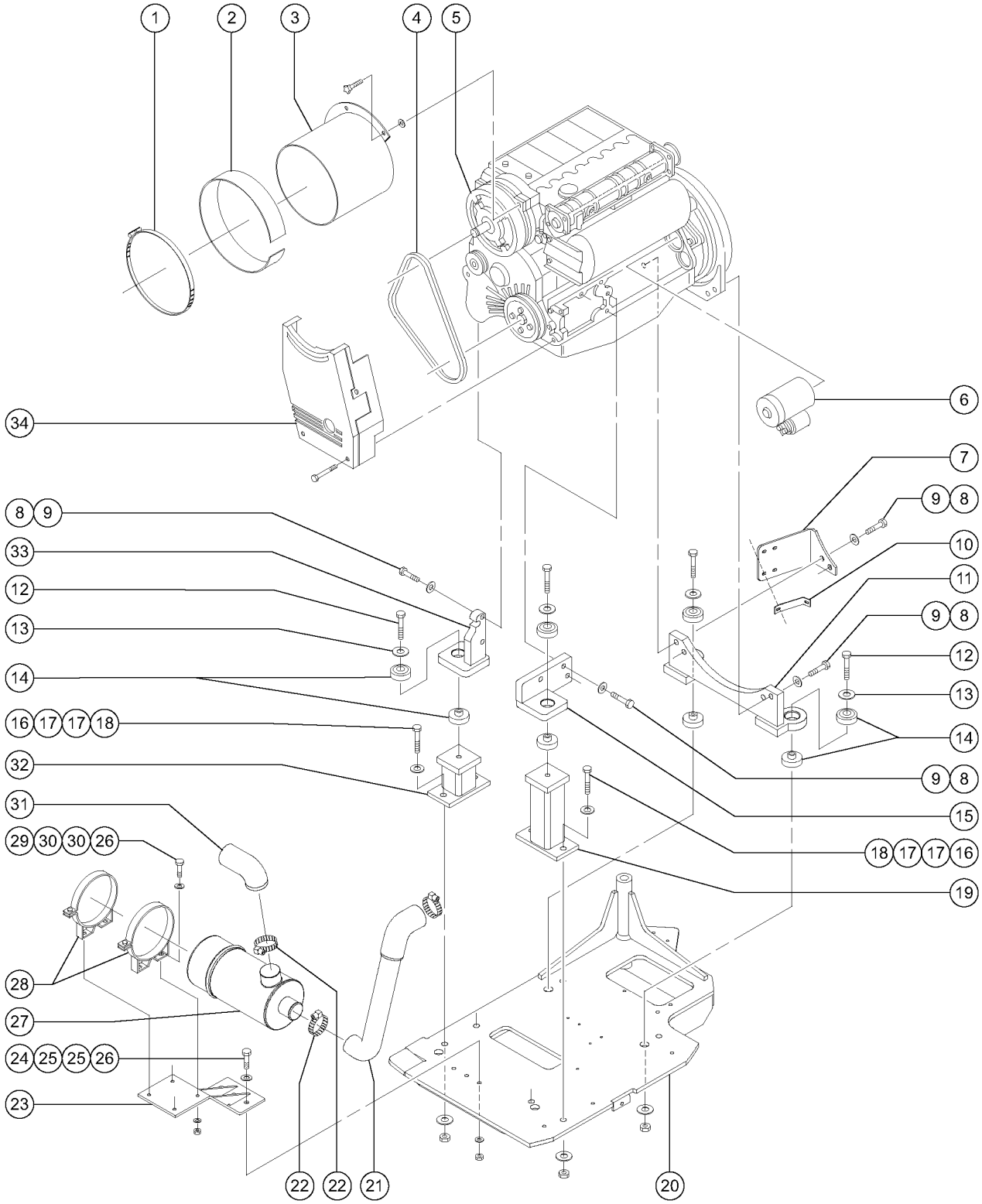
406.1 Deutz F3L 1011F Engine - View 2



406.1 Deutz F3L 1011F Engine - View 2

Item	Part No.	Description	Qty.
1	31523GT	CLAMP,HOSE,8.50 DIA***	1
2	33239GT	WELDMENT, AIR INTAKE TUBE	1
3	50579PGT	WELDMENT,AIR INTAKE TUBE,PAINT	1
4	32698GT	BELT	1
5	35586GT	ALTERNATOR, DEUTZ F3L10/F4L10*	1
6	37950GT	STARTER,DEUTZ,F4L1011F/F3L1011 11 tooth; inspect old starter before ordering	1
6	139709GT	STARTER, 12V 9 tooth; inspect old starter before ordering	
6-	49915GT	SOLENOID-STARTR DEUTZF4L1011F*	1
7	54282GT	BRACKET,TROMBETTA MOUNT***	1
8	34265GT	SCREW,HHC,M14 X 55	9
9	37505GT	WASHER,LOCK,M14	9
10	77191PGT	BRACKET,TROMBETTA BRACE,PAINTD	1
11	54280GT	WELDMENT,ENGINE MOUNT,REAR	1
12	47186GT	SCREW,HHC,5/8-11 X 4.5	4
13	33418GT	WASHER,FLAT,.625 X 2.25 X.15	4
14	28076GT	ISOLATOR,VIBRATION,LG,RD&WH***	4
15	50989GT	WELDMENT,LH ENGINE MOUNT,DTZ	1
16	51131GT	SCREW,HHC,5/8-11 X 2.5	4
17	13064GT	WASHER,FLAT,.625 HARDENED	8
18	6024GT	NUT,NYLOCK,5/8-11	4
19	50995GT	MOUNT POST,LH	1
20	101044GT	PLATE,ENGINE TRAY***	1
21	70375GT	HOSE,AIR CLEANER	1
22	30971GT	CLAMP,HOSE,3.00"	3
23	60077GT	WELDMENT,AIR CLEANER BRACKET	1
24	8516GT	SCREW, HCC, 3/8-16 X 1.50	3
25	6097GT	WASHER, FLAT, USS, 3/8", Y	6
26	4828GT	NUT, NYLOCK, 3/8-16	6

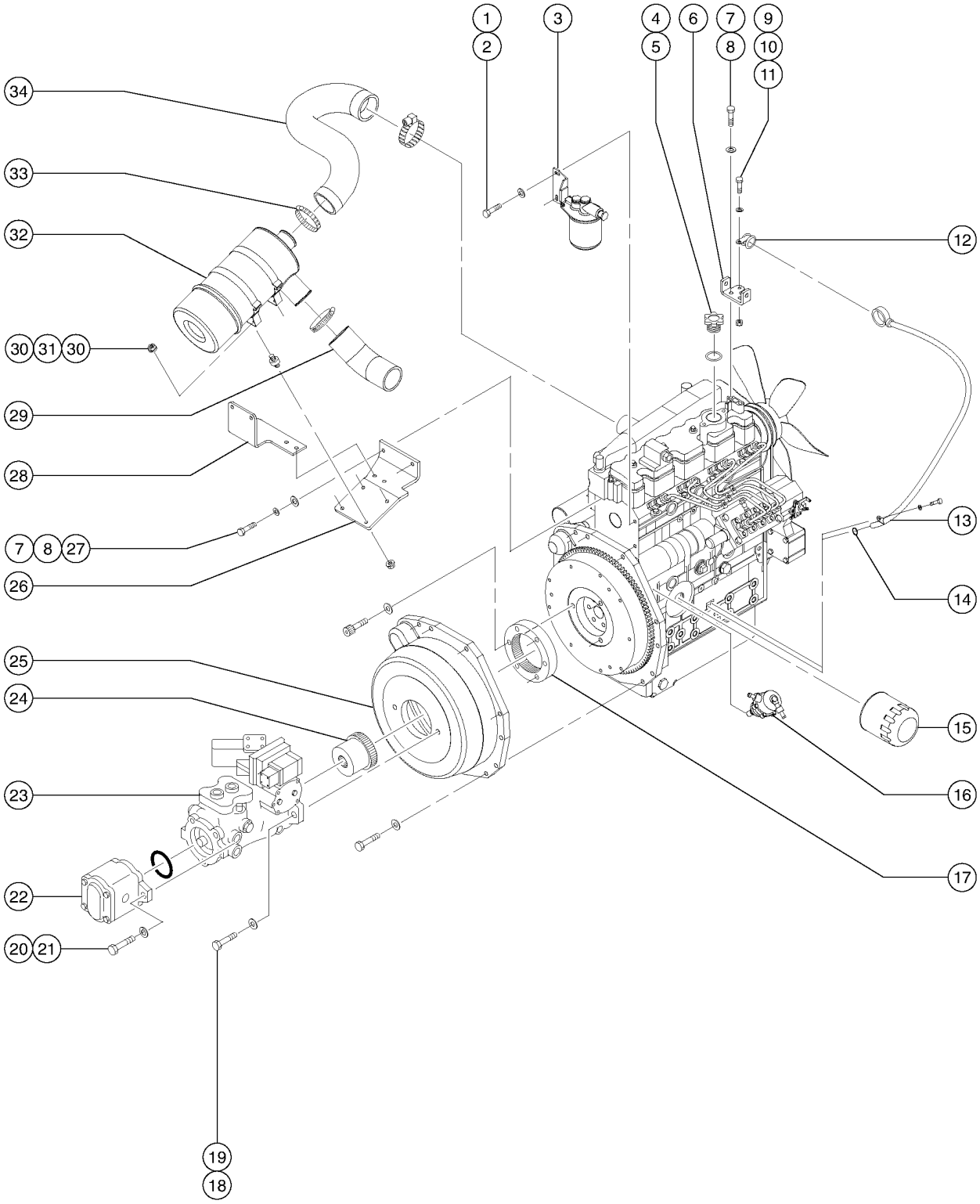
406.1 Deutz F3L 1011F Engine - View 2



406.1 Deutz F3L 1011F Engine - View 2

Item	Part No.	Description	Qty.
27	27915GT	AIR CLEANER	1
27-	27916GT	FILTER,AIR,ELEMENT***	1
27-	58917GT	END CAP,AIR FILTER-27915&49740	1
27-	65815GT	CLAMP, AIR CLEANER (27915)** clamp that holds the end cap on	1
27-	52658GT	NUT - WING, AIR FILTER, 425EFI	1
27-	65810GT	BAFFLE, AIR CLEANER (27915)**	1
27-	65815GT	CLAMP, AIR CLEANER (27915)**	1
28	53952GT	BRKT,AIR CLEANER ORIENTATION**	2
29	6175GT	SCREW,HHC,3/8-16 X 1	4
30	5397GT	WASHER, FLAT, USS, 5/16-18	4
31	50941GT	HOSE,90DEG 2.5" AIR INTAKE	1
32	50996GT	MOUNT POST,RH	1
33	50985GT	WELDMENT,RH ENGINE MOUNT,DTZ	1
34	29555GT	COVER,FRONT DEUTZ ENGINE	1

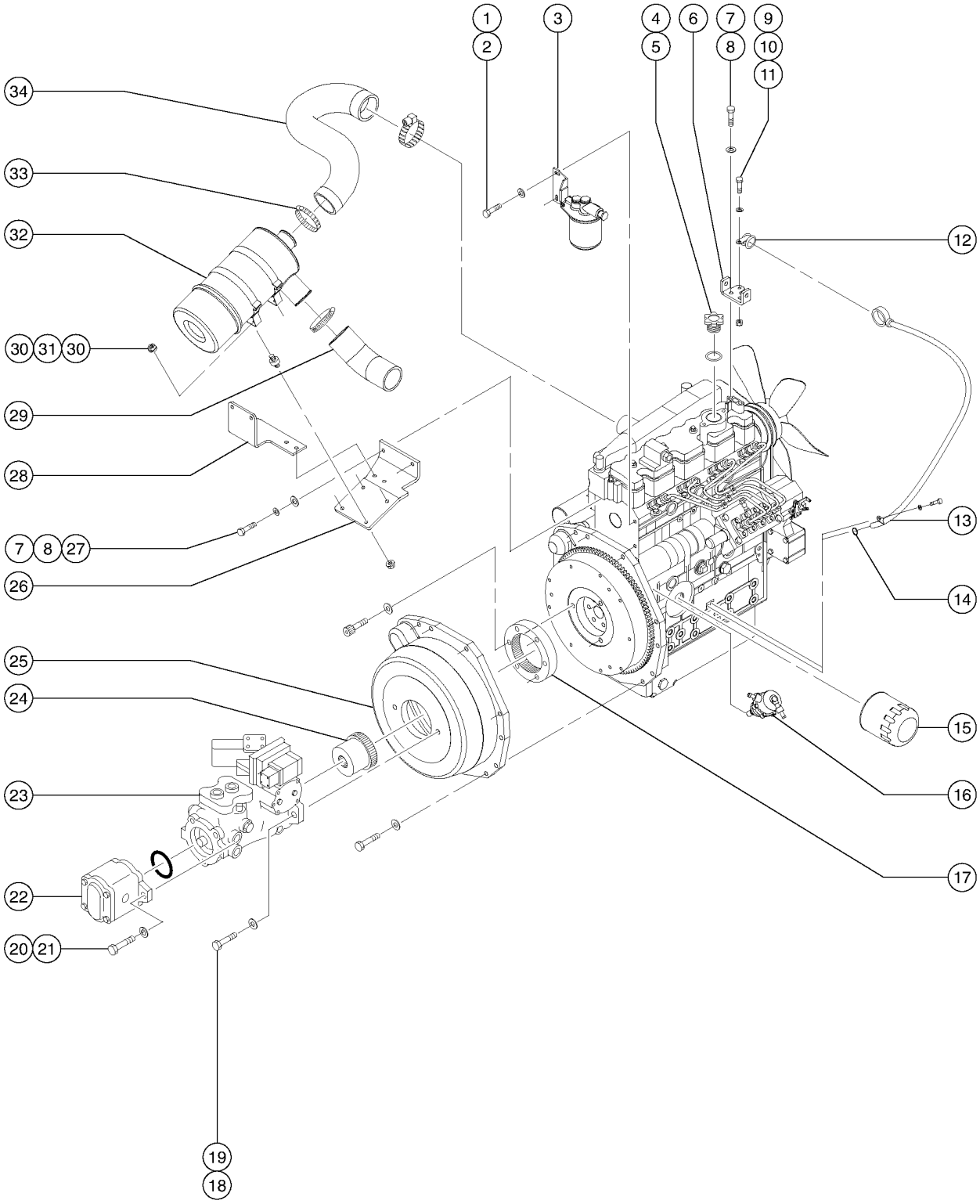
407.1 Perkins104-22 Engine - View 1



407.1 Perkins104-22 Engine - View 1

Item	Part No.	Description	Qty.
1	25929GT	SCREW,HHC,M8 X 30MM,GRD 8.8	2
2	49408GT	WASHER, LOCK, M8	2
3	65542GT	FILTER, ELEMENT/FUEL PERKINS**	1
4	65636GT	CAP, OIL FILLER	1
5	65638GT	SEAL, OIL FILLER CAP	1
6	54582PGT	BRACKET,STRUT MOUNT,PAINTED	1
7	23057GT	SCREW,HHC,M8 X 20MM	4
8	6886GT	WASHER,LOCK,.313	4
9	6090GT	SCREW, HHC, 1/4-20 X .75	1
10	6638GT	WASHER, FLAT, USS, 1/4"Y	1
11	6091GT	NUT,NYLOCK,1/4-20	1
12	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
13	54556GT	DIPSTICK TUBE,PERKINS 104-22**	1
14	65639GT	O-RING,DIPSTICK TUBE(Z45 PERK)	1
15	94762GT	OIL FILTER - PERKINS	1
16	72348GT	PUMP,LIFT(FUEL) PERKINS(54555)	1
17	65637GT	FLEX PLATE, FLYWHEEL (54573)	1
18	22788GT	SCREW,HHC,1/2-13 X 1.75	2
19	6033GT	WASHER,LOCK,0.5"	2
20	6175GT	SCREW,HHC,3/8-16 X 1	2
21	6021GT	WASHER, LOCK, .375	2
22	54222GT	PUMP,PIGGY BACK,.67 C.I.,Z45IC	1
22-	77990GT	KIT,SEAL,3CC PUMP***	1
22-	29436GT	O-RING***	1
23	49770GT	PUMP,M46/GEAR,2.8/.67*** includes index numbers 20 through 22	1
23	54217GT	PUMP,VAR PISTON,Z45 IC	1
23-	22965GT	EDC ASSY,SAUER,M46*** includes mounting fasteners	1
23-	29739GT	SEAL KIT,SAUER-DANFOSS M46***	1

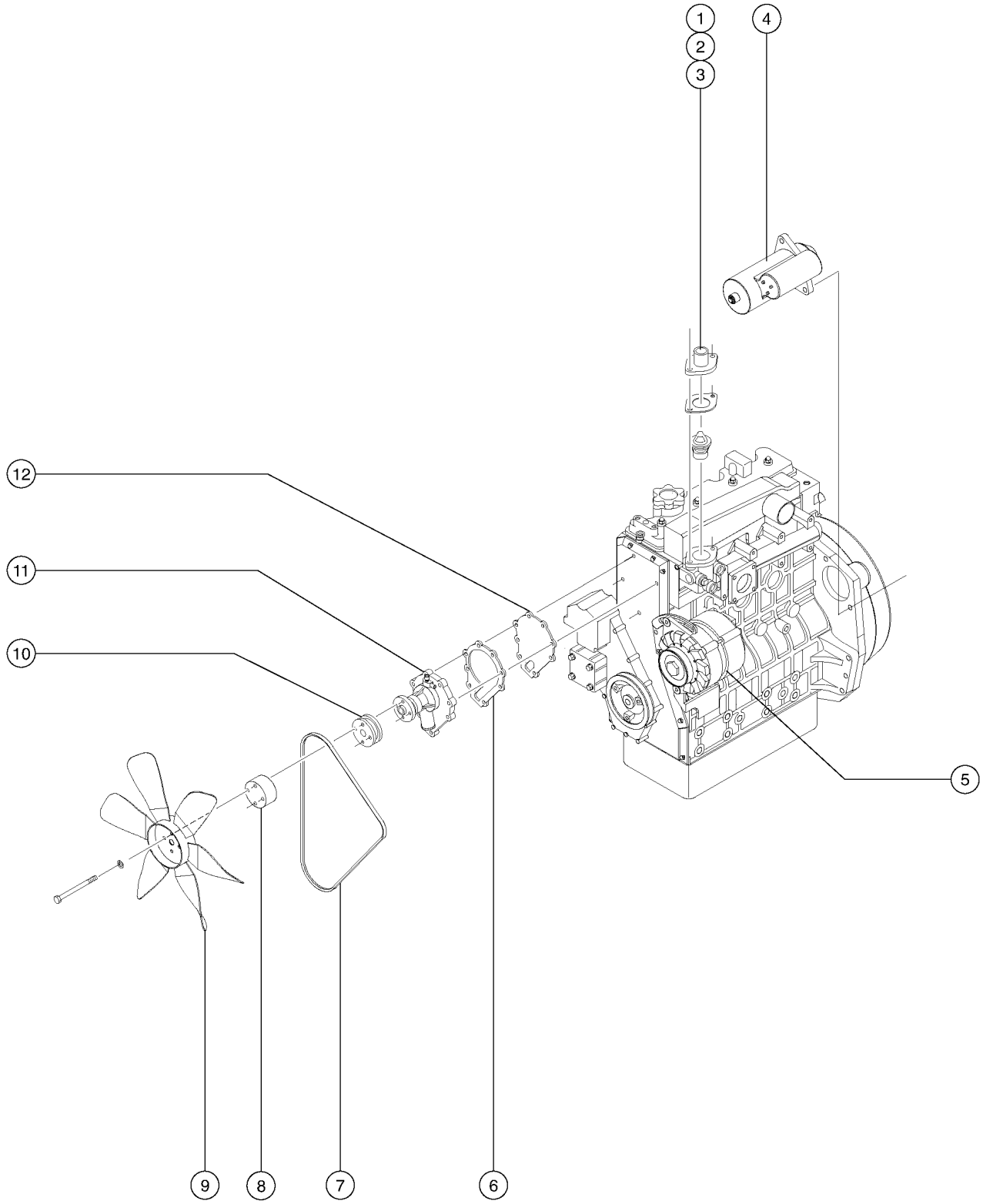
407.1 Perkins104-22 Engine - View 1



407.1 Perkins104-22 Engine - View 1

Item	Part No.	Description	Qty.
23-	32611GT	SHAFT,M46 15 TOOTH	1
23-	27067GT	SEAL,SHAFT-SUNDSTRAND***	1
24	29749GT	COUPLER,SMALL METAL,15T,***	1
25A	128022GT	KIT,FBA STYLE COUPLER,PERKINS includes 15-tooth coupler (128003), fastener kit (1263209) and grease	1
25A-	29749GT	COUPLER,SMALL METAL,15T,***	
25A-	89771GT	HOUSING,PUMP MOUNT (54573)	
25A-	89772GT	FLEX PLATE (54573)***	
25B	89773GT	KIT, HARDWARE (54573)	
25C	128022GT	KIT,FBA STYLE COUPLER,PERKINS includes 15-tooth coupler (128003), fastener kit (1263209) and grease	
26	54535PGT	BRACKET,AIR CLEANER,PAINTED	1
27	33277GT	WASHER,FLAT,M8,YELLOW ZINC	2
28	54583PGT	BRACKET,PERKINS TAILPIPE,PNTD	1
29	60036GT	HOSE,AIR INTAKE,FORD EFI*** No longer available	1
30	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	8
31	219437GT	ISOLATOR,VIBRATION	4
32	27915GT	AIR CLEANER	1
32-	27916GT	FILTER,AIR,ELEMENT***	1
32-	58917GT	END CAP,AIR FILTER-27915&49740	1
32-	65815GT	CLAMP, AIR CLEANER (27915)** clamp that holds the end cap on	1
32-	52658GT	NUT - WING, AIR FILTER, 425EFI	1
32-	65810GT	BAFFLE, AIR CLEANER (27915)**	1
32-	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
33	30971GT	CLAMP,HOSE,3.00"	3
34	54547GT	HOSE,AIR INTAKE,PERKINS	1

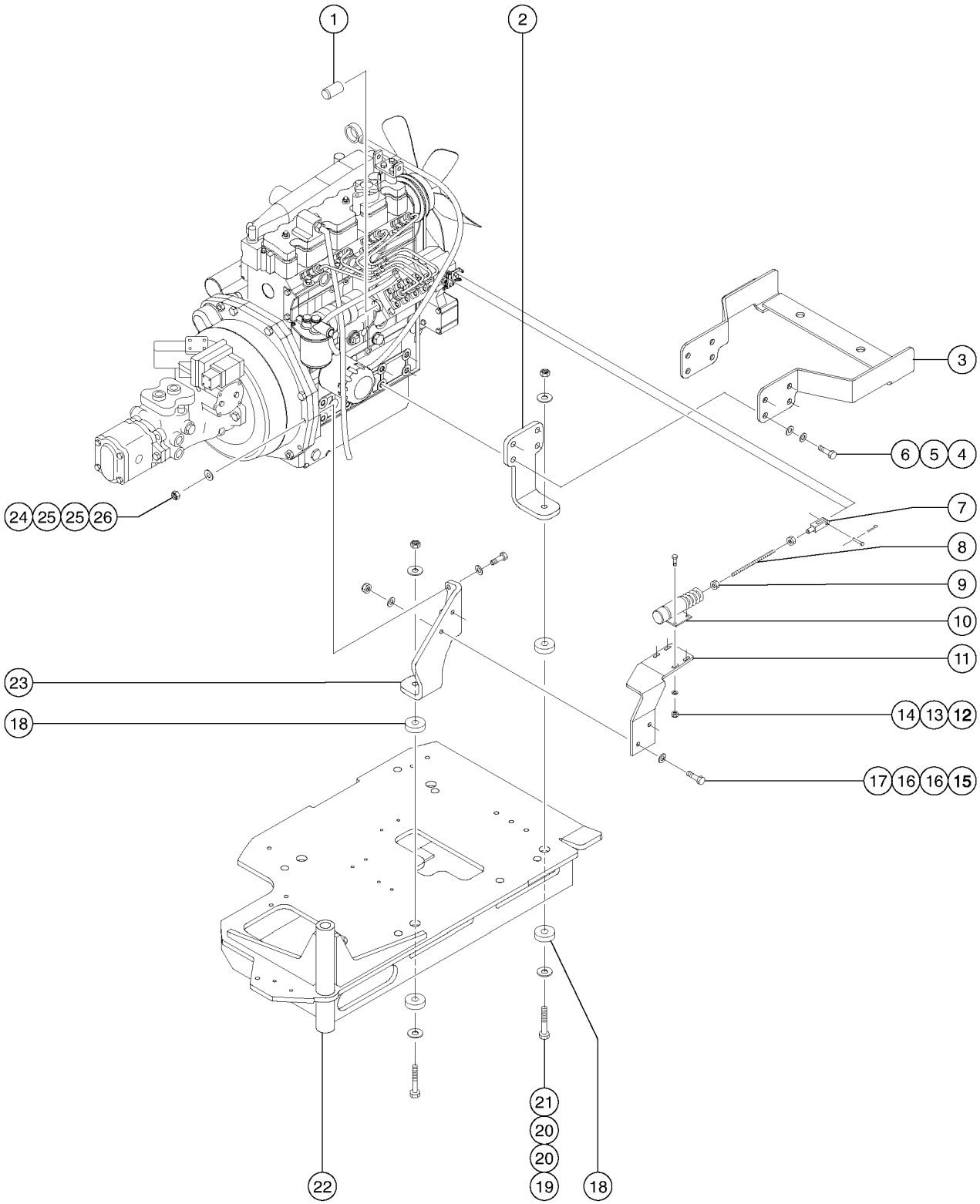
408.1 Perkins 104-22 Engine - View 2



408.1 Perkins 104-22 Engine - View 2

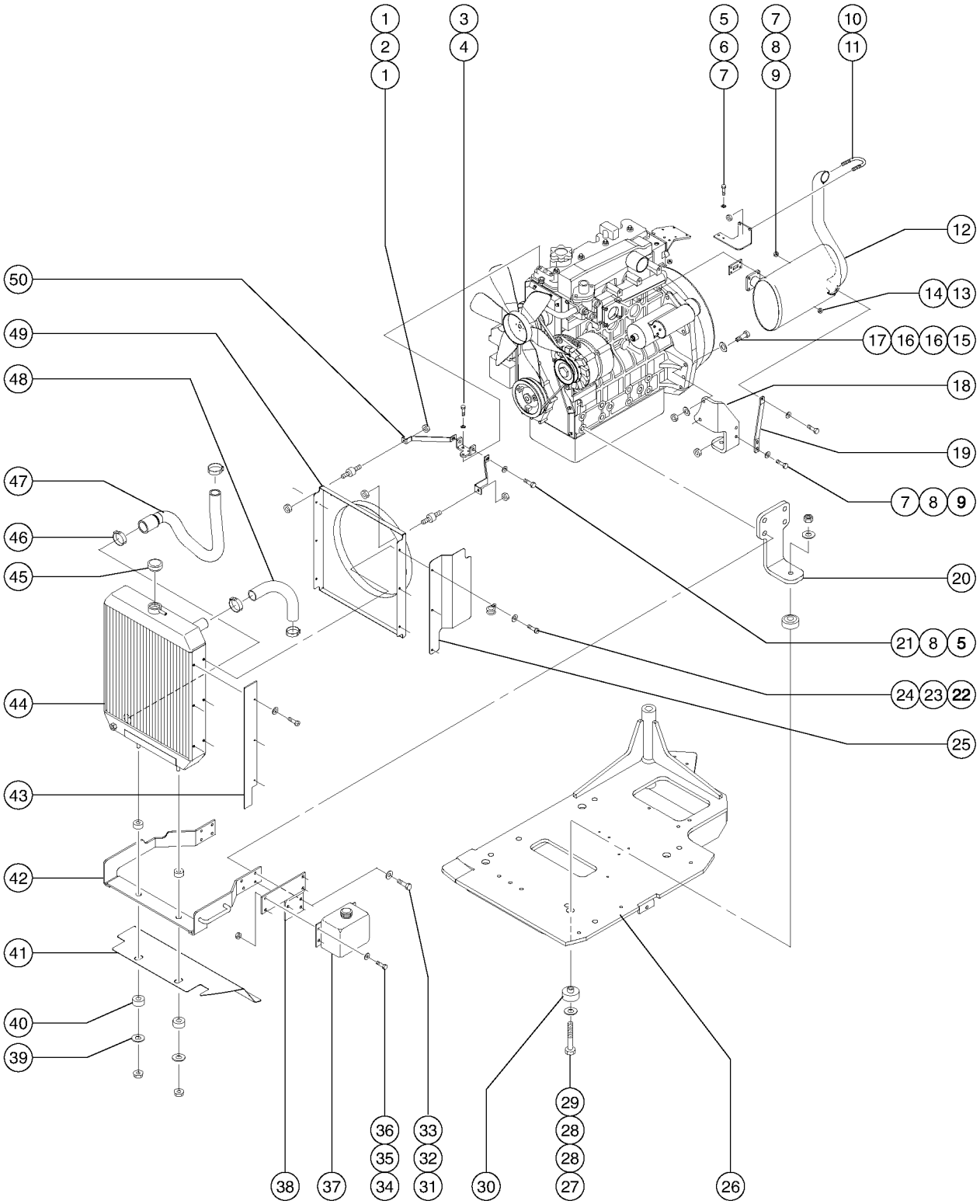
Item	Part No.	Description	Qty.
1	77476GT	HOUSING,THERMOSTAT,PERKINS 104	1
2	147355GT	GASKET-THERMOSTAT HSG	1
3	77478GT	THERMOSTAT (PERKINS 104-22)	1
4	1262585GT	STARTER MOTOR,PERKINS 404D	1
5	72342GT	ALTERNATOR, PERKINS (54555)	1
6	58354GT	GASKET,WATER PUMP	1
7	77481GT	FAN BELT (104-22) PERKINS	1
8	77484GT	EXTENSION, FAN (104-22)	1
9	77483GT	FAN, ENGINE (104-22)(404-22)*	1
10	77482GT	PULLEY, WATER PUMP	1
11	89763GT	PUMP WATER (PERKINS 404)***	1
11	72339GT	SWITCH,WATER TEMP-PERKINS54555	1
11	72340GT	OUTLET,WATER, PERKINS (54555)	1
12	77485GT	PLATE,WATER PUMP (104-22)	1

409.1 Perkins 104-22 Engine - View 3



Item	Part No.	Description	Qty.
1	72350GT	SOLENOID,SHUT DN,PERKINS(54555	1
2	54517PGT	FORMING,FRONT FOOT,PAINTED	2
3	54538GT	WELDMENT,RADIATOR MNT.,PERKINS	1
4	54687GT	SCREW,HHC,M14 X 1.5X40MM,GR8.8	8
5	37505GT	WASHER,LOCK,M14	8
6	49411GT	WASHER,FLAT,M14	8
7	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
8	30785-1000GT	THREADED ROD,1/4-28 X 10 IN***	1
9	21496GT	NUT,HEX,1/4-28	2
10	29073GT	SOLENOID,THROTTLE,	1
10	52537GT	BOOT,SOLENOID,29073	1
11	54553GT	BRACKET,SOLENOID MOUNT,PERKINS	1
12	6091GT	NUT,NYLOCK,1/4-20	4
13	6638GT	WASHER, FLAT, USS, 1/4"Y	4
14	6090GT	SCREW, HHC, 1/4-20 X .75	4
15	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
16	5397GT	WASHER, FLAT, USS, 5/16-18	4
17	4828GT	NUT, NYLOCK, 3/8-16	2
18	24037GT	SHOCK MOUNT,LARGE**	8
19	8357GT	SCREW, HHC, 1/2-13 X 3.5	4
20	6095GT	WASHER,FLAT,USS,1/2",Y	8
21	6198GT	NUT, NYLOCK, 1/2-13	4
22	101044GT	PLATE,ENGINE TRAY***	1
23	54519PGT	FORMING,REAR FOOT RT,PAINTED	1
24	22736GT	NUT,NYLOCK,M10X1.50	4
25	22699GT	WASHER, FLAT, M10, ZINC PLTD.	4
26	44064GT	SCREW,HHC,M10 X 30MM,	4

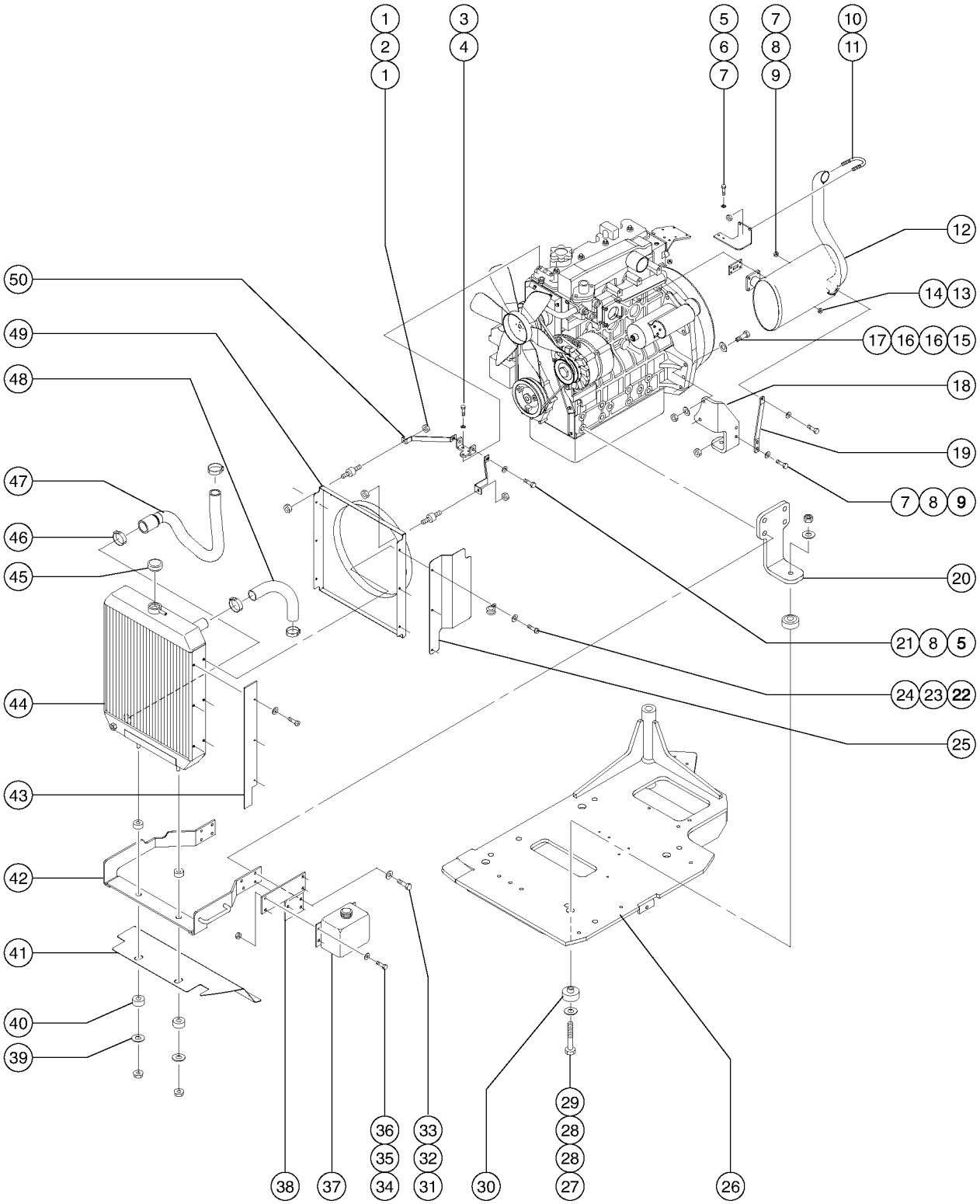
410.1 Perkins 104-22 Engine - View 4



410.1 Perkins 104-22 Engine - View 4

Item	Part No.	Description	Qty.
1	18506GT	SCREW 5/16-18 X .75 LG.FLG.LCK.	4
2	219437GT	ISOLATOR,VIBRATION	2
3	23057GT	SCREW,HHC,M8 X 20MM	2
4	49408GT	WASHER, LOCK, M8	2
5	6175GT	SCREW,HHC,3/8-16 X 1	4
6	6097GT	WASHER, FLAT, USS, 3/8", Y	2
7	4828GT	NUT, NYLOCK, 3/8-16	4
8	5397GT	WASHER, FLAT, USS, 5/16-18	4
9	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	2
10	16584GT	U-BOLT, KIT 5/16-18 X 2.5 ***	1
11	6037GT	NUT,HEX,5/16-18,GR5	2
12	54543GT	MUFFLER,PERKINS 404-22DSL	1
13	59579GT	NUT, HEX FLANGE M 8 X 1.25	4
14	72343GT	GASKET,EXH FLANGE-FORD/PERKINS	1
15	44064GT	SCREW,HHC,M10 X 30MM,	4
16	22699GT	WASHER, FLAT, M10, ZINC PLTD.	4
17	22736GT	NUT,NYLOCK,M10X1.50	4
18	54518GT	FORMING,REAR FOOT LT,PERKINS	1
19	54584GT	BRACKET,PERKINS MUFFLER	1
20	54517GT	FORMING,FRONT FOOT,PERKINS	2
21	7713GT	NUT, LP NYLOCK, 3/8-16	2
22	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	9
23	6146GT	WASHER,FLAT,MS,#10,Y	9
24	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
25	54585GT	GUARD,FAN,PERKINS,PAINTED	1
26	101044GT	PLATE,ENGINE TRAY***	1
27	8357GT	SCREW, HHC, 1/2-13 X 3.5	4
28	6095GT	WASHER,FLAT,USS,1/2",Y	8

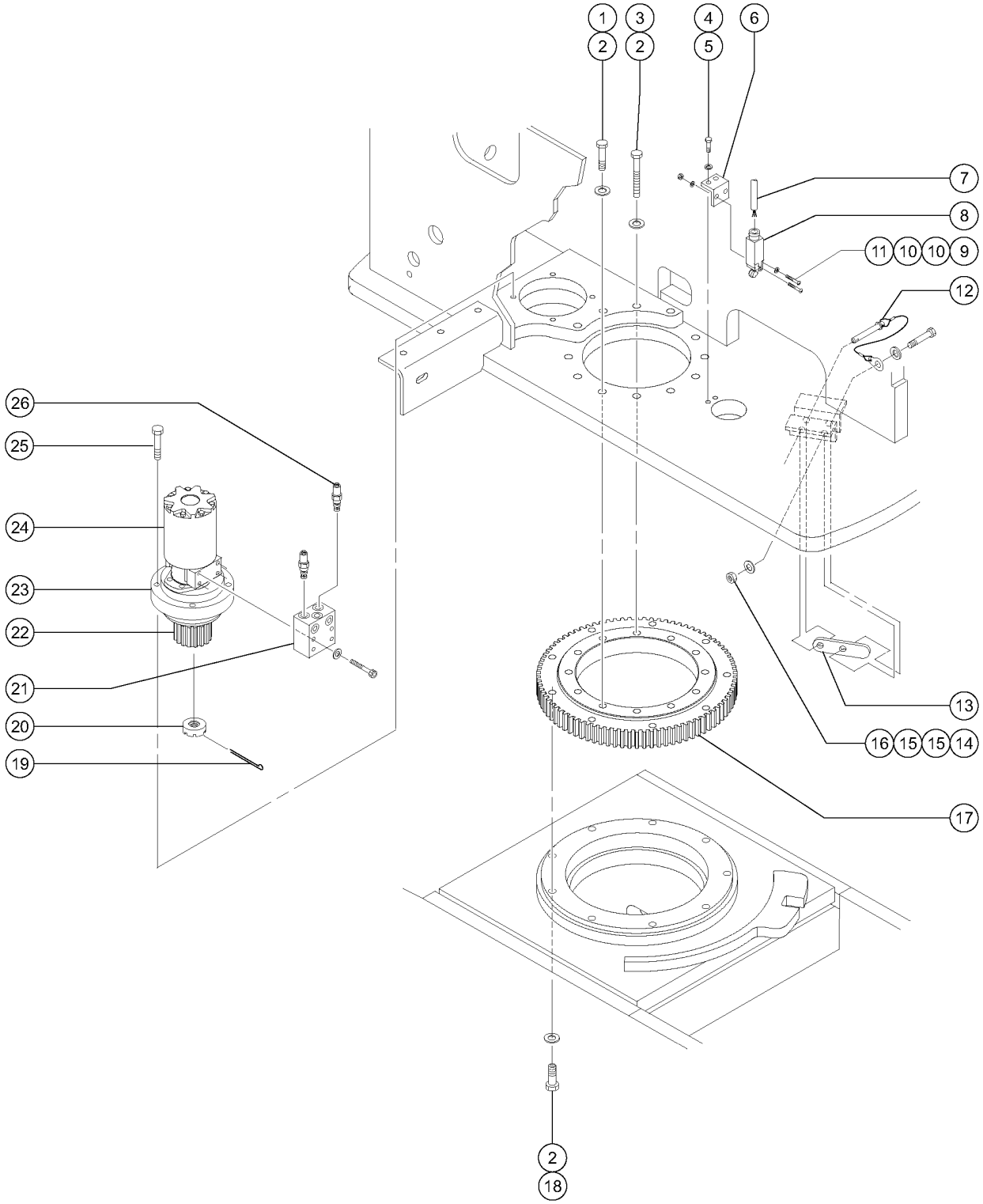
410.1 Perkins 104-22 Engine - View 4



410.1 Perkins 104-22 Engine - View 4

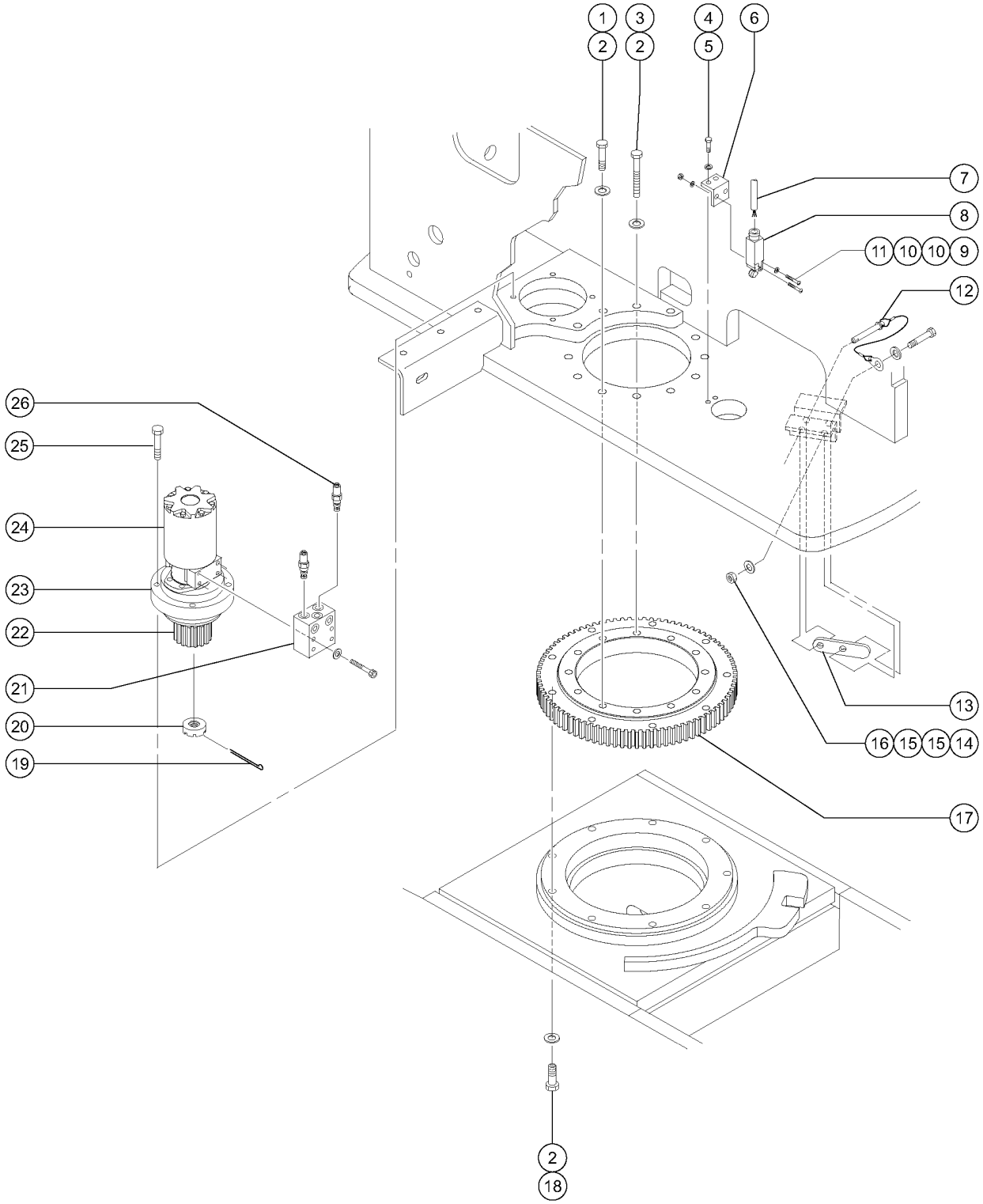
Item	Part No.	Description	Qty.
29	6198GT	NUT, NYLOCK, 1/2-13	4
30	24037GT	SHOCK MOUNT,LARGE**	8
31	54687GT	SCREW,HHC,M14 X 1.5X40MM,GR8.8	8
32	37505GT	WASHER,LOCK,M14	8
33	49411GT	WASHER,FLAT,M14	8
34	6090GT	SCREW, HHC, 1/4-20 X .75	4
35	6638GT	WASHER, FLAT, USS, 1/4"Y	4
36	6091GT	NUT,NYLOCK,1/4-20	4
37	1279268GT	BOTTLE, COOLANT RECOVERY, 2QT	1
37	72327GT	CAP, COOLANT RET SYS(54071)	1
38	54601PGT	BRACKET,COOLANT TANK MNT,PNTD	1
39	15086GT	WASHER,FLAT,.375 X 1.5 X .125	2
40	24038GT	SHOCK MOUNT,SMALL	4
41	54602PGT	PLATE,LOWER AIR BAFFLE,PAINTED	1
42	54538GT	WELDMENT,RADIATOR MNT.,PERKINS	1
43	54189GT	SEAL,RUBBER,BAFFLE,FORD	1
44	110304GT	RADIATOR,FORD/PERKINS***	1
45	27943GT	CAP,RADIATOR,FORD***	1
46	13014GT	CLAMP,HOSE,2.25" DIA.	4
47	54579GT	HOSE,LOWER,RADIATOR,PERKINS	1
47	66031GT	CLAMP,1.88,#30 X 3/8,RUB CUSH not shown	1
48	54578GT	HOSE,UPPER RADIATOR,PERKINS	1
49	54546GT	SHROUD,FAN,PERKINS DSL	1
50	54581GT	STRUT,PERKINS RADIATOR	2

501.1 Turntable Rotator



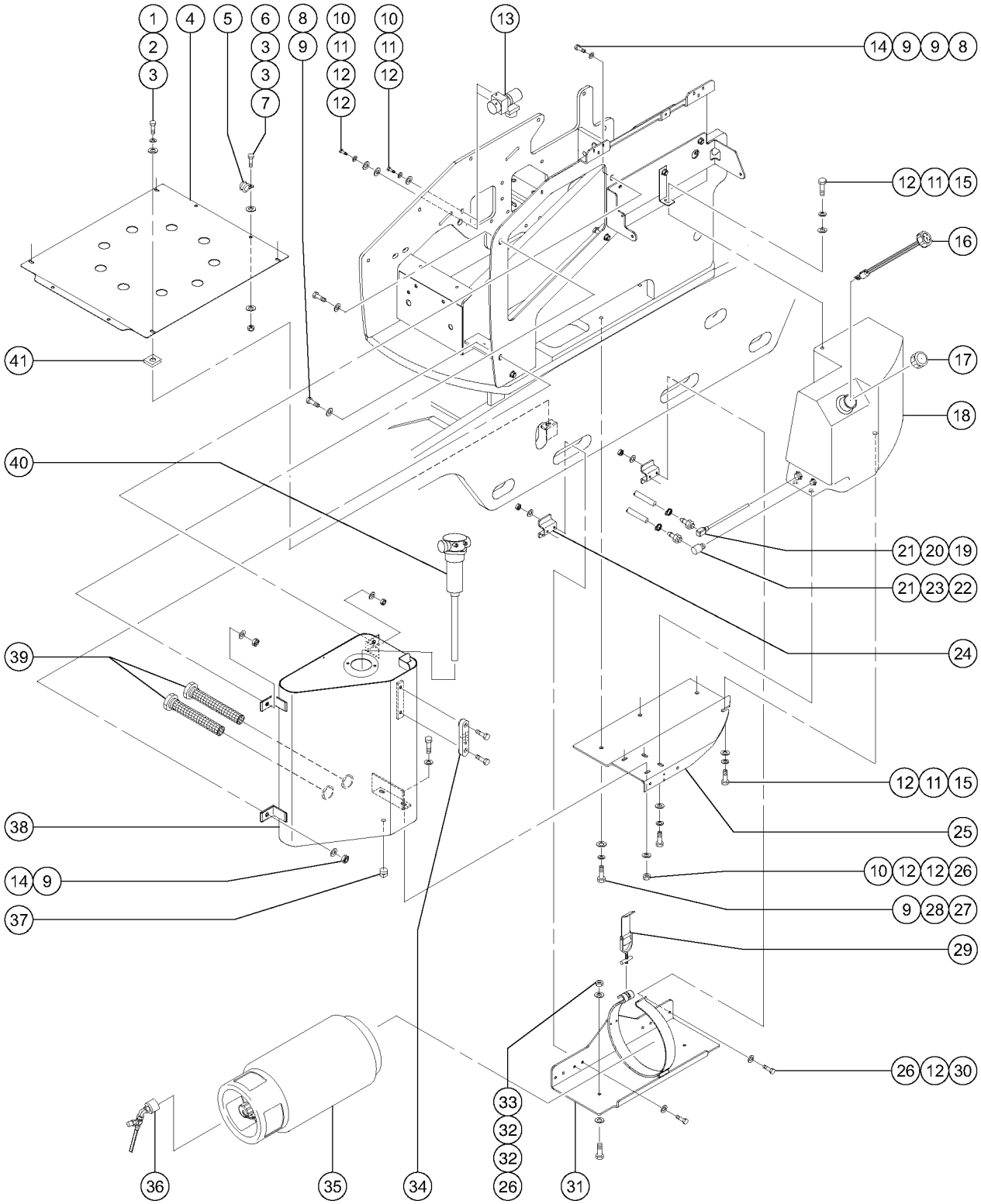
Item	Part No.	Description	Qty.
1	56900GT	SCREW,SHC,5/8-11 X 2.5 BLK	8
2	13064GT	WASHER,FLAT,.625 HARDENED	21
3	21175GT	SCREW,SHC,5/8-11 X 4,A574	4
4	8255GT	SCREW,HHC,3/8-16 X .75	2
5	6021GT	WASHER, LOCK, .375	4
6	50469GT	BRACKET,DRIVE SENSOR,ENABLE	1
7		Ref. Chassis Wire Harness (consult factory)	1
8	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
8-	19491GT	CONTACTOR,LIMIT SWITCH	
8-	97128GT	ROLLER ARM,LIMIT SWITCH***	
9	51063GT	SCREW,PHILLIPS,RHM,10-32 X 1.5	2
10	6146GT	WASHER,FLAT,MS,#10,Y	2
11	6178GT	NUT, NYLOCK, 10-32	2
12	54145-800GT	RETAINING PIN, ASSY	1
13	50776PGT	PLATE,SWING LOCK,PAINTED***	1
14	6198GT	NUT, NYLOCK, 1/2-13	1
15	6095GT	WASHER,FLAT,USS,1/2",Y	2
16	50576GT	SCREW,SHC,1/2-13 X 3.00 to SN 18366	4
16	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC from SN 18367	4
17	50411GT	BEARING,SWING CHASSIS RINGGEAR	1
18	25068GT	SCREW,SHC,5/8-11 X 4.5,A574	9
19	42079GT	PIN,COTTER,.156 X 2.5 to SN 18366	1
20	52767GT	NUT-CASTLE (50414)	1
21	50447GT	MANIFOLD,DUAL COUNTERBALANCE to SN 18366	1
21B	128446GT	MANIFOLD,TURNTABLE ROTATION*** from SN 18367	1
21B-	220255GT	SEAL KIT,MANIFOLD TO MOTOR for 128446	
22	50412GT	PINION GEAR to SN 18366	1
23	50414GT	BRAKE,MICO,12000 IN/LB*** to SN 18366	1

501.1 Turntable Rotator



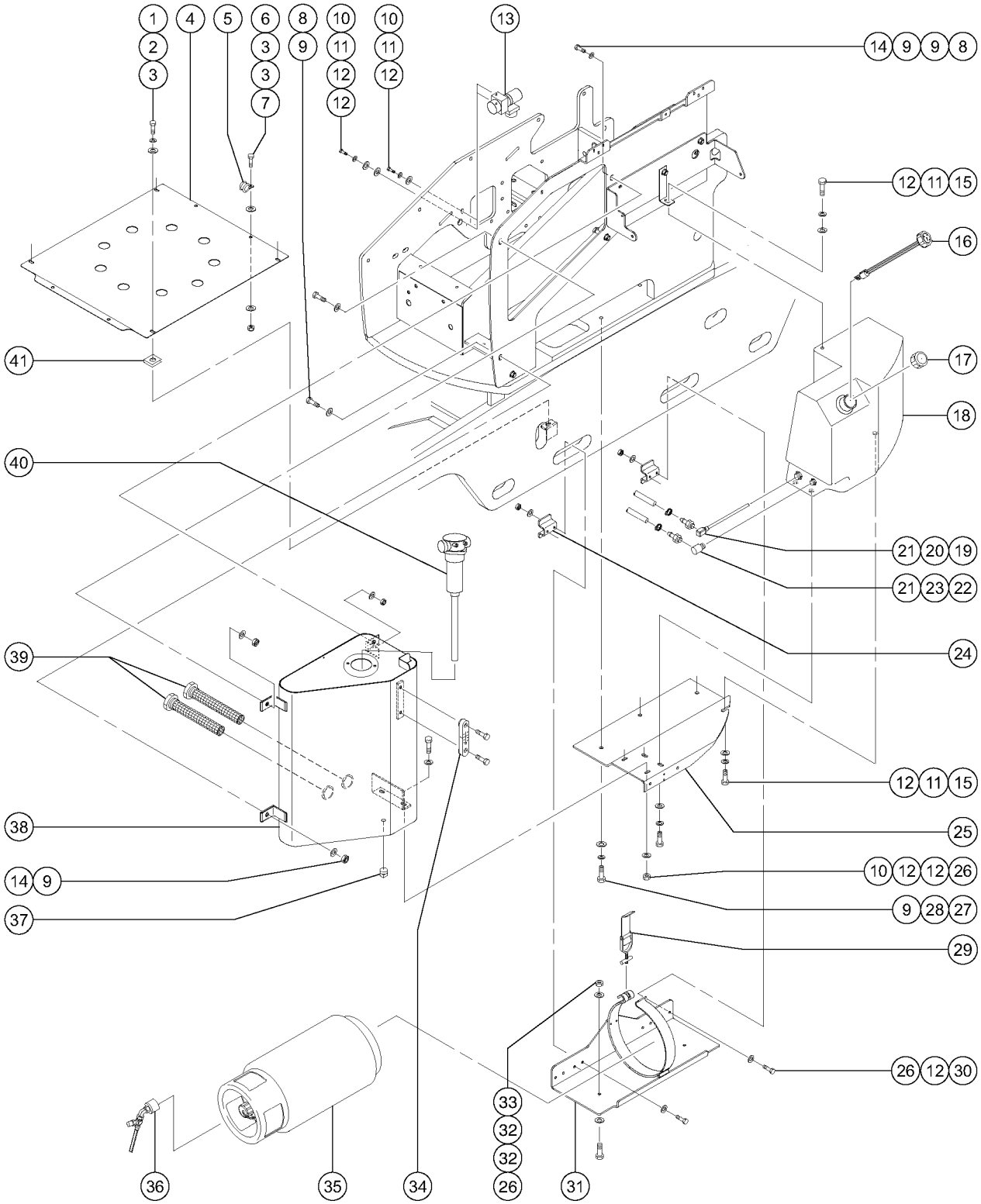
Item	Part No.	Description	Qty.
23	44828GT	SEAL KIT,BRAKE,MICO***	1
23	52770GT	LINING KIT-MICO BRAKE (50414)	1
23	44829GT	BEARING,BRK,MICO **	1
23	52772GT	SPRING KIT-MICO BRAKE (50414)	1
23	1301037GT	SHAFT,BRAKE (50414)	
23	52766GT	KEY-WOODRUFF (50414)	1
24	50413GT	MOTOR,TURNTABLE ROTATE,29.1 to SN 18366	1
24A-	52783GT	SEAL KIT,TRNTBLE ROT MTR(50413 for 50413	1
24A-	43683GT	O-RING,2-042 N674-70*** to SN 18366	1
24B		Ref: Swing Drive Assy 77082 is no longer available, order PN 824050	
24B-	77246GT	SEAL KIT,SWING MOTOR*** for 77082	
24B-	128446GT	MANIFOLD,TURNTABLE ROTATION*** for 77082	
24B-	220255GT	SEAL KIT,MANIFOLD TO MOTOR for 128446	
24B-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
24C		SWING DRIVE ASSY*** 147209 is no longer available, order PN 824050	
24C-		SEAL KIT,SWING DRIVE*** component no longer available	
24C-		BRAKE KIT, SWING DRIVE component no longer available	
24C-		MANIFOLD KIT, SW DRIVE component no longer available	
24C-	220255GT	SEAL KIT,MANIFOLD TO MOTOR for 147212	
24C-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
24D	824050GT	SWING DRIVE ASSEMBLY replaces PNs 77082 & 147209, from SN 18367	
24D-	824051GT	SEAL KIT, SWING DRIVE for 824050	
24D-	824052GT	VALVE BLOCK, SWING DRIVE for 824050	
24D-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
25	50576GT	SCREW,SHC,1/2-13 X 3.00 to SN 18366	4
25B-	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC from SN 18367	
26	33428GT	VALVE,COUNTERBALANCE to SN 18366	2

502.1 Fuel and Hydraulic Tanks



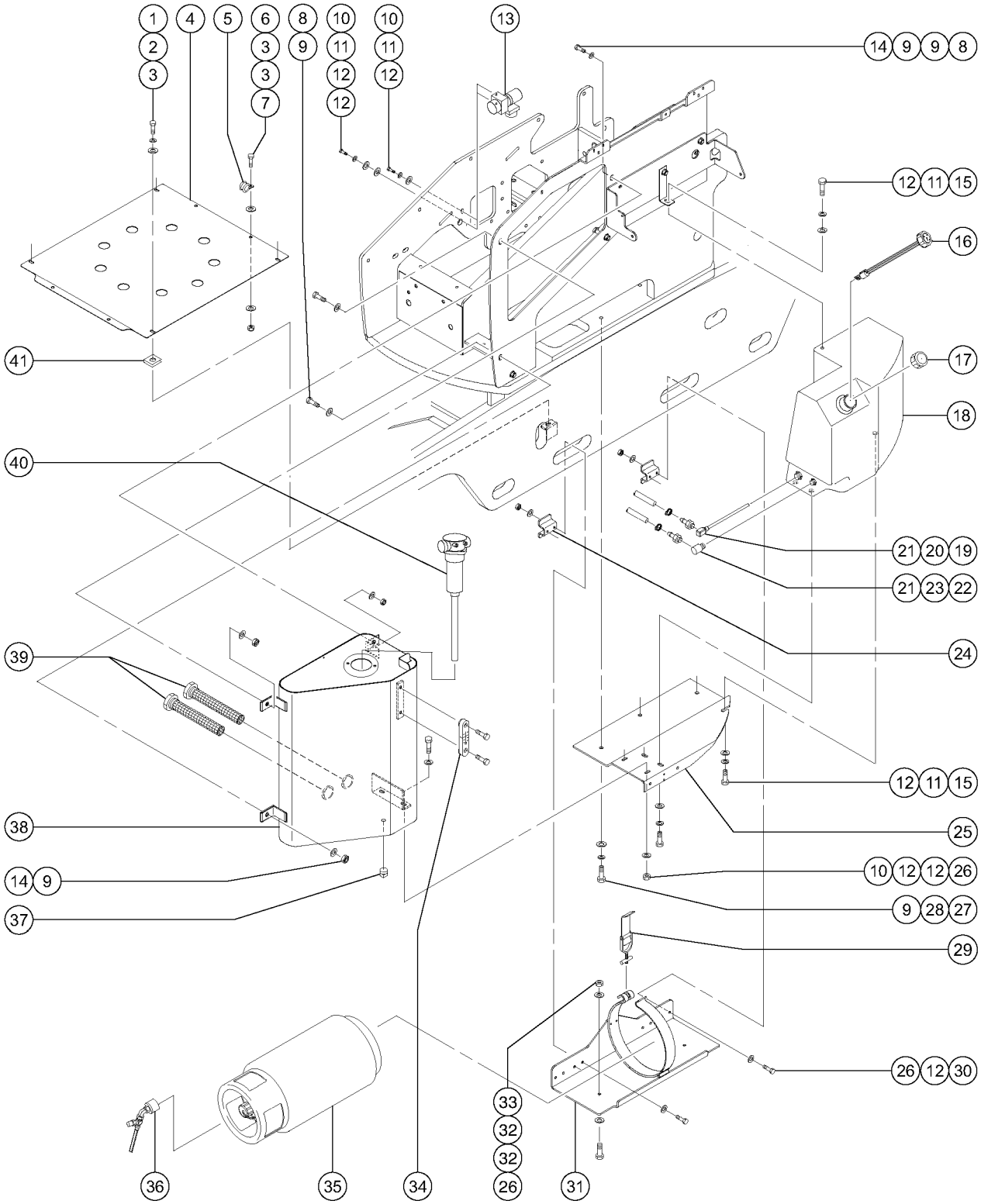
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	4
2	6356GT	WASHER, LOCK, .25	4
3	6638GT	WASHER, FLAT, USS, 1/4"Y	4
4	50028PGT	FORMING,BELLY PAN,PAINTED	1
5	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
6	6090GT	SCREW, HHC, 1/4-20 X .75	1
7	6091GT	NUT,NYLOCK,1/4-20	1
8	8177GT	SCREW,HHC,1/2-13 X 1.5	3
9	6095GT	WASHER,FLAT,USS,1/2",Y	12
10	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	9
11	6021GT	WASHER, LOCK, .375	8
12	5397GT	WASHER, FLAT, USS, 5/16-18	14
13	112379GT	POWER UNIT,12VDC AUX*** to SN 17345	1
13-	43687GT	MOTOR,12VDC (42185) to SN 17345	1
13-	43688GT	PUMP ASSY (42185) to SN 17345	1
13-	112308GT	SOLENOID,12V,APU to SN 17345	1
13-	38156GT	VALVE,RELIEF KIT,MONARCH** to SN 17345	1
13A	77066GT	ASSEMBLY, AUX POWER UNIT, 12VD from SN 17346	1
13A-	77069GT	MOTOR,12VDC,77066 from SN 17346	1
13A-	77070GT	PUMP ASSY.,77066 from SN 17346	1
13A-	77071GT	SOLENOID,77066 from SN 17346	1
13A-	77072GT	CHECK VALVE KIT,77066 from SN 17346	1
14	6198GT	NUT, NYLOCK, 1/2-13	3
15	8255GT	SCREW,HHC,3/8-16 X .75	1
16	101727GT	CAP,FUEL,GAS,1/8"VENT(RED) Gasoline/LPG models	1
17	101726GT	CAP,FUEL,DIESEL,1/8"VENT(GRN) Diesel models, no longer available, (replaced by 1316635)	1
17B	1316635GT	CAP, FUEL, DIESEL, 0.08 IN HOLE (BLACK)	1
18	119798GT	FUEL TANK ASSY, 17 GAL PLASTIC	1

502.1 Fuel and Hydraulic Tanks



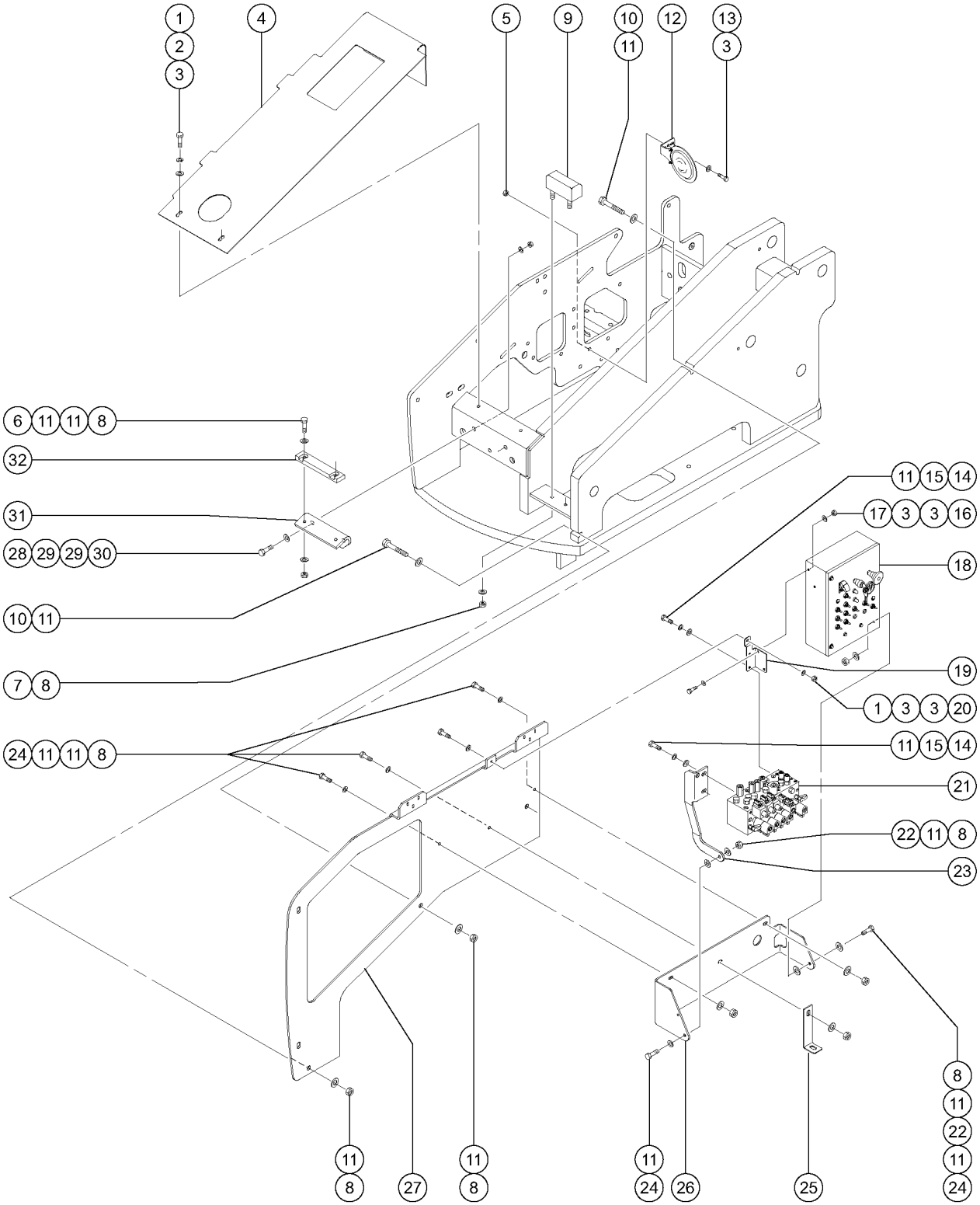
Item	Part No.	Description	Qty.
19	54437GT	HOSE END,BARB,1/4 MNPTX5/16,ST	1
20	54124GT	HOSE END,BARB,3/8 MNPT X 5/16	1
21	54123GT	CLAMP,HOSE,1 EAR, 5/8	2
22	54205GT	HOSE END,BARB,1/4 MNPTX5/16,90	1
23	27586GT	HOSE END,MALE,.313 X .25 MPT	1
24	60139GT	FORMING,LP BRACKET MOUNT Ford models	2
25	50416PGT	PLATE,TANK SIDE,PAINTED	1
26	4828GT	NUT, NYLOCK, 3/8-16	9
27	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	3
28	6033GT	WASHER,LOCK,0.5"	3
29	49000GT	L.P.TANK LATCH Ford models	1
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	4
31	60143-SGT	WELD, LPG TANK MOUNT Ford models	1
32	6097GT	WASHER, FLAT, USS, 3/8", Y	2
33	39478GT	SCREW,HHC,3/8-16 X 2 FULL THRD	1
34	21141GT	GAUGE-SIGHT,LHA-LGTB*** includes mounting fasteners	1
35	53605GT	TANK, 7 GAL/33.5 POUND, LP Ford models	1
36	119055GT	HOSE ASSY,LP GAS 144 inches	1
36	73599GT	CAP,PROT.,RED,1.38ID X .75 DP	1
37	54160GT	PLUG,DRAIN,3/8",MAGNETIC	1
38	50406GT	TANK,HYDRAULIC,24 GAL. to SN 20757	1
38	53527GT	CAP,FILLER BREATHER,3 MICRON**	1
38	88244GT	TANK,HYDRAULIC 24 GAL from SN 20758	1
39	45161GT	STRAINER ASSEMBLY,1.5" NPT	2
40A	110345GT	FILTER ASSY,INTANK includes item 40B	1
40A-	147223GT	SEAL,FILTER LID	
40B	77353GT	KIT,ELEMENT**	
40B-	94526GT	GASKET,RETURN FILTER-77353	

502.1 Fuel and Hydraulic Tanks



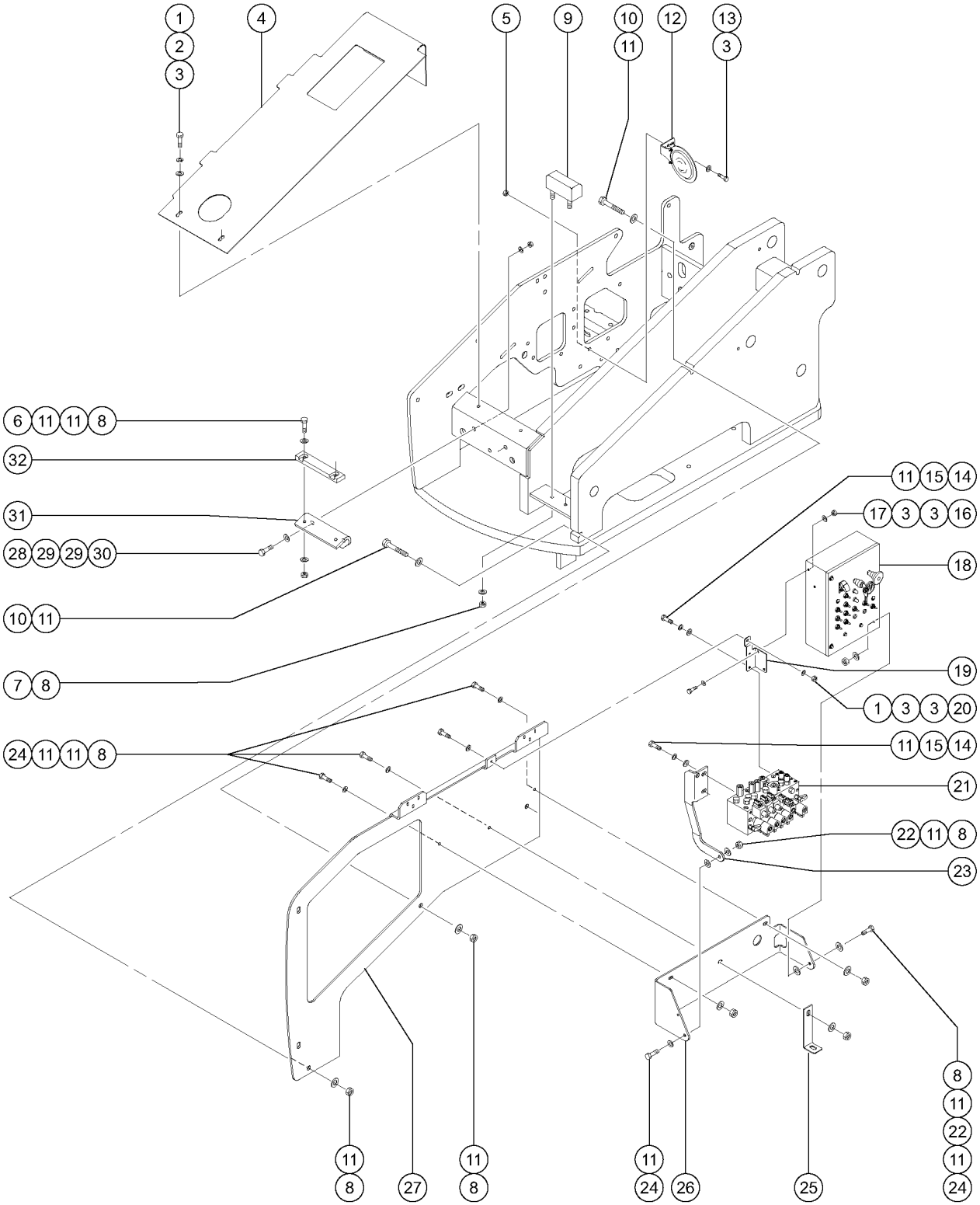
Item	*Part No.*	*Description*	*Qty.*
40B-	77354GT	FILTER LID,RFM165	
40B-	77365GT	BREATHER CAP,RFM165	
40B-	88917GT	FILTER,ELEMENT,BETA(10)=200	
41	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

503.1 Function Manifold and Ground Control Box Installation



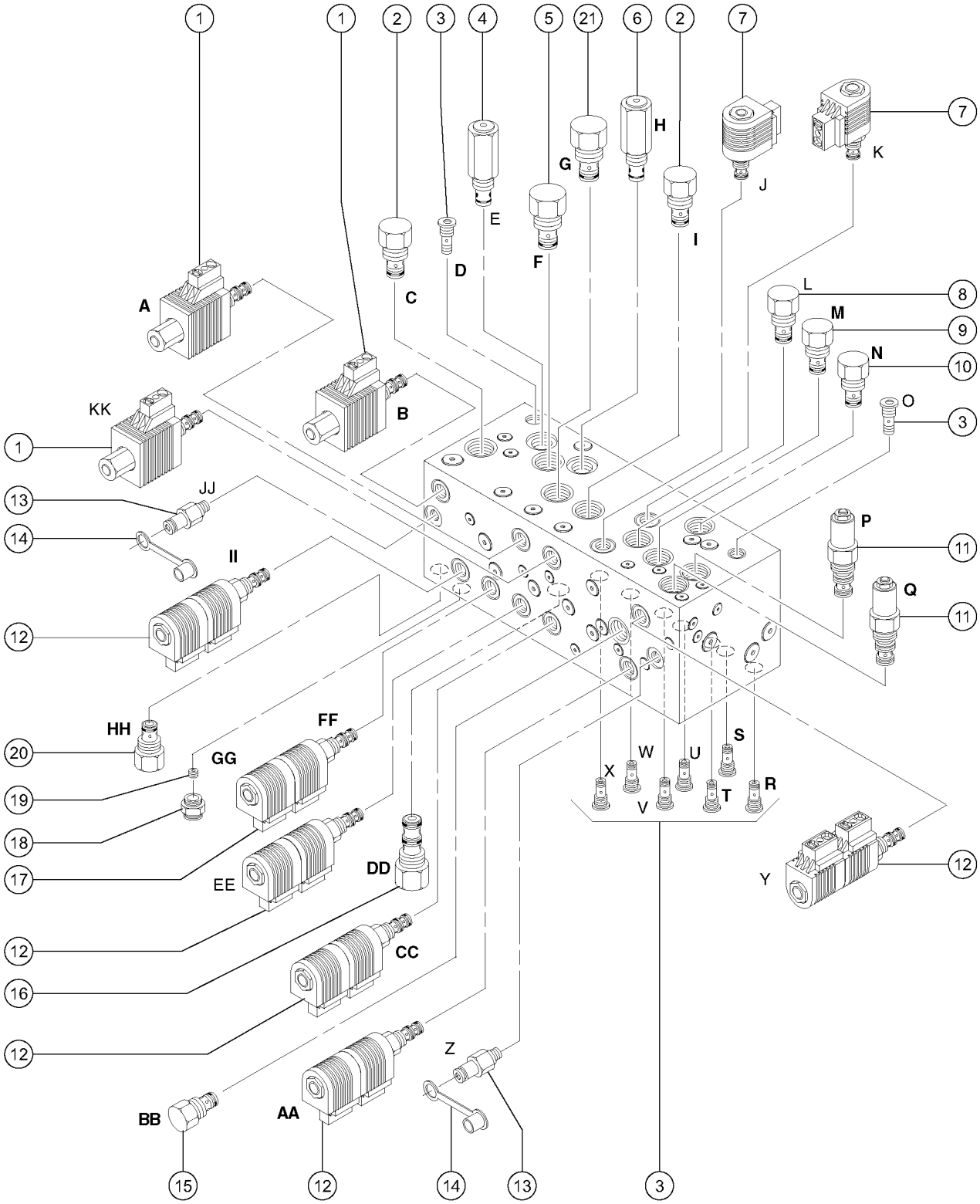
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	3
2	6356GT	WASHER, LOCK, .25	2
3	6638GT	WASHER, FLAT, USS, 1/4"Y	9
4	50423PGT	COVER,SWING CHASSIS CENTER,PAI to SN 17000	1
4	54922PGT	COVER,CENTER SWING CHASSIS,PNT from SN 17001	1
5	6782GT	NUT, NYLOCK, 5/16-18	1
6	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
7	6097GT	WASHER, FLAT, USS, 3/8", Y	2
8	4828GT	NUT, NYLOCK, 3/8-16	13
9	56927GT	PAD,REST,2"THICK,W/STUDS*	1
10	14033GT	SCREW, HHC, 3/8-16 X 2.75	3
11	5397GT	WASHER, FLAT, USS, 5/16-18	22
12	81578GT	HORN,12VDC,SPADE TERMINALS***	1
13	13000GT	SCREW,HHC,5/16-18 X 1.25	1
14	6175GT	SCREW,HHC,3/8-16 X 1	4
15	6021GT	WASHER, LOCK, .375	4
16	6889GT	NUT,LP NYLOCK,1/4-20	2
17	6090GT	SCREW, HHC, 1/4-20 X .75	2
18		Ref. Ground Controls (refer to 505.1 and 506.1)	2
19	54289GT	BRACKET,GROUND CONTROL BOX	1
20	6091GT	NUT,NYLOCK,1/4-20	1
21		Ref. Function Manifold (refer to 504.1)	1
22	47228GT	WASHER,NYLON,.406 X.750 X.032	2
23	50762-SGT	BRACKET,MANIFOLD MNT.Z45/25	1
24	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	5
25	50937GT	BRACKET,FUEL TANK STRAP	1
26	50754PGT	PLATE,MANIFOLD/CNTRL BOX MOUNT	1
27	50630PGT	BULKHEAD,TANKSIDE PAINTED to SN 11148	1

503.1 Function Manifold and Ground Control Box Installation



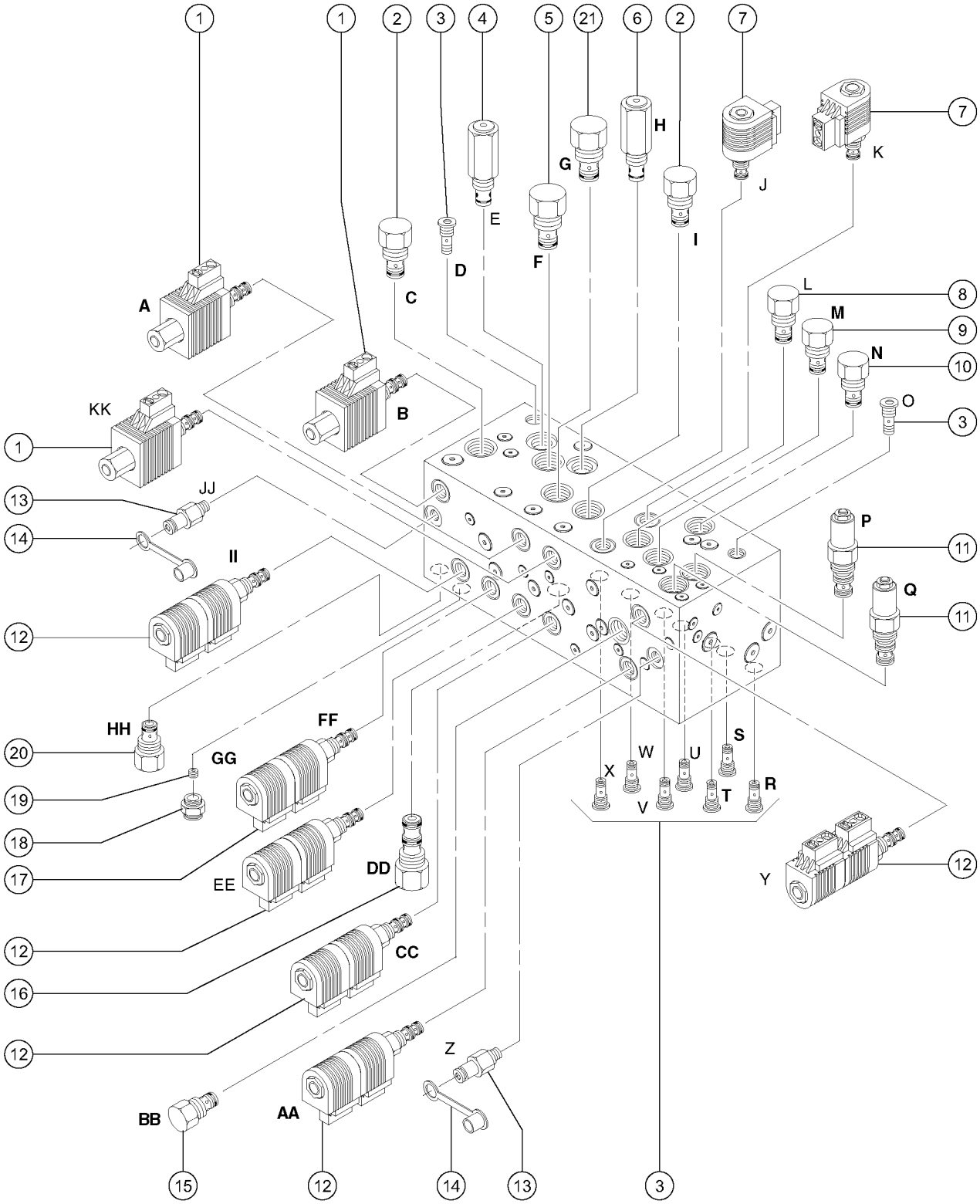
Item	*Part No.*	*Description*	*Qty.*
27	54288PGT	BULKHEAD,TANKSIDE,PAINTED from SN 11149	1
28	6096GT	SCREW,HHC,1/2-13 X 2 GR5	2
29	6095GT	WASHER,FLAT,USS,1/2",Y	4
30	6198GT	NUT, NYLOCK, 1/2-13	2
31	50569PGT	ANGLE,PRIM BOOM REST,NONJIB,PA Z45/25 models	1
32	50570GT	WEAR PAD,PRIMARY BOOM,NON JIB Z45/25 models	1

504.1 Function Manifold



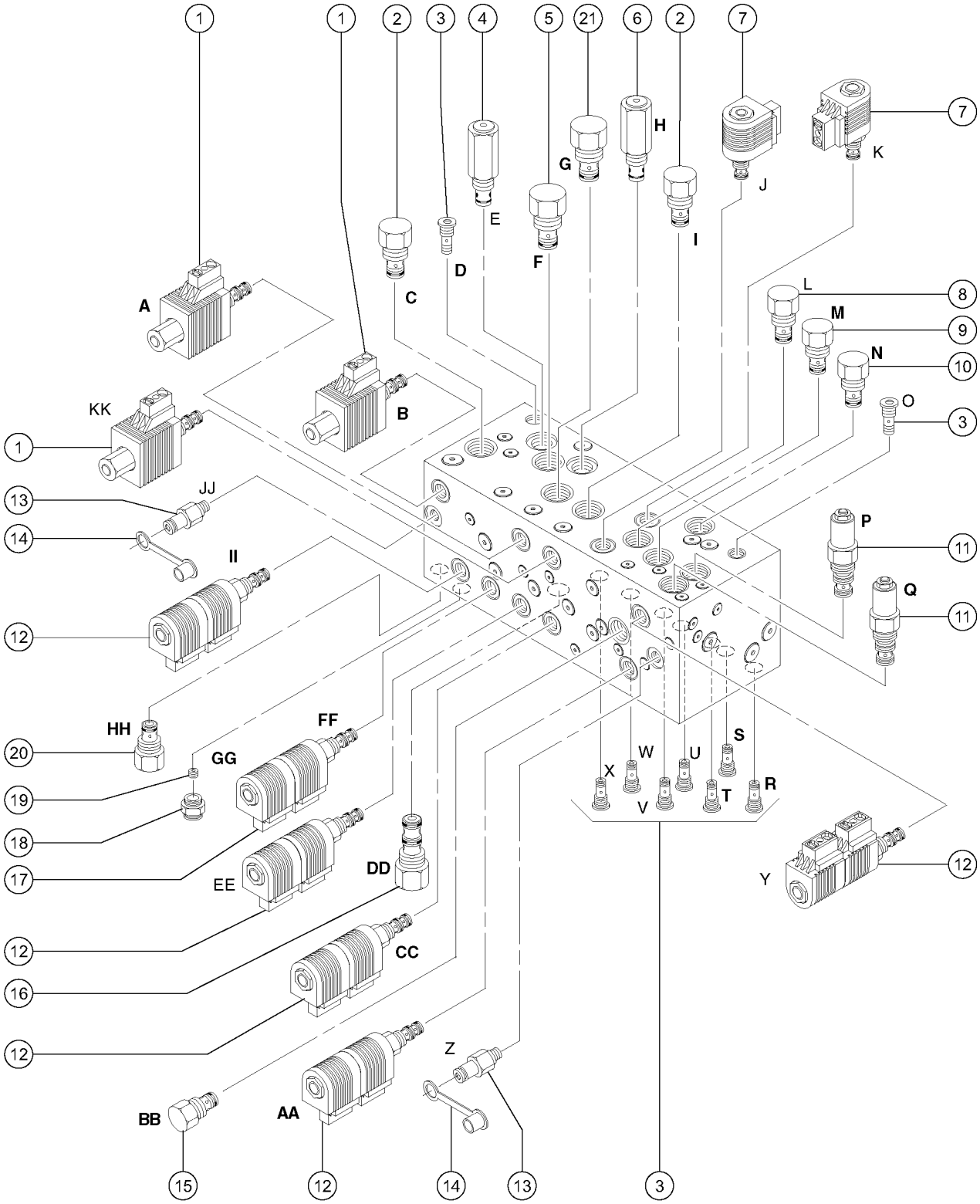
Item	Part No.	Description	Qty.
	50683GT	MANIFOLD,FUNCTION,Z45IC does not include index numbers 18 and 19; Complete to SN 12603	
	33998GT	VALVE,RELIEF*** Relief Valve 2300 psi, used on manifold 50683 only (not shown, adjacent to item 7) to SN 12603	
	54490GT	MANIFOLD,FUNCTION,Z45/25 IC includes fittings; Complete from SN 12604 to SN 19714	
	77218GT	MANIFOLD,FUNCT.IC,DUAL SPADE includes fittings; Complete from SN 19715 to SN 20757	
	88289GT	MANIFOLD,FUNC.IC DUAL SPADE includes fittings; Complete from SN 20758	
	28750GT	O-RING KIT,FIELD SVC,ALL PROD*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
1	52711GT	VALVE-PROPORT.,SOLENOID DV DC	3
1	52718GT	NUT-VALVE,PROP. SOLENOID-50683	3
1	52710GT	COIL,SOLENOID VALVE, 12V	3
1-	89312GT	SEAL KIT, SOLENOID VALVE for 52711	
2	27802GT	VALVE,DIFFERENTIAL SENSING***	2
3	43599GT	VALVE,CHECK	9
3-	110200GT	SEAL KIT, VALVE, #4	
4	31527GT	VALVE,RELIEF 1800 PSI	1
5	19207GT	VALVE,FLOW REGULATOR	1
6	52715GT	VALVE,RELIEF 3200 PSI	1
7	65766GT	VALVE,SOLENOID,10V W/DIODE***	2
7	45912GT	NUT,SOLENOID VALVE 2P3W	2
7	43601GT	COIL,SOLENOID VLV,10V W/ DIODE	2
8	52716GT	VALVE-FLOW REGULATOR 2.0 GPM	1
9	27051GT	VALVE,FLOW REGULATOR to SN 19713	1
9	62258GT	VALVE,NEEDLE*** from SN 19716	1
10	32975GT	VALVE,FLOW REGULATOR 0.1 GPM	1
11A	52717GT	VALVE,COUNTERBALANCE***** to SN 19714	2
11B	77411GT	VALVE,COUNTERBALANCE from SN 19715	2

504.1 Function Manifold



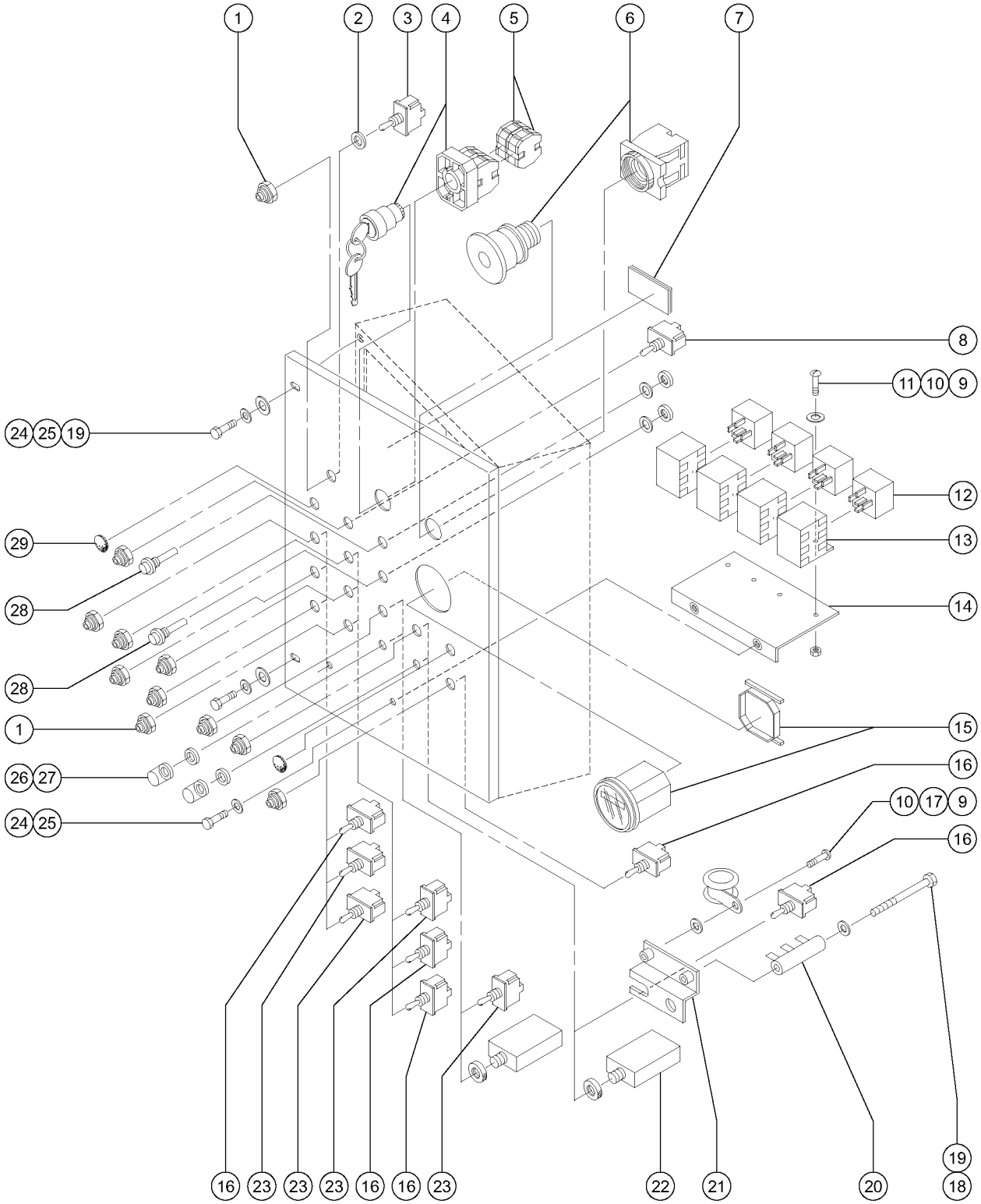
Item	Part No.	Description	Qty.
12	52713GT	VALVE,SOLENOID,3 POS 4 WAY,10V for use with single spade coil only; please contact Genie service dept for dual spade valve assembly	5
12-	45912GT	NUT,SOLENOID VALVE 2P3W	5
12-	43601GT	COIL,SOLENOID VLV,10V W/ DIODE single spade coil; to SN 19714	5
12-	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* dual spade coil; from SN 19715	5
12-	72047GT	SEAL KIT, SOLENOID VALVE for 52713	
13	48997GT	NIPPLE,DIAGNOSTIC,#4	2
13	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	2
14	48880GT	CAP,DIAGNOSTIC NIPPLE	2
15	31100GT	VALVE,FLOW REGULATOR 0.6GPM	1
16	27804GT	VALVE,DIFFERENTIAL SENSING***	1
17	52712GT	VALVE-SOLENOID,3 POSITION 4WAY includes coils	1
17-	45912GT	NUT,SOLENOID VALVE 2P3W	1
17-	43601GT	COIL,SOLENOID VLV,10V W/ DIODE	1
17-	72047GT	SEAL KIT, SOLENOID VALVE for 52712	
18	48916GT	CONN, 520120-6 to SN 19714	1
18	48905GT	CONNECTOR, 520120-4 from SN 19715	1
19	77186GT	PLUG,ORIFICE,1.00MM(.039IN)	1
20	27759GT	VALVE,CHECK	1
21	65600GT	VALVE,DIFF SENSING (54490)	1
A		Proportional Solenoid Valve Turntable Rotate Left/Right	
B		Proportional Solenoid Valve Secondary Boom Up/Down	
C		Flow Regulator Secondary Boom Up/Down	
D		Check Valve Differential Sensing Circuit, Secondary Boom Up/Down	
E		Relief Valve Secondary Boom Down	
F		Priority Flow Regulator Steer Left/Right Circuit	
G		Flow Regulator Turntable Rotate Left/Right	
H		Relief Valve System Relief	
I		Flow Regulator Valve Primary Boom Up/Down	

504.1 Function Manifold



Item	Part No.	Description	Qty.
J		Solenoid Valve, Primary Boom Retract	
K		Solenoid Vave, Primary Boom Extend	
L		Flow Regulator Valve, Primary Boom Extend/Retract	
M		Flow Regulator Valve, Platform Level Circuit	
N		Flow Regulator Valve, Differential Sensing Circuit	
O		Check Valve Differential Sensing Circuit, Platform Level Down	
P		Counterbalance Valve Platform Level Down	
Q		Counterbalance Valve Platform Level Up	
R		Check Valve Differential Sensing Circuit, Platform Level Up	
S		Check Valve Differential Sensing Circuit, Jib Boom Up/Platform Rotate Left	
T		Check Valve Differential Sensing Valve, Jib Boom Down/Platform Rotate Right	
U		Check Valve Differential Sensing Circuit, Primary Boom Retract	
V		Check Valve Differential Sensing Circuit, Primary Boom Extend	
W		Check Valve Differential Sensing Circuit, Primary Boom Up/Down	
X		Check Valve Differential Sensing Circuit, Turntable Rotate Left/Right	
Y		Solenoid Valve, Platform Level Up/Down	
Z		Diagnostic Nipple Testing	
A A		Solenoid Valve Jib Boom Up/Down and Platform Rotate Left/Right	
B B		Flow Regulator Valve, Jib Boom Up/Down and Platform Rotate Left/Right	
C C		Solenoid Valve, Primary Boom Up/Down	
D D		Differential Sensing Valve Meters Flow To All Functions	
E E		Solenoid Valve, Turntable Rotate Left/Right	
F F		Solenoid Valve, 3 position 4 way Steer Left/Right	
G G		Orfice Secondary Boom Circuit	
H H		Check Valve Secondary Boom Circuit	
I I		Solenoid Valve, Secondary Boom Up/Down	
J J		Diagnostic Nipple Testing	
K K		Proportional Solenoid Valve Primary Boom Up/Down	

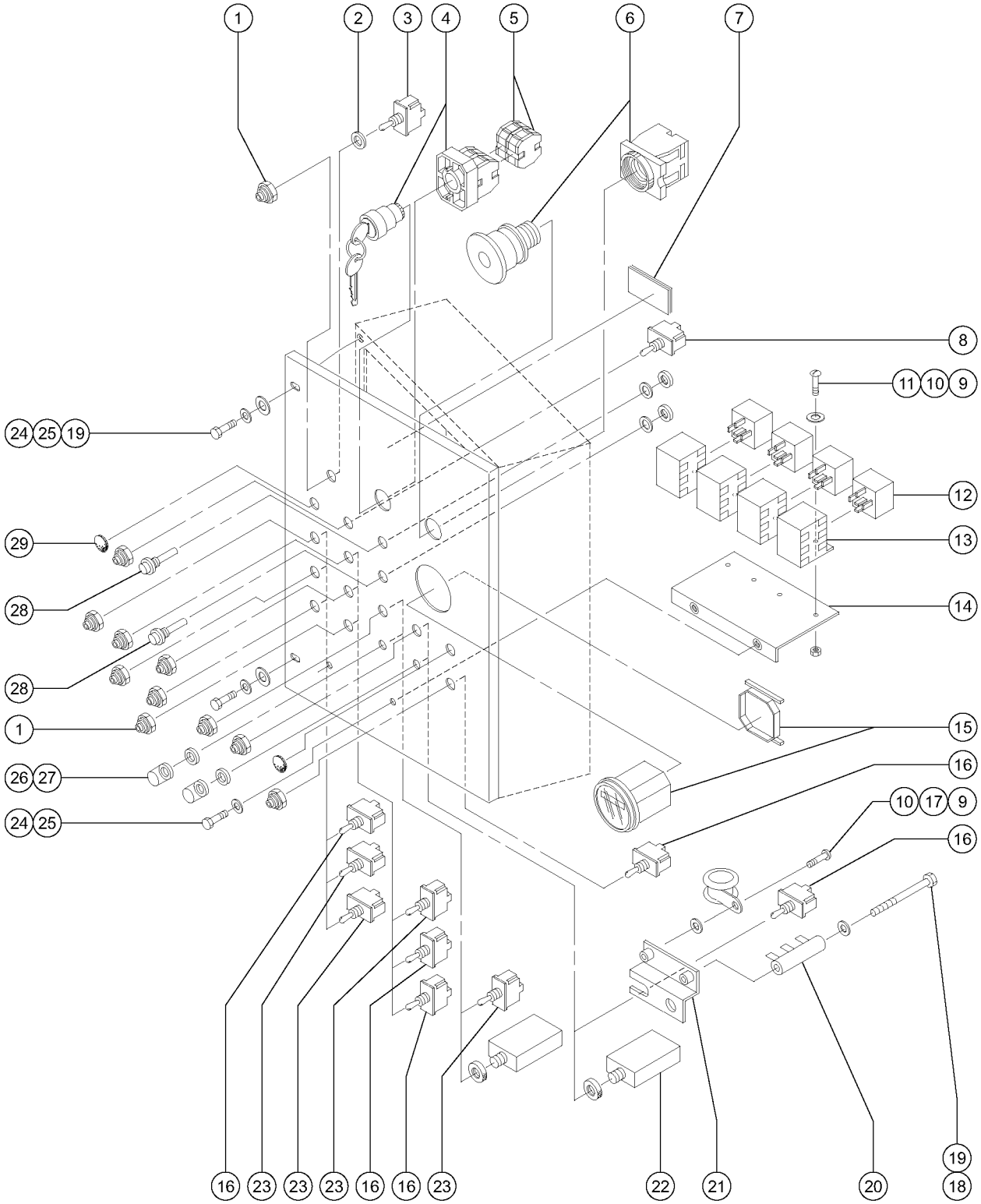
505.1 Ground Controls - View 1



505.1 Ground Controls - View 1

Item	Part No.	Description	Qty.
1	27246GT	BOOT,TOGGLE SWITCH,SHORT*	11
2	54692GT	SPACER,NYLON,.718 X .526 X.219	11
3	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN includes mounting fasteners	1
4	122512GT	KIT,KEYSWITCH SVC BB & SM BOOM to SN 19374	1
4-	21982GT	KEY,SINGLE***	1
4-	37947GT	KEYS,10 PACK***	1
4-	66821GT	BASE,WITHOUT CONTACTS	1
4A	66811GT	KEYSWITCH,3POS.MNTND.DR WKEY** from SN 19375, includes keyswitch and two keys, not included: base and contacts.	1
4A-	21982GT	KEY,SINGLE***	1
4A-	37947GT	KEYS,10 PACK***	1
4A-	66814GT	BASE,WITH 2 N.O. CONTACTS***	1
5	66816GT	CONTACT,N.O.*** to SN 19374	2
6	122514GT	KIT,ESTOP SVC BB&SM BOOM to SN 19374	1
6-	66821GT	BASE,WITHOUT CONTACTS	1
6-	66818GT	CONTACT,NC	1
6A	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD from SN 19375	1
6A-	73805GT	BASE,W/2 NC CONTACTS***	1
6A-	66818GT	CONTACT,NC	1
7	30997GT	CORROSION INHIBITOR,FOAM	1
8	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT (replaced 27378-S)	1
9	49826GT	SCREW,PHILLIPS,PHM,10-32 X.625	3
10	6146GT	WASHER,FLAT,MS,#10,Y	3
11	6178GT	NUT, NYLOCK, 10-32	2
12	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Ford models; terminals not included	4
12-	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** Deutz and Perkins models; terminals not included	7
12-	34054GT	TERM,RELAY N-INSULATED 10-12 G	7
12-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	7
12-	34056GT	TERM,RELAY,N-INSULATE 18-20 GA	7

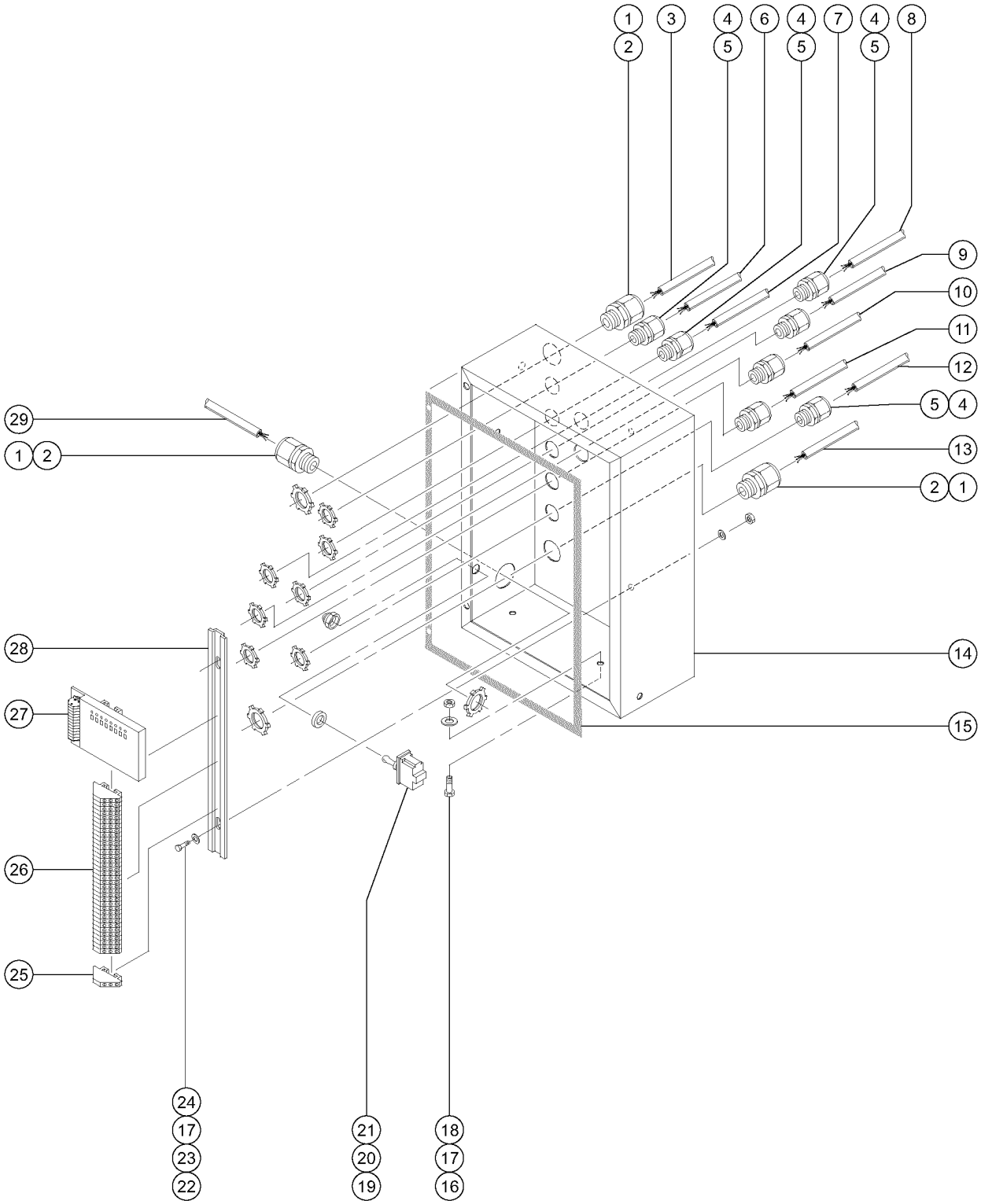
505.1 Ground Controls - View 1



505.1 Ground Controls - View 1

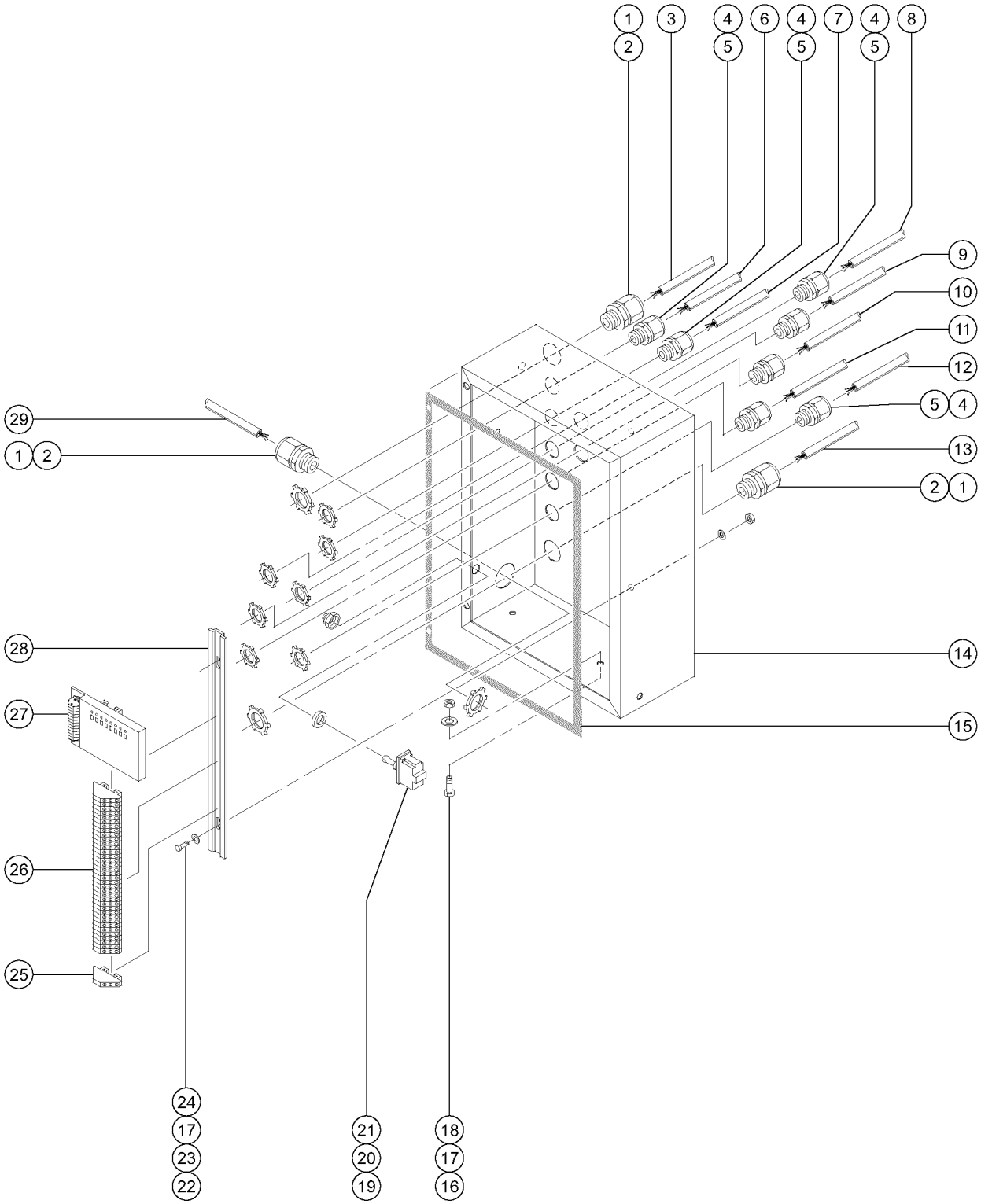
Item	Part No.	Description	Qty.
13	34053GT	ASSY,RELAY SOCKET, AUTO	4
13-		RELAY SOCKET,AUTO,RETAINER*** component of 34053	
14	54534GT	ANGLE,RELAY MNT,W/NUTSERTS,PNT	1
15	56100GT	HOUR METER,LCD,9-60 VDC*** includes mounting bracket; to SN 19374	1
15-	19506GT	HOUR METER, 10-80 VOLTS*** includes mounting bracket; from SN 19375	1
16	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN* includes mounting fasteners	5
17	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
18	12343GT	SCREW,HHC,1/4-20 X 3	1
19	6638GT	WASHER, FLAT, USS, 1/4"Y	3
20	54516GT	RESISTOR,10 OHMS,25W,ADJ***	1
21	54525GT	BRACKET-PANEL-WIRE MOUNTING 99	1
22	147094GT	ASSY, CIRCUIT BREAKER 15A includes mounting fasteners	2
23	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	4
24	6090GT	SCREW, HHC, 1/4-20 X .75	4
25	6356GT	WASHER, LOCK, .25	4
26	77061GT	BOOT,CIRCUIT BREAKER PROTECTOR	2
27	56234GT	O-RING,ORFS,-6	2
28	824879GT	LIGHT,LED IND. RED 12V NH	1
29	45384GT	PLUG,NYLON .50 BLACK DOMED	2

506.1 Ground Controls - View 2



Item	Part No.	Description	Qty.
	56445GT	DIODE,6 AMP 200 PIV,REEL	
1	20776GT	CABLE SQUEEZE CONN	3
2	18665GT	LOCKNUT,ELECTRIC,1" NPT	3
3	54058GT	HARNESS,MANIFOLD,Z45 IC to SN 19715	1
3		HARNESS,F.MANIFOLD,DUAL SPADE from SN 19716	1
4	7057GT	CONN. SQZ,1/2NPT .39-.56 MED. component no longer available'	7
5	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	7
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	216 inches
7	43960GT	WIRE CABLE,16/4 CON.TPE JKT	361 inches
8	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396 inches
9	35934GT	WIRE CABLE,18/19 CON.TPRJKT	804 inches
10	43960GT	WIRE CABLE,16/4 CON.TPE JKT	86 inches
11	43955GT	WIRE CABLE,12/3 CON.TPE JKT	804 inches
12	35934GT	WIRE CABLE,18/19 CON.TPRJKT	733 inches
13		Ref. Engine Harness #2 (consult factory)	
14		CONTROL,BOX ASSY-GROUND,Z45/25 includes index number 15; to SN 16867 ; No longer available	1
14	77155GT	CONTROL,BOX ASSY-GRND Z45 IC includes index number 15; from SN 16868 to SN 20095	1
14	77522GT	CONTROL,BOX ASSY-GRND Z45 IC includes index number 15; from SN 20096	1
15	50572GT	GASKET,GROUND CONTROL BOX	1
16	6888GT	SCREW, HHC, 1/4-20 X 1	1
17	6638GT	WASHER, FLAT, USS, 1/4"Y	3
18	6091GT	NUT,NYLOCK,1/4-20	1
19	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN includes mounting fasteners; Ford models	1
20	54692GT	SPACER,NYLON,.718 X .526 X.219	1

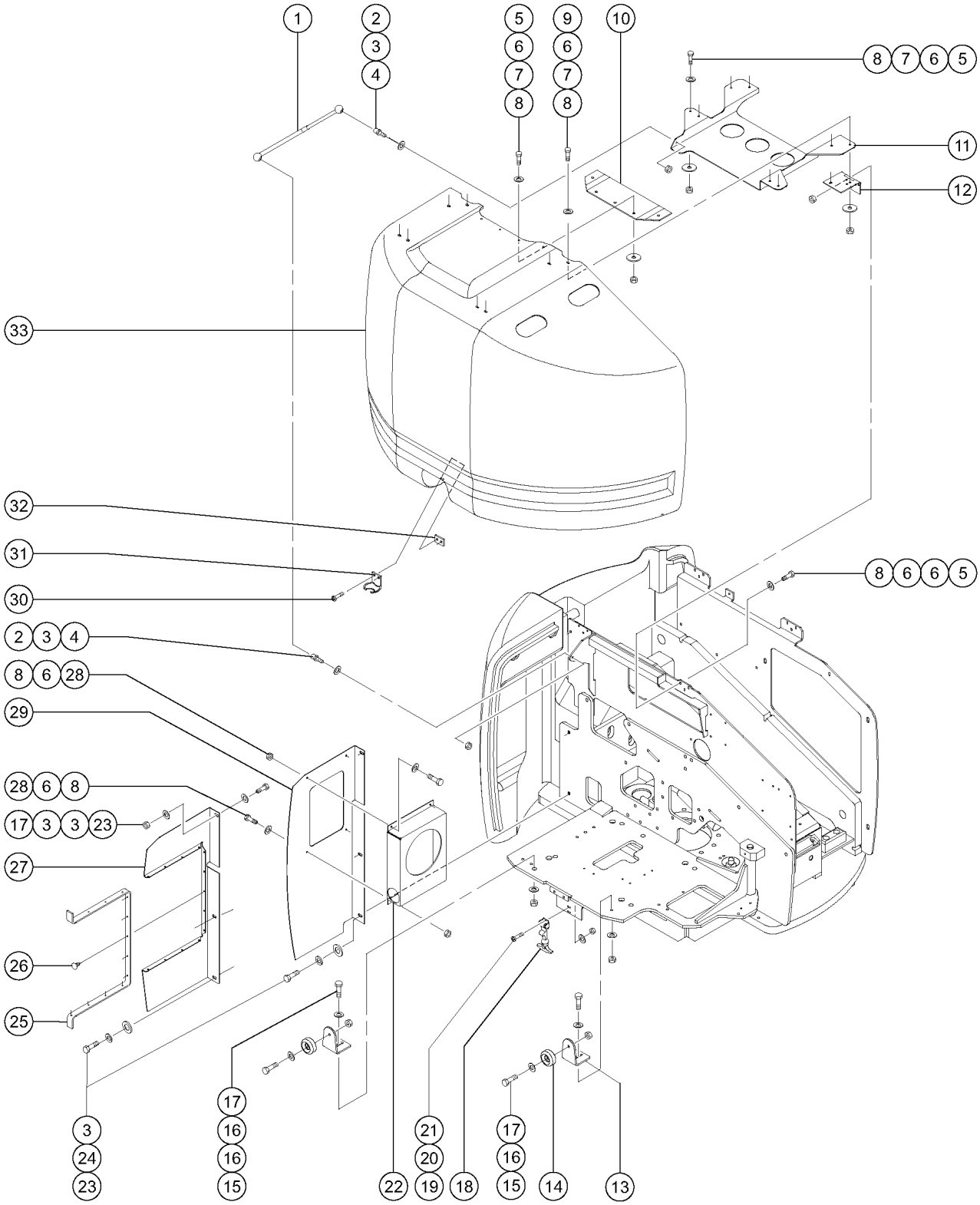
506.1 Ground Controls - View 2



506.1 Ground Controls - View 2

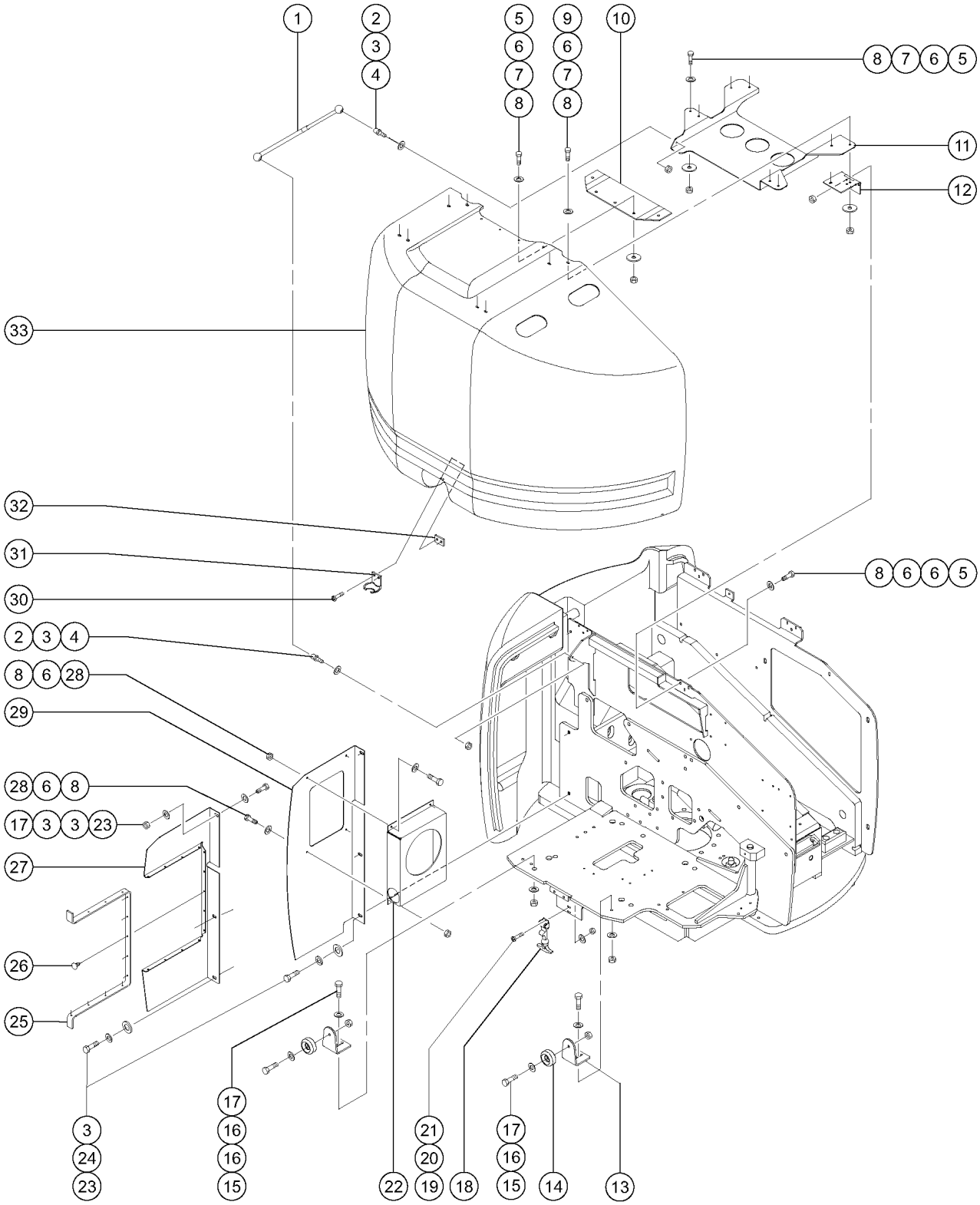
Item	Part No.	Description	Qty.
21	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
22	6090GT	SCREW, HHC, 1/4-20 X .75	2
23	6638GT	WASHER, FLAT, USS, 1/4"Y	2
24	6889GT	NUT,LP NYLOCK,1/4-20	2
25	25837GT	TERMINAL STRIP END PLATE shown; to SN 20095	1
25	216793GT	TERMINAL BLOCK END PLATE from SN 20096	1
26	25836GT	TERMINAL BLOCK(SINGLE),WAGO*** shown; to SN 20095	45
26	74911GT	TERMINAL BLOCK, WIELAND*** from SN 20096	45
27	56057GT	MODULE,IGNITION/START,12/24V	1
28	54826GT	DIN RAIL,14.75",MODIFIED shown; to SN 20095	1
29		Ref. Engine/Chassis Harness #1 (consult factory)	

507.1 Turntable Covers - Engine Side



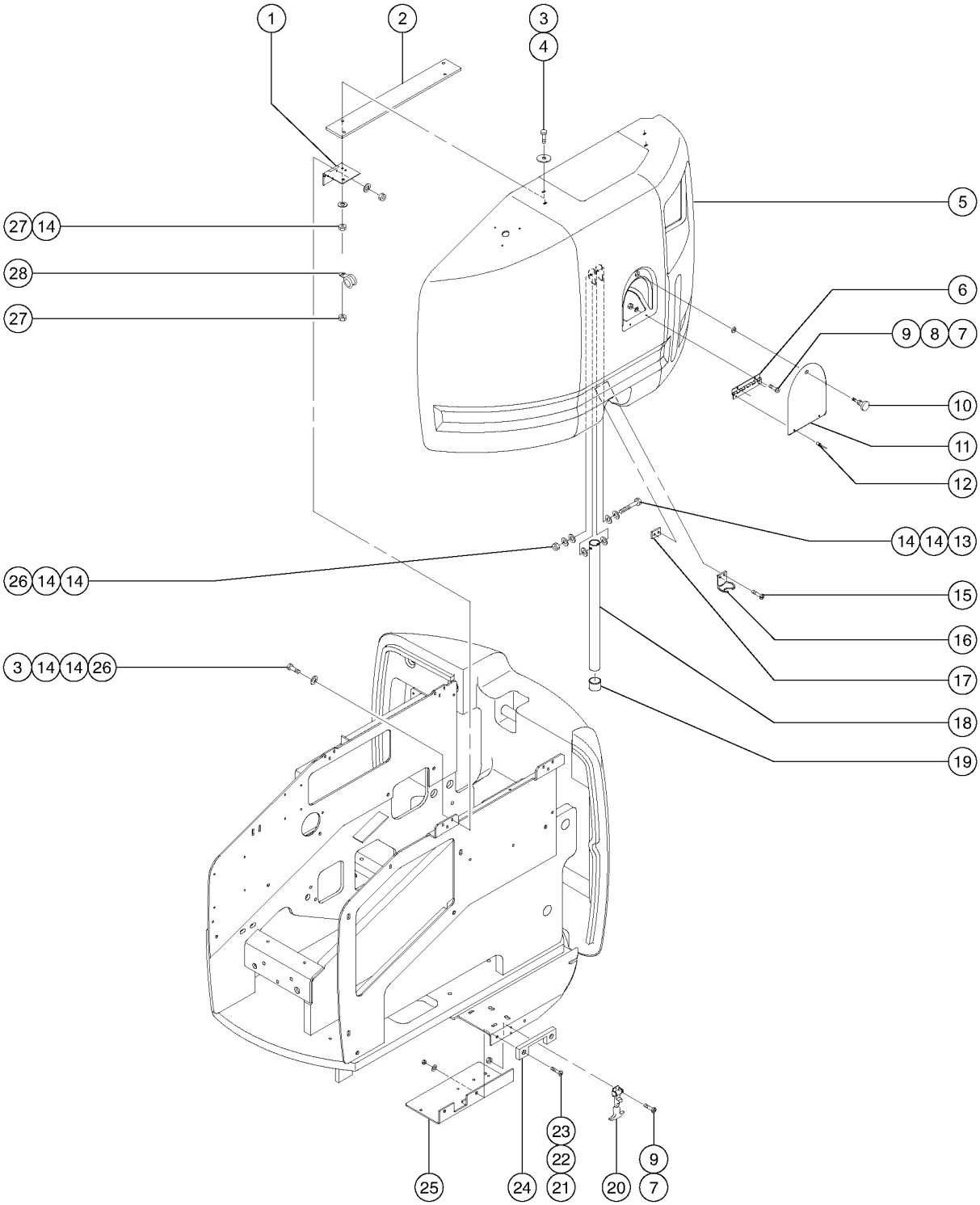
Item	Part No.	Description	Qty.
1	28301GT	GAS STRUT,250 LBS FORCE***	1
1-	27377GT	RETAINER,GAS SPRING***	1
1-	72256GT	GAS STRUT,CONNECTOR (28301)	
2	33555GT	BALL STUD**	2
3	5397GT	WASHER, FLAT, USS, 5/16-18	7
4	6782GT	NUT, NYLOCK, 5/16-18	2
5	6888GT	SCREW, HHC, 1/4-20 X 1	9
6	6638GT	WASHER, FLAT, USS, 1/4"Y Deutz and Perkins models	25
6	6638GT	WASHER, FLAT, USS, 1/4"Y Ford models	21
7	49693GT	WASHER,FENDER,.25X1.50X.074	13
8	6091GT	NUT,NYLOCK,1/4-20	21
9	8915GT	SCREW, HHC, 1/4-20 X 1.25	4
10	54146GT	FLAP,RUBBER,ENGINE COVER HOOD	1
11	50789PGT	FORMING,ENGINE COVER,PTD	1
12	75073GT	HINGE,.375X.120THK.,SLOTTED	2
13	54363GT	BRACKET,RUBBER BUMPER,ENGCOVER	2
14	50974GT	BUMPER,RUBBER,COVERS	2
15	8516GT	SCREW, HCC, 3/8-16 X 1.50	4
16	6097GT	WASHER, FLAT, USS, 3/8", Y	6
17	4828GT	NUT, NYLOCK, 3/8-16	7
18	45363GT	LATCH,FLEXIBLE	1
19	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	2
20	6146GT	WASHER,FLAT,MS,#10,Y	2
21	6178GT	NUT, NYLOCK, 10-32	2
22	50580-SGT	DUCT,AIR INTAKE,DEUTZ,Z45/25** Deutz models	1
23	6175GT	SCREW,HHC,3/8-16 X 1	3
24	6021GT	WASHER, LOCK, .375	2
25	54167GT	SEAL,RUBBER,BAFFLE,FORD Ford models; to SN 17109	1

507.1 Turntable Covers - Engine Side



Item	Part No.	Description	Qty.
25	54616GT	SEAL,RUBBER,BAFFLE,PERKIN/FORD Ford and Perkins models; from SN 17110	1
26	54723GT	PLUG,1/4 X .400",BLK Ford and Perkins models	13
27	54166GT	PLATE,AIR INTAKE ADAPTER,FRD** Ford models; to SN 17109	1
27	54608PGT	PLATE,AIR BAFFLE,FORD,PAINTED Ford models; from SN 17110	
28	6090GT	SCREW, HHC, 1/4-20 X .75	4
29	50581PGT	PLATE,AIR INTAKE ADAPTER,PAINT Deutz models	1
30	77048GT	SCREW,PHM,10-32X3/4,ST TYPE F	2
31	75076GT	KEEPER,LATCH (45363)	1
32	54974GT	PLATE,COVER LATCH BACKING	1
33	52773GT	COVER ASSY.ENGINE SIDE,Z45/25	1

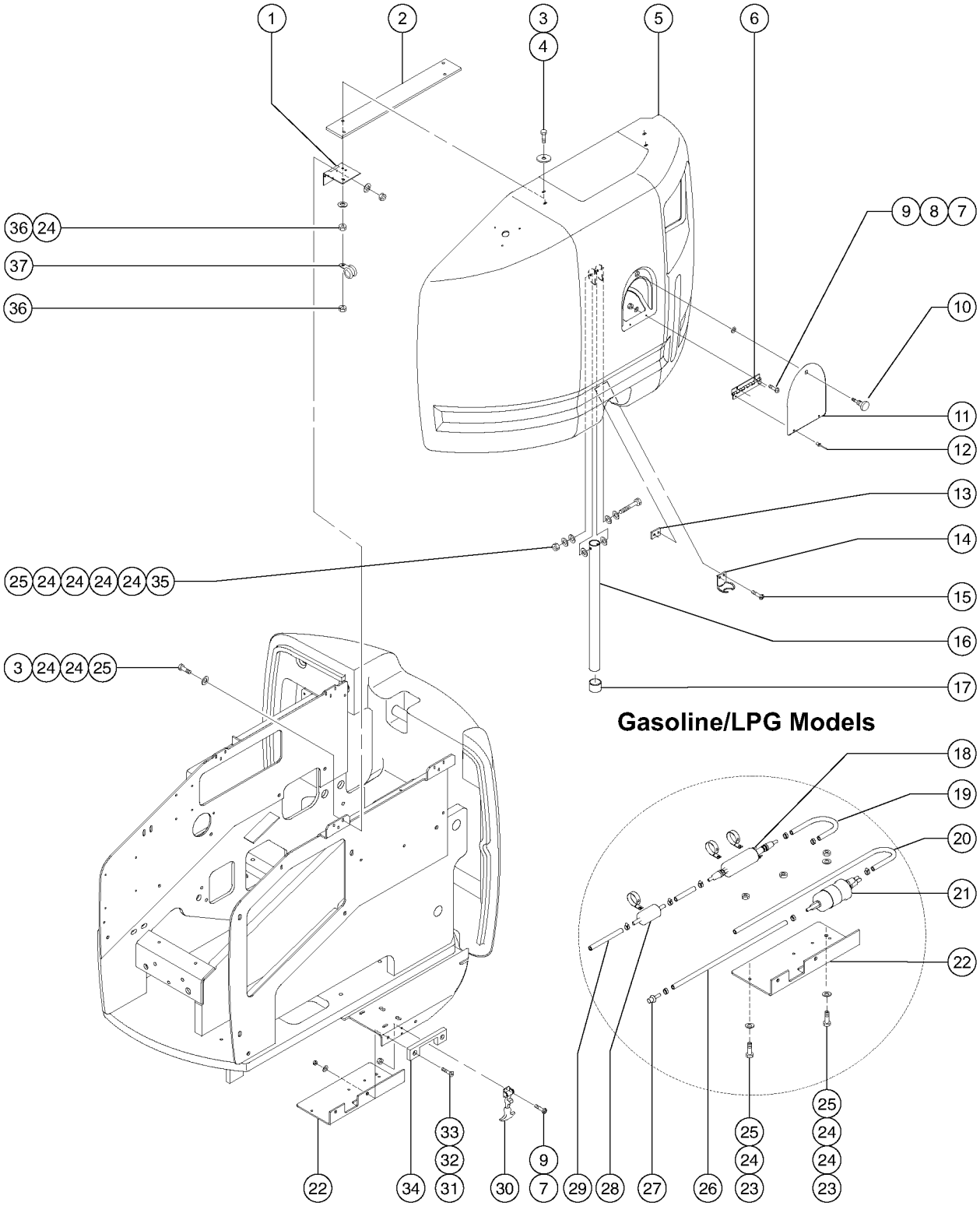
508.1 Turntable Covers - Tank Side (to SN 19693)



508.1 Turntable Covers - Tank Side (to SN 19693)

Item	Part No.	Description	Qty.
1	75073GT	HINGE,.375X.120THK.,SLOTTED to SN 19693	2
2	50965PGT	PLATE,COVER SPACER,PAINTED to SN 19693	1
3	6145GT	SCREW, HHC, 1/4-20 X 1.5 to SN 19693	10
4	12906GT	WASHER,FENDER,.25 X 1.25 X.062 to SN 19693	4
5	52774-SGT	COVER ASSY.HYD.TANKSIDE,Z45/25 to SN 19693	1
6	50971GT	HINGE,FUEL DOOR to SN 19693	1
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75 to SN 19693	2
8	6146GT	WASHER,FLAT,MS,#10,Y to SN 19693	4
9	6178GT	NUT, NYLOCK, 10-32 to SN 19693	8
10	54233GT	LATCH,FUEL DOOR to SN 19693	1
11	54230PGT	FUEL DOOR,IC TANK SIDE,PNTD*** to SN 19693	1
12	54486GT	RIVET,ALUM,ALUM,3/16BUTTONHEAD to SN 19693	2
13	6884GT	SCREW,HHC,1/4-20 X 2.5 to SN 19693	1
14	6638GT	WASHER, FLAT, USS, 1/4"Y to SN 19693	18
15	77048GT	SCREW,PHM,10-32X3/4,ST TYPE F to SN 19693	2
16	75076GT	KEEPER,LATCH (45363) to SN 19693	1
17	54974GT	PLATE,COVER LATCH BACKING to SN 19693	1
18	77524GT	TUBE,PROP ROD,18.63",W/CAP includes index number 19; to SN 19693	1
19	55753GT	BUMPER, PLASTIC, 1.25 O.D. to SN 19693	1
20	45363GT	LATCH,FLEXIBLE to SN 19693	1
21	17712GT	SCREW,FHS,3/8-16 X 1.75 to SN 19693	2
22	5397GT	WASHER, FLAT, USS, 5/16-18 to SN 19693	2
23	4828GT	NUT, NYLOCK, 3/8-16 to SN 19693	2
24	54073GT	WEAR PAD,TANK SIDE BUMPER to SN 19693	1
25	77328PGT	PLATE,FUEL PUMP,FORD/WALBRO Ford models; to SN 19693	1
26	6091GT	NUT,NYLOCK,1/4-20 to SN 19693	11
27	6889GT	NUT,LP NYLOCK,1/4-20 to SN 19693	2
28	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH to SN 19693	2

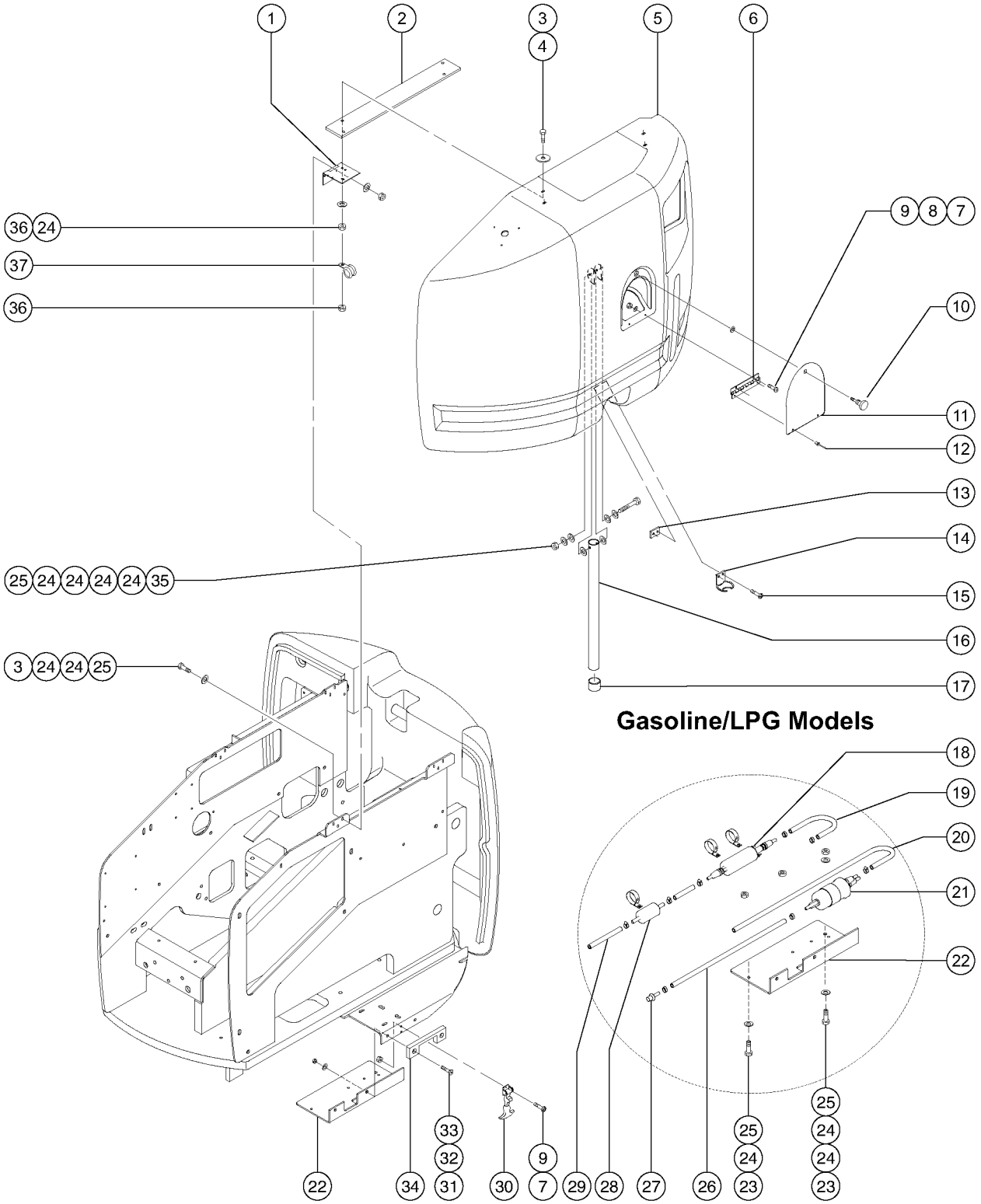
509.1 Turntable Covers - Tank Side and Fuel Filter (from SN 19694)



509.1 Turntable Covers - Tank Side and Fuel Filter (from SN 19694)

Item	Part No.	Description	Qty.
1	75073GT	HINGE,.375X.120THK.,SLOTTED from SN 19694	2
2	50965PGT	PLATE,COVER SPACER,PAINTED from SN 19694	1
3	6145GT	SCREW, HHC, 1/4-20 X 1.5 from SN 19694	10
4	49693GT	WASHER,FENDER,.25X1.50X.074 from SN 19694	4
5	52774-SGT	COVER ASSY.HYD.TANKSIDE,Z45/25 from SN 19694	1
5-	50633GT	COVER,TURNTABLE,RH,TANK SIDE Z45 replaced by 128029, has cut out to include items 6-12	
5-	128029GT	COVER,TURNTABLE,RH,TANK SIDE replaces 50633, does not have cut out to include items 6-12	
6	50971GT	HINGE,FUEL DOOR from SN 19694	1
7	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75 from SN 19694	2
8	6146GT	WASHER,FLAT,MS,#10,Y from SN 19694	4
9	6178GT	NUT, NYLOCK, 10-32 from SN 19694	8
10	54233GT	LATCH,FUEL DOOR from SN 19694	1
11	54230PGT	FUEL DOOR,IC TANK SIDE,PNTD*** from SN 19694	1
12	54486GT	RIVET,ALUM,ALUM,3/16BUTTONHEAD from SN 19694	2
13	54974GT	PLATE,COVER LATCH BACKING from SN 19694	1
14	75076GT	KEEPER,LATCH (45363) from SN 19694	1
15	77048GT	SCREW,PHM,10-32X3/4,ST TYPE F from SN 19694	2
16	77524GT	TUBE,PROP ROD,18.63",W/CAP includes index number 17; from SN 19694	1
17	55753GT	BUMPER, PLASTIC, 1.25 O.D. from SN 19694	1
18	77219GT	PUMP, FUEL, LRG425, WALBRO does not include hose connectors or clamps; from SN 19694	1
18	65892GT	CONN. ASSY,7.9 TUBE X6.35 HOSE from SN 19694	1
18	65887GT	CLAMP,HOSE,1 EAR,1/2 from SN 19694	1
19	71909GT	HOSE,FUEL,5/16 HIGH PRESSURE** from SN 19694	11
20	71909GT	HOSE,FUEL,5/16 HIGH PRESSURE** from SN 19694	100
21	58967GT	FUEL PRESSURE REG,425EFI*** from SN 19694	1
21	77356GT	CONN. ASSY,9.5 TUBE X6.35 HOSE from SN 19694	1
21	65887GT	CLAMP,HOSE,1 EAR,1/2 from SN 19694	1
21	21465GT	CLAMP,HOSE, .25" TO .63" X .3125" from SN 19694	1

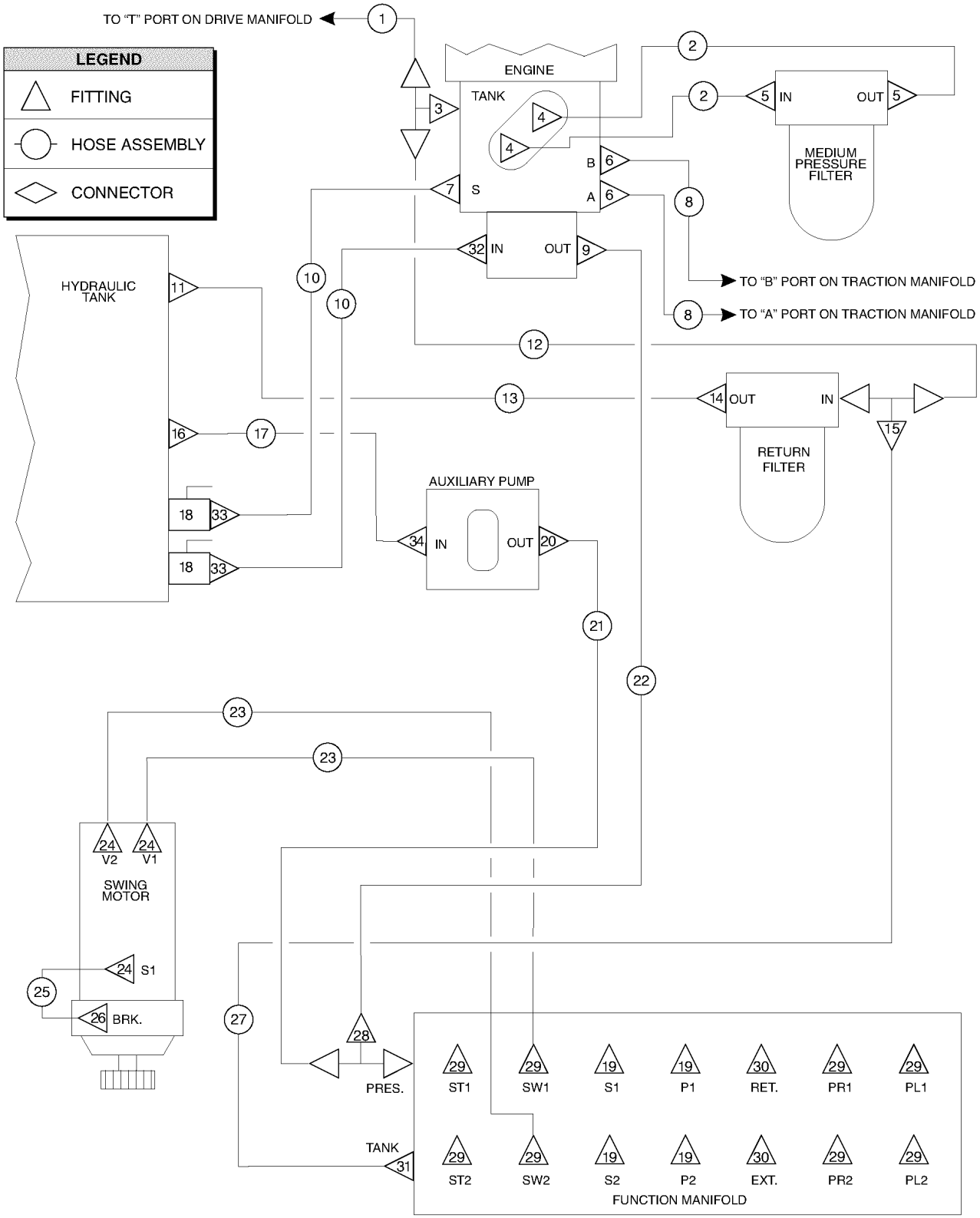
509.1 Turntable Covers - Tank Side and Fuel Filter (from SN 19694)



509.1 Turntable Covers - Tank Side and Fuel Filter (from SN 19694)

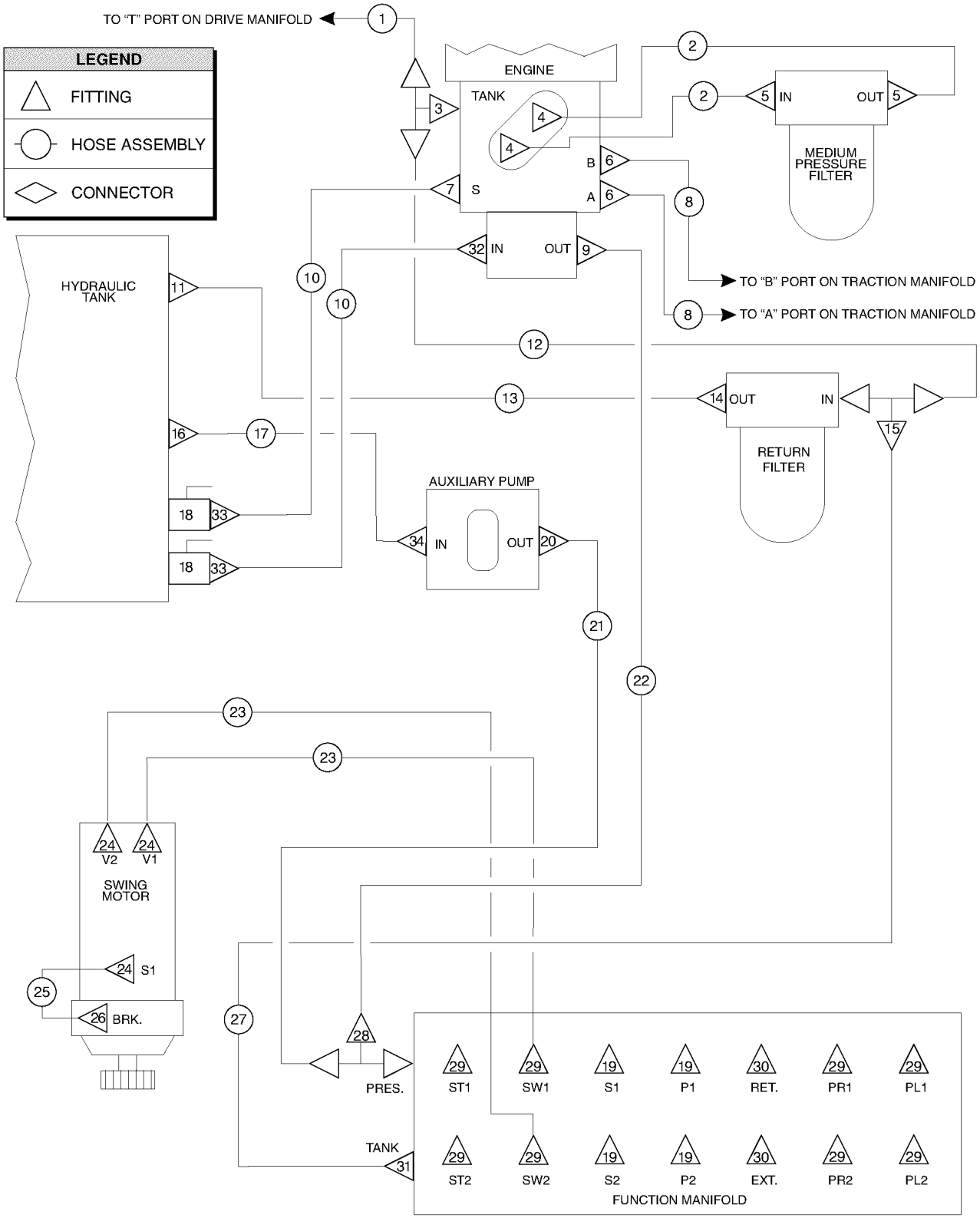
Item	Part No.	Description	Qty.
22	77328PGT	PLATE,FUEL PUMP,FORD/WALBRO from SN 19694	1
23	6090GT	SCREW, HHC, 1/4-20 X .75 from SN 19694	4
24	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 19694	23
25	6091GT	NUT,NYLOCK,1/4-20 from SN 19694	15
26	27089GT	HOSE,5/16 FUEL,SAE 30R7 from SN 19694	53
27		CONN. BODY, 6.35 X 14.1, FORD from SN 19694 (no longer available)	1
28	52179GT	FILTER, FUEL LRG 425/423 EFI from SN 19694	1
28	21465GT	CLAMP,HOSE, .25" TO .63" X .3125" from SN 19694	1
28	27089GT	HOSE,5/16 FUEL,SAE 30R7 from SN 19694	3
29	27089GT	HOSE,5/16 FUEL,SAE 30R7 from SN 19694	22
30	45363GT	LATCH,FLEXIBLE from SN 19694	1
31	17712GT	SCREW,FHS,3/8-16 X 1.75 from SN 19694	2
32	5397GT	WASHER, FLAT, USS, 5/16-18 from SN 19694	2
33	4828GT	NUT, NYLOCK, 3/8-16 from SN 19694	2
34	54073GT	WEAR PAD,TANK SIDE BUMPER from SN 19694	1
35	6884GT	SCREW,HHC,1/4-20 X 2.5 from SN 19694	1
36	6889GT	NUT,LP NYLOCK,1/4-20 from SN 19694	2
37	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH from SN 19694	2

510.1 Hydraulic Hoses and Fittings - Turntable Components (to SN 20757)



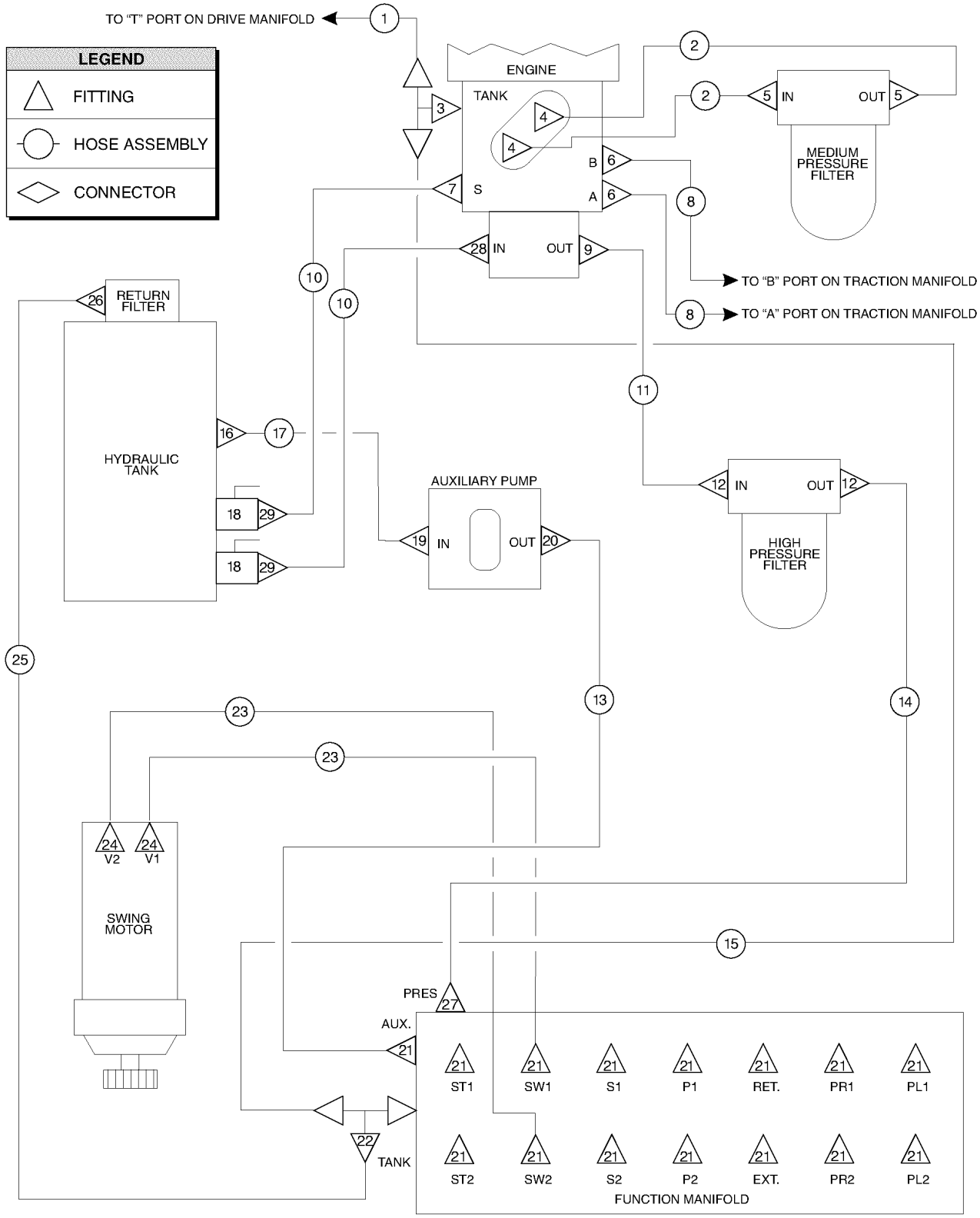
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49149-10826GT	HOSE ASSY,3/4,45 FEM,STR FEM Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 45°, ORFS and Hose, 3/4 inch	1
2	49141-2463GT	HOSE ASSY,1/2,45 FEM,STR FEM** Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 45°, ORFS and Hose, 1/2 inch	2
3	48962GT	TEE,BRANCH,520429-12	1
4	48946GT	CONN,520120-8-10	2
5	48947GT	ELBOW,90D,520220-8-12 to SN 18781	2
5	48932GT	FITTING,ELBOW,90D,520220-8*** from SN 18782	2
6	48978GT	ELBOW,45D,520320-12-16	2
7	48985GT	ELBOW,45D,520320-16	1
8	49156-10856GT	HOSE ASSY,3/4,90 FEM,STR FEM Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 90°, Long, ORFS and Hose, 3/4 inch	2
9	48899GT	VALVE,CHK,#10PORT-#10MALEORFS	1
10	54089-4761-SGT	HOSE ASSY,90F,STR MALE** Hose End - Male, Swivel, Hose End - Female, Swivel, 90°, ORFS and Hose, 42 inches long; to SN 10162; Consult Factory prior to ordering	2
10	49159-4618GT	HOSE ASSEMBLY, 1" Hose End - Female, Swivel, NPTF, Hose End - Female, Swivel, 90°, ORFS and Hose, 42 inches long; from SN 10163; Consult Factory prior to ordering	2
11	48965GT	ELBOW,90D,520202-12	1
12	49150-3930GT	HOSE ASSY,3/4,90 FEM,STR FEM Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 90°, ORFS and Hose, 3/4 inch	1
13	49151-7548GT	HOSE ASSY,3/4,STR FEM,STR FEM Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, ORFS and Hose, 3/4 inch	1
14	48959GT	FITTING,ELBOW,90D,520220-12	1
15	48961GT	TEE,RUN,520428-12	1
16	48922GT	CONN,520102-6-6	1
17	49126-2733GT	HOSE ASSY,3/8,45 FEM,STR FEM Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 45°, ORFS and Hose, 3/8 inch	1
18	48994GT	VALVE,BALL,16 MPT-16 FPT***	2
19	48916GT	CONN, 520120-6 to SN 19714	4
19	48905GT	CONNECTOR, 520120-4 from SN 19715	4
20	48907GT	ELBOW,45D,520320-4	1
21	49164-5743GT	HOSE ASSY 1/4,90 DEG FEM,STR F Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 90°, ORFS and Hose, 1/4 inch	1

510.1 Hydraulic Hoses and Fittings - Turntable Components (to SN 20757)



Item	Part No.	Description	Qty.
22	54086-7068GT	HOSE ASSY,ENG/F.MANIFOLD Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, 45°, ORFS and Hose, 1/2 inch	1
23	49119-5078GT	HOSE ASSY,1/4,STR FEM,STR FEM* Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, ORFS and Hose, 1/4 inch	2
24	48911GT	ELBOW,90D,520220-4-6*** to SN 18366	3
24	48904GT	ELBOW, 90D, 520220-4 from SN 18367	3
25	54319-1404GT	HOSE ASSY,SWNG MOTOR/BRAKE Hose End - Female, Swivel, 90°, ORFS, Hose End - Female, Swivel, 90°, ORFS and Hose, 1/4 inch; to SN 18366	1
26	39877GT	CONNECTOR,070120-4-4	1
27	54085-8218GT	HOSE ASSY,R.FILTER/F.MANIFOL** Hose End - Female, Swivel, ORFS, Hose End - Female, Swivel, ORFS and Hose, 1/2 inch	1
28	48935GT	TEE,RUN, 520428-8	1
29	48912GT	CONN,520120-4-6*** to SN 19714	8
29	48905GT	CONNECTOR, 520120-4 from SN 19715	8
30	48930GT	CONN,520120-6-8 to SN 19714	2
30	48905GT	CONNECTOR, 520120-4 from SN 19715	2
31	48933GT	CONN,520120-8***	1
32	48992GT	ELBOW,45D,520320-16-12	1
33	48986GT	CONN,520102-16	2
34	48916GT	CONN, 520120-6	1

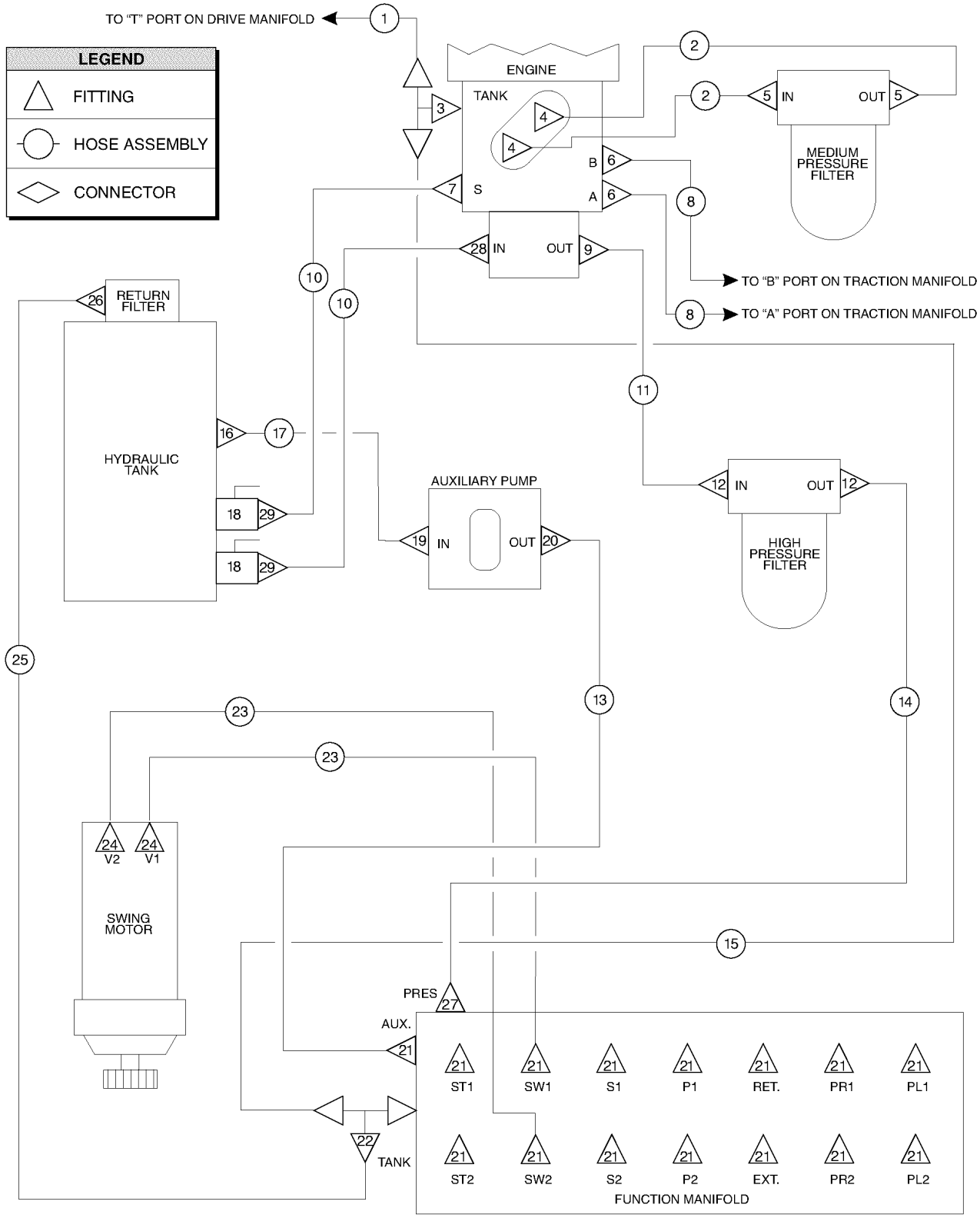
511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)



511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)

Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49149-10826GT	HOSE ASSY,3/4,45 FEM,STR FEM Hose End - Female, Swivel, ORFS (Parker No. 1JC43-12), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-12) and Hose, 3/4 inch (Parker No. 482TC-12)	1
2	49141-2463GT	HOSE ASSY,1/2,45 FEM,STR FEM** Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-8) and Hose, 1/2 inch (Parker No. 451TC-8)	2
3	48962GT	TEE,BRANCH,520429-12	1
4	48946GT	CONN,520120-8-10	2
5	48932GT	FITTING,ELBOW,90D,520220-8***	2
6	48978GT	ELBOW,45D,520320-12-16	2
7	48985GT	ELBOW,45D,520320-16	1
8	49156-10856GT	HOSE ASSY,3/4,90 FEM,STR FEM Hose End - Female, Swivel, ORFS (Parker No. 1JC71-12), Hose End - Female, Swivel, 90°, Long, ORFS (Parker No. 1J971-12) and Hose, 3/4 inch (Parker No. 772-12)	2
9	48899GT	VALVE,CHK,#10PORT-#10MALEORFS	1
10	49159-4618GT	HOSE ASSEMBLY, 1" Hose End - Male, Swivel, NPTF (Parker No. JC43-16), Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-16) and Hose, 1 inch (Parker No. 881-16)	2
11	49108-2329GT	HOSE ASSY,1/2,90 FEM,STR FEM** Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J943-10-8) and Hose, 1/2 inch (Parker No. 381-8)	1
12	48948GT	CONN,520120-8-12	2
13	49119-5178GT	HOSE ASSY,1/4,STR FEM,STR FEM Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch (Parker No. 481TC-4)	1
14	49109-7729GT	HOSE ASSY,1/2,90 FEM,STR FEM Hose End - Female, Swivel, 90°, ORFS (Parker No. 1J943-8-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-8) and Hose, 1/2 inch (Parker No. 381-8)	1
15	49151-8248GT	HOSE ASSY,3/4,STR FEM,STR FEM Hose End - Female, Swivel, ORFS (Parker No. 1JC43-12), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-12) and Hose, 3/4 inch (Parker No. 482TC-12)	1
16	48922GT	CONN,520102-6-6	1
17	49126-2733GT	HOSE ASSY,3/8,45 FEM,STR FEM Hose End - Female, Swivel, ORFS (Parker No. 1JC43-6), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-6) and Hose, 3/8 inch (Parker No. 451TC-6)	1
18	48994GT	VALVE,BALL,16 MPT-16 FPT***	2
19	48916GT	CONN, 520120-6	1
20	48907GT	ELBOW,45D,520320-4	1
21	48905GT	CONNECTOR, 520120-4	15
22	48961GT	TEE,RUN,520428-12	1
23	49119-5078GT	HOSE ASSY,1/4,STR FEM,STR FEM* Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4), Hose End - Female, Swivel, ORFS (Parker No. 1JC43-4) and Hose, 1/4 inch (Parker No. 481TC-4)	2
24	48904GT	ELBOW, 90D, 520220-4	2

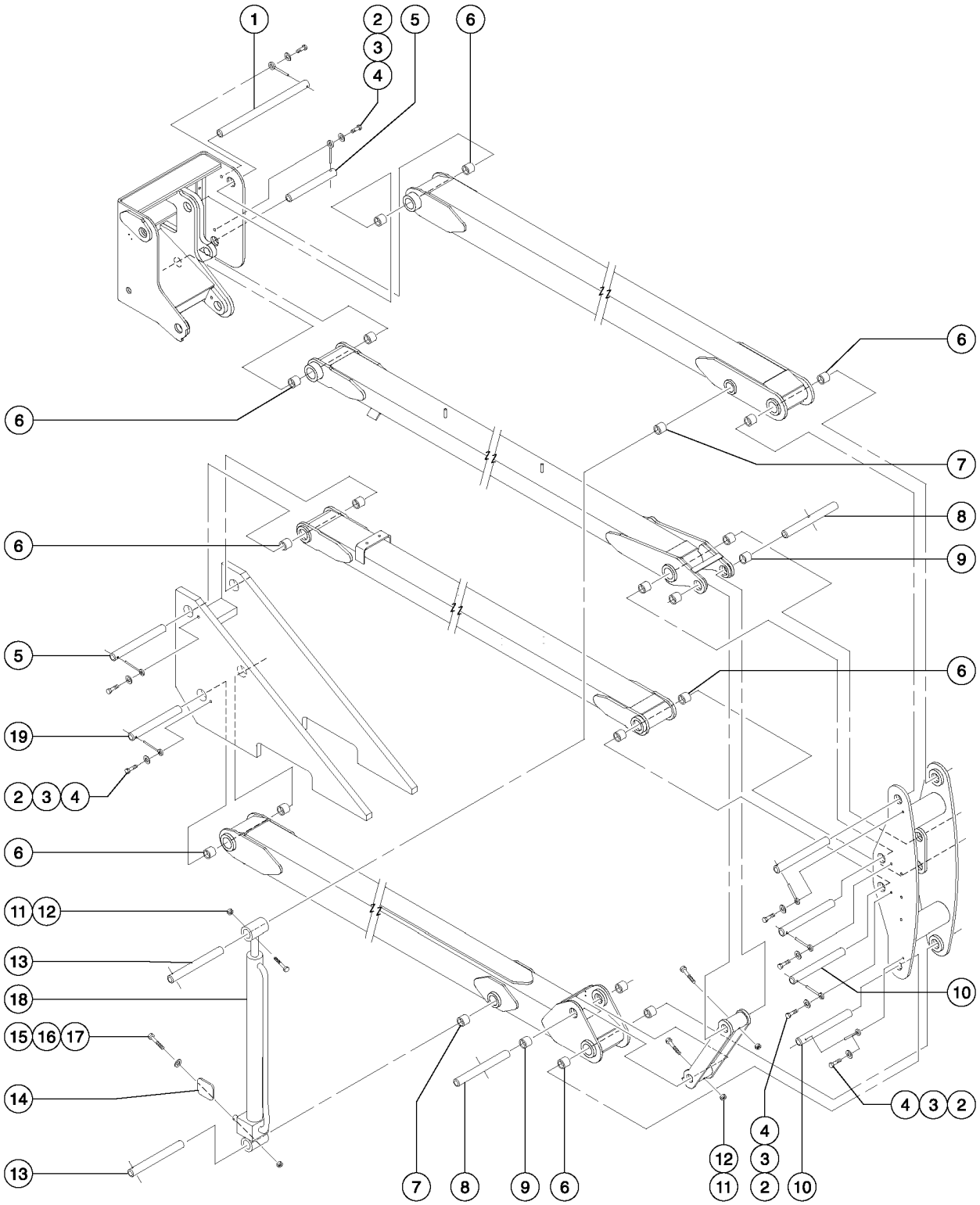
511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)



511.1 Hydraulic Hoses and Fittings - Turntable Components (from SN 20758)

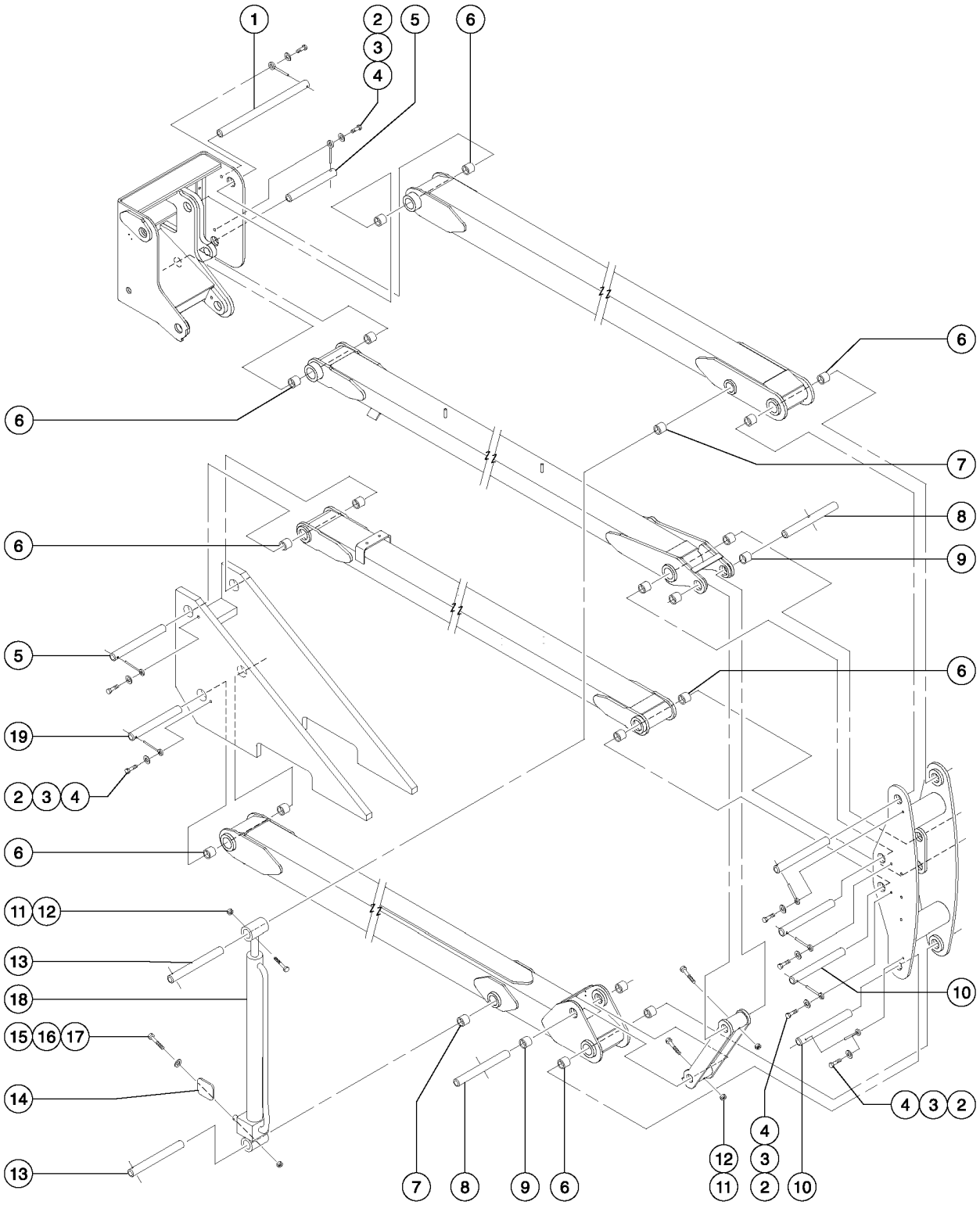
Item	*Part No.*	*Description*	*Qty.*
25	49149-1726GT	HOSE ASSY,3/4,45 FEM,STR FEM ... Hose End - Female, Swivel, ORFS (Parker No. 1JC43-12), Hose End - Female, Swivel, 45°, ORFS (Parker No. 1J743-12) and Hose, 3/4 inch (Parker No. 482TC-12)	1
26	48977GT	CONN,520120-12-16 ...	1
27	48933GT	CONN,520120-8*** ...	1
28	48922GT	CONN,520102-6-6 ...	1
29	48986GT	CONN,520102-16 ...	2

601.1 Boom Installation - Pins and Bushings, Z-45/25



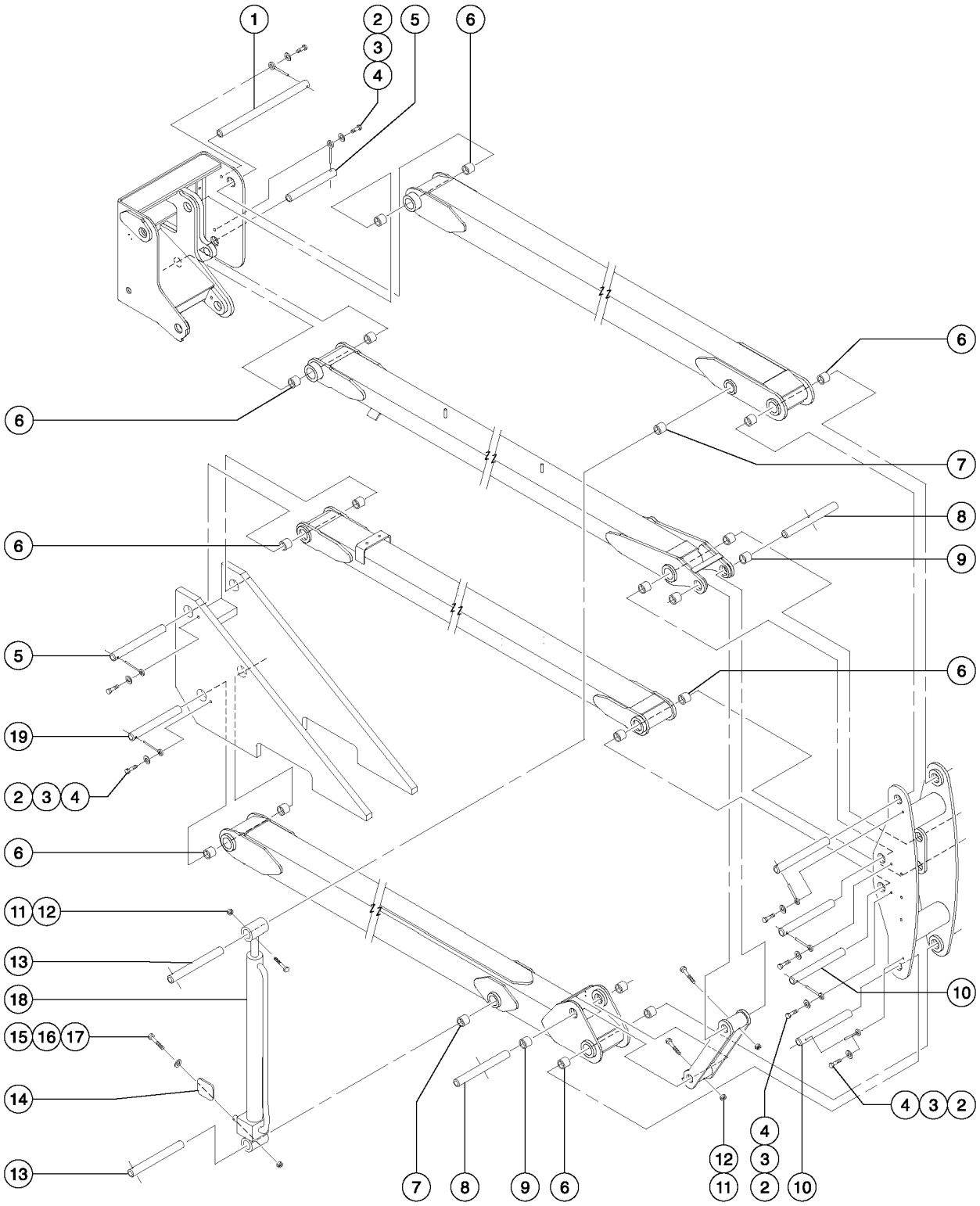
Item	Part No.	Description	Qty.
1	54331GT	PIN,1.75DIAX23.57LG,CHAMFER***	1
2	8177GT	SCREW,HHC,1/2-13 X 1.5	8
3	6033GT	WASHER,LOCK,0.5"	8
4	1256267GT	ROD END,.5 X 3.75,ZAG	8
5	54738GT	PIN,1.75DIAX12.25LG,CHAMFER	2
6	30221GT	BEARING,1.75IDX2.O0ODX1.50LG	16
7	45071GT	BEARING,1.5IDX1.75ODX1.5L	4
8	107727GT	PIN,1.50DIAX7.50LG,1HOLE***	2
9	54156GT	BEARING,FL,1.5IDX1.75ODX1.10LG	4
10	54302GT	PIN,1.75DIAX11.63LG,CHAMFER	4
11	4828GT	NUT, NYLOCK, 3/8-16	3
12	6326GT	SCREW,HHC,3/8-16 X 3	3
13	50455GT	PIN,1.50DIAX13.88LG,2HOLE	2
14	54726GT	WEAR PAD,SECONDARY CYL,NON/JIB	1
15	6605GT	SCREW,HHC,3/8-16 X 3.5,GR5	1
16	5397GT	WASHER, FLAT, USS, 5/16-18	1
17	7713GT	NUT, LP NYLOCK, 3/8-16	1
18	88203GT	CYLINDER,ELEVATE,Z45/25*** to SN 14178	2
18	52758GT	SEAL KIT,50302 CYLINDER for cylinder 50302	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI for cylinder 50302	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 14179 to SN 16529	2
18	59444GT	SEAL KIT, Z45 ELEV%% for cylinder 59254	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI for cylinder 59254	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 16530 to SN 18771	2
18	59444GT	SEAL KIT, Z45 ELEV%% for cylinder 59166	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI for cylinder 59166	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 18772 to SN 20528	2
18	59444GT	SEAL KIT, Z45 ELEV%% for cylinder 59410	2

601.1 Boom Installation - Pins and Bushings, Z-45/25



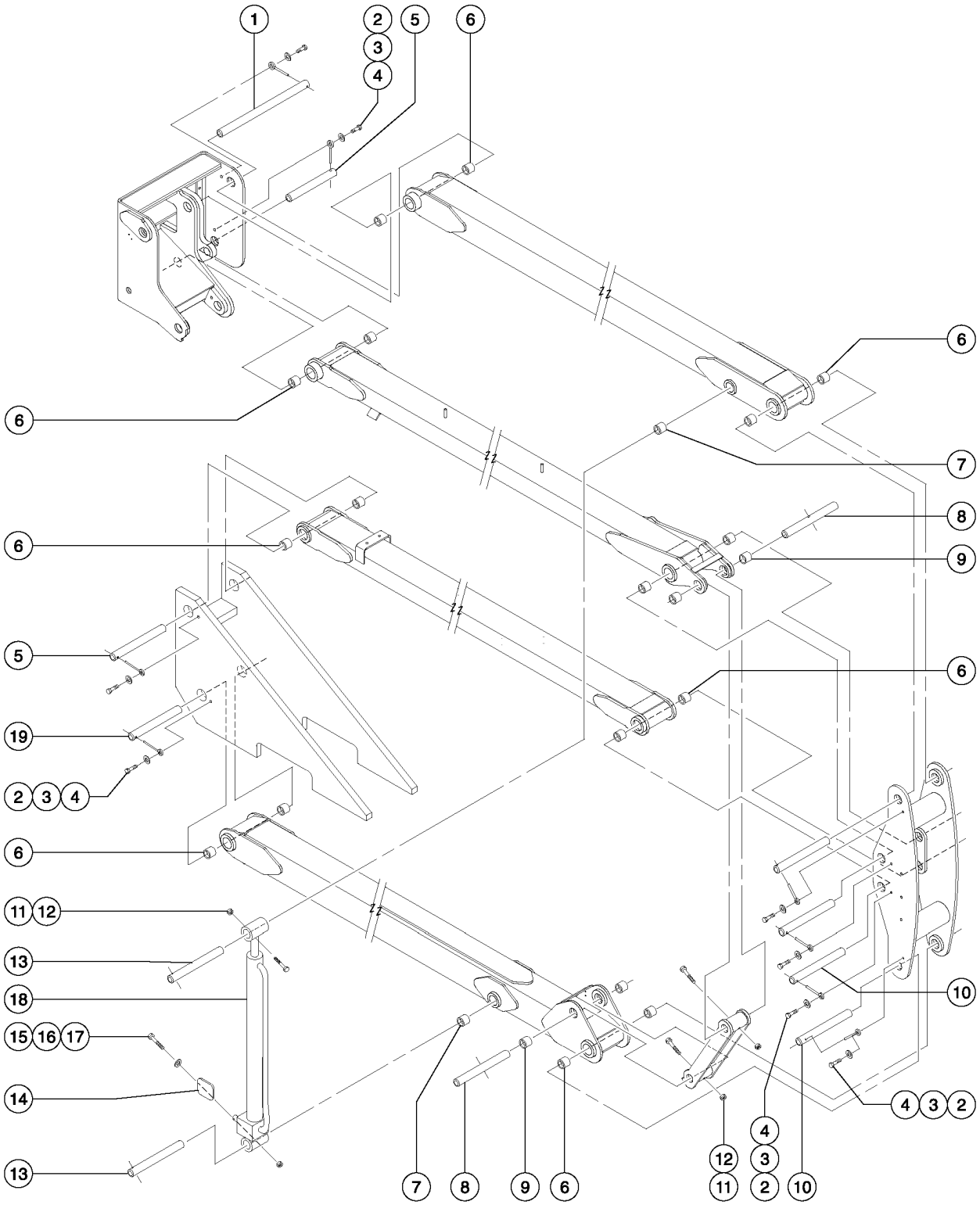
Item	Part No.	Description	Qty.
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI for sylinder 59410	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 20529	2
18	77521GT	SEAL KIT,ELEVATE (88203)	2
18	77303GT	VALVE, CNTRBAL 3500 PSI, ATM VEN	2
19	50460GT	PIN,1.75DIAX12.13LG,CHAMFER	1

601.2 Boom Installation - Pins and Bushings, Z-45/25J



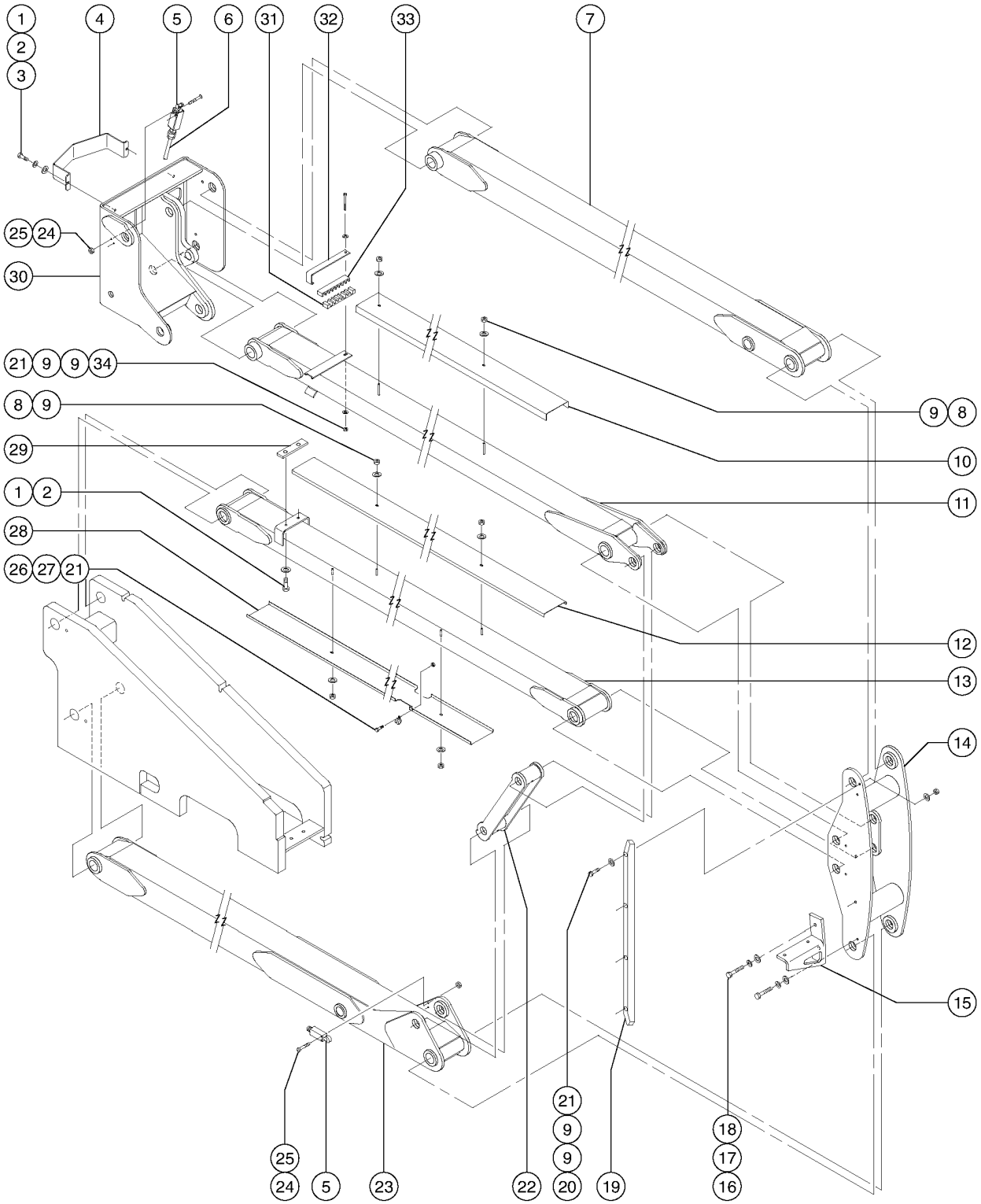
Item	Part No.	Description	Qty.
1	54331GT	PIN,1.75DIAX23.57LG,CHAMFER***	1
2	8177GT	SCREW,HHC,1/2-13 X 1.5	8
3	6033GT	WASHER,LOCK,0.5"	8
4	1256267GT	ROD END,.5 X 3.75,ZAG	8
5	54738GT	PIN,1.75DIAX12.25LG,CHAMFER	2
6	30221GT	BEARING,1.75IDX2.O0ODX1.50LG	16
7	45071GT	BEARING,1.5IDX1.75ODX1.5L	4
8	107727GT	PIN,1.50DIAX7.50LG,1HOLE***	2
9	54156GT	BEARING,FL,1.5IDX1.75ODX1.10LG	4
10	54302GT	PIN,1.75DIAX11.63LG,CHAMFER	4
11	4828GT	NUT, NYLOCK, 3/8-16	3
12	6326GT	SCREW,HHC,3/8-16 X 3	3
13	50455GT	PIN,1.50DIAX13.88LG,2HOLE	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** to SN 14178	2
18	52758GT	SEAL KIT,50302 CYLINDER	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 14179 to SN 16529	2
18	59444GT	SEAL KIT, Z45 ELEV%%	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 16530 to SN 18771	2
18	59444GT	SEAL KIT, Z45 ELEV%%	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 18772 to SN 20528	2
18	59444GT	SEAL KIT, Z45 ELEV%%	2
18	50481GT	VALVE,COUNTERBALANCE,3500 PSI	2
18	88203GT	CYLINDER,ELEVATE,Z45/25*** from SN 20529	2
18	77521GT	SEAL KIT,ELEVATE (88203)	2
18	77303GT	VALVE, CNTRBAL 3500 PSI, ATM VEN	2

601.2 Boom Installation - Pins and Bushings, Z-45/25J



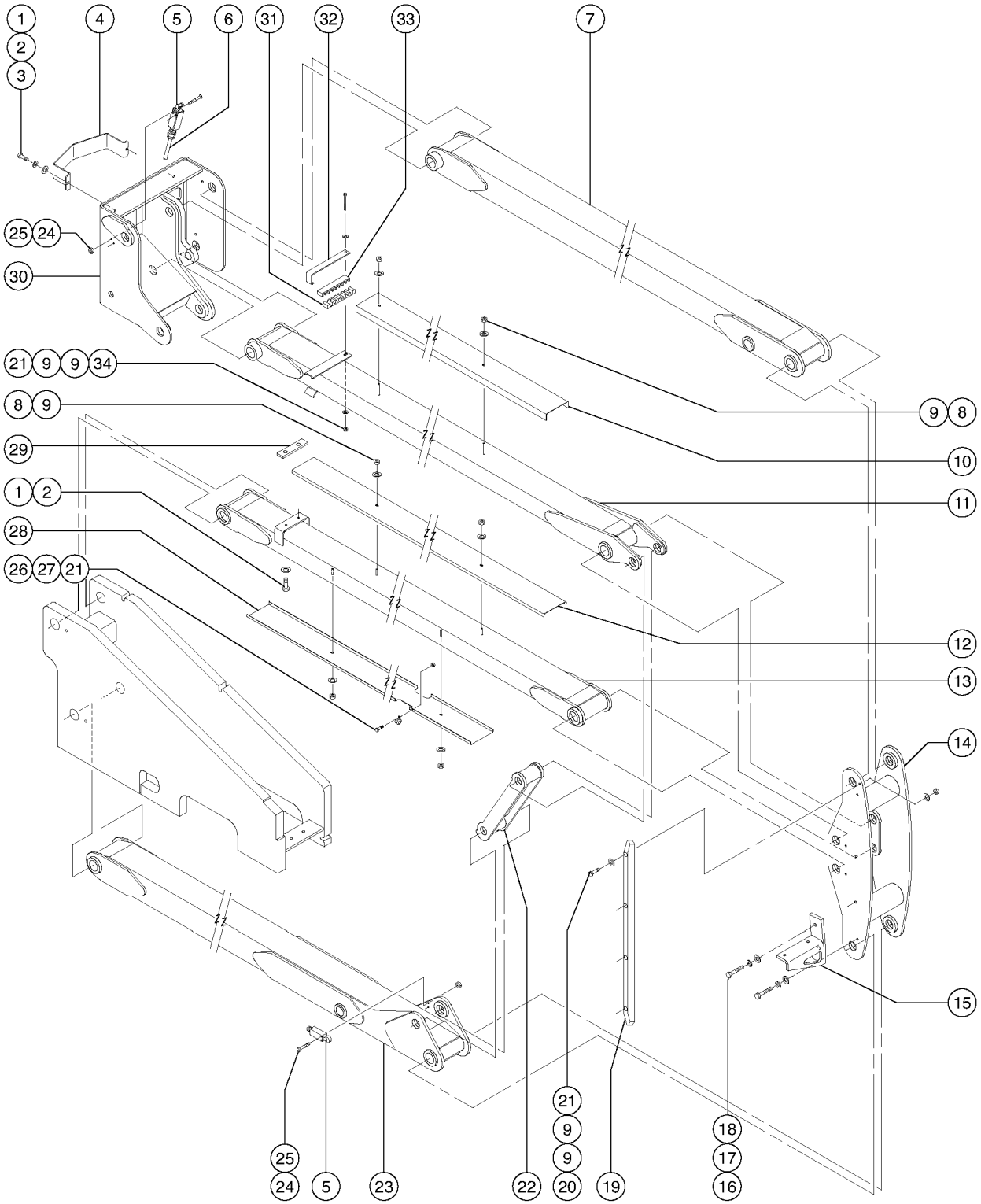
Item	*Part No.*	*Description*	*Qty.*
19	50460GT	PIN,1.75DIAX12.13LG,CHAMFER	1

602.1 Boom Installation - Linkage, Z-45/25



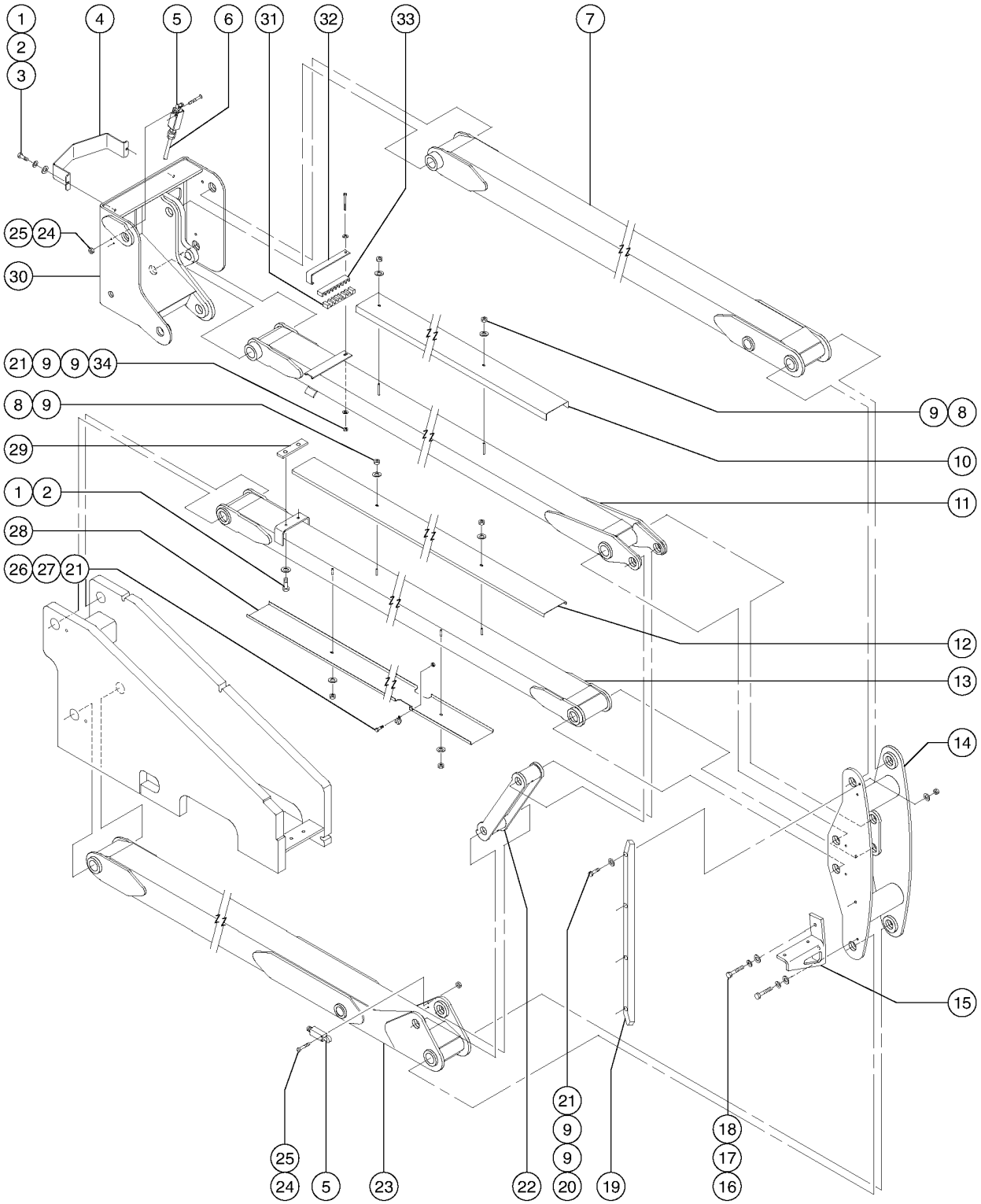
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	4
2	6021GT	WASHER, LOCK, .375	4
3	6097GT	WASHER, FLAT, USS, 3/8", Y	2
4	60074PGT	COVER BRACE,UPPER PIVOT,REAR,P	1
5	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	2
5-	19491GT	CONTACTOR,LIMIT SWITCH	
5-	97128GT	ROLLER ARM,LIMIT SWITCH***	
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396
7	52729GT	UPPER SECONDARY ARM ASSY-Z45	1
8	6889GT	NUT,LP NYLOCK,1/4-20	6
9	6638GT	WASHER, FLAT, USS, 1/4"Y	16
10	88370GT	HOSE COVER,UPPER ARM	1
11	52740GT	UPPER LEVEL ARM ASSY,SERV	1
12	50517-SGT	HOSE COVER,LOWER LEVEL,TOP,PAI	1
13	52741GT	LOWER LEVEL ARM ASSY	1
14	52738GT	MIDPIVOT ASSY Z45IC	1
16	10587GT	SCREW,HHC,1/2-13 X.75	2
19	54168GT	WEAR PAD,MID PIVOT,PERIMETER	1
20	4266GT	SCREW,HHC,1/4-20 X 2	4
21	6091GT	NUT,NYLOCK,1/4-20	6
22	50479-SGT	CONNECTING LINK, Z45/25	1
23	52742-SGT	LOWER SECONDARY ARM ASSY includes bearings	1
24	54239GT	SCREW,PHILLIPS,PHM,10-32 X 2.0	4
25	6178GT	NUT, NYLOCK, 10-32	4
26	7339GT	SCREW,HHC,1/4-20 X .5	1
27	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	2
28	50548PGT	HOSE COVER,LOWER LEVEL,BOT,PAI	1
29	49772GT	WEAR PAD,6 X 1.5 X.50,W/INSERT	1

602.1 Boom Installation - Linkage, Z-45/25



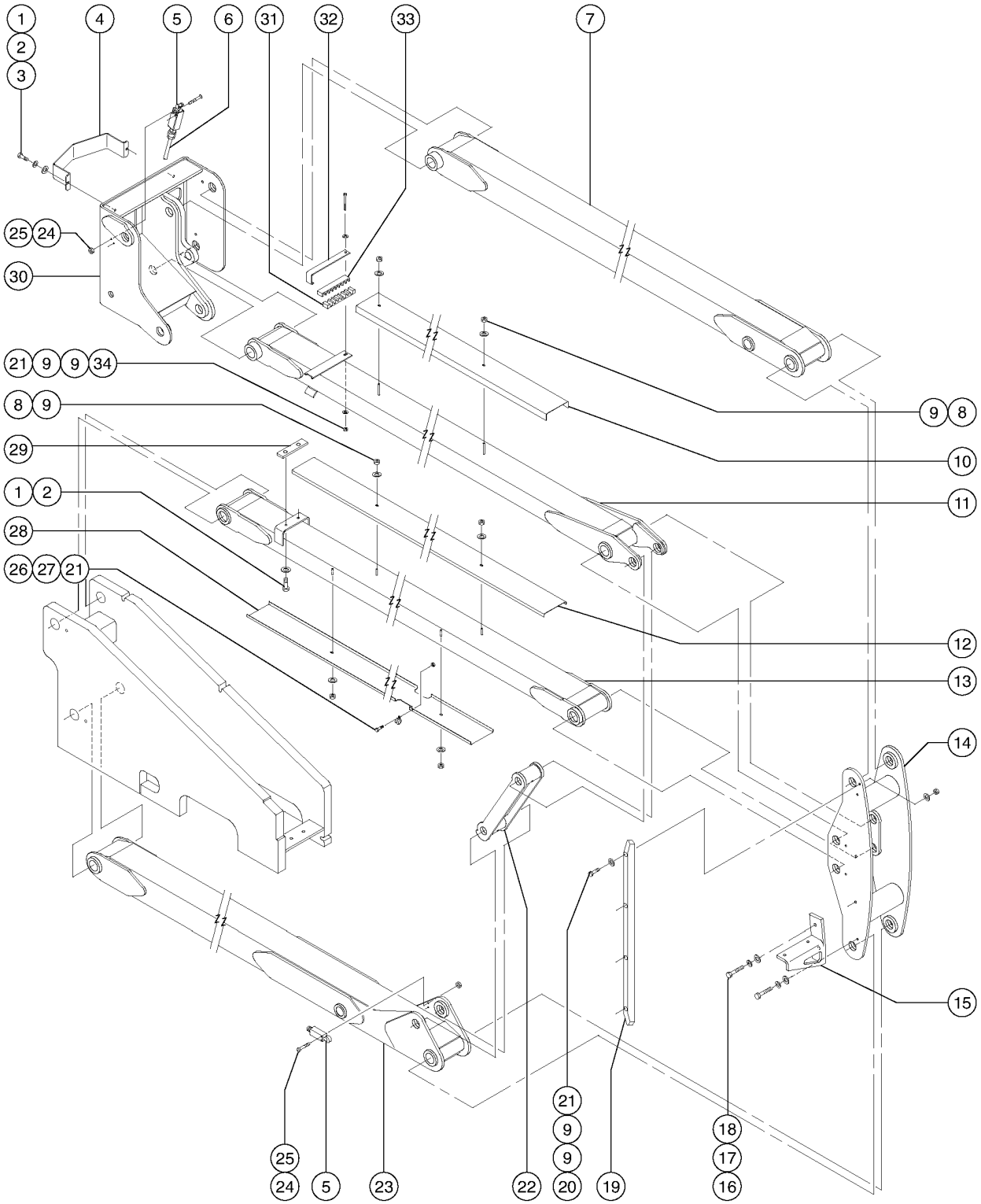
Item	Part No.	Description	Qty.
30	52728GT	UPPER PIVOT W/BEARING-Z45/25	1
31	94530GT	CLAMPING BLOCK,CABLE from SN 20593	1
32	94531PGT	BRACKET,HOSE CLAMP PAINTED*** from SN 20593	1
33	94529GT	CLAMPING BLOCK,HOSE*** from SN 20593	1
34	6888GT	SCREW, HHC, 1/4-20 X 1 from SN 20593	1

602.2 Boom Installation - Linkage, Z-45/25J



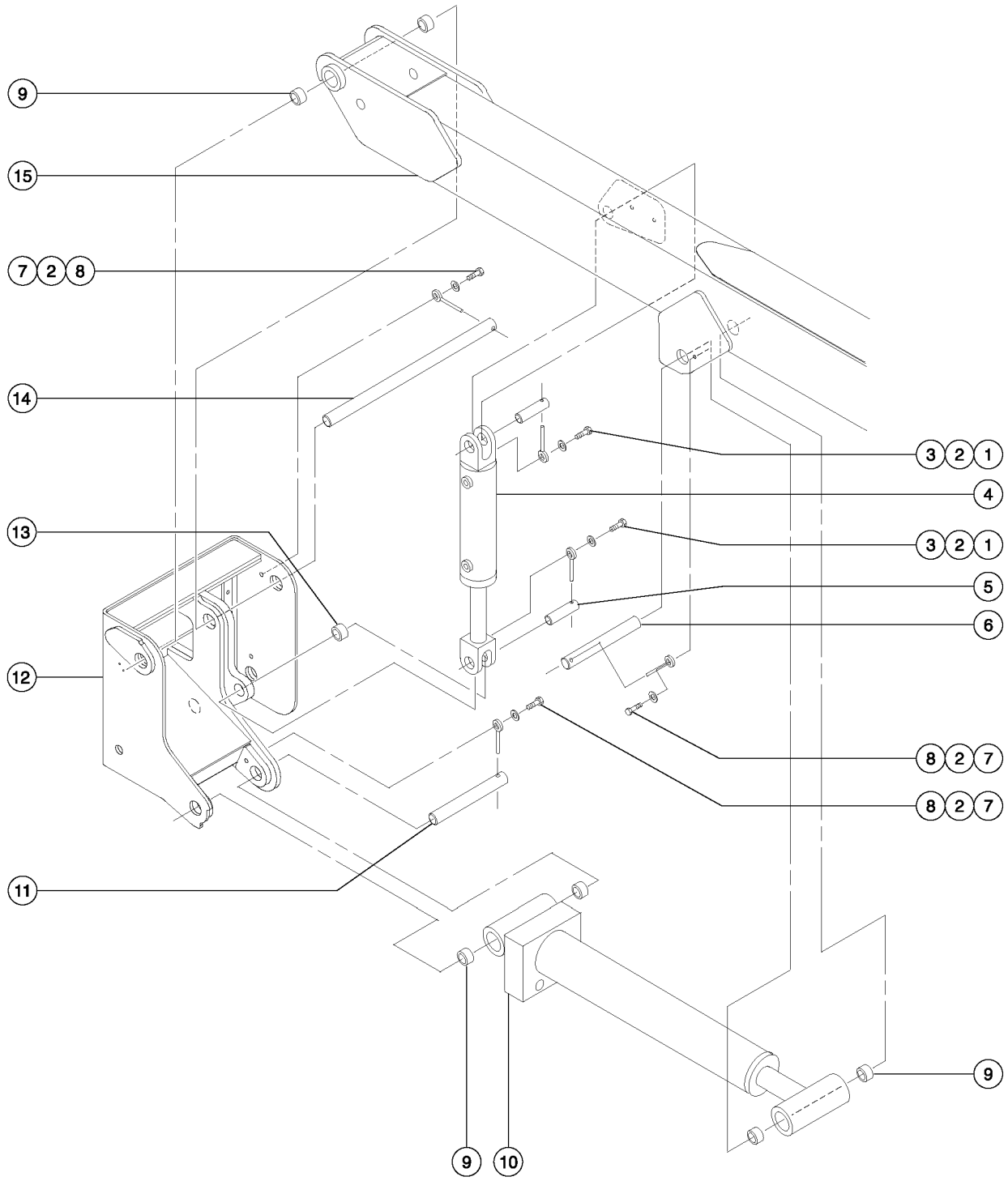
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	4
2	6021GT	WASHER, LOCK, .375	4
3	6097GT	WASHER, FLAT, USS, 3/8", Y	2
4	60074PGT	COVER BRACE,UPPER PIVOT,REAR,P	1
5	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	2
5-	19491GT	CONTACTOR,LIMIT SWITCH	
5-	97128GT	ROLLER ARM,LIMIT SWITCH***	
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396
7	52729GT	UPPER SECONDARY ARM ASSY-Z45	1
8	6889GT	NUT,LP NYLOCK,1/4-20	6
9	6638GT	WASHER, FLAT, USS, 1/4"Y	16
10	88370GT	HOSE COVER,UPPER ARM	1
11	52740GT	UPPER LEVEL ARM ASSY,SERV	1
12	50517-SGT	HOSE COVER,LOWER LEVEL,TOP,PAI	1
13	52741GT	LOWER LEVEL ARM ASSY	1
14	52738GT	MIDPIVOT ASSY Z45IC	1
15	50952-SGT	BOOM REST WELDMENT	1
16	8177GT	SCREW,HHC,1/2-13 X 1.5	2
17	6033GT	WASHER,LOCK,0.5"	2
18	6095GT	WASHER,FLAT,USS,1/2",Y	2
19	54168GT	WEAR PAD,MID PIVOT,PERIMETER	1
20	4266GT	SCREW,HHC,1/4-20 X 2	4
21	6091GT	NUT,NYLOCK,1/4-20	6
22	50479-SGT	CONNECTING LINK, Z45/25	1
23	52742-SGT	LOWER SECONDARY ARM ASSY includes bearings	1
24	54239GT	SCREW,PHILLIPS,PHM,10-32 X 2.0	4
25	6178GT	NUT, NYLOCK, 10-32	4
26	7339GT	SCREW,HHC,1/4-20 X .5	1

602.2 Boom Installation - Linkage, Z-45/25J



Item	Part No.	Description	Qty.
27	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	2
28	50548PGT	HOSE COVER,LOWER LEVEL,BOT,PAI	1
29	49772GT	WEAR PAD,6 X 1.5 X.50,W/INSERT	1
30	52728GT	UPPER PIVOT W/BEARING-Z45/25	1
31	94530GT	CLAMPING BLOCK,CABLE from SN 20593	1
32	94531PGT	BRACKET,HOSE CLAMP PAINTED*** from SN 20593	1
33	94529GT	CLAMPING BLOCK,HOSE*** from SN 20593	1
34	6888GT	SCREW, HHC, 1/4-20 X 1 from SN 20593	1

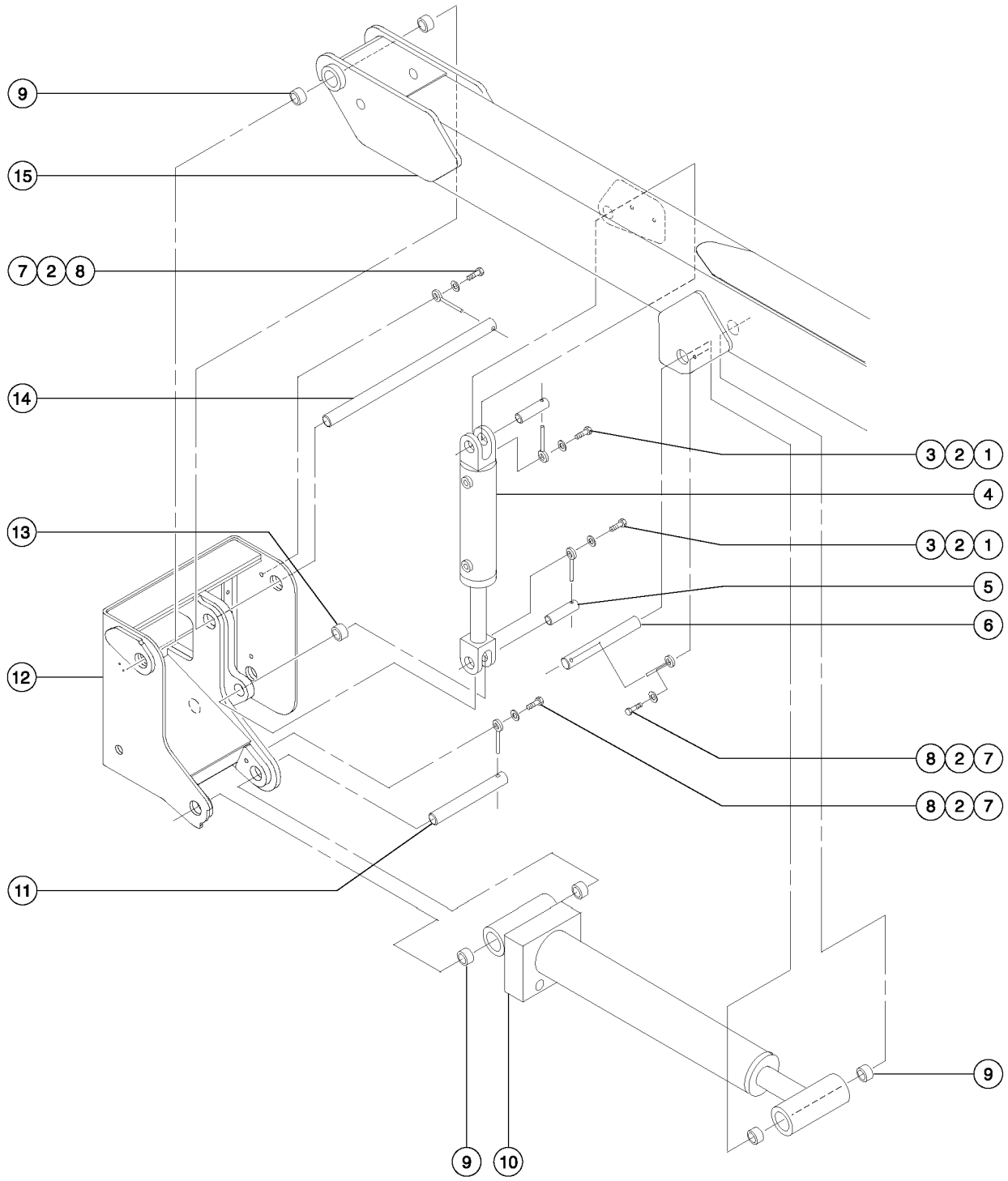
603.1 Upper Pivot, Z-45/25



603.1 Upper Pivot, Z-45/25

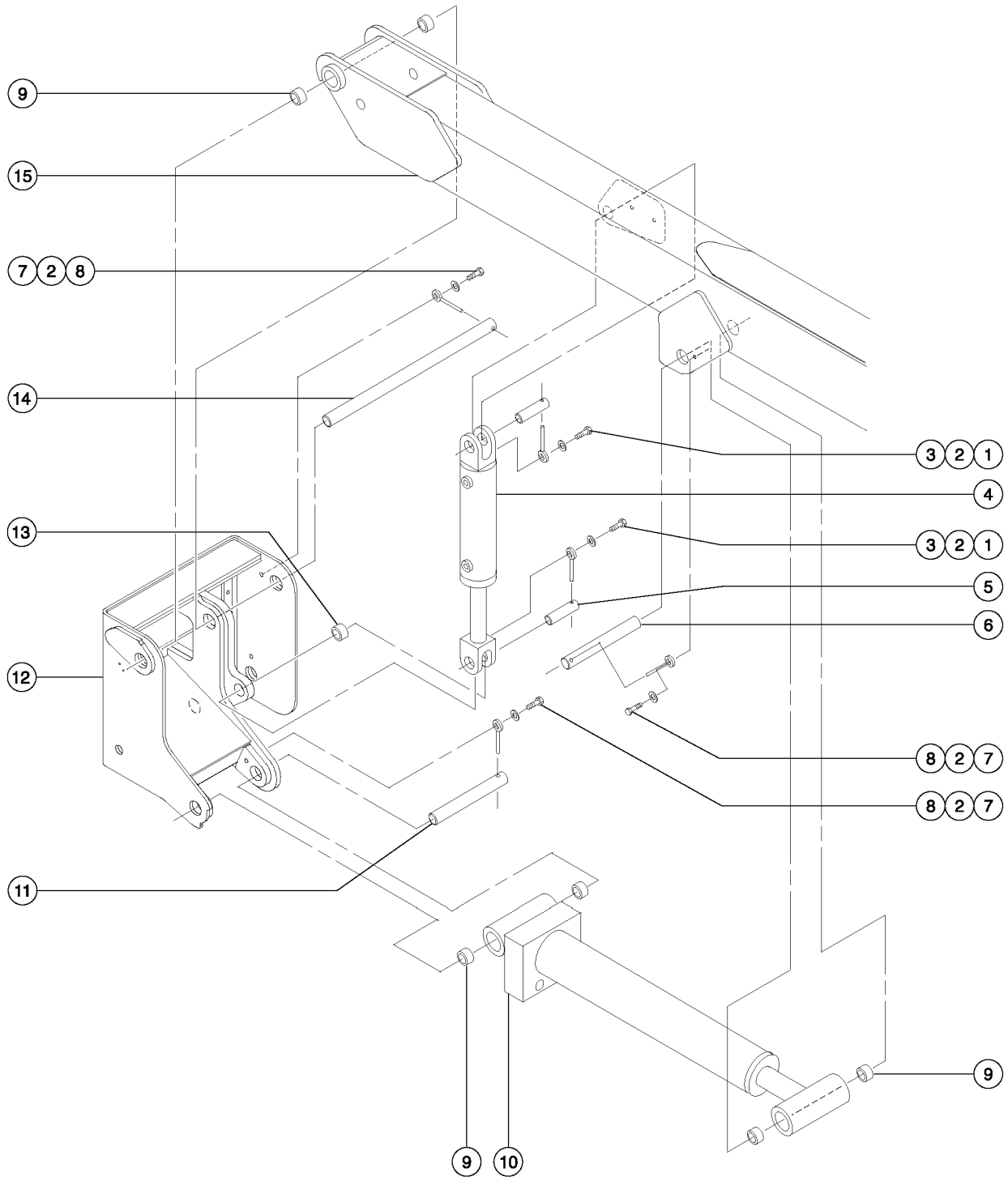
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	2
2	6021GT	WASHER, LOCK, .375	5
3	1255452GT	ROD END,.375 X 2.25,ZAG	2
4	139599GT	KIT,CYLINDER REPLACEMENT,Z-45* to SN 19867; upgrade service kit required for first-time replacement (includes both the master and slave cylinders); after first-time replacement, refer to 77362 below	1
4	52745GT	SEAL KIT,50337,50353 CYLINDER for cylinder 50337	
4	59263GT	SEAL KIT-3" BORE X 1.5" ROD for cylinder 59132 and 59340	
4	59445GT	SEAL KIT,3" BORE,1.5" RD for cylinder 59389	
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 from SN 19868	1
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	
5	34276GT	PIN,1.25DIAX3.37LG,1HOLE	2
6	50542GT	PIN,1.75DIAX9.25LG,1HOLE	1
7	6175GT	SCREW,HHC,3/8-16 X 1	3
8	825019GT	ROD END, .375X3.69, ZAG	3
9	1262633GT	BUSHING,POLYGON,BM5120	6
10	1263056GT	CYLINDER,PRIM LIFT NON JIB,Z45 includes 4 each index number 9	1
10	52744GT	SEAL KIT,50287,50392 CYLINDER for cylinder 50392	1
10	77189GT	SEAL KIT,CYL,Z45 (77187&77188) for cylinder 77187, 1263056	1
10	77014GT	VALVE,COUNTERBALANCE,3800 PSI for cylinder 50392, 77187, 1263056	1
11	54738GT	PIN,1.75DIAX12.25LG,CHAMFER	1
12	52728GT	UPPER PIVOT W/BEARING-Z45/25 includes index number 13	1
13	30370GT	BEARING,1.25IDX1.5ODX1.00L	1
14	54331GT	PIN,1.75DIAX23.57LG,CHAMFER***	1
15		Ref. Primary Boom Tube Assembly (refer to Figure 6-D and 6-E)	1

603.2 Upper Pivot, Z-45/25J



Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	2
2	6021GT	WASHER, LOCK, .375	5
3	1255452GT	ROD END,.375 X 2.25,ZAG	2
4		CYLINDER,MASTER,Z45,#4PORTS***(59389) (cylinder no longer available) to SN 12673 (cylinder no longer available)	1
4	52745GT	SEAL KIT,50337,50353 CYLINDER for cylinder 59389	1
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 to SN 12673	
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	
4		CYLINDER,MASTER,Z45,#4PORTS***(59389) (cylinder no longer available) from SN 12674 to SN 17347 (cylinder no longer available)	1
4	59263GT	SEAL KIT-3" BORE X 1.5" ROD for cylinder 59389	1
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 from SN 12674 to SN 17347	
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	
4		CYLINDER,MASTER,Z45,#4PORTS***(59389) (cylinder no longer available) from SN 17348 to SN 18840 (cylinder no longer available)	1
4	59263GT	SEAL KIT-3" BORE X 1.5" ROD for cylinder 59389	1
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 from SN 17348 to SN 18840	
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	
4		CYLINDER,MASTER,Z45,#4PORTS***(59389) (cylinder no longer available) from SN 18841 to SN 19867 (cylinder no longer available)	1
4	59445GT	SEAL KIT,3" BORE,1.5" RD for cylinder 59389	1
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 from SN 18841 to SN 19867	
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	
4	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45 from SN 19868	1
4	77364GT	SEAL KIT, LEVELING CYLINDER for cylinder 77362	1
5	34276GT	PIN,1.25DIAX3.37LG,1HOLE	2
6	50542GT	PIN,1.75DIAX9.25LG,1HOLE	1
7	6175GT	SCREW,HHC,3/8-16 X 1	3
8	825019GT	ROD END, .375X3.69, ZAG	3
9	1262633GT	BUSHING,POLYGON,BM5120	6
10	1263057GT	CYLINDER,PRIM LIFT JIB,Z45 includes 4 each index number 9; to SN 19678	1
10	52744GT	SEAL KIT,50287,50392 CYLINDER	1

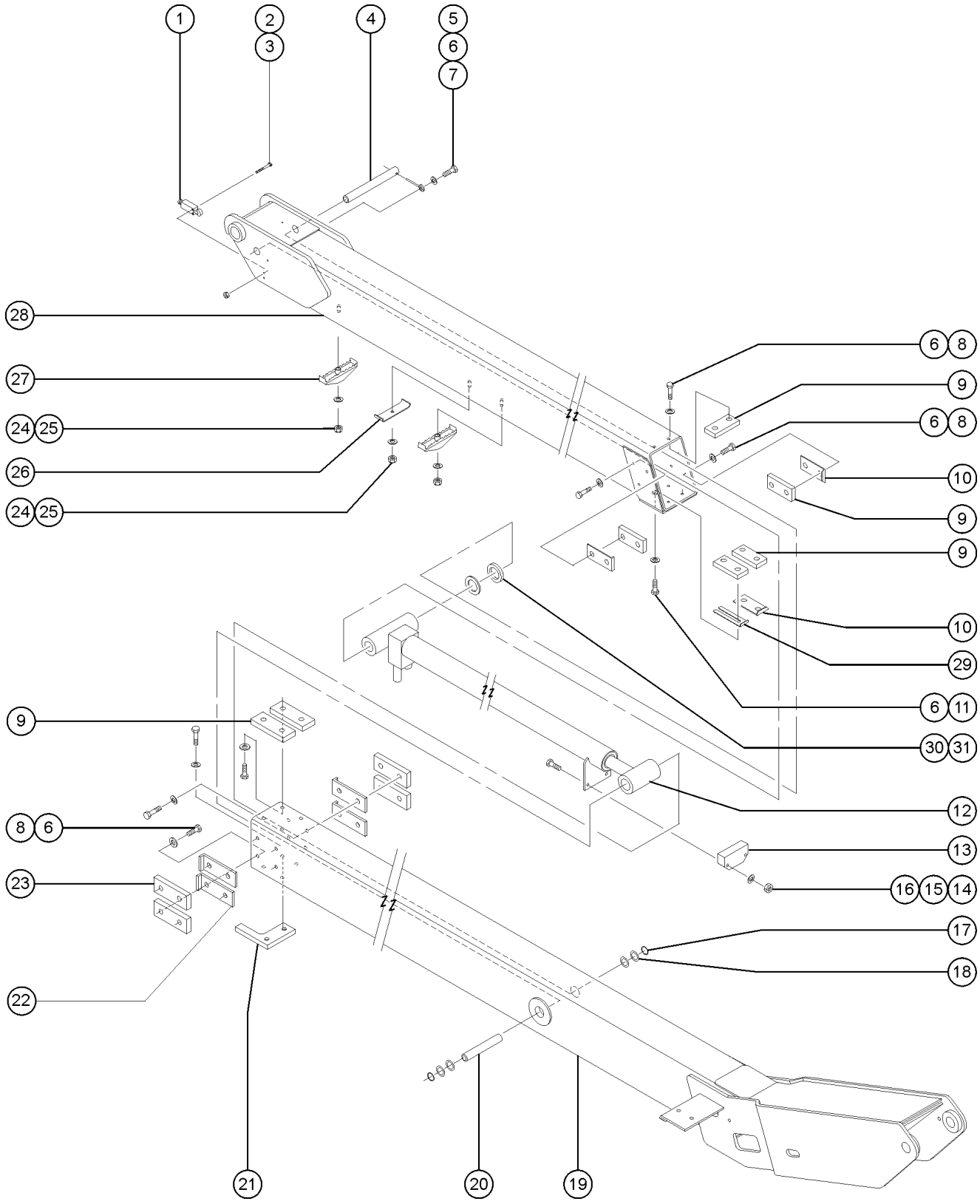
603.2 Upper Pivot, Z-45/25J



603.2 Upper Pivot, Z-45/25J

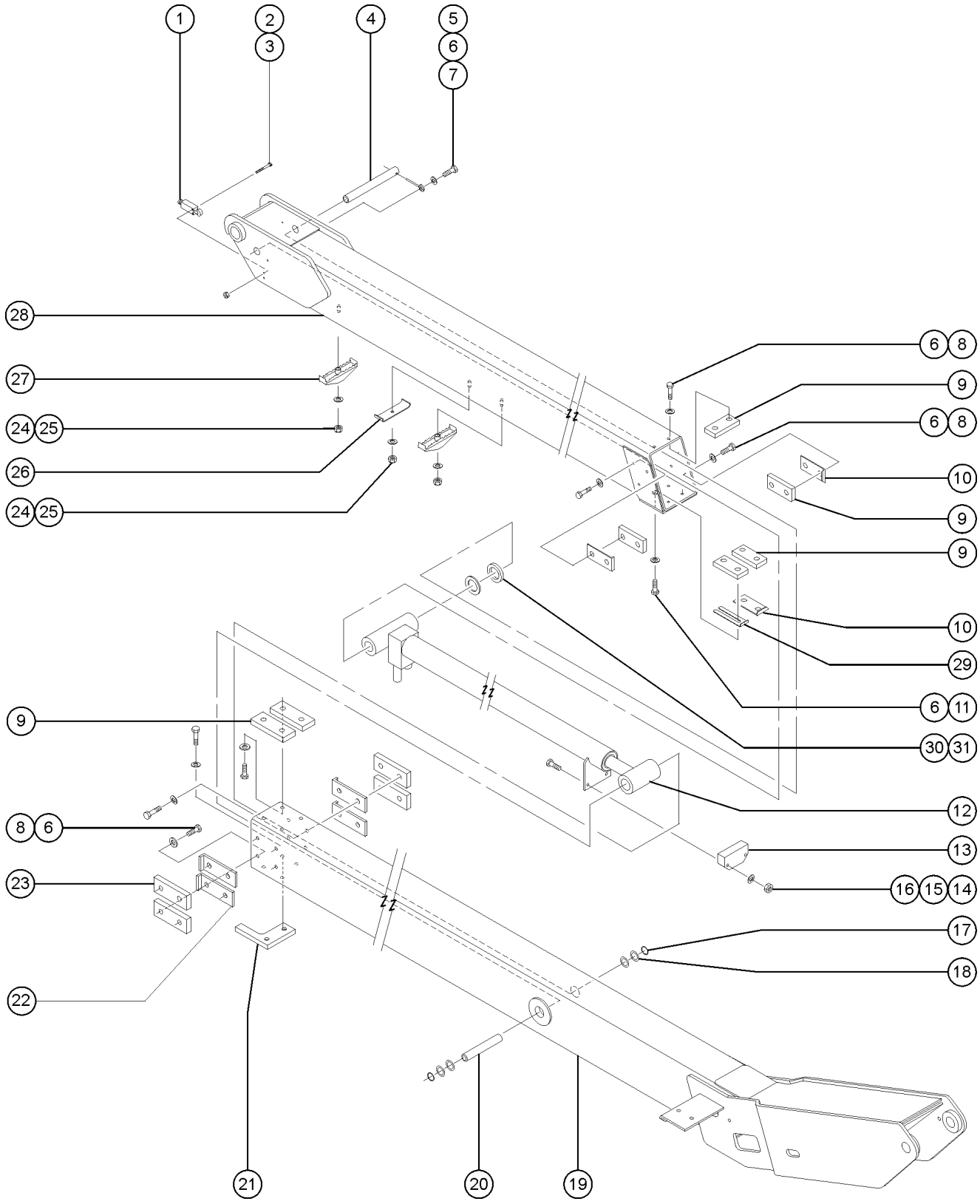
Item	Part No.	Description	Qty.
10	77014GT	VALVE,COUNTERBALANCE,3800 PSI	1
10	1263057GT	CYLINDER,PRIM LIFT JIB,Z45 includes 4 each index number 9; from SN 19679	1
10	77189GT	SEAL KIT,CYL,Z45 (77187&77188) for 77188, 1263057	1
10	77014GT	VALVE,COUNTERBALANCE,3800 PSI for 77188, 1263057	1
11	54738GT	PIN,1.75DIAX12.25LG,CHAMFER	1
12	52728GT	UPPER PIVOT W/BEARING-Z45/25 includes index number 13	1
13	30370GT	BEARING,1.25IDX1.5ODX1.00L	1
14	54331GT	PIN,1.75DIAX23.57LG,CHAMFER***	1
15		Ref. Primary Boom Tube Assembly (refer to Figure 6-D and 6-E)	1

604.1 Primary and Extension Booms - Non-Jib Models



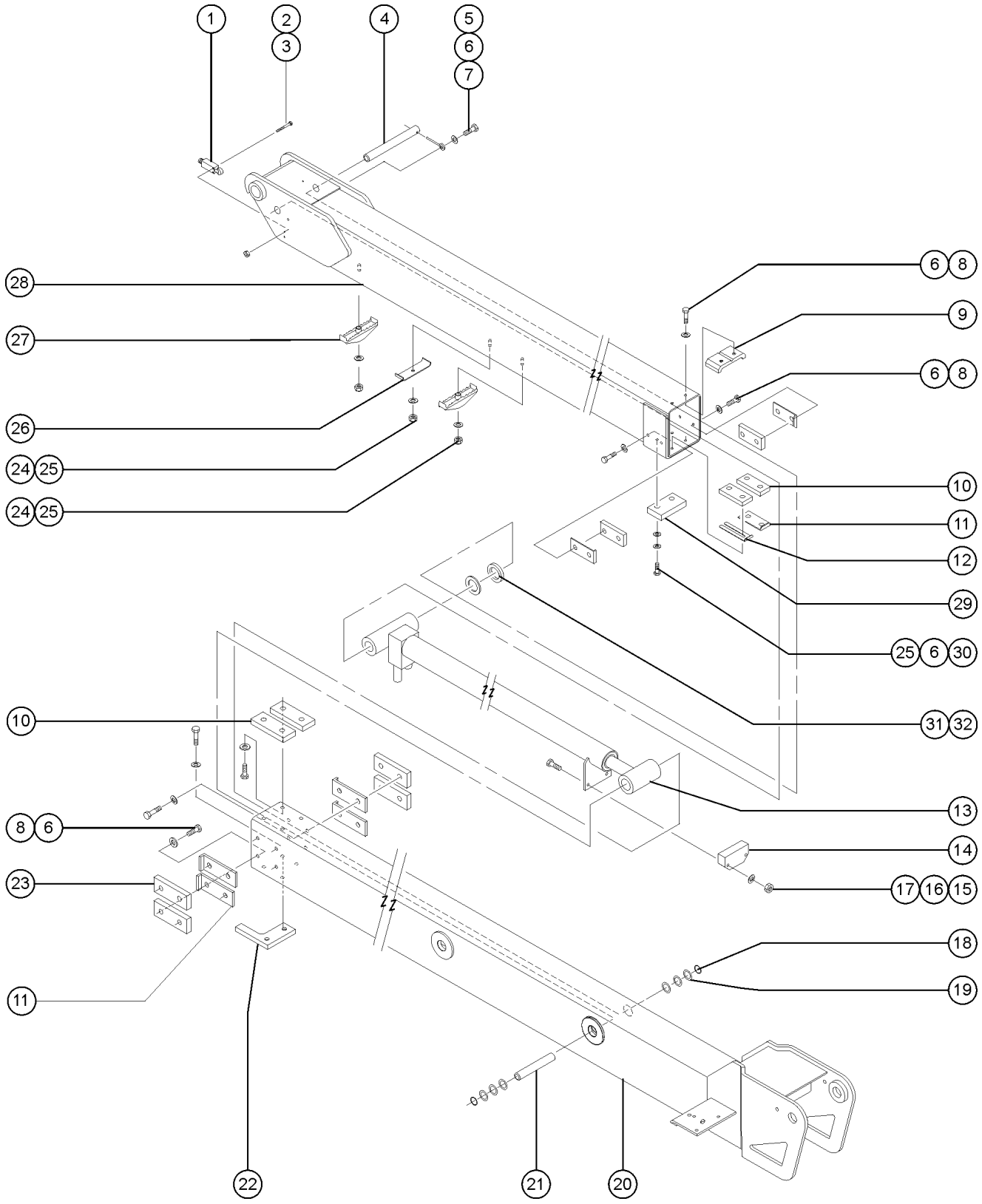
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
1-	19491GT	CONTACTOR,LIMIT SWITCH	
1-	97128GT	ROLLER ARM,LIMIT SWITCH***	
2	49775GT	SCREW,PHILLIPS,PHM,10-32X 1.75	2
3	6178GT	NUT, NYLOCK, 10-32	2
4	50584GT	PIN,1.25DIAX9.38LG,THREADED	1
5	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	5
6	6021GT	WASHER, LOCK, .375	28
7	825019GT	ROD END, .375X3.69, ZAG	1
8	8255GT	SCREW,HHC,3/8-16 X .75	14
9	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	9
10	38620GT	SHIM,WEAR PAD,5 X 1.5,14GA	6
11	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
12	54570GT	CYLINDER,EXTEND,Z45 NON JIB to SN 13339	1
12-	52757GT	SEAL KIT,50699,50260,50321 CYL for cylinder 50321	1
12-	54063GT	VALVE,CB.CBBC-LHN@1000*** for cylinder 50321	1
12-	77410GT	VALVE,COUNTERBALNCE,1500 PSI** for cylinder 50321	1
12-	54570GT	CYLINDER,EXTEND,Z45 NON JIB from SN 13340	1
12-	65788GT	SEAL KIT CYL Z45 (54570)	1
12-	54063GT	VALVE,CB.CBBC-LHN@1000***	1
12-	77410GT	VALVE,COUNTERBALNCE,1500 PSI**	1
13	50698GT	WEAR PAD,EXTENSION CYLINDER	1
14	6091GT	NUT,NYLOCK,1/4-20	6
15	6638GT	WASHER, FLAT, USS, 1/4"Y	6
16	6637GT	SCREW,HHC,1/4-20 X 1.75	2
17	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2

604.1 Primary and Extension Booms - Non-Jib Models



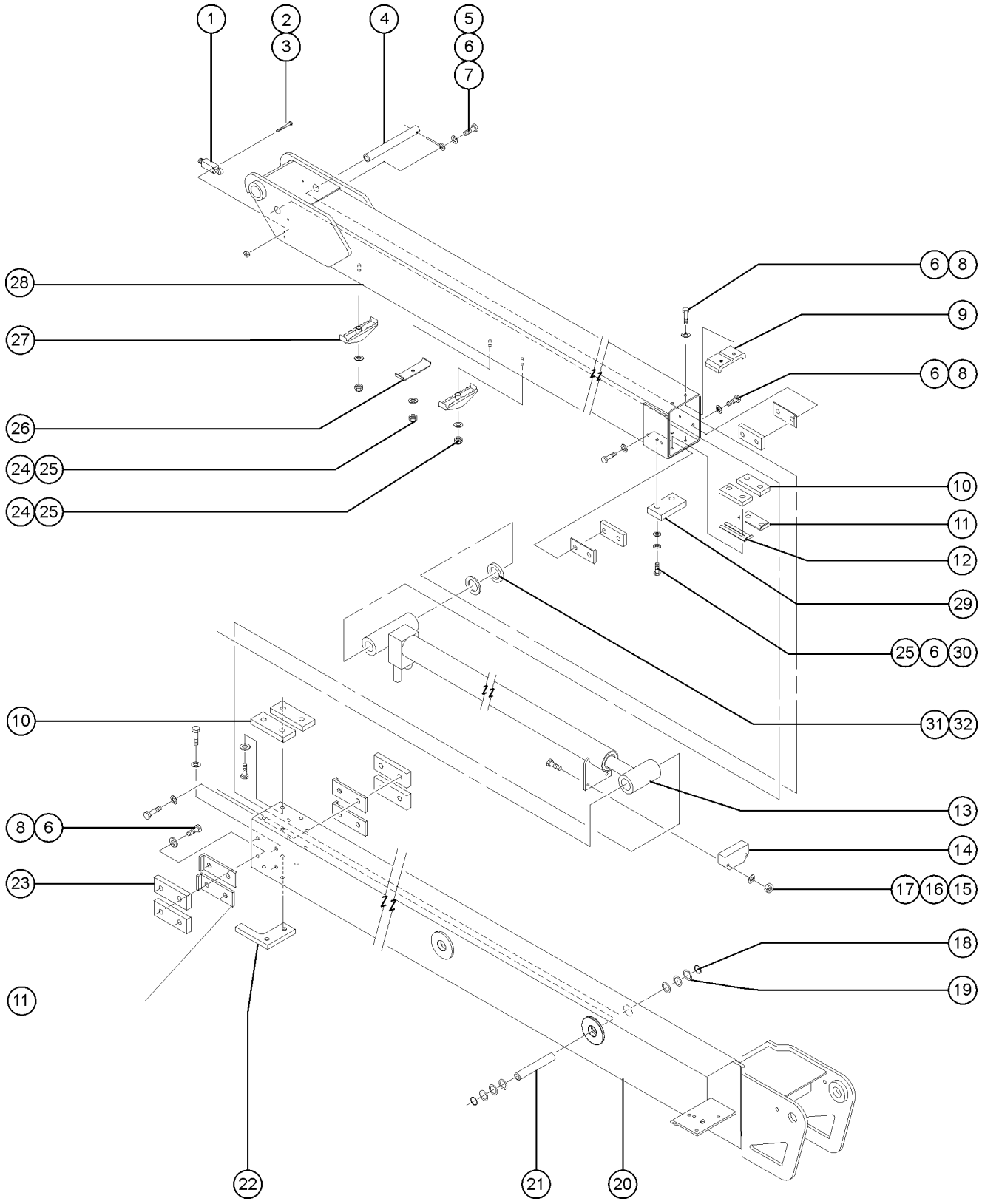
Item	Part No.	Description	Qty.
18	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	4
19	50315GT	EXTENSION BOOM WELDMNT,NON-JIB	1
20	50546GT	PIN,1.25DIAX6.36LG,2RING	1
21	50552GT	WEAR PAD,EXTENSION BOOM	1
22	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	4
23	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	4
24	4828GT	NUT, NYLOCK, 3/8-16	3
25	6097GT	WASHER, FLAT, USS, 3/8", Y	3
26	54530GT	CLAMP,HOSE,ALUMINUM	1
27	77106GT	CLAMP,CABLE & HOSE,PLASTIC	2
28	52781GT	PRIMARY BOOM ASSY,STD,Z45/25 to SN 16999	1
28	65633GT	PRIMARY BOOM ASSY,STD,Z45/25** from SN 17000	1
29	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	as needed
30	77375GT	SPACER,NYLON,2.01 X 1.28 X.135	1
31	77376GT	SPACER,NYLON,2.00 X 1.33 X.310	1

605.1 Primary and Extension Booms - Jib Models



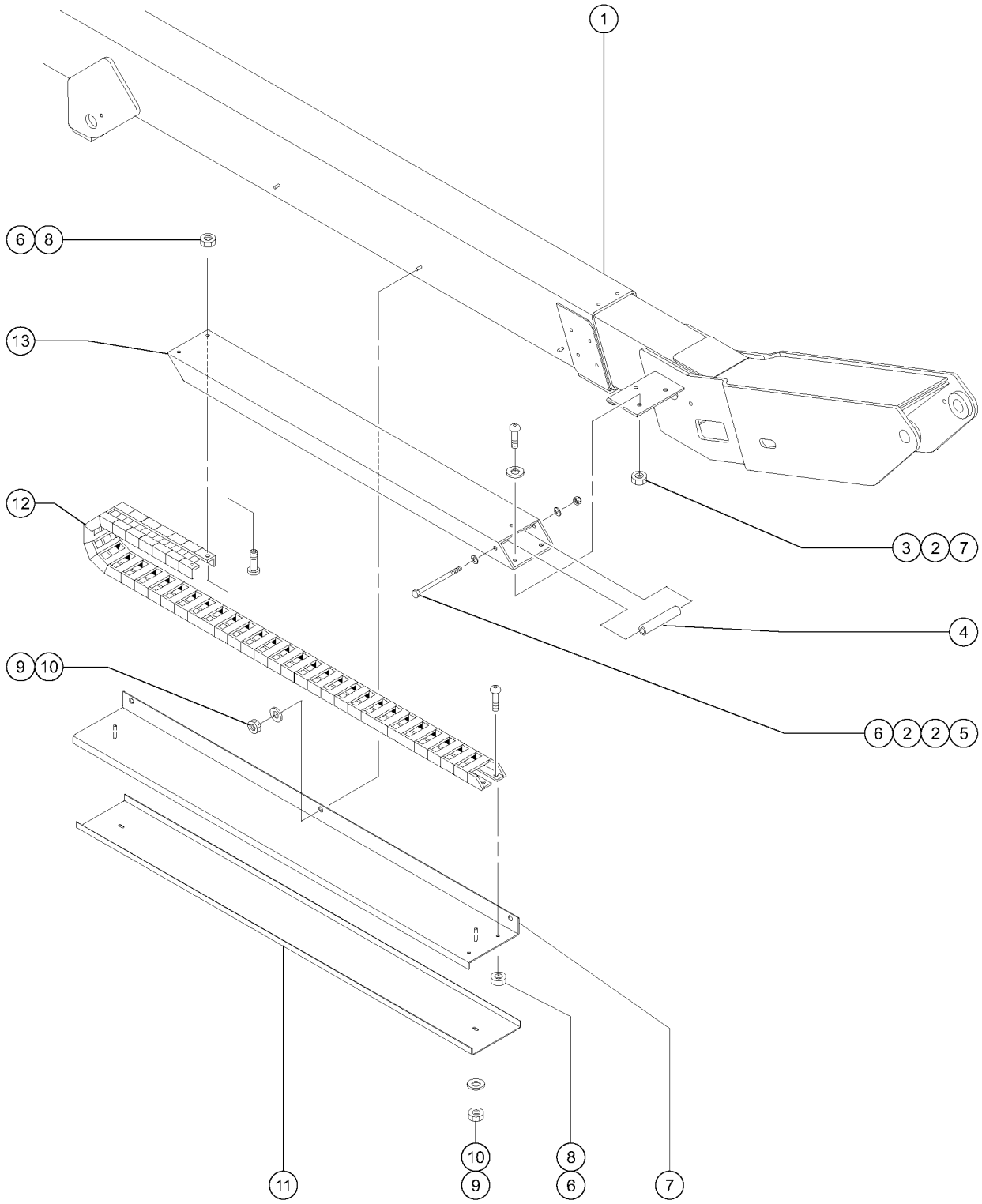
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
1-	19491GT	CONTACTOR,LIMIT SWITCH	
1-	97128GT	ROLLER ARM,LIMIT SWITCH***	
2	49775GT	SCREW,PHILLIPS,PHM,10-32X 1.75	1
3	6178GT	NUT, NYLOCK, 10-32	1
4	50584GT	PIN,1.25DIAX9.38LG,THREADED	1
5	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	5
6	6021GT	WASHER, LOCK, .375	21
7	825019GT	ROD END, .375X3.69, ZAG	1
8	8255GT	SCREW,HHC,3/8-16 X .75	14
9	54131GT	WEAR PAD,PRIMARY BOOM,TOP 6.25X1.5X1.13	1
10	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS	6
11	38620GT	SHIM,WEAR PAD,5 X 1.5,14GA	4
12	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	4
13	54569GT	CYLINDER,EXTEND,Z45J*** to SN 13339	1
13-	52757GT	SEAL KIT,50699,50260,50321 CYL for cylinder 50260	1
13-	54063GT	VALVE,CB.CBBC-LHN@1000*** for cylinder 50260	1
13-	77410GT	VALVE,COUNTERBALNCE,1500 PSI** for cylinder 50260	1
13-	54569GT	CYLINDER,EXTEND,Z45J*** from SN 13340	1
13-	65790GT	SEAL KIT CYL.Z45(54569)	1
13-	54063GT	VALVE,CB.CBBC-LHN@1000***	1
13-	77410GT	VALVE,COUNTERBALNCE,1500 PSI**	1
14	50698GT	WEAR PAD,EXTENSION CYLINDER	1
15	6091GT	NUT,NYLOCK,1/4-20	2
16	6638GT	WASHER, FLAT, USS, 1/4"Y	2
17	6637GT	SCREW,HHC,1/4-20 X 1.75	2

605.1 Primary and Extension Booms - Jib Models



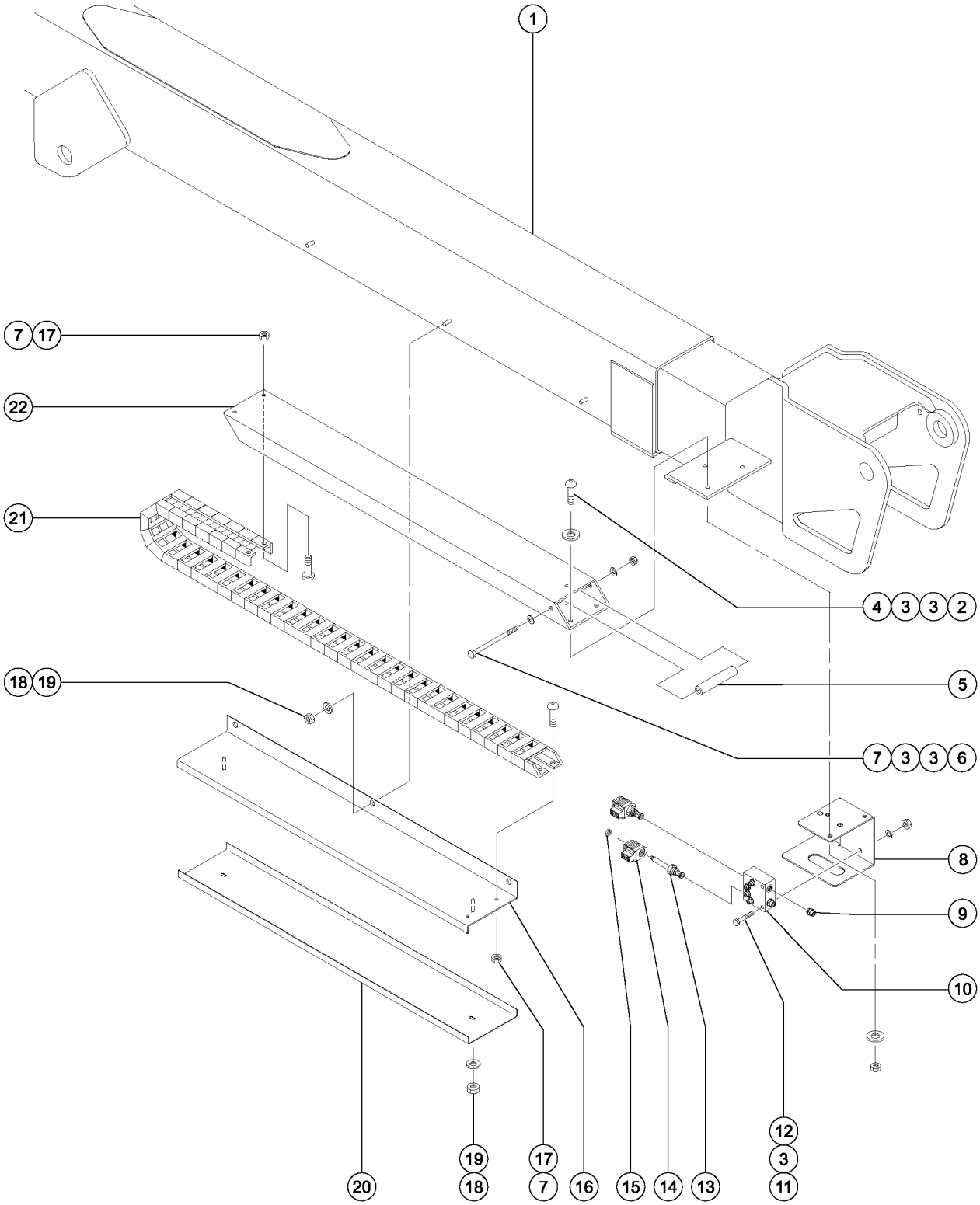
Item	Part No.	Description	Qty.
18	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
19	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	8
20	50304GT	EXTENSION BOOM WELDMNT,JIB,Z45	1
21	50546GT	PIN,1.25DIAX6.36LG,2RING	2
22	50552GT	WEAR PAD,EXTENSION BOOM	1
23	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	4
24	4828GT	NUT, NYLOCK, 3/8-16	3
25	6097GT	WASHER, FLAT, USS, 3/8", Y	5
26	54530GT	CLAMP,HOSE,ALUMINUM	1
27	77106GT	CLAMP,CABLE & HOSE,PLASTIC	2
28	52782GT	PRIMARY BOOM ASSY,JIB,Z45/25J to SN 16999	1
28	65634GT	PRIMARY BOOM ASSY,JIB,Z45/25J from SN 17000	1
29	54157GT	WEAR PAD,PRIMARY BOOM,JIB 5.5X3X1	1
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
31	77375GT	SPACER,NYLON,2.01 X 1.28 X.135	1
32	77376GT	SPACER,NYLON,2.00 X 1.33 X.310	1

606.1 Cable Track Installation - Non-Jib Models



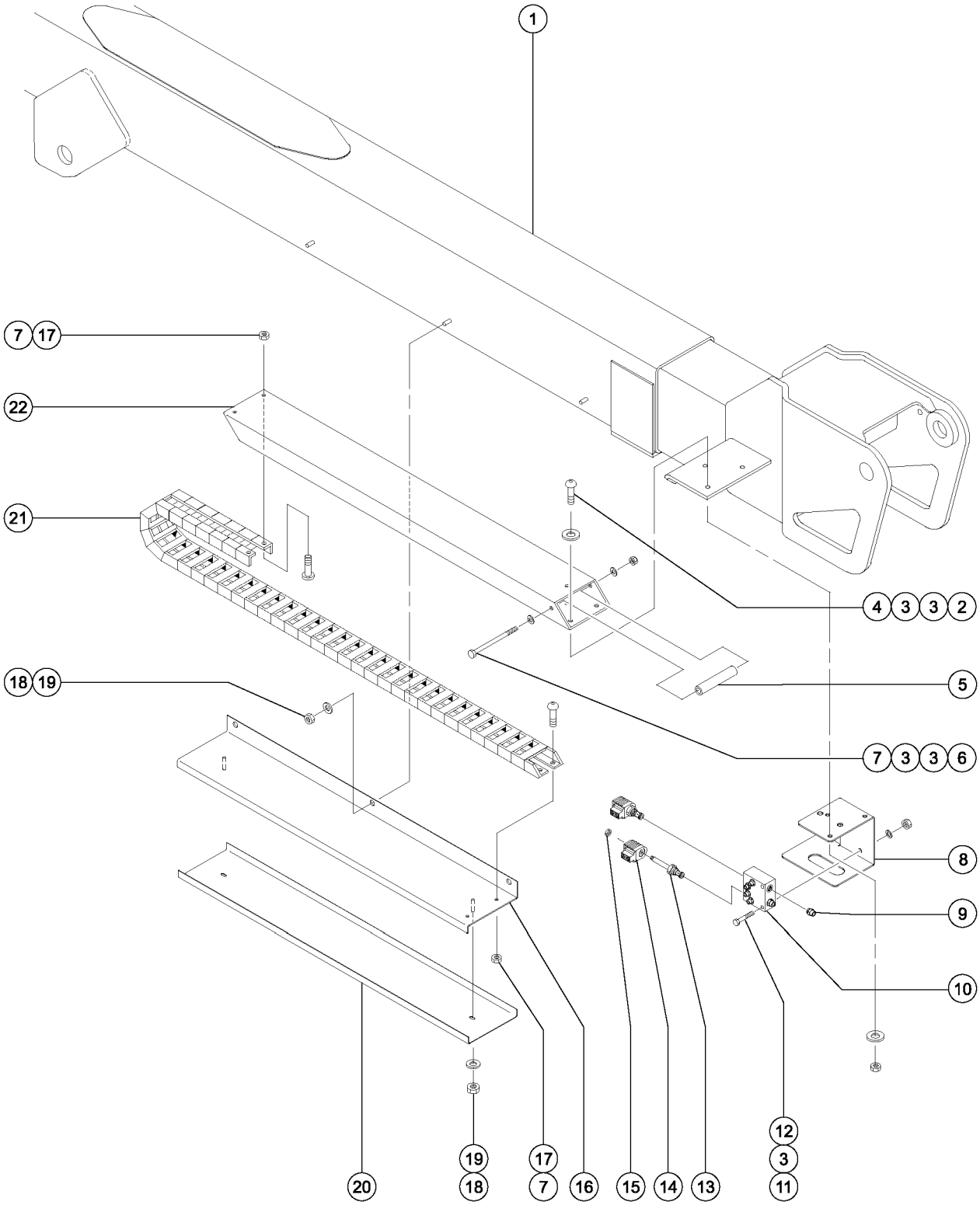
Item	Part No.	Description	Qty.
1		Ref. Primary Boom Tube Assembly (refer to Figure 6-D)	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	8
3	54830GT	SCREW,BHSC,1/4-20 X .88,Y/ZINC	3
4	48751-463GT	HOSE,1/4" HIGH PRESSURE,4.63LG	11
5	77036GT	SCREW,HHC,1/4-20 X 5.50,G5,CLZ	1
6	6091GT	NUT,NYLOCK,1/4-20	8
7	54981GT	WELDMENT,CABLE TRACK TRAY,NJIB to SN 16999	1
7	54981GT	WELDMENT,CABLE TRACK TRAY,NJIB from SN 17000	1
8	12011GT	SCREW,BHHS,1/4-20 X .5,Y/ZINC	4
9	7713GT	NUT, LP NYLOCK, 3/8-16	4
10	5397GT	WASHER, FLAT, USS, 5/16-18	4
11	50748PGT	CHANNEL,CABLE TRACK COV,NONJ,P to SN 16999	1
11	54985PGT	CHANNEL,CABLE TRACK COV,NONJ,P from SN 17000	1
12	50452GT	CABLE TRACK,PLASTIC,35 LINK (Z-45/25)	1
12-	58919GT	REPAIR LINK,7 LINKS***	1
12-	58927GT	LINK,NYLATRAC KS6-5.4***	1
12-	58920GT	REPAIR LINK END SET (42763)*	1
13	50747GT	TUBE,CABLE TRACK ARM,NON-JIB to SN 15015	1
13	54460GT	TUBE,CABLE TRACK ARM NON-JIB from SN 15016	1

607.1 Cable Track Installation - Jib Models



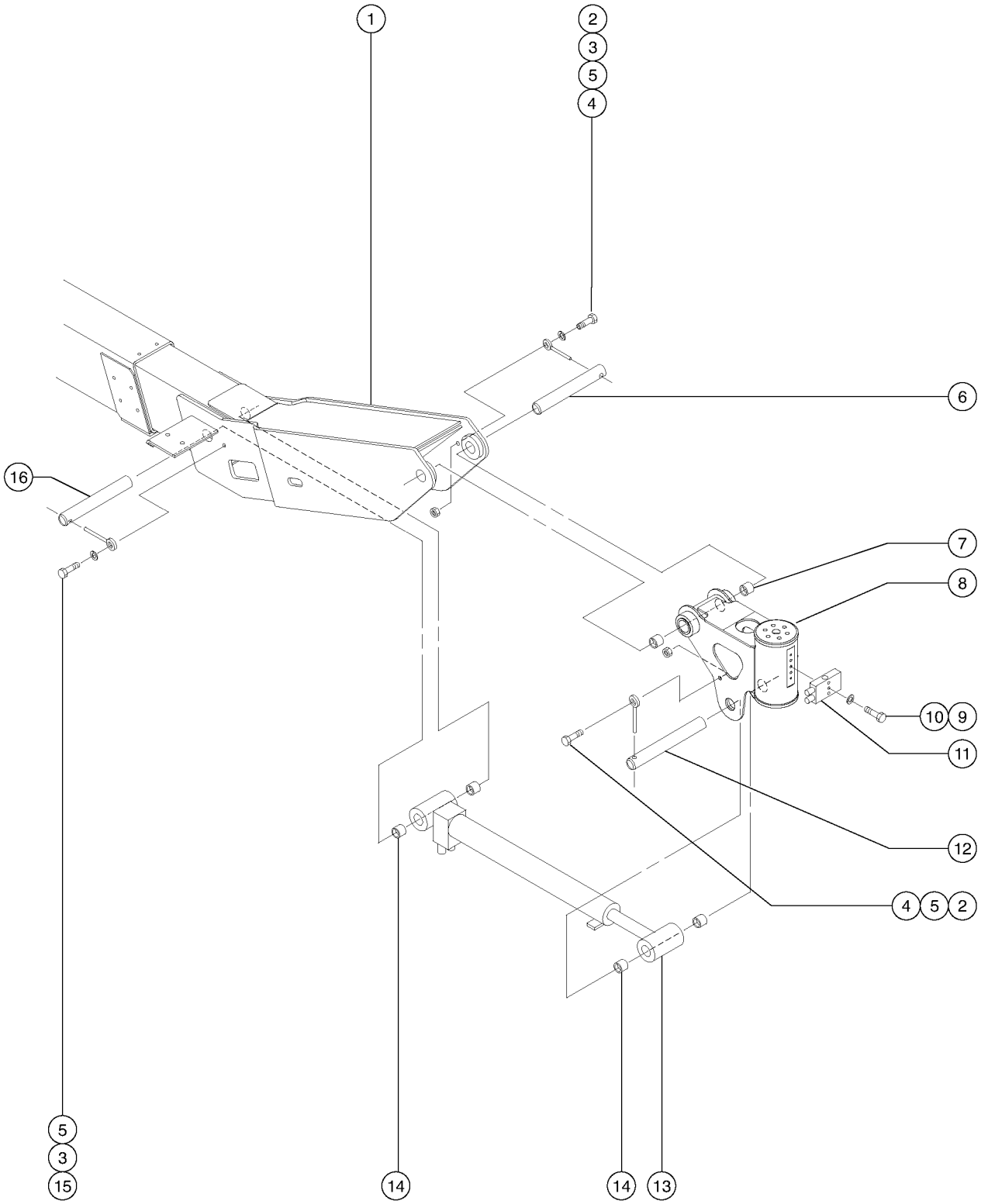
Item	Part No.	Description	Qty.
1		Ref. Primary Boom Tube Assembly (refer to Figure 6-E)	
2	54830GT	SCREW,BHSC,1/4-20 X .88,Y/ZINC	3
3	6638GT	WASHER, FLAT, USS, 1/4"Y	10
4	18504GT	NUT,LOCKING-LG.FLANGE,1/4-20	3
5	48751-463GT	HOSE,1/4" HIGH PRESSURE,4.63LG	1
6	77036GT	SCREW,HHC,1/4-20 X 5.50,G5,CLZ	1
7	6091GT	NUT,NYLOCK,1/4-20	5
8	60032PGT	BRACKET,MANIFOLD,JIB,PAINTED to SN 19756	1
9	48905GT	CONNECTOR, 520120-4 to SN 19756	6
10	50692GT	MANIFOLD,JIB,ROTATE 10V includes index number 13; to SN 16933	1
10	77008GT	MANIFOLD,JIB,ROTATE 10V,W/FITT includes index number 13; from SN 16934 to SN 19756	
10		Ref. Manifold - Jib Boom/Platform Rotate (refer to Figure 6-J) from SN 19757	1
11	6884GT	SCREW,HHC,1/4-20 X 2.5 to SN 19756	2
12	6889GT	NUT,LP NYLOCK,1/4-20 to SN 19756	2
13	65766GT	VALVE,SOLENOID,10V W/DIODE*** includes index numbers 14 and 15; to SN 16933	2
13	83005GT	VALVE, SOLENOID (73616)-SHORT includes index numbers 14 and 15; from SN 16934	1
13	83006GT	VALVE, SOLENOID (73616)-LONG** includes index numbers 14 and 15; from SN 16934	1
14	43601GT	COIL,SOLENOID VLV,10V W/ DIODE to SN 16933	2
14	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* from SN 16934	2
15	45912GT	NUT,SOLENOID VALVE 2P3W to SN 16933	2
15	52943GT	NUT, SOLENOID VALVE COIL from SN 16934	1
15	45912GT	NUT,SOLENOID VALVE 2P3W from SN 16934	1
16	50750GT	WELDMENT,CABLE TRACK TRAY,J to SN 16999	1
16	54983GT	WLDMNT,CABLE TRACK TRAY,JIB from SN 17000	1
17	12011GT	SCREW,BHHS,1/4-20 X .5,Y/ZINC	4
18	7713GT	NUT, LP NYLOCK, 3/8-16	4
19	5397GT	WASHER, FLAT, USS, 5/16-18	4
20	50487PGT	CHANNEL,CABLE TRK COVER,JIB, to SN 16999	1

607.1 Cable Track Installation - Jib Models



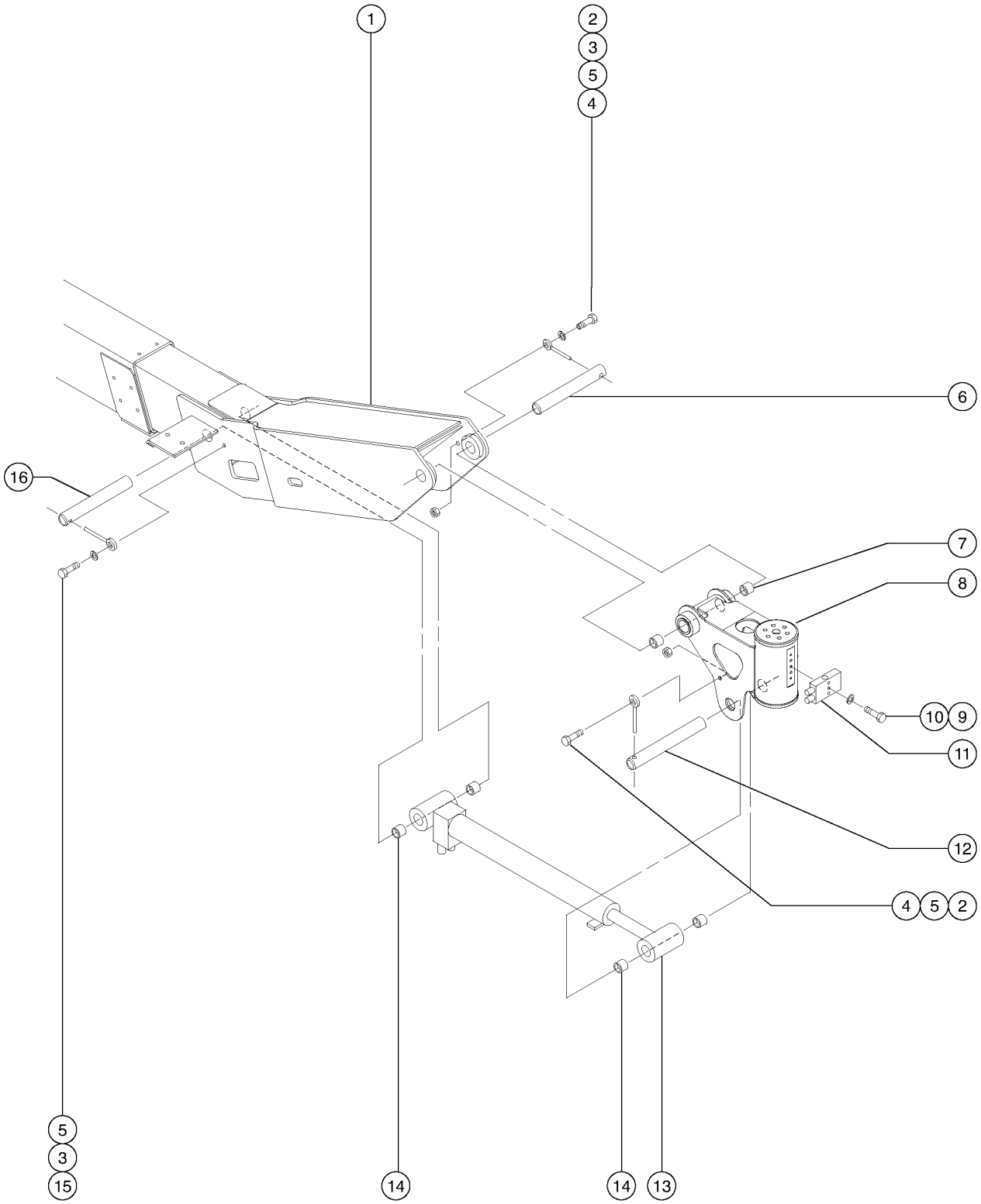
Item	Part No.	Description	Qty.
20	54984PGT	CHANNEL,CABLE TRK COVER,JIB,PA from SN 17000	1
21	50451GT	CABLE TRACK,PLASTIC,26 LINK* (Z-45/25J)	1
21-	58919GT	REPAIR LINK,7 LINKS***	1
21-	58927GT	LINK,NYLATRAC KS6-5.4***	1
21-	58920GT	REPAIR LINK END SET (42763)*	1
22	50743GT	TUBE,CABLE TRACK ARM,JIB to SN 15006	1
22	54461GT	TUBE,CABLE TRACK ARM,JIB from SN 15007	1

608.1 Platform Leveling and Rotation - Non-Jib Models



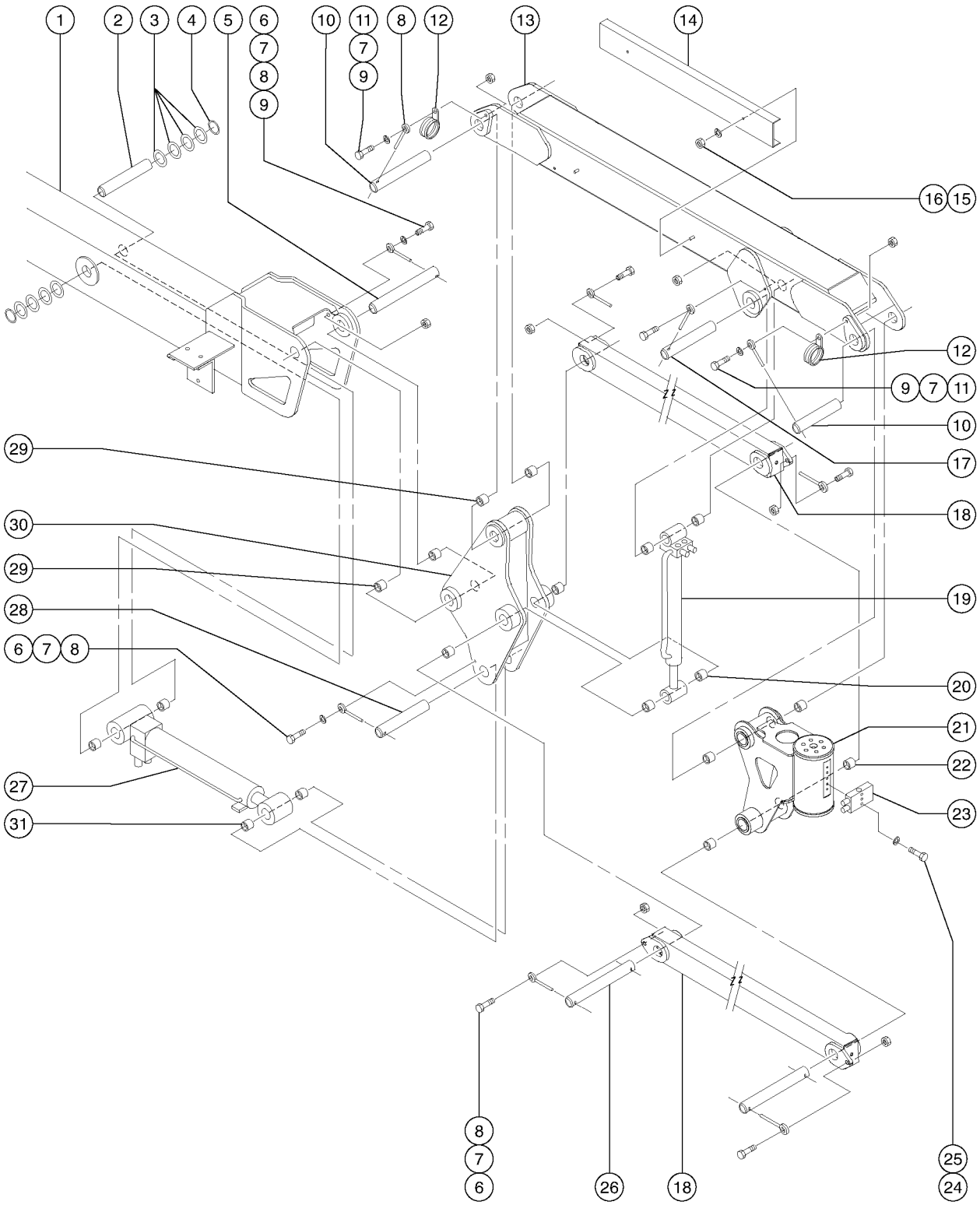
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1		Ref. Primary Extension Boom Tube (refer to Figure 6-D)	
2	8516GT	SCREW, HCC, 3/8-16 X 1.50	1
3	5397GT	WASHER, FLAT, USS, 5/16-18	1
4	4828GT	NUT, NYLOCK, 3/8-16	2
5	825019GT	ROD END, .375X3.69, ZAG	3
6	50543GT	PIN,1.25DIAX8.88LG,1HOLE	1
7	30219GT	BEARING,FL,1.25ID X 1.41OD X 1	2
8A	50457GT	ROTATOR,PLAT,NON/JIB,Z45/25 includes 2 each of index number 7; to SN 16961 (limited inventory; component no longer available)	1
8A-	65842GT	SEAL KIT,UNIVERSAL,9K ROTATOR* for 50457	
8A-	13852GT	VALVE ASSY,BLEED***	
8A-	31498GT	BEARING KIT,ROTATOR,9K***	
8B	233716GT	ROTATOR,PLAT,Z45 includes 2 each of index number 7; from SN 16962; non-jib units	1
8B-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR for rotator 233716	
8B-	62509GT	SEAL KIT,ROTATOR*** (for rotator PN 54808, no longer available)	
8B-	147369GT	SEAL AND BRG KIT,4.5K ROTATOR* (for rotator PN 94402, no longer available)	
8B-	13852GT	VALVE ASSY,BLEED***	
8B-	83042GT	BEARING KIT,ROTATOR,4.5K***	
9	6145GT	SCREW, HHC, 1/4-20 X 1.5	3
10	6356GT	WASHER, LOCK, .25	3
11	43166GT	MANIFOLD,ASSY DUAL CNTRBAL. to SN 15944	1
11	62507GT	O-RING, ROTATOR MANIFOLD	1
11	43018GT	SEAL KIT (39345)	1
11	39345GT	VALVE,COUNTERBAL.CBCA-LHN@3000	1
11	56929GT	MANIFOLD,ROTATOR,180 DEG.*** from SN 15945 to SN 19756	1
11	62507GT	O-RING, ROTATOR MANIFOLD	1
11	43018GT	SEAL KIT (39345)	1

608.1 Platform Leveling and Rotation - Non-Jib Models



Item	Part No.	Description	Qty.
11	62506GT	VALVE - COUNTERBALANCE**	1
11	73807GT	MANIFOLD,ROTATOR,CB*** from SN 19757	1
11	62507GT	O-RING, ROTATOR MANIFOLD	1
11	43018GT	SEAL KIT (39345)	1
11	62506GT	VALVE - COUNTERBALANCE**	1
12	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
13	139599GT	KIT,CYLINDER REPLACEMENT,Z-45* upgrade service kit required for first-time replacement (includes item 14 and both the master and slave cylinders); after first-time replacement, refer to 77363 below; to SN 19867	1
13	52745GT	SEAL KIT,50337,50353 CYLINDER for cylinder 50353	1
13	54065GT	VALVE,COUNTERBALANCE,3500***	1
13	77363GT	CYLINDER,LEVELING,BELLCRANK,Z-45 includes index number 14; from SN 19868	1
13	77364GT	SEAL KIT, LEVELING CYLINDER	1
13	54065GT	VALVE,COUNTERBALANCE,3500***	1
14	47377GT	BEARING,1.25 ID X 1.5 OD X .75 to SN 19867	4
14	25683GT	BEARING,POLYGON,20DU12 from SN 19868	4
15	6175GT	SCREW,HHC,3/8-16 X 1	1
16	T107884GT	PIN,1.25DIAX7.00LG,1HOLE	1
24	6638GT	WASHER, FLAT, USS, 1/4"Y	
25	6091GT	NUT,NYLOCK,1/4-20	

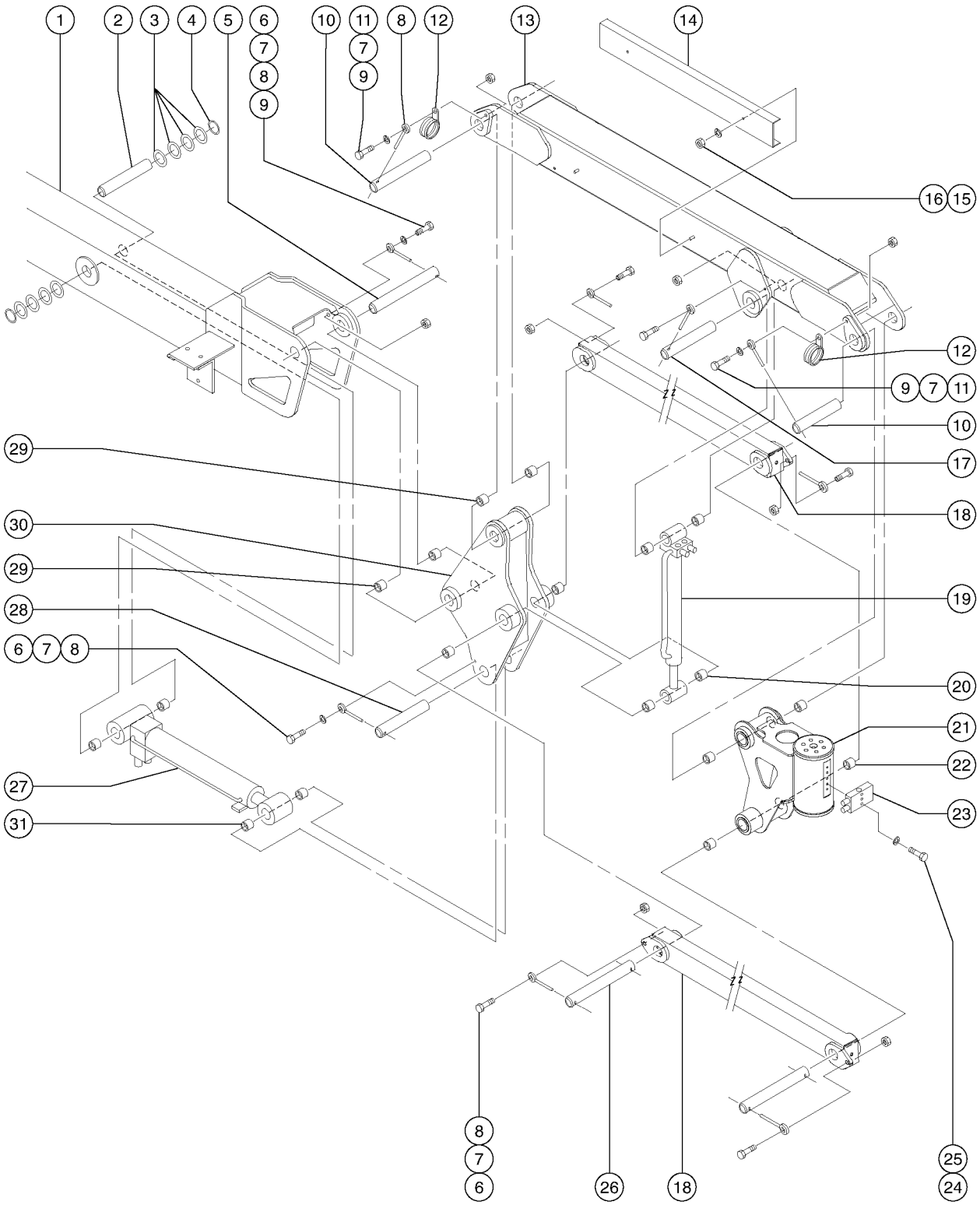
609.1 Platform Leveling and Rotation - View 1 - Jib Models



609.1 Platform Leveling and Rotation - View 1 - Jib Models

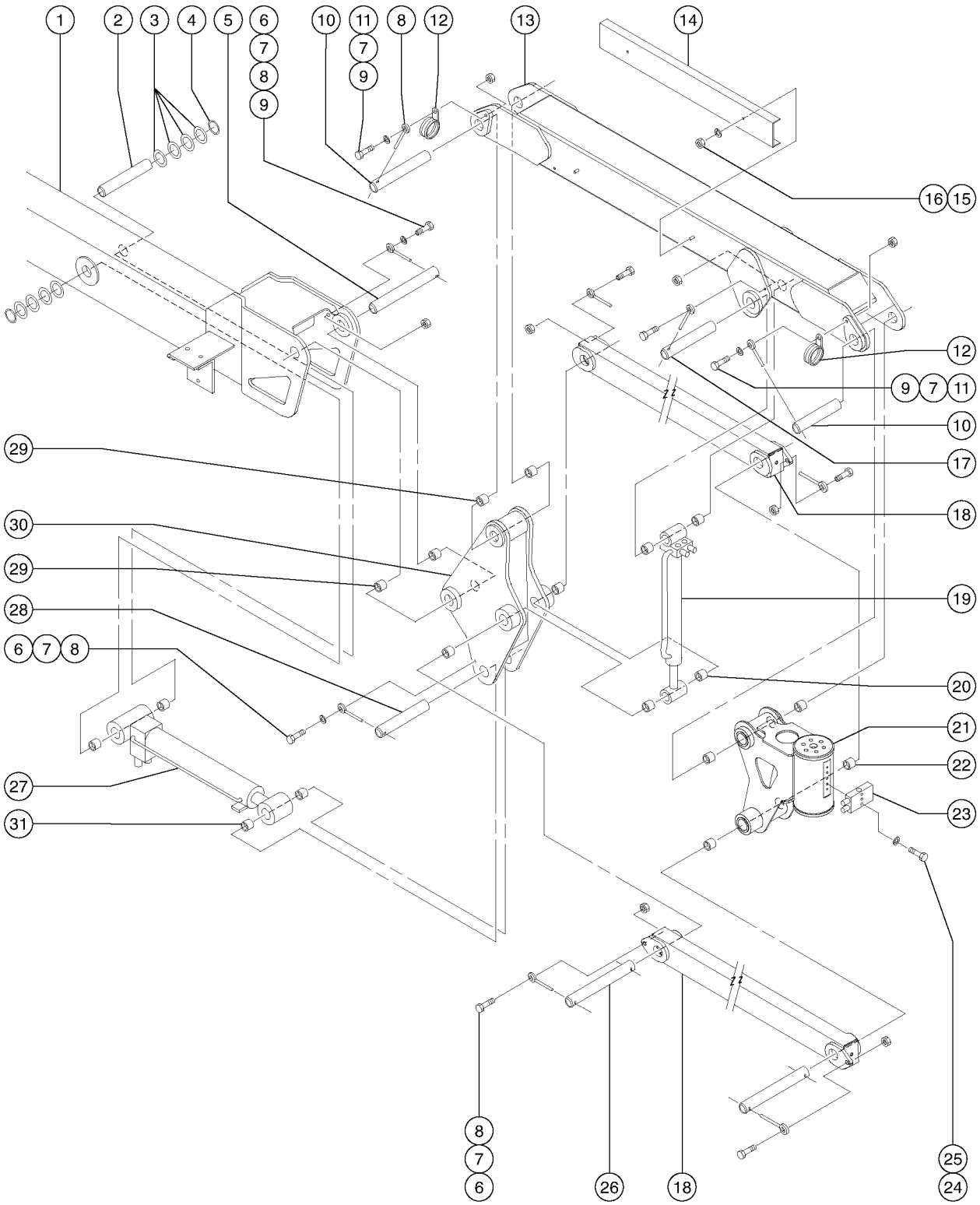
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1		Ref. Primary and Extension Booms (refer to Figure 6-E)	
2	50546GT	PIN,1.25DIAX6.36LG,2RING	1
3	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	8
4	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	2
5	50543GT	PIN,1.25DIAX8.88LG,1HOLE	2
6	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	7
7	5397GT	WASHER, FLAT, USS, 5/16-18	2
8	825019GT	ROD END, .375X3.69, ZAG	9
9	4828GT	NUT, NYLOCK, 3/8-16	9
10	T107883GT	PIN,1.25DIAX7.88LG,1HOLE	2
11	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
12	27497GT	CLAMP,RUBBER CUSHIONED-2 5/32	2
13		SERVICE KIT, 5FT JIB refer to section 613.1 for jib detail	1
14	54527-SGT	CABLE COVER,JIB***	1
15	6091GT	NUT,NYLOCK,1/4-20	2
16	6638GT	WASHER, FLAT, USS, 1/4"Y	2
17	T107884GT	PIN,1.25DIAX7.00LG,1HOLE	1
18	61306-SGT	COMPR.LINK,MACHINED,GND CONTR*	2
19A	54994GT	CYLINDER,JIB,Z45,#4 PORTS*** includes index number 20; to SN 17697	1
19A-	52757GT	SEAL KIT,50699,50260,50321 CYL for 50699, 50260, 50321	1
19A-	65789GT	SEAL KIT (54994) for 54568, 54994	1
19A-	50480GT	VALVE,COUNTERBALANCE,3800 PSI*	1
19B	54994GT	CYLINDER,JIB,Z45,#4 PORTS*** includes index number 20; from SN 17698	1
19B-	65789GT	SEAL KIT (54994) for 54994	1
19B-	147283GT	SEAL KIT,147259 for 147259	
19B-	50480GT	VALVE,COUNTERBALANCE,3800 PSI*	1

609.1 Platform Leveling and Rotation - View 1 - Jib Models



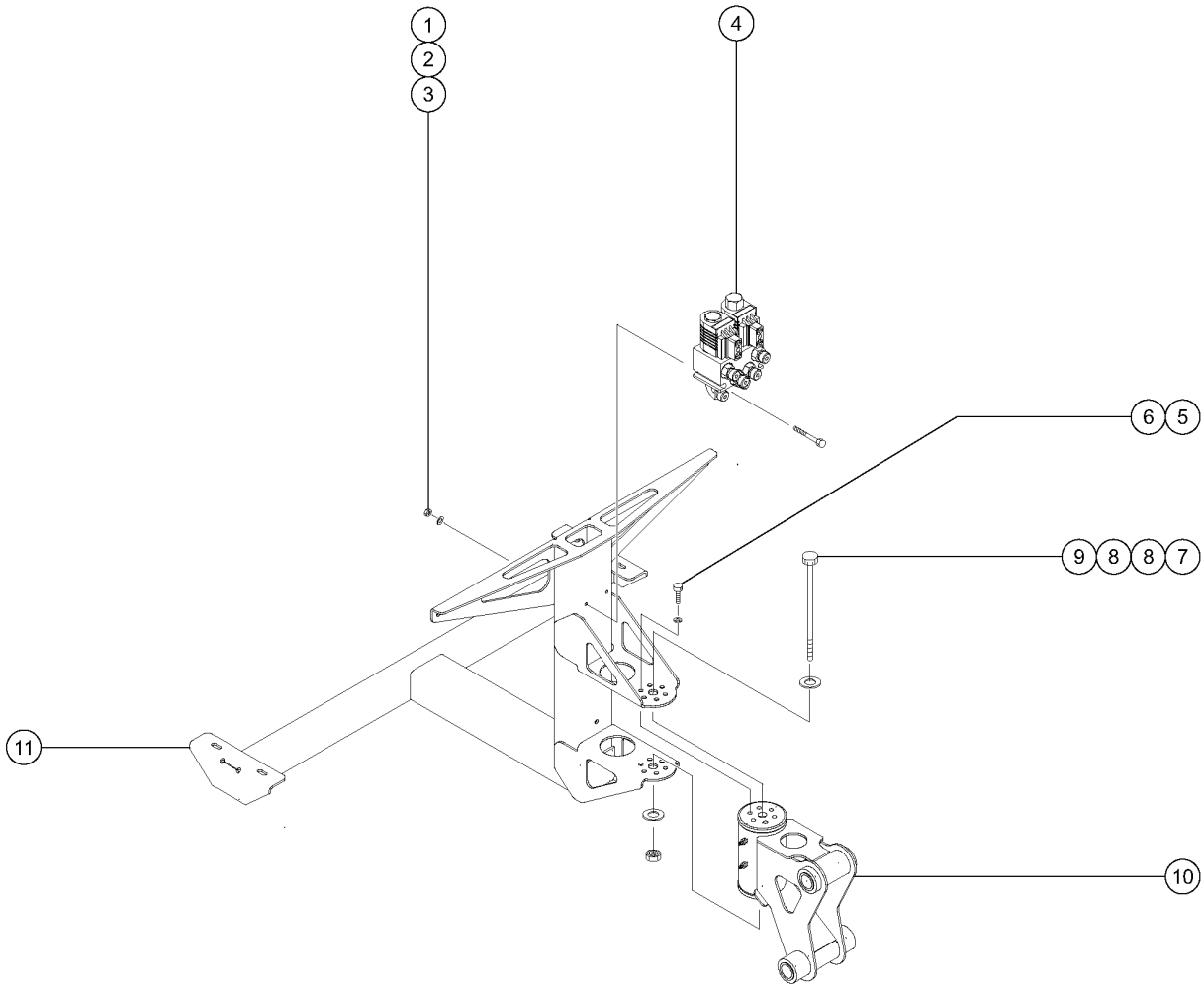
Item	Part No.	Description	Qty.
19B-	43018GT	SEAL KIT (39345) for 50480	
20	25683GT	BEARING,POLYGON,20DU12	4
21A	50676GT	ROTATOR,PLAT,JIB,Z45/25J*** includes index number 22; to SN 16934 (limited inventory; component no longer available)	1
21A-	65842GT	SEAL KIT,UNIVERSAL,9K ROTATOR*	1
21A-	13852GT	VALVE ASSY,BLEED***	1
21A-	31498GT	BEARING KIT,ROTATOR,9K***	1
21B	233715GT	ROTATOR,PLAT,Z45J/Z51J includes 2 each of index number 7; from SN 16935	1
21B-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR for rotator 233715	1
21B-	62509GT	SEAL KIT,ROTATOR*** (for rotator PN 54368, no longer available)	
21B-	147369GT	SEAL AND BRG KIT,4.5K ROTATOR* (for rotator PN 94401, no longer available)	
21B-	13852GT	VALVE ASSY,BLEED***	1
21B-	83042GT	BEARING KIT,ROTATOR,4.5K***	1
22	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L	4
23	43166GT	MANIFOLD,ASSY DUAL CNTRBAL. to SN 15944	1
23	62507GT	O-RING, ROTATOR MANIFOLD	1
23	43018GT	SEAL KIT (39345)	1
23	39345GT	VALVE,COUNTERBAL.CBCA-LHN@3000	1
23	56929GT	MANIFOLD,ROTATOR,180 DEG.*** from SN 15945 to SN 19756	1
23	62507GT	O-RING, ROTATOR MANIFOLD	1
23	43018GT	SEAL KIT (39345)	1
23	62506GT	VALVE - COUNTERBALANCE**	1
23	73807GT	MANIFOLD,ROTATOR,CB*** from SN 19757	1
23	62507GT	O-RING, ROTATOR MANIFOLD	1
23	43018GT	SEAL KIT (39345)	1
23	62506GT	VALVE - COUNTERBALANCE**	1
24	8915GT	SCREW, HHC, 1/4-20 X 1.25	3
25	6356GT	WASHER, LOCK, .25	3
26	81175GT	PIN,1.25DIAX14.45LG,2HOLE	2

609.1 Platform Leveling and Rotation - View 1 - Jib Models



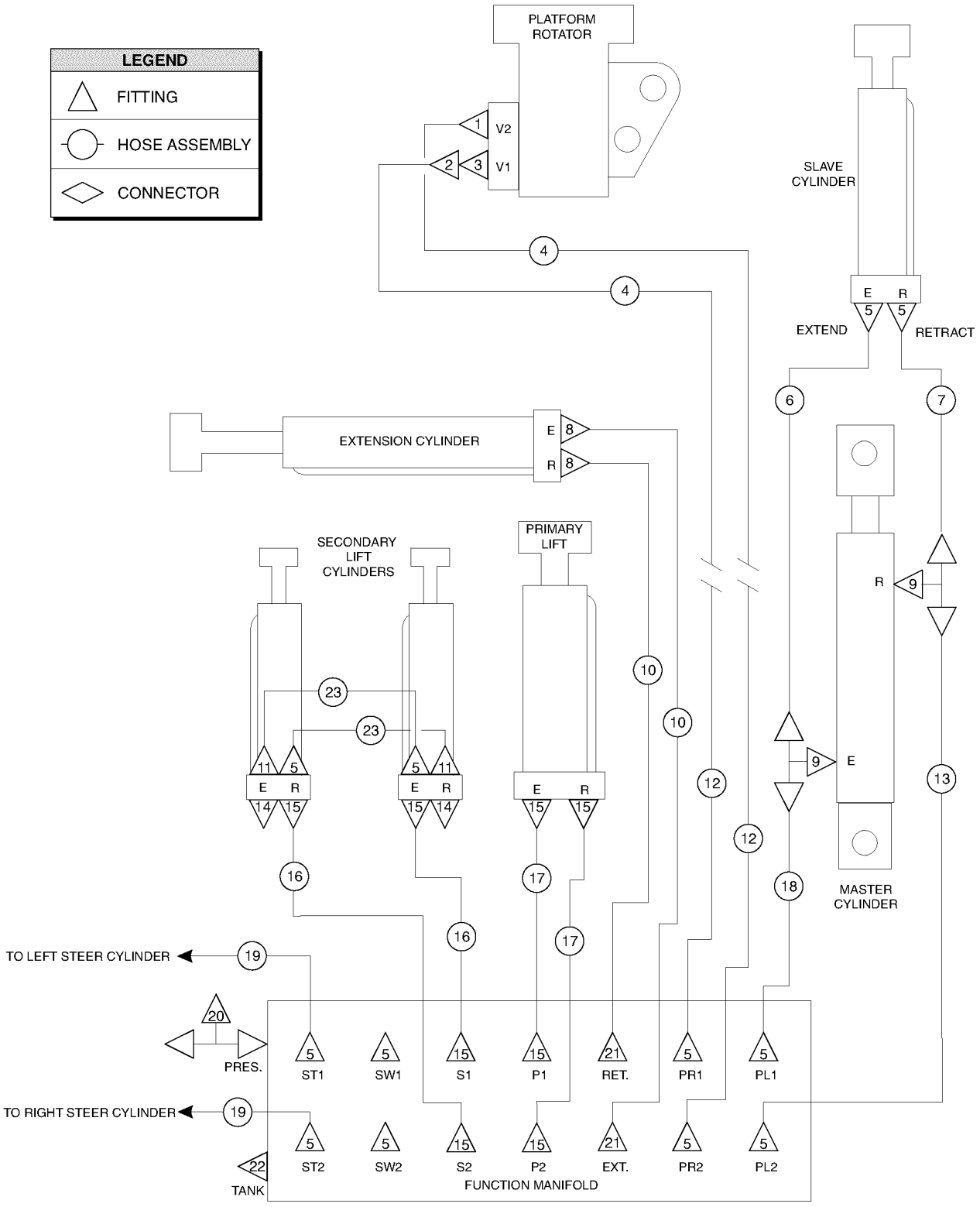
Item	Part No.	Description	Qty.
27	139599GT	KIT,CYLINDER REPLACEMENT,Z-45* upgrade service kit required for first-time replacement (includes item 31 and both the master and slave cylinders); after first-time replacement, refer to 77363 below; to SN 19867	1
27	52745GT	SEAL KIT,50337,50353 CYLINDER	1
27	54065GT	VALVE,COUNTERBALANCE,3500***	1
27	77363GT	CYLINDER,LEVELING,BELLCRANK,Z-45 includes index number 31; from SN 19868	1
27	77364GT	SEAL KIT, LEVELING CYLINDER	1
27	54065GT	VALVE,COUNTERBALANCE,3500***	1
28	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
29	34245GT	BEARING,1.25IDX1.50X1.25L	6
30	50466-SGT	BELLCRANK,JIB,WELD/Z45/25*** includes index number 29	1
31	47377GT	BEARING,1.25 ID X 1.5 OD X .75 to SN 19867	4
31	25683GT	BEARING,POLYGON,20DU12 from SN 19868	4

610.1 Platform Leveling and Rotation - View 2 - Jib Models



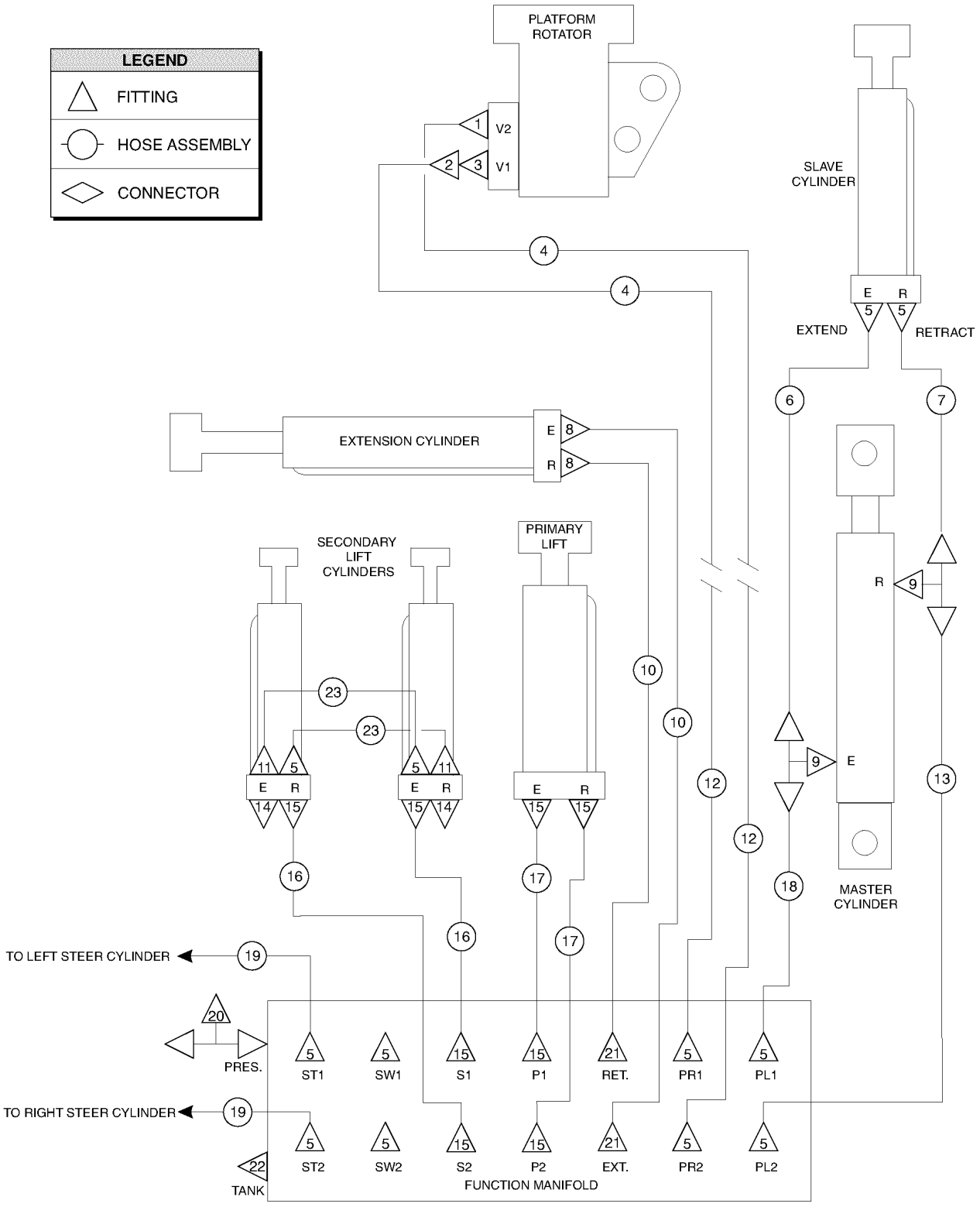
Item	Part No.	Description	Qty.
1	6091GT	NUT,NYLOCK,1/4-20 from SN 19757	2
2	6638GT	WASHER, FLAT, USS, 1/4"Y from SN 19757	2
3	36294GT	SCREW,HHC,1/4-20 X 2.75 from SN 19757	2
4A	54701GT	MANIFOLD,JIB,ROTATE 10V,W/FITT to SN 16934	1
4B	77008GT	MANIFOLD,JIB,ROTATE 10V,W/FITT from SN 16935 to 19756	1
4C	77250GT	MANIFOLD,JIB,ROTATE 10V,W/FIT* from SN 19757	1
4C-	83005GT	VALVE, SOLENOID (73616)-SHORT from SN 19757	1
4C-	83006GT	VALVE, SOLENOID (73616)-LONG** from SN 19757	1
4C-	81043GT	COIL,SOLENOID,8 DSD 10V,W/DIO* from SN 19757	1
4C-	45912GT	NUT,SOLENOID VALVE 2P3W from SN 19757	1
4C-	52943GT	NUT, SOLENOID VALVE COIL from SN 19757	1
5	77692GT	SCREW,HHC,3/8-16 X 1 GRD 8 from SN 19757	6
6	6021GT	WASHER, LOCK, .375 from SN 19757	6
7	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE from SN 19757	1
8	33278GT	WASHER, FLAT, .75 HARDENED from SN 19757	2
9	77051GT	NUT,NYLOCK,3/4-10,GRD.8 from SN 19757	1
10A	50676GT	ROTATOR,PLAT,JIB,Z45/25J*** includes index number 22; to SN 16934 (limited inventory; component no longer available)	1
10A-	65542GT	FILTER, ELEMENT/FUEL PERKINS**	1
10A-	13852GT	VALVE ASSY,BLEED***	1
10A-	31498GT	BEARING KIT,ROTATOR,9K***	1
10B	233715GT	ROTATOR,PLAT,Z45J/Z51J includes 2 each of index number 7; from SN 16935	1
10B-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR for rotator 233715	1
10B-	62509GT	SEAL KIT,ROTATOR*** (for rotator PN 54368, no longer available)	
10B-	147369GT	SEAL AND BRG KIT,4.5K ROTATOR* (for rotator PN 94401, no longer available)	
10B-	13852GT	VALVE ASSY,BLEED***	1
10B-	83042GT	BEARING KIT,ROTATOR,4.5K***	1
11	54510-SGT	WELDMENT,PLATFORM SUPPORT from SN 19757	1

611.1 Hydraulic Hoses and Fittings - Non-Jib Models



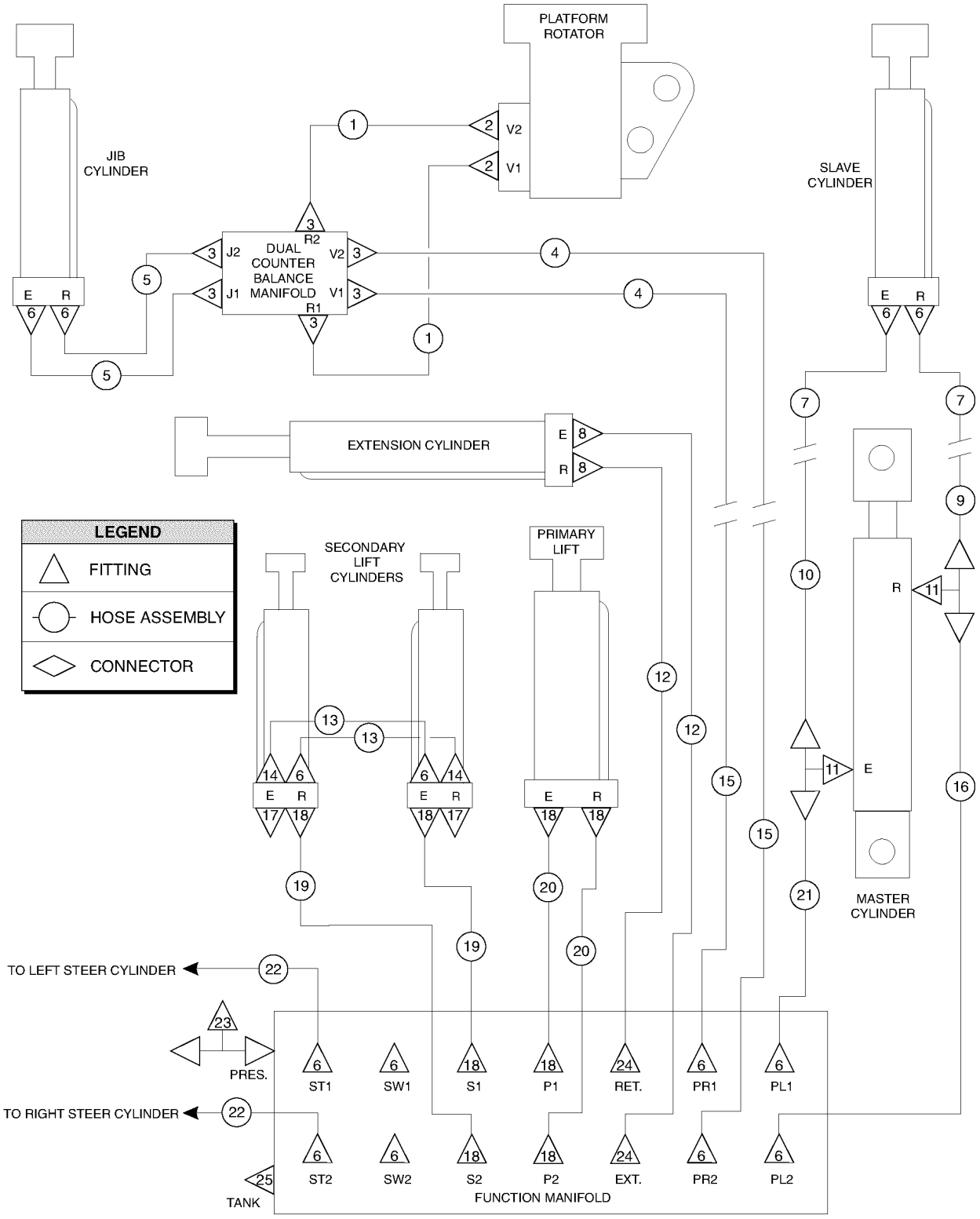
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	48907GT	ELBOW,45D,520320-4	1
2	54132GT	ELBOW,SWIVEL 90D, 520221-4	1
3	48904GT	ELBOW, 90D, 520220-4	2
4	49121-25688GT	HOSE ASSY 1/4,STR FEM,STR MALE	2
5	48912GT	CONN,520120-4-6***	12
6	49119-26478GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
7	49119-27978GT	HOSE ASSY,1/4,STR FEM,STR FEMM	1
8	48917GT	CONN,LONG,520122-6	2
9	48890GT	FITTING,TEE,BRANCH,520429-4***	2
10	49105-35682-SGT	HOSE ASSY,3/8"100R2,FEM/FEM*** to SN 14337	2
10	54740-35684-SGT	HOSE ASSY,1/4"100R1,STR F,STRF from SN 14338 to SN 19714	2
10	49120-35381GT	HOSE ASSY 1/4, STR FEM,STR FEM from SN 19715	2
11	48918GT	TEE,RUN,520428-6	2
11	83020GT	COUPLER,090136, 4-6 adapter fitting as needed	
12	49119-39378GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
13	49119-36178GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
14	48923GT	PLUG,090109A-6	2
15	48916GT	CONN, 520120-6	8
16	49120-16181GT	HOSE ASSY,FMANIF/SECONDARYCYL. to SN 19714	2
16	49119-16178GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 19715	2
17	54740-38584GT	HOSE ASSY,P1&P2/PRIMARY CYL. to SN 19886	2
17	49119-38578GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 19887	2
18	49119-37678GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
19	49117-14391GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
20	48935GT	TEE,RUN, 520428-8	1
21	48930GT	CONN,520120-6-8	2

611.1 Hydraulic Hoses and Fittings - Non-Jib Models



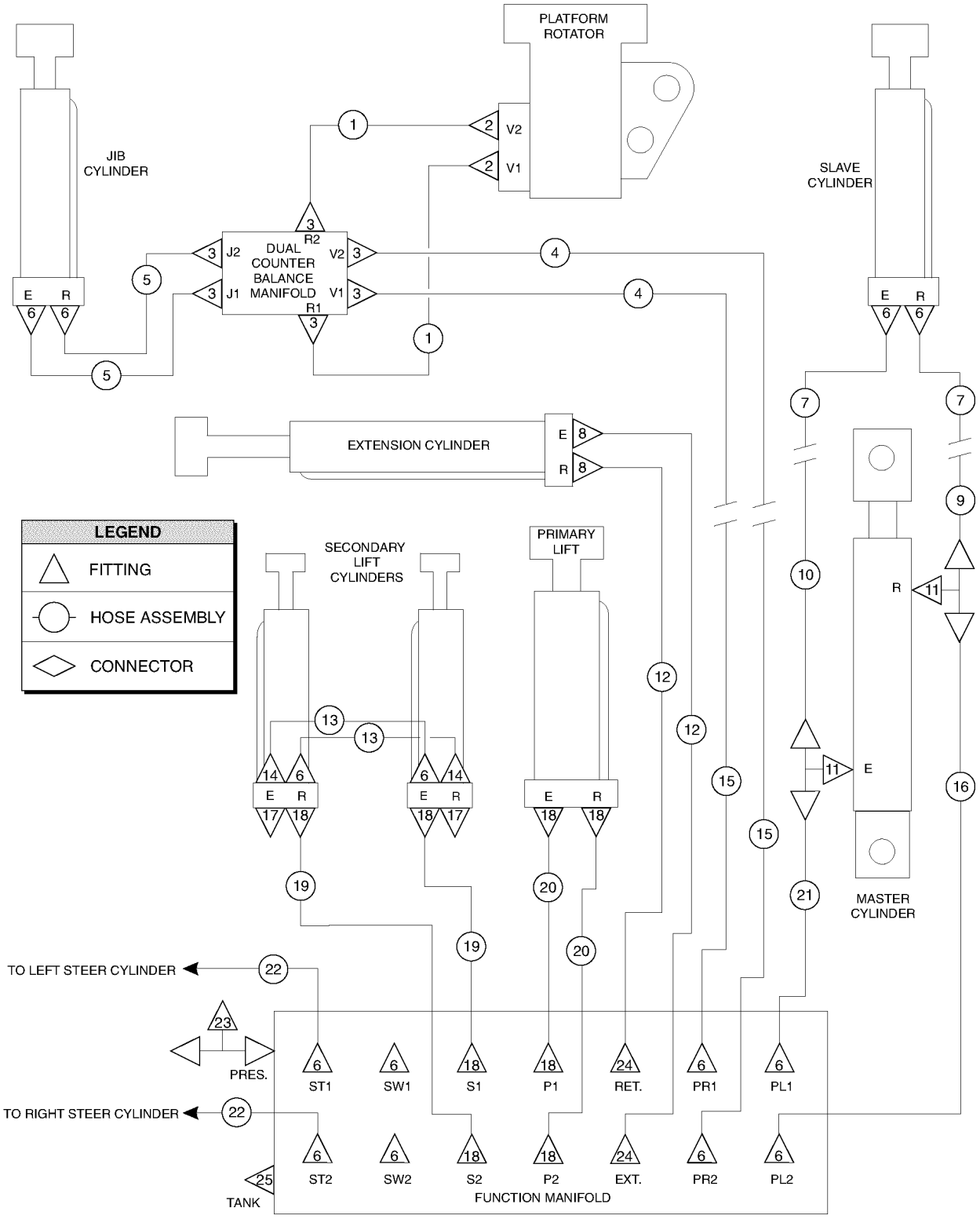
Item	Part No.	Description	Qty.
22	48933GT	CONN,520120-8***	1
23	49119-1278GT	HOSE ASSY,1/4,STR FEM,STR FEM to SN 18770	2
23	49119-2278GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 18771	2

612.1 Hydraulic Hoses and Fittings - Jib Models



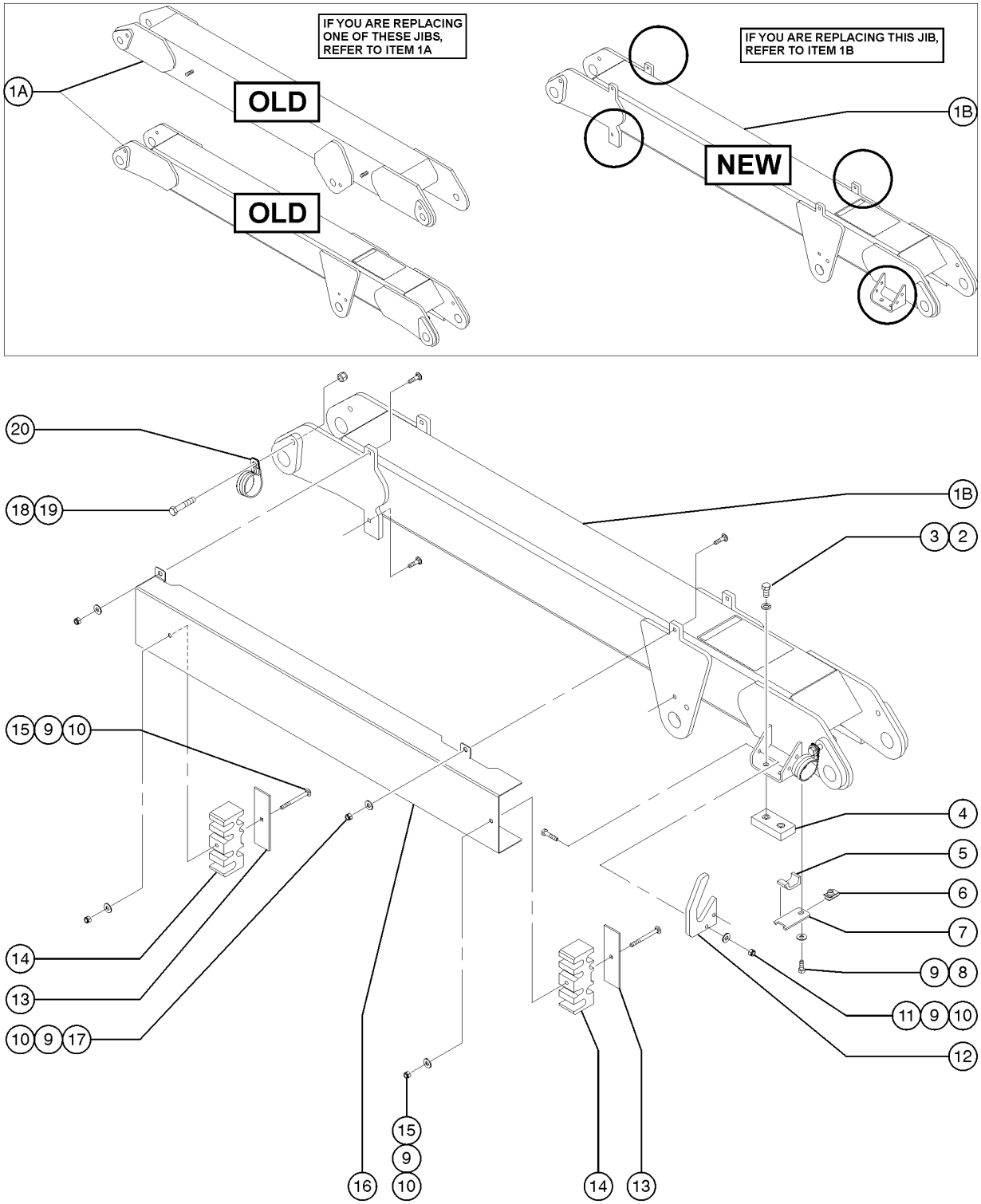
Item	Part No.	Description	Qty.
	49613GT	PLUG AND CAP KIT-SERVICE,ORFS*	
	49612GT	O-RING KIT (ORFS FITTINGS)	
1	49117-10191GT	HOSE ASSY,1/4,90 FEM,STR FEM to SN 19756	2
1	49119-2078GT	HOSE ASSY,1/4,STR FEM,STR FEM* from SN 19757	2
2	48904GT	ELBOW, 90D, 520220-4	2
3	48905GT	CONNECTOR, 520120-4	6
4	49121-18588GT	HOSE ASSY,D.CB MAN/F.MAN.JUNCT to SN 19756	2
4	49121-27788GT	HOSE ASSY 1/4,STR FEM,STR MALE from SN 19757	2
5	49117-9091GT	HOSE ASSY,1/4,90 FEM,STR FEM to SN 19756	2
5	49119-3778GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 19757	2
6	48912GT	CONN,520120-4-6***	14
7	49121-2088GT	HOSE ASSY 1/4,STR FEM,STR MALE	2
8	48917GT	CONN,LONG,520122-6	2
9	49120-23481GT	HOSE ASSY,SLAVE/MASTER CYL "R" to SN 17347	1
9	49119-23478GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 17348	1
10	49120-21981GT	HOSE ASSY,SLAVE/MASTER CYL "E" to SN 17347	1
10	49119-21978GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 17348	1
11	48919GT	TEE,BRANCH,520429-6	2
12	54740-35384GT	HOSE ASSY,F.MANIFOLD/EXT.CYL to SN 19714	2
12	49120-35381GT	HOSE ASSY 1/4, STR FEM,STR FEM from SN 19715	2
13	49119-1278GT	HOSE ASSY,1/4,STR FEM,STR FEM to SN 18770	2
13	49119-2278GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 18771	2
14	48918GT	TEE,RUN,520428-6	2
15	49119-39378GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
16	54077-36981-SGT	HOSE ASSY,1/4",100R1,FEM/FEM** SAE-4 one end; SAE-6 opposite end	1
16	49119-36178GT	HOSE ASSY,1/4,STR FEM,STR FEM SAE-4 both ends	1
17	48923GT	PLUG,090109A-6	2
18	48916GT	CONN, 520120-6	8

612.1 Hydraulic Hoses and Fittings - Jib Models



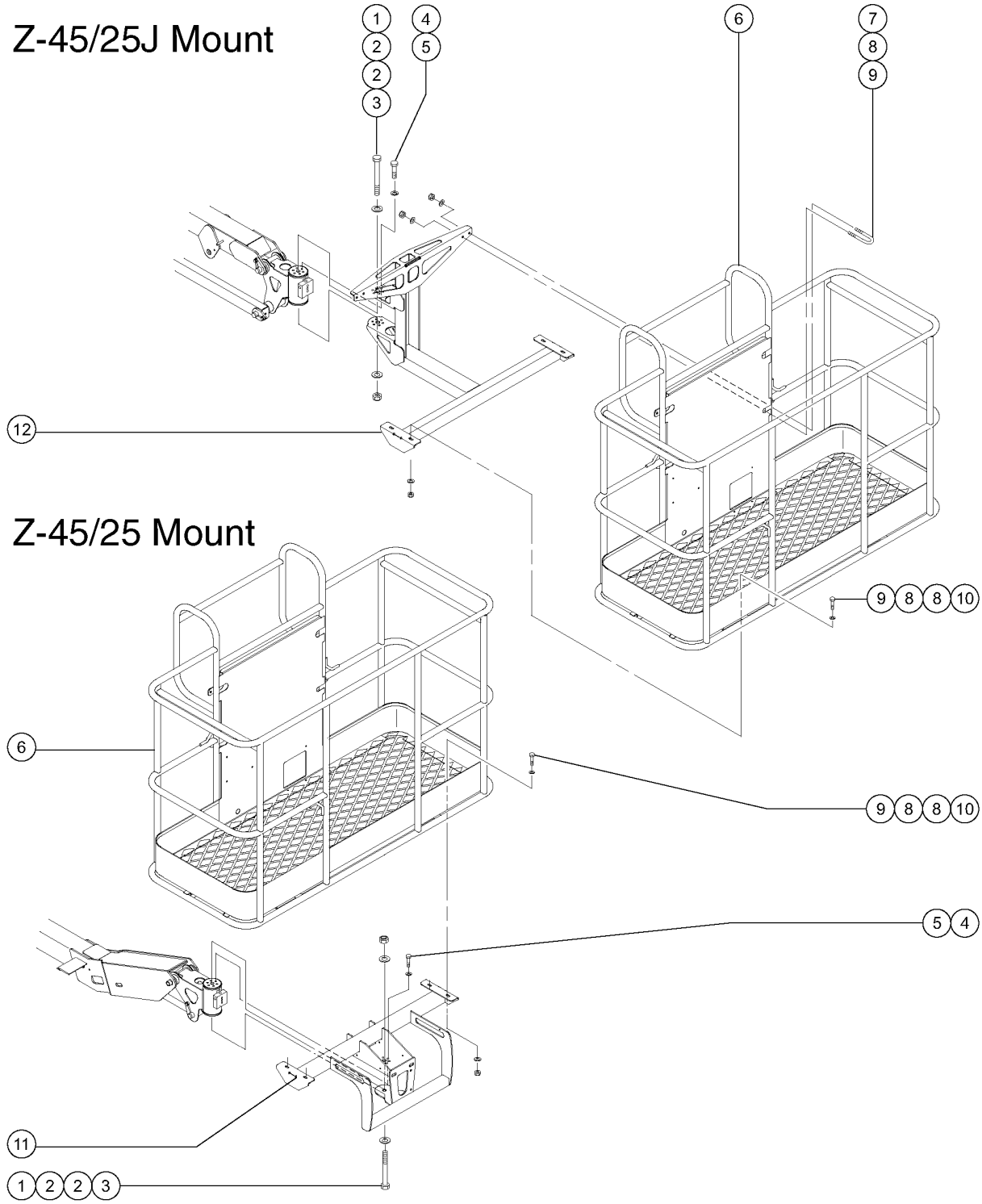
Item	Part No.	Description	Qty.
19	49120-16181GT	HOSE ASSY,FMANIF/SECONDARYCYL. to SN 19714	2
19	49119-16178GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 19715	2
20	54740-38584GT	HOSE ASSY,P1&P2/PRIMARY CYL. to SN 19886	2
20	49119-38578GT	HOSE ASSY,1/4,STR FEM,STR FEM from SN 19887	2
21	54077-38481-SGT	HOSE ASSY,1/4",100R1,FEM/FEM** SAE-4 one end; SAE-6 opposite end	1
21	49119-37678GT	HOSE ASSY,1/4,STR FEM,STR FEM SAE-4 both ends	1
22	49117-14391GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
23	48935GT	TEE,RUN, 520428-8	1
24	48930GT	CONN,520120-6-8	2
25	48933GT	CONN,520120-8***	1

613.1 Jib Detail

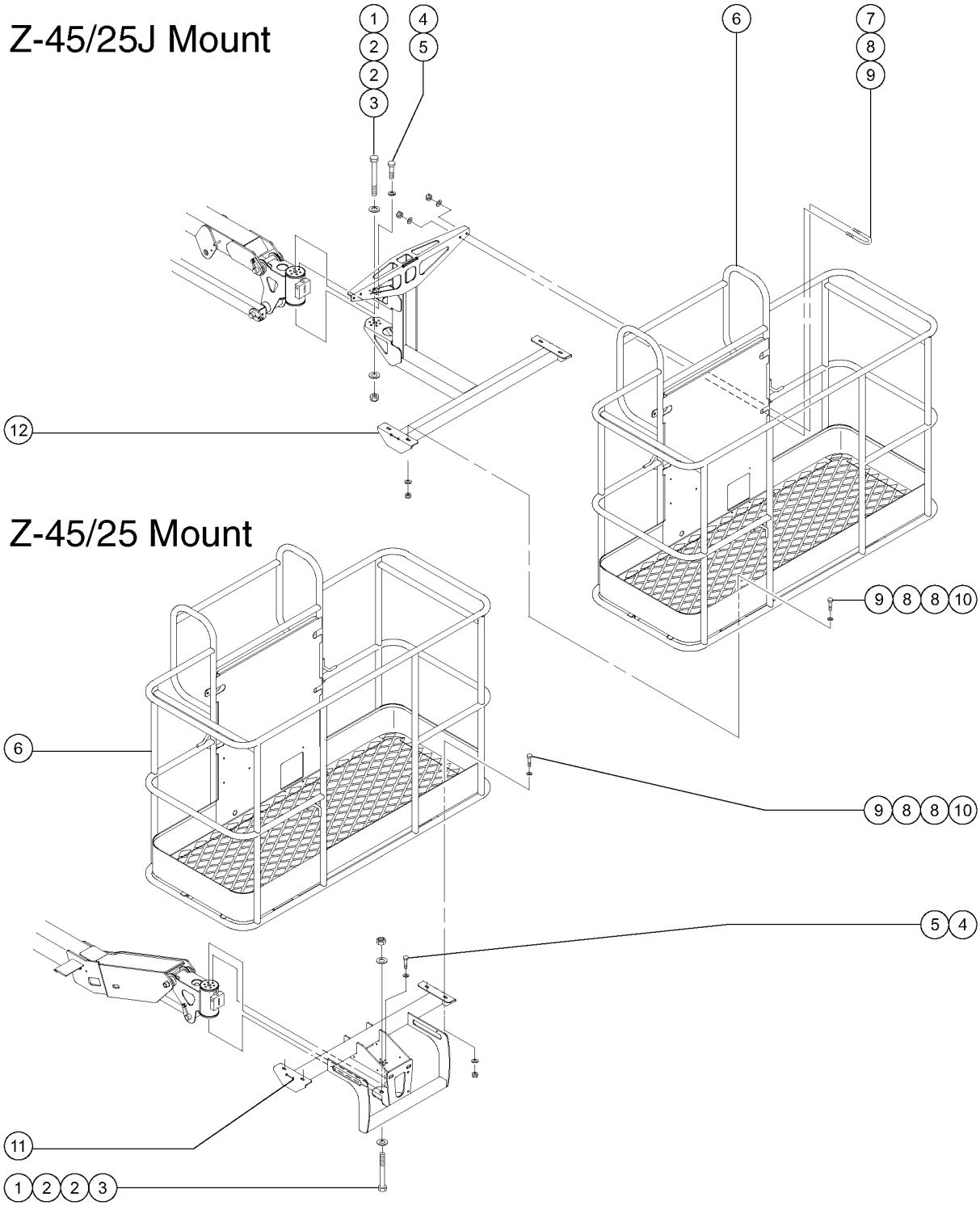


613.1 Jib Detail

Item	Part No.	Description	Qty.
1A	128513GT	SERVICE KIT,5FT JIB required for first time replacement (includes part number 128534)	
1B	128534GT	JIB BOOM ASSY W/WORD DECAL use ONLY if service kit 128513 has been installed on the machine	1
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	128510GT	CLAMP,JIB HOSE/CABLE,Z45/51	2
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	4828GT	NUT, NYLOCK, 3/8-16	
20	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	2

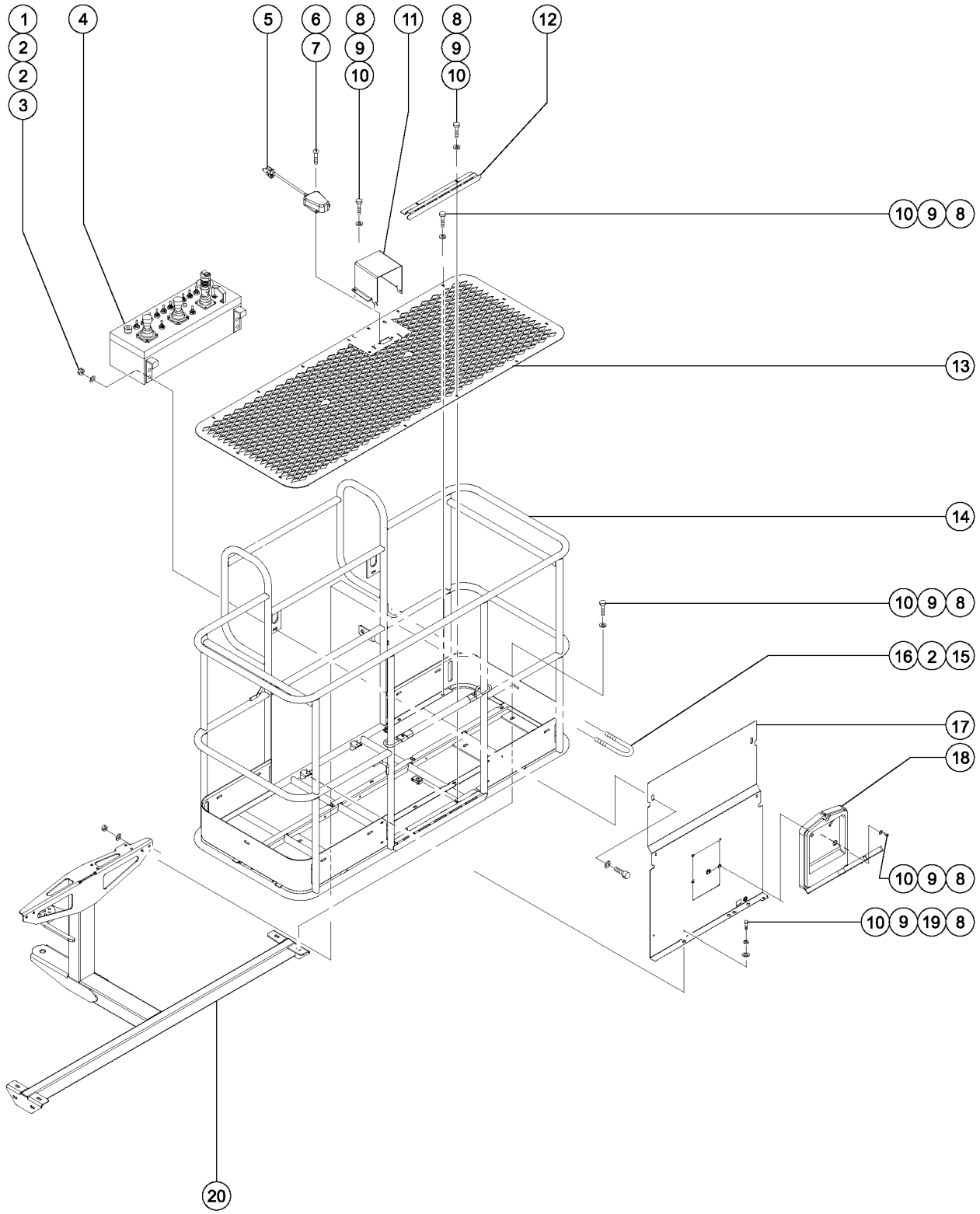

Z-45/25J Mount
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Z-45/25 Mount
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Item	Part No.	Description	Qty.
1	30286GT	SCREW,HHC,1-8 X 12IN GRD.2*** to SN 16934	2
1	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE from SN 16935	2
2	122079GT	WASHER,FLAT,1.000,HARDENED to SN 16934	4
2	33278GT	WASHER, FLAT, .75 HARDENED from SN 16935	4
3	29764GT	NUT,NYLOCK,1-8 to SN 16934	2
3	77051GT	NUT,NYLOCK,3/4-10,GRD.8 from SN 16935	12
4	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5 to SN 16934	12
4	77692GT	SCREW,HHC,3/8-16 X 1 GRD 8 from SN 16935	12
5	6033GT	WASHER,LOCK,0.5" to SN 16934	12
5	6021GT	WASHER, LOCK, .375 from SN 16935	12
6		Ref. Platform Assembly (refer to Figure 7-B or 7-B.1)	12
7	122755GT	UBOLT,FLATTENED,1.5DIAX3/8 UNC	2
8	5397GT	WASHER, FLAT, USS, 5/16-18	4
9	4828GT	NUT, NYLOCK, 3/8-16	12
10	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
11	52743-SGT	PLAT SUPPORT ASSY,NON-JIB*** to SN 16961; non-jib models	1
11-	54520-SGT	WELDMNT,PLATFRM SUPPORT,NJIB** from SN 16962; non-jib models	1


Z-45/25J Mount
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Z-45/25 Mount
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Item	Part No.	Description	Qty.
1	30286GT	SCREW,HHC,1-8 X 12IN GRD.2*** to SN 16934	2
1	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE from SN 16935	2
2	122079GT	WASHER,FLAT,1.000,HARDENED to SN 16934	4
2	33278GT	WASHER, FLAT, .75 HARDENED from SN 16935	4
3	29764GT	NUT,NYLOCK,1-8 to SN 16934	2
3	77051GT	NUT,NYLOCK,3/4-10,GRD.8 from SN 16935	12
4	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5 to SN 16934	12
4	77692GT	SCREW,HHC,3/8-16 X 1 GRD 8 from SN 16935	12
5	6033GT	WASHER,LOCK,0.5" to SN 16934	12
5	6021GT	WASHER, LOCK, .375 from SN 16935	12
6		Ref. Platform Assembly (refer to 702.1)	1
7	122755GT	UBOLT,FLATTENED,1.5DIAX3/8 UNC	2
8	5397GT	WASHER, FLAT, USS, 5/16-18	4
9	4828GT	NUT, NYLOCK, 3/8-16	12
10	8516GT	SCREW, HCC, 3/8-16 X 1.50	8
12	50293GT	PLATFORM SUPP WDMT 45.12" to SN 16934	1
12	54510-SGT	WELDMENT,PLATFORM SUPPORT from SN 16935	1

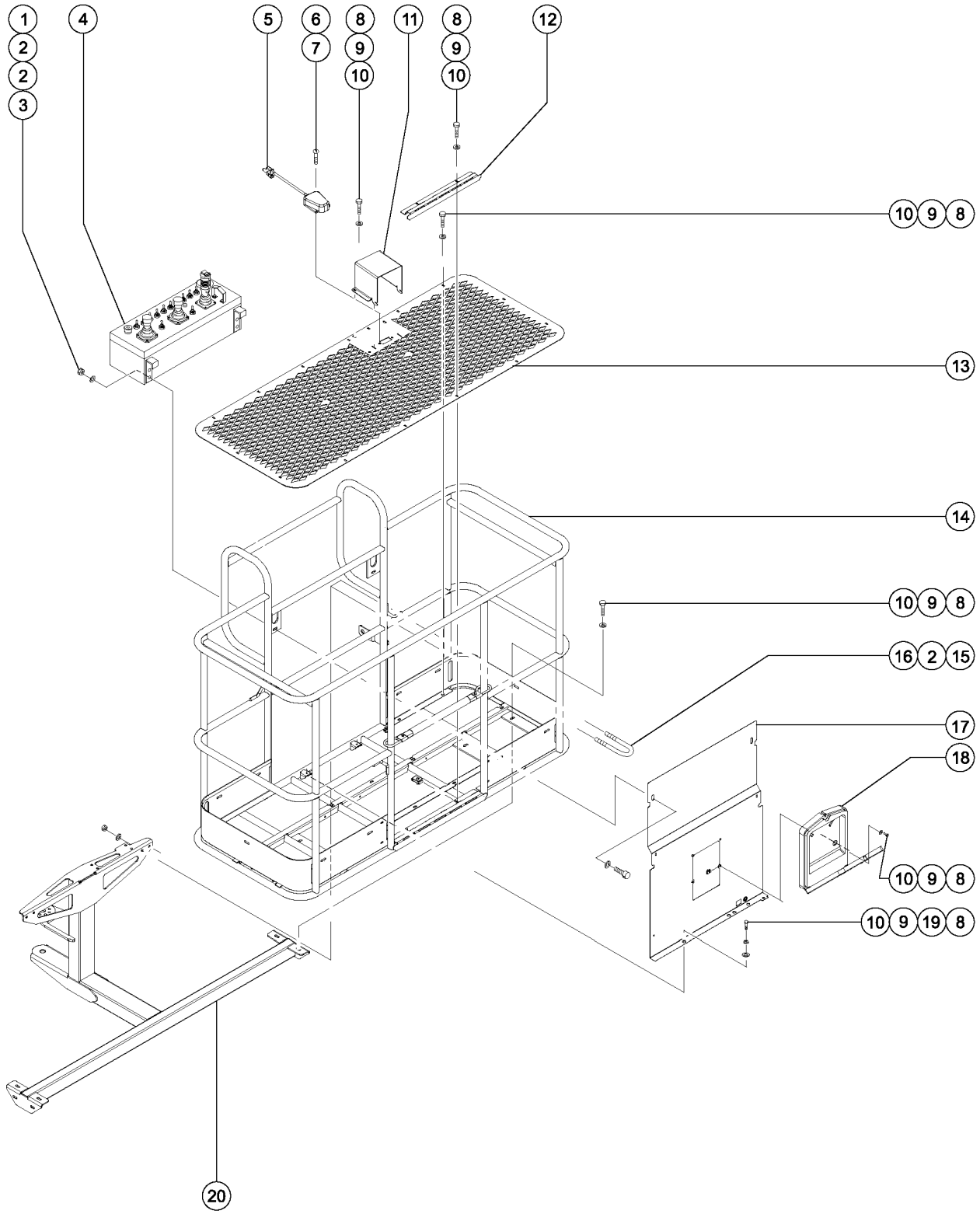
702.1 Platform



702.1 Platform

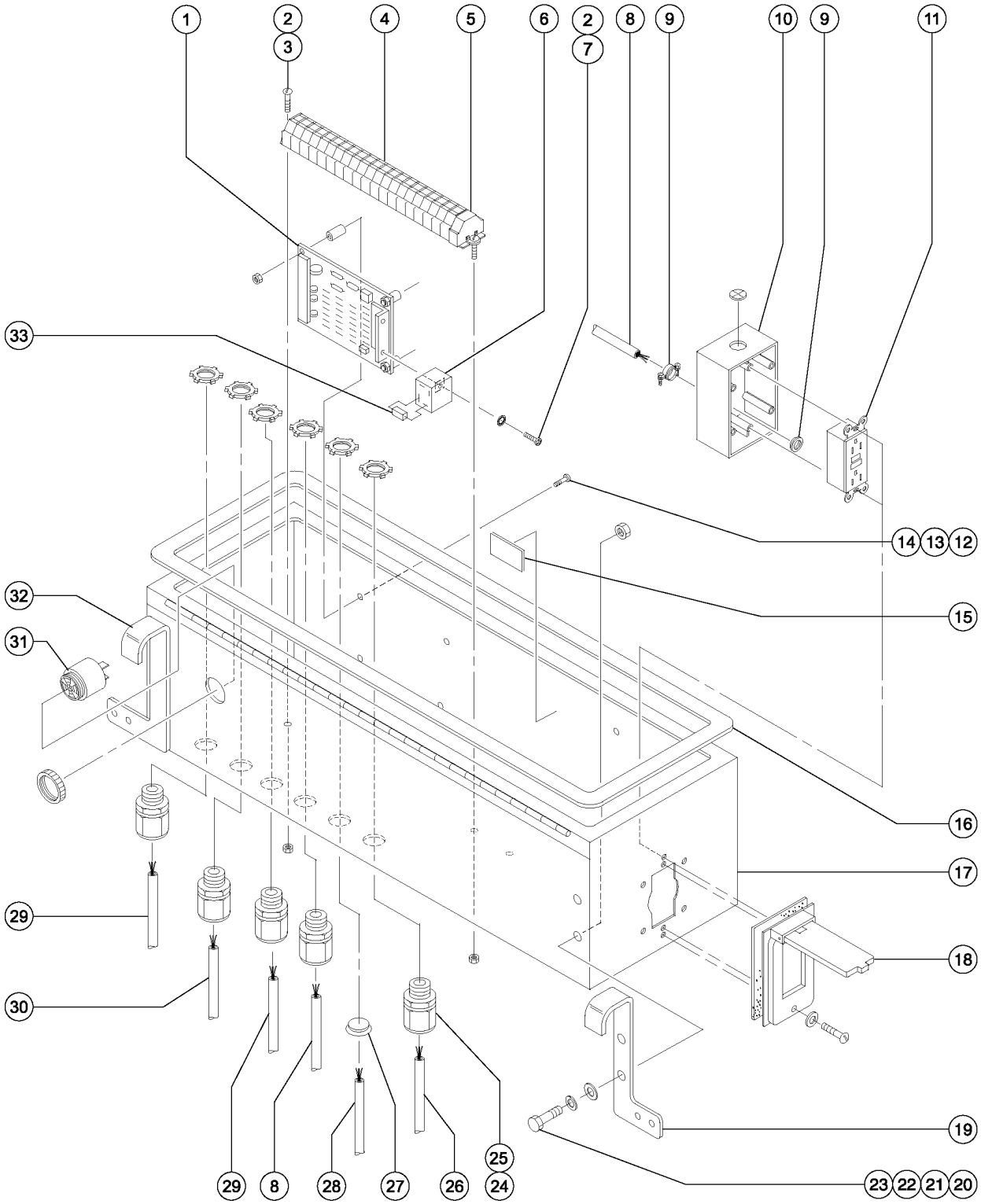
Item	Part No.	Description	Qty.
1	7713GT	NUT, LP NYLOCK, 3/8-16	4
2	5397GT	WASHER, FLAT, USS, 5/16-18	20
3	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	8
4		Ref. Platform Controls (refer to 703.1 or 704.1) (refer to 703.1 or 704.1)	8
5	73233GT	ASSEMBLY,FOOT SWITCH***	1
5-	60428GT	CONN, PLUG 4WAY, 14-18GA	1
5-	73739GT	BOOT,PLUG 4 WAY	1
5-	43960GT	WIRE CABLE,16/4 CON.TPE JKT	61
5-	20262GT	MICROSWITCH,13482 FOOTSWITCH	1
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 (for single entry)	1
14	52750-SGT	PLAT.ASSY,6FT,Z45/25,ANSI/CSA	1
14	52751-SGT	PLAT.ASSY,6FT,Z45/25, CE	1
14-	102992GT	SLIDING MIDRAIL KIT,PTD	1
14-	60922GT	OPTION,EURO TOEBOARD	1
14-	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	1
14-	53517GT	GROMMET,RUBBER .5 X .014 X .75	1
14-	6090GT	SCREW, HHC, 1/4-20 X .75	18
14-	6888GT	SCREW, HHC, 1/4-20 X 1	2
14-	54274GT	SCREW,STEP BOLT,1/4-20 X .75	2
15	122755GT	UBOLT,FLATTENED,1.5DIAX3/8 UNC	2
16	4828GT	NUT, NYLOCK, 3/8-16	8

702.1 Platform



Item	*Part No.*	*Description*	*Qty.*
17	73954PGT	Decal Plate Assembly with decals (decals are listed in Section One)	1
18	44743GT	MANUAL BOX W/DECALS***	1
19	6356GT	WASHER, LOCK, .25	3
20		Ref Weldment - Platform Mount (refer to 701.1)	3

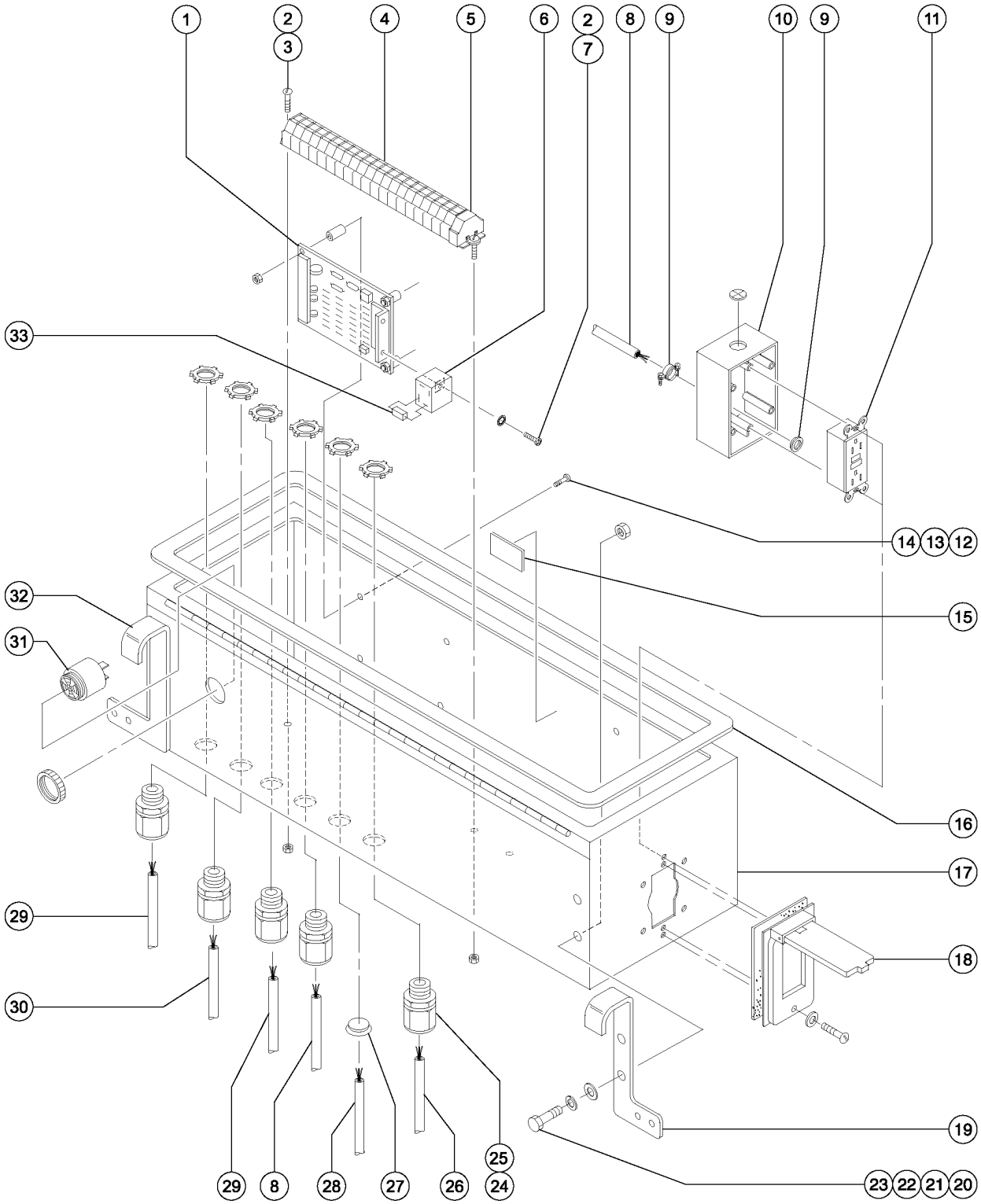
703.1 Platform Controls - View 1, Z-45/25



703.1 Platform Controls - View 1, Z-45/25

Item	Part No.	Description	Qty.
A	119867GT	WIRING KIT,JIB TIME DELAY IC	
A-	43181GT	CAPACITOR,TIME DELAY	
A-	19274GT	RELAY,SPDT,12V(AUTO)**	
1		LIMITER PC BOARD, HORSEPOWER no longer available	1
1-	39591GT	SPACER,NYLON,.375 sold separately	1
2	49820GT	SCREW,PHILLIPS,PHM,6-32 X .5	3
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	19274GT	RELAY,SPDT,12V(AUTO)** Ford models	1
7	44936GT	WASHER,STAR,EXTERNAL,#8	1
8	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	732 inches
9	6622GT	GROUND CONNECTOR,1/2"	1
10	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
10	8843GT	COVER,KNOCK OUT HOLE,4 PER BAG	1
11	13585GT	OUTLET, 110V	1
11	33629GT	PLATE,UK POWER TO PLATFORM	1
11	33724GT	KIT,GASKET,UK POWER TO PLAT	1
12	54380GT	SCREW,PHILLIPS,PHM,8-32 X .875	4
13	39591GT	SPACER,NYLON,.375	4
14	54633GT	NUT,KEPT,8-32,PLATED	4
15	30997GT	CORROSION INHIBITOR,FOAM	1
16	27115GT	GASKET,UPPER CONTROL BOX	1
17	52765-SGT	PLAT.CNTRL.BOX W/DECAL,Z45/25 includes index number 15; to SN 16867	1
17	77248GT	PLAT.CNTL.BOX,W/DECAL,Z45/25 includes index number 15; from SN 16868	1
18	45437GT	COVER,GFCI,WEATHERPROOF includes mounting fasteners	1

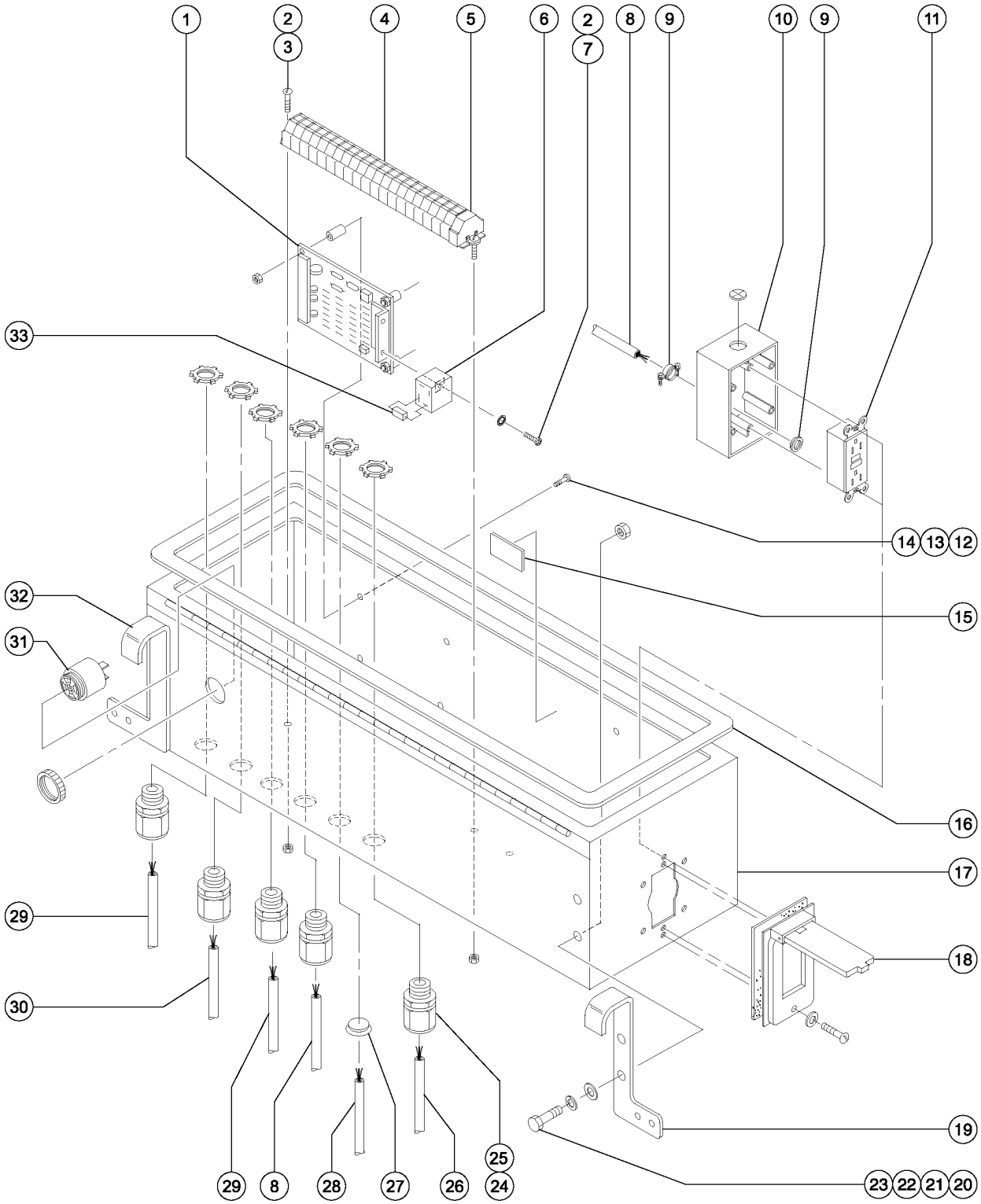
703.1 Platform Controls - View 1, Z-45/25



703.1 Platform Controls - View 1, Z-45/25

Item	Part No.	Description	Qty.
18	10777GT	COVER,BLANK	1
19	50404GT	BRACKET,CONTROL BOX MOUNT,RH%% to SN 19360	1
19	77136GT	BRACKET,CONTROL BOX MOUNT,Z45 from SN 19361	1
20	6175GT	SCREW,HHC,3/8-16 X 1	4
21	6021GT	WASHER, LOCK, .375	4
22	6097GT	WASHER, FLAT, USS, 3/8", Y	4
23	4828GT	NUT, NYLOCK, 3/8-16	4
24	7057GT	CONN. SQZ,1/2NPT .39-.56 MED.	6
25	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	6
26	43957GT	WIRE CABLE,14GA/4 CON.TPE JKT	83 inches
27	15243GT	PLUG,NYLON .875 BLACK DOMED	1
29	35934GT	WIRE CABLE,18/19 CON.TPRJKT	733 inches
30	43955GT	WIRE CABLE,12/3 CON.TPE JKT	742 inches
31	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
31-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
32	50405GT	BRACKET,CONTROL BOX MOUNT,LH%% to SN 19360	1
32	77136GT	BRACKET,CONTROL BOX MOUNT,Z45 from SN 19361	1
33	49866GT	RESISTOR,50 OHM,5 W,CERAMIC Gasoline/LPG models	1

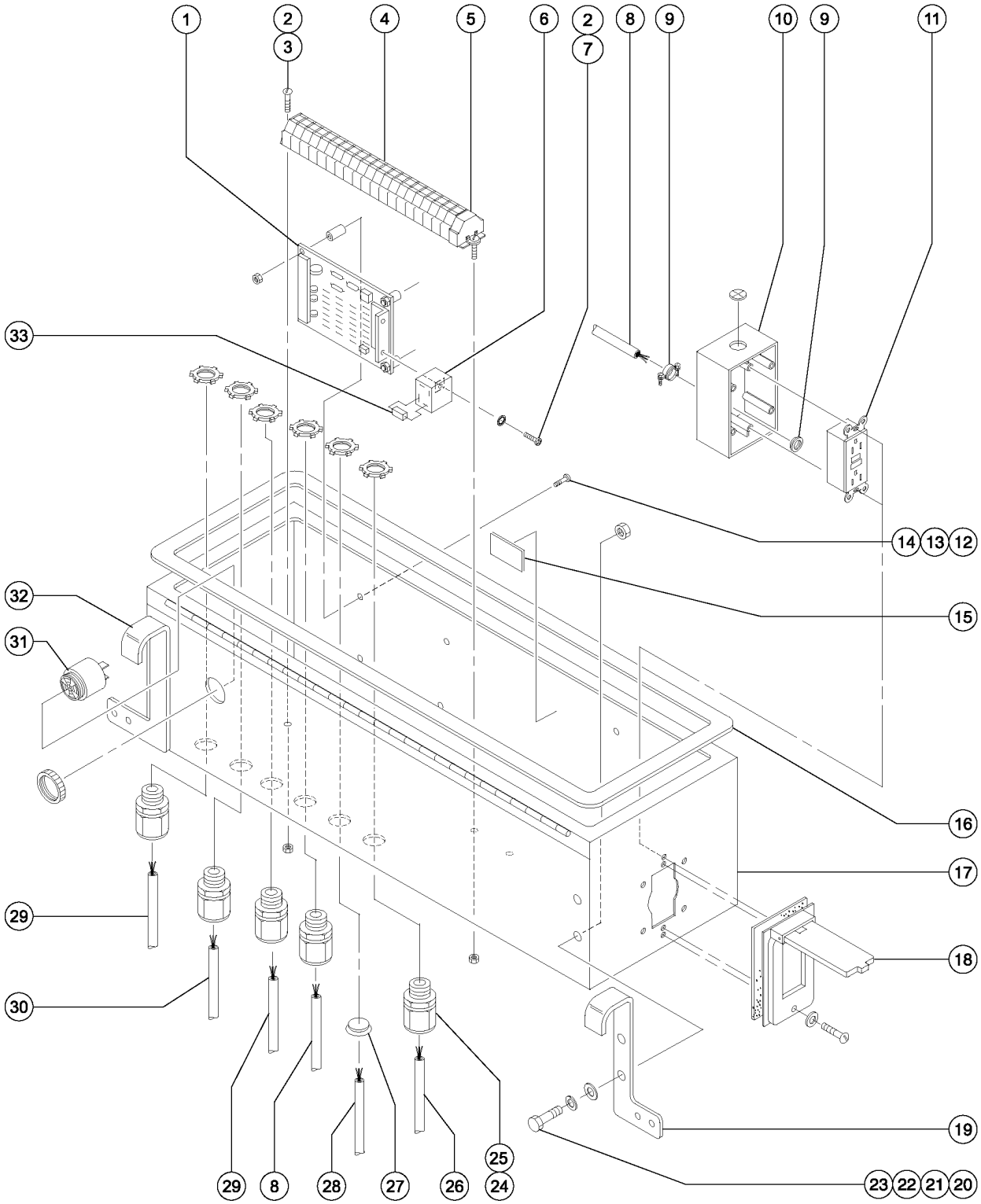
703.2 Platform Controls - View 1, Z-45/25J



703.2 Platform Controls - View 1, Z-45/25J

Item	Part No.	Description	Qty.
A	119867GT	WIRING KIT,JIB TIME DELAY IC	
A-	43181GT	CAPACITOR,TIME DELAY	
A-	19274GT	RELAY,SPDT,12V(AUTO)**	
1		LIMITER PC BOARD, HORSEPOWER no longer available	1
1-	39591GT	SPACER,NYLON,.375 sold separately	4
2	49820GT	SCREW,PHILLIPS,PHM,6-32 X .5	3
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	19274GT	RELAY,SPDT,12V(AUTO)** Ford models	1
7	44936GT	WASHER,STAR,EXTERNAL,#8	1
8	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	804 inches
9	6622GT	GROUND CONNECTOR,1/2"	1
10	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
10	8843GT	COVER,KNOCK OUT HOLE,4 PER BAG	1
11	13585GT	OUTLET, 110V	1
11	33629GT	PLATE,UK POWER TO PLATFORM	1
11	33724GT	KIT,GASKET,UK POWER TO PLAT	1
12	54380GT	SCREW,PHILLIPS,PHM,8-32 X .875	4
13	39591GT	SPACER,NYLON,.375	4
14	54633GT	NUT,KEPT,8-32,PLATED	4
15	30997GT	CORROSION INHIBITOR,FOAM	1
16	27115GT	GASKET,UPPER CONTROL BOX	1
17	52765-SGT	PLAT.CNTRL.BOX W/DECAL,Z45/25 includes index number 15; to SN 16867	1
17	77248GT	PLAT.CNTL.BOX,W/DECAL,Z45/25 includes index number 15; from SN 16868	1
18	45437GT	COVER,GFCI,WEATHERPROOF includes mounting fasteners	1

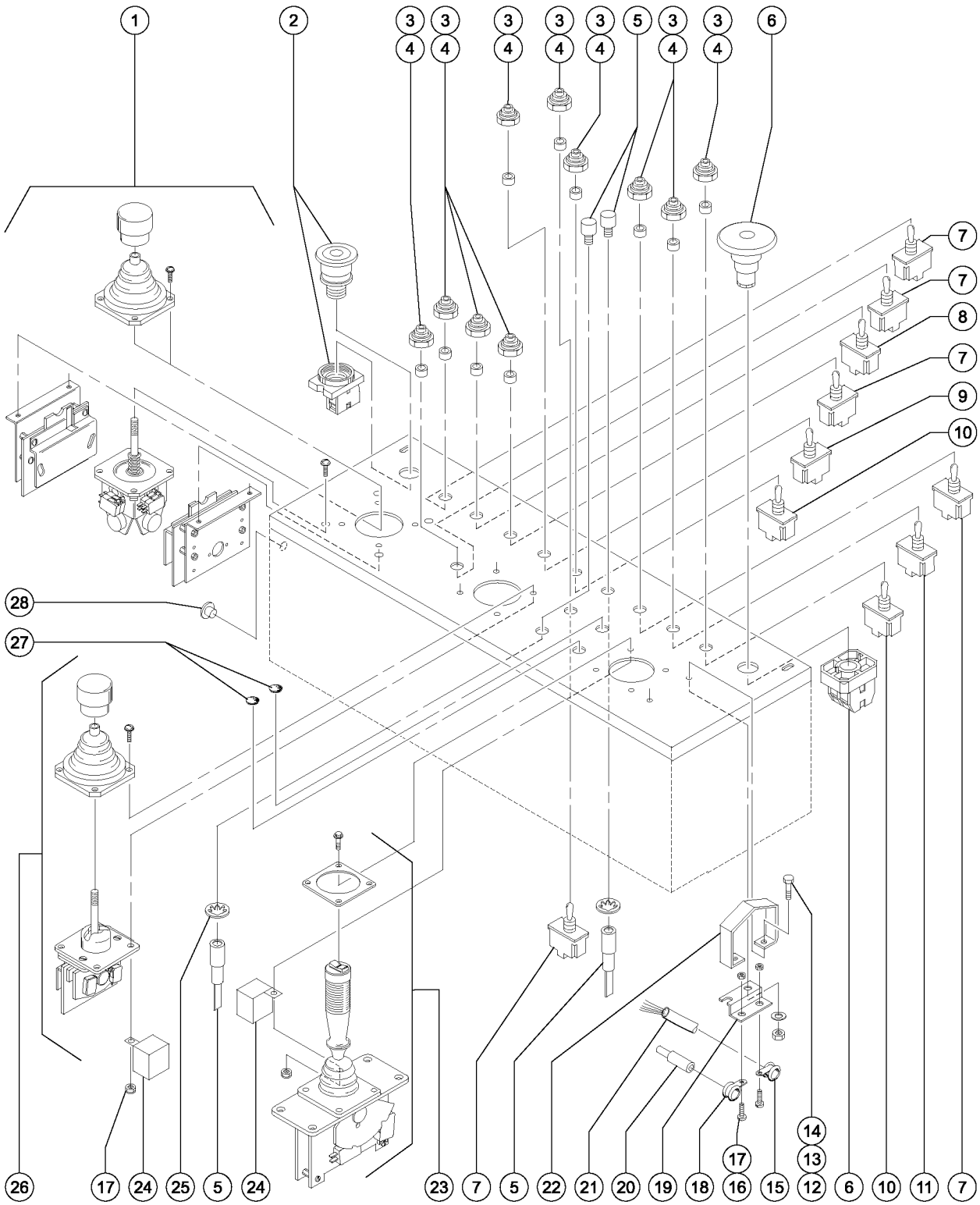
703.2 Platform Controls - View 1, Z-45/25J



703.2 Platform Controls - View 1, Z-45/25J

Item	Part No.	Description	Qty.
18	10777GT	COVER,BLANK	1
19	50404GT	BRACKET,CONTROL BOX MOUNT,RH%% to SN 19360	1
19	77136GT	BRACKET,CONTROL BOX MOUNT,Z45 from SN 19361	1
20	6175GT	SCREW,HHC,3/8-16 X 1	4
21	6021GT	WASHER, LOCK, .375	4
22	6097GT	WASHER, FLAT, USS, 3/8", Y	4
23	4828GT	NUT, NYLOCK, 3/8-16	4
24	7057GT	CONN. SQZ,1/2NPT .39-.56 MED.	6
25	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	6
26	43957GT	WIRE CABLE,14GA/4 CON.TPE JKT	83 inches
28	43959GT	WIRE CABLE,16GA/3 CON.TPE JKT	144 inches
29	35934GT	WIRE CABLE,18/19 CON.TPRJKT	733 inches
30	43955GT	WIRE CABLE,12/3 CON.TPE JKT	742 inches
31	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
31-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
32	50405GT	BRACKET,CONTROL BOX MOUNT,LH%% to SN 19360	1
32	77136GT	BRACKET,CONTROL BOX MOUNT,Z45 from SN 19361	1
33	49866GT	RESISTOR,50 OHM,5 W,CERAMIC Gasoline/LPG models	1

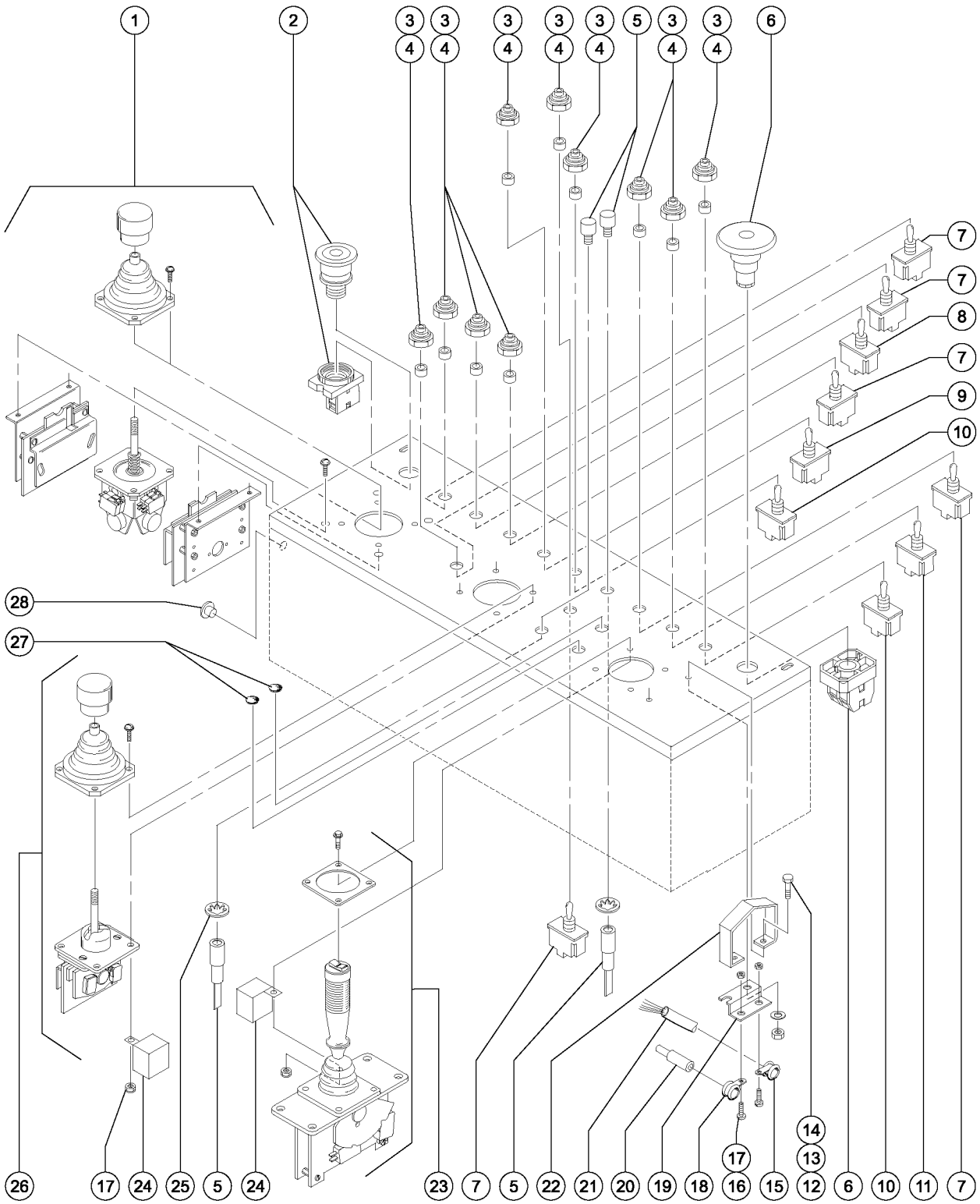
704.1 Platform Controls - View 2, Z-45/25



704.1 Platform Controls - View 2, Z-45/25

Item	Part No.	Description	Qty.
1		Ref., JOYSTICK CONTROLLER,12V refer to 707.1	1
2	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
2-	66815GT	BASE, W/1 N.O. CONTACTS***	1
2-	122513GT	KIT,HORN SVC BB&SM BOOM	1
2-	66816GT	CONTACT,N.O.***	1
3	27246GT	BOOT,TOGGLE SWITCH,SHORT*	10
4	54692GT	SPACER,NYLON,.718 X .526 X.219	10
5	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG models	2
5-	824879GT	LIGHT,LED IND. RED 12V NH Diesel models	1
6	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
6-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
6-	66821GT	BASE,WITHOUT CONTACTS	1
6-	66818GT	CONTACT,NC	2
7	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN* includes mounting fasteners	5
8	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	1
9	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN includes mounting fasteners	1
10	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT	2
11	13038-SGT	SWITCH,TOGGLE,DPDT,3POS MAINT includes mounting fasteners	1
12	6090GT	SCREW, HHC, 1/4-20 X .75	2
13	6638GT	WASHER, FLAT, USS, 1/4"Y	2
14	6889GT	NUT,LP NYLOCK,1/4-20	2
15	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	1
16	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	2
17	6178GT	NUT, NYLOCK, 10-32	4
18	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
19	54525GT	BRACKET-PANEL-WIRE MOUNTING 99	1
21	54955GT	WIRE LOOM,1.29 DIA.	10 inches

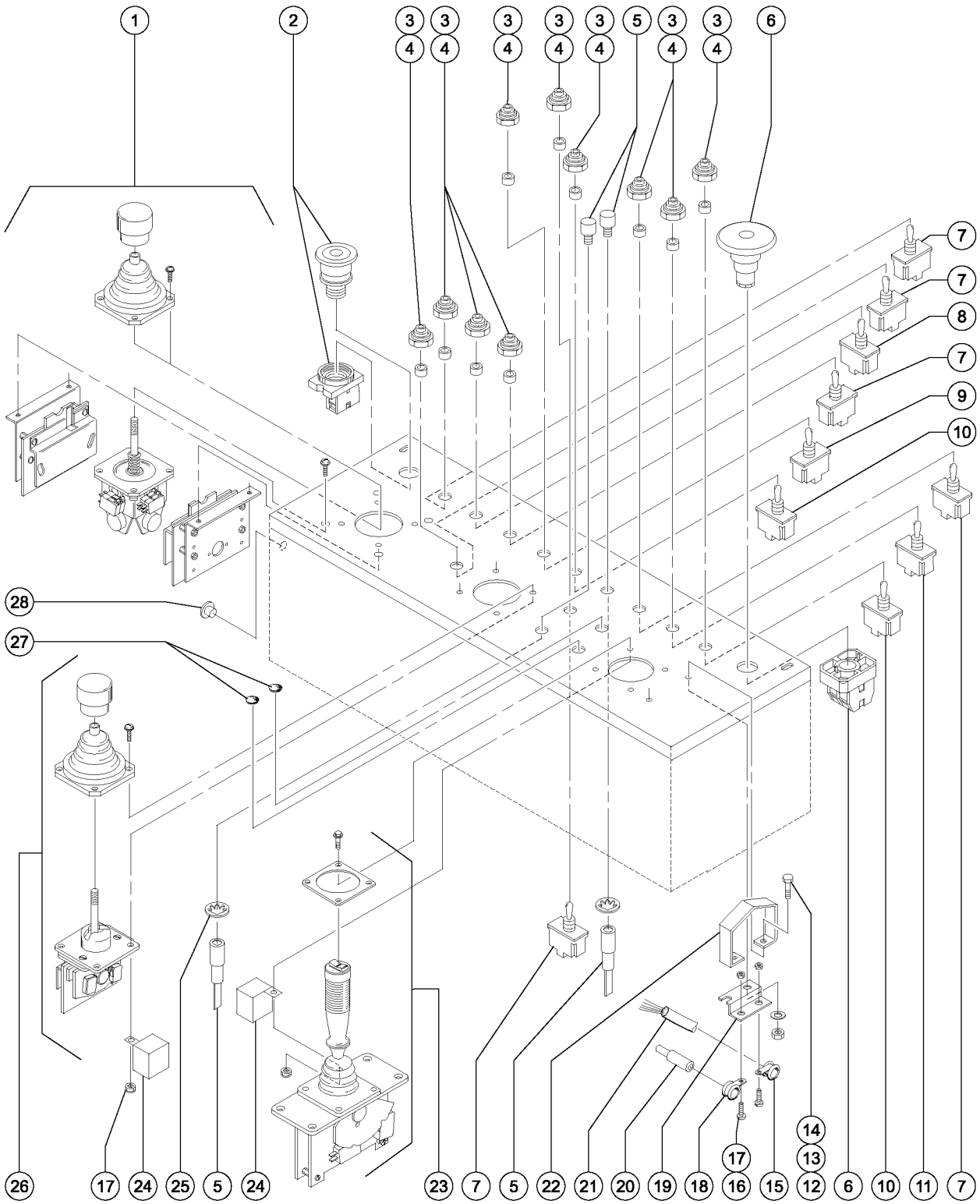
704.1 Platform Controls - View 2, Z-45/25



704.1 Platform Controls - View 2, Z-45/25

Item	Part No.	Description	Qty.
22	27033GT	SUPPORT,WRIST***	1
23		Ref., JOYSTICK CONTROLLER,12V refer to 705.1	1
25	56848GT	WASHER,LOCK,IND,LAMP RETAINER	2
26		Ref. JOYSTICK,SINGLE AXIS PROPORT refer to 706.1	1
27	45384GT	PLUG,NYLON .50 BLACK DOMED	2
28	30996GT	PLUG,NYLON .313 BLACK DOMED	6

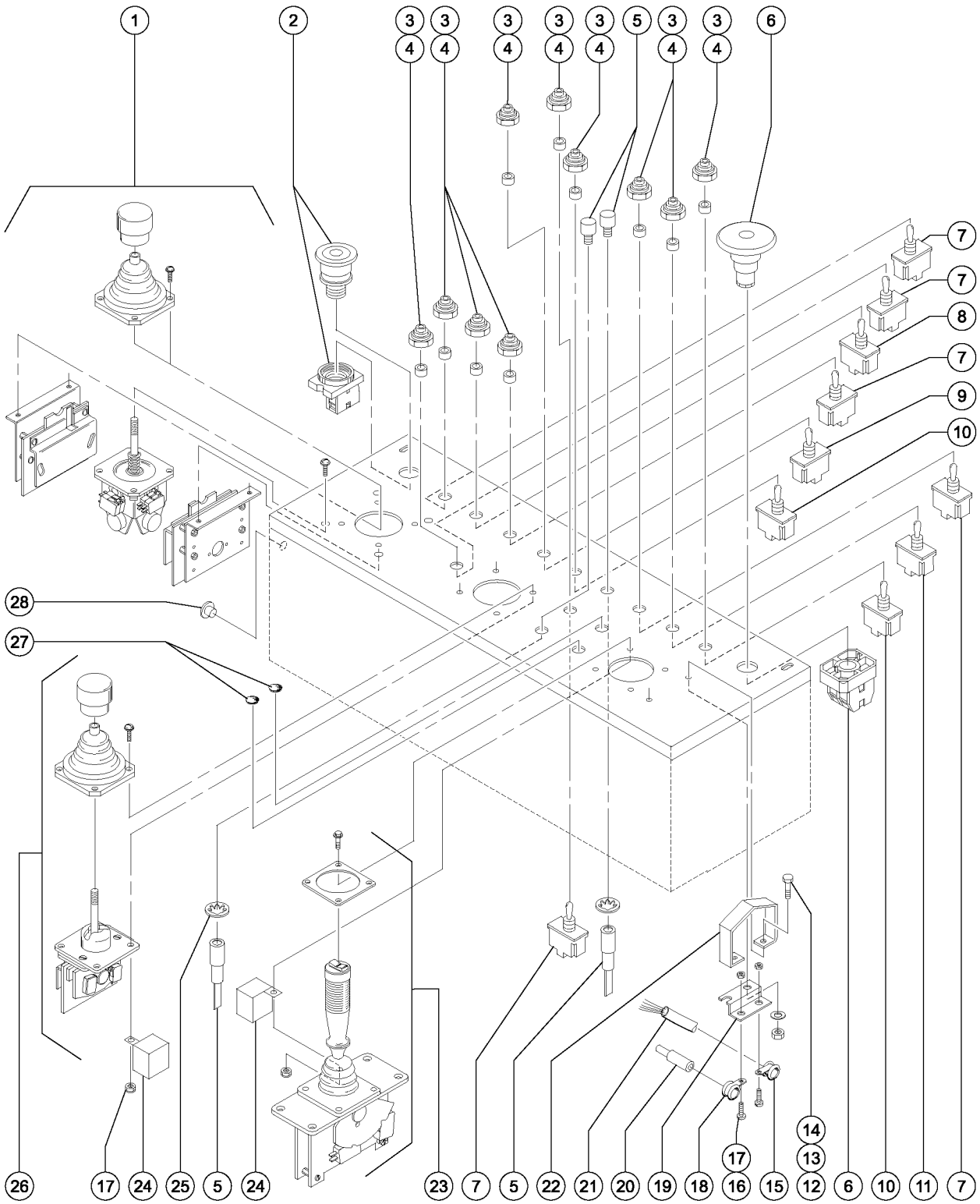
704.2 Platform Controls - View 2, Z-45/25J



704.2 Platform Controls - View 2, Z-45/25J

Item	Part No.	Description	Qty.
1		Ref., JOYSTICK CONTROLLER,12V refer to 707.1	1
2	122513GT	KIT,HORN SVC BB&SM BOOM	
2-	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
2-	66815GT	BASE, W/1 N.O. CONTACTS***	1
2-	66816GT	CONTACT,N.O.***	1
3	27246GT	BOOT,TOGGLE SWITCH,SHORT*	10
4	54692GT	SPACER,NYLON,.718 X .526 X.219	10
5	824879GT	LIGHT,LED IND. RED 12V NH Gasoline/LPG models	2
5-	824879GT	LIGHT,LED IND. RED 12V NH Diesel models	1
6	122514GT	KIT,ESTOP SVC BB&SM BOOM	1
6-	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
6-	66821GT	BASE,WITHOUT CONTACTS	1
6-	66818GT	CONTACT,NC	2
7	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN* includes mounting fasteners	5
8	16397-SGT	SWITCH,TOGGLE,DPDT,3POS MOMEN includes mounting fasteners	1
9	13480-SGT	SWITCH,TOGGLE,DPDT,2POS MOMEN includes mounting fasteners	1
10	128205GT	SWITCH TOGGLE ASSY DPDT 2P MNT (replaced 27378-S)	2
11	13038-SGT	SWITCH,TOGGLE,DPDT,3POS MAINT includes mounting fasteners	1
12	6090GT	SCREW, HHC, 1/4-20 X .75	2
13	6638GT	WASHER, FLAT, USS, 1/4"Y	2
14	6889GT	NUT,LP NYLOCK,1/4-20	2
15	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	1
16	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	2
17	6178GT	NUT, NYLOCK, 10-32	4
18	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
19	54525GT	BRACKET-PANEL-WIRE MOUNTING 99	1
20	43181GT	CAPACITOR,TIME DELAY	1

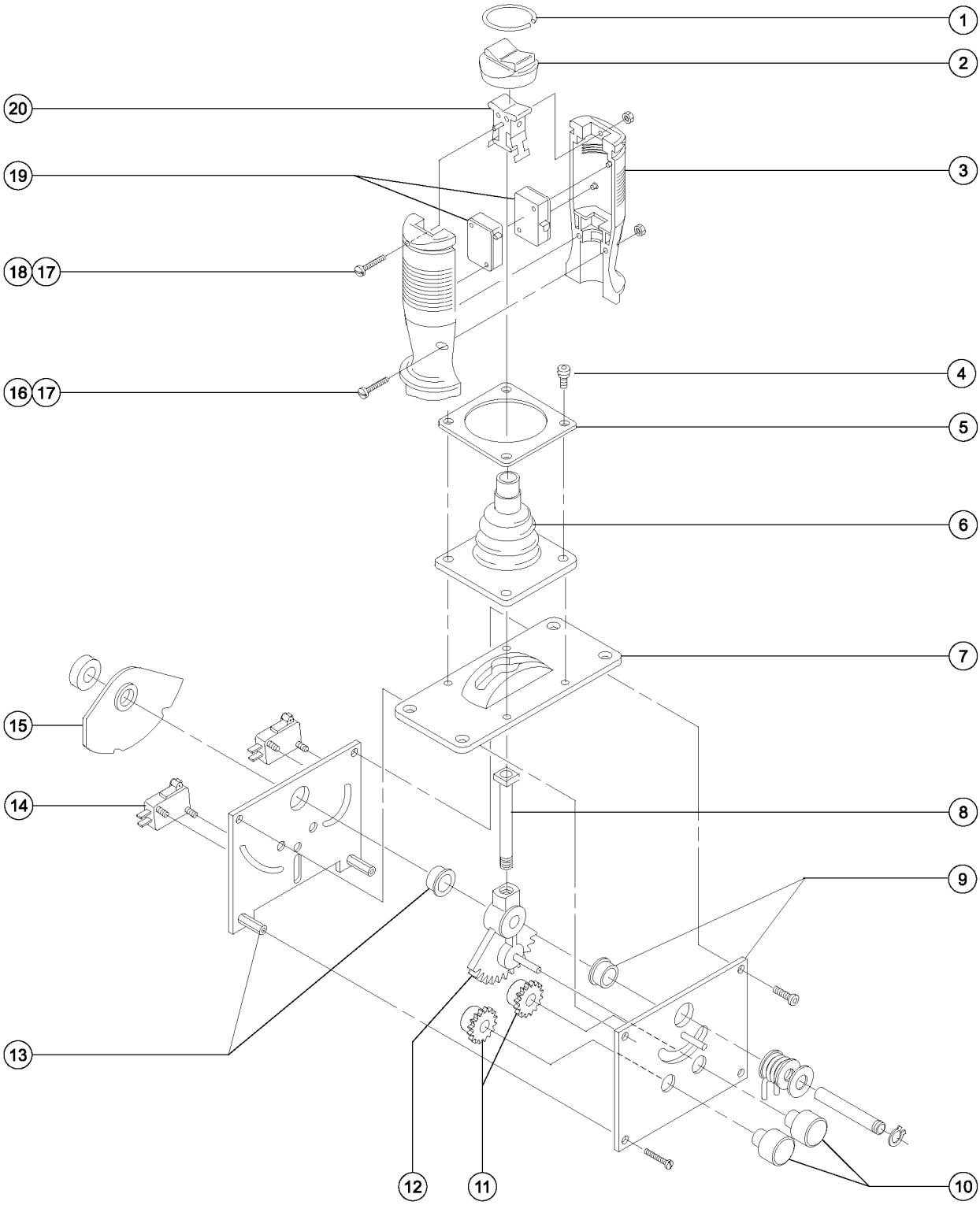
704.2 Platform Controls - View 2, Z-45/25J



704.2 Platform Controls - View 2, Z-45/25J

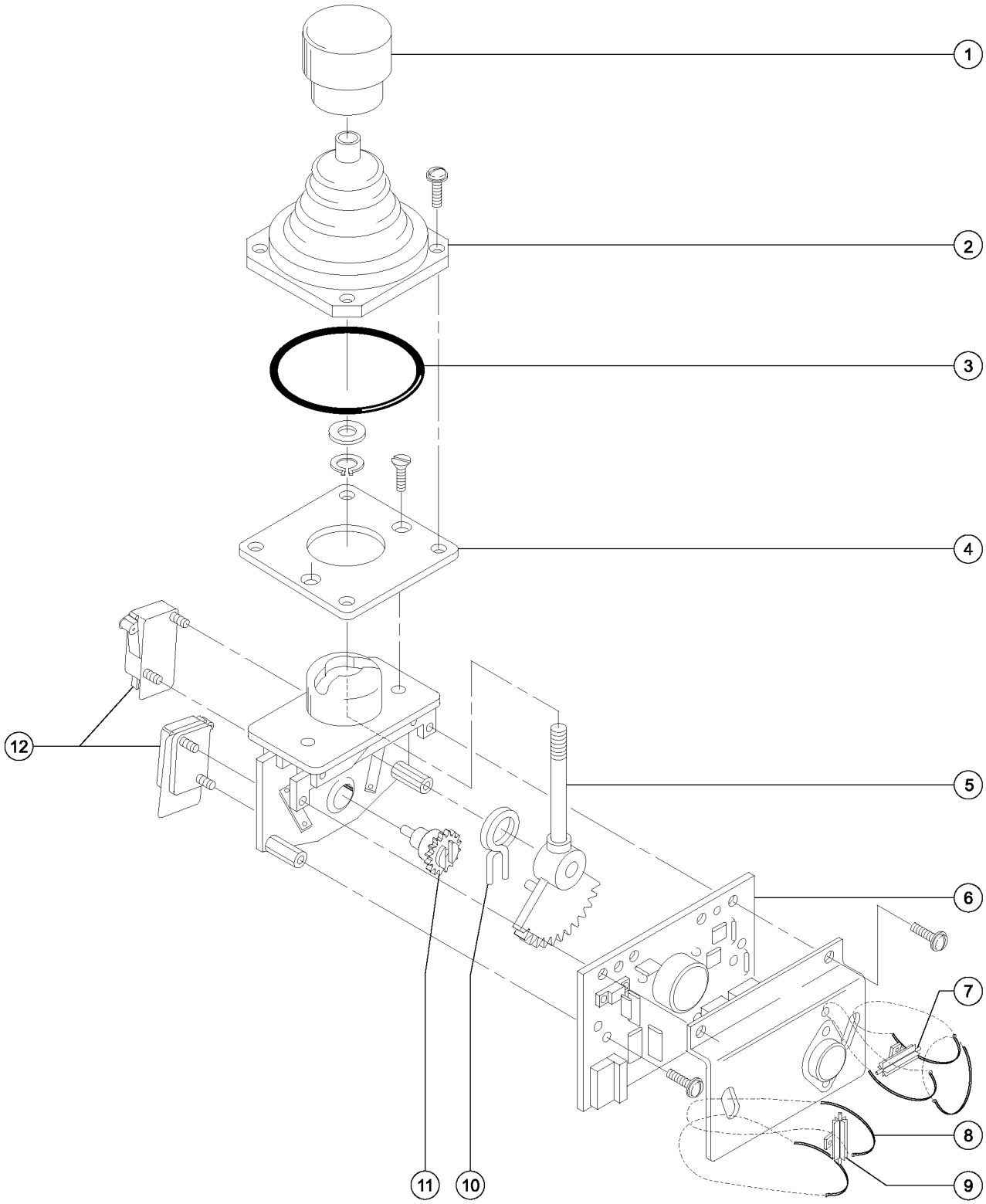
Item	Part No.	Description	Qty.
21	54955GT	WIRE LOOM,1.29 DIA.	10 inches
22	27033GT	SUPPORT,WRIST***	1
23		Ref., JOYSTICK CONTROLLER,12V refer to 705.1	1
24	19274GT	RELAY,SPDT,12V(AUTO)**	2
25	56848GT	WASHER,LOCK,IND,LAMP RETAINER	2
26		Ref., JOYSTICK CONTROLLER,12V refer to 706.1	1
27	45384GT	PLUG,NYLON .50 BLACK DOMED	2
28	30996GT	PLUG,NYLON .313 BLACK DOMED	6

705.1 Joystick Controller - Drive/Steer Functions



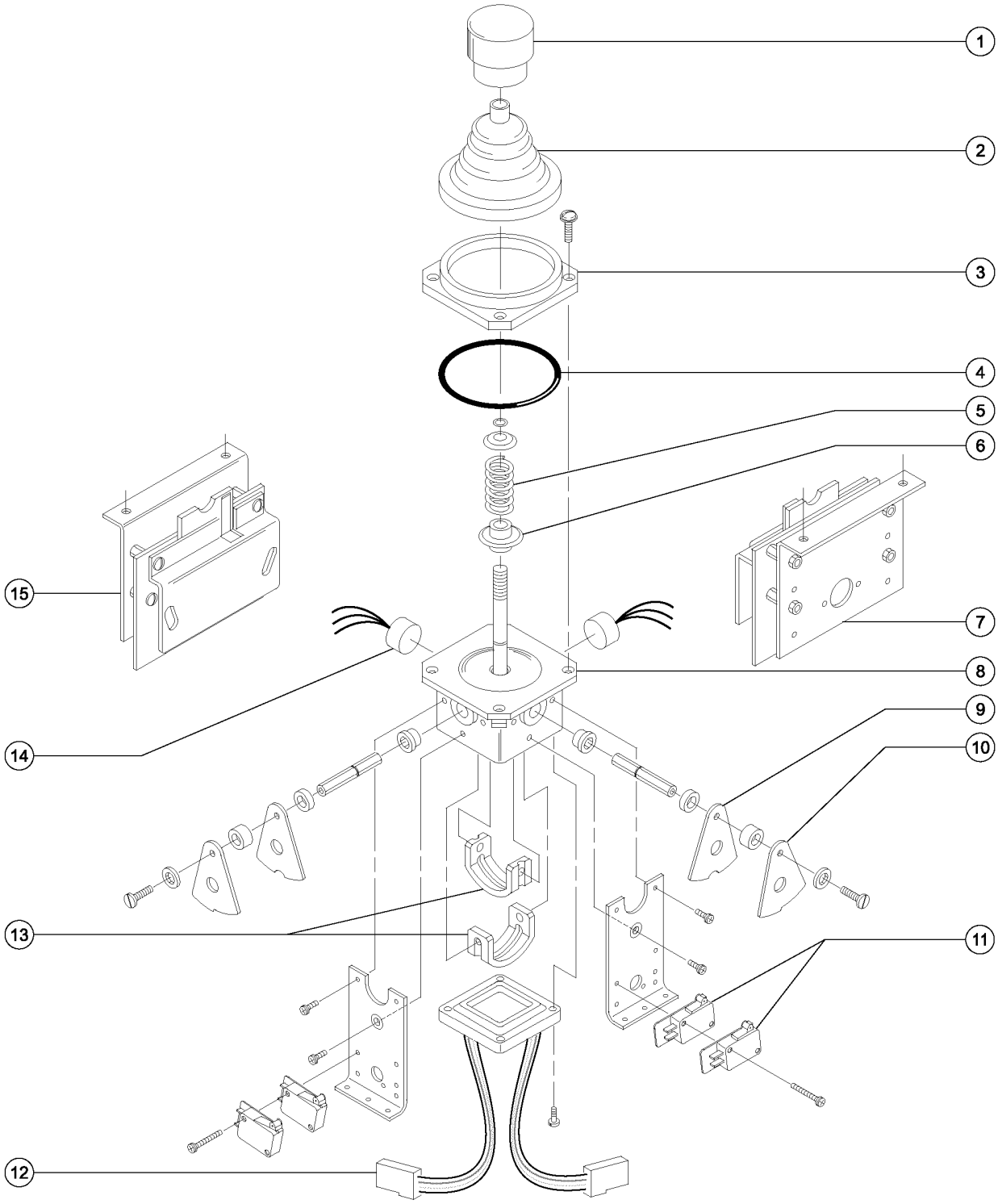
Item	Part No.	Description	Qty.
	20424GT	JOYSTICK CONTROLLER,12V OEM joystick, contains all shown service parts	
	20424HGT	JOYSTICK CONTROLLER,12V aftermarket joystick replacement	
1	25882GT	LOCK RING	1
2	25881GT	BOOT,THUMB 20424 JOYSTICK	1
3	25883GT	HANDLE HALF,JOYSTICK (20424) order qty (2) required	2
3-	72245GT	KIT, JOYSTICK HANDLE includes handles, rocker and nut/bolt kit	
3-	58209GT	SPRING,RETURN***	1
3-	49887GT	NUT & BOLT KIT (25883)	1
4	54946GT	SCREW,PHILLIPS,PHM,M5 X 16MM	4
5	44221GT	COLLAR, BOOT RETAINING	1
6	22368GT	BOOT (20424)	1
7	25884GT	COVER CASTING,20424 CONTROLLER	1
8	44211GT	SHAFT,W/NF STYL BLOCK,(20424)*	1
9	65535GT	POT PLATE ASSEMBLY (20424) includes bearing and terminal strip	1
10	22364GT	POTENTIOMETER (20424)	2
11	22367GT	SPUR GEAR (20424)	2
12	44212GT	GEAR CASTING,20424 CONTROLLER*	1
13	65536GT	SWITCH PLATE ASSEMBLY(20424) includes bearing and stand-offs	1
14	22365GT	SWITCH (20424)	2
15	22366GT	CAM ASSY (20424)	1
16	52776GT	SCREW,HEX,M4X0.7X10MM (20424)*	2
17	52777GT	NUT,HEX,M4 X 0.7 MM (20424)***	3
18	52775GT	SCREW,HEX,M4X0.7X30MM (20424)*	1
19	23680GT	SWITCH,HANDLE,20424	2
20	23688GT	ROCKER ASSY,HANDLE (20424)***	1

706.1 Joystick Controller - Secondary Boom Functions



Item	Part No.	Description	Qty.
	24495GT	JOYSTICK,SINGLE AXIS PROPORT OEM joystick, contains index numbers 1 - 6 and 10 - 12	
	24495HGT	JOYSTICK,SINGLE AXIS PROPORT aftermarket joystick replacement	
1	27133GT	HANDLE,CAP,CONTROLLER	1
2	27134GT	BOOT,CONTROLLER	1
3	31526GT	O-RING,BOOT,CONTROLLER	1
4	19720GT	CASTING,45049, 40612	1
5	27135GT	SHAFT W/GEAR	1
6	27524GT	PCB,ASSY,24495	1
6	19718GT	POTENTIOMETER,45049	1
7	27116GT	RESISTOR,100 OHM,25 WATT	1
8	21121GT	CABLE TIE, 4" BLK, HEAT RESISTANT	5
9	27117GT	RESISTOR,250 OHM,5 WATT	1
10	21434GT	SPRING & BUSHING KIT,RETURN***	1
11	19731GT	GEAR, SLAVE, MS4,45048	1
12	19712GT	MICROSWITCH,V3L-139-D8	2

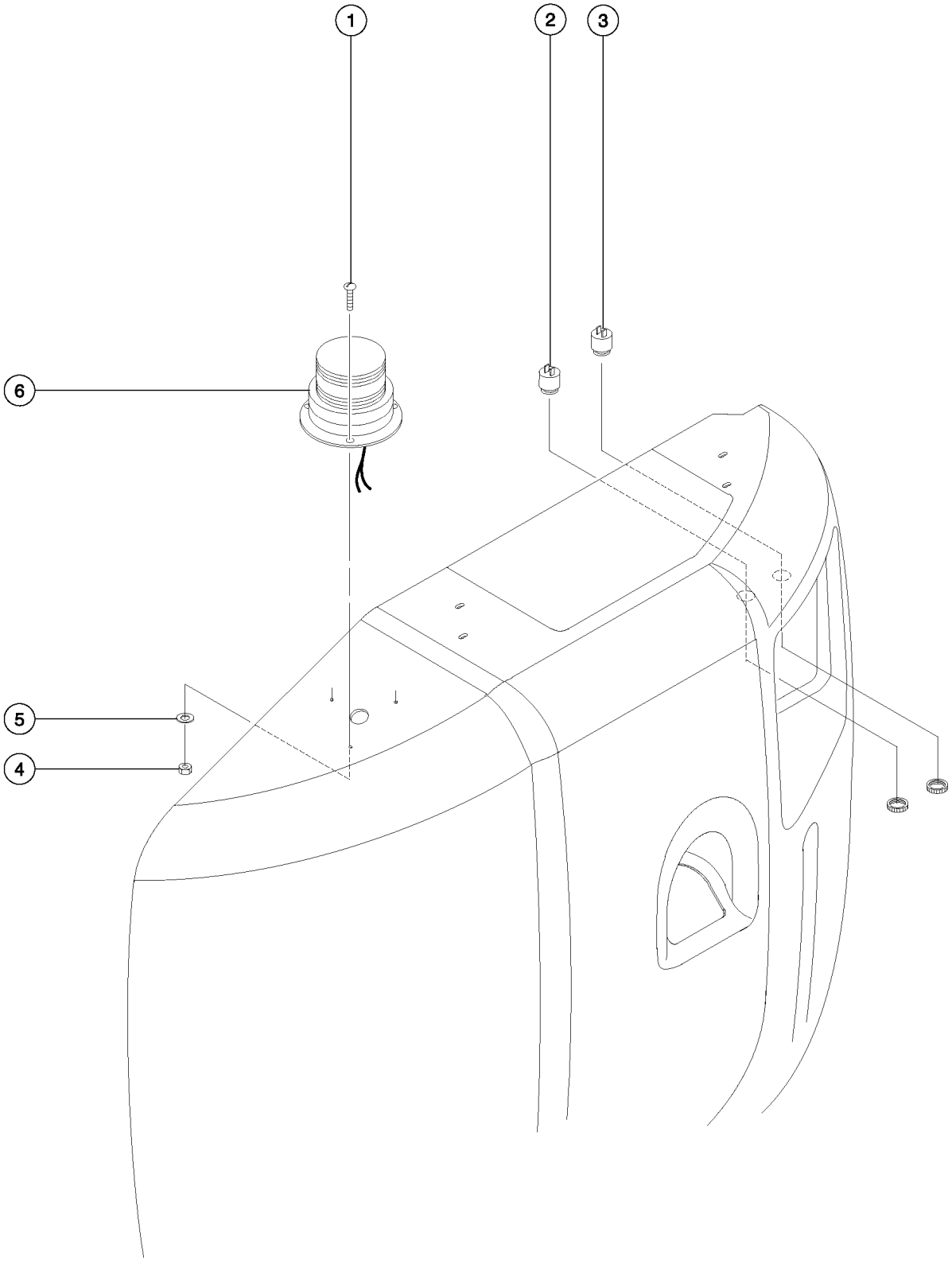
707.1 Joystick Controller - Primary Boom and Turntable Rotate Functions



707.1 Joystick Controller - Primary Boom and Turntable Rotate Functions

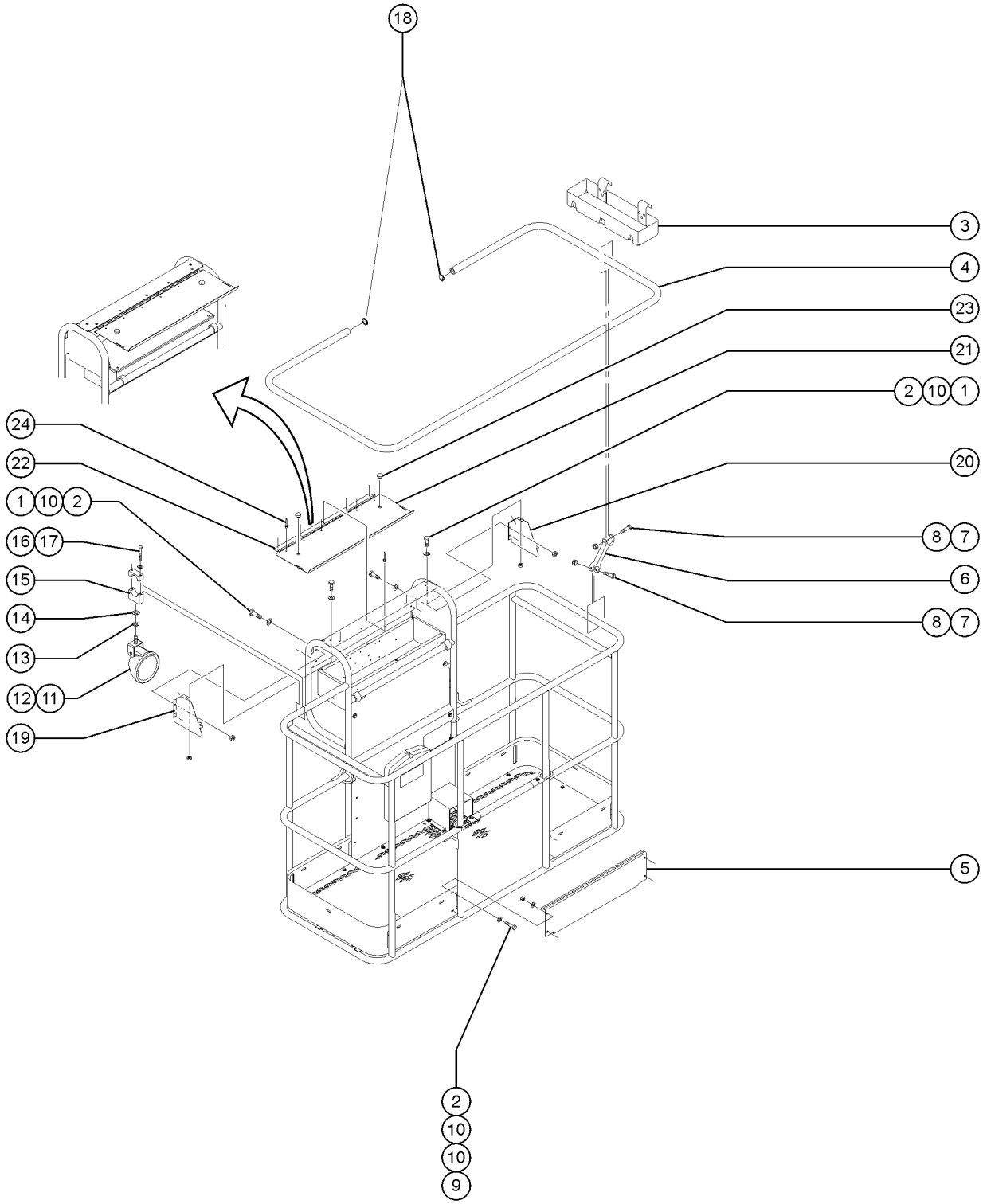
Item	Part No.	Description	Qty.
	53073GT	JOYSTICK,MULT AXIS CONT,OEM*** ..... OEM joystick, contains all shown service parts	
	53073HGT	JOYSTICK,MULT AXIS CONT ..... aftermarket joystick replacement	
1	27133GT	HANDLE,CAP,CONTROLLER	1
2	27134GT	BOOT,CONTROLLER ..... includes item 3	1
3	46272GT	FLANGE-JOYSTICK MOUNTING,44988	1
4	31526GT	O-RING,BOOT,CONTROLLER	1
5		SPRING,24493 CONTROLLER ..... no longer available	1
6	31283GT	BUSHING,SPRING SEAT	1
7	52585GT	PCB,11179CD,(LIFT)***	1
8	52587GT	SHAFT & HOUSING ASSY	1
9	52588GT	DRIVE GEAR - INSIDE #53073	2
9A	58477GT	SHAFT (53073)***	2
10	52589GT	DRIVE GEAR - OUTSIDE #53073	2
11	19712GT	MICROSWITCH,V3L-139-D8	4
12	58923GT	SADDLE BRCKT40613,34419,53073* ..... harness shown for illustration purpose only	1
13	37948GT	SADDLES-SET(24493,40613,53073*	1
14	52591GT	POTENTIOMETER-JOYSTCK(53073)	2
14	65827GT	ADAPTER (53073,52591) **	2
15	52586GT	PCB,11179AB, (SWING)***	1

801.1 Alarm and Beacon Package

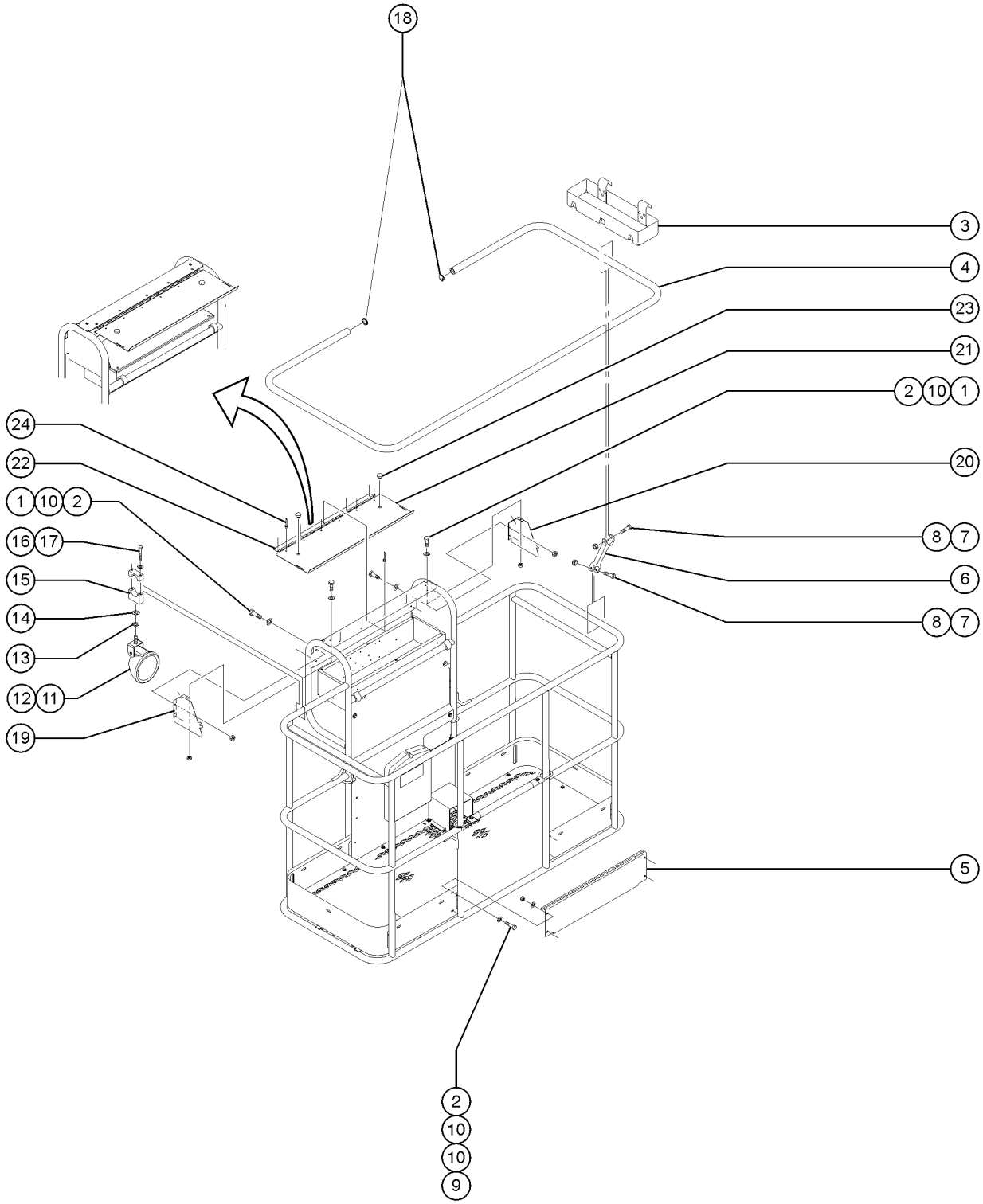


801.1 Alarm and Beacon Package

Item	Part No.	Description	Qty.
-	77067GT	HARNESS,ALARM OPTION,Z45	
	60047-SGT	ALARM PKG,ACC.Z45 IC	
1	75041GT	SCREW,PHILLIPS,PHM,10-32 X 1	3
2	45462GT	ALARM,CHIME TONE 5-25VDC*** Does not include 72326 nut	1
2-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
3	18963GT	ALARM, INTERMITTENT TONE 6-30V* Does not include 72326 nut	1
3-	72326GT	NUT - PLASTIC, RING FOR ALARMS	1
4	6178GT	NUT, NYLOCK, 10-32	3
5	6146GT	WASHER,FLAT,MS,#10,Y	3
6	56704GT	STROBE,FIREBOLT,12-80VDC,AMB** (replaced 20189)	1
6-	72282GT	LENS,AMBER,STROBE,FIREBOLT	
6-	122019GT	FLASHTUBE,U SHAPED,360DEG,BULB	
6-	226393GT	FLASHTUBE,STRAIGHT,360DEG,BULB	

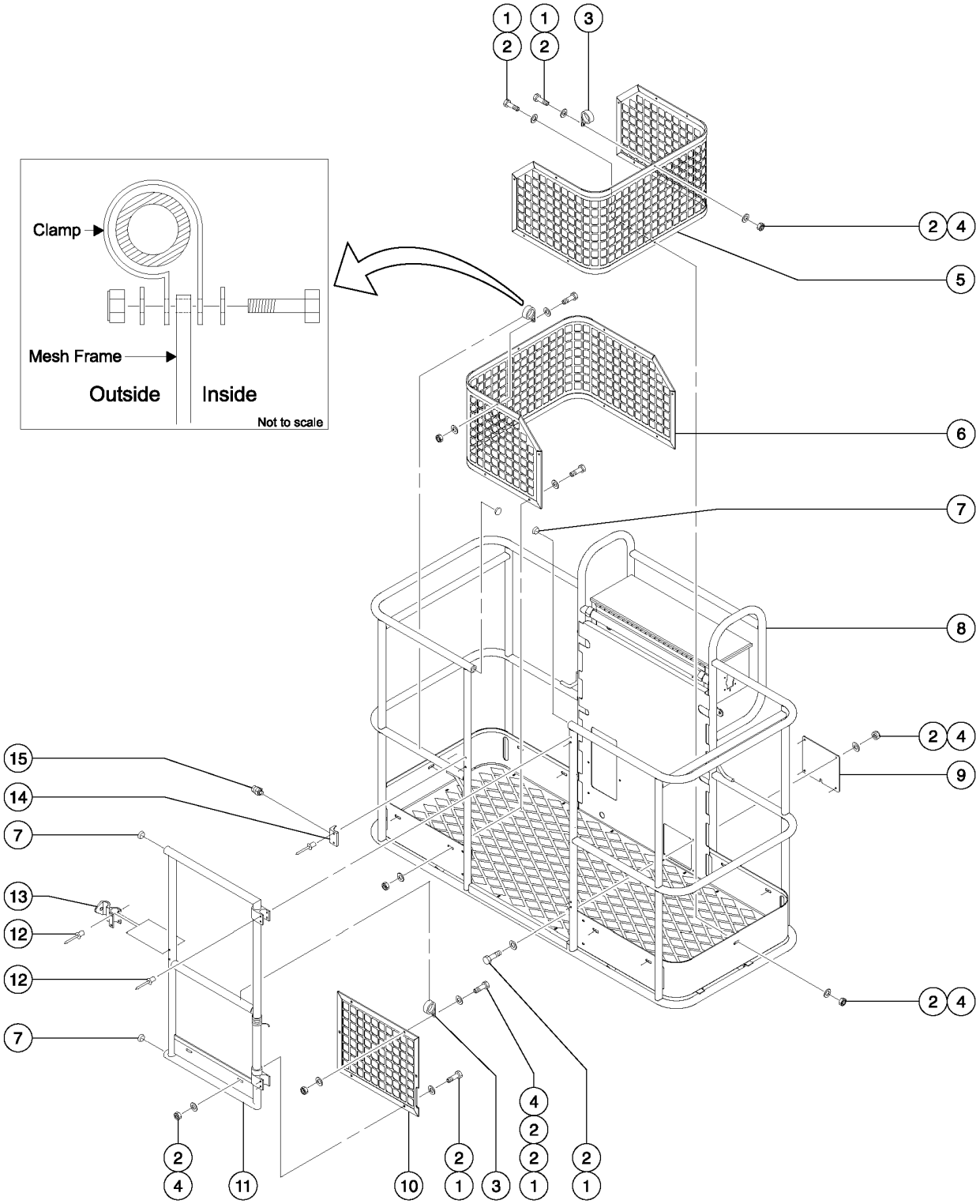

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Item	Part No.	Description	Qty.
A-	28322GT	OPTION,PLAT.PINCH GUARD,5 FT.	
B-	28323GT	OPTION,PLAT.PINCH GUARD,4 FT.	
C-	34321-SGT	OPTION,WORKLIGHT,12 VOLT	
D-	53157-SGT	PINCH GUARD,6'(1.31")SERVICE**	
E-	53808GT	AUX TOP RAIL,6' PLATFORM	
F-	119795GT	KIT,CONTROL BOX COVER	
G-	60922GT	OPTION,EURO TOEBOARD (includes item 5)	
1	7339GT	SCREW,HHC,1/4-20 X .5	4
2	6091GT	NUT,NYLOCK,1/4-20	8
3	9599-SGT	TOOL TRAY ACCESSORY***	1
3-	7746PGT	TOOL TRAY BRACKET (GRAY)	2
4	28328GT	RAILING,PINCH GAURD,5 FT.	1
4-	28329GT	RAILING,PINCH GAURD,4 FT	1
4-	53808-SGT	AUX TOP RAIL,6'(1.25")SERVICE	1
5	94745PGT	TOEBOARD,ENTRY EUROPEAN PNTD**	1
6	122073GT	SUPPORT, RAILING	20
7	122231GT	SCREW,BHSC,1/4-20 X 1	20
8	6889GT	NUT,LP NYLOCK,1/4-20	20
9	8914GT	SCREW, HHC, 1/4-20 X .625	4
10	6638GT	WASHER, FLAT, USS, 1/4"Y	4
11	107858GT	WORKLIGHT,48 VOLT	2
11A	35960GT	BULB,WORKLIGHT,12V 35W	2
12	13002GT	SCREW,HHC,5/16-18 X 1 GR5	2
13	6886GT	WASHER,LOCK,.313	2
14	5397GT	WASHER, FLAT, USS, 5/16-18	2
15	35956GT	WORK LIGHT MOUNTING BRACKET	2
16	6145GT	SCREW, HHC, 1/4-20 X 1.5	4
17	6356GT	WASHER, LOCK, .25	4


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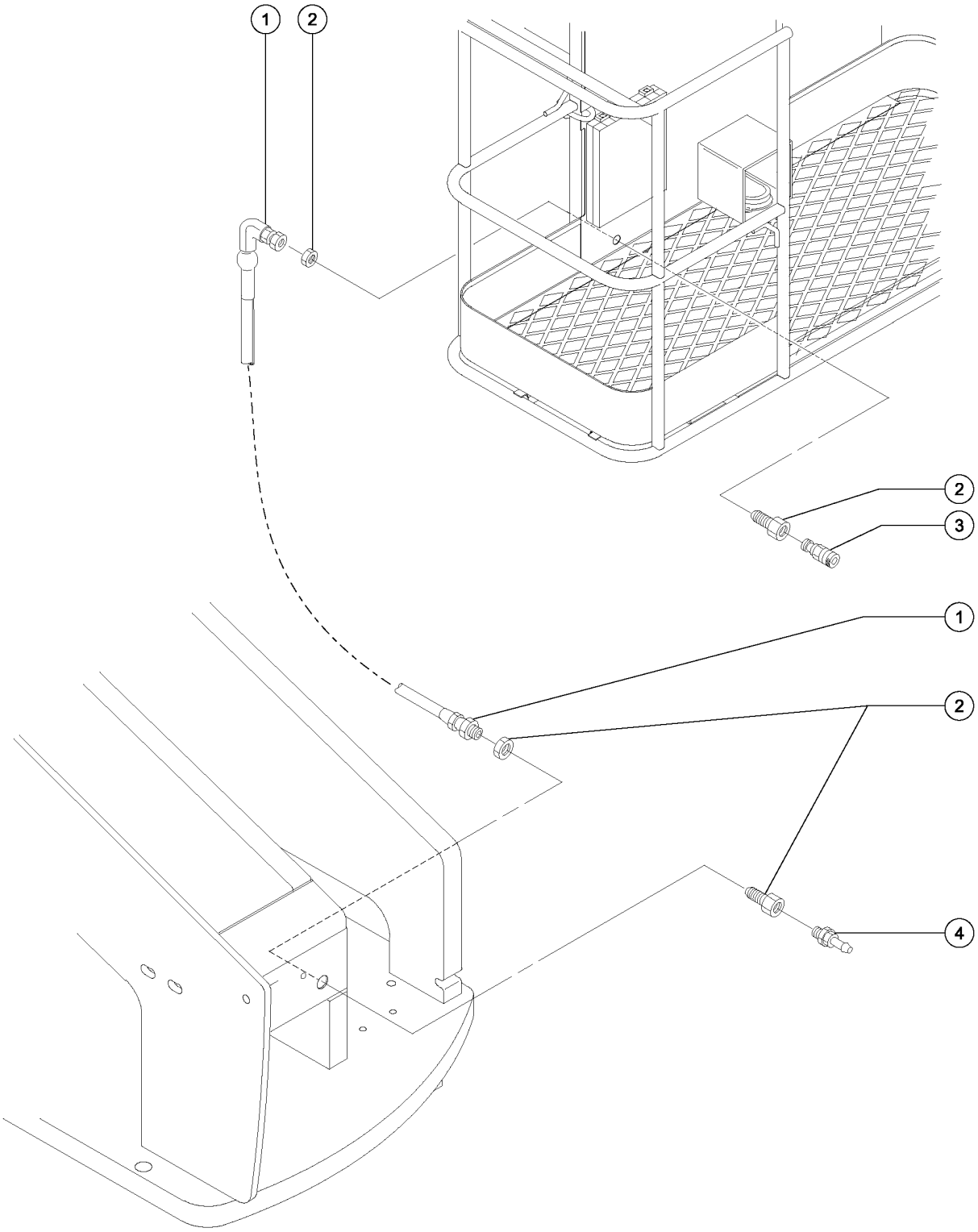
Item	Part No.	Description	Qty.
18	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
19	88607PGT	COVER,CONTROL BOX LEFT SIDE***	1
20	88606PGT	COVER,CONTROL BOX RIGHT SIDE**	1
21	102785PGT	CONTROL BOX COVER,LID,PTD	1
22	111526GT	HINGE,PLAT CONTROL BOX COVER	1
23	34619GT	BUMPER,RUBBER***	2
24	54486GT	RIVET,ALUM,ALUM,3/16BUTTONHEAD	

803.1 Half-mesh and Swing Gate Options

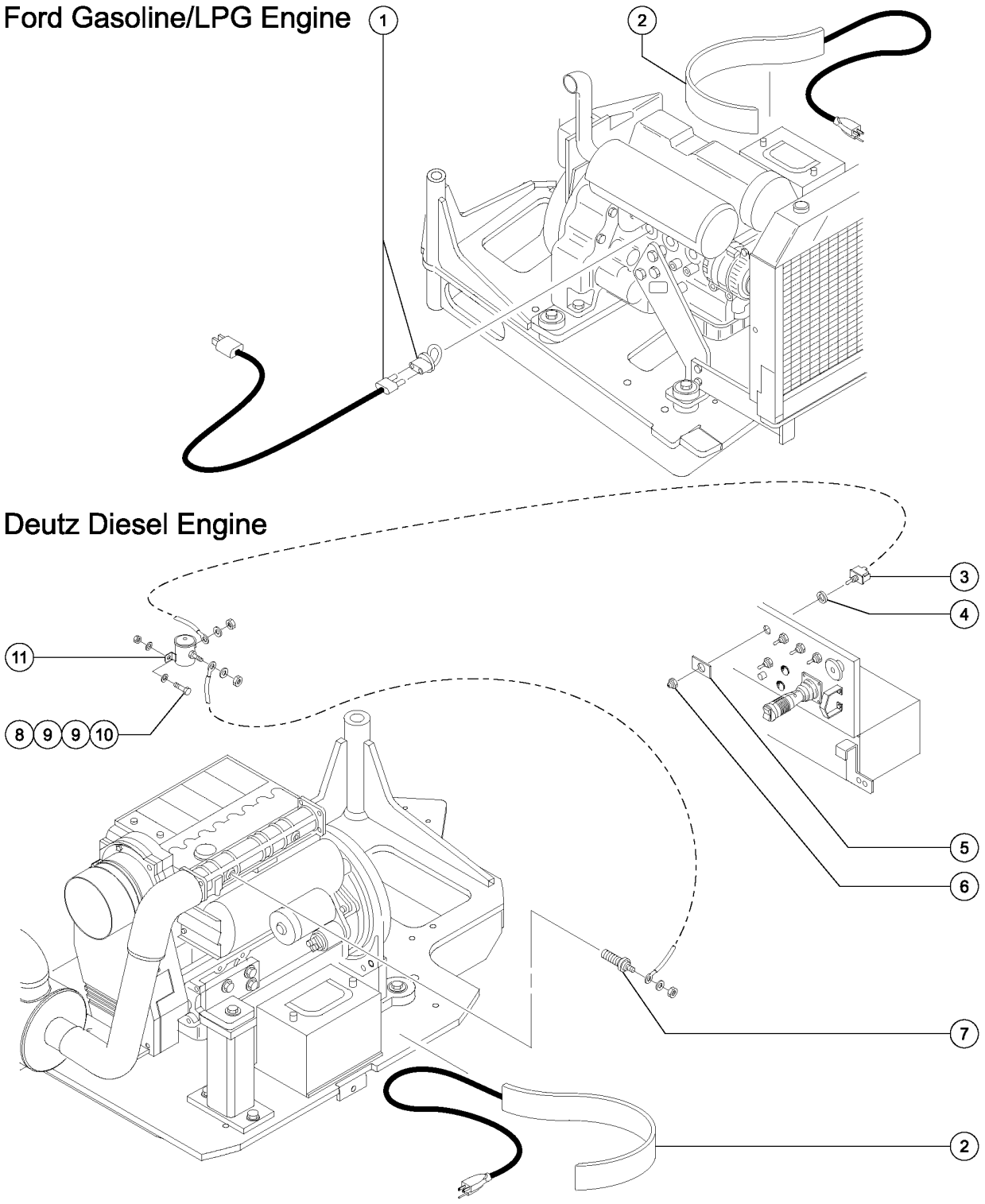


Item	Part No.	Description	Qty.
1	8914GT	SCREW, HHC, 1/4-20 X .625	28
2	6638GT	WASHER, FLAT, USS, 1/4"Y	74
3	54932GT	CLAMP,1.25,#20 X 1/4,RUB CUSH	17
4	6091GT	NUT,NYLOCK,1/4-20	17
5	54458GT	MESH,HALF,LH,6'PLATFORM	1
6	54465GT	MESH,HALF,RH,6'PLATFORM	1
7	45385GT	PLUG,NYLON 1.12 BLACK DOMED	4
8	52752-SGT	PLATFORM,1/2 MESH W/GATE,ANSI*	1
8	52753-SGT	PLAT.ASSY,6FT,1/2 MESH, CE	1
9	54165GT	PLATE,FOOT SWITCH COVER	1
10	54457GT	MESH,HALF,SWING GATE***	1
11	128368GT	KIT,SWING GATE W/SPRING	1
11	1290135GT	KIT,HALF FRONT,SWING GATE	
11-	42104GT	SPRING,SHORT PLATFORM GATE	
12	7265GT	RIVET,STEEL,P, .25 X .375	14
13	1487GT	GATE LATCH CASTING--DRILLED	1
14	1488GT	RAILING CATCH CASTING--DRILLED	1
15	12161GT	SNAP PIN,(RD.NOSE)-GATE LATCH	1

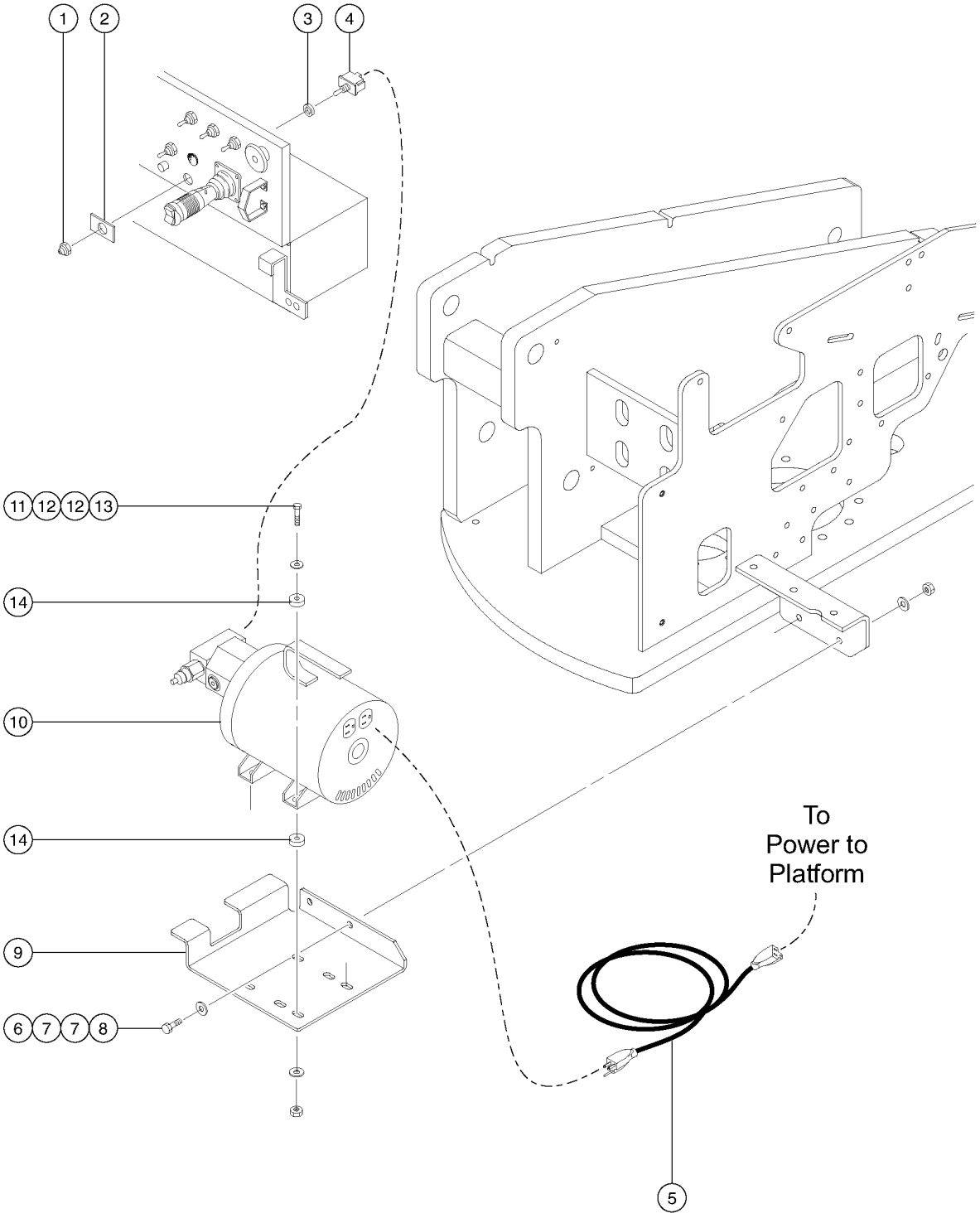
804.1 Air Line to Platform



Item	Part No.	Description	Qty.
	27887GT	OPTION,AIRLINE TO PLATFORM	
1	27890GT	KIT,FITTING,AIRLINE TO PLATFRM	1
1	16073GT	CLAMP,0.63,#10 X 1/4,RUB CUSH	12
2	27900GT	BULKHEAD,FEMALE X 6 X 6	2
3	27895GT	COUPLER,1/4"SERIES 3/8 MPT	1
4	27894GT	PLUG,1/4"SERIES,3/8 MPT	1

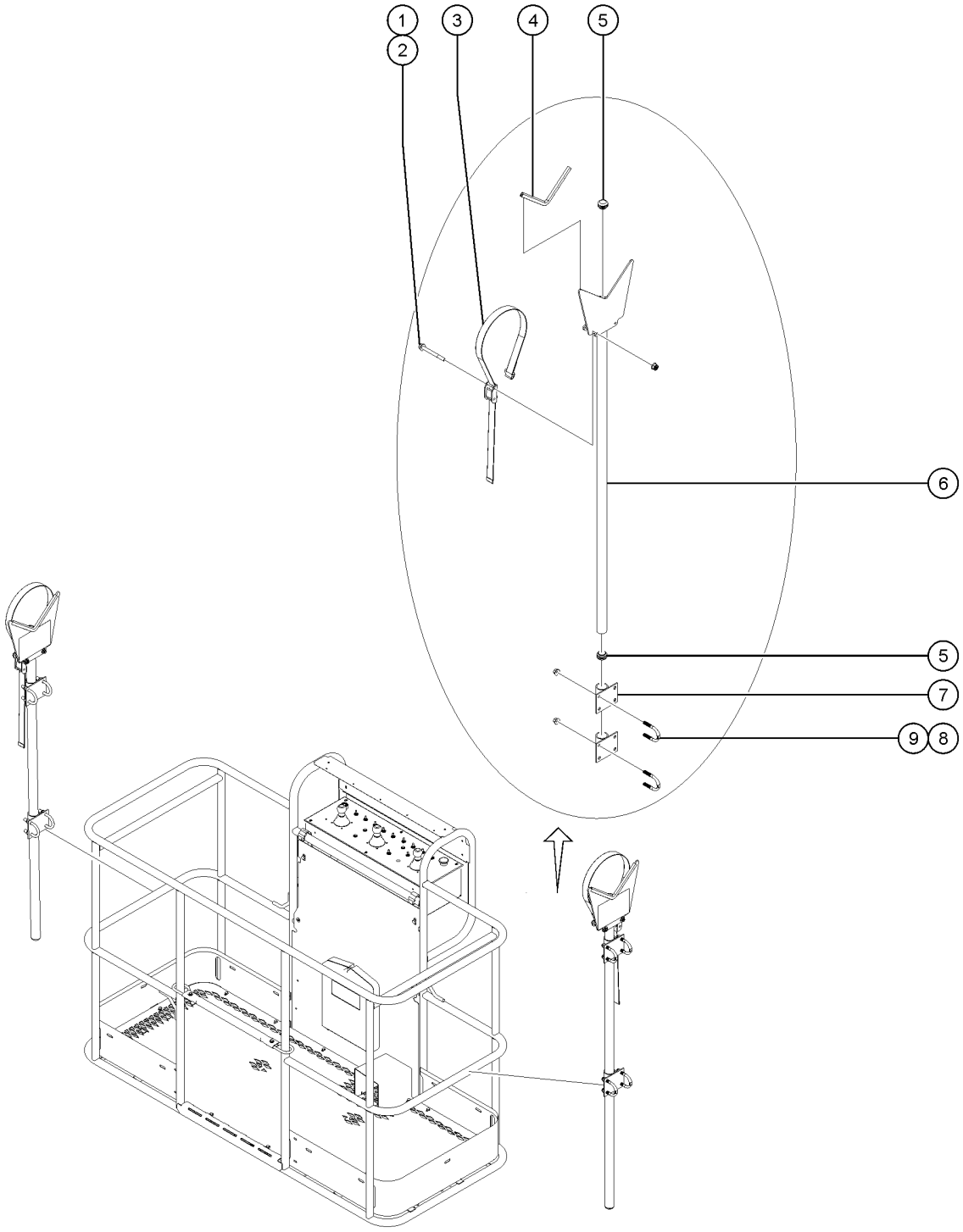

Ford Gasoline/LPG Engine
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Deutz Diesel Engine
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Item	Part No.	Description	Qty.
-	35609GT	COLD START PKG,FORD LRG kit no longer available for service replacement order individual components (28853GT, 35610GT)	
-	28853GT	BLANKET,BATTERY	1
-	35610GT	HEATER,FREEZE PLUG,FORD LRG423	1
-	30502-SGT	COLD START PKG,DIESEL	
1	35610GT	HEATER,FREEZE PLUG,FORD LRG423 Ford models	1
2	28853GT	BLANKET,BATTERY Ford and Deutz Diesel models	2
3	13037-SGT	SWITCH,TOGGLE,SPDT,3POS MOMEN* includes mounting fasteners; Deutz Diesel models	1
4	54692GT	SPACER,NYLON,.718 X .526 X.219	1
5	32726GT	DECAL,OPTION GLOW PLUGS*** Deutz Diesel models	1
6	27246GT	BOOT,TOGGLE SWITCH,SHORT* Deutz Diesel models	1
7	31408GT	GLOW PLUG,L1011 Deutz Diesel models	1
8	6090GT	SCREW, HHC, 1/4-20 X .75 Deutz Diesel models	2
9	6638GT	WASHER, FLAT, USS, 1/4"Y Deutz Diesel models	4
10	6091GT	NUT,NYLOCK,1/4-20 Deutz Diesel models	2
11	27155GT	SOLENOID,12V CONTINUOUS*** Deutz Diesel models	1


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Item	Part No.	Description	Qty.
1	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
2	32728GT	DECAL,OPTION GENERATOR***	1
3	54692GT	SPACER,NYLON,.718 X .526 X.219	1
4	56457-SGT	SWITCH,TOGGLE,SPDT,2 POS MAINT includes mounting fasteners	1
5	77247GT	POWER TO PLAT,CORD ASSY.	1
5	119403GT	CONN,PLUG 120 AC/15A DOMESTIC	1
5	119404GT	CONN,RECEP 120AC/15A DOMESTIC	1
5	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	72 inches
6	22788GT	SCREW,HHC,1/2-13 X 1.75	2
7	6095GT	WASHER,FLAT,USS,1/2",Y	4
8	6198GT	NUT, NYLOCK, 1/2-13	2
9	54207GT	BRACKET,MOUNTING	1
10	54028GT	OPTION,GEN,3000W PARKER includes rubber isolators	1
10	54284GT	OPTION,GENERATOR,2500W HYD includes rubber isolators	1
11	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	4
12	5397GT	WASHER, FLAT, USS, 5/16-18	8
13	4828GT	NUT, NYLOCK, 3/8-16	4
14	84080GT	ISOLATR KIT,RUBBR,2KW GENERATR	8

807.1 Pipe Cradle



Item	Part No.	Description	Qty.
A	85300GT	PIPE CRADLE ASSY. SERV (ONE)** (ANSI & CE only) (This is a single assembly. Qty 2 of 85300GT required to complete a set)	
A-	65630GT	INSTRUCTIONS-PIPE CRADLE,BOOMS	
1	824083GT	SCREW,HHF,1/4-20X2.5,8,ZAG	4
2	1277924GT	NUT,NYLOCK FLG,1/4-20,F,ZAG	4
3	56570GT	STRAP, CONDUIT HOLDER 60"***	2
4	19018-1100GT	TRIMLOCK,BLACK,5/32"	2
5	55753GT	BUMPER, PLASTIC, 1.25 O.D.	4
6	56525GT	WELDMENT, PIPE CRADLE	2
6-	72875GT	DECAL,WARNING,PIPE CRADLE,BOOM	
7	81368GT	WELDMENT,PIPE CRADLE MOUNT	4
8	1251600GT	U-BOLT, FLATTENED, 1.5DIA. X 3/8 UNC,ZAG	8
9	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	16

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Notes

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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