



Illustrated Parts Manual

Model

530LRT

SN E200000676

to Present

Including SN 1200030223

P/N

3121782

August 20, 2018 - Rev A

ANSI

CE



AS/NZS



An Oshkosh Corporation Company

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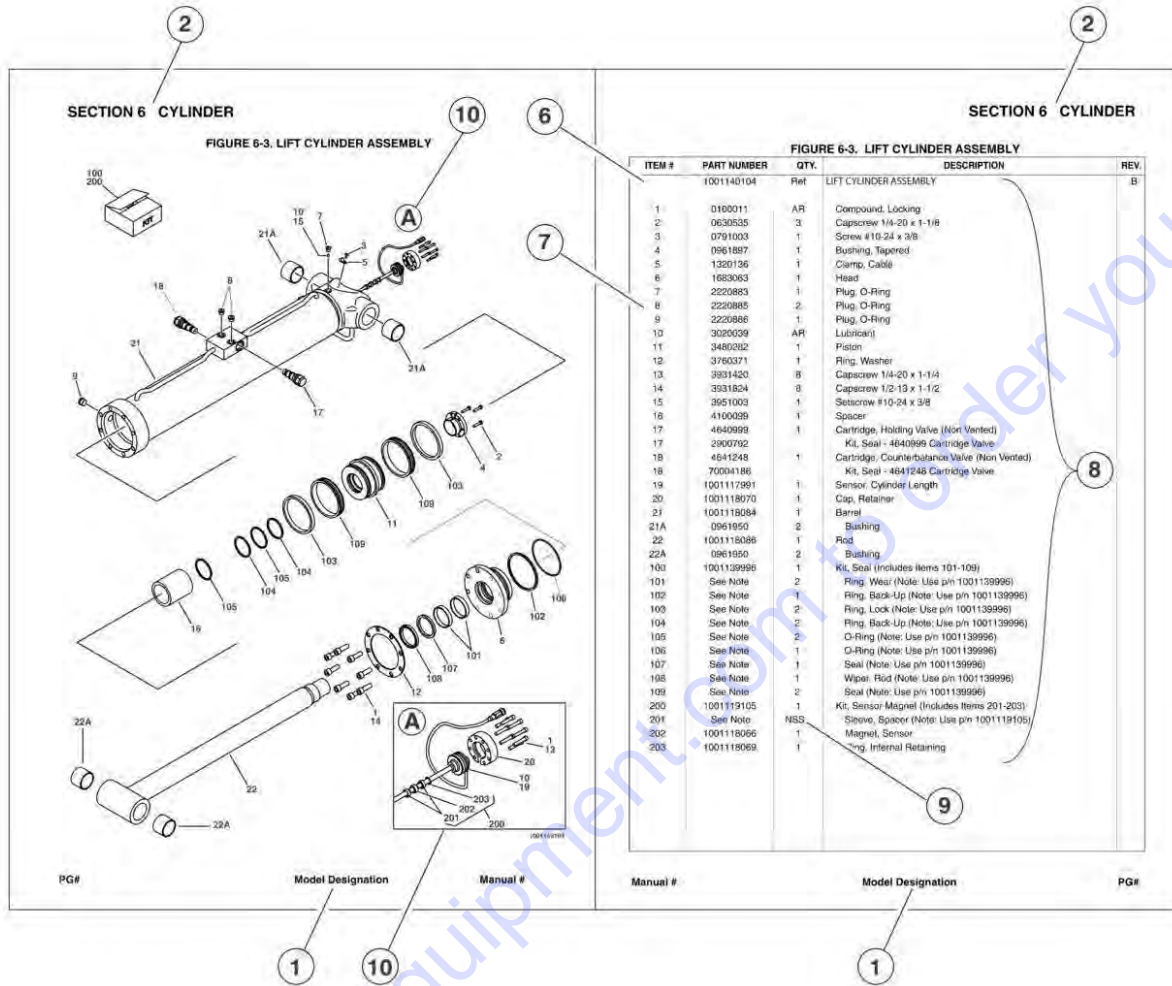
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REVISION LOG

August 20, 2018 - A - Original Issue Of Manual (Edited to B/M 1001182000 Revision Y) (Revision 4)

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GENERAL INFORMATION



1) MACHINE IDENTIFICATION

Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (i.e ANSI, CE, CSA). Components may also be identified by SN or manufacturer. Common components that may be identified by these characteristics are engines and hydraulic components.

2) PARTS MANUAL ORGANIZATION

Product information in this manual is organized under section titles. Frame, Cylinder, Hydraulic and Electrical are a few examples. Each section is organized by figure and page number. The information within the Figure is then organized by item number, part number, description and corresponding illustration (s).

3) TABLE OF CONTENTS

A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS

The Recommended Spare Parts, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS

In some instances, it is necessary to display non-serviced parts, assemblies or installations. In the case of assemblies and installations there will be a Ref in the Qty column. In case of parts that are not available for service within assemblies or components, there will be a NSS (Not Sold Separately) or NLA (No Longer Available) listed in the Qty. column of the manual.

7) PARTS LIST ITEM NUMBERS

Numbers shown in the item# column correspond to numbers used in the associated illustration (s). Item numbers which are missing from the sequence in the parts list are not used on that page

8) INDENTED PARTS DESCRIPTION

An indented part description is included in the item under which it is indented.

9) ABB REVIATION AND SYMBOLS

AC.....	.. Alternating Current	LCD.....	.. Liquid Crystal Display
ADE.....	.. Advanced Design Electronics	LED.....	.. Light Emitting Diodes
ANSI.....	.. American National Standards Institute	LH.....	.. Left Hand
AR.....	.. As Required	LSS.....	.. Load Sensing System
ASSY.....	.. Assembly	M(m).....	.. Metric/Meter
AUX.....	.. A uxiliary	MM (mm).....	.. Milimeter
AWG.....	.. American Wire Gauge	mA.....	.. Milliamps
B/M.....	.. Bill of Material	NLA.....	.. No Longer Available
CE.....	.. European Conformity	NPT.....	.. National Pipe T threads
CCW.....	.. Counter Clockwise	NSS.....	.. Not Sold Separately
cm.....	.. Centimeter	OD.....	.. Outside Diameter
CW.....	.. Clockwise	ORB.....	.. O-Ring Boss
CSA.....	.. Canadian Standards Association	ORFS.....	.. O-Ring Face Seal
CYL.....	.. Cylinder	OZ (oz).....	.. Ounces
DIA.....	.. Diameter	PG.....	.. Page
DC.....	.. Direct Current	P/N.....	.. Part Number
EMS.....	.. Emergency Stop	qt.....	.. Quarts
ENG.....	.. Engine	QTY.....	.. Quantity
FT (ft).....	.. Feet	REF.....	.. Reference
GA (Ga).....	.. Gauge	REV.....	.. Revision Level
HYD.....	.. Hydraulic	RH.....	.. Right Hand
Hz.....	.. Hertz	SAE.....	.. Society of Automotive Engineers
ID.....	.. Inside Diameter	SN.....	.. Serial Number
in.....	.. inches	SPEC(S).....	.. Specifications
ISO.....	.. International Organization for Standards	T/T.....	.. Turntable
JIC.....	.. Joint Industry Council	UGM.....	.. Universal Ground Module
KG.....	.. Kilogram	V.....	.. Volts
L.....	.. Liter	W.....	.. Watts
LB.....	.. Pounds	#.....	.. Number

10) ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations may contain reference letters that are intended to track information (i. e. hoses, harnesses) from one point to another or to track visual enlargement of components to show details that may be located in another area on the illustration.

Note: Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification.

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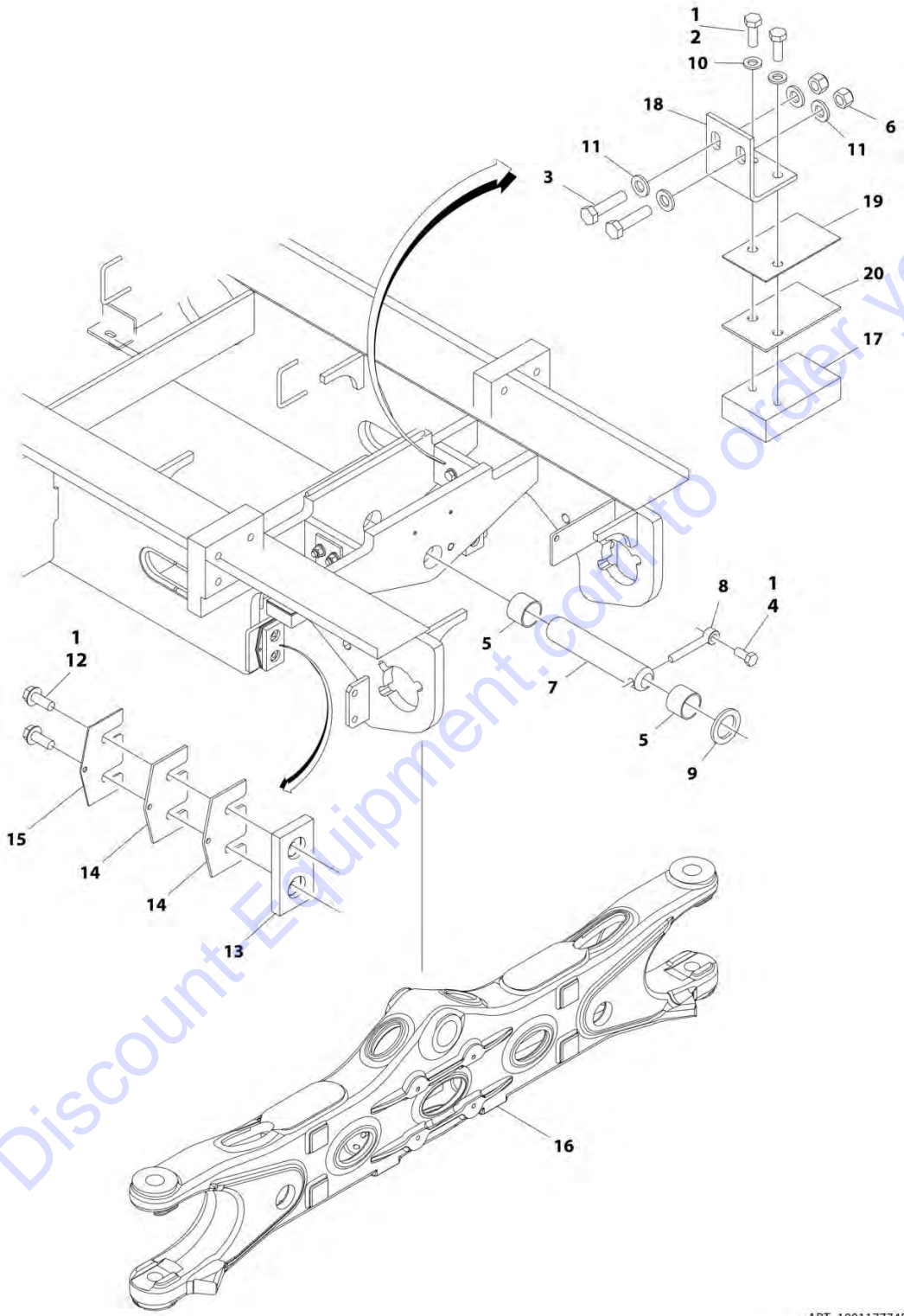
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SECTION 1 - FRAME

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SECTION 1 - FRAME

FIGURE 1-1. AXLE INSTALLATION - FIXED



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SECTION 1 - FRAME

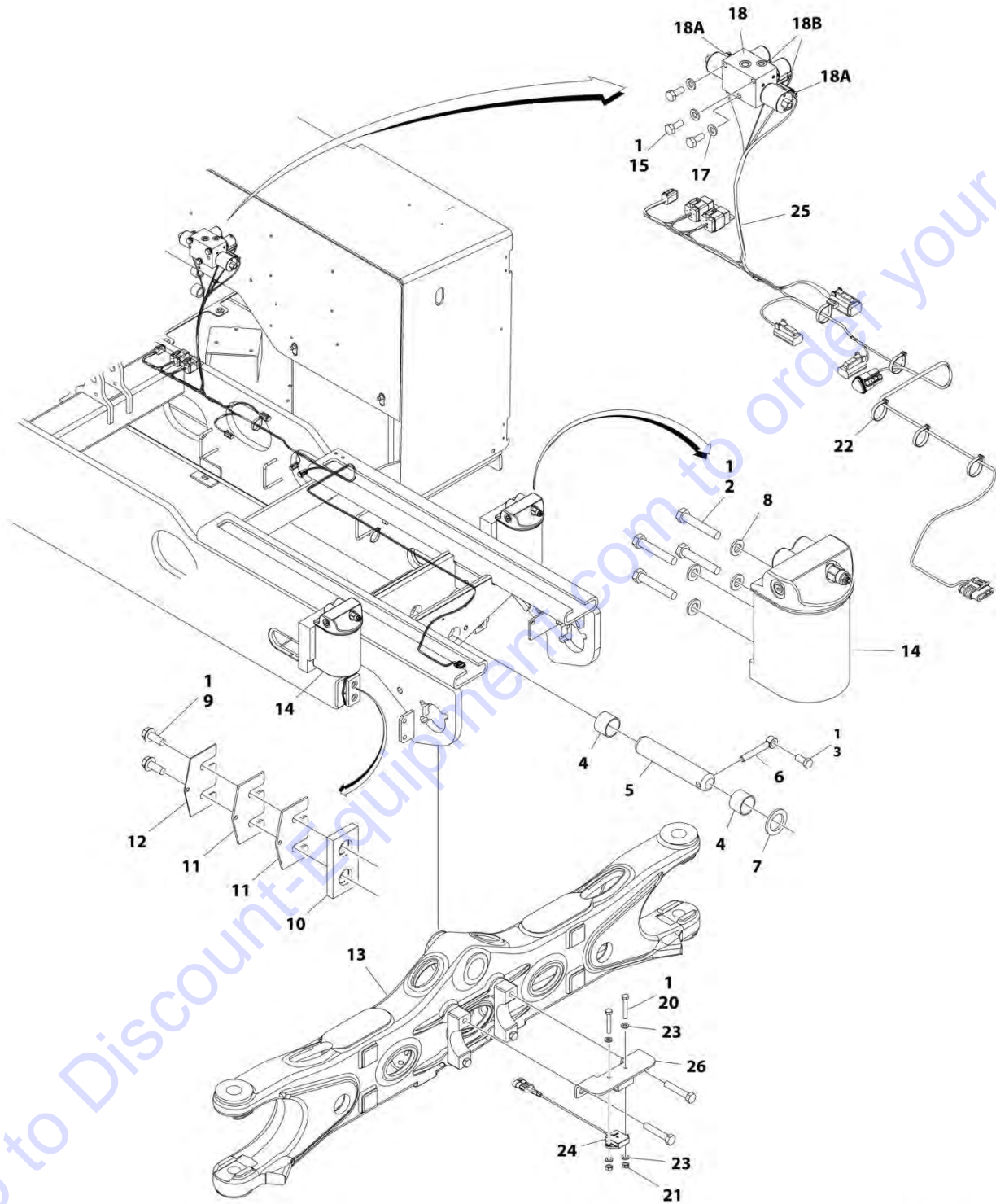
FIGURE 1-1. AXLE INSTALLATION - FIXED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177745	Ref	AXLE INSTALLATION - FIXED	A
1	0100011	AR	Compound, Locking	
2	0701014	4	Bolt M10 x 30	
3	0701218	4	Bolt M12 x 50	
4	0761615	1	Bolt M16 x 35	
5	0961950	2	Bearing	
6	3291205	4	Nut M12	
7	3422592	1	Pin	
8	3841258	1	Keeper, Pin	
9	4740158	1	Washer	
10	5241000	4	Washer M10	
11	5241200	8	Washer M12	
12	5251012	4	Bolt M10 x 25	
13	1001118511	2	Pad, Wear	
14	1001118518	4	Shim 11Ga	
15	1001118519	2	Shim 16Ga	
16	1001162995	1	Axle	
17	1001180307	2	Block	
18	1001180309	2	Bracket	
19	1001180315	2	Shim .06	
20	1001180316	2	Shim .12	

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SECTION 1 - FRAME

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING



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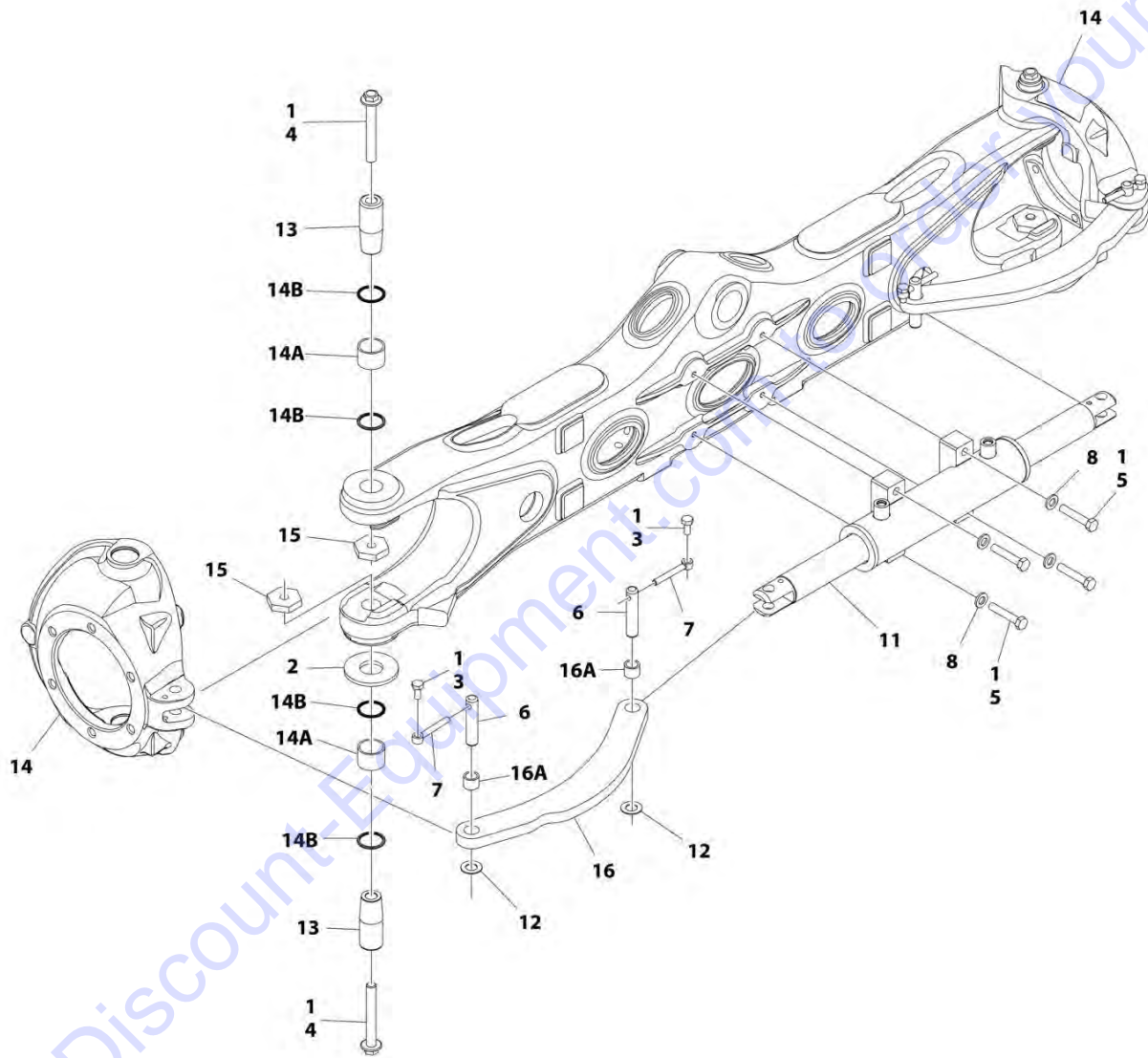
SECTION 1 - FRAME

FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177749	Ref	AXLE INSTALLATION - OSCILLATING	F
1	0100011	AR	Compound, Locking	
2	0701222	8	Bolt M12 x 70	
3	0761615	1	Bolt M16 x 35	
4	0961950	2	Bearing	
5	3422592	1	Pin	
6	3841258	1	Keeper, Pin	
7	4740158	1	Washer	
8	5241200	8	Washer M12	
9	5251012	4	Bolt M10 x 25	
10	1001118511	2	Pad, Wear	
11	1001118518	4	Shim 11Ga	
12	1001118519	2	Shim 16Ga	
13	1001162995	1	Axle	
14	1001163580	2	Axle Lockout Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
15	0701012	3	Bolt M10 x 25	
17	5241000	3	Washer M10	
18	1001191201	1	Axle Lockout Valve Assembly	
18A	7012910	2	Cartridge, Solenoid Less Coil	
18A	2900708	2	Seal Kit - 7012910 Valve	
18A	70003977	2	Nut, Coil	
18A	70050516	2	Coil	
18B	70005163	2	Cartridge, Solenoid Less Coil	
18B	70005164	2	Seat Kit - 70005163 Valve	
18B	7022390	2	Nut, Coil	
18B	70002963	2	Coil	
20	0700616	2	Bolt M6 x 40	
21	3290601	2	Nut M6	
22	4240018	5	Tie-Strap	
23	4811700	4	Washer M6	
24	1001186467	1	Sensor, Dual Axis	
25	1001187601	1	Oscillating Axle Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	1001187695	1	Bracket	

SECTION 1 - FRAME

FIGURE 1-3. STEER INSTALLATION



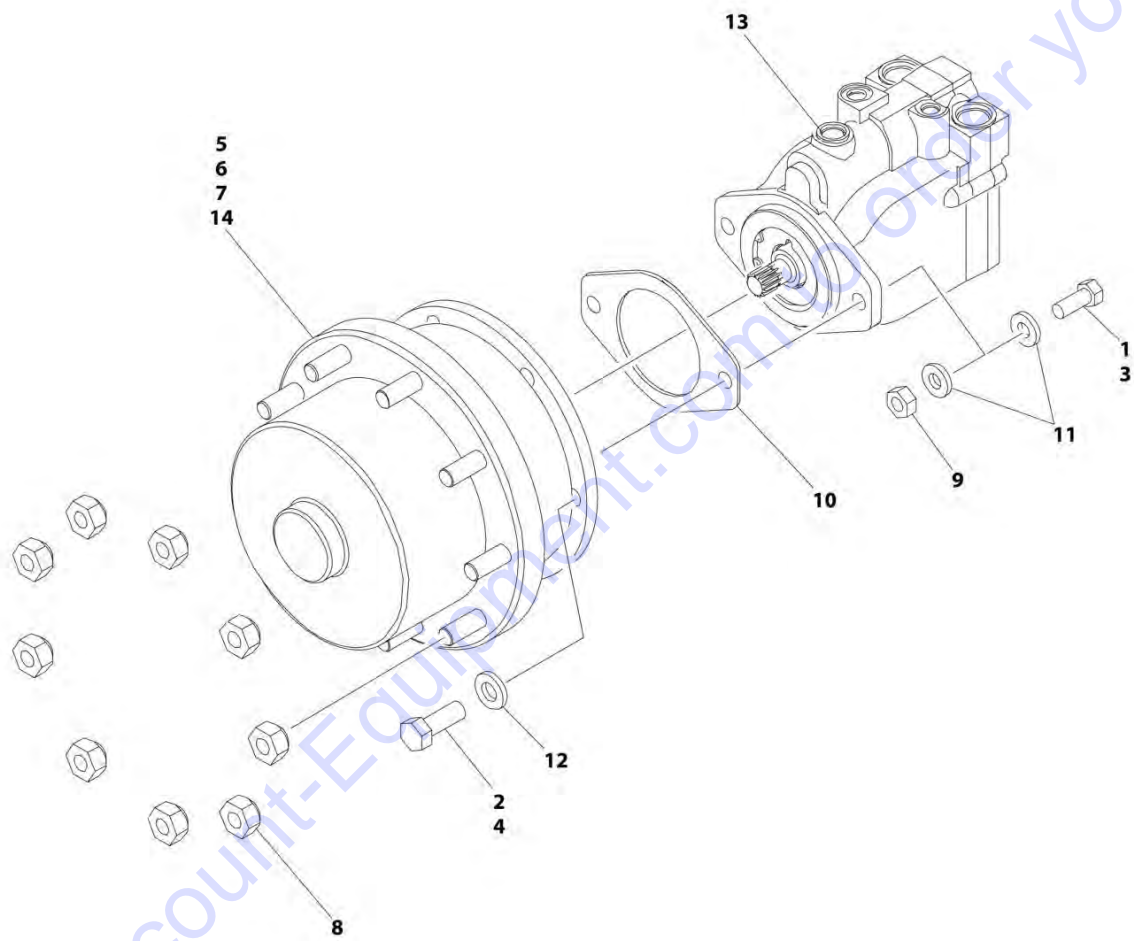
ART_1001177747

FIGURE 1-3. STEER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177747	Ref	STEER INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	1001233139	2	Washer, Thrust	
3	0761011	4	Bolt M10 x 22	
4	1001190368	4	Bolt M16 x 120	
5	0711221	4	Bolt M12 x 65	
6	3423304	4	Pin, Pivot	
7	3841143	4	Keeper, Pin	
8	5241200	4	Washer M12	
11	1001163178	1	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
12	4740086	4	Washer	
13	1001163405	4	Kingpin	
14	1001163715	2	Spindle Assembly	
14A	0961948	2	Bearing	
14B	1001163716	4	Seal	
15	1001176848	4	Nut M16	
16	1001179256	2	Tie-Rod	
16A	1001164209	2	Bearing	

SECTION 1 - FRAME

FIGURE 1-4. WHEEL DRIVE INSTALLATION



ART_1001102804

SECTION 1 - FRAME

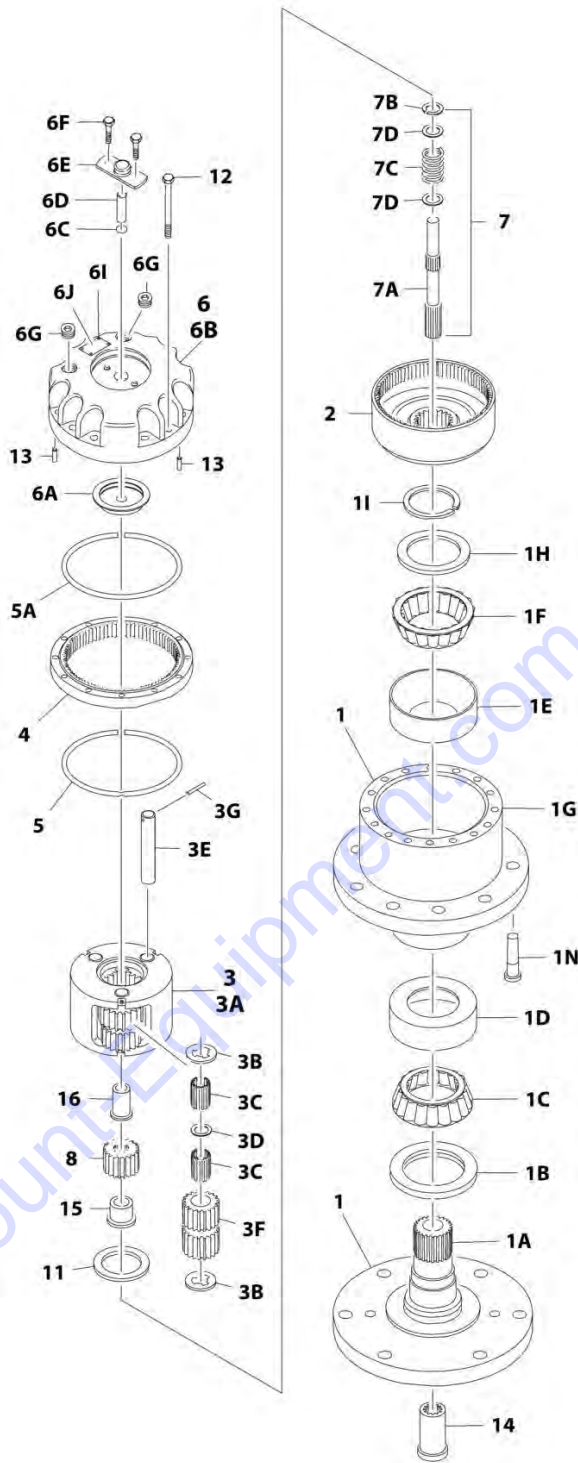
FIGURE 1-4. WHEEL DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102804	Ref	WHEEL DRIVE INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	4	Bolt 1/2 x 1-1/4	
4	0682014	24	Bolt 5/8 x 1-3/4	
5	2300016	AR	Fluid, Hydraulic	
6	2780267	2	Drive Hub with Brake Assembly (Rear) (See Separate Breakdown in this Section)	
7	2780268	2	Drive Hub without Brake Assembly (Front) (See Separate Breakdown in this Section)	
8	3300106	36	Lugnut	
9	3311801	4	Nut 1/2	
10	3960526	4	Gasket	
11	4891800	8	Washer 1/2	
12	4892000	24	Washer 5/8	
13	1001102805	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
14	3020008	AR	Lubricant HD 80W-90	

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FIGURE 1-5. DRIVE HUB ASSEMBLY - FRONT



ART_2780268

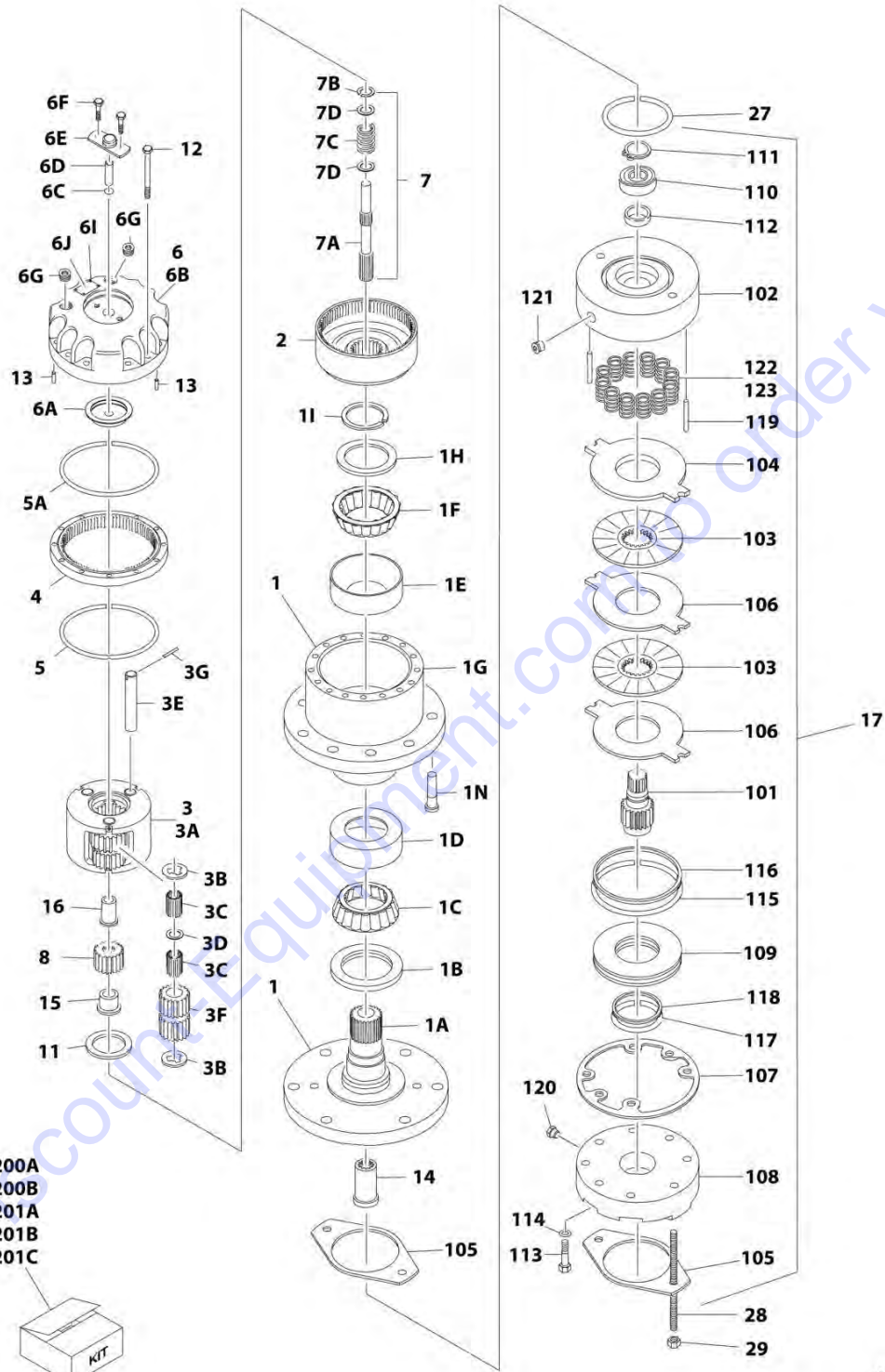
SECTION 1 - FRAME

FIGURE 1-5. DRIVE HUB ASSEMBLY - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780268	Ref	DRIVE HUB ASSEMBLY - FRONT	A
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	

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FIGURE 1-6. DRIVE HUB AND BRAKE ASSEMBLY - REAR



SECTION 1 - FRAME

FIGURE 1-6. DRIVE HUB AND BRAKE ASSEMBLY - REAR

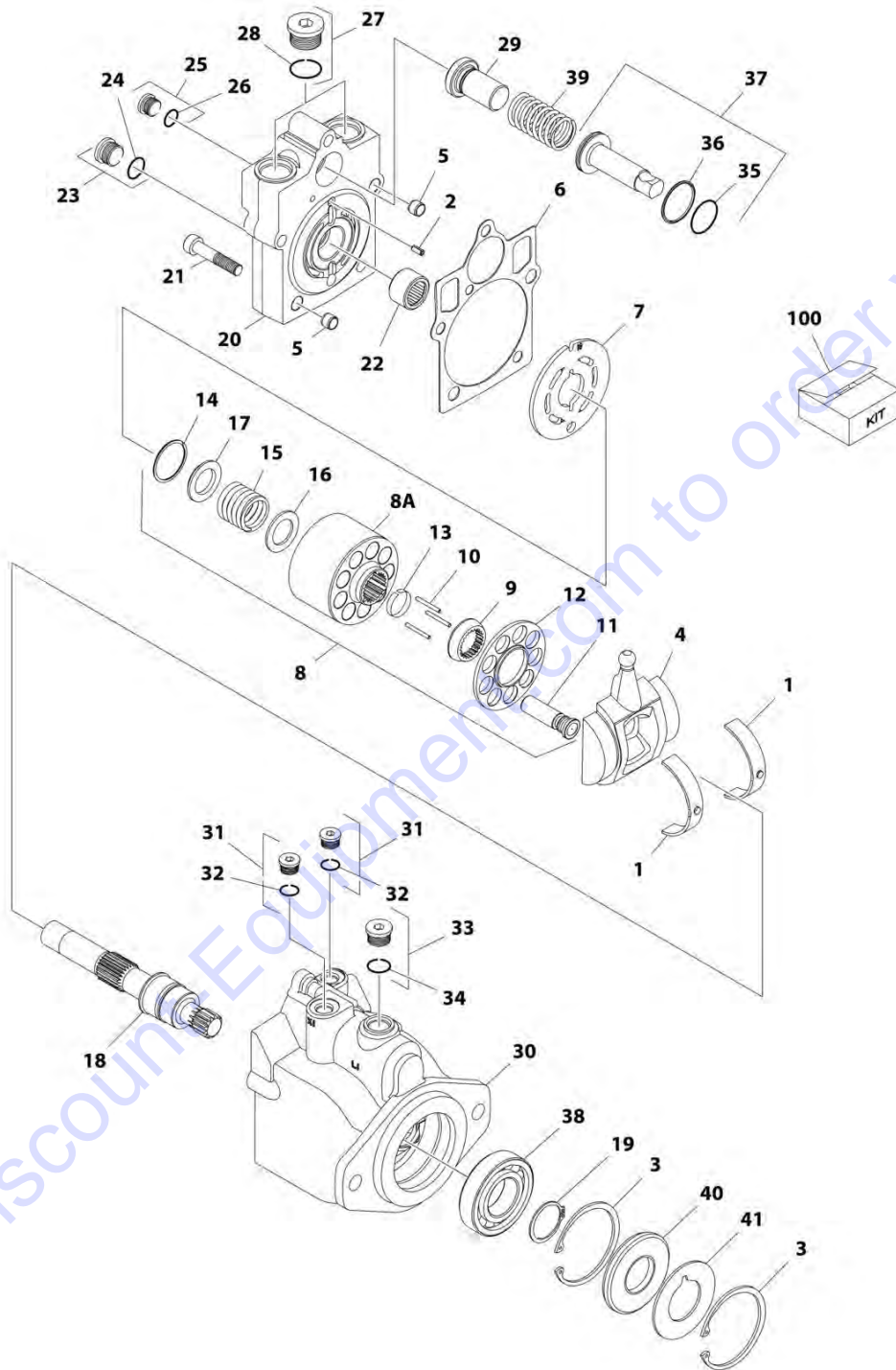
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780267	Ref	DRIVE HUB AND BRAKE ASSEMBLY - REAR	I
1	See Note	1	Spindle/Housing Assembly (Note: Purchase Individual Components)	
1A	7017059	1	Spindle	
1B	7001998	1	Seal	
1C	7010429	1	Cone, Bearing (Includes Item 1D)	
1D	7010429	1	Cup, Bearing (Includes Item 1C)	
1E	7000257	1	Cup, Bearing	
1F	7000258	1	Cone, Bearing	
1G	7007601	1	Housing/Ring Gear	
1H	7000232	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1N	7007640	9	Stud, Wheel	
2	7000246	1	Gear, Internal	
3	7024712	1	Carrier Assembly	
3A	See Note	1	Carrier (Note: Use Item 3)	
3B	See Note	6	Ring, Retaining (Note: Use Item 3)	
3C	See Note	AR	Bearing, Needle (Note: Use Item 3)	
3D	See Note	3	Washer, Thrust (Note: Use Item 3)	
3E	See Note	3	Shaft, Planet (Note: Use Item 3)	
3F	See Note	3	Gear, Planet (Note: Use Item 3)	
3G	See Note	3	Roll Pin (Note: Use Item 3)	
4	7000248	1	Ring Gear	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	70001349	1	Cover Assembly Kit	
6A	See Note	1	Spacer, Thrust (Note: Use Item 6)	
6B	See Note	1	Plate, Cover (Note: Use Item 6)	
6C	See Note	1	O-Ring (Note: Use Item 6)	
6D	See Note	1	Rod, Disconnect (Note: Use Item 6)	
6E	See Note	1	Cap, Disengage (Note: Use Item 6)	
6F	See Note	2	Bolt (Note: Use Item 6)	
6G	See Note	1	Plug, Pipe (Note: Use Item 6)	
6I	See Note	4	Rivet (Note: Not Available for Purchase)	
6J	See Note	1	Plate, ID (Note: Not Available for Purchase)	
7		Ref	Input Shaft Assembly	
7A	7024714	1	Shaft	
7B	7000261	1	Ring, Retaining	
7C	7000262	1	Spring	
7D	7000263	2	Spacer, Thrust	
8	7024713	1	Gear, Sun	
11	7000253	1	Washer, Thrust	
12	7017067	12	Bolt	
13	7017080	4	Pin, Dowel	
14	7000206	1	Coupling	
15	7024715	1	Spacer, Input	
16	7024716	1	Spacer, Input	
17	7024182	1	Brake Assembly (See Items 101-123 for Breakdown)	
27	7024705	1	O-Ring	
28	7024717	2	Rod, Threaded	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	7024718	2	Nut 1/2in-13NC	
	7024182	Ref	BRAKE ASSEMBLY	
101	7024189	1	Shaft	
102	See Note	1	Housing (Note: Use Item 17)	
103	See Note	2	Plate, Friction (Note: Use Item 201B)	
104	See Note	1	Plate, Pressure (Note: Use Item 201B)	
105	7000731	2	Gasket	
106	See Note	2	Plate, Outer (Note: Use Item 201B)	
107	See Note	1	Gasket (Note: Use Item 200A, 201B or 201C)	
108	7024191	1	Cylinder	
109	7024192	1	Piston	
110	See Note	1	Bearing, Ball (Note: Use Item 201C)	
111	See Note	1	Ring, Retaining (Note: Use Item 201C)	
112	See Note	1	Seal, Shaft (Note: Use Item 201C)	
113	See Note	6	Capscrew (Note: Use Item 17)	
114	See Note	6	Lockwasher (Note: Use Item 17)	
115	See Note	1	O-Ring (Note: Use Item 200B)	
116	See Note	1	Ring, Back-up (Note: Use Item 200B)	
117	See Note	1	O-Ring (Note: Use Item 200B)	
118	See Note	1	Ring, Back-up (Note: Use Item 200B)	
119	7024190	2	Pin, Dowel	
120	See Note	1	Plug (Note: Use Item 17)	
121	See Note	2	Plug (Note: Use Item 17)	
122	See Note	12	Spring Kit (Natural) (Note: Use Item 201A)	
123	See Note	2	Spring Kit (Blue) (Note: Use Item 201A)	
		Ref	Kit Options	
200		Ref	Seal Kit Options:	
200A	See Note	1	Hub Seal Kit (Note: Purchase Individual Components)	
200B	7024194	1	Brake Seal Kit (Includes Items 105, 107 & 115-118)	
201		Ref	Repair Kit Options:	
201A	7024196	1	Brake Spring Kit (Includes 12 Natural Colored and 2 Blue Colored Springs Items 122 & 123)	
201B	7024193	1	Brake Friction Disc Kit (Includes Items 103, 104, 106 & 107)	
201C	7024197	1	Brake Bearing Kit (Includes Items 107 & 110-112)	

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FIGURE 1-7. DRIVE MOTOR ASSEMBLY



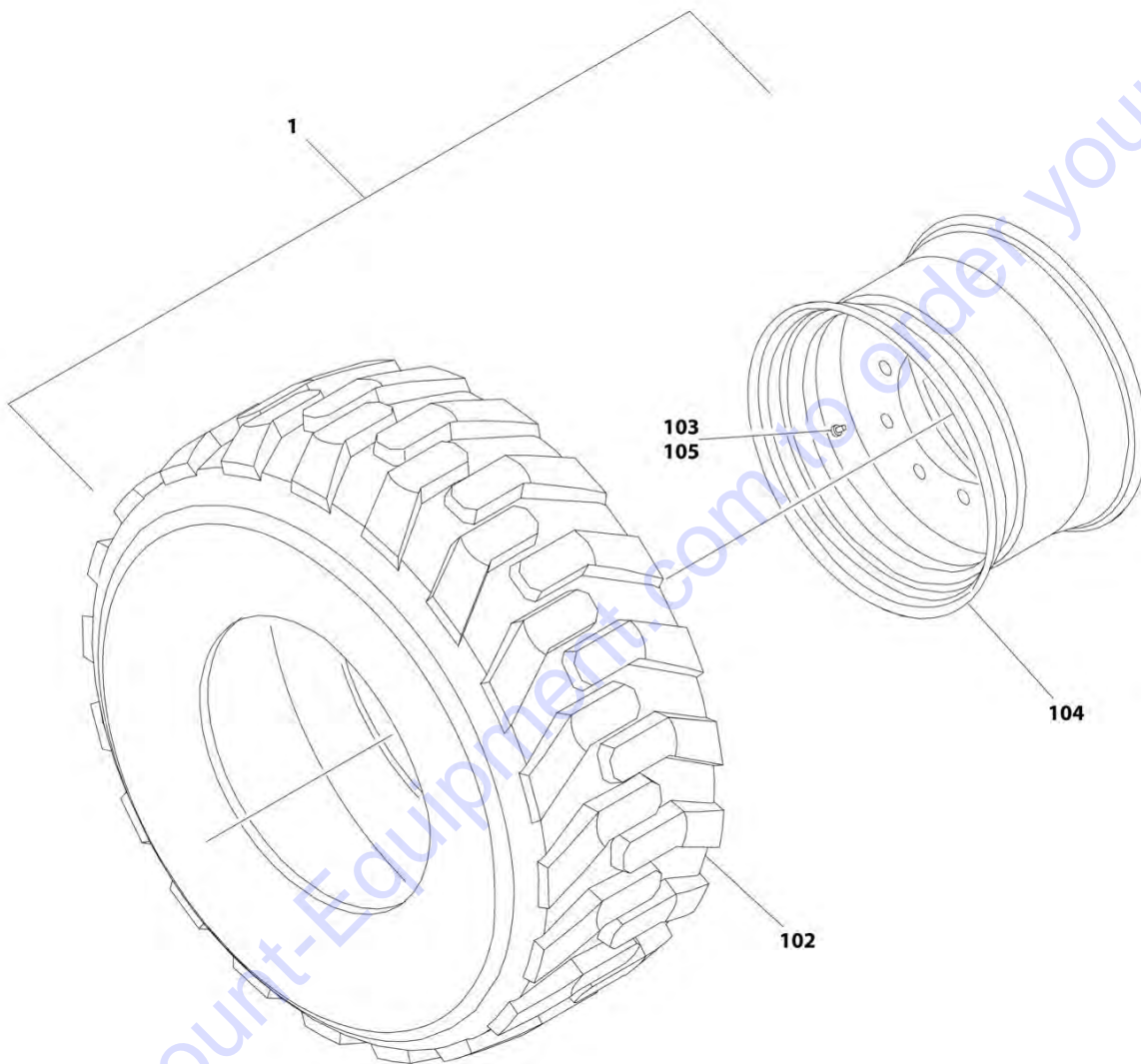
ART_1001102805

FIGURE 1-7. DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102805	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	7022305	1	Swash Plate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	See Note	1	Gasket (Note: Use Item 100)	
7	7024862	1	Plate, Valve	
8	7023907	1	Cylinder Block Kit (Includes Items 8A & 9-17)	
8A	See Note	1	Block, Cylinder (Note: Use Item 8)	
9	7021277	1	Guide, Slipper Retainer	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	9	Piston Assembly (Note: Use Item 8)	
12	7021276	1	Retainer, Hold Down Pin	
13	7022310	1	Retainer, Slipper	
14	7022311	1	Ring, Retaining	
15	7022312	1	Spring	
16	7024868	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000797	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	1	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	1	O-Ring (Note: Use Item 25 or 100)	
27	7027419	2	Plug (Includes Item 28)	
28	See Note	2	O-Ring (Note: Use Item 27 or 100)	
29	7022369	1	Seat, Spring	
30	70001932	1	Housing	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	2	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	1	O-Ring (Note: Use Item 33 or 100)	
35	See Note	1	O-Ring (Note: Use Item 37 or 100)	
36	See Note	1	Ring, Seal (Note: Use Item 37 or 100)	
37	7024854	1	Piston, Servo (Includes Items 35 & 36)	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	1	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

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FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED



ART_0270092

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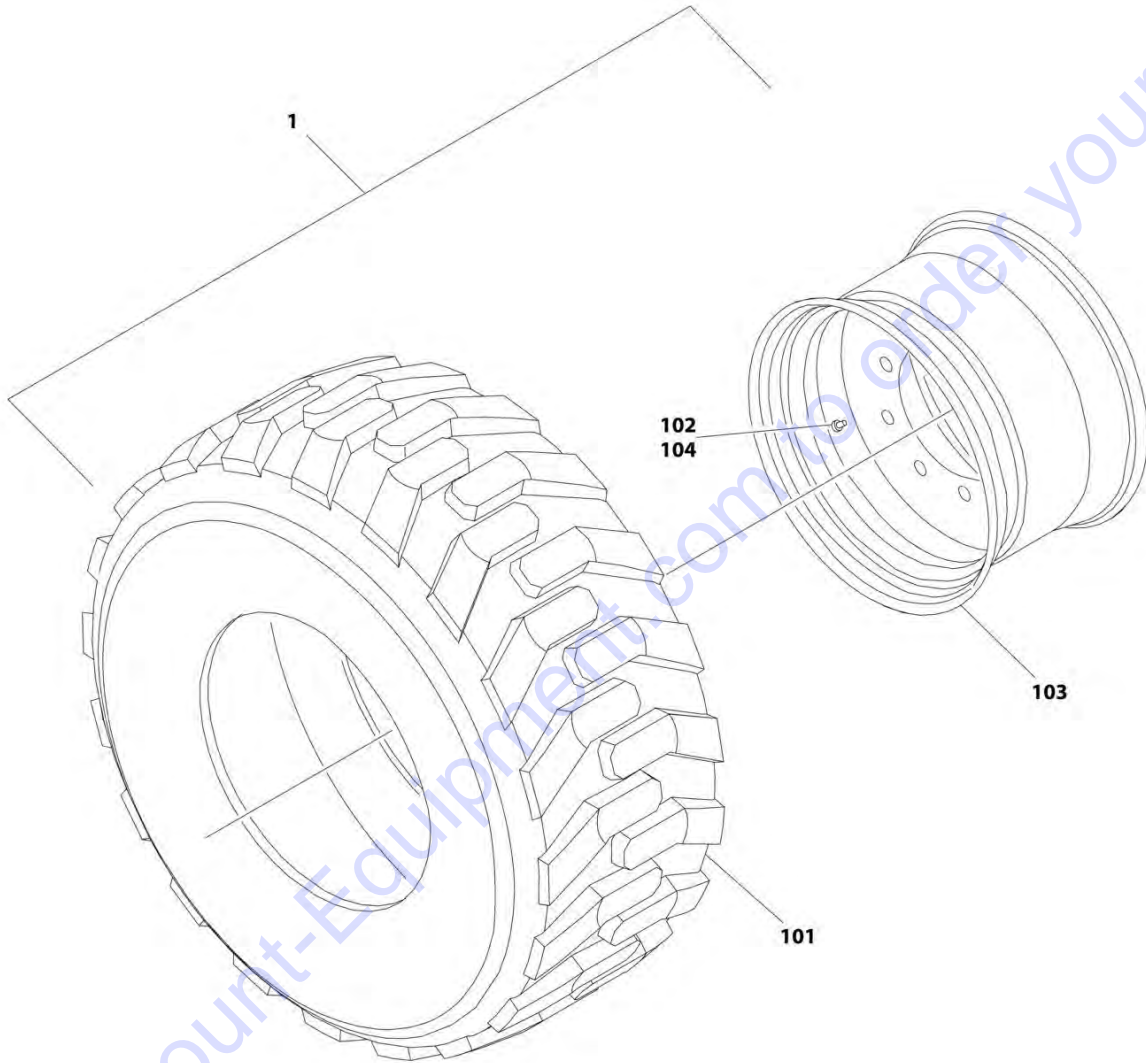
FIGURE 1-8. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270092	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	C
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148865	2	Tire and Wheel Assembly - 12 x 16.5 (RH Side)	G
1	1001148866	2	Tire and Wheel Assembly - 12 x 16.5 (LH Side)	G
102	4520216	4	Tire - 12 x 16.5	
103	4641122	4	Valve	
104	1001147274	4	Rim, Wheel	
105	1001149953	4	Cap, Valve Stem	

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FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED NON-MARKING



ART_0270653

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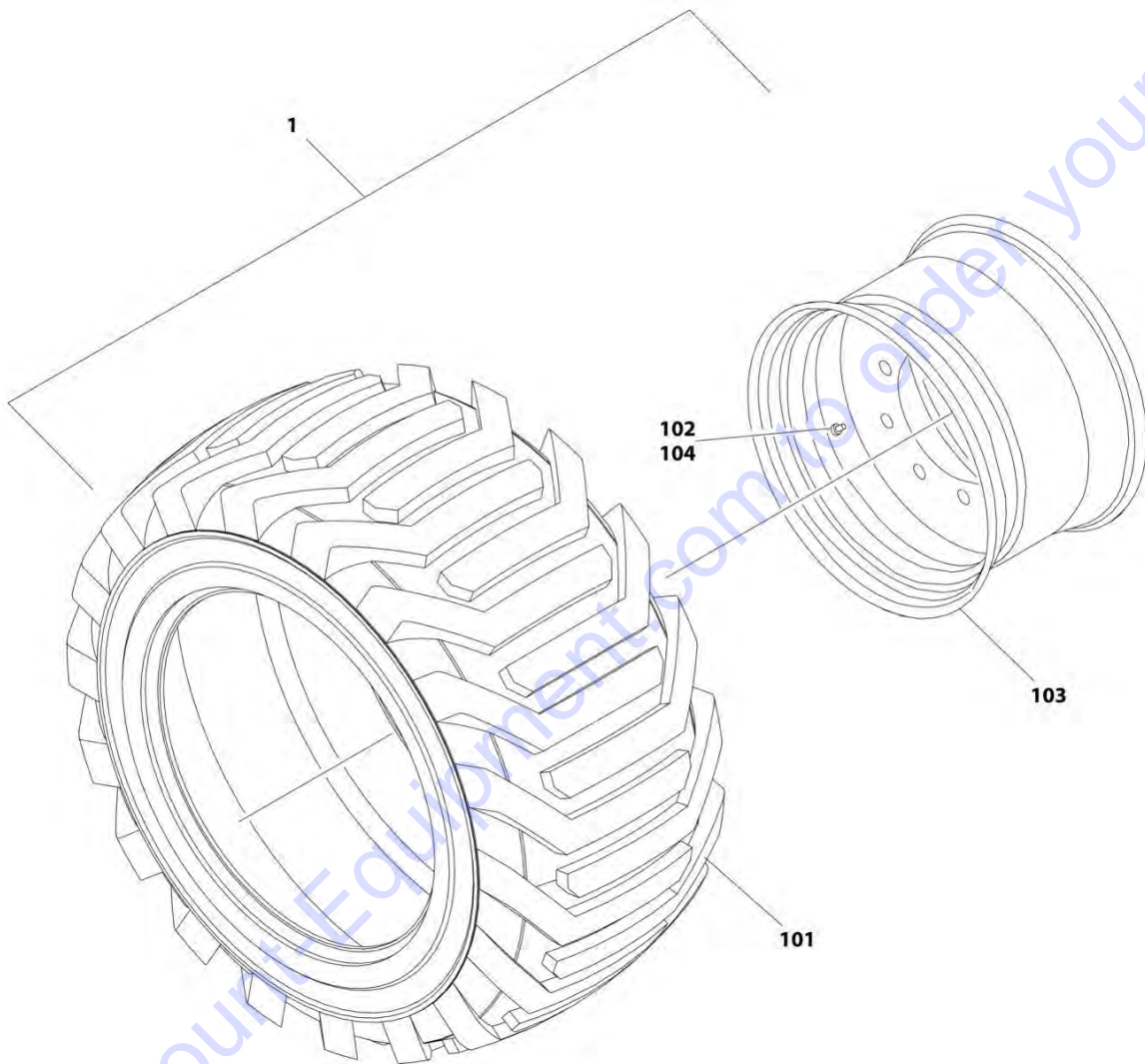
FIGURE 1-9. TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270653	Ref	TIRE AND WHEEL INSTALLATION - 12 X 16.5 FOAM FILLED	B
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001148869	2	Tire and Wheel Assembly - 12 x 16.5 Non-Marking (RH Side)	H
1	1001148870	2	Tire and Wheel Assembly - 12 x 16.5 Non-Marking (LH Side)	H
101	4520240	4	Tire 12 x 16.5 Non-Marking	
102	4641122	4	Valve	
103	1001147274	4	Rim, Wheel	
104	1001149953	4	Cap, Valve Stem	

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FIGURE 1-10. TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED



ART_1001179171

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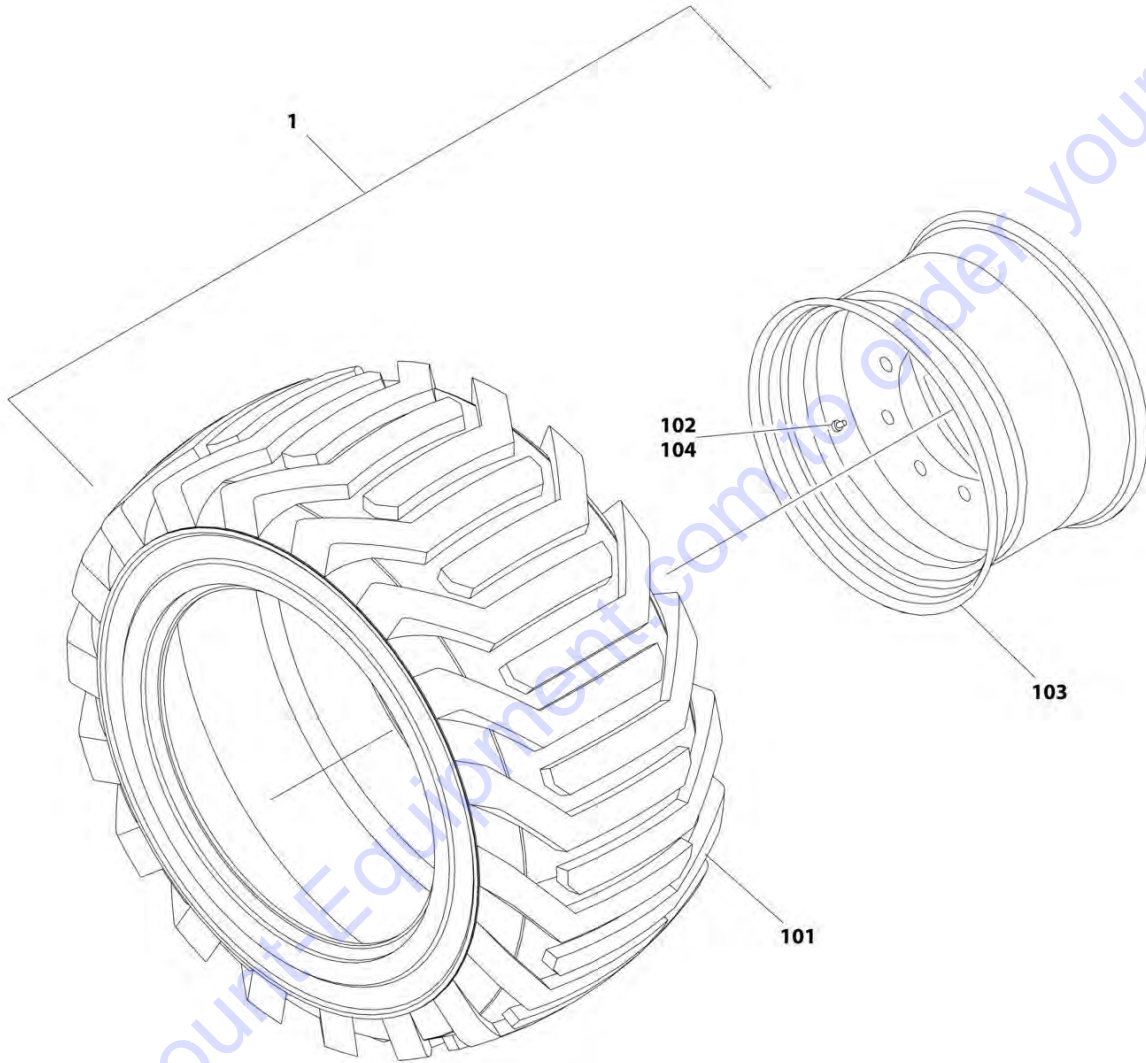
FIGURE 1-10. TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179171	Ref	TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED (AVAILABLE ON ALL SPECS)	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001179173	2	Tire and Wheel Assembly - IN395/45/D20 Non-Marking (RH Side)	B
1	1001179172	2	Tire and Wheel Assembly - IN395/45/D20 Non-Marking (LH Side)	B
101	1001179175	4	Tire IN395/45/D20	
102	4641122	4	Valve	
103	1001179174	4	Rim, Wheel	
104	1001149953	4	Cap, Valve Stem	

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FIGURE 1-11. TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED NON-MARKING



ART_1001179956

SECTION 1 - FRAME

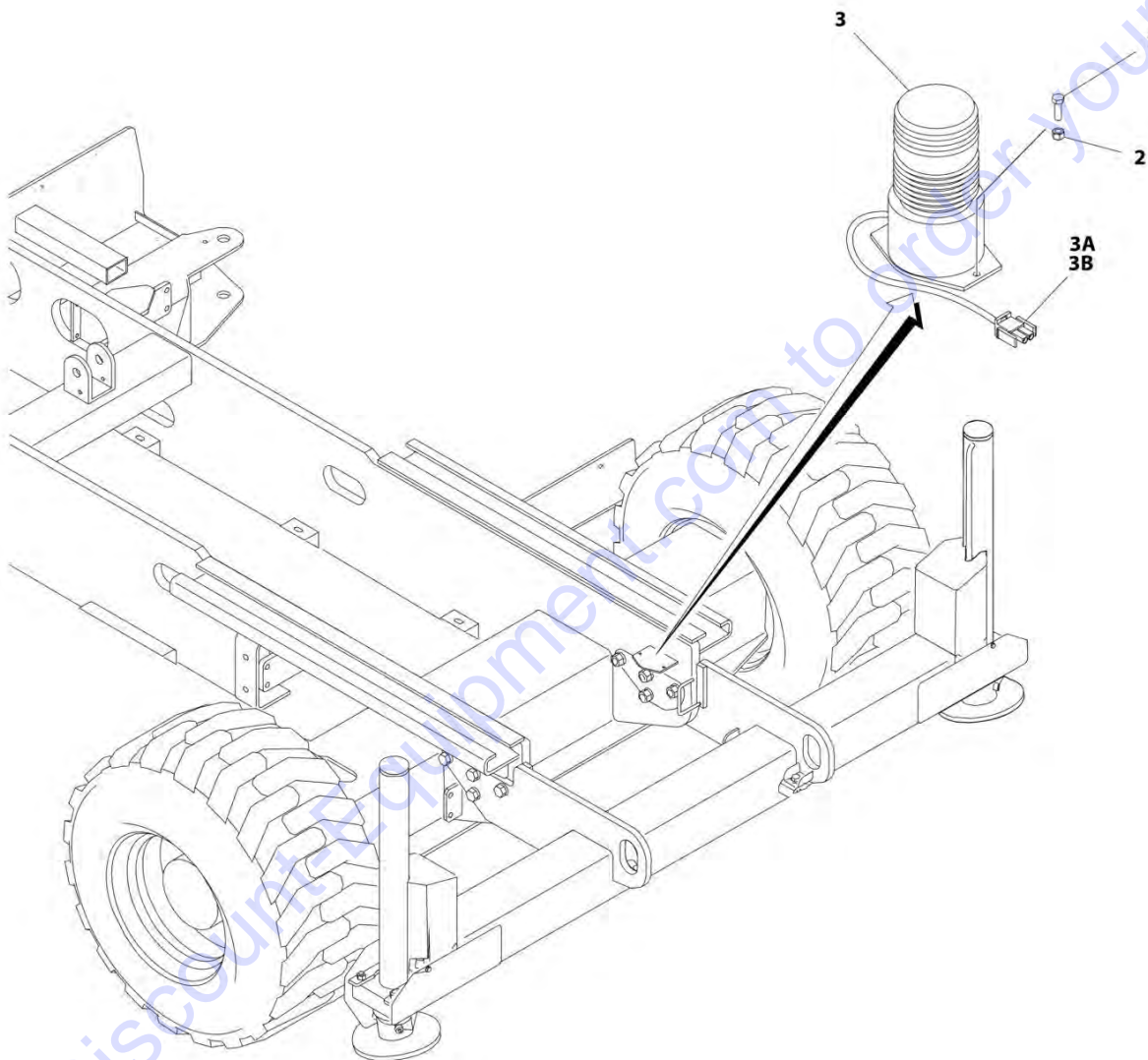
FIGURE 1-11. TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED NON-MARKING

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179956	Ref	TIRE AND WHEEL INSTALLATION - IN395/45/D20 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS)	A
		Ref	Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001179958	2	Tire and Wheel Assembly - IN395/45/D20 Non-Marking (RH Side)	B
1	1001179957	2	Tire and Wheel Assembly - IN395/45/D20 Non-Marking (LH Side)	B
101	1001179959	4	Tire IN395/45/D20 Non-Marking	
102	4641122	4	Valve	
103	1001179174	4	Rim, Wheel	
104	1001149953	4	Cap, Valve Stem	

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FIGURE 1-12. BEACON LIGHT INSTALLATION - OPTIONAL



ART_1001205340

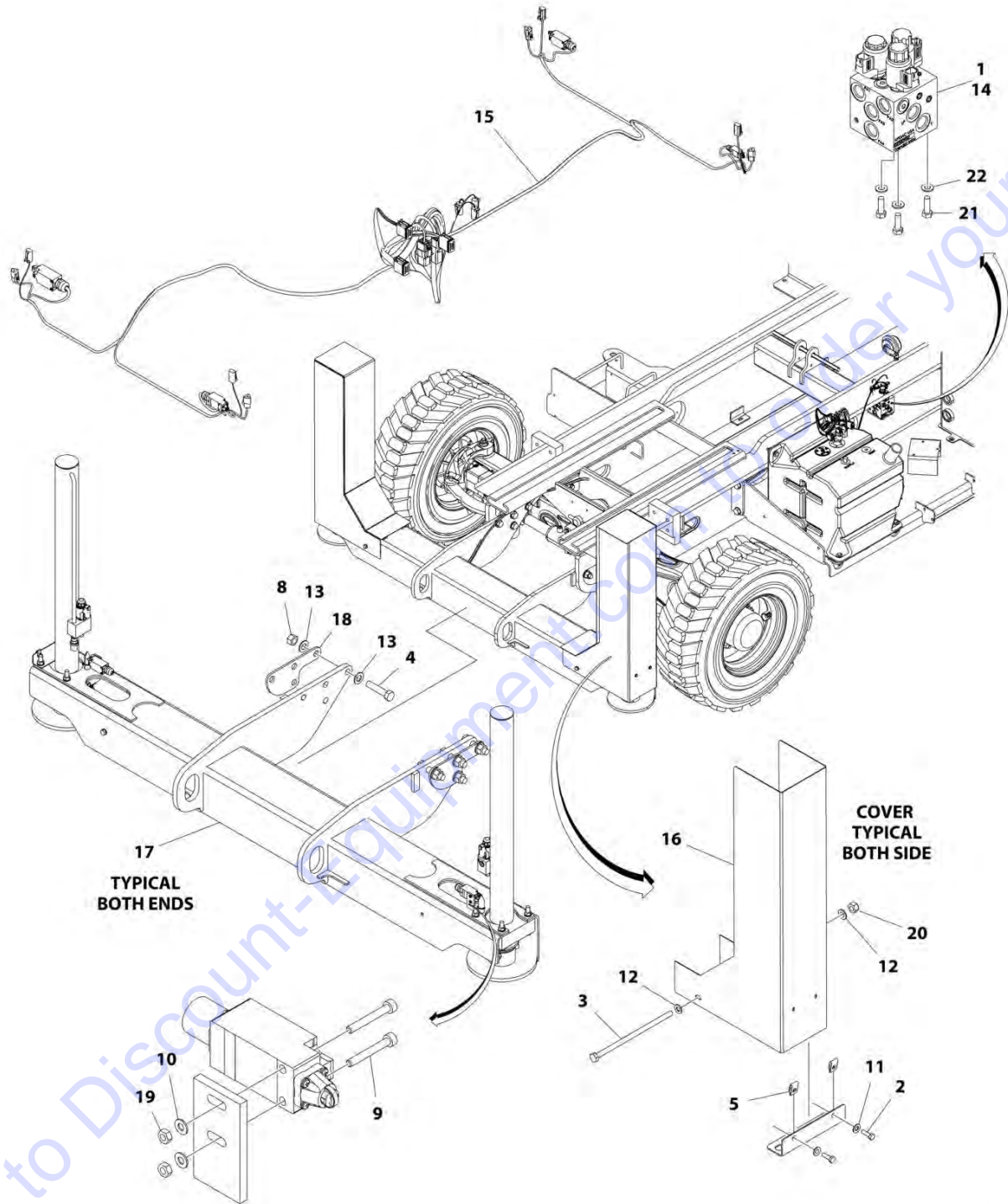
FIGURE 1-12. BEACON LIGHT INSTALLATION - OPTIONAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205340	Ref	BEACON LIGHT INSTALLATION - OPTIONAL	A
1	0760508	2	Bolt, M5 X 16	
2	3290505	2	Nut, Lock M5 X 0.8	
3	1001205343	1	Beacon Light Assembly	
3	2920146	1	Beacon Light (Amber)	
3	7016319	1	Bulb, Replacement	
3	7016372	1	Len, Replacement	
3A	4460320	1	Plug, Male - 2 Position	
3B	4460267	2	Terminal	

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FIGURE 1-13. LEVELING JACKS INSTALLATION



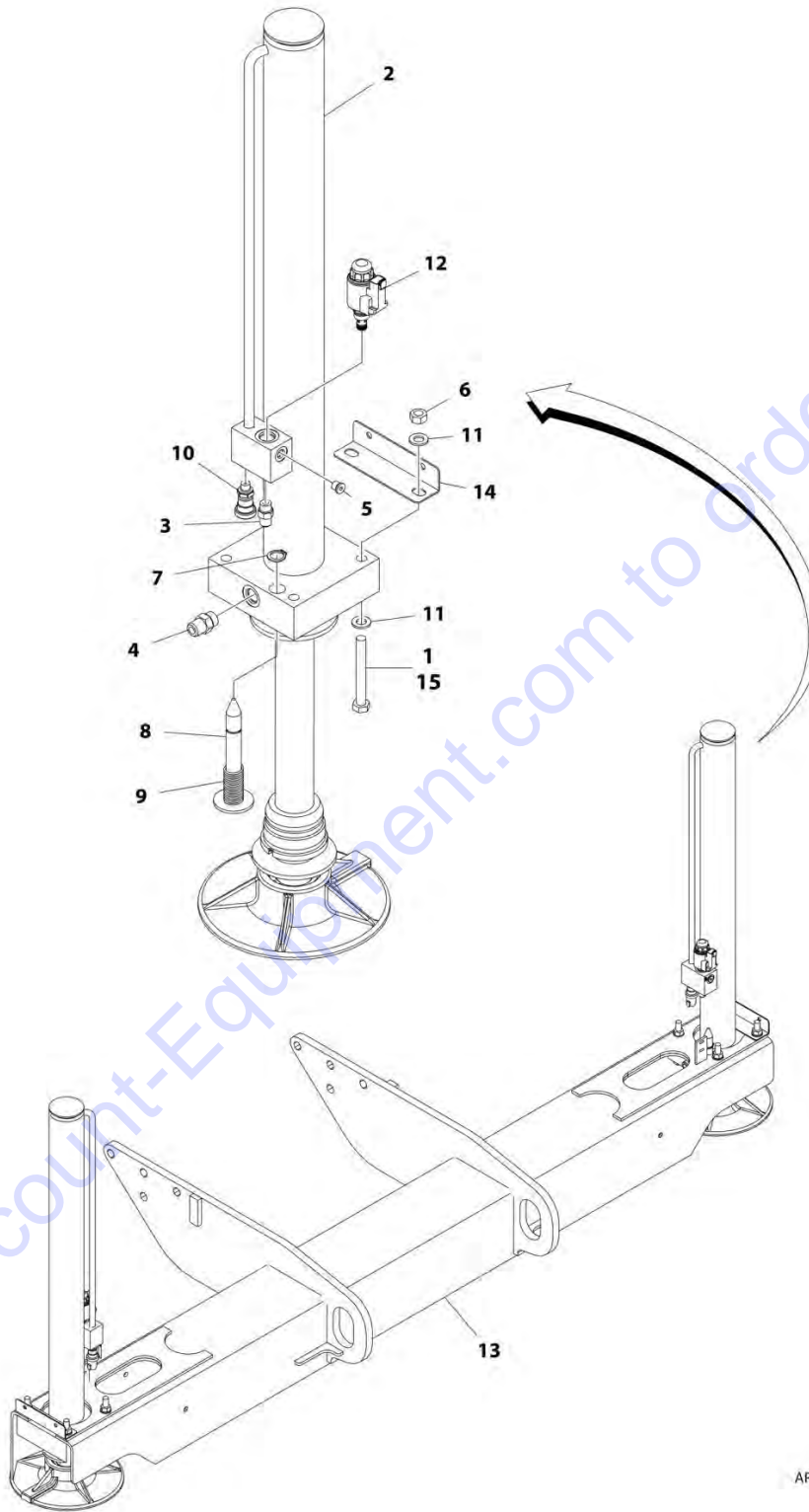
ART_1001178866

FIGURE 1-13. LEVELING JACKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178866	Ref	LEVELING JACKS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0700610	8	Bolt M6 x 20	
3	0701039	4	Bolt M10 x 220	
4	0712026	16	Bolt M20 x 90	
5	1001130220	8	Nut, Tinnerman M6	
8	3332017	16	Nut M20	
9	4031510	8	Capscrew M4 x 30	
10	4811400	8	Washer M4	
11	4811900	AR	Washer M8	
11	4811702	AR	Washer M6	
12	4812000	8	Washer M10	
13	5242000	32	Washer M20	
14	1001217108	1	Leveling Jack Valve Assembly (See Separate Breakdown in this Section)	
15	1001103801	1	Leveling Jack Harness (See Separate Breakdown in ELECTRICAL SECTION)	
16	1001179200	4	Cover	
17	1001182971	2	Leveling Jack Assembly (See Separate Breakdown in this Section)	
18	1001183328	4	Plate	
19	3290401	8	Nut M4	
20	3291005	4	Nut M10	
21	0641508	3	Bolt 5/16 x 1	
22	4711500	3	Washer 5/16	

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FIGURE 1-14. LEVELING JACKS ASSEMBLY



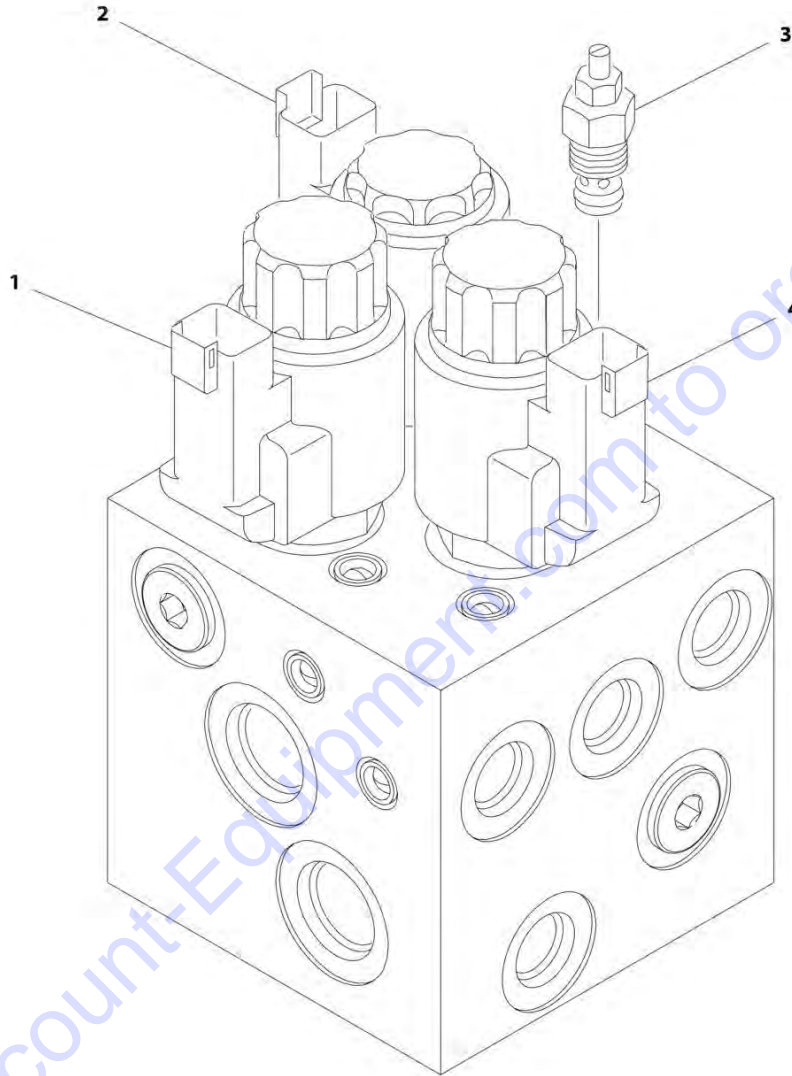
ART_1001182971

FIGURE 1-14. LEVELING JACKS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182971	Ref	LEVELING JACKS ASSEMBLY	E
1	0761227	8	Bolt M12 x 100	
2	1684406	2	Jack Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION) (SN E200000676 through E200000705)	
2	1001231261	2	Jack Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION) (SN E200000706 to Present)	
3	2220371	2	Fitting, Straight JIC/ORB	
4	2220373	2	Fitting, Straight JIC/ORB	
5	2220883	2	Plug	
6	3331211	8	Nut M12	
7	3760348	2	Ring, Retaining	
8	3841564	2	Rod	
9	4160116	2	Spring	
10	4360518	2	Transducer, Pressure	
11	4812100	16	Washer M12	
12	1001103761	2	Cartridge, Solenoid Valve	
12	7024502	2	Seal Kit - 1001103761 Valve (1 Per Cartridge)	
12	70001965	2	Coil (1 Per Cartridge)	
12	7024506	2	Coil Nut Kit (1 Per Cartridge)	
13	1001179911	1	Frame, Jack	
14	1001191325	2	Bracket	
15	0100011	AR	Compound, Locking	

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FIGURE 1-15. LEVELING JACKS VALVE ASSEMBLY



ART_1001217108

FIGURE 1-15. LEVELING JACKS VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217108	Ref	LEVELING JACKS VALVE ASSEMBLY	B
1	7024497	1	Cartridge without Coil (Retract)	
1	7024502	1	Seal Kit - 7024497 Cartridge	
1	70001965	1	Coil	
1	7024506	1	Coil Nut Kit	
2	7024498	1	Cartridge without Coil (Extend)	
2	7024503	1	Seal Kit - 7024498 Cartridge	
2	70001965	1	Coil	
2	7024507	1	Coil Nut Kit	
3	70006292	1	Cartridge (Thermal Relief)	
3	7024504	1	Seal Kit - 70006292 Cartridge	
4	7024500	1	Cartridge without Coil	
4	7024505	1	Seal Kit - 7024500 Cartridge	
4	70001965	1	Coil	
4	7024506	1	Coil Nut Kit	

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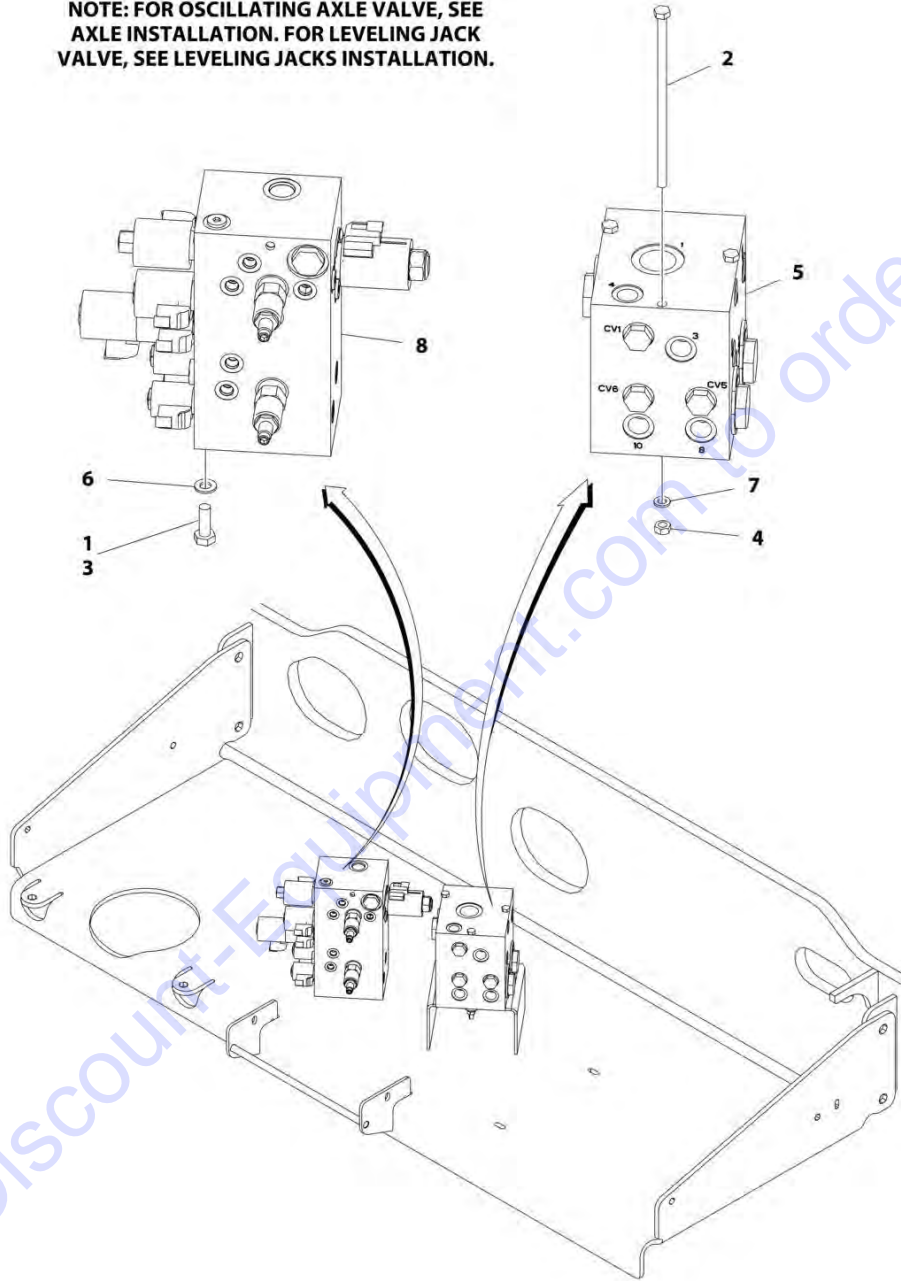
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SECTION 2 - GROUND CONTROLS

FIGURE 2-1. VALVE INSTALLATION

NOTE: FOR OSCILLATING AXLE VALVE, SEE AXLE INSTALLATION. FOR LEVELING JACK VALVE, SEE LEVELING JACKS INSTALLATION.



ART_1001178489

SECTION 2 - GROUND CONTROLS

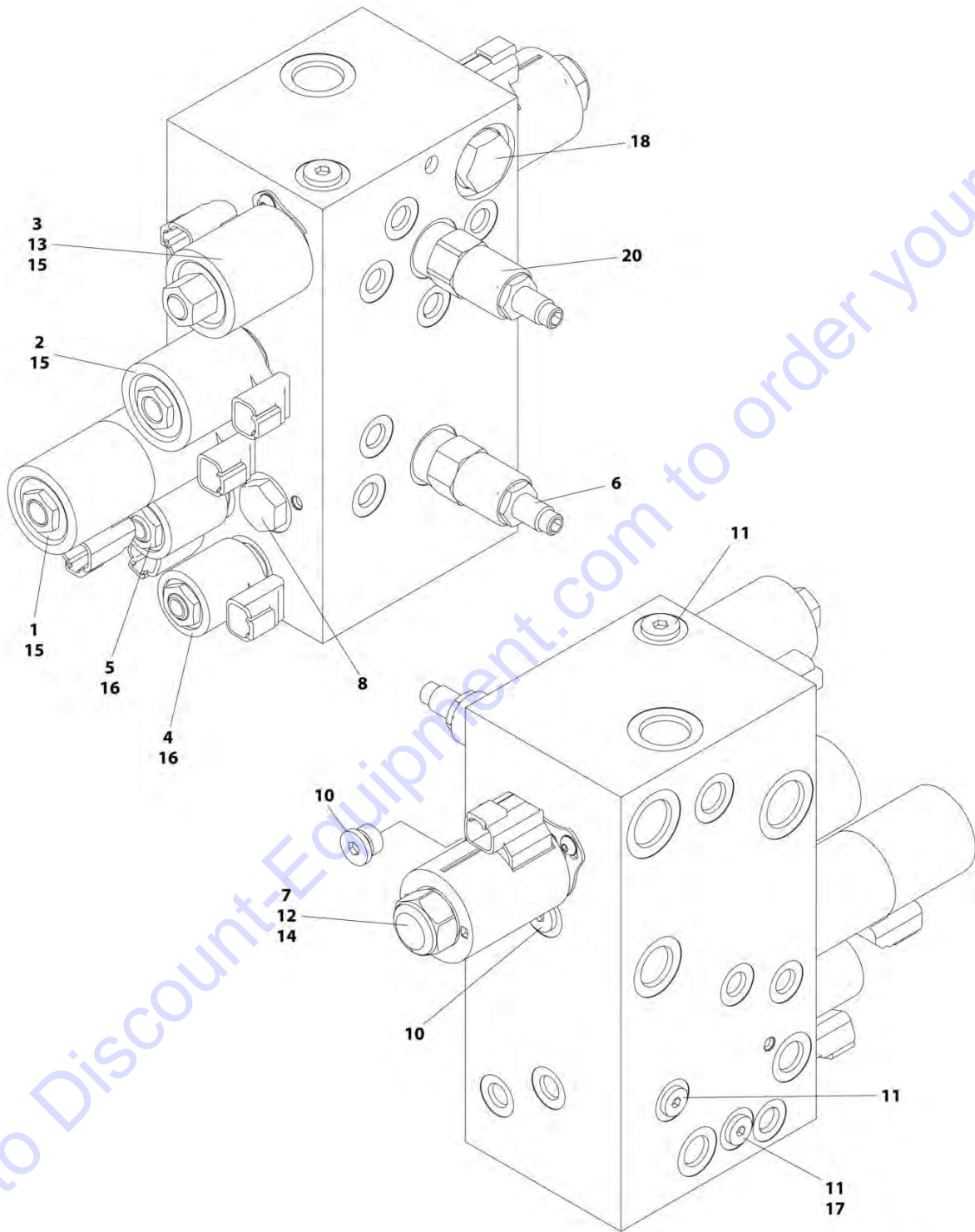
FIGURE 2-1. VALVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178489	Ref	VALVE INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0700836	3	Bolt M8 x 190	
3	0771014	4	Bolt M10 x 30	
4	3290801	3	Nut M8	
5	4641303	1	Flow Divider Valve Assembly (See Separate Breakdown in this Section)	
6	4812000	4	Washer M10	
7	4831900	3	Washer M8	
8	1001234828	1	Main Valve Assembly (See Separate Breakdown in this Section)	

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SECTION 2 - GROUND CONTROLS

FIGURE 2-2. MAIN VALVE ASSEMBLY



ART_1001234828

SECTION 2 - GROUND CONTROLS

FIGURE 2-2. MAIN VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234828	Ref	MAIN VALVE ASSEMBLY	C
1	70005449	1	Cartridge, Solenoid Less Coil (Steer)	
1	70005073	1	Seal Kit - 70005449 Valve	
1	70003024	1	Spacer, Coil	
1	7022390	1	Nut, Coil	
2	70005448	1	Cartridge, Solenoid Less Coil (Lift Up)	
2	70004580	1	Seal Kit - 70005448 Valve	
2	7022390	1	Nut, Coil	
3	70005069	1	Cartridge, Solenoid Less Coil (Main Dump)	
3	7022399	1	Seal Kit - 70005069 Valve	
3	70003977	1	Nut, Coil	
4	70005167	1	Cartridge, Solenoid Less Coil	
4	7023900	1	Seal Kit - 70005167 Valve	
4	7022390	1	Nut, Coil	
5	70005167	1	Cartridge, Solenoid Less Coil	
5	7023900	1	Seal Kit - 70005167 Valve	
5	7022390	1	Nut, Coil	
6	70005452	1	Cartridge, Relief Valve (SN E200000676 through E200000705)	
6	70007036	1	Cartridge, Relief Valve (SN E200000706 to Present)	
6	7023936	1	Seal Kit - 70005452 & 70007036 Valve	
7	70006786	1	Cartridge, Solenoid Less Coil	
7	7012925	1	Seal Kit - 70006786 Valve	
8	7022398	1	Cartridge, Valve (Load Shuttle)	
8	7023900	1	Seal Kit - 7022398 Valve	
10	2220885	3	Plug	
11	2220883	2	Plug	
12	70005725	1	Lock Down Kit	
13	70005724	1	Lock Down Kit	
14	70003789	1	Coil	
15	70001967	4	Coil	
16	70001977	2	Coil	
17	70004883	1	Orifice	
18	70005100	1	Cartridge, Check Valve	
18	7022399	1	Seal Kit - 70005100 Valve	
20	70005165	1	Cartridge, Relief Valve	
20	7022399	1	Seal Kit - 70005165 Valve	

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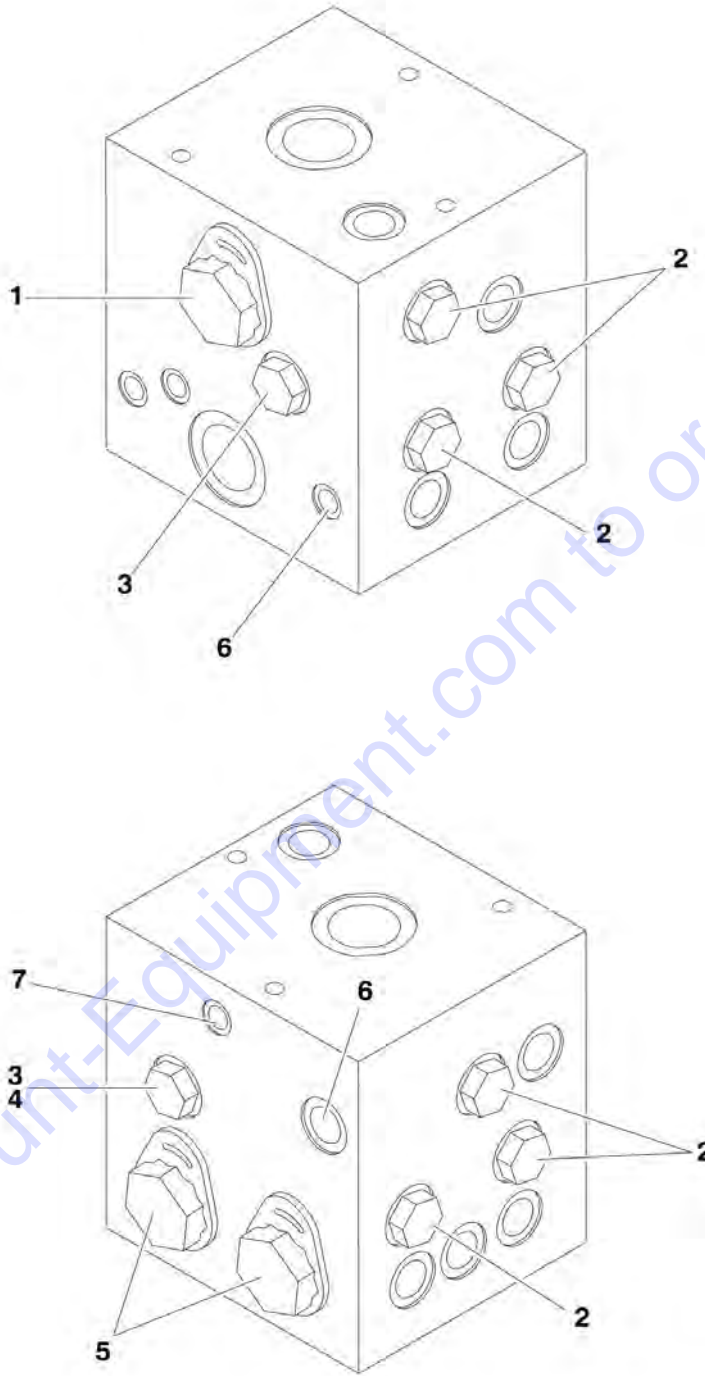
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SECTION 2 - GROUND CONTROLS

FIGURE 2-3. FLOW DIVIDER VALVE ASSEMBLY



ART. 4641303

SECTION 2 - GROUND CONTROLS

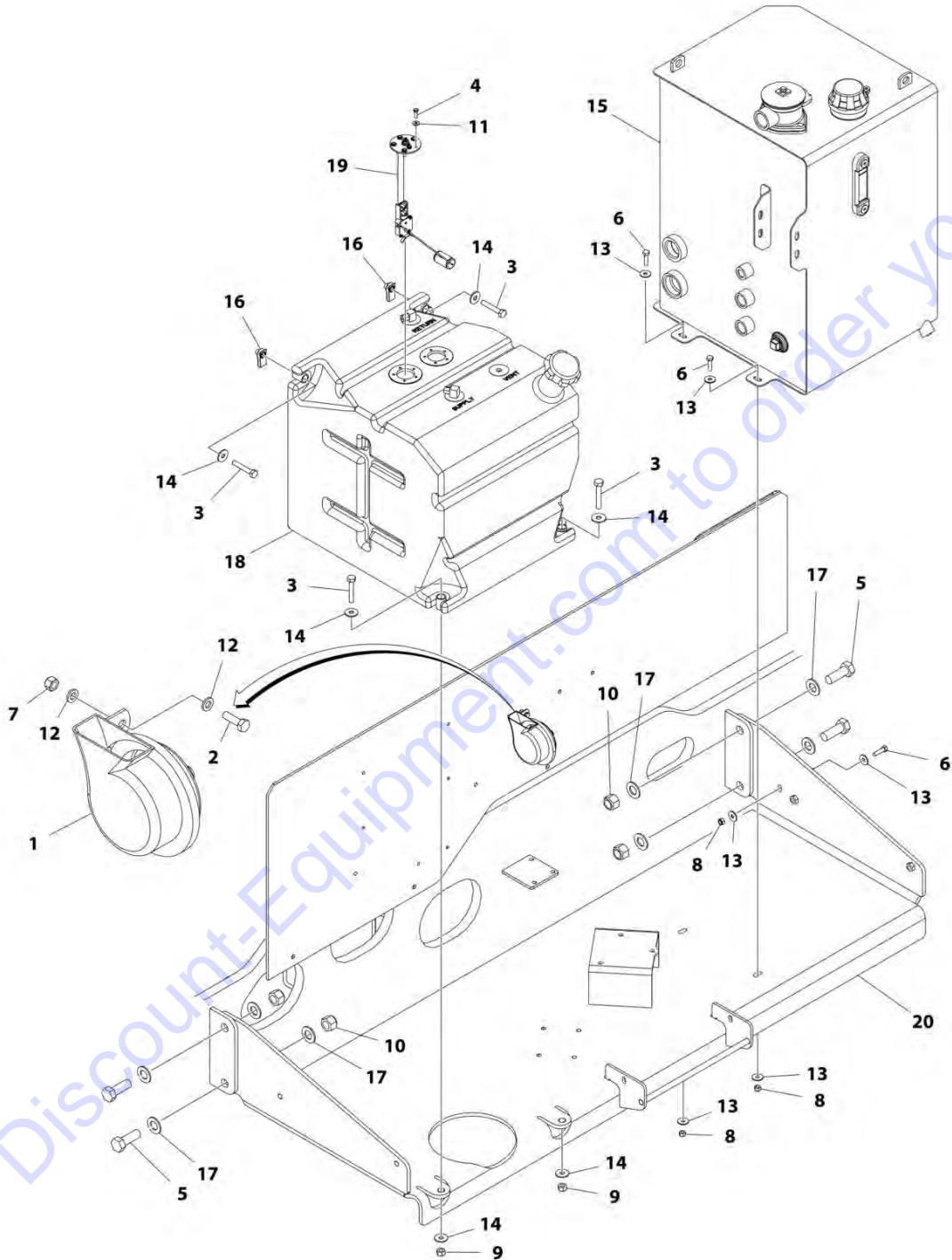
FIGURE 2-3. FLOW DIVIDER VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641303	Ref	FLOW DIVIDER VALVE ASSEMBLY	C
1	7023933	1	Cartridge, Flow Divider	
1	7021625	1	Seal Kit - 7023933 Cartridge	
2	7022397	6	Cartridge, Check	
2	7022399	6	Seal Kit - 7022397 Cartridge	
3	7021639	2	Cartridge, Check Valves	
3	2900756	2	Seal Kit - 7022398 Cartridge	
4	7024881	1	Piston, Pilot	
5	7023917	2	Cartridge, Flow Divider	
5	7021625	2	Seal Kit - 7023917 Cartridge	
6	70003935	2	Orifice	
7	70003936	1	Orifice	

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SECTION 2 - GROUND CONTROLS

FIGURE 2-4. TANKS & HORN INSTALLATION - DIESEL



ART_1001177751

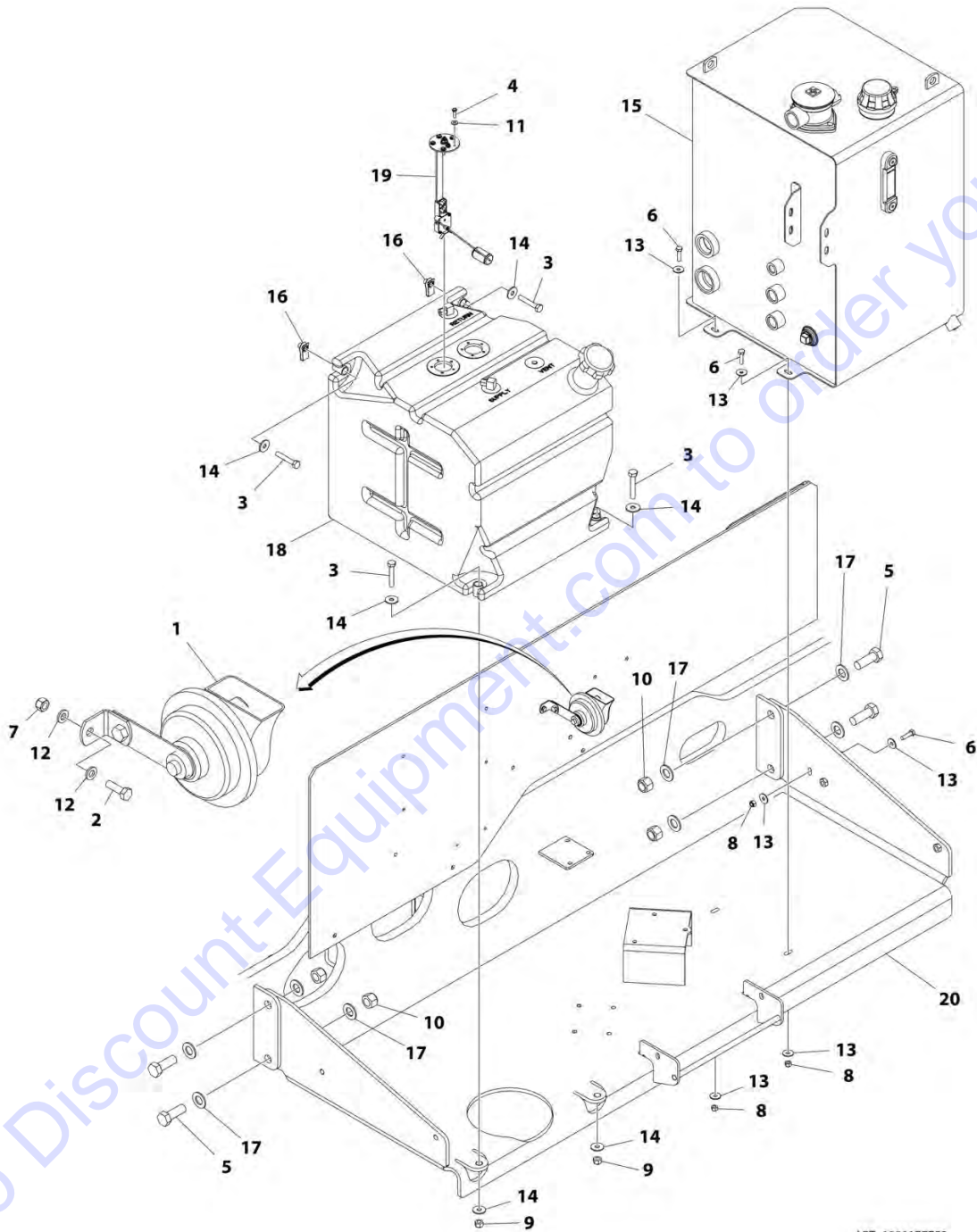
SECTION 2 - GROUND CONTROLS

FIGURE 2-4. TANKS & HORN INSTALLATION - DIESEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177751	Ref	TANKS AND HORN INSTALLATION - DIESEL	E
1	0140001	1	Horn	
2	0700610	1	Bolt M6 x 20	
3	0701020	4	Bolt M10 x 60	
4	0731005	5	Screw, #10 x 5/8	
5	0762019	4	Bolt M20 x 55	
6	0760814	3	Bolt M8 x 30	
7	3290605	1	Nut M6	
8	3290805	3	Nut M8	
9	3291005	2	Nut M10	
10	3292005	4	Nut M20	
11	4751000	5	Washer #10	
12	4811700	2	Washer M6	
13	4811902	6	Washer M8	
14	4812002	6	Washer M10	
15	1001102823	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
16	1001118972	2	Nut Tinnerman M10	
17	5242000	8	Washer M20	
18	1001163418	1	Fuel Tank Assembly	
18	1001193336	1	Cap, Fuel	
18	70004794	1	Tube, Pick-up	
19	1001231195	1	Sensor, Fuel Level	
20	1001181554	1	Tray	

SECTION 2 - GROUND CONTROLS

FIGURE 2-5. TANKS AND HORN INSTALLATION - GASOLINE



ART_1001177752

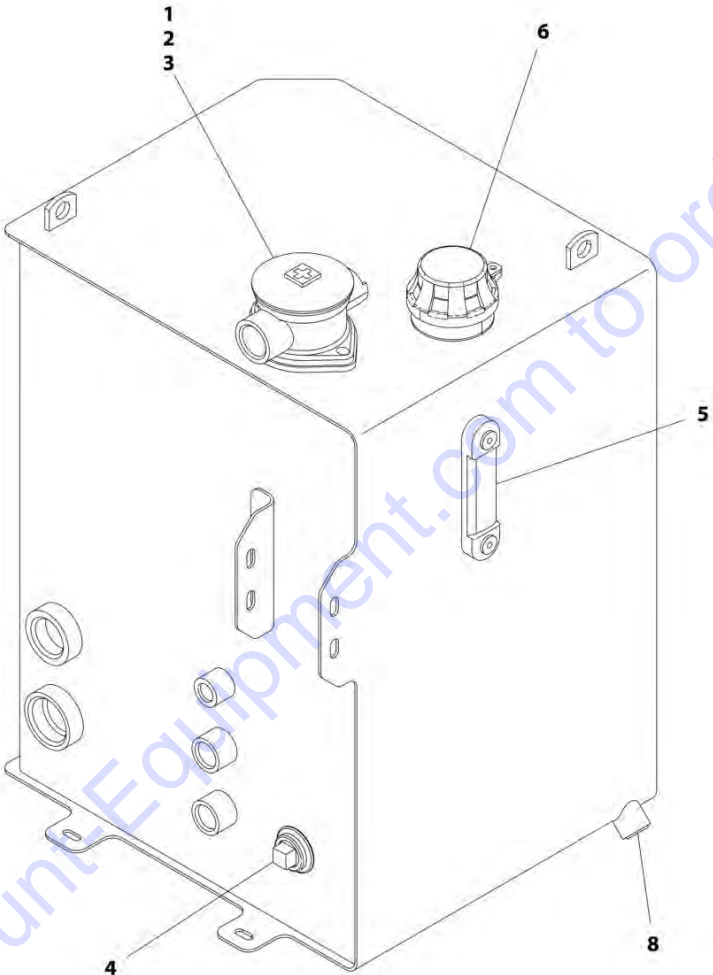
SECTION 2 - GROUND CONTROLS

FIGURE 2-5. TANKS AND HORN INSTALLATION - GASOLINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177752	Ref	TANKS AND HORN INSTALLATION - GASOLINE	E
1	0140001	1	Horn	
2	0700610	1	Bolt M6 x 20	
3	0701020	4	Bolt M10 x 60	
4	0731005	5	Screw, #10 x 5/8	
5	0762019	4	Bolt M20 x 55	
6	0760814	3	Bolt M8 x 30	
7	3290605	1	Nut M6	
8	3290805	3	Nut M8	
9	3291005	2	Nut M10	
10	3292005	4	Nut M20	
11	4751000	5	Washer #10	
12	4811700	2	Washer M6	
13	4811902	6	Washer M8	
14	4812002	6	Washer M10	
15	1001102823	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
16	1001118972	2	Nut Tinnerman M10	
17	5242000	8	Washer M20	
18	1001206896	1	Fuel Tank Assembly	
18	1001211336	1	Cap, Fuel	
18	70004794	1	Tube, Pick-up	
19	1001231195	1	Sensor, Fuel Level	
20	1001181554	1	Tray	

SECTION 2 - GROUND CONTROLS

FIGURE 2-6. HYDRAULIC TANK ASSEMBLY



ART_1001102823

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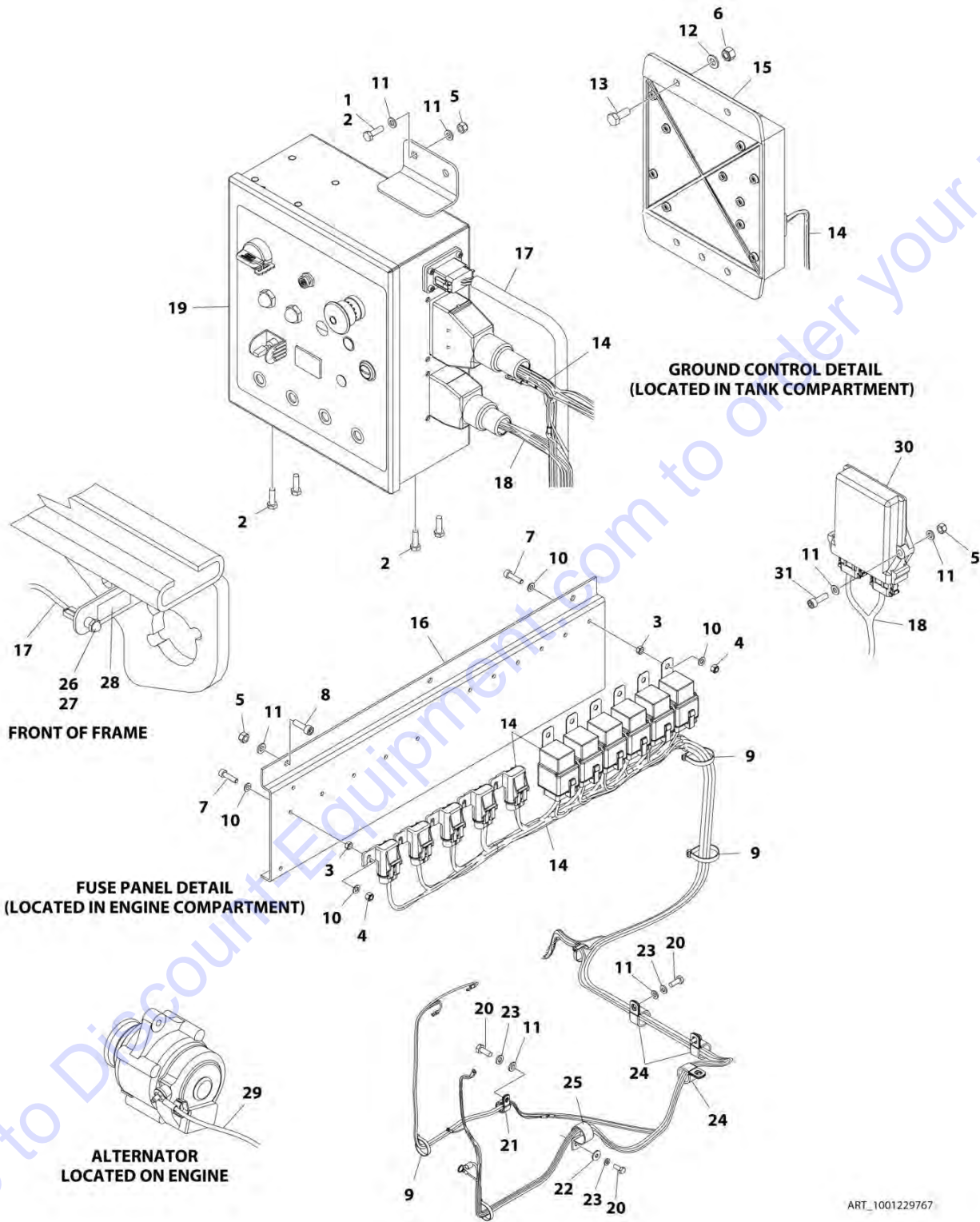
FIGURE 2-6. HYDRAULIC TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001102823	Ref	HYDRAULIC TANK ASSEMBLY	C
1	70001959	1	Filter, Return	
1	70001960	1	Element, Filter	
1	70002768	1	Spring, Return Filter Assembly	
2	7023306	1	Seal Between Filter Cover and Head	
3	7023347	1	Gasket Between Tank and Filter Flange	
4	7024446	1	Plug, Magnetic 1in NPT	
5	7024441	1	Gauge, Fluid Level	
6	70002113	1	Breather/Fill Cap	
7	See Note	2	Strainer (Note: Not a serviceable Item per Vendor) (Not Shown)	
8	70002112	1	Plug, Magnetic	

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SECTION 2 - GROUND CONTROLS

FIGURE 2-7. ELECTRICAL COMPONENTS INSTALLATION - DIESEL



ART_1001229767

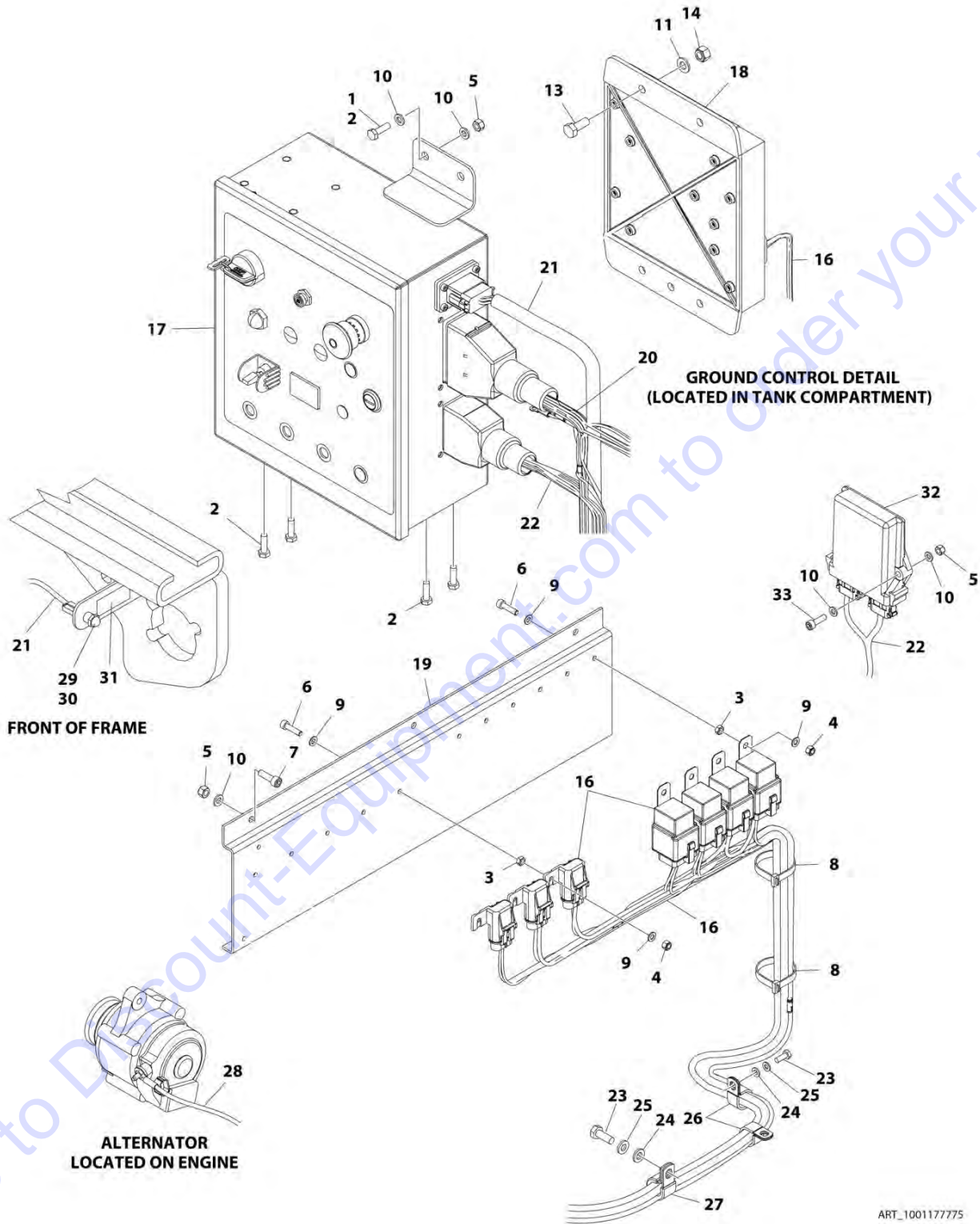
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FIGURE 2-7. ELECTRICAL COMPONENTS INSTALLATION - DIESEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229767	Ref	ELECTRICAL COMPONENTS INSTALLATION - DIESEL	F
1	0100011	AR	Compound, Locking	
2	0760610	6	Bolt M6 x 20	
3	3290501	11	Nut M5	
4	3290505	11	Nut M5	
5	3290605	7	Nut M6	
6	3290805	4	Nut M8	
7	4031608	11	Bolt M5 x 20	
8	4031708	3	Bolt M6 x 20	
9	4240018	17	Tie-Strap	
10	4811600	22	Washer M5	
11	4811700	14	Washer M6	
12	4811900	4	Washer M8	
13	0760810001	4	Capscrew M8 x 20	
14	1001244348	1	Engine Harness - Diesel (See Separate Breakdown in ELECTRICAL SECTION)	
15	1001182481	1	Module, Control (Note: Re-calibration Required when Replaced)	
16	1001185125	1	Plate, Mounting	
17	1001222025	1	Hydraulic Compartment Harness (See Separate Breakdown in ELECTRICAL SECTION)	
18	1001236270	1	Chassis Harness (See Separate Breakdown in ELECTRICAL SECTION)	
19	1001236353	1	Ground Box Assembly (See Separate Breakdown in this Section)	
20	0760608	4	Bolt M6 x 16	
21	1320041	1	Clamp	
22	4811702	1	Washer M6	
23	4831700	4	Washer M6	
24	1001100319	3	Hose Clip M10	
25	1320095	1	Clamp	
26	4360387	1	Switch, Push Button	
27	1001176469	1	Shroud, Switch	
28	1001226116	1	Decal - Manual Descent Instruction	
29	1001234069	1	Harness, Fusible Link	
30	1001234736	1	Module, Control - Hydraulics (Note: Re-calibration Required when Replaced)	
31	4031711	2	Capscrew M6 x 35	

SECTION 2 - GROUND CONTROLS

FIGURE 2-8. ELECTRICAL COMPONENTS INSTALLATION - KUBOTA GASOLINE



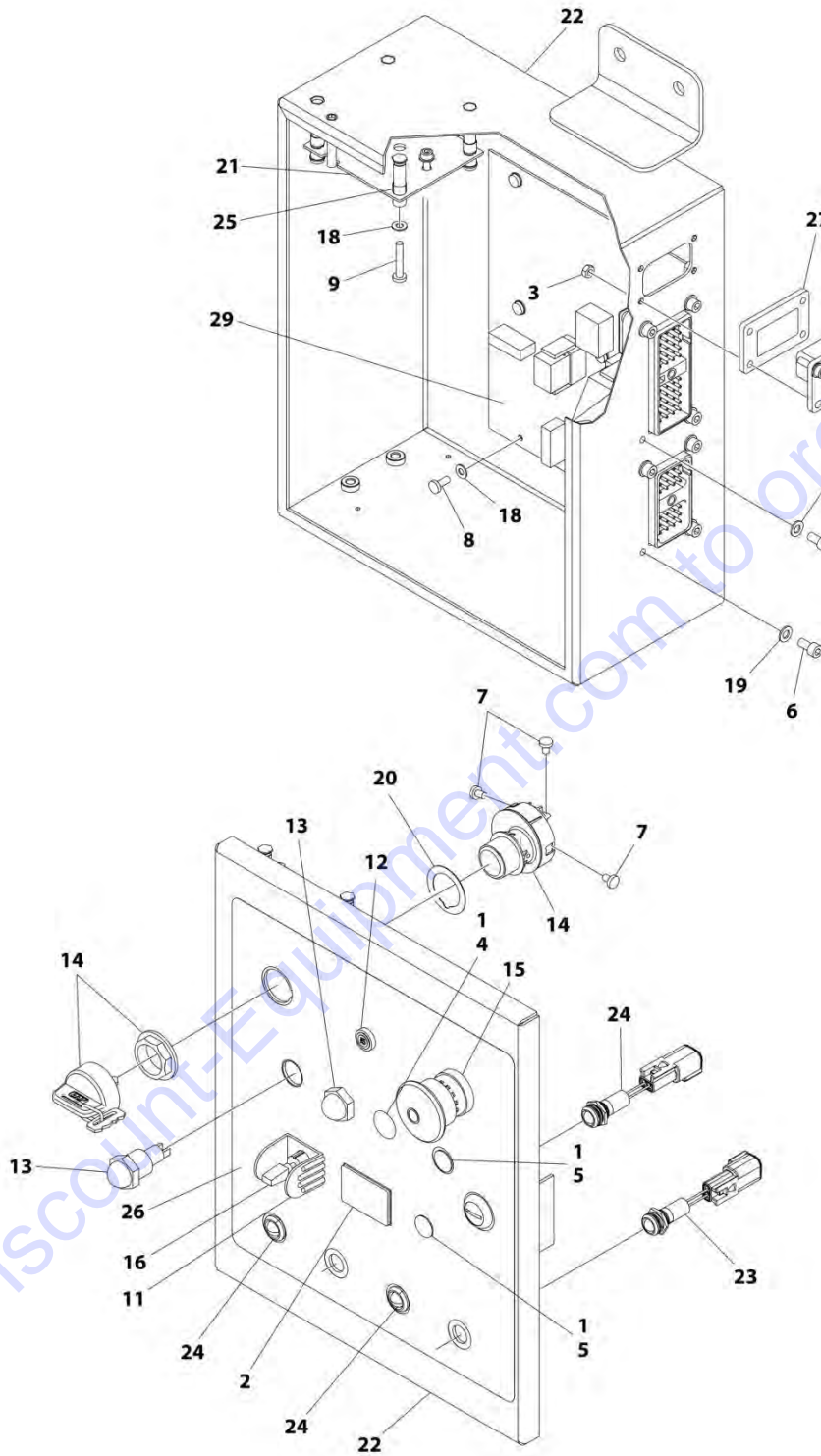
SECTION 2 - GROUND CONTROLS

FIGURE 2-8. ELECTRICAL COMPONENTS INSTALLATION - KUBOTA GASOLINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177775	Ref	ELECTRICAL COMPONENTS INSTALLATION - KUBOTA GASOLINE	I
1	0100011	AR	Compound, Locking	
2	0760610	6	Bolt M6 x 20	
3	3290501	AR	Nut M5	
4	3290505	AR	Nut M5	
5	3290605	5	Nut M6	
6	4031608	AR	Capscrew M5 x 20	
7	4031708	3	Capscrew M6 x 20	
8	4240018	21	Tie-Strap	
9	4811600	AR	Washer M5	
10	4811700	7	Washer M6	
11	4811900	4	Washer M8	
13	0760810001	4	Bolt M8 x 20	
14	1001102433	4	Nut M8	
16	1001244349	1	Engine Harness - Gasoline (See Separate Breakdown in ELECTRICAL SECTION)	
17	1001236430	1	Ground Control Box Assembly (See Separate Breakdown in this Section)	
18	1001182481	1	Module, Control (Note: Re-calibration Required when Replaced)	
19	1001185125	1	Plate, Mounting	
20	1001236380	1	Dual Fuel Harness (See Separate Breakdown in ELECTRICAL SECTION)	
21	1001222025	1	Hydraulic Compartment Harness (See Separate Breakdown in ELECTRICAL SECTION)	
22	1001236270	1	Chassis Harness (See Separate Breakdown in ELECTRICAL SECTION)	
23	0760608	2	Bolt M6 x 16	
24	4811702	2	Washer M6	
25	4831700	2	Washer M6	
26	1001100319	AR	Hose Clip M10	
27	1320095	AR	Clamp	
28	1001234069	1	Harness, Fusible Link	
29	4360387	1	Switch, Push Button	
30	1001176469	1	Shroud, Switch	
31	1001226116	1	Decal - Manual Descent Instructions	
32	1001234736	1	Module, Control - Hydraulics (Note: Re-calibration Required when Replaced)	
33	4031711	AR	Capscrew M6 x 35	

SECTION 2 - GROUND CONTROLS

FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - KUBOTA DIESEL



ART_1001236353

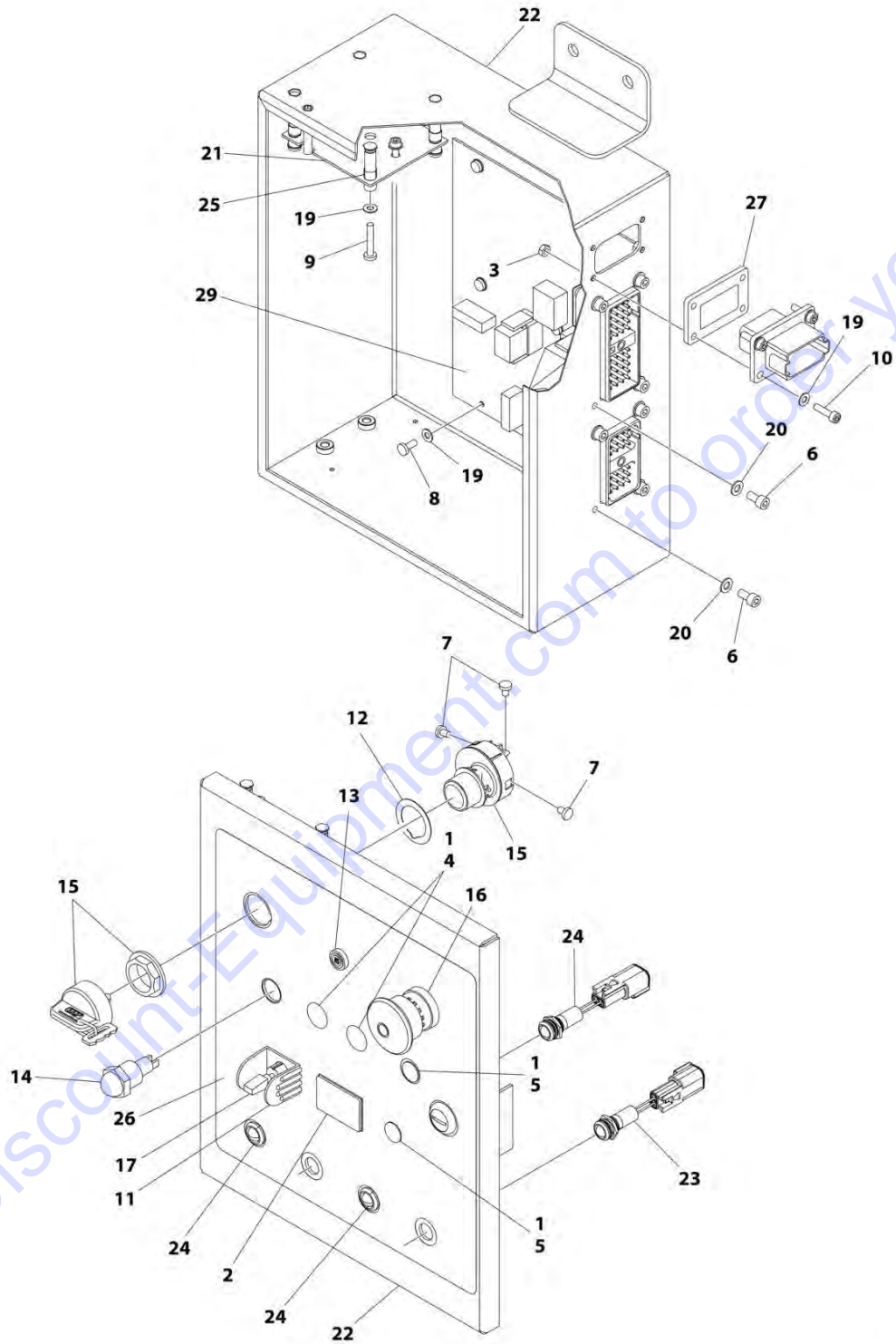
SECTION 2 - GROUND CONTROLS

FIGURE 2-9. GROUND CONTROL BOX ASSEMBLY - KUBOTA DIESEL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236353	Ref	GROUND CONTROL BOX ASSEMBLY - KUBOTA DIESEL	A
1	0100009	AR	Sealant	
2	2420172	1	Gauge	
3	3290405	4	Nut M4	
4	3520026	1	Plug, Hole	
5	3520028	2	Plug, Hole	
6	3900300	8	Capscrew	
7	4010403	4	Screw M4 x 6	
8	4010405	4	Screw M4 x 10	
9	4010412	4	Screw M4 x 24	
10	4031507	4	Capscrew M4 x 16	
11	4060802	1	Guard, Switch	
12	4360070	1	Breaker, Circuit 15Amp	
13	4360387	2	Switch, Push Button	
14	4360469	1	Switch, Key	
14	2860030	1 set	Key, Replacement	
15	4360475	1	Switch, Emergency Stop	
15	7020175	1	Cap	
15	7020176	1	Block, Contact	
16	4360524	1	Switch, Toggle	
17	4460234	8	Mount, Tie-Strap (Not Shown)	
18	4811400	12	Washer M4	
19	4811600	8	Washer M5	
20	4070987	5	Shim, .063	
21	1001181330	1	Sensor	
21	See Note	1	Connector - 4 Position (Note: Not Available for Purchase)	
21	See Note	4	Terminal (Note: Not Available for Purchase)	
22	1001181711	1	Box, Ground Control	
22	1001165791	1	Hinge	
22	1001166257	1	Latch	
23	1001182680	1	LED Light with Connector (Red)	
24	1001182681	3	LED Light with Connector (Yellow)	
25	1001184730	4	Washer, Nylon	
26	1001189773	1	Decal, Ground Control	
27	1001190002	1	Seal, Connector	
28	1001227353	1	Ground Control Box Harness - Upper (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
29	1001234735	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
30	1001236153	1	Ground Control Box Harness - Lower (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

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FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - KUBOTA GASOLINE



ART_1001236430

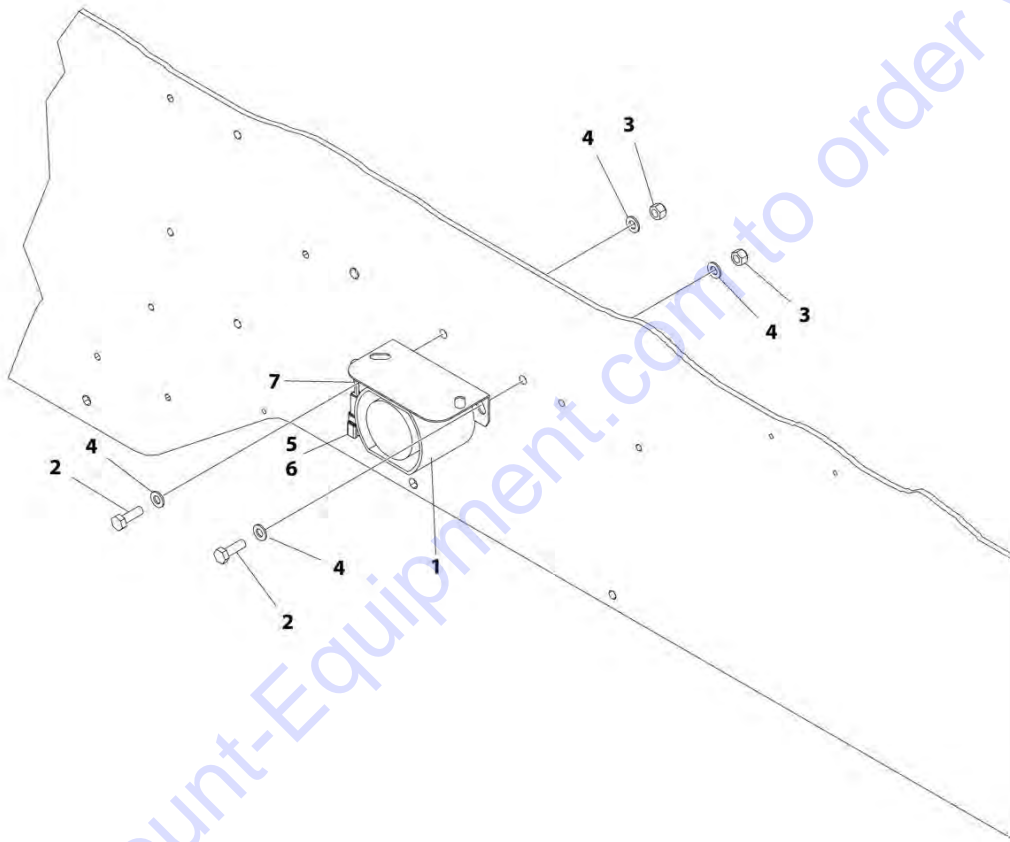
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FIGURE 2-10. GROUND CONTROL BOX ASSEMBLY - KUBOTA GASOLINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236430	Ref	GROUND CONTROL BOX ASSEMBLY - KUBOTA GASOLINE	A
1	0100009	AR	Sealant	
2	2420172	1	Gauge	
3	3290405	4	Nut M4	
4	3520026	2	Plug, Hole	
5	3520028	2	Plug, Hole	
6	3900300	8	Capscrew	
7	4010403	4	Screw M4 x 6	
8	4010405	4	Screw M4 x 10	
9	4010412	4	Screw M4 x 24	
10	4031505	4	Capscrew M4 x 10	
11	4060802	1	Guard, Switch	
12	4070987	AR	Shim, .015	
13	4360070	1	Breaker, Circuit 15Amp	
14	4360387	1	Switch, Push Button	
15	4360469	1	Switch, Key	
15	2860030	1 set	Key, Replacement	
16	4360475	1	Switch, Emergency Stop	
16	7020175	1	Cap	
16	7020176	1	Block, Contact	
17	4360524	1	Switch, Toggle	
18	4460234	AR	Mount, Tie-Strap (Not Shown)	
19	4811400	12	Washer M4	
20	4811600	8	Washer M5	
21	1001181330	1	Sensor	
21	See Note	1	Connector - 4 Position (Note: Not Available for Purchase)	
21	See Note	4	Terminal (Note: Not Available for Purchase)	
22	1001181711	1	Box, Ground Control	
22	1001165791	1	Hinge	
22	1001166257	1	Latch	
23	1001182680	1	LED Light with Connector (Red)	
24	1001182681	3	LED Light with Connector (Yellow)	
25	1001184730	4	Washer, Nylon	
26	1001189773	1	Decal - Ground Control	
27	1001190002	1	Seal, Connector	
28	1001227353	1	Ground Control Box Harness - Upper (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
29	1001234735	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
30	1001236153	1	Ground Control Box Harness - Lower (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 2 - GROUND CONTROLS

FIGURE 2-11. MOTION ALARM INSTALLATION



ART_1001191641

SECTION 2 - GROUND CONTROLS

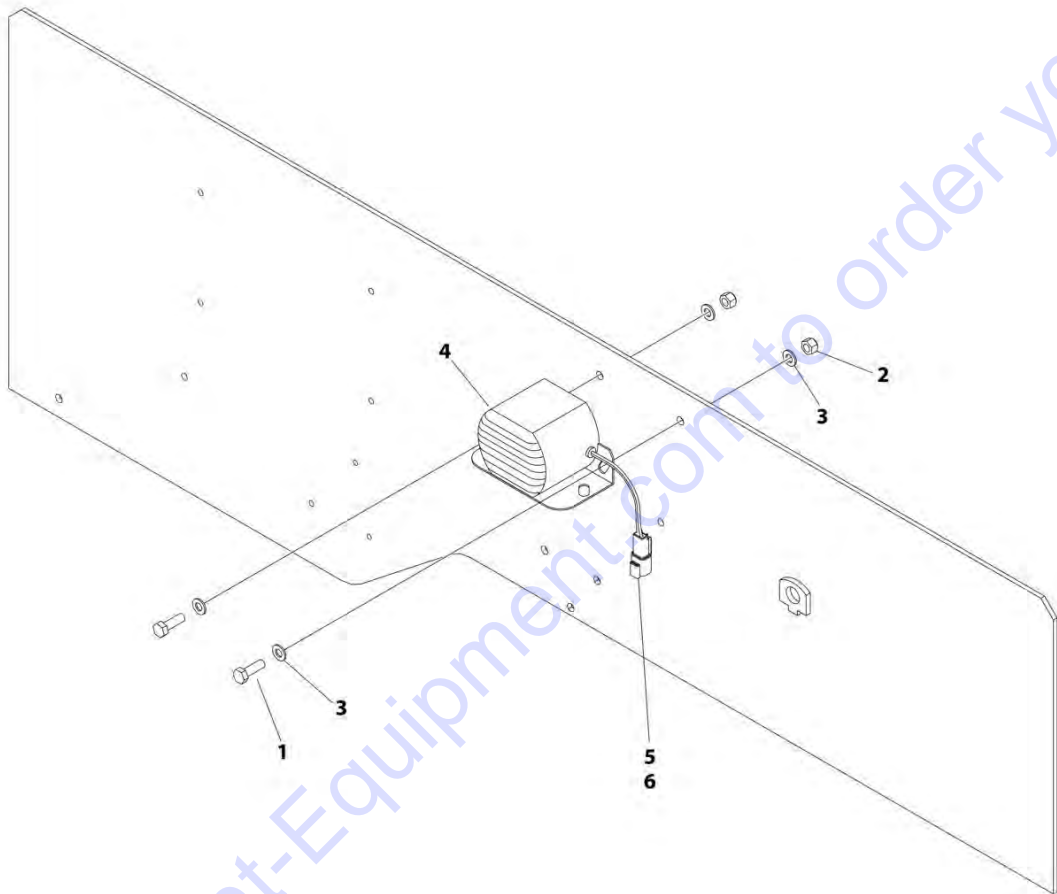
FIGURE 2-11. MOTION ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191641	Ref	MOTION ALARM INSTALLATION	C
1	0140032	1	Alarm	
2	0770812	2	Bolt M8 x 25	
3	3290805	2	Nut M8	
4	4811900	4	Washer M8	
5	4460464	2	Pin, Male	
6	4460897	1	Connector - 2 Position	
7	1001175012	AR	Conduit	

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FIGURE 2-12. WHITE NOISE ALARM INSTALLATION



ART_1001219108

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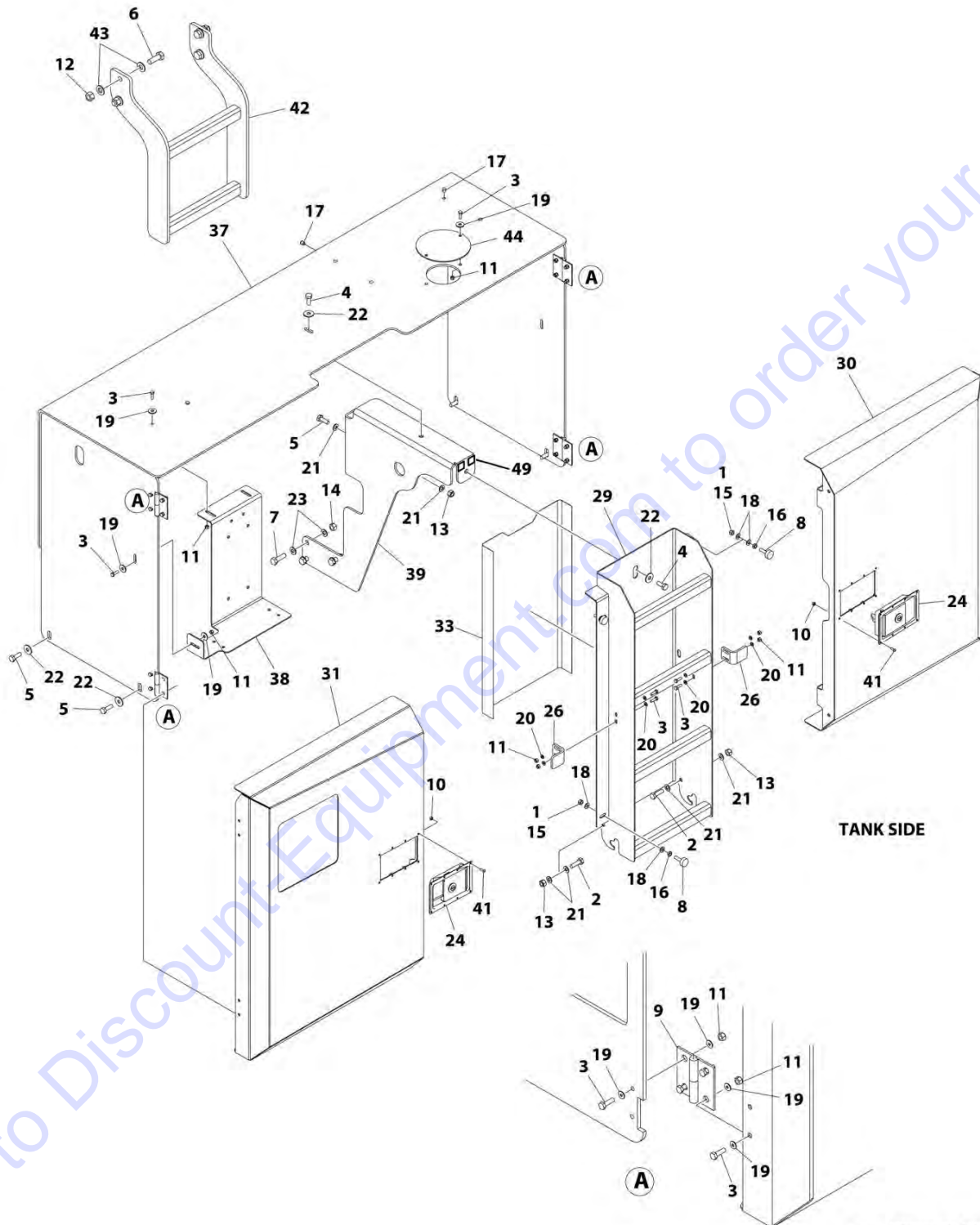
FIGURE 2-12. WHITE NOISE ALARM INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219108	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0760612	2	Bolt M6 x 25	
2	3290605	2	Nut M6	
3	4811702	4	Washer M6	
4	1001182806	1	Alarm, White Noise	
5	4460897	1	Connector - 2 Position	
6	4460464	2	Pin, Male	

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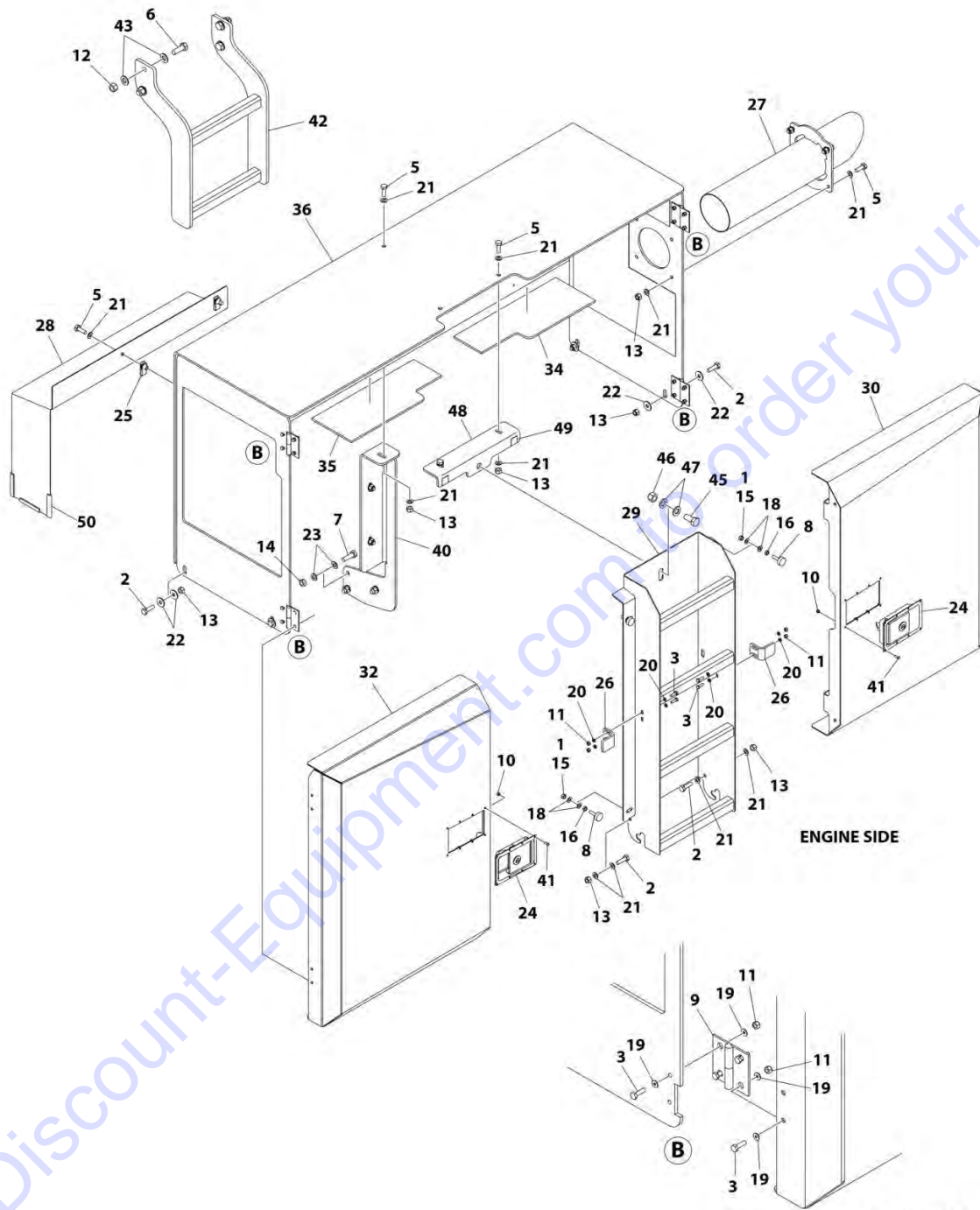
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FIGURE 2-13. HOODS AND LADDERS INSTALLATION



ART_1001177708_10F2

SECTION 2 - GROUND CONTROLS



ART_1001177708_20F2

SECTION 2 - GROUND CONTROLS

FIGURE 2-13. HOODS AND LADDERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233738	Ref	HOODS INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0701015	8	Bolt M10 x 35	
3	0760610	45	Bolt M6 x 20	
4	0761012	2	Bolt M10 x 25	
5	0761014	16	Bolt M10 x 30	
6	0761416	8	Bolt M14 x 40	
7	0761216	6	Bolt M12 x 40	
8	0940049	8	Stop, Hood	
9	2600216	8	Hinge	
10	3290505	32	Nut M5	
11	3290605	45	Nut M6	
12	3291407	8	Nut M14	
13	3291005	18	Nut M10	
14	3291201	6	Nut M12	
15	3311501	8	Nut 5/16	
16	3311502	8	Nut 5/16	
17	3520060	6	Plug 3/8	
18	4711500	16	Washer 5/16	
19	4811700	72	Washer M6	
20	4811702	18	Washer M6	
21	4812000	30	Washer M10	
22	4812002	14	Washer M10	
23	4812100	12	Washer M12	
24	1001093383	4	Latch	
25	1001118972	2	Nut Tinnerman M10	
26	1001181116	4	Bracket	
27	1001183416	1	Tube, Exhaust	
28	1001183727	1	Shield, Generator	
29	1001204140	2	Ladder	
30	1001204145	2	Door, Less Latch	
31	1001204146	1	Door, Less Latch	
32	1001204147	1	Door, Less Latch	
33	1001238471	1	Insulate	
34	1001225257	1	Insulate	
35	1001225258	1	Insulate	
36	1001233544	1	Shield Cover, Engine Side	
37	1001233549	1	Shield Cover, Hydraulic Side	
38	1001233554	1	Mount	
39	1001233576	1	Bracket	
40	1001237910	1	Bracket	
41	1001234348	32	Screw M5 x 16 Grade 10.9	
42	1001234847	2	Ladder	
43	4812200	16	Washer M14	
44	1001226221	1	Plate	
45	0761615	1	Bolt M16 x 35	
46	3291605	1	Nut M16	
47	4812300	2	Washer M16	
48	1001237909	1	Bracket	
49	4420062	7.1	Tape (SN E200000785 to Present)	

SECTION 2 - GROUND CONTROLS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	4060803	in/180mm 9.4 in/240mm	Flex-Trim (SN E200000785 to Present)	

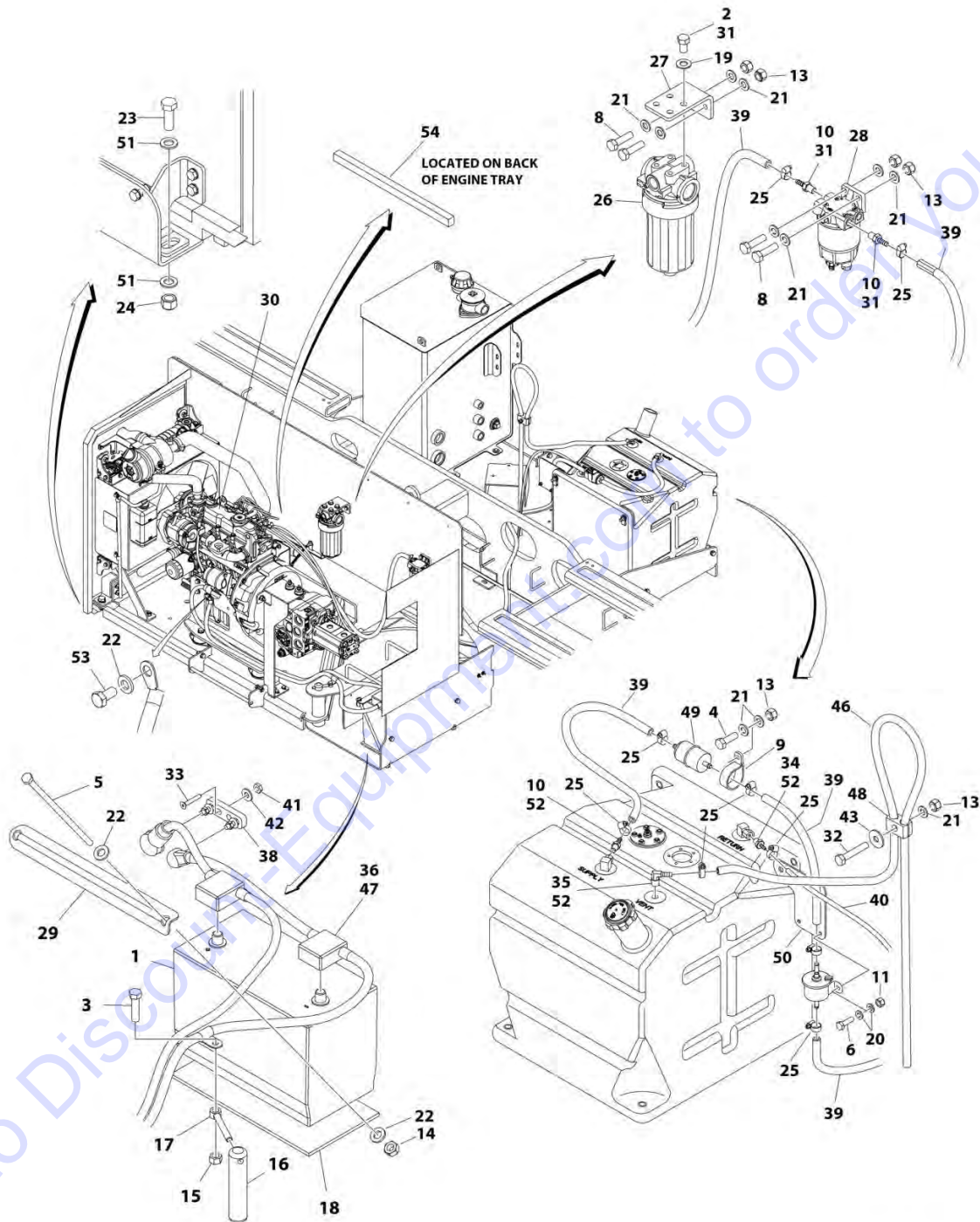
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SECTION 3 - ENGINE

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SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION - KUBOTA DIESEL STAGE III (SN E20000676 through E20000730)



ART_1001178695

SECTION 3 - ENGINE

FIGURE 3-1. ENGINE INSTALLATION - KUBOTA DIESEL STAGE III (SN E200000676 through E200000730)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178695	Ref	ENGINE INSTALLATION - KUBOTA DIESEL STAGE III	H
1	0400075	1	Battery	
2	0761010	3	Bolt M10 x20	
3	0641612	1	Bolt 3/8 x 1-1/2	
4	0700812	1	Bolt M8 x 25	
5	0701047	2	Bolt M10 x 300	
6	0760610	2	Bolt M6 x 20	
8	0760814	4	Bolt M8 x 30	
9	1320265	1	Clamp	
10	2180348	3	Fitting, NPT/Barbed	
11	3290605	2	Nut M6	
13	3290805	6	Nut M8	
14	3291001	2	Nut M10	
15	3311605	1	Nut 3/8	
16	3422669	1	Pin	
17	3841143	1	Keeper, Pin	
18	3980007	1	Seat, Battery	
19	4812000	3	Washer M10	
20	4811700	4	Washer M6	
21	4811900	11	Washer M8	
22	5241000	5	Washer M10	
23	0761617	1	Bolt M16 x 45	
24	3291605	1	Nut M16	
25	8405009	11	Clamp	
26	1001208874	1	Filter, Charge Pump	
26	70010383	1	Element, Filter	
27	1001194836	1	Bracket	
28	1001190609	1	Fuel/Water Separator Assembly (See Separate Breakdown in this Section)	
29	1001184065	1	Bracket, Hold Down	
30	1001185041	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
31	0100011	AR	Compound, Locking	
32	0700817	1	Bolt M8 x 45	
33	0741010	2	Screw #10 x 1-1/4	
34	2180666	1	Fitting, NPT/Barbed	
35	2220313	1	Fitting, 90° NPTF/Barbed	
36	0100051	AR	Grease, Battery Terminal	
37	2300004	AR	Coolant (Not Shown)	
38	2400044	1	Fuse, Mounting Block	
39	2720058	14.5 ft/ 4.4m	Hose	
40	2720271	9.3 ft/ 2.8m	Hose	
41	3300408	2	Nut	
42	4711400	2	Washer 1/4	
43	4811902	1	Washer M8	
45	1001159301	AR	Oil, Engine (Not Shown)	
46	1001165035	5.5 ft/ 1.7m	Hose	

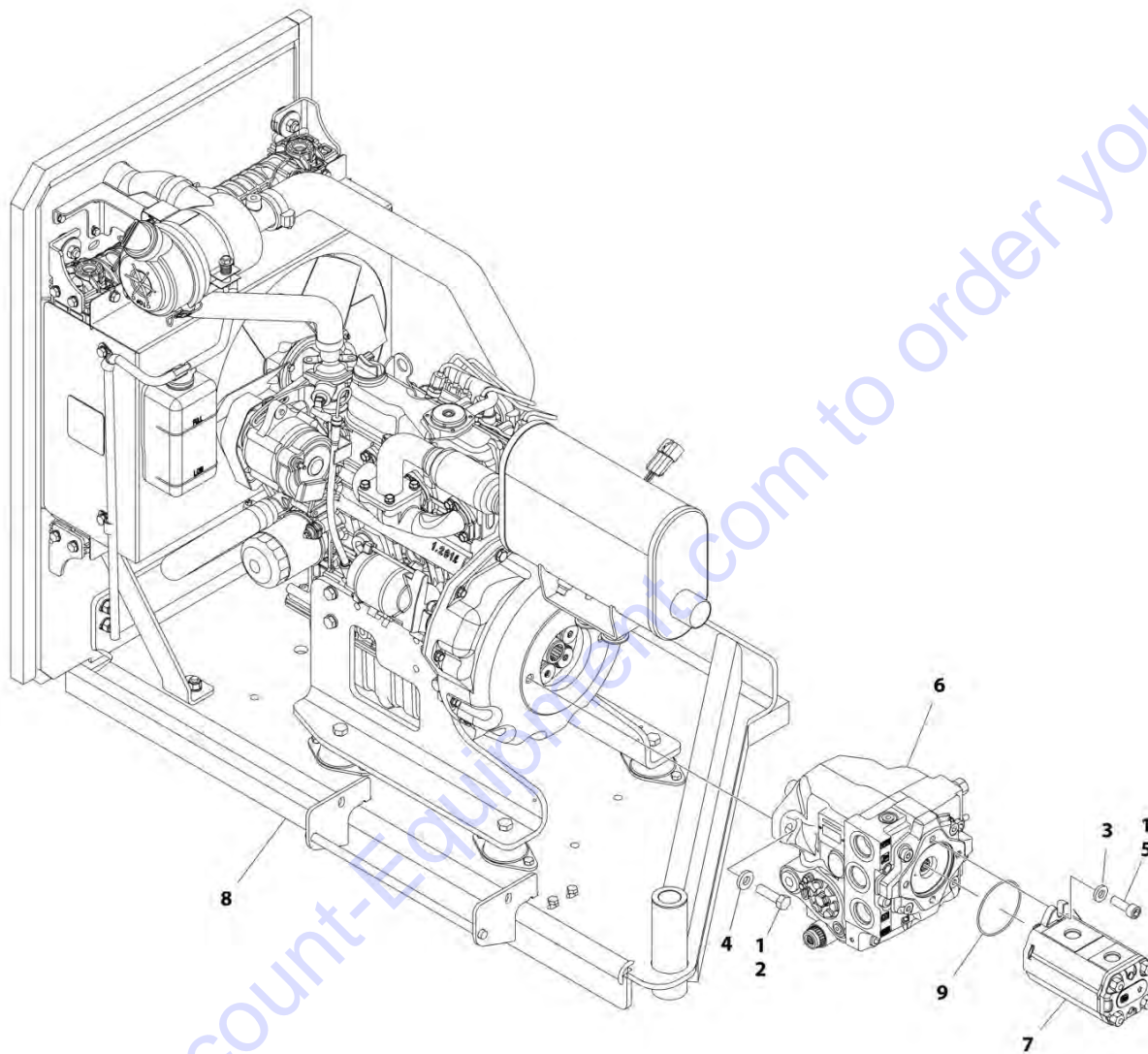
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
47	1001186428	1	Battery Cable Kit - Diesel (See Separate Breakdown in ELECTRICAL SECTION)	
48	8750014	1	Clamp	
49	1001190545	1	Strainer, Fuel	
50	1001191146	1	Bracket	
51	4812300	2	Washer M16	
52	0100020	AR	Sealant	
53	8303511	1	Capscrew M10	
54	1001183421	1	Foam, Baffle	

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SECTION 3 - ENGINE

FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III (SN E20000676 through E20000730)



ART_1001185041

SECTION 3 - ENGINE

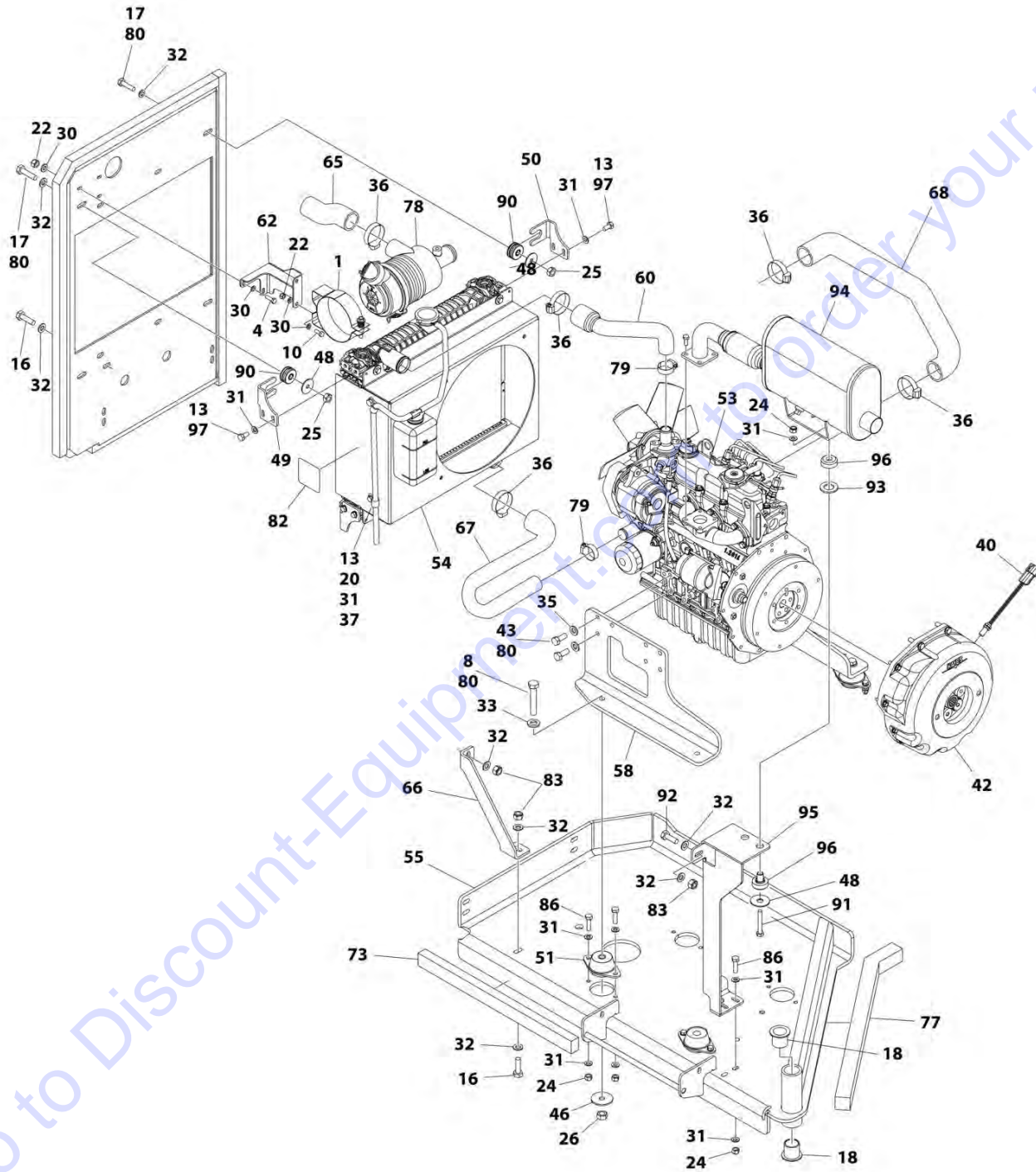
FIGURE 3-2. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III (SN E200000676 through E200000730)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185041	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III	G
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	4891600	2	Washer 3/8	
4	4891800	2	Washer 1/2	
5	83191040	2	Capscrew M10 x 30	
6	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
7	1001181393	1	Gear Pump Assembly	
7	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
8	1001185042	1	Engine Assembly - Kubota Diesel Stage III (See Separate Breakdown in this Section)	
9	3790152	1	O-Ring	

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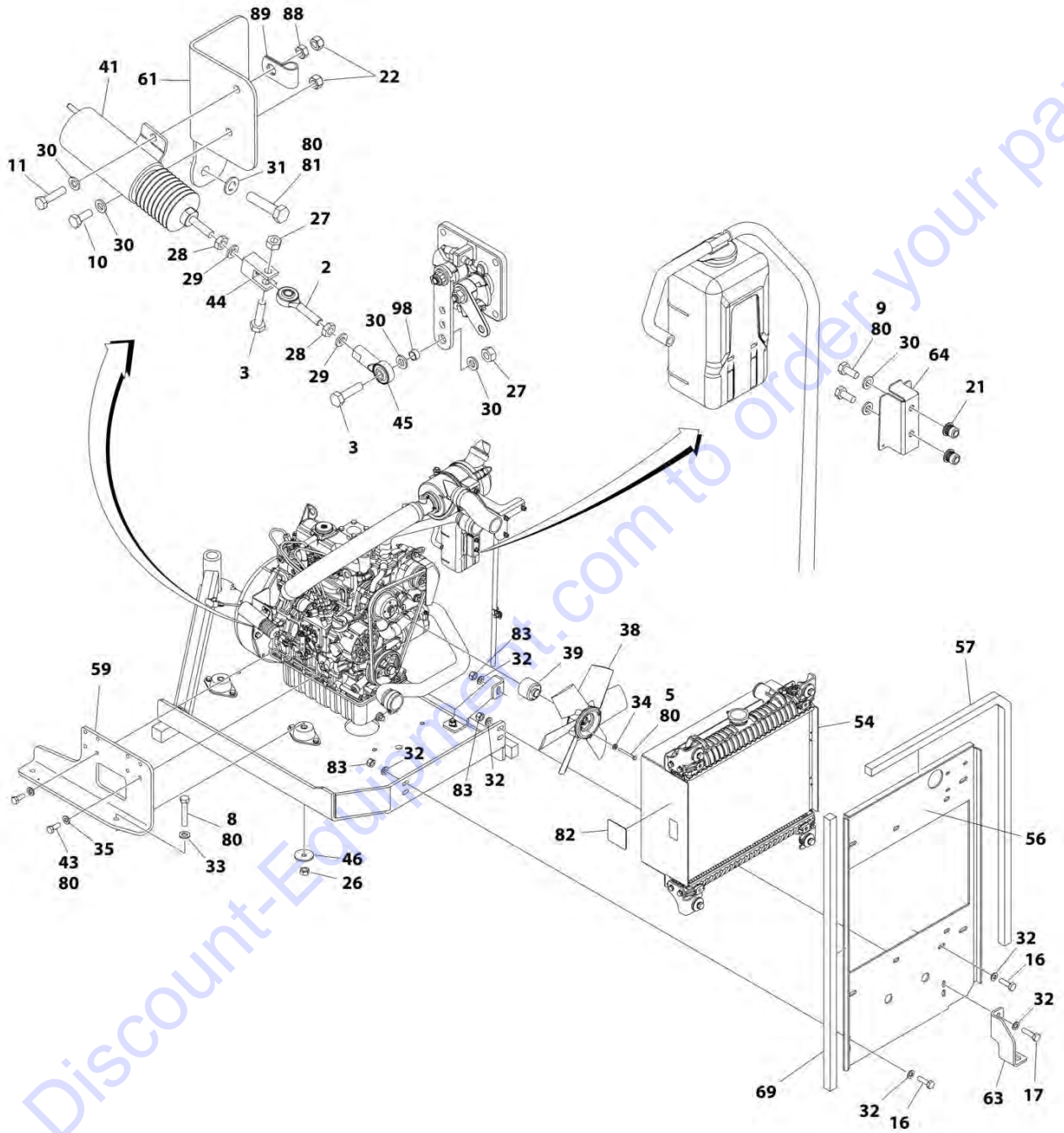
SECTION 3 - ENGINE

FIGURE 3-3. ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III (SN E20000676 through E20000730)



ART_1001185042_10F2

SECTION 3 - ENGINE



ART_1001185042_2OF2

SECTION 3 - ENGINE

FIGURE 3-3. ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III (SN E200000676 through E200000730)

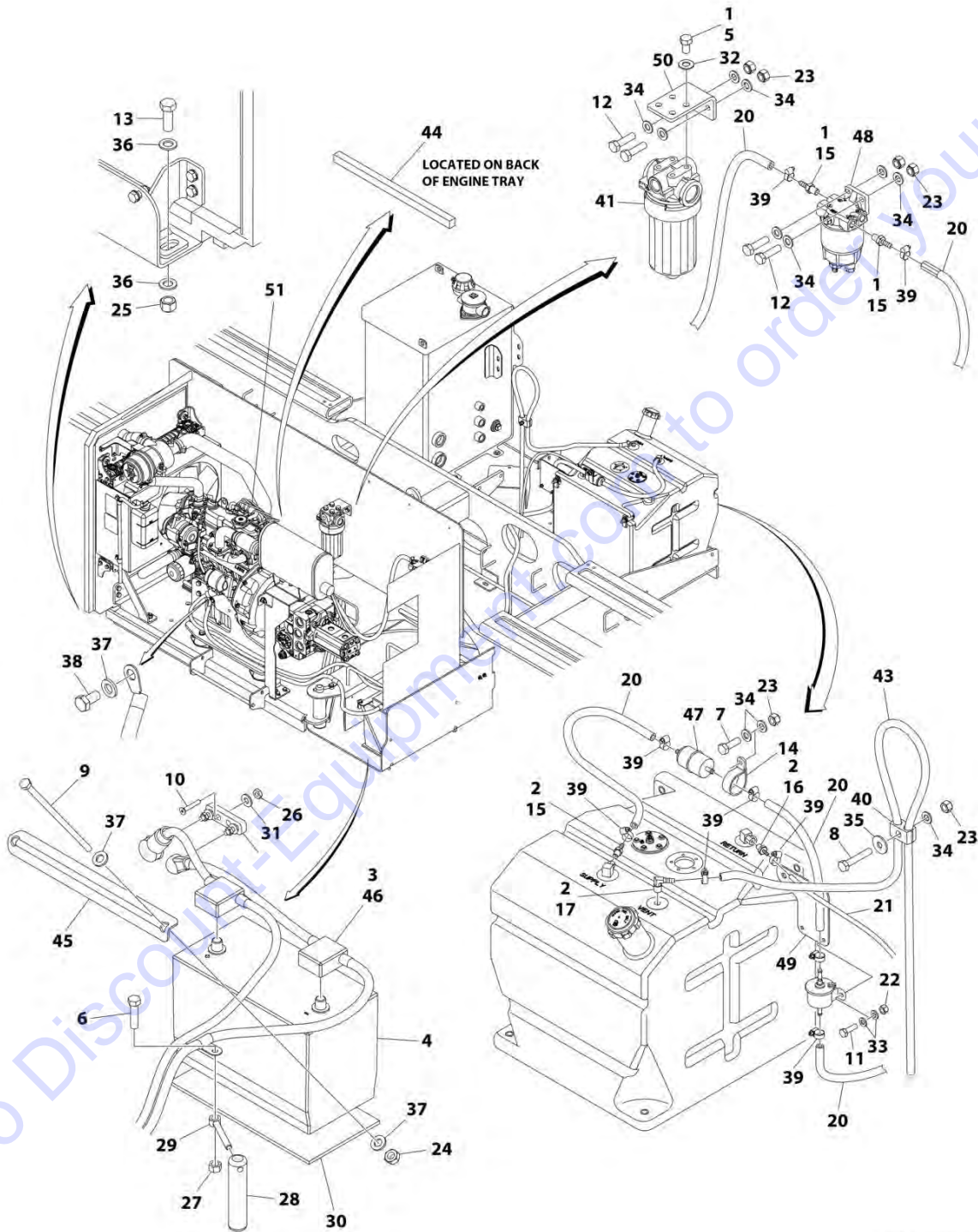
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185042	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III	P
1	0340045	1	Band, Mounting	
2	0440334	1	Bearing	
3	0641408	2	Bolt 1/4 x 1	
4	0700610	AR	Bolt M6 x 20	
5	0700620	4	Bolt M6 x 60	
8	0701222	4	Bolt M12 x 70	
9	0760607	2	Bolt M6 x 14	
10	0760608	AR	Bolt M6 x 16	
10	0760610	AR	Bolt M6 x 20	
11	0760612	1	Bolt M6 x 25	
13	0760808	10	Bolt M8 x 16	
16	0761015	4	Bolt M10 x 35	
17	0761016	6	Bolt M10 x 40	
18	0961986	2	Bearing, Flange	
20	1001191832	AR	Nut M8	
21	1001176636	AR	Nut M6	
22	3290605	AR	Nut M6	
24	3290805	AR	Nut M8	
25	3291001	4	Nut M10	
26	3291201	4	Nut M12	
27	3311405	2	Nut 1/4	
28	3321402	2	Nut 1/4	
29	4761400	2	Washer 1/4	
30	4811700	AR	Washer M6	
31	4811900	AR	Washer M8	
32	4812000	18	Washer M10	
33	5241200	4	Washer M12	
34	5240600	4	Washer M6	
35	5241000	8	Washer M10	
36	8405104	5	Clamp	
37	85941016	2	Clamp	
38	1001118538	1	Fan	
39	1001118539	1	Spacer, Fan	
40	1001118580	1	Sensor, Speed	
41	1001118582	1	Actuator, Throttle	
42	1001118675	1	Coupling Kit (See Separate Breakdown in this Section)	
43	1001118746	8	Bolt M10 x 25	
44	1001118881	1	Clevis, Linkage	
45	1001118925	1	Bearing	
46	1001168018	4	Washer	
48	1001169138	6	Pad	
49	1001169967	2	Bracket, Radiator	
50	1001170035	2	Bracket, Radiator	
51	1001187235	4	Mount, Motor	
53	1001224201	1	Engine Components - Kubota Diesel Stage III (See Separate Breakdown in this Section)	
54	1001220957	1	Radiator	
55	1001181649	1	Tray, Engine	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
56	1001181658	1	Plate, Radiator Mounting	
57	1001227285	1	Seal	
58	1001182976	1	Mount, Engine (LH)	
59	1001182977	1	Mount, Engine (RH)	
60	1001182978	1	Tube, Inlet	
61	1001182979	1	Bracket, Throttle Cylinder	
62	1001182980	1	Bracket, Air Cleaner	
63	1001182981	1	Bracket, Tray	
64	1001182982	1	Mount	
65	1001182983	1	Tube, Intake	
66	1001182984	1	Bracket, Support	
67	1001182985	1	Tube, Outlet	
68	1001182987	1	Tube, Air Intake	
69	1001183420	1	Foam, Baffle	
73	1001183424	1	Foam, Baffle	
77	1001184066	1	Foam, Baffle	
78	1001118280	1	Air Filter Assembly	
78	7015004	2	Element	
78	7015005	1	Cover Assembly	
78	1340069	1	Valve, Vacuator	
79	8405101	2	Clamp	
80	0100011	AR	Compound, Locking	
81	0700815	2	Bolt M8 x 35	
82	1703162	2	Decal - Fan Blade	
83	3291005	7	Nut M10	
86	0700814	10	Bolt M8	
88	3290601	AR	Nut M6	
89	90021705	1	Clamp, Support	
90	1001169054	4	Isolator, Radiator	
91	0700819	2	Bolt, M8 x 55	
92	0761014	1	Bolt M10 x 30	
93	4812500	2	Washer M20	
94	1001234950	1	Muffler	
95	1001195600	1	Bracket, Muffler	
96	1001125248	2	Mount, Engine	
97	1001180620	AR	Compound, Locking	
98	1001128888	AR	Washer	

SECTION 3 - ENGINE

FIGURE 3-4. ENGINE INSTALLATION - KUBOTA DIESEL STAGE III WITH GENERATOR (SN E200000676 through E200000730)



ART_1001231718

SECTION 3 - ENGINE

FIGURE 3-4. ENGINE INSTALLATION - KUBOTA DIESEL STAGE III WITH GENERATOR (SN E200000676 through E200000730)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231718	Ref	ENGINE INSTALLATION - KUBOTA DIESEL STAGE III	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100051	AR	Grease, Battery Terminal	
4	0400075	1	Battery	
5	0761010	3	Bolt M10 x 20	
6	0641612	1	Bolt 3/8 x 1-1/2	
7	0700812	1	Bolt M8 x 25	
8	0700817	1	Bolt M8 x 45	
9	0701047	2	Bolt M10 x 300	
10	0741010	2	Screw #10 x 1-1/4	
11	0760610	2	Bolt M6 x 20	
12	0760814	4	Bolt M8 x 30	
13	0761617	1	Bolt M16 x 45	
14	1320265	1	Clamp	
15	2180348	3	Fitting, NPT/Barbed	
16	2180666	1	Fitting, NPT/Barbed	
17	2220313	1	Fitting, 90° NPTF/Barbed	
18	2300004	AR	Coolant (Not Shown)	
19	2400044	1	Fuse, Mounting Block	
20	2720058	14.5 ft/ 4.4m	Hose	
21	2720271	9.3 ft/ 2.8m	Hose	
22	3290605	2	Nut M6	
23	3290805	6	Nut M8	
24	3291001	2	Nut M10	
25	3291605	1	Nut 3/8	
26	3300408	2	Nut	
27	3311605	1	Nut 3/8	
28	3422669	1	Pin	
29	3841143	1	Keeper, Pin	
30	3980007	1	Seat, Battery	
31	4711400	2	Washer 1/4	
32	4812000	3	Washer M10	
33	4811700	4	Washer M6	
34	4811900	11	Washer M8	
35	4811902	1	Washer M8	
36	4812300	2	Washer M16	
37	5241000	5	Washer M10	
38	8303511	1	Capscrew M10 x 20	
39	8405009	11	Clamp	
40	8750014	1	Clamp	
41	1001208874	1	Filter, Charge Pump	
41	70010383	1	Element (Includes O-Ring)	
42	1001159301	AR	Oil, Engine (Not Shown)	
43	1001165035	5.5 ft/ 1.7m	Hose	
44	1001183421	1	Foam, Baffle	

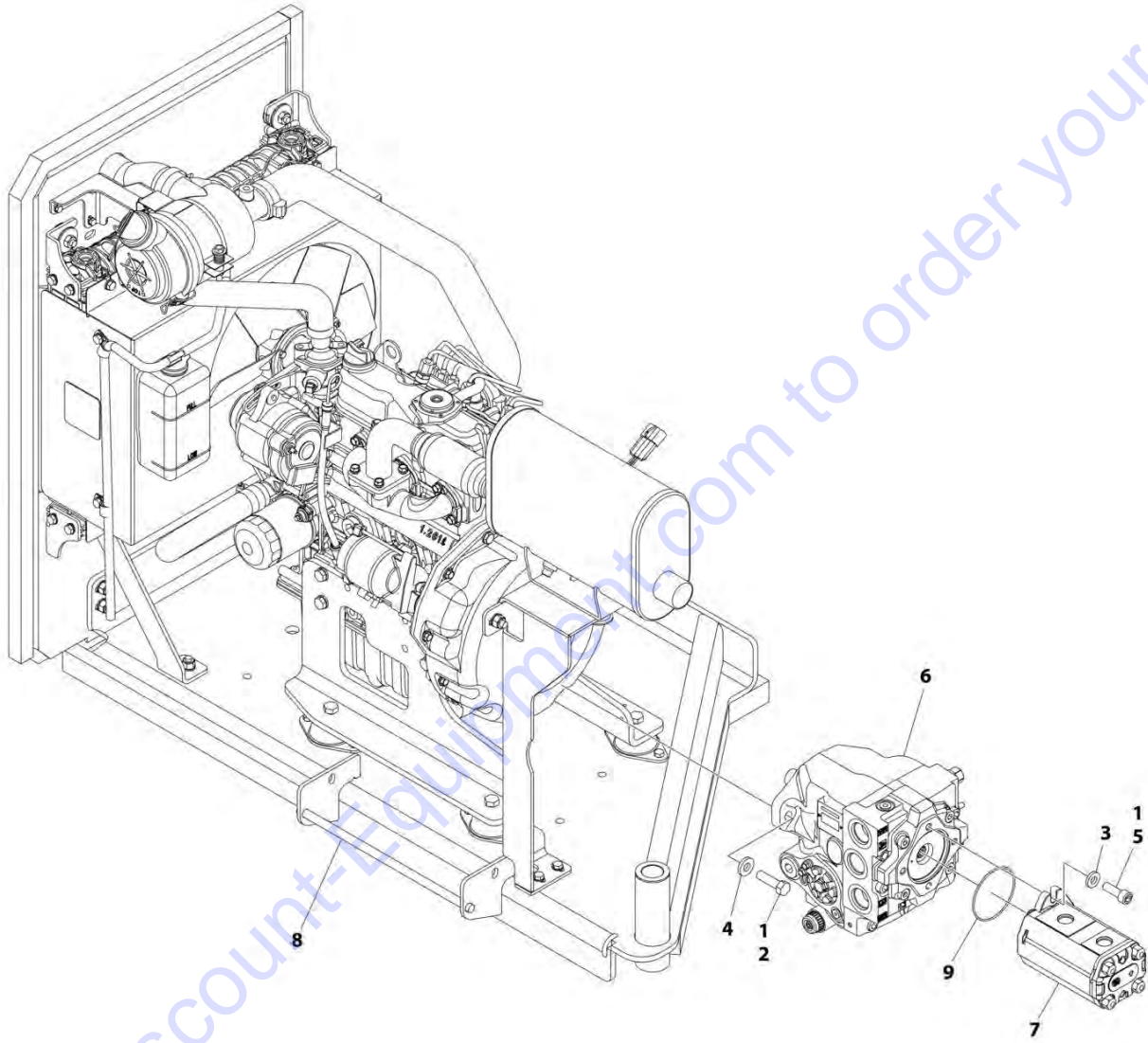
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001184065	1	Bracket, Hold Down	
46	1001186428	1	Battery Cable Kit - Diesel (See Separate Breakdown in ELECTRICAL SECTION)	
47	1001190545	1	Strainer, Fuel	
48	1001190609	1	Fuel/Water Separator Assembly (See Separate Breakdown in this Section)	
49	1001191146	1	Bracket	
50	1001194836	1	Bracket	
51	1001231719	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	

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SECTION 3 - ENGINE

FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III WITH GENERATOR
(SN E20000676 through E20000730)



ART_1001231719

SECTION 3 - ENGINE

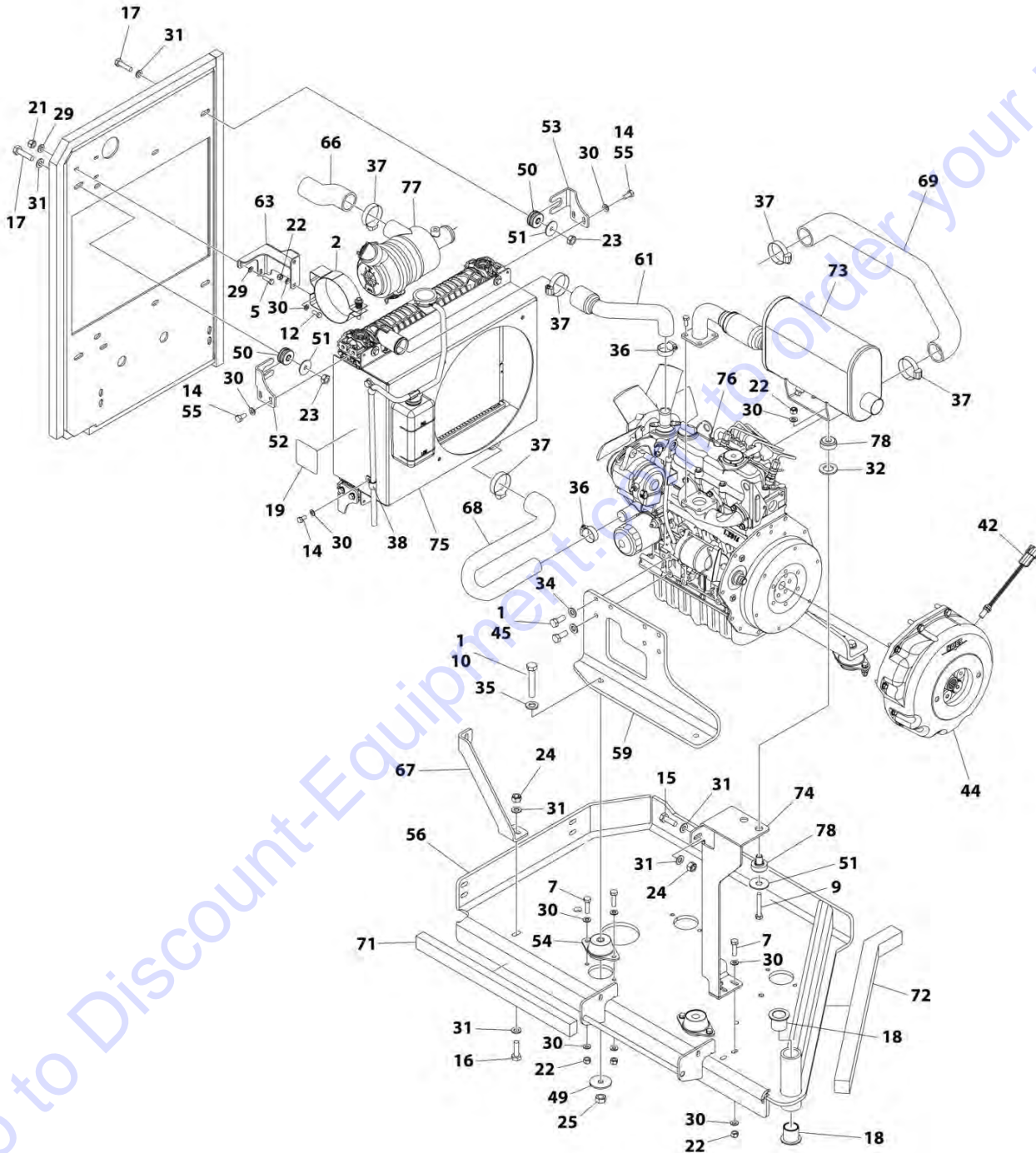
**FIGURE 3-5. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III WITH GENERATOR
(SN E200000676 through E200000730)**

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231719	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL STAGE III	D
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	4891600	2	Washer 3/8	
4	4891800	2	Washer 1/2	
5	83191040	2	Capscrew M10 x 30	
6	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
7	1001181393	1	Gear Pump Assembly	
7	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
8	1001231720	1	Engine Assembly - Kubota Diesel Stage III (See Separate Breakdown in this Section)	
9	3790152	1	O-Ring	

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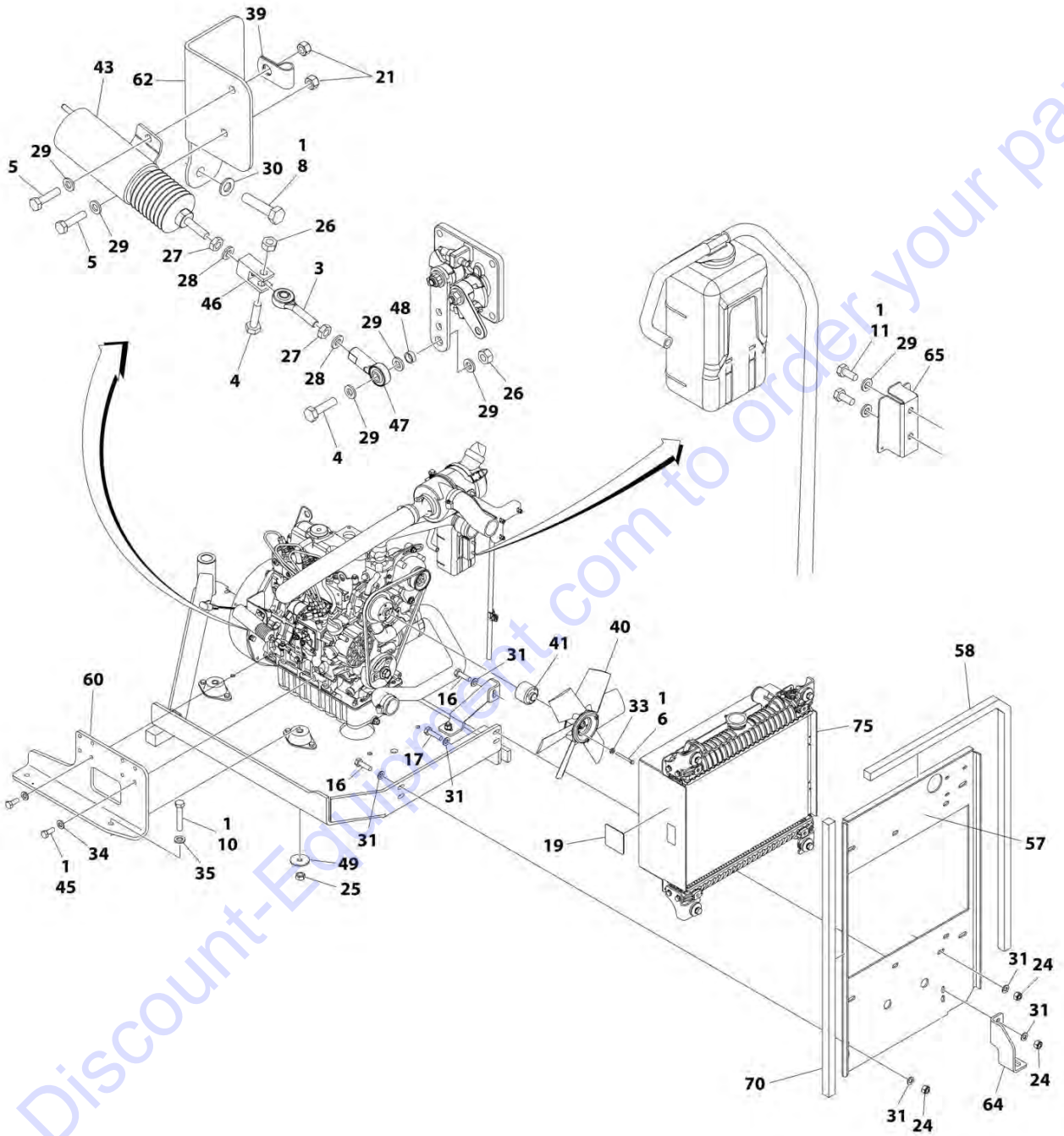
SECTION 3 - ENGINE

FIGURE 3-6. ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III WITH GENERATOR (SN E200000676 through E200000730)



ART_1001231720_10F2

SECTION 3 - ENGINE



ART_1001231720_20F2

SECTION 3 - ENGINE

FIGURE 3-6. ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III WITH GENERATOR (SN E200000676 through E200000730)

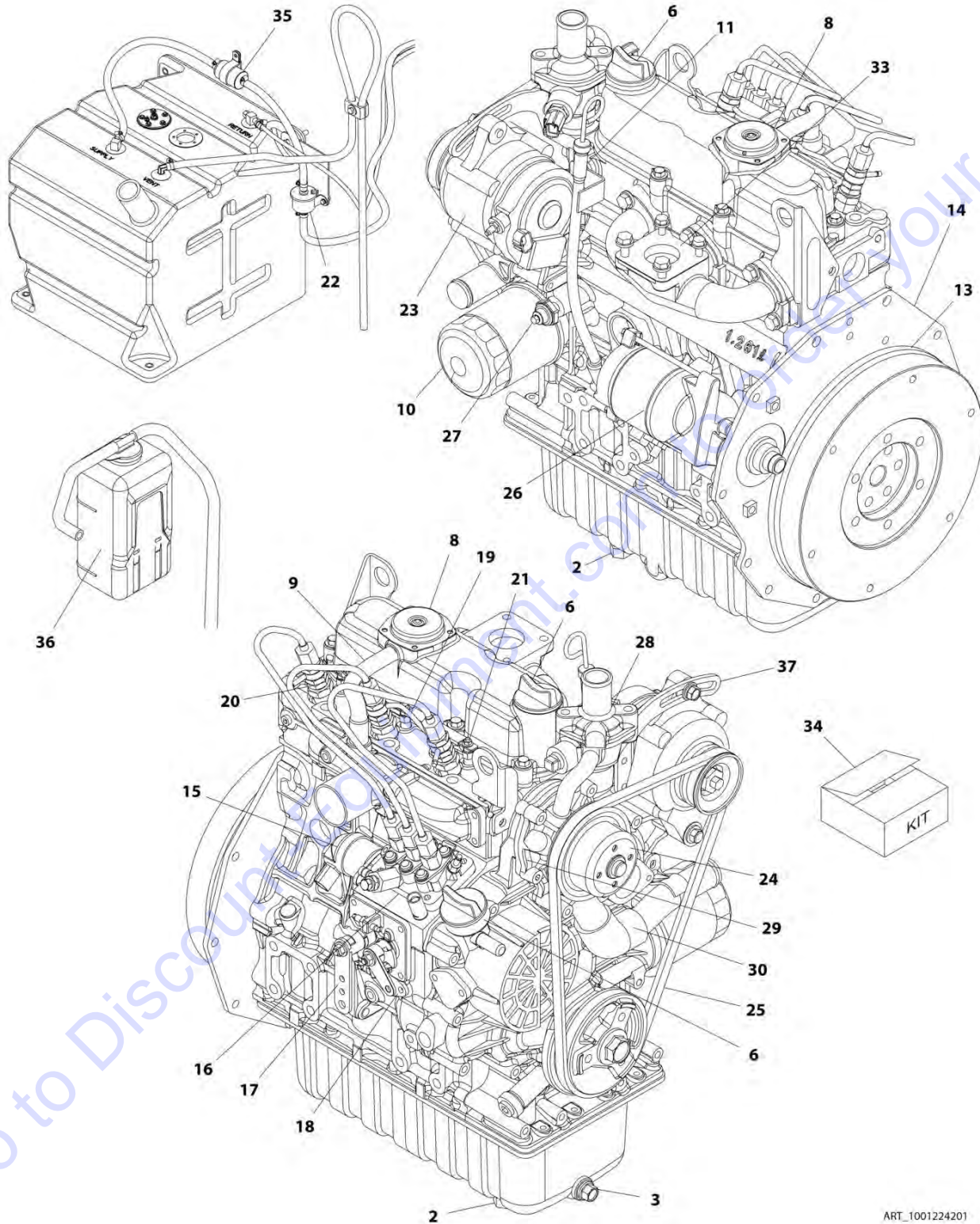
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231720	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL STAGE III	D
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0440334	1	Bearing	
4	0641408	2	Bolt 1/4 x 1	
5	0700610	5	Bolt M6 x 20	
6	0700620	4	Bolt M6 x 60	
7	0700814	10	Bolt M8	
8	0700815	2	Bolt M8 x 35	
9	0700819	2	Bolt, M8 x 55	
10	0701222	4	Bolt M12 x 70	
11	0760607	2	Bolt M6 x 14	
12	0760810	2	Bolt M8 x 20	
14	0760808	10	Bolt M8 x 16	
15	0761014	1	Bolt M10 x 30	
16	0761015	4	Bolt M10 x 35	
17	0761016	6	Bolt M10 x 40	
18	0961986	2	Bearing, Flange	
19	1703162	2	Decal - Fan Blade	
21	3290605	5	Nut M6	
22	3290805	14	Nut M8	
23	3291001	4	Nut M10	
24	3291005	7	Nut M10	
25	3291201	4	Nut M12	
26	3311405	2	Nut 1/4	
27	3321402	2	Nut 1/4	
28	4761400	2	Washer 1/4	
29	4811700	13	Washer M6	
30	4811900	38	Washer M8	
31	4812000	18	Washer M10	
32	4812500	2	Washer M20	
33	5240600	4	Washer M6	
34	5241000	8	Washer M10	
35	5241200	4	Washer M12	
36	8405101	2	Clamp	
37	8405104	5	Clamp	
38	85941016	2	Clamp	
39	90021705	1	Clamp, Support	
40	1001118538	1	Fan	
41	1001118539	1	Spacer, Fan	
42	1001118580	1	Sensor, Speed	
43	1001118582	1	Actuator, Throttle	
44	1001118675	1	Coupling Kit (See Separate Breakdown in this Section)	
45	1001118746	8	Bolt M10 x 25	
46	1001118881	1	Clevis, Linkage	
47	1001118925	1	Bearing	
48	1001128888	1	Washer	
49	1001168018	4	Washer	
50	1001169054	4	Isolator, Radiator	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001169138	6	Pad	
52	1001169967	2	Bracket, Radiator	
53	1001170035	2	Bracket, Radiator	
54	1001175509	4	Mount, Motor	
55	1001180620	AR	Compound, Locking	
56	1001181649	1	Tray, Engine	
57	1001181658	1	Plate, Radiator Mounting	
58	1001227285	1	Seal	
59	1001182976	1	Mount, Engine (LH)	
60	1001182977	1	Mount, Engine (RH)	
61	1001182978	1	Tube, Inlet	
62	1001182979	1	Bracket, Throttle Cylinder	
63	1001182980	1	Bracket, Air Cleaner	
64	1001182981	1	Bracket, Tray	
65	1001182982	1	Mount	
66	1001182983	1	Tube, Intake	
67	1001182984	1	Bracket, Support	
68	1001182985	1	Tube, Outlet	
69	1001182987	1	Tube, Air Intake	
70	1001183420	1	Foam, Baffle	
71	1001183424	1	Foam, Baffle	
72	1001184066	1	Foam, Baffle	
73	1001234950	1	Muffler	
74	1001195600	1	Bracket, Muffler	
75	1001220957	1	Radiator	
76	1001224201	1	Engine Components - Kubota Diesel Stage III (See Separate Breakdown in this Section)	
77	1001118280	1	Air Filter Assembly	
77	7015004	2	Element	
77	7015005	1	Cover Assembly	
77	1340069	1	Valve, Vacuumator	
78	1001125248	2	Mount, Engine	

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FIGURE 3-7. ENGINE COMPONENTS - KUBOTA DIESEL STAGE III (SN E20000676 through E20000730)



ART_1001224201

SECTION 3 - ENGINE

FIGURE 3-7. ENGINE COMPONENTS - KUBOTA DIESEL STAGE III (SN E200000676 through E200000730)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224201	Ref	ENGINE COMPONENTS - KUBOTA DIESEL STAGE III	F
1	70004524	1	Drain (Not Shown)	
2	7023154	1	Plug, Drain	
2	70002315	1	Seal, Plug	
3	70004525	1	Plug, Drain	
3	70004526	1	Gasket	
4	70005220	1	Gasket, Cylinder Head (Not Shown)	
5	7023157	1	Seal, Front Main (Not Shown)	
6	70002318	2	Cap, Oil Fill	
6	70004311	2	O-Ring	
7	70005221	1	Gasket, Valve Cover (Not Shown)	
8	70003060	1	Valve, Breather	
8	70003061	1	Cover, Breather	
8	7017934	4	Screw	
9	70002316	1	Pipe, Water Return	
9	70002317	1	Tube, Breather	
9	70004530	1	Clamp, Hose	
9	70004531	1	Band, Pipe	
10	70004395	1	Filter, Oil	
11	70005222	1	Dipstick	
11	70005223	1	Tube, Dipstick	
12	7017928	1	Seal, Rear Main (Not Shown)	
13	70005224	1	Gear, Ring	
14	70002419	1	Plate, Rear End	
15	7025479	1	Solenoid, Stop	
16	7023164	1	Pump, Injection	
16	70002319	1	Shim, Injection	
16	70002320	1	Shim, Injection	
16	70002321	1	Shim, Injection Pump	
16	70002322	1	Shim, Injection Pump	
16	70002323	1	Shim, Injection Pump	
16	7017945	1	Joint, Eye	
17	7023136	1	Spring, Governor	
17	70004396	1	Control, Speed	
17	70004397	1	Gasket	
18	7023165	1	Gasket	
19	70004536	1	Pipe, Over Flow	
19	70004537	1	Screw, Air Bleeder	
19	70004538	1	Seal	
19	70004539	1	Pipe, Over Flow	
20	70004399	3	Holder, Nozzle	
20	70004540	3	Nut	
20	7023167	3	Gasket	
20	7023168	3	Seal, Heat	
21	70002324	3	Plug, Glow	
21	70004544	1	Cord, Glow Plug	
22	70005228	1	Fuel Pump Assembly - Electric	
23	70006661	1	Alternator - 60Amp	
24	7023140	1	Pulley, Fan	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
25	70006665	1	V-Belt	
26	7023144	1	Starter	
27	7017901	1	Switch, Oil	
28	70003064	1	Sensor, Water Temperature	
28	70003063	1	Washer, Seal	
28	70004829	1	Pipe, Water Return	
28	7023145	1	Gasket, Water Flange	
28	7017958	1	Hose, Water Return	
28	7023170	1	Thermostat	
28	70002326	1	Gasket Thermostat	
29	70002327	1	Pump, Water	
29	70002328	1	Gasket, Water Pump	
30	7017963	1	Pipe, Water	
30	70002330	1	Pipe, Water	
31	7023149	1	Gasket, Inlet Manifold (Not Shown)	
32	7023148	1	Gasket, Exhaust Manifold (Not Shown)	
33	7023124	1	Gasket, Muffler	
33	70004415	4	Bolt	
34	70005226	1	Upper Gasket Kit	
34	70005227	1	Lower Gasket Kit	
35	7017992	1	Fuel, Filter	
36	70005229	1	Tank, Coolant Reserve	
37	70006664	1	Arm, Adjustment	

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or Request Quote**

A screenshot of the "Search Manuals" form. It includes a title "Search Manuals" and a subtitle "Please enter the model number or part number to search for a part". The form has several input fields: "Find" (with a dropdown menu), "Serial Number" (with a dropdown menu), "Year" (with a dropdown menu), "Serial" (text input), "Part Number" (text input), "Part Name" (text input), and "Category" (text input). There is a "Search" button at the bottom.

**Can't Find Part or
Manual? Request Help
by Manufacturer,
Model & Description**

A screenshot of the "Parts Order Form". It has a title "Parts Order Form" and a subtitle "Please fill in the information below to request help finding a part or manual". The form contains several input fields: "Manufacturer" (text input), "Model" (text input), "Description" (text input), "Part Number" (text input), "Part Name" (text input), "Year" (text input), "Serial Number" (text input), "Part Category" (text input), "Part Location" (text input), "Part Quantity" (text input), and "Part Price" (text input). There is a "Submit" button at the bottom.

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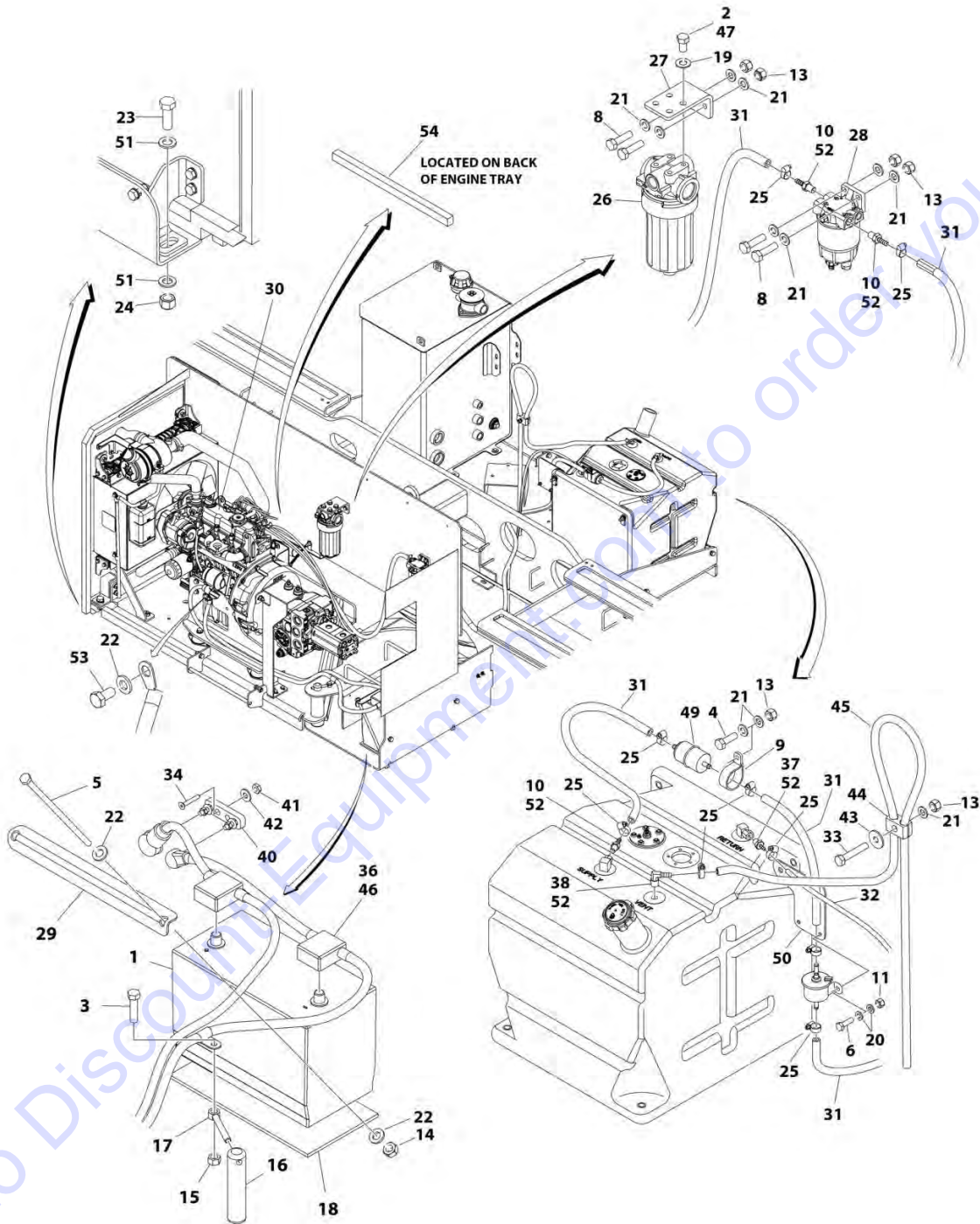
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SECTION 3 - ENGINE

FIGURE 3-8. ENGINE INSTALLATION - KUBOTA DIESEL T4F



ART_1001177786

SECTION 3 - ENGINE

FIGURE 3-8. ENGINE INSTALLATION - KUBOTA DIESEL T4F

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177786	Ref	ENGINE INSTALLATION - KUBOTA DIESEL T4F	J
1	0400075	1	Battery	
2	0761010	3	Bolt M10 x 20	
3	0641612	1	Bolt 3/8 x 1-1/2	
4	0700812	1	Bolt M8 x 25	
5	0701047	2	Bolt M10 x 300	
6	0760610	2	Bolt M8 x 20	
8	0760814	4	Bolt M8 x 30	
9	1320265	1	Clamp	
10	2180348	3	Fitting, NPT/Barbed	
11	3290605	2	Nut M6	
13	3290805	6	Nut M8	
14	3291001	2	Nut M10	
15	3311605	1	Nut 3/8	
16	3422669	1	Pin	
17	3841143	1	Keeper, Pin	
18	3980007	1	Seat, Battery	
19	4812000	3	Washer M10	
20	4811700	4	Washer M6	
21	4811900	11	Washer M8	
22	5241000	5	Washer M10	
23	0761617	1	Bolt M16 x 45	
24	3291605	1	Nut M16	
25	8405009	11	Clamp	
26	1001208874	1	Filter, Charge Pump	
26	70010383	1	Element, Filter	
27	1001194836	1	Bracket, Charge Pump	
28	1001190809	1	Fuel/Water Separator Assembly (See Separate Breakdown in this Section)	
29	1001184065	1	Bracket, Hold Down	
30	1001184498	NLA	Engine and Pump Sub-Assembly (Use p/n 1001238776) (See Separate Breakdown in this Section) (SN E200000676 through E200000722)	
30	1001238776	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section) (SN E200000723 to Present)	
31	2720058	14.5 ft / 4.4m	Hose	
32	2720271	9.3 ft / 2.8m	Hose	
33	0700817	1	Bolt M8 x 45	
34	0741010	2	Screw #10 x 1-1/4	
35	1001159301	AR	Oil, Engine (Not Shown)	
36	0100051	AR	Grease, Battery Terminal	
37	2180666	1	Fitting, NPT/Barbed	
38	2220313	1	Fitting, 90° NPTF/Barbed	
39	2300004	AR	Coolant (Not Shown)	
40	2400044	1	Fuse, Mounting Block	
41	3300408	2	Nut	
42	4711400	2	Washer 1/4	
43	4811902	1	Washer M8	
44	8750014	1	Clamp	

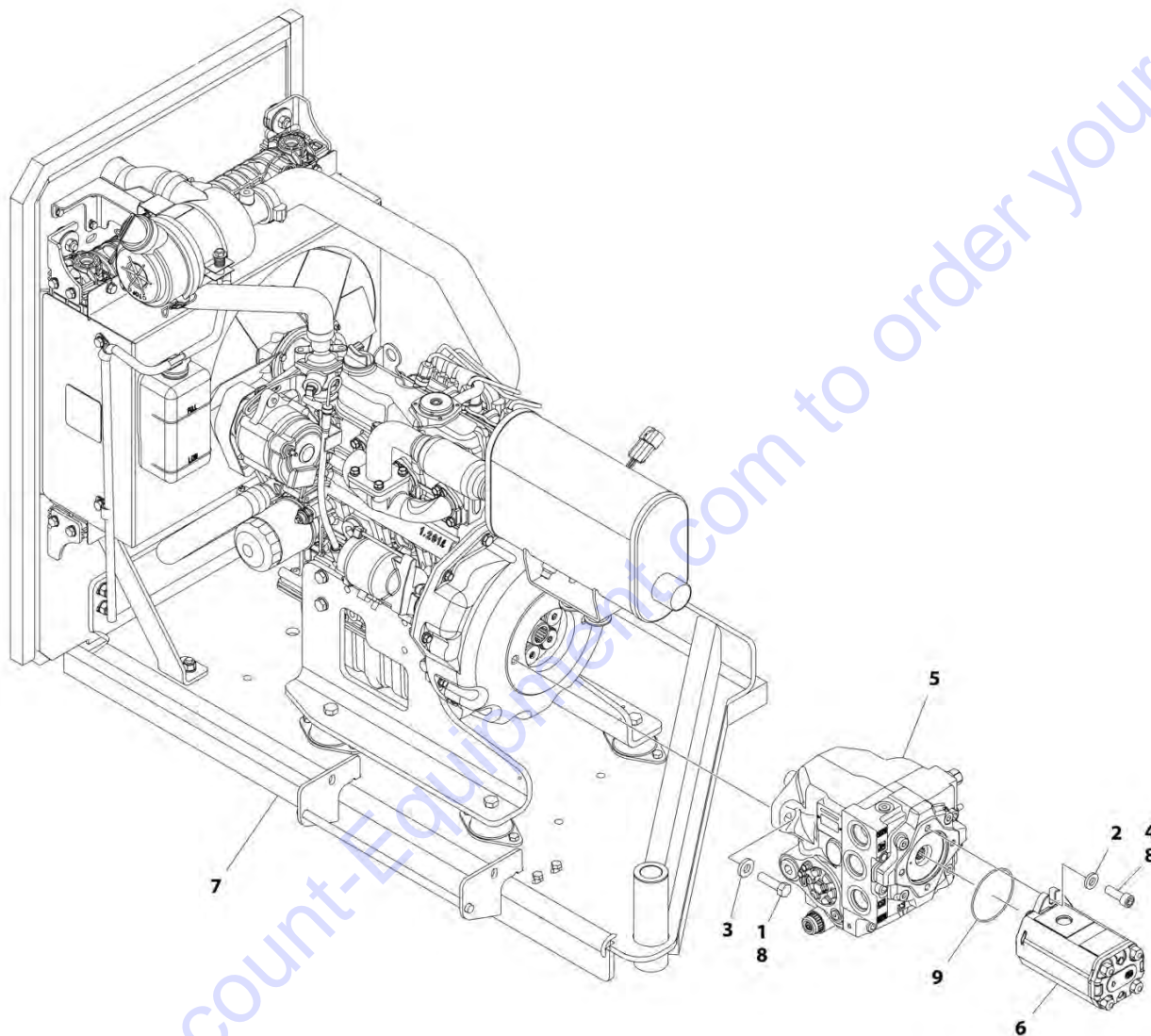
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001165035	5.5 ft / 1.7m	Hose	
46	1001186428	1	Battery Cable Kit - Diesel (See Separate Breakdown in ELECTRICAL SECTION)	
47	0100011	AR	Compound, Locking	
49	1001190545	1	Strainer, Fuel	
50	1001191146	1	Bracket	
51	4812300	2	Washer M6	
52	0100020	AR	Sealant	
53	8303511	1	Capscrew M10 x 20	
54	1001183421	1	Foam, Baffle	

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FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F (SN E20000676 through E20000722)



ART_1001184498

SECTION 3 - ENGINE

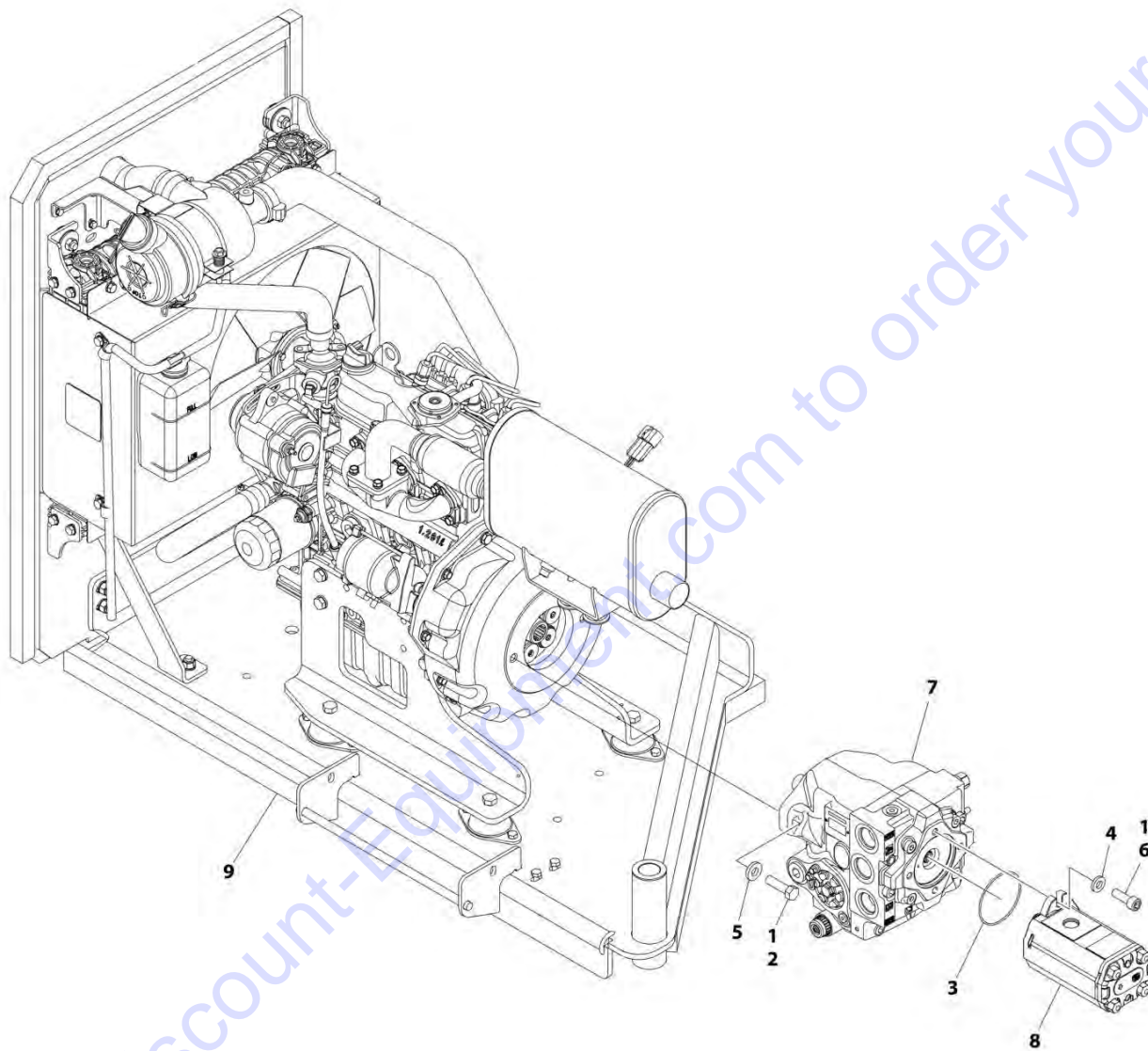
FIGURE 3-9. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F (SN E200000676 through E200000722)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184498	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F	E
1	0641814	2	Bolt 1/2 x 1-3/4	
2	4891600	2	Washer 3/8	
3	4891800	2	Washer 1/2	
4	83191040	2	Capscrew M10 x 30	
5	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
6	1001181393	1	Gear Pump Assembly	
6	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
7	1001184392	NLA	Engine Assembly - Kubota Diesel T4F (Use p/n 1001238775) (See Separate Breakdown in this Section)	
7	1001238775	1	Engine Assembly - Kubota Diesel T4F (See Separate Breakdown in this Section)	
8	0100011	AR	Compound, Locking	
9	3790152	1	O-Ring	

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FIGURE 3-10. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F (SN E200000723 to Present)



ART_1001238776

SECTION 3 - ENGINE

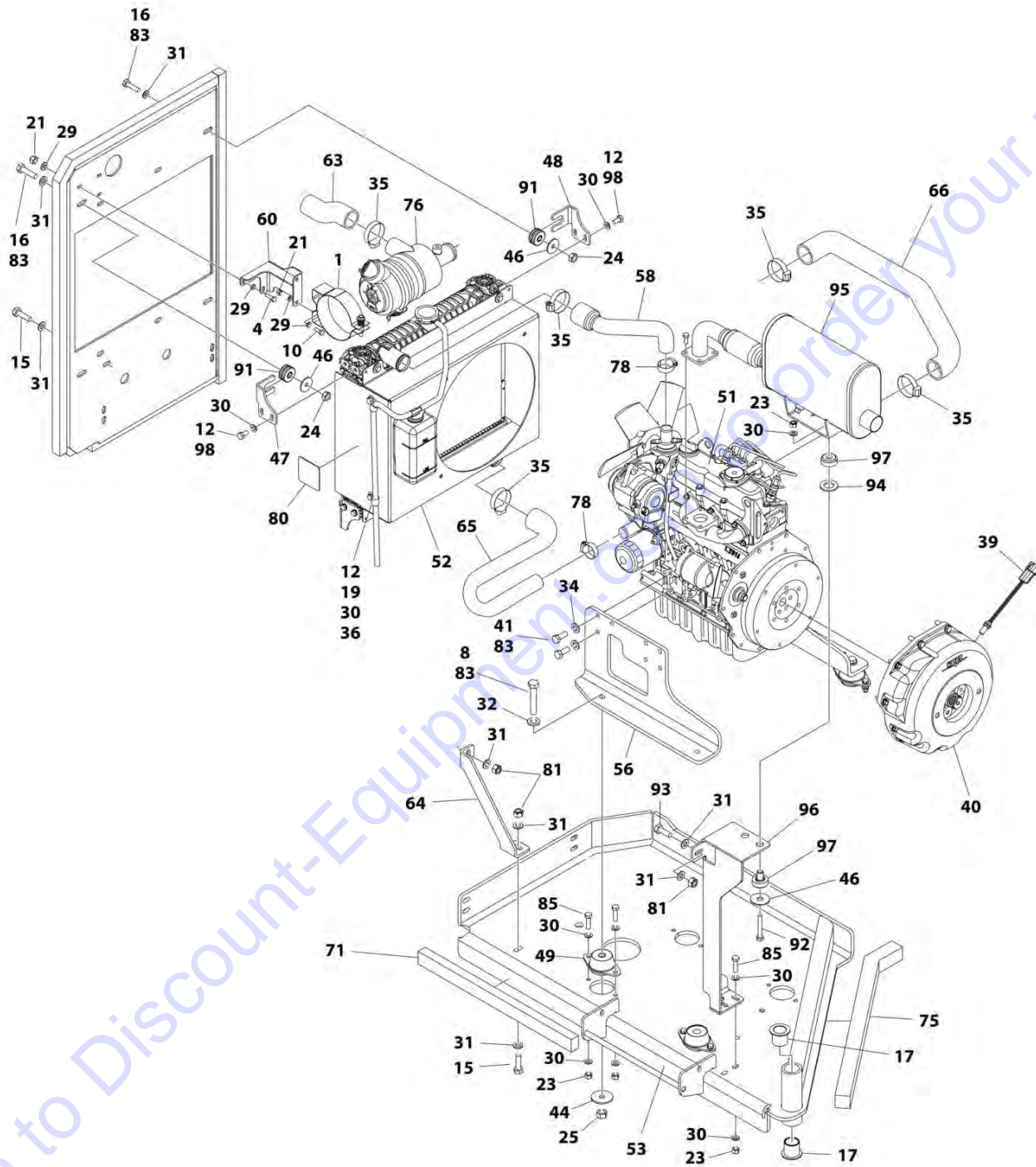
FIGURE 3-10. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F (SN E20000723 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238776	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	3790152	1	O-Ring	
4	4891600	2	Washer 3/8	
5	4891800	2	Washer 1/2	
6	83191040	2	Capscrew M10 x 30	
7	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
8	1001181393	1	Gear Pump Assembly	
8	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
9	1001238775	1	Engine Assembly - Kubota Diesel T4F (See Separate Breakdown in this Section)	

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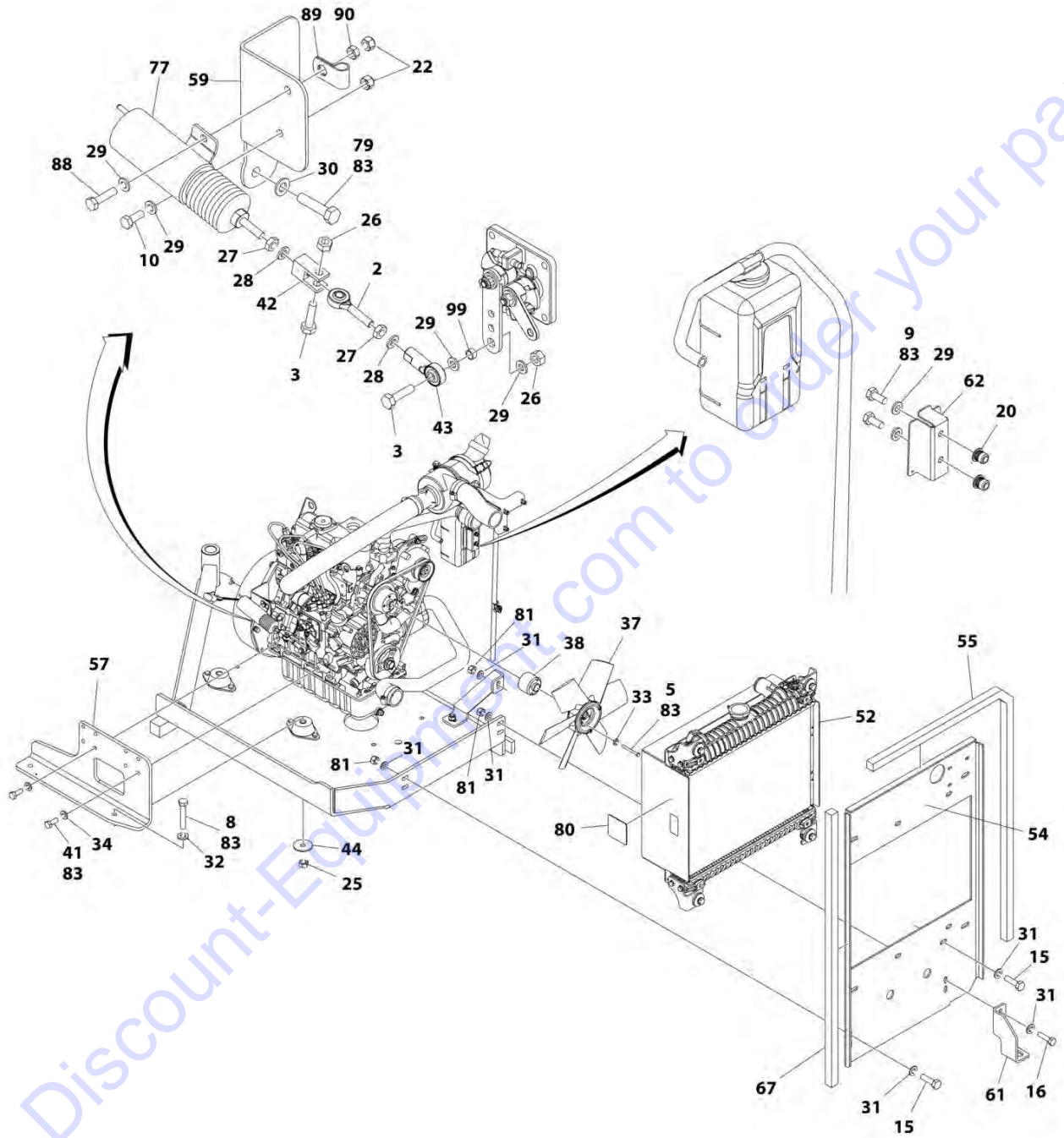
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FIGURE 3-11. ENGINE ASSEMBLY - KUBOTA DIESEL T4F (SN E200000676 through E200000722)



ART_1001184392_10F2

SECTION 3 - ENGINE



ART_1001184392_20F2

SECTION 3 - ENGINE

FIGURE 3-11. ENGINE ASSEMBLY - KUBOTA DIESEL T4F (SN E200000676 through E200000722)

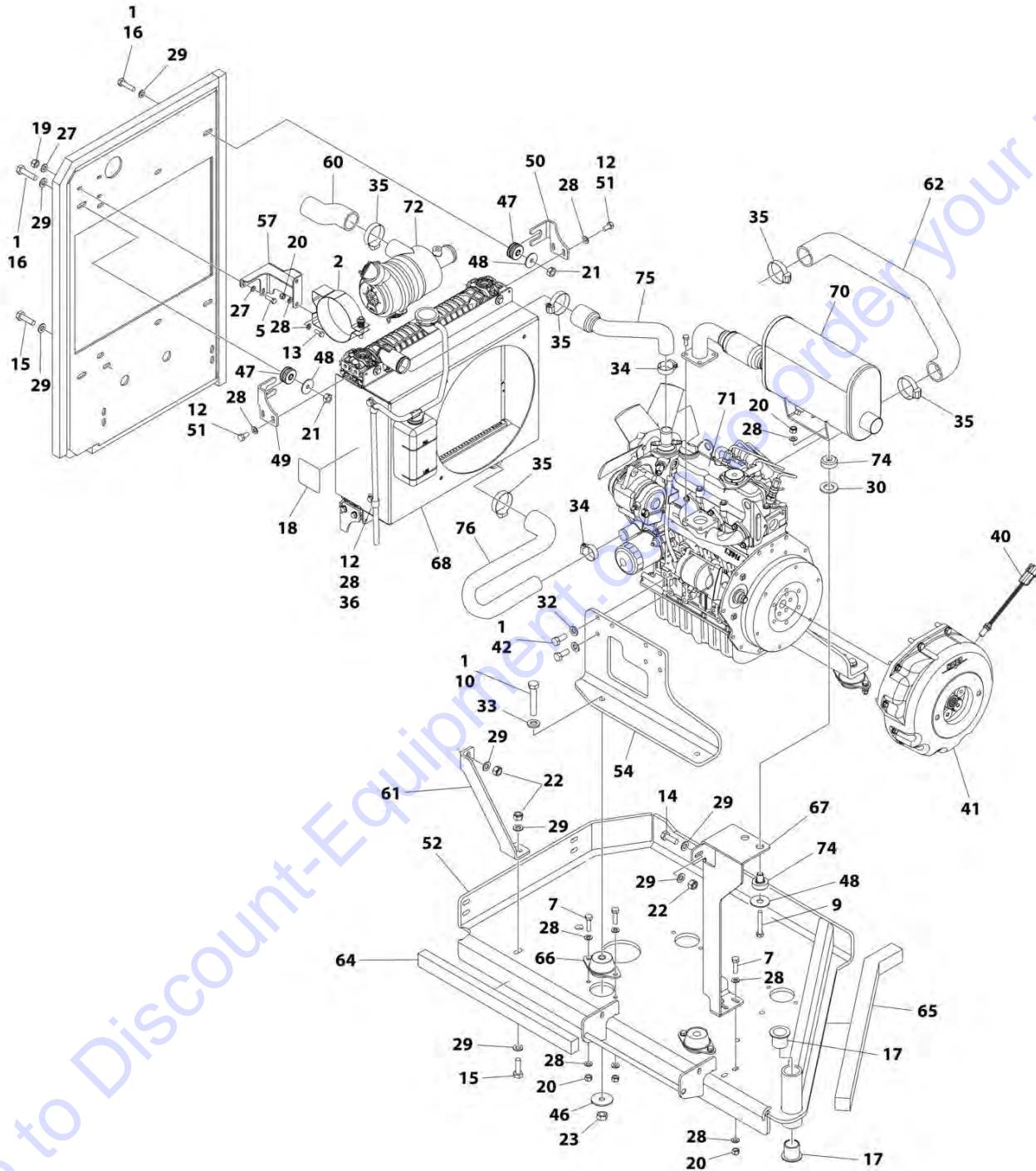
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184392	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL T4F	O
1	0340045	1	Band, Mounting	
2	0440334	1	Bearing	
3	0641408	2	Bolt 1/4 x 1	
4	0700610	AR	Bolt M6 x 20	
5	0700620	4	Bolt M6 x 60	
8	0701222	4	Bolt M12 x 70	
9	0760607	2	Bolt M6 x 14	
10	0760608	AR	Bolt M6 x 16	
10	0760610	AR	Bolt M6 x 20	
12	0760808	10	Bolt M8 x 16	
15	0761015	4	Bolt M10 x 35	
16	0761016	6	Bolt M10 x 40	
17	0961986	2	Bearing, Flange	
19	1001191832	AR	Nut M8	
20	1001176636	AR	Nut M6	
21	3290605	AR	Nut M6	
23	3290805	AR	Nut M8	
24	3291001	4	Nut M10	
25	3291201	4	Nut M12	
26	3311405	2	Nut 1/4	
27	3321402	2	Nut 1/4	
28	4761400	2	Washer 1/4	
29	4811700	AR	Washer M6	
30	4811900	AR	Washer M8	
31	4812000	18	Washer M10	
32	5241200	4	Washer M12	
33	5240600	4	Washer M6	
34	5241000	8	Washer M10	
35	8405104	5	Clamp	
36	85941016	2	Clamp	
37	1001118538	1	Fan	
38	1001118539	1	Fan, Spacer	
39	1001118580	1	Sensor, Speed	
40	1001118675	1	Housing, Coupling Kit (See Separate Breakdown in this Section)	
41	1001118746	8	Bolt M10 x 25	
42	1001118881	1	Clevis, Linkage	
43	1001118925	1	Bearing	
44	1001168018	4	Washer	
46	1001169138	6	Pad	
47	1001169967	2	Bracket, Radiator	
48	1001170035	2	Bracket, Radiator	
49	1001187235	4	Mount, Motor	
51	1001224430	NLA	Engine Components - Kubota Diesel T4F (Use p/n 1001238770) (See Separate Breakdown in this Section)	
51	1001238770	1	Engine Components - Kubota Diesel T4F (See Separate Breakdown in this Section)	
52	1001220957	1	Radiator	
53	1001181649	1	Tray, Engine	
54	1001181658	1	Plate, Radiator Mounting	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	1001227285	1	Seal	
56	1001182976	1	Mount, Engine (LH)	
57	1001182977	1	Mount, Engine (RH)	
58	1001182978	1	Tube, Inlet	
59	1001182979	1	Bracket, Throttle Cylinder	
60	1001182980	1	Bracket, Air Cleaner	
61	1001182981	1	Bracket, Tray	
62	1001182982	1	Mount	
63	1001182983	1	Tube, Intake	
64	1001182984	1	Bracket, Support	
65	1001182985	1	Tube, Outlet	
66	1001182987	1	Tube, Air Intake	
67	1001183420	1	Foam, Baffle	
71	1001183424	1	Foam, Baffle	
75	1001184066	1	Foam, Baffle	
76	1001118280	1	Air Filter Assembly	
76	7015004	2	Element	
76	7015005	1	Cover Assembly	
76	1340069	1	Valve, Vacuator	
77	1001118582	1	Actuator, Throttle	
78	8405101	2	Clamp	
79	0700815	2	Bolt M8 x 35	
80	1703162	2	Decal - Fan Blade	
81	3291005	7	Nut M10	
83	0100011	AR	Compound, Locking	
85	0700814	10	Bolt M8 x 30	
88	0760612	AR	Bolt M6 x 25	
89	90021705	1	Clamp, Support	
90	3290601	AR	Nut M6	
91	1001169054	4	Isolator, Radiator	
92	0700819	2	Bolt M8 x 55	
93	0761014	1	Bolt M10 x 30	
94	4812500	2	Washer M20	
95	1001234950	1	Muffler	
96	1001195600	1	Bracket, Muffler	
97	1001125248	2	Mount, Engine	
98	1001180620	AR	Compound, Locking	
99	1001128888	AR	Washer	

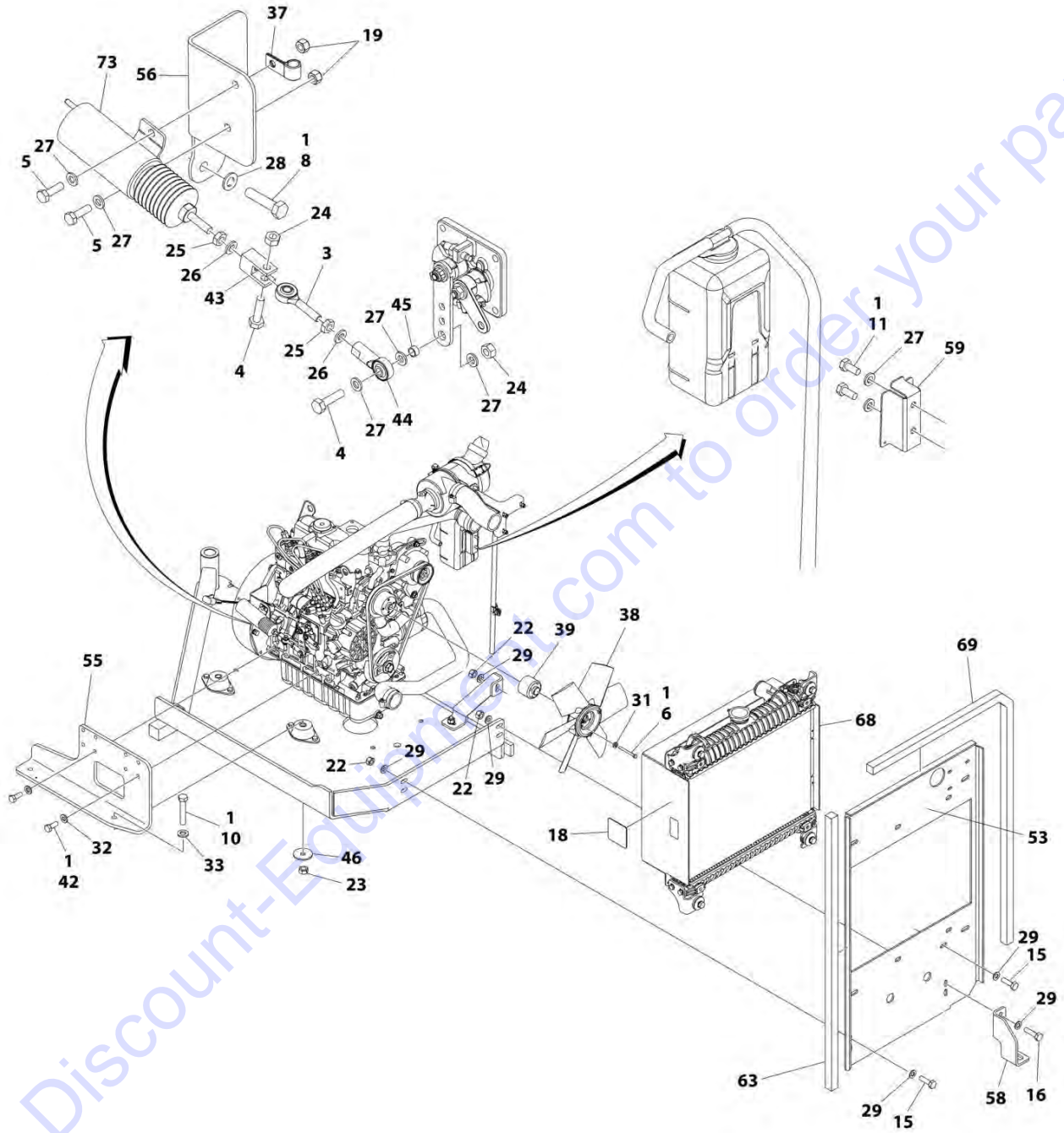
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FIGURE 3-12. ENGINE ASSEMBLY - KUBOTA DIESEL T4F (SN E200000723 to Present)



ART_1001238775_10F2

SECTION 3 - ENGINE



ART_1001238775_20F2

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FIGURE 3-12. ENGINE ASSEMBLY - KUBOTA DIESEL T4F (SN E200000723 to Present)

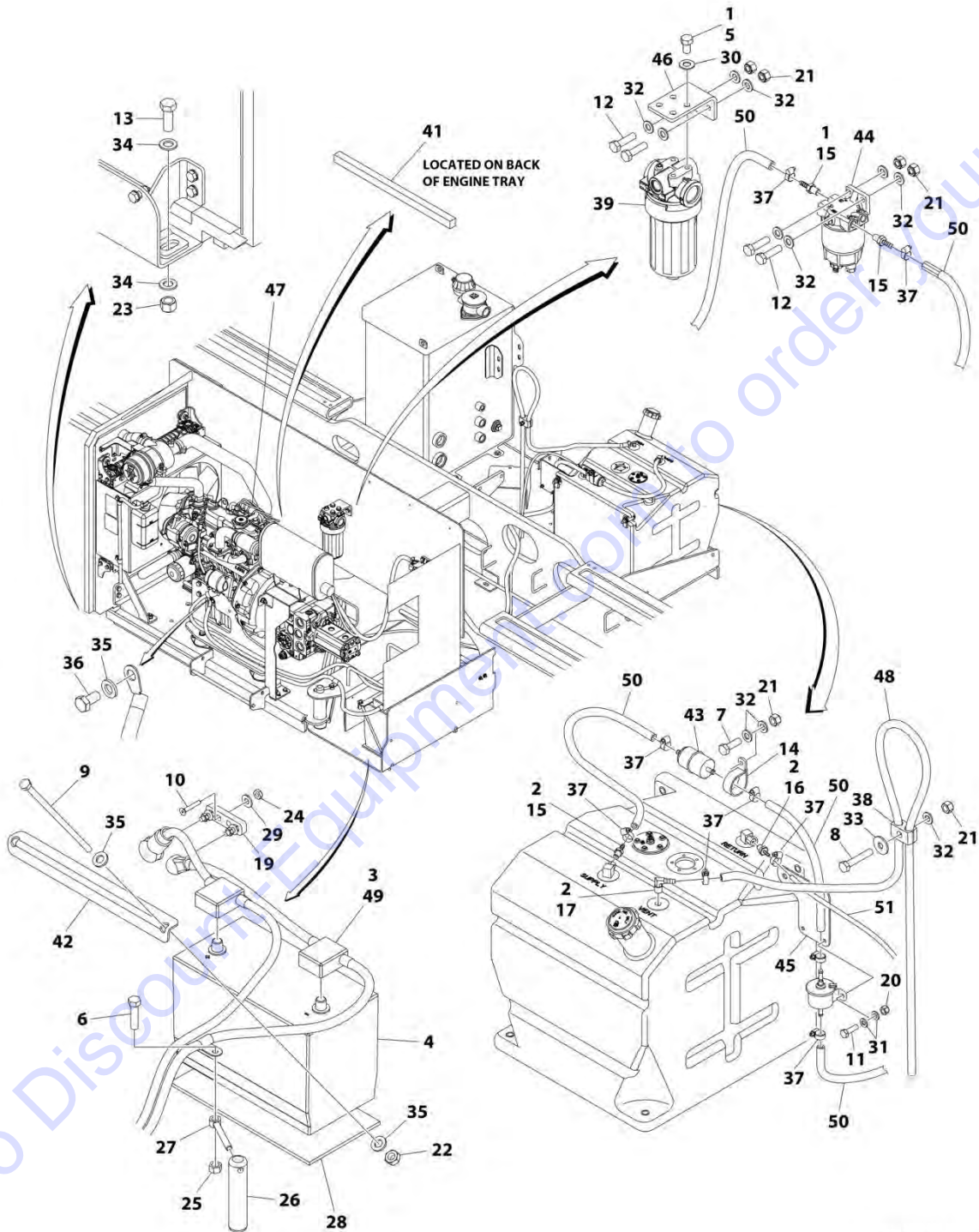
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238775	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL T4F	B
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0440334	1	Bearing	
4	0641408	2	Bolt 1/4 x 1	
5	0700610	5	Bolt M6 x 20	
6	0700620	4	Bolt M6 x 60	
7	0700814	10	Bolt M8 x 30	
8	0700815	2	Bolt M8 x 35	
9	0700819	2	Bolt M8 x 55	
10	0701222	4	Bolt M12 x 70	
11	0760607	2	Bolt M6 x 14	
12	0760608	10	Bolt M6 x 16	
13	0760810	AR	Bolt M8 x 20	
14	0761014	1	Bolt M10 x 30	
15	0761015	4	Bolt M10 x 35	
16	0761016	6	Bolt M10 x 40	
17	0961986	2	Bearing, Flange	
18	1703162	2	Decal - Fan Blade	
19	3290605	5	Nut M6	
20	3290805	14	Nut M8	
21	3291001	4	Nut M10	
22	3291005	7	Nut M10	
23	3291201	4	Nut M12	
24	3311405	2	Nut 1/4	
25	3321402	2	Nut 1/4	
26	4761400	2	Washer 1/4	
27	4811700	13	Washer M6	
28	4811900	38	Washer M8	
29	4812000	18	Washer M10	
30	4812500	2	Washer M20	
31	5240600	4	Washer M6	
32	5241000	8	Washer M10	
33	5241200	4	Washer M12	
34	8405101	2	Clamp	
35	8405104	5	Clamp	
36	85941016	2	Clamp	
37	90021705	1	Clamp, Support	
38	1001118538	1	Fan	
39	1001118539	1	Fan, Spacer	
40	1001118580	1	Sensor, Speed	
41	1001118675	1	Housing, Coupling Kit (See Separate Breakdown in this Section)	
42	1001118746	8	Bolt M10 x 25	
43	1001118881	1	Clevis, Linkage	
44	1001118925	1	Bearing	
45	1001128888	1	Washer	
46	1001168018	4	Washer	
47	1001169054	4	Isolator, Radiator	
48	1001169138	6	Pad	
49	1001169967	2	Bracket, Radiator	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001170035	2	Bracket, Radiator	
51	1001180620	AR	Compound, Locking	
52	1001181649	1	Tray, Engine	
53	1001181658	1	Plate, Radiator Mounting	
54	1001182976	1	Mount, Engine (LH)	
55	1001182977	1	Mount, Engine (RH)	
56	1001182979	1	Bracket, Throttle Cylinder	
57	1001182980	1	Bracket, Air Cleaner	
58	1001182981	1	Bracket, Tray	
59	1001182982	1	Mount	
60	1001182983	1	Tube, Intake	
61	1001182984	1	Bracket, Support	
62	1001182987	1	Tube, Air Intake	
63	1001183420	1	Foam, Baffle (SN E200000723 through E200000784)	
63	1001247403	1	Foam, Baffle (SN E200000785 to Present)	
64	1001183424	1	Foam, Baffle	
65	1001184066	1	Foam, Baffle	
66	1001187235	4	Mount, Motor	
67	1001195600	1	Bracket, Muffler	
68	1001220957	1	Radiator	
69	1001227285	1	Seal	
70	1001234950	1	Muffler	
71	1001238770	1	Engine Components - Kubota Diesel T4F (See Separate Breakdown in this Section)	
72	1001118280	1	Air Filter Assembly	
72	7015004	2	Element	
73	1001118582	1	Actuator, Throttle	
74	1001125248	2	Mount, Engine	
75	1001182978	1	Tube, Inlet	
76	1001182985	1	Tube, Outlet	

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FIGURE 3-13. ENGINE INSTALLATION - KUBOTA DIESEL T4F WITH GENERATOR



ART_1001231712

SECTION 3 - ENGINE

FIGURE 3-13. ENGINE INSTALLATION - KUBOTA DIESEL T4F WITH GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231712	Ref	ENGINE INSTALLATION - KUBOTA DIESEL T4F	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100051	AR	Grease, Battery Terminal	
4	0400075	1	Battery	
5	0641605	4	Bolt 3/8 x 5/8	
5	0761010	3	Bolt M10 x 20	
6	0641612	1	Bolt 3/8 x 1-1/2	
7	0700812	1	Bolt M8 x 25	
8	0700817	1	Bolt M8 x 45	
9	0701047	2	Bolt M10 x 300	
10	0741010	2	Screw #10 x 1-1/4	
11	0760610	2	Bolt M8 x 20	
12	0760814	4	Bolt M8 x 30	
13	0761617	1	Bolt M16 x 45	
14	1320265	1	Clamp	
15	2180348	3	Fitting, NPT/Barbed	
16	2180666	1	Fitting, NPT/Barbed	
17	2220313	1	Fitting, 90° NPTF/Barbed	
18	2300004	AR	Coolant (Not Shown)	
19	2400044	1	Fuse, Mounting Block	
20	3290605	2	Nut M6	
21	3290805	6	Nut M8	
22	3291001	2	Nut M10	
23	3291605	1	Nut M16	
24	3300408	2	Nut	
25	3311605	1	Nut 3/8	
26	3422669	1	Pin	
27	3841143	1	Keeper, Pin	
28	3980007	1	Seat, Battery	
29	4711400	2	Washer 1/4	
30	4711600	4	Washer 3/8	
30	4812000	3	Washer M10	
31	4811700	4	Washer M6	
32	4811900	11	Washer M8	
33	4811902	1	Washer M8	
34	4812300	2	Washer M6	
35	5241000	5	Washer M10	
36	8303511	1	Capscrew M10 x 20	
37	8405009	11	Clamp	
38	8750014	1	Clamp	
39	1001102987	1	Filter, Charge Pump (SN E200000676 through E200000722)	
39	70010383	1	Element, Filter	
39	1001208874	1	Filter, Charge Pump (SN E200000723 to Present)	
39	70010383	1	Element, Filter	
40	1001159301	AR	Oil, Engine (Not Shown)	
41	1001183421	1	Foam, Baffle	
42	1001184065	1	Bracket, Hold Down	
43	1001190545	1	Strainer, Fuel	
44	1001190609	1	Fuel/Water Separator Assembly (See Separate Breakdown in this	

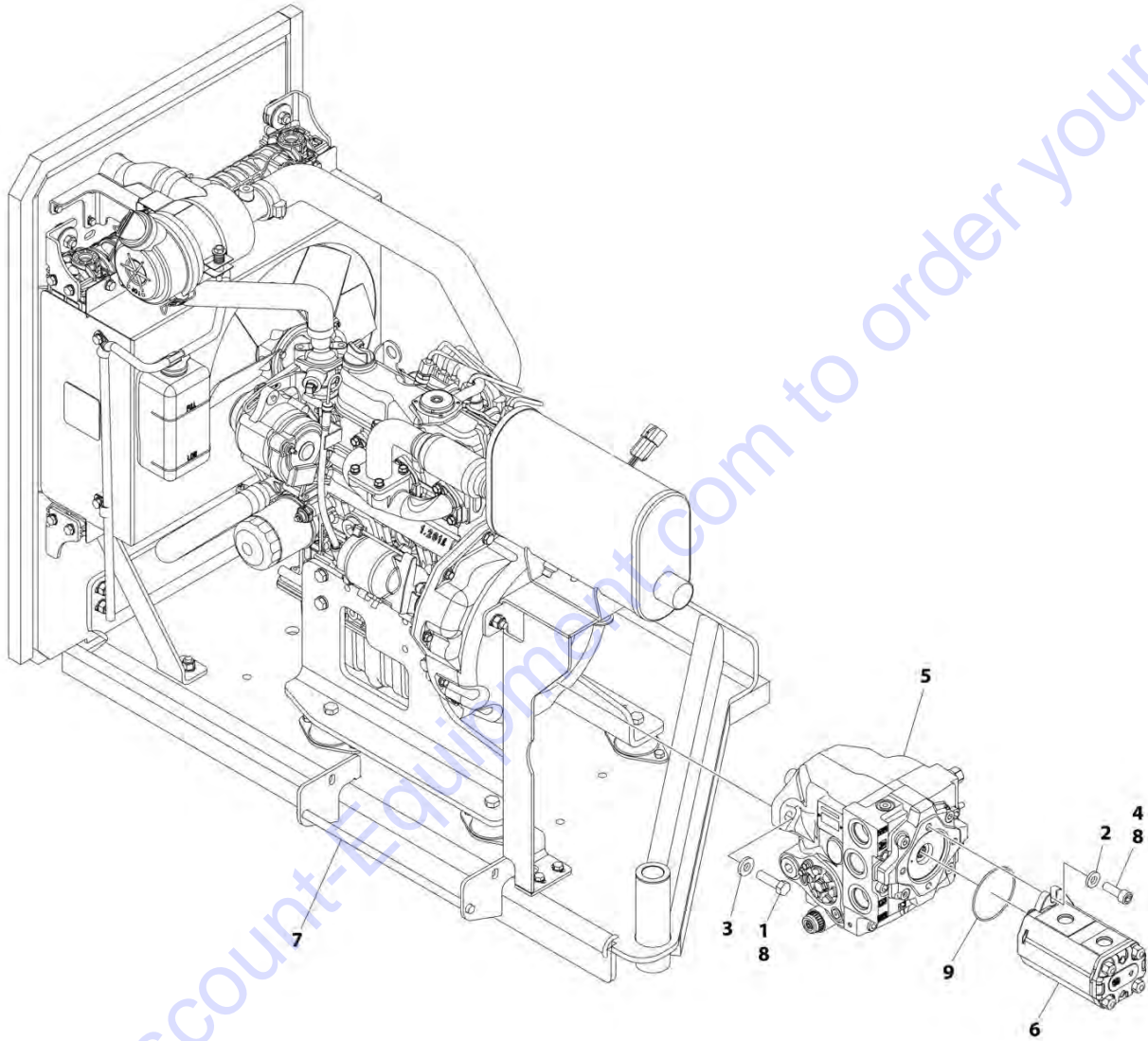
SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1001191146	1	Section) Bracket	
46	1001194836	1	Bracket	
47	1001231713	NLA	Engine and Pump Sub-Assembly (Use p/n 1001238778) (See Separate Breakdown in this Section) (SN E200000676 through E200000722)	
47	1001238778	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section) (SN E200000723 to Present)	
48	1001165035	5.5 ft/ 1.7m	Hose	
49	1001186428	1	Battery Cable Kit - Diesel (See Separate Breakdown in ELECTRICAL SECTION)	
50	2720058	14.5 ft/ 4.4m	Hose	
51	2720271	18 ft/ 5.4m	Hose	

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FIGURE 3-14. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000676 through E200000722)



ART_1001231713

SECTION 3 - ENGINE

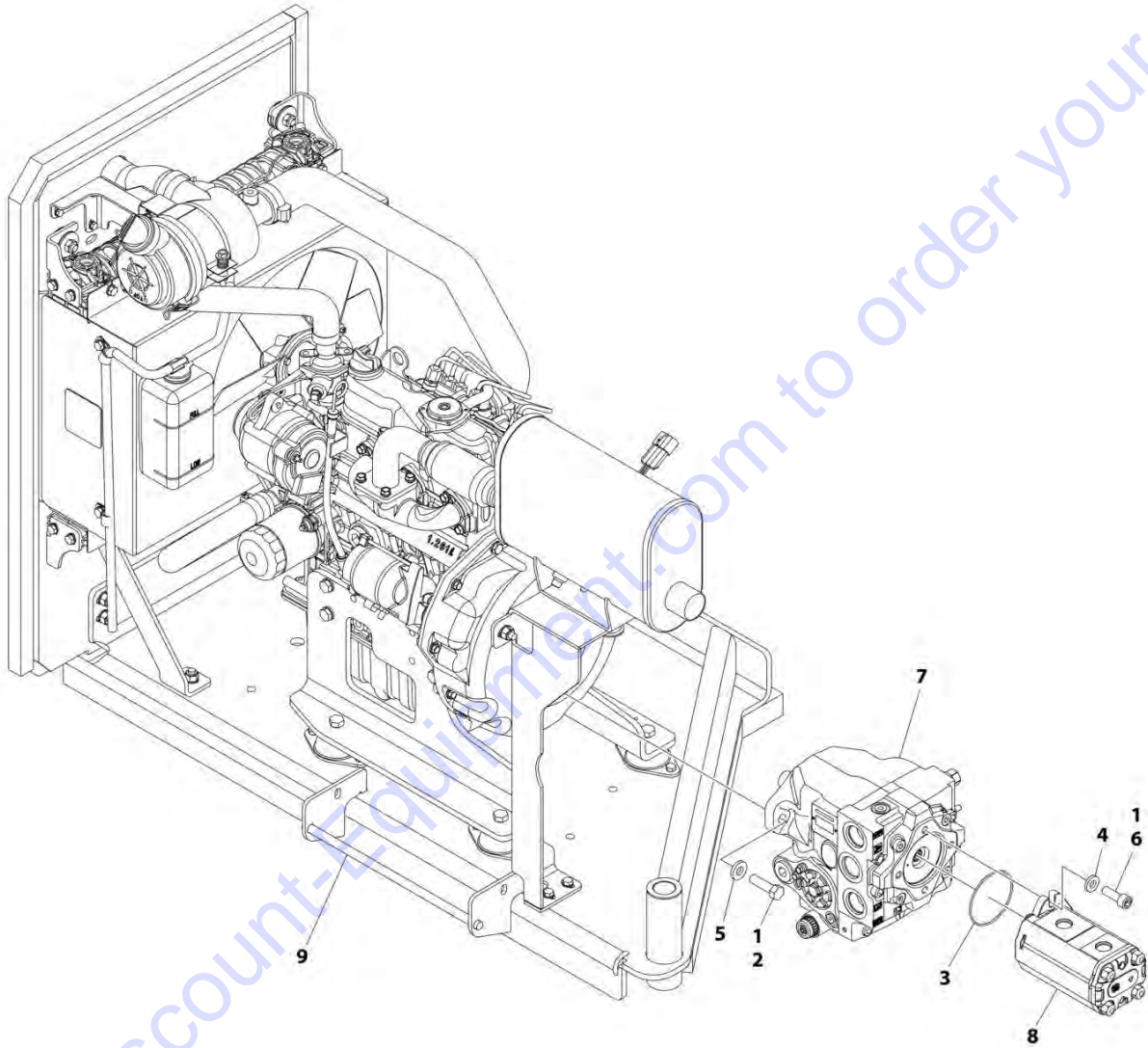
FIGURE 3-14. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000676 through E200000722)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231713	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F	B
1	0641814	2	Bolt 1/2 x 1-3/4	
2	4891600	2	Washer 3/8	
3	4891800	2	Washer 1/2	
4	83191040	2	Capscrew M10 x 30	
5	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
6	1001181393	1	Gear Pump Assembly	
6	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
7	1001231714	NLA	Engine Assembly - Kubota Diesel T4F (Use p/n 1001238777) (See Separate Breakdown in this Section)	
7	1001238777	1	Engine Assembly - Kubota Diesel T4F (See Separate Breakdown in this Section)	
8	0100011	AR	Compound, Locking	
9	3790152	1	O-Ring	

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FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000723 to Present)



ART_1001238778

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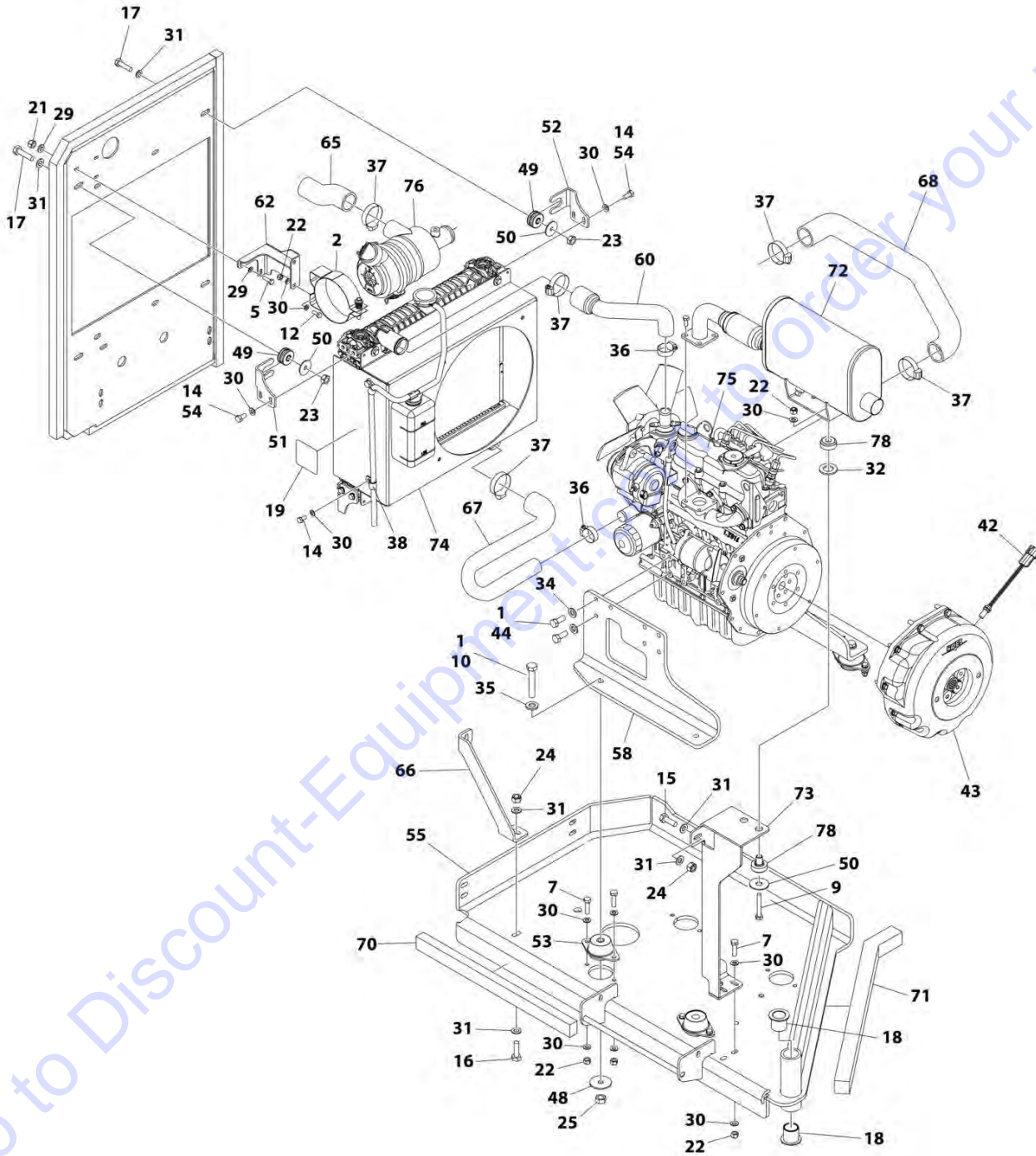
FIGURE 3-15. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000723 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238778	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA DIESEL T4F	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	3790152	1	O-Ring	
4	4891600	2	Washer 3/8	
5	4891800	2	Washer 1/2	
6	83191040	2	Capscrew M10 x 30	
7	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
8	1001181393	1	Gear Pump Assembly	
8	7023929	1	Seal Kit - 1001181393 Pump (Note: Seal Kit is only service component available)	
9	1001238777	1	Engine Assembly - Kubota Diesel T4F (See Separate Breakdown in this Section)	

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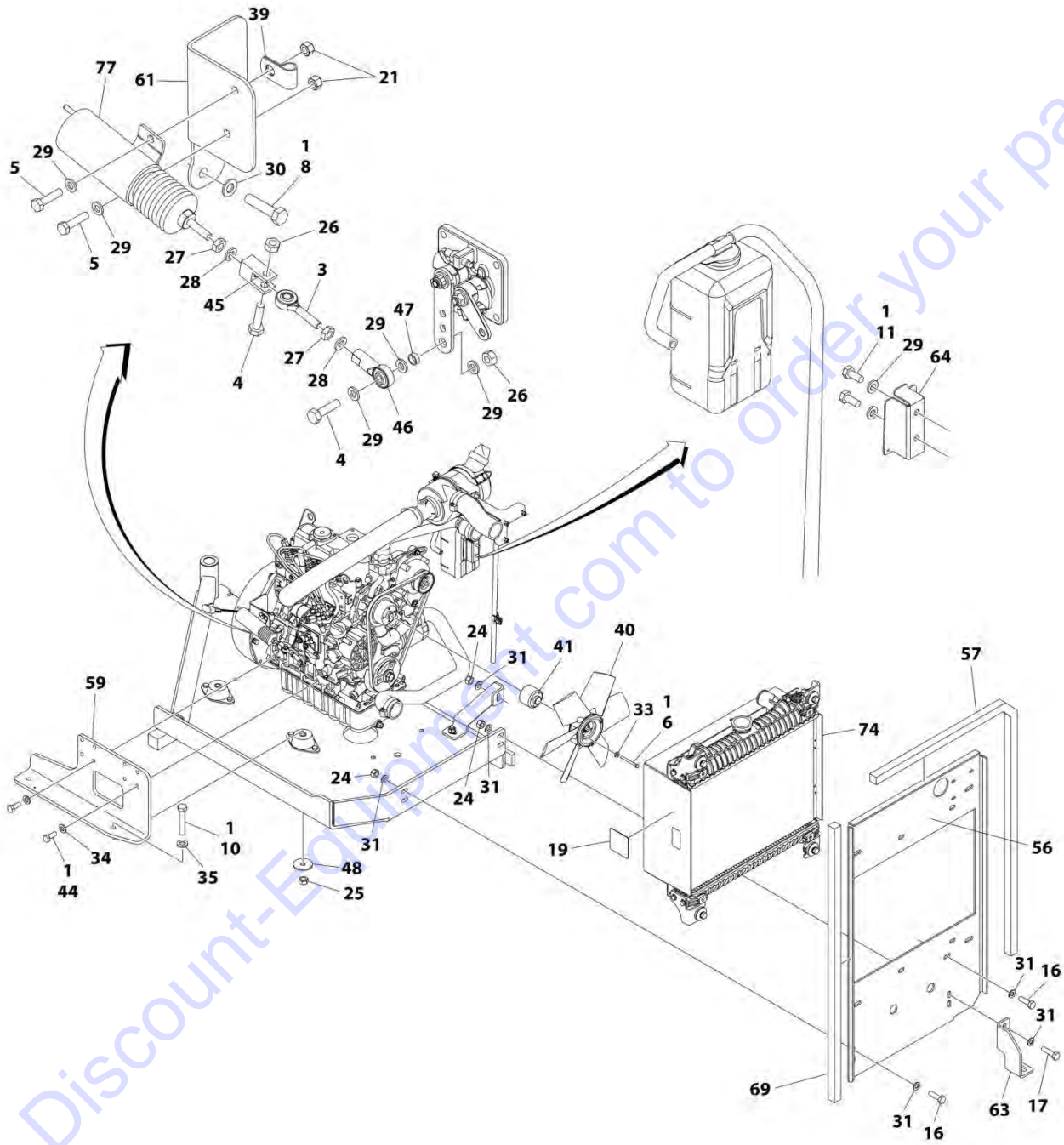
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FIGURE 3-16. ENGINE ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000676 through E200000722)



ART_1001231714_10F2

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ART_1001231714_20F2

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FIGURE 3-16. ENGINE ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000676 through E200000722)

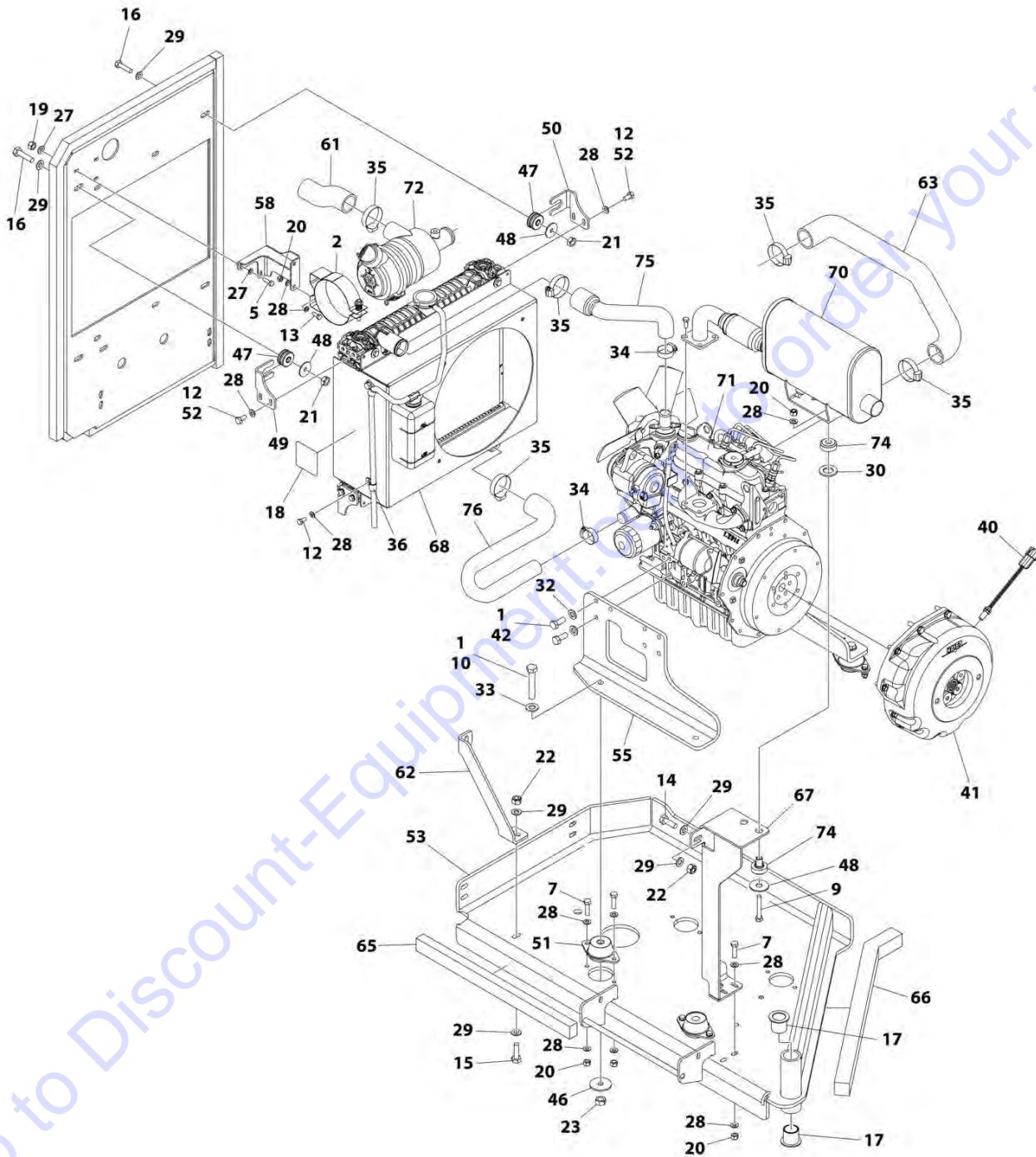
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231714	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL T4F	C
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0440334	1	Bearing	
4	0641408	2	Bolt 1/4 x 1	
5	0700610	5	Bolt M6 x 20	
6	0700620	4	Bolt M6 x 60	
7	0700814	10	Bolt M8	
8	0700815	2	Bolt M8 x 35	
9	0700819	2	Bolt, M8 x 55	
10	0701222	4	Bolt M12 x 70	
11	0760607	2	Bolt M6 x 14	
12	0760810	2	Bolt M8 x 20	
14	0760808	10	Bolt M8 x 16	
15	0761014	1	Bolt M10 x 30	
16	0761015	4	Bolt M10 x 35	
17	0761016	6	Bolt M10 x 40	
18	0961986	2	Bearing, Flange	
19	1703162	2	Decal - Fan Blade	
21	3290605	5	Nut M6	
22	3290805	14	Nut M8	
23	3291001	4	Nut M10	
24	3291005	7	Nut M10	
25	3291201	4	Nut M12	
26	3311405	2	Nut 1/4	
27	3321402	2	Nut 1/4	
28	4761400	2	Washer 1/4	
29	4811700	13	Washer M6	
30	4811900	38	Washer M8	
31	4812000	18	Washer M10	
32	4812500	2	Washer M20	
33	5240600	4	Washer M6	
34	5241000	8	Washer M10	
35	5241200	4	Washer M12	
36	8405101	2	Clamp	
37	8405104	5	Clamp	
38	85941016	2	Clamp	
39	90021705	1	Clamp, Support	
40	1001118538	1	Fan	
41	1001118539	1	Spacer, Fan	
42	1001118580	1	Sensor, Speed	
43	1001118675	1	Coupling Kit (See Separate Breakdown in this Section)	
44	1001118746	8	Bolt M10 x 25	
45	1001118881	1	Clevis, Linkage	
46	1001118925	1	Bearing	
47	1001128888	1	Washer	
48	1001168018	4	Washer	
49	1001169054	4	Isolator, Radiator	
50	1001169138	6	Pad	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001169967	2	Bracket, Radiator	
52	1001170035	2	Bracket, Radiator	
53	1001175509	4	Mount, Motor	
54	1001180620	AR	Compound, Locking	
55	1001181649	1	Tray, Engine	
56	1001181658	1	Plate, Radiator Mounting	
57	1001227285	1	Seal	
58	1001182976	1	Mount, Engine (LH)	
59	1001182977	1	Mount, Engine (RH)	
60	1001182978	1	Tube, Inlet	
61	1001182979	1	Bracket, Throttle Cylinder	
62	1001182980	1	Bracket, Air Cleaner	
63	1001182981	1	Bracket, Tray	
64	1001182982	1	Mount	
65	1001182983	1	Tube, Intake	
66	1001182984	1	Bracket, Support	
67	1001182985	1	Tube, Outlet	
68	1001182987	1	Tube, Air Intake	
69	1001183420	1	Foam, Baffle	
70	1001183424	1	Foam, Baffle	
71	1001184066	1	Foam, Baffle	
72	1001234950	1	Muffler	
73	1001195600	1	Bracket, Muffler	
74	1001220957	1	Radiator	
75	1001224430	NLA	Engine Components - Kubota Diesel T4F (Use p/n 1001238770) (See Separate Breakdown in this Section)	
75	1001238770	1	Engine Components - Kubota Diesel T4F (See Separate Breakdown in this Section)	
76	1001118280	1	Air Filter Assembly	
76	7015004	2	Element	
76	7015005	1	Cover Assembly	
76	1340069	1	Valve, Vacuator	
77	1001118582	1	Actuator, Throttle	
78	1001125248	2	Mount, Engine	

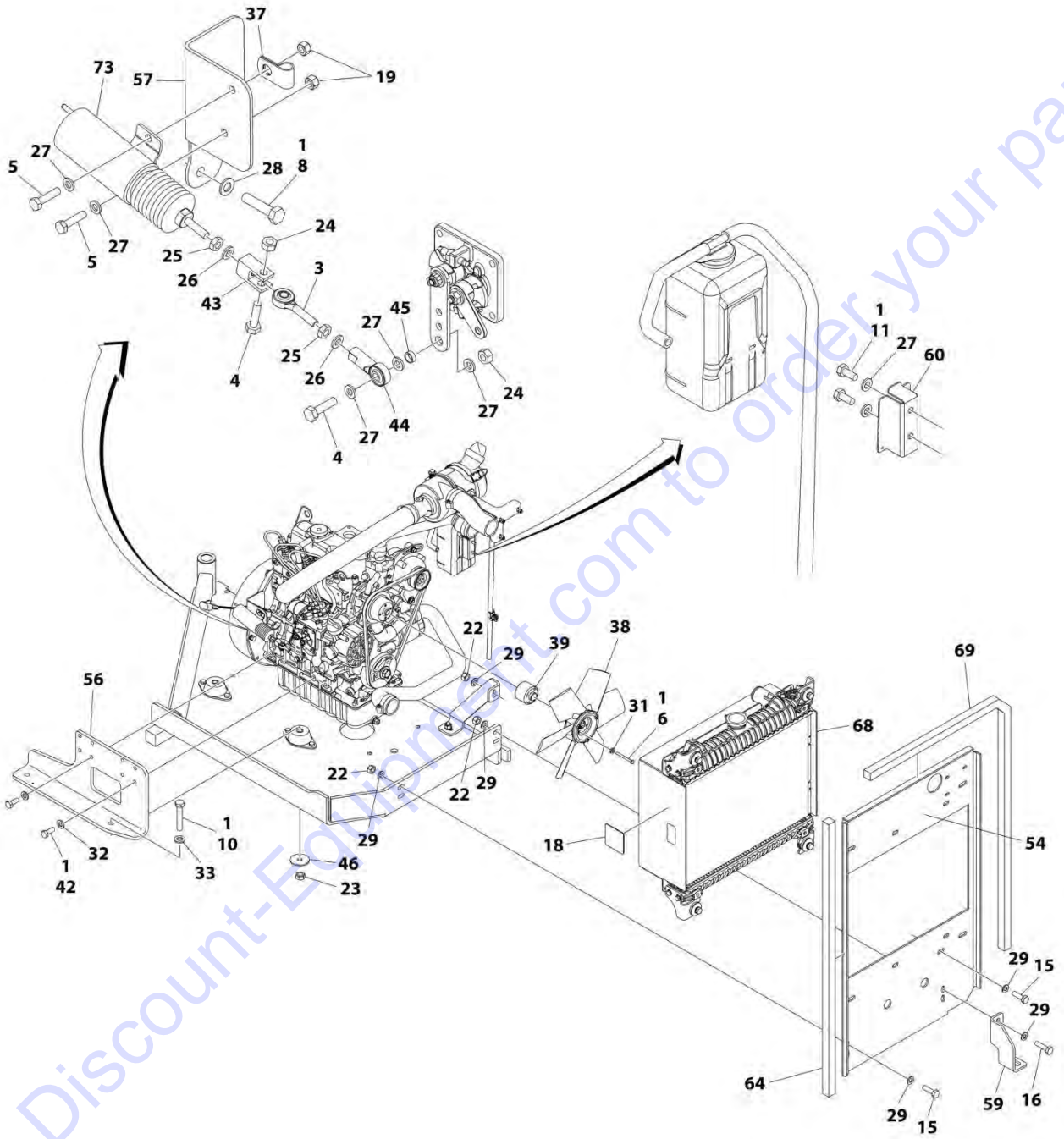
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FIGURE 3-17. ENGINE ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E20000723 to Present)



ART_1001238777_10F2

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ART_1001238777_20F2

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FIGURE 3-17. ENGINE ASSEMBLY - KUBOTA DIESEL T4F WITH GENERATOR (SN E200000723 to Present)

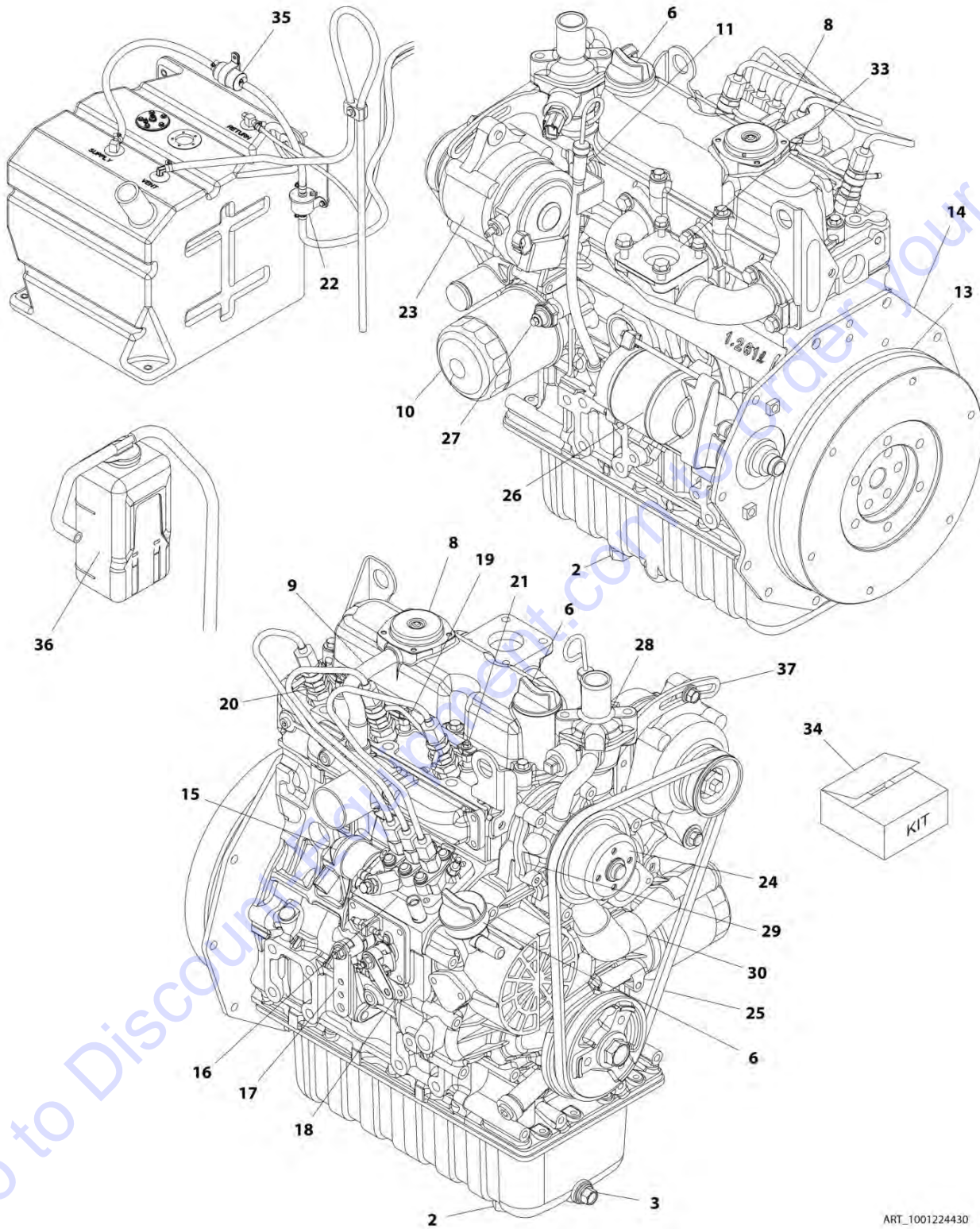
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238777	Ref	ENGINE ASSEMBLY - KUBOTA DIESEL T4F	B
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0440334	1	Bearing	
4	0641408	2	Bolt 1/4 x 1	
5	0700610	5	Bolt M6 x 20	
6	0700620	4	Bolt M6 x 60	
7	0700814	10	Bolt M8	
8	0700815	2	Bolt M8 x 35	
9	0700819	2	Bolt M8 x 55	
10	0701222	4	Bolt M12 x 70	
11	0760607	2	Bolt M6 x 14	
12	0760808	10	Bolt M8 x 16	
13	0760810	2	Bolt M8 x 20	
14	0761014	1	Bolt M10 x 30	
15	0761015	4	Bolt M10 x 35	
16	0761016	6	Bolt M10 x 40	
17	0961986	2	Bearing, Flange	
18	1703162	2	Decal - Fan Blade	
19	3290605	5	Nut M6	
20	3290805	14	Nut M8	
21	3291001	4	Nut M10	
22	3291005	7	Nut M10	
23	3291201	4	Nut M12	
24	3311405	2	Nut 1/4	
25	3321402	2	Nut 1/4	
26	4761400	2	Washer 1/4	
27	4811700	13	Washer M6	
28	4811900	38	Washer M8	
29	4812000	18	Washer M10	
30	4812500	2	Washer M20	
31	5240600	4	Washer M6	
32	5241000	8	Washer M10	
33	5241200	4	Washer M12	
34	8405101	2	Clamp	
35	8405104	5	Clamp	
36	85941016	2	Clamp	
37	90021705	1	Clamp, Support	
38	1001118538	1	Fan	
39	1001118539	1	Spacer, Fan	
40	1001118580	1	Sensor, Speed	
41	1001118675	1	Coupling Kit (See Separate Breakdown in this Section)	
42	1001118746	8	Bolt M10 x 25	
43	1001118881	1	Clevis, Linkage	
44	1001118925	1	Bearing	
45	1001128888	1	Washer	
46	1001168018	4	Washer	
47	1001169054	4	Isolator, Radiator	
48	1001169138	6	Pad	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001169967	2	Bracket, Radiator	
50	1001170035	2	Bracket, Radiator	
51	1001175509	4	Mount, Motor	
52	1001180620	AR	Compound, Locking	
53	1001181649	1	Tray, Engine	
54	1001181658	1	Plate, Radiator Mounting	
55	1001182976	1	Mount, Engine (LH)	
56	1001182977	1	Mount, Engine (RH)	
57	1001182979	1	Bracket, Throttle Cylinder	
58	1001182980	1	Bracket, Air Cleaner	
59	1001182981	1	Bracket, Tray	
60	1001182982	1	Mount	
61	1001182983	1	Tube, Intake	
62	1001182984	1	Bracket, Support	
63	1001182987	1	Tube, Air Intake	
64	1001183420	1	Foam, Baffle (SN E200000723 through E200000784)	
64	1001247403	1	Foam, Baffle (SN E200000785 to Present)	
65	1001183424	1	Foam, Baffle	
66	1001184066	1	Foam, Baffle	
67	1001195600	1	Bracket, Muffler	
68	1001220957	1	Radiator	
69	1001227285	1	Seal	
70	1001234950	1	Muffler	
71	1001238770	1	Engine Components - Kubota Diesel T4F (See Separate Breakdown in this Section)	
72	1001118280	1	Air Filter Assembly	
72	7015004	2	Element	
73	1001118582	1	Actuator, Throttle	
74	1001125248	2	Mount, Engine	
75	1001182978	1	Tube, Inlet	
76	1001182985	1	Tube, Outlet	

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FIGURE 3-18. ENGINE COMPONENTS - KUBOTA DIESEL T4F (SN E200000676 through E200000722)



ART_1001224430

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FIGURE 3-18. ENGINE COMPONENTS - KUBOTA DIESEL T4F (SN E200000676 through E200000722)

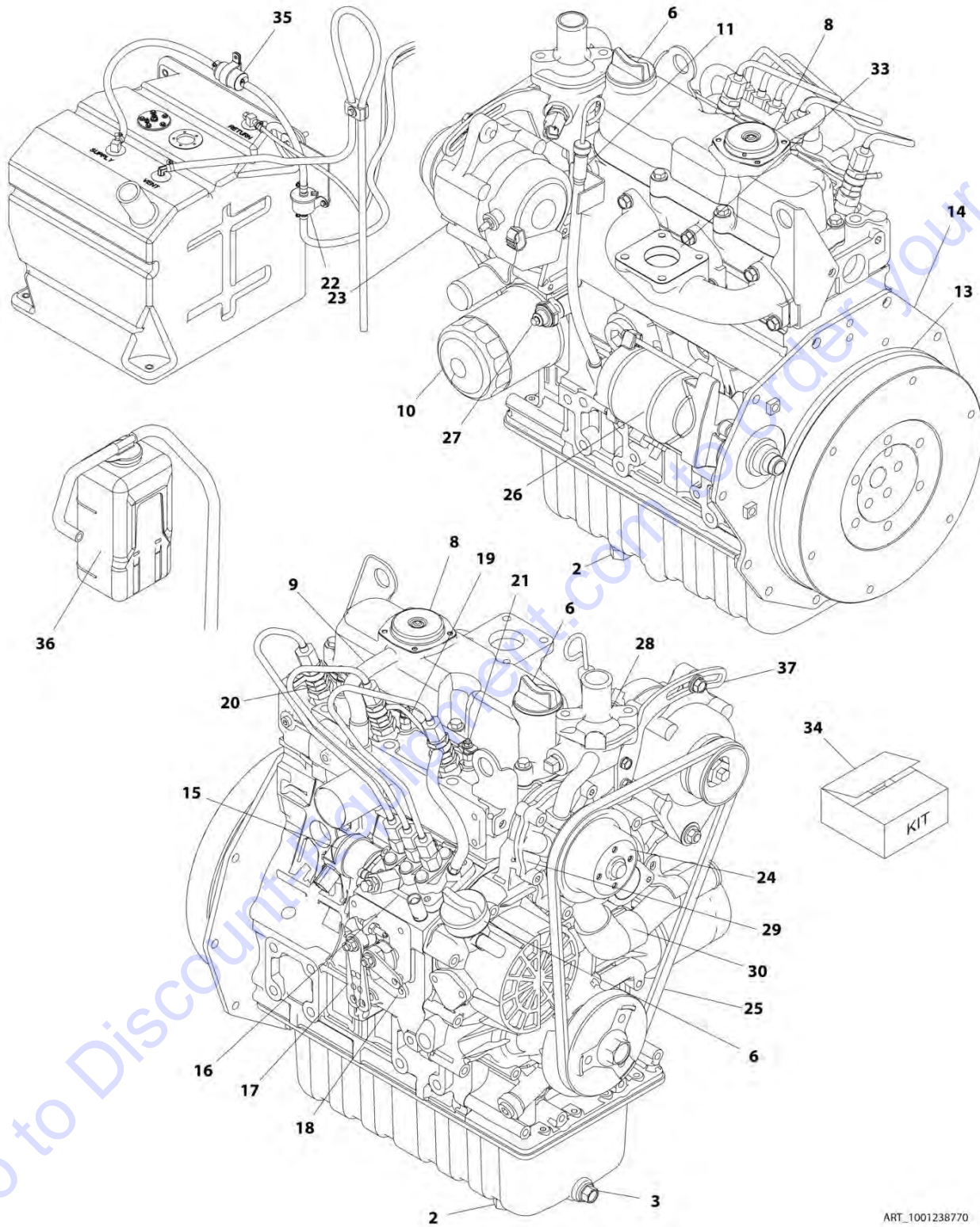
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224430	Ref	ENGINE COMPONENTS - KUBOTA DIESEL T4F	D
1	70004524	1	Drain (Not Shown)	
2	7023154	1	Plug, Drain	
2	70002315	1	Seal, Plug	
3	70004525	1	Plug, Drain	
3	70004526	1	Gasket	
4	70005220	1	Gasket, Cylinder Head (Not Shown)	
5	7017922	1	Seal, Front Main (Not Shown)	
6	70002318	2	Cap, Oil Fill	
6	70004311	2	O-Ring	
7	70005221	1	Gasket, Valve Cover (Not Shown)	
8	70003060	1	Comp Valve, Breather	
8	70003061	1	Cover, Breather	
8	7017934	4	Screw	
9	70002316	1	Pipe, Water Return	
9	70002317	1	Tube, Breather	
9	70004530	1	Clamp, Hose	
9	70004531	1	Band, Pipe	
10	70004395	1	Filter, Oil	
11	70005222	1	Dipstick	
11	70005223	1	Tube, Dipstick	
12	7017928	1	Seal, Rear Main (Not Shown)	
13	70005224	1	Gear, Ring	
14	70002419	1	Plate, Rear End	
15	7025479	1	Solenoid, Stop	
16	7023164	1	Pump, Injection	
16	70002319	1	Shim, Injection	
16	70002320	1	Shim, Injection	
16	70002321	1	Shim, Injection Pump	
16	70002322	1	Shim, Injection Pump	
16	70002323	1	Shim, Injection Pump	
16	7017945	1	Joint, Eye	
17	70004396	1	Control, Speed	
17	70004397	1	Gasket	
18	7023165	1	Gasket	
19	70004536	1	Pipe, Over Flow	
19	70004537	1	Screw, Air Bleeder	
19	70004538	1	Gasket	
19	70004539	1	Pipe, Over Flow	
20	70004399	3	Holder, Nozzle	
20	70004540	3	Nut	
20	7023167	3	Gasket	
20	7023168	3	Seal, Heat	
21	70004398	3	Plug, Glow	
21	70004544	1	Cord, Glow Plug	
22	70005228	1	Electric Fuel Feed Pump	
23	70006661	1	Alternator - 60Amp	
24	7023140	1	Pulley, Fan	
25	70006665	1	V-Belt	
26	7023144	1	Starter	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	7017901	1	Switch, Oil	
28	70004829	1	Pipe, Water Return	
28	7023145	1	Gasket, Flange	
28	7017958	1	Hose, Water Return	
28	7023170	1	Thermostat	
28	70002326	1	Gasket, Thermostat	
28	70003064	1	Sensor, Water Temperature	
28	70003063	1	Washer, Seal	
29	70002327	1	Pump, Water	
29	70002328	1	Gasket, Water Pump	
30	7017963	1	Pipe, Water	
30	70002330	1	Pipe, Water	
31	7023149	1	Gasket, Inlet Manifold (Not Shown)	
32	7023148	1	Gasket, Exhaust Manifold (Not Shown)	
33	7023124	1	Gasket (Muffler)	
33	70004415	4	Bolt, Sems	
34	70005226	1	Upper Gasket Kit	
34	70005227	1	Lower Gasket Kit	
35	7017992	1	Fuel Filter	
36	70005229	1	Tank, Coolant Reserve	
37	70006664	1	Arm, Adjustment	

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FIGURE 3-19. ENGINE COMPONENTS - KUBOTA DIESEL T4F (SN E20000723 to Present)



ART_1001238770

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FIGURE 3-19. ENGINE COMPONENTS - KUBOTA DIESEL T4F (SN E200000723 to Present)

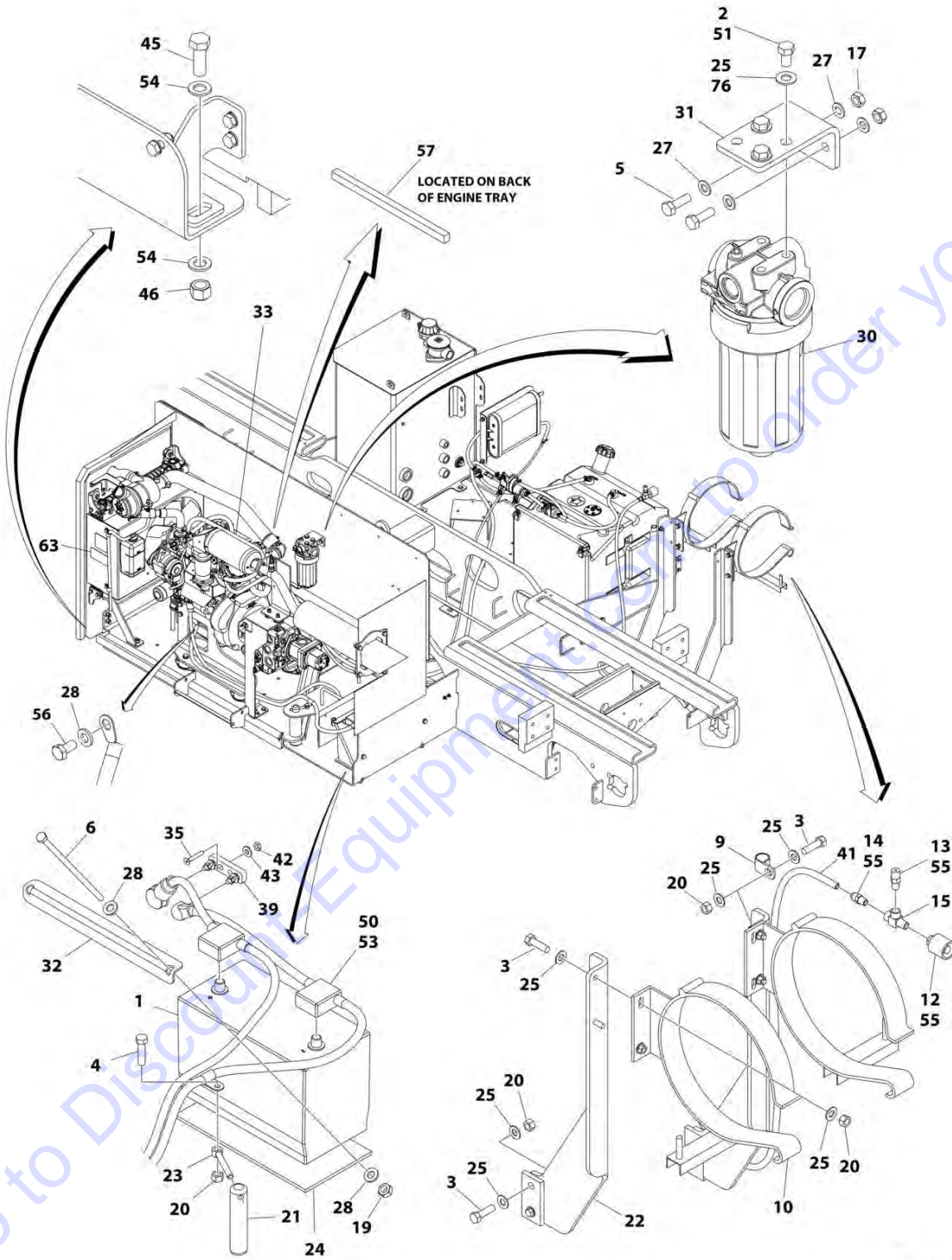
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238770	Ref	ENGINE COMPONENTS - KUBOTA DIESEL T4F	A
1	70004524	1	Drain (Not Shown)	
2	7023154	1	Plug, Drain	
2	70002315	1	Seal, Plug	
3	70004525	1	Plug, Drain	
3	70004526	1	Gasket	
4	70005220	1	Gasket, Cylinder Head (Not Shown)	
5	7017922	1	Seal, Front Main (Not Shown)	
6	70002318	2	Cap, Oil Fill	
6	70004311	2	O-Ring	
7	70005221	1	Gasket, Valve Cover (Not Shown)	
8	70003060	1	Comp Valve, Breather	
8	70003061	1	Cover, Breather	
8	7017934	4	Screw	
9	70002316	1	Pipe, Water Return	
9	70002317	1	Tube, Breather	
9	70004530	1	Clamp, Hose	
9	70004531	1	Band, Pipe	
10	70004395	1	Filter, Oil	
11	70005222	1	Dipstick	
11	70005223	1	Tube, Dipstick	
12	7017928	1	Seal, Rear Main (Not Shown)	
13	70005224	1	Gear, Ring	
14	70002419	1	Plate, Rear End	
15	7025479	1	Solenoid, Stop	
16	7023164	1	Pump, Injection	
16	70002319	1	Shim, Injection	
16	70002320	1	Shim, Injection	
16	70002321	1	Shim, Injection Pump	
16	70002322	1	Shim, Injection Pump	
16	70002323	1	Shim, Injection Pump	
16	7017945	1	Joint, Eye	
17	70004396	1	Control, Speed	
17	70004397	1	Gasket	
18	7023165	1	Gasket	
19	70004536	1	Pipe, Over Flow	
19	70004537	1	Screw, Air Bleeder	
19	70004538	1	Gasket	
19	70004539	1	Pipe, Over Flow	
20	70004399	3	Holder, Nozzle	
20	70004540	3	Nut	
20	7023167	3	Gasket	
20	7023168	3	Seal, Heat	
21	70004398	3	Plug, Glow	
21	70004544	1	Cord, Glow Plug	
22	70005228	1	Electric Fuel Feed Pump	
23	70006661	1	Alternator - 60Amp	
24	7023140	1	Pulley, Fan	
25	70006665	1	V-Belt	
26	7023144	1	Starter	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27	7017901	1	Switch, Oil	
28	70004829	1	Pipe, Water Return	
28	7023145	1	Gasket, Flange	
28	7017958	1	Hose, Water Return	
28	7023170	1	Thermostat	
28	70002326	1	Gasket, Thermostat	
28	70003064	1	Sensor, Water Temperature	
28	70003063	1	Washer, Seal	
29	70002327	1	Pump, Water	
29	70002328	1	Gasket, Water Pump	
30	7017963	1	Pipe, Water	
30	70002330	1	Pipe, Water	
31	7023149	1	Gasket, Inlet Manifold (Not Shown)	
32	7023148	1	Gasket, Exhaust Manifold (Not Shown)	
33	7023124	1	Gasket (Muffler)	
33	70004415	4	Bolt, Sems	
34	70005226	1	Upper Gasket Kit	
34	70005227	1	Lower Gasket Kit	
35	7017992	1	Fuel Filter	
36	70005229	1	Tank, Coolant Reserve	
37	70006664	1	Arm, Adjustment	

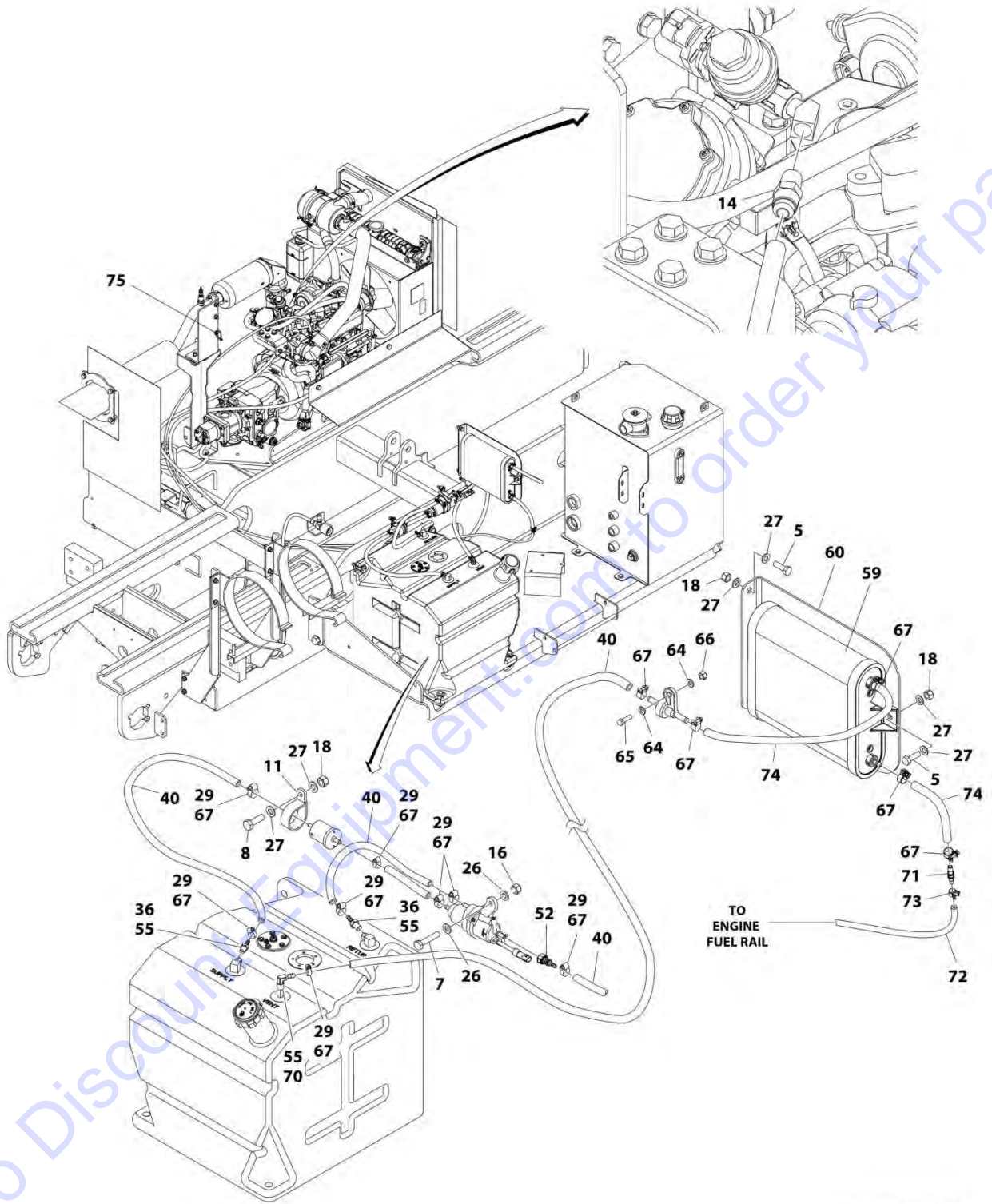
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FIGURE 3-20. ENGINE INSTALLATION - KUBOTA GASOLINE



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FIGURE 3-20. ENGINE INSTALLATION - KUBOTA GASOLINE

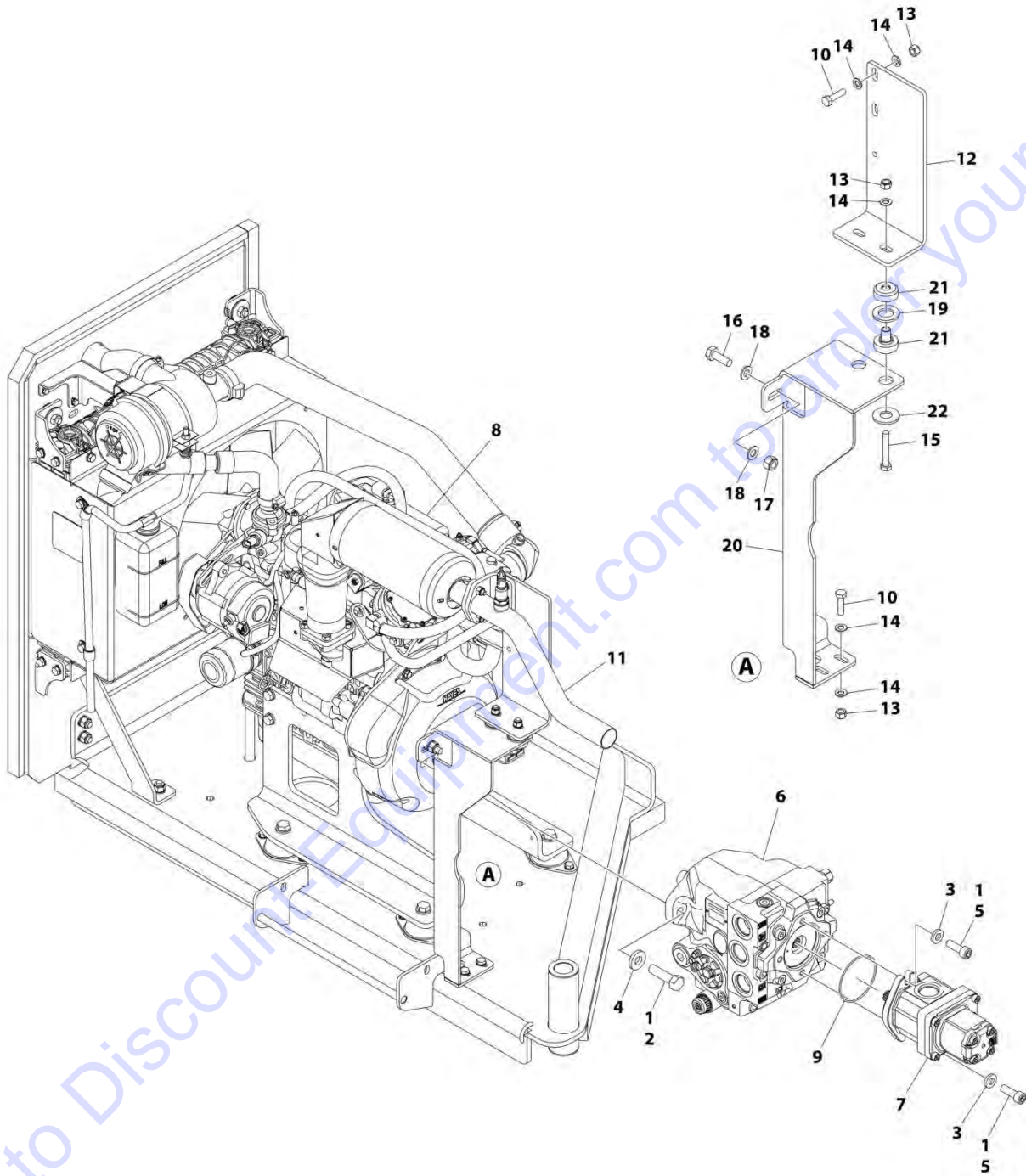
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177785	Ref	ENGINE INSTALLATION - KUBOTA GASOLINE	O
1	0400075	1	Battery	
2	0761010	AR	Bolt M10 x 20	
3	0641610	9	Bolt 3/8 x 1-1/4	
4	0641612	1	Bolt 3/8 x 1-1/2	
5	0700812	AR	Bolt M8 x 25	
6	0701047	2	Bolt M10 x 300	
7	0760614	3	Bolt M6 x 30	
8	0760812	AR	Bolt M8 x 25	
9	1320061	1	Clamp	
10	1320220	1	LP Clamp Kit	
11	1320265	1	Clamp	
12	2180387	1	Fitting, Tank Connector	
13	2180389	1	Fitting, Relief Valve - LP	
14	2180418	2	Fitting	
15	2220290	1	Fitting, Tee	
16	3290605	3	Nut M6	
17	3290801	2	Nut M8	
18	3290805	AR	Nut M8	
19	3291001	2	Nut M10	
20	3311605	10	Nut 3/8	
21	3422669	1	Pin	
22	3573440	2	Plate, Mounting	
23	3841143	1	Keeper Pin	
24	3980007	1	Seat, Battery	
25	4711600	AR	Washer 3/8	
26	4811700	6	Washer M6	
27	4811900	AR	Washer M8	
28	5241000	5	Washer M10	
29	8405009	AR	Clamp	
30	1001208874	1	Filter, Charge Pump	
30	70010383	1	Element, Filter	
31	1001194836	1	Bracket	
32	1001184065	1	Bracket, Hold Down	
33	1001184653	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
35	0741010	2	Screw #10 x 1-1/4	
36	2180348	2	Fitting, NPT/Barbed	
38	2300004	AR	Coolant (Not Shown)	
39	2400044	1	Block, Fuse Mounting	
40	1001156819	15.7 ft/ 4.8m	Hose	
41	2720611	1	Hose	
42	3300408	2	Nut	
43	4711400	2	Washer 1/4	
45	0761617	1	Bolt M16 x 45	
46	3291605	1	Nut M16	
48	1001190775	AR	Oil, Engine (Not Shown)	
50	0100051	AR	Grease, Battery Terminal	
51	0100011	1	Compound, Locking	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	1001174093	AR	Coupling, Quick Connect	
53	1001186429	1	Battery Cable Kit (See Separate Breakdown in ELECTRICAL SECTION)	
54	4812300	2	Washer M16	
55	0100020	AR	Sealant	
56	8303511	1	Capscrew M10 x 20	
57	1001183421	1	Foam, Baffle	
59	1001225420	1	Canister, Carbon	
60	1001225421	1	Bracket	
63	1001236559	1	Decal - EPA Evaporation Standards (SN E200000676 through E200000760)	
63	1001249253	1	Decal - EPA Evaporation Standards (SN E200000761 to Present)	
64	4811600	AR	Washer M5	
65	0760512	AR	Bolt M5 x 25	
66	3290505	AR	Nut M5	
67	1001174486	14	Clamp	
70	2221176	1	Fitting, 90	
71	1001131391	1	Coupling, Fuel Line	
72	1001129256	9.3 ft/ 2.8m	Hose	
73	1001185585	2	Clamp, Hose	
74	1001129255	2.5 ft/ .8m	Hose	
75	1001146588	AR	Tie-Strap	
76	4812000	AR	Washer M10	

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FIGURE 3-21. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE



ART_1001184653

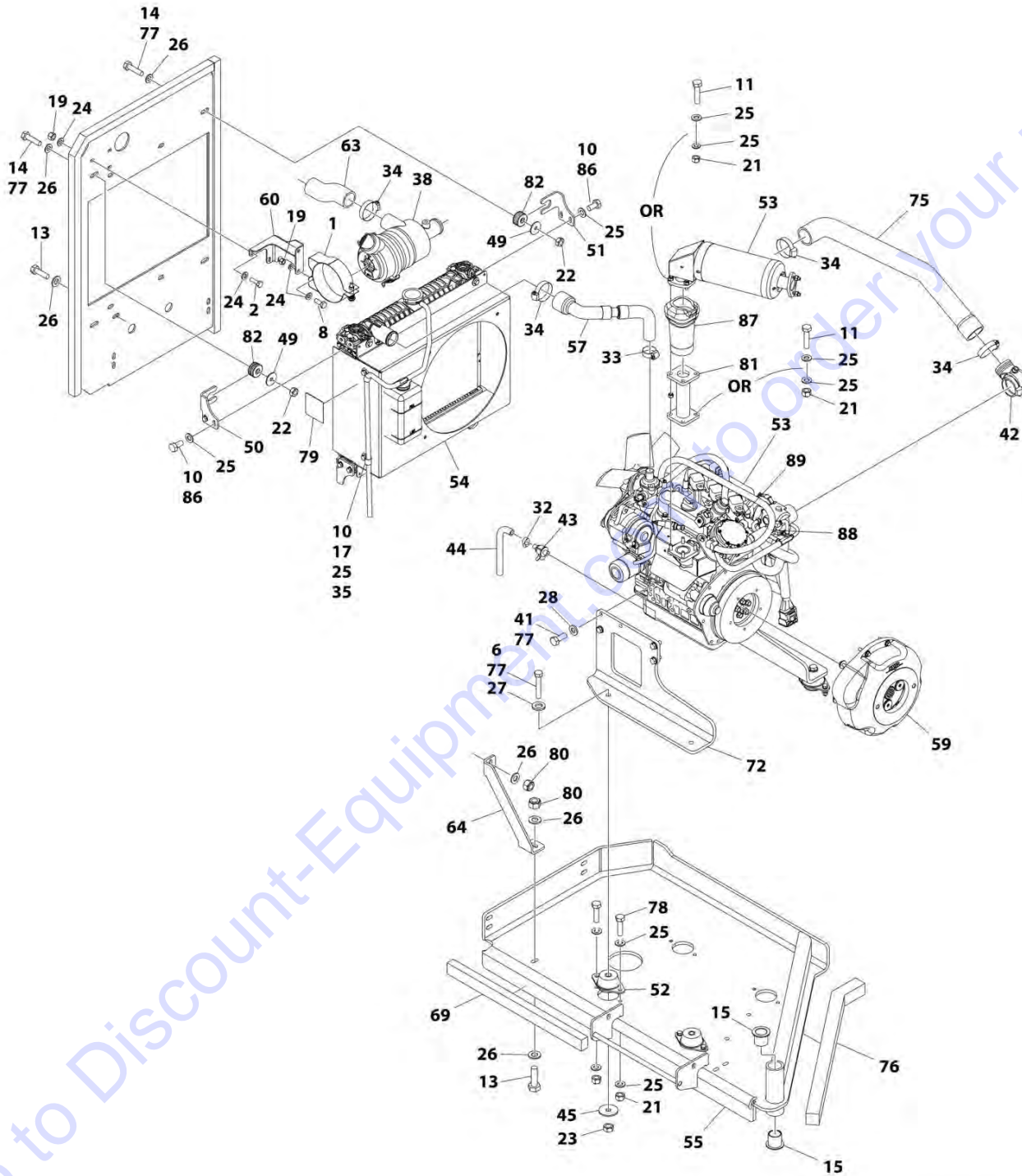
SECTION 3 - ENGINE

FIGURE 3-21. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184653	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE	F
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	4891600	AR	Washer 3/8	
4	4891800	2	Washer 1/2	
5	83191040	2	Capscrew M10 x 30	
6	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
7	1001217291	1	Gear Pump Assembly	
7	70002861	1	Seal Kit - 1001217291 Pump (Note: Seal Kit is only service component available)	
8	1001184654	1	Engine Assembly - Kubota Gasoline (See Separate Breakdown in this Section)	
9	3790152	1	O-Ring	
10	0700814	AR	Bolt M8 x 30	
11	1001186833	1	Tube, Exhaust	
12	1001226420	1	Bracket, Exhaust	
13	3290805	AR	Nut M8	
14	4811900	AR	Washer M8	
15	0700819	AR	Bolt M8 x 55	
16	0761014	AR	Bolt M10 x 30	
17	3291005	AR	Nut M10	
18	4812000	AR	Washer M10	
19	4812500	AR	Washer M20	
20	1001195600	1	Bracket	
21	1001125248	1	Mount	
22	1001169138	2	Pad	

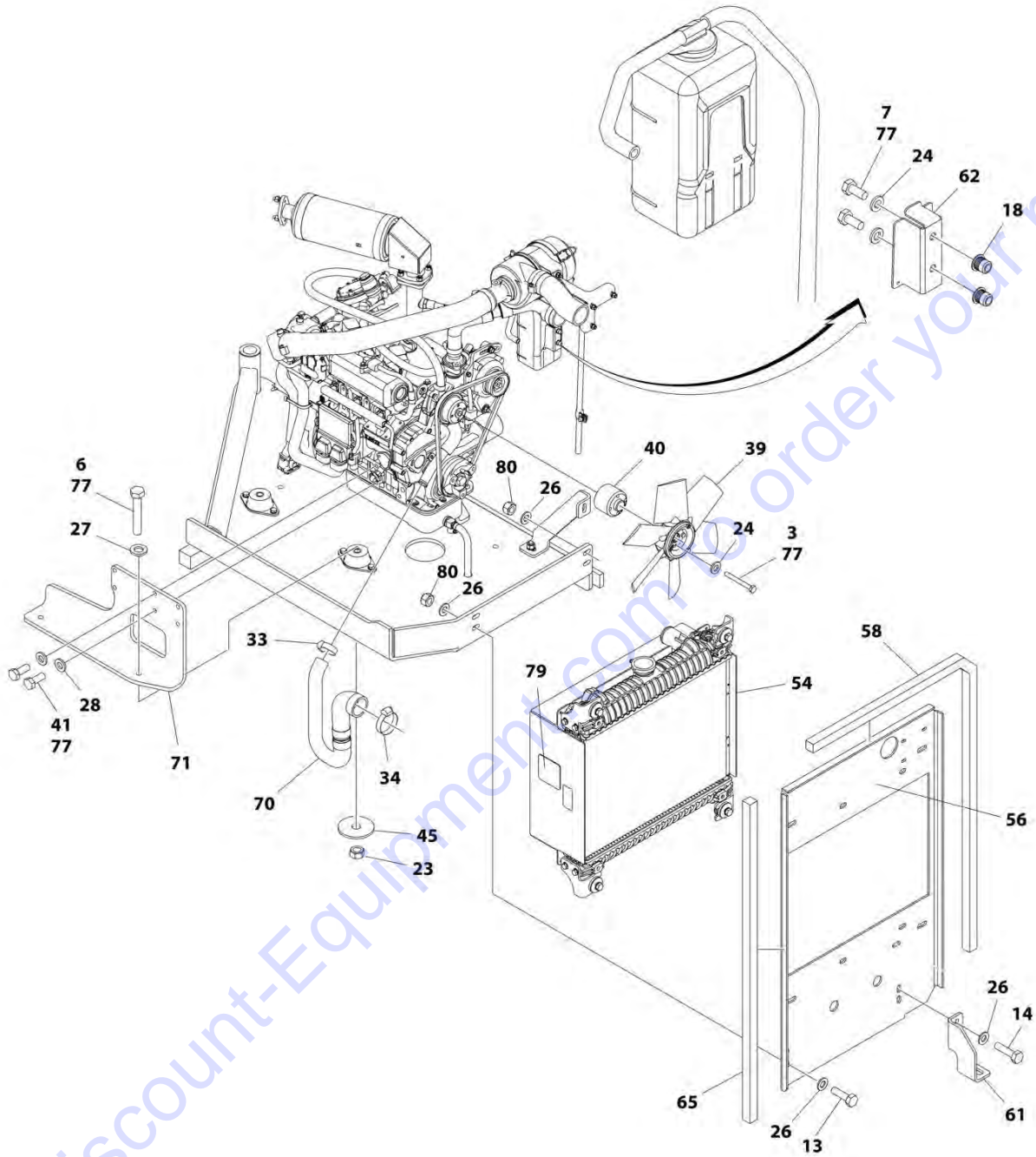
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FIGURE 3-22. ENGINE ASSEMBLY - KUBOTA GASOLINE



ART_1001184654_10F2

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ART_1001184654_20F2

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FIGURE 3-22. ENGINE ASSEMBLY - KUBOTA GASOLINE

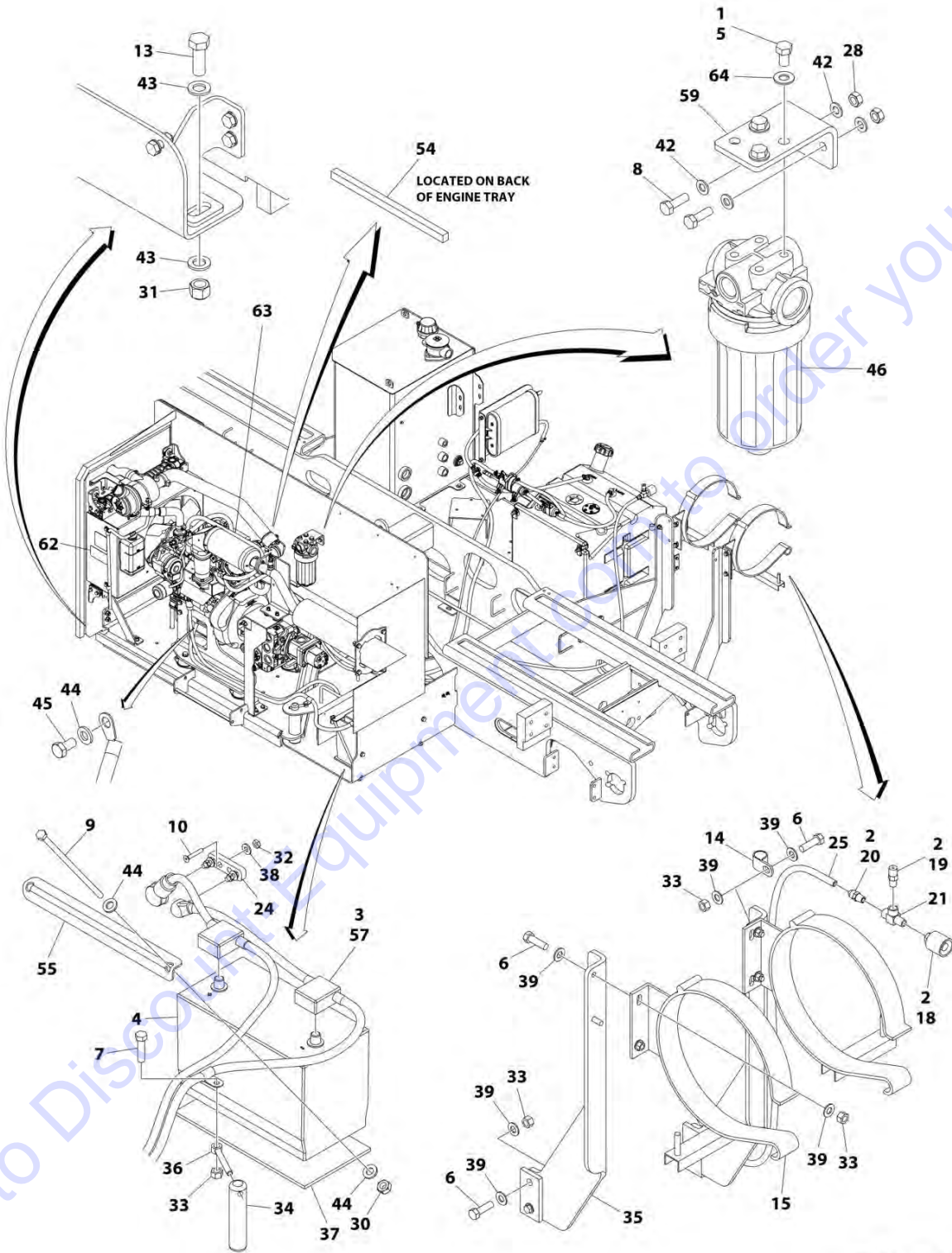
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184654	Ref	ENGINE ASSEMBLY - KUBOTA GASOLINE	M
1	0340045	1	Band, Mounting	
2	0700610	3	Bolt M6 x 20	
3	0700619	4	Bolt M6 x 55	
6	0701222	4	Bolt M12 x 70	
7	0760607	2	Bolt M6 x 14	
8	0760608	AR	Bolt M6 x 16	
10	0760808	10	Bolt M8 x 16	
11	0760815	AR	Bolt M8 x 35	
13	0761015	4	Bolt M10 x 35	
14	0761016	6	Bolt M10 x 40	
15	0961986	2	Bearing, Flange	
17	1001191832	AR	Nut M8	
18	1001178636	AR	Nut M6	
19	3290605	AR	Nut M6	
21	3290805	AR	Nut M8	
22	3291001	4	Nut M10	
23	3291201	4	Nut M12	
24	4811700	AR	Washer M6	
25	4811900	AR	Washer M8	
26	4812000	16	Washer M10	
27	5241200	4	Washer M12	
28	5241000	8	Washer M10	
32	8405009	1	Clamp	
33	8405101	2	Clamp	
34	8405104	5	Clamp	
35	85941016	2	Clamp	
38	1001118280	1	Air Filter Assembly	
38	7015004	2	Element	
38	7015005	1	Cover Assembly	
38	1340069	1	Valve, Vacuator	
39	1001118538	1	Fan	
40	1001118539	1	Fan, Spacer	
41	1001118746	8	Bolt M10 x 25	
42	1001146043	1	Elbow	
43	1001161497	1	Valve Oil Drain	
44	1001165035	1	Hose	
45	1001168018	4	Washer	
49	1001169138	4	Pad	
50	1001169967	2	Bracket, Radiator	
51	1001170035	2	Bracket, Radiator	
52	1001187235	4	Mount, Motor	
53	1001224493	1	Engine Components - Kubota Gasoline (See Separate Breakdown in this Section)	
54	1001220957	1	Radiator	
55	1001181649	1	Tray, Engine	
56	1001181658	1	Plate, Radiator Mounting	
57	1001181659	1	Hose, Radiator (Upper)	
58	1001181739	1	Seal	
59	1001181829	1	Coupling Kit - Gasoline Engines (See Separate Breakdown in this	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			Section)	
60	1001182980	1	Bracket, Air Cleaner	
61	1001182981	1	Bracket, Tray	
62	1001182982	1	Mount	
63	1001182983	1	Tube, Intake	
64	1001182984	1	Bracket, Support	
65	1001183420	1	Foam, Baffle (SN E200000676 through E200000784)	
65	1001247403	1	Foam, Baffle (SN E200000785 to Present)	
69	1001183424	1	Foam, Baffle	
70	1001183427	1	Tube, Coolant	
71	1001183428	1	Mount, Engine (RH)	
72	1001183429	1	Mount, Engine (LH)	
75	1001184064	1	Tube, Intake	
76	1001184066	1	Foam, Baffle	
77	0100011	AR	Compound, Locking	
78	0700814	8	Bolt, M8 x 30	
79	1703162	2	Decal - Fan Blade	
80	3291005	6	Nut M10	
81	1001213847	1	Tube, Exhaust	
82	1001169054	4	Isolator, Radiator	
86	1001180620	AR	Compound, Locking	
87	1001210708	1	Sleeve, Insulation	
88	1001181625	50 in/ 127cm	Hose	
89	8410013	4	Clamp	

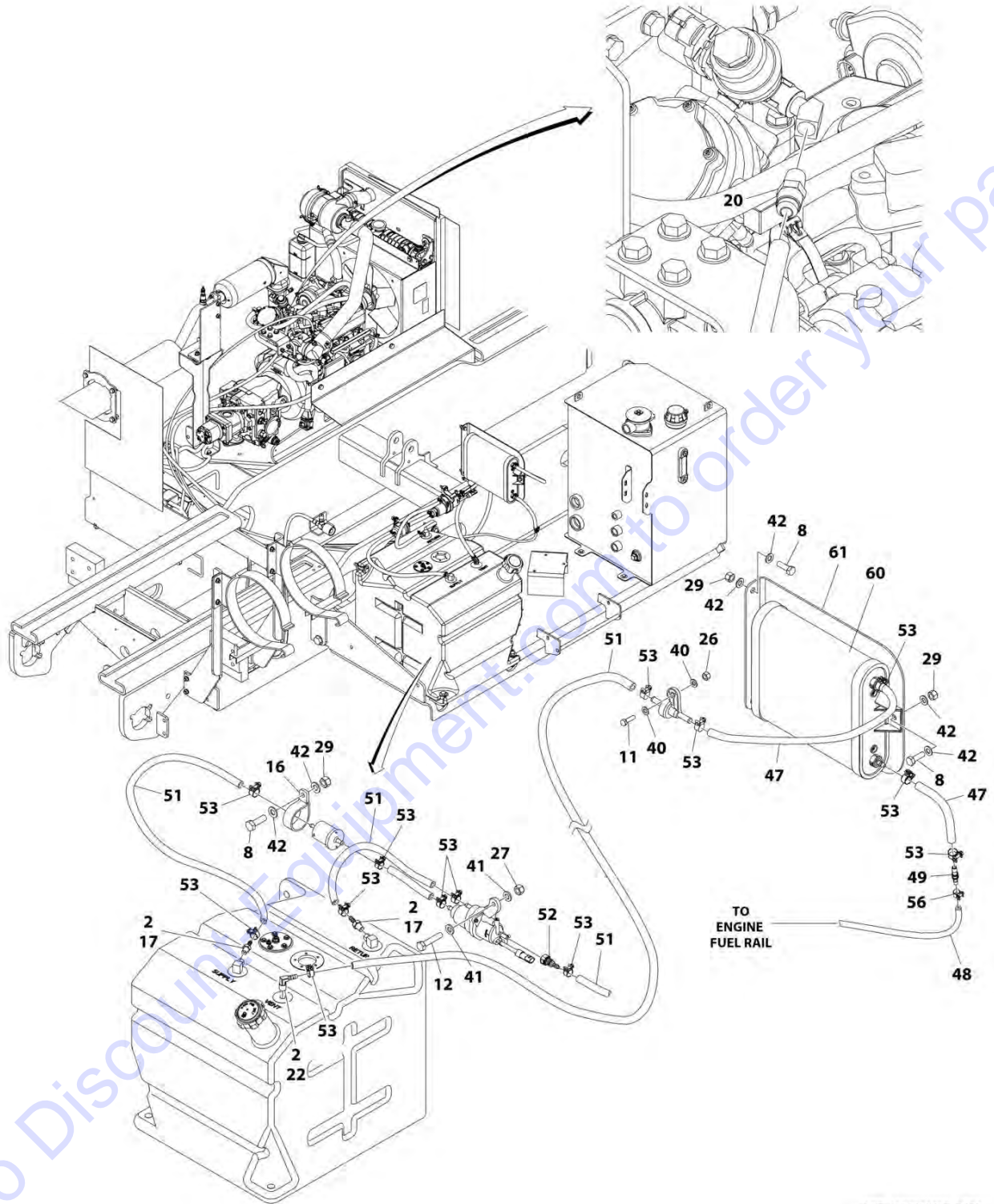
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FIGURE 3-23. ENGINE INSTALLATION - KUBOTA GASOLINE WITH GENERATOR



ART_1001231715_10F2

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ART_1001231715_20F2

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FIGURE 3-23. ENGINE INSTALLATION - KUBOTA GASOLINE WITH GENERATOR

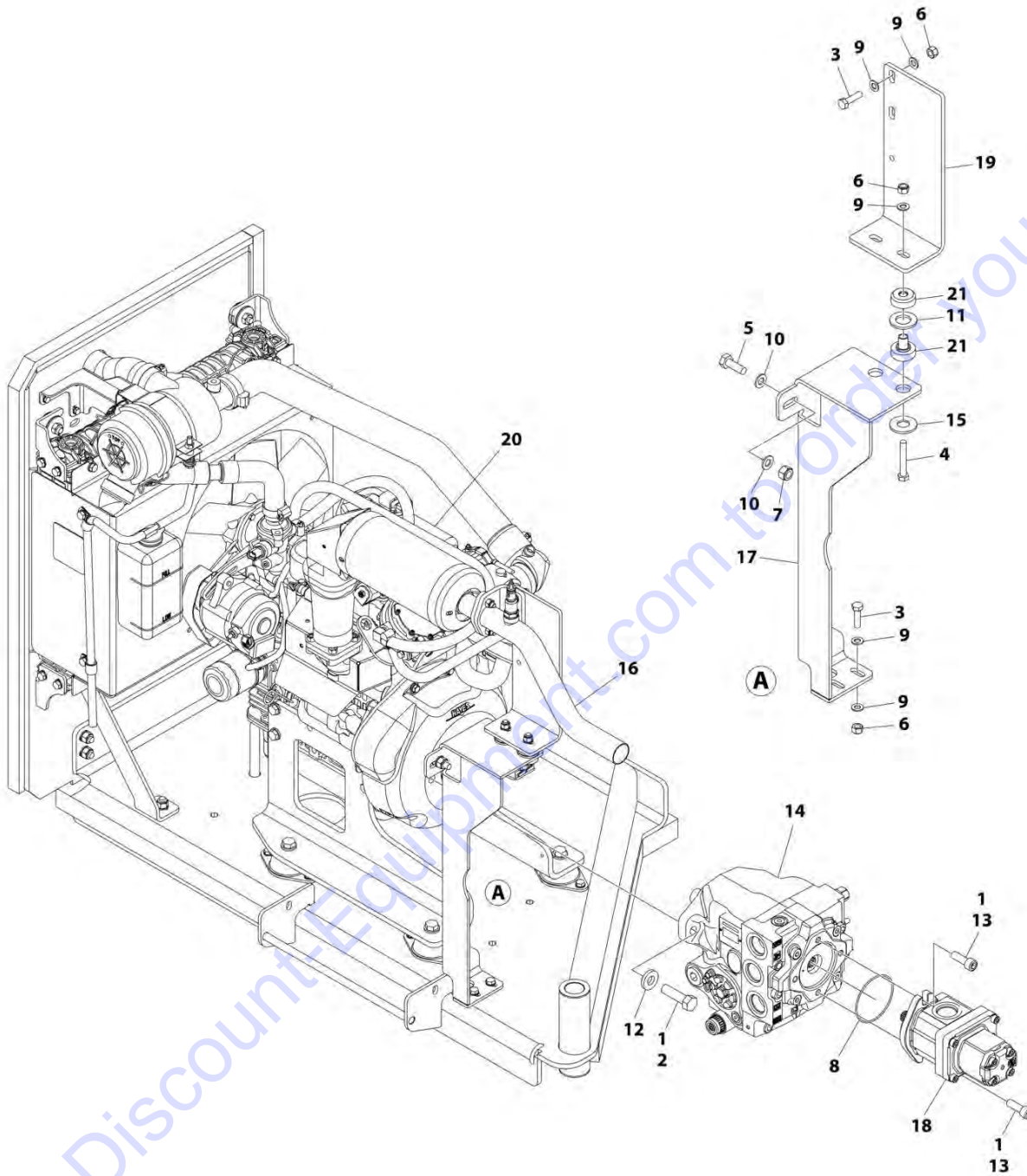
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231715	Ref	ENGINE INSTALLATION - KUBOTA GASOLINE	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100051	AR	Grease, Battery Terminal	
4	0400075	1	Battery	
5	0761010	3	Bolt M10 x 20	
6	0641610	9	Bolt 3/8 x 1-1/4	
7	0641612	1	Bolt 3/8 x 1-1/2	
8	0700812	7	Bolt M8 x 25	
9	0701047	2	Bolt M10 x 300	
10	0741010	2	Screw 10 x 1-1/4	
11	0760512	1	Bolt M5 x 25	
12	0760614	3	Bolt M6 x 30	
13	0761617	1	Bolt M16 x 45	
14	1320061	1	Clamp	
15	1320220	1	LP Clamp Kit	
16	1320265	1	Clamp	
17	2180348	2	Fitting, NPT/Barbed	
18	2180387	1	Fitting, Tank Connector	
19	2180389	1	Fitting, Relief Valve - LP	
20	2180418	2	Fitting	
21	2220290	1	Fitting, Tee	
22	2221176	1	Fitting, 90	
23	2300004	AR	Coolant (Not Shown)	
24	2400044	1	Block, Fuse Mounting	
25	2720611	1	Hose	
26	3290505	1	Nut M5	
27	3290605	3	Nut M6	
28	3290801	2	Nut M8	
29	3290805	5	Nut M8	
30	3291001	2	Nut M10	
31	3291605	1	Nut M16	
32	3300408	2	Nut	
33	3311605	10	Nut 3/8	
34	3422669	1	Pin	
35	3573440	2	Plate, Mounting	
36	3841143	1	Keeper Pin	
37	3980007	1	Seat, Battery	
38	4711400	2	Washer 1/4	
39	4711600	AR	Washer 3/8	
40	4811600	2	Washer M5	
41	4811700	6	Washer M6	
42	4811900	14	Washer M8	
43	4812300	2	Washer M16	
44	5241000	5	Washer M10	
45	8303511	1	Capscrew M10 x 20	
46	1001208874	1	Filter, Charge Pump	
46	70010383	1	Element (Includes O-Ring)	
47	1001129255	30 in/ 75 cm	Hose	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001129256	9.5 ft/ 2.8m	Hose	
49	1001131391	1	Coupling, Fuel Line	
50	1001146588	1	Tie-Strap	
51	1001156819	16 ft/ 4.8m	Hose	
52	1001174093	1	Coupling, Quick Connect	
53	1001174486	14	Clamp	
54	1001183421	1	Foam, Baffle	
55	1001184065	1	Bracket, Hold Down	
56	1001185585	2	Clamp, Hose	
57	1001186429	1	Battery Cable Kit (See Separate Breakdown in ELECTRICAL SECTION)	
58	1001190775	AR	Oil, Engine (Not Shown)	
59	1001194836	1	Bracket	
60	1001225420	1	Canister, Carbon	
61	1001225421	1	Bracket	
62	1001236559	1	Decal - EPA Evaporation Standards (SN E200000676 through E200000760)	
62	1001249253	1	Decal - EPA Evaporation Standards (SN E200000761 to Present)	
63	1001231716	1	Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
64	4812000	3	Washer M10	

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FIGURE 3-24. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE WITH GENERATOR



ART_1001231716

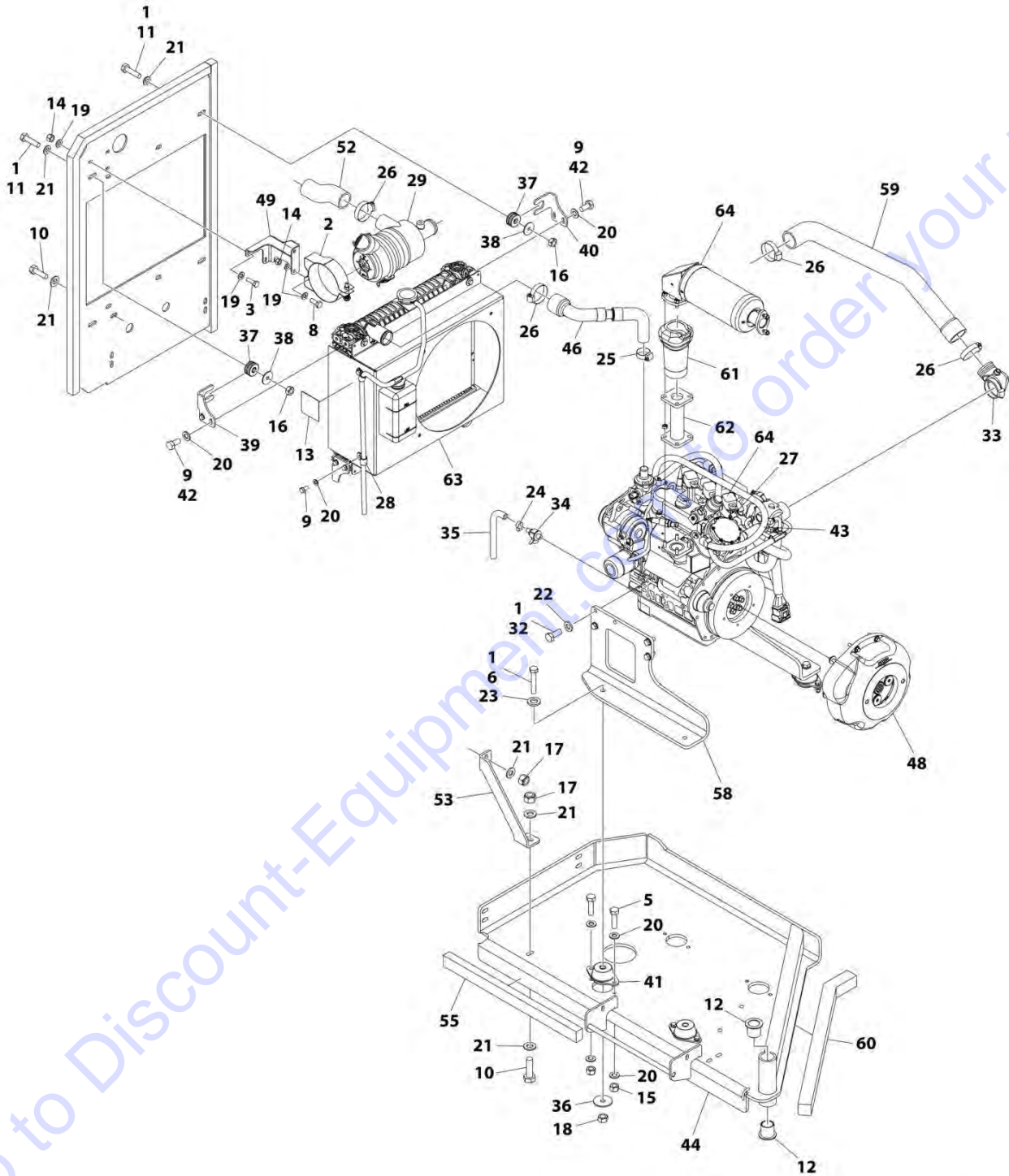
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FIGURE 3-24. ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE WITH GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231716	Ref	ENGINE AND PUMP SUB-ASSEMBLY - KUBOTA GASOLINE	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0700814	4	Bolt M8 x 30	
4	0700819	2	Bolt M8 x 55	
5	0761014	1	Bolt M10 x 30	
6	3290805	6	Nut M8	
7	3291005	1	Nut M10	
8	3790152	1	O-Ring	
9	4811900	10	Washer M8	
10	4812000	2	Washer M10	
11	4812500	2	Washer M20	
12	4891800	2	Washer 1/2	
13	83191040	2	Capscrew M10 x 30	
14	1001101331	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
15	1001169138	2	Pad	
16	1001186833	1	Tube, Exhaust	
17	1001195600	1	Bracket	
18	1001217291	1	Gear Pump Assembly	
18	70002861	1	Seal Kit - 1001217291 Pump (Note: Seal Kit is only service component available)	
19	1001226420	1	Bracket, Exhaust	
20	1001231717	1	Engine Assembly - Kubota Gasoline (See Separate Breakdown in this Section)	
21	1001125248	2	Mount	

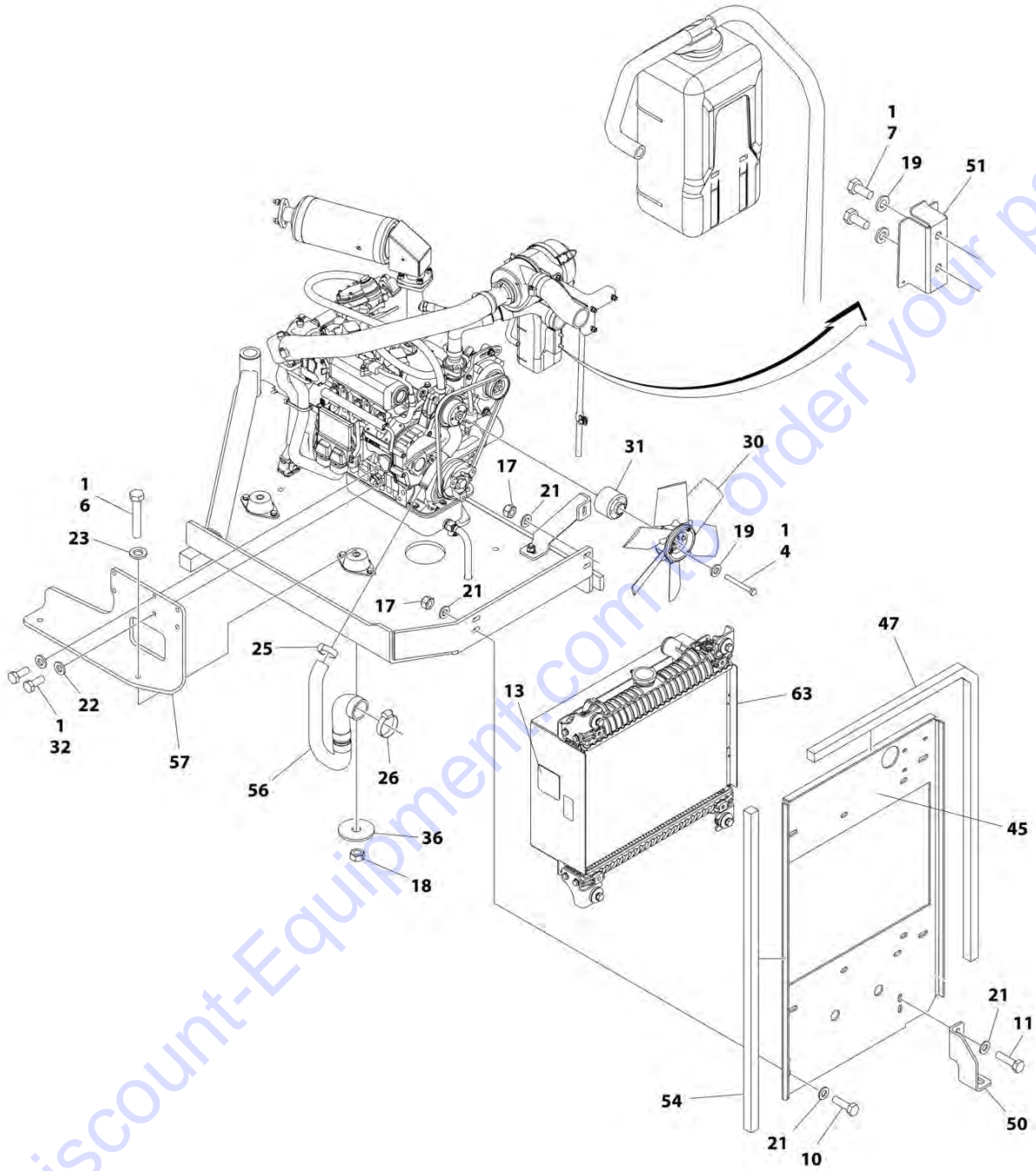
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FIGURE 3-25. ENGINE ASSEMBLY - KUBOTA GASOLINE WITH GENERATOR



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ART_1001231717_20F2

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FIGURE 3-25. ENGINE ASSEMBLY - KUBOTA GASOLINE WITH GENERATOR

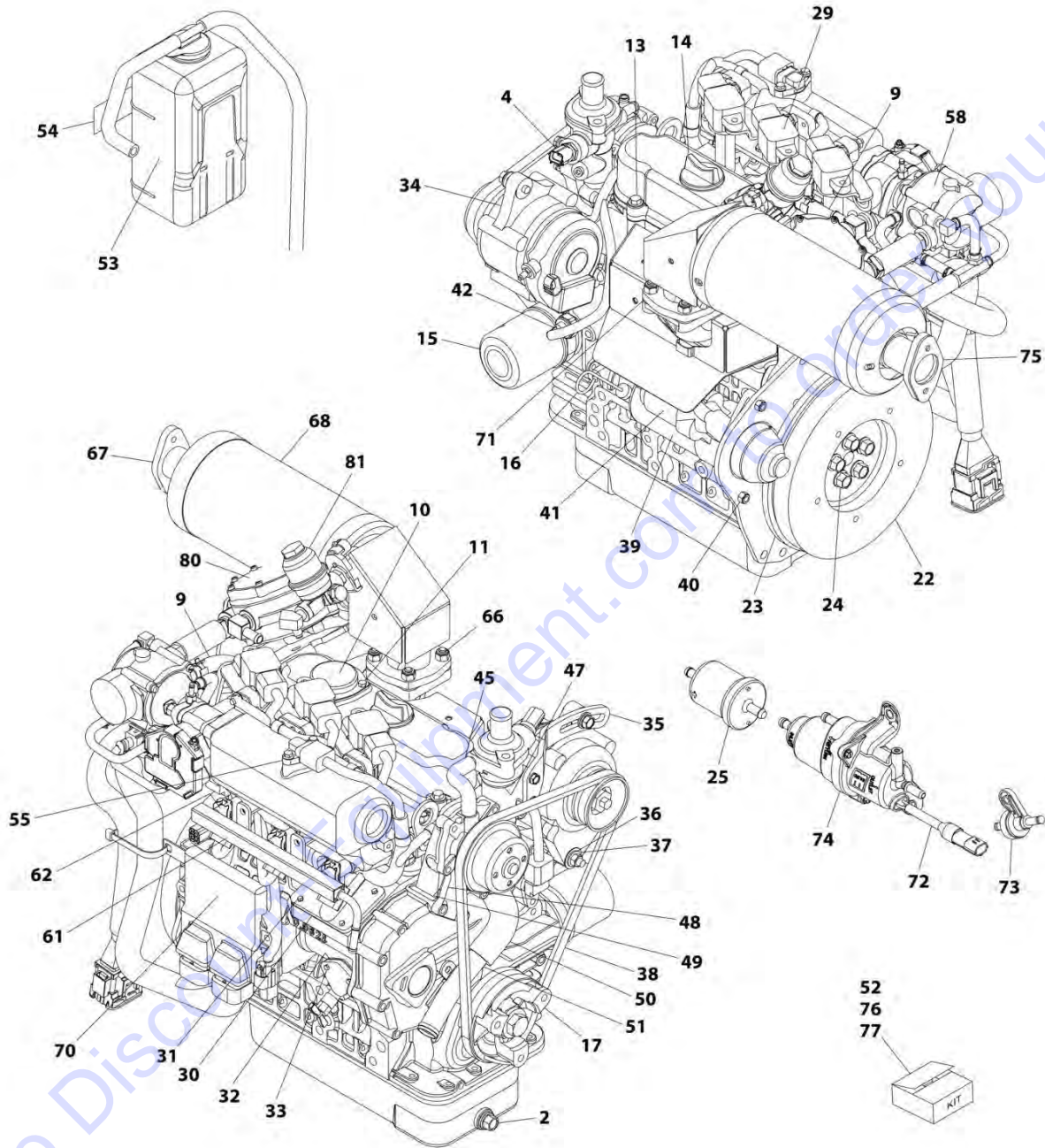
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231717	Ref	ENGINE ASSEMBLY - KUBOTA GASOLINE	B
1	0100011	AR	Compound, Locking	
2	0340045	1	Band, Mounting	
3	0700610	3	Bolt M6 x 20	
4	0700619	4	Bolt M6 x 55	
5	0700814	8	Bolt M8 x 30	
6	0701222	4	Bolt M12 x 70	
7	0760607	2	Bolt M6 x 14	
8	0760608	2	Bolt M6 x 16	
9	0760808	10	Bolt M8 x 16	
10	0761015	4	Bolt M10 x 35	
11	0761016	6	Bolt M10 x 40	
12	0961986	2	Bearing, Flange	
13	1703162	2	Decal - Fan Blade	
14	3290605	5	Nut M6	
15	3290805	8	Nut M8	
16	3291001	4	Nut M10	
17	3291005	6	Nut M10	
18	3291201	4	Nut M12	
19	4811700	16	Washer M6	
20	4811900	26	Washer M8	
21	4812000	16	Washer M10	
22	5241000	8	Washer M10	
23	5241200	4	Washer M12	
24	8405009	1	Clamp	
25	8405101	2	Clamp	
26	8405104	5	Clamp	
27	8410013	4	Clamp	
28	85941016	2	Clamp	
29	1001118280	1	Air Filter Assembly	
29	7015004	2	Element	
29	7015005	1	Cover Assembly	
29	1340069	1	Valve, Vacuator	
30	1001118538	1	Fan	
31	1001118539	1	Fan, Spacer	
32	1001118746	8	Bolt M10 x 25	
33	1001146043	1	Elbow	
34	1001161497	1	Valve Oil Drain	
35	1001165035	1	Hose	
36	1001168018	4	Washer	
37	1001169054	4	Isolator, Radiator	
38	1001169138	4	Pad	
39	1001169967	2	Bracket, Radiator	
40	1001170035	2	Bracket, Radiator	
41	1001175509	4	Mount, Motor	
42	1001180620	AR	Compound, Locking	
43	1001181625	50 in/ 127cm	Hose	
44	1001181649	1	Tray, Engine	
45	1001181658	1	Plate, Radiator Mounting	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1001181659	1	Hose, Radiator (Upper)	
47	1001181739	1	Seal	
48	1001181829	1	Coupling Kit - Gasoline Engines (See Separate Breakdown in this Section)	
49	1001182980	1	Bracket, Air Cleaner	
50	1001182981	1	Bracket, Tray	
51	1001182982	1	Mount	
52	1001182983	1	Tube, Intake	
53	1001182984	1	Bracket, Support	
54	1001183420	1	Foam, Baffle (SN E200000676 through E200000784)	
54	1001247403	1	Foam, Baffle (SN E200000785 to Present)	
55	1001183424	1	Foam, Baffle	
56	1001183427	1	Tube, Coolant	
57	1001183428	1	Mount, Engine (RH)	
58	1001183429	1	Mount, Engine (LH)	
59	1001184064	1	Tube, Intake	
60	1001184066	1	Foam, Baffle	
61	1001210708	1	Sleeve, Insulation	
62	1001213847	1	Tube, Exhaust	
63	1001220957	1	Radiator	
64	1001224493	1	Engine Components - Kubota Gasoline (See Separate Breakdown in this Section)	

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FIGURE 3-26. ENGINE COMPONENTS - KUBOTA GASOLINE



ART_1001224493

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FIGURE 3-26. ENGINE COMPONENTS - KUBOTA GASOLINE

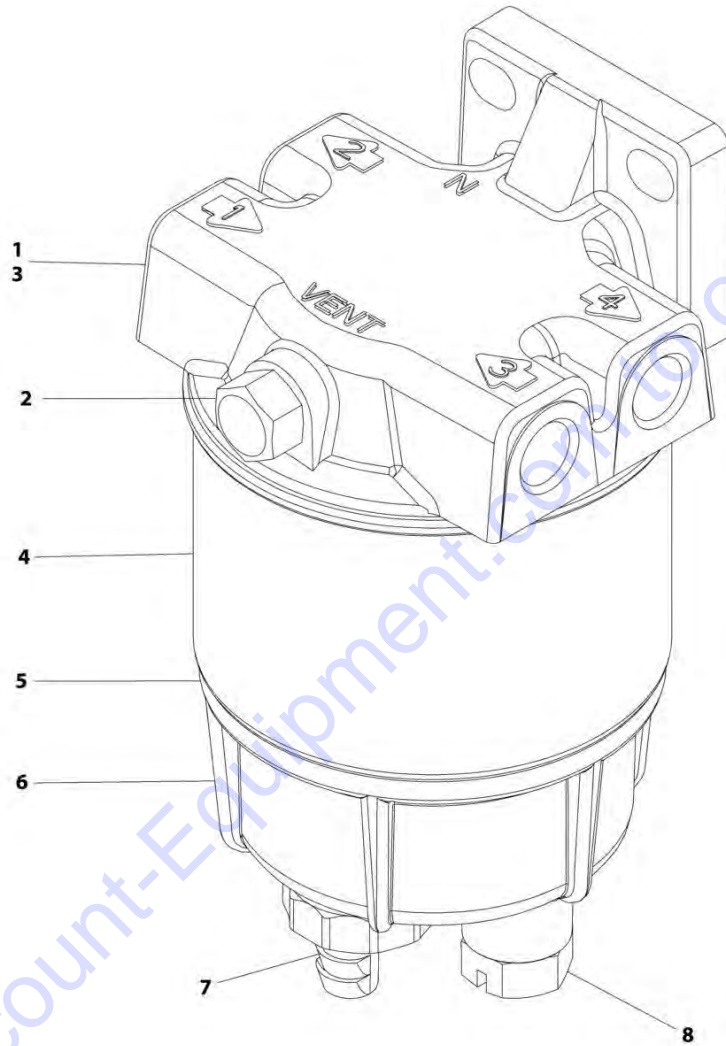
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224493	Ref	ENGINE COMPONENTS - KUBOTA GASOLINE	C
1	70004524	1	Drain (Not Shown)	
2	70004525	1	Plug, Drain	
2	70004526	1	Gasket	
3	7017906	2	Bolt (Not Shown)	
4	70005726	1	Sensor, Water Temperature	
4	70005727	1	Gasket	
5	70005728	1	Gasket, Head (Not Shown)	
6	7017914	1	Joint, Pipe (Not Shown)	
7	70005729	1	Seal, Oil (Not Shown)	
8	70005730	1	Sensor, Revolution (Not Shown)	
9	7017959	2	Band, Pipe	
10	70005731	1	O-Ring, Breather	
10	70005732	1	Cover, Breather	
11	7017934	4	Screw	
12	70005733	1	Gasket, Head Cover (Not Shown)	
13	70004831	4	Bolt	
14	70002318	1	Plug, Oil Filler	
14	70004311	1	O-Ring	
15	7017980	1	Filter, Oil	
16	70005734	1	Gauge, Oil	
17	70004294	1	Pump, Oil	
17	70004295	1	Gasket, Oil	
18	70004296	1	Key, Feather (Not Shown)	
19	7017982	1	Gasket, Bearing Case (Not Shown)	
20	7017983	1	Seal, Oil (Not Shown)	
21	7017984	1	Gasket, Case Cover (Not Shown)	
22	70005735	1	Gear, Ring	
23	70005736	1	Rotor	
24	70004834	5	Bolt	
25	7017992	1	Fuel, Filter	
26	70005737	1	Sensor, Stick (Not Shown)	
27	70005738	1	Holder, Sensor (Not Shown)	
28	70005739	3	Spark Plug (Not Shown)	
29	70005740	3	Coil, Ignition	
30	7017986	1	Gasket	
31	70004538	2	Packing	
32	7017995	1	Gasket, Fuel Pump	
33	70004848	2	Bolt	
34	70006661	1	Alternator - 60Amp	
35	70006662	1	Bracket, Adjustment	
36	70004557	1	Washer	
37	70004558	1	Washer, Spring Lock	
38	7023107	1	V-Belt	
39	70005743	1	Starter	
40	70005329	5	Nut	
41	70005744	1	Magnetic, Switch	
42	70005745	1	Switch, Oil Pressure	
43	70004829	1	Pipe, Water Return (Not Shown)	
44	70004306	1	Gasket, Water Flange (Not Shown)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	70004851	1	Pipe, Water Return	
46	7023170	1	Thermostat (Not Shown)	
47	70002326	1	Gasket, Thermostat	
48	70004853	1	Pump, Water	
49	70004854	1	Gasket, Water Pump	
50	70004912	1	Hose, Water	
51	70004913	2	Band, Pipe	
52	70005229	1	Coolant Tank Kit	
53	4400498	1	Tank, Coolant	
54	70004401	1	Decal - Instruction	
55	70005746	1	Sensor (TMAP)	
56	70005747	1	O-Ring (Not Shown)	
57	7017994	2	Gasket, Air Cleaner (Not Shown)	
58	70005748	1	Mixer	
59	70004537	1	Screw, Air Bleeder (Not Shown)	
60	70005749	1	Gasket, In-Manifold (Not Shown)	
61	70005750	1	Rail, Fuel Ignition	
62	70005751	3	Injector	
63	70005752	1	Gasket, Exhaust Manifold (Not Shown)	
64	70005753	3	Bolt, Stud (Not Shown)	
65	70005327	6	Nut (Not Shown)	
66	70005754	4	Bolt, Stud	
67	70005755	1	Muffler	
68	70005756	1	Cover, Muffler	
69	70005757	1	Harness, Wire (ECU) (Not Shown)	
70	70005758	1	Module, Engine Control (ECU)	
71	70005759	2	Gasket, Muffler	
72	70005760	2	Sensor, O2	
73	70005762	1	Valve, 2 Way	
74	70005761	1	Pump, Fuel	
75	70005763	1	Gasket, Muffler	
76	70005764	1	Upper Gasket Kit	
77	70005765	1	Lower Gasket Kit	
78	70005766	1	Cable Assembly (ECOM) (Not Shown)	
79	70005767	1	Adapter (ECOM) (Not Shown)	
80	70005768	1	Regulator	
81	70005769	1	Valve, Lockoff	

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FIGURE 3-27. FUEL/WATER SEPARATOR ASSEMBLY - DIESEL ENGINES



ART_1001190609

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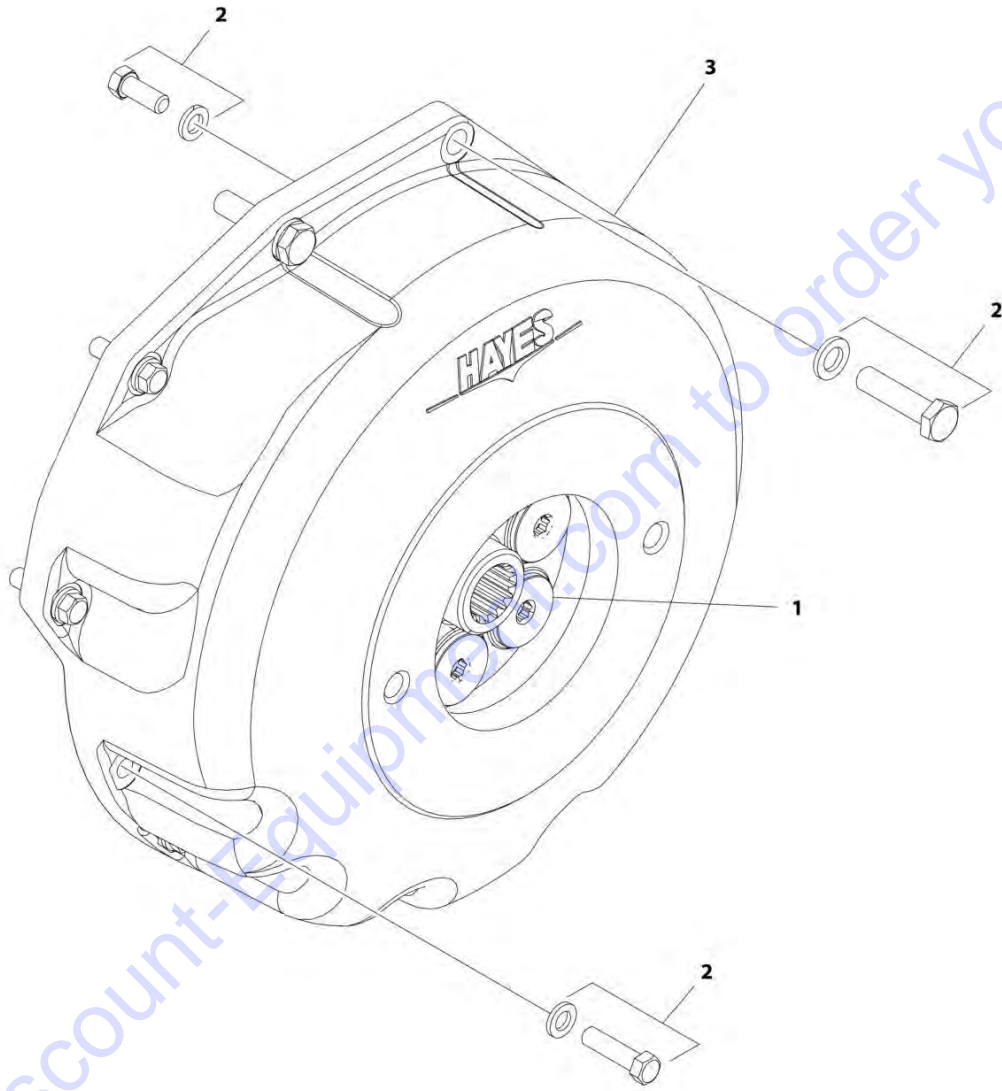
FIGURE 3-27. FUEL/WATER SEPARATOR ASSEMBLY - DIESEL ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190609	Ref	FUEL/WATER SEPARATOR ASSEMBLY - DIESEL ENGINES	A
1	70005293	1	Head, Mounting	
2	70005294	1	Plug	
3	70005295	1	Gasket, Head	
4	70005296	1	Element	
5	70005297	1	O-Ring	
6	70002901	1	Bowl	
7	70004070	1	Drain, Self Venting	
8	70004069	1	Plug	

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FIGURE 3-28. COUPLING KIT - DIESEL ENGINES



ART_1001118675

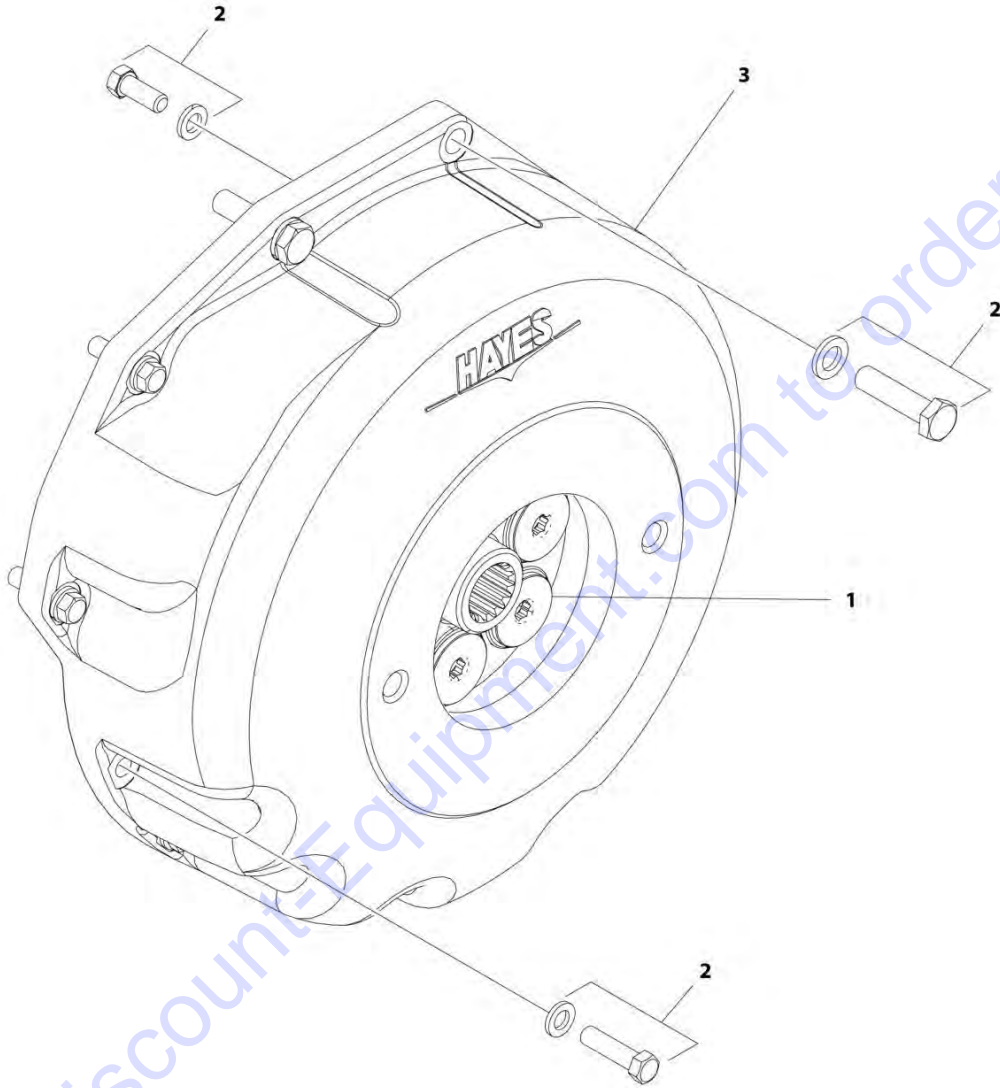
FIGURE 3-28. COUPLING KIT - DIESEL ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001118675	Ref	COUPLING KIT - DIESEL ENGINES	A
1	70001933	1	Coupling Assembly	
2	70005453	1	Bolt Kit	
3	See Note	NSS	Housing (Note: Use p/n 1001118675)	

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FIGURE 3-29. COUPLING KIT - GASOLINE ENGINES



ART_1001181829

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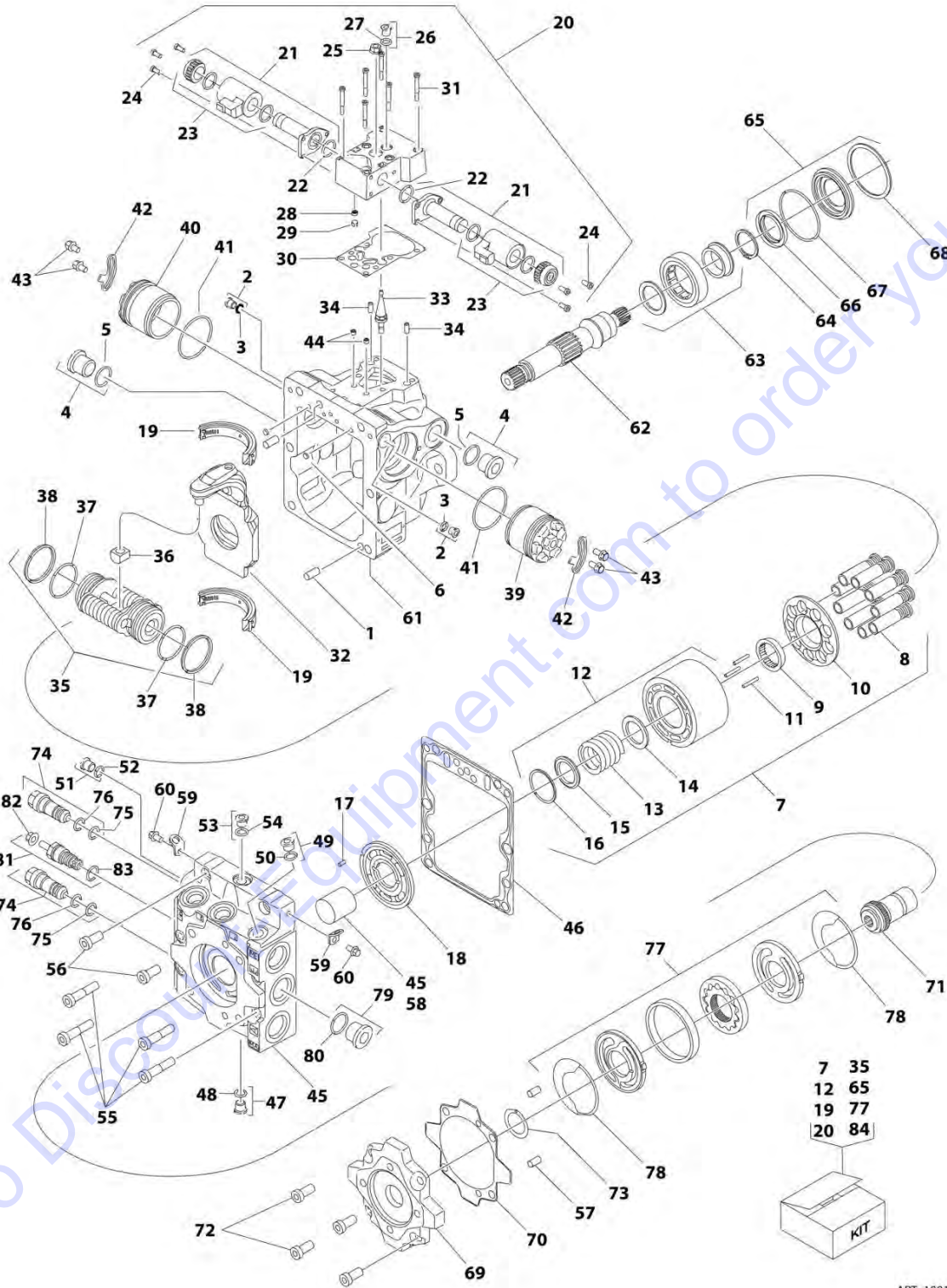
FIGURE 3-29. COUPLING KIT - GASOLINE ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181829	Ref	COUPLING KIT - GASOLINE ENGINES	B
1	70005455	1	Coupling Assembly	
2	70005454	1	Bolt Kit	
3	See Note	NSS	Housing (Note: Use p/n 1001181829)	

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FIGURE 3-30. PISTON PUMP ASSEMBLY



ART_1001101331

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FIGURE 3-30. PISTON PUMP ASSEMBLY

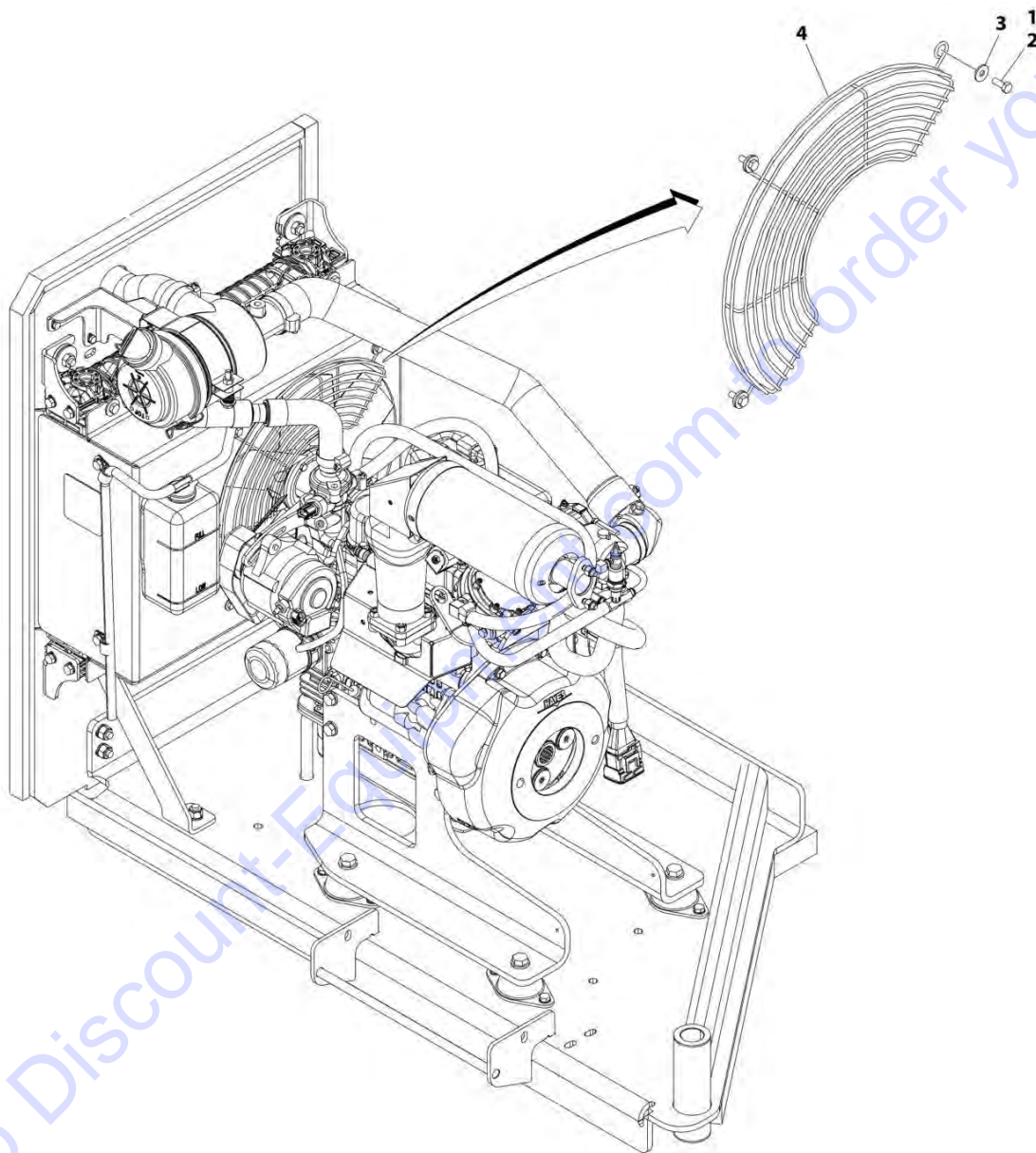
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001101331	Ref	PISTON PUMP ASSEMBLY	E
1	70002132	2	Pin	
2	70002133	2	Plug Assembly (Includes Item 3)	
3	7007207	2	O-Ring (Part of Item 2)	
4	7007419	2	Plug Assembly (Includes Item 5)	
5	7007418	2	O-Ring (Part of Item 4)	
6	70002134	2	Screen	
7	70002135	1	Cylinder Block Kit (Includes Items 8-16)	
8	70002136	1	Piston Assembly Kit (Includes Qty 9 Piston Assemblies) (Part of Item 7)	
9	70002137	1	Guide, Slipper Retainer (Part of Item 7)	
10	70002138	1	Retainer, Slipper (Part of Item 7)	
11	7021275	3	Pin, Slipper Retainer Hold Down (Part of Item 7)	
12	70002143	1	Cylinder Block Assembly (Includes Items 13-16) (Part of Item 7)	
13	70002139	1	Spring (Part of Item 12)	
14	70002140	1	Washer (Part of Item 12)	
15	70002141	1	Washer (Part of Item 12)	
16	70002142	1	Ring, Retaining (Part of Item 12)	
17	7007446	1	Pin	
18	70002144	1	Plate, CW Valve	
19	70002145	1	Swash Plate Bearing Kit (Includes Qty 2 Bearings)	
20	70002146	1	EDC Kit (Includes Items 21-31)	
21	70002147	2	Solenoid Valve Assembly (Includes Item 22 & 23) (Part of Item 20)	
22	70002148	2	O-Ring (1 Per Valve Assembly) (Part of Item 21)	
23	70002149	2	Coil, Nut and Seals Kit (1 Per Valve Assembly) (Part of Item 21)	
24	70002150	6	Screw (Part of Item 20)	
25	7022301	1	Nut, Seal (Part of Item 20)	
26	70002151	1	Plug Assembly (Part of Item 20) (Includes Item 27)	
27	7007207	1	O-Ring (Part of Item 26)	
28	70002134	1	Screen (Part of Item 20)	
29	70002153	1	Ring, Locking (Part of Item 20)	
30	70002154	1	Gasket, Control (Part of Item 20)	
31	70002156	6	Capscrew (Part of Item 20)	
32	70002152	1	Swash Plate	
33	70002155	1	Link, Swash Plate	
34	70002157	2	Pin, Dowel	
35	70002158	1	Servo Piston Assembly (Includes Items 36-38)	
36	70002159	1	Block, Slider (Part of Item 35)	
37	70002160	2	O-Ring (Part of Item 35)	
38	70002161	2	Ring, Piston (Part of Item 35)	
39	70002162	1	Cylinder, Servo	
40	70002162	1	Cylinder, Servo	
41	70002163	2	O-Ring	
42	70002164	2	Plate, Locking	
43	70002165	4	Screw	
44	70002166	2	Orifice	
45	70002167	1	Cap, End (Includes Item 58)	
46	70002168	1	Gasket, End Cap	
47	70002158	1	Plug Assembly (Includes Item 48)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	7021256	1	O-Ring (Part of Item 47)	
49	70001958	1	Plug Assembly (Includes Item 50)	
50	7021256	1	O-Ring (Part of Item 49)	
51	70001958	1	Plug Assembly (Includes Item 52)	
52	7021256	1	O-Ring (Part of Item 51)	
53	70001958	1	Plug Assembly (Includes Item 54)	
54	7021256	1	O-Ring (Part of Item 53)	
55	70002169	4	Capscrew	
56	70002170	2	Capscrew	
57	70002132	2	Pin	
58	70002172	1	Bearing, Journal (Part of Item 45)	
59	7022340	2	Bracket, Lifting	
60	70002165	2	Screw	
61	See Note	1	Housing (Note: Purchase p/n 1001101331)	
62	70002175	1	Shaft	
63	70002176	1	Ball Bearing Kit	
64	70007439	1	Ring, Retaining	
65	70002174	1	Shaft Seal Kit (Includes Items 66-68) (Note: This is a universal kit and will contain extra pieces that are not used on this pump assembly.)	
66	70002177	1	Seal, Lip	
67	70002178	1	O-Ring	
68	70002179	1	Ring, Retaining	
69	70002180	1	Adapter	
70	70002181	1	Seal, Adapter	
71	70002182	1	Coupling	
72	70002185	4	Capscrew	
73	70002186	1	Plate, Thrust	
74	70002188	2	High Pressure Relief Valve Cartridge Assembly (Includes Item 75 & 76)	
75	70002187	2	O-Ring (1 Per Cartridge) (Part of Item 74)	
76	7007415	2	O-Ring (1 Per Cartridge) (Part of Item 74)	
77	70002189	1	Charge Pump Kit (Includes Item 78)	
78	70002190	2	Ring, Seal (Part of Item 77)	
79	7023964	1	Plug Assembly (Includes Item 80)	
80	7007415	1	O-Ring (Part of Item 79)	
81	70002191	1	Charge Relief Valve Cartridge Assembly (Includes Item 82 & 83)	
82	70002187	1	Nut, Seal (Part of Item 81)	
83	7007415	1	O-Ring (Part of Item 81)	
84	70002192	1	Overhaul Seal Kit (Includes Items 3, 5, 22, 27, 30, 37, 38, 41, 48, 50, 52, 54, 66, 67, 70, 75, 76, 78, 82 & 83)	

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FIGURE 3-31. FAN GUARD INSTALLATION - KUBOTA



ART_1001220614

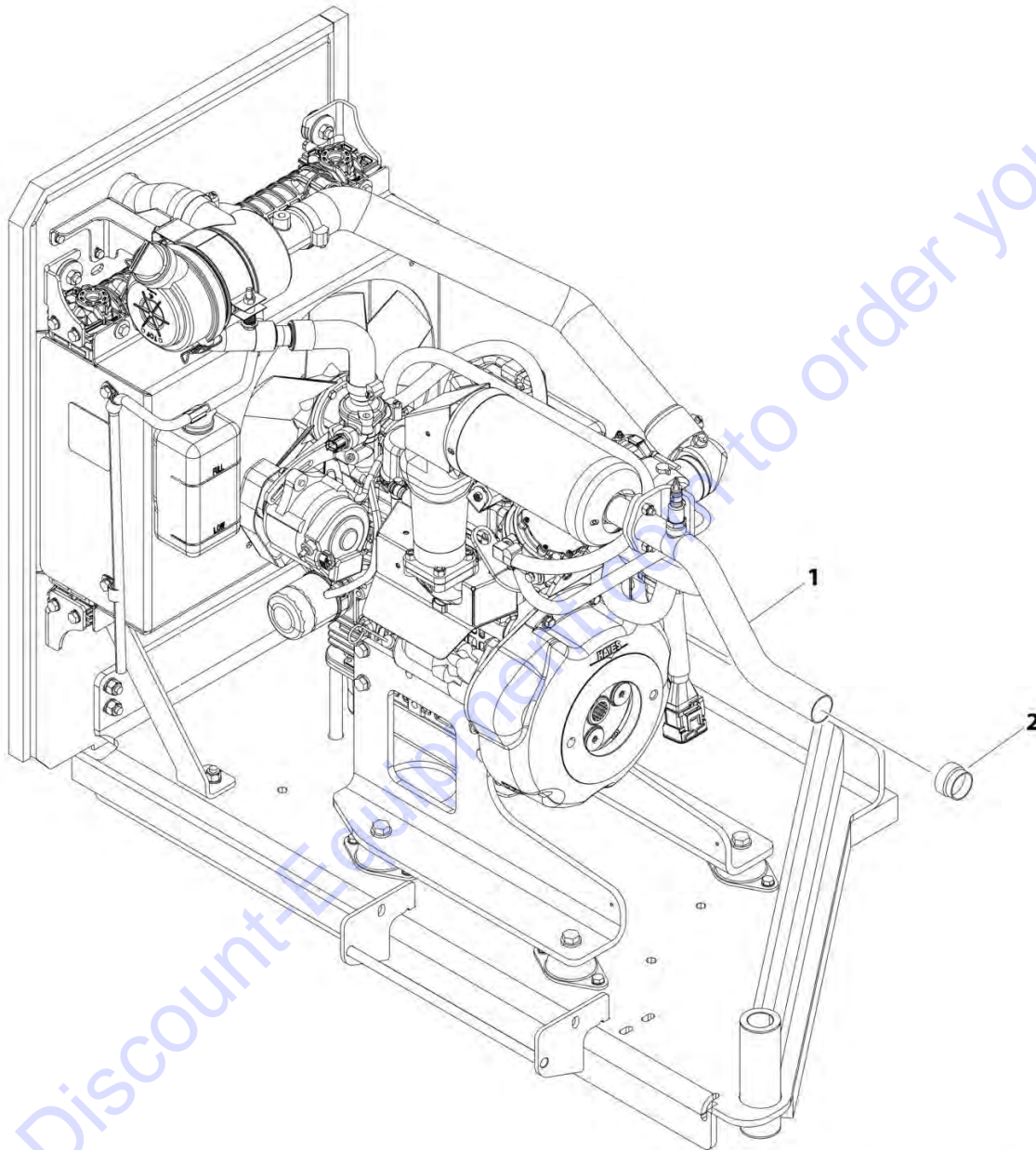
FIGURE 3-31. FAN GUARD INSTALLATION - KUBOTA

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220614	Ref	FAN GUARD INSTALLATION - KUBOTA	A
1	0100011	AR	Compound, Locking	
2	0760608	3	Bolt M6 x 16	
3	4811702	3	Washer M6	
4	1001220613	1	Shroud, Fan Guard	

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FIGURE 3-32. SPARK ARRESTOR MUFFLER - OPTIONAL (GASOLINE ENGINES)



ART_1001187703

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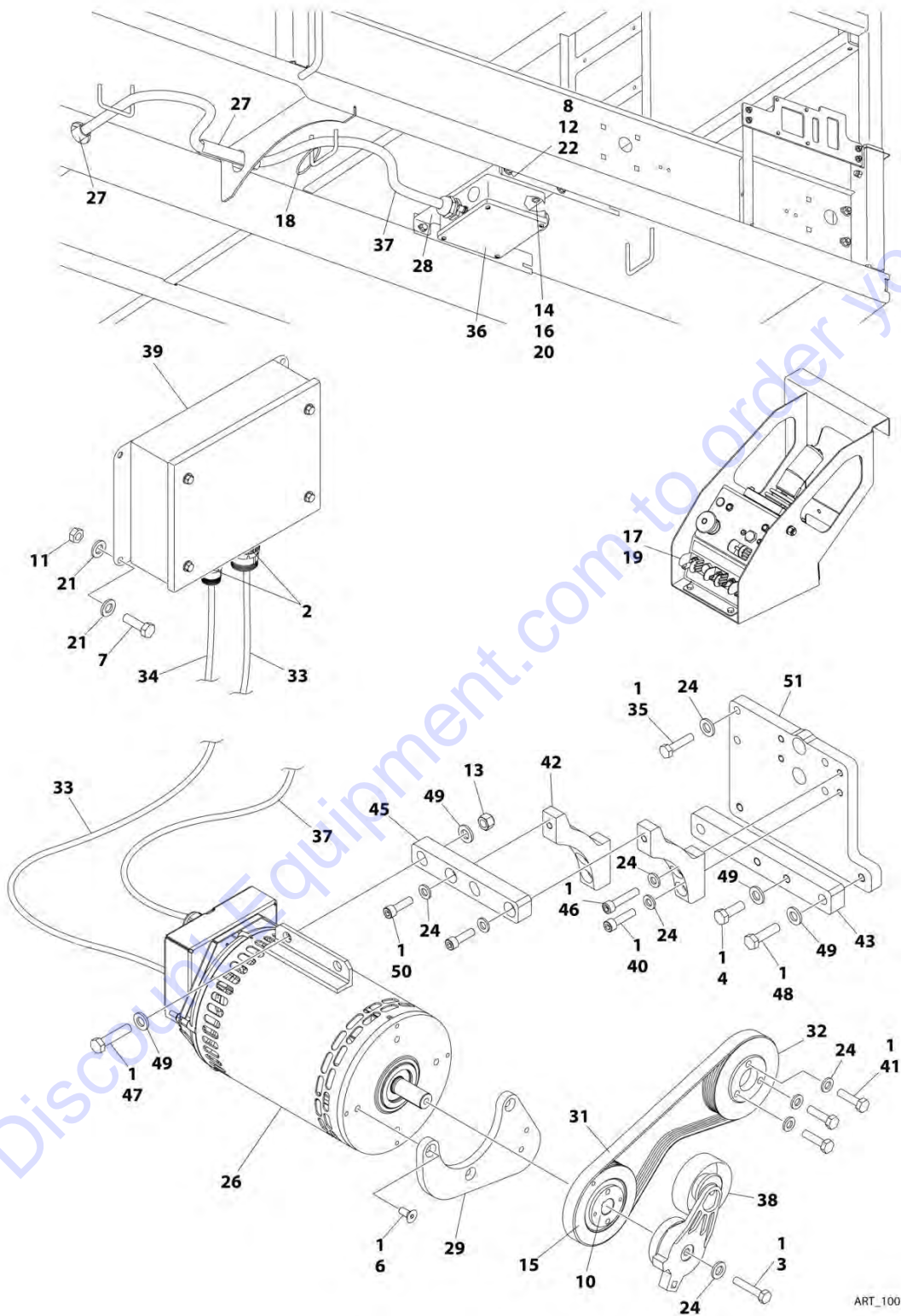
FIGURE 3-32. SPARK ARRESTOR MUFFLER - OPTIONAL (GASOLINE ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187703	Ref	SPARK ARRESTOR MUFFLER - OPTIONAL (GASOLINE ENGINES)	A
1	1001219775	1	Arrestor, Spark	
2	1001219826	1	Pipe, Exhaust	

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FIGURE 3-33. GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL STAGE III)



ART_1001181217

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FIGURE 3-33. GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL STAGE III)

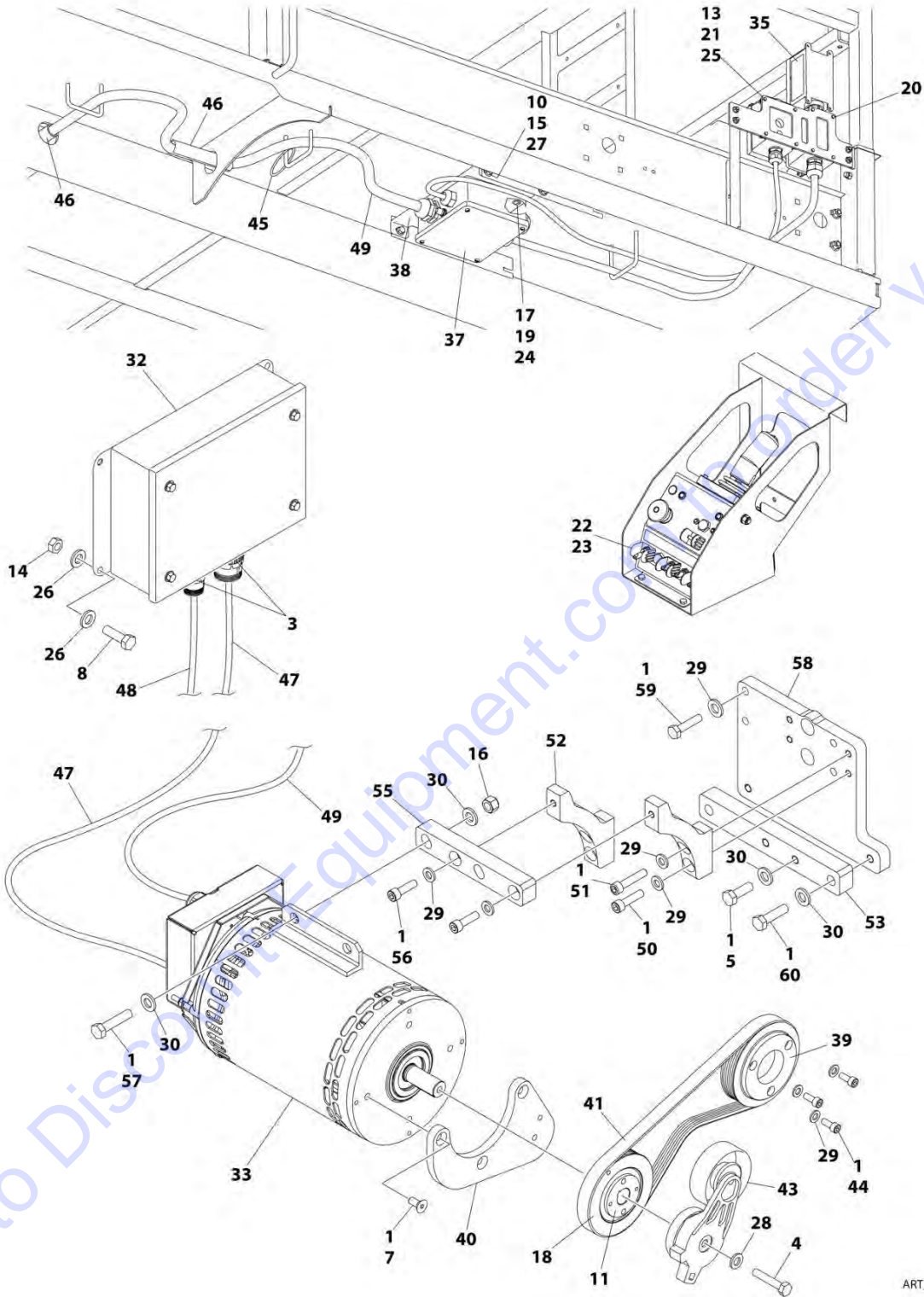
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181217	Ref	GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL STAGE III)	F
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
3	0701019	1	Bolt M10 x 55	
4	0701215	2	Bolt M12 x 35	
6	0741607	3	Bolt 3/8-16 x .88	
7	0760610	4	Bolt M6 x 20	
8	0780810	4	Bolt M8 x 20	
10	0962520	1	Bushing, Taper	
11	3290605	4	Nut M6	
12	3290805	4	Nut M8	
13	3291201	2	Nut M12	
14	3311005	4	Nut #10	
15	3580318	1	Pulley, Generator	
16	3931016	4	Screw #10 x 1	
17	4060802	1	Guard, Switch	
18	4240017	2	Tie Strap	
19	4360482	1	Switch, Toggle	
20	4751000	4	Washer #10	
21	4811700	8	Washer M6	
22	4811900	4	Washer M8	
24	5241000	AR	Washer M10	
26	1001140347	1	Generator Assembly	
26	70003709	1	Ring, Retaining (External)	
26	70003708	1	Ring, Retaining (Internal)	
26	70001966	1	Bearing	
26	70004092	1	Endbell (Shaft End)	
26	70004099	1	Key	
26	70004676	1	Rotor	
26	70004686	1	Stator	
26	70004678	1	Endbell (Rear)	
26	70004679	1	Cover, Endbell (Rear)	
26	70004680	1	Enclosure, Wiring	
26	70004681	1	Cover, Enclosure	
26	70004682	1	Switch, Reset (Located on Enclosure Cover)	
26	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
26	4460224	1	Receptacle, Female - 6 Position (Connects to Harness)	
26	4460268	1	Pin, Male (Connects to Harness)	
26	4460807	6	Seal, Pin (Connects to Harness)	
26	4460808	1	Seal, Interface (Connects to Harness)	
27	1001151080	2	Conduit, Split Poly	
28	1001166732	1	Support	
29	1001184162	1	Bracket	
31	1001184163	1	Belt (Prior to SN E200000730)	
31	1001244939	1	Belt (SN E200000730 to Present)	
32	1001185510	1	Pulley (Prior to SN E200000730)	
32	1001244937	1	Pulley (SN E200000730 to Present)	
33	1001236444	1	Harness, 4000W Generator Control - Generator to Control Box (See Separate Breakdown in ELECTRICAL SECTION)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
34	1001186826	1	Harness, 4000W Generator Control - Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
35	1001207285	AR	Bolt M10 x 45	
36	1001187197	1	Junction Box Assembly - 4000W Generator(Australian and CE Specs) (See Separate Breakdown in this Section)	
37	1001236445	1	Cable, Electrical 10/4	
38	3580317	1	Pulley, Belt Tensioner	
39	1001138566	1	Box, Generator Control 4000W Generator 50Hz	
39	70006552	1	Capacitor	
39	70006553	1	Relay	
40	5272012	AR	Bolt M10 x 40	
41	1001119929	AR	Bolt M10 x 35	
42	1001202532	2	Generator Arm Mount Bracket	
43	1001208340	1	Generator Bracket	
45	1001202536	1	Plate	
46	4032014	AR	Bolt M10 x 50	
47	0701219	AR	Bolt M12 x 55	
48	0701217	AR	Bolt M12 x 45	
49	5241200	AR	Washer M12	
50	5272011	AR	Bolt M10 x 35	
51	1001208339	1	Generator Mount Bracket	

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FIGURE 3-34. GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL T4F)



ART_100117770

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FIGURE 3-34. GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL T4F)

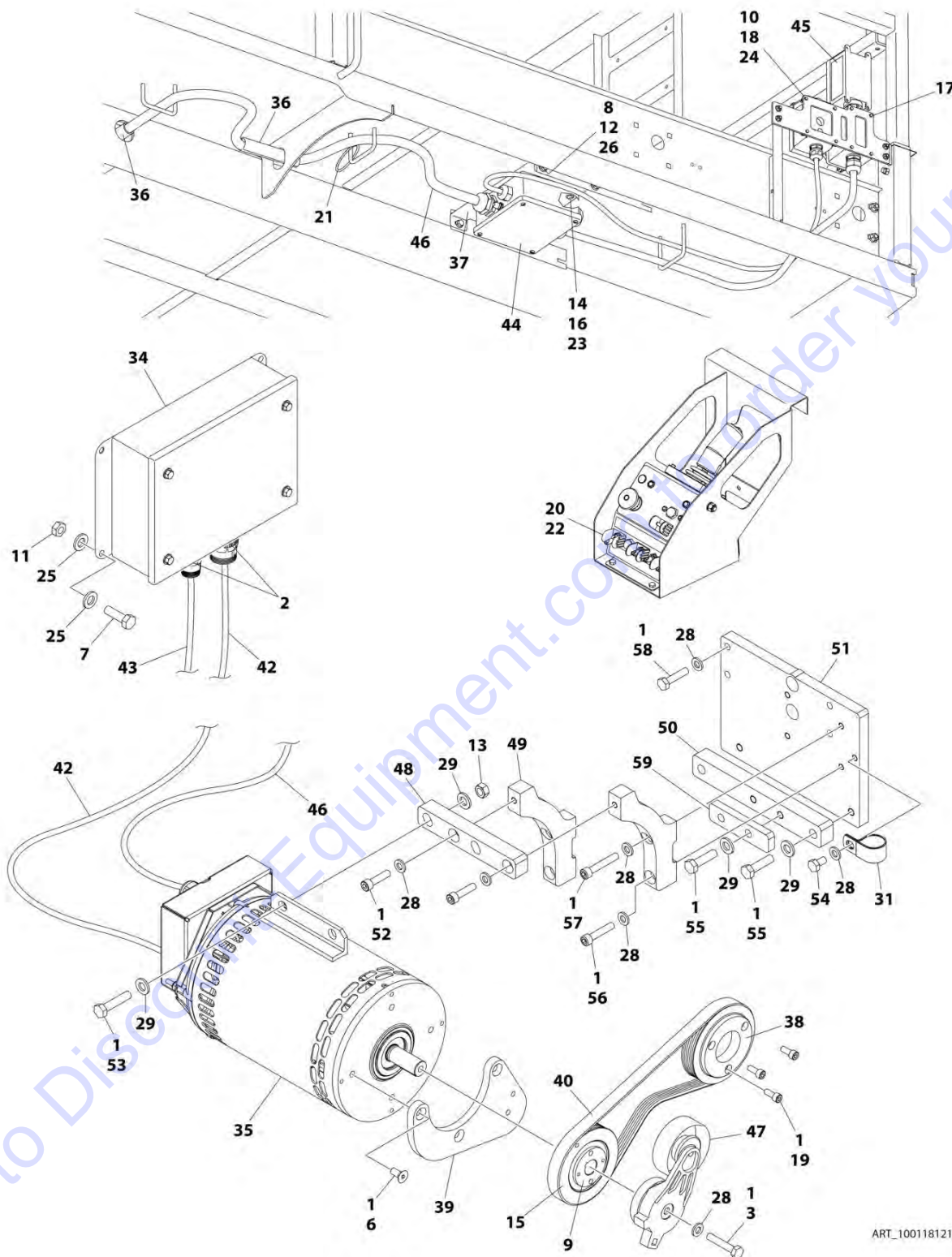
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177770	Ref	GENERATOR INSTALLATION - 4000W (KUBOTA DIESEL T4F)	H
1	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
4	0701019	1	Bolt M10 x 55	
5	0701215	2	Bolt M12 x 35	
7	0741607	3	Bolt 3/8 x .88	
8	0760610	4	Bolt M6 x 20	
10	0780810	4	Bolt M8 x 20	
11	0962520	1	Bushing, Taper	
13	3290405	4	Nut M4	
14	3290605	4	Nut M6	
15	3290805	4	Nut M8	
16	3291201	2	Nut M12	
17	3311005	4	Nut #10	
18	3580318	1	Pulley, Generator	
19	3931016	4	Screw #10 x 1	
20	3940804	4	Self, Tapping	
21	4010408	4	Screw M4 x 16	
22	4060802	1	Guard, Switch	
23	4360482	1	Switch, Toggle	
24	4751000	4	Washer #10	
25	4811400	4	Washer M4	
26	4811700	8	Washer M6	
27	4811900	4	Washer M8	
28	4812000	1	Washer M10	
29	5241000	AR	Washer M10	
30	5241200	AR	Washer M12	
32	1001138566	1	Box, Generator Control (4000W Generator - 60Hz)	
32	70006552	1	Capacitor	
32	70006553	1	Relay	
33	1001140346	1	Generator Assembly	
33	70003709	1	Ring, Retaining (External)	
33	70003708	1	Ring, Retaining (Internal)	
33	70001966	1	Bearing	
33	70004092	1	Endbell (Shaft End)	
33	70004099	1	Key	
33	70004676	1	Rotor	
33	70004687	1	Stator	
33	70004678	1	Endbell (Rear)	
33	70004679	1	Cover, Endbell (Rear)	
33	70004680	1	Enclosure, Wiring	
33	70004685	1	Cover, Enclosure	
33	70004682	1	Switch, Reset (Located on Enclosure Cover)	
33	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
33	4460224	1	Receptacle, Female - 6 Position (Connects to Harness	
33	4460268	1	Pin, Male (Connects to Harness)	
33	4460807	6	Seal, Pin (Connects to Harness)	
33	4460808	1	Seal, Interface (Connects to Harness)	
35	1001187092	1	Platform Receptacle Assembly (See Separate Breakdown in ELECTRICAL SECTION)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37	1001186828	1	Junction Box Assembly - 4000W Generator (All Specs Except Australian and CE Specs) (See Separate Breakdown in this Section)	
38	1001166732	1	Support	
39	1001183726	1	Pulley	
40	1001184162	1	Bracket	
41	1001184235	1	Belt	
43	3580317	1	Pulley, Belt Tensioner	
44	1001186919	3	Bolt M10 x 40	
45	4240017	2	Tie Strap	
46	1001151080	2	Conduit, Split Poly	
47	1001236444	1	Harness, 4000W Generator Control - Generator to Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
48	1001186826	1	Harness, 4000W Generator Control - Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
49	1001236445	1	Cable, Electrical 10/4	
50	5272012	AR	Bolt M10 x 40	
51	4032014	AR	Bolt M10 x 50	
52	1001202532	2	Generator Arm Mount Bracket	
53	1001208340	1	Generator Bracket	
55	1001202536	1	Plate	
56	5272011	AR	Bolt M10 x 35	
57	0701219	AR	Bolt M12 x 55	
58	1001208339	1	Generator Mount Bracket	
59	1001207285	AR	Bolt M10 x 45 Grade 10.9	
60	0701217	AR	Bolt M12 x 45	

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FIGURE 3-35. GENERATOR INSTALLATION - 4000W (KUBOTA GASOLINE) (DUAL FUEL)



ART_1001181216

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FIGURE 3-35. GENERATOR INSTALLATION - 4000W (KUBOTA GASOLINE) (DUAL FUEL)

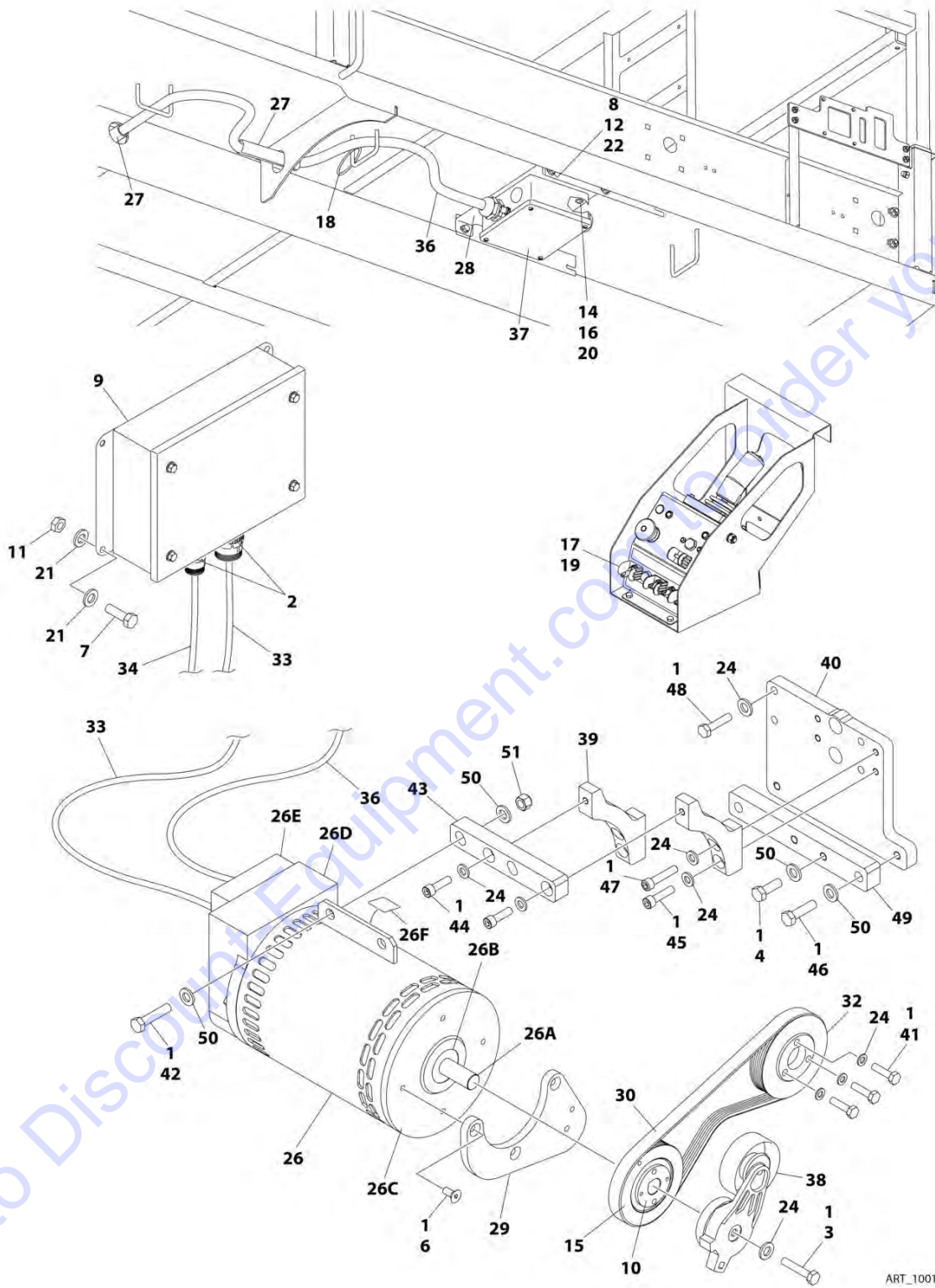
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181216	Ref	GENERATOR INSTALLATION - 4000W (KUBOTA GASOLINE) (DUAL FUEL)	G
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
3	0701019	1	Bolt M10 x 55	
6	0741607	3	Bolt 3/8 x .88	
7	0760610	4	Bolt M6 x 20	
8	0780810	4	Bolt M8 x 20	
9	0962520	1	Bushing, Taper	
10	3290405	4	Nut M4	
11	3290605	4	Nut M6	
12	3290805	4	Nut M8	
13	3291201	AR	Nut M12	
14	3311005	4	Nut #10	
15	3580318	1	Pulley, Generator	
16	3931016	4	Screw #10 x 1	
17	3940804	4	Self, Tapping	
18	4010408	4	Screw M4 x 16	
19	4031908	3	Bolt M8 x 20	
20	4060802	1	Guard, Switch	
21	4240017	2	Tie Strap	
22	4360482	1	Switch, Toggle	
23	4751000	4	Washer #10	
24	4811400	4	Washer M4	
25	4811700	8	Washer M6	
26	4811900	4	Washer M8	
28	5241000	AR	Washer M10	
29	5241200	AR	Washer M12	
31	8406302	1	Clamp	
34	1001138566	1	Box, Generator Control (4000W Generator - 60Hz)	
34	70006552	1	Capacitor	
34	70006553	1	Relay	
35	1001140346	1	Generator Assembly	
35	70003709	1	Ring, Retaining (External)	
35	70003708	1	Ring, Retaining (Internal)	
35	70001966	1	Bearing	
35	70004092	1	Endbell (Shaft End)	
35	70004099	1	Key	
35	70004676	1	Rotor	
35	70004687	1	Stator	
35	70004678	1	Endbell (Rear)	
35	70004679	1	Cover, Endbell (Rear)	
35	70004680	1	Enclosure, Wiring	
35	70004685	1	Cover, Enclosure	
35	70004682	1	Switch, Reset (Located on Enclosure Cover)	
35	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
35	4460224	1	Receptacle, Female - 6 Position (Connects to Harness)	
35	4460268	1	Pin, Male (Connects to Harness)	
35	4460807	6	Seal, Pin (Connects to Harness)	
35	4460808	1	Seal, Interface (Connects to Harness)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36	1001151080	2	Conduit, Split Poly	
37	1001166732	1	Support	
38	1001181211	1	Pulley	
39	1001184162	1	Bracket	
40	1001184163	1	Belt	
42	1001236444	1	Harness, 4000W Generator Control - Generator to Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
43	1001186826	1	Harness, 4000W Generator Control - Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
44	1001186828	1	Junction Box Assembly - 4000W Generator (All Specs Except Australian and CE Specs) (See Separate Breakdown in this Section)	
45	1001187092	1	Platform Receptacle Assembly (See Separate Breakdown in ELECTRICAL SECTION)	
46	1001236445	1	Cable, Electrical 10/4	
47	3580317	1	Belt	
48	1001202759	1	Plate	
49	1001202760	2	Generator Arm Mount Bracket	
50	1001208340	1	Generator Bracket	
51	1001202764	1	Plate	
52	5272012	AR	Bolt M10 x 40	
53	0701219	AR	Bolt M12 x 55	
54	0761009	AR	Bolt M10 x 18	
55	0701217	AR	Bolt M12 x 45	
56	4032014	AR	Bolt M10 x 50	
57	4032016	AR	Bolt M10 x 60	
58	1001207285	AR	Bolt M10 x 45 Grade 10.9	
59	1001210645	1	Plate	

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FIGURE 3-36. GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL STAGE III)



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FIGURE 3-36. GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL STAGE III)

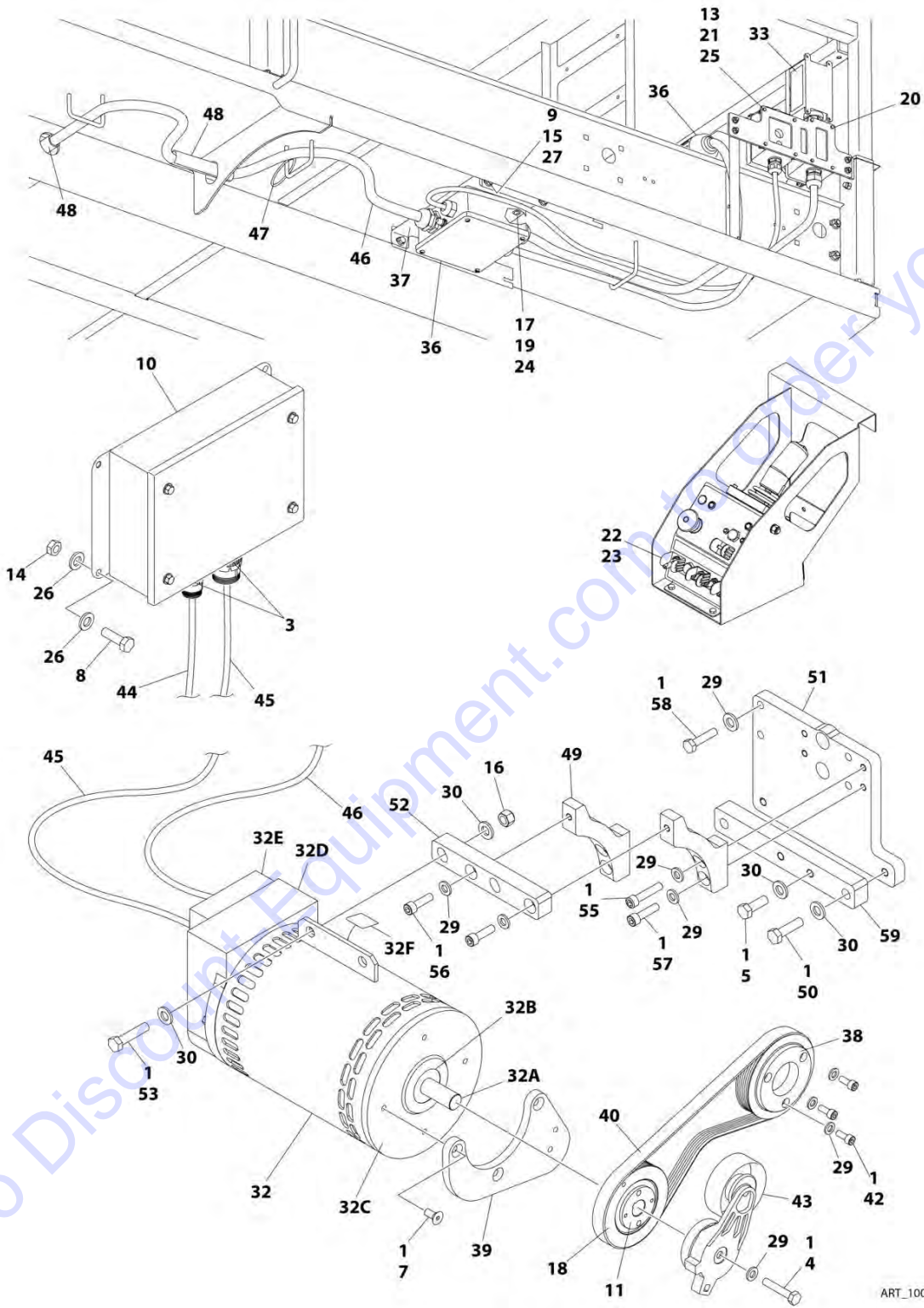
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181140	Ref	GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL STAGE III)	G
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
3	0701019	1	Bolt M10 x 55	
4	0701215	2	Bolt M12 x 35	
6	0741607	3	Bolt 3/8 x .88	
7	0760610	4	Bolt M6 x 20	
8	0780810	4	Bolt M8 x 20	
9	0861572	1	Box, Generator Control 7500W Generator 50Hz	
10	0962520	1	Bushing, Taper	
11	3290605	4	Nut M6	
12	3290805	4	Nut M8	
14	3311005	4	Nut #10	
15	3580318	1	Pulley, Generator	
16	3931016	4	Screw #10 x 1	
17	4060802	1	Guard, Switch	
18	4240017	2	Tie Strap	
19	4360482	1	Switch, Toggle	
20	4751000	4	Washer #10	
21	4811700	8	Washer M6	
22	4811900	4	Washer M8	
24	5241000	AR	Washer M10	
26	1001212223	1	Generator Assembly	A
26	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
26	70001384	1	Bearing, Ball Radial (Not Shown)	
26	70000863	1	Fan (Not Shown)	
26	70006093	1	Stator (Not Shown)	
26	70002297	1	Stud	
26	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
26A	70004099	1	Key	
26B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
26B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
26B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
26C	70004092	1	Endbell, Belt Tensioner	
26D	70004094	1	Endbell, Brush Block	
26E	70006094	1	Shroud	
26E	70002291	1	Insulator, Endbell	
26E	7027799	1	Block, Connector 6 Position (Not Shown)	
26E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
26E	70006095	1	Breaker, Circuit 30Amp	
26E	70006096	1	Boot, Breaker	
26E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown)	
26E	7026597	1	Connector, with Leads (Not Shown)	
26E	70004098	1	Clamp, Cable	
26E	70006097	1	Plate, End Panel	
26E	70001974	1	Decal - Terminal Connections	
26F	70001973	1	Decal - Warning Moving Parts	
27	1001151080	2	Conduit, Split Poly	
28	1001166732	1	Support	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	1001184162	1	Bracket	
30	1001184163	1	Belt (Prior to SN E200000730)	
30	1001244939	1	Belt (SN E200000730 to Present)	
32	1001185510	1	Pulley (Prior to SN E200000730)	
32	1001244937	1	Pulley (SN E200000730 to Present)	
33	1001236442	1	Harness, 7500W Generator Control - Generator to Generator Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
34	1001186822	1	Harness, 7500W Generator Control - Generator Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
36	1001236443	1	Cable, Electrical 8/5	
37	1001187197	1	Junction Box Assembly - 7500W Generator (Australian and CE Specs) (See Separate Breakdown in this Section)	
38	3580317	1	Pulley, Belt Tensioner	
39	1001202532	2	Generator Arm Mount Bracket	
40	1001208339	1	Generator Mount Bracket	
41	1001119929	AR	Bolt M10 x 35	
42	0701219	AR	Bolt M12 x 55	
43	1001202536	1	Plate	
44	5272011	AR	Bolt M10 x 35	
45	5272012	AR	Bolt M10 x 40	
46	0701217	AR	Bolt M12 x 45	
47	4032014	AR	Bolt M10 x 50	
48	1001207285	AR	Bolt M10 x 45 Grade 10.9	
49	1001208340	1	Generator Bracket	
50	5241200	8	Washer M12	
51	3291201	2	Nut M12	
52	0760606	AR	Bolt M6 x 12 (Not Shown)	
53	4871700	AR	Washer M6 (Not Shown)	

SECTION 3 - ENGINE

FIGURE 3-37. GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL T4F)



SECTION 3 - ENGINE

FIGURE 3-37. GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL T4F)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177767	Ref	GENERATOR INSTALLATION - 7500W (KUBOTA DIESEL T4F)	H
1	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
4	0701019	1	Bolt M10 x 55	
5	0701215	2	Bolt M12 x 35	
7	0741607	3	Bolt 3/8 x .88	
8	0760610	4	Bolt M6 x 20	
9	0780810	4	Bolt M8 x 20	
10	0861538	1	Box, Generator Control (7500W Generator - 60Hz)	
11	0962520	1	Bushing, Taper	
13	3290405	4	Nut M4	
14	3290605	4	Nut M6	
15	3290805	4	Nut M8	
16	3291201	AR	Nut M12	
17	3311005	4	Nut #10	
18	3580318	1	Pulley, Generator	
19	3931016	4	Screw #10 x 1	
20	3940804	4	Self, Tapping	
21	4010408	4	Screw M4 x 16	
22	4060802	1	Guard, Switch	
23	4360482	1	Switch, Toggle	
24	4751000	4	Washer #10	
25	4811400	4	Washer M4	
26	4811700	8	Washer M6	
27	4811900	4	Washer M8	
29	5241000	AR	Washer M10	
30	5241200	AR	Washer M12	
32	1001212223	1	Generator Assembly	A
32	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
32	70001384	1	Bearing, Ball Radial (Not Shown)	
32	70000863	1	Fan (Not Shown)	
32	70006093	1	Stator (Not Shown)	
32	70002297	1	Stud	
32	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
32A	70004099	1	Key	
32B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
32B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
32B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
32C	70004092	1	Endbell, Belt Tensioner	
32D	70004094	1	Endbell, Brush Block	
32E	70006094	1	Shroud	
32E	70002291	1	Insulator, Endbell	
32E	7027799	1	Block, Connector 6 Position (Not Shown)	
32E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
32E	70006095	1	Breaker, Circuit 30Amp	
32E	70006096	1	Boot, Breaker (Not Shown)	
32E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown)	
32E	7026597	1	Connector, with Leads (Not Shown)	
32E	70004098	1	Clamp, Cable	
32E	70006097	1	Plate, End Panel	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32E	70001974	1	Decal - Terminal Connections	
32F	70001973	1	Decal - Warning Moving Parts	
33	1001187092	1	Platform Receptacle Assembly (See Separate Breakdown in ELECTRICAL SECTION)	
36	1001187228	1	Junction Box Assembly - 7500W Generator (All Specs Except Australian and CE Specs) (See Separate Breakdown in this Section)	
37	1001166732	1	Support	
38	1001183726	1	Pulley	
39	1001184162	1	Bracket	
40	1001184235	1	Belt	
42	1001186919	3	Bolt M10 x 40	
43	3580317	1	Pulley, Belt Tensioner	
44	1001186822	1	Harness, 7500W Generator Control - Generator Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
45	1001236442	1	Harness, 7500W Generator Control - Generator to Generator Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
46	1001236443	1	Cable, Electrical 8/5	
47	4240017	2	Tie Strap	
48	1001151080	2	Conduit, Split Poly	
49	1001202532	2	Generator Arm Mount Bracket	
50	0701217	AR	Bolt M12 x 45	
51	1001208339	1	Generator Mount Bracket	
52	1001202536	1	Plate	
53	0701219	AR	Bolt M12 x 55	
55	4032014	AR	Bolt M10 x 50	
56	5272011	AR	Bolt M10 x 35	
57	5272012	AR	Bolt M10 x 40	
58	1001207285	AR	Bolt M10 x 45 Grade 10.9	
59	1001208340	1	Generator Bracket	
60	0760606	AR	Bolt M6 x 12 (Not Shown)	
61	4871700	AR	Washer M6 (Not Shown)	

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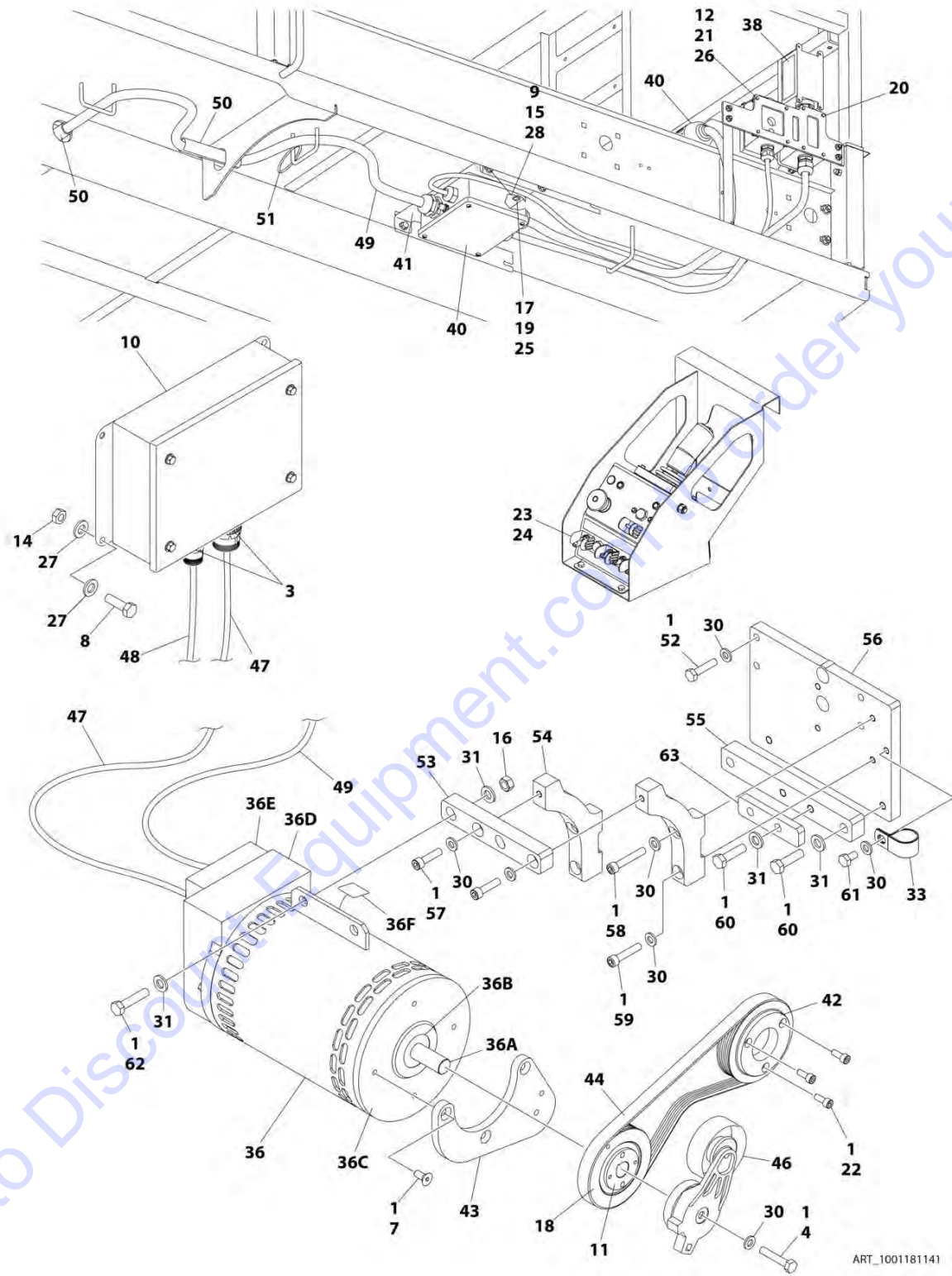
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FIGURE 3-38. GENERATOR INSTALLATION - 7500W (KUBOTA GASOLINE) (DUAL FUEL)



SECTION 3 - ENGINE

FIGURE 3-38. GENERATOR INSTALLATION - 7500W (KUBOTA GASOLINE) (DUAL FUEL)

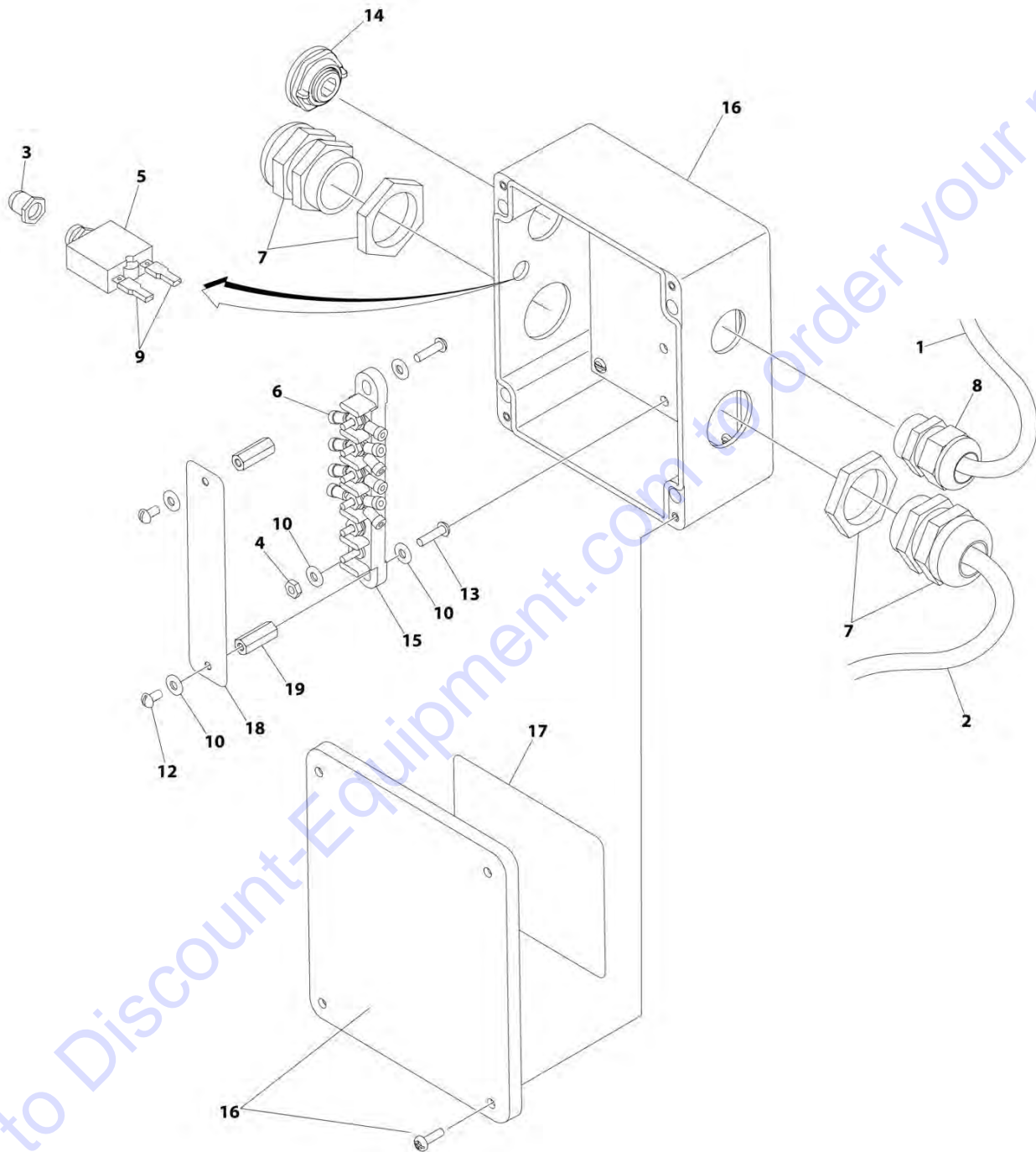
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181141	Ref	GENERATOR INSTALLATION - 7500W (KUBOTA GASOLINE) (DUAL FUEL)	I
1	0100011	AR	Compound, Locking	
3	0100048	AR	Grease, Silicone (Apply to Contactor Connector)	
4	0701019	1	Bolt M10 x 55	
7	0741607	3	Bolt 3/8 x .88	
8	0760610	4	Bolt M6 x 20	
9	0780810	4	Bolt M8 x 20	
10	0861538	1	Box, Generator Control (7500W Generator - 60Hz)	
11	0962520	1	Bushing, Taper	
13	3290405	4	Nut M4	
14	3290605	4	Nut M6	
15	3290805	4	Nut M8	
16	3291201	AR	Nut M12	
17	3311005	4	Nut #10	
18	3580318	1	Pulley, Generator	
19	3931016	4	Screw #10 x 1	
20	3940804	4	Self, Tapping	
21	4010408	4	Screw M4 x 16	
22	4031908	3	Bolt M8 x 20	
23	4060802	1	Guard, Switch	
24	4360482	1	Switch, Toggle	
25	4751000	4	Washer #10	
26	4811400	4	Washer M4	
27	4811700	8	Washer M6	
28	4811900	4	Washer M8	
30	5241000	AR	Washer M10	
31	5241200	AR	Washer M12	
33	8406302	1	Clamp	
36	1001212223	1	Generator Assembly	A
36	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
36	70001384	1	Bearing, Ball Radial (Not Shown)	
36	70000863	1	Fan (Not Shown)	
36	70006093	1	Stator (Not Shown)	
36	70002297	1	Stud	
36	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
36A	70004099	1	Key	
36B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
36B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
36B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
36C	70004092	1	Endbell, Belt Tensioner	
36D	70004094	1	Endbell, Brush Block	
36E	70006094	1	Shroud	
36E	70002291	1	Insulator, Endbell	
36E	7027799	1	Block, Connector 6 Position (Not Shown)	
36E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
36E	70006095	1	Breaker, Circuit 30Amp	
36E	70006096	1	Boot, Breaker (Not Shown)	
36E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown)	
36E	7026597	1	Connector, with Leads (Not Shown)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36E	70004098	1	Clamp, Cable	
36E	70006097	1	Plate, End Panel	
36E	70001974	1	Decal - Terminal Connections	
36F	70001973	1	Decal - Warning Moving Parts	
38	1001187092	1	Platform Receptacle Assembly (See Separate Breakdown in ELECTRICAL SECTION)	
40	1001187228	1	Junction Box Assembly - 7500W Generator (All Specs Except Australian and CE Specs) (See Separate Breakdown in this Section)	
41	1001166732	1	Support	
42	1001181211	1	Pulley	
43	1001184162	1	Bracket	
44	1001184163	1	Belt	
46	3580317	1	Pulley, Belt Tensioner	
47	1001236442	1	Harness, 7500W Generator Control - Generator to Generator Control Box (See Separate Breakdown in ELECTRICAL SECTION)	
48	1001186822	1	Harness, 7500W Generator Control - Generator Control Box to Generator Control (See Separate Breakdown in ELECTRICAL SECTION)	
49	1001236443	1	Cable, Electrical 8/5	
50	1001151080	2	Conduit, Split Poly	
51	4240017	2	Tie Strap	
52	1001207285	AR	Bolt M10 x 45 Grade 10.9	
53	1001202759	1	Plate	
54	1001202760	2	Generator Arm Mount Bracket	
55	1001208340	1	Generator Bracket	
56	1001202764	1	Plate	
57	5272012	AR	Bolt M10 x 40	
58	4032016	AR	Bolt M10 x 60	
59	4032014	AR	Bolt M10 x 50	
60	0701217	AR	Bolt M12 x 45	
61	0761009	AR	Bolt M10 x 18	
62	0701219	AR	Bolt M12 x 55	
63	1001210645	1	Plate	
64	0760606	AR	Bolt M6 x 12 (Not Shown)	
65	4871700	AR	Washer M6 (Not Shown)	

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FIGURE 3-39. JUNCTION BOX ASSEMBLY - 4000W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)



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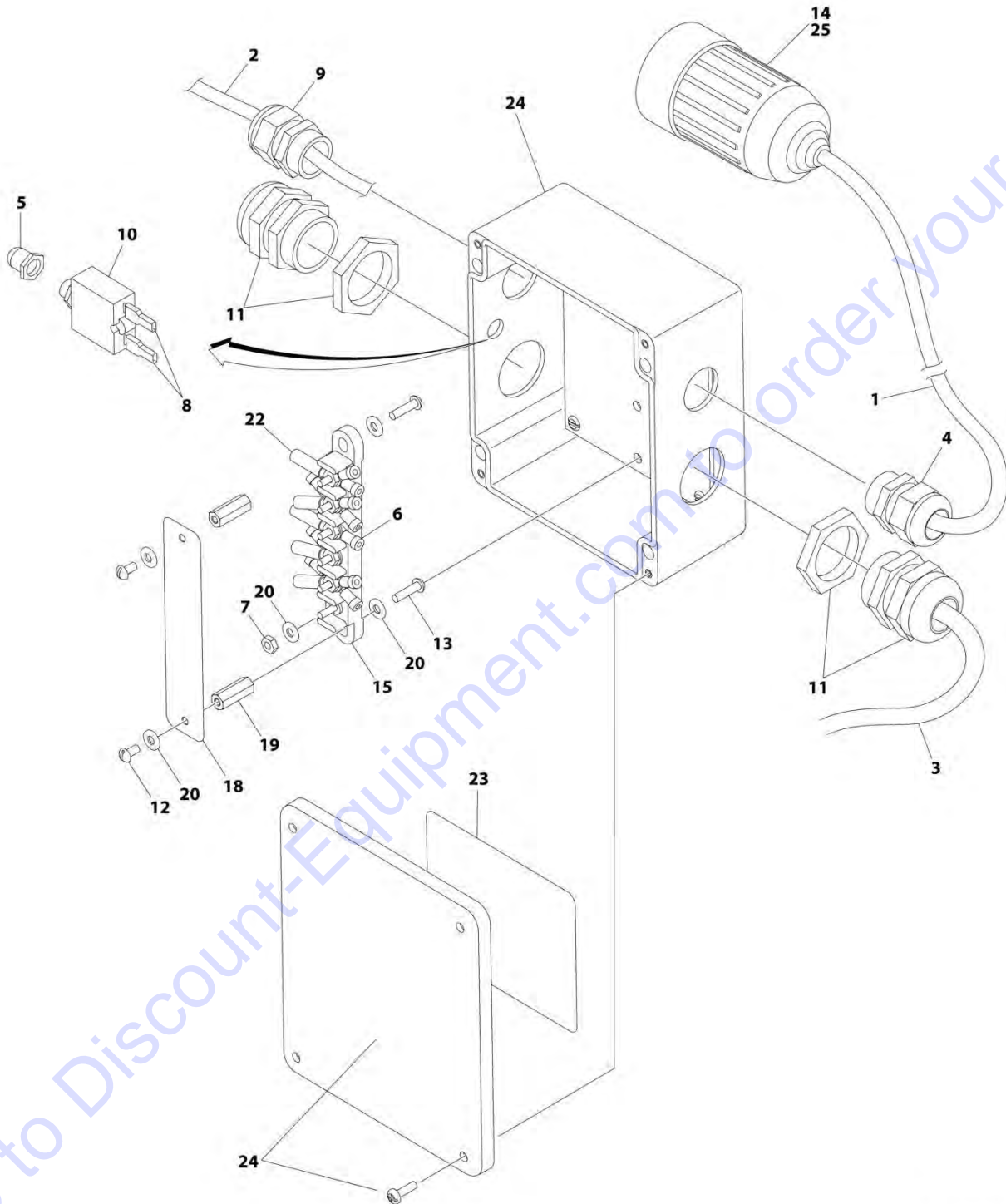
SECTION 3 - ENGINE

FIGURE 3-39. JUNCTION BOX ASSEMBLY - 4000W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186828	Ref	JUNCTION BOX ASSEMBLY - 4000W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)	B
1	1060494	6.8 ft/ 2m	Cable, Electrical - 12/3	
2	1060708	6.8 ft/ 2m	Cable, Electrical - 10/3	
3	3300396	1	Cover, Fuse	
4	3311001	6	Nut, #10-24	
5	4360070	1	Circuit Breaker - 15Amp	
6	4460068	10	Terminal	
7	4460426	2	Connector, Strain Relief	
8	4460425	1	Strain Relief, Terminal	
9	4460483	2	Terminal	
10	4711000	10	Washer, #10	
12	10702077	2	Screw, #10-32 X 3/8	
13	10702082	2	Screw, #10-32 X 3/4	
14	1001152525	1	Plug	
15	1001157520	1	Block, Terminal - 6 Pole	
16	1001157521	1	Box, Junction	
17	1001195517	1	Decal - Wiring Schematic	
18	1001158007	1	Cover	
19	1001158008	2	Stand-Off	

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FIGURE 3-40. JUNCTION BOX ASSEMBLY - 7500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)



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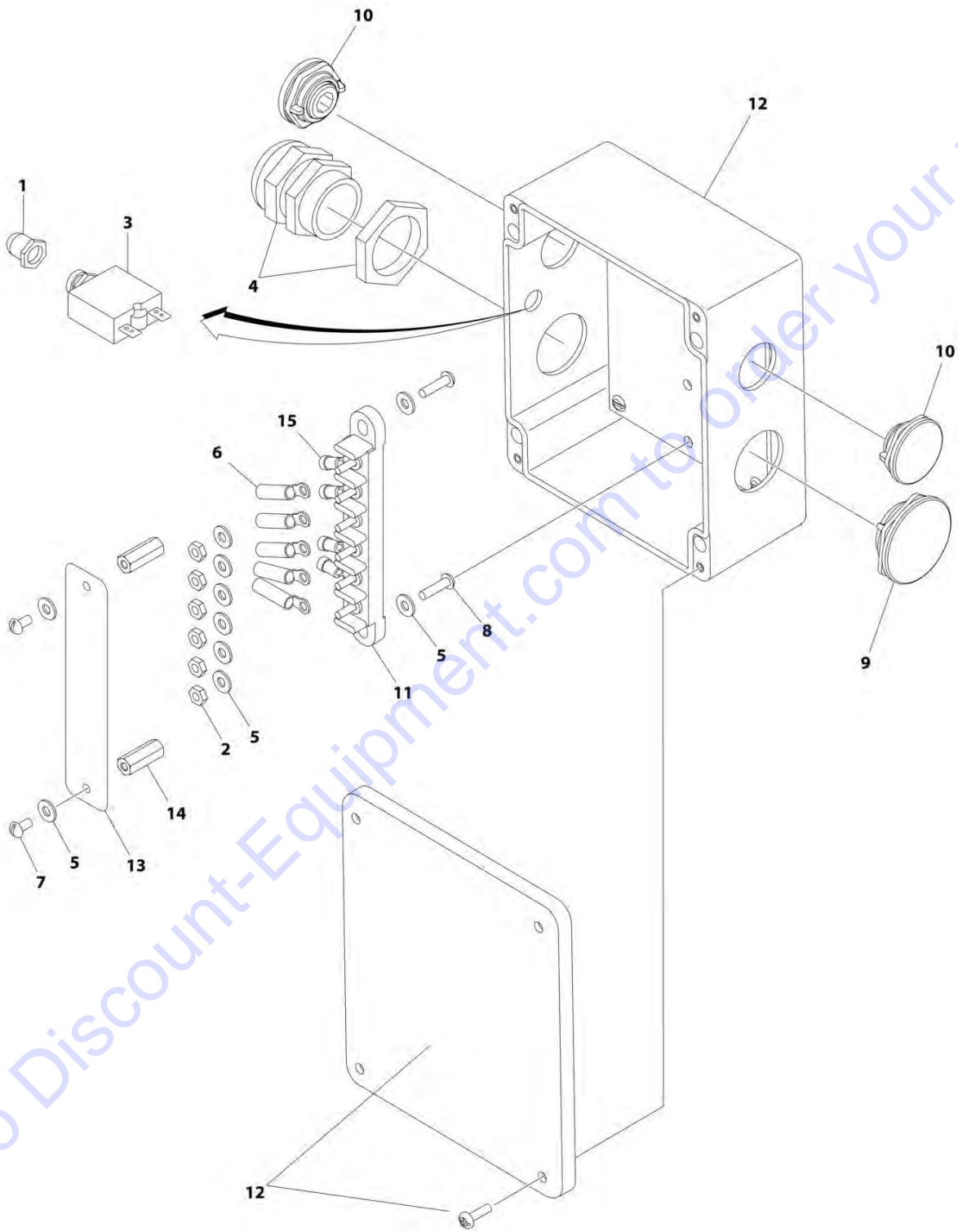
SECTION 3 - ENGINE

FIGURE 3-40. JUNCTION BOX ASSEMBLY - 7500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187228	Ref	JUNCTION BOX ASSEMBLY - 7500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN AND CE SPECS)	A
1	1060343	6.8 ft/ 2m	Cable, Electrical - 10/4	
2	1060494	6.8 ft/ 2m	Cable, Electrical - 12/3	
3	1060708	6.8 ft/ 2m	Cable, Electrical - 10/3	
4	1321692	1	Strain Relief, Terminal	
5	3300396	1	Cover, Fuse	
6	4460068	10	Terminal	
7	3311001	6	Nut, #10-24	
8	4460483	2	Terminal	
9	4460425	1	Strain Relief, Terminal	
10	4360070	1	Circuit Breaker - 15Amp	
11	4460426	2	Connector, Strain Relief	
12	10702077	2	Screw, #10-32 X 3/8	
13	10702082	2	Screw, #10-32 X 3/4	
14	4460963	1	Connector, Turnlock	
15	1001157520	1	Block, Terminal - 6 Pole	
18	1001158007	1	Cover	
19	1001158008	2	Stand-Off	
20	4711000	10	Washer, #10	
22	8220022	5	Terminal, #10 Stud	
23	1001157528	1	Decal - Wiring Schematic	
24	1001187232	1	Box, Junction	
25	1671092	1	Cover, Connector	

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FIGURE 3-41. JUNCTION BOX ASSEMBLY - 4000W/7500W GENERATOR (AUSTRALIAN AND CE SPECS)



ART_1001187197

SECTION 3 - ENGINE

FIGURE 3-41. JUNCTION BOX ASSEMBLY - 4000W/7500W GENERATOR (AUSTRALIAN AND CE SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187197	Ref	JUNCTION BOX ASSEMBLY - 4000W/7500W GENERATOR (AUSTRALIAN AND CE SPECS)	A
1	3300396	1	Cover, Fuse	
2	3311001	6	Nut, #10-24	
3	4360070	1	Circuit Breaker - 15Amp	
4	4460426	1	Connector, Strain Relief	
5	4711000	10	Washer, #10	
6	8220022	5	Terminal, #10 Stud	
7	10702077	2	Screw, #10-32 X 3/8	
8	10702082	2	Screw, #10-32 X 3/4	
9	1001148648	1	Plug	
10	1001152525	2	Plug	
11	1001157520	1	Block, Terminal - 6 Pole	
12	1001157521	1	Box, Junction	
13	1001158007	1	Cover	
14	1001158008	2	Stand-Off	
15	4460068	4	Terminal	

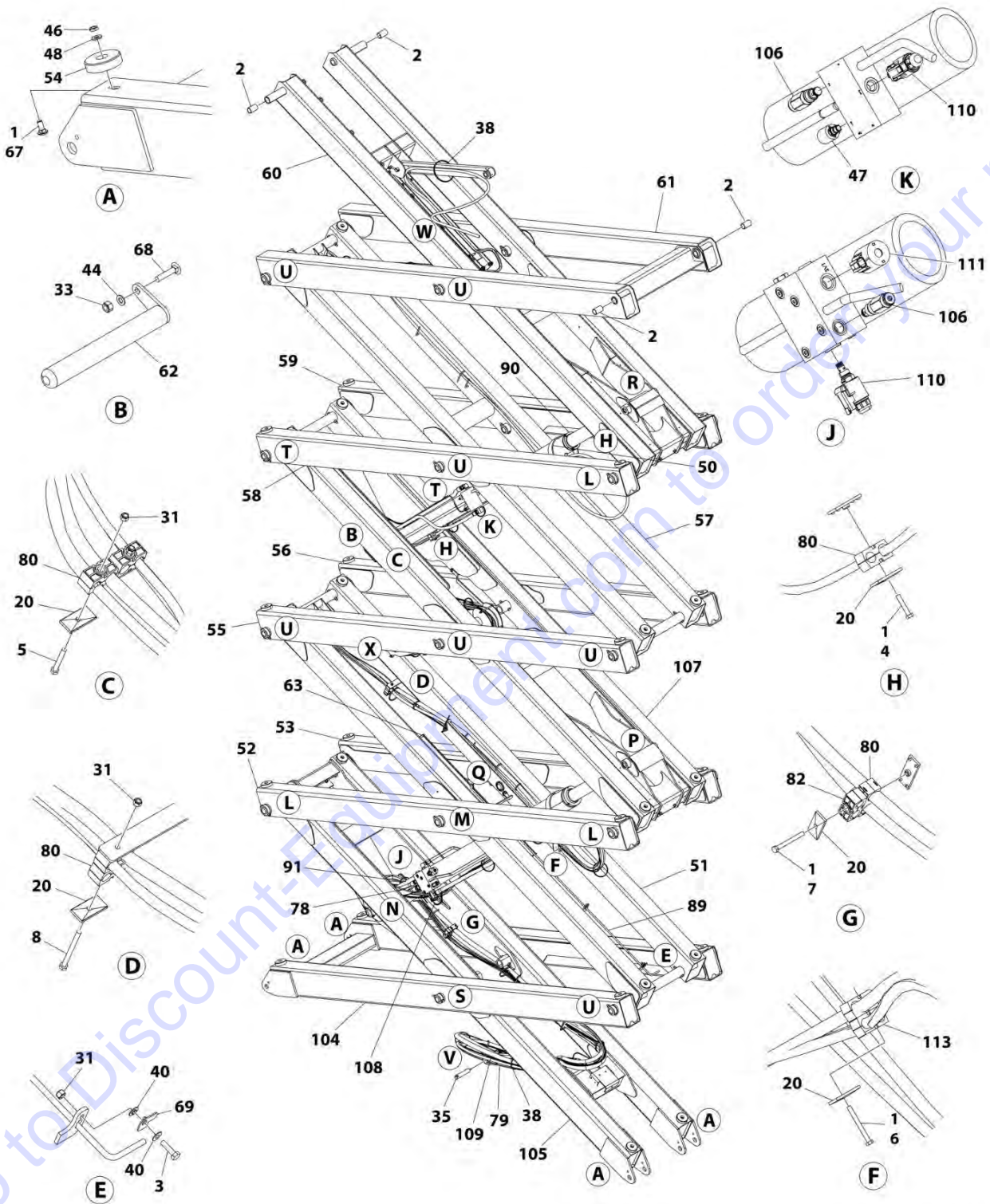
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SECTION 4 - SCISSORS ARMS

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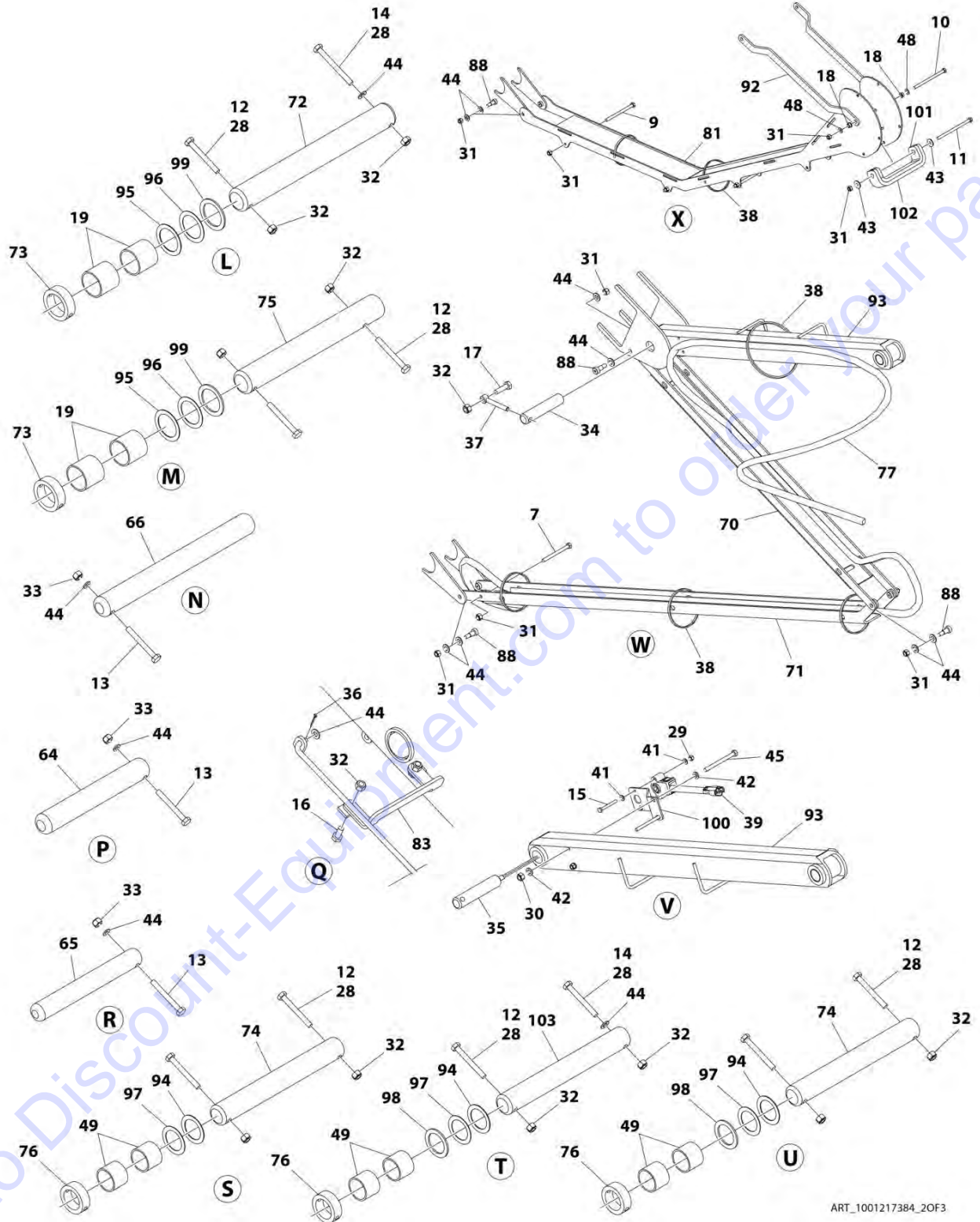
SECTION 4 - SCISSORS ARMS

FIGURE 4-1. SCISSORS ARMS ASSEMBLY



ART_1001217384_10F3

SECTION 4 - SCISSORS ARMS



ART_1001217384_2OF3

SECTION 4 - SCISSORS ARMS

FIGURE 4-1. SCISSORS ARMS ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217384	Ref	SCISSORS ARMS ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0440250	4	Bearing	
3	0700814	1	Bolt M8 x 30	
4	0700817	2	Bolt M8 x 45	
5	0700820	2	Bolt M8 x 60	
6	0700824	1	Bolt M8 x 80	
7	0700826	2	Bolt M8 x 90	
8	0700827	1	Bolt M8 x 100	
9	0700828	6	Bolt M8 x 110	
10	0700830	1	Bolt M8 x 130	
11	0700831	1	Bolt M8 x 140	
12	0711025	44	Bolt M10 x 85	
13	0711026	3	Bolt M10 x 90	
14	0711027	8	Bolt M10 x 100	
15	0760415	2	Bolt M4 x 35	
16	0761012	2	Bolt M10 x 25	
17	0771015	2	Bolt M10 x 35	
18	0962031	2	Bushing, Flange	
19	0962036	16	Bushing	
20	1309435	7	Cover, Clamp	
28	3020039	AR	Lubricant	
29	3290405	2	Nut M4	
30	3290605	2	Nut M6	
31	3290805	23	Nut M8	
32	3291005	56	Nut M10	
33	3331017	4	Nut M10	
34	3422943	2	Pin, Link Pivot	
35	3422963	1	Pin, Link Attach	
36	3450304	1	Pin, Cotter 3/32 x 1	
37	3841143	2	Keeper, Pin	
38	4240018	39	Tie-Strap	
39	4360500	1	Switch, Rotary Angle Sensor	
40	4740455	2	Washer	
41	4811400	4	Washer M4	
42	4811700	4	Washer M6	
43	4811902	2	Washer M8	
44	4812000	31	Washer M10	
45	1001096653	2	Bolt M6 x 70	
46	1001102433	32	Nut M8	
47	1001148972	1	Valve, Solenoid Cartridge	
47	70002401	1	Cartridge Less Coil	
47	7017496	1	Seal Kit - 70002401 & 1001148972 Valve	
47	70003788	1	Coil	
48	1001108588	36	Washer M8	
49	1001118665	36	Bearing	
50	1001143645	2	Strap, Cinch	
51	1001181375	1	Arm, Inner 2	
52	1001181384	1	Arm, Outer 2 (RH)	
53	1001181385	1	Arm, Outer 2 (LH)	

SECTION 4 - SCISSORS ARMS

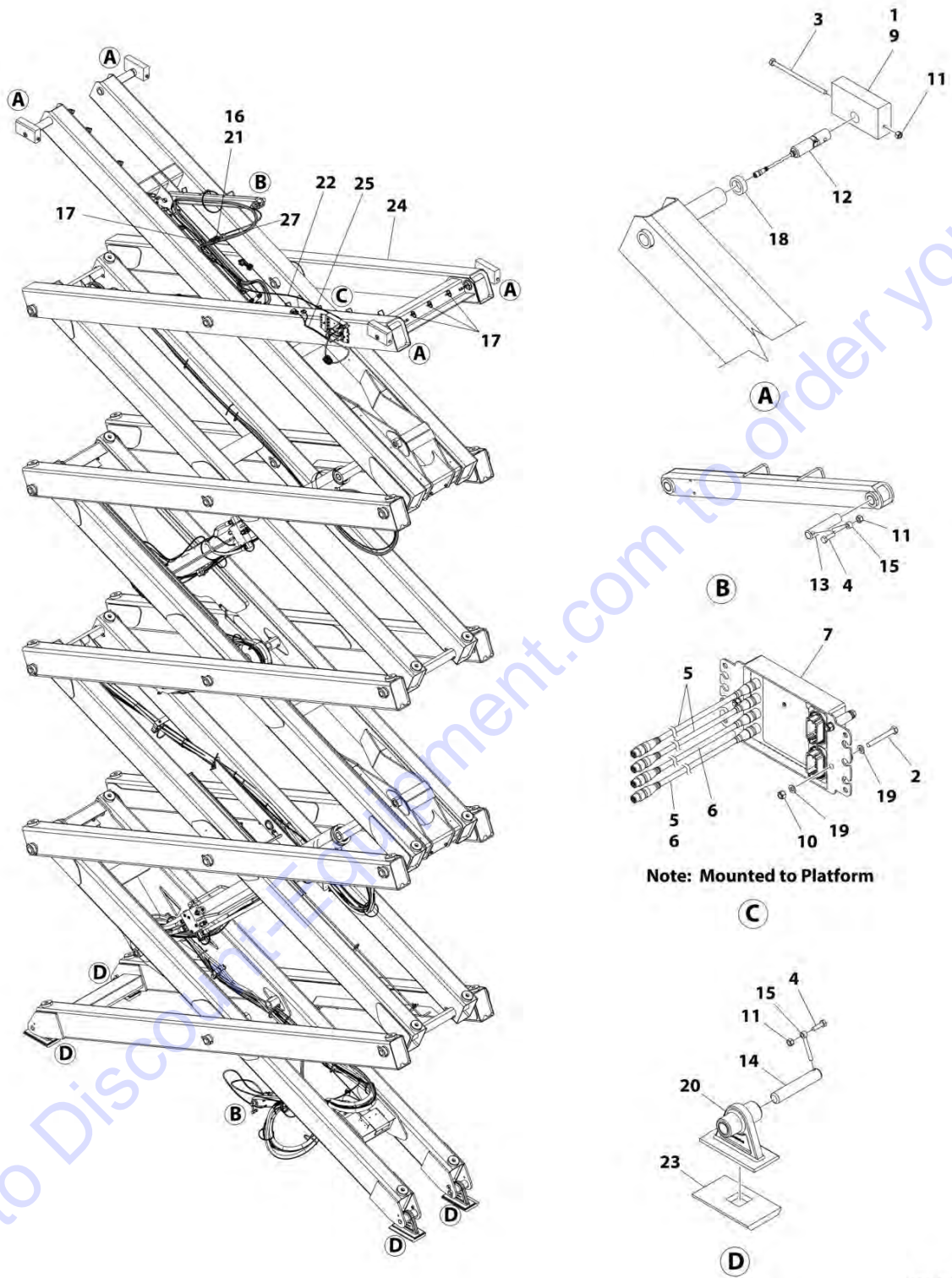
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001181436	32	Bumper	
55	1001181476	1	Arm, Outer 3 (RH)	
56	1001181477	1	Arm, Outer 3 (LH)	
57	1001181479	1	Arm, Inner 4	
58	1001181481	1	Arm, Outer 4 (RH)	
59	1001181482	1	Arm, Outer 4 (LH)	
60	1001181485	1	Arm, Inner 5	
61	1001181486	1	Arm, Outer 5	
62	1001184019	1	Pin	
63	1001185315	2	Prop, Safety	
63	0962224	2	Bearing (1 per Prop)	
64	1001185704	1	Pin	
65	1001185705	1	Pin	
66	1001185706	1	Pin	
67	1001186235	32	Bolt M8 x 20	
68	1001186551	1	Bolt M10 x 50	
69	1001186900	1	Plate, Rod Keeper	
70	1001187185	1	Carrier, Cable	
71	1001187186	1	Channel, Cable Carrier	
72	1001188000	6	Pin	
73	1001188001	8	Collar	
74	1001188345	16	Pin	
75	1001188348	2	Pin	
76	1001188351	18	Collar	
77	1001236865	1	Ground to Platform Harness (See Separate Breakdown in ELECTRICAL SECTION)	
78	1001190522	1	Ground to Lower Lift Cylinder Harness (See Separate Breakdown in ELECTRICAL SECTION)	
79	1001190524	1	Ground to Upper Lift Cylinder Harness (See Separate Breakdown in ELECTRICAL SECTION)	
80	1001191629	7	Clamp	
81	1001191722	1	Plate, Cable Tray	
82	1001191838	1	Clamp	
83	1001193040	1	Bracket	
88	1001193296	10	Bolt M8 x 14	
89	1001193386	1	Rod, Prop Actuator	
90	1001225369	1	Lift Cylinder Assembly - Upper (See Separate Breakdown in CYLINDER SECTION)	
91	1001234703	1	Lift Cylinder Assembly - Lower (See Separate Breakdown in CYLINDER SECTION)	
92	1001194393	2	Plate, Cable Tray	
93	1001195209	2	Link	
93	0962474	4	Bushing	
94	1001197395	AR	Washer	
95	1001197396	AR	Washer	
96	1001197397	AR	Washer	
97	1001197398	AR	Washer	
98	1001197404	AR	Washer	
99	1001197405	AR	Washer	
100	1001202520	1	Bracket, Switch	
101	1001209406	1	Plate	
102	1001209407	1	Bumper	

SECTION 4 - SCISSORS ARMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	1001217300	2	Pin	
104	1001217381	1	Arm, Outer 1	
105	1001217382	1	Arm, Inner 1	
106	1001217888	1	Valve, Cartridge	
106	7024808	1	Seal Kit - 1001217888 Valve	
107	1001218504	1	Arm, Inner 3	
108	1001222343	1	Ground to Auxilary Lower Holding Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
109	1001222344	1	Ground to Auxilary Upper Holding Valve Harness (See Separate Breakdown in ELECTRICAL SECTION)	
110	1001103761	2	Valve, Solenoid Cartridge	
110	7024497	1	Cartridge Less Coil	
110	7024502	1	Seal Kit - 1001103761 & 7024497 Valve	
110	70001965	1	Coil	
110	7024506	1	Nut Kit - Coil	
111	1001206625	1	Valve, Solenoid Cartridge	
111	70006104	1	Cartridge Less Coil	
111	70006105	1	Seal Kit - 1001206625 & 70006104 Valve	
111	70005788	1	Coil	
111	7022390	1	Nut Coil	
113	80933216	2	Clamp	

SECTION 4 - SCISSORS ARMS

FIGURE 4-2. SCISSORS ARMS INSTALLATION WITH AC CABLE



ART_1001237516

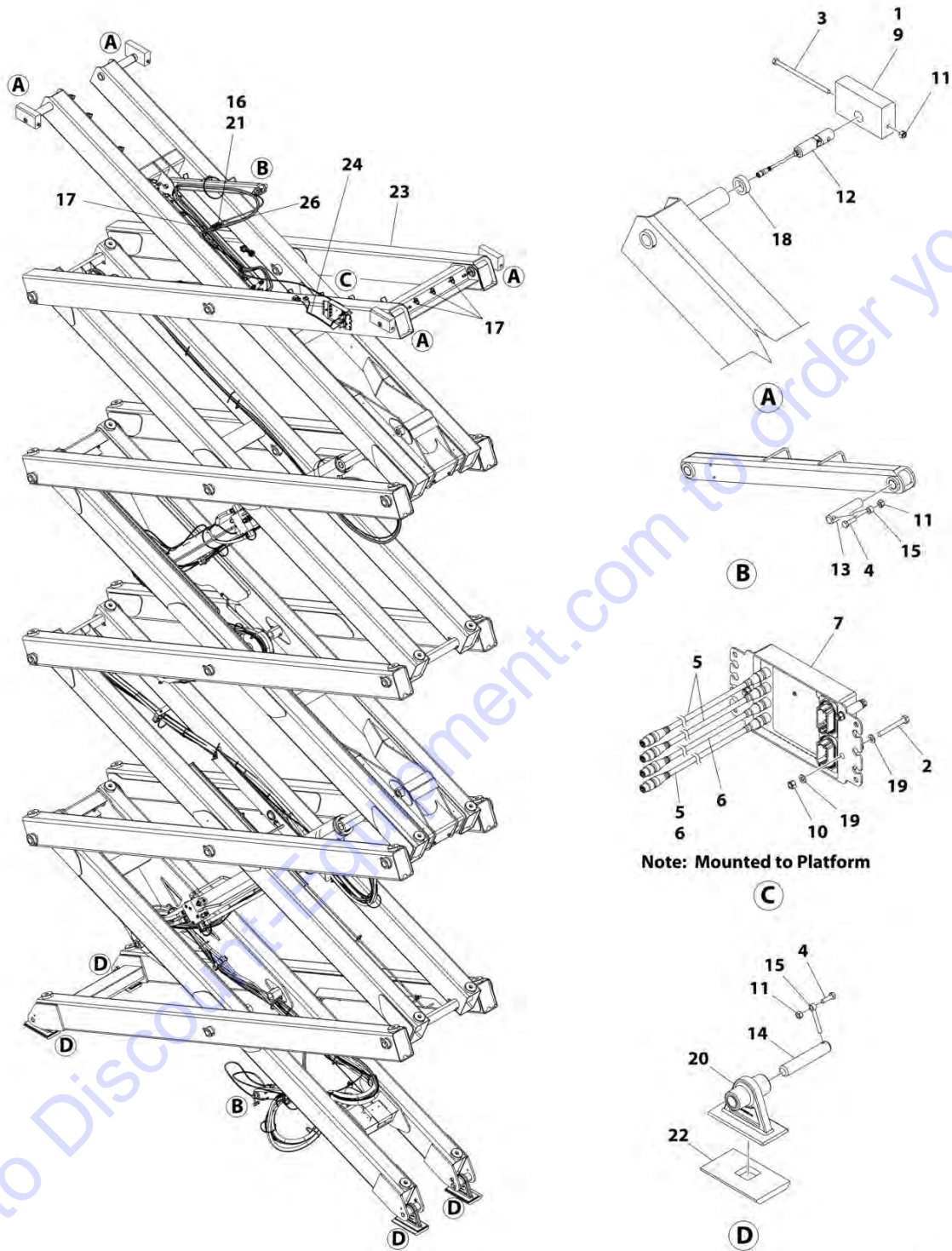
SECTION 4 - SCISSORS ARMS

FIGURE 4-2. SCISSORS ARMS INSTALLATION WITH AC CABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237516	Ref	SCISSORS ARMS INSTALLATION	D
1	0561489	4	Block, Slide	
2	0700618	3	Bolt M6 x 50	
3	0701037	4	Bolt M10 x 200	
4	0771015	6	Bolt M10 x 35	
5	1061020	3	Cable (5 FT/1.5 M Length)	
6	1061021	2	Cable (10 FT/3 M Length)	
7	1600387	1	Module, Control - LSS	
9	3020022	AR	Grease, Lithium	
10	3290605	3	Nut M6	
11	3291005	10	Nut M10	
12	3422938	4	Pin	
13	3422943	1	Pin	
14	3422961	4	Pin	
15	3841143	6	Keeper, Pin	
16	4240018	14	Tie-Strap	
17	4240033	19	Tie-Strap	
18	4568295	4	Tube, Spacer	
19	4811700	6	Washer M6	
20	1001099623	4	Slider	
20	0440234	8	Bearing (2 per Slider)	
21	1001130781	3	Conduit	
22	1001178759	1	Cable, AC	
23	1001181501	4	Pad, Slide	
24	1001217384	1	Scissors Arms Assembly (See Separate Breakdown in this Section)	
25	1001226830	1	LSS Harness (See Separate Breakdown in ELECTRICAL SECTION)	
26	4460234	16	Mount, Tie-Strap (Not Shown)	
27	1001244865	1	Grommet (SN E200000806 to Present)	

SECTION 4 - SCISSORS ARMS

FIGURE 4-3. SCISSORS ARMS INSTALLATION WITH GENERATOR



ART_1001237515

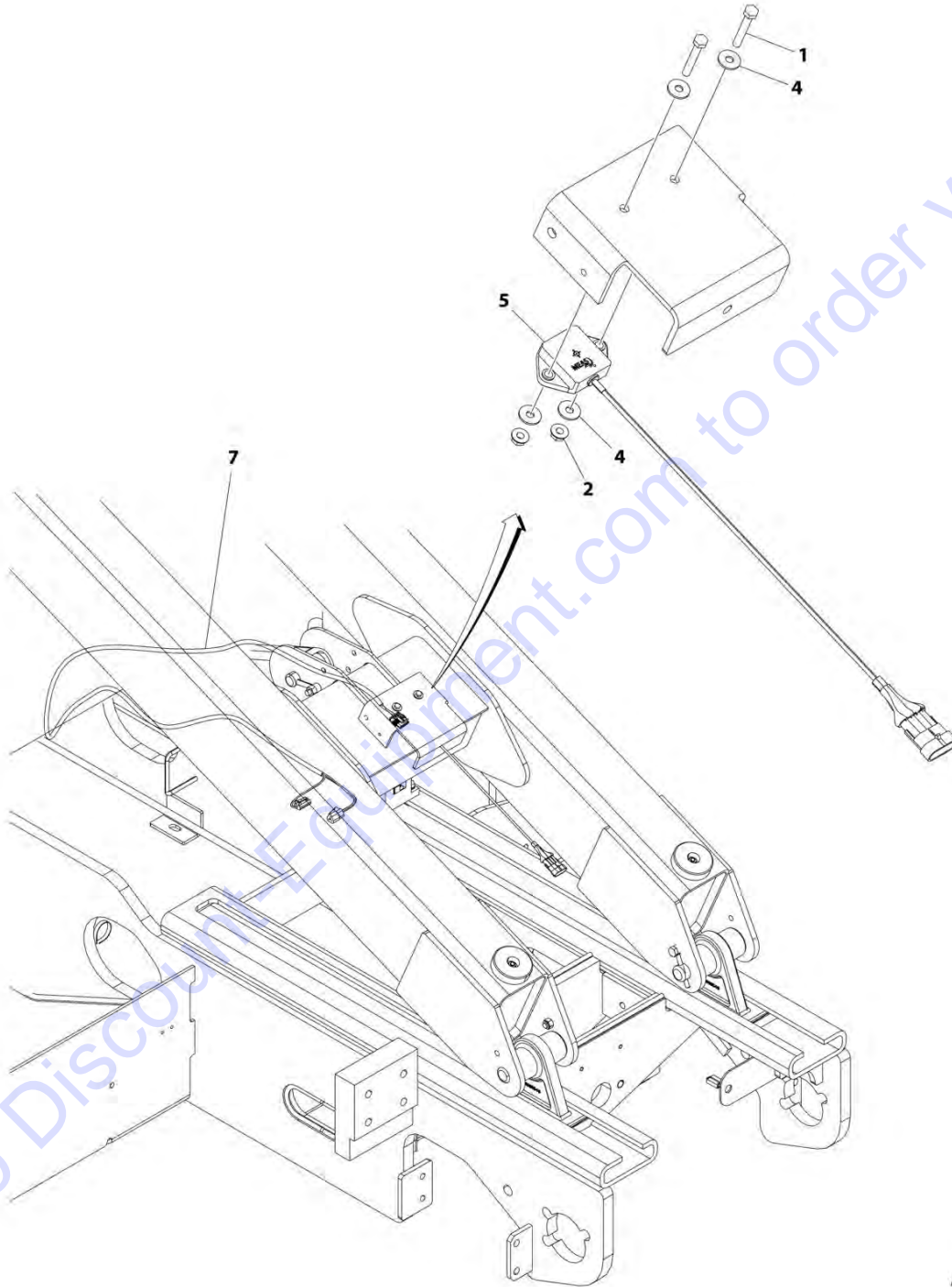
SECTION 4 - SCISSORS ARMS

FIGURE 4-3. SCISSORS ARMS INSTALLATION WITH GENERATOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237515	Ref	SCISSORS ARMS INSTALLATION	D
1	0561489	4	Block, Slide	
2	0700618	3	Bolt M6 x 50	
3	0701037	4	Bolt M10 x 200	
4	0771015	6	Bolt M10 x 35	
5	1061020	2	Cable (5 FT/1.5 M Length)	
6	1061021	2	Cable (10 FT/3 M Length)	
7	1600387	1	Module, Control - LSS	
9	3020022	AR	Grease, Lithium	
10	3290605	3	Nut M6	
11	3291005	10	Nut M10	
12	3422938	4	Pin	
13	3422943	1	Pin	
14	3422961	4	Pin	
15	3841143	6	Keeper, Pin	
16	4240018	14	Tie-Strap	
17	4240033	19	Tie-Strap	
18	4568295	4	Tube, Spacer	
19	4811700	6	Washer M6	
20	1001099623	4	Slider	
20	0440234	8	Bearing (2 per Slider)	
21	1001130781	2	Conduit	
22	1001181501	4	Pad, Slide	
23	1001217384	1	Scissors Arms Assembly (See Separate Breakdown in this Section)	
24	1001226830	1	LSS Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	4460234	16	Mount, Tie-Strap (Not Shown)	
26	1001244865	1	Grommet (SN E200000806 to Present)	

SECTION 4 - SCISSORS ARMS

FIGURE 4-4. ARM GUARDS INSTALLATION



ART_1001231784

SECTION 4 - SCISSORS ARMS

FIGURE 4-4. ARM GUARDS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231784	Ref	ARM GUARDS INSTALLATION	E
1	0700616	2	Bolt M6 x 40	
2	3290605	2	Nut M6	
3	4240018	12	Tie-Strap (Not Shown)	
4	4811702	4	Washer M6	
5	1001187857	1	Sensor, Dual Axis	
7	1001244347	1	Scissors Arms Guard Harness (See Separate Breakdown in ELECTRICAL SECTION)	

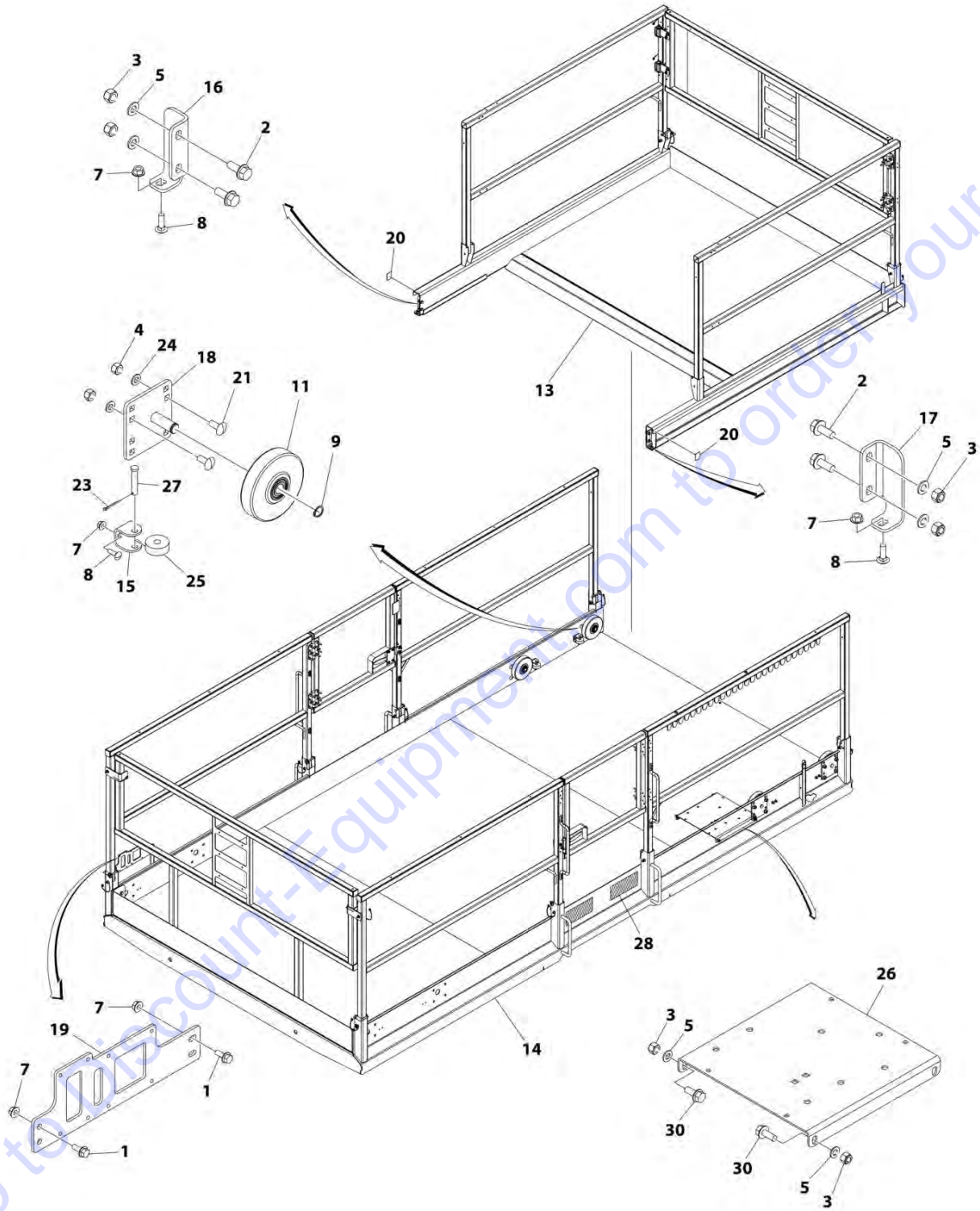
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FIGURE 5-1. PLATFORM AND SINGLE EXTENSION INSTALLATION - STANDARD



ART_1001177756

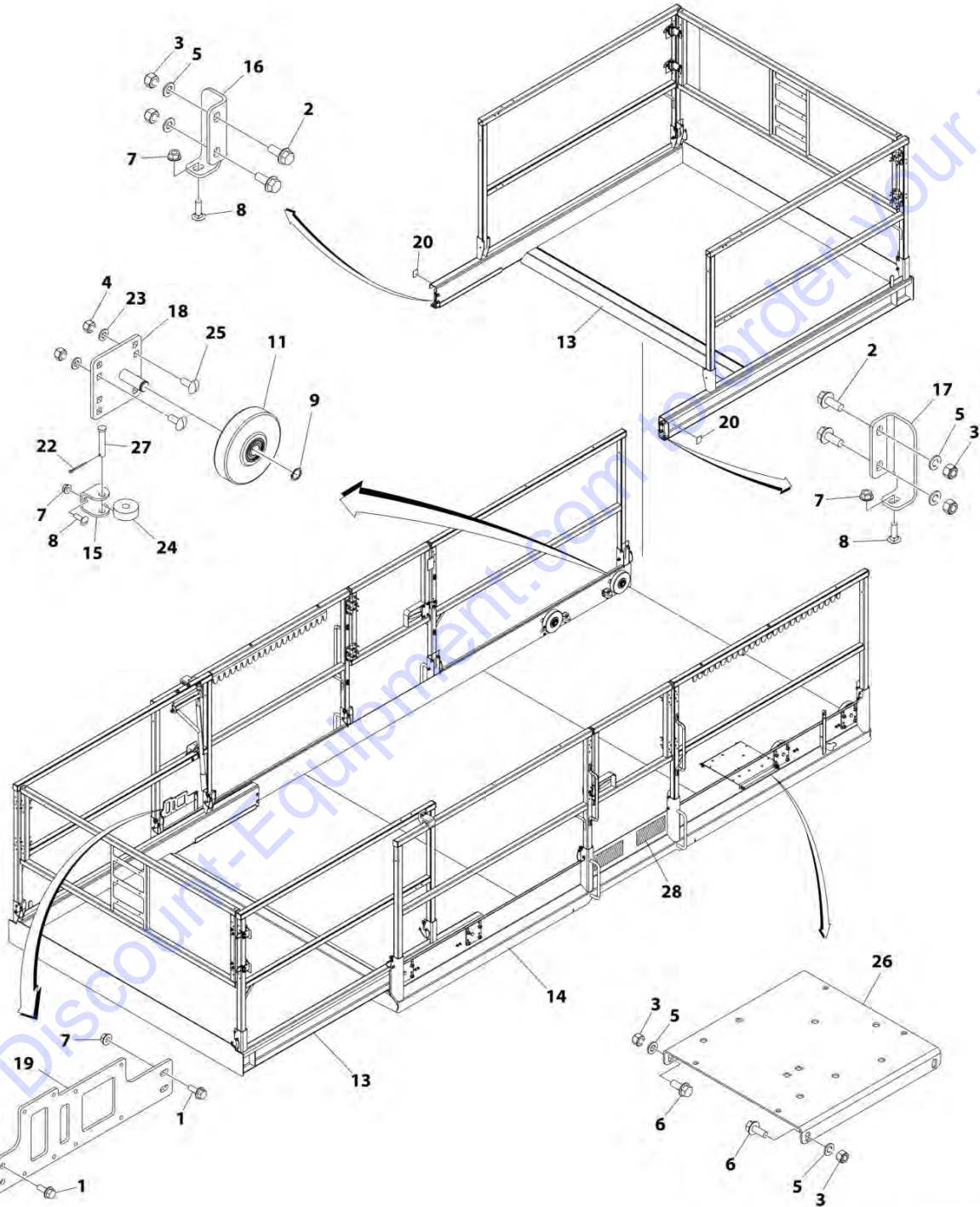
SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM AND SINGLE EXTENSION INSTALLATION - STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177756	Ref	PLATFORM AND SINGLE EXTENSION INSTALLATION - STANDARD	H
1	0780608	4	Bolt M6 x 16	
2	0780810	AR	Bolt M8 x 20	
3	3290805	AR	Nut M8	
4	3291005	16	Nut M10	
5	4811900	AR	Washer M8	
7	5260600	14	Nut M6, Grade10	
8	1001100451	10	Bolt M6 x 20	
9	1001149581	4	Ring, Retaining	
11	1001167274	4	Roller	
13	1001179691	1	Extension, Platform	
14	1001179693	1	Platform	
15	1001179856	4	Bracket, Roller	
16	1001180981	1	Bracket, Stop (LH)	
17	1001180983	1	Bracket, Stop (RH)	
18	1001180990	4	Bracket, Roller	
19	1001182294	1	Bracket	
20	4420062	1.9 in/ 50mm	Tape	
21	0630564	16	Bolt M10 x 25	
23	3450304	4	Pin, Cotter 3/32 x 1	
24	4812000	16	Washer M10	
25	1001143898	4	Roller	
26	1001194115	1	Bracket, Module	
27	3430616	4	Pin, Clevis	
28	4420051	AR	Tape, Safety	
29	1001205831	4	Spacer	
30	0780812	AR	Bolt M8 x 25	

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FIGURE 5-2. PLATFORM AND DUAL EXTENSION INSTALLATION - STANDARD



ART_1001177755

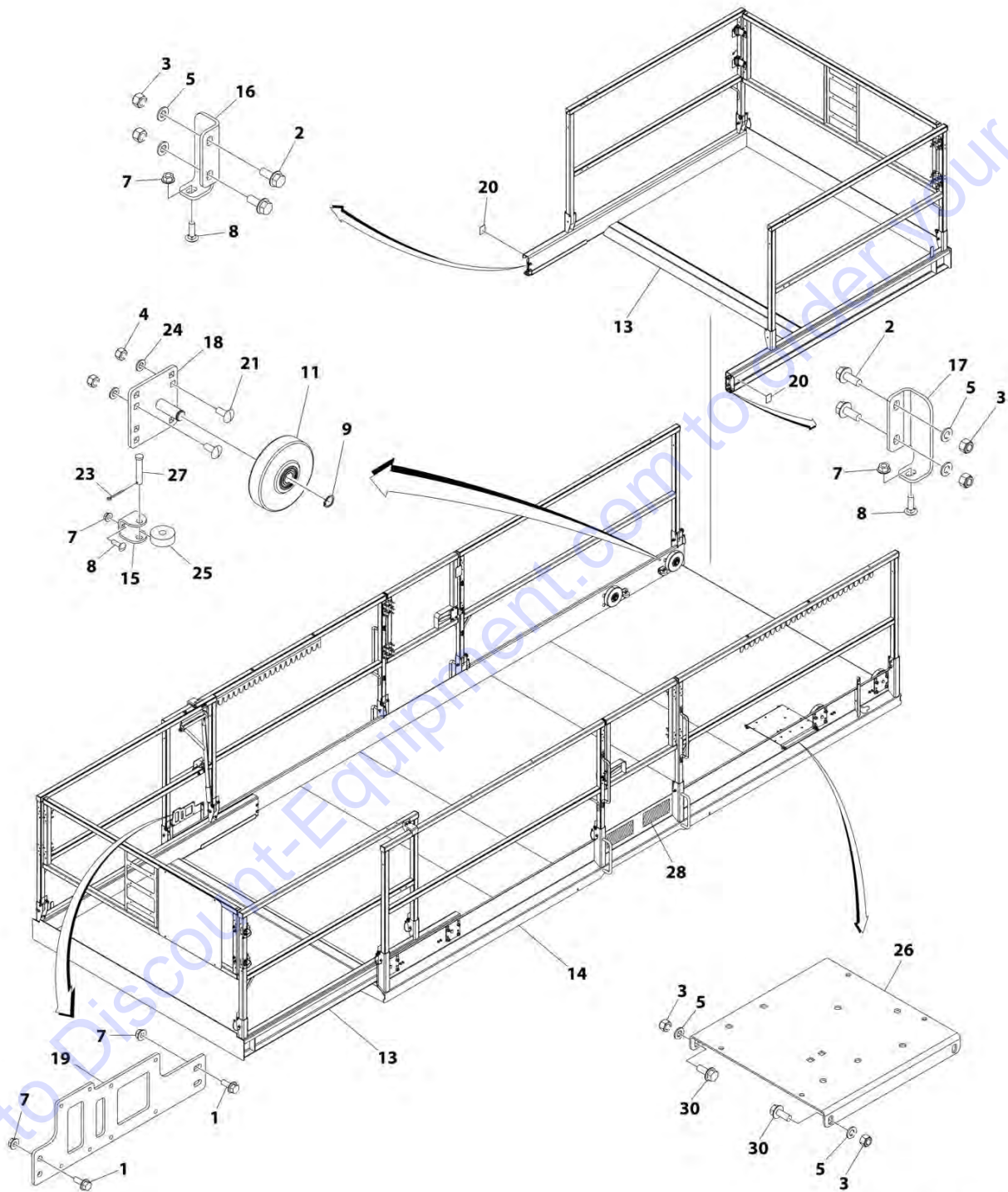
SECTION 5 - PLATFORM

FIGURE 5-2. PLATFORM AND DUAL EXTENSION INSTALLATION - STANDARD

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177755	Ref	PLATFORM AND DUAL EXTENSION INSTALLATION - STANDARD	H
1	0780608	4	Bolt M6 x 16	
2	0780810	AR	Bolt M8 x 20	
3	3290805	AR	Nut M8	
4	3291005	32	Nut M10	
5	4811900	AR	Washer M8	
6	0780812	AR	Bolt M8 x 25	
7	5260600	24	Nut M6, Grade 10	
8	1001100451	20	Bolt M6 x 20	
9	1001149581	8	Ring, Retaining	
11	1001167274	8	Roller	
13	1001179691	2	Extension, Platform	
14	1001179693	1	Platform	
15	1001179856	8	Bracket, Roller	
16	1001180981	2	Bracket, Stop (LH)	
17	1001180983	2	Bracket, Stop (RH)	
18	1001180990	8	Bracket, Roller	
19	1001182294	1	Bracket	
20	4420062	3.9 in/ 100mm	Tape	
22	3450304	8	Pin, Cotter 3/32 x 1	
23	4812000	32	Washer M10	
24	1001143898	8	Roller	
25	0630564	32	Bolt M10 x 25	
26	1001194115	1	Bracket, Module	
27	3430616	8	Pin, Clevis	
28	4420051	AR	Tape, Safety	
29	1001205831	8	Spacer	

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FIGURE 5-3. PLATFORM AND DUAL EXTENSION INSTALLATION - MEGADECK



ART_1001177757

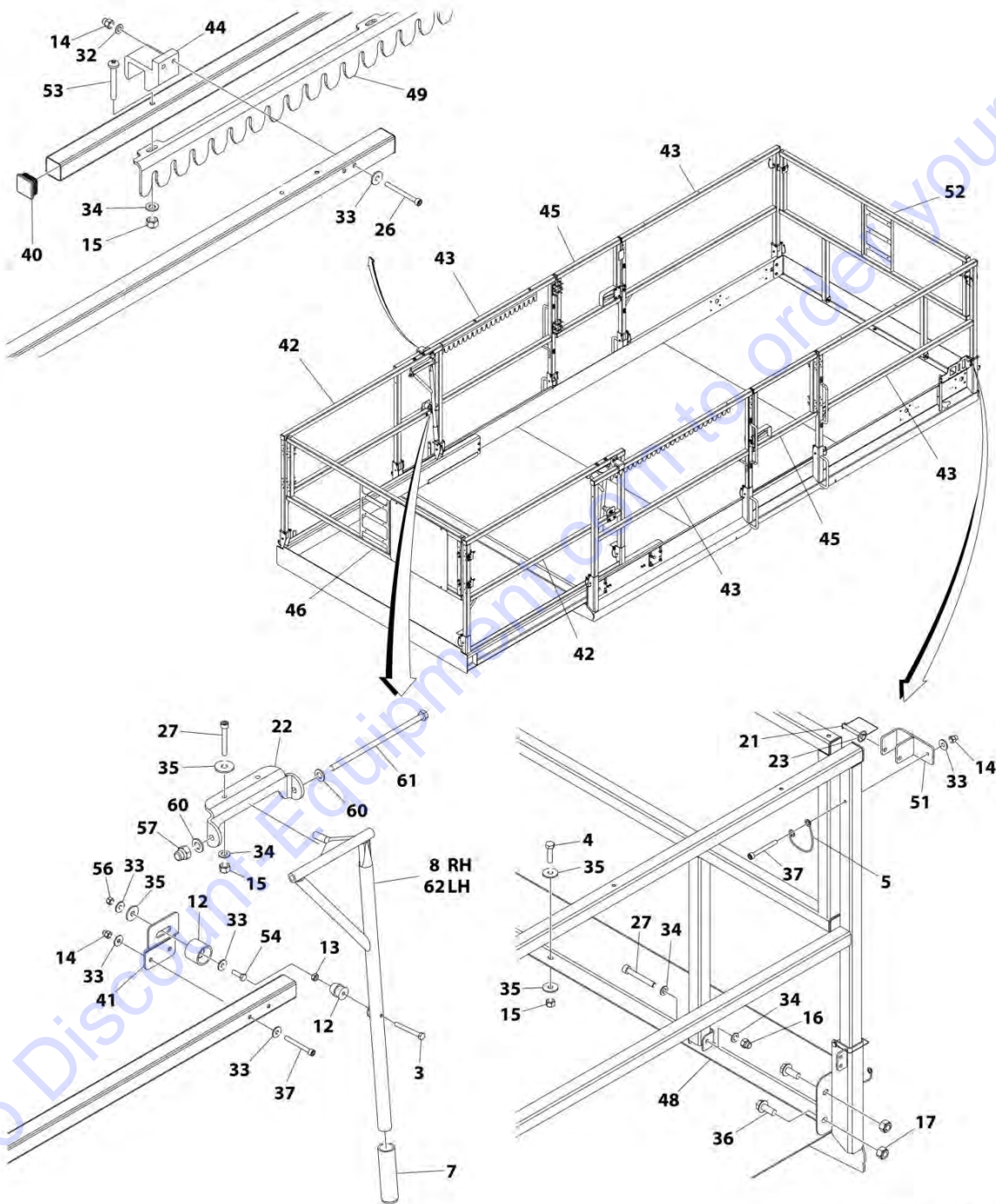
SECTION 5 - PLATFORM

FIGURE 5-3. PLATFORM AND DUAL EXTENSION INSTALLATION - MEGADECK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177757	Ref	PLATFORM AND DUAL EXTENSION INSTALLATION - MEGADECK	H
1	0780608	4	Bolt M6 x 16	
2	0780810	AR	Bolt M8 x 20	
3	3290805	AR	Nut M8	
4	3291005	32	Nut M10	
5	4811900	AR	Washer M8	
7	5260600	24	Nut M6, Grade 10	
8	1001100451	20	Bolt M6 x 20	
9	1001149581	8	Ring, Retaining	
11	1001167274	8	Roller	
13	1001179691	2	Extension, Platform	
14	1001179696	1	Platform	
15	1001179856	8	Bracket, Roller	
16	1001180981	2	Bracket, Stop (LH)	
17	1001180983	2	Bracket, Stop (RH)	
18	1001180990	8	Bracket, Roller	
19	1001182294	1	Bracket	
20	4420062	3.9 in/ 100mm	Tape	
21	0630564	32	Bolt M10 x 25	
23	3450304	8	Pin, Cotter 3/32 x 1	
24	4812000	32	Washer M10	
25	1001143898	8	Roller	
26	1001194115	1	Bracket, Module	
27	3430616	8	Pin, Clevis	
28	4420051	AR	Tape, Safety	
29	1001205831	8	Spacer	
30	0780812	AR	Bolt M8 x 25	

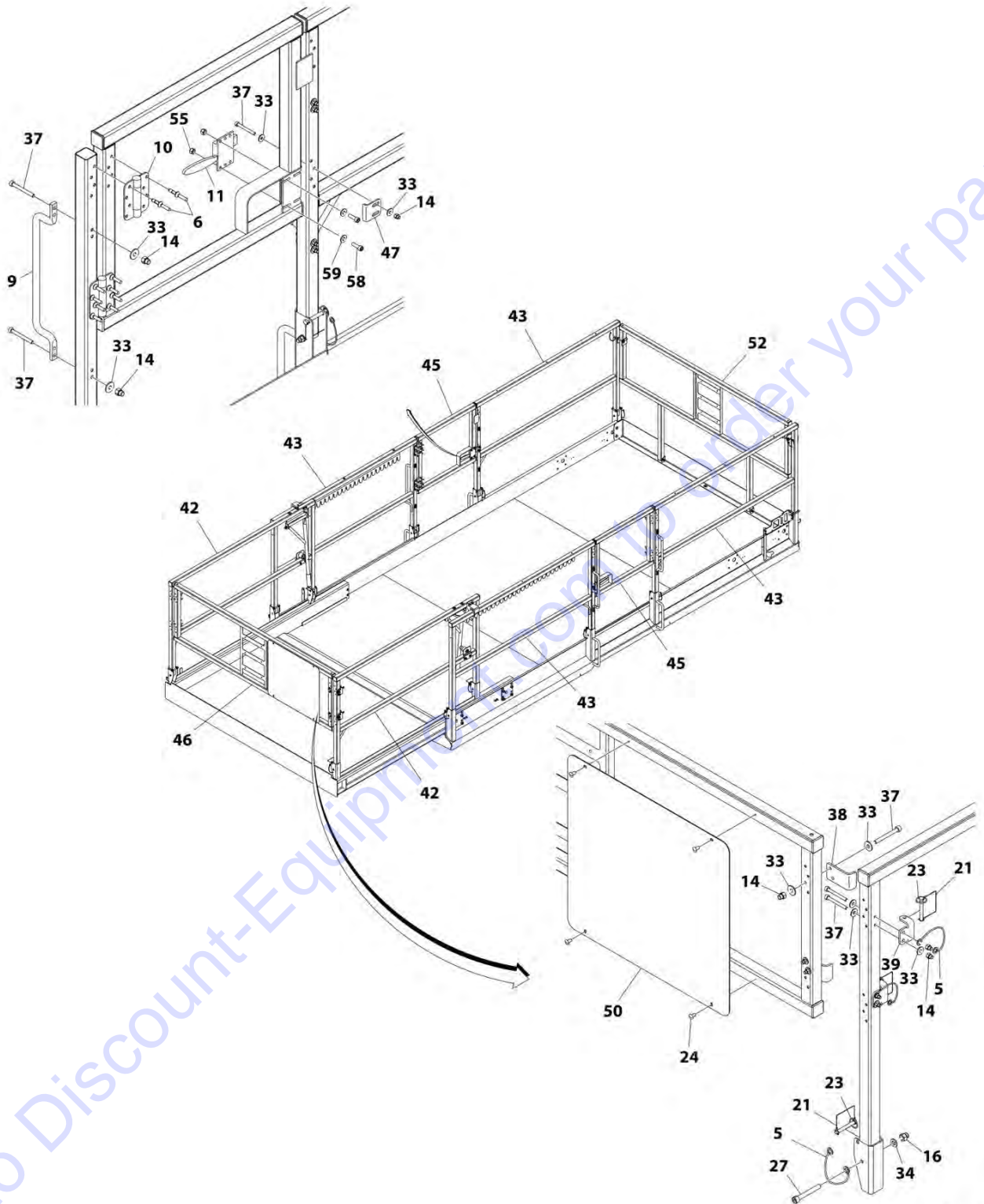
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FIGURE 5-4. RAILS INSTALLATION - STANDARD PLATFORM WITH SINGLE EXTENSION



ART_1001177758_10F2

SECTION 5 - PLATFORM



ART_1001177758_20F2

SECTION 5 - PLATFORM

FIGURE 5-4. RAILS INSTALLATION - STANDARD PLATFORM WITH SINGLE EXTENSION

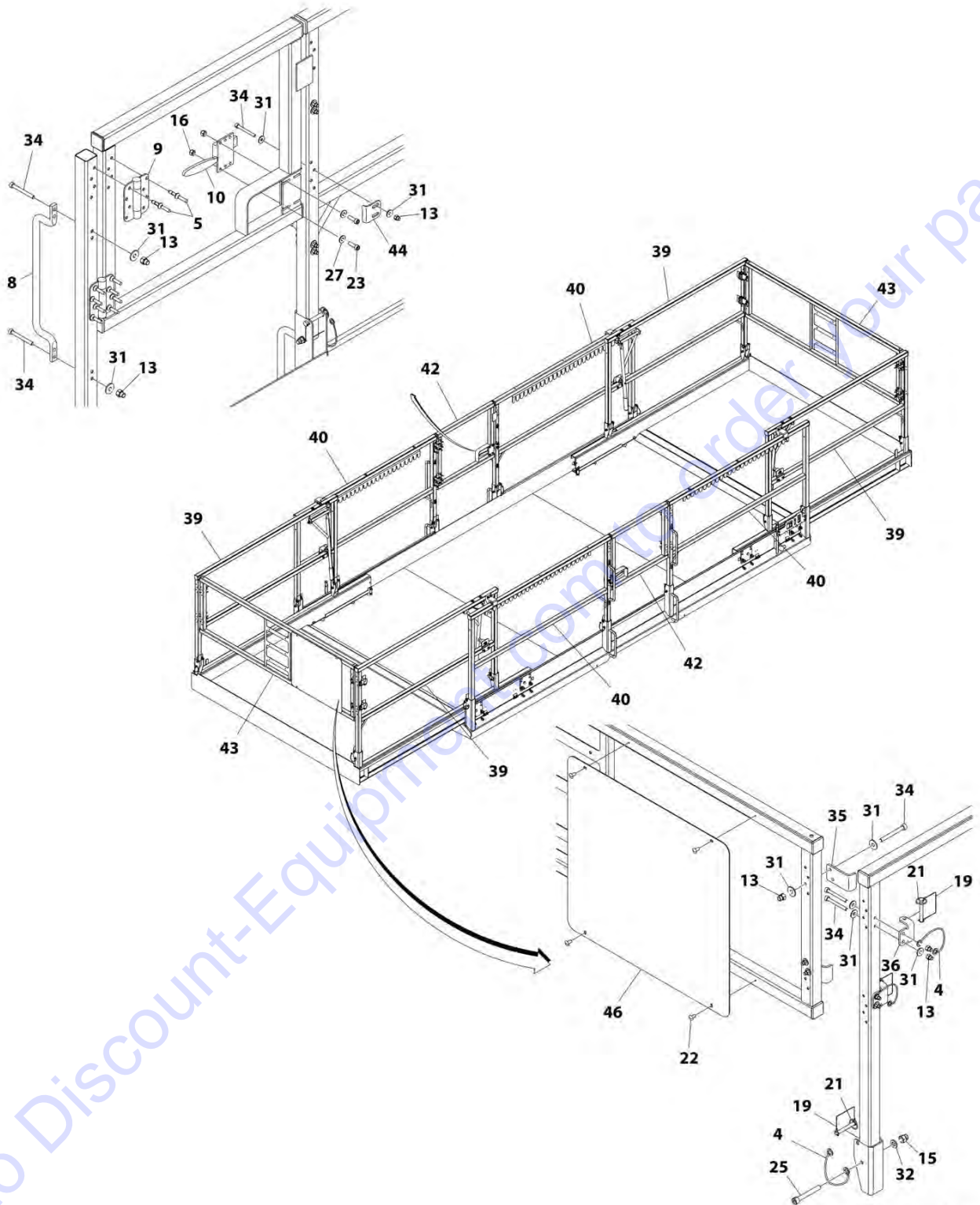
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177758	Ref	RAILS INSTALLATION - STANDARD PLATFORM WITH SINGLE EXTENSION	G
3	0700619	AR	Bolt M6 x 55	
4	0760814	1	Bolt M8 x 30	
5	1060808	16	Lanyard	
6	2080040	48	Fastener, Blind	
7	2560088	AR	Grip, Handle	
8	2560172	1	Handle	
9	2560176	4	Handle, Grab	
10	2600285	6	Hinge, Self Closing	
11	2940074	2	Latch	
12	2940127	AR	Latch, Rubber Insert	
13	3290601	AR	Nut M6	
14	3290606	AR	Nut M6	
15	3290805	AR	Nut M8	
16	3290806	14	Nut M8	
17	3291005	4	Nut M10	
21	3421565	16	Pin	
22	3537609	AR	Plate, Pivot	
23	3760170	16	Ring, Split	
24	3820020	4	Rivet	
26	4031717	4	Capscrew M6 x 65	
27	4031916	AR	Capscrew M8 x 60	
32	4811700	4	Washer M6	
33	4811702	AR	Washer M6	
34	4811900	AR	Washer M8	
35	4811902	AR	Washer M8	
36	5251012	4	Bolt M10 x 25	
37	1001118878	AR	Capscrew M6 x 55	
38	1001179558	2	Bracket	
39	1001179559	2	Bracket	
40	1001179639	28	Plug	
41	1001179644	AR	Plate, Mounting	
42	1001179676	2	Rail, Extension Side	
43	1001179677	4	Rail, Platform Side	
44	1001179678	2	Pad	
45	1001179694	2	Gate	
46	1001179695	1	Rail, Extension end	
47	1001198325	2	Plate, Latch	
48	1001180986	1	Kickplate	
49	1001180987	AR	Bracket, Extension Stop	
50	1001180994	1	Plate, Billboard	
51	1001181001	2	Bracket, Latch	
52	1001181003	1	Rail, Platform End	
53	1001192382	AR	Screw	
54	0760610	AR	Bolt M6 x 20	
55	3290505	8	Nut M5	
56	3290605	AR	Nut M6	
57	3291006	AR	Nut M10	
58	4031607	8	Capscrew M5 x 16	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	4811602	8	Washer M5	
60	4812000	AR	Washer M10	
61	1001195137	AR	Bolt M10 x 240	
62	2560171	1	Handle	

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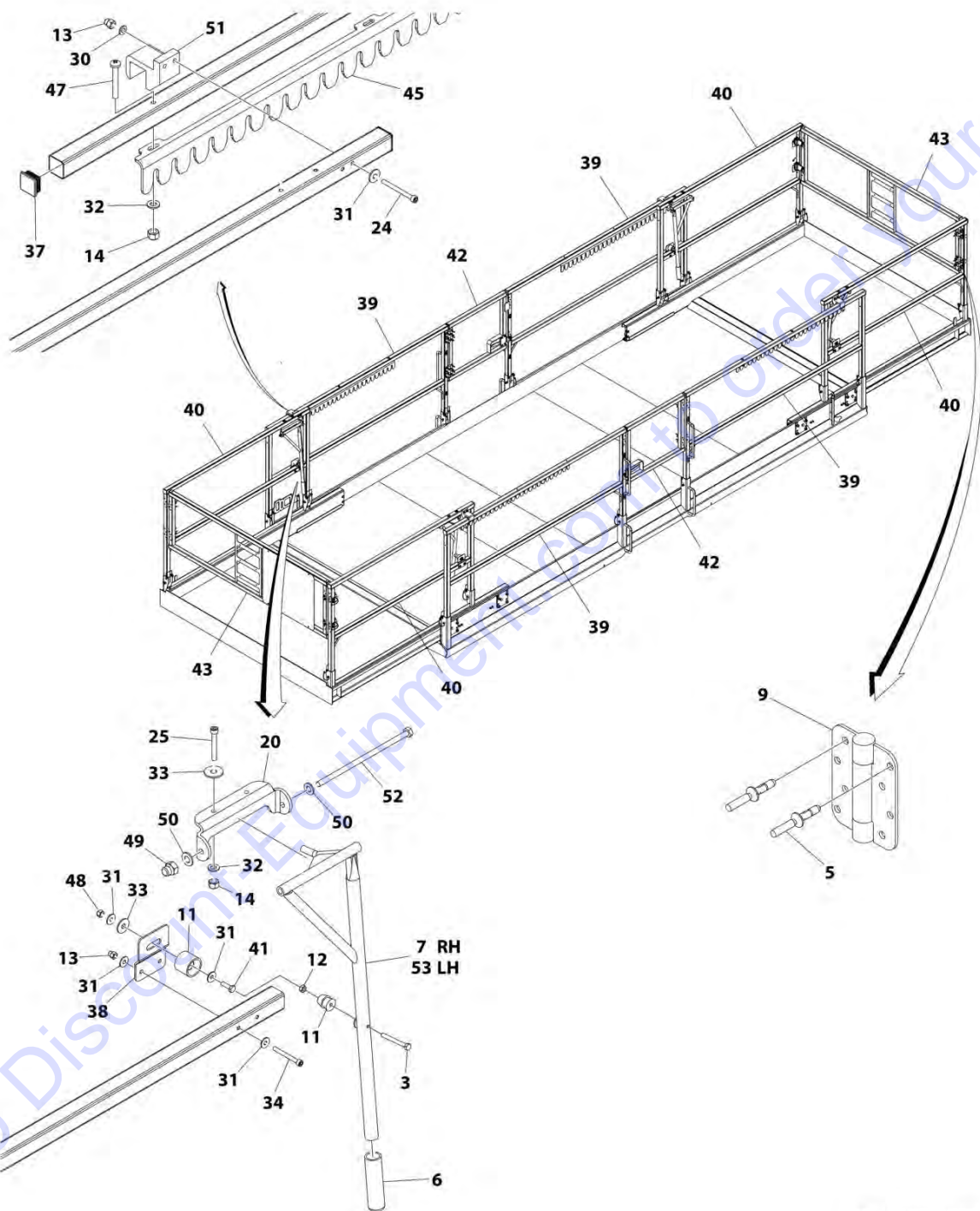
SECTION 5 - PLATFORM

FIGURE 5-5. RAILS INSTALLATION - STANDARD PLATFORM WITH DUAL EXTENSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177759	Ref	RAILS INSTALLATION - STANDARD PLATFORM WITH DUAL EXTENSION	F
3	0700619	AR	Bolt M6 x 55	
4	1060808	20	Lanyard	
5	2080040	64	Fastener, Blind	
6	2560088	AR	Grip, Handle	
7	2560172	2	Handle	
8	2560176	4	Handle, Grab	
9	2600285	8	Hinge, Self Closing	
10	2940074	2	Latch	
11	2940127	AR	Latch, Rubber Insert	
12	3290601	AR	Nut M6	
13	3290606	AR	Nut M6	
14	3290805	AR	Nut M8	
15	3290806	16	Nut M8	
16	3300432	8	Nut #10	
19	3421565	20	Pin	
20	3537609	AR	Plate, Pivot	
21	3760170	20	Ring, Split	
22	3820020	4	Rivet	
23	3931010	8	Capscrew #10 x 5/8	
24	4031717	8	Capscrew M6 x 65	
25	4031916	AR	Capscrew M8 x 60	
27	4751000	8	Washer #10	
30	4811700	8	Washer M6	
31	4811702	AR	Washer M6	
32	4811900	AR	Washer M8	
33	4811902	AR	Washer M8	
34	1001118878	AR	Capscrew M6 x 55	
35	1001179558	4	Bracket	
36	1001179559	4	Bracket	
37	1001179639	32	Plug	
38	1001179644	AR	Plate, Mounting	
39	1001179676	4	Rail, Extension Side	
40	1001179677	4	Rail, Platform Side	
41	1001179678	4	Pad	
42	1001179694	2	Gate	
43	1001179695	2	Rail, Extension End	
44	1001198325	2	Plate, Latch	
45	1001180987	AR	Bracket, Extension Stop	
46	1001180994	1	Plate, Billboard	
47	1001192382	AR	Screw	
48	0760610	AR	Bolt M6 x 20	
49	3290605	AR	Nut M6	
50	3291006	AR	Nut M10	
51	4812000	AR	Washer M10	
52	1001195137	AR	Bolt M10 x 240	
53	2560171	2	Handle	

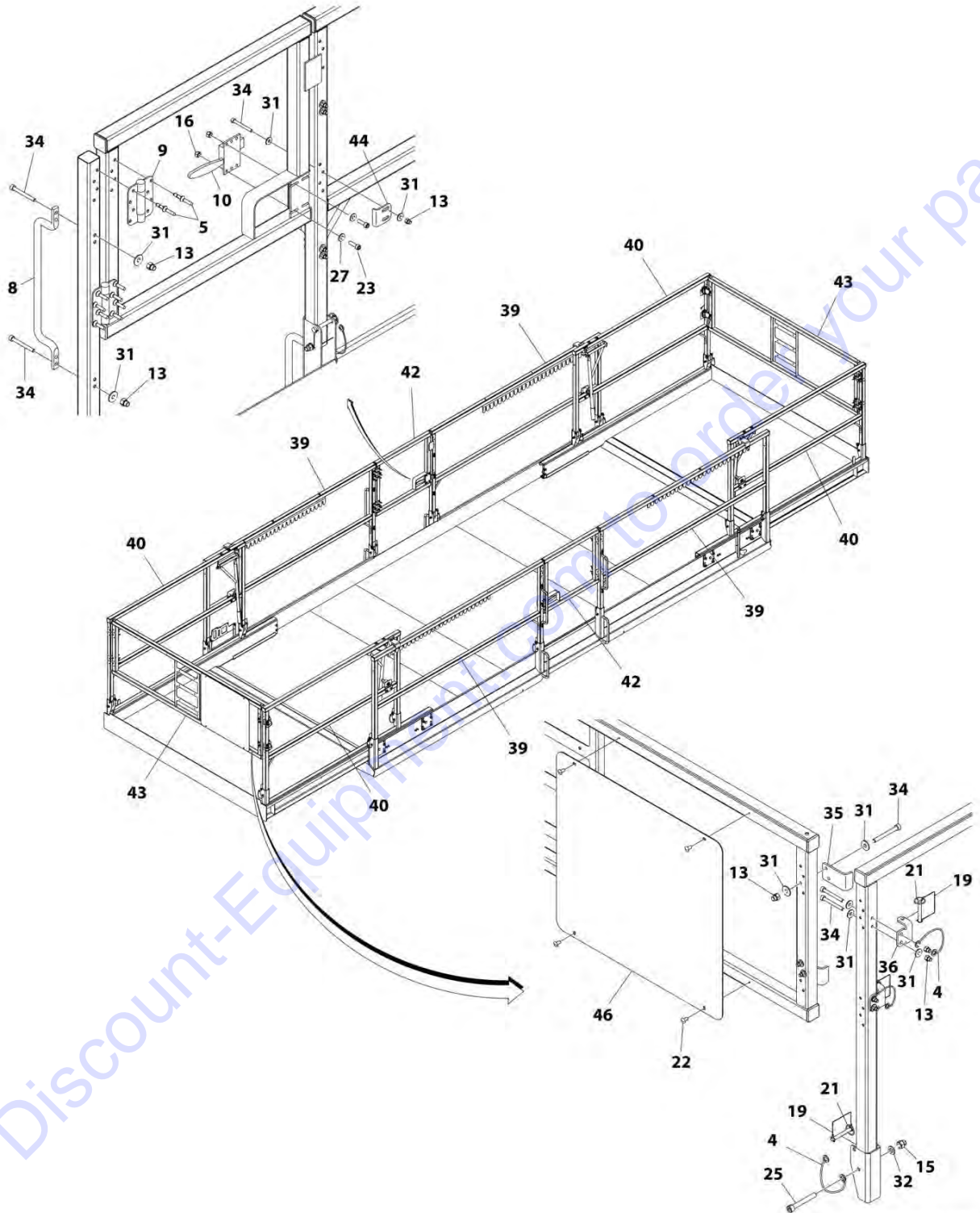
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FIGURE 5-6. RAILS INSTALLATION - MEGADECK PLATFORM WITH DUAL EXTENSION



ART_1001177760_10F2

SECTION 5 - PLATFORM



ART_100117760_20F2

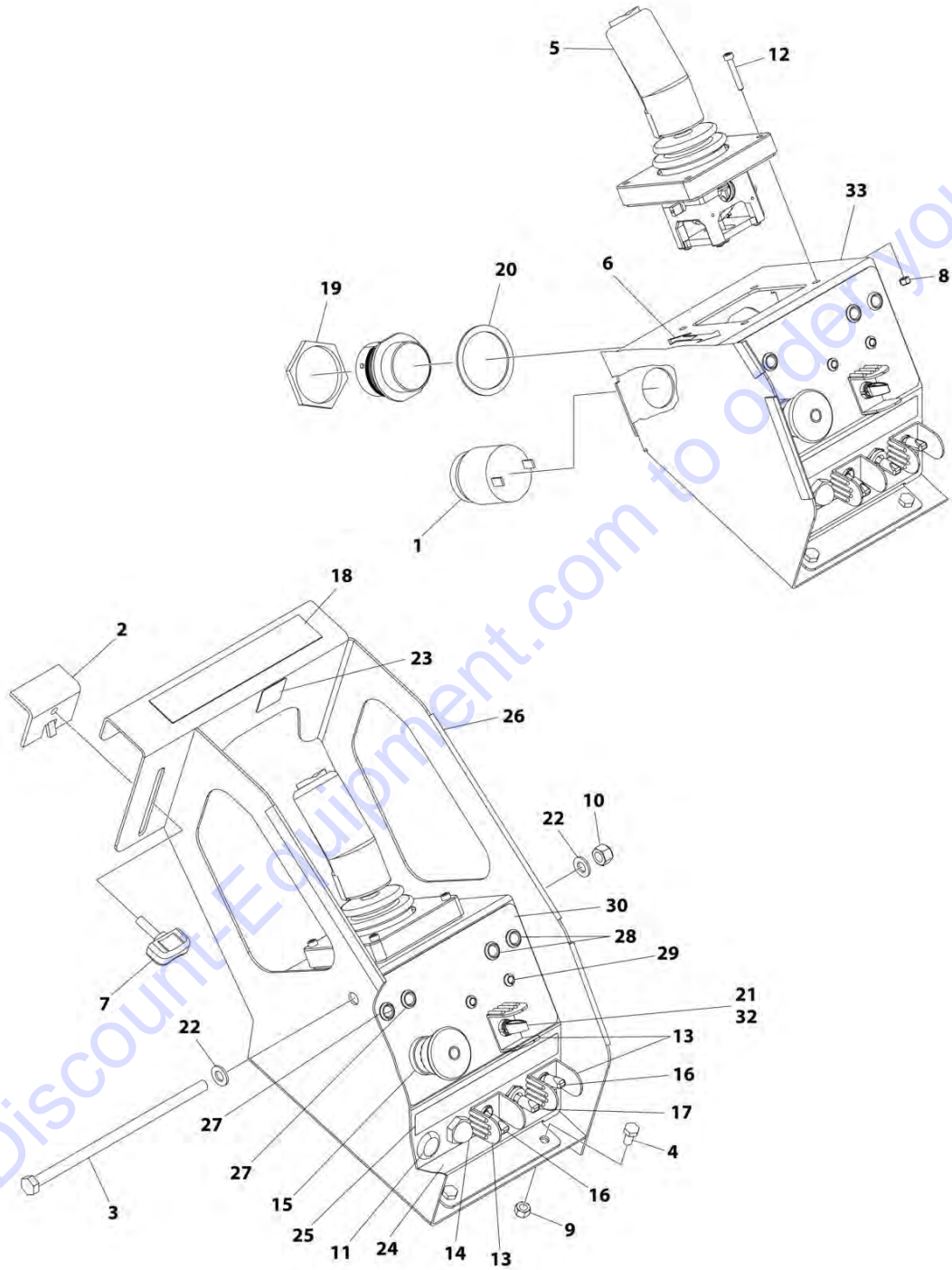
SECTION 5 - PLATFORM

FIGURE 5-6. RAILS INSTALLATION - MEGADECK PLATFORM WITH DUAL EXTENSION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177760	Ref	RAILS INSTALLATION - MEGADECK PLATFORM WITH DUAL EXTENSION	F
3	0700619	AR	Bolt M6 x 55	
4	1060808	20	Lanyard	
5	2080040	64	Fastener, Blind	
6	2560088	AR	Grip, Handle	
7	2560172	2	Handle	
8	2560176	4	Handle, Grab	
9	2600285	8	Hinge, Self Closing	
10	2940074	2	Latch	
11	2940127	AR	Latch, Rubber Insert	
12	3290601	AR	Nut M6	
13	3290606	AR	Nut M6	
14	3290805	AR	Nut M8	
15	3290806	16	Nut M8	
16	3300432	8	Nut #10-24	
19	3421565	20	Pin	
20	3537609	AR	Plate, Pivot	
21	3760170	20	Ring, Split	
22	3820020	4	Rivet	
23	3931010	8	Capscrew #10 x 5/8	
24	4031717	8	Capscrew M6 x 65	
25	4031916	AR	Capscrew M8 x 60	
27	4751000	8	Washer #10	
30	4811700	8	Washer M6	
31	4811702	AR	Washer M6	
32	4811900	AR	Washer M8	
33	4811902	AR	Washer M8	
34	1001118878	AR	Capscrew M6 x 55	
35	1001179558	4	Bracket	
36	1001179559	4	Bracket	
37	1001179639	32	Plug	
38	1001179644	AR	Plate, Mounting	
39	1001179658	4	Rail, Platform Side	
40	1001179676	4	Rail, Extension Side	
41	0760610	2	Bolt M6 x 20	
42	1001179694	2	Gate	
43	1001179695	2	Rail, Extension End	
44	1001198325	2	Plate, Latch	
45	1001180987	AR	Bracket, Extension Stop	
46	1001180994	1	Plate, Billboard	
47	1001192382	AR	Screw	
48	3290605	AR	Nut M6	
49	3291006	AR	Nut M10	
50	4812000	AR	Washer M10	
51	1001179678	4	Pad	
52	1001195137	AR	Bolt M10 x 240	
53	2560171	2	Handle	

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FIGURE 5-7. PLATFORM CONSOLE BOX INSTALLATION - DIESEL MACHINES



ART_1001236264

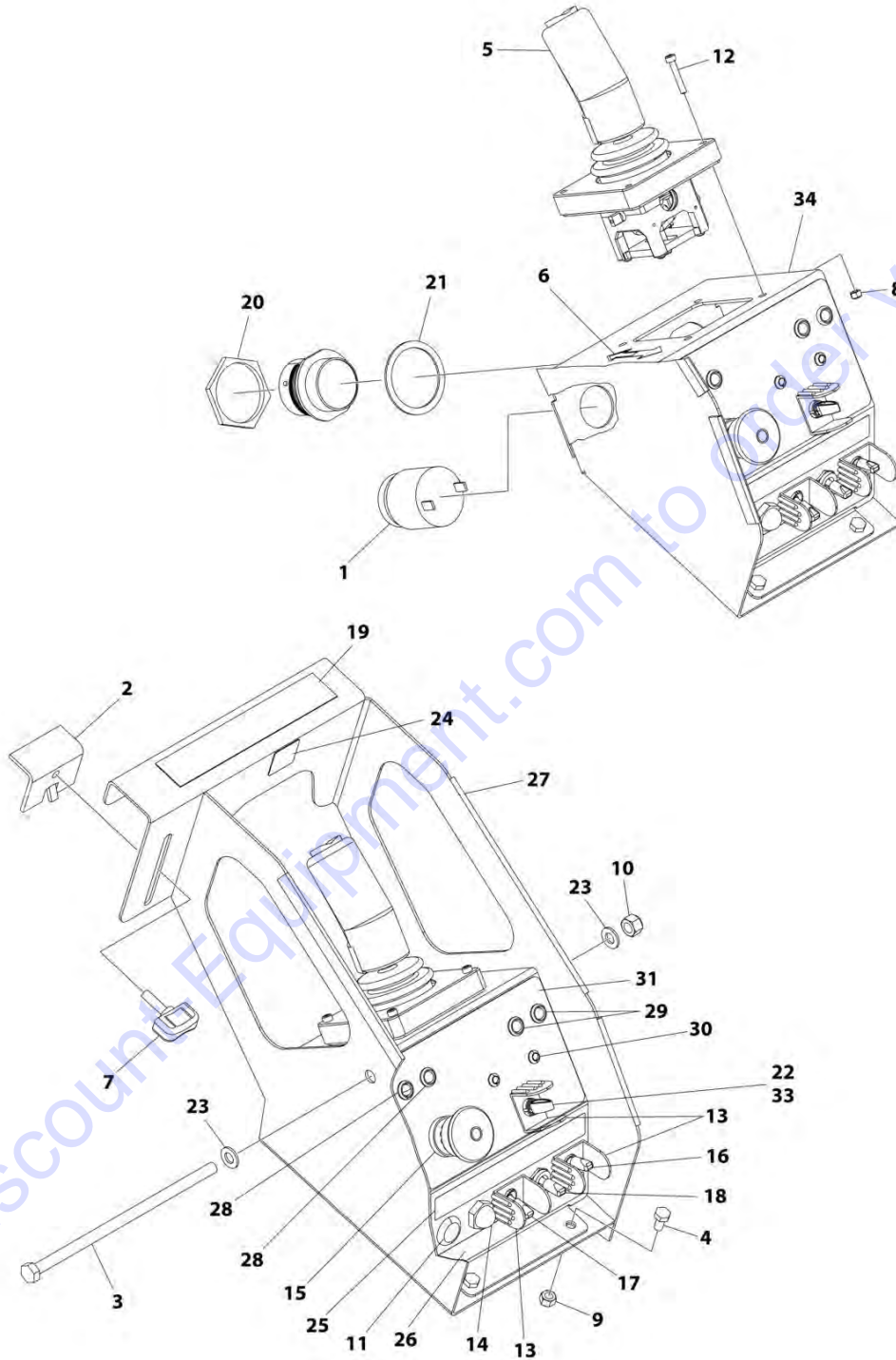
SECTION 5 - PLATFORM

FIGURE 5-7. PLATFORM CONSOLE BOX INSTALLATION - DIESEL MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236264	Ref	PLATFORM CONSOLE BOX INSTALLATION - DIESEL MACHINES	D
1	0140030	1	Alarm	
2	0181847	1	Angle, Clamp	
3	0700835	1	Bolt M8 x 180	
4	0760606	3	Bolt M6 x 12	
5	1600402	1	Drive/Steer Controller Assembly (See Separate Breakdown in this Section)	
6	1703819	1	Decal - Direction Arrow	
7	2560141	1	Thumbscrew	
8	3290405	4	Nut M4	
9	3290605	3	Nut M6	
10	3290805	1	Nut M8	
11	1001226421	1	Plug	
12	4031509	4	Capscrew M4 x 25	
13	4060802	3	Guard, Switch	
14	4360387	1	Switch, Push Button	
15	4360475	1	Switch, Emergency Stop	
15	7020175	1	Cap	
15	7020176	1	Block, Contact	
16	4360483	2	Switch, Toggle	
17	4360525	1	Switch, Toggle	
18	4420076	3	Tape	
19	4460470	1	Nut, Terminal	
20	4460471	1	Washer, Terminal	
21	4711700	2	Washer 7/16	
22	4811900	2	Washer M8	
23	1001132358	1	Decal - Steer	
24	1001181622	1	Decal - Platform Diesel	
25	1001181623	1	Decal - Platform Diesel	
26	1001190270	1	Bracket	
27	1001190472	2	Lamp, LED with Harness	
28	1001190473	2	Lamp, LED with Harness	
29	1001190474	2	Lamp, LED with Harness	
30	1001236199	1	Decal - Platform Function	
31	1001236230	1	Platform Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
32	1001236560	1	Switch, Toggle	
33	1001235922	1	Plate	

SECTION 5 - PLATFORM

FIGURE 5-8. PLATFORM CONSOLE BOX INSTALLATION - GASOLINE MACHINES



ART_1001236265

SECTION 5 - PLATFORM

FIGURE 5-8. PLATFORM CONSOLE BOX INSTALLATION - GASOLINE MACHINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236265	Ref	PLATFORM CONSOLE BOX INSTALLATION - GASOLINE MACHINES	D
1	0140030	1	Alarm	
2	0181847	1	Angle, Clamp	
3	0700835	1	Bolt M8 x 180	
4	0760606	3	Bolt M6 x 12	
5	1600402	1	Drive/Steer Controller Assembly (See Separate Breakdown in this Section)	
6	1703819	1	Decal - Direction Arrow	
7	2560141	1	Thumbscrew	
8	3290405	4	Nut M4	
9	3290605	3	Nut M6	
10	3290805	1	Nut M8	
11	1001226421	1	Plug	
12	4031509	4	Capscrew M4 x 25	
13	4060802	3	Guard, Switch	
14	4360387	1	Switch, Push Button	
15	4360475	1	Switch, Emergency Stop	
15	7020175	1	Cap	
15	7020176	1	Block, Contact	
16	4360482	1	Switch, Toggle	
17	4360483	1	Switch, Toggle	
18	4360525	1	Switch, Toggle	
19	4420076	3	Tape	
20	4460470	1	Nut, Terminal	
21	4460471	1	Washer, Terminal	
22	4711700	2	Washer 7/16	
23	4811900	2	Washer M8	
24	1001132358	1	Decal - Steer	
25	1001181626	1	Decal - Platform Dual Fuel	
26	1001181627	1	Decal - Platform Dual Fuel	
27	1001190270	1	Bracket	
28	1001190472	2	Lamp, LED with Harness	
29	1001190473	2	Lamp, LED with Harness	
30	1001190474	2	Lamp, LED with Harness	
31	1001236199	1	Decal - Platform Function	
32	1001236230	1	Platform Box Harness (Not Shown - See Separate Breakdown in ELECTRICAL SECTION)	
33	1001236560	1	Switch, Toggle	
34	1001235922	1	Plate	

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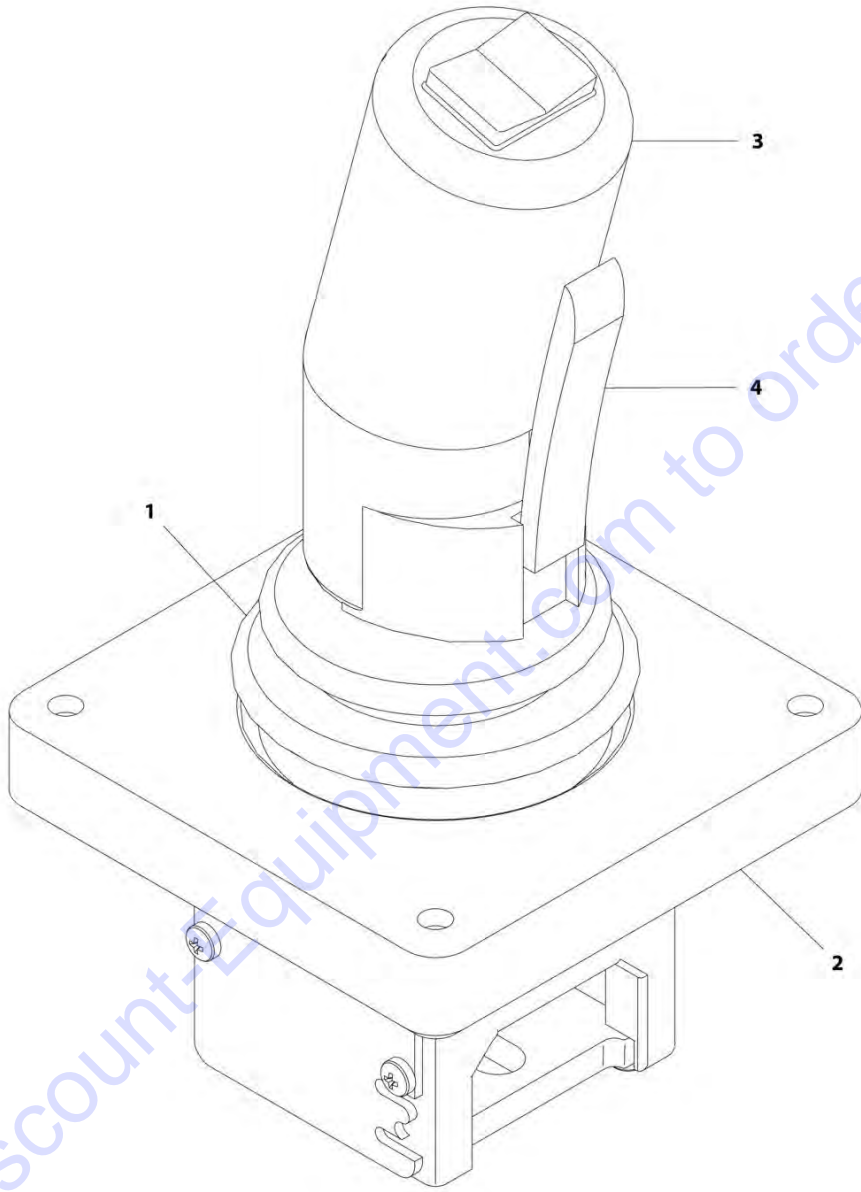
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SECTION 5 - PLATFORM

FIGURE 5-9. CONTROLLER ASSEMBLY



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ART_1600402

SECTION 5 - PLATFORM

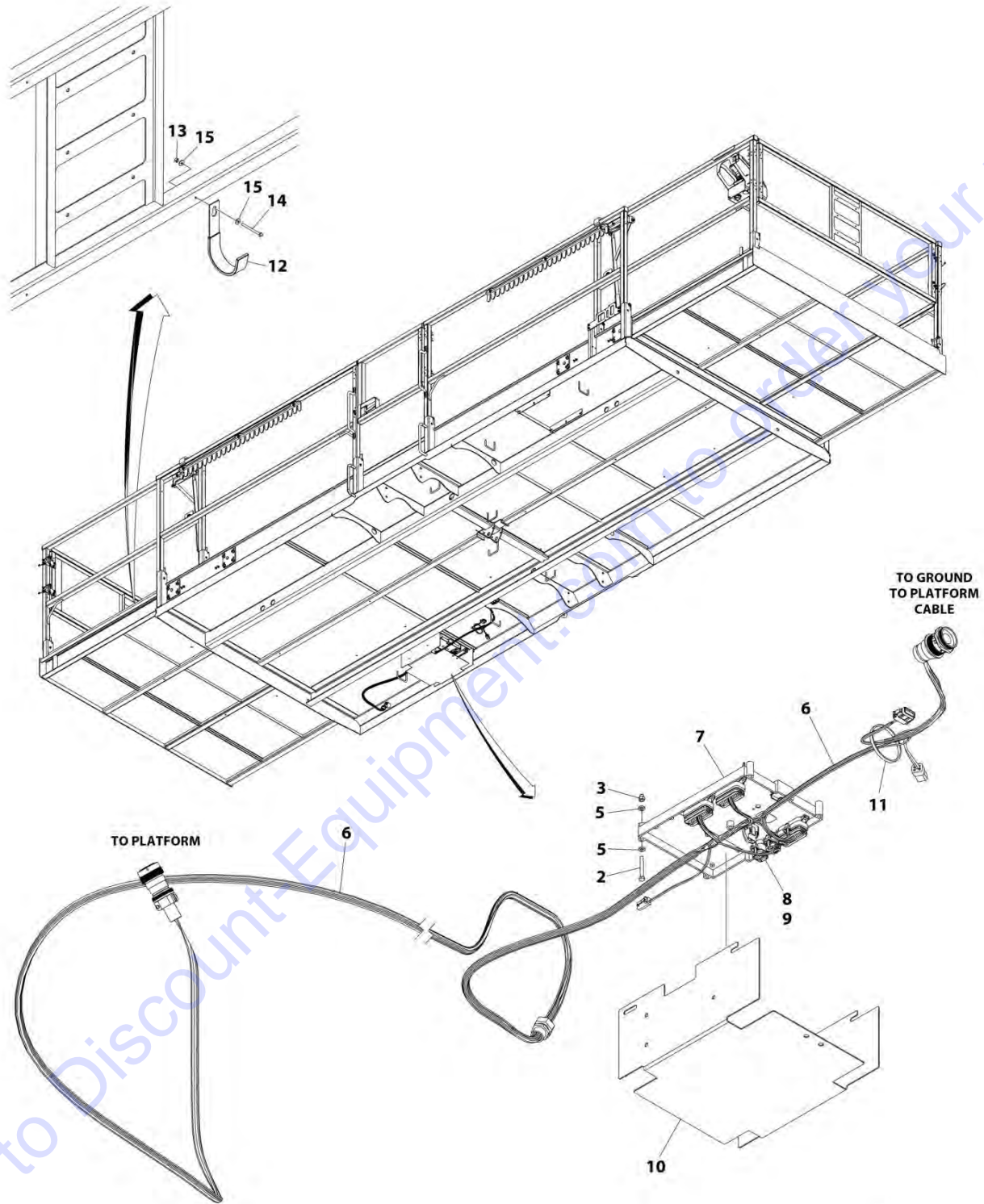
FIGURE 5-9. CONTROLLER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1600402	Ref	DRIVE/STEER CONTROLLER ASSEMBLY	A
1	70001250	1	Boot, Panel	
2	70001252	1	Gasket, Mounting	
2	70001251	1	Bezel, Mounting	
3	70003650	1	Handle Repair Kit (Includes handle gasket, item#4 push button and item #4 lever installed in front handle half, back handle half, top actuator, boot and hardware.)	
3	70000084	1	Cap, Rubber	
3	70000082	1	Microswitch	
3	7027766	1	Ring, Retaining	
3	7027365	1	Actuator, Handle	
3	70001253	1	Gasket, Handle	
3	70000683	4	Washer, Neoprene	
3	70000685	2	Spacer, Plastic	
3	70000686	2	Screw (Top)	
3	70000684	2	Screw (Bottom)	
4	7027367	1	Switch, Push Button	
4	7027765	1	Lever, Enable	

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SECTION 5 - PLATFORM

FIGURE 5-10. PLATFORM MODULE INSTALLATION



ART_1001177754

SECTION 5 - PLATFORM

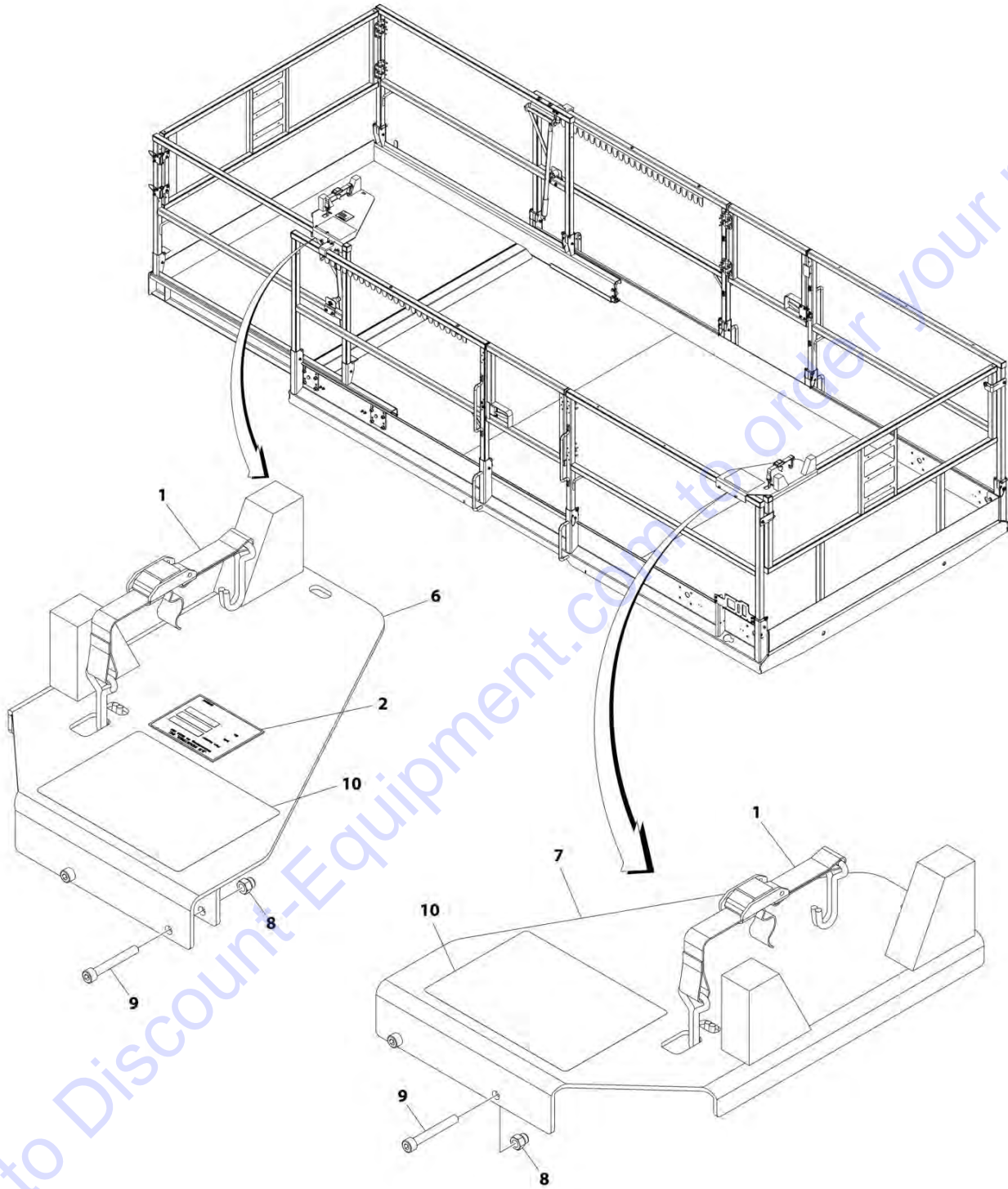
FIGURE 5-10. PLATFORM MODULE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177754	Ref	PLATFORM MODULE INSTALLATION	F
1	0100011	AR	Compound, Locking (Not Shown)	
2	0760618	4	Bolt M6 x 50	
3	3290606	4	Nut M6	
3	3290607	4	Nut M6	
4	4240033	10	Tie-Strap (Not Shown)	
5	5240600	8	Washer M6	
6	1001236162	1	Platform Module to Console Box Harness (See Separate Breakdown in ELECTRICAL SECTION)	
7	1001235098	1	Module, Platform (Note: Re-calibration Required when Replaced)	
8	4460905	8	Plug, Terminal	
9	1001116946	1	Connector - 8 Position	
10	1001237058	1	Bracket	
11	4240018	AR	Tie-Strap	
12	2700100	1	Hook	
13	3290405	AR	Nut M4	
14	4010418	AR	Bolt M4 x 50	
15	1001091102	AR	Washer M4	

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FIGURE 5-11. PIPE RACK INSTALLATION



ART_1001185492

SECTION 5 - PLATFORM

FIGURE 5-11. PIPE RACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185492	Ref	PIPE RACK INSTALLATION	A
1	0480100	2	Belt, Tie Down	
2	See Note	1	Nameplate - Serial Number (Note: Not Available for Purchase)	
6	1001185503	1	Support, Pipe Rack	
7	1001185504	1	Support, Pipe Rack	
8	3290806	4	Nut M8	
9	4031916	4	Capscrew M8 x 60	
10	1001186127	2	Decal - Pipe Rack Capacity	

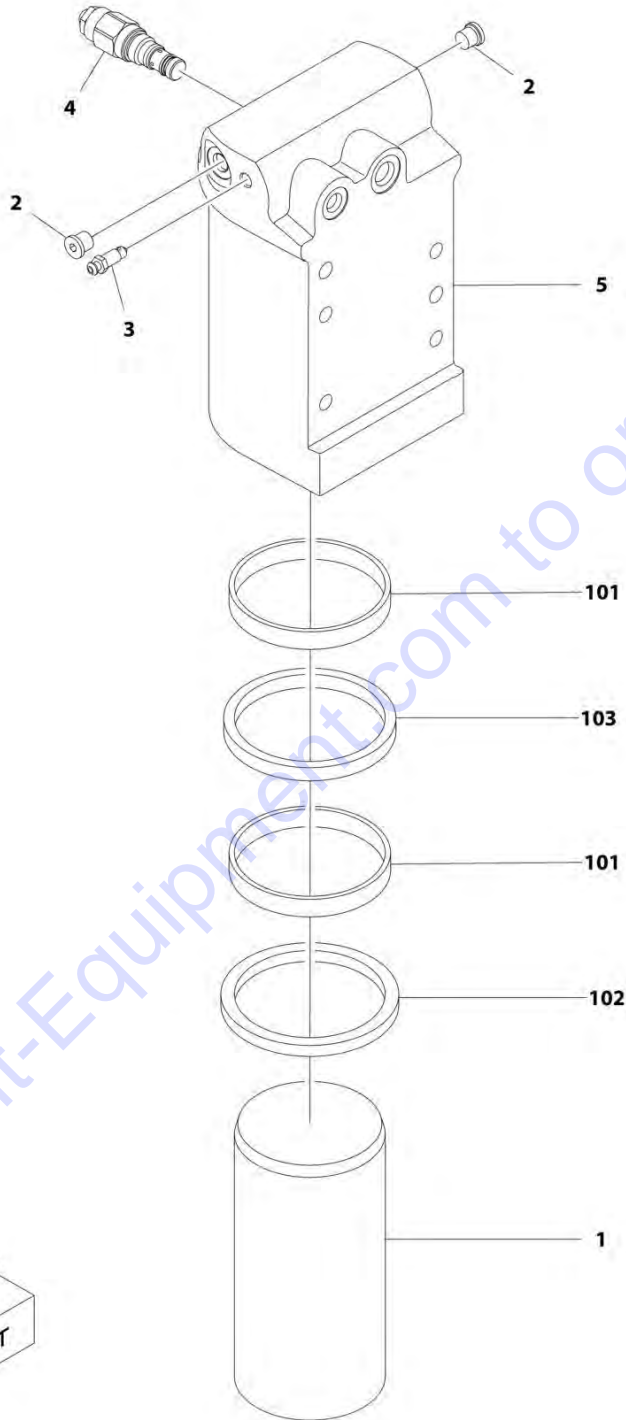
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SECTION 6 - CYLINDER

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SECTION 6 - CYLINDER

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY



ART_1001163580

SECTION 6 - CYLINDER

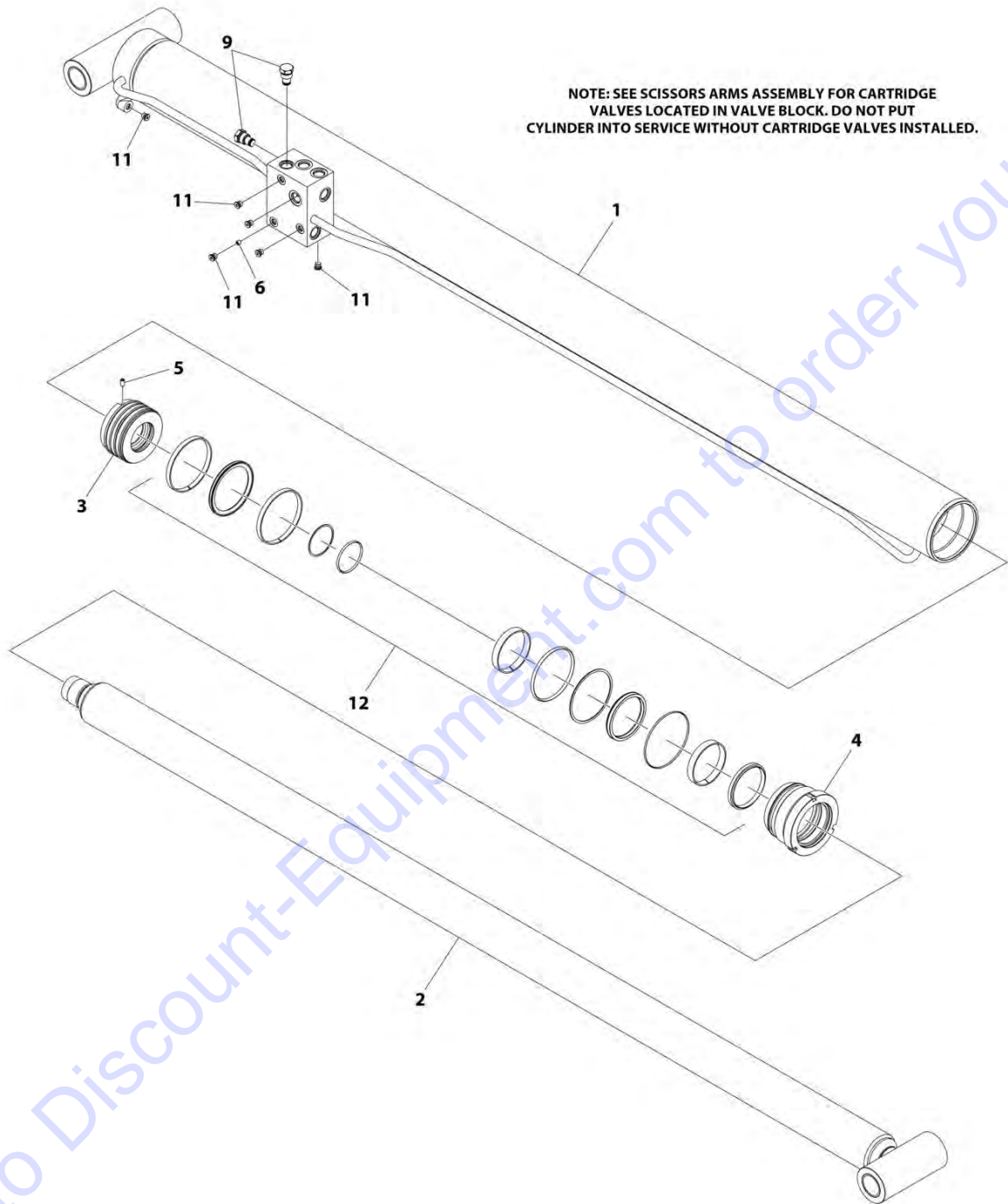
FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163580	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1684290	1	Rod	
2	2220883	2	Plug #4	
3	4640858	1	Valve, Bleeder	
4	1001117372	1	Cartridge, Valve	
4	70002842	1	Seal Kit - 1001117372 Valve	
5	1001164817	1	Barrel	
100	2902266	1	Seal Kit - 1001163590 Cylinder (Includes Items 101-103)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal (Note: Use Item 100)	
103	See Note	NSS	Wiper (Note: Use Item 100)	

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SECTION 6 - CYLINDER

FIGURE 6-2. LOWER LIFT CYLINDER



NOTE: SEE SCISSORS ARMS ASSEMBLY FOR CARTRIDGE VALVES LOCATED IN VALVE BLOCK. DO NOT PUT CYLINDER INTO SERVICE WITHOUT CARTRIDGE VALVES INSTALLED.

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ART_1001234703

SECTION 6 - CYLINDER

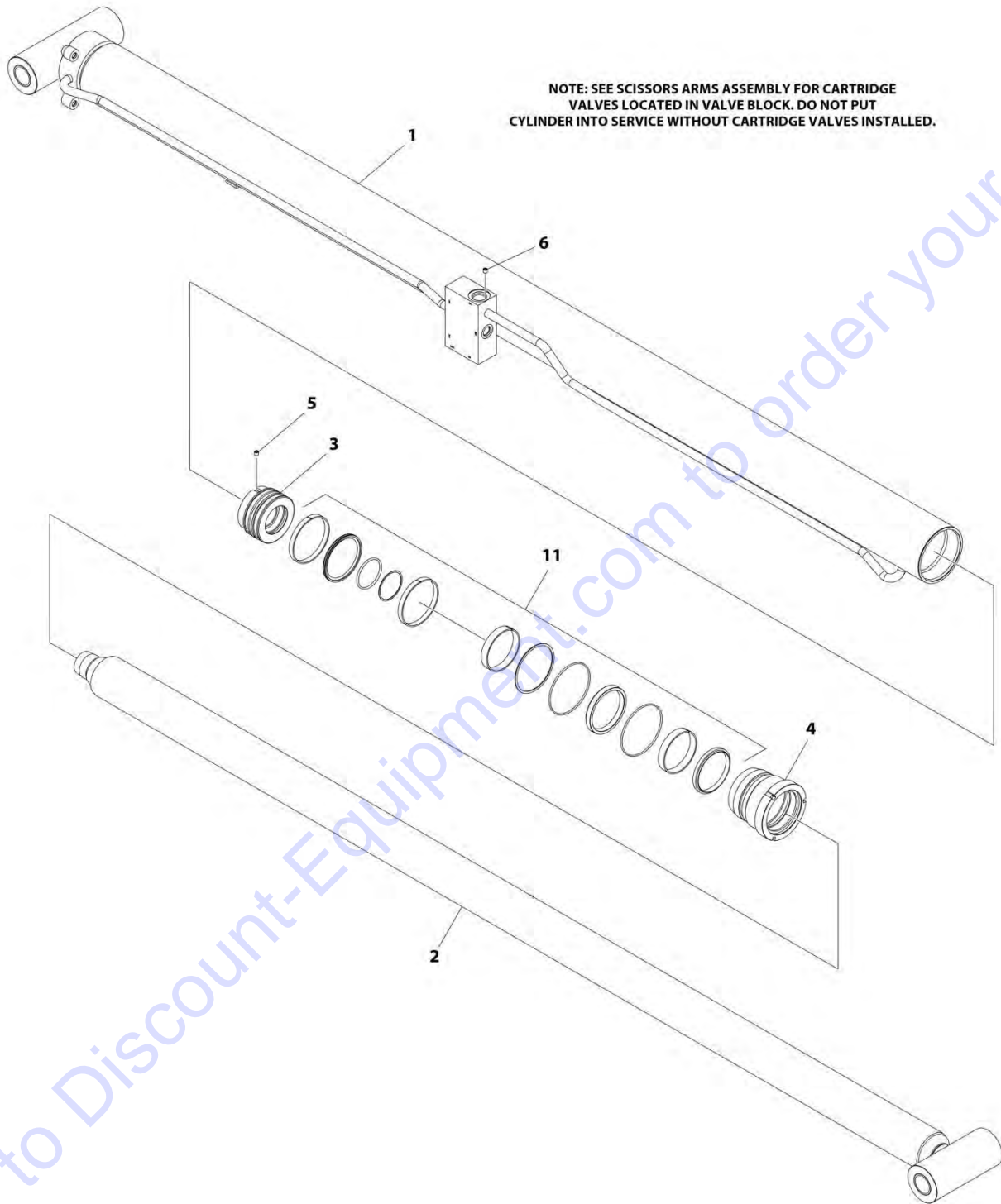
FIGURE 6-2. LOWER LIFT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234703	Ref	LOWER LIFT CYLINDER	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use p/n 1001234703)	
2	70005383	1	Rod	
3	70005381	1	Piston	
4	70005382	1	Head	
5	70020438	1	Screw	
6	70006844	1	Orifice	
9	1001132208	2	Valve, Check	
9	7017496	2	Seal Kit - 1001132208 Valve (1 per Cartridge)	
11	2220883	6	Plug	
12	70005380	1	Seal Kit - 1001234703 Cylinder	

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SECTION 6 - CYLINDER

FIGURE 6-3. UPPER LIFT CYLINDER



ART_1001225369

SECTION 6 - CYLINDER

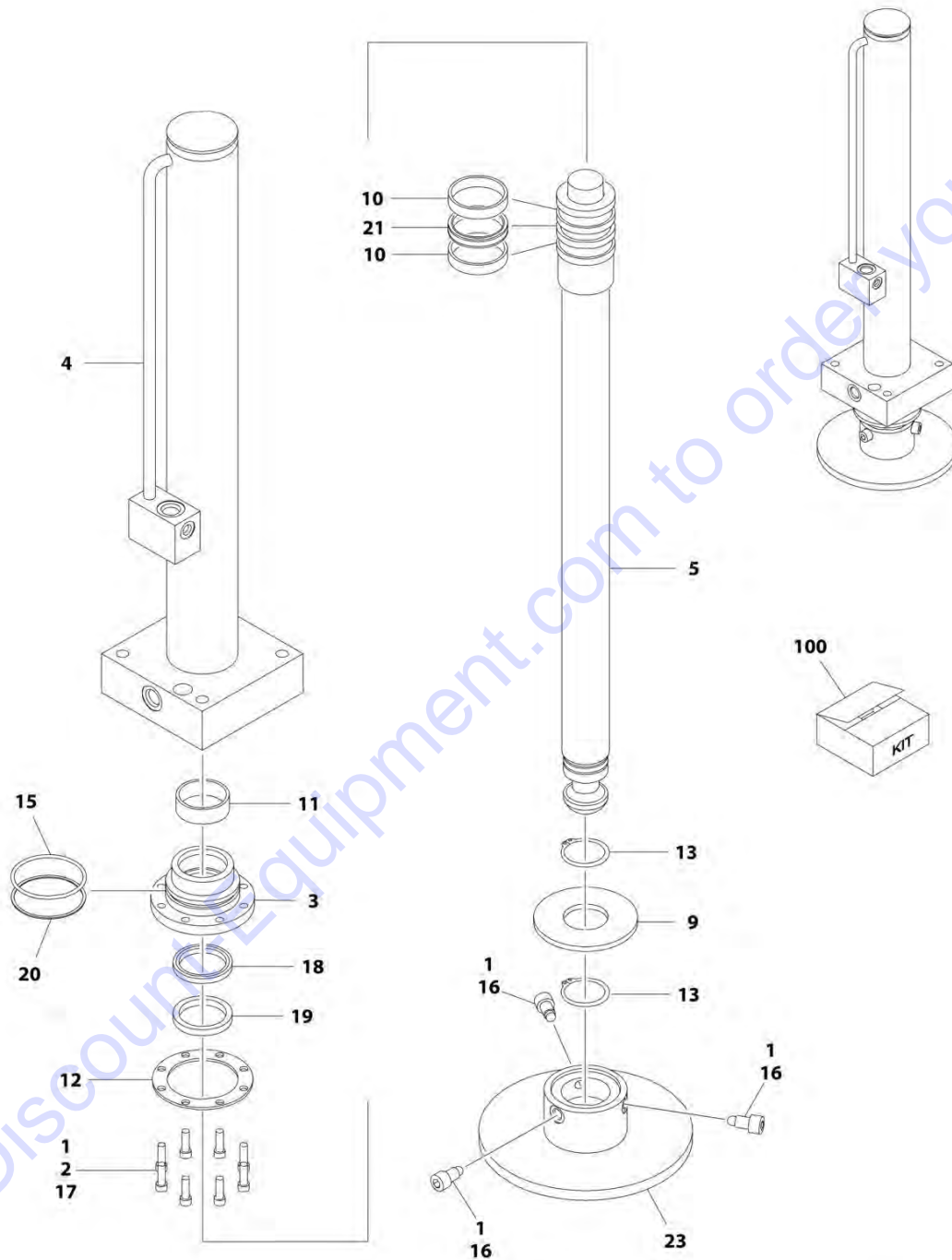
FIGURE 6-3. UPPER LIFT CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225369	Ref	UPPER LIFT CYLINDER	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use p/n 1001225369)	
2	70005378	1	Rod	
3	70005376	1	Piston	
4	70005377	1	Head	
5	70023915	1	Screw	
6	70006843	1	Orifice	
11	70005375	1	Seal Kit - 1001225369 Cylinder	

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SECTION 6 - CYLINDER

FIGURE 6-4. LEVELING JACK CYLINDER ASSEMBLY (SN E20000676 through E20000705)



ART_1684406-D

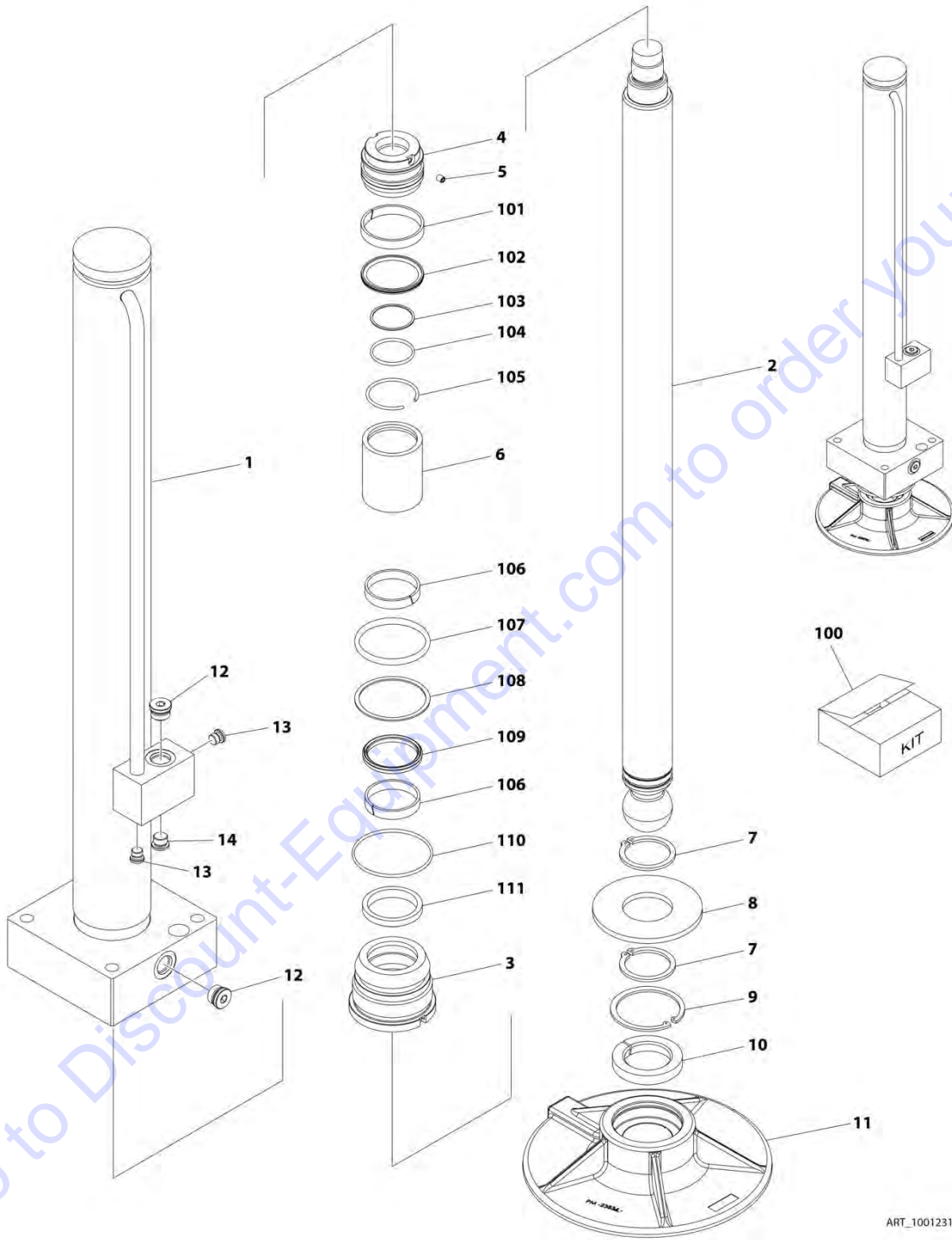
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FIGURE 6-4. LEVELING JACK CYLINDER ASSEMBLY (SN E20000676 through E20000705)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684406	Ref	LEVELING JACK CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	1683054	1	Head	
4	0370018	1	Barrel	
5	3850013	1	Rod	
9	3573513	1	Plate, Jack	
10	See Note	NSS	Ring, Lock (Note: Use Item 100)	
11	See Note	NSS	Ring, Wear (Note: Use Item 100)	
12	3760368	1	Ring, Washer	
13	3760460	2	Ring, Retaining	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	3900321	3	Screw 1/2 x 1-1/4	
17	3931516	8	Capscrew 5/16 x 1	
18	See Note	NSS	Seal (Note: Use Item 100)	
19	See Note	NSS	Wiper (Note: Use Item 100)	
20	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
21	See Note	NSS	T-Seal (Note: Use Item 100)	
23	4846584	1	Pad, Jack	
100	2902182	1	Seal Kit - 1684406 Cylinder (Includes Items 10, 11, 15 & 18-21)	

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FIGURE 6-5. LEVELING JACK CYLINDER ASSEMBLY (SN E20000706 to Present)



ART_1001231261

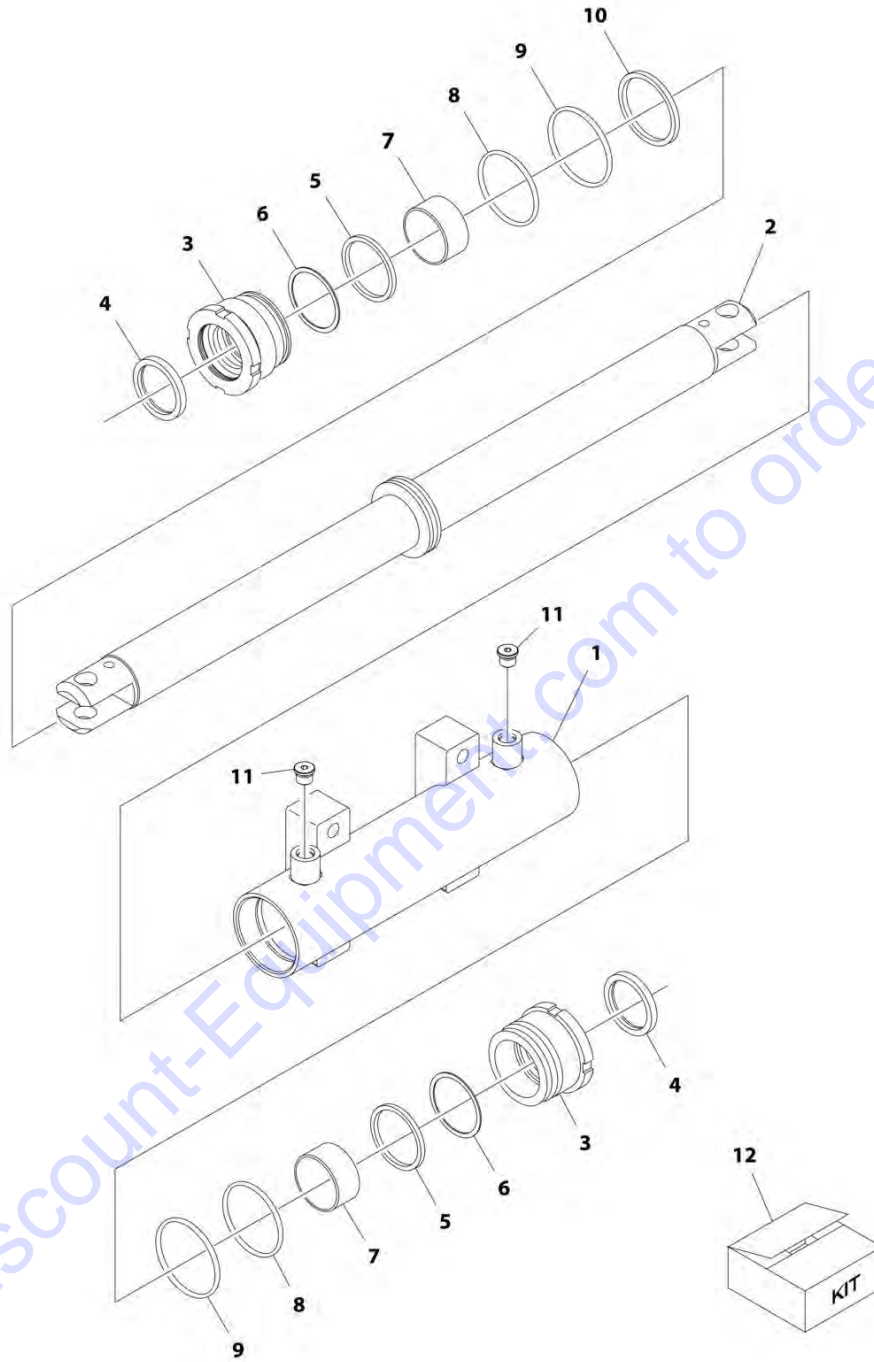
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FIGURE 6-5. LEVELING JACK CYLINDER ASSEMBLY (SN E20000706 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001231261	Ref	LEVELING JACK CYLINDER ASSEMBLY	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel (Note: Use p/n 1001231261)	
2	70007045	1	Rod	
3	70026417	1	Head	
4	70007044	1	Piston	
5	70023915	1	Screw	
6	70007043	1	Spacer	
7	70007042	2	Ring, Retaining	
8	70007041	1	Plate, Jack	
9	70007040	1	Ring, Retaining	
10	70007039	1	Half Shell	
11	70007038	1	Pad, Jack	
12	2220886	2	Plug	
13	2220887	2	Plug	
14	2220885	1	Plug	
100	70007037	1	Seal Kit - 1001231261 Cylinder (Includes Items 101-111)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal (Note: Use Item 100)	
103	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
104	See Note	NSS	O-Ring (Note: Use Item 100)	
105	See Note	NSS	Ring, Snap (Note: Use Item 100)	
106	See Note	NSS	Ring, Wear (Note: Use Item 100)	
107	See Note	NSS	O-Ring (Note: Use Item 100)	
108	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
109	See Note	NSS	Seal (Note: Use Item 100)	
110	See Note	NSS	O-Ring (Note: Use Item 100)	
111	See Note	NSS	Wiper (Note: Use Item 100)	

SECTION 6 - CYLINDER

FIGURE 6-6. STEER CYLINDER ASSEMBLY



ART_1001163178

SECTION 6 - CYLINDER

FIGURE 6-6. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001163178	Ref	STEER CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005150	1	Barrel	
2	70005151	1	Rod	
3	70005152	2	Head	
4	See Note	NSS	Wiper (Note: Use Item 12)	
5	See Note	NSS	Seal, Rod (Note: Use Item 12)	
6	See Note	NSS	Ring, Back-up (Note: Use Item 12)	
7	70005153	2	Bearing, Dry	
8	See Note	NSS	O-Ring (Note: Use Item 12)	
9	See Note	NSS	O-Ring (Note: Use Item 12)	
10	See Note	NSS	Seal, Piston (Note: Use Item 12)	
11	See Note	2	Plug 9/16 (Note: Not Available for Purchase)	
12	70005154	1	Seal Kit - 1001163178 Cylinder (Includes Items 4-6 & 8-10)	

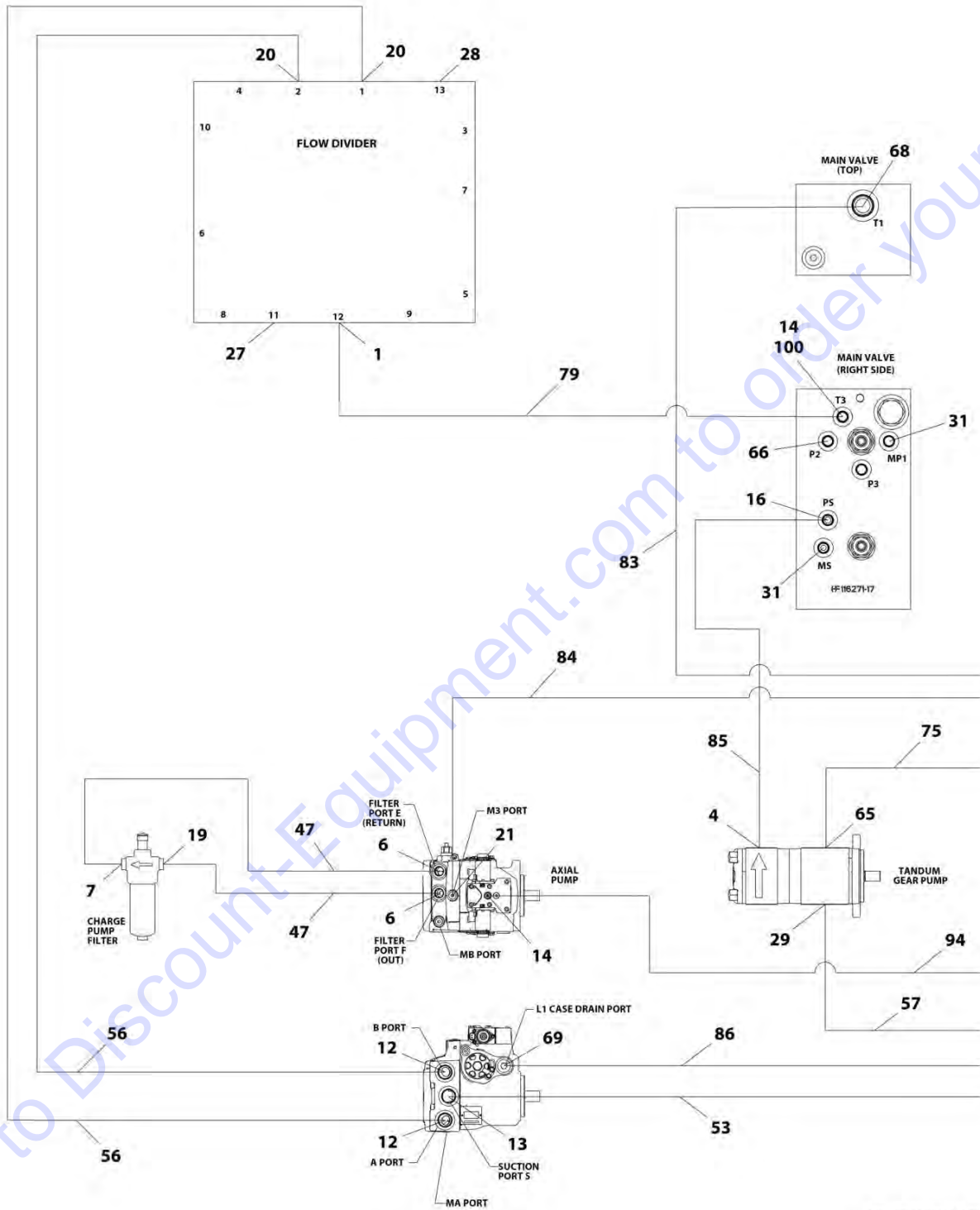
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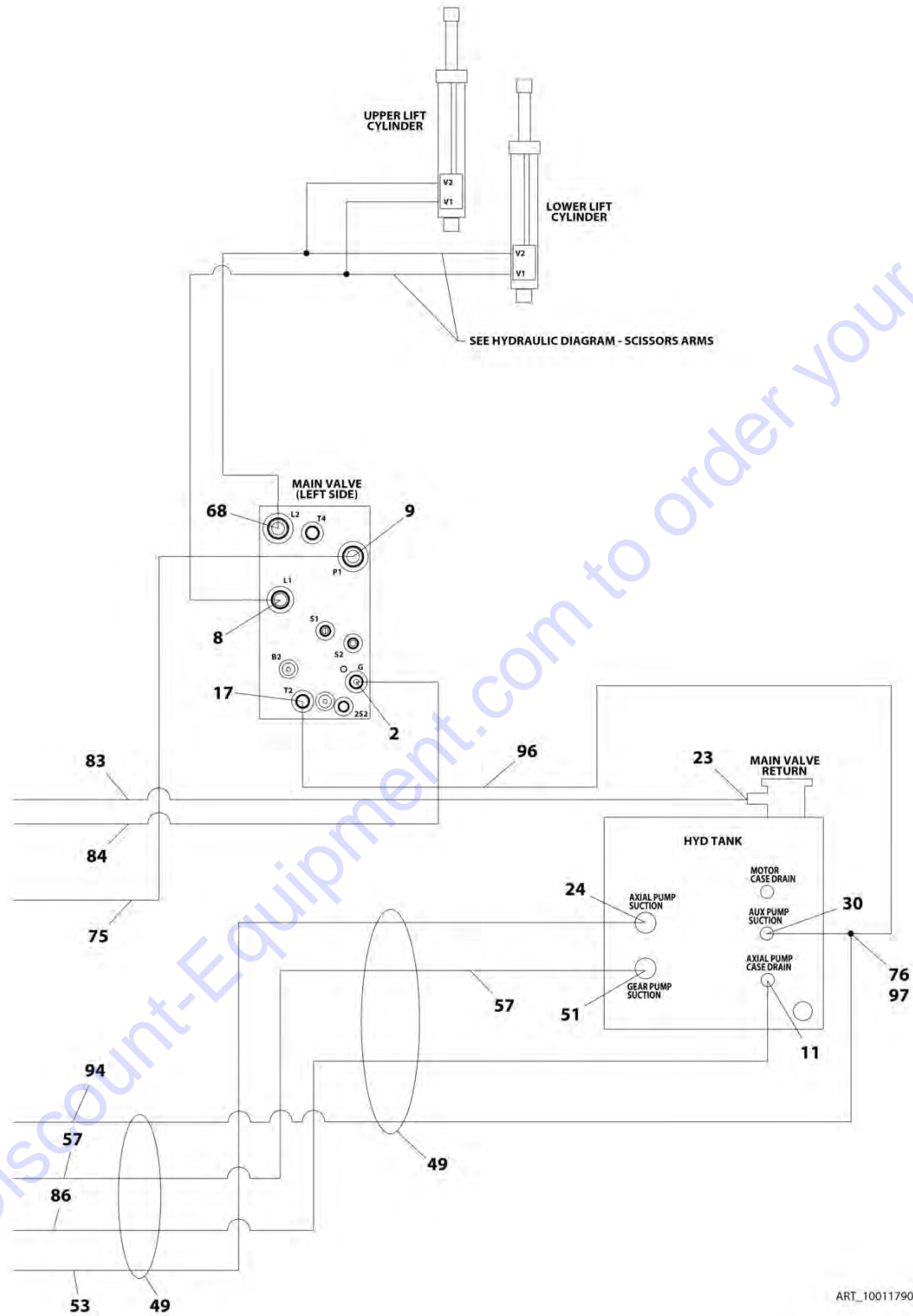
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FIGURE 7-1. HYDRAULIC DIAGRAM - FIXED AXLE



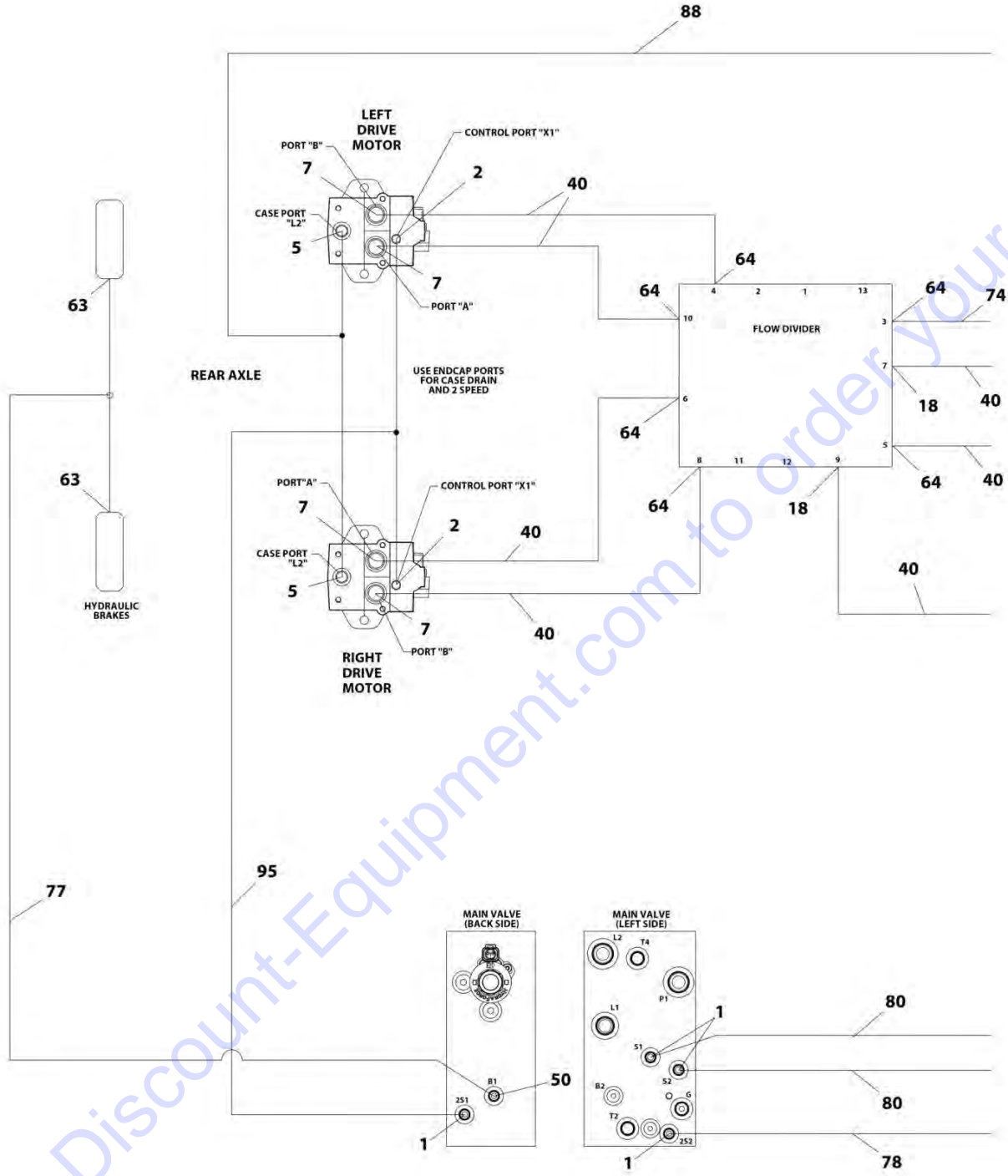
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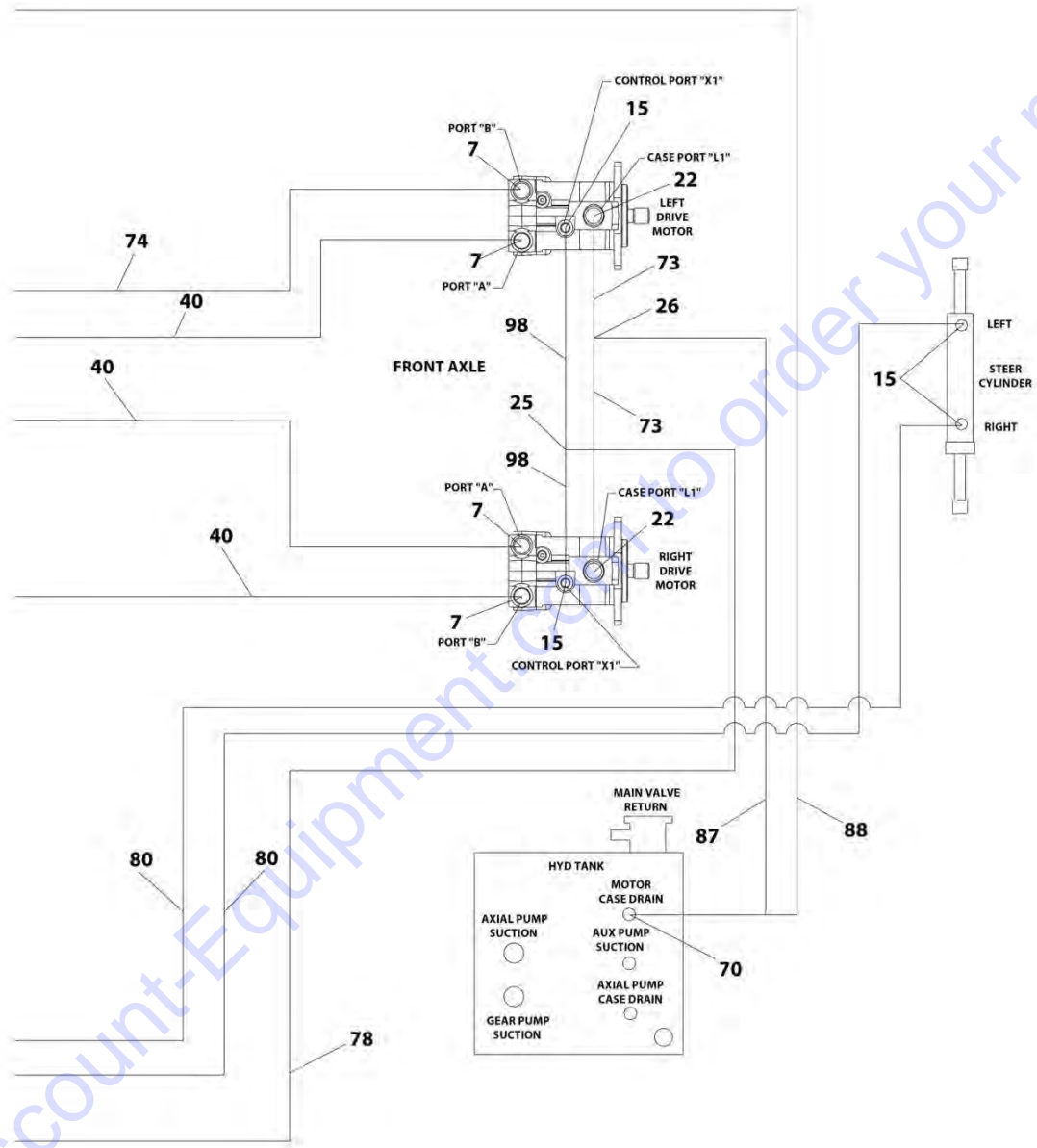
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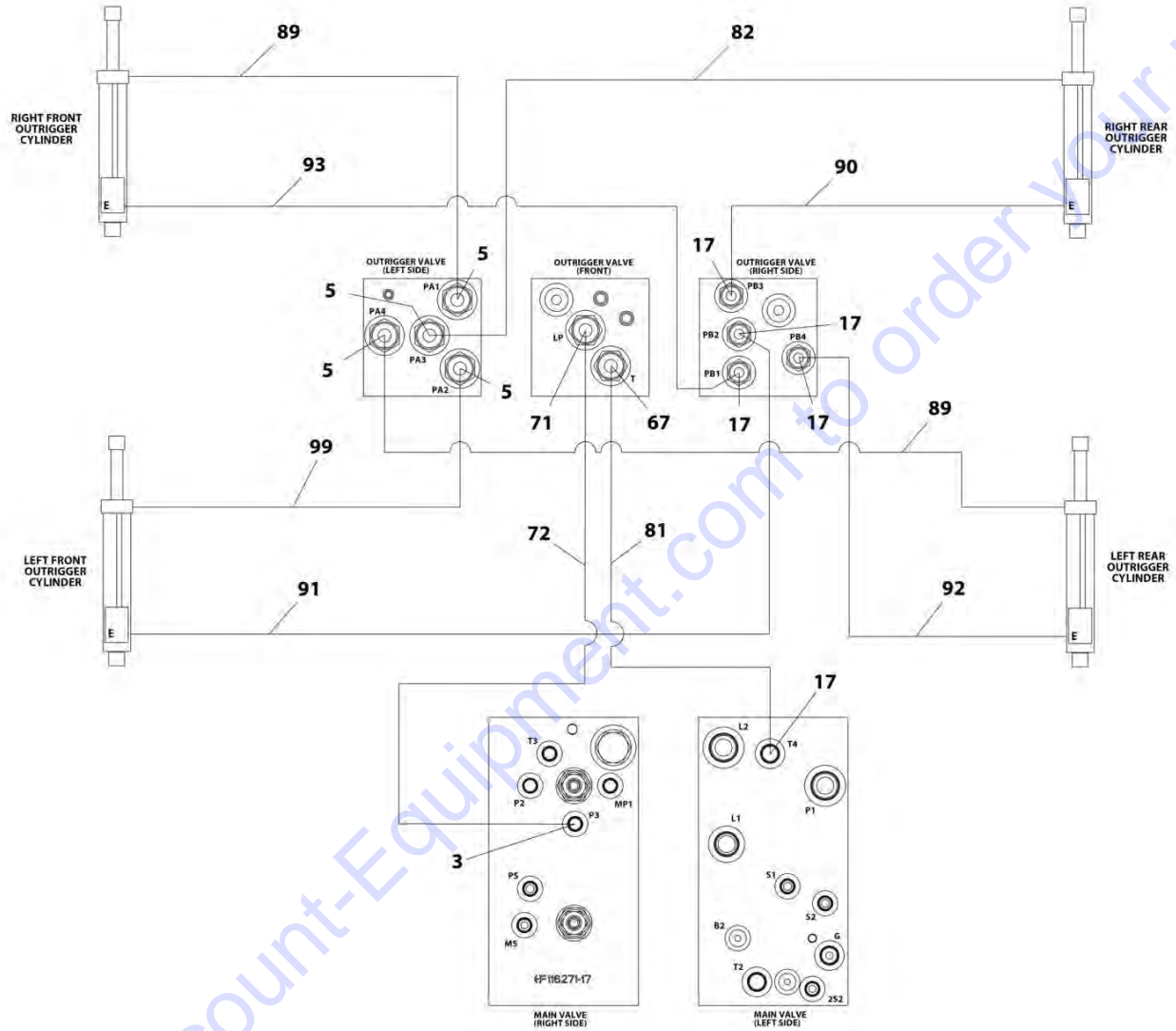
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ART_1001179071_40F5

SECTION 7 - HYDRAULIC



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SECTION 7 - HYDRAULIC

FIGURE 7-1. HYDRAULIC DIAGRAM - FIXED AXLE

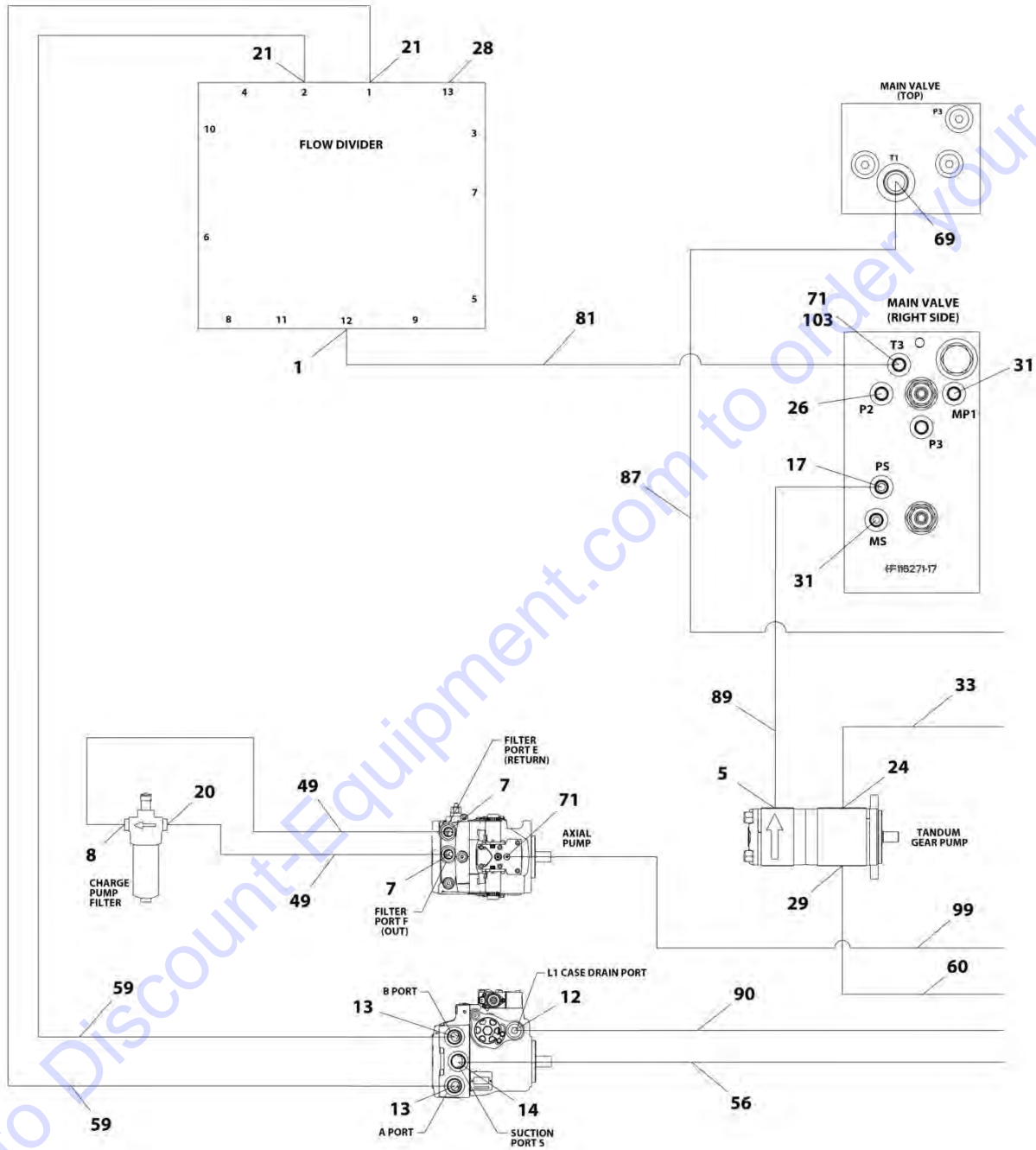
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001179071	Ref	HYDRAULIC DIAGRAM - FIXED AXLE	H
1	2220415	5	Fitting, Straight JIC/ORB	
2	2220582	3	Fitting, Straight JIC/ORB	
3	2220603	1	Fitting, Straight JIC/ORB	
4	2220497	1	Fitting, Straight JIC/ORB	
5	2220373	6	Fitting, Straight JIC/ORB	
6	2110810	2	Fitting, Straight ORFS/ORB	
7	2110812	9	Fitting, Straight ORFS/ORB	
8	2220852	1	Fitting, Straight JIC/ORB	
9	2111010	1	Fitting, Straight ORFS/ORB	
11	2220578	1	Fitting, 90 JIC/ORB	
12	2111216	2	Fitting, Straight ORFS/ORB	
13	2112016	1	Fitting, Straight ORFS/ORB	
14	2220466	AR	Fitting, 90 JIC/ORB	
15	2221040	4	Fitting, 45 JIC/ORB	
16	2220775	1	Fitting, 90 JIC/ORB	
17	2220371	6	Fitting, Straight JIC/ORB	
18	2110808	2	Fitting, Straight ORFS/ORB	
19	2130812	1	Fitting, 90 ORFS/ORB	
20	2131216	2	Fitting, 90 ORFS/ORB	
21	2220472	1	Fitting, 90 JIC/ORB	
22	2220500	2	Fitting, 45 JIC/ORB	
23	2220435	1	Fitting, Straight JIC/ORB	
24	2152020	1	Fitting, 45 ORFS/ORB	
25	2220504	1	Fitting, Tee JIC/JIC/JIC	
26	2220362	1	Fitting, Tee FL/FL/FL	
27	2220237	1	Plug ORB	
28	2220238	1	Plug ORB	
29	2220479	1	Fitting, Straight JIC/ORB	
30	2220577	1	Fitting, Straight JIC/ORB	
31	2221086	2	Fitting, Test	
40	2753791	7	Hose	
47	2754244	2	Hose	
49	4061032	AR	Shield	
50	2110404	1	Fitting, Straight ORFS/ORB	
51	8760351	1	Fitting, 45 JIC/ORB	
53	1001104581	1	Hose	
56	1001107924	2	Hose	
57	1001108128	1	Hose	
63	2130404	2	Fitting, 90 ORFS/ORB	
64	2130808	6	Fitting, 90 ORFS/ORB	
65	2131010	1	Fitting, 90 ORFS/ORB	
66	2220235	1	Fitting	
67	2220372	1	Fitting, Straight JIC/ORB	
68	2220408	2	Fitting, Straight JIC/ORB	
69	2220451	1	Fitting, Straight JIC/ORB	
70	2220602	1	Fitting, Tee JIC/ORB/JIC	
71	2220628	1	Fitting, 90 JIC/ORB	
72	2716703	1	Hose	
73	2716705	2	Hose	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
74	2753970	1	Hose	
75	2753798	1	Hose	
76	8760268	1	Fitting, 90 JIC/FSJIC	
77	1001104589	1	Hose	
78	1001108477	1	Hose	
79	1001151351	1	Hose	
80	1001158199	2	Hose	
81	1001158246	1	Hose	
82	1001182051	1	Hose	
83	1001194378	1	Hose	
84	1001194379	1	Hose	
85	1001194380	1	Hose	
86	1001194381	1	Hose	
87	1001194382	1	Hose	
88	1001194383	1	Hose	
89	1001194384	2	Hose	
90	1001194385	1	Hose	
91	1001194386	1	Hose	
92	1001194387	1	Hose	
93	1001194388	1	Hose	
94	1001194390	1	Hose	
95	1001194391	1	Hose	
96	2752485	1	Hose	
97	2220635	1	Fitting, Tee JIC/JIC/JIC	
98	1001151354	2	Hose	
99	1001205920	1	Hose	
100	2220502	AR	Fitting, 45 JIC/ORB	

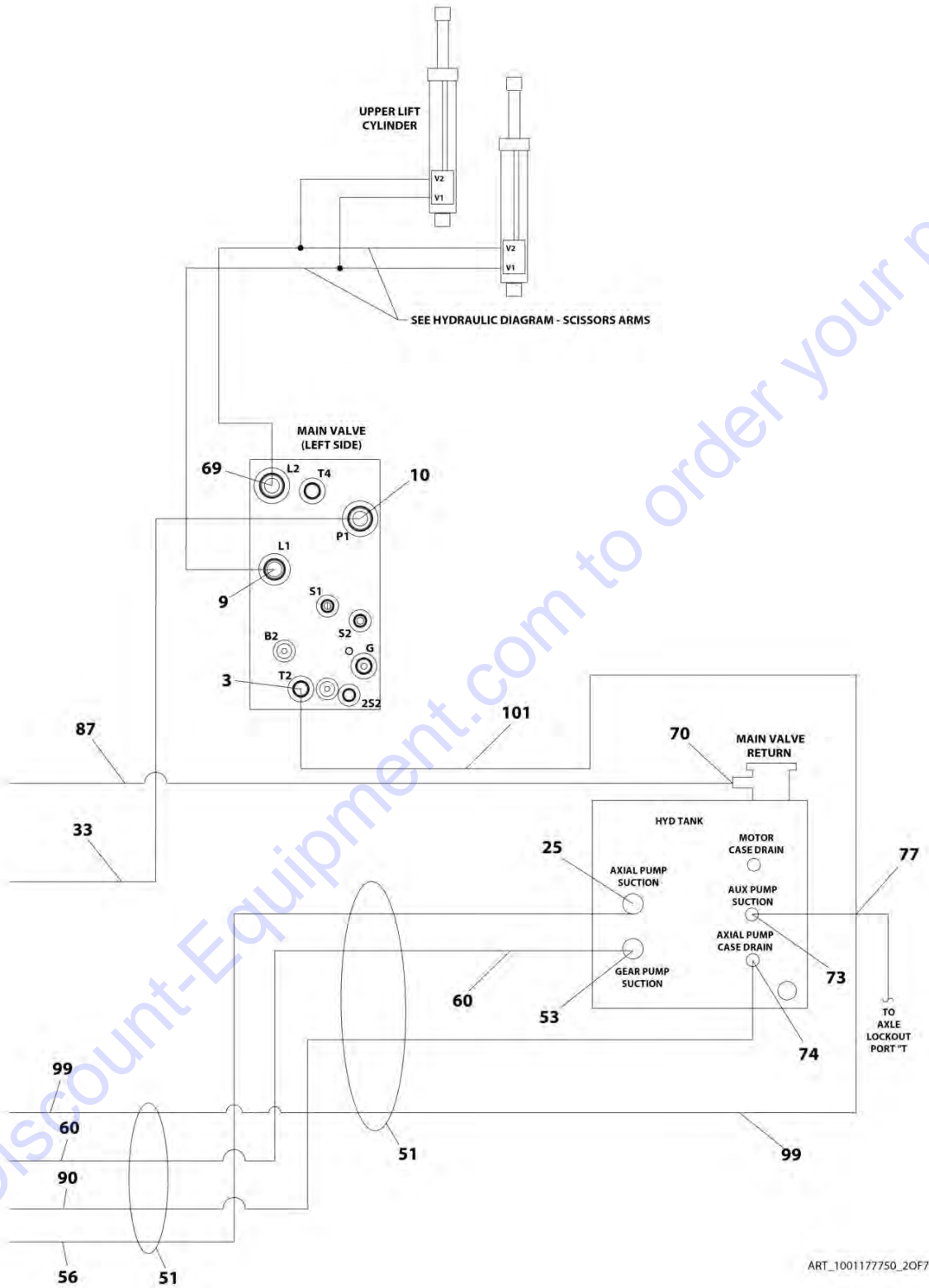
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FIGURE 7-2. HYDRAULIC DIAGRAM - OSCILLATING AXLE

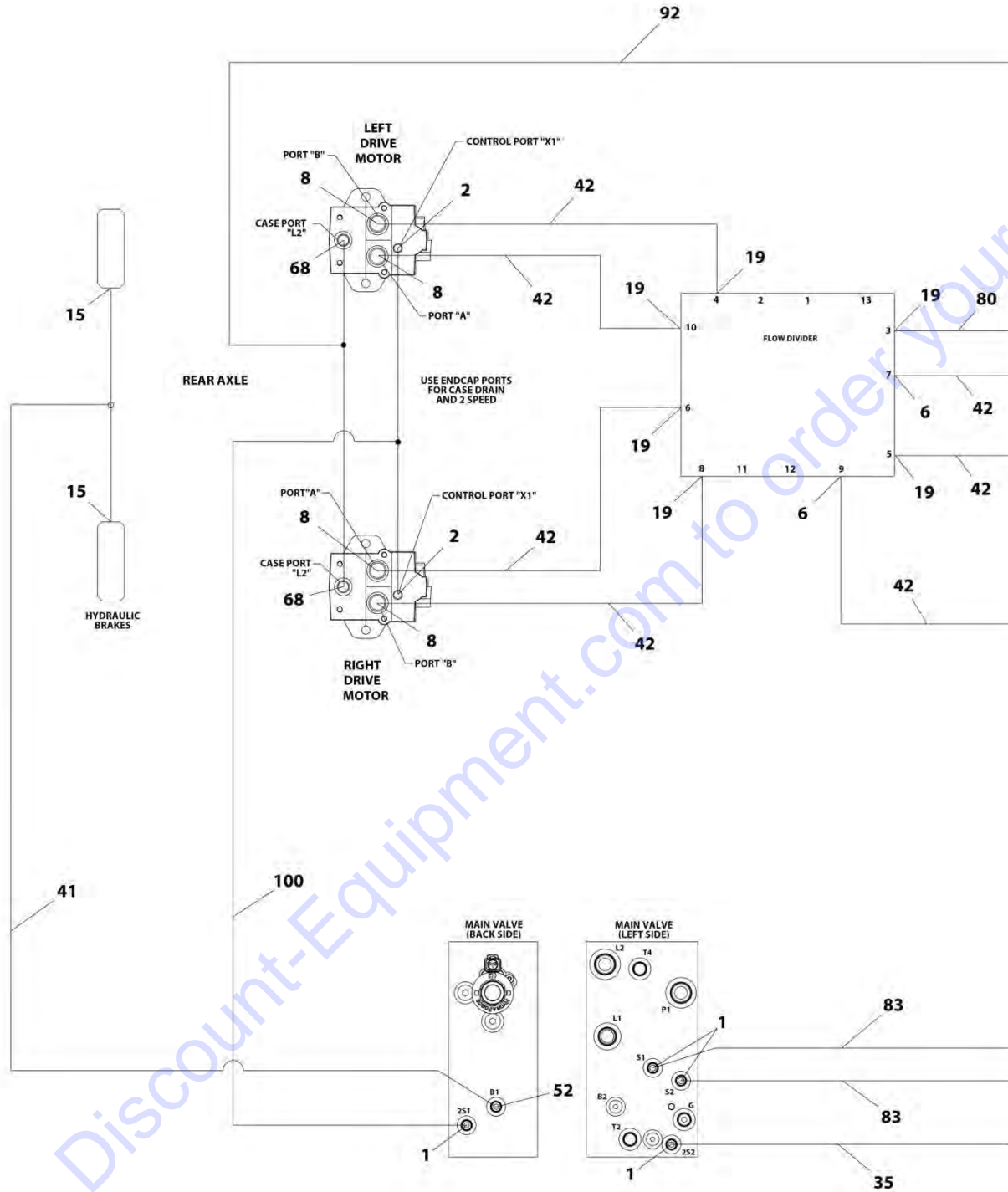


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SECTION 7 - HYDRAULIC

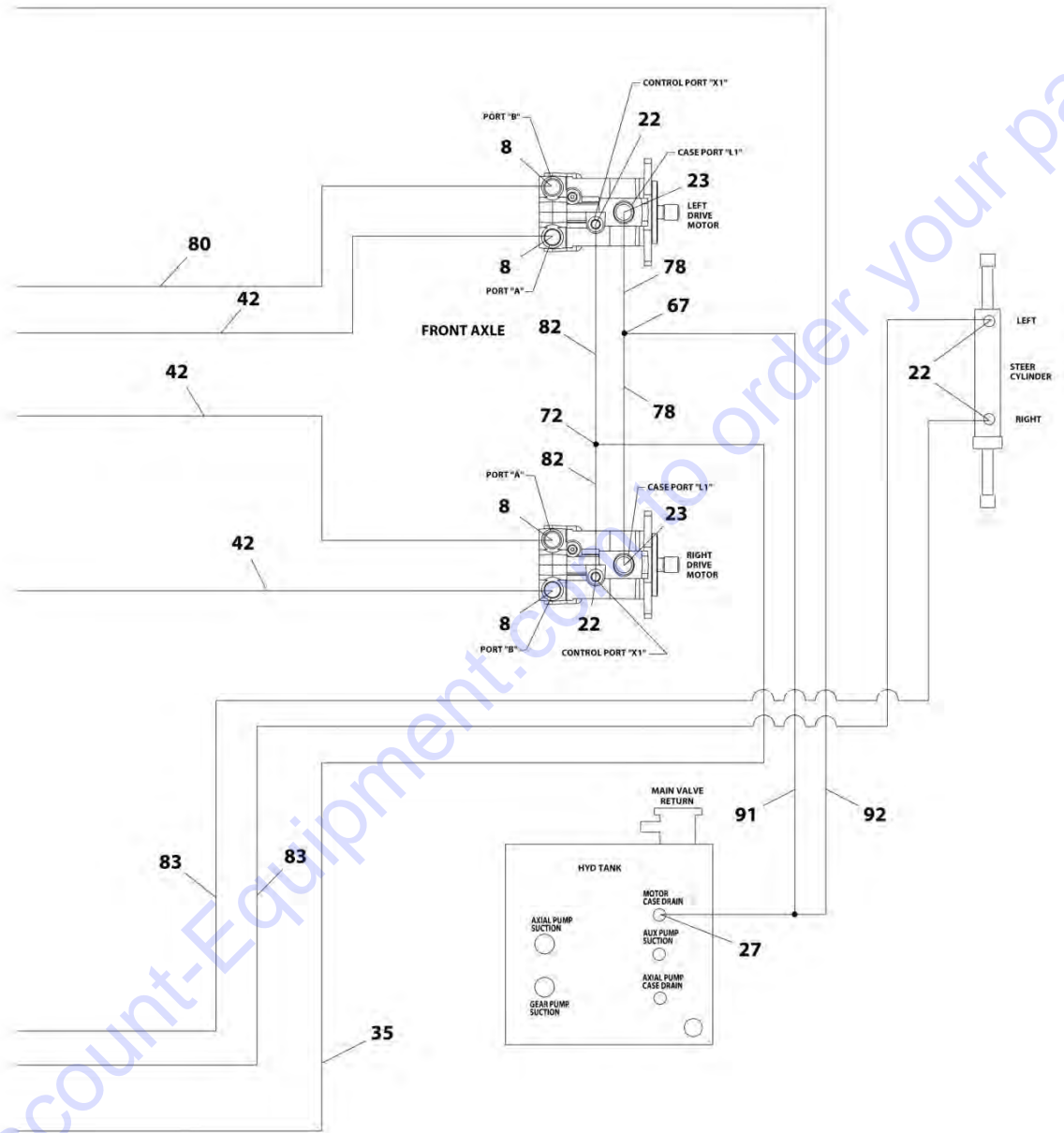


SECTION 7 - HYDRAULIC



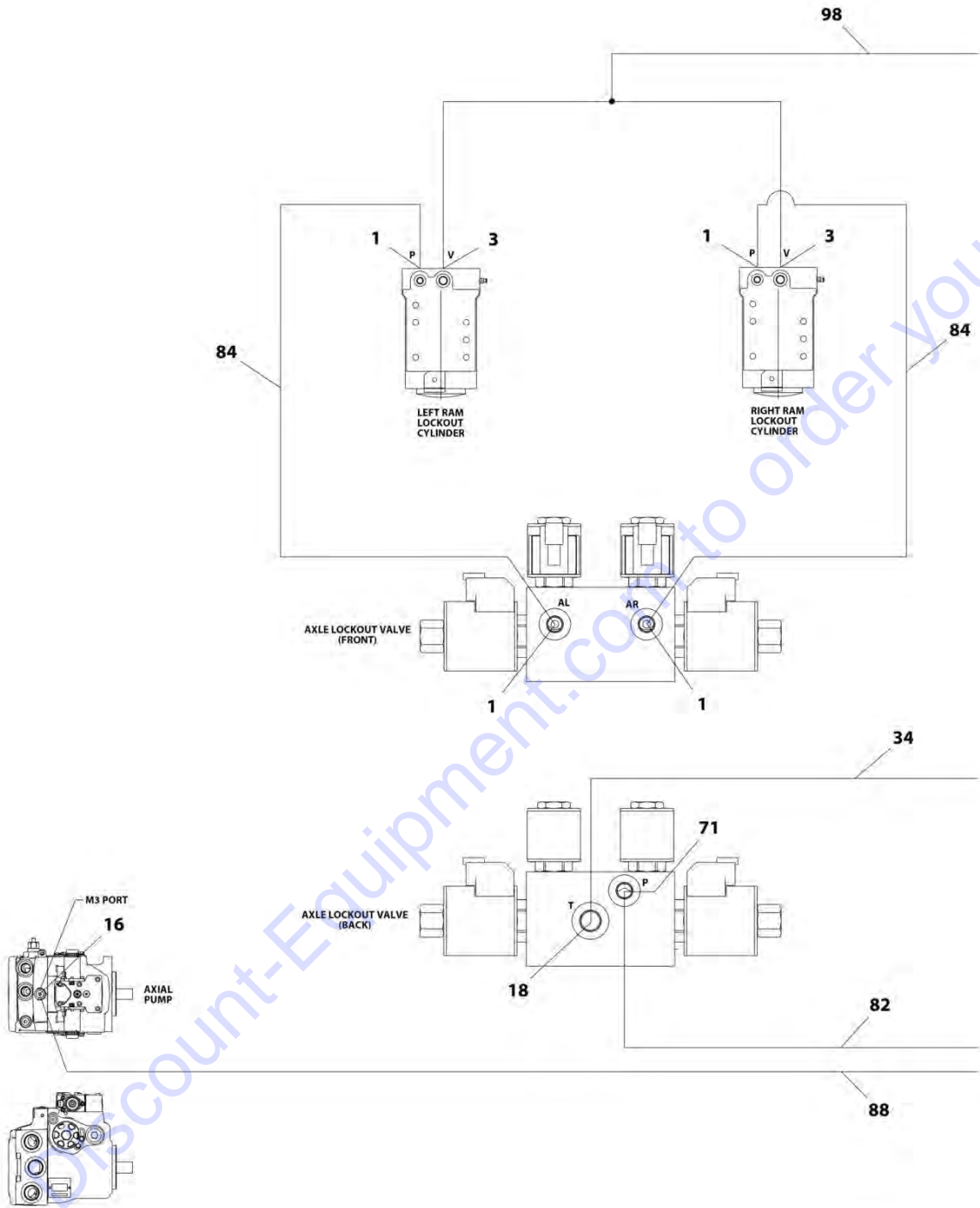
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SECTION 7 - HYDRAULIC



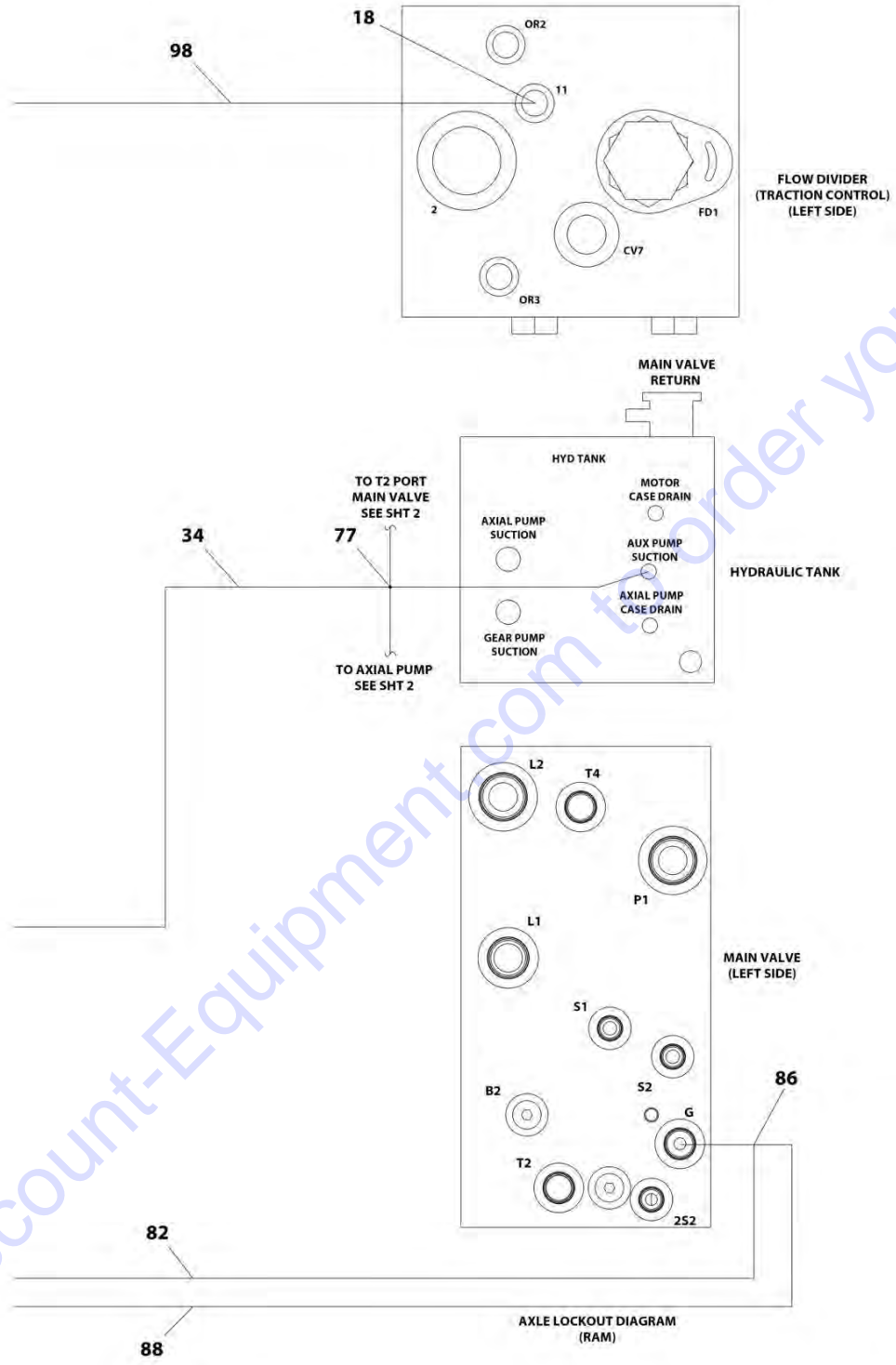
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SECTION 7 - HYDRAULIC



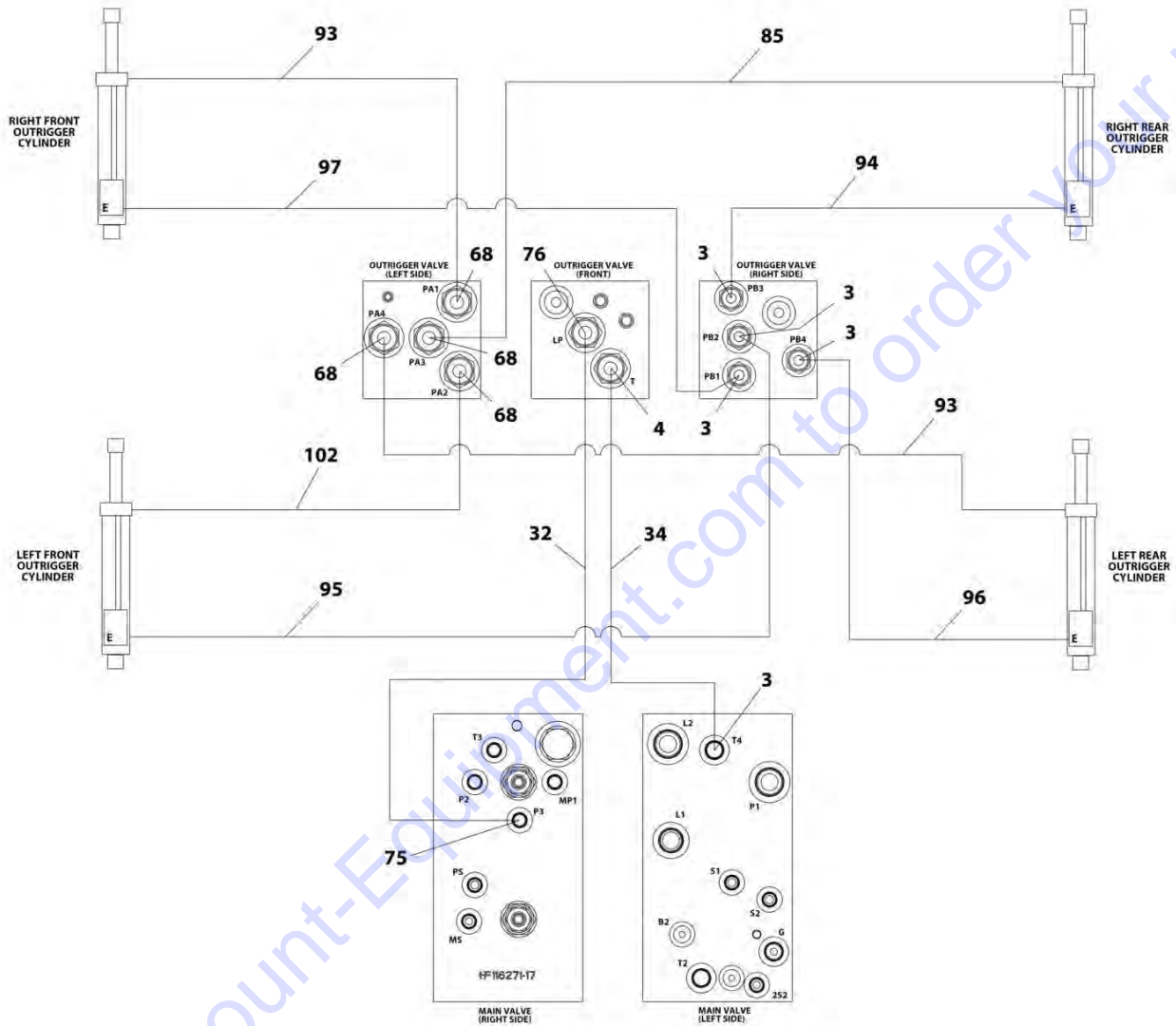
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ART_100117750_6OF7

SECTION 7 - HYDRAULIC



ART_100117750_7OF7

SECTION 7 - HYDRAULIC

FIGURE 7-2. HYDRAULIC DIAGRAM - OSCILATING AXLE

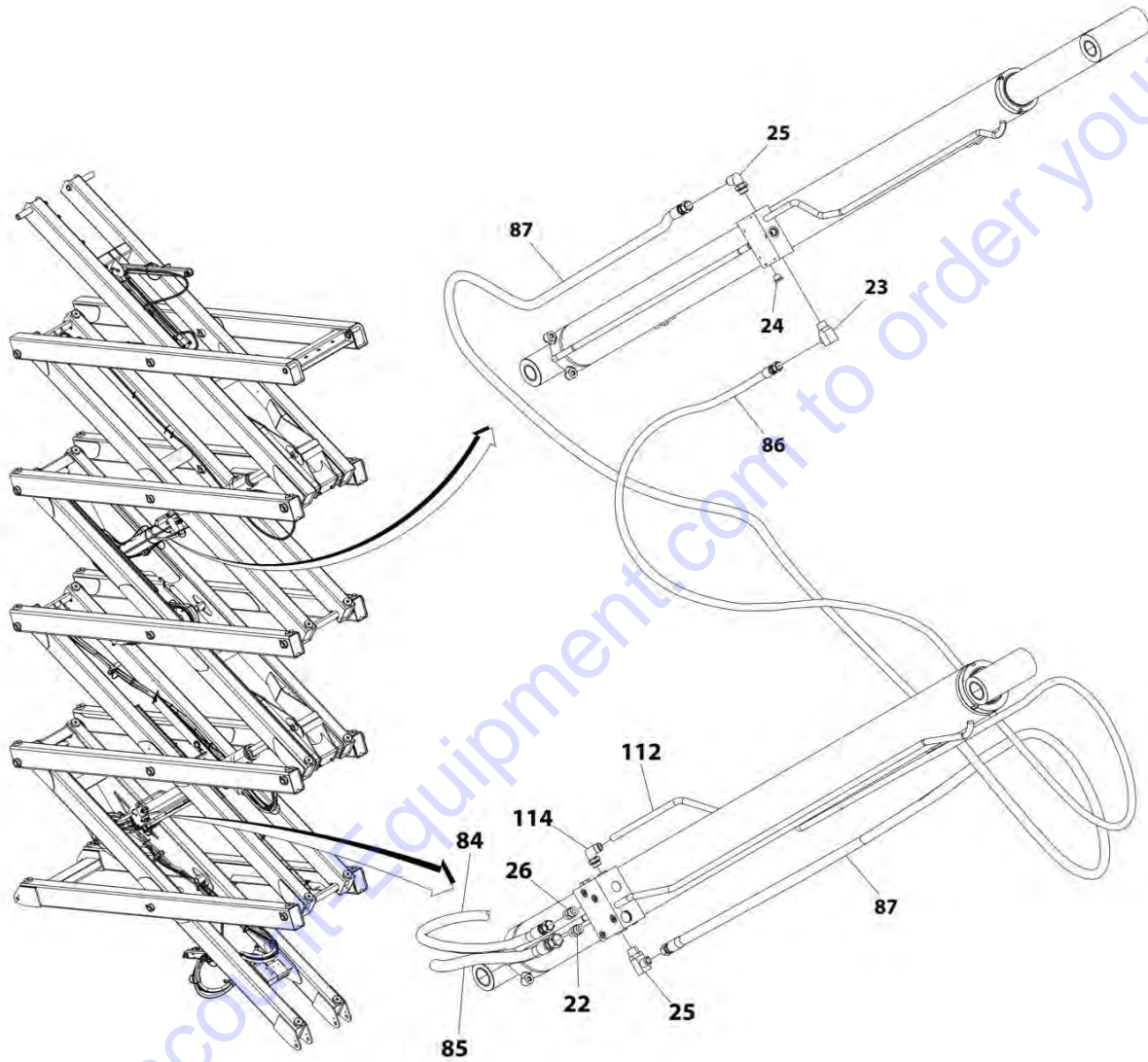
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001177750	Ref	HYDRAULIC DIAGRAM - OSCILLATING AXLE	H
1	2220415	9	Fitting, Straight JIC/ORB	
2	2220582	2	Fitting, Straight JIC/ORB	
3	2220371	8	Fitting, Straight JIC/ORB	
4	2220372	1	Fitting, Straight JIC/ORB	
5	2220497	1	Fitting, Straight JIC/ORB	
6	2110808	2	Fitting, Straight ORFS/ORB	
7	2110810	2	Fitting, Straight ORFS/ORB	
8	2110812	9	Fitting, Straight ORFS/ORB	
9	2220852	1	Fitting, Straight JIC/ORB	
10	2111010	1	Fitting, Straight ORFS/ORB	
12	2220451	1	Fitting, Straight JIC/ORB	
13	2111216	2	Fitting, Straight ORFS/ORB	
14	2112016	1	Fitting, Straight ORFS/ORB	
15	2130404	2	Fitting, 90 ORFS/ORB	
16	2220472	1	Fitting, 90 JIC/ORB	
17	2220775	1	Fitting, 90 JIC/ORB	
18	2220473	2	Fitting, 90 JIC/ORB	
19	2130808	6	Fitting, 90 ORFS/ORB	
20	2130812	1	Fitting, 90 ORFS/ORB	
21	2131216	2	Fitting, 90 ORFS/ORB	
22	2221040	4	Fitting, 45 JIC/ORB	
23	2220500	2	Fitting, 45 JIC/ORB	
24	2131010	1	Fitting, 90 ORFS/ORB	
25	2152020	1	Fitting, 45 ORFS/ORB	
26	2220235	1	Fitting	
27	2220602	1	Fitting, Tee JIC/ORB/JIC	
28	2220238	1	Plug ORB	
29	2220479	1	Fitting, Straight JIC/ORB	
31	2221086	2	Fitting, Test	
32	2716703	1	Hose	
33	2753798	1	Hose	
34	1001158246	2	Hose	
35	1001108477	1	Hose	
41	1001104589	1	Hose	
42	2753791	7	Hose	
49	2754244	2	Hose	
51	4061032	AR	Shield	
52	2110404	1	Fitting, Straight ORFS/ORB	
53	8760351	1	Fitting, 45 ORFS/ORB	
56	1001104581	1	Hose	
59	1001107924	2	Hose	
60	1001108128	1	Hose	
67	2220362	1	Fitting, Tee FL/FL/FL	
68	2220373	6	Fitting, Straight JIC/ORB	
69	2220408	2	Fitting, Straight JIC/ORB	
70	2220435	1	Fitting, Straight JIC/ORB	
71	2220466	AR	Fitting, 90 JIC/ORB	
72	2220504	1	Fitting, Tee JIC/JIC/JIC	
73	2220577	1	Fitting, Straight JIC/ORB	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
74	2220578	1	Fitting, 90 JIC/ORB	
75	2220603	1	Fitting, Straight JIC/ORB	
76	2220628	1	Fitting, 90 JIC/ORB	
77	2220635	2	Fitting, Tee JIC/JIC/JIC	
78	2716705	2	Hose	
80	2753970	1	Hose	
81	1001151351	1	Hose	
82	1001151354	3	Hose	
83	1001158199	2	Hose	
84	1001173043	2	Hose	
85	1001182051	1	Hose	
86	1001193988	1	Fitting, Tee JIC/ORB/JIC	
87	1001194378	1	Hose	
88	1001194379	1	Hose	
89	1001194380	1	Hose	
90	1001194381	1	Hose	
91	1001194382	1	Hose	
92	1001194383	1	Hose	
93	1001194384	2	Hose	
94	1001194385	1	Hose	
95	1001194386	1	Hose	
96	1001194387	1	Hose	
97	1001194388	1	Hose	
98	1001194389	1	Hose	
99	1001194390	1	Hose	
100	1001194391	1	Hose	
101	2752485	1	Hose	
102	1001205920	1	Hose	
103	2220502	AR	Fitting, 45 JIC/ORB	

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FIGURE 7-3. HYDRAULIC DIAGRAM - SCISSOR ARMS



ART_1001217384_30F3

SECTION 7 - HYDRAULIC

FIGURE 7-3. HYDRAULIC DIAGRAM - SCISSOR ARMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001217384	Ref	SCISSOR ARMS ASSEMBLY - HYDRAULIC	G
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220671	1	Fitting, 90 JIC/ORB	
24	2220883	1	Plug	
25	2220906	2	Fitting, 90 JIC/ORB	
26	2220947	1	Fitting, Straight JIC/ORB	
84	1001193174	1	Hose	
85	1001193179	1	Hose	
86	1001236307	1	Hose	
87	1001236306	1	Hose	
112	1001237837	1	Tube	
114	2221036	1	Fitting, 90 JIC/ORB	

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FIGURE 7-4. HYDRAULIC DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: Diagrams are available from Discount-equipment.com	
		Ref	HYDRAULIC DIAGRAM LIST	
	1001179071	Ref	HYDRAULIC DIAGRAM - FIXED AXLE	
	1001177750	Ref	HYDRAULIC DIAGRAM - OSCILLATING AXLE	
	1001217384	Ref	HYDRAULIC DIAGRAM - SCISSOR ARMS	
	1001232921	Ref	HYDRAULIC SCHEMATIC (Not Shown - See Service Manual)	

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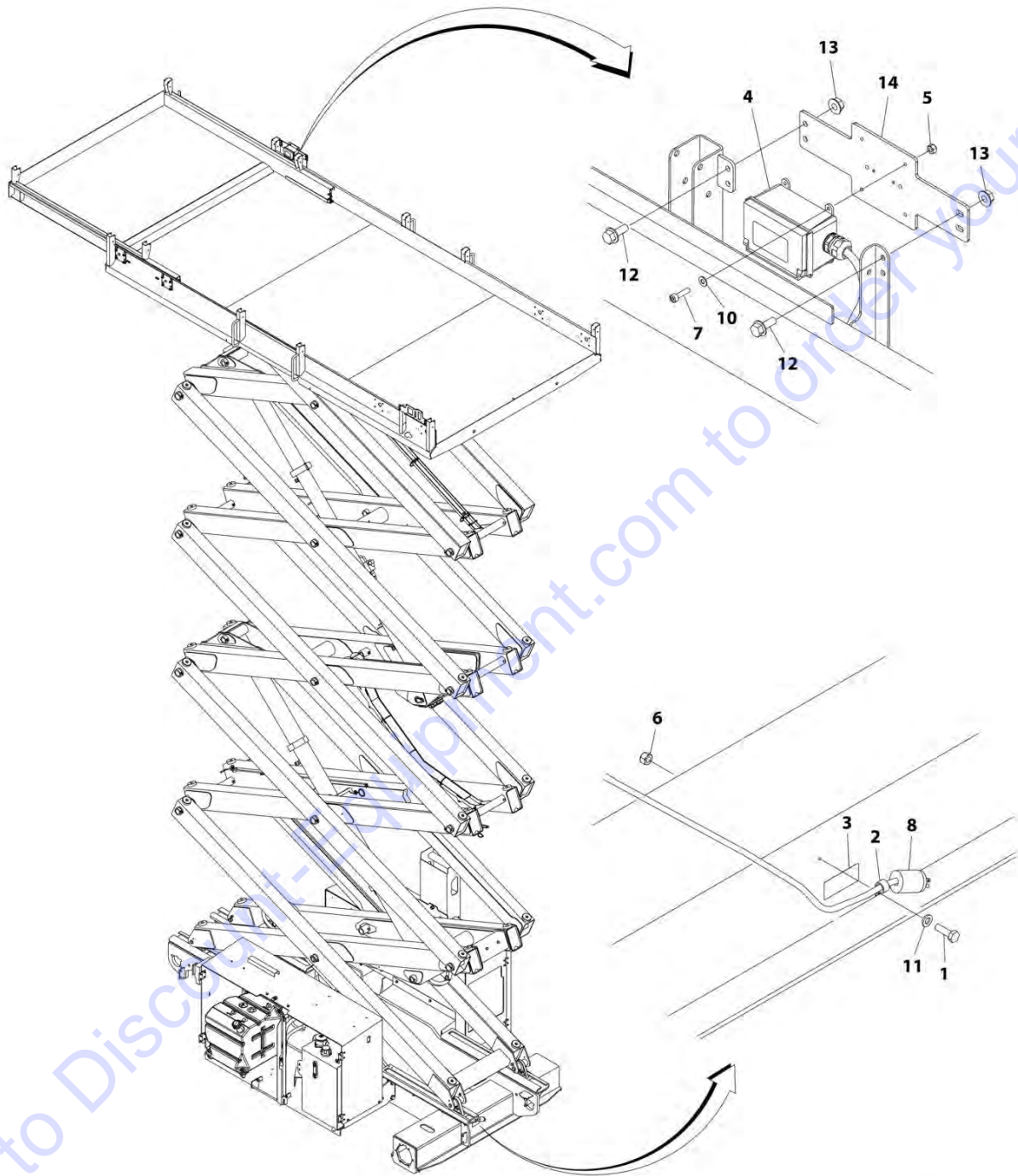
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FIGURE 8-1. ELECTRICAL DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: For information, refer to Service Manual or contact Discount-equipment.	
		Ref	ELECTRICAL DIAGRAM LIST	
	1001236134	Ref	Electrical Schematic (Not Shown - See Service Manual)	
	1001239852	Ref	Electrical Schematic - LSS Supplement (Not Shown - See Service Manual)	
	1001181217	Ref	4000W Generator Electrical Diagram - Kubota Diesel Stage III	
	1001177770	Ref	4000W Generator Electrical Diagram - Kubota Diesel T4F	
	1001181216	Ref	4000W Generator Electrical Diagram - Kubota Gasoline	
	1001181140	Ref	7500W Generator Electrical Diagram - Kubota Diesel Stage III	
	1001177767	Ref	7500W Generator Electrical Diagram - Kubota Diesel T4F	
	1001181141	Ref	7500W Generator Electrical Diagram - Kubota Gasoline	

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FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI (ANSI AND ANSI EXPORT SPECS)



ART_1001207511

SECTION 8 - ELECTRICAL

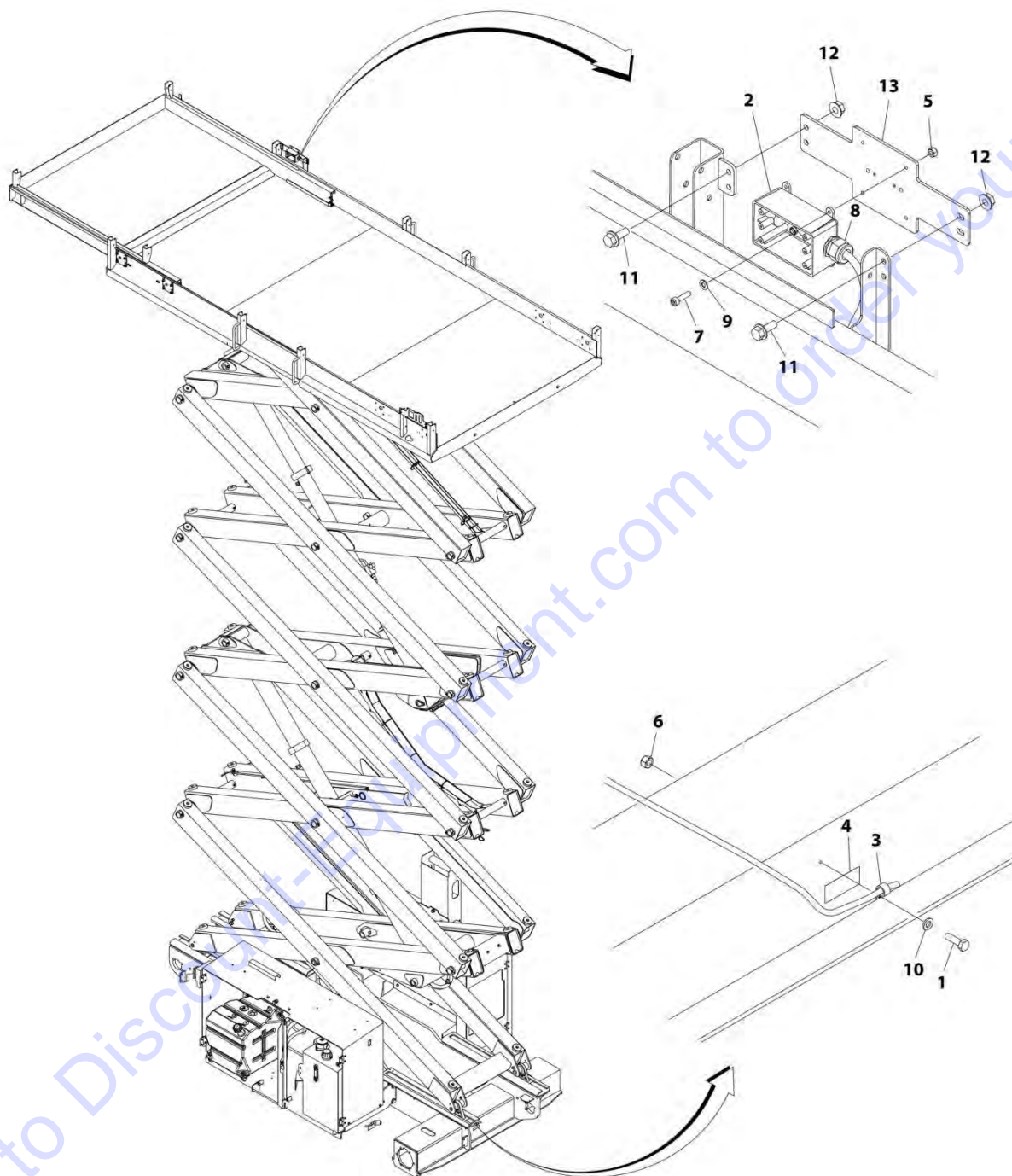
FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V GFI (ANSI AND ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207511	Ref	AC BOX AT PLATFORM INSTALLATION - 110V GFI (ANSI AND ANSI EXPORT SPECS)	A
1	0760610	1	Bolt M6 x 20	
2	1320224	1	Clamp	
3	1703464	1	Decal - AC Power	
4	2902431	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
5	3290405	4	Nut M4	
6	3290605	1	Nut M6	
7	4031507	4	Bolt M4 x 16	
8	4460138	1	Plug	
9	4460315	3	Terminal (Not Shown)	
10	4811400	4	Washer M4	
11	4811700	1	Washer M6	
12	0780608	4	Bolt M6 x 16	
13	5260600	4	Nut M6	
14	1001207520	1	Bracket	

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FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI AND ANSI EXPORT SPECS)



ART_1001207512

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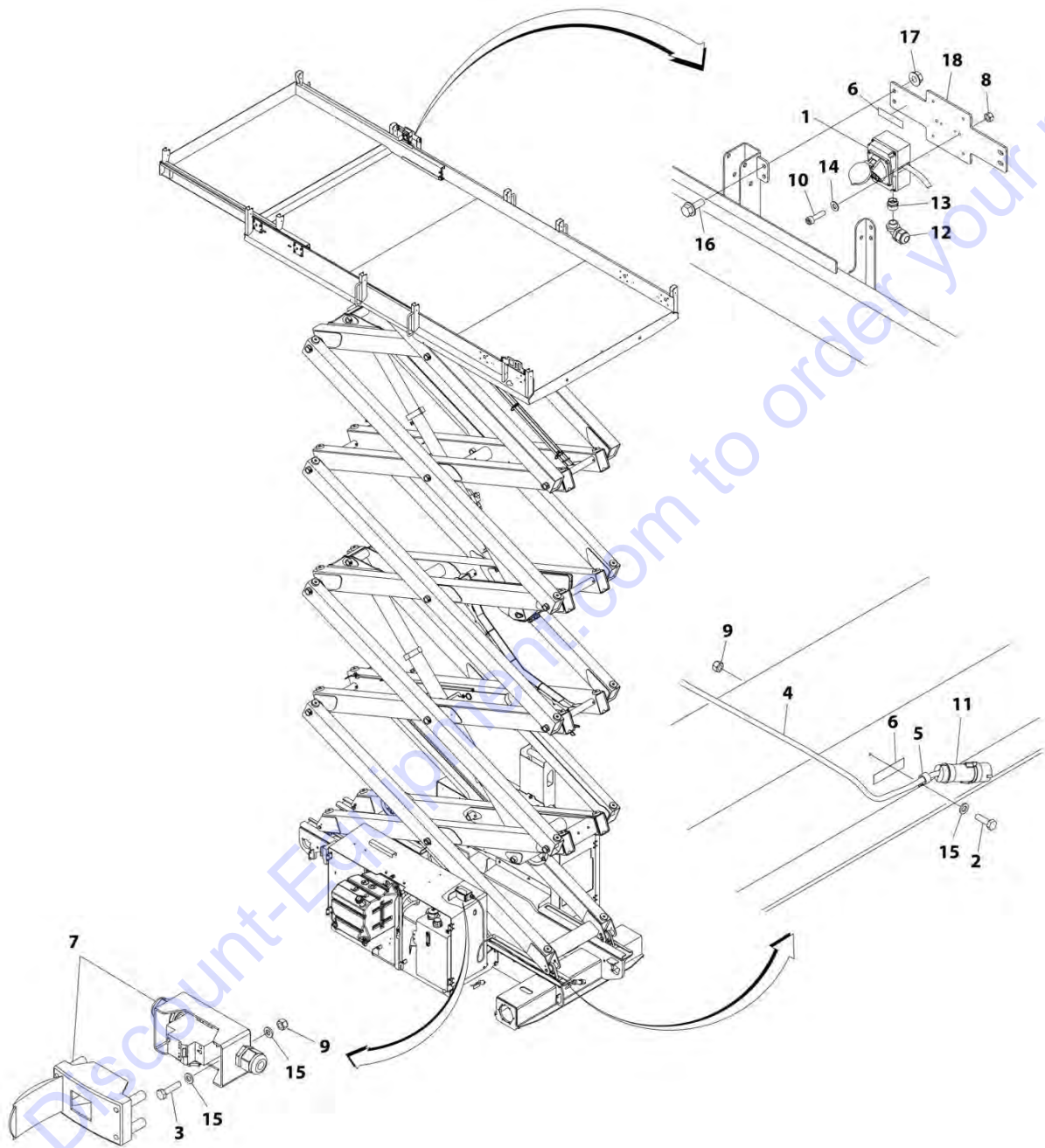
FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 220V (ANSI AND ANSI EXPORT SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207512	Ref	AC BOX AT PLATFORM INSTALLATION - 220V (ANSI AND ANSI EXPORT SPECS)	A
1	0760610	1	Bolt M6 x 20	
2	0861731	1	Box, Receptacle	
3	1320224	1	Clamp	
4	3252507	1	Decal - 220 Volt	
5	3290405	4	Nut M4	
6	3290605	1	Nut M6	
7	4031507	4	Bolt M4 x 16	
8	4460071	1	Connector, Strain Relief	
9	4811400	4	Washer M4	
10	4811700	1	Washer M6	
11	0780608	4	Bolt M6 x 16	
12	5260600	4	Nut M6	
13	1001207520	1	Bracket	

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FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC)



ART_1001207516

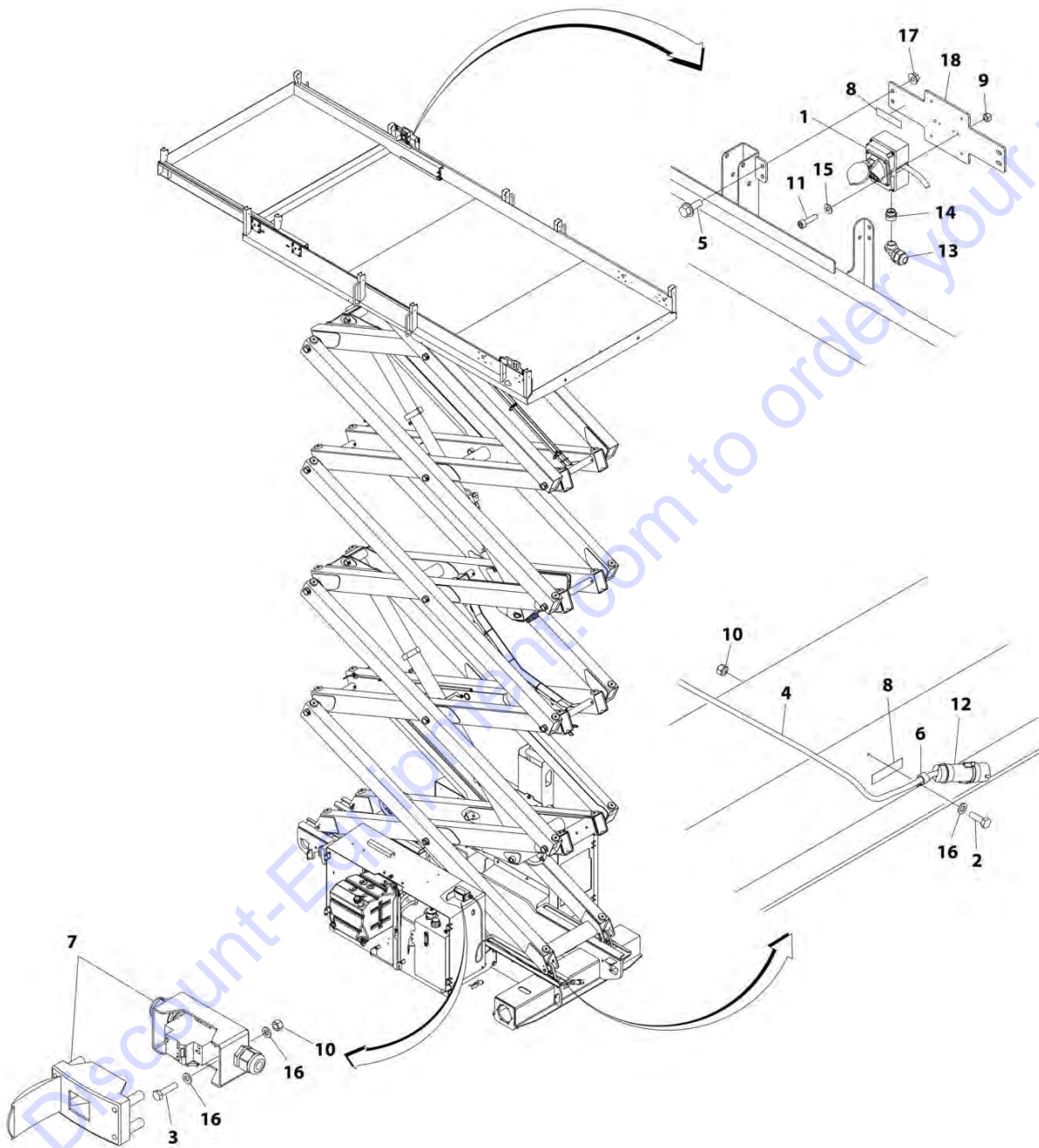
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FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207516	Ref	AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE SPEC)	B
1	0275216	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	1320224	1	Clamp	
6	1705325	2	Decal - 110 Volt	
7	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
7	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
8	3290405	2	Nut M4	
9	3290605	3	Nut M6	
10	4031507	2	Bolt M4 x 16	
11	4461196	1	Terminal (SN E200000676 through E200000798)	
12	4461257	1	Connector, Strain Relief	
13	4461258	1	Connector, Adapter	
14	4811400	2	Washer M4	
15	4811700	5	Washer M6	
16	0780608	4	Bolt M6 x 16	
17	5260600	4	Nut M6	
18	1001207520	1	Bracket	

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FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC)



ART_1001209298

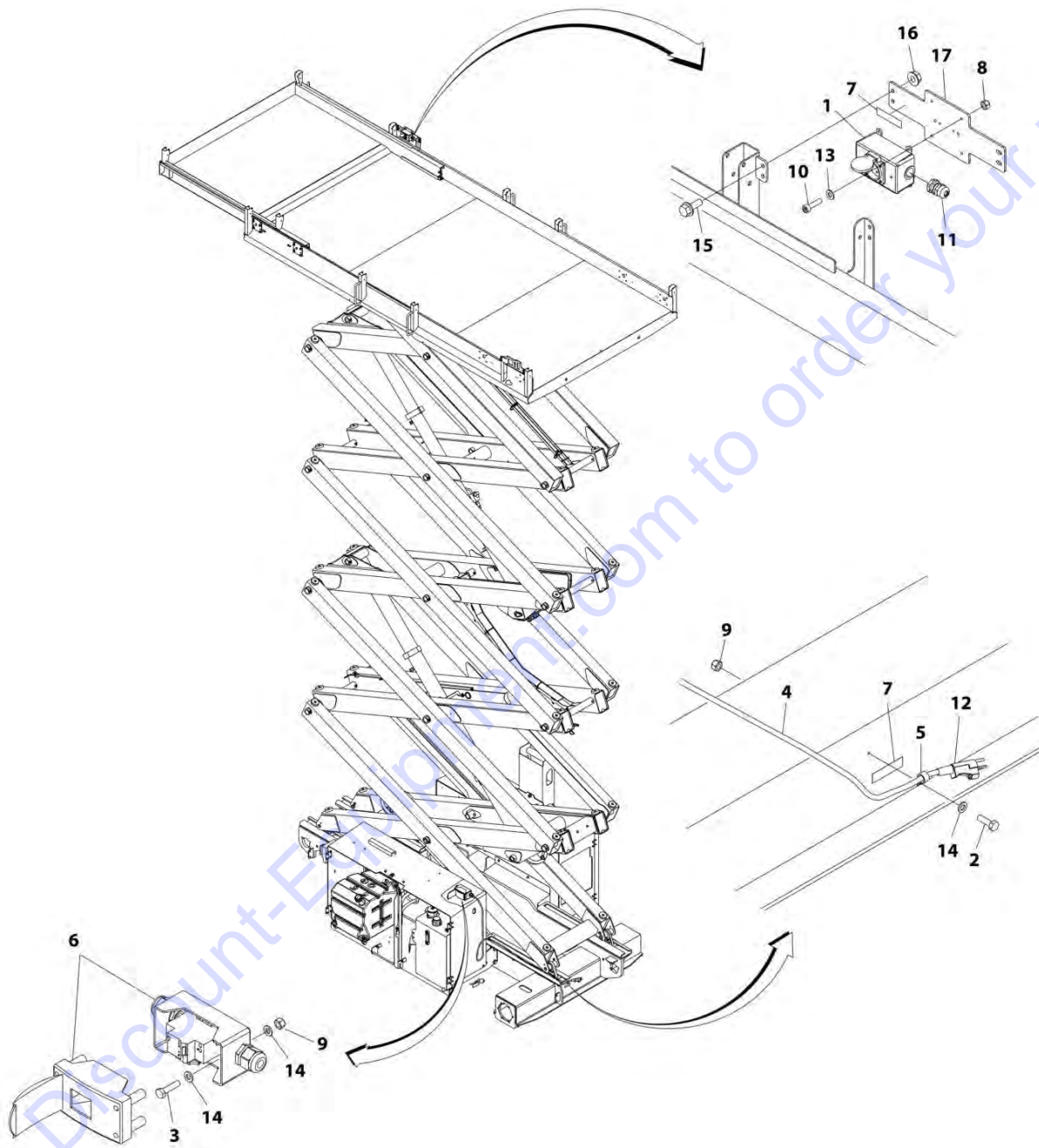
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FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001209298	Ref	AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE SPEC)	B
1	0275217	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	0780608	4	Bolt M6 x 16	
6	1320224	1	Clamp	
7	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
7	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
8	3252507	2	Decal - 220 Volt	
9	3290405	2	Nut M4	
10	3290605	3	Nut M6	
11	4031507	2	Bolt M4 x 16	
12	4461199	1	Terminal (SN E200000676 through E200000798)	
13	4461257	1	Connector, Strain Relief	
14	4461258	1	Connector, Adapter	
15	4811400	2	Washer M4	
16	4811700	5	Washer M6	
17	5260600	4	Nut M6	
18	1001207520	1	Bracket	

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FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC)



ART_1001207521

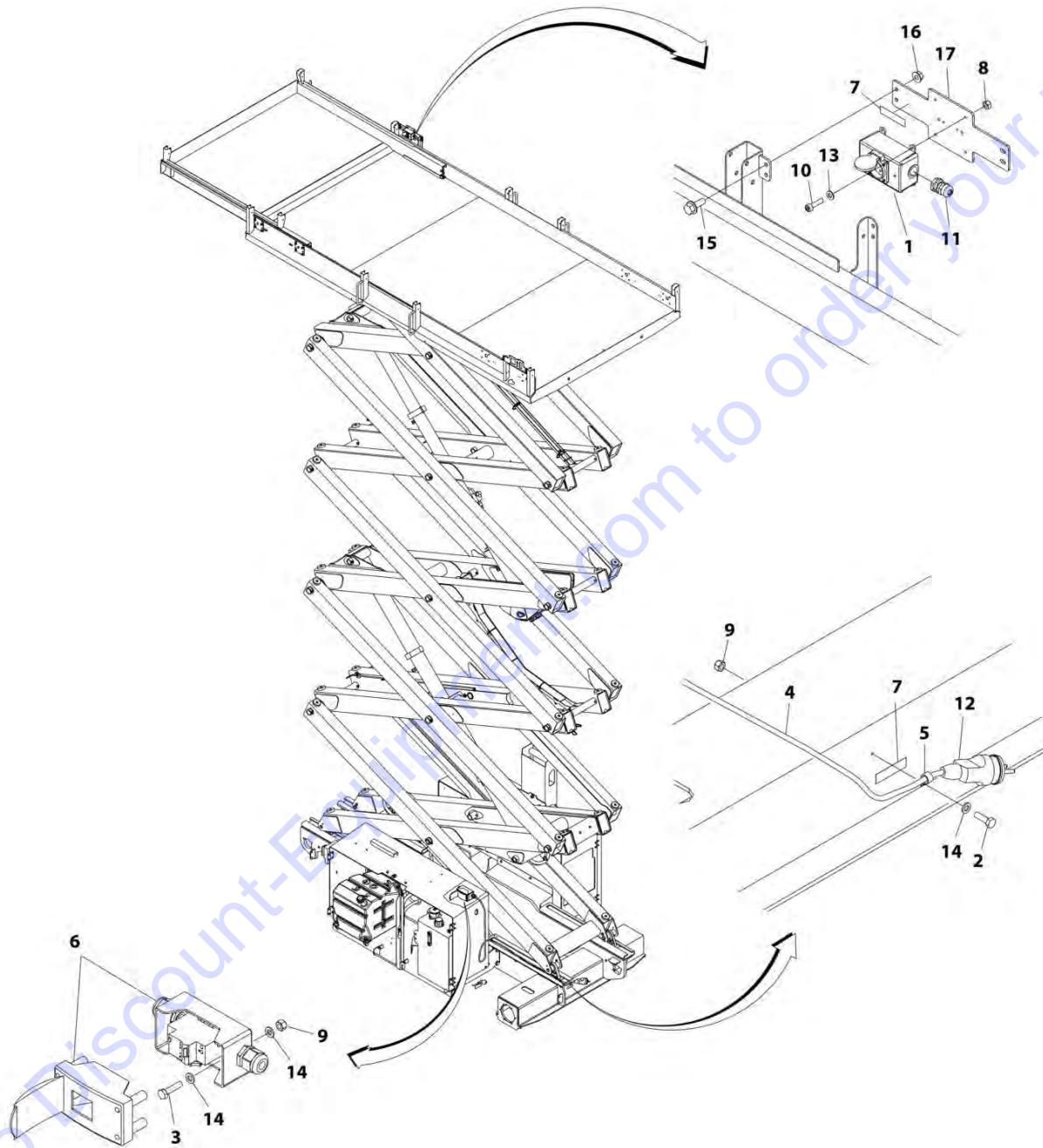
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FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207521	Ref	AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE SPEC)	B
1	0275454	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	1320224	1	Clamp	
6	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
6	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
7	3252507	2	Decal - 220 Volt	
8	3290405	4	Nut M4	
9	3290605	3	Nut M6	
10	4031507	4	Bolt M4 x 16	
11	4460968	1	Connector, Strain Relief	
12	4461249	1	Terminal (SN E200000676 through E200000798)	
13	4811400	4	Washer M4	
14	4811700	5	Washer M6	
15	0780608	4	Bolt M6 x 16	
16	5260600	4	Nut M6	
17	1001207520	1	Bracket	

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FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 2X4 BOX (CE SPEC)



ART_1001207514

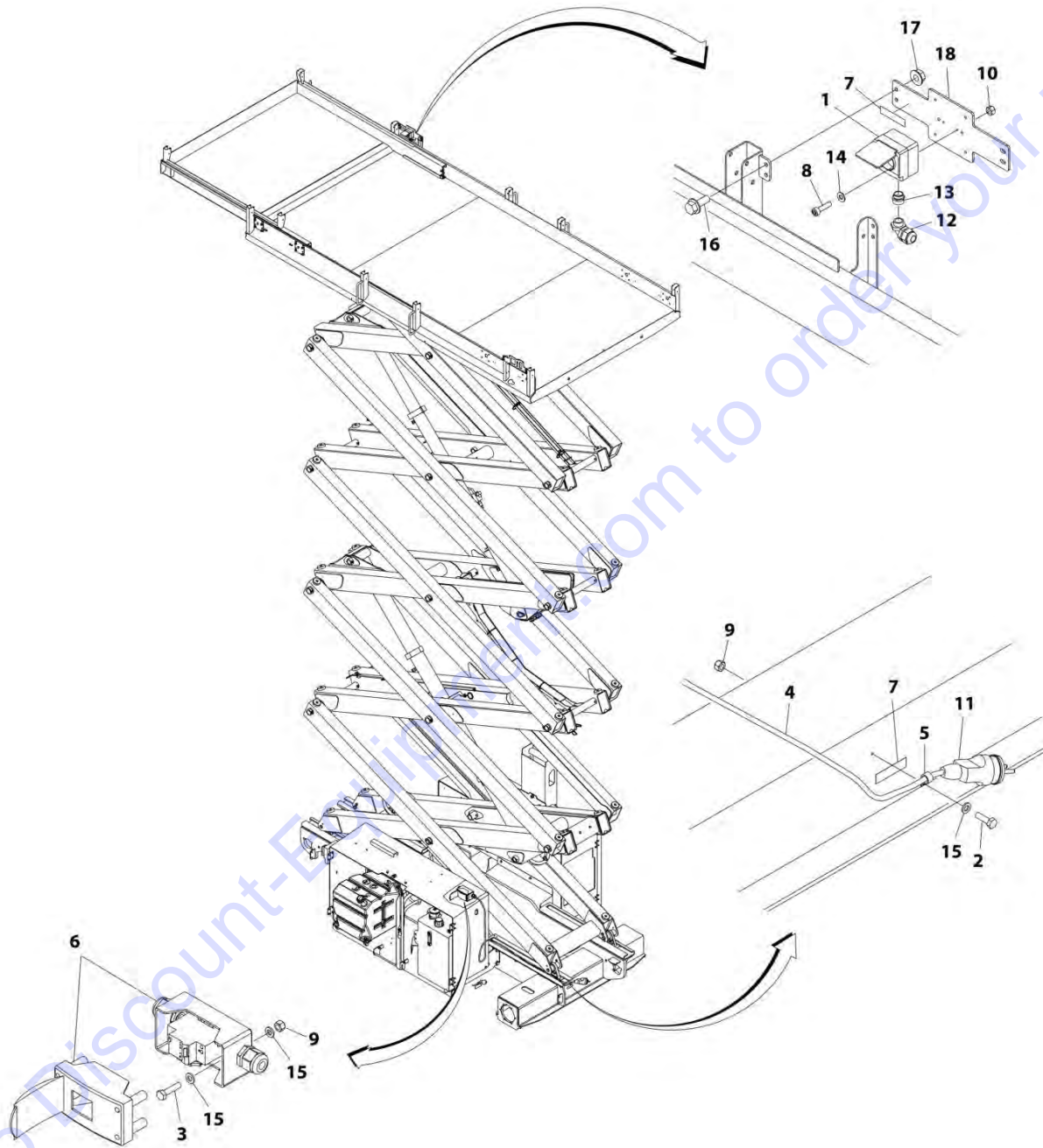
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FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 2X4 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207514	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 2X4 BOX (CE SPEC)	C
1	0275452	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	1320224	1	Clamp	
6	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
6	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
7	3252507	2	Decal - 220 Volt	
8	3290405	4	Nut M4	
9	3290605	3	Nut M6	
10	4031507	4	Bolt M4 x 16	
11	4460968	1	Connector, Strain Relief	
12	4461205	1	Terminal (SN E200000676 through E200000798)	
13	4811400	4	Washer M4	
14	4811700	5	Washer M6	
15	0780608	4	Bolt M6 x 16	
16	5260600	4	Nut M6	
17	1001207520	1	Bracket	

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FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 70X70 BOX (CE SPEC)



ART_1001207518

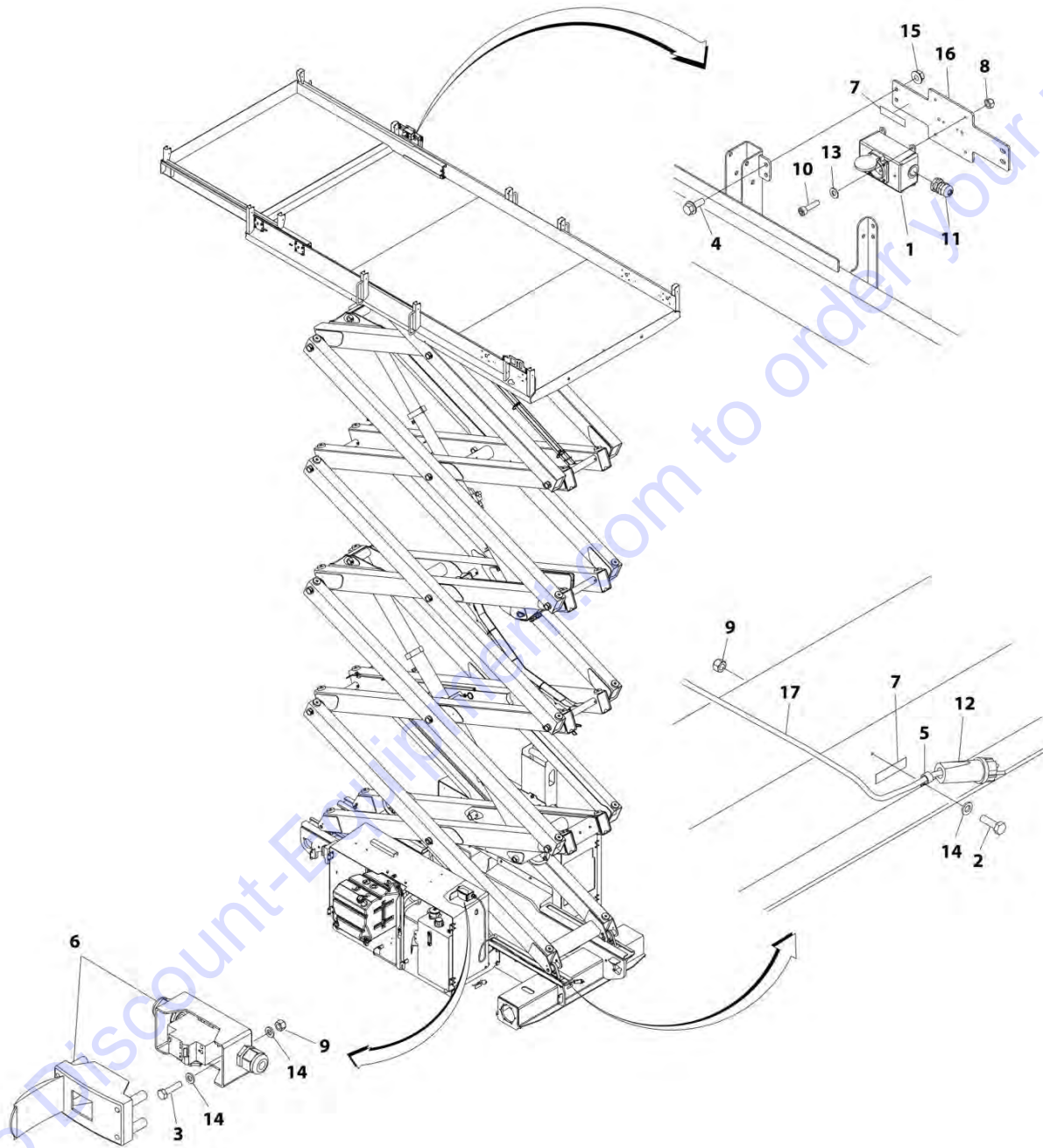
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FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 70X70 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207518	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND WITH 70X70 BOX (CE SPEC)	C
1	0275218	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	1320224	1	Clamp	
6	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
6	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
7	3252507	2	Decal - 220 Volt	
8	3290405	2	Nut M4	
9	3290605	3	Nut M6	
10	4031507	2	Bolt M4 x 16	
11	4461205	1	Terminal (SN E200000676 through E200000798)	
12	4461257	1	Connector, Strain Relief	
13	4461258	1	Connector, Adapter	
14	4811400	2	Washer M4	
15	4811700	5	Washer M6	
16	0780608	4	Bolt M6 x 16	
17	5260600	4	Nut M6	
18	1001207520	1	Bracket	

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FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 2X4 BOX (CE SPEC)



ART_1001207515

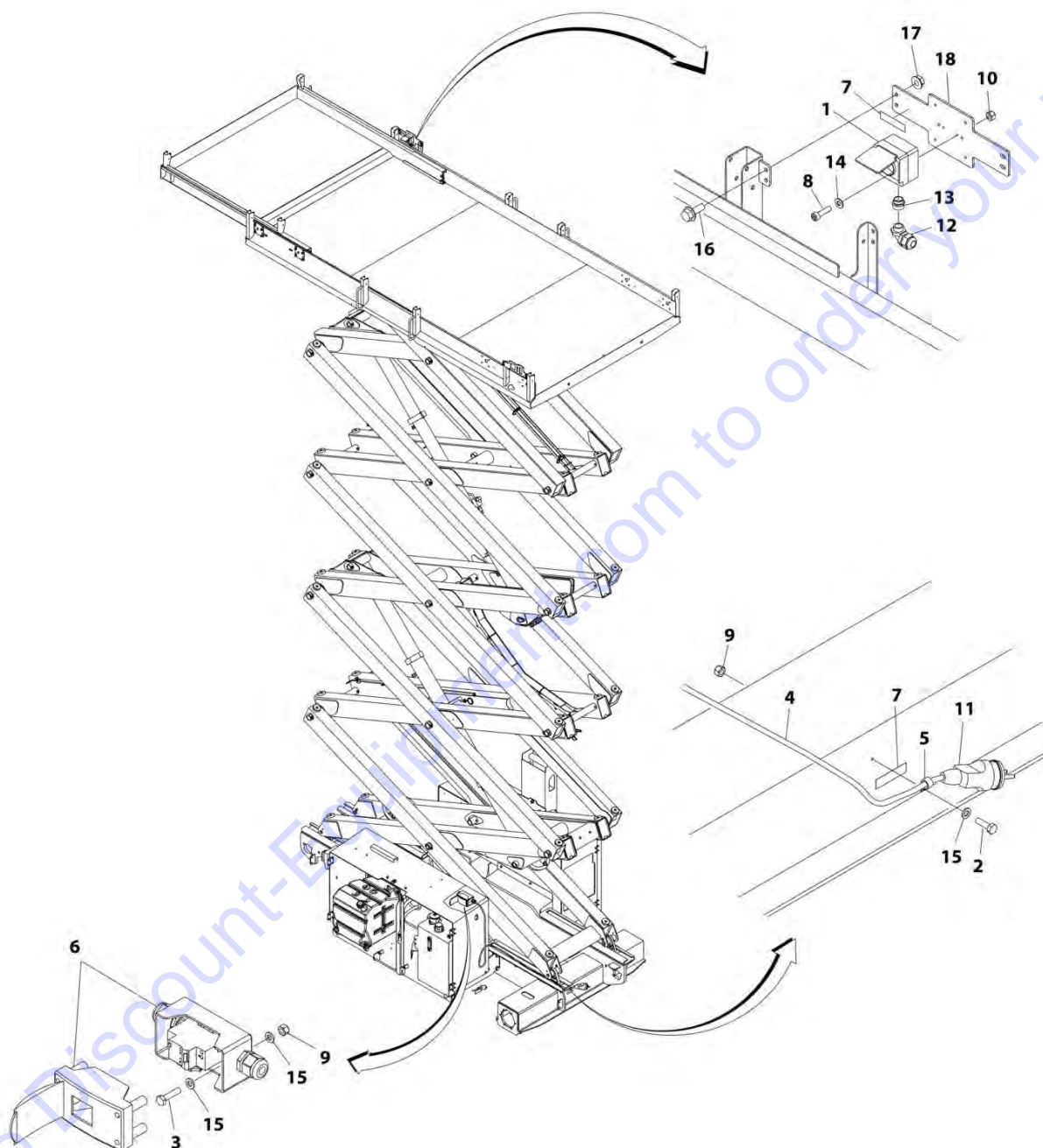
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FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 2X4 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207515	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 2X4 BOX (CE SPEC)	B
1	0275453	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	0780608	4	Bolt M6 x 16	
5	1320224	1	Clamp	
6	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
6	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
7	3252507	2	Decal - 220 Volt	
8	3290405	4	Nut M4	
9	3290605	3	Nut M6	
10	4031507	4	Bolt M4 x 16	
11	4460968	1	Connector, Strain Relief	
12	4461205	1	Terminal (SN E200000676 through E200000798)	
13	4811400	4	Washer M4	
14	4811700	5	Washer M6	
15	5260600	4	Nut M6	
16	1001207520	1	Bracket	
17	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	

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FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 70X70 BOX (CE SPEC)



ART_1001207519

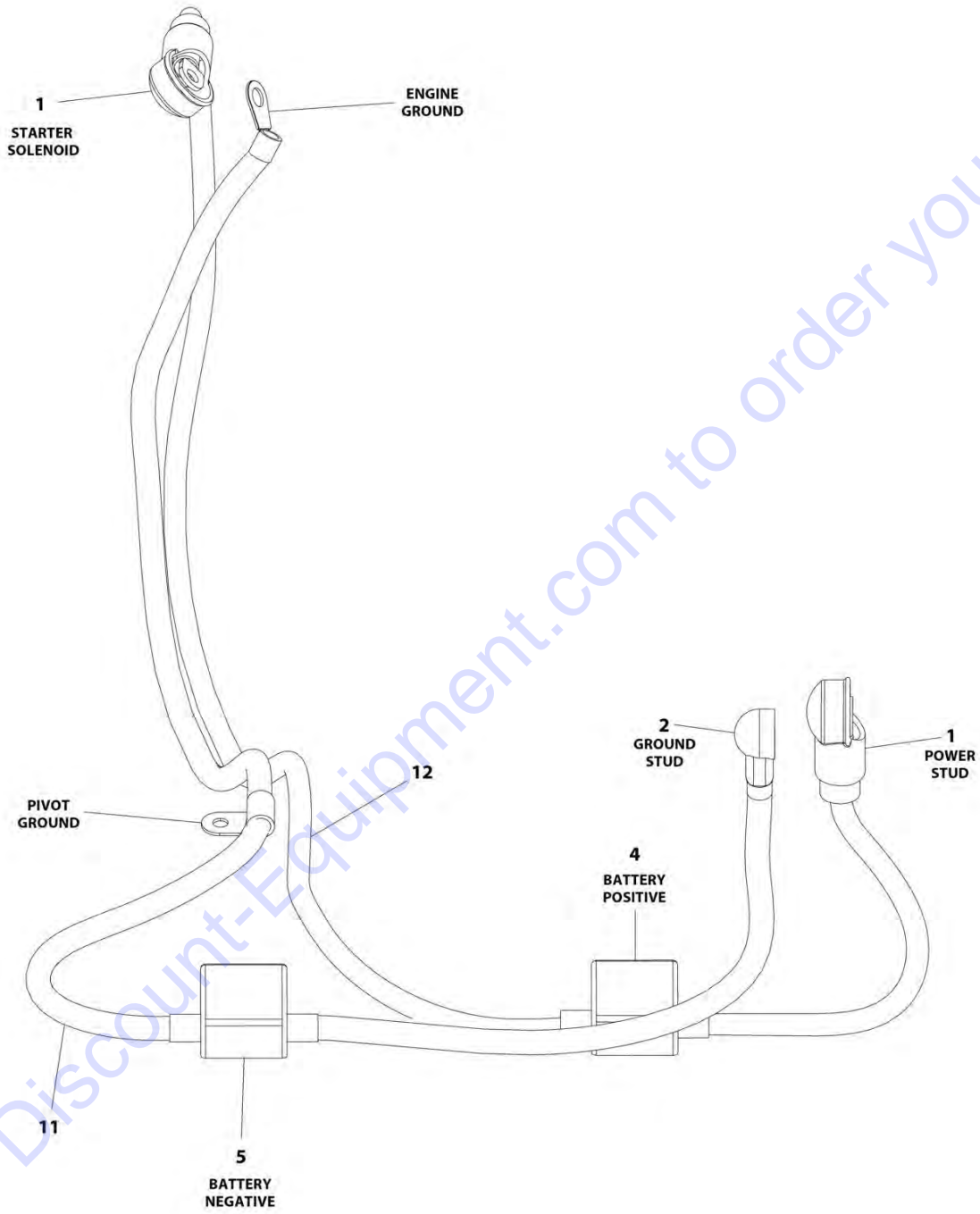
SECTION 8 - ELECTRICAL

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 70X70 BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001207519	Ref	AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND WITH 70X70 BOX (CE SPEC)	B
1	0275219	1	Receptacle Box Kit (See Separate Breakdown in this Section)	
2	0760610	1	Bolt M6 x 20	
3	0760612	2	Bolt M6 x 25	
4	1060908	9.2 ft/ 2.8m	Cable, 12/3 (SN E200000676 through E200000798)	
5	1320224	1	Clamp	
6	2902549	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000676 through E200000798)	
6	1001096070	1	Breaker Box Kit (See Separate Breakdown in this Section) (SN E200000799 to Present)	
7	3252507	2	Decal - 220 Volt	
8	3290405	2	Nut M4	
9	3290605	3	Nut M6	
10	4031507	2	Bolt M4 x 16	
11	4461205	1	Terminal (SN E200000676 through E200000798)	
12	4461257	1	Connector, Strain Relief	
13	4461258	1	Connector, Adapter	
14	4811400	2	Washer M4	
15	4811700	5	Washer M6	
16	0780608	4	Bolt M6 x 16	
17	5260600	4	Nut M6	
18	1001207520	1	Bracket	

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FIGURE 8-11. BATTERY CABLE KIT - DIESEL ENGINES



ART_1001186428

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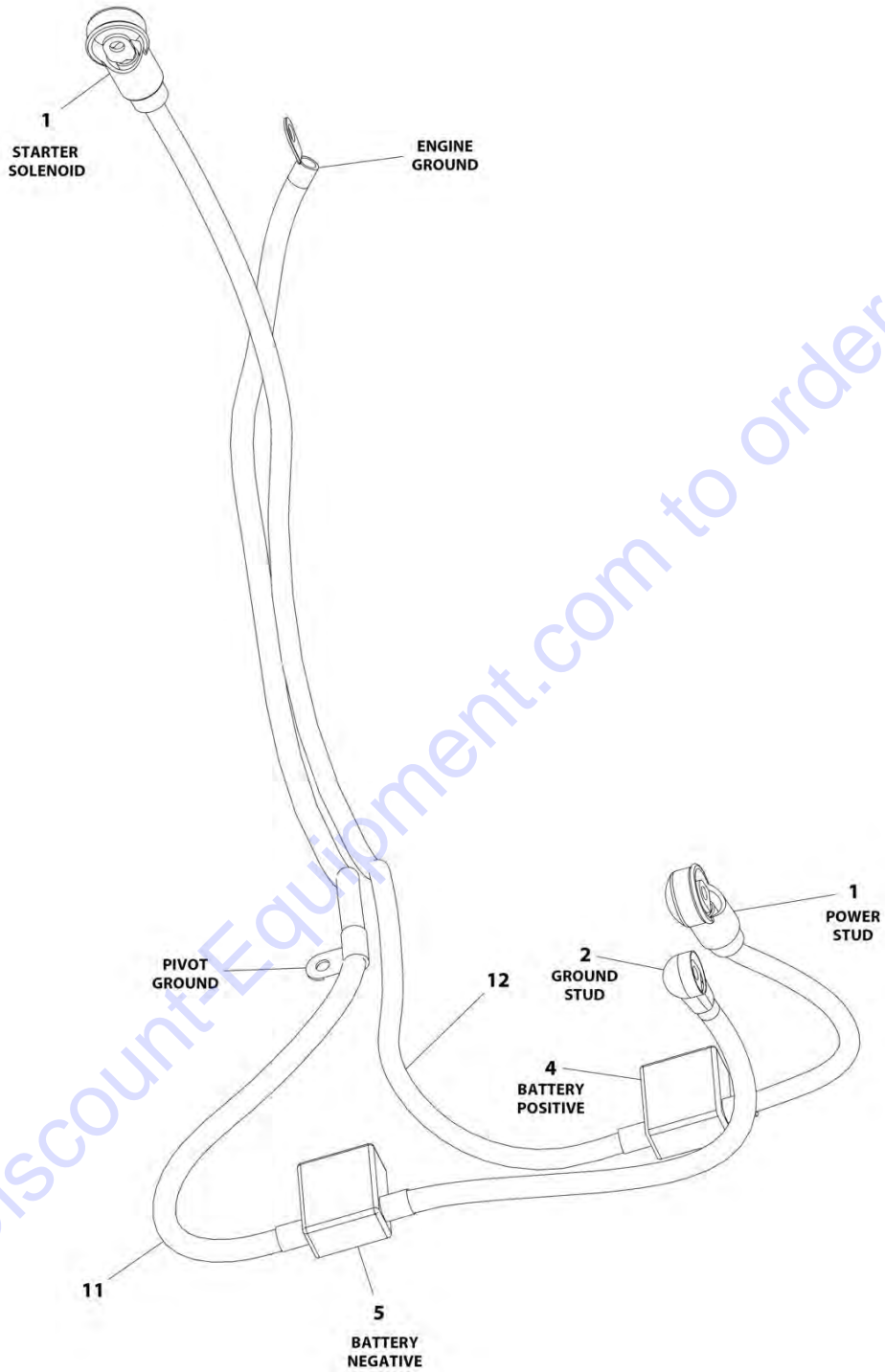
FIGURE 8-11. BATTERY CABLE KIT - DIESEL ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186428	Ref	BATTERY CABLE KIT - DIESEL ENGINES	D
1	0840052	2	Boot	
2	1001098765	1	Boot	
4	1001186483	1	Boot	
5	1001186484	1	Boot	
11	70009008	1	Cable, Negative	
12	70009009	1	Cable, Positive	

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FIGURE 8-12. BATTERY CABLE KIT - GASOLINE ENGINES



ART_1001186429

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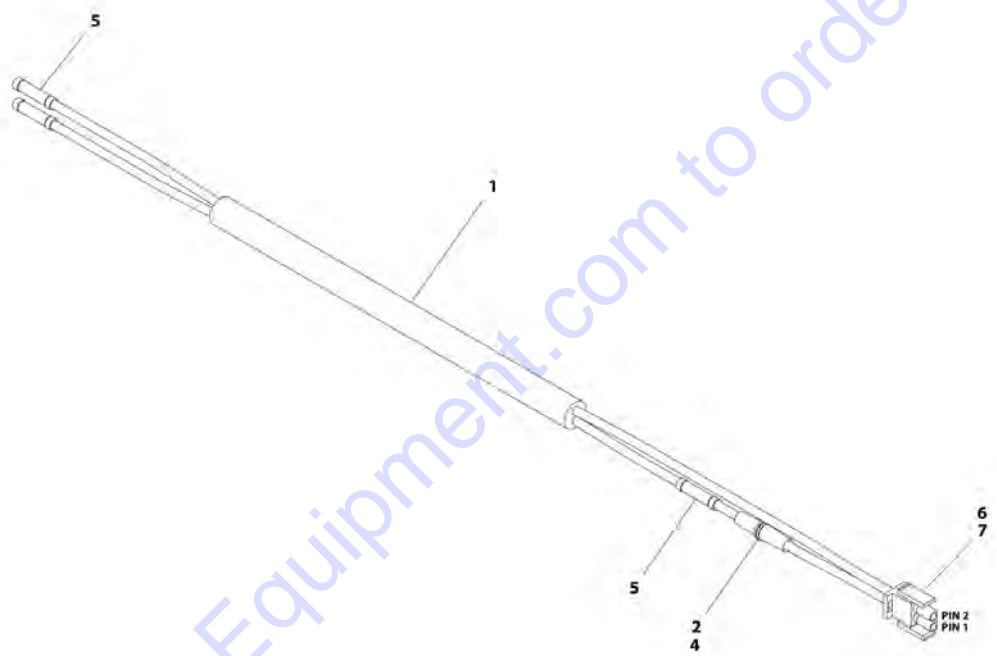
FIGURE 8-12. BATTERY CABLE KIT - GASOLINE ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186429	Ref	BATTERY CABLE KIT - GASOLINE ENGINES	B
1	0840052	2	Boot	
2	1001098765	1	Boot	
4	1001186483	1	Boot	
5	1001186484	1	Boot	
11	70009010	1	Cable, Negative	
12	70009011	1	Cable, Positive	

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FIGURE 8-13. BEACON HARNESS ASSEMBLY (OPTIONAL)



ART_4922739

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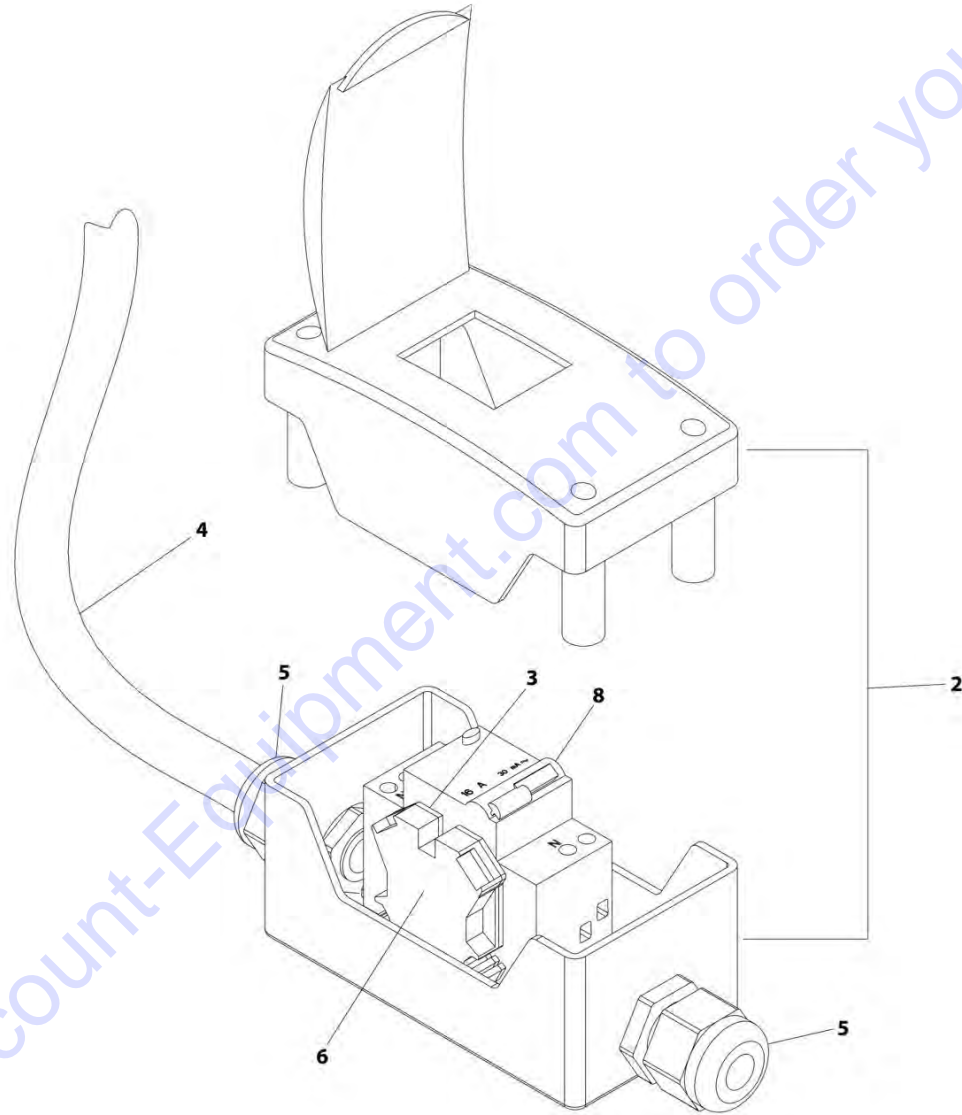
FIGURE 8-13. BEACON HARNESS ASSEMBLY (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922739	Ref	BEACON LIGHT HARNESS ASSEMBLY (OPTIONAL)	A
1	1060680	5 ft/ 1.5m	Cable, Electrical - 18/2	
2	2400056	1	Fuse - 5 Amp	
4	4460044	1	Fuseholder	
5	4460248	3	Terminal, Butt	
6	4460267	2	Pin, Male	
7	4460320	1	Connector - 2 Position	

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FIGURE 8-14. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (SN E20000676 through E20000798)



ART_2902549

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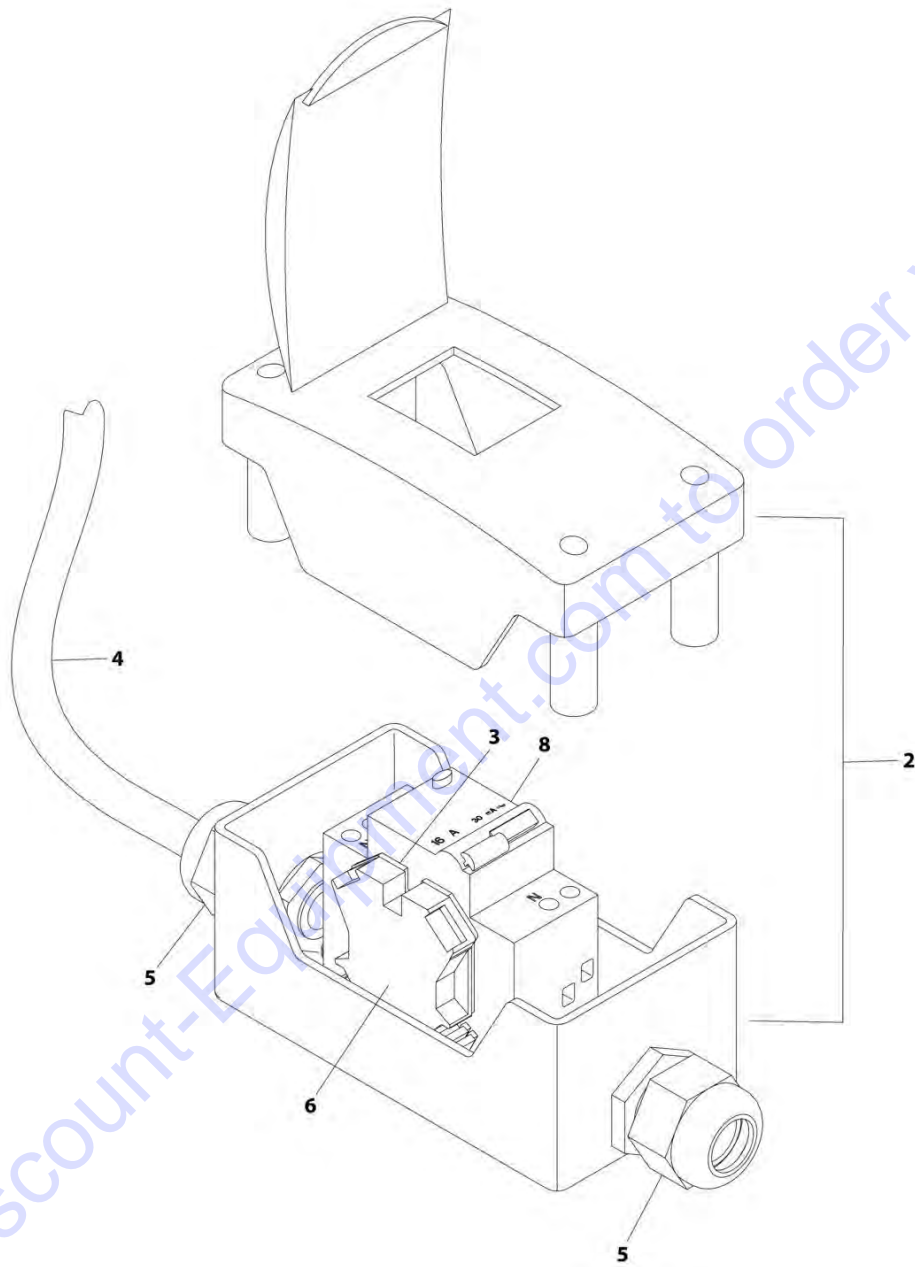
FIGURE 8-14. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (SN E20000676 through E20000798)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT - 110/220V 16AMP BREAKER	F
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal	
4	1060908	6 ft/1.8m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, 16Amp	

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FIGURE 8-15. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (SN E200000799 to Present)



ART_1001096070

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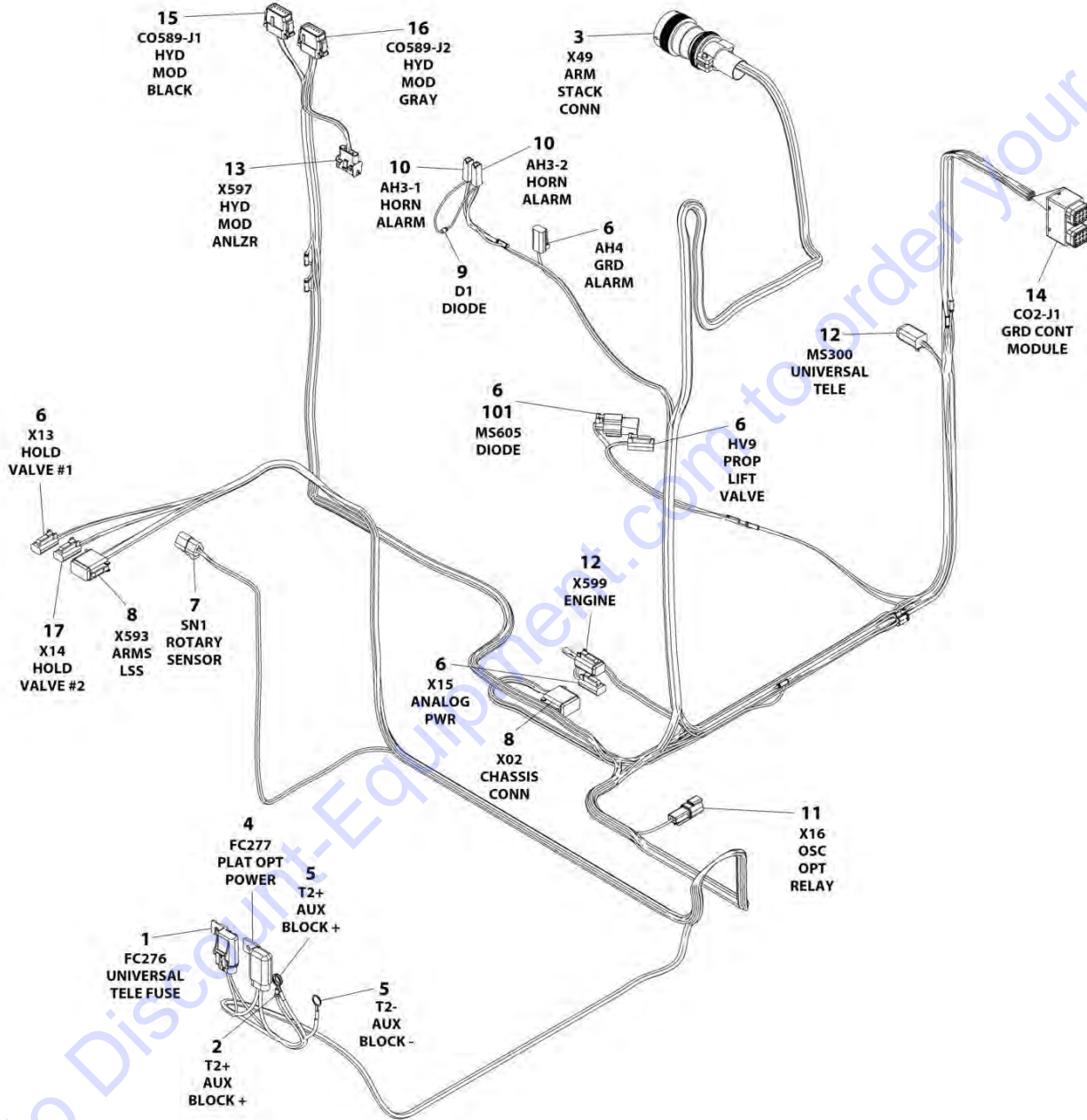
FIGURE 8-15. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (SN E20000799 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001096070	Ref	BREAKER BOX KIT	E
2	0861880	1	Box	
3	4460956	1	Barrier, Terminal Block End	
4	1060908	12 ft/ 3.6m	Cable, 12/3	
5	1001097150	2	Connector, Strain Relief	
6	4460957	1	Block, Terminal	
8	1001181045	1	Breaker, 16Amp	

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FIGURE 8-16. CHASSIS HARNESS



ART_1001236270

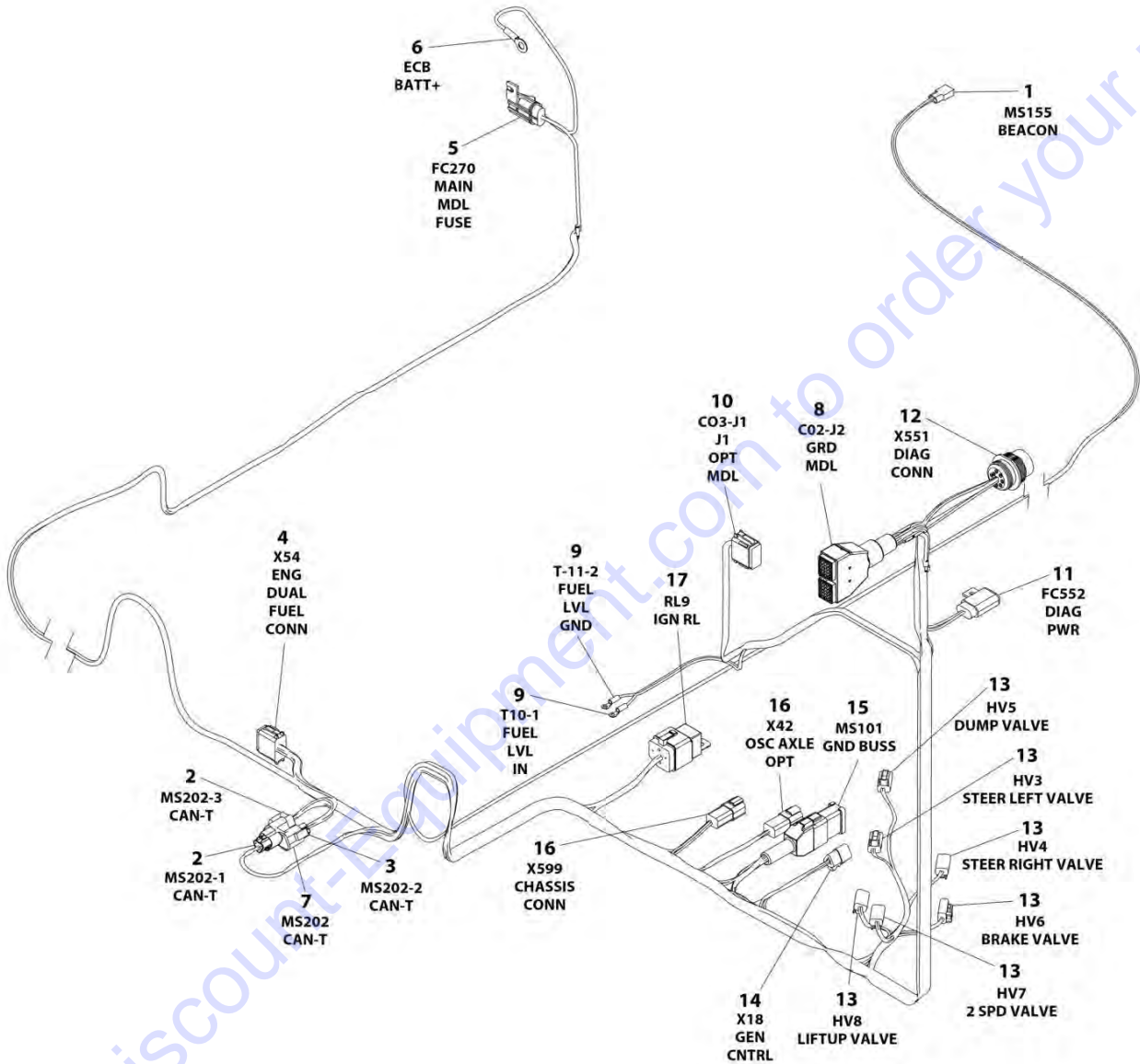
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FIGURE 8-16. CHASSIS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236270	Ref	CHASSIS HARNESS	C
1	1001117078	1	Fuseholder with 5 Amp Fuse	
1	See Note	NSS	Fuse - 5 Amp (Note: Purchase Locally)	
1	1001116733	2	Terminal	
2	4460670	1	Terminal, Ring	
3	1001116926	1	Connector - 24 Position	
3	4460465	4	Socket, Female	
3	4460509	4	Socket, Female	
3	4460944	3	Socket, Female	
3	4460466	10	Plug, Terminal	
4	1001117023	1	Fuseholder with 10 Amp Fuse	
4	See Note	NSS	Fuse - 10 Amp (Note: Purchase Locally)	
4	1001116752	2	Terminal	
5	4460019	2	Terminal, Ring	
6	4460891	5	Plug, Male - 2 Position	
6	4460465	10	Socket, Female	
7	4460539	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4460930	2	Connector - 8 Position	
8	4460465	13	Socket, Female	
8	4460466	3	Plug, Terminal	
9	3990010	1	Diode	
10	4460260	2	Cover, Terminal	
10	4460259	4	Terminal	
11	4460897	1	Receptacle, Female - 2 Position	
11	4460464	1	Pin, Male	
11	4460466	1	Plug, Terminal	
12	4460884	2	Plug, Male - 4 Position	
12	4460465	8	Socket, Female	
12	1001192401	1	Cover, Dust	
13	4460761	1	Receptacle, Female - 4 Position	
13	4460267	1	Pin, Male	
14	4460812	1	Connector - 24 Position	
14	4460465	14	Socket, Female	
14	4460942	2	Socket, Female	
14	4460944	3	Socket, Female	
14	4460466	5	Plug, Terminal	
14	0840056	1	Boot	
15	1001116808	1	Connector - 12 Position	
15	4460928	6	Terminal	
15	4460518	6	Plug, Terminal	
16	1001116774	1	Connector - 12 Position	
16	4460928	9	Terminal	
16	4460518	3	Plug, Terminal	
17	4460891	1	Plug, Male - 2 Position (SN E200000676 through E200000722)	
17	4460465	2	Socket, Female	
17	4460897	1	Plug, Male - 2 Position (SN E200000723 to Present)	
17	4460464	2	Socket, Female	
101	1001116816	1	Connector, Diode	

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FIGURE 8-17. DUAL FUEL HARNESS



ART_1001236380

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FIGURE 8-17. DUAL FUEL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236380	Ref	DUAL FUEL HARNESS	A
1	4460424	1	Plug, Male - 2 Position	
1	4460268	2	Socket, Female	
2	1001116812	2	Plug, Male - 3 Position	
2	4460944	6	Socket, Female	
3	4460539	1	Plug, Male - 3 Position	
3	4460944	3	Socket, Female	
4	4460933	1	Connector - 12 Position	
4	4460465	8	Socket, Female	
4	4460944	3	Socket, Female	
4	4460942	1	Socket, Female	
5	1001117069	1	Fuseholder with 20 Amp Fuse	
5	See Note	1	Fuse - 20 Amp (Note: Purchase Locally)	
5	1001116752	2	Terminal	
6	8220045	1	Terminal, Ring	
7	4460945	1	Receptacle - 3 Way	
8	4460814	1	Connector - 40 Position	
8	4460466	15	Plug, Terminal	
8	4460944	3	Socket, Female	
8	4460465	22	Socket, Female	
8	0840057	1	Boot	
9	8220007	2	Terminal, Ring	
10	4460933	1	Plug, Male - 12 Position	
10	4460465	2	Socket, Female	
10	4460944	3	Socket, Female	
10	4460466	7	Plug, Terminal	
10	1001174455	1	Boot	
11	1001117023	1	Fuseholder with 10 Amp Fuse	
11	See Note	1	Fuse - 10 Amp (Note: Purchase Locally)	
11	1001116733	2	Terminal	
12	1001112612	1	Connector - 9 Position	
12	4460464	3	Pin, Male	
12	4460943	3	Pin, Male	
12	4460466	3	Plug, Terminal	
13	4460891	6	Plug, Male	
13	4460465	12	Socket, Female	
14	4460539	1	Plug, Male - 3 Position	
14	4460465	3	Socket, Female	
14	4460536	1	Receptacle, Female - 3 Position	
14	4460466	3	Plug, Terminal	
15	4460836	1	Plug, Male - 12 Position	
15	4460465	10	Socket, Female	
15	4460466	2	Plug, Terminal	
15	4460837	1	Receptacle, Female - 12 Position	
16	4460932	2	Receptacle, Female - 4 Position	
16	4460464	7	Socket, Female	
16	4460466	1	Plug, Terminal	
16	4460884	1	Plug, Male - 4 Position	
16	4460466	4	Plug, Terminal	
17	1001117025	1	Relay and Receptacle	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	3740080	1	Relay	
17	1001116732	2	Terminal	
17	1001116734	2	Terminal	

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FIGURE 8-18. ENGINE HARNESS - KUBOTA DIESEL

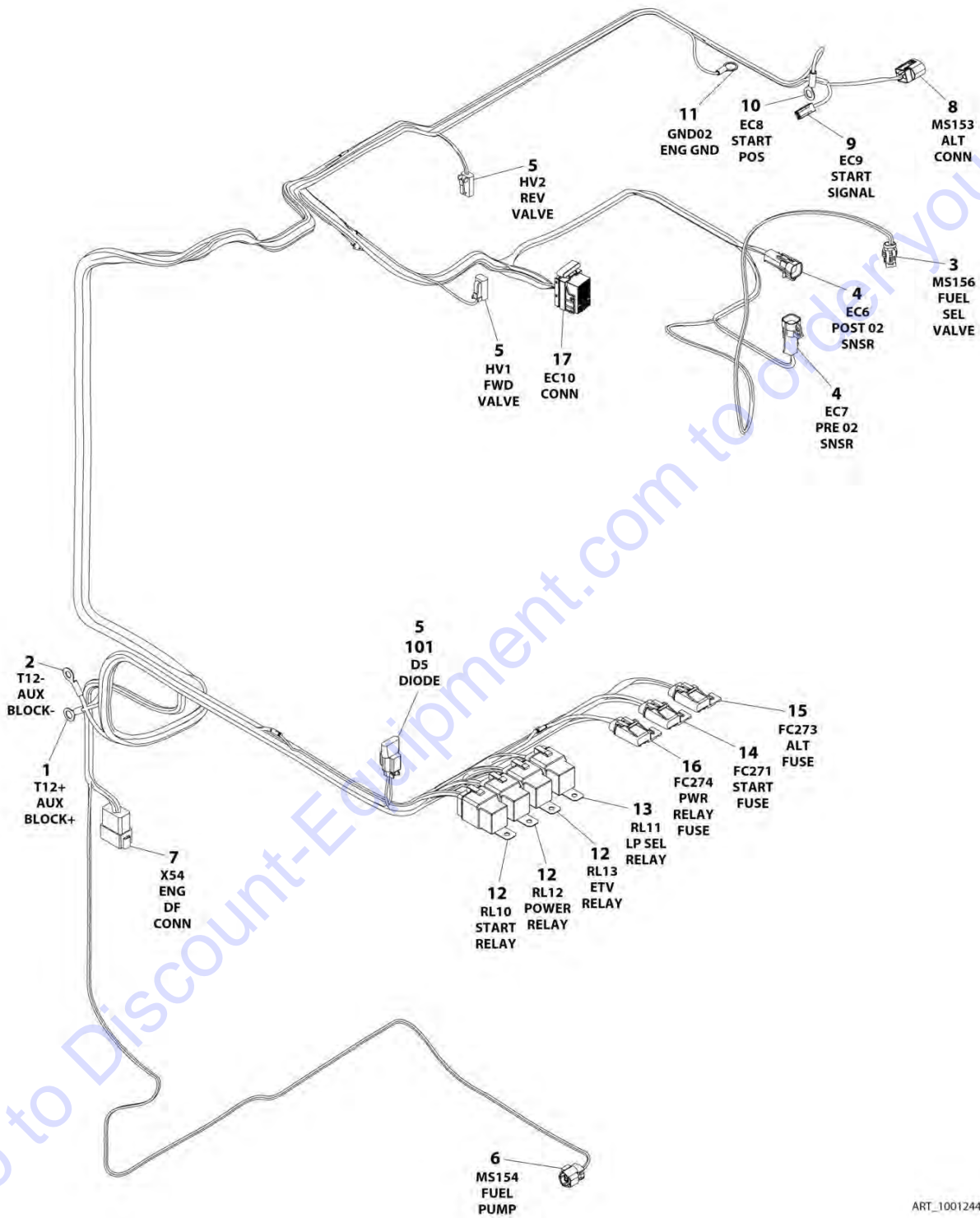
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244348	Ref	ENGINE HARNESS - KUBOTA DIESEL	B
1	4460424	1	Plug, Male - 2 Position	
1	4460268	2	Socket, Female	
2	4460814	1	Connector - 40 Position	
2	4460465	28	Socket, Female	
2	4460942	1	Socket, Female	
2	4460944	3	Socket, Female	
2	4460466	8	Plug, Terminal	
3	1001112612	1	Connector - 9 Position	
3	4460464	3	Pin, Male	
3	4460943	3	Pin, Male	
3	4460466	3	Plug, Terminal	
4	1001117078	1	Fuseholder with 5 Amp Fuse	
4	See Note	1	Fuse - 5 Amp (Note: Purchase Locally)	
4	1001116733	2	Terminal	
5	1001118744	1	Connector - 2 Position	
5	1001118745	2	Terminal	
6	4460247	2	Terminal, Ring	
7	4460933	1	Plug, Male - 12 Position	
7	4460465	2	Socket, Female	
7	4460944	3	Socket, Female	
7	4460466	7	Plug Terminal	
8	4460891	11	Plug, Male - 2 Position	
8	4460465	22	Socket, Female	
9	4460539	1	Plug, Male - 3 Position	
9	4460465	3	Socket, Female	
10	4460836	1	Plug, Male - 12 Position	
10	4460465	12	Socket, Female	
11	4460932	2	Receptacle, Female - 4 Position	
11	4460464	7	Pin, Male	
11	4460466	1	Plug, Terminal	
12	4460897	1	Receptacle, Female - 2 Position	
12	4460464	2	Pin, Male	
13	1001117069	1	Fuseholder with 20 Amp Fuse and Mounting Bracket	
13	See Note	1	Fuse - 20 Amp (Note: Purchase Locally)	
13	1001116733	2	Terminal	
14	1001117077	1	Fuseholder with 4 Amp Fuse and Mounting Bracket	
14	See Note	1	Fuse - 4 Amp (Note: Purchase Locally)	
14	1001116733	1	Terminal	
14	1001116752	1	Terminal	
15	1001118938	2	Fuseholder with 40 Amp Fuse and Mounting Bracket	
15	See Note	2	Fuse - 40 Amp (Note: Purchase Locally)	
15	1001116752	4	Terminal	
16	1001117070	1	Fuseholder with 30 Amp Fuse and Mounting Bracket	
16	See Note	1	Fuse - 30 Amp (Note: Purchase Locally)	
16	1001116752	2	Terminal	
17	1001118282	6	Relay with Connector	
17	3740080	6	Relay	
17	1001116734	11	Terminal	
17	1001116732	12	Terminal	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	1001116733	1	Terminal	
17	1001128128	1	Plug, Terminal	
19	4460019	2	Terminal, Ring	
20	4460142	1	Terminal, Ring	
21	4460042	2	Terminal, Ring	
22	1001223432	1	Connector - 2 Position	
22	1001223795	2	Terminal	
22	1001223796	2	Seal, Terminal	
23	1001117055	1	Plug, Male - 3 Position	
23	4460746	2	Terminal	
24	1001117069	1	Fuseholder with 10 Amp Fuse and Mounting Bracket	
24	See Note	1	Fuse - 10 Amp (Note: Purchase Locally)	
24	1001116752	2	Terminal	
25	8220029	1	Terminal	
26	8220111	1	Terminal, Ring	
27	1001125748	1	Connector - 3 Position	
27	1001125773	2	Terminal	
27	1001129773	1	Terminal	
27	1001129772	2	Seal, Terminal	
28	1001118657	1	Connector - 2 Position	
28	1001118658	2	Terminal	
29	1001118743	1	Housing, Terminal	
29	1001230488	1	Terminal	
30	8220164	1	Terminal, Ring	
101	0840057	1	Boot	
102	4460466	7	Plug, Terminal	
103	4460536	1	Receptacle, Female - 3 Position	
104	4460837	1	Connector, Bussbar	
105	4460884	1	Plug, Male	
106	1001106736	1	Dust Cap	
107	1001116816	3	Receptacle, Female - 2 Position with Diode (at D1, D2 & D3)	
108	1001195684	1	Receptacle, Female - 2 Position with Resistor (at R1)	
109	1001174455	1	Boot	

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FIGURE 8-19. ENGINE HARNESS - KUBOTA GASOLINE



ART_1001244349

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FIGURE 8-19. ENGINE HARNESS - KUBOTA GASOLINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244349	Ref	ENGINE HARNESS - KUBOTA GASOLINE	B
1	8220164	1	Terminal, Ring	
2	8220045	1	Terminal, Ring	
3	4461118	1	Plug, Male - 2 Position	
3	1001107854	2	Terminal	
3	1001116763	2	Seal	
4	1001184722	2	Receptacle, Female - 4 Position	
4	1001116749	8	Terminal	
4	4460608	8	Seal	
5	4460891	3	Plug, Male - 2 Position	
5	4460465	6	Socket, Female	
6	1001184832	1	Connector - 2 Position	
6	1001118658	2	Terminal	
6	1001205250	2	Seal	
7	4460970	1	Connector - 12 Position	
7	4460464	8	Pin, Male	
7	4460943	3	Pin, Male	
7	4460941	1	Pin, Male	
8	1001125748	1	Connector - 3 Position	
8	1001125773	3	Terminal	
8	1001129772	2	Seal	
9	1001184768	1	Housing, Terminal	
9	1001184769	1	Terminal	
10	1001117110	1	Terminal, Ring	
11	8220111	1	Terminal, Ring	
12	1001117025	3	Relay with Connector	
12	3740080	3	Relay	
12	1001116734	4	Terminal	
12	1001116732	6	Terminal	
12	1001116733	2	Terminal	
13	1001118282	1	Relay with Connector	
13	3740080	1	Relay	
13	1001116733	2	Terminal	
13	1001116732	2	Terminal	
13	1001128128	1	Plug, Terminal	
14	1001118938	1	Fuseholder with 40 Amp Fuse and Mounting Bracket	
14	See Note	1	Fuse - 40 Amp (Note: Purchase Locally)	
14	1001116752	2	Terminal	
15	1001117078	1	Fuseholder with 5 Amp Fuse and Mounting Bracket	
15	See Note	1	Fuse - 5 Amp (Note: Purchase Locally)	
15	1001116732	AR	Terminal	
16	1001117070	1	Fuseholder with 30 Amp Fuse and Mounting Bracket	
16	See Note	1	Fuse - 30 Amp (Note: Purchase Locally)	
16	1001116752	2	Terminal	
17	1001184705	1	Connector - 42 Position	
17	1001187455	4	Terminal	
17	1001184718	4	Terminal	
17	1001166702	1	Terminal	
17	1001184716	10	Terminal	
17	1001184717	2	Terminal	

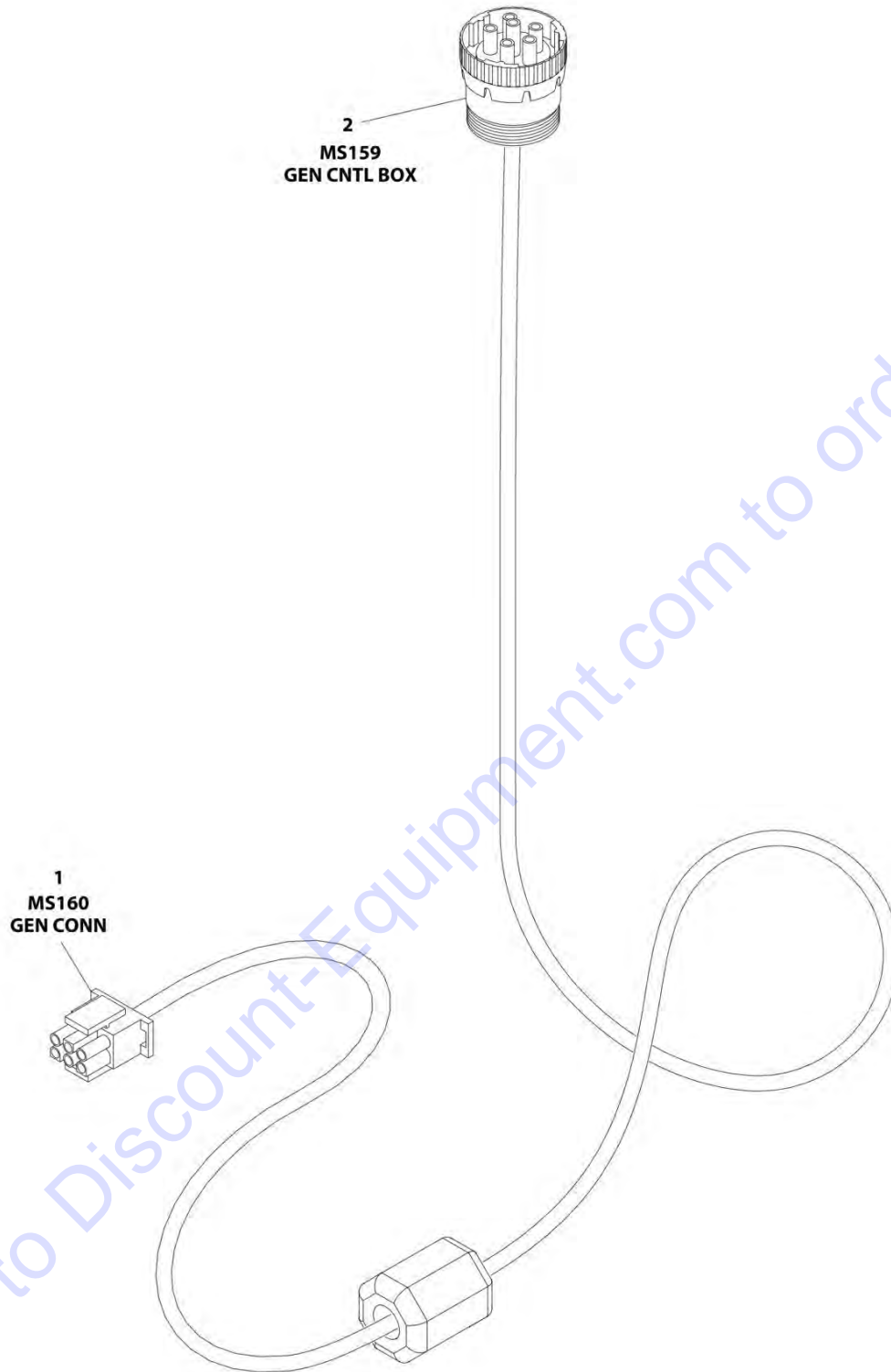
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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	4461054	4	Seal	
17	1001167690	5	Seal	
17	1001126393	12	Seal	
101	1001118616	1	Receptacle, Female with Diode	

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FIGURE 8-20. GENERATOR CONTROL HARNESS - 4000W GENERATOR (GENERATOR TO CONTROL BOX)



ART_1001236444

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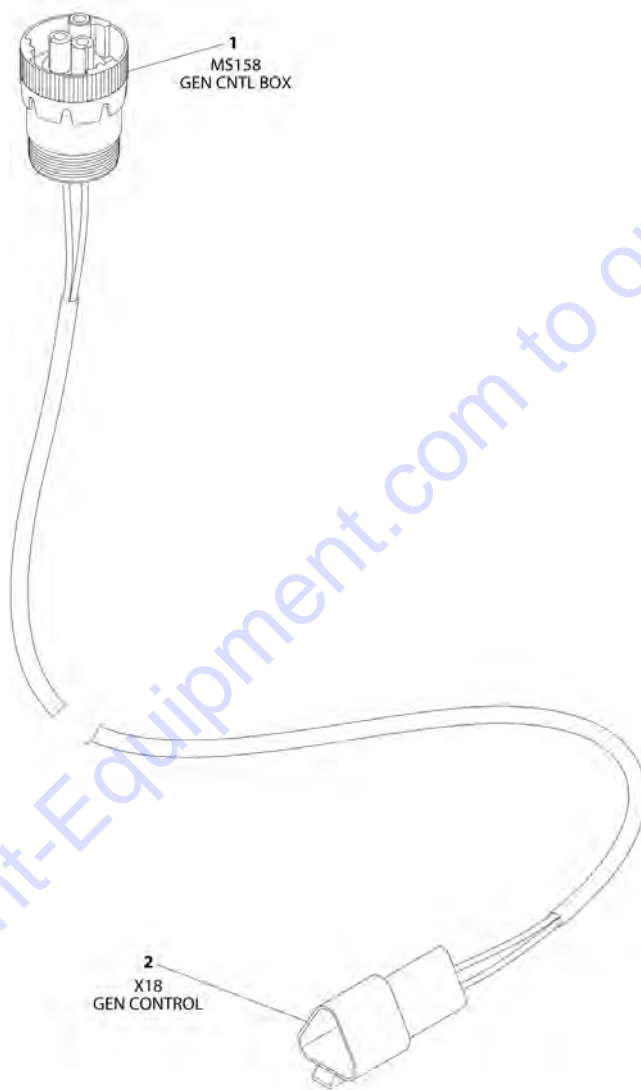
FIGURE 8-20. GENERATOR CONTROL HARNESS - 4000W GENERATOR (GENERATOR TO CONTROL BOX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236444	Ref	GENERATOR CONTROL HARNESS - 4000W GENERATOR (GENERATOR TO CONTROL BOX)	A
1	4460225	1	Plug, Male - 6 Position	
1	4460268	2	Socket, Female	
1	4460808	1	Seal, Connector	
1	4460807	1	Seal, Terminal	
2	77363233	1	Connector - 6 Position	
2	4460465	2	Socket, Female	
2	4460466	4	Plug, Terminal	

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FIGURE 8-21. GENERATOR CONTROL HARNESS - 4000W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)



ART_1001186826

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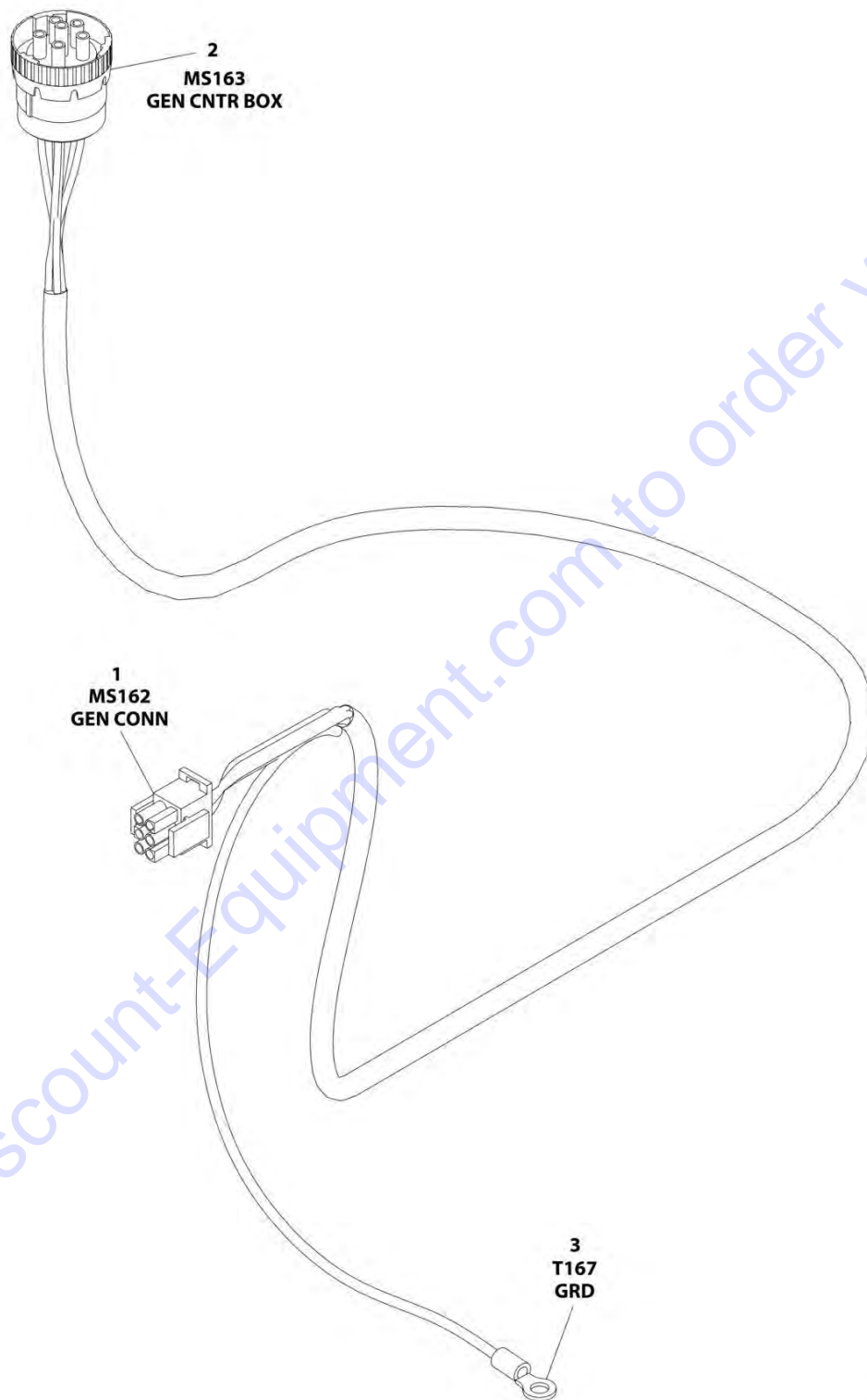
FIGURE 8-21. GENERATOR CONTROL HARNESS - 4000W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186826	Ref	GENERATOR CONTROL HARNESS - 4000W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)	C
1	4460967	1	Connector - 3 Position	
1	4460465	2	Socket, Female	
1	4460466	1	Plug, Terminal	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	

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FIGURE 8-22. GENERATOR CONTROL HARNESS - 7500W GENERATOR (GENERATOR TO CONTROL BOX)



ART_1001236442

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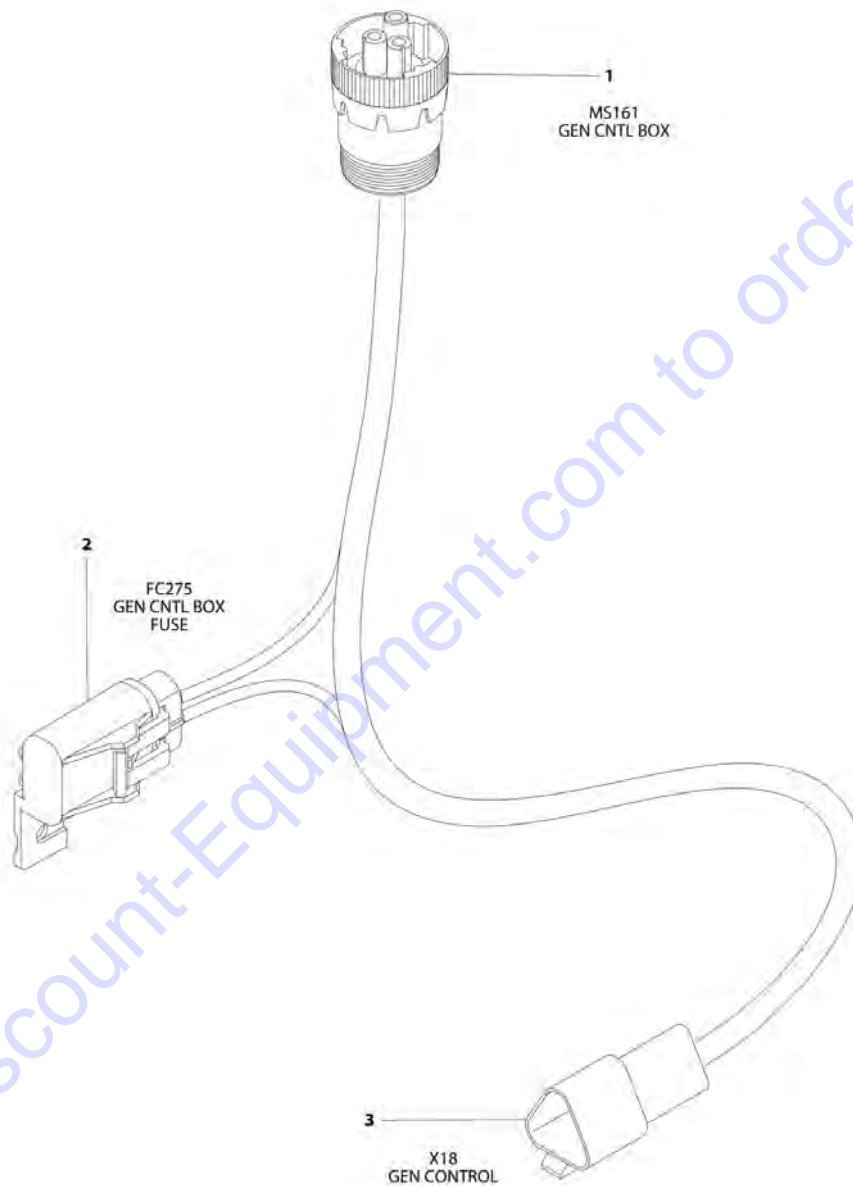
FIGURE 8-22. GENERATOR CONTROL HARNESS - 7500W GENERATOR (GENERATOR TO CONTROL BOX)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236442	Ref	GENERATOR CONTROL HARNESS - 7500W GENERATOR (GENERATOR TO CONTROL BOX)	A
1	4460225	1	Plug, Male - 6 Position	
1	4460268	6	Socket, Female	
1	4460807	1	Seal, Terminal	
2	77363233	1	Connector - 6 Position	
2	4460465	6	Socket, Female	
3	4460043	1	Terminal, Ring	

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FIGURE 8-23. GENERATOR CONTROL HARNESS - 7500W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)



ART_100186822

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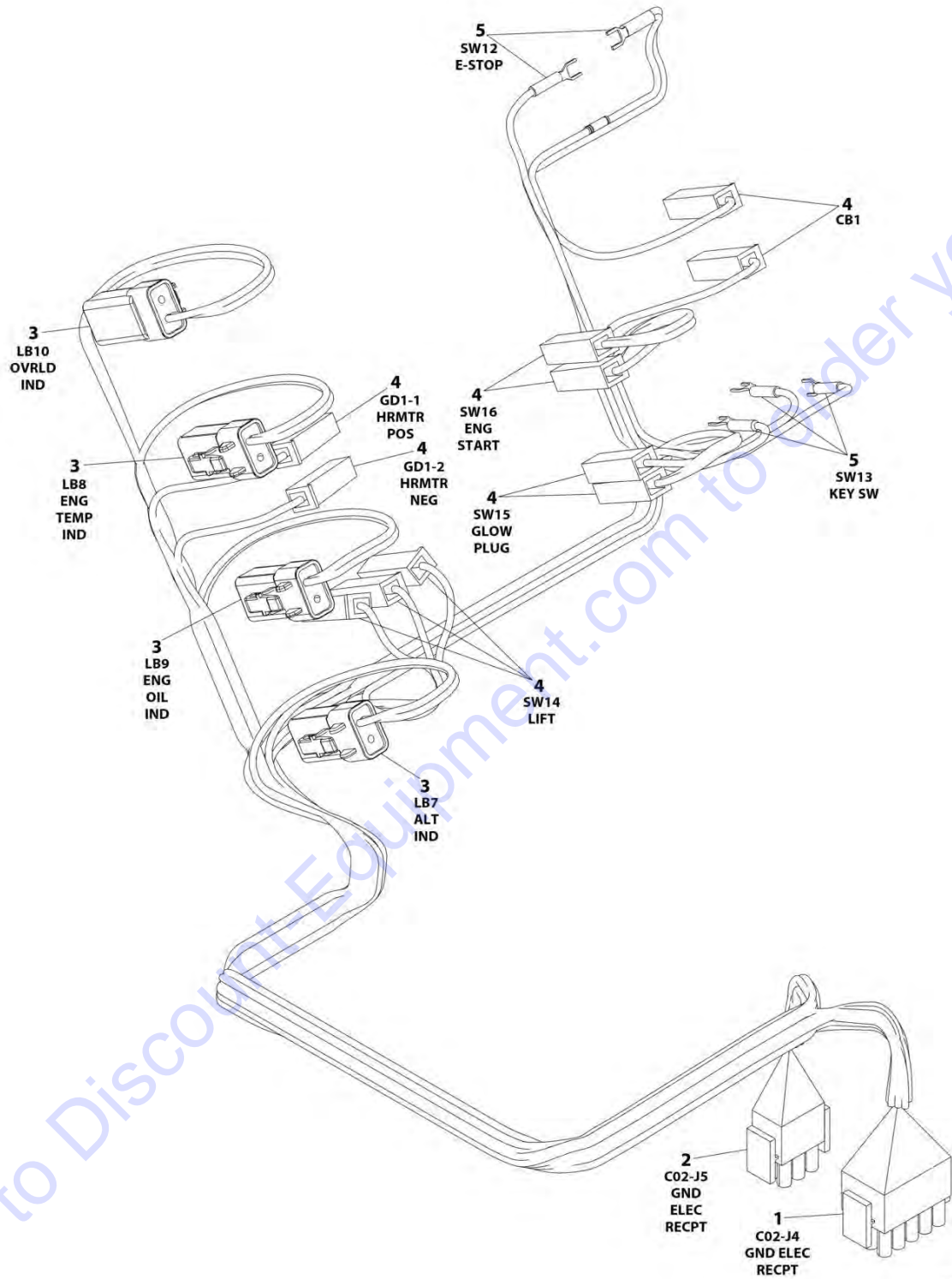
FIGURE 8-23. GENERATOR CONTROL HARNESS - 7500W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1	1001186822	Ref	GENERATOR CONTROL HARNESS - 7500W GENERATOR (CONTROL BOX TO GENERATOR CONTROL)	D
1	4460967	1	Connector	
1	4460465	3	Socket, Female	
2	1001117078	1	Connector - 2 Position	
2	1001116733	2	Terminal, Female	
3	4460536	1	Receptacle, Female - 3 Position	
3	4460464	3	Pin, Male	

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FIGURE 8-24. GROUND CONTROL BOX HARNESS - LOWER



ART_1001236153

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FIGURE 8-24. GROUND CONTROL BOX HARNESS - LOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236153	Ref	GROUND CONTROL BOX HARNESS - LOWER	A
1	4460434	1	Connector - 15 Position	
1	4460268	11	Socket, Female	
2	4460225	1	Connector - 6 Position	
2	4460268	6	Socket, Female	
3	1001126245	4	Receptacle, Female - 2 Position	
3	4460928	8	Socket, Female	
4	4460260	11	Cover, Terminal	
4	4460259	11	Terminal	
5	4460183	4	Terminal, Fork	
5	4460115	2	Terminal, Fork	

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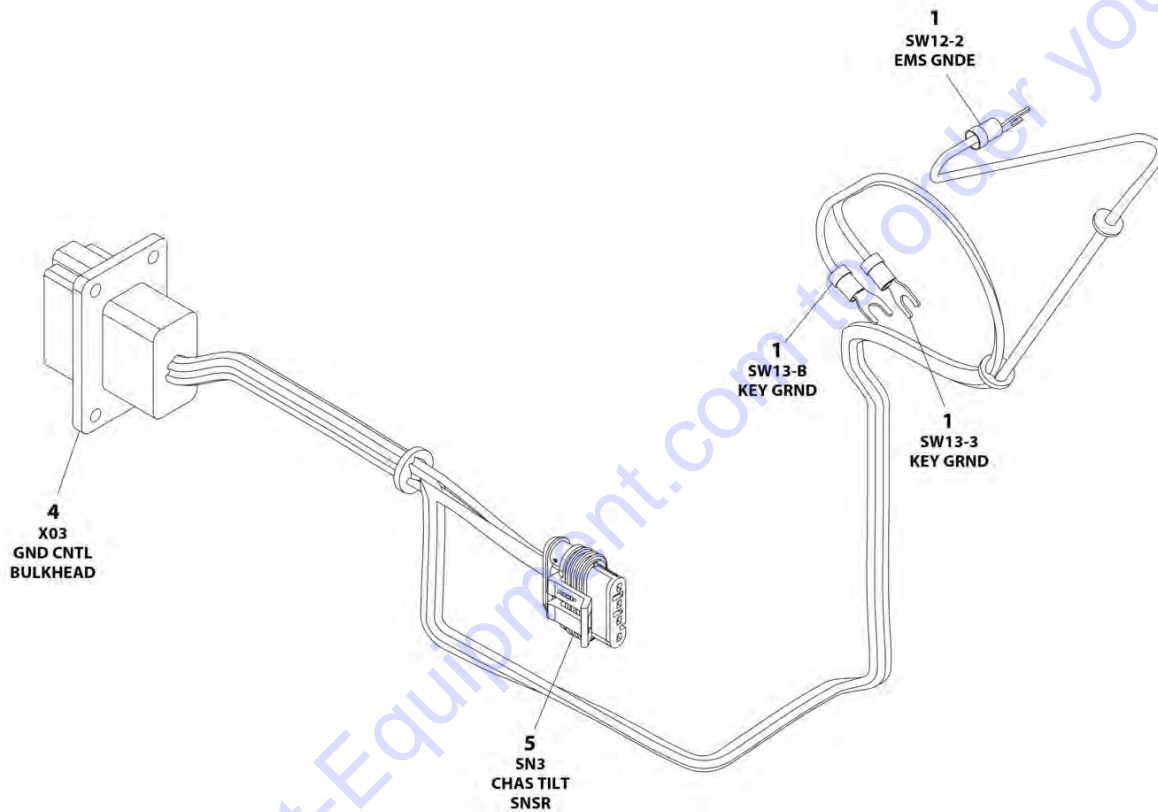
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FIGURE 8-25. GROUND CONTROL BOX HARNESS - UPPER



ART_1001227353

SECTION 8 - ELECTRICAL

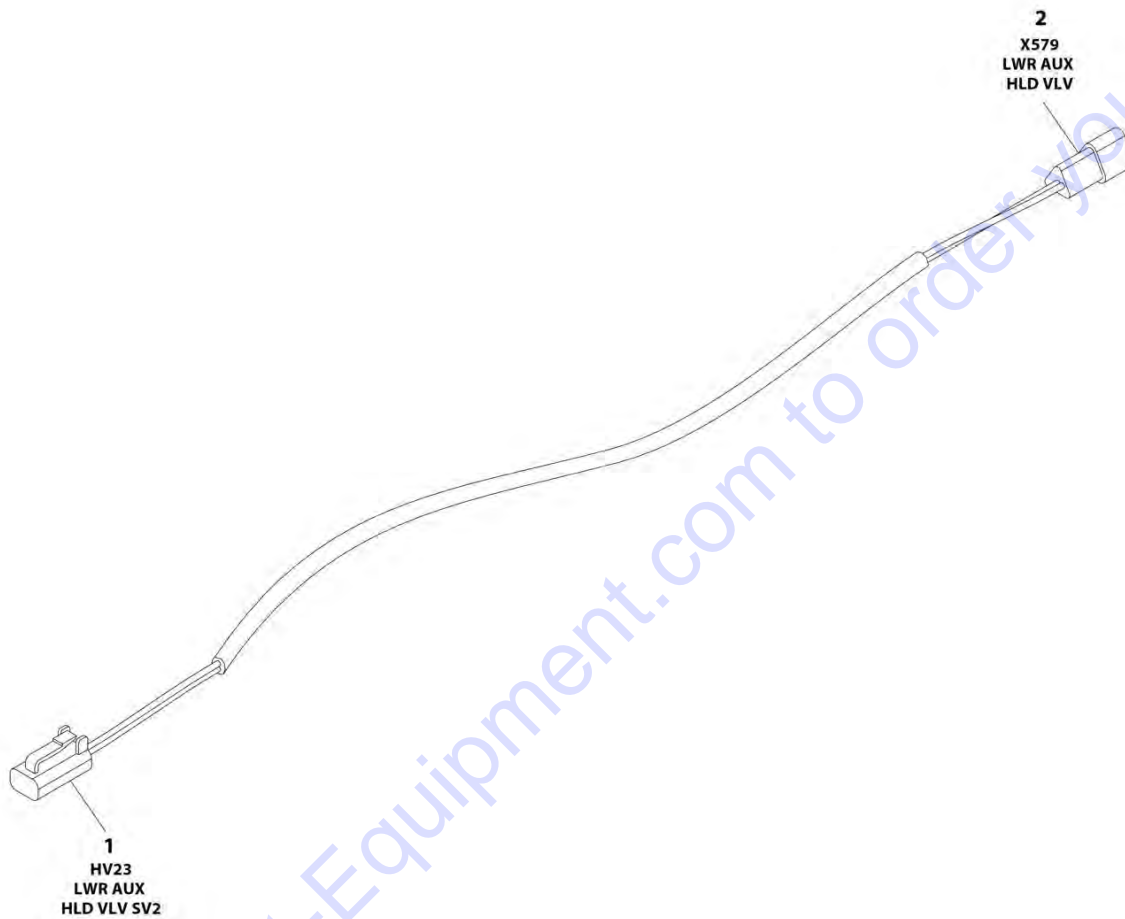
FIGURE 8-25. GROUND CONTROL BOX HARNESS - UPPER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001227353	Ref	GROUND CONTROL BOX HARNESS - UPPER	A
1	4460183	3	Terminal, Fork	
4	4460939	1	Connector - 12 Position	
4	4460464	5	Pin, Male	
4	4460943	2	Pin, Male	
4	4460466	5	Plug, Terminal	
5	1001103012	1	Plug, Male - 4 Position	
5	1001107854	4	Terminal	
5	1001104498	4	Seal	

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FIGURE 8-26. GROUND TO LOWER AUXILIARY HOLDING VALVE HARNESS



ART_1001222343

SECTION 8 - ELECTRICAL

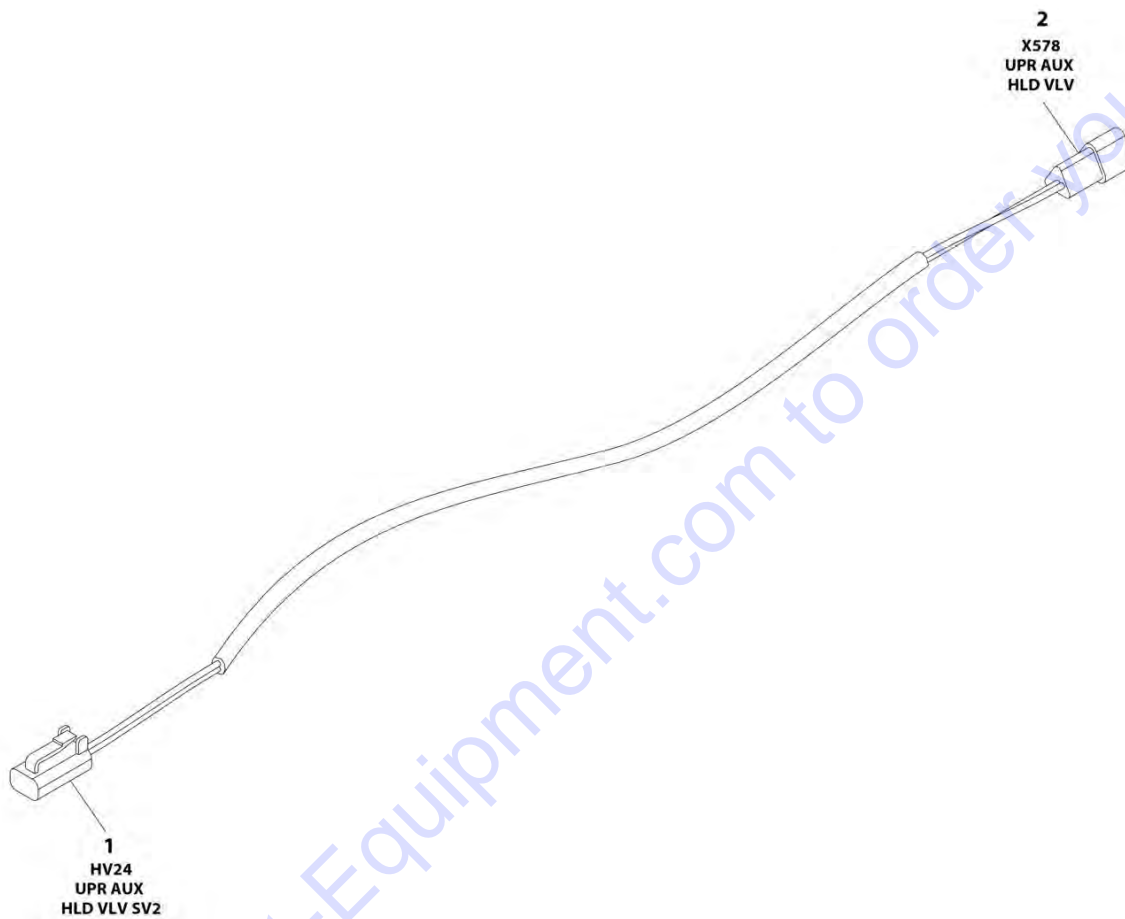
FIGURE 8-26. GROUND TO LOWER AUXILIARY HOLDING VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222343	Ref	GROUND TO LOWER AUXILIARY HOLDING VALVE HARNESS	B
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460536	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	

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FIGURE 8-27. GROUND TO UPPER AUXILIARY HOLDING VALVE HARNESS



ART_1001222344

SECTION 8 - ELECTRICAL

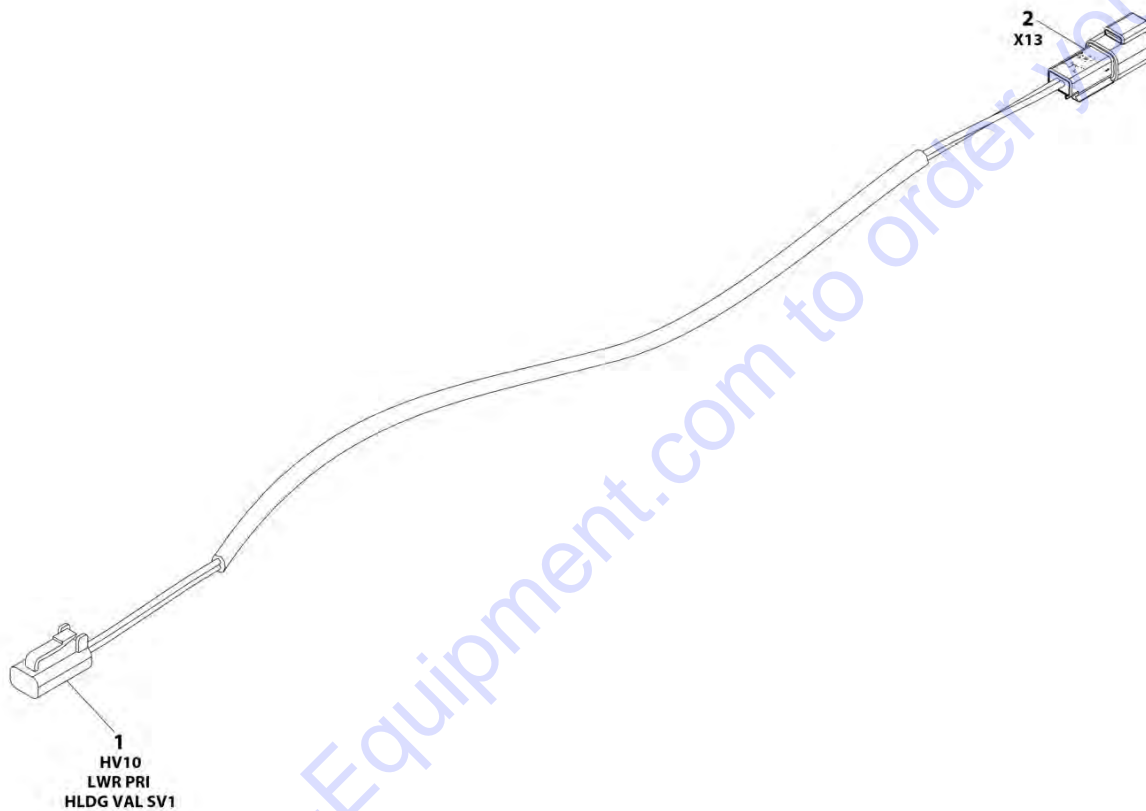
FIGURE 8-27. GROUND TO UPPER AUXILIARY HOLDING VALVE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222344	Ref	GROUND TO UPPER AUXILIARY HOLDING VALVE HARNESS	B
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	2	Socket, Female	
2	4460466	1	Plug, Terminal	

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FIGURE 8-28. GROUND TO LOWER LIFT CYLINDER HARNESS



ART_1001190522

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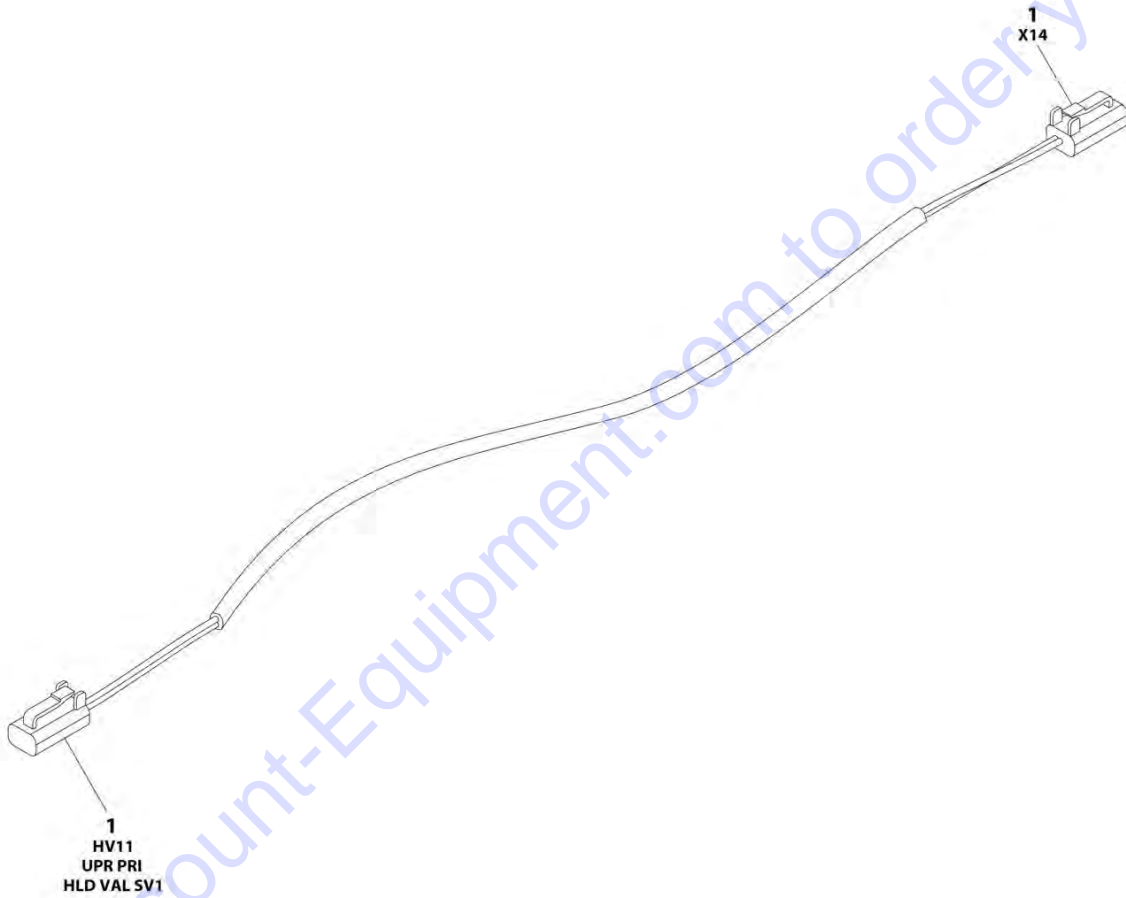
FIGURE 8-28. GROUND TO LOWER LIFT CYLINDER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190522	Ref	GROUND TO LOWER LIFT CYLINDER HARNESS	C
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460897	1	Receptacle, Female - 2 Position	
2	4460464	2	Pin, Male	

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FIGURE 8-29. GROUND TO UPPER LIFT CYLINDER HARNESS



ART_1001190524

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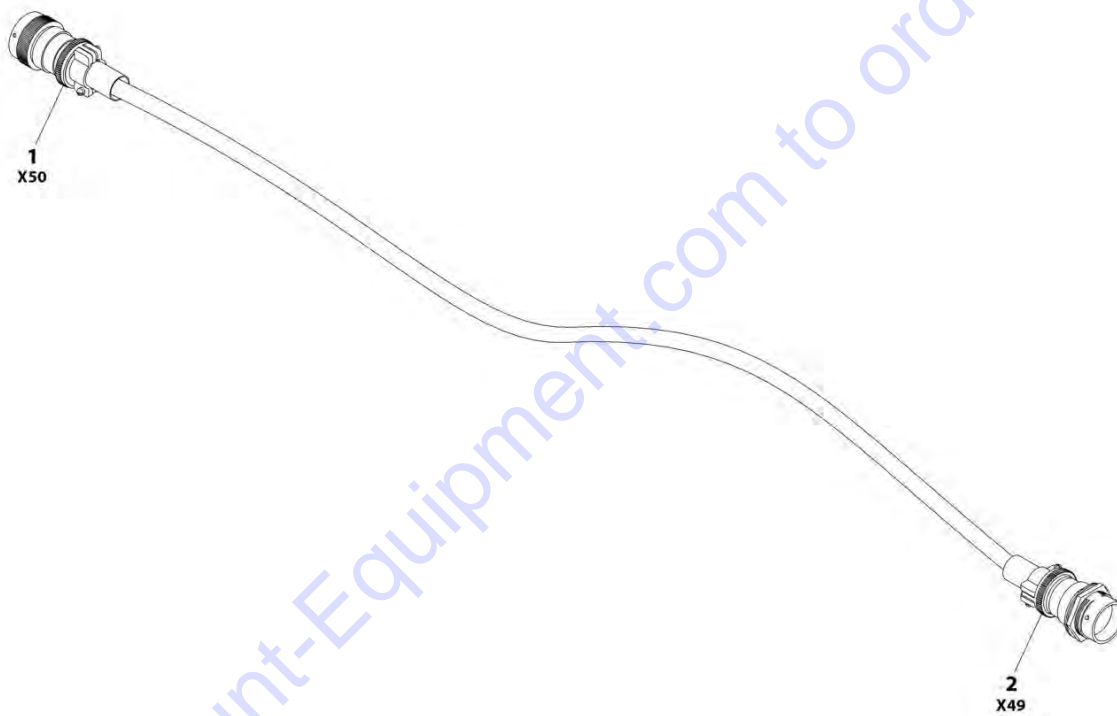
FIGURE 8-29. GROUND TO UPPER LIFT CYLINDER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190524	Ref	GROUND TO UPPER LIFT CYLINDER HARNESS	C
1	4460891	2	Plug, Male - 2 Position	
1	4460465	4	Socket, Female	

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FIGURE 8-30. GROUND TO PLATFORM HARNESS



ART_1001236865

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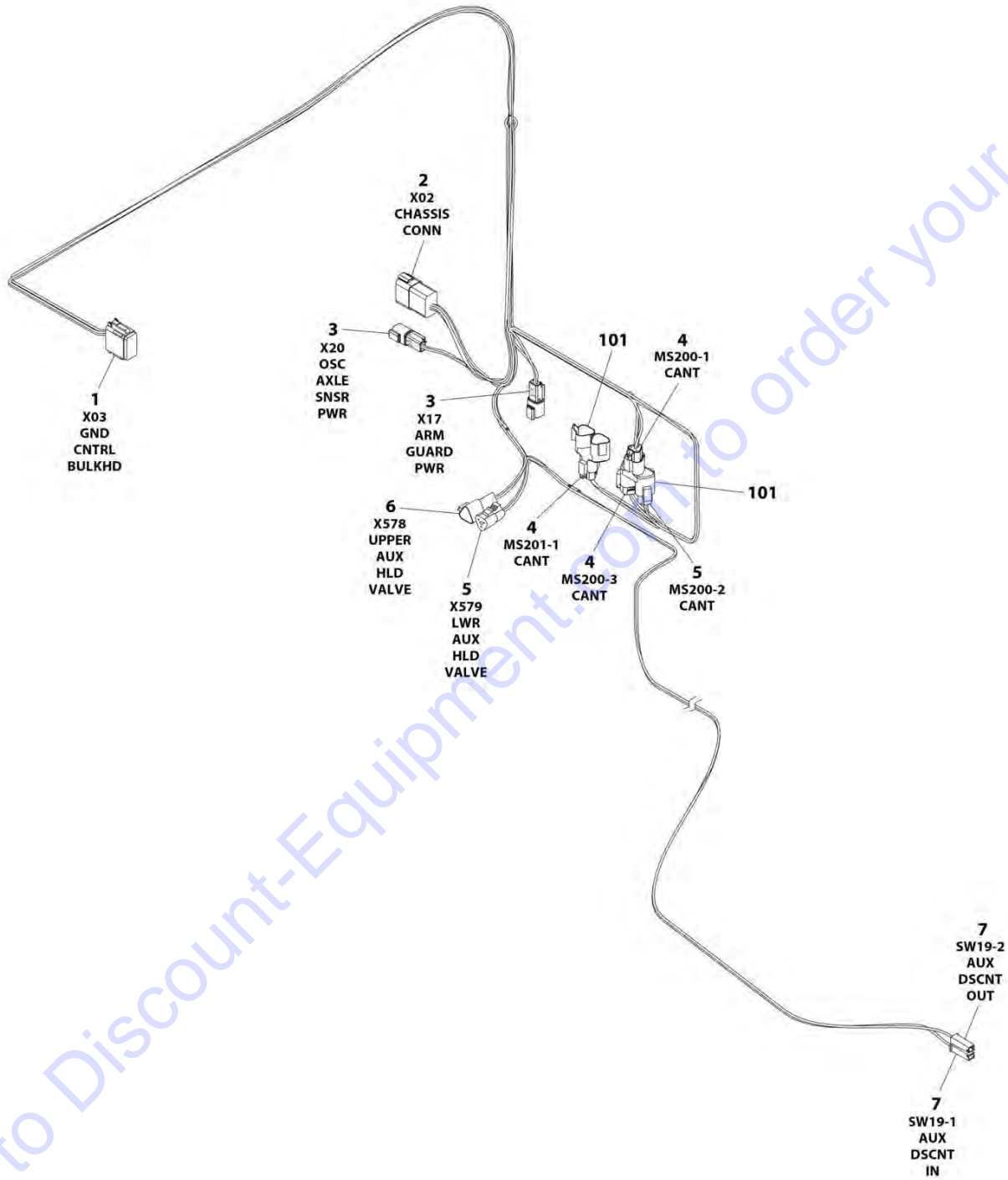
FIGURE 8-30. GROUND TO PLATFORM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236865	Ref	GROUND TO PLATFORM HARNESS	A
1	1001116926	1	Connector - 21 Position	
1	4460465	8	Socket, Female	
1	4460509	4	Socket, Female	
1	4460944	2	Socket, Female	
1	4460466	7	Plug, Terminal	
2	1001116930	1	Connector - 21 Position	
2	4460464	8	Pin, Male	
2	4460508	4	Pin, Male	
2	4460943	2	Pin, Male	
2	4460466	7	Plug, Terminal	

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FIGURE 8-31. HYDRAULIC COMPARTMENT HARNESS



ART_1001222025

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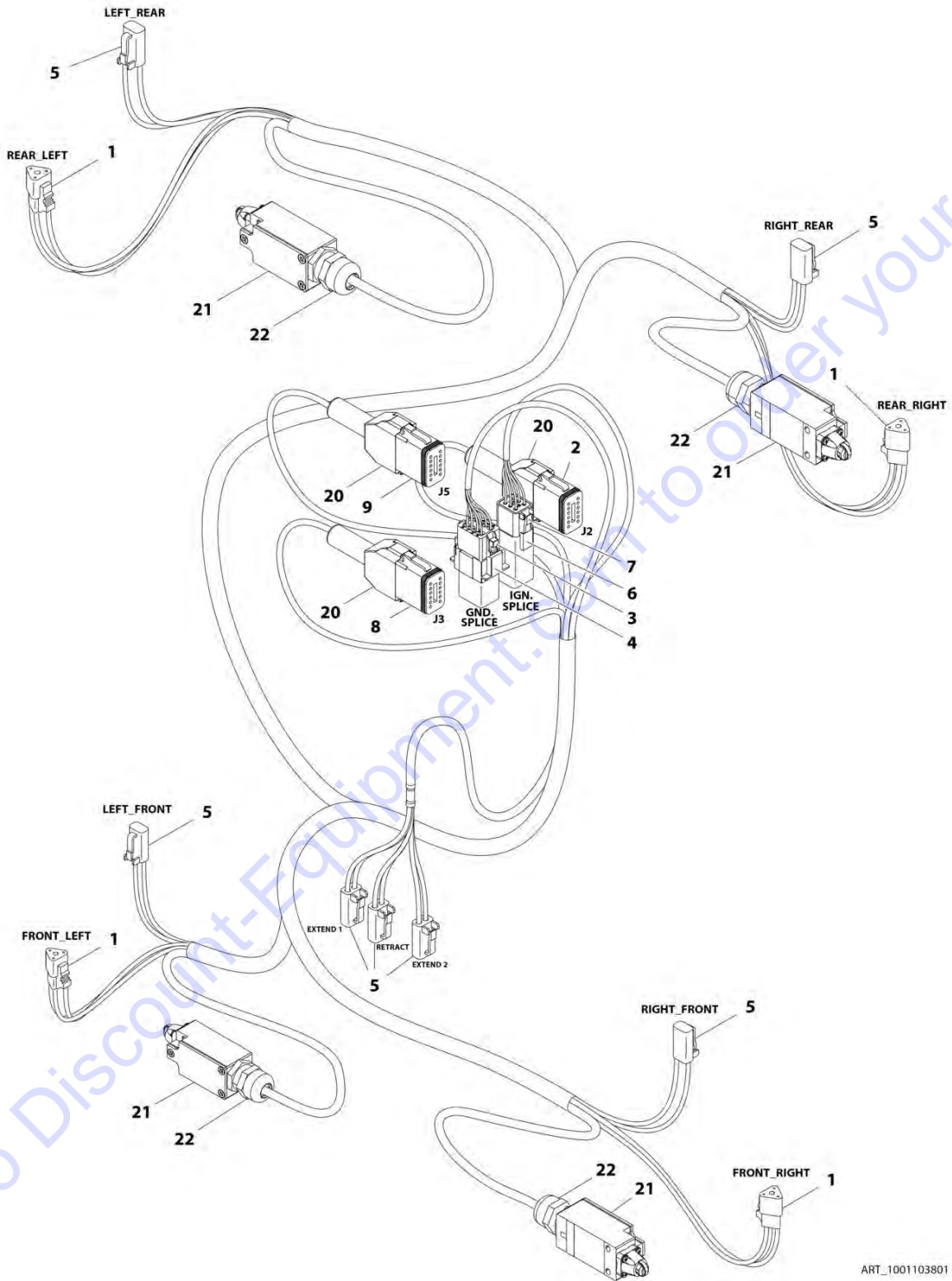
FIGURE 8-31. HYDRAULIC COMPARTMENT HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001222025	Ref	HYDRAULIC COMPARTMENT HARNESS	A
1	4460933	1	Plug, Male - 12 Position	
1	4460465	4	Socket, Female	
1	4460944	2	Socket, Female	
1	4460466	6	Plug, Terminal	
2	4460931	1	Receptacle, Female - 8 Position	
2	4460464	3	Pin, Male	
2	4460943	3	Pin, Male	
2	4460466	2	Plug, Terminal	
3	4460897	2	Receptacle, Female - 2 Position	
3	4460464	4	Pin, Male	
4	1001116812	3	Plug, Male - 3 Position	
4	4460944	9	Socket, Female	
5	4460539	2	Plug, Male - 3 Position	
5	4460944	6	Terminal	
6	4460536	1	Receptacle, Female - 3 Position	
6	4460464	2	Pin, Male	
6	4460466	1	Plug, Terminal	
7	4460260	2	Holder, Terminal	
7	4460259	2	Terminal	
101	4460945	2	Receptacle - 3 Way	

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FIGURE 8-32. LEVELING JACK HARNESS



ART_1001103801

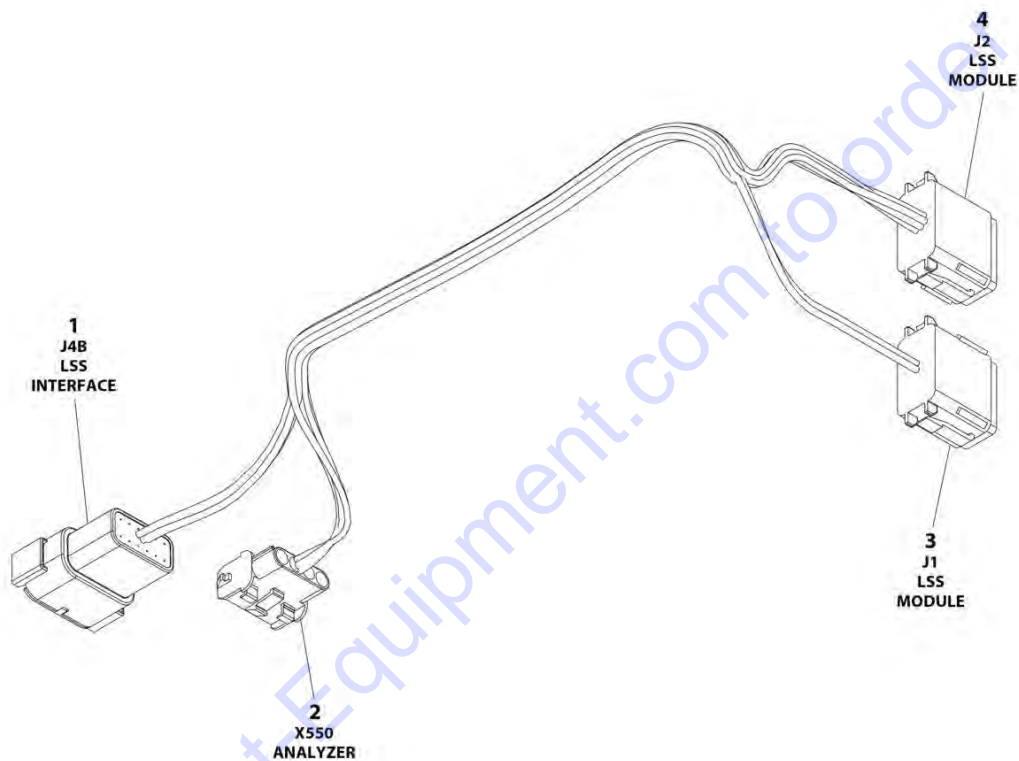
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FIGURE 8-32. LEVELING JACK HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001103801	Ref	LEVELING JACK HARNESS	D
1	4460539	4	Connector - 3 Position	
1	4460465	12	Socket, Female	
2	4460836	1	Connector - 12 Position	
2	4460465	7	Socket, Female	
2	4460466	5	Plug	
3	4460851	1	Connector - 8 Position	
3	4460465	8	Socket, Female	
4	4460852	1	Connector, Buss Bar - 8 Position	
5	4460891	7	Connector - 2 Position	
5	4460465	14	Socket, Female	
6	4460892	1	Terminal, Buss Bar - 6 Position	
7	4460894	1	Connector - 6 Position	
7	4460465	6	Socket, Female	
8	4460934	1	Connector - 12 Position	
8	4460465	12	Socket, Female	
9	4460935	1	Connector - 12 Position	
9	4460465	5	Socket, Female	
9	4460466	7	Plug	
20	0840055	3	Boot	
21	4360548	4	Switch, Limit	
22	4460968	4	Connector, Strain Relief	

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FIGURE 8-33. LSS HARNESS



ART_1001226830

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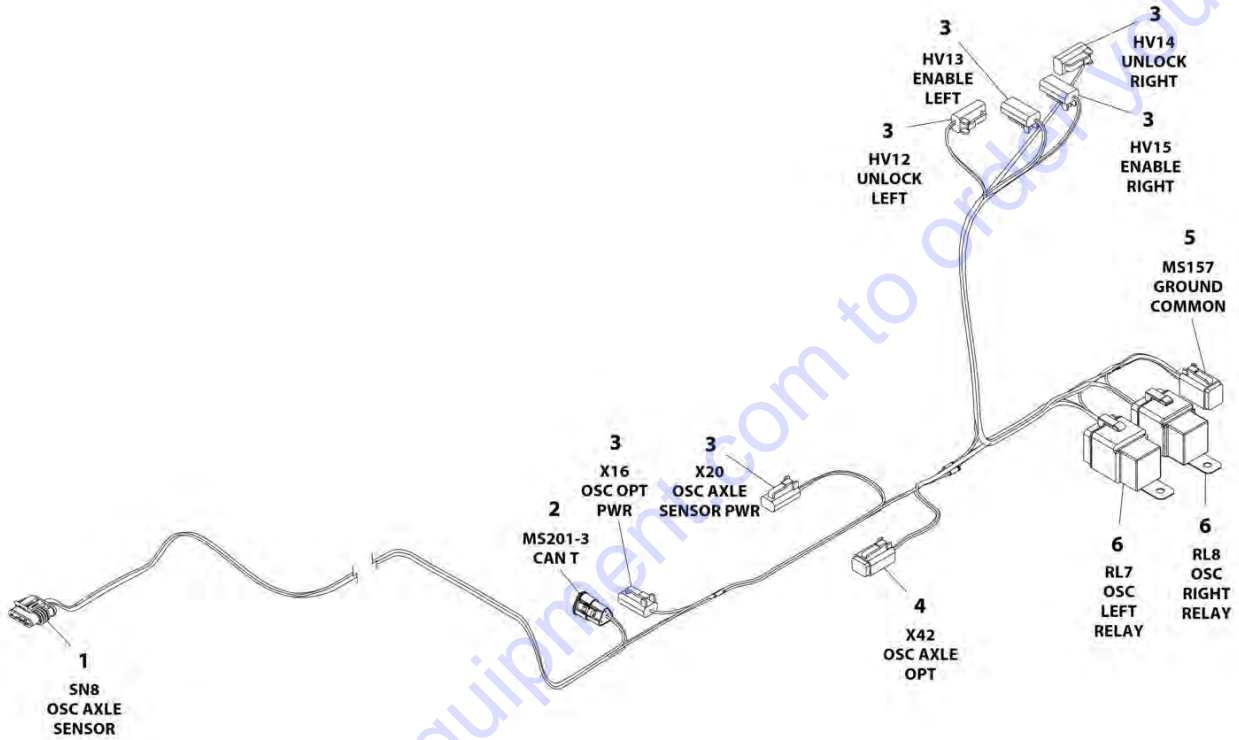
FIGURE 8-33. LSS HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001226830	Ref	LSS HARNESS	A
1	1001132170	1	Connector - 12 Position	
1	4460929	2	Pin, Male	
1	4460917	2	Pin, Male	
1	4460518	8	Plug, Terminal	
2	4460761	1	Receptacle, Female - 4 Position	
2	4460294	4	Pin, Male	
3	4460933	1	Connector - 12 Position	
3	4460465	2	Socket, Female	
3	4460466	10	Plug, Terminal	
4	4460836	1	Connector - 12 Position	
4	4460465	5	Socket, Female	
4	4460944	2	Socket, Female	
4	4460466	5	Plug, Terminal	

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FIGURE 8-34. OSCILLATING AXLE HARNESS



ART_1001187601

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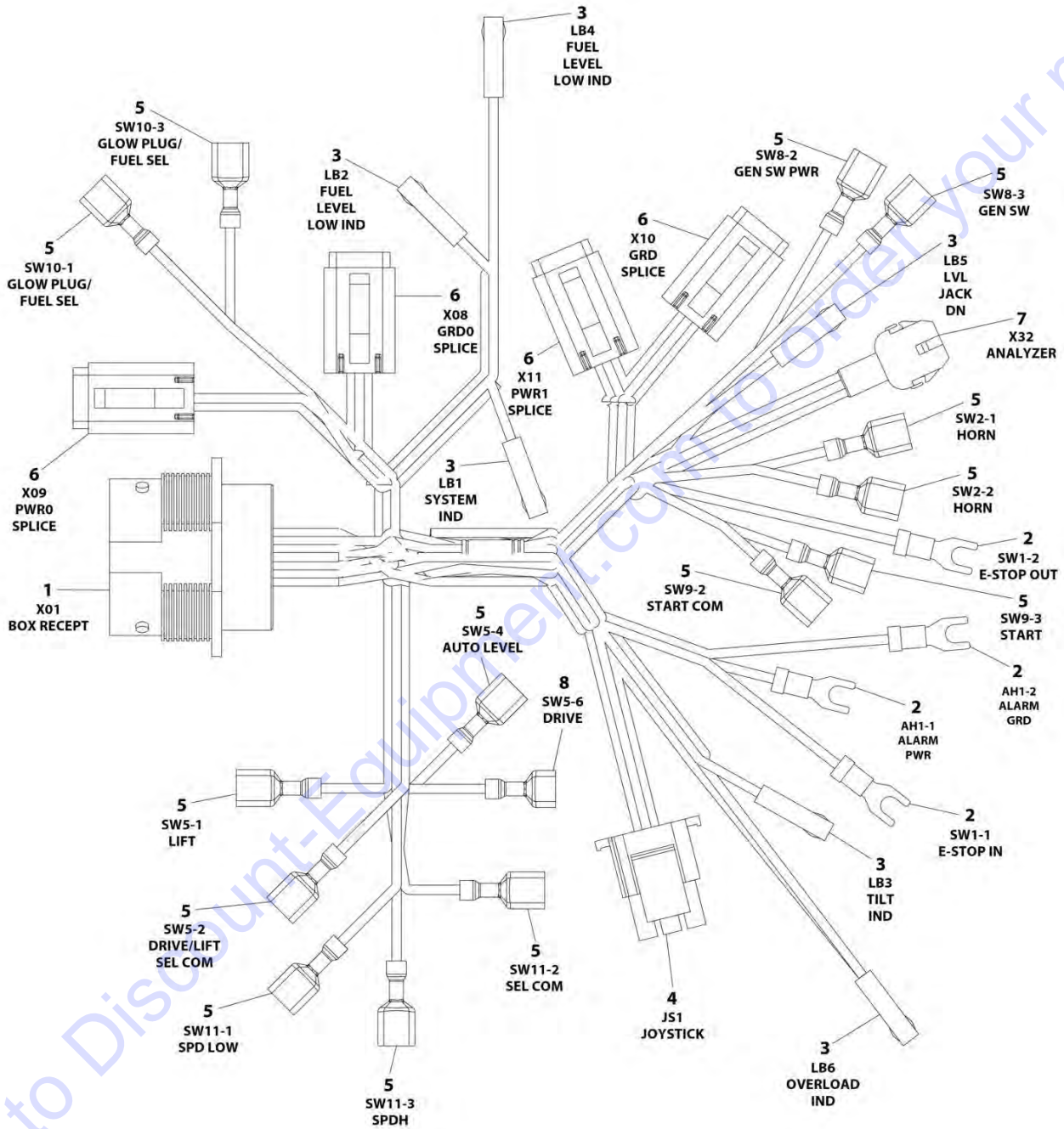
FIGURE 8-34. OSCILLATING AXLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187601	Ref	OSCILLATING AXLE HARNESS	C
1	1001103012	1	Connector - 4 Position	
1	1001107854	4	Socket, Female	
1	1001104498	4	Seal	
2	1001116812	1	Connector - 3 Position	
2	4460944	3	Socket, Female	
3	4460891	6	Connector - 2 Position	
3	4460465	11	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4460884	1	Connector - 4 Position	
4	4460465	3	Socket, Female	
4	4460466	1	Plug, Terminal	
5	4460894	1	Connector - 6 Position	
5	4460465	6	Socket, Female	
6	1001117025	2	Connector, Relay	
6	4460375	8	Terminal	

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FIGURE 8-35. PLATFORM CONTROL BOX HARNESS



ART_1001236230

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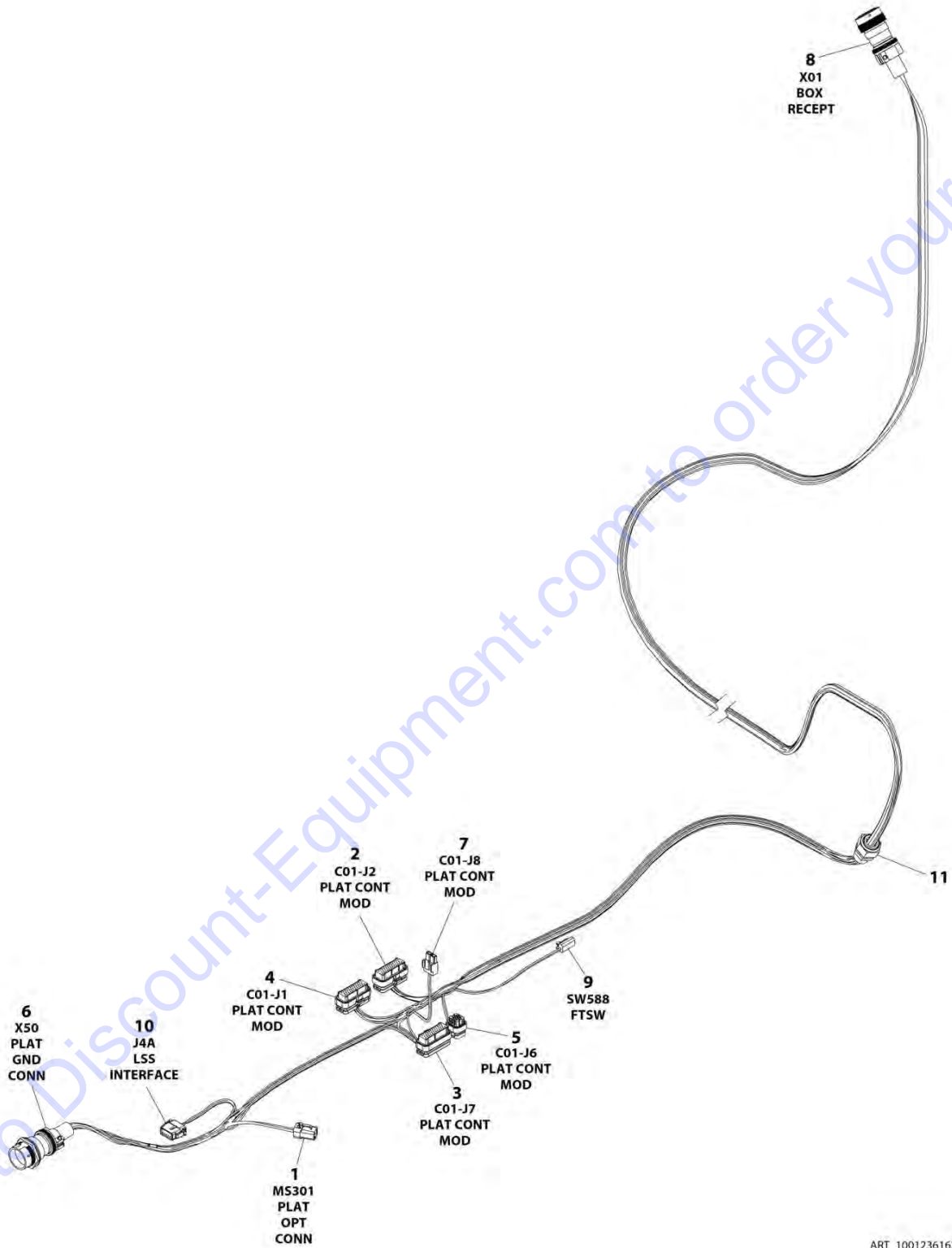
FIGURE 8-35. PLATFORM CONTROL BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236230	Ref	PLATFORM CONSOLE BOX HARNESS	B
1	1001116934	1	Connector - 31 Position	
1	4460464	31	Pin, Male	
2	4460183	4	Terminal, Fork	
3	1001190469	6	Connector - 2 Position	
3	1001190471	12	Terminal	
4	4460265	1	Plug, Male - 9 Position	
4	4460267	7	Terminal	
5	1001194421	13	Terminal	
6	4460894	4	Plug, Male - 6 Position	
6	4460465	20	Socket, Female	
6	4460466	4	Plug, Terminal	
6	4460892	4	Bussbar	
7	4460761	1	Plug, Male - 4 Position	
7	4460267	4	Terminal	
8	1001194221	1	Terminal	

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FIGURE 8-36. PLATFORM MODULE TO CONSOLE BOX HARNESS



ART_1001236162

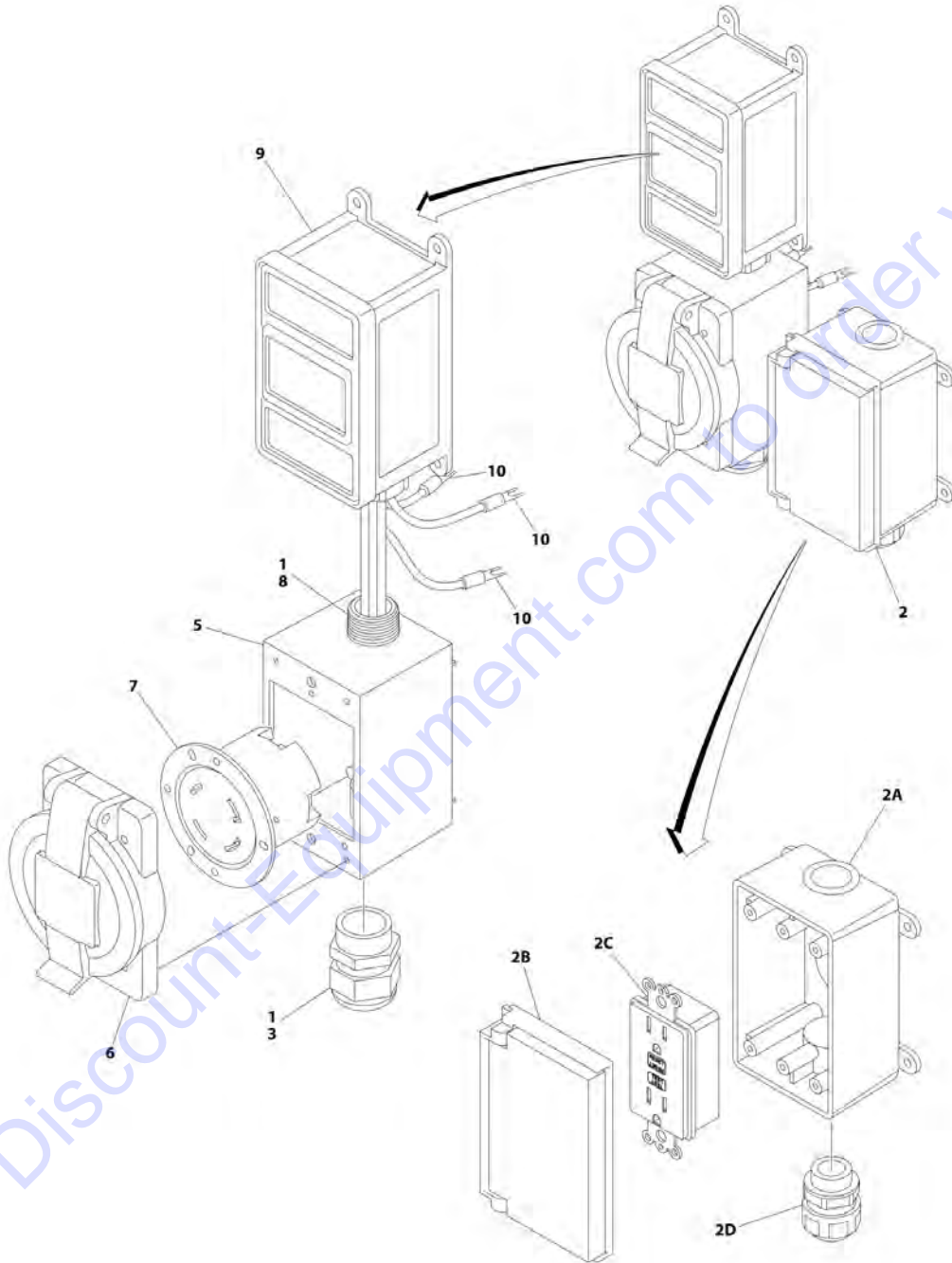
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FIGURE 8-36. PLATFORM MODULE TO CONSOLE BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236162	Ref	PLATFORM MODULE TO CONSOLE BOX HARNESS	C
1	1001116810	1	Plug, Male - 4 Position	
1	4460509	2	Socket, Female	
1	4460466	6	Plug, Terminal	
1	1001116811	1	Receptacle, Female - 4 Position	
2	4460876	1	Connector - 35 Position	
2	4460905	20	Plug, Terminal	
2	4460871	15	Socket, Female	
3	4460873	1	Connector - 35 Position	
3	4460871	11	Socket, Female	
3	4460905	24	Plug, Terminal	
4	4460874	1	Connector - 35 Position	
4	4460871	12	Socket, Female	
4	4460905	23	Plug, Terminal	
5	1001113961	1	Connector - 8 Position	
5	4460871	2	Socket, Female	
5	4460905	6	Plug, Terminal	
6	1001116930	1	Connector - 21 Position	
6	4460464	4	Pin, Male	
6	4460508	4	Pin, Male	
6	4460943	3	Pin, Male	
6	4460466	10	Plug, Terminal	
7	4460879	1	Connector - 2 Position	
7	4461271	2	Terminal	
8	1001195123	1	Connector - 31 Position	
8	4460465	31	Socket, Female	
9	4460891	1	Plug, Male - 2 Position	
9	4460465	2	Socket, Female	
9	1001144295	1	Receptacle, Female	
10	1001116808	1	Connector - 12 Position	
10	4460518	8	Plug, Terminal	
10	4460928	2	Socket, Female	
10	4460918	2	Terminal	
11	4460051	1	Connector, Strain Relief	

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FIGURE 8-37. RECEPTACLE ASSEMBLY (MACHINES WITH GENERATORS) (ALL SPECS EXCEPT AUSTRALIAN AND CE SPEC)



ART_1001187092

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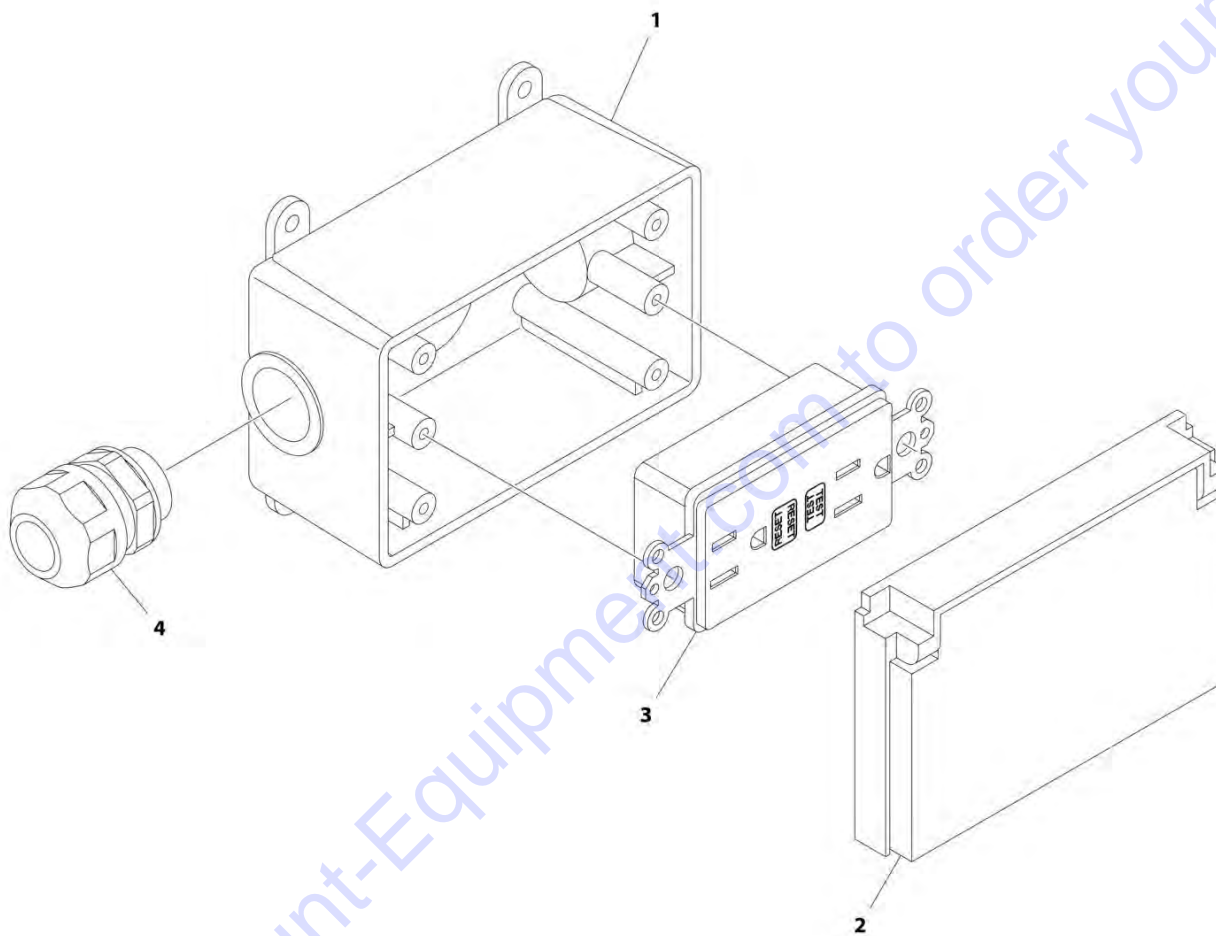
FIGURE 8-37. RECEPTACLE ASSEMBLY (MACHINES WITH GENERATORS) (ALL SPECS EXCEPT AUSTRALIAN AND CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187092	Ref	RECEPTACLE ASSEMBLY (ALL SPECS EXCEPT AUSTRALIAN AND CE SPEC)	B
1	0100020	AR	Sealant, Pipe	
2	2902431	1	Receptacle Box Kit	
2A	0861731	1	Box	
2B	1671207	1	Cover	
2C	4460346	1	Receptacle	
2D	4460662	1	Connector, Strain Relief	
3	4460612	1	Connector, Strain Relief	
4	1001099670	3	Terminal (Not Shown)	
5	1001148675	1	Box	
6	1001148676	1	Cover, Receptacle	
7	1001148907	1	Connector, Receptacle - 240V	
8	1001159119	1	Conduit	
9	1001159118	1	Breaker, GFCI 30A - 240V	
10	4460315	3	Terminal	

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FIGURE 8-38. RECEPTACLE BOX KIT - 110V GFI



ART_2902431

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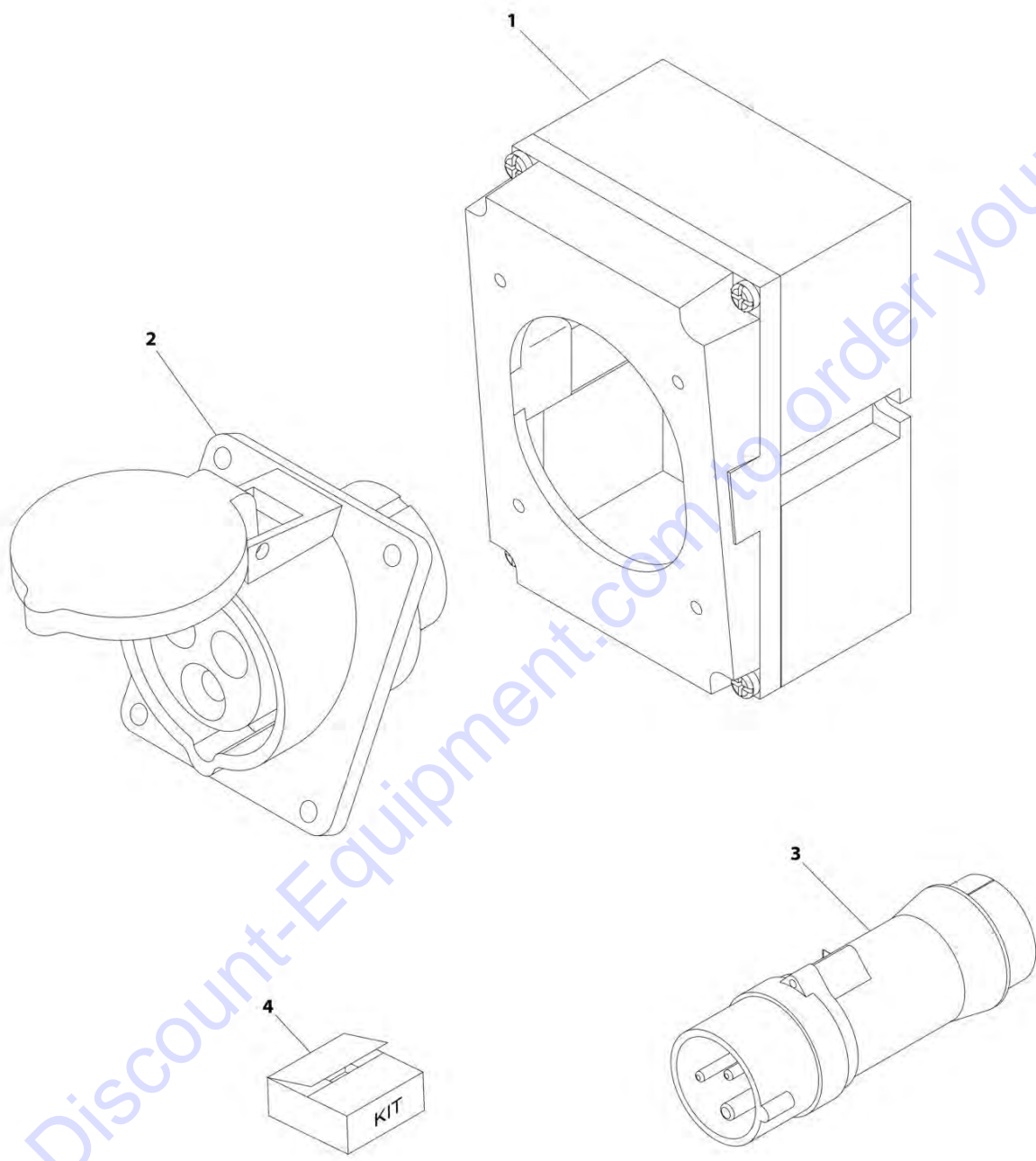
FIGURE 8-38. RECEPTACLE BOX KIT - 110V GFI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902431	Ref	RECEPTACLE BOX KIT - 110V GFI	D
1	0861731	1	Box, Receptacle	
2	1671207	1	Cover, Receptacle	
3	4460346	1	Receptacle	
4	4460662	1	Connector, Strain Relief	

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FIGURE 8-39. RECEPTACLE BOX KIT - 110V IEC YELLOW



ART_0275216

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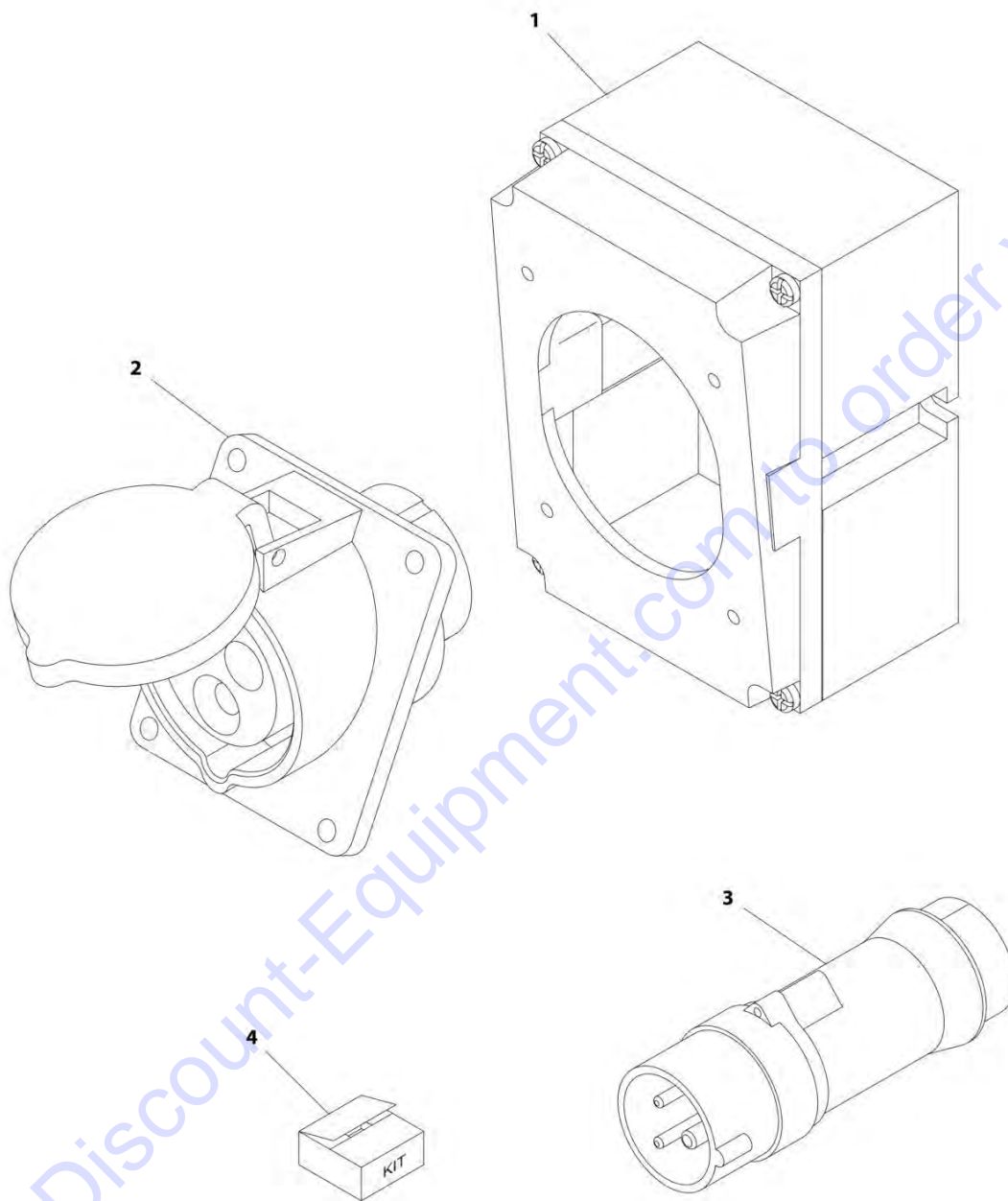
FIGURE 8-39. RECEPTACLE BOX KIT - 110V IEC YELLOW

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275216	Ref	RECEPTACLE BOX KIT - 110V IEC YELLOW	B
1	0861781	1	Box, Switch	
2	4461198	1	Receptacle	
3	4461196	1	Plug, Male	
4	1001100341	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461197)	

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FIGURE 8-40. RECEPTACLE BOX KIT - 220V IEC BLUE



ART_0275217

SECTION 8 - ELECTRICAL

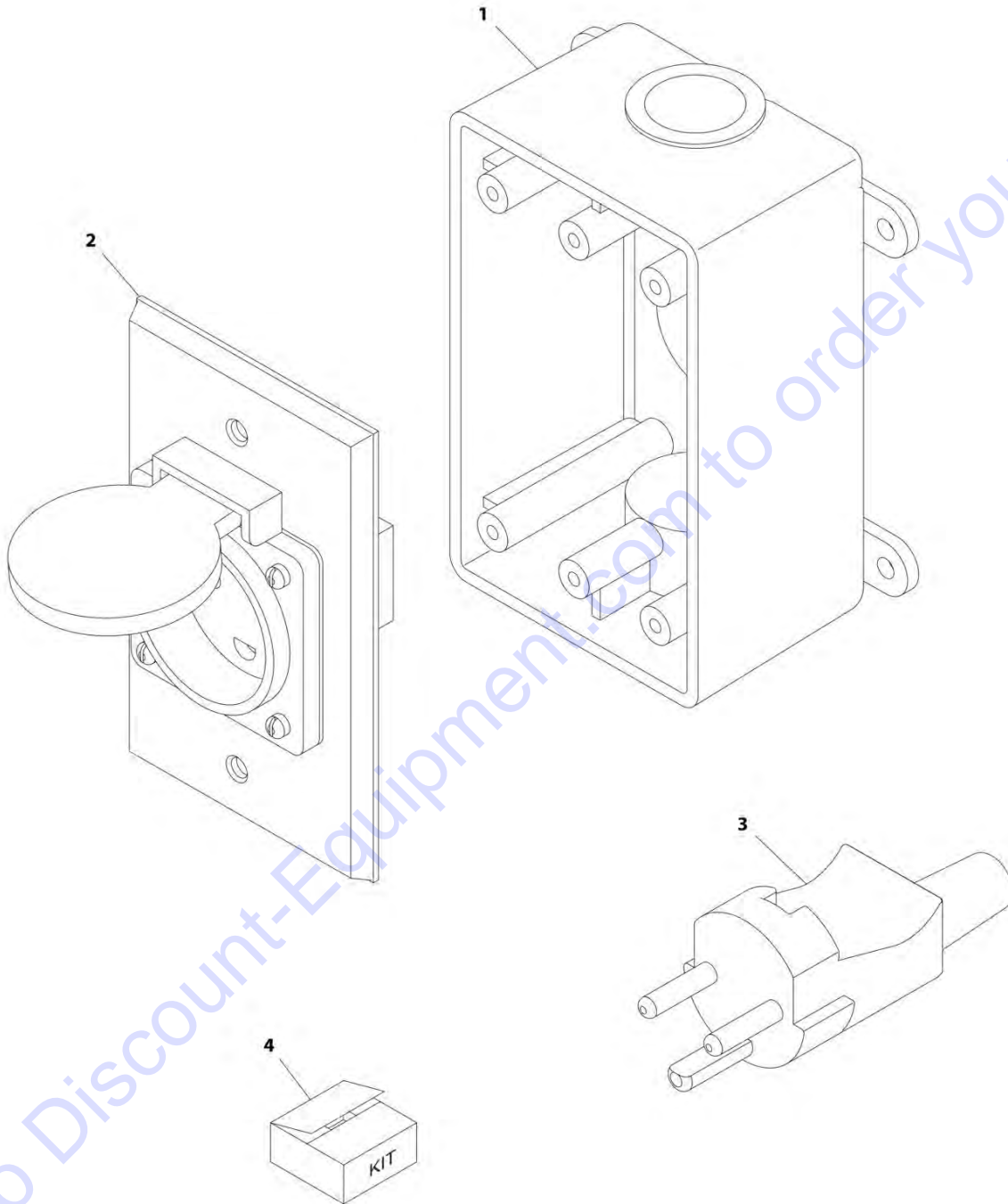
FIGURE 8-40. RECEPTACLE BOX KIT - 220V IEC BLUE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275217	Ref	RECEPTACLE BOX KIT - 220V IEC BLUE	B
1	0861781	1	Box, Switch	
2	4461201	1	Receptacle	
3	4461199	1	Plug, Male	
4	1001100342	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461200)	

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FIGURE 8-41. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)



ART_0275454

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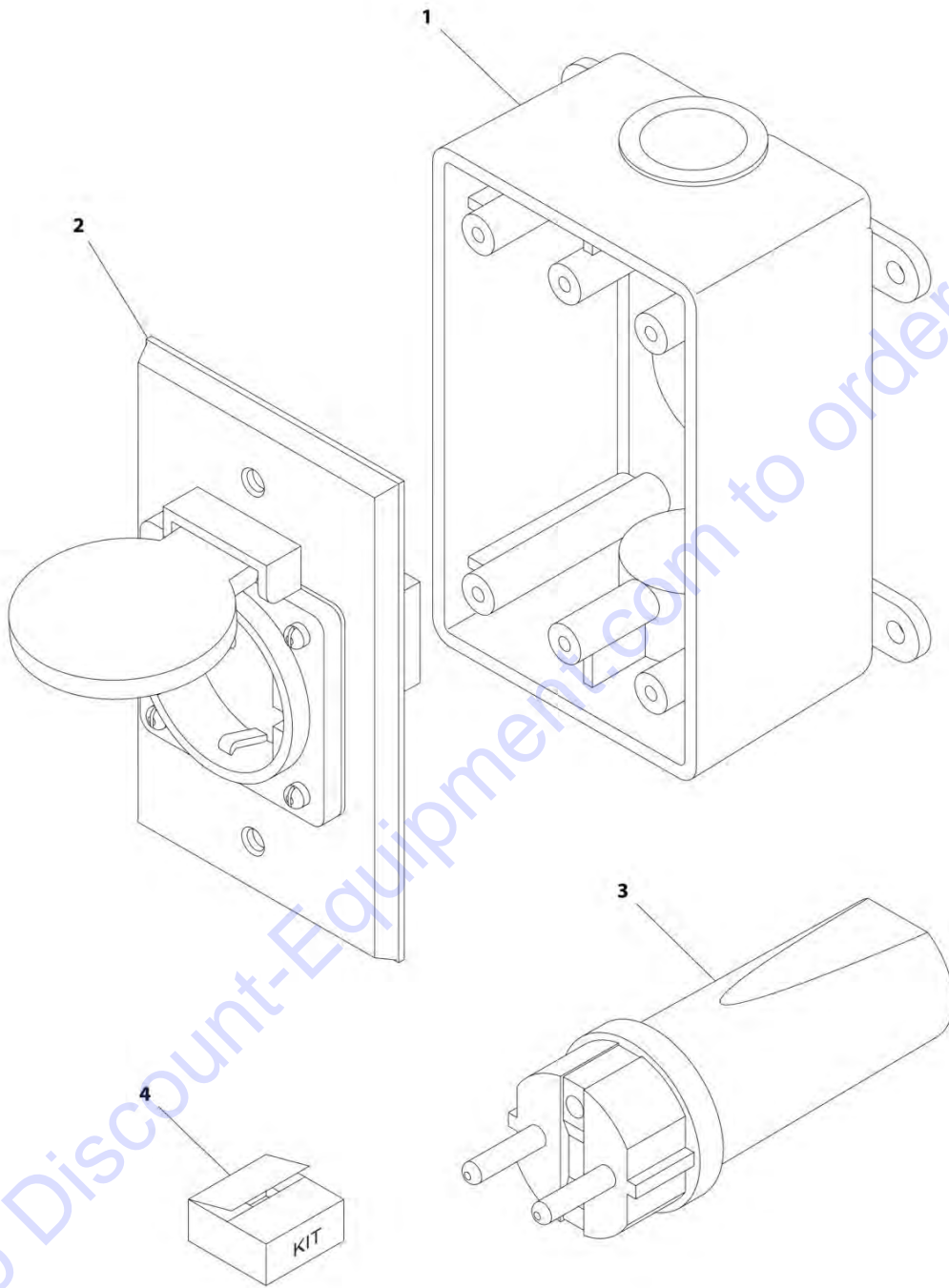
FIGURE 8-41. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275454	Ref	RECEPTACLE BOX KIT - 220V AFSINT 107	B
1	0861731	1	Box, Switch	
2	4461246	1	Receptacle	
3	4461249	1	Plug, Male	
4	1001100346	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461250)	

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FIGURE 8-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND



ART_0275453

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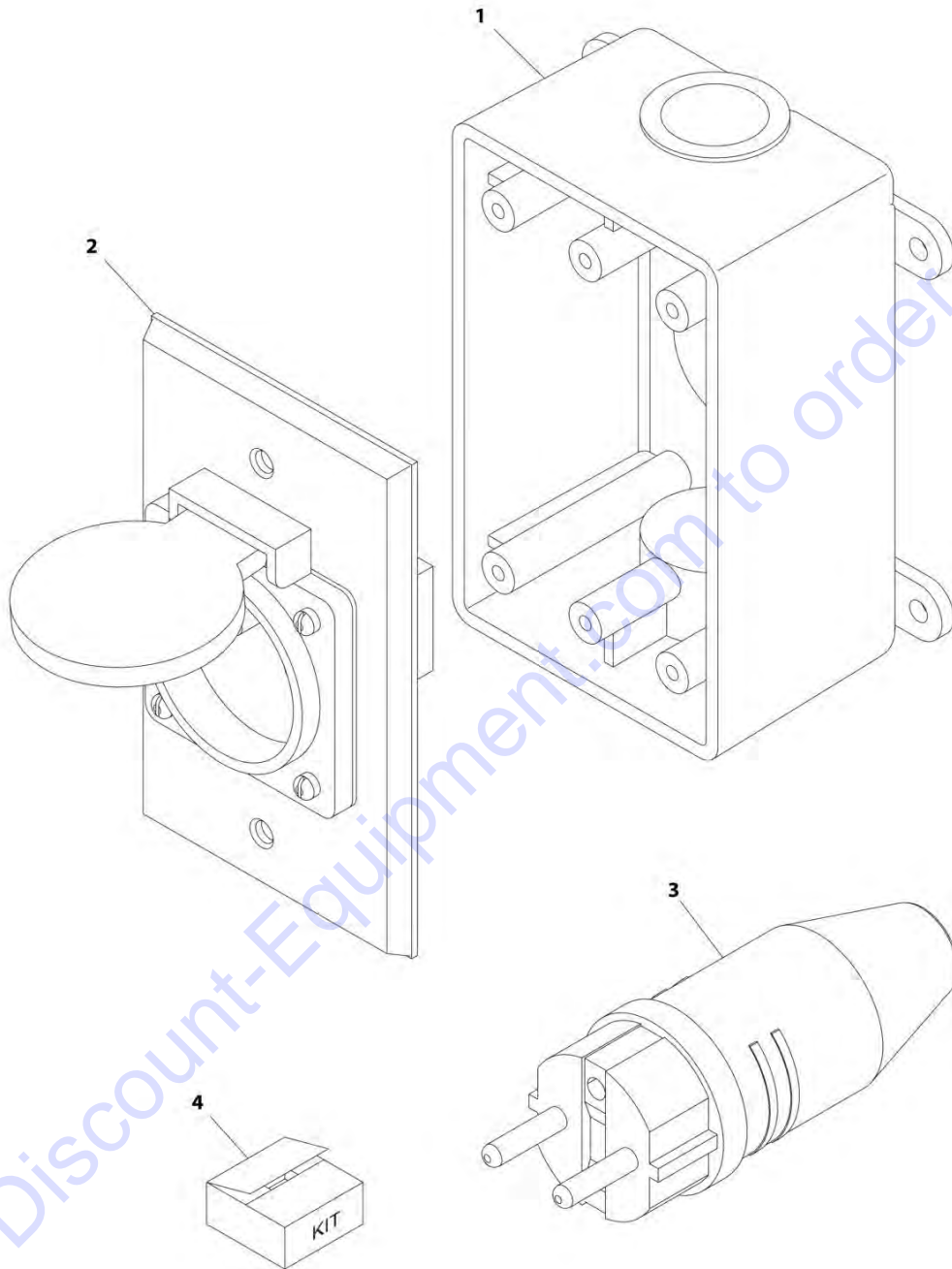
FIGURE 8-42. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275453	Ref	RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND	B
1	0861731	1	Box, Switch	
2	4461245	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100347	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

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FIGURE 8-43. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)



ART_0275452-C

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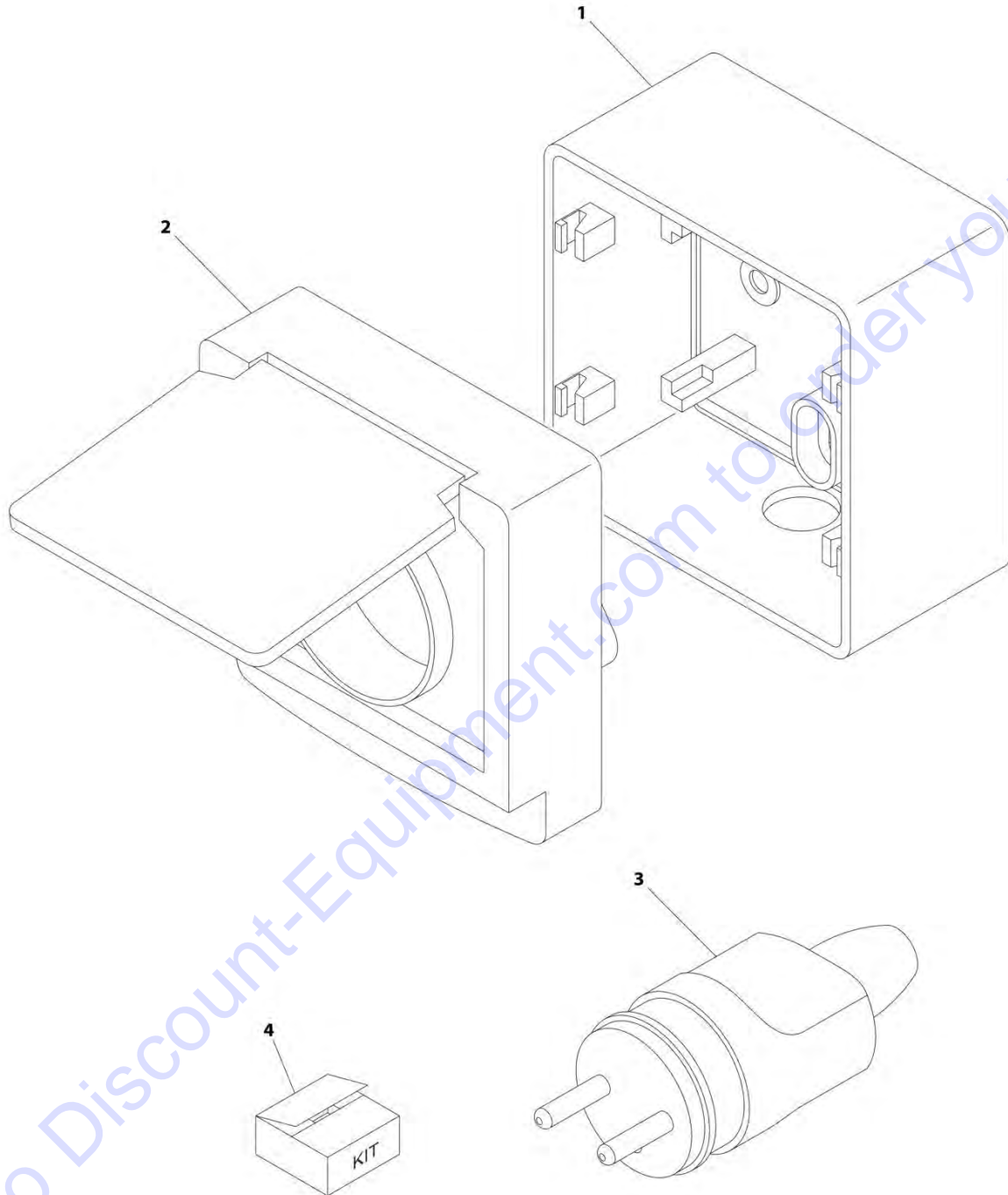
FIGURE 8-43. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND	C
1	0861731	1	Box, Switch	
2	4461244	1	Receptacle	
3	4461205	1	Plug, Male	
4	1001100345	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

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FIGURE 8-44. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70MM X 70MM BOX (CE SPEC)



ART_0275218

SECTION 8 - ELECTRICAL

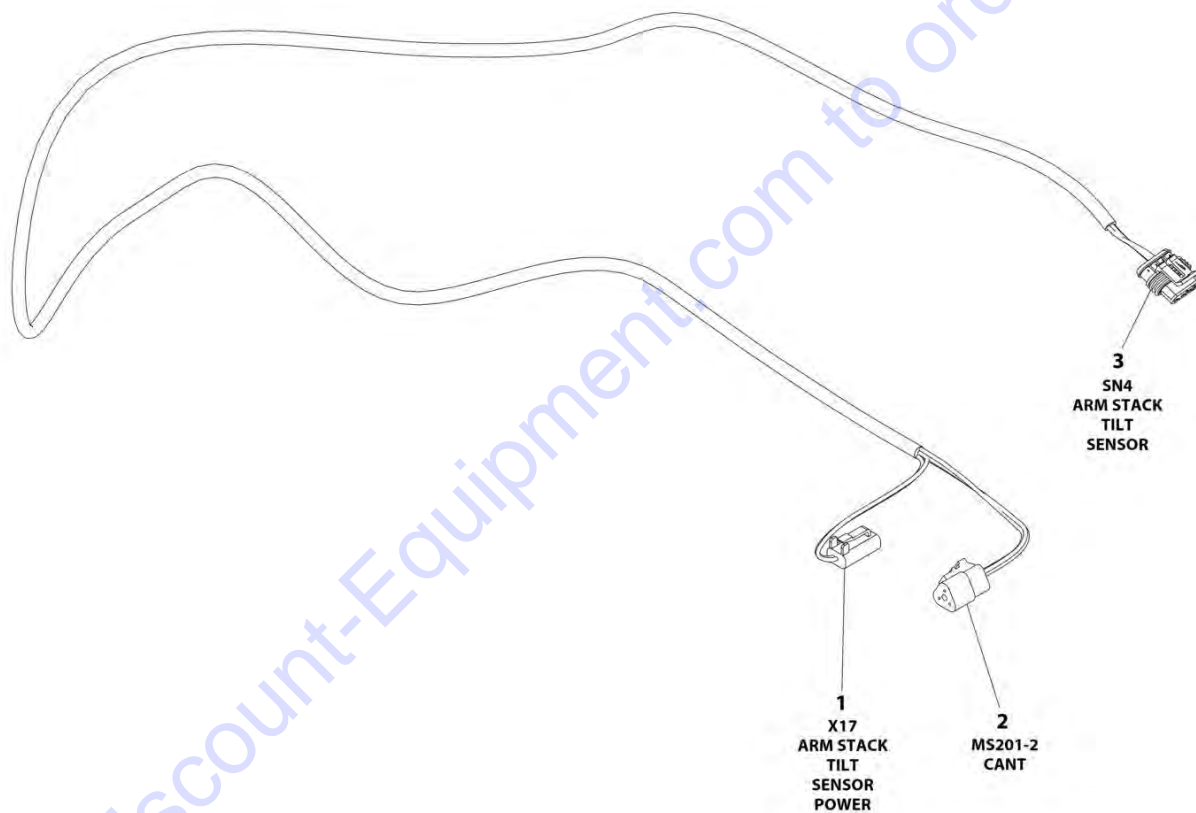
FIGURE 8-44. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70MM X 70MM BOX (CE SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275218	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 70X70 BOX (CE SPEC)	B
1	1001141967	1	Box, Switch	
2	1001141968	1	Receptacle	
3	4461202	1	Plug, Male	
4	1001141971	1	Plug and Socket Kit (Includes Items 1-3 and Female Plug p/n 4461206)	

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SECTION 8 - ELECTRICAL

FIGURE 8-45. SCISSORS ARMS GUARD HARNESS



ART_1001244347

SECTION 8 - ELECTRICAL

FIGURE 8-45. SCISSORS ARMS GUARD HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244347	Ref	SCISSORS ARMS GUARD HARNESS	B
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460539	1	Plug, Male - 3 Position	
2	4460944	3	Socket, Female	
3	1001103012	1	Connector - 4 Position	
3	1001107854	4	Socket, Female	

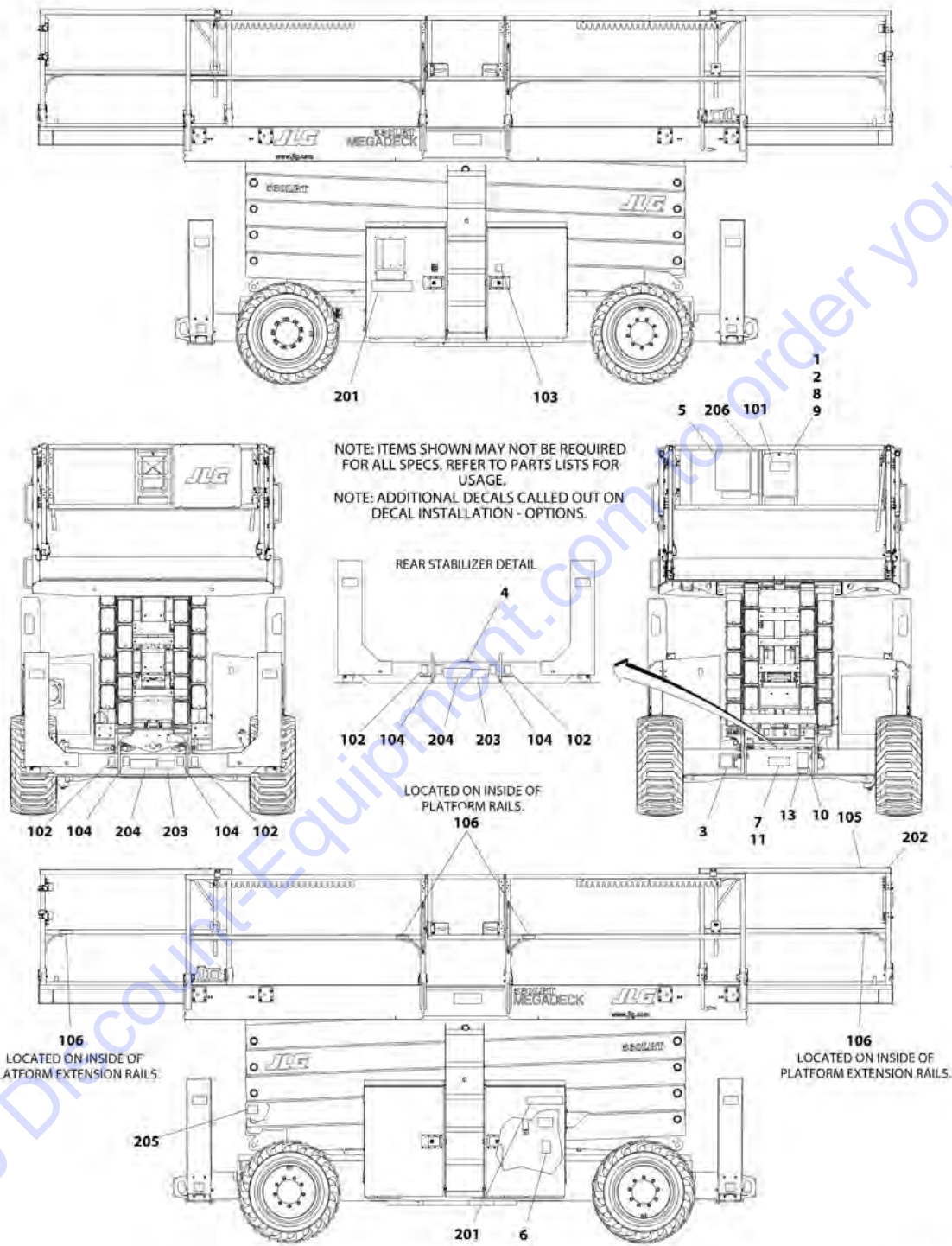
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SECTION 9 - DECALS

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SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)



ART 100118760A

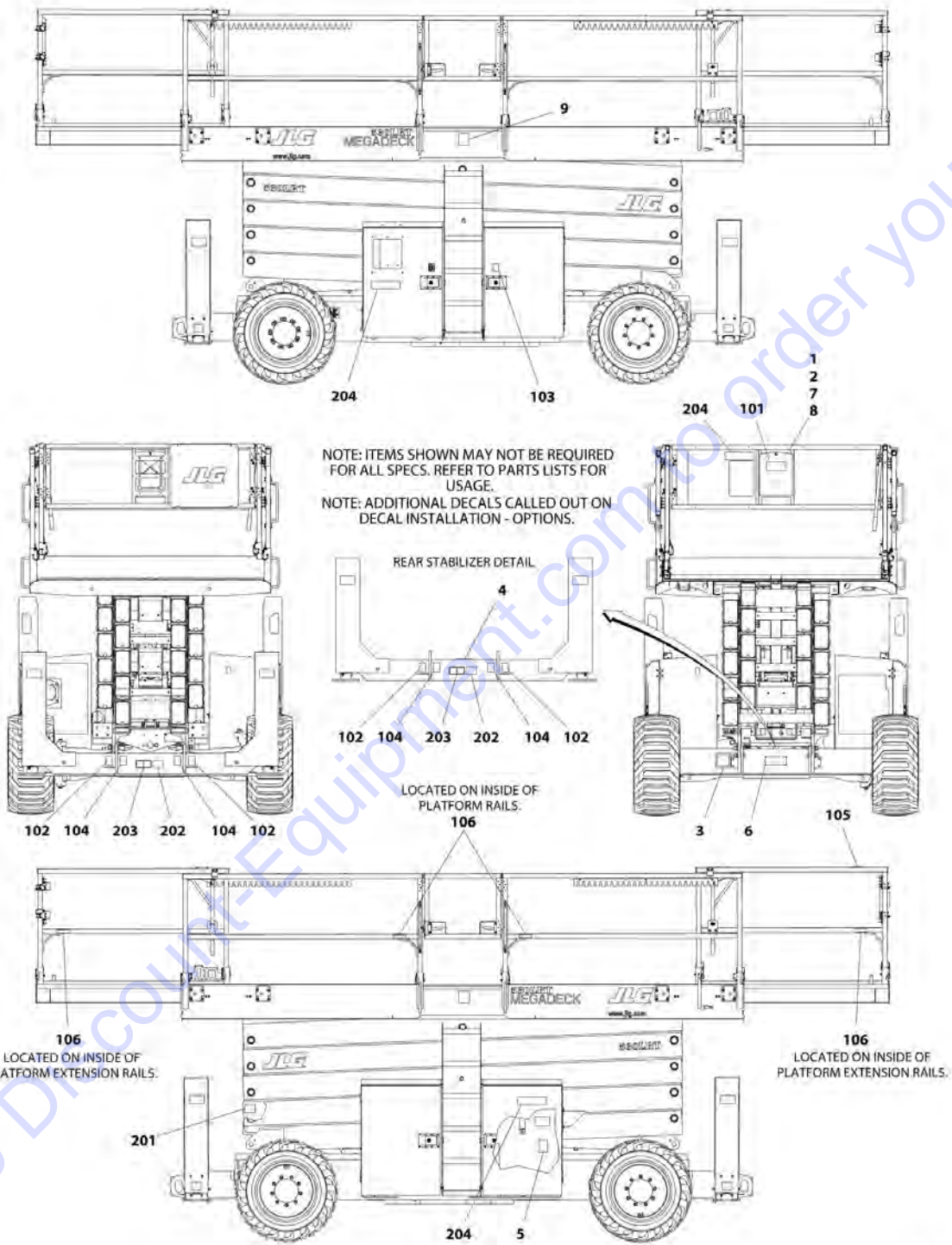
SECTION 9 - DECALS

FIGURE 9-1. DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187668	Ref	DECAL INSTALLATION - ANSI AND ANSI EXPORT SPECS (ENGLISH)	C
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt, M6 X 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1703816	1	Decal - Danger/Warning	
6	1704412	1	Decal - Hydraulic Oil	
7	2080057	4	Fastener	
8	3290605	4	Nut, Lock M6	
9	4811700	8	Washer, M6	
10	1001131270	1	Decal - Patent	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
13	1001223453	1	Decal - ICES	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1703818	1	Decal - Danger Electrocution/Warning Crushing	
202	1703821	1	Decal - Control Box Location	
203	1703823	1	Decal - Danger/Electrocution Hazard	
204	1704432	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001192853	1	Decal - Legend	

SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN AND JAPANESE SPECS



ART 1007203770

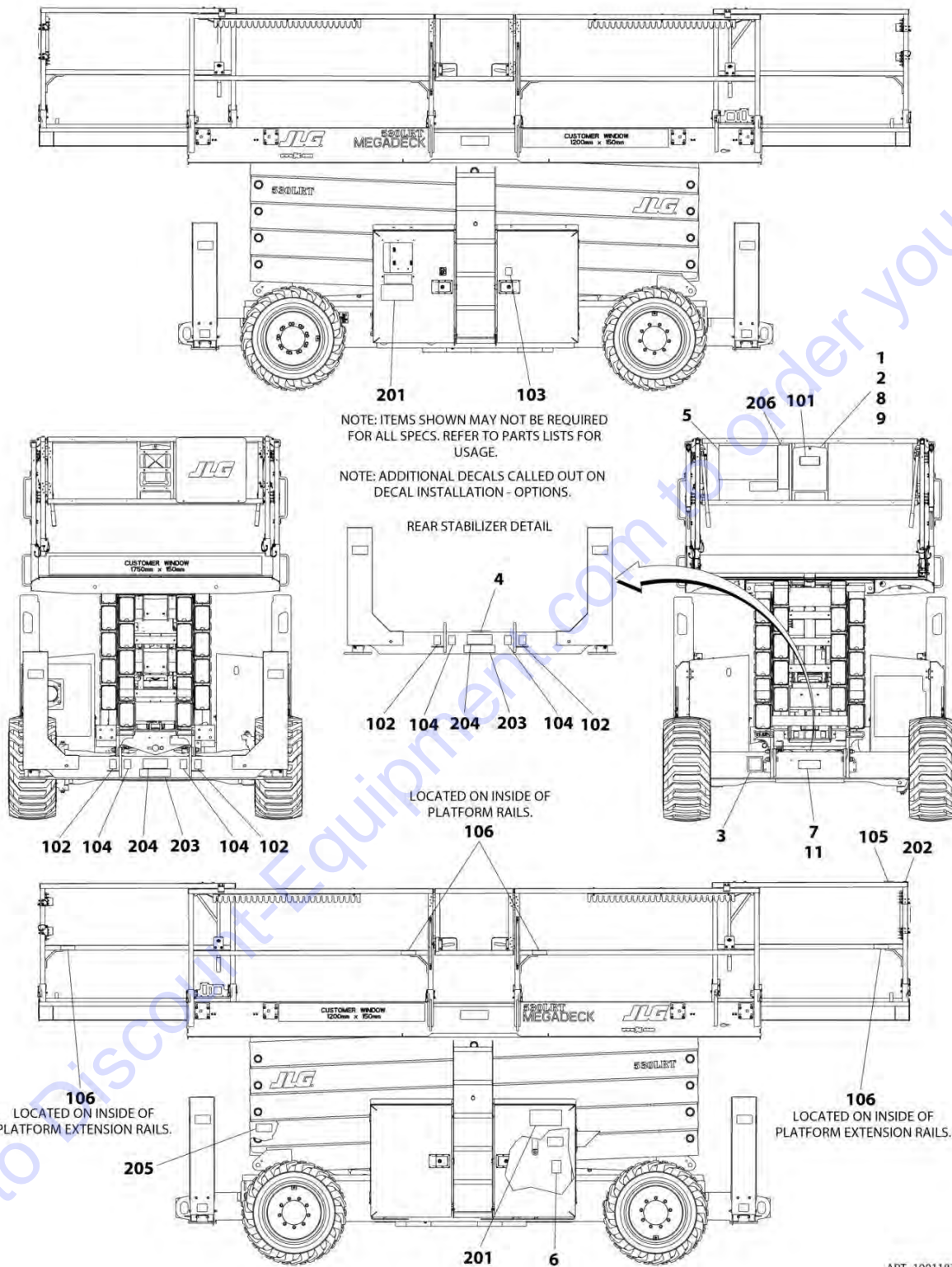
SECTION 9 - DECALS

FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN AND JAPANESE SPECS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001203770	Ref	DECAL INSTALLATION - AUSTRALIAN AND JAPANESE SPECS	C
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt, M6 X 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1704412	1	Decal - Hydraulic Oil	
6	2080057	4	Fastener	
7	3290605	4	Nut, Lock M6	
8	4811700	8	Washer, M6	
9	1001191526	2	Decal - Sound Power Level	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1705019	1	Decal - Safety Prop	
202	1705372	1	Decal - Head Crushing	
203	1705671	1	Decal - Electrocutation	
204	1706338	1	Decal - Electrocutation/Crushing	

SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPECS (SPANISH/PORTUGUESE)



ART_1001187673

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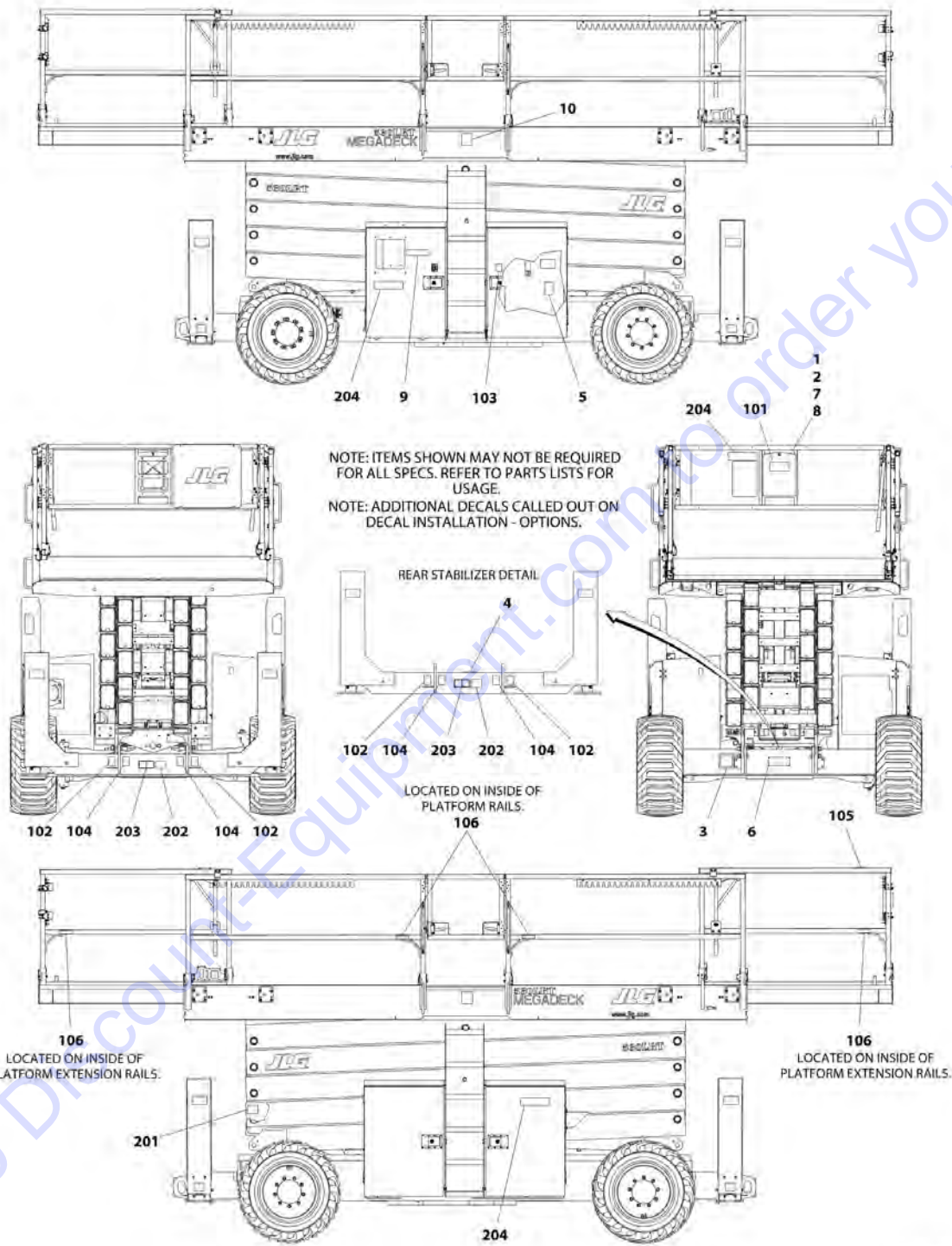
SECTION 9 - DECALS

FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPECS (SPANISH/PORTUGUESE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187673	Ref	DECAL INSTALLATION - BRAZIL SPECS (SPANISH/PORTUGUESE)	A
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt M6 x 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1704699	1	Decal - Danger/Warning	
6	1704412	1	Decal - Hydraulic Oil	
7	2080057	4	Fastener	
8	3290605	4	Nut M6	
9	4811700	8	Washer M6	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1704701	1	Decal - Danger Electrocution/Warning Crushing	
202	1704702	1	Decal - Control Box Location	
203	1705043	1	Decal - Danger/Electrocution Hazard	
204	1705318	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001203077	1	Decal - Legend	

SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE SPEC



ART 1001167670

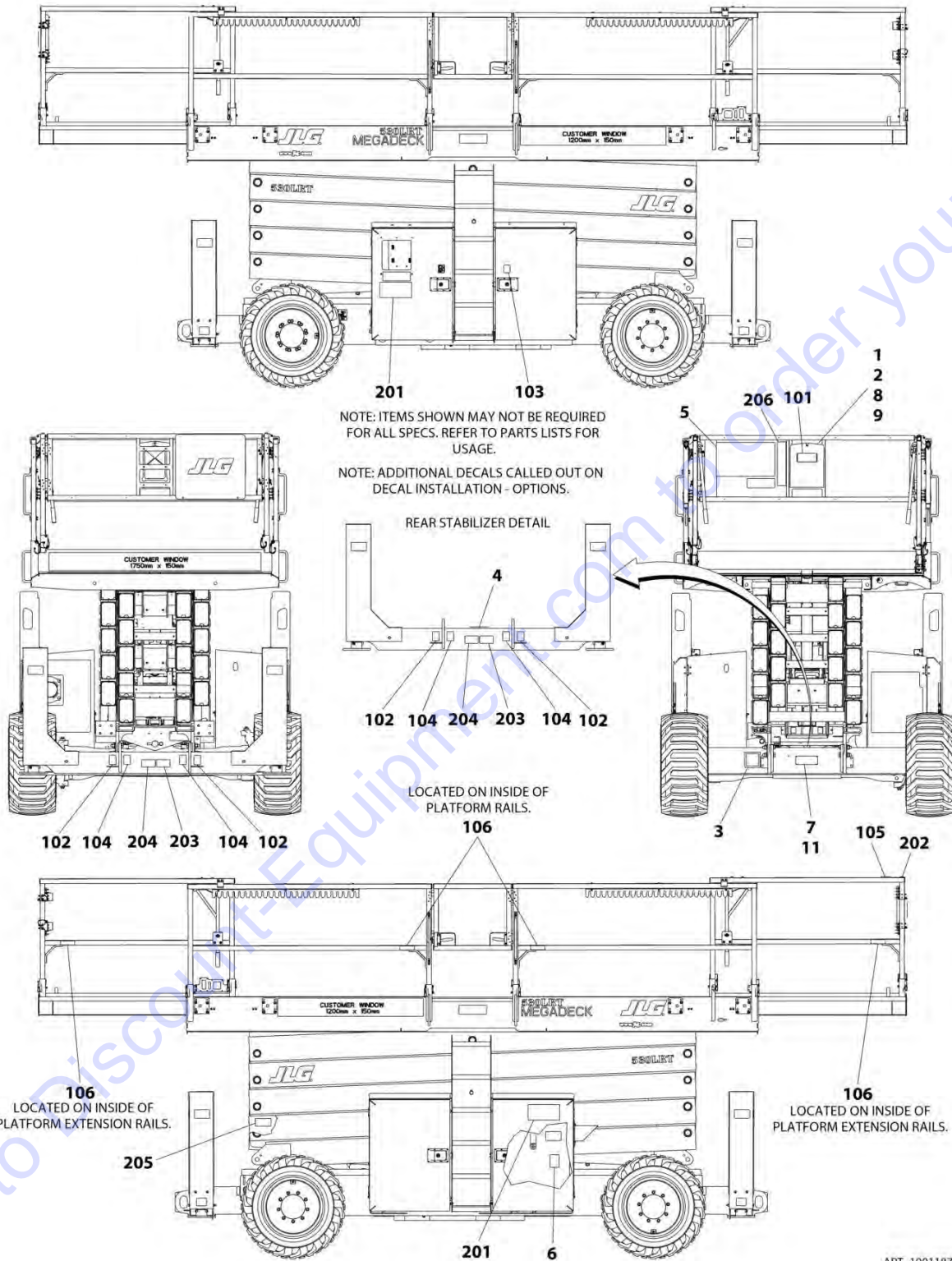
SECTION 9 - DECALS

FIGURE 9-4. DECAL INSTALLATION - CE SPEC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187670	Ref	DECAL INSTALLATION - CE SPEC	E
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt, M6 X 20	
2	0860520	1	Box, Manual Storage	
3	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1704412	1	Decal - Hydraulic Oil	
6	2080057	4	Fastener	
7	3290605	4	Nut, Lock M6	
8	4811700	8	Washer, M6	
9	1001197634	1	Decal - MSSO Operation	
10	80463053	2	Decal - Sound Power Level	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lugs	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1705019	1	Decal - Safety Prop	
202	1705372	1	Decal - Head Crushing	
203	1705671	1	Decal - Electrocution	
204	1706338	1	Decal - Electrocution/Crushing	

SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (ENGLISH/CHINESE)



ART_1001187671

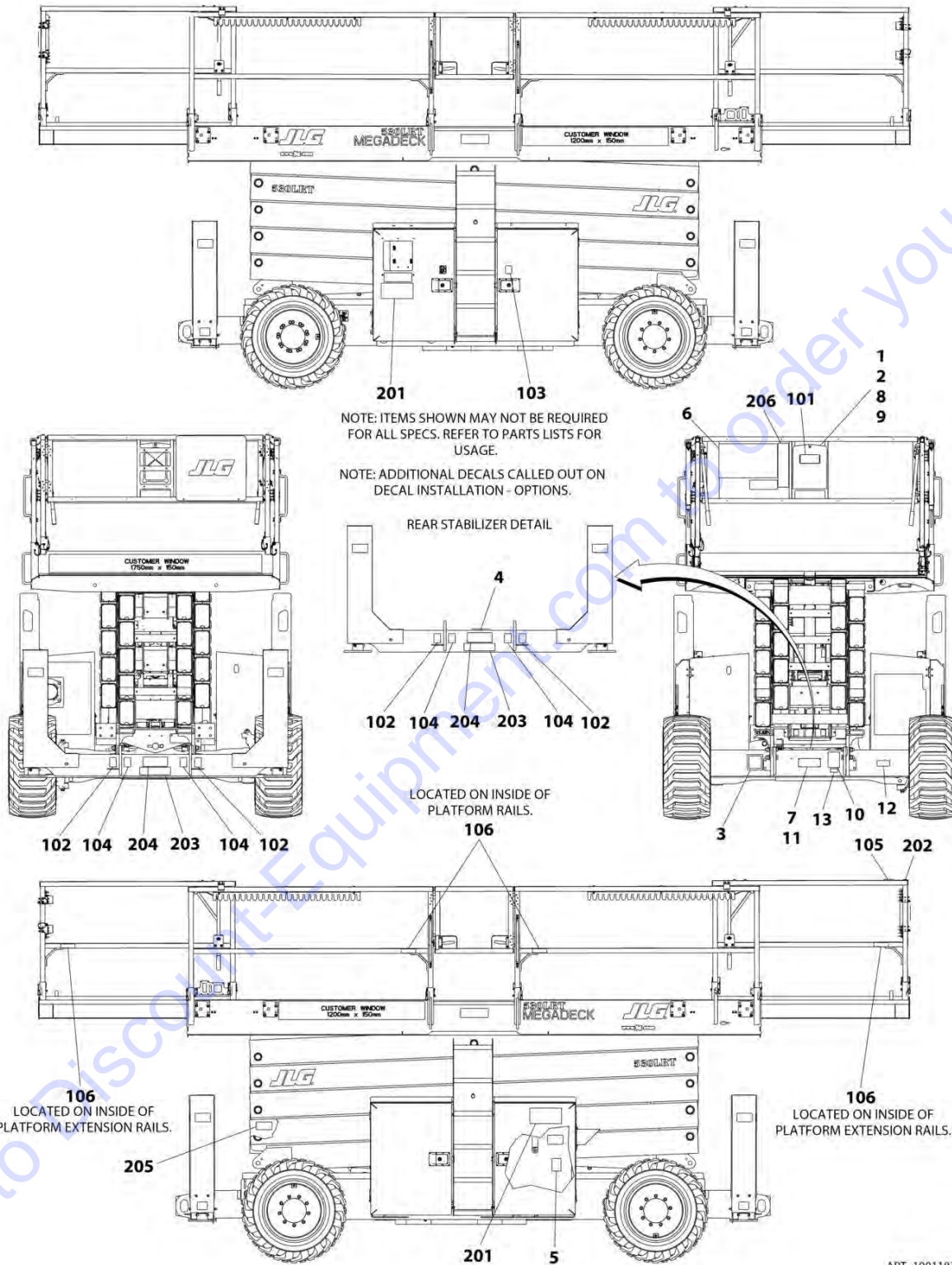
SECTION 9 - DECALS

FIGURE 9-5. DECAL INSTALLATION - CHINESE SPECS (ENGLISH/CHINESE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187671	Ref	DECAL INSTALLATION - CHINESE SPECS (ENGLISH/CHINESE)	A
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt M6 x 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1705195	1	Decal - Danger/Warning	
6	1704412	1	Decal - Hydraulic Oil	
7	2080057	4	Fastener	
8	3290605	4	Nut M6	
9	4811700	8	Washer M6	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1705193	1	Decal - Danger Electrocution/Warning Crushing	
202	1705194	1	Decal - Control Box Location	
203	1705944	1	Decal - Danger/Electrocution Hazard	
204	1705943	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001192853	1	Decal - Legend	

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FIGURE 9-6. DECAL INSTALLATION - CSA (ENGLISH/FRENCH)



ART_1001187669

SECTION 9 - DECALS

FIGURE 9-6. DECAL INSTALLATION - CSA (ENGLISH/FRENCH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187669	Ref	DECAL INSTALLATION - CSA (ENGLISH/FRENCH)	C
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt M6 x 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1704412	1	Decal - Hydraulic Oil	
6	1704684	1	Decal - Danger/Warning	
7	2080057	4	Fastener	
8	3290605	4	Nut M6	
9	4811700	8	Washer M6	
10	1001131270	1	Decal - Patent	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
12	1705303	1	Decal - CSA	
13	1001223453	1	Decal - ICES	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1704686	1	Decal - Danger Electrocution/Warning Crushing	
202	1704687	1	Decal - Control Box Location	
203	1705040	1	Decal - Danger/Electrocution Hazard	
204	1705311	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001203075	1	Decal - Legend	

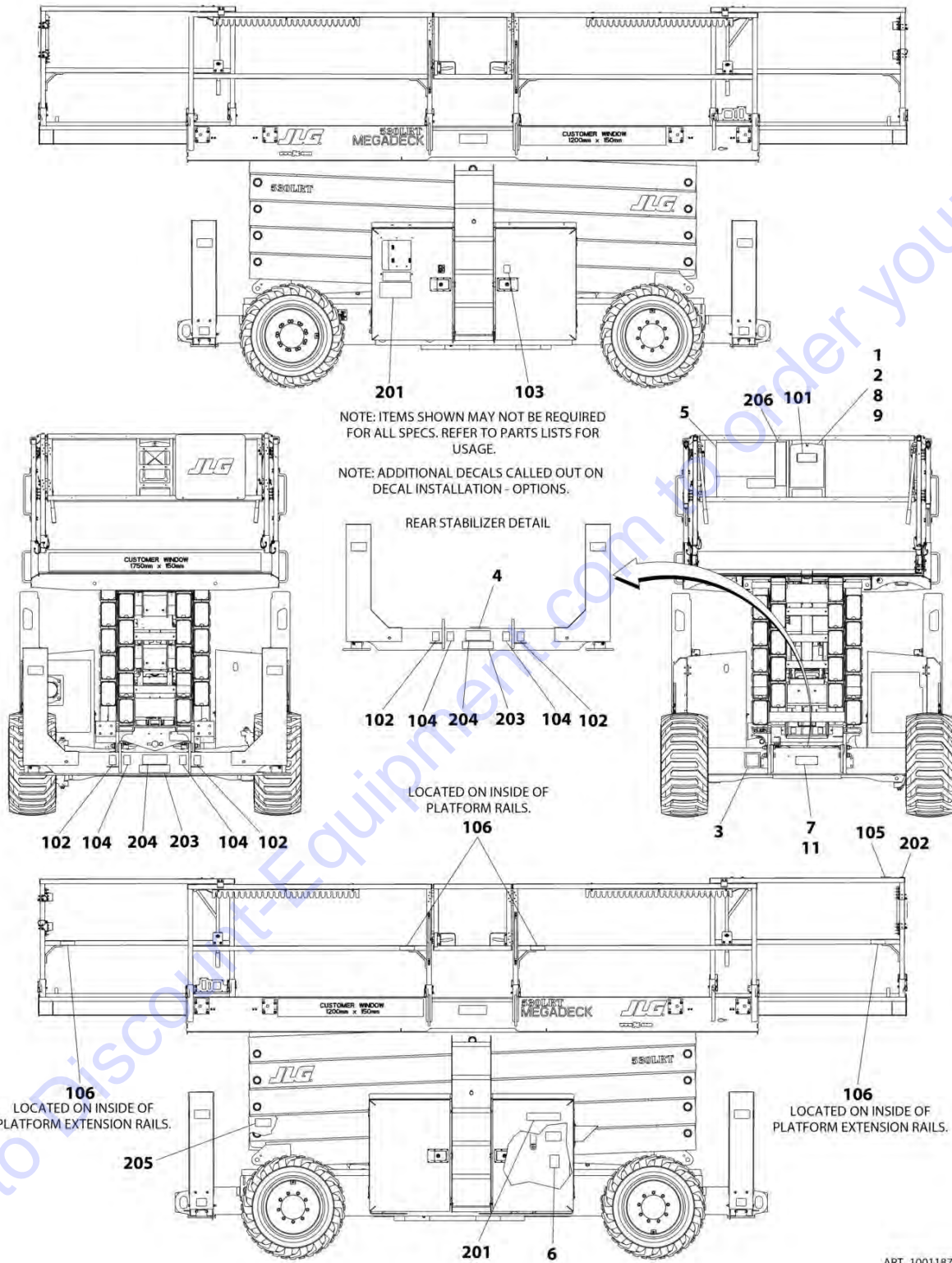
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FIGURE 9-7. DECAL INSTALLATION - KOREAN SPECS (ENGLISH/KOREAN)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215449	Ref	DECAL INSTALLATION - KOREAN SPECS (ENGLISH/KOREAN)	A
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt, M6 X 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1001162115	1	Decal - Danger/Warning	
6	1704412	1	Decal - Hydraulic Oil	
7	2080057	4	Fastener	
8	3290605	4	Nut, Lock M6	
9	4811700	8	Washer, M6	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1001162111	1	Decal - Danger Electrocution/Warning Crushing	
202	1001162112	1	Decal - Control Box Location	
203	1001162114	1	Decal - Danger/Electrocution Hazard	
204	1001162113	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001162110	1	Decal - Legend	

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FIGURE 9-8. ECAL INSTALLATION - LATIN AMERICAN SPECS (ENGLISH/SPANISH)



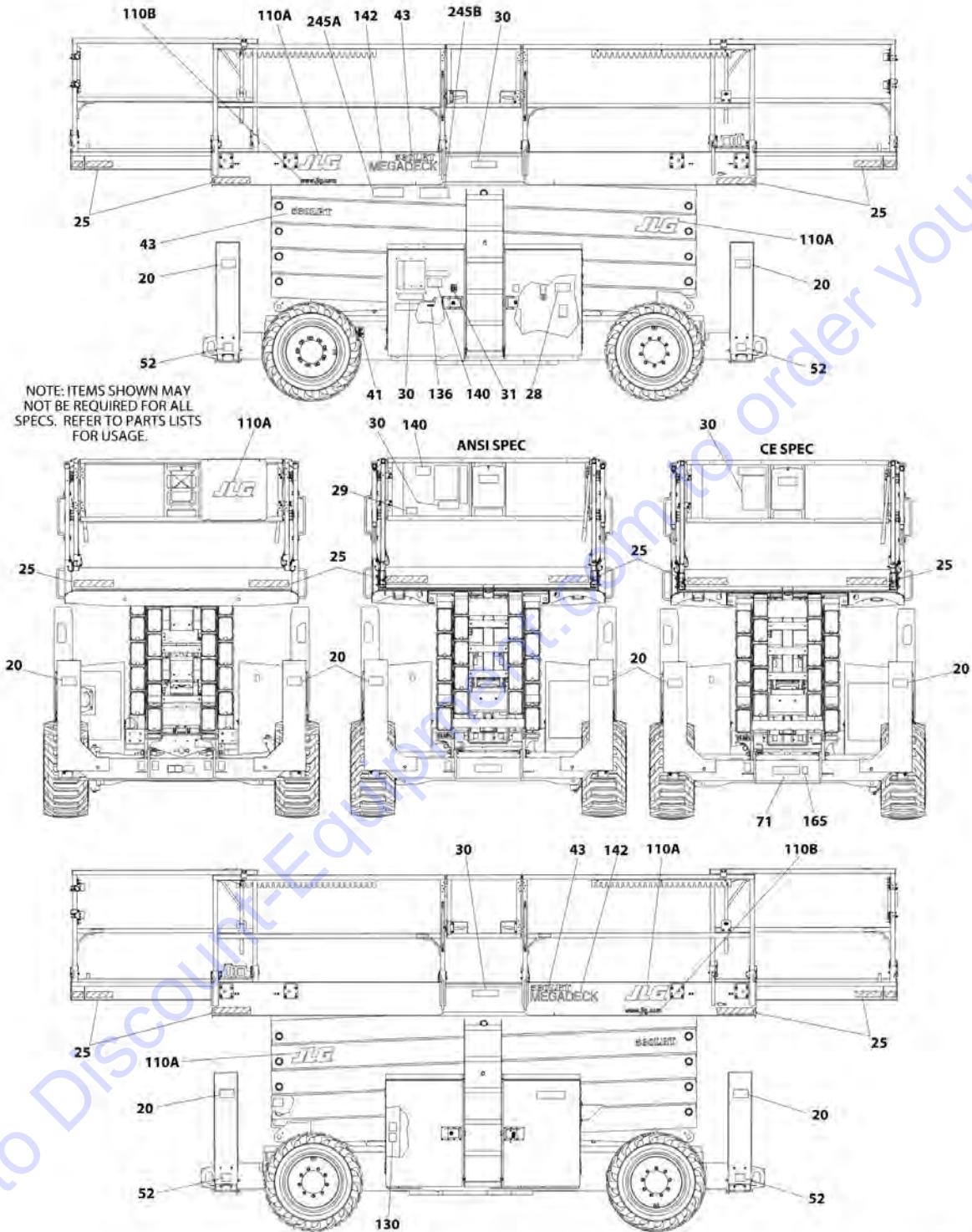
SECTION 9 - DECALS

FIGURE 9-8. ECAL INSTALLATION - LATIN AMERICAN SPECS (ENGLISH/SPANISH)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187672	Ref	DECAL INSTALLATION - LATIN AMERICAN SPECS (ENGLISH/SPANISH)	A
		Ref	Note: See DECAL INSTALLATION - OPTIONS for additional decals.	
1	0760610	4	Bolt M6 x 20	
2	0860520	1	Box, Manual Storage	
3	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
4	1703687	2	Decal - Directional Arrow	
5	1704691	1	Decal - Danger/Warning	
6	1704412	1	Decal - Hydraulic Oil	
7	2080057	4	Fastener	
8	3290605	4	Nut M6	
9	4811700	8	Washer M6	
11	See Note	NSS	Decal - Manufacturers Serial Number (Note: Not Available for Purchase)	
101	1701509	1	Decal - Manual	
102	1703811	1	Decal - Lifting Lug	
103	1703812	1	Decal - Hydraulic Oil	
104	1703814	1	Decal - Tie Down	
105	1703819	1	Decal - Directional Arrow	
106	1704277	1	Decal - Lanyard Attach	
201	1704693	1	Decal - Danger Electrocution/Warning Crushing	
202	1704694	1	Decal - Control Box Location	
203	1705041	1	Decal - Danger/Electrocution Hazard	
204	1705316	1	Decal - Warning Crushing	
205	1705019	1	Decal - Safety Prop	
206	1001203076	1	Decal - Legend	

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION - OPTIONS



ART_DECAL_OPTIONS

SECTION 9 - DECALS

FIGURE 9-9. DECAL INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATION - REFERENCE CHART	
	1001182000	Ref	DECAL INSTALLATION - OPTIONS	
20	1701214	8	Decal - Outrigger Warning (ANSI, ANSI Export and CSA Specs) (English)	
20	1701785	8	Decal - Outrigger Warning (Australian and CE Specs) (English)	
20	1704698	8	Decal - Outrigger Warning (Brazilian Spec) (Spanish/Portuguese)	
20	1704690	8	Decal - Outrigger Warning (CSA Specs) (English/French)	
20	1001215447	8	Decal - Outrigger Warning (Korean Specs) (English/Korean)	
20	1704697	8	Decal - Outrigger Warning (Latin American Spec) (English/Spanish)	
25	1001187701	Ref	Decal - Warning Stripes Installation (Single Deck Extension)	A
25	1001192381	Ref	Decal - Warning Stripes Installation (Dual Deck Extension)	A
25	4420051	10 ft/ 3.1m	Tape, Safety (Single Deck Extension)	
25	4420051	12 ft/ 3.7m	Tape, Safety (Dual Deck Extension)	
28	1702788	1	Decal - Biodegradable Hydraulic Fluid (All Specs Except ANSI Export and Japanese Specs)	
28	1704174	1	Decal - Synthetic Biodegradable Hydraulic Fluid (All Specs Except ANSI Export and Japanese Specs)	
28	1703479	1	Decal - Biodegradable Hydraulic Fluid (German Specs)	
28	1704175	1	Decal - Synthetic Biodegradable Hydraulic Fluid (German Specs)	
29	1001231801	1	Decal - Warning Prop 65 (Diesel) (ANSI Specs)	
29	1001236338	NLA	Decal - Warning Prop 65 (Gas) (ANSI Specs) (Use p/n 1001231801) (SN E200000676 through E200000715)	
29	1001231801	1	Decal - Warning Prop 65 (ANSI Specs) (SN E200000716 to Present)	
30	1001202973	4	Decal - Capacity 1500lbs/680kg (With Single Deck Extension) (All Specs Except Australian and CE Specs)	
30	1001202974	1	Decal - Capacity 680kg (With Single Deck Extension) (Australian and CE Specs)	
30	1001191732	4	Decal - Capacity 1500lbs/680kg (With Dual Deck Extension) (All Specs Except Australian and CE Specs)	
30	1001191733	1	Decal - Capacity 680kg (With Dual Deck Extension) (Australian and CE Specs)	
31	1701505	1	Decal - Fuel (Diesel)	
31	1701542	1	Decal - Fuel (Dual Fuel)	
41	1700818	1	Decal - LP Gas (ANSI, ANSI Export and CSA Specs) (English)	
41	1702720	1	Decal - LP Gas (ANSI Export Specs) (Spanish)	
41	1704271	1	Decal - LP Gas (CSA Spec) (English/French)	
43	1001200543	4	Decal - Model 530LRT	
52	1001191735	4	Decal - Max Tire load	
71	See Note	NSS	Nameplate - Manufacturer Serial Number (Australian, CE and Japanese Specs) (Note: Not Available for Purchase)	
110	1001220567	Ref	JLG Logo Decal Installation	A
110A	1702773	5	Decal - JLG	
110B	1704885	2	Decal - Website	
130	1704972	1	Decal - Warning Explosion/Fire (English) (ANSI Specs)	
130	1706098	1	Decal - Warning Explosion/Fire (Pictogram) (Australian, CE and Japanese Spec)	
130	1706059	1	Decal - Warning Explosion/Fire (English/Portuguese) (Brazil Specs)	
130	1706060	1	Decal - Warning Explosion/Fire (English/Chinese) (China Specs)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
130	1706064	1	Decal - Warning Explosion/Fire (English/French) (CSA Specs)	
130	1706063	1	Decal - Warning Explosion/Fire (English/Spanish) (Latin American Specs)	
136	1001125387	1	Decal - Ultra Low Sulfur Fuel (ANSI, CSA and Japanese Specs) (Kubota T4F Only)	
136	1001139654	1	Decal - Ultra Low Sulfur Fuel (CE Specs) (ISO)	
140	1001112548	Ref	Hearing Loss Decal Installation (ANSI Specs)	B
140	1706837	2	Decal- Hearing Loss	
142	1001142595	2	Decal - Megadeck	
156	1001214029	Ref	EAC Decal Installation (Russian/CIS Specs)	A
156	1001173703	1	Decal - EAC	
245	1001229700	Ref	Decal - ClearSky Telematics Installation	
245A	1001116208	1	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency Device	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

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SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 10-1. RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, go to Discount-equipment.com	
		Ref	STANDARD PARTS	
	4360070	1	Breaker, Circuit 15Amp	
	70002113	1	Breather, Hydraulic Tank	
	70050516	1	Coil	
	70002963	1	Coil	
	70001965	1	Coil	
	70001967	1	Coil	
	70001977	1	Coil	
	1600402	1	Controller Assembly	
	70010383	1	Element, Charge Filter	
	70001960	4	Element, Return Filter	
	2860030	1	Key, Replacement	
	3740080	1	Relay	
	4360475	1	Switch, Emergency Stop	
	4360387	1	Switch, Push Button	
	4360328	1	Switch, Toggle	
		Ref	VARIABLE PARTS	
	1001181045	1	Breaker, 30mA/16Amp (CE Spec Machines)	
	1001159118	1	Breaker, GFCI 30A - 240V (Machines with Receptacle Assembly)	
	4360070	1	Breaker, Circuit - 15Amp (Machines with Generator)	
	7015004	12	Element, Air Cleaner (Kubota Engines)	
	70005296	1	Element, Fuel/Water Separator	
	1001119276	1	Fuse, 60 Amp (Kubota Gasoline Machines)	
	2940074	1	Latch	
	1001182481	1	Module, Control (Kubota Engines)	
	1001234735	1	Module, Ground Control	
	1001235098	1	Module, Platform Control	
	1001187857	1	Sensor, Dual Axis (Arm Guards)	
	4360469	1	Switch, Key	
	4360548	1	Switch, Limit (Leveling Jacks)	
	4360502	1	Switch, Proximity Sensor	
	4360500	1	Switch, Rotary Angle Sensor	
	4360482	1	Switch, Toggle (Machines with Generator)	
	1001234736	1	Module, Control - Hydraulics	
	1600387	1	Module, Control - LSS	

SECTION 11 - SPECIAL OPTIONS

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SECTION 11 - SPECIAL OPTIONS

FIGURE 11-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information go to Discount-equipment.com	
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1001181468	Ref	Airline Installation	
	1001215967	Ref	Airline Add-on Kit	
	1001247365	Ref	Arm Stack Sensor Replacement Kit	
	1001234565	Ref	Cable Routing Kit	
		Ref	ClearSky Telematic Installation (Factory Installed) Options:	
	1001236021	Ref	ClearSky Canbus Connection (ANSI & CSA Specs)	
	1001236869	Ref	ClearSky Canbus Connection (ANSI Export & CE Specs)	
	1001246528	Ref	ClearSky Canbus Connection (Australian Spec)	
	1001246529	Ref	ClearSky Canbus Connection (Chinese Spec)	
	1001229107	Ref	ClearSky 3 Wire Connection (ANSI and CSA Specs)	
	1001233237	Ref	ClearSky 3 Wire Connection (ANSI Export and CE Specs)	
		Ref	ClearSky Telematic Add-on Kit (Dealer Installed) Options:	
	1001237254	Ref	ClearSky Canbus Connection (ANSI & CSA Specs)	
	1001237255	Ref	ClearSky Canbus Connection (ANSI Export & CE Specs)	
	1001230504	Ref	ClearSky 3 Wire Connection (ANSI and CSA Specs)	
	1001234102	Ref	ClearSky 3 Wire Connection (ANSI Export and CE Specs)	
	1001177763	Ref	Cold Weather Package - 120V (Diesel Engine)	
	1001215968	Ref	Cold Weather Package Add-on Kit - 120V (Diesel Engine)	
	1001206739	Ref	Cold Weather Package - 120V (Gas Engine)	
	1001216866	Ref	Cold Weather Package Add-on Kit - 120V (Gas Engine)	
	1001188785	Ref	Cold Weather Package - 240V (Diesel Engine)	
	1001215969	Ref	Cold Weather Package Add-on Kit - 240V (Diesel Engine)	
	1001191737	Ref	Container Shipment Preparation	
		Ref	Decal Options:	
	1001229700	Ref	Decal - Clear Sky Installation	
		Ref	Decal Kits:	
	1001194829	Ref	Decal Kit - Country Spec (ANSI Spec)	
	1001194831	Ref	Decal Kit - Country Spec (Australian, CE and Japanese Specs)	
	1001194834	Ref	Decal Kit - Country Spec (Brazil Specs)	
	1001214131	Ref	Decal Kit - Country Spec (Chinese Specs)	
	1001194830	Ref	Decal Kit - Country Spec (CSA Specs)	
	1001162116	Ref	Decal Kit - Country Spec (Korean Specs)	
	1001203076	Ref	Decal Kit - Country Spec (Latin American Specs)	
	1001193323	Ref	Decal Kit - Master (Standard Decal)	
	1001233631	Ref	Door Bumpers Kit	
	1001233818	Ref	Door Retention Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Electrical Connector Kit - Amp/Tyco Electrical Connectors	
	1001148903	Ref	Electrical Connector Kit - Deutsch DT Electrical Connectors	
	1001148904	Ref	Electrical Connector Kit - Deutsch HD Electrical Connectors	
	1001148905	Ref	Electrical Connector Kit - Packard Electrical Connectors	
	1001148906	Ref	Electrical Connector Kit - Various Electrical Connectors	
	1001218620	Ref	Fliter Kit (Diesel Engines)	
	1001186539	Ref	Fire Extinguisher Installation	
	1001233321	Ref	Footswitch Installation (Korean Specs Only)	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234575	Ref	Footswitch Add-on Kit (Korean Specs Only)	
	1001202749	Ref	Fuel Cap Cover Installation (Black) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001191395	Ref	Fuel Cap Cover Installation (Green) (Diesel Machines) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001191394	Ref	Fuel Cap Cover Installation (Red) (Gas Machines) (Note: Lock p/n 1001102157 must be Purchased Separately)	
	1001234904	Ref	Fuselink Kit	
		Ref	Generator Add-on Kit Options:	
	1001215964	Ref	Generator Kit - 4000W 50Hz (Diesel Engines)	
	1001215962	Ref	Generator Kit - 4000W 60Hz (Diesel Engines)	
	1001215963	Ref	Generator Kit - 4000W 60Hz (Gas Engines)	
	1001215961	Ref	Generator Kit - 7500W SkyPower 50Hz (Diesel Engines)	
	1001215959	Ref	Generator Kit - 7500W SkyPower 60Hz (Diesel Engines)	
	1001215960	Ref	Generator Kit - 7500W SkyPower 60Hz (Gas Engines)	
	1001110509	Ref	Ground Control Box Cover Installation	
	1001187700	Ref	Headlights and Taillights Installation	
	1001215971	Ref	Headlights and Taillights Add-on Kit	
	See Note	Ref	Hydraulic Fluid Options:	
	2300039	Ref	Hydraulic Fluid - Exxon Univis HVI 26	
	2300014	Ref	Hydraulic Fluid - Mobil #424	
	2300016	Ref	Hydraulic Fluid - Mobil DTE 10 Excel 32 (was DTE 13)	
	2300027	Ref	Hydraulic Fluid - Mobil EAL 224H Bio	
	2300029	Ref	Hydraulic Fluid - Mobil EAL Envirosyn H46 Bio	
	1001238484	Ref	Material Tray Kit – Single Deck Extension	
	1001231858	Ref	Material Tray Kit – Dual and Mega Deck Extension	
	1001238487	Ref	Large Material Rack (Single Extension)	
	1001236785	Ref	Large Material Rack (Dual Extension)	
	1001236786	Ref	Large Material Rack (Mega Deck) (ANSI Export, CE, Japanese, and Chinese Specs)	
	2300021	Ref	Hydraulic Fluid - Union Carbide Ucon Hydrolube HP-5046D (Fire Resistant)	
	1001199441	Ref	Oil Cooler Installation	
	1001215972	Ref	Oil Cooler Add-on Kits	
	1001234258	Ref	Platform Bearing Spacers Kit	
	1001241633	Ref	Platform Console Box Cover Kit	
	1001197983	Ref	Platform Lanyard Attach Installation	
	1001187699	Ref	Platform Lights Installation - Flood Lights (Nite - Bright)	
	1001215966	Ref	Platform Lights Add-on Kit - Flood Lights	
	1001187698	Ref	Platform Lights Installation - Worklights	
	1001215965	Ref	Platform Lights Add-on Kit - Worklights	
	1001215970	Ref	Pipe Racks Add-on Kit	
	0274260	Ref	Platform Workstation Installation	
		Ref	Tools for Service	
	7002821	1	Crimper, Wire	
	7002823	1	Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets)	
	4460510	1	Pin Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460467	1	Pin Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7016654	1	Screwdriver, Magnetic	
	7002822	1	Screwdriver, Potentiometer	

SECTION 11 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7004275	1	Seal Tool 1in (For Cylinders)	
	7004276	1	Seal Tool 1-1/2in (For Cylinders)	
	7002828	1	Stripper, Wire	

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