Genie®
A TEREX BRAND

Parts Manual

Serial Number Range

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

from Z452513A-48936 to Z452516A-55298

from SN 13B-3301 to Z452516B-5452

from SN Z452516N-55299 to Z452516N-56105

Part No. 826282GT
Rev: E.04
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.

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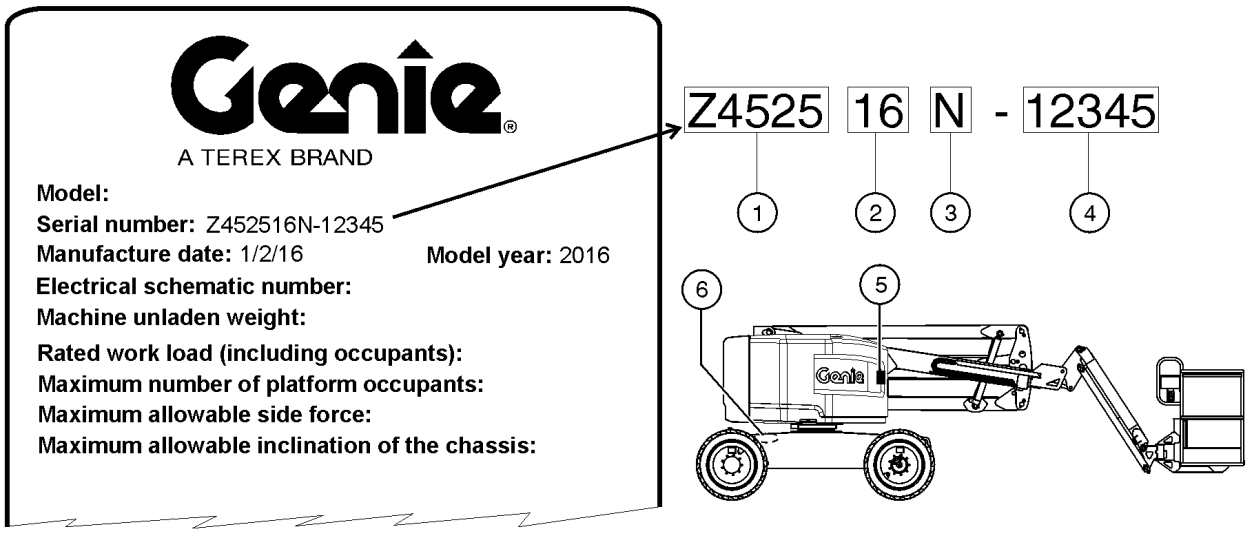
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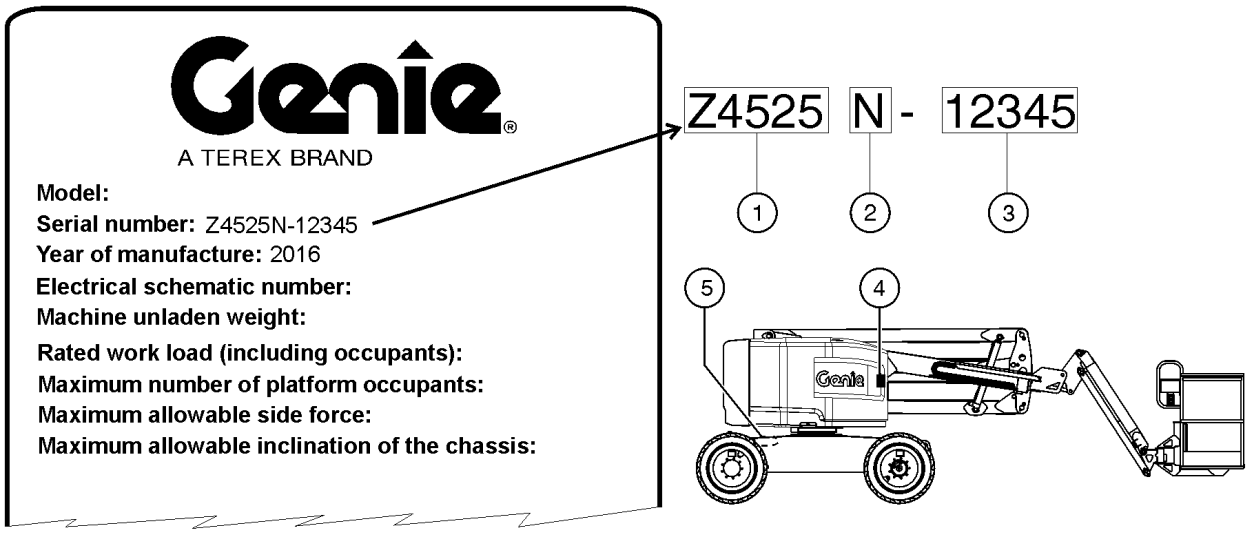
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To August 31, 2016



1 Model
2 Model year
3 Facility code
4 Sequence number
5 Serial label (located under cover)
6 Serial number (stamped on chassis)

From September 1, 2016



1 Model
2 Facility code
3 Sequence number
4 Serial label (located under cover)
5 Serial number (stamped on chassis)

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

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Telephone +65 6692 7777

Fax +65 6261 8893

http://genielift.com.sg/

Australia

Telephone (61)(7)3456 4444

Fax (61)(7)3456 4466

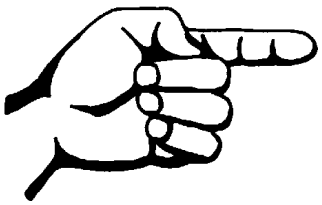
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South America

Telephone (55)(11)4082 5600

Fax (55)(11)4082 5630

Please refer to section 001 for the Recommended Spare Parts List.



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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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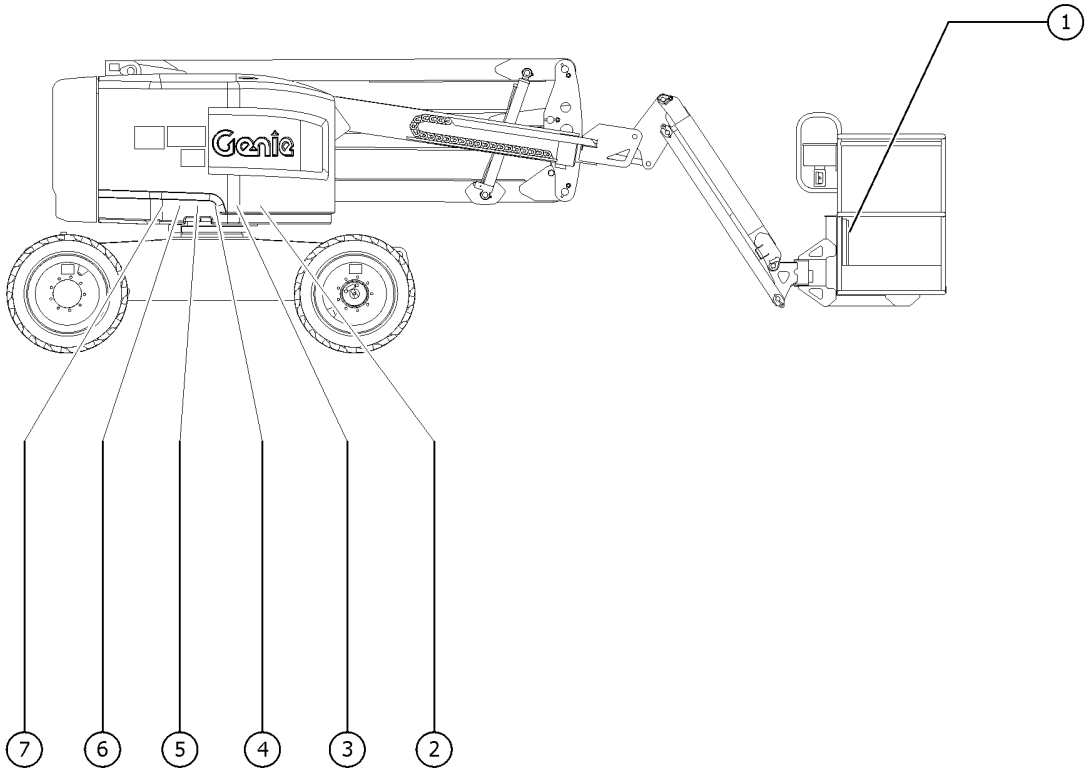
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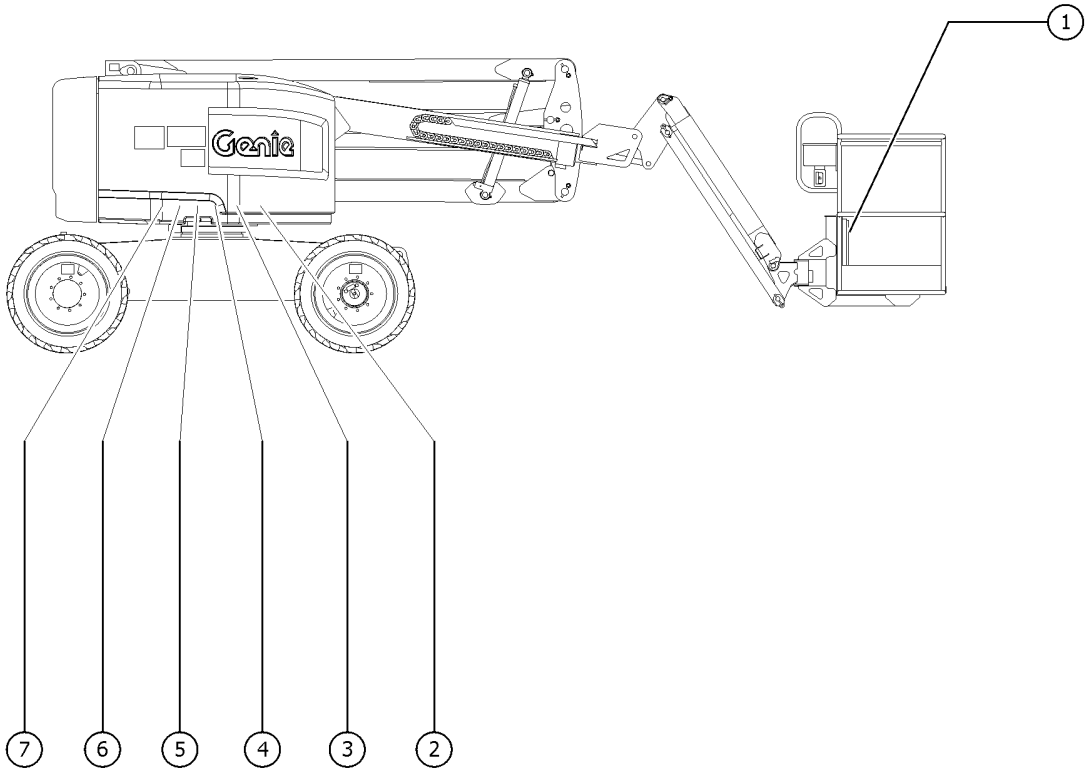
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001.1 Parts Stocking List



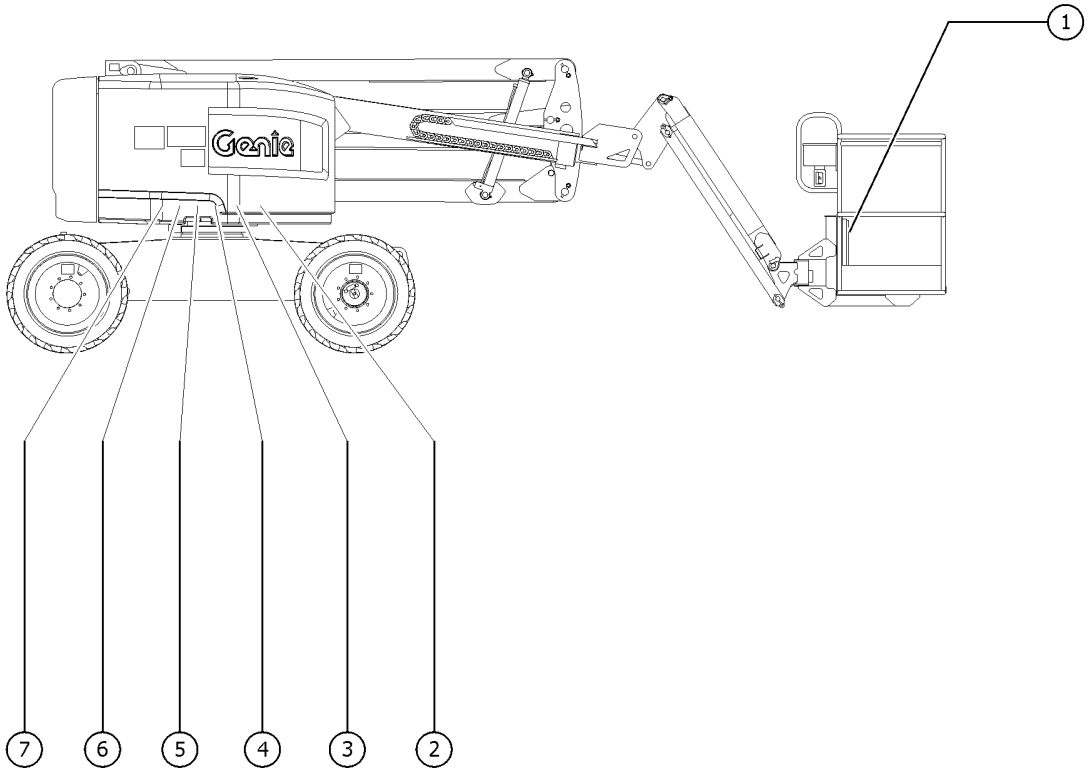
Item	Part No.	Description	Qty.
A		— INSPECTION SERVICE KITS —	
A-	1278707GT	KIT,ANNUAL INSPECTION,Z45/25IC (includes 1268229, 60857,and 77353)	
A-	1278708GT	KIT,ENGINE SERVICE,250 HOUR,DEUTZ D2.9,,Z45/S40/S60/Z62/RT90 Deutz D2.9L4 Models, (includes 49924, 62420, 214228 and 236260)	
A-	1278709GT	KIT,ENGINE SERVICE,250 HOUR,FDMSG425,Z45/S40/S60/Z62/RT90 Ford MSG425 Models, (includes 77295, 119984, and 215292)	
A-	1285420GT	KIT,ANNUAL INSPECTION,Z45/Z62/S60 all models (from SN A-48936 to A-55298)	
A-	1285420GT	KIT,ANNUAL INSPECTION,Z45/Z62/S60 all models (from SN B-1201 to B-3300)	
A-	1285420GT	KIT,ANNUAL INSPECTION,Z45/Z62/S60 all models (from SN D-109 to D-854)	
B		— GENERAL SERVICE PARTS —	
B-	1484GT	PAINT, AEROSOL, BRIGHT BLUE*** 12-ounce spray paint	
B-	1268GT	PAINT, AEROSOL, GENIE GRAY*** 12-ounce spray paint	
B-	1258567GT	PAINT, AEROSOL, TRAFFIC BLACK 12-ounce spray paint	
B-	32150GT	PAINT, WET, GENIE BLUE (1 GL)** 1-gallon	
B-	32151GT	PAINT, WET, GENIE GRAY (1GL)** 1-gallon	
B-	1257733GT	PAINT, WET, TRAFFIC BLACK(1 GL)** 1-gallon	
B-	66399GT	GREASE, DIELECTRIC 4 OZ**	
B-	1283776GT	SEAL MARKER,CROSS CHECK,BLUE,TUBE	
B-	93500GT	PARKER DIGITAL PRESSURE GAUGE	
B-	49612GT	O-RING KIT (ORFS FITTINGS) O-ring kit, ORFS	
B-	49613GT	PLUG AND CAP KIT-SERVICE,ORFS* Plug and cap kit, ORFS	
B-	28750GT	O-RING KIT,FIELD SVC,ALL PROD* O-ring kit, SAE	
B-	33994GT	PLUG AND CAP KIT-SERVICE,37?** Plug and cap kit, SAE	
B-	36555GT	CHOCK,CYLINDER (SERVICE TOOL)	
1		— MANUALS —	
1-	27581GT	MANUAL, SAFTY MANNAL	
1-	1298933GT	MANUAL, SAIA MANUAL OF RESPONSIBILITIES, MEWP	
2		— HYD FILTERS —	
2-	77353GT	KIT,ELEMENT**	
2-	88917GT	FILTER,ELEMENT,BETA(10)=200	

001.1 Parts Stocking List



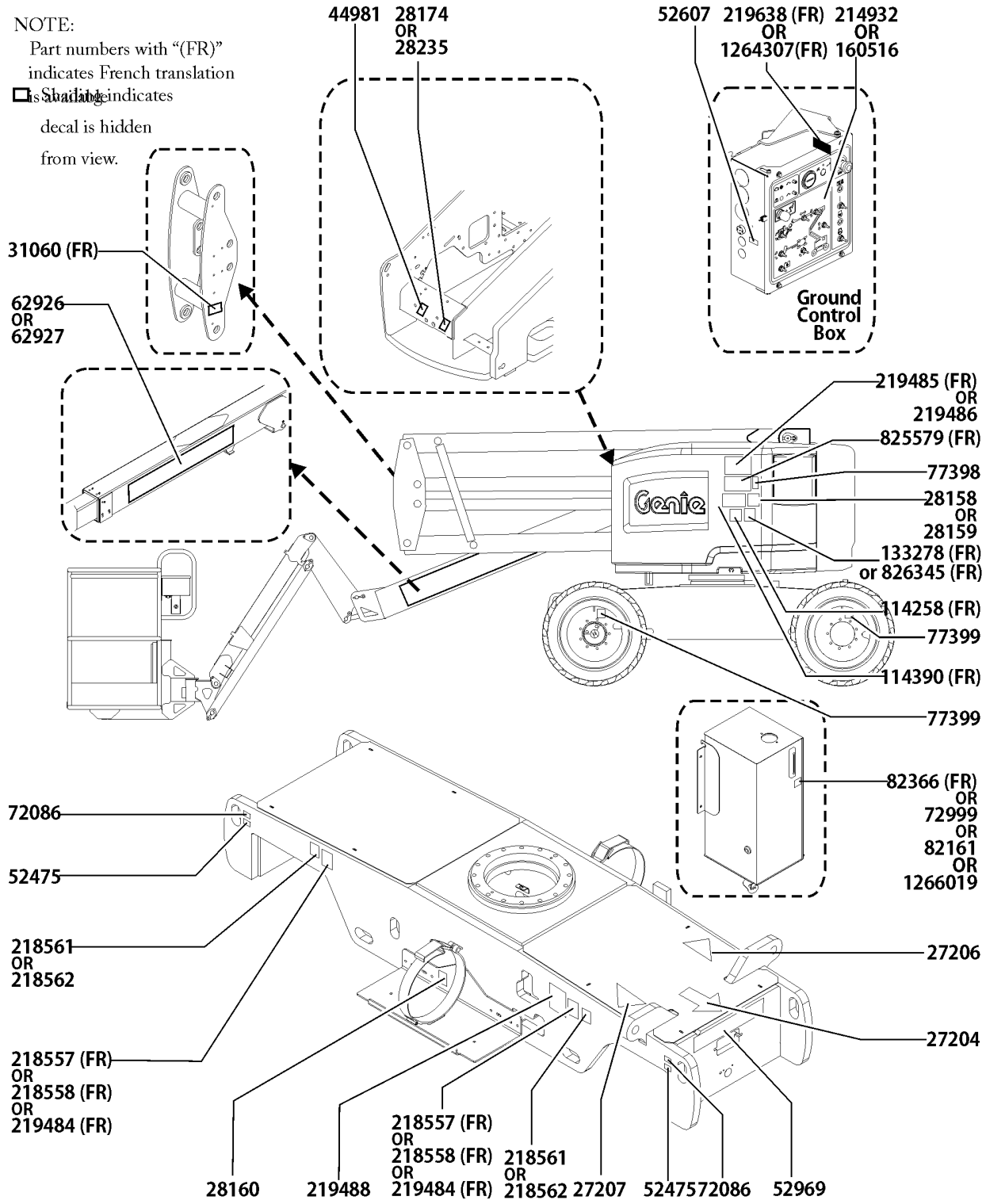
Item	Part No.	Description	Qty.
3		— DEUTZ D2011L03i MODELS —	
3-	27916GT	FILTER,AIR,ELEMENT***	
3-	29560GT	FILTER,FUEL/WTR SEP, DTZ 1008	
3-	49924GT	FILTER,OIL,DEUTZ	
3-	32698GT	BELT	
4		— DEUTZ D2.9L4 MODELS —	
4-	62420GT	FILTER, AIR D2.9L4	
4-	214228GT	FILTER, DEUTZ 2.9, FUEL	
4-	236260GT	FILTER, FUEL PRE-FILTER, SPIN-ON, DEUTZ	
4-	49924GT	FILTER,OIL,DEUTZ	
4-	1262866GT	FAN BELT, ALTERANTOR	
4-	1262867GT	V-BELT, DEUTZ	
5		— FORD MSG-425 EFI MODELS —	
5-	1272019GT	FILTER, FUEL	1
5-	119139GT	OIL FILTER,DSG-423	
5-	77295GT	FILTER ELEMENT,AIR,NOLFF LPG	
5-	215274GT	FAN DRIVE BELT, MSG425	
5-	119474GT	VALVE,PCV FORD DSG-423	
5-	215287GT	SPARK PLUG, MSG425	
6		— PERKINS 404D-22 MODELS —	
6-	62420GT	FILTER, AIR D2.9L4	
6-	62433GT	FILTER,ELEMENT,30 MIC,75020	
6-	94762GT	OIL FILTER - PERKINS	
6-	89765GT	BELT, V (PERKINS 404)	
6-	72346GT	FILTER,FUEL, PERKINS (54555)	
7		— PERKINS 404F-22 MODELS —	
7-	62420GT	FILTER, AIR D2.9L4	
7-	94762GT	OIL FILTER - PERKINS	

001.1 Parts Stocking List



Item	*Part No.*	*Description*	*Qty.*
7-	62433GT	FILTER,ELEMENT,30 MIC,75020	
7-	1262484GT	FUEL FILTER ASSY,PERKINS 404D/	
7-	62421GT	FILTER,FUEL,PERKINS	
7-	89765GT	BELT, V (PERKINS 404)	
7-	1253750GT	BELT,AIR PUMP,PERKINS 404F	

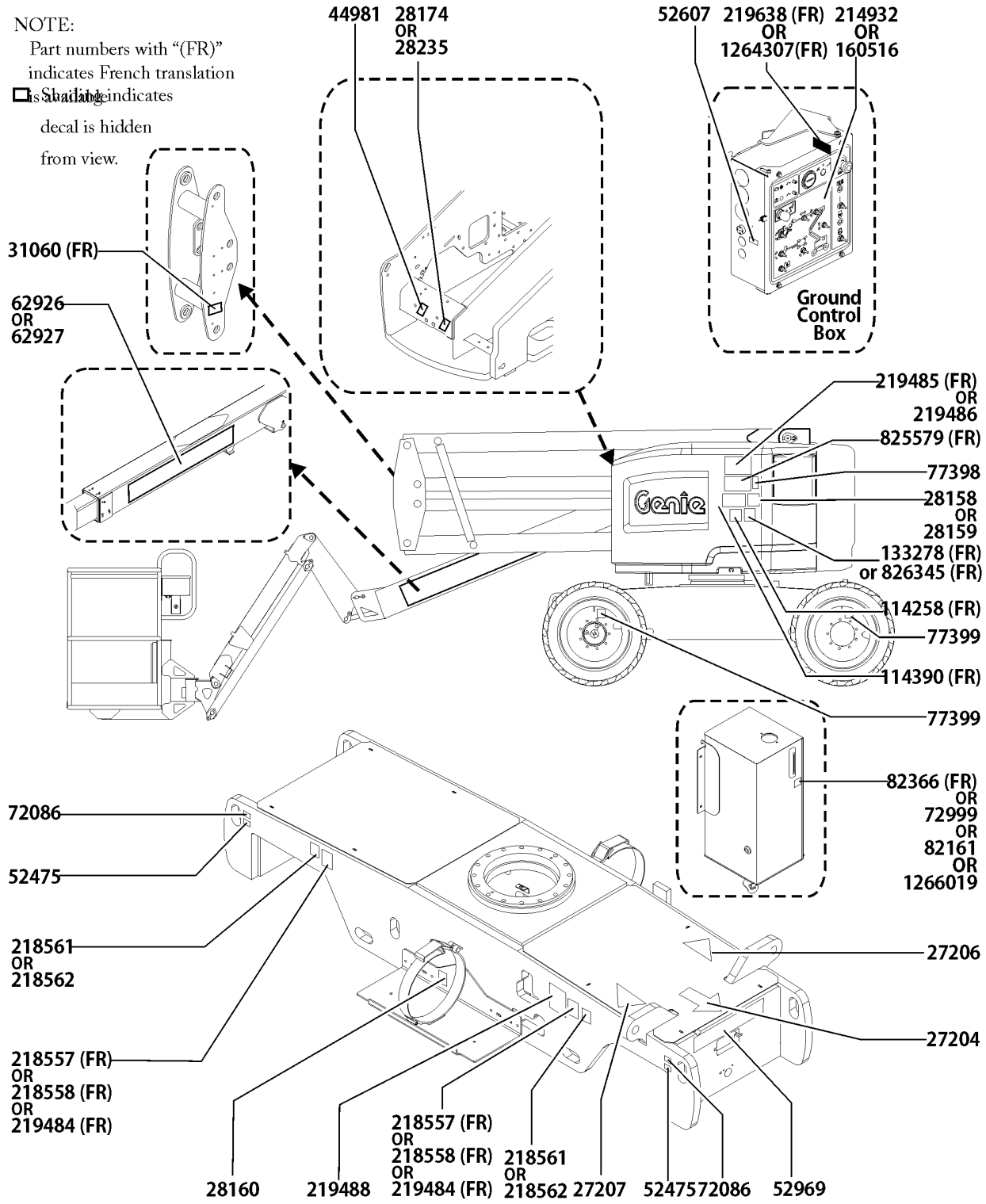
101.1 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25



101.1 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25

Item	Part No.	Description	Qty.
A	826422GT	DECAL KIT,Z45 COMP,WRD,USA Complete Decal Kit, ANSI (from SN A-48936)	
B	160757GT	DECAL KIT,Z45 PLT,WRD,ANSI/CSA Platform Decal Kit, ANSI/CSA (from SN A-48936)	
C	826418GT	DECAL KIT,Z45 COMP,WRD,CSA Complete Decal Kit, CSA (from SN A-48936)	
D	160759GT	DECAL KIT,Z45 COMP,WRD,AUS Complete Decal Kit, AUS (from SN A-48936) (from B-1201)	
E	160762GT	DECAL KIT,Z45&Z51 PLAT,WRD,AUS Platform Decal Kit, AUS (from SN A-48936) (from B-1201)	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28158GT	DECAL,LABEL,UNLEADED GAS ONLY (Gasoline models)	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
10	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
11	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
12	52607GT	DECAL,LABEL,TEST***	1
13	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
15	62927GT	DECAL,COSMETIC,GENIE Z-45/25 (Z-45/25)	1
16	72086GT	DECAL,LABEL,LIFTING EYE	2
17	72999GT	DECAL,LABEL,PETRO CANADA*** (models with Petro Canada)	1
18	77398GT	DECAL,TIRE SEALANT,3.25 X 7.5	1
19	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
20	82161GT	DECAL,LABEL,UCON HYDROLUBE (models with UCON Hydrolube)	1
21	82366GT	DECAL,CHEVRON RANDO HD (models with Chevron Rando)	1
22	114258GT	DECAL,DANGER,NO SMOKING	1
23	114390GT	DECAL,DANGER,ELECT HAZARD***	1
24	133278GT	DECAL,LOW/ULTRA LOW SULFR FUEL (Diesel models)	1

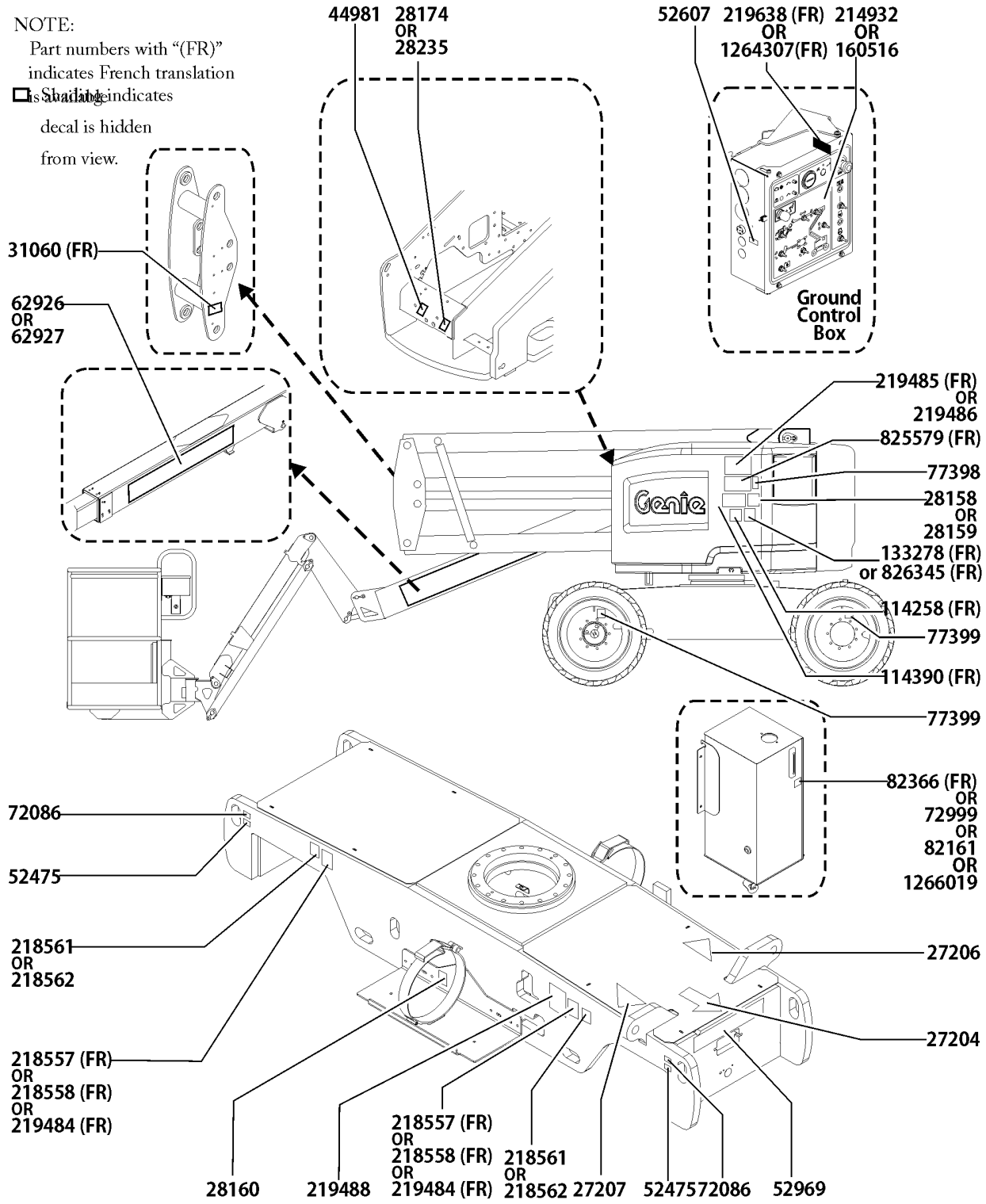
101.1 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25



101.1 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25

Item	Part No.	Description	Qty.
25	160516GT	DECAL,LABEL,TRANSPORT (USA models only)	
26	214932GT	DECAL,GROUND CONTROL PANEL	1
27	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
28	218558GT	DECAL,DANGER,TIPOVER,HF TIRES (models with high floatation tires)	2
29	218561GT	DECAL,WHEEL LOAD,Z45/25 RT (Z-45/25)	2
32	219485GT	DECAL,OPER INST, GROUND CONT (ANSI models)	1
33	219486GT	DECAL,OP INST,GROUND,AUS (AUS models)	1
34	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
35	219638GT	DECAL,LABEL,RELAYS,Z45IC,Z51 (to SN Z452515A-53480)(to SN Z452515B-4518)(to SN Z452515D-532)	1
36	825579GT	DECAL, LCD, TIER 4 (USA models only)	1
37	826345GT	DECAL,ULS DIESEL ONLY,TIER 4 (USA models only)	1
38	1264307GT	DECAL,LABEL,RELAYS,Z45IC,Z51 (from SN Z452515A-53481)(from SN Z452515B-4519)(from SN Z452515D-533)	
39	1266019GT	DECAL, LABEL, SHELL TELLUS (models with Shell Tellus)	

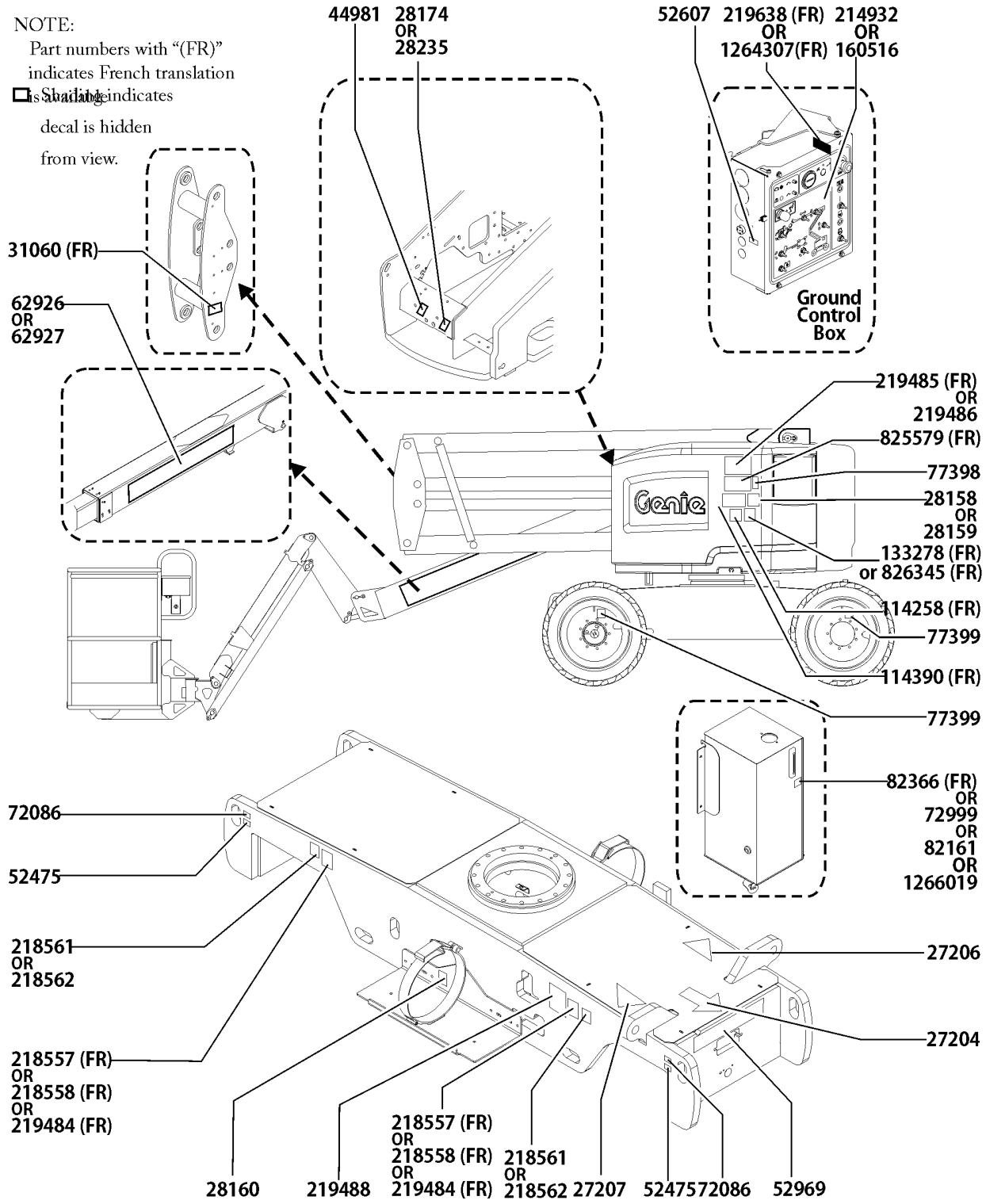
101.2 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25J



101.2 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25J

Item	Part No.	Description	Qty.
A	826422GT	DECAL KIT,Z45 COMP,WRD,USA Complete Decal Kit, ANSI (from SN A-48936)	
B	160757GT	DECAL KIT,Z45 PLT,WRD,ANSI/CSA Platform Decal Kit, ANSI/CSA (from SN A-48936)	
C	826418GT	DECAL KIT,Z45 COMP,WRD,CSA Complete Decal Kit, CSA (from SN A-48936)	
D	160759GT	DECAL KIT,Z45 COMP,WRD,AUS Complete Decal Kit, AUS (from SN A-48936) (from B-1201)	
E	160762GT	DECAL KIT,Z45&Z51 PLAT,WRD,AUS Platform Decal Kit, AUS (from SN A-48936) (from B-1201)	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28158GT	DECAL,LABEL,UNLEADED GAS ONLY (Gasoline models)	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
10	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
11	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
12	52607GT	DECAL,LABEL,TEST***	1
13	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
14	62926GT	DECAL,COSMETIC,GENIE Z-45/25J (Z-45/25J)	1
16	72086GT	DECAL,LABEL,LIFTING EYE	2
17	72999GT	DECAL,LABEL,PETRO CANADA*** (models with Petro Canada)	1
18	77398GT	DECAL,TIRE SEALANT,3.25 X 7.5	1
19	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
20	82161GT	DECAL,LABEL,UCON HYDROLUBE (models with UCON Hydrolube)	1
21	82366GT	DECAL,CHEVRON RANDO HD (models with Chevron Rando)	1
22	114258GT	DECAL,DANGER,NO SMOKING	1
23	114390GT	DECAL,DANGER,ELECT HAZARD***	1
24	133278GT	DECAL,LOW/ULTRA LOW SULFR FUEL (Deutz D2011L3i and Perkins 404D-22)	1

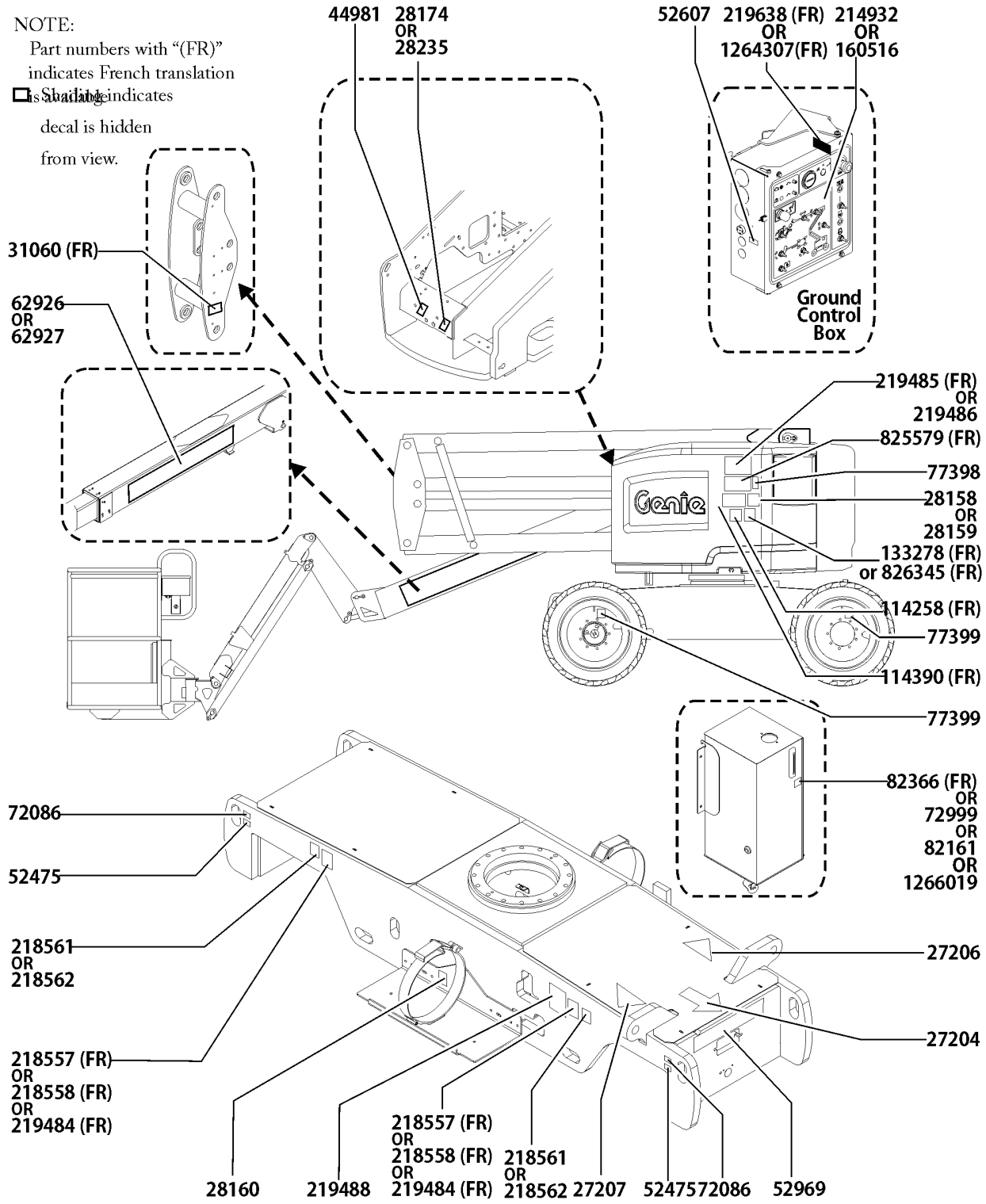
101.2 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25J



101.2 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia, Z-45/25J

Item	Part No.	Description	Qty.
25	160516GT	DECAL,LABEL,TRANSPORT (USA models only)	
26	214932GT	DECAL,GROUND CONTROL PANEL	1
27	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
28	218558GT	DECAL,DANGER,TIPOVER,HF TIRES (models with high floatation tires)	2
30	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
31	219484GT	DECAL,DANGER,TIP,FOAM TIRES (Z-45/25J) (models with aircraft protection or pipe cradle option	2
32	219485GT	DECAL,OPER INST, GROUND CONT (ANSI models)	1
33	219486GT	DECAL,OP INST,GROUND,AUS (AUS models)	1
34	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
35	219638GT	DECAL,LABEL,RELAYS,Z45IC,Z51	1
36	825579GT	DECAL, LCD, TIER 4 (USA models only)	1
37	826345GT	DECAL,ULS DIESEL ONLY,TIER 4 (Deutz D2.9L4 and Perkins 404F-22)	1
38	1266019GT	DECAL, LABEL, SHELL TELLUS (models with Shell Tellus)	

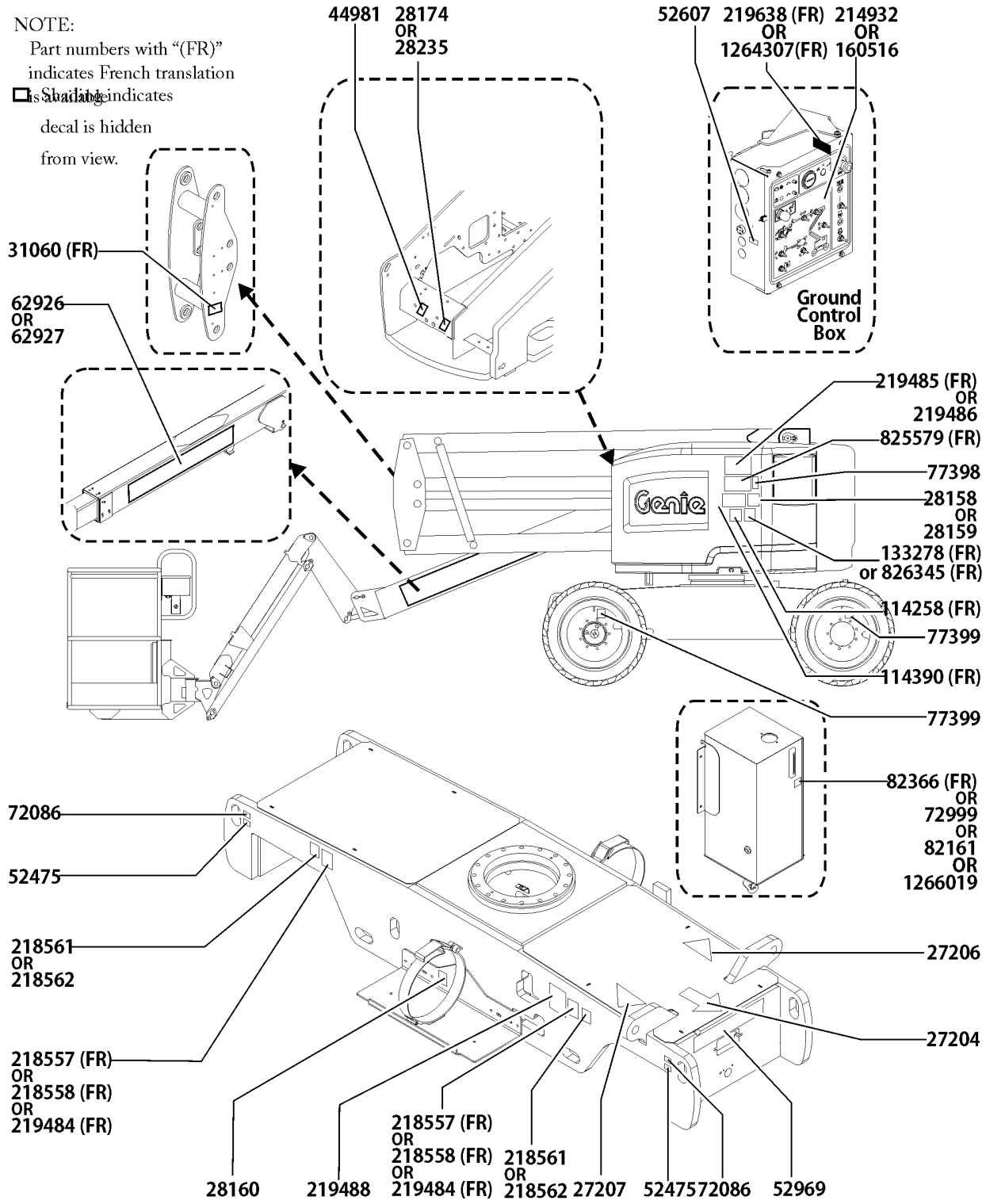
101.3 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia



101.3 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia

Item	Part No.	Description	Qty.
A	826422GT	DECAL KIT,Z45 COMP,WRD,USA Complete Decal Kit, ANSI (from SN A-48936)	
B	160757GT	DECAL KIT,Z45 PLT,WRD,ANSI/CSA Platform Decal Kit, ANSI/CSA (from SN A-48936)	
C	826418GT	DECAL KIT,Z45 COMP,WRD,CSA Complete Decal Kit, CSA (from SN A-48936)	
D	160759GT	DECAL KIT,Z45 COMP,WRD,AUS Complete Decal Kit, AUS (from SN A-48936) (from B-1201)	
E	160762GT	DECAL KIT,Z45&Z51 PLAT,WRD,AUS Platform Decal Kit, AUS (from SN A-48936) (from B-1201)	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
10	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
11	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
12	52607GT	DECAL,LABEL,TEST***	1
13	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
14	62926GT	DECAL,COSMETIC,GENIE Z-45/25J (Z-45/25J)	1
16	72086GT	DECAL,LABEL,LIFTING EYE	2
17	72999GT	DECAL,LABEL,PETRO CANADA***	1
18	77398GT	DECAL,TIRE SEALANT,3.25 X 7.5	1
19	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
20	82161GT	DECAL,LABEL,UCON HYDROLUBE	1
21	82366GT	DECAL,CHEVRON RANDO HD	1
22	114258GT	DECAL,DANGER,NO SMOKING	1
23	114390GT	DECAL,DANGER,ELECT HAZARD***	1
24	133278GT	DECAL,LOW/ULTRA LOW SULFR FUEL (Diesel models)	1
26	214932GT	DECAL,GROUND CONTROL PANEL	1

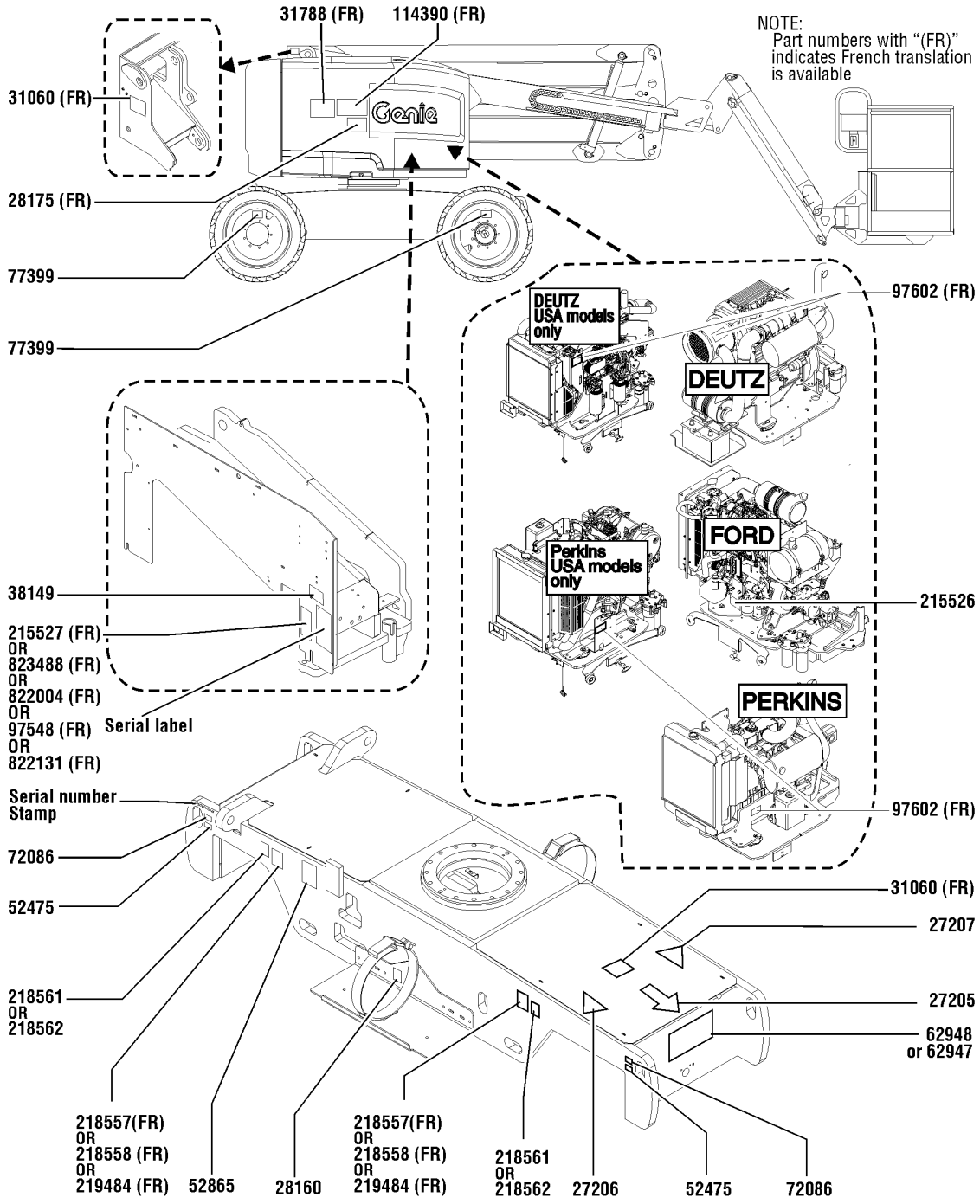
101.3 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia



101.3 Decals with Words, Hydraulic Tank Side, ANSI, CSA, Australia

Item	*Part No.*	*Description*	*Qty.*
27	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
30	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
31	219484GT	DECAL,DANGER,TIP,FOAM TIRES (Z-45/25J) (models with aircraft protection or pipe cradle option	2
33	219486GT	DECAL,OP INST,GROUND,AUS (AUS models)	1
34	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
35	219638GT	DECAL,LABEL,RELAYS,Z45IC,Z51	1

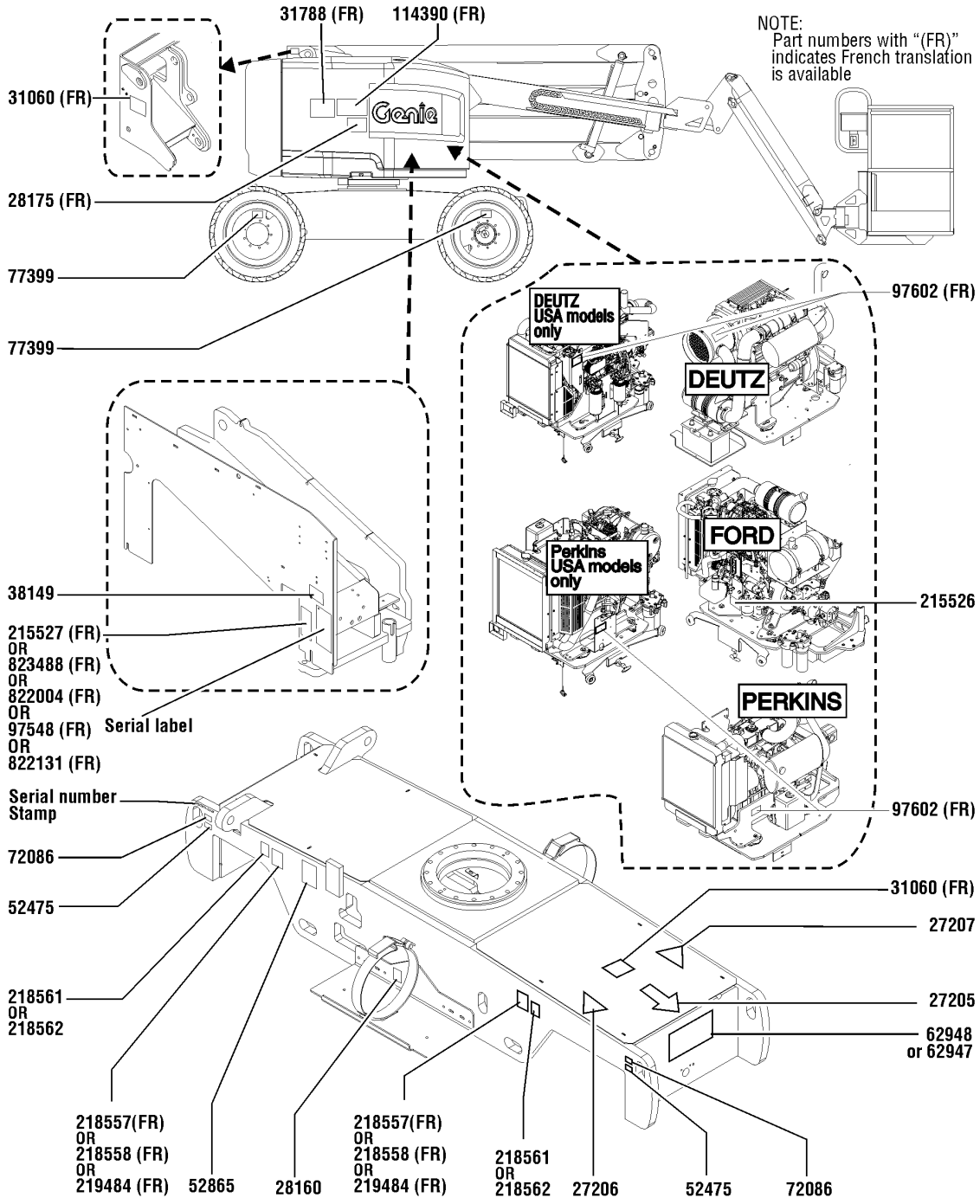
102.1 Decals with Words, Engine Side, ANSI, CSA, Australia, Z-45/25



102.1 Decals with Words, Engine Side, ANSI, CSA, Australia, Z-45/25

Item	Part No.	Description	Qty.
1		Ref. Word Decal Kits (refer to 101.1)	
2	27205GT	DECAL,ARROW YELLOW LRG 9"	1
3	27206GT	DECAL,TRIANGLE,BLUE	1
4	27207GT	DECAL,TRIANGLE,YELLOW	1
5	28160GT	DECAL,LABEL,LIQUID PROPANE	1
6	28175GT	DECAL,WARNING-COMPART ACCESS	1
7	38149GT	DECAL,LABEL,PATENTS (ANSI only)	1
8	31060GT	DECAL,DANGER DO NOT ALTER SWTC	2
9	31788GT	DECAL,DANGER,BATTERY SAFETY***	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
11	52865GT	DECAL,ANNUAL INSP*** (ANSI only)	1
12	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
13	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
16	97548GT	DECAL,ENGINE SPEC,DEUTZ 2011 (Diesel models) (CE, AUS, CSA, Asia, & S. America models)	1
17	97602GT	DECAL,EXPLOSION HAZARD	1
18	114390GT	DECAL,DANGER,ELECT HAZARD***	1
19	215526GT	DECAL,LABEL,BELT,MSG425	1
20	215527GT	DECAL,FORD ENGINE SPEC MSG425 (Gasoline models)	1
21	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
22	218558GT	DECAL,DANGER,TIPOVER,HF TIRES (models with high floatation tires)	2
23	218561GT	DECAL,WHEEL LOAD,Z45/25 RT (Z-45/25)	2
25	219484GT	DECAL,DANGER,TIP,FOAM TIRES (Z-45/25J) (models with aircraft protection or pipe cradle option)	2
26	822004GT	DECAL, ENGINE SPEC, 404F-22 (Perkins models) (USA models only)	1
27	822131GT	DECAL, ENGINE SPEC, D2.9 (Deutz models) (USA models only)	1
28	823488GT	DECAL,ENGINE SPEC,PERKINS (Perkins models) (CE, AUS, CSA, Asia, & S. America models)	1

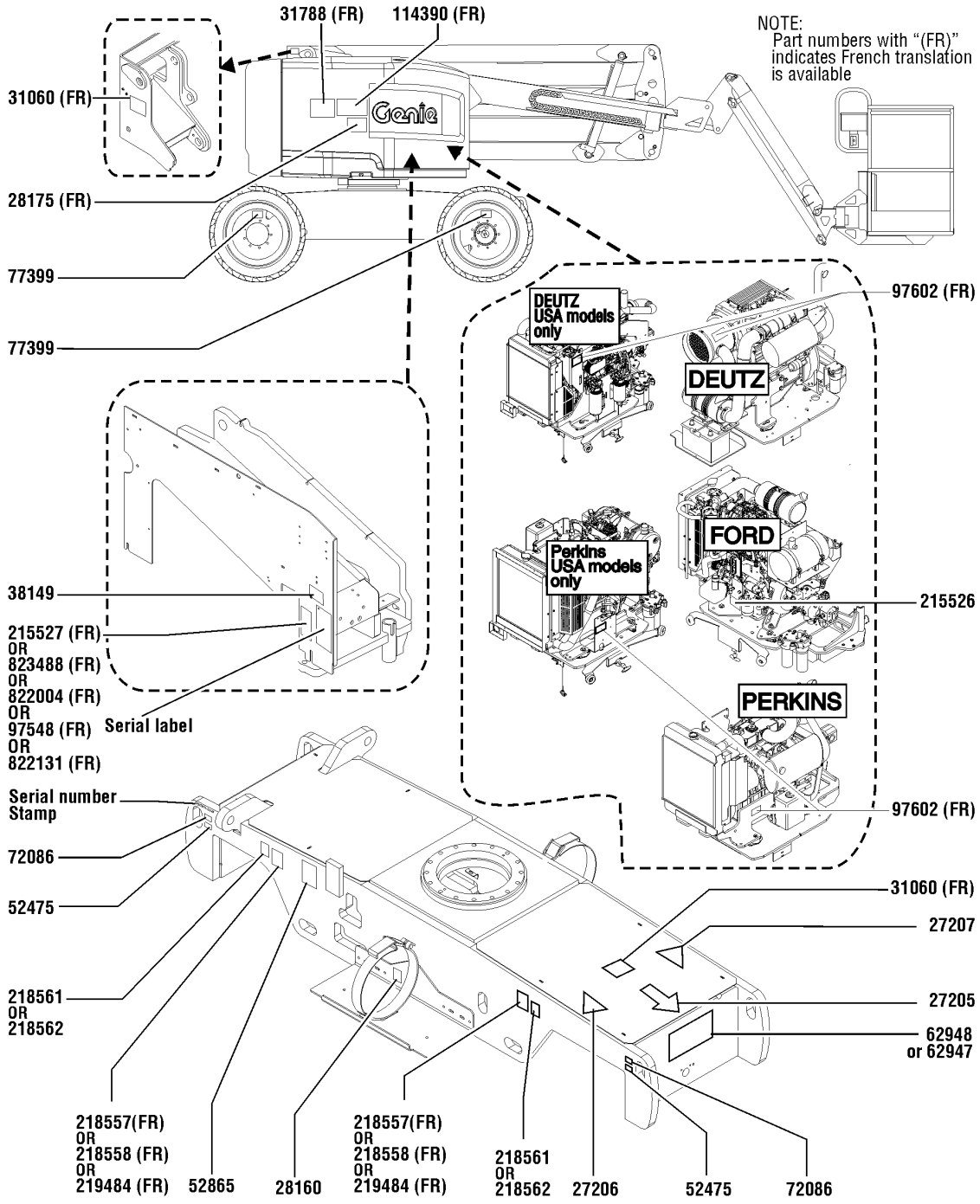
102.2 Decals with Words, Engine Side, ANSI, CSA, Australia, Z-45/25J



102.2 Decals with Words, Engine Side, ANSI, CSA, Australia, Z-45/25J

Item	Part No.	Description	Qty.
1		Ref. Word Decal Kits (refer to 101.1)	
2	27205GT	DECAL,ARROW YELLOW LRG 9"	1
3	27206GT	DECAL,TRIANGLE,BLUE	1
4	27207GT	DECAL,TRIANGLE,YELLOW	1
5	28160GT	DECAL,LABEL,LIQUID PROPANE	1
6	28175GT	DECAL,WARNING-COMPART ACCESS	1
7	38149GT	DECAL,LABEL,PATENTS (ANSI only)	1
8	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
9	31788GT	DECAL,DANGER,BATTERY SAFETY***	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
11	52865GT	DECAL,ANNUAL INSP*** (ANSI only)	1
12	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
13	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
16	97548GT	DECAL,ENGINE SPEC,DEUTZ 2011 (Diesel models) (CE, AUS, CSA, Asia, & S. America models)	1
17	97602GT	DECAL,EXPLOSION HAZARD	1
18	114390GT	DECAL,DANGER,ELECT HAZARD***	1
19	215526GT	DECAL,LABEL,BELT,MSG425	1
20	215527GT	DECAL,FORD ENGINE SPEC MSG425 (Gasoline models)	1
21	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
22	218558GT	DECAL,DANGER,TIPOVER,HF TIRES (models with high floatation tires)	2
24	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
25	219484GT	DECAL,DANGER,TIP,FOAM TIRES (Z-45/25J) (models with aircraft protection or pipe cradle option)	2
26	822004GT	DECAL, ENGINE SPEC, 404F-22 (Perkins models) (USA models only)	1
27	822131GT	DECAL, ENGINE SPEC, D2.9 (Deutz models) (USA models only)	1
28	823488GT	DECAL,ENGINE SPEC,PERKINS (Perkins models) (CE, AUS, CSA, Asia, & S. America models)	1

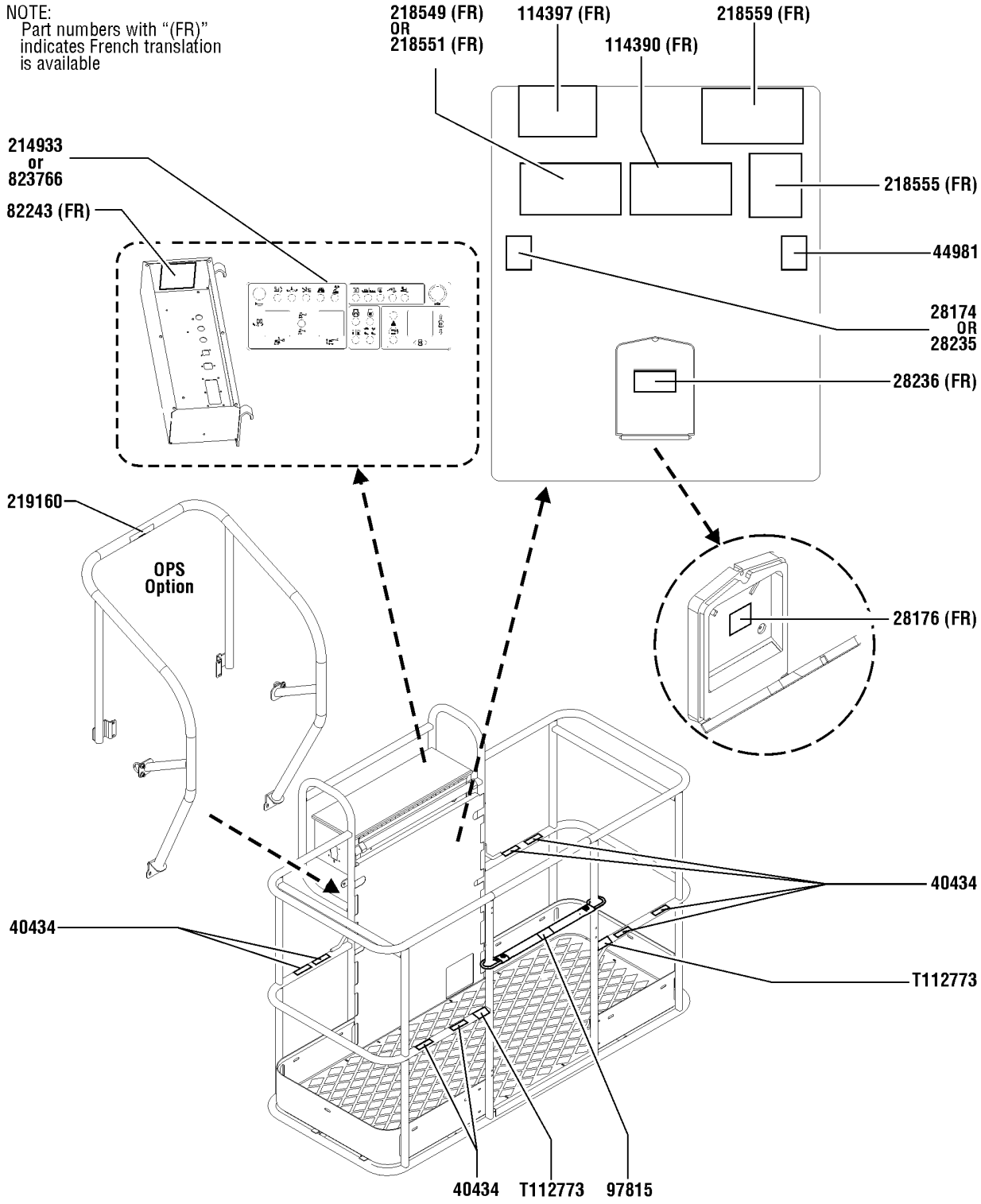
102.3 Decals with Words, Engine Side, ANSI, CSA, Australia



102.3 Decals with Words, Engine Side, ANSI, CSA, Australia

Item	Part No.	Description	Qty.
1		Ref. Word Decal Kits (refer to 101.1)	
2	27205GT	DECAL,ARROW YELLOW LRG 9"	1
3	27206GT	DECAL,TRIANGLE,BLUE	1
4	27207GT	DECAL,TRIANGLE,YELLOW	1
5	28160GT	DECAL,LABEL,LIQUID PROPANE	1
6	28175GT	DECAL,WARNING-COMPART ACCESS	1
8	31060GT	DECAL,DANGER DO NOT ALTER SWTC	1
9	31788GT	DECAL,DANGER,BATTERY SAFETY***	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
12	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
13	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	77399GT	DECAL,TIRE SEALANT,1.5 X 1.5	2
16	97548GT	DECAL,ENGINE SPEC,DEUTZ 2011 (Diesel models) (CE, AUS, CSA, Asia, & S. America models)	1
17	97602GT	DECAL,EXPLOSION HAZARD	1
18	114390GT	DECAL,DANGER,ELECT HAZARD***	1
19	215526GT	DECAL,LABEL,BELT,MSG425	1
21	218557GT	DECAL,DANGER,TIPOVER,AIR TIRES (Z-45/25 and Z-45/25J)	2
24	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
25	219484GT	DECAL,DANGER,TIP,FOAM TIRES (Z-45/25J) (models with aircraft protection or pipe cradle option)	2
26	822004GT	DECAL, ENGINE SPEC, 404F-22 (Perkins models) (USA models only)	1
27	822131GT	DECAL, ENGINE SPEC, D2.9 (Deutz models) (USA models only)	1

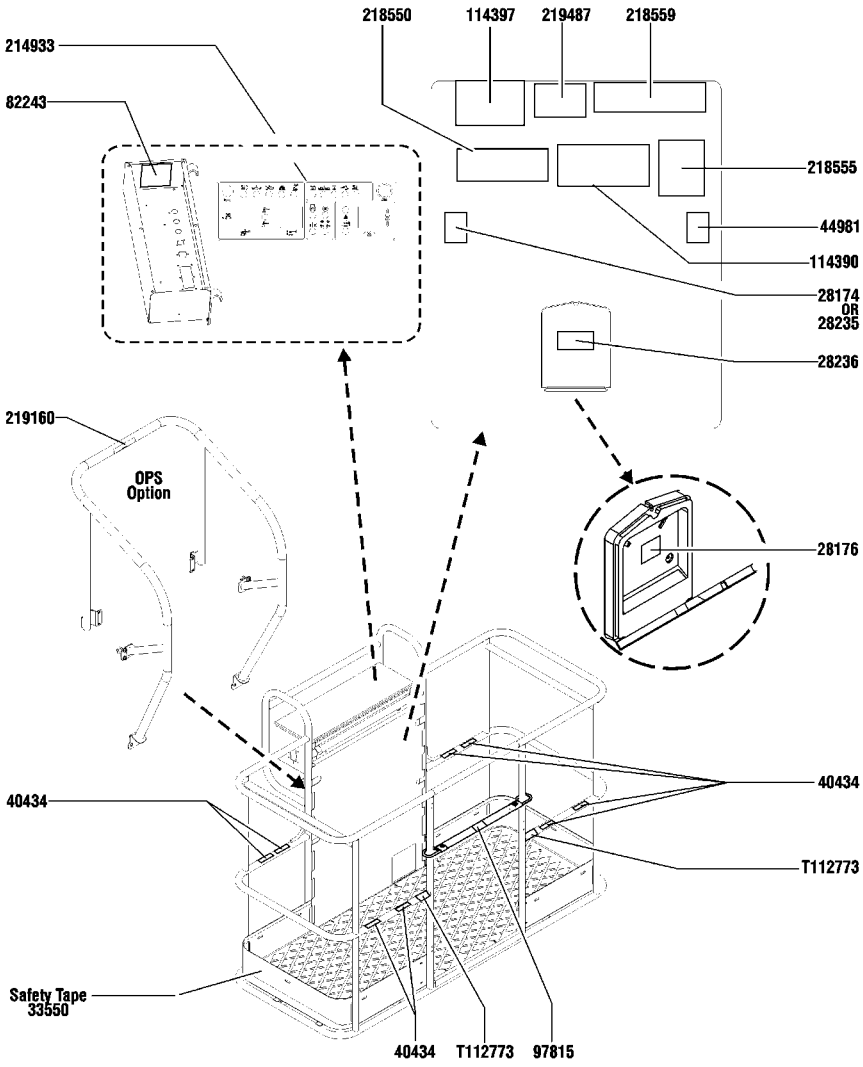
103.1 Decals with Words, Platform, ANSI & CSA, Z-45/25, Z-45/25J



103.1 Decals with Words, Platform, ANSI & CSA, Z-45/25, Z-45/25J

Item	Part No.	Description	Qty.
1		Ref. Word Decal Kits (refer to 101.1)	
2	28174GT	DECAL,POWER TO PLATFORM 230V	1
3	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
4	28235GT	DECAL,POWER TO PLATFORM 115V	1
5	28236GT	DECAL,WARN,IMPROPER OPERATION	1
6	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
7	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
8	82243GT	DECAL FAULT CODE	1
9	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
10	114390GT	DECAL,DANGER,ELECT HAZARD***	1
11	114397GT	DECAL,DANGER,TILT ALARM	1
12A	214933GT	DECAL,PLATFORM CONTROL PANEL models with round hourmeter	1
12B	823766GT	LABEL, PBOX, Z45IC 404F USA models only (models with LCD screen)	1
13	218549GT	DECAL,DANGER,CAP,ANSI WORD (ANSI models)	1
14	219160GT	DECAL, INSTRUCTION, OPS option	1
15	218551GT	DECAL,DANGER,CAP,ANSI WORD 440 (ANSI models) (models with aircraft protection or pipe cradle option)	1
16	218555GT	DECAL,WARNING,RUNAWAY MACHINE	1
17	218559GT	DECAL,DANGER/WARNING COMBO	1
18	T112773GT	TAPE, PROTECTIVE MASK	2

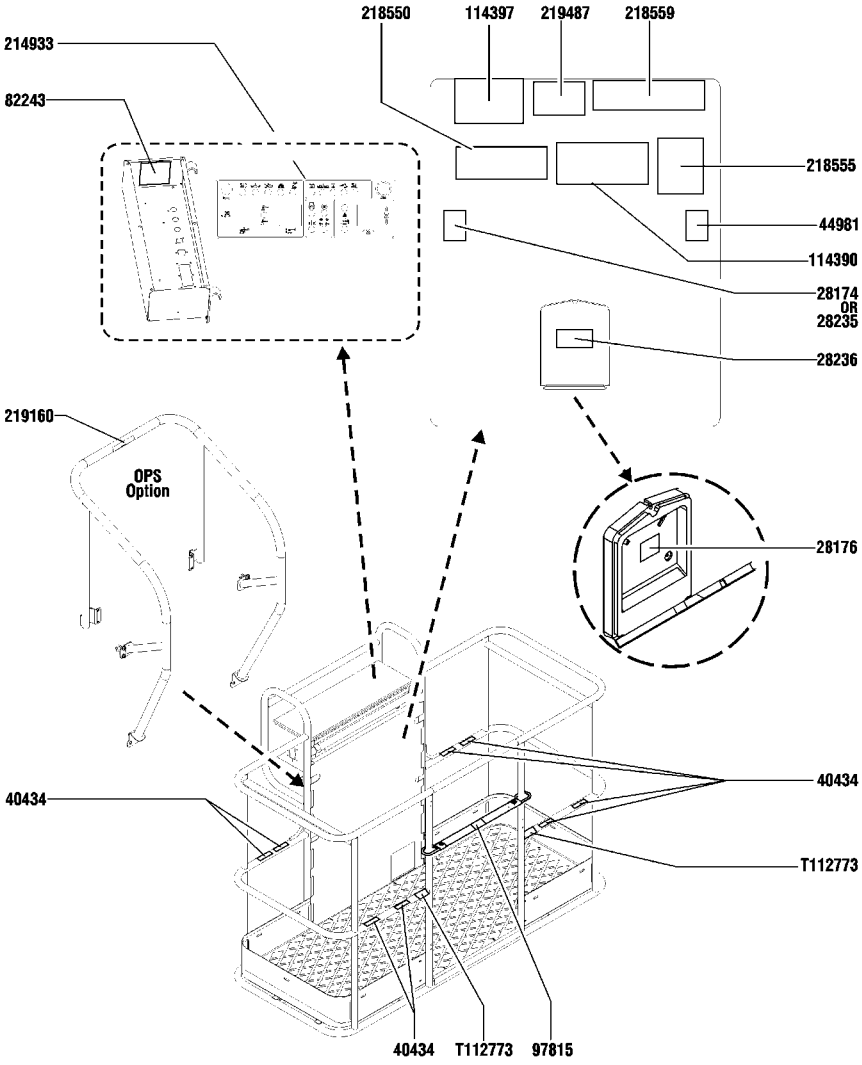
104.1 Decals with Words, Platform, Australia, Z-45/25, Z-45/25J



104.1 Decals with Words, Platform, Australia, Z-45/25, Z-45/25J

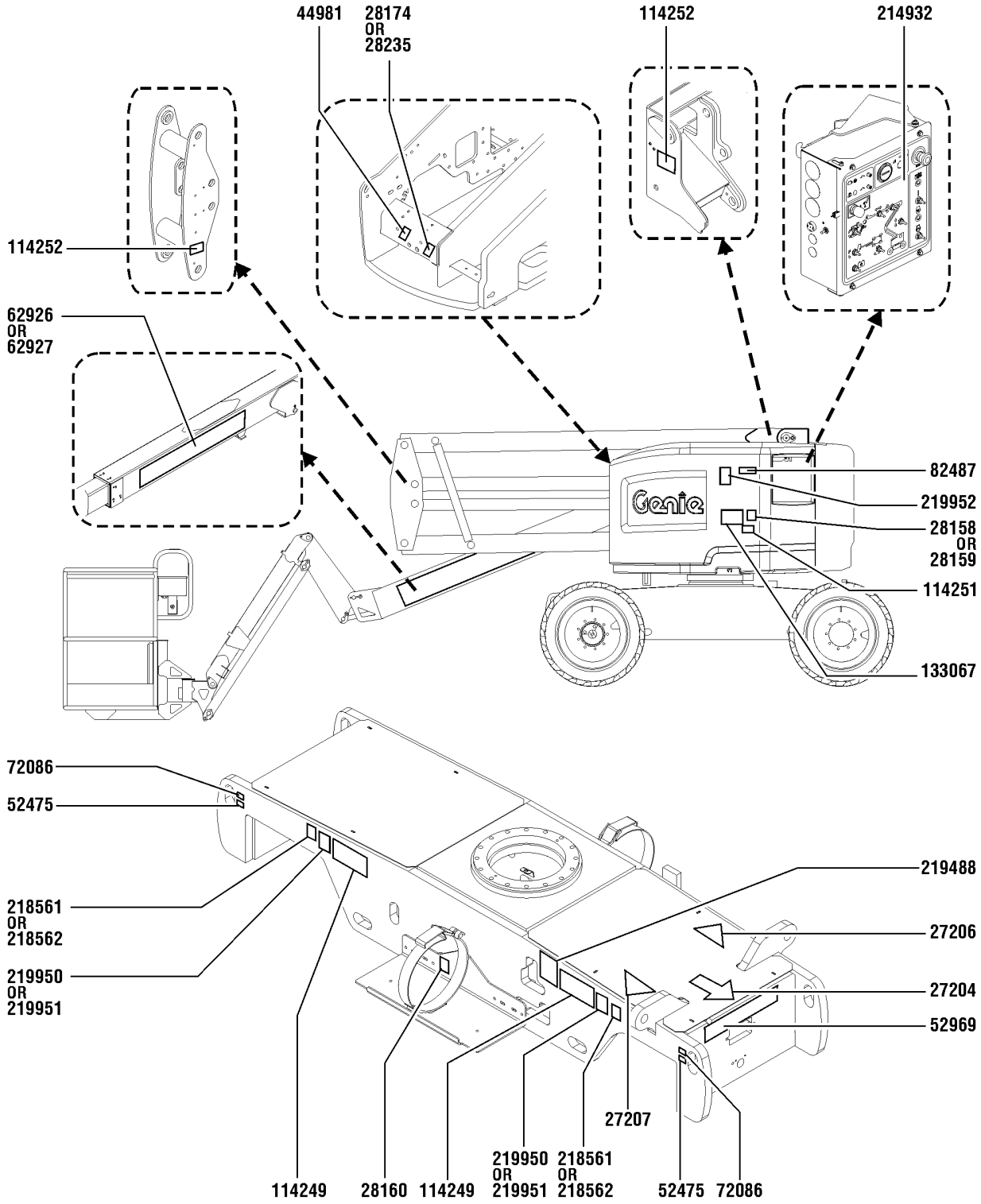
Item	Part No.	Description	Qty.
A-		Ref. Word Decal Kits (refer to 101.1)	
1	28174GT	DECAL,POWER TO PLATFORM 230V	1
2	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
3	28235GT	DECAL,POWER TO PLATFORM 115V	1
4	28236GT	DECAL,WARN,IMPROPER OPERATION	1
5	33550GT	TAPE,WARNING,BLK/YEL, 50'*** (sold by the roll. 648" per roll) (Required to be iInstalled at base of platform toeboard for Australian market)	1 roll
6	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
7	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
8	82243GT	DECAL FAULT CODE	1
9	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
10	114390GT	DECAL,DANGER,ELECT HAZARD***	1
11	114397GT	DECAL,DANGER,TILT ALARM	1
12	214933GT	DECAL,PLATFORM CONTROL PANEL models with round hourmeter	1
13	218550GT	DECAL,DANGER,CAP,AUS WORD (AUS only)	1
14	218555GT	DECAL,WARNING,RUNAWAY MACHINE	1
15	218559GT	DECAL,DANGER/WARNING COMBO	1
16	219160GT	DECAL, INSTRUCTION, OPS option	1
17	219487GT	DECAL,PLATFORM OVERLOAD (AUS only)	1
18	T112773GT	TAPE, PROTECTIVE MASK	2

104.2 Decals with Words, Platform, Australia



Item	Part No.	Description	Qty.
A-		Ref. Word Decal Kits (refer to 101.1)	
1	28174GT	DECAL,POWER TO PLATFORM 230V	1
2	28176GT	DECAL,LABEL,MANUAL NOT HERE	1
3	28235GT	DECAL,POWER TO PLATFORM 115V	1
4	28236GT	DECAL,WARN,IMPROPER OPERATION	1
5	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
6	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
7	82243GT	DECAL FAULT CODE	1
8	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
9	114390GT	DECAL,DANGER,ELECT HAZARD***	1
10	114397GT	DECAL,DANGER,TILT ALARM	1
11	214933GT	DECAL,PLATFORM CONTROL PANEL models with round hourmeter	1
12	218550GT	DECAL,DANGER,CAP,AUS WORD (AUS only)	1
13	218555GT	DECAL,WARNING,RUNAWAY MACHINE	1
14	218559GT	DECAL,DANGER/WARNING COMBO	1
15	219160GT	DECAL, INSTRUCTION, OPS	1
16	219487GT	DECAL,PLATFORM OVERLOAD (AUS only)	1
17	T112773GT	TAPE, PROTECTIVE MASK	2

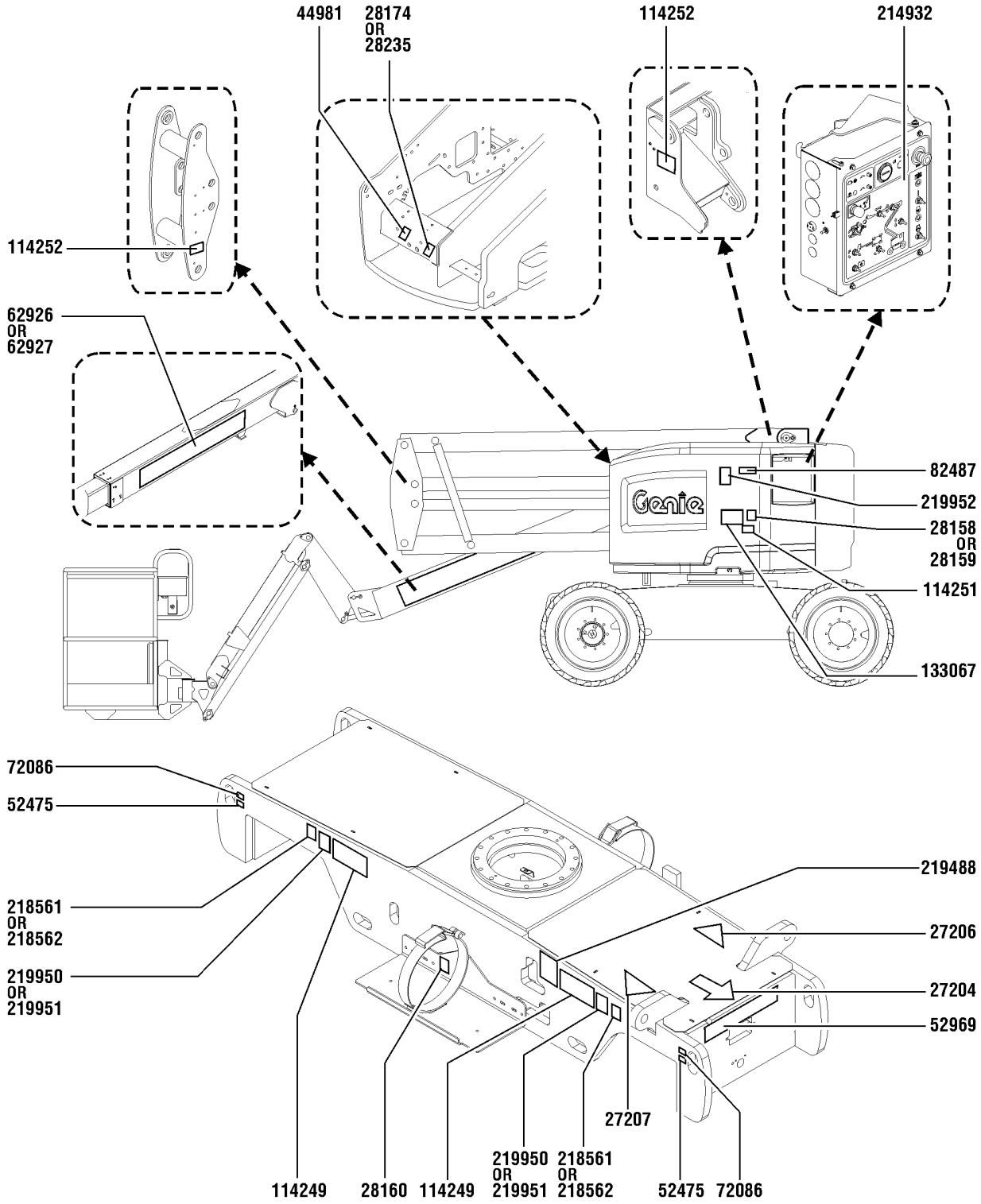
105.1 Decals with Symbols, Hydraulic Tank Side, ANSI and CE, Z-45/25



105.1 Decals with Symbols, Hydraulic Tank Side, ANSI and CE, Z-45/25

Item	Part No.	Description	Qty.
A	160764GT	DECAL KIT,Z45 COMP,SYM,ANSI Complete Decal Kit, ANSI (from SN A-47001)	
B	160766GT	DECAL KIT,Z45 PLAT,SYM,ANSI Platform Decal Kit, ANSI	
C	160768GT	DECAL KIT,Z45 COMP,SYM,CE Complete Decal Kit, CE (from SN A-47001) (from B-1201)	
D	160770GT	DECAL KIT,Z45&Z51 PLAT,SYM,CE Platform Decal Kit, CE	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28158GT	DECAL,LABEL,UNLEADED GAS ONLY (Gas models)	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
11	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
13	62927GT	DECAL,COSMETIC,GENIE Z-45/25 (Z-45/25)	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
16	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
17	114251GT	DECAL,LABEL,NO SMOKING,SYMB	1
18	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	2
19	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
20	214932GT	DECAL,GROUND CONTROL PANEL	1
21	218561GT	DECAL,WHEEL LOAD,Z45/25 RT (Z-45/25)	2
23	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
24	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2
25	219951GT	DECAL,TIRE PRESSURE,HIGH FLOAT (high floatation tires)	2
26	219952GT	DECAL,EMERGENCY LOWERING	1

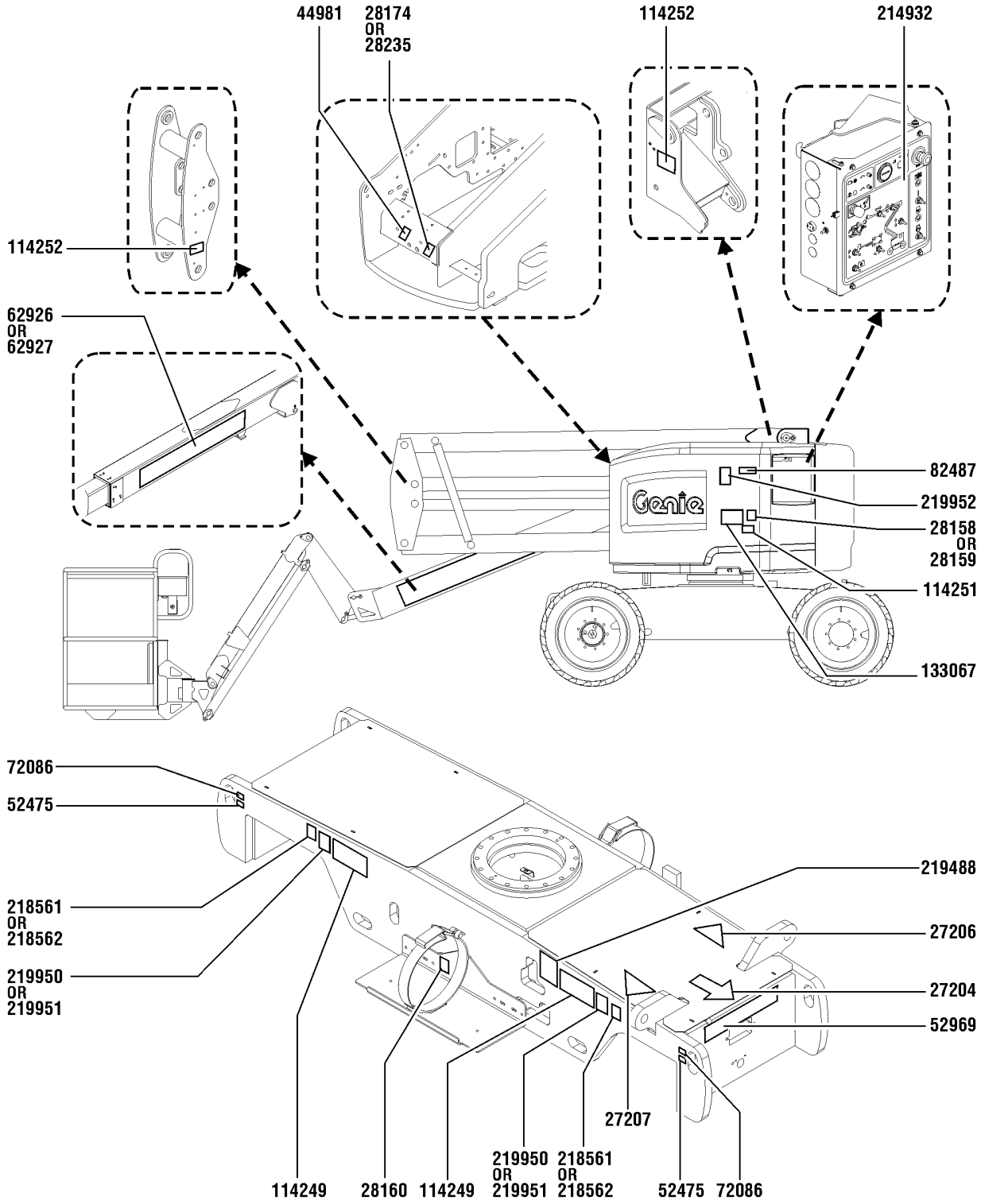
105.2 Decals with Symbols, Hydraulic Tank Side, ANSI and CE, Z-45/25J



105.2 Decals with Symbols, Hydraulic Tank Side, ANSI and CE, Z-45/25J

Item	Part No.	Description	Qty.
A	160764GT	DECAL KIT,Z45 COMP,SYM,ANSI Complete Decal Kit, ANSI (from SN A-47001)	
B	160766GT	DECAL KIT,Z45 PLAT,SYM,ANSI Platform Decal Kit, ANSI	
C	160768GT	DECAL KIT,Z45 COMP,SYM,CE Complete Decal Kit, CE (from SN A-47001) (from B-1201)	
D	160770GT	DECAL KIT,Z45&Z51 PLAT,SYM,CE Platform Decal Kit, CE	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28158GT	DECAL,LABEL,UNLEADED GAS ONLY (Gas models)	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
11	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
12	62926GT	DECAL,COSMETIC,GENIE Z-45/25J (Z-45/25J)	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
16	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
17	114251GT	DECAL,LABEL,NO SMOKING,SYMB	1
18	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	3
19	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
20	214932GT	DECAL,GROUND CONTROL PANEL	1
22	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
23	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
24	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2
25	219951GT	DECAL,TIRE PRESSURE,HIGH FLOAT (high floatation tires)	2
26	219952GT	DECAL,EMERGENCY LOWERING	1

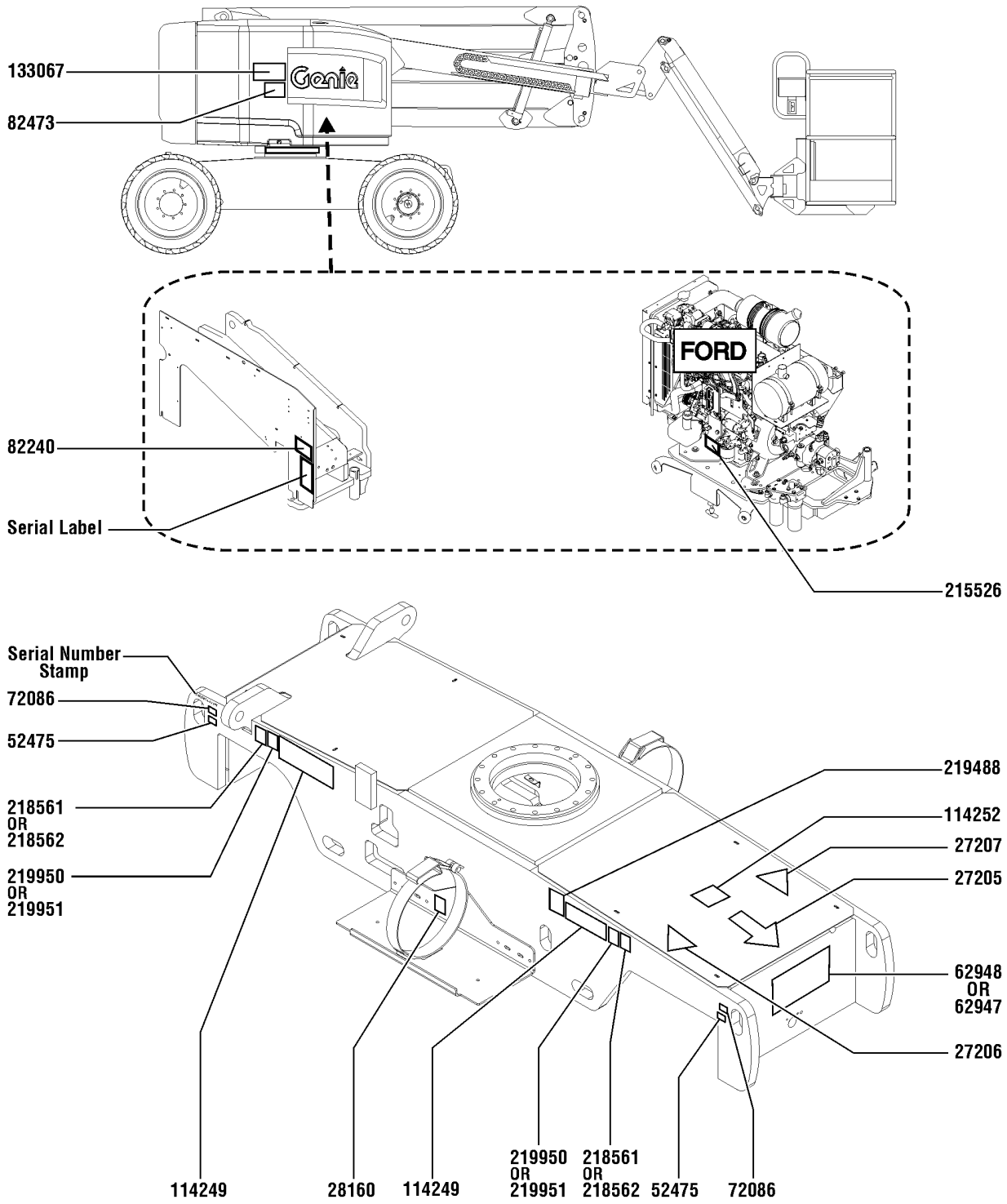
105.3 Decals with Symbols, Hydraulic Tank Side, ANSI and CE



105.3 Decals with Symbols, Hydraulic Tank Side, ANSI and CE

Item	Part No.	Description	Qty.
A	160764GT	DECAL KIT,Z45 COMP,SYM,ANSI Complete Decal Kit, ANSI (from SN A-47001)	
B	160766GT	DECAL KIT,Z45 PLAT,SYM,ANSI Platform Decal Kit, ANSI	
C	160768GT	DECAL KIT,Z45 COMP,SYM,CE Complete Decal Kit, CE (from SN A-47001) (from B-1201)	
D	160770GT	DECAL KIT,Z45&Z51 PLAT,SYM,CE Platform Decal Kit, CE	
1	27204GT	DECAL,ARROW BLUE	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
5	28159GT	DECAL,DIESEL (Diesel models)	1
6	28160GT	DECAL,LABEL,LIQUID PROPANE	1
7	28174GT	DECAL,POWER TO PLATFORM 230V	1
8	28235GT	DECAL,POWER TO PLATFORM 115V	1
9	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
10	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
11	52969GT	DECAL,COSMETIC,GENIE BOOM,HORZ	1
12	62926GT	DECAL,COSMETIC,GENIE Z-45/25J (Z-45/25J)	1
14	72086GT	DECAL,LABEL,LIFTING EYE	2
15	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
16	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
17	114251GT	DECAL,LABEL,NO SMOKING,SYMB	1
18	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	3
19	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
20	214932GT	DECAL,GROUND CONTROL PANEL	1
22	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
23	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
24	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2
26	219952GT	DECAL,EMERGENCY LOWERING	1

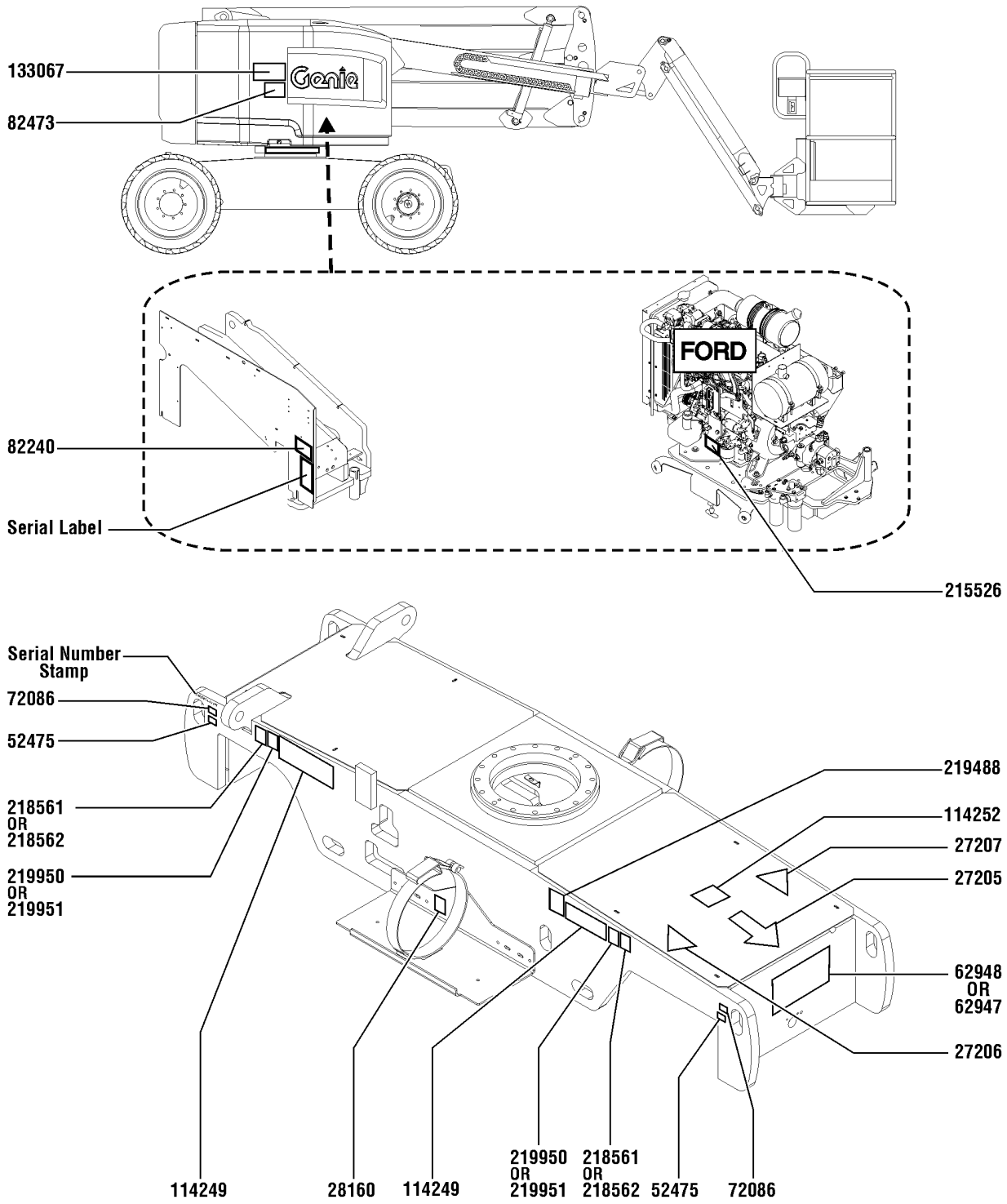
106.1 Decals with Symbols, Engine Side, ANSI and CE, Z-45/25



106.1 Decals with Symbols, Engine Side, ANSI and CE, Z-45/25

Item	*Part No.*	*Description*	*Qty.*
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	27205GT	DECAL,ARROW YELLOW LRG 9"	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28160GT	DECAL,LABEL,LIQUID PROPANE	1
5	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
6	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
7	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
8	72086GT	DECAL,LABEL,LIFTING EYE	2
9	82240GT	DECAL,LABEL,105 DB (CE only)	1
10	82473GT	DECAL,SYMBOL-COMP ACCESS	1
11	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
12	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	1
13	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
14	215526GT	DECAL,LABEL,BELT,MSG425	1
15	218561GT	DECAL,WHEEL LOAD,Z45/25 RT (Z-45/25)	2
17	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
18	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2
19	219951GT	DECAL,TIRE PRESSURE,HIGH FLOAT (high floatation tires)	2

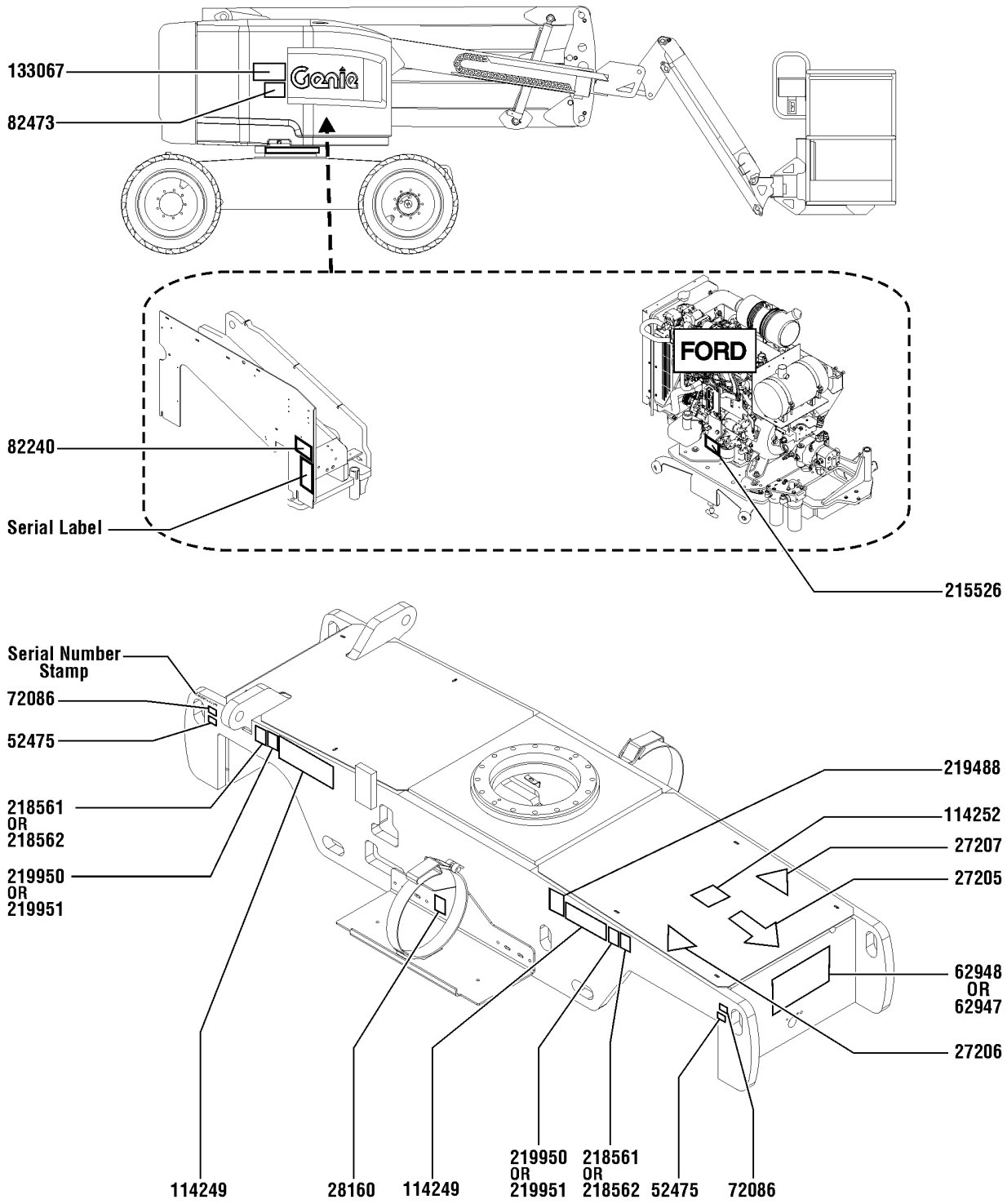
106.2 Decals with Symbols, Engine Side, ANSI and CE, Z-45/25J



106.2 Decals with Symbols, Engine Side, ANSI and CE, Z-45/25J

Item	*Part No.*	*Description*	*Qty.*
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	27205GT	DECAL,ARROW YELLOW LRG 9"	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28160GT	DECAL,LABEL,LIQUID PROPANE	1
5	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
6	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
7	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
8	72086GT	DECAL,LABEL,LIFTING EYE	2
9	82240GT	DECAL,LABEL,105 DB (CE only)	1
10	82473GT	DECAL,SYMBOL-COMP ACCESS	1
11	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
12	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	1
13	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
14	215526GT	DECAL,LABEL,BELT,MSG425	1
16	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
17	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
18	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2
19	219951GT	DECAL,TIRE PRESSURE,HIGH FLOAT (high floatation tires)	2

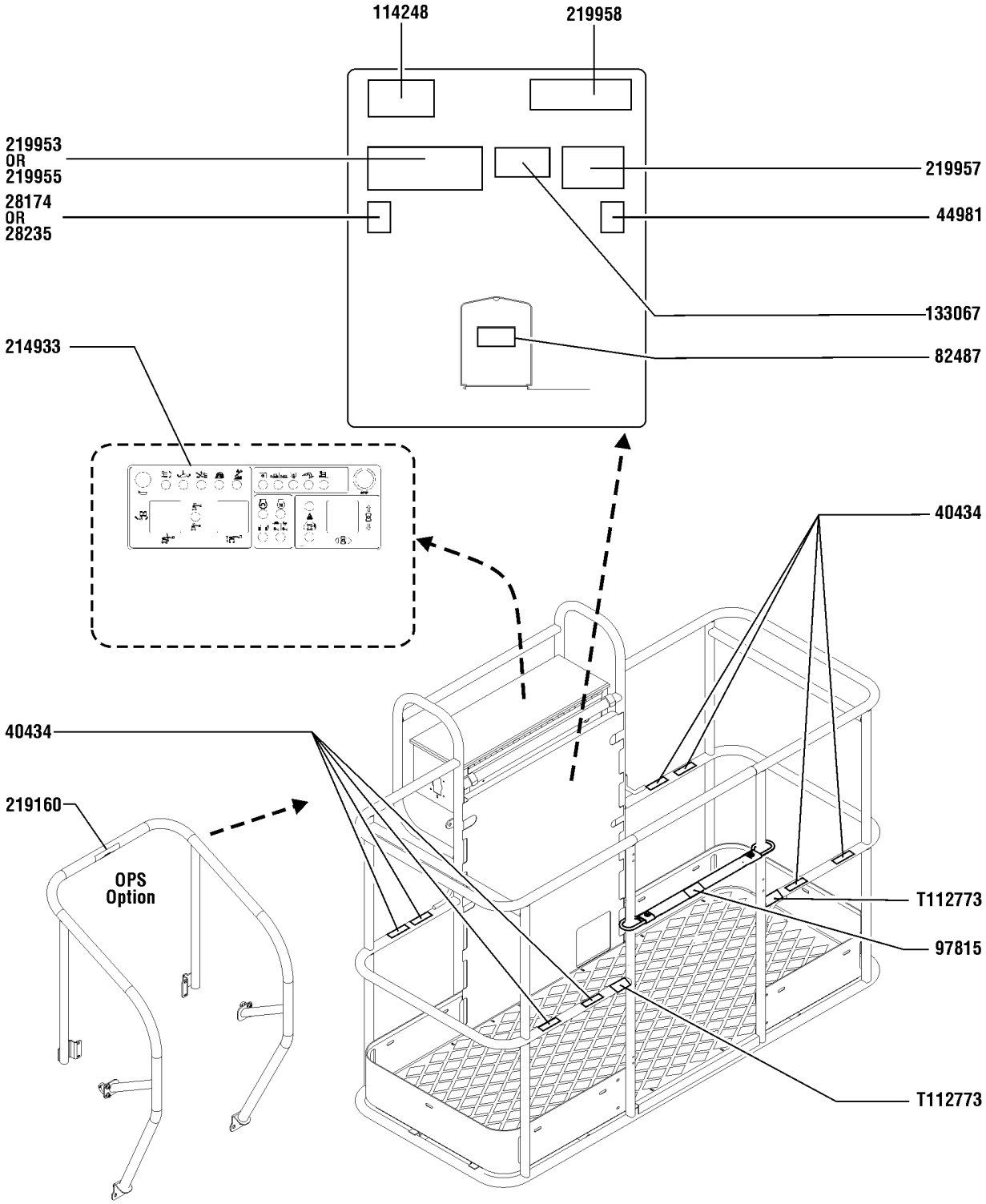
106.3 Decals with Symbols, Engine Side, ANSI and CE



106.3 Decals with Symbols, Engine Side, ANSI and CE

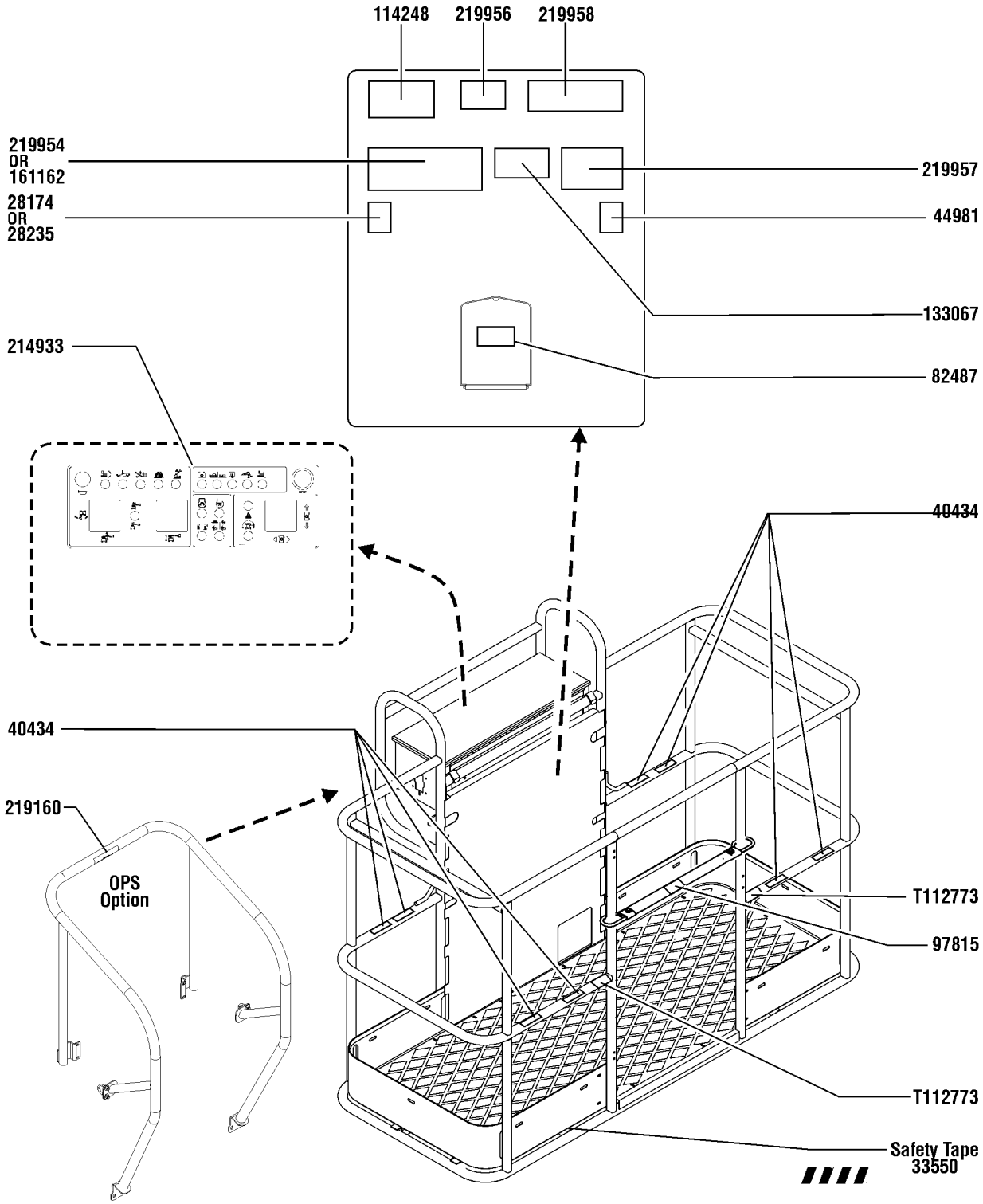
Item	Part No.	Description	Qty.
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	27205GT	DECAL,ARROW YELLOW LRG 9"	1
2	27206GT	DECAL,TRIANGLE,BLUE	1
3	27207GT	DECAL,TRIANGLE,YELLOW	1
4	28160GT	DECAL,LABEL,LIQUID PROPANE	1
5	52475GT	DECAL,LABEL,TRANSPORT TIEDOWN*	2
6	62947GT	DECAL,COSMETIC,IC POWER 4 X 2	1
7	62948GT	DECAL,COSMETIC,IC POWER 4 X 4	1
8	72086GT	DECAL,LABEL,LIFTING EYE	2
9	82240GT	DECAL,LABEL,105 DB (CE only)	1
10	82473GT	DECAL,SYMBOL-COMP ACCESS	1
11	114249GT	DECAL,LABEL,TIPOVER,TIRES,SYMB	2
12	114252GT	DECAL,LABEL,TIP OVER LMT SWTCH	1
13	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
14	215526GT	DECAL,LABEL,BELT,MSG425	1
16	218562GT	DECAL,WHEEL LOAD,Z45/25J RT (Z-45/25J)	2
17	219488GT	DECAL,TRANSPORT/LIFT DIAGRAM	1
18	219950GT	DECAL,TIRE PRESSURE,RT (air filled tires)	2

107.1 Decals with Symbols, Platform, ANSI



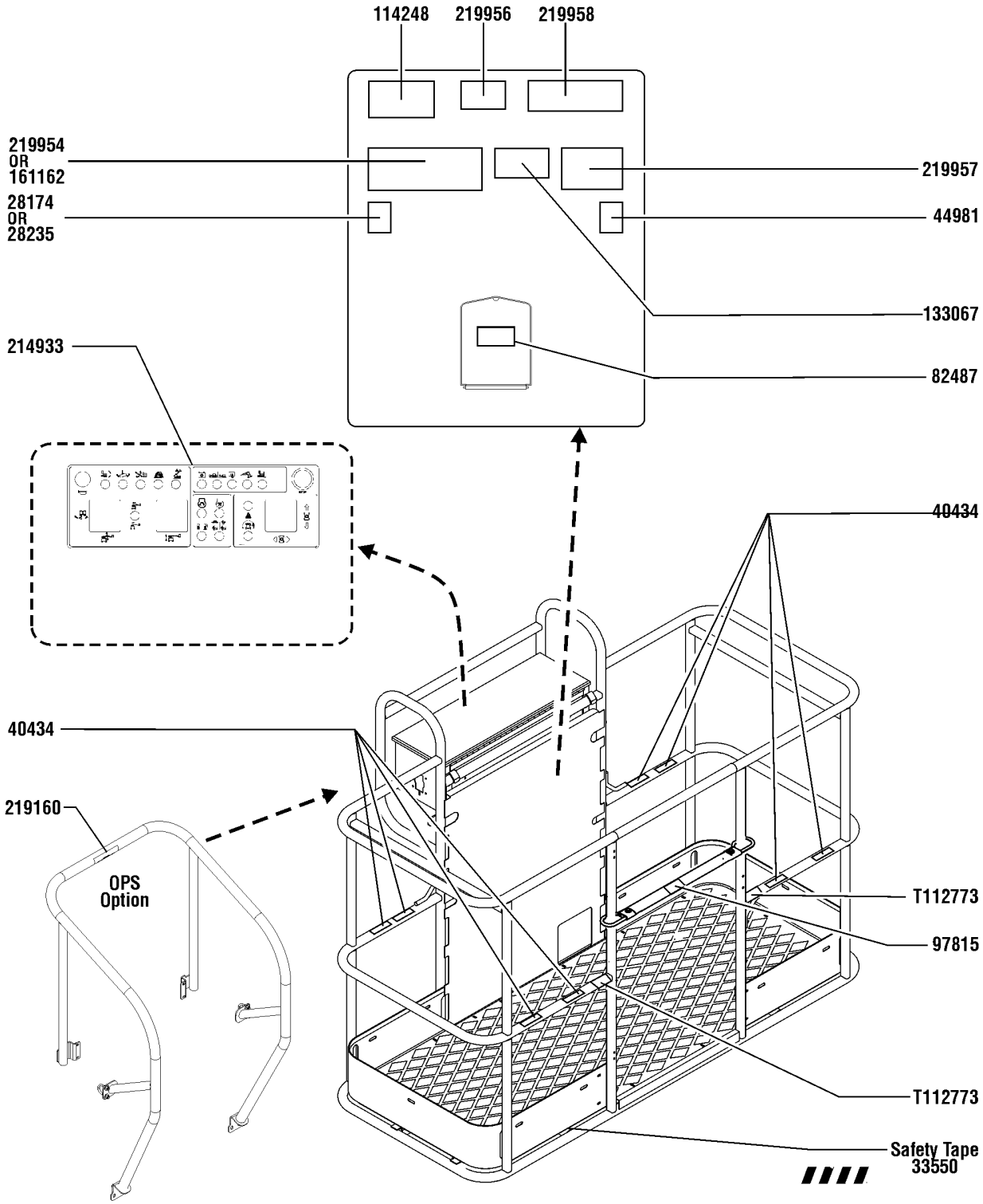
Item	*Part No.*	*Description*	*Qty.*
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	28174GT	DECAL,POWER TO PLATFORM 230V	1
2	28235GT	DECAL,POWER TO PLATFORM 115V	1
3	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
4	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
5	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
6	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
7	114248GT	DECAL,LABEL,TIPOVER,TILT AL SY	1
8	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
9	214933GT	DECAL,PLATFORM CONTROL PANEL models with round hourmeter	1
10	219160GT	DECAL, INSTRUCTION, OPS option	1
11	219953GT	DECAL,TIP-OVER HAZARD,ANSI	1
12	219955GT	DECAL,TIP-OVER HAZARD,440 LBS	1
13	219957GT	DECAL,RUNAWAY HAZARD	1
14	219958GT	DECAL,TIP-OVER,CRUSH	1
15	T112773GT	TAPE, PROTECTIVE MASK	2

108.1 Decals with Symbols, Platform, CE



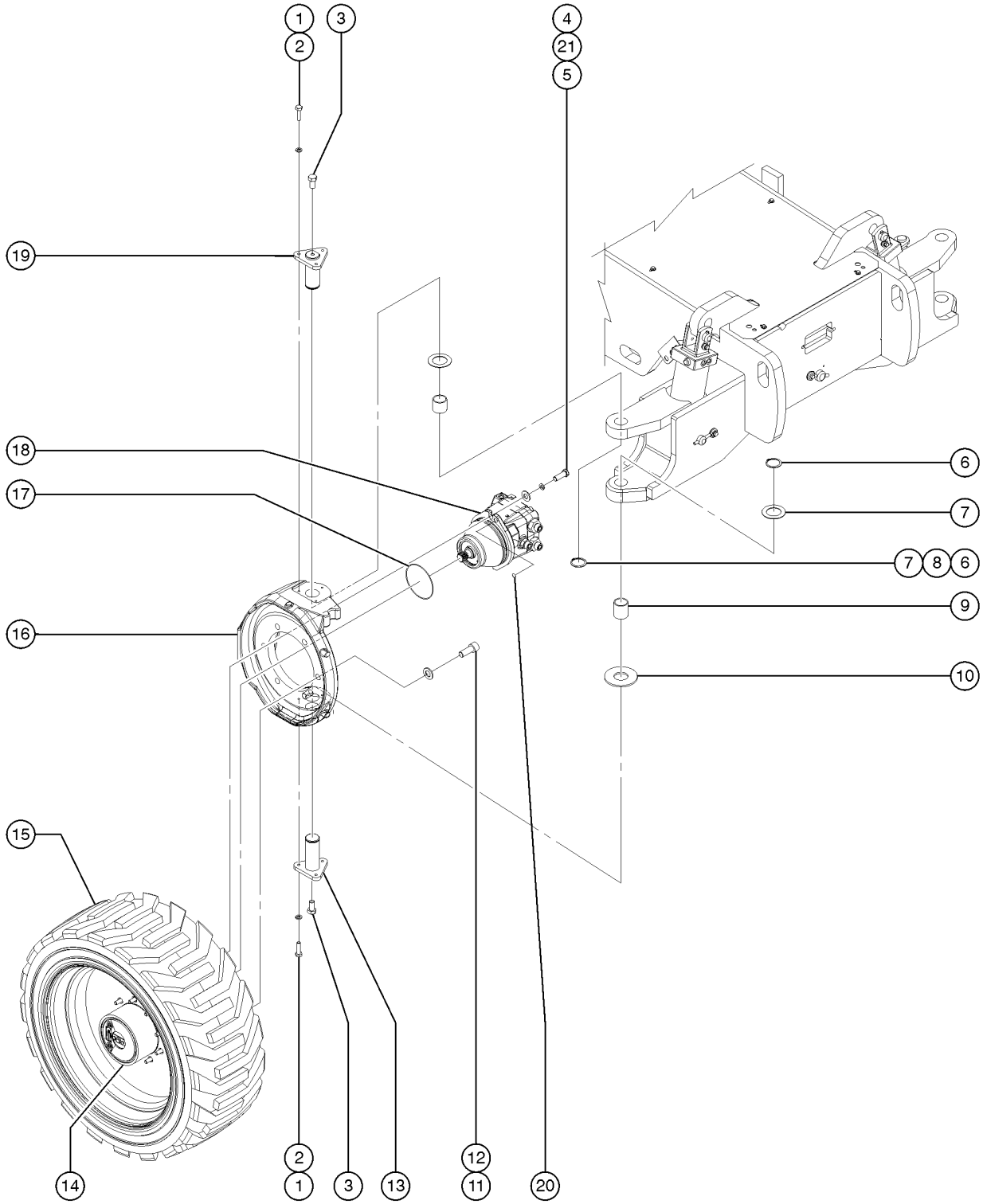
Item	Part No.	Description	Qty.
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	28174GT	DECAL,POWER TO PLATFORM 230V	1
2	28235GT	DECAL,POWER TO PLATFORM 115V	1
3	33550GT	TAPE,WARNING,BLK/YEL, 50'*** (sold by the roll. 648" per roll) (Required to be iInstalled at base of platform toeboard for CE market)	1 roll
4	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
5	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
6	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
7	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
8	114248GT	DECAL,LABEL,TIPOVER,TILT AL SY	1
9	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
10	161162GT	DECAL,TIP-OVER HAZARD,CE (CE models with aircraft protection option)	1
11	214933GT	DECAL,PLATFORM CONTROL PANEL models with round hourmeter	1
12	219160GT	DECAL, INSTRUCTION, OPS option	1
13	219954GT	DECAL,TIP-OVER HAZARD,CE (CE only)	1
14	219956GT	DECAL,PLATFORM OVERLOAD	1
15	219957GT	DECAL,RUNAWAY HAZARD	1
16	219958GT	DECAL,TIP-OVER,CRUSH	1
17	T112773GT	TAPE, PROTECTIVE MASK	2

108.2 Decals with Symbols, Platform, CE



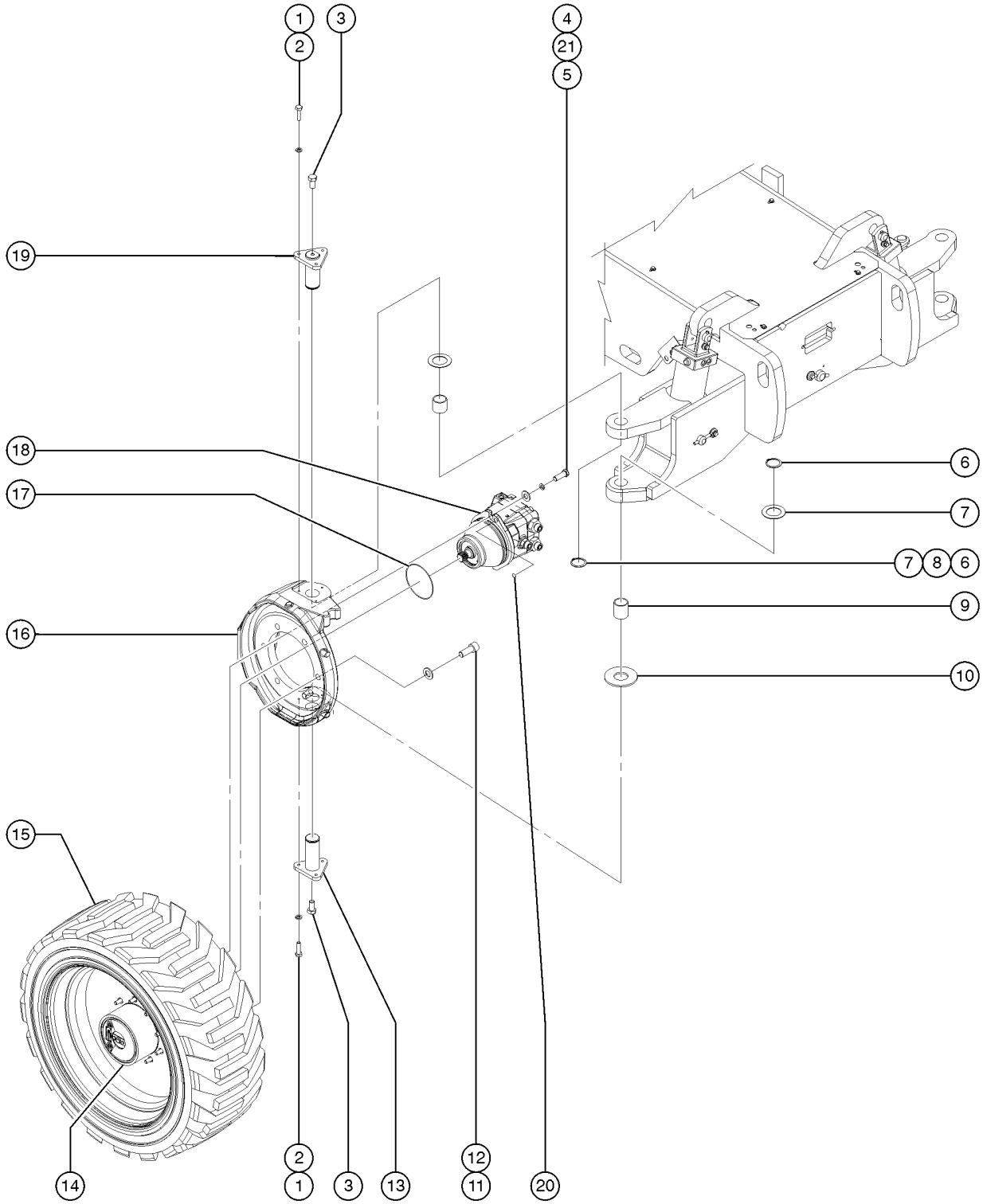
Item	Part No.	Description	Qty.
A-		Ref. Symbol Decal Kits (refer to 105.1)	
1	28174GT	DECAL,POWER TO PLATFORM 230V	1
2	28235GT	DECAL,POWER TO PLATFORM 115V	1
3	40434GT	DECAL,LANYARD ANCHORAGE POINT	8
4	44981GT	DECAL,LABEL,AIRLINE 110 PSI (option)	1
5	82487GT	DECAL,SYMBOL-READ THE MANUAL	1
6	97815GT	DECAL,LABEL,LOWER MIDRAIL	1
7	114248GT	DECAL,LABEL,TIPOVER,TILT AL SY	1
8	133067GT	DECAL,DANGER,ELEC.HAZ.STAY CLR	1
9	161162GT	DECAL,TIP-OVER HAZARD,CE (CE models with aircraft protection option)	1
10	214933GT	DECAL,PLATFORM CONTROL PANEL	1
11	219160GT	DECAL, INSTRUCTION, OPS option	1
12	219954GT	DECAL,TIP-OVER HAZARD,CE (CE only)	1
13	219956GT	DECAL,PLATFORM OVERLOAD	1
14	219957GT	DECAL,RUNAWAY HAZARD	1
15	219958GT	DECAL,TIP-OVER,CRUSH	1
16	T112773GT	TAPE, PROTECTIVE MASK	2

201.1 Steer-end Wheels and Hubs, 4WD Models



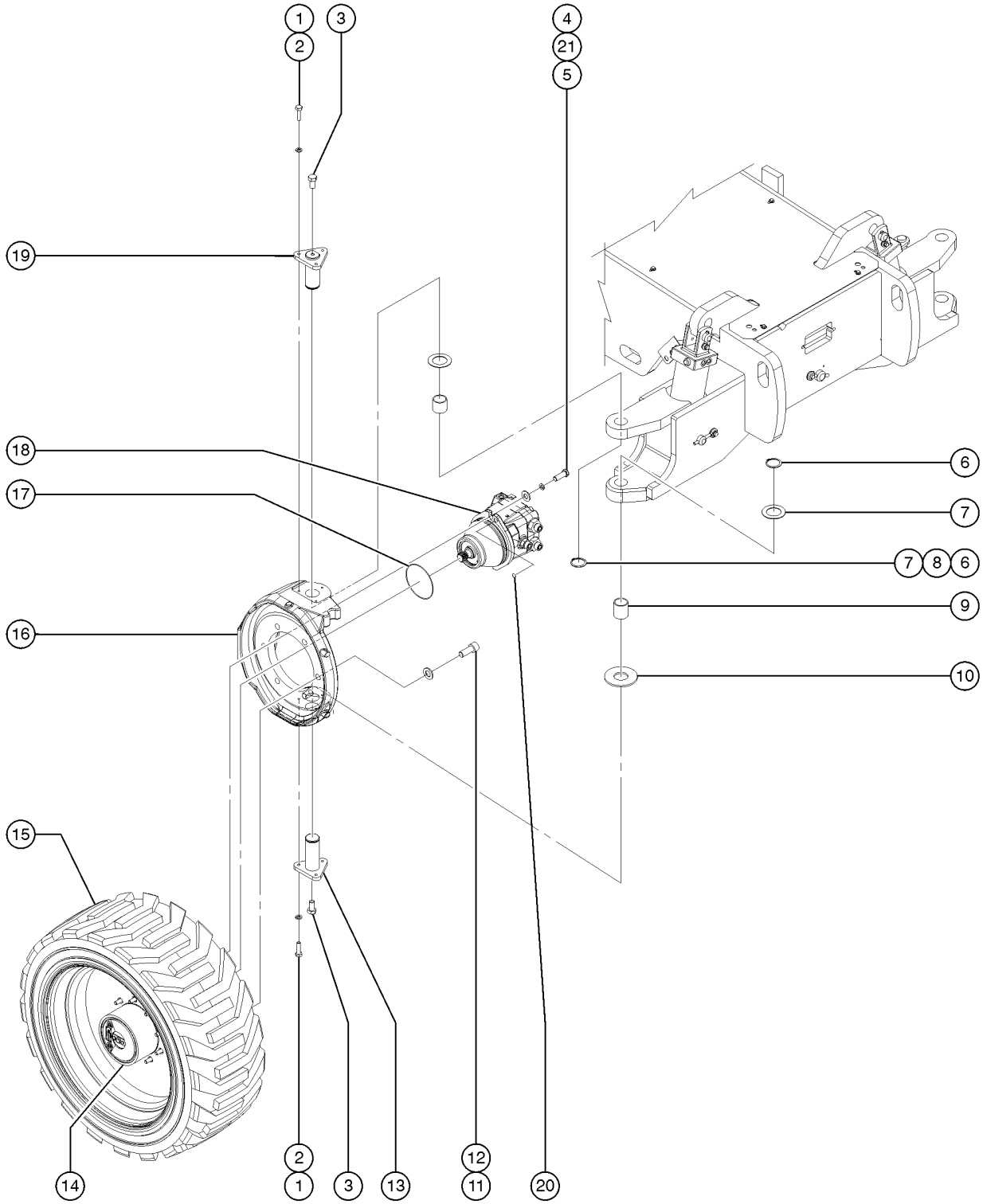
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6356GT	WASHER, LOCK, .25	
3	8255GT	SCREW,HHC,3/8-16 X .75	
4	88296GT	SCREW,HHC,7/16-14 X 1.25	
5	106134GT	WASHER,FLAT,HARDENED 7/16	4
6	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	4
7	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	
8	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
9	146264GT	BEARING, 1.5IDX1.75ODX2.00L	2
10	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
11	19418GT	SCREW,SHC,5/8-11 X 1.75	
12	13064GT	WASHER,FLAT,.625 HARDENED	
13	237569GT	WELDMENT, PIN, 1.5INX3.6IN LG	2
14	139330GT	WHEEL DRIVE W/ BRAKE,57:1***	2
14-	9990184GT	RETAINING RING, INTERNAL, #180 (COMPONENT OF 139330GT) for 139330	
14-	139966GT	ROD,DISCONNECT,OMNI*** for 139330	
14-	139967GT	CAP,DISENGAGE,OMNI*** for 139330	
14-	139968GT	O-RING,END COVER,OMNI*** for 139330	
14-	139969GT	LINING KIT,BRAKE,OMNI*** for 139330	
14-	139970GT	SEAL KIT,BRAKE,OMNI*** for 139330	
14-	139971GT	BEARING KIT,OMNI*** for 139330	
14-	139972GT	SEAL KIT,GEARBOX,OMNI*** for 139330	
14-	147033GT	O-RING,PIPE PLUG KIT,OMNI*** for 139330	
14-	147034GT	PIPE PLUG KIT,OMNI*** for 139330	
14-	230849GT	WHEEL STUD,5/8-18X67MM for 139330	
14-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45 for 230849	
15A	110725GT	TIRE/WHEEL ASSY,HF W/SEALANT Turf with sealant	4
15B	73923GT	TIRE & WHEEL ASSY.,FLOTATION High Float	1

201.1 Steer-end Wheels and Hubs, 4WD Models



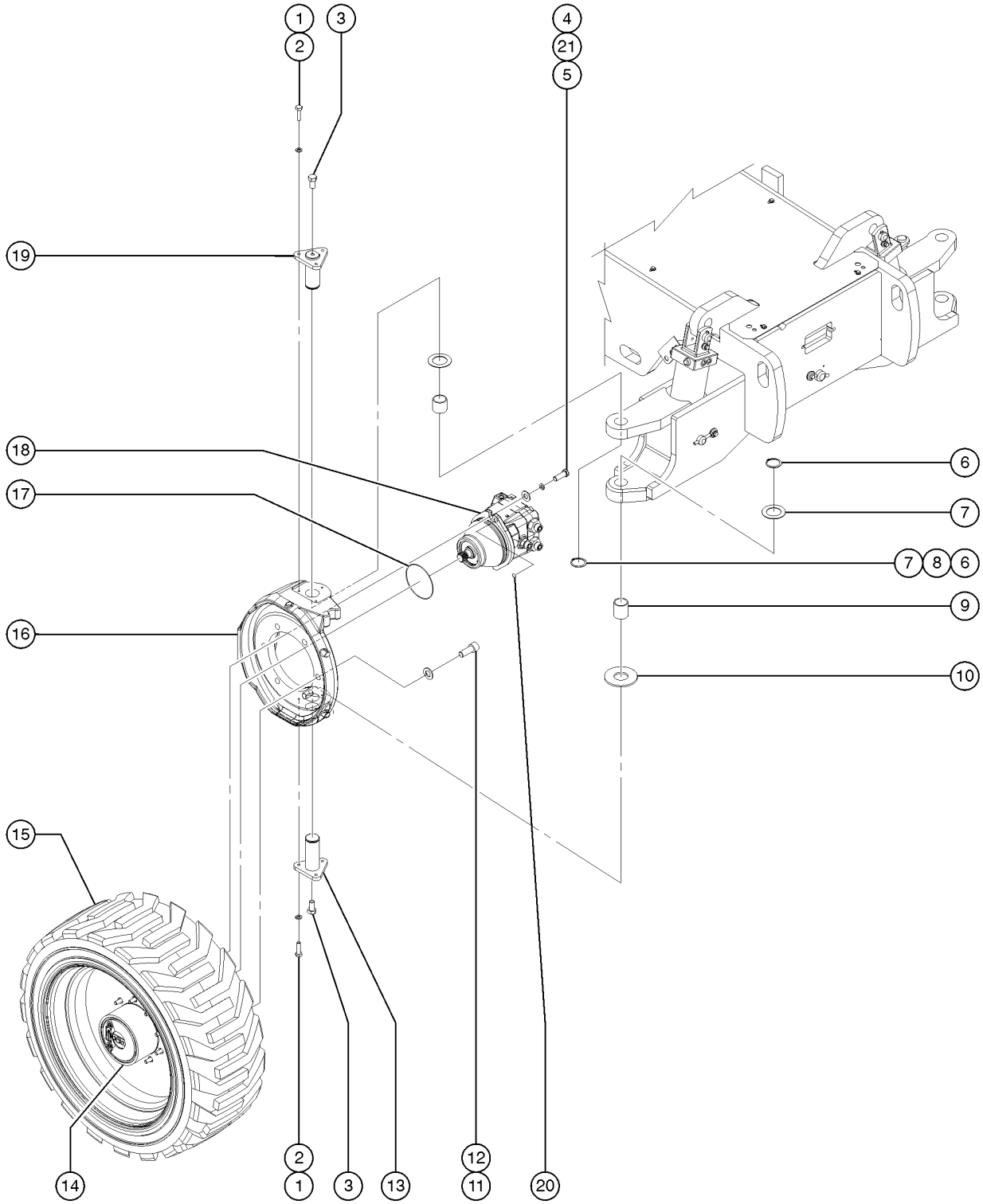
Item	Part No.	Description	Qty.
15B-	73924GT	WHEEL, 19.5X14.00 for 73923	
15B-	73925GT	TIRE,33/16LL500,10PLY LITEFOOT for 73923	
15C	237912GT	TIRE/WHEEL ASSY,RT AIR,LEFT RT, Air-filled, left	2
15C	237913GT	TIRE/WHEEL ASSY,RT AIR,RIGHT RT, Air-filled, right	2
15C-	139915GT	TIRE,315/55D20-12 PLY for 237912 and 237913	
15C-	1254668GT	WHEEL,20 X 11,9 HOLE X 9.5 BC for 237912 and 237913	
15D	237914GT	TIRE/WHEEL ASSY,RT FOAM,LH RT, Foam-filled, left	2
15D-	237915GT	TIRE/WHEEL ASSY,RT FOAM,RH RT, Foam-filled, right	2
15E	217190GT	TIRE/WHL ASSY,RT AIR,NON-MRK L RT, Air-filled, Non-marking, left	2
15E-	217191GT	TIRE/WHL ASSY,RT AIR,NON-MRK R RT, Air-filled, Non-marking, right	2
15F	217192GT	TIRE/WHL ASSY,RT FOAM,NON-MK L RT, Foam-filled, Non-marking, left	2
15F-	217193GT	TIRE/WHL ASSY,RT FOAM,NON-MK R RT, Foam-filled, Non-marking, right	
15G	217196GT	TIRE/WHL ASSY,RT AIR W/SEALANT LH RT, Air-filled with sealant, left	2
15G-	217197GT	TIRE/WHL ASSY,RT AIR W/SEALANT RH RT, Air-filled with sealant, right	2
15H	217194GT	TIRE/WHL ASSY,RT AIR NON-MRK W/SEAL LH RT, Air-filled with sealant, Non-marking, left	2
15H-	217195GT	TIRE/WHL ASSY,RT AIR NON-MRK W/SEAL RH RT, Air-filled with sealant, Non-marking, right	2
15J	217198GT	TIRE/WHL ASSY,RT REPNEU FOAM LH RT, REPNEU Foam-filled, left	2
15J-	217199GT	TIRE/WHL ASSY,RT REPNEU FOAM RH RT, REPNEU Foam-filled, right	2
15K	1260394GT	TIRE/WHL ASSY,RT,REP-FOAM,NM,L RT, REPNEU Foam-filled, Non-marking, left	2
15K-	1260395GT	TIRE/WHL ASSY,RT,REP-FOAM,NM,R RT, REPNEU Foam-filled, Non-marking, right	2
16A	1257050GT	ASSEMBLY, YOKE, RH, Z-45 4WD right	
16A-	25817GT	BEARING,1.00IDX1.25ODX1.00L	
16B	1257049GT	ASSEMBLY, YOKE, LH, Z-45 4WD left	
16B-	25817GT	BEARING,1.00IDX1.25ODX1.00L	
17	102158GT	O-RING,.103 X 4.737,VITON, 75D	2
18	101586GT	MOTOR, PISTON, 25CC, 6.5 DEG, 13T	2
18-	106098GT	SEAL KIT,MOTOR,LC/KC***	
19	237568GT	WELDMENT, PIN, 1.5INX3.2IN LG	1

201.1 Steer-end Wheels and Hubs, 4WD Models



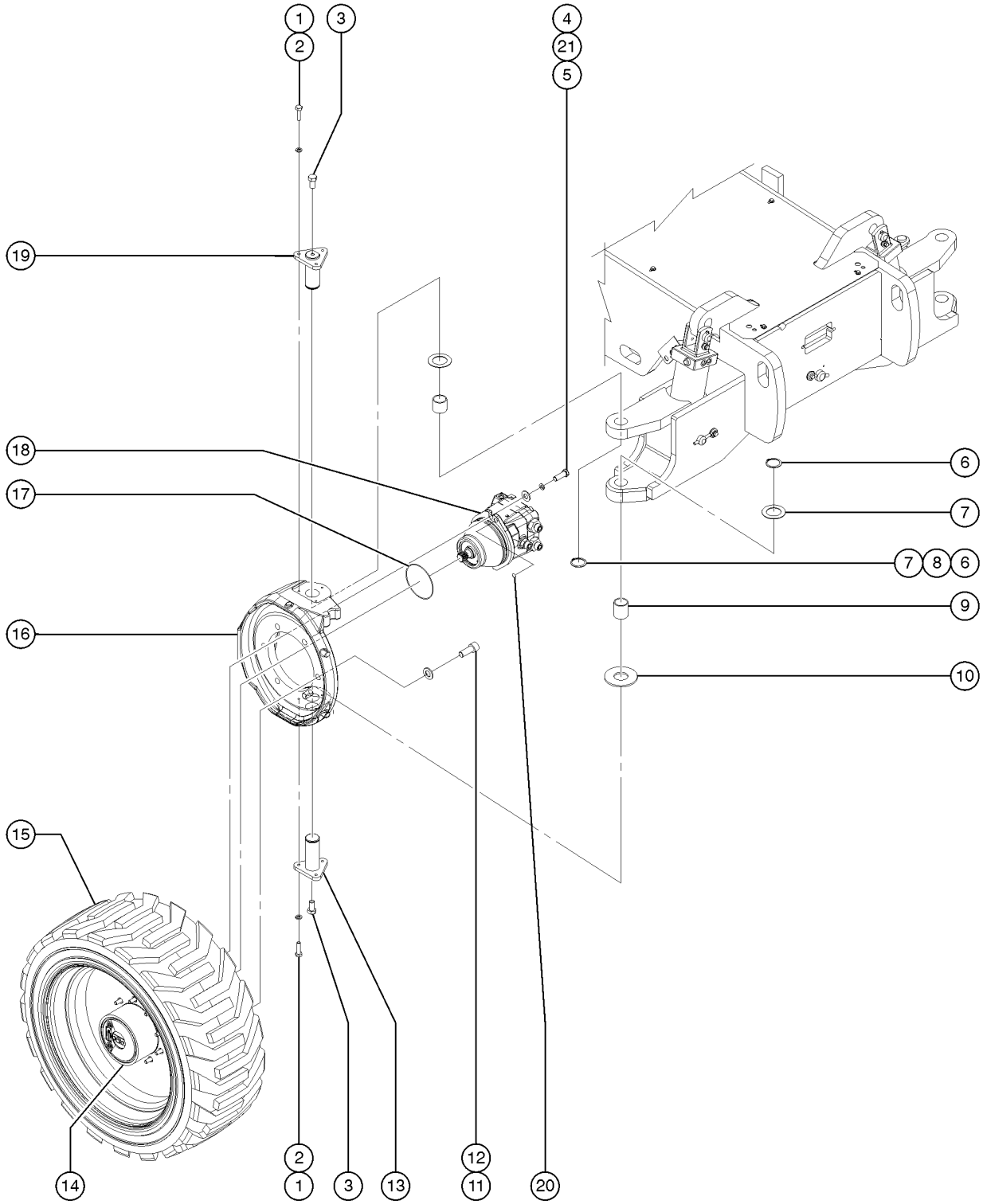
Item	*Part No.*	*Description*	*Qty.*
20	106117GT	O-RING,2-010,VITON	1
21	20912GT	WASHER,LOCK,.437,PLTD	

201.2 Steer-end Wheels and Hubs, 4WD Models



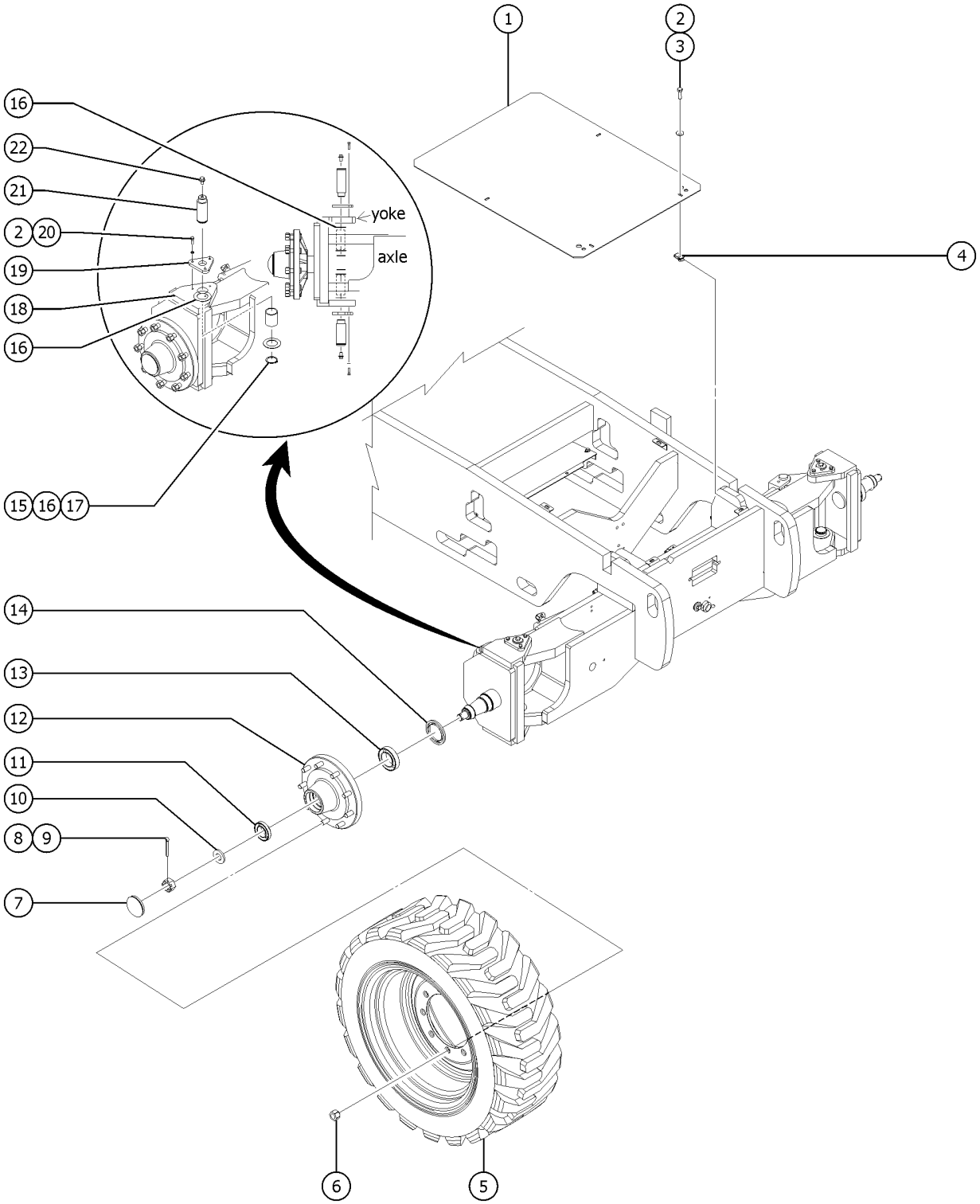
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6356GT	WASHER, LOCK, .25	
3	8255GT	SCREW,HHC,3/8-16 X .75	
4	88296GT	SCREW,HHC,7/16-14 X 1.25	
5	106134GT	WASHER,FLAT,HARDENED 7/16	4
6	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	4
7	18596GT	WASHER,FLAT,1.56 X 2.5 X .061	
8	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
9	146264GT	BEARING, 1.5IDX1.75ODX2.00L	2
10	45074GT	WASHER,THRUST,1.5 X 3.5 X .187	2
11	19418GT	SCREW,SHC,5/8-11 X 1.75	
12	13064GT	WASHER,FLAT,.625 HARDENED	
13	237569GT	WELDMENT, PIN, 1.5INX3.6IN LG	2
14	139330GT	WHEEL DRIVE W/ BRAKE,57:1***	2
14-	139966GT	ROD,DISCONNECT,OMNI*** for 139330	
14-	139967GT	CAP,DISENGAGE,OMNI*** for 139330	
14-	139968GT	O-RING,END COVER,OMNI*** for 139330	
14-	139969GT	LINING KIT,BRAKE,OMNI*** for 139330	
14-	139970GT	SEAL KIT,BRAKE,OMNI*** for 139330	
14-	139971GT	BEARING KIT,OMNI*** for 139330	
14-	139972GT	SEAL KIT,GEARBOX,OMNI*** for 139330	
14-	147033GT	O-RING,PIPE PLUG KIT,OMNI*** for 139330	
14-	147034GT	PIPE PLUG KIT,OMNI*** for 139330	
14-	230849GT	WHEEL STUD,5/8-18X67MM for 139330	
14-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45 for 230849	
15C	237912GT	TIRE/WHEEL ASSY,RT AIR,LEFT RT, Air-filled, left	2
15C	237913GT	TIRE/WHEEL ASSY,RT AIR,RIGHT RT, Air-filled, right	2
15C-	139915GT	TIRE,315/55D20-12 PLY for 237912 and 237913	

201.2 Steer-end Wheels and Hubs, 4WD Models



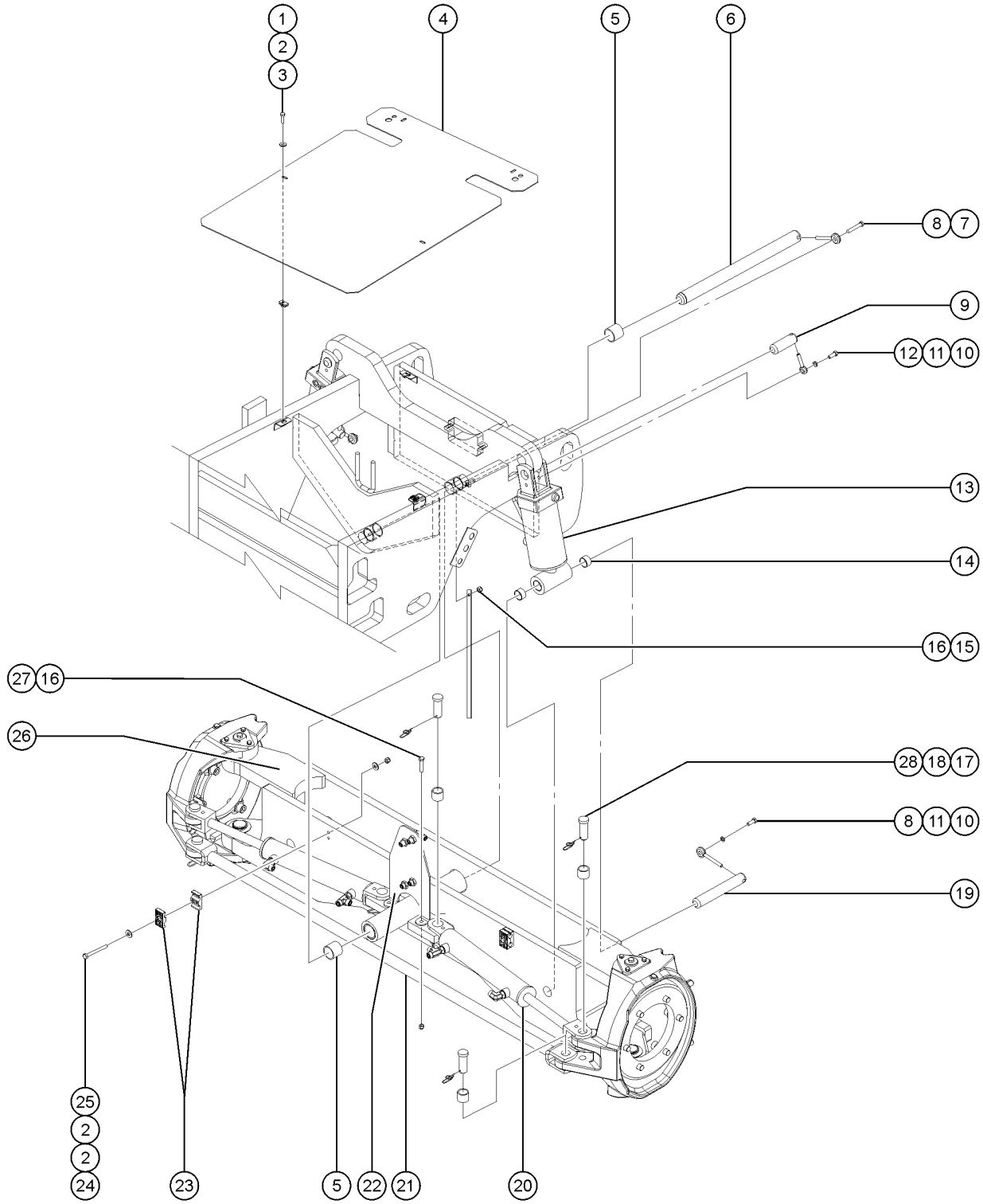
Item	Part No.	Description	Qty.
15C-	1254668GT	WHEEL,20 X 11,9 HOLE X 9.5 BC for 237912 and 237913	
15D	237914GT	TIRE/WHEEL ASSY,RT FOAM,LH RT, Foam-filled, left	2
15D-	237915GT	TIRE/WHEEL ASSY,RT FOAM,RH RT, Foam-filled, right	2
15E	217190GT	TIRE/WHL ASSY,RT AIR,NON-MRK L RT, Air-filled, Non-marking, left	2
15E-	217191GT	TIRE/WHL ASSY,RT AIR,NON-MRK R RT, Air-filled, Non-marking, right	2
15F	217192GT	TIRE/WHL ASSY,RT FOAM,NON-MK L RT, Foam-filled, Non-marking, left	2
15F-	217193GT	TIRE/WHL ASSY,RT FOAM,NON-MK R RT, Foam-filled, Non-marking, right	
16A	1257050GT	ASSEMBLY, YOKE, RH, Z-45 4WD right	
16A-	25817GT	BEARING,1.00IDX1.25ODX1.00L	
16B	1257049GT	ASSEMBLY, YOKE, LH, Z-45 4WD left	
16B-	25817GT	BEARING,1.00IDX1.25ODX1.00L	
17	102158GT	O-RING,.103 X 4.737,VITON, 75D	2
18	101586GT	MOTOR, PISTON, 25CC, 6.5 DEG, 13T	2
18-	106098GT	SEAL KIT,MOTOR,LC/KC***	
19	237568GT	WELDMENT, PIN, 1.5INX3.2IN LG	1
20	106117GT	O-RING,2-010,VITON	1
21	20912GT	WASHER,LOCK,.437,PLTD	

202.1 Steer-end Wheels and Hubs, 2WD Models



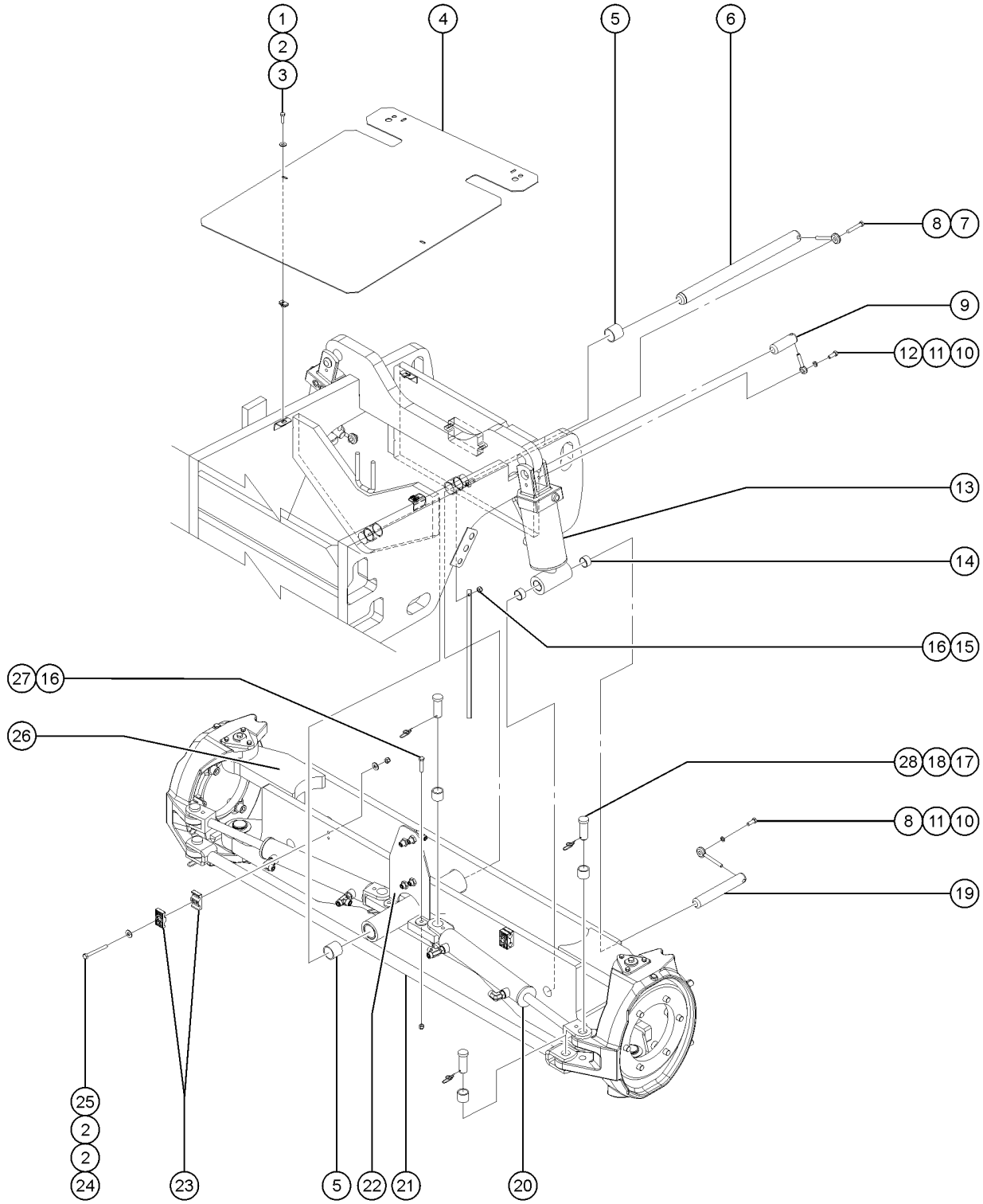
Item	Part No.	Description	Qty.
1	50770GT	COVER,DR CHASSIS FRONT,NON-OSC	1
2	824060GT	SCREW, HHC, 1/4-20 X 1, 8, ZAG	16
3	824113GT	WASHER,FLAT,USS,1/4,ZAG	4
4	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
5		Ref.WHEEL & TIRE ASSY (refer to 201.1)	
6	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	18
7	54959GT	CAP,DUST (54840 HUB ASSY)	2
8	45114GT	PIN,COTTER,.219 X 1.75	2
9	45113GT	NUT,SPINDLE,1-14	2
10	45112GT	WASHER,SPINDLE	2
11	54962GT	BEARING,OUTER,9 BOLT HUB***	2
12	54840GT	HUB ASSEMBLY,9 BOLT*** (includes items 7, 11, 13, 14)	2
12-	45837GT	BRAKE TRACK	
12-	54960GT	SEAL-GREASE,9-BOLT HUB 54840	
12-	21166GT	LUG BOLT,5/8-18,WHEEL HUB***	
12-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45	
13	54961GT	BEARING,INNER,9 BOLT HUB***	2
14	54960GT	SEAL-GREASE,9-BOLT HUB 54840	2
15	825796GT	SNAP RING,EXTERNAL,1.50,ZAG	4
16	1251565GT	WASHER,SHIM,1.56X2.5X.061,ZAG	4
17	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	4
18A	232090GT	WELDMENT, YOKE (right side, shown, does not inclued bearings)	1
18B	235648GT	WELDMENT,YOKE (left side, does not include bearing)	1
18C	25817GT	BEARING,1.00IDX1.25ODX1.00L order separately; qty. 2 required per yoke	
19		PLATE, YOKE PIN for service replacement use pin 237568GT (3.2 inch long pin) and 237569GT (3.6 inch long pin)	4
20	824109GT	WASHER, LOCK, 1/4, ZAG	12
21	237566GT	PIN,1.5INx4.2IN LG., 1 GROOVE	4
22	1256857GT	SCREW,HHF,3/8-16X.625,8,ZAG	4

203.1 Steer Axle Linkage



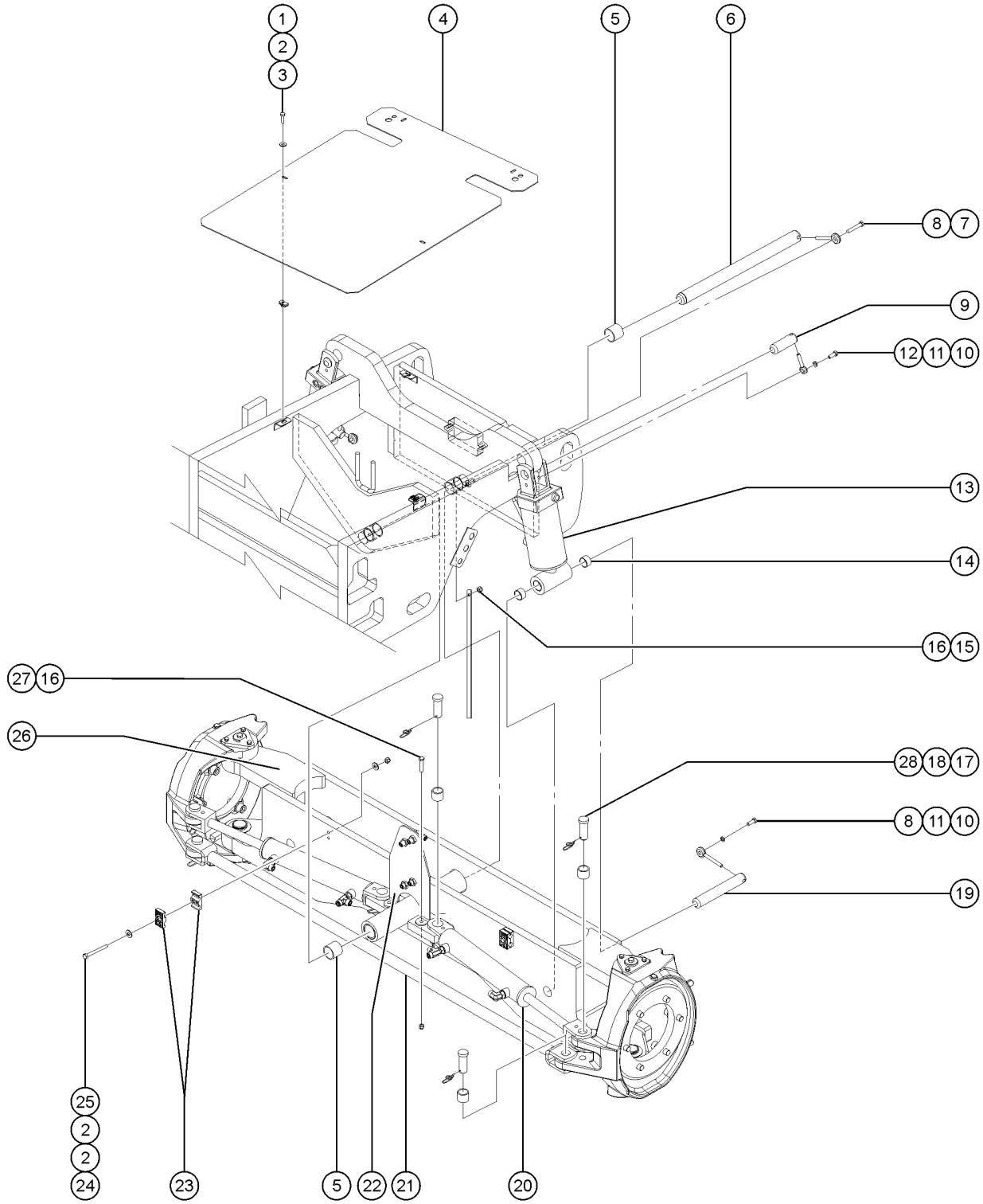
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
4	1272699GT	COVER,DRIVE CHASSIS,FRONT	1
5	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
6	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	
7	6708GT	SCREW,HHC,3/8-16 X 2.25	
8	825019GT	ROD END, .375X3.69, ZAG	2
9	50742GT	PIN,1.25DIAX3.75LG,1HOLE	2
10	6175GT	SCREW,HHC,3/8-16 X 1	
11	6021GT	WASHER, LOCK, .375	
12	1255452GT	ROD END,.375 X 2.25,ZAG	2
13	54567GT	CYLINDER,OSCILLATE,Z45*** models with oscillate option	2
13-	65791GT	SEAL KIT,CYL,Z45 (54567) for 54567	
13-	77409GT	VALVE,COUNTERBALANCE,1000 ATM	
14	25683GT	BEARING,POLYGON,20DU12	4
15	107578GT	GROUND STRAP,24"LONG models with non-marking tires	
16	4828GT	NUT, NYLOCK, 3/8-16	
17	19440GT	PIN,CLEVIS,1 X 2.5 LG	.
18	25817GT	BEARING,1.00IDX1.25ODX1.00L	6
19	36198GT	PIN,1.25DIAX8.12LG,1HOLE	2
20	1305757GT	CYLINDER, STEER	2
20-	89066GT	SEAL KIT,STEER CYL (89065) for 1305757	
21	237703GT	TIE ROD WELDMENT, Z45/51	1
22	215333GT	FORMING, FRONT AXLE BRK	1
23	78736GT	CLAMP,2 HOSE,PLASTIC	4
24	6884GT	SCREW,HHC,1/4-20 X 2.5	2
25	6091GT	NUT,NYLOCK,1/4-20	

203.1 Steer Axle Linkage



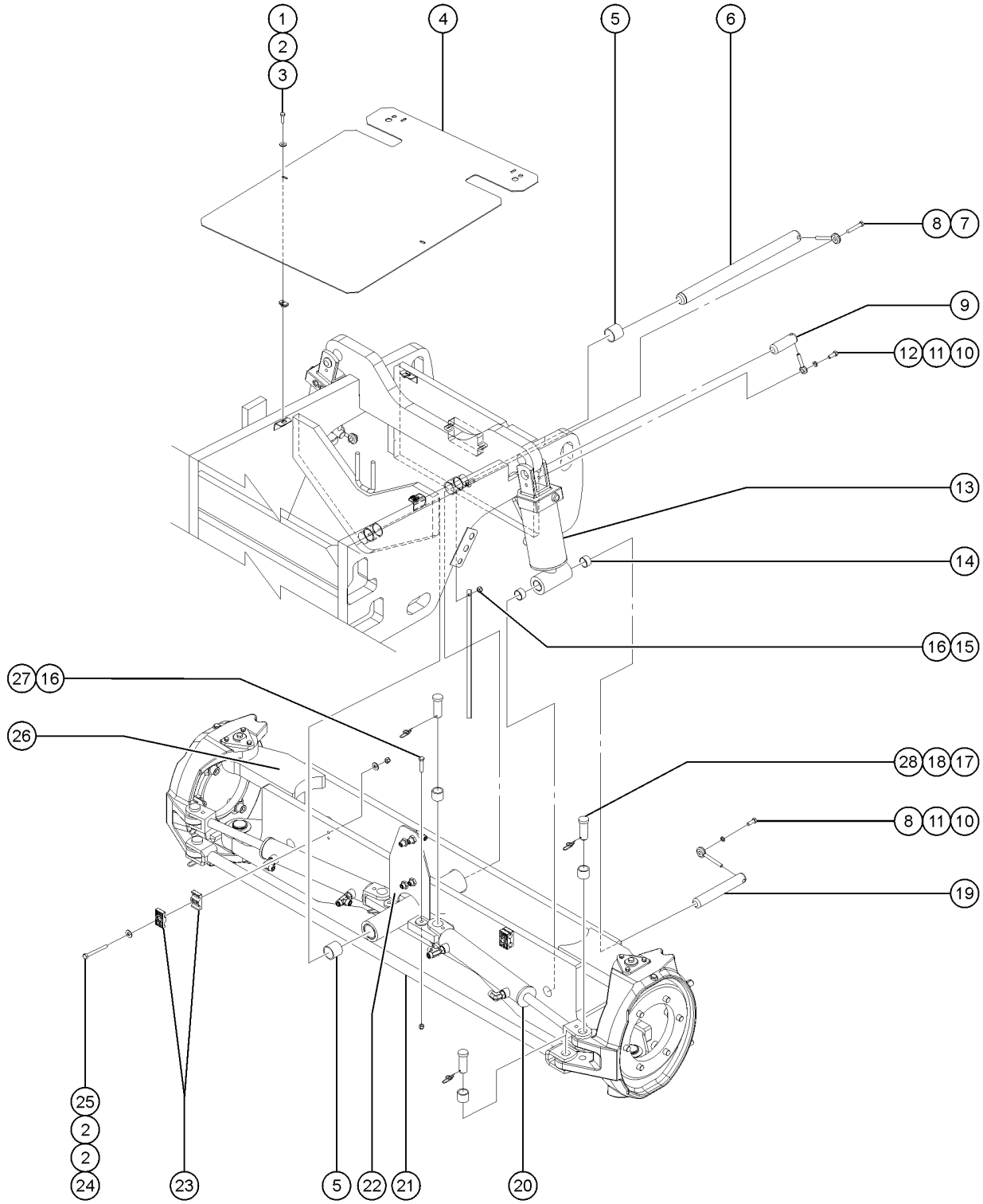
Item	Part No.	Description	Qty.
26	232081GT	WELDMENT, FRONT AXLE, Z45	1
27	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
28	74389GT	RUE RING 1.00	6

203.2 Steer Axle Linkage



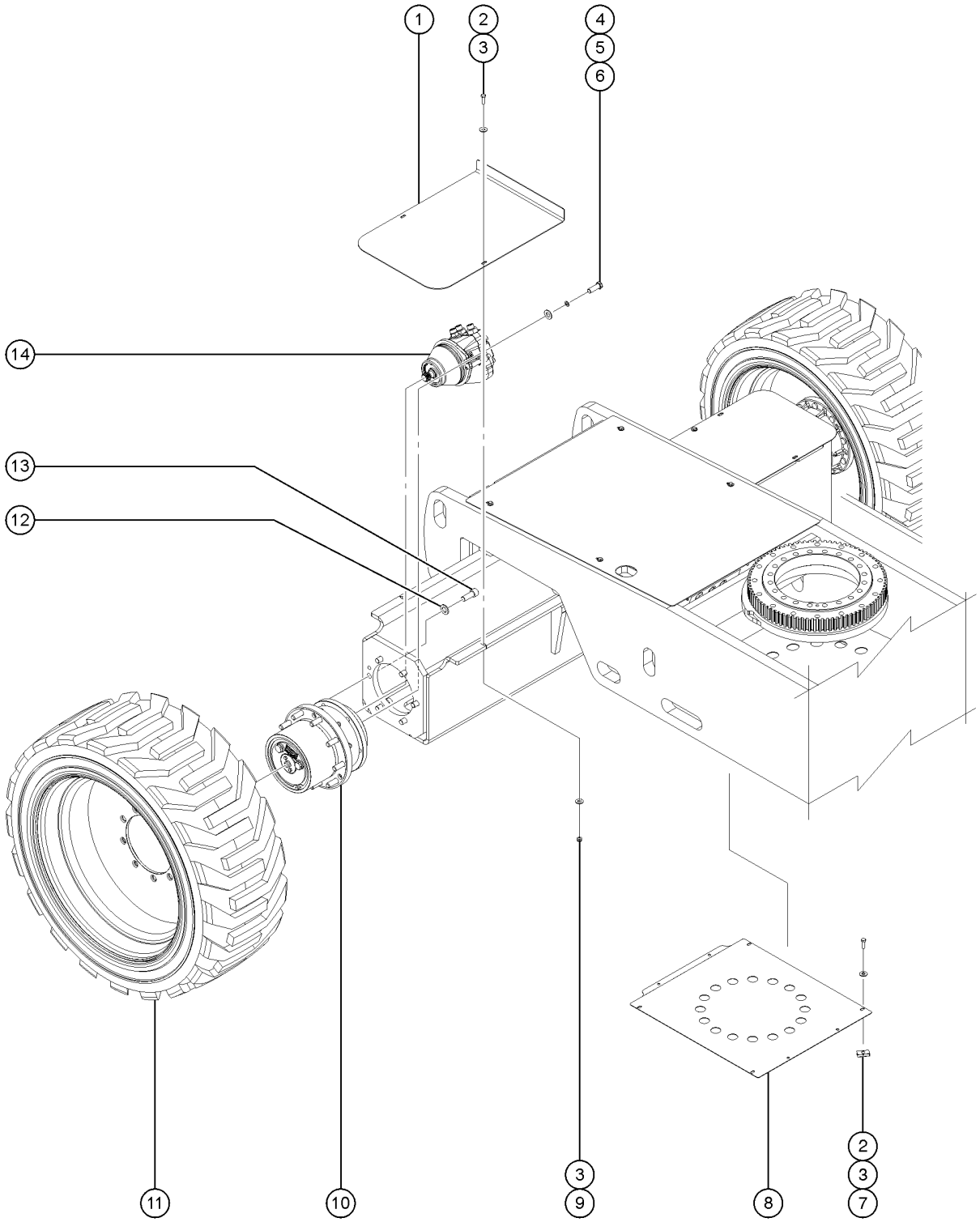
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4
4	1272699GT	COVER,DRIVE CHASSIS,FRONT	1
5	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
6	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	
7	6708GT	SCREW,HHC,3/8-16 X 2.25	
8	825019GT	ROD END, .375X3.69, ZAG	2
9	50742GT	PIN,1.25DIAX3.75LG,1HOLE	2
10	6175GT	SCREW,HHC,3/8-16 X 1	
11	6021GT	WASHER, LOCK, .375	
12	1255452GT	ROD END,.375 X 2.25,ZAG	2
13	54567GT	CYLINDER,OSCILLATE,Z45***	2
13-	65791GT	SEAL KIT,CYL,Z45 (54567) for 54567	
13-	77409GT	VALVE,COUNTERBALANCE,1000 ATM	
14	25683GT	BEARING,POLYGON,20DU12	4
15	107578GT	GROUND STRAP,24"LONG models with non-marking tires	
16	4828GT	NUT, NYLOCK, 3/8-16	
17	19440GT	PIN,CLEVIS,1 X 2.5 LG	.
18	25817GT	BEARING,1.00IDX1.25ODX1.00L	6
19	36198GT	PIN,1.25DIAX8.12LG,1HOLE	2
20	1305757GT	CYLINDER, STEER	2
20-	89066GT	SEAL KIT,STEER CYL (89065)	
21	237703GT	TIE ROD WELDMENT, Z45/51	1
22	215333GT	FORMING, FRONT AXLE BRK	1
23	78736GT	CLAMP,2 HOSE,PLASTIC	4
24	6884GT	SCREW,HHC,1/4-20 X 2.5	2
25	6091GT	NUT,NYLOCK,1/4-20	

203.2 Steer Axle Linkage



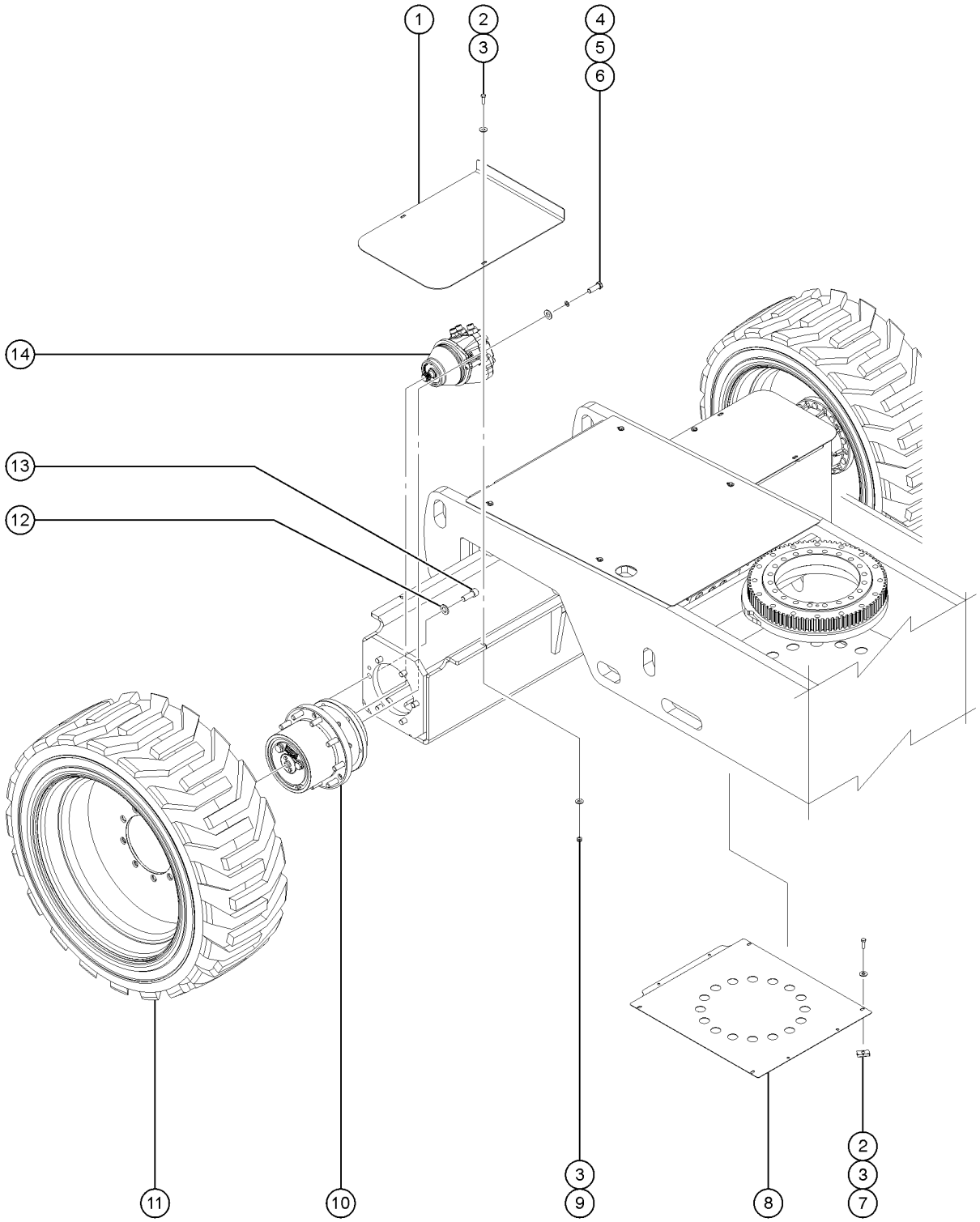
Item	*Part No.*	*Description*	*Qty.*
26	232081GT	WELDMENT, FRONT AXLE, Z45	1
27	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
28	74389GT	RUE RING 1.00	6

204.1 Non-steer End Wheels and Hubs



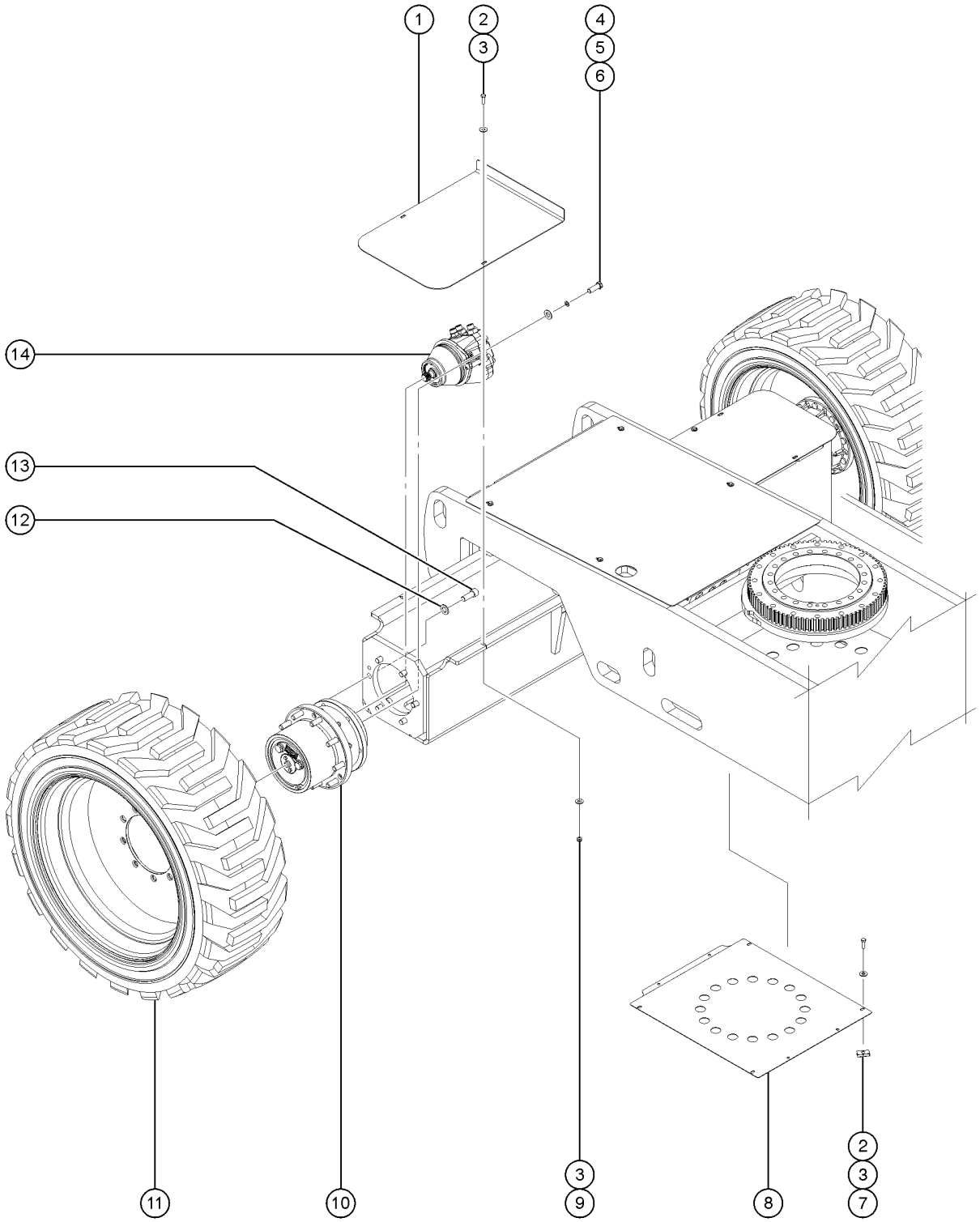
Item	Part No.	Description	Qty.
1	216057GT	COVER, REAR AXLE, METRIC Z45	2
2	6888GT	SCREW, HHC, 1/4-20 X 1	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	88296GT	SCREW,HHC,7/16-14 X 1.25	
5	20912GT	WASHER,LOCK,.437,PLTD	
6	106134GT	WASHER,FLAT,HARDENED 7/16	
7	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG replaced 73871	1
8	120269GT	FORMING,BELLY PAN	1
9	6889GT	NUT,LP NYLOCK,1/4-20	
10	139330GT	WHEEL DRIVE W/ BRAKE,57:1***	2
10-	9990184GT	RETAINING RING, INTERNAL, #180 (COMPONENT OF 139330GT) for 139330	
10-	139966GT	ROD,DISCONNECT,OMNI*** for 139330	
10-	139967GT	CAP,DISENGAGE,OMNI*** for 139330	
10-	139968GT	O-RING,END COVER,OMNI*** for 139330	
10-	139969GT	LINING KIT,BRAKE,OMNI*** for 139330	
10-	139970GT	SEAL KIT,BRAKE,OMNI*** for 139330	
10-	139971GT	BEARING KIT,OMNI*** for 139330	
10-	139972GT	SEAL KIT,GEARBOX,OMNI*** for 139330	
10-	147033GT	O-RING,PIPE PLUG KIT,OMNI*** for 139330	
10-	147034GT	PIPE PLUG KIT,OMNI*** for 139330	
10-	230849GT	WHEEL STUD,5/8-18X67MM for 139330	
10-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45 for 230849	
11		Ref. WHEEL & TIRE ASSY,RR/LF,AIR (refer to 201.1 or 202.1)	
12	13064GT	WASHER,FLAT,.625 HARDENED	
13	119966GT	SCREW,SHC,5/8-11 X 1.63	
14A	101586GT	MOTOR, PISTON, 25CC, 6.5 DEG, 13T 4WD Models	2
14A-	106098GT	SEAL KIT,MOTOR,LC/KC***	
14B	101587GT	MOTOR,PISTON,LC30,10 DEG,13T 2WD Models	2

204.1 Non-steer End Wheels and Hubs



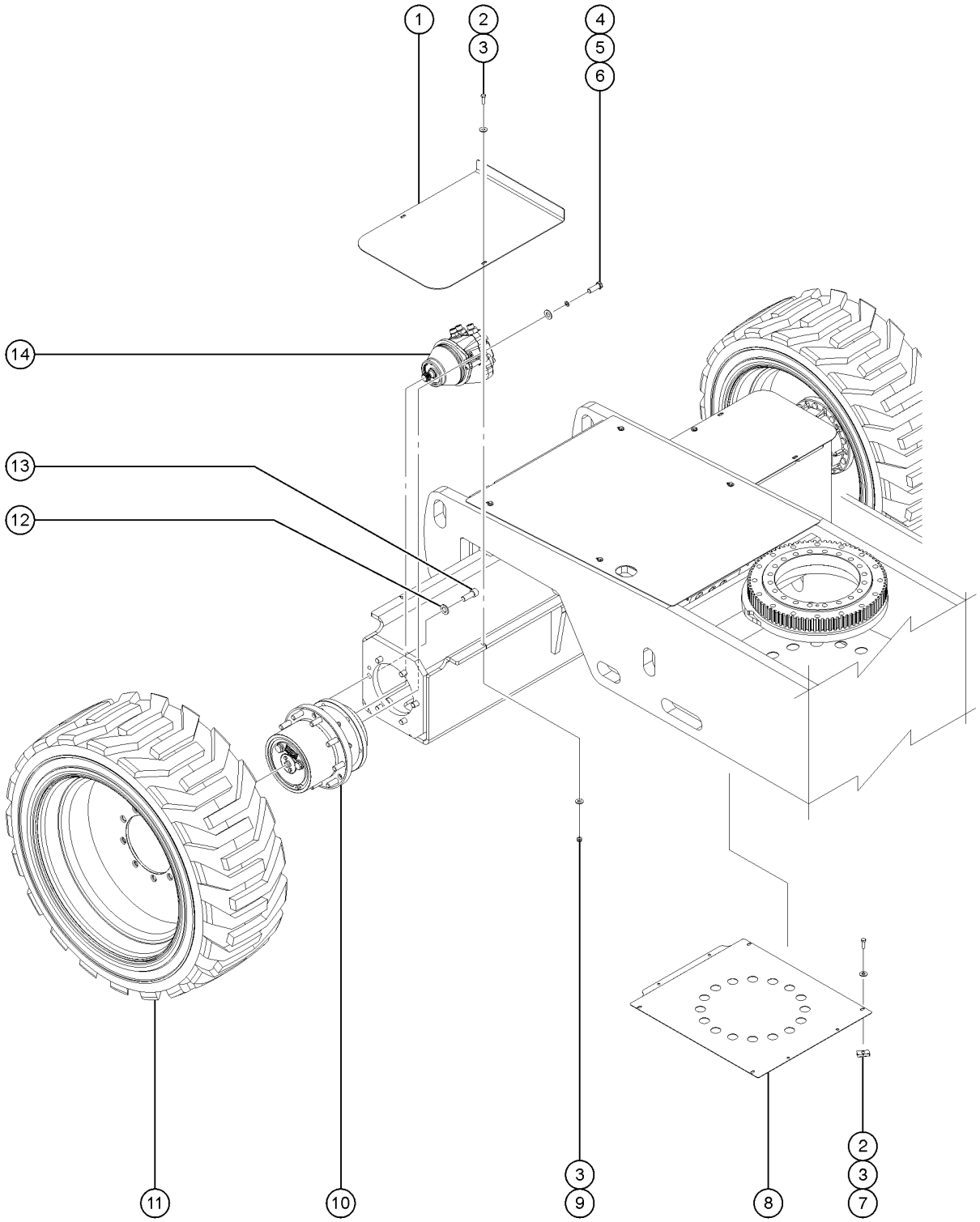
Item	*Part No.*	*Description*	*Qty.*
14B-	32680GT	SEAL KIT,SUNSTRAND	
14B-	102158GT	O-RING,.103 X 4.737,VITON, 75D	

204.2 Non-steer End Wheels and Hubs



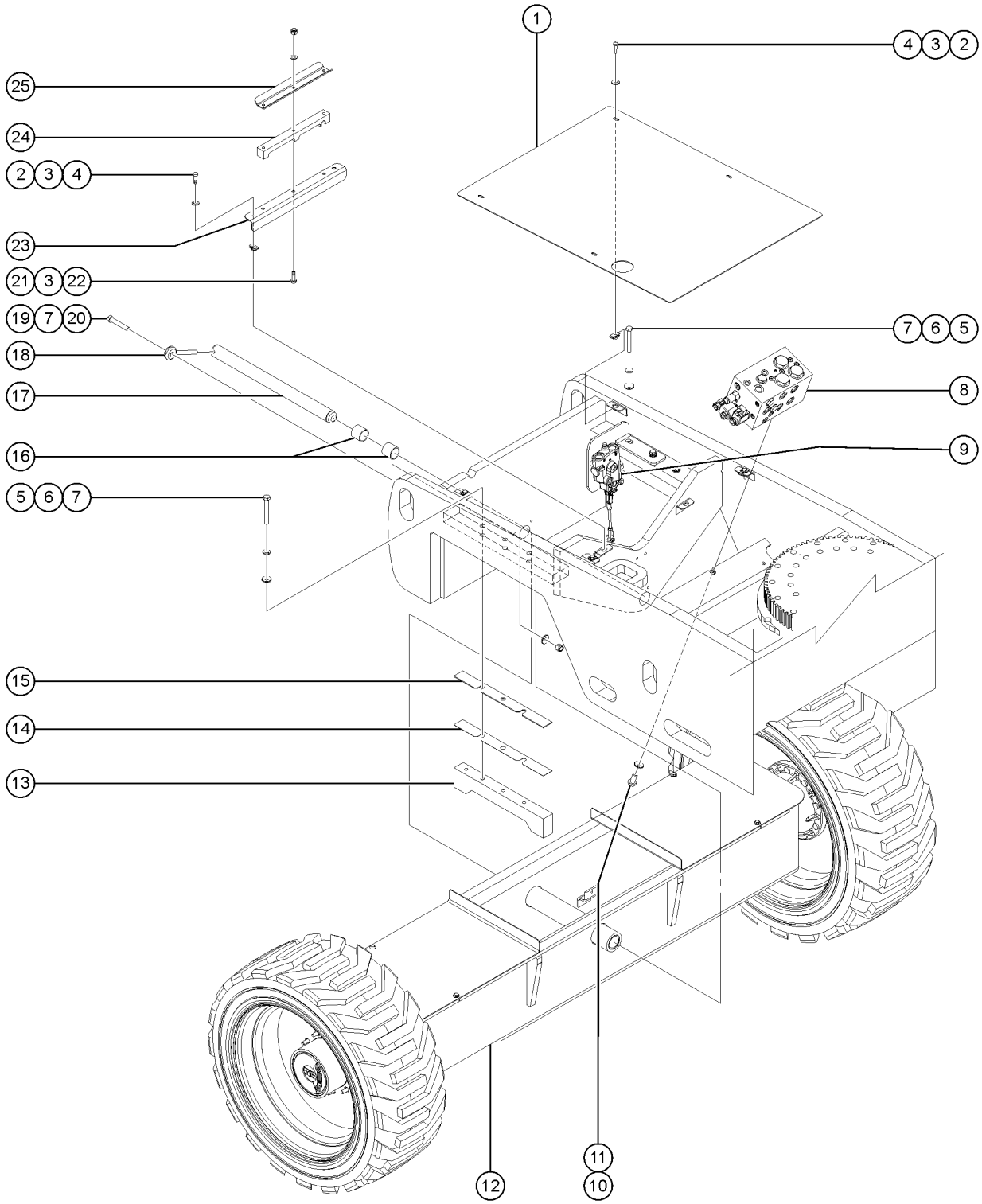
Item	Part No.	Description	Qty.
1	216057GT	COVER, REAR AXLE, METRIC Z45	2
2	6888GT	SCREW, HHC, 1/4-20 X 1	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	88296GT	SCREW,HHC,7/16-14 X 1.25	
5	20912GT	WASHER,LOCK,.437,PLTD	
6	106134GT	WASHER,FLAT,HARDENED 7/16	
7	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG replaced 73871	1
8	120269GT	FORMING,BELLY PAN	1
9	6889GT	NUT,LP NYLOCK,1/4-20	
10	139330GT	WHEEL DRIVE W/ BRAKE,57:1***	2
11		Ref. WHEEL & TIRE ASSY,RR/LF,AIR (refer to 201.1 or 202.1)	
12	13064GT	WASHER,FLAT,.625 HARDENED	
13	119966GT	SCREW,SHC,5/8-11 X 1.63	
10-	139966GT	ROD,DISCONNECT,OMNI*** for 139330	
10-	139967GT	CAP,DISENGAGE,OMNI*** for 139330	
10-	139968GT	O-RING,END COVER,OMNI*** for 139330	
10-	139969GT	LINING KIT,BRAKE,OMNI*** for 139330	
10-	139970GT	SEAL KIT,BRAKE,OMNI*** for 139330	
10-	139971GT	BEARING KIT,OMNI*** for 139330	
10-	139972GT	SEAL KIT,GEARBOX,OMNI*** for 139330	
10-	147033GT	O-RING,PIPE PLUG KIT,OMNI*** for 139330	
10-	147034GT	PIPE PLUG KIT,OMNI*** for 139330	
10-	230849GT	WHEEL STUD,5/8-18X67MM for 139330	
10-	54627GT	NUT,LUG,5/8-18 X 90 DEGREE,Z45 for 230849	
14A	101586GT	MOTOR, PISTON, 25CC, 6.5 DEG, 13T 4WD Models	2
14A-	106098GT	SEAL KIT,MOTOR,LC/KC***	
14B	101587GT	MOTOR,PISTON,LC30,10 DEG,13T 2WD Models	2
14B-	32680GT	SEAL KIT,SUNSTRAND	

204.2 Non-steer End Wheels and Hubs



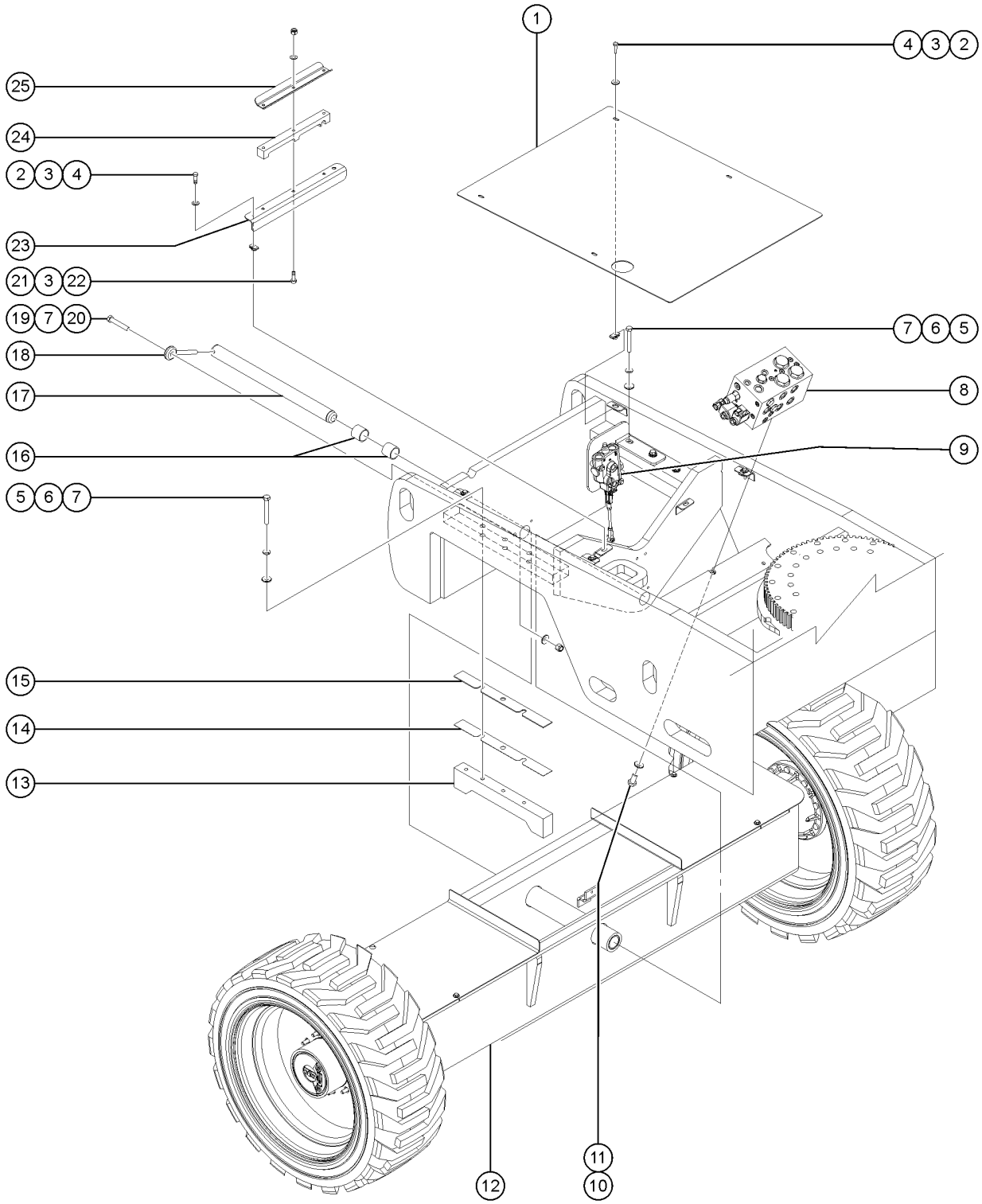
Item	*Part No.*	*Description*	*Qty.*
14B-	102158GT	O-RING,.103 X 4.737,VITON, 75D	

205.1 Non-steer Axle



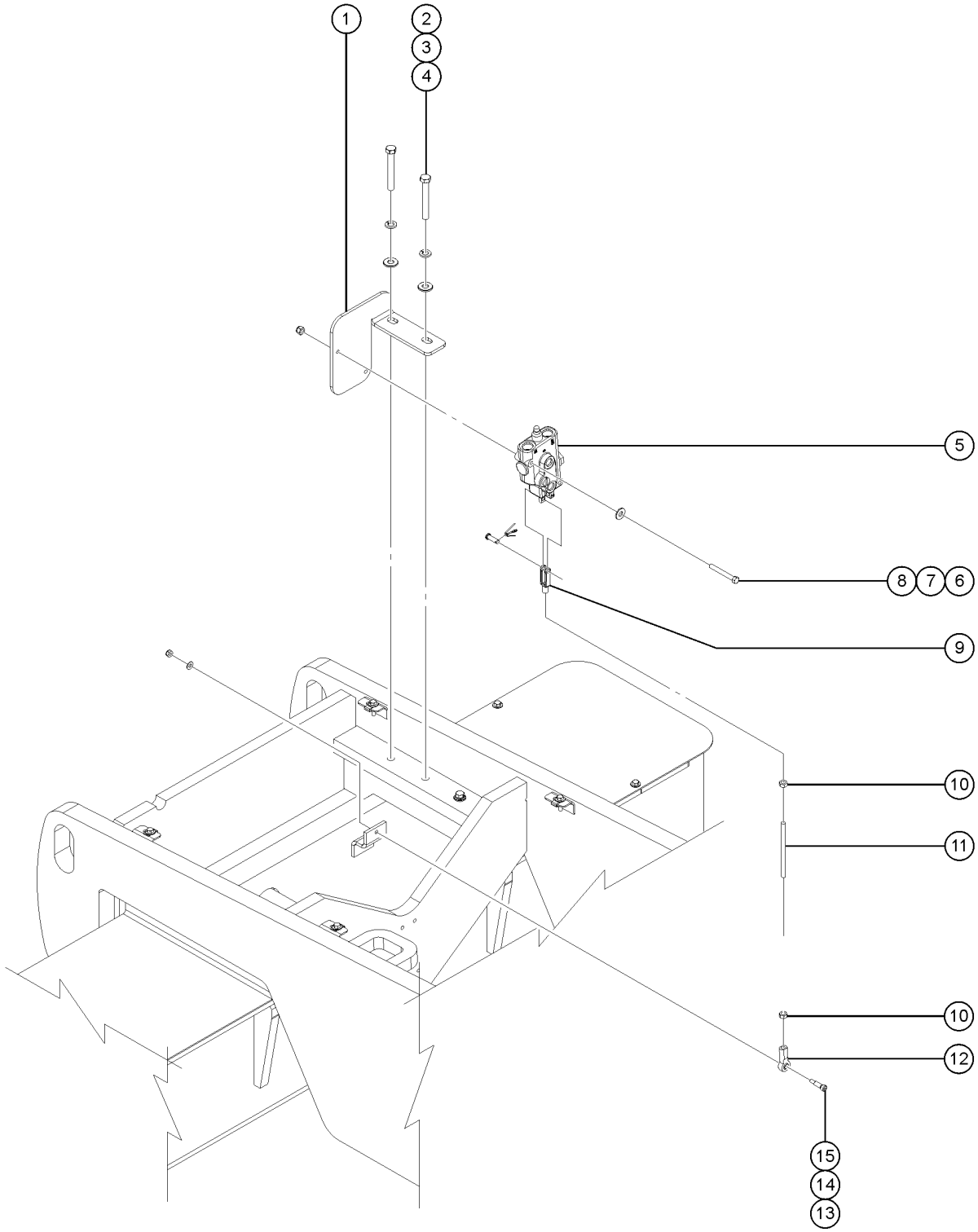
Item	Part No.	Description	Qty.
1	235642GT	COVER, DRIVE CHASSIS, REAR	1
2	6888GT	SCREW, HHC, 1/4-20 X 1	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
5	14033GT	SCREW, HHC, 3/8-16 X 2.75	
6	6021GT	WASHER, LOCK, .375	
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8		Ref. Traction Manifold (refer to 701.1 or 702.1)	
9		Ref. Oscillate Valve (refer to 206.1)	
10	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
11	6033GT	WASHER,LOCK,0.5"	
12	232092GT	WELDMENT, FORMED REAR AXLE	1
13	1272698GT	BAR, AXLE ROTATION STOP	2
14	119209GT	SHIM,AXLE ROTATION STOP,22GA as needed	
15	119210GT	SHIM,AXLE ROTATION STOP,12GA as needed	
16	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
17	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
18	825019GT	ROD END, .375X3.69, ZAG	1
19	6708GT	SCREW,HHC,3/8-16 X 2.25	
20	4828GT	NUT, NYLOCK, 3/8-16	
21	73464GT	BOLT,CARRIAGE,1/4-20 X 1.75,G2	3
22	6091GT	NUT,NYLOCK,1/4-20	3
23	229131GT	BRACKET, CABLE CLAMP	1
24	229132GT	CLAMP, CABLE	1
25	229133GT	PLATE,CLAMP,TOP	1

205.2 Non-steer Axle



Item	Part No.	Description	Qty.
1	235642GT	COVER, DRIVE CHASSIS, REAR	1
2	6888GT	SCREW, HHC, 1/4-20 X 1	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
5	14033GT	SCREW, HHC, 3/8-16 X 2.75	
6	6021GT	WASHER, LOCK, .375	
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8		Ref. Traction Manifold (refer to 701.1 or 702.1)	
9		Ref. Oscillate Valve (refer to 206.1)	
10	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
11	6033GT	WASHER,LOCK,0.5"	
12	232092GT	WELDMENT, FORMED REAR AXLE	1
13	1272698GT	BAR, AXLE ROTATION STOP	2
14	119209GT	SHIM,AXLE ROTATION STOP,22GA as needed	
15	119210GT	SHIM,AXLE ROTATION STOP,12GA as needed	
16	119619GT	BEARING,1.5 ID X 1.75 ODX1.5L	2
17	54542GT	PIN,1.50DIAX20.00LG,CHAMFER	1
18	825019GT	ROD END, .375X3.69, ZAG	1
19	6708GT	SCREW,HHC,3/8-16 X 2.25	
20	4828GT	NUT, NYLOCK, 3/8-16	

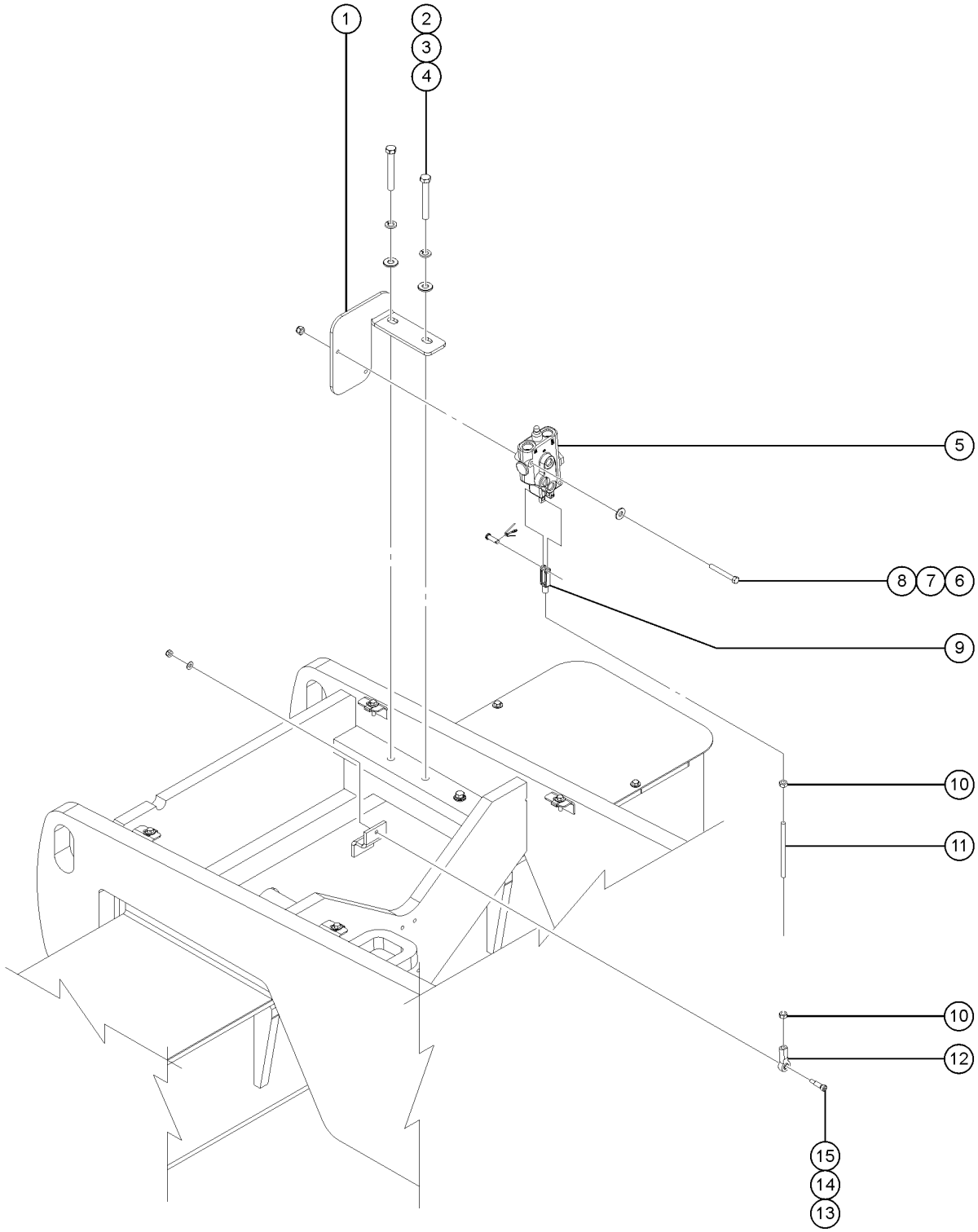
206.1 Oscillate Valve



206.1 Oscillate Valve

Item	Part No.	Description	Qty.
1	238345GT	FORMING, BRACKET, OSC VALVE	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	
3	6021GT	WASHER, LOCK, .375	
4	5397GT	WASHER, FLAT, USS, 5/16-18	
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5-	32681GT	SEAL KIT,CONTROL VALVE for 49768	
6	6637GT	SCREW,HHC,1/4-20 X 1.75	2
7	6638GT	WASHER, FLAT, USS, 1/4"Y	2
8	6091GT	NUT,NYLOCK,1/4-20	2
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
10	21496GT	NUT,HEX,1/4-28	2
11	30785-400GT	THREADED ROD,1/4-28 X 4 IN***	1
12	81691GT	ROD END,BALL JOINT 1/4-28	1
13	6584GT	SCREW,SHS,10-24 X .625	1
14	6146GT	WASHER,FLAT,MS,#10,Y	1
15	5365GT	NUT,NYLOCK,10-24	1

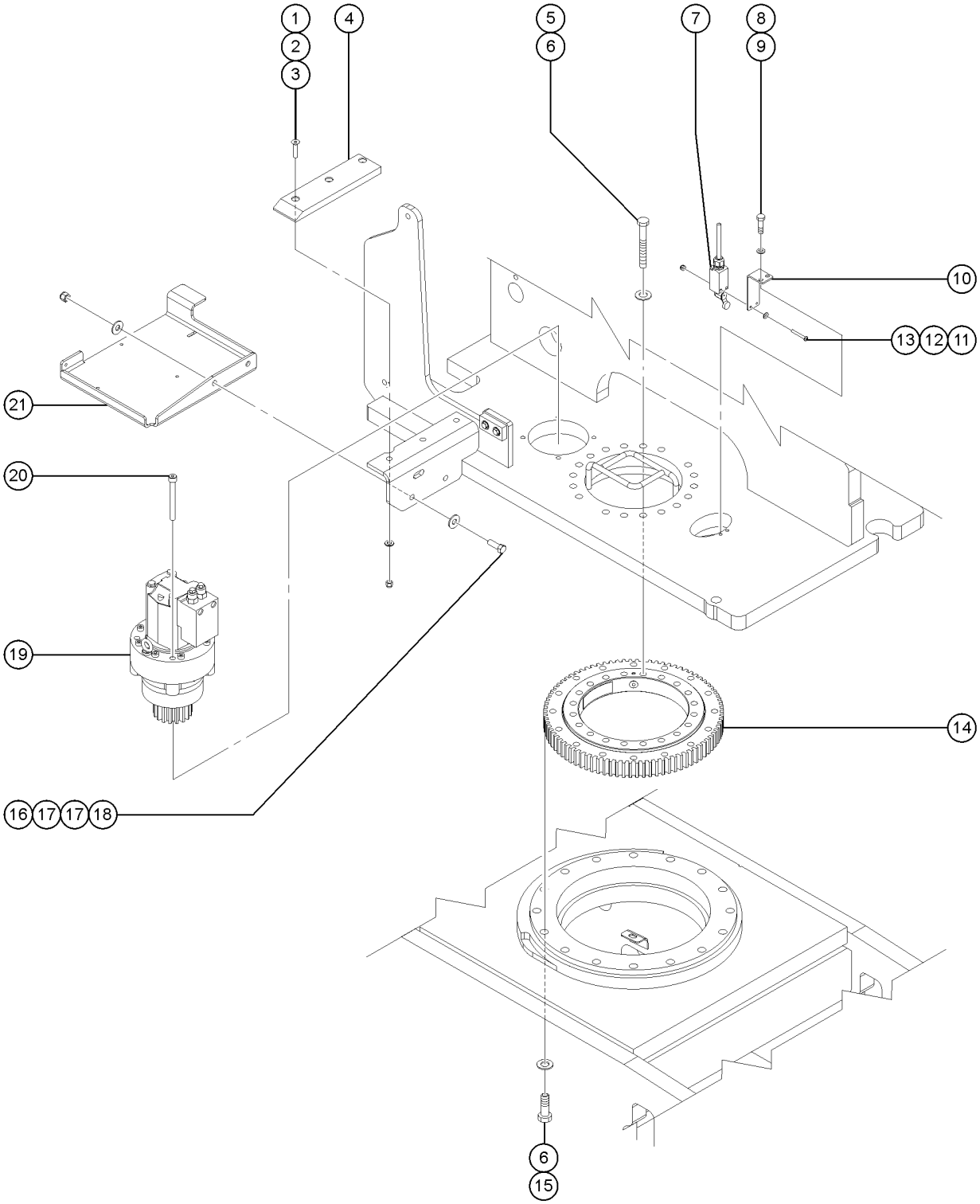
206.2 Oscillate Valve



206.2 Oscillate Valve

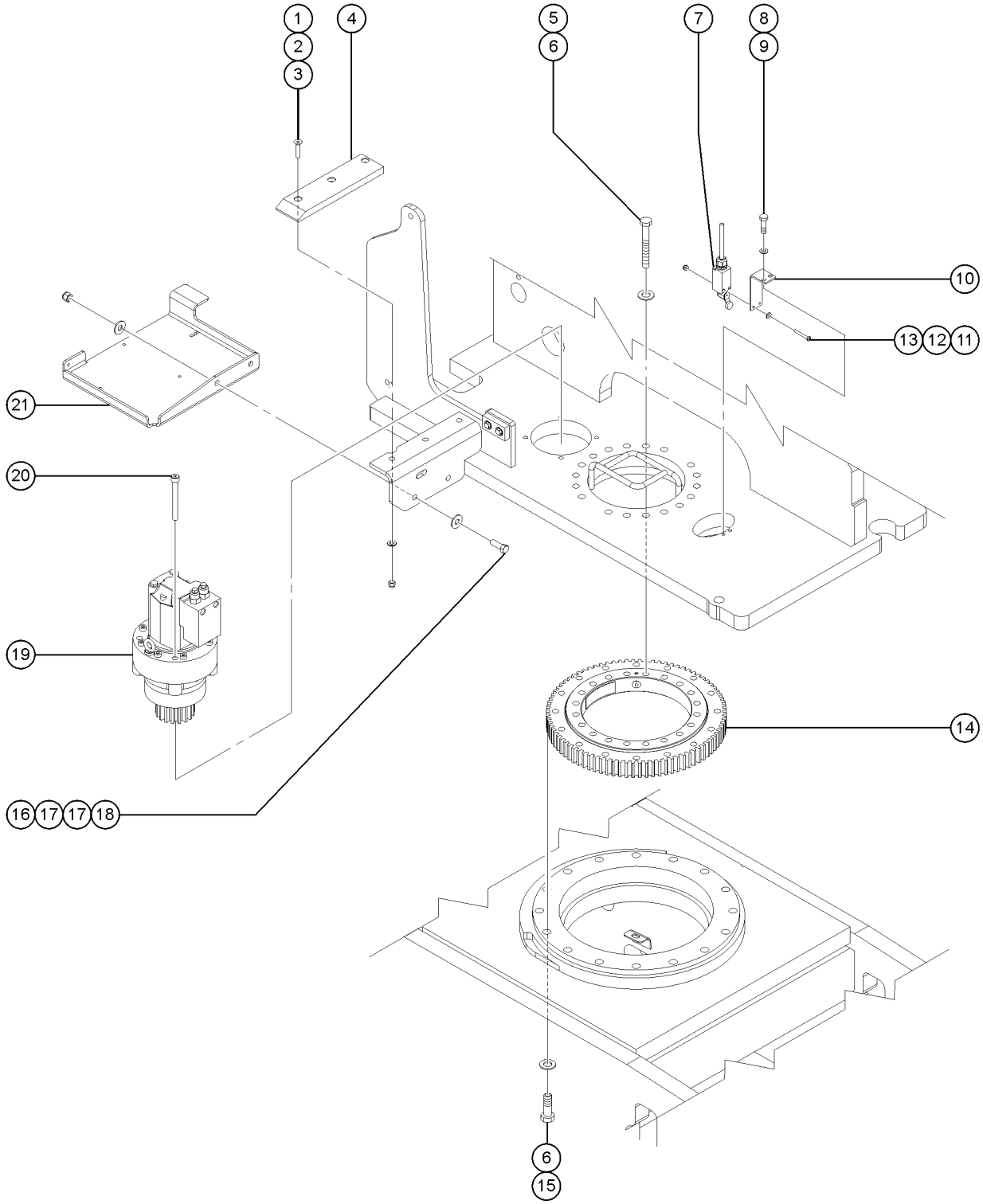
Item	Part No.	Description	Qty.
1	238345GT	FORMING, BRACKET, OSC VALVE	1
2	14033GT	SCREW, HHC, 3/8-16 X 2.75	
3	6021GT	WASHER, LOCK, .375	
4	5397GT	WASHER, FLAT, USS, 5/16-18	
5	49768GT	VLV,MAN,3 POS/4 WAY,CLOSE CTR*	1
5-	32681GT	SEAL KIT,CONTROL VALVE for 49768	
6	6637GT	SCREW,HHC,1/4-20 X 1.75	2
7	6638GT	WASHER, FLAT, USS, 1/4"Y	2
8	6091GT	NUT,NYLOCK,1/4-20	2
9	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1
10	21496GT	NUT,HEX,1/4-28	2
11	30785-400GT	THREADED ROD,1/4-28 X 4 IN***	1
12	81691GT	ROD END,BALL JOINT 1/4-28	1
13	6584GT	SCREW,SHS,10-24 X .625	1
14	6146GT	WASHER,FLAT,MS,#10,Y	1
15	5365GT	NUT,NYLOCK,10-24	1

301.1 Turntable Rotator



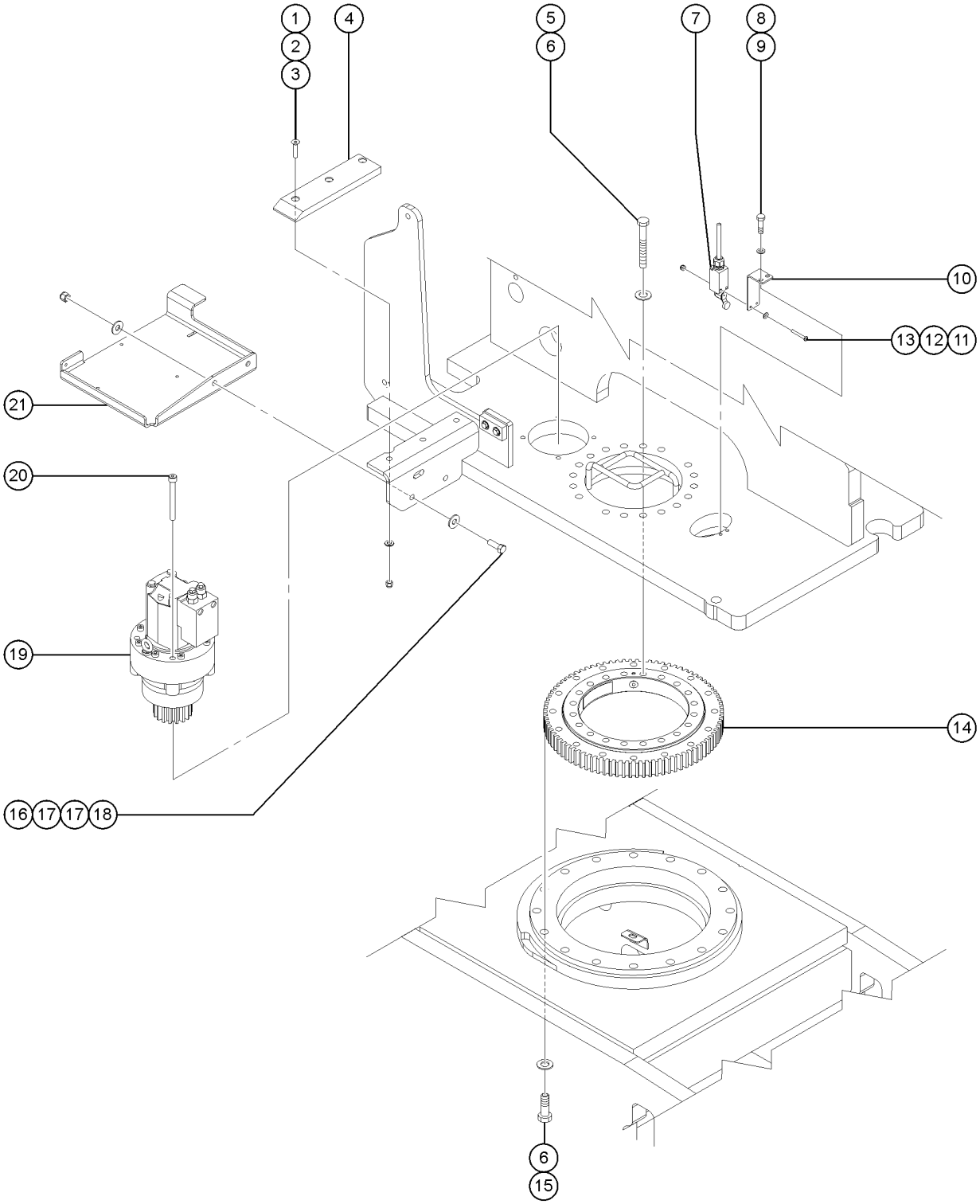
Item	Part No.	Description	Qty.
1	17712GT	SCREW,FHS,3/8-16 X 1.75	
2	5397GT	WASHER, FLAT, USS, 5/16-18	
3	4828GT	NUT, NYLOCK, 3/8-16	
4	50519GT	LOAD PAD,ENGINE TRAY SUPPORT	1
5	139865GT	SCREW,HHC,5/8-11 X 4.00 GR8 BO	18
6	13064GT	WASHER,FLAT,.625 HARDENED	
7	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
7-	89756GT	NECK/HEAD-LIMIT SWITCH (88356)	
7-	97128GT	ROLLER ARM,LIMIT SWITCH***	
7-	19491GT	CONTACTOR,LIMIT SWITCH	
8	8255GT	SCREW,HHC,3/8-16 X .75	
9	6021GT	WASHER, LOCK, .375	
10	237790GT	BRACKET,DRIVE SENSOR,ENABLE	1
11	51063GT	SCREW,PHILLIPS,RHM,10-32 X 1.5	
12	6146GT	WASHER,FLAT,MS,#10,Y	
13	6178GT	NUT, NYLOCK, 10-32	
14	101815GT	BEARING,SWING CHASSIS	1
15	139866GT	SCREW,HHC,5/8-11X4.50GR8 PLAIN	
16	8177GT	SCREW,HHC,1/2-13 X 1.5	
17	6095GT	WASHER,FLAT,USS,1/2",Y	
18	6198GT	NUT, NYLOCK, 1/2-13	
19A		Ref: Swing Drive Assy 147209 is no longer available; used from SN Z452511A-40411 to Z452514A-50078 and to Z452514B-3302; order 824050	1
19A-		SEAL KIT,SWING DRIVE*** component no longer available	
19A-		BRAKE KIT, SWING DRIVE component no longer available	
19A-		MANIFOLD KIT, SW DRIVE component no longer available	
19A-	220255GT	SEAL KIT,MANIFOLD TO MOTOR for 147212; from SN Z452511A-40411 to Z452514A-50078 and to Z452514B-3302	
19A-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
19B	824050GT	SWING DRIVE ASSEMBLY from SN Z452514A-50079 and Z452514B-3303, replaces PN 147209	

301.1 Turntable Rotator



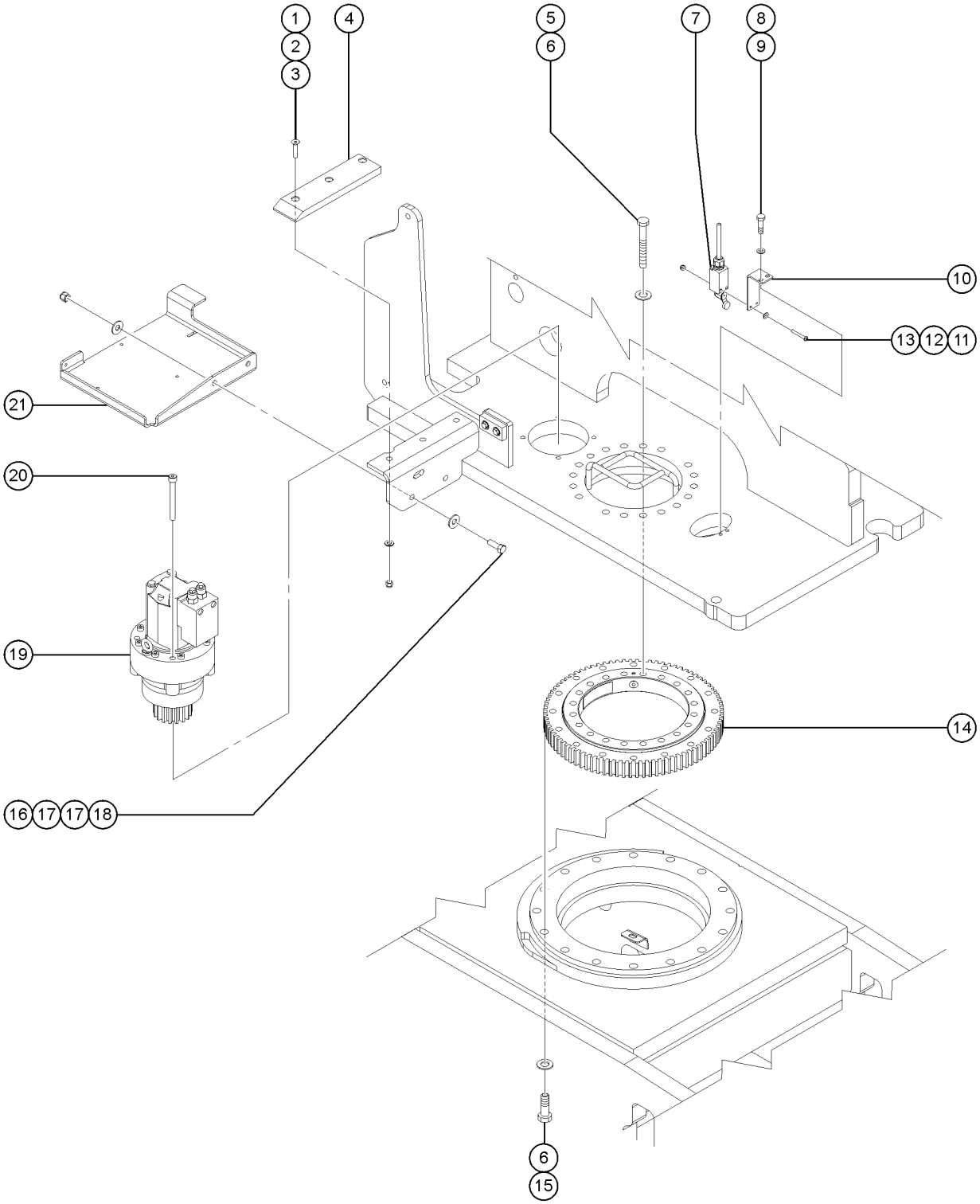
Item	*Part No.*	*Description*	*Qty.*
19B-	824051GT	SEAL KIT, SWING DRIVE for 824050; from SN Z452514A-50079 and Z452514B-3303	
19B-	824052GT	VALVE BLOCK, SWING DRIVE for 824050; from SN Z452514A-50079 and Z452514B-3303	
19B-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
20	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC	
21	147067GT	BRACKET,BATTERY MOUNT	1

301.2 Turntable Rotator



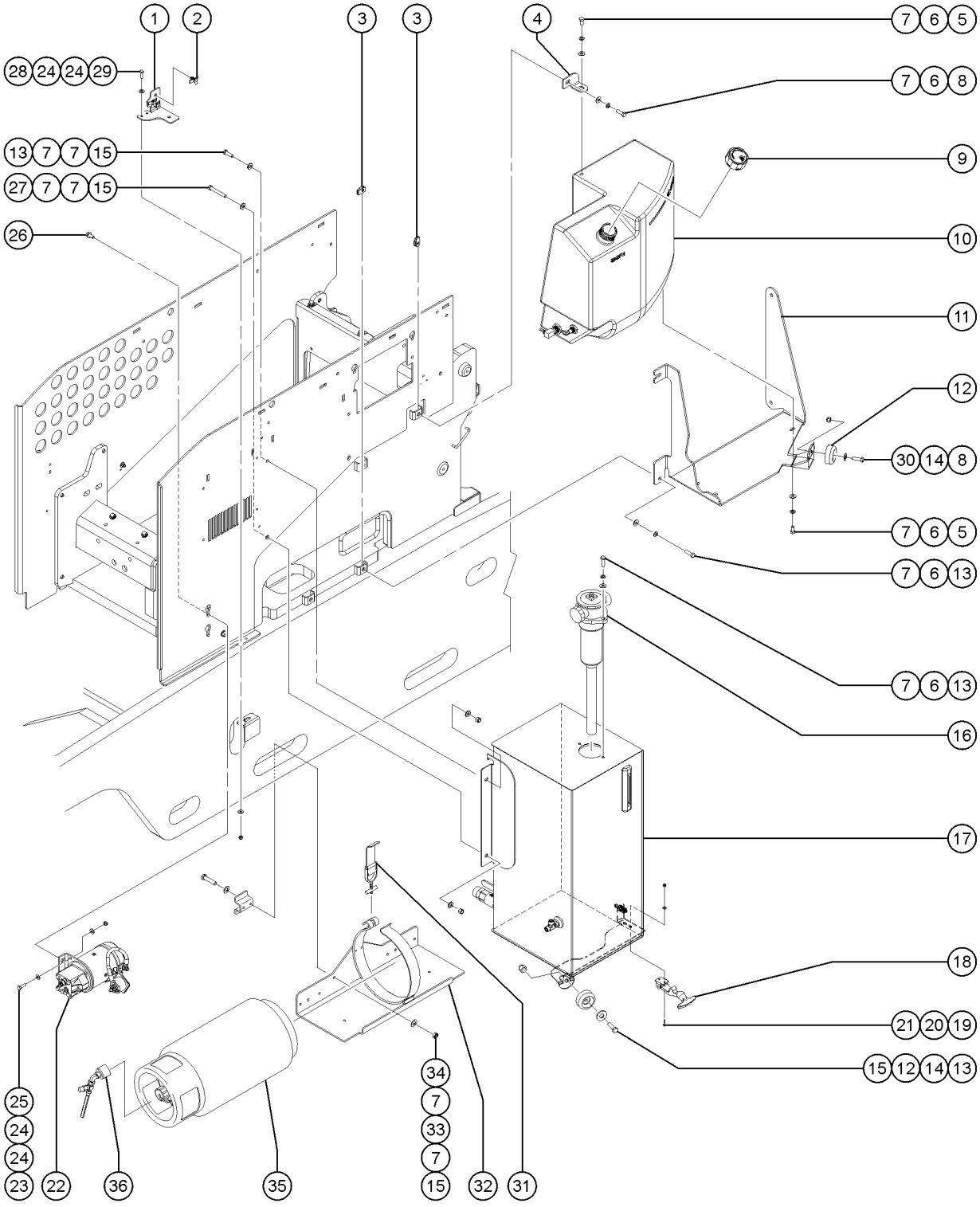
Item	Part No.	Description	Qty.
1	17712GT	SCREW,FHS,3/8-16 X 1.75	
2	5397GT	WASHER, FLAT, USS, 5/16-18	
3	4828GT	NUT, NYLOCK, 3/8-16	
4	50519GT	LOAD PAD,ENGINE TRAY SUPPORT	1
5	139865GT	SCREW,HHC,5/8-11 X 4.00 GR8 BO	18
6	13064GT	WASHER,FLAT,.625 HARDENED	
7	88356-11103GT	SWITCH,LIMIT,W/RLR ARM,NO/NC	1
7-	89756GT	NECK/HEAD-LIMIT SWITCH (88356)	
7-	97128GT	ROLLER ARM,LIMIT SWITCH***	
7-	19491GT	CONTACTOR,LIMIT SWITCH	
8	8255GT	SCREW,HHC,3/8-16 X .75	
9	6021GT	WASHER, LOCK, .375	
10	237790GT	BRACKET,DRIVE SENSOR,ENABLE	1
11	51063GT	SCREW,PHILLIPS,RHM,10-32 X 1.5	
12	6146GT	WASHER,FLAT,MS,#10,Y	
13	6178GT	NUT, NYLOCK, 10-32	
14	101815GT	BEARING,SWING CHASSIS	1
15	139866GT	SCREW,HHC,5/8-11X4.50GR8 PLAIN	
16	8177GT	SCREW,HHC,1/2-13 X 1.5	
17	6095GT	WASHER,FLAT,USS,1/2",Y	
18	6198GT	NUT, NYLOCK, 1/2-13	
19A		Ref: Swing Drive Assy 147209 is no longer available; used from SN Z452511A-40411 to Z452514A-50078 and to Z452514B-3302; order 824050	1
19A-		SEAL KIT,SWING DRIVE*** component no longer available	
19A-		BRAKE KIT, SWING DRIVE component no longer available	
19A-		MANIFOLD KIT, SW DRIVE component no longer available	
19A-	220255GT	SEAL KIT,MANIFOLD TO MOTOR for 147212; from SN Z452511A-40411 to Z452514A-50078 and to Z452514B-3302	
19A-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
19B	824050GT	SWING DRIVE ASSEMBLY from SN Z452514A-50079 and Z452514B-3303	

301.2 Turntable Rotator



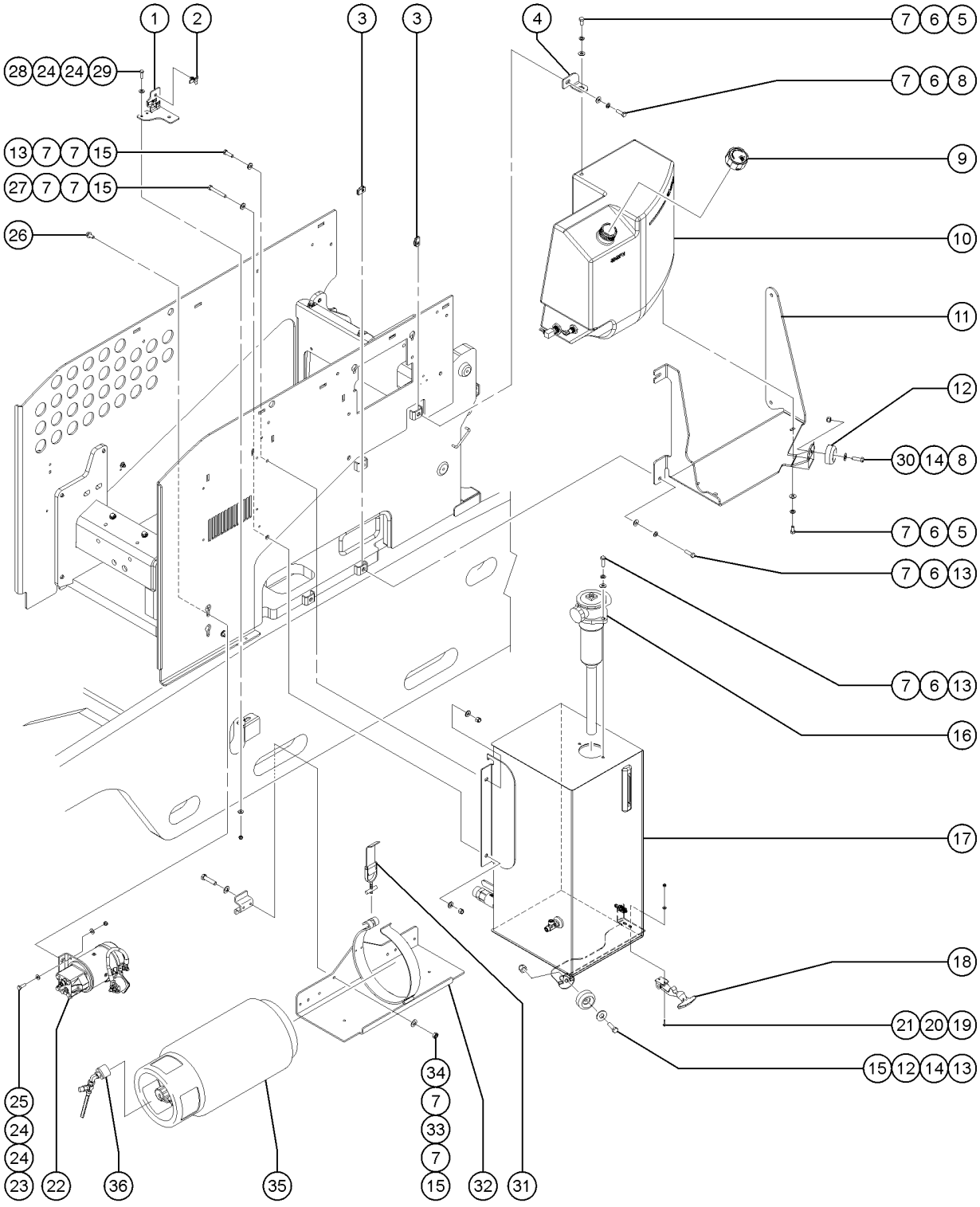
Item	Part No.	Description	Qty.
19B-	824051GT	SEAL KIT, SWING DRIVE for 824050; from SN Z452514A-50079 and Z452514B-3303	
19B-	824052GT	VALVE BLOCK, SWING DRIVE for 824050; from SN Z452514A-50079 and Z452514B-3303	
19B-	48904GT	ELBOW, 90D, 520220-4 not included, must order seperately	
20	56680GT	SCREW,SHC,1/2-13 X 4.50 ZINC	
21	147067GT	BRACKET,BATTERY MOUNT	1

302.1 Fuel and Hydraulic Tank Installation



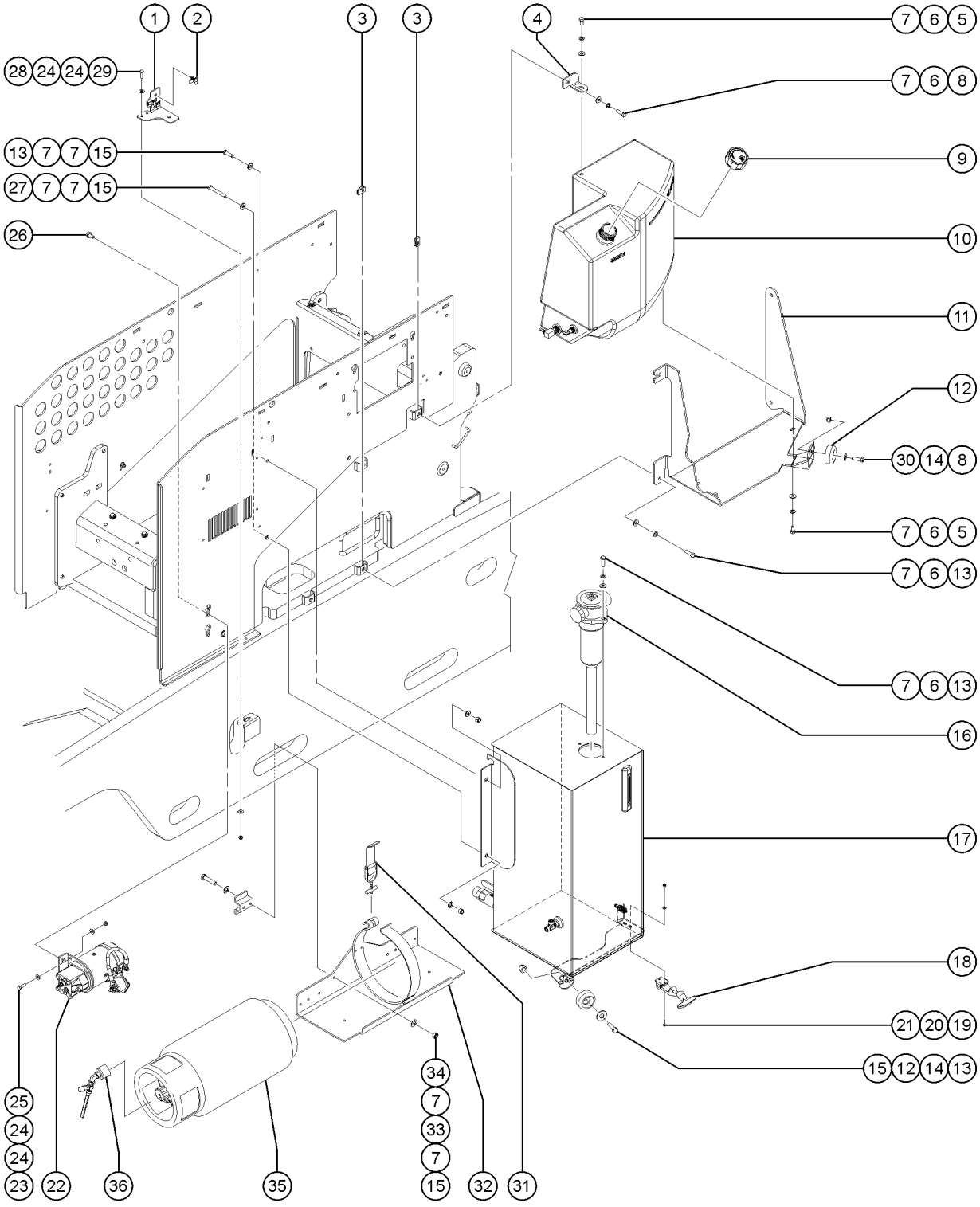
Item	Part No.	Description	Qty.
1	219350GT	FORMING, AUX. CABLE , HOSE BRK	1
2	105214GT	CABLE TIE MOUNT, WINGED	4
3	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	5
4	238388GT	FORMING, UPPER FUEL TANK BRK	1
5	8255GT	SCREW,HHC,3/8-16 X .75	
6	6021GT	WASHER, LOCK, .375	
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8	6175GT	SCREW,HHC,3/8-16 X 1	
9		Ref: Fuel Cap (refer to figure 303.1 or 303.2)	1
10		Ref: Fuel Tank (refer to figure 303.1 or 303.2)	1
11	238199GT	MOUNT, FUEL TANK Deutz and Perkins models	1
12	50974GT	BUMPER,RUBBER,COVERS	2
13	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
14	6097GT	WASHER, FLAT, USS, 3/8", Y	
15	4828GT	NUT, NYLOCK, 3/8-16	
16A	110345GT	FILTER ASSY,INTANK includes item 16B	1
16A-	147223GT	SEAL,FILTER LID	
16B	77353GT	KIT,ELEMENT**	
16B-	94526GT	GASKET,RETURN FILTER-77353	
16B-	77354GT	FILTER LID,RFM165	
16B-	77365GT	BREATHER CAP,RFM165	
16B-	88917GT	FILTER,ELEMENT,BETA(10)=200	
17	139960GT	ASSEMBLY,HYDRAULIC TANK	1
17-	21141GT	GAUGE-SIGHT,LHA-LGTB***	
17-	147419GT	KIT,STRAINER REPLACEMENT	
17-	94612GT	PLUG,MAGNETIC,SAE-6***	
18	45363GT	LATCH,FLEXIBLE	1
19	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	

302.1 Fuel and Hydraulic Tank Installation



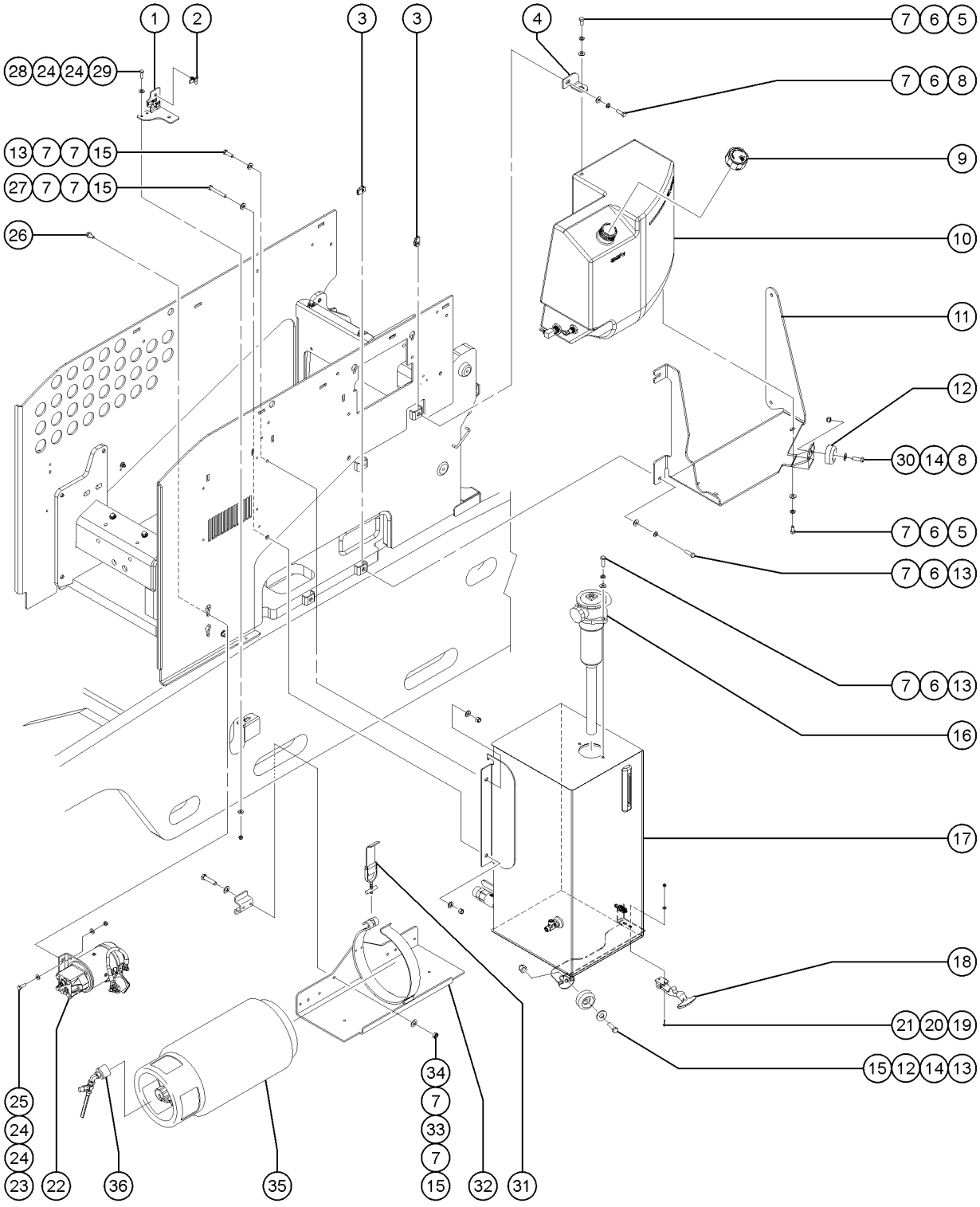
Item	Part No.	Description	Qty.
20	6146GT	WASHER,FLAT,MS,#10,Y	
21	6178GT	NUT, NYLOCK, 10-32	
22	77066GT	ASSEMBLY, AUX POWER UNIT, 12VD	1
22-	77069GT	MOTOR,12VDC,77066 to SN 54067	
22-	1264969GT	MOTOR, 12VDC, I-TERMINAL from SN 54068	
22-	77071GT	SOLENOID,77066	
22-	77072GT	CHECK VALVE KIT,77066	
22-	58490GT	PUMP ASSY (77066)	
23	13002GT	SCREW,HHC,5/16-18 X 1 GR5	
24	6638GT	WASHER, FLAT, USS, 1/4"Y	
25	6782GT	NUT, NYLOCK, 5/16-18	
26	121763GT	SCREW,HHF,3/8-16X.75	
27	14033GT	SCREW, HHC, 3/8-16 X 2.75	
28	6888GT	SCREW, HHC, 1/4-20 X 1	
29	6091GT	NUT,NYLOCK,1/4-20	
30	7713GT	NUT, LP NYLOCK, 3/8-16	
31	49000GT	L.P.TANK LATCH	1
32	220253GT	ASSEMBLY, LP TANK MOUNT, Z45 includes 49000 and 60143	1
32-	60143-SGT	WELD, LPG TANK MOUNT	
33	60139GT	FORMING,LP BRACKET MOUNT	1
34	8516GT	SCREW, HCC, 3/8-16 X 1.50	2
35	53605GT	TANK, 7 GAL/33.5 POUND, LP	1
36	119055GT	HOSE ASSY,LP GAS	1

302.2 Fuel and Hydraulic Tank Installation



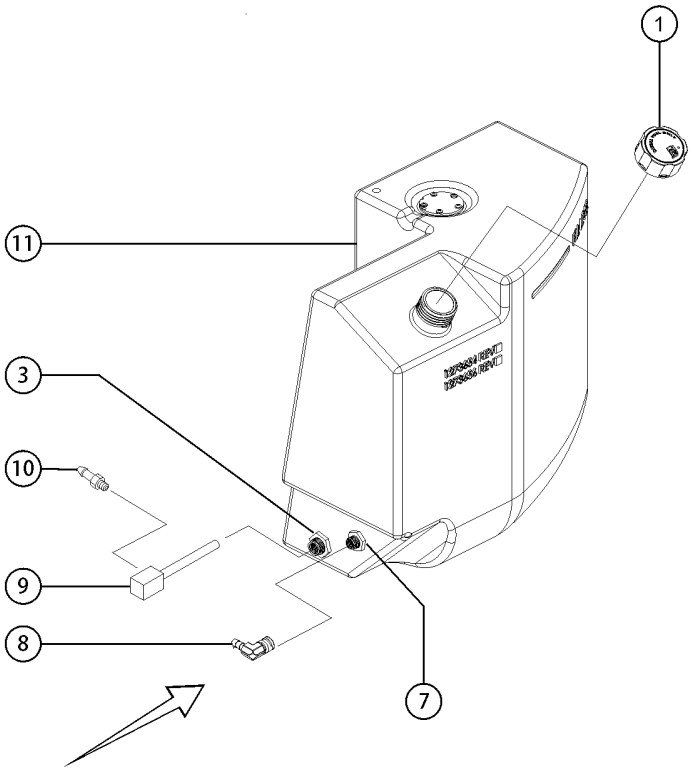
Item	Part No.	Description	Qty.
1	219350GT	FORMING, AUX. CABLE , HOSE BRK	1
2	105214GT	CABLE TIE MOUNT, WINGED	4
3	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	5
4	238388GT	FORMING, UPPER FUEL TANK BRK	1
5	8255GT	SCREW,HHC,3/8-16 X .75	
6	6021GT	WASHER, LOCK, .375	
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8	6175GT	SCREW,HHC,3/8-16 X 1	
9		Ref: Fuel Cap (refer to figure 303.1)	1
10		Ref: Fuel Tank (refer to figure 303.1)	1
11	238199GT	MOUNT, FUEL TANK	1
12	50974GT	BUMPER,RUBBER,COVERS	2
13	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
14	6097GT	WASHER, FLAT, USS, 3/8", Y	
15	4828GT	NUT, NYLOCK, 3/8-16	
16A	110345GT	FILTER ASSY,INTANK includes item 16B	1
16A-	147223GT	SEAL,FILTER LID	
16B	77353GT	KIT,ELEMENT**	
16B-	94526GT	GASKET,RETURN FILTER-77353	
16B-	77354GT	FILTER LID,RFM165	
16B-	77365GT	BREATHER CAP,RFM165	
16B-	88917GT	FILTER,ELEMENT,BETA(10)=200	
17	139960GT	ASSEMBLY,HYDRAULIC TANK	1
17-	21141GT	GAUGE-SIGHT,LHA-LGTB***	
17-	147419GT	KIT,STRAINER REPLACEMENT	
17-	94612GT	PLUG,MAGNETIC,SAE-6***	
18	45363GT	LATCH,FLEXIBLE	1
19	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	

302.2 Fuel and Hydraulic Tank Installation

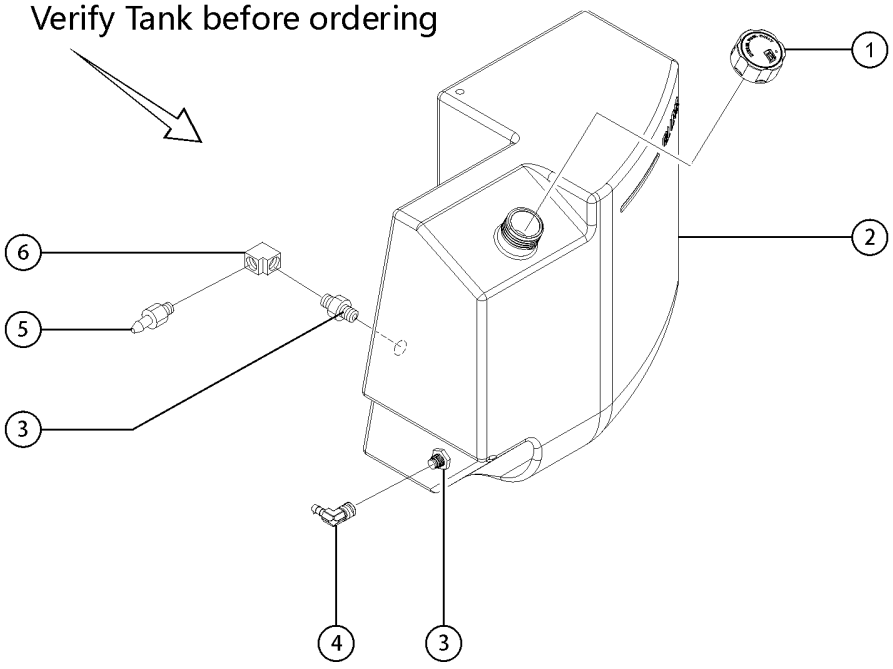


Item	Part No.	Description	Qty.
20	6146GT	WASHER,FLAT,MS,#10,Y	
21	6178GT	NUT, NYLOCK, 10-32	
22	77066GT	ASSEMBLY, AUX POWER UNIT, 12VD	1
22-	77069GT	MOTOR,12VDC,77066	
22-	77071GT	SOLENOID,77066	
22-	77072GT	CHECK VALVE KIT,77066	
22-	58490GT	PUMP ASSY (77066)	
23	13002GT	SCREW,HHC,5/16-18 X 1 GR5	
24	6638GT	WASHER, FLAT, USS, 1/4"Y	
25	6782GT	NUT, NYLOCK, 5/16-18	
26	121763GT	SCREW,HHF,3/8-16X.75	
27	14033GT	SCREW, HHC, 3/8-16 X 2.75	
28	6888GT	SCREW, HHC, 1/4-20 X 1	
29	6091GT	NUT,NYLOCK,1/4-20	
30	7713GT	NUT, LP NYLOCK, 3/8-16	

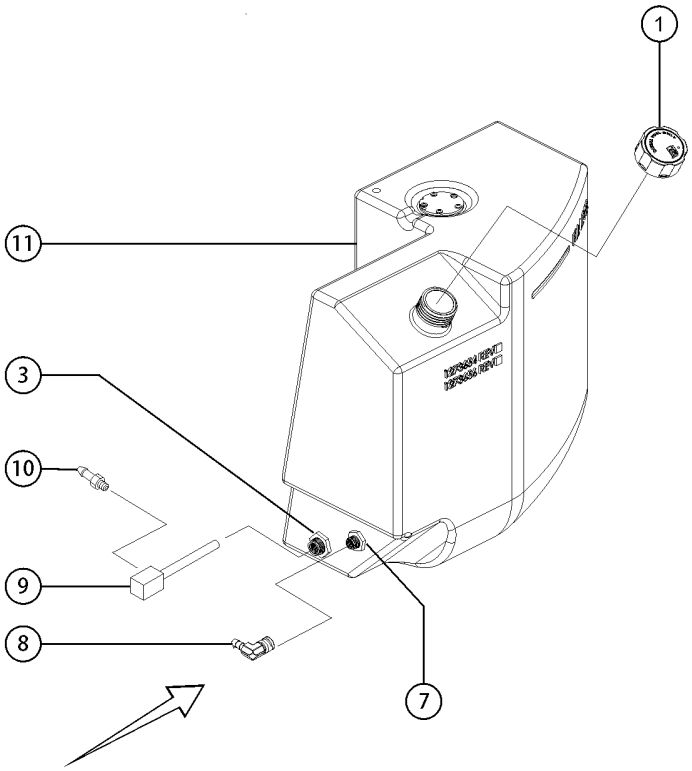
303.1 Diesel Fuel Tank



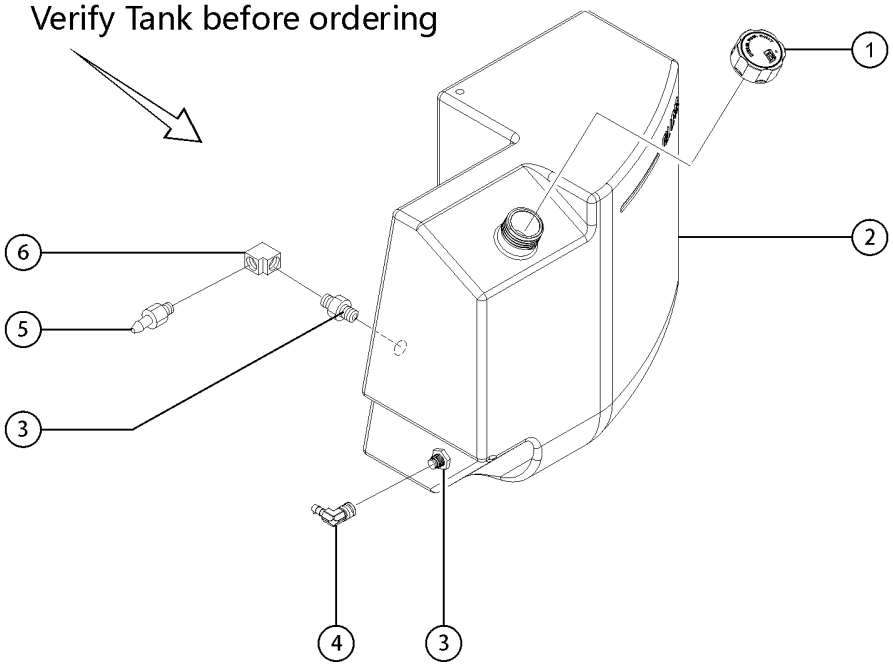
DEUTZ AND PERKINS MODELS
Verify Tank before ordering



Item	Part No.	Description	Qty.
1	101726GT	CAP,FUEL,DIESEL,1/8"VENT(GRN) no longer available, (replaced by 1316635)	1
1B	1316635GT	CAP, FUEL, DIESEL, 0.08 IN HOLE (BLACK)	1
2	1273654GT	ASSEMBLY, FUEL TANK, 17 GAL, P	1
2-	1271773GT	GASKET, TANK, FUEL SENSOR	1
2-	1251757GT	SCREW,PHPM,10-32X.50,ZAG	4
2-	1271772GT	CAP, TANK, FUEL SENSOR (models without fuel sense)	1
3	54324GT	FITTING,BULKHEAD,3/8NPT,FUELTK	
4A	824872GT	FITTING,3/8NPT TO 3/16BARB,90 Perkins 404D-22 engine to SN Z452513A-49075	
4B	824874GT	FITTING,3/8NPT TO 1/4BARB,90 Perkins 404D-22 engine from SN Z452513A-49076	
4C	824874GT	FITTING,3/8NPT TO 1/4BARB,90 Deutz D2011L03i engine to SN Z422513A-49075	
4D	824872GT	FITTING,3/8NPT TO 3/16BARB,90 Deutz D2011L03i engine from SN Z452513A-49076	
4E	27904GT	HOSE END,BARBED,RIGID,90DEG6-6 Perkins 404F-22 and Deutz D2.9L4 engines	
5A	54124GT	HOSE END,BARB,3/8 MNPT X 5/16 Perkins 404D-22 and Deutz D2011L03i engines	
5B	824471GT	FITTING,3/8 NPT TO 1/2 BARB Deutz D2.9L4 engine	
5C	27901GT	HOSE END,BARBED,RIGID,-6-6 Perkins 404F-22	
6	22348GT	ELBOW,130339-6-6	
7	54325GT	FITTING,BULKHEAD,1/4NPT,FUELTK	
8A	54204GT	ELBOW,90DEG.1/4MPT-1/4 BARB Deutz D2011L03i engine	
8B	107889GT	HOSE END,BARB,3/16 MNPT,90D Perkins 404D-22 engine	
9	54333GT	TUBE,FUEL PICKUP,3/8NPTX1/4PT	
10	54437GT	HOSE END,BARB,1/4 MNPTX5/16,ST	
11	1274192GT	ASSY, FUEL TANK, 17 GAL, LEGACY PLASTIC (119798GT no longer available)(includes items 2, 3 & 9), verify tank before ordering	1
A		Verify Engine Make and Model Before Ordering Fuel Tank and Components	
B		Perkins 404D-22 and Deutz D2011L03 engines have one of two Fuel Tanks, verify tank before ordering	

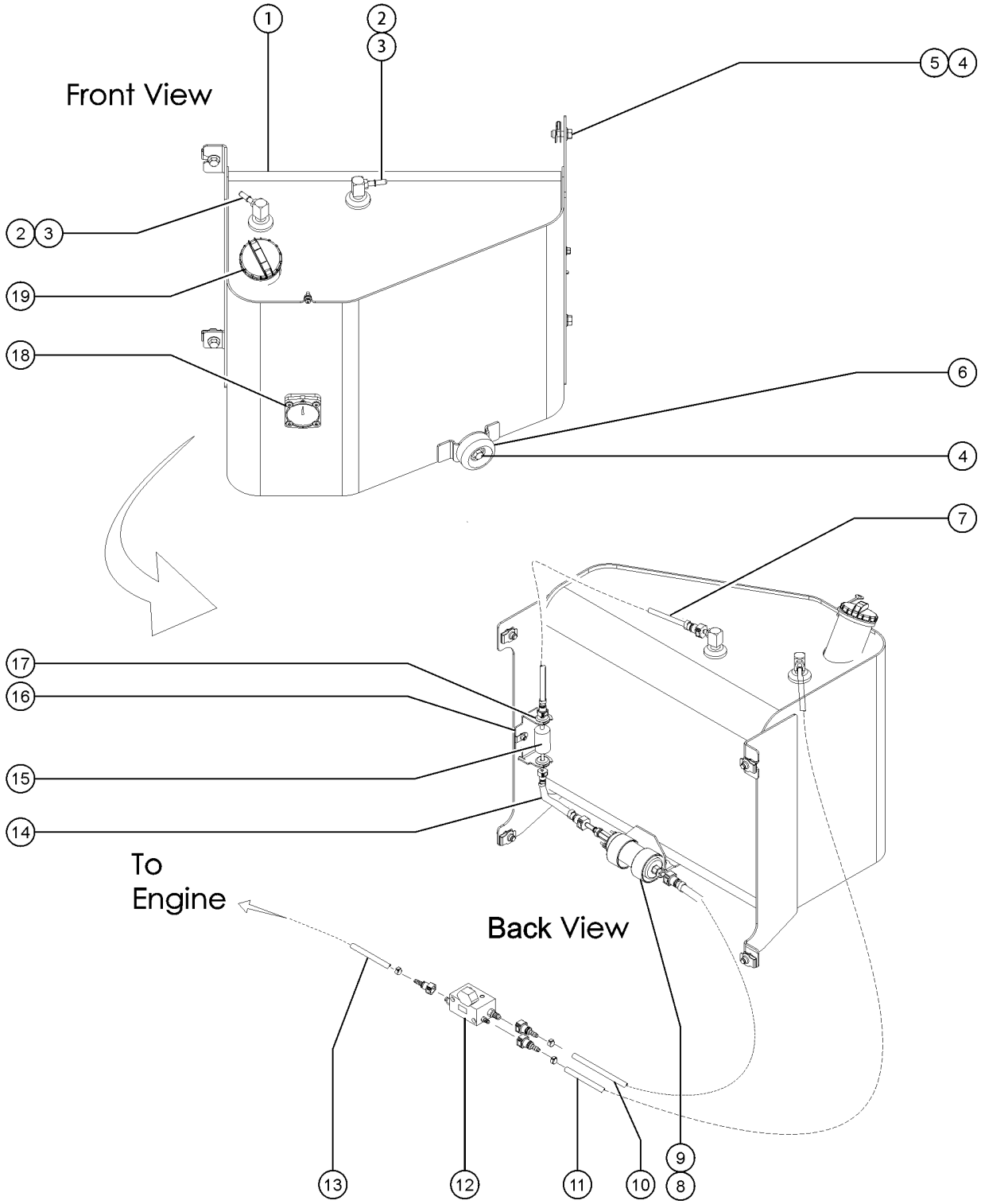


DEUTZ AND PERKINS MODELS
Verify Tank before ordering



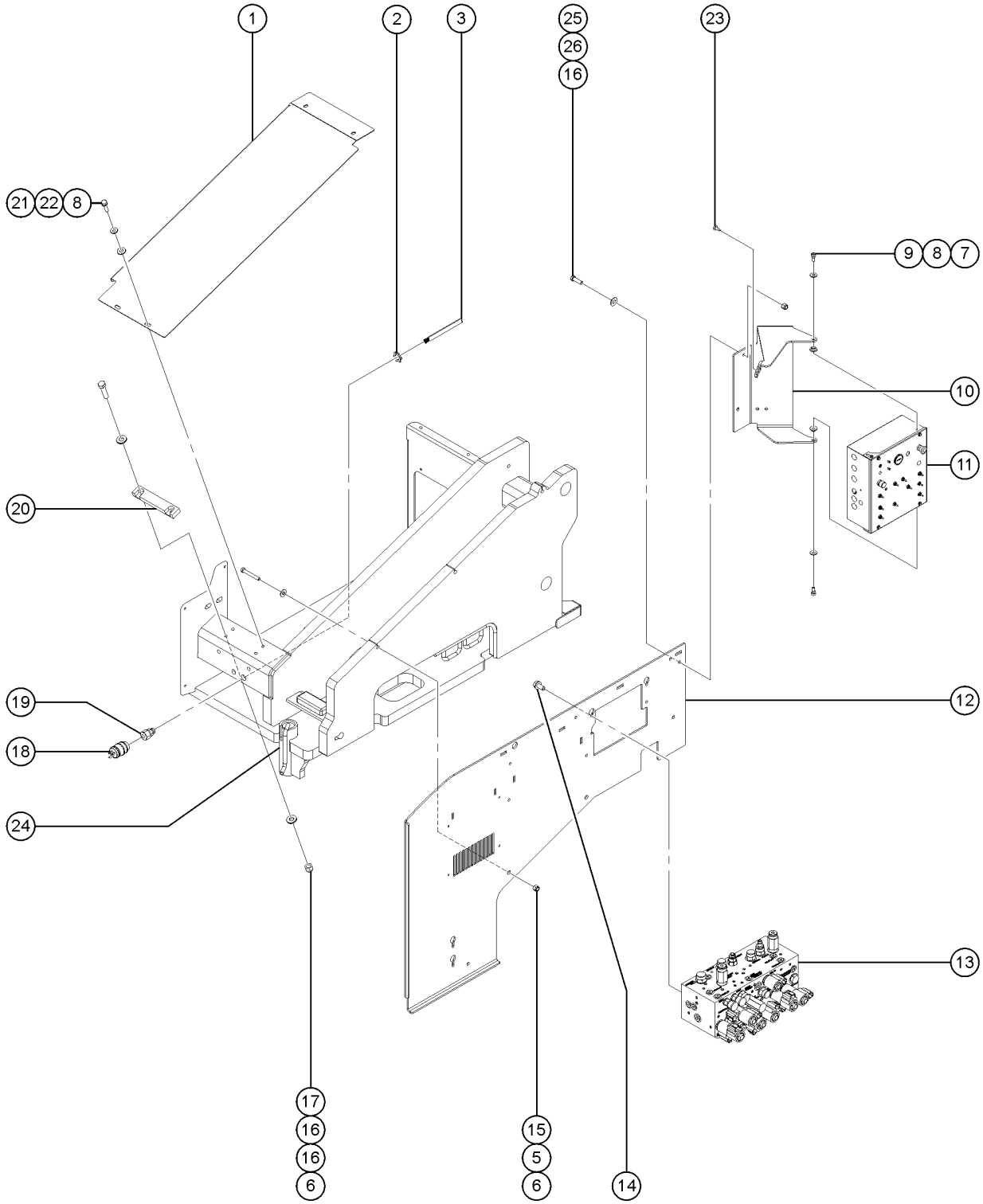
Item	Part No.	Description	Qty.
A		Verify Engine Make and Model Before Ordering Fuel Tank and Components	
B		Perkins 404D-22 and Deutz D2011L03 engines have one of two Fuel Tanks, verify tank before ordering	
1	101726GT	CAP,FUEL,DIESEL,1/8"VENT(GRN) no longer available, (replaced by 1316635)	1
1B	1316635GT	CAP, FUEL, DIESEL, 0.08 IN HOLE (BLACK)	1
2	1273654GT	ASSEMBLY, FUEL TANK, 17 GAL, P	1
2-	1271772GT	CAP, TANK, FUEL SENSOR	1
2-	1271773GT	GASKET, TANK, FUEL SENSOR	1
2-	1251757GT	SCREW,PHPM,10-32X.50,ZAG	4
3	54324GT	FITTING,BULKHEAD,3/8NPT,FUELTK	
4A	824872GT	FITTING,3/8NPT TO 3/16BARB,90 Perkins 404D-22 engine to SN Z452513A-49075	
4B	824874GT	FITTING,3/8NPT TO 1/4BARB,90 Perkins 404D-22 engine from SN Z452513A-49076	
4C	824874GT	FITTING,3/8NPT TO 1/4BARB,90 Deutz D2011L03i engine to SN Z422513A-49075	
4D	824872GT	FITTING,3/8NPT TO 3/16BARB,90 Deutz D2011L03i engine from SN Z452513A-49076	
4E	27904GT	HOSE END,BARBED,RIGID,90DEG6-6 Perkins 404F-22 and Deutz D2.9L4 engines	
5A	54124GT	HOSE END,BARB,3/8 MNPT X 5/16 Perkins 404D-22 and Deutz D2011L03i engines	
5B	824471GT	FITTING,3/8 NPT TO 1/2 BARB Deutz D2.9L4 engine	
5C	27901GT	HOSE END,BARBED,RIGID,-6-6 Perkins 404F-22	
6	22348GT	ELBOW,130339-6-6	
7	54325GT	FITTING,BULKHEAD,1/4NPT,FUELTK	
8A	54204GT	ELBOW,90DEG.1/4MPT-1/4 BARB Deutz D2011L03i engine	
8B	107889GT	HOSE END,BARB,3/16 MNPT,90D Perkins 404D-22 engine	
9	54333GT	TUBE,FUEL PICKUP,3/8NPTX1/4PT	
10	54437GT	HOSE END,BARB,1/4 MNPTX5/16,ST	
11	1274192GT	ASSY, FUEL TANK, 17 GAL, LEGACY PLASTIC (119798GT no longer available)(includes items 2, 3 & 9), verify tank before ordering	1

303.3 Gasoline Fuel Tank, Pump, Filter and Hoses



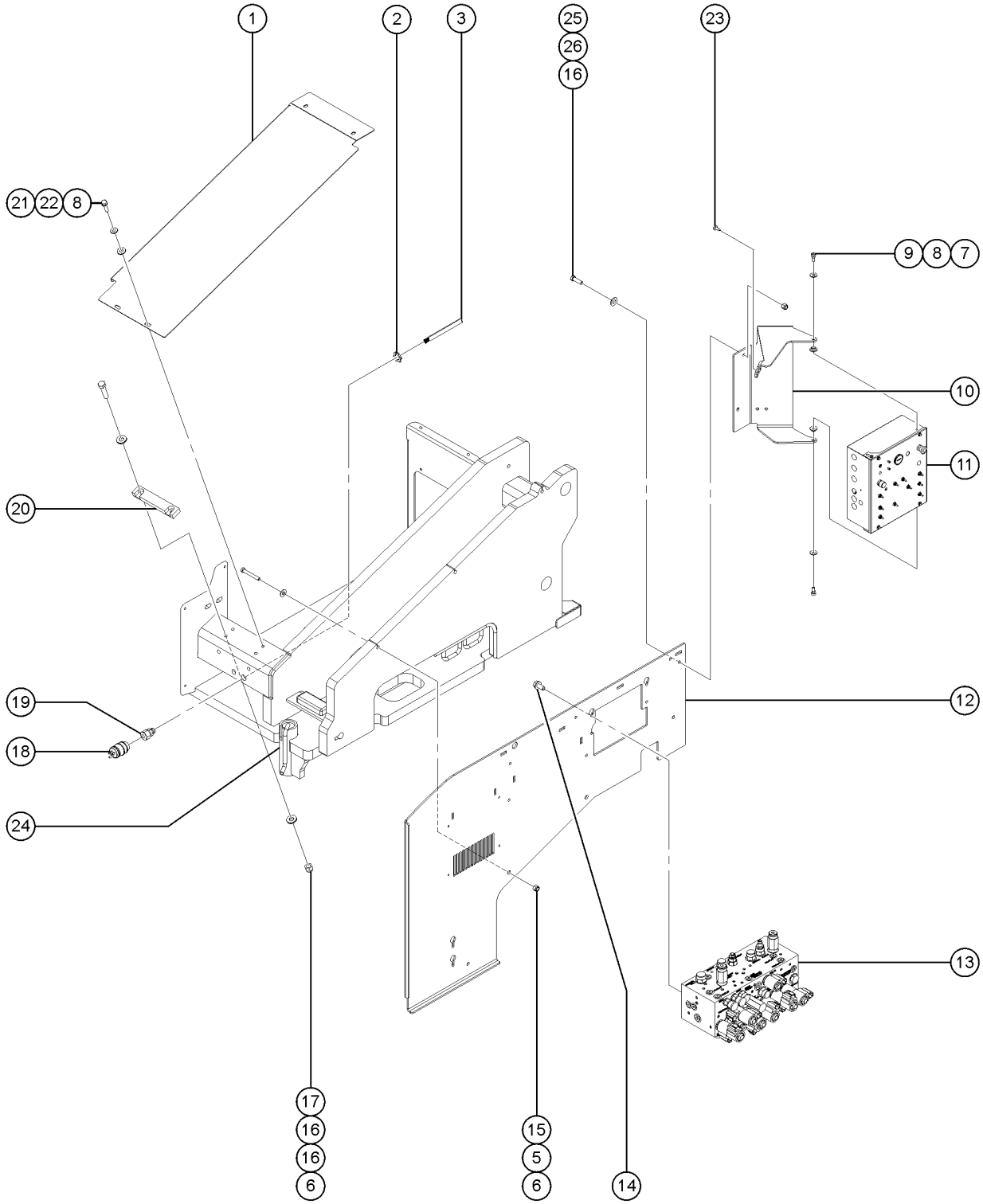
Item	*Part No.*	*Description*	*Qty.*
A	219848GT	ASSY, GASOLINE FUEL TANK	1
A-	94612GT	PLUG,MAGNETIC,SAE-6***	1
1	1274538GT	ASSEMBLY, FUEL TANK, 17 GAL, STD, STEEL	1
1-	145094GT	PLUG,SAE #6	1
2	11818GT	STRAINERBREATHER-FILTER-OIL-(H	2
3	147071GT	FUEL PICKUP,3/8X1/4 NPT X 1675	2
4	824090GT	SCREW,HHF,3/8-16X1,8,ZAG	
5	29868GT	SPRING CLIP,3/8-16,.05-.20X.73,ZAG	
6	50974GT	BUMPER,RUBBER,COVERS	1
7	111817-1925GT	HOSE ASSY,SAE J2260/J2044	1
8	27497GT	CLAMP,RUBBER CUSHIONED-2 5/32	2
9	119168GT	FUEL PUMP,DSG-423 AND MSG-425	1
10	111817-5625GT	HOSE ASSY,SAE J2260/J2044	1
11	111817-6725GT	HOSE ASSY,SAE J2260/J2044	1
12	119170GT	FUEL SENSOR ASSY.	1
13	111817-4825GT	HOSE ASSY,SAE J2260/J2044	1
14	111817-1025GT	HOSE ASSY,SAE J2260/J2044	1
15	1272019GT	FILTER, FUEL	1
16	218523GT	FORMING, FUEL FILTER BRK.	1
17	218790GT	GROMMET, FUEL FILTER	2
18	128851GT	GAUGE, FUEL TANK, GAS	1
19	119918GT	CAP,FUEL,GASOLINE 3.5PSI	1

304.1 Function Manifold and Ground Control Box Installation



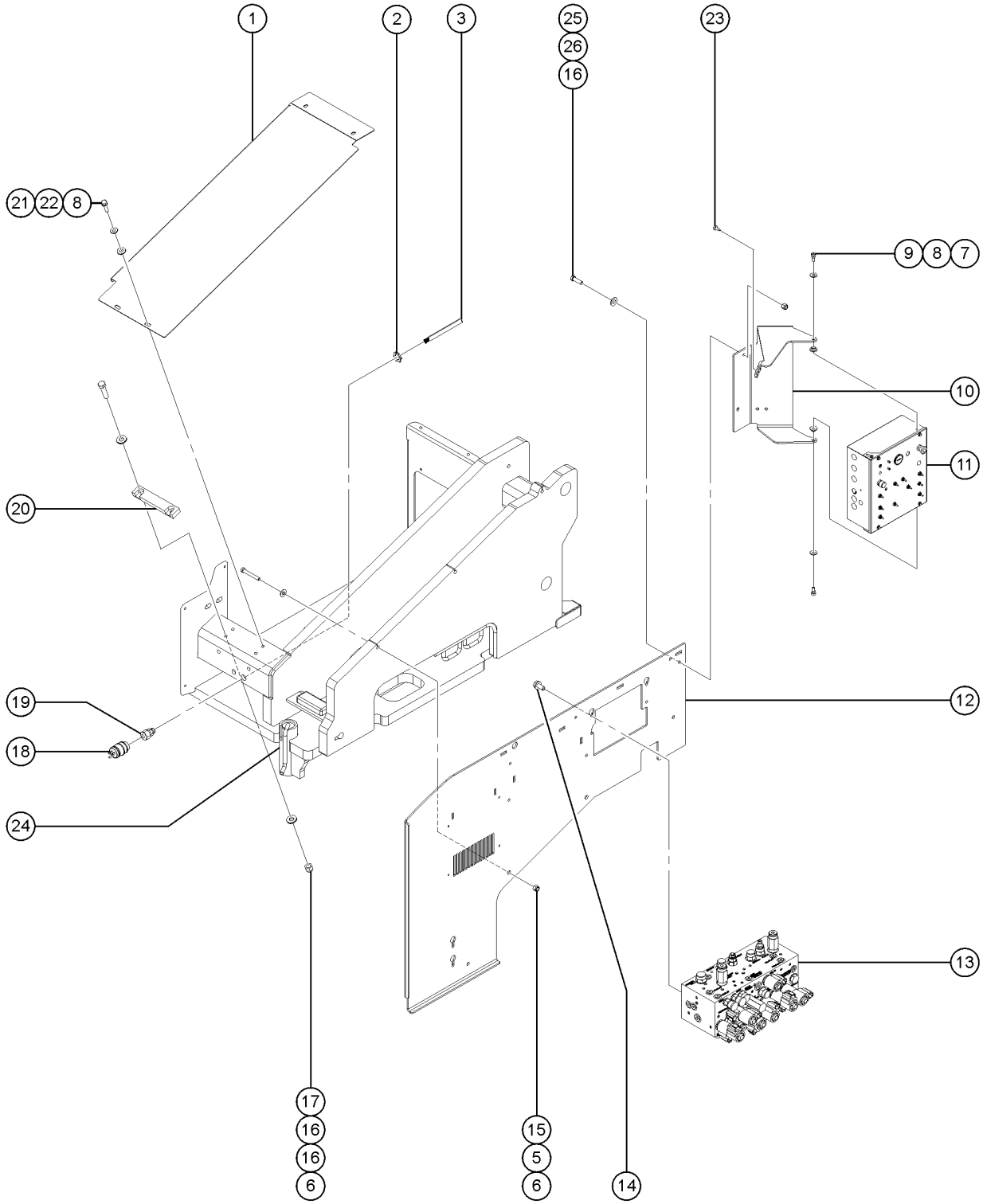
Item	Part No.	Description	Qty.
1	235643GT	COVER,CENTER SWING CHASSIS	1
2	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
3	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	756
4	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
5	6097GT	WASHER, FLAT, USS, 3/8", Y	
6	4828GT	NUT, NYLOCK, 3/8-16	
7	218466GT	SCREW,SHS,1/4-20X.5 ZINC	
8	6638GT	WASHER, FLAT, USS, 1/4"Y	
9	218449GT	WASHER,SHOULDER,NYLON	
10	147011GT	BRACKET,CONTROL BOX MOUNTING	1
11		Ref. Ground Control Box (refer to 305.1, 306.1, 307.1, or 308.1)	1
12	147017GT	BULKHEAD,TANK SIDE	1
13		Ref. Function Manifold (refer to 703.1)	1
14	121763GT	SCREW,HHF,3/8-16X.75	
15	14033GT	SCREW, HHC, 3/8-16 X 2.75	
16	5397GT	WASHER, FLAT, USS, 5/16-18	
17	8516GT	SCREW, HCC, 3/8-16 X 1.50	
18	119403GT	CONN,PLUG 120 AC/15A DOMESTIC	1
18-	65737GT	FUSE,13 AMP,220V PLUG***	
18-	119404GT	CONN,RECEP 120AC/15A DOMESTIC	
18-	144161GT	PLUG,PWR,UK,16AMP,3PIN,BLK (replaced 12153)	
18-	25388GT	PLUG,FUSED,250V,13AMP,U.K.**	
18-	1280665GT	PLUG, TYPE F, 230A, 50HZ, 16A, IP44	
19	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	1
20	50570GT	WEAR PAD,PRIMARY BOOM,NON JIB	1
21	6888GT	SCREW, HHC, 1/4-20 X 1	
22	6356GT	WASHER, LOCK, .25	
23	34619GT	BUMPER,RUBBER***	1

304.1 Function Manifold and Ground Control Box Installation



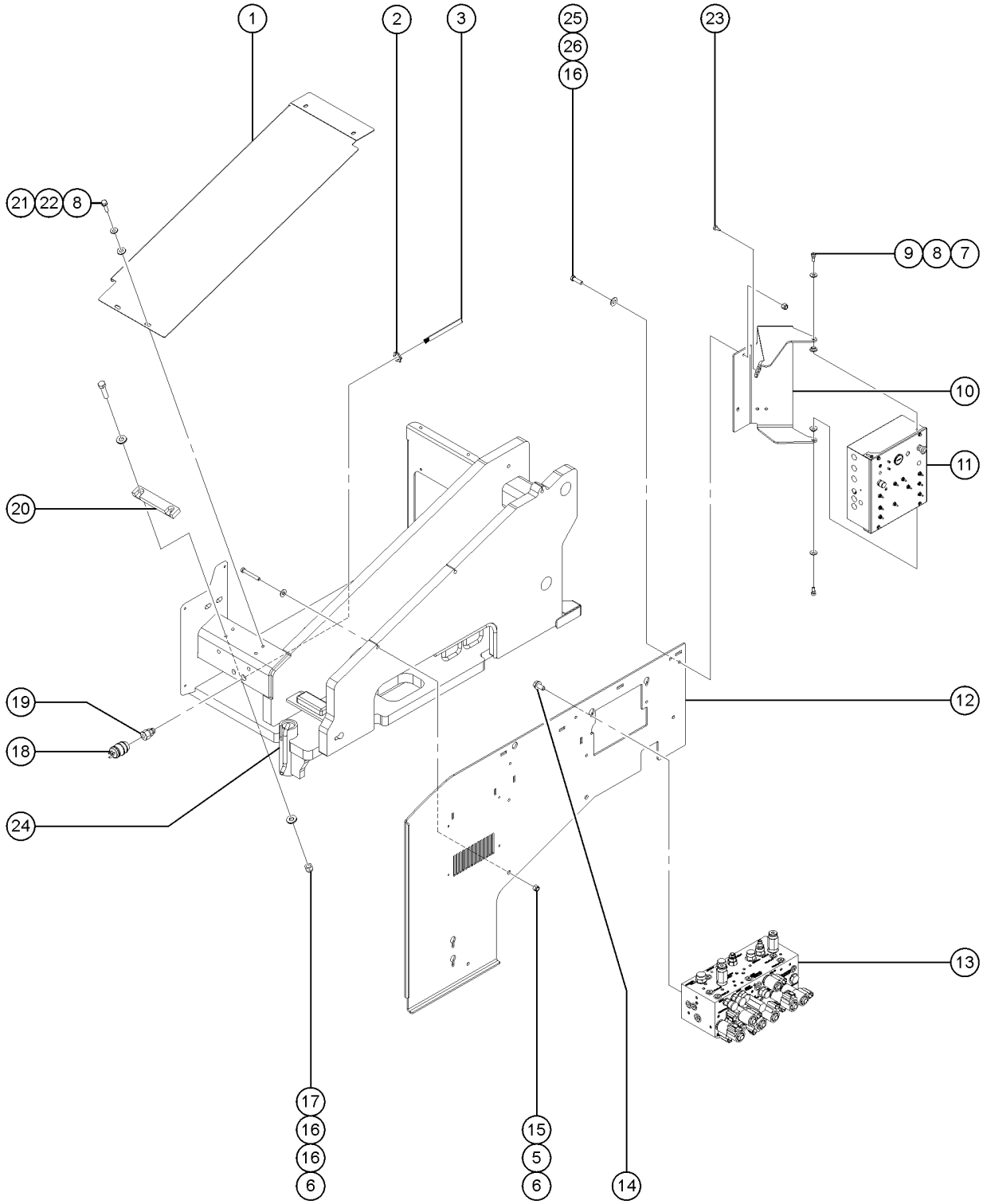
Item	*Part No.*	*Description*	*Qty.*
24	81834GT	WELDMENT,TRANSPORT LOCK	1
25	87684GT	PUSHRETAINER FOR 3/8"THRD SCREW	
26A	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5 check length	
26B	14033GT	SCREW, HHC, 3/8-16 X 2.75 check length	

304.2 Function Manifold and Ground Control Box Installation



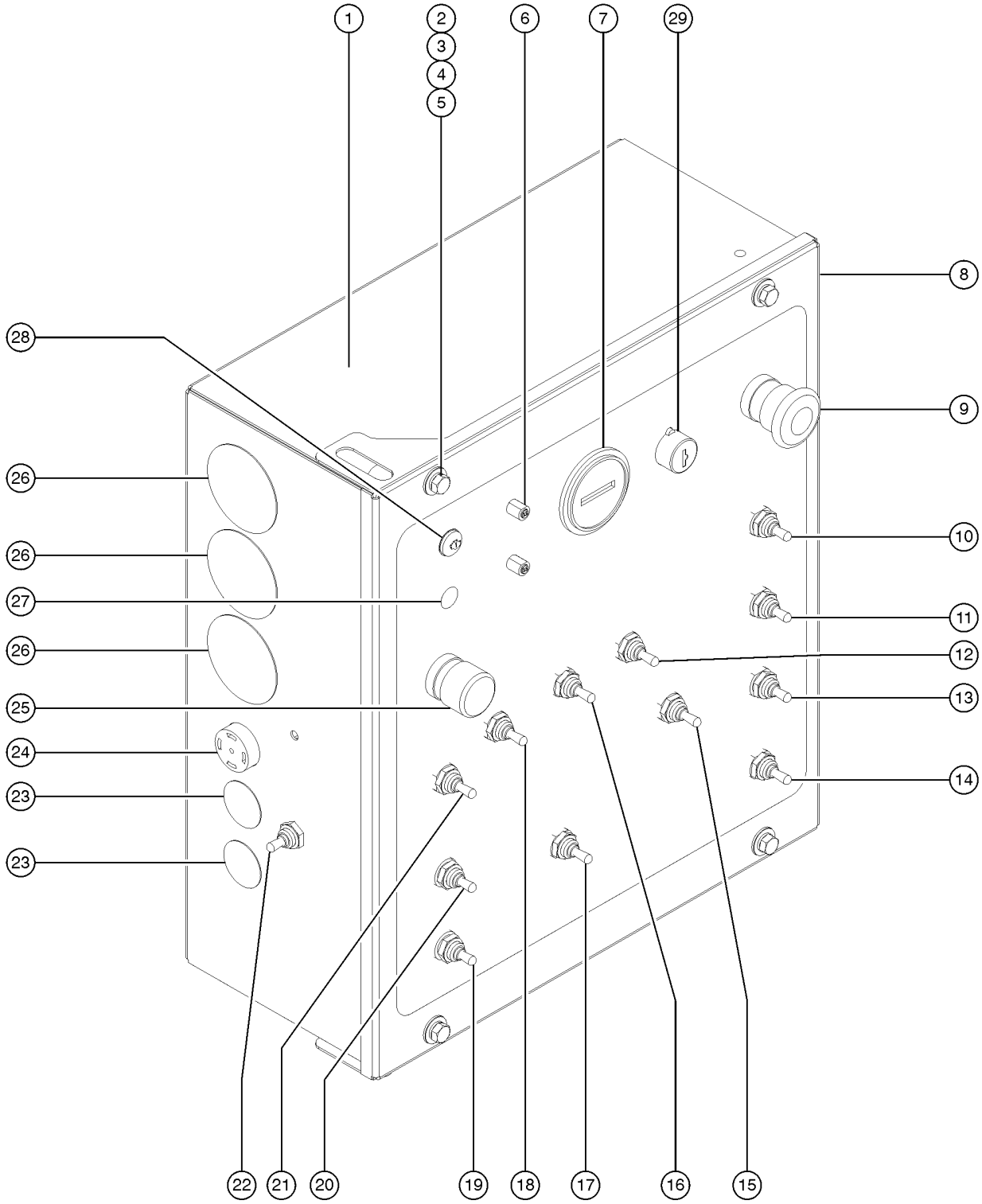
Item	Part No.	Description	Qty.
1	235643GT	COVER,CENTER SWING CHASSIS	1
2	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	1
3	43956GT	WIRE CABLE, 14/GA/3 CON. TPE JKT*	756
4	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
5	6097GT	WASHER, FLAT, USS, 3/8", Y	
6	4828GT	NUT, NYLOCK, 3/8-16	
7	218466GT	SCREW,SHS,1/4-20X.5 ZINC	
8	6638GT	WASHER, FLAT, USS, 1/4"Y	
9	218449GT	WASHER,SHOULDER,NYLON	
10	147011GT	BRACKET,CONTROL BOX MOUNTING	1
11		Ref. Ground Control Box (refer to 305.1, 306.1, 307.1, or 308.1)	1
12	147017GT	BULKHEAD,TANK SIDE	1
13		Ref. Function Manifold (refer to 703.1)	1
14	121763GT	SCREW,HHF,3/8-16X.75	
15	14033GT	SCREW, HHC, 3/8-16 X 2.75	
16	5397GT	WASHER, FLAT, USS, 5/16-18	
17	8516GT	SCREW, HCC, 3/8-16 X 1.50	
18	119403GT	CONN,PLUG 120 AC/15A DOMESTIC	1
18-	65737GT	FUSE,13 AMP,220V PLUG***	
18-	119404GT	CONN,RECEP 120AC/15A DOMESTIC	
18-	144161GT	PLUG,PWR,UK,16AMP,3PIN,BLK (replaced 12153)	
18-	25388GT	PLUG,FUSED,250V,13AMP,U.K.**	
18-	1280665GT	PLUG, TYPE F, 230A, 50HZ, 16A, IP44	
19	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	1
20	50570GT	WEAR PAD,PRIMARY BOOM,NON JIB	1
21	6888GT	SCREW, HHC, 1/4-20 X 1	
22	6356GT	WASHER, LOCK, .25	
23	34619GT	BUMPER,RUBBER***	1

304.2 Function Manifold and Ground Control Box Installation



Item	*Part No.*	*Description*	*Qty.*
24	81834GT	WELDMENT,TRANSPORT LOCK	1

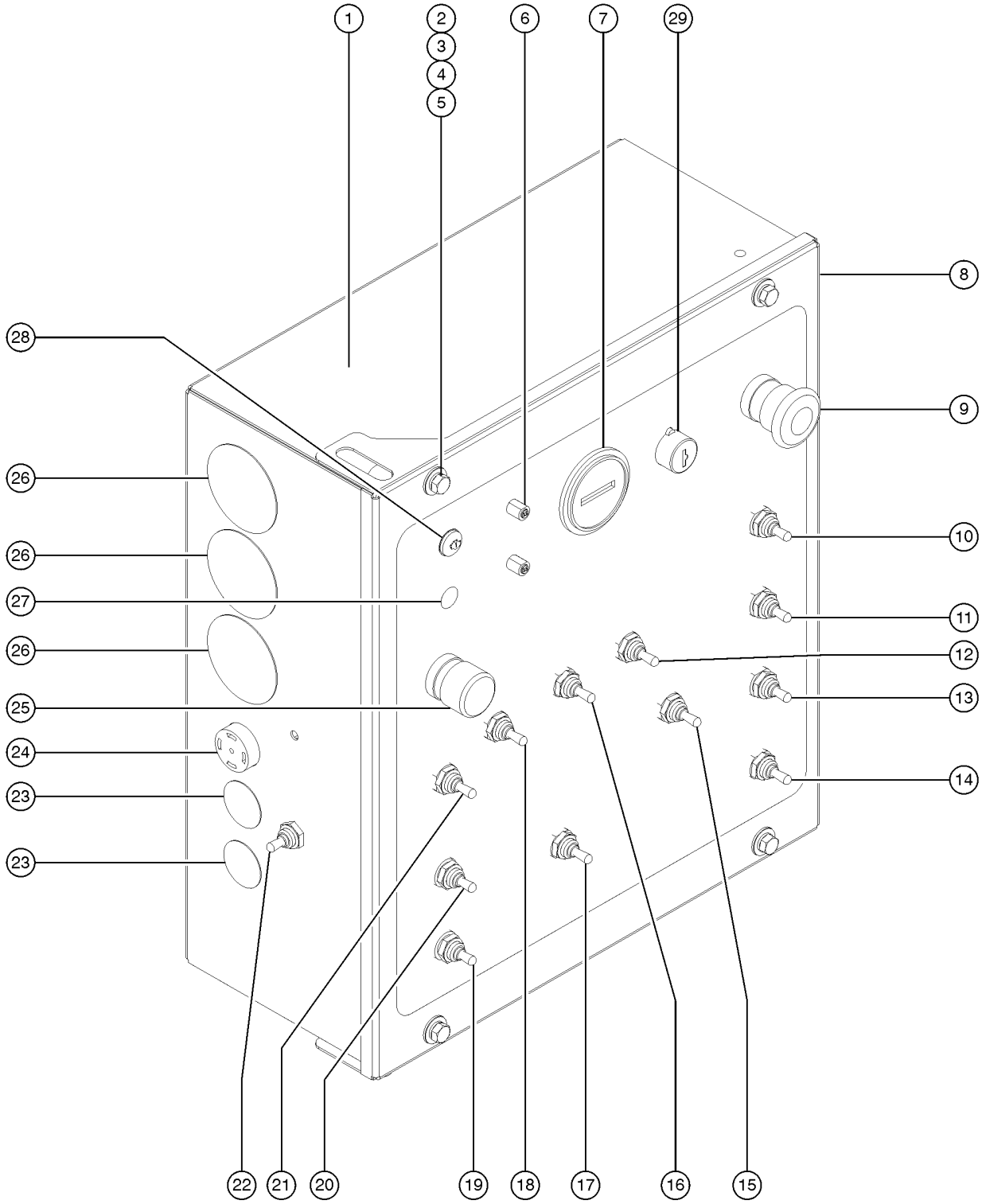
305.1 Ground Control Box, Models with Hour Meter, View 1



305.1 Ground Control Box, Models with Hour Meter, View 1

Item	Part No.	Description	Qty.
A-	218451GT	ASSEMBLY,GBOX,Z45 DIESEL (complete)	1
B-	218452GT	ASSEMBLY,GBOX,Z45 GAS (complete)	
C-	218090GT	WELDMENT,GROUND CONTROL BOX	1
1	218759GT	GROUND CONTROL BOX	1
2	6090GT	SCREW, HHC, 1/4-20 X .75	
3	6356GT	WASHER, LOCK, .25	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
6	147090GT	CIRCUIT BREAKER, 15A	2
7	19506GT	HOUR METER, 10-80 VOLTS***	1
8	139804GT	LID,GROUND CONTROL BOX Decal not included, refer to section one	1
9	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
9-	66818GT	CONTACT,NC	
9-	73805GT	BASE,W/2 NC CONTACTS*** (includes 2 N.C. contacts)	
10A	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Fuel Select (Gas/LPG); includes boot and hardware (for Gas/LPG models only)	1
10A-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
10A-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
10A-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
10B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME (for Diesel models only)	
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine idle (rpm) select switch; includes boot and hardware (refer to item 10 for lower-level components)	1
12	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
13	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Glow plug switch (Diesel); includes boot and hardware (refer to item 10 for lower-level components)	1
14	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Engine start switch; includes boot and hardware (refer to item 10 for lower-level components)	1
15	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Secondary boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
16	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom Ext/Ret; includes boot and hardware (refer to item 10 for lower-level components)	1
17	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Turntable rotate; includes boot and hardware (refer to item 10 for lower-level components)	1

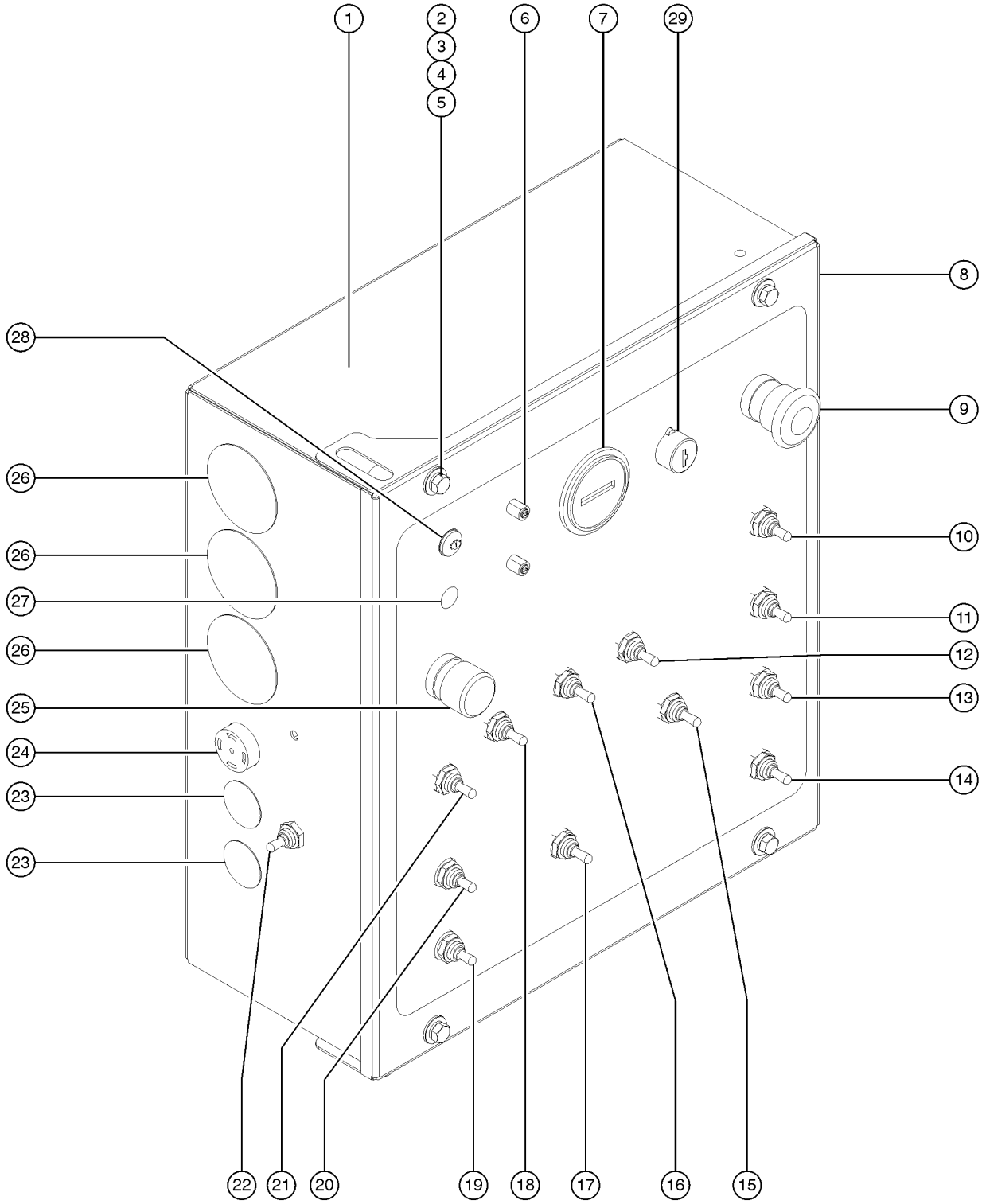
305.1 Ground Control Box, Models with Hour Meter, View 1



305.1 Ground Control Box, Models with Hour Meter, View 1

Item	Part No.	Description	Qty.
18	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Jib boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
19	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM Emergency lowering; includes boot and hardware (refer to item 10 for lower-level components)	1
20	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Platform rotate; includes boot and hardware (refer to item 10 for lower-level components)	1
21	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Platform level; includes boot and hardware (refer to item 10 for lower-level components)	1
22A	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM (for Gas/LPG models only) (refer to item 10 for lower-level components)	1
22B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME (for Diesel models only)	
23	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
24A	39540GT	ALARM, STEADY TONE*** order 72326 mounting ring separately	1
24B	72326GT	NUT - PLASTIC, RING FOR ALARMS for 39540	
25	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
25-	66816GT	CONTACT,N.O.***	
25-	66814GT	BASE,WITH 2 N.O. CONTACTS*** (includes 2 N.C. contacts)	
26	81900GT	PLUG,NYLON 2.093 BLACK DOMED	3
27	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
28A	824879GT	LIGHT,LED IND. RED 12V NH (for Diesel models only), original component no longer available	1
28B	824882GT	LT.LAMP IND. AMBER 12V ENG.NH (for Gas/LPG models only)	1
29A	96008-SGT	KEYSWITCH,3 POS. W/KEYS***	1
29A-	83093GT	KEY SINGLE***	
29A-	94506GT	BASE,W/3 NC CONTACTS	
29B	83131GT	KEYSWITCH,3 POS W/KEYS,LOCKING	1
29B-	83093GT	KEY SINGLE***	
29B-	85239GT	RETAINER NUT (96008)***	

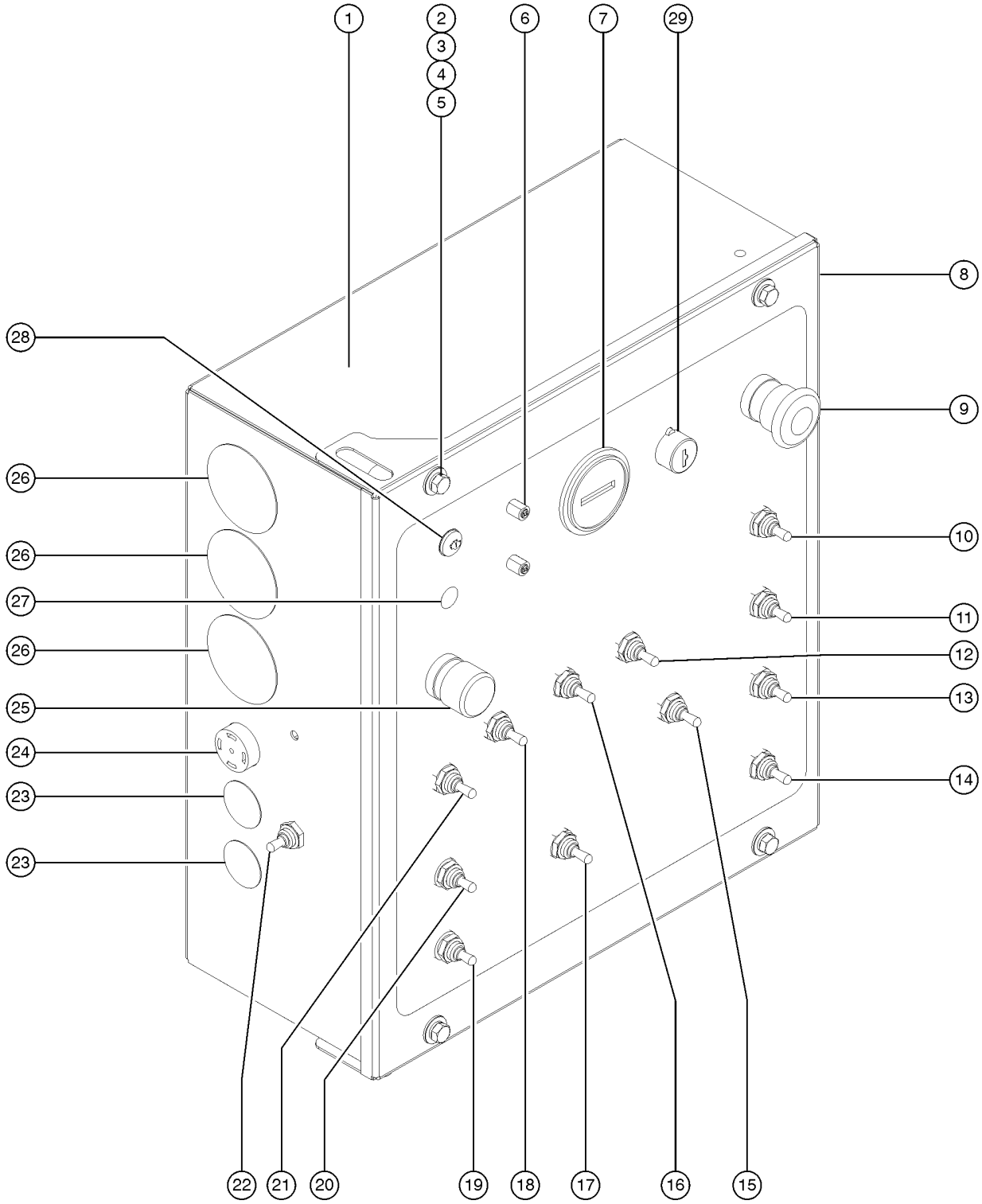
305.2 Ground Control Box, Models with Hour Meter, View 1



305.2 Ground Control Box, Models with Hour Meter, View 1

Item	Part No.	Description	Qty.
A-	218451GT	ASSEMBLY,GBOX,Z45 DIESEL (complete)	1
B-	218452GT	ASSEMBLY,GBOX,Z45 GAS (complete)	
C-	218090GT	WELDMENT,GROUND CONTROL BOX	1
1	218759GT	GROUND CONTROL BOX	1
2	6090GT	SCREW, HHC, 1/4-20 X .75	
3	6356GT	WASHER, LOCK, .25	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
6	147090GT	CIRCUIT BREAKER, 15A	2
7	19506GT	HOUR METER, 10-80 VOLTS***	1
8	139804GT	LID,GROUND CONTROL BOX Decal not included, refer to section one	1
9	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
9-	66818GT	CONTACT,NC	
9-	73805GT	BASE,W/2 NC CONTACTS*** (includes 2 N.C. contacts)	
10B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME (for Diesel models only)	
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine idle (rpm) select switch; includes boot and hardware (refer to item 10 for lower-level components)	1
12	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
13	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Glow plug switch (Diesel); includes boot and hardware (refer to item 10 for lower-level components)	1
14	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Engine start switch; includes boot and hardware (refer to item 10 for lower-level components)	1
15	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Secondary boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
16	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom Ext/Ret; includes boot and hardware (refer to item 10 for lower-level components)	1
17	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Turntable rotate; includes boot and hardware (refer to item 10 for lower-level components)	1
18	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Jib boom up/down; includes boot and hardware (refer to item 10 for lower-level components)	1
19	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM Emergency lowering; includes boot and hardware (refer to item 10 for lower-level components)	1
20	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Platform rotate; includes boot and hardware (refer to item 10 for lower-level components)	1
21	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Platform level; includes boot and hardware (refer to item 10 for lower-level components)	1

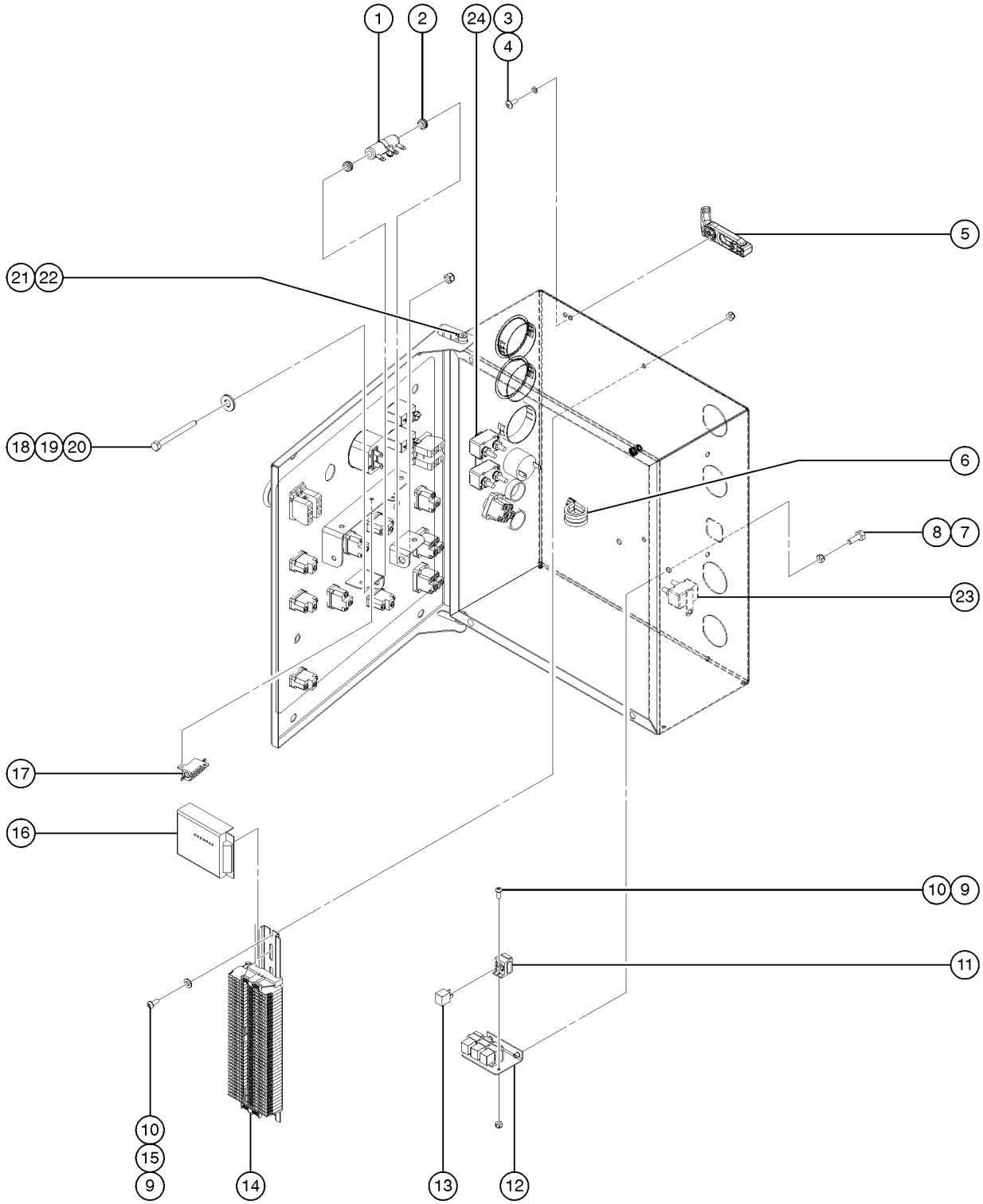
305.2 Ground Control Box, Models with Hour Meter, View 1



305.2 Ground Control Box, Models with Hour Meter, View 1

Item	Part No.	Description	Qty.
22B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME (for Diesel models only)	
23	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
24	39540GT	ALARM, STEADY TONE***	1
25	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
25-	66816GT	CONTACT,N.O.***	
25-	66814GT	BASE,WITH 2 N.O. CONTACTS*** (includes 2 N.C. contacts)	
26	81900GT	PLUG,NYLON 2.093 BLACK DOMED	3
27	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
28A	824879GT	LIGHT,LED IND. RED 12V NH (for Diesel models only), original component no longer available	1
29A	96008-SGT	KEYSWITCH,3 POS. W/KEYS***	1
29A-	83093GT	KEY SINGLE***	
29A-	94506GT	BASE,W/3 NC CONTACTS	
29B	83131GT	KEYSWITCH,3 POS W/KEYS,LOCKING	1
29B-	83093GT	KEY SINGLE***	
29B-	85239GT	RETAINER NUT (96008)***	

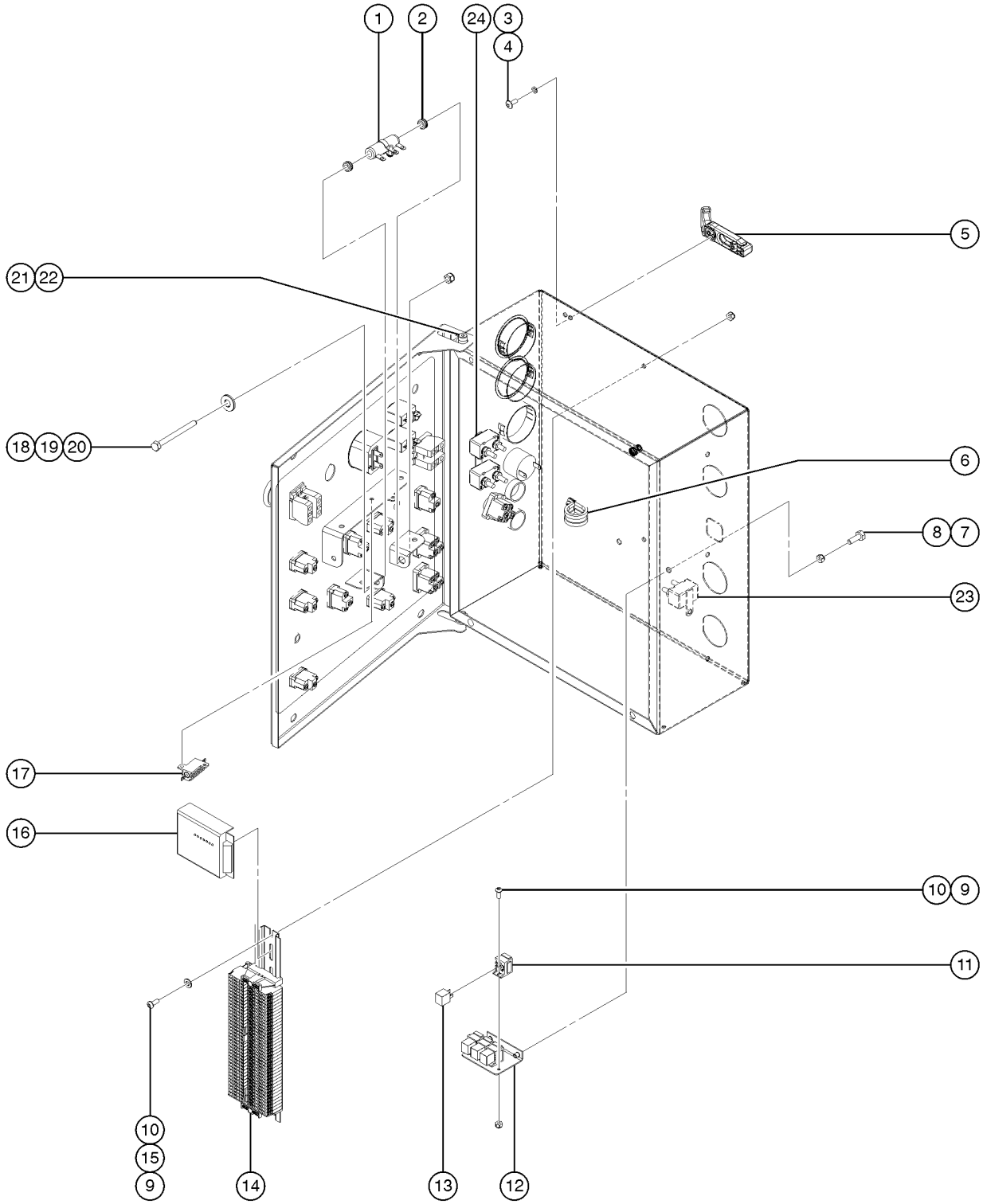
306.1 Ground Control Box, Models with Hour Meter, View 2



306.1 Ground Control Box, Models with Hour Meter, View 2

Item	Part No.	Description	Qty.
1	101010GT	RESISTOR,20 OHMS,25W,ADJ***	1
2	42646GT	GROMMET,RUBBER .25 X .50"OD	2
3	56055GT	SCREW,PHILLIPS TRUSSHEAD	
4	6607GT	WASHER,LOCK,#10 PLTD	
5	56053GT	LATCH,FLEXIBLE DRAW	1
6	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
7	6090GT	SCREW, HHC, 1/4-20 X .75	
8	6356GT	WASHER, LOCK, .25	
9	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
10	6178GT	NUT, NYLOCK, 10-32	
11	34053GT	ASSY,RELAY SOCKET, AUTO	4
11-		RELAY SOCKET,AUTO*** component of 34053	
11-		RELAY SOCKET,AUTO,RETAINER*** component of 34053	
12	54534GT	ANGLE,RELAY MNT,W/NUTSERTS,PNT	1
12-	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
13	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN**	4
13-	34054GT	TERM,RELAY N-INSULATED 10-12 G	
13-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	
13-	34053GT	ASSY,RELAY SOCKET, AUTO	
13-	58319GT	RELAY SOCKET,AUTO,RETAINER*** component of 34053	
14	217812GT	ASSY, TERMINAL RAIL, Z45IC	1
14-	56994GT	DIN RAIL,11.25"	
14-	216791GT	TERMINAL BLOCK,WIELAND	
14-	216793GT	TERMINAL BLOCK END PLATE	
14-	74913GT	END STOP, DIN RAIL,SCREW CLAMP	
14-	74917GT	JUMPER COMB, 2-WAY,WIELAND	
15	6146GT	WASHER,FLAT,MS,#10,Y	
16	56057GT	MODULE,IGNITION/START,12/24V	1

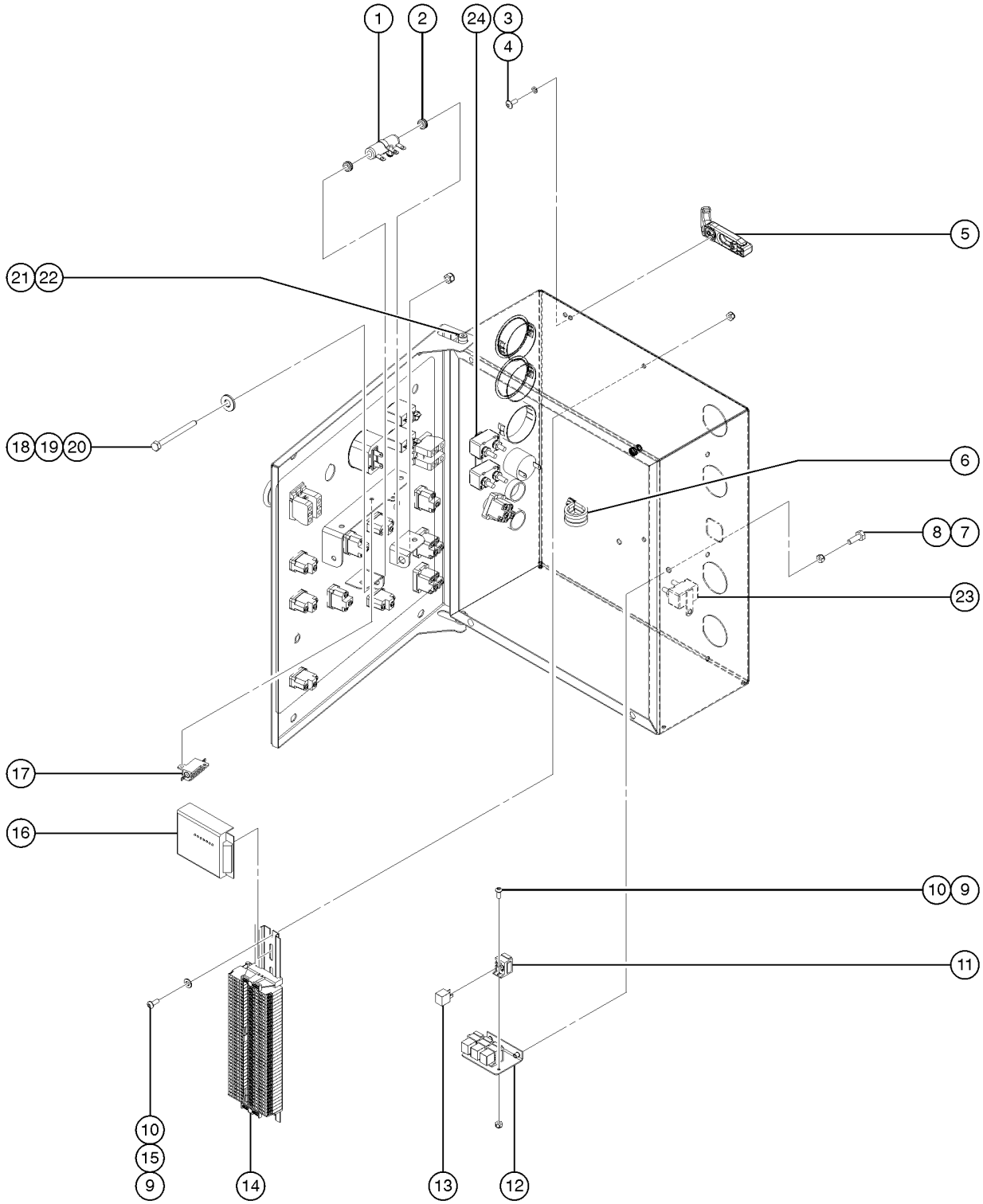
306.1 Ground Control Box, Models with Hour Meter, View 2



306.1 Ground Control Box, Models with Hour Meter, View 2

Item	*Part No.*	*Description*	*Qty.*
17	89575GT	RESISTOR,7.5 OHM,25 WATT,1PCNT	1
17-	6272GT	RIVET,STL,STL,P,.125 X .25	
18	12343GT	SCREW,HHC,1/4-20 X 3	
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	6091GT	NUT,NYLOCK,1/4-20	
21	88315GT	SCREW,SHS,1/4-20 X .25 ZINC SUPERSEDE; USE UNTIL EXHAUSTED	
21A	1263233GT	BOLT,SHS,5/16X.25X1/4-20,8,ZAG REPLACES 88315	
22	218449GT	WASHER,SHOULDER,NYLON	
23	128829GT	CIRCUIT BRKR 15A TYPE 2 METAL self resetting (for oil cooler & light package options)	1
24	128829GT	CIRCUIT BRKR 15A TYPE 2 METAL self resetting (RPM solenoid)	2

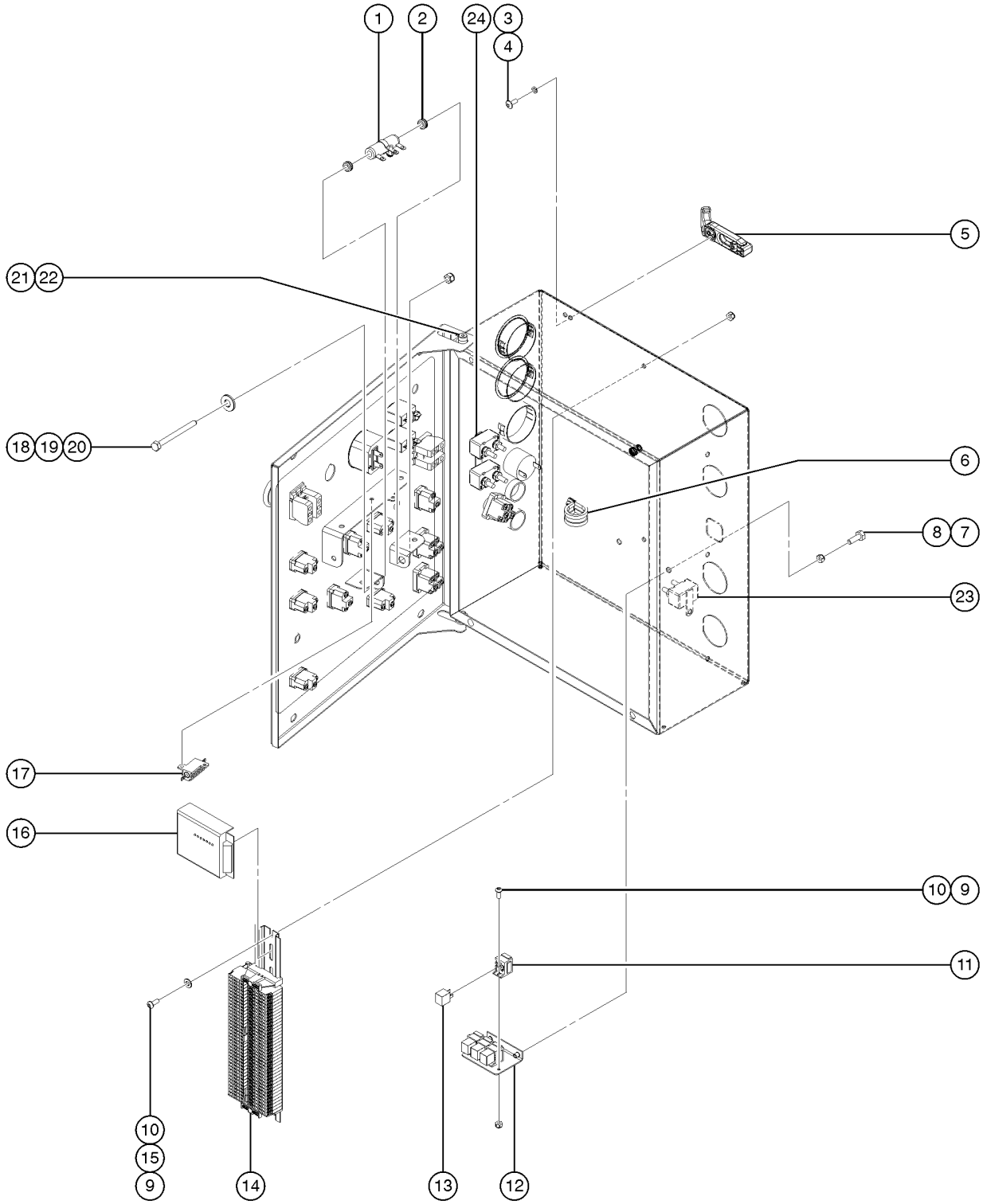
306.2 Ground Control Box, Models with Hour Meter, View 2



306.2 Ground Control Box, Models with Hour Meter, View 2

Item	Part No.	Description	Qty.
1	101010GT	RESISTOR,20 OHMS,25W,ADJ***	1
2	42646GT	GROMMET,RUBBER .25 X .50"OD	2
3	56055GT	SCREW,PHILLIPS TRUSSHEAD	
4	6607GT	WASHER,LOCK,#10 PLTD	
5	56053GT	LATCH,FLEXIBLE DRAW	1
6	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
7	6090GT	SCREW, HHC, 1/4-20 X .75	
8	6356GT	WASHER, LOCK, .25	
9	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
10	6178GT	NUT, NYLOCK, 10-32	
11	34053GT	ASSY,RELAY SOCKET, AUTO	4
11-		RELAY SOCKET,AUTO*** component of 34053	
11-		RELAY SOCKET,AUTO,RETAINER*** component of 34053	
12	54534GT	ANGLE,RELAY MNT,W/NUTSERTS,PNT	1
12-	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
13	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN**	4
13-	34054GT	TERM,RELAY N-INSULATED 10-12 G	
13-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	
13-		RELAY SOCKET,AUTO***	
13-		RELAY SOCKET,AUTO,RETAINER***	
14	217812GT	ASSY, TERMINAL RAIL, Z45IC	1
14-	56994GT	DIN RAIL,11.25"	
14-	216791GT	TERMINAL BLOCK,WIELAND	
14-	216793GT	TERMINAL BLOCK END PLATE	
14-	74913GT	END STOP, DIN RAIL,SCREW CLAMP	
14-	74917GT	JUMPER COMB, 2-WAY,WIELAND	
15	6146GT	WASHER,FLAT,MS,#10,Y	
16	56057GT	MODULE,IGNITION/START,12/24V	1

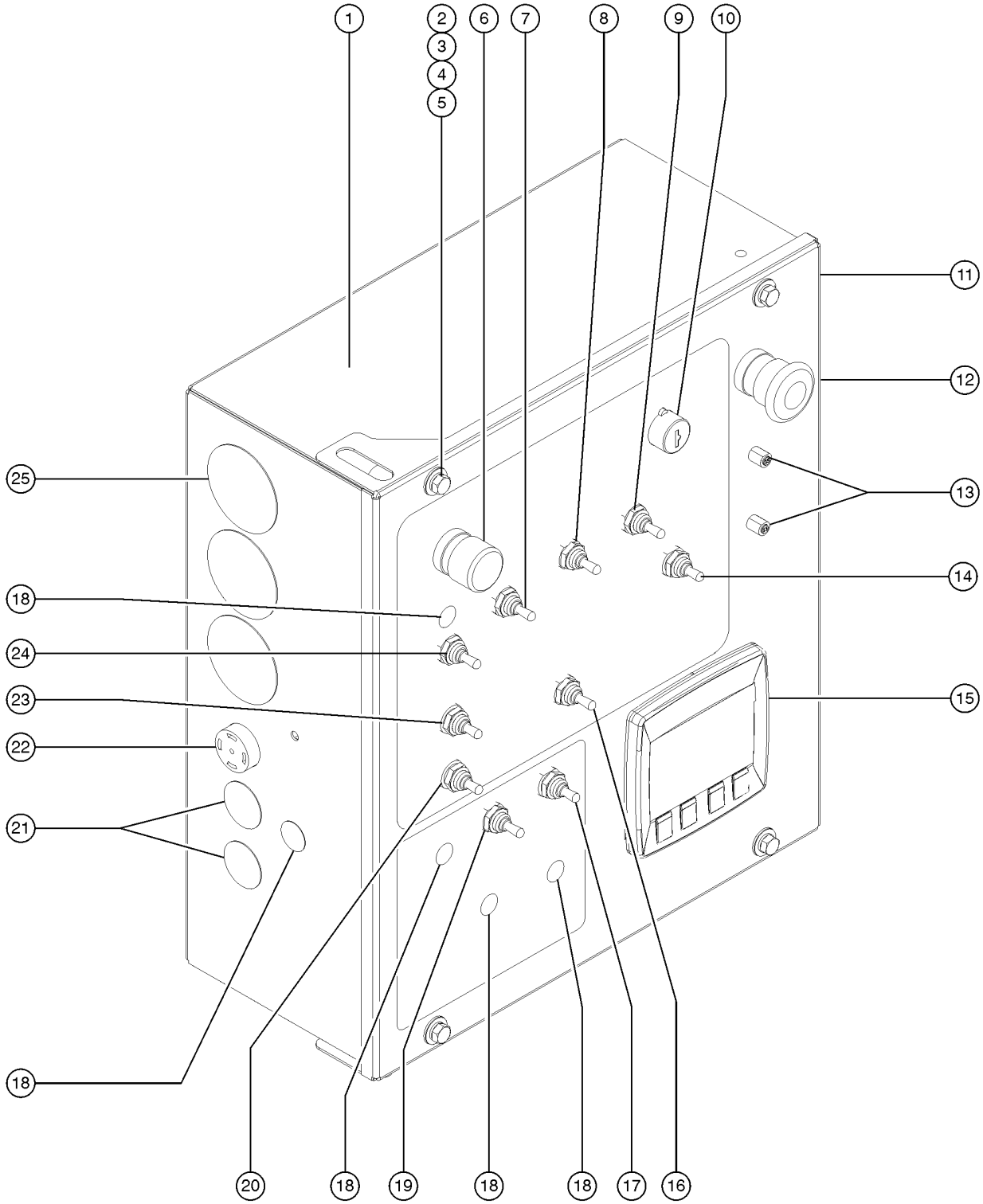
306.2 Ground Control Box, Models with Hour Meter, View 2



306.2 Ground Control Box, Models with Hour Meter, View 2

Item	*Part No.*	*Description*	*Qty.*
17	89575GT	RESISTOR,7.5 OHM,25 WATT,1PCNT	1
17-	6272GT	RIVET,STL,STL,P,.125 X .25	
18	12343GT	SCREW,HHC,1/4-20 X 3	
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	6091GT	NUT,NYLOCK,1/4-20	
21	88315GT	SCREW,SHS,1/4-20 X .25 ZINC SUPERSEDE; USE UNTIL EXHAUSTED	
21A	1263233GT	BOLT,SHS,5/16X.25X1/4-20,8,ZAG REPLACES 88315	
22	218449GT	WASHER,SHOULDER,NYLON	

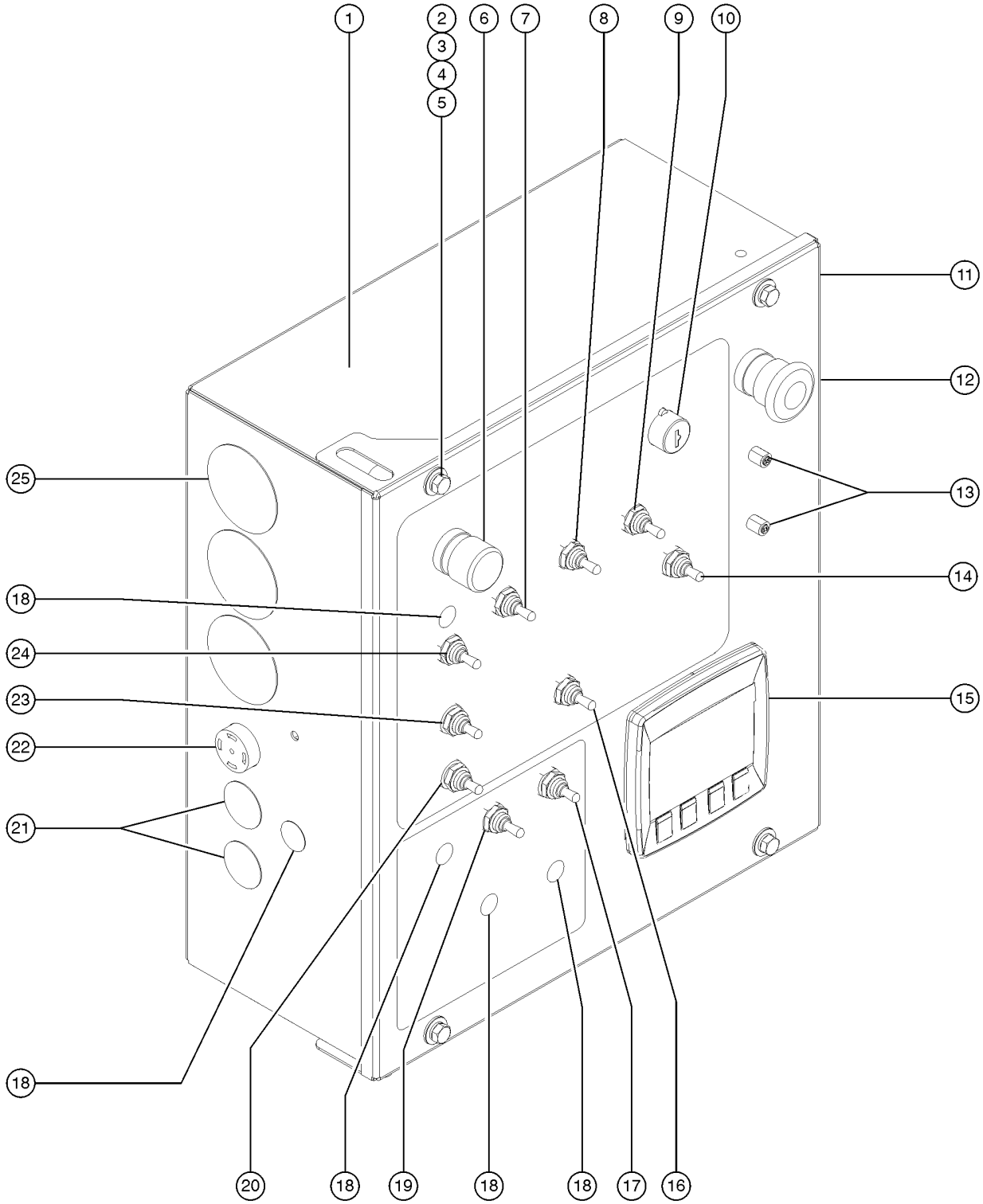
307.1 Ground Control Box, Models with LCD Readout Screen, View 1



307.1 Ground Control Box, Models with LCD Readout Screen, View 1

Item	Part No.	Description	Qty.
A	825522GT	ASSY, GBOX, Z-45 DEUTZ, T4 complete	1
B	825523GT	ASSY, GBOX, Z-45 PERKINS, T4 complete	1
1	218759GT	GROUND CONTROL BOX	1
2	6090GT	SCREW, HHC, 1/4-20 X .75	
3	6356GT	WASHER, LOCK, .25	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
6A	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
6B	T107725GT	BASE, W/2 NO CONTACTS	1
7	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Jib boom up/down; includes boot and hardware (refer to item 7 for lower-level components)	1
7-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
7-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
7-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
8	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom Ext/Ret; includes boot and hardware (refer to item 7 for lower-level components)	1
9	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary boom up/down; includes boot and hardware (refer to item 7 for lower-level components)	1
10A	96008-SGT	KEYSWITCH,3 POS. W/KEYS***	1
10A-	83093GT	KEY SINGLE***	
10A-	94506GT	BASE,W/3 NC CONTACTS	
10B	83131GT	KEYSWITCH,3 POS W/KEYS,LOCKING	1
10B-	83093GT	KEY SINGLE***	
10B-	85239GT	RETAINER NUT (96008)***	
11	160511GT	WDMT - LID, GROUND BOX	1
12A	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
12B	73805GT	BASE,W/2 NC CONTACTS*** includes 2 N.C. contacts	
12B-	66818GT	CONTACT,NC	2
13	147090GT	CIRCUIT BREAKER, 15A	2
14	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Secondary boom up/down; includes boot and hardware (refer to item 7 for lower-level components)	1

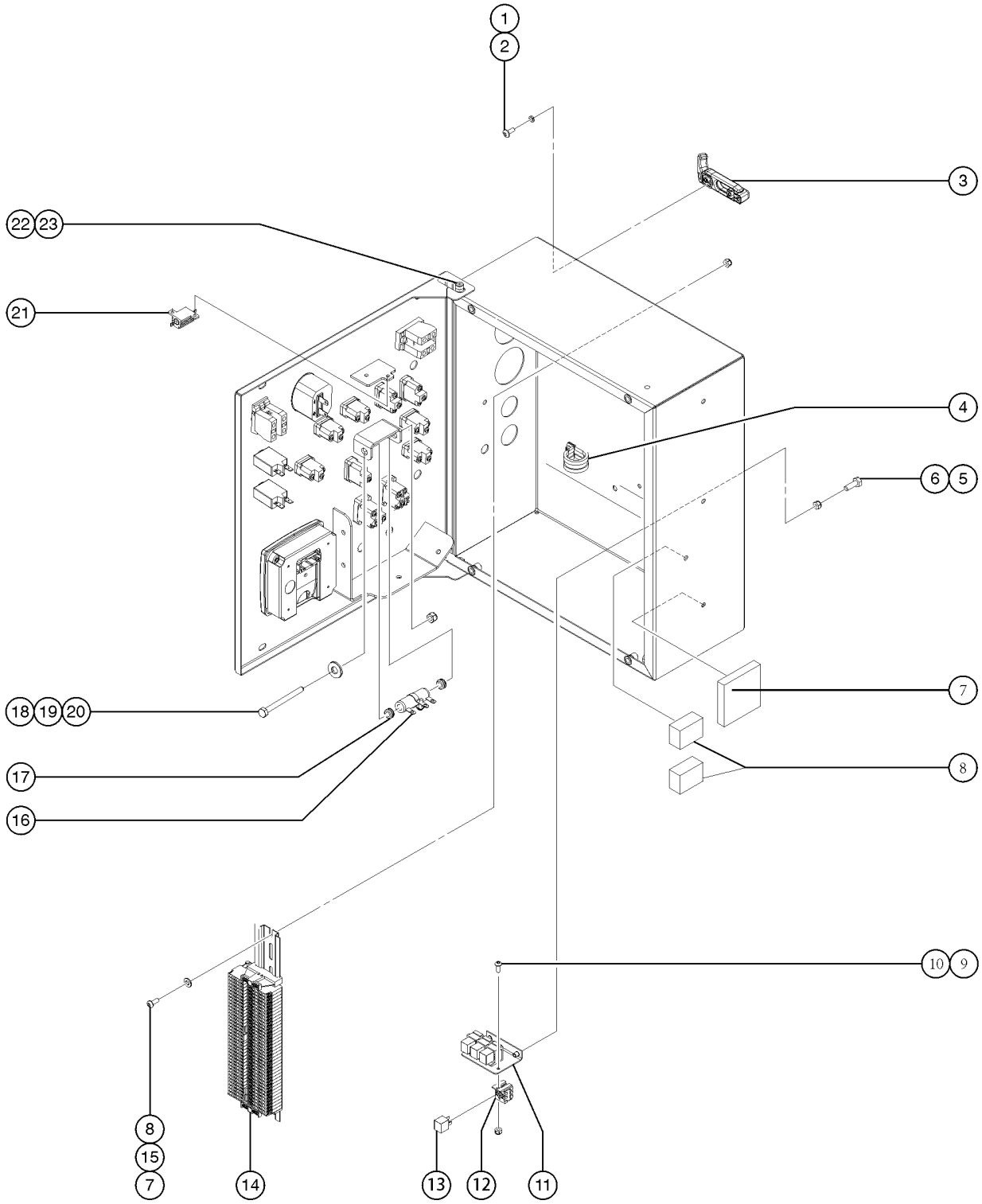
307.1 Ground Control Box, Models with LCD Readout Screen, View 1



307.1 Ground Control Box, Models with LCD Readout Screen, View 1

Item	Part No.	Description	Qty.
15A	1251984GT	ASSY,DISPLAY,DP200 DEUTZ T4 models with Deutz D2.9L4 engine	1
15A-	219718GT	BRACKET,DP200 PANEL MOUNT	1
15A-	1252684GT	SCREW,DP200 M3X10 4PACK	1
15A-	1252685GT	GASKET,DP200 BLACK PANEL SEAL	1
15B	1251985GT	ASSY,DISPLAY,DP200 PERKINS T4 models with Perkings 404F engine	1
15B-	219718GT	BRACKET,DP200 PANEL MOUNT	1
15B-	1252684GT	SCREW,DP200 M3X10 4PACK	1
15B-	1252685GT	GASKET,DP200 BLACK PANEL SEAL	1
16	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Turntable rotate; includes boot and hardware (refer to item 7 for lower-level components)	1
17	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Engine start switch; includes boot and hardware (refer to item 7 for lower-level components)	1
18	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	1
19	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine idle (rpm) select switch; includes boot and hardware (refer to item 7 for lower-level components)	1
20	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM Emergency lowering; includes boot and hardware (refer to item 10 for lower-level components)	1
21	45385GT	PLUG,NYLON 1.12 BLACK DOMED	2
22	18963GT	ALARM, INTERMITTENT TONE 6-30V* replaced 39540	1
23	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Platform rotate; includes boot and hardware (refer to item 7 for lower-level components)	1
24	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Platform level; includes boot and hardware (refer to item 7 for lower-level components)	1
25	81900GT	PLUG,NYLON 2.093 BLACK DOMED	3

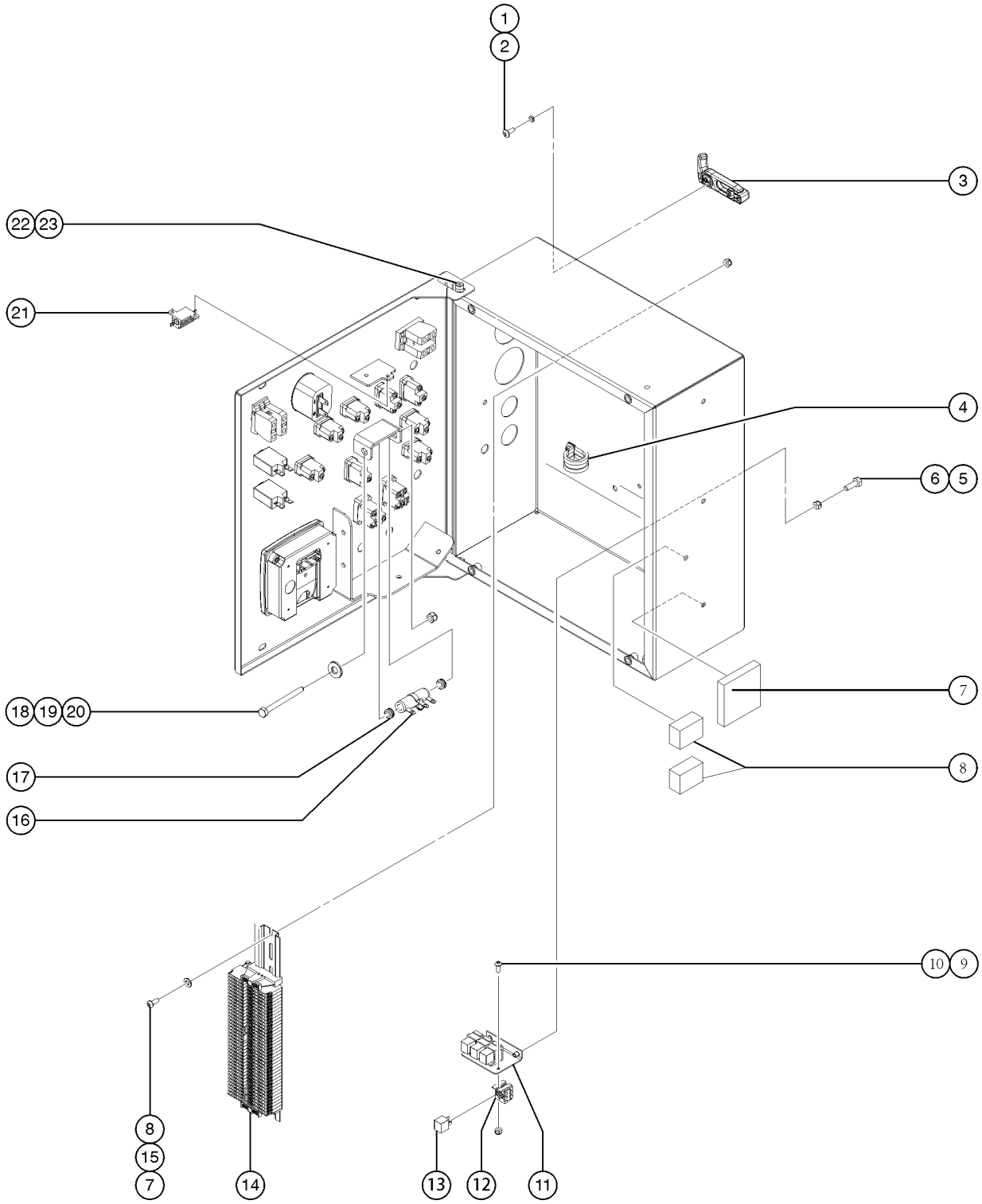
308.1 Ground Control Box, Models with LCD Readout Screen, View 2



308.1 Ground Control Box, Models with LCD Readout Screen, View 2

Item	Part No.	Description	Qty.
A	218090GT	WELDMENT,GROUND CONTROL BOX	
1	56055GT	SCREW,PHILLIPS TRUSSHEAD	
2	6607GT	WASHER,LOCK,#10 PLTD	
3	56053GT	LATCH,FLEXIBLE DRAW	1
4	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
5	6090GT	SCREW, HHC, 1/4-20 X .75	
6	6356GT	WASHER, LOCK, .25	
7	121846GT	RELAY, TIME DELAY, 2 SEC, 10A (Option) mounting hardware not included	2
7-	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25 not shown	
7-	6178GT	NUT, NYLOCK, 10-32 not shown	
8	128829GT	CIRCUIT BRKR 15A TYPE 2 METAL mounting hardware not included	
8-	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL not shown	
8-	6178GT	NUT, NYLOCK, 10-32 not shown	
9	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
10	6178GT	NUT, NYLOCK, 10-32	
11	54534GT	ANGLE,RELAY MNT,W/NUTSERTS,PNT	1
11-	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	
12	34053GT	ASSY,RELAY SOCKET, AUTO	4
12-		RELAY SOCKET,AUTO*** component of 34053	
12-		RELAY SOCKET,AUTO,RETAINER*** component of 34053	
13	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN** quantity may vary	4
13-	34054GT	TERM,RELAY N-INSULATED 10-12 G	
13-	34055GT	TERM RELAY,N-INSULATE 14-16 GA	
13-	34053GT	ASSY,RELAY SOCKET, AUTO	
13-	58319GT	RELAY SOCKET,AUTO,RETAINER*** component of 34053	
14	822708GT	ASSY, TERMINAL RAIL, TIER IV	1
14-	216791GT	TERMINAL BLOCK,WIELAND	
14-	216793GT	TERMINAL BLOCK END PLATE	

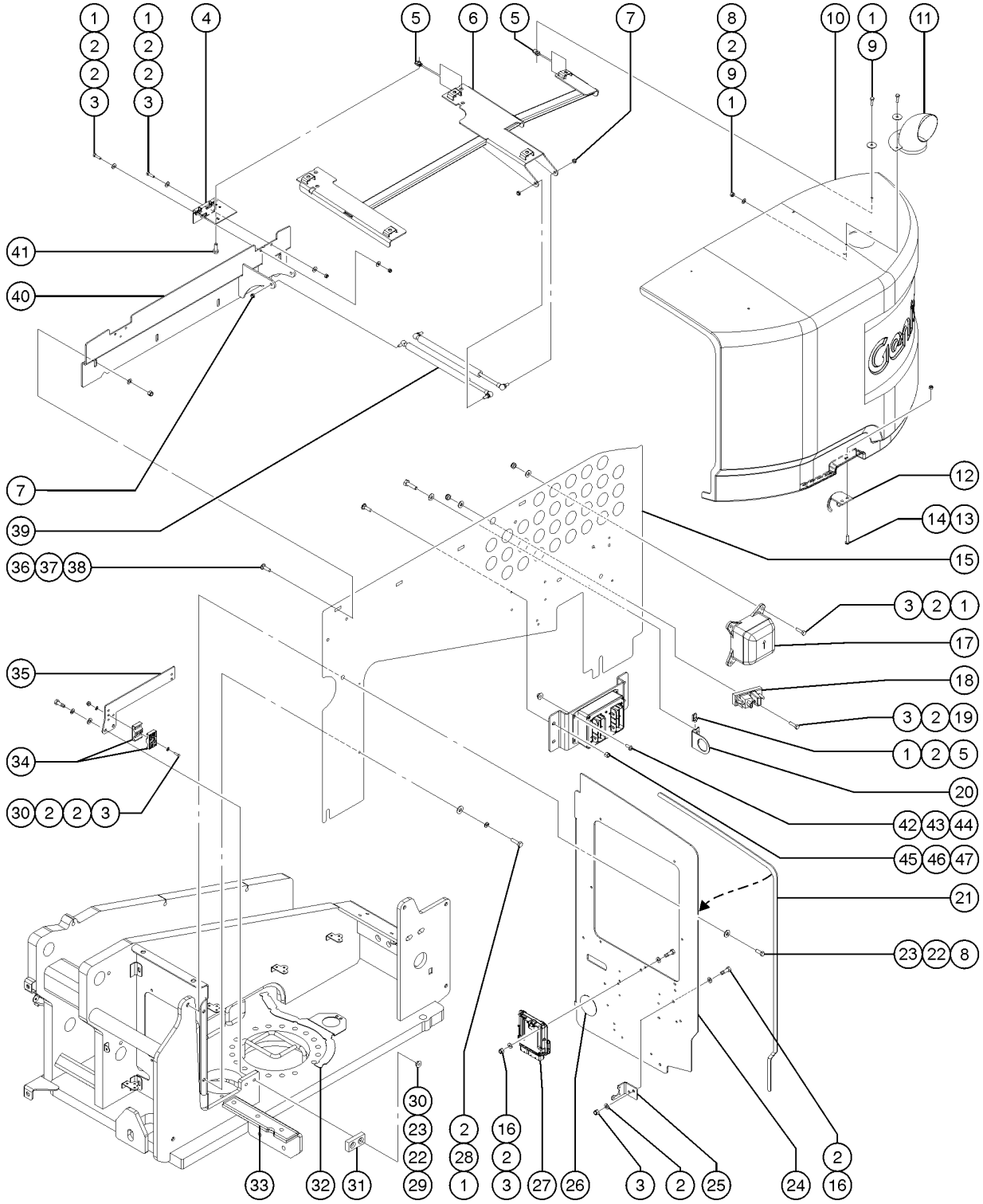
308.1 Ground Control Box, Models with LCD Readout Screen, View 2



308.1 Ground Control Box, Models with LCD Readout Screen, View 2

Item	Part No.	Description	Qty.
14-	56994GT	DIN RAIL,11.25"	
14-	74913GT	END STOP, DIN RAIL,SCREW CLAMP	
14-	74917GT	JUMPER COMB, 2-WAY,WIELAND	
15	6146GT	WASHER,FLAT,MS,#10,Y	
16	101010GT	RESISTOR,20 OHMS,25W,ADJ***	1
17	42646GT	GROMMET,RUBBER .25 X .50"OD	2
18	12343GT	SCREW,HHC,1/4-20 X 3	
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	6091GT	NUT,NYLOCK,1/4-20	
21	89575GT	RESISTOR,7.5 OHM,25 WATT,1PCNT	1
21-	6272GT	RIVET,STL,STL,P,.125 X .25	
22	88315GT	SCREW,SHS,1/4-20 X .25 ZINC SUPERSEDE; USE UNTIL EXHAUSTED	
22A	1263233GT	BOLT,SHS,5/16X.25X1/4-20,8,ZAG REPLACES 88315	
23	218449GT	WASHER,SHOULDER,NYLON	

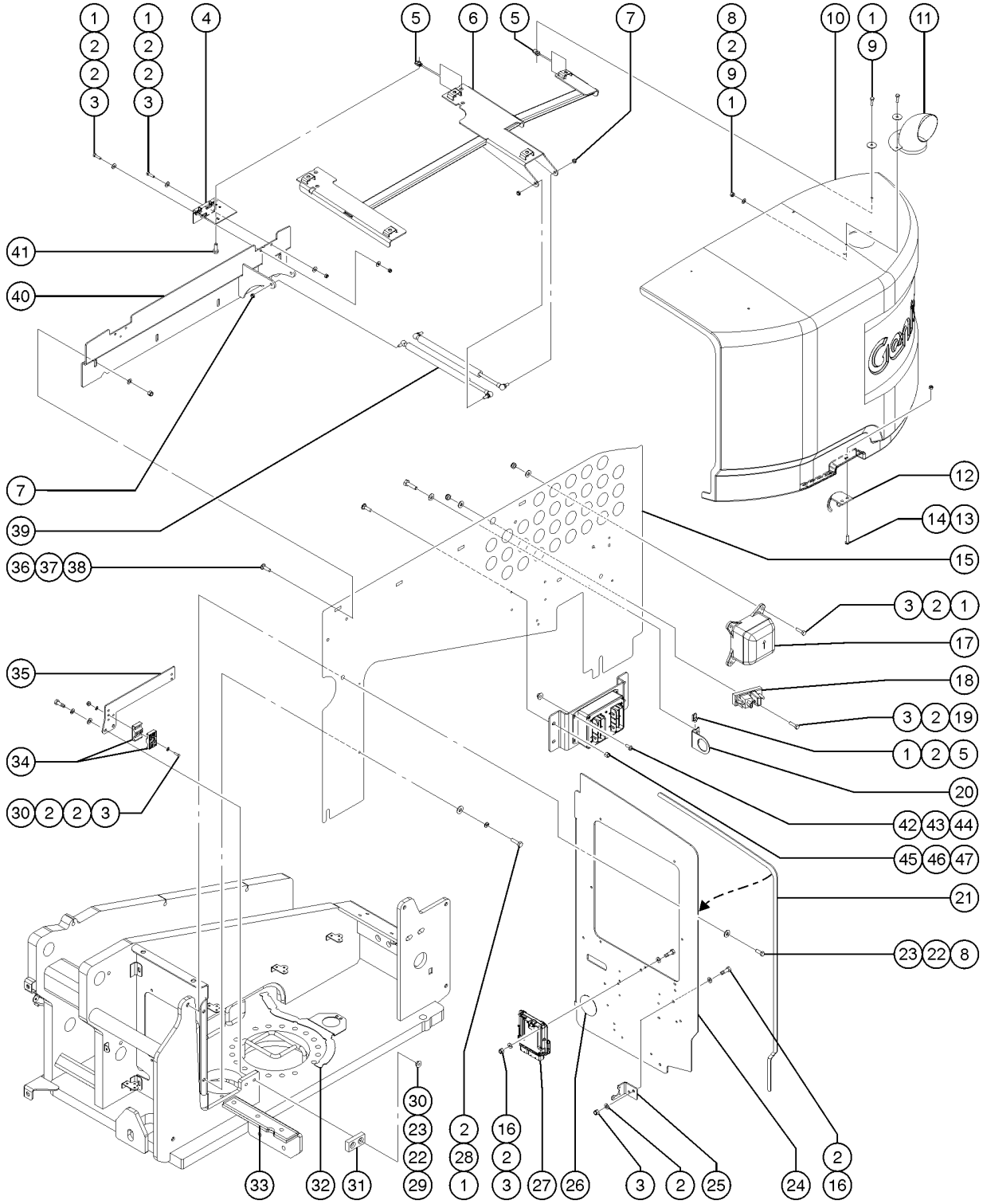
309.1 Turntable Cover, Engine Side



309.1 Turntable Cover, Engine Side

Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	6091GT	NUT,NYLOCK,1/4-20	
4	75073GT	HINGE,.375X.120THK.,SLOTTED	2
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	5
6	231601GT	WELD, COVER SUPPORT LH	1
7	6002GT	NUT, LP NYLOCK, 5/16-18	4
8	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
9	12906GT	WASHER,FENDER,.25 X 1.25 X.062	5
10	139955GT	COVER,ENGINE SIDE	1
11	101964GT	WELDMENT,EXHAUST TUBE	1
12	75076GT	KEEPER,LATCH (45363)	1
13	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	
14	6178GT	NUT, NYLOCK, 10-32	
15	147018GT	BULKHEAD,ENGINE SIDE	1
16	8915GT	SCREW, HHC, 1/4-20 X 1.25	
17	822781GT	MODULE,FUSE&RELAY,DEUTZ 2.9 models with Deutz 2.9L4 engine	1
17-	1251499GT	FUSE, ATM, 15AMP	
17-	1251500GT	FUSE, ATM, 20AMP	
17-	1251501GT	FUSE, ATM, 30AMP	
17-	1251502GT	FUSE, ATM, 10AMP	
17-	1251503GT	RELAY, 12V MICRO, 35AMP	
17-	1251504GT	DIODE, 6A 22903-6V	
17-	1251505GT	TOOL, FUSE PULLER, ATM	
17-	1251510GT	CIRCUIT BREAKER,20AMP MINI	
17B	822793GT	MODULE,FUSE&RELAY,PERKINS 404F models with Perkins 404F-22 engine	1
17B-	1251499GT	FUSE, ATM, 15AMP	
17B-	1251500GT	FUSE, ATM, 20AMP	

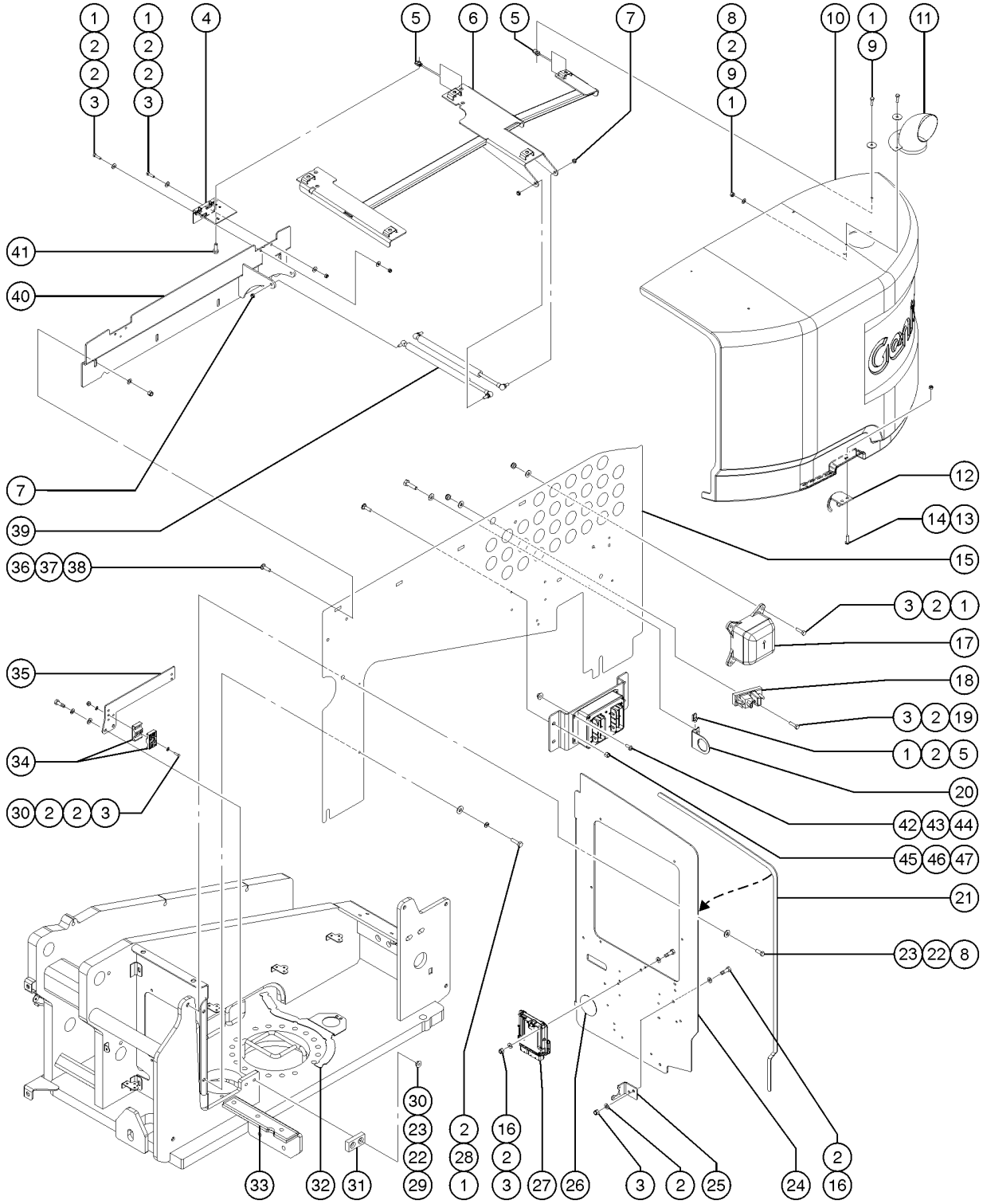
309.1 Turntable Cover, Engine Side



309.1 Turntable Cover, Engine Side

Item	Part No.	Description	Qty.
17B-	1251502GT	FUSE, ATM, 10AMP	
17B-	1251503GT	RELAY, 12V MICRO, 35AMP	
17B-	1251504GT	DIODE, 6A 22903-6V	
17B-	1251505GT	TOOL, FUSE PULLER, ATM	
17B-	1251506GT	FUSE, ATM, 5AMP	
17B-	1251507GT	FUSE, ATM, 7.5AMP	
18	824023GT	RELAY,POWER&FUSE MODULE	1
18-	1251508GT	FUSE, FMX, 60AMP	
18-	1251509GT	COVER,PRM FUSE SERVICE PART	
19	4266GT	SCREW,HHC,1/4-20 X 2	
20	216344GT	BRACKET,SWING ENGINE CONNECTOR	1
21	119218GT	TRIM,EDGE,1/8X3/4 SIDE BULB sold by the inches	
22	6021GT	WASHER, LOCK, .375	
23	5397GT	WASHER, FLAT, USS, 5/16-18	
24	231563GT	BULKHEAD, COOLING AIR	1
25	823817GT	FORMING,DIAGNOSTIC PORT,Z45	1
26	123572GT	HOLE PLUG, 3 IN	1
27		Ref. ECU models with Deutz D2.9 or Perkins 404F-22 engines (This part is serialized, contact Genie Parts Sales with full model and SN of both the unit and engine)	
28	6356GT	WASHER, LOCK, .25	
29	48425GT	NUT,FLG-LRG,3/8-16,YZ	
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	
31	81640GT	WEAR PAD,3 X 1.5 X.625 W/NUTS	1
32	217430GT	FORMING, AUXILARY CABLE MT	1
33	50519GT	LOAD PAD,ENGINE TRAY SUPPORT	1
34	78736GT	CLAMP,2 HOSE,PLASTIC	4
35	217518GT	BRACKET,BATTERY CABLE	1
36	105092GT	BOLT,CARRIAGE,3/8-16X1.25,GR5	
37	87684GT	PUSHRETAINER FOR 3/8"THRD SCREW	4

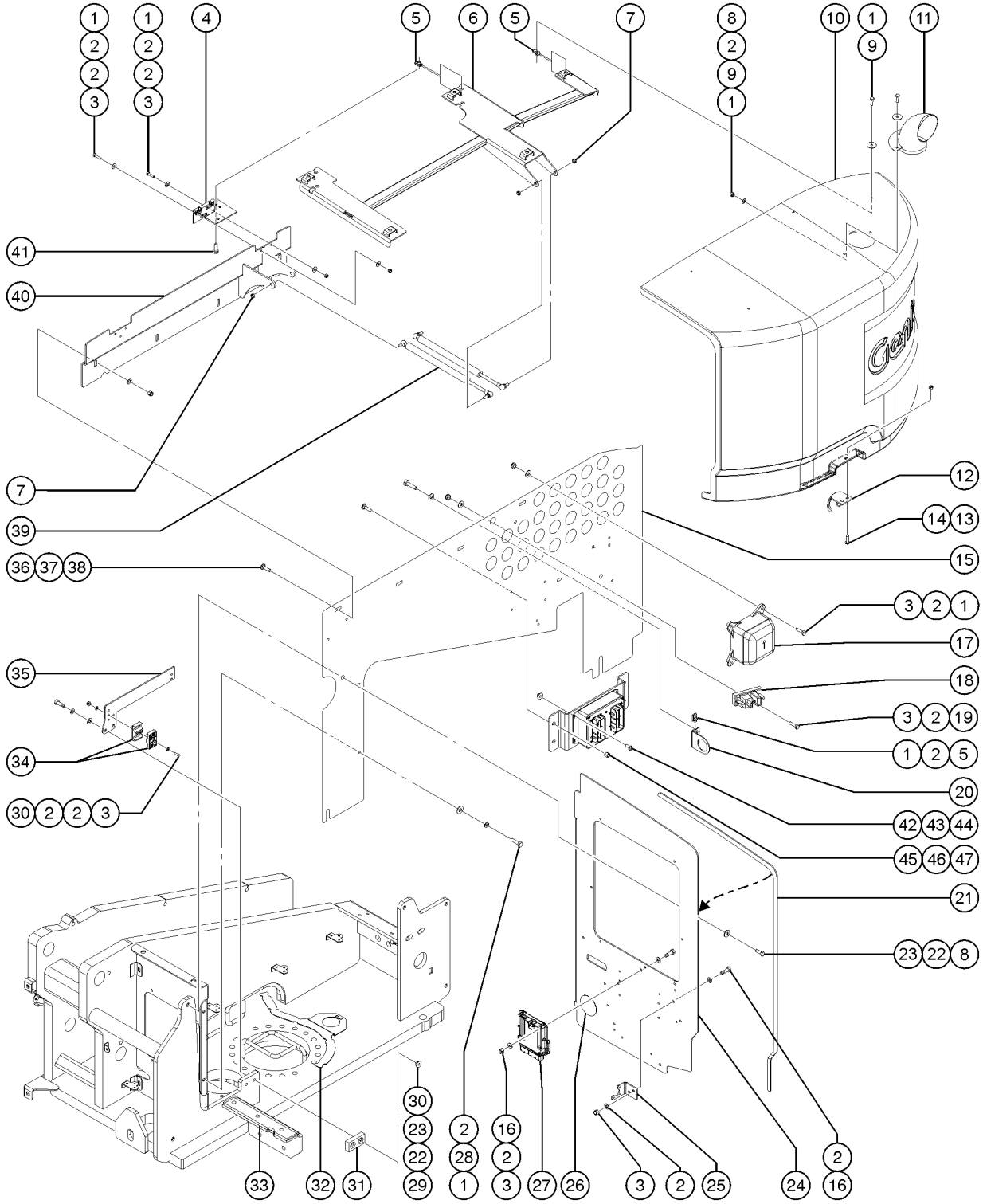
309.1 Turntable Cover, Engine Side



309.1 Turntable Cover, Engine Side

Item	Part No.	Description	Qty.
38	4828GT	NUT, NYLOCK, 3/8-16	
39	106069GT	STRUT,GAS,200 LB***	2
39-	33555GT	BALL STUD**	
40	219080GT	WLDMT, BULKHEAD HINGE MNT, ES	1
41	6090GT	SCREW, HHC, 1/4-20 X .75	
42	824019GT	NUT, TL, 6-32, A, ZAG	4
43	1271124GT	CONNECT BOX, PERK T4 EXT HARN replaced by 1329691GT	1
43B	1329691GT	CONNECT BOX, PERK T4 EXT HARNESS	1
44	824214GT	SCREW,PHPM,6-32X.50,ZAG	4
45	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	4
46	1271458GT	MOUNT,JUMP HARN,Z45 PERK T4	1
47	824027GT	NUT, TL FLG, 1/4-20, G, ZAG	4

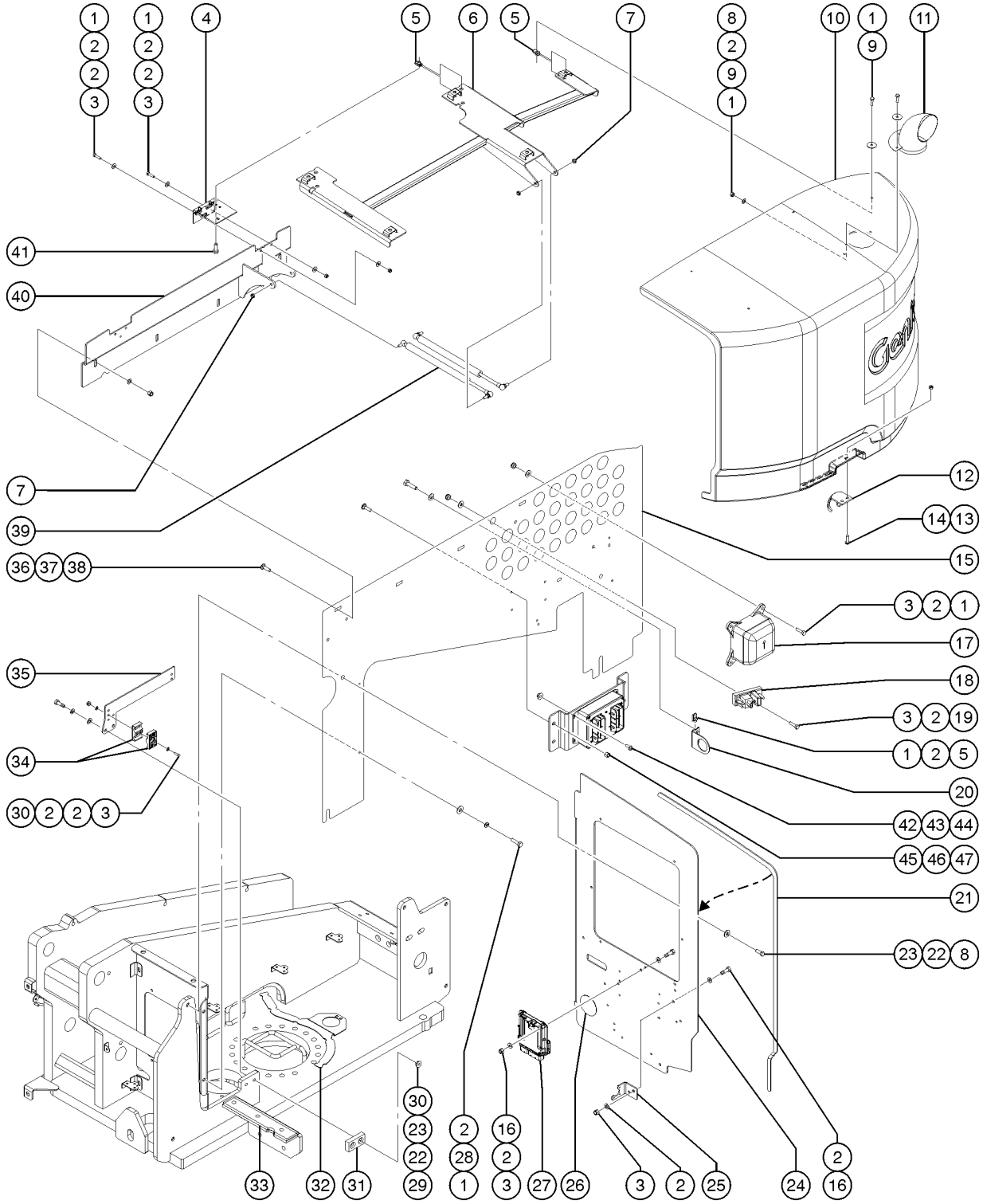
309.2 Turntable Cover, Engine Side



309.2 Turntable Cover, Engine Side

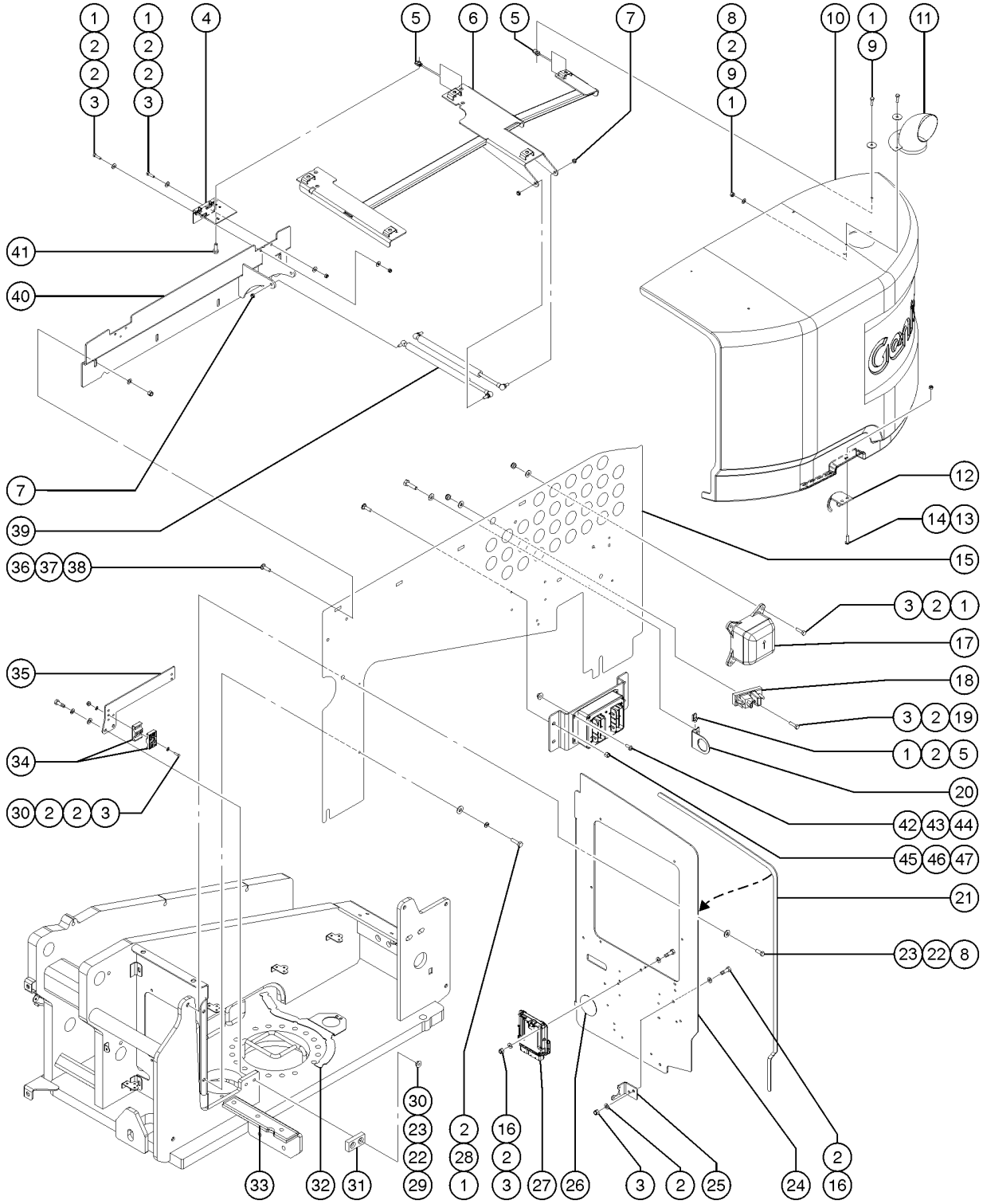
Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	6091GT	NUT,NYLOCK,1/4-20	
4	75073GT	HINGE,.375X.120THK.,SLOTTED	2
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	5
6	231601GT	WELD, COVER SUPPORT LH	1
7	6002GT	NUT, LP NYLOCK, 5/16-18	4
8	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
9	12906GT	WASHER,FENDER,.25 X 1.25 X.062	5
10	139955GT	COVER,ENGINE SIDE	1
11	101964GT	WELDMENT,EXHAUST TUBE	1
12	75076GT	KEEPER,LATCH (45363)	1
13	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	
14	6178GT	NUT, NYLOCK, 10-32	
15	147018GT	BULKHEAD,ENGINE SIDE	1
16	8915GT	SCREW, HHC, 1/4-20 X 1.25	
17A	822781GT	MODULE,FUSE&RELAY,DEUTZ 2.9 models with Deutz 2.9L4 engine	1
17A-	1251499GT	FUSE, ATM, 15AMP	
17A-	1251500GT	FUSE, ATM, 20AMP	
17A-	1251501GT	FUSE, ATM, 30AMP	
17A-	1251502GT	FUSE, ATM, 10AMP	
17A-	1251503GT	RELAY, 12V MICRO, 35AMP	
17A-	1251504GT	DIODE, 6A 22903-6V	
17A-	1251505GT	TOOL, FUSE PULLER, ATM	
17A-	1251510GT	CIRCUIT BREAKER,20AMP MINI	
17B	822793GT	MODULE,FUSE&RELAY,PERKINS 404F	1
17B-	1251499GT	FUSE, ATM, 15AMP	
17B-	1251500GT	FUSE, ATM, 20AMP	

309.2 Turntable Cover, Engine Side



Item	Part No.	Description	Qty.
17B-	1251502GT	FUSE, ATM, 10AMP	
17B-	1251503GT	RELAY, 12V MICRO, 35AMP	
17B-	1251504GT	DIODE, 6A 22903-6V	
17B-	1251505GT	TOOL, FUSE PULLER, ATM	
17B-	1251506GT	FUSE, ATM, 5AMP	
17B-	1251507GT	FUSE, ATM, 7.5AMP	
18	824023GT	RELAY,POWER&FUSE MODULE	1
18-	1251508GT	FUSE, FMX, 60AMP	
18-	1251509GT	COVER,PRM FUSE SERVICE PART	
19	4266GT	SCREW,HHC,1/4-20 X 2	
20	216344GT	BRACKET,SWING ENGINE CONNECTOR	1
21	119218GT	TRIM,EDGE,1/8X3/4 SIDE BULB sold by the inches	
22	6021GT	WASHER, LOCK, .375	
23	5397GT	WASHER, FLAT, USS, 5/16-18	
24	231563GT	BULKHEAD, COOLING AIR	1
25	823817GT	FORMING,DIAGNOSTIC PORT,Z45	1
26	123572GT	HOLE PLUG, 3 IN	1
27		Ref. ECU	
28	6356GT	WASHER, LOCK, .25	
29	48425GT	NUT,FLG-LRG,3/8-16,YZ	
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	
31	81640GT	WEAR PAD,3 X 1.5 X.625 W/NUTS	1
32	217430GT	FORMING, AUXILARY CABLE MT	1
33	50519GT	LOAD PAD,ENGINE TRAY SUPPORT	1
34	78736GT	CLAMP,2 HOSE,PLASTIC	4
35	217518GT	BRACKET,BATTERY CABLE	1
36	105092GT	BOLT,CARRIAGE,3/8-16X1.25,GR5	
37	87684GT	PUSHRETAINER FOR 3/8"THRD SCREW	4

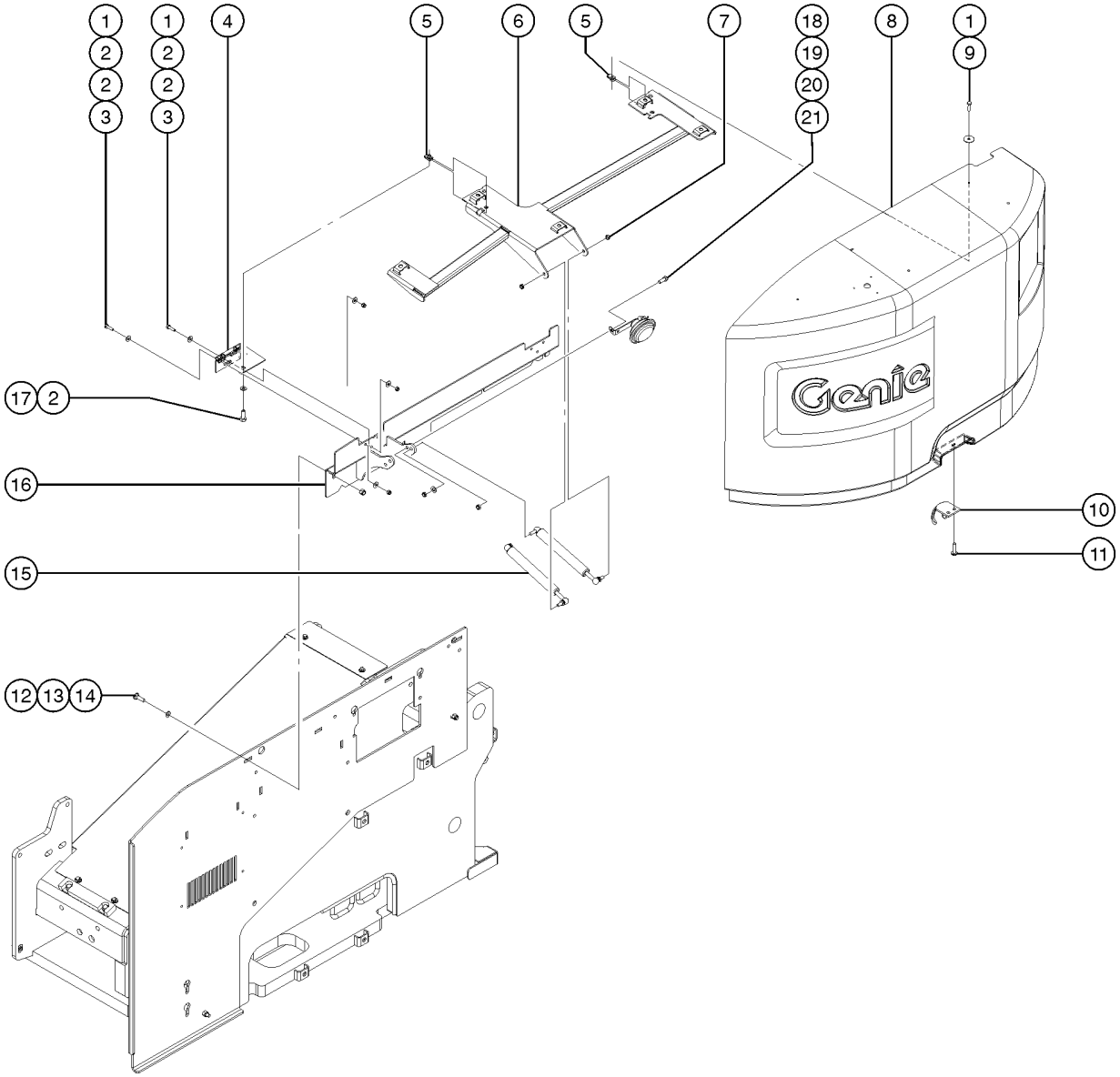
309.2 Turntable Cover, Engine Side



309.2 Turntable Cover, Engine Side

Item	*Part No.*	*Description*	*Qty.*
38	4828GT	NUT, NYLOCK, 3/8-16	
39	106069GT	STRUT,GAS,200 LB***	2
39-	33555GT	BALL STUD**	
40	219080GT	WLDMT, BULKHEAD HINGE MNT, ES	1
41	6090GT	SCREW, HHC, 1/4-20 X .75	

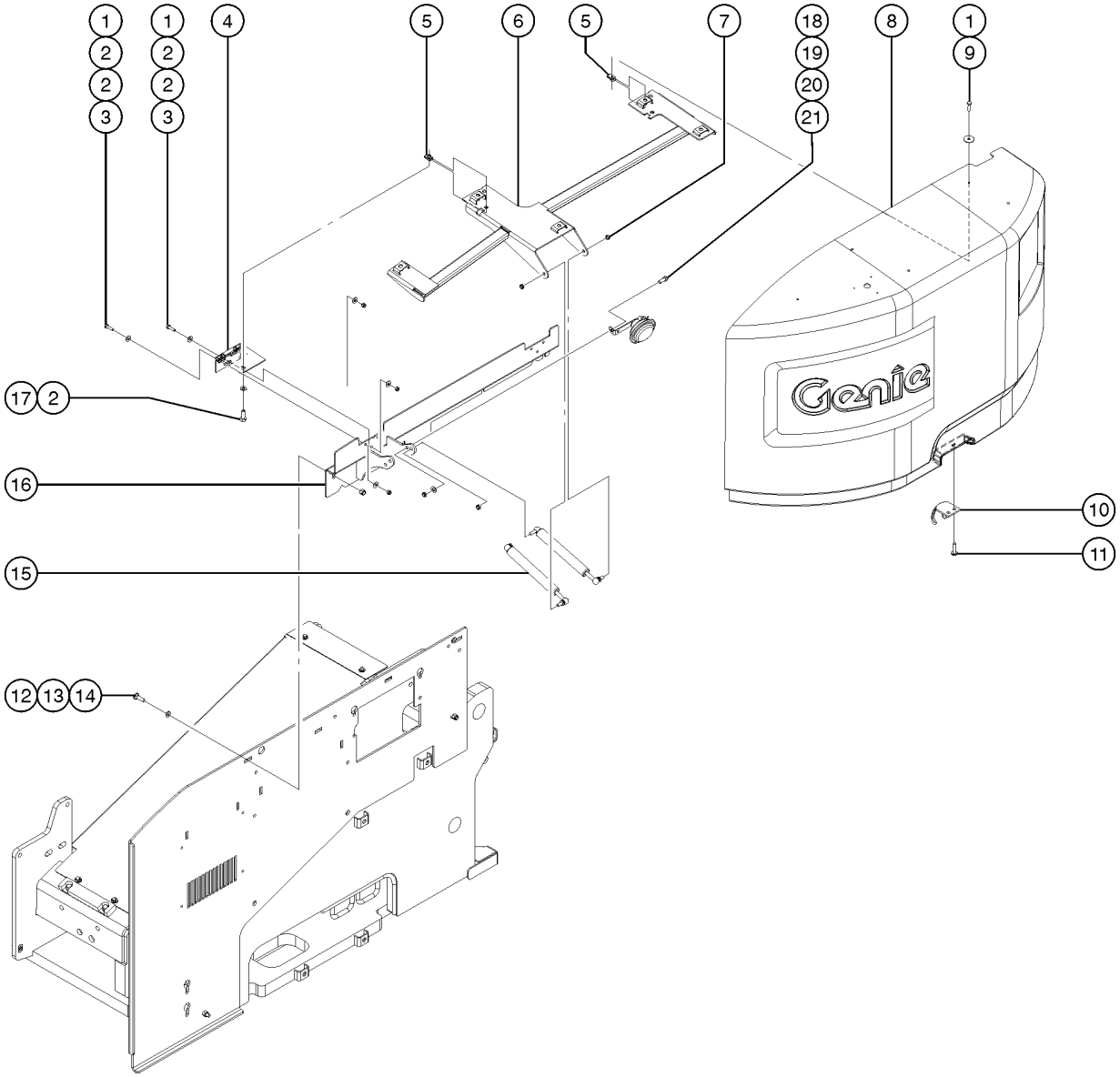
310.1 Turntable Cover, Tank Side



310.1 Turntable Cover, Tank Side

Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	6091GT	NUT,NYLOCK,1/4-20	
4	75073GT	HINGE,.375X.120THK.,SLOTTED	2
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	5
6	231597GT	WLDMT, COVER SUPPORT RH	1
7	6002GT	NUT, LP NYLOCK, 5/16-18	4
8	139957GT	COVER, TANK SIDE	1
9	12906GT	WASHER,FENDER,.25 X 1.25 X.062	
10	75076GT	KEEPER,LATCH (45363)	1
11	54322GT	SCREW,10-32 X.625,SF.TAP.PHIL	2
12	105092GT	BOLT,CARRIAGE,3/8-16X1.25,GR5	
13	87684GT	PUSHRETAINER FOR 3/8"THRD SCREW	
14	4828GT	NUT, NYLOCK, 3/8-16	
15	139241GT	STRUT,GAS,14",200LBS.	2
15-	33555GT	BALL STUD**	
16	219079GT	WLDMT, BULKHEAD HINGE MNT, TS	
17	6090GT	SCREW, HHC, 1/4-20 X .75	

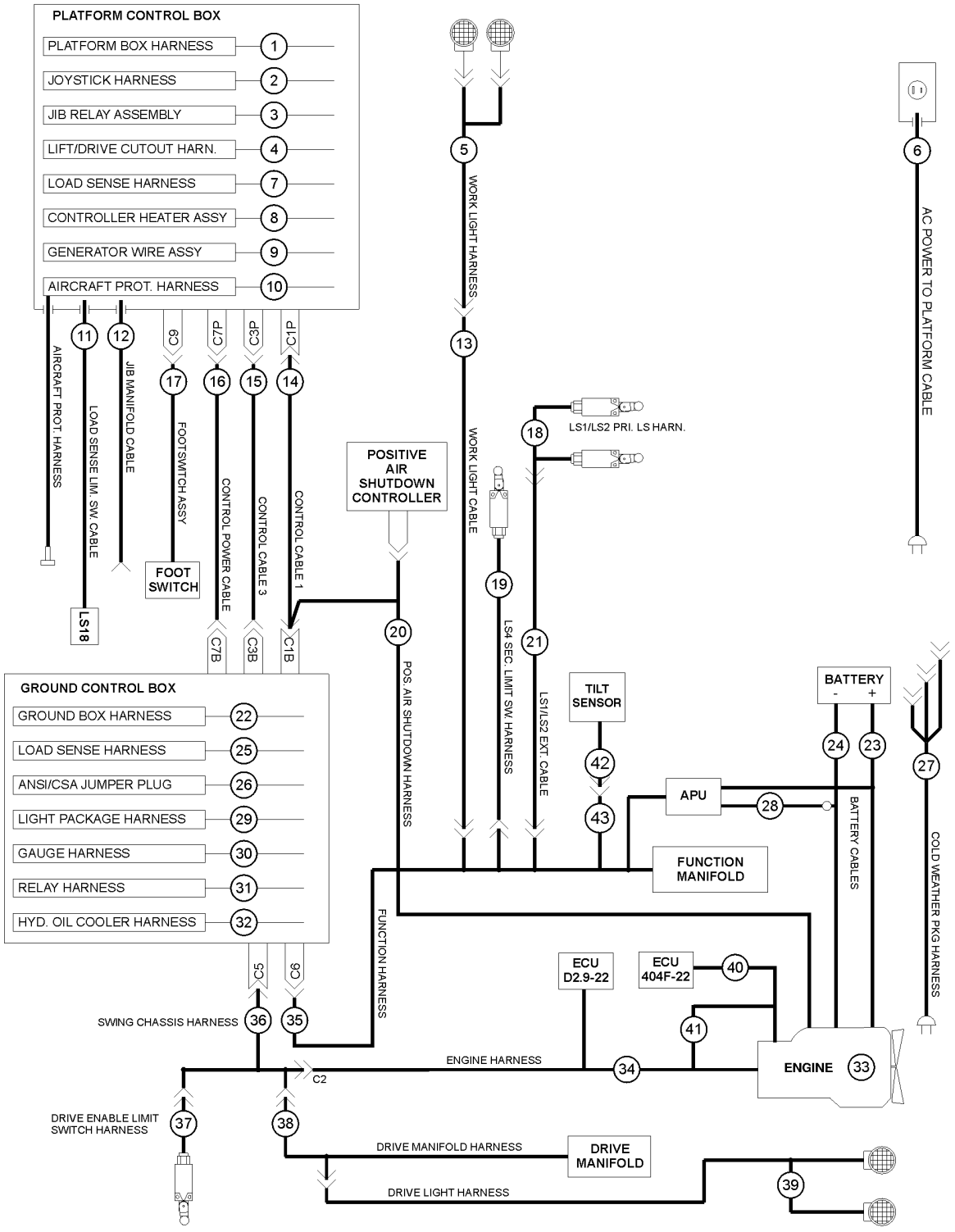
310.2 Turntable Cover, Tank Side



310.2 Turntable Cover, Tank Side

Item	Part No.	Description	Qty.
1	6888GT	SCREW, HHC, 1/4-20 X 1	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	6091GT	NUT,NYLOCK,1/4-20	
4	75073GT	HINGE,.375X.120THK.,SLOTTED	2
5	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	5
6	231597GT	WLDMT, COVER SUPPORT RH	1
7	6002GT	NUT, LP NYLOCK, 5/16-18	4
8	139957GT	COVER, TANK SIDE	1
9	12906GT	WASHER,FENDER,.25 X 1.25 X.062	
10	75076GT	KEEPER,LATCH (45363)	1
11	54322GT	SCREW,10-32 X.625,SF.TAP.PHIL	2
12	105092GT	BOLT,CARRIAGE,3/8-16X1.25,GR5	
13	87684GT	PUSHRETAINER FOR 3/8"THRD SCREW	
14	4828GT	NUT, NYLOCK, 3/8-16	
15	139241GT	STRUT,GAS,14",200LBS.	2
15-	33555GT	BALL STUD**	
16	219079GT	WLDMT, BULKHEAD HINGE MNT, TS	
17	6090GT	SCREW, HHC, 1/4-20 X .75	
18	824067GT	SCREW, HHC, 3/8-16 X 1, 8, ZAG	1
19	81578GT	HORN,12VDC,SPADE TERMINALS***	1
20	826793GT	WASHER,FLAT,3/8,SAE,HRD,ZAG	1
21	824025GT	NUT,TL,3/8-16,C,ZAG	1

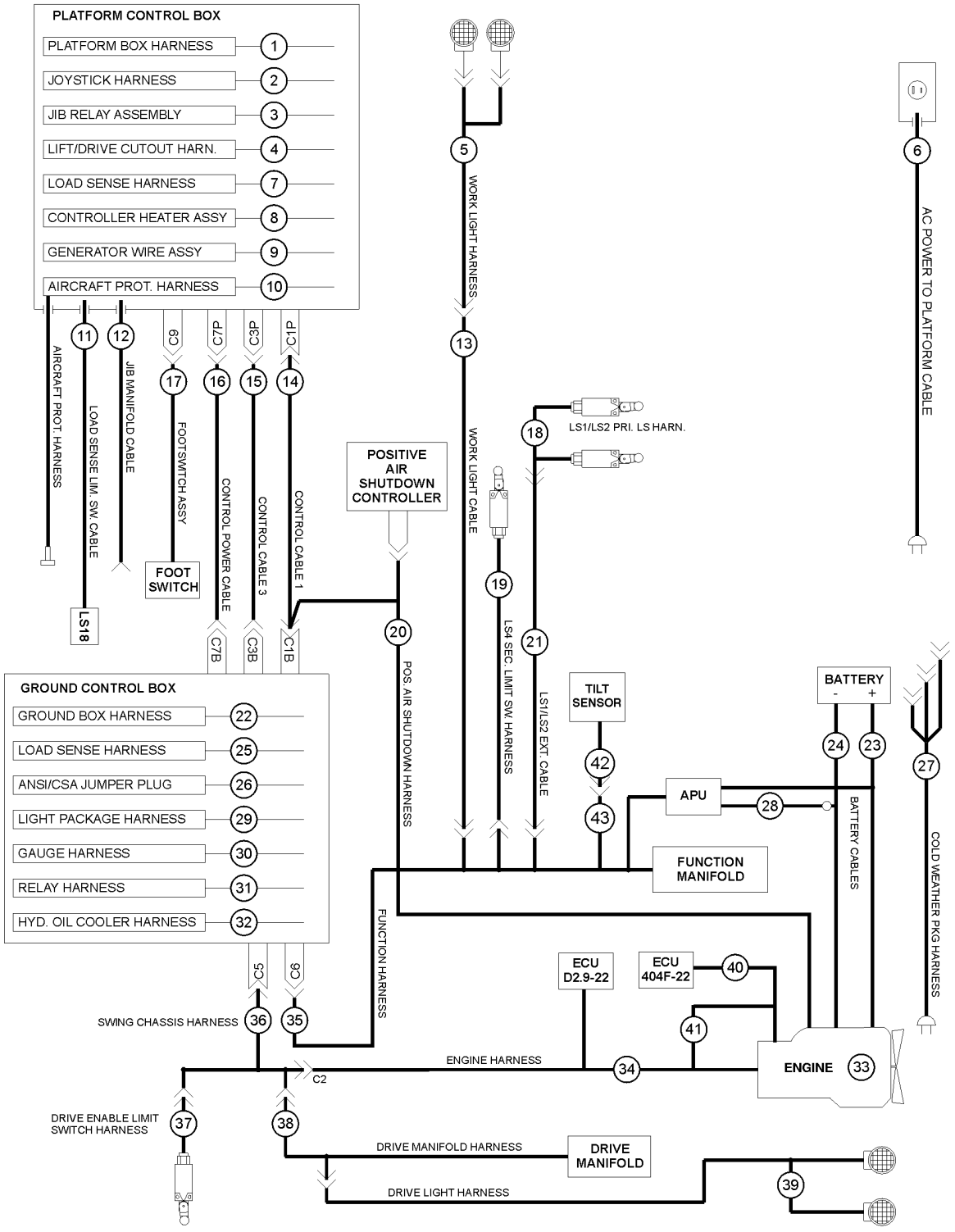
311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25



311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25

Item	*Part No.*	*Description*	*Qty.*
B	1264822GT	KIT, TRC RETROFIT, STNDRD Telematics (includes 1264834)	
B-	1264834GT	INSTRN, TRC RETROFIT, STNDRD	
1	218198GT	HARNESS,PBOX,Z45IC	1
2	218781GT	HARNESS,JOYSTICK	1
3	219843GT	HARN,JIB OPTION,PBOX,Z45/Z51	1
4	219670GT	HARN,LIFT/DRIVE CUTOUT,Z45IC/Z51	1
5	T114627GT	HARNESS,12V WORK LIGHTS	1
6A	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL Z-45/25	756-inches
7	218657GT	HARN,JUMPER,LOAD SENSE,PBOX	1
7-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
8		ASSY,ALC500 HEATER,Z45/Z51 (219683) component no longer available	1
9	219672GT	HARNESS,GENERATOR,PBOX,Z45/51	1
10	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 (see PN 27391 for Proximity Sensor)	1
11B	147786GT	ASSY, LS, LOAD SENSE, 89 IN Z45/25, CE and Australia	1
12	101080GT	HARNESS,JIB SELECT MANIFOLD	1
13	160554GT	HARN,CABLE,WORK LIGHTS,Z45 Z-45/25 and Z-45/25J	1
14B	217899GT	HARN,CONTROL CABLE1,Z45 Z45/25	1
15B	217900GT	HARN,CONTROL CABLE3,Z45 Z45/25	
16B	217901GT	HARN 12/3 CABLE2,Z45 Z45/25	1
17	227617GT	ASSEMBLY,FOOT SWITCH	1
18	88725GT	HARNESS,LS,PRIM/EXT	1
19	218684GT	HARNESS,LS SEC UP/DOWN	1
20	219681GT	HARN,POS. AIR SHUTDOWN,Z45IC (option)	1
21	218685GT	HARNESS,LS EXTEND PIGTAIL	1
22A	218195GT	HARNESS,GBOX,Z45IC for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines	1
22B	824997GT	HARNESS,GBOX,T4,Z45 for models with Deutz D2.9 & Perkins 404F-22 engines	1
22B-	56445GT	DIODE,6 AMP 200 PIV,REEL	

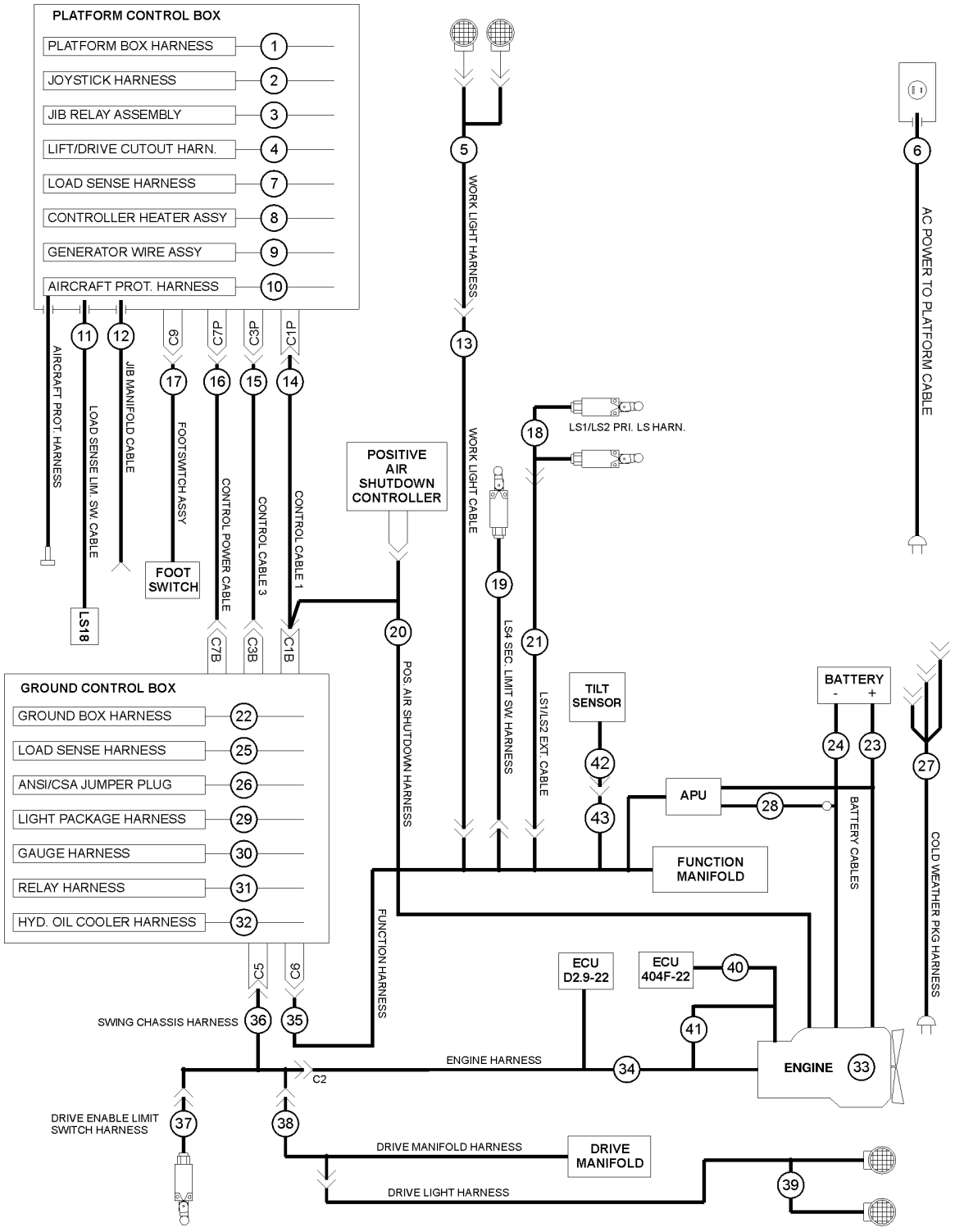
311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25



311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25

Item	Part No.	Description	Qty.
23	218454GT	BATTERY CABLE,POSITIVE,RED	1
24	218455GT	BATTERY CABLE,NEGATIVE,BLACK	1
25	219305GT	HARNESS,JUMPER,LOAD SENSE,GBOX	1
26	88832GT	HARNESS,PLUG,NON-LOAD WEIGHING	1
27A	161078GT	ASSY,240V COLD WEATHER PKG. (option)	1
27B	161079GT	ASSY,120V COLD WEATHER PKG. (option)	1
28	218506GT	BATTERY CABLE,NEGATIVE,APU	1
29	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	1
30	219673GT	HARNESS,GAUGE,Z45/51	1
31A	218196GT	HARNESS,RELAY,GBOX,Z45IC for models with Deutz D2011L03 & Perkins 404D-22 engines	1
31B	218197GT	HARNESS,RELAY,GBOX,Z45 GAS/LP for models with Ford MSG-425	1
31C	824998GT	HARNESS ASSY,RELAY 404F,Z45 for models with Perkins 404F-22 engines	
31D	824999GT	HARNESS ASSY,RELAY D2.9,Z45 for models with Deutz D2.9L4 engines	
32	220234GT	HARNESS,RELAY,OIL COOLER (option)	1
33	160681GT	HARN,2ND GLOW PLUG,DTZ for models with Deutz D2011L03	1
34A	217903GT	HARN FORD ENGINE Z45-2012 for models with Ford MSG-425	1
34B	217902GT	HARN PERKINS ENGINE Z45-2012 for models with Perkins 404D-22 engines	1
34C	822047GT	HARNESS, Z45 PERKINS 404F for models with Perkins 404F-22 engines	1
34D	216339GT	HARN DEUTZ ENGINE Z45-20 for models with Deutz D2011L03	1
34E	822049GT	HARNESS, Z45 DEUTZ D2.9 for models with Deutz D2.9 engines	1
35	217957GT	HARN, FUNCTION MANIFOLD,Z45IC	1
36	217782GT	HARN,SWING CHASSIS,Z45IC/Z51	1
37	110160GT	HARNESS,LS,D.E. Z45	1
38	217904GT	HARN BRAKE-MS ADAPTER CABLE	1
39	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	1
40	826710GT	HARNESS, EXTENSION, 404F-22 Perkins	1
41	822513GT	HARN,PERKINS 404F,6WAY EXT	1
42	1264947GT	KIT, LEVEL SENSOR, 6 PIN CONN for CSA models with 6-pin connectors to SN Z452515A-53030	1

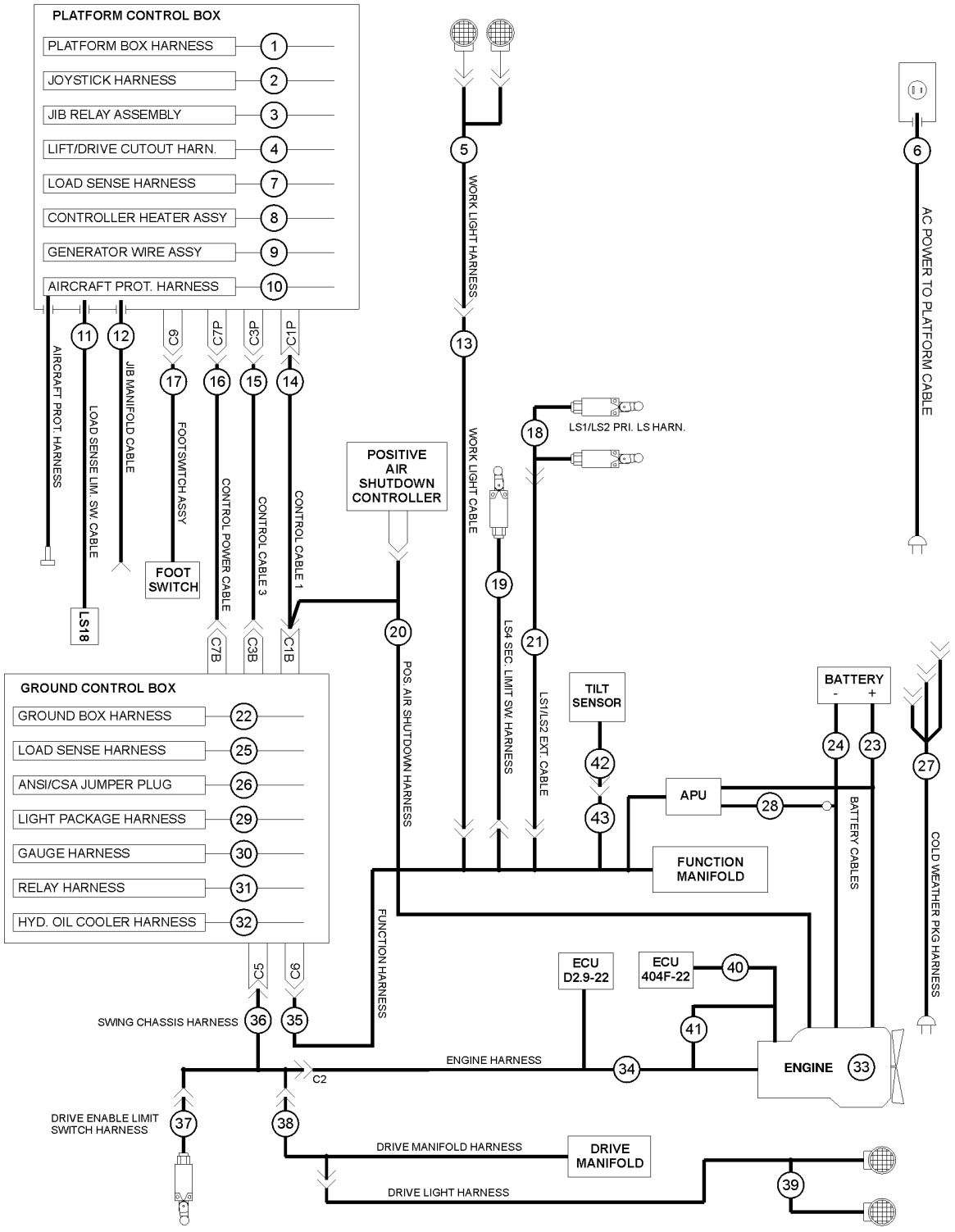
311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25



311.1 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25

Item	*Part No.*	*Description*	*Qty.*
43A	1260218GT	HARNESS,TILT ALARM,12V for CSA models to SN Z452515A-53030	1
43B	1285811GT	KIT,TILT ALARM,IC MODELS from 53031	
43B-	1285689GT	INSTRUCTIONS,INSTALL (LEVEL SENSOR ALARM) for kit 1285811	

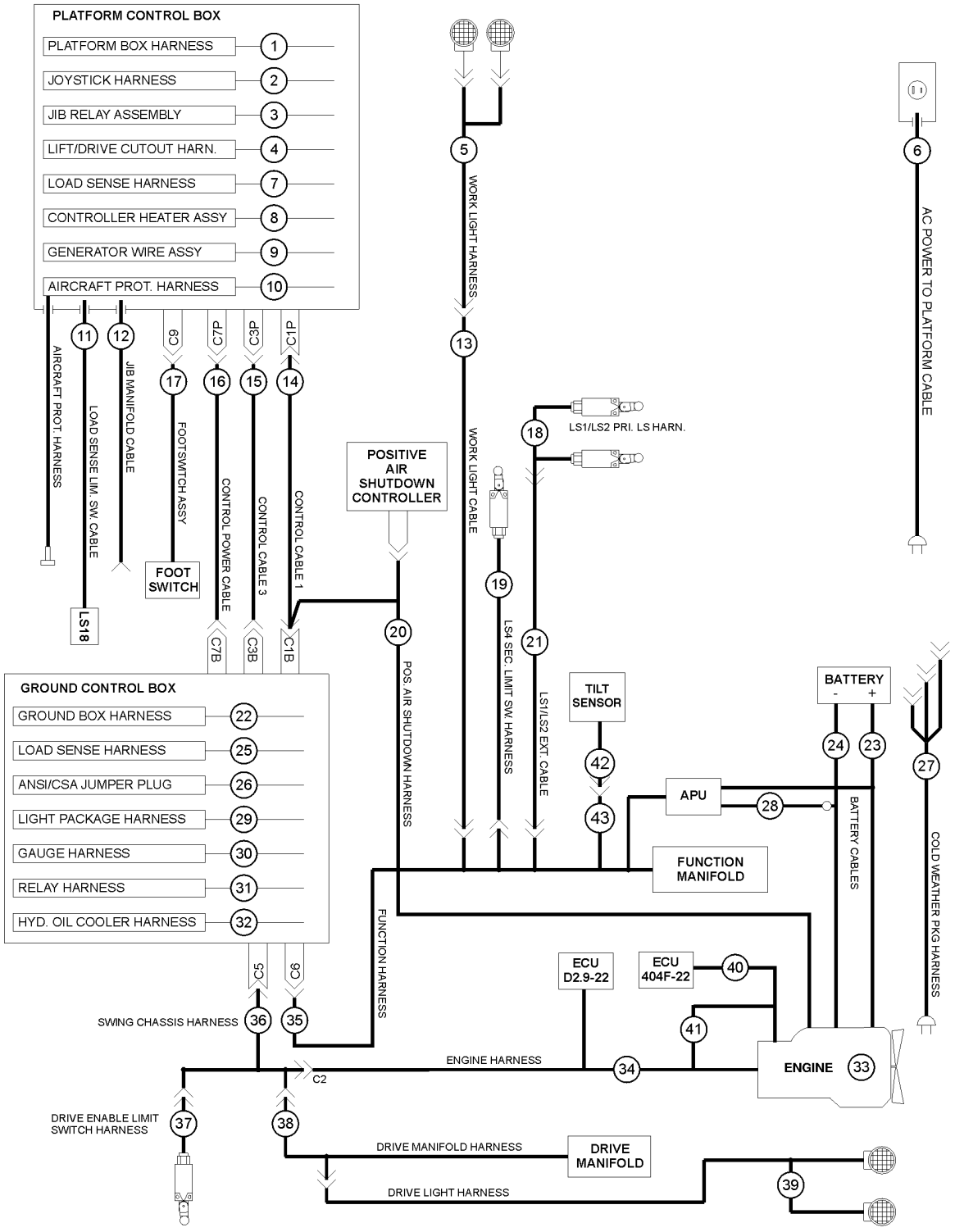
311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J



311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J

Item	*Part No.*	*Description*	*Qty.*
A	58253GT	KIT,REPAIR,DEUTSCH PLUG,W/TUBE (small kit)	
B	83129GT	CONNECTOR KIT,DEUTSCH*** (large kit)	
C	61794GT	CRIMPER,DEUTSCH,LIGHT DUTY*** (tool)	
D	1264822GT	KIT, TRC RETROFIT, STNDRD Telematics (includes 1264834)	
D-	1264834GT	INSTRN, TRC RETROFIT, STNDRD	
1	218198GT	HARNESS,PBOX,Z45IC	1
2	218781GT	HARNESS,JOYSTICK	1
3	219843GT	HARN,JIB OPTION,PBOX,Z45/Z51	1
4	219670GT	HARN,LIFT/DRIVE CUTOUT,Z45IC/Z51	1
5	T114627GT	HARNESS,12V WORK LIGHTS	1
6B	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL Z-45/25J	75 6-inches
7	218657GT	HARN,JUMPER,LOAD SENSE,PBOX	1
7-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
8		ASSY,ALC500 HEATER,Z45/Z51 (219683) component no longer available	1
9	219672GT	HARNESS,GENERATOR,PBOX,Z45/51	1
10	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 (see PN 27391 for Proximity Sensor)	1
11A	121848GT	ASSY,LS,LOAD SENSE,38.5 IN Z45/25J, CE and Australia	1
12	101080GT	HARNESS,JIB SELECT MANIFOLD	1
13	160554GT	HARN,CABLE,WORK LIGHTS,Z45 Z-45/25 and Z-45/25J	1
14A	217896GT	HARNESS,CONTROL CABLE 1,JIB Z45/25J	1
15A	217897GT	HARNESS,CONTROL CABLE 3,JIB Z45/25J	1
16A	217898GT	HARN,CABLE,POWER TO PLAT,Z45J Z45/25J	1
17	227617GT	ASSEMBLY,FOOT SWITCH	1
18	88725GT	HARNESS,LS,PRIM/EXT	1
19	218684GT	HARNESS,LS SEC UP/DOWN	1
20	219681GT	HARN,POS. AIR SHUTDOWN,Z45IC (option)	1
21	218685GT	HARNESS,LS EXTEND PIGTAIL	1

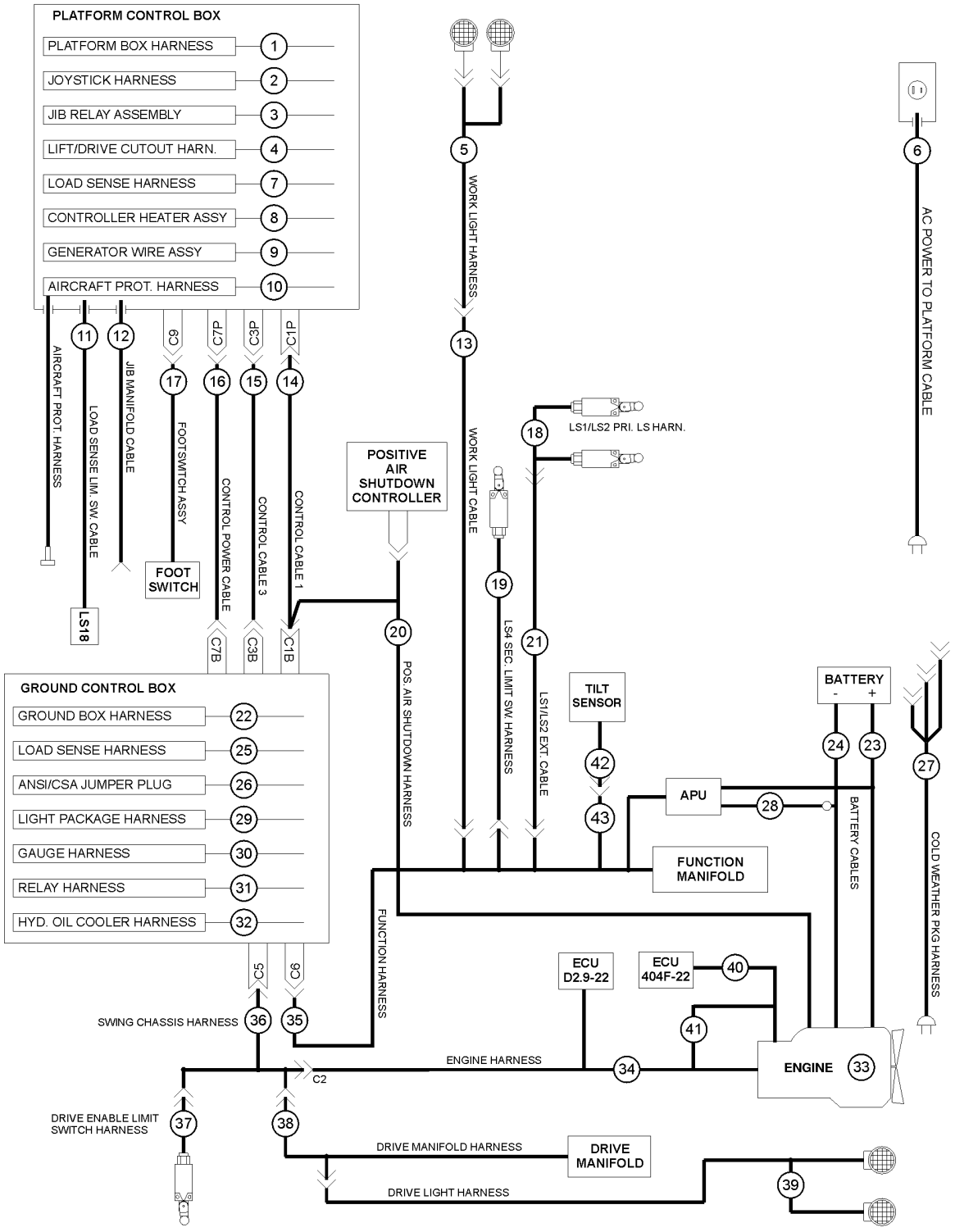
311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J



311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J

Item	Part No.	Description	Qty.
22A	218195GT	HARNESS,GBOX,Z45IC for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines	1
22B	824997GT	HARNESS,GBOX,T4,Z45 for models with Deutz D2.9 & Perkins 404F-22 engines	1
22B-	56445GT	DIODE,6 AMP 200 PIV,REEL	
23	218454GT	BATTERY CABLE,POSITIVE,RED	1
24	218455GT	BATTERY CABLE,NEGATIVE,BLACK	1
25	219305GT	HARNESS,JUMPER,LOAD SENSE,GBOX	1
26	88832GT	HARNESS,PLUG,NON-LOAD WEIGHING	1
27A	161078GT	ASSY,240V COLD WEATHER PKG. (option)	1
27B	161079GT	ASSY,120V COLD WEATHER PKG. (option)	1
28	218506GT	BATTERY CABLE,NEGATIVE,APU	1
29	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	1
30	219673GT	HARNESS,GAUGE,Z45/51	1
31A	218196GT	HARNESS,RELAY,GBOX,Z45IC for models with Deutz D2011L03i & Perkins 404D-22 engines	1
31B	218197GT	HARNESS,RELAY,GBOX,Z45 GAS/LP for models with Ford MSG-425	1
31C	824998GT	HARNESS ASSY,RELAY 404F,Z45 for models with Perkins 404F-22 engines	
31D	824999GT	HARNESS ASSY,RELAY D2.9,Z45 for models with Deutz D2.9 engines	
32	220234GT	HARNESS,RELAY,OIL COOLER (option)	1
33	160681GT	HARN,2ND GLOW PLUG,DTZ for models with Deutz D2011L03i	1
34A	217903GT	HARN FORD ENGINE Z45-2012 for models with Ford MSG-425	1
34B	217902GT	HARN PERKINS ENGINE Z45-2012 for models with Perkins 404D-22 engines	1
34C	822047GT	HARNESS, Z45 PERKINS 404F for models with Perkins 404F-22 engines	1
34D	216339GT	HARN DEUTZ ENGINE Z45-20 for models with Deutz D2011L03i	1
34E	822049GT	HARNESS, Z45 DEUTZ D2.9 for models with Deutz D2.9 engines	1
35	217957GT	HARN, FUNCTION MANIFOLD,Z45IC	1
36	217782GT	HARN,SWING CHASSIS,Z45IC/Z51	1
37	110160GT	HARNESS,LS,D.E. Z45	1
38	217904GT	HARN BRAKE-MS ADAPTER CABLE	1
39	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	1

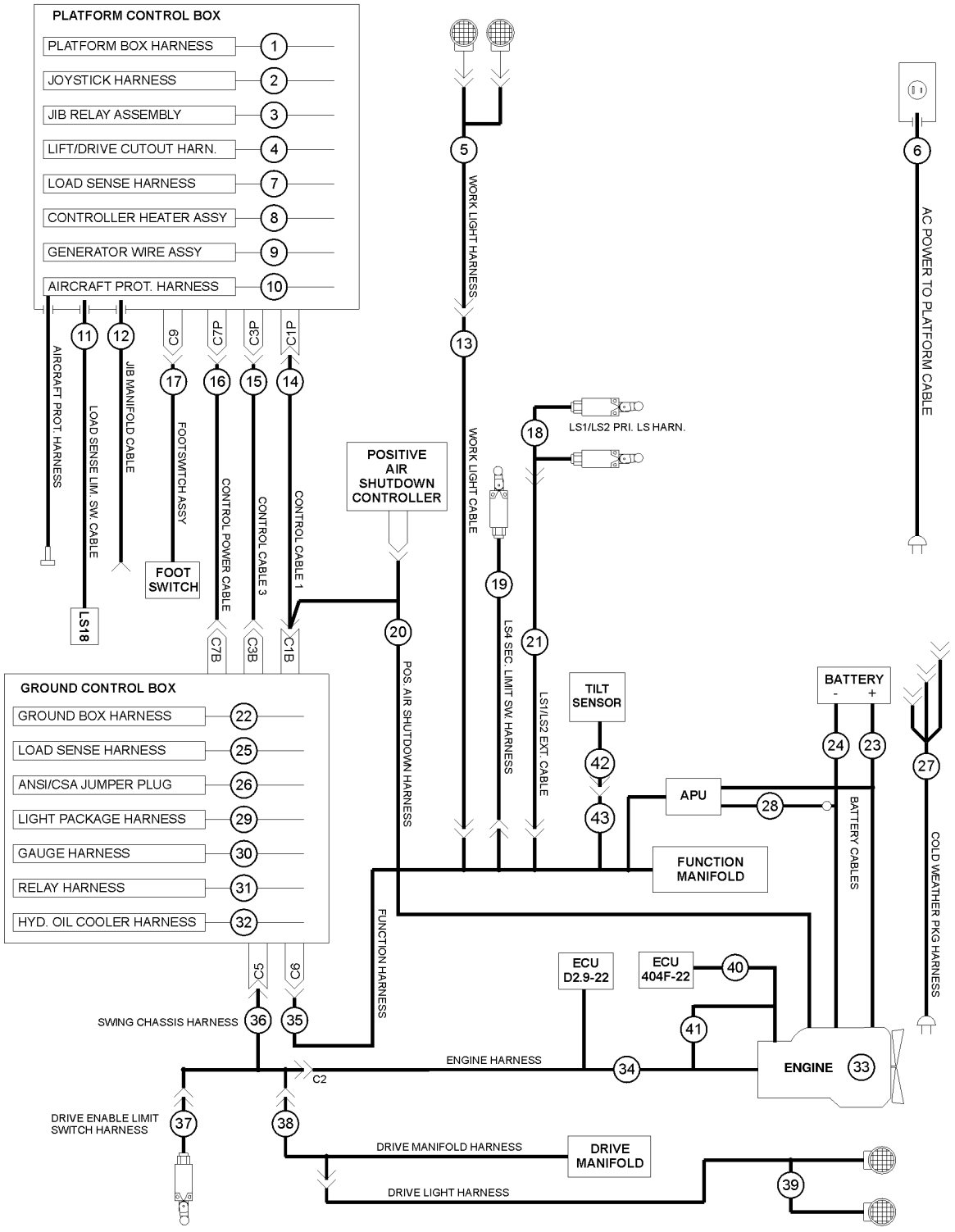
311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J



311.2 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450), Z-45/25J

Item	*Part No.*	*Description*	*Qty.*
40	826710GT	HARNESS, EXTENSION, 404F-22 Perkins	1
41	822513GT	HARN,PERKINS 404F,6WAY EXT	1
42	1264947GT	KIT, LEVEL SENSOR, 6 PIN CONN for CSA models with 6-pin connectors to SN Z452515A-53030	1
43A	1260218GT	HARNESS,TILT ALARM,12V for CSA models to SN Z452515A-53030	1
43B	1285811GT	KIT,TILT ALARM,IC MODELS from 53031	
43B-	1285689GT	INSTRUCTIONS,INSTALL (LEVEL SENSOR ALARM) for kit 1285811	

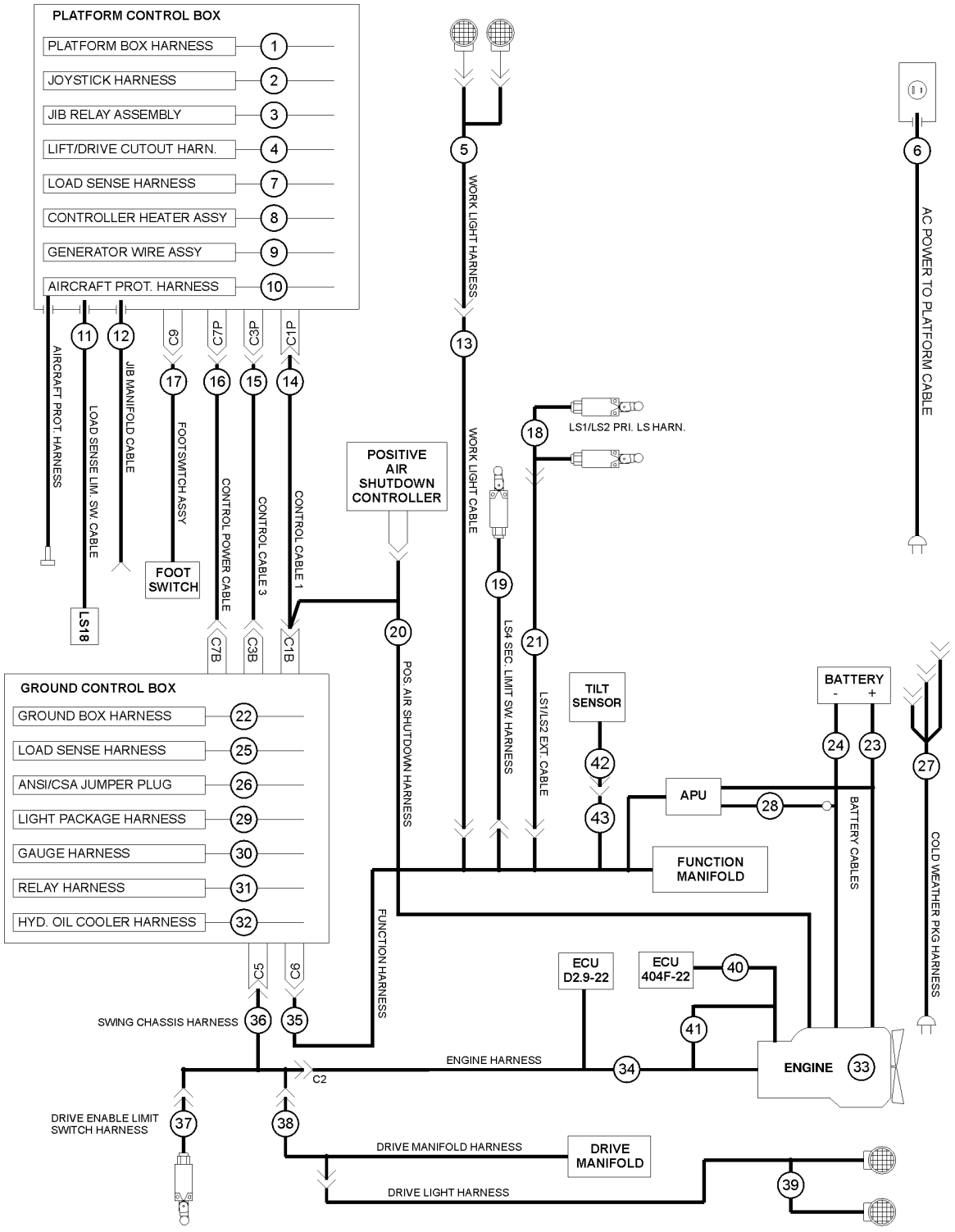
311.3 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450)



311.3 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450)

Item	*Part No.*	*Description*	*Qty.*
1	218198GT	HARNESS,PBOX,Z45IC	1
2	218781GT	HARNESS,JOYSTICK	1
3	219843GT	HARN,JIB OPTION,PBOX,Z45/Z51	1
4	219670GT	HARN,LIFT/DRIVE CUTOUT,Z45IC/Z51	1
5	T114627GT	HARNESS,12V WORK LIGHTS	1
6B	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL Z-45/25J	75 6-inches
7	218657GT	HARN,JUMPER,LOAD SENSE,PBOX	1
8		ASSY,ALC500 HEATER,Z45/Z51 (219683) component no longer available	1
9	219672GT	HARNESS,GENERATOR,PBOX,Z45/51	1
10	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 (see PN 27391 for Proximity Sensor)	1
11A	121848GT	ASSY,LS,LOAD SENSE,38.5 IN Z45/25J, CE and Australia	1
12	101080GT	HARNESS,JIB SELECT MANIFOLD	1
13	160554GT	HARN,CABLE,WORK LIGHTS,Z45 Z-45/25 and Z-45/25J	1
14A	217896GT	HARNESS,CONTROL CABLE 1,JIB Z45/25J	1
15A	217897GT	HARNESS,CONTROL CABLE 3,JIB Z45/25J	1
16A	217898GT	HARN,CABLE,POWER TO PLAT,Z45J Z45/25J	1
17	227617GT	ASSEMBLY,FOOT SWITCH	1
18	88725GT	HARNESS,LS,PRIM/EXT	1
19	218684GT	HARNESS,LS SEC UP/DOWN	1
20	219681GT	HARN,POS. AIR SHUTDOWN,Z45IC (option)	1
21	218685GT	HARNESS,LS EXTEND PIGTAIL	1
22A	218195GT	HARNESS,GBOX,Z45IC for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines	1
23	218454GT	BATTERY CABLE,POSITIVE,RED	1
24	218455GT	BATTERY CABLE,NEGATIVE,BLACK	1
25	219305GT	HARNESS,JUMPER,LOAD SENSE,GBOX	1
26	88832GT	HARNESS,PLUG,NON-LOAD WEIGHING	1
27A	161078GT	ASSY,240V COLD WEATHER PKG. (option)	1

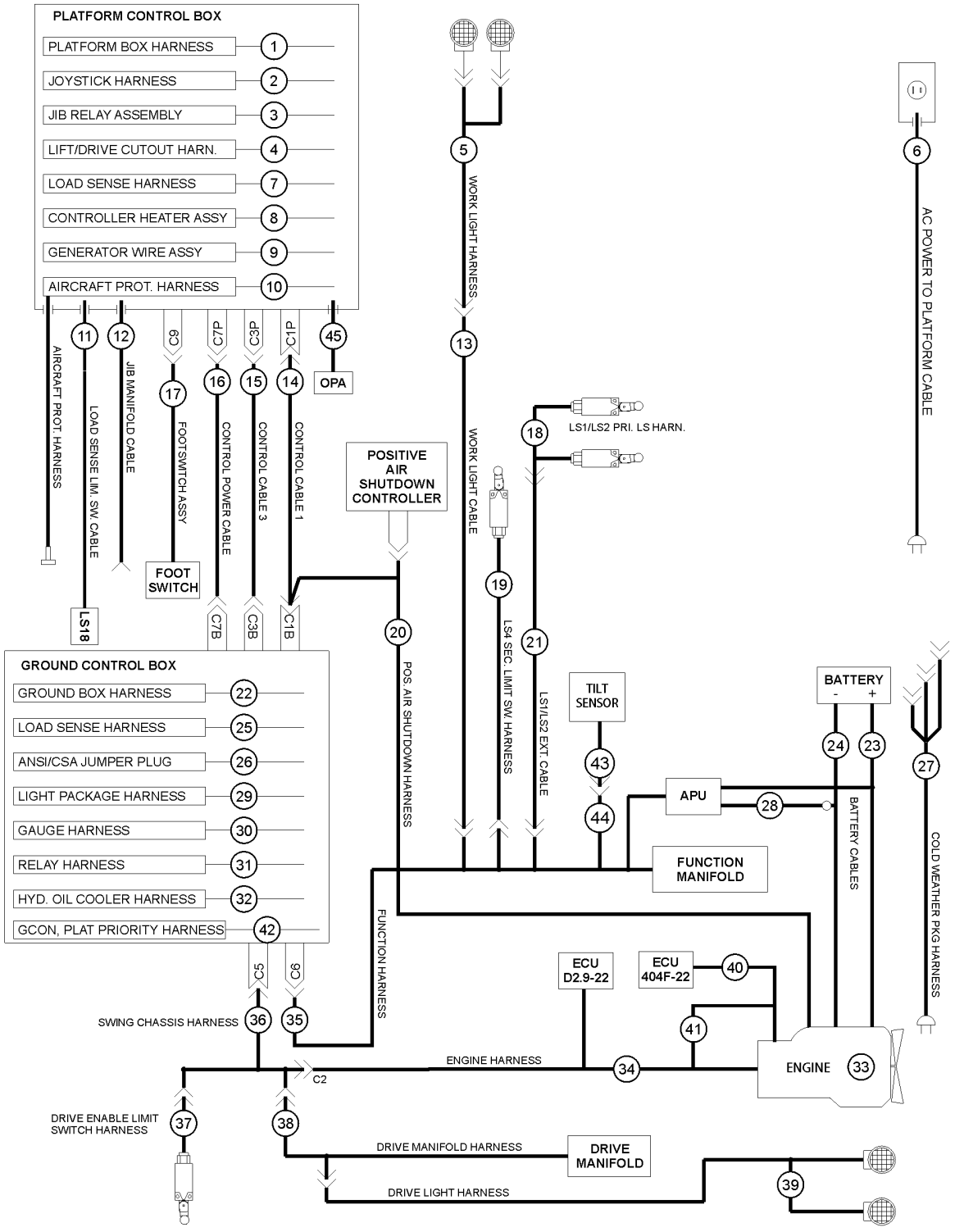
311.3 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450)



311.3 Wire Harness Diagram (to SN Z452515A-53159 and Z452515B-4450)

Item	*Part No.*	*Description*	*Qty.*
27B	161079GT	ASSY,120V COLD WEATHER PKG. (option)	1
28	218506GT	BATTERY CABLE,NEGATIVE,APU	1
29	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	1
30	219673GT	HARNESS,GAUGE,Z45/51	1
31A	218196GT	HARNESS,RELAY,GBOX,Z45IC for models with Deutz D2011L03i & Perkins 404D-22 engines	1
32	220234GT	HARNESS,RELAY,OIL COOLER (option)	1
33	160681GT	HARN,2ND GLOW PLUG,DTZ for models with Deutz D2011L03i	1
34E	822049GT	HARNESS, Z45 DEUTZ D2.9 for models with Deutz D2.9 engines	1
35	217957GT	HARN, FUNCTION MANIFOLD,Z45IC	1
36	217782GT	HARN,SWING CHASSIS,Z45IC/Z51	1
37	110160GT	HARNESS,LS,D.E. Z45	1
38	217904GT	HARN BRAKE-MS ADAPTER CABLE	1
39	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	1

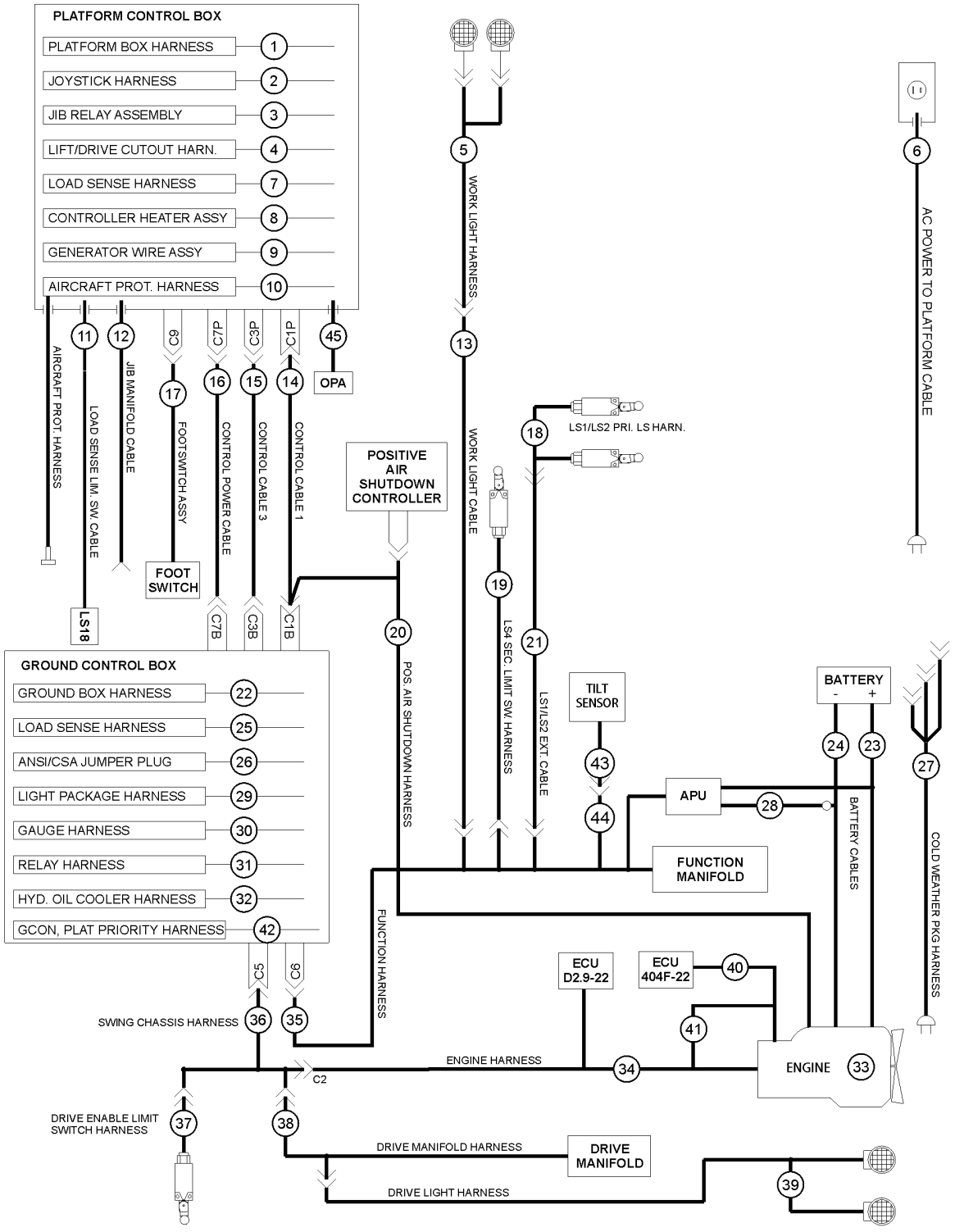
311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25



311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25

Item	*Part No.*	*Description*	*Qty.*
B	1264822GT	KIT, TRC RETROFIT, STNDRD Telematics (includes 1264834)	
B-	1264834GT	INSTRN, TRC RETROFIT, STNDRD	
1	1255661GT	HARNESS,PBOX,Z45IC to SN Z452515A-53480 and Z452515B-4518	1
1B	1262313GT	HARNESS, PBOX from SN Z452515A-53481 and Z452515B-4519	1
2	218781GT	HARNESS,JOYSTICK	1
3	219843GT	HARN,JIB OPTION,PBOX,Z45/Z51 to SN Z452515A-53480 and Z452515B-4518	1
3B	1262643GT	HARNESS, JIB OPTION from SN Z452515A-53481 and Z452515B-4519	1
4	219670GT	HARN,LIFT/DRIVE CUTOUT,Z45IC/Z51 to SN Z452515A-53480 and Z452515B-4518	1
4B	1262315GT	HARNESS, PBOX, LIFT/DRIVE from SN Z452515A-53481 and Z452515B-4519	1
5	T114627GT	HARNESS,12V WORK LIGHTS	1
6	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL Z-45/25	75 6-inches
7	218657GT	HARN,JUMPER,LOAD SENSE,PBOX to SN Z452515A-53480 and Z452515B-4518	1
7-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
7B	1261296GT	HARNESS ASSY,PCON,LOAD SENSE from SN Z452515A-53481 and Z452515B-4519	
7B-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
7B-	121843GT	RESISTOR,4.7K OHM,25 WATT	
8		ASSY,ALC500 HEATER,Z45/Z51 (219683) component no longer available	1
9	219672GT	HARNESS,GENERATOR,PBOX,Z45/51	1
10	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 to SN Z452515A-53480 and Z452515B-4518	1
10-	27391GT	PROXIMITY SENSOR***	1
10B	1262314GT	HARNESS, PBOX, PROX KILL from SN Z452515A-53481 and Z452515B-4519	1
10B-	27391GT	PROXIMITY SENSOR***	1
11	147786GT	ASSY, LS, LOAD SENSE, 89 IN Z45/25, CE and Australia	1
12	101080GT	HARNESS,JIB SELECT MANIFOLD	1
13	160554GT	HARN,CABLE,WORK LIGHTS,Z45 Z-45/25 and Z-45/25J	1
14	217899GT	HARN,CONTROL CABLE1,Z45 Z45/25	1
15	217900GT	HARN,CONTROL CABLE3,Z45 Z45/25	1

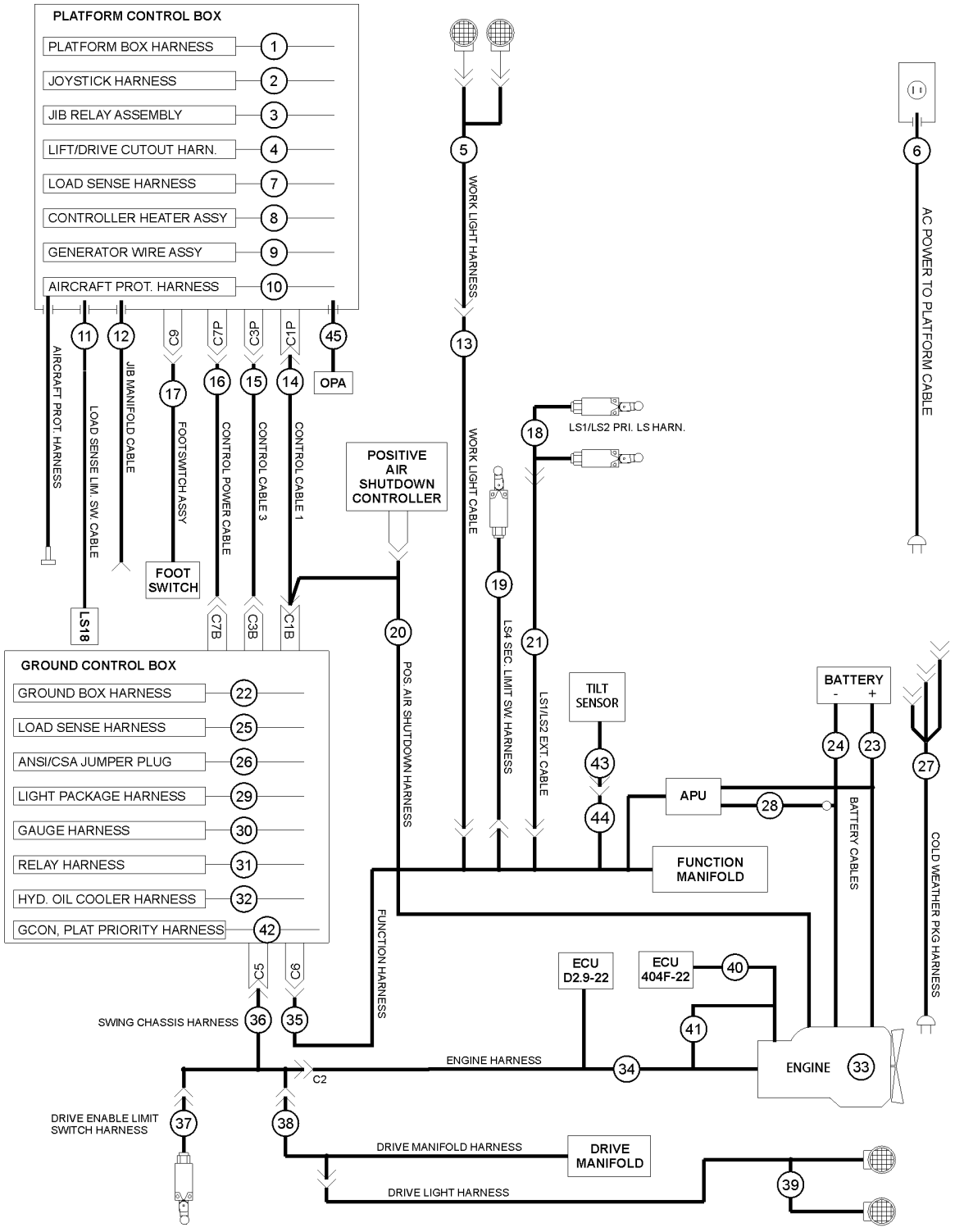
311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25



311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25

Item	Part No.	Description	Qty.
16	217901GT	HARN 12/3 CABLE2,Z45 ..... Z45/25	1
17	227617GT	ASSEMBLY,FOOT SWITCH	1
18	88725GT	HARNESS,LS,PRIM/EXT	1
19	218684GT	HARNESS,LS SEC UP/DOWN	1
20	219681GT	HARN,POS. AIR SHUTDOWN,Z45IC ..... (option)	1
21	218685GT	HARNESS,LS EXTEND PIGTAIL	1
22	1255662GT	HARNESS,GBOX,Z45IC ..... for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines, to SN Z452515A-53480 and Z452515B-4518	1
22B	1262312GT	HARNESS, GBOX ..... for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines, from SN Z452515A-53481 and Z452515B-4519	1
22B-	36899GT	SPLICE,PARALLEL,RED,INSULATED	
22B-	56445GT	DIODE,6 AMP 200 PIV,REEL	
22C	1255663GT	HARNESS,GBOX,T4,Z45 ..... for models with Deutz D2.9 & Perkins 404F-22 engines	1
22C-	36899GT	SPLICE,PARALLEL,RED,INSULATED	
22C-	56445GT	DIODE,6 AMP 200 PIV,REEL	
23	218454GT	BATTERY CABLE,POSITIVE,RED	1
24	218455GT	BATTERY CABLE,NEGATIVE,BLACK	1
25	219305GT	HARNESS,JUMPER,LOAD SENSE,GBOX	1
26	88832GT	HARNESS,PLUG,NON-LOAD WEIGHING	1
27	161078GT	ASSY,240V COLD WEATHER PKG. ..... (option)	1
27B	161079GT	ASSY,120V COLD WEATHER PKG. ..... (option)	1
28	218506GT	BATTERY CABLE,NEGATIVE,APU	1
29	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	1
30	219673GT	HARNESS,GAUGE,Z45/51	1
31	1255780GT	HARNESS,RELAY,GBOX,Z45IC ..... for models with Deutz D2011L03 & Perkins 404D-22 engines	1
31B	1255781GT	HARNESS,RELAY,GBOX,Z45 GAS/LP ..... for models with Ford MSG-425	1
31C	1255779GT	HARNESS ASSY,RELAY 404F,Z45 ..... for models with Perkins 404F-22 engines	1
31D	1255778GT	HARNESS ASSY,RELAY D.29,Z45 ..... for models with Deutz D2.9L4 engines	1
32	220234GT	HARNESS,RELAY,OIL COOLER ..... (option)	1

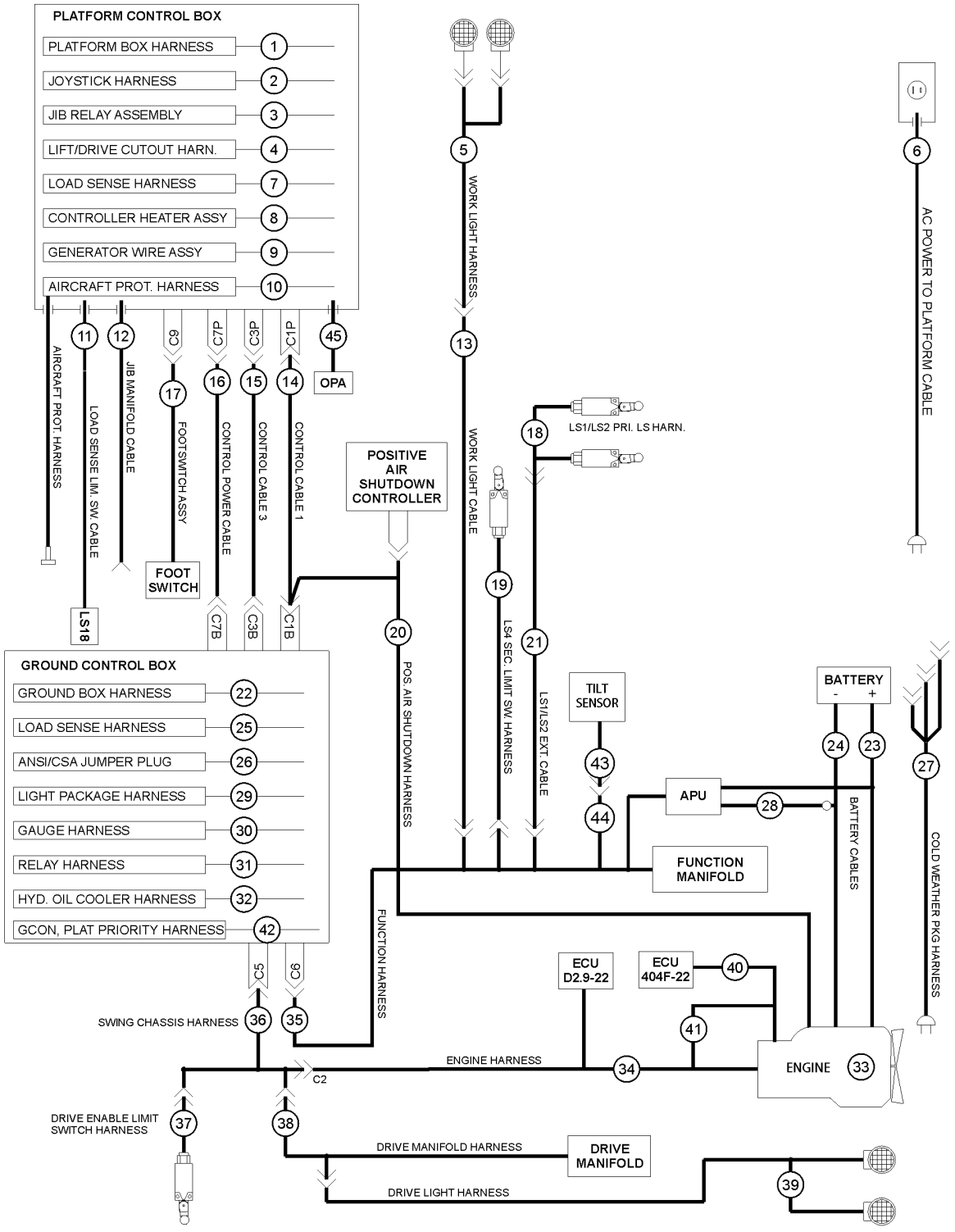
311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25



311.4 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25

Item	Part No.	Description	Qty.
33	160681GT	HARN,2ND GLOW PLUG,DTZ for models with Deutz D2011L03	1
34	217903GT	HARN FORD ENGINE Z45-2012 for models with Ford MSG-425	1
34B	217902GT	HARN PERKINS ENGINE Z45-2012 for models with Perkins 404D-22 engines	1
34C	822047GT	HARNESS, Z45 PERKINS 404F for models with Perkins 404F-22 engines	1
34D	216339GT	HARN DEUTZ ENGINE Z45-20 for models with Deutz D2011L03	1
34E	822049GT	HARNESS, Z45 DEUTZ D2.9 for models with Deutz D2.9 engines	1
35	217957GT	HARN, FUNCTION MANIFOLD,Z45IC	1
36	217782GT	HARN,SWING CHASSIS,Z45IC/Z51	1
37	110160GT	HARNESS,LS,D.E. Z45	1
38	217904GT	HARN BRAKE-MS ADAPTER CABLE	1
39	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	1
40	1271124GT	CONNECT BOX, PERK T4 EXT HARN Perkins replaced by 1329691GT	1
40B	1329691GT	CONNECT BOX, PERK T4 EXT HARNESS	1
41	822513GT	HARN,PERKINS 404F,6WAY EXT	1
42	1261298GT	HARNESS ASSY,GCON,PLAT PRTY	1
43-	1285811GT	KIT,TILT ALARM,IC MODELS from 53031	
43B-	1285689GT	INSTRUCTIONS,INSTALL (LEVEL SENSOR ALARM) for kit 1285811	
45	1255555GT	HARN,PBOX,OPA,HW,12V option	1
45B	1255030GT	PLUG,BLANKING	1

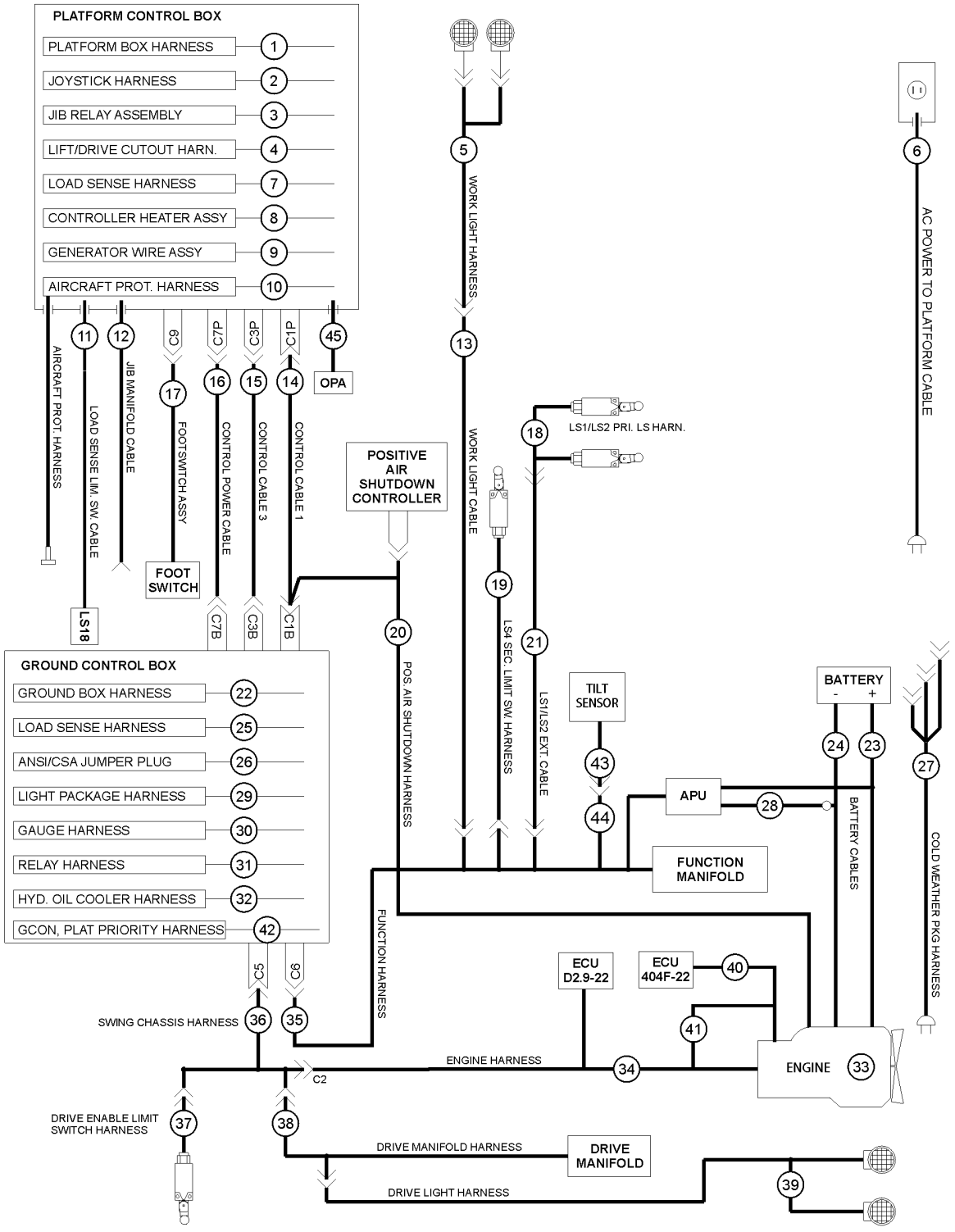
311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J



311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J

Item	Part No.	Description	Qty.
A	58253GT	KIT,REPAIR,DEUTSCH PLUG,W/TUBE (small kit)	
B	83129GT	CONNECTOR KIT,DEUTSCH*** (large kit)	
C	61794GT	CRIMPER,DEUTSCH,LIGHT DUTY*** (tool)	
1	1255661GT	HARNESS,PBOX,Z45IC to SN Z452515A-53480 and Z452515B-4518	1
1B	1262313GT	HARNESS, PBOX from SN Z452515A-53481 and Z452515B-4519	1
2	218781GT	HARNESS,JOYSTICK	1
3	219843GT	HARN,JIB OPTION,PBOX,Z45/Z51 to SN Z452515A-53480 and Z452515B-4518	1
3B	1262643GT	HARNESS, JIB OPTION from SN Z452515A-53481 and Z452515B-4519	1
4	219670GT	HARN,LIFT/DRIVE CUTOUT,Z45IC/Z51 to SN Z452515A-53480 and Z452515B-4518	1
4B	1262315GT	HARNESS, PBOX, LIFT/DRIVE from SN Z452515A-53481 and Z452515B-4519	1
5	T114627GT	HARNESS,12V WORK LIGHTS	1
6	30794GT	WIRE,12/3 SJEOW,BK-WH-GR/YL Z-45/25J	797-inches
7	218657GT	HARN,JUMPER,LOAD SENSE,PBOX to SN Z452515A-53480 and Z452515B-4518	1
7A-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
7B	1261296GT	HARNESS ASSY,PCON,LOAD SENSE from SN Z452515A-53481 and Z452515B-4519	
7B-	121843GT	RESISTOR,4.7K OHM,25 WATT	
7B-	121847GT	RELAY,TIME DELAY,2 SEC,30A	
8		ASSY,ALC500 HEATER,Z45/Z51 (219683) component no longer available	1
9	219672GT	HARNESS,GENERATOR,PBOX,Z45/51	1
10	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 to SN Z452515A-53480 and Z452515B-4518	1
10A-	27391GT	PROXIMITY SENSOR***	1
10B	1262314GT	HARNESS, PBOX, PROX KILL from SN Z452515A-53481 and Z452515B-4519	1
10B-	27391GT	PROXIMITY SENSOR***	1
11	147786GT	ASSY, LS, LOAD SENSE, 89 IN Z45/25, CE and Australia	1
11B	121848GT	ASSY,LS,LOAD SENSE,38.5 IN Z45/25J, CE and Australia	1
12	101080GT	HARNESS,JIB SELECT MANIFOLD	1
13	160554GT	HARN,CABLE,WORK LIGHTS,Z45 Z-45/25 and Z-45/25J	1

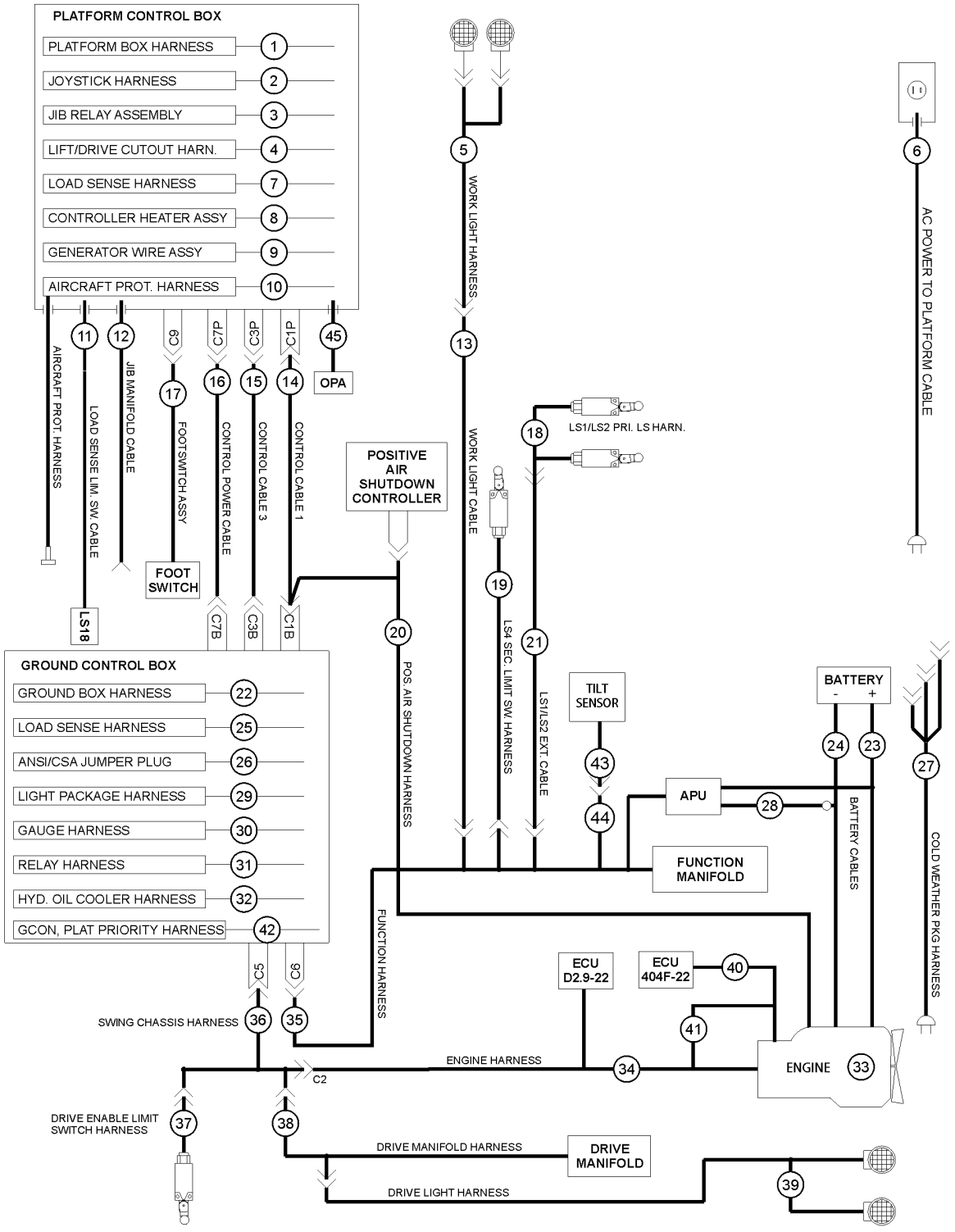
311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J



311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J

Item	Part No.	Description	Qty.
14	217896GT	HARNESS,CONTROL CABLE 1,JIB Z45/25J	1
15	217897GT	HARNESS,CONTROL CABLE 3,JIB Z45/25J	1
16	217898GT	HARN,CABLE,POWER TO PLAT,Z45J Z45/25J	1
17	227617GT	ASSEMBLY,FOOT SWITCH	1
18	88725GT	HARNESS,LS,PRIM/EXT	1
19	218684GT	HARNESS,LS SEC UP/DOWN	1
20	219681GT	HARN,POS. AIR SHUTDOWN,Z45IC (option)	1
21	218685GT	HARNESS,LS EXTEND PIGTAIL	1
22	1255662GT	HARNESS,GBOX,Z45IC for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines, to SN Z452515A-53480 and Z452515B-4518	1
22B	1262312GT	HARNESS, GBOX for models with Ford MSG-425, Deutz D2011L03 & Perkins 404D-22 engines, from SN Z452515A-53481 and Z452515B-4519	1
22B-	36899GT	SPLICE,PARALLEL,RED,INSULATED	
22B-	56445GT	DIODE,6 AMP 200 PIV,REEL	
22C	1255663GT	HARNESS,GBOX,T4,Z45 for models with Deutz D2.9 & Perkins 404F-22 engines	1
22C-	36899GT	SPLICE,PARALLEL,RED,INSULATED	
22C-	56445GT	DIODE,6 AMP 200 PIV,REEL	
23	218454GT	BATTERY CABLE,POSITIVE,RED	1
24	218455GT	BATTERY CABLE,NEGATIVE,BLACK	1
25	219305GT	HARNESS,JUMPER,LOAD SENSE,GBOX	1
26	88832GT	HARNESS,PLUG,NON-LOAD WEIGHING	1
27A	161078GT	ASSY,240V COLD WEATHER PKG. (option)	1
27B	161079GT	ASSY,120V COLD WEATHER PKG. (option)	1
28	218506GT	BATTERY CABLE,NEGATIVE,APU	1
29	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	1
30	219673GT	HARNESS,GAUGE,Z45/51	1
31	1255780GT	HARNESS,RELAY,GBOX,Z45IC for models with Deutz D2011L03 & Perkins 404D-22 engines	1
31B	1255781GT	HARNESS,RELAY,GBOX,Z45 GAS/LP for models with Ford MSG-425	1
31C	1255779GT	HARNESS ASSY,RELAY 404F,Z45 for models with Perkins 404F-22 engines	

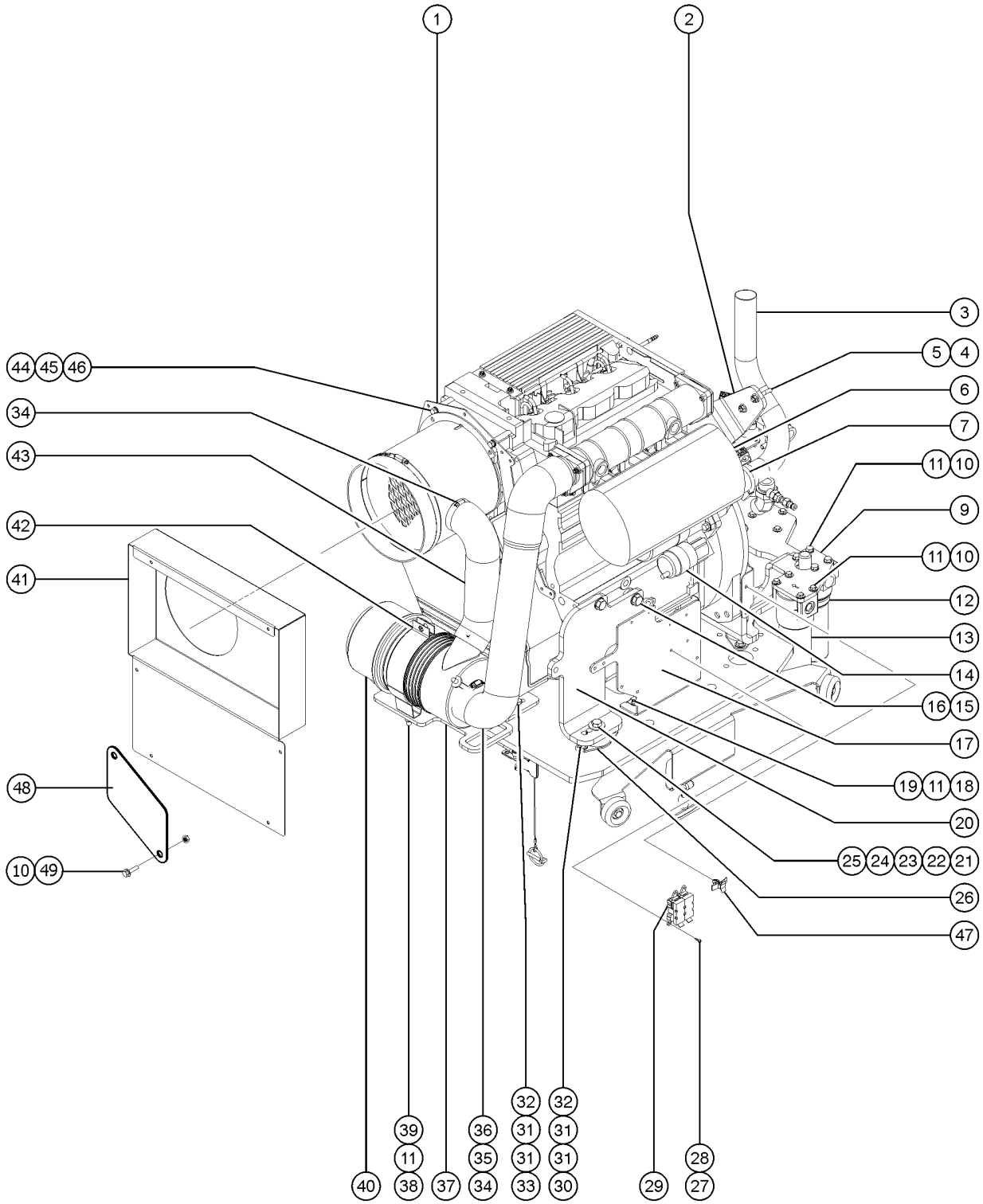
311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J



311.5 Wire Harness Diagram (from SN Z452515A-53160 and SN Z452515B-4451), Z-45/25J

Item	Part No.	Description	Qty.
31D	1255778GT	HARNESS ASSY,RELAY D.29,Z45 for models with Deutz D2.9L4 engines	
32	220234GT	HARNESS,RELAY,OIL COOLER (option)	1
33	160681GT	HARN,2ND GLOW PLUG,DTZ for models with Deutz D2011L03	1
34	217903GT	HARN FORD ENGINE Z45-2012 for models with Ford MSG-425	1
34B	217902GT	HARN PERKINS ENGINE Z45-2012 for models with Perkins 404D-22 engines	1
34C	822047GT	HARNESS, Z45 PERKINS 404F for models with Perkins 404F-22 engines	1
34D	216339GT	HARN DEUTZ ENGINE Z45-20 for models with Deutz D2011L03	1
34E	822049GT	HARNESS, Z45 DEUTZ D2.9 for models with Deutz D2.9 engines	1
35	217957GT	HARN, FUNCTION MANIFOLD,Z45IC	1
36	217782GT	HARN,SWING CHASSIS,Z45IC/Z51	1
37	110160GT	HARNESS,LS,D.E. Z45	1
38	217904GT	HARN BRAKE-MS ADAPTER CABLE	1
39	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	1
40	826710GT	HARNESS, EXTENSION, 404F-22 Perkins	1
41	822513GT	HARN,PERKINS 404F,6WAY EXT	1
42	1261298GT	HARNESS ASSY,GCON,PLAT PRTY	1
43	1285811GT	KIT,TILT ALARM,IC MODELS from 53031	
43B-	1285689GT	INSTRUCTIONS,INSTALL (LEVEL SENSOR ALARM) for kit 1285811	
45	1255555GT	HARN,PBOX,OPA,HW,12V option	1
45B	1255030GT	PLUG,BLANKING	1

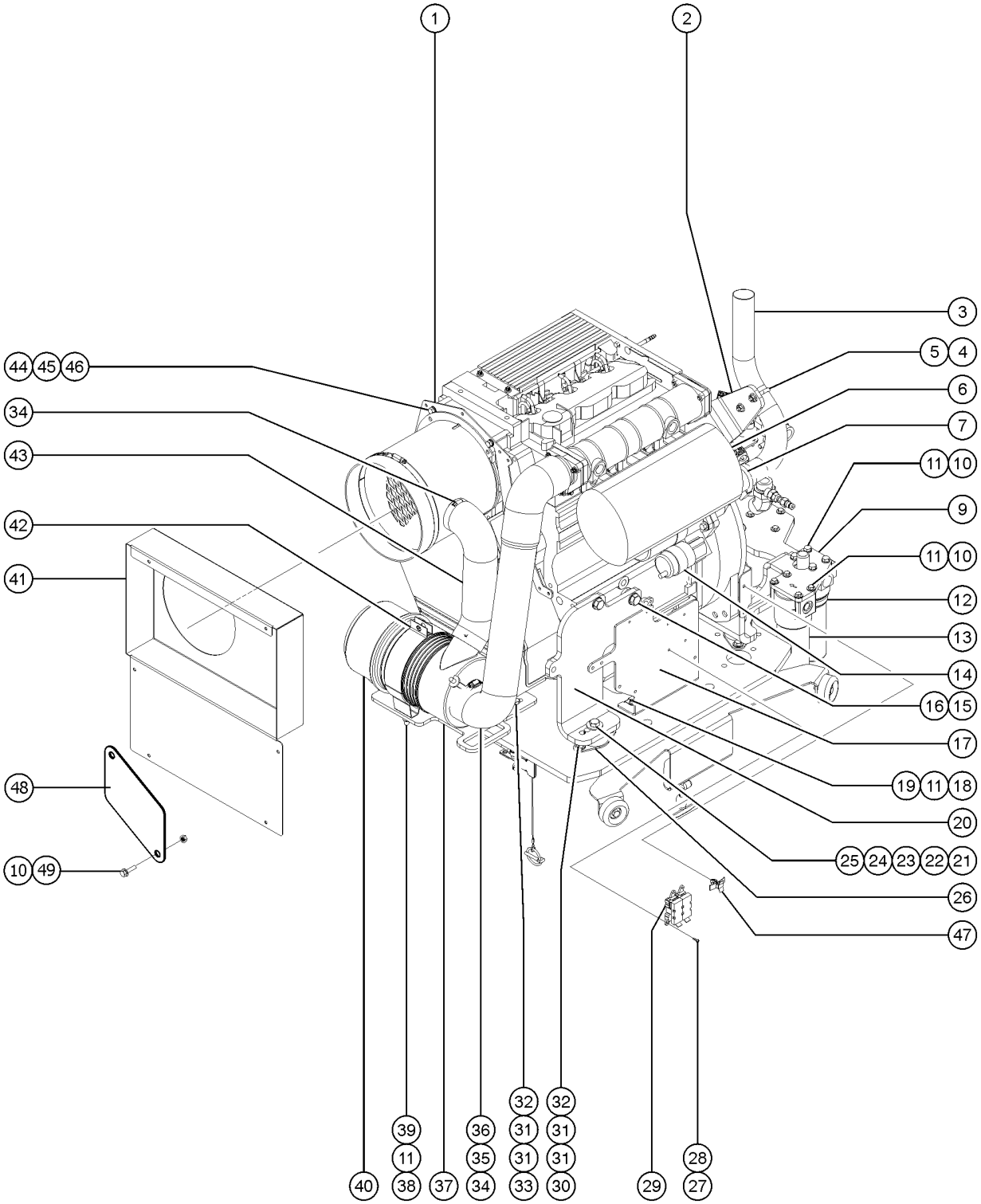
401.1 Deutz D2011L03i Engine, View 1



401.1 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
B-	35499GT	GUIDE RING,STANDARD	
C-	139624GT	SWITCH, OIL PRESSURE 1.5 BAR	
D-	111445GT	SENDING UNIT,OIL TEMP SWCH,DTZ	
E-	65849GT	CONNECTOR KIT, DEUTZ**	
E-	1259374GT	PIN, DEUTZ (FOR PN 65849) for 65849	
E-	1259375GT	PLUG, DEUTZ (FOR PN 65849) for 65849	
1	216340GT	MOUNTING BRKT.FRONT HARNESS	1
2	101138GT	BRACKET,MUFFLER,DEUTZ 3 CYL***	1
3	219668GT	EXHAUST PIPE, DEUTZ 3 CYL DSL	1
4	80391GT	U-BOLT,5/16 -18 X 2IN**	
5	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	
6	32695GT	MUFFLER,DEUTZ	1
6-	29559GT	GASKET,EXHAUST	
7	70385GT	CLAMP,EXHAUST,2.00 PLATED	1
8	6175GT	SCREW,HHC,3/8-16 X 1	
9	235654GT	FORMING,OIL FILTER BRACKET	1
10	6090GT	SCREW, HHC, 1/4-20 X .75	
11	6638GT	WASHER, FLAT, USS, 1/4"Y	
12	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1
12-	60857GT	FILTER,ELEMENT,BETA(5)=1000	
12-	58222GT	O-RING,FILTER ASSY (60334)***	
12-	58223GT	SEAL,FILTER ASSY (60334)***	
12-	58380GT	FILTER INDICATOR-(60334)	
13		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
13-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
13A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
13A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	

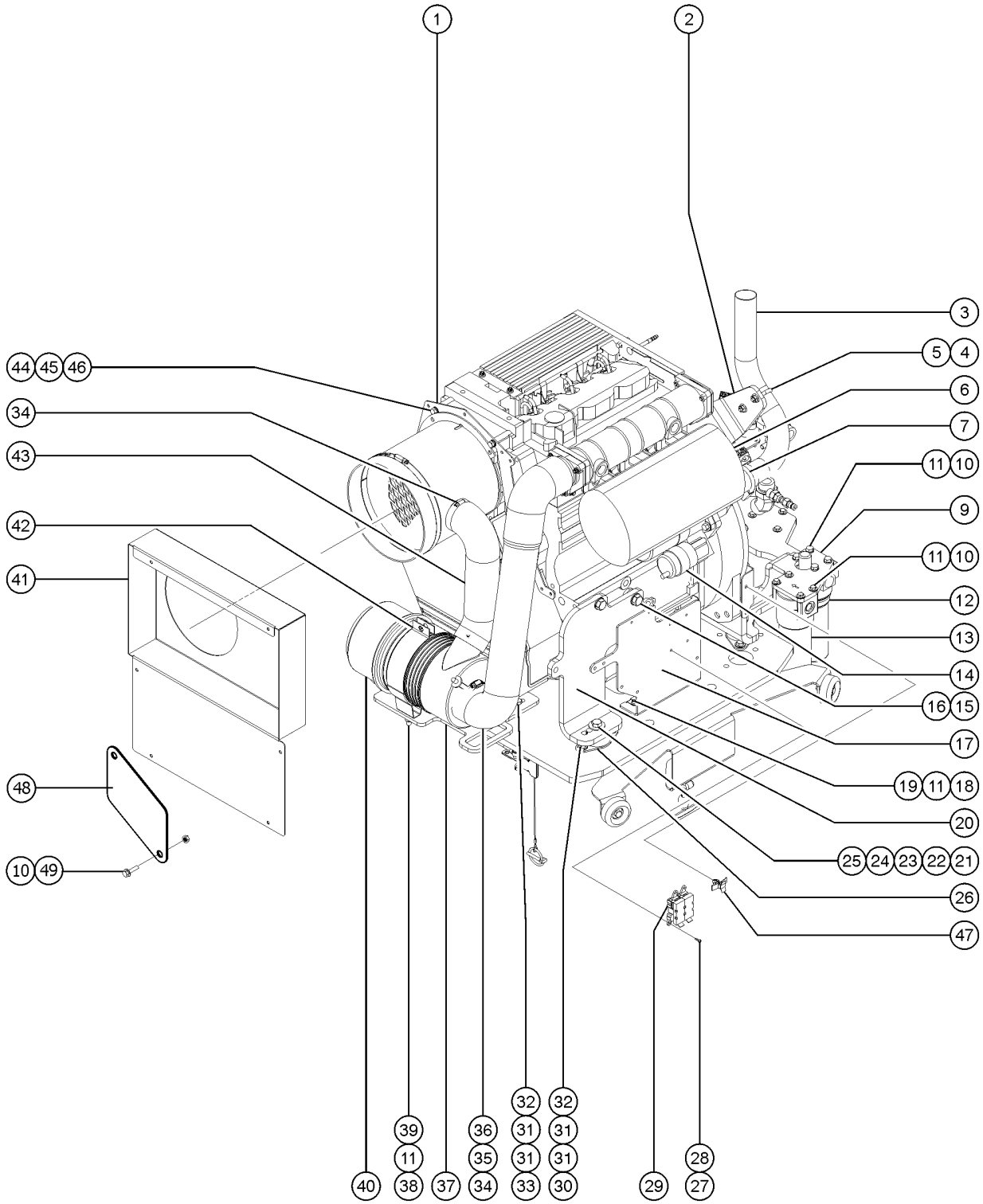
401.1 Deutz D2011L03i Engine, View 1



401.1 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
14	139709GT	STARTER, 12V	1
14-	139622GT	HEAT SHIELD,DEUTZ STARTER	
14-	139709GT	STARTER, 12V	
15	22558GT	SCREW,HHC,M14 X 40MM,GR 8.8	9
16	49411GT	WASHER,FLAT,M14	
17	216343GT	MOUNTING BRKT,ELECTRICAL PANEL	1
18	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	2
19	8915GT	SCREW, HHC, 1/4-20 X 1.25	
20	70461PGT	FORMING,ENGINE MOUNT,FL PAINT*	1
21	8357GT	SCREW, HHC, 1/2-13 X 3.5	
22	6095GT	WASHER,FLAT,USS,1/2",Y	
23	101729GT	WASHER,VIBRATION ISOLATING	
24	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
25	6198GT	NUT, NYLOCK, 1/2-13	
26	70452GT	ISOLATOR,ENGINE VIBRATION	4
27	56286GT	SCREW,RHM,8-32 X .75	
28	18605GT	NUT,NYLOCK,8-32	
29	218221GT	ASSY,FUSE BLOCK,LMI,1 POLE	1
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	
31	5397GT	WASHER, FLAT, USS, 5/16-18	
32	4828GT	NUT, NYLOCK, 3/8-16	
33	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	3
34	45435GT	CLAMP,HOSE,2.50"	3
35	70375GT	HOSE,AIR CLEANER	1
36	30971GT	CLAMP,HOSE,3.00"	1
37	120240GT	WELDMENT,AIR CLEANER BRACKET	1
38	13002GT	SCREW,HHC,5/16-18 X 1 GR5	
39	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	

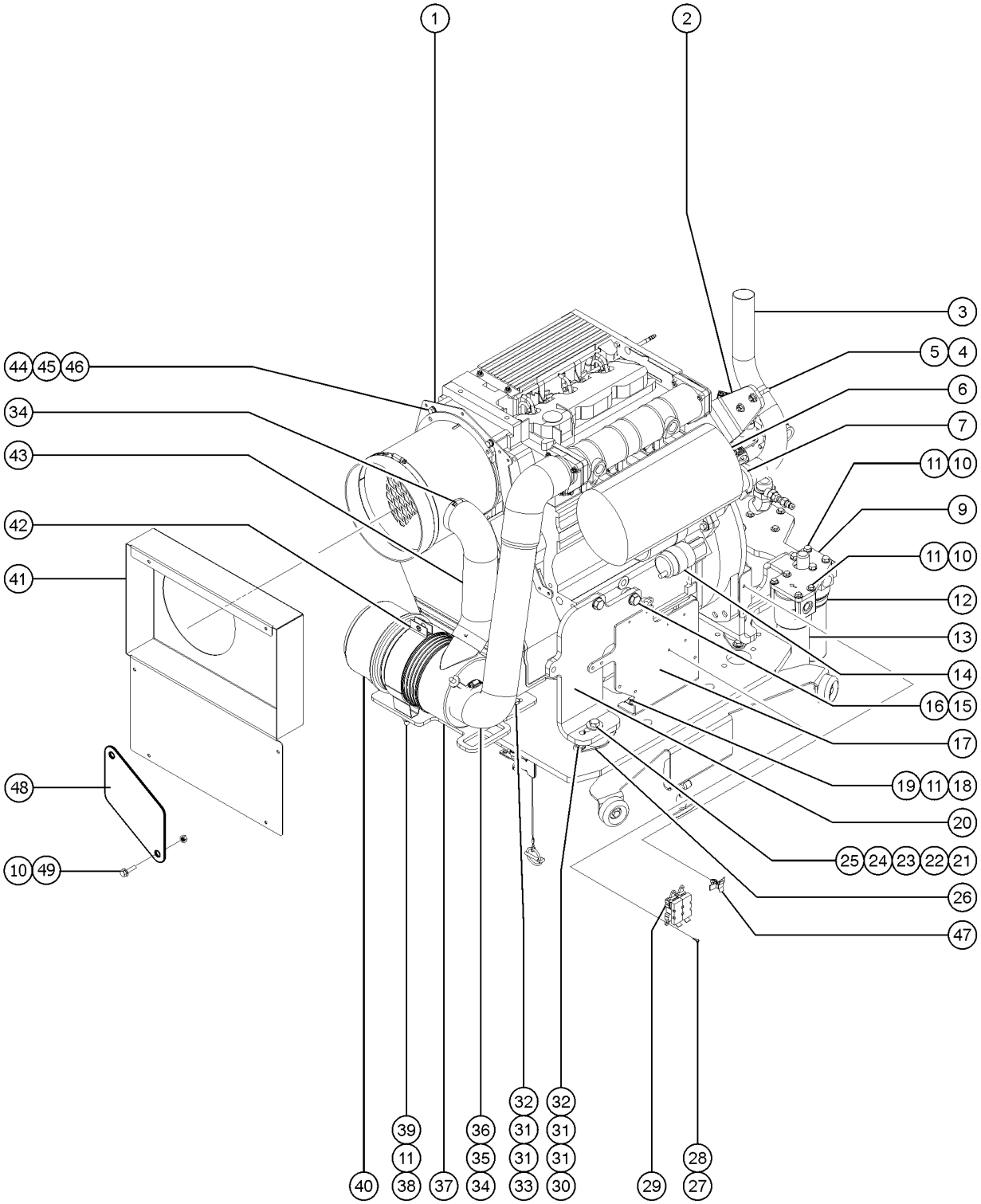
401.1 Deutz D2011L03i Engine, View 1



401.1 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
40	63463GT	AIR CLEANER,NELSON*** ..... plastic housing	1
40-	58415GT	CLIP,AIR CLEANER END CAP*** ..... end cap not available separately	
40-	62420GT	FILTER, AIR D2.9L4	
40-	65810GT	BAFFLE, AIR CLEANER (27915)**	
40-	52866GT	EVACUATOR VALVE-AIR CLEANER	
40-	53952GT	BRKT,AIR CLEANER ORIENTATION**	
41	235645GT	FORM,DEUTZ AIR INTAKE BAFFLE	1
42	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
43	101006GT	TUBE,AIR CLEANER INLET	1
44	49378GT	SCREW,HHC,M8 X 16	
45	49408GT	WASHER, LOCK, M8	
46	33277GT	WASHER,FLAT,M8,YELLOW ZINC	
47	105214GT	CABLE TIE MOUNT, WINGED	1
48	161717GT	COVER,PRECLEANER OPENING	1
49	6091GT	NUT,NYLOCK,1/4-20	2

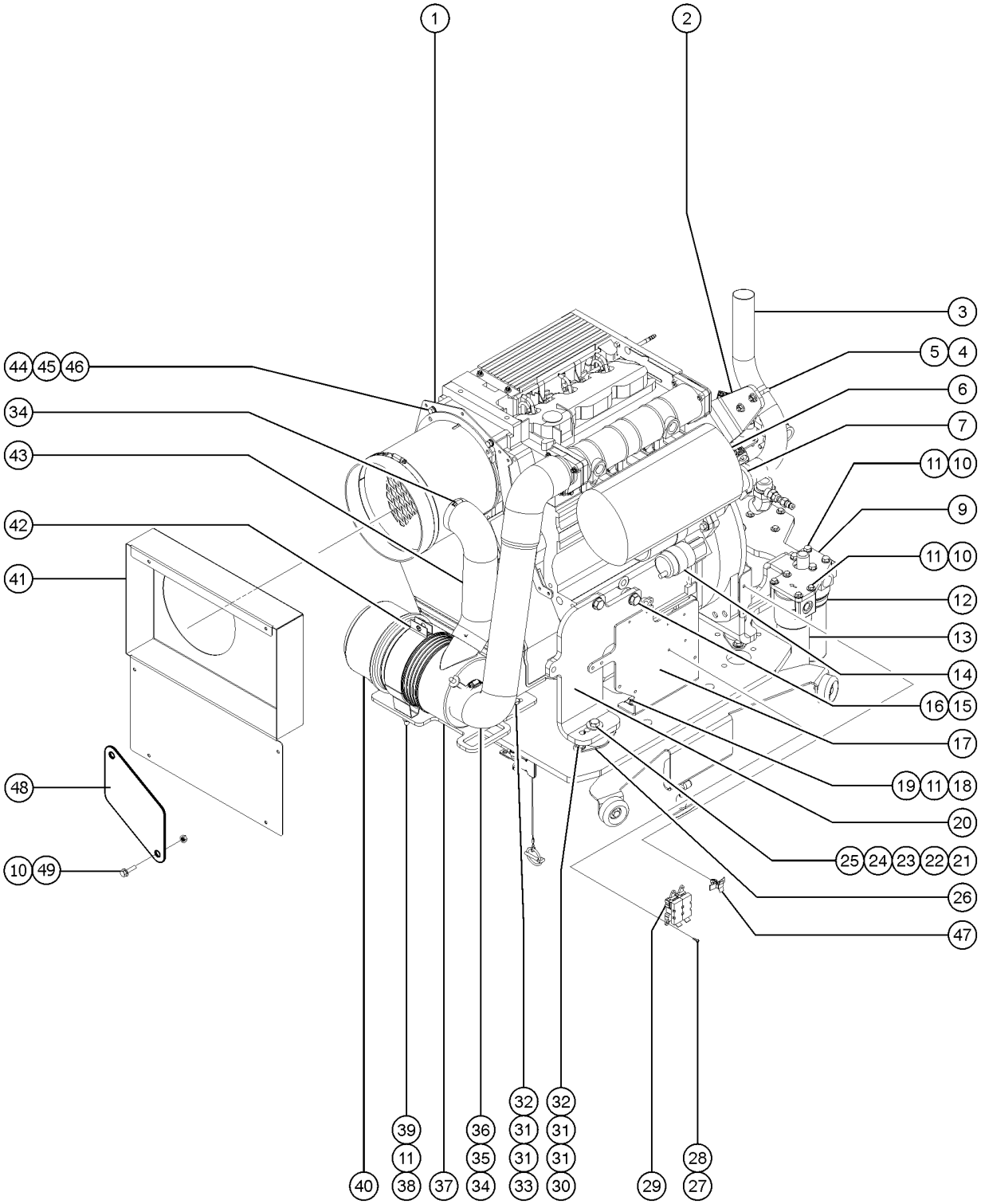
401.2 Deutz D2011L03i Engine, View 1



401.2 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
B-	35499GT	GUIDE RING,STANDARD	
C-	139624GT	SWITCH, OIL PRESSURE 1.5 BAR	
D-	111445GT	SENDING UNIT,OIL TEMP SWCH,DTZ	
E-	65849GT	CONNECTOR KIT, DEUTZ**	
E-	1259374GT	PIN, DEUTZ (FOR PN 65849) for 65849	
E-	1259375GT	PLUG, DEUTZ (FOR PN 65849) for 65849	
1	216340GT	MOUNTING BRKT.FRONT HARNESS	1
2	101138GT	BRACKET,MUFFLER,DEUTZ 3 CYL***	1
3	219668GT	EXHAUST PIPE, DEUTZ 3 CYL DSL	1
4	80391GT	U-BOLT,5/16 -18 X 2IN**	
5	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	
6	32695GT	MUFFLER,DEUTZ	1
6-	29559GT	GASKET,EXHAUST	
7	70385GT	CLAMP,EXHAUST,2.00 PLATED	1
8	6175GT	SCREW,HHC,3/8-16 X 1	
9	235654GT	FORMING,OIL FILTER BRACKET	1
10	6090GT	SCREW, HHC, 1/4-20 X .75	
11	6638GT	WASHER, FLAT, USS, 1/4"Y	
12	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1
12-	60857GT	FILTER,ELEMENT,BETA(5)=1000	
12-	58222GT	O-RING,FILTER ASSY (60334)***	
12-	58223GT	SEAL,FILTER ASSY (60334)***	
12-	58380GT	FILTER INDICATOR-(60334)	
13		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
13-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
13A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
13A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	

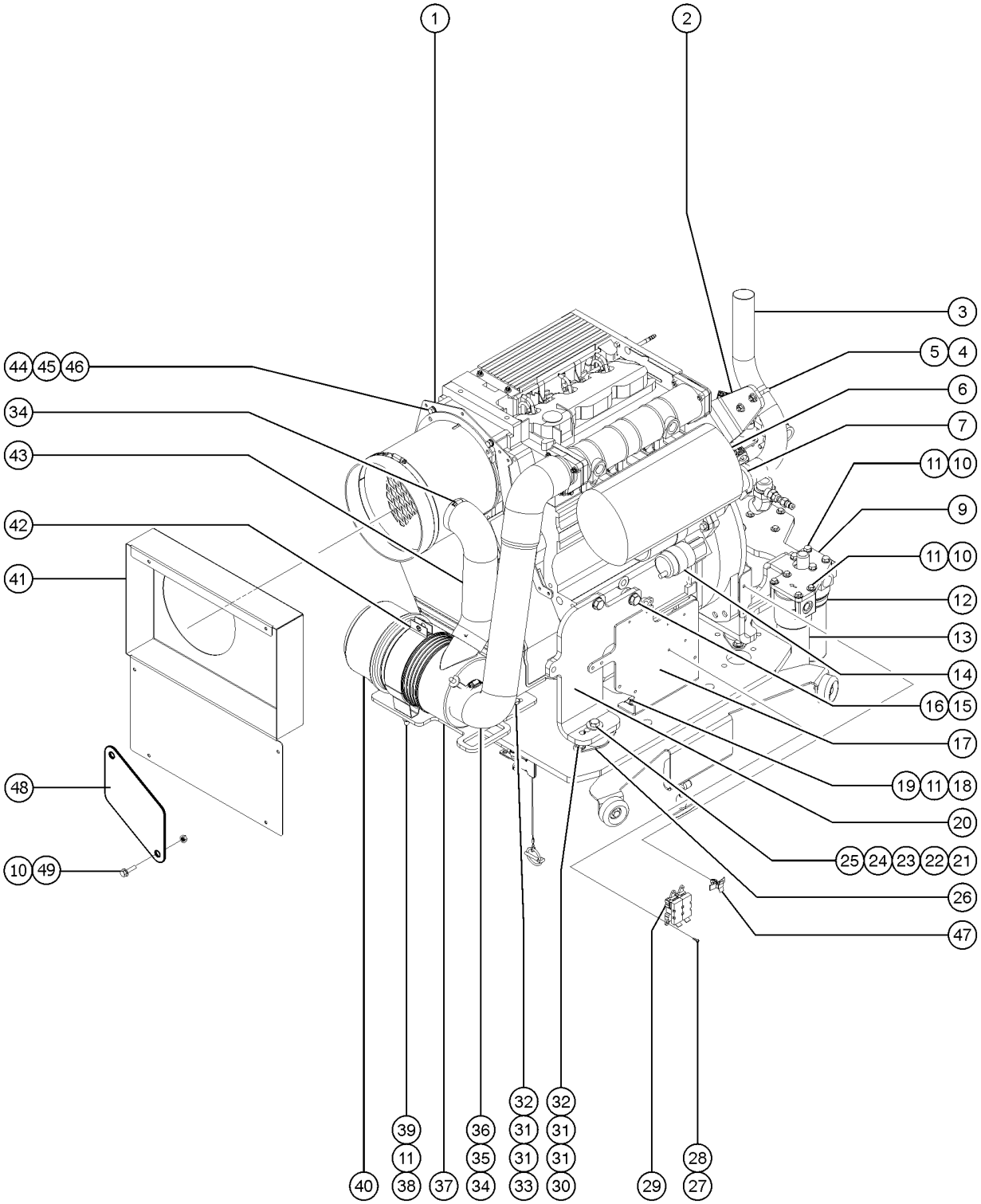
401.2 Deutz D2011L03i Engine, View 1



401.2 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
14	139709GT	STARTER, 12V	1
14-	139622GT	HEAT SHIELD,DEUTZ STARTER	
14-	139709GT	STARTER, 12V	
15	22558GT	SCREW,HHC,M14 X 40MM,GR 8.8	9
16	49411GT	WASHER,FLAT,M14	
17	216343GT	MOUNTING BRKT,ELECTRICAL PANEL	1
18	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	2
19	8915GT	SCREW, HHC, 1/4-20 X 1.25	
20	70461PGT	FORMING,ENGINE MOUNT,FL PAINT*	1
21	8357GT	SCREW, HHC, 1/2-13 X 3.5	
22	6095GT	WASHER,FLAT,USS,1/2",Y	
23	101729GT	WASHER,VIBRATION ISOLATING	
24	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
25	6198GT	NUT, NYLOCK, 1/2-13	
26	70452GT	ISOLATOR,ENGINE VIBRATION	4
27	56286GT	SCREW,RHM,8-32 X .75	
28	18605GT	NUT,NYLOCK,8-32	
29	218221GT	ASSY,FUSE BLOCK,LMI,1 POLE	1
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	
31	5397GT	WASHER, FLAT, USS, 5/16-18	
32	4828GT	NUT, NYLOCK, 3/8-16	
33	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	3
34	45435GT	CLAMP,HOSE,2.50"	3
35	70375GT	HOSE,AIR CLEANER	1
36	30971GT	CLAMP,HOSE,3.00"	1
37	120240GT	WELDMENT,AIR CLEANER BRACKET	1
38	13002GT	SCREW,HHC,5/16-18 X 1 GR5	
39	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	

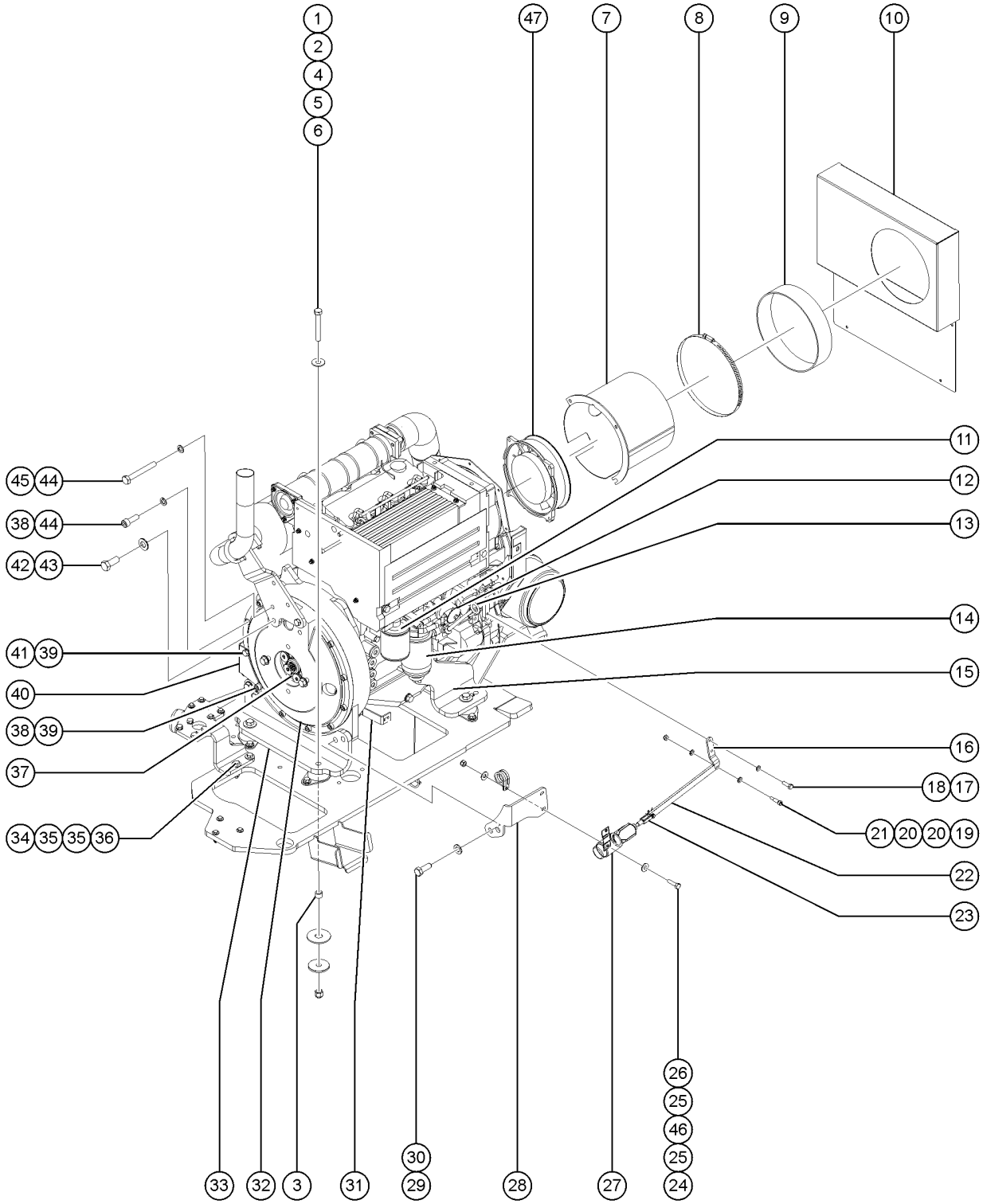
401.2 Deutz D2011L03i Engine, View 1



401.2 Deutz D2011L03i Engine, View 1

Item	Part No.	Description	Qty.
40	63463GT	AIR CLEANER,NELSON***	1
40-	62420GT	FILTER, AIR D2.9L4	
40-	58415GT	CLIP,AIR CLEANER END CAP***	
40-	53952GT	BRKT,AIR CLEANER ORIENTATION**	
40-	65810GT	BAFFLE, AIR CLEANER (27915)**	
41	235645GT	FORM,DEUTZ AIR INTAKE BAFFLE	1
42	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
43	101006GT	TUBE,AIR CLEANER INLET	1
44	49378GT	SCREW,HHC,M8 X 16	
45	49408GT	WASHER, LOCK, M8	
46	33277GT	WASHER,FLAT,M8,YELLOW ZINC	
47	105214GT	CABLE TIE MOUNT, WINGED	1

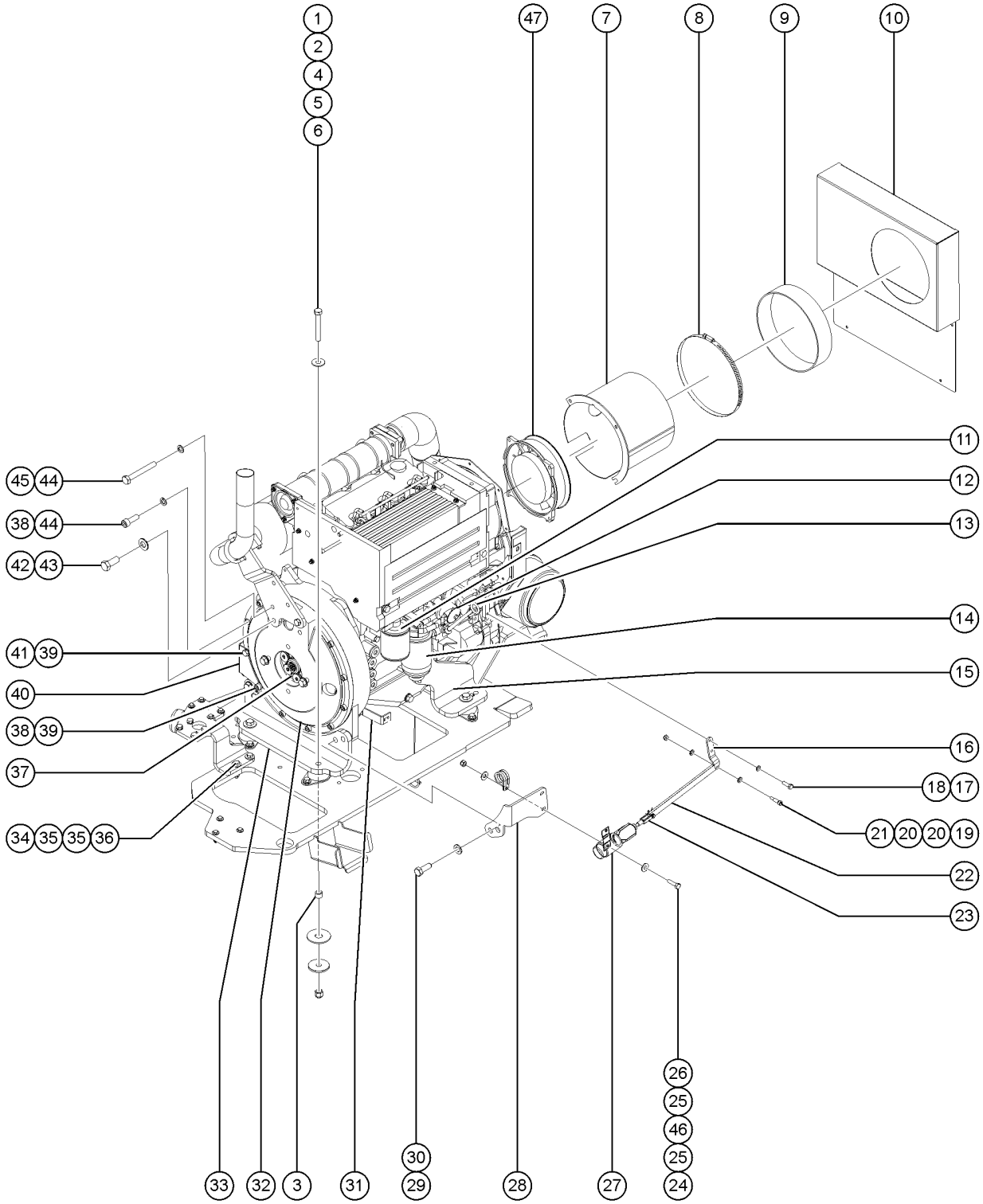
402.1 Deutz D2011L03i Engine, View 2



402.1 Deutz D2011L03i Engine, View 2

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
1	8357GT	SCREW, HHC, 1/2-13 X 3.5	
2	6095GT	WASHER,FLAT,USS,1/2",Y	
3	219991GT	SPACER,19.1 OD X 13.5 ID X 15.9	4
4	101729GT	WASHER,VIBRATION ISOLATING	
5	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
6	6198GT	NUT, NYLOCK, 1/2-13	
7	101140GT	WELDMENT, AIR INTAKE TUBE	1
8	31523GT	CLAMP,HOSE,8.50 DIA***	1
9	33239GT	WELDMENT, AIR INTAKE TUBE	1
10	235645GT	FORM,DEUTZ AIR INTAKE BAFFLE	1
11	49924GT	FILTER,OIL,DEUTZ Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.	1
11-	1255653GT	FILTER,OIL,DEUTZ,REPLACEMENT Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.	1
12	111668GT	PUMP,FUEL 2011 DEUTZ ***	1
13	52352GT	DIPSTICK-F3L1011F (DEUTZ)	1
14	29560GT	FILTER,FUEL/WTR SEP, DTZ 1008 Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.	1
14-	1254826GT	FUEL FILTER W/SEP,DEUTZ,1008 Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.	1
15	70460PGT	FORMING,ENGINE MOUNT,FR PAINT*	1
16	50787-SGT	LEVER, GOVERNOR ACTUATOR	1
17	22578GT	SCREW,HHC,M6 X 20MM,GR8.8	
18	49407GT	WASHER,LOCK,M6	
19	6584GT	SCREW,SHS,10-24 X .625	
20	25926GT	WASHER,FLAT,M6 PLTD.	
21	5365GT	NUT,NYLOCK,10-24	
22	94485GT	THROTTLE LINKAGE,DIESEL***	1
23	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
24	6888GT	SCREW, HHC, 1/4-20 X 1	
25	6638GT	WASHER, FLAT, USS, 1/4"Y	

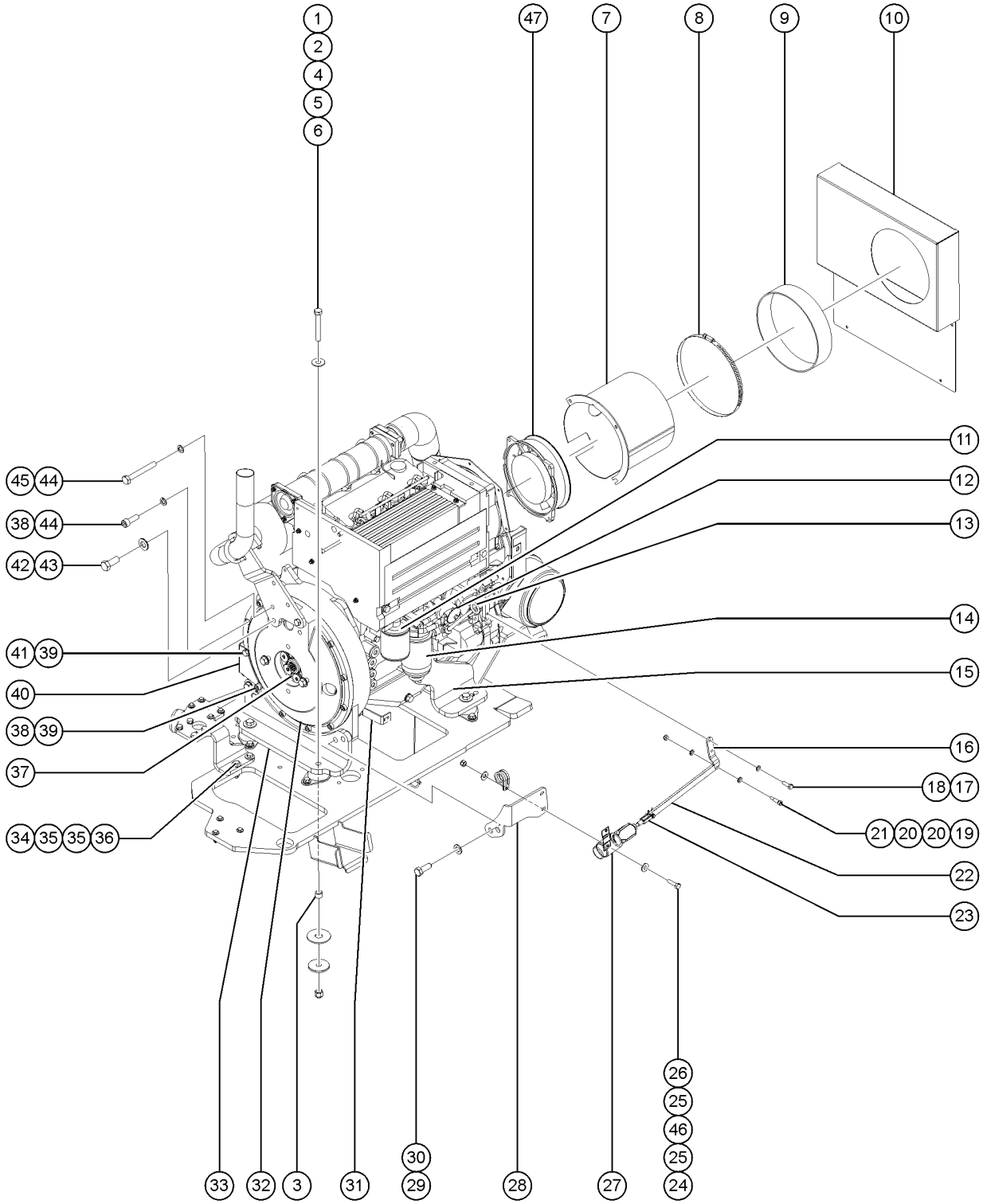
402.1 Deutz D2011L03i Engine, View 2



402.1 Deutz D2011L03i Engine, View 2

Item	Part No.	Description	Qty.
26	6091GT	NUT,NYLOCK,1/4-20	
27	77402GT	SOLENOID,THROTTLE ACTUATOR DSL assy 161087	1
28	101129GT	BRACKET,SOLENOID MOUNT	1
29	22558GT	SCREW,HHC,M14 X 40MM,GR 8.8	9
30	49411GT	WASHER,FLAT,M14	
31	77245GT	BRACKET,SOLENOID MOUNT BRACE**	1
32	70381GT	COVER,FLYWHEEL CASTING	1
33	214846GT	FORMING,REAR ENGINE MOUNT	2
34	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
35	6097GT	WASHER, FLAT, USS, 3/8", Y	
36	4828GT	NUT, NYLOCK, 3/8-16	
37	128004GT	COUPLER,15 TOOTH,FBA,SAE8***	1
38	61110GT	SCREW,SHC,M10X1.5X30 GR 12.9	9
39	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
40	216341GT	MOUNT BRKT,POS.BATTERY CABLE	1
41	25548GT	SCREW,HHC,M10 X 40MM,GRD8	1
42	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
43	13066GT	WASHER,FLAT,.5 HARDENED	
44	22700GT	WASHER,LOCK,M10	
45	67631GT	SCREW,HHC,M10 X 80 GR 8.8	2
46	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
47	35586GT	ALTERNATOR, DEUTZ F3L10/F4L10*	1

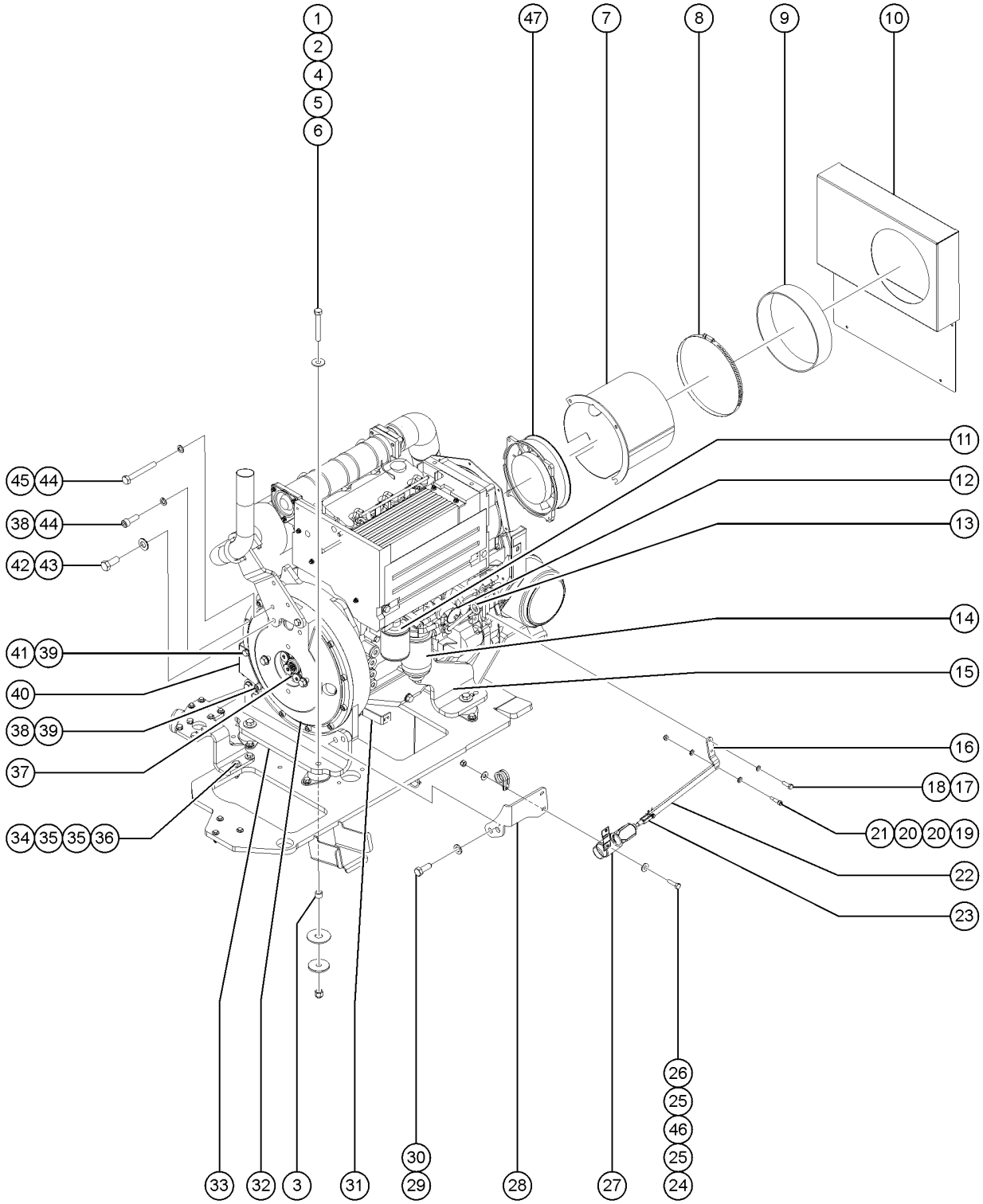
402.2 Deutz D2011L03i Engine, View 2



402.2 Deutz D2011L03i Engine, View 2

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
1	8357GT	SCREW, HHC, 1/2-13 X 3.5	
2	6095GT	WASHER,FLAT,USS,1/2",Y	
3	219991GT	SPACER,19.1 OD X 13.5 ID X 15.9	4
4	101729GT	WASHER,VIBRATION ISOLATING	
5	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
6	6198GT	NUT, NYLOCK, 1/2-13	
7	101140GT	WELDMENT, AIR INTAKE TUBE	1
8	31523GT	CLAMP,HOSE,8.50 DIA***	1
9	33239GT	WELDMENT, AIR INTAKE TUBE	1
10	235645GT	FORM,DEUTZ AIR INTAKE BAFFLE	1
11	49924GT	FILTER,OIL,DEUTZ Genie Genuine Part. See PN 1255653 for compatible aftermarket replacement.	1
11-	1255653GT	FILTER,OIL,DEUTZ,REPLACEMENT Genie Aftermarket Part. Compatible with Genie Genuine Part 49924.	1
12	111668GT	PUMP,FUEL 2011 DEUTZ ***	1
13	52352GT	DIPSTICK-F3L1011F (DEUTZ)	1
14	29560GT	FILTER,FUEL/WTR SEP, DTZ 1008 Genie Genuine Part. See PN 1254826 for compatible aftermarket replacement.	1
14-	1254826GT	FUEL FILTER W/SEP,DEUTZ,1008 Genie Aftermarket Part. Filter for Deutz F3L 1011F Engine.	1
15	70460PGT	FORMING,ENGINE MOUNT,FR PAINT*	1
16	50787-SGT	LEVER, GOVERNOR ACTUATOR	1
17	22578GT	SCREW,HHC,M6 X 20MM,GR8.8	
18	49407GT	WASHER,LOCK,M6	
19	6584GT	SCREW,SHS,10-24 X .625	
20	25926GT	WASHER,FLAT,M6 PLTD.	
21	5365GT	NUT,NYLOCK,10-24	
22	94485GT	THROTTLE LINKAGE,DIESEL***	1
23	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN includes clevis pin and cotter pin	1
24	6888GT	SCREW, HHC, 1/4-20 X 1	
25	6638GT	WASHER, FLAT, USS, 1/4"Y	

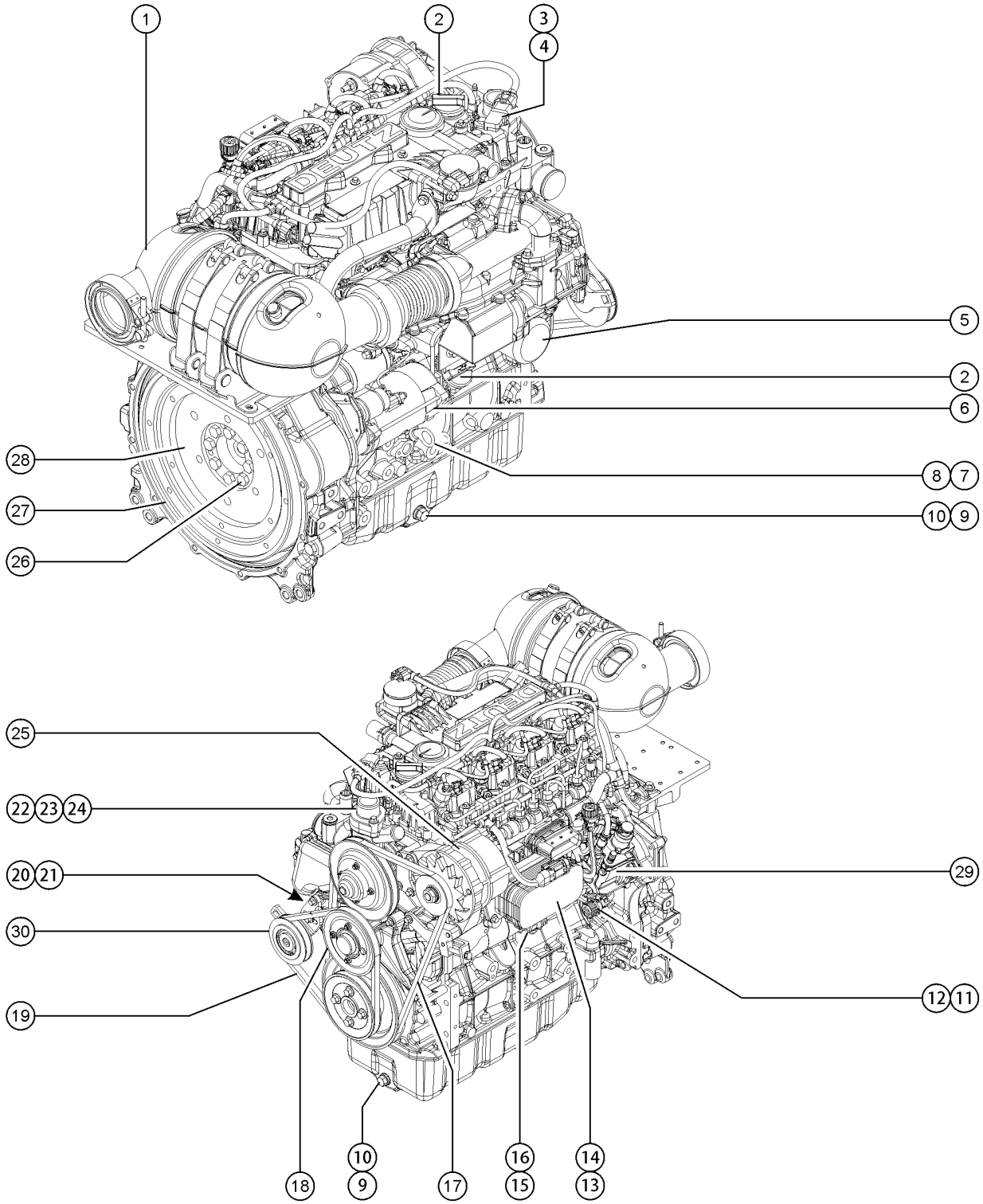
402.2 Deutz D2011L03i Engine, View 2



402.2 Deutz D2011L03i Engine, View 2

Item	Part No.	Description	Qty.
26	6091GT	NUT,NYLOCK,1/4-20	
27	77402GT	SOLENOID,THROTTLE ACTUATOR DSL assy 161087	1
28	101129GT	BRACKET,SOLENOID MOUNT	1
29	22558GT	SCREW,HHC,M14 X 40MM,GR 8.8	9
30	49411GT	WASHER,FLAT,M14	
31	77245GT	BRACKET,SOLENOID MOUNT BRACE**	1
32	70381GT	COVER,FLYWHEEL CASTING	1
33	214846GT	FORMING,REAR ENGINE MOUNT	2
34	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
35	6097GT	WASHER, FLAT, USS, 3/8", Y	
36	4828GT	NUT, NYLOCK, 3/8-16	
37	128004GT	COUPLER,15 TOOTH,FBA,SAE8***	1
38	61110GT	SCREW,SHC,M10X1.5X30 GR 12.9	9
39	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
40	216341GT	MOUNT BRKT,POS.BATTERY CABLE	1
41	25548GT	SCREW,HHC,M10 X 40MM,GRD8	1
42	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
43	13066GT	WASHER,FLAT,.5 HARDENED	
44	22700GT	WASHER,LOCK,M10	
45	67631GT	SCREW,HHC,M10 X 80 GR 8.8	2
46	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
47	35586GT	ALTERNATOR, DEUTZ F3L10/F4L10*	1

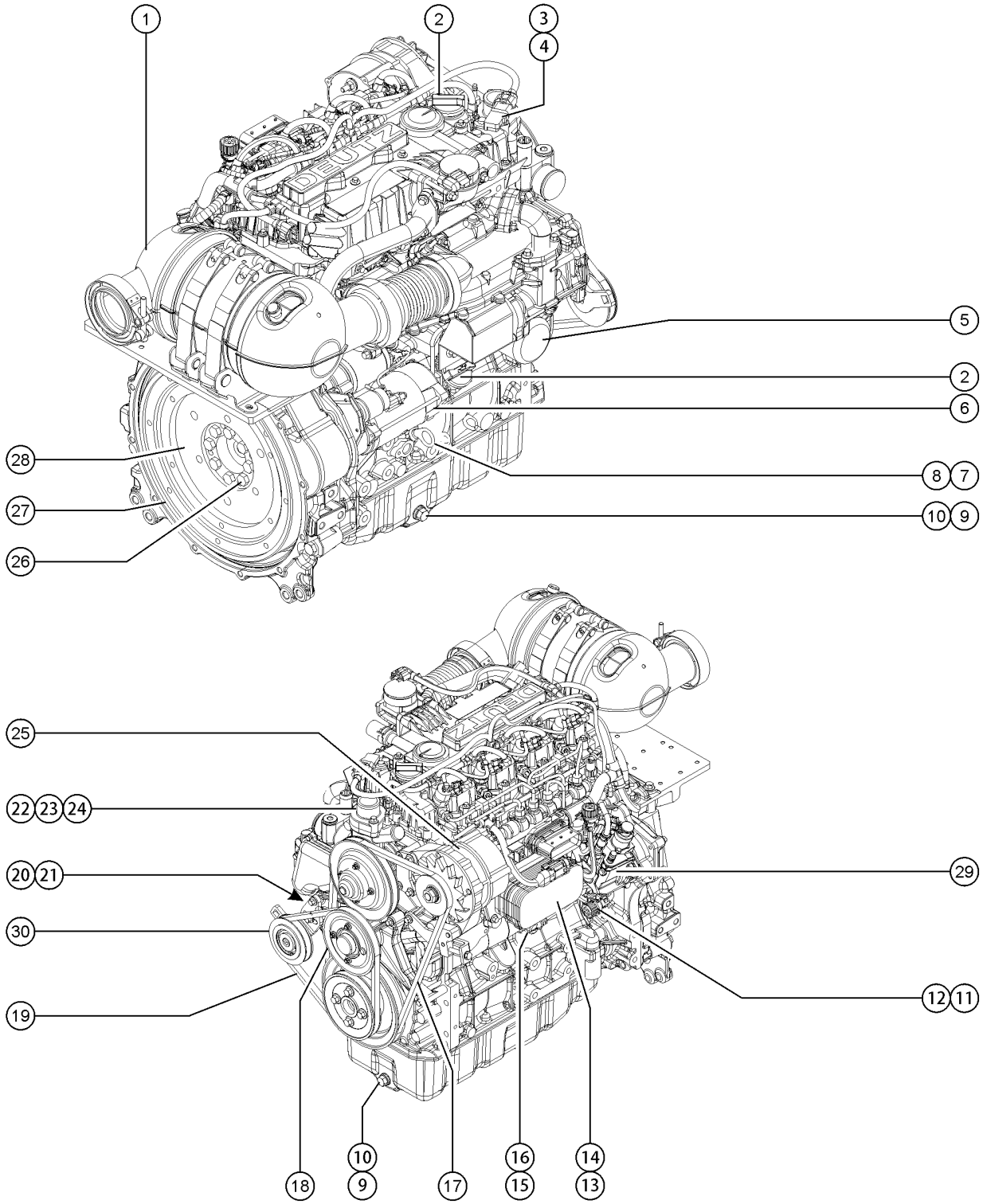
403.1 Deutz D2.9L4 Engine, View 1



403.1 Deutz D2.9L4 Engine, View 1

Item	Part No.	Description	Qty.
A-	237188GT	ENGINE KIT, DEUTZ D2.9L4 Due to Tier 4 regulations, many engine replacement parts require the engine serial number at time of order placement. When ordering engine parts please have both machine and engine serial numbers available. For internal engine parts, contact engine dealer	
B-	1259717GT	MANUAL, DEUTZ D2.9 ENGINE	1
C-	1262870GT	GLOW PLUG, DEUTZ	4
D-	1262871GT	SEAL, FRONT ENGINE,DEUTZ	1
E-	1262872GT	SEAL, REAR ENGINE,DEUTZ	1
F-	1272624GT	KIT,WATER PUMP 2.9 L4 includes fasteners and 1262874 pump	1
F-	1289895GT	WASHER,WATER PUMP (1272624) for 1272624	
G-	1262875GT	O-RING, WATER PUMP	1
H-	1259654GT	INTAKE BREATHER	1
K-	1277974GT	PINS,CONNECTOR,INJ HARNESS,D2.9	
1	1262890GT	OXIDATION CATALYST,DEUTZ (diesel oxygen catalyst/muffler)(contact Genie Parts; engine serial number required)	
2	29557GT	CAP,OIL FILLER,DEUTZ,DIESEL***	2
3	1262896GT	SENSOR,INTAKE AIR PRESSURE	1
4	1262897GT	O-RING, INTAKE AIR PRESSURE SENSOR	1
5	49924GT	FILTER,OIL,DEUTZ	1
6	1254594GT	STARTER,3.2KW,DEUTZ D2.9	1
6-	1262868GT	BOLT, DEUTZ STARTER not included sold seperately	
7	825708GT	DIPSTICK,TD2.9	1
8	1262881GT	ORING, OIL DIP STICK	1
9	102587GT	PLUG,ENGINE OIL,DEUTZ F4L2011	2
10	108538GT	RING / SEALING	2
11	1262894GT	SENSOR,CAM/CRANKSHAFT POSITION (crankshaft)	1
12	1262895GT	O-RING, CRANKSHAFT POSITION SENSOR	1
13	1260357GT	OIL COOLER,TD2.9	1
14	1262883GT	GASKET, OIL COOLER, DEUTZ	1
15	824673GT	SENSOR,LOW PRESSURE,DEUTZ 2.9L	1
16	1262893GT	O-RING, OIL PRESSURE SENSOR	1

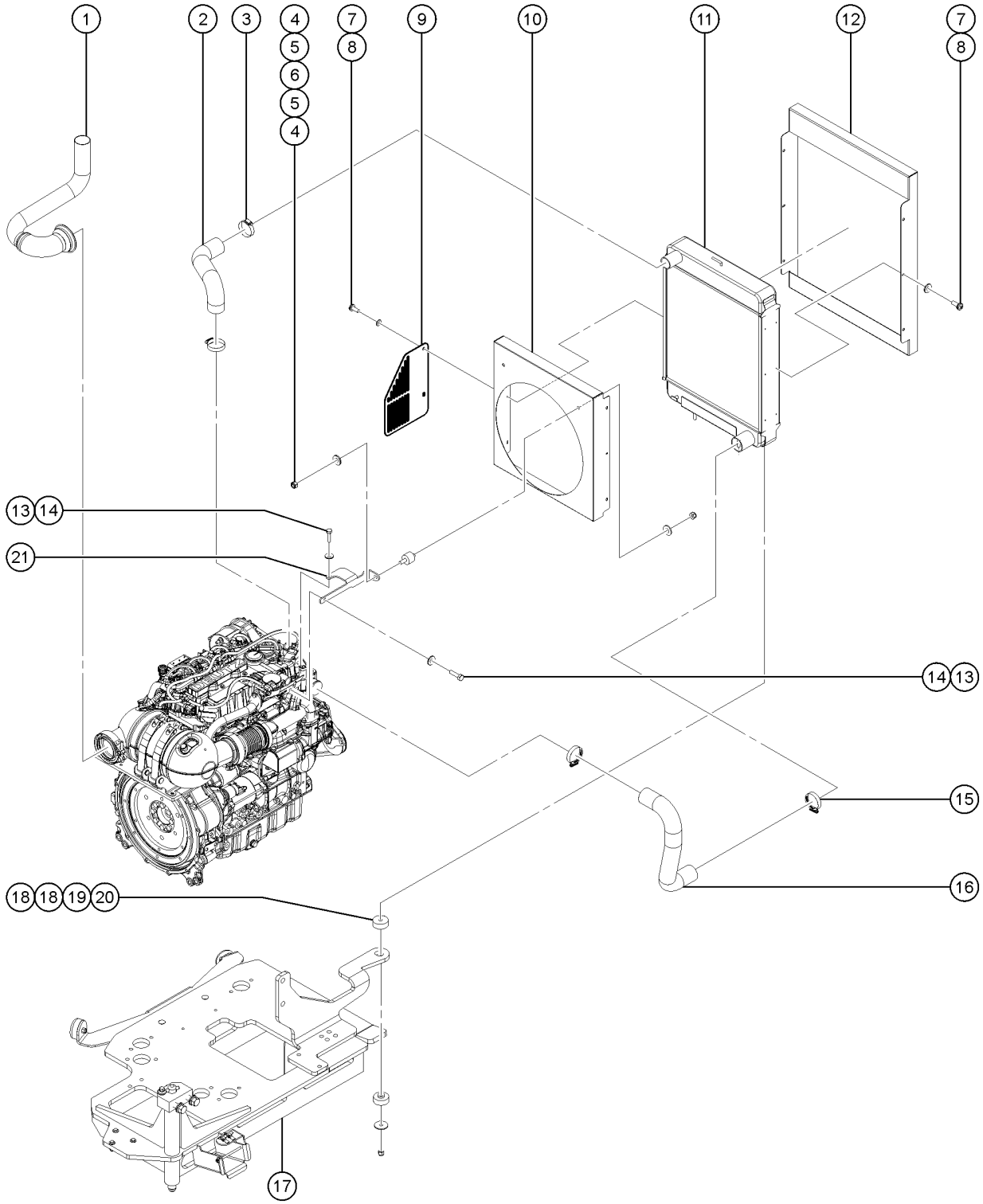
403.1 Deutz D2.9L4 Engine, View 1



403.1 Deutz D2.9L4 Engine, View 1

Item	Part No.	Description	Qty.
17	1262866GT	FAN BELT, ALTERANTOR	1
18	236248GT	PULLEY ASSEMBLY,ALTERNATOR,TCD	1
19	1262867GT	V-BELT, DEUTZ	1
20	1262894GT	SENSOR,CAM/CRANKSHAFT POSITION hidden from view (camshaft)	1
21	1262899GT	O-RING, CAMSHAFT POSITION SENSOR hidden from view	1
22	1262877GT	THERMOSTAT HOUSING	1
23	1262876GT	THERMOSTAT,DEUTZ	1
24	1262878GT	GASKET, THERMOSTAT HOUSING	1
25	236251GT	ALTERNATOR,95 AMP,DEUTZ TCD3.6	1
26	1262873GT	BOLT, DEUTZ FLYWHEEL	8
27	89785GT	RING GEAR,DEUTZ F3L2011F	1
28	1259660GT	FLYWHEEL, SAE 8/10 order with item #26, PN 1262873, qty 8	1
29	1279653GT	PUMP,FUEL,HI PRESS,DEUTZ TD2.9	1
30	1279631GT	PULLEY,BELT TENSIONER,D2.9L4	1

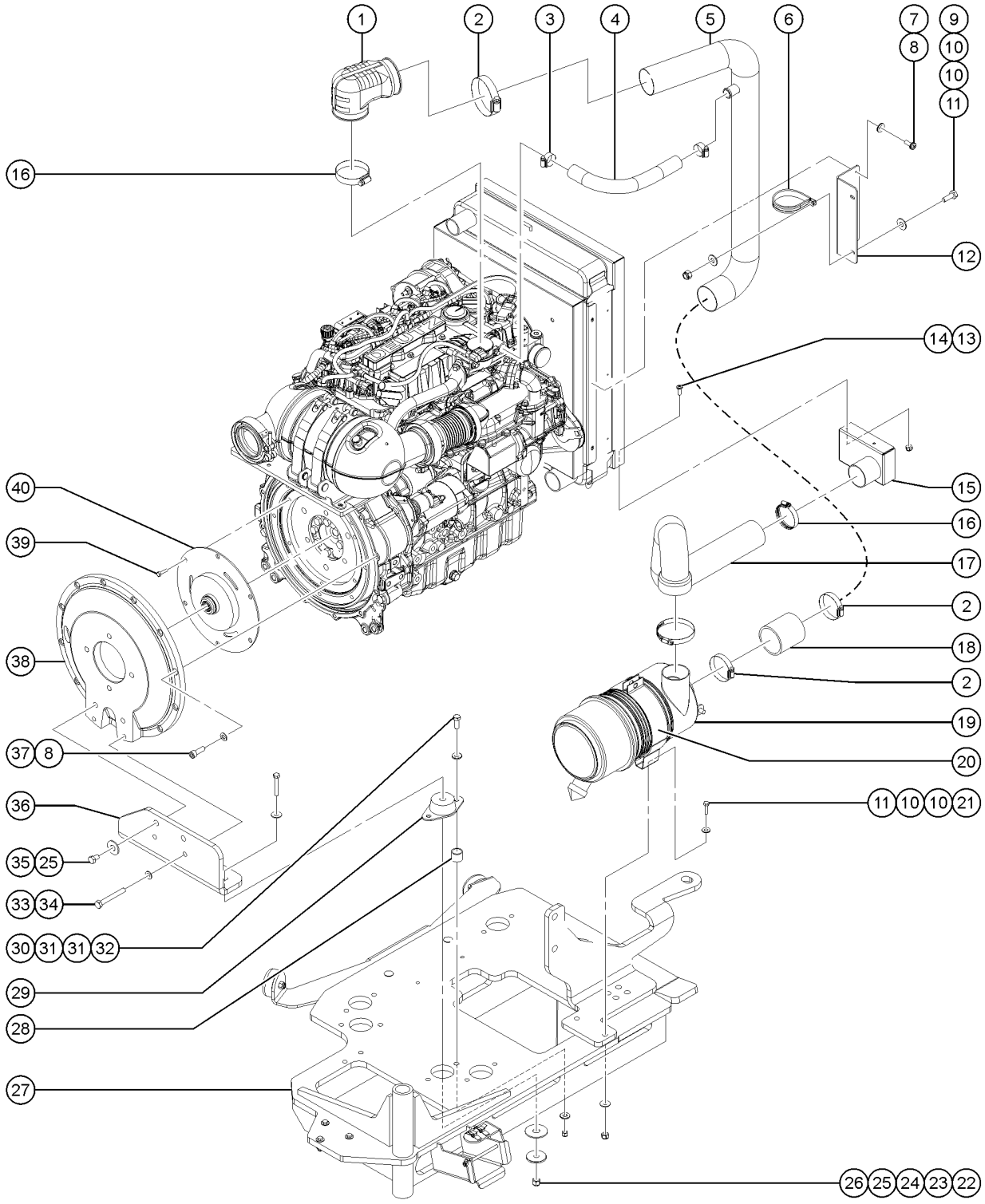
404.1 Deutz D2.9L4 Engine, View 2



404.1 Deutz D2.9L4 Engine, View 2

Item	Part No.	Description	Qty.
-		Due to Tier 4 regulations, many engine replacement parts require the engine serial number at time of order placement. When ordering engine parts please have both machine and engine serial numbers available. For internal engine parts, contact engine dealer	
A	237188GT	ENGINE KIT, DEUTZ D2.9L4	
A-	1254594GT	STARTER,3.2KW,DEUTZ D2.9 no sub-components available	1
A-	49924GT	FILTER,OIL,DEUTZ	1
A-	1257838GT	HARNESS,INJECTOR,DEUTZ D2.9	1
1	217744GT	EXHAUST PIPE,DEUTZ D2.9,Z45	1
2	237193GT	HOSE,UPPER RADIATOR,DEUTZ D2.9	1
3	22672GT	CLAMP,HOSE,1.75	2
4	6782GT	NUT, NYLOCK, 5/16-18	
5	5397GT	WASHER, FLAT, USS, 5/16-18	
6	219437GT	ISOLATOR,VIBRATION	2
7	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	
8	6146GT	WASHER,FLAT,MS,#10,Y	
9	162063GT	SHEET, FAN GUARD, Z45	1
10	237192GT	FAN SHROUD,DEUTZ D2.9	1
11	214685GT	RADIATOR, CAPLESS, DEUTZ D 2.9	1
12	235660GT	FORMING,RADIATOR SHROUD	1
13	54923GT	SCREW,HHC,M6 X 14MM,SS	
14	6638GT	WASHER, FLAT, USS, 1/4"Y	
15	35434GT	CLAMP,HOSE,2.00***	2
16	237194GT	HOSE,LOWER RADIATOR,DEUTZ D2.9	
17		Ref. Engine Tray refer to 418.1	
18	24038GT	SHOCK MOUNT,SMALL	4
19	15086GT	WASHER,FLAT,.375 X 1.5 X .125	2
20	48425GT	NUT,FLG-LRG,3/8-16,YZ	2
21	214237GT	FORMING,RAD BRACE,DEUTZ D2.9	1

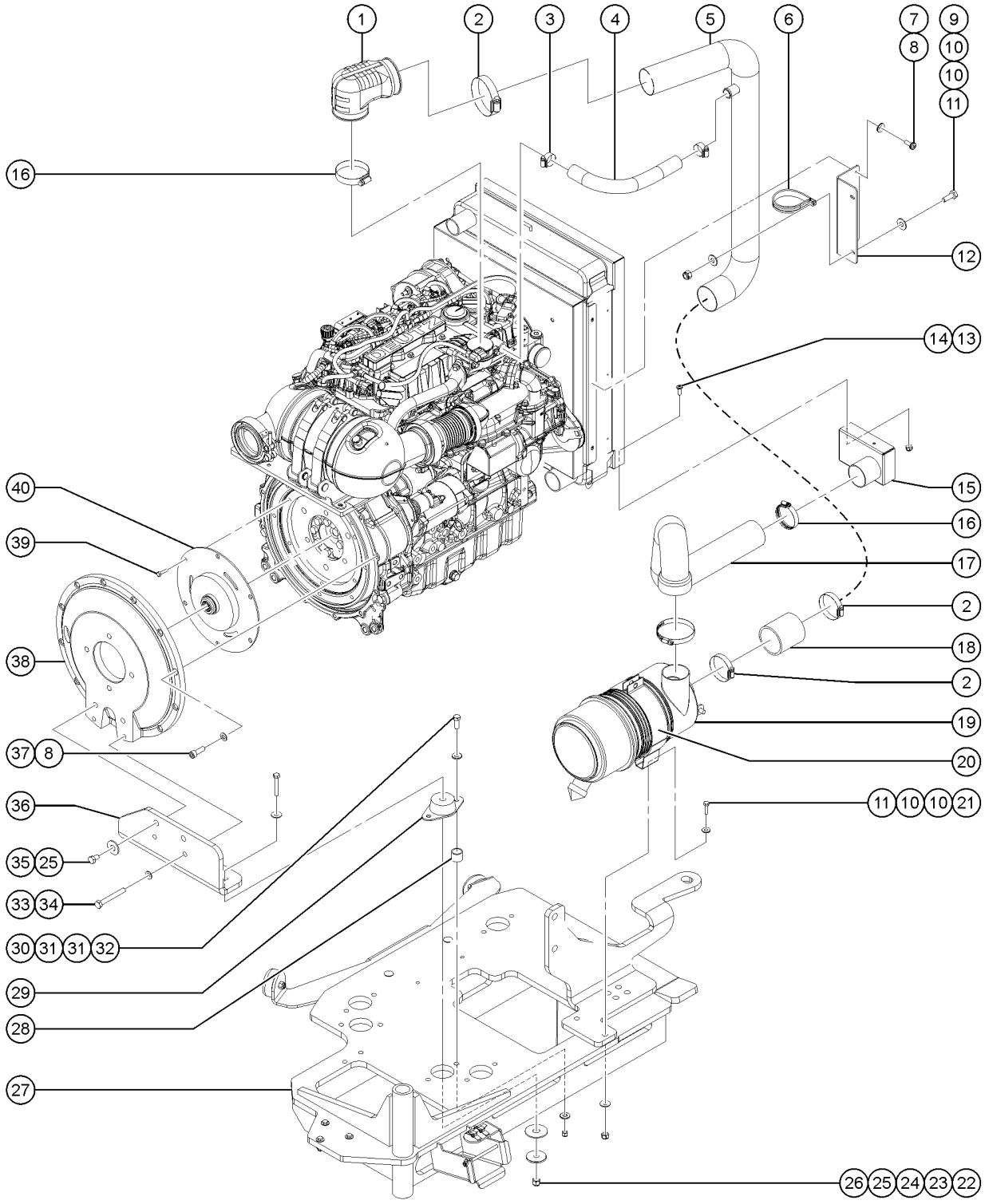
405.1 Deutz D2.9L4 Engine, View 3



405.1 Deutz D2.9L4 Engine, View 3

Item	Part No.	Description	Qty.
-		Due to Tier 4 regulations, many engine replacement parts require the engine serial number at time of order placement. When ordering engine parts please have both machine and engine serial numbers available. For internal engine parts, contact engine dealer	
1	214686GT	AIR INTAKE ELBOW, 90 DEGREE	1
2	45435GT	CLAMP,HOSE,2.50"	4
3	30348GT	CLAMP,HOSE,1.00	2
4A	162253GT	HOSE,PCV,DEUTZ,LNG to SN Z452514A-51263	1
4B	1255894GT	HOSE,PCV,DEUTZ D2.9 from SN Z452514A-51264	
5	219976GT	WELDMENT,STEEL INTAKE TUBE	1
6	45455GT	CLAMP,2.75,#44 X 1/4,RUB CUSH*	2
7	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	
8	6146GT	WASHER,FLAT,MS,#10,Y	
9	6090GT	SCREW, HHC, 1/4-20 X .75	
10	6638GT	WASHER, FLAT, USS, 1/4"Y	
11	6091GT	NUT,NYLOCK,1/4-20	
12	217877GT	FORMING,CLEAN AIR BRACKET	1
13	49819GT	SCREW,PHILLIPS,PHM,10-32 X .5	
14	6178GT	NUT, NYLOCK, 10-32	
15	219621GT	WELDMENT,INTAKE BOX,DEUTZ	1
16	35434GT	CLAMP,HOSE,2.00***	2
17	217930GT	HOSE,RAW AIR,DEUTZ D2.9	1
18	34162-300GT	HOSE,AIR INTAKE 2.50" ID	1
19	63463GT	AIR CLEANER,NELSON*** plastic housing	1
19-	58415GT	CLIP,AIR CLEANER END CAP*** end cap not available separately	
19-	62420GT	FILTER, AIR D2.9L4	
19-	65810GT	BAFFLE, AIR CLEANER (27915)**	
19-	52866GT	EVACUATOR VALVE-AIR CLEANER	
20	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
21	6888GT	SCREW, HHC, 1/4-20 X 1	

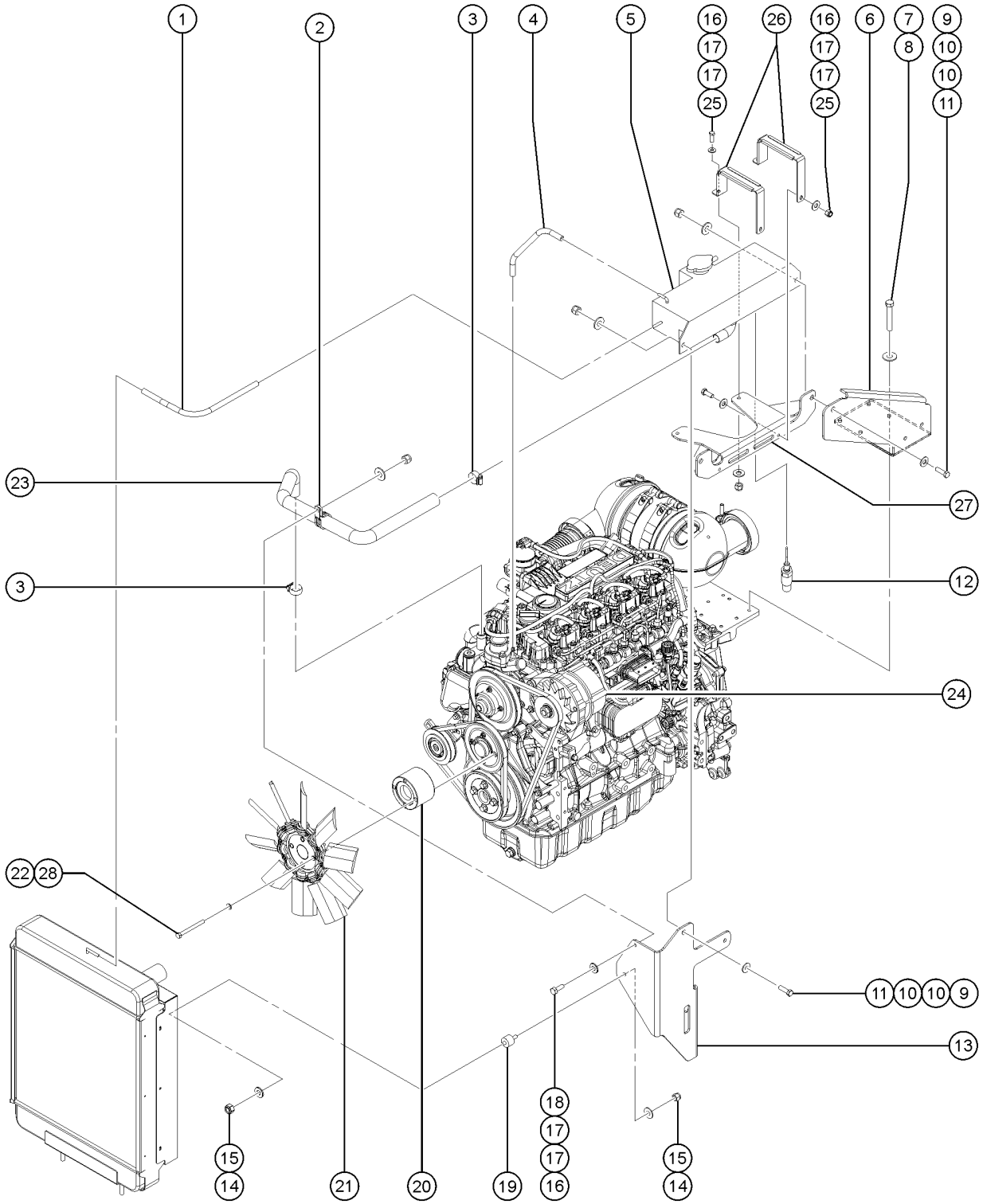
405.1 Deutz D2.9L4 Engine, View 3



405.1 Deutz D2.9L4 Engine, View 3

Item	Part No.	Description	Qty.
22	6198GT	NUT, NYLOCK, 1/2-13	
23	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
24	101729GT	WASHER,VIBRATION ISOLATING	
25	6095GT	WASHER,FLAT,USS,1/2",Y	
26	8357GT	SCREW, HHC, 1/2-13 X 3.5	
27		Ref: Engine Tray refer to 418.1	
28	219991GT	SPACER,19.1 OD X 13.5 ID X 15.9	
29	70452GT	ISOLATOR,ENGINE VIBRATION	
30	8516GT	SCREW, HCC, 3/8-16 X 1.50	
31	6097GT	WASHER, FLAT, USS, 3/8", Y	
32	4828GT	NUT, NYLOCK, 3/8-16	
33	67631GT	SCREW,HHC,M10 X 80 GR 8.8	
34	22966GT	WASHER,FLAT,M10,ZINC PLTD	
35	54177GT	SCREW,HHC,1/2-13 X 1.5 GRD 8	
36	218098GT	FORMING,REAR ENGINE MOUNT,Z45	
37	61110GT	SCREW,SHC,M10X1.5X30 GR 12.9	
38	70381GT	COVER,FLYWHEEL CASTING	
39	49388GT	SCREW,HHC,M10 X 1.5 X 16	
40	128004GT	COUPLER,15 TOOTH,FBA,SAE8*** includes eight bolts	

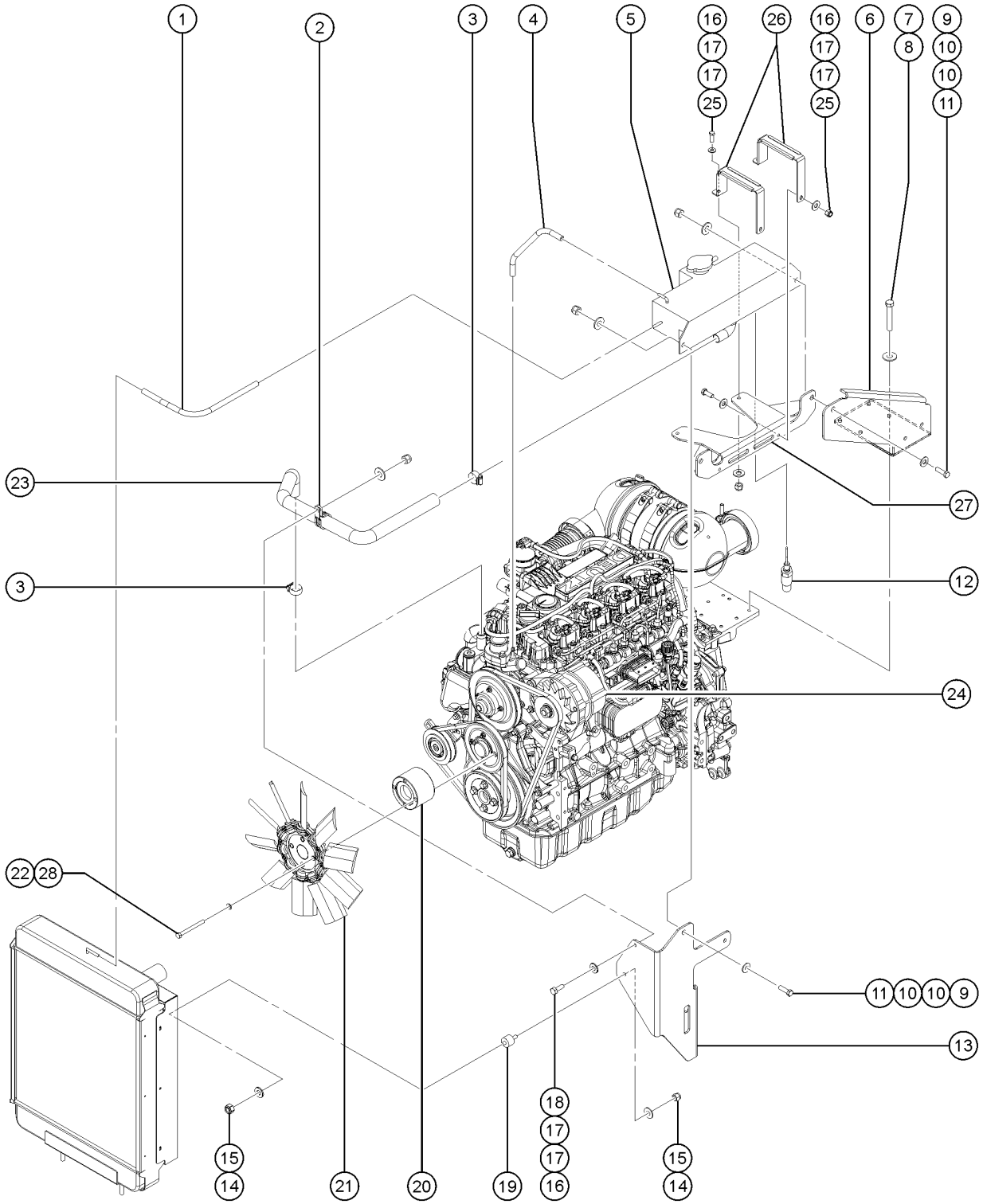
406.1 Deutz D2.9L4 Engine, View 4



406.1 Deutz D2.9L4 Engine, View 4

Item	Part No.	Description	Qty.
-		Due to Tier 4 regulations, many engine replacement parts require the engine serial number at time of order placement. When ordering engine parts please have both machine and engine serial numbers available. For internal engine parts, contact engine dealer	
1	823523GT	HOSE,RADIATOR VENT,DEUTZ D2.9	1
1-	21465GT	CLAMP,HOSE, .25" TO .63" X .3125" not shown	2
2	119394GT	CLAMP,1.38,#212X3/8,RUB CUSH	1
3	30348GT	CLAMP,HOSE,1.00	2
4	822606GT	TUBING,VINYL,3/8" CLEAR	37 inches
4-	21465GT	CLAMP,HOSE, .25" TO .63" X .3125" not shown	2
5	823970GT	EXPANSION TANK,METAL,D2.9,Z45	1
5A	1254823GT	CAP,RADIATOR,PERKINS (94232) for 823524	1
6	1255692GT	FORMING,EXPANSION TANK SUPT replaced 219653	1
7	49379GT	SCREW,HHC,M8 X 1.25 X 25	
8	33277GT	WASHER,FLAT,M8,YELLOW ZINC	
9	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
9-	8516GT	SCREW, HCC, 3/8-16 X 1.50	
10	6097GT	WASHER, FLAT, USS, 3/8", Y	
11	4828GT	NUT, NYLOCK, 3/8-16	
12	218715GT	COOLNT LEVL SENSR, DEUTZTCD3.6	1
13	214934GT	FORMING,RAD EXPSN TANK SUPT	1
14	6782GT	NUT, NYLOCK, 5/16-18	
15	5397GT	WASHER, FLAT, USS, 5/16-18	
16	6090GT	SCREW, HHC, 1/4-20 X .75	
17	6638GT	WASHER, FLAT, USS, 1/4"Y	
18	6091GT	NUT,NYLOCK,1/4-20	
19	219437GT	ISOLATOR,VIBRATION	1
20A	214683GT	FAN SPACER,DEUTZ D 2.9 to SN Z452515A-53490	1
20B	1256599GT	SPACER, FAN, DEUTZ, 29.5MM LNG from SN Z452515A-53491	1
21	214682GT	FAN, 10 BLADE, 15"	1

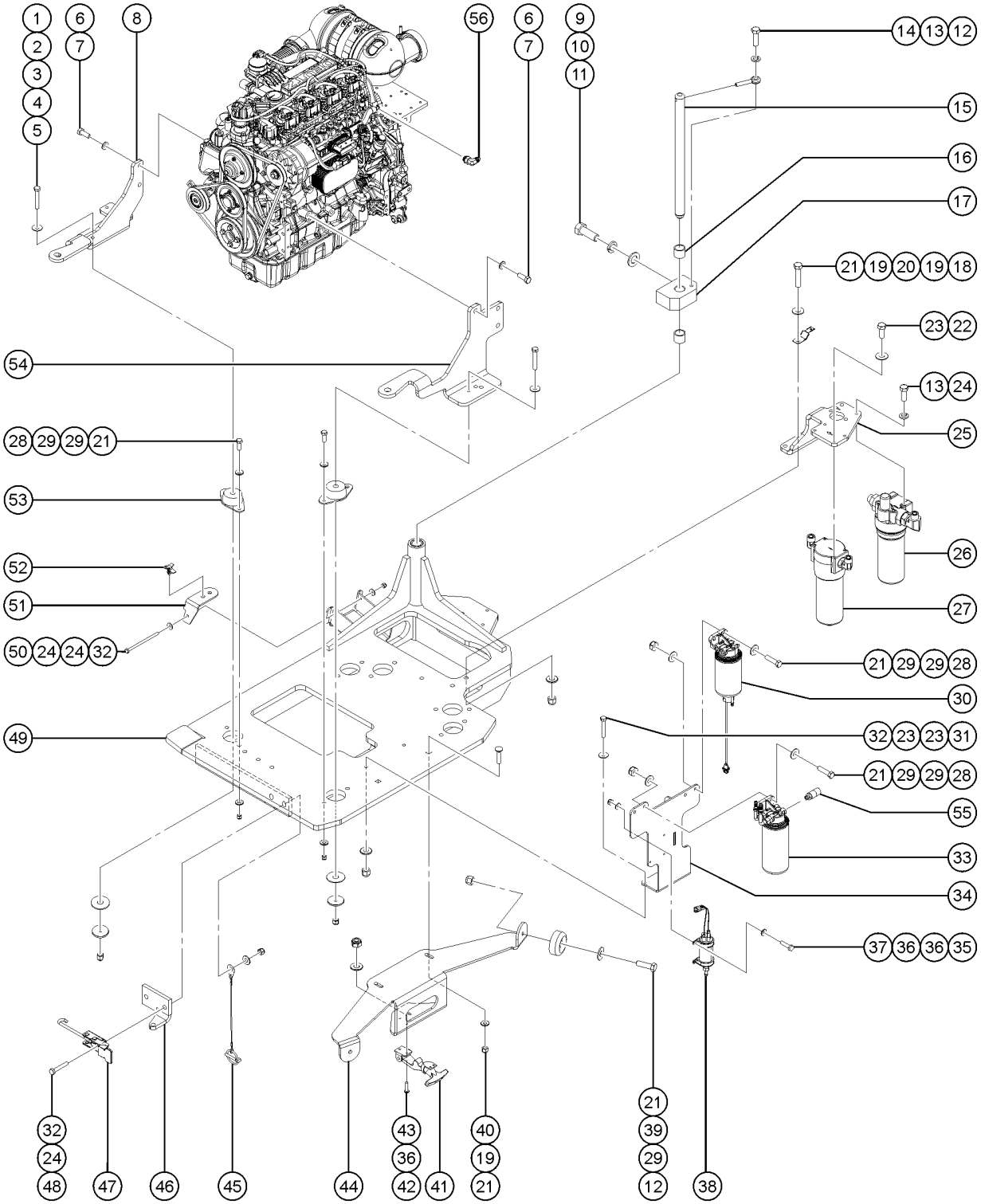
406.1 Deutz D2.9L4 Engine, View 4



406.1 Deutz D2.9L4 Engine, View 4

Item	Part No.	Description	Qty.
22A	162282GT	SCREW,HHC,M8 X 85 X 1.25,GR8.8 to SN Z452515A-53490	4
22B	1257231GT	SCREW,HHF,M8-1.25X50,DIN6921,1 from SN Z452515A-53491	4
23	1251731GT	HOSE,EXPANSION TANK,D2.9 replaced 214687	1
24	236251GT	ALTERNATOR,95 AMP,DEUTZ TCD3.6	1
25	6889GT	NUT,LP NYLOCK,1/4-20	
26A	1253922GT	FORMING,EXP TANK BAND,D2.9 from SN Z4514A-52566	2
26B	1254452GT	EXTRUSION,RUBBER STRIP,LG,D2.9 from SN Z4514A-52566 (for 1253922)	2
26C	1254453GT	EXTRUSION,RUBBER STRIP,SM,D2.9 from SN Z4514A-52566 (for 1253922)	2
26D	1254704GT	KIT, EXPANSION TANK SUPPORT%%* to SN Z4514A-52565 (includes items 26A, 26B, 26C, 27A, mounting fasteners, and instructions)	1
27A	1254267GT	WDMT,EXPANSION TANK SUPT from SN Z4514A-52566	1
27B	1254704GT	KIT, EXPANSION TANK SUPPORT%%* to SN Z4514A-52565 (includes items 26A, 26B, 26C, 27A, mounting fasteners, and instructions)	1
28	33277GT	WASHER,FLAT,M8,YELLOW ZINC to SN Z452515A-53490	

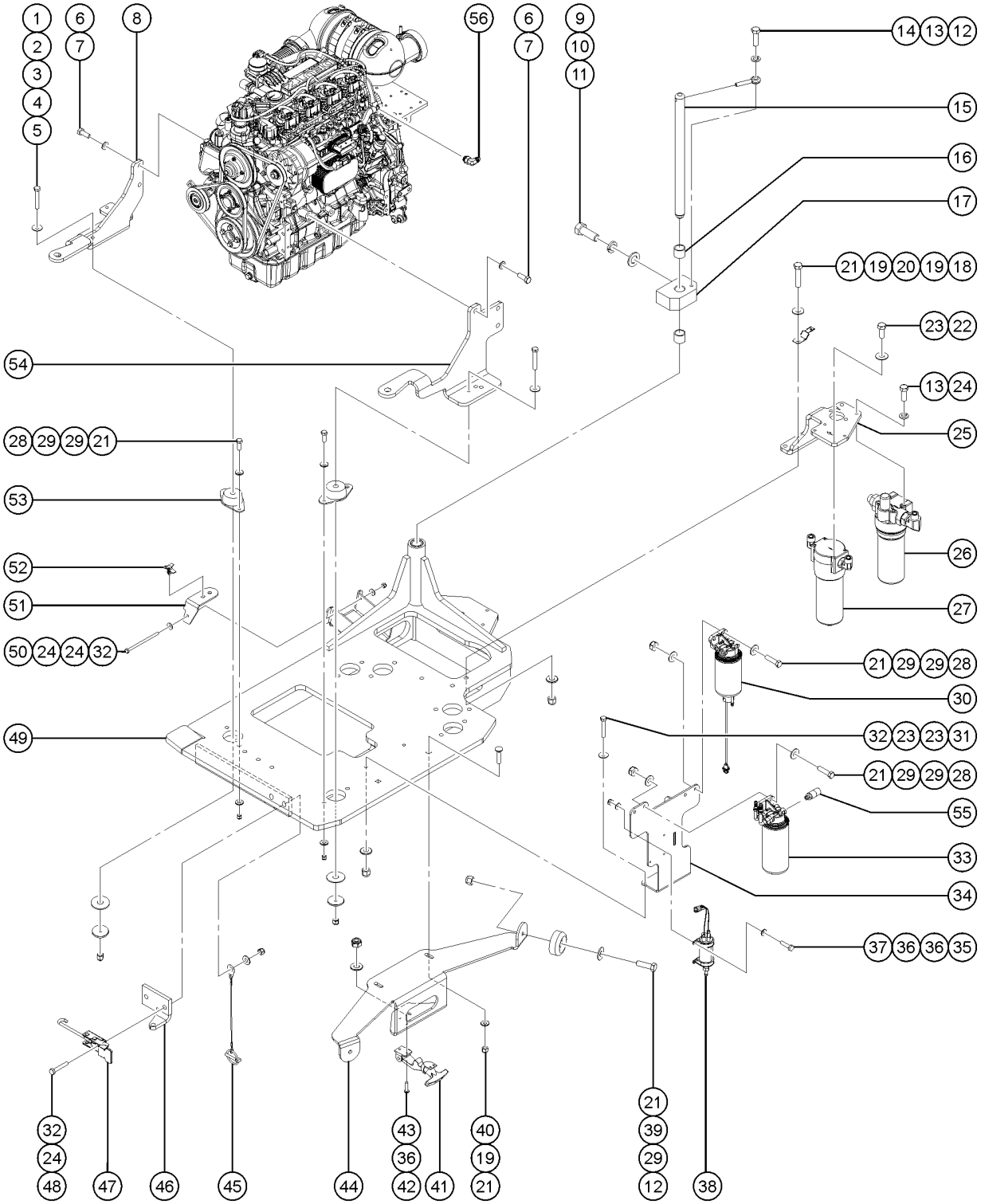
407.1 Deutz D2.9L4 Engine, View 5



407.1 Deutz D2.9L4 Engine, View 5

Item	Part No.	Description	Qty.
-		Due to Tier 4 regulations, many engine replacement parts require the engine serial number at time of order placement. When ordering engine parts please have both machine and engine serial numbers available. For internal engine parts, contact engine dealer	
1	8357GT	SCREW, HHC, 1/2-13 X 3.5	
2	6095GT	WASHER,FLAT,USS,1/2",Y	
3	101729GT	WASHER,VIBRATION ISOLATING	4
4	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	4
5	6198GT	NUT, NYLOCK, 1/2-13	
6	22558GT	SCREW,HHC,M14 X 40MM,GR 8.8	5
7	49411GT	WASHER,FLAT,M14	
8	237190GT	FORMING, RIGHT ENGINE MOUNT	1
9	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	2
10	6036GT	WASHER,LOCK,.625 PLTD	
11	13064GT	WASHER,FLAT,.625 HARDENED	
12	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
13	6021GT	WASHER, LOCK, .375	
14	1255452GT	ROD END,.375 X 2.25,ZAG	1
15	107803GT	PIN,1.00DIAX15.56LG,CHAMFER	1
16	25817GT	BEARING,1.00IDX1.25ODX1.00L	2
17	107805GT	EAR, ENGINE TRAY PIVOT	1
18	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	99346GT	CLIP, METAL MOUNTING	1
21	4828GT	NUT, NYLOCK, 3/8-16	
22	6090GT	SCREW, HHC, 1/4-20 X .75	
23	6638GT	WASHER, FLAT, USS, 1/4"Y	
24	6175GT	SCREW,HHC,3/8-16 X 1	
25	235654GT	FORMING,OIL FILTER BRACKET	1
26	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1

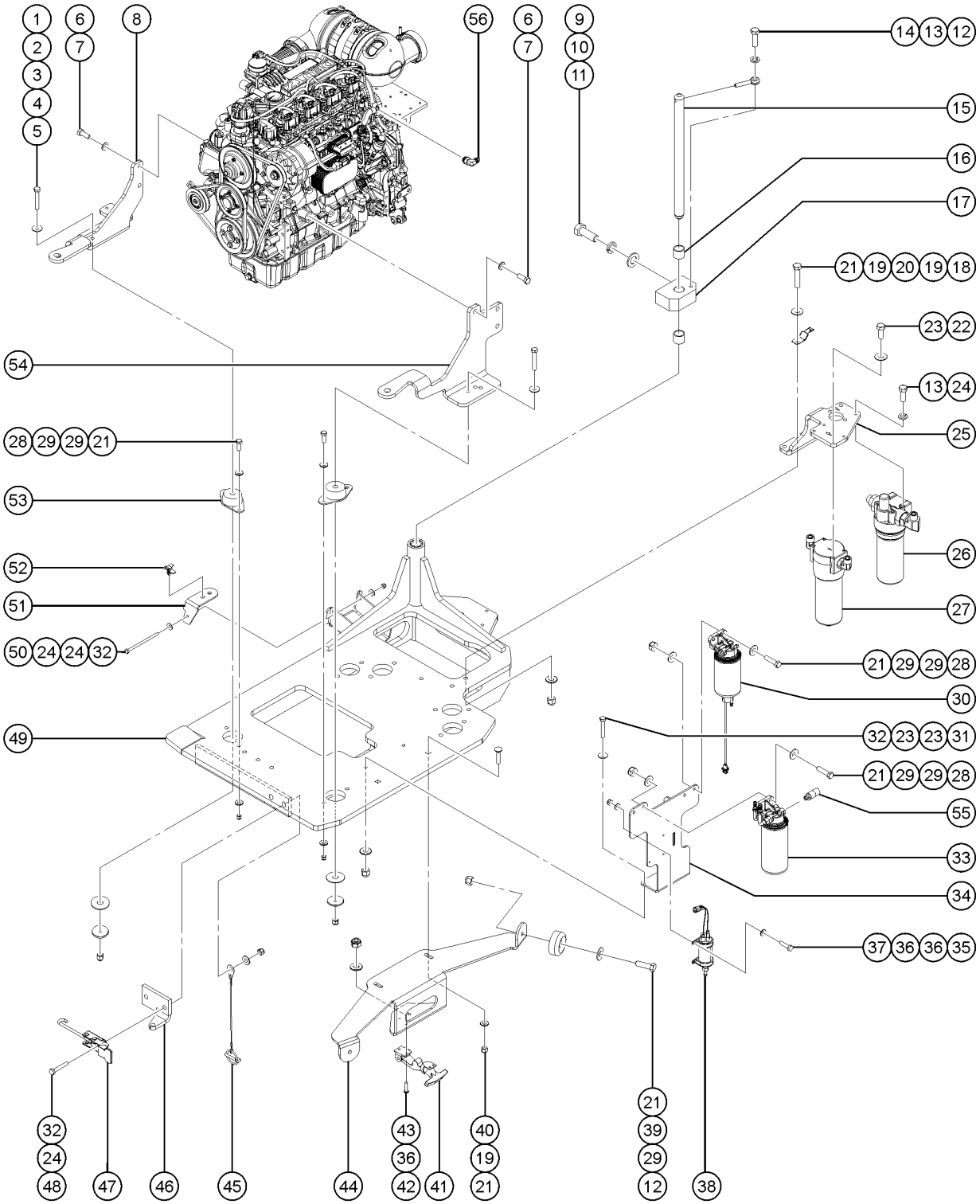
407.1 Deutz D2.9L4 Engine, View 5



407.1 Deutz D2.9L4 Engine, View 5

Item	Part No.	Description	Qty.
26-	60857GT	FILTER,ELEMENT,BETA(5)=1000	
26-	58222GT	O-RING,FILTER ASSY (60334)***	
26-	58223GT	SEAL,FILTER ASSY (60334)***	
26-	58380GT	FILTER INDICATOR-(60334)	
27		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
27-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
27A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
27A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
28	8516GT	SCREW, HCC, 3/8-16 X 1.50	
29	6097GT	WASHER, FLAT, USS, 3/8", Y	
30	1261239GT	ASSY,FUEL PREFILTER,DEUTZ 2.9	1
30-	236260GT	FILTER, FUEL PRE-FILTER, SPIN-ON, DEUTZ	
30-	07.4501.0291GT	SENSOR	
30-	162209GT	FITTING,CONN,16MM-8MJ	
30-	162207GT	FITTING,ELBOW,8GS-8FJX90S	1
31	8915GT	SCREW, HHC, 1/4-20 X 1.25	
32	6091GT	NUT,NYLOCK,1/4-20	
33	214228GT	FILTER, DEUTZ 2.9, FUEL	
33a-	162206GT	FITTING,ELBOW,6GS-6FJX90S	1
33b-	162208GT	FITTING,CONN,16MM-6MJ	1
33c-	162207GT	FITTING,ELBOW,8GS-8FJX90S to SN Z452514A-50762	1
33d-	162209GT	FITTING,CONN,16MM-8MJ to SN Z452514A-50762	1
33e-	1256842GT	SCREW,FHS,3/8-16X2.25,F835,ZAG from SN Z4525A-51063	
33f-	1255395GT	HOSE,FUEL,1/2,D2.9,SUPPLY,QC from SN Z4525A-51063 (from engine to filter), sold separately	
33g-	1255396GT	FITTING,FUEL,1/2,D2.9,QC from SN Z4525A-51063 (from engine to filter), sold separately	
33h-	1255399GT	BOLT,BANJO,DEUTZ,QC from SN Z4525A-51063 (from engine to filter), sold separately	
33j-	1255400GT	WASHER,COPPER,DEUTZ,QC from SN Z4525A-51063 (from engine to filter), sold separately	
34A	1257961GT	WELDMENT, FUEL FILTER BRACKET to SN Z452516N-56250	1

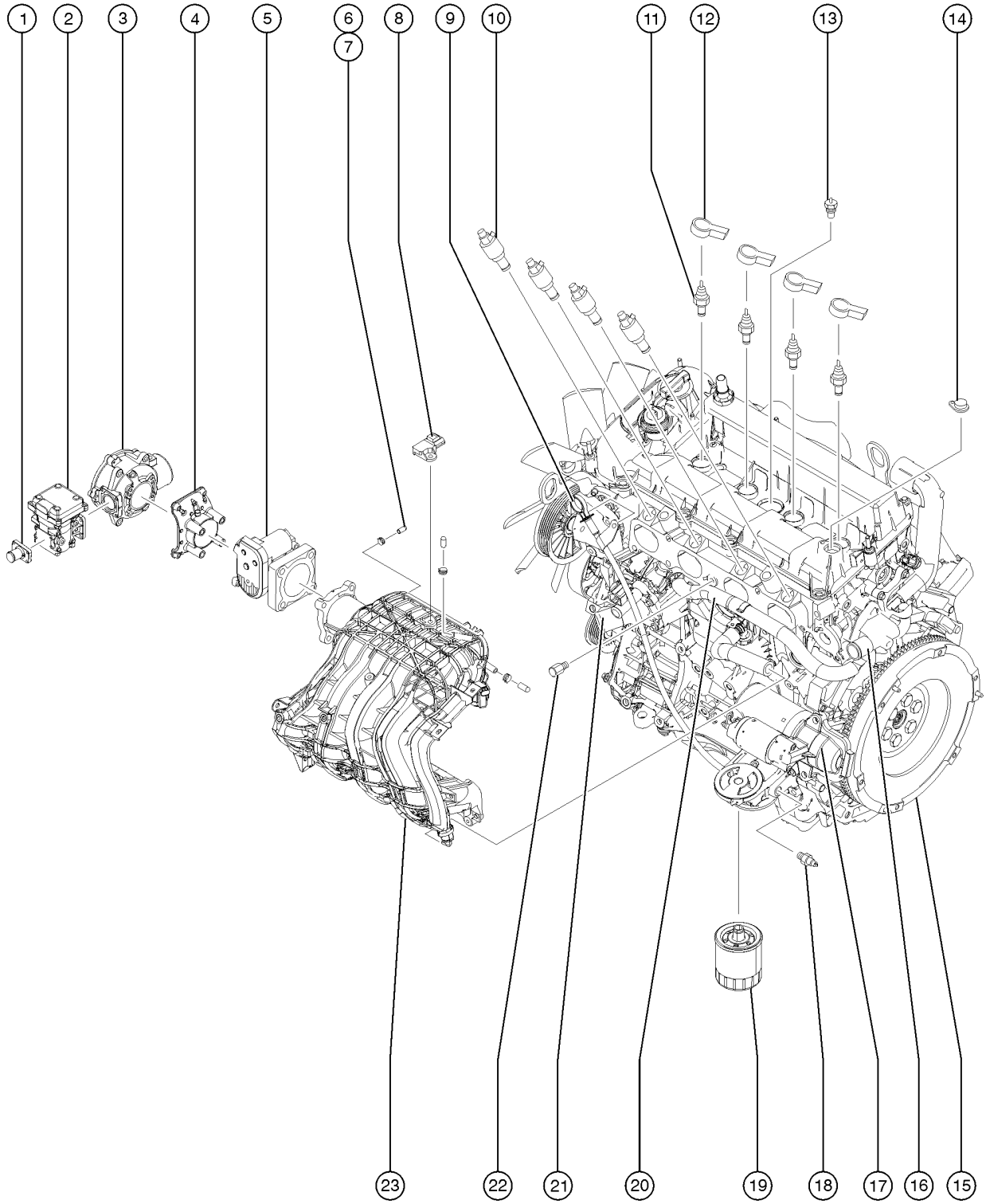
407.1 Deutz D2.9L4 Engine, View 5



407.1 Deutz D2.9L4 Engine, View 5

Item	Part No.	Description	Qty.
34B	1257961GT	WELDMENT, FUEL FILTER BRACKET from SN Z452516N-56251	1
35	29752GT	SCREW,HHC,10-24 X .75	
36	6146GT	WASHER,FLAT,MS,#10,Y	
37	5365GT	NUT,NYLOCK,10-24	
38	236259GT	LIFT PUMP,FUEL,DEUTZ TCD3.6 replaced 214691	2
39	50974GT	BUMPER,RUBBER,COVERS	2
40	112572GT	BOLT,CARRIAGE,3/8-16X1.75	
41	45363GT	LATCH,FLEXIBLE	1
42	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	
43	6178GT	NUT, NYLOCK, 10-32	
44	215593GT	FORMING, ENGINE COVER LATCH	1
45	54432GT	LANYARD,LYNCH PIN ASSY	1
46	54244GT	BRACKET,LATCH MOUNT,RH***	1
47	27126GT	LATCH,DRAW,ADJUSTABLE	1
48	6145GT	SCREW, HHC, 1/4-20 X 1.5	
49		Ref: Engine Tray refer to 418.1	1
50	74254GT	SCREW,HHC,1/4-20 X 4.5	
51	219353GT	FORMING, FUEL LINE BRACKET	1
52	105214GT	CABLE TIE MOUNT, WINGED	2
53	70452GT	ISOLATOR,ENGINE VIBRATION	2
54	237189GT	FORMING, LEFT ENGINE MOUNT	1
55	824673GT	SENSOR,LOW PRESSURE,DEUTZ 2.9L	1
56A	826000GT	CONNECTOR, SAE10, QUICK CONNECT 90-degree fuel return quick connector	1
56B	1259102GT	CONNECTOR,SAE10,QUICK CON,STR fuel return straight quick connector	1

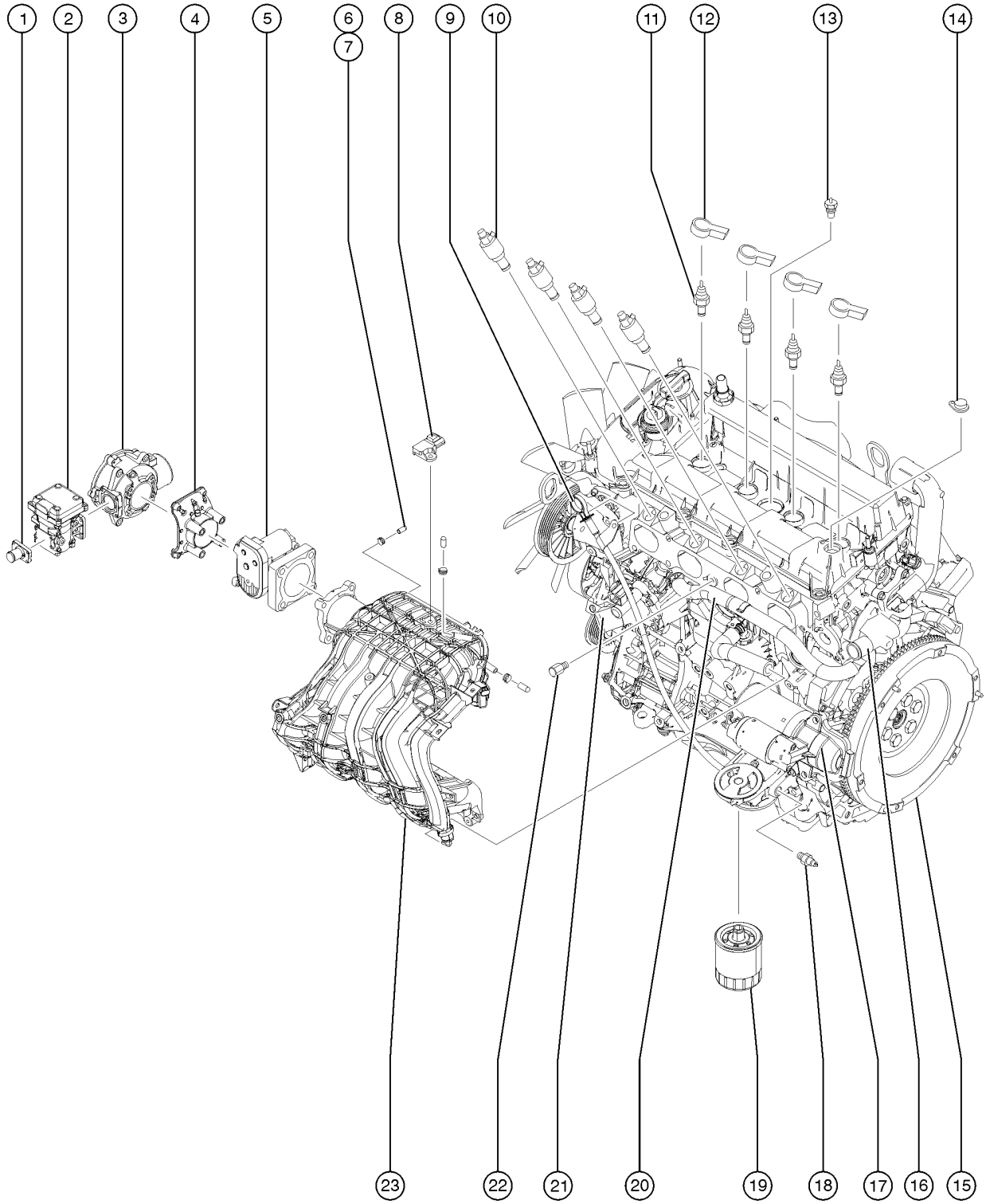
408.1 Ford MSG-425 EFI Engine, View 1



408.1 Ford MSG-425 EFI Engine, View 1

Item	Part No.	Description	Qty.
B-	128165GT	RELAY,PWR/FUEL,FORD DSG423	
1	215285GT	FITTING, DEPR LP, MSG425 (sold seperately) (for 215284)	1
2	215284GT	REGULATOR,LP PRESSURE,MSG425	1
2-	215286GT	FITTING, DEPR COOLANT, MSG425 (sold seperately) (for 215284)	
3	215280GT	MIXER, MSG425	1
3-	1313038GT	INLET SEAL, MIXER, MSG425 (215280)	
3-	1313039GT	O-RING, MIXER, MSG425 (215280)	
3-	1313040GT	QUAD RING, MIXER, MSG425 (215280)	
3-	119546GT	KIT,FITTING,REGULATOR DSG-423 for 215280	
3-	215281GT	O-RING, SMOOTH, MSG425	
3-	215282GT	O-RING, RIBBED, MSG425	
4	215283GT	ADAPTER, MIXER/THRO, MSG425	1
5	88451GT	THROTTLE ACTUATOR*(BOSCH)	1
5-	88452GT	GASKET,THROTTLE ACTUATOR***	
6	217820GT	CAP, INT. MFLD. VAC, MSG425	2
7	119568GT	CLAMP,SPRING,1/2"	3
8	119475GT	MAP SENSOR, DSG-423	1
9	215297GT	OIL INDICATOR, MSG425 (dipstick)	1
10	215299GT	INJECTOR, FUEL, MSG425	4
11	215287GT	SPARK PLUG, MSG425	4
12	215314GT	COIL ASSY, MSG425	4
13	215300GT	SENSOR, CYL. HEAD TEMP, MSG425	1
14	215308GT	SENSOR, CAM POS, MSG425	1
15		Ref: Flywheel refer to 410.1	1
16	215275GT	ADAPTER, WATER CONN, MSG425	1
17A	1264894GT	KIT, HD STARTER INSTALL, MSG-4	1
17B	128166GT	RELAY,STARTER,FORD DSG/MSG for 215293	
17C	217823GT	STARTER PLUG SEAL, MSG425 for 215293	

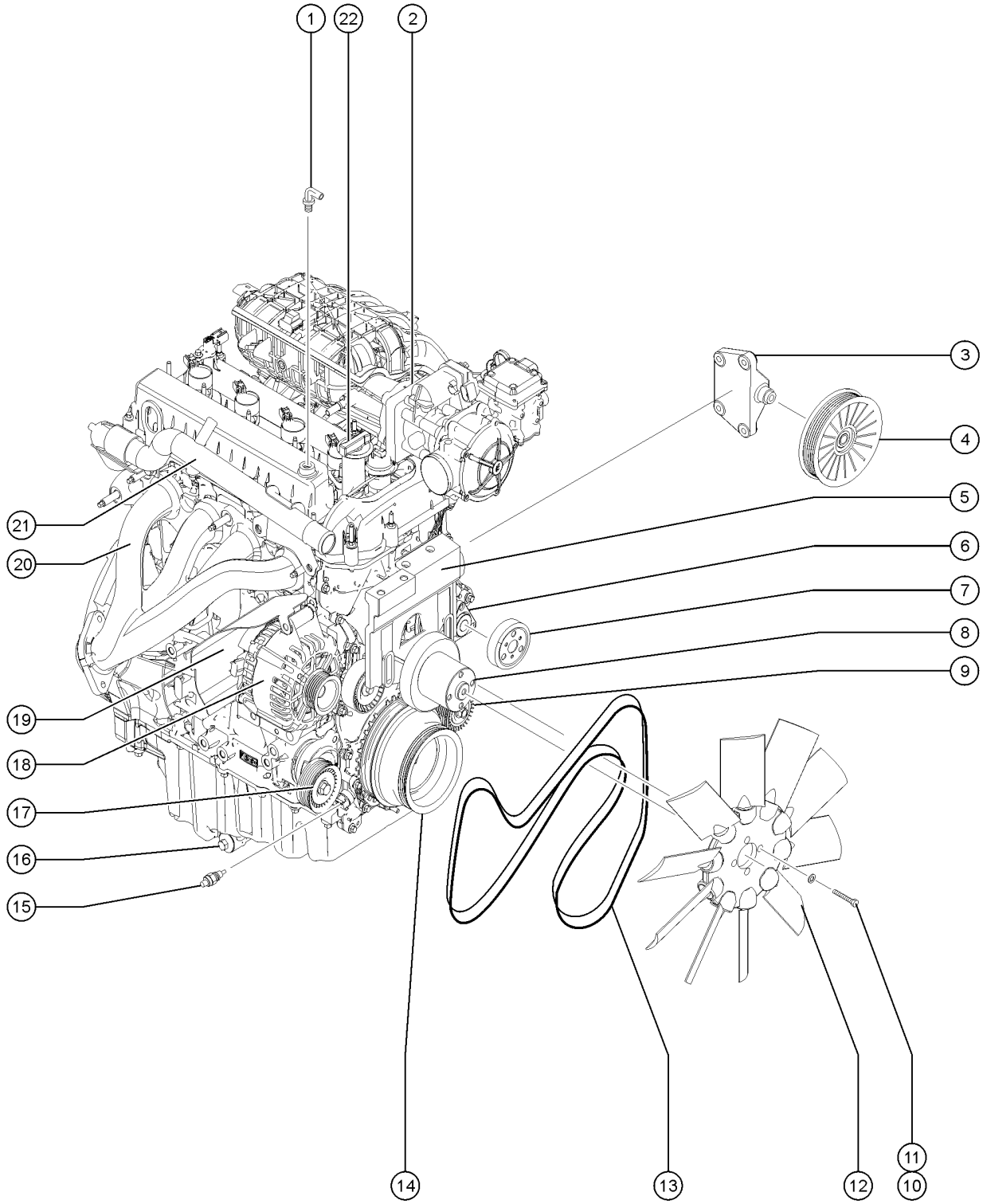
408.1 Ford MSG-425 EFI Engine, View 1



408.1 Ford MSG-425 EFI Engine, View 1

Item	Part No.	Description	Qty.
18	215301GT	SWITCH, OIL PRES, MSG425	1
19	119139GT	OIL FILTER,DSG-423	1
20	215302GT	HOSE, COOLANT BYPASS, MSG425	1
21	215310GT	THERMOSTAT W/HOUSING, MSG425	1
22	215309GT	SENSOR, KNOCK, MSG425	1
23	215305GT	INTAKE MANIFOLD, MSG425	1

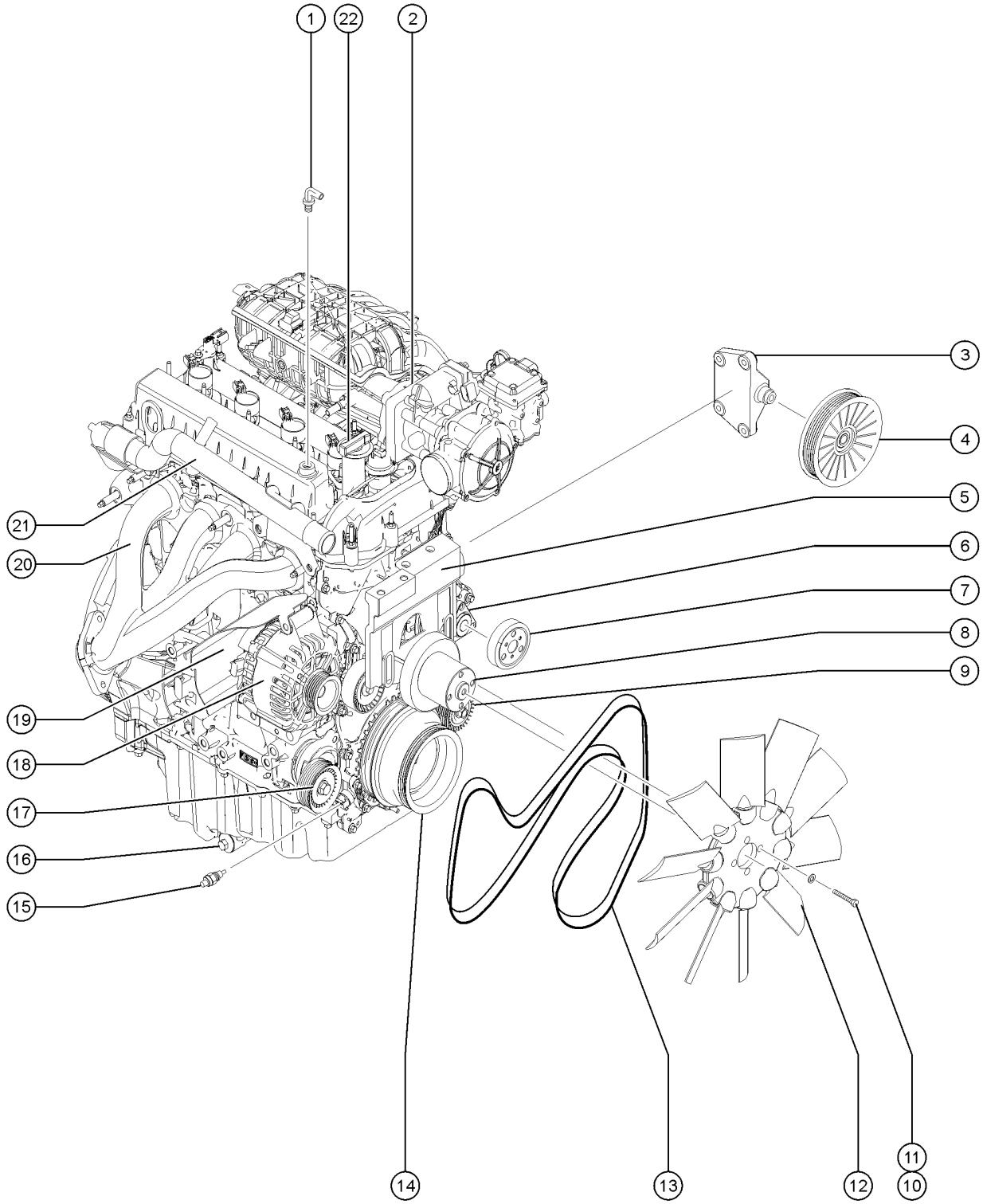
409.1 Ford MSG-425 EFI Engine, View 2



409.1 Ford MSG-425 EFI Engine, View 2

Item	Part No.	Description	Qty.
22	58632GT	CAP,OIL FILLER,FORD DSG 423	1
1	119474GT	VALVE,PCV FORD DSG-423	1
1-	75631GT	HOSE,AIR 3/8	
2	215279GT	PLATE, INT. MFLD ADAP, MSG425	1
3	119477GT	IDLER BRACKET	1
4	215298GT	UPPER IDLER PULLEY, MSG425	1
5	1283575GT	KIT,FAN SUPPORT RETRO,FORD MSG For first time replacement	1
5-	1283571GT	BRACKET,FAN,FORD MSG included in kit 1283575GT	1
5-	1283572GT	BRACKET,IDLER,FORD MSG included in kit 1283575GT	1
5-	1283573GT	BOLT, BRACKET, SUPPORT,FORD MSG included in kit 1283575GT	2
5-	1283574GT	SCREW,HHC,M8X1.25.80 included in kit 1283575GT	1
6	215288GT	WATER PUMP, MSG425	1
7	215289GT	WATER PUMP PULLEY, MSG425	1
8	215271GT	FAN PULLEY, MSG425	1
8-	215270GT	FAN SPACER, MSG425	
9	215313GT	LOWER IDLER PULLEY, MSG425	1
10	6145GT	SCREW, HHC, 1/4-20 X 1.5	4
11	49408GT	WASHER, LOCK, M8	4
12	215269GT	FAN, MSG425	1
13	215291GT	BELT, FEAD, MSG425 serpentine belt	1
13-	215274GT	FAN DRIVE BELT, MSG425 fan belt (not shown)	
14	215273GT	CRANK PULLEY, EXT, MSG425	1
15	215307GT	SENSOR, CRANK POS, MSG425	1
16	215311GT	PLUG, OIL DRAIN, MSG425	1
17	215290GT	PULLEY/TENSIONER, MSG425	1
18	1300536GT	ALTERNATOR,DSG-423,BOSCH	1
19	227309GT	HEAT SHIELD,ALTERNATOR,FORD	1
20	215276GT	EXHAUST MANIFOLD, MSG425	1

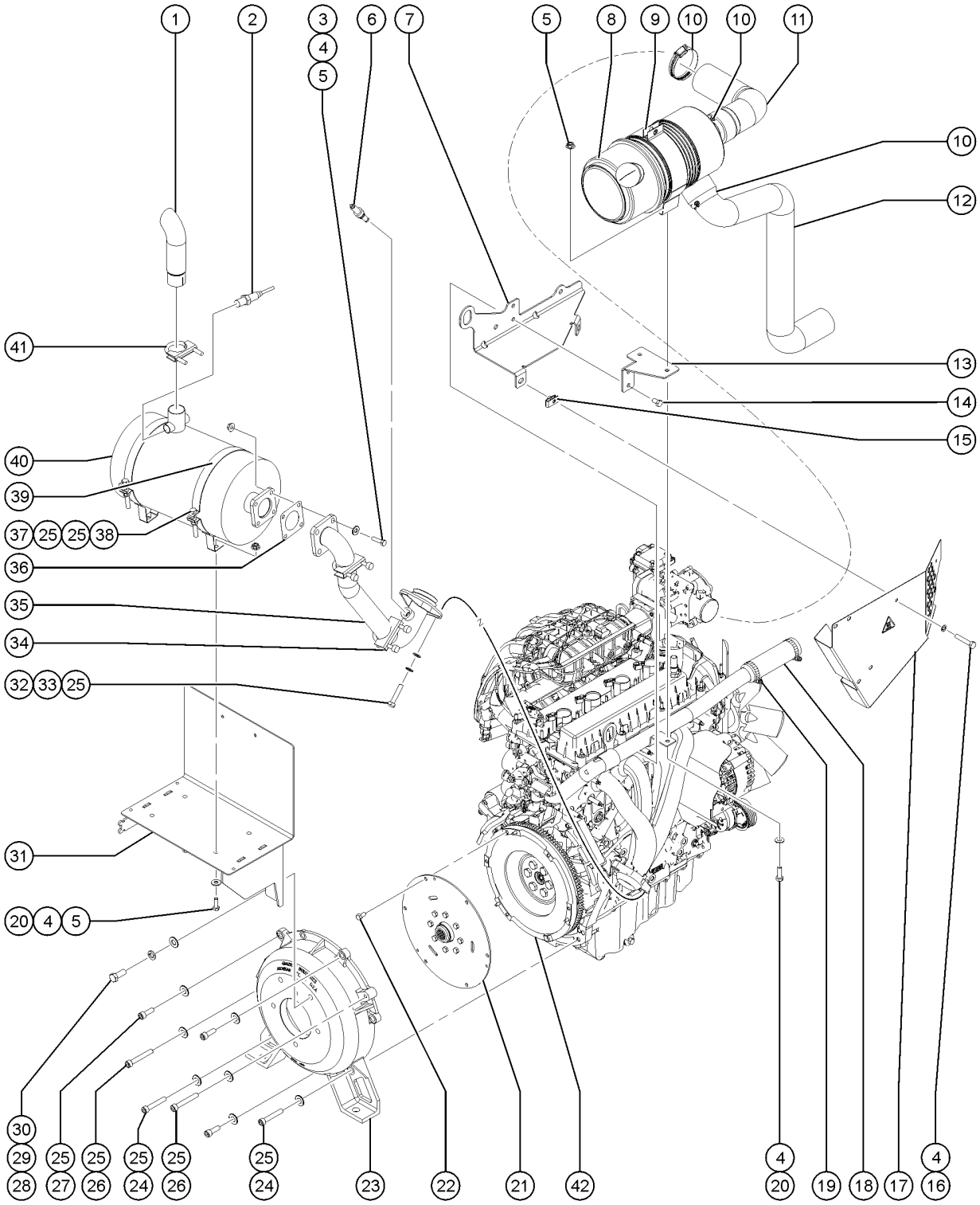
409.1 Ford MSG-425 EFI Engine, View 2



409.1 Ford MSG-425 EFI Engine, View 2

Item	*Part No.*	*Description*	*Qty.*
20-	215277GT	GASKET, MSG425	
20-	217822GT	NUT, EXH. MANIFOLD, MSG425	
21	236373GT	PIPE,COOLANT RETURN, MSG425	1

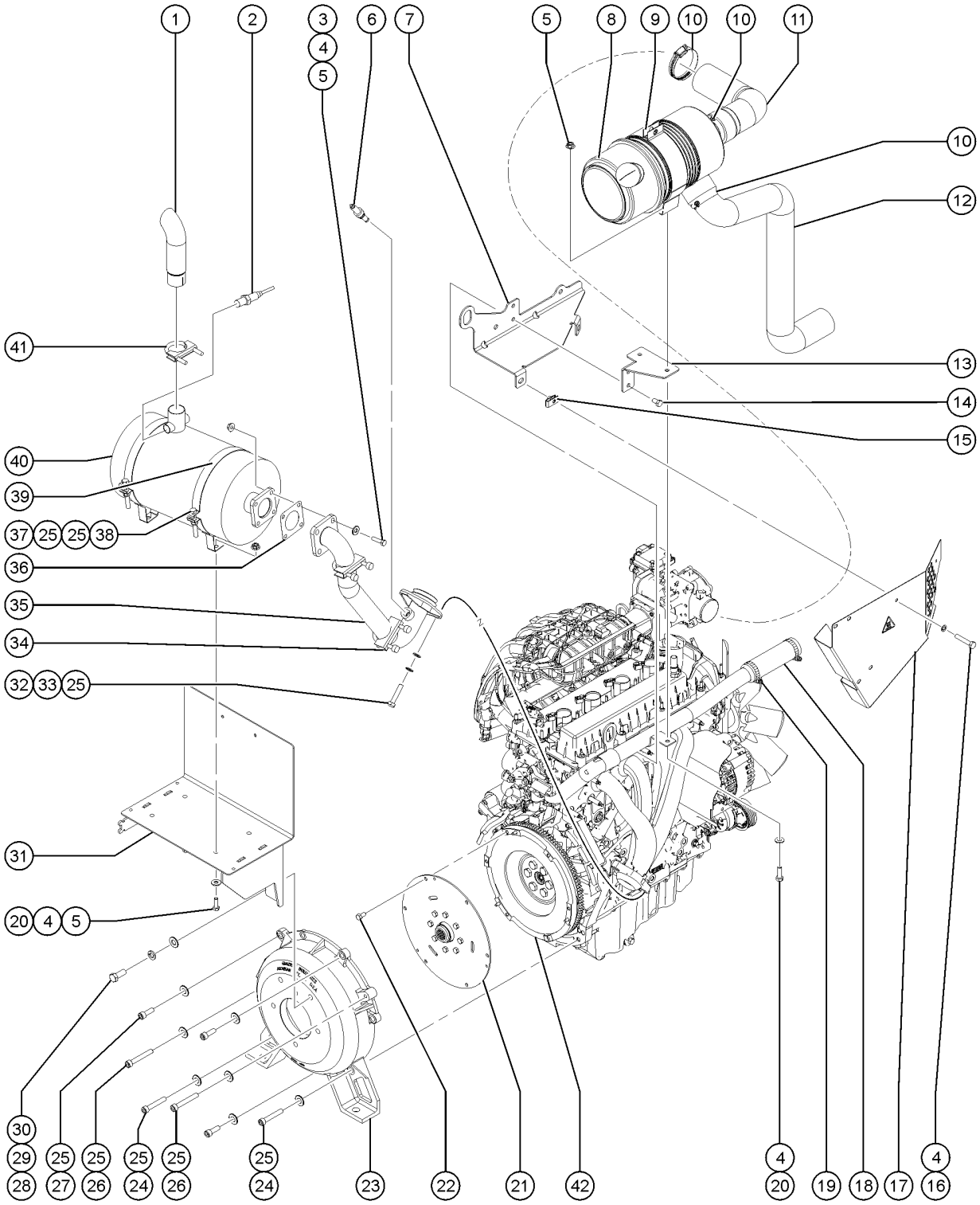
410.1 Ford MSG-425 EFI Engine, View 3



410.1 Ford MSG-425 EFI Engine, View 3

Item	Part No.	Description	Qty.
1	128020GT	TAILPIPE,Z45,FORD DSG423	1
2	139610GT	SENSOR,AIR,CAT MONITOR	1
3	13000GT	SCREW,HHC,5/16-18 X 1.25	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	
6	215320GT	SENSOR, O2, MSG425	1
7	216368GT	FORMING,HEAT SHIELD MOUNT	1
8	111634GT	AIR CLEANER,FORD,T3	1
8-	227988GT	VACUATOR VALVE	
8-	77295GT	FILTER ELEMENT,AIR,NOLFF LPG	
8-	38922GT	ELBOW,90DEG.1/8MPT-5/16 BARB	
8-	58247GT	AIR CLEANER CAP/ FORD/NOLFF***	
8-	1277991GT	CLIP,AIR CLEANER COVER (58247) for 58247	
9	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
10	45435GT	CLAMP,HOSE,2.50"	3
11	237146GT	HOSE, CLEAN AIR, MSG425	1
12	235659GT	HOSE, RAW AIR, MSG425	1
13	216367GT	REF. FORMING,AIR CLEANER MOUNT	1
14	33681GT	SCREW,HHC,3/8-16 X .625	
15	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
16	6090GT	SCREW, HHC, 1/4-20 X .75	
17	236341GT	HEAT SHIELD, MSG425	1
18	236338GT	HOSE, UPPER RADIATOR, MSG425	
19	119053GT	CLAMP,HOSE,1.50	2
20	13002GT	SCREW,HHC,5/16-18 X 1 GR5	
21	214446GT	COUPLER,15T,FBA,SAE 8,MSG425	1
22	49378GT	SCREW,HHC,M8 X 16	6
23	119052GT	PUMP MOUNT,FORD DSG423	1

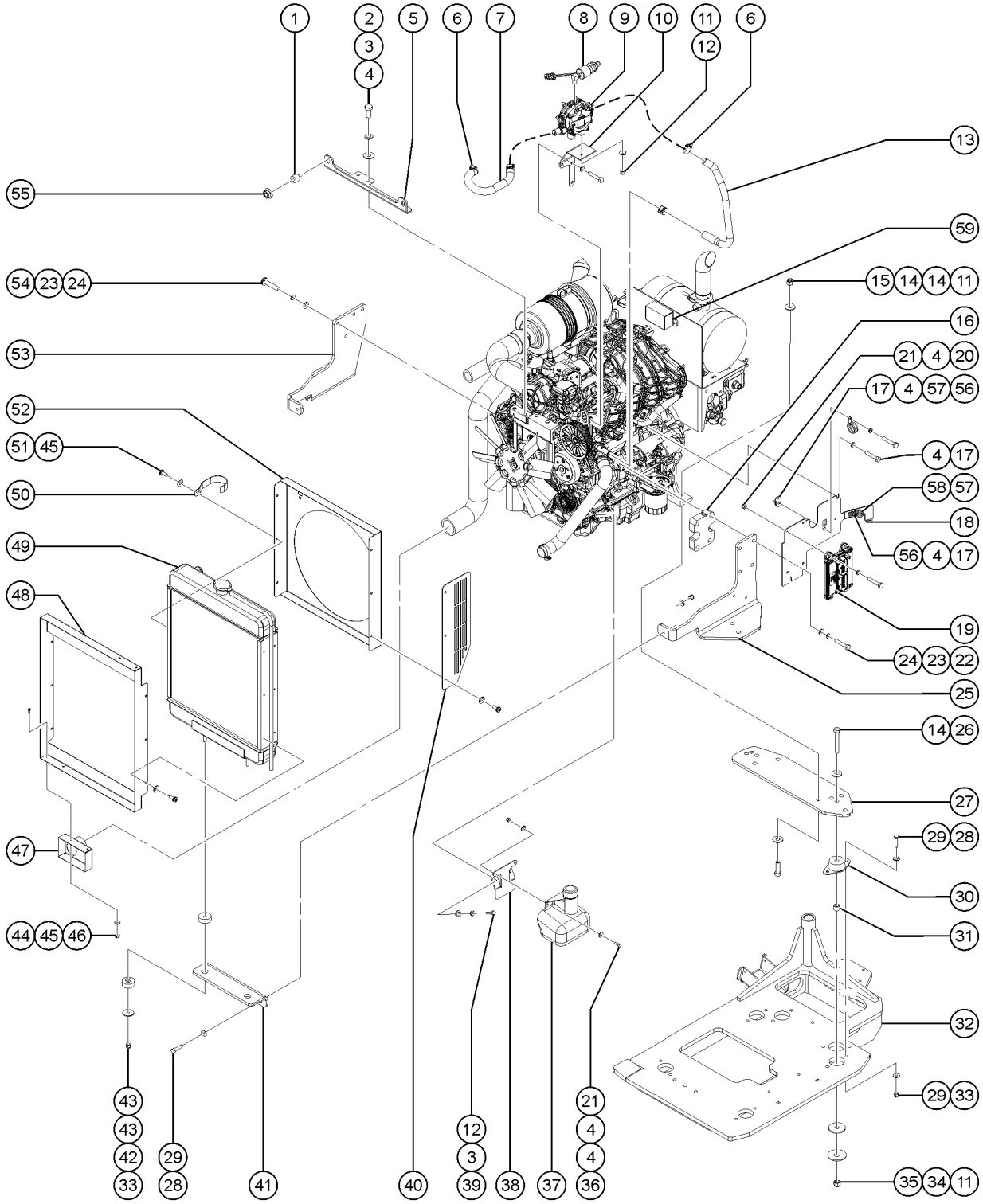
410.1 Ford MSG-425 EFI Engine, View 3



410.1 Ford MSG-425 EFI Engine, View 3

Item	Part No.	Description	Qty.
24	111748GT	SCREW,SHC,M10X1.5 X 60 GR8.8	2
25	22699GT	WASHER, FLAT, M10, ZINC PLTD.	8
26	61110GT	SCREW,SHC,M10X1.5X30 GR 12.9	3
27	215544GT	SHCS, M10-1.5X70MM, CL12.9	2
28	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
29	6033GT	WASHER,LOCK,0.5"	
30	13066GT	WASHER,FLAT,.5 HARDENED	
31	160540GT	WELDMENT,CAT MOUNT,MSG425	1
32	25548GT	SCREW,HHC,M10 X 40MM,GRD8	1
33	22700GT	WASHER,LOCK,M10	1
34	32064GT	CLAMP,MUFFLER,1.75 INCH	2
35	110407GT	WELDMENT,HEADER PIPE	1
36	72343GT	GASKET,EXH FLANGE-FORD/PERKINS	1
37	14033GT	SCREW, HHC, 3/8-16 X 2.75	
38	4828GT	NUT, NYLOCK, 3/8-16	
39	119051GT	MOUNTING BAND,MUFFLER,8.0"	2
40	215528GT	WDMT, CAT. MUFFLER, MSG425	1
41	102121GT	CLAMP,MUFFLER,1-7/8 IN.	1
42	215278GT	FLYWHEEL ASSY, MSG425	1

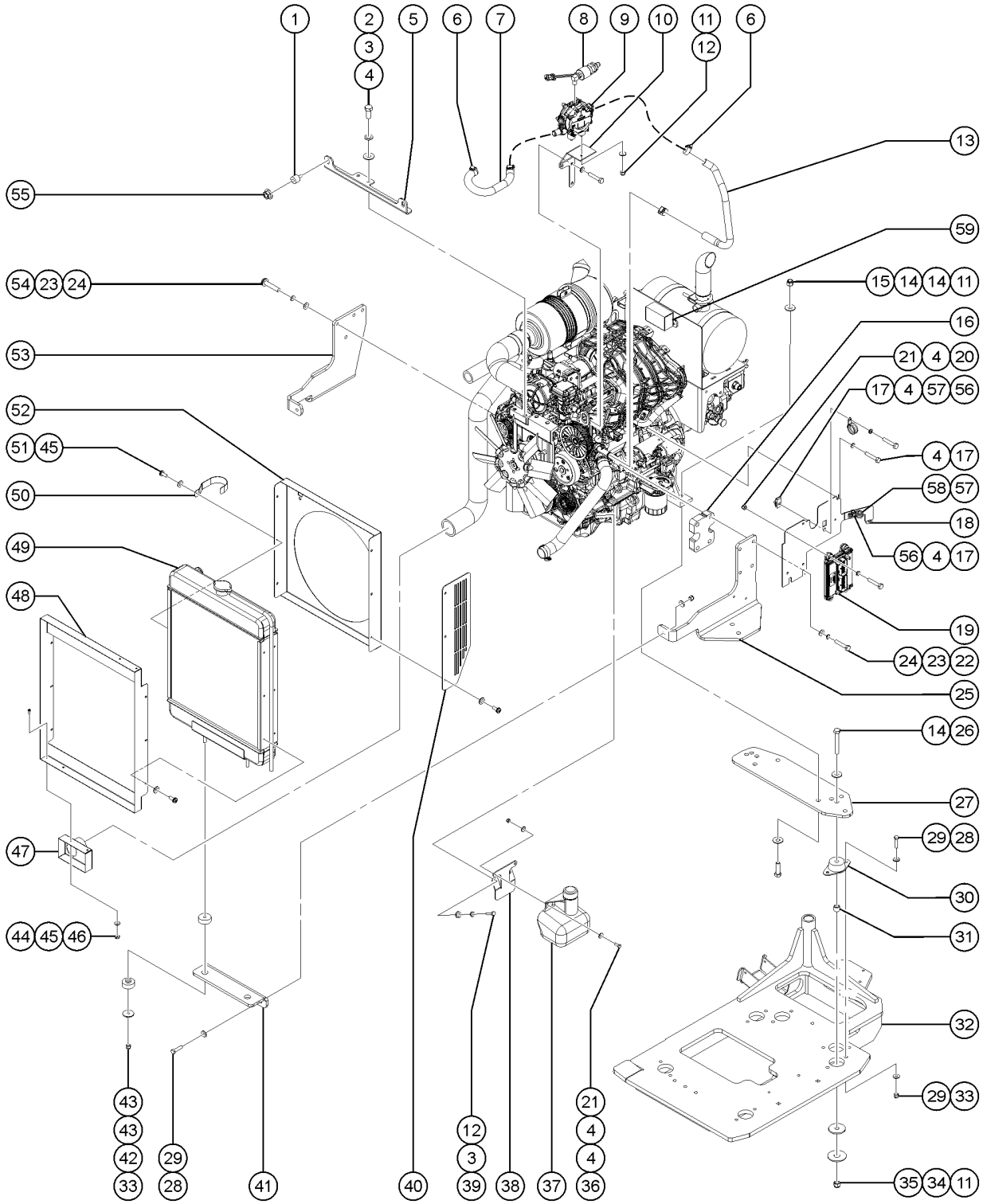
411.1 Ford MSG-425 EFI Engine, View 4



411.1 Ford MSG-425 EFI Engine, View 4

Item	Part No.	Description	Qty.
A-	236339GT	HOSE, LOWER RADIATOR, MSG425	1
1	219437GT	ISOLATOR,VIBRATION	2
2	23057GT	SCREW,HHC,M8 X 20MM	2
3	49408GT	WASHER, LOCK, M8	2
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	237780GT	FORMING, RAD SUPPORT, MSG425	1
6	46131GT	CLAMP,HOSE,.63" - 1.0" X .5"	4
7	102119GT	HOSE,3/4,LP	1
8	119232GT	LOCKOFF,LP,FORD DSG/MSG	1
9	215316GT	REGULATOR, LP, MSG425	1
9-	219477GT	ISOLATOR, DEPR	
10	236423GT	FORMING, LP REG MOUNT, MSG425	1
11	6198GT	NUT, NYLOCK, 1/2-13	
12	33277GT	WASHER,FLAT,M8,YELLOW ZINC	
13	236340GT	HOSE, COOLANT, VAP, MSG425	1
14	6095GT	WASHER,FLAT,USS,1/2",Y	
15	22788GT	SCREW,HHC,1/2-13 X 1.75	2
16	110477GT	PLATE,ENGINE SUPPORT SPACER	1
17	6888GT	SCREW, HHC, 1/4-20 X 1	
18	1287236GT	BRACKET ASSY, ECU MOUNT, FORD	1
19	215317GT	CONTROL MODULE, MSG425 original ECM; component no longer available limited inventory on hand	1
19B	1294827GT	CONTROL MODULE, MSG425 replacement ECM	1
20	6145GT	SCREW, HHC, 1/4-20 X 1.5	
21	6091GT	NUT,NYLOCK,1/4-20	
22	25927GT	SCREW,HHC,3/8-16X1.25,8,ZAG	2
23	22700GT	WASHER,LOCK,M10	
24	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
25	236420GT	ENGINE MOUNT, LEFT, MSG425	1

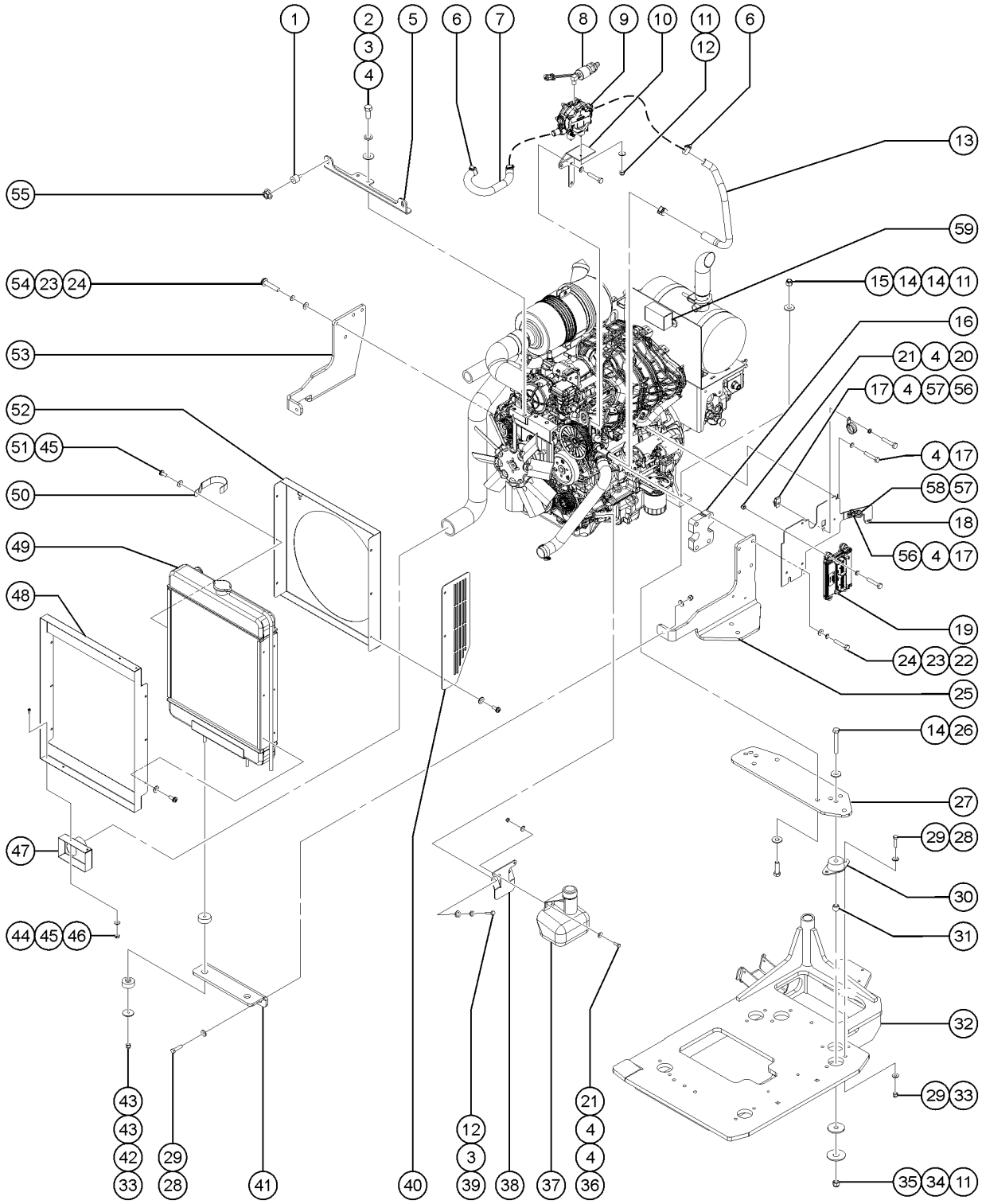
411.1 Ford MSG-425 EFI Engine, View 4



411.1 Ford MSG-425 EFI Engine, View 4

Item	Part No.	Description	Qty.
26	8357GT	SCREW, HHC, 1/2-13 X 3.5	
27	236422GT	ENGINE MOUNT, REAR, MSG425	1
28	8516GT	SCREW, HCC, 3/8-16 X 1.50	
29	5397GT	WASHER, FLAT, USS, 5/16-18	
30	70452GT	ISOLATOR,ENGINE VIBRATION	4
31	219991GT	SPACER,19.1 OD X 13.5 ID X 15.9	4
32		REF: Engine Tray refer to 418.1	1
33	4828GT	NUT, NYLOCK, 3/8-16	
34	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	4
35	101729GT	WASHER,VIBRATION ISOLATING	4
36	6090GT	SCREW, HHC, 1/4-20 X .75	
37	42662GT	COOLANT RECOVERY BOTTLE1.5 QT*	1
38	217562GT	FORMING,COOLANT BOTTLE MT.	
39	22586GT	SCREW,HHC,M8 X 20MM,F.TH.GR8.8	2
40	110932GT	PLATE,FAN GUARD	1
41	110417PGT	FORMING,RADIATOR SUPPORT,PNTD	1
42	15086GT	WASHER,FLAT,.375 X 1.5 X .125	
43	24038GT	SHOCK MOUNT,SMALL	2
44	6178GT	NUT, NYLOCK, 10-32	
45	6146GT	WASHER,FLAT,MS,#10,Y	
46	49819GT	SCREW,PHILLIPS,PHM,10-32 X .5	
47	219181GT	WELDMENT, INTAKE BOX	1
48	235660GT	FORMING,RADIATOR SHROUD	1
48-	219992GT	TRIM, SEAL, RADIATOR SHROUD	
49A	110406GT	RADIATOR,FORD DSG423 & MSG425	1
49B	65473GT	CAP,RADIATOR,PERKINS/FORD	
50	237385GT	HOSE HANGER, MSG425	2
51	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	

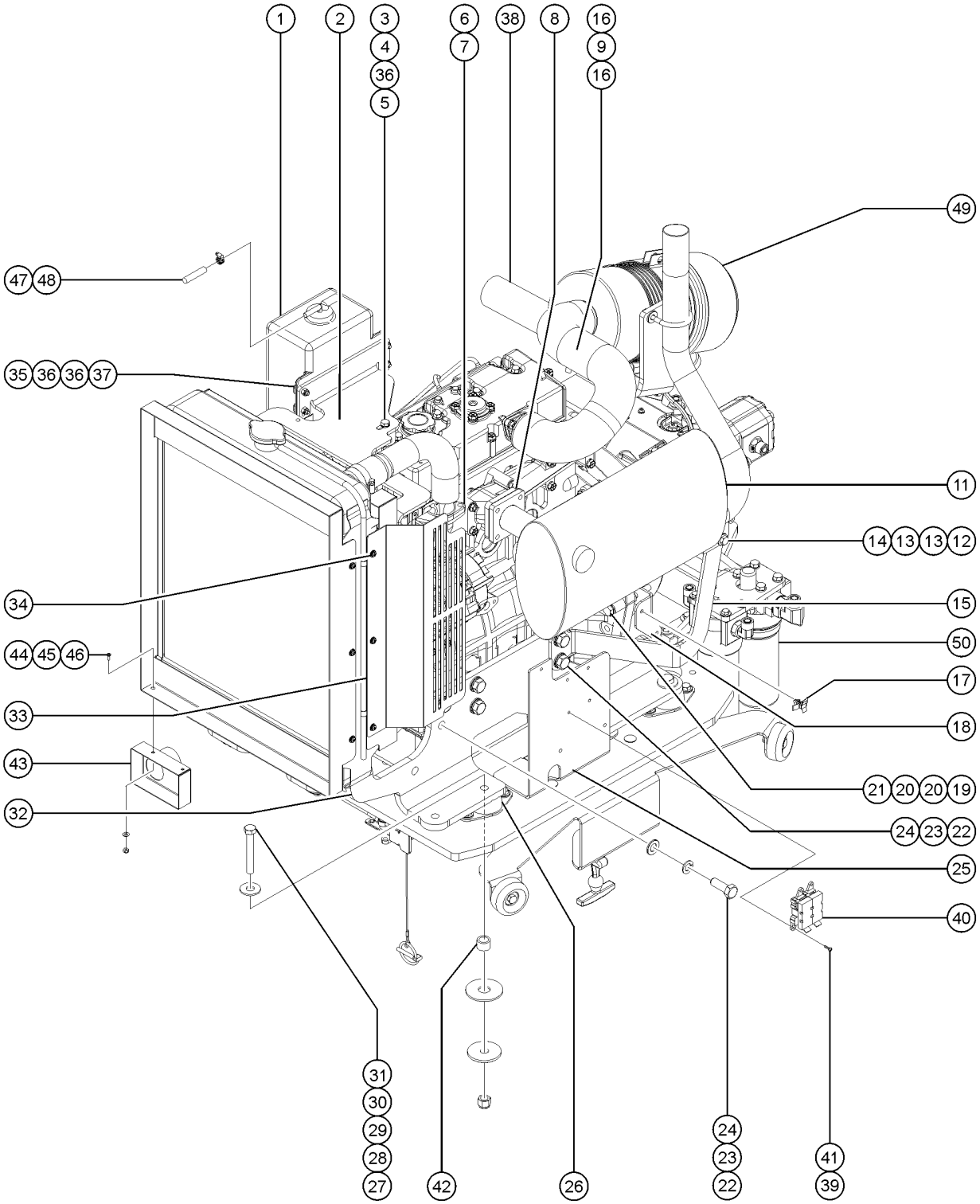
411.1 Ford MSG-425 EFI Engine, View 4



411.1 Ford MSG-425 EFI Engine, View 4

Item	Part No.	Description	Qty.
52	236364GT	FAN SHROUD, MSG425	1
53	236421GT	ENGINE MOUNT, RIGHT, MSG425	1
54	44064GT	SCREW,HHC,M10 X 30MM,	
55	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	
56	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	2
57	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
58	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	1
59A	237856GT	FUSE BOX COVER	1
59B	237857GT	FUSE BOX RELAY STICKER (not shown) not included with 237856, order seperately	1

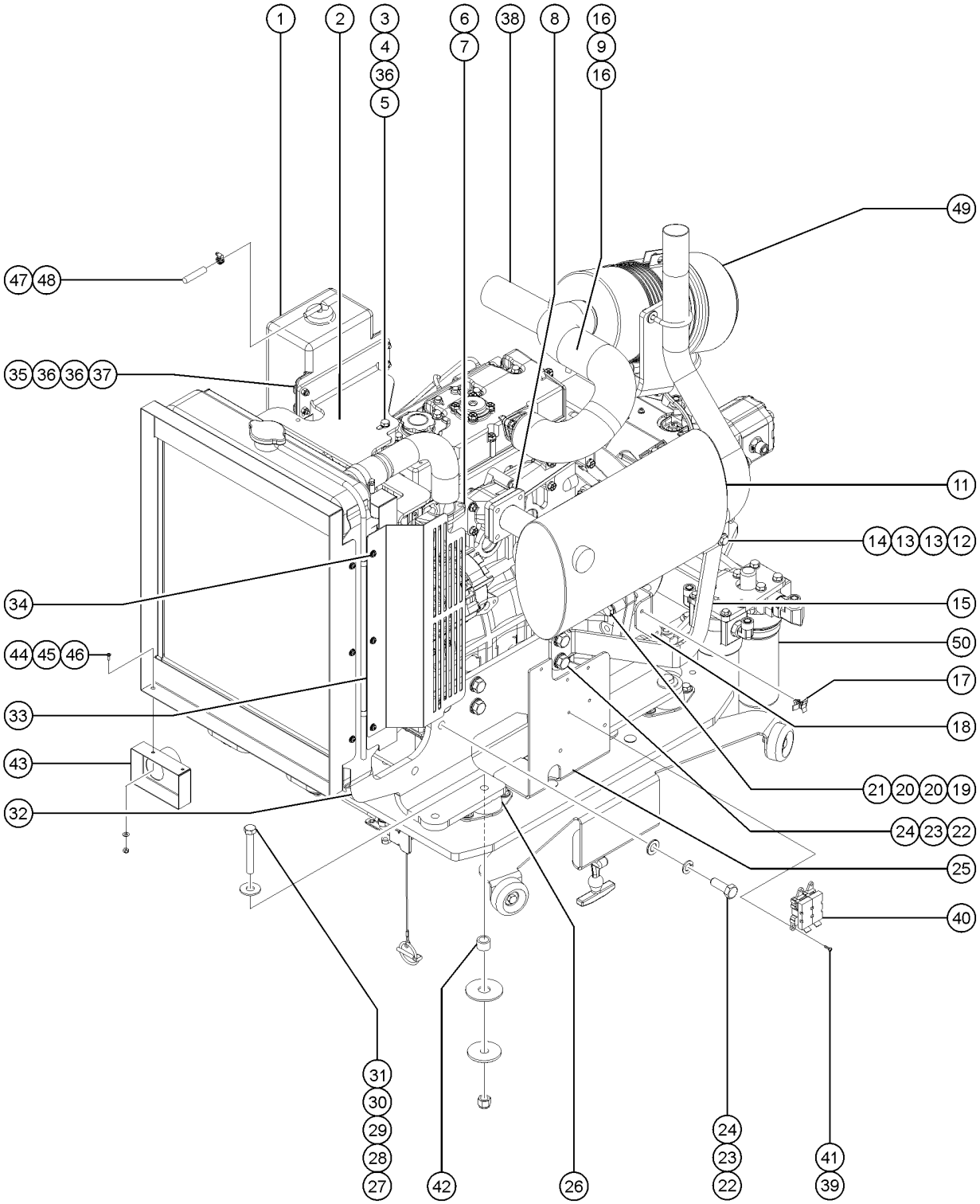
412.1 Perkins 404D-22 Engine, View 1



412.1 Perkins 404D-22 Engine, View 1

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
A	1262585GT	STARTER MOTOR,PERKINS 404D	
1	70367GT	BOTTLE,COOLANT RECOVERY,3.7***	1
1-	115431GT	CAP ASSY, COOLANT BOTTLE for 70367	
2	88989PGT	FORMING,UPPER RAD SUPPORT PNTD	1
3	23057GT	SCREW,HHC,M8 X 20MM	
4	49408GT	WASHER, LOCK, M8	
5	60585GT	ISOLATOR,VIBRATION,M8 MALE/FEM	1
6	77476GT	HOUSING,THERMOSTAT,PERKINS 104	1
6-	128986GT	WATER OUTLET, VERTICAL	
7	77478GT	THERMOSTAT (PERKINS 104-22)	1
7-	128991GT	THERMOSTAT	
7-	147355GT	GASKET-THERMOSTAT HSG for 128991, Engine block Thermostat	
7-	77477GT	GASKET,THERMOSTAT HSG Vertical Thermostat	
8	72343GT	GASKET,EXH FLANGE-FORD/PERKINS	1
9	94927GT	HOSE,AIR INTAKE,PERKINS***	1
10		Ref. ASSEMBLY,PUMP (refer 705.1)	
11	218752GT	MUFFLER,PERKINS 404-22DSL (standard)	1
11-	218753GT	MUFFLER,CAT/SPARK,PERKINS (option) (muffler with spark arrest)	
12	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
13	5397GT	WASHER, FLAT, USS, 5/16-18	
14	4828GT	NUT, NYLOCK, 3/8-16	
15	229697GT	BRACKET, PERKINS MUFFLER	1
16	45435GT	CLAMP,HOSE,2.50"	2
17	105214GT	CABLE TIE MOUNT, WINGED	1
18	217227GT	FORMING,BATTERY CABLE MT	1
19	85053GT	SCREW,HHC,M10 X 1.5 X70,GR 8.8	3
20	22699GT	WASHER, FLAT, M10, ZINC PLTD.	

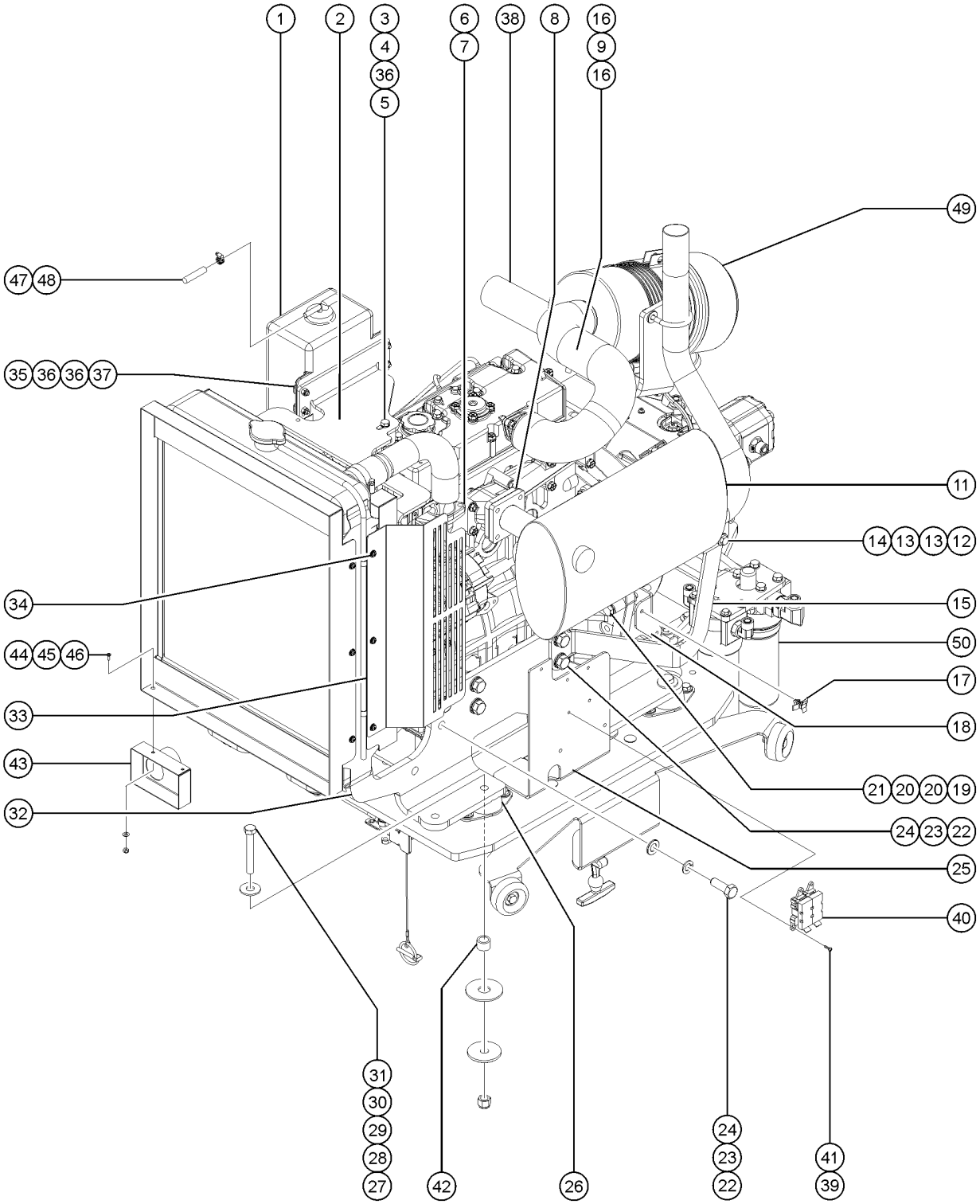
412.1 Perkins 404D-22 Engine, View 1



412.1 Perkins 404D-22 Engine, View 1

Item	Part No.	Description	Qty.
21	22736GT	NUT,NYLOCK,M10X1.50	
22	54687GT	SCREW,HHC,M14 X 1.5X40MM,GR8.8	10
23	37505GT	WASHER,LOCK,M14	
24	49411GT	WASHER,FLAT,M14	
25	217226GT	FORMING, ELECTRICAL PANEL	1
26	70452GT	ISOLATOR,ENGINE VIBRATION	4
27	8357GT	SCREW, HHC, 1/2-13 X 3.5	
28	6095GT	WASHER,FLAT,USS,1/2",Y	
29	101729GT	WASHER,VIBRATION ISOLATING	
30	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	
31	6198GT	NUT, NYLOCK, 1/2-13	
32A	88987PGT	FORMING,ENGINE MOUNT,LH PAINTE to SN Z452515A-53668	1
32B	161611GT	FORMING, ENGINE MOUNT, PERKINS from SN Z452515A-53668	
33	229691GT	GUARD,FAN,PERKINS	1
34	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	
35	6888GT	SCREW, HHC, 1/4-20 X 1	
36	6638GT	WASHER, FLAT, USS, 1/4"Y	
37	6091GT	NUT,NYLOCK,1/4-20	
38	217525GT	HOSE, PERKINS INTAKE	1
39	56286GT	SCREW,RHM,8-32 X .75	
40	218221GT	ASSY,FUSE BLOCK,LMI,1 POLE	1
41	18605GT	NUT,NYLOCK,8-32	
42	219991GT	SPACER,19.1 OD X 13.5 ID X 15.9	4
43	219181GT	WELDMENT, INTAKE BOX	1
44	49819GT	SCREW,PHILLIPS,PHM,10-32 X .5	
45	6146GT	WASHER,FLAT,MS,#10,Y	
46	6178GT	NUT, NYLOCK, 10-32	

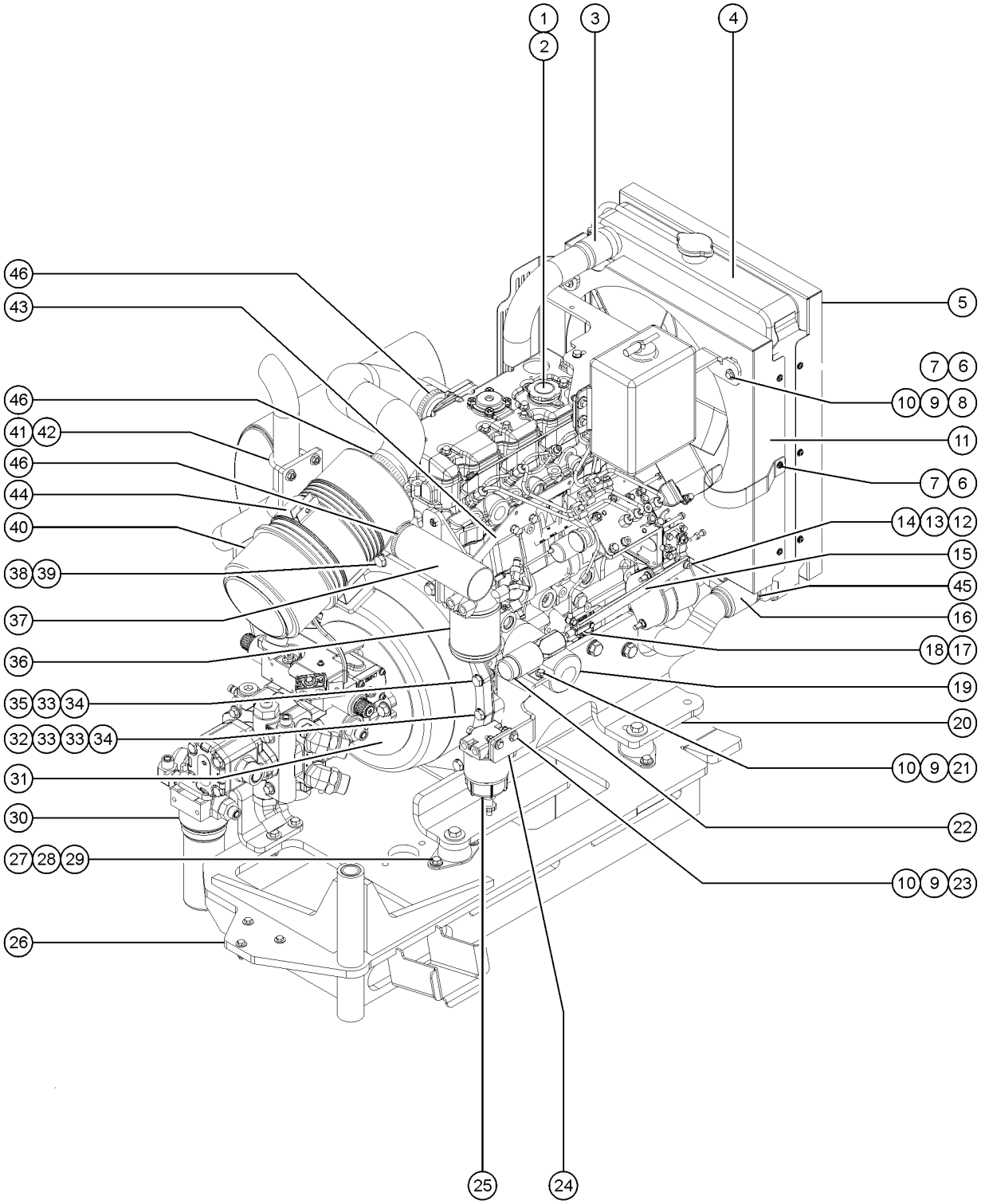
412.1 Perkins 404D-22 Engine, View 1



412.1 Perkins 404D-22 Engine, View 1

Item	*Part No.*	*Description*	*Qty.*
47	106226GT	TUBING,VINYL,1/2" CLEAR	30-inches
48	21465GT	CLAMP,HOSE, .25" TO .63" X .3125"	1
49		Ref: Air Cleaner refer to 413.1	
50		Ref: Filter Assy refer to 418.1	

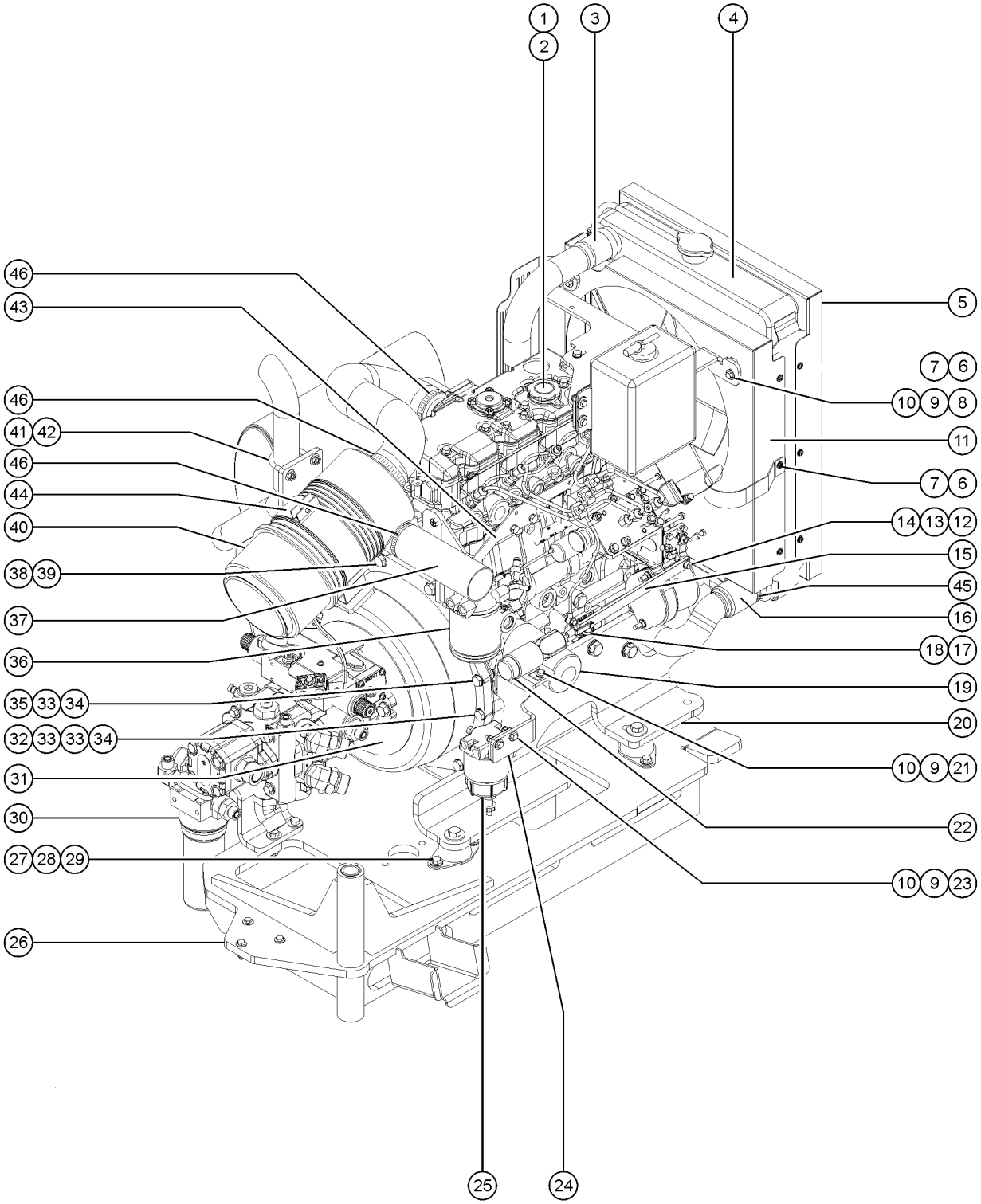
413.1 Perkins 404D-22 Engine, View 2



413.1 Perkins 404D-22 Engine, View 2

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
1	65636GT	CAP, OIL FILLER	1
2	65638GT	SEAL, OIL FILLER CAP	1
3	54578GT	HOSE,UPPER RADIATOR,PERKINS	1
4	110304GT	RADIATOR,FORD/PERKINS***	1
4-	24038GT	SHOCK MOUNT,SMALL	
4-	65473GT	CAP,RADIATOR,PERKINS/FORD	
4-	77482GT	PULLEY, WATER PUMP	
4-	1252943GT	SPACER,FAN,PERKINS 404F	
5	235660GT	FORMING,RADIATOR SHROUD	1
6	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	
7	6146GT	WASHER,FLAT,MS,#10,Y	
8	6888GT	SCREW, HHC, 1/4-20 X 1	
9	6638GT	WASHER, FLAT, USS, 1/4"Y	
10	6091GT	NUT,NYLOCK,1/4-20	
11	88990PGT	SHROUD,FAN PAINTED	1
12	119866GT	SCREW,SHS,M6X12MM,8MM	
13	33277GT	WASHER,FLAT,M8,YELLOW ZINC	
14	49364GT	NUT,NYLOCK,M6X1.00	
15	89953GT	FLATBAR,ALUM,THROTTLE LINKAGE	1
16	54579GT	HOSE,LOWER,RADIATOR,PERKINS	1
17	128984GT	DIPSTICK, STRAIGHT SHORT	1
18	128985GT	DIPSTICK TUBE, STRAIGHT SH	1
19	94762GT	OIL FILTER - PERKINS	1
20	88988PGT	FORMING,ENGINE MOUNT RH PAINTE	1
21	6090GT	SCREW, HHC, 1/4-20 X .75	
22	77402GT	SOLENOID,THROTTLE ACTUATOR DSL	1
22-	21130GT	CLEVIS YOKE-1/4-28,PLTD W/PIN	1

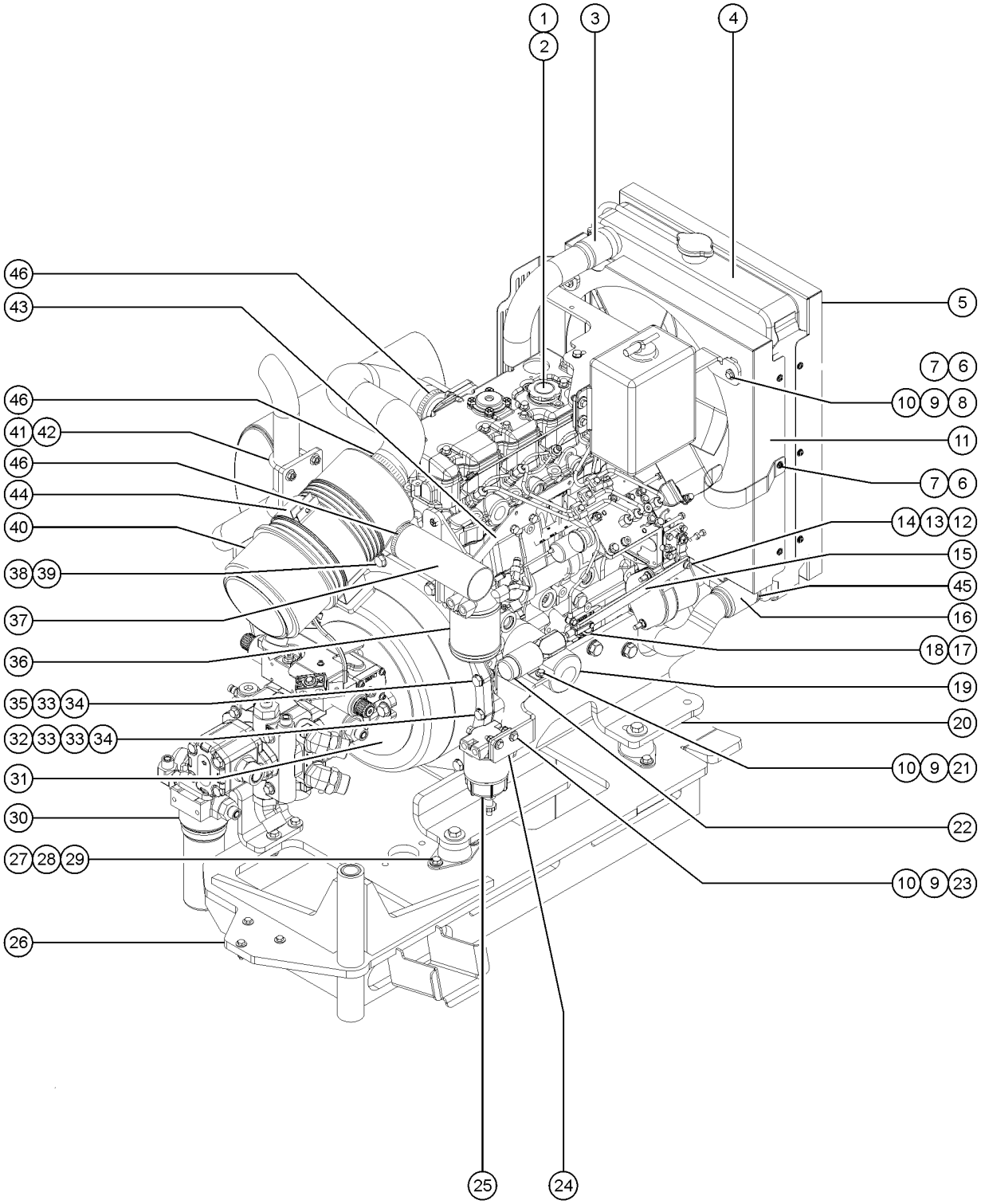
413.1 Perkins 404D-22 Engine, View 2



413.1 Perkins 404D-22 Engine, View 2

Item	Part No.	Description	Qty.
23	8915GT	SCREW, HHC, 1/4-20 X 1.25	
24	128588GT	FORMING,SOLENOID MOUNT	1
25	75020GT	SEPRTR/FLTR,FUEL DSL,15GPH,.30	2
25-	62433GT	FILTER,ELEMENT,30 MIC,75020	
26	217491GT	ASSEMBLY,ENGINE TRAY	3
26-	215593GT	FORMING, ENGINE COVER LATCH	
26-	45363GT	LATCH,FLEXIBLE	
26-	75041GT	SCREW,PHILLIPS,PHM,10-32 X 1	
26-	6178GT	NUT, NYLOCK, 10-32	
26-	50974GT	BUMPER,RUBBER,COVERS	
26-	25817GT	BEARING,1.00IDX1.25ODX1.00L	
26-	54244GT	BRACKET,LATCH MOUNT,RH***	
26-	27126GT	LATCH,DRAW,ADJUSTABLE	
26-	40658GT	WASHER,FLAT,RETAINING,.510	
26-	54432GT	LANYARD,LYNCH PIN ASSY	
27	8516GT	SCREW, HCC, 3/8-16 X 1.50	
28	5397GT	WASHER, FLAT, USS, 5/16-18	
29	4828GT	NUT, NYLOCK, 3/8-16	
30		Ref. FILTER ASSY (refer to 418.1)	
31	54573GT	PUMP MOUNT KIT,PERKINS DSL	1
32	85053GT	SCREW,HHC,M10 X 1.5 X70,GR 8.8	3
33	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
34	22736GT	NUT,NYLOCK,M10X1.50	
35	85059GT	SCREW,HHC,M10 X 1.5 X 35	
36	1262484GT	FUEL FILTER ASSY,PERKINS 404D/	1
36-	62421GT	FILTER,FUEL,PERKINS	
37	34162GT	HOSE,AIR INTAKE 2.50" I.D	1
38	27584GT	SCREW,HHC,M12 X 35MM	

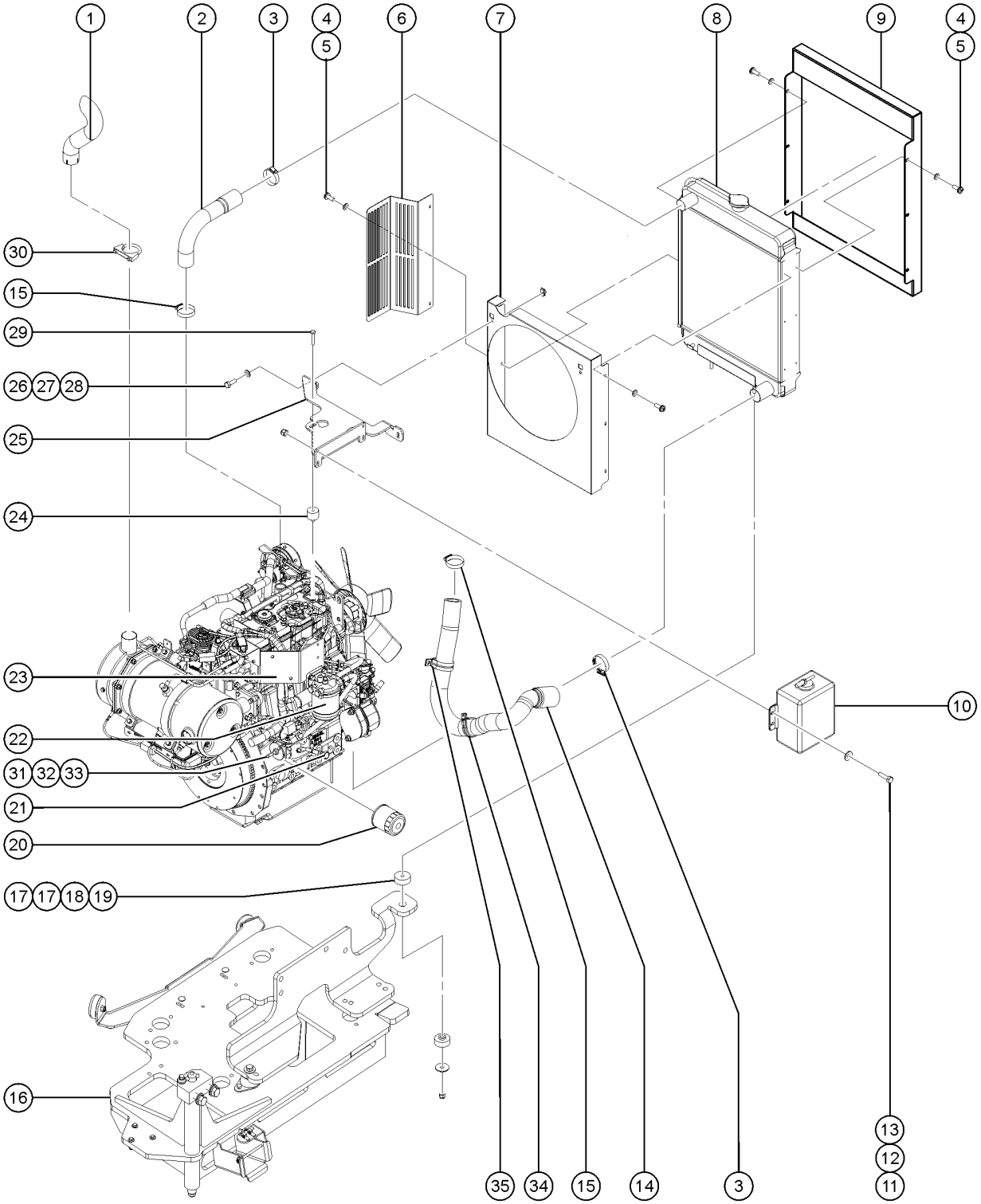
413.1 Perkins 404D-22 Engine, View 2



413.1 Perkins 404D-22 Engine, View 2

Item	Part No.	Description	Qty.
39	49410GT	WASHER, FLAT, M12	
40	63463GT	AIR CLEANER,NELSON*** plastic housing	1
40-	58415GT	CLIP,AIR CLEANER END CAP*** end cap not available separately	
40-	62420GT	FILTER, AIR D2.9L4	
40-	65810GT	BAFFLE, AIR CLEANER (27915)**	
40-	52866GT	EVACUATOR VALVE-AIR CLEANER	
40-	53952GT	BRKT,AIR CLEANER ORIENTATION**	
41	80391GT	U-BOLT,5/16 -18 X 2IN**	1
42	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	
43	217228GT	BRACKET,RIGHT HARNESS MT	1
44	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
45	35434GT	CLAMP,HOSE,2.00***	1
46	45435GT	CLAMP,HOSE,2.50"	3

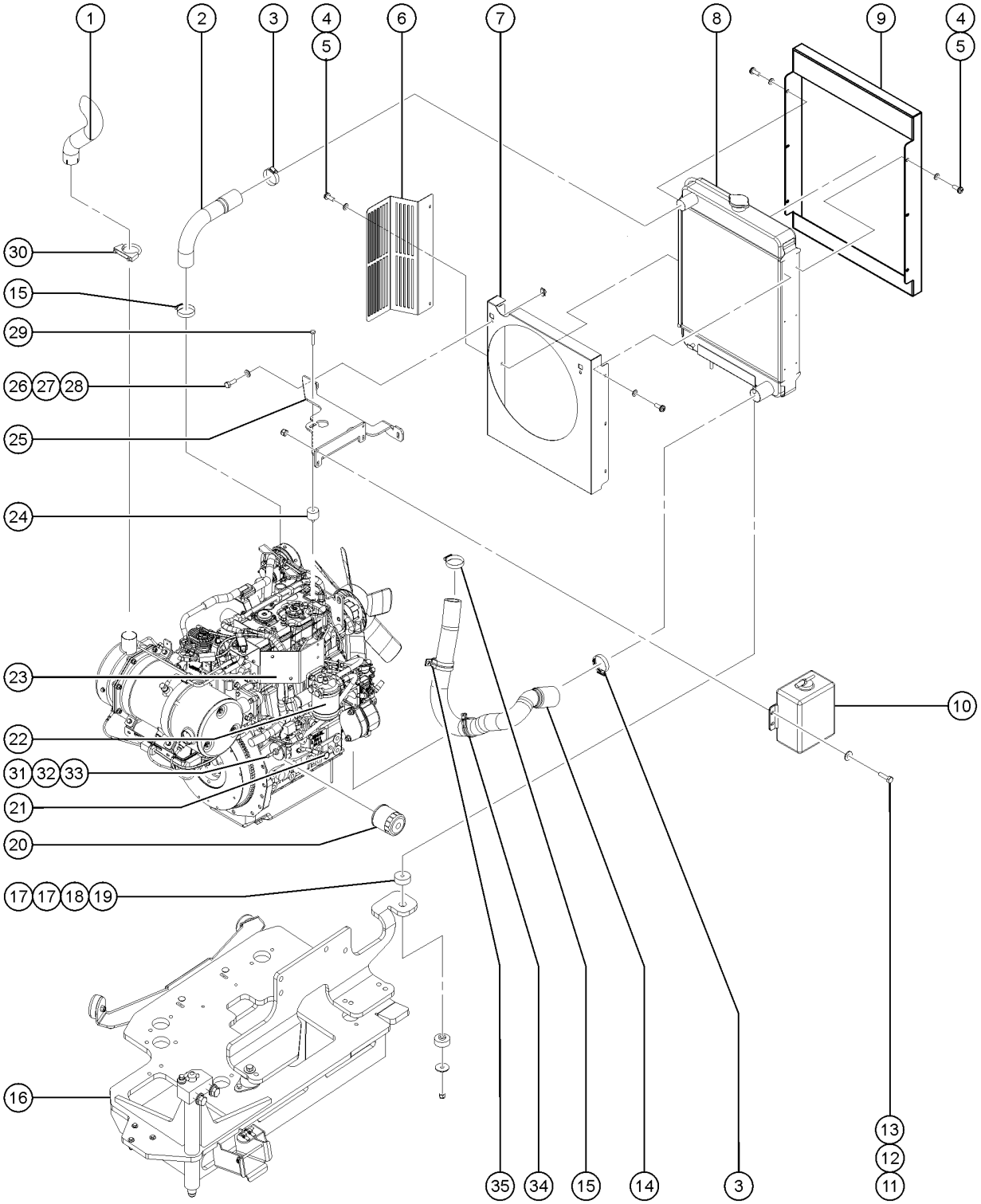
414.1 Perkins 404F-22 Engine, View 1



414.1 Perkins 404F-22 Engine, View 1

Item	Part No.	Description	Qty.
		Verify Engine Make and Model Before Ordering	
A	214335GT	ENGINE,PERKINS,DIESEL,404F-22	
B	1257825GT	HARDWARE KIT,PERKINS 404F BELL	
C	1262866GT	FAN BELT, ALTERANTOR	
D	1262867GT	V-BELT, DEUTZ also used on certain Perkins engine installations	
E	1262487GT	BELT,AIR PUMP,PERKINS 404F-22T	
F	1262027GT	PRESSURE PUMP,PERKINS 404F-22T	
G	216065GT	ECM, PERKINS 404F-22 provide engine serial number when ordering	
1	217688GT	TAILPIPE, Z45 PERK 404F-22	1
2	54578GT	HOSE,UPPER RADIATOR,PERKINS	1
3	22672GT	CLAMP,HOSE,1.75	2
4	21019GT	SCREW,PHIL,PHM,10-24 X.5,SEMS	
5	6146GT	WASHER,FLAT,MS,#10,Y	
6	217712GT	GUARD, FAN, PERKINS TIER 4	1
7	88990PGT	SHROUD,FAN PAINTED	1
8	110304GT	RADIATOR,FORD/PERKINS***	1
8-	65473GT	CAP,RADIATOR,PERKINS/FORD	
9	235660GT	FORMING,RADIATOR SHROUD	1
10	70367GT	BOTTLE,COOLANT RECOVERY,3.7*** overflow tube is 16"	1
10-	115431GT	CAP ASSY, COOLANT BOTTLE	
10-	106226-1600GT	TUBING, VINYL, 1/2" CLEAR,16"	
11	6888GT	SCREW, HHC, 1/4-20 X 1	
12	5397GT	WASHER, FLAT, USS, 5/16-18	
13	6091GT	NUT,NYLOCK,1/4-20	
14	54579GT	HOSE,LOWER,RADIATOR,PERKINS	1
15	36208GT	CLAMP,HOSE,1.25***	2
16		Ref. Engine Tray refer to 418.1	
17	24038GT	SHOCK MOUNT,SMALL	2

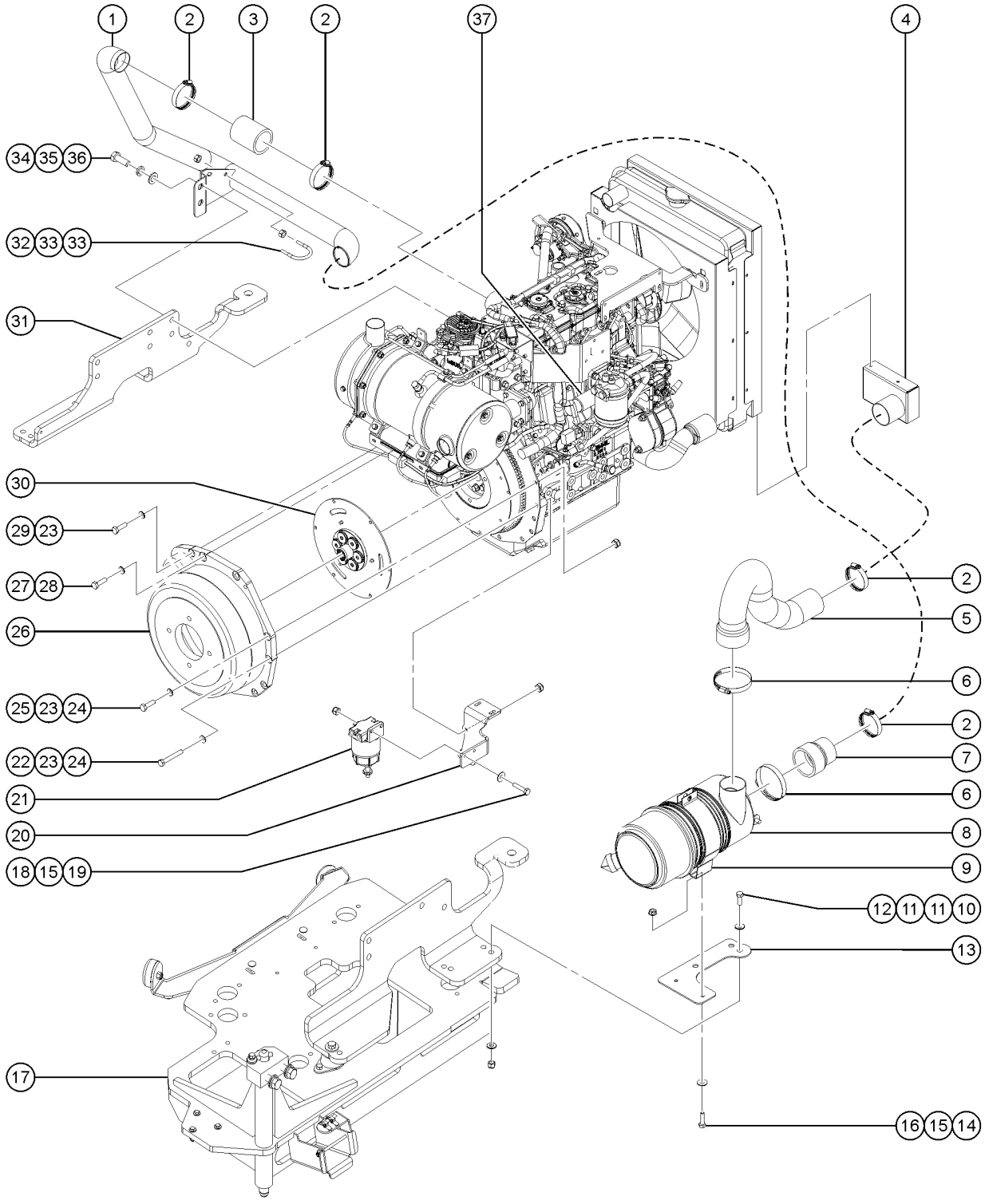
414.1 Perkins 404F-22 Engine, View 1



414.1 Perkins 404F-22 Engine, View 1

Item	Part No.	Description	Qty.
18	15086GT	WASHER,FLAT,.375 X 1.5 X .125	
19	4828GT	NUT, NYLOCK, 3/8-16	
20	94762GT	OIL FILTER - PERKINS	1
21	128984GT	DIPSTICK, STRAIGHT SHORT	1
21-	128985GT	DIPSTICK TUBE, STRAIGHT SH	1
22	1262484GT	FUEL FILTER ASSY,PERKINS 404D/	1
22-	62421GT	FILTER,FUEL,PERKINS	
23	161395GT	FORMING, FILTER MOUNT, 404F	
23-	161396GT	FORMING, SUPPORT, 404F	
24	60585GT	ISOLATOR,VIBRATION,M8 MALE/FEM	1
25	88989PGT	FORMING,UPPER RAD SUPPORT PNTD	1
26	6090GT	SCREW, HHC, 1/4-20 X .75	
27	6638GT	WASHER, FLAT, USS, 1/4"Y	
28	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG replaced 73871	1
29	28214GT	SCREW,HHC,M8 X 45	1
30	102121GT	CLAMP,MUFFLER,1-7/8 IN.	1
31	1252941GT	SWITCH,OIL PRESS,PERKINS 404F from SN Z452515A-53160	1
32	139936GT	ADAPTER,EYEBOLT from SN Z452515A-53160	1
33	101085GT	GASKET from SN Z452515A-53160	2
34	6653GT	CLAMP, 1.88, #30 X 1/4, RUB CUSH use to secure hose	1
35	39518GT	CLAMP,2.00,#32 X 3/8,RUB CUSH use to secure hose	1

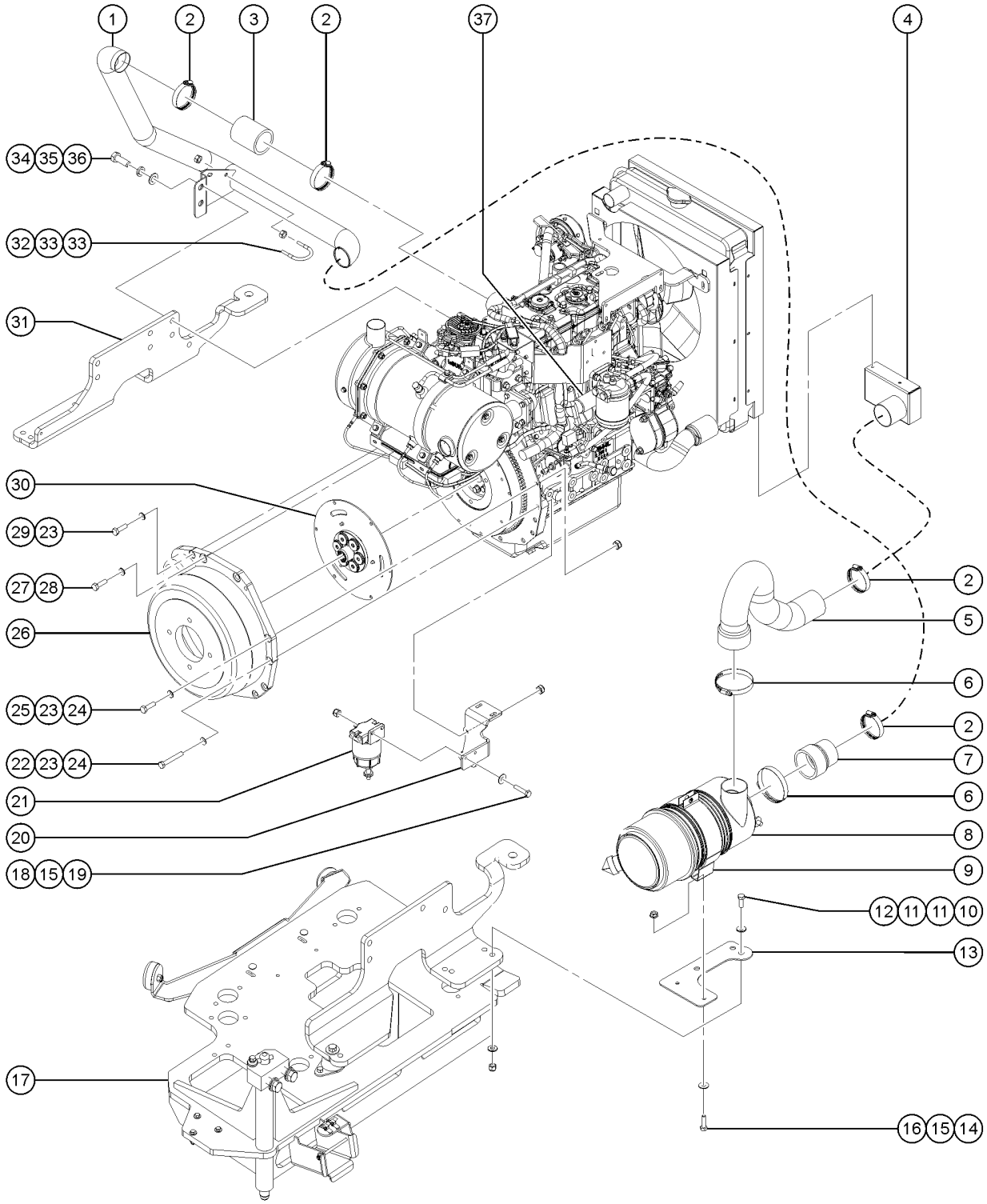
415.1 Perkins 404F-22 Engine, View 2



415.1 Perkins 404F-22 Engine, View 2

Item	Part No.	Description	Qty.
-		Verify Engine Make and Model Before Ordering	
A-	106663GT	SOLENOID,SHUT DOWN PERKIN40422	1
1	217703GT	WDMT, PERKINS INTAKE AIR HOSE	1
2	35434GT	CLAMP,HOSE,2.00***	4
3	217187GT	HOSE, INTAKE, 2"ID X 3"	1
4	219181GT	WELDMENT, INTAKE BOX	1
5	45435GT	CLAMP,HOSE,2.50"	1
6	30971GT	CLAMP,HOSE,3.00"	2
7	216150GT	ADAPTER, AIR HOSE, PERK 404F	1
8	63463GT	AIR CLEANER,NELSON*** plastic housing	1
8-	58415GT	CLIP,AIR CLEANER END CAP*** end cap not available separately	
8-	62420GT	FILTER, AIR D2.9L4	
8-	65810GT	BAFFLE, AIR CLEANER (27915)**	
8-	52866GT	EVACUATOR VALVE-AIR CLEANER	
9	53952GT	BRKT,AIR CLEANER ORIENTATION**	1
10	8177GT	SCREW,HHC,1/2-13 X 1.5	1
11	6095GT	WASHER,FLAT,USS,1/2",Y	
12	6198GT	NUT, NYLOCK, 1/2-13	
13	215472GT	PLATE, AIR CLEANER, 404F-22	1
14	6888GT	SCREW, HHC, 1/4-20 X 1	
15	6638GT	WASHER, FLAT, USS, 1/4"Y	
16	18504GT	NUT,LOCKING-LG.FLANGE,1/4-20	
17		Ref. Engine Tray refer to 418.1	
18	8915GT	SCREW, HHC, 1/4-20 X 1.25	
19	6091GT	NUT,NYLOCK,1/4-20	
20	128588GT	FORMING,SOLENOID MOUNT	1
21A	56949GT	FILTER/SEPARATOR,FUEL DIESEL** to SN Z452515A-54008	3
21A-	42767GT	SEPARATOR/FILTER ELEMENT,FUEL*	1

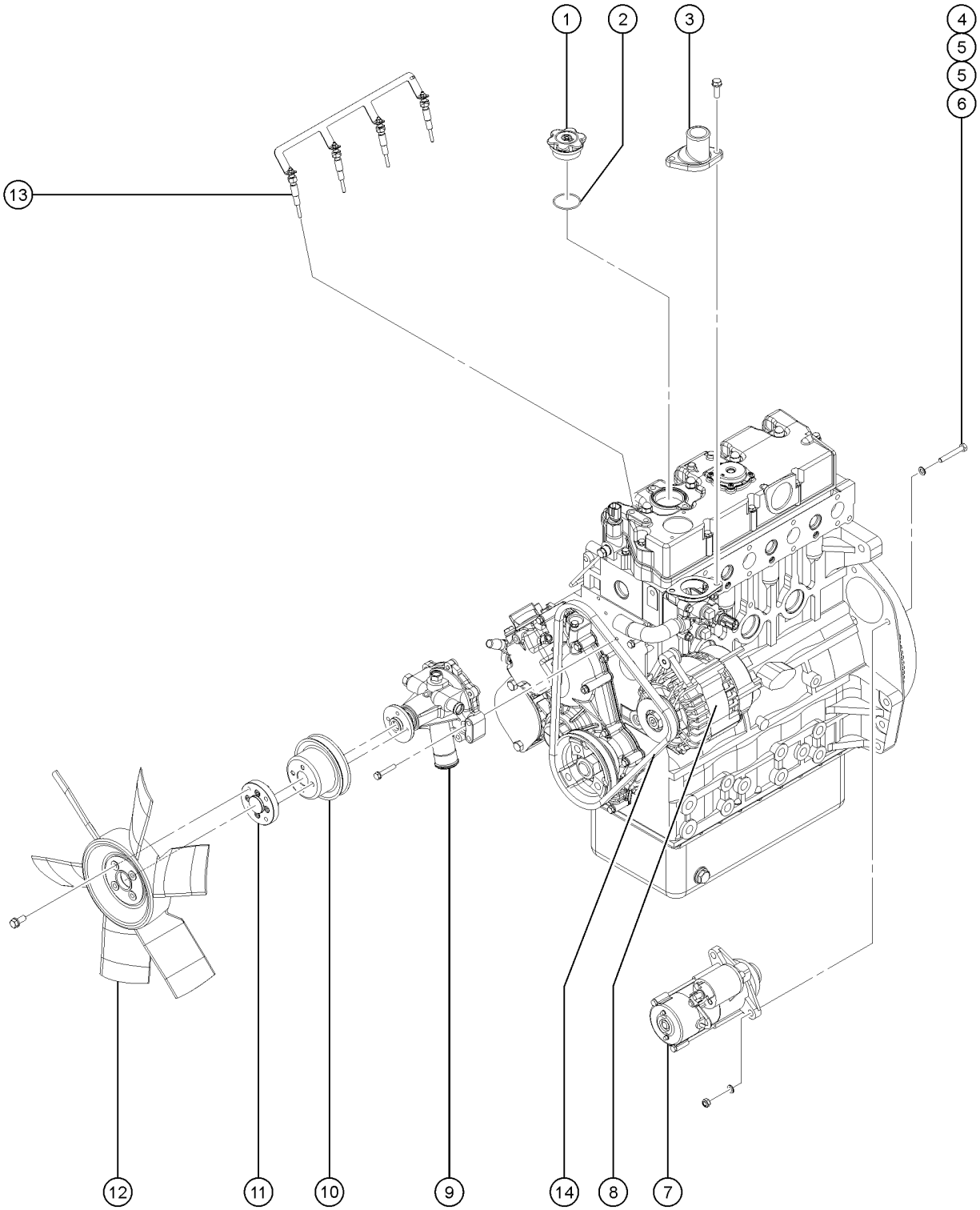
415.1 Perkins 404F-22 Engine, View 2



415.1 Perkins 404F-22 Engine, View 2

Item	Part No.	Description	Qty.
21A-	54205GT	HOSE END,BARB,1/4 MNPTX5/16,90	1
21A-	54437GT	HOSE END,BARB,1/4 MNPTX5/16,ST	1
21B	147826GT	SEPRTR/FLTR,FUEL DSL,15GPH,.30 from SN Z452515A-54009	1
21B-	75020GT	SEPRTR/FLTR,FUEL DSL,15GPH,.30	1
21B-	54205GT	HOSE END,BARB,1/4 MNPTX5/16,90	1
21B-	54437GT	HOSE END,BARB,1/4 MNPTX5/16,ST	1
22	85053GT	SCREW,HHC,M10 X 1.5 X70,GR 8.8	3
23	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
24	22736GT	NUT,NYLOCK,M10X1.50	
25	85059GT	SCREW,HHC,M10 X 1.5 X 35	3
26	824507GT	PUMP MOUNT,PERKINS 404F-22	1
27	27584GT	SCREW,HHC,M12 X 35MM	
28	49410GT	WASHER, FLAT, M12	
29	128061GT	SCREW, HHC, M10 X 1.5 X 50	
30	128022GT	KIT,FBA STYLE COUPLER,PERKINS includes 15-tooth coupler (128003), fastener kit (1263209) and grease	1
30-	128003GT	COUPLER,15 TOOTH,FBA,PERKINS** includes grease	1
30-	128024GT	SCREW, HHC, M8 X 1.25 X 12	6
30-	128025GT	GREASE,SERVICE PACKET	1
31		Ref. Forming Engine Mount refer to 418.1	
32	80391GT	U-BOLT,5/16 -18 X 2IN**	1
33	18503GT	NUT, LOCKING - LG FLANGE 5/16 - 18	4
34	54687GT	SCREW,HHC,M14 X 1.5X40MM,GR8.8	2
35	37505GT	WASHER,LOCK,M14	
36	49411GT	WASHER,FLAT,M14	
37	1279271GT	SOLENOID,SHUTDOWN,PERKINS,404F-22	1

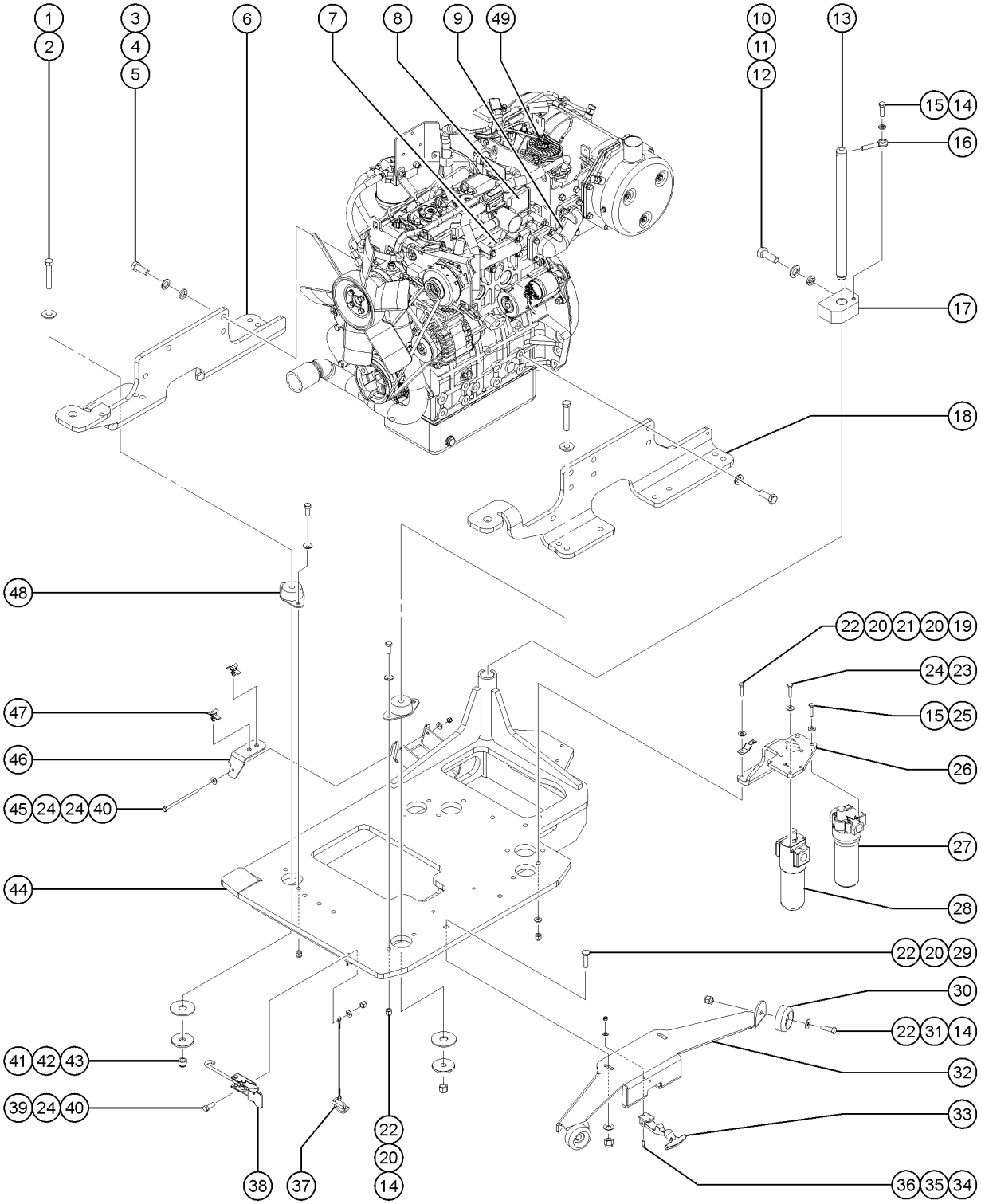
416.1 Perkins 404F-22 Engine, View 3



416.1 Perkins 404F-22 Engine, View 3

Item	Part No.	Description	Qty.
A-		Verify Engine Make and Model Before Ordering	
B-		For internal engine parts, contact engine dealer	
C-	1252941GT	SWITCH,OIL PRESS,PERKINS 404F	
D-	97473GT	SENSOR,WATER TEMPERATURE	
E-	85155GT	PUMP,PRIMER,PERKINS***	
F-	128991GT	THERMOSTAT	
F-	147355GT	GASKET-THERMOSTAT HSG for 128991, Engine block Thermostat	
F-	77477GT	GASKET,THERMOSTAT HSG Vertical Thermostat	
G-	1252944GT	PUMP,FUEL LIFT,PERKINS 404F	
1	65636GT	CAP, OIL FILLER	1
2	65638GT	SEAL, OIL FILLER CAP	1
3	128986GT	WATER OUTLET, VERTICAL	1
4	128061GT	SCREW, HHC, M10 X 1.5 X 50	
5	22699GT	WASHER, FLAT, M10, ZINC PLTD.	
6	22736GT	NUT,NYLOCK,M10X1.50	
7	1252940GT	STARTER,PERKINS 404F	1
8	1251814GT	ALTERNATOR - 85 AMP, INT REGU	1
9	1252942GT	PUMP,WATER,PERKINS 404F	1
10	77482GT	PULLEY, WATER PUMP	1
11	1252943GT	SPACER,FAN,PERKINS 404F	1
12	77483GT	FAN, ENGINE (104-22)(404-22)*	1
13	77736GT	GLOW PLUG (PERKINS 404-22)	4
14	89765GT	BELT, V (PERKINS 404)	1

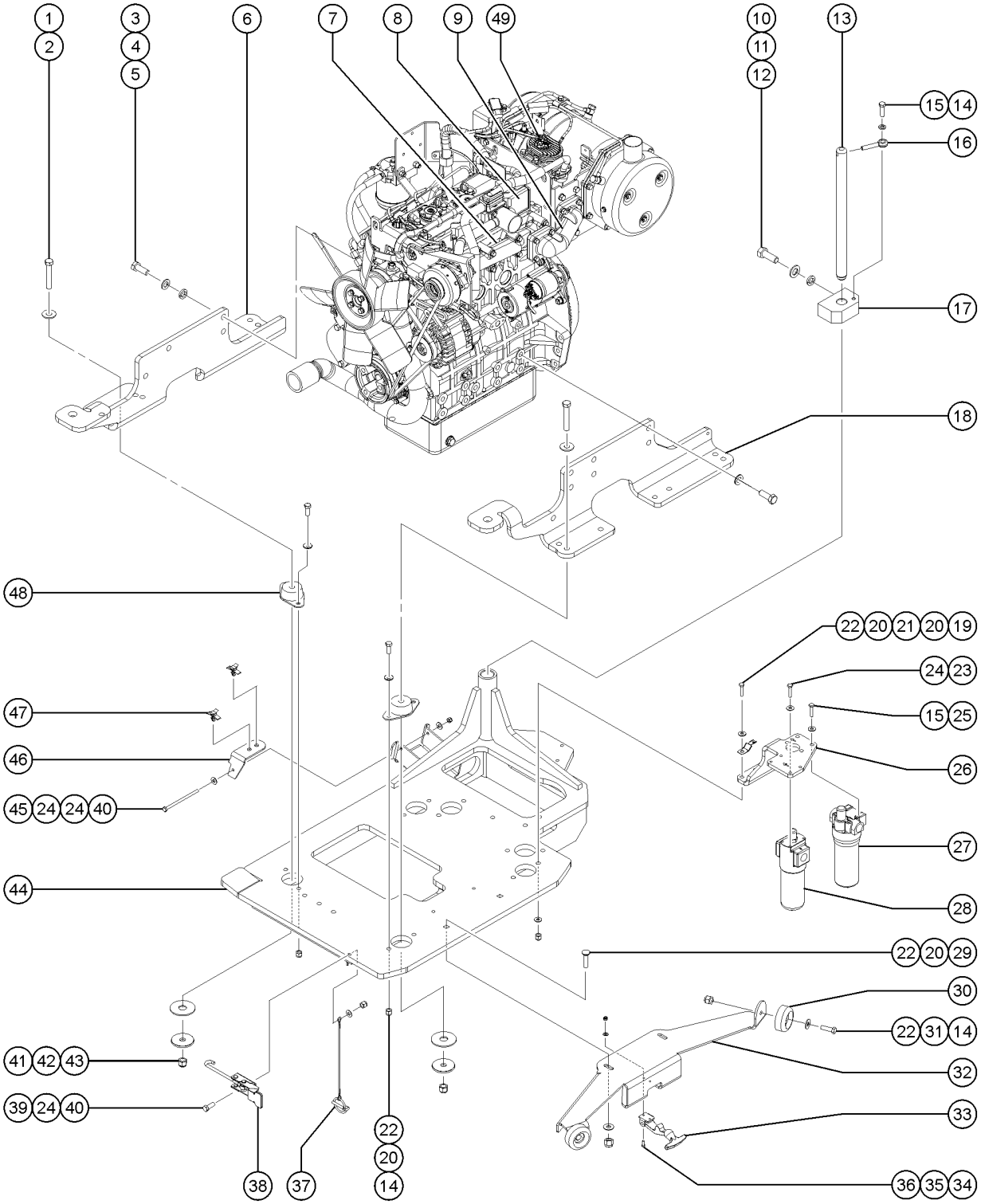
417.1 Perkins 404F-22 Engine, View 4



417.1 Perkins 404F-22 Engine, View 4

Item	Part No.	Description	Qty.
		Verify Engine Make and Model Before Ordering	
1	8357GT	SCREW, HHC, 1/2-13 X 3.5	
2	6095GT	WASHER,FLAT,USS,1/2",Y	
3	54687GT	SCREW,HHC,M14 X 1.5X40MM,GR8.8	6
4	37505GT	WASHER,LOCK,M14	6
5	49411GT	WASHER,FLAT,M14	6
6	88988PGT	FORMING,ENGINE MOUNT RH PAINTE	1
7A	1251815GT	MANIFOLD,EXHAUST,PERKINS 404F	1
7B	1251819GT	GASKET,EXHAUST MANIFOLD,PERK	1
7C	1251995GT	STUD,EXHAUST,PERKINS 404F	1
7D	1251996GT	NUT,EXHAUST,PERKINS 404F	1
8	94887GT	INTAKE MANIFOLD	1
9A	1251816GT	FLANGE,EXHAUST,PERKINS 404F	1
9B	1251818GT	GASKET,EXHAUST ELBOW,PERKINS	1
10	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	2
11	6036GT	WASHER,LOCK,.625 PLTD	
12	13064GT	WASHER,FLAT,.625 HARDENED	
13	107803GT	PIN,1.00DIAX15.56LG,CHAMFER	1
14	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
15	6021GT	WASHER, LOCK, .375	
16	1255452GT	ROD END,.375 X 2.25,ZAG	1
17	107805GT	EAR, ENGINE TRAY PIVOT	1
18	88987PGT	FORMING,ENGINE MOUNT,LH PAINTE	1
19	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
20	5397GT	WASHER, FLAT, USS, 5/16-18	
21	99346GT	CLIP, METAL MOUNTING	1
22	4828GT	NUT, NYLOCK, 3/8-16	
23	6090GT	SCREW, HHC, 1/4-20 X .75	

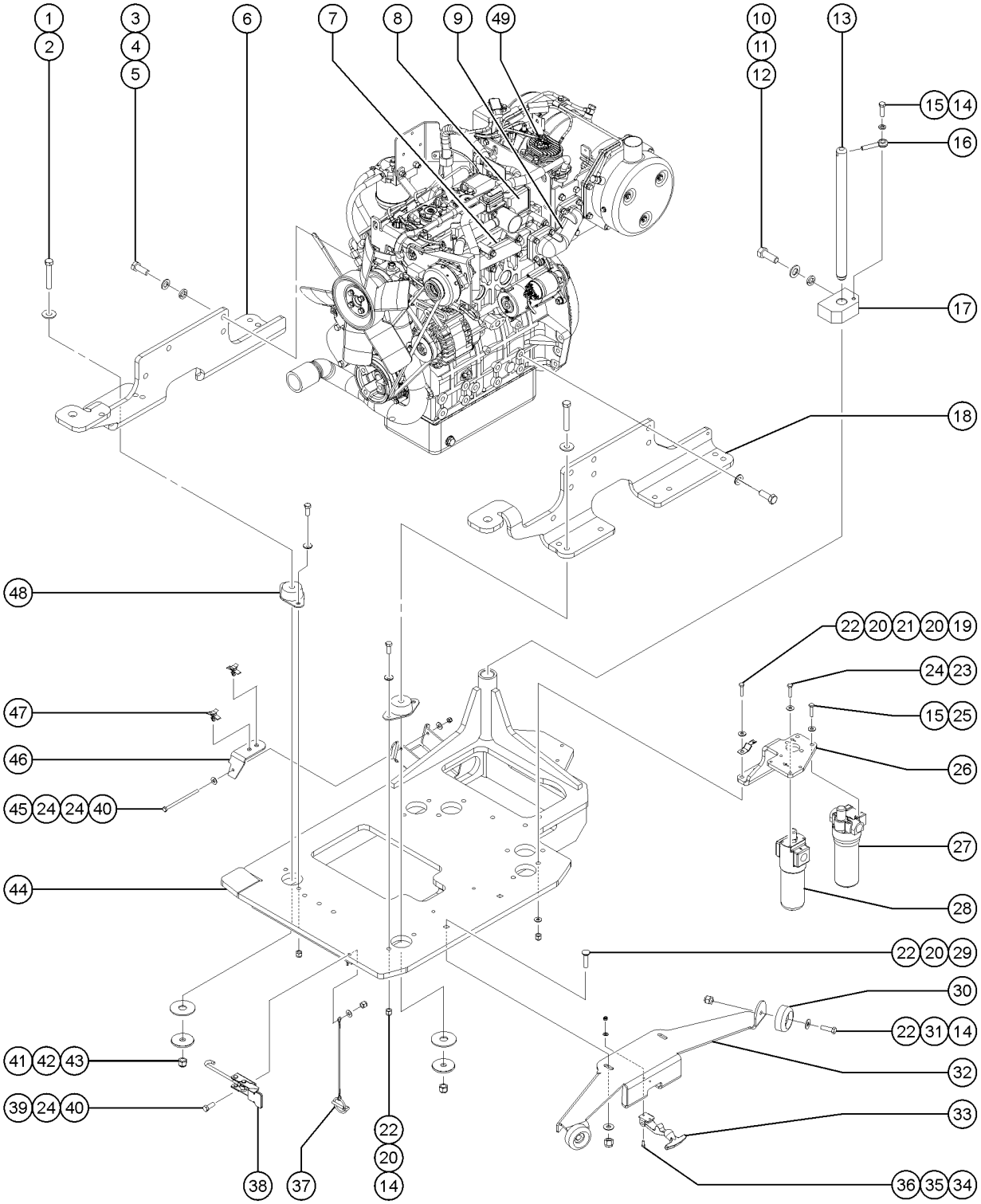
417.1 Perkins 404F-22 Engine, View 4



417.1 Perkins 404F-22 Engine, View 4

Item	Part No.	Description	Qty.
24	6638GT	WASHER, FLAT, USS, 1/4"Y	
25	6175GT	SCREW,HHC,3/8-16 X 1	
26	235654GT	FORMING,OIL FILTER BRACKET	1
27	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1
27-	58222GT	O-RING,FILTER ASSY (60334)***	
27-	58223GT	SEAL,FILTER ASSY (60334)***	
27-	58380GT	FILTER INDICATOR-(60334)	
27-	60857GT	FILTER,ELEMENT,BETA(5)=1000	
28		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
28-	58222GT	O-RING,FILTER ASSY (60334)*** for 77139	
28-	58223GT	SEAL,FILTER ASSY (60334)*** for 77139	
28-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
28A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
28A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
29	112572GT	BOLT,CARRIAGE,3/8-16X1.75	
30	50974GT	BUMPER,RUBBER,COVERS	2
31	6097GT	WASHER, FLAT, USS, 3/8", Y	
32	215593GT	FORMING, ENGINE COVER LATCH	
33	45363GT	LATCH,FLEXIBLE	1
34	48916GT	CONN, 520120-6	
35	6146GT	WASHER,FLAT,MS,#10,Y	
36	6178GT	NUT, NYLOCK, 10-32	
37	54432GT	LANYARD,LYNCH PIN ASSY	1
38	27126GT	LATCH,DRAW,ADJUSTABLE	1
39	6145GT	SCREW, HHC, 1/4-20 X 1.5	
40	6091GT	NUT,NYLOCK,1/4-20	
41	101729GT	WASHER,VIBRATION ISOLATING	
42	24040GT	WASHER, 1/2 PLATE (1/2 X 2.25 X 3/16)	

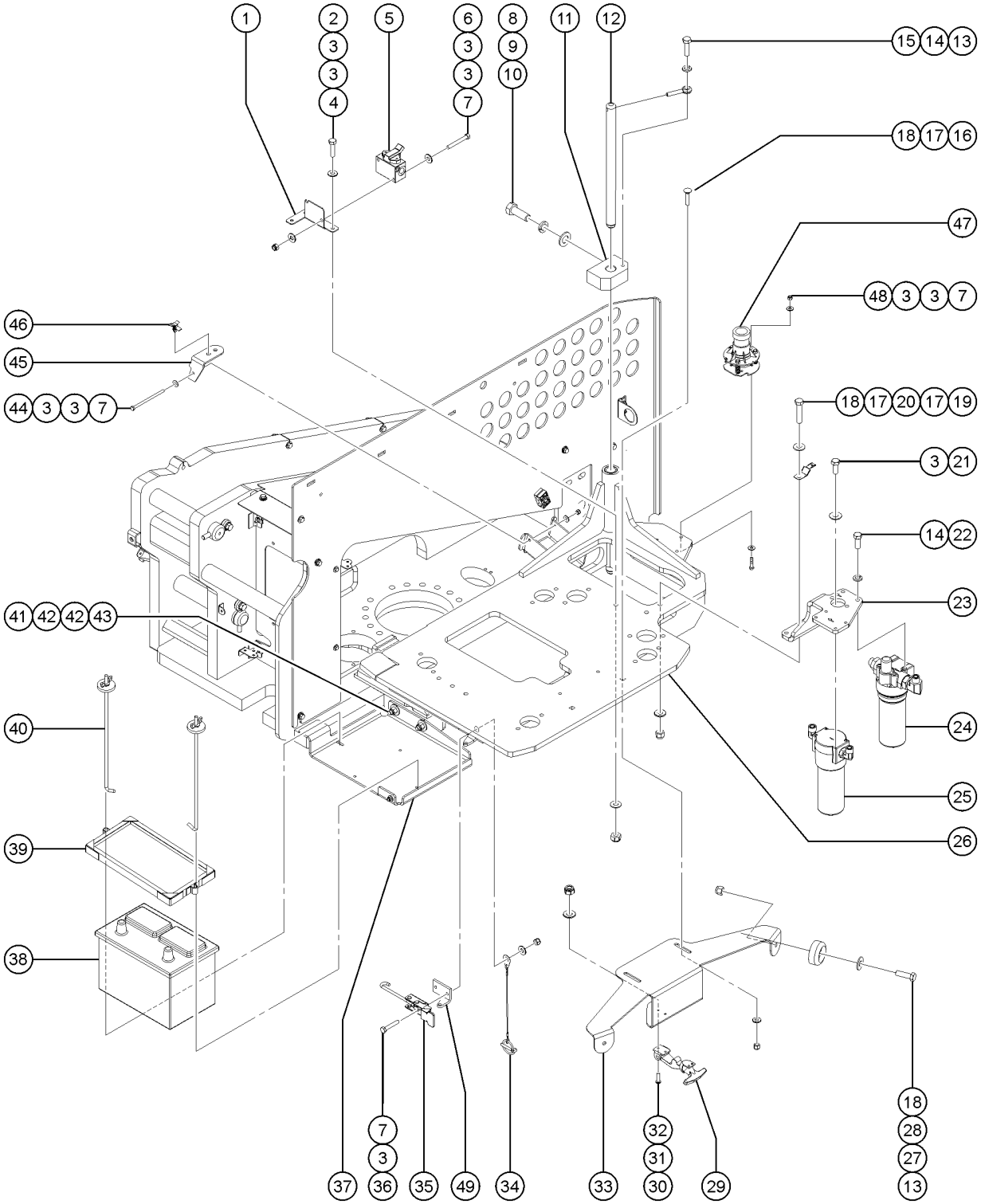
417.1 Perkins 404F-22 Engine, View 4



417.1 Perkins 404F-22 Engine, View 4

Item	*Part No.*	*Description*	*Qty.*
43	6198GT	NUT, NYLOCK, 1/2-13	
44	235649GT	WELDMENT, ENGINE TRAY	1
45	74254GT	SCREW,HHC,1/4-20 X 4.5	
46	219353GT	FORMING, FUEL LINE BRACKET	1
47	105214GT	CABLE TIE MOUNT, WINGED	2
48	70452GT	ISOLATOR,ENGINE VIBRATION	1
49	826856GT	FITTING, 90 DEG, #4FJX-#4FP (fuel line)	1

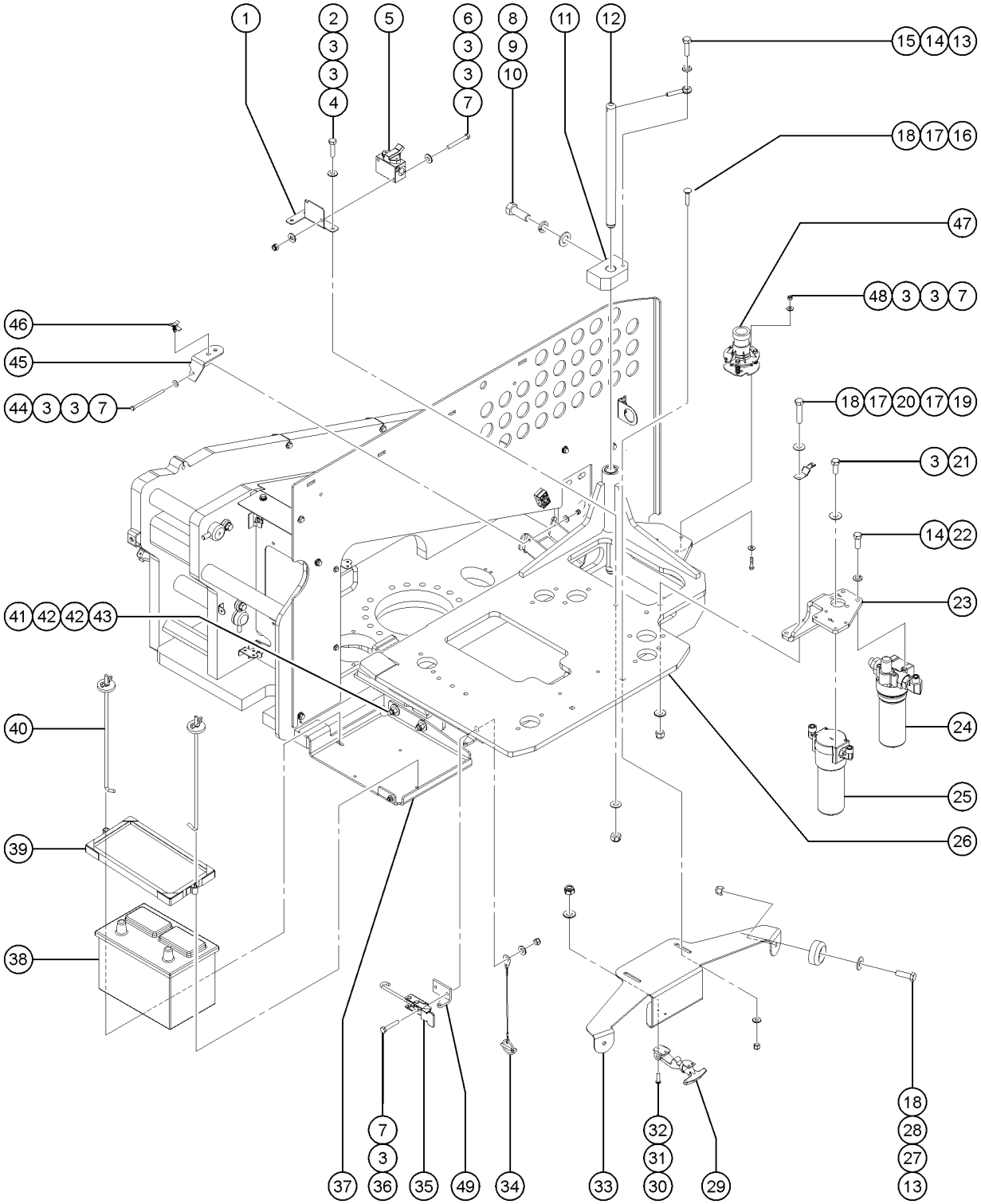
418.1 Engine Tray



418.1 Engine Tray

Item	Part No.	Description	Qty.
1	111699GT	FORMING,FUEL PRES.REG MNT	1
2	13000GT	SCREW,HHC,5/16-18 X 1.25	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6782GT	NUT, NYLOCK, 5/16-18	
5	122246GT	REGULATOR,FUEL PRESS,TME27'07	1
6	4266GT	SCREW,HHC,1/4-20 X 2	
7	6091GT	NUT,NYLOCK,1/4-20	
8	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	2
9	6036GT	WASHER,LOCK,.625 PLTD	
10	13064GT	WASHER,FLAT,.625 HARDENED	
11	107805GT	EAR, ENGINE TRAY PIVOT	1
12	107803GT	PIN,1.00DIAX15.56LG,CHAMFER	1
13	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
14	6021GT	WASHER, LOCK, .375	
15	1255452GT	ROD END,.375 X 2.25,ZAG	1
16	112572GT	BOLT,CARRIAGE,3/8-16X1.75	
17	5397GT	WASHER, FLAT, USS, 5/16-18	
18	4828GT	NUT, NYLOCK, 3/8-16	
19	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
20	99346GT	CLIP, METAL MOUNTING	1
21	6090GT	SCREW, HHC, 1/4-20 X .75	
22	6175GT	SCREW,HHC,3/8-16 X 1	
23	235654GT	FORMING,OIL FILTER BRACKET	1
24	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1
24-	58222GT	O-RING,FILTER ASSY (60334)***	
24-	58223GT	SEAL,FILTER ASSY (60334)***	
24-	58380GT	FILTER INDICATOR-(60334)	
24-	60857GT	FILTER,ELEMENT,BETA(5)=1000	

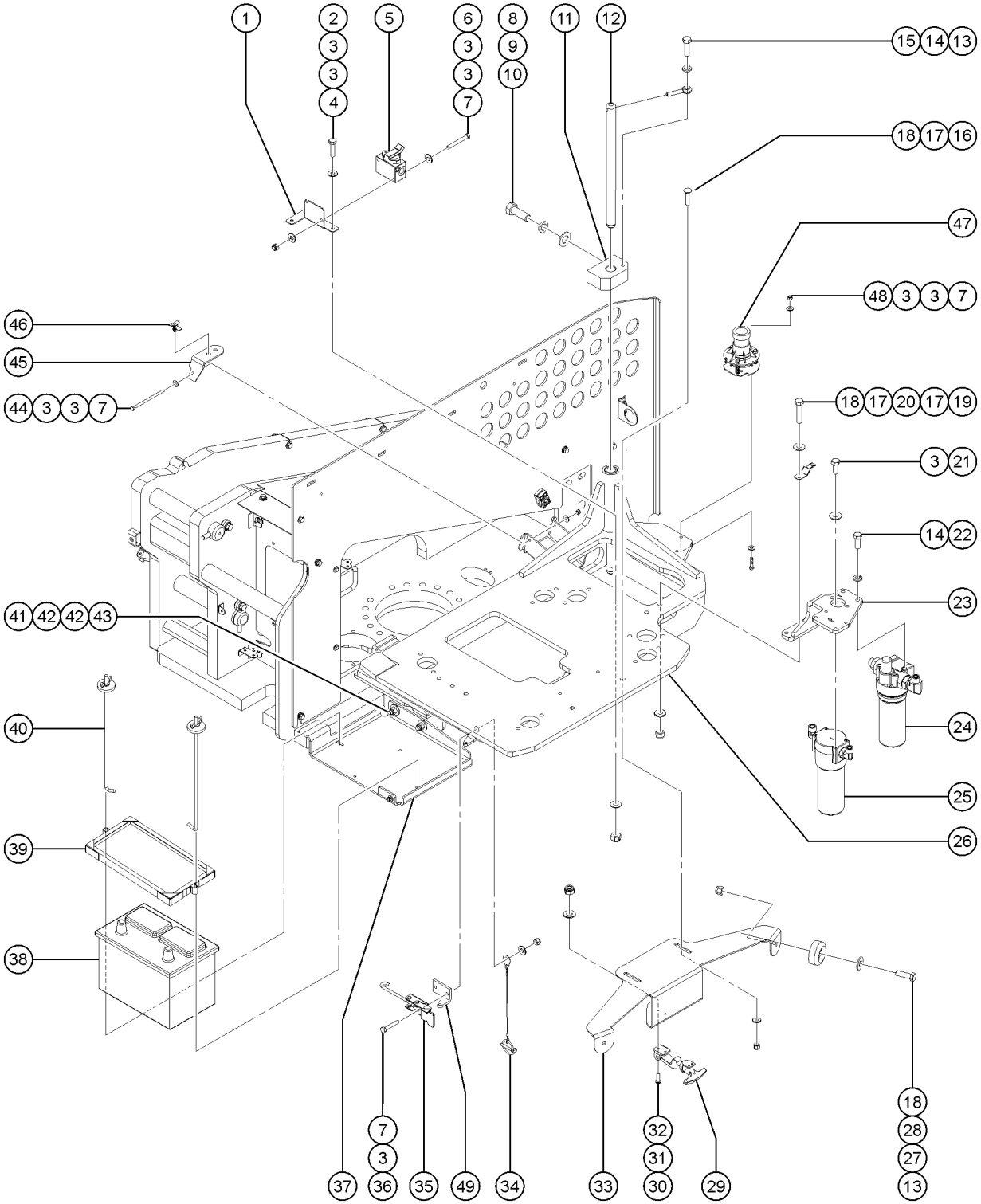
418.1 Engine Tray



418.1 Engine Tray

Item	Part No.	Description	Qty.
25A		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
25A-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
25B	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8 (from sn Z452516N-56221)	1
25B-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
26	235649GT	WELDMENT, ENGINE TRAY	1
27	6097GT	WASHER, FLAT, USS, 3/8", Y	
28	50974GT	BUMPER,RUBBER,COVERS	2
29	45363GT	LATCH,FLEXIBLE	1
30	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	
31	6146GT	WASHER,FLAT,MS,#10,Y	
32	6178GT	NUT, NYLOCK, 10-32	
33	215593GT	FORMING, ENGINE COVER LATCH	1
34	54432GT	LANYARD,LYNCH PIN ASSY	1
35	27126GT	LATCH,DRAW,ADJUSTABLE	1
36	6145GT	SCREW, HHC, 1/4-20 X 1.5	
37	147067GT	BRACKET,BATTERY MOUNT	1
38A	1303581GT	BATTERY, 12V, 950CCA, FLA wet battery, deisel engine	
38B	36872GT	BATTERY, 12V 10" x 7" x 8.25"; wet battery, gasoline engine	1
39A	30144GT	BATTERY HOLD DOWN,GROUP 31 deisel engine	1
39B	T107827GT	BATTERY HOLD DOWN gasoline engine	
39B-	18504GT	NUT,LOCKING-LG.FLANGE,1/4-20 not included, sold seperately, gasoline engine	4
39B-	6638GT	WASHER, FLAT, USS, 1/4"Y not included, sold seperately, gasoline engine	2
39B-	6091GT	NUT,NYLOCK,1/4-20 not included, sold seperately, gasoline engine	2
40A	45708GT	HOOK,BATT HOLD DOWN,10" deisel engine	2
40B	27506GT	THREADED ROD,(1/4-20),8.5" gasoline engine	2
41	6198GT	NUT, NYLOCK, 1/2-13	
42	6095GT	WASHER,FLAT,USS,1/2",Y	
43	22788GT	SCREW,HHC,1/2-13 X 1.75	

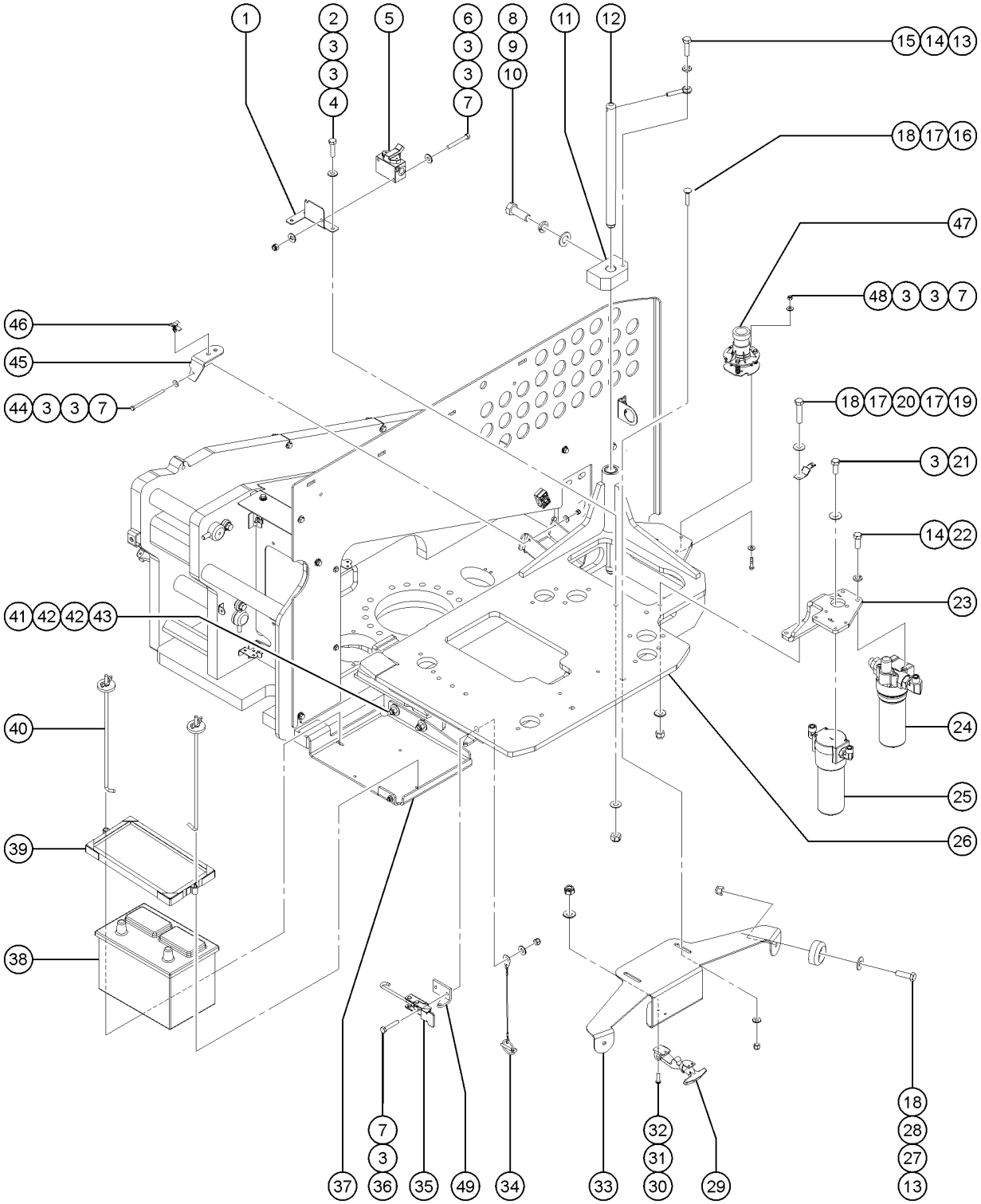
418.1 Engine Tray



418.1 Engine Tray

Item	Part No.	Description	Qty.
44	74254GT	SCREW,HHC,1/4-20 X 4.5	
45	219353GT	FORMING, FUEL LINE BRACKET	1
46	105214GT	CABLE TIE MOUNT, WINGED	2
47A	94077GT	SENSOR,LEVEL,4.5 DEG ANSI; white ring. PN 1261449 may be required, see below.	
47B	110382GT	LEVEL SENSOR,LS60,YL,2.5X4.5 CE with load sense; yellow ring	
47C	1264947GT	KIT, LEVEL SENSOR, 6 PIN CONN For ANSI/CSA models with 6-pin wire harness connector	
48	8915GT	SCREW, HHC, 1/4-20 X 1.25	
49	54244-SGT	BRACKET,LATCH MOUNT,RH**	1

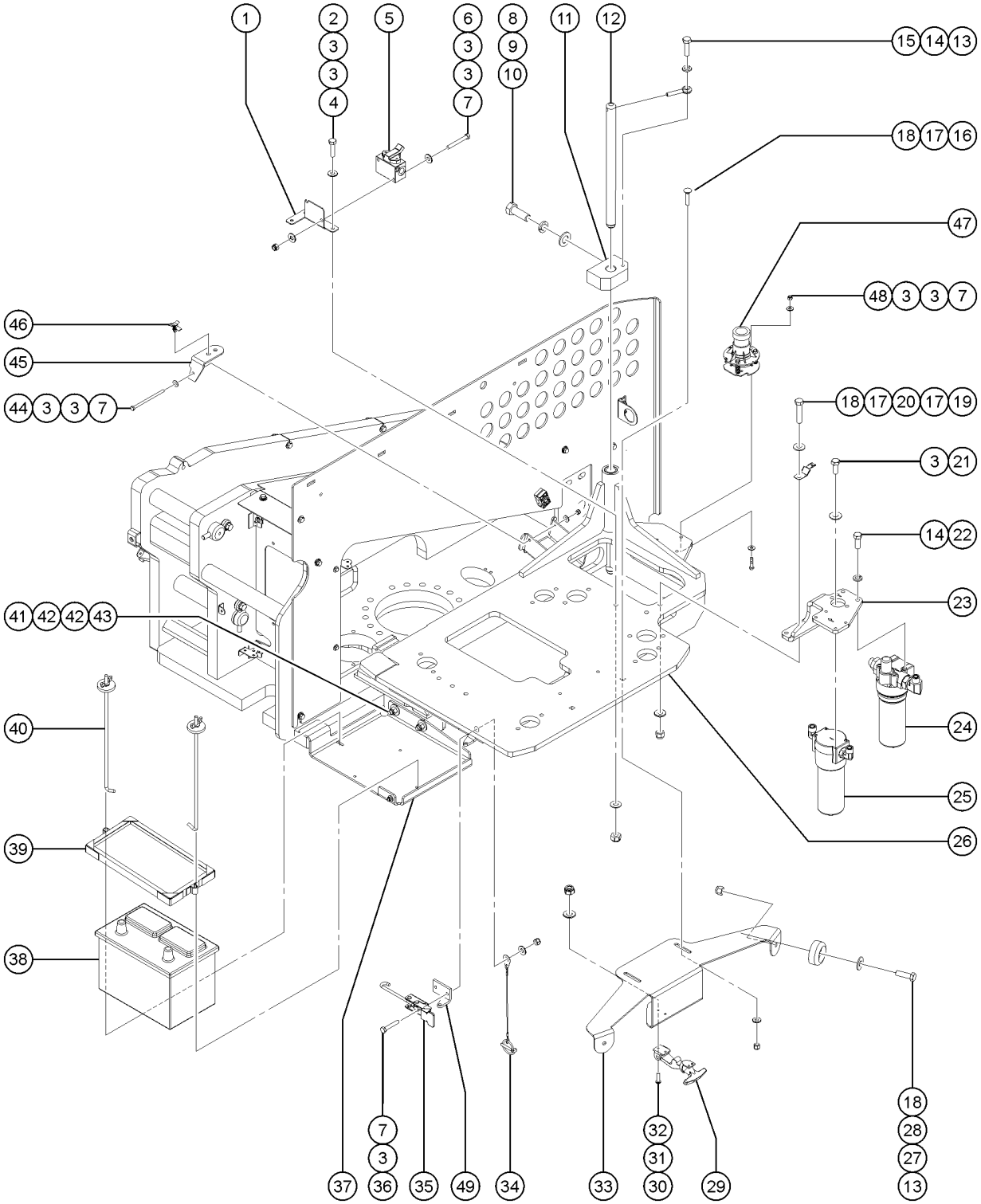
418.2 Engine Tray



418.2 Engine Tray

Item	Part No.	Description	Qty.
1	111699GT	FORMING,FUEL PRES.REG MNT	1
2	13000GT	SCREW,HHC,5/16-18 X 1.25	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6782GT	NUT, NYLOCK, 5/16-18	
5	122246GT	REGULATOR,FUEL PRESS,TME27'07	1
6	4266GT	SCREW,HHC,1/4-20 X 2	
7	6091GT	NUT,NYLOCK,1/4-20	
8	29883GT	SCREW,HHC,5/8-11 X 1.75 GRD.8	2
9	6036GT	WASHER,LOCK,.625 PLTD	
10	13064GT	WASHER,FLAT,.625 HARDENED	
11	107805GT	EAR, ENGINE TRAY PIVOT	1
12	107803GT	PIN,1.00DIAX15.56LG,CHAMFER	1
13	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
14	6021GT	WASHER, LOCK, .375	
15	1255452GT	ROD END,.375 X 2.25,ZAG	1
16	112572GT	BOLT,CARRIAGE,3/8-16X1.75	
17	5397GT	WASHER, FLAT, USS, 5/16-18	
18	4828GT	NUT, NYLOCK, 3/8-16	
19	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
20	99346GT	CLIP, METAL MOUNTING	1
21	6090GT	SCREW, HHC, 1/4-20 X .75	
22	6175GT	SCREW,HHC,3/8-16 X 1	
23	235654GT	FORMING,OIL FILTER BRACKET	1
24	60334GT	FILTER ASSY,HIGH PRESS SAE-12*	1
24-	58222GT	O-RING,FILTER ASSY (60334)***	
24-	58223GT	SEAL,FILTER ASSY (60334)***	
24-	58380GT	FILTER INDICATOR-(60334)	
24-	60857GT	FILTER,ELEMENT,BETA(5)=1000	

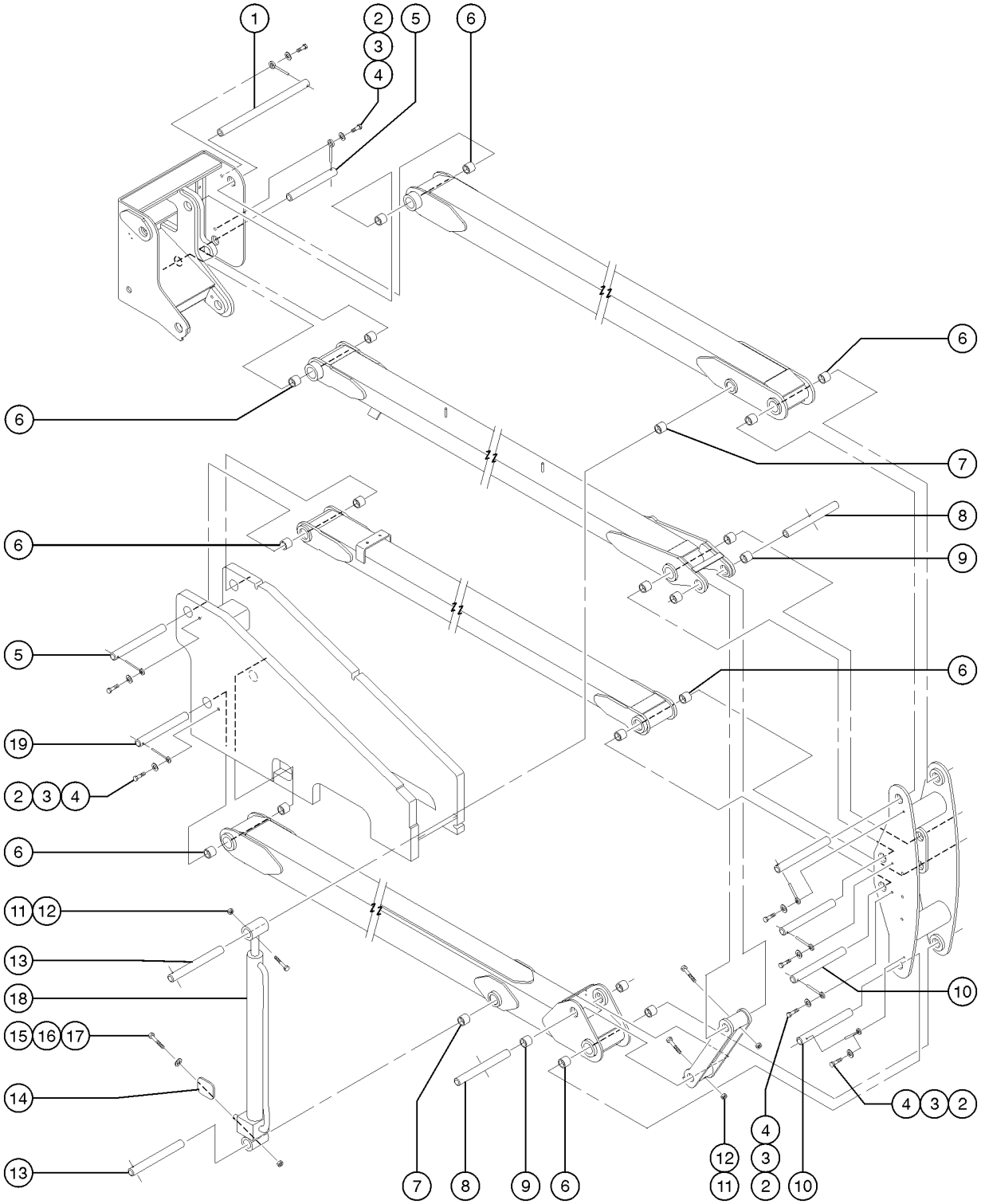
418.2 Engine Tray



418.2 Engine Tray

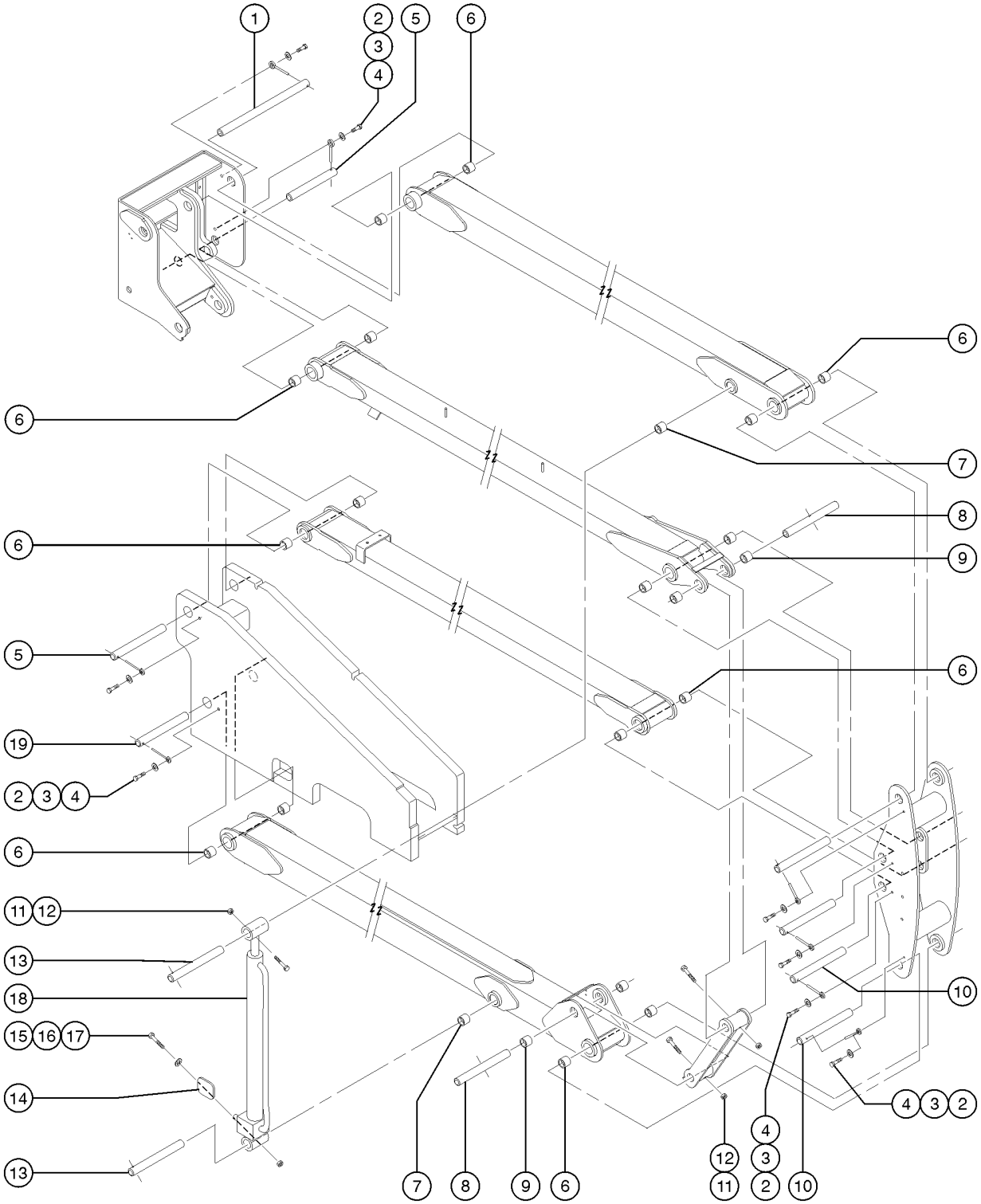
Item	Part No.	Description	Qty.
25		FILTER ASY,M PRESS,SAE8,WOIND* (77139) component no longer available	1
25-	60857GT	FILTER,ELEMENT,BETA(5)=1000 for 77139	
25A	1267807GT	ASSEMBLY, MED. PRESS. FILTER, SAE8	
25A-	1268229GT	ELEMENT-5 MIC, PAPER, W/ BYPASS for 1267807	
26	235649GT	WELDMENT, ENGINE TRAY	1
27	6097GT	WASHER, FLAT, USS, 3/8", Y	
28	50974GT	BUMPER,RUBBER,COVERS	2
29	45363GT	LATCH,FLEXIBLE	1
30	49816GT	SCREW,PHILLIPS,PHM,10-32 X .75	
31	6146GT	WASHER,FLAT,MS,#10,Y	
32	6178GT	NUT, NYLOCK, 10-32	
33	215593GT	FORMING, ENGINE COVER LATCH	1
34	54432GT	LANYARD,LYNCH PIN ASSY	1
35	27126GT	LATCH,DRAW,ADJUSTABLE	1
36	6145GT	SCREW, HHC, 1/4-20 X 1.5	
37	147067GT	BRACKET,BATTERY MOUNT	1
38	36872GT	BATTERY, 12V 10" x 7" x 8.25"; wet battery	1
39	30144GT	BATTERY HOLD DOWN,GROUP 31	1
40	45708GT	HOOK,BATT HOLD DOWN,10"	2
41	6198GT	NUT, NYLOCK, 1/2-13	
42	6095GT	WASHER,FLAT,USS,1/2",Y	
43	22788GT	SCREW,HHC,1/2-13 X 1.75	
44	74254GT	SCREW,HHC,1/4-20 X 4.5	
45	219353GT	FORMING, FUEL LINE BRACKET	1
46	105214GT	CABLE TIE MOUNT, WINGED	2
47A	94077GT	SENSOR,LEVEL,4.5 DEG ANSI; white ring	
47B	110382GT	LEVEL SENSOR,LS60,YL,2.5X4.5 CE with load sense; yellow ring	
48	8915GT	SCREW, HHC, 1/4-20 X 1.25	

501.1 Boom Pins and Bearings, Z-45/25



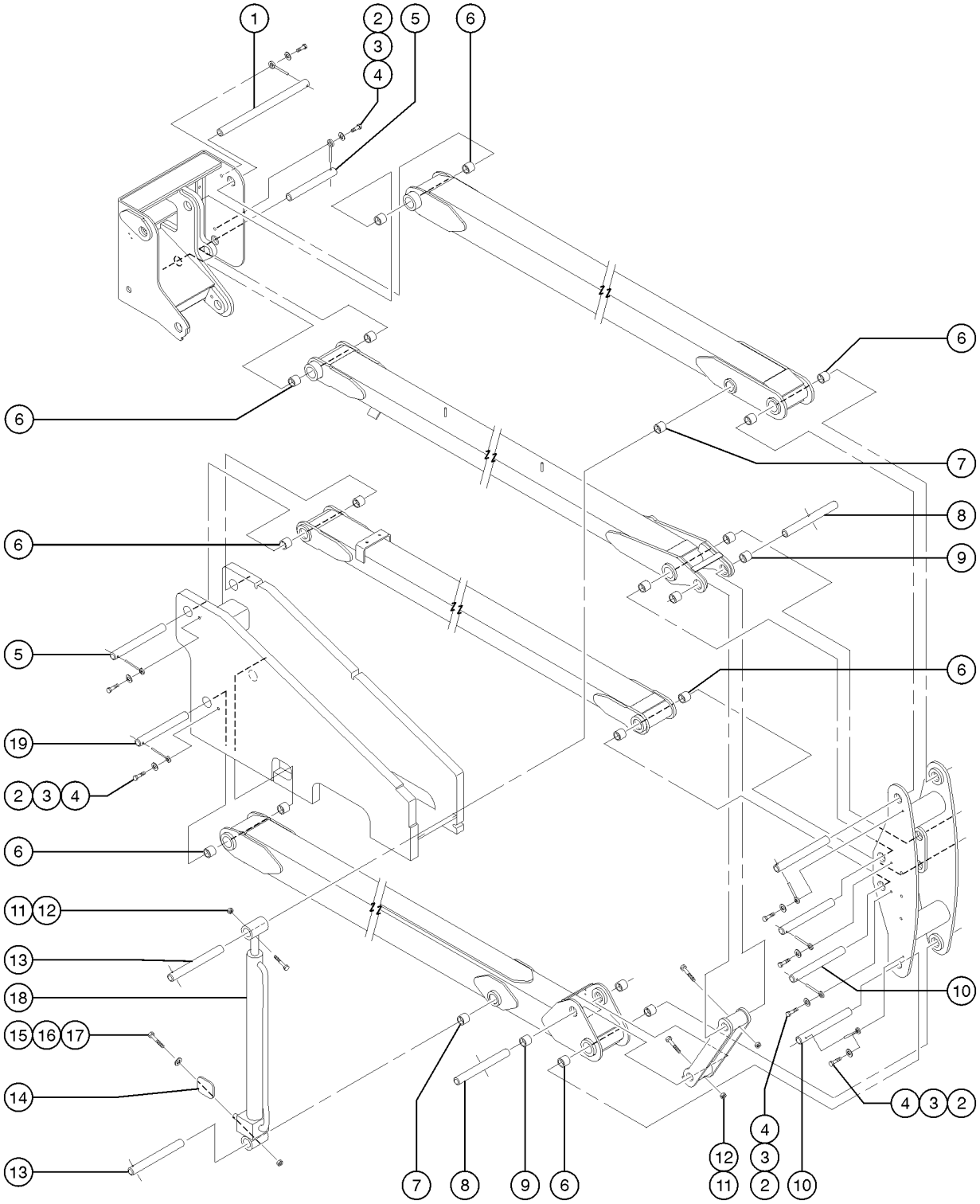
Item	Part No.	Description	Qty.
1	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
2	8177GT	SCREW,HHC,1/2-13 X 1.5	
3	6033GT	WASHER,LOCK,0.5"	
4	1256267GT	ROD END,.5 X 3.75,ZAG	
5	107859GT	PIN,2.00DIAX12.88LG,CHAMFER***	2
6	18720GT	BEARING,2.0IDX2.25ODX1.50L	16
7	45071GT	BEARING,1.5IDX1.75ODX1.5L	4
8	107727GT	PIN,1.50DIAX7.50LG,1HOLE***	2
9	54156GT	BEARING,FL,1.5IDX1.75ODX1.10LG	4
10	107588GT	PIN,2.00DIAX10.88LG,CHAMFER	4
11	4828GT	NUT, NYLOCK, 3/8-16	
12	14033GT	SCREW, HHC, 3/8-16 X 2.75	
13	50455GT	PIN,1.50DIAX13.88LG,2HOLE	4
14	54726GT	WEAR PAD,SECONDARY CYL,NON/JIB Z-45/25 non jib	1
15	6326GT	SCREW,HHC,3/8-16 X 3 Z-45/25 non jib	
16	5397GT	WASHER, FLAT, USS, 5/16-18 Z-45/25 non jib	
17	7713GT	NUT, LP NYLOCK, 3/8-16 Z-45/25 non jib	
18	88203GT	CYLINDER,ELEVATE,Z45/25***	2
18-	77303GT	VALVE, CNTRBAL 3500 PSI, ATM VEN for 88203	
18-	77521GT	SEAL KIT,ELEVATE (88203) for 88203	
19	107590GT	PIN,2.00DIAX12.88LG,CHAMFER***	1

501.2 Boom Pins and Bearings, Z-45/25J



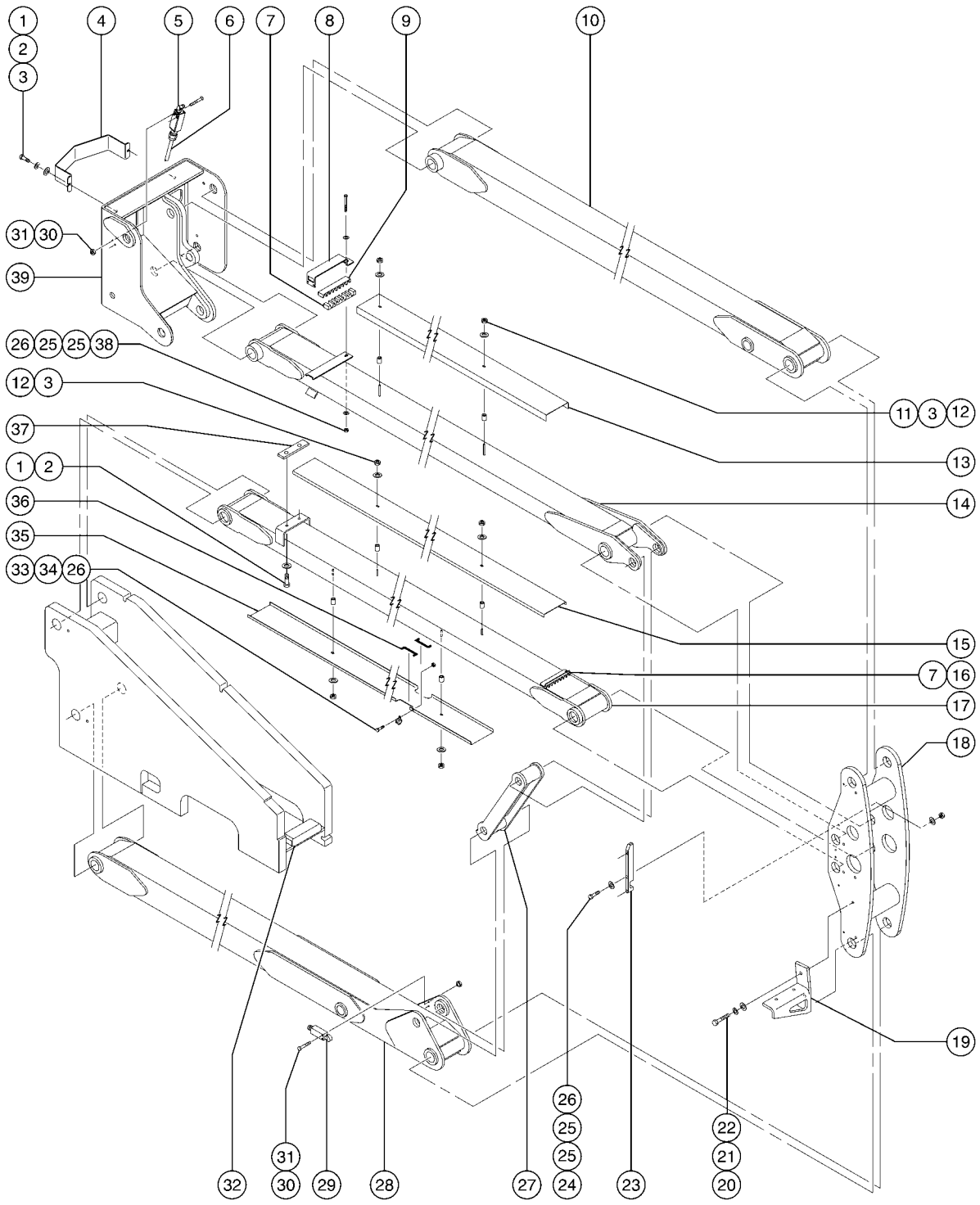
Item	Part No.	Description	Qty.
1	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
2	8177GT	SCREW,HHC,1/2-13 X 1.5	
3	6033GT	WASHER,LOCK,0.5"	
4	1256267GT	ROD END,.5 X 3.75,ZAG	
5	107859GT	PIN,2.00DIAX12.88LG,CHAMFER***	2
6	18720GT	BEARING,2.0IDX2.25ODX1.50L	16
7	45071GT	BEARING,1.5IDX1.75ODX1.5L	4
8	107727GT	PIN,1.50DIAX7.50LG,1HOLE***	2
9	54156GT	BEARING,FL,1.5IDX1.75ODX1.10LG	4
10	107588GT	PIN,2.00DIAX10.88LG,CHAMFER	4
11	4828GT	NUT, NYLOCK, 3/8-16	
12	14033GT	SCREW, HHC, 3/8-16 X 2.75	
13	50455GT	PIN,1.50DIAX13.88LG,2HOLE	4
18	88203GT	CYLINDER,ELEVATE,Z45/25***	2
18-	77303GT	VALVE, CNTRBAL 3500 PSI, ATM VEN for 88203	
18-	77521GT	SEAL KIT,ELEVATE (88203) for 88203	
19	107590GT	PIN,2.00DIAX12.88LG,CHAMFER***	1

501.3 Boom Pins and Bearings



Item	Part No.	Description	Qty.
1	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
2	8177GT	SCREW,HHC,1/2-13 X 1.5	
3	6033GT	WASHER,LOCK,0.5"	
4	1256267GT	ROD END,.5 X 3.75,ZAG	
5	107859GT	PIN,2.00DIAX12.88LG,CHAMFER***	2
6	18720GT	BEARING,2.0IDX2.25ODX1.50L	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	107588GT	PIN,2.00DIAX10.88LG,CHAMFER	4
11	4828GT	NUT, NYLOCK, 3/8-16	
12	14033GT	SCREW, HHC, 3/8-16 X 2.75	
13	50455GT	PIN,1.50DIAX13.88LG,2HOLE	4
18	88203GT	CYLINDER,ELEVATE,Z45/25***	2
18-	77303GT	VALVE, CNTRBAL 3500 PSI, ATM VEN for 88203	
18-	77521GT	SEAL KIT,ELEVATE (88203) for 88203	
19	107590GT	PIN,2.00DIAX12.88LG,CHAMFER***	1

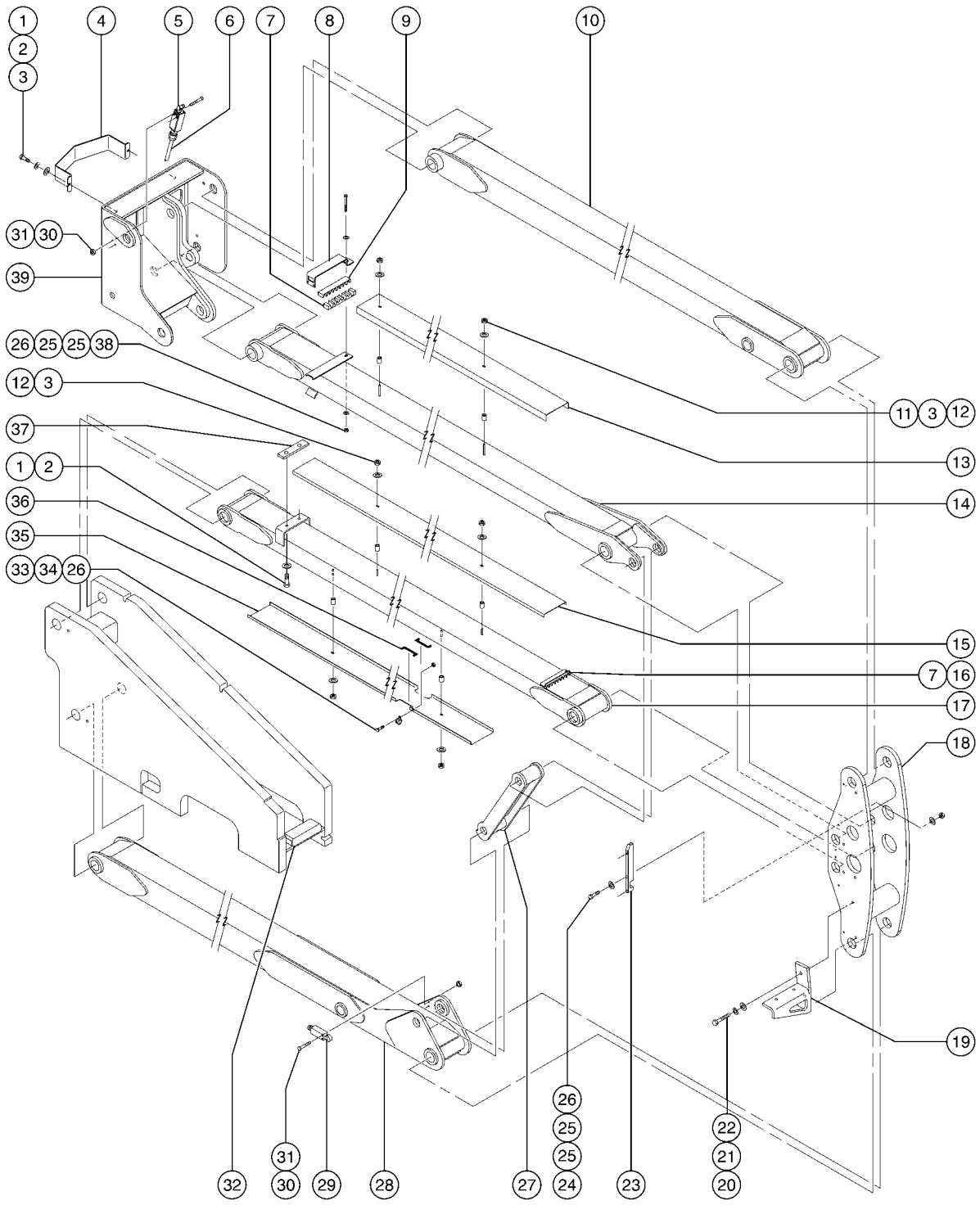
502.1 Boom Linkage, Z-45/25



502.1 Boom Linkage, Z-45/25

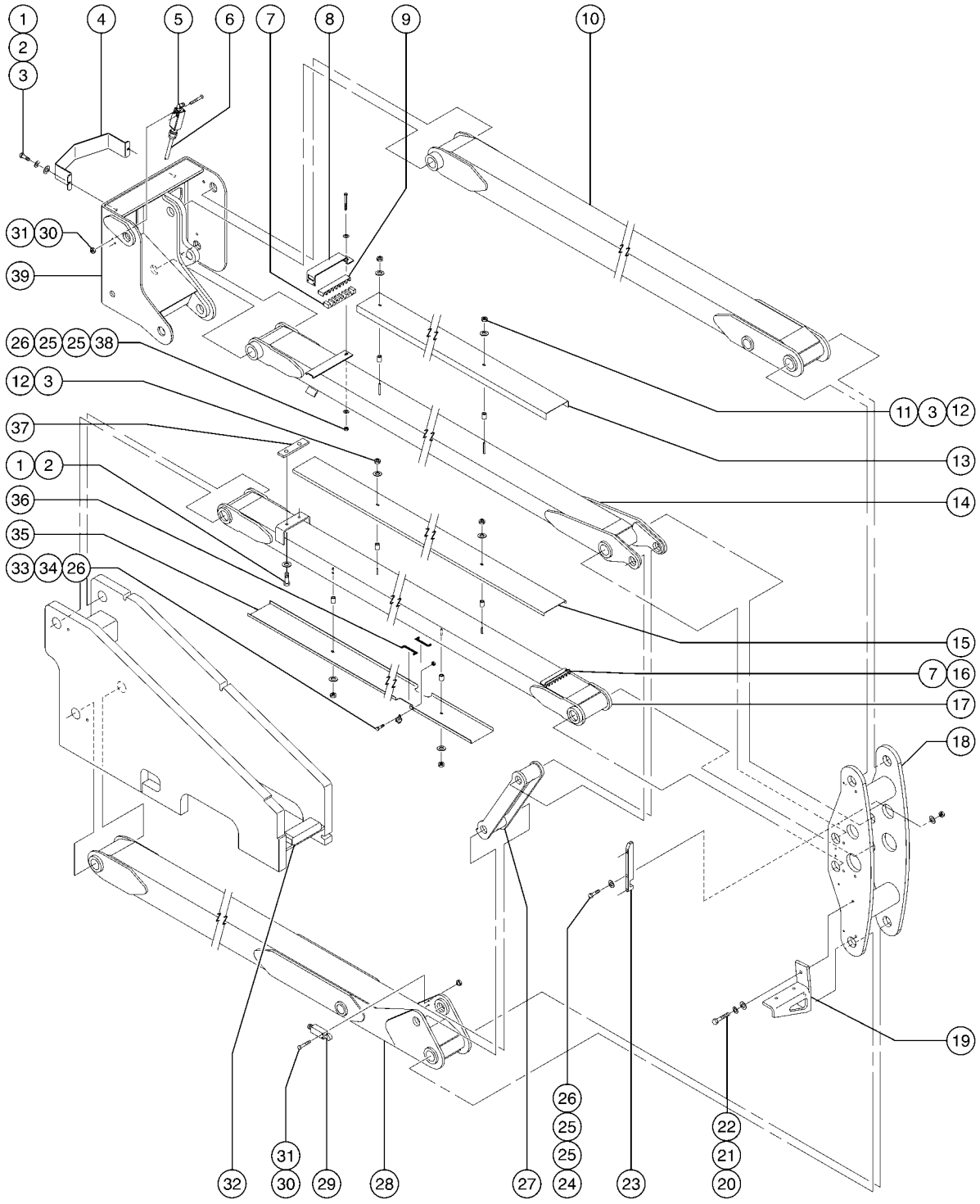
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	
2	6021GT	WASHER, LOCK, .375	
3	6097GT	WASHER, FLAT, USS, 3/8", Y	
4	237688GT	COVER, UPPER PIVOT	1
5	88356-11163GT	SWITCH,LIMIT,W/RLLR ARM,NO/NC*	1
5-	106427GT	LS ROT.HEAD W/O LEVER (ZCE01)	
5-	97128GT	ROLLER ARM,LIMIT SWITCH***	
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396-inches
7	94529GT	CLAMPING BLOCK,HOSE***	1
8	94531PGT	BRACKET,HOSE CLAMP PAINTED***	1
9	128998GT	CLAMPING BLOCK, CABLE, Z45/51	1
10	110305GT	UPPER SECONDARY ARM ASSY-Z45**	1
11	42941GT	HOSE,3/8",FUEL,30R7 cut to 0.75 inch	1 inch
12	7713GT	NUT, LP NYLOCK, 3/8-16	
13	88370PGT	HOSE COVER,UPPER ARM,PAINTED	
14	110306GT	UPPER LEVEL ARM ASSY,SERV***	1
15	50517-SGT	HOSE COVER,LOWER LEVEL,TOP,PAI	1
16	70685PGT	FORMING, HOSE CLAMP, PAINTED	1
17	110307GT	LOWER LEVEL ARM ASSY***	1
18	106972GT	WELDMENT,MID PIVOT,MACHINED*** (decal not included, refer to section 100)	
20A	10587GT	SCREW,HHC,1/2-13 X.75 Z-45/25	
23A	107881GT	WEAR PAD,MID PIVOT*** Z-45/25	2
24	6637GT	SCREW,HHC,1/4-20 X 1.75	
25	6638GT	WASHER, FLAT, USS, 1/4"Y	
26	6091GT	NUT,NYLOCK,1/4-20	
27	50479-SGT	CONNECTING LINK, Z45/25	1
28	110308GT	LOWER SECONDARY ARM ASSY***	1

502.1 Boom Linkage, Z-45/25



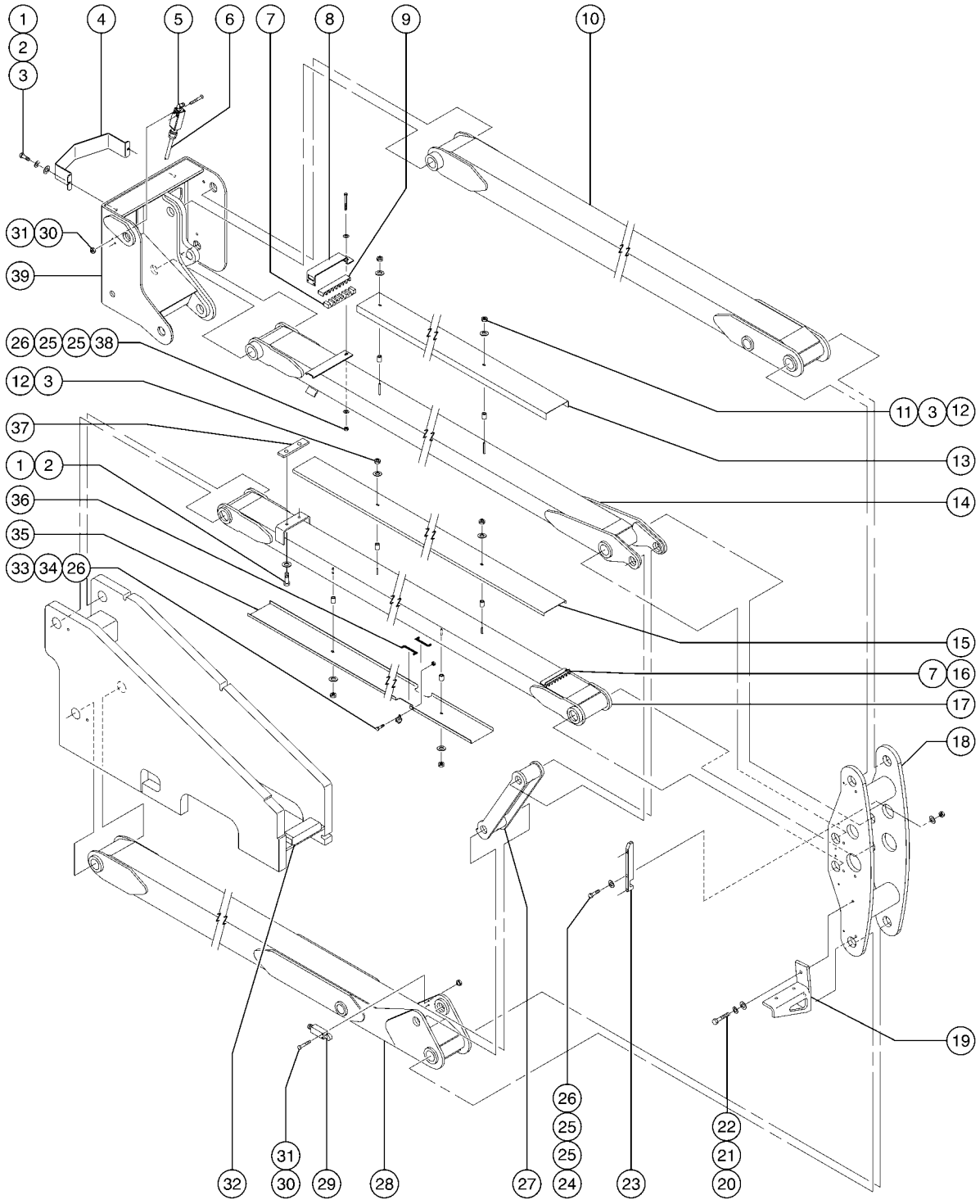
Item	Part No.	Description	Qty.
29	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
29-	89756GT	NECK/HEAD-LIMIT SWITCH (88356)	
29-	97128GT	ROLLER ARM,LIMIT SWITCH***	
30	49775GT	SCREW,PHILLIPS,PHM,10-32X 1.75	
31	6178GT	NUT, NYLOCK, 10-32	
32	56849GT	PAD,REST,1"THICK,W/STUDS*	1
33	8914GT	SCREW, HHC, 1/4-20 X .625	
34	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	
35	50548PGT	HOSE COVER,LOWER LEVEL,BOT,PAI	1
36	1697GT	TRIMLOCK,BLACK,3/16 cut to 4 inches	8 inches
37	49772GT	WEAR PAD,6 X 1.5 X.50,W/INSERT	
38	6888GT	SCREW, HHC, 1/4-20 X 1	

502.2 Boom Linkage, Z-45/25J



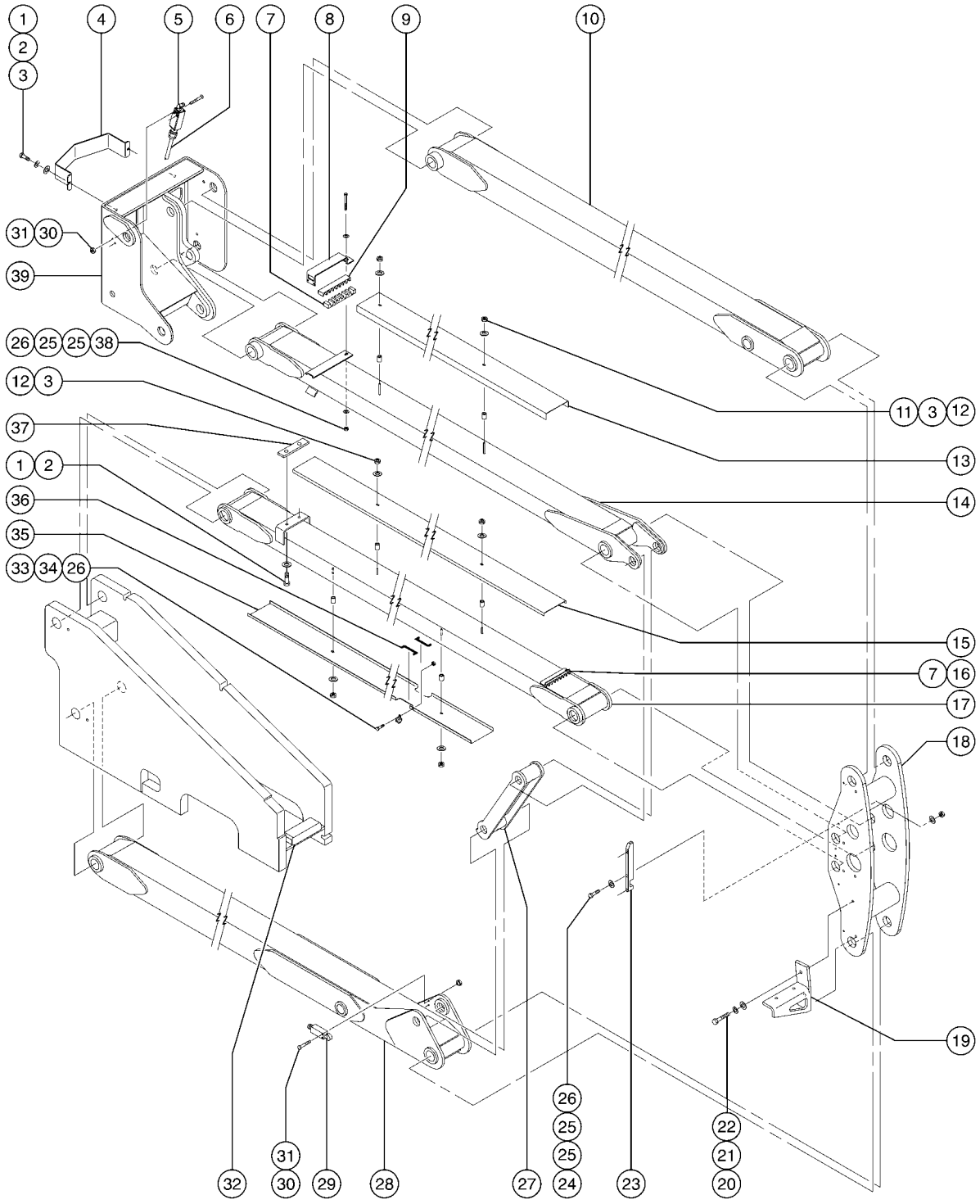
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	
2	6021GT	WASHER, LOCK, .375	
3	6097GT	WASHER, FLAT, USS, 3/8", Y	
4	237688GT	COVER, UPPER PIVOT	1
5	88356-11163GT	SWITCH,LIMIT,W/RLLR ARM,NO/NC*	1
5-	106427GT	LS ROT.HEAD W/O LEVER (ZCE01)	
5-	97128GT	ROLLER ARM,LIMIT SWITCH***	
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396-inches
7	94529GT	CLAMPING BLOCK,HOSE***	1
8	94531PGT	BRACKET,HOSE CLAMP PAINTED***	1
9	128998GT	CLAMPING BLOCK, CABLE, Z45/51	1
10	110305GT	UPPER SECONDARY ARM ASSY-Z45**	1
11	42941GT	HOSE,3/8",FUEL,30R7 cut to 0.75 inch	1 inch
12	7713GT	NUT, LP NYLOCK, 3/8-16	
13	88370PGT	HOSE COVER,UPPER ARM,PAINTED	
14	110306GT	UPPER LEVEL ARM ASSY,SERV***	1
15	50517-SGT	HOSE COVER,LOWER LEVEL,TOP,PAI	1
16	70685PGT	FORMING, HOSE CLAMP, PAINTED	1
17	110307GT	LOWER LEVEL ARM ASSY***	1
18	106972GT	WELDMENT,MID PIVOT,MACHINED*** (decal not included, refer to section 100)	
19	50952-SGT	BOOM REST WELDMENT Z-45/25J	1
20B	8177GT	SCREW,HHC,1/2-13 X 1.5 Z-45/25J	
21	6033GT	WASHER,LOCK,0.5" Z-45/25J	
22	6095GT	WASHER,FLAT,USS,1/2",Y Z-45/25J	
23B	107881GT	WEAR PAD,MID PIVOT*** Z-45/25J	1
24	6637GT	SCREW,HHC,1/4-20 X 1.75	
25	6638GT	WASHER, FLAT, USS, 1/4"Y	

502.2 Boom Linkage, Z-45/25J



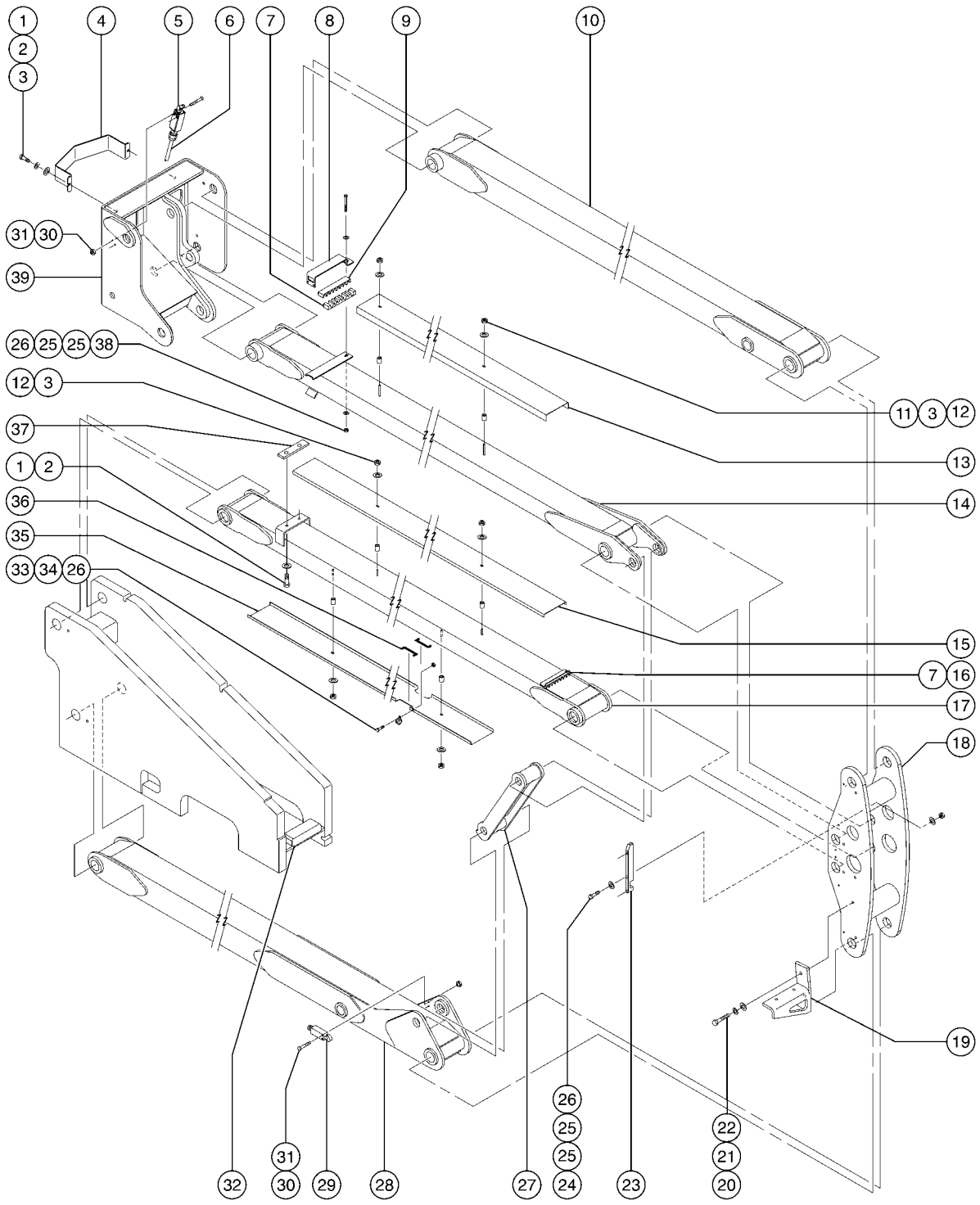
Item	Part No.	Description	Qty.
26	6091GT	NUT,NYLOCK,1/4-20	
27	50479-SGT	CONNECTING LINK, Z45/25	1
28	110308GT	LOWER SECONDARY ARM ASSY***	1
29	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
29-	89756GT	NECK/HEAD-LIMIT SWITCH (88356)	
29-	97128GT	ROLLER ARM,LIMIT SWITCH***	
30	49775GT	SCREW,PHILLIPS,PHM,10-32X 1.75	
31	6178GT	NUT, NYLOCK, 10-32	
32	56849GT	PAD,REST,1"THICK,W/STUDS*	1
33	8914GT	SCREW, HHC, 1/4-20 X .625	
34	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	
35	50548PGT	HOSE COVER,LOWER LEVEL,BOT,PAI	1
36	1697GT	TRIMLOCK,BLACK,3/16 cut to 4 inches	8 inches
37	49772GT	WEAR PAD,6 X 1.5 X.50,W/INSERT	
38	6888GT	SCREW, HHC, 1/4-20 X 1	
39		Ref. Upper Pivot Assembly (refer to 503.1)	

502.3 Boom Linkage



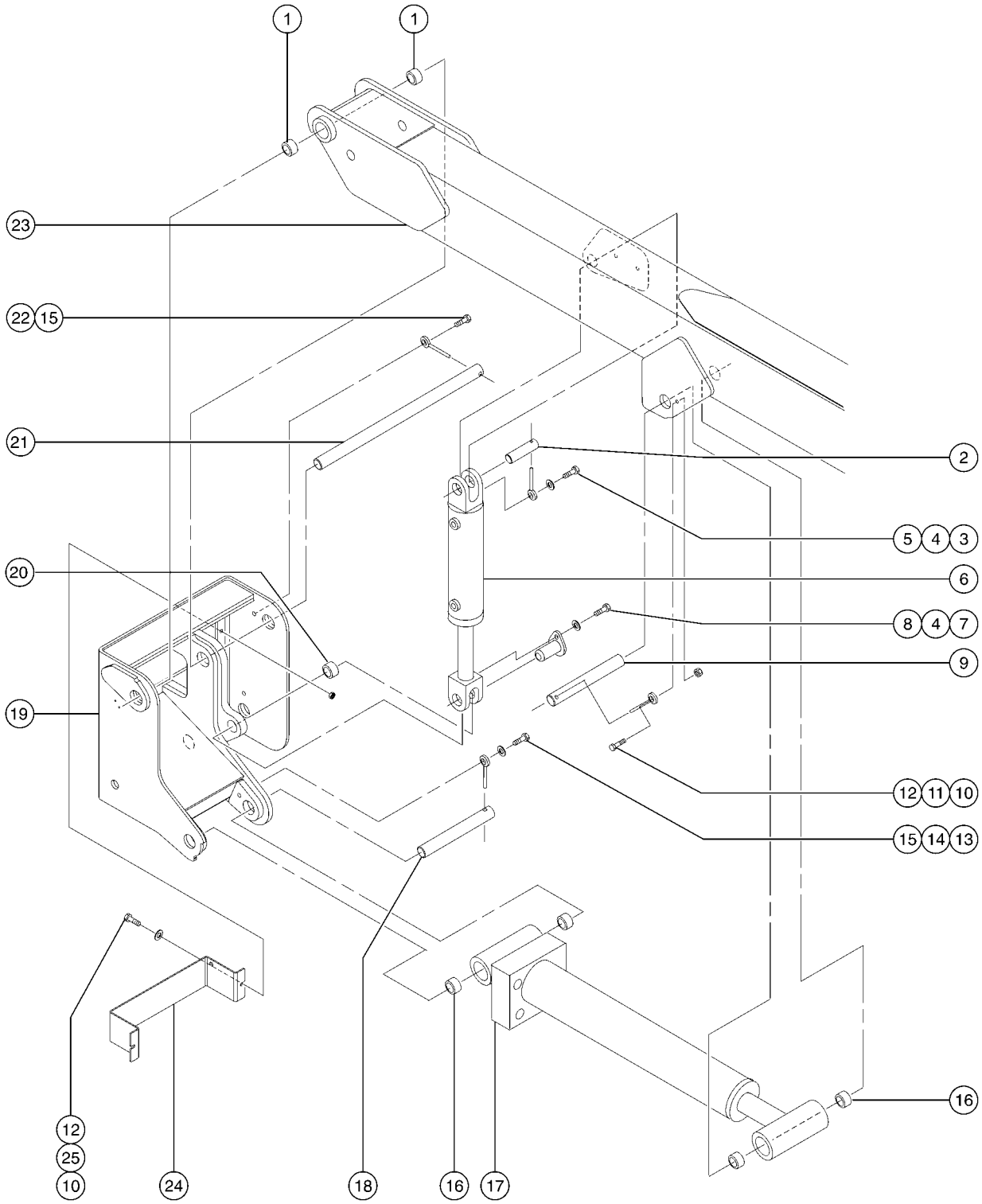
Item	Part No.	Description	Qty.
1	6175GT	SCREW,HHC,3/8-16 X 1	
2	6021GT	WASHER, LOCK, .375	
3	6097GT	WASHER, FLAT, USS, 3/8", Y	
4	237688GT	COVER, UPPER PIVOT	1
5	88356-11163GT	SWITCH,LIMIT,W/RLLR ARM,NO/NC*	1
5-	106427GT	LS ROT.HEAD W/O LEVER (ZCE01)	
5-	97128GT	ROLLER ARM,LIMIT SWITCH***	
6	43960GT	WIRE CABLE,16/4 CON.TPE JKT	396-inches
7	94529GT	CLAMPING BLOCK,HOSE***	1
8	94531PGT	BRACKET,HOSE CLAMP PAINTED***	1
9	128998GT	CLAMPING BLOCK, CABLE, Z45/51	1
10	110305GT	UPPER SECONDARY ARM ASSY-Z45**	1
11	42941GT	HOSE,3/8",FUEL,30R7 cut to 0.75 inch	1 inch
12	7713GT	NUT, LP NYLOCK, 3/8-16	
13	88370PGT	HOSE COVER,UPPER ARM,PAINTED	
14	110306GT	UPPER LEVEL ARM ASSY,SERV***	1
15	50517-SGT	HOSE COVER,LOWER LEVEL,TOP,PAI	1
16	70685PGT	FORMING, HOSE CLAMP, PAINTED	1
17	110307GT	LOWER LEVEL ARM ASSY***	1
18	106972GT	WELDMENT,MID PIVOT,MACHINED*** (decal not included, refer to section 100)	
19	50952-SGT	BOOM REST WELDMENT Z-45/25J	1
20B	8177GT	SCREW,HHC,1/2-13 X 1.5 Z-45/25J	
21	6033GT	WASHER,LOCK,0.5" Z-45/25J	
22	6095GT	WASHER,FLAT,USS,1/2",Y Z-45/25J	
23B	107881GT	WEAR PAD,MID PIVOT*** Z-45/25J	1
24	6637GT	SCREW,HHC,1/4-20 X 1.75	
25	6638GT	WASHER, FLAT, USS, 1/4"Y	

502.3 Boom Linkage



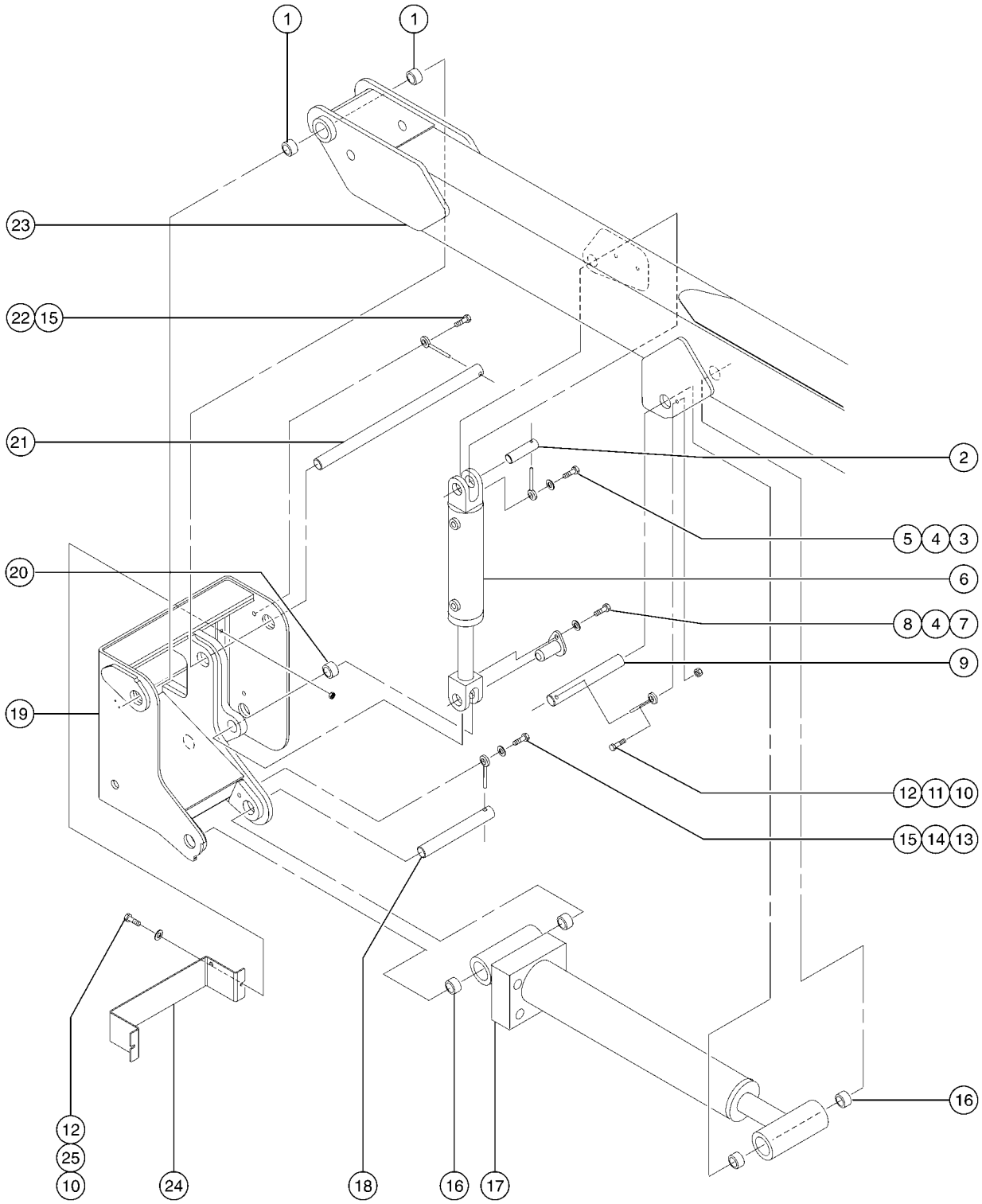
Item	Part No.	Description	Qty.
26	6091GT	NUT,NYLOCK,1/4-20	
27	50479-SGT	CONNECTING LINK, Z45/25	1
28	110308GT	LOWER SECONDARY ARM ASSY***	1
29	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
29-	89756GT	NECK/HEAD-LIMIT SWITCH (88356)	
29-	97128GT	ROLLER ARM,LIMIT SWITCH***	
30	49775GT	SCREW,PHILLIPS,PHM,10-32X 1.75	
31	6178GT	NUT, NYLOCK, 10-32	
32	56849GT	PAD,REST,1"THICK,W/STUDS*	1
33	8914GT	SCREW, HHC, 1/4-20 X .625	
34	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	
35	50548PGT	HOSE COVER,LOWER LEVEL,BOT,PAI	1
36	1697GT	TRIMLOCK,BLACK,3/16 cut to 4 inches	8 inches
37	49772GT	WEAR PAD,6 X 1.5 X.50,W/INSERT	
38	6888GT	SCREW, HHC, 1/4-20 X 1	
39		Ref. Upper Pivot Assembly (refer to 503.1)	

503.1 Upper Pivot Components, Z-45/25



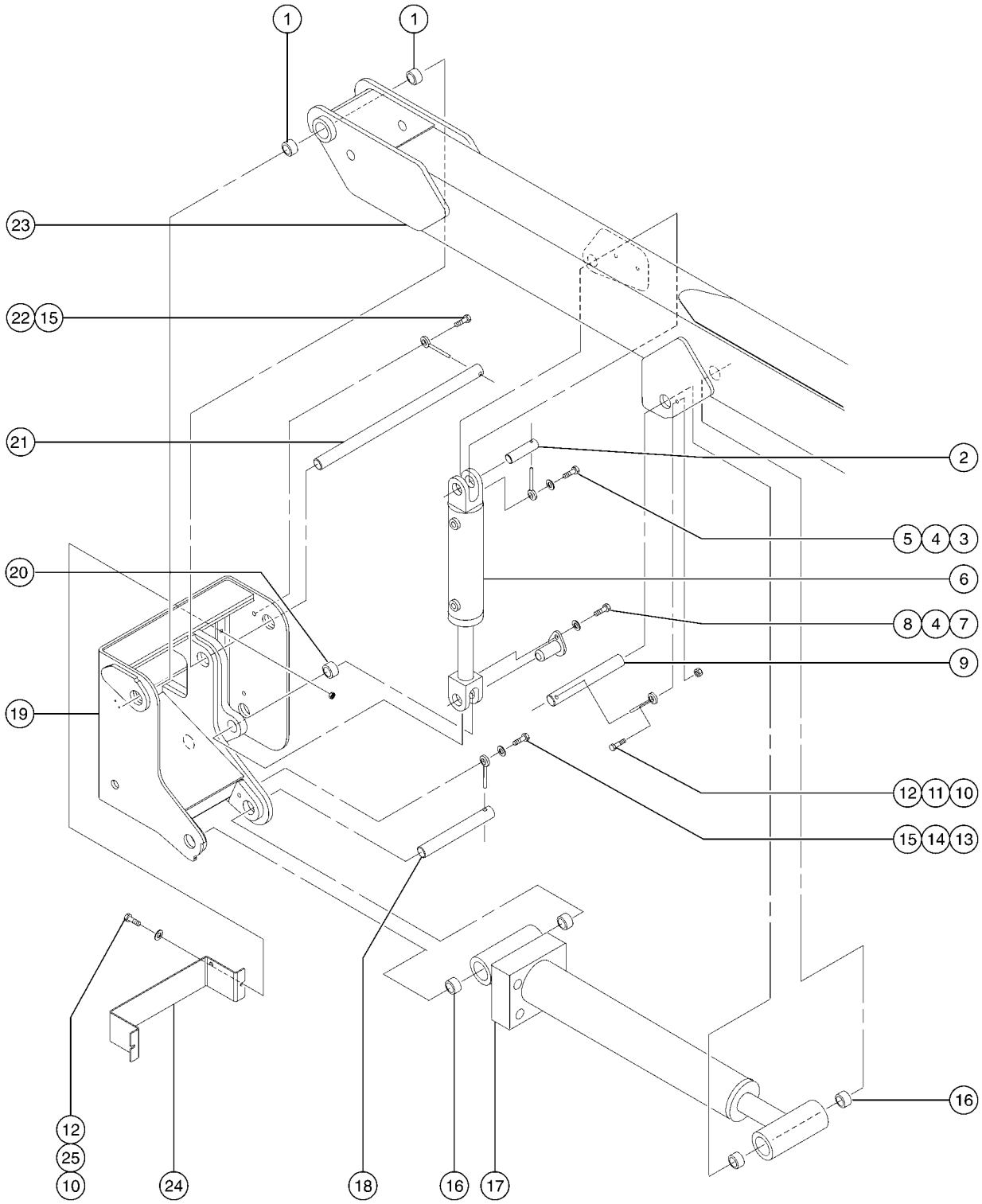
Item	Part No.	Description	Qty.
1	18720GT	BEARING,2.0IDX2.25ODX1.50L	2
2	34276GT	PIN,1.25DIAX3.37LG,1HOLE	1
3	6175GT	SCREW,HHC,3/8-16 X 1	
4	6021GT	WASHER, LOCK, .375	
5	1255452GT	ROD END,.375 X 2.25,ZAG	1
6	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45	1
6-	77364GT	SEAL KIT, LEVELING CYLINDER	
7	8255GT	SCREW,HHC,3/8-16 X .75	
8	70671GT	PIN,1.25 DIA X 3.19 LG, PLATE	1
9	50542GT	PIN,1.75DIAX9.25LG,1HOLE	1
10	8516GT	SCREW, HCC, 3/8-16 X 1.50	
11	825019GT	ROD END, .375X3.69, ZAG	1
12	4828GT	NUT, NYLOCK, 3/8-16	
13	8177GT	SCREW,HHC,1/2-13 X 1.5	
14	6033GT	WASHER,LOCK,0.5"	
15	1256267GT	ROD END,.5 X 3.75,ZAG	2
16	1262633GT	BUSHING,POLYGON,BM5120	4
17A	1263056GT	CYLINDER,PRIM LIFT NON JIB,Z45 Z-45/25 (includes item 16)	1
17A-	77189GT	SEAL KIT,CYL,Z45 (77187&77188) for 77187, 1263056	
17A-	77014GT	VALVE,COUNTERBALANCE,3800 PSI for 77187, 1263056	
18	70534GT	PIN,1.75DIAX11.88LG,CHAMFER	1
19	110309GT	UPPER PIVOT W/BEARING-Z45/25**	1
19-	55753GT	BUMPER, PLASTIC, 1.25 O.D.	
20	30370GT	BEARING,1.25IDX1.5ODX1.00L	1
21	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
22	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
23		Ref. Primary and Extension Booms (refer to 504.1)	
24	237688GT	COVER, UPPER PIVOT	1

503.1 Upper Pivot Components, Z-45/25



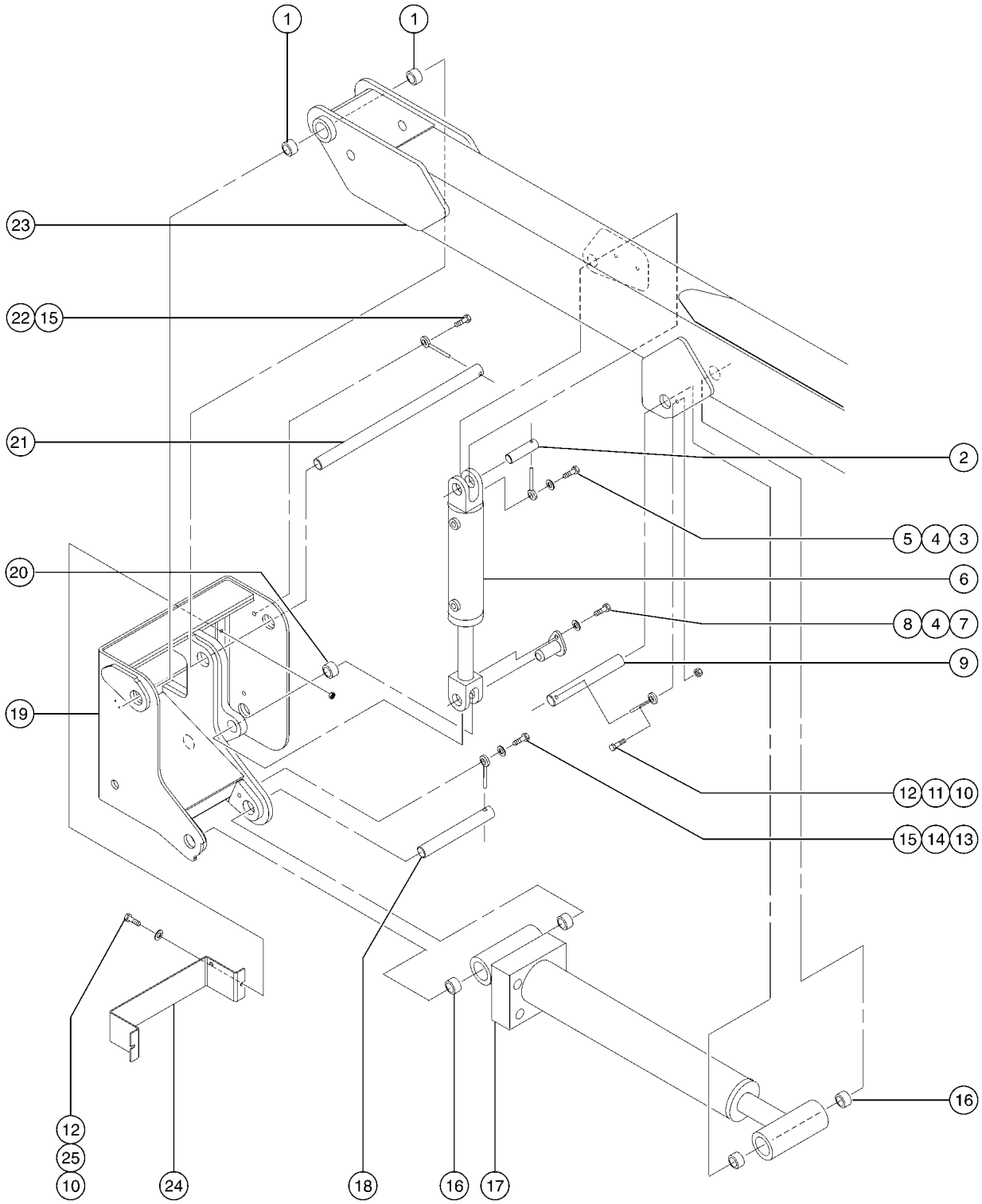
Item	Part No.	Description	Qty.
25	5397GT	WASHER, FLAT, USS, 5/16-18	

503.2 Upper Pivot Components, Z-45/25J



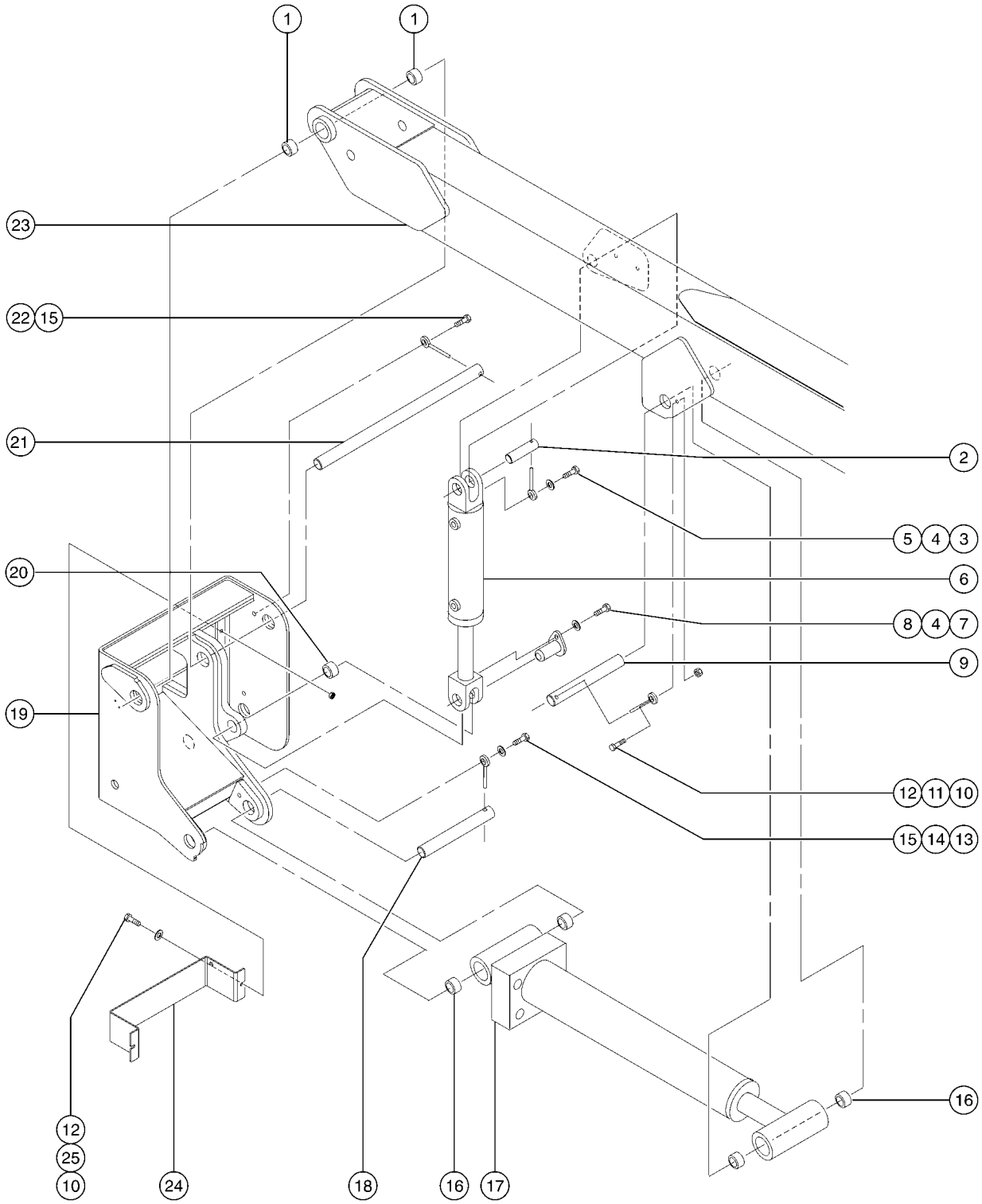
Item	Part No.	Description	Qty.
1	18720GT	BEARING,2.0IDX2.25ODX1.50L	2
2	34276GT	PIN,1.25DIAX3.37LG,1HOLE	1
3	6175GT	SCREW,HHC,3/8-16 X 1	
4	6021GT	WASHER, LOCK, .375	
5	1255452GT	ROD END,.375 X 2.25,ZAG	1
6	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45	1
6-	77364GT	SEAL KIT, LEVELING CYLINDER	
7	8255GT	SCREW,HHC,3/8-16 X .75	
8	70671GT	PIN,1.25 DIA X 3.19 LG, PLATE	1
9	50542GT	PIN,1.75DIAX9.25LG,1HOLE	1
10	8516GT	SCREW, HCC, 3/8-16 X 1.50	
11	825019GT	ROD END, .375X3.69, ZAG	1
12	4828GT	NUT, NYLOCK, 3/8-16	
13	8177GT	SCREW,HHC,1/2-13 X 1.5	
14	6033GT	WASHER,LOCK,0.5"	
15	1256267GT	ROD END,.5 X 3.75,ZAG	2
16	1262633GT	BUSHING,POLYGON,BM5120	4
17B	1263057GT	CYLINDER,PRIM LIFT JIB,Z45 Z-45/25J (includes item 16)	1
17B-	77189GT	SEAL KIT,CYL,Z45 (77187&77188) for 77187, 77188, 1263057	
17B-	77014GT	VALVE,COUNTERBALANCE,3800 PSI	
18	70534GT	PIN,1.75DIAX11.88LG,CHAMFER	1
19	110309GT	UPPER PIVOT W/BEARING-Z45/25**	1
19-	55753GT	BUMPER, PLASTIC, 1.25 O.D.	
20	30370GT	BEARING,1.25IDX1.5ODX1.00L	1
21	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
22	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
23		Ref. Primary and Extension Booms (refer to 504.1)	
24	237688GT	COVER, UPPER PIVOT	1

503.2 Upper Pivot Components, Z-45/25J



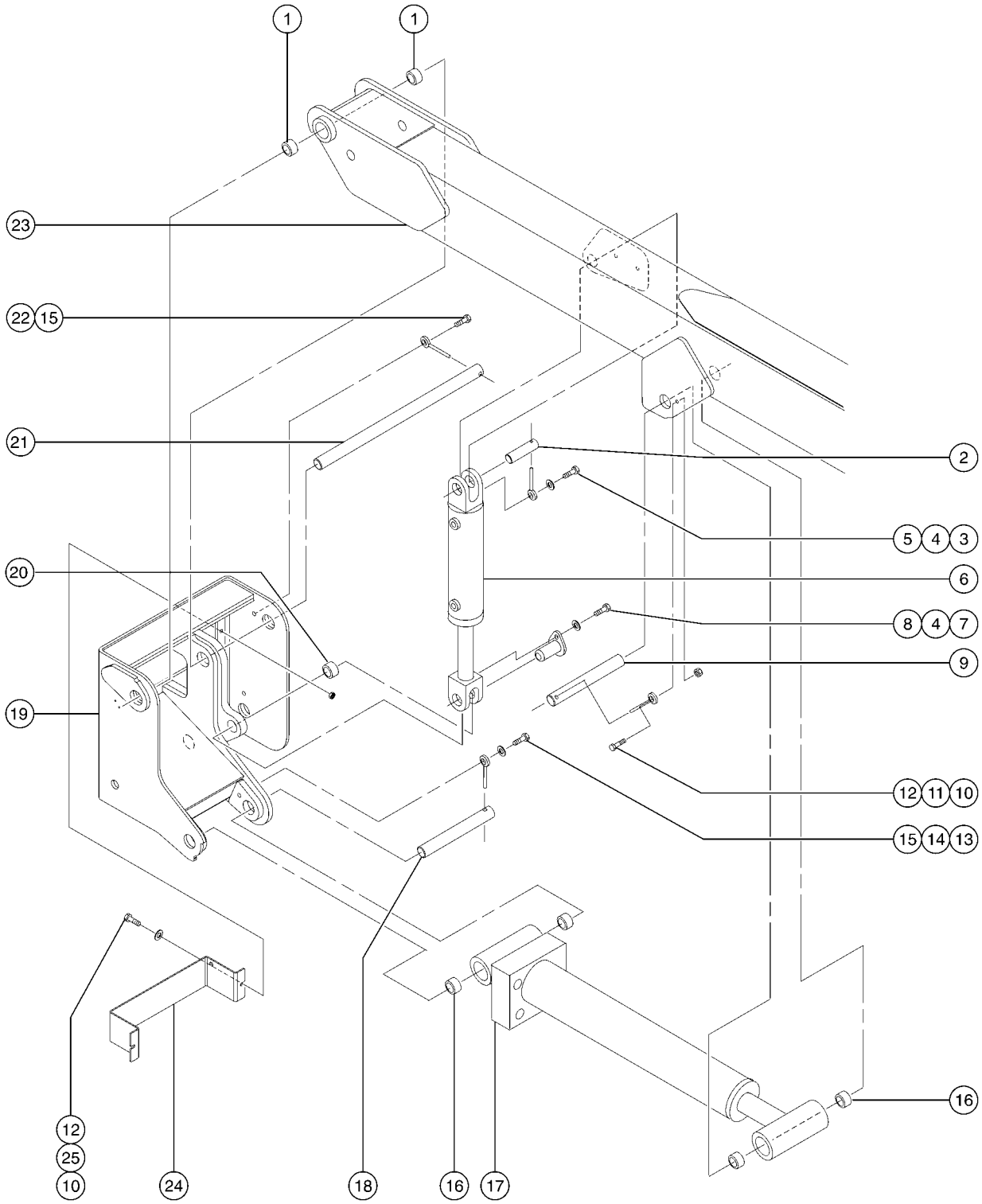
Item	Part No.	Description	Qty.
25	5397GT	WASHER, FLAT, USS, 5/16-18	

503.3 Upper Pivot Components



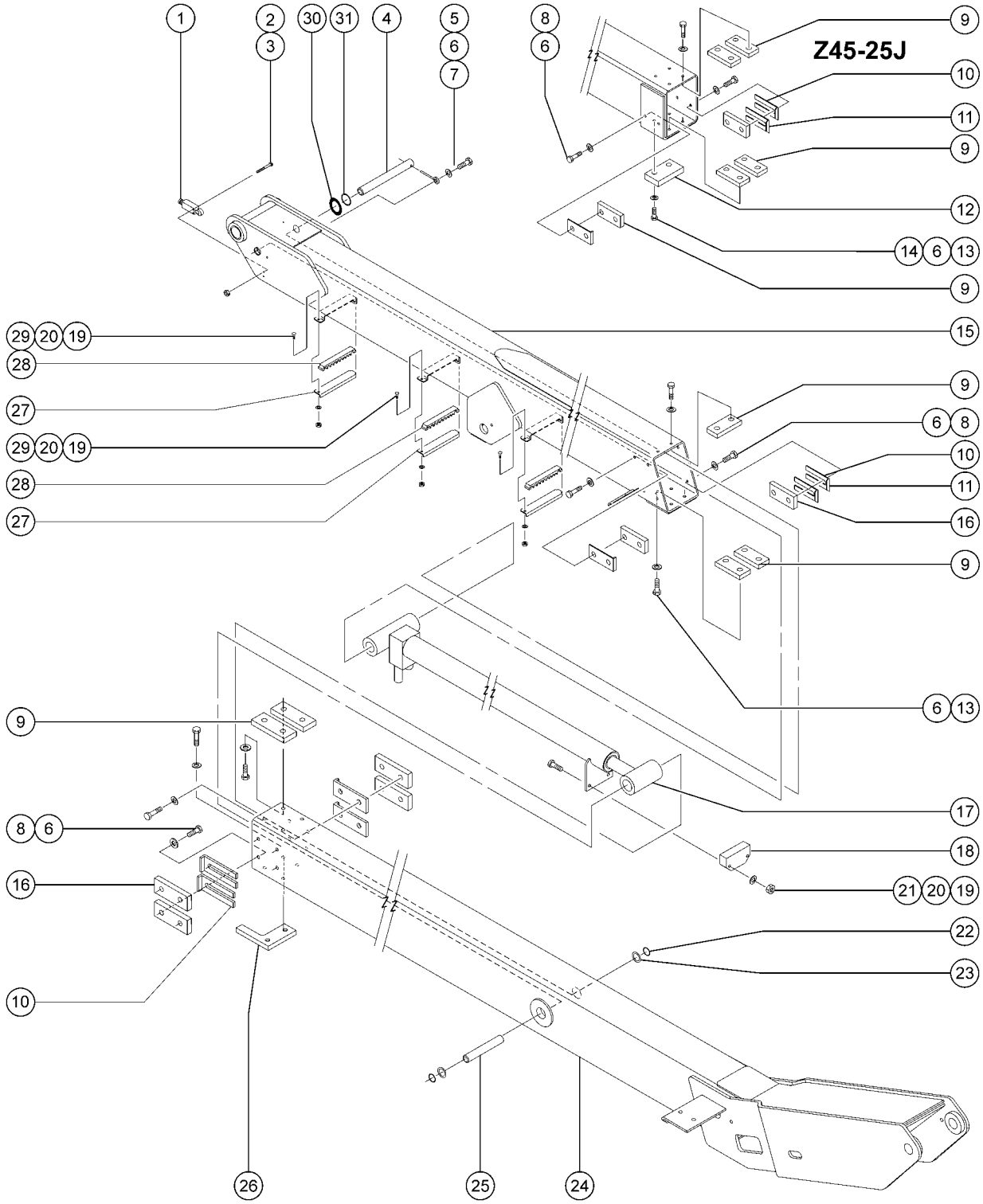
Item	Part No.	Description	Qty.
1	18720GT	BEARING,2.0IDX2.25ODX1.50L	2
2	34276GT	PIN,1.25DIAX3.37LG,1HOLE	1
3	6175GT	SCREW,HHC,3/8-16 X 1	
4	6021GT	WASHER, LOCK, .375	
5	1255452GT	ROD END,.375 X 2.25,ZAG	1
6	77362GT	CYLINDER,LEVELING,UPPER PIVOT,Z-45	1
6-	77364GT	SEAL KIT, LEVELING CYLINDER	
7	8255GT	SCREW,HHC,3/8-16 X .75	
8	70671GT	PIN,1.25 DIA X 3.19 LG, PLATE	1
9	50542GT	PIN,1.75DIAX9.25LG,1HOLE	1
10	8516GT	SCREW, HCC, 3/8-16 X 1.50	
11	825019GT	ROD END, .375X3.69, ZAG	1
12	4828GT	NUT, NYLOCK, 3/8-16	
13	8177GT	SCREW,HHC,1/2-13 X 1.5	
14	6033GT	WASHER,LOCK,0.5"	
15	1256267GT	ROD END,.5 X 3.75,ZAG	2
16	1262633GT	BUSHING,POLYGON,BM5120	4
17B	1263057GT	CYLINDER,PRIM LIFT JIB,Z45 Z-45/25J (includes item 16)	1
17B-	77189GT	SEAL KIT,CYL,Z45 (77187&77188) for 77187, 77188, 1263057	
17B-	77014GT	VALVE,COUNTERBALANCE,3800 PSI for 77187, 77188, 1263057	
18	70534GT	PIN,1.75DIAX11.88LG,CHAMFER	1
19	110309GT	UPPER PIVOT W/BEARING-Z45/25**	1
19-	55753GT	BUMPER, PLASTIC, 1.25 O.D.	
20	30370GT	BEARING,1.25IDX1.5ODX1.00L	1
21	88676GT	PIN,2.00DIAX24.00LG,CHAMFER***	1
22	10597GT	SCREW,HHC,1/2-13 X 1.25 GR5	
23		Ref. Primary and Extension Booms (refer to 504.1)	
24	237688GT	COVER, UPPER PIVOT	1

503.3 Upper Pivot Components



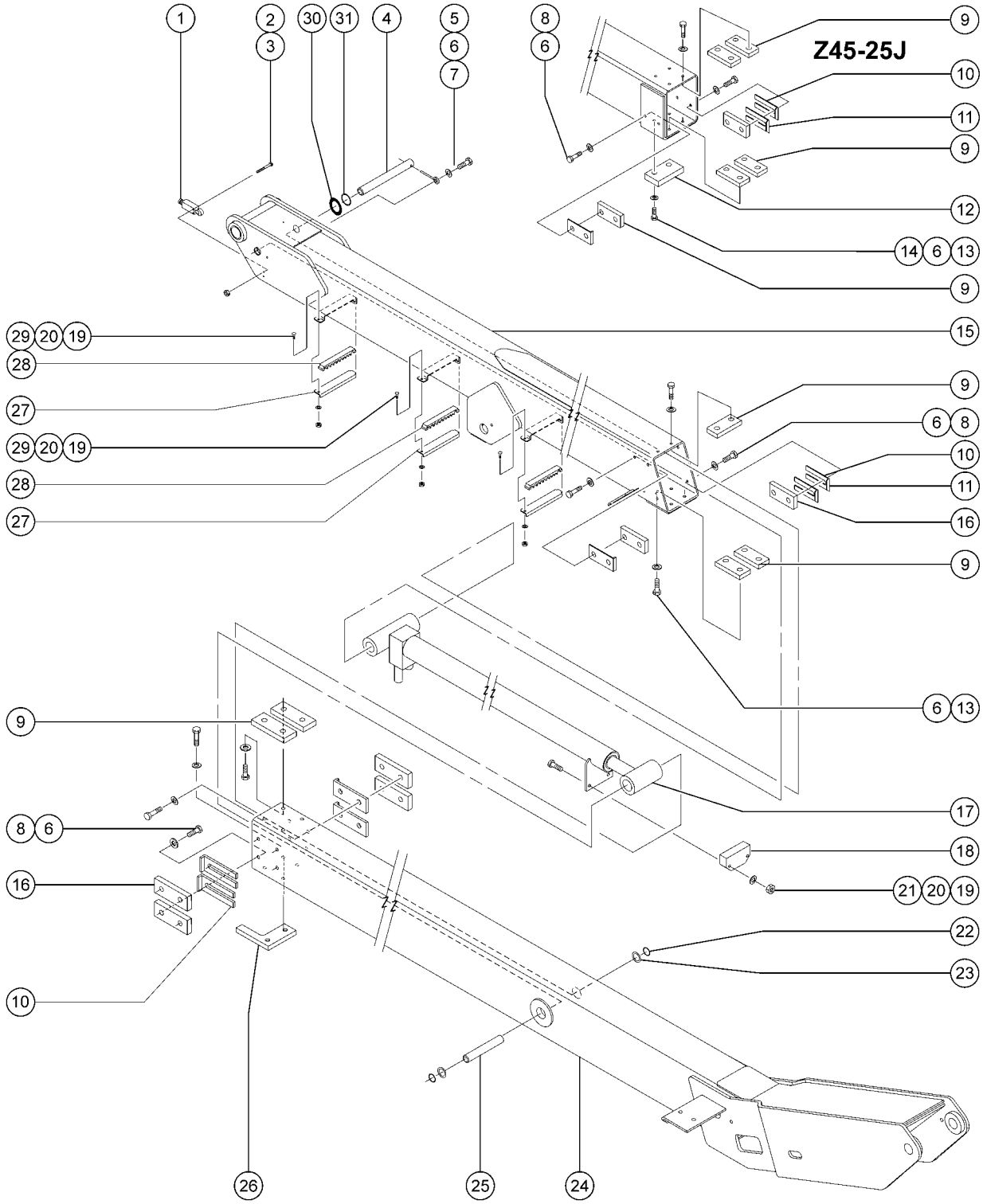
Item	Part No.	Description	Qty.
25	5397GT	WASHER, FLAT, USS, 5/16-18	

504.1 Primary and Extension Booms, Z-45/25



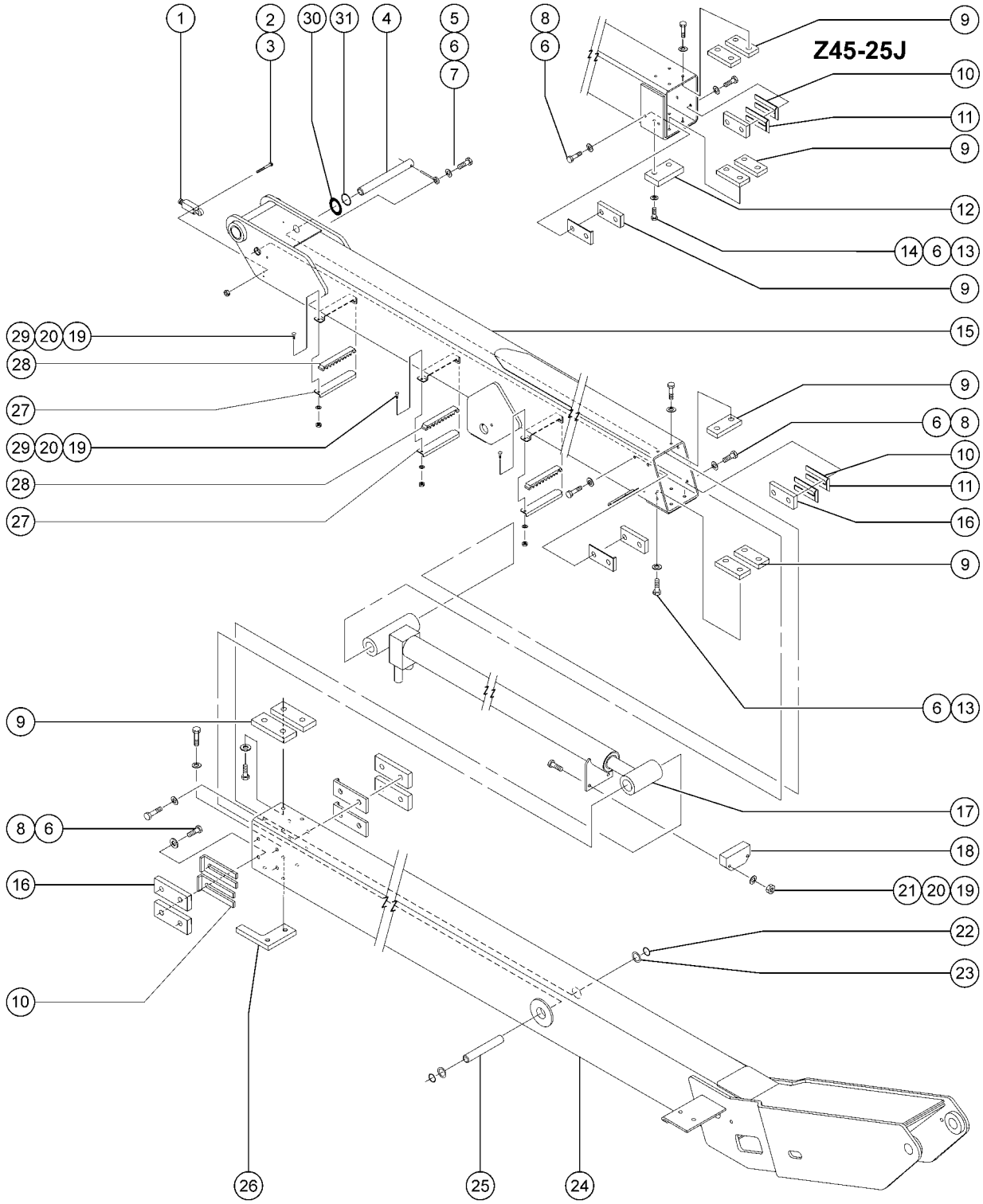
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
1-	97128GT	ROLLER ARM,LIMIT SWITCH***	
1-	19491GT	CONTACTOR,LIMIT SWITCH	
2	41488GT	SCREW,PHILLIPS,RHM,10-32 X 2	
3	6178GT	NUT, NYLOCK, 10-32	
4	50584GT	PIN,1.25DIAX9.38LG,THREADED	4
5	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
6	6021GT	WASHER, LOCK, .375	
7	825019GT	ROD END, .375X3.69, ZAG	1
8	94195GT	SCREW,HHC,3/8-16 X .75,GR 8	
9A	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS jib models	8
9B	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS non-jib models	7
10	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	9
11	42502GT	SHIM,SIDE PAD 22GA.	
12	54157GT	WEAR PAD,PRIMARY BOOM,JIB 5.5X3X1 Z-45/25J	1
13	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
14	5397GT	WASHER, FLAT, USS, 5/16-18	
15A	1257051GT	ASSEMBLY,PRIMARY BOOM,Z45 NJ Z-45/25 non Jib, bearings included	1
16	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	8
17A	54570GT	CYLINDER,EXTEND,Z45 NON JIB Z-45/25 non Jib	1
17A-	65788GT	SEAL KIT CYL Z45 (54570) for 54570	
17A-	54063GT	VALVE,CB.CBBC-LHN@1000*** for 54570	
17A--	43018GT	SEAL KIT (39345) for 54063	
17A-	77410GT	VALVE,COUNTERBALNCE,1500 PSI** for 54570	
18	50698GT	WEAR PAD,EXTENSION CYLINDER	1
19	6091GT	NUT,NYLOCK,1/4-20	

504.1 Primary and Extension Booms, Z-45/25



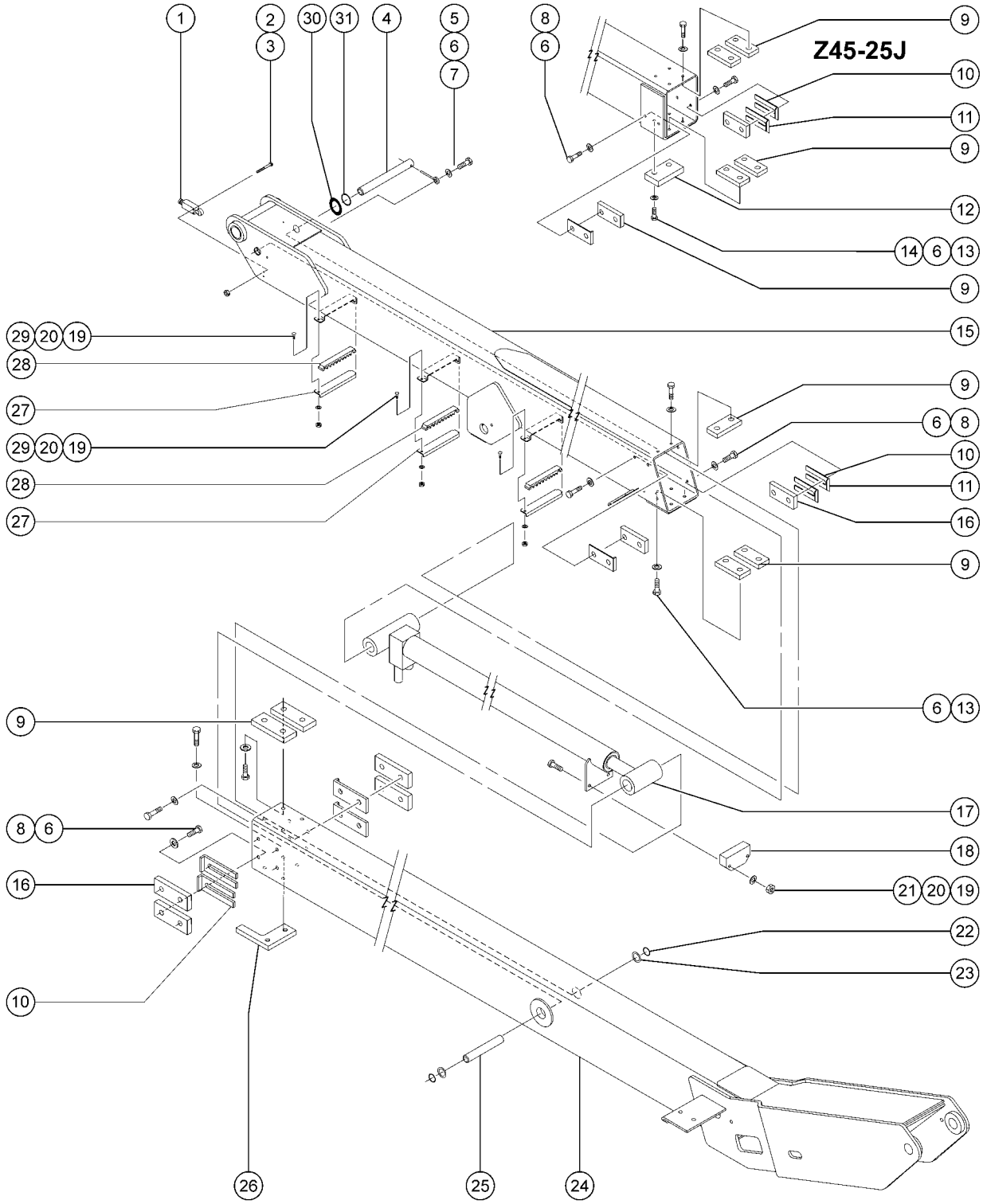
Item	Part No.	Description	Qty.
20	6638GT	WASHER, FLAT, USS, 1/4"Y	
21	6637GT	SCREW,HHC,1/4-20 X 1.75	
22	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	
23	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	
24A	128605GT	WELDMENT, EXT. BOOM,Z45 NJ Z-45/25 non Jib (shown)	1
25	50546GT	PIN,1.25DIAX6.36LG,2RING	1
26	50552GT	WEAR PAD,EXTENSION BOOM	1
27	128995GT	FORMING, HOSE CLAMP RETAINER	3
28	128601GT	CLAMP, PRI, HOSE/CABLE, Z45/51	3
29	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	3
30	77376GT	SPACER,NYLON,2.00 X 1.33 X.310	1
31	77375GT	SPACER,NYLON,2.01 X 1.28 X.135	1

504.2 Primary and Extension Booms, Z-45/25J



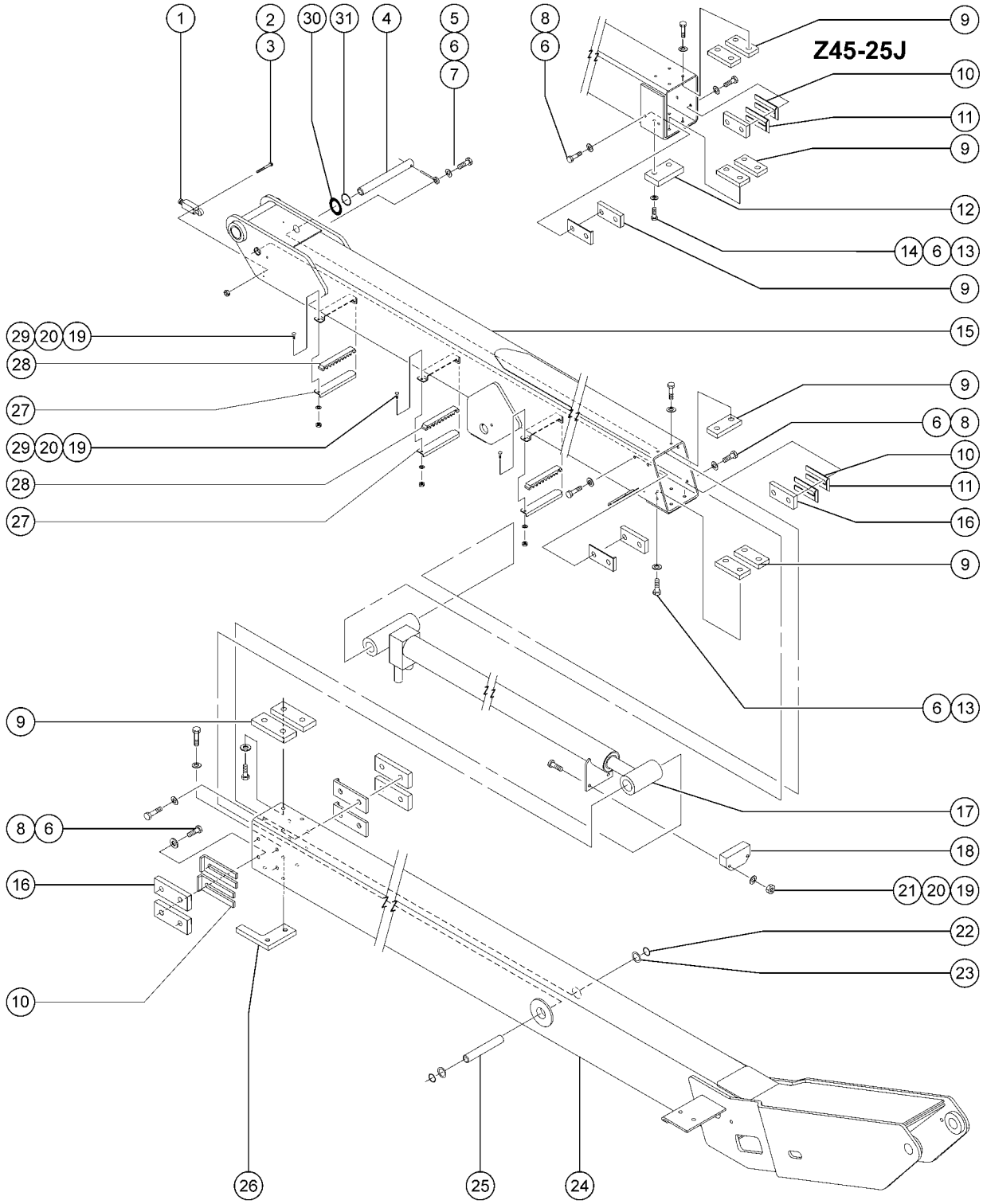
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
1-	97128GT	ROLLER ARM,LIMIT SWITCH***	
1-	19491GT	CONTACTOR,LIMIT SWITCH	
2	41488GT	SCREW,PHILLIPS,RHM,10-32 X 2	
3	6178GT	NUT, NYLOCK, 10-32	
4	50584GT	PIN,1.25DIAX9.38LG,THREADED	4
5	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
6	6021GT	WASHER, LOCK, .375	
7	825019GT	ROD END, .375X3.69, ZAG	1
8	94195GT	SCREW,HHC,3/8-16 X .75,GR 8	
9A	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS jib models	8
9B	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS non-jib models	7
11	42502GT	SHIM,SIDE PAD 22GA.	
12	54157GT	WEAR PAD,PRIMARY BOOM,JIB 5.5X3X1 Z-45/25J	1
13	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
14	5397GT	WASHER, FLAT, USS, 5/16-18	
15B	1257052GT	ASSEMBLY,PRIMARY BOOM,Z45 JIB Z-45/25J, bearings included	
16	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	8
17B	54569GT	CYLINDER,EXTEND,Z45J*** Z-45/25J	
17B-	65790GT	SEAL KIT CYL.Z45(54569) for 54569	
17B-	54063GT	VALVE,CB.CBBC-LHN@1000*** for 54569	
17B--	43018GT	SEAL KIT (39345) for 54063	
17B-	77410GT	VALVE,COUNTERBALNCE,1500 PSI** for 54569	
18	50698GT	WEAR PAD,EXTENSION CYLINDER	1
19	6091GT	NUT,NYLOCK,1/4-20	
20	6638GT	WASHER, FLAT, USS, 1/4"Y	

504.2 Primary and Extension Booms, Z-45/25J

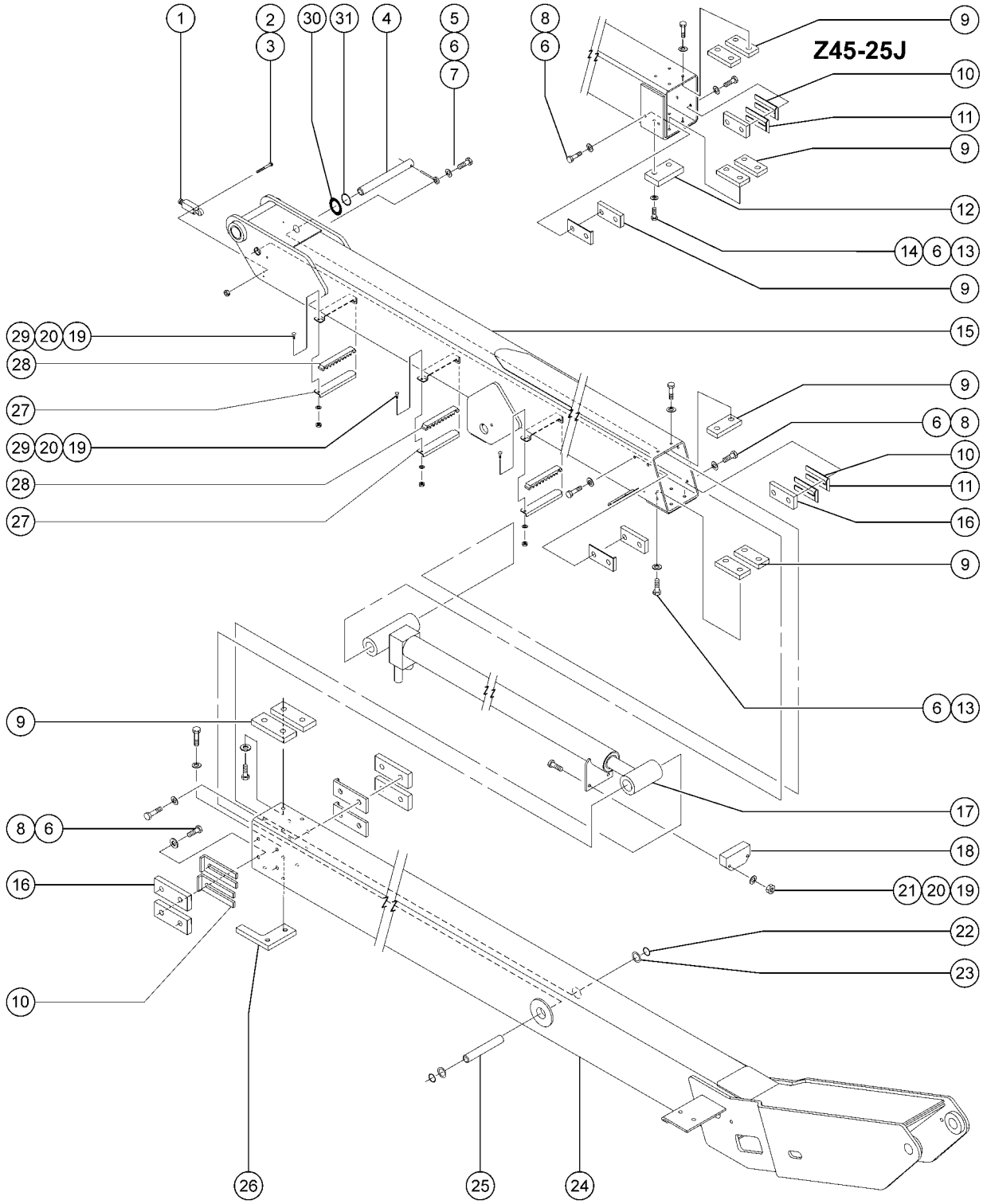


Item	Part No.	Description	Qty.
21	6637GT	SCREW,HHC,1/4-20 X 1.75	
22	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	
23	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	
24B	128304GT	WELDMENT,EXT. BOOM,Z45 JIB Z-45/25J	
25	50546GT	PIN,1.25DIAX6.36LG,2RING	1
26	50552GT	WEAR PAD,EXTENSION BOOM	1
27	128995GT	FORMING, HOSE CLAMP RETAINER	3
28	128601GT	CLAMP, PRI, HOSE/CABLE, Z45/51	3
29	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	3
30	77376GT	SPACER,NYLON,2.00 X 1.33 X.310	1
31	77375GT	SPACER,NYLON,2.01 X 1.28 X.135	1

504.3 Primary and Extension Booms

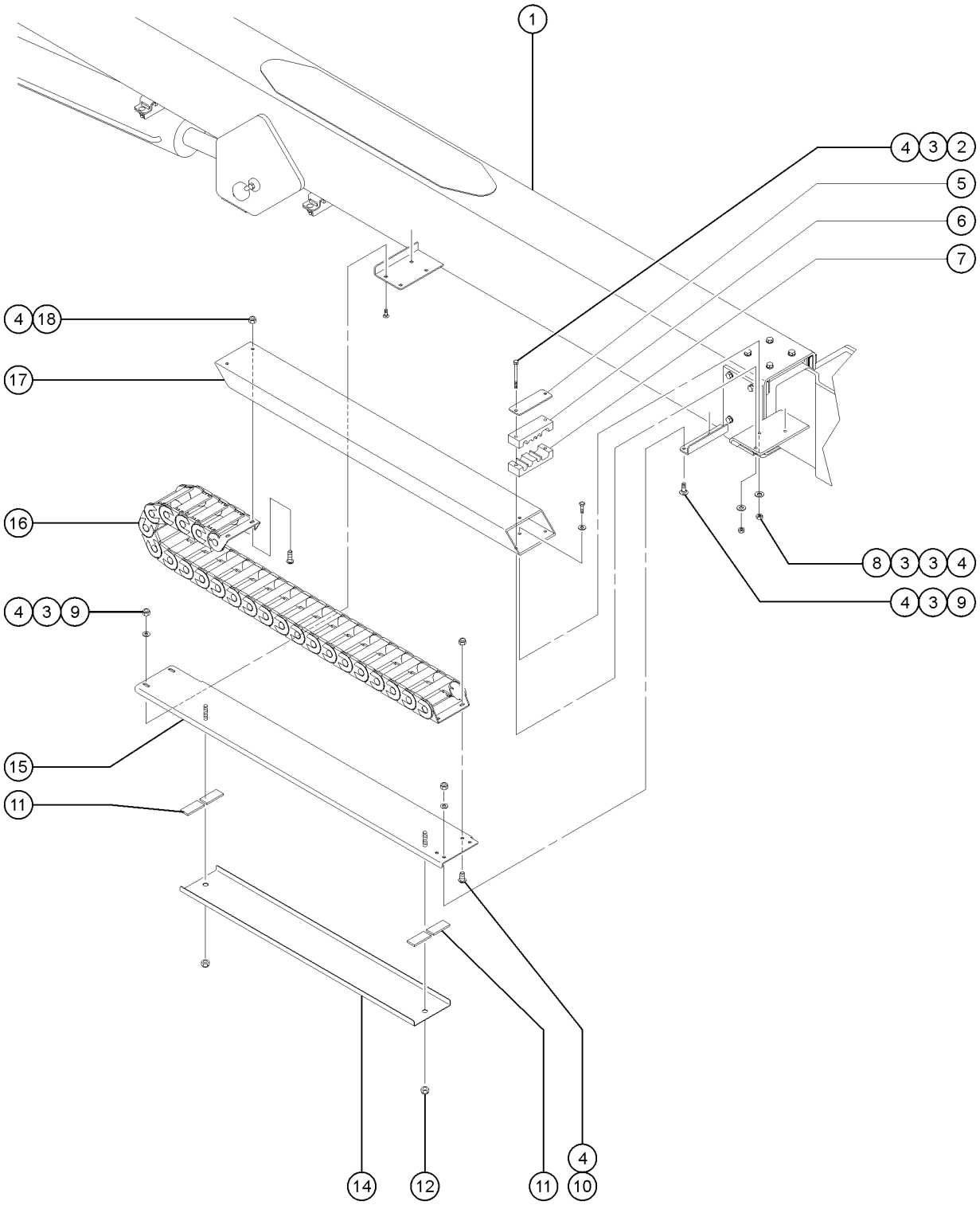


Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1	88356-11205GT	SWITCH,LIMIT,W/RLLR ARM NO/NC	1
1-	97128GT	ROLLER ARM,LIMIT SWITCH***	
1-	19491GT	CONTACTOR,LIMIT SWITCH	
2	41488GT	SCREW,PHILLIPS,RHM,10-32 X 2	
3	6178GT	NUT, NYLOCK, 10-32	
4	50584GT	PIN,1.25DIAX9.38LG,THREADED	4
5	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
6	6021GT	WASHER, LOCK, .375	
7	825019GT	ROD END, .375X3.69, ZAG	1
8	94195GT	SCREW,HHC,3/8-16 X .75,GR 8	
9A	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS jib models	8
9B	34125GT	WEAR PAD,5 X 1.5 X .75 W/NUTS non-jib models	7
10	29080GT	SHIM,WEAR PAD,5X 1.5 16GA	9
11	42502GT	SHIM,SIDE PAD 22GA.	
12	54157GT	WEAR PAD,PRIMARY BOOM,JIB 5.5X3X1 Z-45/25J	1
13	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
14	5397GT	WASHER, FLAT, USS, 5/16-18	
15B	1257052GT	ASSEMBLY,PRIMARY BOOM,Z45 JIB Z-45/25J, bearings included	
16	30138GT	WEAR PAD,5 X 1.5 X .625 W/NUTS	8
17B	54569GT	CYLINDER,EXTEND,Z45J*** Z-45/25J	
17B-	65790GT	SEAL KIT CYL.Z45(54569) for 54569	
17B-	54063GT	VALVE,CB.CBBC-LHN@1000*** for 54569	
17B--	43018GT	SEAL KIT (39345) for 54063	
17B-	77410GT	VALVE,COUNTERBALNCE,1500 PSI** for 54569	
18	50698GT	WEAR PAD,EXTENSION CYLINDER	1
19	6091GT	NUT,NYLOCK,1/4-20	


Z45-25J
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Item	Part No.	Description	Qty.
20	6638GT	WASHER, FLAT, USS, 1/4"Y	
21	6637GT	SCREW,HHC,1/4-20 X 1.75	
22	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	
23	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	
24B	128304GT	WELDMENT,EXT. BOOM,Z45 JIB Z-45/25J	
25	50546GT	PIN,1.25DIAX6.36LG,2RING	1
26	50552GT	WEAR PAD,EXTENSION BOOM	1
27	128995GT	FORMING, HOSE CLAMP RETAINER	3
28	128601GT	CLAMP, PRI, HOSE/CABLE, Z45/51	3
29	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	3
30	77376GT	SPACER,NYLON,2.00 X 1.33 X.310	1
31	77375GT	SPACER,NYLON,2.01 X 1.28 X.135	1

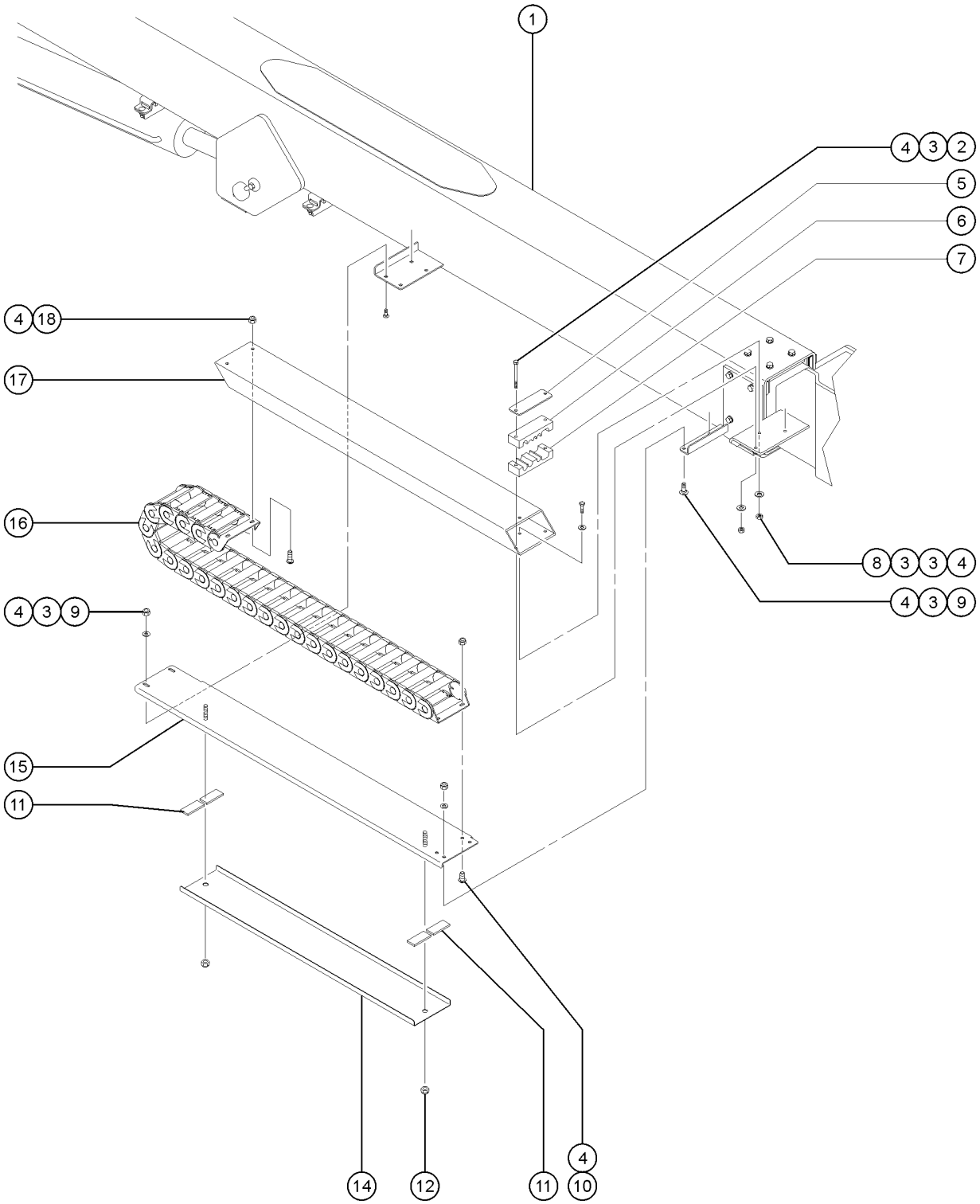
505.1 Cable Track, Z-45/25



505.1 Cable Track, Z-45/25

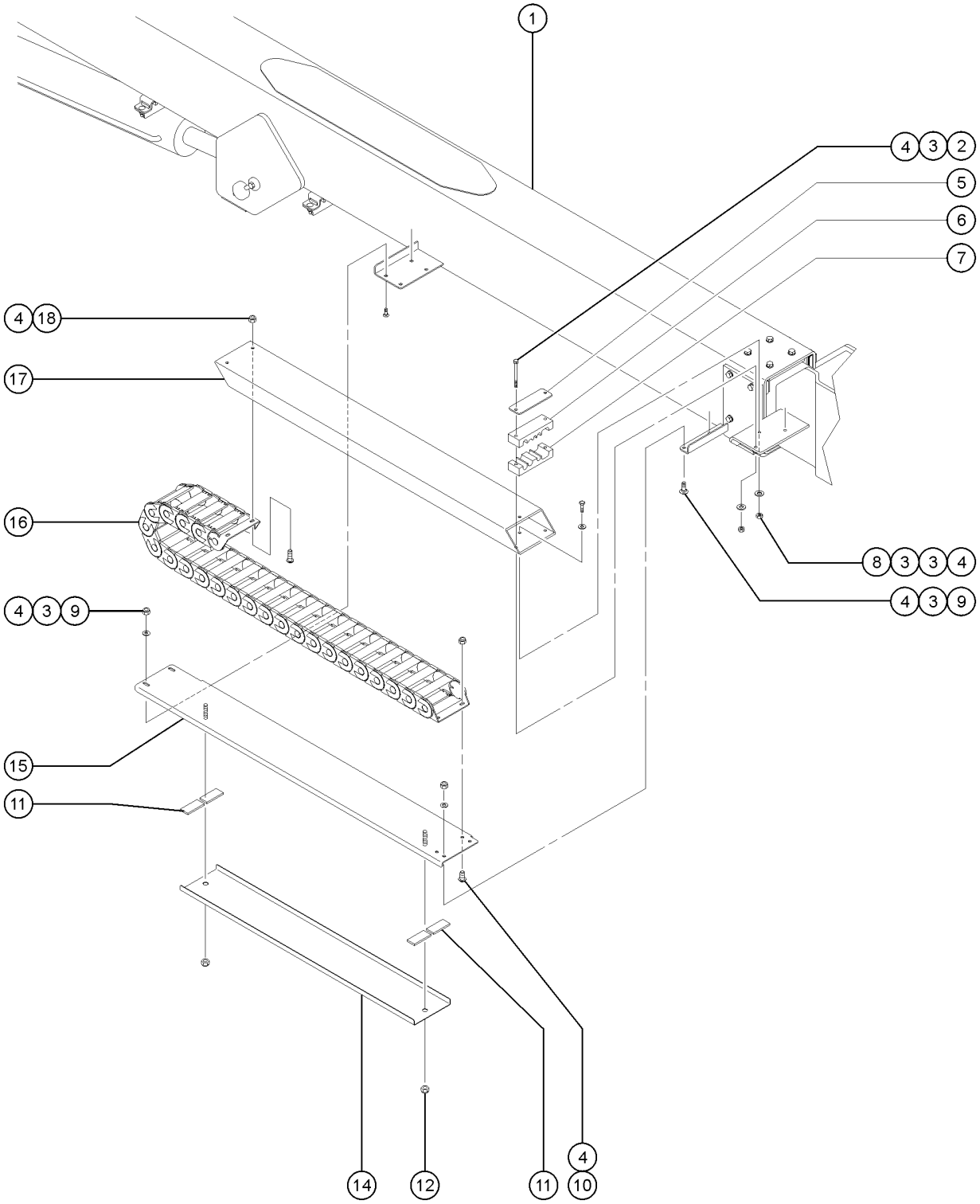
Item	Part No.	Description	Qty.
1		Ref. Primary and Extension Booms (refer to 504.1)	
2	36294GT	SCREW,HHC,1/4-20 X 2.75	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6091GT	NUT,NYLOCK,1/4-20	
5	128862GT	BACKING PLATE, PULLTUBE	1
6	128310GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
7	128311GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
8	6888GT	SCREW, HHC, 1/4-20 X 1	
9	6878GT	BOLT,CARRIAGE,1/4-20 X .75,G2	
10	14297GT	SCREW,BHHS,1/4-20 X .75	
11	54271GT	SPACER,HOSE CLAMP,RUBBER	4
12	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	
13			
14A	128596GT	COVER, CABLETRACK TRAY, Z51 Z-45/25	1
15A	139779GT	WELDMENT, CABLETRACK TRAY Z-45/25	1
16A	139701GT	CABLE TRACK, NP400, 31 LINK Z-45/25	1
16A-	111051GT	REPAIR LINK,7 LINKS NP400-7*** for 139701	
16A-	111052GT	REPAIR LINK,NP400-7*** for 139701	
16A-	111053GT	REPAIR END BRKT SET,NP400-7*** for 139701	
17A	128597GT	TUBE, CABLETRACK ARM, Z51 Z-45/25	1
18	14297GT	SCREW,BHHS,1/4-20 X .75	

505.2 Cable Track, Z-45/25J



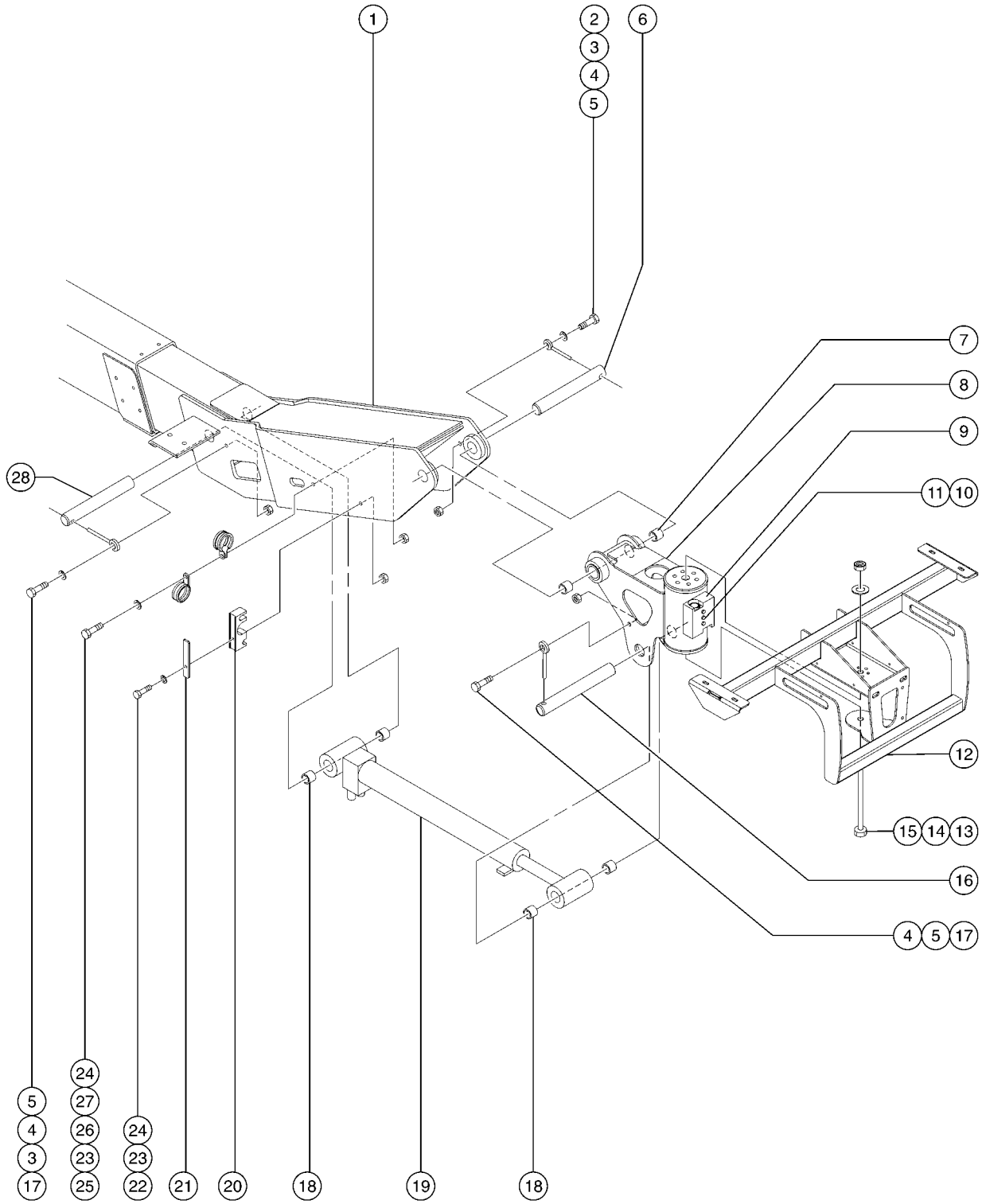
Item	Part No.	Description	Qty.
1		Ref. Primary and Extension Booms (refer to 504.1)	
2	36294GT	SCREW,HHC,1/4-20 X 2.75	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6091GT	NUT,NYLOCK,1/4-20	
5	128862GT	BACKING PLATE, PULLTUBE	1
6	128310GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
7	128311GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
8	6888GT	SCREW, HHC, 1/4-20 X 1	
9	6878GT	BOLT,CARRIAGE,1/4-20 X .75,G2	
10	14297GT	SCREW,BHHS,1/4-20 X .75	
11	54271GT	SPACER,HOSE CLAMP,RUBBER	4
12	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	
13			
14B	128308GT	COVER,CABLETRACK TRAY,Z40/45 Z-45/25J	1
15B	139781GT	WELDMENT, CABLETRACK TRAY Z-45/25J	1
16B	139702GT	CABLE TRACK, NP400, 23 LINK Z-45/25J	1
16B-	111051GT	REPAIR LINK,7 LINKS NP400-7*** for 139702	
16B-	111052GT	REPAIR LINK,NP400-7*** for 139702	
16B-	111053GT	REPAIR END BRKT SET,NP400-7*** for 139702	
17B	128309GT	TUBE, CABLETRACK ARM, Z40/45 Z-45/25J	1
18	14297GT	SCREW,BHHS,1/4-20 X .75	

505.3 Cable Track



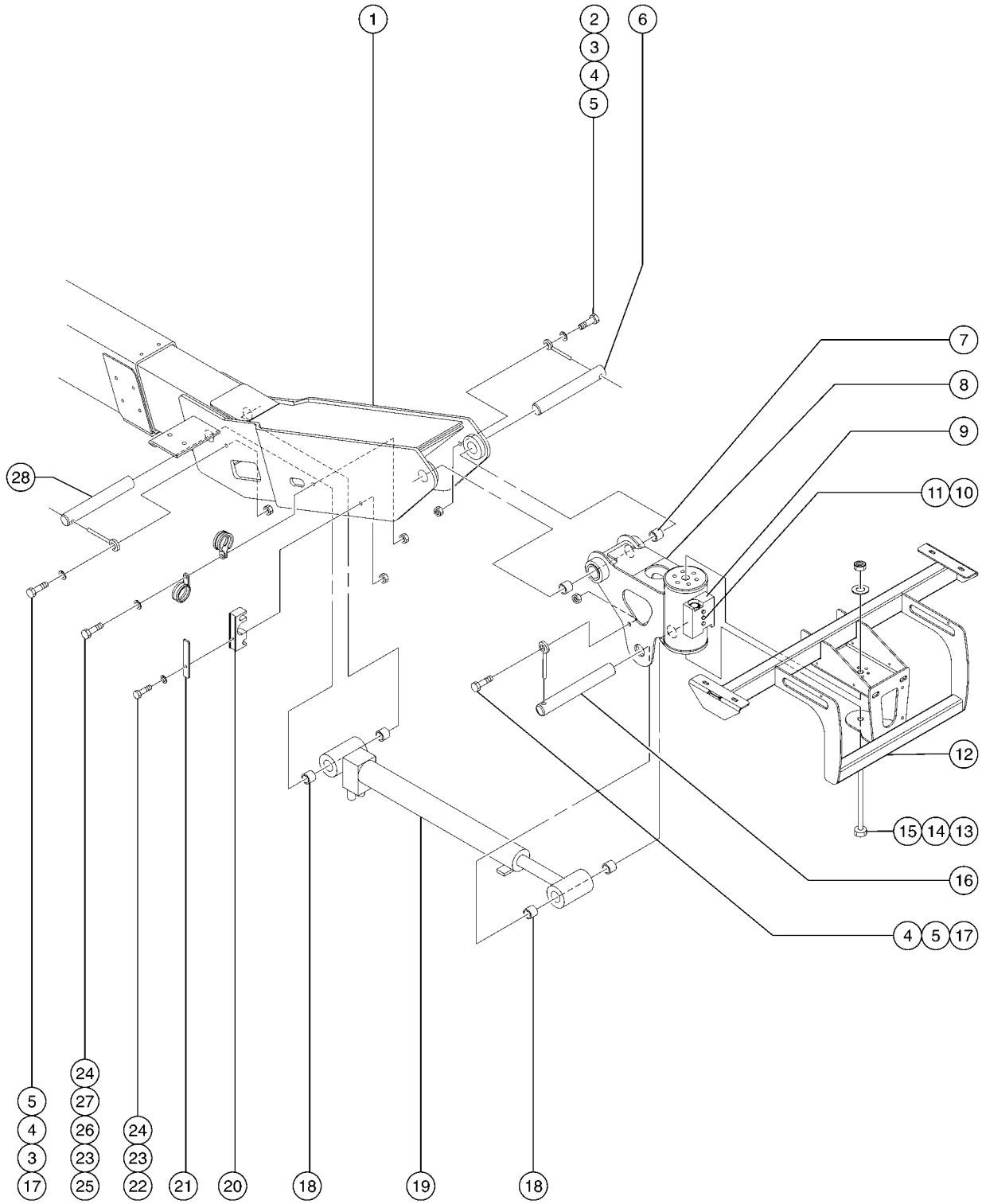
Item	Part No.	Description	Qty.
1		Ref. Primary and Extension Booms (refer to 504.1)	
2	36294GT	SCREW,HHC,1/4-20 X 2.75	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6091GT	NUT,NYLOCK,1/4-20	
5	128862GT	BACKING PLATE, PULLTUBE	1
6	128310GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
7	128311GT	CLAMP, JIB HOSE/CABLE, Z45/51	1
8	6888GT	SCREW, HHC, 1/4-20 X 1	
9	6878GT	BOLT,CARRIAGE,1/4-20 X .75,G2	
10	14297GT	SCREW,BHHS,1/4-20 X .75	
11	54271GT	SPACER,HOSE CLAMP,RUBBER	4
12	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	
13			
14B	128308GT	COVER,CABLETRACK TRAY,Z40/45 Z-45/25J	1
15B	139781GT	WELDMENT, CABLETRACK TRAY Z-45/25J	1
16B	139702GT	CABLE TRACK, NP400, 23 LINK Z-45/25J	1
16B-	111051GT	REPAIR LINK,7 LINKS NP400-7*** for 139702	
16B-	111052GT	REPAIR LINK,NP400-7*** for 139702	
16B-	111053GT	REPAIR END BRKT SET,NP400-7*** for 139702	
17B	128309GT	TUBE, CABLETRACK ARM, Z40/45 Z-45/25J	1
18	14297GT	SCREW,BHHS,1/4-20 X .75	

506.1 Non-Jib Platform Leveling and Rotation , Z-45/25



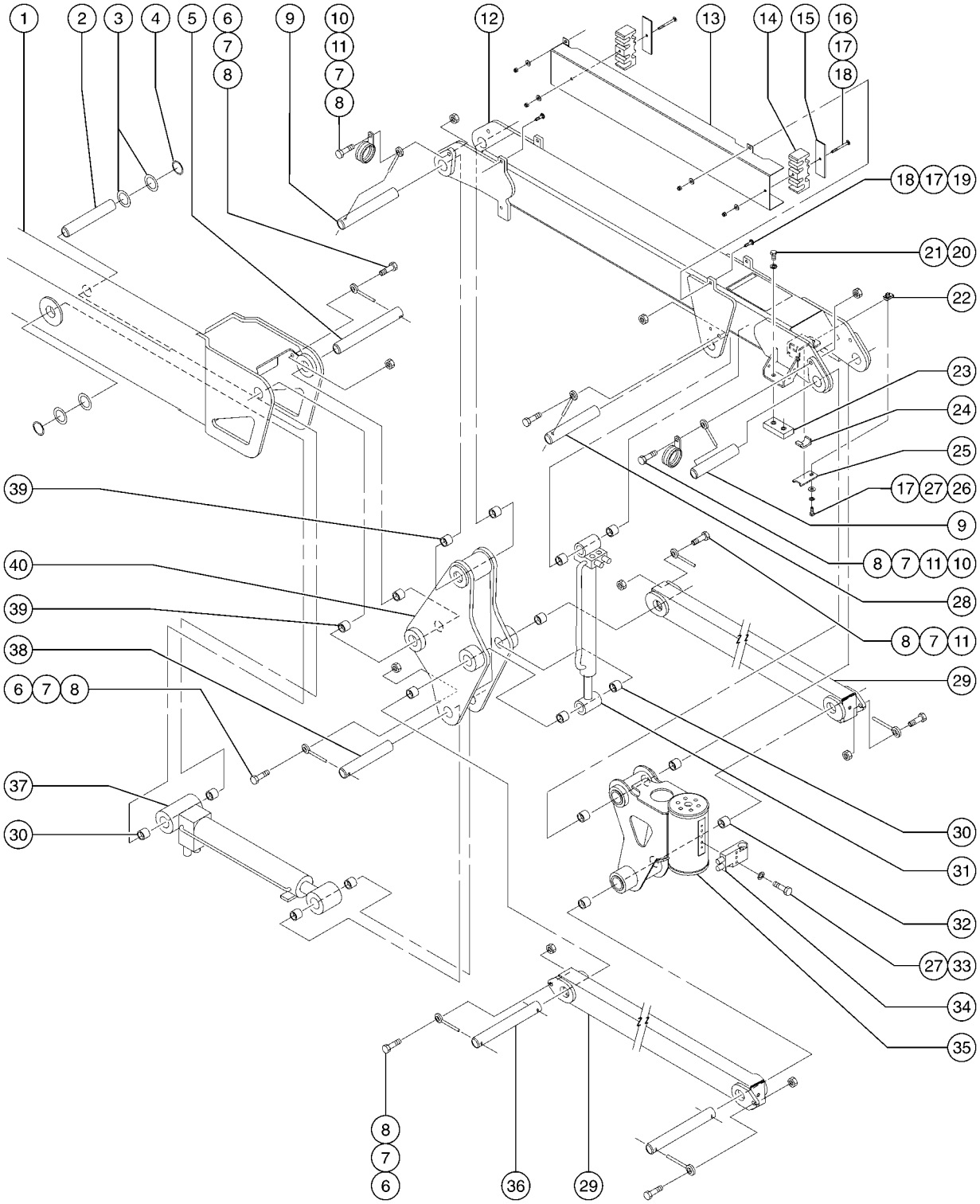
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1		Ref. Primary Extension Boom (refer to 504.1)	
2	8516GT	SCREW, HCC, 3/8-16 X 1.50	
4	825019GT	ROD END, .375X3.69, ZAG	1
5	4828GT	NUT, NYLOCK, 3/8-16	
6	50543GT	PIN,1.25DIAX8.88LG,1HOLE	1
7	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L	2
8	233716GT	ROTATOR,PLAT,Z45 non-jib units	1
8-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR	
9		Ref. Counterbalance Manifold (refer to 704.1)	
10	6145GT	SCREW, HHC, 1/4-20 X 1.5	
11	6356GT	WASHER, LOCK, .25	
12	54520-SGT	WELDMNT,PLATFRM SUPPORT,NJIB**	1
13	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE	1
14	33278GT	WASHER, FLAT, .75 HARDENED	1
15	77051GT	NUT,NYLOCK,3/4-10,GRD.8	1
16	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
17	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
18	25683GT	BEARING,POLYGON,20DU12	4
19	77363GT	CYLINDER,LEVELING,BELLCRANK,Z-45	1
19-	77364GT	SEAL KIT, LEVELING CYLINDER for 77363	
19-	54065GT	VALVE,COUNTERBALANCE,3500*** for 77363	
19-	43018GT	SEAL KIT (39345) for 54065	
20	139687GT	CLAMP, #4 HOSE, AIR AND LOOM	1
21	139688GT	BRACKET, HOSE CLAMP SUPPORT	
22	36294GT	SCREW,HHC,1/4-20 X 2.75	
23	6638GT	WASHER, FLAT, USS, 1/4"Y	

506.1 Non-Jib Platform Leveling and Rotation , Z-45/25



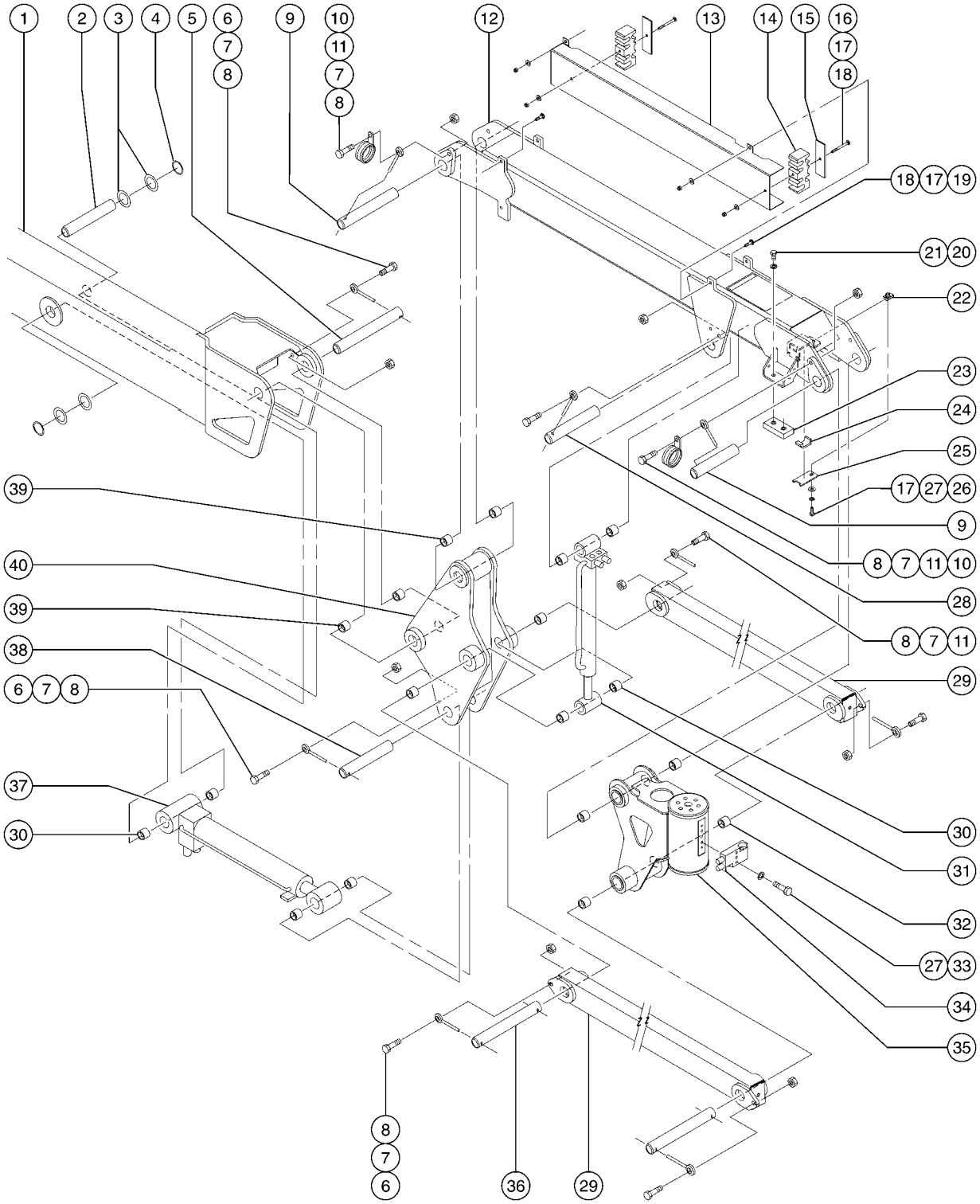
Item	Part No.	Description	Qty.
24	6091GT	NUT,NYLOCK,1/4-20	
25	6888GT	SCREW, HHC, 1/4-20 X 1	
26	21619GT	CLAMP,1.50,#24 X 1/4,RUB CUSH	
27	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	
28	T107884GT	PIN,1.25DIAX7.00LG,1HOLE	1

507.1 Jib Boom and Platform Leveling, Z-45/25J



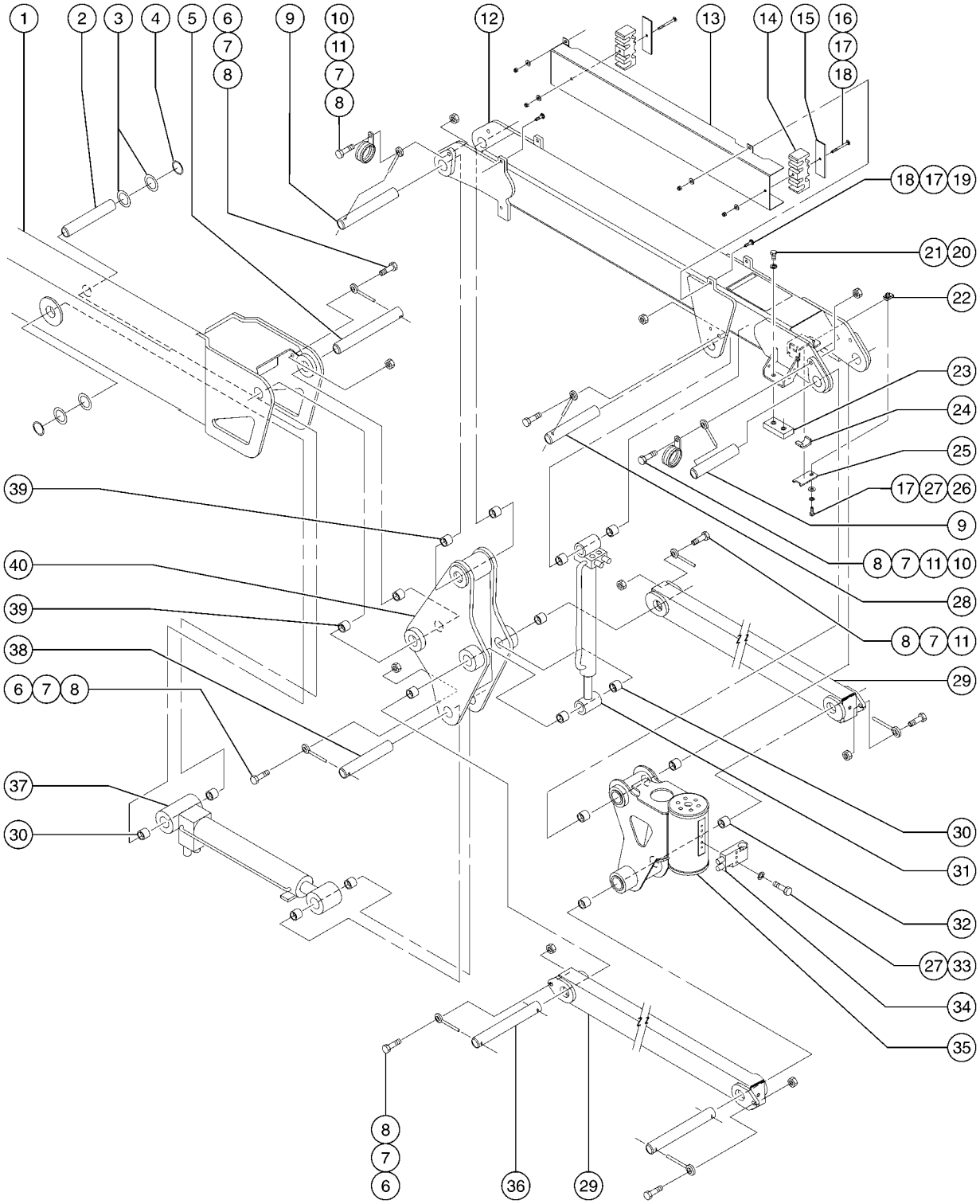
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1		Ref. Primary and Extension Booms (refer to 504.1)	
2	50546GT	PIN,1.25DIAX6.36LG,2RING	1
3	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	
4	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	
5	50543GT	PIN,1.25DIAX8.88LG,1HOLE	1
6	8516GT	SCREW, HCC, 3/8-16 X 1.50	
7	825019GT	ROD END, .375X3.69, ZAG	
8	4828GT	NUT, NYLOCK, 3/8-16	
9	T107883GT	PIN,1.25DIAX7.88LG,1HOLE	2
10	5224GT	SCREW,HHC,3/8-16 X 2	
11	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	2
12	128534GT	JIB BOOM ASSY W/WORD DECAL	1
13	128454PGT	COVER, JIB HOSES/CABLES	1
14	128510GT	CLAMP,JIB HOSE/CABLE,Z45/51	2
14-	128511GT	CLAMP,JIB HOSE/CABLE,ARCTIC (arctic option)	
15	128483GT	BACKING PLATE, HOSE BLOCK, JIB	2
16	128724GT	BOLT,CARRIAGE,1/4-20 X 2.75,G2	
17	6638GT	WASHER, FLAT, USS, 1/4"Y	
18	6091GT	NUT,NYLOCK,1/4-20	
19	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	
20	8255GT	SCREW,HHC,3/8-16 X .75	
21	6021GT	WASHER, LOCK, .375	
22	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
23	81640GT	WEAR PAD,3 X 1.5 X.625 W/NUTS	1
24	119542GT	CLAMP,TWO HOSE	1
24-	119994GT	CLAMP,TWO HOSE,ARCTIC (arctic option)	

507.1 Jib Boom and Platform Leveling, Z-45/25J



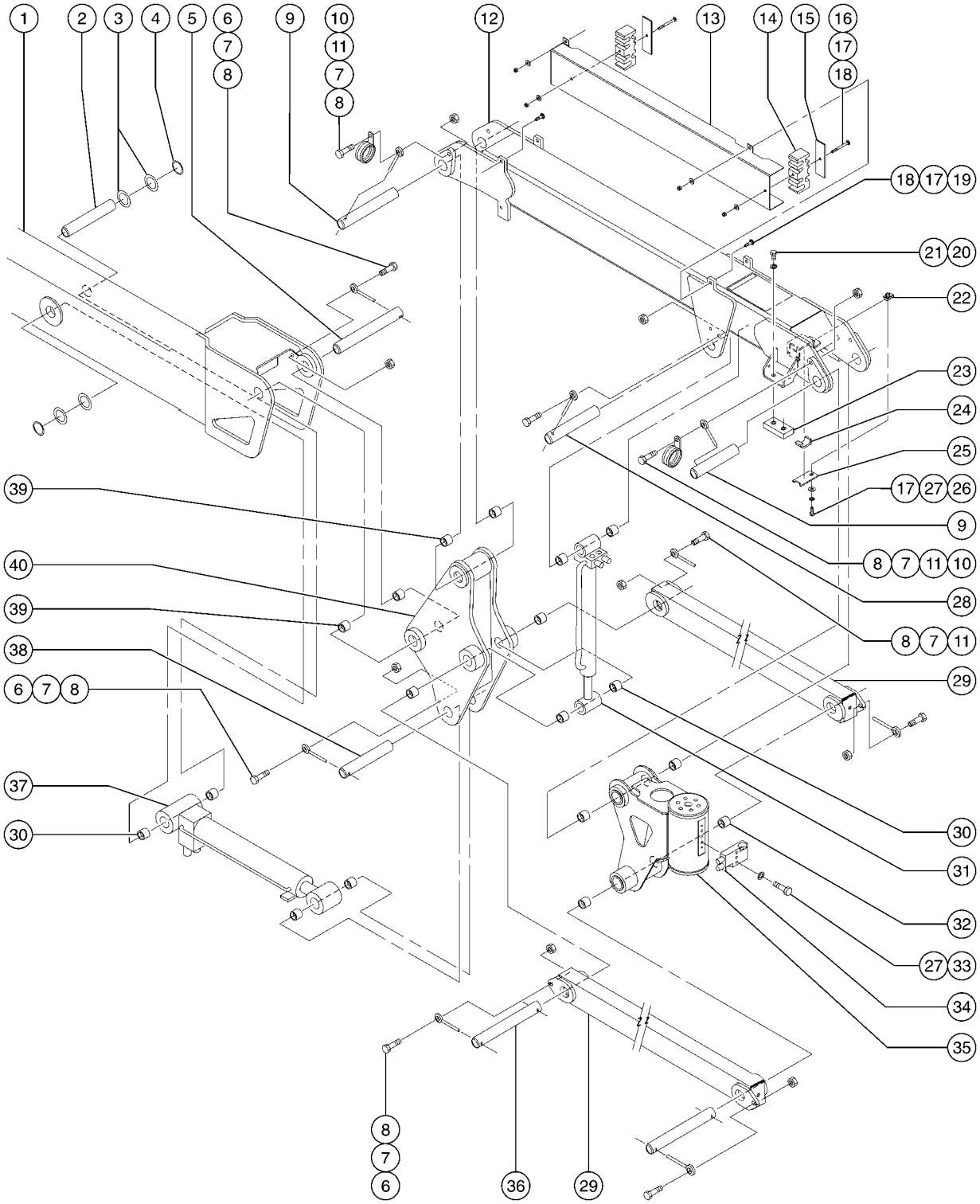
Item	Part No.	Description	Qty.
25	119536PGT	BRACKET,HOSE CLAMP,PAINTED	1
26	6888GT	SCREW, HHC, 1/4-20 X 1	
27	6356GT	WASHER, LOCK, .25	
28	T107884GT	PIN,1.25DIAX7.00LG,1HOLE	1
29	61306-SGT	COMPR.LINK,MACHINED,GND CONTR*	2
30	25683GT	BEARING,POLYGON,20DU12	4
31	54994GT	CYLINDER,JIB,Z45,#4 PORTS***	1
31-	65789GT	SEAL KIT (54994) for 54994	
31-	50480GT	VALVE,COUNTERBALANCE,3800 PSI* for 54994	
31-	43018GT	SEAL KIT (39345) for 50480 and 54065	
32	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L	
33	6145GT	SCREW, HHC, 1/4-20 X 1.5	4
34		Ref. Rotator Manifold (refer to 704.1)	
35		Ref. Platform Rotator (refer to 508.1)	1
36	81175GT	PIN,1.25DIAX14.45LG,2HOLE	2
37	77363GT	CYLINDER,LEVELING,BELLCRANK,Z-45	1
37-	77364GT	SEAL KIT, LEVELING CYLINDER for 77363	
37-	54065GT	VALVE,COUNTERBALANCE,3500*** for 77363	
37-	43018GT	SEAL KIT (39345) for 50480 and 54065	
38	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
39	35675GT	BEARING,FL,1.25IDX1.5ODX1.25L	6
40	50466-SGT	BELLCRANK,JIB,WELD/Z45/25***	1

507.2 Jib Boom and Platform Leveling



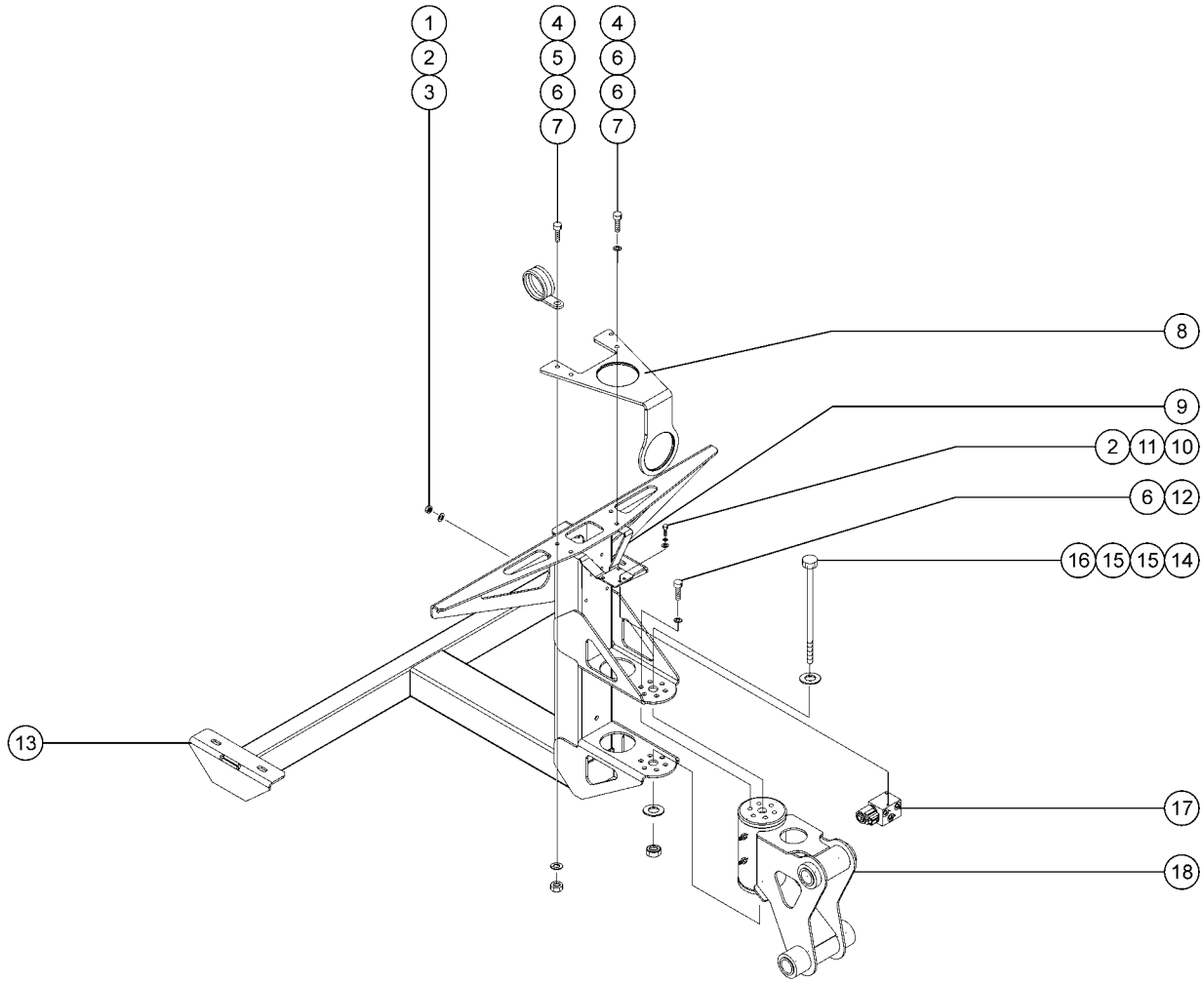
Item	Part No.	Description	Qty.
-	150103GT	WIRE LOOM,1.25"NYLON,HIGH TEMP	103 inches
1		Ref. Primary and Extension Booms (refer to 504.1)	
2	50546GT	PIN,1.25DIAX6.36LG,2RING	1
3	30255GT	WASHER,SHIM,1.27 X 2.13 X .062	
4	824164GT	SNAP RING, EXTERNAL,1.25, ZAG	
5	50543GT	PIN,1.25DIAX8.88LG,1HOLE	1
6	8516GT	SCREW, HCC, 3/8-16 X 1.50	
7	825019GT	ROD END, .375X3.69, ZAG	
8	4828GT	NUT, NYLOCK, 3/8-16	
9	T107883GT	PIN,1.25DIAX7.88LG,1HOLE	2
10	5224GT	SCREW,HHC,3/8-16 X 2	
11	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	2
12	128534GT	JIB BOOM ASSY W/WORD DECAL	1
13	128454PGT	COVER, JIB HOSES/CABLES	1
14	128510GT	CLAMP,JIB HOSE/CABLE,Z45/51	2
14-	128511GT	CLAMP,JIB HOSE/CABLE,ARCTIC (arctic option)	
15	128483GT	BACKING PLATE, HOSE BLOCK, JIB	2
16	128724GT	BOLT,CARRIAGE,1/4-20 X 2.75,G2	
17	6638GT	WASHER, FLAT, USS, 1/4"Y	
18	6091GT	NUT,NYLOCK,1/4-20	
19	79456GT	BOLT,CARRIAGE,1/4-20 X 1.00,G2	
20	8255GT	SCREW,HHC,3/8-16 X .75	
21	6021GT	WASHER, LOCK, .375	
22	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
23	81640GT	WEAR PAD,3 X 1.5 X.625 W/NUTS	1
24	119542GT	CLAMP,TWO HOSE	1
24-	119994GT	CLAMP,TWO HOSE,ARCTIC (arctic option)	

507.2 Jib Boom and Platform Leveling



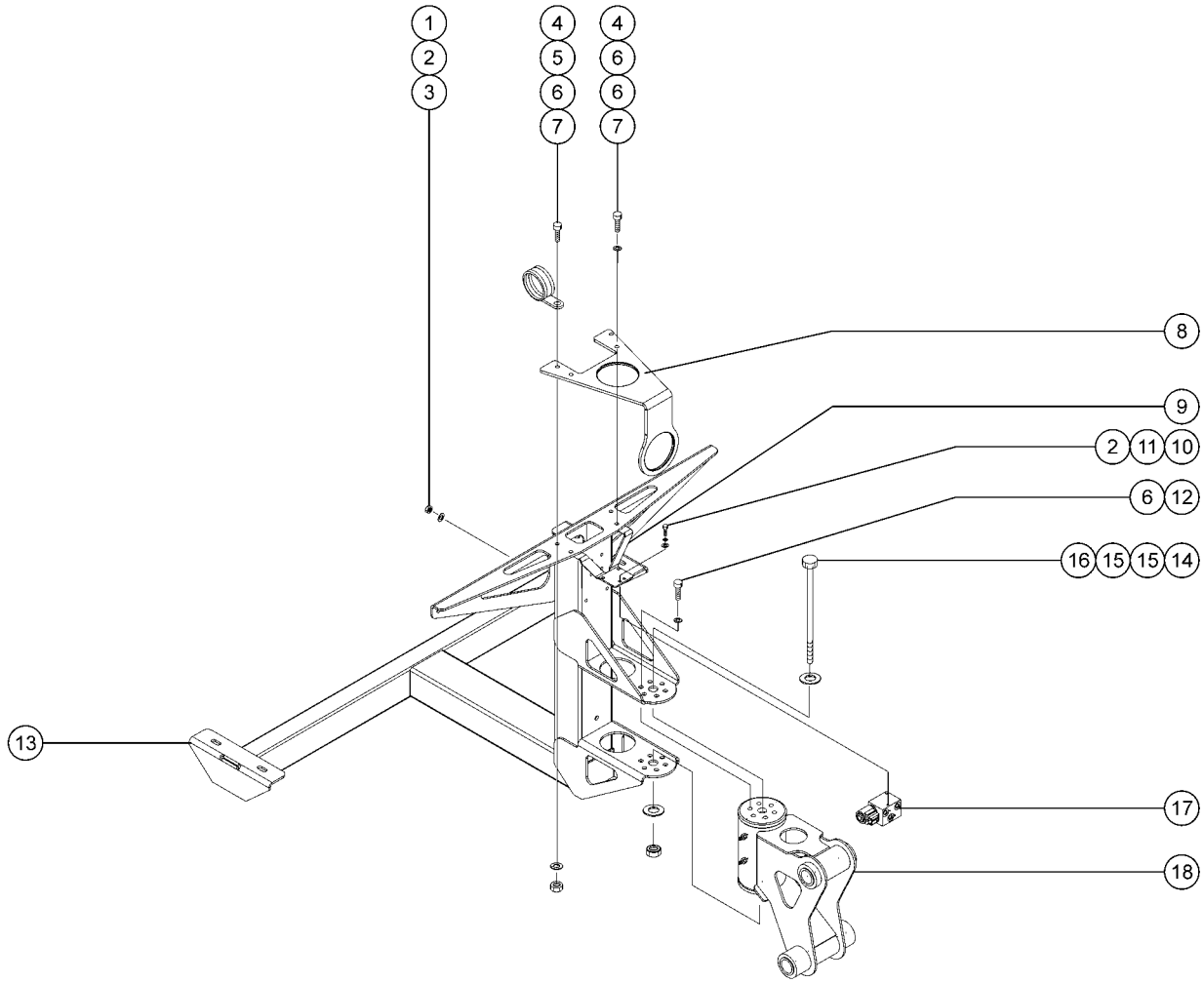
Item	Part No.	Description	Qty.
25	119536PGT	BRACKET,HOSE CLAMP,PAINTED	1
26	6888GT	SCREW, HHC, 1/4-20 X 1	
27	6356GT	WASHER, LOCK, .25	
28	T107884GT	PIN,1.25DIAX7.00LG,1HOLE	1
29	61306-SGT	COMPR.LINK,MACHINED,GND CONTR*	2
30	25683GT	BEARING,POLYGON,20DU12	4
31	54994GT	CYLINDER,JIB,Z45,#4 PORTS***	1
31-	65789GT	SEAL KIT (54994) for 54994	
31-	50480GT	VALVE,COUNTERBALANCE,3800 PSI* for 54994	
31-	43018GT	SEAL KIT (39345) for 50480 and 54065	
32	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L	
33	6145GT	SCREW, HHC, 1/4-20 X 1.5	4
34		Ref. Rotator Manifold (refer to 704.1)	
35		Ref. Platform Rotator (refer to 508.1)	1
36	81175GT	PIN,1.25DIAX14.45LG,2HOLE	2
37	77363GT	CYLINDER,LEVELING,BELLCRANK,Z-45	1
37-	77364GT	SEAL KIT, LEVELING CYLINDER for 77363	
37-	54065GT	VALVE,COUNTERBALANCE,3500*** for 77363	
37-	43018GT	SEAL KIT (39345) for 50480 and 54065	
38	T108075GT	PIN,1.25DIAX5.25LG,1HOLE	1
39	35675GT	BEARING,FL,1.25IDX1.5ODX1.25L	6
40	50466-SGT	BELLCRANK,JIB,WELD/Z45/25***	1

508.1 Platform Rotation and Support, Z-45/25J

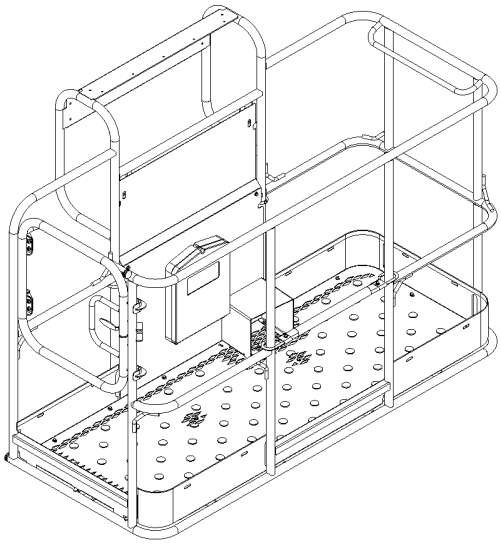


Item	Part No.	Description	Qty.
1	6091GT	NUT,NYLOCK,1/4-20	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	36294GT	SCREW,HHC,1/4-20 X 2.75	
4	13000GT	SCREW,HHC,5/16-18 X 1.25	4
5	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	1
6	5397GT	WASHER, FLAT, USS, 5/16-18	
7	6782GT	NUT, NYLOCK, 5/16-18	
8	106163GT	FORMING,CABLE GUIDE order 55067 grommet separately	1
8-	55067GT	GROMMET,RUBBER 3 X .19 X 3.5	2
9	110671GT	PLATE,JIB,ROTATE MANIFOLD	1
10	6090GT	SCREW, HHC, 1/4-20 X .75	
11	6356GT	WASHER, LOCK, .25	
12	94195GT	SCREW,HHC,3/8-16 X .75,GR 8	6
13	54510-SGT	WELDMENT,PLATFORM SUPPORT for models with the Platform Overload option order 98154	1
14	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE	1
15	33278GT	WASHER, FLAT, .75 HARDENED	
16	77051GT	NUT,NYLOCK,3/4-10,GRD.8	1
17		Ref. Jib Manifold (refer to 704.1)	
18	233715GT	ROTATOR,PLAT,Z45J/Z51J	
18-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR for 233715	
18-	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L for 233715	
18-	88516GT	SCREW,BLEEDER,M5X0.8 for 233715	

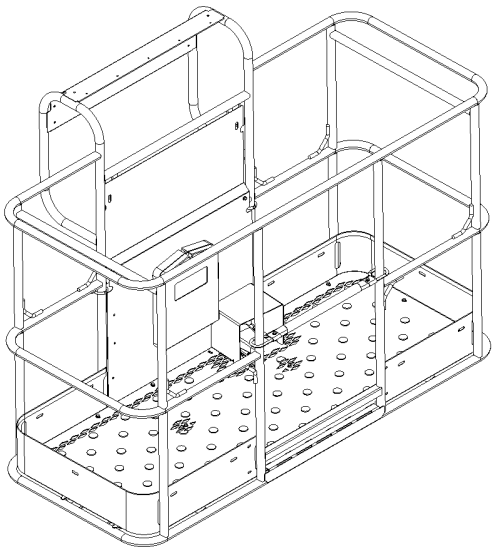
508.2 Platform Rotation and Support



Item	Part No.	Description	Qty.
1	6091GT	NUT,NYLOCK,1/4-20	
2	6638GT	WASHER, FLAT, USS, 1/4"Y	
3	36294GT	SCREW,HHC,1/4-20 X 2.75	
4	13000GT	SCREW,HHC,5/16-18 X 1.25	4
5	77181GT	CLAMP,1.63,#26 X 3/8,RUB CUSH	1
6	5397GT	WASHER, FLAT, USS, 5/16-18	
7	6782GT	NUT, NYLOCK, 5/16-18	
8	106163GT	FORMING,CABLE GUIDE order 55067 grommet separately	1
8-	55067GT	GROMMET,RUBBER 3 X .19 X 3.5	2
9	110671GT	PLATE,JIB,ROTATE MANIFOLD	1
10	6090GT	SCREW, HHC, 1/4-20 X .75	
11	6356GT	WASHER, LOCK, .25	
12	94195GT	SCREW,HHC,3/8-16 X .75,GR 8	6
13	54510-SGT	WELDMENT,PLATFORM SUPPORT jib models	1
13-	61998GT	WELDMENT,PLATFORM SUPPORT jib models with platform overload option	
14	56925GT	SCREW,HHC,3/4-10 X 9.5 GR 8 YE	1
15	33278GT	WASHER, FLAT, .75 HARDENED	
16	77051GT	NUT,NYLOCK,3/4-10,GRD.8	1
17		Ref. Jib Manifold (refer to 704.1)	
18	233715GT	ROTATOR,PLAT,Z45J/Z51J	
18-	233745GT	SEAL AND BRG KIT, 4.5K ROTATOR for 233715	
18-	30222GT	BEARING,FL,1.25IDX1.41ODX1.50L for 233715	
18-	88516GT	SCREW,BLEEDER,M5X0.8 for 233715	



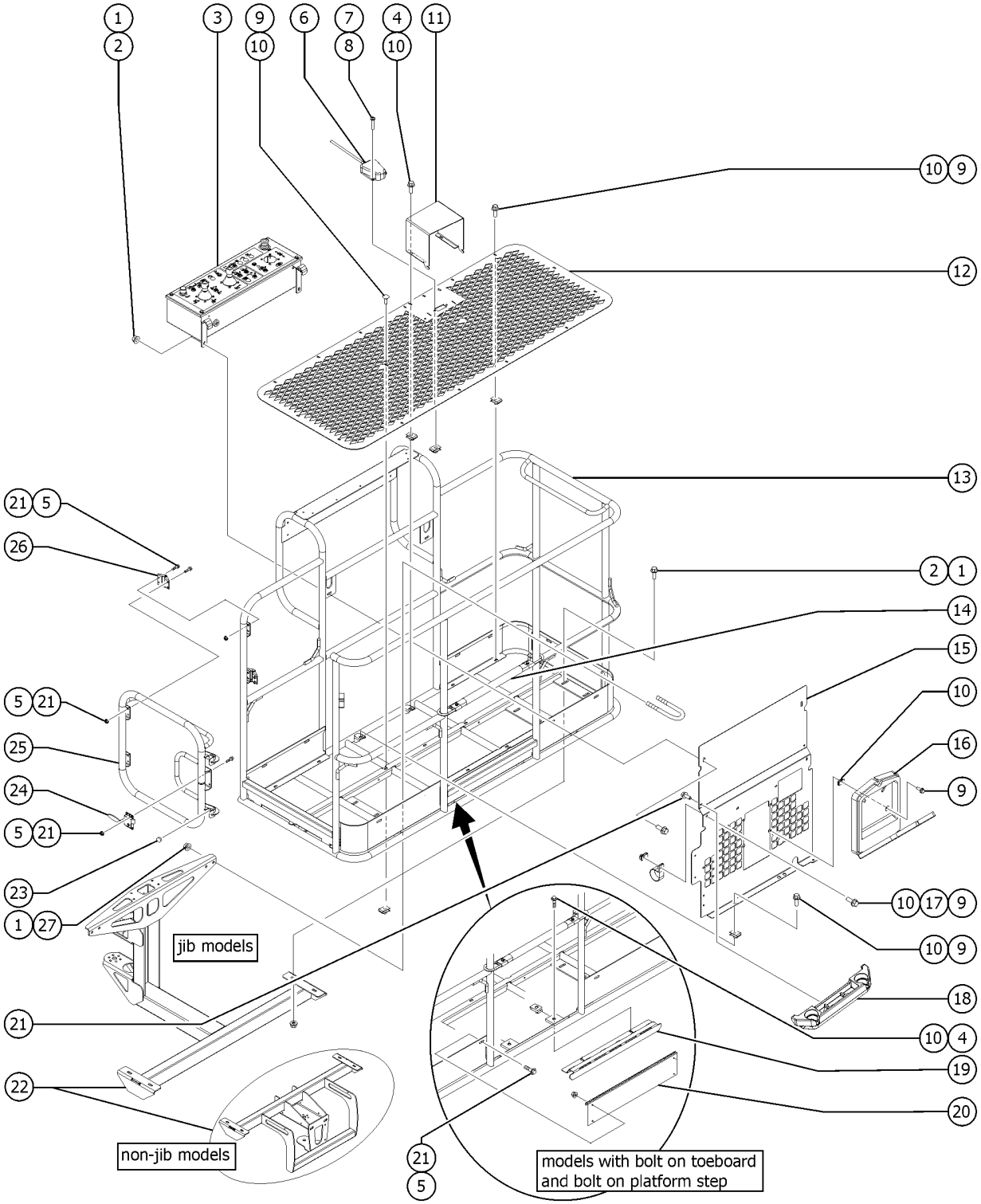
(1) Side Swing Gate Platform



(2) Front Single Entry Platform

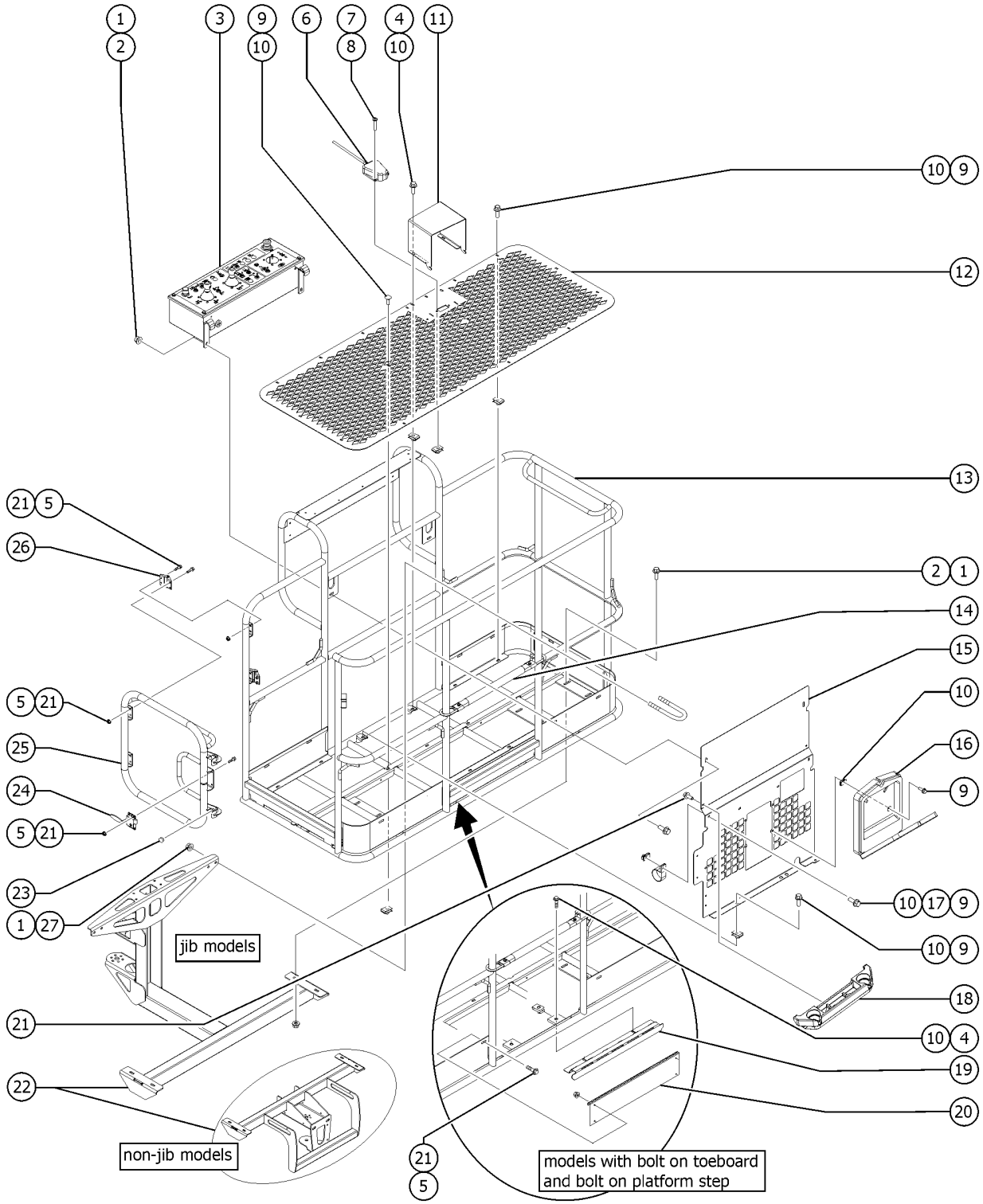
Item	Part No.	Description	Qty.
-		Complete Platform Assemblies with Decals	
A	1279140GT	PLAT ASSY,6' W/SIDE GATE,Z45IC/Z51 ANSI WORD USA and Canadian models	
B	1279141GT	PLAT ASSY,6’ W/SIDE GATE,Z45/51 AUS Australian models	
C	1279142GT	PLAT ASSY,6’ W/SIDE GATE,Z45/51 CE European models	
D	1279143GT	PLAT ASSY,6' W/SIDE GATE,Z45/51 ANSI SYM Asia/South America models	
-		Complete Platform Assemblies and Platform Weldments without Decals (refer to section 100 for decals)	
1	1272303GT	ASSY,6FT PLAT DUAL LG,BLANK	
2A	161541GT	ASSY,4FT PLATFORM, NO DECALS Single entry	
2B	161542GT	ASSY,5FT PLATFORM, NO DECALS Single entry	
2C	160809GT	ASSY,6FT PLATFORM,NO DECALS Single entry	
-	73900GT	WELDMNT,6 FT PLATFORM flooring and decal plate not included	

602.1 Platform Components



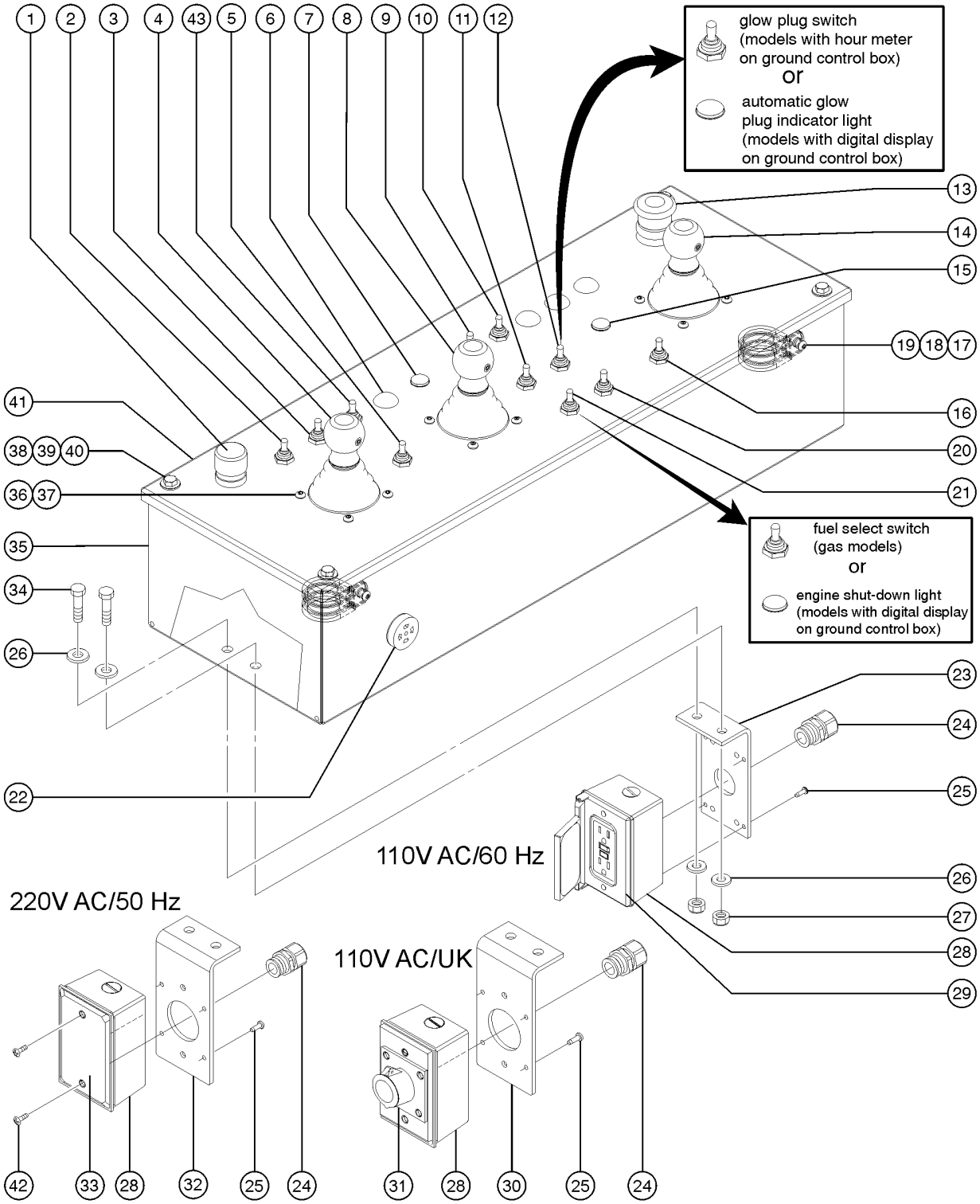
Item	Part No.	Description	Qty.
1	824029GT	NUT, TL FLG, 3/8-16, G, ZAG	
2	824090GT	SCREW,HHF,3/8-16X1,8,ZAG	
3		Ref. Platform Control Box (refer to 603.1 and 604.1)	
4	824079GT	SCREW,HHF,1/4-20X1,8,ZAG	
5	824027GT	NUT, TL FLG, 1/4-20, G, ZAG	
6	227617GT	ASSEMBLY,FOOT SWITCH	1
-	119058GT	CONN, PLUG, 4 WAY, DEUTSCH, DT, ENDCAP	
-	1257248GT	SCREW, SHC, M4-0.7X8, DIN912,	
-	1257249GT	WASHER, LOCK, M4, SS	
-	227564GT	FOOT SWITCH,20A IP65	
-	43960-6950GT	WIRE CABLE,16GA/4 CON.TPE JKT*	
-	73739GT	BOOT,PLUG 4 WAY	
7	1256460GT	SCREW,PHPM,10-24X1,ZAG	2
8	73575GT	SPRING CLIP,10-24,.025-.125X.468,ZAG	2
9	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
10	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
11	147121GT	COVER, FOOT SWITCH, LARGE	1
12A	1267746GT	FLOORING, 72X30 PLATFORM	1
12B	73477PGT	FLOORING, 6'FT PLATFORM (for single entry)	1
12C	54247PGT	FLOORING,5 FT PLATFORM,PAINTED	1
12D	60160PGT	FLOORING,4 FT PLATFORM,PAINTED	1
13		Ref. Platform Weldment (refer to 601.1)	1
14	102992GT	SLIDING MIDRAIL KIT,PTD (includes fasteners)	1
15A	1275088GT	FORMING, ALUM. DECAL PLATE	1
15B	89337GT	PLATFORM ASSY 8FT W/DECALS ANS (Painted, Steel)	1
16	24514GT	BOX, INSTRUCTION STORAGE** (decals not included, refer to section 100)	1
17	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	2
18	1289552GT	KIT, PLATFORM WORK TRAY	1

602.1 Platform Components



Item	Part No.	Description	Qty.
19	73610PGT	STEP PLATFORM ENTRY PAINTED***	1
20	94745GT	TOEBOARD,ENTRY EUROPEAN PNTD**	1
21	1256855GT	SCREW,HHF,1/4-20X.625,8,ZAG	
22A		Ref. Platform Support, non-jib (refer to 506.1)	1
22B		Ref. Platform Support, jib (refer to 508.1)	1
23	43392GT	BUMPER,BATTERY BOX & RAILS	2
24	1267747GT	LATCH, SWING GATE	1
25	1272307GT	ASSY,SIDE SWING GATE	1
26	104804GT	HINGE, SPRING, LONG LEG	2
27	1251600GT	U-BOLT, FLATTENED, 1.5DIA. X 3/8 UNC,ZAG	2

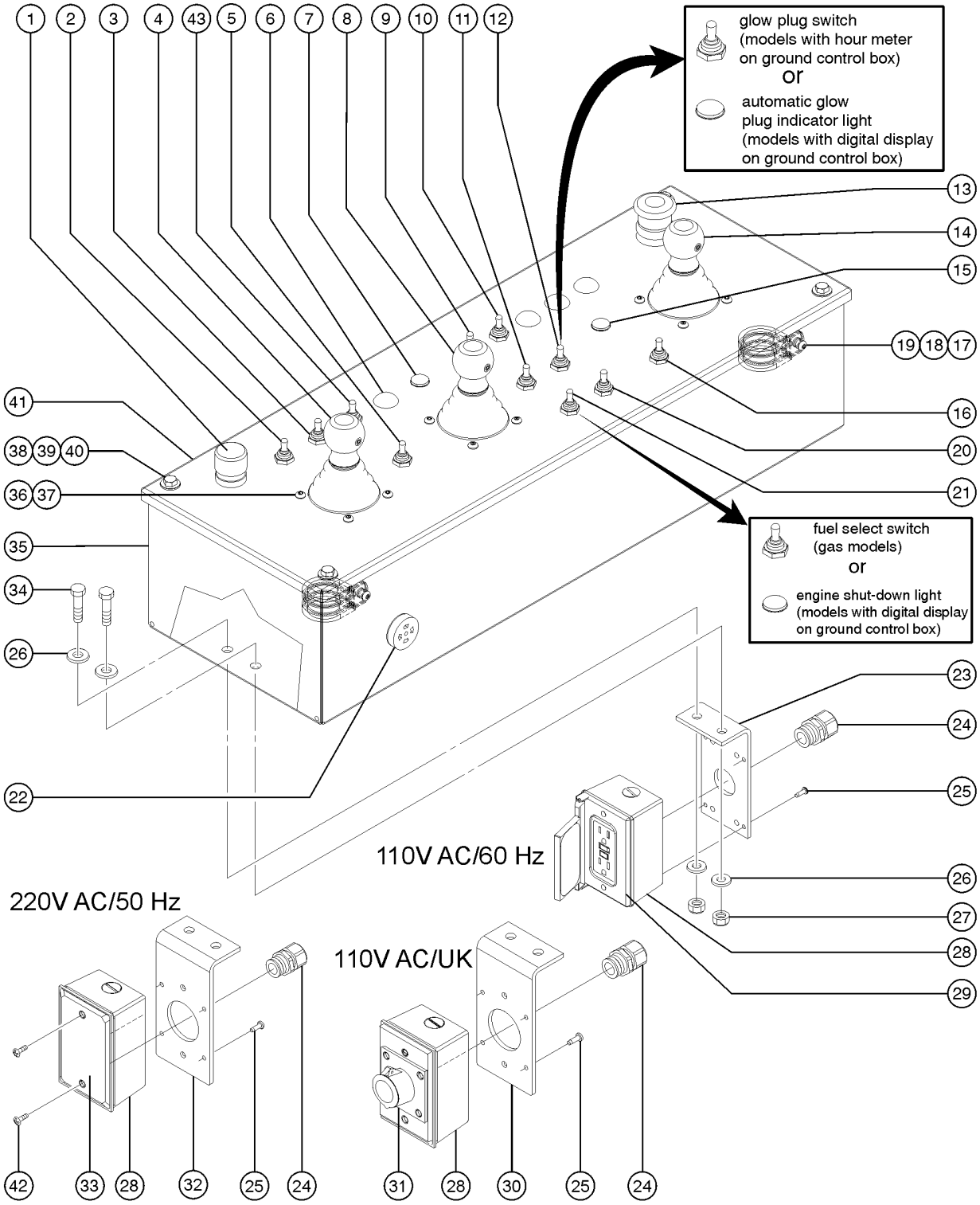
603.1 Platform Control Box, View 1



603.1 Platform Control Box, View 1

Item	Part No.	Description	Qty.
B-		ASSEMBLY,PBOX,Z45 GAS Contact customer support with machine serial number. (complete) (includes Assy 218445 and Gasket p/n 81488)(refer to section 1 for decal)	1
C-	218445GT	ASSEMBLY,PLATFORM CONTROL BOX for 218446 and 218447	1
D-	81488GT	GASKET,PLATFORM CONTROL BOX for 218446 and 218447	1
E-	824053GT	ASSY, PBOX, Z-45 DEUTZ, T4 (complete) (includes Assy 218445 and decal) (for Deutz D2.9L4)	
F-	824054GT	ASSY, PBOX, Z-45 PERKINS, T4 (complete) (includes Assy 218445 and decal) (for Perkins 404F-22)	
1	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
1-	66816GT	CONTACT,N.O.***	
1-	66815GT	BASE, W/1 N.O. CONTACTS*** includes 1 N.O. contact	
2	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Platform Level; includes boot and hardware	1
2-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
2-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
2-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
3	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Platform Rotate; includes boot and hardware (refer to item 2 for included components)	1
4		Ref. JOYSTICK CONTROLLER, MULTI-AXIS (refer to 604.1)	
5	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary Boom Ext/Ret; includes boot and hardware (refer to item 2 for included components0	1
6	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	5
7	824879GT	LIGHT,LED IND. RED 12V NH (tilt sensor)	1
8		Ref. JOYSTICK CONTROLLER, SINGLE-AXIS (refer to 604.1)	
9	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Emergency Lowering; includes boot and hardware (refer to item 2 for included components)	1
10	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Drive Speed; includes boot and hardware (refer to item 2 for included components)	1
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine Start; includes boot and hardware (refer to item 2 for included components)	1
12A	128203GT	SWITCH TOGGLE ASSY SPDT 2P MOM Glow Plug (Diesel models); includes boot and hardware (refer to item 2 for included components)	1
12B	1254804GT	LT.LAMP IND.AMBER 12V NH (models with digital display)	1
12C	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Gasoline/LPG models	1
13	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
13-	146478GT	BOOT(BELLOWS),E-STOP,BLACK	
13-	66818GT	CONTACT,NC	

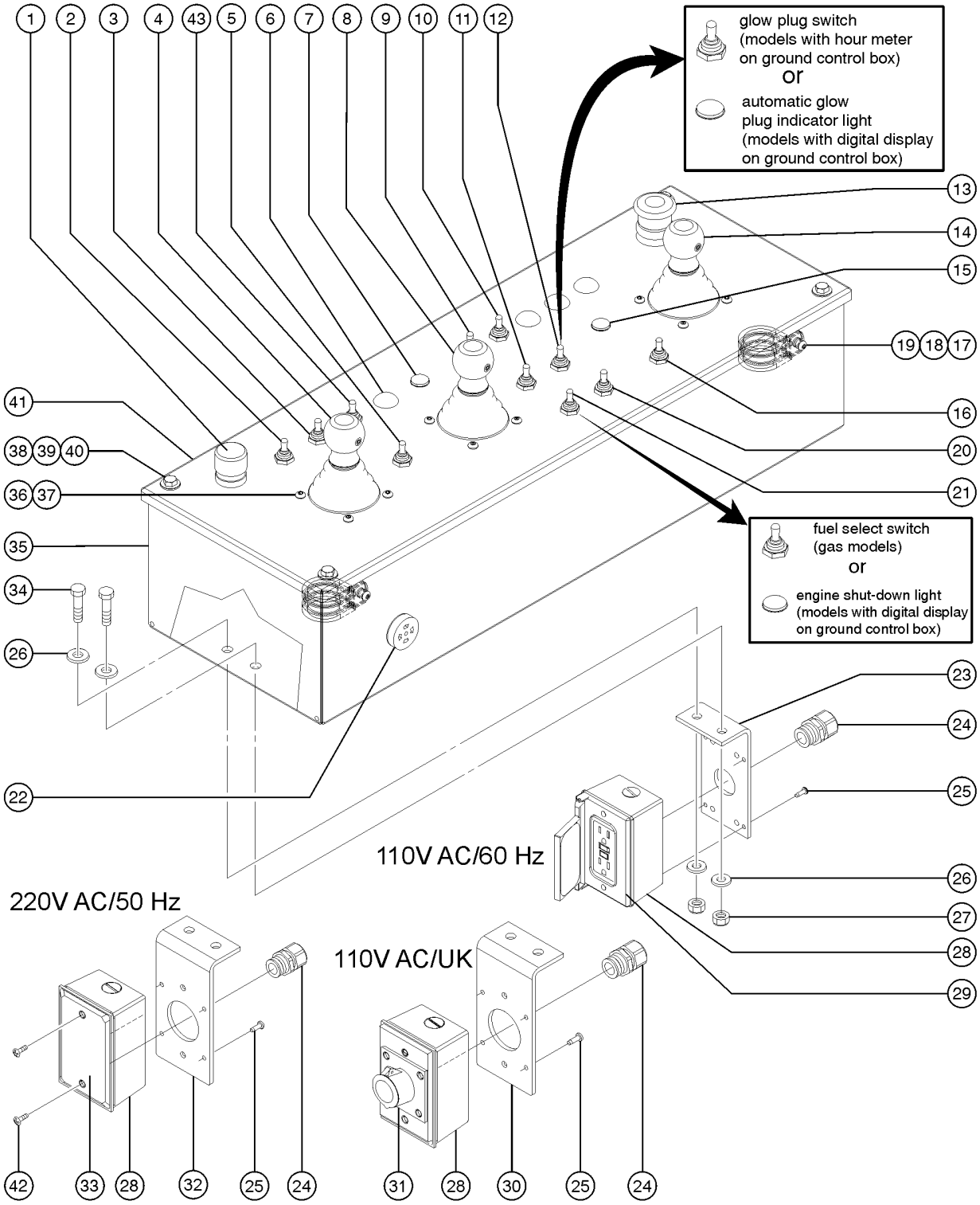
603.1 Platform Control Box, View 1



603.1 Platform Control Box, View 1

Item	Part No.	Description	Qty.
13-	94506GT	BASE,W/3 NC CONTACTS	
14		Ref. JOYSTICK CONTROLLER, MULTI-AXIS (standard) (refer to 604.1)	
15	824879GT	LIGHT,LED IND. RED 12V NH (drive enable)	1
16	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Drive Enable; includes boot and hardware (refer to item 2 for included components)	1
17	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
18	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	3
19	6178GT	NUT, NYLOCK, 10-32	
20	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine idle (rpm) select switch; includes boot and hardware (refer to item 2 for included components)	1
21A	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Fuel Select (Gasoline/LPG models); includes boot and hardware (refer to item 2 for included components)	1
21B	824879GT	LIGHT,LED IND. RED 12V NH (models with digital display)	
21C	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel models	
22	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
22-	72326GT	NUT - PLASTIC, RING FOR ALARMS	
23	81096GT	BRACKET,POWER TO PLAT, DOM	1
24	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	2
24-	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	
25	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	
25-	35461GT	WASHER,FLAT,MS,#8,Y	
26	5397GT	WASHER, FLAT, USS, 5/16-18	
27	4828GT	NUT, NYLOCK, 3/8-16	
28	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
29	74006GT	COVER,GFCI,HORIZONTAL,WEATHER	
29-	13585GT	OUTLET, 110V USA/Canada	
29-	80543GT	RECEPTACLE, 120VAC, 20A, GFCI USA/Canada	
30	81570GT	BRACKET,POWER TO PLAT, UK	1
31	T112563GT	SVC KIT,UK RECEPT.REPLACEMENT Europe	1
31-	33629GT	PLATE,UK POWER TO PLATFORM	

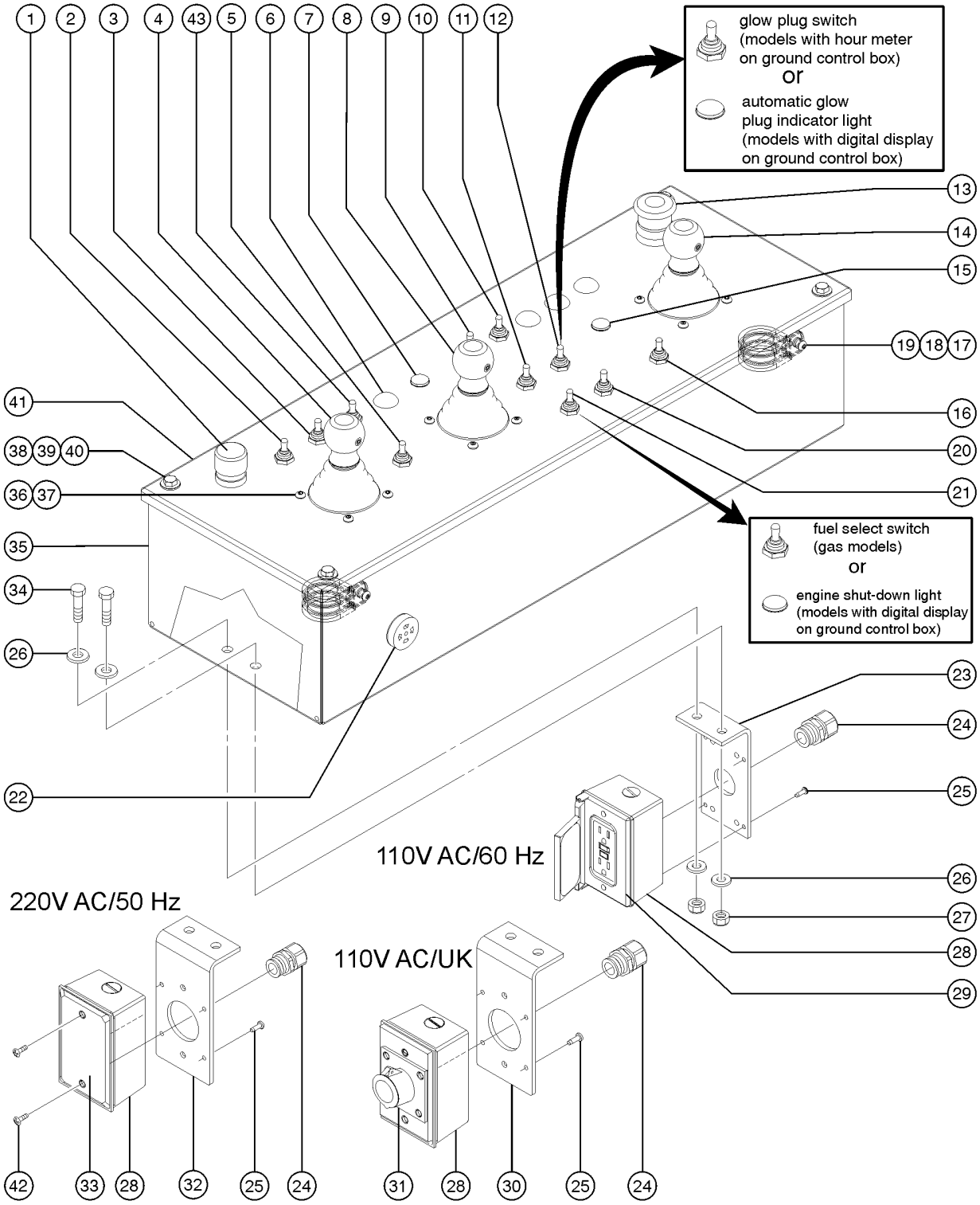
603.1 Platform Control Box, View 1



603.1 Platform Control Box, View 1

Item	Part No.	Description	Qty.
31-	33724GT	KIT,GASKET,UK POWER TO PLAT	
31-	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	4
31-	63375GT	SCREW, FHM, 6-32 X .75	2
31-	74052GT	GASKET,COVER,GFCI,WEATHERPROOF	
32	81096GT	BRACKET,POWER TO PLAT, DOM	
33	10777GT	COVER,BLANK	1
33-	81458GT	GASKET, UK POWER TO PLAT	
34	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
35	216786GT	WELDMENT, PLATFORM CONTROL BOX	1
36	139338GT	SCREW PH M5-0.8X20 DIN 7500CE	
37	104030GT	NUT HEX M5-0.8 CLASS 8 ZINC	
38	6090GT	SCREW, HHC, 1/4-20 X .75	
39	6638GT	WASHER, FLAT, USS, 1/4"Y	
40	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	4
41	139974GT	LID,PLATFORM CONTROL BOX	1
42	49820GT	SCREW,PHILLIPS,PHM,6-32 X .5	2
43A	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Jib boom up/down switch (if equipped)	
43A-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
43A-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
43A-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
43B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME non-jib	

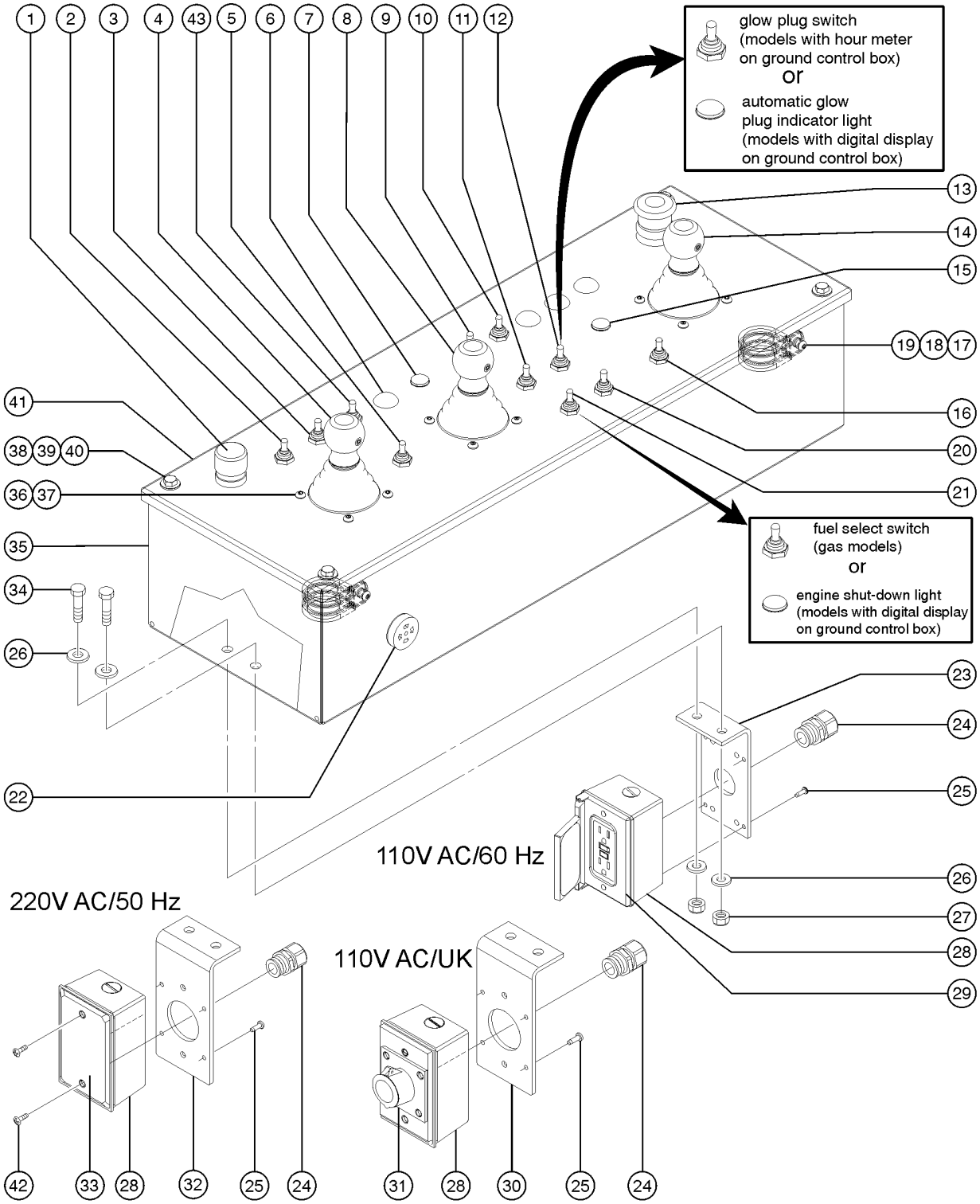
603.2 Platform Control Box, View 1



603.2 Platform Control Box, View 1

Item	Part No.	Description	Qty.
B-		ASSEMBLY,PBOX,Z45 GAS Contact customer support with machine serial number. (complete) (includes Assy 218445 and Gasket p/n 81488)(refer to section 1 for decal)	1
C-	218445GT	ASSEMBLY,PLATFORM CONTROL BOX for 218446 and 218447	1
D-	81488GT	GASKET,PLATFORM CONTROL BOX for 218446 and 218447	1
E-	824053GT	ASSY, PBOX, Z-45 DEUTZ, T4 (complete) (includes Assy 218445 and decal) (for Deutz D2.9L4)	
F-	824054GT	ASSY, PBOX, Z-45 PERKINS, T4 (complete) (includes Assy 218445 and decal) (for Perkins 404F-22)	
1	66813GT	BUTTON,PUSH,BLACK W/SEAL***	1
1-	66816GT	CONTACT,N.O.***	
1-	66815GT	BASE, W/1 N.O. CONTACTS*** includes 1 N.O. contact	
2	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Platform Level; includes boot and hardware	1
2-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
2-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
2-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
3	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Platform Level; includes boot and hardware (refer to item 2 for included components)	1
4		Ref. JOYSTICK CONTROLLER, MULTI-AXIS (refer to 604.1)	
5	128200GT	SWITCH TOGGLE ASSY SPDT 3P MOM Primary Boom Ext/Ret; includes boot and hardware (refer to item 2 for included components0	1
6	229567GT	PLUG,SANTOPRENE .5 BLACK DOME	5
7	824879GT	LIGHT,LED IND. RED 12V NH (tilt sensor)	1
8		Ref. JOYSTICK CONTROLLER, SINGLE-AXIS (refer to 604.1)	
9	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Emergency Lowering; includes boot and hardware (refer to item 2 for included components)	1
10	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Drive Speed; includes boot and hardware (refer to item 2 for included components)	1
11	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine Start; includes boot and hardware (refer to item 2 for included components)	1
12A	128203GT	SWITCH TOGGLE ASSY SPDT 2P MOM Glow Plug (Diesel models); includes boot and hardware (refer to item 2 for included components)	1
13	66812GT	BUTTON,PUSH,RED MUSHROOM HEAD	1
13-	146478GT	BOOT(BELLOWS),E-STOP,BLACK	
13-	66818GT	CONTACT,NC	
13-	94506GT	BASE,W/3 NC CONTACTS	
14		Ref. JOYSTICK CONTROLLER, MULTI-AXIS (standard) (refer to 604.1)	

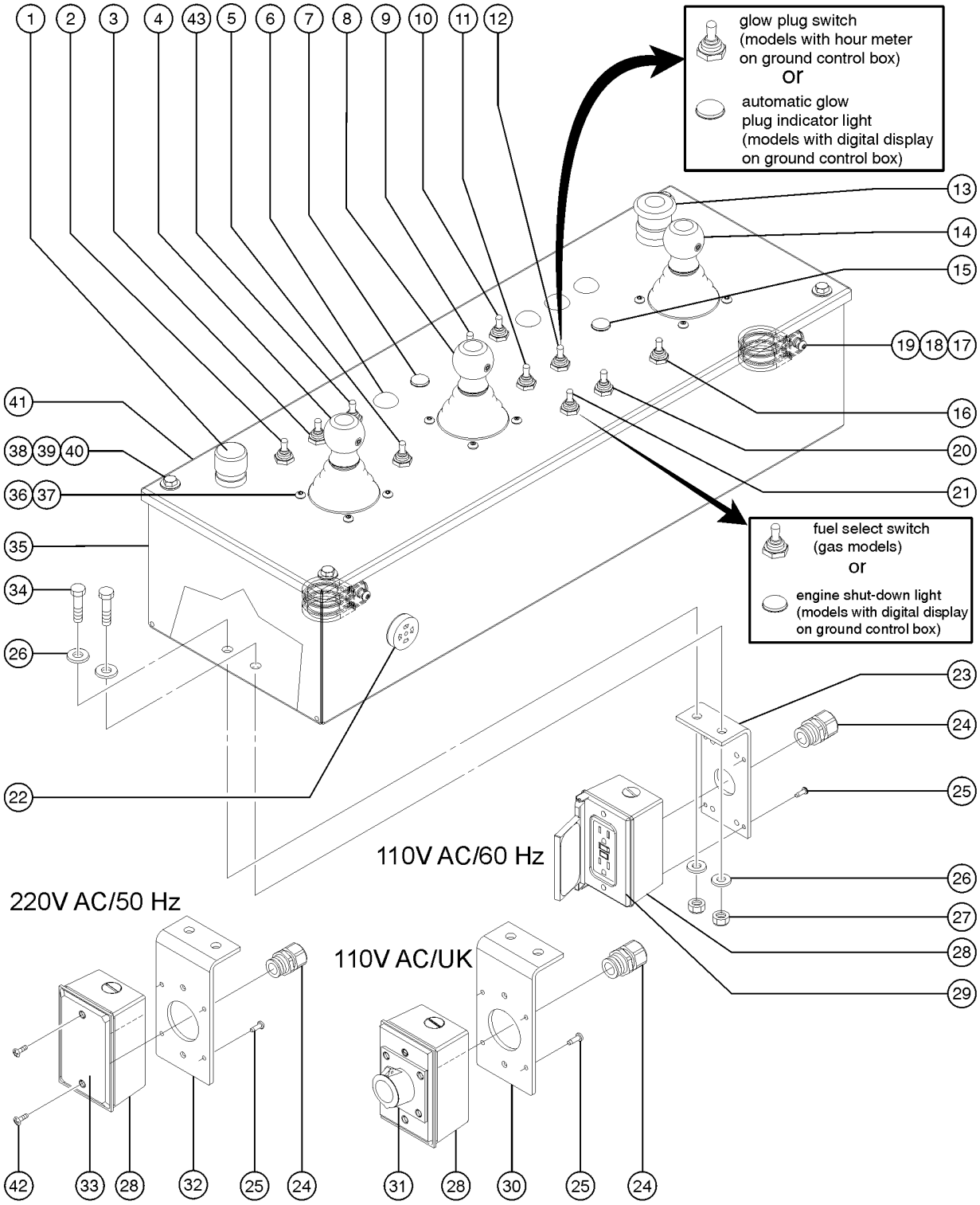
603.2 Platform Control Box, View 1



603.2 Platform Control Box, View 1

Item	Part No.	Description	Qty.
15	824879GT	LIGHT,LED IND. RED 12V NH (drive enable)	1
16	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Drive Enable; includes boot and hardware (refer to item 2 for included components)	1
17	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
18	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	3
19	6178GT	NUT, NYLOCK, 10-32	
20	128204GT	SWITCH TOGGLE ASSY SPDT 2P MNT Engine idle (rpm) select switch; includes boot and hardware (refer to item 2 for included components)	1
21C	229567GT	PLUG,SANTOPRENE .5 BLACK DOME Diesel models	
22	45383GT	ALARM,WARBLE TONE 5-30 VDC*** Does not include 72326 nut	1
22-	72326GT	NUT - PLASTIC, RING FOR ALARMS	
23	81096GT	BRACKET,POWER TO PLAT, DOM	1
24	7056GT	CONN,SQUEEZE,1/2NPT .38-.50,SM	2
24-	6935GT	CONN, SQZ, 1/2NPT, LOCKNUT	
25	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	
25-	35461GT	WASHER,FLAT,MS,#8,Y	
26	5397GT	WASHER, FLAT, USS, 5/16-18	
27	4828GT	NUT, NYLOCK, 3/8-16	
28	10775GT	T-BOX, 2.75 X 4.5 X 2.0**	1
29	74006GT	COVER,GFCI,HORIZONTAL,WEATHER	
29-	13585GT	OUTLET, 110V USA/Canada	
29-	80543GT	RECEPTACLE, 120VAC, 20A, GFCI USA/Canada	
30	81570GT	BRACKET,POWER TO PLAT, UK	1
31	T112563GT	SVC KIT,UK RECEPT.REPLACEMENT Europe	1
31-	33629GT	PLATE,UK POWER TO PLATFORM	
31-	33724GT	KIT,GASKET,UK POWER TO PLAT	
31-	57075GT	SCREW, PHIL, 8-32 X .50, SELF TAP	4
31-	63375GT	SCREW, FHM, 6-32 X .75	2
31-	74052GT	GASKET,COVER,GFCI,WEATHERPROOF	
32	81096GT	BRACKET,POWER TO PLAT, DOM	

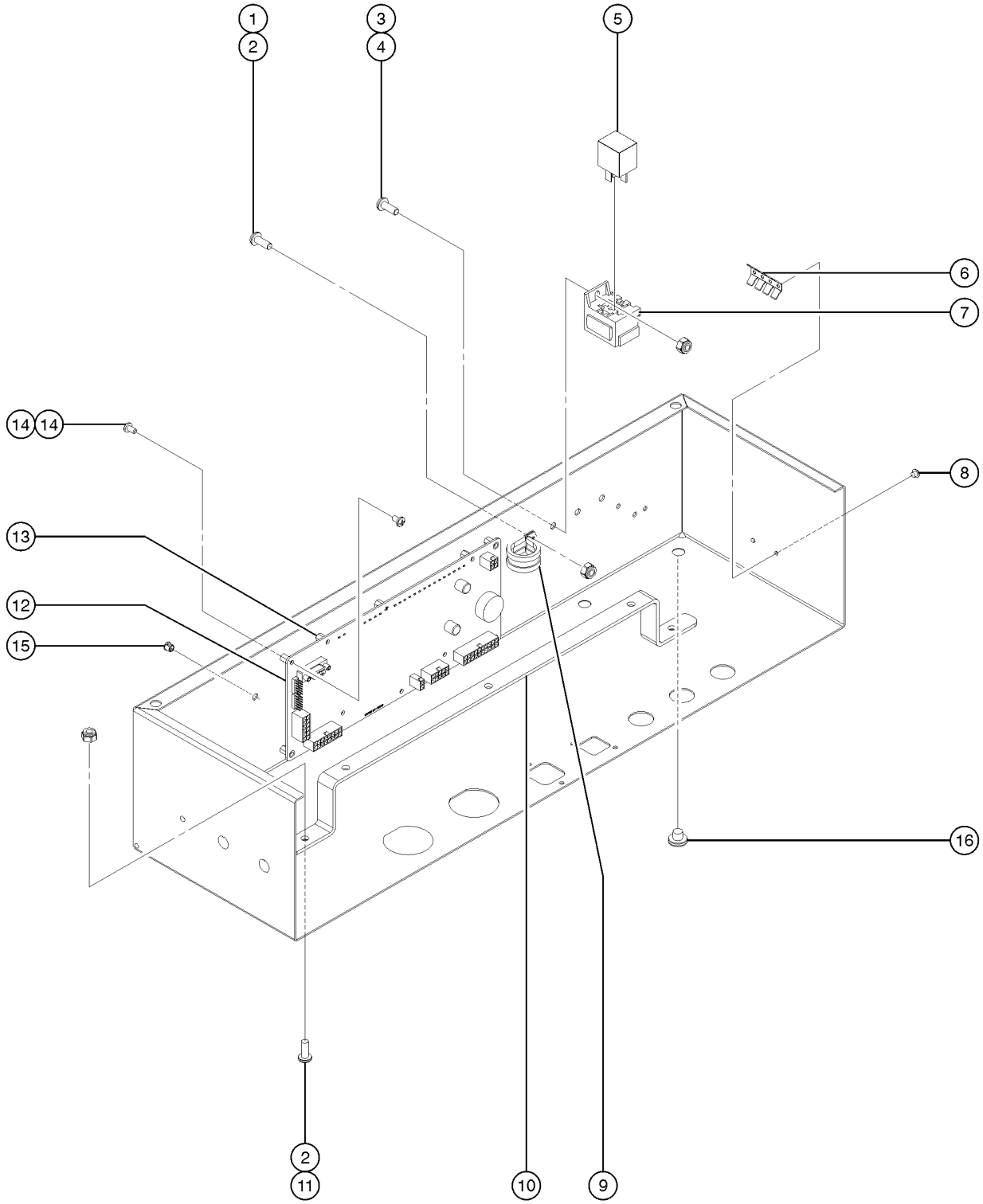
603.2 Platform Control Box, View 1



603.2 Platform Control Box, View 1

Item	Part No.	Description	Qty.
33	10777GT	COVER,BLANK	1
33-	81458GT	GASKET, UK POWER TO PLAT	
34	6019GT	SCREW,HHC,3/8-16 X 1.25 GRD 5	
35	216786GT	WELDMENT, PLATFORM CONTROL BOX	1
36	139338GT	SCREW PH M5-0.8X20 DIN 7500CE	
37	104030GT	NUT HEX M5-0.8 CLASS 8 ZINC	
38	6090GT	SCREW, HHC, 1/4-20 X .75	
39	6638GT	WASHER, FLAT, USS, 1/4"Y	
40	23404GT	NUTSERT,1/4-20,STEEL CAD PLTD	4
41	139974GT	LID,PLATFORM CONTROL BOX	1
42	49820GT	SCREW,PHILLIPS,PHM,6-32 X .5	2
43A	128202GT	SWITCH TOGGLE ASSY DPDT 3P MOM Jib boom up/down switch (if equipped)	
43A-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
43A-	128584-SGT	SWITCH TOGGLE SPDT 2P MNT SHDR	
43A-	27246GT	BOOT,TOGGLE SWITCH,SHORT*	
43B	229567GT	PLUG,SANTOPRENE .5 BLACK DOME non-jib	

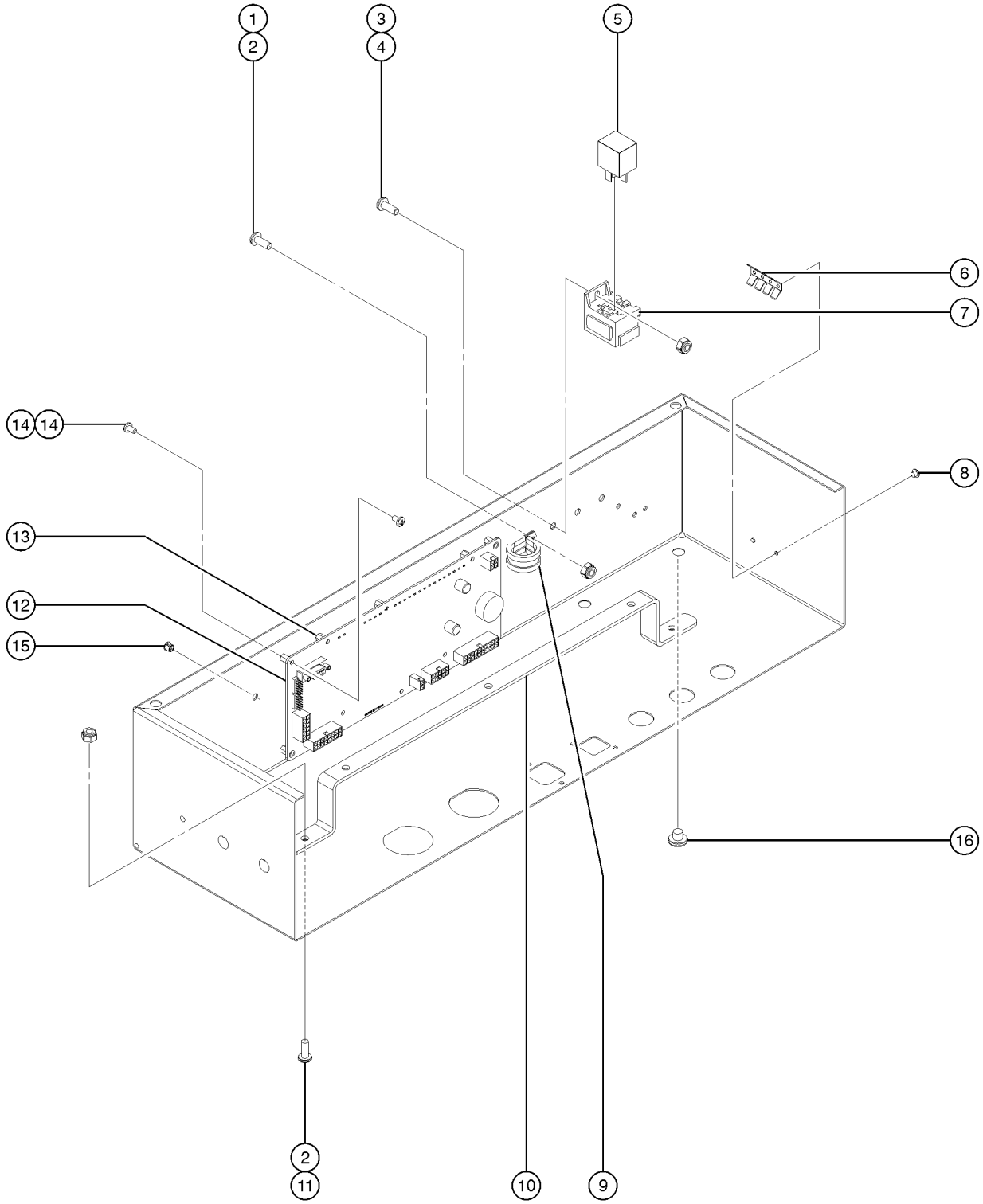
604.1 Platform Control Box, View 2



604.1 Platform Control Box, View 2

Item	Part No.	Description	Qty.
1	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
2	6178GT	NUT, NYLOCK, 10-32	
3	49818GT	SCREW,PHILLIPS,PHM,10-32 X .38	
4	14392GT	NUT,LP NYLOCK,10-32	
5	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN**	2
6	56663GT	TERMINAL STRIP	1
7	34053GT	ASSY,RELAY SOCKET, AUTO	2
8	6272GT	RIVET,STL,STL,P,.125 X .25	2
9	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	3
10	119644GT	BRACKET,PBOX WIRE SUPPORT	1
11	49819GT	SCREW,PHILLIPS,PHM,10-32 X .5	
12	218530GT	ASSY PCB ALC500 Z45/51-2012	1
13	81550GT	STANDOFF,6-32 X 3/8L X 1/4 HEX	10
14	81551GT	SCREW,PHIL,PHM,6-32 X 1/4 SS	
15	30996GT	PLUG,NYLON .313 BLACK DOMED	2
16	42781GT	PLUG, NYLON .250 BLACK DOMED	2

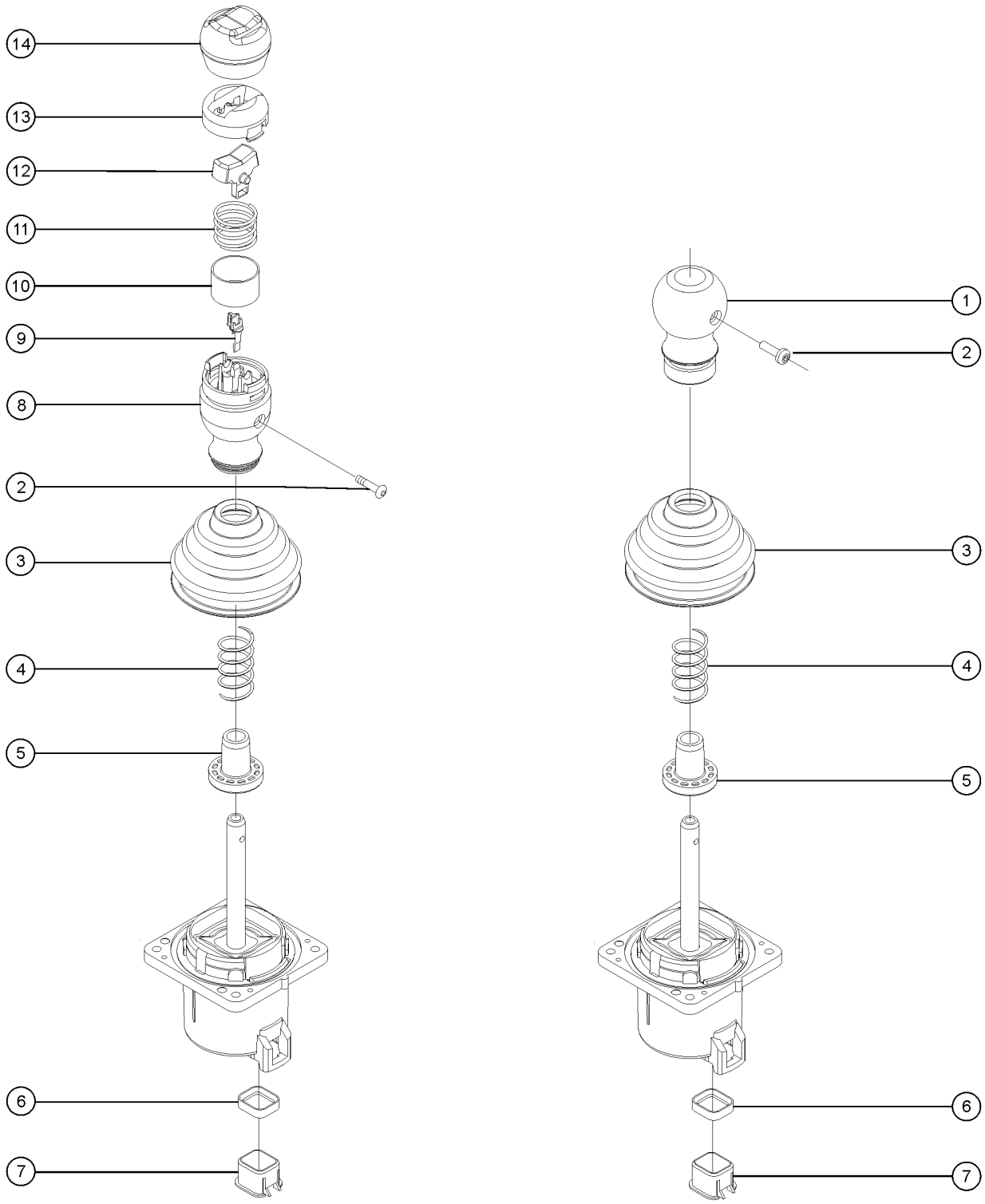
604.2 Platform Control Box, View 2



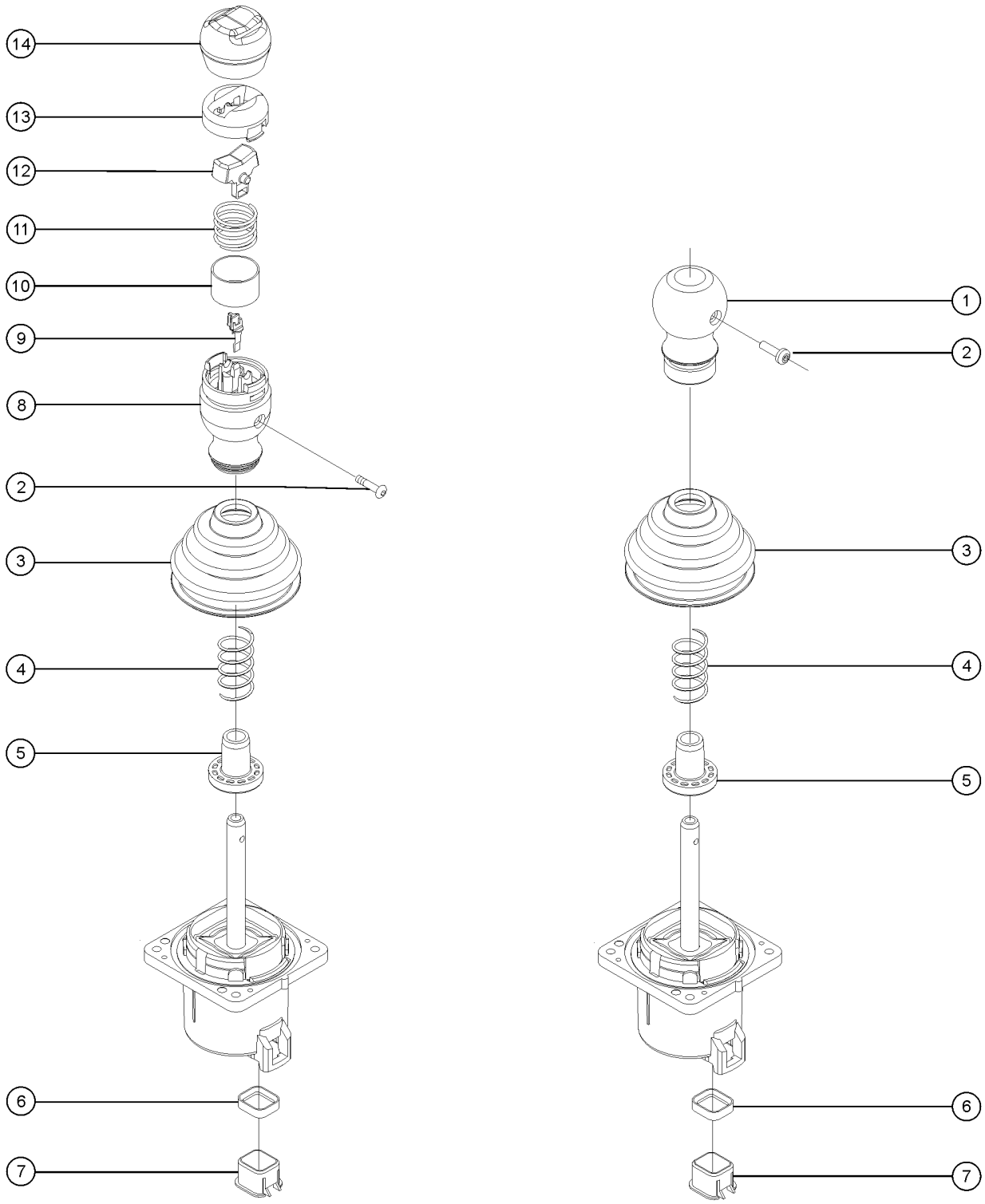
604.2 Platform Control Box, View 2

Item	Part No.	Description	Qty.
1	54365GT	SCREW,PHIL,PHM,10-32 X .5,SSTL	
2	6178GT	NUT, NYLOCK, 10-32	
3	49818GT	SCREW,PHILLIPS,PHM,10-32 X .38	
4	14392GT	NUT,LP NYLOCK,10-32	
5	34052GT	RELAY,SPDT,12V(AUTO) PLUG IN**	2
6	56663GT	TERMINAL STRIP	1
7	34053GT	ASSY,RELAY SOCKET, AUTO	2
8	6272GT	RIVET,STL,STL,P,.125 X .25	2
9	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	3
10	119644GT	BRACKET,PBOX WIRE SUPPORT	1
11	49819GT	SCREW,PHILLIPS,PHM,10-32 X .5	
12	218530GT	ASSY PCB ALC500 Z45/51-2012	1
13	81550GT	STANDOFF,6-32 X 3/8L X 1/4 HEX	10
14	81551GT	SCREW,PHIL,PHM,6-32 X 1/4 SS	
15	30996GT	PLUG,NYLON .313 BLACK DOMED	2
16	42781GT	PLUG, NYLON .250 BLACK DOMED	2

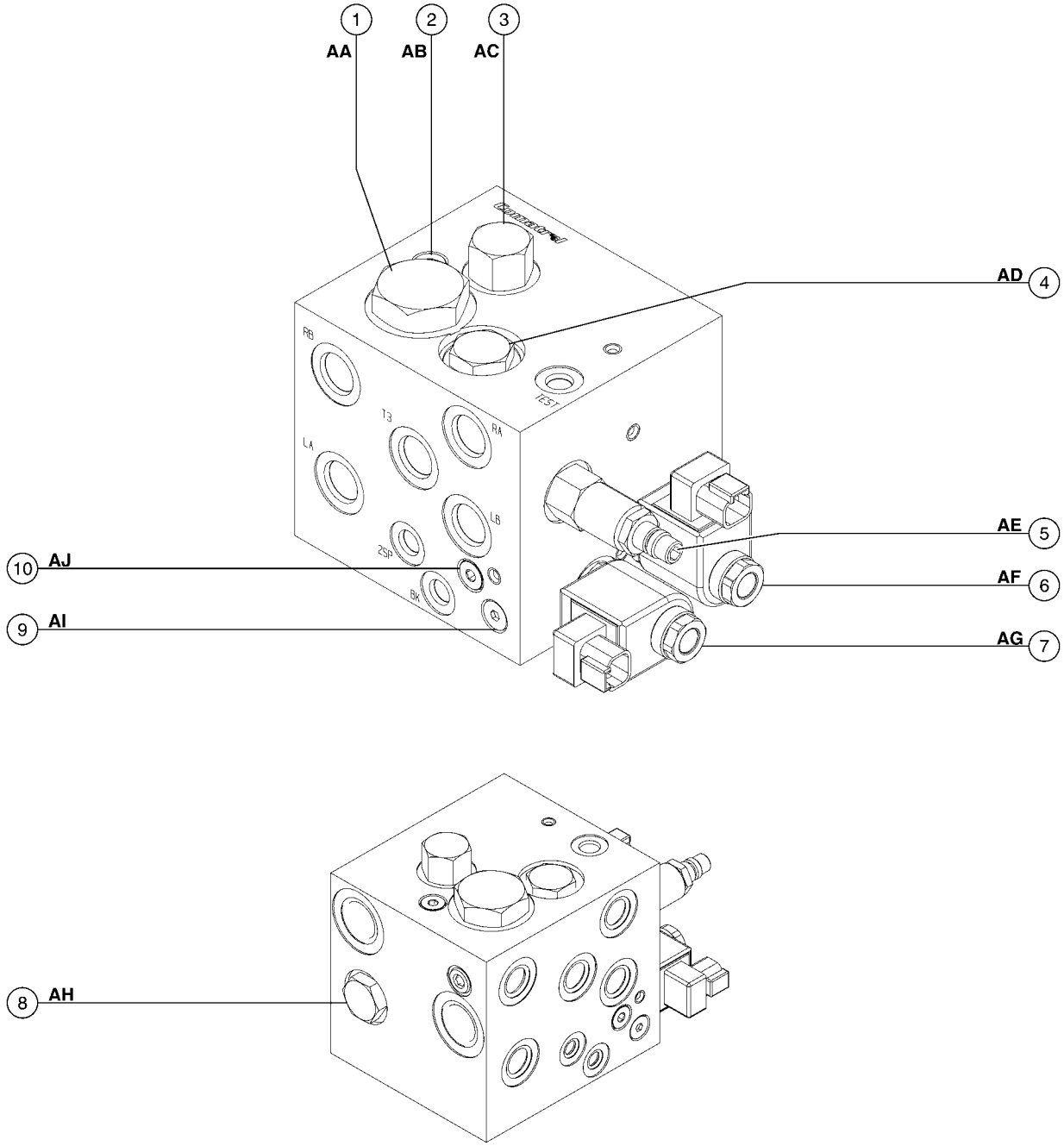
605.1 Joysticks



Item	Part No.	Description	Qty.
A-	101174GT	JOYSTICK,2 AXIS,DEUTSCH OEM joystick (calibration required after replacement)	
B-	101174HGT	JOYSTICK,DUAL AXIS W/KNOB aftermarket joystick (calibration required after replacement)	
C-	101175GT	JOYSTICK,1 AXIS,DEUTSCH OEM joystick (calibration required after replacement)	
D-	101175HGT	JOYSTICK,SINGLE AXIS W/KNOB aftermarket joystick (calibration required after replacement)	
E-	101005GT	JOYSTICK,1 AXIS ROCKER,DEUTSCH OEM joystick (calibration required after replacement)	
F-	101005HGT	JOYSTICK, SINGLE AXIS W/STEER aftermarket joystick (calibration required after replacement)	
G-	83098GT	TERM,AMP MTE,SOC,22-26 GA BULK	
H-	119613GT	HARN JOYSTICK ADAPTOR JS100 6-pin to 7-pin adapter (for 101174, 101175, 101005)	
Z	1269501GT	KIT, ISOLATION, 3 JOYSTICK	
1	62392GT	KNOB,JOYSTICK, 62390/62391	1
2	T112626GT	SCREW, PHM, #6-32 X .625 ZINC	1
3	139598GT	BOOT,JOYSTICK	1
4		SPRING,JOYSTK CENTR,62390/91 no longer available from supplier	1
5	119915GT	COLLAR,JOYSTICK,CENTER	1
6	128000GT	SEAL, CONNECTOR (DT JOYSTICKS)	1
7	128001GT	SLEEVE,CONNECTOR,DT JOYSTICKS	1
8	75449GT	KNOB,ROCKER JOYSTICK 75565	1
9	75448GT	SUPPORT,SENSOR,JOYSTICK	1
10	75447GT	SWITCH SHIELD,ROCK JOYSTK75565	1
11	75446GT	SPRING,SWITCH CENTERING,75565	1
12	75445GT	ROCKER ASSY.,MAGNETIC 75565	1
13	75444GT	ROCKER,RETAINER, 75565	1
14	75443GT	BOOT, ROCKER JOYSTICK 75565	1

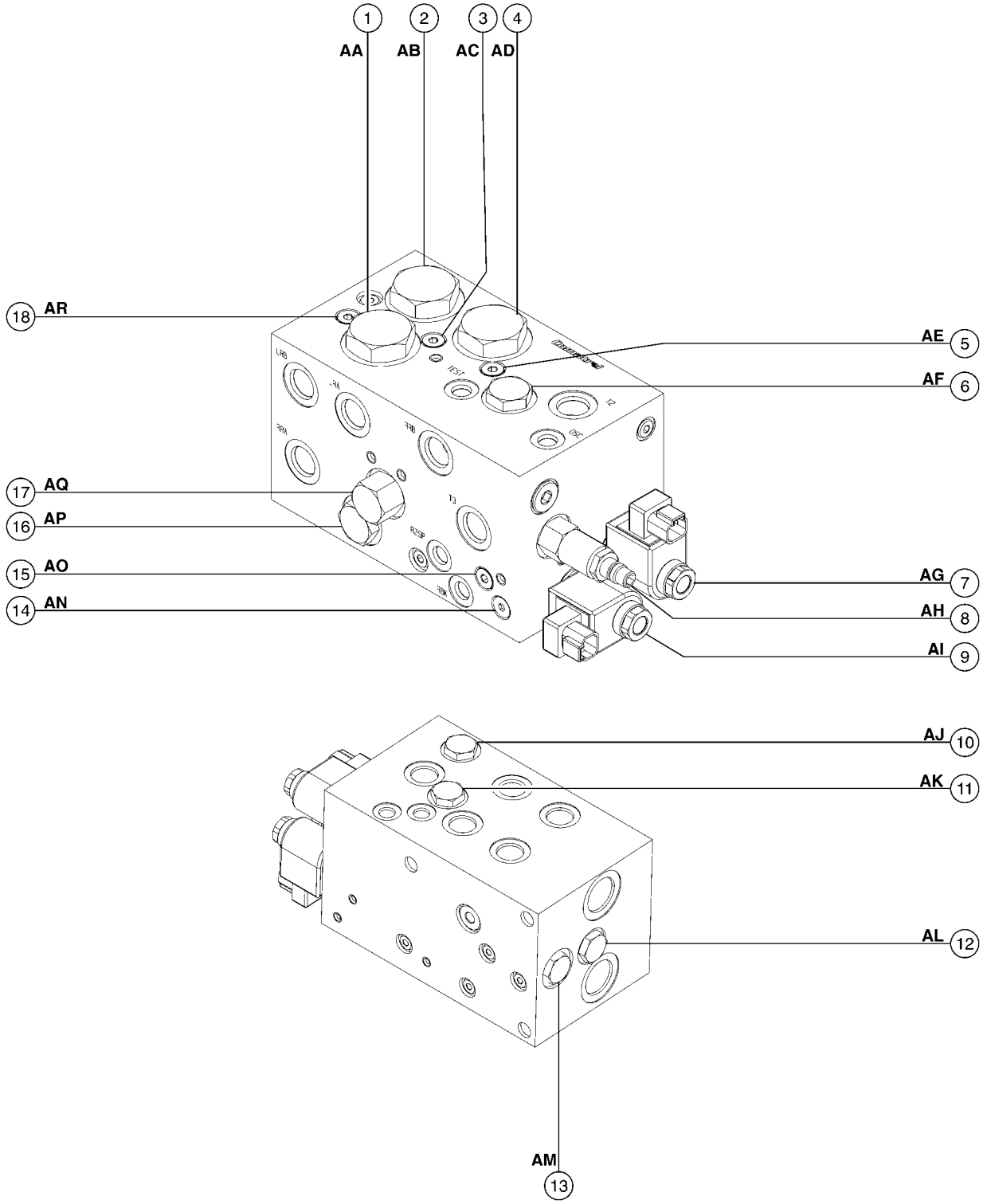

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Item	Part No.	Description	Qty.
A-	101174GT	JOYSTICK,2 AXIS,DEUTSCH OEM joystick (calibration required after replacement)	
B-	101174HGT	JOYSTICK,DUAL AXIS W/KNOB aftermarket joystick (calibration required after replacement)	
C-	101175GT	JOYSTICK,1 AXIS,DEUTSCH OEM joystick (calibration required after replacement)	
D-	101175HGT	JOYSTICK,SINGLE AXIS W/KNOB aftermarket joystick (calibration required after replacement)	
E-	101005GT	JOYSTICK,1 AXIS ROCKER,DEUTSCH OEM joystick (calibration required after replacement)	
F-	101005HGT	JOYSTICK, SINGLE AXIS W/STEER aftermarket joystick (calibration required after replacement)	
G-	83098GT	TERM,AMP MTE,SOC,22-26 GA BULK	
H-	119613GT	HARN JOYSTICK ADAPTOR JS100 6-pin to 7-pin adapter (for 101174, 101175, 101005)	
Z	1269501GT	KIT, ISOLATION, 3 JOYSTICK	
1	62392GT	KNOB,JOYSTICK, 62390/62391	1
2	T112626GT	SCREW, PHM, #6-32 X .625 ZINC	1
3	139598GT	BOOT,JOYSTICK	1
4		SPRING,JOYSTK CENTR,62390/91 no longer available from supplier	1
5	119915GT	COLLAR,JOYSTICK,CENTER	1
6	128000GT	SEAL, CONNECTOR (DT JOYSTICKS)	1
7	128001GT	SLEEVE,CONNECTOR,DT JOYSTICKS	1
8	75449GT	KNOB,ROCKER JOYSTICK 75565	1
9	75448GT	SUPPORT,SENSOR,JOYSTICK	1
10	75447GT	SWITCH SHIELD,ROCK JOYSTK75565	1
11	75446GT	SPRING,SWITCH CENTERING,75565	1
12	75445GT	ROCKER ASSY.,MAGNETIC 75565	1
13	75444GT	ROCKER,RETAINER, 75565	1
14	75443GT	BOOT, ROCKER JOYSTICK 75565	1


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Item	Part No.	Description	Qty.
A-	216168GT	MANIFOLD,TRACTION,2WD Complete	
1	52726GT	VALVE,FLOW DIVIDER/COMBINER AA, Controls flow to drive motors in forward and reverse	1
1-	84135GT	SEAL KIT, VALVE for 52726	1
2	77163GT	PLUG-ORIFICE,0.067 INCH AB, Drive circuit	1
3	218127GT	SHUTTLE VALVE, HOT OIL AC, Charge pressure circuit that directs hot oil out of low pressure side of drive pump and allows low pressure flow path for brake release and 2-speed motor shift	1
3-	84137GT	SEAL KIT, VALVE 84129 for 218127	
4	27836GT	VALVE,CHECK,5 PSI AD, Drive circuit	1
4-	110194GT	SEAL KIT, VALVE, #10 for 27836	
5	218121GT	RELIEF VALVE, 250 PSI AE, Charge pressure circuit	1
5-	110194GT	SEAL KIT, VALVE, #10 for 218121	
6	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AF, 2-speed motor shift	1
6-	237236GT	SEAL KIT,VALVE for 218125	
6-	237235GT	NUT KIT W/COIL ORINGS for 218125	
6-	122148GT	COIL, SOLENOID VALVE,20W for 218125	
7	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AG, Braking	1
7-	237236GT	SEAL KIT,VALVE for 218125	
7-	237235GT	NUT KIT W/COIL ORINGS for 218125	
7-	122148GT	COIL, SOLENOID VALVE,20W for 218125	
8	27836GT	VALVE,CHECK,5 PSI AH, Drive circuit	1
8-	110194GT	SEAL KIT, VALVE, #10 for 27836	
9	27807GT	VALVE,CHECK*** AI, 2 speed motor shift circuit	1
9-	110200GT	SEAL KIT, VALVE, #4 for 27807	
10	77162GT	PLUG-ORIFICE 0.031 INCH AJ, Brake circuit	1

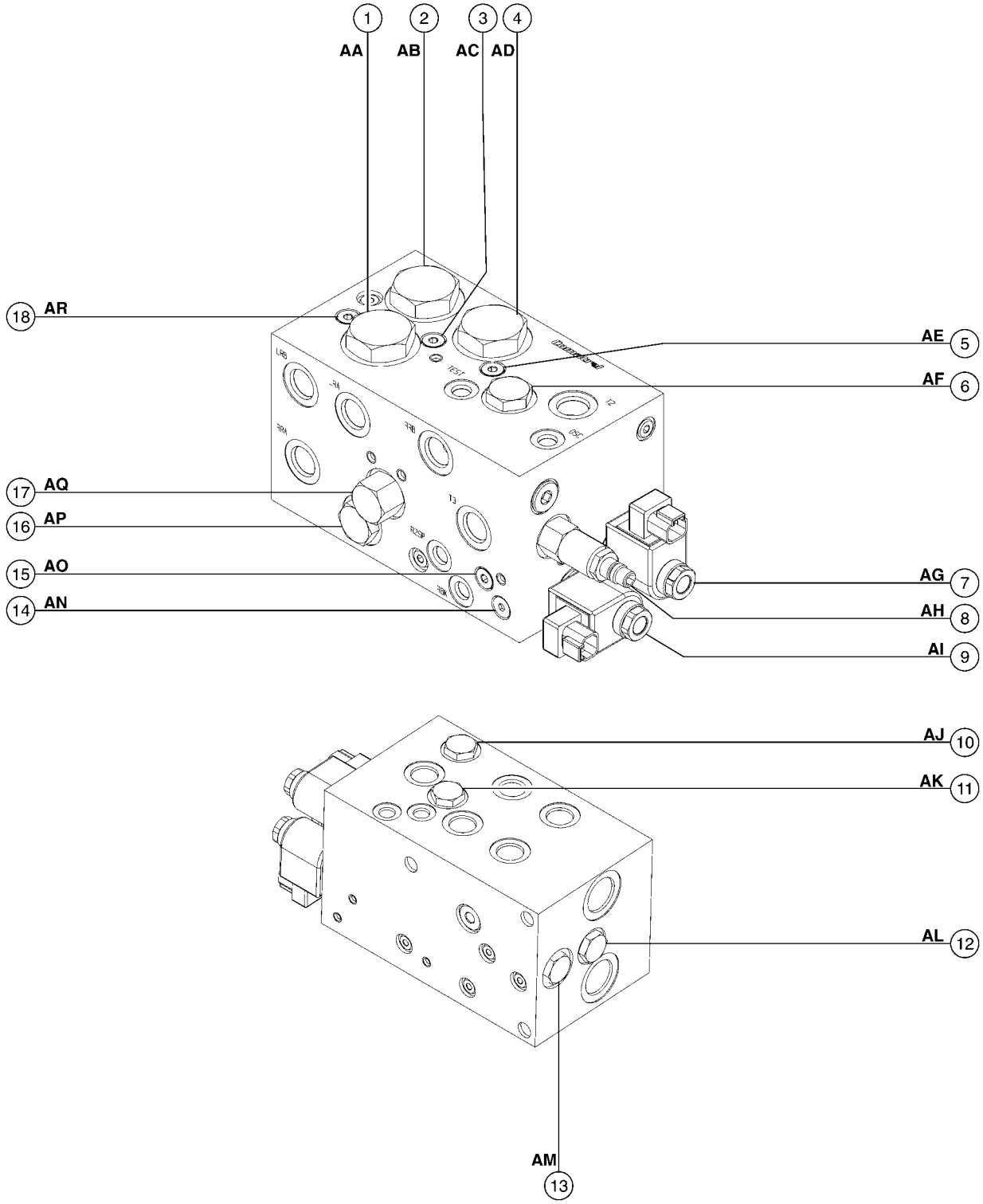
702.1 4WD Traction Manifold



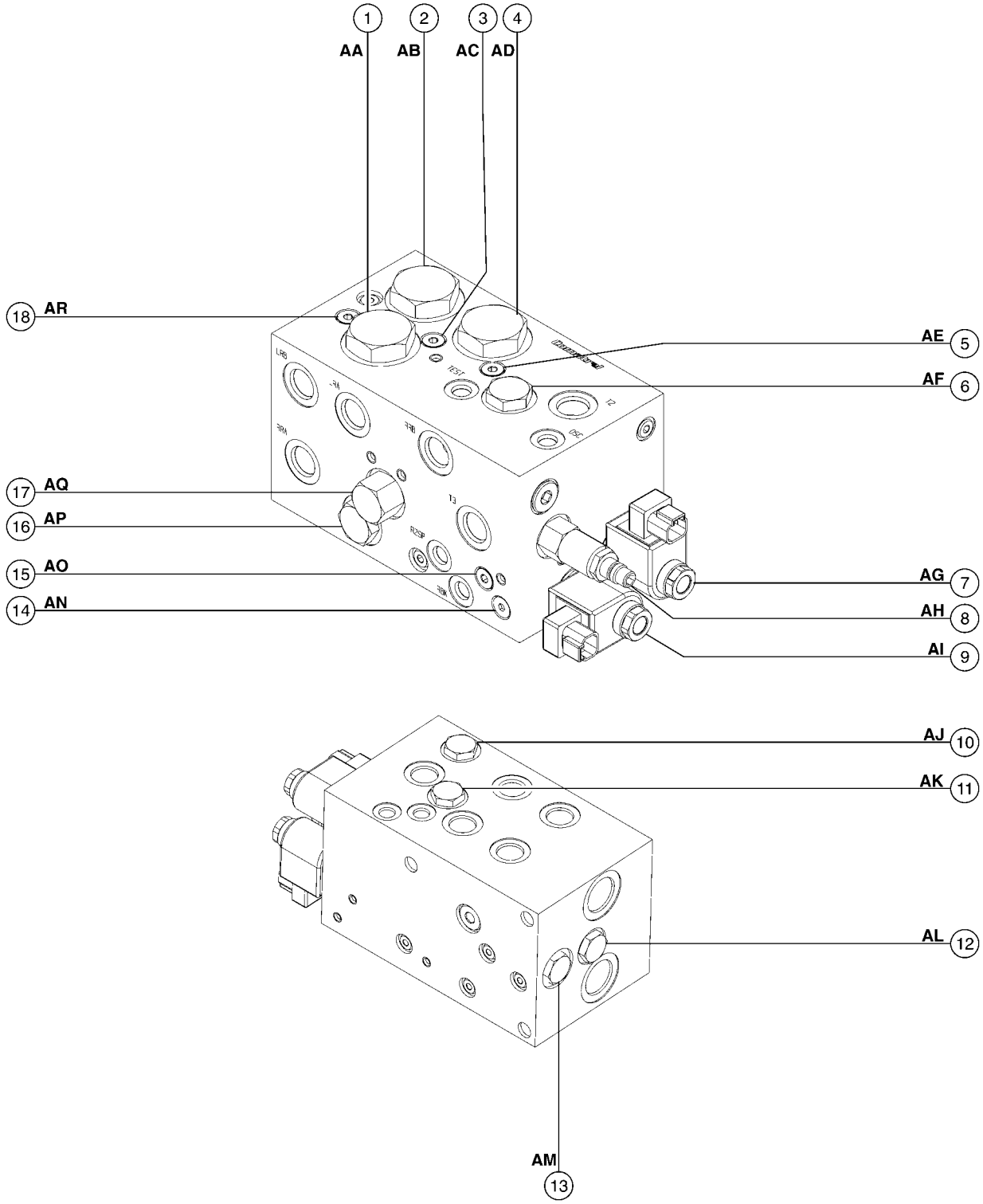
702.1 4WD Traction Manifold

Item	Part No.	Description	Qty.
A-	236278GT	MANIFOLD, TRACTION, 4WD Complete	
1	52726GT	VALVE,FLOW DIVIDER/COMBINER AA, Controls flow to flow divider/combiner valves 2 and 4	1
1-	84135GT	SEAL KIT, VALVE for 52726	
2	62252GT	VALVE, FLOW DIVIDER COMBINER AB, Controls flow to non-steer end drive motors in forward	1
2-	84135GT	SEAL KIT, VALVE for 62252	
3	219425GT	ORIFICE, PLUG, 1.2MM (.047IN) AC, Drive circuit	1
4	62252GT	VALVE, FLOW DIVIDER COMBINER AD, Controls flow to steer end drive motors in forward and reverse	1
4-	84135GT	SEAL KIT, VALVE for 62252	
5	77186GT	PLUG,ORIFICE,1.00MM(.039IN) AE, Drive circuit	1
6	27836GT	VALVE,CHECK,5 PSI AF, Non-steer end drive motor circuit	1
6-	110194GT	SEAL KIT, VALVE, #10 for 27836	
7	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AG, Braking	1
7-	237236GT	SEAL KIT,VALVE	
7-	1286193GT	ACTUATOR, SOLENOID VALVE	
7-	237235GT	NUT KIT W/COIL ORINGS	
8	218121GT	RELIEF VALVE, 250 PSI AH, Charge pressure circuit	1
8-	110194GT	SEAL KIT, VALVE, #10 for 218121	
9	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AI, 2-speed motor shift	1
9-	237236GT	SEAL KIT,VALVE for 218125	
9-	237235GT	NUT KIT W/COIL ORINGS for 218125	
9-	122148GT	COIL, SOLENOID VALVE,20W for 218125	
10	231037GT	CHECK VALVE,BALL TYPE,NORMAL AJ, Steer end drive motor circuit	1
10-	74902GT	SEAL KIT, VALVE for 231037	
11	231037GT	CHECK VALVE,BALL TYPE,NORMAL AK, Steer end drive motor circuit	1
11-	74902GT	SEAL KIT, VALVE for 231037	
12	231037GT	CHECK VALVE,BALL TYPE,NORMAL AL, Non-steer end drive motor circuit	1
12-	74902GT	SEAL KIT, VALVE for 231037	
13	231037GT	CHECK VALVE,BALL TYPE,NORMAL AM, Non-steer end drive motor circuit	1

702.1 4WD Traction Manifold



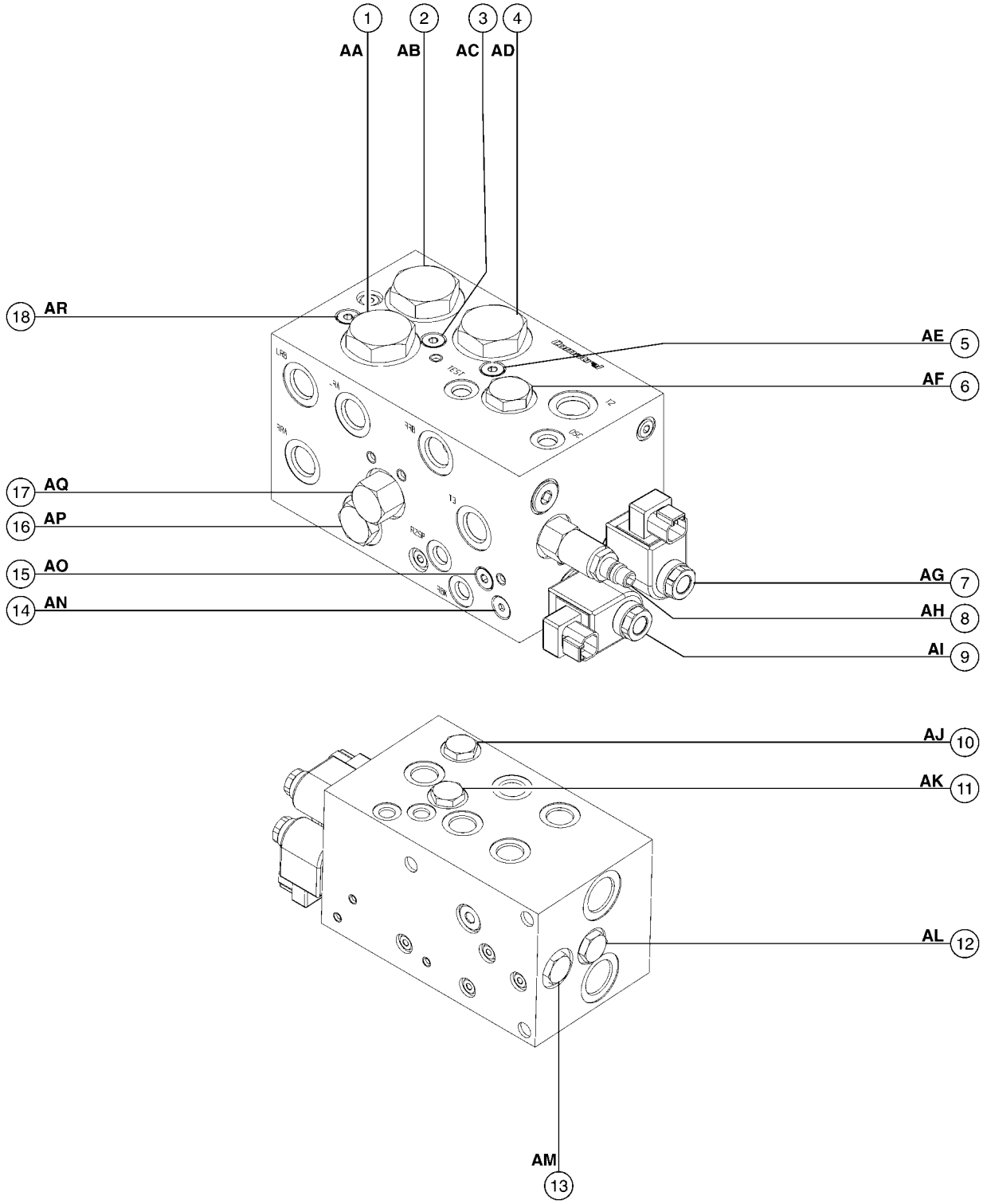
Item	Part No.	Description	Qty.
13-	74902GT	SEAL KIT, VALVE for 231037	
14	27807GT	VALVE,CHECK*** AN, 2 speed motor shift circuit	1
14-	110200GT	SEAL KIT, VALVE, #4 for 27807	
15	77162GT	PLUG-ORIFICE 0.031 INCH AO, Brake circuit	1
16	27836GT	VALVE,CHECK,5 PSI AP, Steer end drive motor circuit	1
16-	110194GT	SEAL KIT, VALVE, #10 for 27836	
17	218127GT	SHUTTLE VALVE, HOT OIL AQ, Charge pressure circuit that directs hot oil out of low pressure side of drive pump and allows low pressure flow path for brake release and 2-speed motor shift	1
17-	84137GT	SEAL KIT, VALVE 84129 for 218127	
18	77186GT	PLUG,ORIFICE,1.00MM(.039IN) AR, Drive circuit	1


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702.2 4WD Traction Manifold

Item	Part No.	Description	Qty.
A-	236278GT	MANIFOLD, TRACTION, 4WD Complete	
1	52726GT	VALVE,FLOW DIVIDER/COMBINER AA, Controls flow to flow divider/combiner valves 2 and 4	1
1-	84135GT	SEAL KIT, VALVE for 52726	
2	62252GT	VALVE, FLOW DIVIDER COMBINER AB, Controls flow to non-steer end drive motors in forward	1
2-	84135GT	SEAL KIT, VALVE for 62252	
3	219425GT	ORIFICE, PLUG, 1.2MM (.047IN) AC, Drive circuit	1
4	62252GT	VALVE, FLOW DIVIDER COMBINER AD, Controls flow to steer end drive motors in forward and reverse	1
4-	84135GT	SEAL KIT, VALVE for 62252	
5	77186GT	PLUG,ORIFICE,1.00MM(.039IN) AE, Drive circuit	1
6	27836GT	VALVE,CHECK,5 PSI AF, Non-steer end drive motor circuit	1
6-	110194GT	SEAL KIT, VALVE, #10 for 27836	
7	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AG, Braking	1
7-	237236GT	SEAL KIT,VALVE	
7-	1286193GT	ACTUATOR, SOLENOID VALVE	
7-	237235GT	NUT KIT W/COIL ORINGS	
8	218121GT	RELIEF VALVE, 250 PSI AH, Charge pressure circuit	1
8-	110194GT	SEAL KIT, VALVE, #10 for 218121	
9	161534GT	VALVE, SOLENOID, 2 POS 3 WAY AI, 2-speed motor shift	1
9-	237236GT	SEAL KIT,VALVE for 218125	
9-	237235GT	NUT KIT W/COIL ORINGS for 218125	
9-	122148GT	COIL, SOLENOID VALVE,20W for 218125	
10	231037GT	CHECK VALVE,BALL TYPE,NORMAL AJ, Steer end drive motor circuit	1
10-	74902GT	SEAL KIT, VALVE for 231037	
11	231037GT	CHECK VALVE,BALL TYPE,NORMAL AK, Steer end drive motor circuit	1
11-	74902GT	SEAL KIT, VALVE for 231037	
12	231037GT	CHECK VALVE,BALL TYPE,NORMAL AL, Non-steer end drive motor circuit	1
12-	74902GT	SEAL KIT, VALVE for 231037	
13	231037GT	CHECK VALVE,BALL TYPE,NORMAL AM, Non-steer end drive motor circuit	1

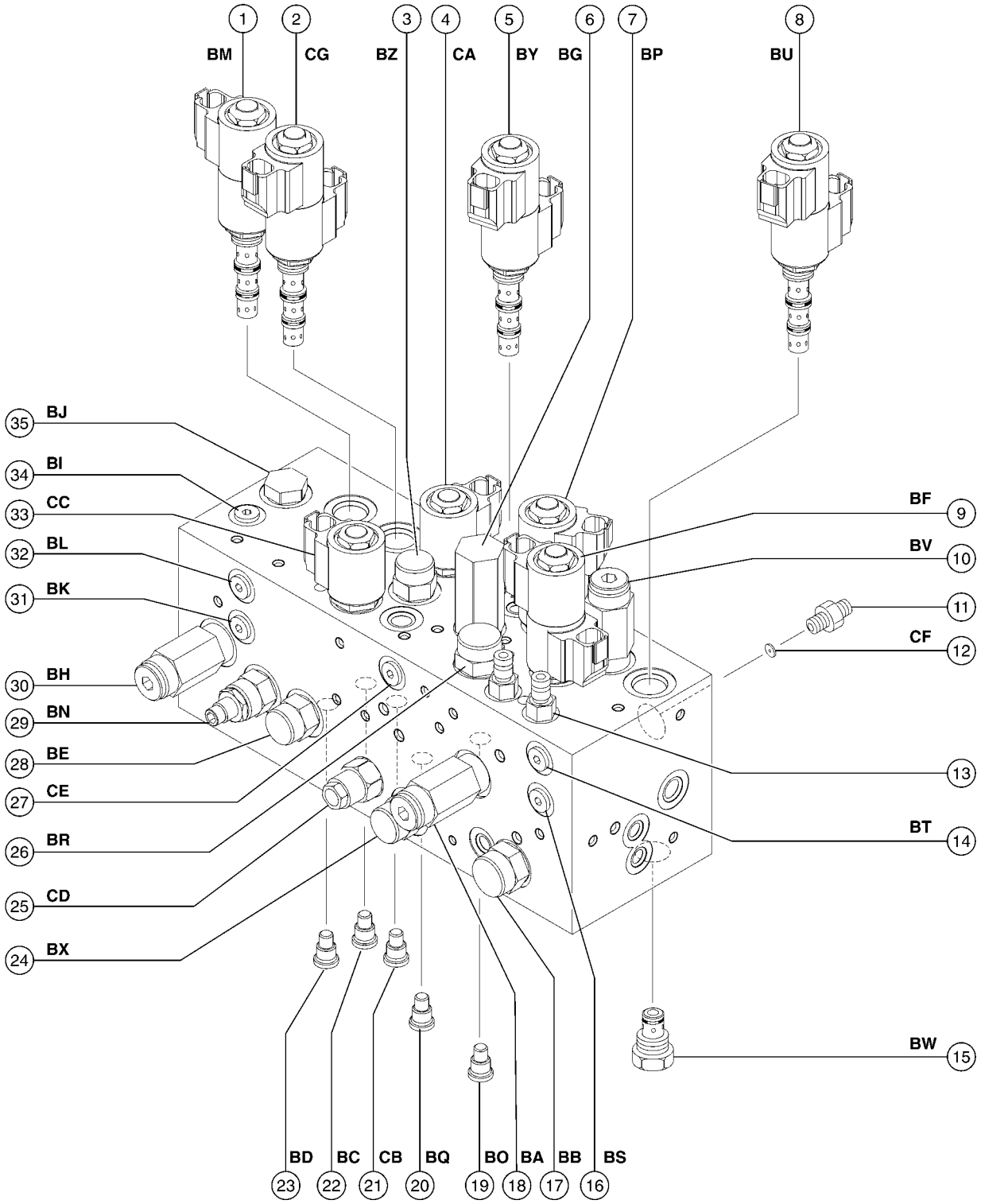
702.2 4WD Traction Manifold



702.2 4WD Traction Manifold

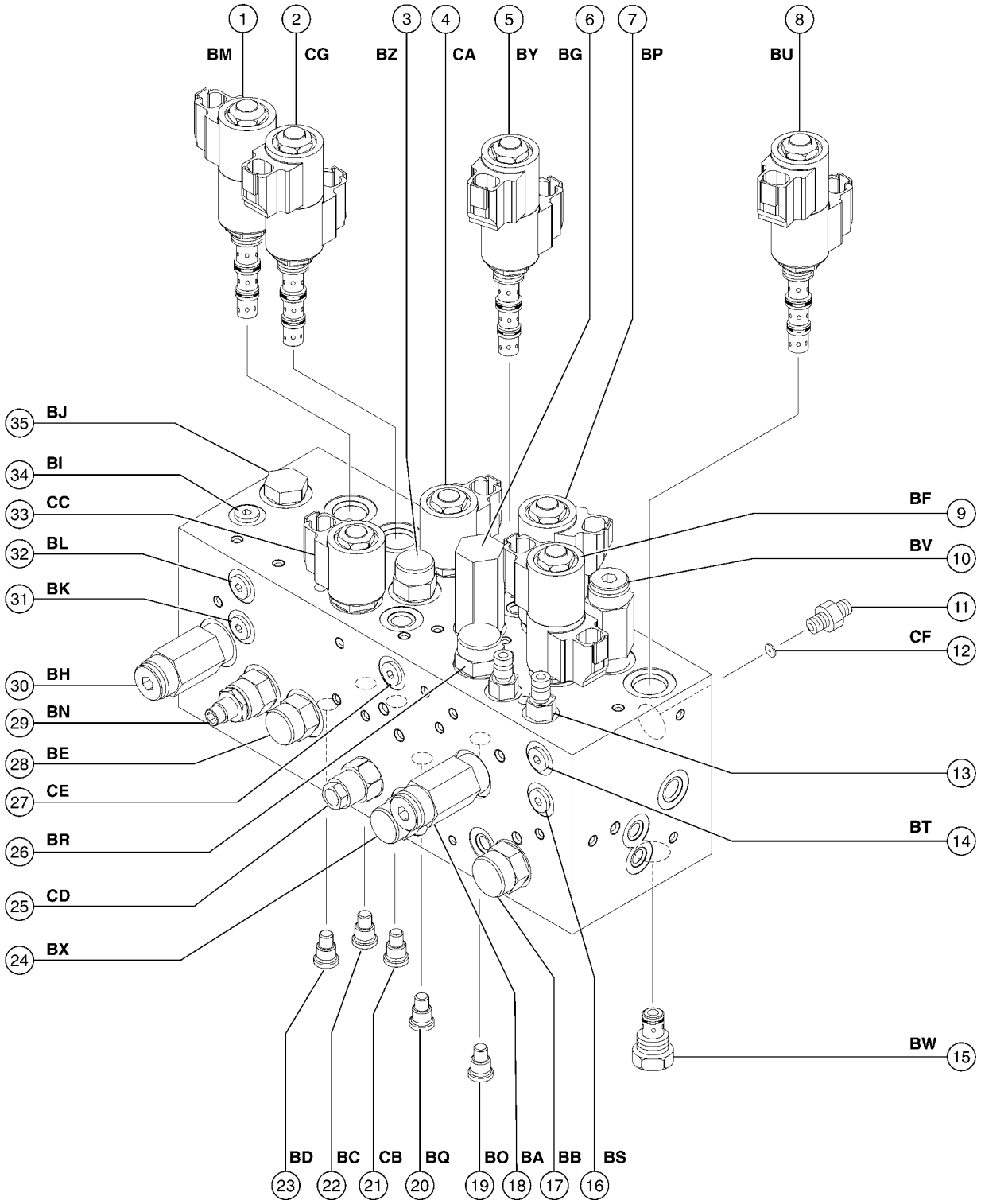
Item	Part No.	Description	Qty.
13-	74902GT	SEAL KIT, VALVE for 231037	
14	27807GT	VALVE,CHECK*** AN, 2 speed motor shift circuit	1
14-	110200GT	SEAL KIT, VALVE, #4 for 27807	
15	77162GT	PLUG-ORIFICE 0.031 INCH AO, Brake circuit	1
16	27836GT	VALVE,CHECK,5 PSI AP, Steer end drive motor circuit	1
16-	110194GT	SEAL KIT, VALVE, #10 for 27836	
17	218127GT	SHUTTLE VALVE, HOT OIL AQ, Charge pressure circuit that directs hot oil out of low pressure side of drive pump and allows low pressure flow path for brake release and 2-speed motor shift	1
17-	84137GT	SEAL KIT, VALVE 84129 for 218127	
18	77186GT	PLUG,ORIFICE,1.00MM(.039IN) AR, Drive circuit	1

703.1 Function Manifold



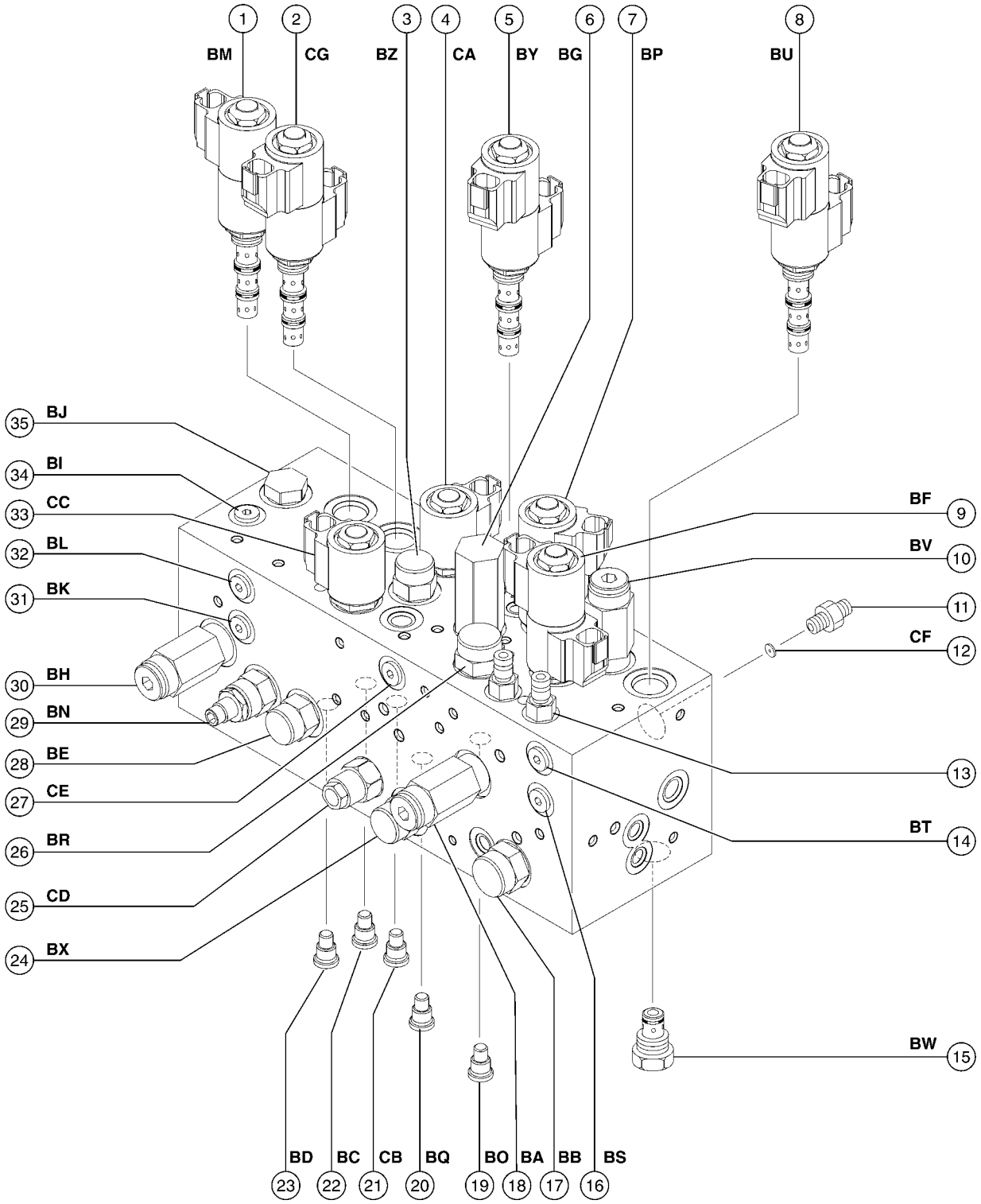
Item	Part No.	Description	Qty.
A-	219436GT	MANIFOLD,FUNCTION,IC Complete	
1	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** BM, Platform level up/down (valve with nut and spacer only)	
1-	44229GT	SEAL KIT, VALVE	
1-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
2	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** CG, Platform rotate left/right and jib boom up/down (valve with nut and spacer only)	
2-	44229GT	SEAL KIT, VALVE	
2-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
3	62346GT	VALVE,FLOW REGULATOR, 2.0 GPM* BZ, Primary boom extension circuit	
3-	44228GT	SEAL KIT, VALVE	
4	62815GT	VALVE,SOLENOID,2POS 3 WAY*** CA, Primary boom extend (valve with nut and spacer only)	
4-	52371GT	SEAL KIT, VALVE	
4-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
5	94614GT	VALVE,PROP,3 POS,4-WAY*** BY, Primary boom up/down (valve with nut and spacer only)	
5-	44229GT	SEAL KIT, VALVE	
5-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
6	94616GT	VALVE,DIFF SENSING,160 PSI BG, Meters flow to functions	
6-	62337GT	SEAL KIT, VALVE	
7	107816GT	VALVE,PROPORTIONAL 3 POS 4 WY* BP, Turntable rotate left/right (valve with nut and spacer only)	
7-	44229GT	SEAL KIT, VALVE	
7-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
8	94614GT	VALVE,PROP,3 POS,4-WAY*** BU, Secondary boom up/down (valve with nut and spacer only)	
8-	44229GT	SEAL KIT, VALVE	
8-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
9	44168GT	VALVE,SOLENOID,3POS 4WAY BF, Steer left/right (valve with nut and spacer only)	
9-	44229GT	SEAL KIT, VALVE	
9-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
10	101277GT	VALVE,RELIEF,2100 PSI*** BV, Secondary boom down	
10-	44227GT	SEAL KIT, VALVE	

703.1 Function Manifold

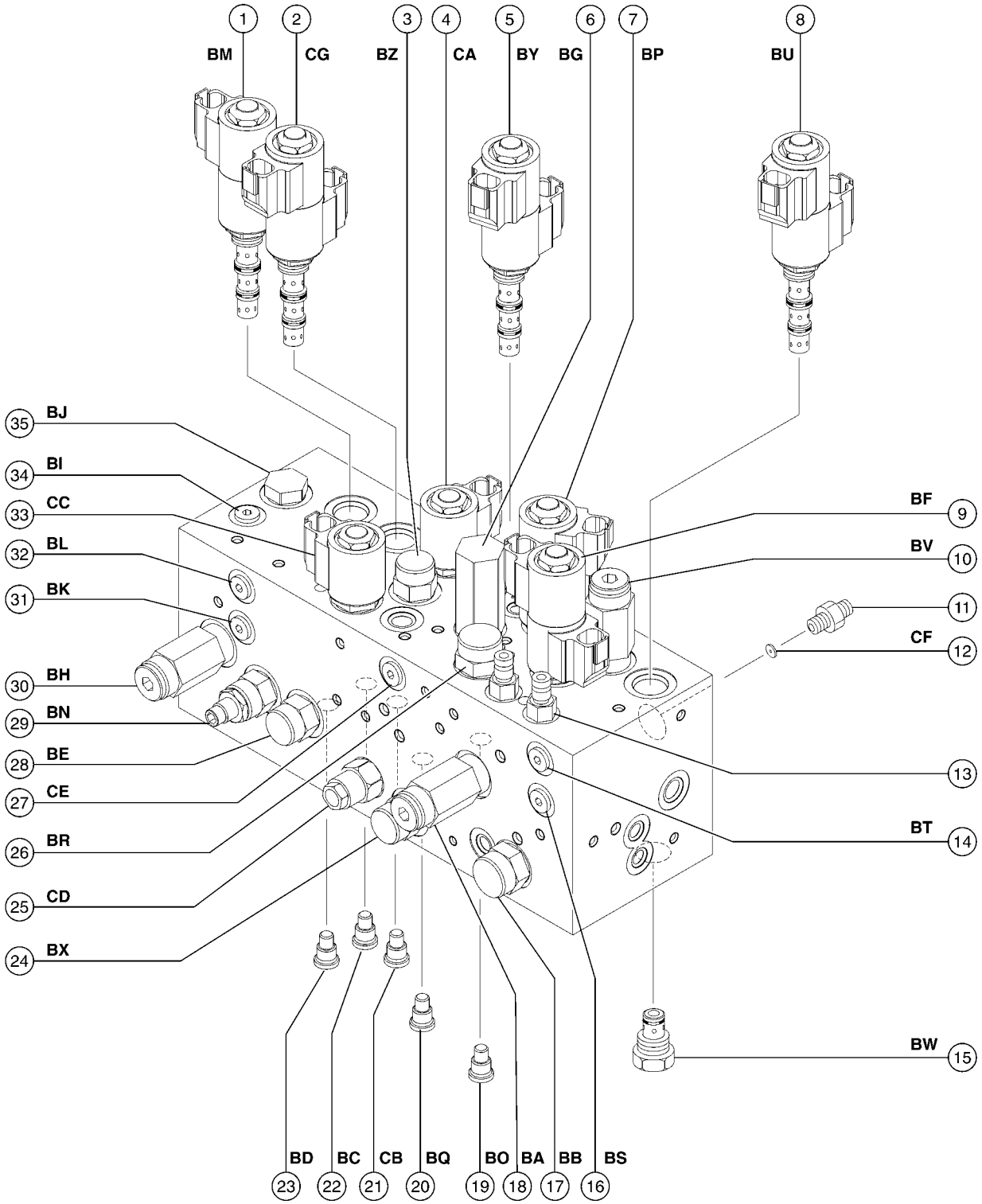


Item	Part No.	Description	Qty.
11	48912GT	CONN,520120-4-6***	
12	47092GT	ORIFICE DISC,.046",GREEN CF, Secondary boom down circuit (located under fitting)	
13	48997GT	NIPPLE,DIAGNOSTIC,#4 Testing	
13-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	
14	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BT, Differential sensing circuit,secondary boom down	
14-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
15	44178GT	VALVE,CHECK,5 PSI** BW, Secondary boom circuit	
15-	44224GT	SEAL KIT, VALVE	
16	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BS, Differential sensing circuit, secondary boom up	
16-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
17	52369GT	VALVE,FLOW REG., 2.0 GPM,GS68 BB, Steer circuit	
17-	44225GT	SEAL KIT, VALVE	
18	52906GT	VALVE-RELIEF,3200 PSI BA, System relief	
18-	44225GT	SEAL KIT, VALVE	
19	826779GT	VALVE, SHUTTLE BO, Turntable rotate circuit	
19-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
20	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BQ, Differential sensing circuit, turntable rotate	
20-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
21	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* CB, Differential sensing circuit,primary boom retract	
21-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
22	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BC, Differential sensing circuit, platform rotate left / jib boom up	
22-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
23	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BD, Differential sensing circuit,platform rotate right / jib boom down	
23-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
24	62324GT	VALVE,FLOW CONTROL, 0.1GPM* BX, Differential sensing circuit,primary boom up/down	
24-	44228GT	SEAL KIT, VALVE	
25	54063GT	VALVE,CB.CBBC-LHN@1000*** CD, Primary boom down circuit	
25-	43018GT	SEAL KIT (39345)	

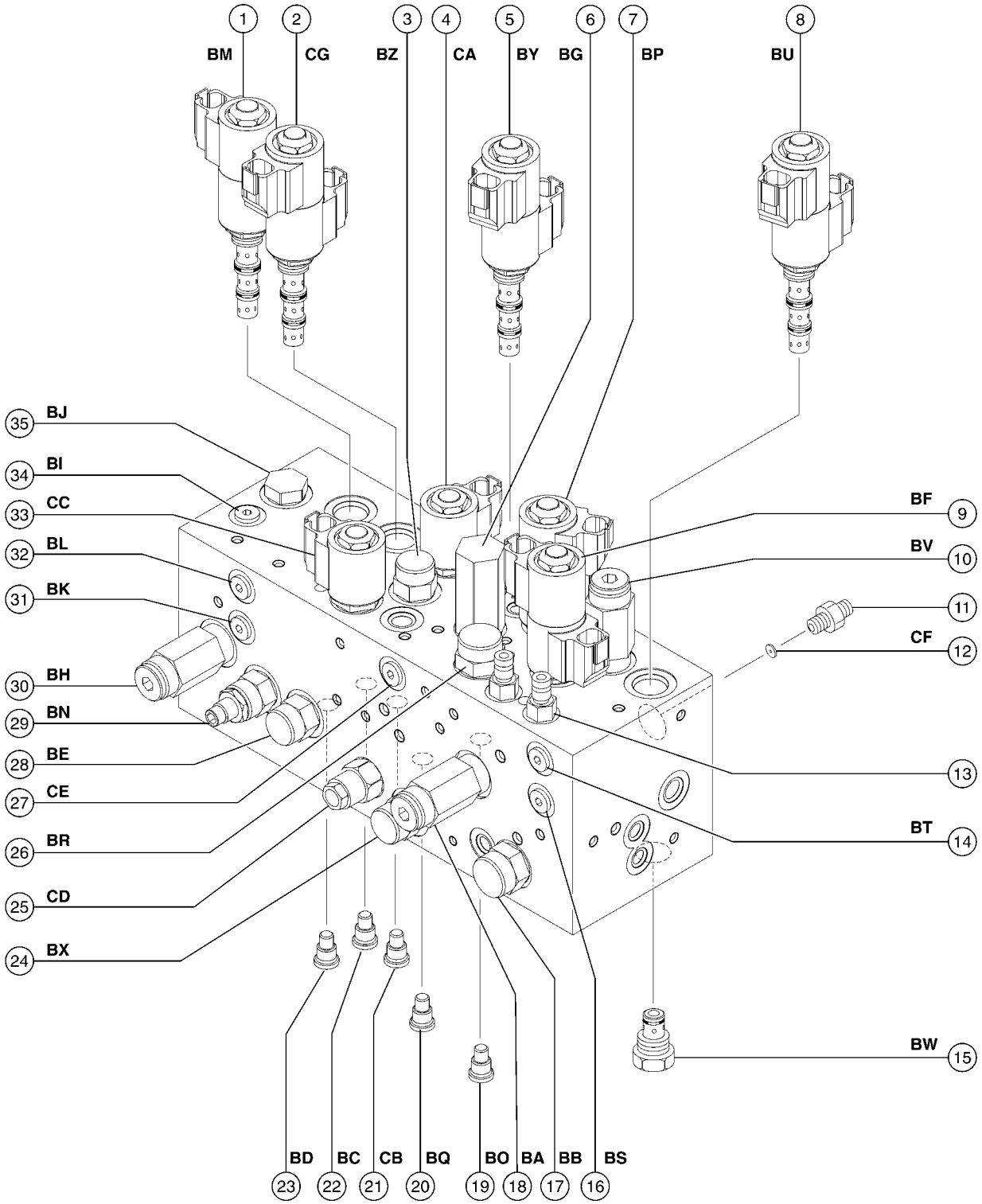
703.1 Function Manifold



Item	Part No.	Description	Qty.
26	110180GT	VALVE, COMPENSATOR, 80 PSI BR, Turntable rotate circuit	
26-	44225GT	SEAL KIT, VALVE	
27	44216GT	VALVE,SHUTTLE CE, Differential sensing circuit,primary boom up/down	
27-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
28	94618GT	VALVE,FLOW CONTROL,.4 GPM BE, Platform rotate / jib boom circuit primary boom up/down	
28-	44228GT	SEAL KIT, VALVE	
29	101055GT	VALVE,NEEDLE,FINE ADJUSTMENT** BN, Platform level circuit	
29-	44228GT	SEAL KIT, VALVE	
30	101114GT	VALVE RELIEF,2500PSI(88513)** BH, Platform level circuit	
30-	44227GT	SEAL KIT, VALVE	
31	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BK, Differential sensing circuit,platform level up	
31-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
32	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BL, Differential sensing circuit,platform level down	
32-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
33	62815GT	VALVE,SOLENOID,2POS 3 WAY*** CC, Primary boom retract (valve with nut and spacer only)	
33-	52371GT	SEAL KIT, VALVE	
33-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
34	44216GT	VALVE,SHUTTLE BI, Platform level circuit	
34-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
35	101958GT	VALVE,CHECK,DUAL PILOT,135 PSI BJ, Platform level circuit	
35-	44229GT	SEAL KIT, VALVE	

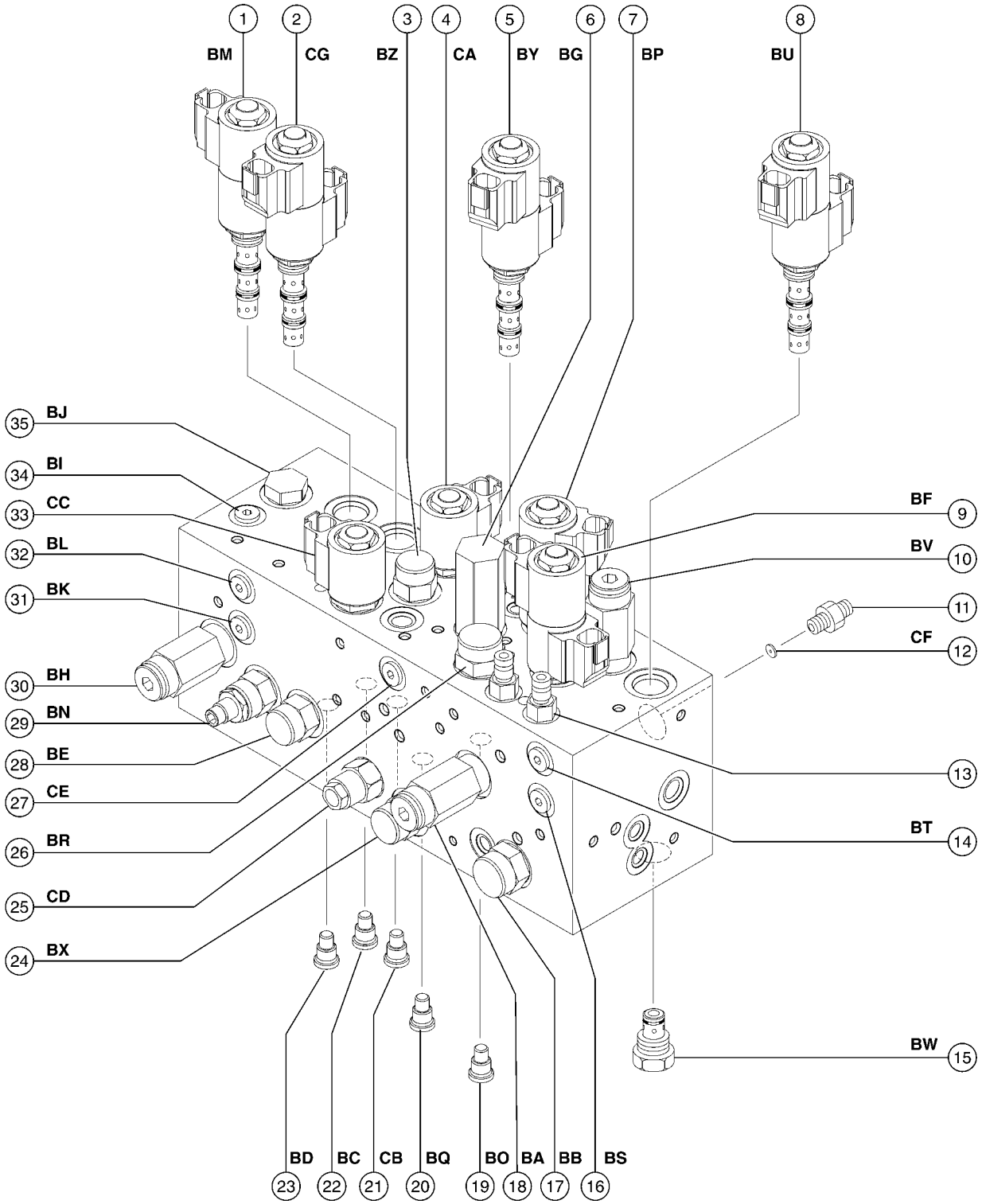

1 BM
2 CG
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6 BG
7 BP
8 BU
35 BJ
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32 BL
31 BK
30 BH
29 BN
28 BE
27 CE
26 BR
25 CD
24 BX
9 BF
10 BV
11
12 CF
13
14 BT
15 BW
23 BD
22 BC
21 CB
20 BQ
19 BO
18 BA
17 BB
16 BS

Item	Part No.	Description	Qty.
A-	219436GT	MANIFOLD,FUNCTION,IC Complete	
1	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** BM, Platform level up/down (valve with nut and spacer only)	
1-	44229GT	SEAL KIT, VALVE	
1-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
2	39346GT	VALVE,SOLENOID 3 POS.4 WAY*** CG, Platform rotate left/right and jib boom up/down (valve with nut and spacer only)	
2-	44229GT	SEAL KIT, VALVE	
2-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
3	62346GT	VALVE,FLOW REGULATOR, 2.0 GPM* BZ, Primary boom extension circuit	
3-	44228GT	SEAL KIT, VALVE	
4	62815GT	VALVE,SOLENOID,2POS 3 WAY*** CA, Primary boom extend (valve with nut and spacer only)	
4-	52371GT	SEAL KIT, VALVE	
4-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
5	94614GT	VALVE,PROP,3 POS,4-WAY*** BY, Primary boom up/down (valve with nut and spacer only)	
5-	44229GT	SEAL KIT, VALVE	
5-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
6	94616GT	VALVE,DIFF SENSING,160 PSI BG, Meters flow to functions	
6-	62337GT	SEAL KIT, VALVE	
7	107816GT	VALVE,PROPORTIONAL 3 POS 4 WY* BP, Turntable rotate left/right (valve with nut and spacer only)	
7-	44229GT	SEAL KIT, VALVE	
7-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
8	94614GT	VALVE,PROP,3 POS,4-WAY*** BU, Secondary boom up/down (valve with nut and spacer only)	
8-	44229GT	SEAL KIT, VALVE	
8-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
9	44168GT	VALVE,SOLENOID,3POS 4WAY BF, Steer left/right (valve with nut and spacer only)	
9-	44229GT	SEAL KIT, VALVE	
9-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
10	101277GT	VALVE,RELIEF,2100 PSI*** BV, Secondary boom down	
10-	44227GT	SEAL KIT, VALVE	

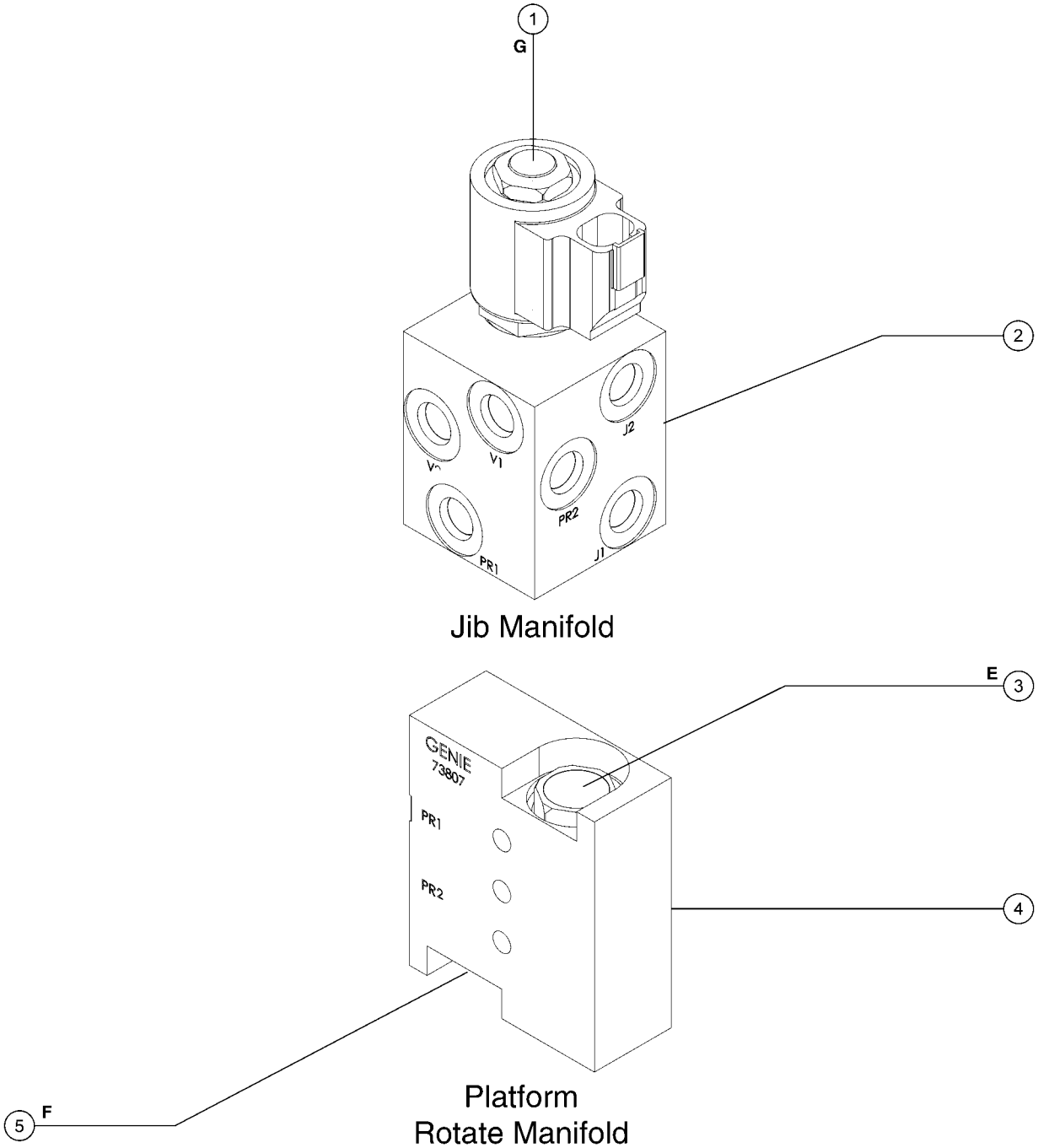

1 BM
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6 BG
7 BP
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35 BJ
34 BI
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29 BN
28 BE
27 CE
26 BR
25 CD
24 BX
9 BF
10 BV
11
12 CF
13
14 BT
15 BW
23 BD
22 BC
21 CB
20 BQ
19 BO
18 BA
17 BB
16 BS

Item	Part No.	Description	Qty.
11	48912GT	CONN,520120-4-6***	
12	47092GT	ORIFICE DISC,.046",GREEN CF, Secondary boom down circuit (located under fitting)	
13	48997GT	NIPPLE,DIAGNOSTIC,#4 Testing	
13-	20224GT	DIAGNOSTIC FEMALE Q-DSCNT	
14	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BT, Differential sensing circuit,secondary boom down	
14-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
15	44178GT	VALVE,CHECK,5 PSI** BW, Secondary boom circuit	
15-	44224GT	SEAL KIT, VALVE	
16	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BS, Differential sensing circuit, secondary boom up	
16-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
17	52369GT	VALVE,FLOW REG., 2.0 GPM,GS68 BB, Steer circuit	
17-	44225GT	SEAL KIT, VALVE	
18	52906GT	VALVE-RELIEF,3200 PSI BA, System relief	
18-	44225GT	SEAL KIT, VALVE	
19	44216GT	VALVE,SHUTTLE BO, Turntable rotate circuit	
19-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
20	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BQ, Differential sensing circuit, turntable rotate	
20-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
21	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* CB, Differential sensing circuit,primary boom retract	
21-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
22	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BC, Differential sensing circuit, platform rotate left / jib boom up	
22-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
23	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BD, Differential sensing circuit,platform rotate right / jib boom down	
23-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
24	62324GT	VALVE,FLOW CONTROL, 0.1GPM* BX, Differential sensing circuit,primary boom up/down	
24-	44228GT	SEAL KIT, VALVE	
25	54063GT	VALVE,CB.CBBC-LHN@1000*** CD, Primary boom down circuit	
25-	43018GT	SEAL KIT (39345)	

703.2 Function Manifold

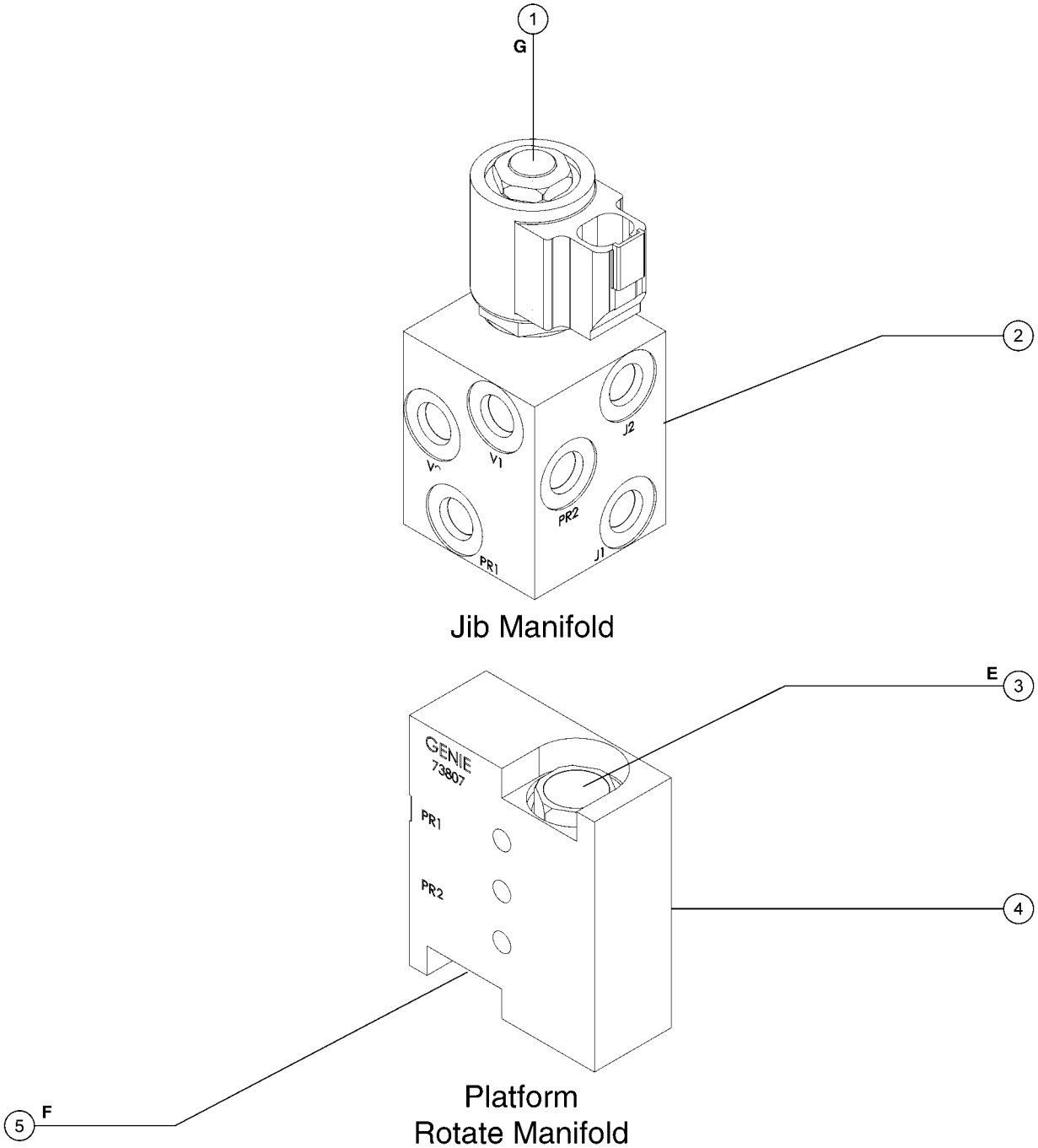


Item	Part No.	Description	Qty.
26	110180GT	VALVE, COMPENSATOR, 80 PSI BR, Turntable rotate circuit	
26-	44225GT	SEAL KIT, VALVE	
27	44216GT	VALVE,SHUTTLE CE, Differential sensing circuit,primary boom up/down	
27-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
28	94618GT	VALVE,FLOW CONTROL,.4 GPM BE, Platform rotate / jib boom circuit primary boom up/down	
28-	44228GT	SEAL KIT, VALVE	
29	101055GT	VALVE,NEEDLE,FINE ADJUSTMENT** BN, Platform level circuit	
29-	44228GT	SEAL KIT, VALVE	
30	101114GT	VALVE RELIEF,2500PSI(88513)** BH, Platform level circuit	
30-	44227GT	SEAL KIT, VALVE	
31	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BK, Differential sensing circuit,platform level up	
31-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
32	52907GT	VALVE-CHECK, #4 SAE, 5 PSI* BL, Differential sensing circuit,platform level down	
32-	62341GT	SEAL KIT,52907,SIZE 4, 2 WAY	
33	62815GT	VALVE,SOLENOID,2POS 3 WAY*** CC, Primary boom retract (valve with nut and spacer only)	
33-	52371GT	SEAL KIT, VALVE	
33-	89863GT	COIL,10V DC,DEUTCH W/DIODE*** (coil sold seperately)	
34	44216GT	VALVE,SHUTTLE BI, Platform level circuit	
34-	44235GT	SEAL KIT-FOR PN.44216 & 826779	
35	101958GT	VALVE,CHECK,DUAL PILOT,135 PSI BJ, Platform level circuit	
35-	44229GT	SEAL KIT, VALVE	

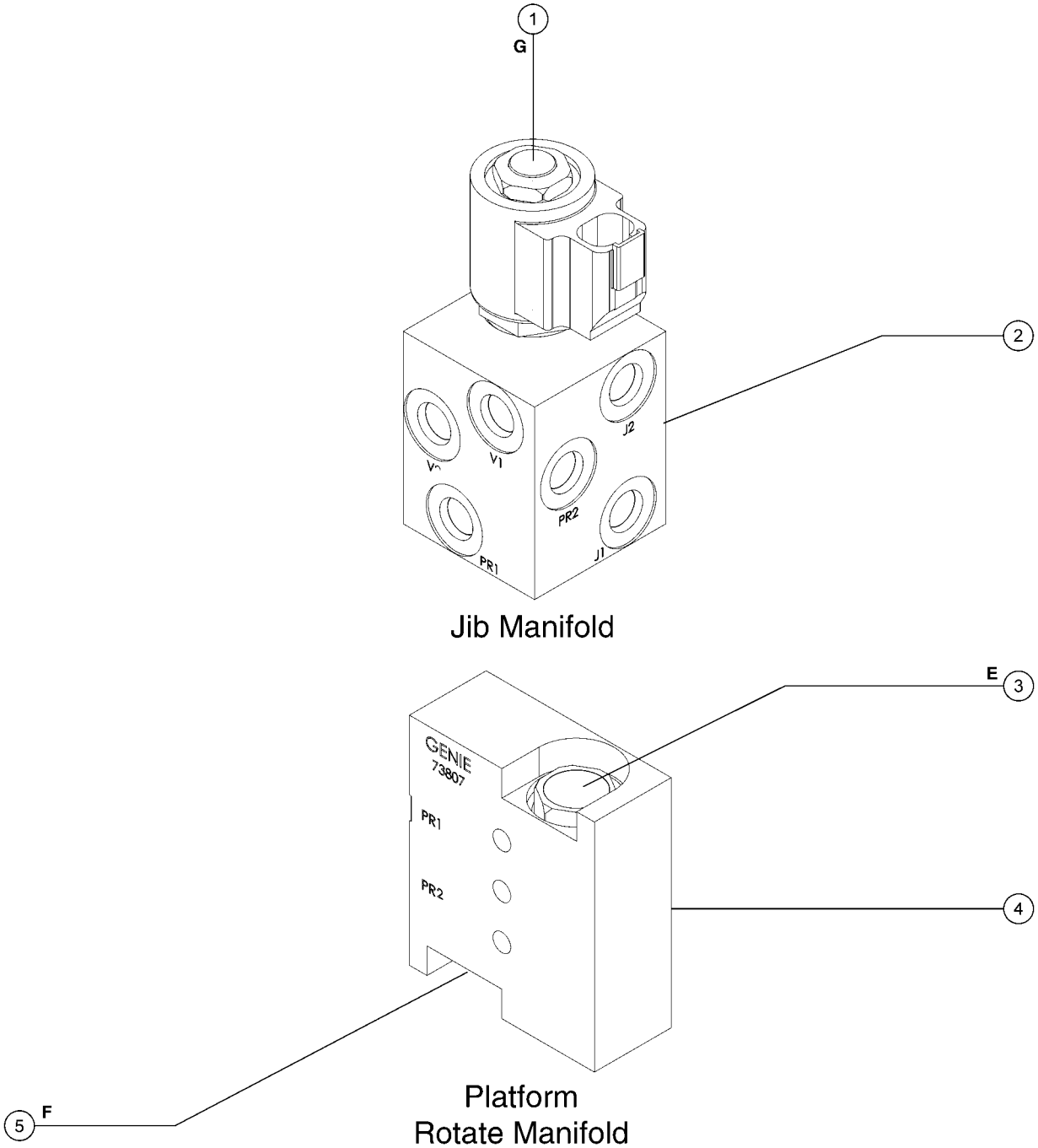

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J1
Jib Manifold
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GENIE
73807
PR1
PR2
4
5
F
Platform
Rotate Manifold

704.1 Jib and Platform Rotate Manifolds, Z-45/25

Item	*Part No.*	*Description*	*Qty.*
3	62506GT	VALVE - COUNTERBALANCE** ..... F, Platform rotate right circuit	1
3-	43018GT	SEAL KIT (39345) ..... for 62506	
4	73807GT	MANIFOLD,ROTATOR,CB*** ..... includes item 3	1
4-	62507GT	O-RING, ROTATOR MANIFOLD ..... for 62507	
5	62506GT	VALVE - COUNTERBALANCE** ..... E, Platform rotate left circuit	1
5-	43018GT	SEAL KIT (39345) ..... for 62506	

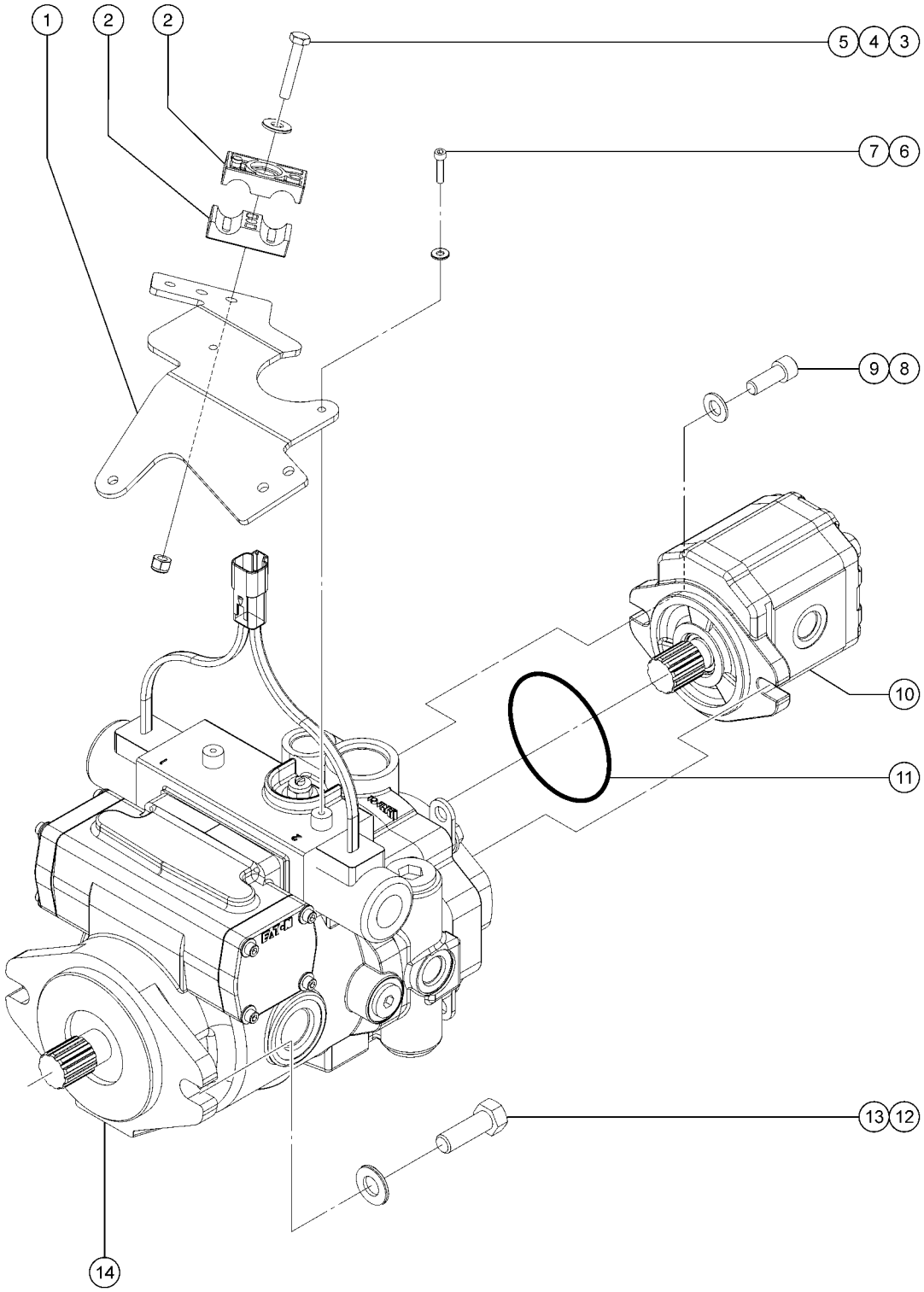

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PR2
PR1
J1
Jib Manifold
E
3
GENIE
73807
PR1
PR2
4
5
F
Platform
Rotate Manifold

Item	Part No.	Description	Qty.
1A	89862GT	VALVE-SOLENOID,2POS 3WAY,JIB** G, Platform rotate left/right and jib boom up/down, for 88786, does not include the coil or nut, 104759 or 44174	
1A-	89864GT	SEAL KIT,SOLENOID VALVE, SV07	
1A-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
1A-	44174GT	NUT-COIL SHORT	
1B	52897GT	VALVE,SOLENOID, 2POS/3WAY*** G, Platform rotate left/right and jib boom up/down, for 1256670, does not include the coil or nut, 104759 or 44174	
1B-	52371GT	SEAL KIT, VALVE	
1B-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
1B-	44174GT	NUT-COIL SHORT	
2	1256670GT	MANIFOLD,JIB SELECT W/QD PLUG includes item 1, replaced 88786	
2-	52897GT	VALVE,SOLENOID, 2POS/3WAY***	
2-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
2-	44174GT	NUT-COIL SHORT	
2-	52371GT	SEAL KIT, VALVE for 52897	
3	62506GT	VALVE - COUNTERBALANCE** E and F, Platform rotate circuit	1
3-	43018GT	SEAL KIT (39345) for 62506	
4	73807GT	MANIFOLD,ROTATOR,CB*** includes item 3	1
4-	62507GT	O-RING, ROTATOR MANIFOLD for 62507	
4-	62507GT	O-RING, ROTATOR MANIFOLD	
4-	43018GT	SEAL KIT (39345)	
5	62506GT	VALVE - COUNTERBALANCE**	
5-		BRACKET,BOX (no longer available)	


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Jib Manifold
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Platform
Rotate Manifold

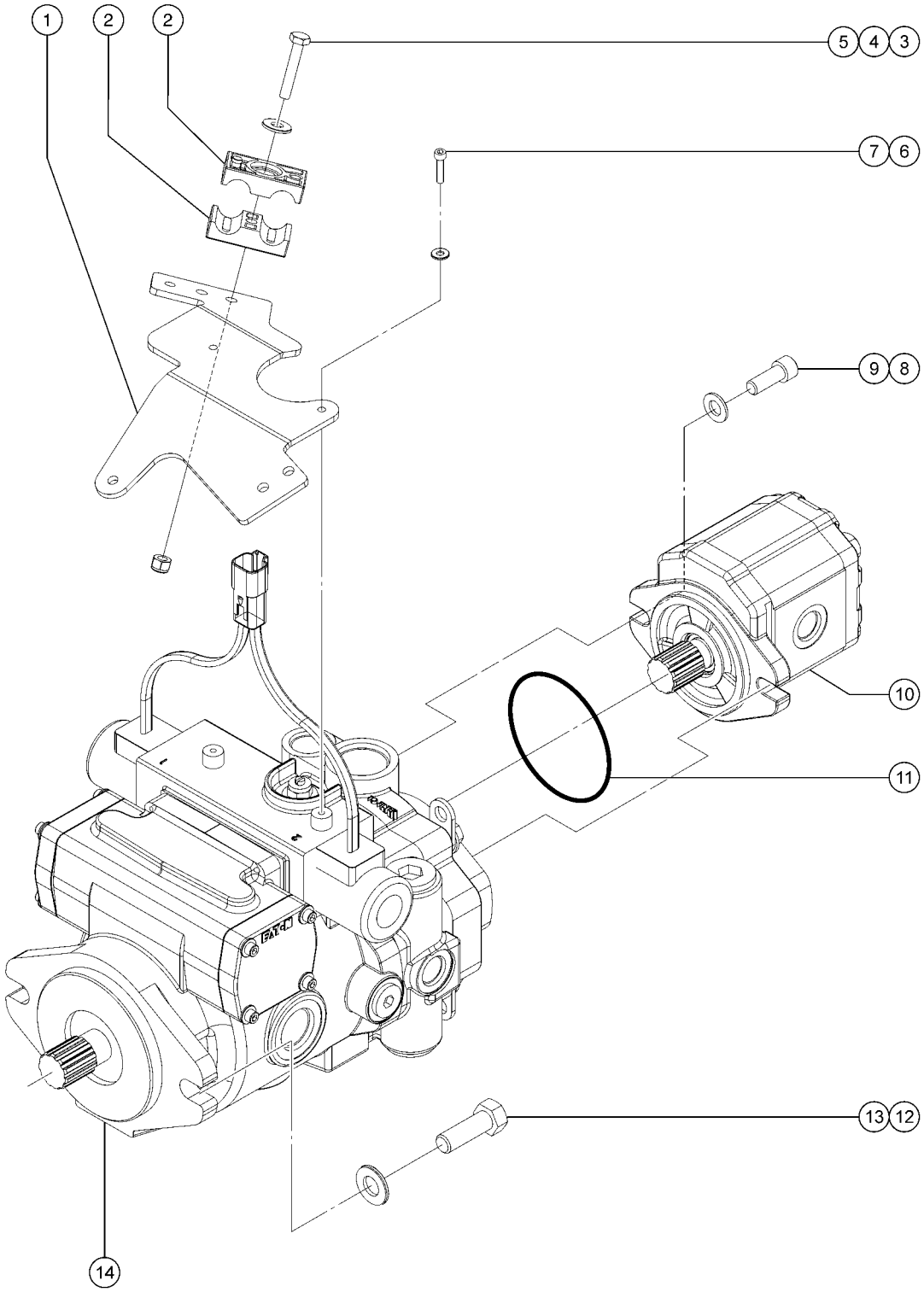
Item	Part No.	Description	Qty.
1A	89862GT	VALVE-SOLENOID,2POS 3WAY,JIB** G, Platform rotate left/right and jib boom up/down, for 88786, does not include the coil or nut, 104759 or 44174	
1A-	89864GT	SEAL KIT,SOLENOID VALVE, SV07	
1A-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
1A-	44174GT	NUT-COIL SHORT	
1B	52897GT	VALVE,SOLENOID, 2POS/3WAY*** G, Platform rotate left/right and jib boom up/down, for 1256670, does not include the coil or nut, 104759 or 44174	
1B-	52371GT	SEAL KIT, VALVE	
1B-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
1B-	44174GT	NUT-COIL SHORT	
2	1256670GT	MANIFOLD,JIB SELECT W/QD PLUG includes item 1, replaced 88786	
2-	52897GT	VALVE,SOLENOID, 2POS/3WAY***	
2-	104759GT	COIL,12VDC #8 DTSCH IP69 ECOIL	
2-	44174GT	NUT-COIL SHORT	
2-	52371GT	SEAL KIT, VALVE for 52897	
3	62506GT	VALVE - COUNTERBALANCE** E and F, Platform rotate circuit	1
3-	43018GT	SEAL KIT (39345) for 62506	
4	73807GT	MANIFOLD,ROTATOR,CB*** includes item 3	1
4-	62507GT	O-RING, ROTATOR MANIFOLD for 62507	
4-	62507GT	O-RING, ROTATOR MANIFOLD	
4-	43018GT	SEAL KIT (39345)	
5	62506GT	VALVE - COUNTERBALANCE**	
5-		BRACKET,BOX (no longer available)	

705.1 Pumps

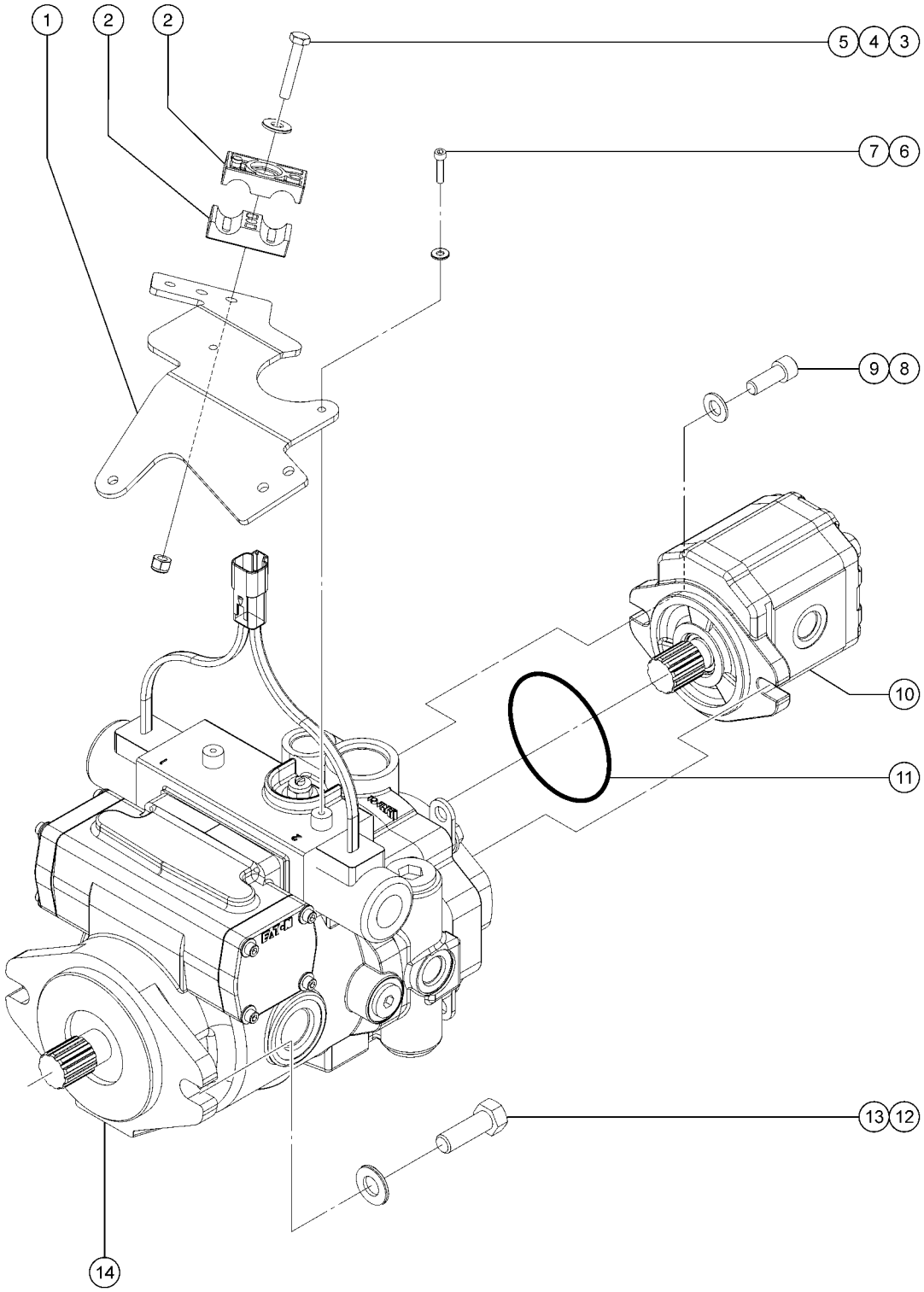


Item	Part No.	Description	Qty.
1	216342GT	BRACKET,PUMP MOUNTING	1
2	78736GT	CLAMP,2 HOSE,PLASTIC	4
3	6145GT	SCREW, HHC, 1/4-20 X 1.5	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	6091GT	NUT,NYLOCK,1/4-20	
6	66856GT	SCREW,SHC,8-32 X 3/4,BLK COAT	2
7	35461GT	WASHER,FLAT,MS,#8,Y	2
8	33988GT	SCREW,SHC,3/8-16 X 1	2
9	22699GT	WASHER, FLAT, M10, ZINC PLTD.	2
10	81013GT	PUMP,PIGGBACK,11CC,11 TOOTH	1
10-	81669GT	SEAL KIT,11 TOOTH PUMP*** for 81013	
11	43683GT	O-RING,2-042 N674-70***	1
12	8177GT	SCREW,HHC,1/2-13 X 1.5	2
13	13066GT	WASHER,FLAT,.5 HARDENED	2
14	77788GT	PUMP,PISTON,49CC***	1
14-	9990420GT	Shaft 15TM X ¾-11TM	
14-	43683GT	O-RING,2-042 N674-70***	
14-	58431GT	SEAL KIT,PUMP SHAFT (EATON)*** check pump date code, if after 031505, must also order 107813 qty 1	
14-	82431GT	HOSE ASM-JCAF310-06-41	
14-	1286043GT	KIT,SOLENOID REPLACEMENT,EATON (77788) includes two coils	
14-	1285506GT	SEAL RING,SOLENOID CONTROL (for 1286043GT)	
14-	101294GT	KIT,CHARGE PUMP	
14-	106835GT	CONTROLLER W/O COILS (77788) (first time replacement requires 1285505GT)	
14-	1285505GT	KIT,SOLENOID CONTROL SERVICE	
14-	106836GT	O-RING,STEM,EATON	
14-	106837GT	NUT,STEM,EATON***	
14-	107813GT	SPACER,EATON PUMP SHAFT SEAL** check pump date code, for pumps after 031505	
14-	107814GT	SEAL,SHAFT,EATON PUMP***	

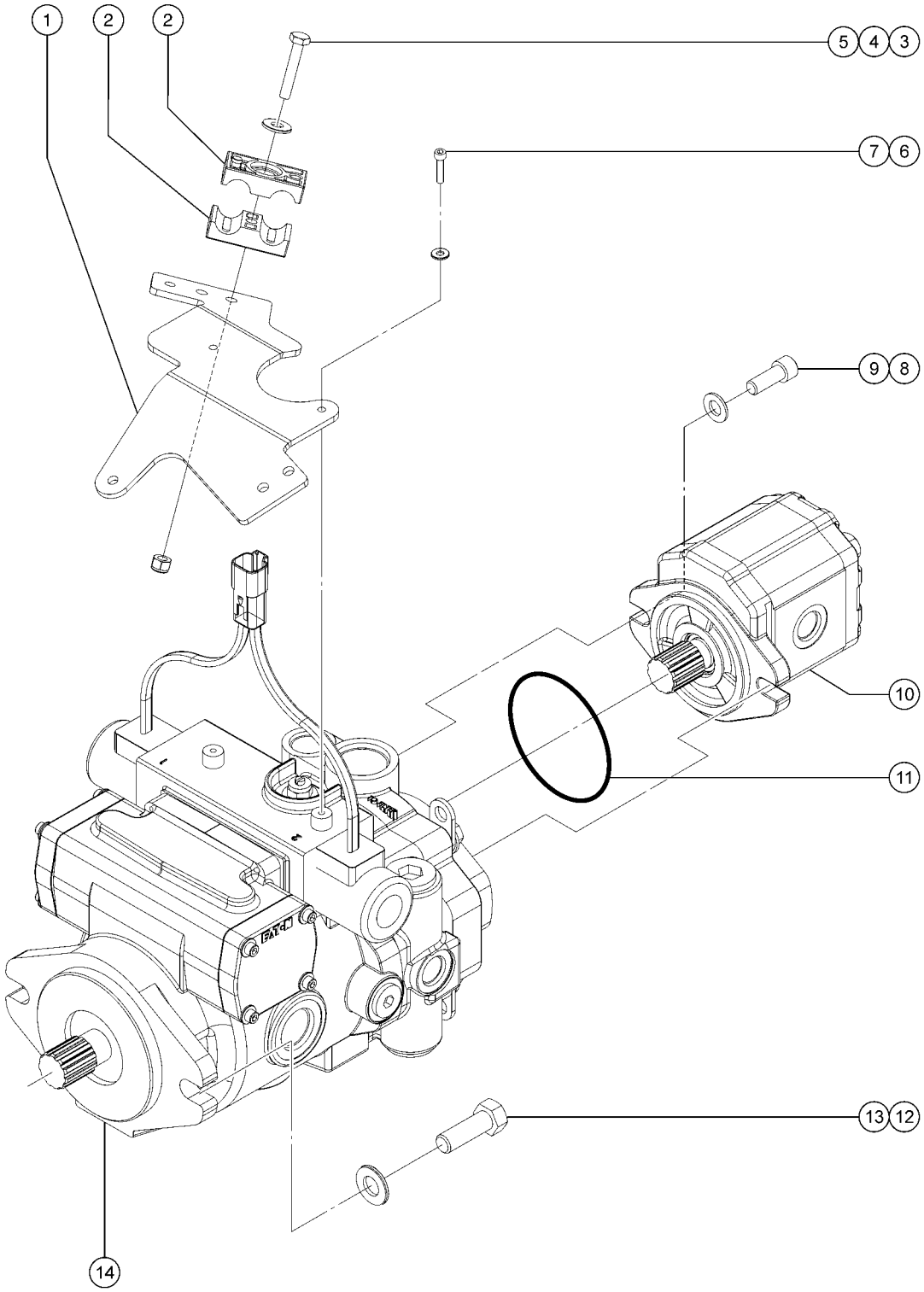
705.1 Pumps



Item	*Part No.*	*Description*	*Qty.*
14-	107815GT	SNAP RING,PUMP SHAFT SEAL***	
14-	107842GT	KIT,PUMP SHAFT SEAL W/INST*** includes PNs 107813, 107814, 107815	
14-	128423GT	KIT,CHARGE PUMP HOUSING	
14-	9990606GT	COVER PLATE GASKET (Component of 77788GT) (QTY 2 per pump)	
14-	9990607GT	WASHER SEAL(Component of 77788GT) (use on Cover Plate)	
14-	9990608GT	NUT, JAM (Component of 77788GT) (use on Cover Plate)	

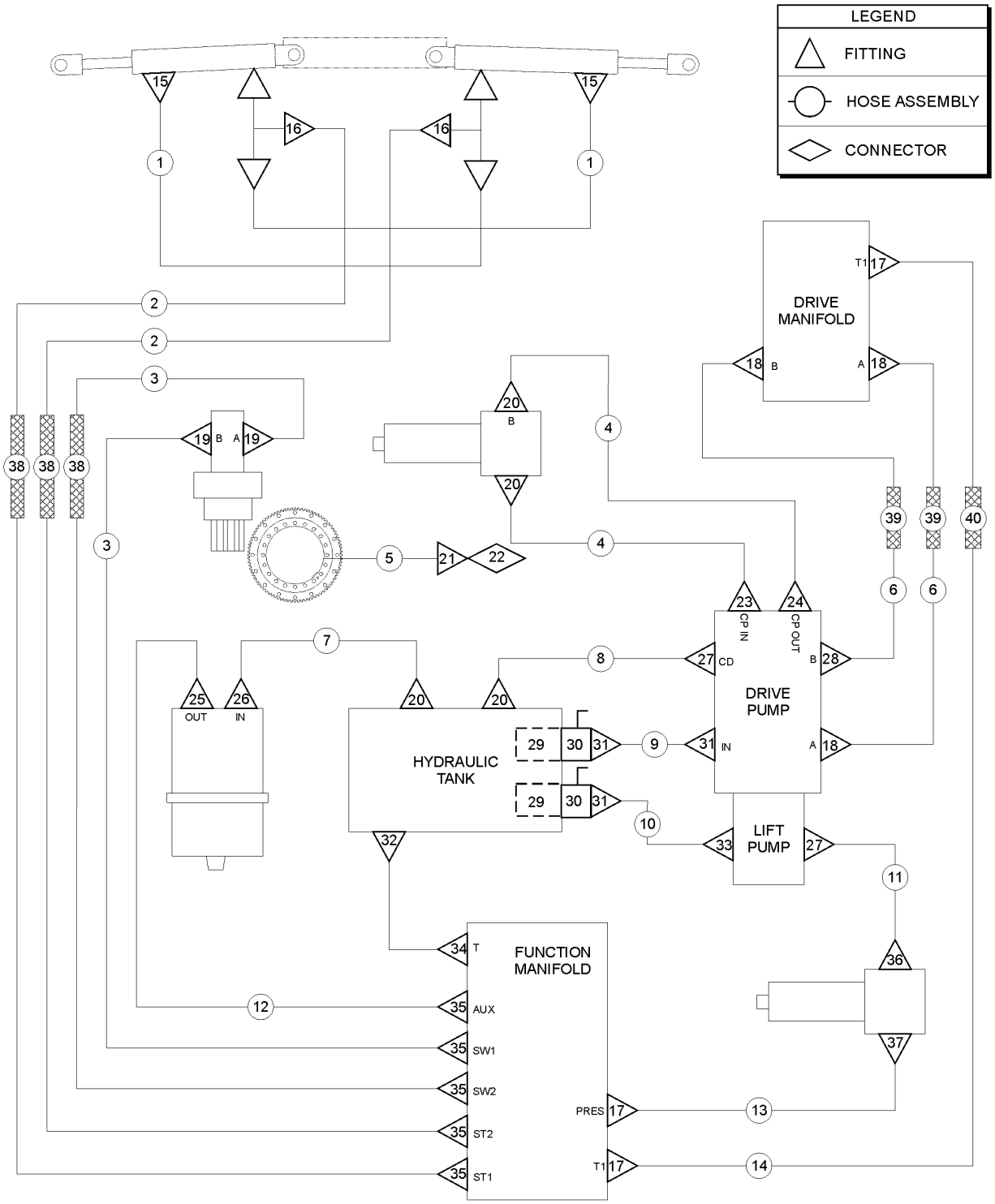

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Item	Part No.	Description	Qty.
1	216342GT	BRACKET,PUMP MOUNTING	1
2	78736GT	CLAMP,2 HOSE,PLASTIC	4
3	6145GT	SCREW, HHC, 1/4-20 X 1.5	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	6091GT	NUT,NYLOCK,1/4-20	
6	66856GT	SCREW,SHC,8-32 X 3/4,BLK COAT	2
7	35461GT	WASHER,FLAT,MS,#8,Y	2
8	33988GT	SCREW,SHC,3/8-16 X 1	2
9	22699GT	WASHER, FLAT, M10, ZINC PLTD.	2
10	81013GT	PUMP,PIGGBACK,11CC,11 TOOTH	1
10-	81669GT	SEAL KIT,11 TOOTH PUMP*** for 81013	
11	43683GT	O-RING,2-042 N674-70***	1
12	8177GT	SCREW,HHC,1/2-13 X 1.5	2
13	13066GT	WASHER,FLAT,.5 HARDENED	2
14	77788GT	PUMP,PISTON,49CC***	1
14-	9990420GT	Shaft 15TM X ¾-11TM	
14-	43683GT	O-RING,2-042 N674-70***	
14-	58431GT	SEAL KIT,PUMP SHAFT (EATON)*** check pump date code, if after 031505, must also order 107813 qty 1	
14-	82431GT	HOSE ASM-JCAF310-06-41	
14-	1286043GT	KIT,SOLENOID REPLACEMENT,EATON (77788) includes two coils	
14-	1285506GT	SEAL RING,SOLENOID CONTROL (for 1286043GT)	
14-	101294GT	KIT,CHARGE PUMP	
14-	106835GT	CONTROLLER W/O COILS (77788) (first time replacement requires 1285505GT)	
14-	1285505GT	KIT,SOLENOID CONTROL SERVICE	
14-	106836GT	O-RING,STEM,EATON	
14-	106837GT	NUT,STEM,EATON***	
14-	107813GT	SPACER,EATON PUMP SHAFT SEAL** check pump date code, for pumps after 031505	
14-	107814GT	SEAL,SHAFT,EATON PUMP***	


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Item	*Part No.*	*Description*	*Qty.*
14-	107815GT	SNAP RING,PUMP SHAFT SEAL***	
14-	107842GT	KIT,PUMP SHAFT SEAL W/INST*** includes PNs 107812, 107813, 107814, 107815	
14-	128423GT	KIT,CHARGE PUMP HOUSING	
14-	9990606GT	COVER PLATE GASKET (Component of 77788GT)	
14-	9990607GT	WASHER SEAL(Component of 77788GT)	
14-	9990608GT	NUT, JAM (Component of 77788GT)	

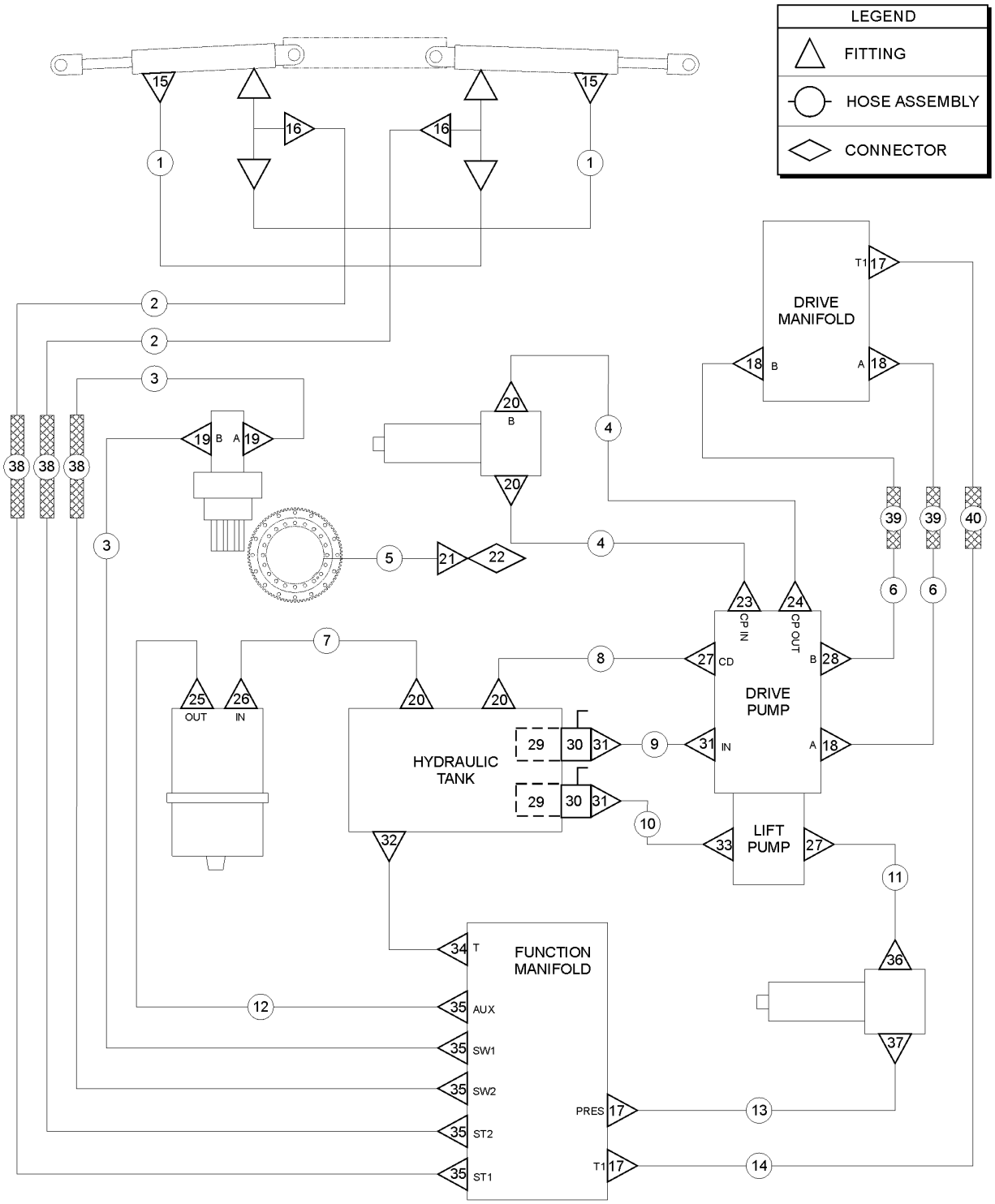
801.1 Function Manifold, View 1



801.1 Function Manifold, View 1

Item	Part No.	Description	Qty.
1	49118-2508GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
2	49120-13081GT	HOSE ASSEMBLY,1/4"	2
3	49119-4878GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
4	49141-2463GT	HOSE ASSY,1/2,45 FEM,STR FEM**	2
5	88635-3724GT	HOSE ASSY 1/4,STR FEM,PIPETHRE	1
6	94374-10330GT	HOSE ASSY,3/4,90 FEM,STR FEM	2
7	1290359-3121GT	ASSY, HOSE, AIR, -6, 350, STR, 90	1
8	49141-6763GT	HOSE ASSY,1/2,45 FEM,STR FEM	1
9	119993-4753GT	HOSE ASSY 1",STR FEM,STR FEM to SN Z452515A-53821	1
9B	1290343-4750GT	ASSY, HOSE, HYD, -16, 250, STR, STR from SN Z452515A-53822 to 55298	
9B	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for 1290343-4750	47 inches
10	119993-4303GT	HOSE ASSY 1",STR FEM,STR FEM to SN Z452515A-53821	1
10B	1290343-4750GT	ASSY, HOSE, HYD, -16, 250, STR, STR from SN Z452515A-53822 to 55298	
10B	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for 1290343-4750	47 inches
11	75278-2629GT	HOSE ASSY,1/2,90 FEM,STR FEM**	1
12	49117-5691GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
13	61143-8063GT	HOSE ASSY,1/4,45 FEM,STR FEM**	1
14	49183-11492GT	HOSE ASSY,1/2,STR FEM,STR FEM	1
15	48911GT	ELBOW,90D,520220-4-6***	2
16	48918GT	TEE,RUN,520428-6	2
17	48933GT	CONN,520120-8***	3
18	48906GT	TEE,RUN,520428-4	2
19	48904GT	ELBOW, 90D, 520220-4	2
20	48932GT	FITTING,ELBOW,90D,520220-8***	4
21	48885GT	CONNECTOR,BULKHEAD,FEMALE-4	1
22	94643GT	ZERK,GREASE,5/16-24,STRAIT	1
23	48949GT	CONN,520120-8-16	1

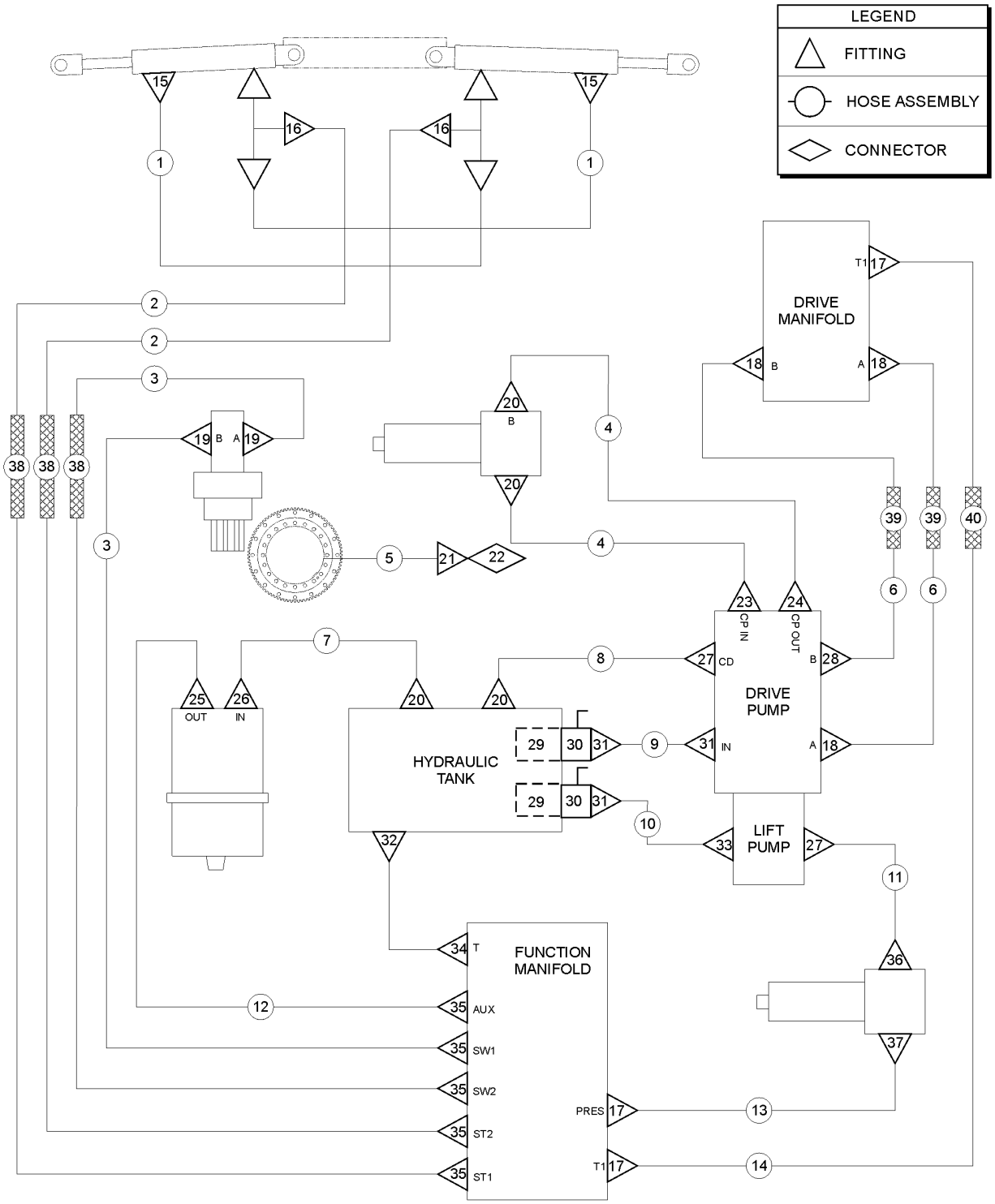
801.1 Function Manifold, View 1



801.1 Function Manifold, View 1

Item	Part No.	Description	Qty.
24	48946GT	CONN,520120-8-10	1
25	48912GT	CONN,520120-4-6***	1
26	48916GT	CONN, 520120-6	1
27	48999GT	VALVE,CHK,#8PORT-#8MALEORFS	1
28	48978GT	ELBOW,45D,520320-12-16	2
29	147419GT	KIT,STRAINER REPLACEMENT	2
30	48996GT	VALVE,BALL,16 MSAE-16 FSAE***	2
31	48984GT	CONN, 520120-16	3
32	48977GT	CONN,520120-12-16	1
33	48983GT	ELBOW,90D,520220-16	1
34	48960GT	FITTING,CONN,520120-12***	1
35	48905GT	CONNECTOR, 520120-4	5
36	48947GT	ELBOW,90D,520220-8-12	1
37	48948GT	CONN,520120-8-12	1
38	48773GT	SLEEVE,NYLON,.86 ID Qty. 3	28 inches
39	48767GT	SLEEVE,NYLON,1.42 ID Qty. 2	20 inches
40	48773GT	SLEEVE,NYLON,.86 ID	20 inches

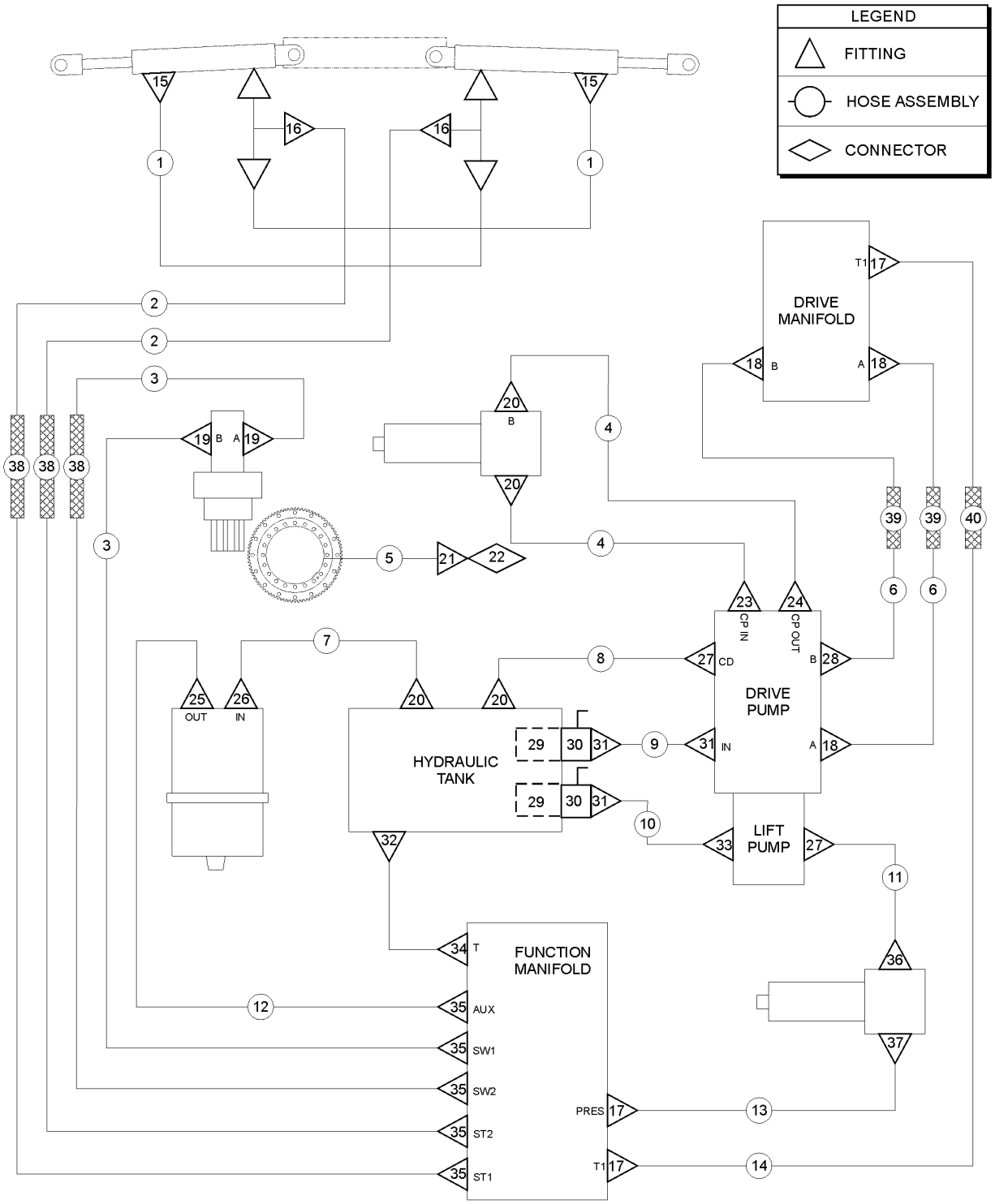
801.2 Function Manifold, View 1



801.2 Function Manifold, View 1

Item	Part No.	Description	Qty.
A-	48767GT	SLEEVE,NYLON,1.42 ID	20 inches
B-	48773GT	SLEEVE,NYLON,.86 ID	20 inches
C-	48773GT	SLEEVE,NYLON,.86 ID	28 inches
1	49118-2508GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
2	49120-13081GT	HOSE ASSEMBLY,1/4"	2
3	49119-4878GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
4	49141-2463GT	HOSE ASSY,1/2,45 FEM,STR FEM**	2
5	88635-3724GT	HOSE ASSY 1/4,STR FEM,PIPETHRE	1
6	94374-10330GT	HOSE ASSY,3/4,90 FEM,STR FEM	2
7	1290359-3121GT	ASSY, HOSE, AIR, -6, 350, STR, 90	1
8	49141-6763GT	HOSE ASSY,1/2,45 FEM,STR FEM	1
9	119993-4753GT	HOSE ASSY 1",STR FEM,STR FEM to SN Z452515A-53821	1
9B	1290343-4750GT	ASSY, HOSE, HYD, -16, 250, STR, STR from SN Z452515A-53822	
9B	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for 1290343-4750	47 inches
10	119993-4303GT	HOSE ASSY 1",STR FEM,STR FEM to SN Z452515A-53821	1
10B	1290343-4750GT	ASSY, HOSE, HYD, -16, 250, STR, STR from SN Z452515A-53822	
10B	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for 1290343-4750	47 inches
11	75278-2629GT	HOSE ASSY,1/2,90 FEM,STR FEM**	1
12	49117-5691GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
13	61143-8063GT	HOSE ASSY,1/4,45 FEM,STR FEM**	1
14	49183-11492GT	HOSE ASSY,1/2,STR FEM,STR FEM	1
15	48911GT	ELBOW,90D,520220-4-6***	2
16	48918GT	TEE,RUN,520428-6	2
17	48933GT	CONN,520120-8***	3
18	48906GT	TEE,RUN,520428-4	2

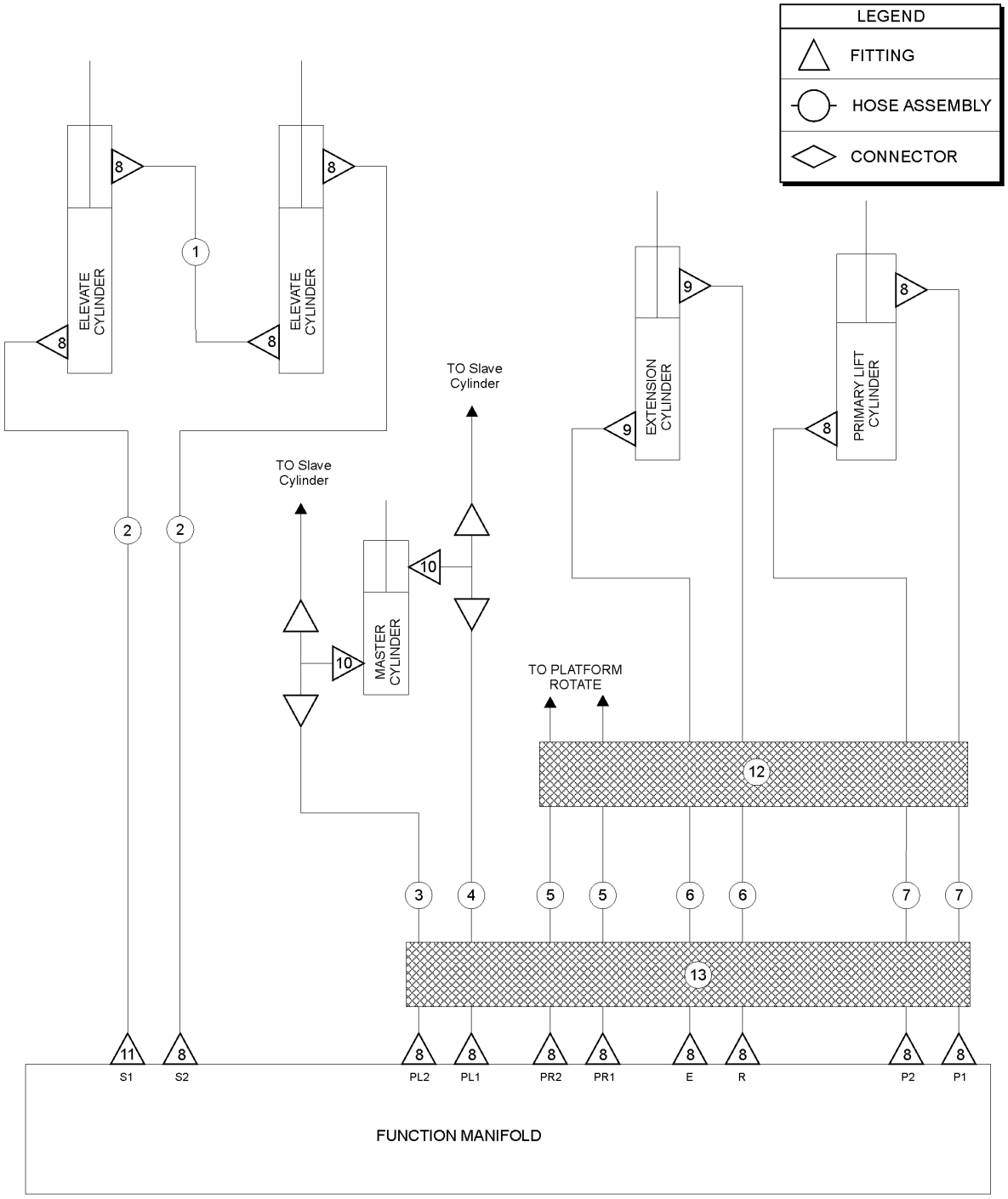
801.2 Function Manifold, View 1



801.2 Function Manifold, View 1

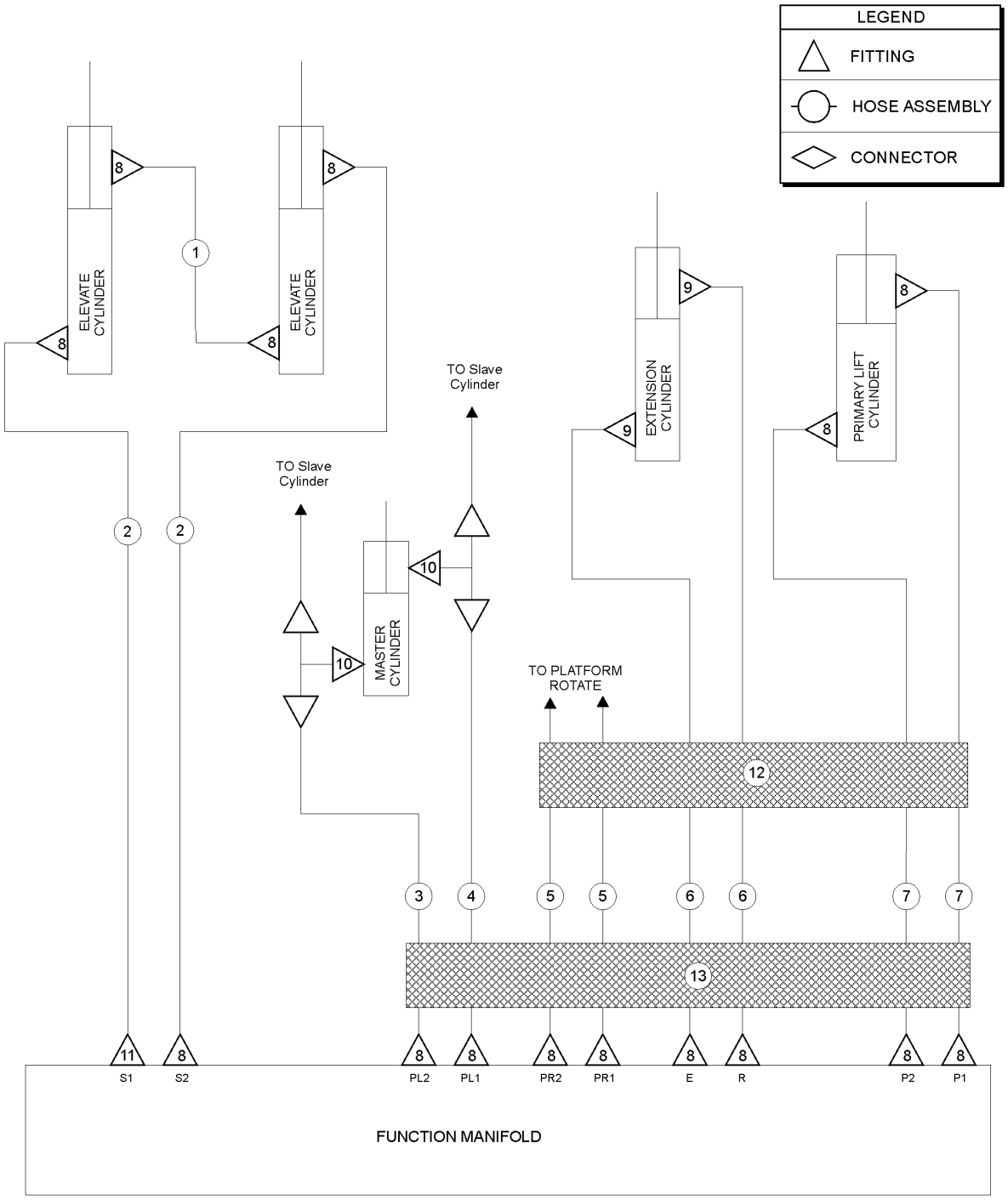
Item	Part No.	Description	Qty.
19	48904GT	ELBOW, 90D, 520220-4	2
20	48932GT	FITTING,ELBOW,90D,520220-8***	4
21	48885GT	CONNECTOR,BULKHEAD,FEMALE-4	1
22	94643GT	ZERK,GREASE,5/16-24,STRAIT	1
23	48949GT	CONN,520120-8-16	1
24	48946GT	CONN,520120-8-10	1
25	48912GT	CONN,520120-4-6***	1
26	48916GT	CONN, 520120-6	1
27	48999GT	VALVE,CHK,#8PORT-#8MALEORFS	1
28	48978GT	ELBOW,45D,520320-12-16	2
29	147419GT	KIT,STRAINER REPLACEMENT	2
30	48996GT	VALVE,BALL,16 MSAE-16 FSAE***	2
31	48984GT	CONN, 520120-16	3
32	48977GT	CONN,520120-12-16	1
33	48983GT	ELBOW,90D,520220-16	1
34	48960GT	FITTING,CONN,520120-12***	1
35	48905GT	CONNECTOR, 520120-4	5
36	48947GT	ELBOW,90D,520220-8-12	1
37	48948GT	CONN,520120-8-12	1

802.1 Function Manifold, View 2



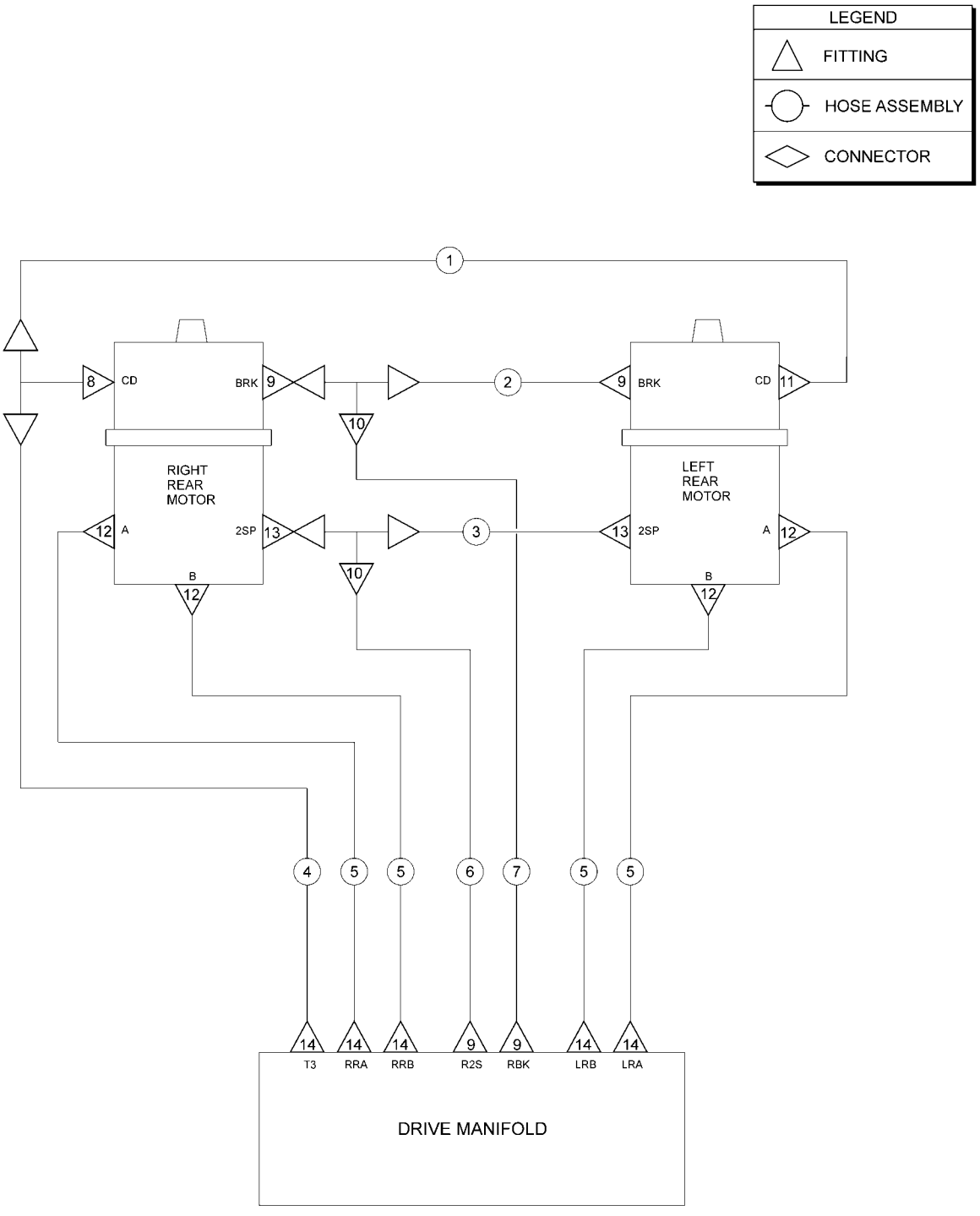
802.1 Function Manifold, View 2

Item	Part No.	Description	Qty.
1	49119-2278GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 21 inches)	2
2	49119-16178GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 160 inches)	2
3	49119-36178GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 360 inches)	1
4	49119-37678GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 375 inches)	1
5	49119-39378GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 392 inches)	2
6	49120-35381GT	HOSE ASSY 1/4, STR FEM,STR FEM (Components: 48800, 48810, 48751 @ 352 inches)	2
7	49119-38578GT	HOSE ASSY,1/4,STR FEM,STR FEM (Components: 48800, 48800, 48751 @ 384 inches)	2
8	48905GT	CONNECTOR, 520120-4	15
9	48917GT	CONN,LONG,520122-6	2
10	48890GT	FITTING,TEE,BRANCH,520429-4***	2
11	48912GT	CONN,520120-4-6***	1
12	77103GT	SLEEVE,NYLON,3.13 ID	36 inches
13	77103GT	SLEEVE,NYLON,3.13 ID	48 inches


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
ELEVATE CYLINDER
ELEVATE CYLINDER
EXTENSION CYLINDER
PRIMARY LIFT CYLINDER
MASTER CYLINDER
TO Slave Cylinder
TO Slave Cylinder
TO PLATFORM ROTATE
S1
S2
PL2
PL1
PR2
PR1
E
R
P2
P1
FUNCTION MANIFOLD

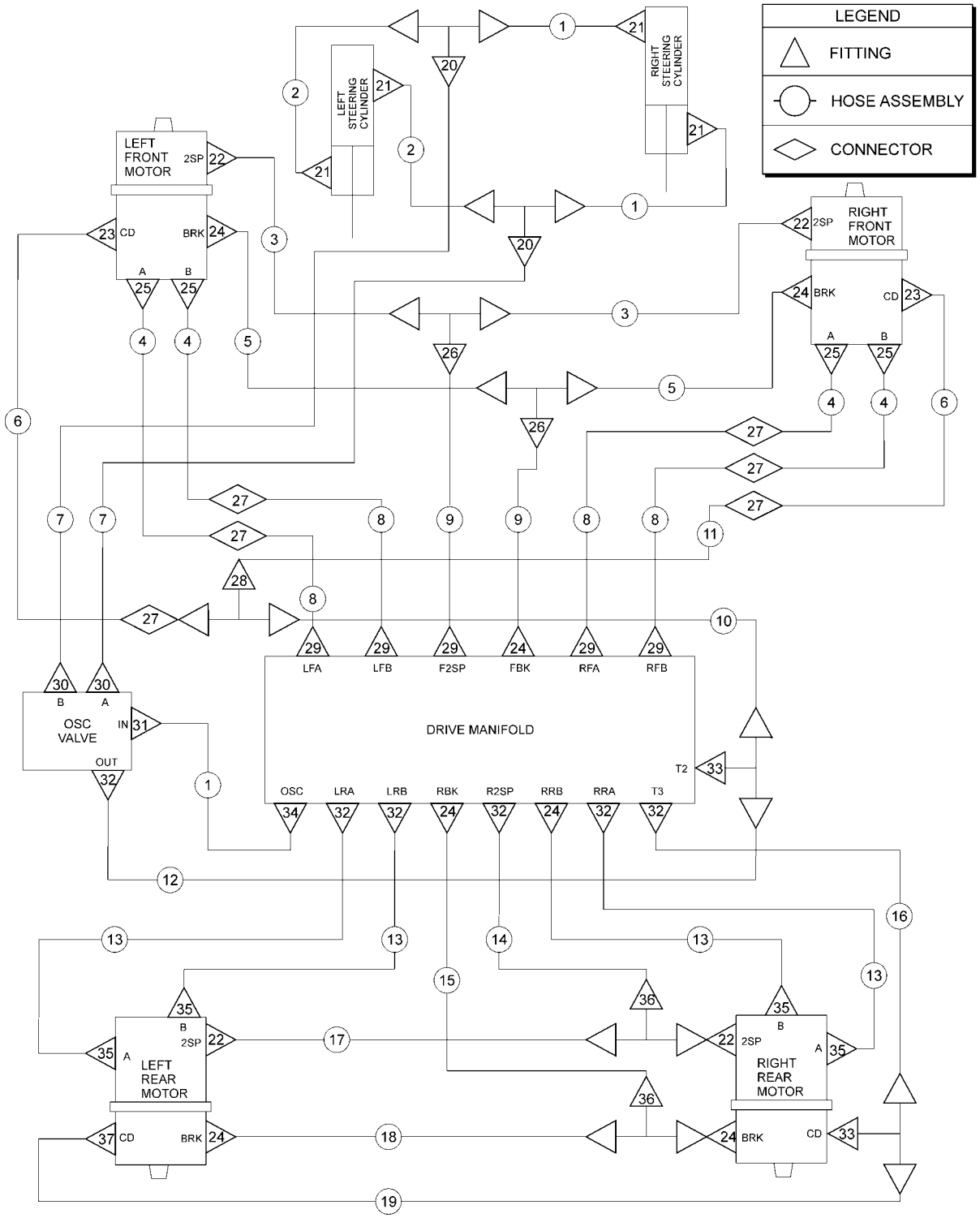
802.2 Function Manifold, View 2

Item	Part No.	Description	Qty.
A-	77103GT	SLEEVE,NYLON,3.13 ID	48 inches
B-	77103GT	SLEEVE,NYLON,3.13 ID	36 inches
1	49119-2278GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
2	49117-14391GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
3	49119-36178GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
4	49119-37678GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
5	49119-39378GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
6	49120-35381GT	HOSE ASSY 1/4, STR FEM,STR FEM	2
7	49119-38578GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
8	48905GT	CONNECTOR, 520120-4	15
9	48917GT	CONN,LONG,520122-6	2
10	48890GT	FITTING,TEE,BRANCH,520429-4***	2
11	48912GT	CONN,520120-4-6***	1

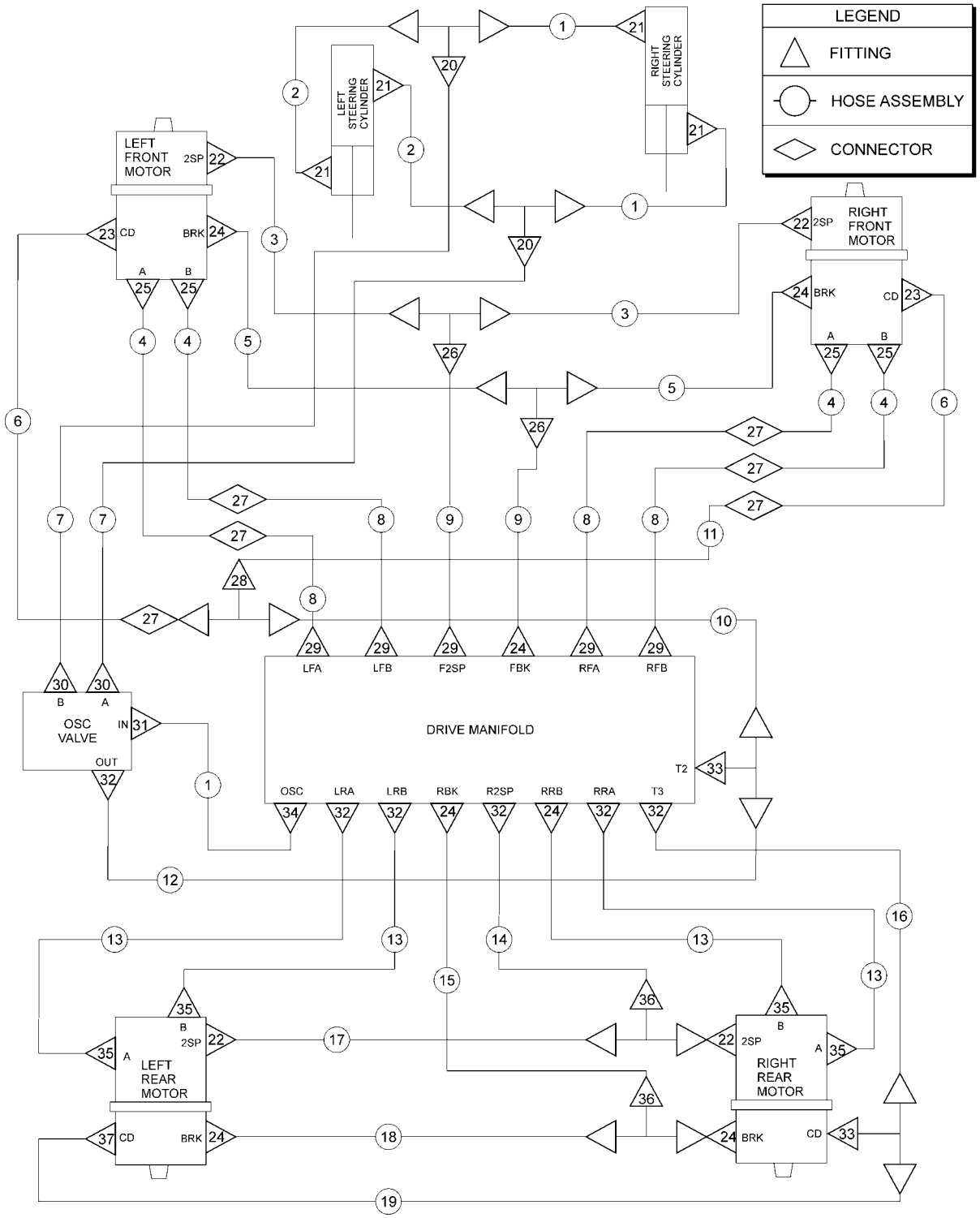

LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
1
8
CD
BRK
9
2
9
BRK
CD
11
10
RIGHT
REAR
MOTOR
LEFT
REAR
MOTOR
12
A
2SP
13
3
13
2SP
A
12
B
12
10
B
12
4
5
5
6
7
5
5
14
T3
14
RRA
14
RRB
9
R2S
9
RBK
14
LRB
14
LRA
DRIVE MANIFOLD

803.1 Drive and Steer, 2WD

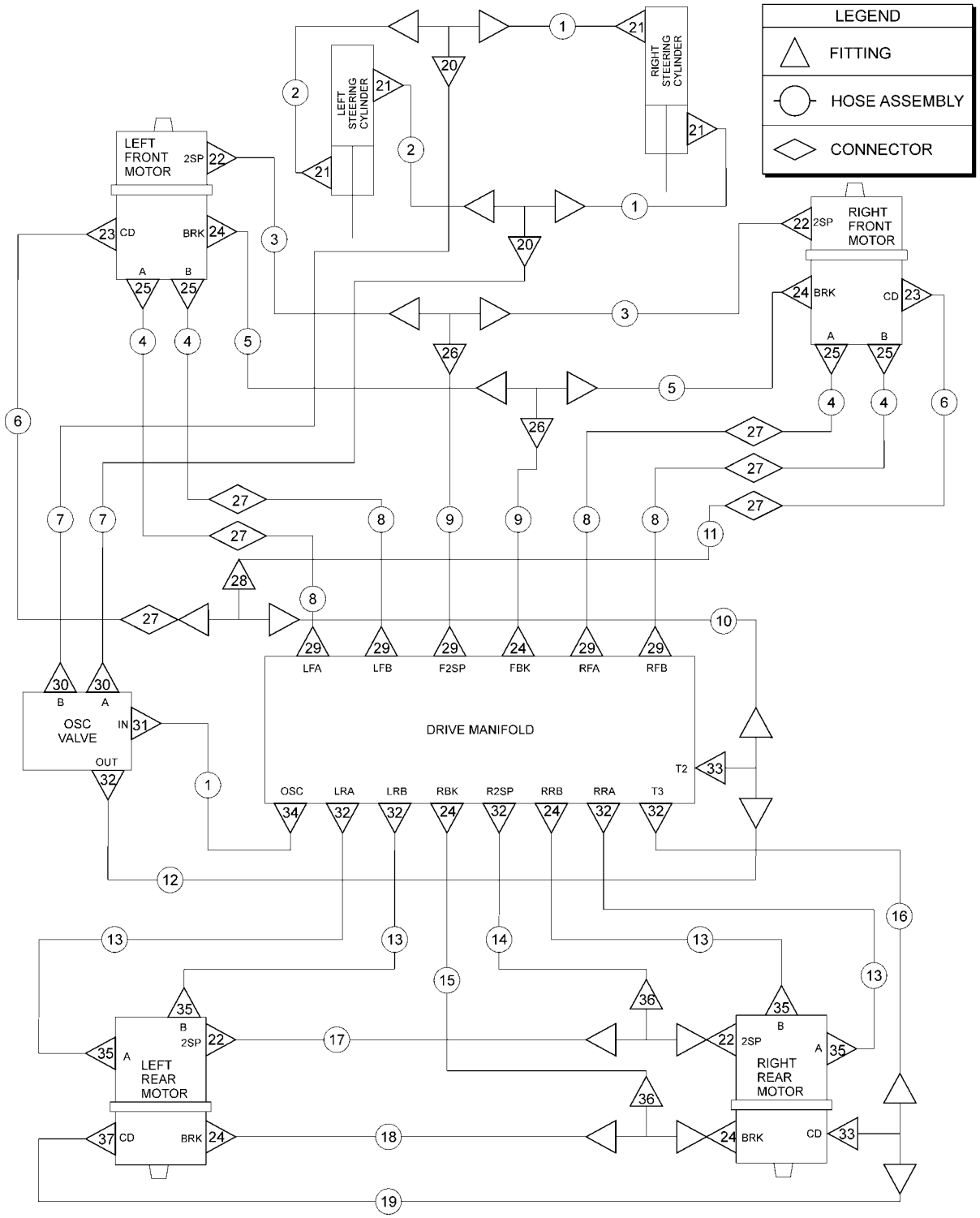
Item	Part No.	Description	Qty.
1	94464-7086GT	HOSE ASSY,1/2,90 FEM,STR FEM**	1
2	49119-6078GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
3	49119-5478GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
4	1290361-5828GT	ASSY, HOSE, AIR, -8, 300, STR, 45	1
5	81812-4892GT	HOSE ASSY,1/2,STR FEM,STR FEM	4
6	49117-4991GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
7	49117-5191GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
8	48936GT	TEE,BRANCH,520429-8	1
9	48905GT	CONNECTOR, 520120-4	4
10	48908GT	FITTING,TEE,RUN,SWIVEL520432-4	2
11	48932GT	FITTING,ELBOW,90D,520220-8***	1
12	48947GT	ELBOW,90D,520220-8-12	4
13	48911GT	ELBOW,90D,520220-4-6***	2
14	48933GT	CONN,520120-8***	5


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
LEFT STEERING CYLINDER
RIGHT STEERING CYLINDER
LEFT FRONT MOTOR
RIGHT FRONT MOTOR
DRIVE MANIFOLD
LFA
LFB
F2SP
FBK
RFA
RFB
OSC VALVE
OSC
LRA
LRB
RBK
R2SP
RRB
RRA
T3
T2
LEFT REAR MOTOR
RIGHT REAR MOTOR
2SP
CD
BRK

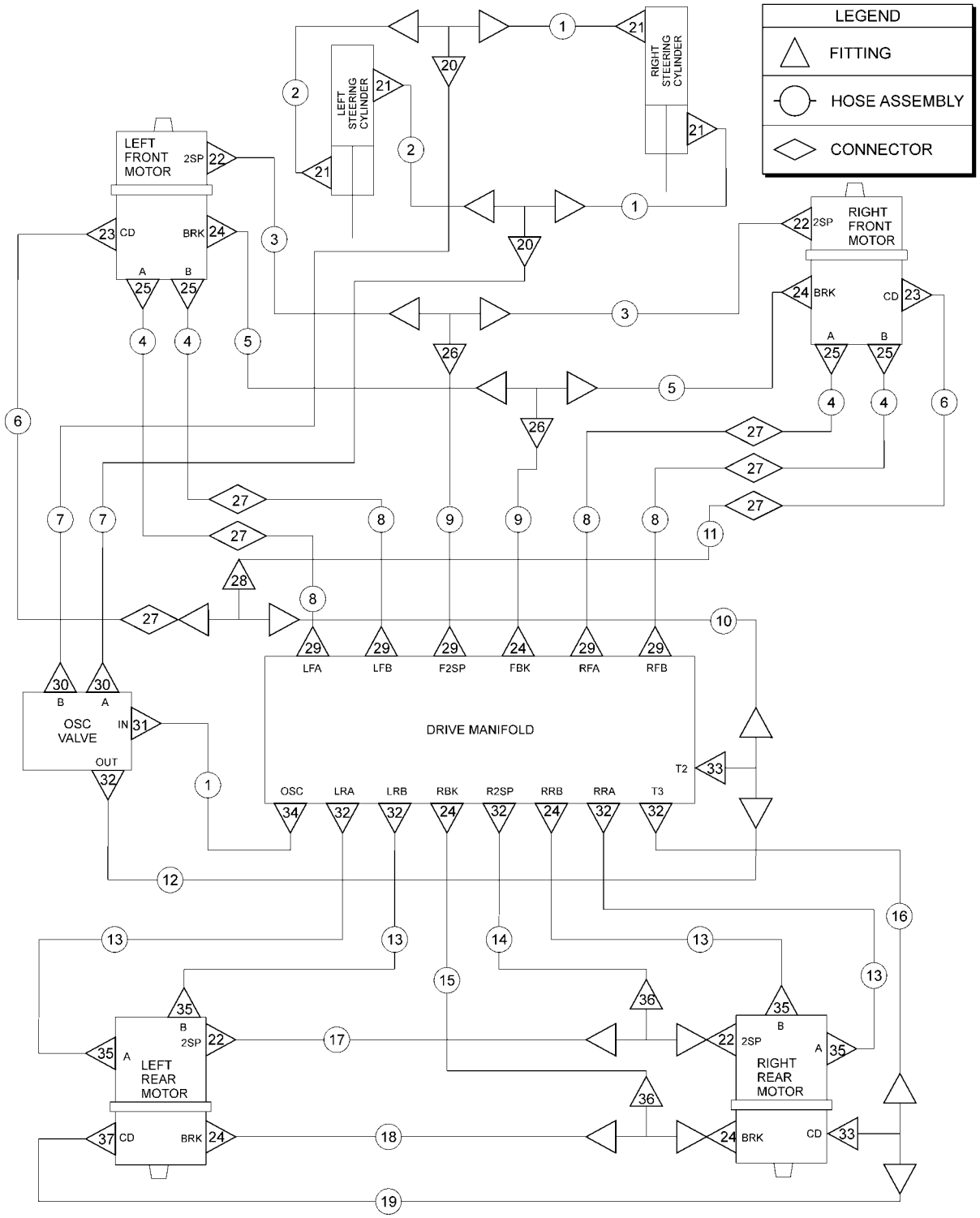
Item	Part No.	Description	Qty.
1	49117-2591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	3
2	49117-2191GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
3	49119-5578GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
4	61143-3263GT	HOSE ASSY,1/4,45 FEM,STR FEM	4
5	49117-5591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	2
6	49126-3433GT	HOSE ASSY,3/8,45 FEM,STR FEM	2
7	49116-8737GT	HOSE ASSY,1/4,45 FEM,STR FEM	2
8	77311-7156GT	HOSE ASSY,1/2,STR FEM,STR BLKH	4
9	49119-6278GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
10	1290360-8328GT	ASSY, HOSE, AIR, -6, 350, STR, STR	1
11	89554-2913GT	HOSE ASSY, 3/8" STR M,90 FM***	1
12	94464-2786GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
13	81812-4892GT	HOSE ASSY,1/2,STR FEM,STR FEM	4
14	49117-4991GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
15	49117-5191GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
16	1290361-5828GT	ASSY, HOSE, AIR, -8, 300, STR, 45	1
17	49119-5478GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
18	49119-6078GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
19	49119-7078GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
20	48909GT	TEE,BULKHEAD,RUN,520958-4	2
21	48912GT	CONN,520120-4-6***	4
22	48911GT	ELBOW,90D,520220-4-6***	4
23	48930GT	CONN,520120-6-8	2
24	48905GT	CONNECTOR, 520120-4	5
25	48948GT	CONN,520120-8-12	4
26	219993GT	TEE,BULKHEAD,04MFS-04MFS-04MFS	2
27	75574GT	NUT,BULKHEAD,520118-4	6
28	227614GT	CONN,520120-20	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
LEFT STEERING CYLINDER
RIGHT STEERING CYLINDER
LEFT FRONT MOTOR
RIGHT FRONT MOTOR
DRIVE MANIFOLD
OSC VALVE
LFA
LFB
F2SP
FBK
RFA
RFB
OSC
LRA
LRB
RBK
R2SP
RRB
RRA
T3
T2
LEFT REAR MOTOR
RIGHT REAR MOTOR
2SP
CD
BRK

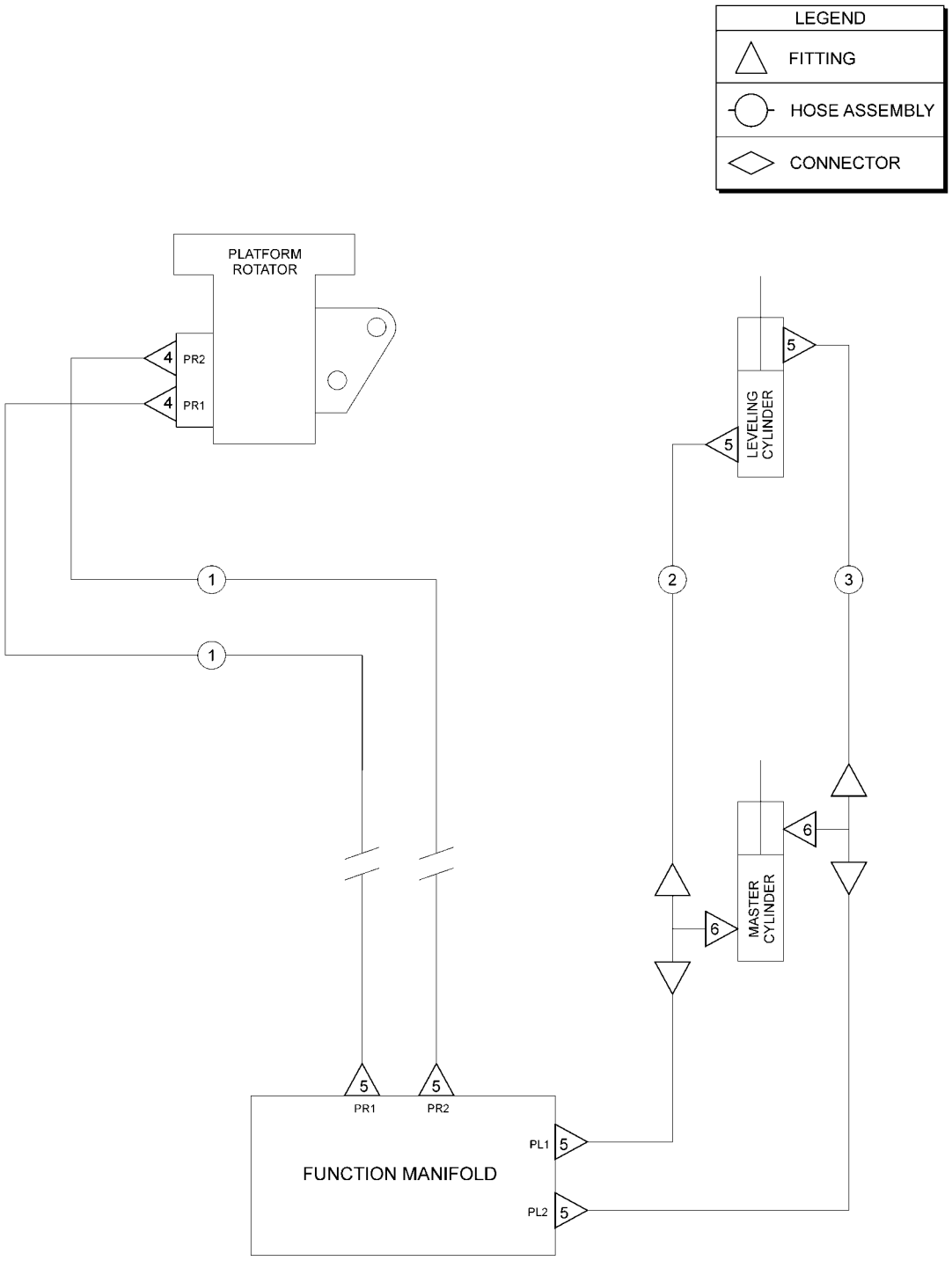
Item	Part No.	Description	Qty.
29	48937GT	ELBOW,45D,520320-8	5
30	49418GT	FITTING,ELBOW,45D,520320-4-6**	2
31	48914GT	CONN,520120-4-8	1
32	48933GT	CONN,520120-8***	6
33	48936GT	TEE,BRANCH,520429-8	2
34	48904GT	ELBOW, 90D, 520220-4	1
35	48947GT	ELBOW,90D,520220-8-12	4
36	48908GT	FITTING,TEE,RUN,SWIVEL520432-4	2
37	48932GT	FITTING,ELBOW,90D,520220-8***	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
LEFT STEERING CYLINDER
RIGHT STEERING CYLINDER
LEFT FRONT MOTOR
RIGHT FRONT MOTOR
DRIVE MANIFOLD
LFA
LFB
F2SP
FBK
RFA
RFB
OSC VALVE
OSC
LRA
LRB
RBK
R2SP
RRB
RRA
T3
LEFT REAR MOTOR
RIGHT REAR MOTOR
2SP
CD
BRK

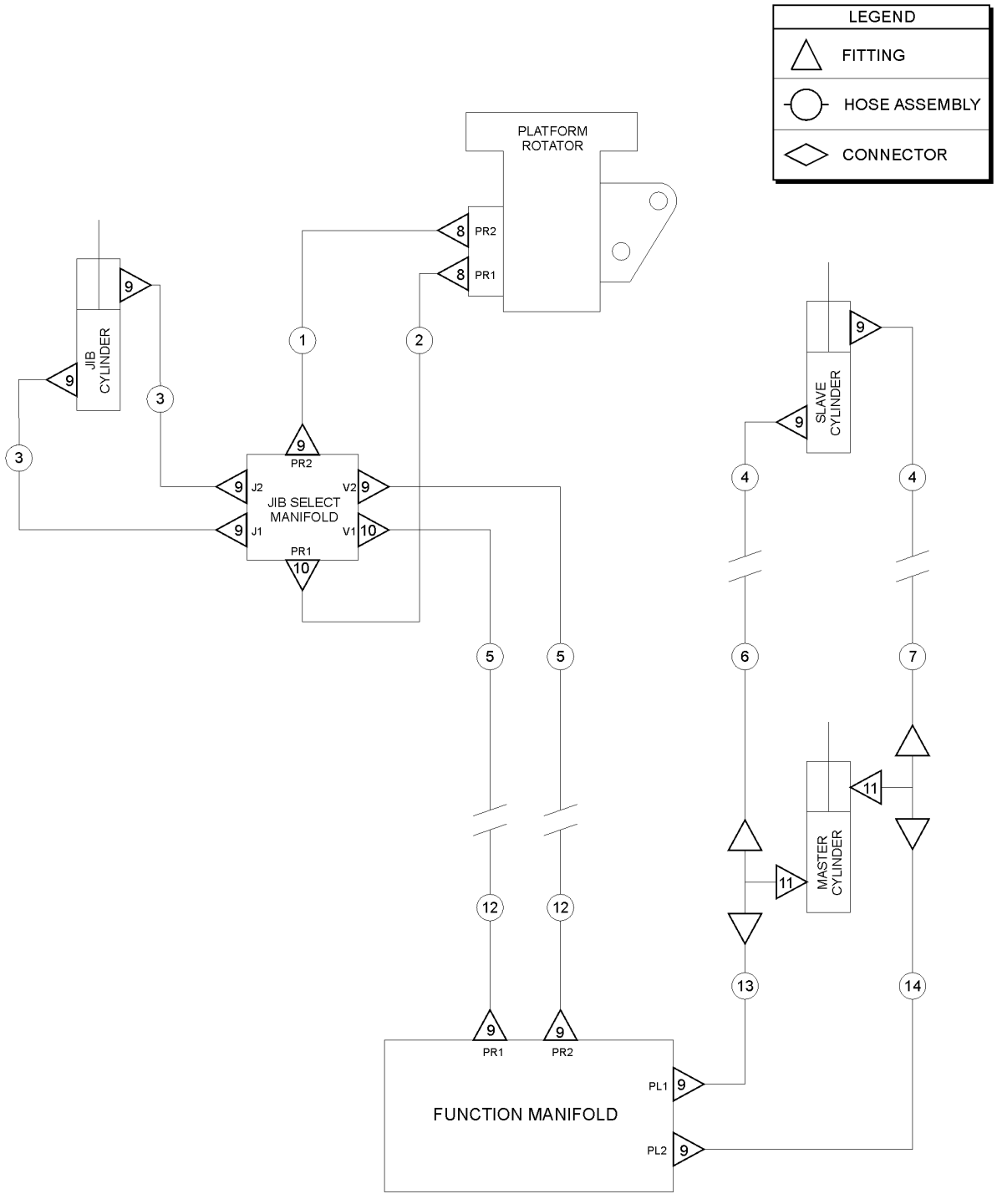
Item	Part No.	Description	Qty.
1	49117-2591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	3
2	49117-2191GT	HOSE ASSY,1/4,90 FEM,STR FEM	2
3	49119-5578GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
4	61143-3263GT	HOSE ASSY,1/4,45 FEM,STR FEM	4
5	49117-5591GT	HOSE ASSY,1/4,90 FEM,STR FEM**	2
6	49126-3433GT	HOSE ASSY,3/8,45 FEM,STR FEM	2
7	49116-8737GT	HOSE ASSY,1/4,45 FEM,STR FEM	2
8	77311-7156GT	HOSE ASSY,1/2,STR FEM,STR BLKH	4
9	49119-6278GT	HOSE ASSY,1/4,STR FEM,STR FEM	2
10	1290360-8328GT	ASSY, HOSE, AIR, -6, 350, STR, STR	1
11	89554-2913GT	HOSE ASSY, 3/8" STR M,90 FM***	1
12	94464-2786GT	HOSE ASSY,1/2,90 FEM,STR FEM	1
13	81812-4892GT	HOSE ASSY,1/2,STR FEM,STR FEM	4
14	49117-4991GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
15	49117-5191GT	HOSE ASSY,1/4,90 FEM,STR FEM**	1
16	1290361-5828GT	ASSY, HOSE, AIR, -8, 300, STR, 45	1
17	49119-5478GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
18	49119-6078GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
19	49119-7078GT	HOSE ASSY,1/4,STR FEM,STR FEM	1
20	48909GT	TEE,BULKHEAD,RUN,520958-4	2
21	48912GT	CONN,520120-4-6***	4
22	48911GT	ELBOW,90D,520220-4-6***	4
23	48930GT	CONN,520120-6-8	2
24	48905GT	CONNECTOR, 520120-4	5
25	48948GT	CONN,520120-8-12	4
26	219993GT	TEE,BULKHEAD,04MFS-04MFS-04MFS	2
27	75574GT	NUT,BULKHEAD,520118-4	6
28	227614GT	CONN,520120-20	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
LEFT STEERING CYLINDER
RIGHT STEERING CYLINDER
LEFT FRONT MOTOR
RIGHT FRONT MOTOR
LEFT REAR MOTOR
RIGHT REAR MOTOR
DRIVE MANIFOLD
OSC VALVE
2SP
CD
BRK
A
B
IN
OUT
LFA
LFB
F2SP
FBK
RFA
RFB
OSC
LRA
LRB
RBK
R2SP
RRB
RRA
T3
T2

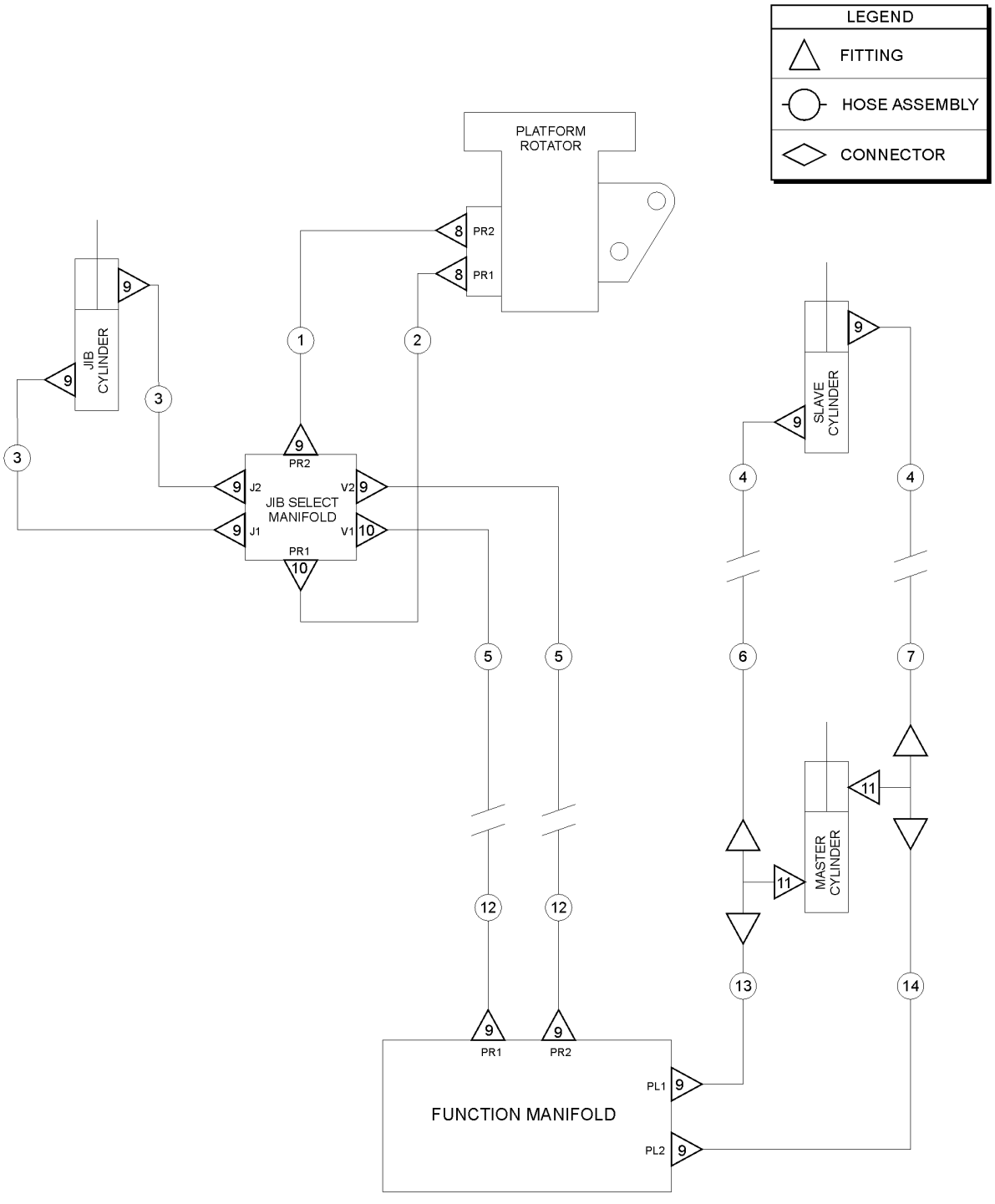
Item	Part No.	Description	Qty.
29	48937GT	ELBOW,45D,520320-8	5
30	49418GT	FITTING,ELBOW,45D,520320-4-6**	2
31	48914GT	CONN,520120-4-8	1
32	48933GT	CONN,520120-8***	6
33	48936GT	TEE,BRANCH,520429-8	2
34	48904GT	ELBOW, 90D, 520220-4	1
35	48947GT	ELBOW,90D,520220-8-12	4
36	48908GT	FITTING,TEE,RUN,SWIVEL520432-4	2
37	48932GT	FITTING,ELBOW,90D,520220-8***	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
PLATFORM ROTATOR
4 PR2
4 PR1
1
1
5
LEVELING CYLINDER
5
2
3
6
MASTER CYLINDER
6
5 PR1
5 PR2
FUNCTION MANIFOLD
PL1 5
PL2 5

Item	Part No.	Description	Qty.
A-	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for items 2 and 3	23 inches
1	49121-25688GT	HOSE ASSY 1/4,STR FEM,STR MALE (components: 42768, 48800, 48751 @ 255 inches)	2
2	49119-26078GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 259 inches)	1
3	49119-27478GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 273 inches)	1
4	48907GT	ELBOW,45D,520320-4	2
5	48905GT	CONNECTOR, 520120-4	4
6	48890GT	FITTING,TEE,BRANCH,520429-4***	2

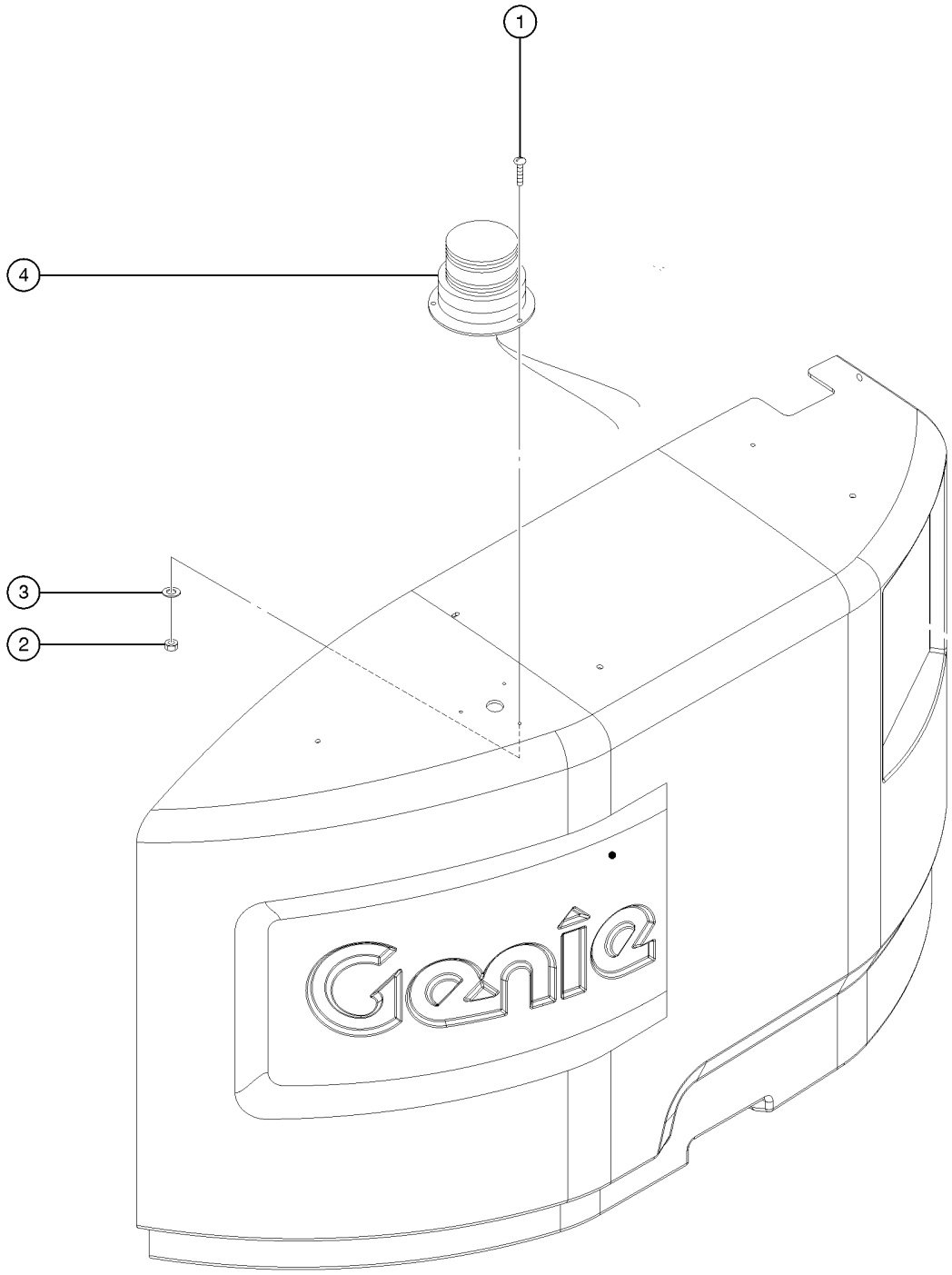

LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
PLATFORM ROTATOR
8 PR2
8 PR1
1
2
9
JIB CYLINDER
9
3
3
9 PR2
9 J2
V2 9
JIB SELECT MANIFOLD
9 J1
V1 10
PR1 10
5
5
12
12
9 PR1
9 PR2
FUNCTION MANIFOLD
PL1 9
PL2 9
9
SLAVE CYLINDER
9
4
4
6
7
11
MASTER CYLINDER
11
13
14

Item	Part No.	Description	Qty.
A-	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for item 4	23 inches
B-	48767GT	SLEEVE,NYLON,1.42 ID for item 6 and 7	7 inches
1	49119-2374GT	ASSY, HOSE, HYD, -4, 3250, STR, STR	1
2	49119-2224GT	ASSY, HOSE, HYD, -4, 3250, STR, STR	1
3	49119-4178GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 40 inches)	2
4	49121-2088GT	HOSE ASSY 1/4,STR FEM,STR MALE (components: 42768, 48800, 48751 @ 19 inches)	2
5	49121-27788GT	HOSE ASSY 1/4,STR FEM,STR MALE (components: 42768, 48800, 48751 @ 276 inches)	2
6	49119-20578GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 204 inches)	1
7	49119-21878GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 217 inches)	1
8	48907GT	ELBOW,45D,520320-4	2
9	48905GT	CONNECTOR, 520120-4	8
10	48904GT	ELBOW, 90D, 520220-4	2
11	48890GT	FITTING,TEE,BRANCH,520429-4***	2
12		REF: Hydraulic Hose Assembly refer to 802.1	2
13		REF: Hydraulic Hose Assembly refer to 802.1	1
14		REF: Hydraulic Hose Assembly refer to 802.1	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
PLATFORM ROTATOR
8 PR2
8 PR1
1
2
9
JIB CYLINDER
9
3
3
9 PR2
9 J2
V2 9
JIB SELECT MANIFOLD
9 J1
V1 10
PR1 10
5
5
12
12
9 PR1
9 PR2
FUNCTION MANIFOLD
PL1 9
PL2 9
9
SLAVE CYLINDER
9
4
4
6
7
11
MASTER CYLINDER
11
13
14

Item	Part No.	Description	Qty.
A-	28678GT	SLEEVE,NYLON,2"I.D.,BULK(100') for item 4	23 inches
B-	48767GT	SLEEVE,NYLON,1.42 ID for item 6 and 7	7 inches
1	49119-2374GT	ASSY, HOSE, HYD, -4, 3250, STR, STR	1
2	49119-2224GT	ASSY, HOSE, HYD, -4, 3250, STR, STR	1
3	49119-4178GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 40 inches)	2
4	49121-2088GT	HOSE ASSY 1/4,STR FEM,STR MALE (components: 42768, 48800, 48751 @ 19 inches)	2
5	49121-27788GT	HOSE ASSY 1/4,STR FEM,STR MALE (components: 42768, 48800, 48751 @ 276 inches)	2
6	49119-20578GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 204 inches)	1
7	49119-21878GT	HOSE ASSY,1/4,STR FEM,STR FEM (components: 48800, 48800, 48751 @ 217 inches)	1
8	48907GT	ELBOW,45D,520320-4	2
9	48905GT	CONNECTOR, 520120-4	8
10	48904GT	ELBOW, 90D, 520220-4	2
11	48890GT	FITTING,TEE,BRANCH,520429-4***	2
12		REF: Hydraulic Hose Assembly refer to 802.1	2
13		REF: Hydraulic Hose Assembly refer to 802.1	1
14		REF: Hydraulic Hose Assembly refer to 802.1	1

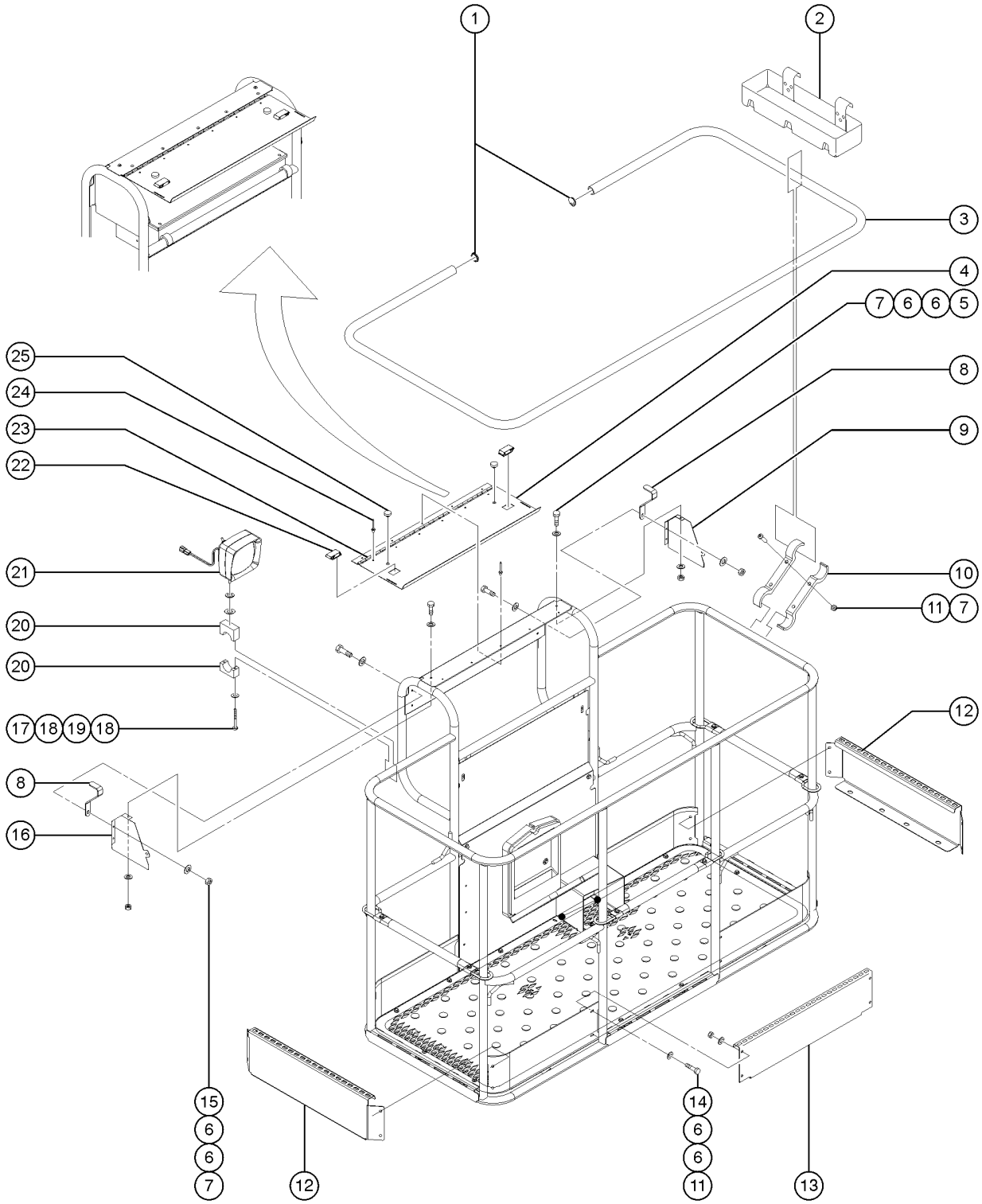
901.1 Flashing Alarm Package



901.1 Flashing Alarm Package

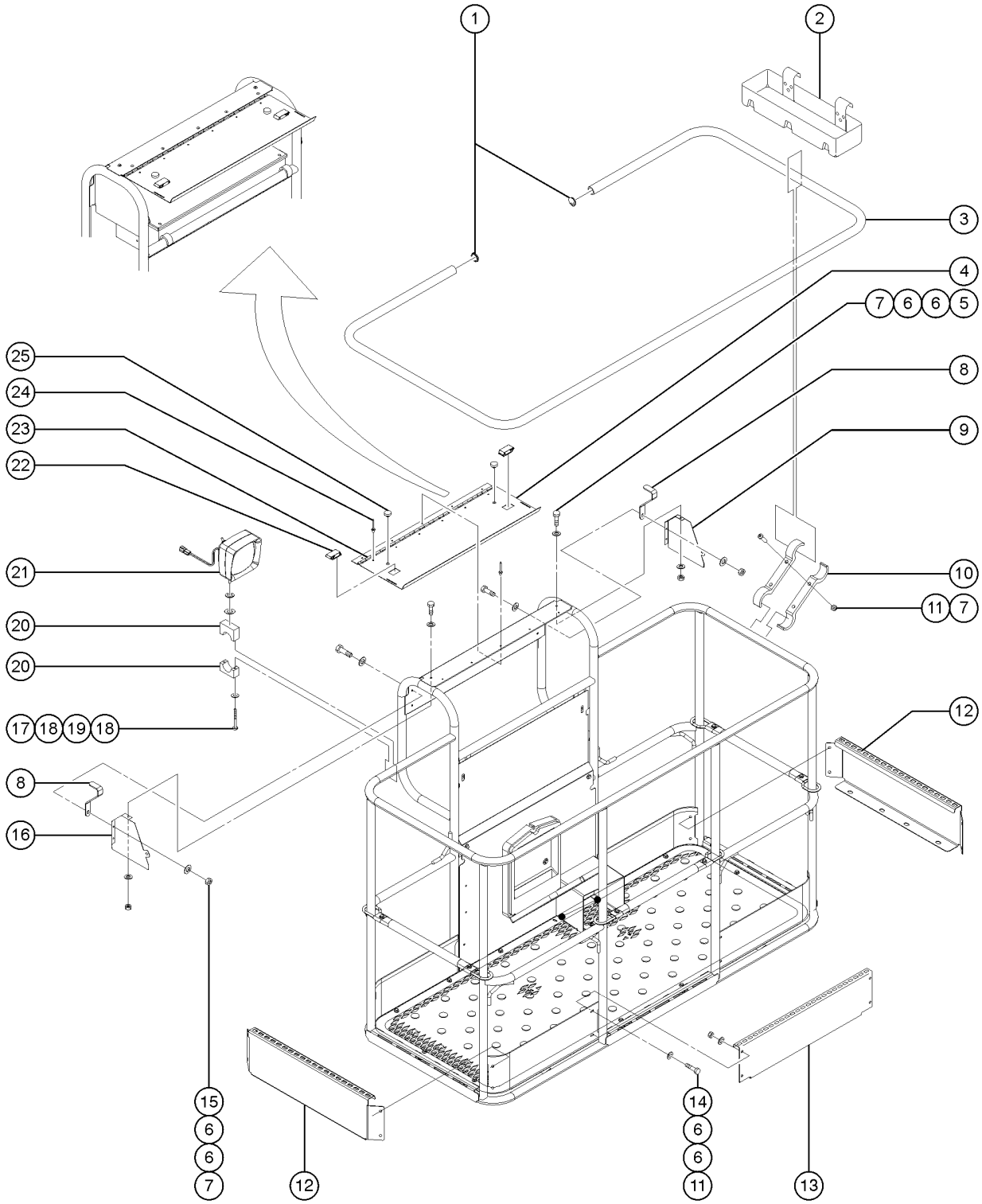
Item	*Part No.*	*Description*	*Qty.*
1	49817GT	SCREW,PHILLIPS,PHM,10-32 X1.25	3
2	6178GT	NUT, NYLOCK, 10-32	3
3	6146GT	WASHER,FLAT,MS,#10,Y	3
4	56704GT	STROBE,FIREBOLT,12-80VDC,AMB**	1
4-	122019GT	FLASHTUBE,U SHAPED,360DEG,BULB	
4-	226393GT	FLASHTUBE,STRAIGHT,360DEG,BULB	
4-	72282GT	LENS,AMBER,STROBE,FIREBOLT	

902.1 Platform Options



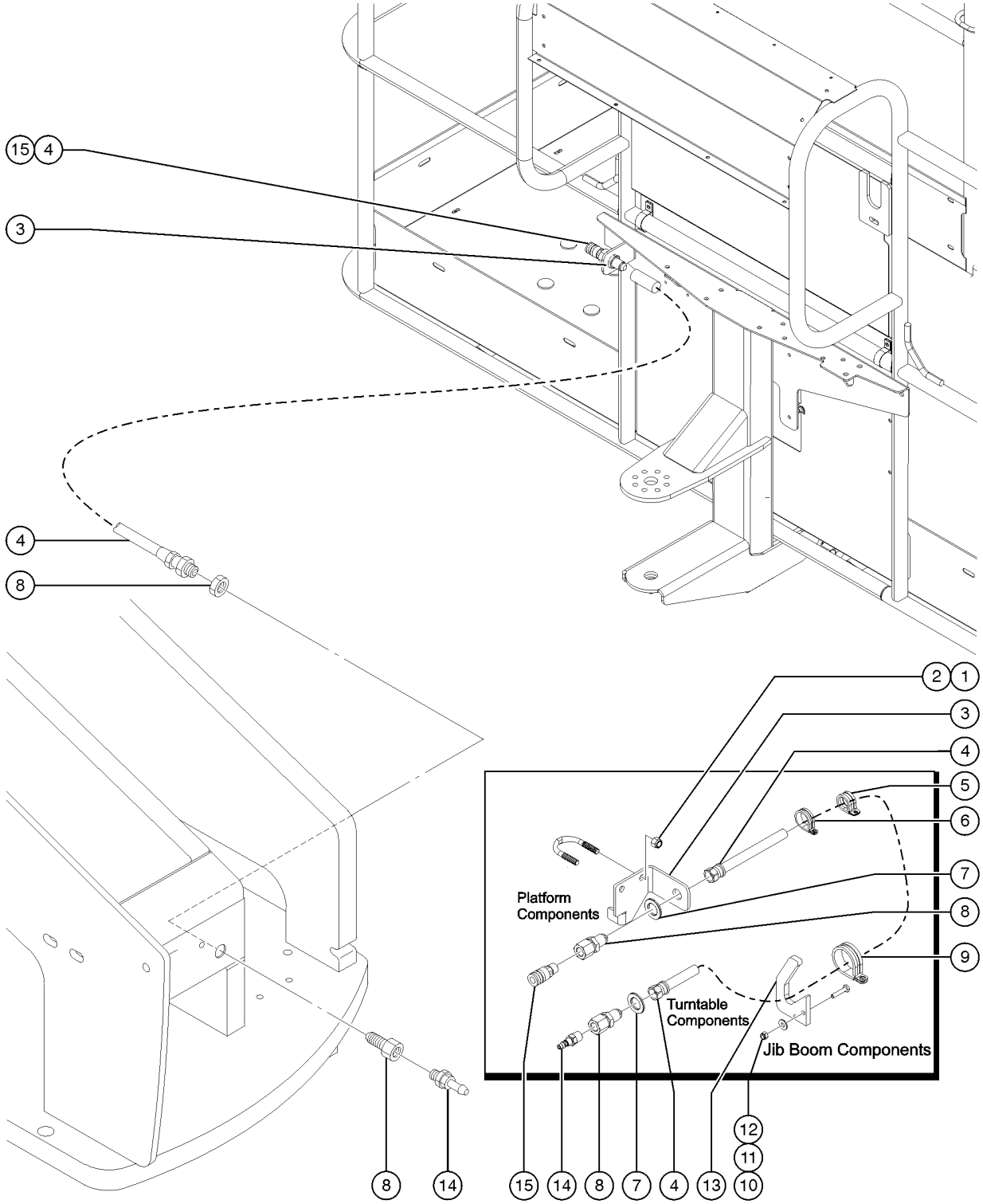
Item	Part No.	Description	Qty.
A	219684GT	HARN,DRIVE LIGHTS,Z45/Z51	
1	55753GT	BUMPER, PLASTIC, 1.25 O.D.	2
2	9599-SGT	TOOL TRAY ACCESSORY***	1
2-	7746PGT	TOOL TRAY BRACKET (GRAY)	
3A	1259704GT	PINCH GUARD RAIL,6' PLATFORM includes 55753 bumpers	1
3B	111485PGT	AUX TOP RAIL,6FT,PTD models with swing gate	1
4	102785PGT	CONTROL BOX COVER,LID,PTD	1
5	6090GT	SCREW, HHC, 1/4-20 X .75	
6	6638GT	WASHER, FLAT, USS, 1/4"Y	
7	6889GT	NUT,LP NYLOCK,1/4-20	
8	102786PGT	FORMING,LATCH,CTRL BOX LID PTD	2
9	88607PGT	COVER,CONTROL BOX LEFT SIDE***	1
10	122073GT	SUPPORT, RAILING	20
11	122231GT	SCREW,BHSC,1/4-20 X 1	
12	139438GT	TOEBOARD, TRI ENTRY 6', EURO	2
13	94745PGT	TOEBOARD,ENTRY EUROPEAN PNTD**	1
14	6091GT	NUT,NYLOCK,1/4-20	
15	6888GT	SCREW, HHC, 1/4-20 X 1	
16	88606PGT	COVER,CONTROL BOX RIGHT SIDE**	1
17	6145GT	SCREW, HHC, 1/4-20 X 1.5	
18	6356GT	WASHER, LOCK, .25	
19	5397GT	WASHER, FLAT, USS, 5/16-18	
20	35956GT	WORK LIGHT MOUNTING BRACKET	2
21	71498GT	WORKLIGHT, 12V, DEUTSCH RECEPT	2
21-	T114627GT	HARNESS,12V WORK LIGHTS	
21-	160554GT	HARN,CABLE,WORK LIGHTS,Z45	
21-	219685GT	HARNESS,RELAY,LIGHT PKG,Z45/51	
21-	53517GT	GROMMET,RUBBER .5 X .014 X .75	

902.1 Platform Options



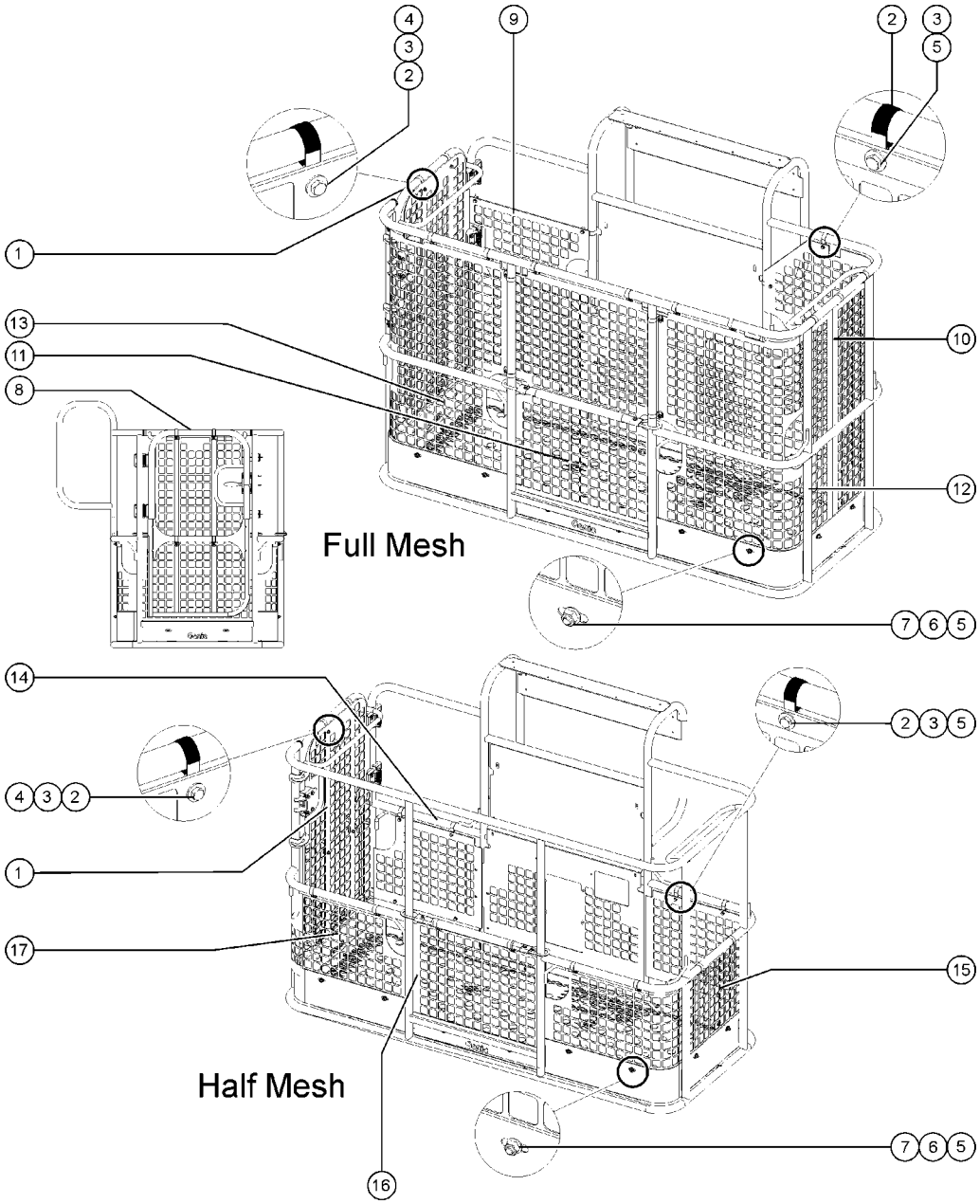
Item	*Part No.*	*Description*	*Qty.*
21-	10107GT	SCREW,HHC,5/16-18 X .75	2
22	30468GT	LATCH,SLIDE, FLUSH MOUNT STYLE	2
23	111526GT	HINGE,PLAT CONTROL BOX COVER	1
24	54486GT	RIVET,ALUM,ALUM,3/16BUTTONHEAD	
25	43392GT	BUMPER,BATTERY BOX & RAILS	2

903.1 Air Line to Platform



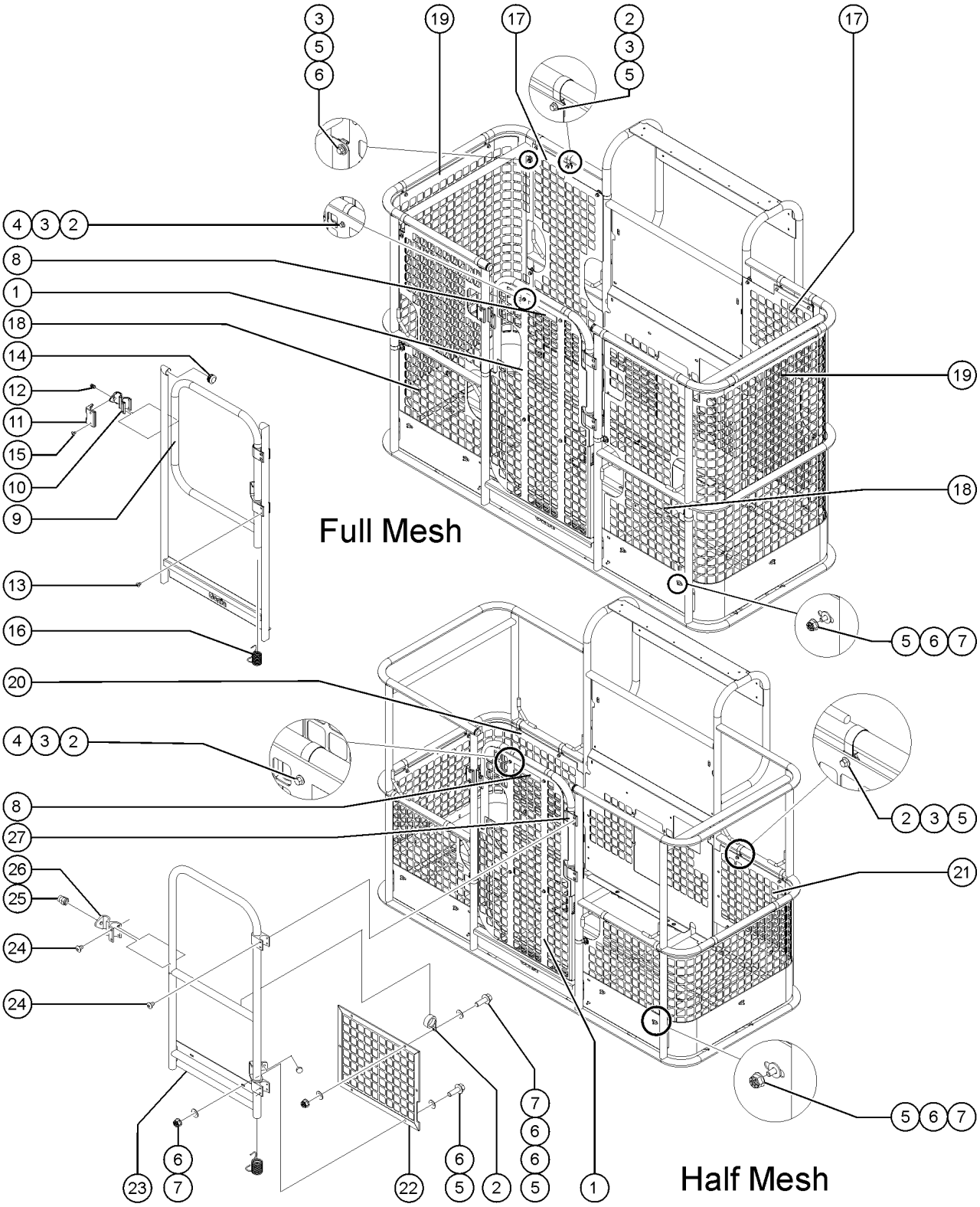
Item	Part No.	Description	Qty.
A-		DECAL,LABEL,AIRLINE 110 PSI refer to 101.1	
B-	110149GT	CABLE TIE,DFT MOUNT,BLK,6.5"	4
1	4828GT	NUT, NYLOCK, 3/8-16	
2	122755GT	UBOLT,FLATTENED,1.5DIAX3/8 UNC	1
3	70642PGT	BRACKET,AIR HOSE TO PLAT PAINT	1
4	70644-75792GT	HOSE ASSY,3/8 STR FEM STR FEM*	1
4-	16073GT	CLAMP,0.63,#10 X 1/4,RUB CUSH	
5	13268GT	CLAMP,0.75,#12 X 1/4,RUB CUSH	6
6	45454GT	CLAMP,0.75,#12 X 3/8,RUB CUSH*	6
7	33278GT	WASHER, FLAT, .75 HARDENED	2
8	49212GT	FEMALE BULKHEAD CONNECTOR-8	2
9	66031GT	CLAMP,1.88,#30 X 3/8,RUB CUSH Jib models only	2
10	6091GT	NUT,NYLOCK,1/4-20 Jib models only	
11	6638GT	WASHER, FLAT, USS, 1/4"Y Jib models only	
12	8915GT	SCREW, HHC, 1/4-20 X 1.25 Jib models only	
13	128482GT	HOSE GUIDE, JIB Jib models only	1
14	49214GT	MALE PIPE THD,1/4" SER,3/8"X18	1
15	49215GT	MPT,CPLR,1/4"SER,3/8"X18	1

904.1 Platform Mesh-Side Swing Gate



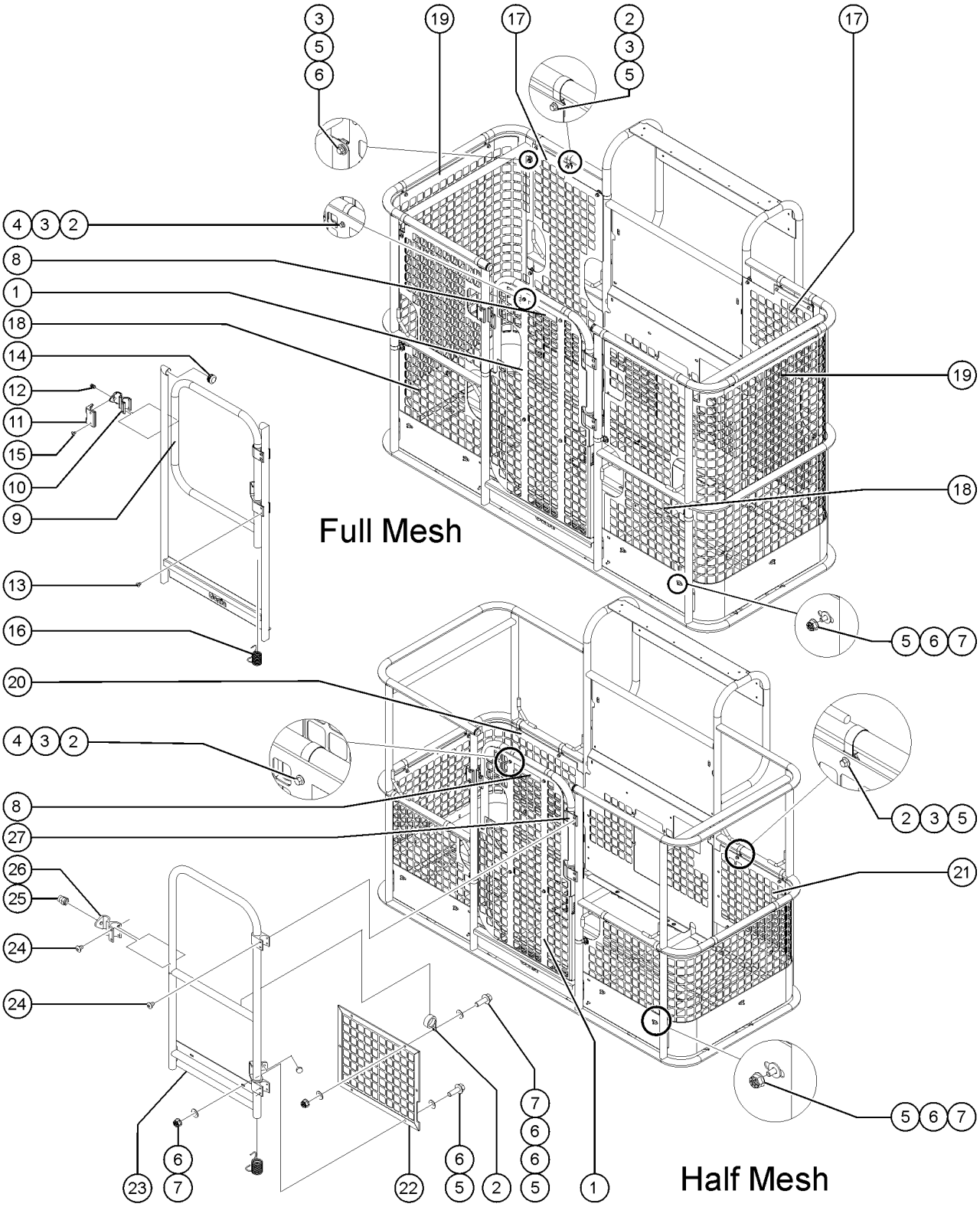
Item	Part No.	Description	Qty.
-	1286622GT	KIT, 6' FULL MESH,SIDE GATE	
-	1275282GT	KIT, 6' HALF MESH,SIDE GATE	
1	1278793GT	WELDMENT,PLATFORM MESH GATE	1
2	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	
3	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
4	824079GT	SCREW,HHF,1/4-20X1,8,ZAG	
5	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
6	824113GT	WASHER,FLAT,USS,1/4,ZAG	
7	1277924GT	NUT,NYLOCK FLG,1/4-20,F,ZAG	
8	1282390GT	LABEL, LIFT GUARD, PLATFORM MESH	1
A		FULL MESH	
9	1282204GT	MESH, 6' FULL,BACK LEFT 6 feet platform	1
10	1282205GT	MESH, 6' FULL,BACK RIGHT 6 feet platform	1
11	1278792GT	MESH, FULL HEIGHT,ENTRY 6 feet platform	1
12	1282206GT	MESH, 6' FULL,FRONT RIGHT 6 feet platform	1
13	1282207GT	MESH, 6' FULL,FRONT LEFT 6 feet platform	1
B		HALF MESH	
14	1270314GT	PANEL, HALF MESH 6 feet platform	1
15	1270313GT	PANEL, HALF MESH 6 feet platform	1
16	1271061GT	PANEL, HALF MESH 6 feet platform	1
17	1270316GT	PANEL, HALF MESH 6 feet platform	1

904.2 Platform Mesh-Front Single Entry



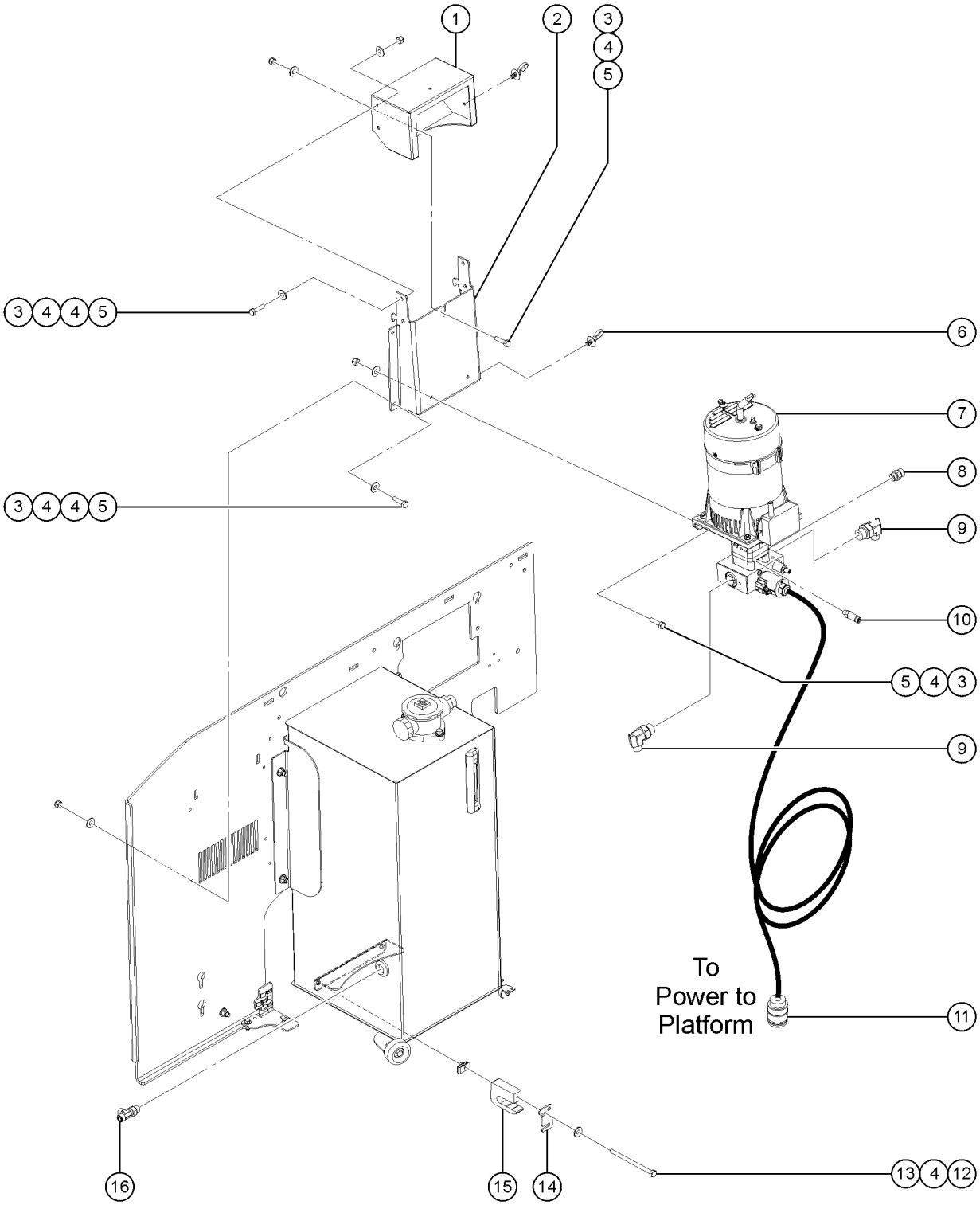
Item	Part No.	Description	Qty.
-	1290895GT	KIT, 6' FULL MESH W/FRONT HALF GATE	
-	1290893GT	KIT, 6' HALF MESH W/FRONT HALF GATE	
-	1290135GT	KIT,HALF FRONT,SWING GATE (Includes items 9-16)	
-	128368GT	KIT,SWING GATE W/SPRING (Includes items 23) (doesn't include 63311, 1487, and 1488) (Replacement Kit Only)	1
1	1278793GT	WELDMENT,PLATFORM MESH GATE	1
2	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	
3	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
4	824079GT	SCREW,HHF,1/4-20X1,8,ZAG	
5	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
6	824113GT	WASHER,FLAT,USS,1/4,ZAG	
7	1277924GT	NUT,NYLOCK FLG,1/4-20,F,ZAG	
8	1282390GT	LABEL, LIFT GUARD, PLATFORM MESH	1
9	1283880GT	WELDMENT,ALUM HALF GATE	1
10	1487GT	GATE LATCH CASTING--DRILLED	1
11	1488GT	RAILING CATCH CASTING--DRILLED	1
12	33674GT	PIN,LOCK,SHORT***	1
13	43392GT	BUMPER,BATTERY BOX & RAILS	1
14	55753GT	BUMPER, PLASTIC, 1.25 O.D.	3
15	824207GT	RIVET, STL, STL, DOME, 1/4 X .375, ZAG	14
16	42104GT	SPRING,SHORT PLATFORM GATE	1
A		FULL MESH	
17	1291429GT	MESH, FULL 6',BACK PANEL 6 feet platform	2
18	1291430GT	MESH, FULL 6',FRONT PANEL 6 feet platform	2
19	1291428GT	MESH, FULL 6',SIDE PANEL 6 feet platform	2
B		HALF MESH	
20	101852GT	MESH,HALF,LH 5' PLATFORM 5 feet platform	
21	101853GT	MESH,HALF,RH 5' PLATFORM 5 feet platform	
		FULL GATE	

904.2 Platform Mesh-Front Single Entry



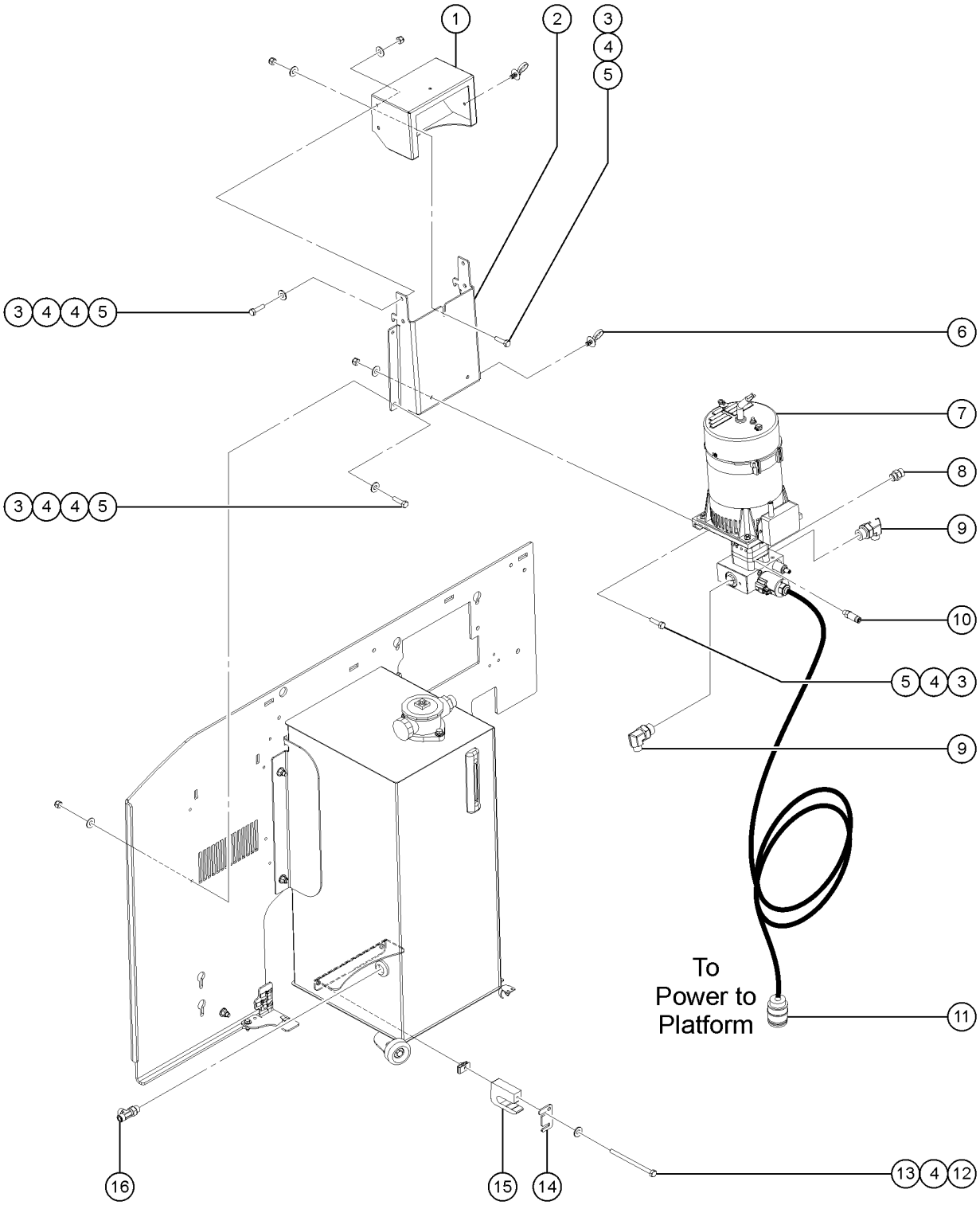
Item	*Part No.*	*Description*	*Qty.*
22	54457GT	MESH,HALF,SWING GATE***	1
23	128374GT	WELDMENT,SWING GATE,ALUMINUM	
23-	42104GT	SPRING,SHORT PLATFORM GATE	
23-	43392GT	BUMPER,BATTERY BOX & RAILS	
24	824207GT	RIVET, STL, STL, DOME, 1/4 X .375, ZAG	
25	63311GT	SNAP PIN	
26	1487GT	GATE LATCH CASTING--DRILLED	
27	1488GT	RAILING CATCH CASTING--DRILLED	

905.1 Hydraulic Generator

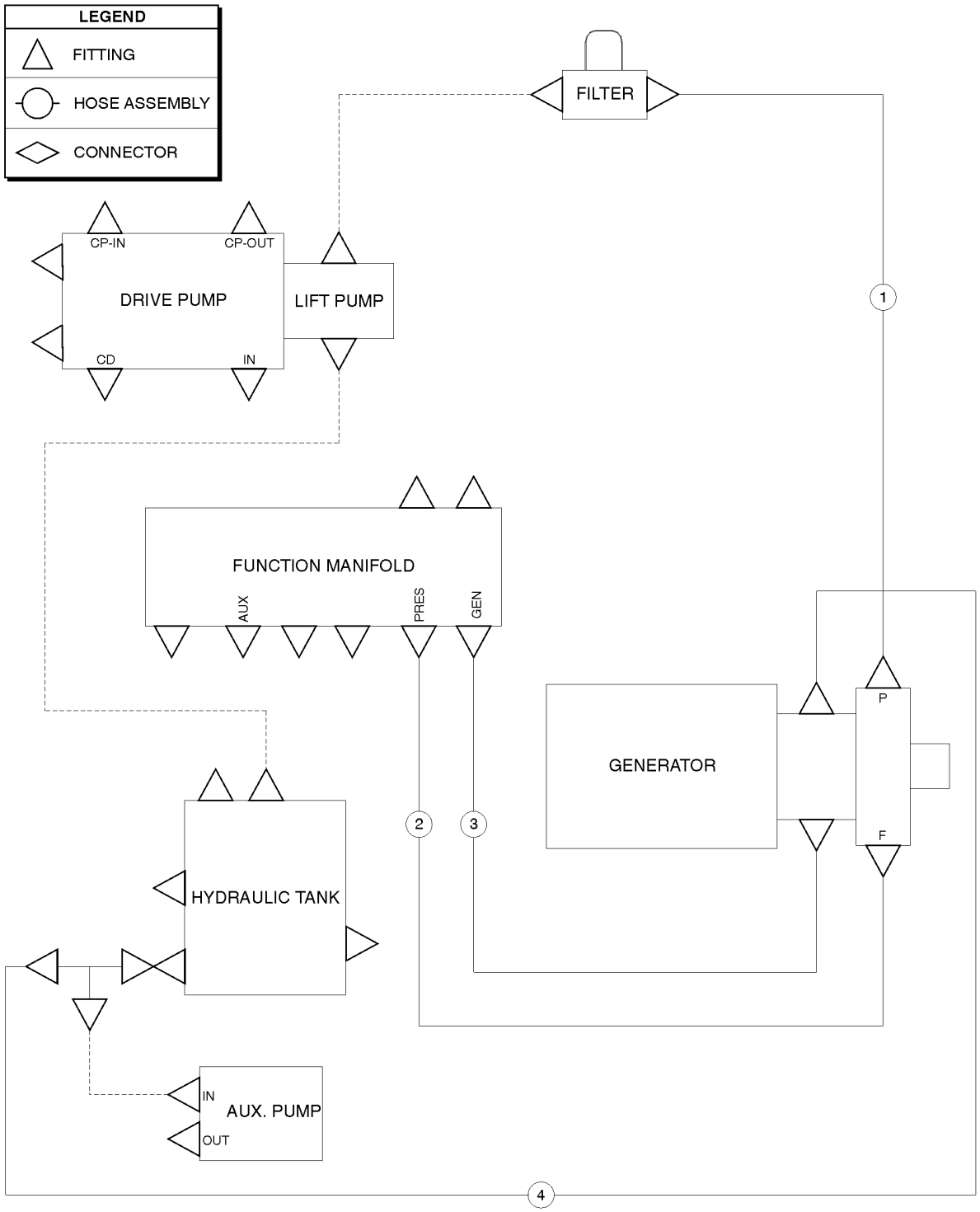


Item	Part No.	Description	Qty.
1	160358GT	COVER,GENERATOR	1
2	231570GT	FORMING,GENERATOR MOUNT	1
3	1264101GT	SCREW,HHC,5/16-18X1,8,ZAG	
4	824113GT	WASHER,FLAT,USS,1/4,ZAG	
5	824028GT	NUT,TL FLG,5/16-18,G,ZAG	
6	110149GT	CABLE TIE,DFT MOUNT,BLK,6.5"	6
7A	147265GT	GENERATOR, 2kW, 120V/60Hz 120V/60Hz	1
7A-	1269694GT	CONTROL BOX,2KW,120/240V,60HZ for 147265	
7A-	147280GT	BREAKER, 20AMP CIRCUIT, GEN for 147265	
7A-	1285230GT	CAPACITOR 12.5µF, GEN for 147265	
7A-	119067GT	CONN, RECEP, 4 WAY, DEUTSCH, DT, ENDCAP for 147265	
7A-	64260GT	TERM,NI PIN,16-18 BULK for 147265	A
7A-	60443GT	LOCK, RECEP 4WAY, 14-18GA for 147265	
7A-	147229GT	MANIFOLD ASSEMBLY, GEN for 147265	
7A-	1259443GT	12VDC PROPORTIONAL VALVE, PV70 for 147265	
7A-	147275GT	VALVE, RELIEF, GEN, 2.2kW for 147265	
7A-	147274GT	204 HYD MOTOR, GEN for 147265	
7A-	147231GT	SEAL KIT, HYD MOTOR, GEN for 147265	
7A-	147277GT	GENERATOR, 120VAC 60Hz 2200W for 147265	
7A-	147241GT	COVER, END, GEN, 120V for 147265	
7A-	147242GT	SCREW, GEN ROTOR for 147265	
7B	147266GT	GENERATOR, 2kW, 240V/50Hz 240V/50Hz	1
7B-	1269693GT	CONTROL BOX,2KW,120/240V,50HZ for 147266	
7B-	1255646GT	MANIFOLD ASSEMBLY, GEN 2.2KW for 147266	
7B-	147274GT	204 HYD MOTOR, GEN for 147266	
7B-	147231GT	SEAL KIT, HYD MOTOR, GEN for 147266	
7B-	147275GT	VALVE, RELIEF, GEN, 2.2kW for 147266	

905.1 Hydraulic Generator

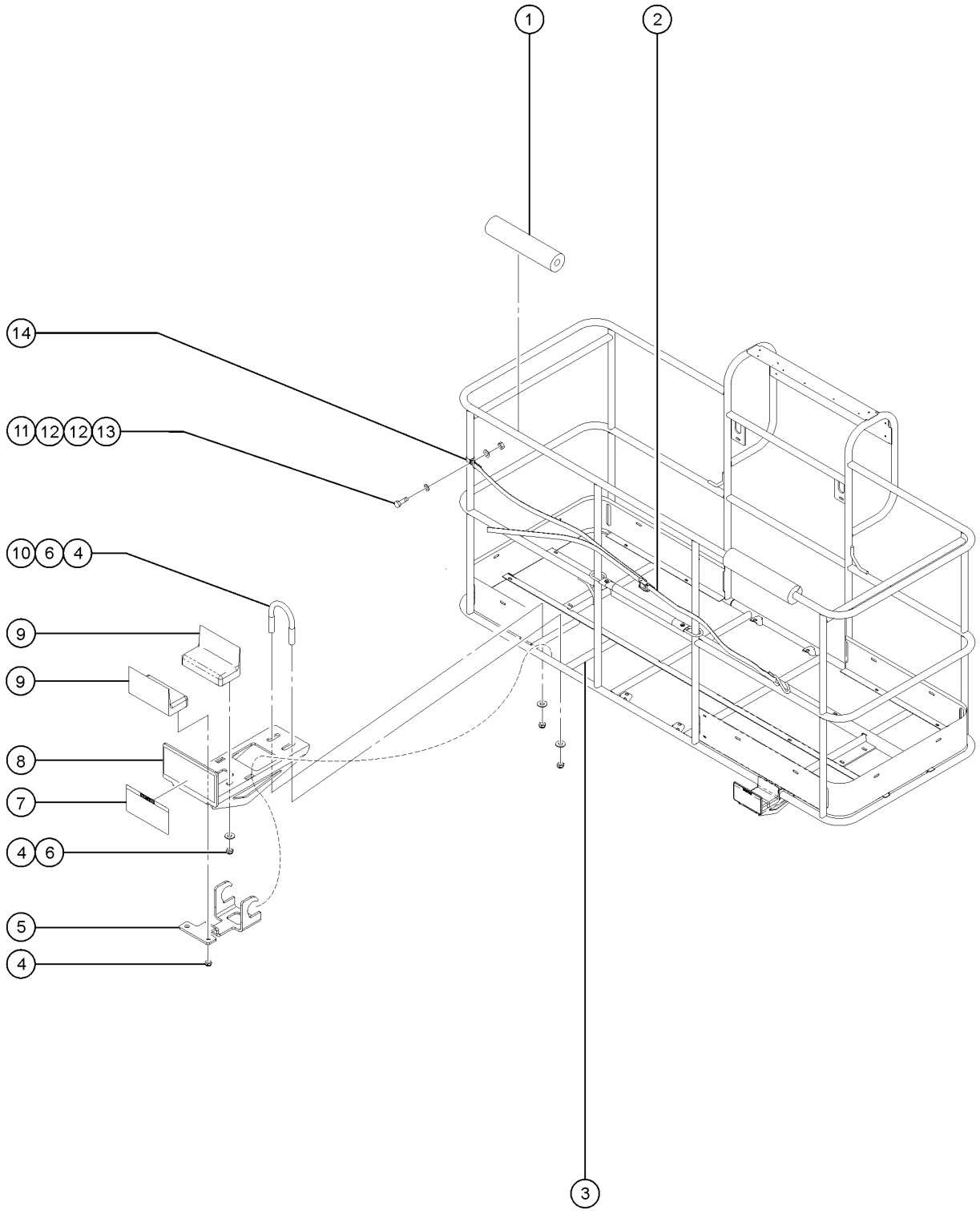


Item	Part No.	Description	Qty.
7B-	147278GT	GENERATOR, 240VAC 50Hz 2200W for 147266	
7B-	147281GT	BREAKER, 10AMP CIRCUIT, GEN for 147266	
7B-	1285230GT	CAPACITOR 12.5µF, GEN for 147266	
7B-	147262GT	COVER, END, GENERATOR, 240V for 147266	
7B-	147242GT	SCREW, GEN ROTOR for 147266	
7B-	119067GT	CONN, RECEP, 4 WAY, DEUTSCH, DT, ENDCAP for 147266	
7B-	64260GT	TERM,NI PIN,16-18 BULK for 147266	A
7B-	60443GT	LOCK, RECEP 4WAY, 14-18GA for 147266	
7B-	1259443GT	12VDC PROPORTIONAL VALVE, PV70 for 147266	
8	48933GT	CONN,520120-8***	2
9	48947GT	ELBOW,90D,520220-8-12	2
10	49861GT	CONN,LONG,520122-4	1
11	119404GT	CONN,RECEP 120AC/15A DOMESTIC	1
12	11413GT	SCREW,HHC,1/4-20 X 4	
13	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	2
14	160356GT	PLATE,CLAMP,HYD HOSE	2
15	160355GT	CLAMP,PLASTIC,HYD HOSE	2
16	48935GT	TEE,RUN, 520428-8	1


LEGEND
FITTING
HOSE ASSEMBLY
CONNECTOR
FILTER
CP-IN
CP-OUT
DRIVE PUMP
LIFT PUMP
CD
IN
1
FUNCTION MANIFOLD
AUX
PRES
GEN
P
GENERATOR
F
2
3
HYDRAULIC TANK
IN
AUX. PUMP
OUT
4

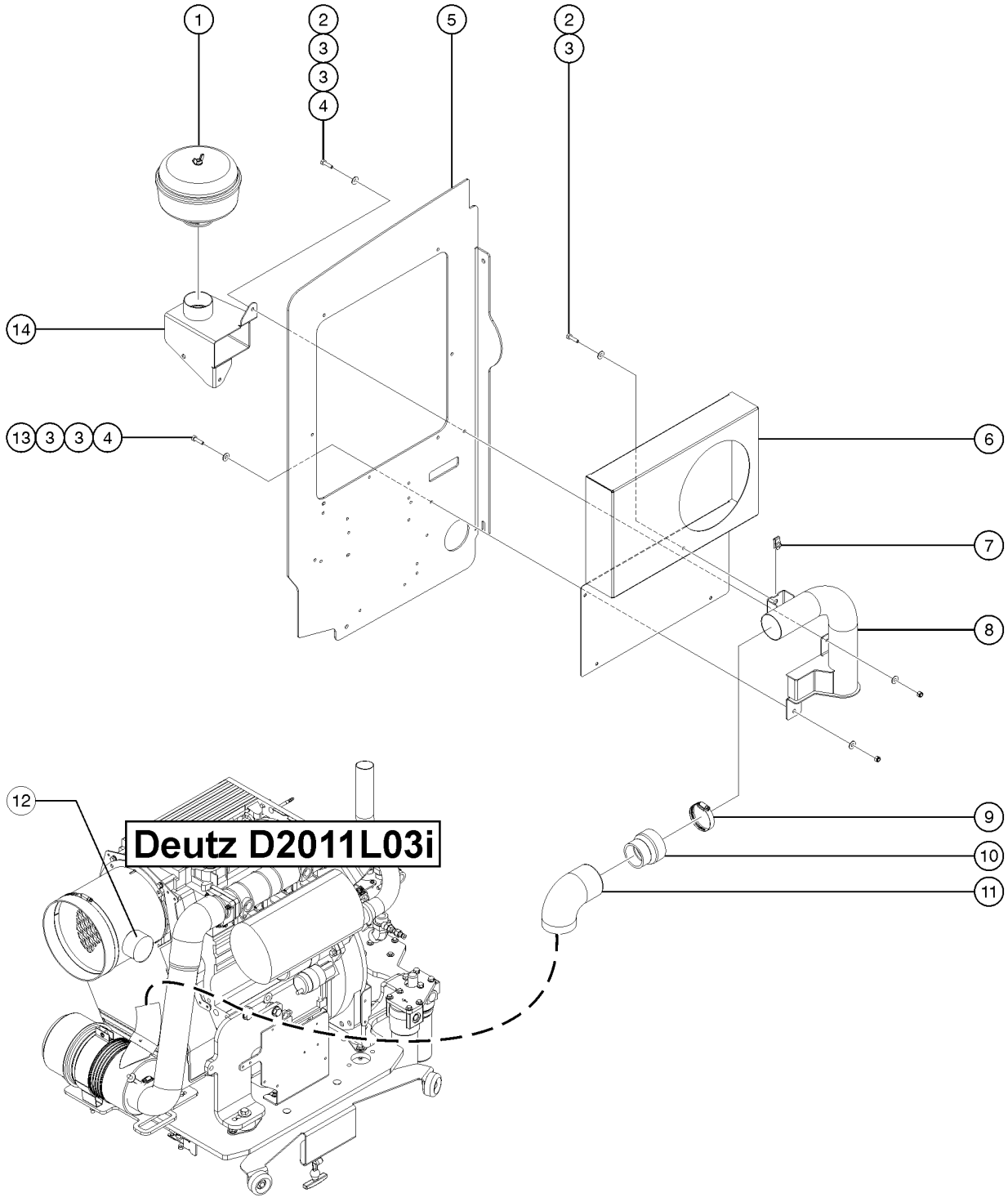
Item	*Part No.*	*Description*	*Qty.*
1	61143-8863GT	HOSE ASSY, 1/2, 45 FEM,STR FEM (components: 48822, 48826, 56777 @ 86 inches)	1
2	81812-6617GT	HOSE ASSY,1/2,STR FEM,STR FEM (components: 48822, 48822, 56777 @ 66 inches)	1
3	49143-6254GT	HOSE ASSY,1/2,90 FEM,STR FEM (components: 48822, 48827, 48756 @ 60 inches)	1
4	1290338-1594GT	ASSY, HOSE, HYD, -4, 3250, STR, STR	1

907.1 Panel Cradle Option



Item	Part No.	Description	Qty.
A-	77683GT	ACCESSORY,PANEL CRADLE,ANSI (ANSI/CSA models)	
B-	94493-SGT	KIT,PANEL CRADLE,CE (CE models)(not approved for use on AUS models)	
1	88377-1400GT	FOAM PAD***	2
2	77664GT	ADJUSTABLE STRAP ASSY	1
3	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	8
4	5397GT	WASHER, FLAT, USS, 5/16-18 for machines before 2010	
5	228849GT	FORMING,SECONDARY SUPPORT 77576P is no longer available. For machines before 2010, must install Qty 2 service kit 233992 (ANSI) or 233993 (CE) for initial replacement.	2
6	228848GT	FORMING PANEL CRADLE 89724 is no longer available. For machines before 2010, must install Qty 2 service kit 233992 (ANSI) or 233993 (CE) for initial replacement.	2
6-	233992GT	KIT,PANEL CRADEL BRACKET,WORD (ANSI models) (includes hook, panel support bracket and installation instructions)	1
6-	233993GT	KIT,PANEL CRADLE BRACKET,SYMBL (CE models) (includes hook, panel support bracket and installation instructions)	1
7	56934GT	PAD,REST,1"THICK,FLANGED	4
7A	824038GT	NUT, TL JAM, 3/8-16, A, ZAG for 56934	4
8	1251600GT	U-BOLT, FLATTENED, 1.5DIA. X 3/8 UNC,ZAG	2
9	73463-1175GT	TUBE, RD, ALUM, 1.25 X .083 X 11.75	2
10	1256855	SCREW,HHF,1/4-20X.625,8,ZAG	1
11	6638GT	WASHER, FLAT, USS, 1/4"Y for machines before 2010	
12	1277924GT	NUT,NYLOCK FLG,1/4-20,F,ZAG	1
13	56424GT	CLAMP,1.25X.5 RUBBER-CUSHION	1

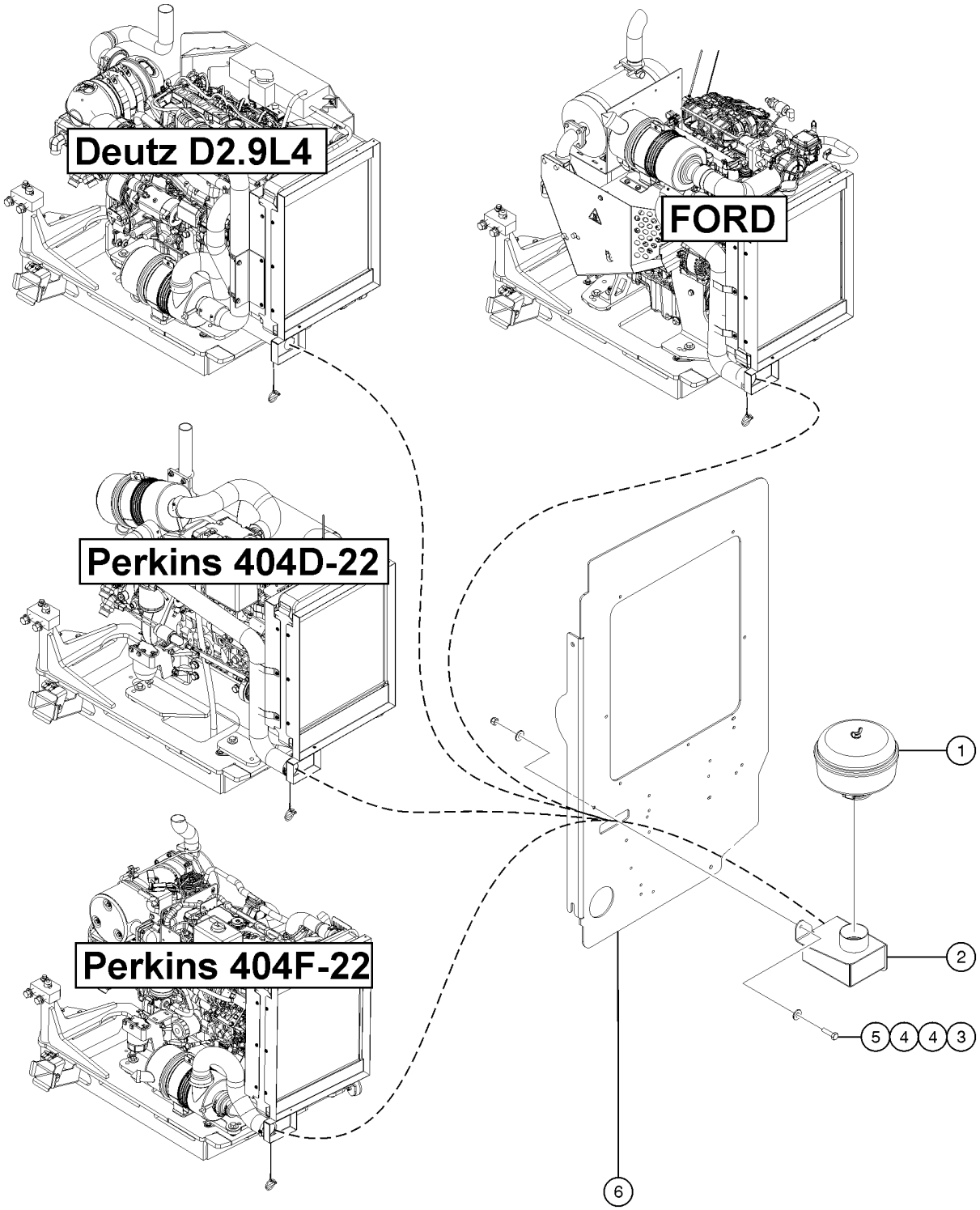
908.1 Hostile Environment Package - Engine Air Pre Cleaner (Deutz D2011L03i)



908.1 Hostile Environment Package - Engine Air Pre Cleaner (Deutz D2011L03i)

Item	Part No.	Description	Qty.
A	161543GT	ASSEMBLY, PRECLEANER, DEUTZ	
1	34959GT	PRECLEANER,AIR INTAKE***	1
2	6888GT	SCREW, HHC, 1/4-20 X 1	
3	6638GT	WASHER, FLAT, USS, 1/4"Y	
4	6091GT	NUT,NYLOCK,1/4-20	
5		BULKHEAD, COOLING AIR refer to 309.1	
6		FORMING, DEUTZ AIR INTAKE BAFFLE refer to 401.1	
7	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	1
8	161448GT	WELDMENT, AIR INTAKE, DEUTZ	1
9	45435GT	CLAMP,HOSE,2.50"	1
10	70488GT	REDUCER,RUBBER 2.5 - 2	1
11	34163GT	ELBOW,90 DEGR,RUBBER,MODIFIED*	1
12	70529GT	CAP,PLASTIC,2.5 ID	1
13	6090GT	SCREW, HHC, 1/4-20 X .75	
14	219841GT	WELDMENT, PRECLEANER MOUNT	1

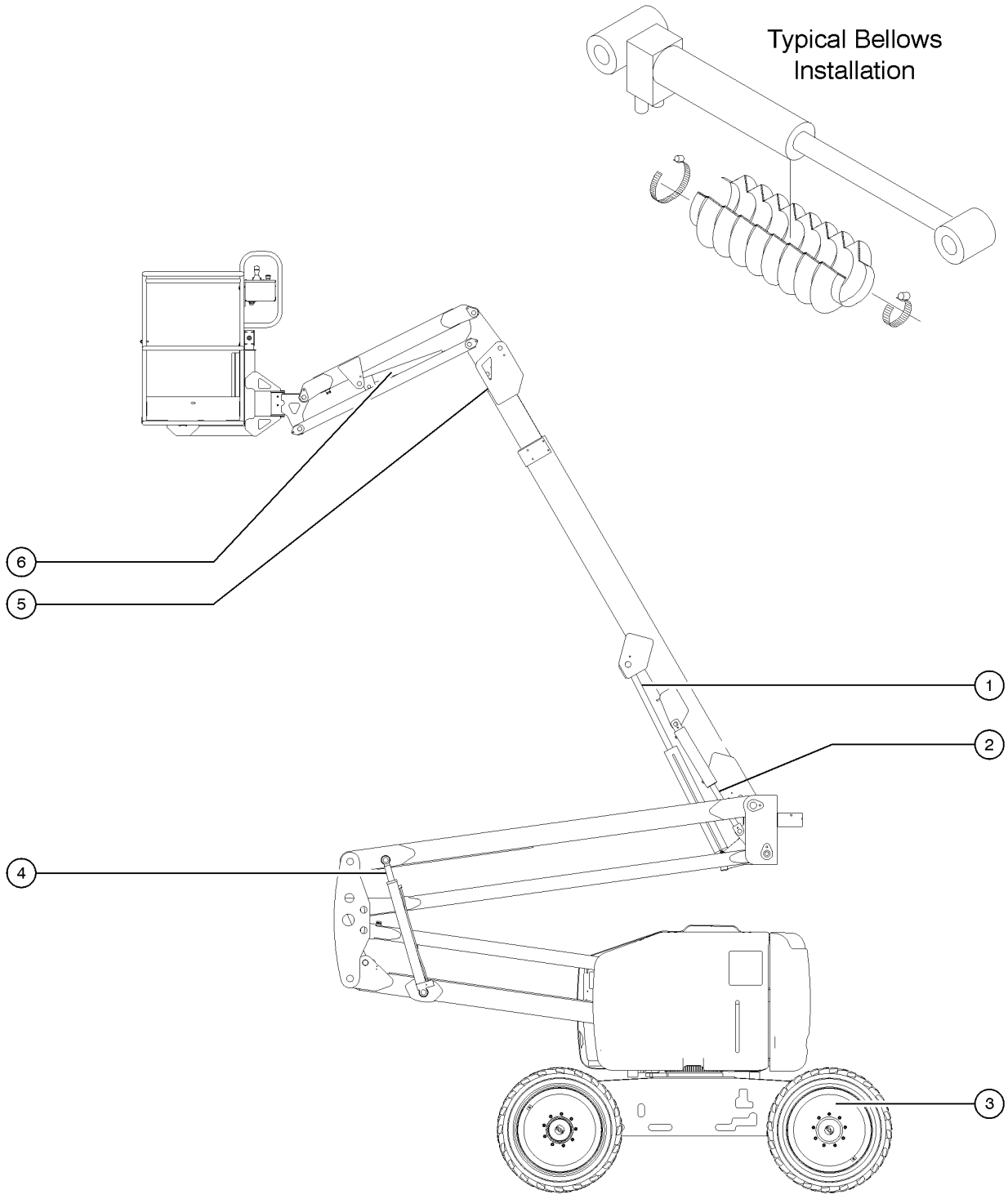
909.1 Hostile Environment Package - Engine Air Pre Cleaner (Ford, Perkins and Deutz D2.9L4)



909.1 Hostile Environment Package - Engine Air Pre Cleaner (Ford, Perkins and Deutz D2.9L4)

Item	*Part No.*	*Description*	*Qty.*
A	161088GT	ASSEMBLY, PRECLEANER, Z45	
1	34959GT	PRECLEANER,AIR INTAKE***	1
2	219841GT	WELDMENT, PRECLEANER MOUNT	1
3	6888GT	SCREW, HHC, 1/4-20 X 1	
4	6638GT	WASHER, FLAT, USS, 1/4"Y	
5	6091GT	NUT,NYLOCK,1/4-20	
6		REF: Bulkhead refer to 309.1	

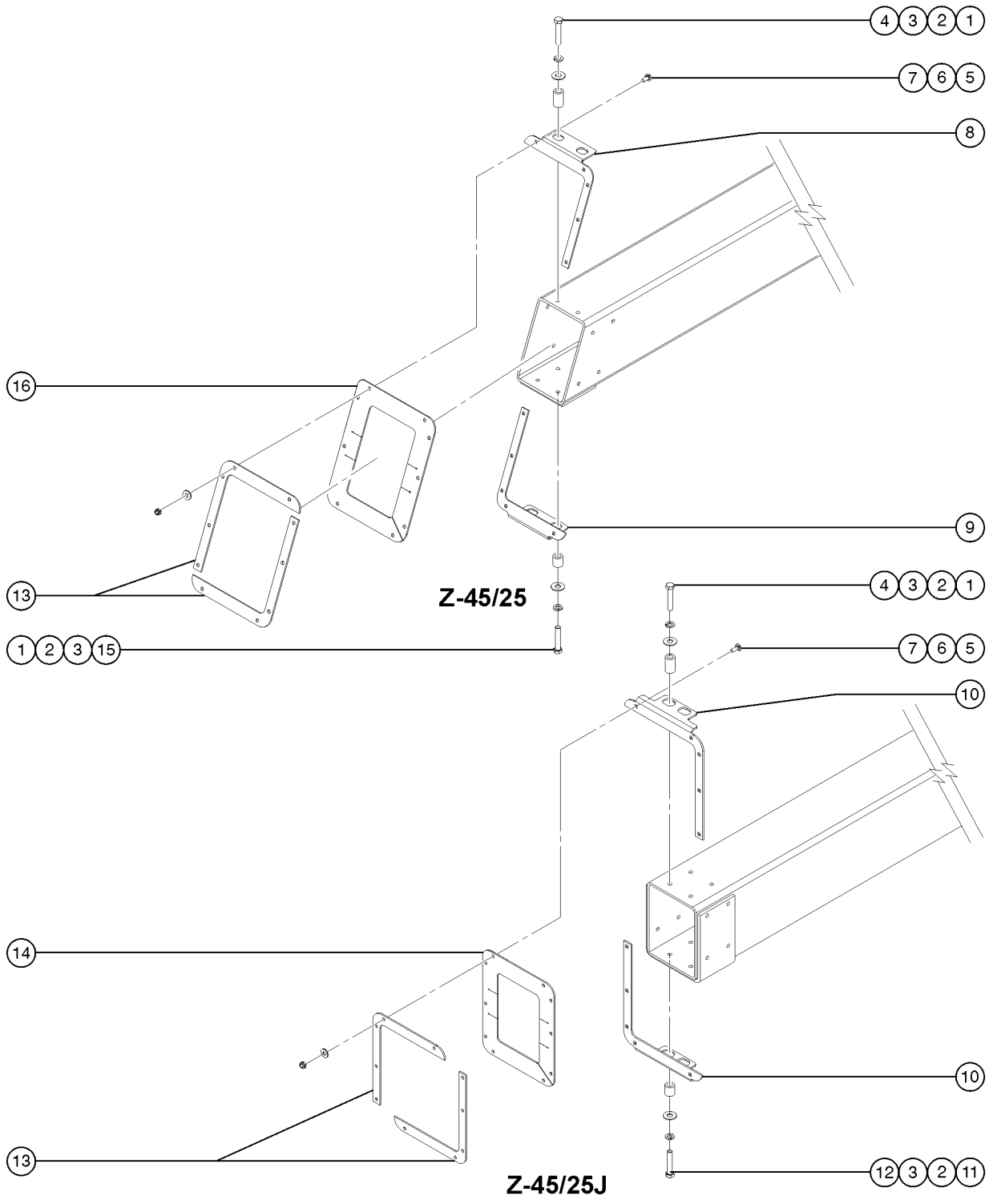
910.1 Hostile Environment Package - All Models View 1



910.1 Hostile Environment Package - All Models View 1

Item	*Part No.*	*Description*	*Qty.*
1A	54638GT	BELLOWS,PRIMARY CYLINDER,JIB	1
1B	54637GT	BELLOWS,PRIMARY CYLINDER,N/JIB	1
2	54640GT	BELLOWS,MASTER CYLINDER	1
3	73842GT	COVER,PROTECTIVE,STEER CYLINDR	1
4	54652GT	BELLOWS,SECONDARY,ELEVATE CYL	1
5	54639GT	BELLOWS,SLAVE CYLINDER	1
6	54635GT	BELLOWS,JIB CYLINDER	1

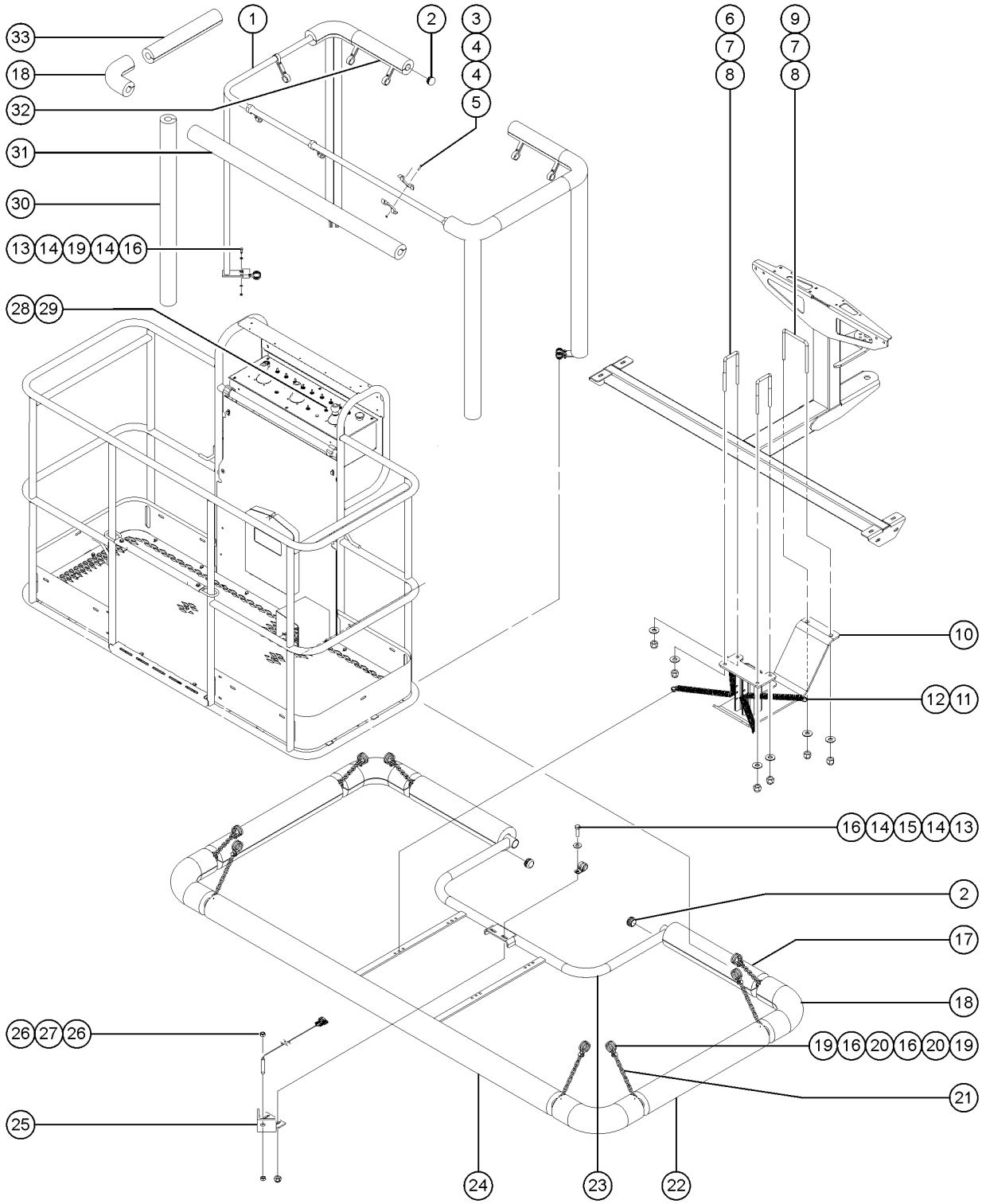
911.1 Hostile Environment Package - All Models View 2



911.1 Hostile Environment Package - All Models View 2

Item	Part No.	Description	Qty.
A-		KIT, WIPER, Z-45/25 includes items 1 - 9, 15 and 16 (no longer available)	
B-	147184GT	KIT, WIPER, Z-45/25J includes items 1 - 7 and 10 - 14	
1	5224GT	SCREW,HHC,3/8-16 X 2	
2	6021GT	WASHER, LOCK, .375	
3	6097GT	WASHER, FLAT, USS, 3/8", Y	
4	128852GT	TUBE,RD,STL,DOM,.75X.438X1.25	2
5	6878GT	BOLT,CARRIAGE,1/4-20 X .75,G2	
6	6638GT	WASHER, FLAT, USS, 1/4"Y	
7	6889GT	NUT,LP NYLOCK,1/4-20	
8	147042GT	FORMING WIPER MOUNT	1
9	147043GT	FORMING WIPER MOUNT	1
10	147041GT	FORMING WIPER MOUNT	2
11	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	2
12	45400GT	SPACER TUBE,.50 LG	2
13	128973GT	PLATE,WIPER BACKING	2
14	147181GT	WIPER,PRIMARY BOOM Jib Models	1
15	101932GT	TUBE, RD., STL., DOM .75 X .437 X .78	2
16	147044GT	WIPER,PRIMARY BOOM Non Jib Models	1

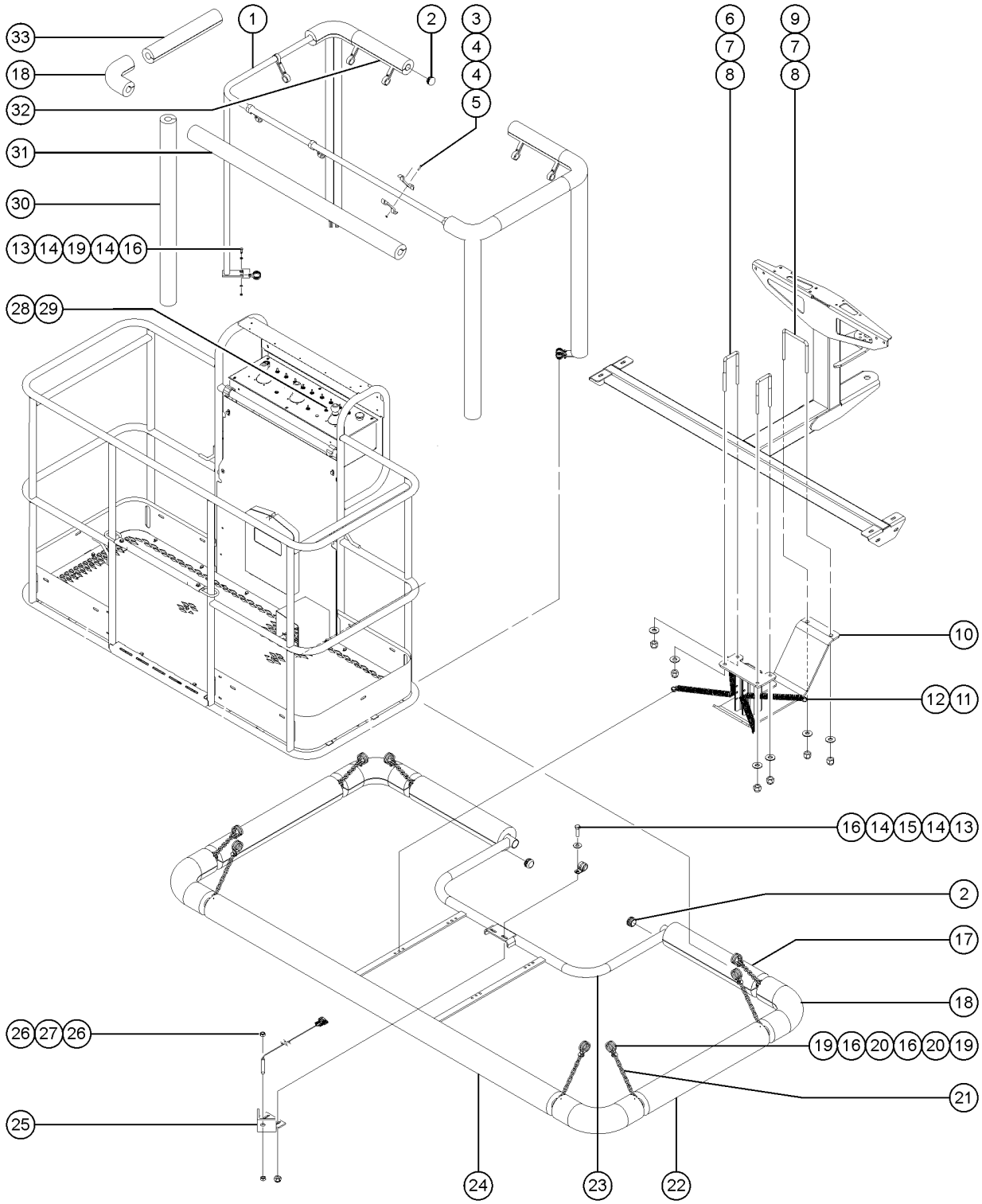
912.1 Aircraft Protection Package - Deluxe (to SN Z4514A-51049)



912.1 Aircraft Protection Package - Deluxe (to SN Z4514A-51049)

Item	Part No.	Description	Qty.
A	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 includes items 27 and 28	
1	46188GT	WELDMENT, AIRCRAFT TOP BUMPER	1
2	55753GT	BUMPER, PLASTIC, 1.25 O.D.	4
3	122231GT	SCREW,BHSC,1/4-20 X 1	
4	122073GT	SUPPORT, RAILING	20
5	6889GT	NUT,LP NYLOCK,1/4-20	
6	66472GT	U-BOLT, SQR, 3/8-16X2X5, PLTD	2
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8	4828GT	NUT, NYLOCK, 3/8-16	
9	106044GT	U-BOLT,3/8-16X4X4.63X3.00	1
10	139904GT	WELDMENT, SKIDPLATE**	1
11	88384GT	SPRING, SS, 3/4-EO750-69-4500	4
12	88385GT	SPRING, SS, 1/2-EO500-49-4500	4
13	6888GT	SCREW, HHC, 1/4-20 X 1	
14	6638GT	WASHER, FLAT, USS, 1/4"Y	
15	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
16	6091GT	NUT,NYLOCK,1/4-20	
17	75617-1675GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
18	75636GT	PADDING,FOAM,3.0"X1.50ID 90DEG	8
19	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	16
20	6090GT	SCREW, HHC, 1/4-20 X .75	
21	56426-700GT	CHAIN,NO.2 (11 LINKS)	8
22	75617-2275GT	PADDING,FOAM 3.5"OD X 1.50"ID	4
23	139181GT	WELDMENT,AIRCRAFT SENSOR BUMPR	1
24	75617-6475GT	PADDING,FOAM 3.5"OD X 1.50"ID use until exhausted	4
24B	75617-3238GT	PADDING, FOAM 3.0" OD X 1.50" ID	2
25	77797GT	WELDMENT, SENSOR MOUNT	1
26	88390GT	NUT,HEX,M8,PLASTIC	

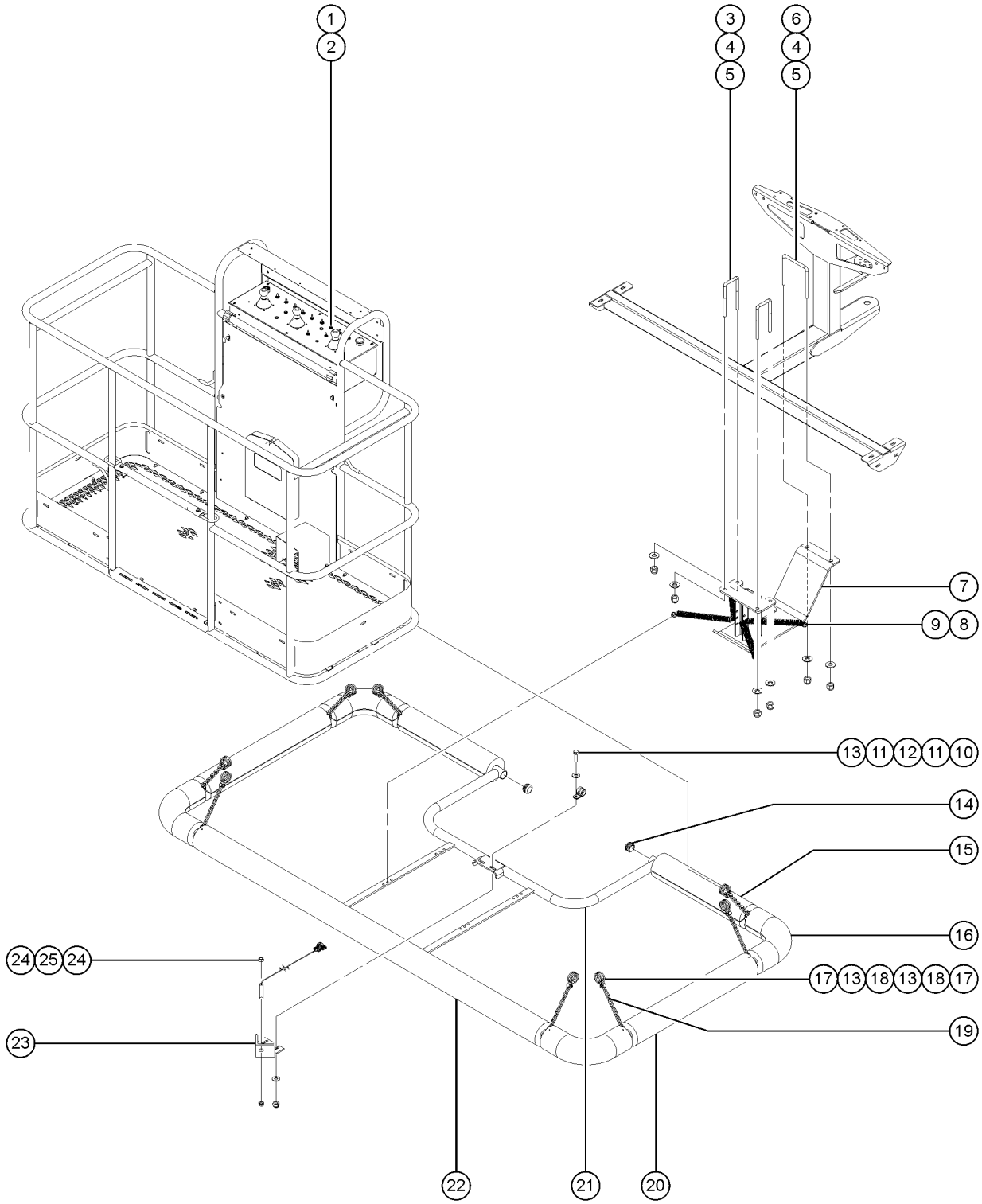
912.1 Aircraft Protection Package - Deluxe (to SN Z4514A-51049)



912.1 Aircraft Protection Package - Deluxe (to SN Z4514A-51049)

Item	*Part No.*	*Description*	*Qty.*
27	27391GT	PROXIMITY SENSOR***	1
28	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes item 29	1
28-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	1
28-	128581-SGT	SWITCH TOGGLE DPDT 2P MOM SHDR	
29	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
30	75617-4788GT	PADDING,FOAM 3.5"OD X 1.50"ID	4
31	75617-3138GT	PADDING, FOAM 3.0" OD X 1.50" ID	2
32	75617-1538GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
33	75617-2075GT	PADDING,FOAM 3.5"OD X 1.50"ID	2

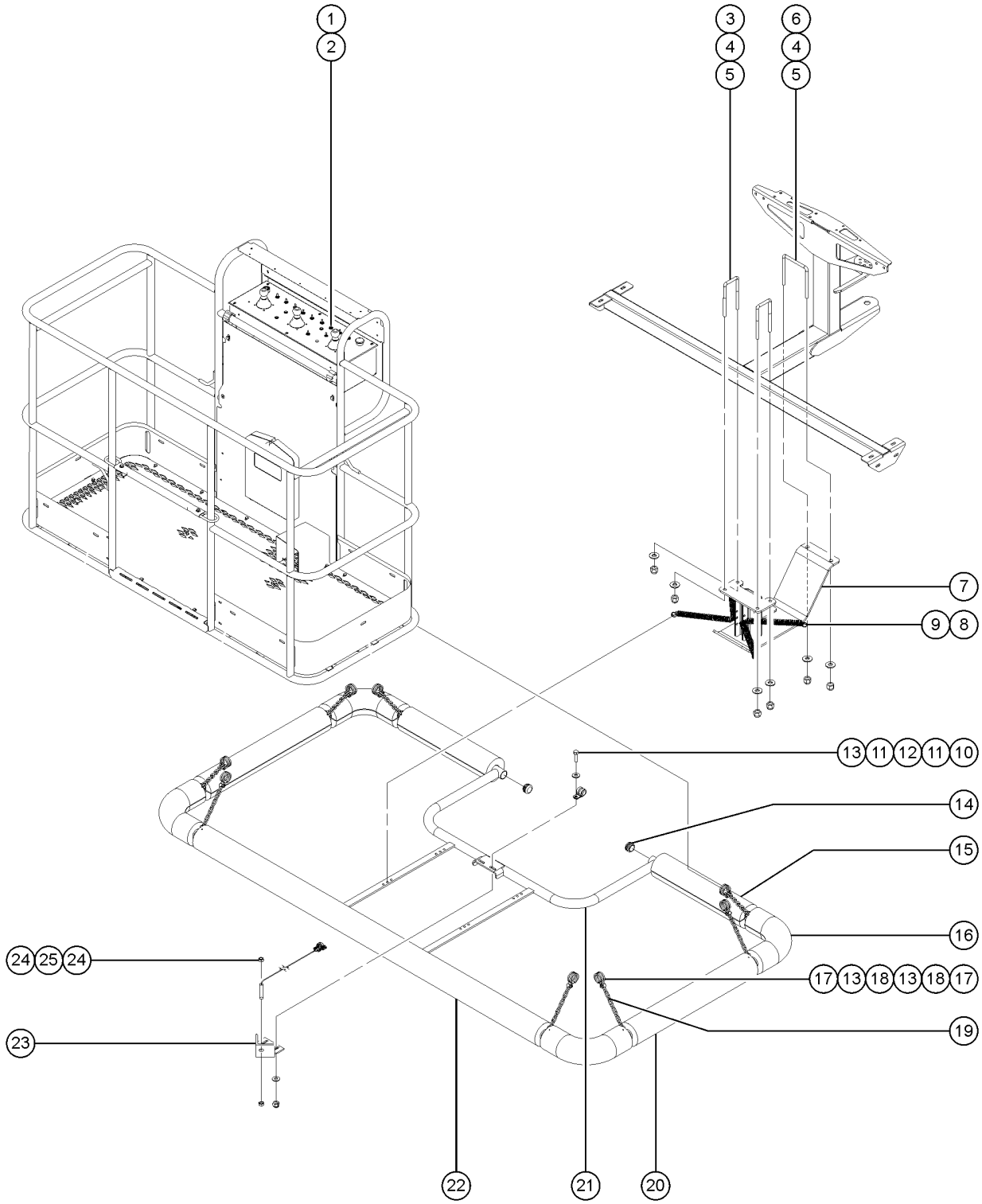
913.1 Aircraft Protection Package - Standard (to SN Z4514A-51049)



913.1 Aircraft Protection Package - Standard (to SN Z4514A-51049)

Item	Part No.	Description	Qty.
A	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 includes items 1 and 25	
1	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes item 2	1
1-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	1
1-	128581-SGT	SWITCH TOGGLE DPDT 2P MOM SHDR	1
2	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
3	66472GT	U-BOLT, SQR, 3/8-16X2X5, PLTD	2
4	5397GT	WASHER, FLAT, USS, 5/16-18	
5	4828GT	NUT, NYLOCK, 3/8-16	
6	106044GT	U-BOLT,3/8-16X4X4.63X3.00	1
7	139904GT	WELDMENT, SKIDPLATE**	1
8	88384GT	SPRING, SS, 3/4-EO750-69-4500	4
9	88385GT	SPRING, SS, 1/2-EO500-49-4500	4
10	6888GT	SCREW, HHC, 1/4-20 X 1	
11	6638GT	WASHER, FLAT, USS, 1/4"Y	
12	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
13	6091GT	NUT,NYLOCK,1/4-20	
14	55753GT	BUMPER, PLASTIC, 1.25 O.D.	2
15	75617-1675GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
16	75636GT	PADDING,FOAM,3.0"X1.50ID 90DEG	4
17	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	16
18	6090GT	SCREW, HHC, 1/4-20 X .75	
19	56426-700GT	CHAIN,NO.2 (11 LINKS)	8
20	75617-2275GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
21	139181GT	WELDMENT,AIRCRAFT SENSOR BUMPR	1
22	75617-6475GT	PADDING,FOAM 3.5"OD X 1.50"ID use until exhausted	1
22B	75617-3238GT	PADDING, FOAM 3.0" OD X 1.50" ID	2
23	77797GT	WELDMENT, SENSOR MOUNT	1
24	88390GT	NUT,HEX,M8,PLASTIC	

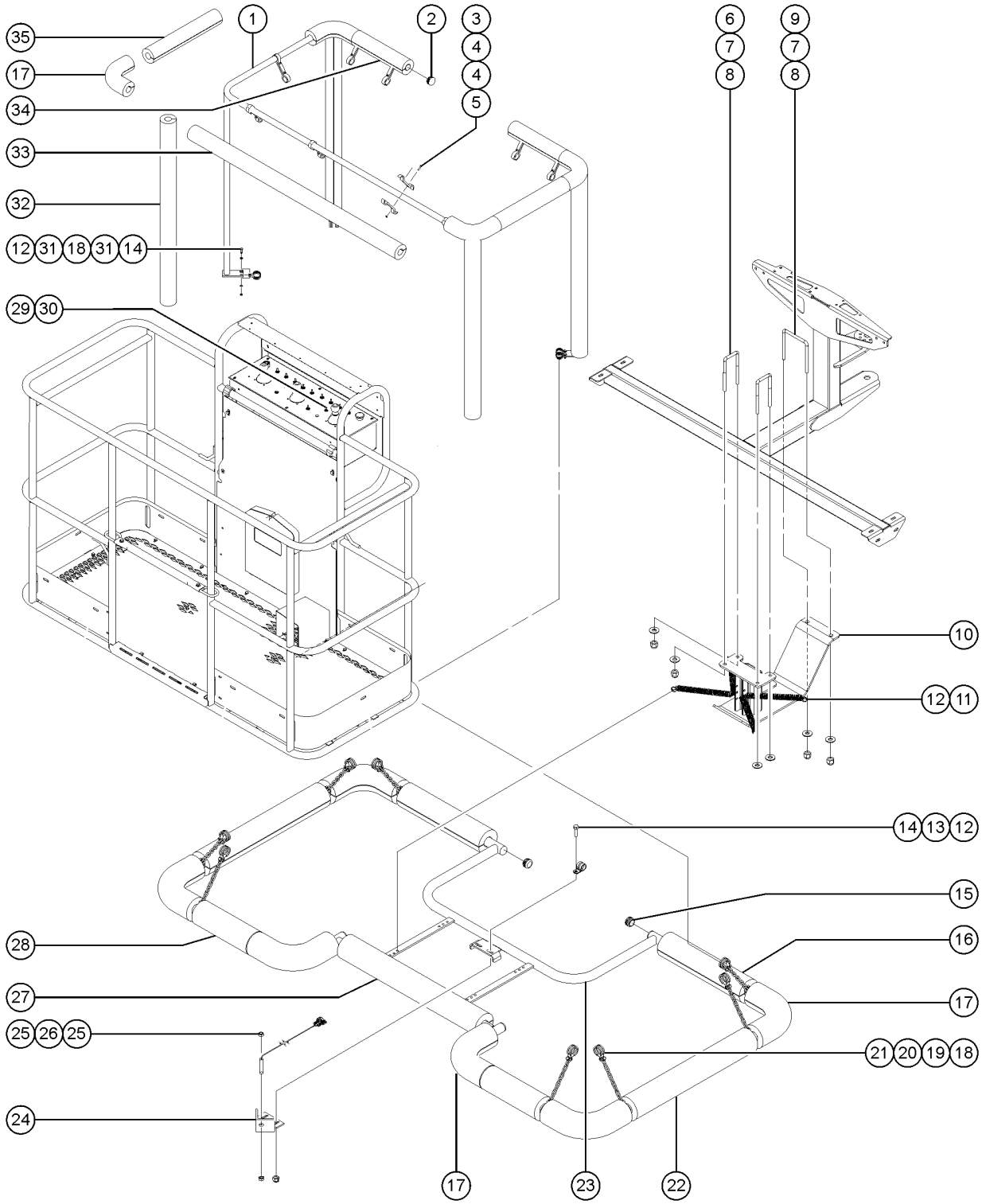
913.1 Aircraft Protection Package - Standard (to SN Z4514A-51049)



913.1 Aircraft Protection Package - Standard (to SN Z4514A-51049)

Item	Part No.	Description	Qty.
25	27391GT	PROXIMITY SENSOR***	1

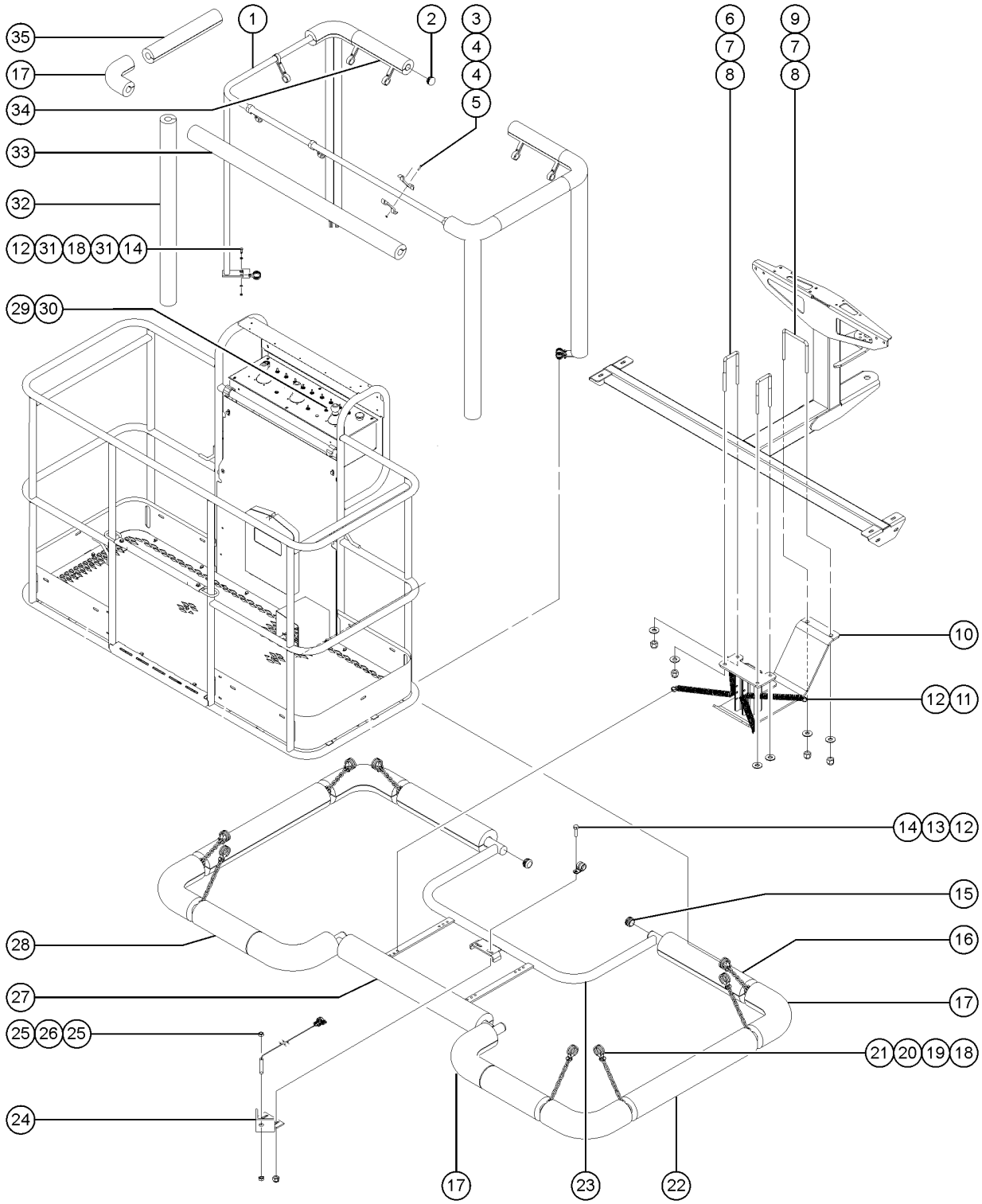
913.2 Aircraft Protection Package (from SN Z4514A-51050)



913.2 Aircraft Protection Package (from SN Z4514A-51050)

Item	Part No.	Description	Qty.
A	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 includes items 25 and 26	
1	46188GT	WELDMENT, AIRCRAFT TOP BUMPER	1
2	55753GT	BUMPER, PLASTIC, 1.25 O.D.	4
3	122231GT	SCREW,BHSC,1/4-20 X 1	
4	122073GT	SUPPORT, RAILING	20
5	6889GT	NUT,LP NYLOCK,1/4-20	
6	66472GT	U-BOLT, SQR, 3/8-16X2X5, PLTD	2
7	5397GT	WASHER, FLAT, USS, 5/16-18	
8	4828GT	NUT, NYLOCK, 3/8-16	
9	106044GT	U-BOLT,3/8-16X4X4.63X3.00	
10	822764GT	WDMT,SKID PLATE	
11	822769GT	SPRING,EXTENSION,1.92LB/IN	4
12	6888GT	SCREW, HHC, 1/4-20 X 1	
13	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
14	6091GT	NUT,NYLOCK,1/4-20	
15	55753GT	BUMPER, PLASTIC, 1.25 O.D.	
16	75617-1550GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
17	75636GT	PADDING,FOAM,3.0"X1.50ID 90DEG	10
18	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	24
19	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
20	56426-700GT	CHAIN,NO.2 (11 LINKS)	8
21	824027GT	NUT, TL FLG, 1/4-20, G, ZAG	
22	75617-2275GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
23	822759GT	WDMT,AIRCRAFT SENSOR BUMPER	1
24	77797GT	WELDMENT, SENSOR MOUNT	1
25	88390GT	NUT,HEX,M8,PLASTIC	
26	1261292GT	HARNESS ASSY,PCON,PROX KILL includes 27391 proximity sensor	1
26-	27391GT	PROXIMITY SENSOR***	1

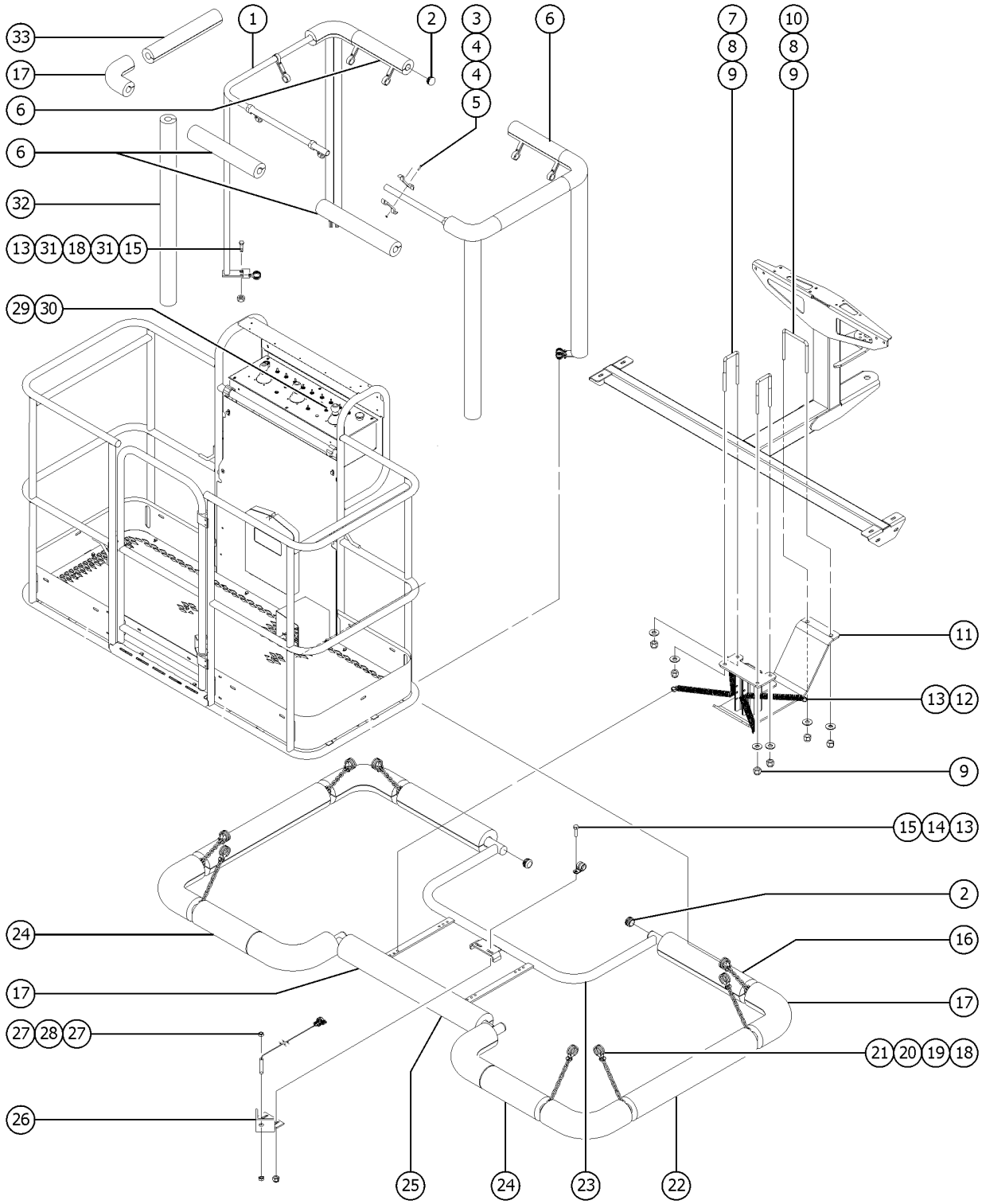
913.2 Aircraft Protection Package (from SN Z4514A-51050)



913.2 Aircraft Protection Package (from SN Z4514A-51050)

Item	*Part No.*	*Description*	*Qty.*
27	822768GT	FOAM,AIRCRAFT PROTECTION	1
28	75617-1025GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
29	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes item 30	1
29-	128581-SGT	SWITCH TOGGLE DPDT 2P MOM SHDR	
29-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
30	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
31	6638GT	WASHER, FLAT, USS, 1/4"Y	
32	75617-4788GT	PADDING,FOAM 3.5"OD X 1.50"ID	4
33	75617-3138GT	PADDING, FOAM 3.0" OD X 1.50" ID	2
34	75617-1538GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
35	75617-2075GT	PADDING,FOAM 3.5"OD X 1.50"ID	2

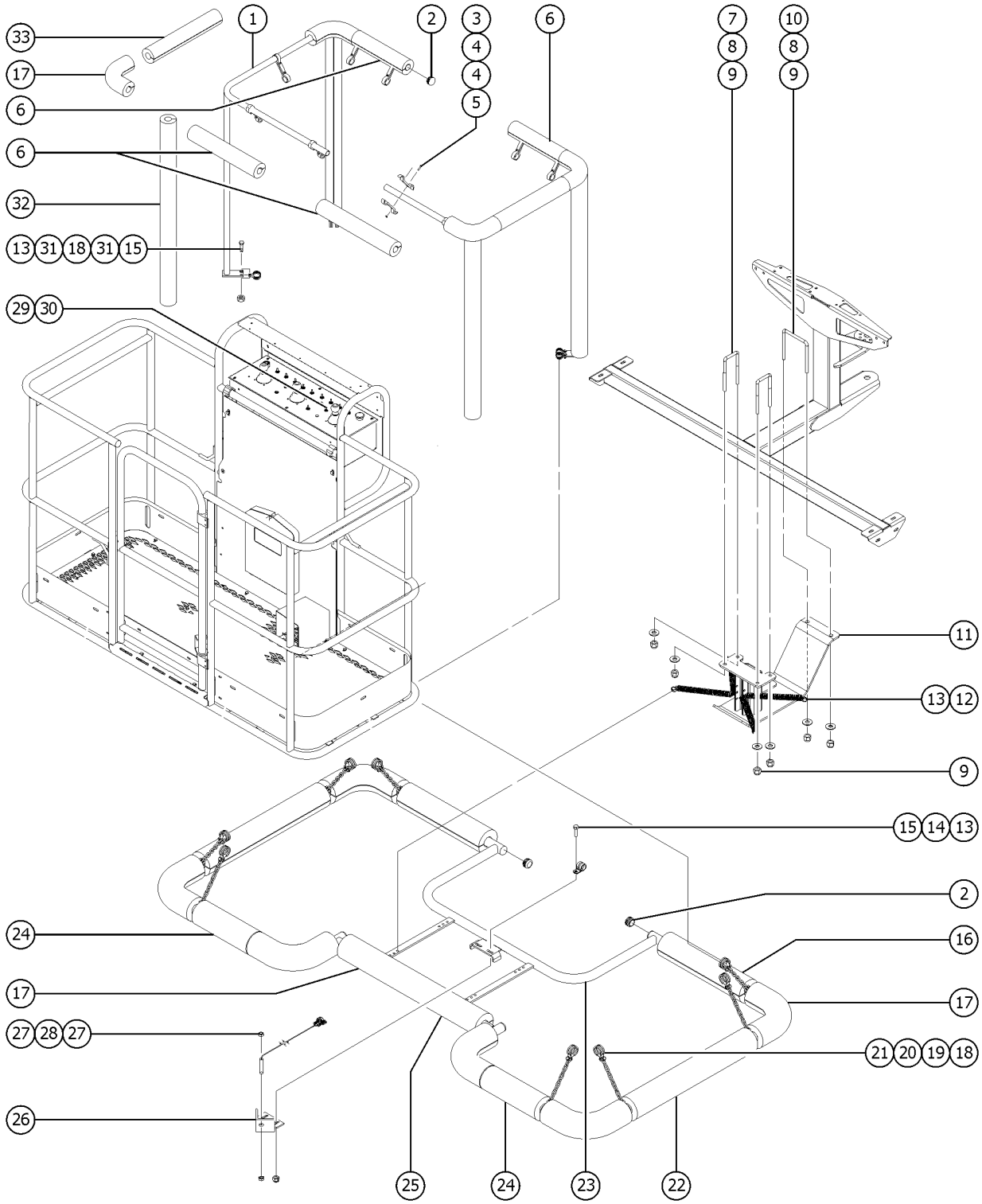
913.3 Aircraft Protection Package With Swing Gate (from SN Z4514A-51050)



913.3 Aircraft Protection Package With Swing Gate (from SN Z4514A-51050)

Item	Part No.	Description	Qty.
A	219680GT	HARN,AIRCRAFT PROT.,PBOX,Z45 includes items 29 and 30	
1	46188GT	WELDMENT, AIRCRAFT TOP BUMPER	1
2	55753GT	BUMPER, PLASTIC, 1.25 O.D.	4
3	122231GT	SCREW,BHSC,1/4-20 X 1	
4	122073GT	SUPPORT, RAILING	20
5	6889GT	NUT,LP NYLOCK,1/4-20	
6	1259328GT	PADDING, FOAM, 15.5"	4
7	66472GT	U-BOLT, SQR, 3/8-16X2X5, PLTD	2
8	5397GT	WASHER, FLAT, USS, 5/16-18	
9	4828GT	NUT, NYLOCK, 3/8-16	
10	106044GT	U-BOLT,3/8-16X4X4.63X3.00	
11	822764GT	WDMT,SKID PLATE	
12	822769GT	SPRING,EXTENSION,1.92LB/IN	4
13	6888GT	SCREW, HHC, 1/4-20 X 1	
14	6833GT	CLAMP,0.50,#8 X 1/4,RUB CUSH	1
15	6091GT	NUT,NYLOCK,1/4-20	
16	75617-1550GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
17	75636GT	PADDING,FOAM,3.0"X1.50ID 90DEG	10
18	21618GT	CLAMP,1.13,#18 X 1/4,RUB CUSH	24
19	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
20	56426-700GT	CHAIN,NO.2 (11 LINKS)	8
21	824027GT	NUT, TL FLG, 1/4-20, G, ZAG	
22	75617-2275GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
23	822759GT	WDMT,AIRCRAFT SENSOR BUMPER	1
24	75617-1025GT	PADDING,FOAM 3.5"OD X 1.50"ID	2
25	822768GT	FOAM,AIRCRAFT PROTECTION	1
26	77797GT	WELDMENT, SENSOR MOUNT	1
27	88390GT	NUT,HEX,M8,PLASTIC	

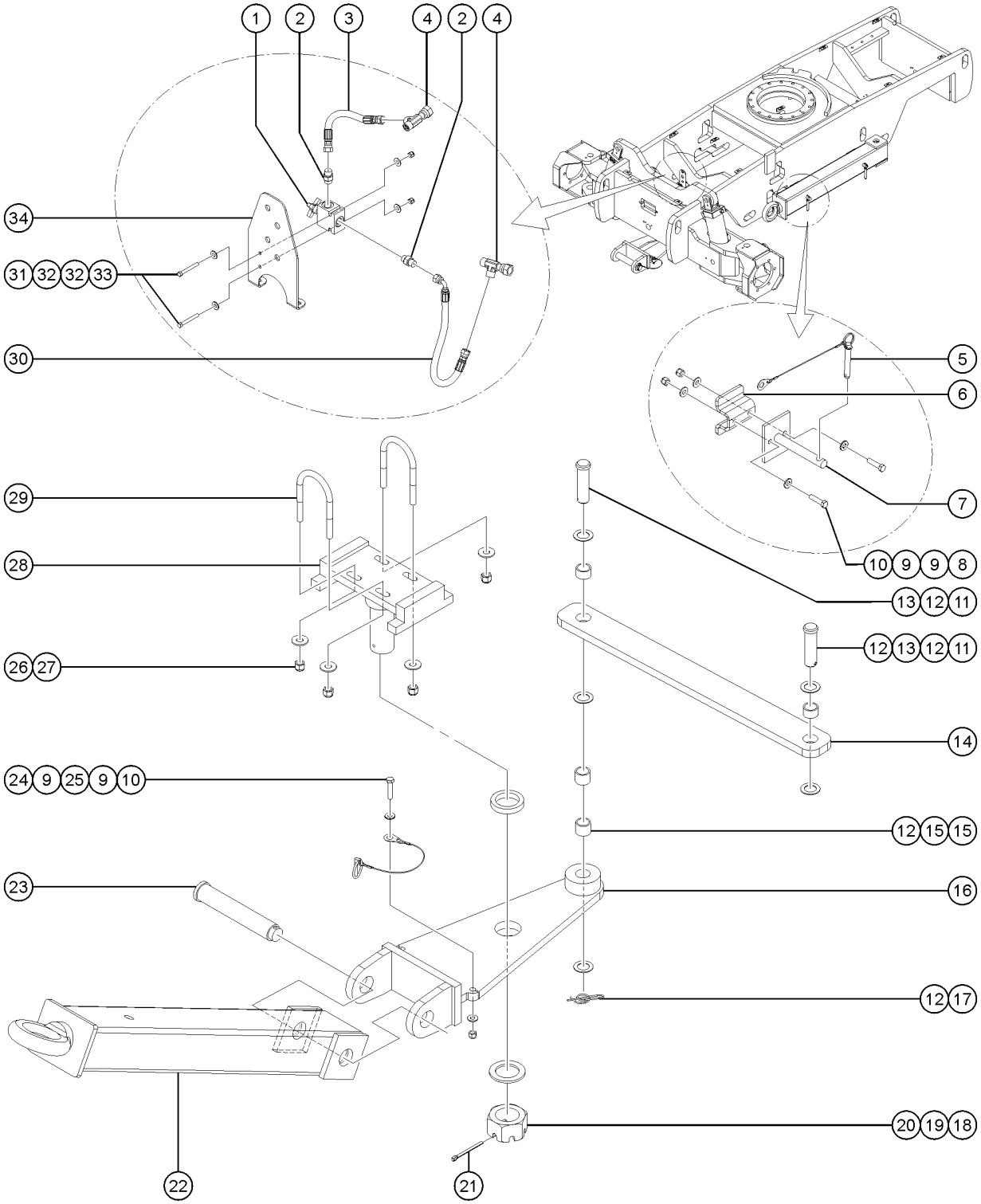
913.3 Aircraft Protection Package With Swing Gate (from SN Z4514A-51050)



913.3 Aircraft Protection Package With Swing Gate (from SN Z4514A-51050)

Item	*Part No.*	*Description*	*Qty.*
28	1261292GT	HARNESS ASSY,PCON,PROX KILL includes 27391 proximity sensor	1
28-	27391GT	PROXIMITY SENSOR***	1
29	128201GT	SWITCH TOGGLE ASSY DPDT 2P MOM includes item 30	1
29-	128578GT	SCREW T-SWITCH PH/PH 6-32X1/4	
29-	128581-SGT	SWITCH TOGGLE DPDT 2P MOM SHDR	
30	27246GT	BOOT,TOGGLE SWITCH,SHORT*	1
31	6638GT	WASHER, FLAT, USS, 1/4"Y	
32	1259329GT	PADDING, FOAM, 46.5"	4
33	75617-2075GT	PADDING,FOAM 3.5"OD X 1.50"ID	2

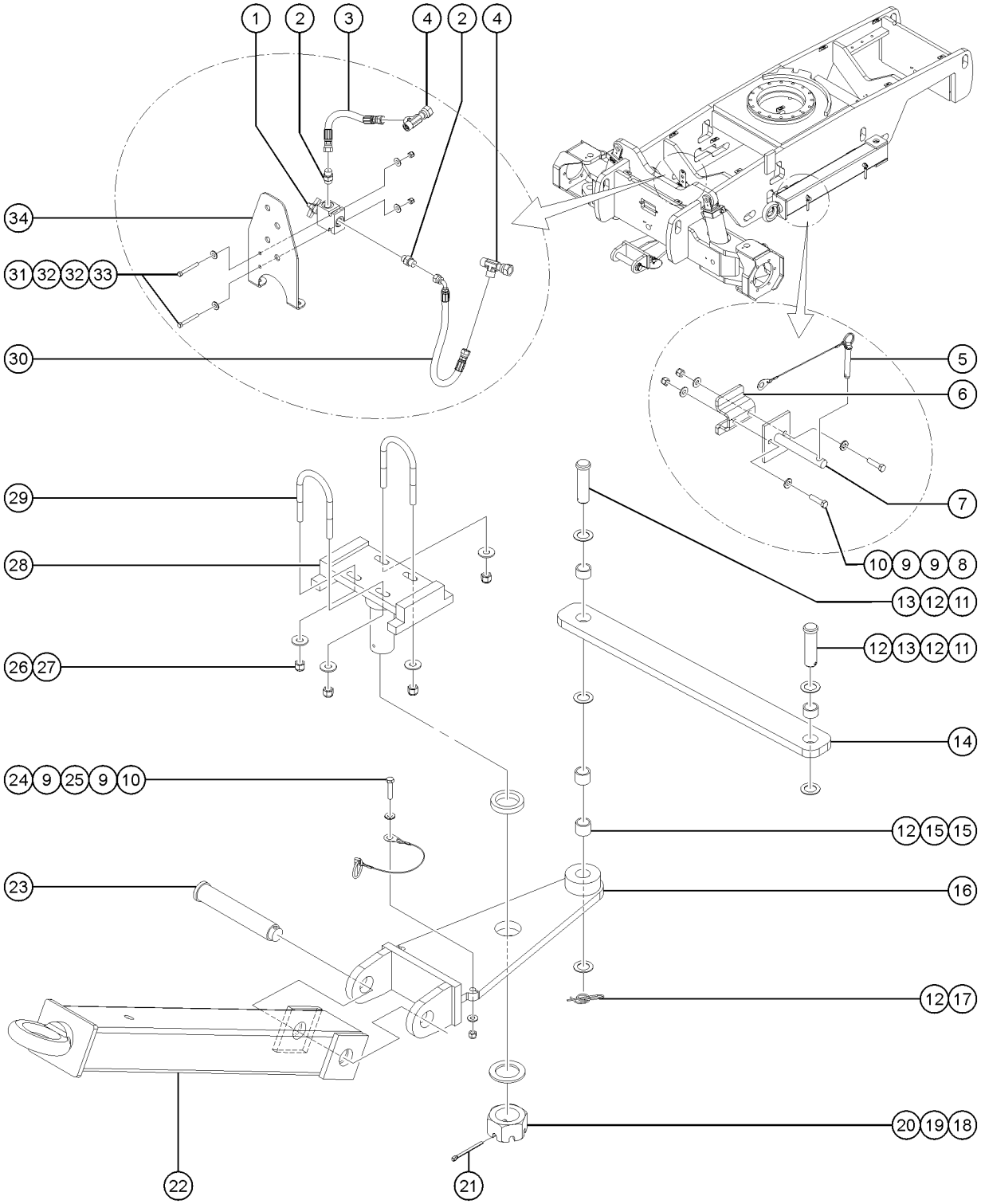
914.1 Tow Package



914.1 Tow Package

Item	Part No.	Description	Qty.
1	25282GT	VALVE,NEEDLE,BRAKE RELEASE	1
2	48912GT	CONN,520120-4-6***	2
3	49118-800GT	ASSY, HOSE, HYD, -4, 3250, STR, 90	1
4	48908GT	FITTING,TEE,RUN,SWIVEL520432-4	2
5	54145-1200GT	RETAINING PIN,ASSY	2
6	60139PGT	FORMING,LP BRACKET MOUNT,PAINT	2
7	54787GT	WELDMENT,TOW STORAGE BRKT,Z45	2
8	8516GT	SCREW, HCC, 3/8-16 X 1.50	4
9	5397GT	WASHER, FLAT, USS, 5/16-18	
10	4828GT	NUT, NYLOCK, 3/8-16	
11	70634GT	PIN,CLEVIS,1 X 3.5 LG***	2
12	30748GT	WASHER,SHIM,1.01 X 1.63 X.062	5
13	51474GT	BEARING,1.00IDX1.25ODX0.75L	2
14	160526GT	MACH.,STEER LINK,TOW PKG,WIDE	1
15	25817GT	BEARING,1.00IDX1.25ODX1.00L	2
16	70638GT	MACHINING,TOW HITCH***	1
17	74389GT	RUE RING 1.00	1
18	54789GT	NUT,SLOTTED,2-4-1/2 UNC	1
19	36937GT	WASHER,THRUST,2.0 X 3.0 X .188	1
20	160528GT	BEARING,UHMW,2.00X2.75X.875	1
21	77087GT	PIN,COTTER,.25 X 3.0	1
22	54786GT	WELDMENT,HITCH TONGUE,Z45	1
23	106339GT	PIN,TOW HITCH,1.5DIAX8.25"GRIP	1
24	13918GT	SCREW,HHC,3/8-16 X 1.75,GRD.8	1
25	54432GT	LANYARD,LYNCH PIN ASSY	1
26	6198GT	NUT, NYLOCK, 1/2-13	
27	6095GT	WASHER,FLAT,USS,1/2",Y	
28	70632GT	WELDMENT,STEER AXLE TOW CRADLE	1

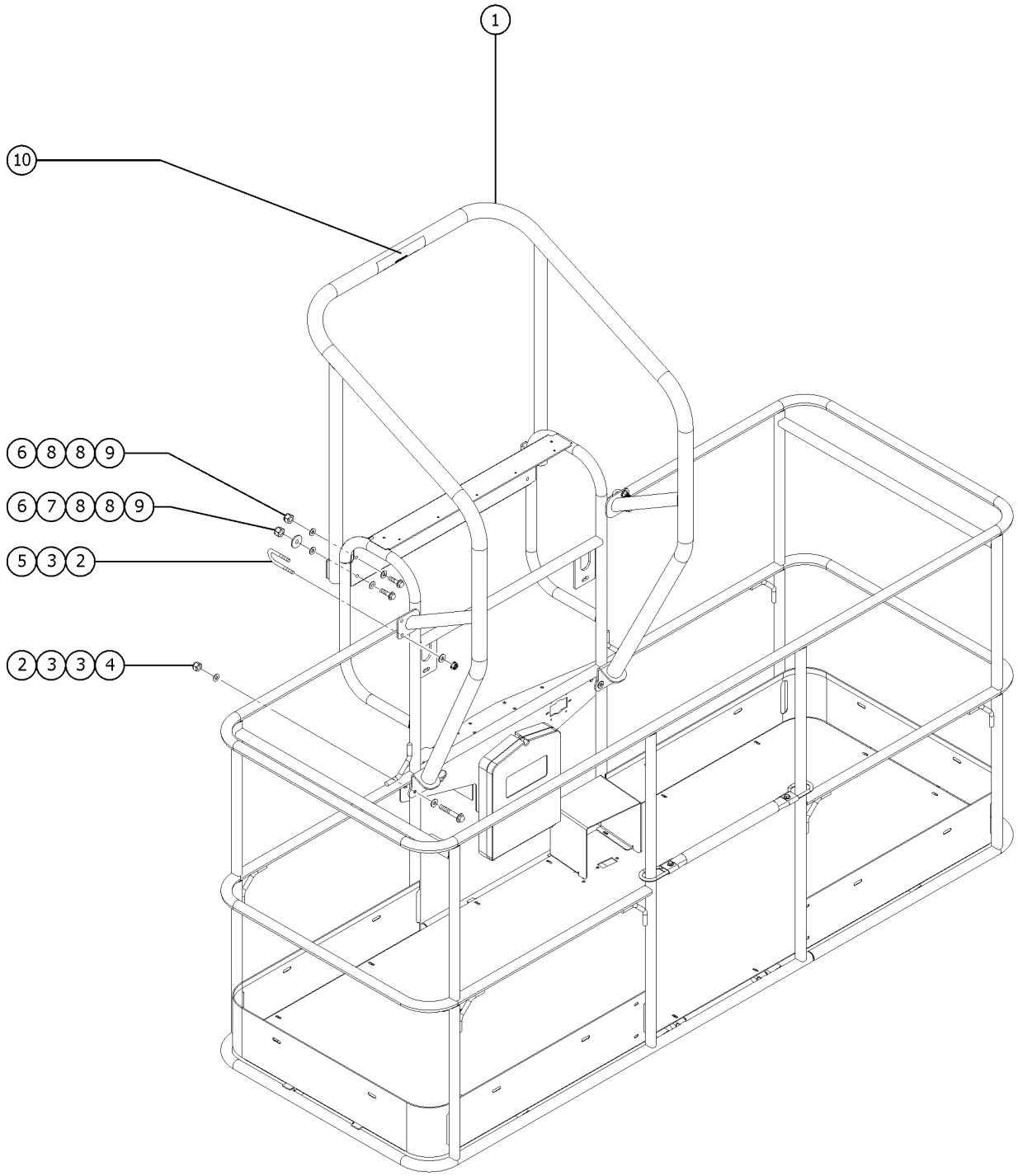
914.1 Tow Package



914.1 Tow Package

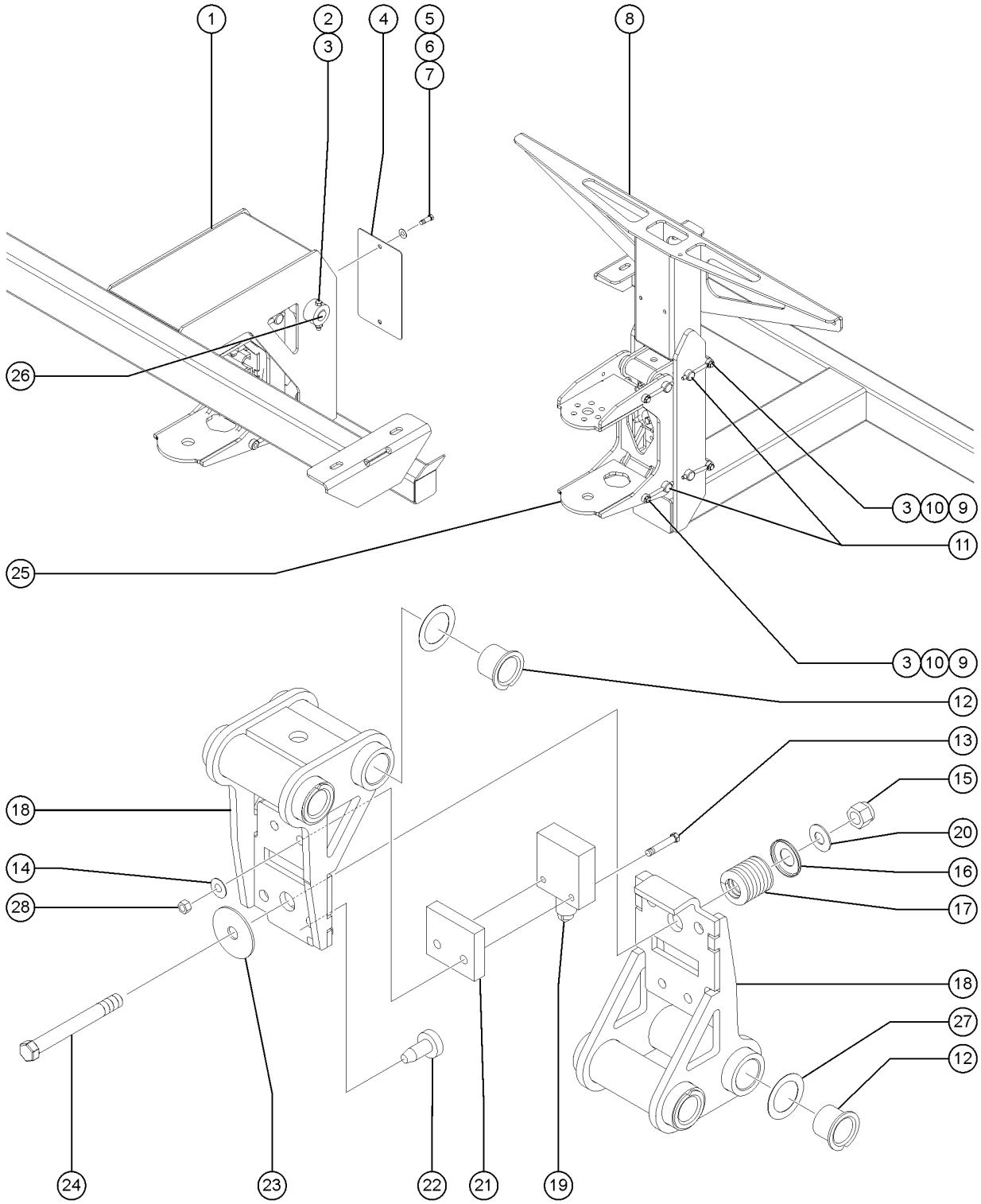
Item	Part No.	Description	Qty.
29	160534GT	U-BOLT,1/2-13 X 2.75 X 6.75, Z	2
30	49163-1100GT	ASSY, HOSE, HYD, -4, 3250, STR, 90	1
31	4266GT	SCREW,HHC,1/4-20 X 2	2
32	6638GT	WASHER, FLAT, USS, 1/4"Y	
33	6091GT	NUT,NYLOCK,1/4-20	
34	215333GT	FORMING, FRONT AXLE BRK	1

915.1 Operator Protective Structure



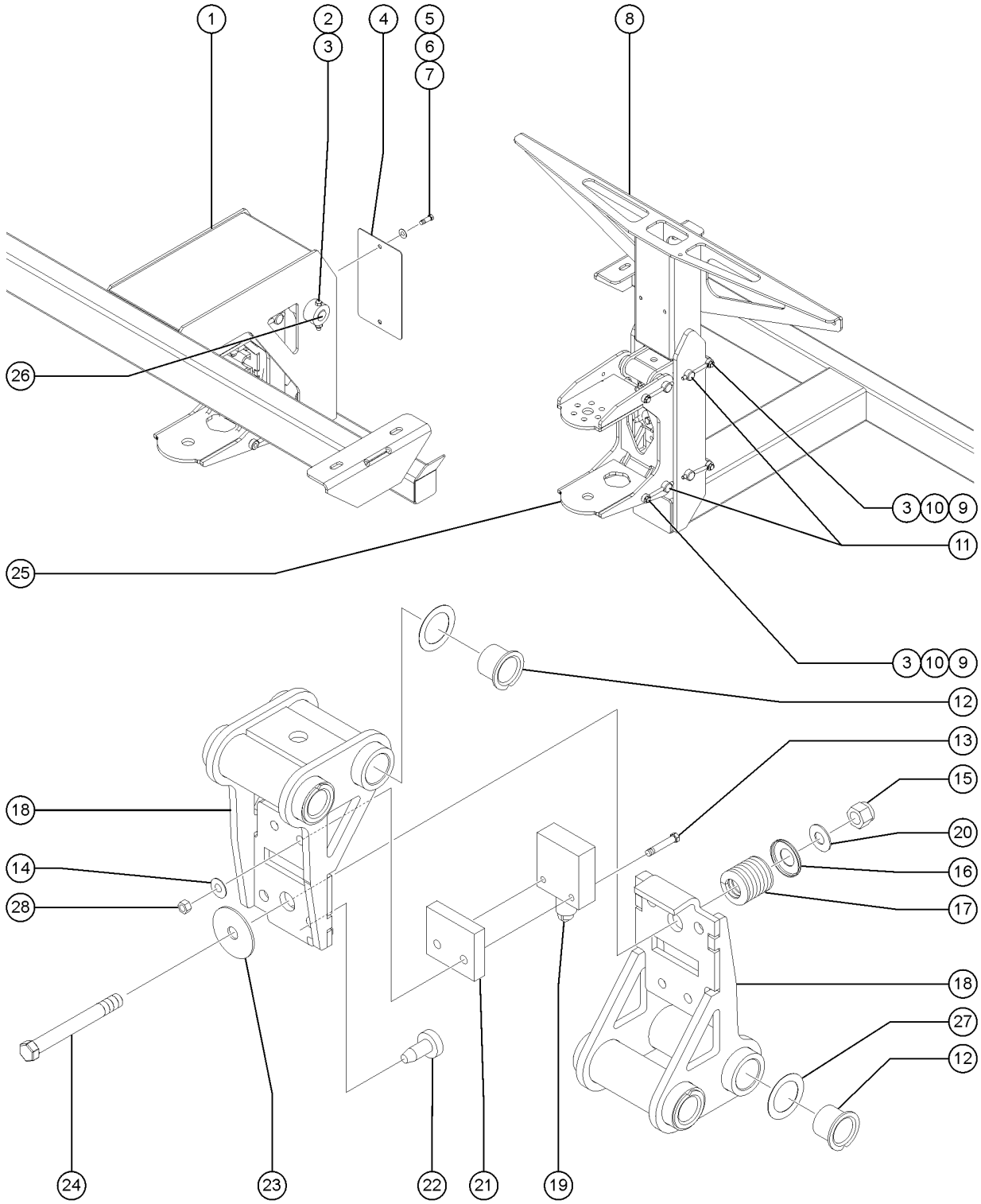
Item	Part No.	Description	Qty.
		Fits all 6' and 8' Booms	
1	219158GT	ACCESSORY,OPERATOR PROT STRUCT (Complete) includes all fasteners	1
2	1256468GT	NUT,3/8-16,8,ZAG	8
3	1255758GT	WASHER,FLAT,3/8,USS,ZAG	12
4	824069GT	SCREW, HHC, 3/8-16 X 2.5, 8, ZAG	4
5	1251600GT	U-BOLT, FLATTENED, 1.5DIA. X 3/8 UNC,ZAG	4
6	1261184GT	NUT,1/4-20,8,ZAG	4
7	824120GT	WASHER, FLAT, .375 X 1.50 X .125, ZAG Use only with the platform control box cover option	2
8	824113GT	WASHER,FLAT,USS,1/4,ZAG	6
9	824060GT	SCREW, HHC, 1/4-20 X 1, 8, ZAG	4
10		Ref. DECAL, INSTRUCTION, OPS refer to section 103.1, 104.1, 107.1, or 108.1	1

916.1 Platform Overload Option



Item	Part No.	Description	Qty.
C-	128045GT	MODULE,LOAD SENSE 2007	
1	98154GT	WELDMENT,PLAT SUPPORT,LS Z4525; non-jib models with platform overload option	1
2	4266GT	SCREW,HHC,1/4-20 X 2	
3	6091GT	NUT,NYLOCK,1/4-20	
4	94492PGT	PANEL,ACCESS PAINTED	1
5	6090GT	SCREW, HHC, 1/4-20 X .75	
6	6638GT	WASHER, FLAT, USS, 1/4"Y	
7	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	
8	61998GT	WELDMENT,PLATFORM SUPPORT Z4525J; jib models with platform overload option	1
9	6888GT	SCREW, HHC, 1/4-20 X 1 Z4525J	
10	825020GT	ROD END, .25 X 2.75, ZAG Z4525J	
11	61726GT	PIN,0.75DIAX5.75LG,CHAMFER Z4525J	
12	25685GT	BEARING,GARLOCK,12FDU12	8
13	73634GT	SCREW,PHIL,PHM,10-24X1.5 ZINC	
14	6146GT	WASHER,FLAT,MS,#10,Y	
15	4828GT	NUT, NYLOCK, 3/8-16	
16	61975GT	RETAINER,SPRING,1.21 X .375	1
17	61974GT	SPRING,COMP,1" OD,232 LB/IN	1
18	101512GT	LOAD SUPPORT WITH BEARINGS includes item 12	2
19A	94642GT	SWITCH,LOAD LIMIT (to SN Z452510A-39313 and Z452510B-1487) Z-45/25	
19B	147786GT	ASSY, LS, LOAD SENSE, 89 IN (from SN Z452510A-39314 and Z452510B-1488) Z-45/25	
20	6097GT	WASHER, FLAT, USS, 3/8", Y	
21	61972GT	MOUNT,SWITCH	1
22	34619GT	BUMPER,RUBBER***	1
23	15086GT	WASHER,FLAT,.375 X 1.5 X .125	
24	21604GT	SCREW,HHC,3/8-16 X 3.25	
25	61987GT	WELDMENT,ROTATOR MOUNT	1
26	99174GT	PIN,0.75DIAX8.75LG,CHAMFER	2

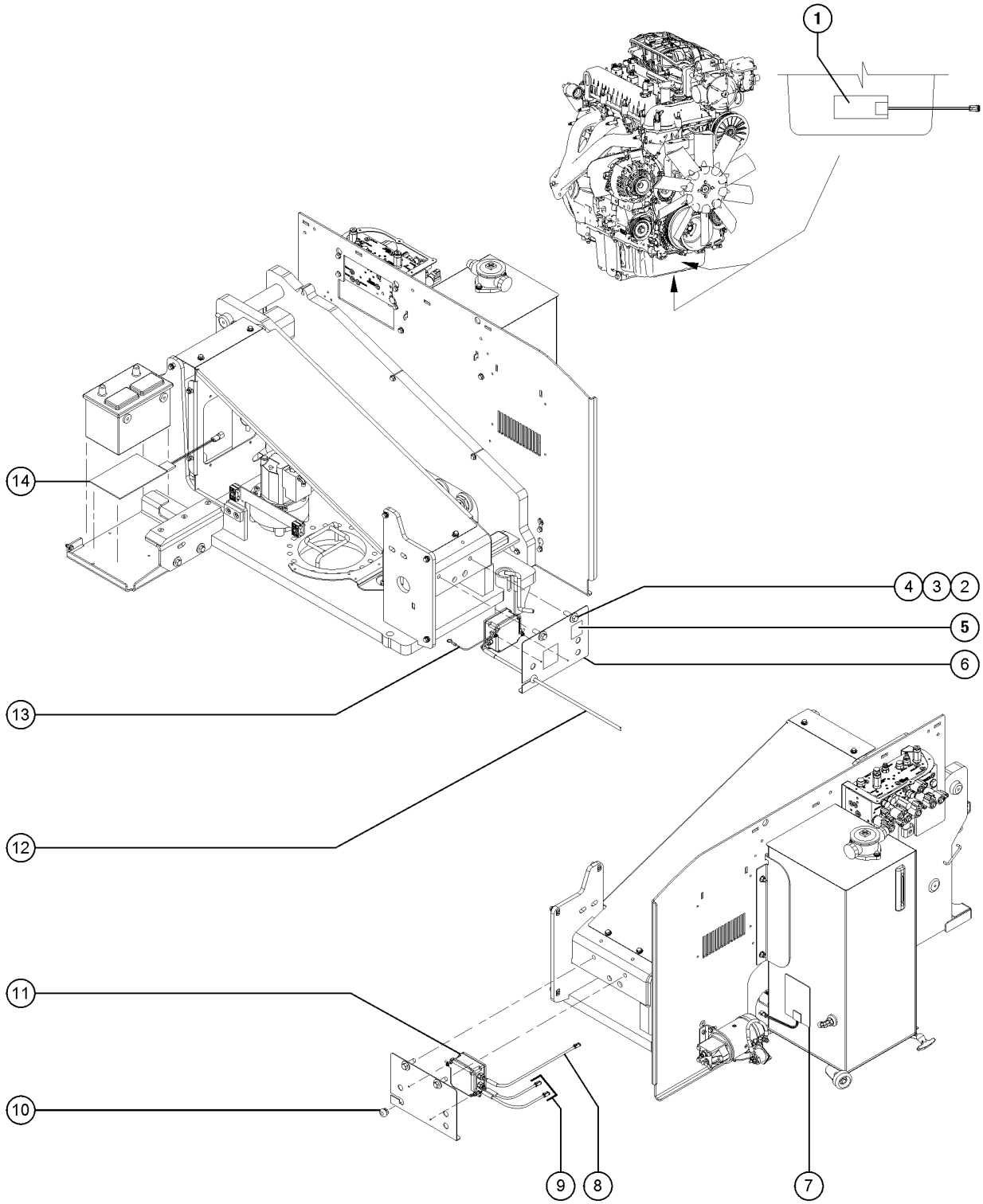
916.1 Platform Overload Option



916.1 Platform Overload Option

Item	*Part No.*	*Description*	*Qty.*
26-	94643GT	ZERK,GREASE,5/16-24,STRAIT	
27	110789GT	WASHER,SHIM .0151 THK.	as-needed
28	5365GT	NUT,NYLOCK,10-24	

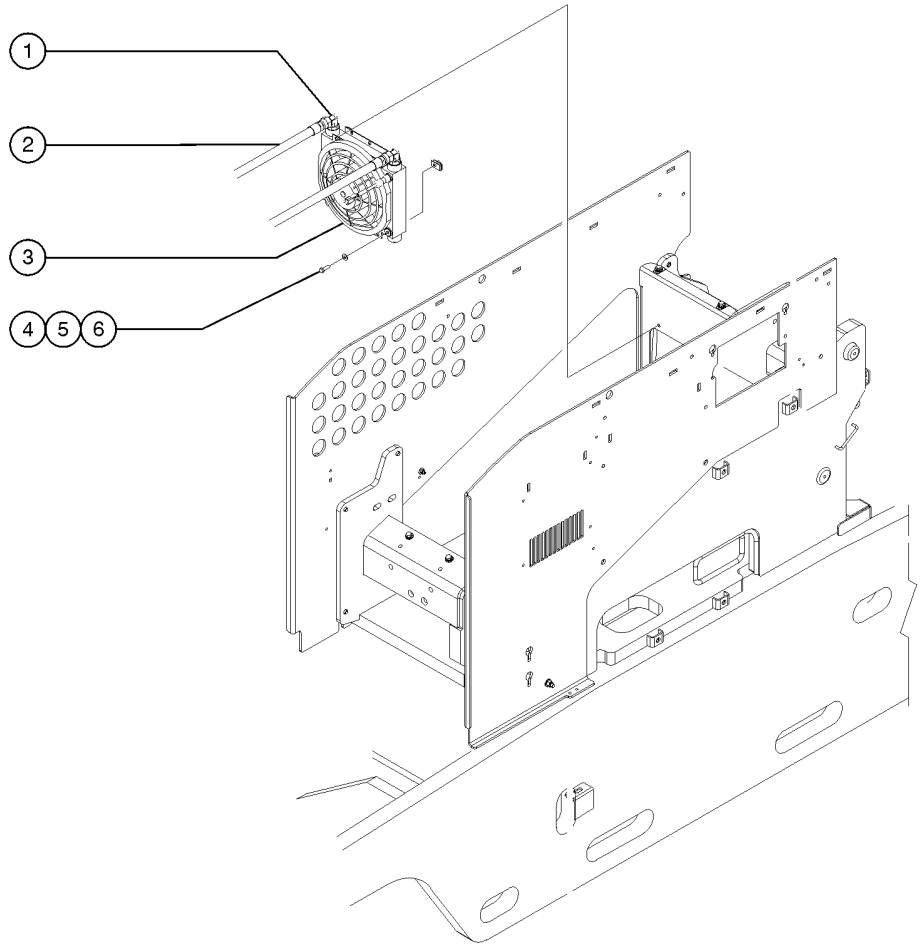
917.1 Cold Weather Package



917.1 Cold Weather Package

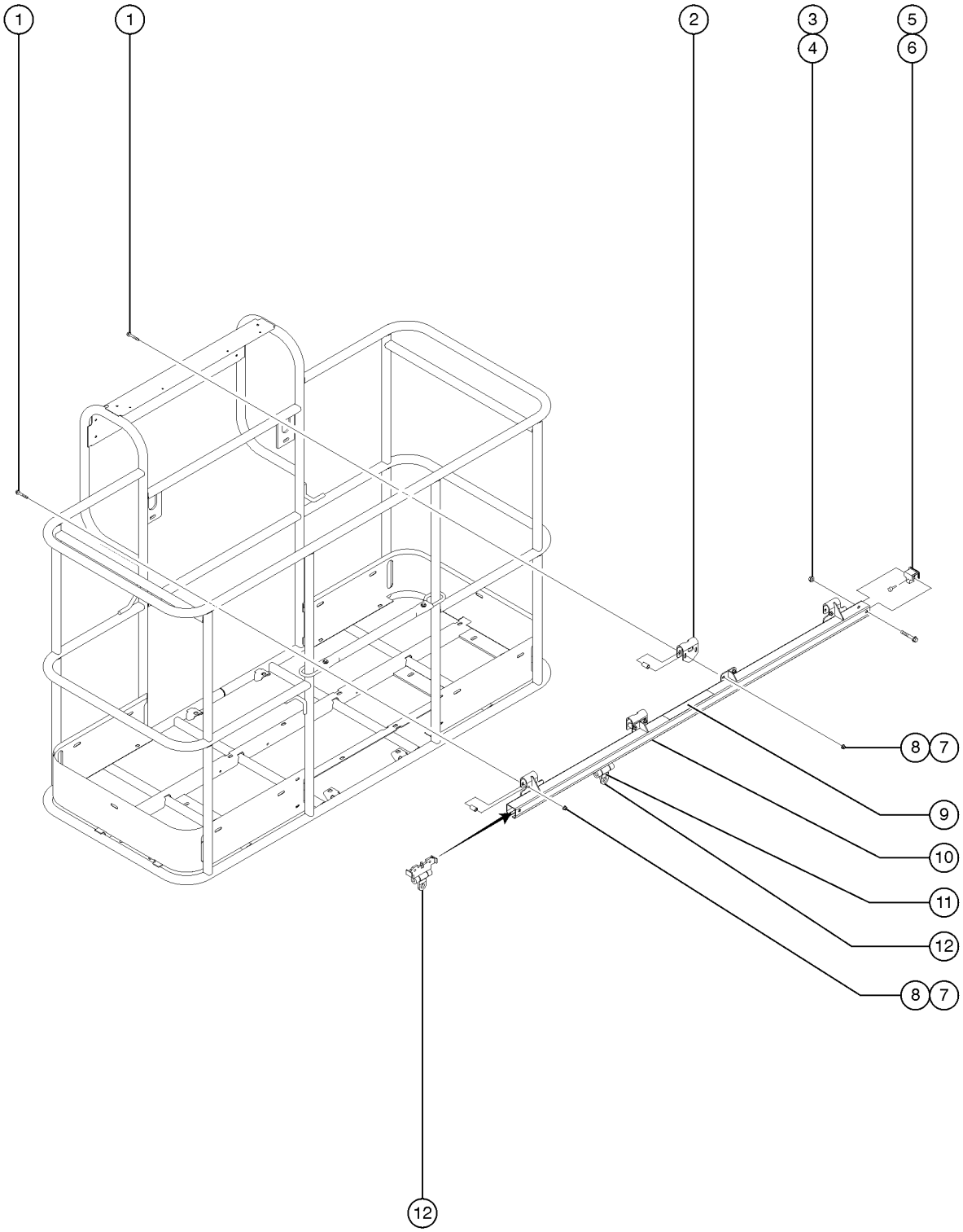
Item	Part No.	Description	Qty.
1A	216615GT	ASSY HEATER, MODEL 18, 120V 120V	1
1B	216616GT	ASSY HEATER,MODEL 18,240V 240V	
2	22788GT	SCREW,HHC,1/2-13 X 1.75	2
3	6095GT	WASHER,FLAT,USS,1/2",Y	4
4	6198GT	NUT, NYLOCK, 1/2-13	2
5		REF: DECAL,POWER TO PLATFORM (section 100)	
6	219241GT	FORMING,MOUNTING BRACKET	1
7A	216612GT	ASSY,120V HEATER, HYD TANK 120V	1
7B	216611GT	ASSY,240V HEATER, HYD TANK 240V	
8A	161029GT	HARNESS,BATTERY HEATER 120V 120V	1
8B	161031GT	HARNESS,BATTERY HEATER 240V 240V	
9A	161028GT	HARNESS,ENG/HYD HEATER 120V 120V	1
9B	161030GT	HARNESS,ENG/HYD HEATER 240V 240V	
10A	128118GT	BUSHING,STRAIN RELIEF,.875/.40 120V	1
10B	139318GT	BUSHING,STRAIN RELIEF,.875/.30 240V	
11A	214249GT	COLD WEATHER 120V J BOX ASSY 120V (also order PN 219241 to complete installation)	1
11B	237711GT	COLD WEATHER 240V J BOX ASSY 240V (also order PN 219241 to complete installation)	
12A	216645GT	HARNESS, 120V POWER CORD, 12" 120V (also order PN 219241 to complete installation)	1
12B	216646GT	HARNESS, 240V POWER CORD, 12" 240V	
13	161456GT	ASSY,COLD WEATHER GROUND	1
14A	216617GT	ASSY, BATTERY HEATER, 120V 120V	1
14B	216618GT	ASSY BATTERY HEATER,240V 240V	

918.1 Oil Cooler



Item	Part No.	Description	Qty.
A-	220234GT	HARNESS,RELAY,OIL COOLER	1
1	48959GT	FITTING,ELBOW,90D,520220-12	2
2A	49150-7630GT	ASSY, HOSE, HYD, -12, 1750, STR, 90	1
2B	49151-6348GT	HOSE ASSY,3/4,STR FEM,STR FEM	1
3	71259GT	OIL COOLER W/FAN, 12VDC	1
3-	75854GT	FAN - VENTED	
3-	75855GT	THERMOSTAT -OIL COOLER (71259)	
4	6888GT	SCREW, HHC, 1/4-20 X 1	4
5	6638GT	WASHER, FLAT, USS, 1/4"Y	4
6	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	4

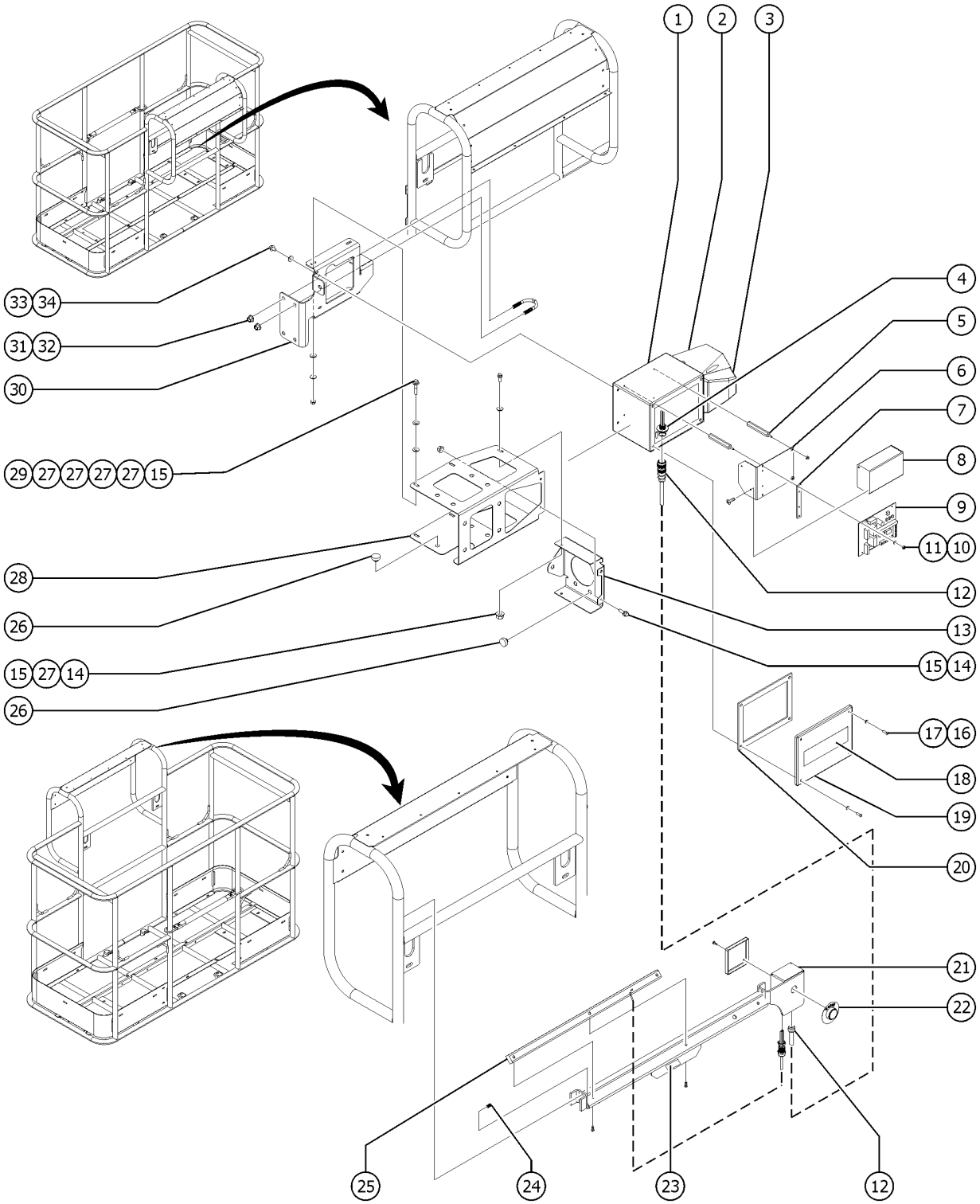
919.1 Fall Arrest Bar



919.1 Fall Arrest Bar

Item	Part No.	Description	Qty.
1	1256856GT	SCREW,HHF,3/8-16X2.5,8,ZAG	4
2	1256389GT	FORMING,INNER HANGER	2
3	1251997GT	NUT,TL FLG,1/2-13,G,ZAG	2
4	1256851GT	SCREW,HHF,1/2-13X3.5,8,ZAG	2
5	1260892GT	END STOP. TFAAS TRACK	2
6	36388GT	BUMPER,RUBBER,.75 X .50H,STUD	2
7	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	8
8	1256481GT	SPACER, HANGER BRACKET	8
9A	1256400GT	DECAL,TFAAS TRACK,WORD	1
9B	1260910GT	DECAL,TFAAS TRACK,SYMBOL	1
9C	1256400FRGT	DECAL,TFAAS TRACK,WORD FR	1
10A	1256378GT	ACC,TFAAS FALL ARREST,6FT WORD includes instructions and decals	1
10A-	1256380GT	ASSY,TFAAS TRACK,6FT WORD includes decals	
10B	1261023GT	ACC,TFAAS FALL ARREST,6FT SYM includes instructions and decals	1
10B-	1261025GT	ASSY,TFAAS TRACK,6FT SYM includes decals	
10C	1261019GT	ACC,TFAAS FALL ARREST,6FT FR includes instructions and decals	1
10C-	1261021GT	ASSY,TFAAS TRACK,6FT FR includes decals	
11	40434GT	DECAL,LANYARD ANCHORAGE POINT	1
12	1256439GT	TROLLEY, TFAAS TRACK	1

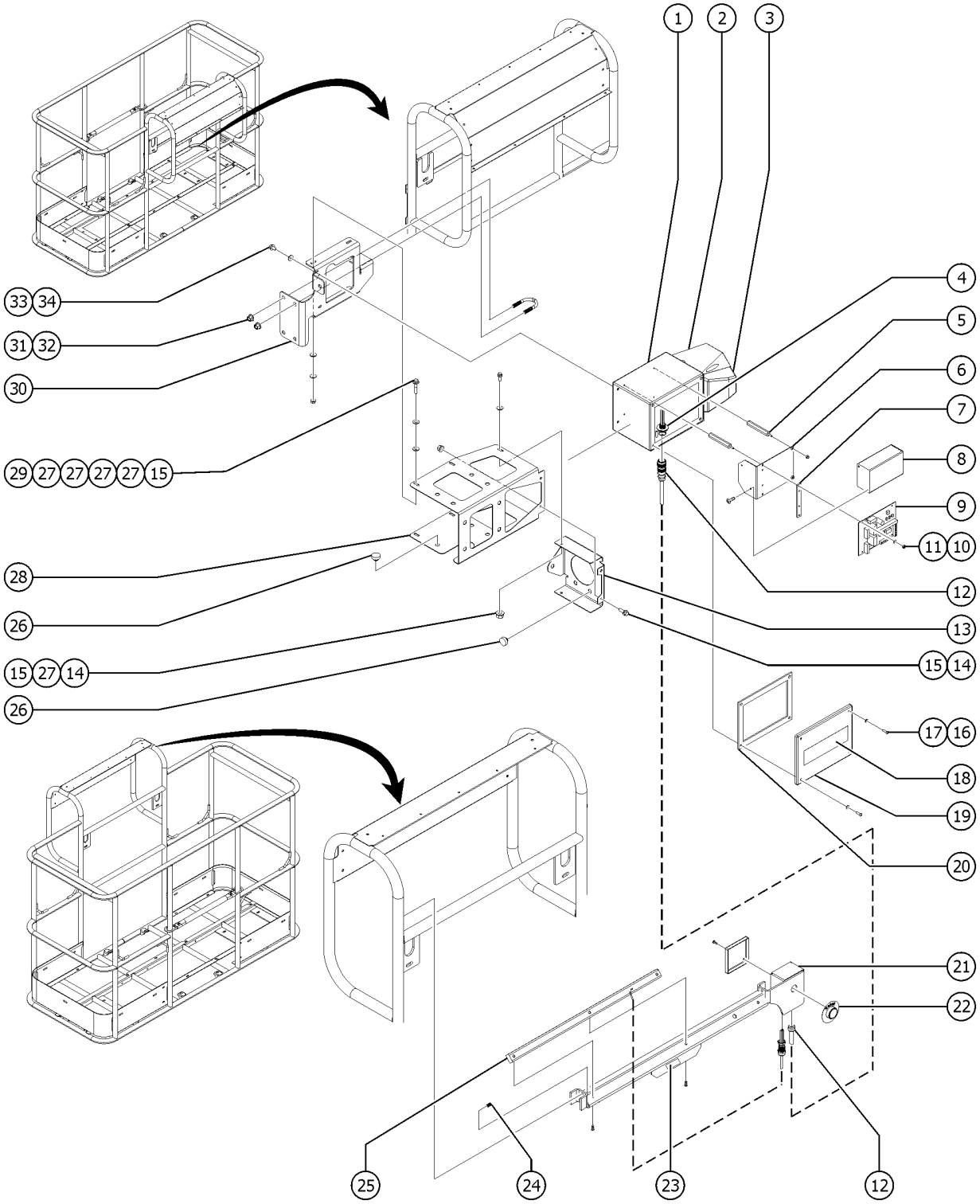
920.1 Operators Protection Alarm (to January 2017)



920.1 Operators Protection Alarm (to January 2017)

Item	Part No.	Description	Qty.
A-	1271945GT	KIT, OPA WELDER BRACKET	1
B	1275537GT	ASSEMBLY, OPA PROTECTION CAGE	1
1	1255018GT	BASE ENCLOSURE,RED,OPA	1
2		SOUNDER,MIDI,OPA No longer available	1
3A		SOUNDER LENS, OPA, BLUE (standard lens fitted to OPA)No longer available (contact customer service)	1
3B		SOUNDER LENS, OPA, RED No longer available (contact customer service)	1
4		HARN,PIGTAIL,TAPESWITCH,OPA No longer available (contact customer service)	1
5		STAND OFF,CONTROL UNIT No longer available (contact customer service)	4
6		BRACKET,CONTROL UNIT No longer available (contact customer service)	1
7		SPACER,HEAT SINK No longer available (contact customer service)	1
8		ASSY,MODULE,CONTROL UNIT,OPA No longer available (contact customer service)	1
9		MODULE,CONTROL UNIT,PCB,OPA No longer available (contact customer service)	1
10		NUT,M4 NYLOCK No longer available	4
11		WASHER,M4 NYLON No longer available	4
12		ASSEMBLY,CABLE,TAPESWITCH No longer available (contact customer service)	1
13	1275539GT	FORMING, OPA CAP	1
14	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	5
15	824027GT	NUT, TL FLG, 1/4-20, G, ZAG	9
16		SCREW,M5X16 BHD No longer available	4
17	1255027GT	WASHER,M5 NYLON	4
18	1255890GT	DECAL,COSMETIC,GENIE	1
19		LID ENCLOSURE,RED,OPA No longer available	1
20		GASKET,ENCLOSURE No longer available	1
21		ASSEMBLY,TAPESWITCH (6'/8' platforms) (includes j-box and fasteners)No longer available (contact customer service)	1
22	1255036GT	ASSEMBLY RESET SWITCH	1
23	1255889GT	DECAL,SYMBOL-READ THE MANUAL	1
24		SCREW,M6X8 No longer available	2
25		SENSOR,RUBBER EDGE (6'/8' platforms)No longer available (contact customer service)	1

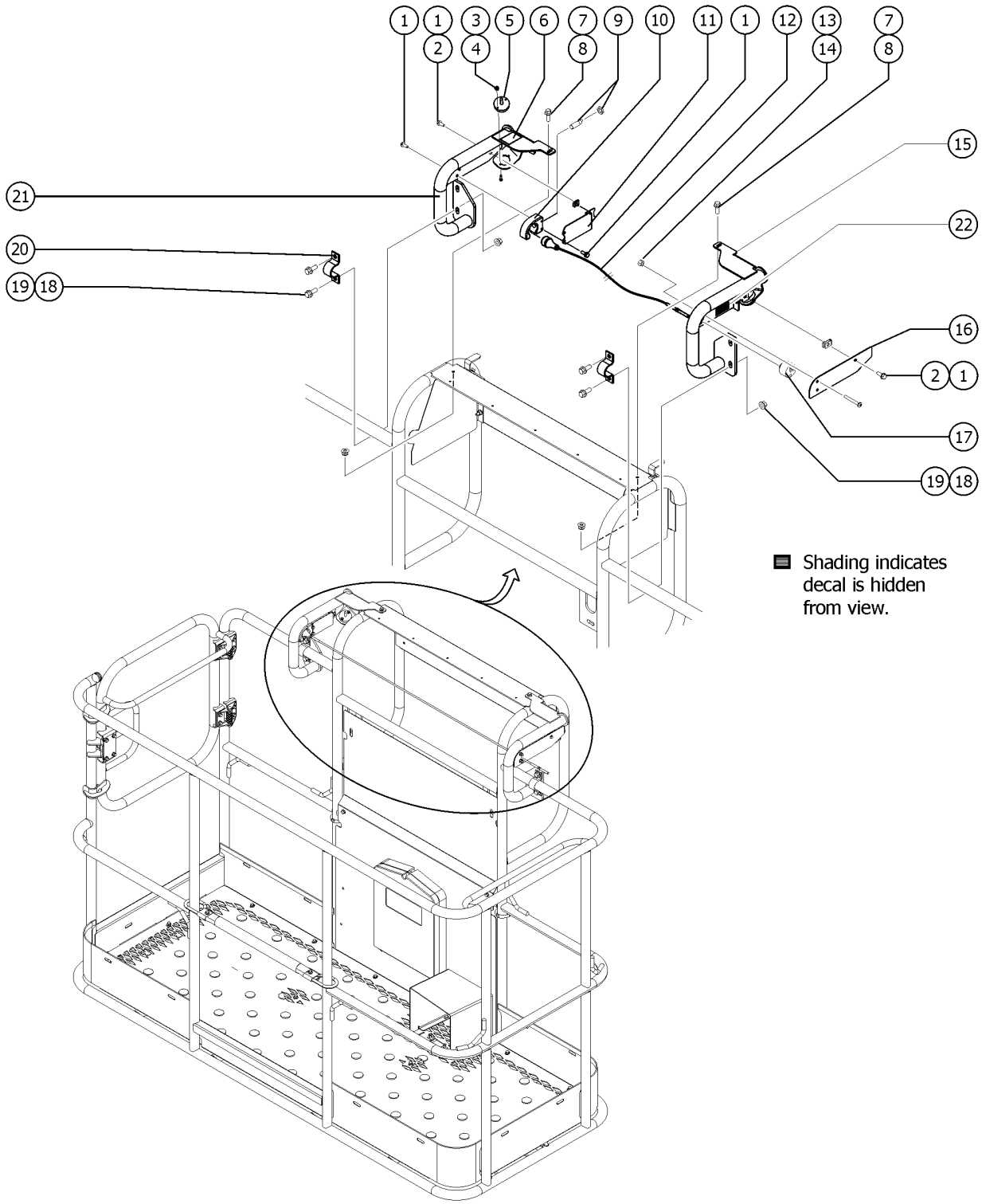
920.1 Operators Protection Alarm (to January 2017)



920.1 Operators Protection Alarm (to January 2017)

Item	*Part No.*	*Description*	*Qty.*
26	43392GT	BUMPER,BATTERY BOX & RAILS	17
27	824113GT	WASHER,FLAT,USS,1/4,ZAG	19
28	1275538GT	FORMING, OPA CAGE	1
29	824080GT	SCREW, HHF, 1/4-20 X 1.25, 8, ZAG	4
30	1275540GT	FORMING, OPA, BRACKET	1
31	824029GT	NUT, TL FLG, 3/8-16, G, ZAG	4
32	1251600GT	U-BOLT, FLATTENED, 1.5DIA. X 3/8 UNC,ZAG	2
33	237238GT	SCREW,HHF,M6-1.0X12,DIN6921,10	2
34	1257389GT	WASHER, FLAT, M6X18X1.6,DIN9021,ZAB	2

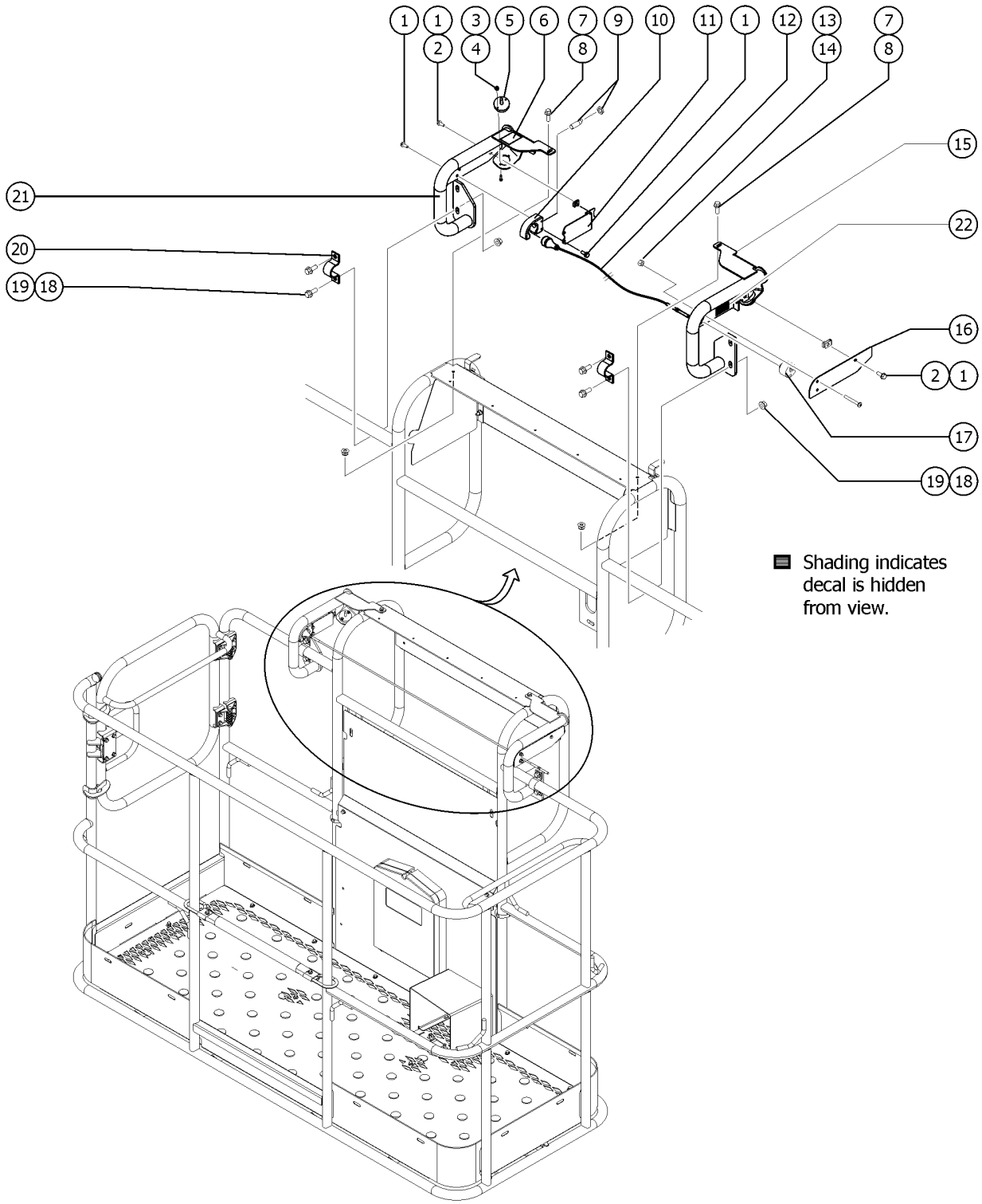
920.2 Lift Guard Contact Alarm Option (from January 2017)



920.2 Lift Guard Contact Alarm Option (from January 2017)

Item	Part No.	Description	Qty.
A-		From January 2017, this option became a standard installation on all models unless the customer specifically request not to have it installed	
B-	1279135GT	KIT, LIFT GUARD CONTACT ALARM,6'-8' PLATFORM,NON-ALC1000 measure platform before ordering - for 5', 6', and 8' platforms only.	
C-	1278455GT	HARNESS, OPA2	
D-	19274GT	RELAY,SPDT,12V(AUTO)**	
E-	1278121GT	MODULE, PLUS+1, OPA2 located inside the Platform Control Box	
1	1264934GT	SCREW,HHF,10-24X.5	
2	73575GT	SPRING CLIP,10-24,.025-.125X.468,ZAG	
3	12344GT	NUT,NYLOCK,6-32	
4	1256859GT	SCREW,PHPM,6-32X.875,ZAG	
5	1278111GT	ASSEMBLY, LIGHT, CONTACT ALARM	2
5B	1285850GT	ASSEMBLY,AMBER LIGHTS,CONTACT	
6	1278542GT	DECAL, INSTRUCTION, CONTACT ALARM	
7	824078GT	SCREW,HHF,1/4-20X.75,8,ZAG	
8	1277924GT	NUT,NYLOCK FLG,1/4-20,F,ZAG	
9	1278119GT	ASSEMBLY, SENSOR, PROX, CONTACT ALARM	1
10	1278433GT	ASSY SENSOR W/HOUSING (Includes holder item 1277877 and sensor part 1278119)	
10-	1277877GT	HOLDER, SENSOR	1
11	1277873GT	FORMING, SENSOR HOLDER	1
12	1278416GT	ASSEMBLY,CONTACT ALARM CABLE, LARGE	1
12-	1278124GT	MAGNET, 1/4-20, 15 LB. Part of assembly 1278416	
12-	1278458GT	CONTACT ALARM WIRE ASSY, LARGE Part of assembly 1278416	
12-	1278368GT	GRIP, CABLE Part of assembly 1278416	
12-	1261184GT	NUT,1/4-20,8,ZAG Part of assembly 1278416	
13	825352GT	SCREW,PHPM,10-32X1.25,ZAG	
14	1264261GT	NUT,SERRATED,10-32,ZAG	
15	1278138GT	WELDMENT, RIGHT CONTACT ALARM, LARGE	1
16	1277875GT	PLATE, CABLE AND WIRE COVER	1
17	1277876GT	GUIDE, CABLE	1

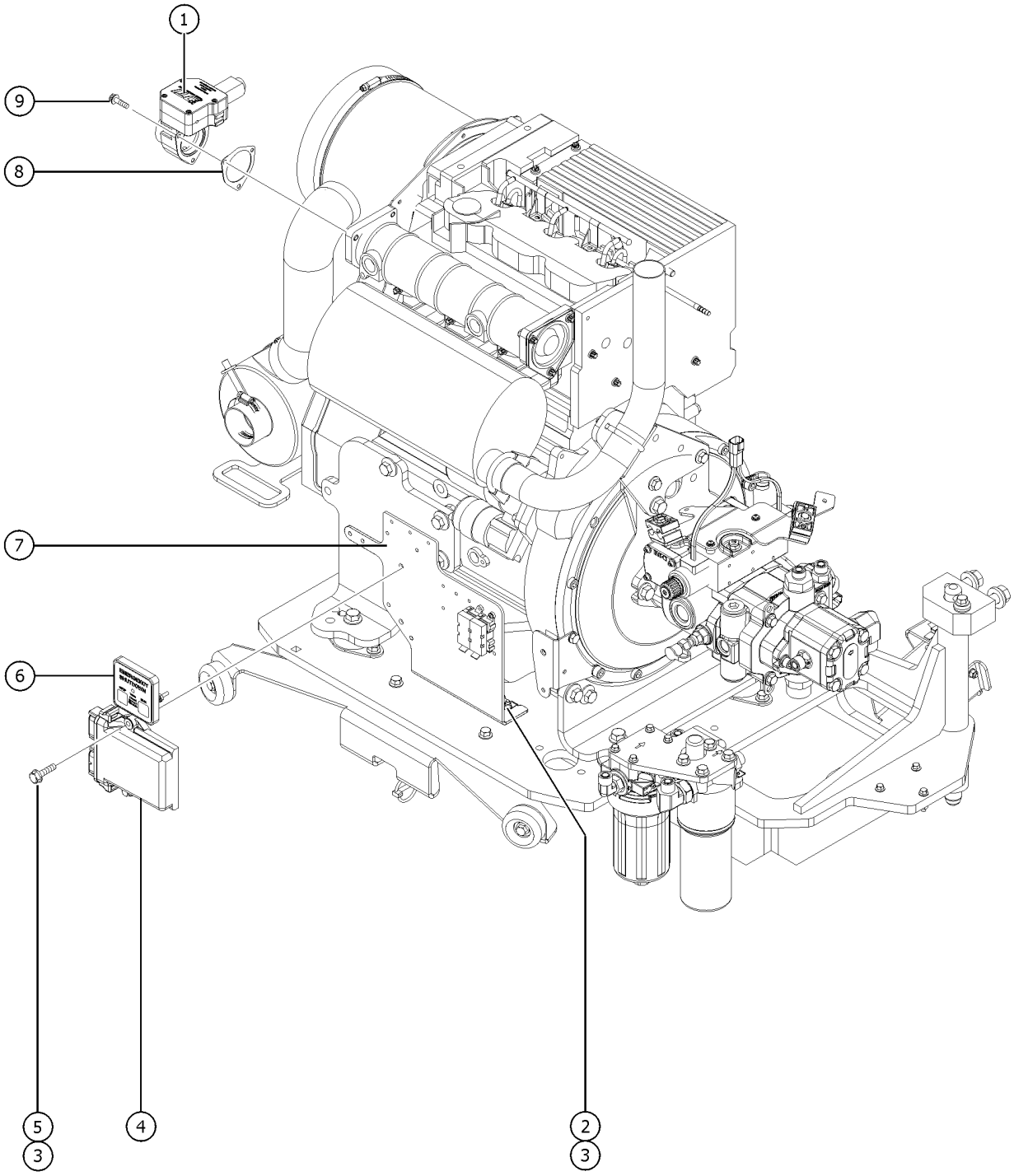
920.2 Lift Guard Contact Alarm Option (from January 2017)



920.2 Lift Guard Contact Alarm Option (from January 2017)

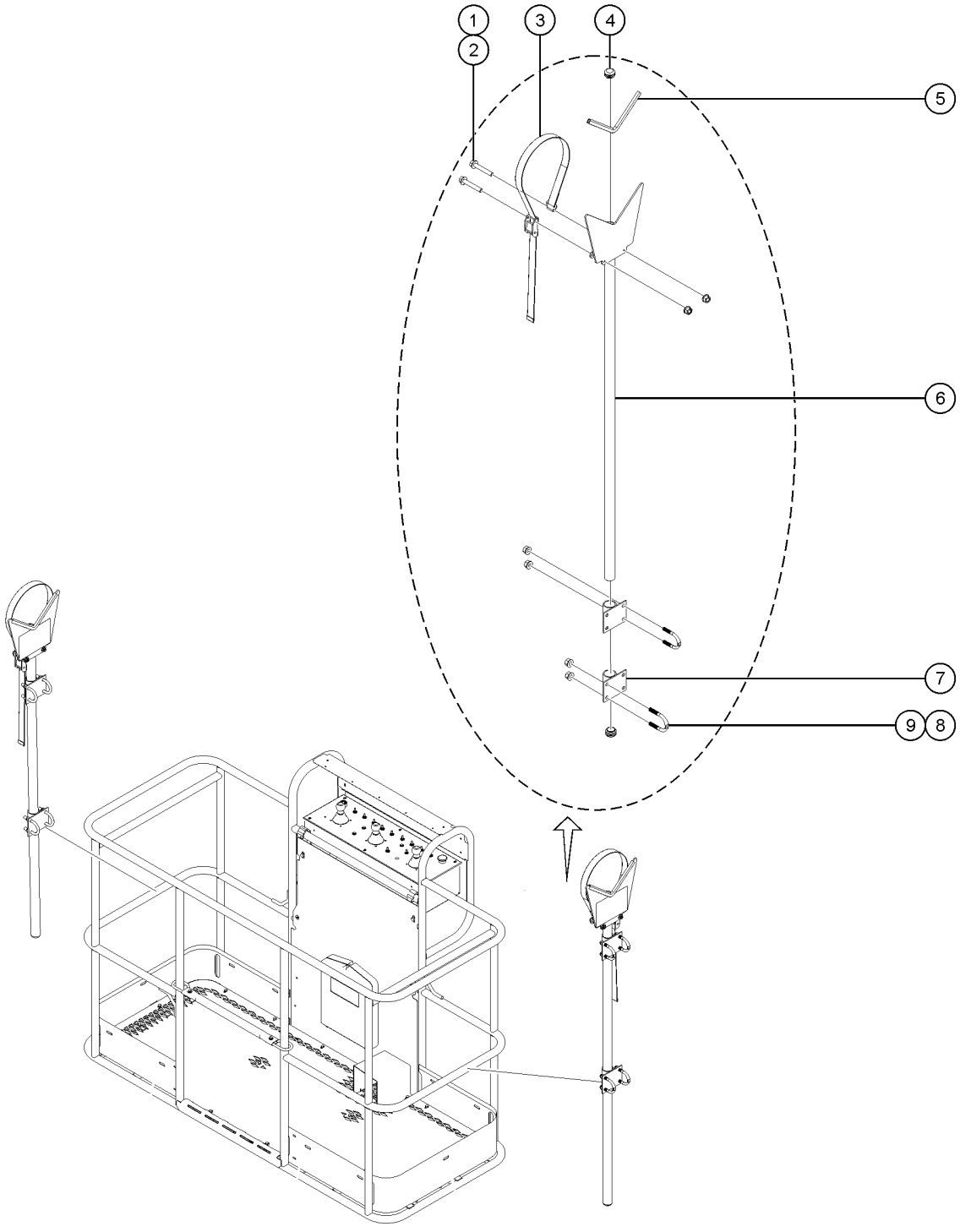
Item	*Part No.*	*Description*	*Qty.*
18	1274322GT	NUT,NYLOCK FLG,3/8-16,F,ZAG	
19	824090GT	SCREW,HHF,3/8-16X1,8,ZAG	
20	1278363GT	CLAMP, 1.25 INCH TUBE	2
21	1278144GT	WELDMENT, LEFT CONTACT ALARM, LARGE	1
22	1278982GT	DECAL, INSTRUCTION, ACTUATOR SWITCH SOCKET	1

921.1 Positive Air Shutoff



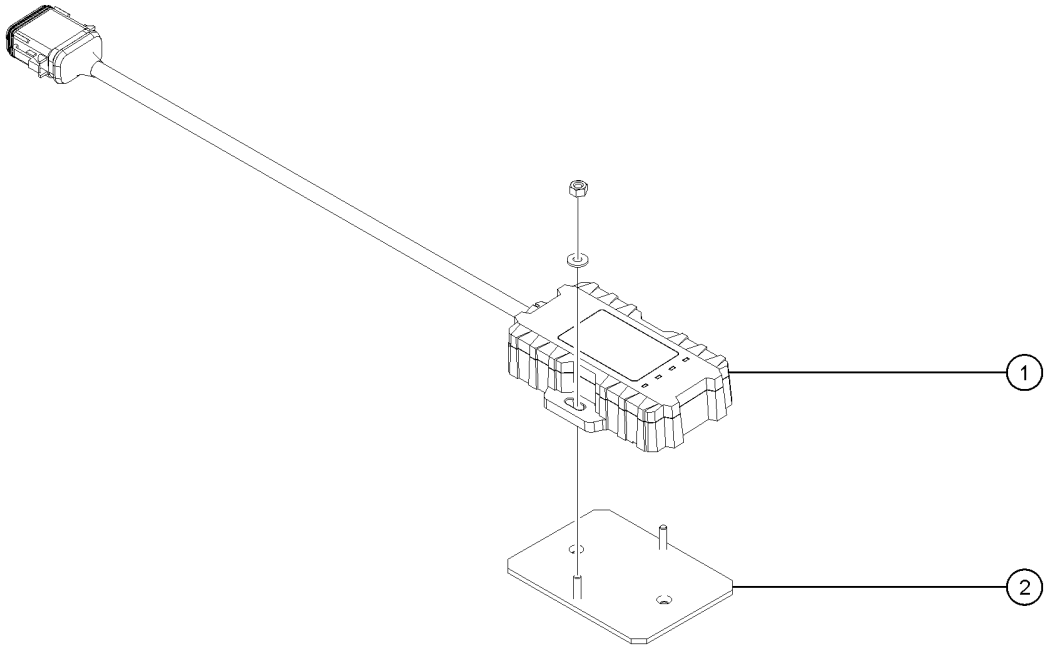
Item	Part No.	Description	Qty.
A	1264282GT	KIT, PAS VALVE, DEUTZ D2011L03	
B	1264293GT	HARNESS, VCU TO VALVE	1
C	1264294GT	HARNESS, VCU TO CONTROLS	1
1	1264497GT	VALVE, PAS, DEUTZ L03I	1
2	56912GT	SPRING CLIP,1/4-20,.025-.15X.54,ZAG	2
3	824080GT	SCREW, HHF, 1/4-20 X 1.25, 8, ZAG	
4	1264498GT	CONTROLLER, VCU, DEUTZ L03I	1
5	824027GT	NUT, TL FLG, 1/4-20, G, ZAG (hidden from view)	
6	1264499GT	CONTROLLER, DASH, BASIC PLUS	1
7	216343GT	MOUNTING BRKT,ELECTRICAL PANEL	1
8	128079GT	GASKET, DEUTZ 2011 INTAKE	1
9		FASTENERS, Provided with kit 1264282GT (use existing fasteners)	

922.1 Pipe Cradle Option



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	55753GT	BUMPER, PLASTIC, 1.25 O.D.	4
5	19018-1100GT	TRIMLOCK,BLACK,5/32"	2
6	56525GT	WELDMENT, PIPE CRADLE	2
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

923.1 Telematics Option (from SN Z452515A-53160, SN Z452515B-4451 & SN Z452515D-327)



923.1 Telematics Option (from SN Z452515A-53160, SN Z452515B-4451 & SN Z452515D-327)

Item	*Part No.*	*Description*	*Qty.*
-	1292198GT	HARNESS, RETROFIT, M7 for units after SN Z452515A-53160, SN Z452515B-4451, SN Z452515D-327 for first time insulation, must order this Harness with one of the models 1289520GT, 1289521GT, 1289522GT, or 1289523GT	1
1	1289520GT	MODULE, TELEMATICS, ZTR, M7, NORTH AMERICA North America	1
1B	1289521GT	MODULE, TELEMATICS, ZTR, M7, EMEA/APAC EMEA/APAC	
1C	1289522GT	MODULE, TELEMATICS, ZTR, M7, APAC/ANZ APAC/ANZ	
1D	1289523GT	MODULE,TELEMATICS,ZTR,M7,JAPAN Japan	
2	1289561GT	BRACKET, TELEMATICS	1

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1488GT	455, 457
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5397GT	89, 91, 93, 95, 97, 101...
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6019GT	105, 109, 119, 121, 123, 151...
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6036GT	229, 275, 281, 287
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6091GT	73, 77, 89, 93, 95, 107...
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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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