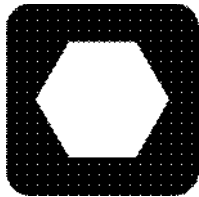


RT80

Parts Manual



Ditch Witch[®]


RT80

ISSUE NO. 03PL-05/11

For Replacement Copy Order **P/N 053-1271**

This manual contains information concerning the following models:
RT80 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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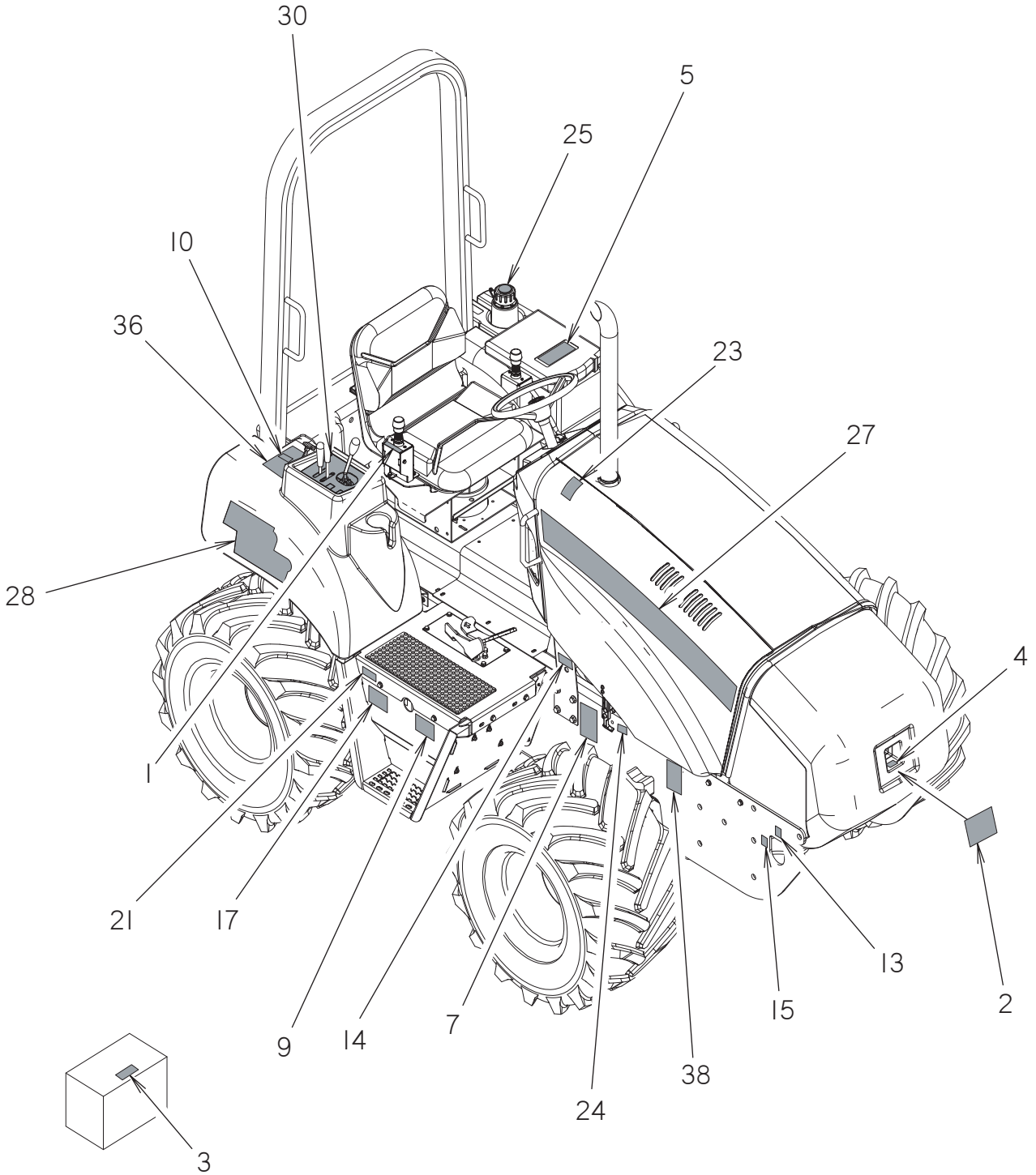
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DECALS

DECAL LOCATION RT80



DECAL LOCATION

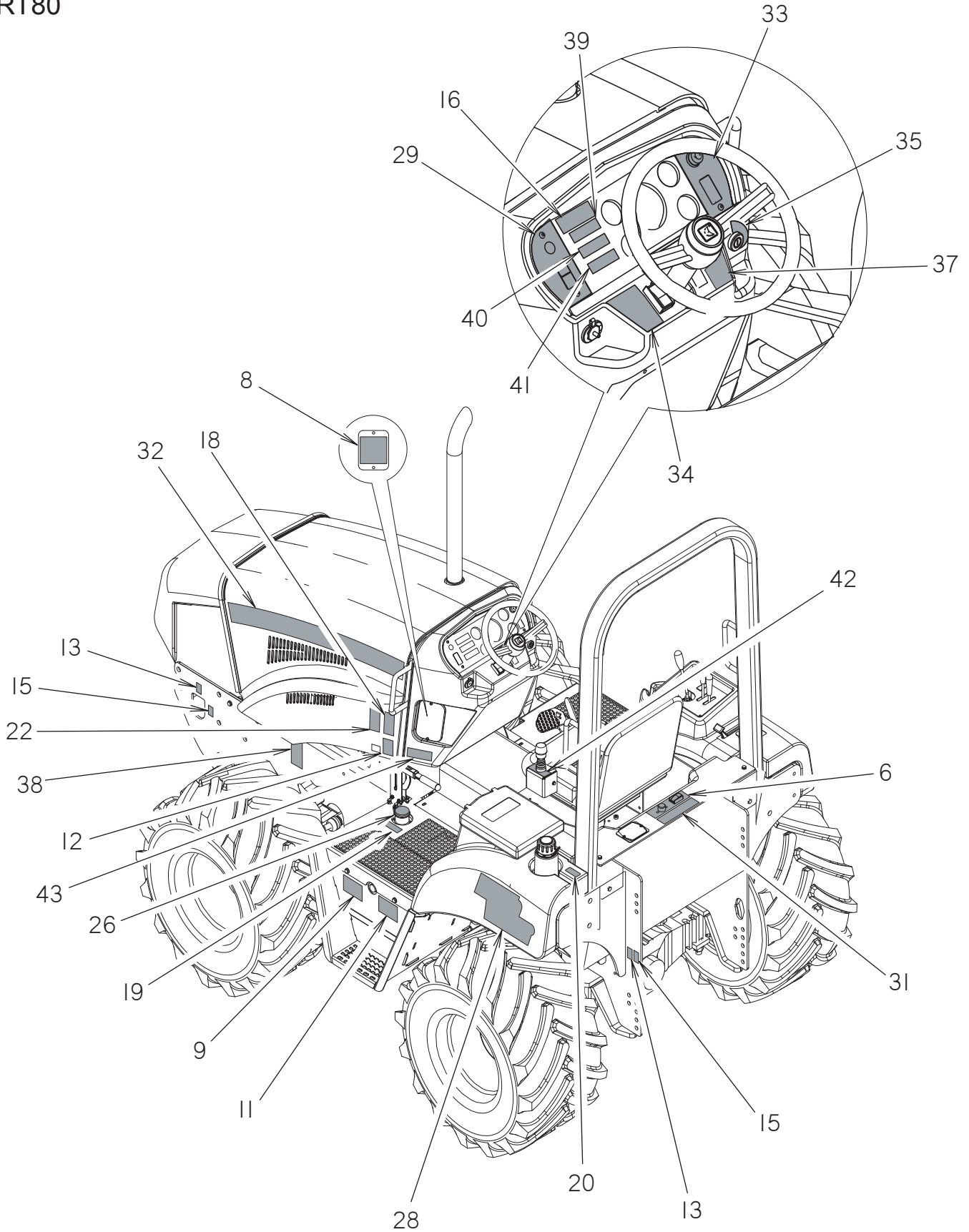
RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	270-2386		DECAL KIT - RT80	
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	270-2420	1	CRUISE CONTROL OVERLAY	
7	270-4502	1	RT80 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 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	270-2232	1	RT80 MODEL ID RIGHT	
28	700-118	2	STACKED DITCH WITCH LOGOTYPE	
29	270-2256	1	LEFT CONSOLE	
30	270-4483	1	BLADE/TILT/DIFF LOCK	
31	700-123	1	ATTACHMENT OVERLAY	
32	270-2233	1	RT80 MODEL ID LEFT	
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	270-4484	1	GROUND DRIVE SPEED	
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	
42	270-4503	1	ATTACHMENT CONTROL	FOOTNOTE 1, USED WITH ATTACHMENT SHIP KIT
43	701-361	1	PARKING BRAKE DECAL	

FOOTNOTES

1. NOT PART OF KIT.

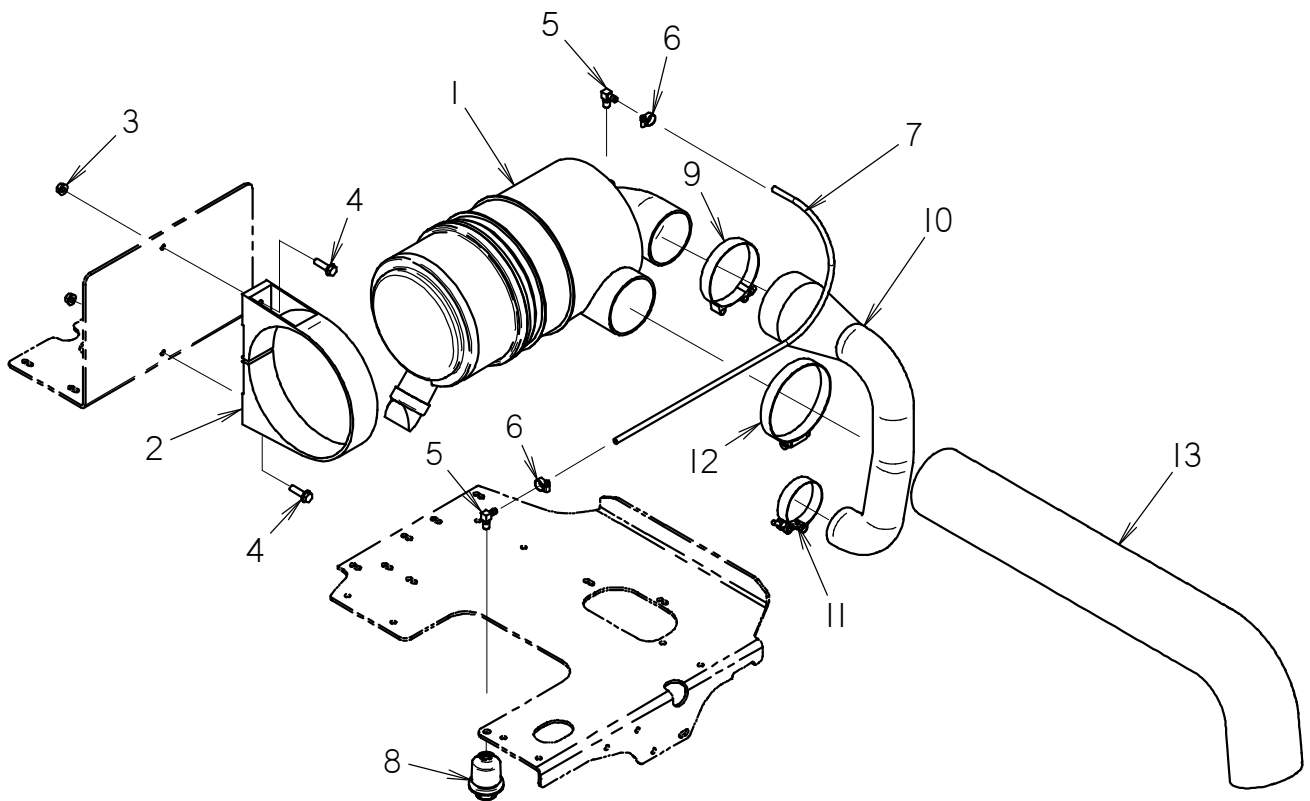
DECAL LOCATION RT80



ENGINE COMPONENTS

INTAKE SYSTEM

RT80



INTAKE SYSTEM

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-484	1	AIR FILTER	SEE FOOTNOTE 1 FOR SERVICE PARTS
2	120-080	1	MOUNTING CLAMP (8.350")	
3	106-386	2	FLG LOCKNUT (M8-1.25)	
4	106-163	2	FLG SCREW (M8-1.25 X 30MM)	
5	155-158	2	S/O COUPLER (O2N-04H90)	SEE FOOTNOTE 2
6	110-249	2	WORM CLAMP (1/4" TO 5/8")	
7	115-381	23	BULK HOSE (1/4", SOLD PER 1')	SEE FOOTNOTE 2
8	195-1344	1	GRADUATED RESTRICTION INDICATOR (20"H20)	
9	105-1343	1	T-BOLT CLAMP (4.06" TO 4.38")	
10	195-1283	1	AIR INTAKE HOSE	
11*	110-815	1	T-BOLT CLAMP (2.5")	
12	110-170	1	WORM CLAMP (4-1/8" TO 5")	
13	195-1287	1	AIR INTAKE HOSE	

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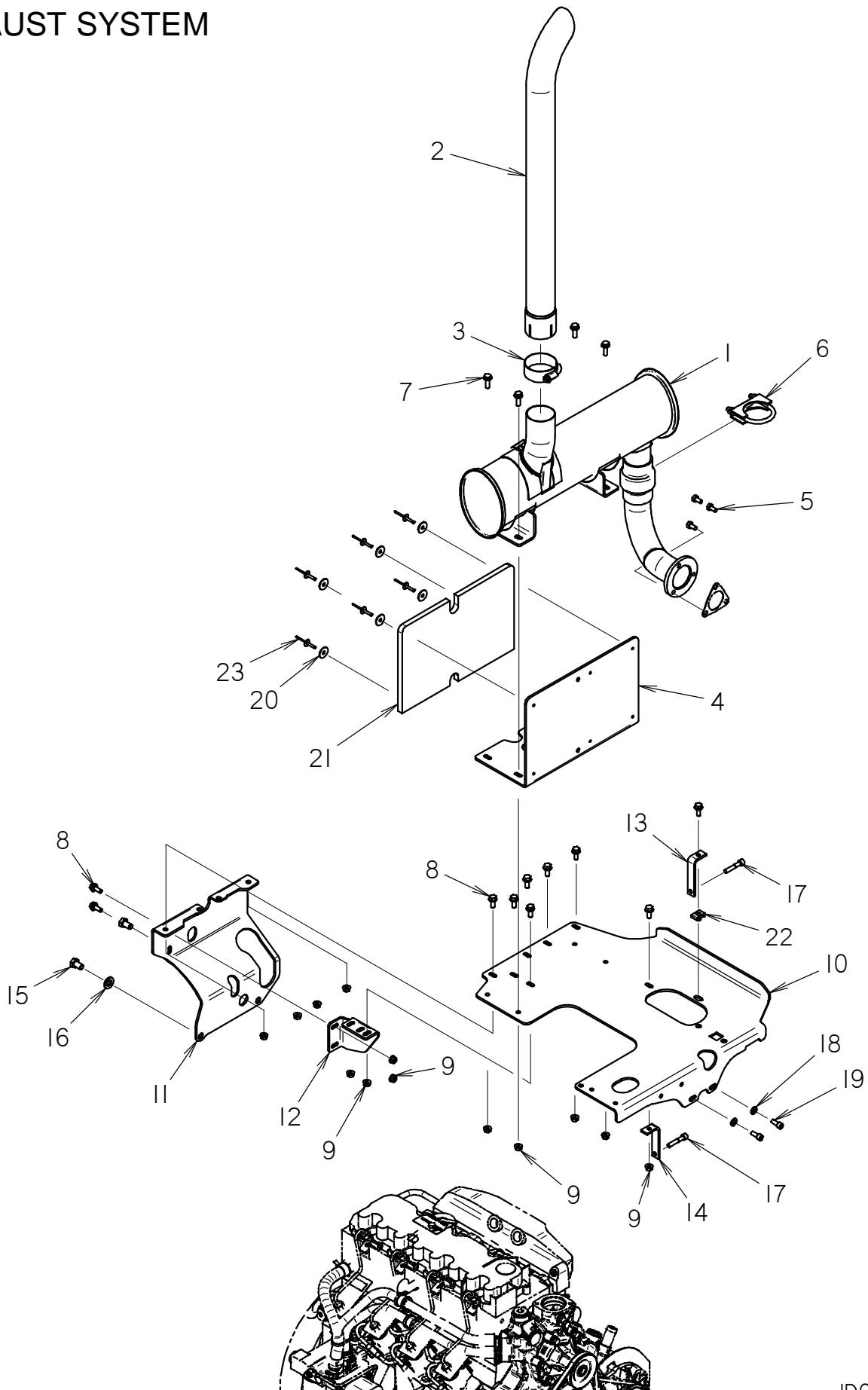
FOOTNOTES:

1. 194-577 ELEMENT (SAFTEY); 194-830 ELEMENT (PRIMARY); 194-761 DISCHARGE VALVE
2. BEGINS WITH CMWRT80XV90000023.

NOTE:

EXHAUST SYSTEM

RT80



EXHAUST SYSTEM

RT80

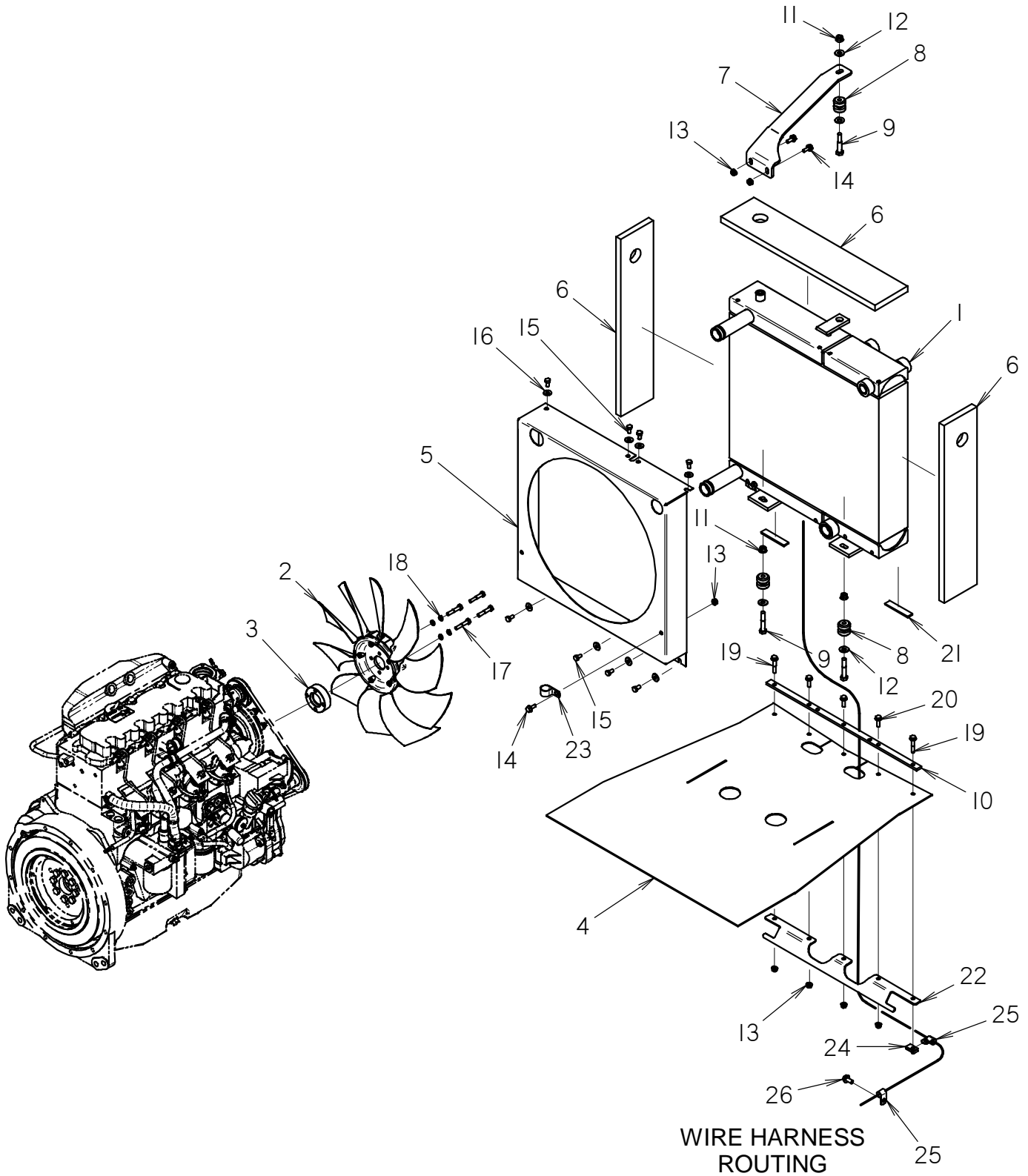
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	195-1269	1	MUFFLER ASSEMBLY	
2	194-526	1	EXHAUST STACK	
3	105-1350	1	MUFFLER CLAMP (2.71")	
4	300-6769	1	AIR FILTER BRACKET	
5	106-232	3	SCREW (M8-1.25 X 16MM)	
6	318-485	1	MUFFLER CLAMP	
7	106-381	4	FLG LK SCREW (M8-1.25 X 25MM)	
8	106-162	10	FLG SCREW (M8-1.25 X 20MM, GD8)	
9	106-386	13	FLG LOCKNUT (M8-1.25)	
10	300-6630	1	TOP PLATE	
11	300-6627	1	BACK ENGINE BRACKET	
12	300-6776	1	GUSSET BRACKET	
13	300-6773	1	BRACKET	
14	300-6775	1	BRACKET	
15	107-521	2	SCREW (M12-1.75 X 20MM)	
16	106-397	2	WASHER (M12, HARDENED)	
17	107-894	2	SCREW (M8-1.25 X 45MM, SOC)	
18	105-226	2	WASHER (5/16")	
19	105-842	2	SCREW (M8-1.25 X 20MM, SOC)	
20	107-936	6	WASHER (1/4"ID X 1"OD)	
21	362-1339	1	INSULATION (HEAT SHIELD)	
22	106-551	1	CLIP NUT (M8-1.25)	
23	110-350	6	POP RIVET (3/16" X .976")	

NOT SHOWN:

FOOTNOTES:

NOTE:

COOLING SYSTEM RT80



COOLING SYSTEM

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	195-1335	1	COMBINATION COOLER (RAD/HOC)	
2	195-1350	1	FAN (19" PULLER)	
3	195-1311	1	FAN SPACER	
4	362-1051	1	AIR BARRIER	
5	300-7910	1	FAN SHROUD	
6	362-1338	3	AIR BARRIER	
7	300-6777	1	RADIATOR BRACE	
8	116-128	3	SHOCK MOUNT	
9	106-628	3	SCREW (M10-1.50 X 60MM)	
10	323-461	1	STRAP	
11	106-266	3	FLG NUT (M10-1.50)	
12	105-118	4	WASHER (3/8")	
13	106-386	7	FLG LOCKNUT (M8-1.25)	
14	106-162	3	FLG SCREW (M8-1.25 X 20MM, GD8)	
15	106-232	9	SCREW (M8-1.25 X 16MM)	
16	105-117	8	WASHER (5/16")	
17	106-932	4	SCREW (M8-1.25 X 45MM)	
18	105-091	4	LOCK WASHER (5/16")	
19	106-200	2	FLG LK SCREW (M8-1.25 X 45MM)	
20	106-992	3	FLG LK SCREW (M8-1.25 X 25MM)	
21	115-399	AR	BULK STRIP (3/4" X .25" THK, SOLD PER 1')	
22	300-7969	1	SUPPORT BRACKET	
23	110-333	1	BOLT-ON CLAMP (1")	
24	107-135	1	CLIP NUT (M8-1.25)	
25	110-259	2	BOLT-ON CLAMP (.625")	
26	106-382	1	FLG LK SCREW (M10-1.50 X 20MM)	

NOT SHOWN:

FOOTNOTES:

NOTE:

OIL COOLER HYDRAULICS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	150-2693	1	S/O COUPLER (16S-16H90-12H90)	
2	150-2692	1	S/O RUN TEE (12S-12H-12H)	REFER TO FOOTNOTE 1
3	158-576	1	CHECK VALVE (12SF-12SF)	
4	155-046	2	S/O COUPLER (12S-12H)	
5	154-300	2	CONNECTOR (100-12S90)	
6	154-312	2	REDUCER STEM (1080)	
7	154-310	2	REDUCER NUT (100F)	
8	154-739	1	HOSE (080FX-32"-3000)	SEE FOOTNOTE 2
9	154-739	1	HOSE (080FX-32"-3000)	
10	110-353	4	WORM CLAMP (3/4" TO 1-1/2")	
11	116-636	1	BULK HOSE (3/4", SOLD PER FT)	USE 1 @ 12"
12	116-636	1	BULK HOSE (3/4", SOLD PER FT)	USE 1 @ 6"
13	111-027	2	T-BOLT CLAMP (1.25" - 1.50")	
14	116-460	1	BULK HOSE (1", SOLD PER FT)	USE 1 @ 28"
15	105-1211	3	WORM CLAMP (1-1/2" TO 2-1/2")	
16	300-7769	1	COOLANT OUTLET	
17	105-842	2	SCREW (M8-1.25 X 20MM, SOC)	
18	155-176	1	S/O COUPLER (20S-24H90)	
19	195-1424	1	LOWER RADIATOR HOSE	
20	195-1425	1	UPPER RADIATOR HOSE	
21	154-396	1	BK CONNECTOR (080-08090BK)	
22	515-102	1	HOSE (080FX-110"-3000)	
23	117-210	1	ABRASION SLEEVE (1.25" X 100")	

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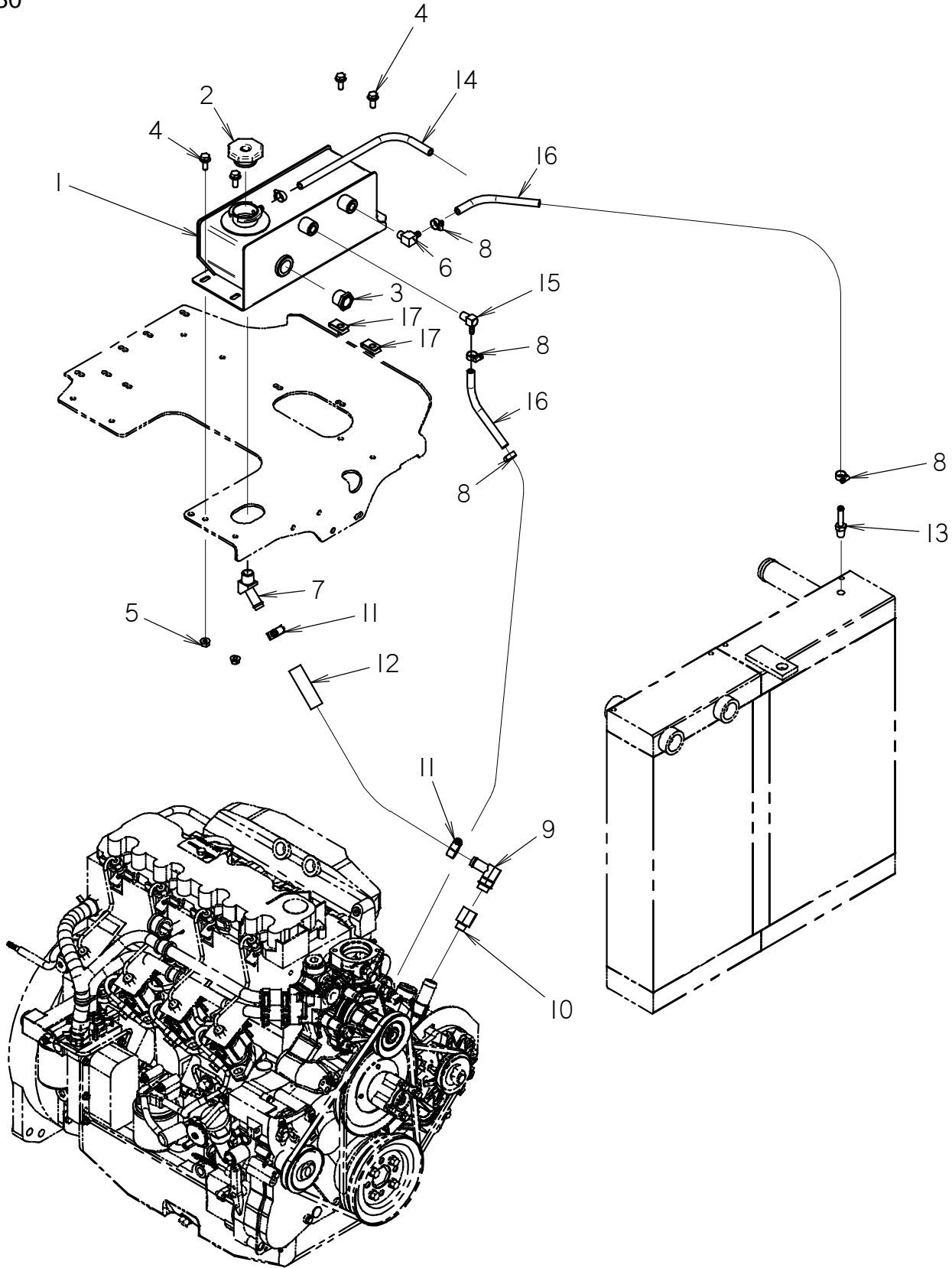
FOOTNOTES:

1. REFER TO "FLUSHING/CHARGE/CASE DRAIN" PAGE ID0216519.
2. REFER TO "PLUMBING, STEERING VALVE, ID0206906.

NOTE:

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

EXPANSION TANK RT80



EXPANSION TANK

RT80

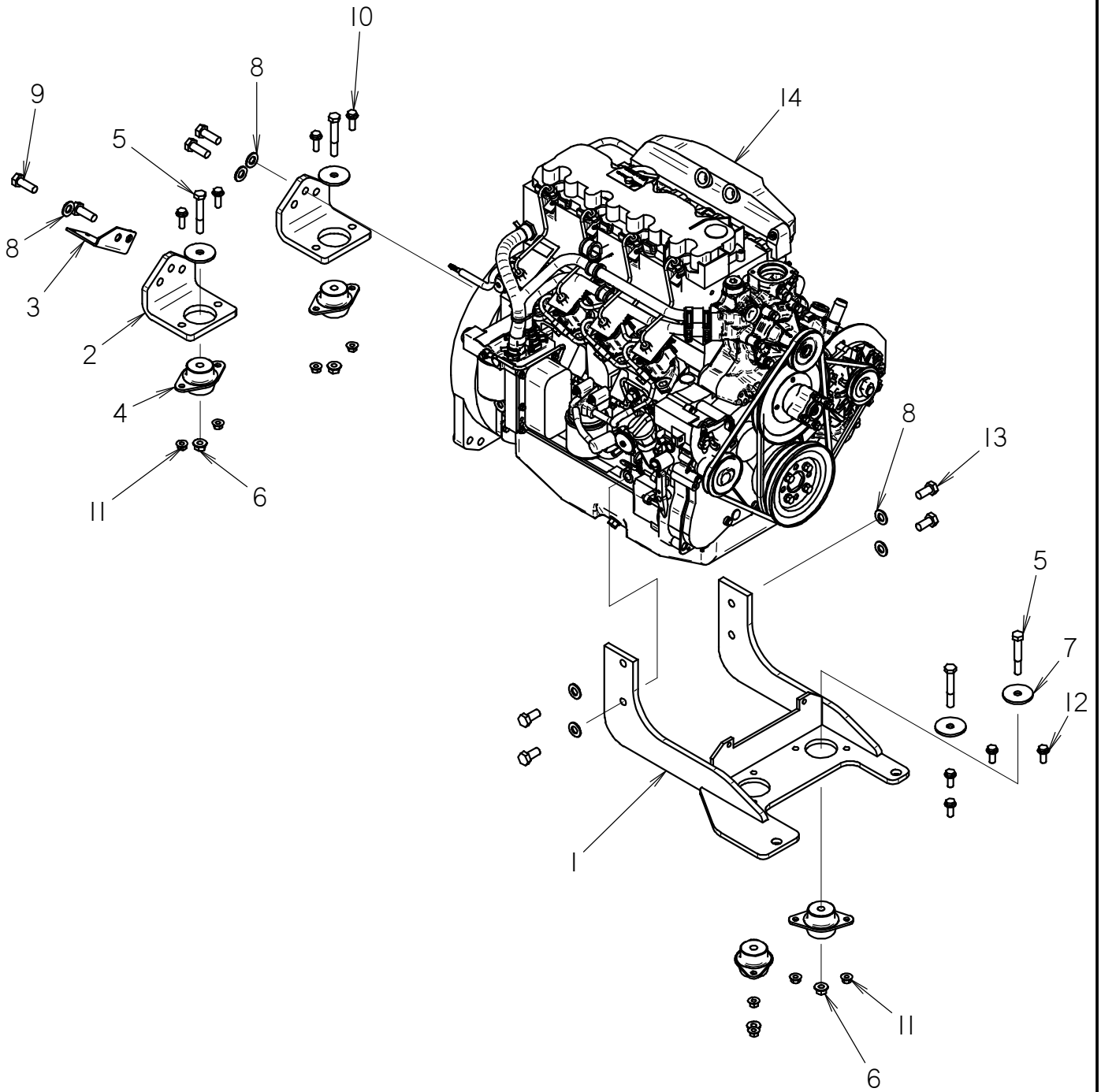
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-7658	1	EXPANSION TANK	
2	111-084	1	RADIATOR CAP (16 PSI)	
3	110-549	1	SIGHT GAUGE (12N)	
4	106-162	4	FLG SCREW (M8-1.25 X 20MM, GD8)	
5	106-386	2	FLG LOCKNUT (M8-1.25)	
6	155-164	1	S/O COUPLER (04N-05H90)	
7	149-487	1	S/O COUPLER (08N-10H)	
8	110-249	5	WORM CLAMP (1/4" TO 5/8")	
9	150-2694	1	S/O COUPLER (08S-10H90)	
10	150-2074	1	CONNECTOR (M16-8S)	
11	110-217	2	WORM CLAMP (7/16" TO 1")	
12	116-750	18	BULK HOSE (5/8", SOLD PER 1')	
13	155-162	1	S/O COUPLER (04N-05H)	
14	116-108	1	BULK HOSE (5/16", SOLD PER 1')	
15	156-100	1	S/O COUPLER (04N-04H90)	
16	115-381	30	BULK HOSE (1/4", SOLD PER 1')	USE ONE PIECE @ 20" & ONE @ 10"
17	107-135	2	CLIP NUT (M8-1.25)	

NOT SHOWN:

FOOTNOTES:

NOTE:

ENGINE MOUNTS RT80



ENGINE MOUNTS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-7344	1	FRONT ENGINE MOUNT	
2	322-710	2	REAR ENGINE MOUNT	
3	322-964	1	BRACKET	
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	106-598	8	WASHER (9/16" HARDENED)	
9	106-597	4	LK SCREW (M14-2.00X40MM,EPXY)	TORQUE TO 100 ft. /lbs.
10	106-383	4	FLG LK SCREW (M10-1.50 X 30MM)	
11	106-266	8	FLG NUT (M10-1.50)	
12	107-001	4	FLG LK SCREW (M10-1.50 X 25MM)	
13	106-596	4	LK SCREW (M14-2.00X30MM,EPXY)	TORQUE TO 100 ft. /lbs.
14	195-1082	1	ENGINE - DEUTZ TD2011L04W DIESEL T3	

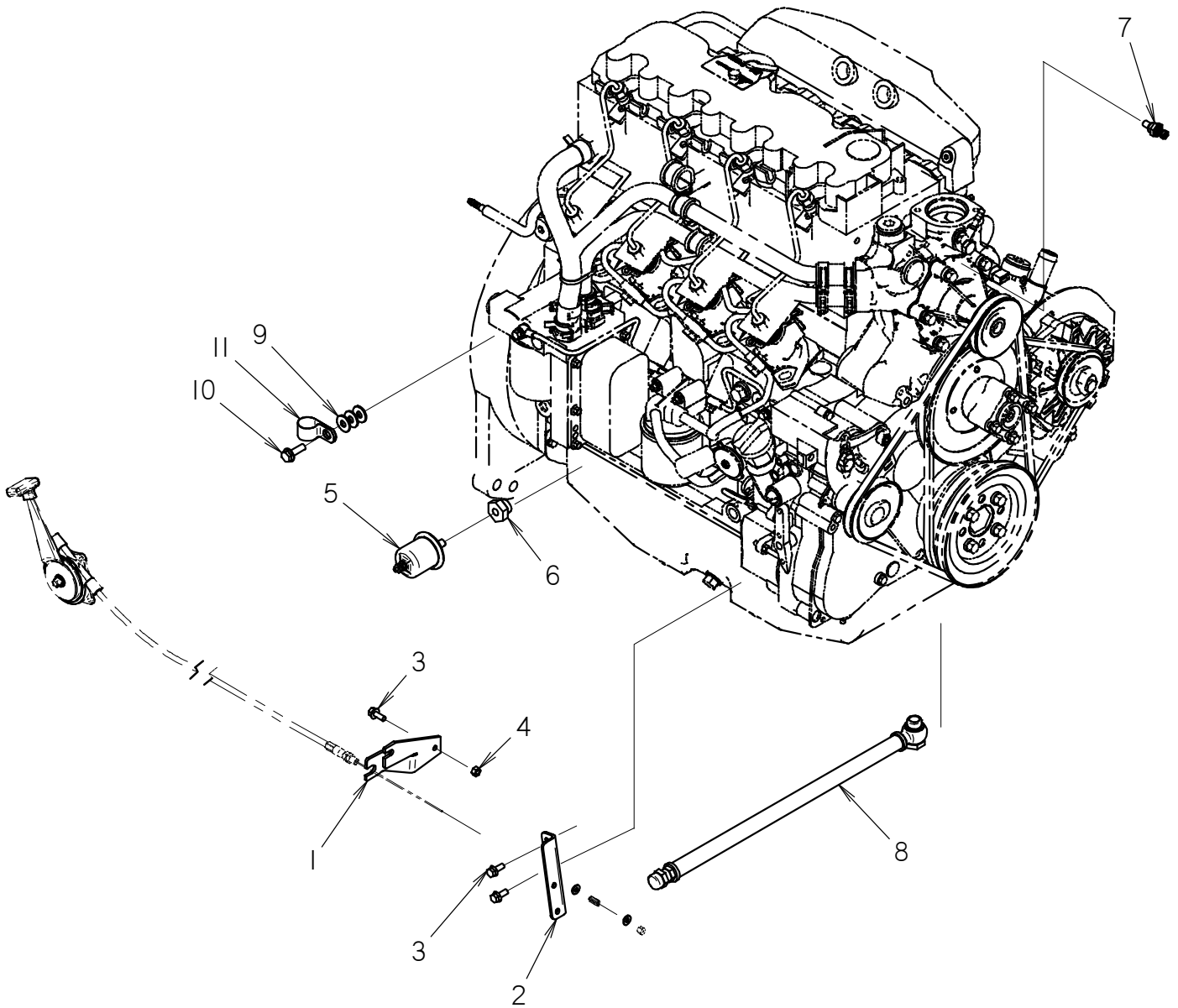
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FOOTNOTES:

NOTE:

ENGINE (RIGHT SIDE)

RT80



ENGINE (RIGHT SIDE)

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8443	1	THROTTLE BRACKET	REFER TO "RIGHT FENDER", ID0216683.
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	
8	195-585	1	ENGINE OIL DRAIN	
9	105-117	3	WASHER (5/16")	
10	106-381	1	FLG LK SCREW (M8-1.25 X 25MM)	
11	110-333	1	BOLT-ON CLAMP (1")	

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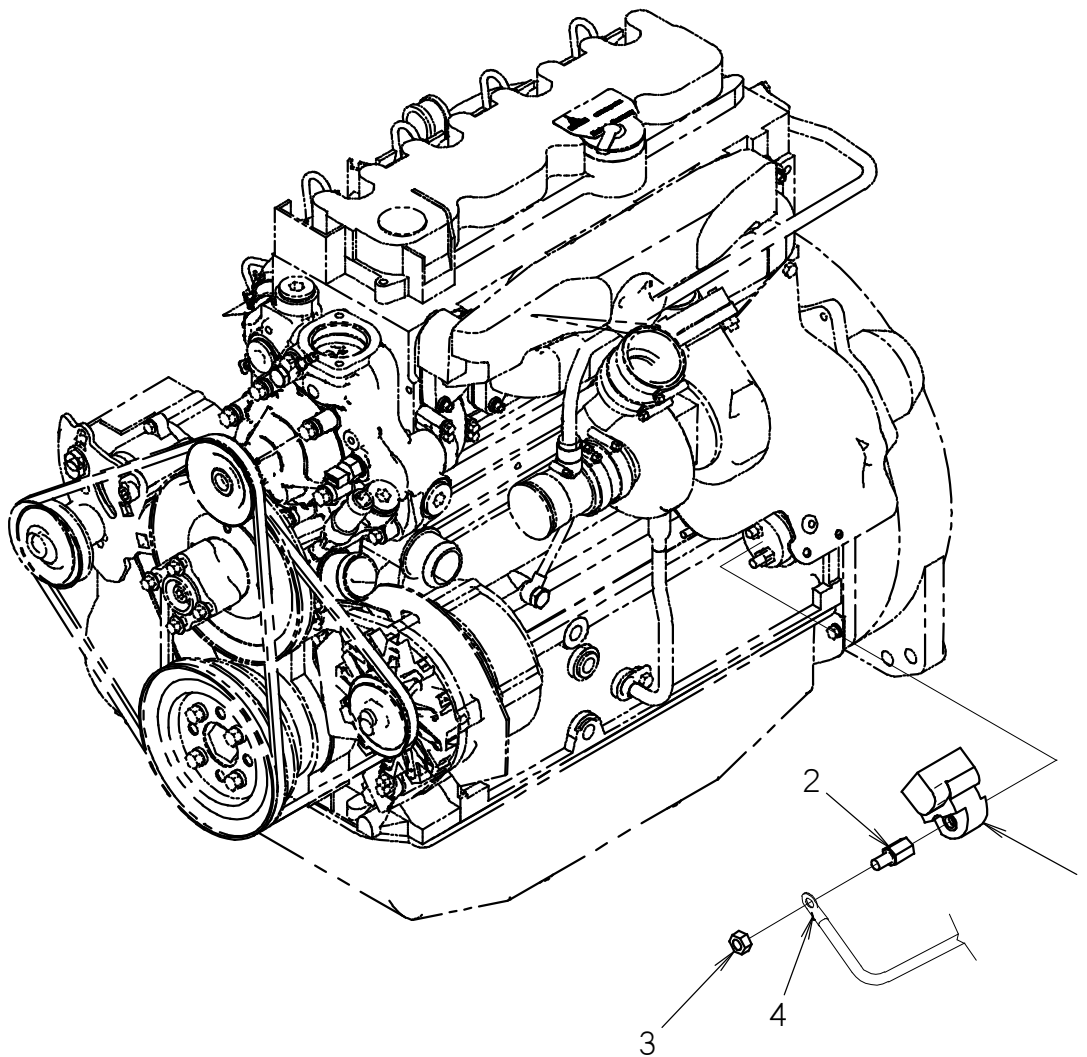
195-1419	FAN BELT
194-491	WATER SEPERATOR FILTER
195-807	FUEL PRIMARY

FOOTNOTES:

NOTE:

STARTER CONNECT

RT80



STARTER CONNECT

RT80

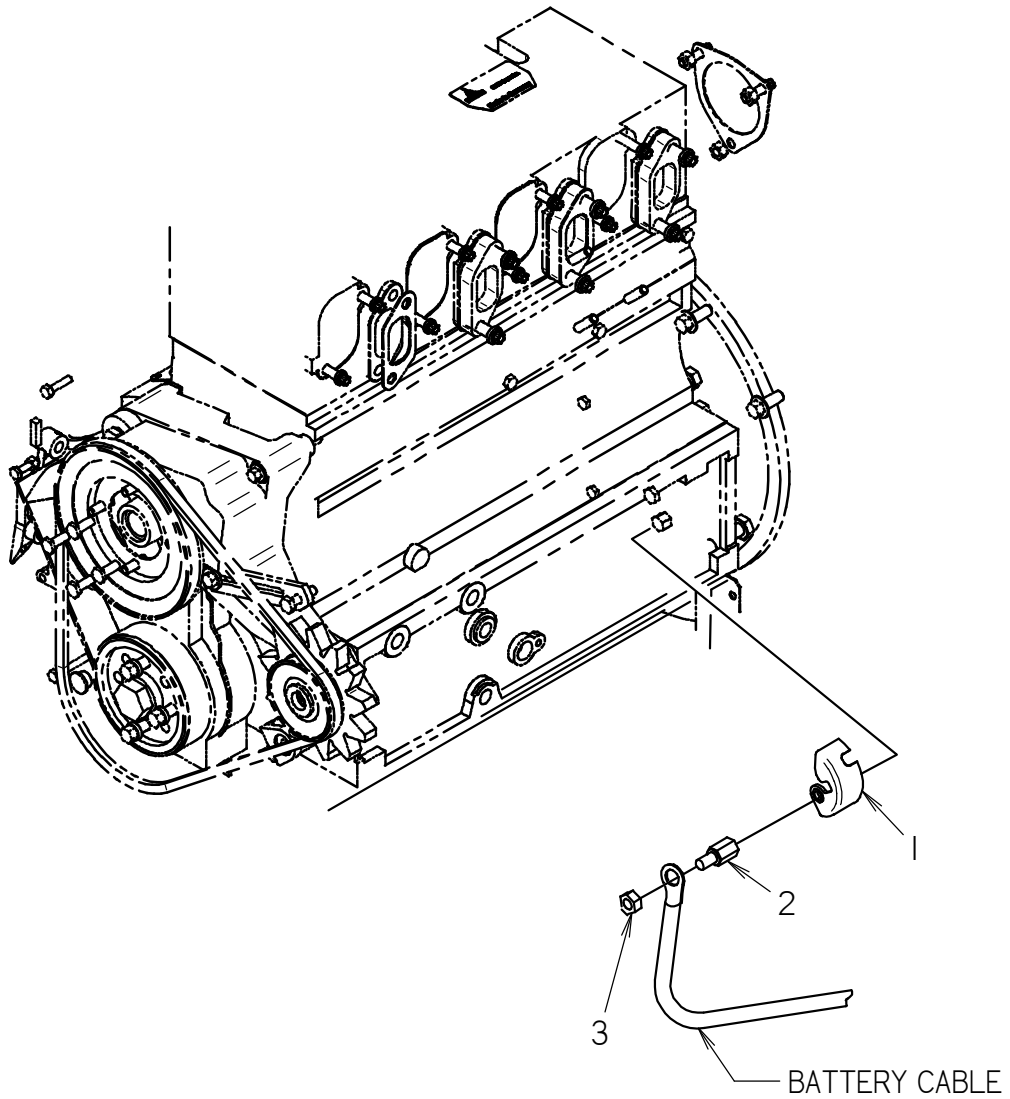
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	215-188	1	STARTER SOLENOID COVER	
2	106-930	1	STUD (M10-1.50 X 40MM)	
3	106-175	1	LOCKNUT (M10-1.50)	
4	213-153	1	POS BAT CABLE (11/0 GA X 50", RED)	

NOT SHOWN:

FOOTNOTES:

NOTE:

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)	

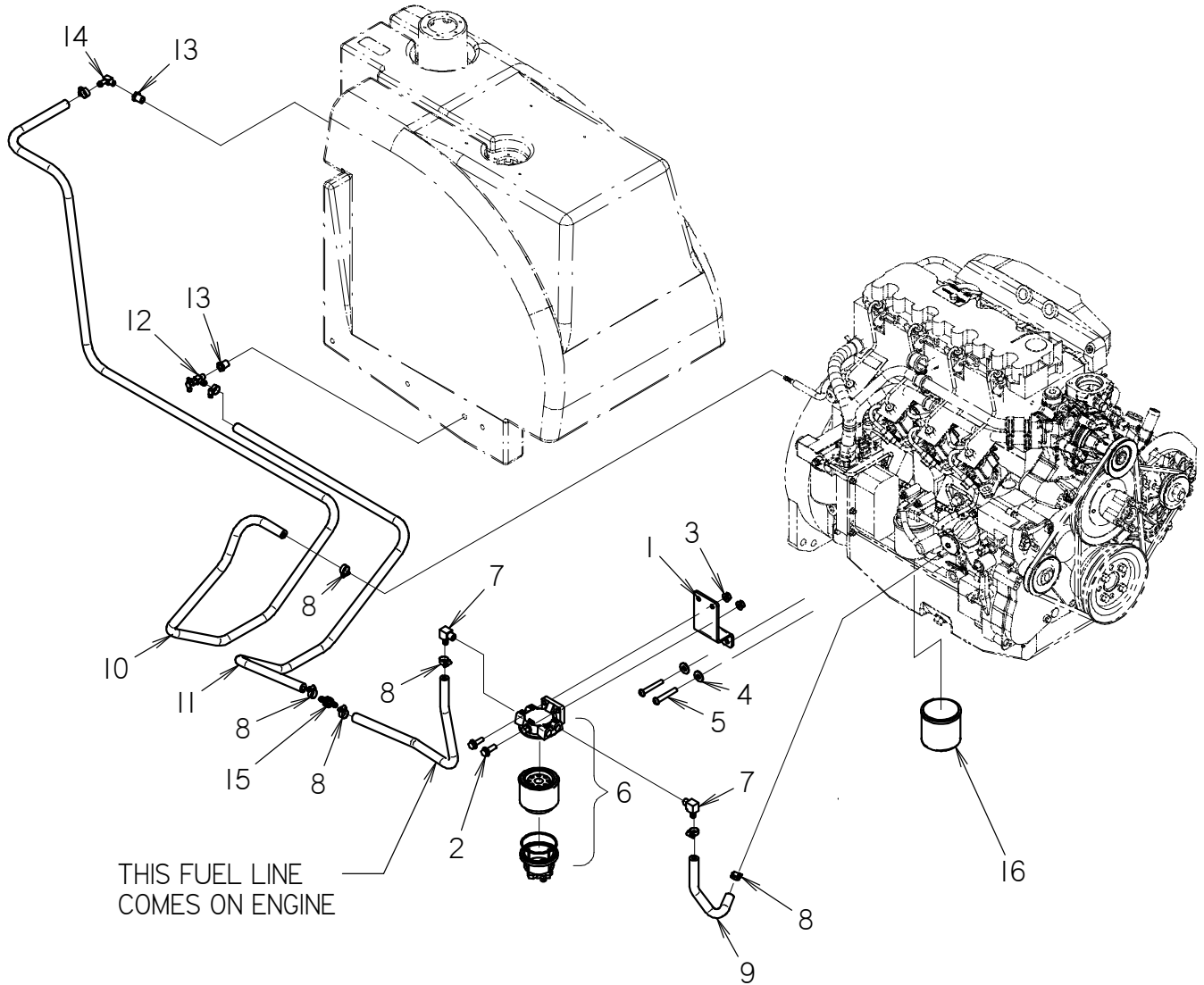
FOOTNOTES

NOTE:

A

809-306

FUEL SYSTEM RT80



FUEL SYSTEM

RT80

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	108-156	2	WASHER (5/16")	
5	107-763	2	SCREW (M8-1.25 X 55MM)	
6	194-488	1	FUEL FILTER/WATER SEPERATOR WO	USES REPLACEMENT ELEMENT 194-491
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	71	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)	
16	195-807	1	FUEL FILTER ELEMENT (PRIMARY)	

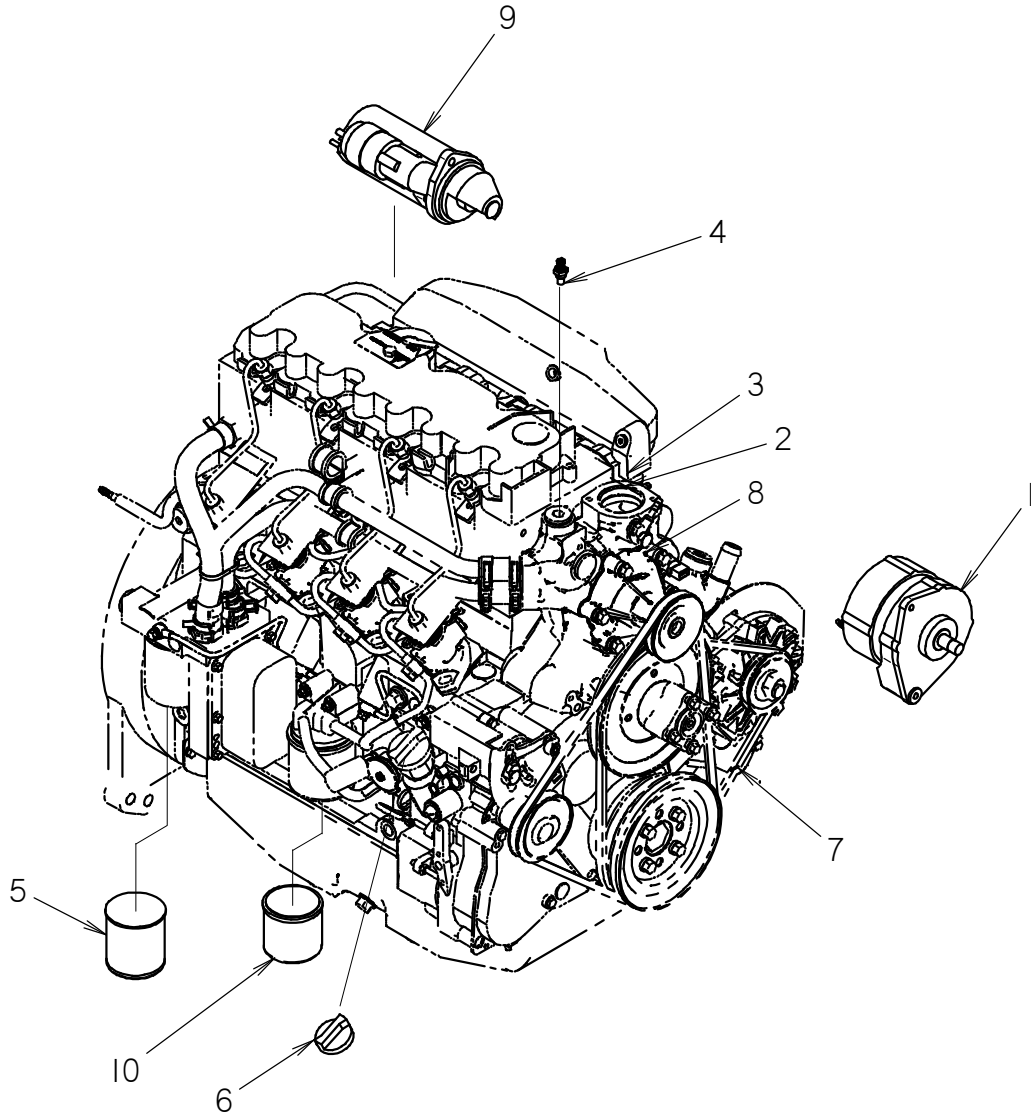
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FOOTNOTES:

NOTE:

ENGINE SERVICE PARTS

RT80



ENGINE SERVICE PARTS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	213-189	1	ALTERNATOR	
2	195-1226	1	THERMOSTAT GASKET	
3	195-1187	1	THERMOSTAT	
4	217-550	1	OIL TEMPERATURE SENDER	
5	195-849	1	ELEMENT (12NF,3.562" SPIN-ON)	
6	194-570	1	OIL FILL CAP	
7	195-1419	1	NARROW V-BELT	
8	195-1463	1	WATER PUMP, DEUTZ	
9	195-1392	1	STARTER, 9 TOOTH	
10	195-807	1	FUEL FILTER ELEMENT (PRIMARY)	

NOT SHOWN:

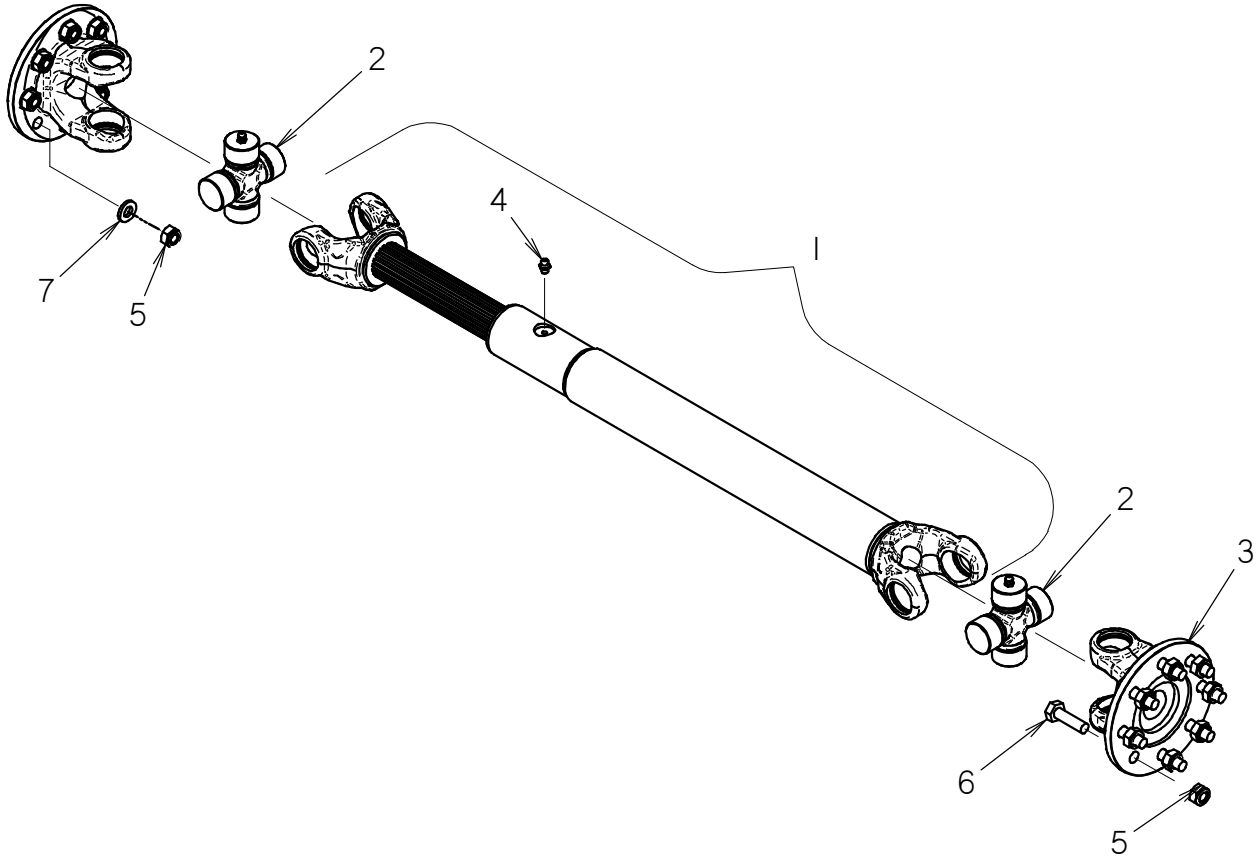
195-1389 LIFT PUMP, FUEL
165-744 GASKET, LIFT PUMP

FOOTNOTES:

NOTE:

POWER TRAIN

DRIVE SHAFT RT80



DRIVE SHAFT

RT80

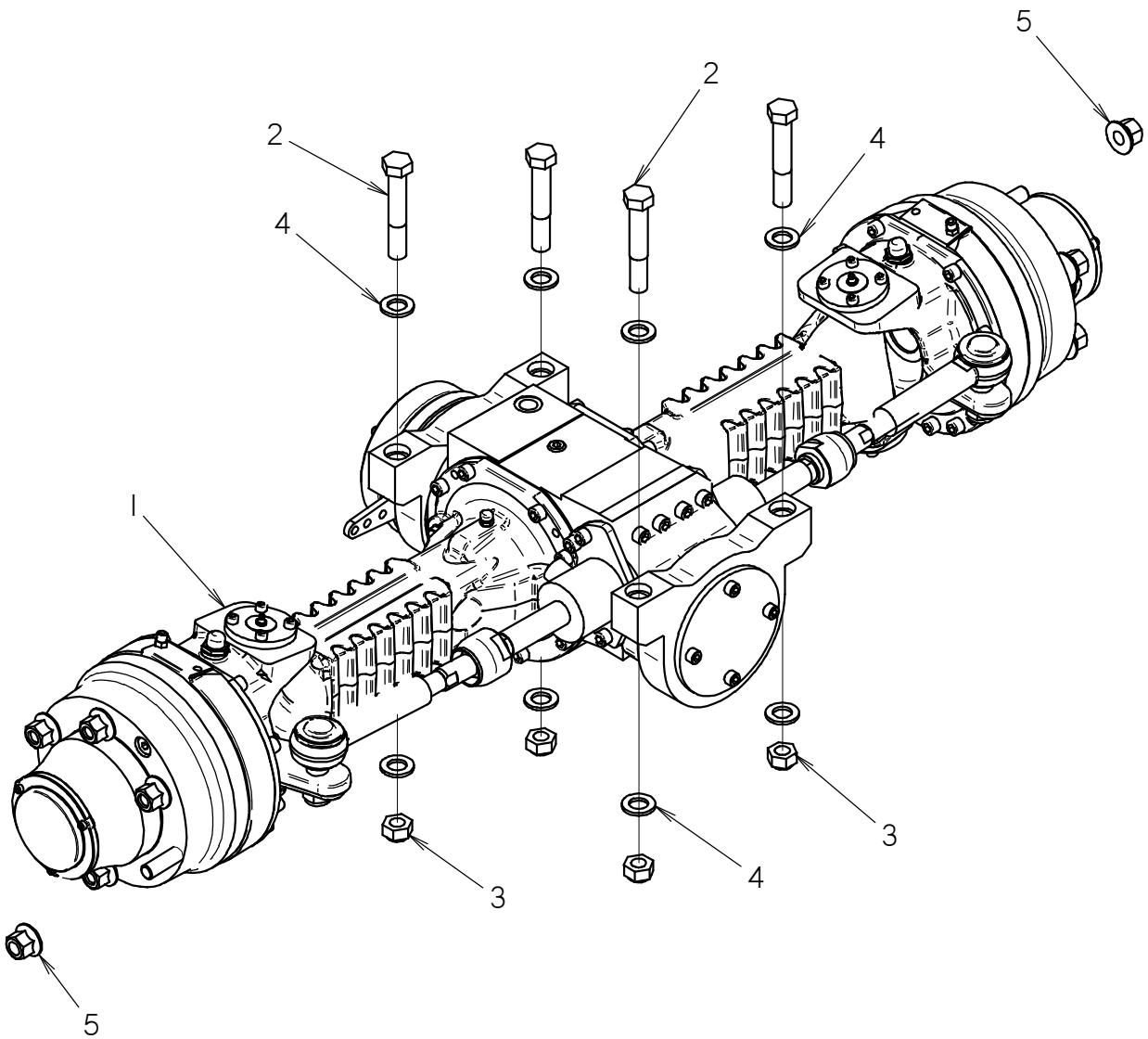
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	160-1150		DRIVE SHAFT	INCLUDES REF NO:S 1-5
1	160-1161	1	SHAFT	INCLUDES GREASE ZERKS
2	160-1162	2	CROSS AND BEARINGS	INCLUDES GREASE ZERKS
3	160-1160	2	REAR AXLE FLANGE	
4	115-003	1	ZERK (1/4-NF, STR)	
5	106-758	16	LOCKNUT (M10-1.5)	
6	105-876	8	SCREW (M10-1.50 X 35MM)	
7	106-396	8	WASHER (M10, HARDENED)	

NOT SHOWN:

FOOTNOTES:

NOTE:

FRONT AXLE RT80



FRONT AXLE RT80

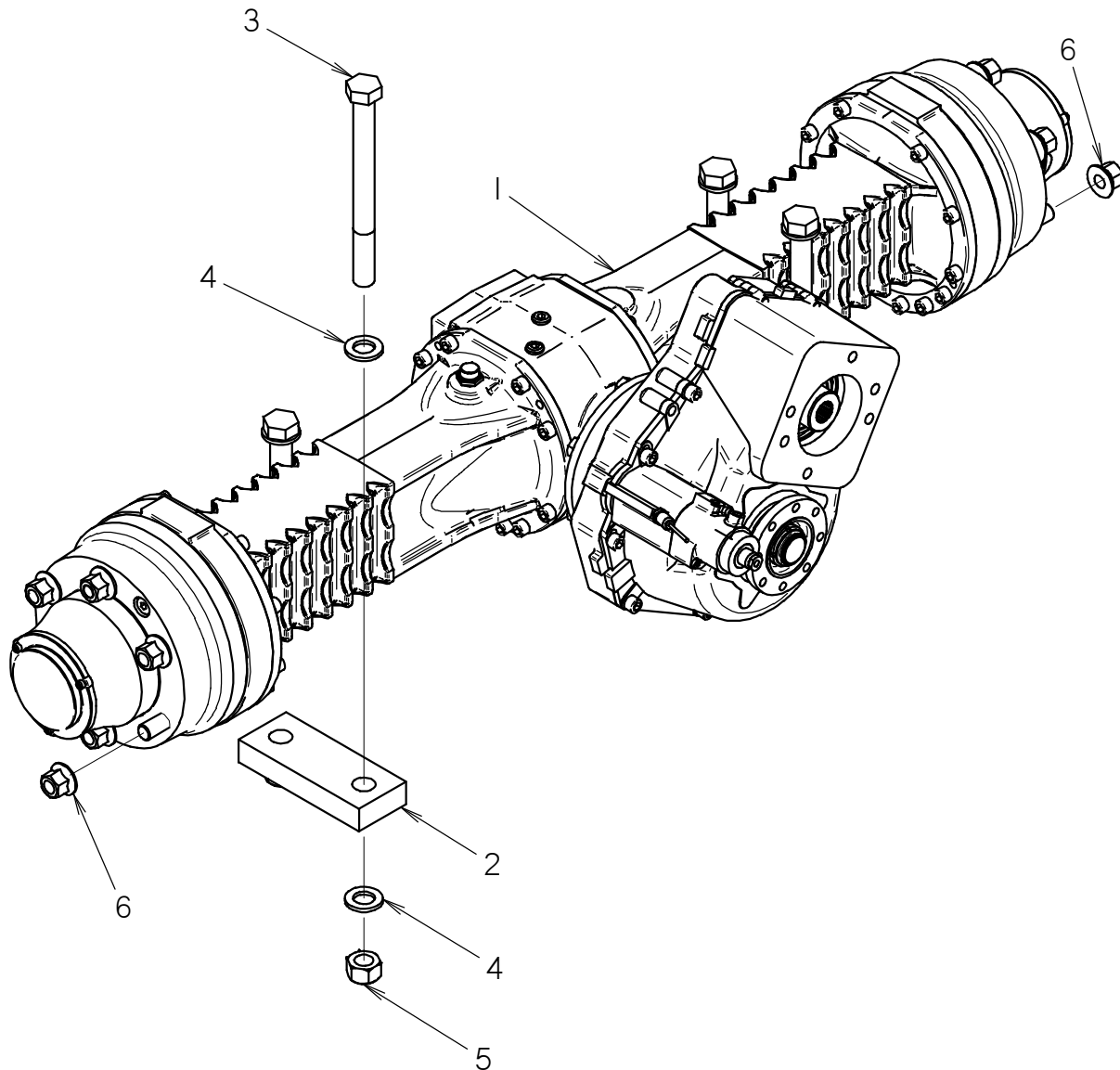
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	160-1135	1	FRONT AXLE W/BRAKES	
2	106-626	4	SCREW (M20-2.50 X 120MM, 10.9)	
3	106-665	4	LOCKNUT (M20-2.50, 10.9)	
4	106-399	8	WASHER (M20, HARDENED)	
5	105-1406	12	LUG NUT (M18-1.50, FLAT)	

NOT SHOWN:

FOOTNOTES:

NOTE:

RIGID REAR AXLE RT80



RIGID REAR AXLE

RT80

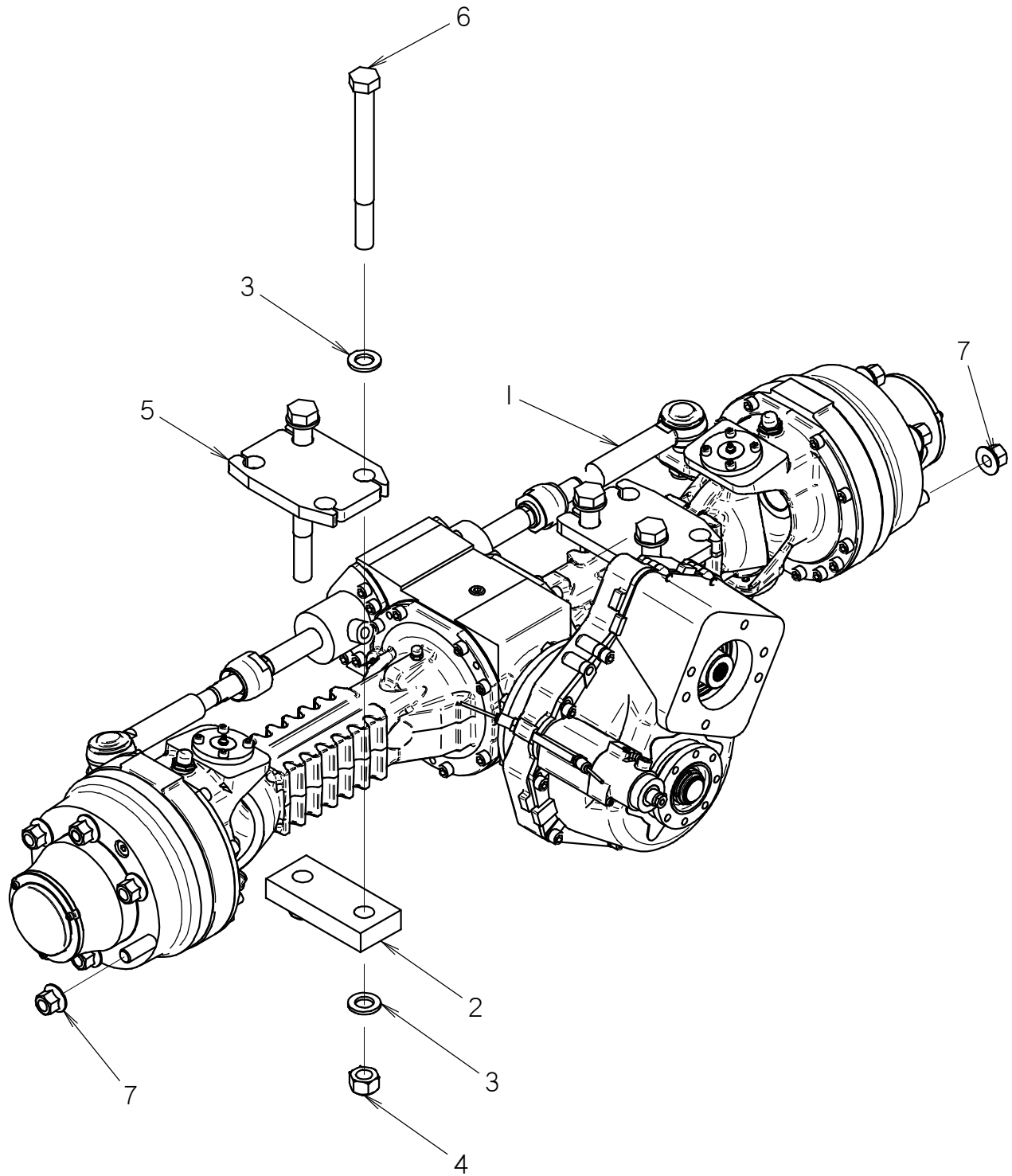
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	160-1136	1	RIGID REAR TRANSAXLE	
2	300-8018	2	RIGID AXLE CLAMP PLATE	
3	107-089	4	SCREW (M24-3.00 X 260MM, 10.9)	
4	106-625	8	WASHER (M24)	
5	106-587	4	LOCKNUT (M24-3.0,PRV TRQ,10.9)	
6	105-1406	12	LUG NUT (M18-1.50, FLAT)	

NOT SHOWN:

FOOTNOTES:

NOTE:

STEERABLE REAR AXLE RT80



STEERABLE REAR AXLE RT80

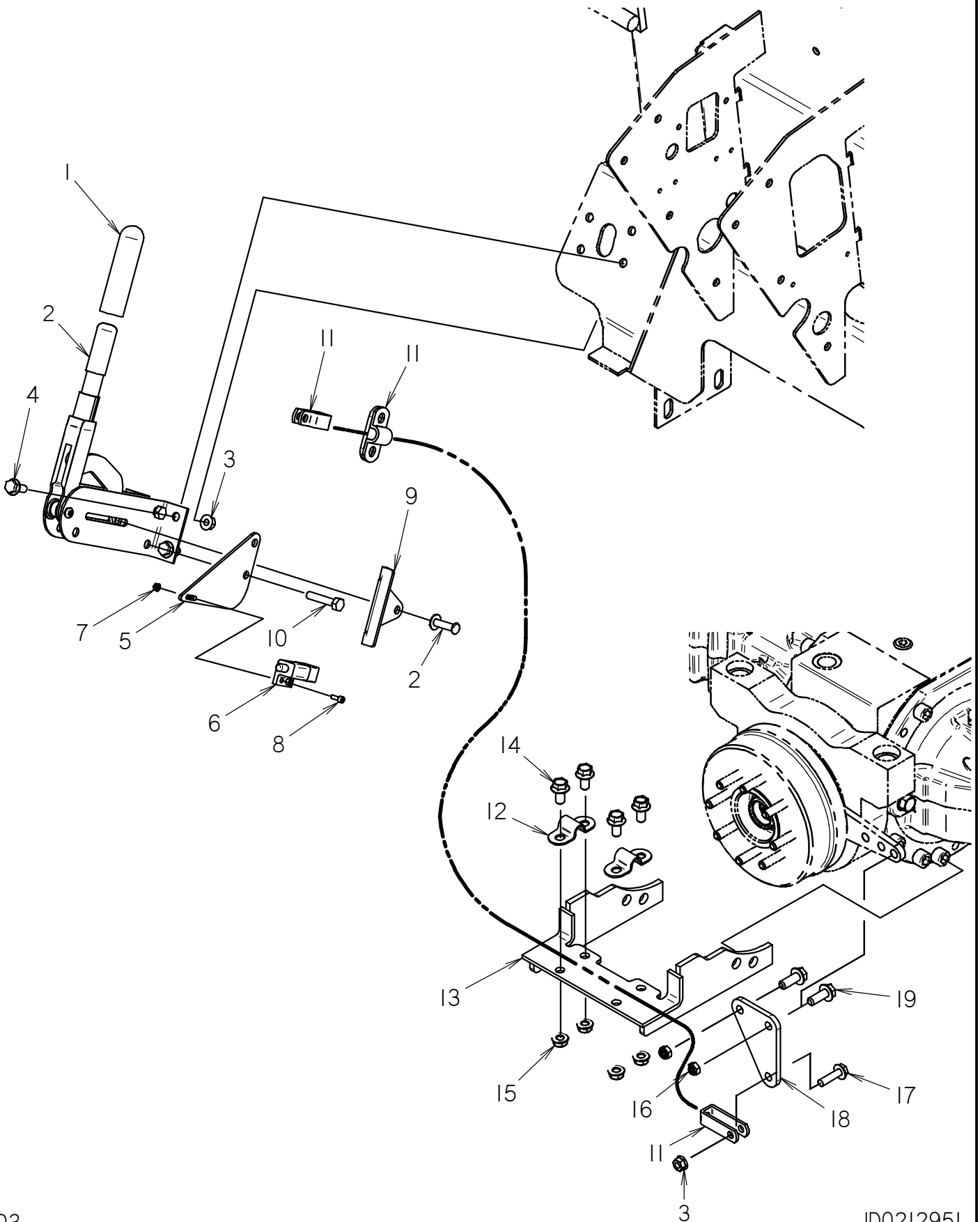
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	160-1137	1	STEERABLE REAR TRANSAXLE	
2	300-8019	2	STEERABLE AXLE CLAMP PLATE	
3	106-625	8	WASHER (M24)	
4	106-587	4	LOCKNUT (M24-3.0,PRV TRQ,10.9)	
5	300-8017	2	AXLE SPACER	
6	107-089	4	SCREW (M24-3.00 X 260MM, 10.9)	
7	105-1406	12	LUG NUT (M18-1.50, FLAT)	

NOT SHOWN:

FOOTNOTES:

NOTE:

PARKING BRAKE RT80



PARKING BRAKE

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	110-469	1	GRIP (7/8", ORANGE)	
2	160-744	1	PARKING BRAKE LEVER	
3	106-386	5	FLG LOCKNUT (M8-1.25)	
4	106-991	4	FLG LK SCREW (M8-1.25 X 20MM)	
5	309-412	1	SWITCH BRACKET	
6	217-705	1	PLUNGER SWITCH	
7	105-680	2	NUT (M4, W/LK WSHR)	
8	106-715	2	SCREW (M4-0.70 X 12MM, SOC)	
9	309-413	1	ACTUATOR BRACKET	
10	106-328	2	SCREW (M8-1.25 X 40MM)	
11	163-082	1	PARKING BRAKE CONTROL CABLE	
12	310-411	2	CLAMP	
13	300-8149	1	PARKING BRAKE BRACKET	
14	105-825	4	FLG LK BOLT (3/8-NC X 3/4)	
15	105-834	4	FLG LOCKNUT (3/8-NC)	
16	107-096	2	LOCKNUT (M8-1.25, NLK)	
17	106-163	1	FLG SCREW (M8-1.25 X 30MM)	
18	300-8150	1	BRAKE CABLE LEVER	
19	105-826	2	FLG LK BOLT (3/8-NC X 1")	

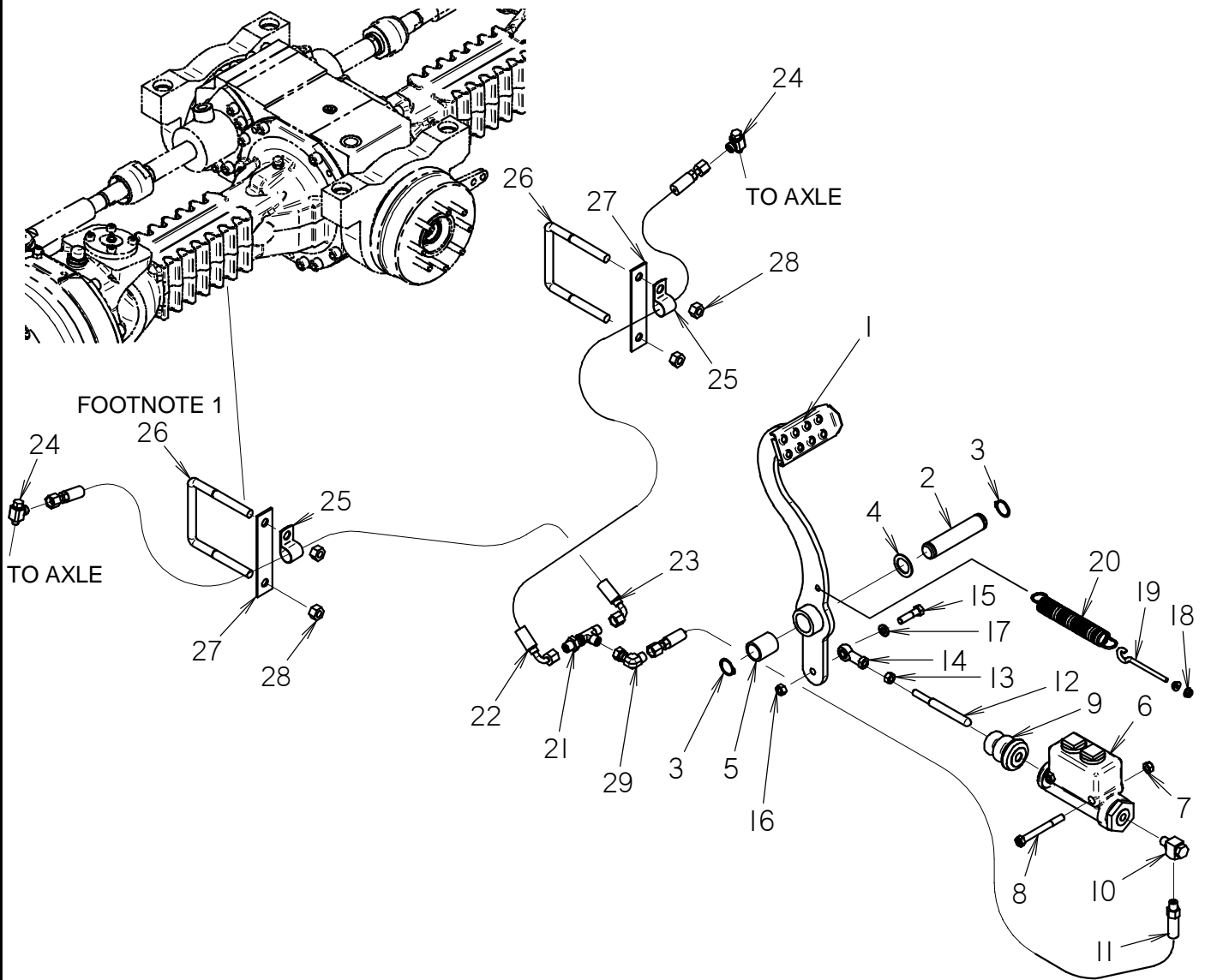
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FOOTNOTES:

NOTE:

SERVICE BRAKE SYSTEM

RT80



SERVICE BRAKE SYSTEM

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8097	1	BRAKE PEDAL	
2	177-1054	1	PIN (1.00" X 4.125")	
3	115-484	2	EXTERNAL SNAP RING (1.000")	
4	110-078	1	MACH. BUSHING (1", 14GA.)	
5	125-407	1	BRONZE BUSHING (1.00 x 1.25 x 1.50)	
6	160-1147	1	BRAKE MASTER CYLINDER	SEE FOOTNOTE 2
7	105-047	2	LOCKNUT (3/8-NC)	
8	105-179	2	BOLT (3/8-NC X 3-1/2")	
9	160-1157	1	MASTER CYLINDER BOOT	
10	149-863	1	BANJO S/O CONNECTOR (08-05T)	
11	150-2311	1	HOSE (040FX-05INVFLM-30")-3000	
12	300-8107	1	MASTER CYLINDER ROD	
13	105-093	1	NUT (3/8-NF)	
14	110-102	1	ROD END (3/8-NF, FM)	
15	107-242	1	LK BOLT (3/8-NC X 1-1/2", NLK)	
16	105-053	1	NUT (3/8 NC) HEX	
17	106-415	1	WASHER (.406)	
18	105-832	2	FLG LOCKNUT (1/4-NC)	
19	108-142	1	EYE BOLT (1/4-NC X 3")	
20	117-386	1	EXTENSION SPRING	
21	154-424	1	BK RUN TEE (040-040-040BK)	
22	515-439	1	HOSE (040FX90S-50"-3000)	
23	515-439	1	HOSE (040FX90S-50"-3000)	
24	150-2295	2	BANJO FITTING (M10-1.0 X .04090)	
25	105-1356	2	BOLT-ON CLAMP (13/16")	
26	105-1355	2	U-BOLT (1/2-NC X 5)	SEE FOOTNOTE 1
27	300-8391	2	BACKING STRAP	
28	105-021	4	NUT (1/2-NC)	
29	154-255	1	UNION (040-040FX90)	

NOT SHOWN:

FOOTNOTES:

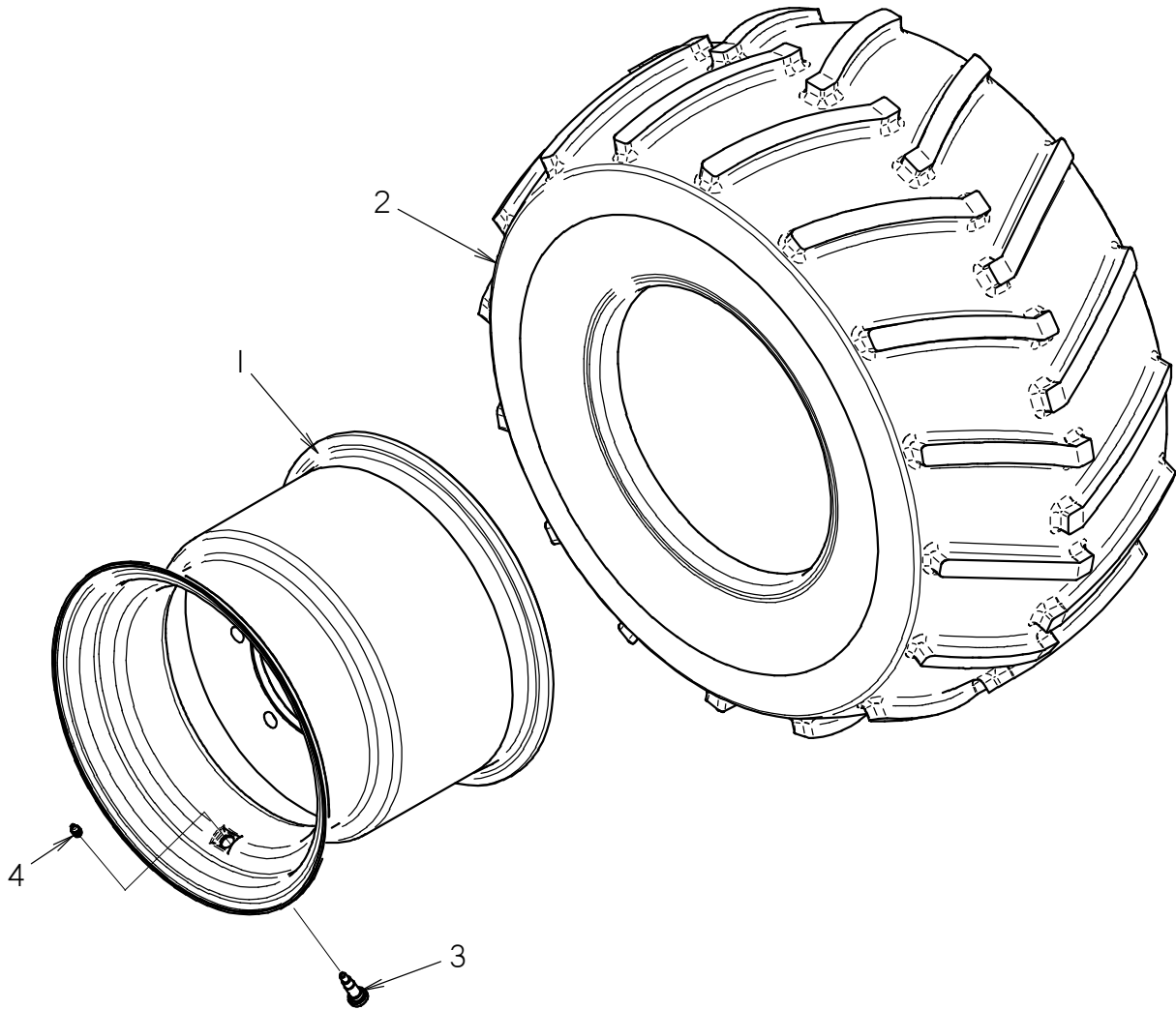
1. AS INDICATED BY THE HYD LINE GRAPHICS, THIS U-BOLT, 105-1355, GOES IN THE SECOND NOTCH FROM THE DIFFERENTIAL, ON BOTH SIDES.
2. USE CMW #256-042 OR EQUIVALENT. USES SEAL REPAIR KIT 500-1722

NOTE:

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

TIRE & WHEEL (31 X 15.5-15)

RT80



TIRE & WHEEL (31 X 15.5-15)

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	205-1120	-	T & W (31 X 15.5-15)	INCL'S REF # 1-4
1	205-1118	1	WHEEL (15 X 15.5, W/6)	
2	205-109	1	TIRE (31 X 15.50-15, D8TT)	
3	205-168	1	VALVE STEM	
4	205-165	1	VALVE CAP (.305"-32)	

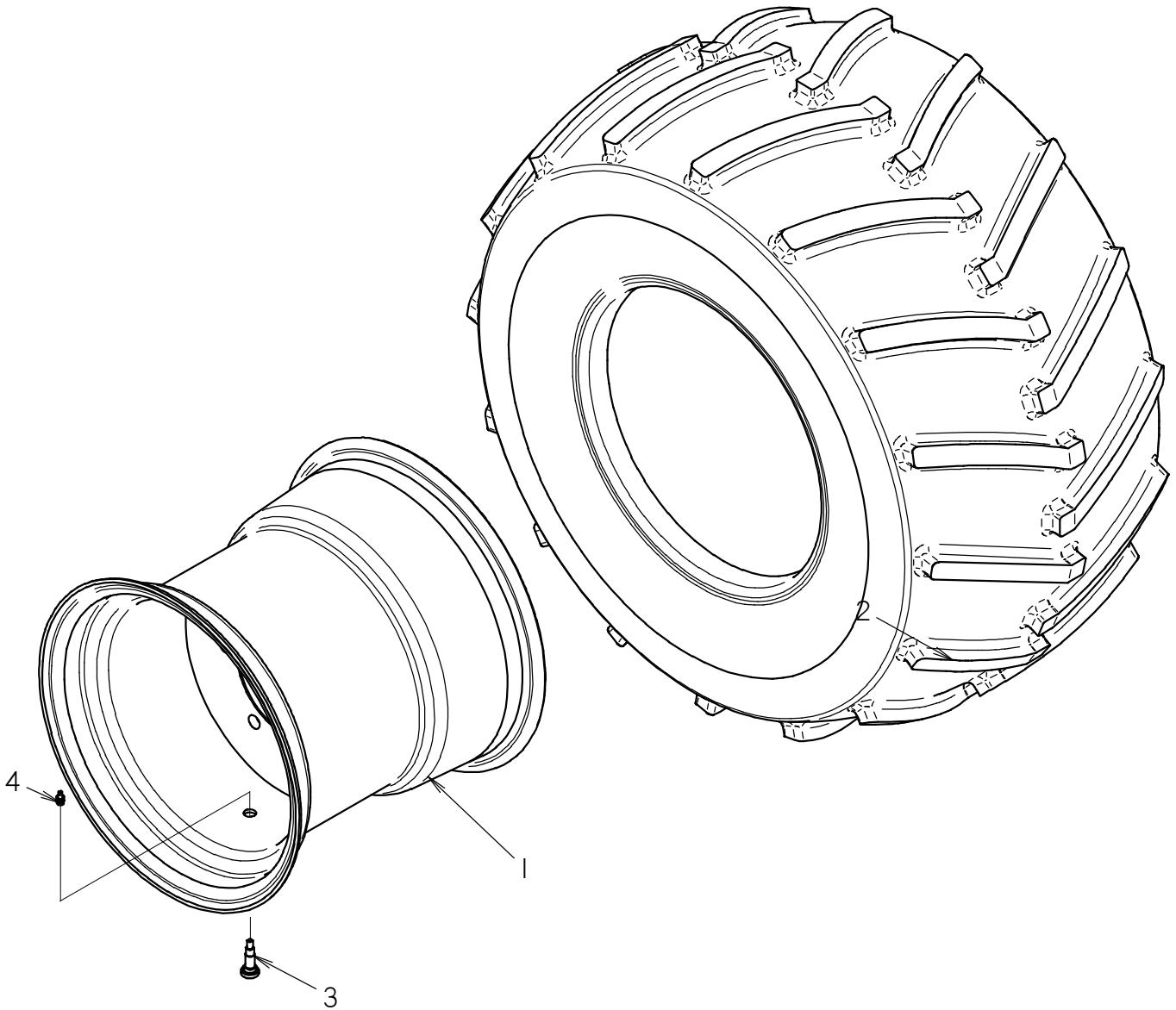
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FOOTNOTES:

NOTE:

TIRE & WHEEL (35 X 19.0-16.1)

RT80



TIRE & WHEEL (35 X 19.0-16.1)

RT80

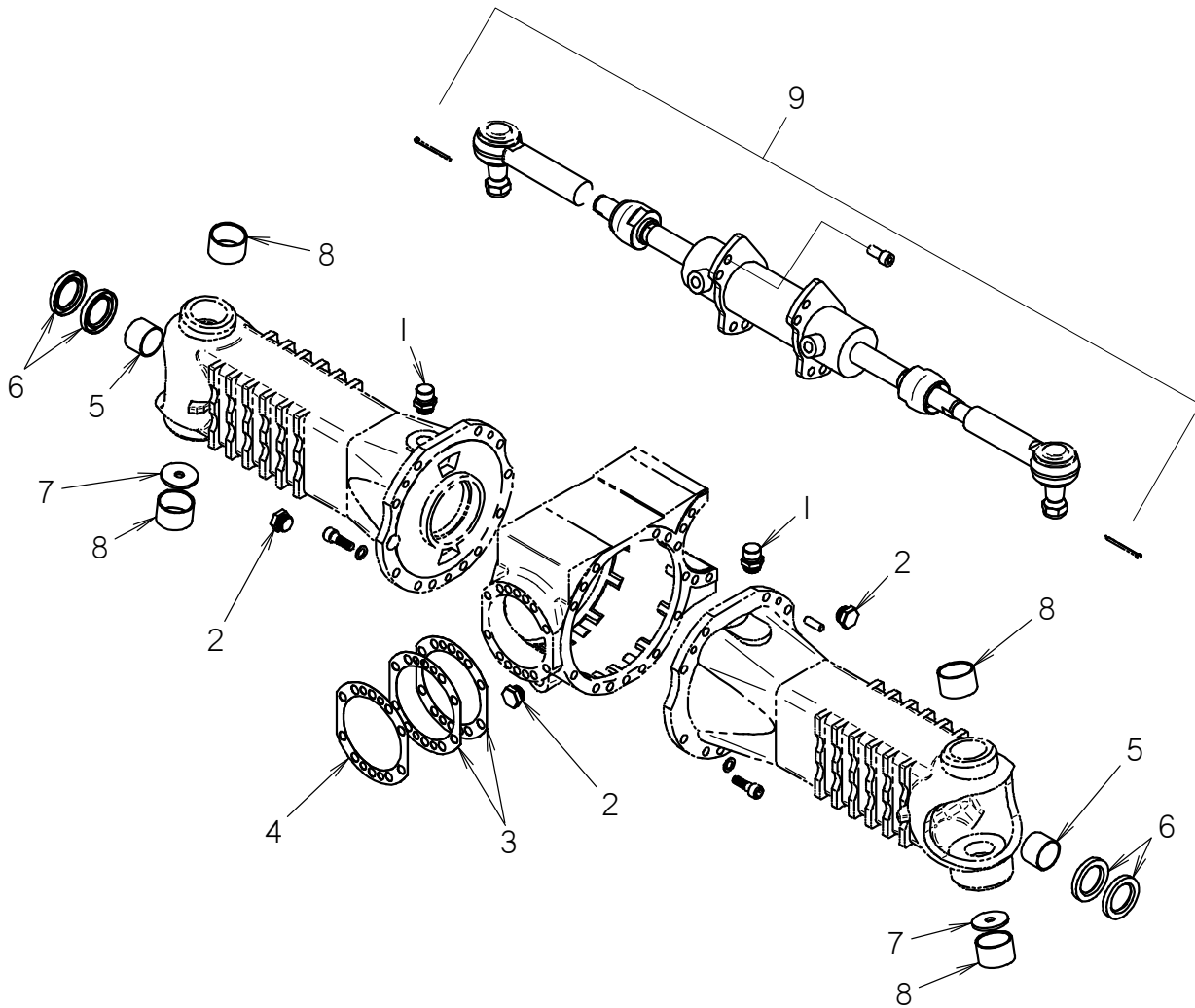
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	205-1119	-	T & W (35 X 19.0-16.1)	INCL. REF #'S 1-4
1	205-1116	1	WHEEL (16.1 X 16WD W/6)	
2	205-184	1	TIRE (35 X 19.00-16.1)	
3	205-168	1	VALVE STEM	
4	205-165	1	VALVE CAP (.305"-32)	

NOT SHOWN:

FOOTNOTES:

NOTE:

STEERING AXLE SERIES 80 RT80 SERVICE PARTS



STEERING AXLE SERIES 80 RT80 SERVICE PARTS

REF PART

NO. NUMBER QTY DESCRIPTION REMARKS

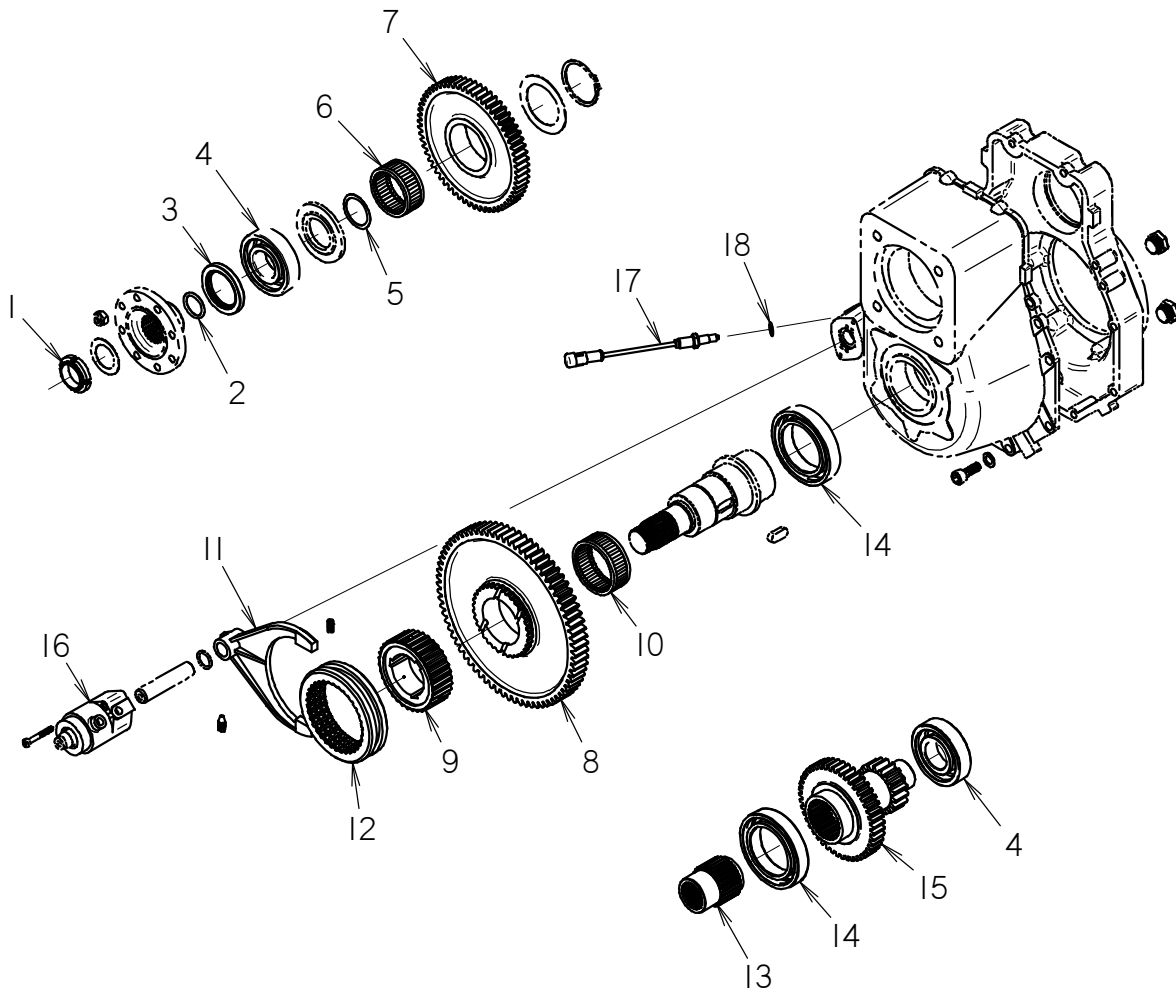
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	500-1747	2	OIL PLUG M10 X 1	
2	500-1750	3	PLUG (M22 X 1.5 DIN 909)	
3	500-1751	2	PAPER GASKET, 0.2	
4	500-1752	1	PAPER GASKET, 0.1	
5	500-1753	2	BUSHING (35 X 39 X 30)	
6	500-1754	4	SEAL RING (BASL 35-47-7)	
7	500-1748	2	THRUST WASHER	
8	500-1749	4	BUSHING (35 X 39 X 20) BIMET	
9	160-1176	1	STEERING CYLINDER ASSEMBLY (COMER)	

NOT SHOWN:

FOOTNOTES:

NOTE:

2 SPEED GEARBOX RT80



2 SPEED GEARBOX RT80

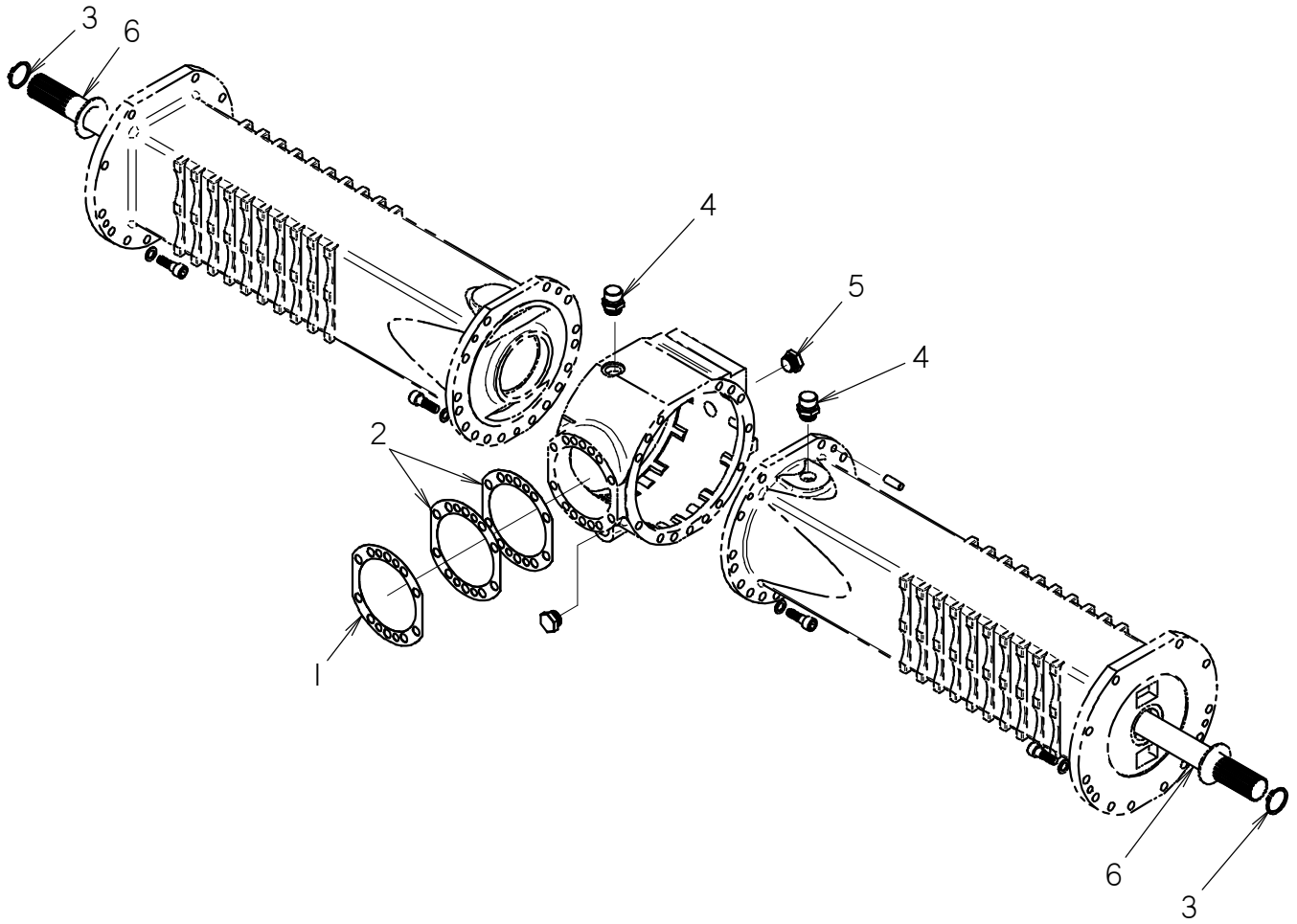
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	160-1192	-	TRANSMISSION, 2-SPD	
1	500-1730	1	SELF LOCK NUT GP (M35 x 1.5)	
2	500-1731	1	O-RING 4112	
3	500-1732	1	OIL SEAL (BASL 50 X 72 X 8)	
4	500-1733	2	BALL BEARING 6308	
5	500-1734	1	SHIM (40 X 50)	
6	500-1735	1	ROLLER CAGE	
7	500-1736	1	2° GEAR	
8	500-1740	1	1° SPEED GEAR	
9	500-1739	1	SELECTION GEAR	
10	500-1741	1	ROLLER CAGE	
11	500-1737	1	FORK	
12	500-1738	1	SELECTION TOOTHED SLEEVE	
13	500-1729	1	INPUT GEAR	
14	500-1742	2	BALL BEARING 6014	
15	500-1743	1	PRIMARY SHAFT	
16	500-1744	1	SELECTION SPEED RAM	
17	500-1745	1	BALL SWITCH, SHIFTER	
18	500-1746	1	SHIM	

NOT SHOWN:

FOOTNOTES:

NOTE:

AXLE HOUSING RIGID RT80



AXLE HOUSING RIGID RT80

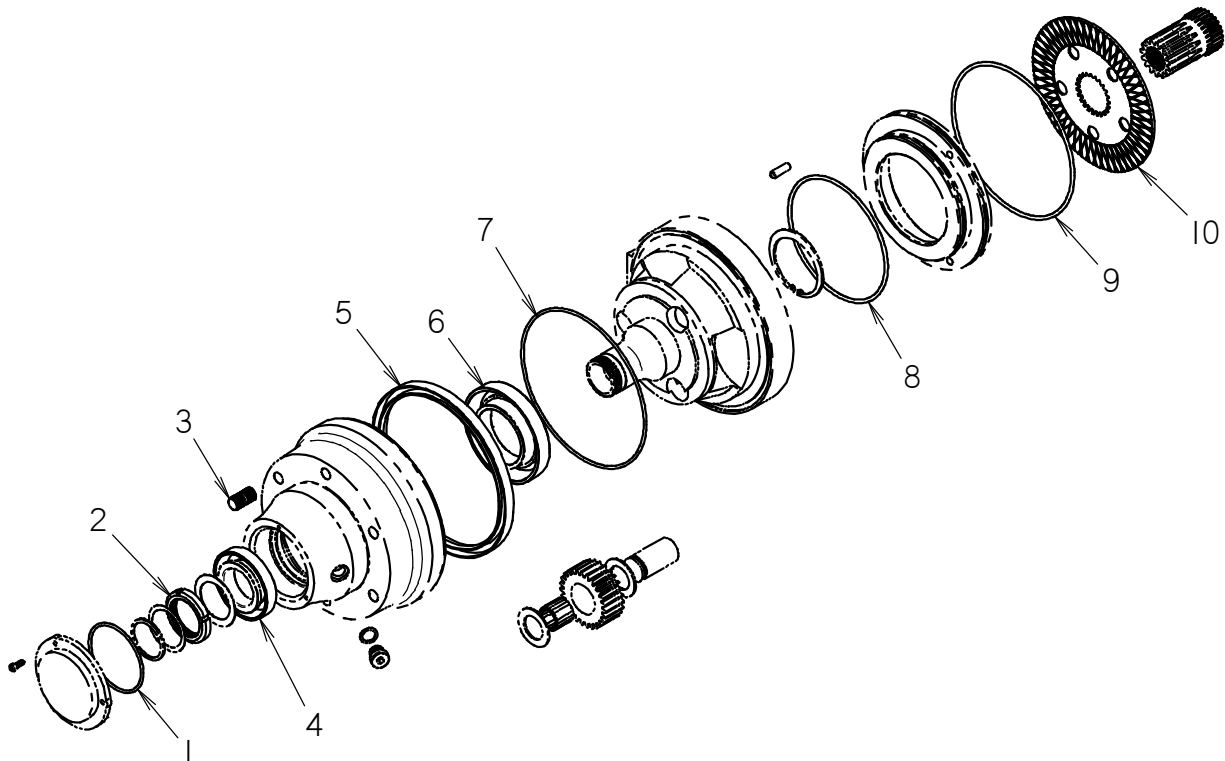
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	500-1752	1	PAPER GASKET, 0.1	
2	500-1751	2	PAPER GASKET, 0.2	
3	500-1764	2	SNAP RING, 34mm	
4	500-1747	2	OIL PLUG M10 X 1	
5	500-1750	2	PLUG (M22 X 1.5 DIN 909)	
6	500-1763	2	AXLE	

NOT SHOWN:

FOOTNOTES:

NOTE:

PLANETARY WHEEL END RT80



PLANETARY WHEEL END RT80

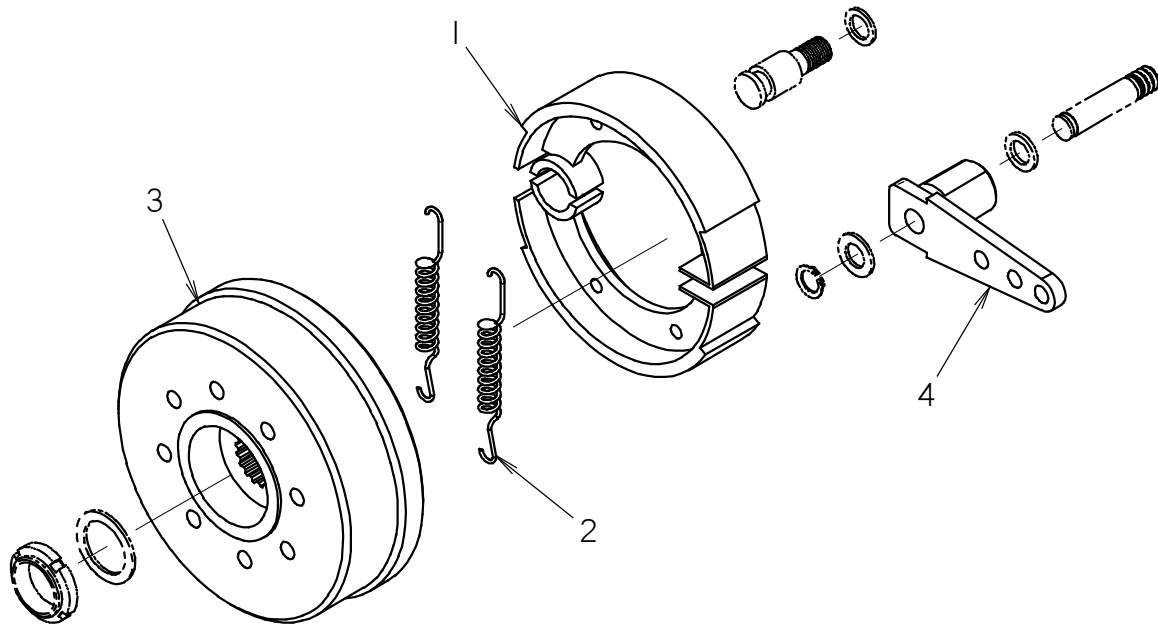
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	105-1415	1	O-RING 4387	
2	105-1416	1	NUT	
3	500-1756	1	STUD BOLT (M18 X 1.5, 10.9)	
4	125-1037	1	BEARING	
5	105-1413	1	SEAL	
6	125-1038	1	BEARING	
7	500-1760	1	O-RING 4387	
8	500-1759	1	QUADRING 238-957	
9	500-1757	1	QUADRING 238-959	
10	500-1758	1	BRAKE DISC	

NOT SHOWN:

FOOTNOTES:

NOTE:

PARK BRAKES RT80



PARK BRAKES

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	500-1761	1	BRAKE SHOE, PAIR	
2	500-1762	2	SPRING	
3	500-1776	1	BRAKE DRUM	
4	105-1417	1	BRAKE LEVER	

NOT SHOWN:

FOOTNOTES:

NOTE:

LS DIFFERENTIAL ASSEMBLY

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	160-1191	-	DIFFERENTIAL ASSEMBLY	
1	500-1765	2	TAPERED ROLLER BEARING 30210	

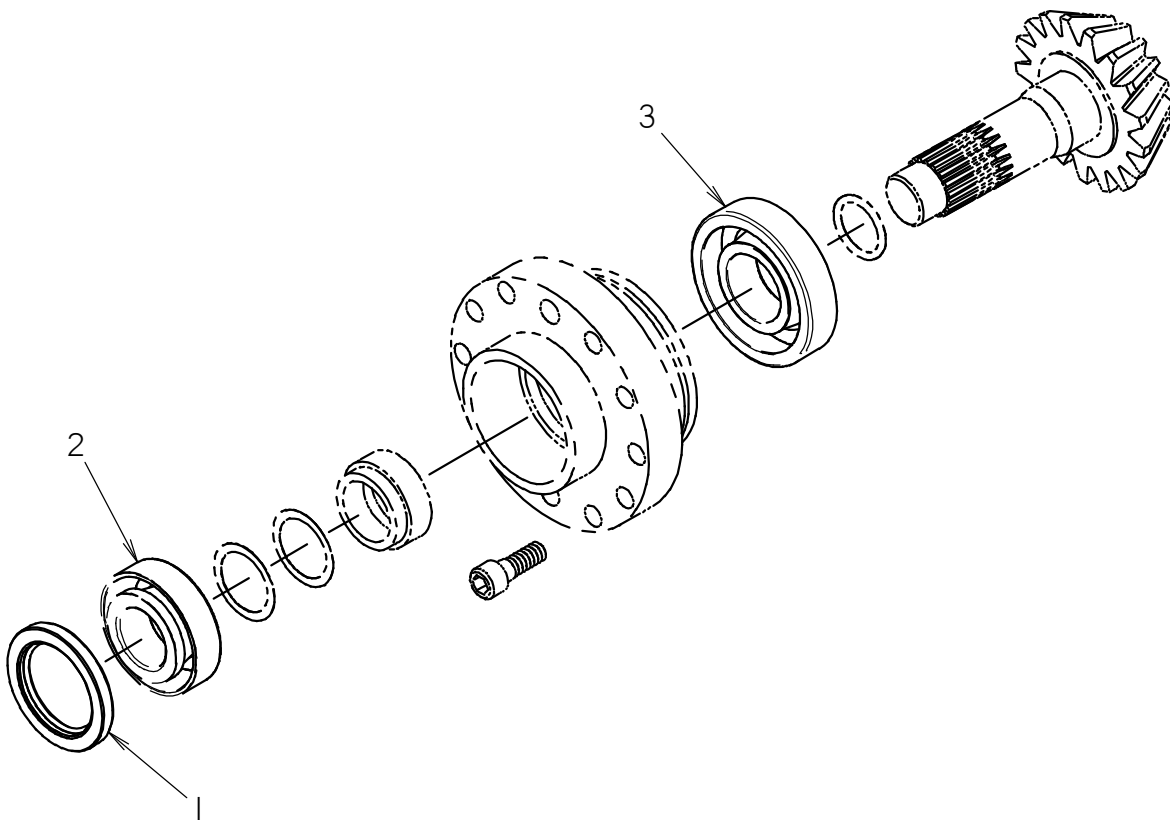
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FOOTNOTES:

NOTE:

PINION ASSEMBLY

RT80



PINION ASSEMBLY

RT80

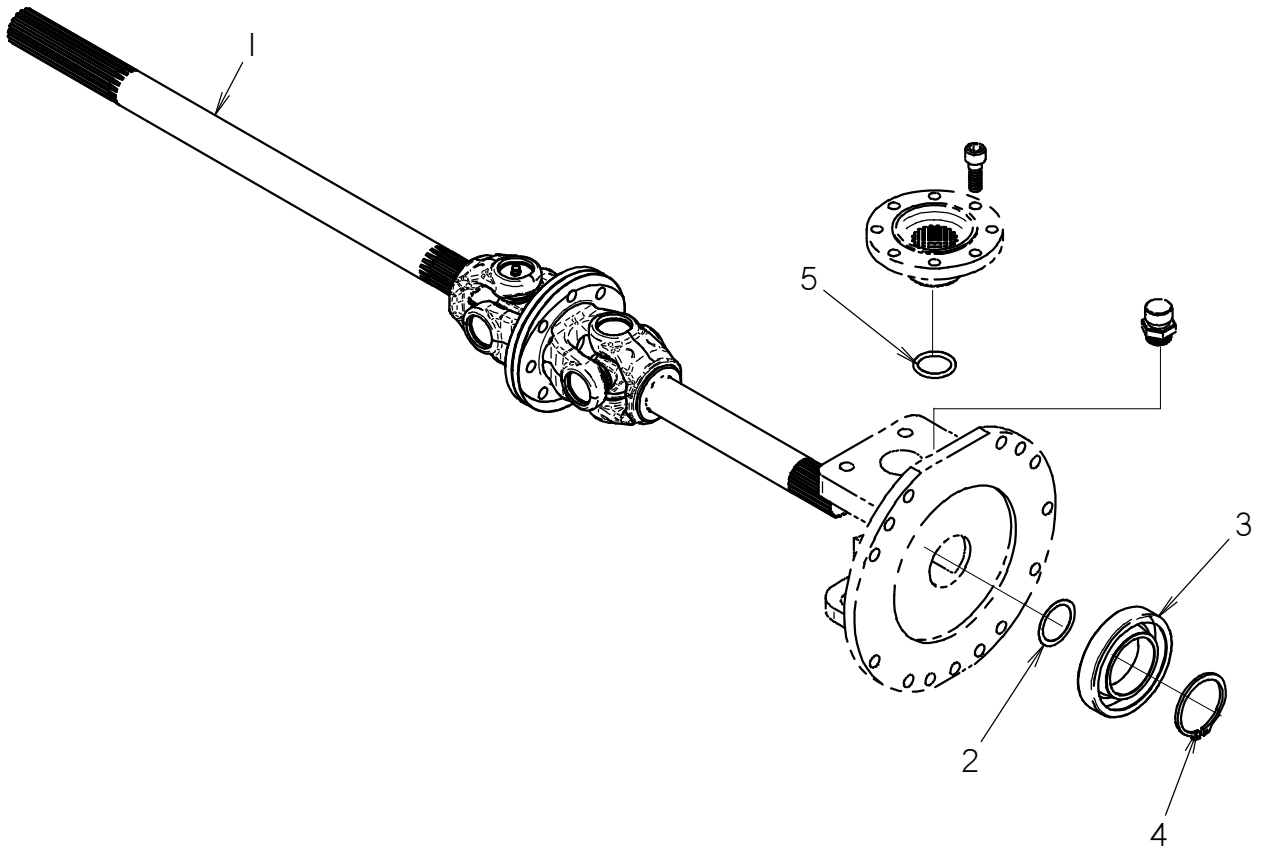
REF PART NO. NUMBER	QTY	DESCRIPTION	REMARKS	
	500-1775	-	PINION ASSEMBLY	INCL'S REF. NO'S 1 THRU 3
1	500-1768	1	OIL SEAL (BASL 50 X 72 X 8)	
2	500-1766	1	TAPER ROLLER BEARING 32207	
3	500-1767	1	TAPER ROLLER BEARING 30308	

NOT SHOWN:

FOOTNOTES:

NOTE:

DRIVE SHAFT & KNUCKLE RT80



DRIVE SHAFT & KNUCKLE RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	500-1769	1	AXLE SHAFT ASSEMBLY	
2	500-1770	1	SEAL RING (BASL 35-47-7)	
3	500-1771	1	BEARING 6207	
4	500-1772	1	SNAP RING E34	
5	500-1773	1	FELT	

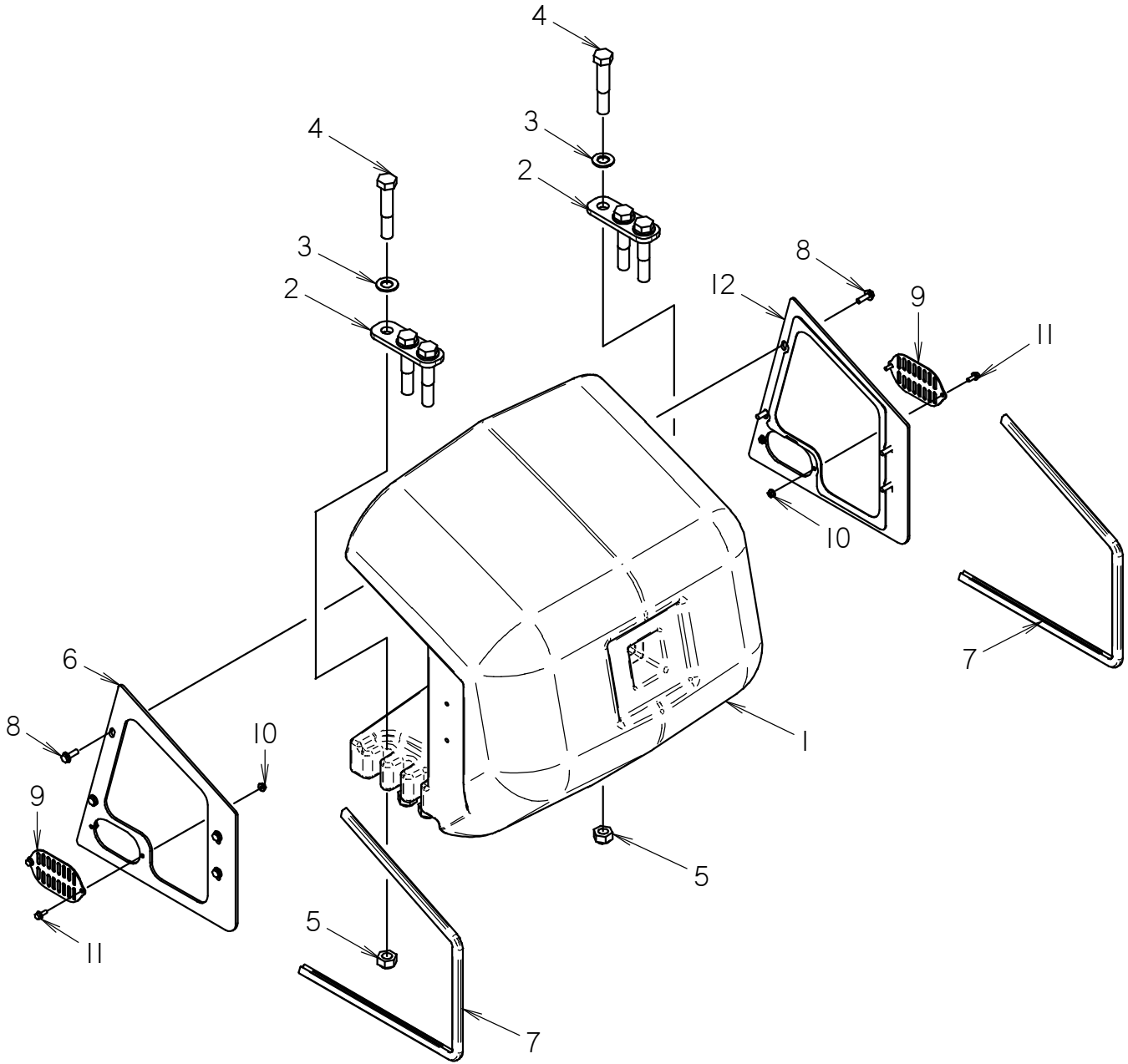
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FOOTNOTES:

NOTE:

FRAME COMPONENTS

FRONT WEIGHT AND GRILLES RT80



FRONT WEIGHT AND GRILLES RT80

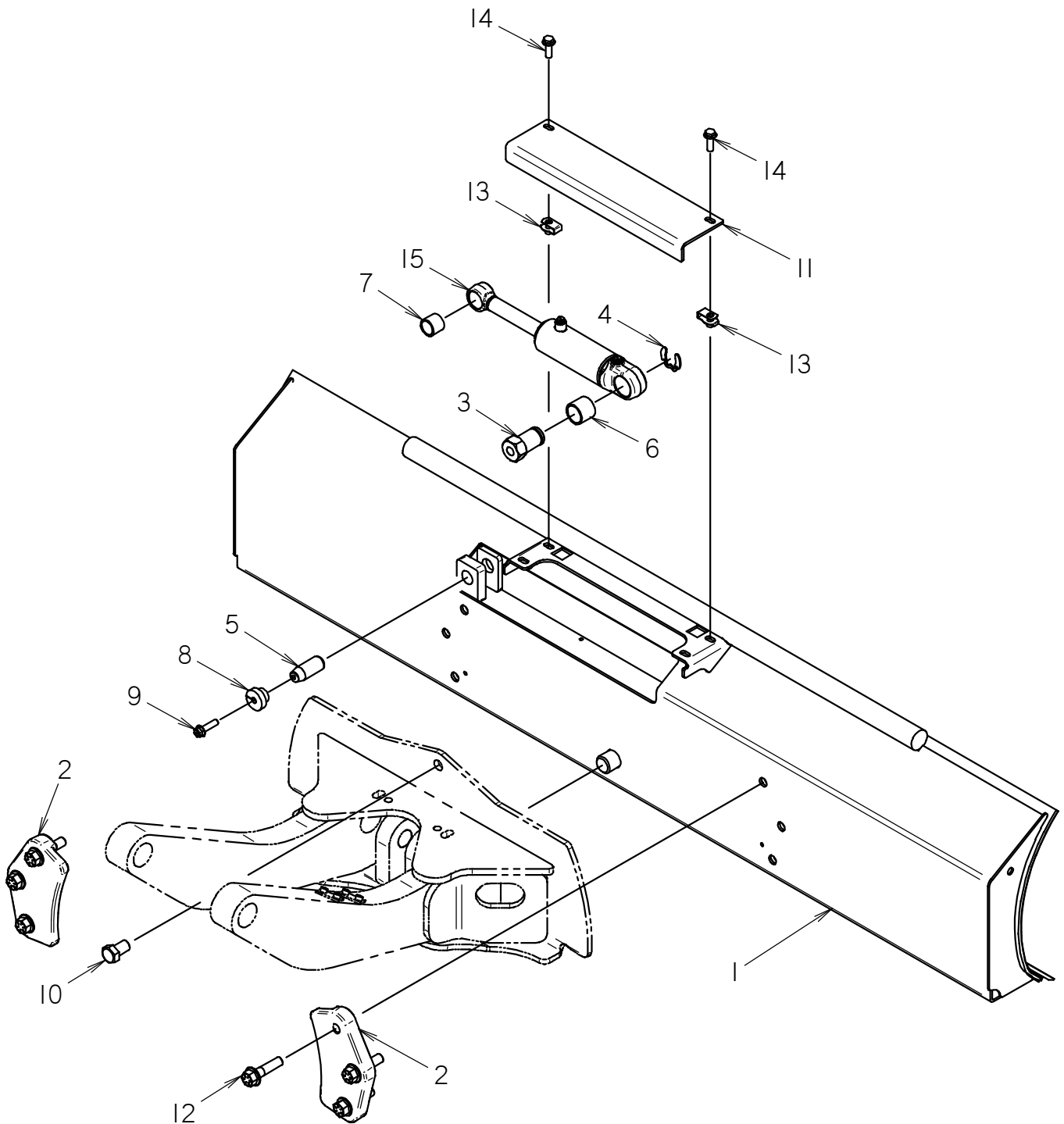
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	375-441	1	NOSE CASTING	
2	179-785	2	CLAMP BAR	
3	106-393	6	WASHER (M20)	
4	106-663	6	SCREW (M20-2.50 X 110MM, 10.9)	
5	106-665	6	LOCKNUT (M20-2.50, 10.9)	
6	322-778	1	RIGHT GRILLE	
7	115-704	AR	BULK EDGE (1/4", SOLD PER 1')	USE 2 @ 38"
8	105-798	8	FLG SCREW (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:

BACKFILL BLADE RT80



BACKFILL BLADE

RT80

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 (1.000")	
8	181-981	1	TAPERED INSERT (1")	
9	105-874	1	FLG LK BOLT(3/8-NCX1-1/2") LO	
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	151-228	1	CYL (2" X 1" X 2.16")	

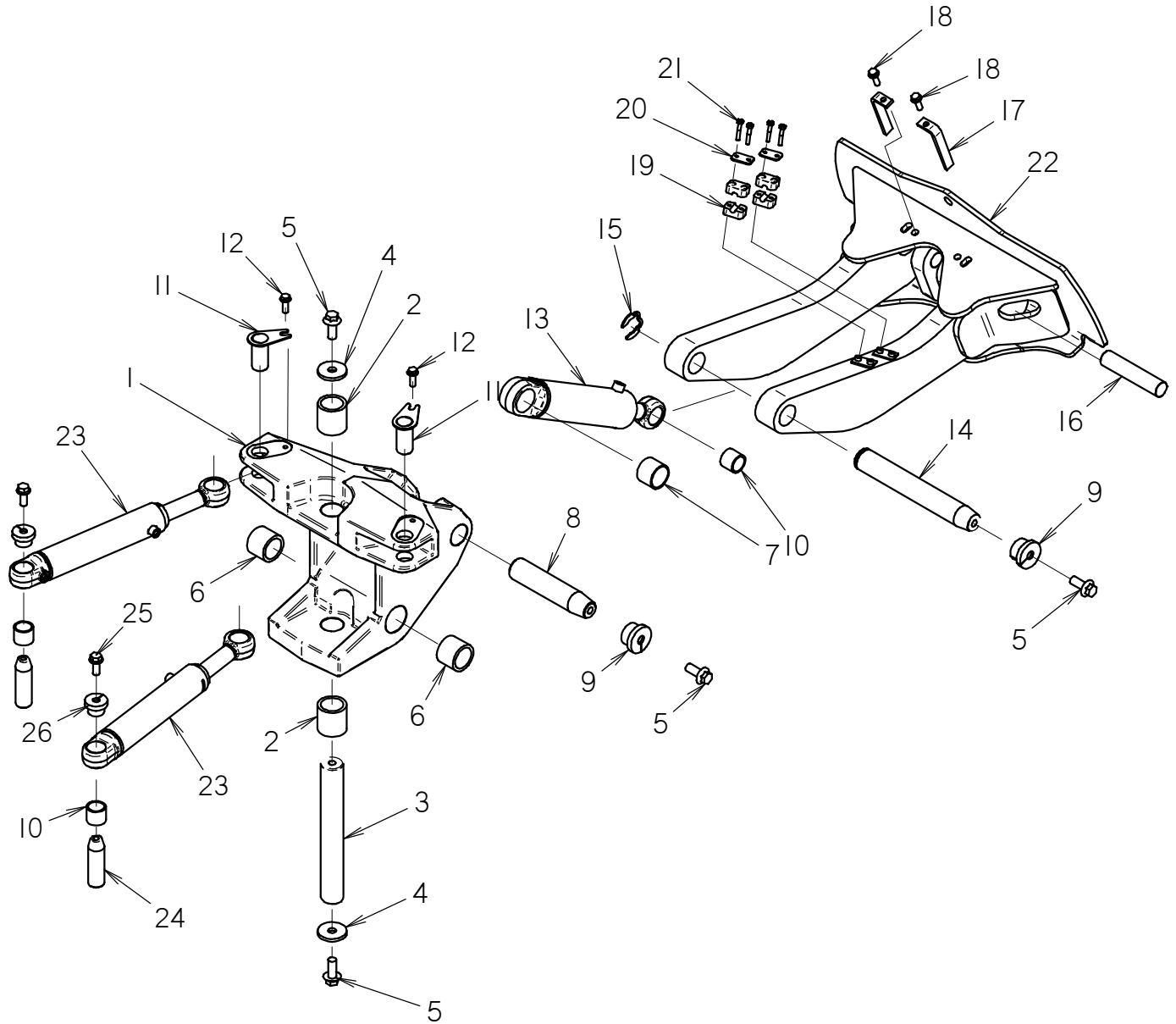
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FOOTNOTES:

NOTE:

BACKFILL BLADE PIVOT

RT80



BACKFILL BLADE PIVOT RT80

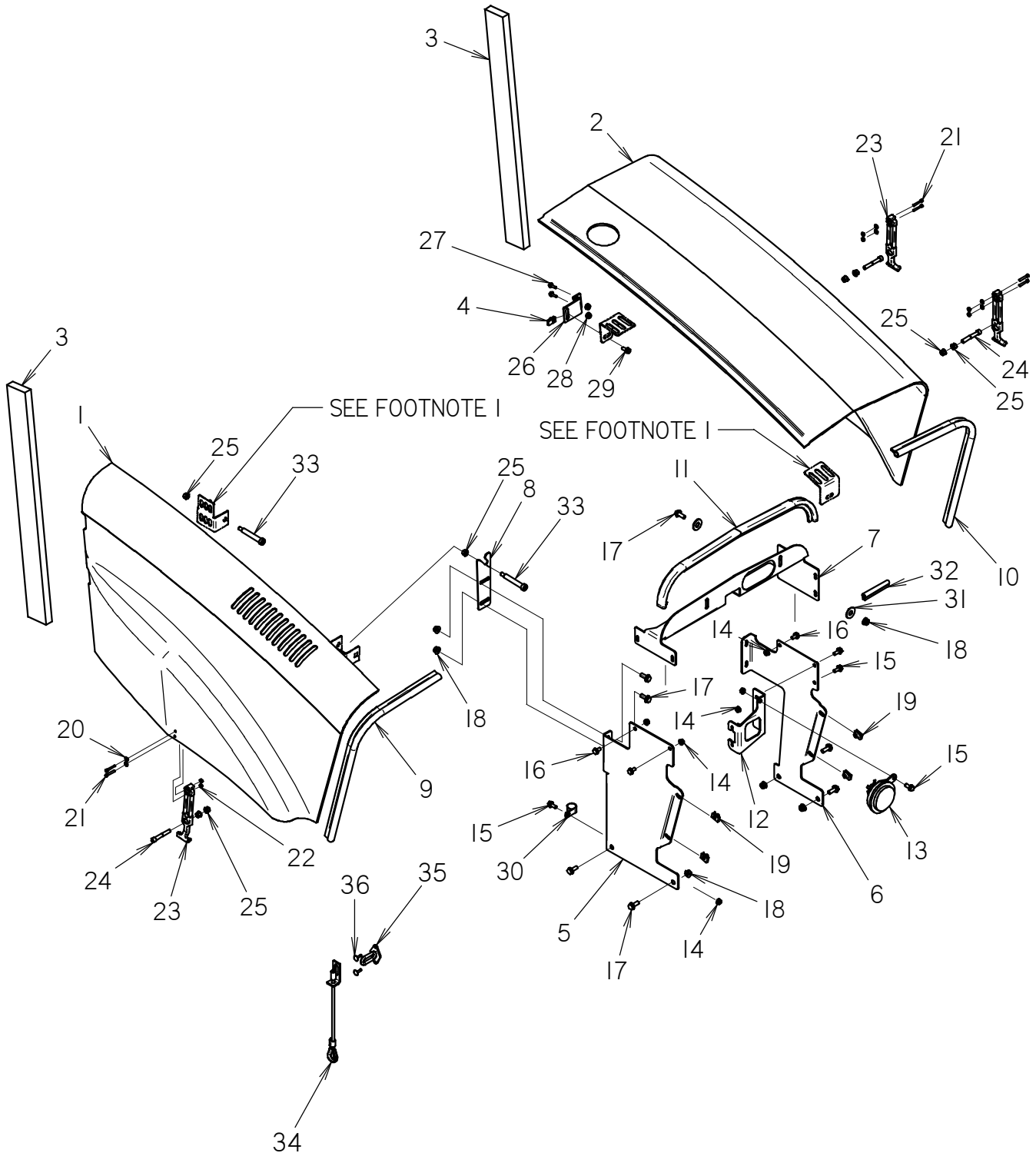
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	331-475	1	PIVOT	
2	125-822	2	COMPOSITION BUSHING (1.750")	
3	178-572	1	PIN (1.750" X 12.750")	
4	105-416	2	WASHER (5/8")	
5	106-470	4	FLG SCREW (M16-2.0 X 40MM)	
6	125-773	2	COMPOSITION BUSHING (1.75")	
7	125-739	1	COMPOSITION BUSHING (1.756")	
8	183-768	1	TAPERED PIN (44.4MM X 205MM)	
9	181-975	2	TAPERED INSERT (1.75")	
10	125-771	3	COMPOSITION BUSHING (1.25")	
11	300-8460	2	TAB PIN (1.25 X 2.57)	
12	106-164	2	FLG LK SCREW (M10-1.50 X 30MM)	
13	151-045	1	CYL (2.5 X 1.25 X 8.0)	
14	183-781	1	TAPERED PIN(44.4 X 303MM)	
15	115-504	1	KLIP RING (1.750")	
16	179-803	1	PIN (1.250" X 6.00")	
17	309-138	2	RETAINER	
18	106-383	2	FLG LK SCREW (M10-1.50 X 30MM)	
19	110-866	2	CLAMP SET (1/2")	
20	110-958	2	BACKUP PLATE	
21	105-818	4	BOLT (1/4-NC X 1-1/2")	
22	320-957	1	BLADE MOUNT	
23	151-057	2	CYL (2.0 X 1.25 X 8.0)	
24	178-394	2	TAPERED PIN (1.250" X 4.25")	
25	105-830	2	FLG LK BOLT (1/2-NC X 1-1/4")	
26	181-982	2	TAPERED INSERT (1.25")	

NOT SHOWN:

FOOTNOTES:

NOTE:

HOOD AND PANELS RT80



HOOD AND PANELS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1315	1	RIGHT HOOD	SEE FOOTNOTE 1
2	362-1314	1	LEFT HOOD	SEE FOOTNOTE 1
3	118-166	2	SOUND INSULATION	
4	105-841	1	CLIP NUT (5/16-NC)	
5	300-8078	1	RIGHT BRACKET	
6	300-8077	1	LEFT BRACKET	
7	300-6932	1	FRONT HOOD MOUNT	
8	301-1130	1	HOOD MOUNT BRACKET	SEE FOOTNOTE 3
9	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	
10	116-978	AR	BULK EDGE (1/4", SOLD PER FT)	
11	116-421	1	BULK EDGE (1/8", SOLD PER FT)	
12	300-8080	1	BRACKET	
13	192-006	1	HIGH FREQUENCY HORN	
14	106-386	7	FLG LOCKNUT (M8-1.25)	
15	106-162	4	FLG SCREW (M8-1.25 X 20MM, GD8)	
16	107-095	3	FLG SCREW (M8-1.25 X 16MM)	
17	107-001	7	FLG LK SCREW (M10-1.50 X 25MM)	
18	106-387	6	FLG LOCKNUT (M10-1.50)	
19	106-551	4	CLIP NUT (M8-1.25)	
20	106-394	6	WASHER (M6, HARDENED)	
21	105-1431	6	BOLT (#10-24 X 1-1/4",SOC,GD8, ZP)	
22	106-048	6	LOCKNUT (#10-24)	
23	110-681	3	DRAW LATCH	
24	105-281	3	BOLT (3/8-NC X 2-1/2",SOC,GD8)	
25	105-845	8	FLG LOCKNUT (3/8-NC)	
26	322-946	1	BRACKET	
27	106-161	2	FLG SCREW (M6-1.00 X 20MM)	
28	105-003	2	FLG LOCKNUT (5/16-NC)	
29	105-823	1	FLG LK BOLT (5/16-NC X 3/4")	
30	110-333	1	BOLT-ON CLAMP (1")	SECURES FLUSHING VALVE RETURN HOSE
31	105-071	2	WASHER (1/2")	
32	116-421	1	BULK EDGE (1/8", SOLD PER 1')	
33	105-1435	2	SHLD BLT (1/2" X 3/4", 3/8-NC)	
34	194-345	1	LOCK CABLE	
35	318-523	1	LOCK BRACKET	
36	110-348	2	POP RIVET (3/16" X .664')	

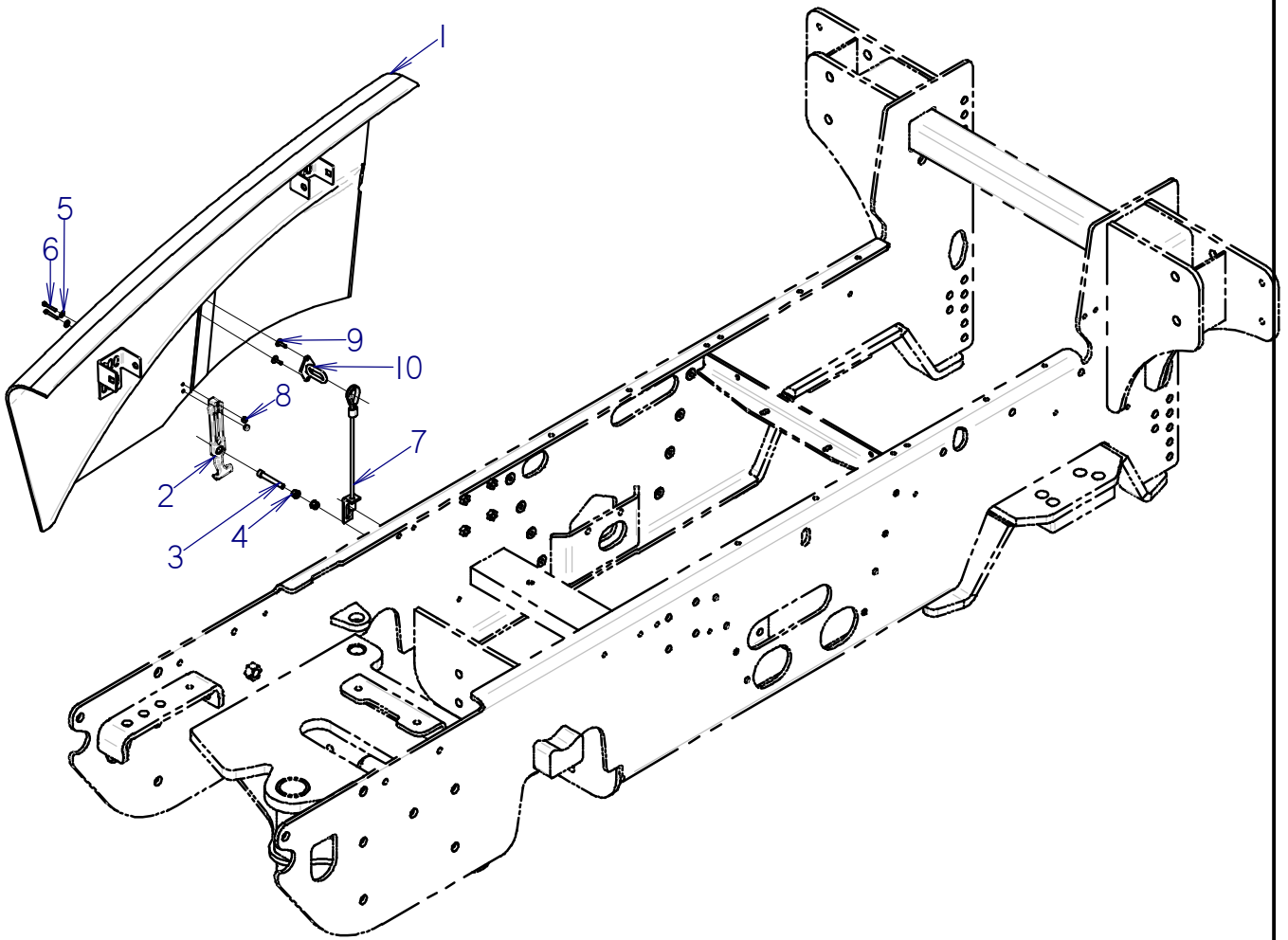
NOT SHOWN:

FOOTNOTES:

1. PHANTOM PARTS ARE PART OF HOOD ASSEMBLIES, SHOWN AWAY FROM HOOD TO SHOW HARDWARE DETAIL.
2. WHEN E.C. KIT 350-2156 IS USED REF #39 WILL ATTACH TO BOLT 105-281 (REF#27) BETWEEN NUTS 105-845 (REF#28).
3. IF REPLACING 322-948 WITH 301-1130, REPLACE BOTH BRACKETS.

NOTE:

SIDE PANEL LOCK KIT



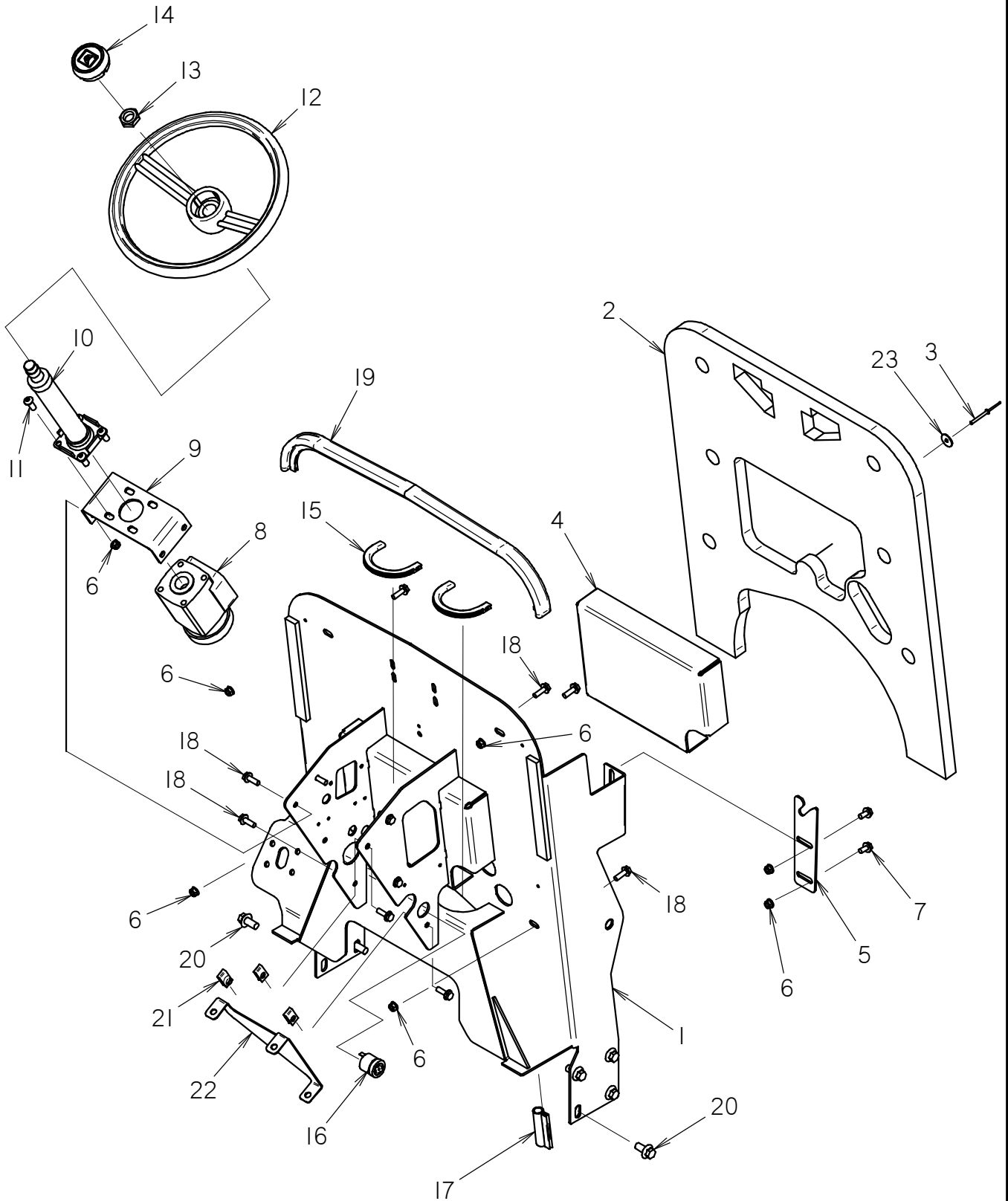
SIDE PANEL LOCK KIT

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:

FIREWALL RT80



FIREWALL

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8056	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	10	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	107-864	4	BOLT (3/8-NC X 1.00", BUT SOC)	
12	160-428	1	STEERING WHEEL	
13	105-361	1	JAM NUT (13/16-NF)	
14	110-730	1	STEERING WHEEL CAP	
15	115-686	AR	BULK EDGE (5/32",SOLD PER 1')	USE 2 @ 7"
16	306-603	1	AUDIO ALARM	
17	116-421	28	BULK EDGE (1/8", SOLD PER 1')	USE 1 @ 28"
18	106-381	11	FLG LK SCREW (M8-1.25 X 25MM)	
19	116-421	28	BULK EDGE (1/8", SOLD PER FT)	USE 1 @ 28"
20	107-009	6	FLG LK SCREW (M12-1.75 X 25MM)	
21	107-135	3	CLIP NUT (M8-1.25)	
22	325-587	1	BRACKET	
23	107-936	8	WASHER (1/4"ID X 1"OD)	

NOT SHOWN:

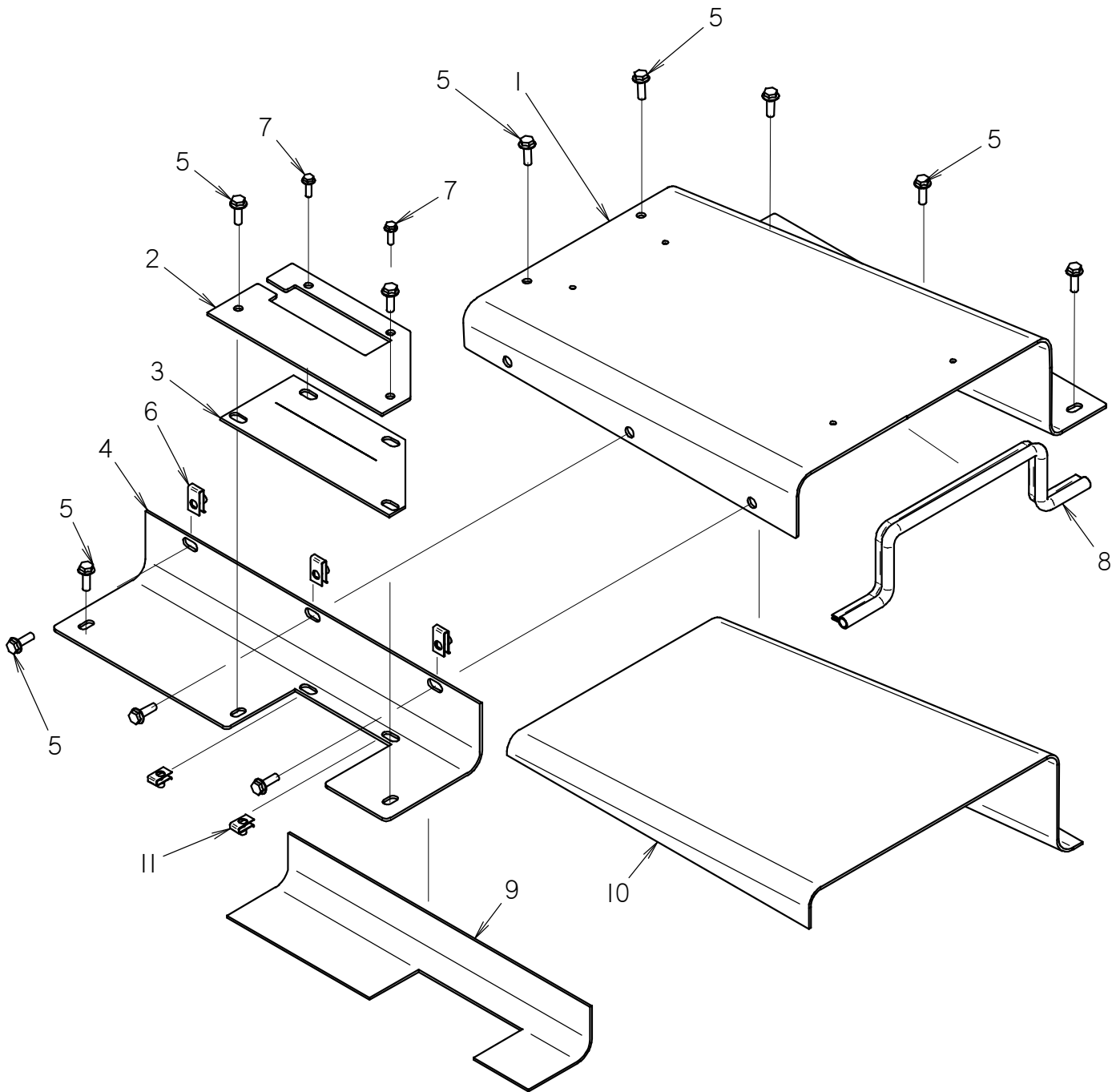
FOOTNOTES:

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

NOTE:

- I. REFER TO "CONSOLE" ID0210982 FOR MORE INFO.

FRONT TUNNEL RT80



FRONT TUNNEL

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8184	1	LEFT FLOOR PLATE	
2	300-8059	1	CLAMP PLATE	
3	300-8058	1	DUST COVER	
4	300-8185	1	RIGHT FLOOR PLATE	
5	106-381	11	FLG LK SCREW (M8-1.25 X 25MM)	
6	107-135	3	CLIP NUT (M8-1.25)	
7	106-161	2	FLG SCREW (M6-1.00 X 20MM)	
8	116-421	32	BULK EDGE (1/8", SOLD PER 1')	USE 1 @ 32"
9	362-1377	1	RIGHT FLOOR INSULATION	ADHERES TO REF #1, 300-8184
10	362-1378	1	LEFT FLOOR INSULATION	ADHERES TO REF #4, 300-8185
11	106-574	2	CLIP NUT (M6-1.00)	

NOT SHOWN:

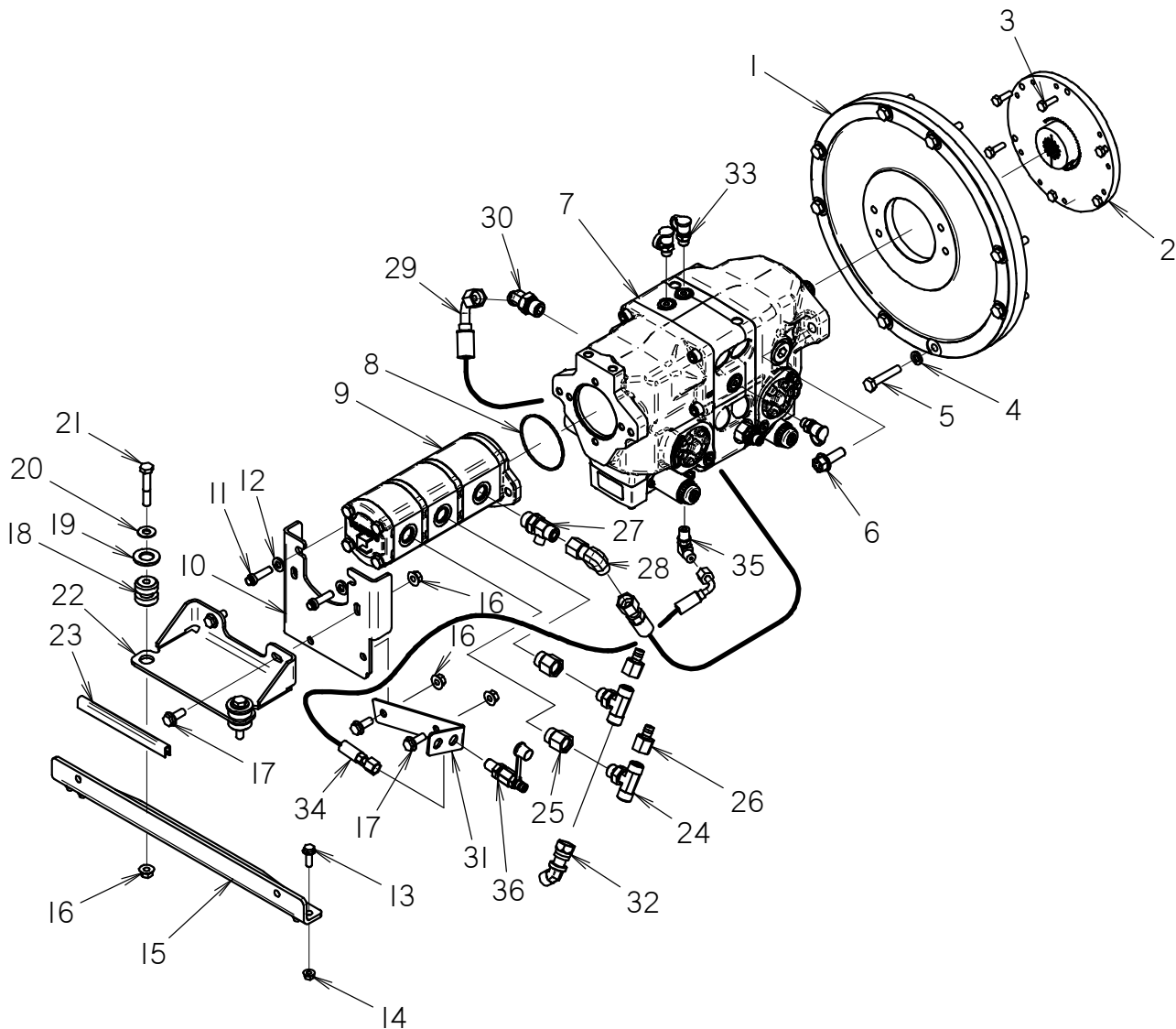
FOOTNOTES:

NOTE:

PUMP MOUNT

RT80

ENDS WITH S/N _____.



PUMP MOUNT**RT80****ENDS WITH S/N_____.**

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	194-763	1	MOUNT PLATE	
2	195-1430	1	FLYWHEEL/PUMP COUPLING	TORQUE TO 45 ft. /lbs. ON CLAMP SHAFT
3	105-806	6	SCREW (M8-1.25 X 25MM)	
4	105-073	8	LOCK WASHER (7/16")	
5	105-839	8	SCREW (M10-1.50 X 55MM)	
6	106-499	2	FLG BOLT (1/2-NC X 1-1/2",GD8)	
7	150-2193	1	HI TANDEM PUMP	
8	157-041	1	O-RING (152 D70)	
9	150-2267	1	TRIPLE PUMP (RT80)	
10	322-387	1	PUMP SUPPORT PLATE	
11	106-435	2	FLG SCREW (M10-1.50X35MM, FER)	TORQUE TO 30 ft. lbs. / USE LOCTITE 271 OR EQUIVALENT
12	106-396	2	WASHER (M10, HARDENED)	
13	106-992	4	FLG LK SCREW (M8-1.25 X 25MM)	
14	106-386	4	FLG LOCKNUT (M8-1.25)	
15	325-249	1	REAR PUMP SUPPORT	
16	106-387	5	FLG LOCKNUT (M10-1.50)	
17	107-001	4	FLG LK SCREW (M10-1.50 X 25MM)	
18	116-128	2	SHOCK MOUNT	
19	105-975	2	WASHER (3/4")	
20	105-118	2	WASHER (3/8")	
21	106-628	2	SCREW (M10-1.50 X 60MM)	
22	300-8081	1	PUMP MOUNT BRACKET	
23	115-704	1	BULK EDGE (1/4", SOLD PER 1")	
24	154-337	2	BRANCH TEE (08S-080-080)	REFER TO FOOTNOTE 1
25	155-193	2	REDUCER (10S-08SF)	
26	159-158	2	QDC ADAPTER (02-080FX)	
27	154-473	1	RUN TEE (10S-080-040)	
28	154-256	1	UNION (080-080FX90)	
29	154-740	1	HOSE (080FX90S-26"-3000)	
30	154-264	1	CONNECTOR (080-10S45)	
31	300-8154	1	TEST PORT BRACKET	
32	150-1789	1	CONNECTOR (080-080FX45)	
33	159-147	3	QDC ADAPTER (02-06S)	
34	153-911	1	HOSE (040FX90-10"-5000-AR)	
35	154-226	1	CONNECTOR (040-06S90)	
36	155-260	1	QDC ADAPTER (02-040BK)	

NOT SHOWN:

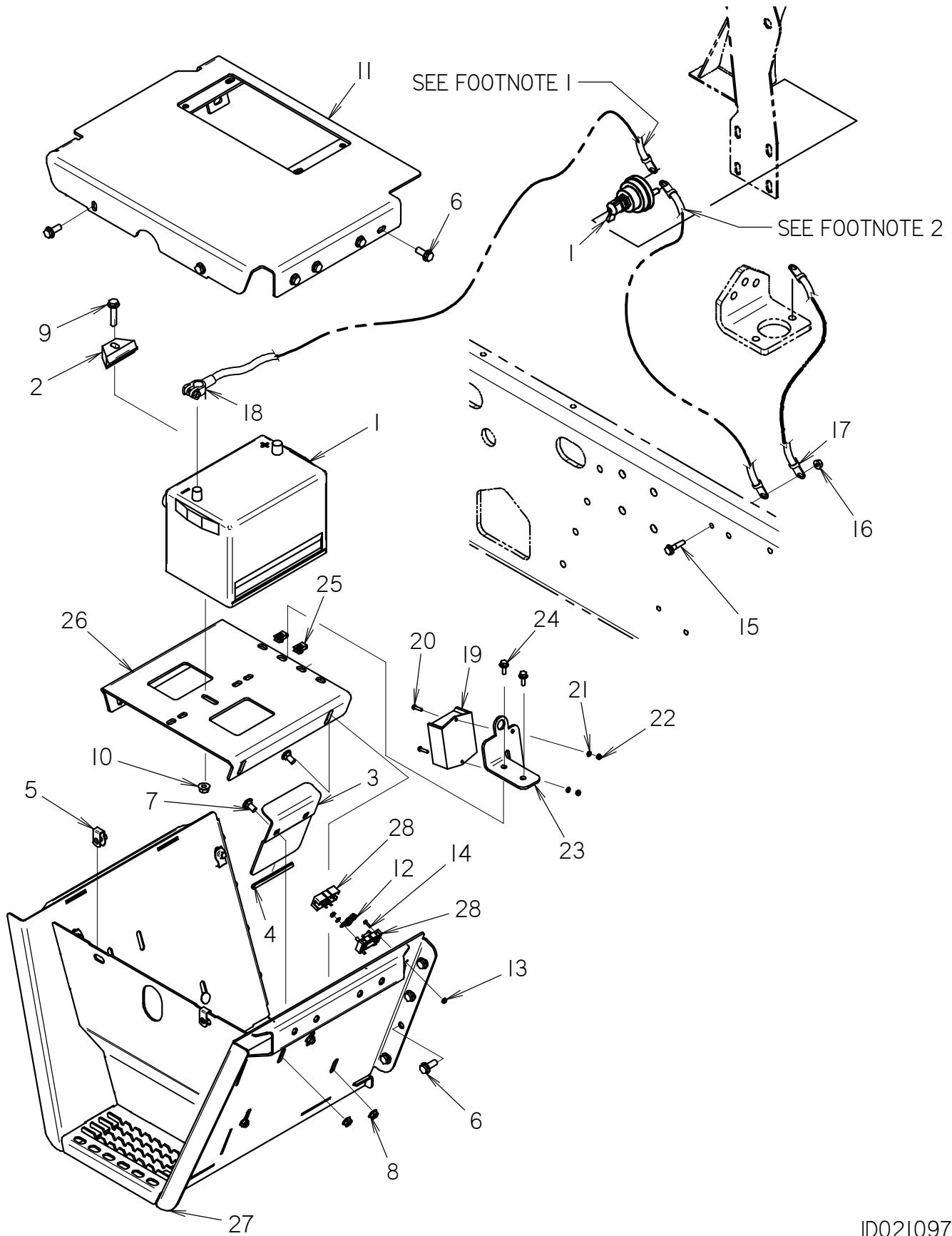
FOOTNOTES:

1. REFER TO "PLUMBING" ID0206906 & "BFB HYDRAULICS" ID0211060 FOR HOSES.

NOTE:

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

RIGHT CRADLE RT80



RIGHT CRADLE RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	217-819	1	BATTERY DISCONNECT SWITCH	SEE FOOTNOTE 2
1	215-244	1	BATTERY	
2	107-554	1	BATTERY HOLD DOWN	
3	334-090	1	BATTERY HOLD DOWN	
4	116-789	5	RUBBER EDGE TRIM 1/8" (FT)	USE 1 @ 5"
5	106-558	4	CLIP NUT (M10-1.50)	
6	106-724	16	FLG SCREW (M10-1.50 X 25MM)	
7	105-835	5	CARRIAGE BOLT (3/8-NC X 3/4")	
8	105-834	5	FLG LOCKNUT (3/8-NC)	
9	106-995	1	FLG LK SCREW (M10-1.50 X 45MM)	
10	106-266	1	FLG NUT (M10-1.50)	
11	325-848	1	STEP	
12	211-305	1	BK/AMI 125 AMP FUSE	
13	107-859	1	NUT, LOCK, #6-32, NYLON INSERT	
14	106-367	2	SCREW (#6-32 X 1/2" PLPS SS)	
15	106-989	1	FLG LK SCREW (M8-1.25 X 35MM)	
16	106-386	1	FLG LOCKNUT (M8-1.25)	
17	213-151	1	NEG BAT CABLE (1/0 X 12", BLK)	
18	213-150	1	NEG BAT CABLE (1/0 X 36", BLK)	SEE FOOTNOTE 1
19	220-1158	1	12-PIN CONTROLLER	
20	106-349	2	SCREW (#8-32 X 3/4" PAN)	
21	106-013	2	WASHER (3/16")	
22	106-350	2	NUT, HEX, #8-32	
23	300-8643	1	MODULE BRACKET	
24	105-819	2	FLG LK BOLT (1/4-NC X 1")	
25	107-754	2	CLIP NUT (1/4", CVR .125" THK)	
26	300-8573	1	BATTERY PLATE	
27	300-9500	1	CRADLE WELDMENT	
28	363-714	1	MODIFIED FUSE PANNEL ASSEMBLY	

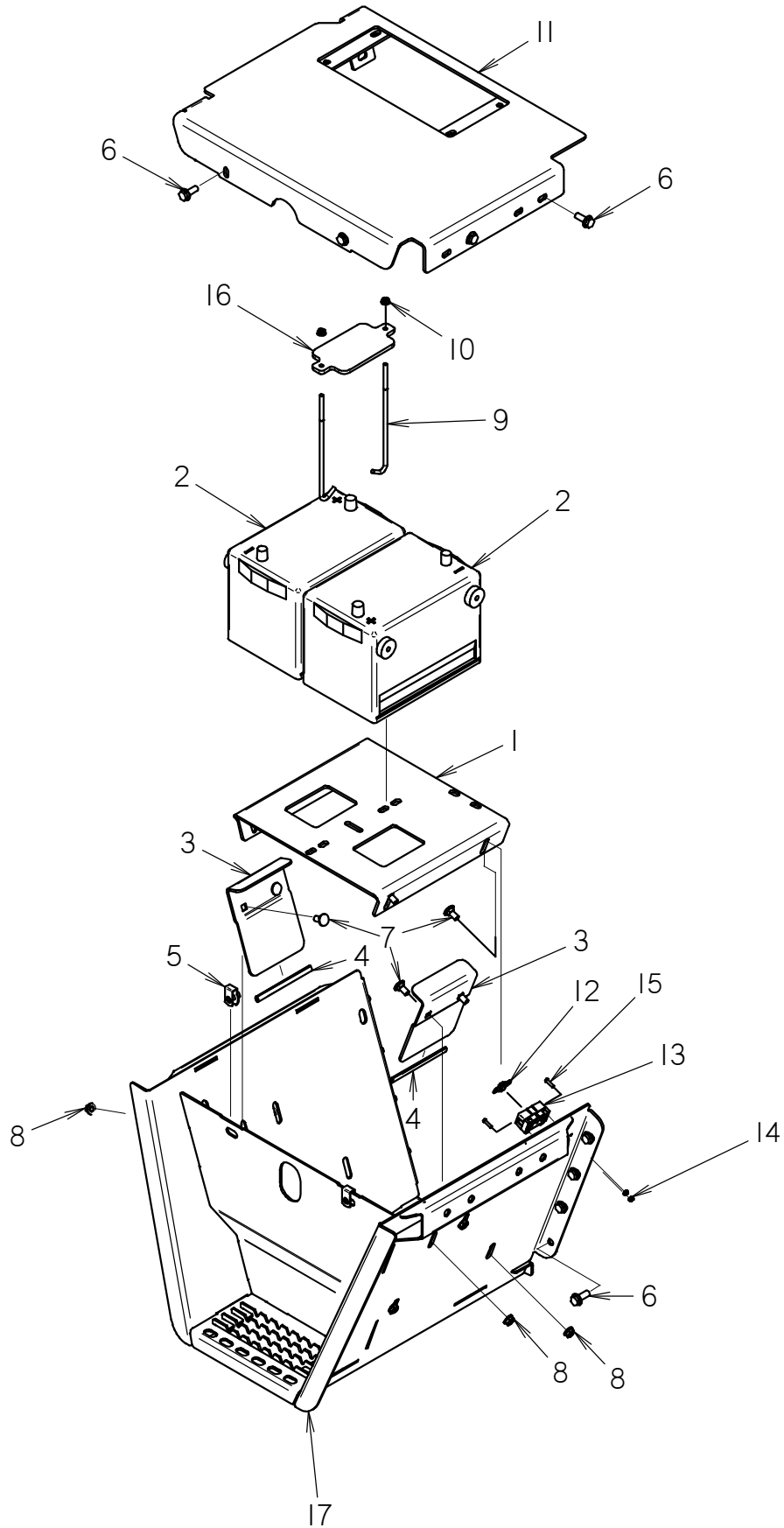
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FOOTNOTES:

1. NEG BATTERY CABLE IS BOLTED DIRECTLY TO THE FRAME WHEN NO EC KIT IS IN USE.
2. DISCONNECT SWITCH & NEG. BATTERY CABLE, 215-314 SHOWN, ARE INCLUDED IN RT80 EC KIT, 350-2156.
NEG BATTERY CABLE IS ATTACHED TO THE DISCONNECT SWITCH THEN TO THE FRAME, WHEN RT80 EC KIT IS USED.

NOTE:

DUAL BATTERY OPTION



DUAL BATTERY OPTION

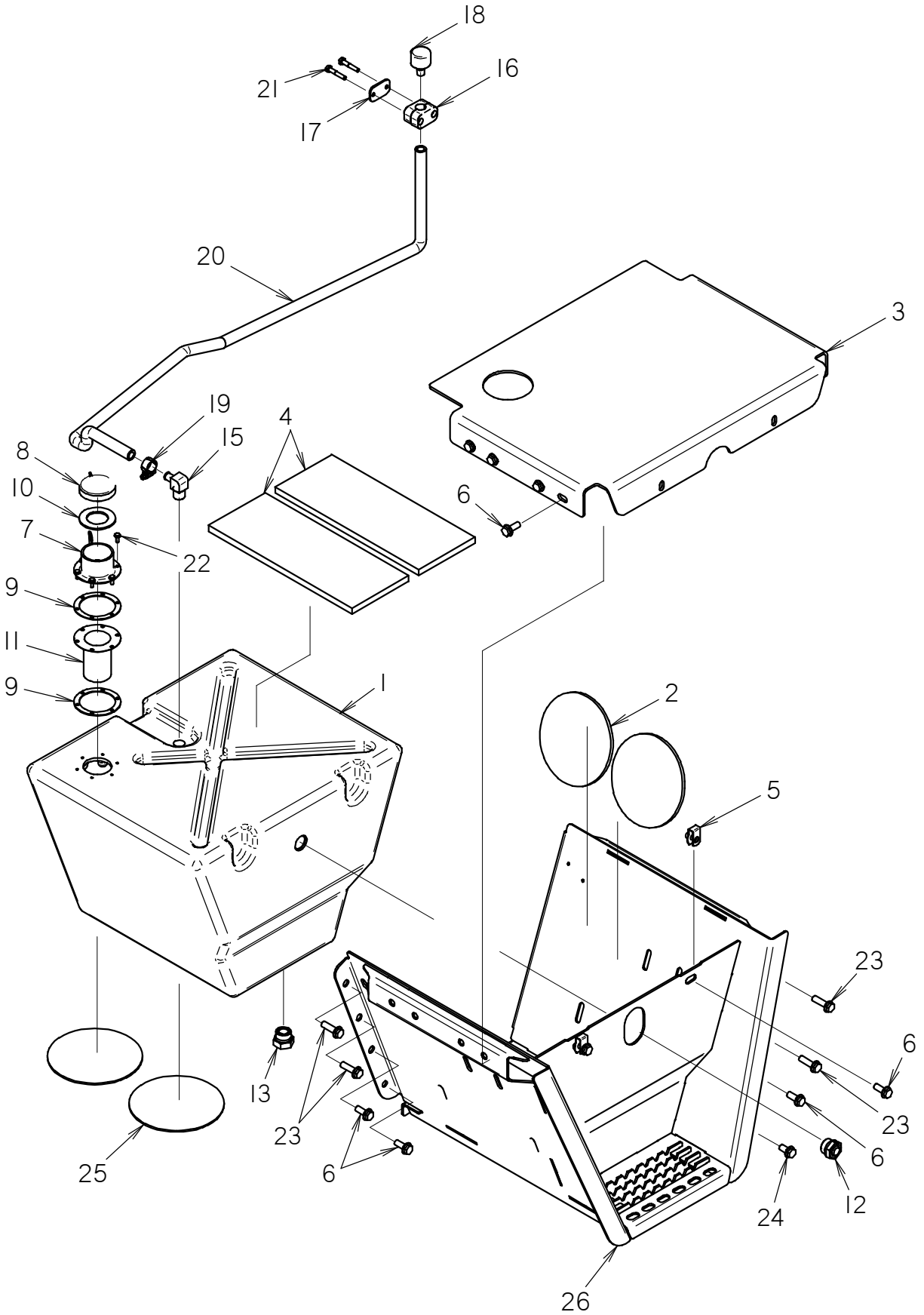
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	191-354	-	DUAL BATTERY CONVERSION KIT	INCLUDES REF. NUMBERS 2-4, 7-10 AND 17
1	300-8573	1	BATTERY PLATE	
2	215-244	2	BATTERY	
3	334-090	2	BATTERY HOLD DOWN	
4	116-789	AR	RUBBER EDGE TRIM 1/8" (FT)	USE 2 @ 5" EA.
5	106-558	2	CLIP NUT (M10-1.50)	
6	106-724	12	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:

LEFT CRADLE RT80



LEFT CRADLE RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	150-1386	1	HYDRAULIC RESERVOIR (RT55)	
2	117-463	AR	LINER PAD (.25" THK)	SEE FOOTNOTE 1
3	320-989	1	STEP	
4	117-442	2	SUPPORT MAT	
5	106-558	2	CLIP NUT (M10-1.50)	
6	106-724	9	FLG SCREW (M10-1.50 X 25MM)	
7	153-761	1	FLANGE	
8	153-760	1	CAP, NON VENTED, LOCKING	SEE FOOTNOTE 2
9	153-607	2	FLANGE GASKET	SEE FOOTNOTE 2
10	153-594	1	GASKET, FILL NECK CAP	SEE FOOTNOTE 2
11	153-606	1	STRAINER BASKET	SEE FOOTNOTE 2
12	121-040	0	SIGHT GLASS	INCLUDED WITH HYD. RESERVOIR REF. # 1
13	500-302	1	PLUG (1-12 SI)	
15	156-108	1	S/O COUPLER (08N-08H90)	
16	110-411	1	BOLT-ON CLAMP (3/4", SET)	
17	322-289	1	BACKUP (BOLT-ON)	
18	111-021	1	BREATHER CAP (TANK)	
19	110-217	1	WORM CLAMP (7/16" TO 1")	
20	116-322	AR	BULK HOSE (1/2";SOLD PER 1')	USE 1 @ 48.5"
21	105-818	2	BOLT (1/4-NC X 1-1/2")	
22	105-214	5	FLG SCREW (#10-24 X .5")	
23	106-497	4	FLG SCREW (M10-1.50 X 35MM)	
24	106-382	1	FLG LK SCREW (M10-1.50 X 20MM)	
25	117-425	AR	LINER PAD (.12" THK)	
26	300-9500	1	CRADLE WELDMENT	

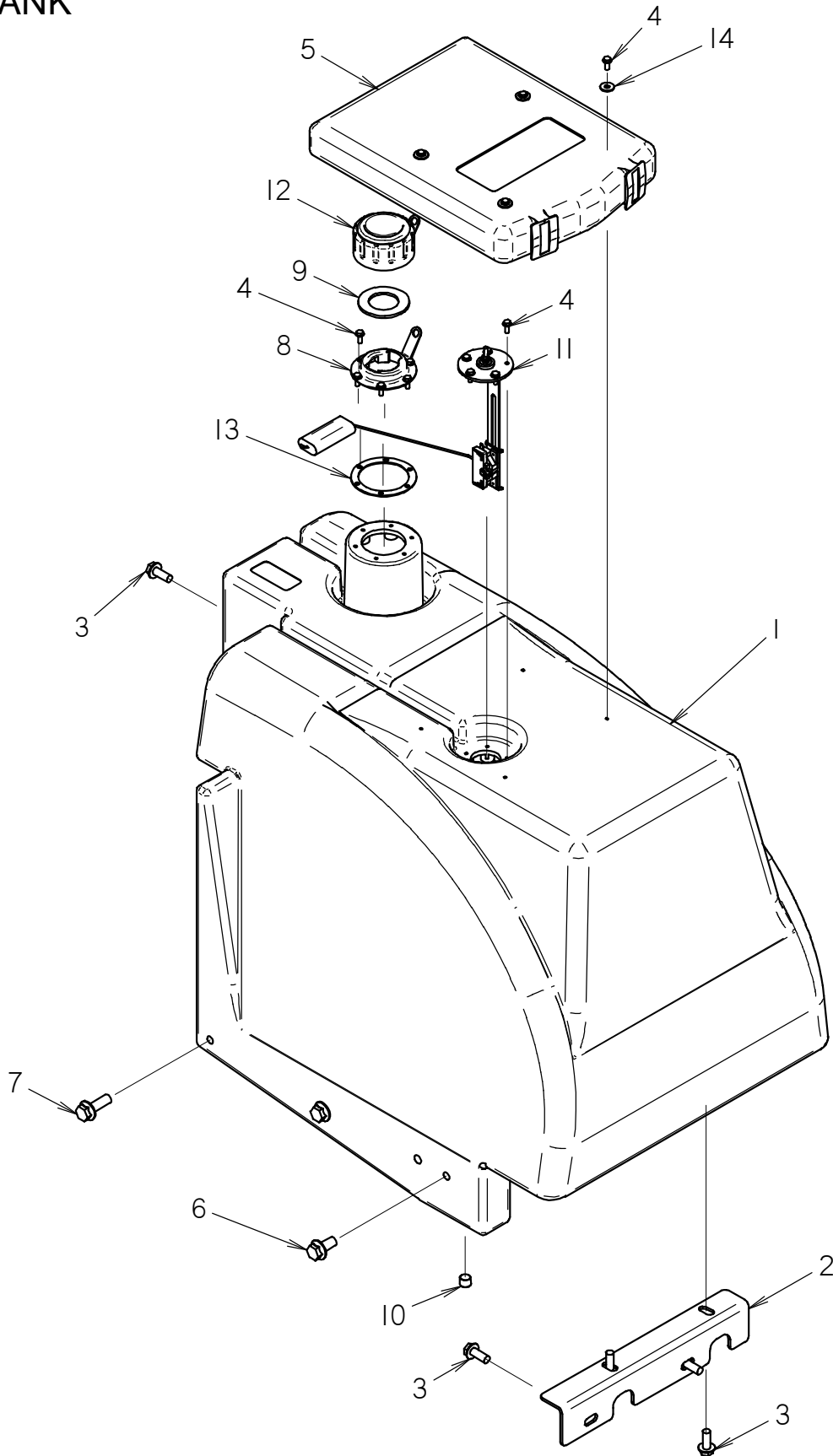
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FOOTNOTES:

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

NOTE:

FUEL TANK RT80



FUEL TANK

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1388	1	FUEL TANK	
2	322-646	1	FRONT BRACKET	
3	106-724	6	FLG SCREW (M10-1.50 X 25MM)	
4	105-214	15	FLG SCREW (#10-24 X .5")	
5	318-588	1	MANUAL COMPARTMENT	
6	106-806	2	FLG LK SCREW (M12-1.75 X 25MM)	
7	106-632	1	FLG LK SCR (M12-1.75X35MM,SER)	
8	125-498	1	FLANGE, FILL NECK	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
14	107-801	4	WASHER (M6)	

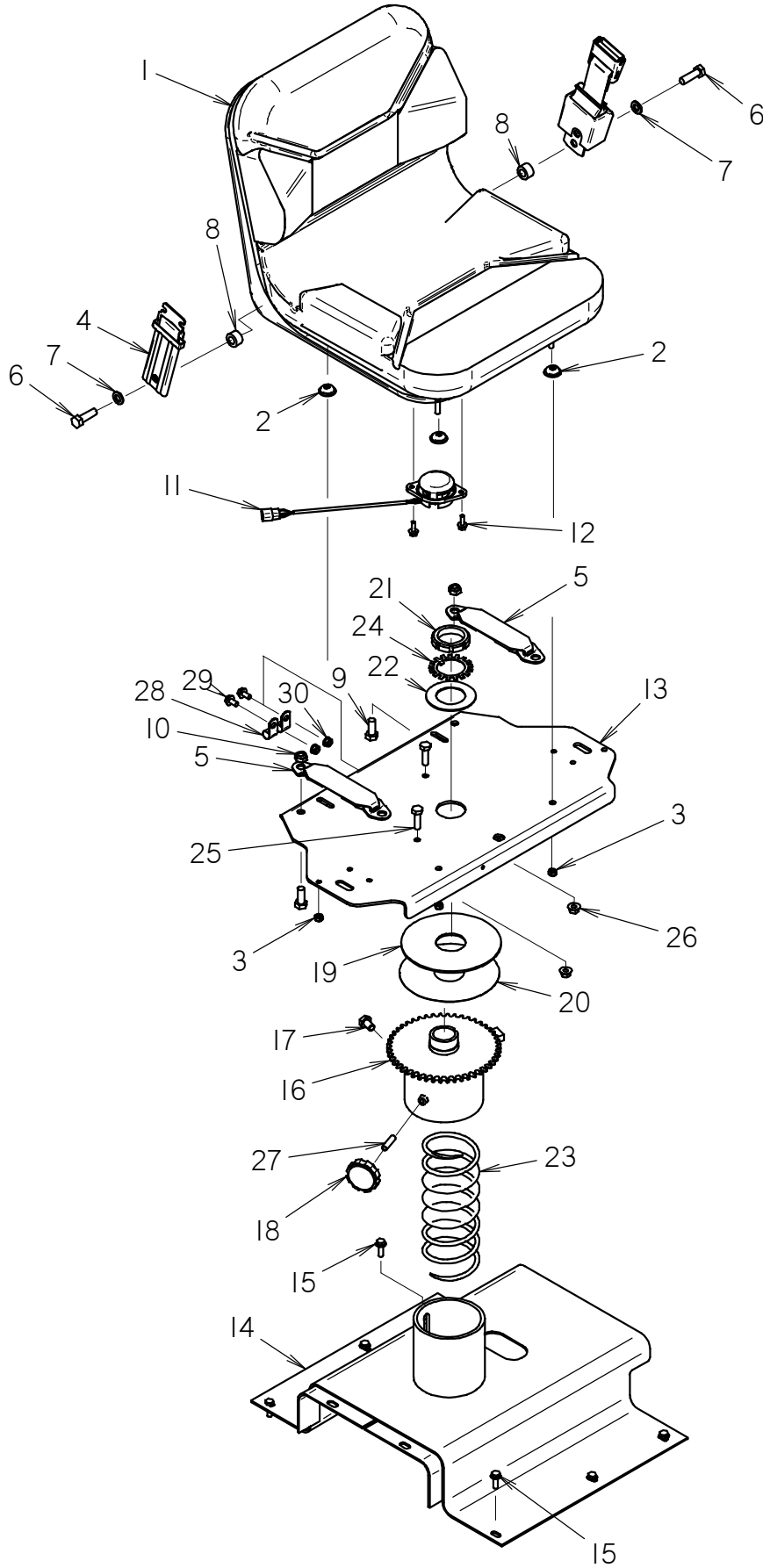
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FOOTNOTES:

THESE PART ARE SERVICE PARTS FOR PART NUMBER 364-559

NOTE:

SEAT MOUNT RT80



SEAT MOUNT

RT80

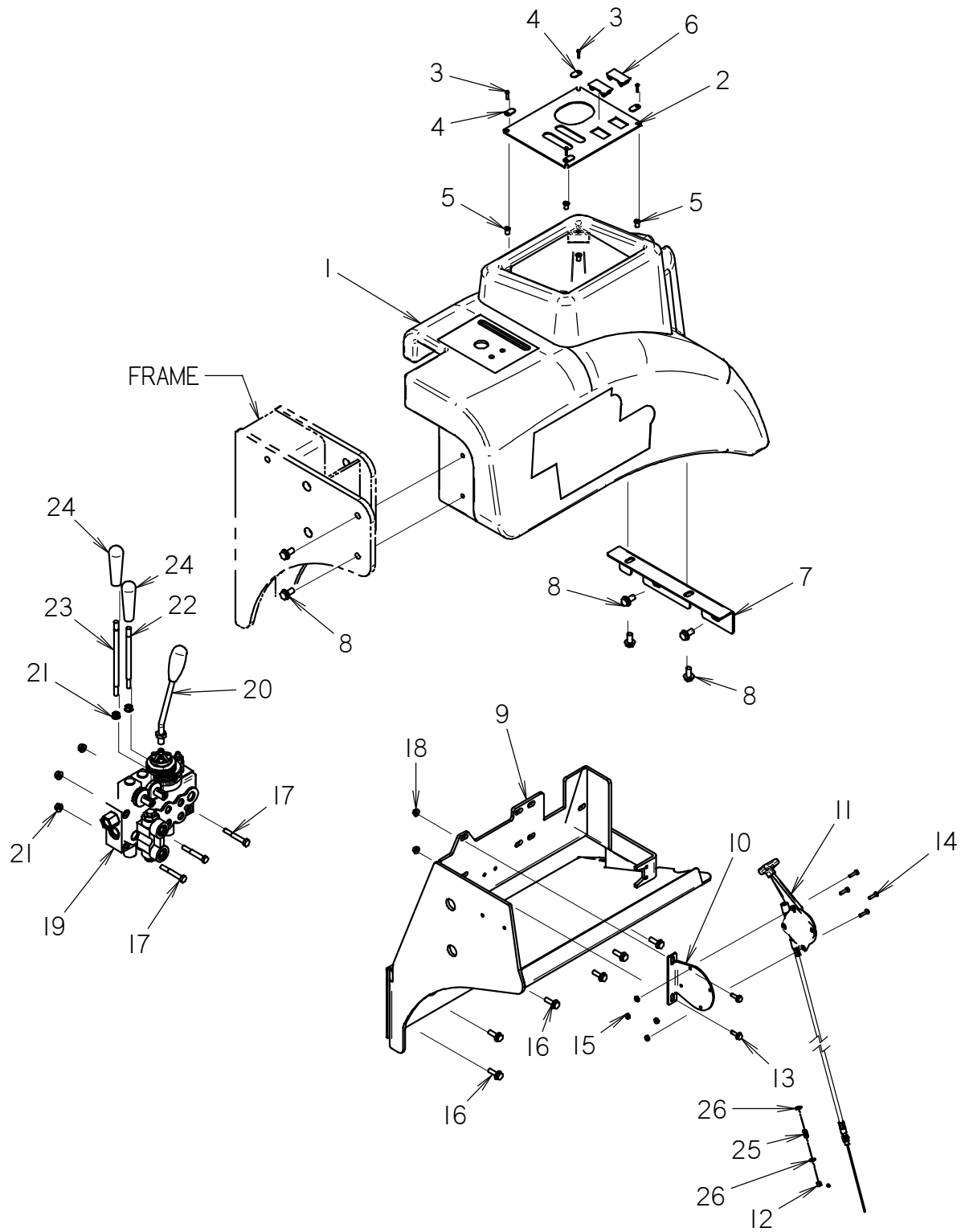
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	117-429	1	SEAT	
2	105-267	3	CUP WASHER (5/16")	
3	105-089	4	LOCKNUT (5/16-NC)	
4	117-924	1	SEAT BELT SET W/5.75" TONGUE	
5	115-430	2	SEAT BELT TETHER	
6	106-333	2	SCREW (M12-1.75 X 40MM, 8.8)	
7	106-391	2	WASHER (M12)	
8	184-252	2	BUSHING (.562" X 1" X .590")	
9	105-273	2	SCREW (M12-1.75 X 30MM)	
10	106-031	2	LOCKNUT (M12-1.75, NLK)	
11	215-1107	1	SEAT SWITCH	
12	106-168	2	FLG LK BOLT (1/4-NC X 3/4")	
13	300-7698	1	SEAT DECK	
14	300-7679	1	SEAT BASE	
15	106-381	6	FLG LK SCREW (M8-1.25 X 25MM)	
16	300-7682	1	SWIVEL BASE	
17	107-521	1	SCREW (M12-1.75 X 20MM)	
18	110-383	1	KNOB (3/8-NC, BLACK)	
19	117-301	1	SWIVEL DISK	
20	179-382	1	SHIM	
21	107-528	1	SLOTTED NUT	
22	106-522	1	THRUST WASHER	
23	105-1311	1	COMPRESSION SPRING	
24	107-606	1	TANG WASHER	
25	105-876	2	SCREW (M10-1.50 X 35MM)	
26	106-387	2	FLG LOCKNUT (M10-1.50)	
27	106-121	1	STUD BOLT (3/8-NC X 1-1/2")	
28	110-259	2	BOLT-ON CLAMP (.625")	
29	106-380	2	FLG LK SCREW (M8-1.25 X 16MM)	
30	106-386	2	FLG LOCKNUT (M8-1.25)	

NOT SHOWN:

FOOTNOTES:

NOTE:

RIGHT FENDER RT80



RIGHT FENDER RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	322-737	1	RIGHT FENDER	
2	322-858	1	CONTROL VALVE COVER	
3	107-580	4	SCREW (M4-0.70 X 16MM,BUT SOC)	
4	105-1019	4	SLOT WASHER	
5	107-358	4	WELLNUT (M4-0.7 X 12.67MM LG)	
6	362-823	2	COVER	
7	322-646	1	FRONT BRACKET	
8	106-382	6	FLG LK SCREW (M10-1.50 X 20MM)	
9	325-602	1	VALVE MOUNT	
10	323-614	1	THROTTLE BRACKET	
11	195-1443	1	THROTTLE CABLE (165-514-013)	REFER TO "ENGINE, RIGHT SIDE", ID0207939.
12	107-912	1	CABLE STOP	WITH SET SCREW
13	106-379	2	FLG LK SCREW (M6-1.00 X 20MM)	
14	106-049	4	BOLT (#10-24 X 3/4", PLPS)	
15	106-048	4	LOCKNUT (#10-24)	
16	106-992	6	FLG LK SCREW (M8-1.25 X 25MM)	
17	106-570	3	SCREW (M8-1.25 X 60MM)	
18	106-385	2	FLG LOCKNUT (M6-1.00)	
19	159-961	1	HYD CONTROL VALVE (4-SPOOL)	USED WITH REAR STEER AXLE - SEE FOOTNOTE 1
20	499-022	1	LEVER (M12-1.75 X 200MM)	
21	106-386	5	FLG LOCKNUT (M8-1.25)	
22	365-478	1	LEVER (5.88")	
23	365-477	1	LEVER (7.25)	
24	110-439	2	HANDLE (3/8-NC, BLACK)	
25	115-618	1	COMPRESSION SPRING (.625")	
26	107-310	2	WASHER (#10)	

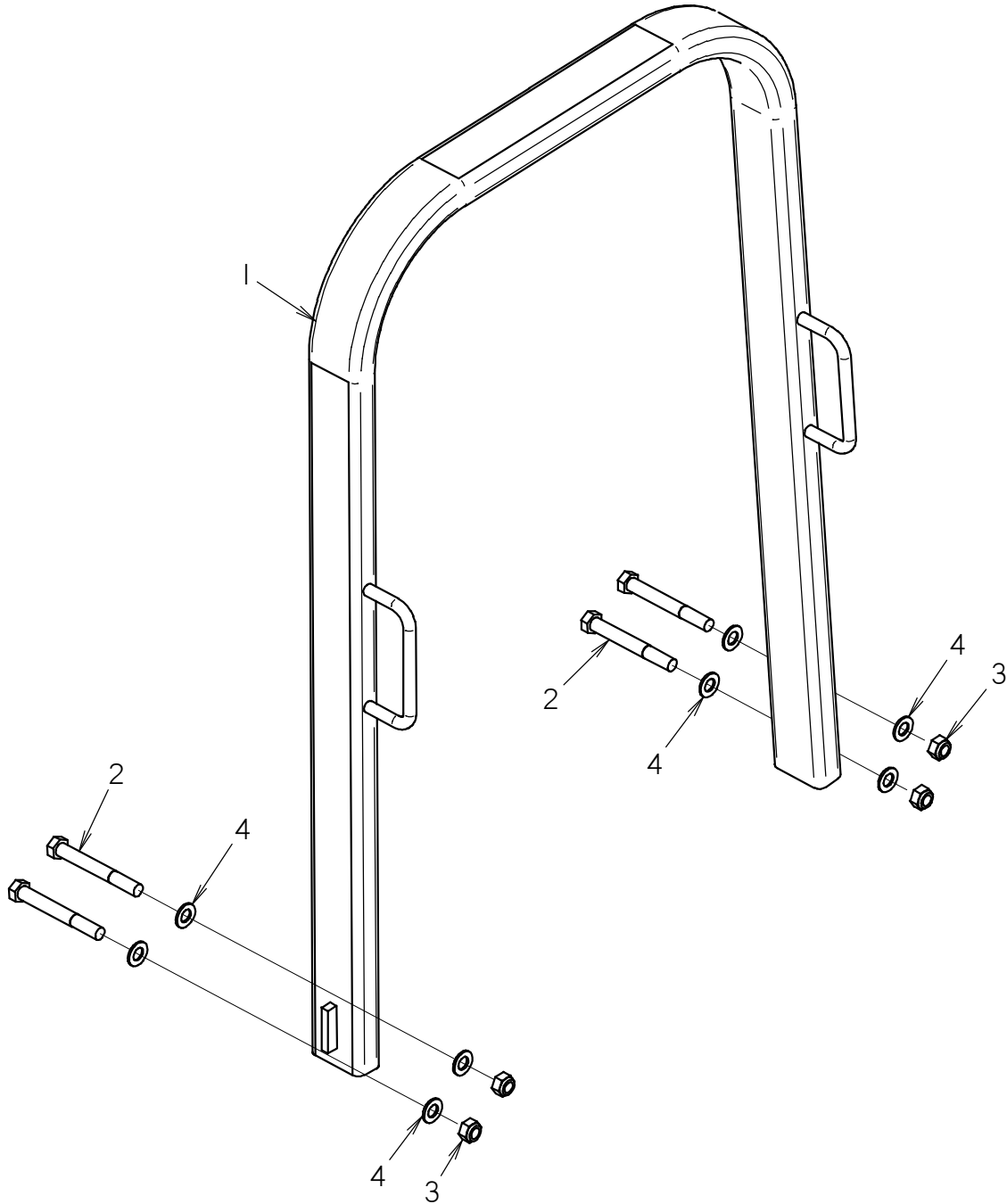
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FOOTNOTES:

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

NOTE:

2-POST ROPS RT80



2-POST ROPS RT80

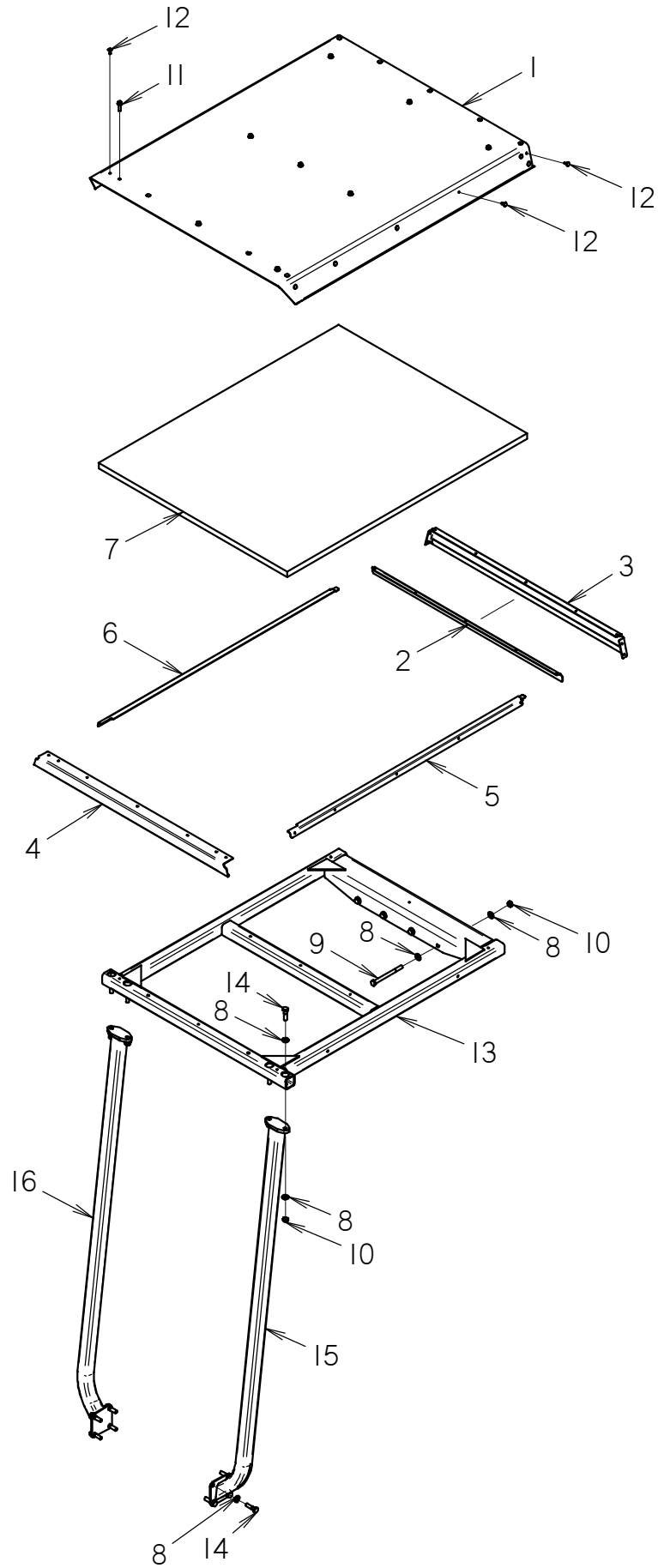
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	306-362	1	2-POST ROPS	
2	107-927	4	SCREW (M20-2.50 X 160MM)	
3	106-665	4	LOCKNUT (M20-2.50, 10.9)	TORQUE TO 375 ft/lbs.
4	106-393	8	WASHER (M20)	

NOT SHOWN:

FOOTNOTES:

NOTE:

4-POST ROPS



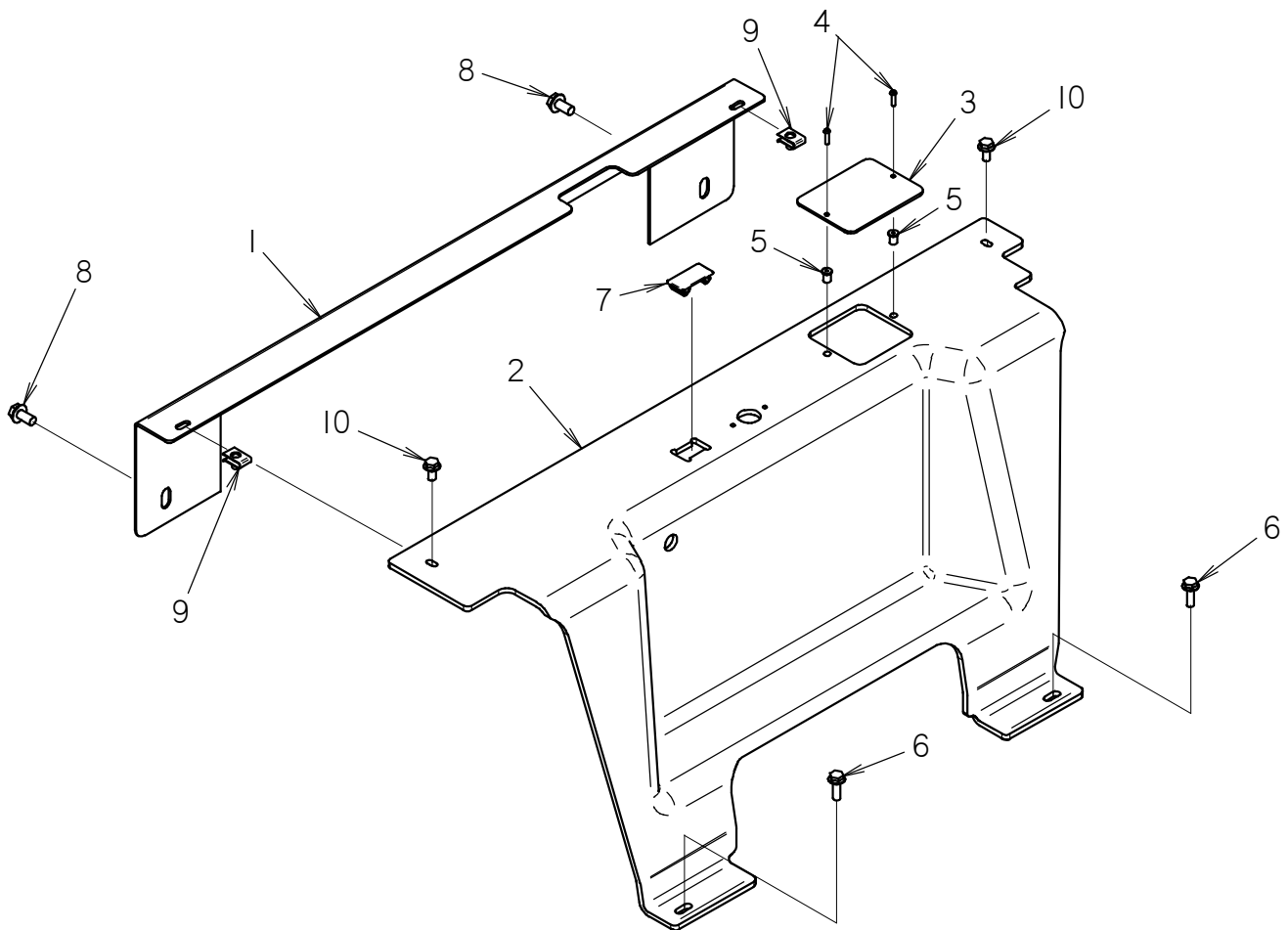
4-POST ROPS

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:

REAR PANEL RT80



REAR PANEL

RT80

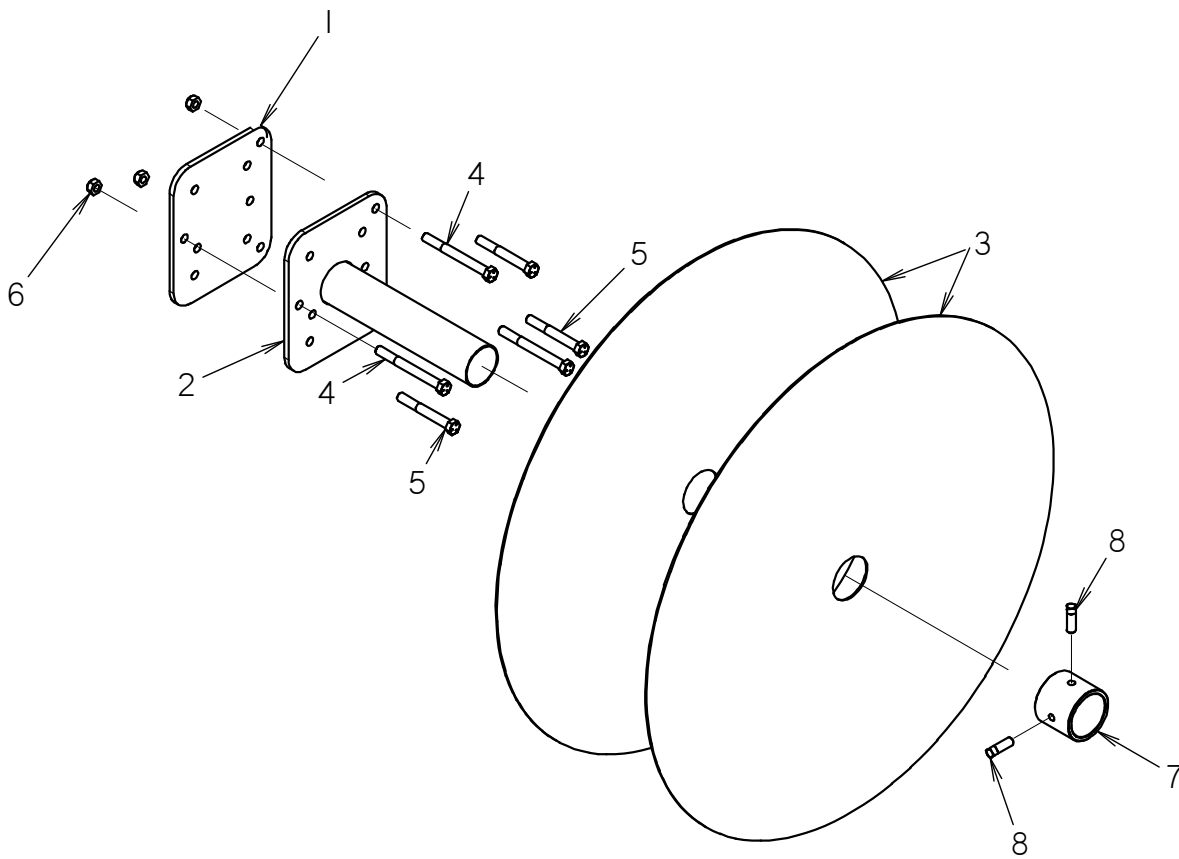
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	323-408	1	LEFT PANEL MOUNT	
2	362-991	1	REAR PANEL	
3	322-871	1	TDM COVER	
4	107-580	2	SCREW (M4-0.70 X 16MM,BUT SOC)	
5	107-358	2	WELLNUT (M4-0.7 X 12.67MM LG)	
6	106-381	2	FLG LK SCREW (M8-1.25 X 25MM)	
7	362-823	1	COVER	
8	106-382	2	FLG LK SCREW (M10-1.50 X 20MM)	
9	106-551	2	CLIP NUT (M8-1.25)	
10	106-380	2	FLG LK SCREW (M8-1.25 X 16MM)	

NOT SHOWN:

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)	

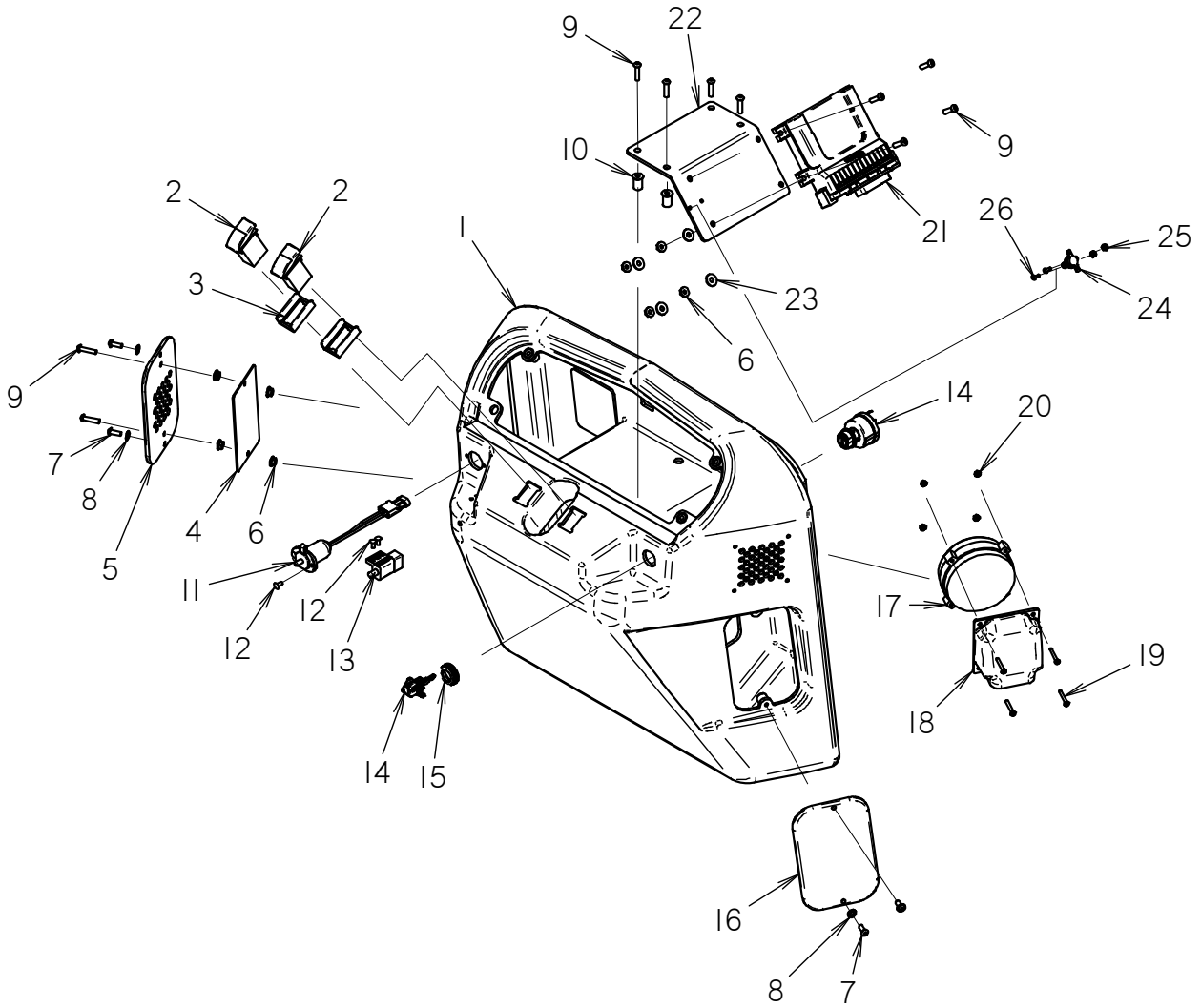
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FOOTNOTES:

NOTE:

CONTROL COMPONENTS

CONSOLE RT80



CONSOLE

RT80

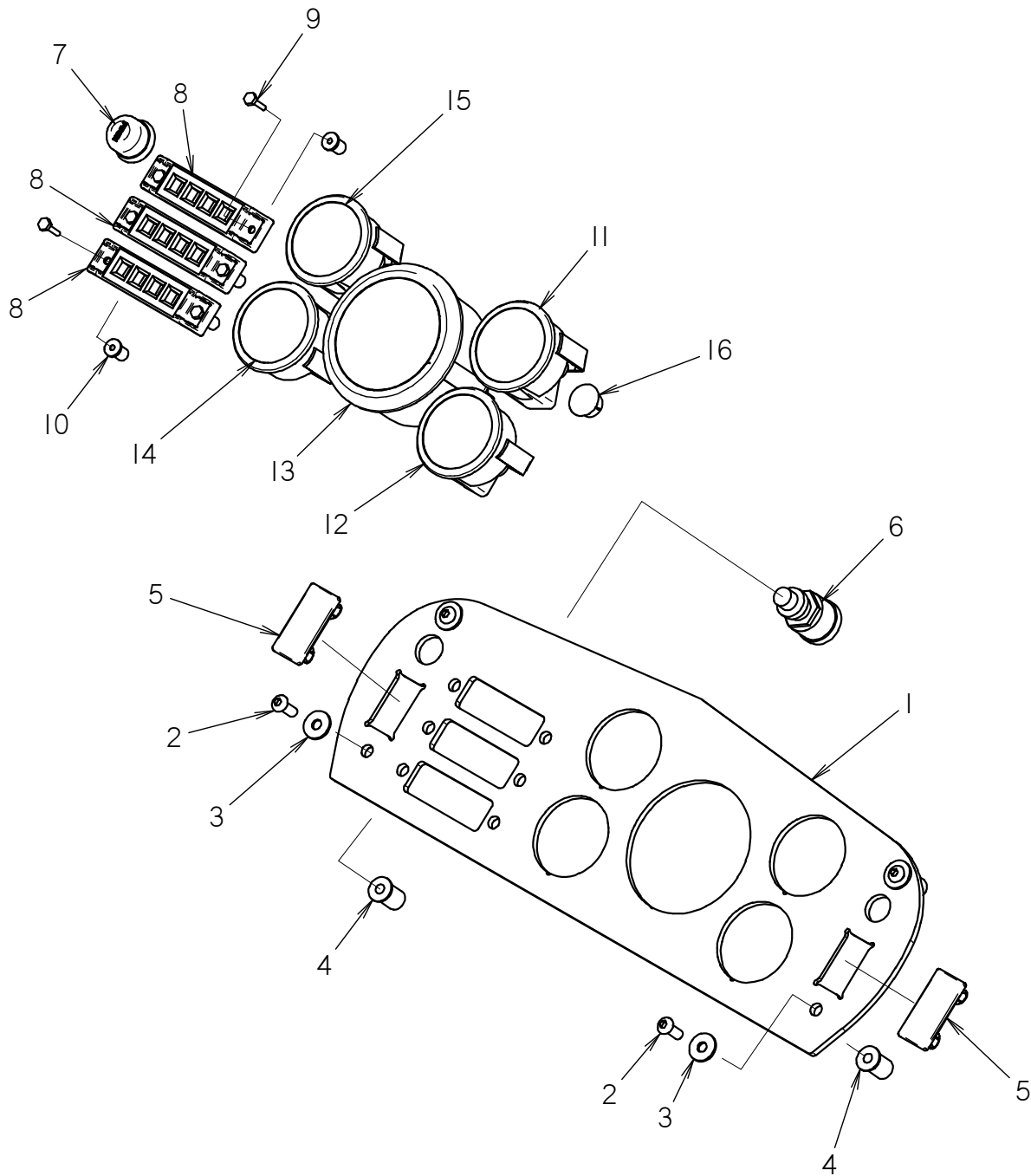
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1439	1	CONSOLE	
2	217-072	2	ROCKER SWITCH	
3	110-854	2	SWITCH ACTUATOR GUARD	
4	300-9428	1	BAFFLE	
5	362-1440	1	ACCESS PANEL	
6	106-385	8	FLG LOCKNUT (M6-1.00)	
7	107-193	4	SCREW (M6-1.00 X 16MM,BUT SOC)	
8	107-744	4	WASHER (M6)	
9	107-312	10	SCREW (M6-1.00 X 25MM, BUT SOC)	
10	107-871	2	WELLNUT (M6-1.00 X 20.35MM LG)	
11	214-301	1	ACCESSORY SOCKET	
12	110-560	4	POP RIVET (3/16" X 1/2", ALUM)	
13	217-704	1	PLUNGER SWITCH	
14	214-852	1	IGNITION SWITCH	
15	214-962	1	SWITCH MOUNTING NUT	
16	320-963	1	ACCESS PANEL	
17	125-1039	1	AXIAL MOTOR FAN	
18	362-1438	1	SHROUD	
19	107-414	4	SCREW (M4-0.70 X 30MM,BUT SOC)	
20	105-680	4	NUT (M4, W/LK WSHR)	
21	220-1241	1	30-PIN CONTROLLER V3	
22	362-1509	1	MOUNT PLATE	
23	107-801	4	WASHER (M6)	
24	215-1550	1	TEMPERATURE SWITCH	
25	107-859	2	NUT, LOCK, #6-32, NYLON INSERT	
26	106-367	2	SCREW (#6-32 X 1/2" PLPS SS)	

NOT SHOWN:

FOOTNOTES:

NOTE:

GAUGE PANEL RT80



GAUGE PANEL RT80

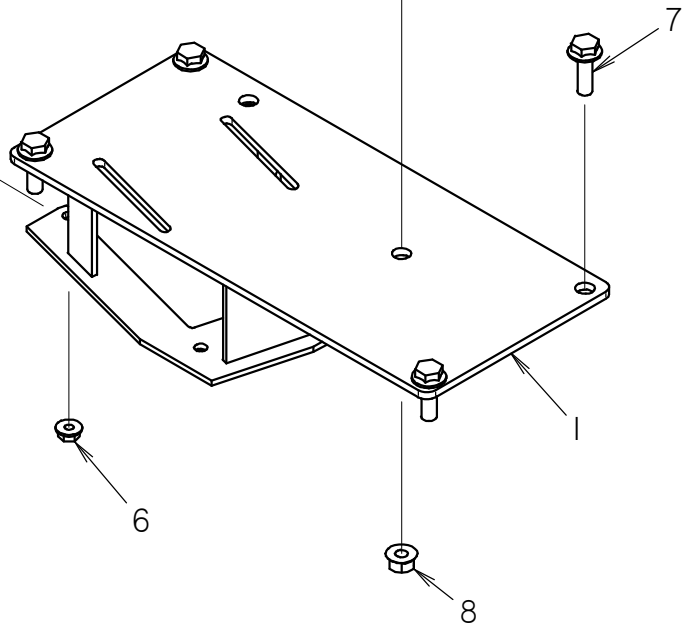
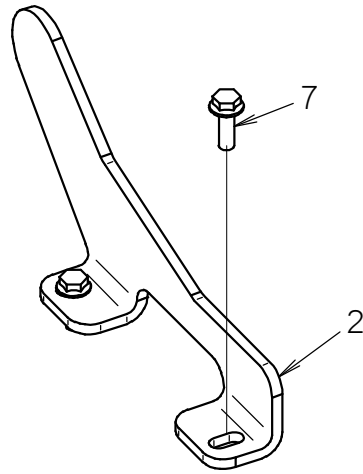
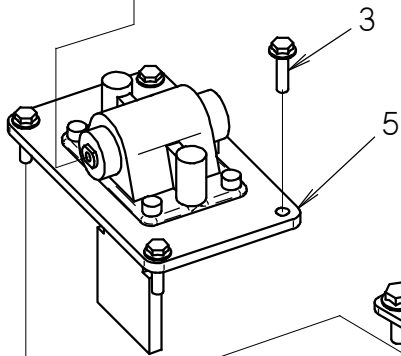
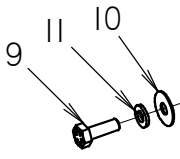
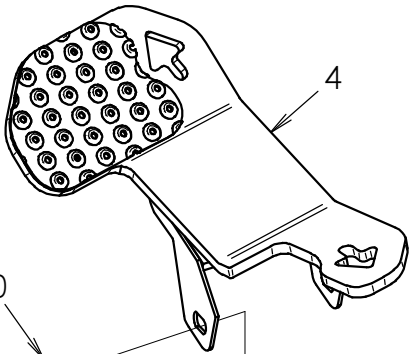
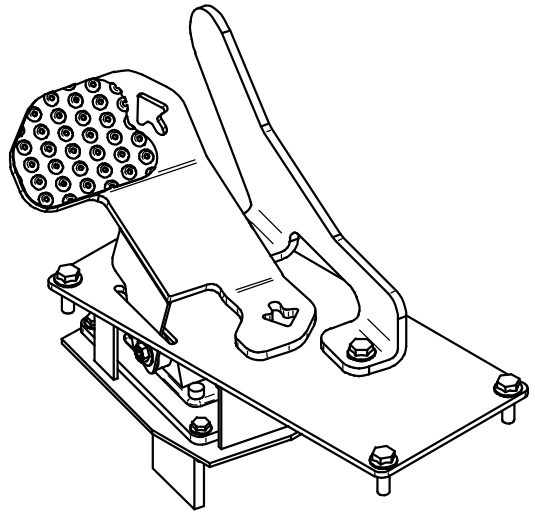
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	362-1508	1	GAUGE PANEL	
2	107-193	4	SCREW (M6-1.00 X 16MM,BUT SOC)	
3	107-801	4	WASHER (M6)	
4	107-871	3	WELLNUT (M6-1.00 X 20.35MM LG)	
5	362-823	2	COVER	
6	306-607	1	HORN BUTTON	
7	306-608	1	BUTTON COVER	
8	220-664	3	INDICATOR ASSEMBLY	
9	107-393	6	SCREW (M4-0.70 X 16MM, BX)	
10	107-358	6	WELLNUT (M4-0.7 X 12.67MM LG)	
11	215-1375	1	ANALOG WATER TEMP GAUGE	
12	215-1376	1	ANALOG OIL PRESSURE GAUGE	
13	215-1373	1	ANALOG TACH	
14	211-329	1	2.06" FUEL GAUGE	
15	211-328	1	2.06" VOLTMETER GAUGE	
16	211-067	1	DOME PLUG (687)	

NOT SHOWN:

FOOTNOTES:

NOTE:

FOOT PEDAL RT80



FOOT PEDAL

RT80

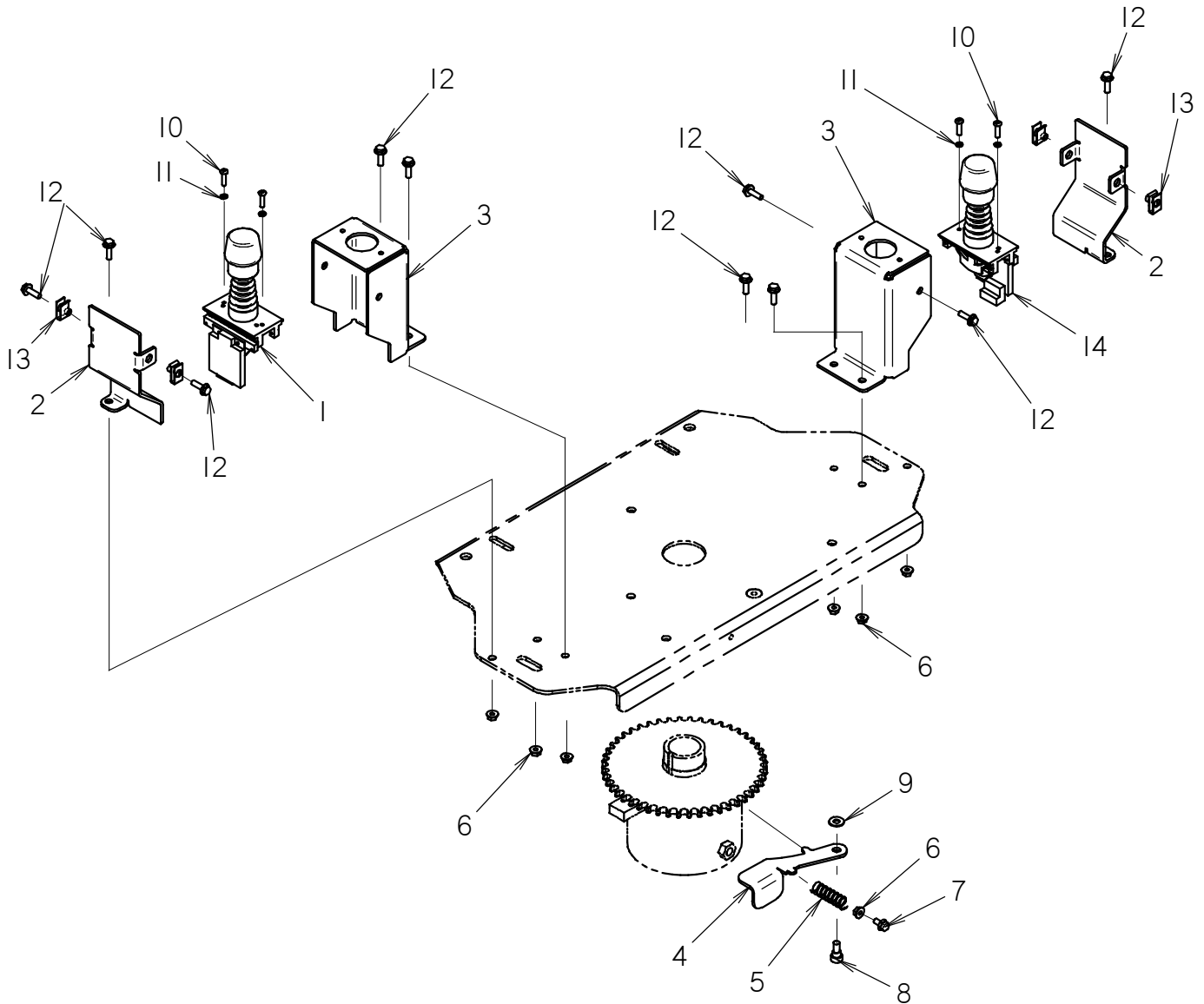
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	324-722	1	PEDAL MOUNT	
2	319-365	1	PROTECTIVE BAR	
3	106-848	4	FLG SCREW (M6-1.00 X 25MM)	
4	300-8733	1	GROUND DRIVE PEDAL	
5	215-1537	1	SINGLE AXIS 12V FOOT CONTROL	
6	106-385	4	FLG LOCKNUT (M6-1.00)	
7	106-992	6	FLG LK SCREW (M8-1.25 X 25MM)	
8	106-386	2	FLG LOCKNUT (M8-1.25)	
9	105-865	2	BOLT (1/4-NC X 3/4", GD8)	
10	107-092	2	WASHER (.254")	
11	105-079	2	LOCK WASHER (1/4)	

NOT SHOWN:

FOOTNOTES:

NOTE:

SEAT CONTROLS RT80



SEAT CONTROLS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	215-1663	1	SINGLE AXIS 12V HAND CONTROL, ORG KNOB	SEE FOOTNOTE 1
2	324-569	2	OUTSIDE COVER	
3	324-568	2	INSIDE COVER	
4	308-895	1	LEVER	
5	115-645	1	COMPRESSION SPRING	
6	106-385	7	FLG LOCKNUT (M6-1.00)	
7	106-986	1	FLG LK SCREW (M6-1.00 X 12MM)	
8	107-582	1	SHLD BOLT(3/8" X 1/4",5/16-NC)	
9	105-095	1	WASHER (1/4")	
10	105-649	4	BOLT (#10-32 X .75", BUT)	
11	195-418	4	LOCK WASHER (#10)	
12	106-161	10	FLG SCREW (M6-1.00 X 20MM)	
13	106-574	4	CLIP NUT (M6-1.00)	
14	215-1664	1	SINGLE AXIS 12V HAND CONTROL, YEL KNOB	SEE FOOTNOTE 1

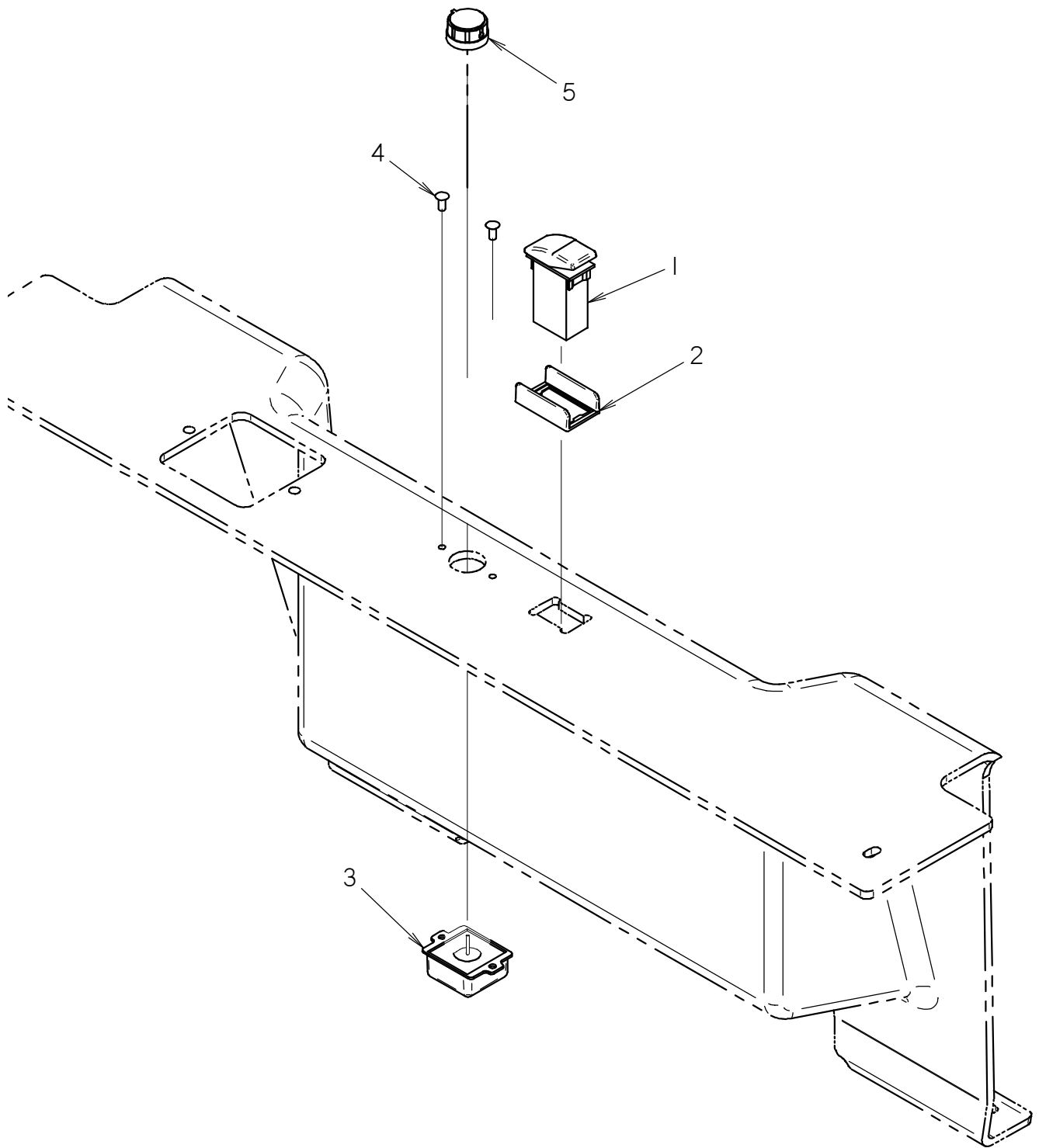
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FOOTNOTES:

1. IF REPLACING HAND CONTROL JOYSTICK 215-1536, USE 215-1663 FOR GROUND DRIVE CONTROL AND 215-1664 FOR ATTACHMENT CONTROL.

NOTE:

CRUISE CONTROL RT80



CRUISE CONTROL

RT80

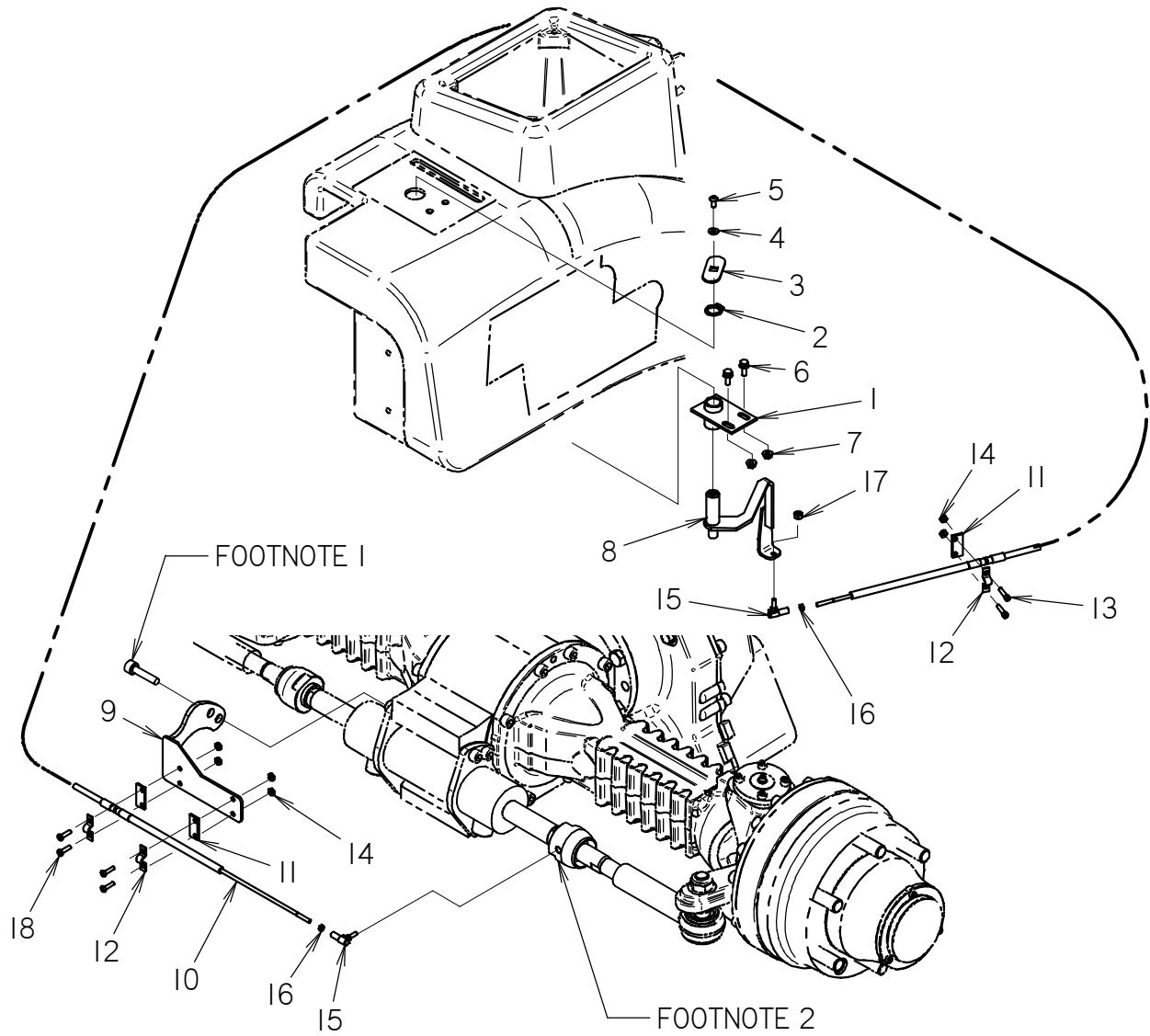
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	217-789	1	ROCKER SWITCH	
2	110-854	1	SWITCH ACTUATOR GUARD	
3	217-892	1	POTENTIOMETER - AUTOCROWD	
4	110-560	2	POP RIVET (3/16" X 1/2", ALUM)	
5	110-641	1	KNOB (1/8", BLK)	

NOT SHOWN:

FOOTNOTES:

NOTE:

REAR STEER INDICATOR RT80



REAR STEER INDICATOR RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	300-8528	1	INDICATOR MOUNT	
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 SOC)	
6	106-987	2	FLG LK SCREW (M6-1.00 X 16MM)	
7	106-353	2	FLG NUT (M6-1.00)	
8	300-8505	1	STEERING INDICATOR	
9	300-8509	1	REAR STEER CABLE BRACKET	
10	105-1317	1	CABLE	
11	331-166	3	BOLT-ON BACK-UP (.306")	
12	110-697	3	BOLT-ON CLAMP (.360")	
13	105-810	2	BOLT (#10-24 X 7/8", SOC)	
14	106-048	6	LOCKNUT (#10-24)	
15	110-318	2	BALL JOINT (#10-32, FM)	
16	506-021	2	NUT (#10-32)	
17	106-678	1	LOCKNUT (1/4-NF)	
18	105-687	4	SCREW (#10-24 X 3/4", PAN TORX)	

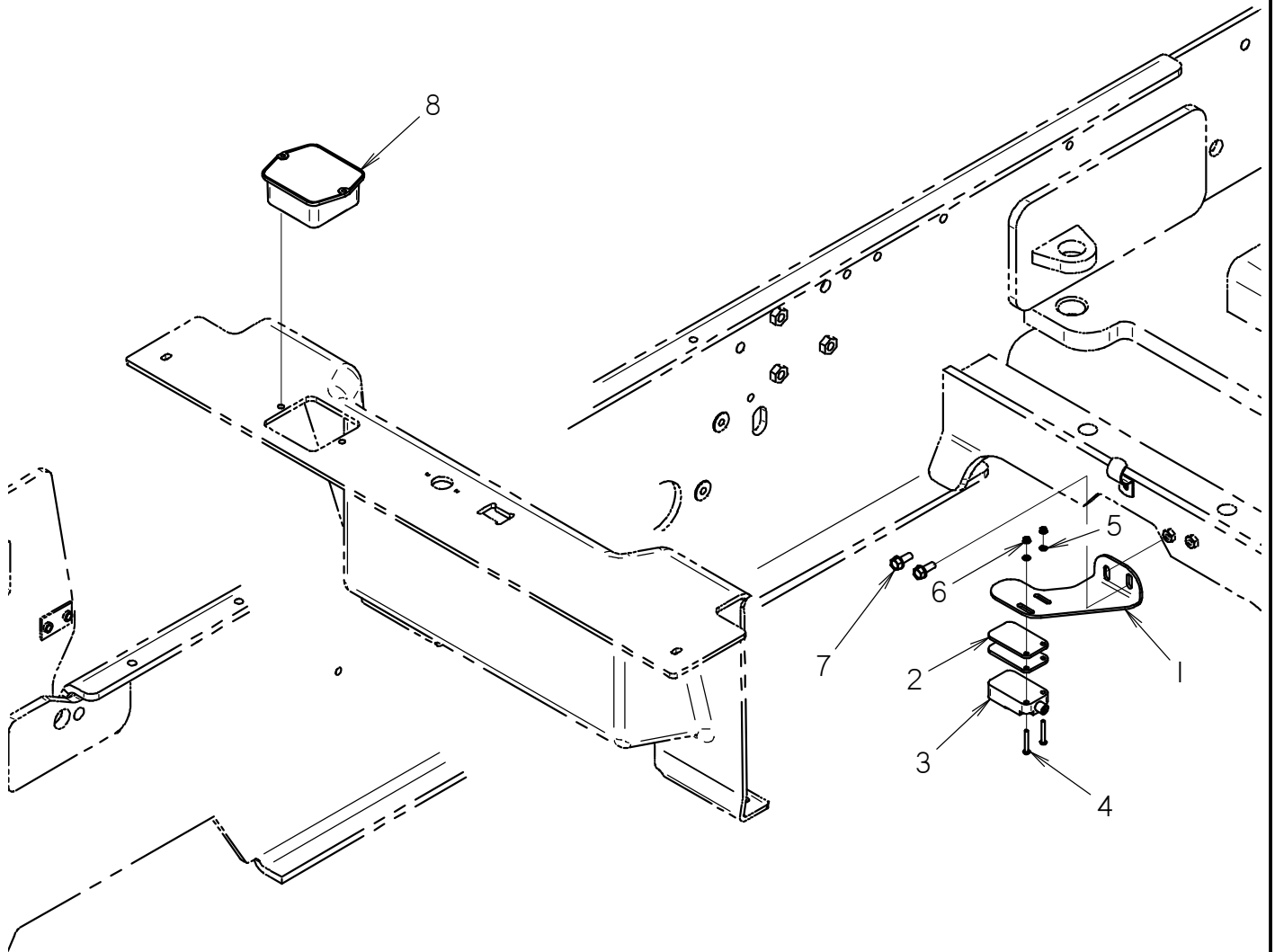
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FOOTNOTES:

1. USE HARDWARE IN DIFFERENTIAL TO ATTACH REF #9, 300-8509.
2. DRILL & TAP KNUCKLE TO ACCEPT REF #15, 110-318.

NOTE:

TDM SENSOR MOUNT RT80



TDM SENSOR MOUNT RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	350-2154	-	TDM KIT	INCL'S REF NO. 1 THRU 8
1	300-8366	1	BRACKET	
2	107-451	2	SHIM (1.35")	
3	215-1175	1	PROXIMITY SWITCH	
4	107-414	2	SCREW (M4-0.70 X 30MM,BUT SOC)	
5	107-597	2	WASHER (M4)	
6	105-680	2	NUT (M4, W/LK WSHR)	
7	105-823	2	FLG LK BOLT (5/16-NC X 3/4")	
8	220-086	1	TRENCH DEPTH METER	FOR HARDWARE REFER TO "REAR PANEL" ID0210988.

NOT SHOWN:

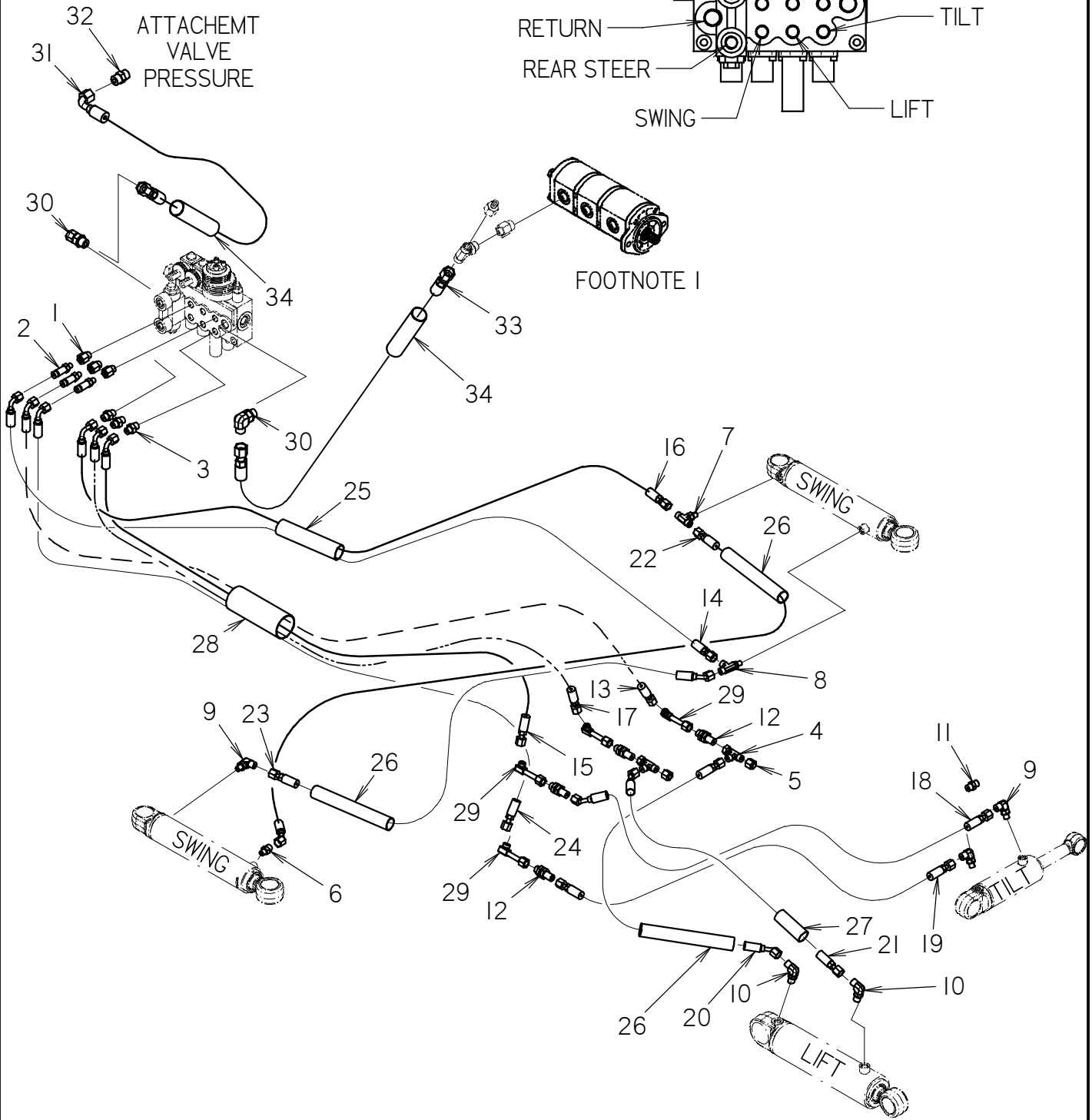
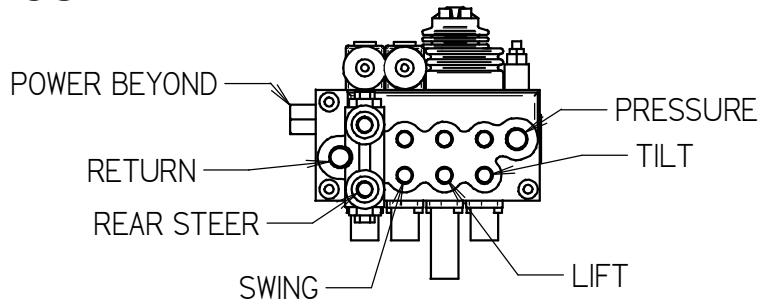
213-075 TDM HARNESS
213-168 PROX SWITCH JUMPER

FOOTNOTES:

NOTE:

HYDRAULICS

BACKFILL BLADE HYDRAULICS RT80 (SHOWN W/ REAR STEER)



BACKFILL BLADE HYDRAULICS

RT80 (SHOWN W/ REAR STEER)

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	155-254	3	REDUCER (06S-04SF)	
2	154-403	3	CONNECTOR (04S-040, XL)	
3	154-220	3	CONNECTOR (040-06S)	
4	154-265	2	UNION RUN TEE (040FX-040-040)	
5	154-296	2	CAP (040F)	
6	154-278	1	CONNECTOR (04S-040)	
7	154-293	1	BRANCH TEE (04S-040-040)	
8	154-316	1	RUN TEE (04S-040-040)	
9	154-252	3	CONNECTOR (04S-04090)	
10	154-226	2	CONNECTOR (040-06S90)	
11	154-335	1	CONNECTOR (040-040)	
12	154-275	4	BK CONNECTOR (040-040BK)	
13	154-916	1	HOSE (040FX90S-120"-3000)	
14	154-916	1	HOSE (040FX90S-120"-3000)	
15	154-916	1	HOSE (040FX90S-120"-3000)	
16	154-771	1	HOSE (040FX90-110"-3000)	
17	154-916	1	HOSE (040FX90S-120"-3000)	
18	153-973	1	HOSE (040FX45-54"-3000-AR)	
19	154-921	1	HOSE (040FX-54"-3000-AR)	
20	515-310	1	HOSE (040FX45-22"-5000)	
21	153-073	1	HOSE (040FX45-28"-3000)	
22	515-310	1	HOSE (040FX45-22"-5000)	
23	515-310	1	HOSE (040FX45-22"-5000)	
24	154-916	1	HOSE (040FX90S-120"-3000)	
25	117-210	1	ABRASION SLEEVE (1.25" X 100")	
26	117-672	3	ABRASION SLEEVE (1.00" X 20")	
27	117-409	1	ABRASION SLEEVE (1.00" X 28")	
28	117-198	1	ABRASION SLEEVE (2.07" X 102")	
29	150-2287	4	CONNECTOR (040-040F90)	
30	154-235	2	CONNECTOR (08S-08090)	
31	157-324	1	HOSE (080FX90S-53"-3000)	
32	154-274	1	CONNECTOR (080-080)	
33	154-745	1	HOSE (080FX-50"-3000)	SEE FOOTNOTE 1
34	117-395	2	ABRASION SLEEVE (1.25" X 50")	

NOT SHOWN:

FOOTNOTES:

1. REFER TO "PUMP MOUNT" ID0210987 OR "PRIORITY VALVE PLUMBING" ID0206906 FOR MORE INFO.

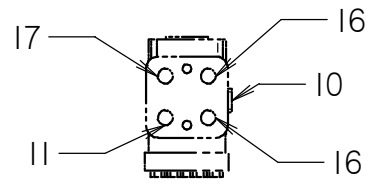
NOTE:

REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF SAE AND ORS O-RINGS
FOR UNITS NOT EQUIPPED WITH REAR STEER, THE VALVE WILL LOOK SIMILAR, BUT WILL NOT HAVE THE SECTION MARKED REAR STEER

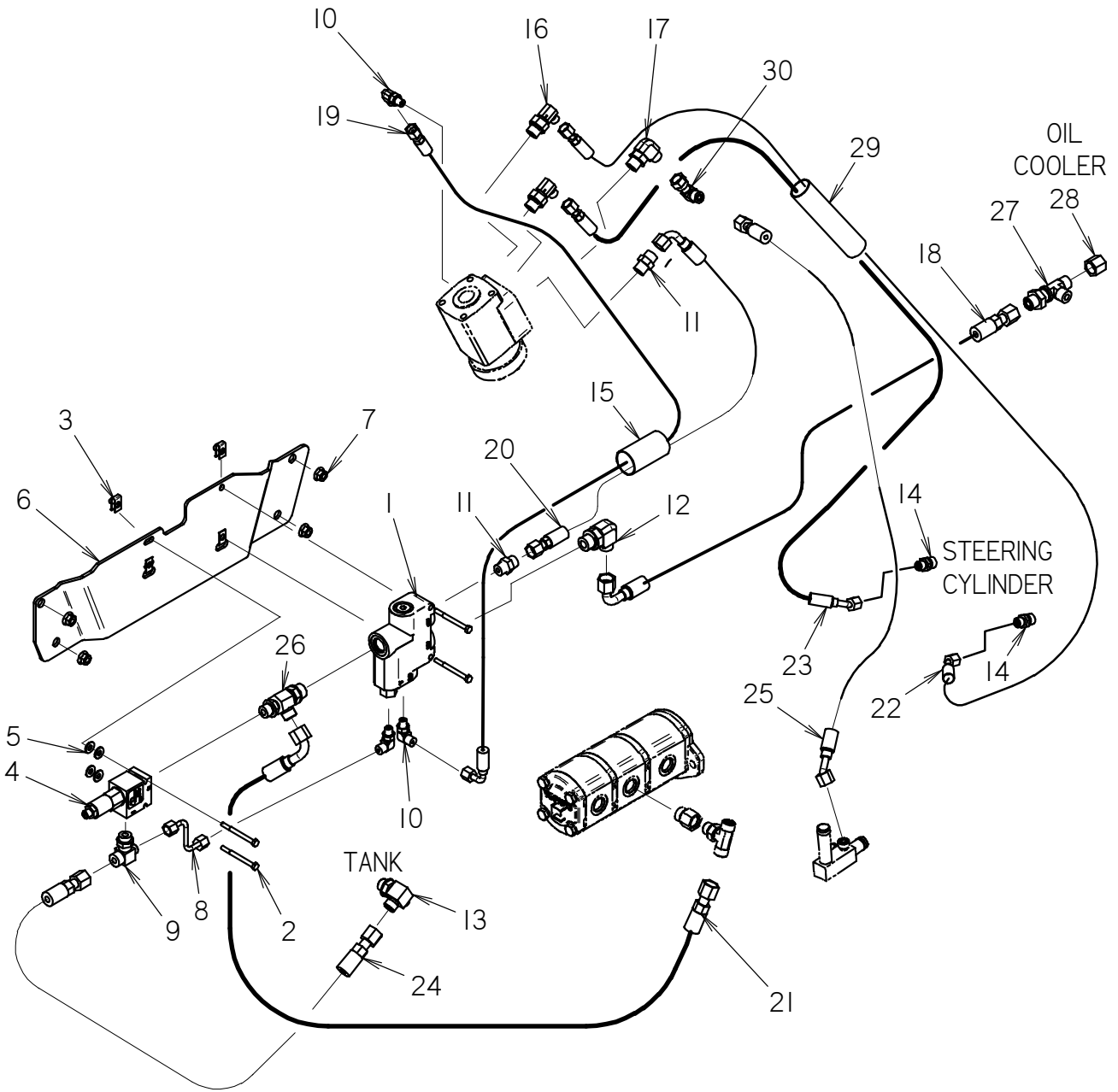
PLUMBING

PRIORITY VALVE/STEERING VALVE

RT80



STEERING VALVE



PLUMBING

PRIORITY VALVE/STEERING VALVE

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	157-917	1	PRIORITY VALVE	
2	106-566	4	SCREW (M6-1.00 X 70MM)	
3	106-574	4	CLIP NUT (M6-1.00)	
4	158-681	1	RELIEF VALVE (AUXILIARY)	
5	105-095	4	WASHER (1/4")	
6	300-8142	1	VALVE BRACKET	
7	106-266	4	FLG NUT (M10-1.50)	
8	150-1416	1	HARDLINE (04)	
9	157-769	1	BRANCH TEE (08S-080-040)	
10	154-252	3	CONNECTOR (04S-04090)	
11	154-222	2	CONNECTOR (060-08S)	
12	154-322	1	CONNECTOR (080-10S90)	
13	514-160	1	BRANCH TEE (08S-080-040)	
14	150-2227	2	CONNECTOR (040-06BS)	
15	117-622	1	ABRASION SLEEVE (1.25" X 20")	
16	154-276	2	CONNECTOR (040-08S90)	
17	154-227	1	CONNECTOR (060-08S90)	
18	154-838	1	HOSE (08FX90-44"-3000)	
19	159-821	1	HOSE (040FX90M-36"-3000)	
20	515-707	1	HOSE (060FX90S-32"-3000)	
21	154-740	1	HOSE (080FX90S-26"-3000)	REFER TO FOOTNOTE 1
22	154-730	1	HOSE (040FX45-66"-3000)	
23	154-730	1	HOSE (040FX45-66"-3000)	
24	154-674	1	HOSE (080FX-24"-3000)	
25	157-937	1	HOSE (060FX45-29"-3000)	
26	514-378	1	BRANCH TEE (080-10S-08S)	
27	154-295	1	BK RUN TEE (080-080-080BK)	REFER TO FOOTNOTE 2
28	154-327	1	CAP (080F)	
29	117-214	1	ABRASION SLEEVE (1.25" X 40")	
30	154-228	1	UNION (060-060FX90)	

NOT SHOWN:

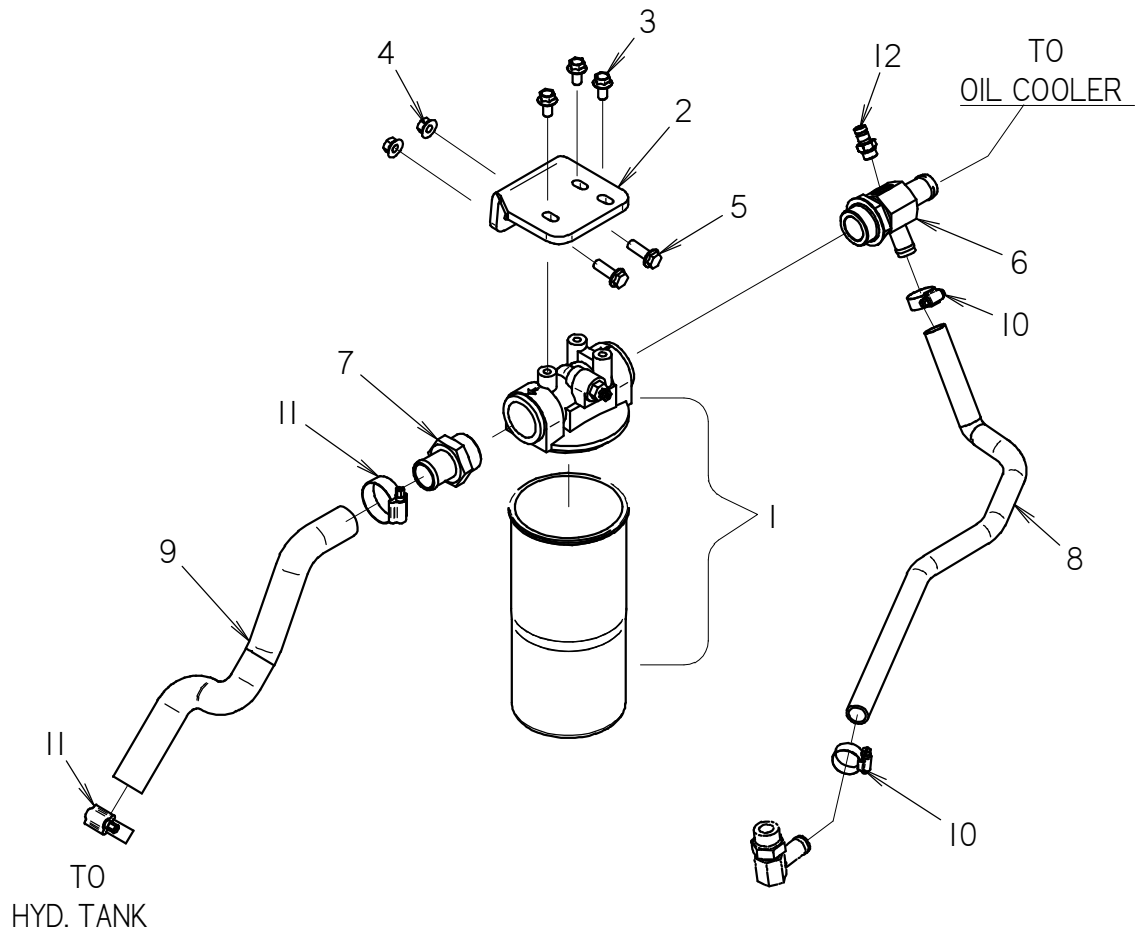
FOOTNOTES:

1. REFER TO "PUMP MOUNT" ID0210987 FITTINGS.
2. REFER TO "OIL COOLER HYDRAULICS" ID0198089.

NOTE:

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

HYDRAULIC FILTER RETURN RT80



HYDRAULIC FILTER RETURN RT80

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	106-266	2	FLG NUT (M10-I.50)	
5	107-002	2	FLG LK SCREW (M10-I.50 X 30MM)	
6	159-638	1	S/O BR TEE (20S-16H-12H-06S)	
7	155-004	1	S/O COUPLER (20S-20H)	
8	116-636	27	BULK HOSE (3/4", SOLD PER 1')	
9	116-587	19	BULK HOSE (1-1/4", SOLD PER 1')	
10	110-026	2	WORM CLAMP (1/2" TO 1-1/4")	
11	111-011	2	WORM CLAMP (1" TO 1-3/4")	
12	159-147	1	QDC ADAPTER (02-06S)	

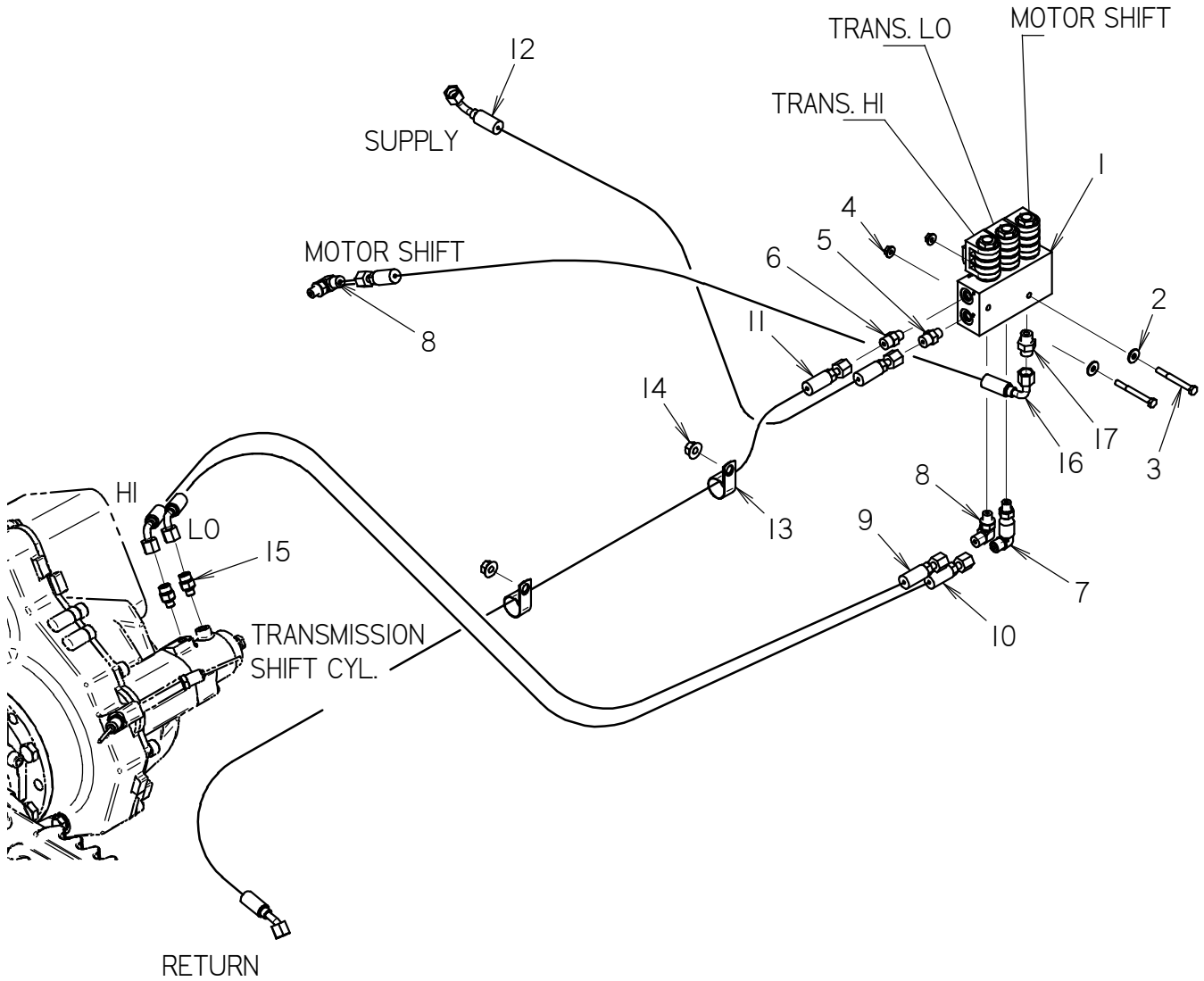
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FOOTNOTES:

NOTE:

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

SHIFT MANIFOLD RT80



SHIFT MANIFOLD RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	159-554	1	MANIFOLD (3-SP)	SEE FOOTNOTE 1
2	107-801	2	WASHER (M6)	
3	106-595	2	SCREW (M6-1.00 X 60MM)	
4	106-385	2	FLG LOCKNUT (M6-1.00)	
5	154-278	1	CONNECTOR (O4S-O4O)	
6	154-277	1	CONNECTOR (O4S-O4O, .062 ORF)	
7	154-474	1	CONNECTOR (O4S-O4O90, XL)	
8	154-252	2	CONNECTOR (O4S-O4O90)	
9	153-799	1	HOSE (O4OFX90S-38"-3000)	
10	153-799	1	HOSE (O4OFX90S-38"-3000)	
11	153-491	1	HOSE (O4OFX45-38"-3000-AR)	REFER TO RETURN MANIFOLD, ID0215703.
12	149-252	1	HOSE (O4OFX90-42"-3000)	
13	110-333	2	BOLT-ON CLAMP (1")	
14	106-266	2	FLG NUT (M10-1.50)	
15	150-2294	2	FITTING (M10-1.0 X -040)	
16	515-729	1	HOSE (O4OFX90-52"-3000)	
17	154-220	1	CONNECTOR (O4O-O6S)	

NOT SHOWN:

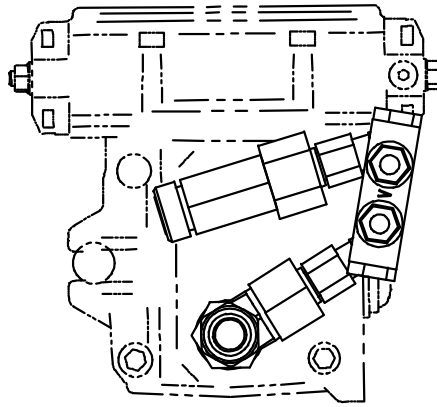
FOOTNOTES:

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

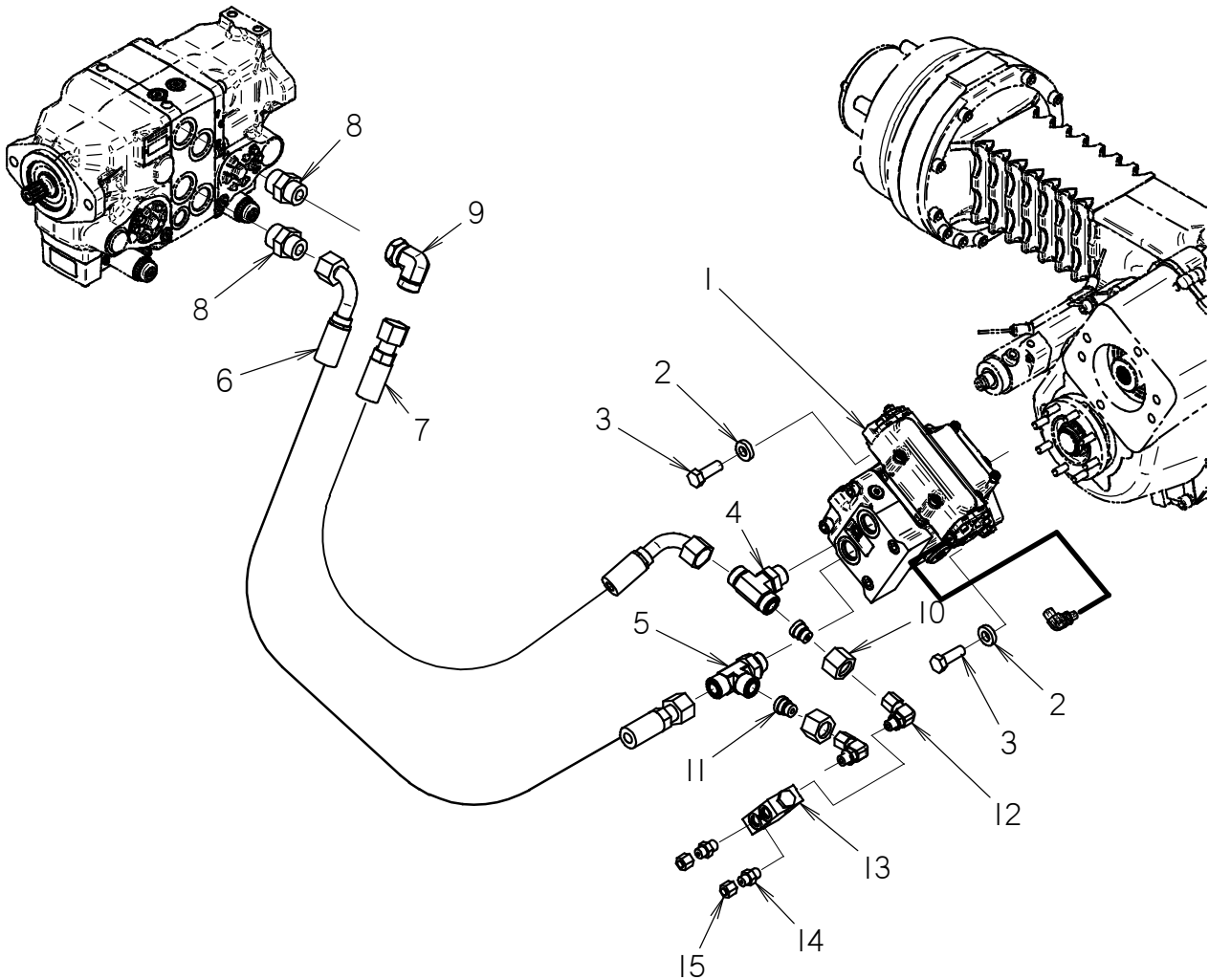
NOTE:

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

GROUND DRIVE HYDRAULICS RT80



FRONT VIEW
SHOWING ORIENTATION
OF LOCKOUT VALVE
REF#13



GROUND DRIVE HYDRAULICS

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	150-2741	1	PISTON MOTOR, 50/31CC VARIABLE	REFER TO SHIFT MANIFOLD, ID0216156.
2	105-244	2	WASHER	
3	105-840	2	SCREW (M14-2.0 X 40MM)	
4	154-294	1	BRANCH TEE (12S-120-120)	
5	154-292	1	RUN TEE (12S-120-120)	
6	150-2309	1	HOSE (120FX90S-22"-5000)	
7	153-076	1	HOSE (120FX90S-28"-5000)	
8	154-367	2	CONNECTOR (120-16S)	
9	154-457	1	UNION (120-120FX90)	
10	154-271	2	REDUCER NUT (120F)	
11	154-459	2	REDUCER STEM (060)	
12	154-343	2	UNION (06S-060FX90)	
13	155-623	1	DOUBLE LOCKOUT VALVE	
14	154-220	2	CONNECTOR (040-06S)	
15	154-296	2	CAP (040F)	

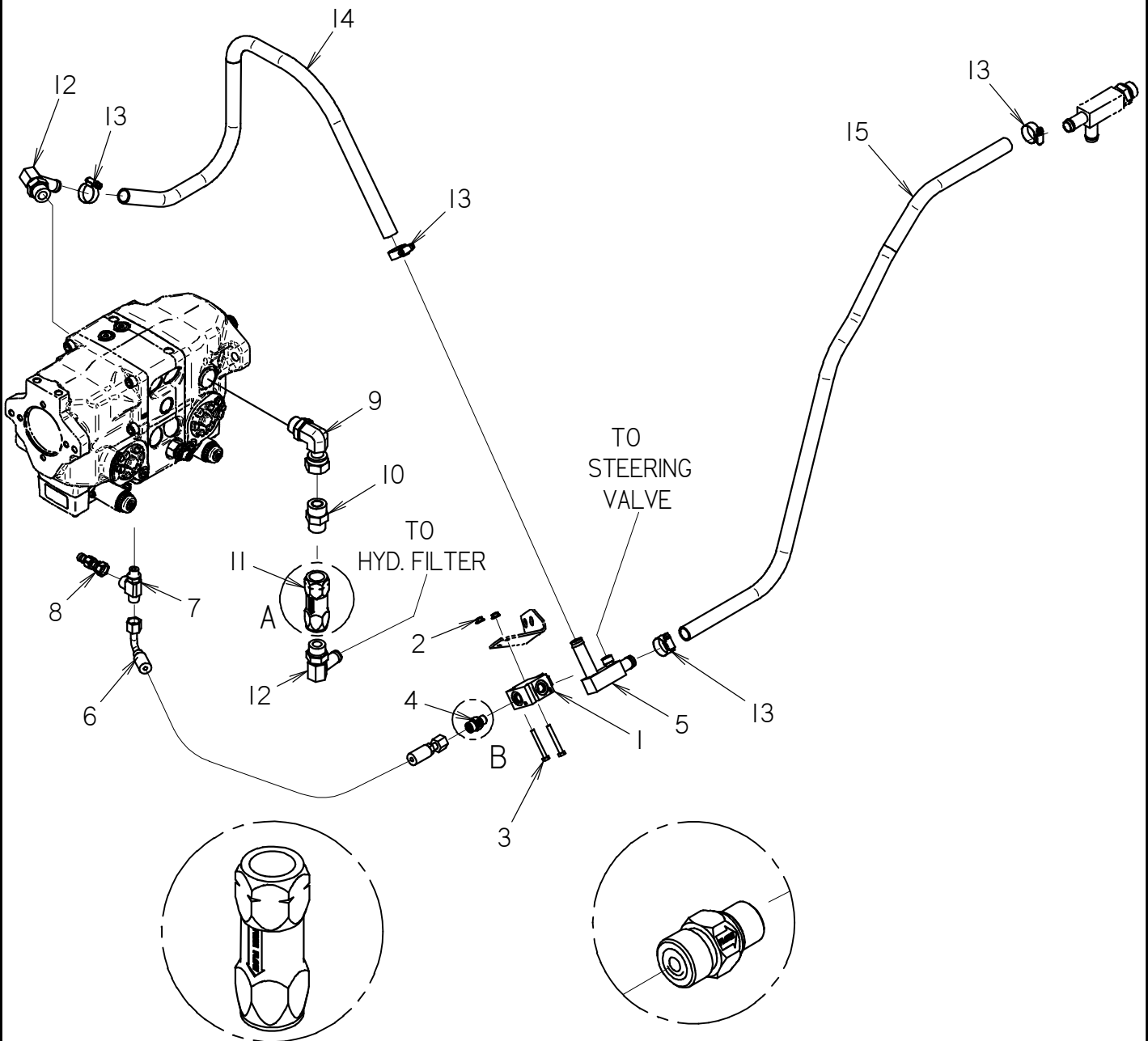
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FOOTNOTES:

NOTE:

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

FLUSHING/CHARGE/CASE DRAIN RT80



01

DETAIL A

DETAIL B

ID0216159

FLUSHING/CHARGE/CASE DRAIN RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	158-939	1	FLOW REGULATOR	
2	106-385	2	FLG LOCKNUT (M6-1.00)	
3	107-025	2	SCREW (M6-1.00 X 50MM)	
4	159-388	1	CHECK VALVE (06S-060)	
5	150-2297	1	S/O TEE (06S-12H90-060-12H90L)	
6	154-737	1	HOSE (060FX90-17"-3000)	
7	154-345	1	RUN TEE (06S-060-060)	
8	159-157	1	QDC ADAPTER (02-060F)	
9	154-444	1	UNION (12S-120FX90)	
10	154-269	1	CONNECTOR (12S-120)	
11	158-576	1	CHECK VALVE (12SF-12SF)	
12	155-174	2	S/O COUPLER (12S-12H90)	
13	110-026	4	WORM CLAMP (1/2" TO 1-1/4")	
14	116-636	40	BULK HOSE (3/4", SOLD PER FT.)	
15	116-636	60	BULK HOSE (3/4", SOLD PER FT.)	

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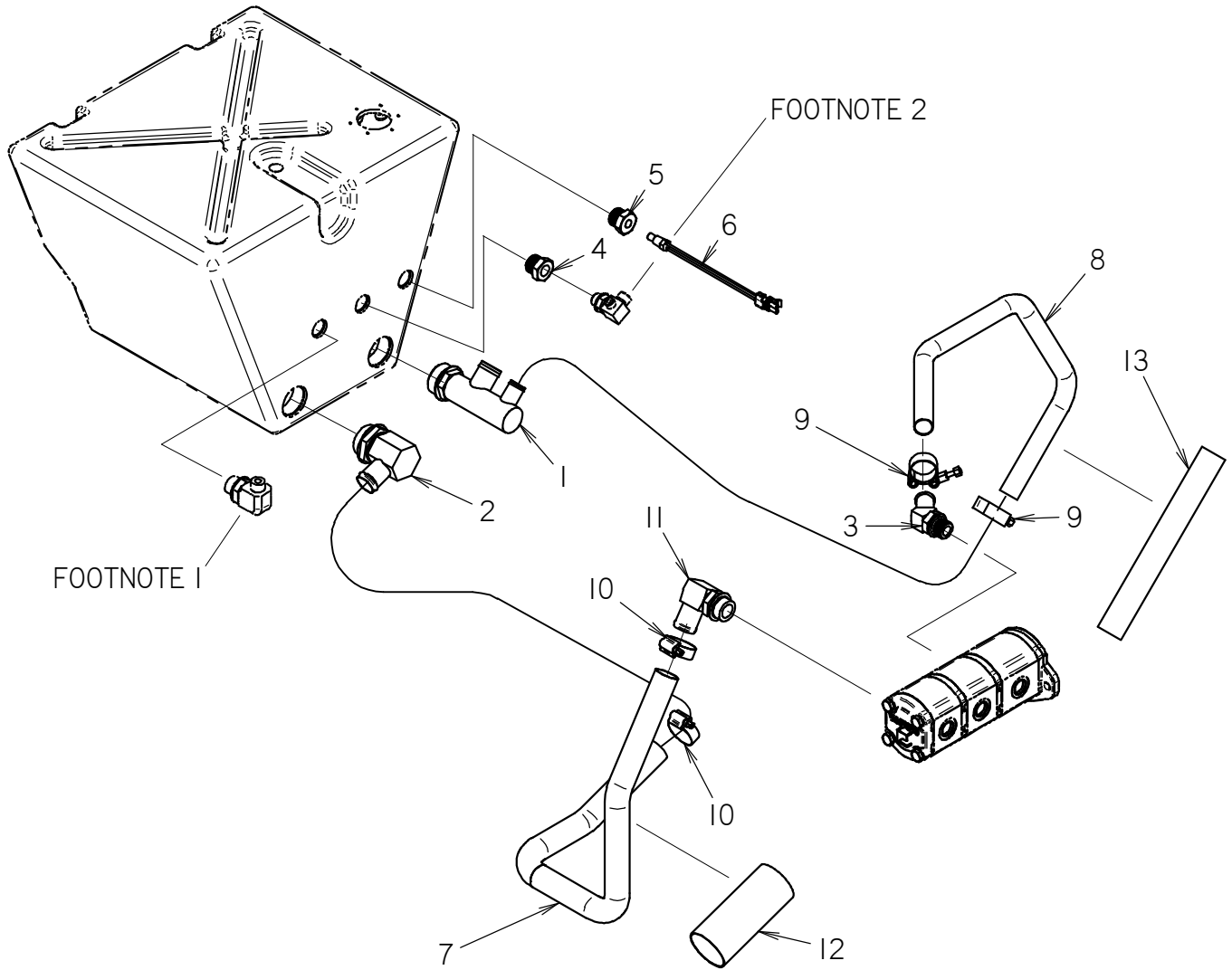
FOOTNOTES:

NOTE:

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

TANK RETURN/SUCTION

RT80
ENDS WITH S/N _____.



TANK RETURN/SUCTION
RT80
ENDS WITH S/N_____.

REF PART

NO.	NUMBER	QTY	DESCRIPTION	REMARKS
1	150-2298	1	S/O COUPLER (24S-20H-16H)	
2	514-184	1	S/O COUPLER (24S-20HSB90)	
3	155-197	1	REDUCER (12S-16H45)	
4	153-770	1	REDUCER (12S-8SF)	
5	159-688	1	REDUCER (12S-04N)	
6	214-854	1	TEMPERATURE SWITCH(1/4NPT,MALE)	
7	116-587	36	BULK HOSE (1-1/4", SOLD PER 1')	
8	116-460	30	BULK HOSE (1", SOLD PER FT.)	
9	111-027	2	T-BOLT CLAMP (1.25" - 1.50')	
10	111-011	2	WORM CLAMP (1" TO 1-3/4')	
11	155-149	1	S/O COUPLER (16S-20H90)	
12	115-733	31	ABRASION SLEEVE(SOLD PER FOOT)	
13	115-687	28	ABRASION SLEEVE, BLUE, 1.50" (SOLD PER FT)	

NOT SHOWN:

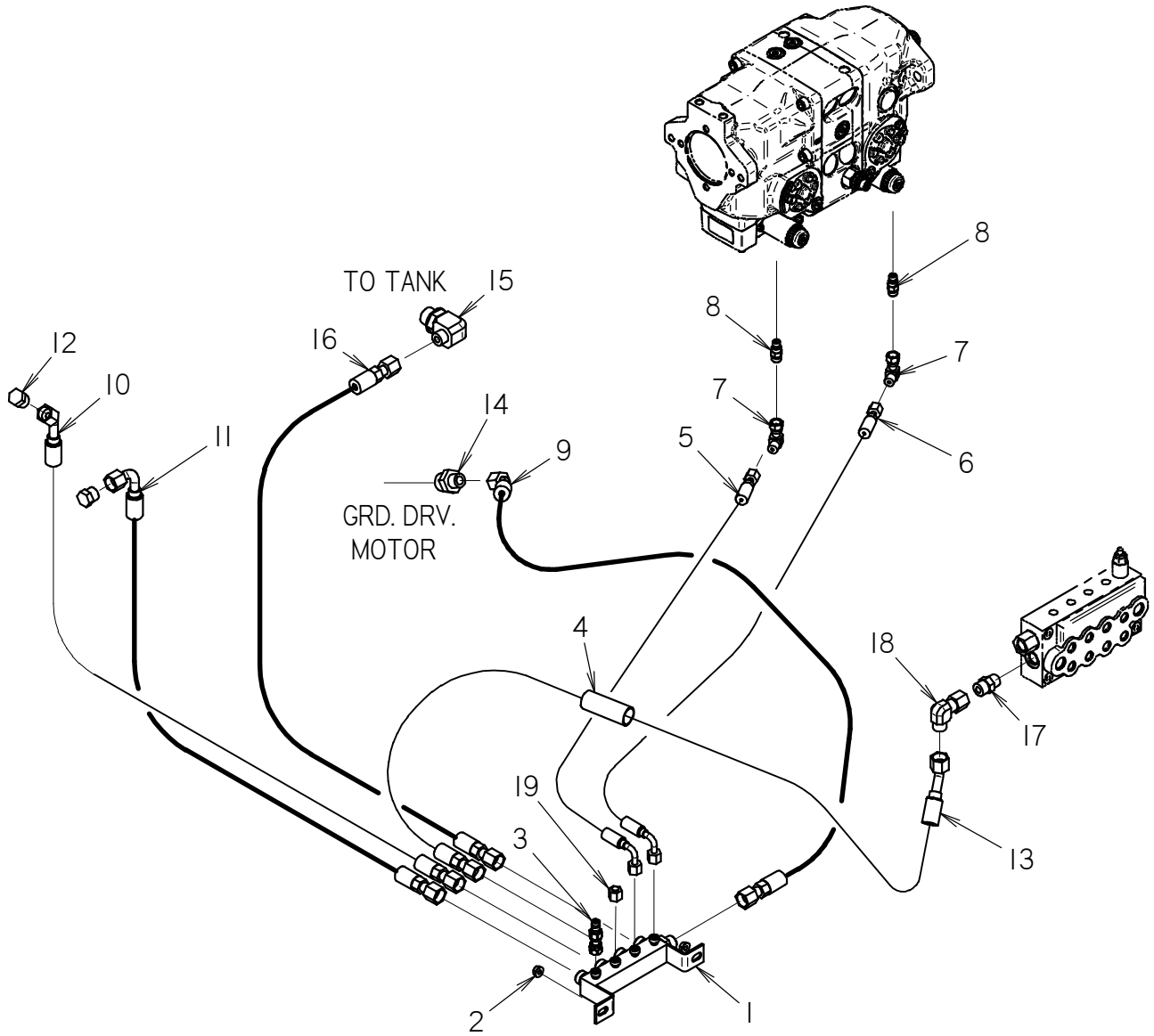
FOOTNOTES:

1. REFER TO "RETURN MANIFOLD HYDRAULICS" ID0215703 FOR MORE INFO.
2. REFER TO "POWER STEERING VALVE HYDRAULICS" ID0206906 FOR MORE INFO.

NOTE:

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

RETURN MANIFOLD RT80



RETURN MANIFOLD RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	150-2310	1	MANIFOLD	REFER TO SHIFT MANIFOLD, ID0216156.
2	105-003	2	FLG LOCKNUT (5/16-NC)	
3	159-156	1	QDC ADAPTER (02-040F)	
4	117-717	1	ABRASION SLEEVE (1.00" X 40")	
5	149-858	1	HOSE (040FX90-31"-3000)	
6	153-307	1	HOSE (040FX90-38"-3000)	
7	154-255	2	UNION (040-040FX90)	
8	150-2776	2	FITTING (04S-040, LONG)	
9	154-748	1	HOSE (080FX45-23"-3000)	
10	154-930	1	HOSE (080FX45-36"-3000)	
11	515-718	1	HOSE (080FX90-42"-3000)	
12	154-331	2	PLUG (080)	
13	149-222	1	HOSE (080FX45-42"-3000)	
14	154-234	1	CONNECTOR (080-12S)	
15	154-236	1	CONNECTOR (080-12S90)	
16	154-675	1	HOSE (080FX-40"-3000)	
17	154-233	1	CONNECTOR (08S-080)	
18	154-256	1	UNION (080-080FX90)	
19	154-296	1	CAP (040F)	

NOT SHOWN:

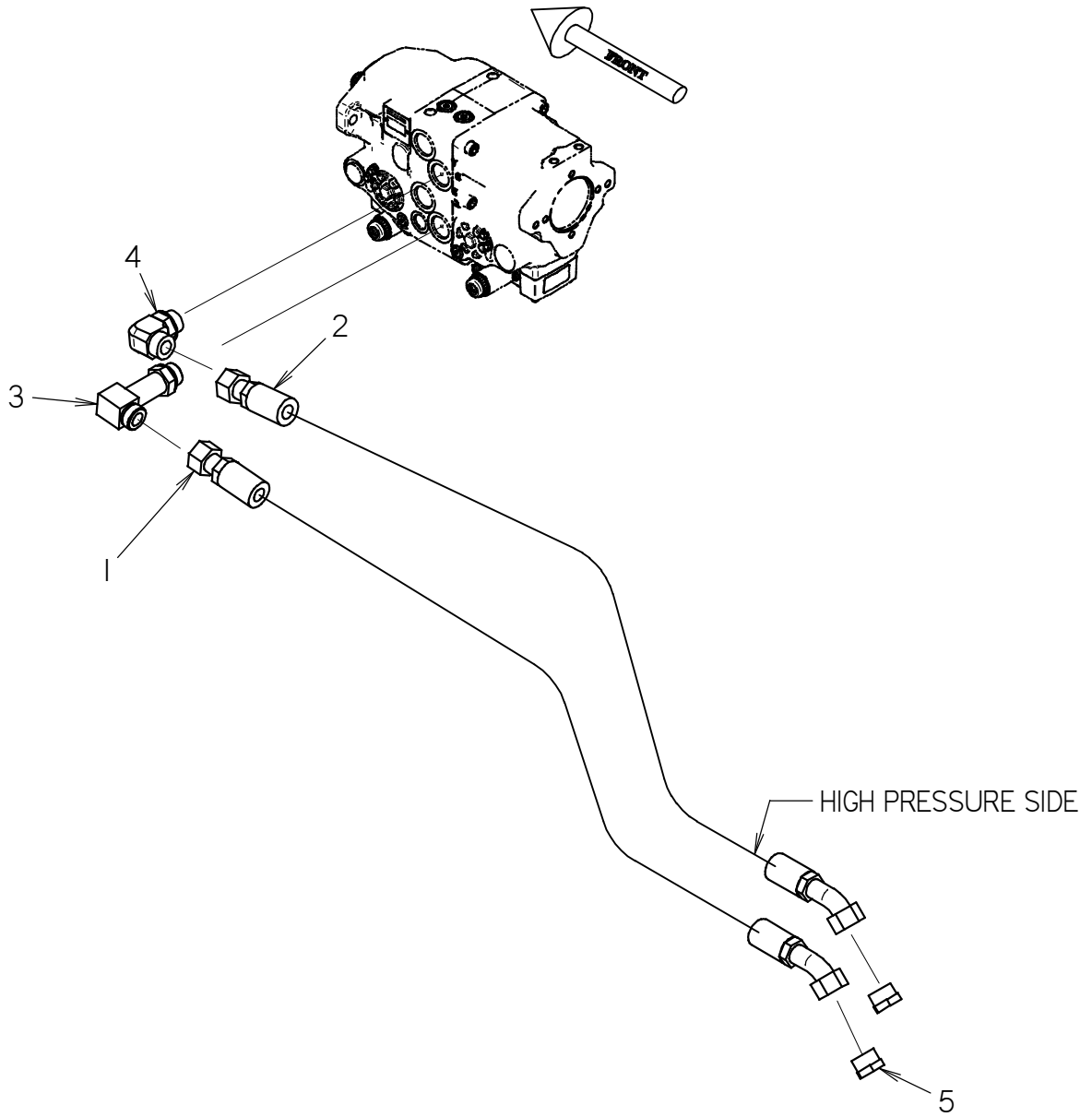
FOOTNOTES:

NOTE:

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

ATTACHMENT PUMP HYDRAULICS

RT80



ATTACHMENT PUMP HYDRAULICS RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	515-362	1	HOSE (160FX45S-49"-6000)	
2	515-362	1	HOSE (160FX45S-49"-6000)	HIGH PRESSURE SIDE
3	154-289	1	CONNECTOR (16S-16090, XL)	
4	154-287	1	CONNECTOR (16S-16090)	
5	154-334	2	PLUG (160)	

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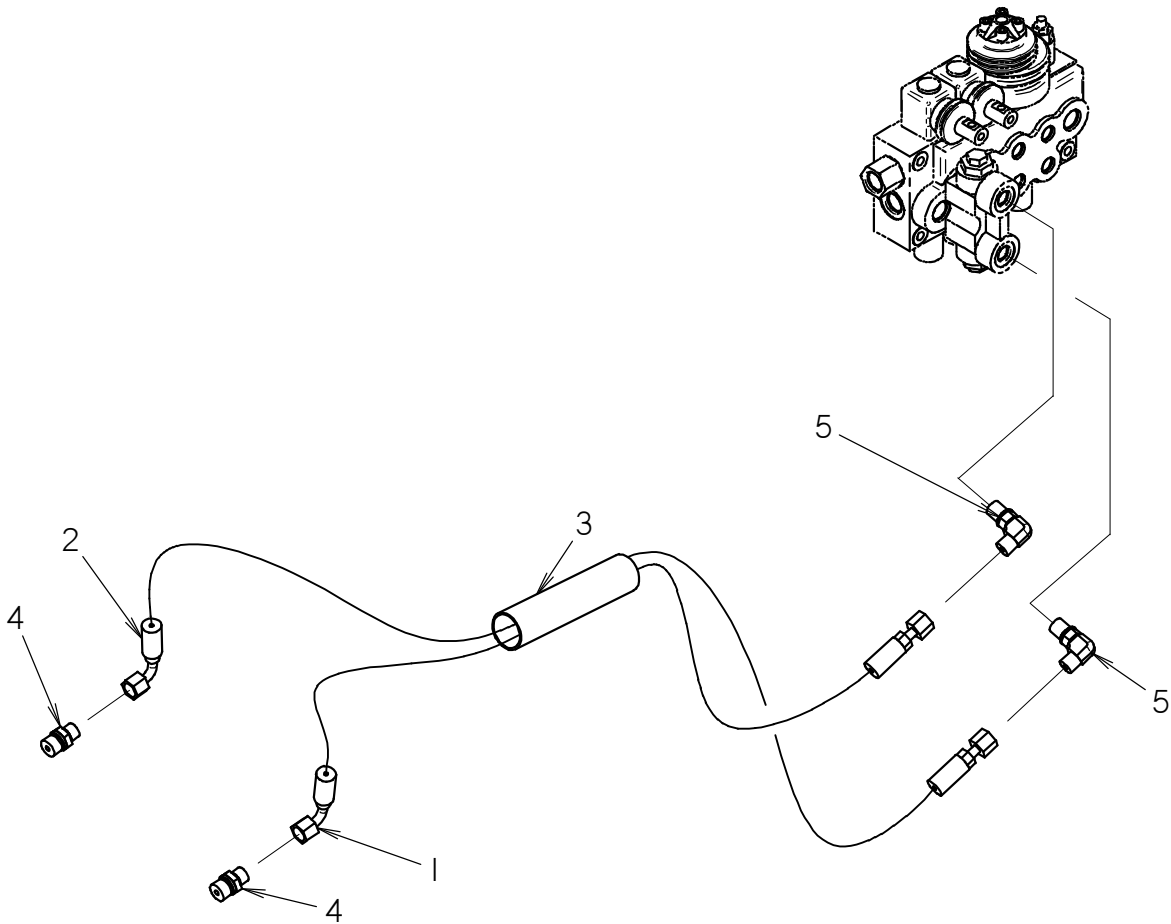
FOOTNOTES:

NOTE:

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

REAR STEER HYDRAULICS

RT80



REAR STEER HYDRAULICS RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
1	515-257	1	HOSE (040FX90S-54"-3000)	
2	515-257	1	HOSE (040FX90S-54"-3000)	
3	117-215	1	ABRASION SLEEVE (1.25" X 46")	
4	150-2227	2	CONNECTOR (040-06BS)	
5	154-226	2	CONNECTOR (040-06S90)	

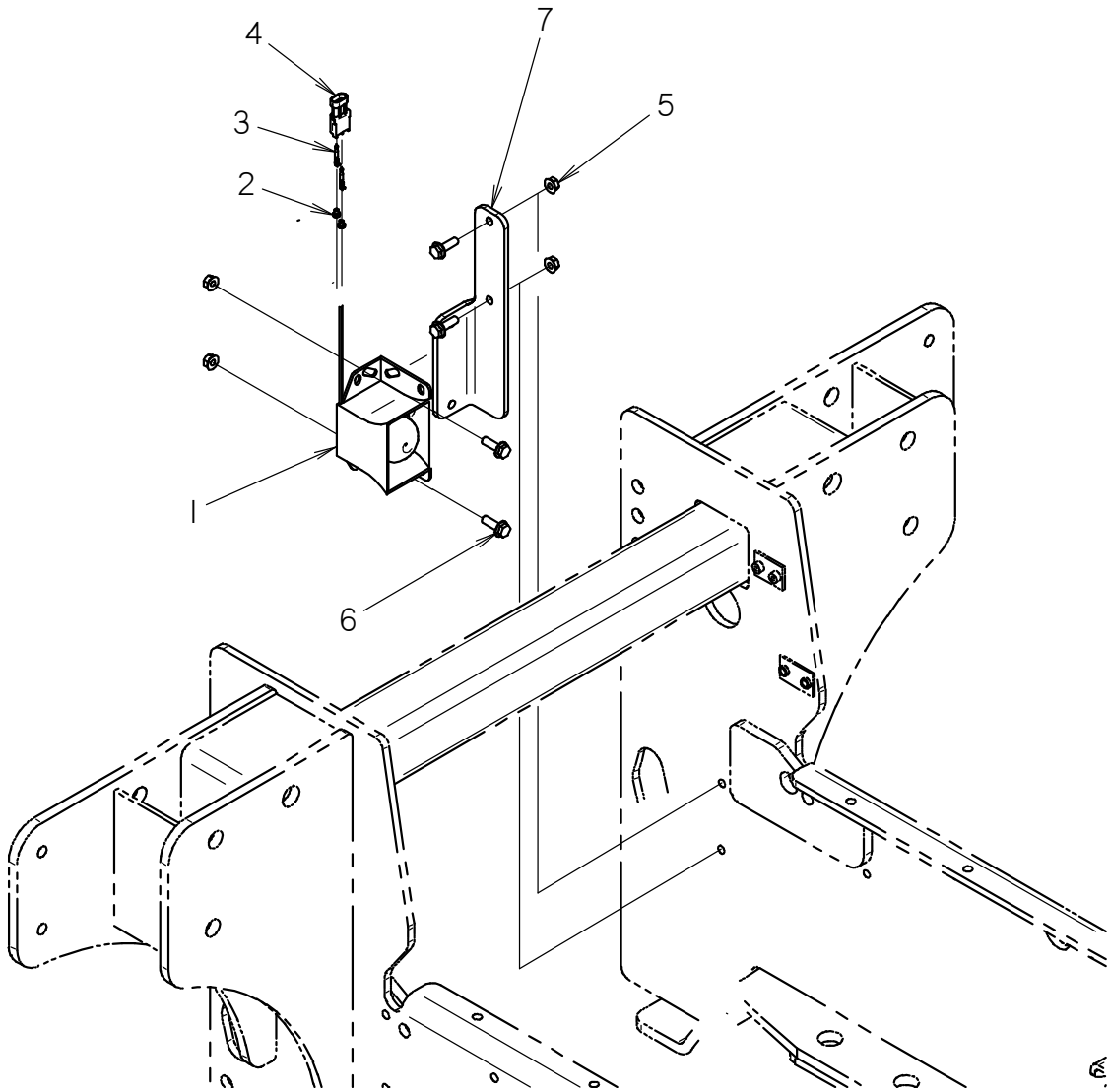
NOT SHOWN:

FOOTNOTES:

NOTE:
REFER TO O-RING CHART (800-301) IN BACK OF BOOK FOR REPLACEMENT OF O-RINGS.

ELECTRICAL

BACK UP ALARM RT80



BACK UP ALARM

RT80

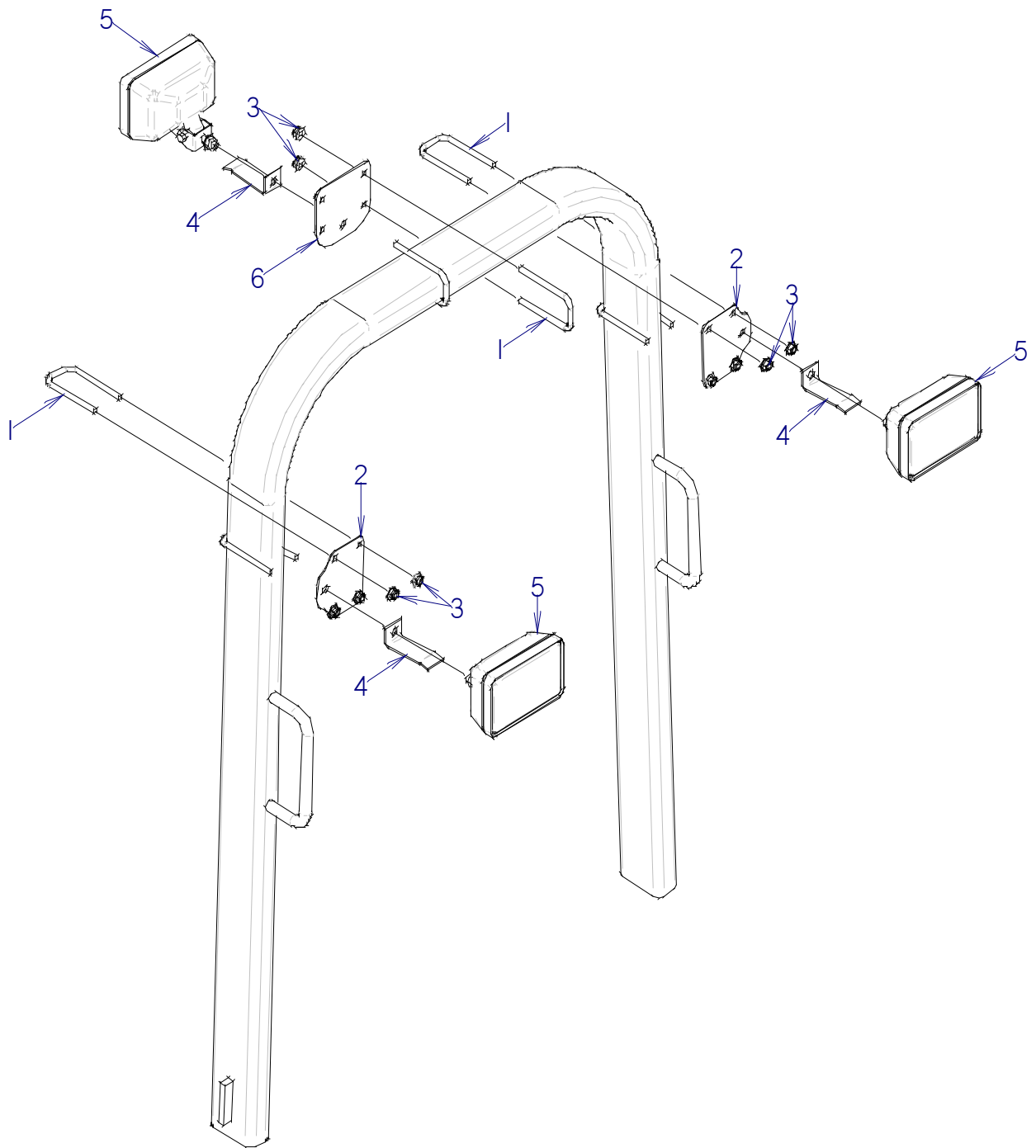
REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	350-2155	-	RT80 BACKUP ALARM	INCL. REF #'S 1 THRU 6
1	306-602	1	ALARM	
2	157-645	2	WEATHER-PAC SEAL (2.80MM)	
3	214-104	2	PACKARD MALE TERMINAL	
4	214-103	1	(2-WAY) MALE CONNECTOR	
5	106-386	4	FLG LOCKNUT (M8-1.25)	
6	106-381	4	FLG LK SCREW (M8-1.25 X 25MM)	
7	301-1453	1	ALARM MOUNT BRACKET	

NOT SHOWN:

FOOTNOTES:

NOTE:

2-POST ROPS LIGHT KIT



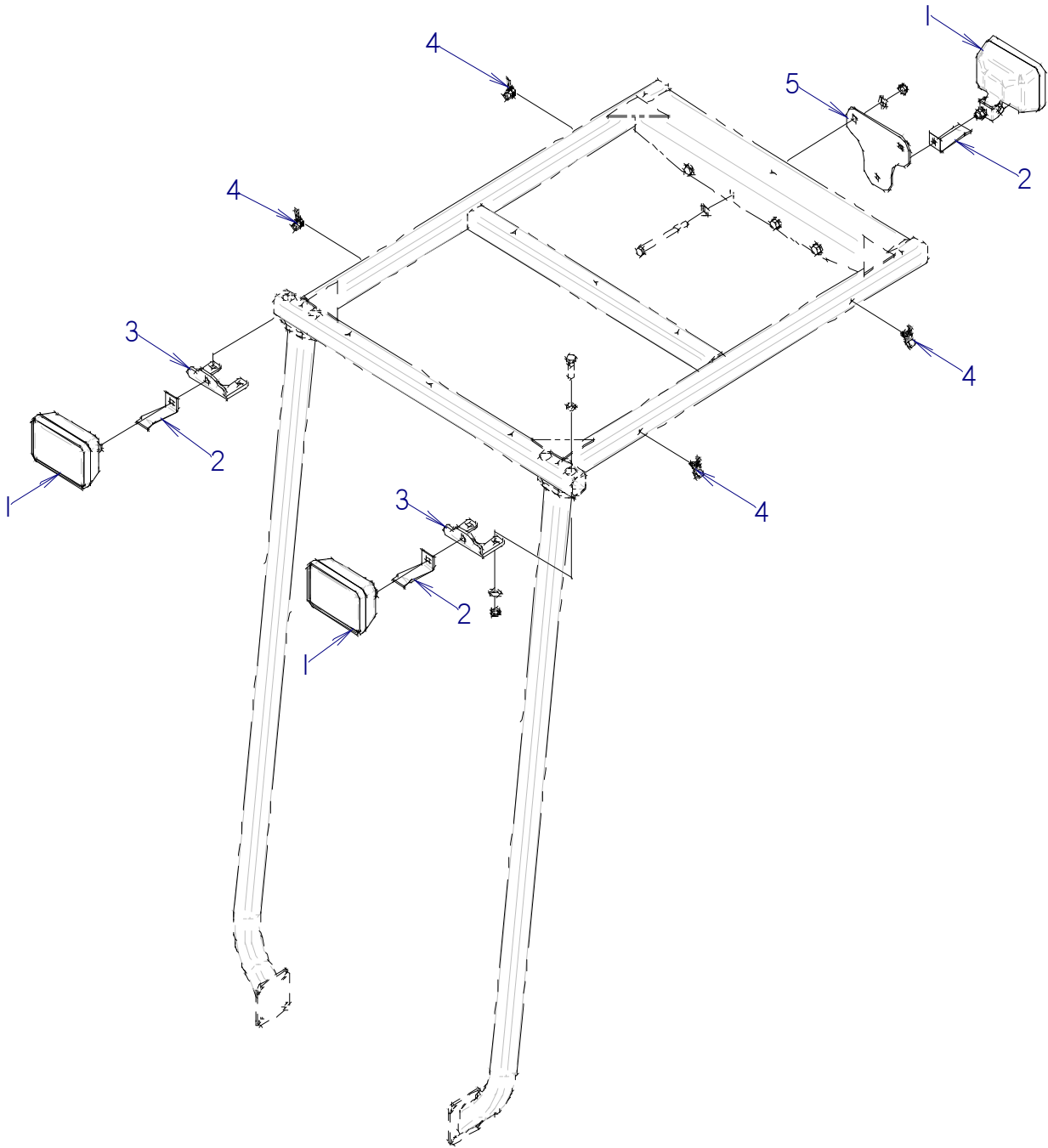
2-POST ROPS LIGHT KIT

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 LIGHT KIT



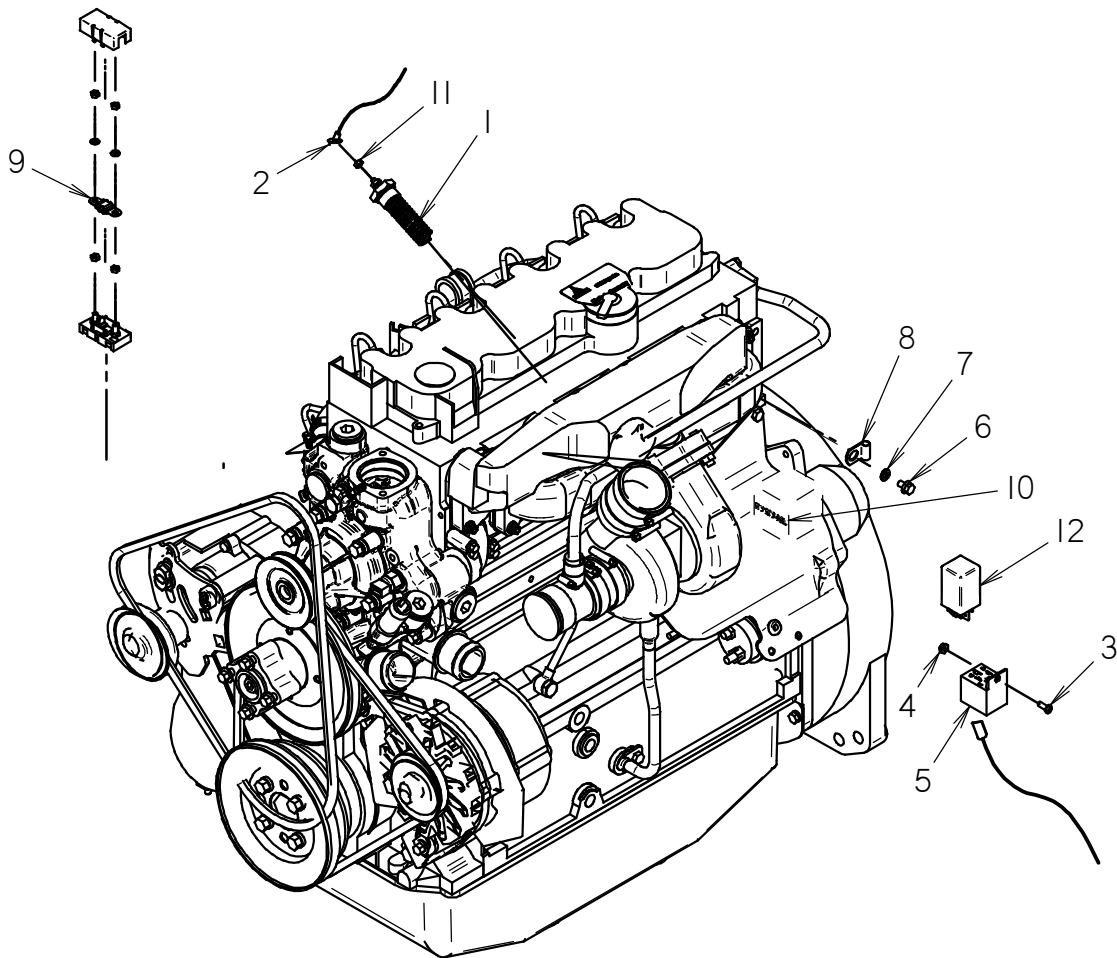
4-POST ROPS LIGHT KIT

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:

COLD START KIT RT80



COLD START KIT

RT80

REF NO.	PART NUMBER	QTY	DESCRIPTION	REMARKS
	350-2247	-	COLD START KIT	INCL'S REF NO:S 1 THRU 10
1	215-061	1	HEATER PLUG	
2	215-1497	1	COLD START JUMPER HARNESS	
3	105-185	1	BOLT (#10-24 X 1/2", RD SLT)	
4	106-048	1	LOCKNUT (#10-24)	
5	213-245	1	BASE/PEDESTAL	
6	106-224	1	FLG SCREW (M6-1.00 X 10MM)	
7	107-744	1	WASHER (M6)	
8	110-754	1	CLAMP (5/16")	
9	211-317	1	BK/AMI 50 AMP FUSE	USE CMW NUT 506-021 FOR REPLACEMENT
10	215-1496	1	HARNESS, COLD START	
11	106-138	1	NUT (M5-.80)	
12	213-244	1	GL.TIME CONTR. UNIT	

NOT SHOWN:

FOOTNOTES:

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

RT80

Related Publications

Component	Ass'y	P/N
Model:		
RT80 Parts Manual		053-1271
RT80 Operators Manual		053-1343
RT80 Repair Guide (Service Manual)		N/A
RT80 Technical Supplement		053-1340
Engine:		
Deutz Parts Manual	195-1082 ...	053-1341
Deutz Operators Manual		053-1342
Deutz Service (Shop) Manual		053-1244

Filters

Engine:		
Air Filter Parts Ass'y		194-484
Element (primary)		194-830
Element (secondary)		194-577
Oil Filter Element (spin-on) - Deutz		195-849
Fuel Filter Element (spin-on)Primary		195-807
Fuel Filter Element (spin-on)Secondary		194-491
Hydraulic:		
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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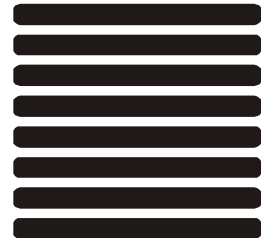
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