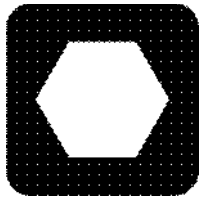


RT55H

Parts Manual



Ditch Witch[®]


RT55H

ISSUE NO. 10PL-06/11

For Replacement Copy Order **P/N 053-118**

This manual contains information concerning the following models:
RT55H Tractor

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FOREWORD

This manual contains illustrated parts lists to help you select quality ProTech[®] Replacement parts for your Ditch Witch[®] equipment. Using other replacement parts will lessen the productivity of your equipment.

- ◆ Part numbers enclosed in a box are no longer available from The Charles Machine Works, Inc. Your local Ditch Witch dealer may be able to locate the part for you.
- ◆ Footnotes provide more information to help you identify parts shown in the manual.
- ◆ Assembly instructions and Tech Bits articles referenced in footnotes are available through your local Ditch Witch dealer.
- ◆ Description and specifications in this book were current at publication. However, The Charles Machine Works, Inc. reserves the right to improve equipment, so this manual might not reflect the most current improvements.
- ◆ Instructions on recommended equipment use and maintenance are in the Operator's Manual that was shipped with your equipment.

Keep the following in mind when ordering ProTech replacement parts:

- ◆ Specify parts you need by part number and description, not by illustration reference numbers.
- ◆ Have equipment model and serial number on hand to help ensure you get the right parts for your machine whether it's old or new.

Thank you for buying and using Ditch Witch equipment and ProTech replacement parts.

WARRANTY

DW WARRANTY Policy
July, 2005

POLICY 1: DITCH WITCH® EQUIPMENT AND REPLACEMENT PARTS LIMITED WARRANTY POLICY

Subject to the limitation and exclusions herein, free replacement parts will be provided at any authorized Ditch Witch dealership for any Ditch Witch equipment or parts manufactured by The Charles Machine Works, Inc. (CMW) that fail due to a defect in material or workmanship within one (1) year of first commercial use (Exception: 2 years for all SK500 Attachments). Free labor will be provided at any authorized Ditch Witch dealership for installation of parts under this warranty during the first year following "initial commercial" use of the serial numbered Ditch Witch equipment on which it is installed. The customer is responsible for transporting their equipment to an authorized Ditch Witch dealership for all warranty work.

EXCLUSIONS FROM PRODUCT WARRANTY

- All incidental or consequential damages.
- All defects, damages, or injuries caused by misuse, abuse, improper installation, alteration, neglect, or uses other than those for which products were intended.
- All defects, damages, or injuries caused by improper training, operation, or servicing of products in a manner inconsistent with manufacturer's recommendations.
- All engines and engine accessories (these are covered by original manufacturer's warranty).
- Tires, belts, and other parts which are subject to another manufacturer's warranty. (Such warranty will be available to purchaser.)
- ALL IMPLIED WARRANTIES NOT EXPRESSLY STATED HEREIN, INCLUDING ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY.

IF THE PRODUCTS ARE PURCHASED FOR COMMERCIAL PURPOSES, AS DEFINED BY THE UNIFORM COMMERCIAL CODE, THEN THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE HEREOF AND THERE ARE NO IMPLIED WARRANTIES OF ANY KIND WHICH EXTEND TO A COMMERCIAL BUYER. ALL OTHER PROVISIONS OF THIS LIMITED WARRANTY APPLY INCLUDING THE DUTIES IMPOSED.

Ditch Witch products have been tested to deliver acceptable performance in most conditions. This does not imply they will deliver acceptable performance in all conditions. Therefore, to assure suitability, products should be operated under anticipated working conditions prior to purchase.

Defects will be determined by an inspection within thirty (30) days of the date of failure of the product or part by CMW or its authorized dealer. CMW will provide the location of its inspection facilities or its nearest authorized dealer upon inquiry. CMW reserves the right to supply remanufactured replacement parts under this warranty as it deems appropriate.

Extended warranties are available upon request from your local Ditch Witch dealer or CMW.

Some states do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply. Further, some states do not allow exclusion of or limitation of how long an implied warranty lasts, so the above limitation may not apply. This limited warranty gives product owner specific legal rights and the product owner may also have other rights which vary from state to state.

For information regarding this limited warranty, contact CMW's Product Support Department, P.O. Box 66, Perry, OK 73077-0066, or contact your local Ditch Witch dealer.

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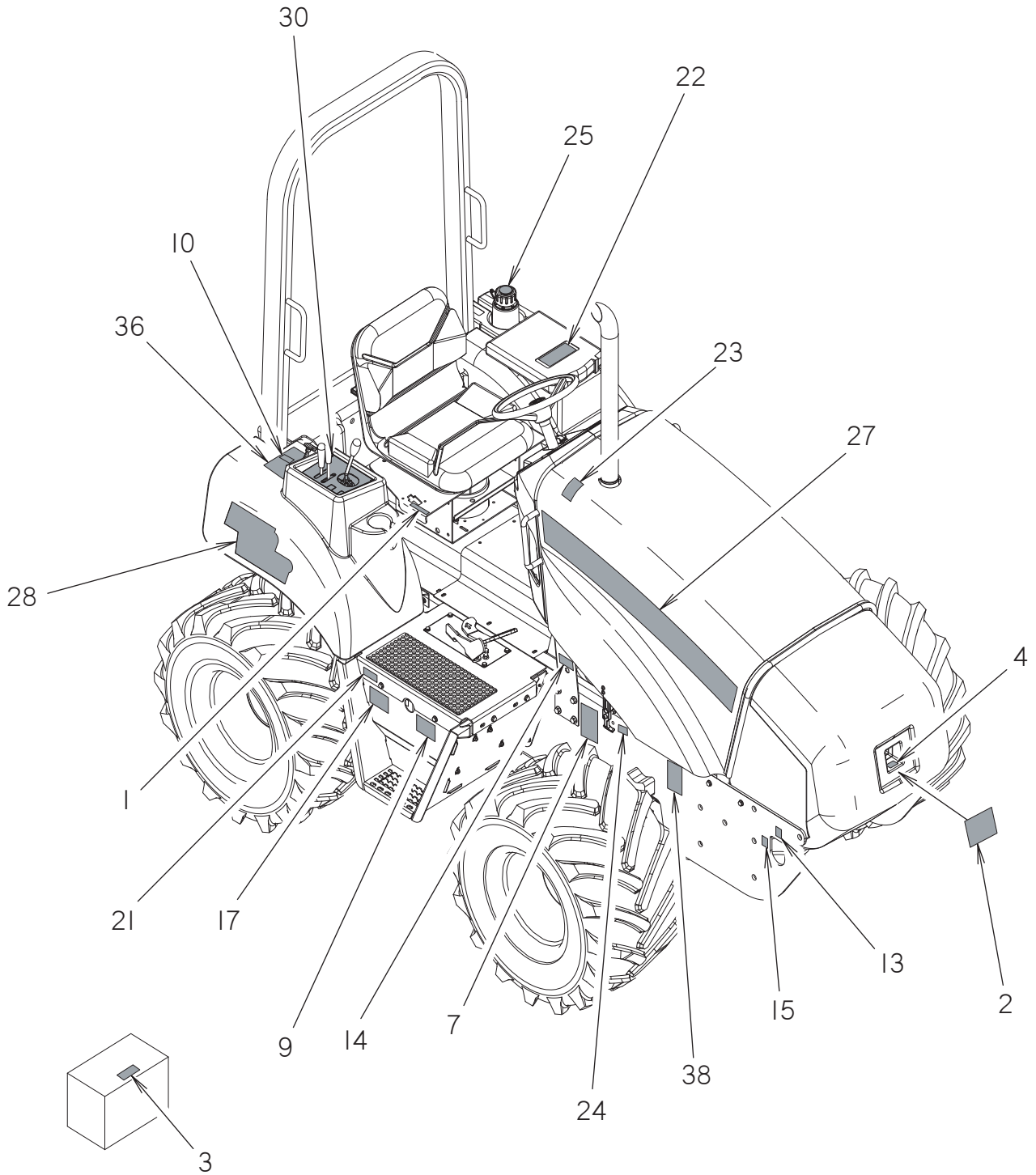
***See technical supplement for further
electrical information..... #053-119**

Miscellaneous

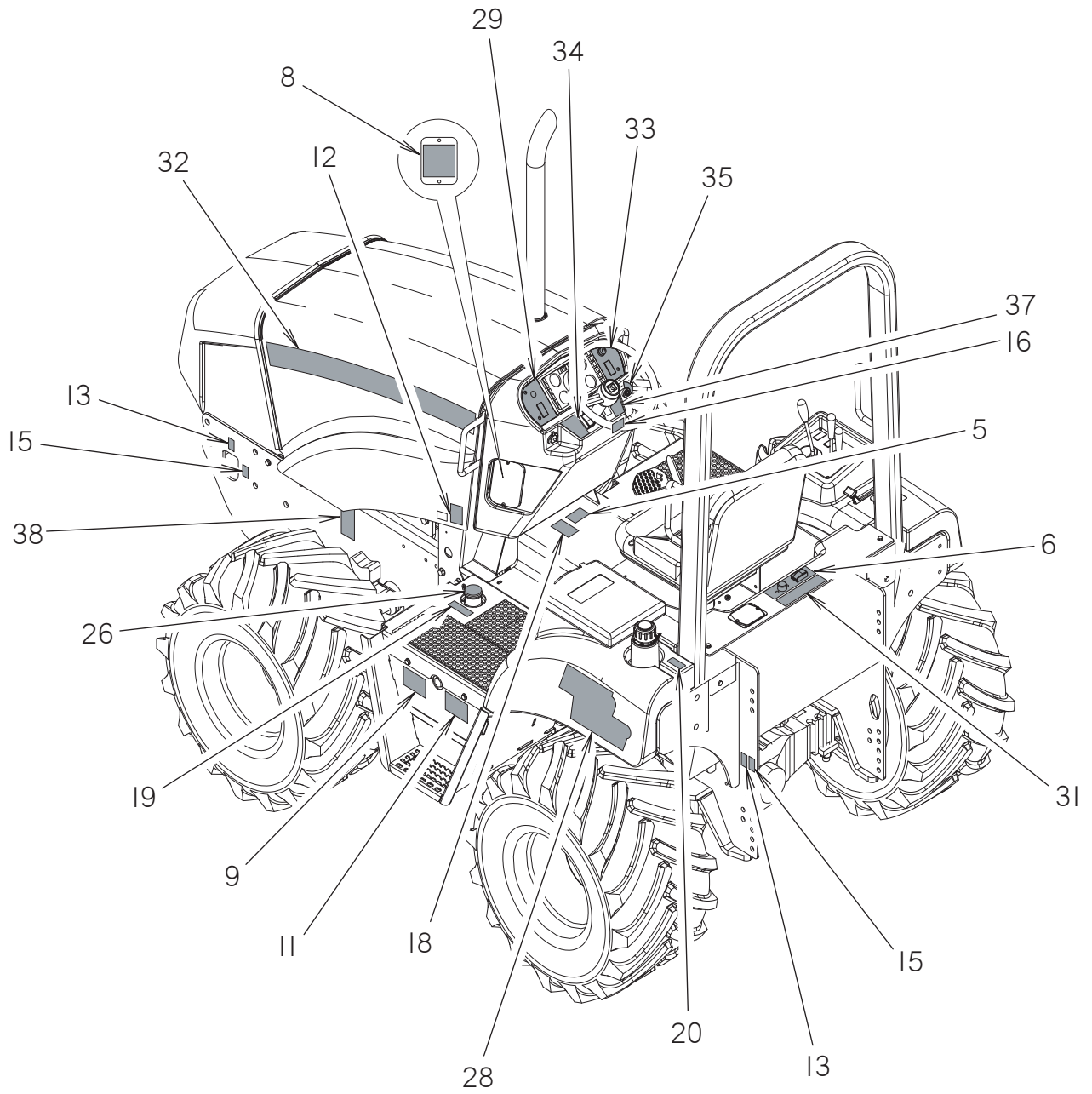
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DECALS

DECAL LOCATION RT55



DECAL LOCATION RT55



DECAL LOCATION

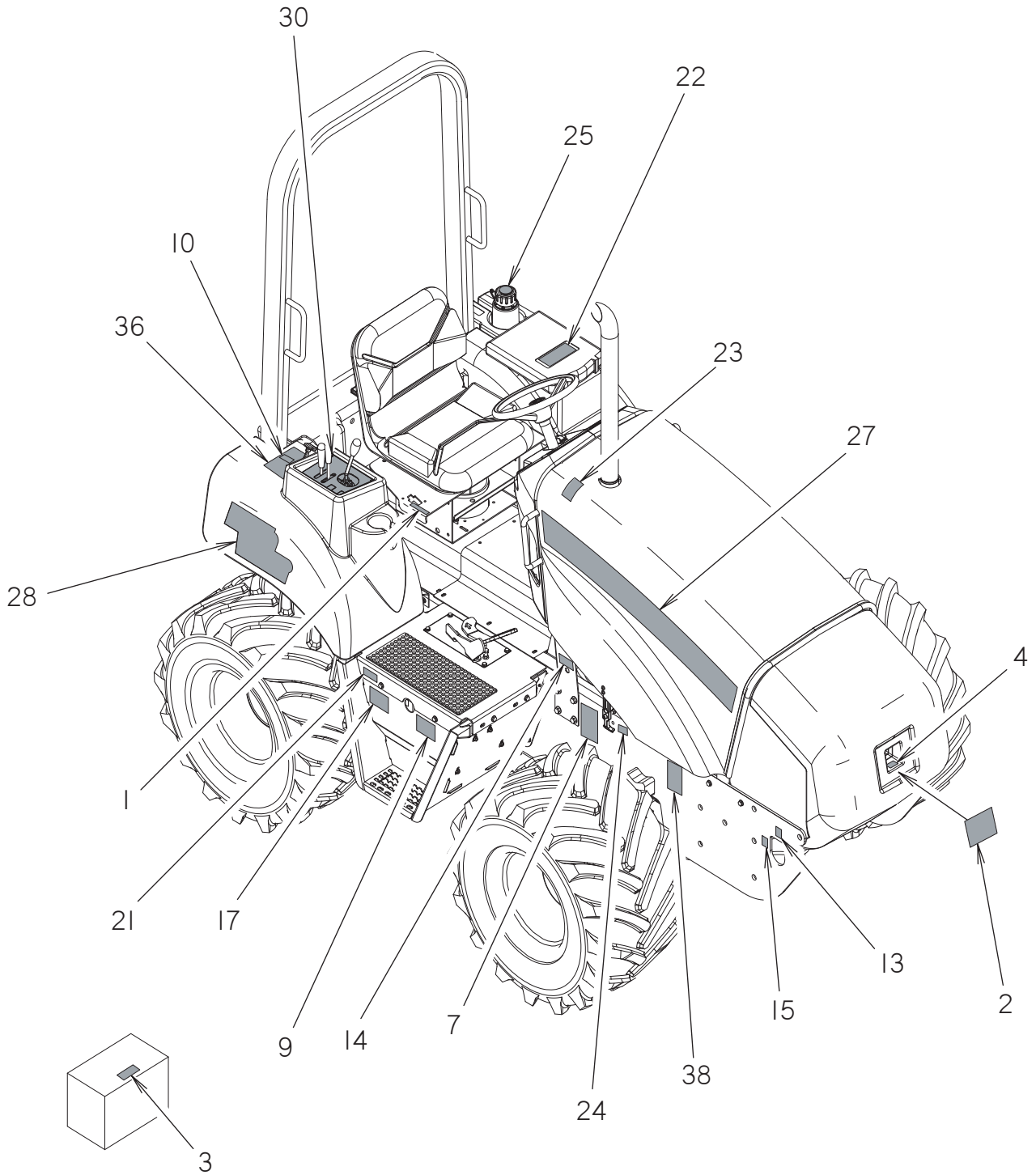
RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	275-915		DECAL KIT - RT55	
1	273-092	1	GROUND DRIVE CONTROL	
2	273-246	1	RIGID LOGO PLACARD	
3	273-267	1	DITCH WITCH BATTERY	
4	273-292	1	FRAME NOSE CASTING WEIGHT	
5	273-475	1	NOTICE-READ MANUAL	
6	273-476	1	CRUISE CONTROL OVERLAY	USE W/ CRUISE CONTROL KIT. SEE FOOT NOTE 1
7	273-477	1	RT55 LUBE SCHEDULE	
8	273-486	1	RT55 FUSE/RELAY	LOCATED INSIDE FACE OF ACCESS PANEL
9	273-487	2	WARNING FALL POSSIBLE	
10	274-087	1	REAR STEER INDICATOR	USE W/ REAR STEER, SEE FOOTNOTE 1
11	274-198	1	NOTICE OIL LEVEL	
12	274-291	1	SOUND POWER 10	SEE FOOT NOTE 1
13	274-318	4	TIE DOWN LOCATION	
14	274-375	1	MASTER DISCONNECT SWITCH	SEE FOOT NOTE 1
15	274-442	4	LIFT LOCATION	
16	700-133	1	ONE CALL NOTIFICATION	
17	275-033	1	NOTICE ELECTRICAL SYSTEM	
18	275-070	1	WARNING RUNAWAY	
19	275-120	1	RESERVOIR (THF)	
20	275-148	1	FUEL TANK (DIESEL)	
21	275-203	1	BATTERY	
22	275-303	1	WARNING ROLLOVER	
23	275-355	1	CAUTION HOT PARTS	
24	275-400	1	NOTICE OIL LEVEL	
25	700-062	1	DIESEL FUEL CAP	
26	700-063	1	HYDRAULIC OIL CAP	
27	700-134	1	RIGHT RT55 MODEL ID STRIPE	
28	700-118	2	STACKED DITCH WITCH LOGOTYPE	
29	700-119	1	LEFT CONSOLE	
30	700-122	1	BLADE/TILT/REAR STEER	
31	700-123	1	ATTACHMENT OVERLAY	
32	700-117	1	LEFT RT55 MODEL ID STRIPE	
33	700-136	1	RIGHT CONSOLE	
34	273-521	1	HI/LO/NOTICE	
35	700-138	1	IGNITION	
36	700-174	1	THROTTLE	W/O REAR STEER
	700-141	1	THROTTLE/REAR STEER	W/ REAR STEER, SEE FOOTNOTE 1
37	700-175	1	PARKING BRAKE	
38	273-546	2	WARNING MOVING PARTS	

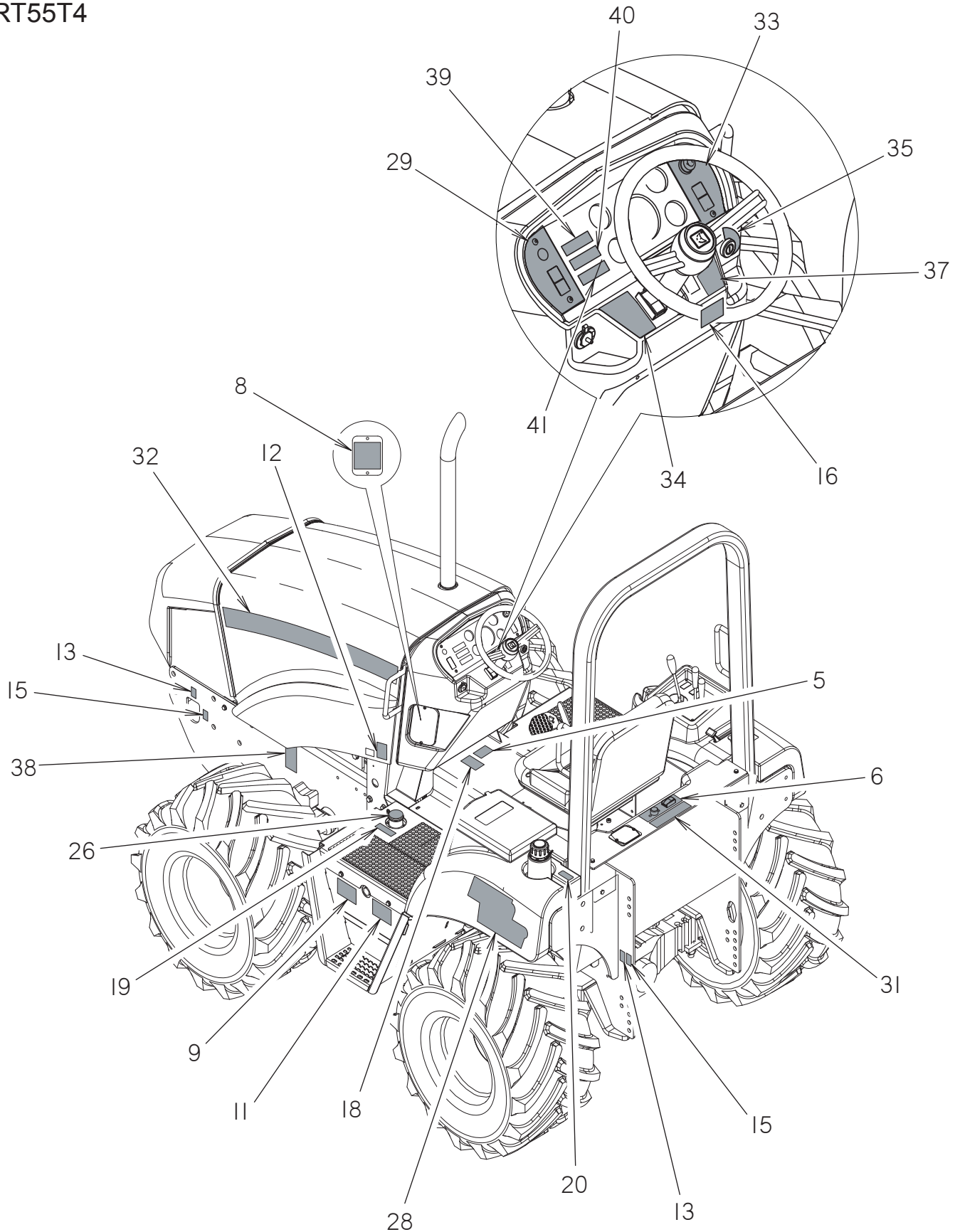
FOOTNOTES

1. NOT PART OF KIT.

DECAL LOCATION RT55T4



DECAL LOCATION RT55T4



DECAL LOCATION RT55T4

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	270-2261		DECAL KIT - RT55T3	
1	273-092	1	GROUND DRIVE CONTROL	
2	273-246	1	RIGID LOGO PLACARD	
3	273-267	1	DITCH WITCH BATTERY	
4	273-292	1	FRAME NOSE CASTING WEIGHT	
5	273-475	1	NOTICE-READ MANUAL	
6	273-476	1	CRUISE CONTROL OVERLAY	USE W/ CRUISE CONTROL KIT. SEE FOOT NOTE 1
7	273-477	1	RT55 LUBE SCHEDULE	
8	270-2255	1	FUSE/RELAY DECAL	LOCATED INSIDE FACE OF ACCESS PANEL
9	273-487	2	WARNING FALL POSSIBLE	
10	274-087	1	REAR STEER INDICATOR	USE W/ REAR STEER, SEE FOOTNOTE 1
11	274-198	1	NOTICE OIL LEVEL	
12	274-291	1	SOUND POWER IO	SEE FOOT NOTE 1
13	274-318	4	TIE DOWN LOCATION	
14	274-375	1	MASTER DISCONNECT SWITCH	SEE FOOT NOTE 1
15	274-442	4	LIFT LOCATION	
16	700-133	1	ONE CALL NOTIFICATION	
17	275-033	1	NOTICE ELECTRICAL SYSTEM	
18	275-070	1	WARNING RUNAWAY	
19	275-120	1	RESERVOIR (THF)	
20	275-148	1	FUEL TANK (DIESEL)	
21	275-203	1	BATTERY	
22	275-303	1	WARNING ROLLOVER	
23	275-355	1	CAUTION HOT PARTS	
24	275-400	1	NOTICE OIL LEVEL	
25	700-062	1	DIESEL FUEL CAP	
26	700-063	1	HYDRAULIC OIL CAP	
27	700-134	1	RIGHT RT55 MODEL ID STRIPE	
28	700-118	2	STACKED DITCH WITCH LOGOTYPE	
29	270-2256	1	LEFT CONSOLE	
30	700-122	1	BLADE/TILT/REAR STEER	
31	700-123	1	ATTACHMENT OVERLAY	
32	700-117	1	LEFT RT55 MODEL ID STRIPE	
33	270-2257	1	RIGHT CONSOLE	
34	273-521	1	HI/LO/NOTICE	
35	700-138	1	IGNITION	
36	700-174	1	THROTTLE	W/O REAR STEER
	700-141	1	THROTTLE/REAR STEER	W/ REAR STEER, SEE FOOTNOTE 1
37	700-175	1	PARKING BRAKE	
38	273-546	2	WARNING MOVING PARTS	
39	270-1538	1	LED DISPLAY	
40	270-1539	1	LED DISPLAY	
41	270-1540	1	LED DISPLAY	

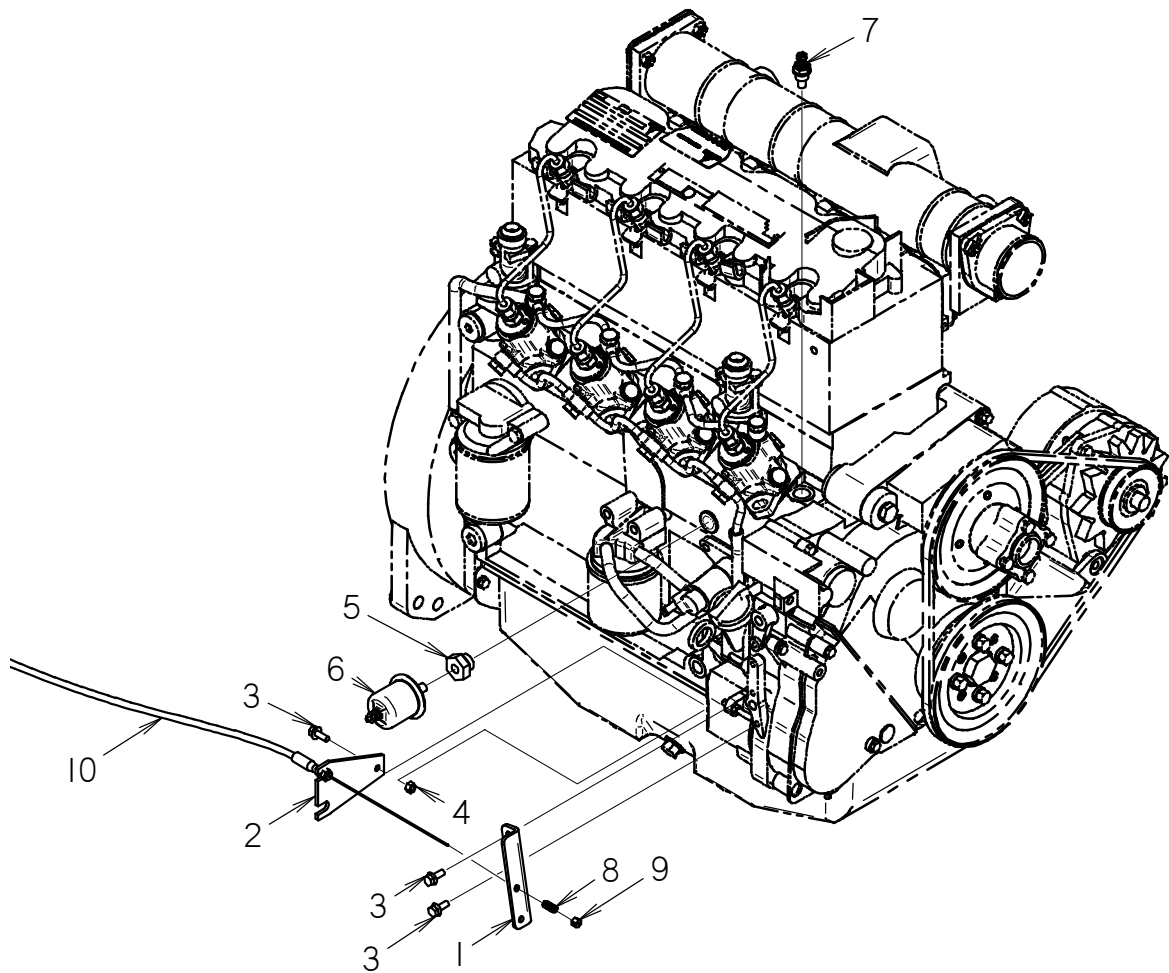
FOOTNOTES

1. NOT PART OF KIT.

NOTES:

ENGINE COMPONENTS

ENGINE (RIGHT SIDE)



ENGINE (RIGHT SIDE)

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-734	1	THROTTLE BRACKET	
2	322-735	1	CABLE MOUNT	
3	106-987	3	FLG LK SCREW (M6-1.00 X 16MM)	
4	106-106	1	NUT (M6-1.00)	
5	159-673	1	CONNECTOR (M18X1.5-02NF)	
6	215-183	1	SENDER, OIL PRESSURE HD	
7	213-222	1	OIL TEMPERATURE SENDER	
8	115-618	1	COMPRESSION SPRING (.625")	
9	107-912	1	CABLE STOP	
10	194-567	1	THROTTLE CABLE	

NOT SHOWN:

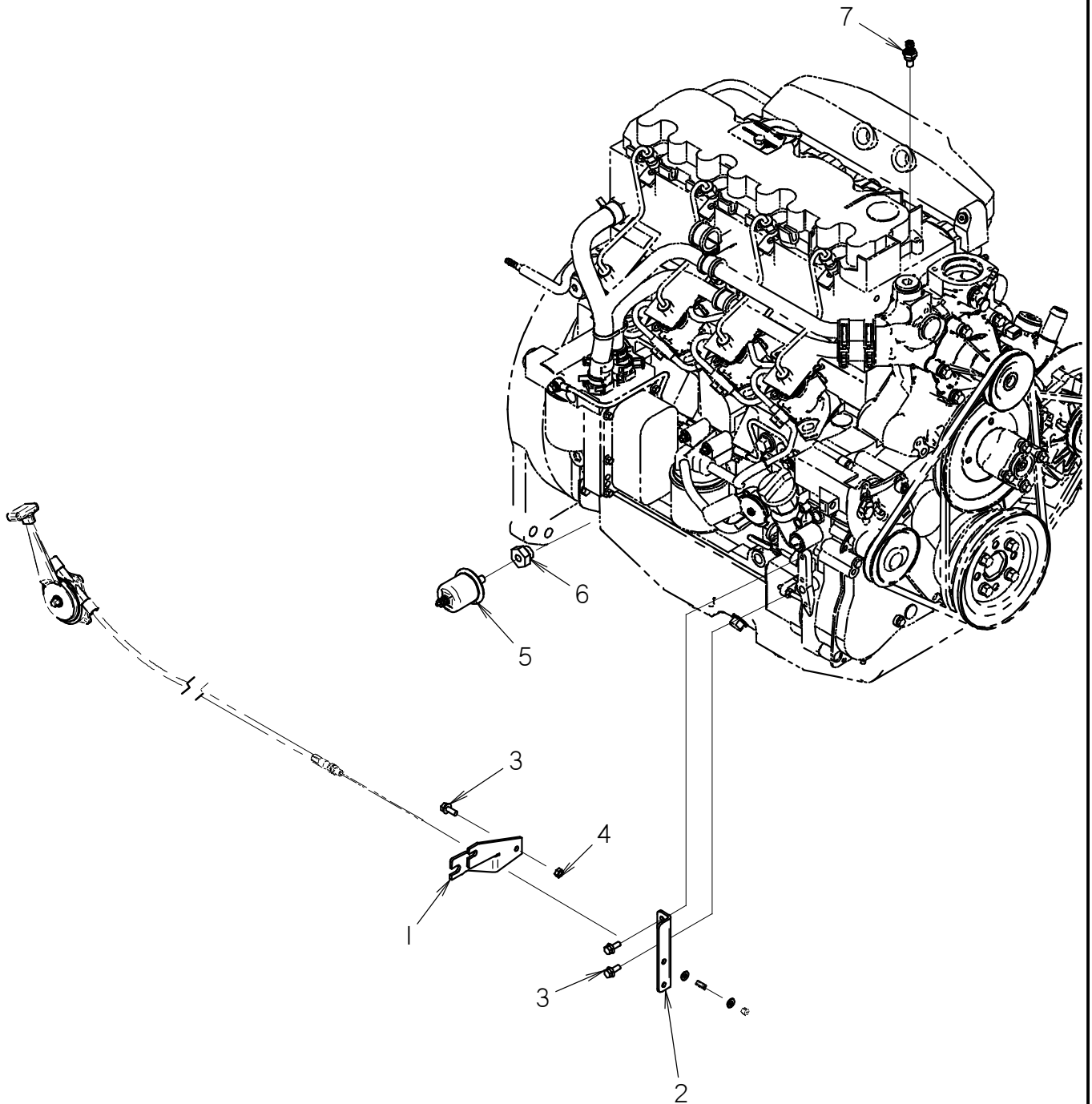
WASHER (#10), CMW P/N 107-310, QTY = 2, USE WITH SPRING 115-618

FOOTNOTES:

NOTE:

ENGINE (RIGHT SIDE)

RT55 TIER 4i



ENGINE (RIGHT SIDE)

RT55 TIER 4i

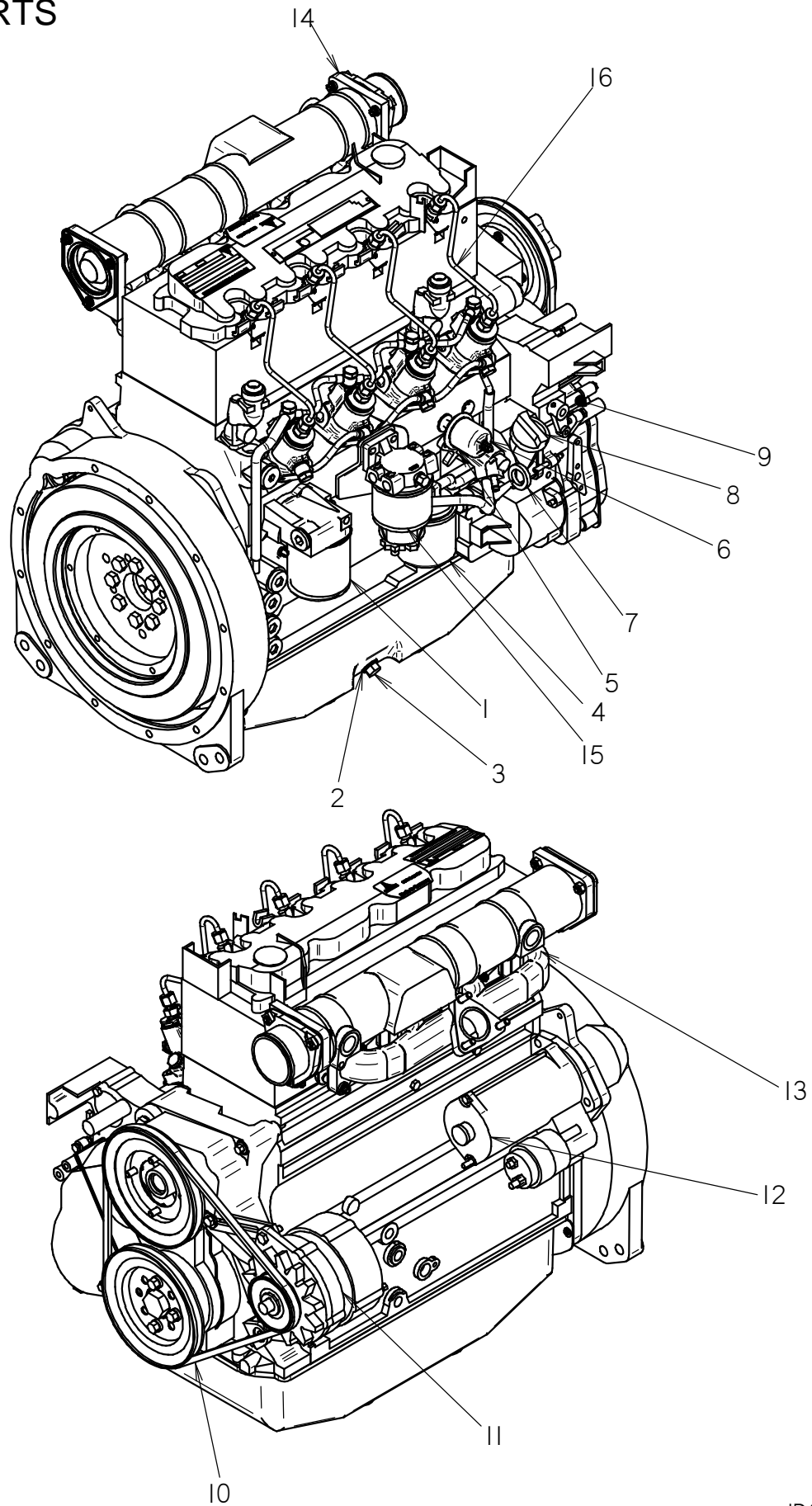
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8443	1	THROTTLE BRACKET	REFER TO "RIGHT FENDER" ID0218289.
2	322-734	1	THROTTLE BRACKET	
3	106-987	3	FLG LK SCREW (M6-1.00 X 16MM)	
4	106-106	1	NUT (M6-1.00)	
5	215-183	1	SENDER, OIL PRESSURE HD	
6	159-673	1	CONNECTOR (M18X1.5-02NF)	
7	217-550	1	OIL TEMPERATURE SENDER	

NOT SHOWN:

FOOTNOTES:

NOTE:

SERVICE PARTS RT55



SERVICE PARTS

RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	195-849	1	ELEMENT (12NF,3.562" SPIN-ON)	
2	108-098	1	SEAL WASHER (M18)	
3	194-562	1	OIL PAN PLUG (M18)	
4	195-807	1	FUEL FILTER ELEMENT (PRIMARY)	
5	165-744	1	FUEL LIFT PUMP GASKET	
6	194-555	1	FUEL LIFT PUMP	
7	194-563	1	OIL DIPSTICK	
8	194-570	1	ENGINE OIL FILL CAP	
9	213-199	1	FUEL SHUT-OFF SOLENOID	SUPERSEDED
	217-722	1	FUEL SHUT-OFF SOLENOID	
10	170-445	1	FAN BELT	
11	213-189	1	ALTERNATOR	
12	194-548	1	STARTER, 9 TOOTH	
13	165-727	1	EXHAUST MANIFOLD GASKET	
14	165-734	1	GASKET	
15	194-491	1	FUEL FILTER ELEMENT	
16	502-171	1	FUEL INJECTOR LINE	

NOT SHOWN:

195-1389 FUEL LIFT PUMP

SERVICE PART & SEE FOOTNOTE 1

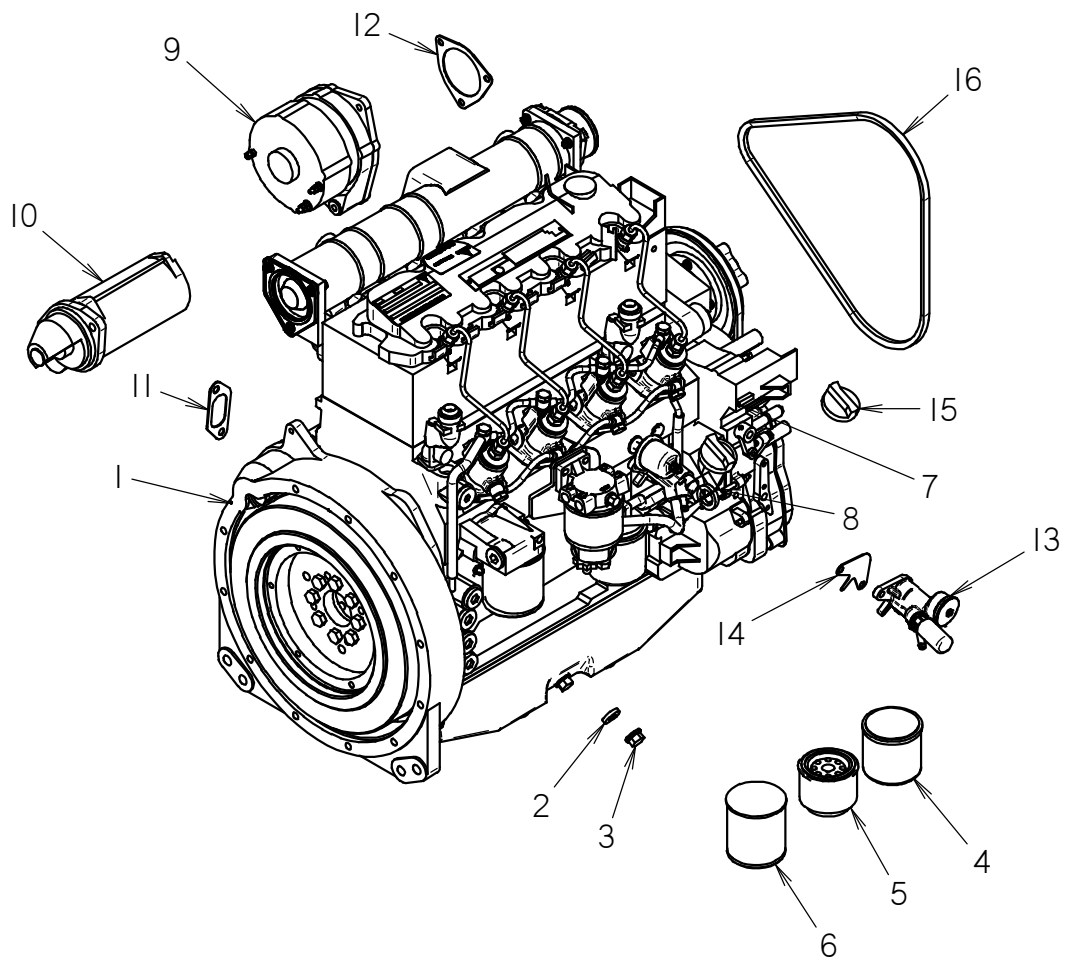
FOOTNOTES:

1. IF FUEL LIFT PUMP 195-1389 IS USED THE IN-LINE FILTER WILL NOT BE REQUIRED.

NOTE:

SERVICE PARTS

RT55 TIER 4i



SERVICE PARTS

RT55 TIER 4i

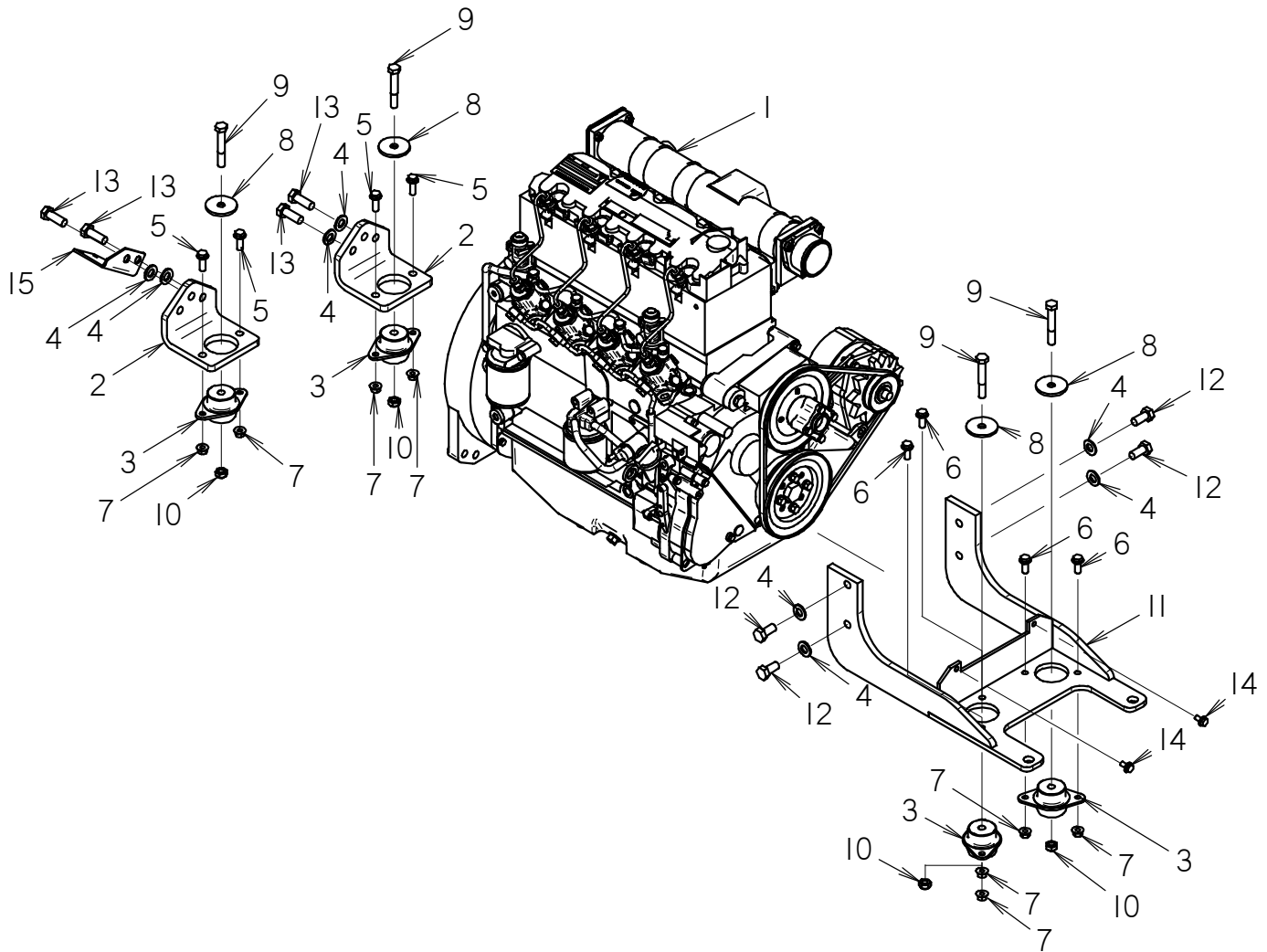
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	195-1245	1	ENGINE-DEUTZ D2011L040 DIESEL T4i	
2	108-098	1	SEAL WASHER (M18)	
3	194-562	1	OIL PAN PLUG (M18)	
4	195-807	1	FUEL FILTER ELEMENT (PRIMARY)	
5	194-491	1	REPLACEMENT ELEMENT	
6	195-849	1	ELEMENT (12NF,3.562" SPIN-ON)	
7	217-722	1	FUEL SHUT-OFF SOLENOID	
8	500-2028	1	OIL DIPSTICK	
9	213-189	1	ALTERNATOR	
10	194-548	1	STARTER, 9 TOOTH	
11	165-727	1	EXHAUST MANIFOLD GASKET	
12	165-734	1	GASKET	
13	195-1389	1	FUEL LIFT PUMP	
14	165-744	1	LIFT PUMP GASKET	
15	194-570	1	OIL FILL CAP	
16	170-445	1	BELT	

NOT SHOWN:

FOOTNOTES:

NOTE:

ENGINE MOUNT



ENGINE MOUNT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-502	1	DIESEL ENGINE (DEUTZ 2011)	OBSOLETE
2	322-710	2	REAR ENGINE MOUNT	
3	116-141	4	SHOCK MOUNT	
4	106-598	8	WASHER (9/16" HARDENED)	
5	106-383	4	FLG LK SCREW (M10-1.50 X 30MM)	
6	107-001	4	FLG LK SCREW (M10-1.50 X 25MM)	
7	106-266	8	FLG NUT (M10-1.50)	
8	105-475	4	WASHER (1/2")	
9	106-700	4	SCREW (M12-1.75 X 80MM)	
10	106-685	4	LOCKNUT (M12-1.75, PRV TRQ, 10.9)	
11	322-698	1	FRONT ENGINE MOUNT	
12	106-596	4	LK SCREW (M14-2.00X30MM, EPXY)	TORQUE TO 100 FT/LBS
13	106-597	4	LK SCREW (M14-2.00X40MM, EPXY)	TORQUE TO 100 FT/LBS
14	106-380	2	FLG LK SCREW (M8-1.25 X 16MM)	
15	322-964	1	BRACKET	

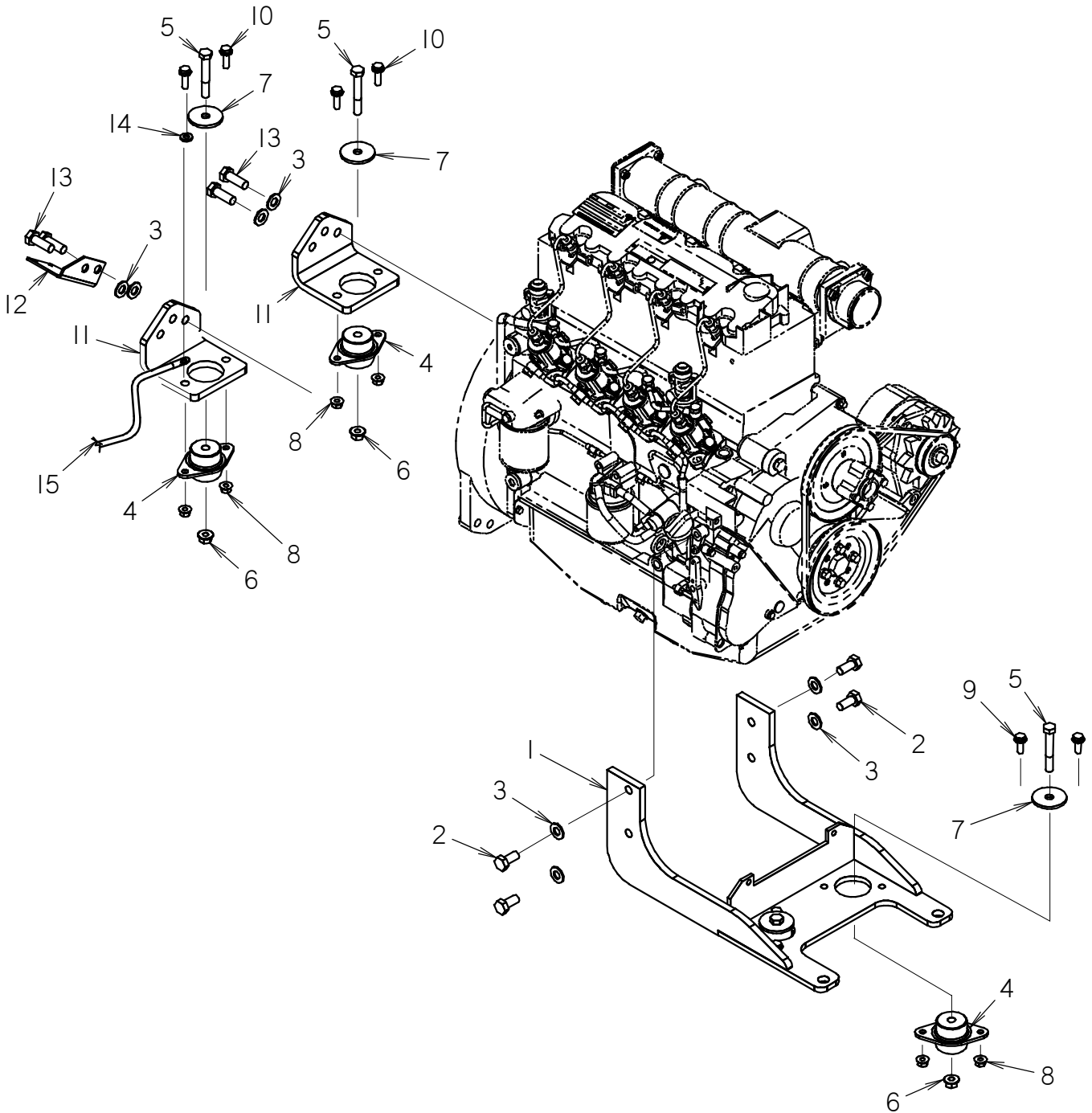
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FOOTNOTES:

NOTE:

ENGINE MOUNTS

RT55 TIER 4i



ENGINE MOUNTS

RT55 TIER 4i

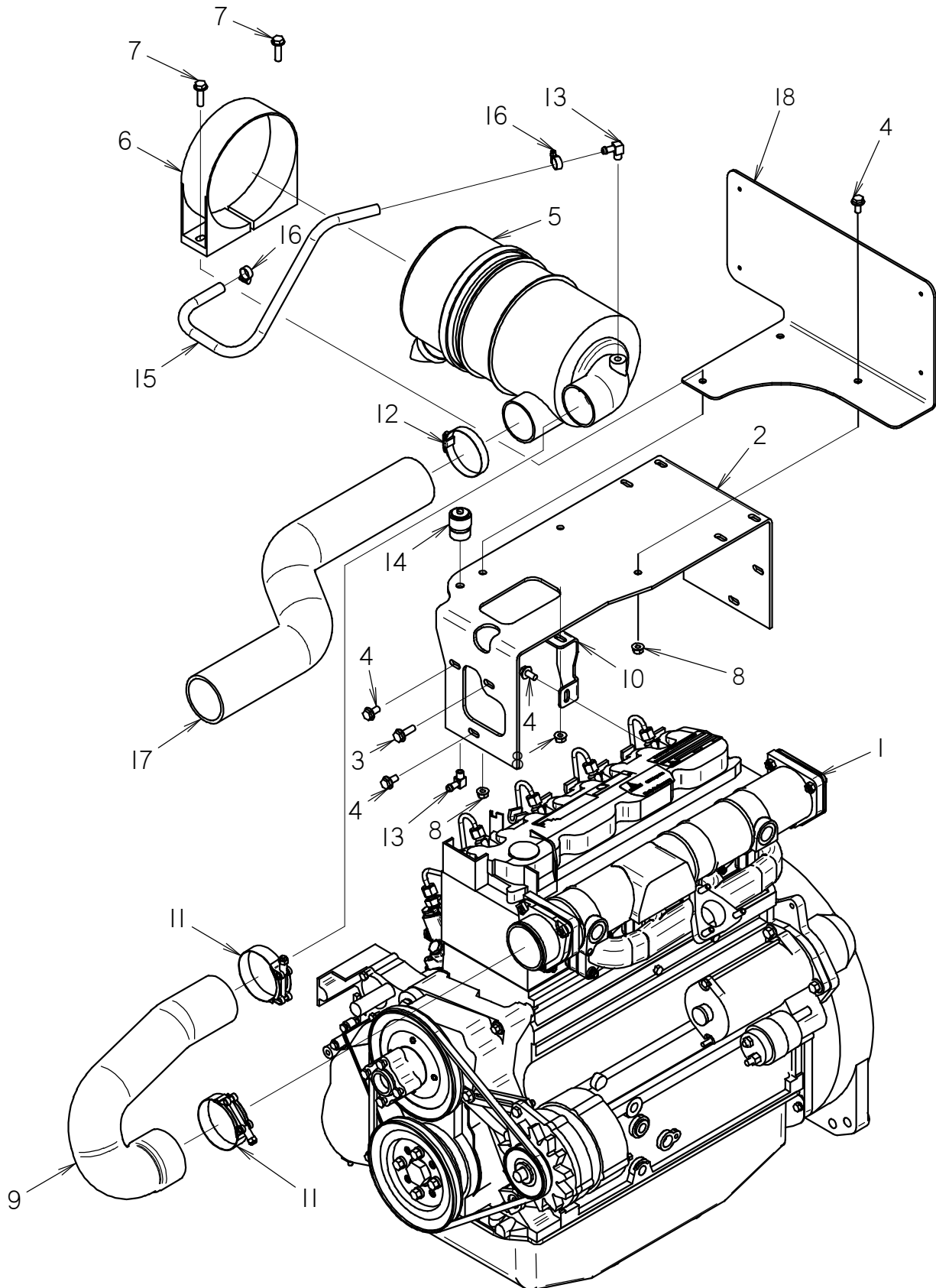
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-7098	1	FRONT ENGINE MOUNT	
2	106-596	4	LK SCREW (M14-2.00X30MM,EPXY)	TORQUE TO 100 ft/lbs.
3	106-598	8	WASHER (9/16" HARDENED)	
4	116-141	4	SHOCK MOUNT	
5	106-700	4	SCREW (M12-1.75 X 80MM)	
6	106-709	4	FLG LK NUT (M12-1.75)	
7	105-475	4	WASHER (1/2")	
8	106-266	8	FLG NUT (M10-1.50)	
9	107-001	4	FLG LK SCREW (M10-1.50 X 25MM)	
10	106-383	4	FLG LK SCREW (M10-1.50 X 30MM)	
11	322-710	2	REAR ENGINE MOUNT	
12	322-964	1	BRACKET	
13	106-597	4	LK SCREW (M14-2.00X40MM,EPXY)	TORQUE TO 100 ft/lbs.
14	106-396	1	WASHER (M10, HARDENED)	
15	213-152	1	NEG BAT CABLE (1/0 X 18", BLK)	PREPARE SURFACE FOR GROUND CABLE

NOT SHOWN:

FOOTNOTES:

NOTE:

INTAKE SYSTEM



INTAKE SYSTEM

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-502	1	DIESEL ENGINE (DEUTZ 2011)	OBSOLETE
2	300-6615	1	MUFFLER BRACKET	BEGINS WITH S/N CMWRT55HK80000419.
3	106-381	1	FLG LK SCREW (M8-1.25 X 25MM)	
4	106-380	4	FLG LK SCREW (M8-1.25 X 16MM)	
5	194-297	1	AIR FILTER	
6	149-165	1	MOUNTING CLAMP (6.79")	
7	106-163	2	FLG SCREW (M8-1.25 X 30MM)	
8	106-386	3	FLG LOCKNUT (M8-1.25)	
9	118-124	1	AIR INTAKE HOSE	
10	322-769	1	BRACKET	
11	157-908	2	T-BOLT CLAMP (2.8125-3.187)	
12	110-134	1	WORM CLAMP (2.062" TO 2.750")	
13	155-241	2	S/O COUPLER (O2N-05H90)	
14	195-633	1	RESTRICTION INDICATOR (20"H20)	
15	116-108	AR	BULK HOSE (5/16", SOLD PER 1")	USE 1 @ 16"
16	110-249	2	WORM CLAMP (1/4" TO 5/8")	
17	118-123	1	AIR INTAKE HOSE	
18	300-6616	1	HEAT SHIELD	BEGINS WITH S/N CMWRT55HK80000419.

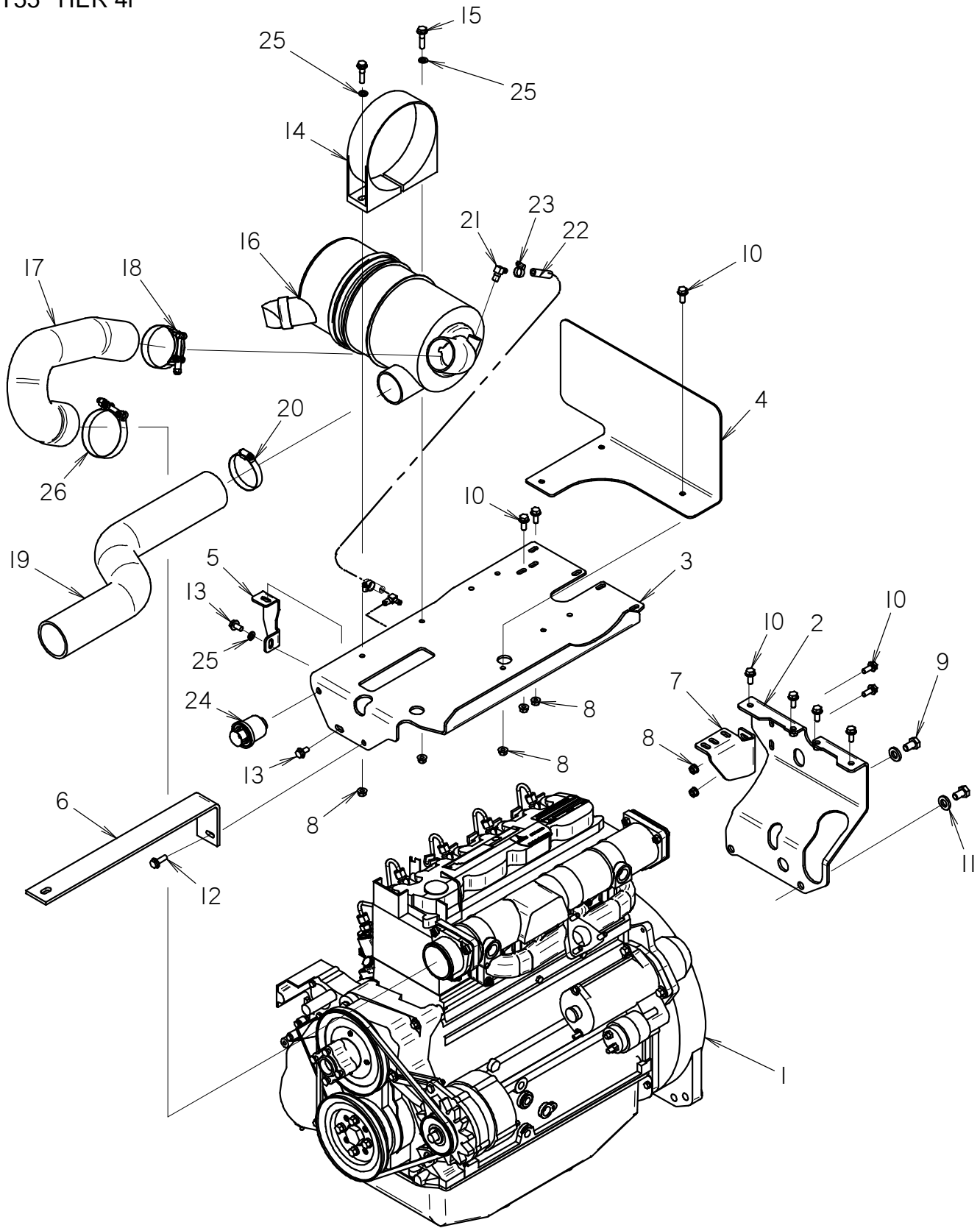
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FOOTNOTES:

NOTE:

INTAKE SYSTEM

RT55 TIER 4i



INTAKE SYSTEM

RT55 TIER 4i

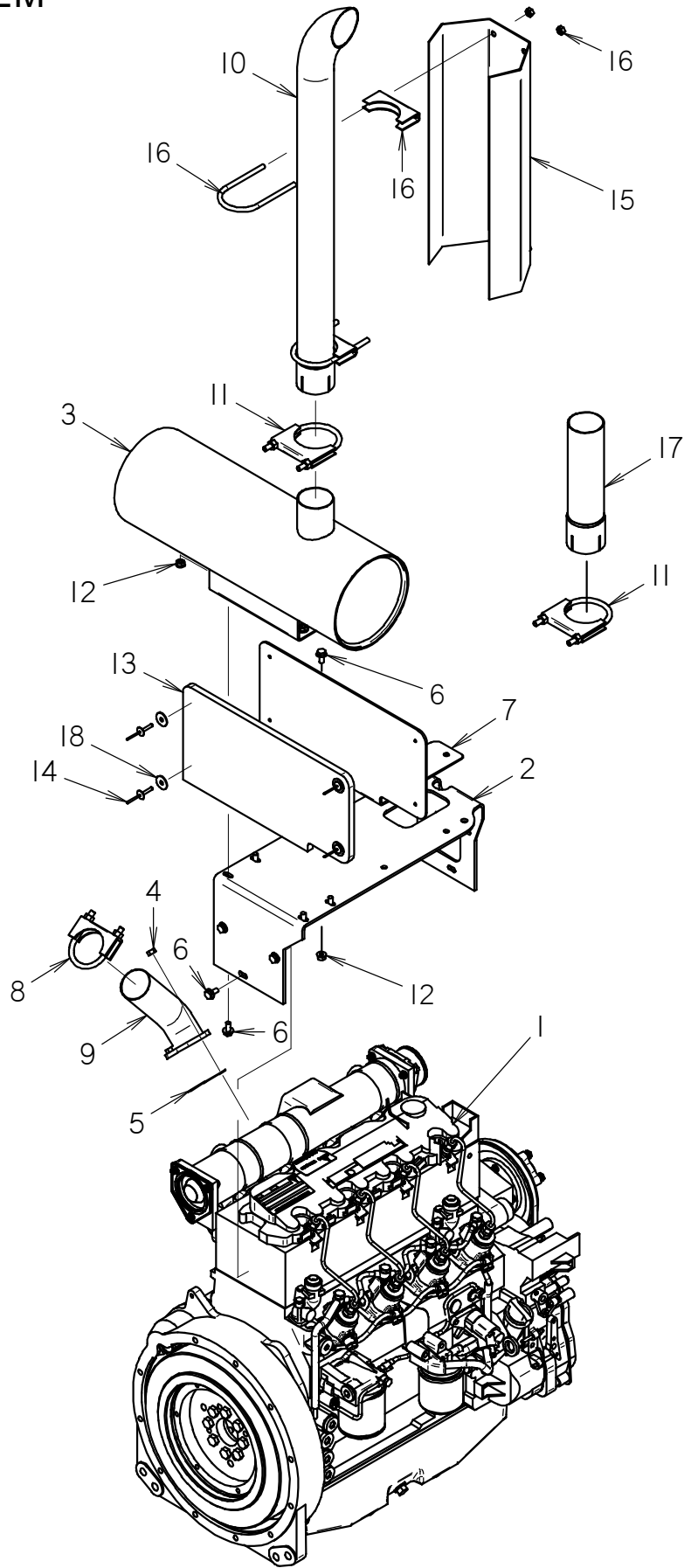
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	195-1245	1	ENGINE - DEUTZ D2011L040 DIESEL T4i	
2	300-6627	1	BACK ENGINE BRACKET	
3	300-6794	1	TOP ENGINE BRACKET	
4	300-7055	1	HEAT SHIELD	
5	322-769	1	BRACKET	
6	300-7092	1	RADIATOR BRACE	
7	300-6776	1	GUSSET BRACKET	
8	106-386	11	FLG LOCKNUT (M8-1.25)	
9	107-521	2	SCREW (M12-1.75 X 20MM)	
10	106-162	9	FLG SCREW (M8-1.25 X 20MM, GD8)	
11	106-397	2	WASHER (M12, HARDENED)	
12	106-381	1	FLG LK SCREW (M8-1.25 X 25MM)	
13	106-380	2	FLG LK SCREW (M8-1.25 X 16MM)	
14	149-165	1	MOUNTING CLAMP (6.79")	
15	106-989	2	FLG LK SCREW (M8-1.25 X 35MM)	
16	194-297	1	AIR FILTER	
17	118-124	1	AIR INTAKE HOSE	
18	157-908	1	T-BOLT CLAMP (2.8125-3.187)	
19	118-123	1	AIR INTAKE HOSE	
20	110-134	1	WORM CLAMP (2.062" TO 2.750")	
21	155-158	2	S/O COUPLER (02N-04H90)	
22	115-381	1	BULK HOSE (1/4", SOLD PER 1')	USE 1 @ 25"
23	110-249	2	WORM CLAMP (1/4" TO 5/8")	
24	195-1344	1	GRADUATED RESTRICTION INDICATOR (20"H2O)	
25	106-389	3	WASHER (M8)	
26	105-1358	1	T-BOLT CLAMP (3.06" - 3.38")	

NOT SHOWN:

FOOTNOTES:

NOTE:

EXHAUST SYSTEM



EXHAUST SYSTEM

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-382	-	MUFFLER GUARD KIT	INCLUDES REF NO.'S 15 AND 16
1	194-502	1	DIESEL ENGINE (DEUTZ 2011)	OBSOLETE
2	300-6615	1	MUFFLER BRACKET	BEGINS WITH S/N CMWRT55HK80000419.
3	194-397	1	MUFFLER	
4	106-078	3	NUT (M8-1.25)	
5	194-438	1	EXHAUST GASKET	
6	106-380	8	FLG LK SCREW (M8-1.25 X 16MM)	
7	300-6616	1	HEAT SHIELD	BEGINS WITH S/N CMWRT55HK80000419.
8	318-485	1	MUFFLER CLAMP	
9	194-518	1	EXHAUST TUBE	
10	194-526	1	EXHAUST STACK	
11	196-341	2	MUFFLER CLAMP (2-3/4")	QTY. OF 1 USED FOR 4-POST ROPS OPTION
12	106-386	5	FLG LOCKNUT (M8-1.25)	
13	118-234	1	INSULATION (HEAT SHIELD)	
14	110-350	4	POP RIVET (3/16" X .976")	
15	324-389	1	EXHAUST SHIELD	
16	196-354	2	MUFFLER CLAMP (2.5")	
17	194-574	1	EXHAUST STACK EXTENSION	4-POST ROPS OPTION
18	107-936	4	WASHER (1/4"ID X 1"OD)	

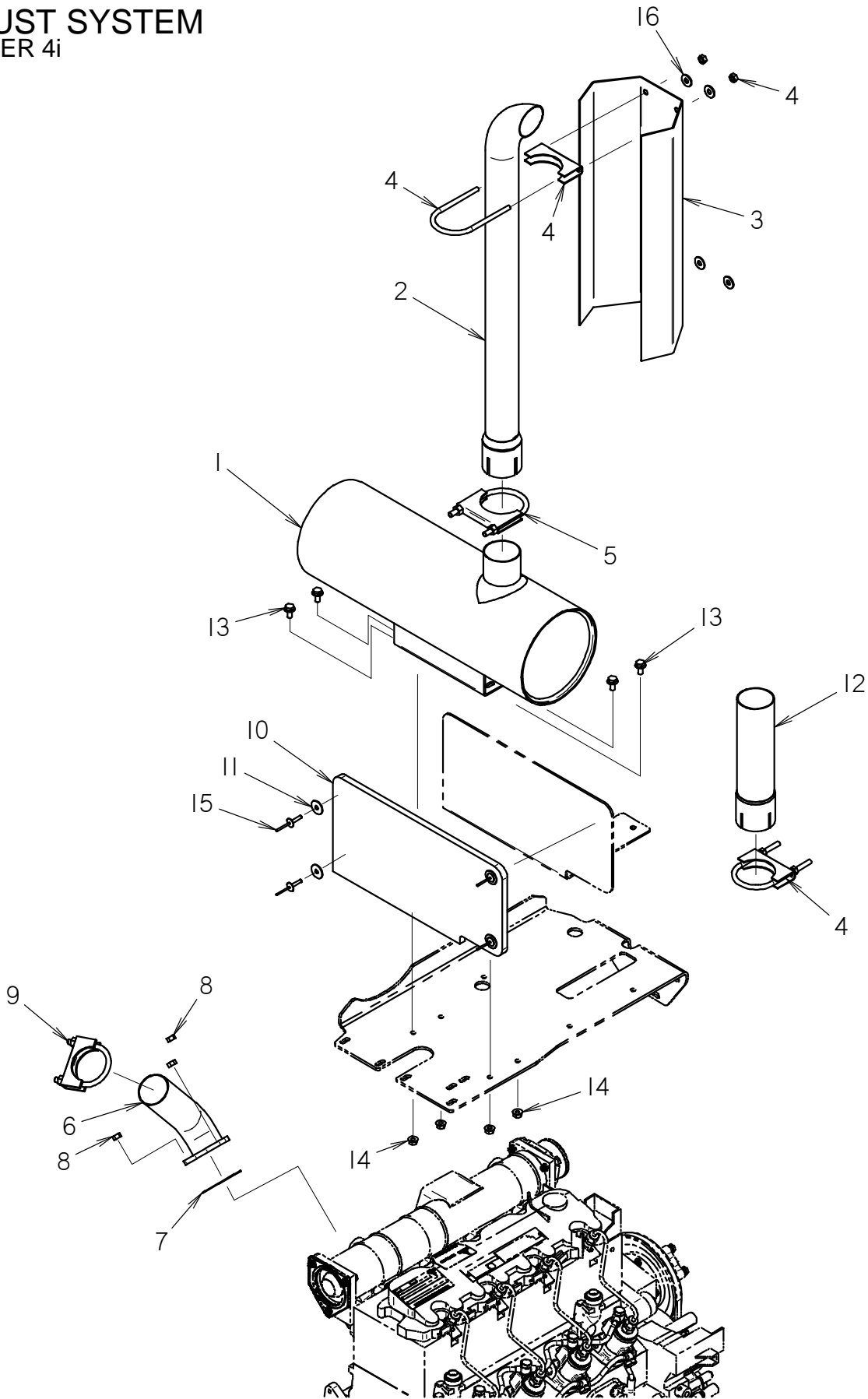
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FOOTNOTES:

NOTE:

EXHAUST SYSTEM

RT55 TIER 4i



EXHAUST SYSTEM

RT55 TIER 4i

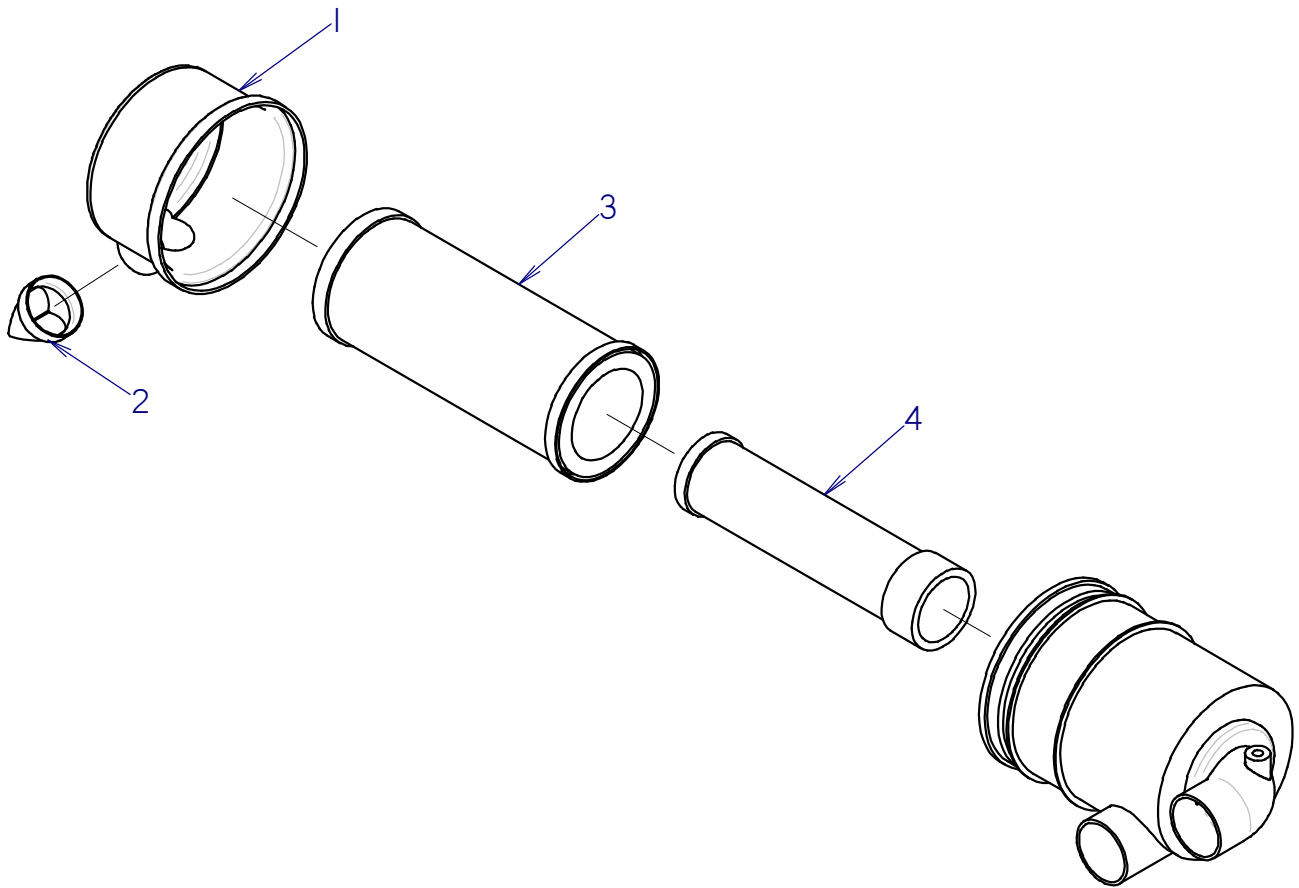
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-382	-	MUFFLER GUARD KIT	INCLUDES REF NO.'S 3 & 4
1	195-1007	1	MUFFLER	
2	195-1370	1	EXHAUST STACK (2.25" DIA)	
3	324-389	1	EXHAUST SHIELD	
4	196-354	2	MUFFLER CLAMP (2.5")	
5	196-341	1	MUFFLER CLAMP (2-3/4")	QTY 1 USED ON 4-POST ROPS
6	194-518	1	EXHAUST TUBE	
7	194-438	1	EXHAUST GASKET	
8	106-078	3	NUT (M8-1.25)	
9	318-485	1	MUFFLER CLAMP	
10	118-234	1	INSULATION (HEAT SHIELD)	
11	107-936	4	WASHER (1/4"ID X 1"OD)	
12	194-574	1	EXHAUST STACK EXTENSION	4-POST ROPS OPTION
13	106-380	4	FLG LK SCREW (M8-1.25 X 16MM)	
14	106-386	4	FLG LOCKNUT (M8-1.25)	
15	110-350	4	POP RIVET (3/16" X .976")	
16	105-117	4	WASHER (5/16")	

NOT SHOWN:

FOOTNOTES:

NOTE:

AIR FILTER



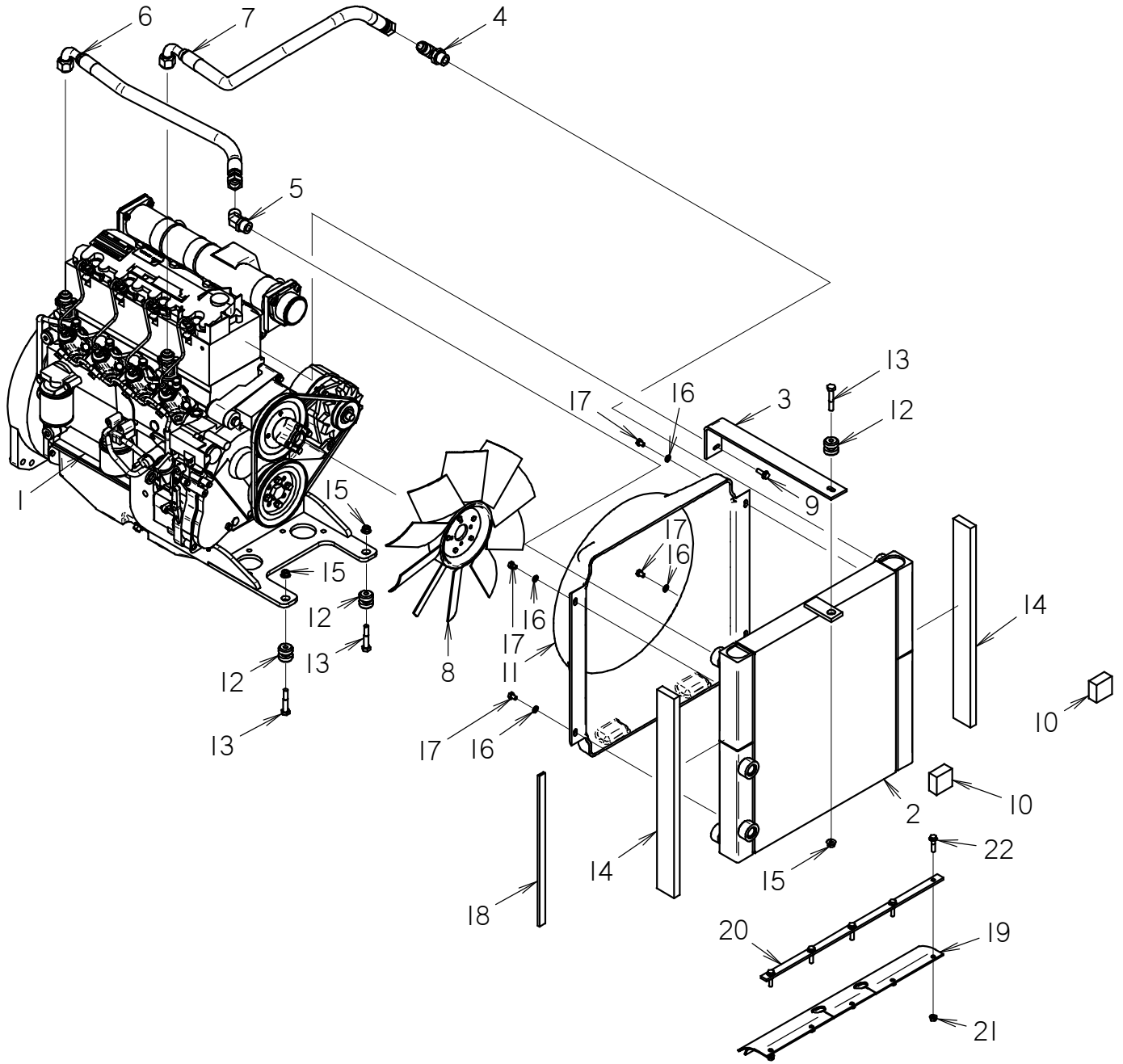
AIR FILTER

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	194-297	-	AIR FILTER	
1	194-760	1	COVER	
2	194-761	1	DISCHARGE VALVE	
3	194-759	1	ELEMENT (PRIMARY)	
4	194-758	1	ELEMENT (SAFETY)	

FOOTNOTES

NOTE:

COOLING SYSTEM



COOLING SYSTEM

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-502	1	DIESEL ENGINE (DEUTZ 2011)	OBSOLETE
2	194-472	1	COOLER	
3	322-732	1	RADIATOR BRACE	
4	154-014	1	CONNECTOR (12J-12S90)	
5	154-047	1	CONNECTOR (12J-12S45)	
6	159-796	1	HOSE (12J-12J90S-28"-300)	
7	159-796	1	HOSE (12J-12J90S-28"-300)	
8	194-473	1	FAN (17.5)	
9	106-381	1	FLG LK SCREW (M8-1.25 X 25MM)	
10	118-255	2	INSULATION	
11	362-985	1	FAN SHROUD	
12	116-128	3	SHOCK MOUNT	
13	106-628	3	SCREW (M10-1.50 X 60MM)	
14	118-118	2	INSULATION	
15	106-266	3	FLG NUT (M10-1.50)	
16	106-389	4	WASHER (M8)	
17	107-519	4	SCREW (M8-1.25 X 12MM)	
18	115-399	2	BULK STRIP (3/4", SOLD PER 1')	USE 2 @ 17"
19	118-154	1	FLAP	
20	323-461	1	STRAP	
21	106-386	5	FLG LOCKNUT (M8-1.25)	
22	106-989	5	FLG LK SCREW (M8-1.25 X 35MM)	

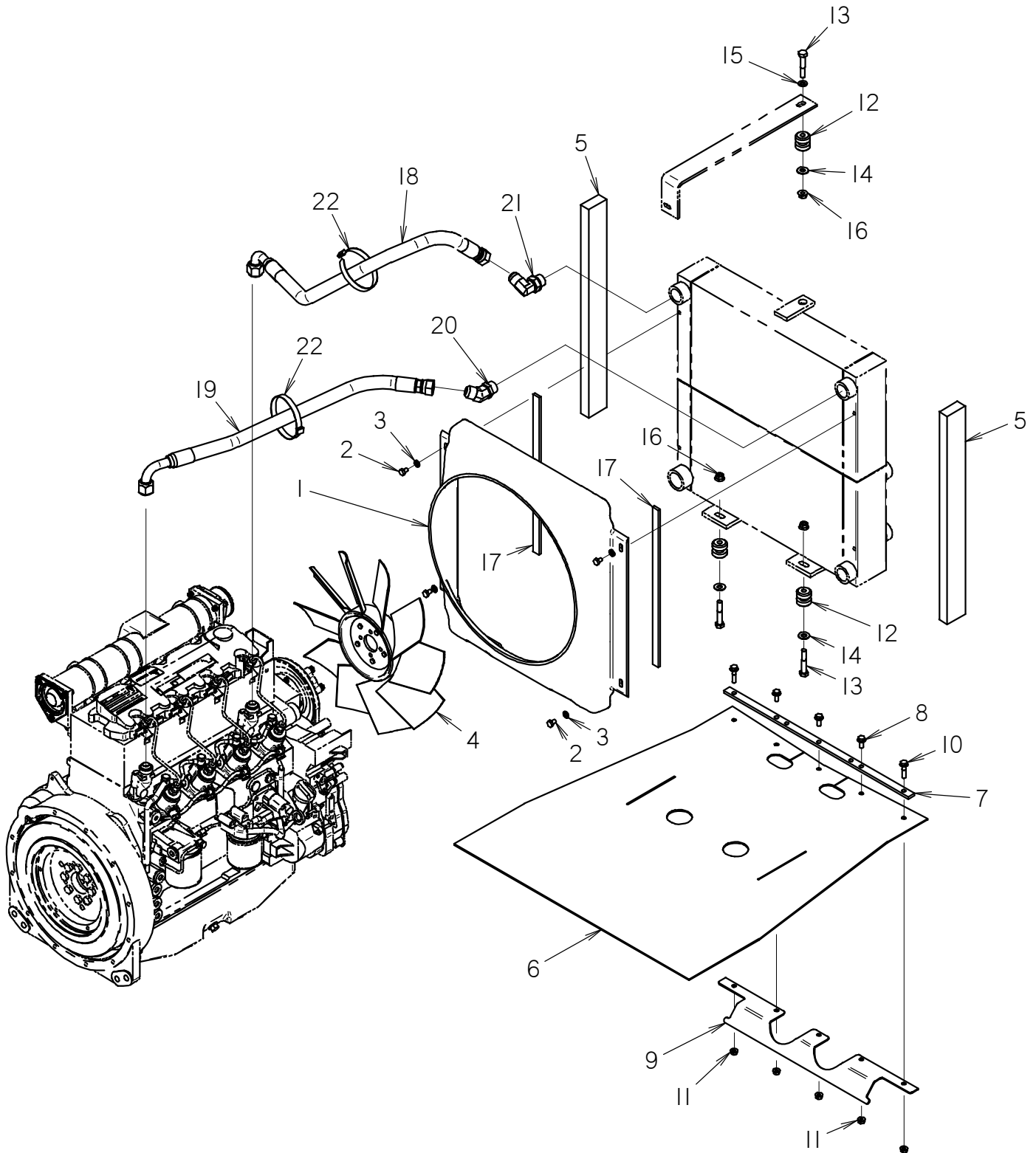
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FOOTNOTES:

NOTE:

COOLING SYSTEM

RT55 TIER 4i



COOLING SYSTEM

RT55 TIER 4i

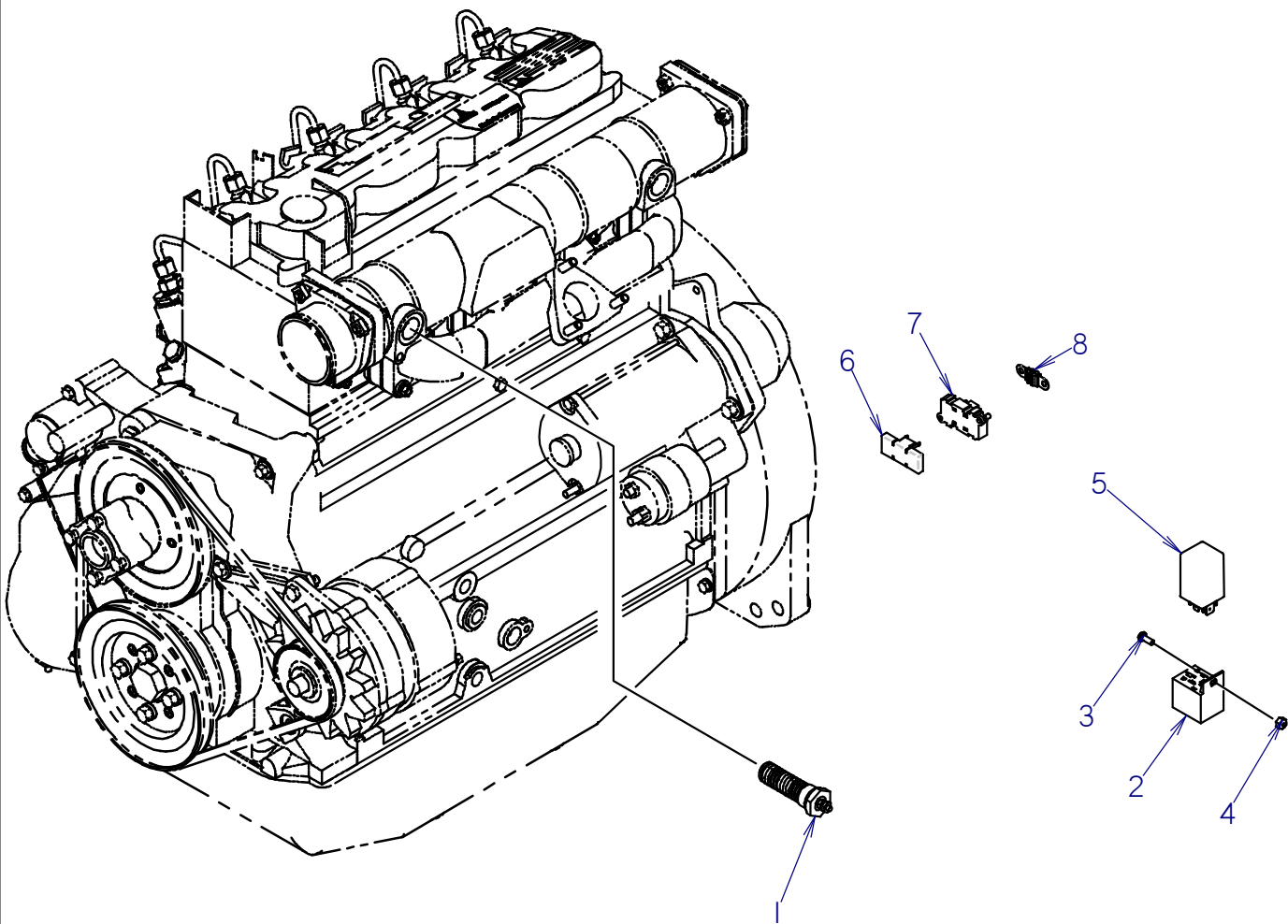
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1348	1	FAN SHROUD	
2	107-519	4	SCREW (M8-1.25 X 12MM)	
3	106-389	4	WASHER (M8)	
4	195-1426	1	FAN (17" PULLER)	
5	362-1380	2	AIR BARRIER	
6	362-1051	1	AIR BARRIER	
7	323-461	1	STRAP	
8	106-991	3	FLG LK SCREW (M8-1.25 X 20MM)	
9	300-7099	1	SUPPORT BRACKET	
10	106-989	2	FLG LK SCREW (M8-1.25 X 35MM)	
11	106-386	5	FLG LOCKNUT (M8-1.25)	
12	116-128	3	SHOCK MOUNT	
13	106-628	3	SCREW (M10-1.50 X 60MM)	
14	105-118	3	WASHER (3/8")	
15	106-390	1	WASHER (M10)	
16	106-266	3	FLG NUT (M10-1.50)	
17	115-399	2	BULK STRIP (3/4", SOLD PER 1")	
18	159-796	1	HOSE (12J-12J90S-28"-300)	
19	159-796	1	HOSE (12J-12J90S-28"-300)	
20	154-047	1	CONNECTOR (12J-12S45)	
21	154-014	1	CONNECTOR (12J-12S90)	
22	110-031	2	CABLE TIE (1/2") 20" LG	

NOT SHOWN:

FOOTNOTES:

NOTE:

COLD START KIT



COLD START KIT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-367	-	COLD START KIT	INCLUDES REF 2-4
1	213-243	1	GLOW PLUG	
2	213-245	1	BASE/PEDESTAL	SEE FOOTNOTE 1
3	105-185	1	BOLT (#10-24 X 1/2", RD SLT)	
4	106-048	1	LOCKNUT (#10-24)	
5	213-244	1	GL.TIME CONTR. UNIT	
6	211-307	1	AMI FUSE COVER	
7	211-306	1	FB/HVAMI FUSE HOLDER	
8	211-317	1	BK/AMI 50 AMP FUSE	

NOT SHOWN:

213-215 | COLD START HARNESS

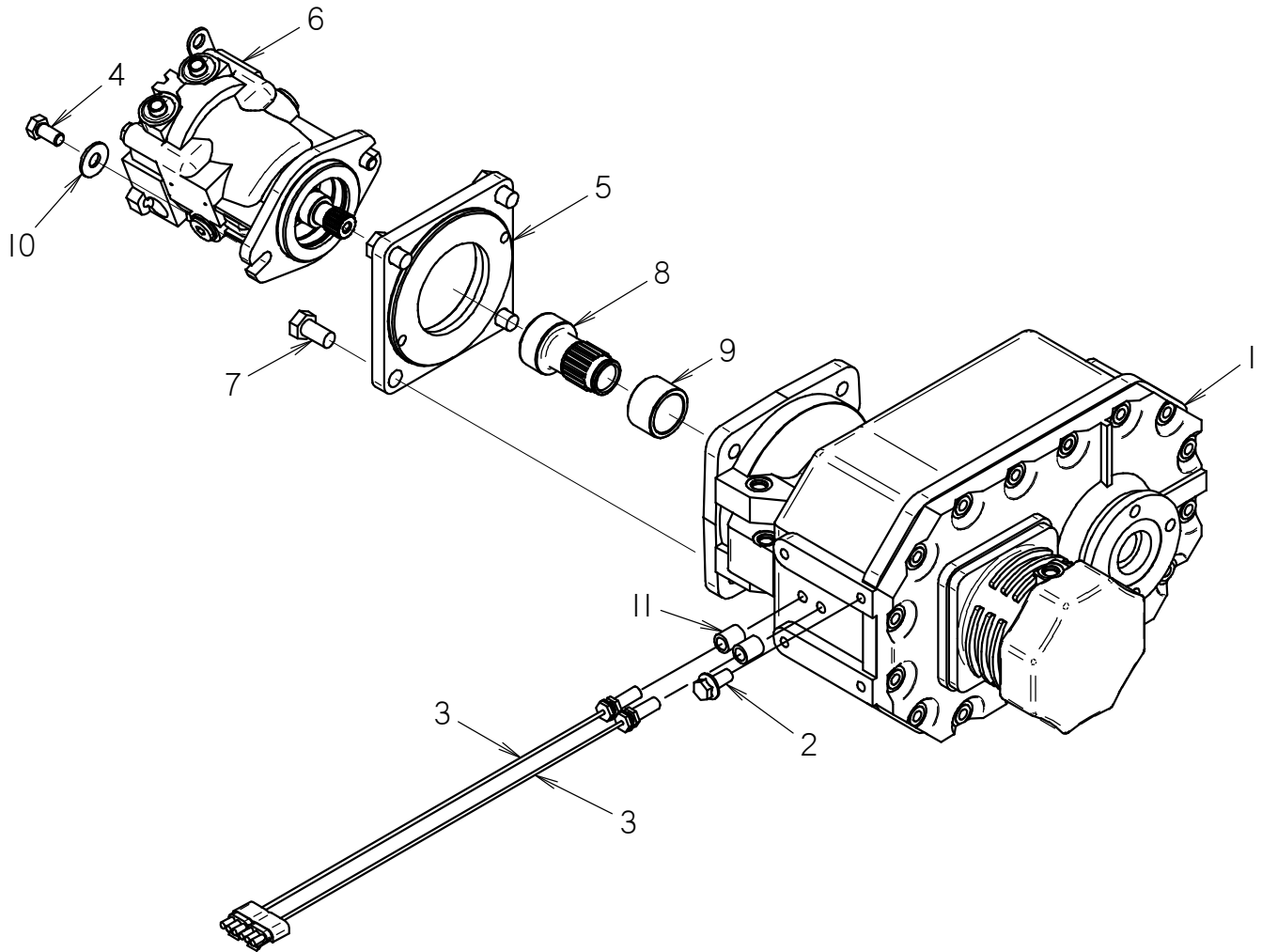
FOOTNOTES

1. REF #2 (BASE/PEDESTAL) MOUNTS TO LEFT SIDE OF FIREWALL.

NOTE:

POWER TRAIN

GROUND DRIVE TRANSMISSION



GROUND DRIVE TRANSMISSION

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	166-496	1	TRANSMISSION - CARRARO (TBI50)	
2	106-806	6	FLG LK SCREW (M12-1.75 X 25MM)	
3	215-1472	2	PROXIMITY SWITCH 12MM WP	SEE FOOTNOTE 3
4	105-121	2	BOLT (1/2-NC X 1")	
5	320-643	1	MOTOR ADAPTER	
6	157-970	1	HYD MOTOR	SEE FOOTNOTE 2
7	106-338	4	SCREW (M16-2.00 X 30MM)	
8	166-504	1	SPLINED COUPLER	SEE FOOTNOTE 1.
9	179-702	1	SPACER	
10	105-071	2	WASHER (1/2")	
11	301-0311	2	SPACER	SEE FOOTNOTE 3

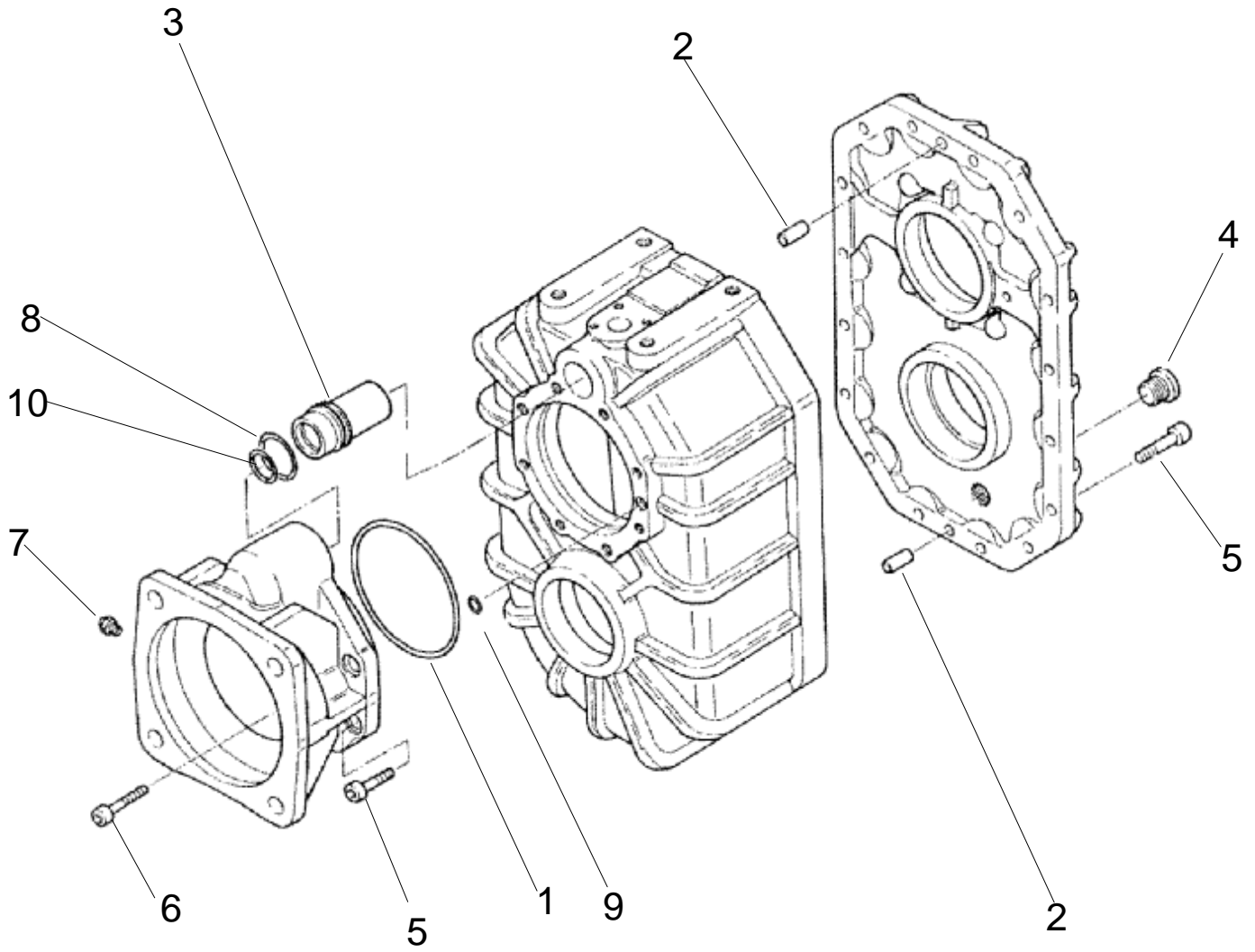
NOT SHOWN:

FOOTNOTES:

1. THOROUGHLY PACK SPLINES WITH TEXACO #1912 COUPLING GREASE AT ASSEMBLY. (P/N 256-648 = 140Z CARTRIDGE)
2. SEAL KIT 500-1561 AVAILABLE AS SERVICE PART FOR 157-970, HYD. MOTOR, REF #6.
3. BEGINS WITH S/N CMWRT55HJA0000511, AND ALSO INCLUDES S/N CMWRT55HV90000507. SERIAL NUMBERS BEFORE THESE USE PROX 215-1378.

NOTE:

TRANSMISSION - HOUSING



TRANSMISSION - HOUSING

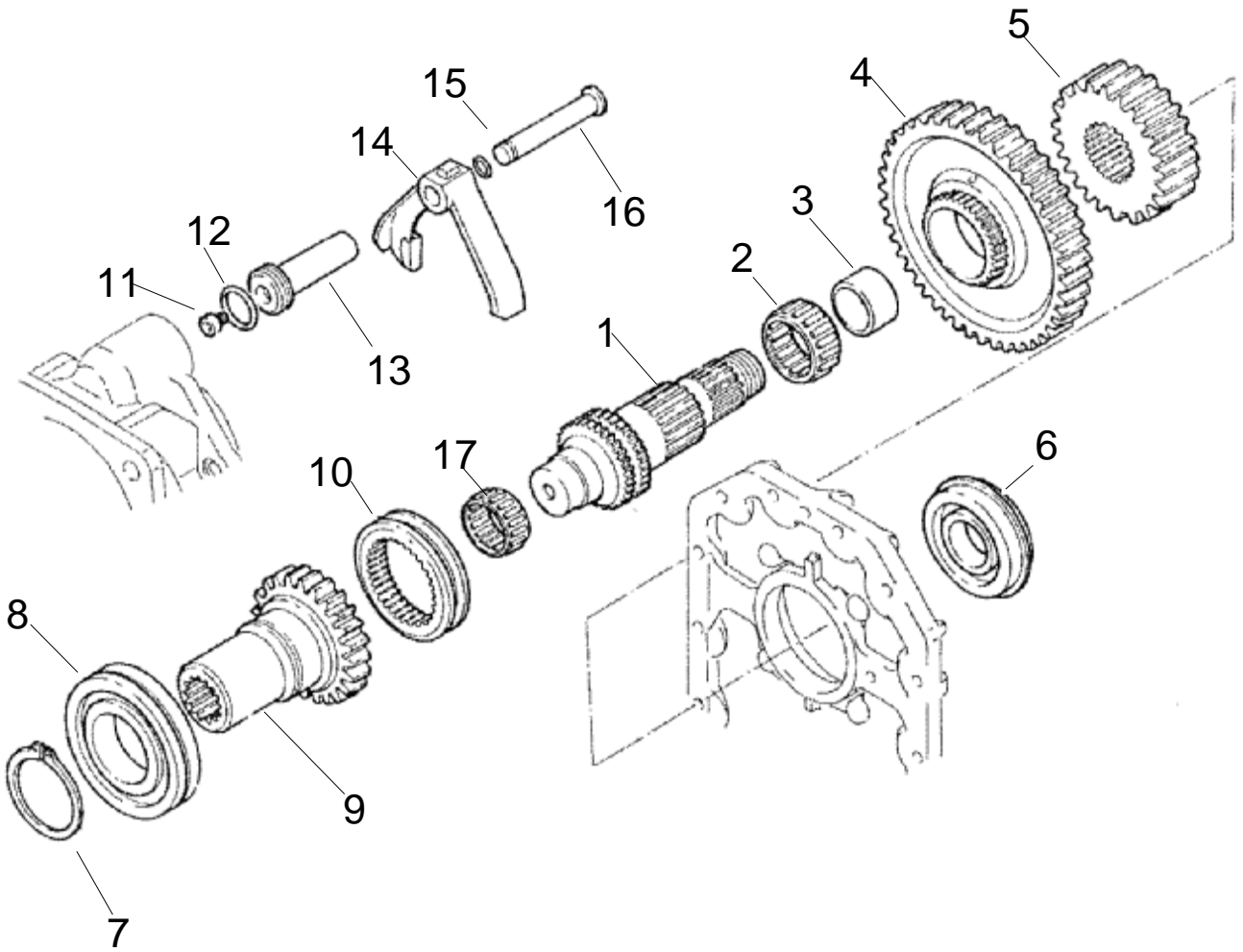
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	499-970	1	O-RING	
2.	502-082	2	PIN (D10 X 25)	
3.	499-969	1	BUSHING	
4.	499-961	2	OIL PLUG (M22-1.5)	
5.	499-962	16	SCREW (M10 X 30)	
6.	499-963	4	SCREW (M10 X 90)	
7.	499-964	1	BREATHER (M10 X 1.5)	
8.	499-968	1	O-RING	
9.	499-966	1	O-RING	
10.	499-967	1	O-RING	

NOT SHOWN:

FOOTNOTES:

NOTE:

TRANSMISSION - UPPER SHAFT



TRANSMISSION - UPPER SHAFT

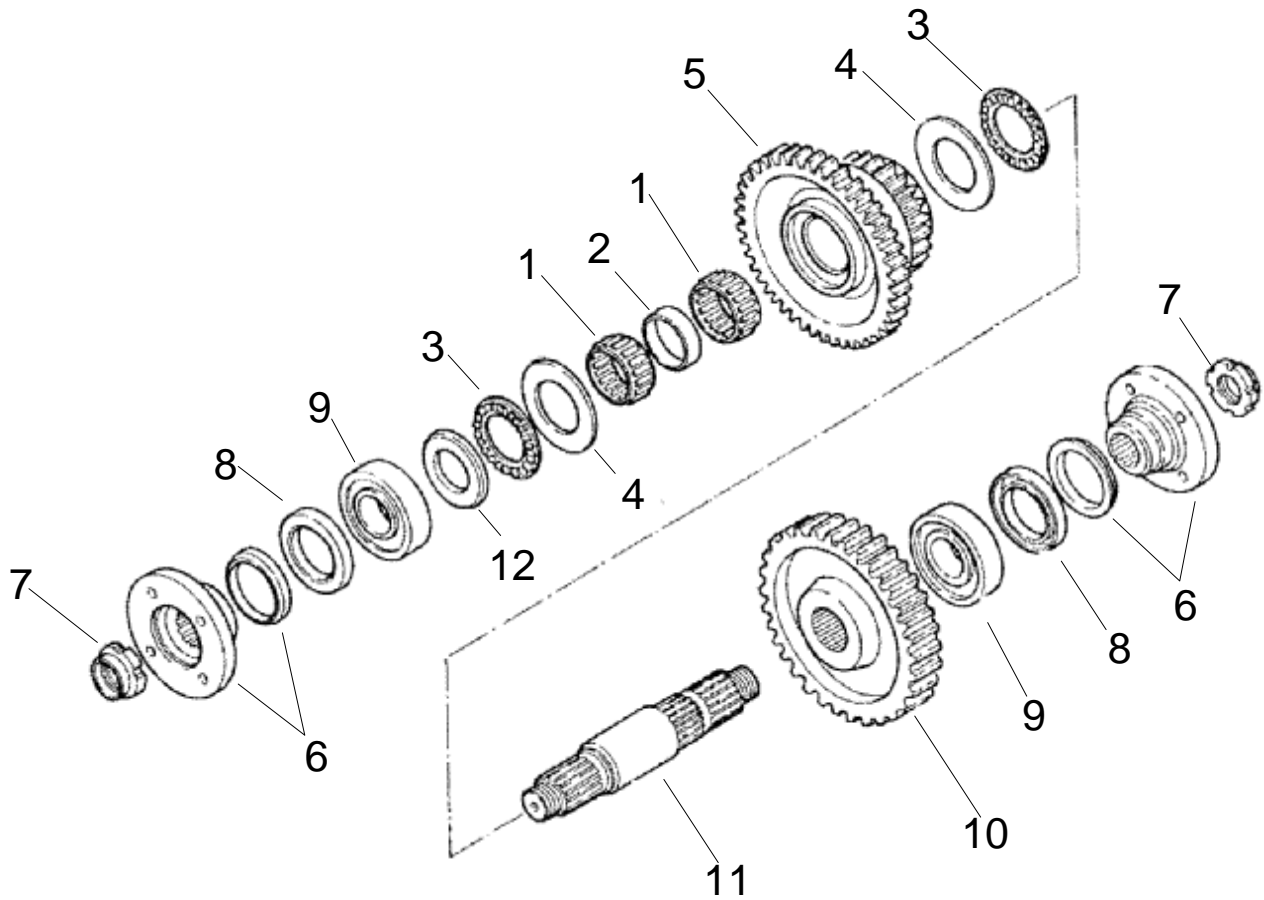
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	499-965	1	SHAFT	
2	499-971	1	ROLLER CAGE	
3	499-972	1	RING (50 X 55 X 35)	
4	499-973	1	GEAR Z42	
5	499-974	1	GEAR Z20	OBSOLETE
6	499-975	1	BEARING	
7	499-976	1	LOCKRING D.65	
8	499-977	1	BEARING	
9	499-978	1	SHAFT	
10	499-979	1	SLEEVE	
11	499-980	1	SCREW (M8 X 30)	
12	499-981	1	RING	
13	499-982	1	SHAFT	
14	499-983	1	FORK	
15	499-984	1	O-RING	
16	499-985	1	SHAFT	
17	499-986	1	ROLLER CAGE	

NOT SHOWN:

FOOTNOTES:

NOTE:

TRANSMISSION - LOWER SHAFT



TRANSMISSION - LOWER SHAFT

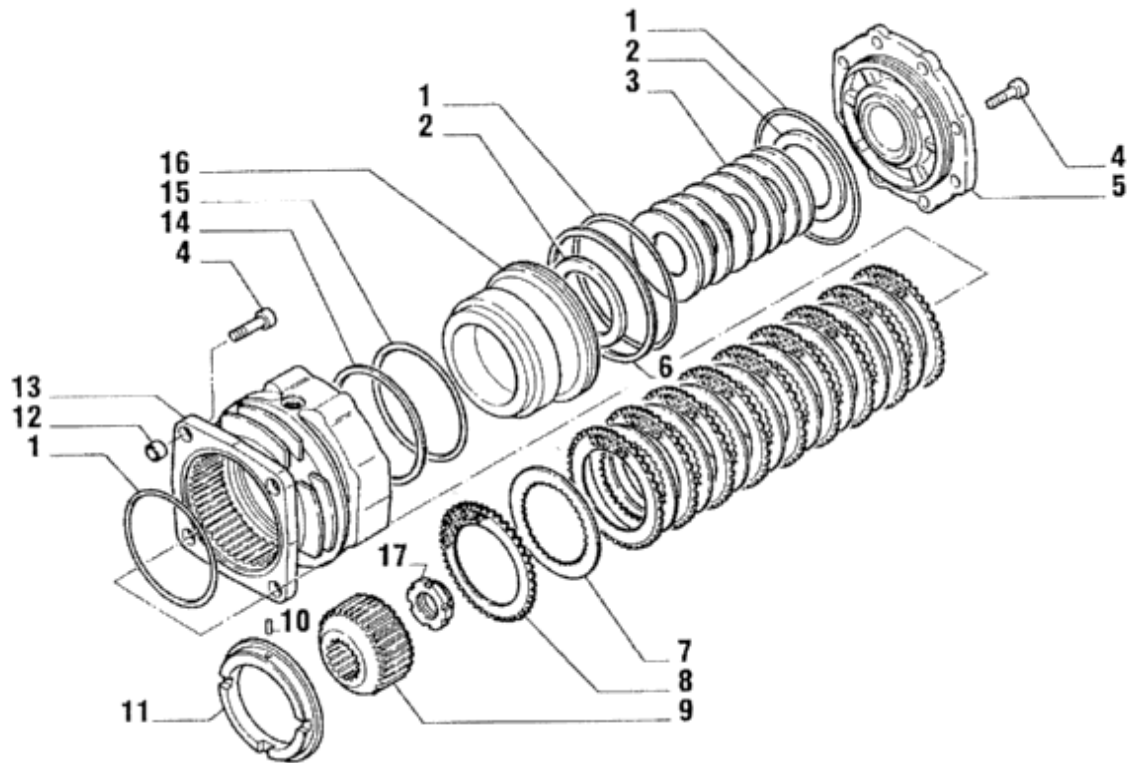
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
I	499-987	2	ROLLER CAGE	
2	499-988	1	SPACER	
3	499-989	2	ROLLER CAGE	
4	499-990	2	THRUST WASHER	
5	499-991	1	GEAR Z27/42	OBSOLETE
6	499-992	2	FLANGE	
7	501-885	2	RING NUT, M35X1.5 (GEAR/PINION	
8	499-993	1	OIL SEAL	
9	499-994	2	BEARING	
10	499-995	1	GEAR Z36	OBSOLETE
II	499-996	1	SHAFT	
12	499-997	1	THRUST WASHER	

NOT SHOWN:

FOOTNOTES:

NOTE:

TRANSMISSION - BRAKES



TRANSMISSION - BRAKES

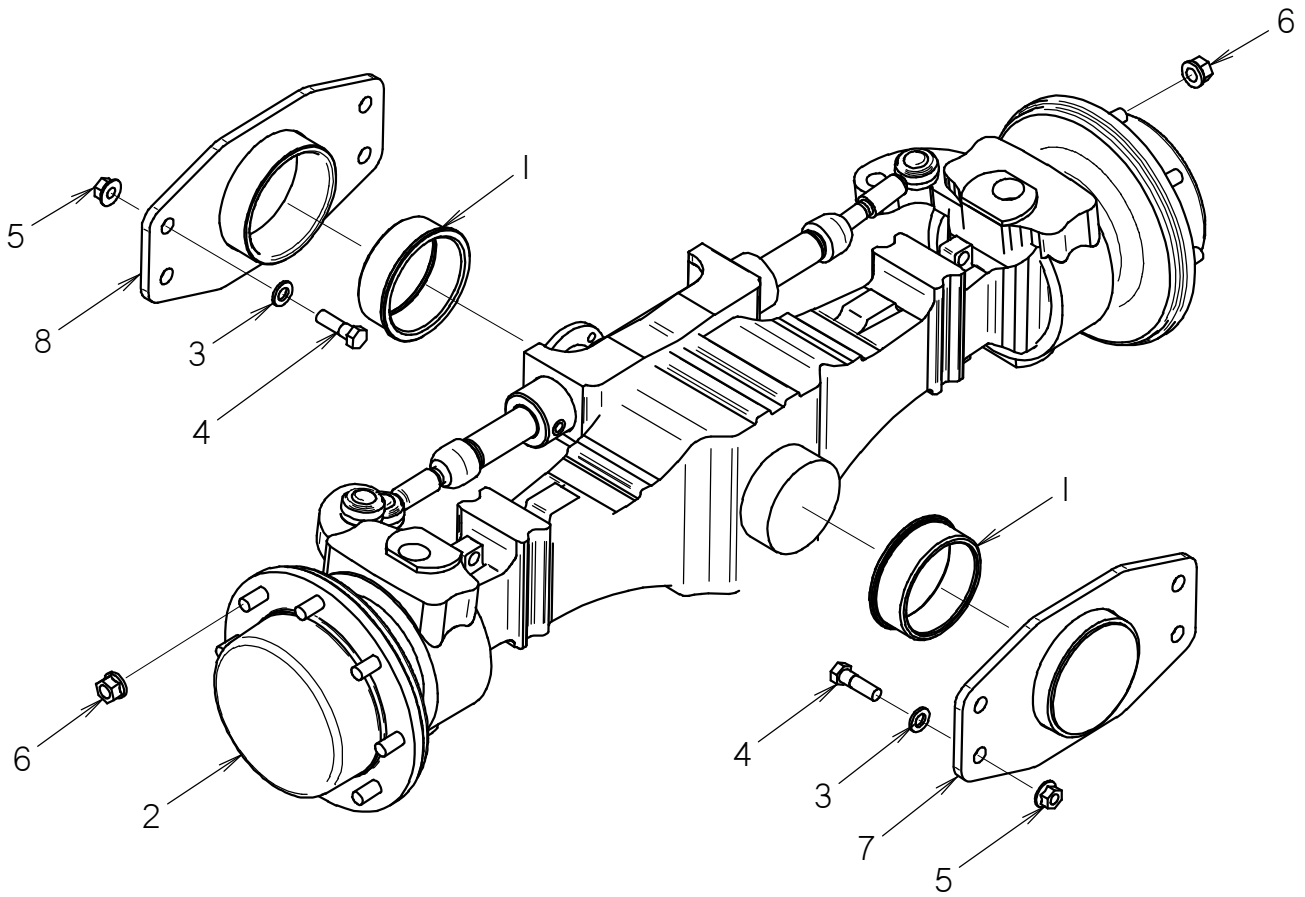
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	499-998	3	O-RING	
2	499-999	2	WASHER (63 X 80 X 3)	
3	502-068	12	BELLEVILLE WASHER	
4	502-069	12	SCREW (M10 X 30)	
5	502-070	1	COVER	
6	502-071	1	RING	
7	502-072	9	REACTION PLATE	
8	502-073	10	BRAKE DISC	
9	502-074	1	SLEEVE	
10	502-075	1	PIN	
11	502-076	1	SPACER	
12	502-077	2	RING	
13	502-078	1	BRAKE HOUSING	
14	502-079	1	RING	
15	502-080	1	O-RING	
16	502-081	1	BRAKE PISTON	
17	501-885	1	RING NUT, M35X1.5 (GEAR/PINION)	

NOT SHOWN:

FOOTNOTES:

NOTE:

FRONT AXLE



FRONT AXLE

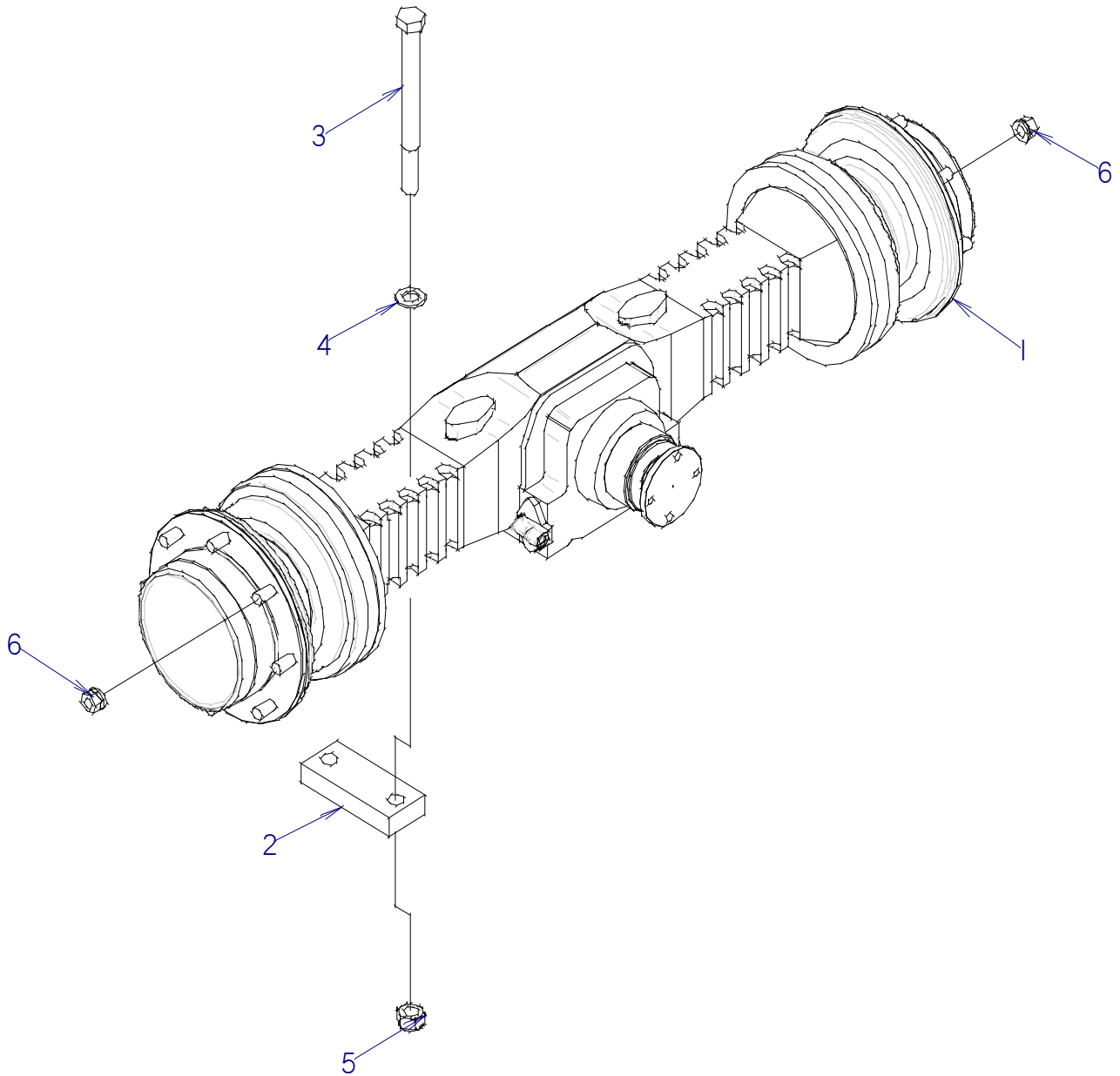
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	178-365	2	BRONZE BUSHING (4.928")	
2	166-502	1	STEERABLE AXLE (26.14)	
3	106-398	8	WASHER (M16, HARDENED)	
4	106-616	8	SCREW (M16-2.00 X 55MM, 10.9)	USE 290 LOCTITE OR EQUIVALENT
5	106-355	8	FLG NUT (M16-2.00, 10.9)	
6	499-521	16	LUG NUT (M20-1.50)	
7	301-0187	1	AXLE MOUNT	
8	301-0186	1	AXLE MOUNT	

NOT SHOWN:

FOOTNOTES:

NOTE:

RIGID REAR AXLE



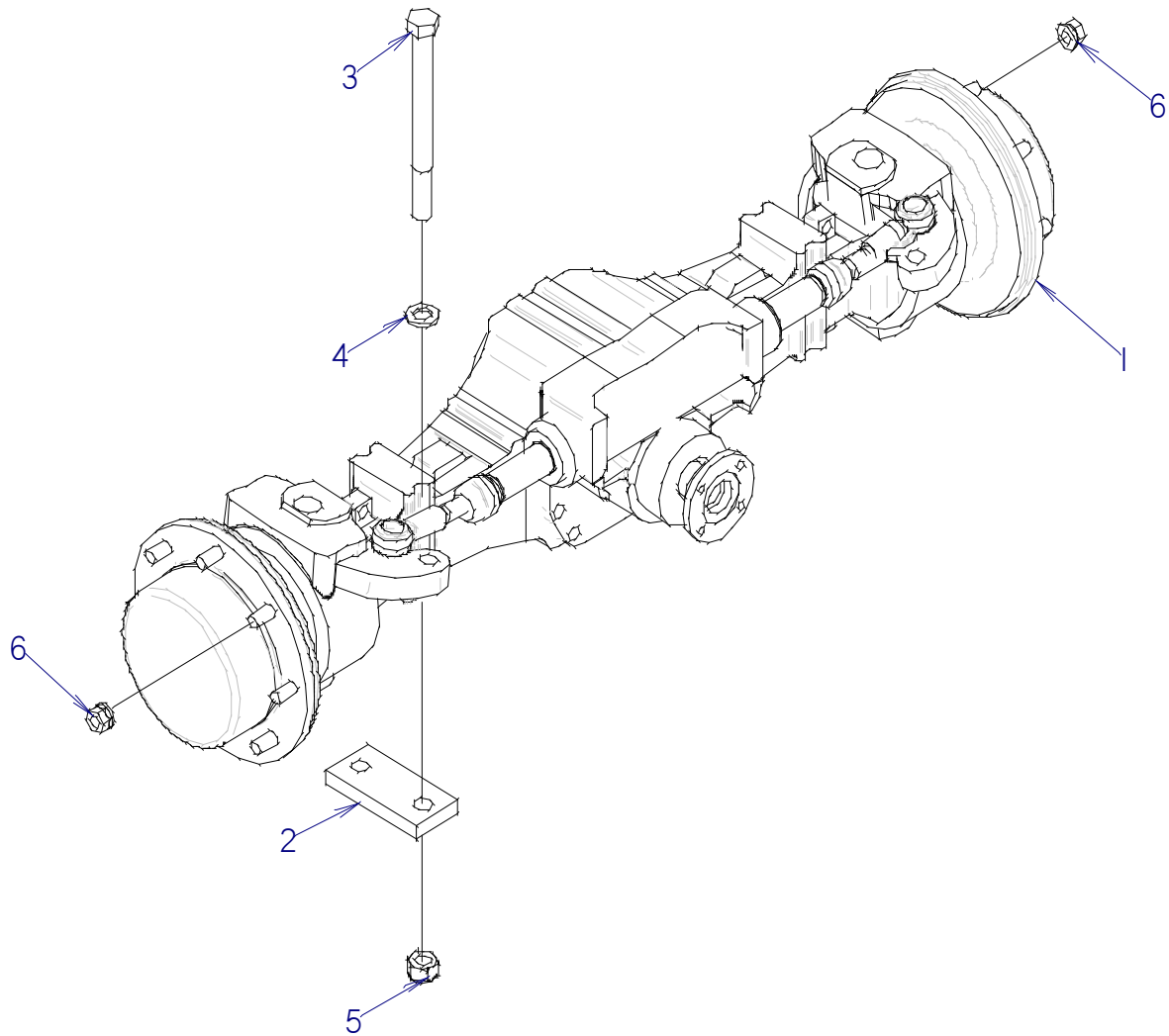
RIGID REAR AXLE

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	166-503	1	RIGID PLANETARY AXLE (28.14)	
2	307-303	1	CLAMP PLATE	
3	106-609	4	SCREW (M24-3.00 X 280MM, 10.9)	
4	106-625	4	WASHER (M24)	
5	106-587	4	LOCKNUT (M24-3.0,PRV TRQ,10.9)	
6	499-521	16	LUG NUT (M20-1.50)	

FOOTNOTES

NOTE:

STEERABLE REAR AXLE



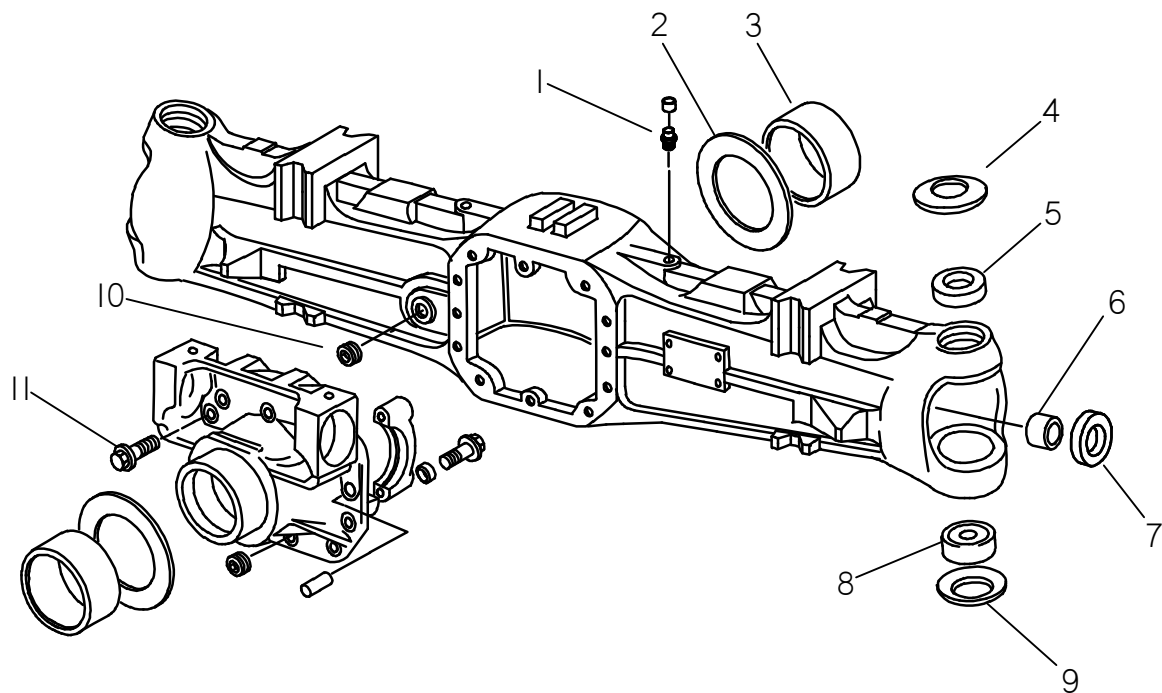
STEERABLE REAR AXLE

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	166-502	1	STEERABLE AXLE (26.14)	
2	307-304	2	CLAMP PLATE	
3	106-609	4	SCREW (M24-3.00 X 280MM, 10.9)	
4	106-625	4	WASHER (M24)	
5	106-587	4	LOCKNUT (M24-3.0, PRV TRQ, 10.9)	
6	499-521	16	LUG NUT (M20-1.50)	

FOOTNOTES

NOTE:

AXLE HOUSING STEERABLE



AXLE HOUSING STEERABLE

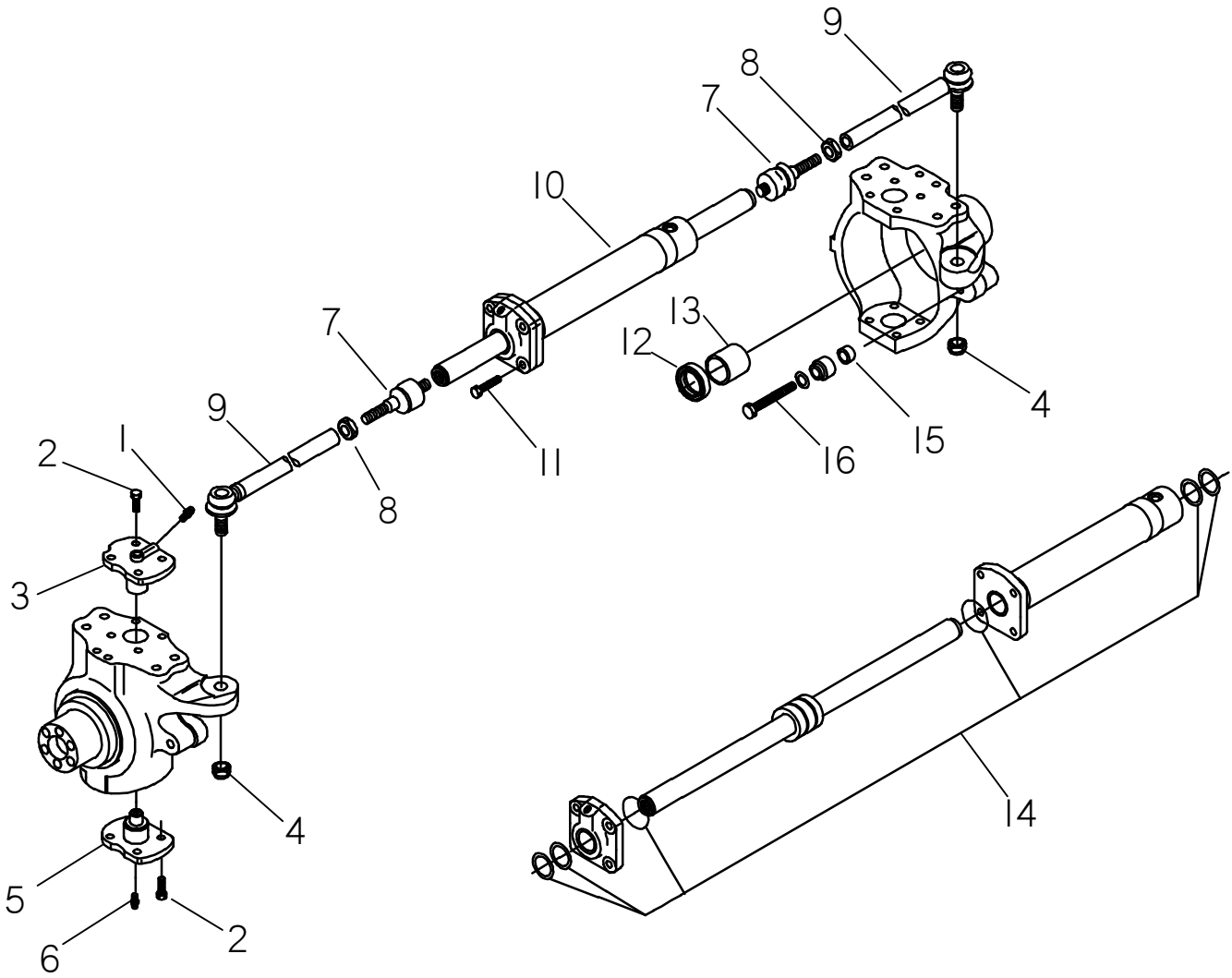
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	159-511	1	VENT PLUG (M10 X 1)	
2.	499-461	2	THRUST WASHER	
3.	499-462	2	BUSHING	
4.	107-338	2	BELLEVILLE WASHER (_____)	
5.	499-946	2	BUSHING	
6.	178-168	2	BUSHING	
7.	499-947	2	OIL SEAL	
8.	126-200	2	SPHERICAL BEARING (METRIC)	
9.	107-339	2	BELLEVILLE WASHER (_____)	
10.	159-512	2	PLUG (M24-1.5, FILL/DRAIN	
11.	107-340	10	SCREW (M12-1.75 X 35mm)	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-STEERING CYLINDER STEERABLE



AXLE-STEERING CYLINDER STEERABLE

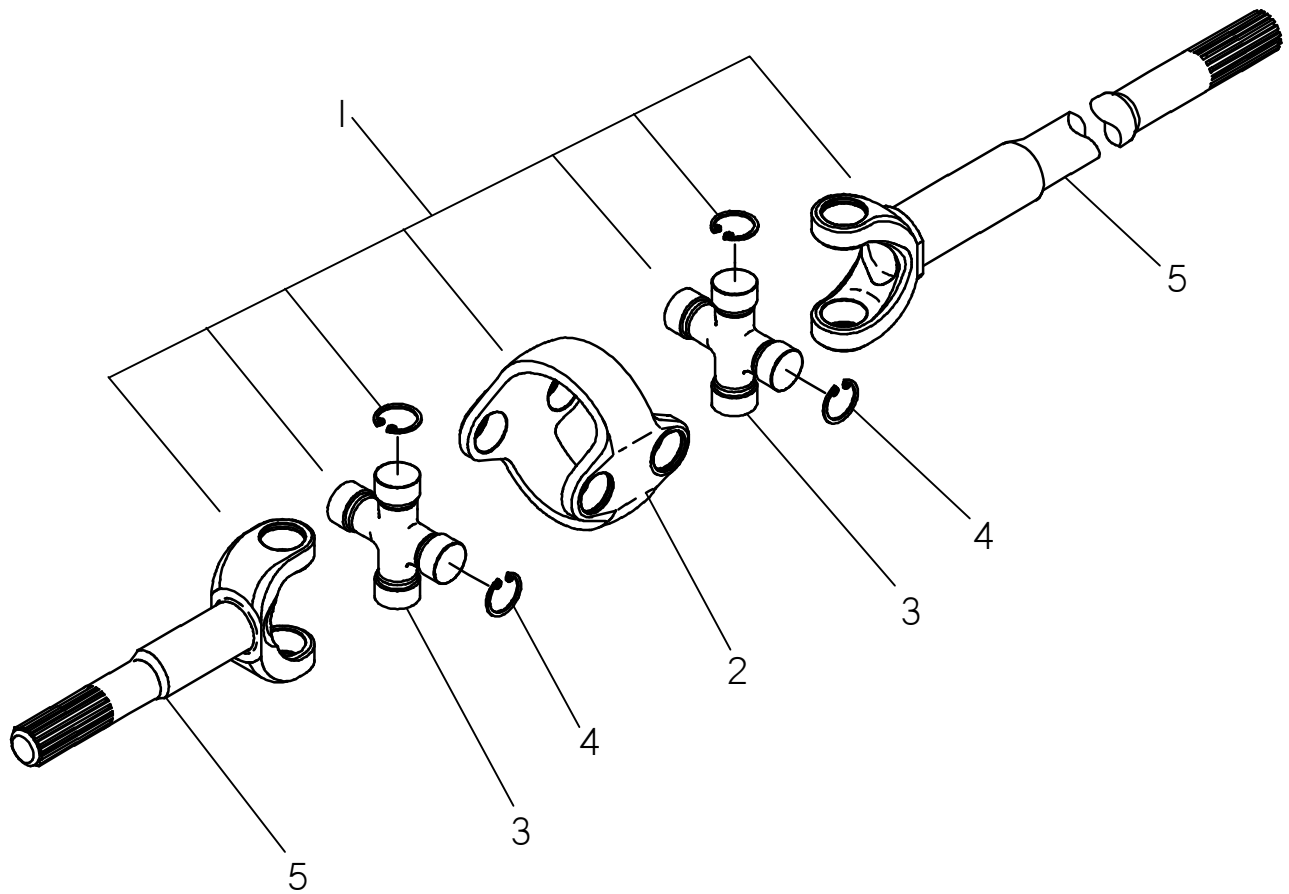
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	115-065	2	ZERK, METRIC (M6 X 1)	
2.	107-341	16	SCREW (M12-1.75 X 30mm)	
3.	501-882	2	KING PIN, SWIVEL HOUSING	
4.	107-342	2	NUT (M18-1.5) (SELF-LOCK)	
5.	501-881	2	KING PIN, SWIVEL HOUSING	
6.	115-066	2	ZERK, METRIC (M6X1-45 DEG)	
7.	162-028	2	BALL JOINT	
8.	107-343	2	NUT, BALL JOINT	
9.	162-029	2	STEERING ARM	
10.	162-030	1	STEERING CYLINDER	
11.	107-344	4	SCREW (M12-1.75 X 45mm)	
12.	499-948	2	OIL SEAL	
13.	178-172	2	BUSHING	
14.	190-894	1	OIL SEAL KIT	
15.	178-173	2	BUSHING	
16.	107-345	2	SCREW (M16-2.00 X 100mm)	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-DOUBLE JOINT STEERABLE



AXLE-DOUBLE JOINT STEERABLE

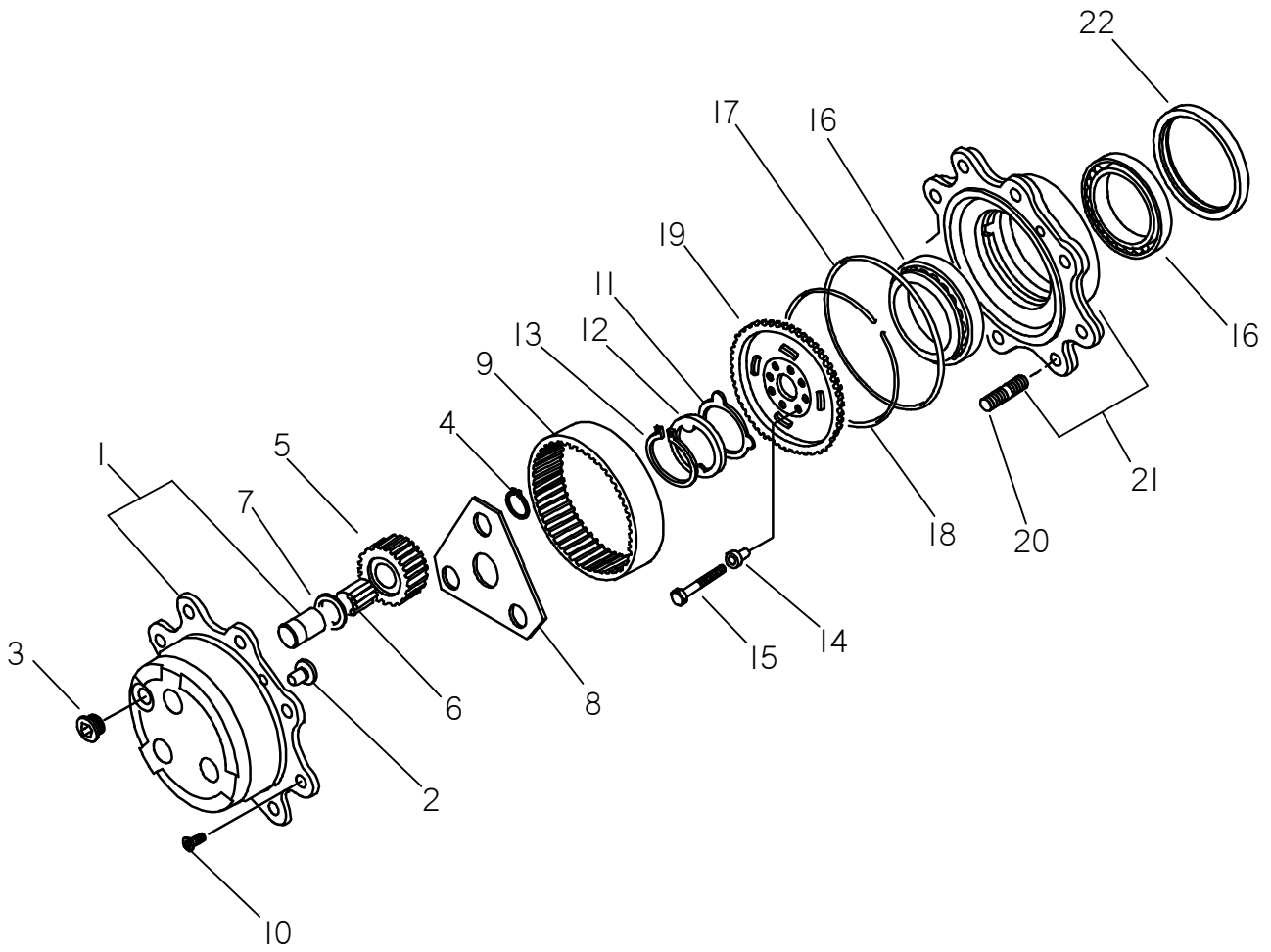
REF	PART			
NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1.	161-309	2	DRIVE SHAFT ASSEMBLY	
2.	161-311	2	CENTRAL BODY (DOUBLE JOINT)	
3.	182-228	4	"SPIDER" U-JOINT	
4.	118-059	16	EXTERANL SNAP RING (_____)	
5.	161-312	2	HALF SHAFT, WHEEL SIDE (5700 DD)	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-WHEEL HUB/REDUCTION GEAR STEERABLE



AXLE-WHEEL HUB/REDUCTION GEAR STEERABLE

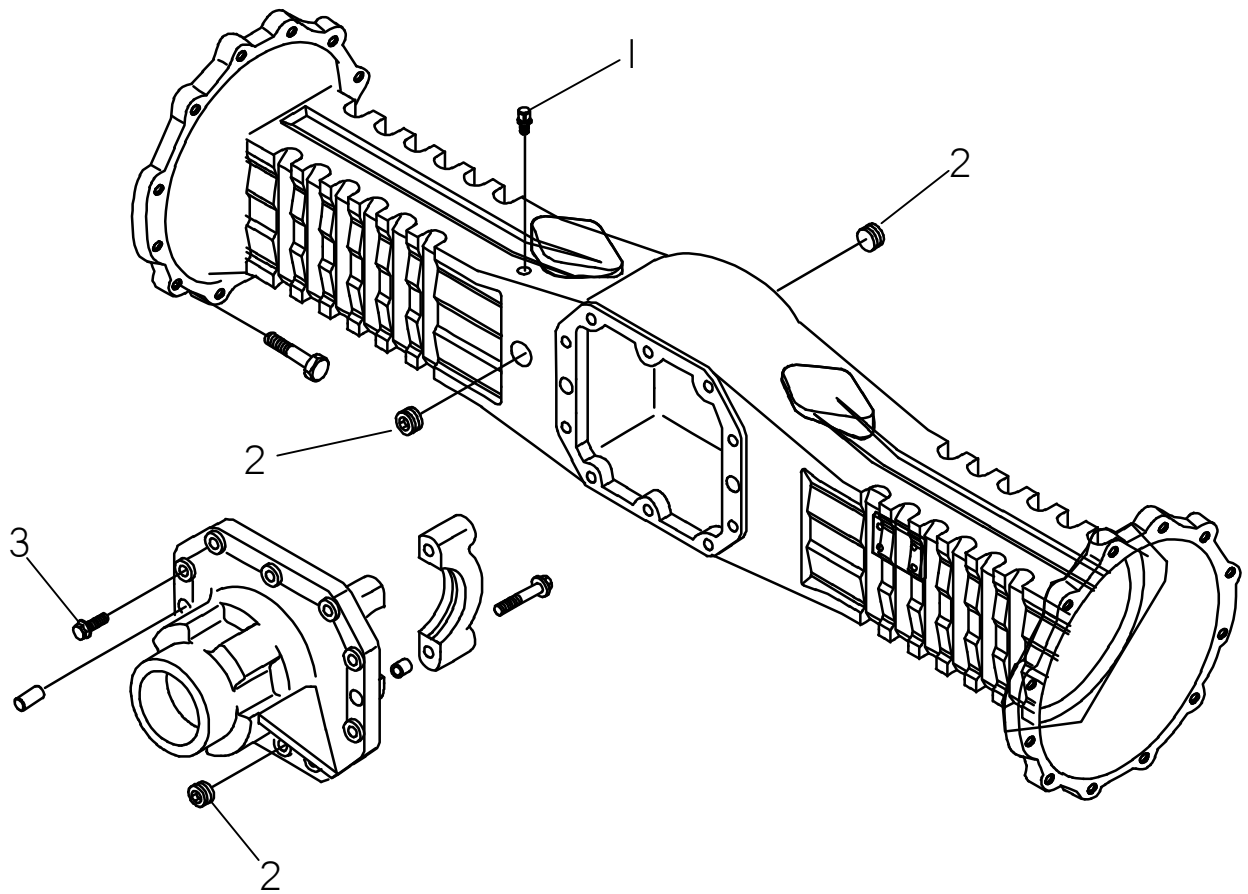
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	161-313	2	PLANETARY CARRIER ASSEMBLY	
2.	499-951	2	LOCK PIN	
3.	114-036	2	PLUG, PLANETARY CARRIER	
4.	118-060	6	EXTERNAL SNAP RING (_____)	
5.	501-894	6	PLANETARY GEAR (Z=23) DIFF	
6.	126-203	18	BEARING, NEEDLE (5700DD PLNTRY)	
7.	501-895	6	THRUST WASHER	
8.	499-529	2	THRUST WASHER	
9.	501-896	6	CROWN GEAR, (Z=60) PLANETARY	
10.	107-349	4	SCREW (M8-1.25 X 20mm)	
11.	501-897	2	THRUST WASHER	
12.	499-535	2	WASHER	
13.	118-061	2	EXTERNAL SNAP RING	
14.	178-175	12	CENTERING BUSHING	
15.	107-350	12	LK SCREW (M10-1.5 X 45mm)	
16.	126-204	4	BEARING (5700 DD PLANETARY)	
17.	157-224	2	O-RING	
18.	499-501	2	RING	
19.	501-899	2	WHEEL CARRIER, PLANETARY	
20.	107-351	16	STUD, PLANETARY WHEEL HUB	
21.	499-952	2	WHEEL HUB	
22.	499-958	2	CASSETTE SEAL	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-HOUSING RIGID



AXLE-HOUSING RIGID

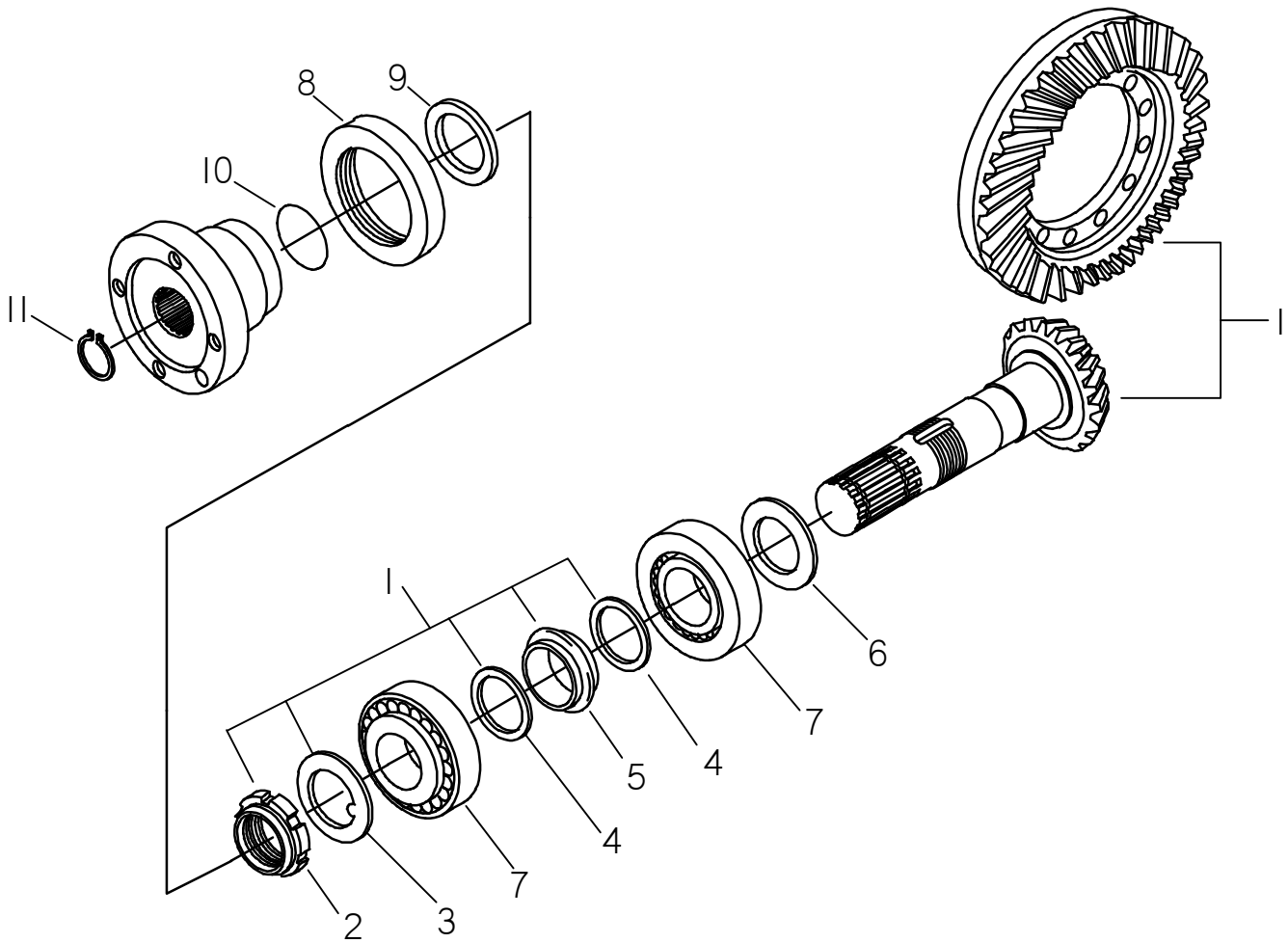
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	159-511	1	BREATHER (M10 X 11)	
2.	159-512	3	PLUG (M24 X 1,5)	
3.	107-340	10	BOLT (M12 X 33)	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-GEAR/PINION STEERABLE/RIGID



AXLE-GEAR/PINION STEERABLE/RIGID

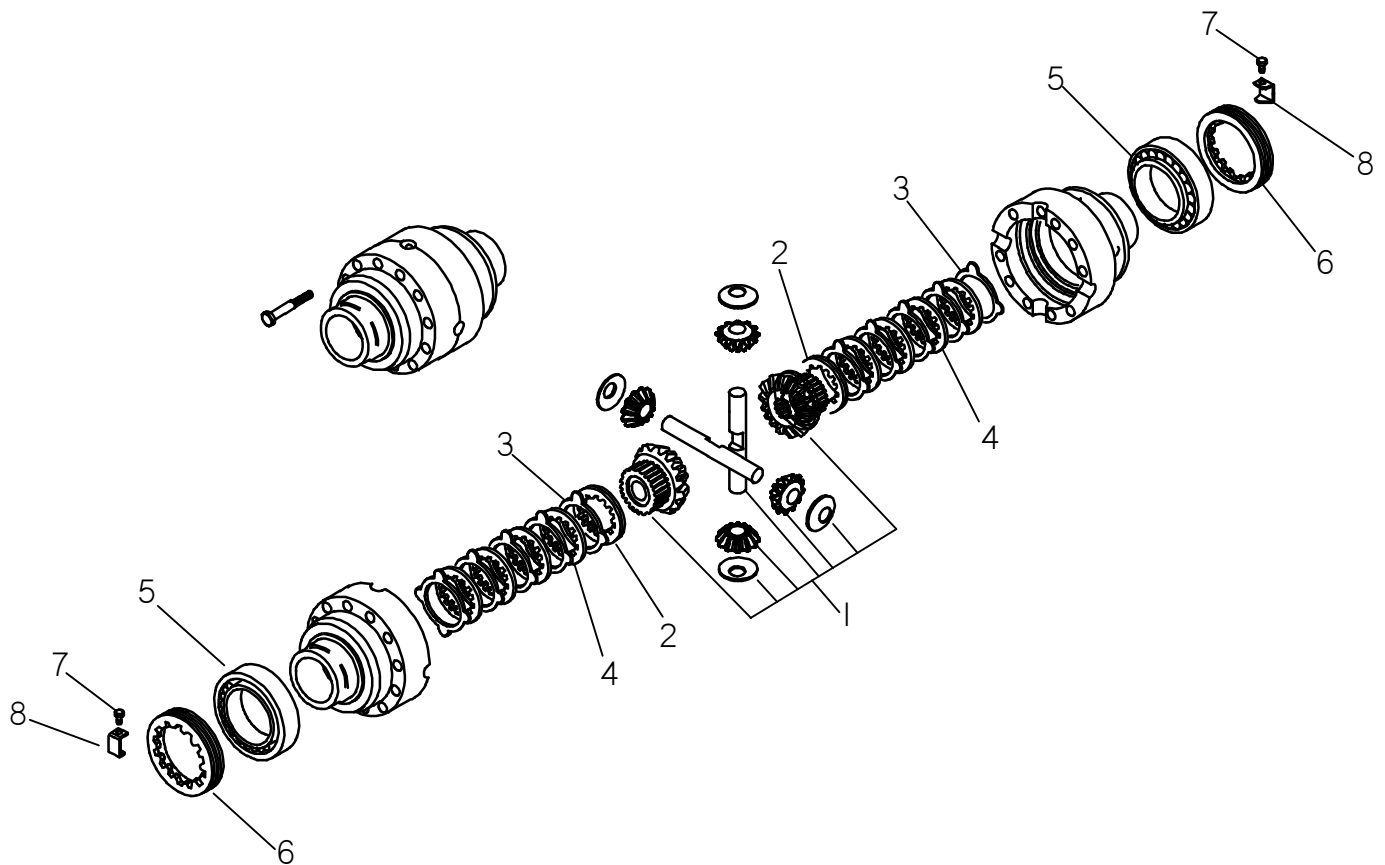
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1.	499-951	1	BEVEL GEAR SET Z9/32	
2.	501-885	1	RING NUT (M35 X 1.5)	
3.	501-884	1	LOCKWASHER	
4.	107-347	2	WASHER	
5.	501-886	1	COLLAPSIBLE SPACER	
6.	168-606		SHIM (2.50mm)	PART OF KIT
	168-607		SHIM (2.60mm)	PART OF KIT
	168-608		SHIM (2.70mm)	PART OF KIT
	168-609		SHIM (2.80mm)	PART OF KIT
	168-610		SHIM (2.90mm)	PART OF KIT
	168-611		SHIM (3.00mm)	PART OF KIT
	168-612		SHIM (3.10mm)	PART OF KIT
	168-613		SHIM (3.20mm)	PART OF KIT
	168-614		SHIM (3.30mm)	PART OF KIT
	168-615		SHIM (3.40mm)	PART OF KIT
7.	126-201	2	BEARING, GEAR & PINION	
8.	157-748	1	OIL SEAL, GEAR & PINION	
9.	501-887	1	WASHER (M31.4)	
10.	157-220	1	O-RING (_____)	
11.	118-058	1	SNAP RING (_____)	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-DIFFERENTIAL STEERABLE/RIGID



AXLE-DIFFERENTIAL STEERABLE/RIGID

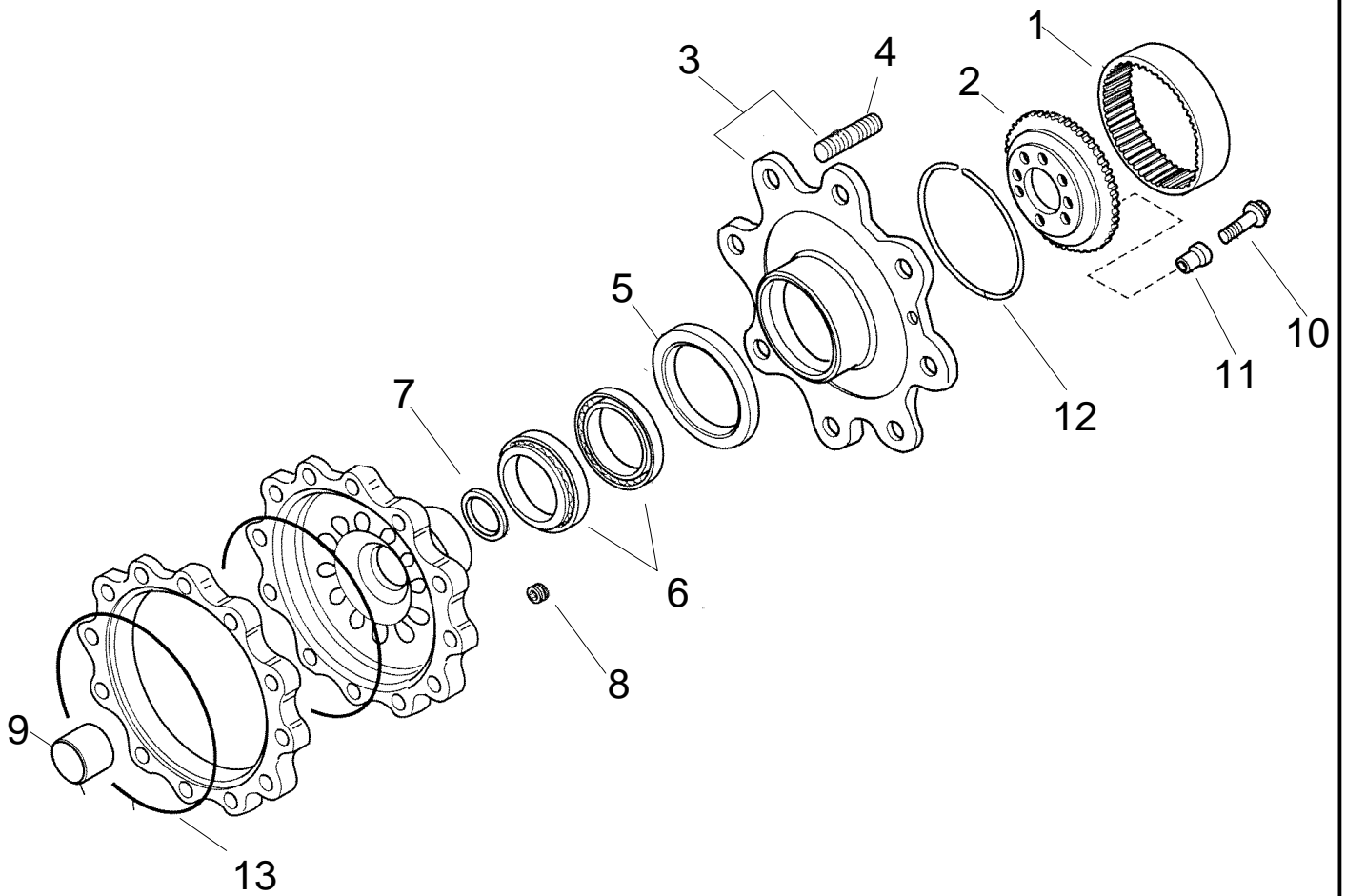
REF	PART				
NO.	NUMBER	QTY	DESCRIPTION		REMARKS
1.	501-889	1	DIFFERENTIAL KIT		
2.	501-890	2	DIFF. PLATE		
3.	501-882	10	DIFF. DRIVE PLATE		
4.	501-891	8	DIFF. PLATE		
5.	126-202	2	BEARING		
6.	501-893	2	RING NUT (M94 X 2)		
7.	107-348	2	BOLT (M6 X 10)		
8.	499-956	2	LOCKING PLATE		

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE-WHEEL HUB



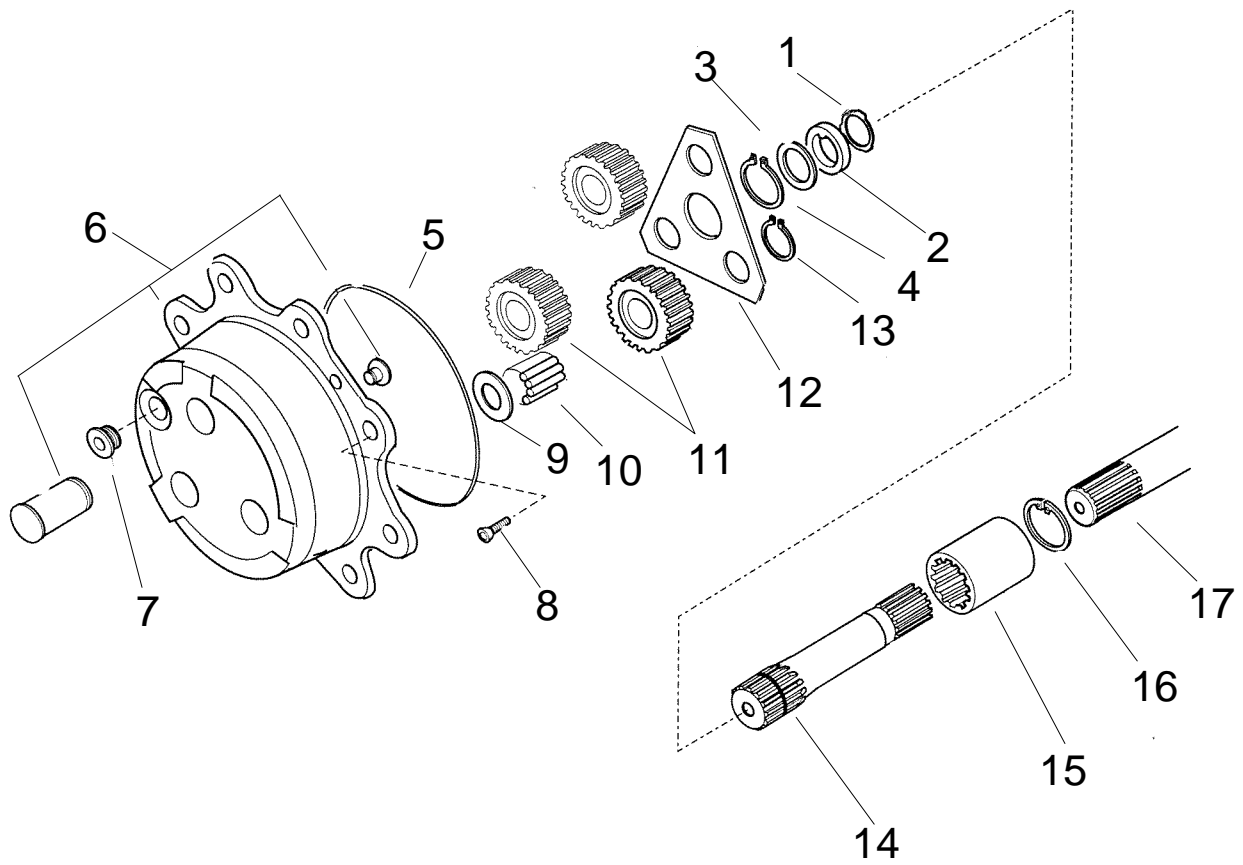
AXLE-WHEEL HUB

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	501-896	2	CROWN GEAR, IZ=60I PLANETARY	
2	501-899	2	WHEEL CARRIER, PLANETARY	
3	499-957	2	WHEEL HUB KIT	
4	499-499	16	STUD	
5	499-958	2	SEAL RING	
6	499-531	4	BEARING	
7	499-532	2	SEAL RING	
8	159-512	2	PLUG (M24-1.50, FILL/DRAIN)	
9	499-959	2	BUSHING	
10	107-350	12	LK SCREW (M10-1.50 X 45MM)	
11	178-175	12	CENTERING BUSHING	
12	499-501	2	LOCKRING	
13	499-533	4	O-RING	

FOOTNOTES

NOTE:

AXLE-REDUCTION GEARS RIGID



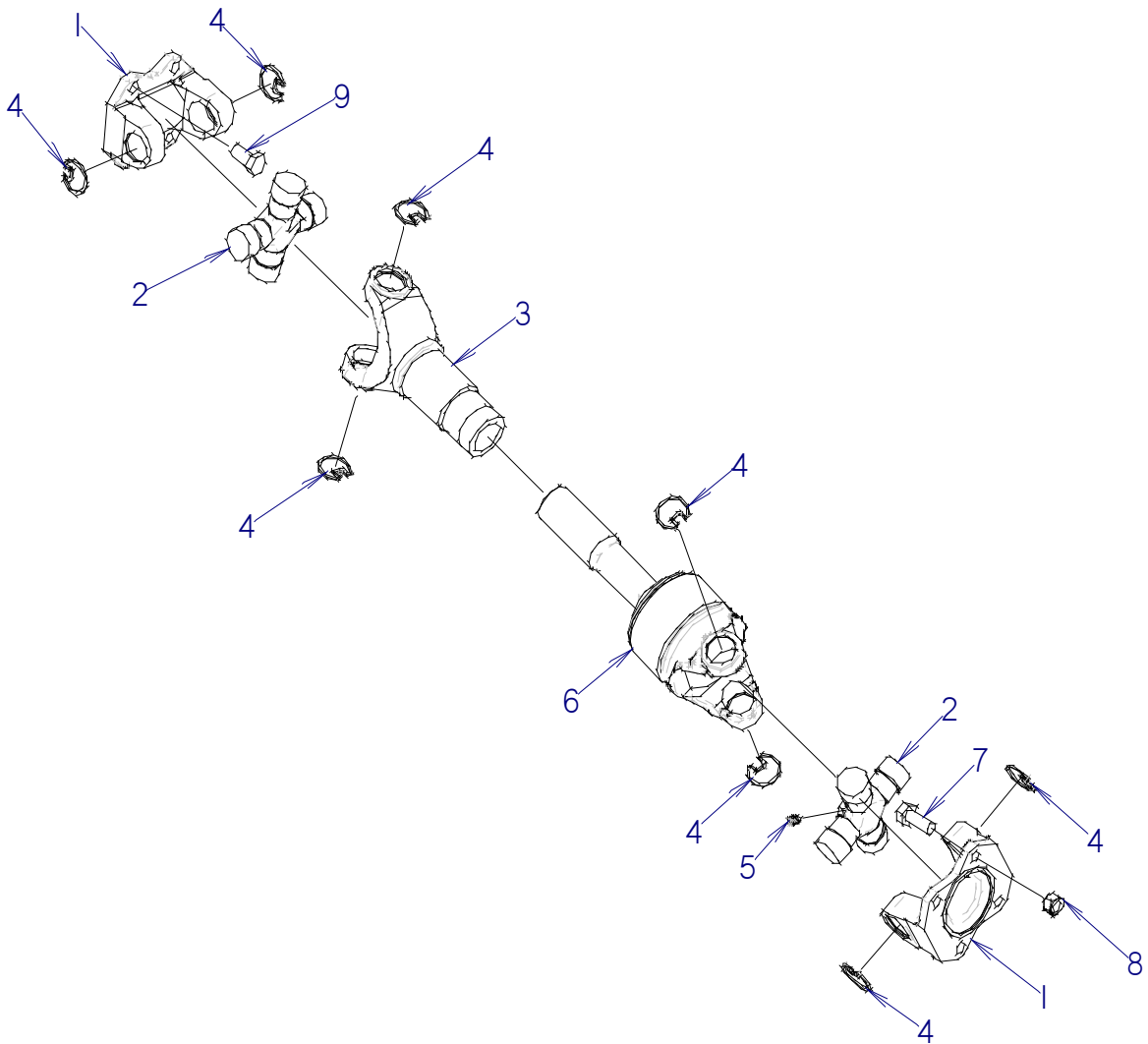
AXLE-REDUCTION GEARS RIGID

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	501-897	2	THRUST WASHER	
2	499-534	2	SPACER	
3	499-535	2	WASHER	
4	118-061	2	EXTERNAL SNAP RING	
5	157-224	2	O-RING	
6	161-313	2	PLANETARY CARRIER ASSEMBLY	
7	114-036	2	PLUG, PLANETARY CARRIER	
8	107-349	4	SCREW (M8-1.25 X 20MM)	
9	501-895	6	THRUST WASHER	
10	499-530	18	NEEDLE BEARING 110I	
11	501-894	6	PLANETARY GEAR (Z=23) DIFF	
12	499-529	2	THRUST WASHER	
13	118-060	6	EXTERNAL SNAP RING (____")	
14	499-536	2	HALF SHAFT Z12	
15	499-537	2	SLEEVE	
16	499-538	2	SNAP RING D32	
17	499-539	2	HALF SHAFT	

FOOTNOTES

NOTE:

DRIVE LINE



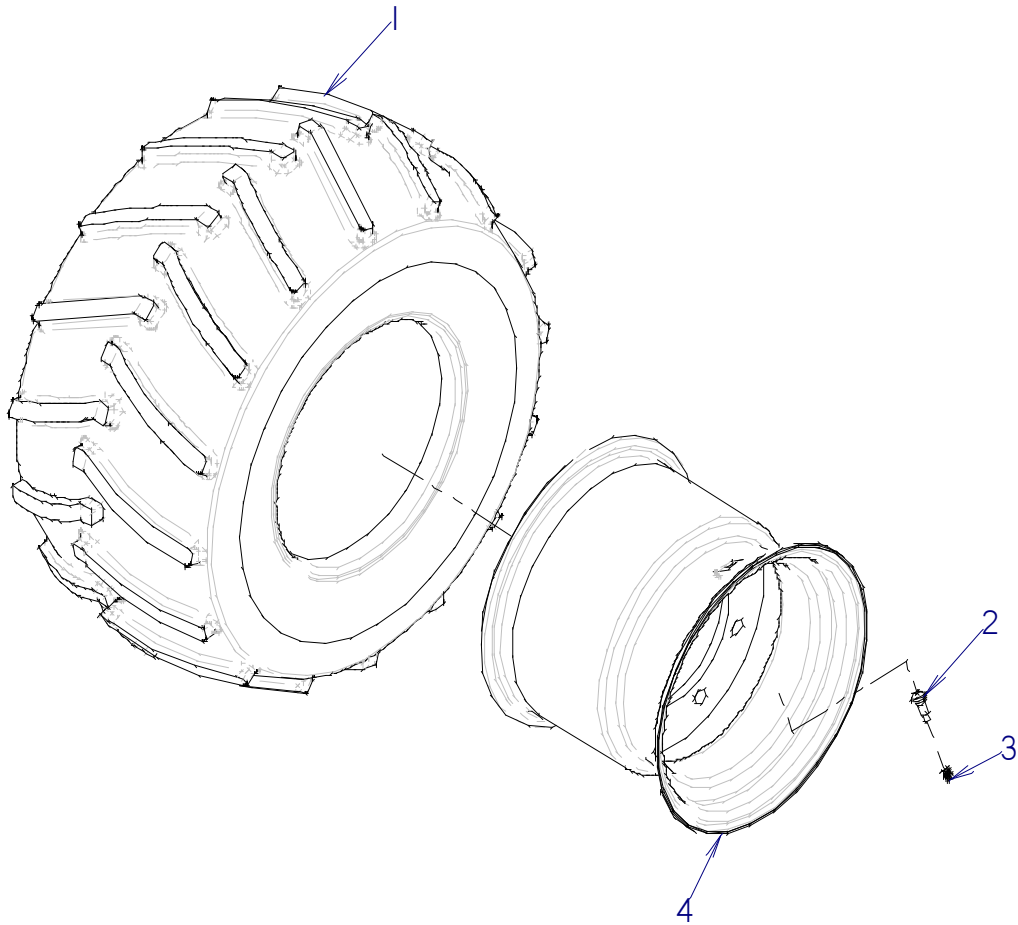
DRIVE LINE

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	166-507	-	DRIVE SHAFT	
1	182-173	4	FLANGE YOKE, 1410	
2	182-145	4	CROSS/BEARING KIT (1-3/16")	
3	179-779	2	SLIP YOKE	
4	118-061	16	EXTERNAL SNAP RING	
5	115-003	4	ZERK (1/4-NF, STR)	
6	166-523	2	YOKE SHAFT	
7	108-094	8	SCREW (M12-1.25 X 30MM)	
8	108-095	8	HEX NUT (M12-1.25)	
9	107-757	8	SCREW (M12-1.25 X 25MM)	

FOOTNOTES

NOTE:

T/W (31 X 15.50-15, D8TL)



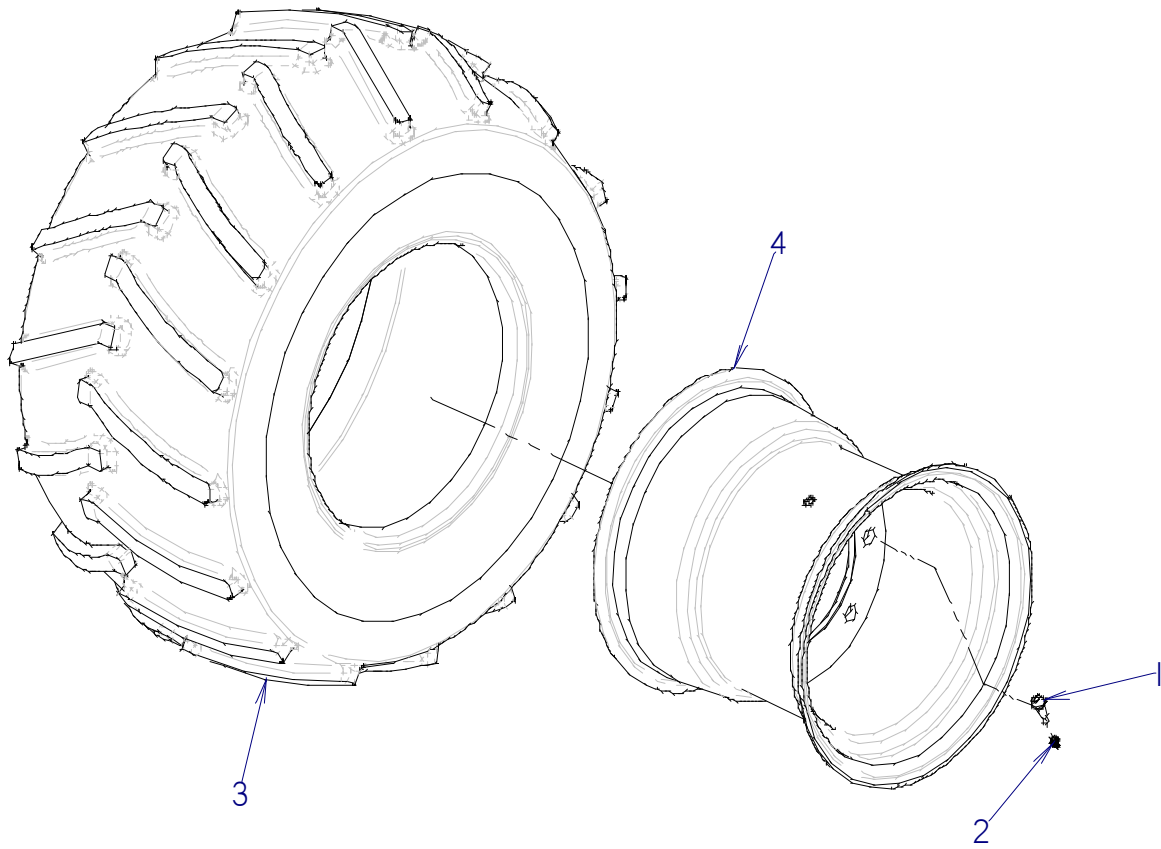
T/W (31 X 15.50-15, D8TL)

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	205-481	-	T/W (31 X 15.50-15, D8TL)	INCLUDES REF #'S 1 THRU 4
1	205-109	1	TIRE (31 X 15.50-15, D8TT)	
2	205-161	1	VALVE STEM (L625)	
3	205-165	1	VALVE CAP (L305"-32)	
4	205-475	1	WHEEL (15 X 15.5, W/8)	

FOOTNOTES

NOTE:

TIRE & WHEEL (35 X 19.00-16.1)



TIRE & WHEEL (35 X 19.00-16.1)

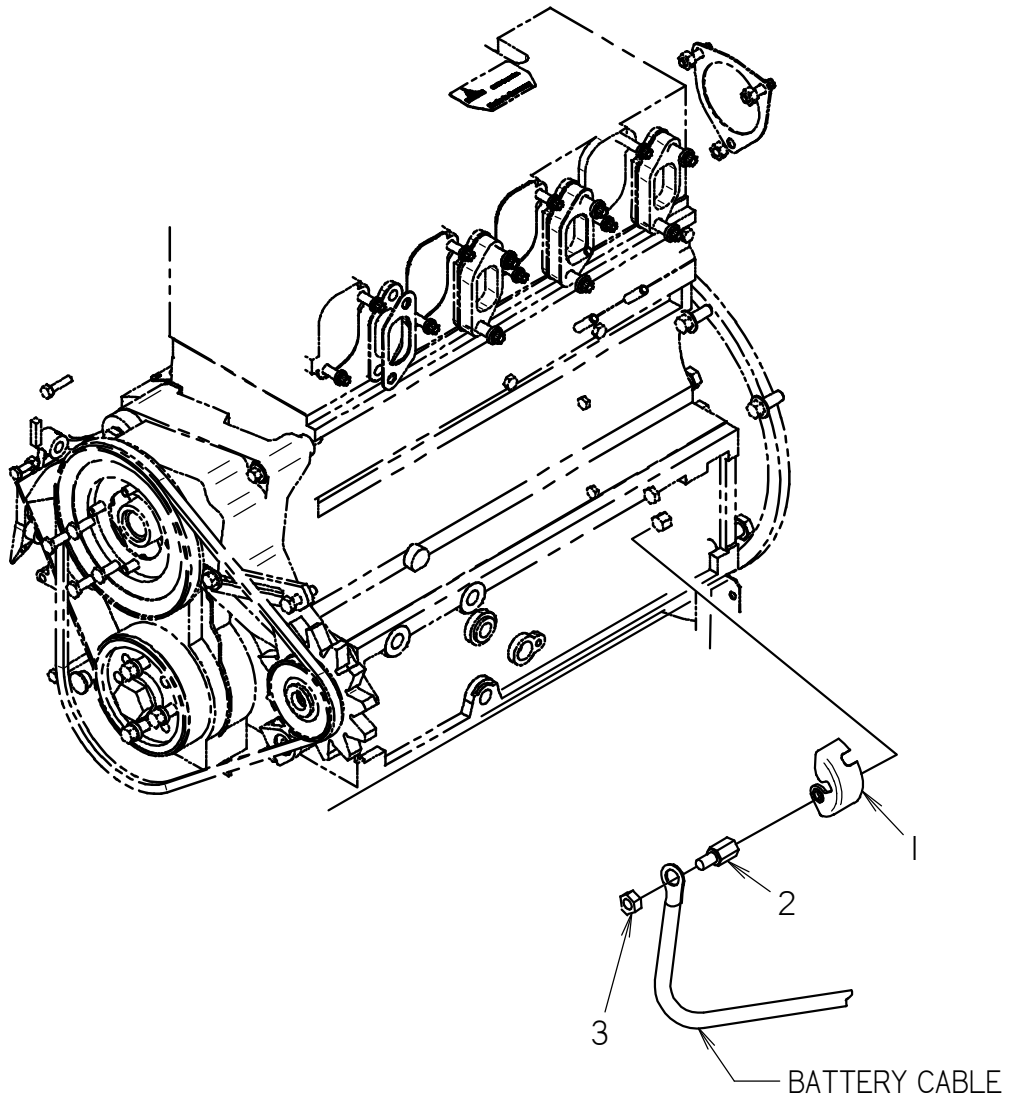
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	205-377	-	TIRE & WHEEL (35 X 19.00-16.1)	INCLUDES REF #S 1 THRU 4
1	205-161	1	VALVE STEM (625)	
2	205-165	1	VALVE CAP (305"-32)	
3	205-184	1	TIRE (35 X 19.00-16.1)	
4	205-373	1	WHEEL (16.1 X 16WD W/8)	

FOOTNOTES

NOTE:

FRAME COMPONENTS

BATTERY CONNECT



BATTERY CONNECT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	215-1549	1	STARTER SOLENOID COVER	
2	106-930	1	STUD (M10-1.50 X 40MM)	
3	106-175	1	LOCKNUT (M10-1.50)	

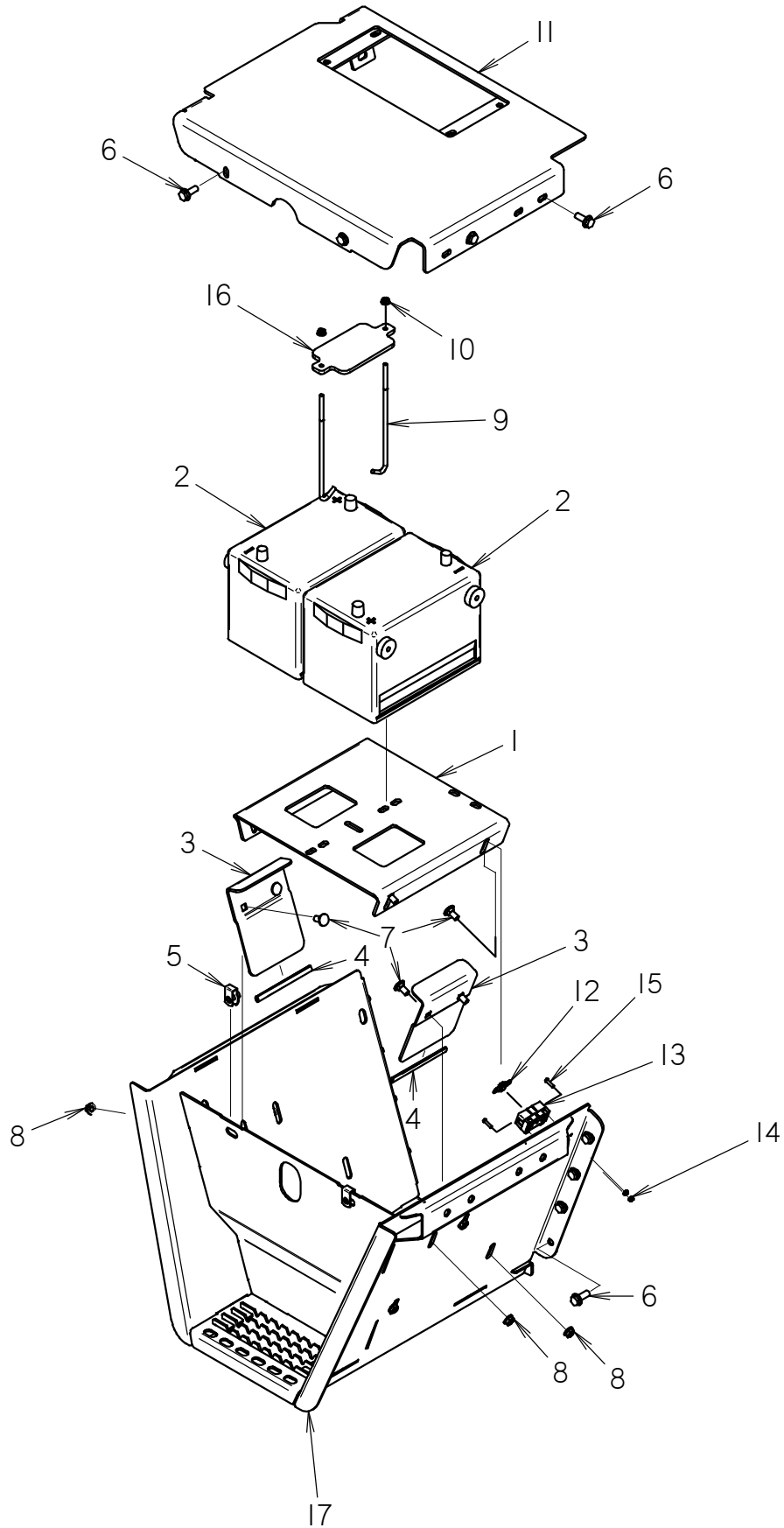
FOOTNOTES

NOTE:

A

809-306

DUAL BATTERY OPTION



DUAL BATTERY OPTION

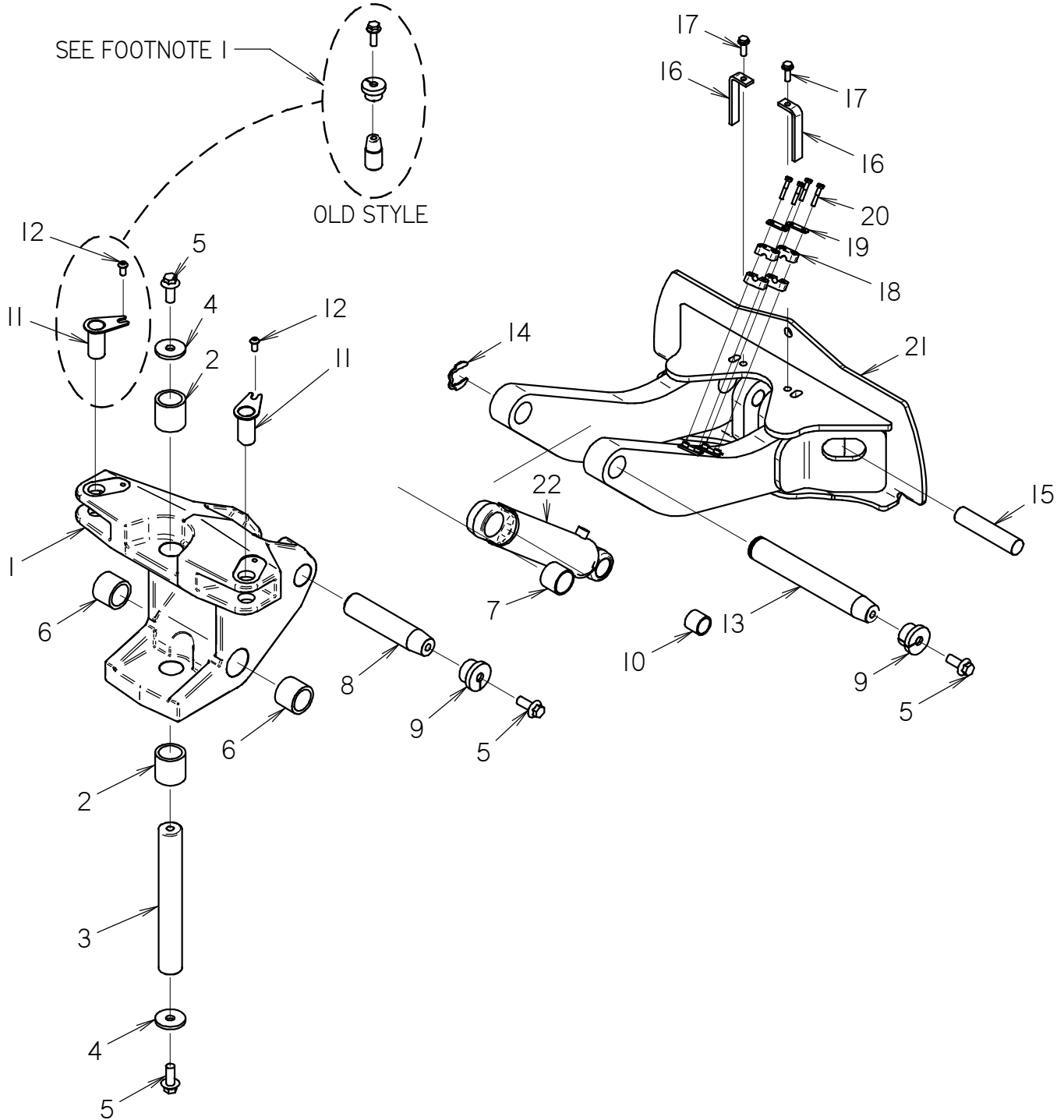
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-354	-	DUAL BATTERY CONVERSION KIT	INCLUDES REF. NUMBERS 2-4, 7-10 AND 17
1	300-8573	1	BATTERY PLATE	
2	215-244	2	BATTERY	
3	334-090	2	BATTERY HOLD DOWN	
4	116-789	AR	RUBBER EDGE TRIM 1/8" (FT)	USE 2 @ 5" EA.
5	106-558	2	CLIP NUT (M10-1.50)	
6	106-724	12	FLG SCREW (M10-1.50 X 25MM)	
7	105-835	6	CARRIAGE BOLT (3/8-NC X 3/4")	
8	105-834	7	FLG LOCKNUT (3/8-NC)	
9	179-799	2	J-HOOK	
10	105-832	2	FLG LOCKNUT (1/4-NC)	
11	325-848	1	STEP	
12	211-305	1	BK/AMI 125 AMP FUSE	
13	363-714	1	MODIFIED FUSE PANNEL ASSEMBLY	
14	105-680	2	NUT (M4, W/LK WSHR)	
15	107-580	2	SCREW (M4-0.70 X 16MM,BUT SOC)	
16	323-694	1	DUAL BATTERY HOLD DOWN	
17	300-9500	1	CRADLE WELDMENT	

NOT SHOWN:

FOOTNOTES:

NOTE:

BACKFILL BLADE PIVOT



BACKFILL BLADE PIVOT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	331-475	1	PIVOT	
2	125-822	2	COMPOSITION BUSHING (1.750")	
3	178-572	1	PIN (1.750" X 12.750")	
4	105-416	2	WASHER (5/8")	
5	106-470	4	FLG SCREW (M16-2.0 X 40MM)	
6	125-773	2	COMPOSITION BUSHING (1.75")	
7	125-739	1	COMPOSITION BUSHING (1.756")	
8	183-768	1	TAPERED PIN (44.4MM X 205MM)	
9	181-975	2	TAPERED INSERT (1.75")	
10	125-771	1	COMPOSITION BUSHING (1.25")	
11	300-8460	2	TAB PIN (1.25 X 2.57)	
12	107-537	2	BOLT (M10-1.50 X 20MM,BUT SOC)	
13	183-781	1	TAPERED PIN(44.4 X 303MM)	
14	115-504	1	KLIP RING (1.750")	
15	179-803	1	PIN (1.250" X 6.00")	
16	309-138	2	RETAINER	
17	106-383	2	FLG LK SCREW (M10-1.50 X 30MM)	
18	110-866	2	CLAMP SET (1/2")	
19	110-958	2	BACKUP PLATE	
20	105-818	4	BOLT (1/4-NC X 1-1/2")	
21	320-957	1	BLADE MOUNT	
22	151-045	1	CYL (2.5 X 1.25 X 8.0)	

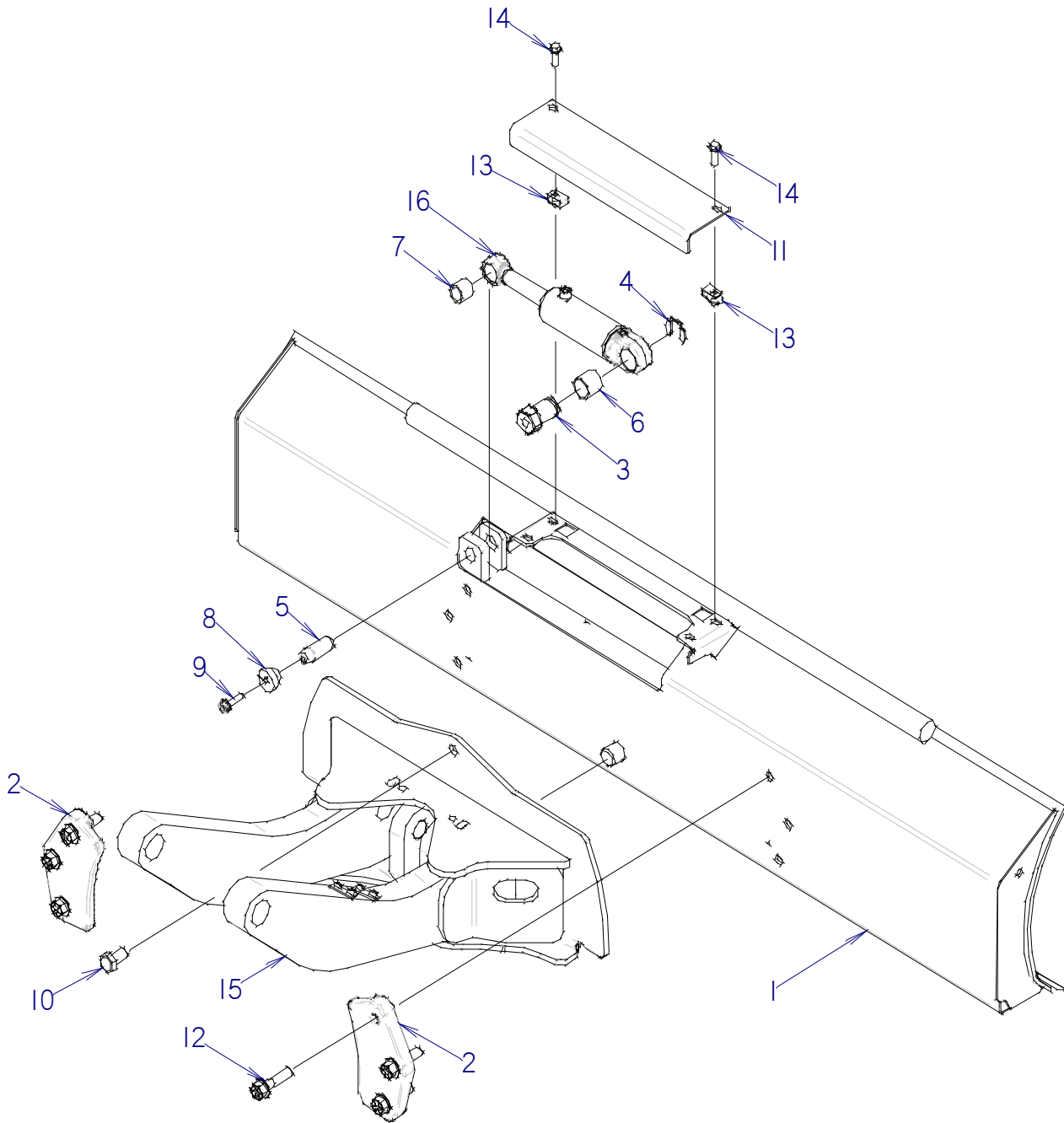
NOT SHOWN:

FOOTNOTES:

1. OLDSTYLE ASSEMBLY INCLUDES: 181-982 TAPERED INSERT, 106-632 FLG LK SCREW (M10-1.50 X 30MM), 179-553 TAPERED PIN (1.250 X 2.560)

NOTE:

BACKFILL BLADE



BACKFILL BLADE

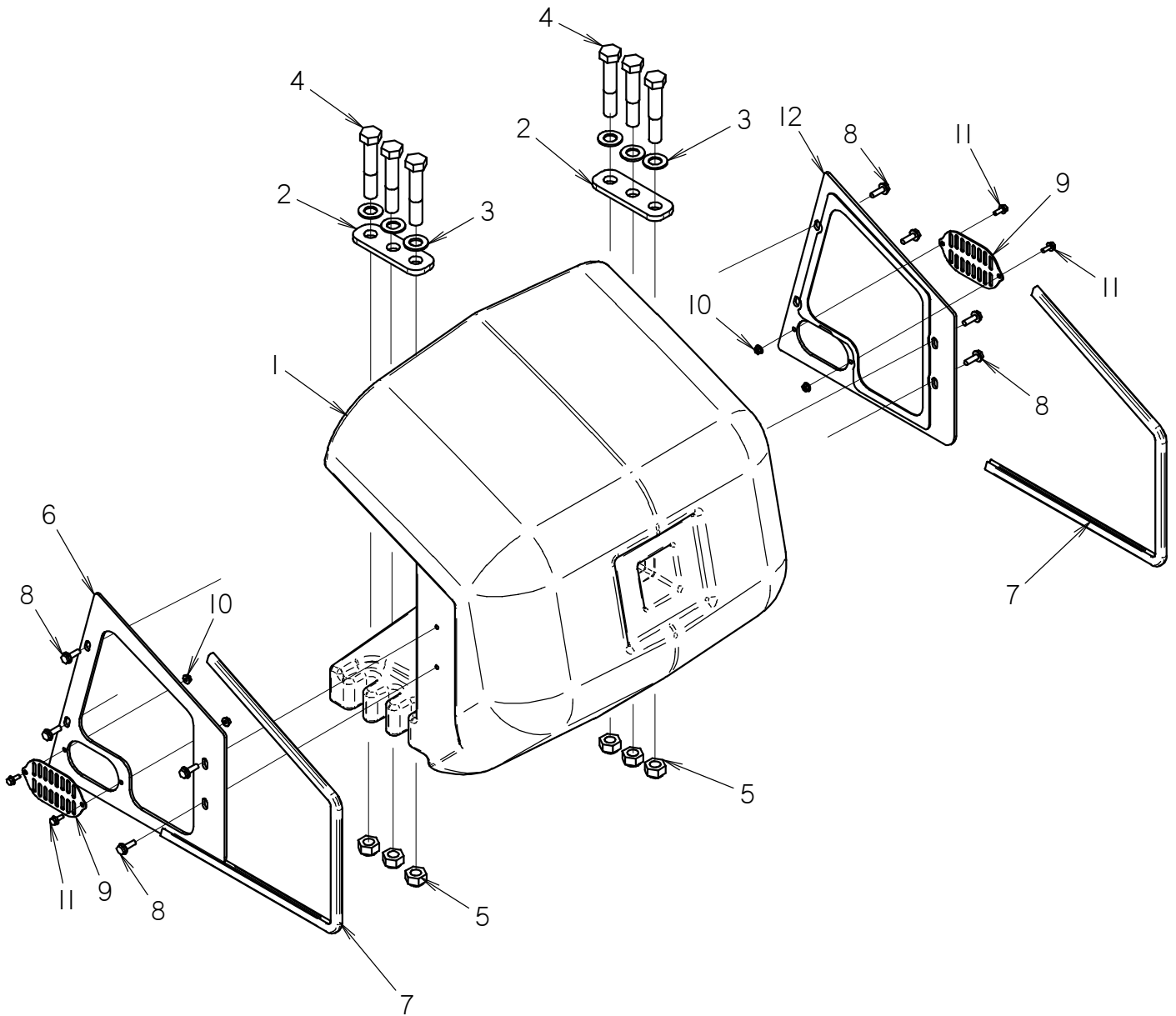
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	323-999	1	BACKFILL BLADE, 72'	
2	328-160	2	TILT BLADE RETAINER	
3	183-592	1	PIN (1.25" X 1.625")	
4	115-483	1	KLIP RING (1.250")	
5	183-584	1	TAPERED PIN (1.000" X 2.440")	
6	125-771	1	COMPOSITION BUSHING (1.25')	
7	125-770	1	COMPOSITION BUSHING (1")	
8	181-981	1	TAPERED INSERT (1")	
9	105-874	1	FLG LK BOLT (3/8-NC X 1-1/2')	
10	105-379	1	LK BOLT (3/4-NC X 1-1/4", NLK)	
11	323-996	1	TILT CYLINDER COVER	
12	105-303	6	FLG BOLT (5/8-NC X 2-1/2')	
13	106-558	2	CLIP NUT (M10-1.50)	
14	107-002	2	FLG LK SCREW (M10-1.50 X 30MM)	
15	320-957	1	BLADE MOUNT	
16	151-228	1	CYL (2" X 1" X 2.16')	

FOOTNOTES

NOTE:

FRONT WEIGHT AND GRILLES

RT55



FRONT WEIGHT AND GRILLES

RT55

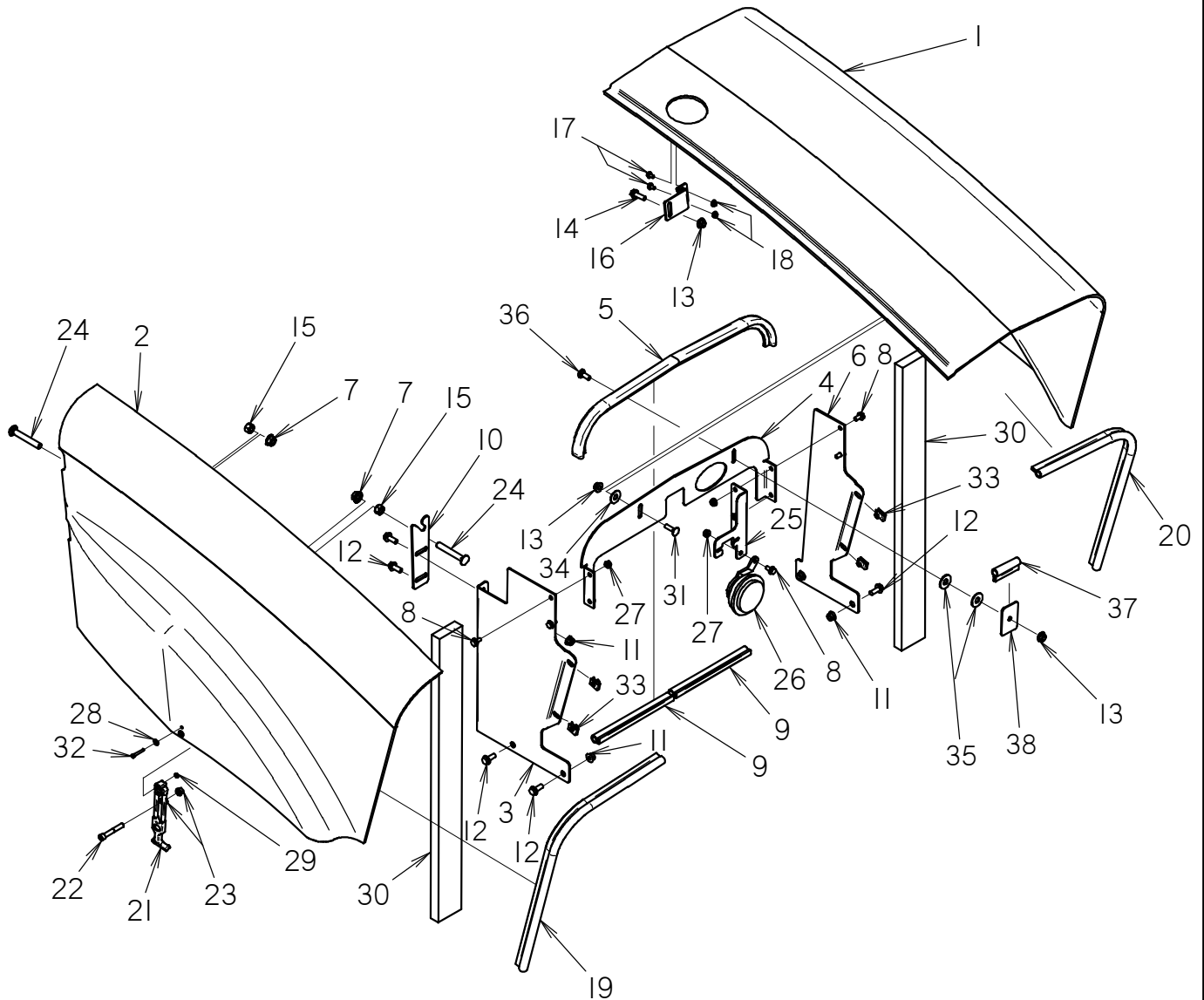
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	375-441	1	NOSE CASTING	
2	179-785	2	CLAMP BAR	
3	106-393	6	WASHER (M20)	
4	106-663	6	SCREW (M20-2.50 X 110MM, 10.9)	
5	106-665	6	LOCKNUT (M20-2.50, 10.9)	
6	322-778	1	RIGHT GRILLE	
7	115-704	AR	BULK EDGE (1/4", SOLD PER 1')	USE 2 @ 38"
8	105-798	8	FLG SCREW (M8-1.25 X 25MM, BX)	
9	324-386	2	GRILLE COVER	
10	106-385	4	FLG LOCKNUT (M6-1.00)	
11	106-712	4	FLG SCREW (M6-1.00 X 16MM)	
12	322-779	1	LEFT GRILLE	

NOT SHOWN:

FOOTNOTES:

NOTE:

HOOD AND PANELS



HOOD AND PANELS

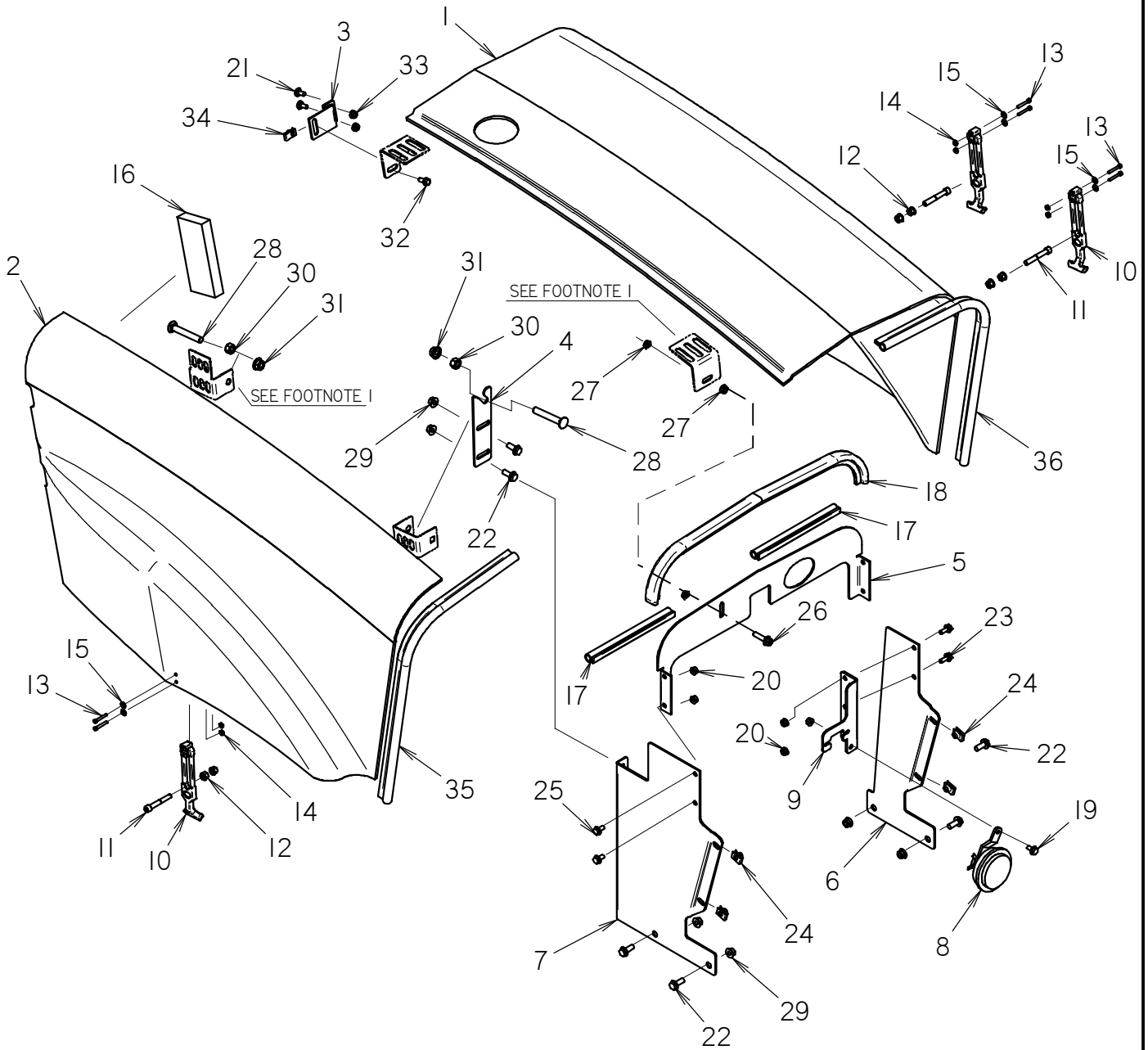
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-623	1	LEFT HOOD	
2	322-622	1	RIGHT HOOD	
3	322-765	1	RIGHT BRACKET	
4	322-766	1	FRONT HOOD MOUNT	
5	116-421	1	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 30"
6	322-764	1	LEFT BRACKET	
7	105-833	2	FLG LOCKNUT (1/2-NC)	
8	106-380	5	FLG LK SCREW (M8-1.25 X 16MM)	
9	116-489	AR	BULK EDGE (1/8",SOLD PER FT)	USE 2 @ 9.75" EA.
10	301-1130	1	HOOD MOUNT BRACKET	SEE FOOTNOTE 2
11	106-387	5	FLG LOCKNUT (M10-1.50)	
12	107-001	6	FLG LK SCREW (M10-1.50 X 25MM)	
13	105-814	3	FLG LOCKNUT (3/8-NC)	
14	105-827	1	FLG LK BOLT (3/8-NC X 1-1/4")	
15	105-065	2	LOCKNUT (1/2-NC)	
16	322-946	1	BRACKET	
17	106-378	2	FLG LK SCREW (M6-1.00 X 12MM)	
18	106-385	2	FLG LOCKNUT (M6-1.00)	
19	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	USE 1 @ 21"
20	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	USE 1 @ 38"
21	110-681	1	DRAW LATCH	
22	105-281	1	BOLT (3/8-NC X 2-1/2";SOC,GD8)	
23	105-845	2	FLG LOCKNUT (3/8-NC)	
24	105-256	2	CARRIAGE BOLT (1/2-NC X3-1/2")	
25	323-093	1	BRACKET	
26	306-609	1	HIGH FREQUENCY HORN	SEE FOOTNOTE 1
27	106-386	5	FLG LOCKNUT (M8-1.25)	
28	105-284	2	WASHER (3/16")	
29	106-048	1	LOCKNUT (#10-24)	
30	118-166	2	SOUND INSULATION	USE 2 @ 15" EA.
31	105-249	1	CARRIAGE BOLT(3/8-NC X 1-1/4")	
32	106-408	2	BOLT (#10-24 X 1-1/4";SOC,GD8)	
33	106-551	4	CLIP NUT (M8-1.25)	
34	105-059	1	WASHER (7/16")	
35	105-071	2	WASHER (1/2")	
36	105-600	1	CARRIAGE BOLT (3/8-NC X 1")	
37	116-421	1	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 3"
38	327-192	1	HOOD SUPPORT	

FOOTNOTES

1. 192-006 OBSOLETE'S HORN 306-609. IF NEW BRACKET IS REQUIRED ORDER 192-005.
2. IF REPLACING 322-948 WITH 301-1130, REPLACE BOTH BRACKETS.

NOTE:

HOOD AND PANELS RT55 TIER 4i



HOOD AND PANELS

RT55 TIER 4i

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-623	1	LEFT HOOD	SEE FOOTNOTE 1
2	322-622	1	RIGHT HOOD	SEE FOOTNOTE 1
3	322-946	1	BRACKET	
4	301-1130	1	HOOD MOUNT BRACKET	SEE FOOTNOTE 2
5	300-7100	1	FRONT HOOD MOUNT	
6	322-764	1	LEFT BRACKET	
7	322-765	1	RIGHT BRACKET	
8	192-006	1	HIGH FREQUENCY HORN	
9	323-093	1	BRACKET	
10	110-681	3	DRAW LATCH	
11	105-281	3	BOLT (3/8-NC X 2-1/2",SOC,GD8)	
12	105-845	6	FLG LOCKNUT (3/8-NC)	
13	106-408	6	BOLT (#10-24 X 1-1/4",SOC,GD8)	
14	106-048	6	LOCKNUT (#10-24)	
15	105-284	6	WASHER (3/16")	
16	118-347	1	SOUND INSULATION	
17	116-489	2	BULK EDGE (1/8",SOLD PER FT)	USE 2 @ 9.75"
18	116-421	1	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 30"
19	106-380	1	FLG LK SCREW (M8-1.25 X 16MM)	
20	106-386	5	FLG LOCKNUT (M8-1.25)	
21	106-195	2	CARRIAGE BOLT (5/16-NC X 3/4")	
22	107-001	6	FLG LK SCREW (M10-1.50 X 25MM)	
23	106-162	2	FLG SCREW (M8-1.25 X 20MM, GD8)	
24	106-551	4	CLIP NUT (M8-1.25)	
25	107-095	2	FLG SCREW (M8-1.25 X 16MM)	
26	105-874	1	FLG LK BOLT(3/8-NCX1-1/2") LO	
27	105-834	3	FLG LOCKNUT (3/8-NC)	
28	105-256	2	CARRIAGE BOLT (1/2-NC X3-1/2")	
29	106-387	6	FLG LOCKNUT (M10-1.50)	
30	105-065	2	LOCKNUT (1/2-NC)	
31	105-833	2	FLG LOCKNUT (1/2-NC)	
32	105-823	1	FLG LK BOLT (5/16-NC X 3/4")	
33	105-003	2	FLG LOCKNUT (5/16-NC)	
34	105-841	1	CLIP NUT (5/16-NC)	
35	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	USE 1 @ 21"
36	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	USE 1 @ 38"

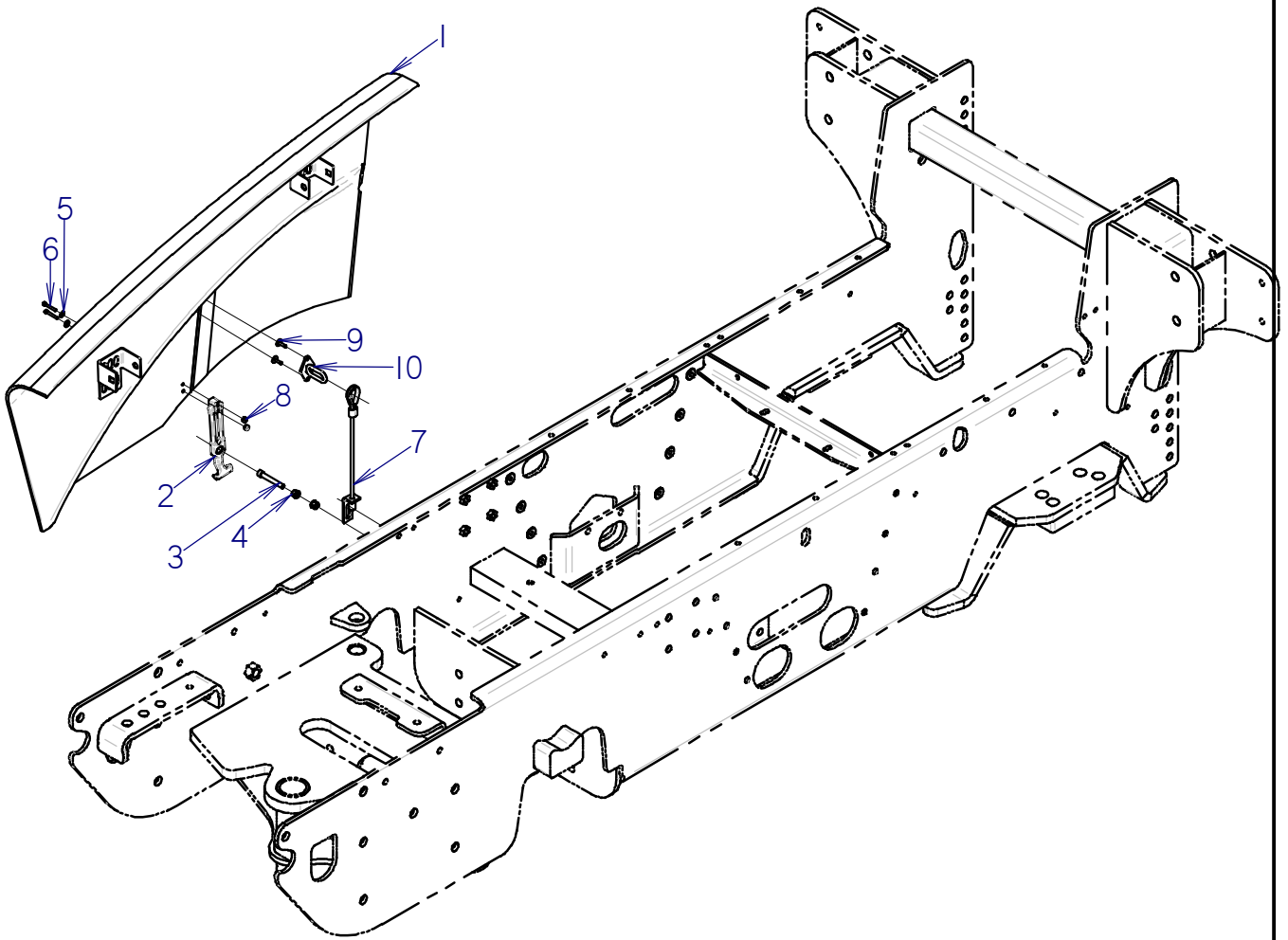
NOT SHOWN:

FOOTNOTES:

1. SHADOWED PARTS ARE PART OF HOOD ASSEMBLIES. SHOWN AWAY FROM HOOD TO SHOW HARDWARE DETAIL.
2. IF REPLACING 322-948 WITH 301-1130, REPLACE BOTH BRACKETS.

NOTE:

SIDE PANEL LOCK KIT



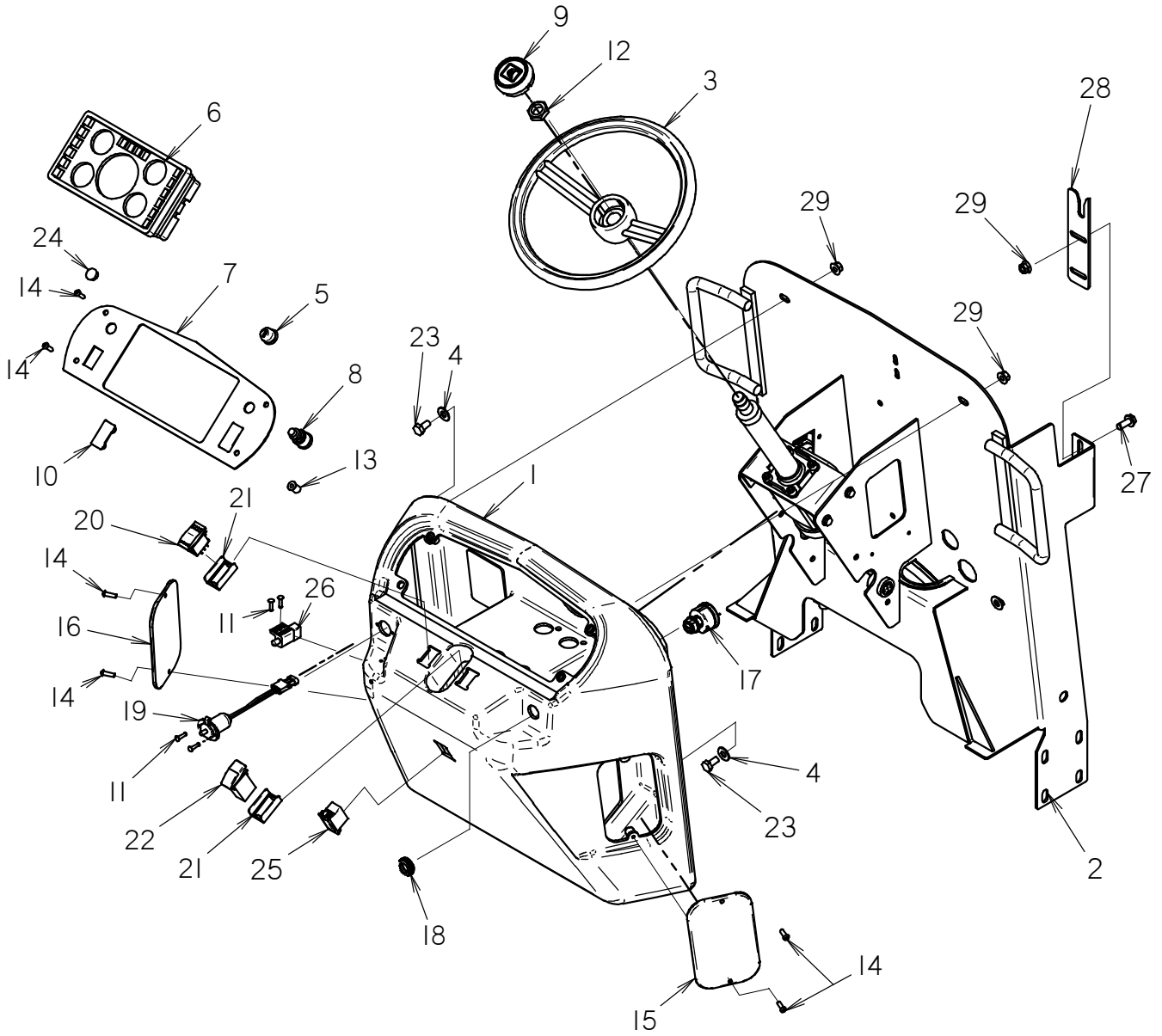
SIDE PANEL LOCK KIT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-227	-	SIDE PANEL LOCK KIT	INCLUDES 7,9, AND 10
1	322-622	1	RIGHT HOOD	
2	110-681	1	DRAW LATCH	
3	105-281	1	BOLT (3/8-NC X 2-1/2",SOC,GD8)	
4	105-845	2	FLG LOCKNUT (3/8-NC)	
5	105-284	2	WASHER (3/16")	
6	106-408	2	BOLT (#10-24 X 1-1/4",SOC,GD8)	
7	194-345	1	LOCK CABLE	
8	106-048	2	LOCKNUT (#10-24)	
9	110-348	2	POP RIVET (3/16" X .664")	
10	318-523	1	LOCK BRACKET	

FOOTNOTES

NOTE:

CONSOLE RT55



CONSOLE

RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-613	1	CONSOLE	
2	322-880	1	FIREWALL	
3	160-428	1	STEERING WHEEL	
4	105-118	4	WASHER (3/8")	
5	306-608	1	BUTTON COVER	
6	211-301	1	GAUGE CLUSTER	
7	322-638	1	GAUGE MOUNT PANEL	
8	306-607	1	HORN BUTTON	
9	110-730	1	STEERING WHEEL CAP	
10	362-823	2	COVER	
11	110-449	4	POP RIVET (3/16" X .690")	
12	105-361	1	JAM NUT (13/16-NF)	
13	107-871	4	WELLNUT (M6-1.00 X 20.35MM LG)	
14	106-640	8	SCREW (M6-1.00 X 20MM,BUT SOC)	
15	320-963	1	ACCESS PANEL	
16	320-956	1	ACCESS PANEL	
17	214-852	1	IGNITION SWITCH	
18	214-962	1	SWITCH MOUNTING NUT	
19	214-301	1	ACCESSORY SOCKET	
20	217-817	1	ROCKER SWITCH (SEALED)	
21	110-854	2	SWITCH ACTUATOR GUARD	
22	217-072	1	ROCKER SWITCH	
23	105-274	4	SCREW (M10-1.50 X 20MM, 10.9)	
24	211-067	1	DOME PLUG (687)	
25	110-962	1	FILLER PLUG	
26	217-704	1	PLUNGER SWITCH	
27	107-001	1	FLG LK SCREW (M10-1.50 X 25MM)	
28	322-948	1	MOUNT BRACKET	SEE FOOTNOTE 1
29	106-387	6	FLG LOCKNUT (M10-1.50)	

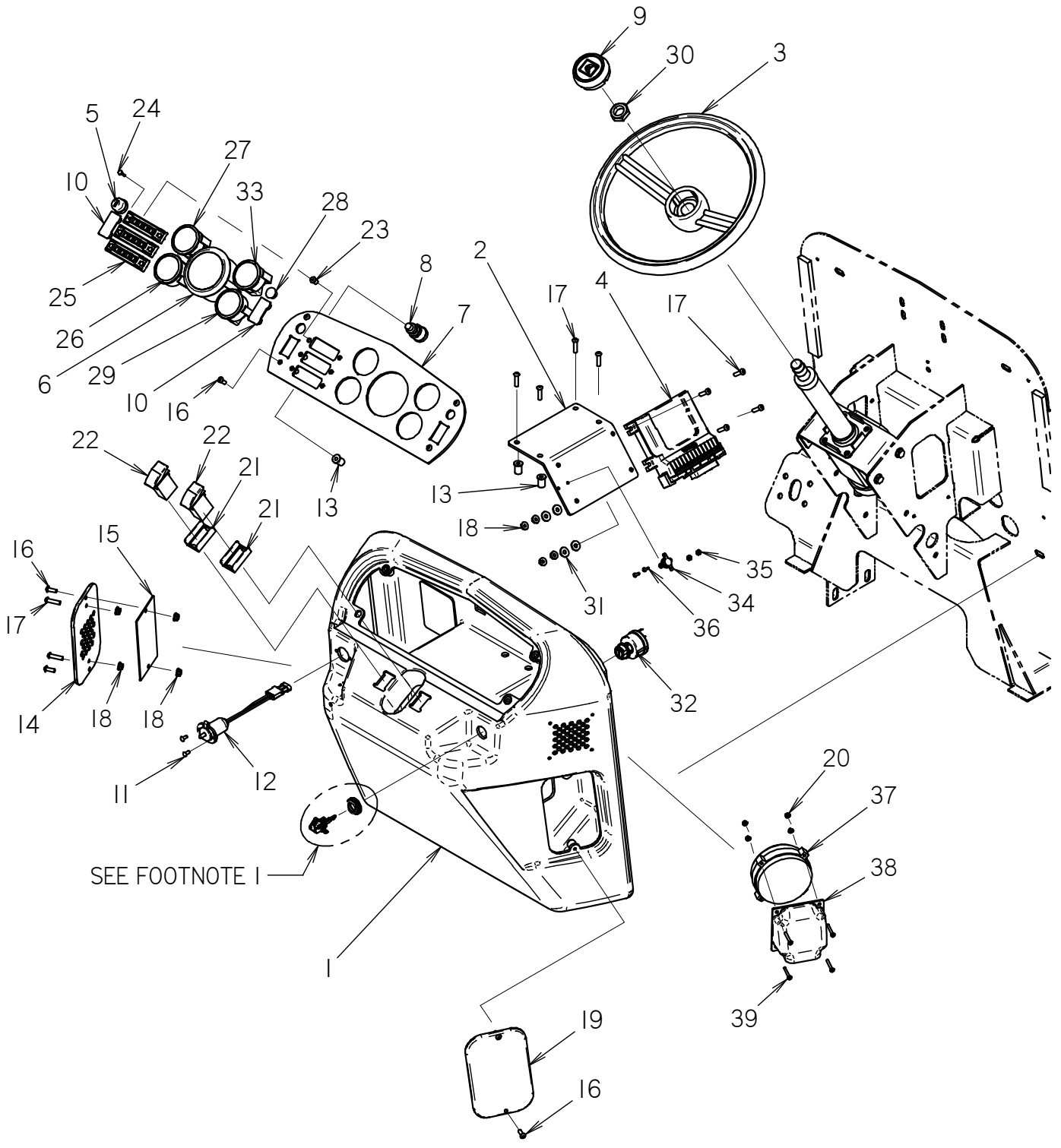
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FOOTNOTES:

- BRACKET 301-1130 SUPERSEDES 322-948. IF REPLACING 322-948 WITH 301-1130, REPLACE BOTH BRACKETS.

NOTE:

CONSOLE RT55 TIER 4i



CONSOLE

RT55 TIER 4i

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1439	1	CONSOLE	
2	362-1509	1	MOUNT PLATE	
3	160-428	1	STEERING WHEEL	
4	220-1241	1	30-PIN CONTROLLER V3	BEGINS WITH S/N CMWRT55HJA0000539
5	306-608	1	BUTTON COVER	
6	215-1373	1	ANALOG TACH	
7	362-1508	1	GAUGE PANEL	
8	306-607	1	HORN BUTTON	
9	110-730	1	STEERING WHEEL CAP	
10	362-823	2	COVER	
11	110-560	2	POP RIVET (3/16" X 1/2", ALUM)	
12	214-301	1	ACCESSORY SOCKET	
13	107-871	8	WELLNUT (M6-1.00 X 20.35MM LG)	
14	362-1440	1	ACCESS PANEL	
15	300-9428	1	BAFFLE	
16	107-193	8	SCREW (M6-1.00 X 16MM,BUT SOC)	
17	107-312	8	SCREW (M6-1.00 X 25MM, BUT SOC)	
18	106-385	8	FLG LOCKNUT (M6-1.00)	
19	320-963	1	ACCESS PANEL	
20	105-680	4	NUT (M4, W/LK WSHR)	
21	110-854	2	SWITCH ACTUATOR GUARD	
22	217-072	2	ROCKER SWITCH	
23	107-358	6	WELLNUT (M4-0.7 X 12.67MM LG)	
24	107-393	6	SCREW (M4-0.70 X 16MM, BX)	
25	220-664	3	INDICATOR ASSEMBLY	
26	211-329	1	2.06" FUEL GAUGE	
27	211-328	1	2.06" VOLTMETER GAUGE	
28	211-067	1	DOME PLUG (687)	
29	215-1376	1	ANALOG OIL PRESSURE GAUGE	
30	105-361	1	JAM NUT (13/16-NF)	
31	107-801	4	WASHER (M6)	
32	214-852	1	IGNITION SWITCH	SEE FOOTNOTE 1
33	215-1375	1	ANALOG WATER TEMP GAUGE	
34	215-1550	1	TEMPERATURE SWITCH	
35	107-859	2	NUT, LOCK, #6-32, NYLON INSERT	
36	106-367	2	SCREW (#6-32 X 1/2" PLPS SS)	
37	125-1039	1	AXIAL MOTOR FAN	
38	362-1438	1	SHROUD	
39	107-414	4	SCREW (M4-0.70 X 30MM,BUT SOC)	

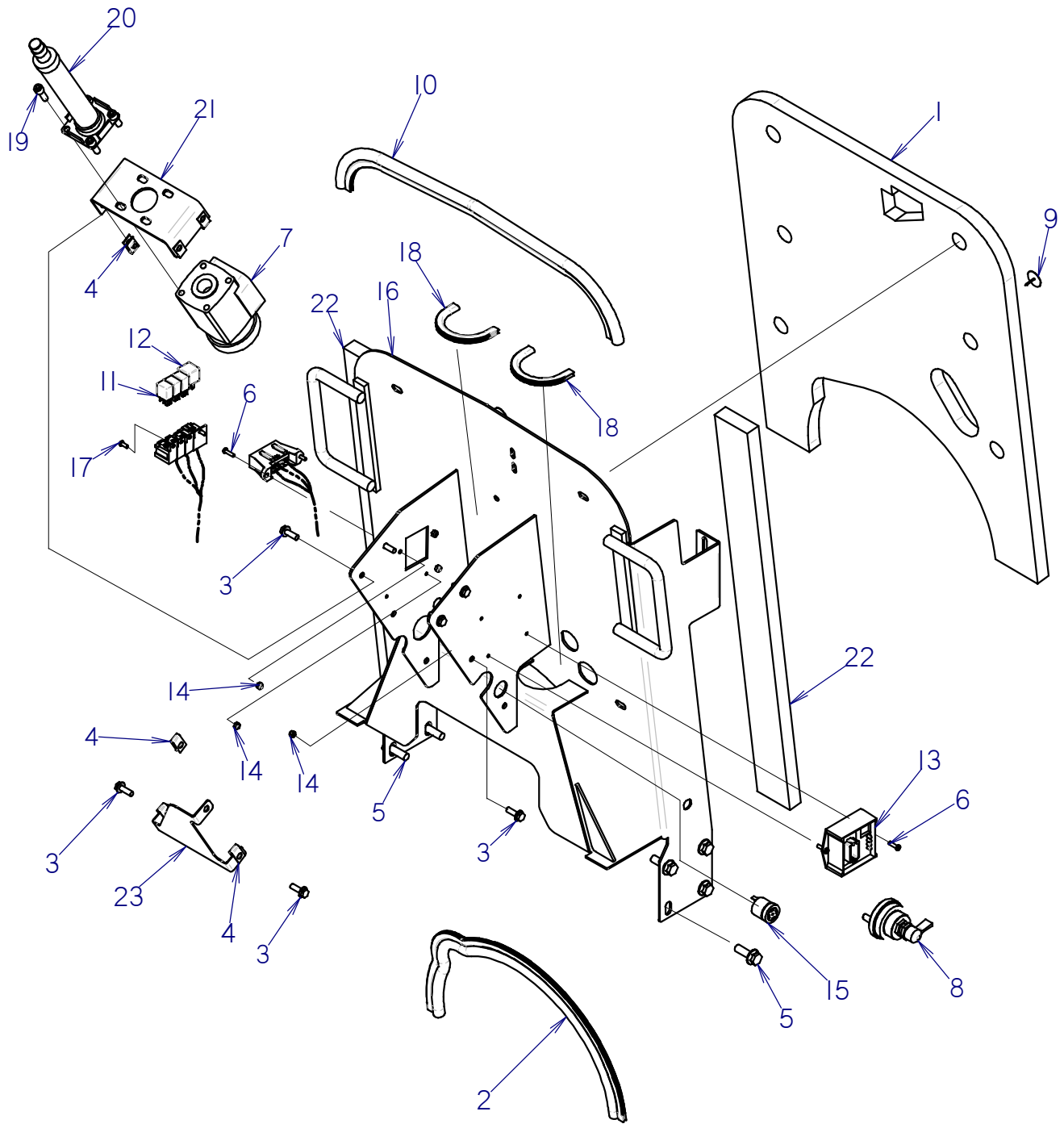
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FOOTNOTES:

1. MOUNTING NUT, 214-962 & KEYS (PAIR) 214-961, ARE INCLUDED WITH IGNITION SWITCH 214-852, BUT IS AVAILABLE AS A SERVICE PART.

NOTE:

FIREWALL



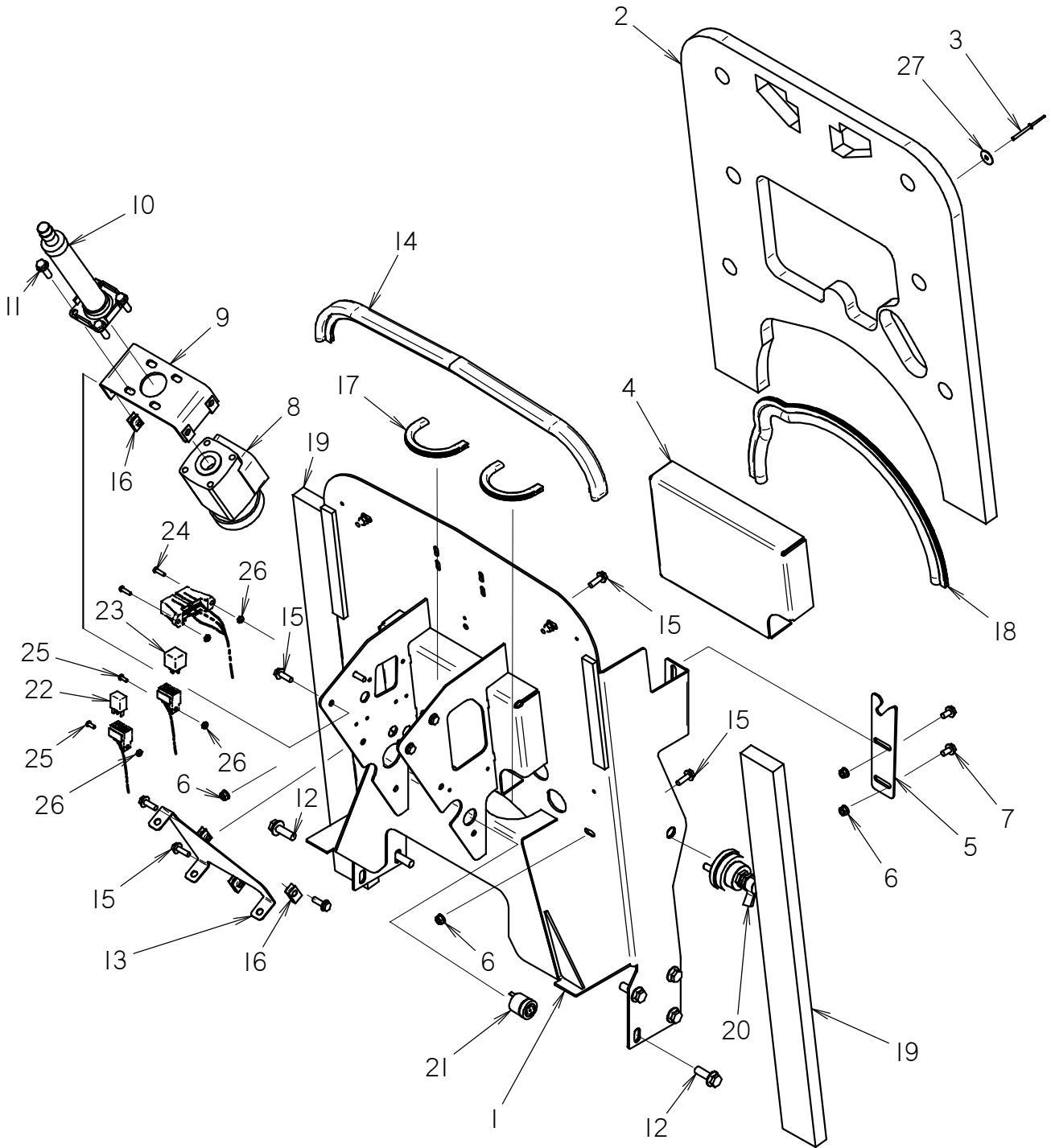
FIREWALL

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	118-117	1	INSULATION (FIREWALL)	
2	116-421	AR	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 28.5"
3	106-381	7	FLG LK SCREW (M8-1.25 X 25MM)	
4	107-135	7	CLIP NUT (M8-1.25)	
5	107-003	8	FLG LK SCREW (M12-1.75 X 35MM)	
6	106-049	4	BOLT (#10-24 X 3/4", PLPS)	
7	157-974	1	POWER STEERING VALVE	
8	217-819	1	BATTERY DISCONNECT SWITCH	EC KIT OPTION
9	111-043	7	INSULATION STUD	
10	116-421	AR	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 29"
11	217-710	6	MICRO RELAY (SPDT)	
12	217-826	1	MINI RELAY (SPDT)	
13	220-627	1	RT55 CRUISE MODULE	CRUISE CONTROL OPTION
14	106-048	6	LOCKNUT (#10-24)	
15	306-603	1	AUDIO ALARM	
16	322-880	1	FIREWALL	
17	105-185	2	BOLT (#10-24 X 1/2", RD SLT)	
18	115-686	AR	BULK EDGE (5/32",SOLD PER 1')	USE 2 @ 6.5" EA.
19	107-864	4	BOLT (3/8-NC X 1.00", BUT SOC)	
20	158-902	1	STEERING COLUMN	
21	322-452	1	STEERING VALVE BRACKET	
22	118-166	AR	SOUND INSULATION	USE 2 @ 16"
23	325-587	1	BRACKET	

FOOTNOTES

NOTE:

FIREWALL RT55 TIER 4i



FIREWALL

RT55 TIER 4i

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-6795	1	FIREWALL	
2	362-1349	1	INSULATION (FIREWALL)	
3	105-1542	8	POP RIVET (3/16" X 1.608", ALUM)	
4	362-1340	1	INSULATION (HEAT SHIELD)	
5	301-1130	1	HOOD MOUNT BRACKET	SEE FOOTNOTE 1
6	106-386	6	FLG LOCKNUT (M8-1.25)	
7	107-095	2	FLG SCREW (M8-1.25 X 16MM)	
8	157-974	1	POWER STEERING VALVE	
9	322-452	1	STEERING VALVE BRACKET	
10	158-902	1	STEERING COLUMN	
11	105-827	4	FLG LK BOLT (3/8-NC X 1-1/4")	
12	107-003	8	FLG LK SCREW (M12-1.75 X 35MM)	
13	325-587	1	BRACKET	
14	116-421	1	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 29"
15	106-381	11	FLG LK SCREW (M8-1.25 X 25MM)	
16	107-135	7	CLIP NUT (M8-1.25)	
17	115-686	AR	BULK EDGE (5/32",SOLD PER 1")	USE 2 @ 6.5"
18	116-421	29	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 29"
19	118-166	2	SOUND INSULATION	
20	217-819	1	BATTERY DISCONNECT SWITCH	EC KIT OPTION
21	306-603	1	AUDIO ALARM	
22	217-710	1	MICRO RELAY (SPDT)	
23	217-826	1	MINI RELAY (SPDT)	
24	106-049	2	BOLT (#10-24 X 3/4", PLPS)	
25	105-185	2	BOLT (#10-24 X 1/2", RD SLT)	
26	106-048	4	LOCKNUT (#10-24)	
27	107-936	8	WASHER (1/4"ID X 1"OD)	

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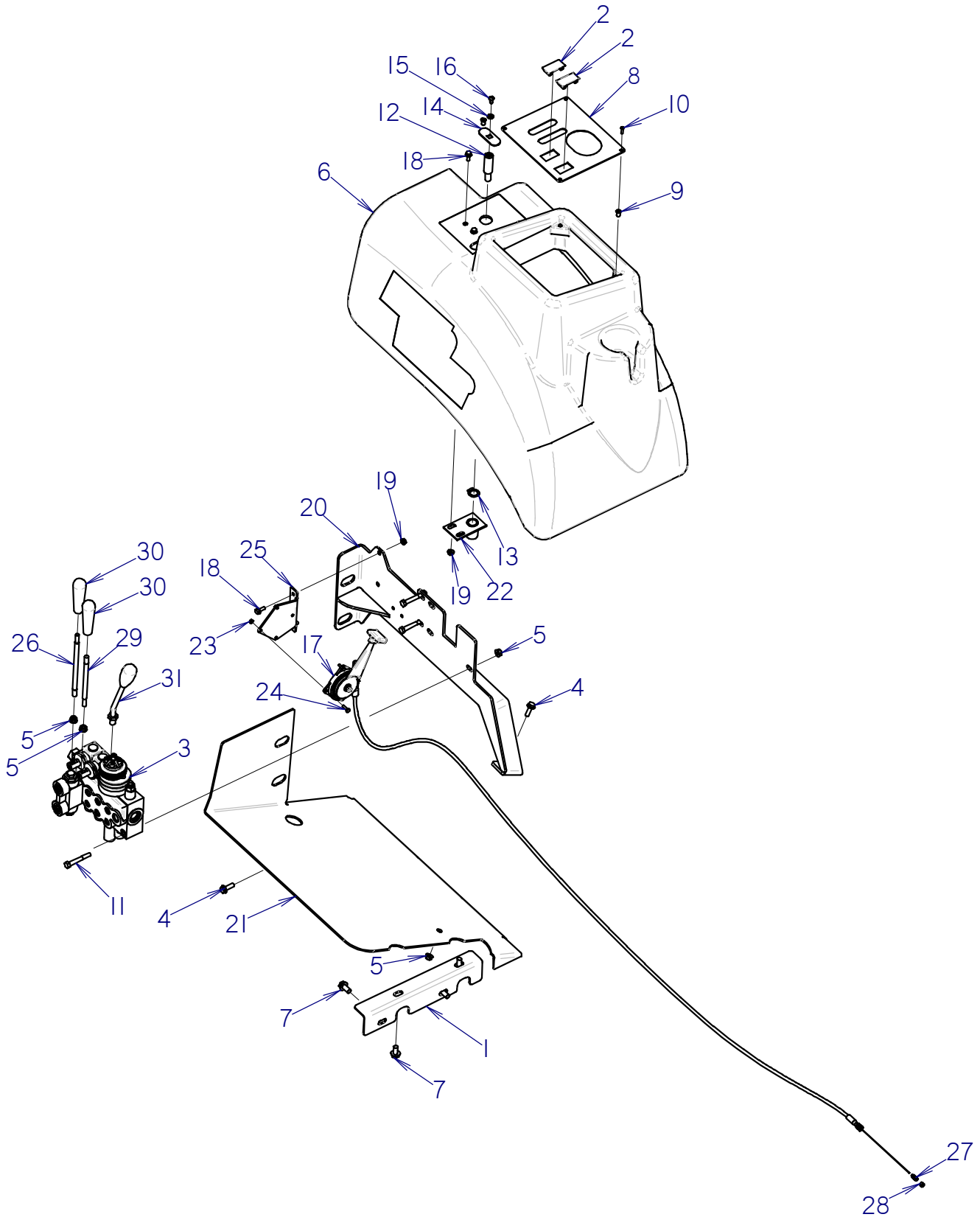
FOOTNOTES:

- I. IF REPLACING 322-948 WITH 301-1130, REPLACE BOTH BRACKETS.

NOTE:

- I. REFER TO "CONSOLE" ID0216543 FOR MORE INFO.

RIGHT FENDER ENDS WITH SERIAL NO. 5Z0300



RIGHT FENDER ENDS WITH SERIAL NO. 5Z0300

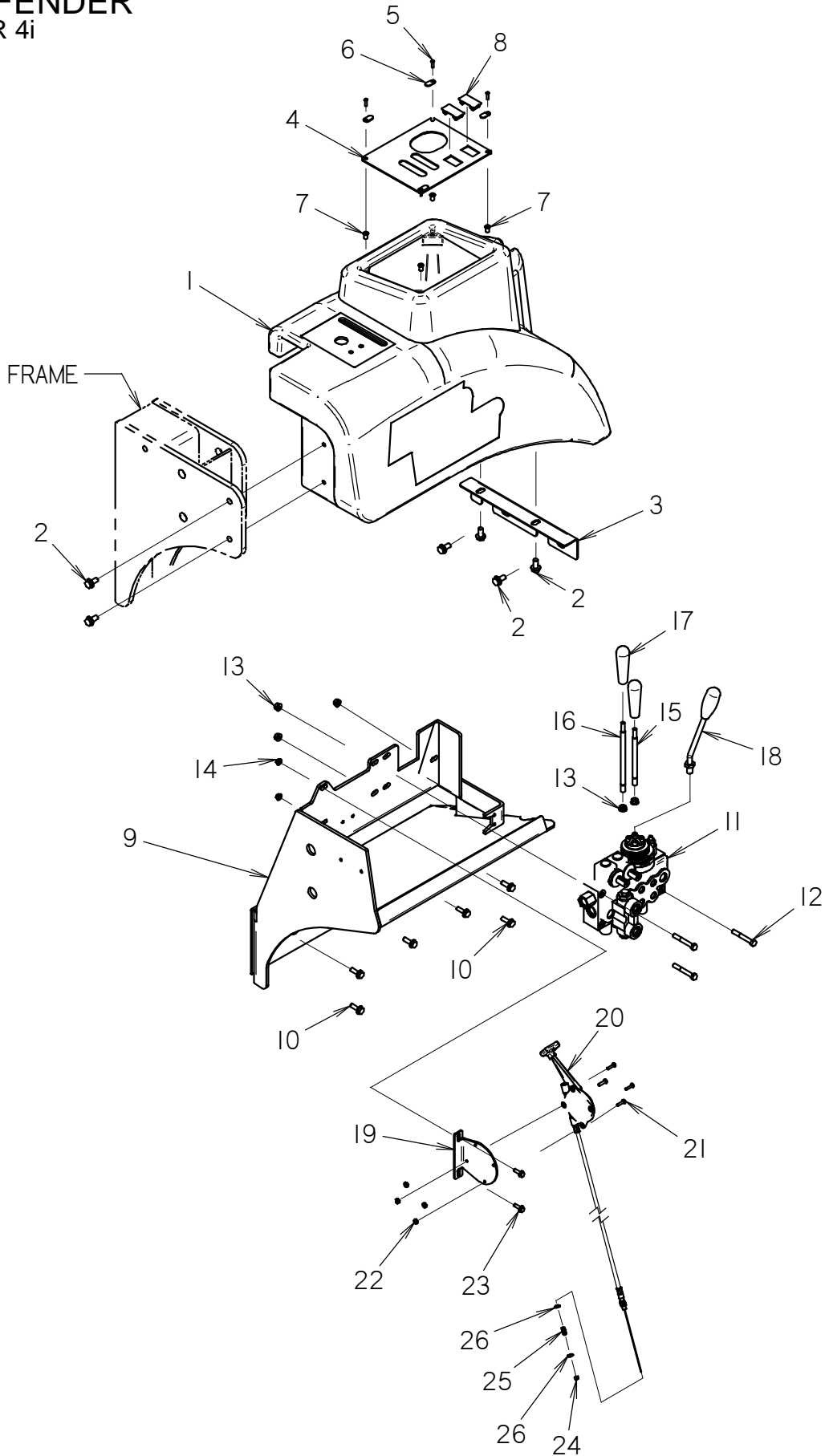
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-646	1	FRONT BRACKET	
2	362-823	2	COVER	
3	159-961	1	HYD CONTROL VALVE (4-SPOOL)	SEE FOOTNOTE 1
4	106-992	5	FLG LK SCREW (M8-1.25 X 25MM)	
5	106-386	6	FLG LOCKNUT (M8-1.25)	
6	322-737	1	RIGHT FENDER	
7	106-382	4	FLG LK SCREW (M10-1.50 X 20MM)	
8	322-858	1	CONTROL VALVE COVER	
9	107-358	4	WELLNUT (M4-0.7 X 12.67MM LG)	
10	107-580	4	SCREW (M4-0.70 X 16MM,BUT SOC)	
11	106-570	3	SCREW (M8-1.25 X 60MM)	
12	179-201	1	INDICATOR PIVOT STUB	REAR STEER OPTION
13	115-480	1	GRIP RING (.750")	REAR STEER OPTION
14	313-554	1	INDICATOR PLATE	REAR STEER OPTION
15	105-284	1	WASHER (3/16")	REAR STEER OPTION
16	106-103	1	BOLT (1/4-NC X 1/2", BUT SOC)	REAR STEER OPTION
17	194-567	1	THROTTLE CABLE	
18	106-987	4	FLG LK SCREW (M6-1.00 X 16MM)	
19	106-353	4	FLG NUT (M6-1.00)	
20	322-979	1	VALVE MOUNT	PARTS ONLY
21	322-877	1	FLOOR PLATE	PARTS ONLY
22	328-112	1	INDICATOR MOUNT	REAR STEER OPTION
23	105-186	4	NUT (#10-24)	
24	107-781	4	HEX SCREW (#10-24 X 5/8")	
25	323-614	1	THROTTLE BRACKET	
26	365-477	1	LEVER (.725")	
27	115-618	1	COMPRESSION SPRING (.625")	
28	107-912	1	CABLE STOP	
29	365-478	1	LEVER (.588")	
30	110-439	2	HANDLE (3/8-NC, BLACK)	
31	499-022	1	LEVER (M12-1.75 X 200MM)	

FOOTNOTES

1. 159-961 VALVE IS USED WITH THE REAR STEER OPTION.
159-960 VALVE IS USED WITH THE RIGID AXLE OPTION.

NOTE:

RIGHT FENDER RT55 TIER 4i



RIGHT FENDER

RT55 TIER 4i

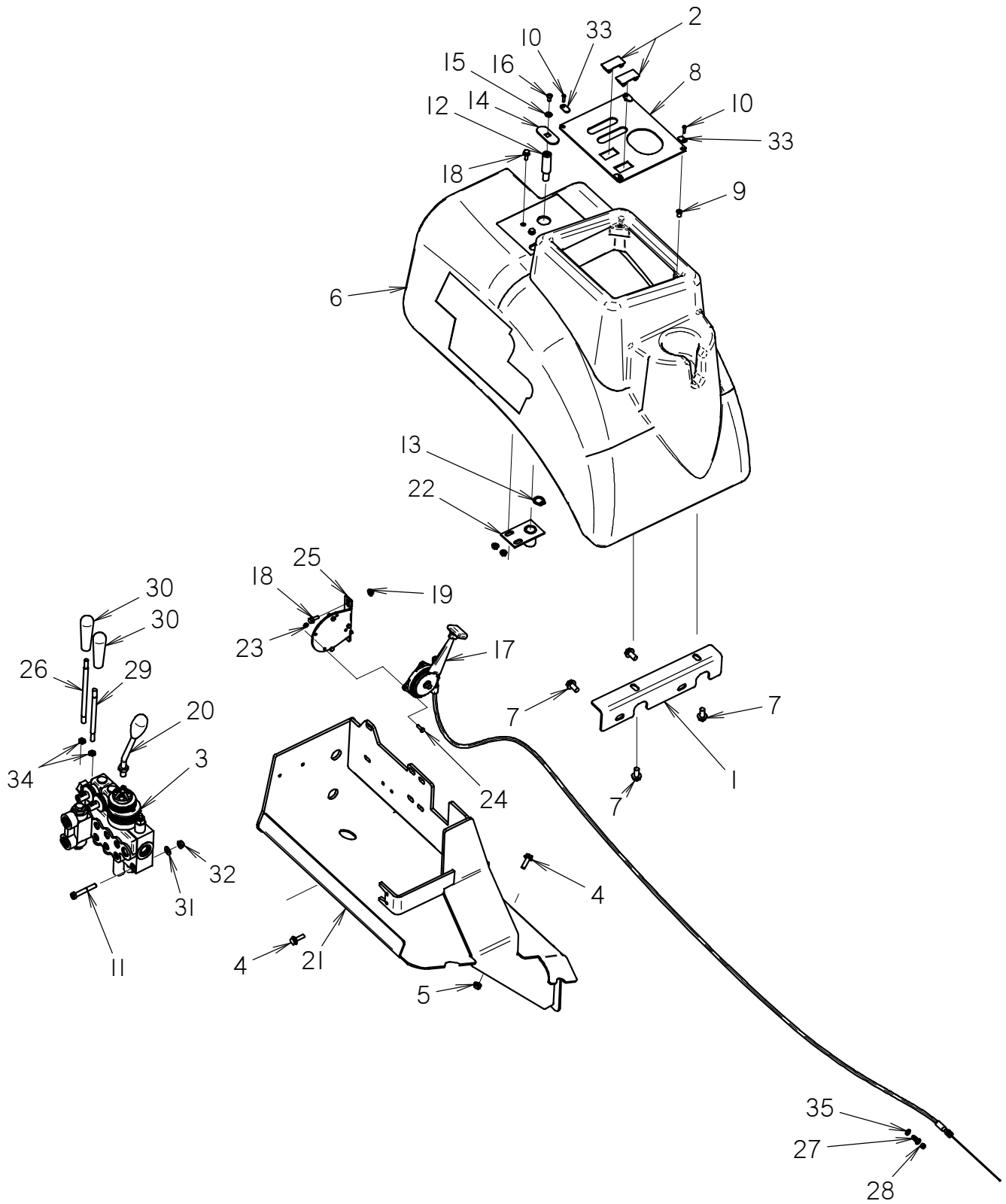
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-737	1	RIGHT FENDER	
2	106-382	6	FLG LK SCREW (M10-1.50 X 20MM)	
3	322-646	1	FRONT BRACKET	
4	322-858	1	CONTROL VALVE COVER	
5	107-580	4	SCREW (M4-0.70 X 16MM,BUT SOC)	
6	105-1019	4	SLOT WASHER	
7	107-358	4	WELLNUT (M4-0.7 X 12.67MM LG)	
8	362-823	2	COVER	
9	325-602	1	VAVLE MOUNT	
10	106-992	6	FLG LK SCREW (M8-1.25 X 25MM)	
11	159-961	1	HYD CONTROL VALVE (4-SPOOL)	
12	106-570	3	SCREW (M8-1.25 X 60MM)	
13	106-386	5	FLG LOCKNUT (M8-1.25)	
14	106-385	2	FLG LOCKNUT (M6-1.00)	
15	365-478	1	LEVER (5.88")	
16	365-477	1	LEVER (7.25)	
17	110-439	2	HANDLE (3/8-NC, BLACK)	
18	499-022	1	LEVER (M12-1.75 X 200MM)	
19	323-614	1	THROTTLE BRACKET	
20	195-1443	1	THROTTLE CABLE (165-514-013)	
21	106-049	4	BOLT (#10-24 X 3/4", PLPS)	
22	106-048	4	LOCKNUT (#10-24)	
23	106-379	2	FLG LK SCREW (M6-1.00 X 20MM)	
24	107-912	1	CABLE STOP	
25	115-618	1	COMPRESSION SPRING (.625")	
26	107-310	2	WASHER (#10)	

NOT SHOWN:

FOOTNOTES:

NOTE:

RIGHT FENDER BEGINS WITH SERIAL NO. 5Z0301



RIGHT FENDER BEGINS WITH SERIAL NO. 5Z0301

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-646	1	FRONT BRACKET	
2	362-823	2	COVER	
3	159-961	1	HYD CONTROL VALVE (4-SPOOL)	SEE FOOTNOTE 1
4	106-992	3	FLG LK SCREW (M8-1.25 X 25MM)	
5	106-386	1	FLG LOCKNUT (M8-1.25)	
6	322-737	1	RIGHT FENDER	
7	106-382	4	FLG LK SCREW (M10-1.50 X 20MM)	
8	322-858	1	CONTROL VALVE COVER	
9	107-358	1	WELLNUT (M4-0.7 X 12.67MM LG)	
10	107-580	4	SCREW (M4-0.70 X 16MM,BUT SOC)	
11	105-190	1	BOLT (5/16-NC X 2-1/4")	
12	179-201	1	INDICATOR PIVOT STUB	REAR STEER OPTION
13	115-480	1	GRIP RING (750")	REAR STEER OPTION
14	313-554	1	INDICATOR PLATE	REAR STEER OPTION
15	105-284	1	WASHER (3/16")	REAR STEER OPTION
16	106-103	1	BOLT (1/4-NC X 1/2", BUT SOC)	REAR STEER OPTION
17	194-567	1	THROTTLE CABLE	
18	106-987	4	FLG LK SCREW (M6-1.00 X 16MM)	
19	106-353	3	FLG NUT (M6-1.00)	
20	499-022	1	LEVER (M12-1.75 X 200MM)	
21	325-602	1	VALVE MOUNT	
22	328-112	1	INDICATOR MOUNT	REAR STEER OPTION
23	105-186	2	NUT (#10-24)	
24	107-781	4	HEX SCREW (#10-24 X 5/8")	
25	323-614	1	THROTTLE BRACKET	
26	365-477	1	LEVER (7.25)	
27	115-618	1	COMPRESSION SPRING (.625")	
28	107-912	1	CABLE STOP	
29	365-478	1	LEVER (5.88")	
30	110-439	2	HANDLE (3/8-NC, BLACK)	
31	105-095	1	WASHER (1/4")	
32	105-003	1	FLG LOCKNUT (5/16-NC)	
33	105-1019	4	SLOT WASHER	
34	106-539	2	JAM NUT (M8-1.25)	
35	107-310	2	WASHER (#10)	

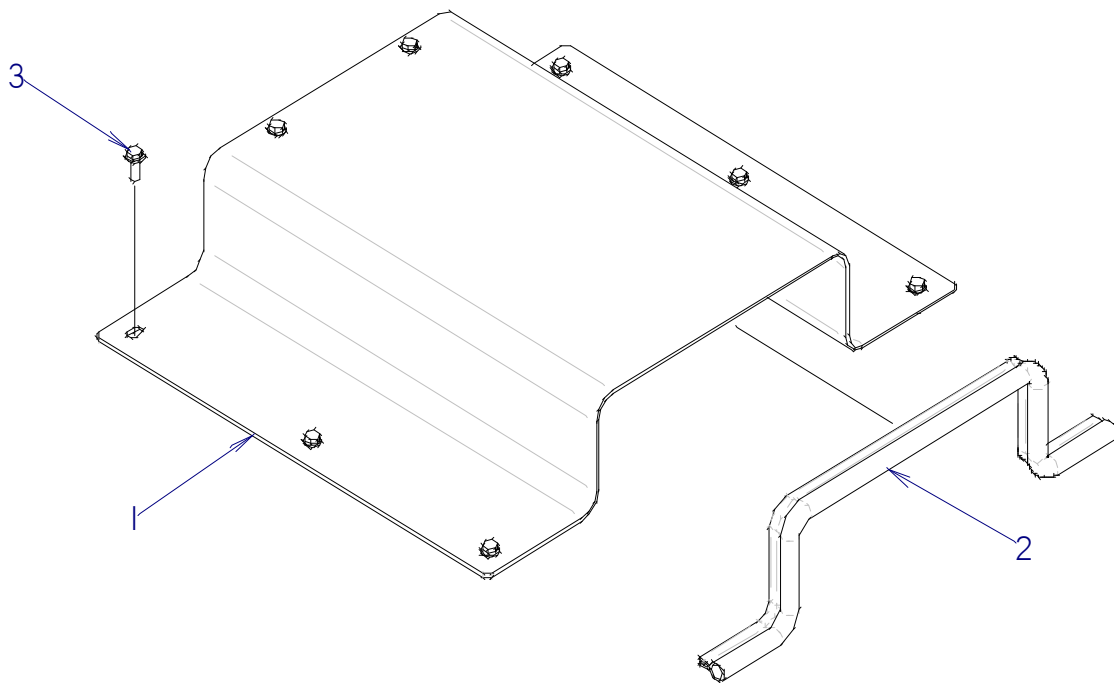
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FOOTNOTES:

1. 159-961 VALVE IS USED WITH THE REAR STEER OPTION.
159-960 VALVE IS USED WITH THE RIGID AXLE OPTION.

NOTE:

FRONT TUNNEL



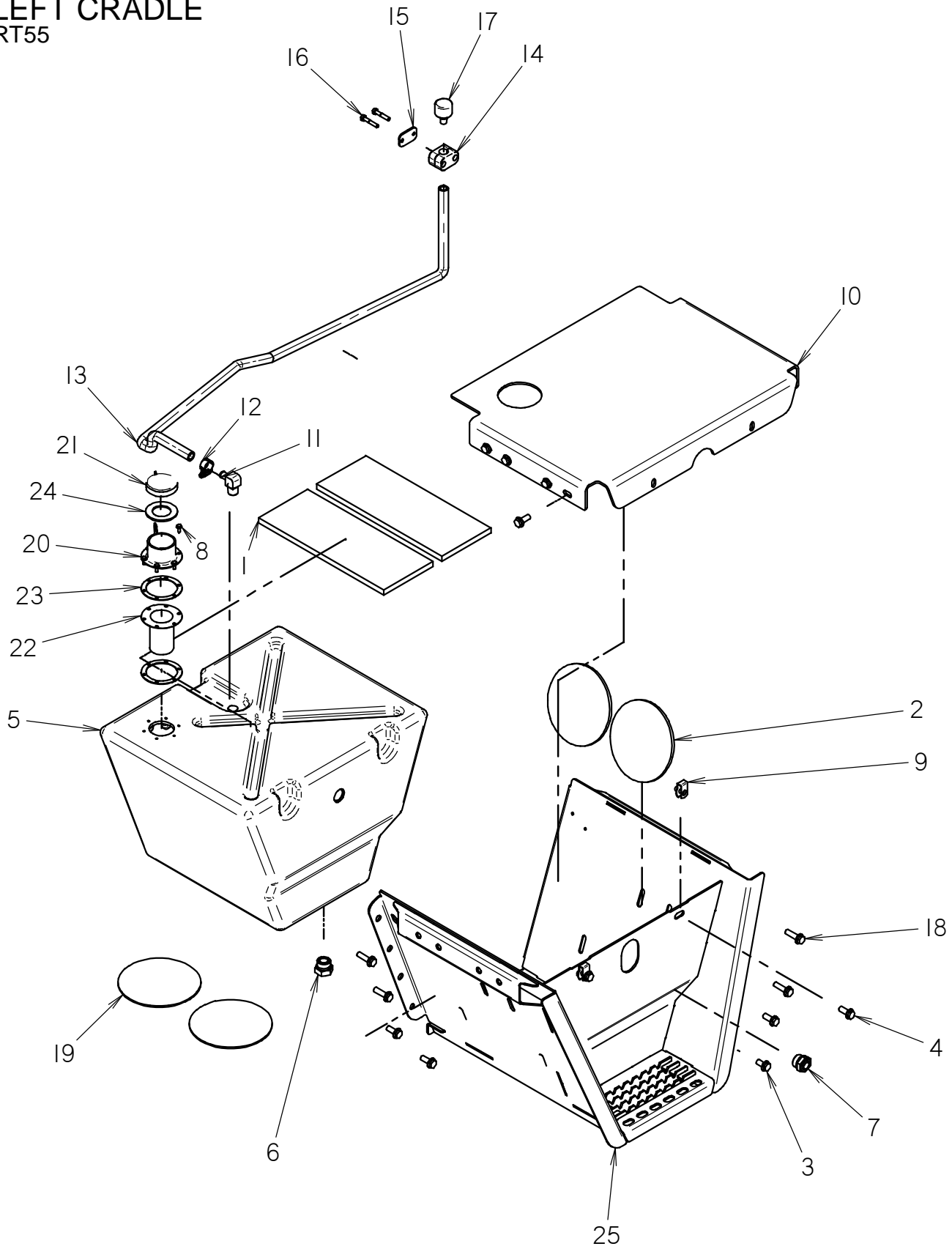
FRONT TUNNEL

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-616	1	FLOOR PLATE (FRONT)	
2	116-421	AR	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 28.5"
3	106-381	8	FLG LK SCREW (M8-1.25 X 25MM)	

FOOTNOTES

NOTE:

LEFT CRADLE RT55



LEFT CRADLE RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	117-442	2	SUPPORT MAT	
2	117-463	AR	LINER PAD (.25" THK)	SEE FOOTNOTE 1
3	106-382	1	FLG LK SCREW (M10-1.50 X 20MM)	
4	106-724	9	FLG SCREW (M10-1.50 X 25MM)	
5	150-1386	1	HYDRAULIC RESERVOIR (RT55)	
6	500-302	1	PLUG (-12 S)	
7	121-040	0	SIGHT GLASS	INCLUDED WITH HYD. RESERVOIR REF. #1
8	105-214	5	FLG SCREW (#10-24 X .5")	
9	106-558	2	CLIP NUT (M10-1.50)	
10	320-989	1	STEP	
11	156-108	1	S/O COUPLER (08N-08H90)	
12	110-217	1	WORM CLAMP (7/16" TO 1")	
13	116-322	AR	BULK HOSE (1/2",SOLD PER 1')	USE 1 @ 48.5"
14	110-411	1	BOLT-ON CLAMP (3/4", SET)	
15	322-289	1	BACKUP (BOLT-ON)	
16	105-818	2	BOLT (1/4-NC X 1-1/2")	
17	111-021	1	BREATHER CAP (TANK)	
18	106-497	4	FLG SCREW (M10-1.50 X 35MM)	
19	117-425	AR	LINER PAD (.12" THK)	SEE FOOTNOTE 1
20	153-761	1	FLANGE	
21	153-760	1	CAP, NON VENTED, LOCKING	SEE FOOTNOTE 2
22	153-606	1	STRAINER BASKET	SEE FOOTNOTE 2
23	153-607	2	FLANGE GASKET	SEE FOOTNOTE 2
24	153-594	1	GASKET, FILL NECK CAP	SEE FOOTNOTE 2
25	300-9500	1	CRADLE WELDMENT	

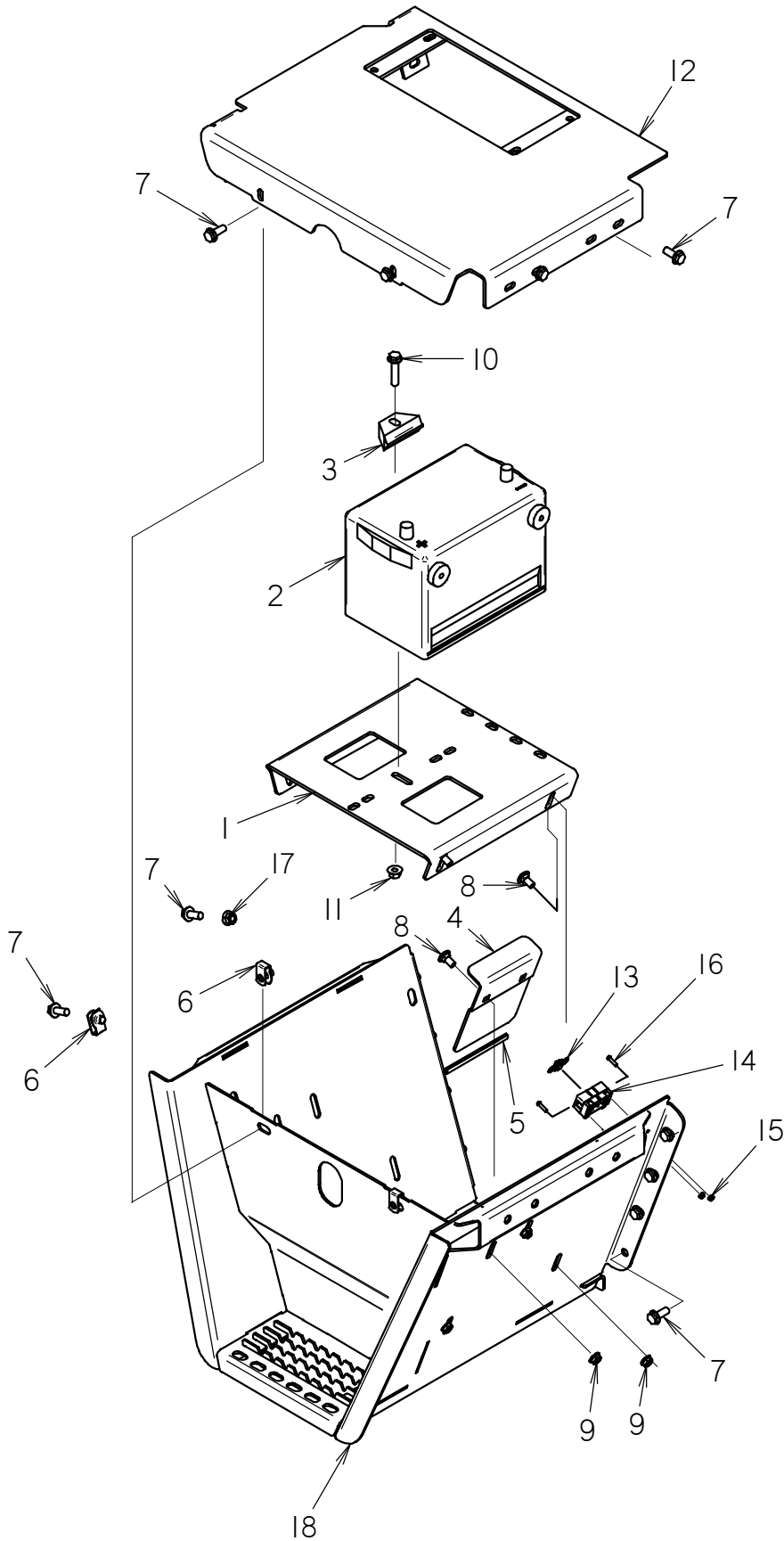
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FOOTNOTES:

1. USE 117-425 LINER PAD (.12" THK) AS NEEDED.
2. THESE PARTS ARE SERVICE PARTS FOR PART # 364-567.

NOTE:

RIGHT CRADLE



RIGHT CRADLE

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8573	1	BATTERY PLATE	
2	215-244	1	BATTERY	
3	107-554	1	BATTERY HOLD DOWN	
4	334-090	1	BATTERY HOLD DOWN	
5	116-789	AR	RUBBER EDGE TRIM 1/8" (FT)	USE 1 @ 5"
6	106-558	3	CLIP NUT (M10-1.50)	
7	106-724	14	FLG SCREW (M10-1.50 X 25MM)	
8	105-835	4	CARRIAGE BOLT (3/8-NC X 3/4")	
9	105-834	5	FLG LOCKNUT (3/8-NC)	
10	106-995	1	FLG LK SCREW (M10-1.50 X 45MM)	
11	106-266	1	FLG NUT (M10-1.50)	
12	325-848	1	STEP	BEGINS WITH S/N 5Z0301, & SEE FOOTNOTE 1
13	211-305	1	BK/AMI 125 AMP FUSE	
14	363-714	1	MODIFIED FUSE PANNEL ASSEMBLY	
15	105-680	2	NUT (M4, W/LK WSHR)	
16	107-580	2	SCREW (M4-0.70 X 16MM,BUT SOC)	
17	106-387	1	FLG LOCKNUT (M10-1.50)	
18	300-9500	1	CRADLE WELDMENT	

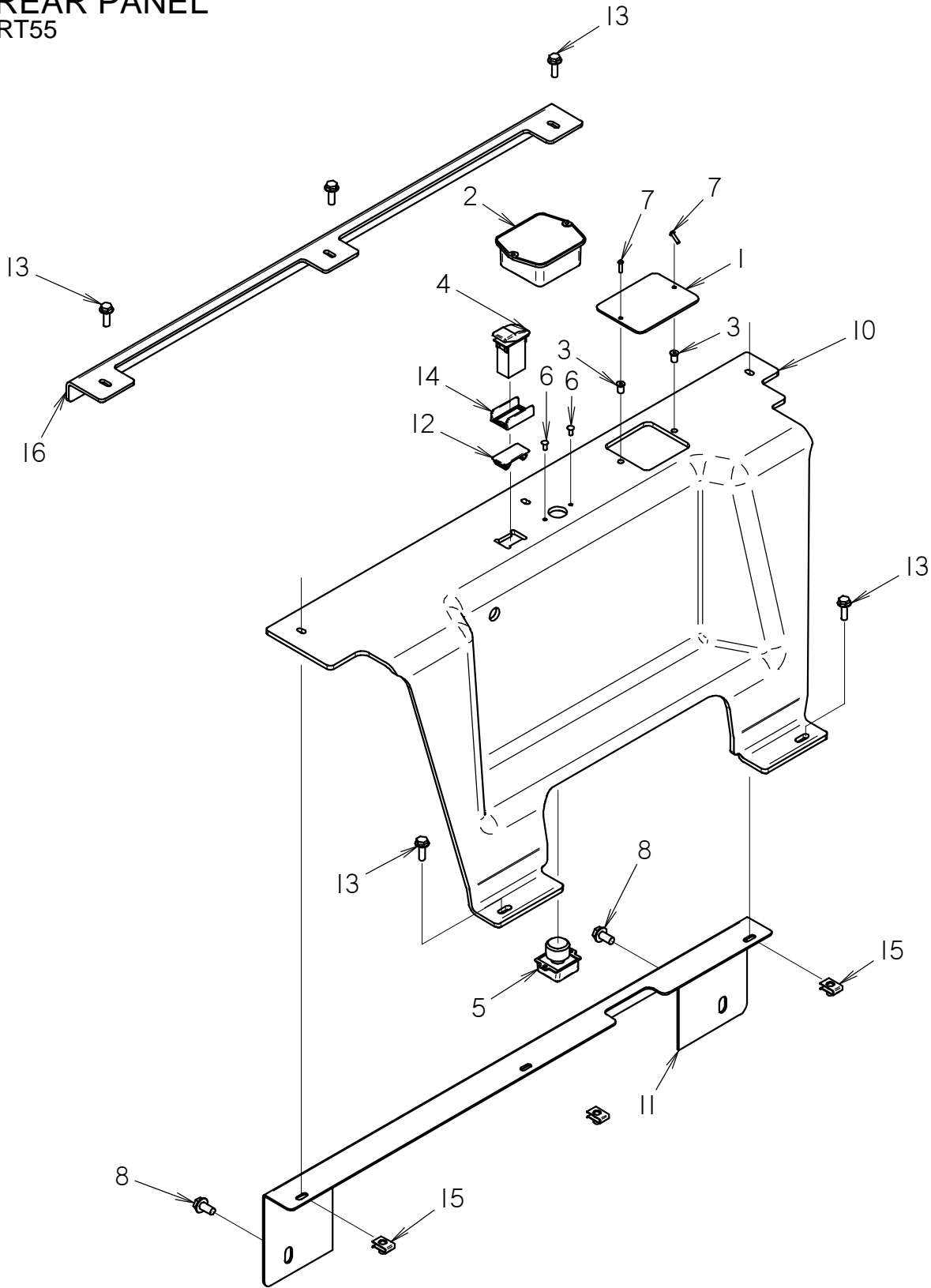
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FOOTNOTES:

1. OLD STEP (320-988) ENDS WITH S/N 5Z0300

NOTE:

REAR PANEL RT55



REAR PANEL

RT55

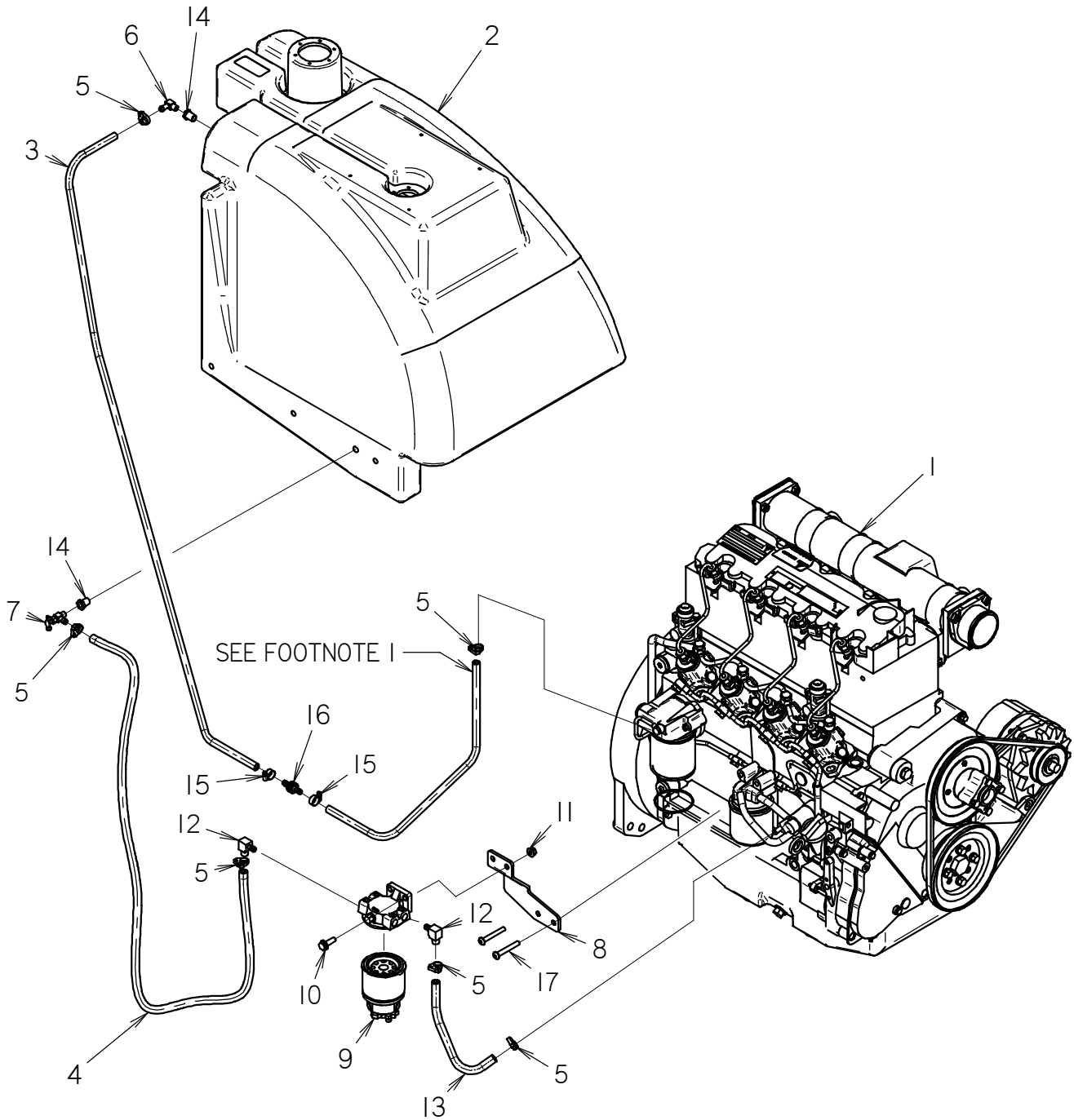
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-871	1	TDM COVER	
2	220-086	1	TRENCH DEPTH METER	TRENCH DEPTH METER OPTION
3	107-358	2	WELLNUT (M4-0.7 X 12.67MM LG)	
4	217-762	1	ROCKER SWITCH (SPDT)	CRUISE CONTROL KIT OPTION
5	217-892	1	POTENTIOMETER - AUTOCROWD	CRUISE CONTROL KIT OPTION
6	110-560	2	POP RIVET (3/16" X 1/2", ALUM)	CRUISE CONTROL KIT OPTION
7	107-580	2	SCREW (M4-0.70 X 16MM,BUT SOC)	
8	106-382	2	FLG LK SCREW (M10-1.50 X 20MM)	
10	362-991	1	REAR PANEL	
11	323-408	1	LEFT PANEL MOUNT	
12	362-823	1	COVER	
13	106-381	5	FLG LK SCREW (M8-1.25 X 25MM)	
14	110-854	1	SWITCH ACTUATOR GUARD	
15	106-551	3	CLIP NUT (M8-1.25)	CRUISE CONTROL KIT OPTION
16	301-1803	1	REAR PANEL STIFFENER	

NOT SHOWN:

FOOTNOTES:

NOTE:

FUEL SYSTEM



FUEL SYSTEM

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-502	1	DIESEL ENGINE (DEUTZ 2011)	OBSOLETE
2	364-662	1	FUEL TANK	
3	116-108	AR	BULK HOSE (5/16", SOLD PER 1')	USE 1 @ 72"
4	116-108	AR	BULK HOSE (5/16", SOLD PER 1')	USE 1 @ 64"
5	110-528	6	SNAP-ON CLAMP (.531" TO .593')	
6	155-241	1	S/O COUPLER (02N-05H90)	
7	156-239	1	S/O SHUT-OFF (02N-05H90)	
8	323-218	1	FILTER MOUNT	
9	194-488	1	FUEL FILTER/WATER SEPERATOR WO	USE FILTER REPLACEMENT 194-491
10	106-992	2	FLG LK SCREW (M8-1.25 X 25MM)	
11	106-386	2	FLG LOCKNUT (M8-1.25)	
12	155-164	2	S/O COUPLER (04N-05H90)	
13	116-108	AR	BULK HOSE (5/16", SOLD PER 1')	USE 1 @ 8"
14	115-181	2	REDUCER (04N-02NF)	
15	110-249	2	WORM CLAMP (1/4" TO 5/8")	
16	159-983	1	S/O COUPLER (05H)	
17	107-763	2	SCREW (M8-1.25 X 55MM)	

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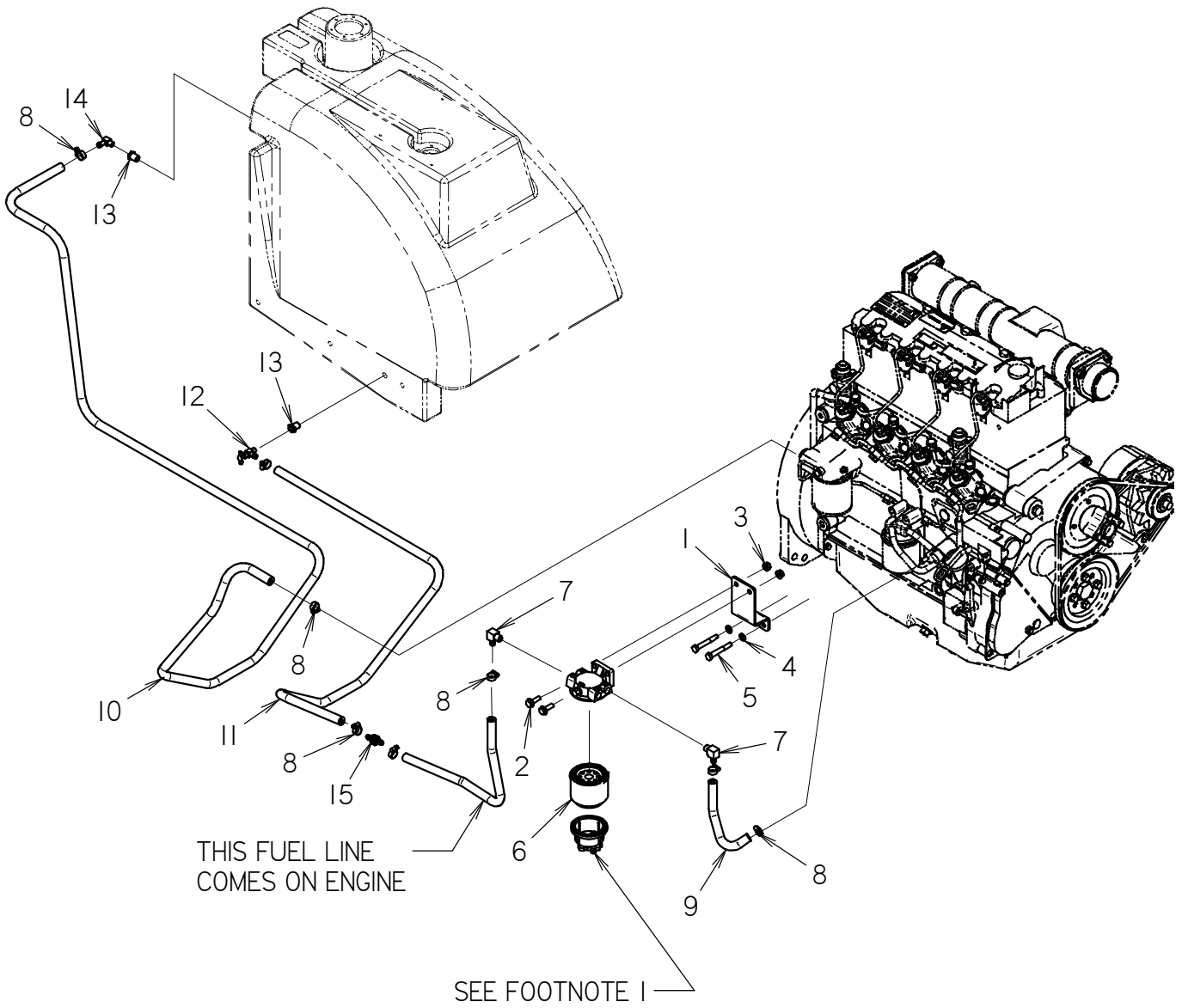
FOOTNOTES:

1. THIS HOSE IS FURNISHED WITH ENGINE, A CMW CLAMP (110-528) IS USED TO SECURE IT TO OUTLET, HOSE, REF #3, COUPLER REF #16 AND AND CLAMPS 2X REF #15, ARE USED TO ATTACH IT TO FUEL TANK.

NOTE:

FUEL SYSTEM

RT55 TIER 4i



FUEL SYSTEM

RT55 TIER 4i

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-6909	1	FILTER BRACKET	
2	106-992	2	FLG LK SCREW (M8-1.25 X 25MM)	
3	106-386	2	FLG LOCKNUT (M8-1.25)	
4	106-389	2	WASHER (M8)	
5	106-570	2	SCREW (M8-1.25 X 60MM)	
6	194-491	1	REPLACEMENT ELEMENT	REFER TO FOOTNOTE 1
7	155-164	2	S/O COUPLER (04N-05H90)	
8	110-249	8	WORM CLAMP (1/4" TO 5/8")	
9	116-108	9	BULK HOSE (5/16", SOLD PER 1")	
10	116-108	72	BULK HOSE (5/16", SOLD PER 1")	
11	116-108	64	BULK HOSE (5/16", SOLD PER 1")	
12	156-239	1	S/O SHUT-OFF (02N-05H90)	
13	115-181	2	REDUCER (04N-02NF)	
14	155-241	1	S/O COUPLER (02N-05H90)	
15	159-983	1	S/O COUPLER (05HI)	

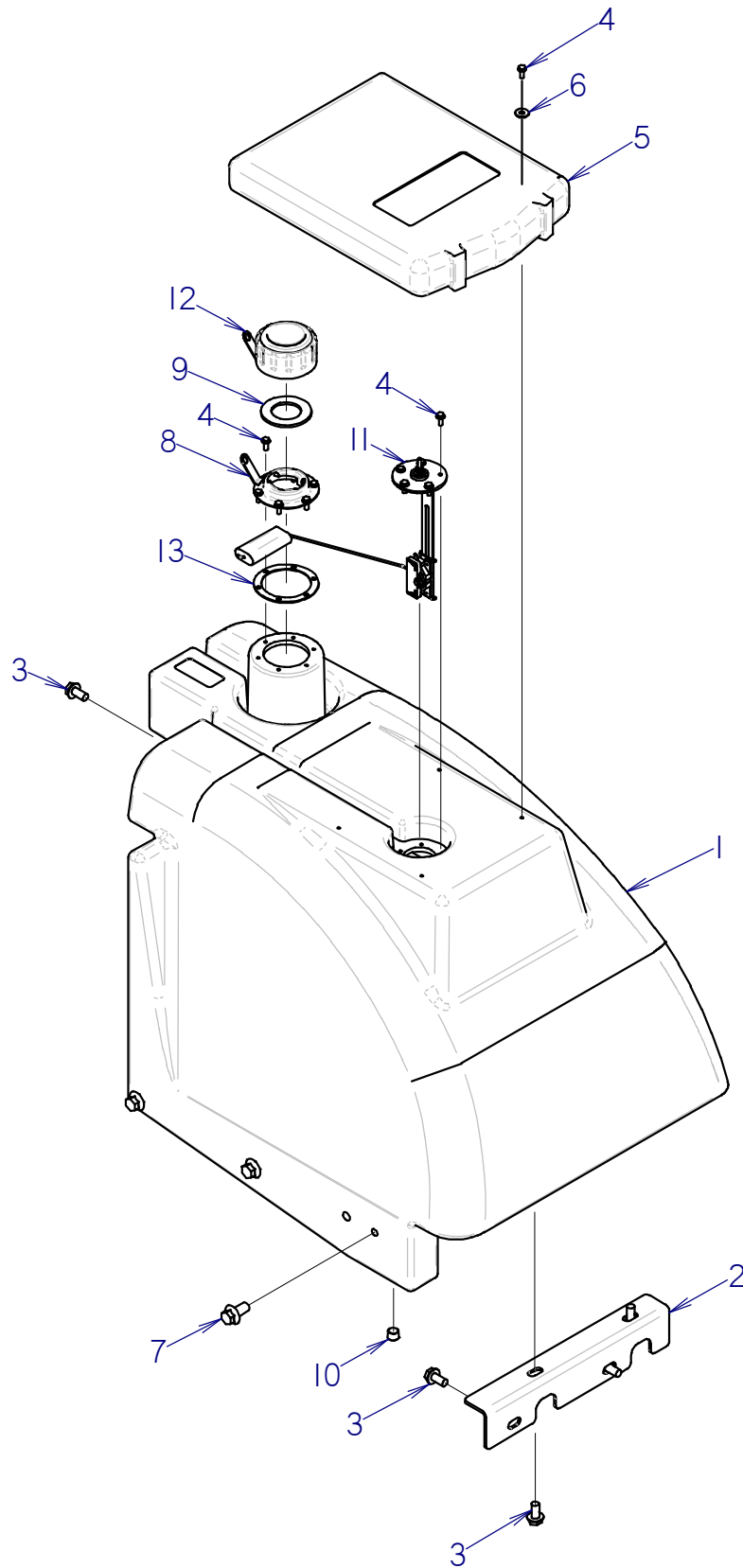
NOT SHOWN:

FOOTNOTES:

1. FILTER HEAD (194-488) AND BOWL & O-RING COME ON ENGINE AND NEED TO BE ORDER AS ONE UNIT.

NOTE:

FUEL TANK



FUEL TANK

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	364-662	1	FUEL TANK	
2	322-646	1	FRONT BRACKET	
3	106-382	6	FLG LK SCREW (M10-1.50 X 20MM)	
4	105-214	15	FLG SCREW (#10-24 X .5")	
5	318-588	1	MANUAL COMPARTMENT	
6	107-801	4	WASHER (M6)	
7	107-009	3	FLG LK SCREW (M12-1.75 X 25MM)	
8	125-498	1	FLANGE	SEE FOOTNOTE 1
9	153-594	1	GASKET, FILL NECK CAP	SEE FOOTNOTE 1
10	115-444	1	PLUG (O4N, SOC, SS)	
11	213-188	1	FUEL SENDER	
12	111-120	1	CAP	SEE FOOTNOTE 1
13	153-607	1	FLANGE GASKET	SEE FOOTNOTE 1

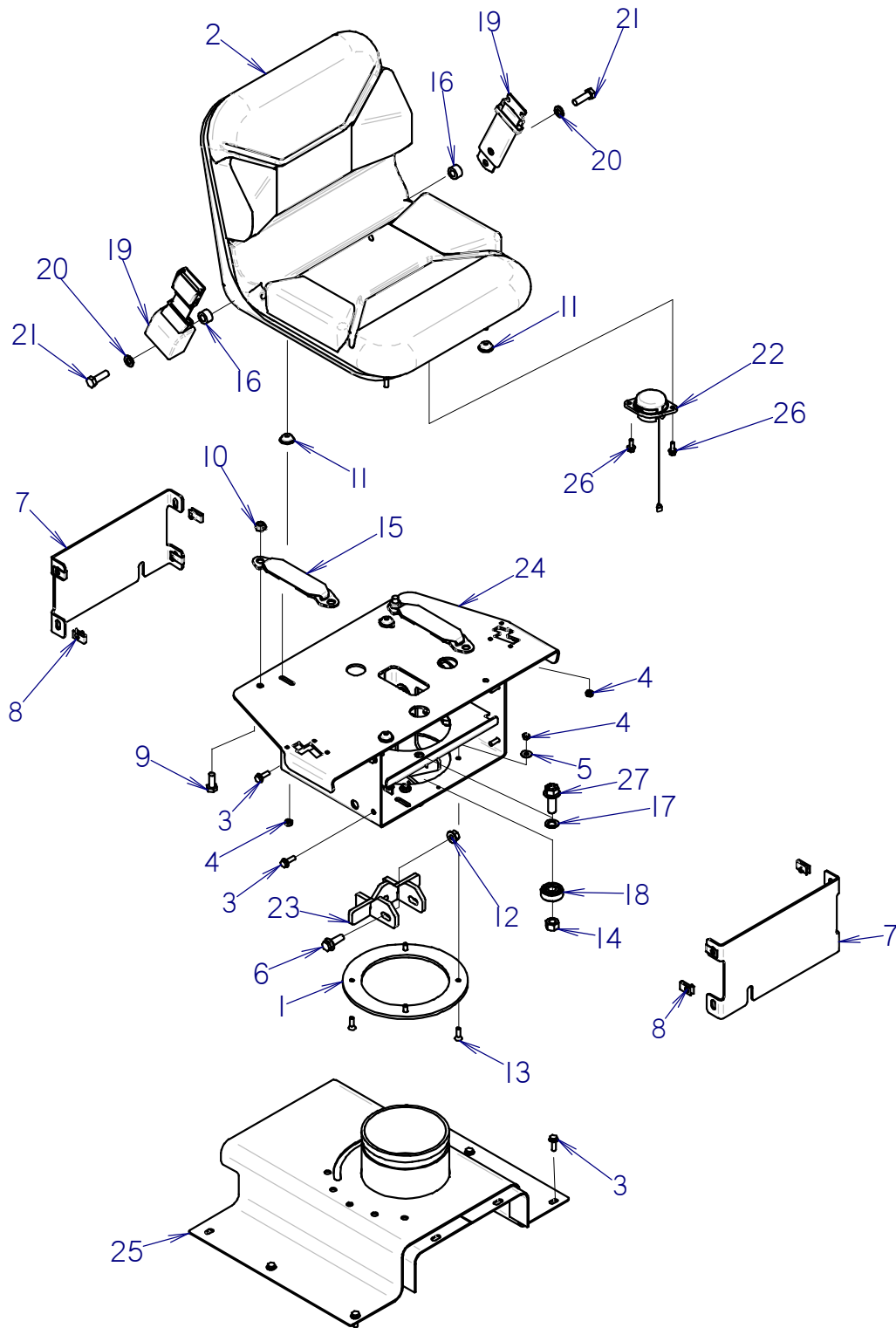
FOOTNOTES

1. THESE PARTS ARE SERVICE PARTS FOR PART NUMBER 364-559

NOTE:

STANDARD SEAT MOUNT

ENDS WITH S/N 5Y1230



STANDARD SEAT MOUNT ENDS WITH S/N 5Y1230

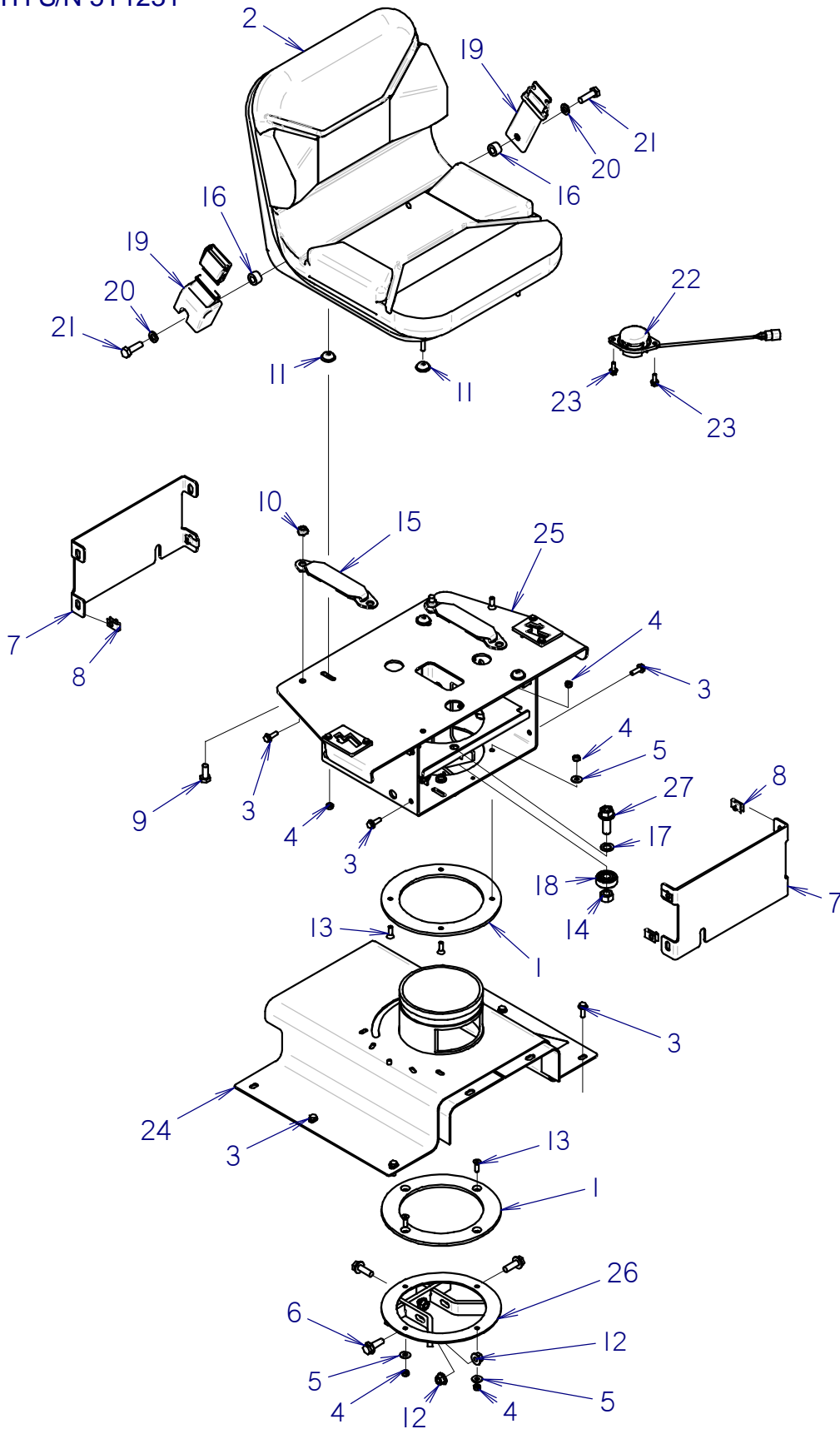
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-414	1	SWIVEL DISC	
2	117-429	1	SEAT	
3	106-381	12	FLG LK SCREW (M8-1.25 X 25MM)	
4	105-089	8	LOCKNUT (5/16-NC)	
5	105-117	4	WASHER (5/16")	
6	106-632	3	FLG LK SCR (M12-1.75X35MM,SER)	
7	322-411	2	COVER	
8	107-135	8	CLIP NUT (M8-1.25)	
9	105-273	2	SCREW (M12-1.75 X 30MM)	
10	106-031	2	LOCKNUT (M12-1.75, NLK)	
11	105-267	4	CUP WASHER (5/16")	
12	106-709	3	FLG LK NUT (M12-1.75)	
13	105-234	4	BOLT (5/16-NC X 1",CSK SOC)	
14	105-357	3	LOCKNUT (5/8-NC)	
15	115-430	2	SEAT BELT TETHER	
16	184-252	2	BUSHING (.562" X 1" X .590")	
17	106-209	3	WASHER (21/32")	
18	125-124	3	BALL BEARING (.631)	
19	117-924	1	SEAT BELT SET W/5.75" TONGUE	
20	106-391	2	WASHER (M12)	
21	106-333	2	SCREW (M12-1.75 X 40MM, 8.8)	
22	214-770	1	SEAT SWITCH	
23	322-926	1	RETAINER BRACKET	
24	322-403	1	SEAT DECK	
25	322-404	1	REAR TUNNEL COVER	
26	105-819	2	FLG LK BOLT (1/4-NC X 1")	
27	106-097	3	FLG BOLT (5/8-NC X 1-3/4",GD8)	

FOOTNOTES

NOTE:

STANDARD SEAT MOUNT

RT55
BEGINS WITH S/N 5Y1231



STANDARD SEAT MOUNT

RT55

BEGINS WITH S/N 5Y1231

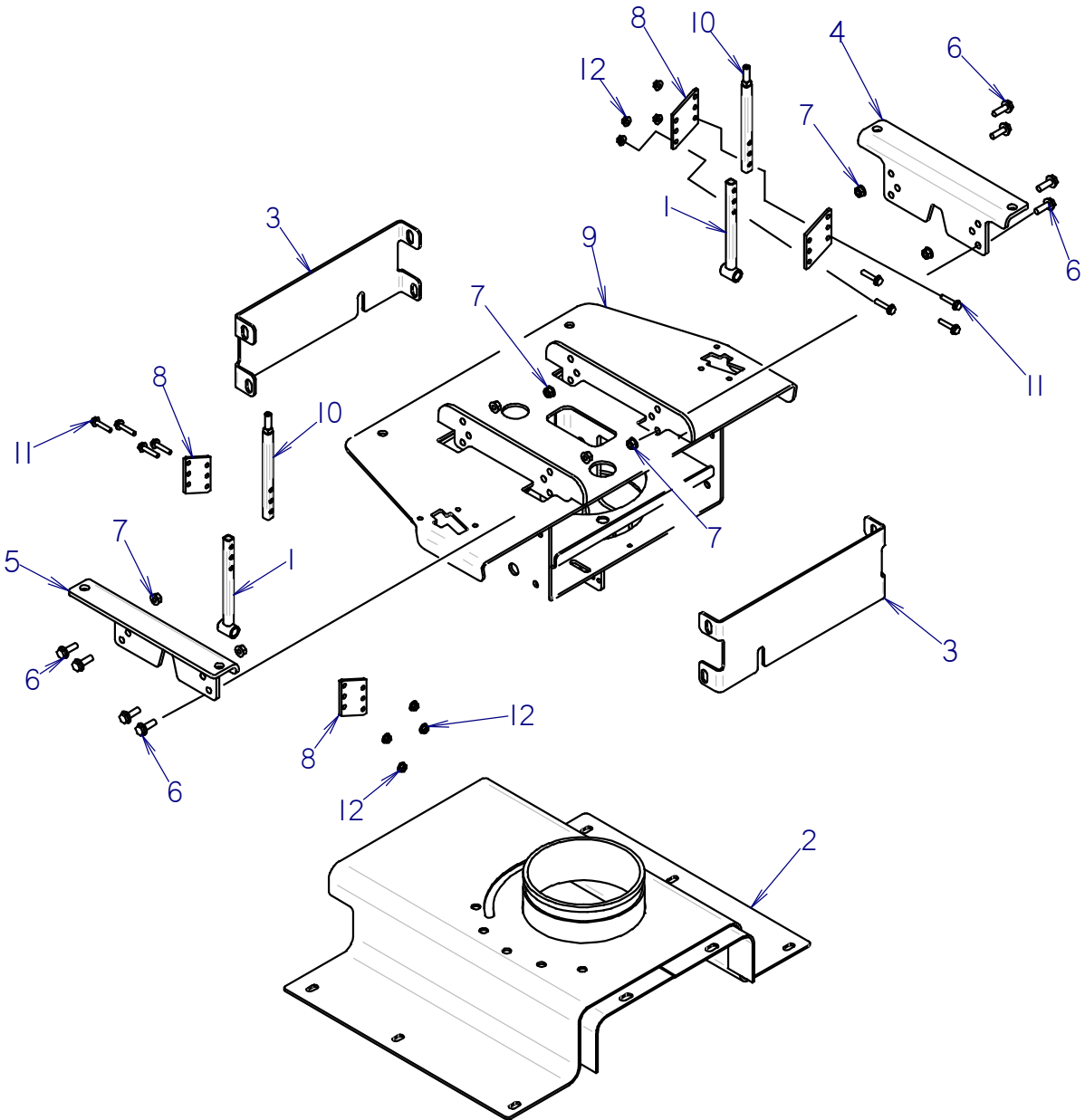
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-414	2	SWIVEL DISC	
2	117-429	1	SEAT	
3	106-381	12	FLG LK SCREW (M8-1.25 X 25MM)	
4	105-089	12	LOCKNUT (5/16-NC)	
5	105-117	8	WASHER (5/16")	
6	106-632	3	FLG LK SCR (M12-1.75X35MM,SER)	
7	322-411	2	COVER	
8	107-135	8	CLIP NUT (M8-1.25)	
9	105-273	2	SCREW (M12-1.75 X 30MM)	USE LOCTITE 271 OR EQUIVALENT
10	106-031	2	LOCKNUT (M12-1.75, NLK)	
11	105-267	4	CUP WASHER (5/16")	
12	106-709	3	FLG LK NUT (M12-1.75)	
13	105-234	8	BOLT (5/16-NC X 1",CSK SOC)	
14	105-357	3	LOCKNUT (5/8-NC)	
15	115-430	2	SEAT BELT TETHER	
16	184-252	2	BUSHING (.562" X 1" X .590")	
17	106-209	3	WASHER (21/32")	
18	125-124	3	BALL BEARING (.631)	
19	117-924	1	SEAT BELT SET W/5.75" TONGUE	
20	106-391	2	WASHER (M12)	
21	106-333	2	SCREW (M12-1.75 X 40MM, 8.8)	
22	215-1107	1	SEAT SWITCH	
23	105-819	2	FLG LK BOLT (1/4-NC X 1")	
24	325-203	1	REAR TUNNEL COVER	
25	325-440	1	SEAT DECK	
26	325-197	1	RETAINER BRACKET	
27	106-097	3	FLG BOLT (5/8-NC X 1-3/4",GD8)	

NOT SHOWN:

FOOTNOTES:

NOTE:

EC SEAT DECK ENDS WITH S/N 5Y1215



EC SEAT DECK ENDS WITH S/N 5Y1215

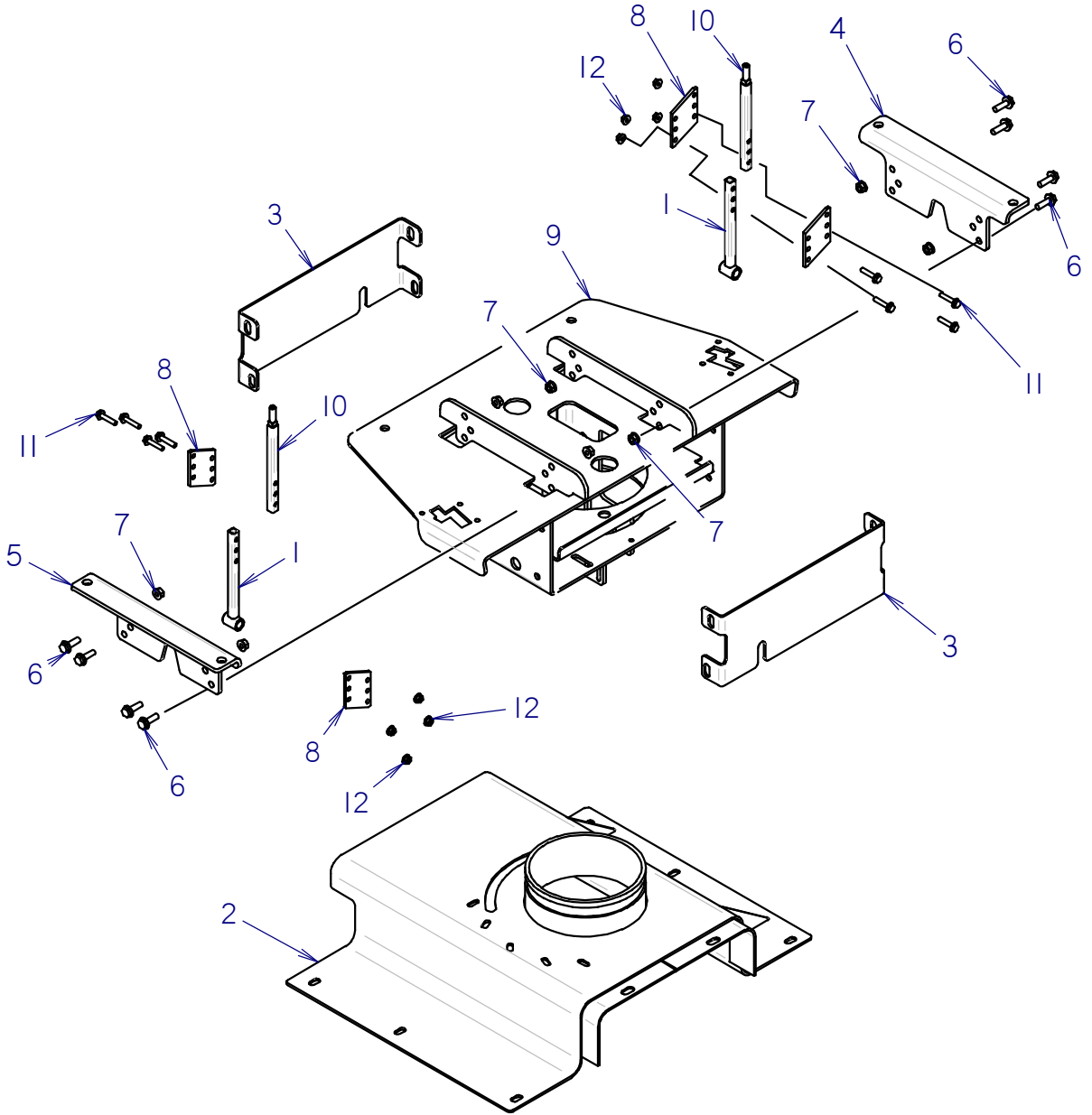
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	323-466	2	LOWER CONTROL HANDLE	
2	323-375	1	REAR TUNNEL COVER	
3	323-462	2	COVER	
4	323-376	1	LEFT SEAT MOUNT PLATE	
5	323-377	1	RIGHT SEAT MOUNT PLATE	
6	106-381	8	FLG LK SCREW (M8-1.25 X 25MM)	
7	106-386	8	FLG LOCKNUT (M8-1.25)	
8	323-463	4	HANDLE PLATE	
9	323-367	1	SEAT DECK	
10	323-465	2	UPPER CONTROL HANDLE	
11	107-366	8	SCREW (M6-1.00 X 30MM, 8.8)	
12	106-385	8	FLG LOCKNUT (M6-1.00)	

FOOTNOTES

NOTE:

EC SEAT DECK

BEGINS WITH S/N 5Y1216



EC SEAT DECK
BEGINS WITH S/N 5Y1216

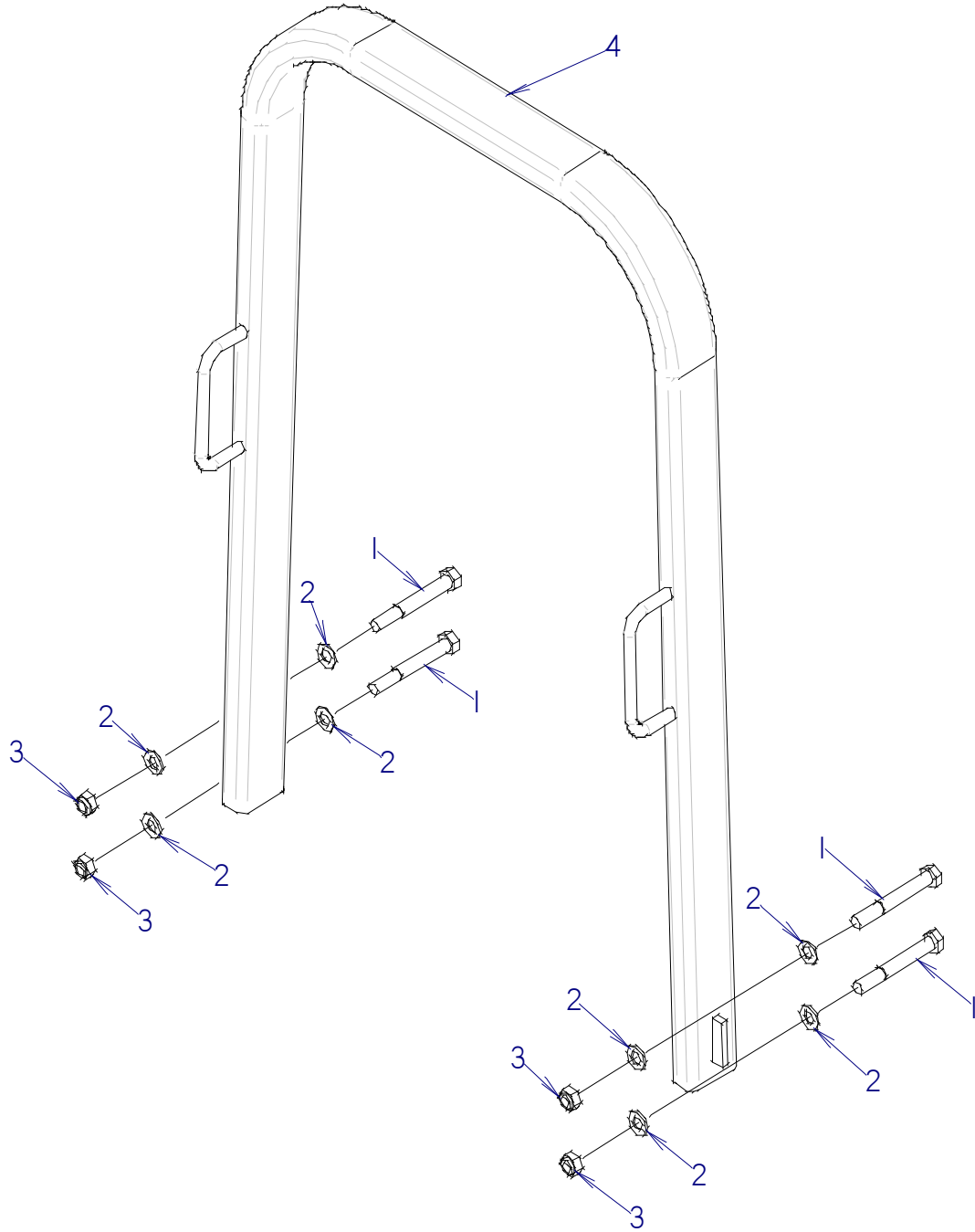
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	323-466	2	LOWER CONTROL HANDLE	
2	325-455	1	REAR TUNNEL COVER	
3	323-462	2	COVER	
4	323-376	1	LEFT SEAT MOUNT PLATE	
5	323-377	1	RIGHT SEAT MOUNT PLATE	
6	106-381	8	FLG LK SCREW (M8-1.25 X 25MM)	
7	106-386	8	FLG LOCKNUT (M8-1.25)	
8	323-463	4	HANDLE PLATE	
9	325-443	1	SEAT DECK	
10	323-465	2	UPPER CONTROL HANDLE	
11	107-366	8	SCREW (M6-1.00 X 30MM, 8.8)	
12	106-385	8	FLG LOCKNUT (M6-1.00)	

NOT SHOWN:

FOOTNOTES:

NOTE:

2-POST ROPS



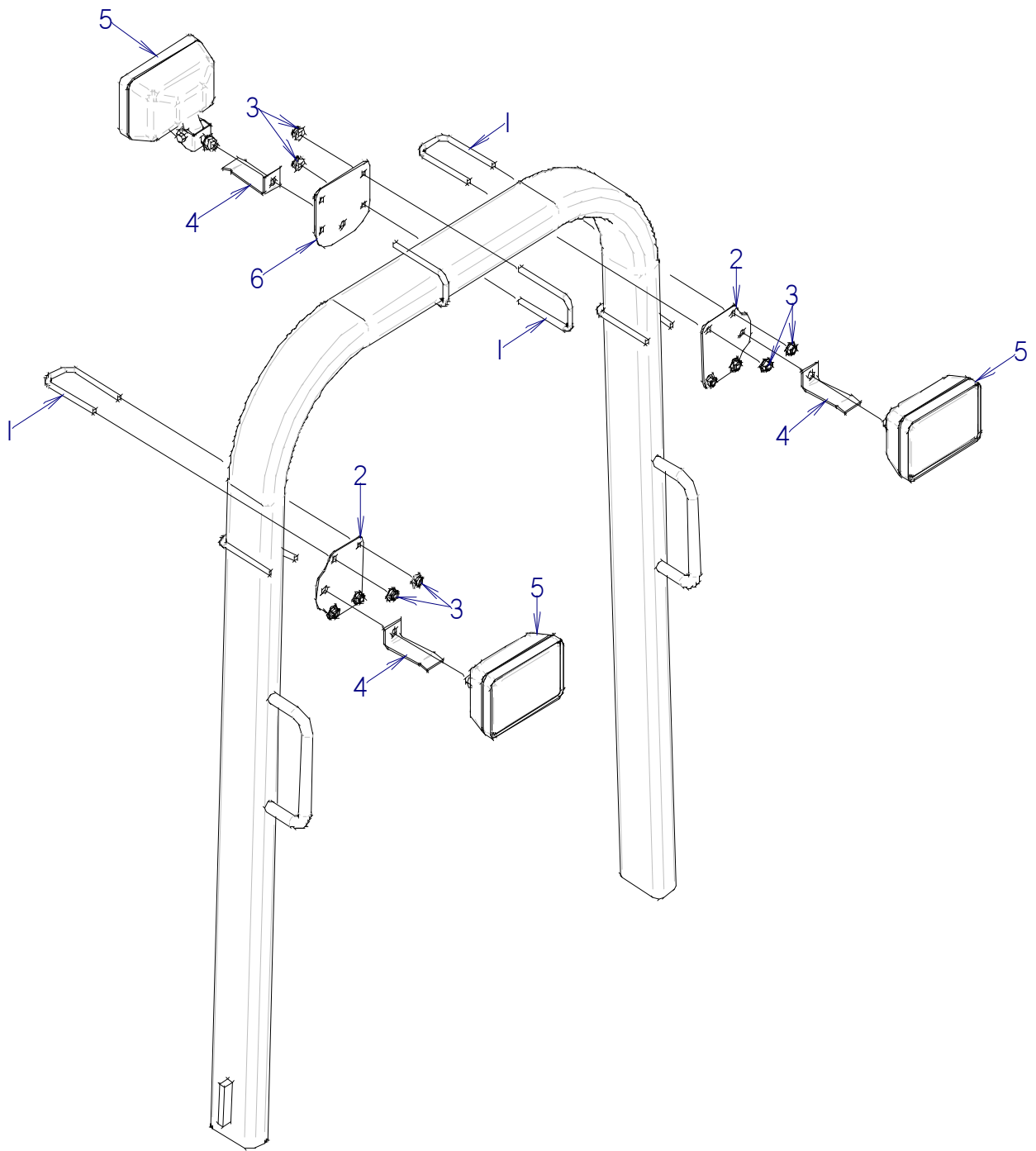
2-POST ROPS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	107-927	4	SCREW (M20-250 X 160MM)	TORQUE TO 375 FT.LBS.
2	106-393	8	WASHER (M20)	
3	106-665	4	LOCKNUT (M20-250, 10.9)	
4	306-362	1	2-POST ROPS	

FOOTNOTES

NOTE:

2-POST ROPS LIGHT KIT



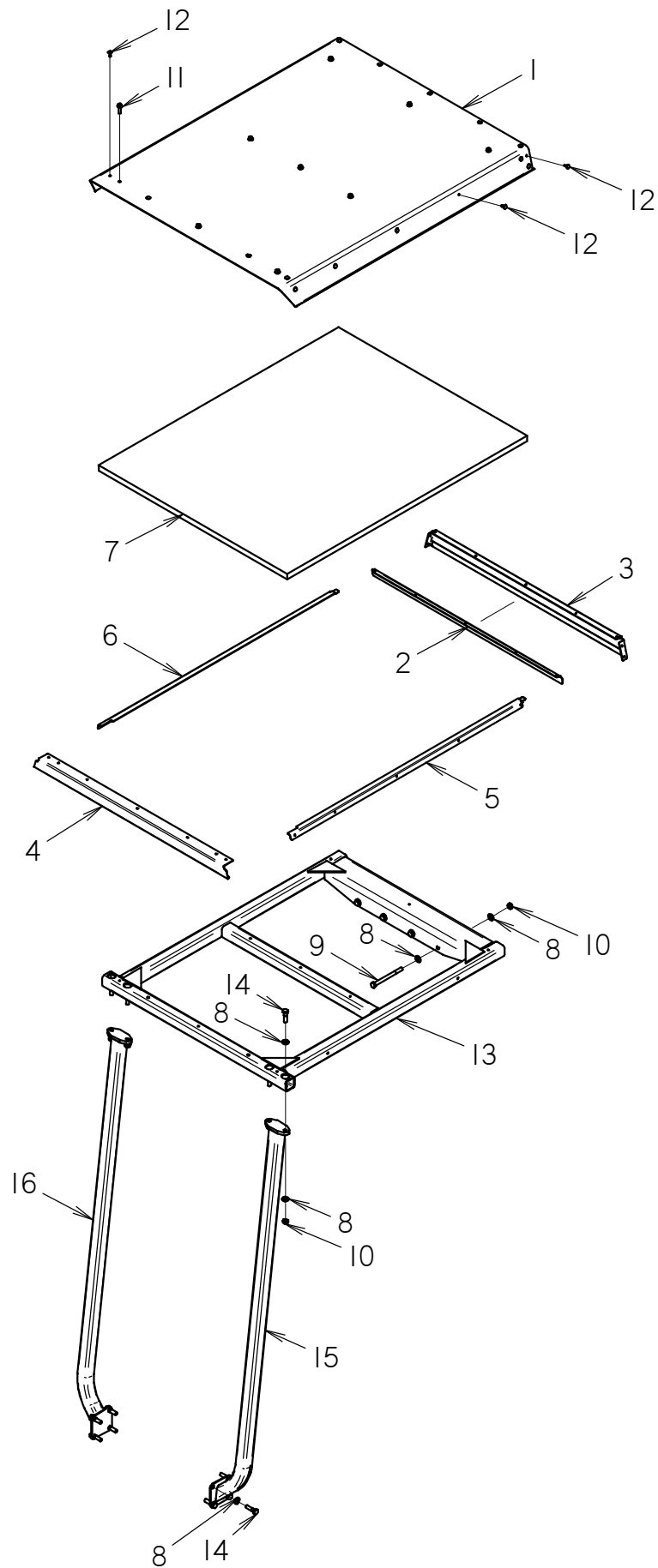
2-POST ROPS LIGHT KIT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-383	-	2-POST LIGHT KIT	
1	107-087	6	U-BOLT (3/8-NC X 5")	
2	323-596	2	FRONT LIGHT BRACKET	
3	105-814	12	FLG LOCKNUT (3/8-NC)	
4	331-568	3	LIGHT BAR	
5	217-007	3	WORKING LIGHT (CLEAR, RECT)	
6	323-595	1	REAR LIGHT BRACKET	

FOOTNOTES

NOTE:

4-POST ROPS



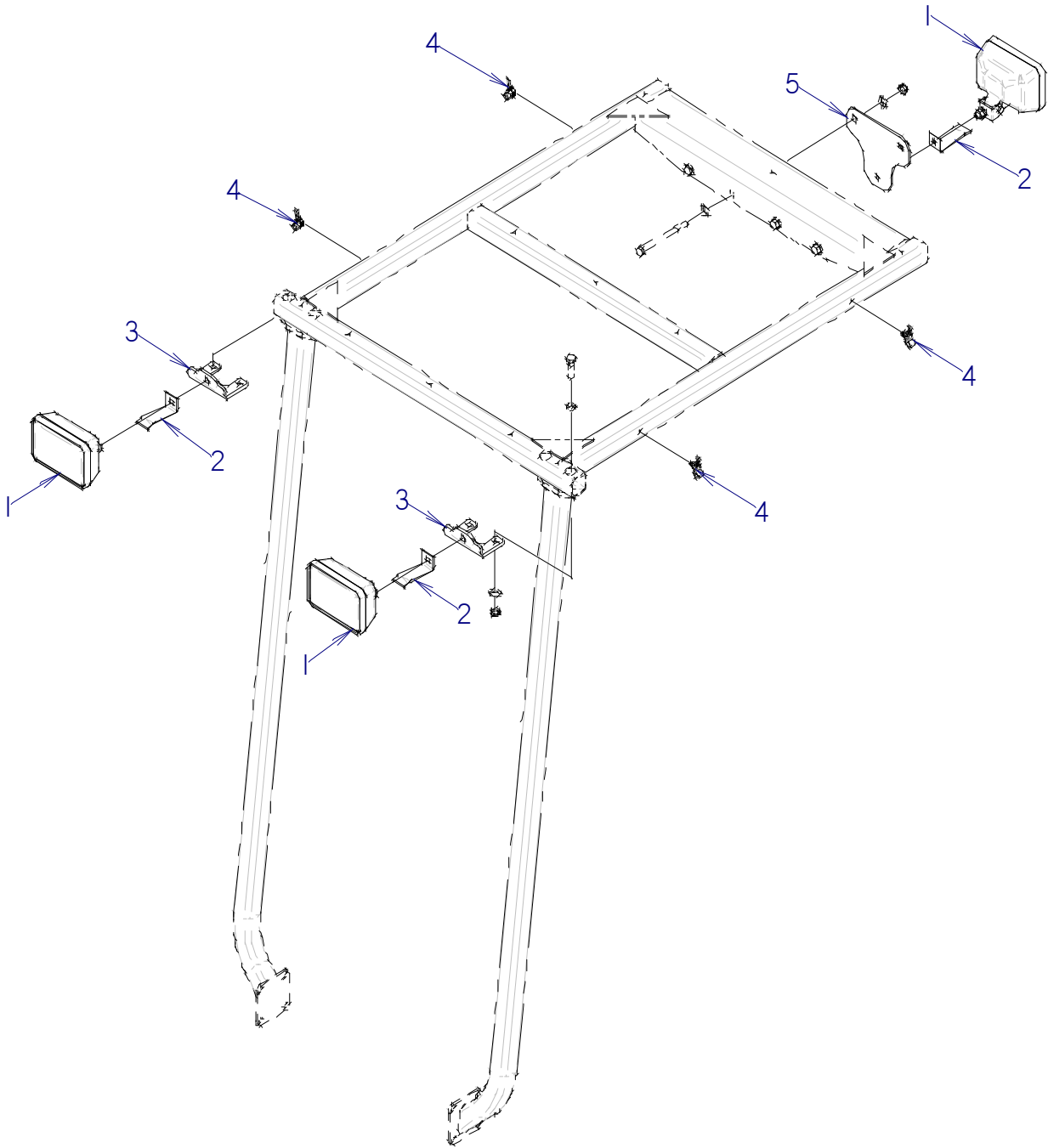
4-POST ROPS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	324-405	1	4-POST ROPS CANOPY	
2	323-452	1	REAR HEADLINER SUPPORT	
3	306-282	1	ROPS CANOPY REAR PLATE	
4	324-406	1	ROPS CANOPY FRONT PLATE	
5	324-407	1	LEFT HEADLINER SUPPORT	
6	324-408	1	RIGHT HEADLINER SUPPORT	
7	117-1025	1	HEADLINER INSULATION	
8	106-397	24	WASHER (M12, HARDENED)	
9	108-083	4	SCREW (M12-1.75 X 150MM, 10.9)	TORQUE TO 90 FT. LBS.
10	106-685	8	LOCKNUT(M12-1.75,PRV TRQ,10.9)	
11	106-243	9	SCREW (5/16-NC X 1-1/2")	
12	110-348	23	POP RIVET (3/16" X .664")	
13	324-402	1	4-POST ROPS FRAME TOP	
14	106-477	12	SCREW (M12-1.75 X 45MM, 10.9)	TORQUE TO 90 FT. LBS.
15	324-397	1	LEFT FRONT ROPS LEG	
16	324-400	1	RIGHT FRONT ROPS LEG	

FOOTNOTES

NOTE:

4-POST ROPS LIGHT KIT



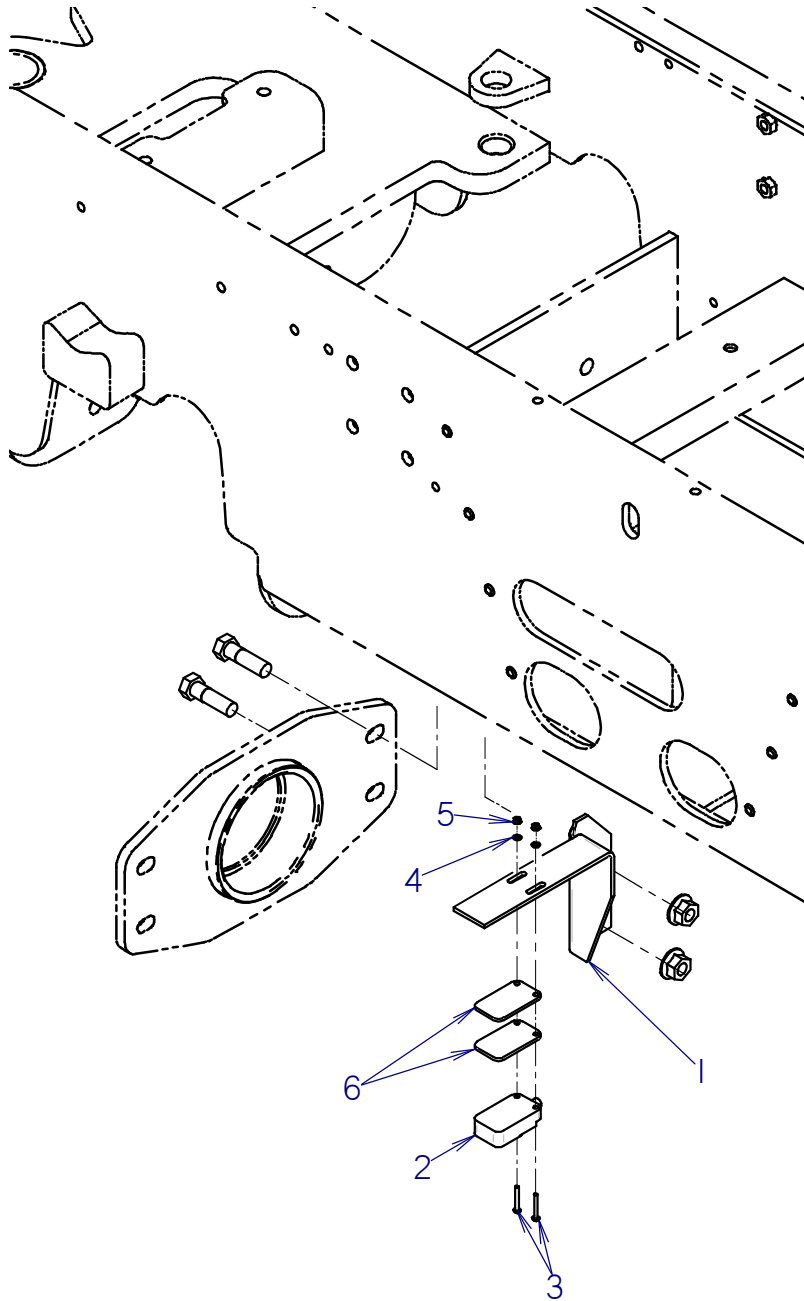
4-POST ROPS LIGHT KIT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-384	-	4-POST LIGHT KIT	
1	217-007	3	WORKING LIGHT (CLEAR, RECT)	
2	331-568	3	LIGHT BAR	
3	324-409	2	FRONT LIGHT BRACKET	
4	111-142	4	CABLE CLAMP (.375")	
5	323-511	1	REAR LIGHT BRACKET	

FOOTNOTES

NOTE:

TDM SENSOR MOUNT



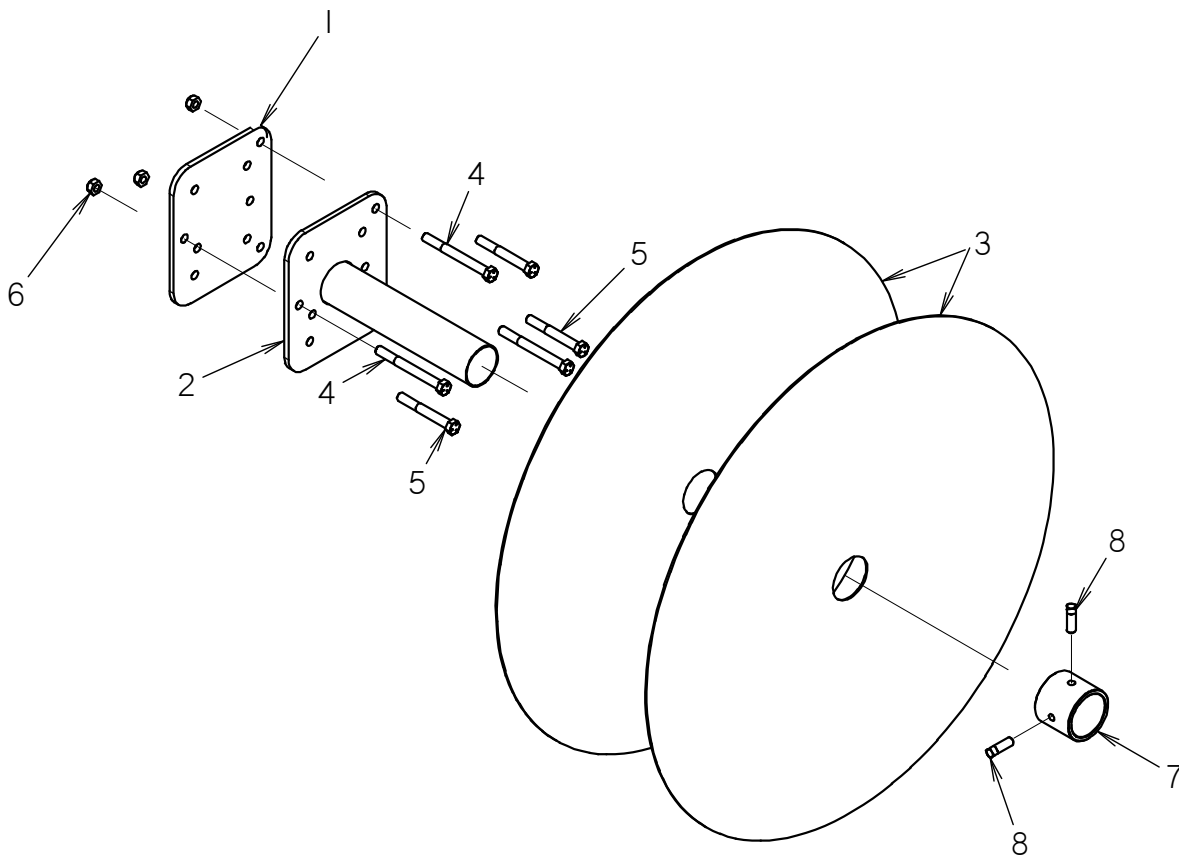
TDM SENSOR MOUNT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	324-497	1	TDM BRACKET	
2	214-692	1	PROXIMITY SWITCH	
3	107-414	2	SCREW (M4-0.70 X 30MMBUT SOC)	USE LOCTITE 401 OR EQUIVALENT
4	107-597	2	WASHER (M4)	
5	105-680	2	NUT (M4, W/LK WSHR)	
6	107-451	2	SHIM (.135")	

FOOTNOTES

NOTE:

TAPE DISPENSER



TAPE DISPENSER

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	190-1637	-	TAPE DISPENSER	INCL'S REF #'S 1 THRU 8
1	301-1490	1	PLATE	
2	301-1399	1	MOUNT	
3	301-1491	2	RING	
4	105-258	3	BOLT (3/8-NC X 3-3/4")	RT80 & RT55
5	105-098	3	BOLT (3/8-NC X 3")	HT/RT115 & QUAD RT45
6	105-047	3	LOCKNUT (3/8-NC)	
7	301-1492	1	COLLAR	
8	105-714	2	SET SCREW (3/8-NC X 1", SQ)	

NOT SHOWN:

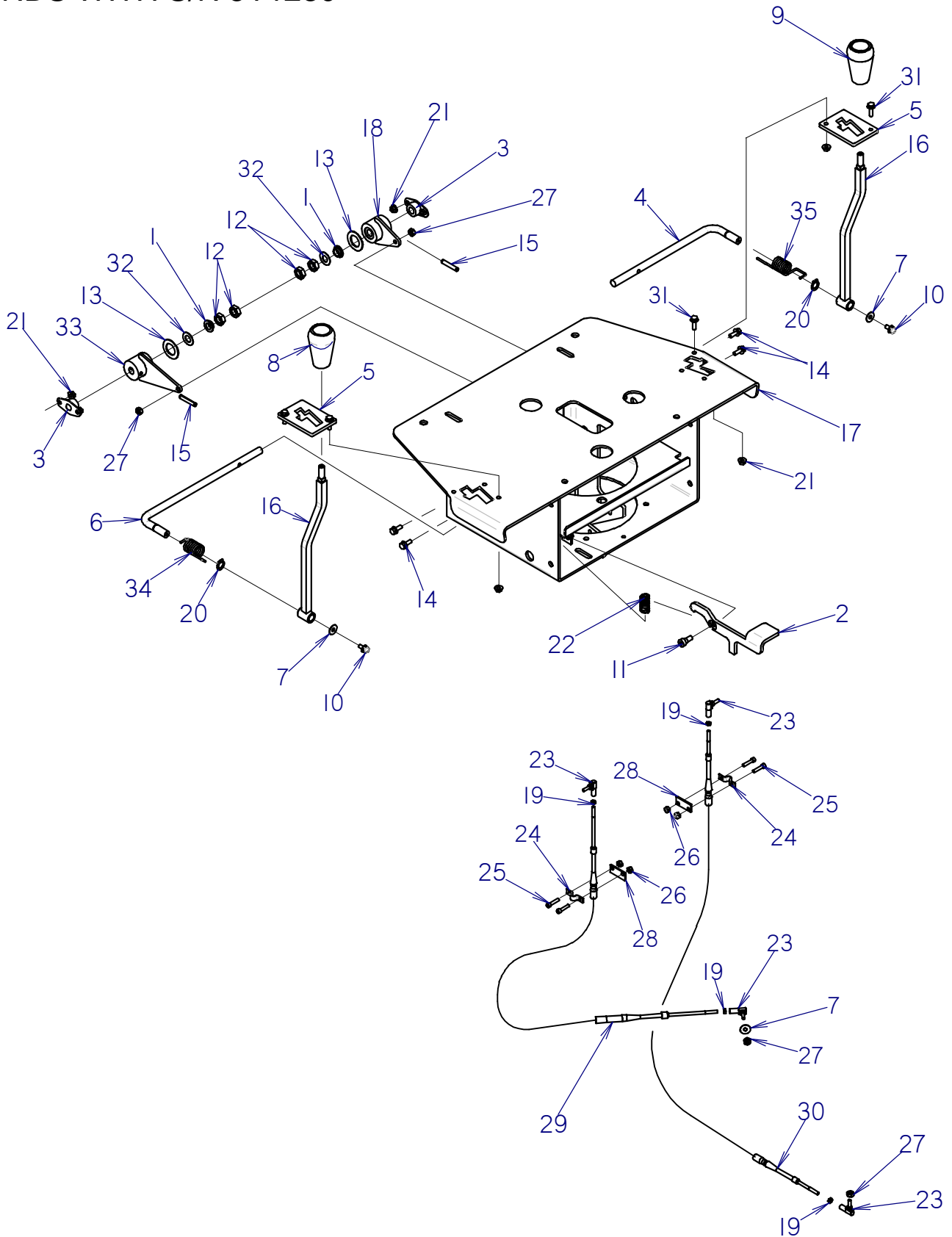
FOOTNOTES:

NOTE:

CONTROL COMPONENTS

STANDARD SEAT CONTROLS

ENDS WITH S/N 5Y1230



STANDARD SEAT CONTROLS

ENDS WITH S/N 5Y1230

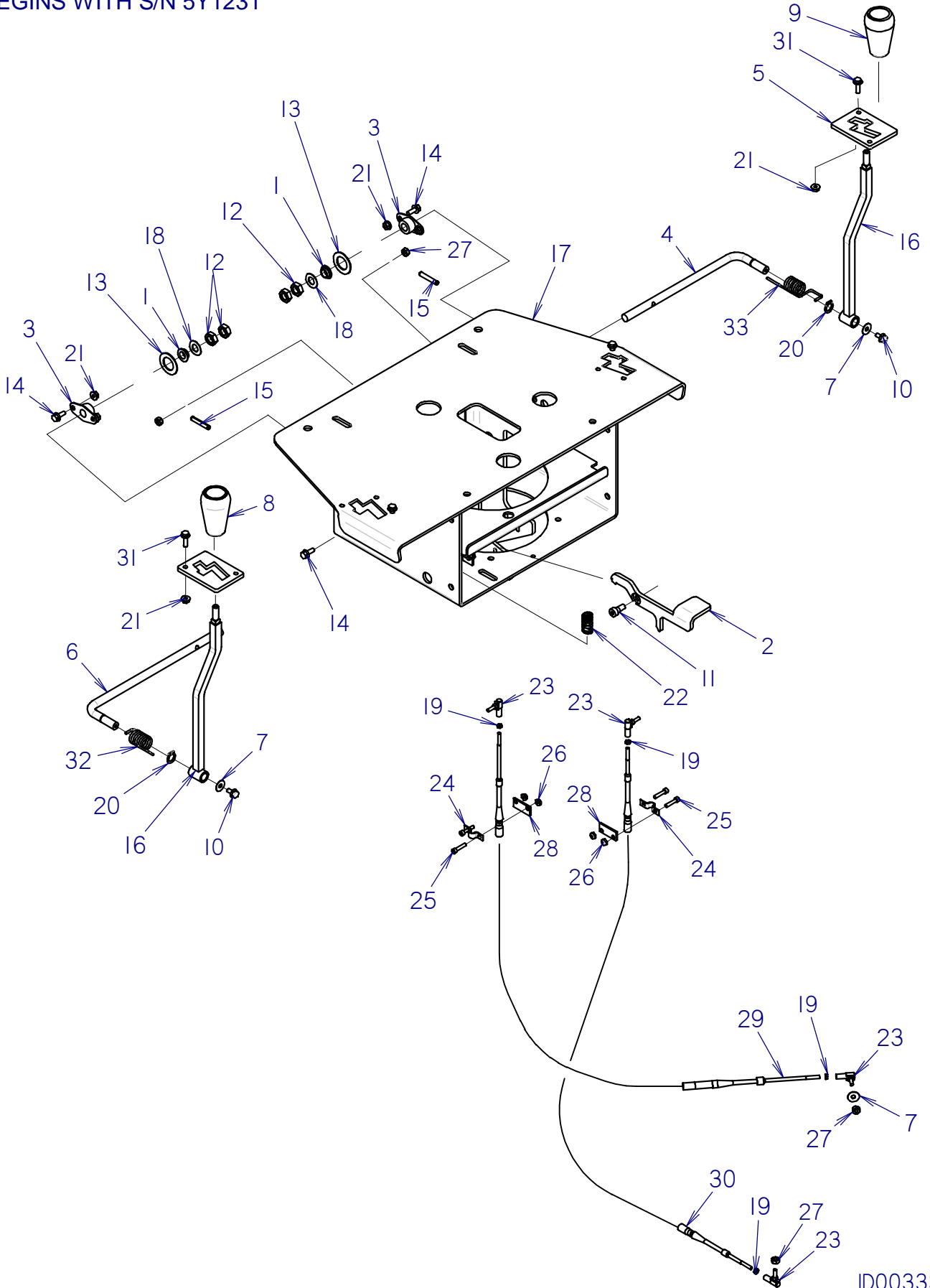
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	179-293	2	BRONZE BUSHING	
2	322-412	1	SWIVEL LOCK	
3	125-559	2	FLANGE BEARING (500")	
4	179-741	1	LEFT CONTROL SHAFT	
5	322-478	2	Z-GATE	
6	179-742	1	RIGHT CONTROL SHAFT	
7	107-092	3	WASHER (254")	
8	110-445	1	KNOB (3/8-NC, ORANGE)	
9	117-470	1	KNOB (3/8-NC, YELLOW)	
10	106-986	2	FLG LK SCREW (M6-1.00 X 12MM)	
11	107-582	1	SHLD BOLT (3/8" X 1/4", 5/16-NC)	USE LOCTITE 242 OR EQUIVALENT
12	106-447	4	JAM NUT (1/2-NF)	
13	108-060	2	FRICTION WASHER (.895")	
14	106-712	4	FLG SCREW (M6-1.00 X 16MM)	
15	105-510	2	ROLL PIN (1/4" X 1-1/2")	
16	179-743	2	CONTROL HANDLE	
17	322-403	1	SEAT DECK	
18	322-636	1	BELL CRANK	
19	506-021	4	NUT (#10-32)	
20	115-482	2	GRIP RING (500")	
21	106-385	8	FLG LOCKNUT (M6-1.00)	
22	117-003	1	COMPRESSION SPRING - INSTALLED HEIGHT	
23	110-318	4	BALL JOINT (#10-32, FM)	
24	110-697	2	BOLT-ON CLAMP (.360")	
25	105-810	4	BOLT (#10-24 X 7/8", SOC)	
26	106-048	4	LOCKNUT (#10-24)	
27	106-678	4	LOCKNUT (1/4-NF)	
28	331-166	2	BOLT-ON BACK-UP (.306")	
29	194-596	1	CONTROL CABLE (#10-32 X 40")	
30	196-334	1	CONTROL CABLE (#10-32 X 58")	
31	106-379	4	FLG LK SCREW (M6-1.00 X 20MM)	
32	107-605	2	WASHER (1/2", HARDENED)	
33	324-790	1	BELL CRANK	
34	118-304	1	TORSION SPRING LEFT HAND	
35	118-305	1	TORSION SPRING RIGHT HAND	

FOOTNOTES

NOTE:

STANDARD SEAT CONTROLS

BEGINS WITH S/N 5Y1231



STANDARD SEAT CONTROLS

BEGINS WITH S/N 5Y1231

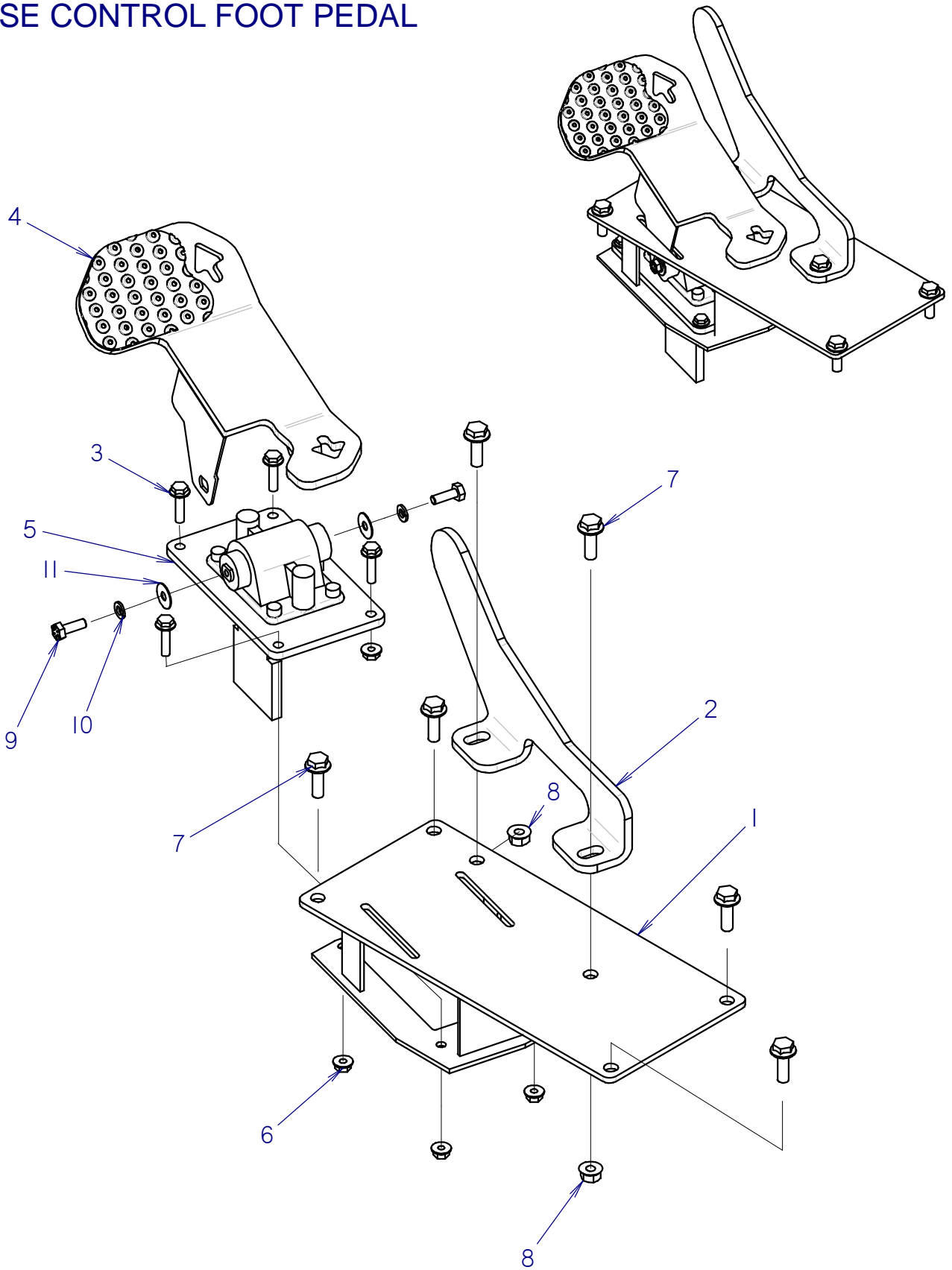
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	179-293	2	BRONZE BUSHING	
2	322-412	1	SWIVEL LOCK	
3	125-559	2	FLANGE BEARING (500")	
4	179-741	1	LEFT CONTROL SHAFT	
5	325-433	2	Z-GATE	
6	179-742	1	RIGHT CONTROL SHAFT	
7	107-092	3	WASHER (254")	
8	110-445	1	KNOB (3/8-NC, ORANGE)	
9	117-470	1	KNOB (3/8-NC, YELLOW)	
10	106-986	2	FLG LK SCREW (M6-1.00 X 12MM)	
11	107-582	1	SHLD BOLT (3/8" X 1/4", 5/16-NC)	USE LOCTITE 242 OR EQUIVALENT
12	106-447	4	JAM NUT (1/2-NF)	
13	108-060	2	FRICTION WASHER (.895")	
14	106-712	4	FLG SCREW (M6-1.00 X 16MM)	
15	105-510	2	ROLL PIN (1/4" X 1-1/2")	
16	179-743	2	CONTROL HANDLE	
17	325-440	1	SEAT DECK	
18	107-605	2	WASHER (1/2", HARDENED)	
19	506-021	4	NUT (#10-32)	
20	115-482	2	GRIP RING (500")	
21	106-385	8	FLG LOCKNUT (M6-1.00)	
22	117-003	1	COMPRESSION SPRING - INSTALLED HEIGHT	
23	110-318	4	BALL JOINT (#10-32, FM)	
24	110-697	2	BOLT-ON CLAMP (.360")	
25	105-810	4	BOLT (#10-24 X 7/8", SOC)	
26	106-048	4	LOCKNUT (#10-24)	
27	106-678	4	LOCKNUT (1/4-NF)	
28	331-166	2	BOLT-ON BACK-UP (.306")	
29	194-596	1	CONTROL CABLE (#10-32 X 40")	
30	196-334	1	CONTROL CABLE (#10-32 X 58")	
31	106-379	4	FLG LK SCREW (M6-1.00 X 20MM)	
32	118-304	1	TORSION SPRING LEFT HAND	
33	118-305	1	TORSION SPRING RIGHT HAND	

NOT SHOWN:

FOOTNOTES:

NOTE:

CRUISE CONTROL FOOT PEDAL



CRUISE CONTROL FOOT PEDAL

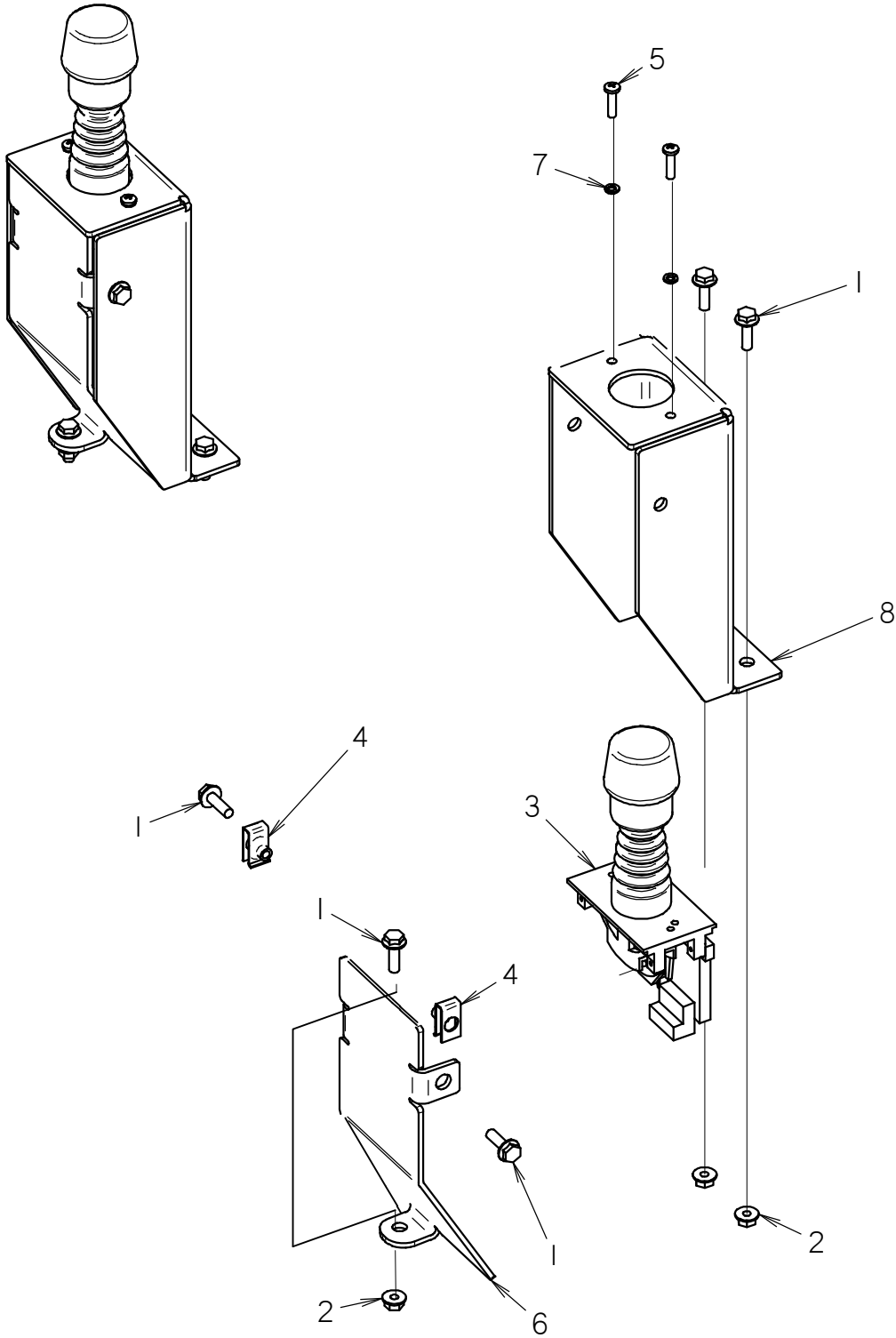
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	324-722	1	PEDAL MOUNT	
2	319-365	1	PROTECTIVE BAR	
3	106-848	4	FLG SCREW (M6-1.00 X 25MM)	
4	324-723	1	PEDAL	
5	213-224	1	BI-DIRECTIONAL FOOTPEDAL	
6	106-385	4	FLG LOCKNUT (M6-1.00)	
7	106-992	6	FLG LK SCREW (M8-1.25 X 25MM)	
8	106-386	2	FLG LOCKNUT (M8-1.25)	
9	105-865	2	BOLT (1/4-NC X 3/4", GD8)	
10	105-079	2	LOCK WASHER (1/4)	
11	107-092	2	WASHER (1.254")	

NOT SHOWN:

FOOTNOTES:

NOTE:

EC CRUISE CONTROL LEVER



EC CRUISE CONTROL LEVER

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	106-379	5	FLG LK SCREW (M6-1.00 X 20MM)	
2	106-385	3	FLG LOCKNUT (M6-1.00)	
3	215-1663	1	SINGLE AXIS 12V HAND CONTROL, ORG KNOB	SEE FOOTNOTE 1
4	106-574	2	CLIP NUT (M6-1.00)	
5	106-049	2	BOLT (#10-24 X 3/4", PLPS)	
6	324-582	1	EC OUTSIDE COVER	
7	195-418	2	LOCK WASHER (#10)	
8	324-581	1	EC INSIDE COVER	

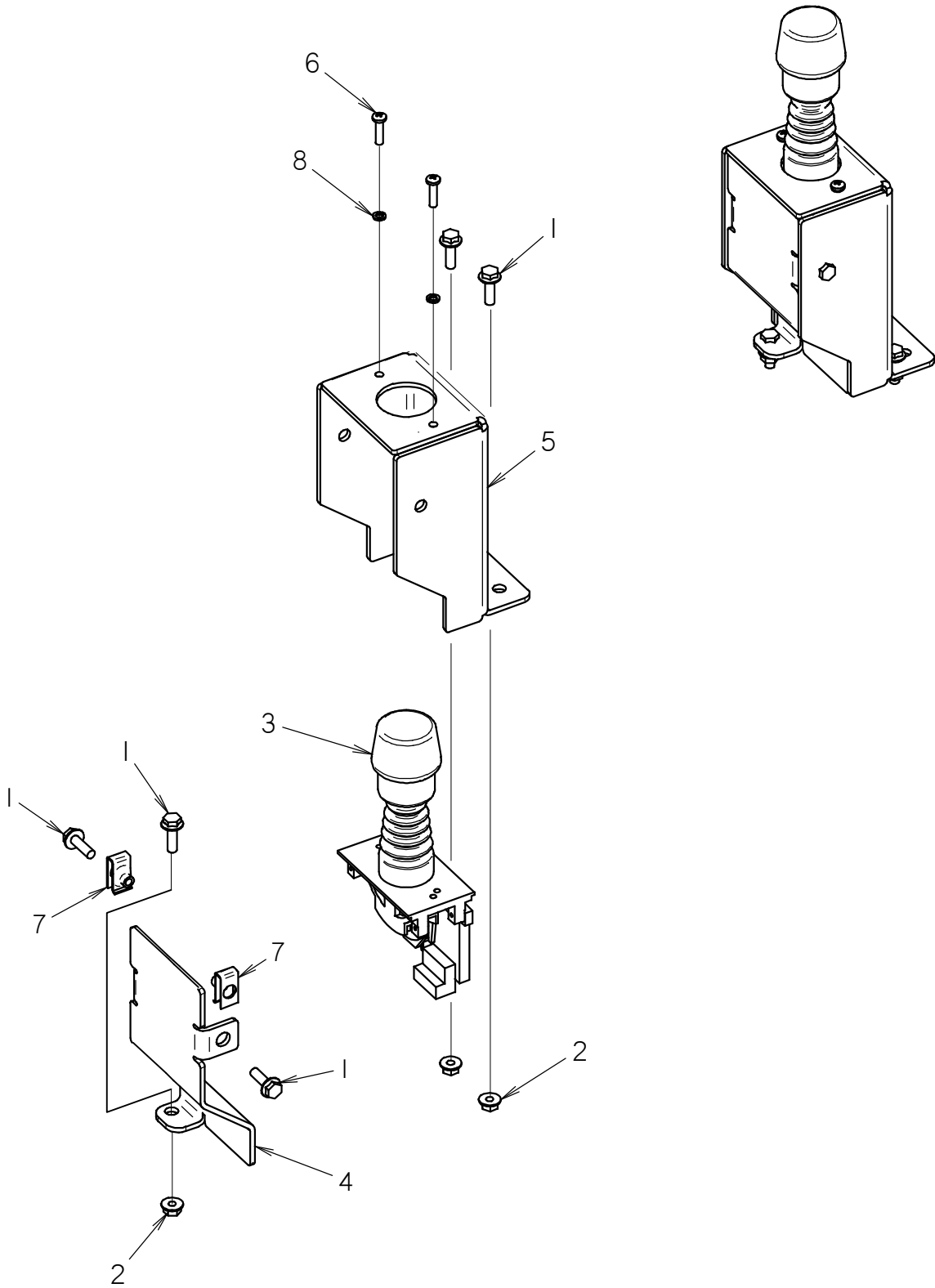
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FOOTNOTES:

- I. JOYSTICK 213-223 IS OBSOLETE, USE 215-1663 FOR REPLACEMENT.

NOTE:

STD CRUISE CONTROL LEVER



STD CRUISE CONTROL LEVER

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	106-379	5	FLG LK SCREW (M6-1.00 X 20MM)	
2	106-385	3	FLG LOCKNUT (M6-1.00)	
3	215-1663	1	SINGLE AXIS 12V HAND CONTROL, ORG KNOB	SEE FOOTNOTE 1
4	324-569	1	OUTSIDE COVER	
5	324-568	1	INSIDE COVER	
6	106-049	2	BOLT (#10-24 X 3/4", PLPS)	
7	106-574	2	CLIP NUT (M6-1.00)	
8	195-418	2	LOCK WASHER (#10)	

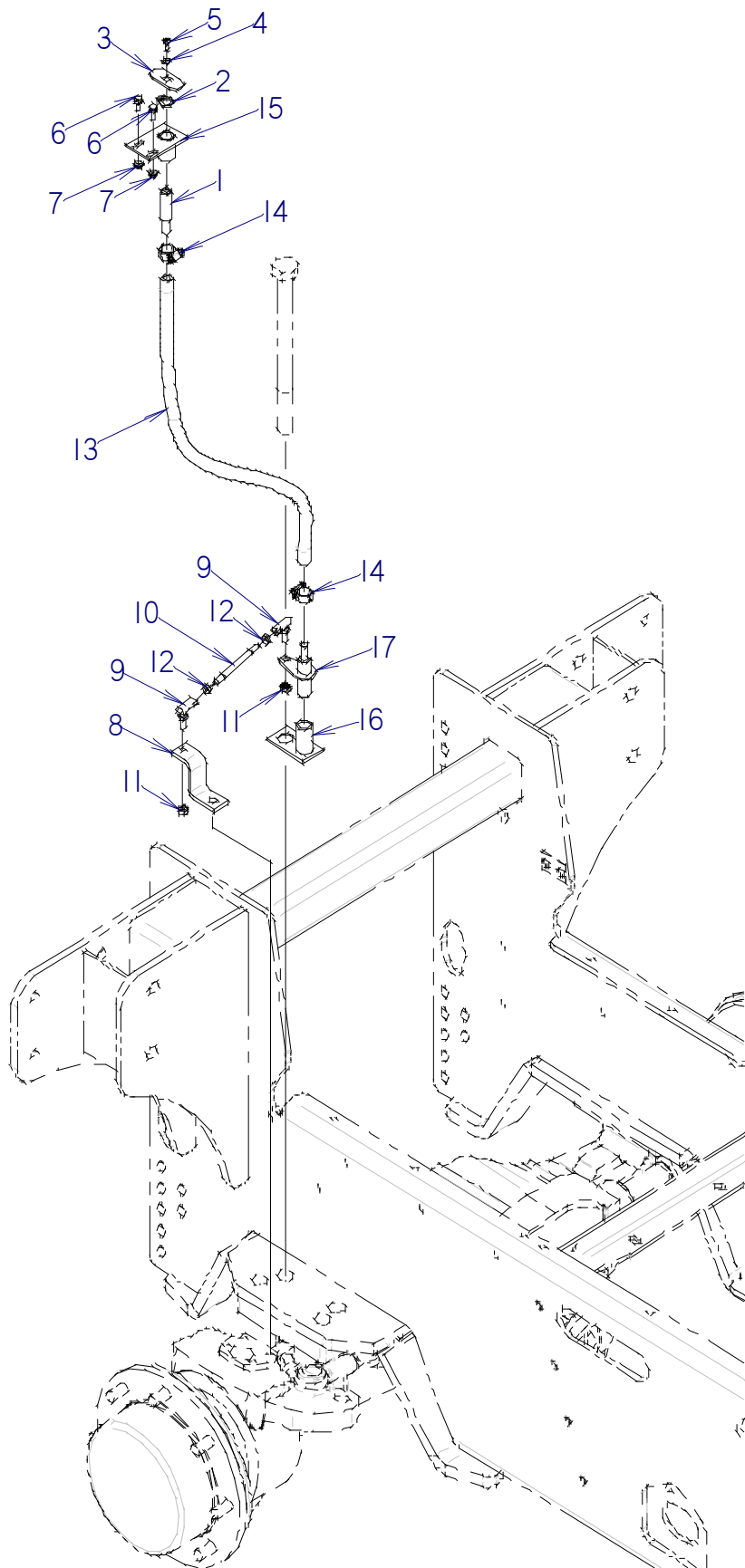
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FOOTNOTES:

- I. JOYSTICK 213-223 IS OBSOLETE, USE 215-1663 FOR REPLACEMENT.

NOTE:

REAR STEER INDICATOR



A

809-180

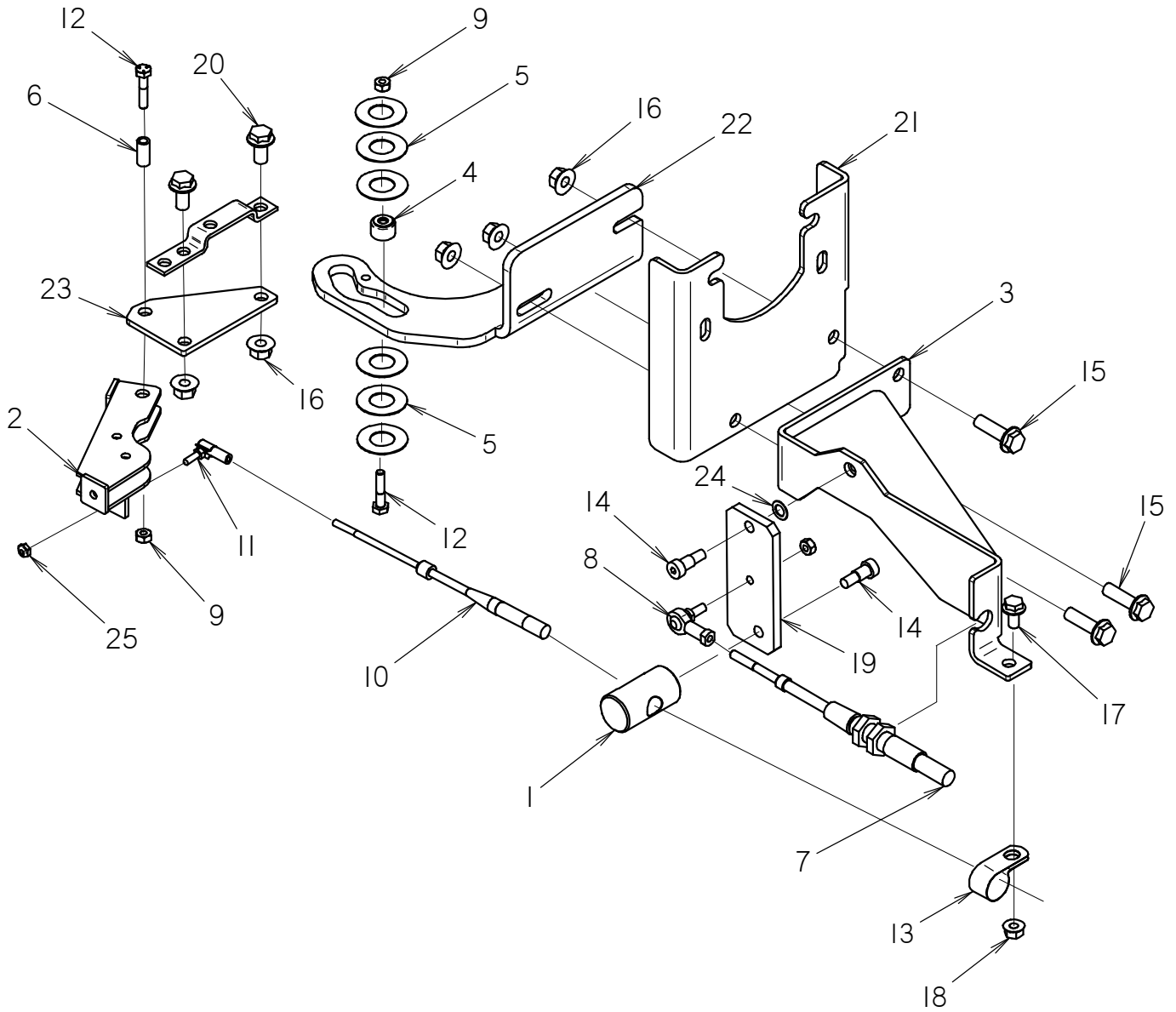
REAR STEER INDICATOR

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	179-201	1	INDICATOR PIVOT STUB	
2	115-480	1	GRIP RING (750")	
3	313-554	1	INDICATOR PLATE	
4	105-284	1	WASHER (3/16")	
5	106-103	1	BOLT (1/4-NC X 1/2", BUT SOCI	
6	106-987	2	FLG LK SCREW (M6-1.00 X 16MM)	
7	106-353	2	FLG NUT (M6-1.00)	
8	363-678	1	PIVOT LINK MOUNT	
9	160-335	2	BALL JOINT (5/16-NF)	
10	365-191	1	CONTROL ROD (5/16-NF X 4.450")	
11	105-213	2	NUT (5/16-NF)	
12	105-115	2	JAM NUT (5/16-NF)	
13	159-875	1	EXT HOSE (1/2"-25",30 OOPS)	
14	110-217	2	WORM CLAMP (7/16" TO 1")	
15	328-112	1	INDICATOR MOUNT	
16	328-422	1	PIVOT BASE WELDMENT	
17	328-424	1	PIVOT ARM WELDMENT	

FOOTNOTES

NOTE:

GROUND DRIVE PUMP CONTROLS



GROUND DRIVE PUMP CONTROLS

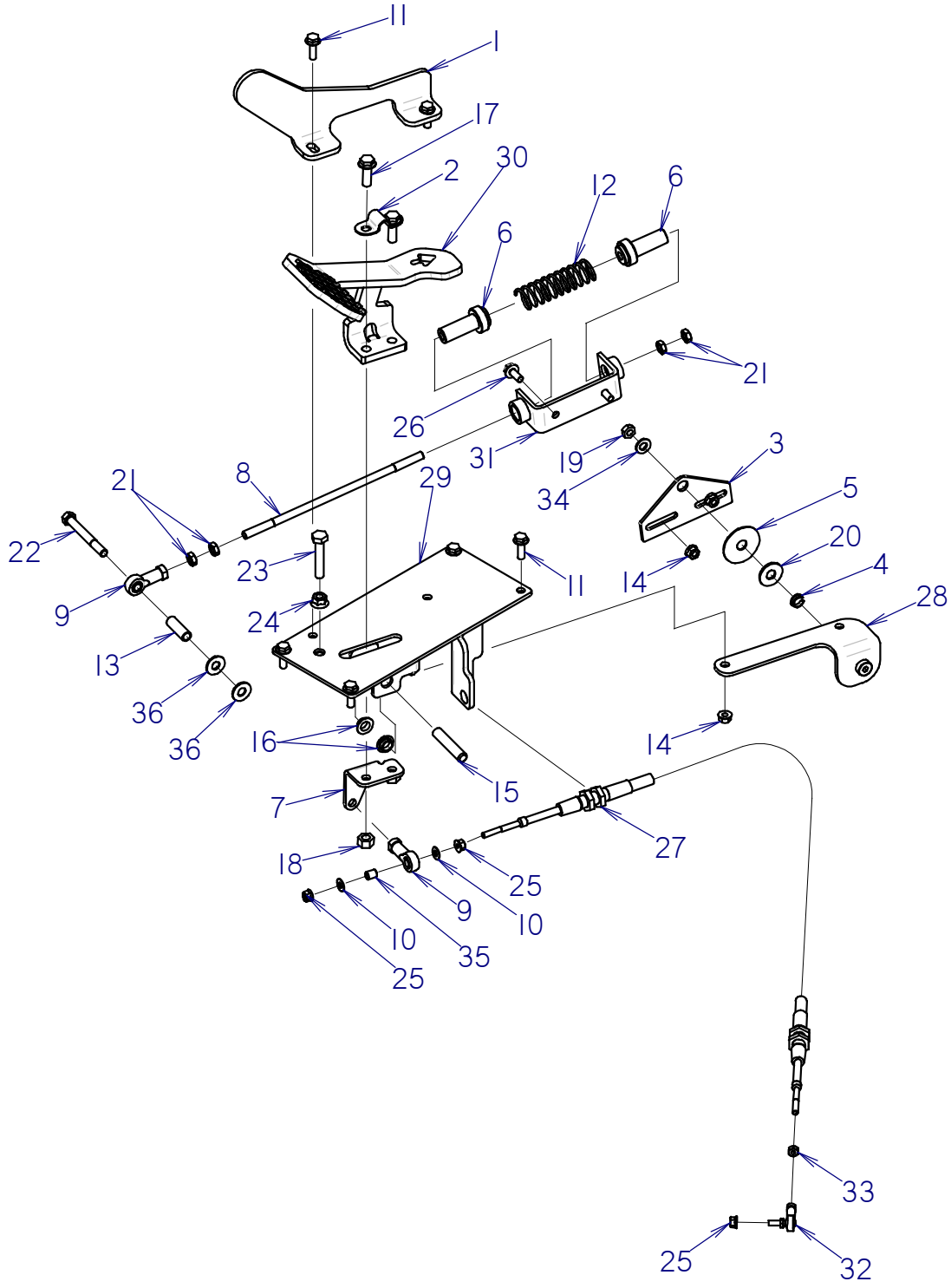
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	141-779	1	PIVOT JOINT	
2	324-706	1	CABLE CONNECTOR	
3	324-707	1	CABLE BRACKET	
4	125-491	1	CAM YOKE ROLLER BEARING	
5	108-151	AR	MACH BUSHING (.760", 20GA)	
6	125-575	1	BRONZE BUSHING	
7	196-359	1	CONTROL CABLE	
8	110-774	1	BALL JOINT (1/4-NF)	
9	106-678	3	LOCKNUT (1/4-NF)	
10	194-596	1	CONTROL CABLE (#10-32 X 40")	
11	110-318	1	BALL JOINT (#10-32, FM)	
12	105-699	2	BOLT (1/4-NF X 1 1/4")	
13	110-333	1	BOLT-ON CLAMP (1")	
14	107-783	2	SHLD BLT (3/8" X 1/2", 5/16-NC)	
15	106-497	3	FLG SCREW (M10-1.50 X 35MM)	
16	106-266	5	FLG NUT (M10-1.50)	
17	106-380	1	FLG LK SCREW (M8-1.25 X 16MM)	
18	106-386	1	FLG LOCKNUT (M8-1.25)	
19	324-986	1	LINKAGE PLATE	
20	106-382	2	FLG LK SCREW (M10-1.50 X 20MM)	
21	322-387	1	PUMP SUPPORT PLATE	
22	324-703	1	CURVE PLATE	
23	324-710	1	LINK PLATE	
24	107-049	1	WASHER (.376" TEFLON)	
25	106-048	1	LOCKNUT (#10-24)	

NOT SHOWN:

FOOTNOTES:

NOTE:

GROUND SPEED DIRECTION FOOT CONTROL



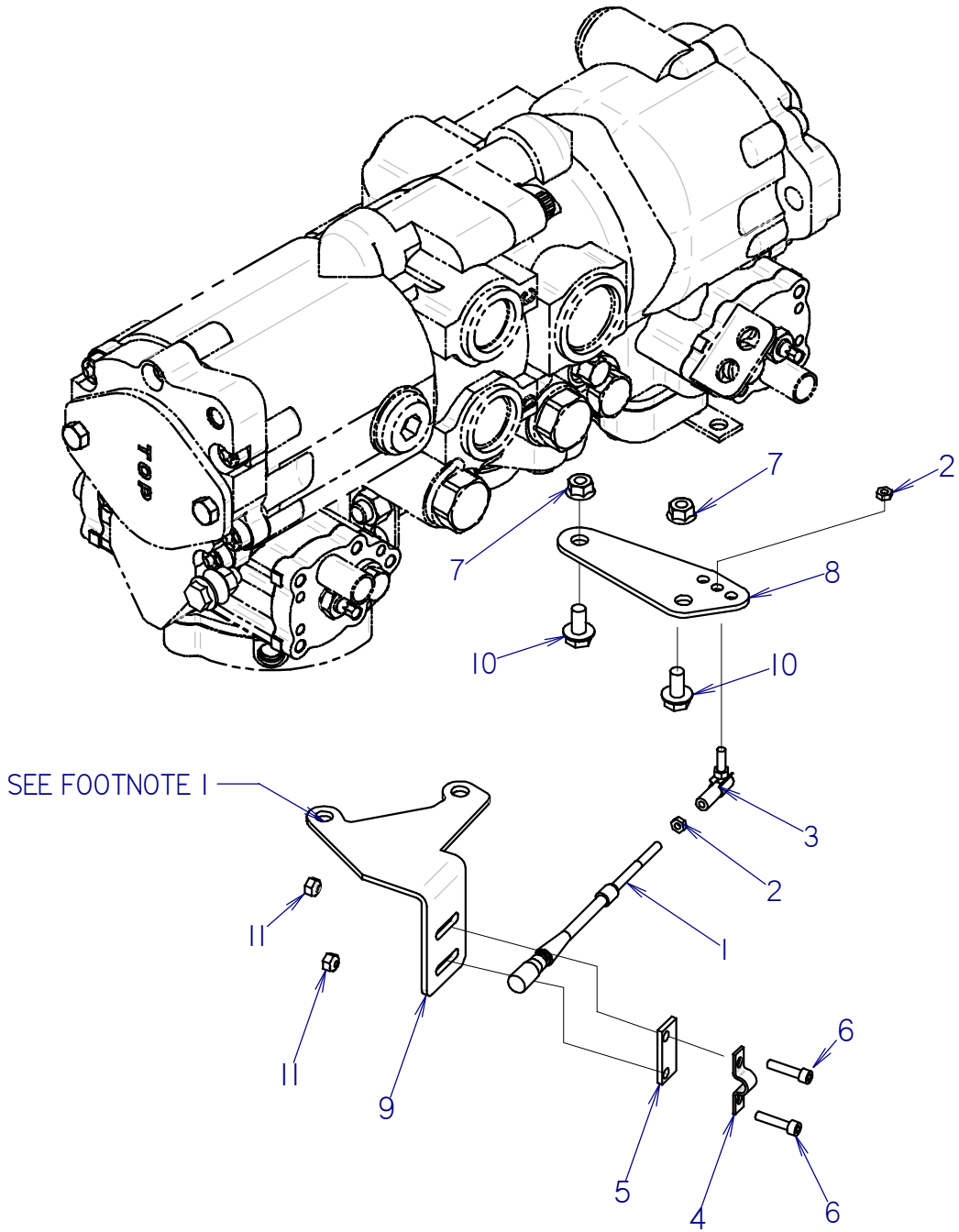
GROUND SPEED DIRECTION FOOT CONTROL

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	319-365	1	PROTECTIVE BAR	
2	310-411	1	CLAMP	
3	320-634	1	PIVOT PLATE	
4	125-779	1	FLG BUSHING (.500", NYL)	
5	115-656	1	FRICTION WASHER (1/2", NYLON)	
6	181-617	2	SPRING BACKUP	
7	323-065	1	CABLE BRACKET	
8	179-776	1	PEDAL RETURN ROD	
9	110-102	2	ROD END (3/8-NF, FM)	
10	106-076	2	WASHER (1/4")	
11	106-992	6	FLG LK SCREW (M8-1.25 X 25MM)	
12	115-582	1	COMPRESSION SPRING	
13	179-529	1	BUSHING	
14	106-386	4	FLG LOCKNUT (M8-1.25)	
15	183-221	1	PIN	
16	179-293	2	BRONZE BUSHING	
17	107-002	2	FLG LK SCREW (M10-1.50 X 30MM)	
18	106-175	2	LOCKNUT (M10-1.50)	
19	105-047	1	LOCKNUT (3/8-NC)	
20	105-059	1	WASHER (7/16")	
21	106-018	4	JAM NUT (3/8-NF)	
22	505-111	1	BOLT (3/8-NF X 3-1/4")	
23	105-839	1	SCREW (M10-1.50 X 55MM)	
24	106-266	1	FLG NUT (M10-1.50)	
25	106-154	3	FLG LOCKNUT (1/4-NF)	
26	106-991	2	FLG LK SCREW (M8-1.25 X 20MM)	
27	196-359	1	CONTROL CABLE	
28	322-728	1	MOUNT BRACKET	
29	322-546	1	PEDAL MOUNT	
30	309-943	1	PEDAL	
31	313-553	1	SPRING BRACKET	
32	110-774	1	BALL JOINT (1/4-NF)	
33	105-152	1	NUT (1/4-NF)	
34	106-390	1	WASHER (M10)	
35	179-909	1	SLEEVE (.259" X .475")	
36	105-118	2	WASHER (3/8")	

FOOTNOTES

NOTE:

ATTACHMENT PUMP CONTROLS



ATTACHMENT PUMP CONTROLS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	196-334	1	CONTROL CABLE (#10-32 X 58")	
2	506-021	2	NUT (#10-32)	
3	110-318	1	BALL JOINT (#10-32, FM)	
4	110-697	1	BOLT-ON CLAMP (.360")	
5	331-166	1	BOLT-ON BACK-UP (.306")	
6	105-810	2	BOLT (#10-24 X 7/8", SOC)	
7	106-386	2	FLG LOCKNUT (M8-1.25)	
8	313-543	1	CABLE MOUNT	
9	322-386	1	ATTACHMENT CONTROL BRACKET	SEE FOOTNOTE I
10	107-095	2	FLG SCREW (M8-1.25 X 16MM)	
11	106-048	2	LOCKNUT (#10-24)	

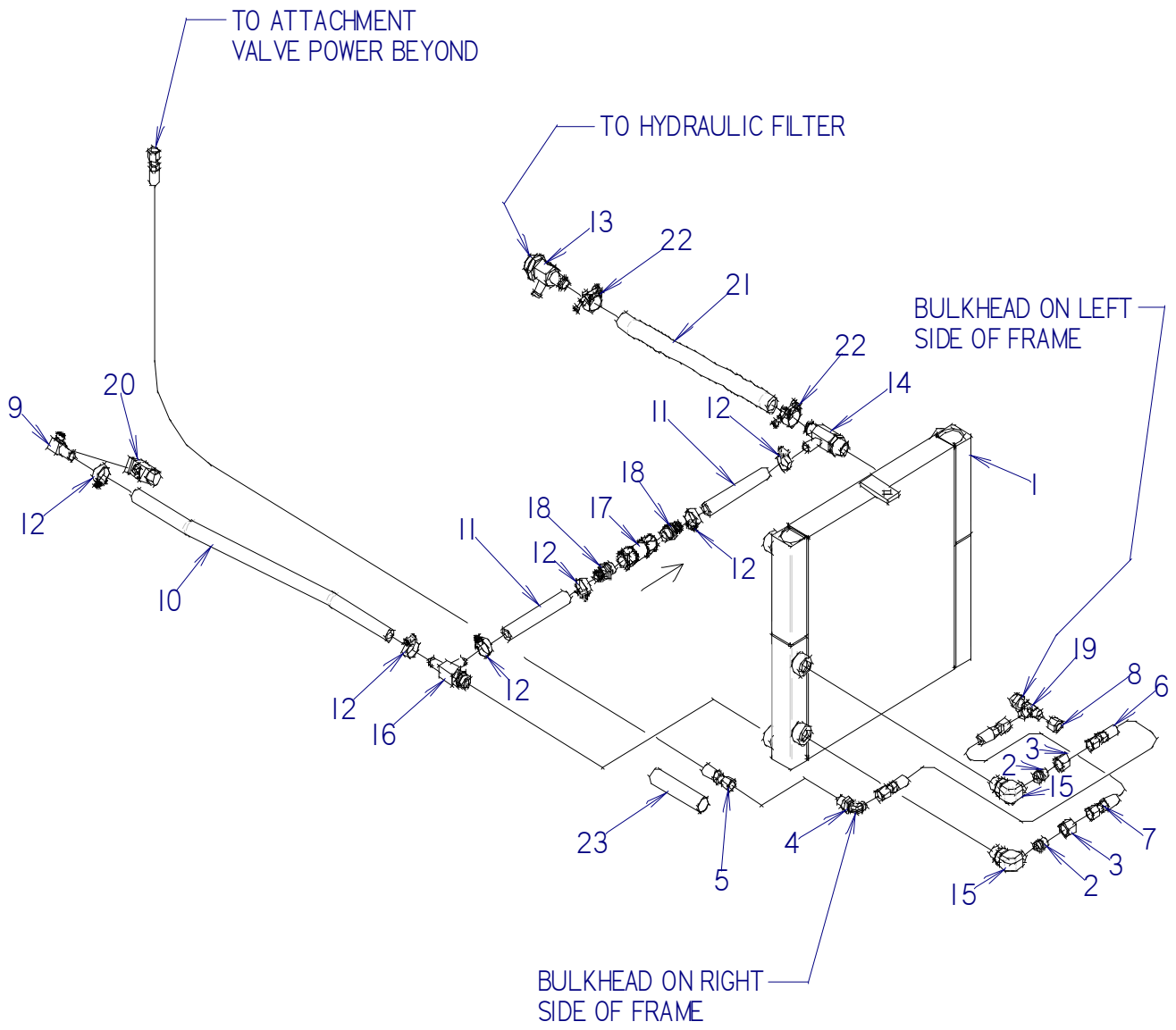
FOOTNOTES

- I. USE EXISTING HARDWARE IN PUMP TO ATTACH 322-386.

NOTE:

HYDRAULICS

OIL COOLER HYDRAULICS



OIL COOLER HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-472	1	COOLER	
2	154-312	2	REDUCER STEM (080)	
3	154-310	2	REDUCER NUT (100F)	
4	154-396	1	BK CONNECTOR (080-08090BK)	
5	515-102	1	HOSE (080FX-110"-3000)	
6	154-739	1	HOSE (080FX-32"-3000)	
7	154-739	1	HOSE (080FX-32"-3000)	
8	154-327	1	CAP (080F)	
9	159-682	1	S/O TEE (06S-12H90-060)	
10	116-636	AR	BULK HOSE (3/4", SOLD PER FT)	USE 1 @ 33"
11	116-636	AR	BULK HOSE (3/4", SOLD PER FT)	USE 2 @ 7.5"
12	110-353	6	WORM CLAMP (3/4" TO 1-1/2")	
13	159-638	1	S/O BR TEE (20S-16H-12H-06S)	
14	159-637	1	S/O RUN TEE (16S-16H-12H)	
15	154-300	2	CONNECTOR (100-12S90)	
16	159-636	1	S/O RUN TEE (12S-12H-12H)	
17	158-576	1	CHECK VALVE (12SF-12SF)	SEE FOOTNOTE 1
18	155-046	2	S/O COUPLER (12S-12H)	
19	154-295	1	BK RUN TEE (080-080-080BK)	
20	158-939	1	FLOW REGULATOR	
21	116-460	AR	BULK HOSE (1", SOLD PER FT)	USE 1 @ 18"
22	111-027	2	T-BOLT CLAMP (1.25" - 1.50")	
23	117-210	1	ABRASION SLEEVE (1.25" X 100")	

FOOTNOTES

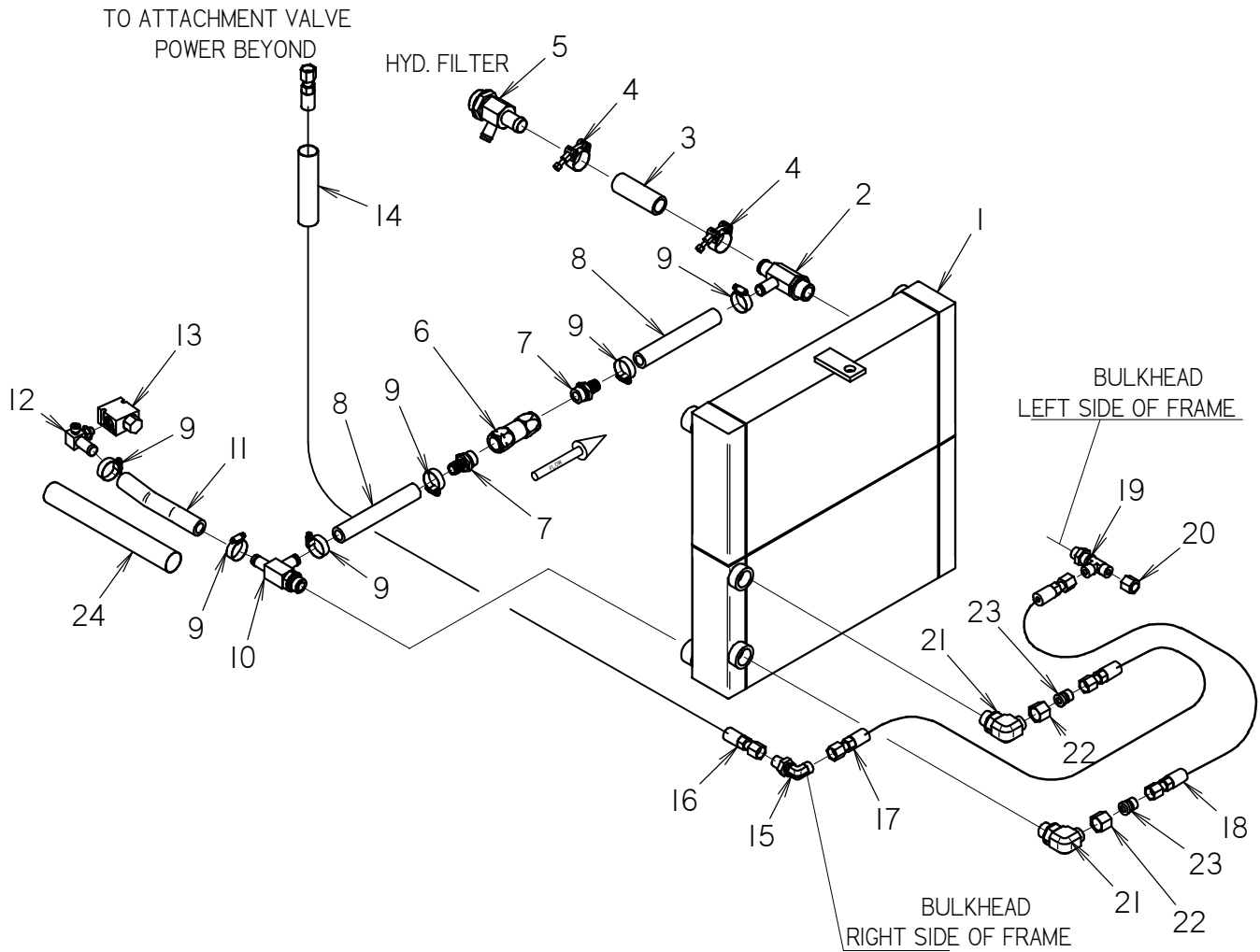
1. NOTE DIRECTION OF ARROW ON CHECK VALVE WITH GRAPHICS ON OPPOSITE PAGE.

NOTE:

REFER TO O-RING CHART (800-3011) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

OIL COOLER HYDRAULICS

RT55 TIER 4i



OIL COOLER HYDRAULICS

RT55 TIER 4i

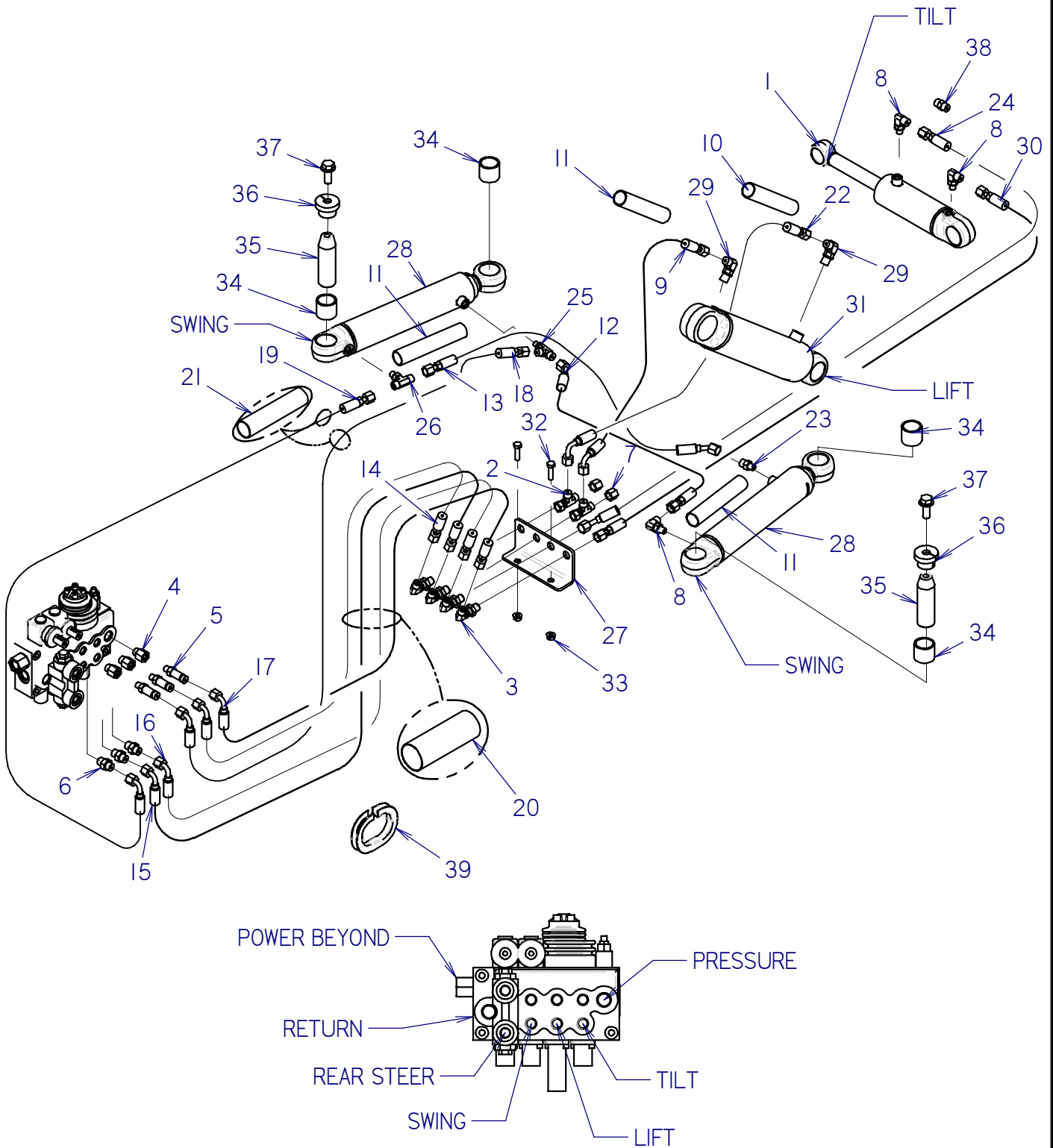
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-913	1	COMB OIL / HOC COOLER	
2	159-637	1	S/O RUN TEE (16S-16H-12H)	
3	116-460	1	BULK HOSE (1", SOLD PER FT)	USE 1 @ 18"
4	111-027	2	T-BOLT CLAMP (1.25" - 1.50")	
5	159-638	1	S/O BR TEE (20S-16H-12H-06S)	
6	158-576	1	CHECK VALVE (12SF-12SF)	NOTE FLOW DIRECTION OF CHECK VALVE
7	155-046	2	S/O COUPLER (12S-12H)	
8	116-636	AR	BULK HOSE (3/4", SOLD PER FT)	USE 2 @ 7.5"
9	110-353	6	WORM CLAMP (3/4" TO 1-1/2")	
10	159-636	1	S/O RUN TEE (12S-12H-12H)	
11	116-636	AR	BULK HOSE (3/4", SOLD PER FT)	USE 1 @ 33"
12	159-682	1	S/O TEE (06S-12H90-060)	
13	158-939	1	FLOW REGULATOR	
14	117-210	1	ABRASION SLEEVE (1.25" X 100")	
15	154-396	1	BK CONNECTOR (080-08090BK)	
16	515-102	1	HOSE (080FX-110"-3000)	
17	154-739	1	HOSE (080FX-32"-3000)	
18	154-739	1	HOSE (080FX-32"-3000)	
19	154-295	1	BK RUN TEE (080-080-080BK)	
20	154-327	1	CAP (080F)	
21	154-300	2	CONNECTOR (100-12S90)	
22	154-310	2	REDUCER NUT (100F)	
23	154-312	2	REDUCER STEM (080)	
24	115-687	28	ABRASION SLEEVE, BLUE, 1.50" (SOLD PER FT)	

NOT SHOWN:

FOOTNOTES:

NOTE:

BACKFILL BLADE HYDRAULICS



BACKFILL BLADE HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	151-228	1	CYL (2" X 1" X 2.16")	
2	154-265	2	UNION RUN TEE (040FX-040-040)	
3	154-355	4	BK CONNECTOR (040-04090BK)	
4	155-254	3	REDUCER (06S-04SF)	
5	154-403	3	CONNECTOR (04S-040, XL)	
6	154-220	3	CONNECTOR (040-06S)	
7	154-296	2	CAP (040F)	
8	154-252	3	CONNECTOR (04S-04090)	
9	515-041	1	HOSE (040FX90-20"-3000)	
10	117-409	1	ABRASION SLEEVE (1.00" X 28")	
11	117-672	3	ABRASION SLEEVE (1.00" X 20")	
12	515-310	1	HOSE (040FX45-22"-5000)	
13	515-310	1	HOSE (040FX45-22"-5000)	
14	154-916	1	HOSE (040FX90S-120"-3000)	
15	154-916	1	HOSE (040FX90S-120"-3000)	
16	154-916	1	HOSE (040FX90S-120"-3000)	
17	154-916	1	HOSE (040FX90S-120"-3000)	
18	154-916	1	HOSE (040FX90S-120"-3000)	
19	154-771	1	HOSE (040FX90-110"-3000)	
20	117-198	1	ABRASION SLEEVE (2.07" X 102")	
21	117-210	1	ABRASION SLEEVE (1.25" X 100")	
22	515-683	1	HOSE (040FX90-28"-3000)	
23	154-278	1	CONNECTOR (04S-040)	
24	154-921	1	HOSE (040FX-54"-3000-AR)	
25	154-316	1	RUN TEE (04S-040-040)	
26	154-293	1	BRANCH TEE (04S-040-040)	
27	322-965	1	BULKHEAD BRACKET	
28	151-057	2	CYL (2.0 X 1.25 X 8.0)	
29	154-226	2	CONNECTOR (040-06S90)	
30	153-973	1	HOSE (040FX45-54"-3000-AR)	
31	151-045	1	CYL (2.5 X 1.25 X 8.0)	
32	106-327	2	SCREW (M8-1.25 X 30MM)	
33	106-386	2	FLG LOCKNUT (M8-1.25)	
34	125-771	4	COMPOSITION BUSHING (1.25")	
35	178-394	2	TAPERED PIN (1.250" X 4.25")	
36	181-982	2	TAPERED INSERT (1.25")	
37	105-830	2	FLG LK BOLT (1/2-NC X 1-1/4")	
38	154-335	1	CONNECTOR (040-040)	
39	116-259	1	BULK EDGE (1/2", SOLD PER 1")	USE 1 @ 8"

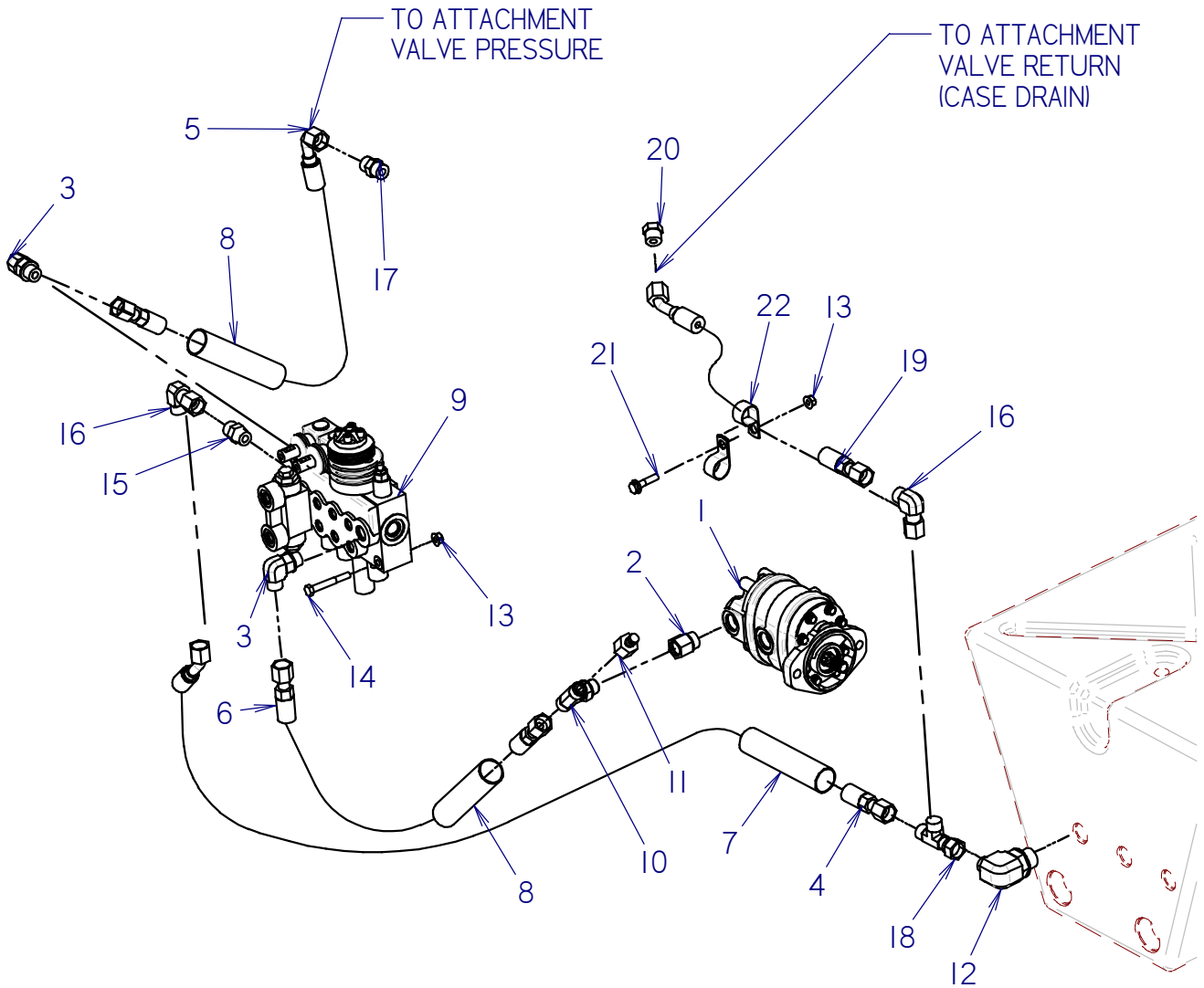
FOOTNOTES:

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

BACKFILL BLADE VALVE HYDRAULICS

RT55



BACKFILL BLADE VALVE HYDRAULICS

RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-956	1	TANDEM HYDRAULIC PUMP	
2	155-193	1	REDUCER (10S-08SF)	
3	154-235	2	CONNECTOR (08S-08090)	
4	154-770	1	HOSE (080FX45-66"-3000)	
5	157-324	1	HOSE (080FX90S-53"-3000)	
6	154-745	1	HOSE (080FX-50"-3000)	
7	117-391	1	ABRASION SLEEVE (1.25" X 66")	
8	117-395	2	ABRASION SLEEVE (1.25" X 50")	
9	159-961	1	HYD CONTROL VALVE (4-SPOOL)	SEE FOOTNOTE 1
10	154-337	1	BRANCH TEE (08S-080-080)	
11	159-158	1	QDC ADAPTER (02-080FX)	
12	154-236	1	CONNECTOR (080-12S90)	
13	106-386	2	FLG LOCKNUT (M8-1.25)	
14	106-570	1	SCREW (M8-1.25 X 60MM)	
15	154-233	1	CONNECTOR (08S-080)	
16	154-256	2	UNION (080-080FX90)	
17	154-274	1	CONNECTOR (080-080)	
18	154-266	1	UNION RUN TEE (080FX-080-080)	
19	515-531	1	HOSE (080FX45S-50"-3000)	
20	154-331	1	PLUG (080)	
21	106-989	1	FLG LK SCREW (M8-1.25 X 35MM)	
22	110-333	2	BOLT-ON CLAMP (1")	

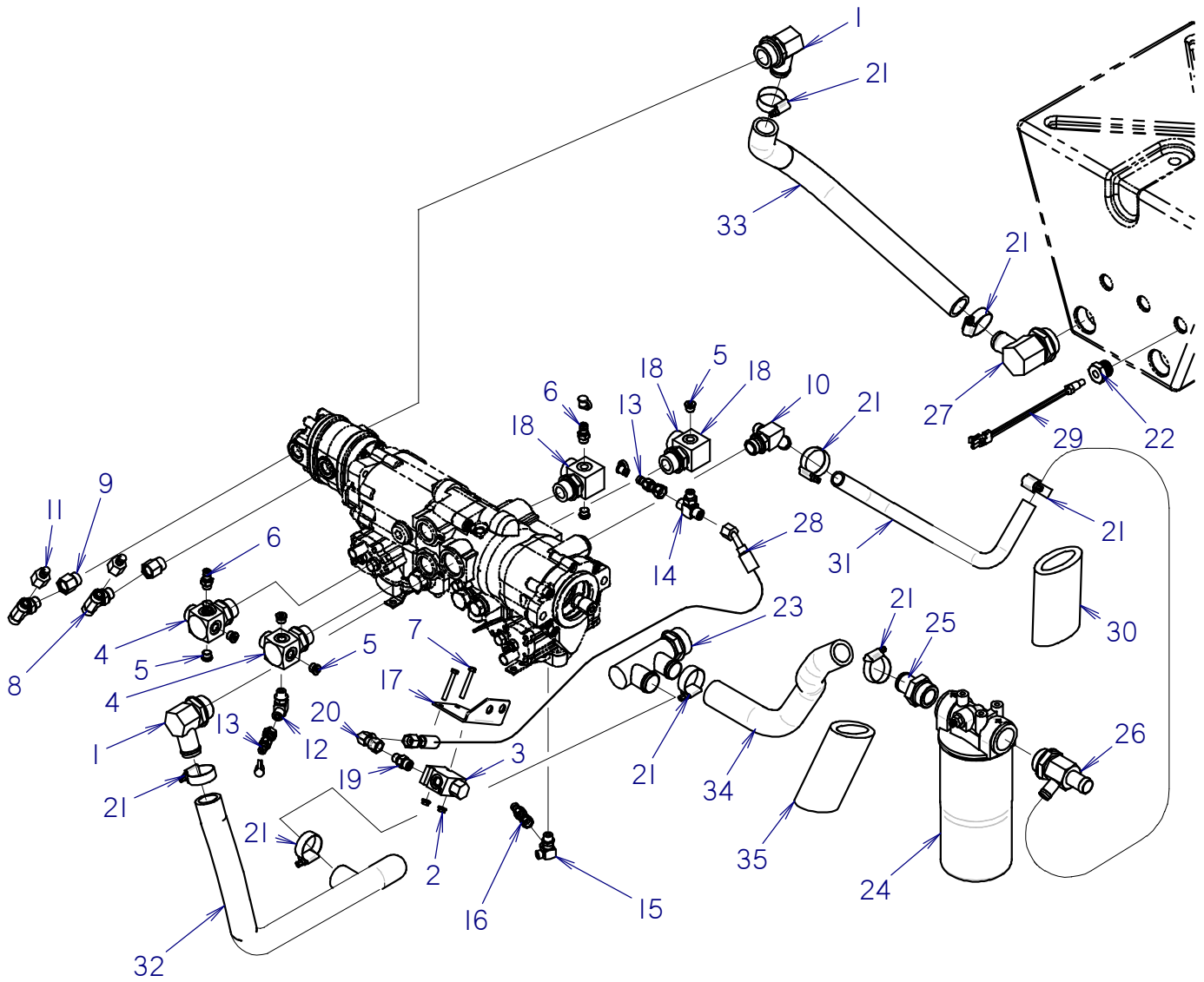
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FOOTNOTES:

- I. 159-961 VALVE IS USED WITH THE REAR STEER OPTION.
- 159-960 VALVE IS USED WITH THE RIGID AXLE OPTION.

NOTE:

PUMP HYDROSTATIC ASSEMBLY RT55



PUMP HYDROSTATIC ASSEMBLY RT55

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	155-168	2	S/O COUPLER (20S-20H90)	
2	106-385	2	FLG LOCKNUT (M6-1.00)	
3	158-939	1	FLOW REGULATOR	
4	149-058	2	RUNTEE(16S-120-06SF-06SF-06SF)	
5	154-384	6	PLUG (06S)	
6	159-147	2	QDC ADAPTER (02-06S)	
7	107-025	2	SCREW (M6-1.00 X 50MM)	
8	154-337	2	BRANCH TEE (08S-080-080)	
9	155-193	2	REDUCER (10S-08SF)	
10	159-644	1	S/O TEE (12S-12H45-08090)	
11	159-158	2	QDC ADAPTER (02-080FX)	
12	154-342	1	CONNECTOR (06S-06090)	
13	159-157	2	QDC ADAPTER (02-060F)	
14	154-346	1	BRANCH TEE (06S-060-060)	
15	154-230	1	BRANCH TEE (06S-040-040)	
16	159-156	1	QDC ADAPTER (02-040F)	
17	322-964	1	BRACKET	
18	514-322	2	CONN (16S-16090-06SF-06SF)	
19	159-388	1	CHECK VALVE (06S-060)	
20	154-228	1	UNION (060-060FX90)	
21	111-011	8	WORM CLAMP (1" TO 1-3/4")	
22	159-688	1	REDUCER (12S-04N)	
23	159-573	1	S/O COUPLER (24S-20H-20H)	
24	157-345	1	HYD OIL FILTER (20SF-20SF)	USE FILTER REPLACEMENT 153-792
25	155-004	1	S/O COUPLER (20S-20H)	
26	159-638	1	S/O BR TEE (20S-16H-12H-06S)	
27	514-184	1	S/O COUPLER (24S-20HSB90)	
28	515-587	1	HOSE (060FX45-20"-3000)	
29	214-854	1	TEMPERATURE SWITCH(1/4NPT,MALE)	
30	115-733	1	ABRASION SLEEVE(SOLD PER FOOT)	USE 30"
31	116-636	1	BULK HOSE, (3/4", SOLD PER 1')	USE 36"
32	116-587	1	BULK HOSE (1-1/4",SOLD PER FT)	USE 29.5"
33	116-587	1	BULK HOSE (1 1/4", SOLD PER FT.)	USE 24.25"
34	116-587	1	BULK HOSE (1-1/4",SOLD PER FT)	USE 19"
35	115-733	1	ABRASION SLEEVE(SOLD PER FOOT)	USE 5"

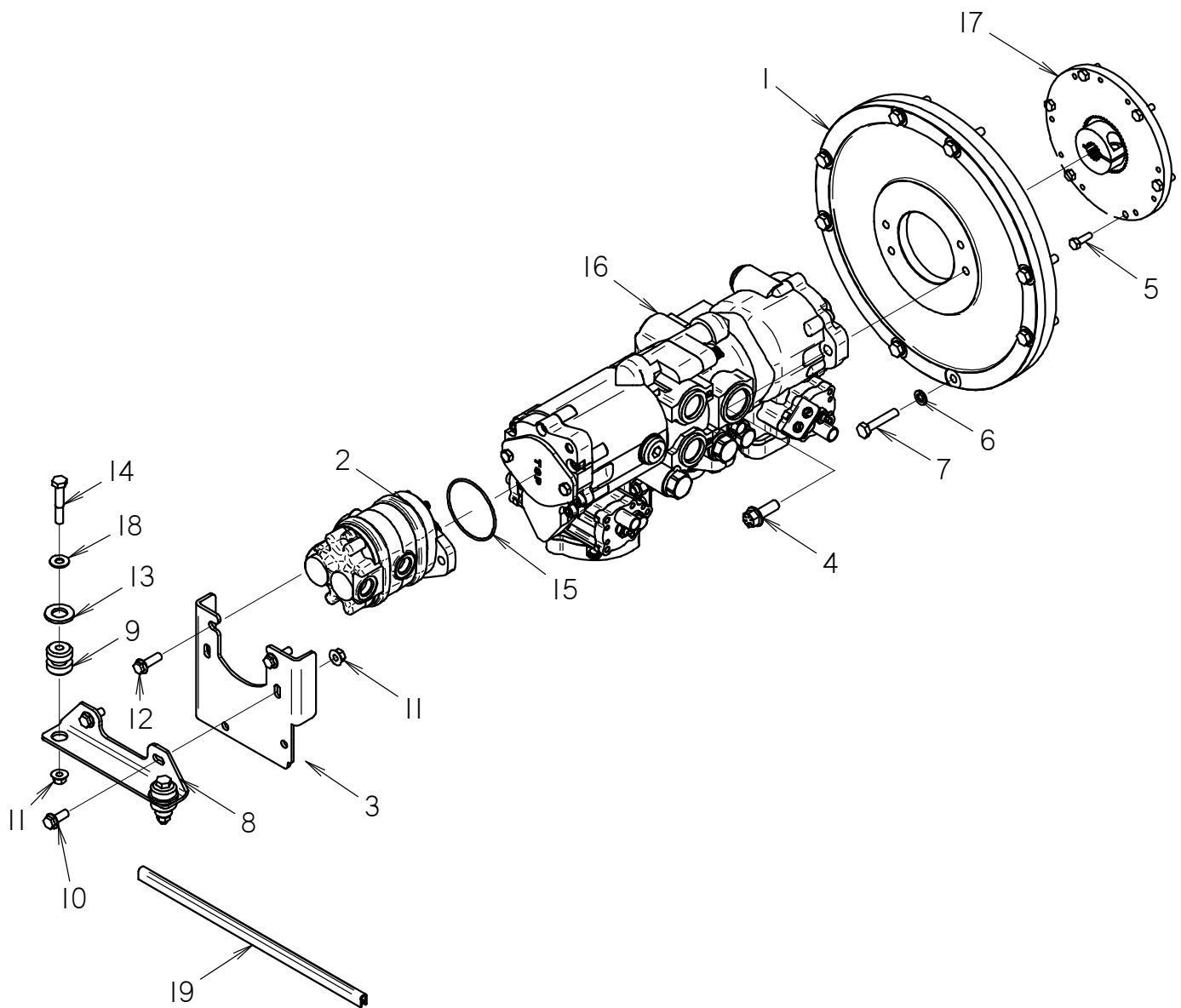
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FOOTNOTES:

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

PUMP MOUNT



PUMP MOUNT

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-763	1	MOUNT PLATE	
2	157-956	1	TANDEM HYDRAULIC PUMP	
3	322-387	1	PUMP SUPPORT PLATE	
4	106-499	2	FLG BOLT (1/2-NC X 1-1/2",GD8)	
5	105-806	6	SCREW (M8-1.25 X 25MM)	USE LOCTITE 242 OR EQUIVALENT
6	105-073	8	LOCK WASHER (7/16")	
7	105-839	8	SCREW (M10-1.50 X 55MM)	
8	328-368	1	PUMP BRACKET	
9	116-128	2	SHOCK MOUNT	
10	107-001	2	FLG LK SCREW (M10-1.50 X 25MM)	
11	106-266	3	FLG NUT (M10-1.50)	
12	105-827	2	FLG LK BOLT (3/8-NC X 1-1/4")	
13	105-975	2	WASHER (3/4")	
14	106-628	2	SCREW (M10-1.50 X 60MM)	
15	157-041	1	O-RING (152 D70)	
16	157-975	1	HYD TANDEM PUMP (PISTON)	STANDARD HYDROSTATIC PUMP, SEE NOTE #1
17	194-413	1	FLYWHEEL/PUMP COUPLING	
18	105-118	2	WASHER (3/8")	
19	115-704	AR	BULK EDGE (1/4", SOLD PER 1")	USE 1 @ 16"

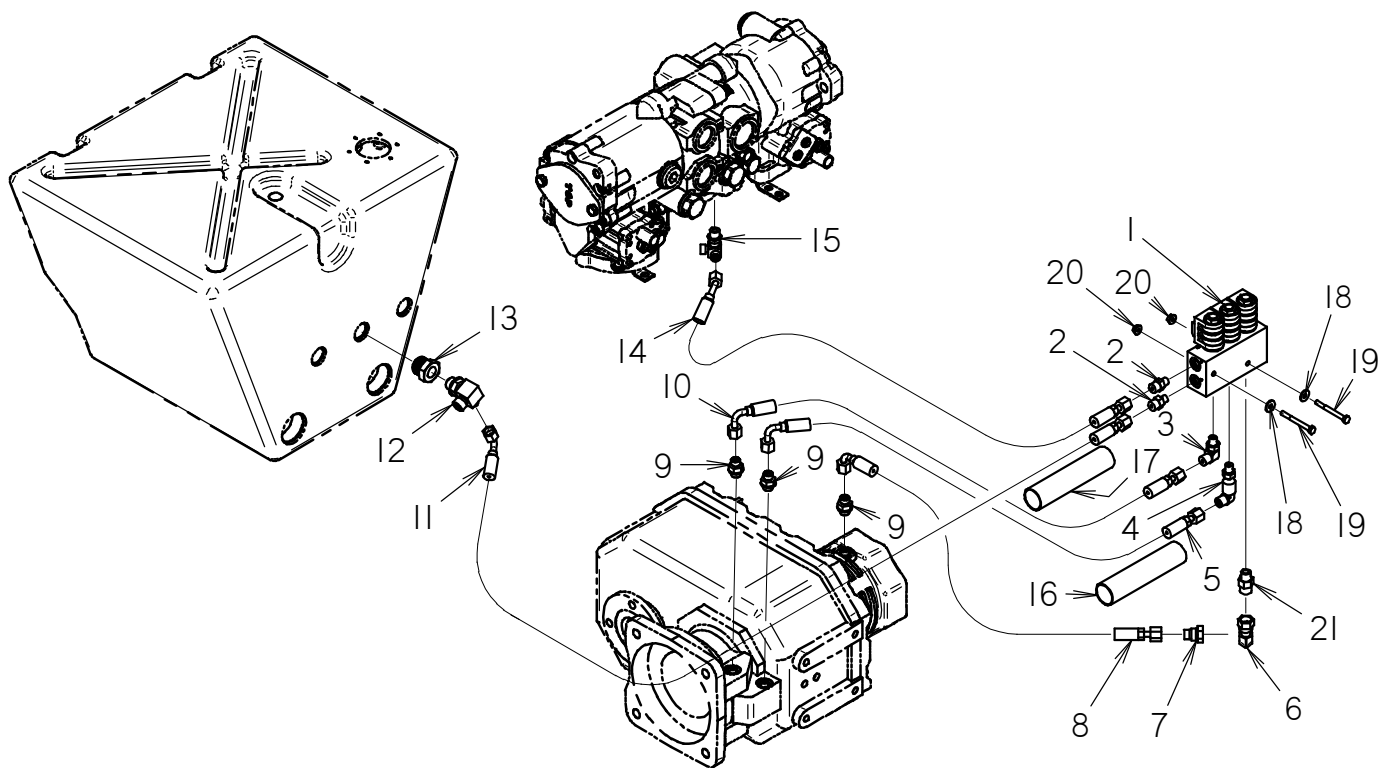
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FOOTNOTES:

NOTE:

#1 CHARGE RELIEF CARTRIDGE SHIM KIT 190-1015

BRAKE/SHIFT MANIFOLD HYDRAULICS



BRAKE/SHIFT MANIFOLD HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	159-554	1	MANIFOLD (3-SP)	SEE FOOTNOTE 1
2	154-278	2	CONNECTOR (04S-040)	
3	154-252	1	CONNECTOR (04S-04090)	
4	154-474	1	CONNECTOR (04S-04090, XL)	
5	515-683	1	HOSE (040FX90-28"-3000)	
6	154-228	1	UNION (060-060FX90)	
7	154-373	1	REDUCER (040-060F)	
8	515-462	1	HOSE (040FX90-22"-3000-AR)	
9	159-558	3	CONN (040-14MM) BONDED SEAL	
10	515-683	1	HOSE (040FX90-28"-3000)	
11	149-252	1	HOSE (040FX90-42"-3000)	
12	514-160	1	BRANCH TEE (08S-080-040)	
13	153-770	1	REDUCER (12S-8SF)	
14	153-491	1	HOSE (040FX45-38"-3000-AR)	
15	154-230	1	BRANCH TEE (06S-040-040)	
16	117-622	1	ABRASION SLEEVE (1.25" X 20")	
17	117-214	1	ABRASION SLEEVE (1.25" X 40")	
18	107-801	2	WASHER (M6)	
19	106-595	2	SCREW (M6-1.00 X 60MM)	
20	106-385	2	FLG LOCKNUT (M6-1.00)	
21	159-599	1	CHECK VALVE(06S-060, .032 ORF)	

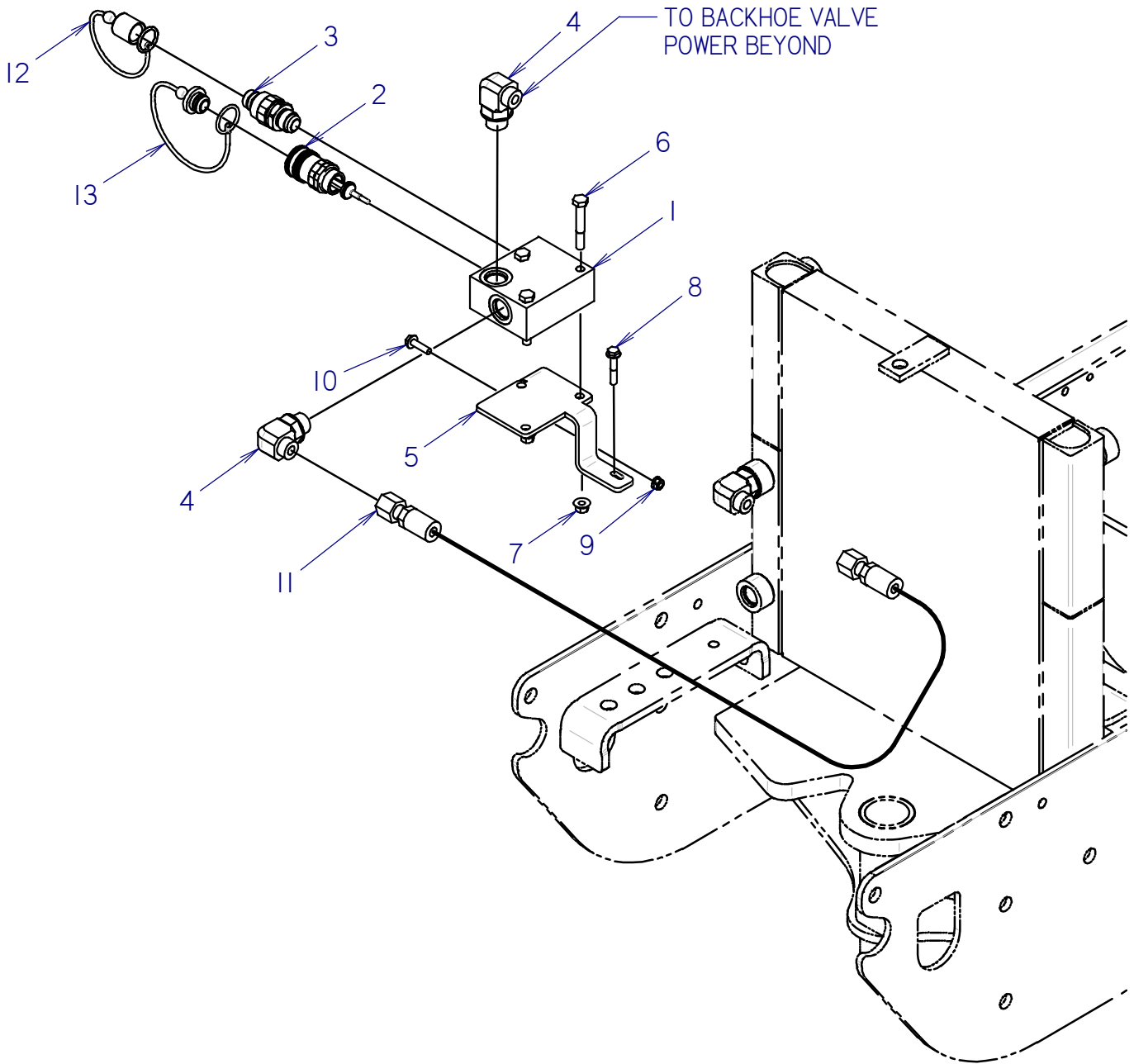
FOOTNOTES

1. USES COIL, 214-491, AS SERVICE PART AT QTY=3

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

RT55 AUXILIARY MANIFOLD KIT WITH BACKHOE ATTACHMENT



RT55 AUXILIARY MANIFOLD KIT WITH BACKHOE ATTACHMENT

REF PART
NO. NUMBER QTY DESCRIPTION REMARKS

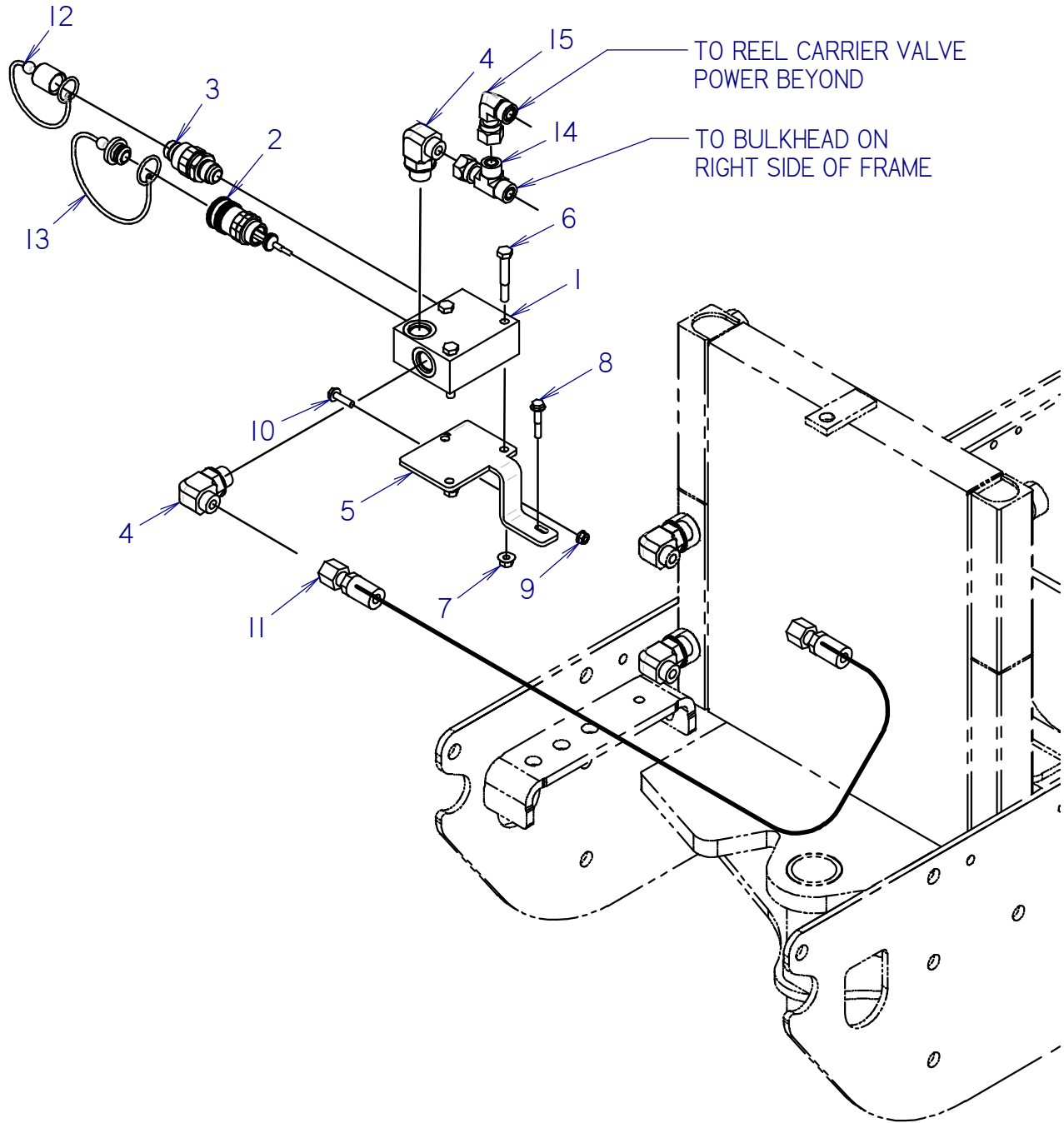
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-379		AUXILIARY MANIFOLD KIT	
1	153-189	1	AUXILIARY MANIFOLD	
2	155-958	1	TRICK QDC BODY (I2-I4S)	
3	155-933	1	QDC ADAPTER (I2-I2S/J)	
4	154-300	2	CONNECTOR (I00-I2S90)	
5	329-844	1	BRACKET	
6	106-332	3	SCREW (M10-I.50 X 70MM)	
7	106-387	3	FLG LOCKNUT (M10-I.50)	
8	106-200	1	FLG LK SCREW (M8-I.25 X 45MM)	
9	106-386	1	FLG LOCKNUT (M8-I.25)	
10	106-163	1	FLG SCREW (M8-I.25 X 30MM)	
11	515-733	1	HOSE (I00FX-27"-3000)	
12	155-935	1	DUST CAP (I/2" - 3/4")	
13	155-936	1	DUST PLUG (I/2" - 3/4")	

NOT SHOWN:

FOOTNOTES:

NOTE:

RT55 AUXILIARY MANIFOLD KIT WITH REEL CARRIER ATTACHMENT



RT55 AUXILIARY MANIFOLD KIT WITH REEL CARRIER ATTACHMENT

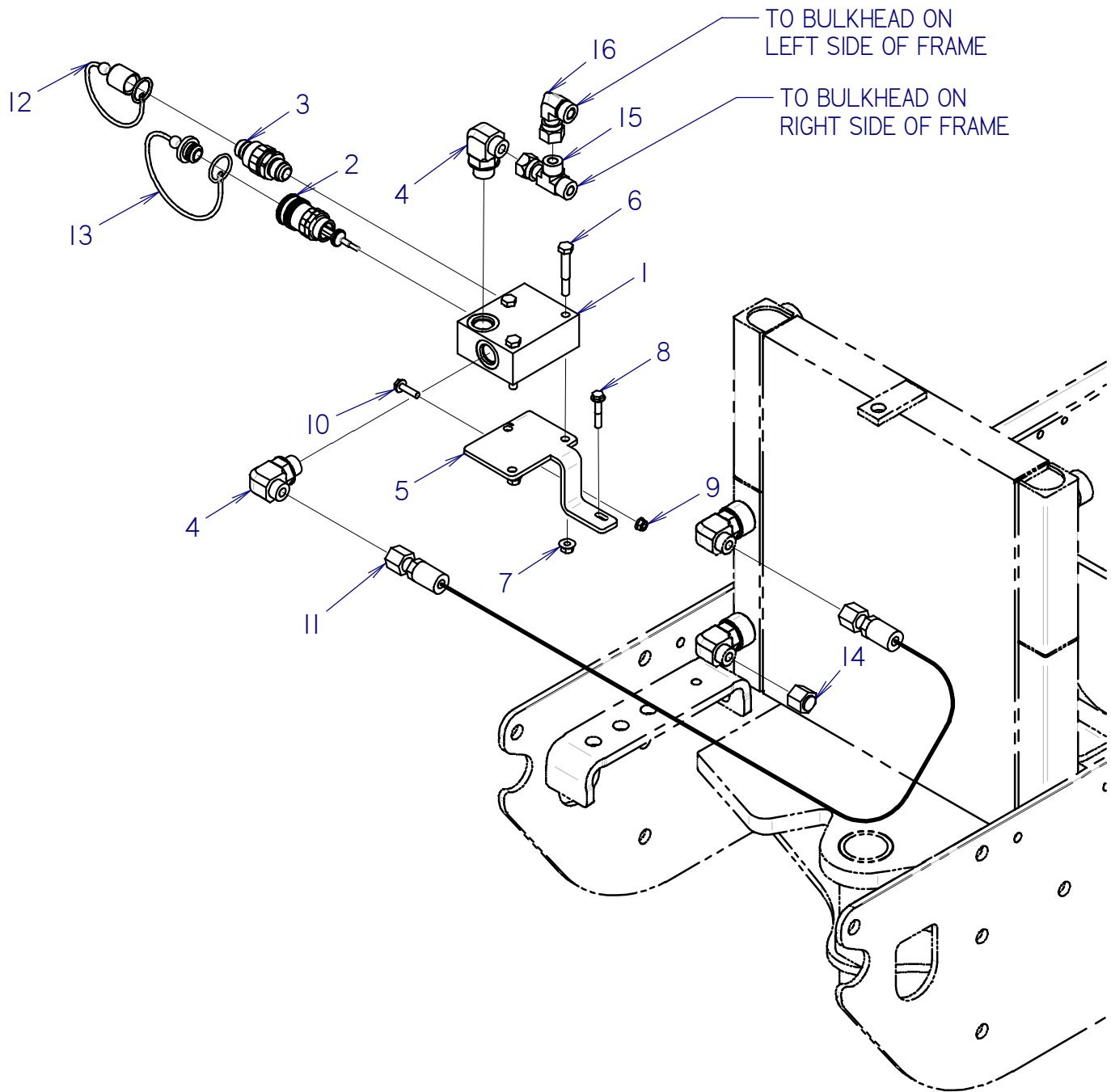
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-379		AUXILIARY MANIFOLD KIT	
1	153-189	1	AUXILIARY MANIFOLD	
2	155-958	1	TRICK QDC BODY (I2-I4S)	
3	155-933	1	QDC ADAPTER (I2-I2S/J)	
4	154-300	2	CONNECTOR (I00-I2S90)	
5	329-844	1	BRACKET	
6	106-332	3	SCREW (M10-1.50 X 70MM)	
7	106-387	3	FLG LOCKNUT (M10-1.50)	
8	106-200	1	FLG LK SCREW (M8-1.25 X 45MM)	
9	106-386	1	FLG LOCKNUT (M8-1.25)	
10	106-163	1	FLG SCREW (M8-1.25 X 30MM)	
11	515-733	1	HOSE (I00FX-27"-3000)	
12	155-935	1	DUST CAP (I/2" - 3/4")	
13	155-936	1	DUST PLUG (I/2" - 3/4")	
14	154-488	1	UN RUN TEE (I00FX-I00-I00)	
15	154-315	1	UNION (I00-I00FX90)	

NOT SHOWN:

FOOTNOTES:

NOTE:

RT55 AUXILIARY MANIFOLD KIT WITH NO FRONT ATTACHMENT



RT55 AUXILIARY MANIFOLD KIT WITH NO FRONT ATTACHMENT

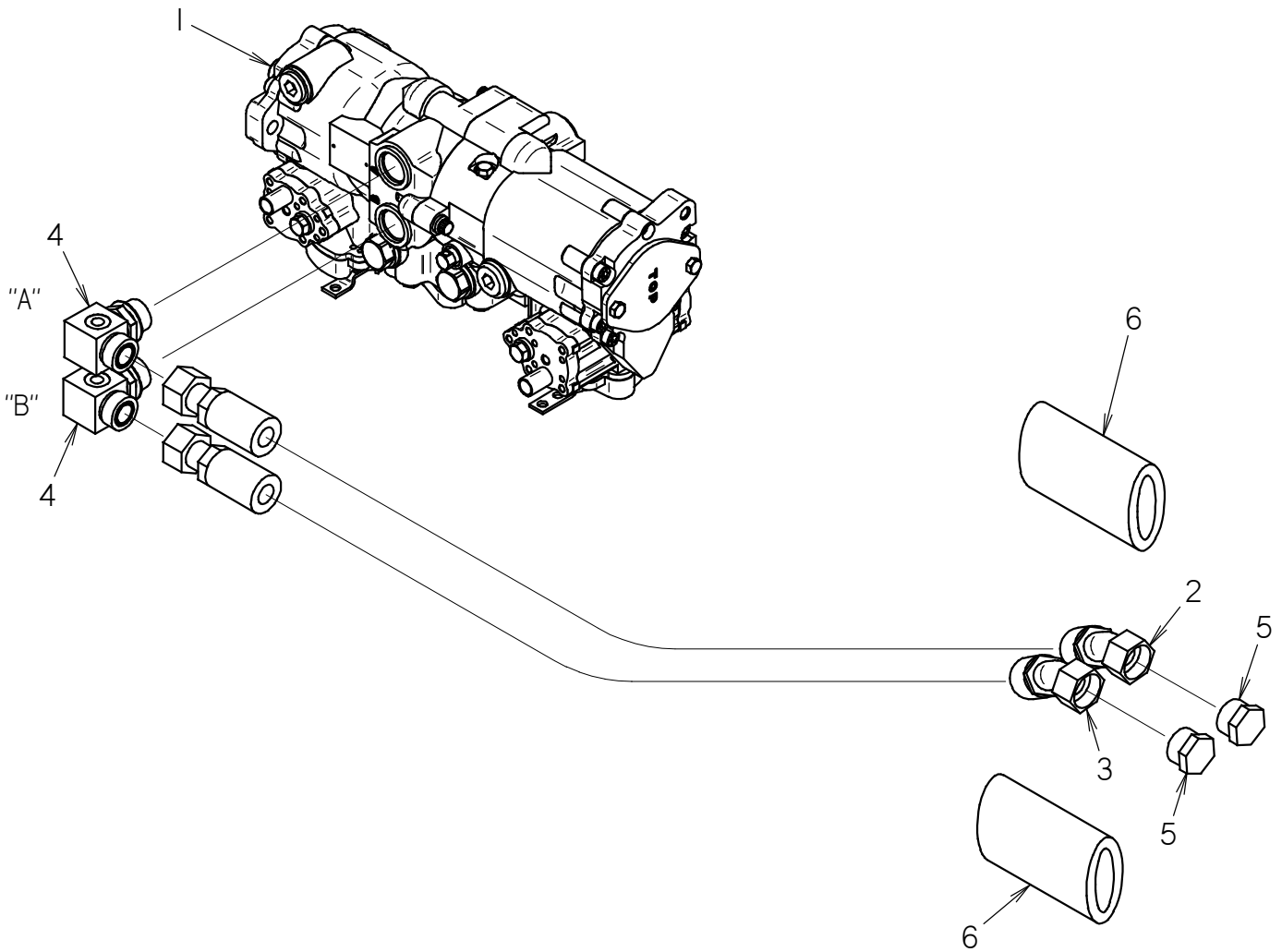
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-379		AUXILIARY MANIFOLD KIT	
1	153-189	1	AUXILIARY MANIFOLD	
2	155-958	1	TRICK QDC BODY (I2-I4S)	
3	155-933	1	QDC ADAPTER (I2-I2S/J)	
4	154-300	2	CONNECTOR (I00-I2S90)	
5	329-844	1	BRACKET	
6	106-332	3	SCREW (M10-1.50 X 70MM)	
7	106-387	3	FLG LOCKNUT (M10-1.50)	
8	106-200	1	FLG LK SCREW (M8-1.25 X 45MM)	
9	106-386	1	FLG LOCKNUT (M8-1.25)	
10	106-163	1	FLG SCREW (M8-1.25 X 30MM)	
11	515-733	1	HOSE (I00FX-27"-3000)	
12	155-935	1	DUST CAP (I1/2" - 3/4")	
13	155-936	1	DUST PLUG (I1/2" - 3/4")	
14	154-324	1	CAP (I00F)	
15	154-488	1	UN RUN TEE (I00FX-I00-I00)	
16	154-315	1	UNION (I00-I00FX90)	

NOT SHOWN:

FOOTNOTES:

NOTE:

ATTACHMENT PUMP HYDRAULICS



ATTACHMENT PUMP HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-975	1	HYD TANDEM PUMP (PISTON)	STANDARD HYDROSTATIC PUMP, FOR EDC OPTION SEE NOT SHOWN.
2	515-362	1	HOSE (160FX45S-49"-6000)	
3	515-362	1	HOSE (160FX45S-49"-6000)	
4	514-322	2	CONN (16S-16090-06SF-06SF)	SEE FOOTNOTE 1
5	154-334	2	PLUG (160)	
6	115-733	1	ABRASION SLEEVE(SOLD PER FOOT)	USE 2 @ 12"

NOT SHOWN:

158-653 1 CRUISE PUMP
 217-258 1 ELECTRIC DISPLACEMENT CONTROL HEAD
 165-728 1 SERVO COVER GASKET

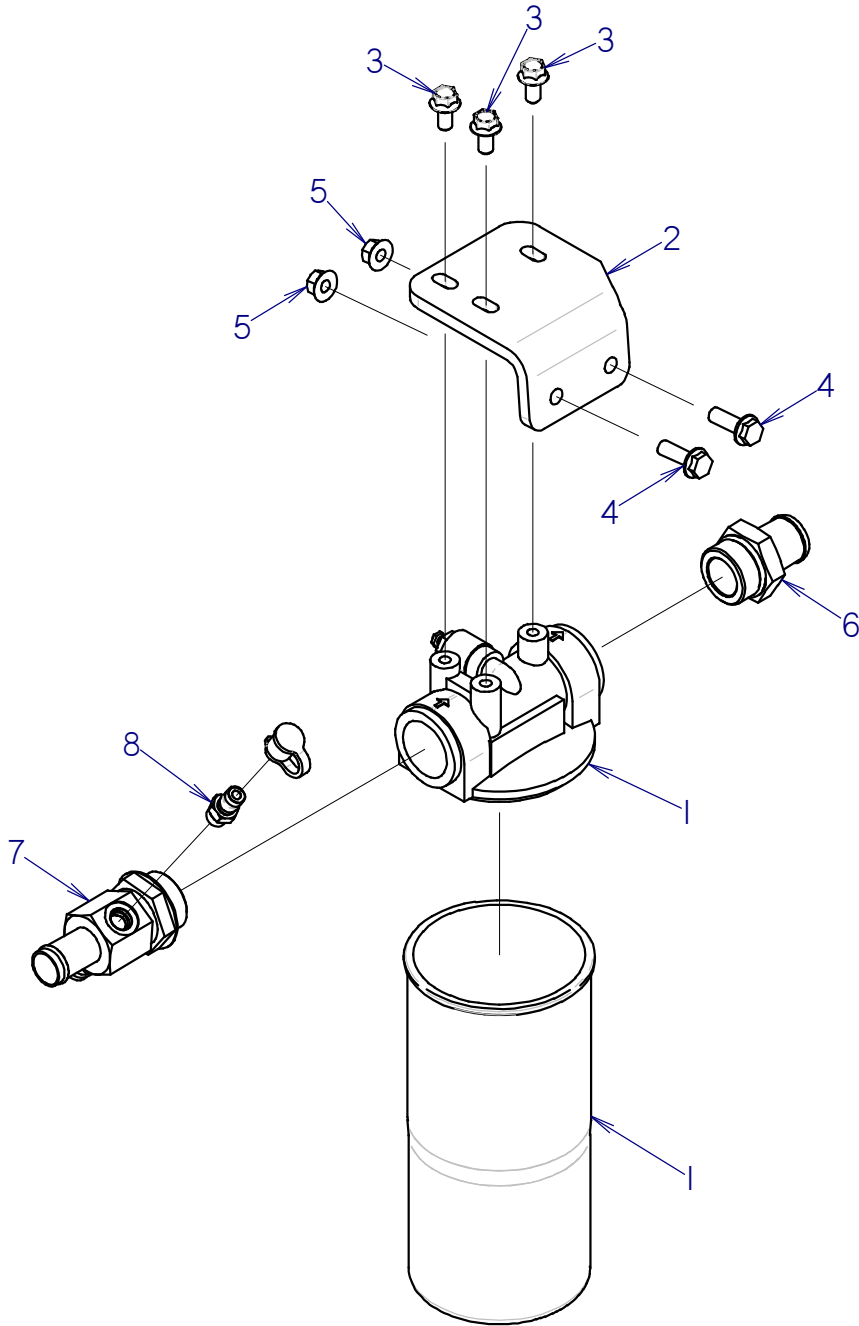
FOOTNOTES:

1. TOP PORT "A" IS FORWARD PRESSURE ON PUMP.

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

HYDRAULIC FILTER



HYDRAULIC FILTER

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-345	1	HYD OIL FILTER (20SF-20SF)	USE FILTER REPLACEMENT 153-792
2	322-940	1	BRACKET	
3	105-825	3	FLG LK BOLT (3/8-NC X 3/4)	
4	107-002	2	FLG LK SCREW (M10-1.50 X 30MM)	
5	106-266	2	FLG NUT (M10-1.50)	
6	155-004	1	S/O COUPLER (20S-20H)	
7	159-638	1	S/O BR TEE (20S-16H-12H-06S)	
8	159-147	1	QDC ADAPTER (02-06S)	

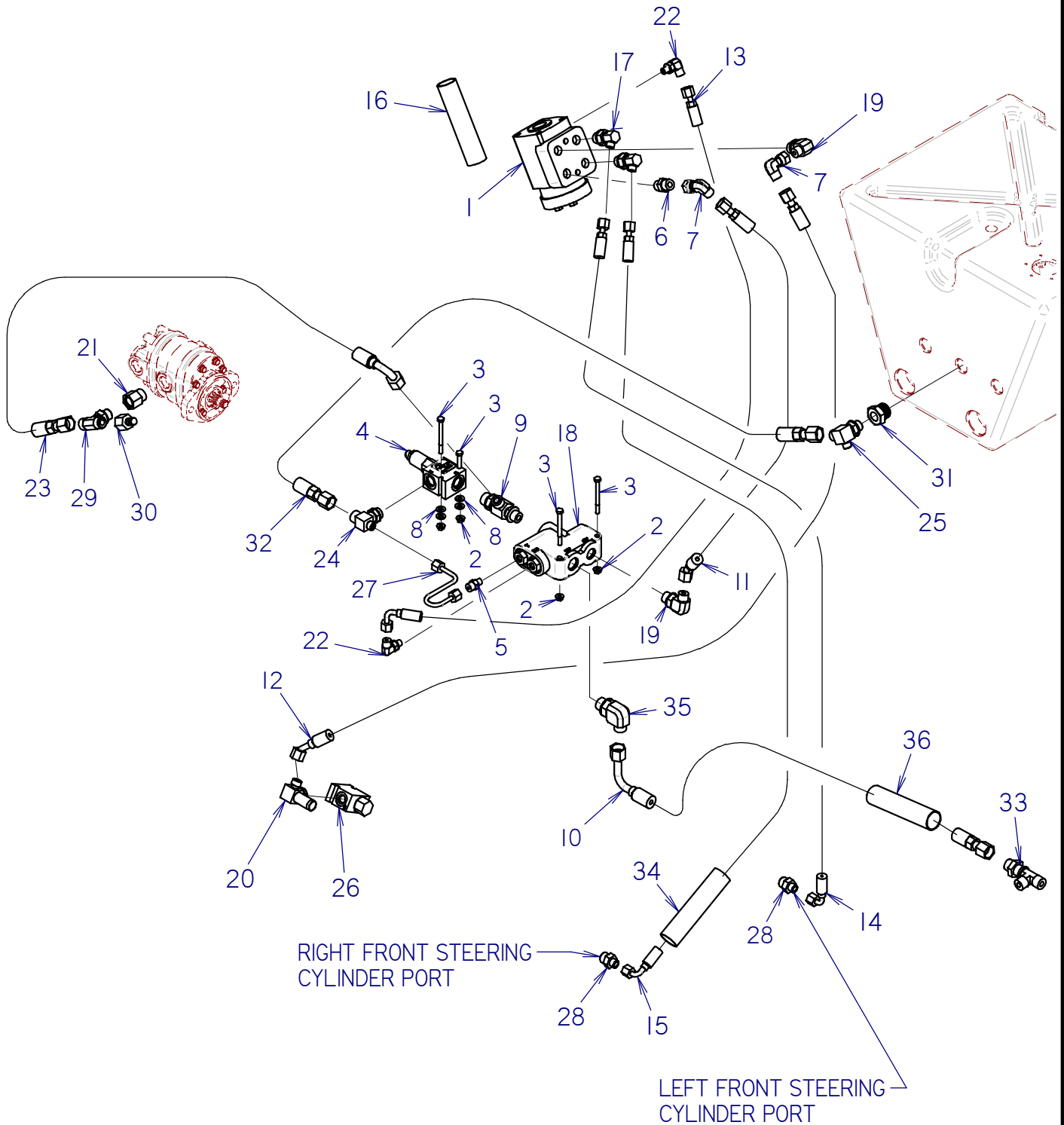
FOOTNOTES

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF THE BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

POWER STEERING VALVE HYDRAULICS

ENDS WITH S/N_CMW RT55H E60000197



POWER STEERING VALVE HYDRAULICS

ENDS WITH S/N_CMW RT55H E60000197

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-974	1	POWER STEERING VALVE	
2	106-385	4	FLG LOCKNUT (M6-1.00)	
3	106-566	4	SCREW (M6-1.00 X 70MM)	
4	158-681	1	RELIEF VALVE (AUXILIARY)	
5	154-278	1	CONNECTOR (04S-040)	
6	154-222	1	CONNECTOR (060-08S)	
7	154-228	2	UNION (060-060FX90)	
8	106-076	4	WASHER (1/4")	
9	514-378	1	BRANCH TEE (080-10S-08S)	
10	515-742	1	HOSE (080FX90L-48"-3000)	
11	159-781	1	HOSE (060FX45S-35"-3000)	
12	157-937	1	HOSE (060FX45-29"-3000)	
13	515-327	1	HOSE (040FX90M-40"-3000)	
14	154-705	1	HOSE (040FX90-60"-3000)	
15	154-705	1	HOSE (040FX90-60"-3000)	
16	117-337	1	ABRASION SLEEVE (1.25" X 25")	SEE FOOTNOTE 1
17	154-276	2	CONNECTOR (040-08S90)	
18	158-901	1	PRIORITY VALVE	SEE FOOTNOTE 3
19	154-227	2	CONNECTOR (060-08S90)	
20	159-682	1	S/O TEE (06S-12H90-060)	
21	155-193	1	REDUCER (10S-08SF)	
22	154-252	2	CONNECTOR (04S-04090)	
23	154-837	1	HOSE (080FX90S-34"-3000)	
24	157-769	1	BRANCH TEE (08S-080-040)	
25	514-160	1	BRANCH TEE (08S-080-040)	
26	158-939	1	FLOW REGULATOR	
27	159-666	1	HYD LINE (1-04)	
28	152-146	2	CONN (040-08S) SHORT	
29	154-337	1	BRANCH TEE (08S-080-080)	
30	159-158	1	QDC ADAPTER (02-080FX)	
31	153-770	1	REDUCER (12S-8SF)	
32	154-674	1	HOSE (080FX-24"-3000)	
33	154-295	1	BK RUN TEE (080-080-080BK)	
34	117-214	1	ABRASION SLEEVE (1.25" X 40")	SEE FOOTNOTE 2
35	154-322	1	CONNECTOR (080-10S90)	
36	117-215	1	ABRASION SLEEVE (1.25" X 46")	

NOT SHOWN:

FOOTNOTES:

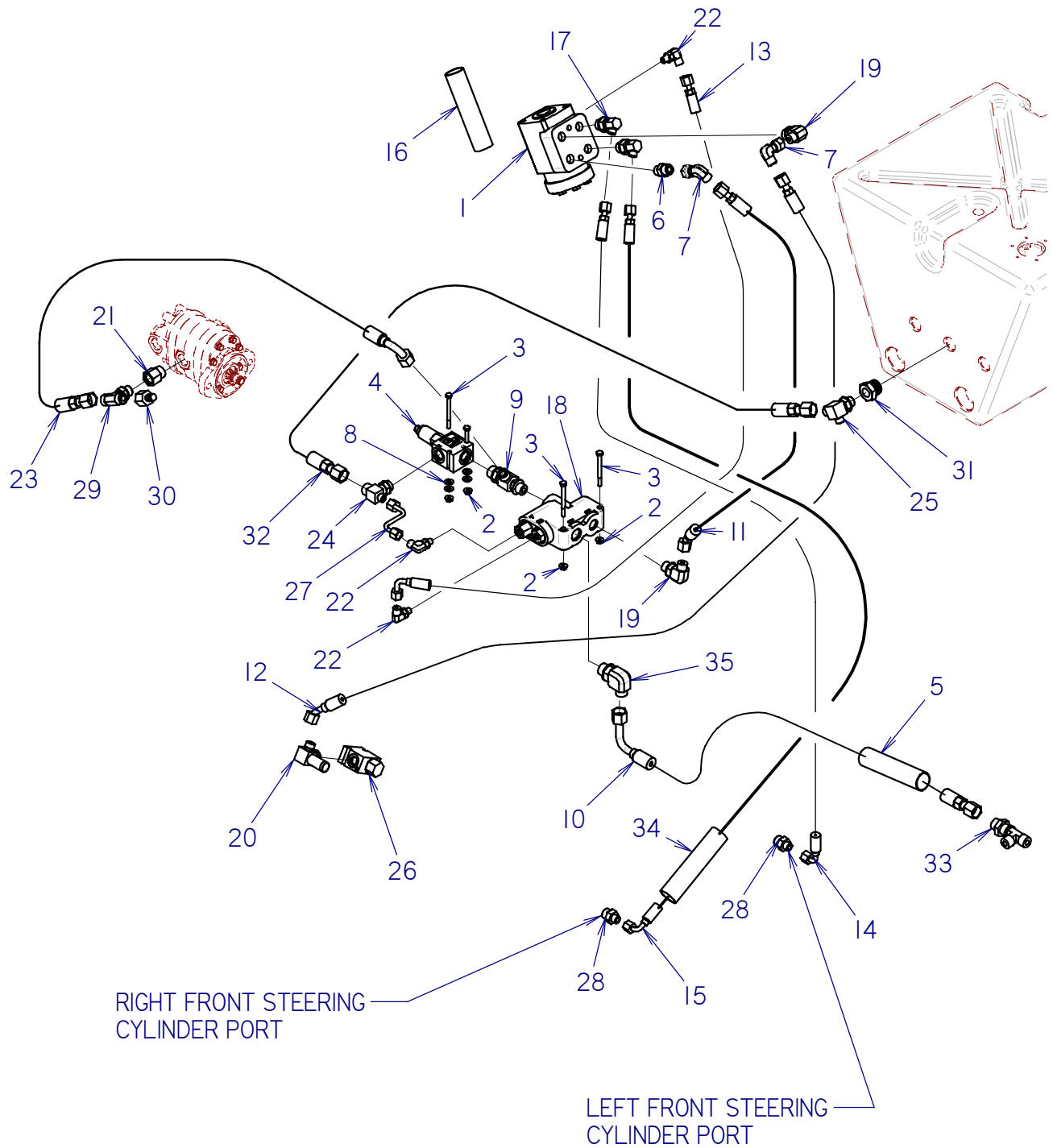
1. USED FOR HOSES ON POWER STEERING VALVE RUNNING THROUGH THE FIREWALL.
2. USED FOR FRONT STEERING CYLINDER HOSES (REF #14 & #15).
3. IF A NEW PRIORITY VALVE (REF #18) IS REQUIRED REFER TO ID0162684 "BEGINS WITH S/N____. FOR PARTS LIST. A NEW HARDLINE WILL ALSO BE REQUIRED AT THIS TIME.

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

POWER STEERING VALVE HYDRAULICS

BEGINS WITH S/N_CMW RT55H E60000198



POWER STEERING VALVE HYDRAULICS

BEGINS WITH S/N_CMW RT55H E60000198

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-974	1	POWER STEERING VALVE	
2	106-385	4	FLG LOCKNUT (M6-1.00)	
3	106-566	4	SCREW (M6-1.00 X 70MM)	
4	158-681	1	RELIEF VALVE (AUXILIARY)	
5	117-215	1	ABRASION SLEEVE (1.25" X 46")	
6	154-222	1	CONNECTOR (060-08S)	
7	154-228	2	UNION (060-060FX90)	
8	106-076	4	WASHER (1/4")	
9	514-378	1	BRANCH TEE (080-10S-08S)	
10	515-742	1	HOSE (080FX90L-48"-3000)	
11	159-781	1	HOSE (060FX45S-35"-3000)	
12	157-937	1	HOSE (060FX45-29"-3000)	
13	515-327	1	HOSE (040FX90M-40"-3000)	
14	154-705	1	HOSE (040FX90-60"-3000)	
15	154-705	1	HOSE (040FX90-60"-3000)	
16	117-337	1	ABRASION SLEEVE (1.25" X 25")	SEE FOOTNOTE 1
17	154-276	2	CONNECTOR (040-08S90)	
18	157-917	1	PRIORITY VALVE	SEE FOOTNOTE 3
19	154-227	2	CONNECTOR (060-08S90)	
20	159-682	1	S/O TEE (06S-12H90-060)	
21	155-193	1	REDUCER (10S-08SF)	
22	154-252	3	CONNECTOR (04S-04090)	
23	154-837	1	HOSE (080FX90S-34"-3000)	
24	157-769	1	BRANCH TEE (08S-080-040)	
25	514-160	1	BRANCH TEE (08S-080-040)	
26	158-939	1	FLOW REGULATOR	
27	150-1416	1	HARDLINE (04)	
28	152-146	2	CONN (040-08S) SHORT	
29	154-337	1	BRANCH TEE (08S-080-080)	
30	159-158	1	QDC ADAPTER (02-080FX)	
31	153-770	1	REDUCER (12S-8SF)	
32	154-674	1	HOSE (080FX-24"-3000)	
33	154-295	1	BK RUN TEE (080-080-080BK)	
34	117-214	1	ABRASION SLEEVE (1.25" X 40")	SEE FOOTNOTE 2
35	154-322	1	CONNECTOR (080-10S90)	

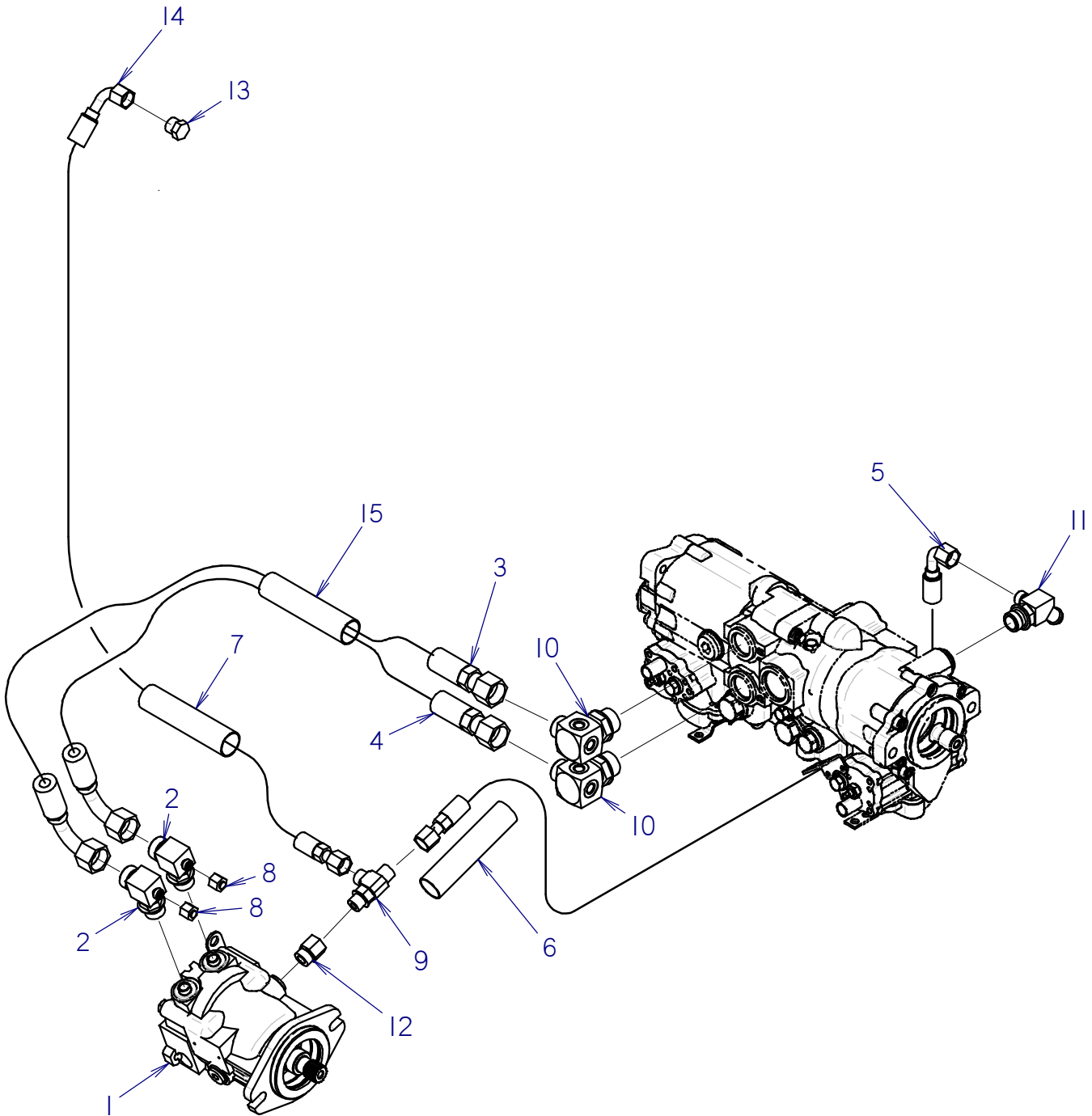
NOT SHOWN:

FOOTNOTES:

1. USED FOR HOSE'S ON POWER STEERING VALVE RUNNING THROUGH THE FIREWALL
2. USED FOR FRONT STEERING CYLINDER HOSE'S (REF #14 & #15)
3. THIS PRIORITY VALVE (157-917) REPLACES 158-901

NOTE:

GROUND DRIVE HYDRAULICS



GROUND DRIVE HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-970	1	HYD MOTOR	SEE FOOTNOTE 1
2	159-667	2	BRANCH TEE (12S-120-040)	
3	159-782	1	HOSE (120FX90S-24"-4000)	
4	149-053	1	HOSE (120FX90S-20"-4000)	
5	515-003	1	HOSE (080FX90-31"-3000)	
6	117-245	1	ABRASION SLEEVE (1.25" X 33")	
7	117-215	1	ABRASION SLEEVE (1.25" X 46")	
8	154-296	2	CAP (040F)	
9	154-299	1	RUN TEE (08S-080-080)	
10	149-058	2	RUNTEE(16S-120-06SF-06SF-06SF)	
11	159-644	1	S/O TEE (12S-12H45-08090)	
12	155-193	1	REDUCER (10S-08SF)	
13	154-331	1	PLUG (080)	
14	154-884	1	HOSE (080FX90-60"-3000)	
15	115-687	1	ABRASION SLEEVE (SOLD PER FOOT)	USE 1 @ 19"

NOT SHOWN:

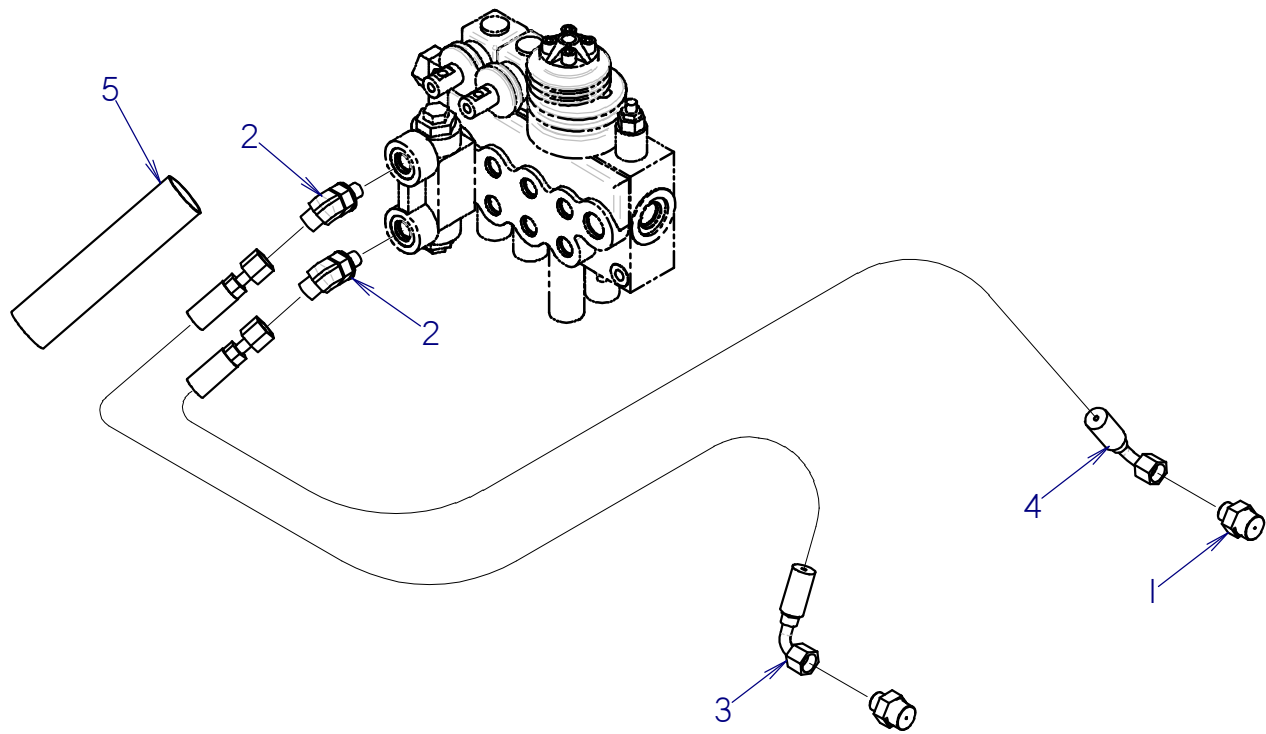
FOOTNOTES:

1. SEAL KIT 500-1561 AVAILABLE AS SERVICE PART FOR 157-970, HYD. MOTOR, REF #1

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

REAR STEER HYDRAULICS



REAR STEER HYDRAULICS

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	159-943	2	CONN (040-08S, .062 ORF) SPEC	SAE THREAD LENGTH .45" & SEE FOOTNOTE 1
2	154-250	2	CONNECTOR (040-06S45)	
3	515-257	1	HOSE (040FX90S-54"-3000)	
4	515-257	1	HOSE (040FX90S-54"-3000)	
5	117-215	1	ABRASION SLEEVE (1.25" X 46")	

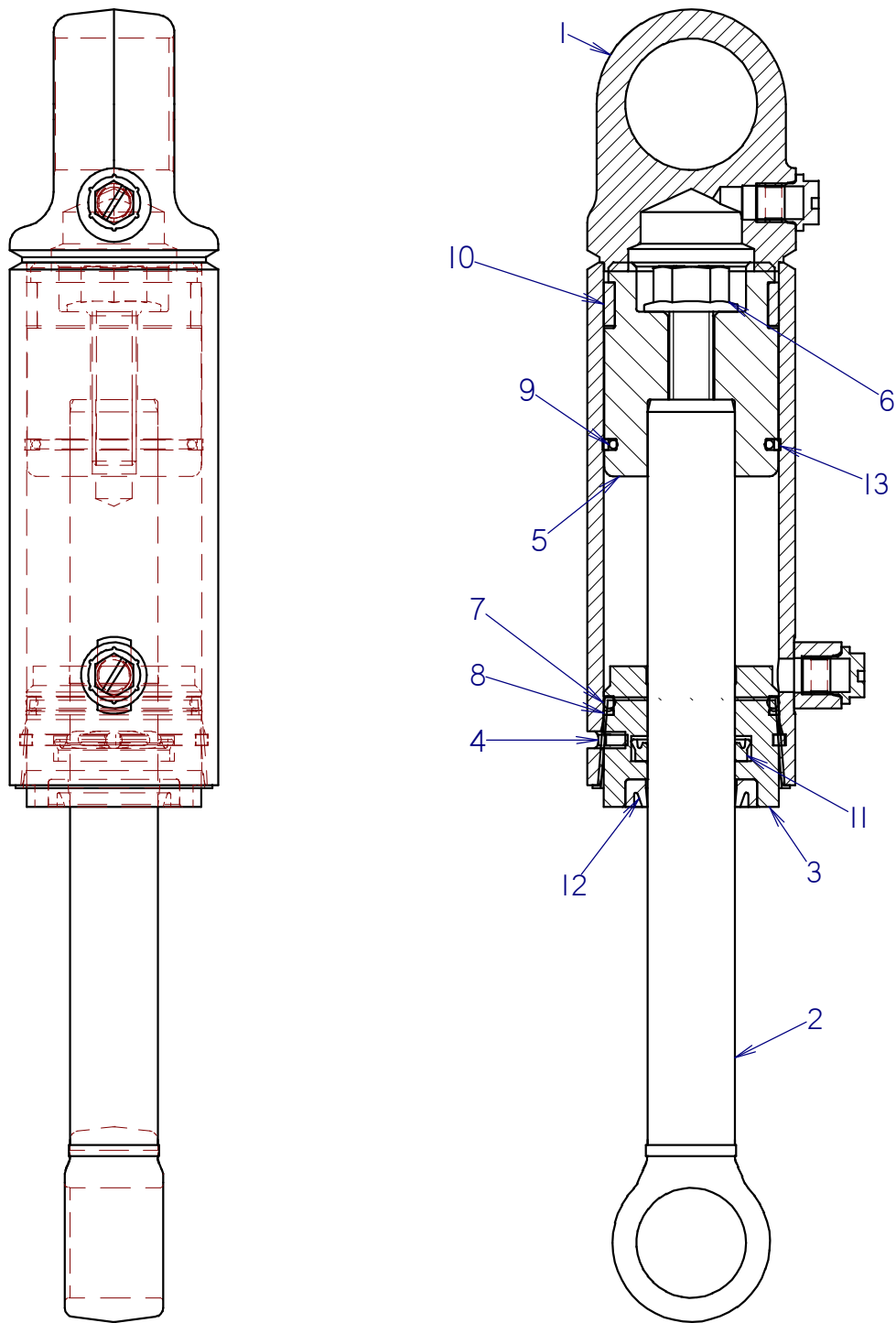
FOOTNOTES

1. USE OF A LONGER THAN .45" CONNECTOR IN THIS POSITION WILL RESULT IN DAMAGE TO THE STEERING CYLINDER ROD.

NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS.

HYDRAULIC CYLINDER (2.0" X 1.0" X 2.16")



HYDRAULIC CYLINDER (2.0" X 1.0" X 2.16")

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	151-228	-	CYL (2" X 1" X 2.16" SPECIAL)	SEE FOOTNOTE 1
1	150-282	1	CYLINDER BARREL (2.0 X 3.0)	
2	150-424	1	CYLINDER ROD (1.00 X 6.0)	
3	150-772	1	CYLINDER HEAD (2.0 X 1.00)	
4	150-778	1	LOCK RING (2.0)	
5	159-617	1	CYLINDER PISTON (2" X 1")	
6	106-096	1	FLG BOLT (1/2-NC X 1-3/4",GD8)	SEE FOOTNOTE 2
7	157-022	1	O-RING (224 D90)	
8	155-732	1	BACKUP RING (224 D90)	
9	157-018	1	O-RING (131 D90)	
10	125-774	1	WEAR RING	
11	157-540	1	U-SEAL (1.000")	
12	157-537	1	WIPER SEAL (1.000")	
13	157-534	1	BACKUP RING (131 D90)	

FOOTNOTES

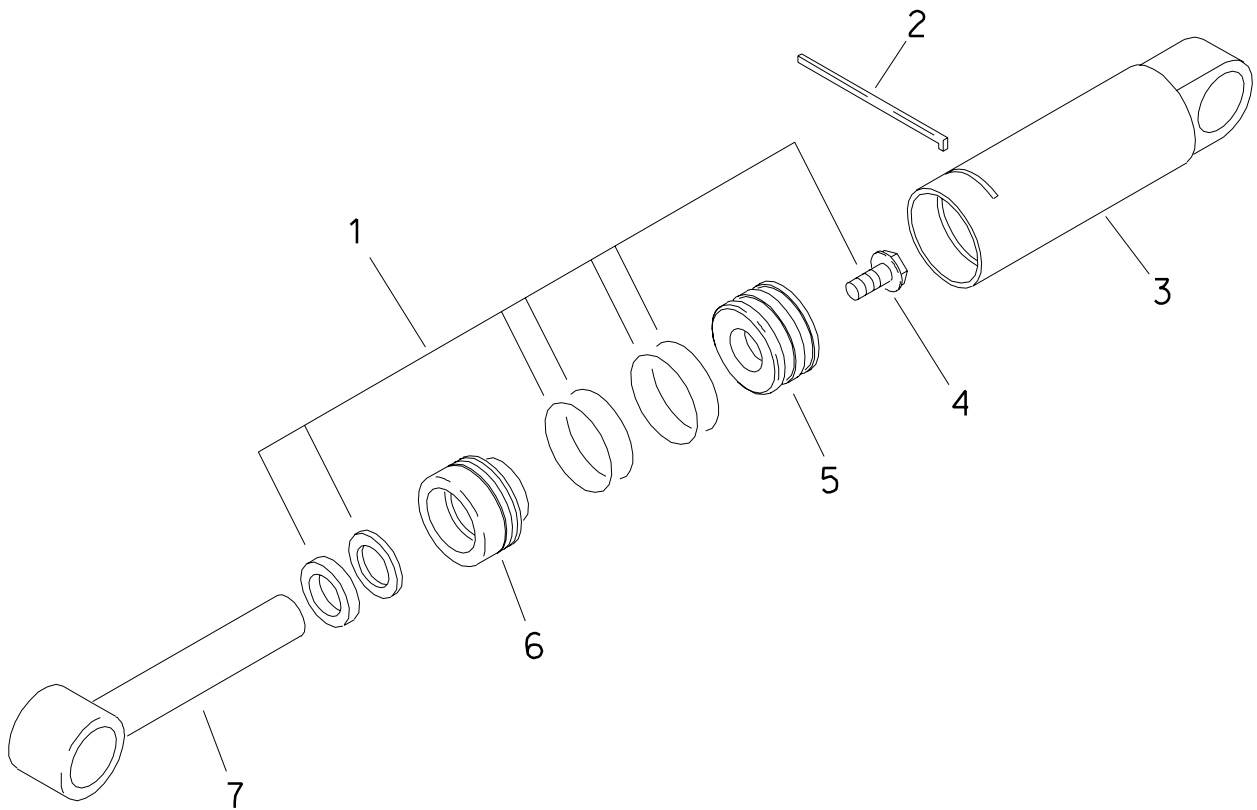
1. SEAL REPAIR KIT P/N: 190-165
2. APPLY LOCTITE 277 OR EQUIVALENT, TORQUE TO 90-100 FT-LBS

NOT SHOWN:

- 259-040 U-SEAL INSTALLER (1.5"-UP)
- 259-239 WIPER/SEAL INSTALLER (2")
- 259-244 PISTON SEAL INSTALLER (3.5")
- 259-245 PISTON INSTALLER (3.5")
- 259-188 CYL HEAD SPANNER -TWO PIN

HYDRAULIC CYLINDER

2" X 1.25" X 8"



HYDRAULIC CYLINDER

2" X 1.25" X 8"

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	151-057		HYD CYLINDER (2" X 1.25" X 8")	INCL REF NO.'S 1 THRU 7
1.	190-169	1	SEAL REPAIR KIT (2.0" X 1.25")	
2.	150-778	1	LOCK RING (2.0")	
3.	150-285	1	CYLINDER BARREL (2")	
4.	106-097	1	FLG BOLT (5/8-NC X 1-3/4", GD8)	SEE FOOTNOTE 1
5.	150-771	1	CYLINDER PISTON (2" X 1.25")	SEE FOOTNOTE 2
6.	150-770	1	CYLINDER HEAD (2" X 1.25")	
7.	150-427	1	CYLINDER ROD	

NOT SHOWN:

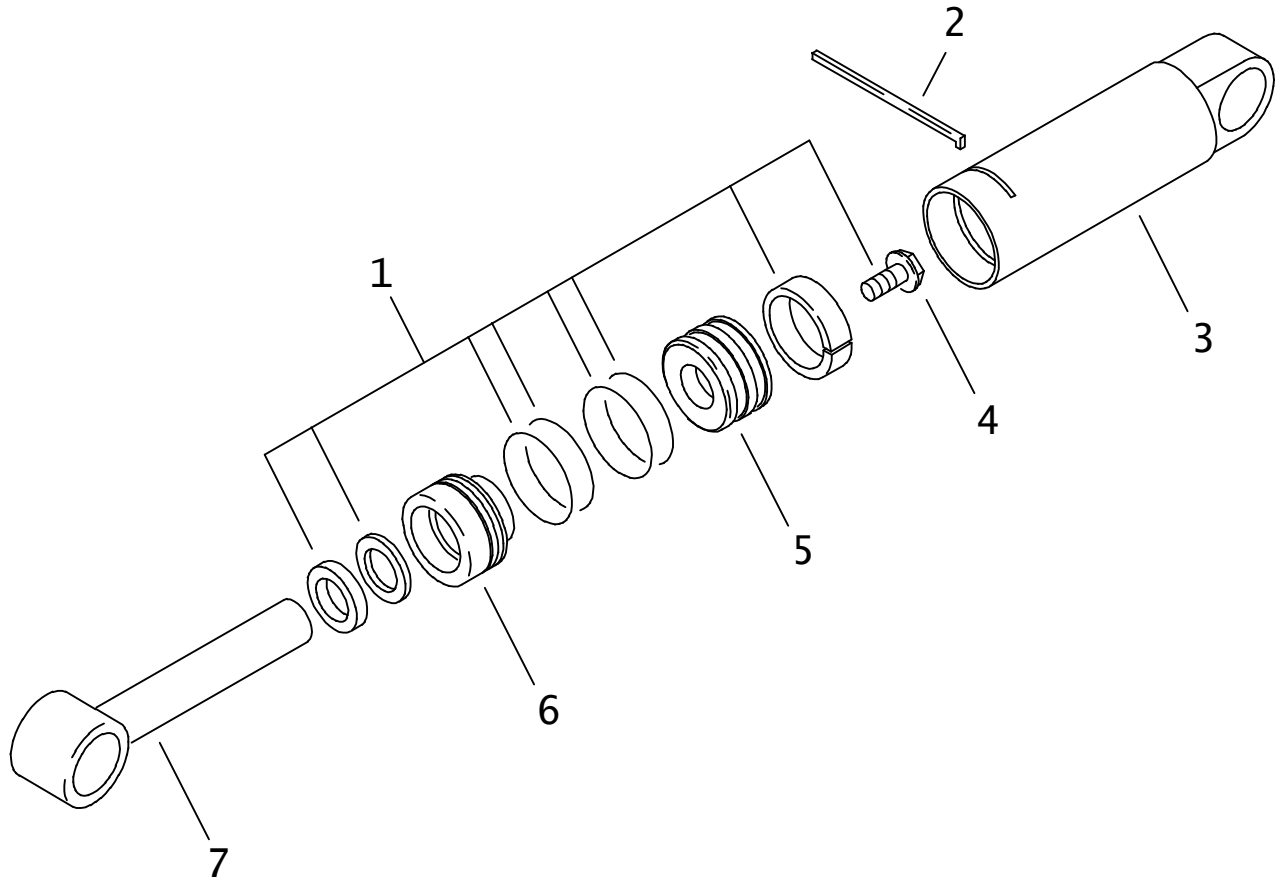
259-100	U-SEAL INSTALLER (1"-1.499")
259-236	WIPER INSTALLER (1.25")
259-239	WIPER/SEAL INSTALLER (2")
259-241	PISTON INSTALLER (2")
259-188	CYLINDER HEAD SPANNER - TWO PIN

FOOTNOTES

1. USE LOCTITE 277, AND TORQUE TO 180-200 FT-LBS (245-270 N.M)
2. INCLUDES MOLDED-ON WEAR RING, H.P. SEAL, AND O-RING.

HYDRAULIC CYLINDER

2.5" X 1.25" X 8.0



HYDRAULIC CYLINDER

2.5" X 1.25" X 8.0

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	151-045		CYLINDER (2.5" X 1.25" X 8")	INCL REF NO.'S 1 THRU 7
1.	190-166	1	SEAL REPAIR KIT (2.5" X 1.25")	
2.	150-779	1	LOCK RING (2.5")	
3.	150-295	1	CYLINDER BARREL (3")	
4.	106-097	1	FLG BOLT (5/8-NC X 1-3/4", GD8)	SEE FOOTNOTE 1
5.	150-776	1	CYLINDER PISTON (2.5" X 1.25")	
6.	150-773	1	CYLINDER HEAD (2.5" X 1.25")	
7.	150-427	1	CYLINDER ROD (1.25")	

NOT SHOWN:

259-100	U-SEAL INSTALLER (1" - 1.4")
259-236	WIPER INSTALLER (1.25")
259-242	PISTON SEAL INSTALLER (2.5")
259-243	PISTON INSTALLER (2.5")
259-188	CYLINDER HEAD SPANNER - TWO PIN

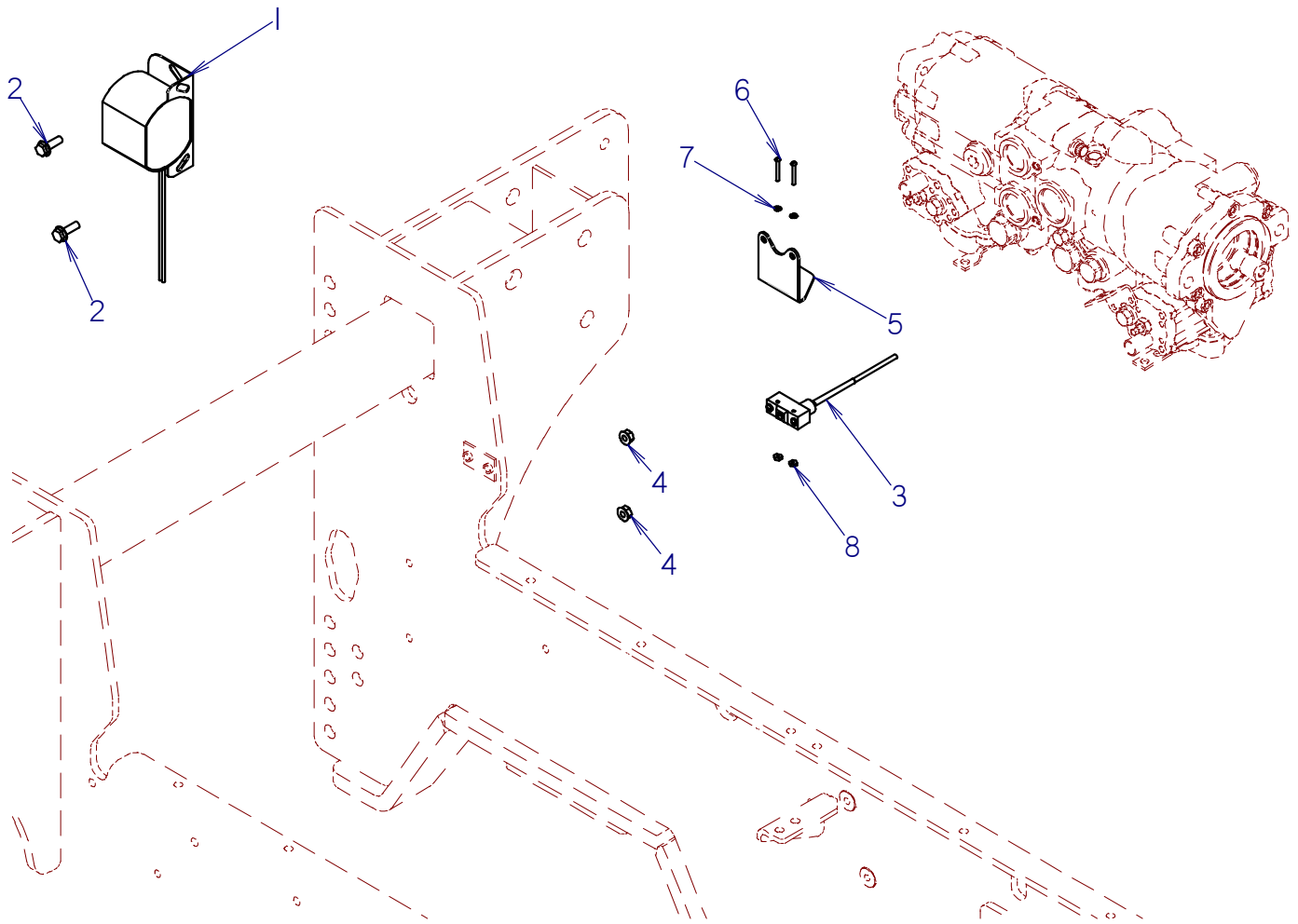
FOOTNOTES:

- I. LUBRICATE WITH WD-40 OR EQUAL TORQUE TO 180-200 FT-LBS (245-270 N.M)

NOTE:

ELECTRICAL

BACKUP ALARM



BACKUP ALARM

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	306-602	1	ALARM	
2	106-381	2	FLG LK SCREW (M8-1.25 X 25MM)	
3	217-703	1	OMNI LEVER SWITCH	
4	106-386	2	FLG LOCKNUT (M8-1.25)	
5	325-289	1	ALARM SWITCH BRACKET	
6	106-058	2	BOLT (#6-32 X 1-1/8", RD SLT)	
7	106-040	2	EXT STAR WASHER (#6)	
8	105-215	2	NUT (#6-32)	

FOOTNOTES

1. 191-380 BACKUP ALARM KIT (W/CRUISE) INCL. REF. # 1-2, 4
2. 191-381 BACKUP ALARM KIT (W/O CRUISE) INCL. REF. # 1-8

NOTE:

MISCELLANEOUS

SAE Bolt and Nut Torque Value Chart

Grade 5: UNC or UNF Thread

Size	Hex nut, or bolt tapped into hex nut, or d&t hole		Hex top deformed locknut		Flange nut, locknut, or bolt tapped into flange nut or d&t* hole	
	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m
1/4	12	16	8	11	20	27
5/16	25	34	15	20	45	60
3/8	40	54	25	34	75	100
7/16	65	90	40	55	125	170
1/2	100	135	60	80	190	260
9/16	150	200	90	125	270	370
5/8	200	270	120	165	370	500
3/4	350	475	210	285	650	880
7/8	560	760	340	460	1250	1425
1	840	1140	500	680	1580	2145
1-1/8	1030	1400	320	840	1950	3645
1-1/4	1460	1980	880	1195	2760	3475

Grade 8: UNC or UNF Thread

Size	Hex nut, or bolt tapped into hex nut, or d&t hole		Hex top deformed locknut		Flange nut, locknut, or bolt tapped into flange nut or d&t* hole	
	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m
1/4	14	19	10	14	24	33
5/16	30	40	18	25	50	70
3/8	55	73	35	50	90	125
7/16	85	115	50	70	140	190
1/2	130	175	80	110	220	300
9/16	190	260	110	150	310	420
5/8	260	355	160	245	430	585
3/4	450	610	270	365	750	1015
7/8	730	990	440	600	1210	1640
1	1090	1480	650	880	1320	2465
1-1/8	1550	2100	930	1260	2580	3500
1-1/4	2180	2955	1310	1780	3640	4935

*drilled and tapped

Metric Bolt and Cap Screw Torque Values

Size	Class 4.8				Class 8.8 and 9.8				Class 10.9				Class 12.9			
	Lubricated		Dry		Lubricated		Dry		Lubricated		Dry		Lubricated		Dry	
	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb	N•m	ft•lb
M6	4.8	3.5	6	4.5	9	6.5	11	8.5	13	9.5	17	12	15	11.5	19	14.5
M8	12	8.5	15	11	22	16	28	20	32	24	40	30	37	28	47	35
M10	23	17	29	21	43	32	55	40	63	47	80	60	75	55	95	70
M12	40	29	50	37	75	55	95	70	110	80	140	105	130	95	165	120
M14	63	47	80	60	120	88	150	110	175	130	225	165	205	150	260	190
M16	100	73	125	92	190	140	240	175	275	200	350	225	320	240	400	300
M18	135	100	175	125	260	195	330	250	375	275	475	350	440	325	560	410
M20	190	140	240	180	375	275	475	350	530	400	675	500	625	460	800	580
M22	260	190	330	250	510	375	650	475	725	540	925	675	850	625	1075	800
M24	330	250	425	310	650	475	825	600	925	675	1150	850	1075	800	1350	1000
M27	490	360	625	450	950	700	1200	875	1350	1000	1700	1250	1600	1150	2000	1500
M30	675	490	850	625	1600	950	1650	1200	1850	1350	2300	1700	2150	1600	2700	2000
M33	900	675	1150	850	1750	1300	2200	1650	2500	1850	3150	2350	2900	2150	3700	2750
M36	1150	850	1450	1075	2250	1650	2850	2100	3200	2350	4050	3000	3750	2750	4750	3500

Do not use these values if a different torque value or tightening procedure is given for specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical property class fasteners.

Fasteners should be replaced with the same or higher property class. If higher property class fasteners are used, these should only be tightened to strength of original.

Make sure fastener threads are clean and that the threads are properly started. This will prevent them from cross threading or galling when tightened.

Tighten plastic insert or crimped type steel locknuts to approximately 50% of dry torque indicated on chart. Apply torque to the nut - not the bolt head. Tighten toothed or serrated type locknuts to full torque value.

LUBRICATED means coated with lubricant. DRY means plain or zinc plated without any type of lubricant.

Hydraulic Cylinder Bolt Torque Chart

Bolt Size (inch)	Bolt Part No.	Cylinder Repair Kit Part No.	Torque (ft•lb)	Torque (N•m)
1/2	106-096	190-165	90-100	120-135
5/8	106-097	190-166 & 190-169	180-200	245-270
3/4	106-098	190-167 & 190-170	290-325	395-440
7/8	106-122	190-172 & 190-174	410-640	550-625
1	106-145	190-175 & 190-189	630-700	855-950
1-1/8	106-146	190-177	770-850	1045-1170

As a general rule:

- 1/2-inch bolts are used in cylinders with 1-inch rods
- 5/8-inch bolts are used in cylinders with 1 1/4-inch rods
- 3/4-inch bolts are used in cylinders with 1 1/2-inch rods
- 7/8-inch bolts are used in cylinders with 1 3/4-inch rods
- 1-inch bolts are used in cylinders with 2-inch rods (one with 1 3/4-inch)
- 1-1/8-inch bolts are used in cylinders with 2-1/4-inch rods

IMPORTANT: Do not reuse cylinder piston bolts when rebuilding a hydraulic cylinder. Each cylinder repair kit contains a new bolt. Use it. Lubricate lightly and torque to value shown on chart.

SAE & ORS Hydraulic Fitting Replacement O-Ring Chart

Fraction Size	Dash Size	SAE (Port Seal O-Ring)		ORS (Face Seal O-Ring)	
		Thread Size	O-Ring P/N	Thread Size	O-Ring P/N
1/16	1	NA	NA	NA	NA
1/8	2	5/16 - 24	NA	NA	NA
3/16	3	3/8 - 24	NA	NA	NA
1/4	4	7/16 - 20	155-760	9/16 - 18	157-037
5/16	5	1/2 - 20	NA	NA	NA
3/8	6	9/16 - 18	155-705	11/16 - 16	157-038
1/2	8	3/4 - 16	155-706	13/16 - 16	157-039
5/8	10	7/8 - 14	155-707	1 - 14	157-040
3/4	12	1-1/16 - 12	155-709	1-3/16 - 12	157-017
7/8	14	1-3/16 - 12	155-747	NA	NA
1	16	1-5/16 - 12	155-748	1-7/16 - 12	155-714
1-1/4	20	1-5/8 - 12	155-702	1-11/16 - 12	NA
1-1/2	24	1-7/8 - 12	157-001	2 - 12	NA
2	32	2-1/2 - 12	NA	NA	NA
2-1/2	40	3 - 12	NA	NA	NA
3	48	3-1/2 - 12	NA	NA	NA

Thread size indicates the diameter of the threaded area in fractions of an inch and number of threads per inch.

NA = not a current CMW part numbered o-ring, or dash size does not occur in current CMW applications

SAE = straight thread fitting that seals by sandwiching a hard o-ring between a shoulder on the male part and an angular surface at the mouth of the female port.

ORS = o-ring face seal; a type of fitting that seals by compressing a hard, captive o-ring between two flat parallel faces, one grooved for the o-ring and the other plain to act as the sealing surface

RT55H

Related Publications

Component	Ass'y	P/N
Model:		
RT55	Parts Manual	053-118
RT55	Operators Manual	054-124
RT55	Repair Guide (Service Manual)	N/A
RT55	Technical Supplement	053-119
Engine:		
Deutz	Parts Manual – F4M2011	194-103 053-115
Deutz.....	Operators Manual - F4M2011.....	054-115
Deutz.....	Service (Shop) Manual - F4M2011	055-074

Filters

Engine:		
Air Filter Parts Ass'y		194-279
Element (primary)		194-759
Element (secondary)		194-758
Oil Filter Element (spin-on) - Deutz		195-849
Fuel Filter Element (spin-on)		195-807
Fuel Filter Element (spin-on)		194-491
Hydraulic:		
Filter Assy		157-345
Oil Filter Element (1-1/2-UNF, spin-on, Replacement)		153-792

Optional Kits

O-ring Repair Kit - FLG, ORS & SAE (15 different O-rings)	190-051
O-ring Repair Kit - Field Service (46 different O-rings)	190-052



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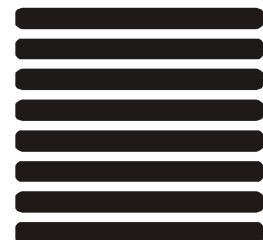
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