Illustrated Parts Manual

Models
600S
660SJ

PVC
2201

P/N
31219931
July 17, 2023 - Rev D

ANSI

CE

UK CA

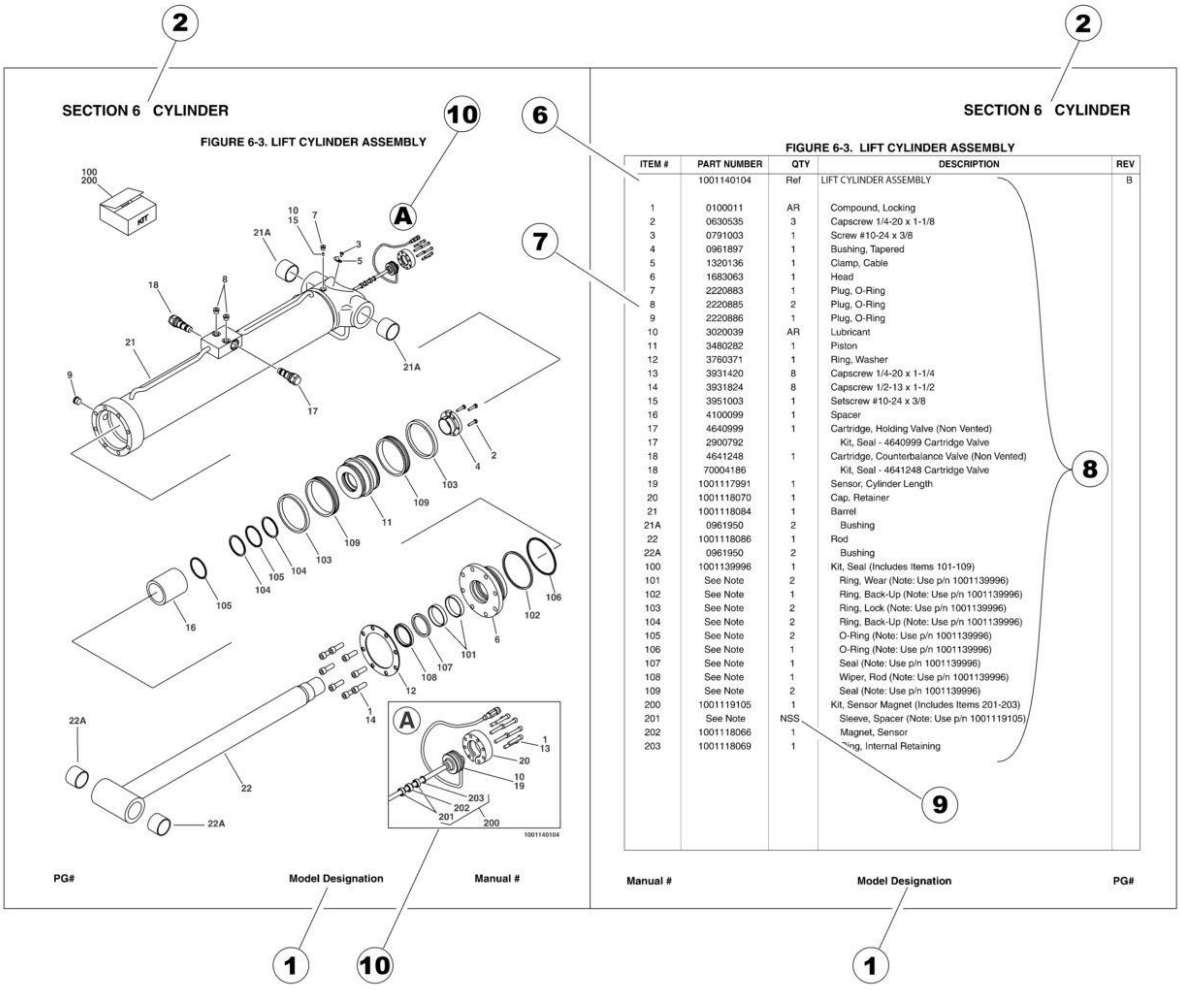
AS/NZS

An Oshkosh Corporation Company

REVISION LOG

January 10, 2022 - A - Original Issue of Manual (Edited to B/M 1001250516 Revision X)
July 11, 2022 - B - Revised Manual (Edited to B/M 1001250516 Revision AA)
January 9, 2023 - C - Revised Manual (Edited to B/M 1001250516 Revision AI)
July 17, 2023 - D - Revised Manual (Edited to B/M 1001250516 Revision AI)

GENERAL INFORMATION



ITEM #	PART NUMBER	QTY	DESCRIPTION	REV
	1001140104	Ref	LIFT CYLINDER ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0630535	3	Capscrew 1/4-20 x 1-1/8	
3	0791003	1	Screw #10-24 x 3/8	
4	0961897	1	Bushing, Tapered	
5	1320136	1	Clamp, Cable	
6	1683063	1	Head	
7	2220883	1	Plug, O-Ring	
8	2220885	2	Plug, O-Ring	
9	2220886	1	Plug, O-Ring	
10	3020039	AR	Lubricant	
11	3480282	1	Piston	
12	3760371	1	Ring, Washer	
13	3931420	8	Capscrew 1/4-20 x 1-1/4	
14	3931824	8	Capscrew 1/2-13 x 1-1/2	
15	3951003	1	Setscrew #10-24 x 3/8	
16	4100099	1	Spacer	
17	4640999	1	Cartridge, Holding Valve (Non Vented)	
17	2900792		Kit, Seal - 4640999 Cartridge Valve	
18	4641248	1	Cartridge, Counterbalance Valve (Non Vented)	
18	70004186		Kit, Seal - 4641248 Cartridge Valve	
19	1001117991	1	Sensor, Cylinder Length	
20	1001118070	1	Cap, Retainer	
21	1001118084	1	Barrel	
21A	0961950	2	Bushing	
22	1001118086	1	Rod	
22A	0961950	2	Bushing	
100	1001139996	1	Kit, Seal (Includes Items 101-109)	
101	See Note	2	Ring, Wear (Note: Use p/n 1001139996)	
102	See Note	1	Ring, Back-Up (Note: Use p/n 1001139996)	
103	See Note	2	Ring, Lock (Note: Use p/n 1001139996)	
104	See Note	2	Ring, Back-Up (Note: Use p/n 1001139996)	
105	See Note	2	O-Ring (Note: Use p/n 1001139996)	
106	See Note	1	O-Ring (Note: Use p/n 1001139996)	
107	See Note	1	Seal (Note: Use p/n 1001139996)	
108	See Note	1	Wiper, Rod (Note: Use p/n 1001139996)	
109	See Note	2	Seal (Note: Use p/n 1001139996)	
200	1001119105	1	Kit, Sensor Magnet (Includes Items 201-203)	
201	See Note	NSS	Sleeve, Spacer (Note: Use p/n 1001119105)	
202	1001118066	1	Magnet, Sensor	
203	1001118069	1	Ring, Internal Retaining	

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 (NOT SHOWN)
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 (NOT SHOWN)
The Recommended Spare Parts List, located near the end of the manual, reference most frequently used maintenance parts.

5) PART NUMBER INDEX (NOT SHOWN)
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) ABBREVIATION AND SYMBOLS

AC..... Alternating Current
ADE.....Advanced Design Electronics
AG.....Agricultural
ANSI.....American National Standards Institute
AR.....As Required
ASSY..... Assembly
AUS.....Australia
AUX.....Auxiliary
AWG.....American Wire Gauge
B/M.....Bill of Material
CAC.....Charge Air Cooler
CE.....European Conformity
CCW.....Counter Clockwise
CM.....Centimeter
CW.....Clockwise
CSA.....Canadian Standards Association
CYL.....Cylinder
DIA.....Diameter
DC.....Direct Current
DEF.....Diesel Exhaust Fliud
EMS..... Emergency Stop
ENG.....Engine
FT(ft) .....Feet
GA(Ga).....Gauge
HRC.....High Rated Countries
HVAC.....Heating, Ventilating, and Air Conditioning
HYD.....Hydraulic
Hz.....Hertz
ID.....Inside Diameter
IN.....inches
ISO.....International Organization for Standards
JIC.....Joint Industry Council
KG.....Kilogram
L.....Liter
LB(LBS).....Pounds
LCD..... Liquid Crystal Display
LED..... .Light Emitting Diodes
LH.....Left Hand
LRC.....Low Rated Countries
LSS.....Load Sensing System
M(m).....Metric/Meter
MM(mm).....Milimeter
mA.....Miliamps
NLA.....No Longer Available
NPT..... National Pipe Threads
NSS.....Not Sold Separately
OD.....Outside Diameter
ORB..... O-Ring Boss
ORFS.....O-Ring Face Seal
OZ (oz).....Ounces
PG.....Page
PN.....Part Number
QT(qt.). .....Quarts
QTY.....Quantity
REF.....Reference
REV.....Revision Level
RH.....Right Hand
SAE.....Society of Automotive Engineers
SN..... ..Serial Number
SPEC(S).....Specifications
T/T.....Turntable
UGM.....Universal Ground Module
V.....Volts
W.....Watts
#.....Number

10) ILLUSTRATION REFERANCE 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. Contact JLG Industries, Inc. for updated information.

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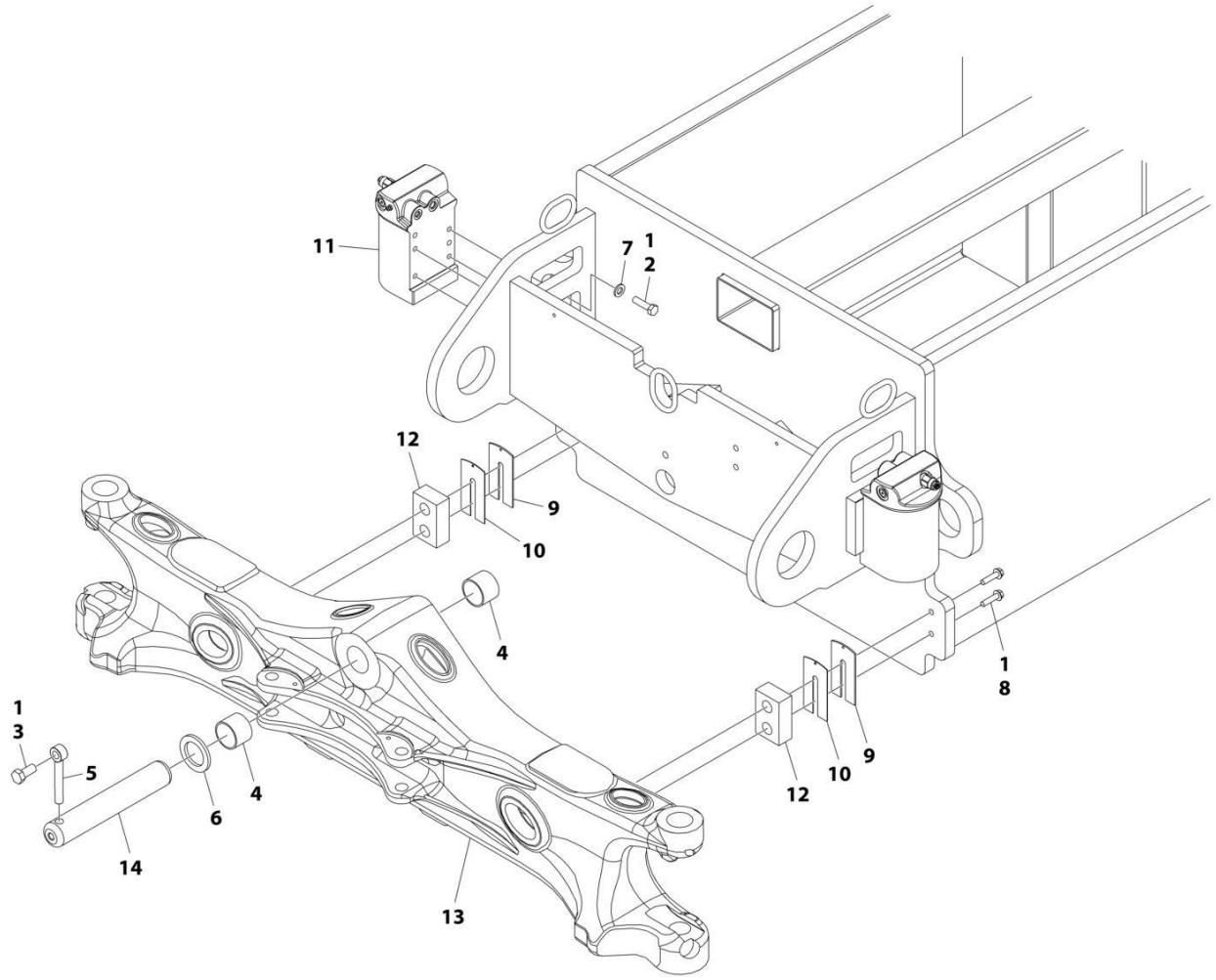


FIGURE 1-1. AXLE INSTALLATION - FRONT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181774	Ref	AXLE INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0701217	8	Bolt M12 x 45	
3	0761615	1	Bolt M16 x 35	
4	0961950	2	Bearing	
5	3841258	1	Keeper, Pin	
6	4740158	1	Washer	
7	5241200	8	Washer M12	
8	5251016	4	Bolt M10 x 40	
9	1001150324	2	Shim (3mm)	
10	1001150326	2	Shim (1.2mm)	
11	1001219040	2	Axle Lockout Cylinder (See Separate Breakdown in CYLINDER SECTION)	
12	1001166563	2	Pad, Wear	
13	1001184209	1	Axle	
14	1001185030	1	Pin	

FIGURE 1-2. AXLE INSTALLATION - REAR (4WS ONLY)

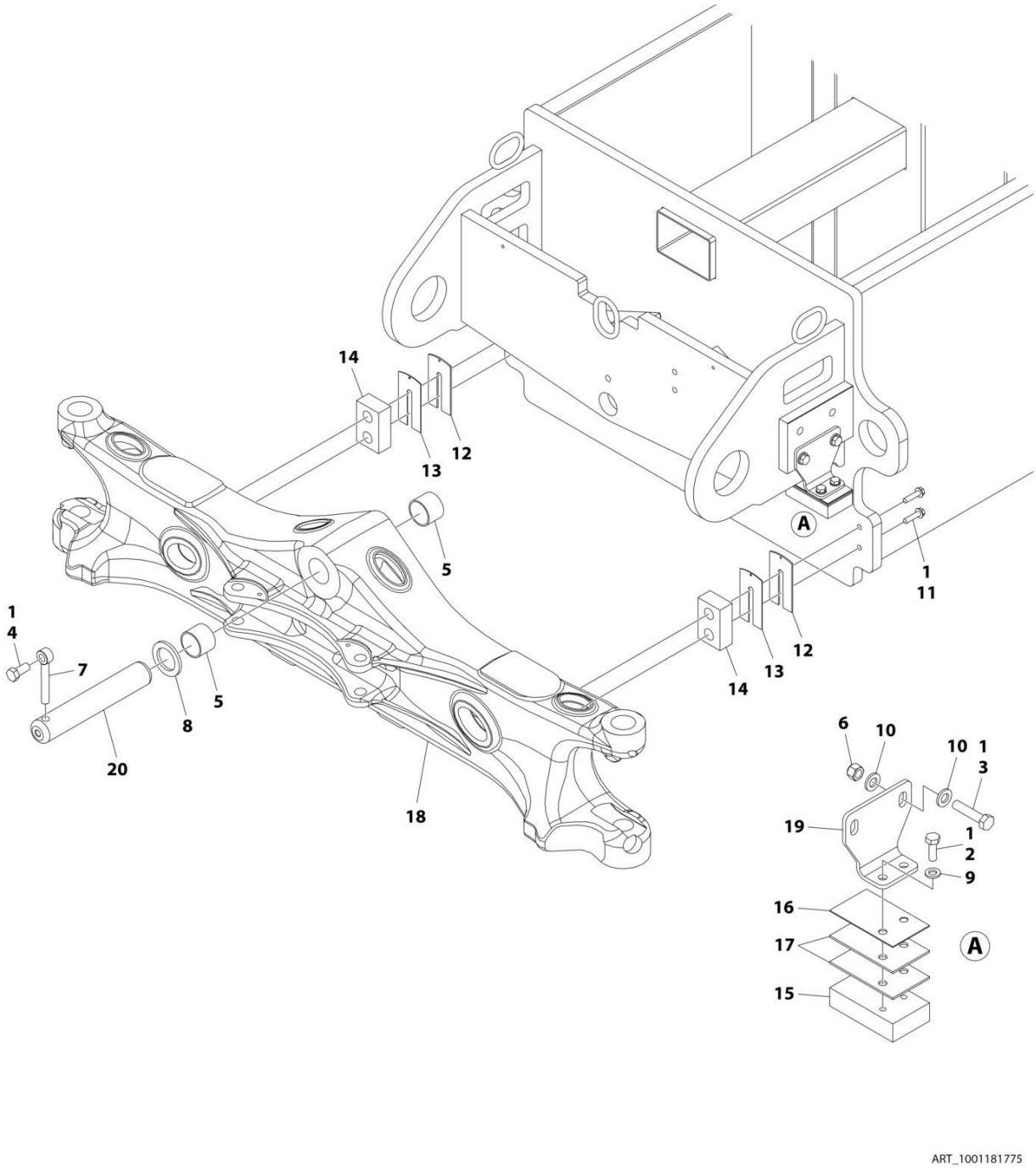
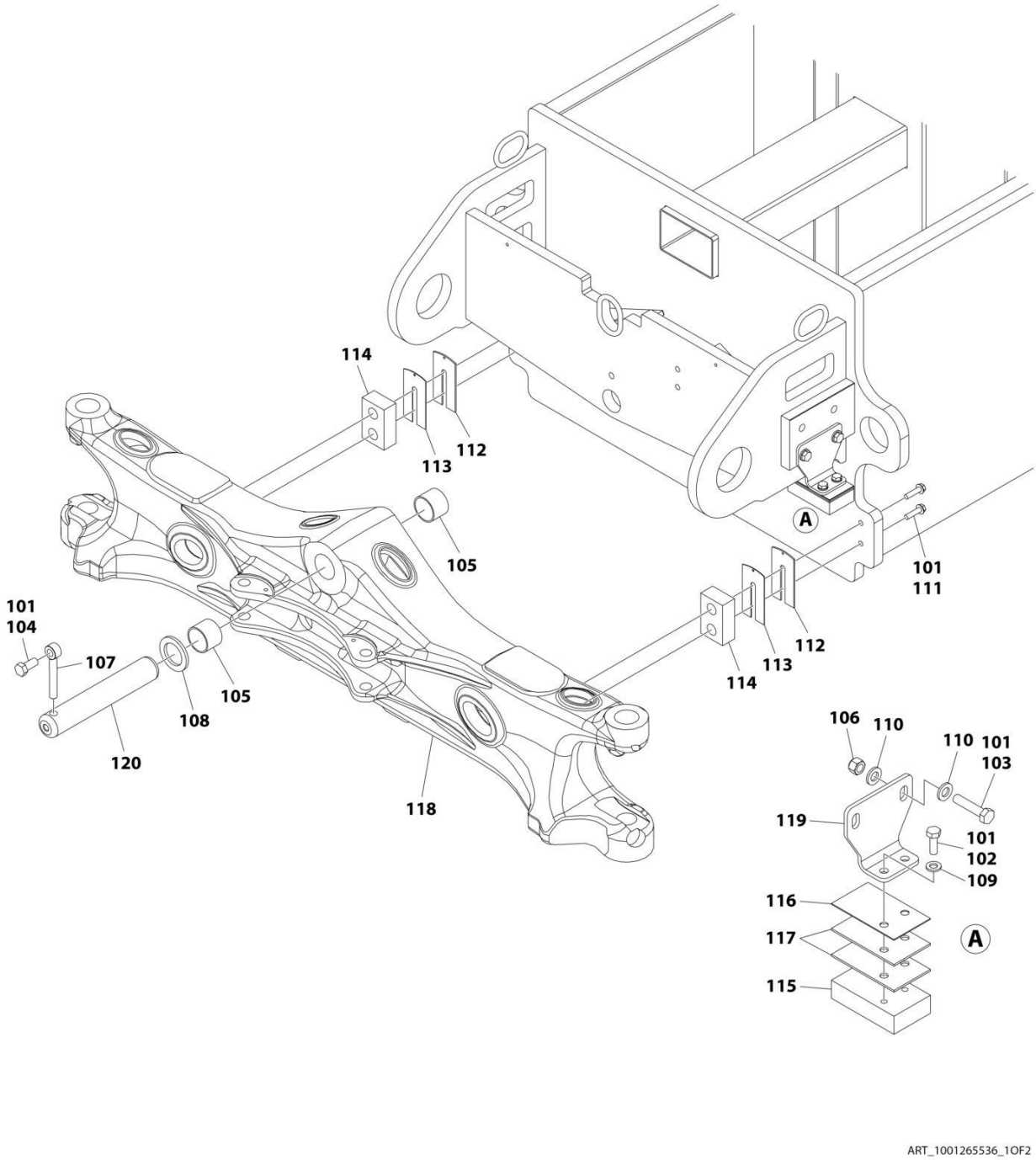
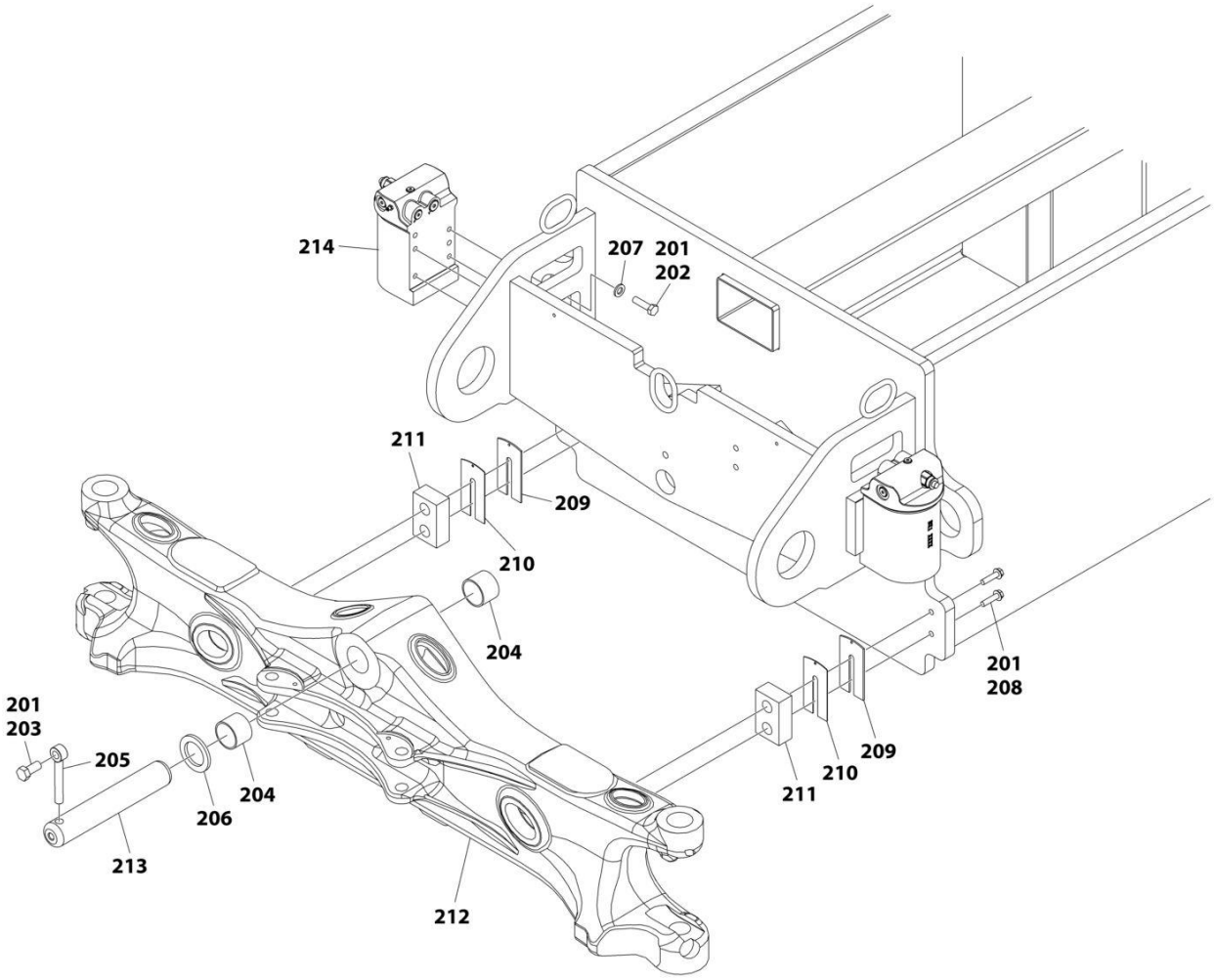


FIGURE 1-2. AXLE INSTALLATION - REAR (4WS ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181775	Ref	AXLE INSTALLATION	A
	1001184691	Ref	AXLE INSTALLATION - REAR	D
1	0100011	AR	Compound, Locking	
2	0701014	4	Bolt M10 x 30	
3	0701219	4	Bolt M12 x 55	
4	0761615	1	Bolt M16 x 35	
5	0961950	2	Bearing	
6	3291205	4	Nut M12	
7	3841258	1	Keeper, Pin	
8	4740158	1	Washer	
9	5241000	4	Washer M10	
10	5241200	8	Washer M12	
11	5251016	4	Bolt M10 x 40	
12	1001150324	2	Shim (3mm)	
13	1001150326	2	Shim (1.2mm)	
14	1001166563	2	Pad, Wear	
15	1001209431	2	Block, Stop	
16	1001180315	2	Shim (1.5mm)	
17	1001180316	4	Shim (3mm)	
18	1001184209	1	Axle	
19	1001184216	2	Bracket	
20	1001185030	1	Pin	

FIGURE 1-3. AXLE INSTALLATION





ART_1001265536_2OF2

FIGURE 1-3. AXLE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265536	Ref	AXLE INSTALLATION	A
1	1001184691	Ref	Axle Installation Rear (Not Shown) (See items 101-120 for Breakdown)	
2	1001265535	Ref	Axle Installation (2WS) (Not Shown) (See items 201-214 for Breakdown)	
	1001184691	1	AXLE INSTALLATION REAR	D
101	0100011	AR	Compound, Locking	
102	0701014	4	Bolt M10 x 30	
103	0701219	4	Bolt M12 x 55	
104	0761615	1	Bolt M16 x 35	
105	0961950	2	Bearing	
106	3291205	4	Nut M12	
107	3841258	1	Keeper, Pin	
108	4740158	1	Washer	
109	5241000	4	Washer M10	
110	5241200	8	Washer M12	
111	5251016	4	Bolt M10 x 40	
112	1001150324	2	Shim (3mm)	
113	1001150326	2	Shim (1.2mm)	
114	1001166563	2	Pad, Wear	
115	1001209431	2	Block, Stop	
116	1001180315	2	Shim (1.5mm)	
117	1001180316	4	Shim (3mm)	
118	1001184209	1	Axle	
119	1001184216	2	Bracket	
120	1001185030	1	Pin	
	1001265535	1	AXLE INSTALLATION (2WS)	A
201	0100011	AR	Compound, Locking	
202	0701217	8	Bolt M12 x 45	
203	0761615	1	Bolt M16 x 35	
204	0961950	2	Bearing	
205	3841258	1	Keeper, Pin	
206	4740158	1	Washer	
207	5241200	8	Washer M12	
208	5251016	4	Bolt M10 x 40	
209	1001150324	AR	Shim (3mm)	
210	1001150326	AR	Shim (1.2mm)	
211	1001166563	2	Pad, Wear	
212	1001184209	1	Axle	
213	1001185030	1	Pin	
214	1001256180	2	Axle Lockout Cylinder (See Separate Breakdown in CYLINDER Section)	

FIGURE 1-4. STEER INSTALLATION - WITHOUT TOW PACKAGE

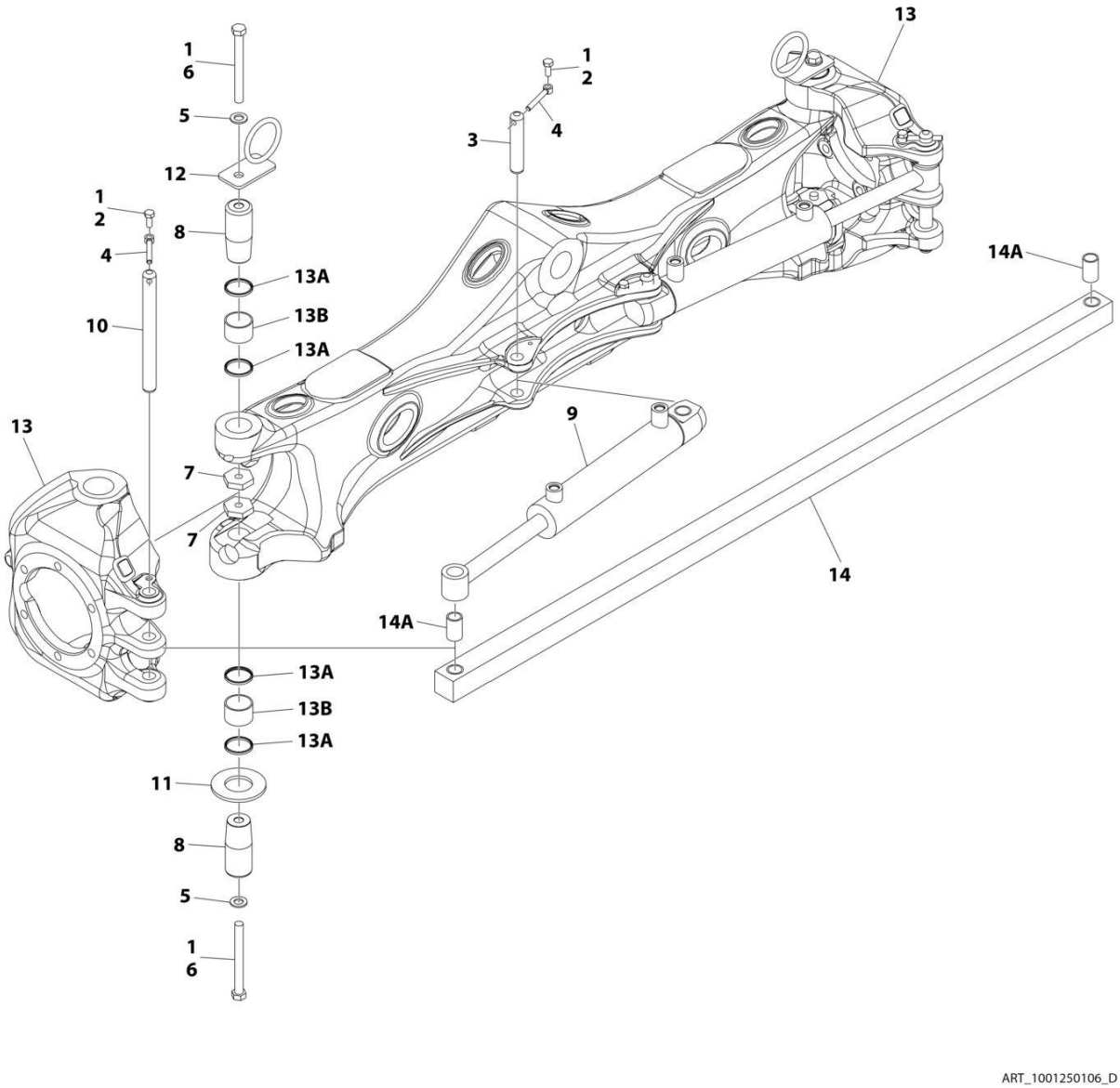
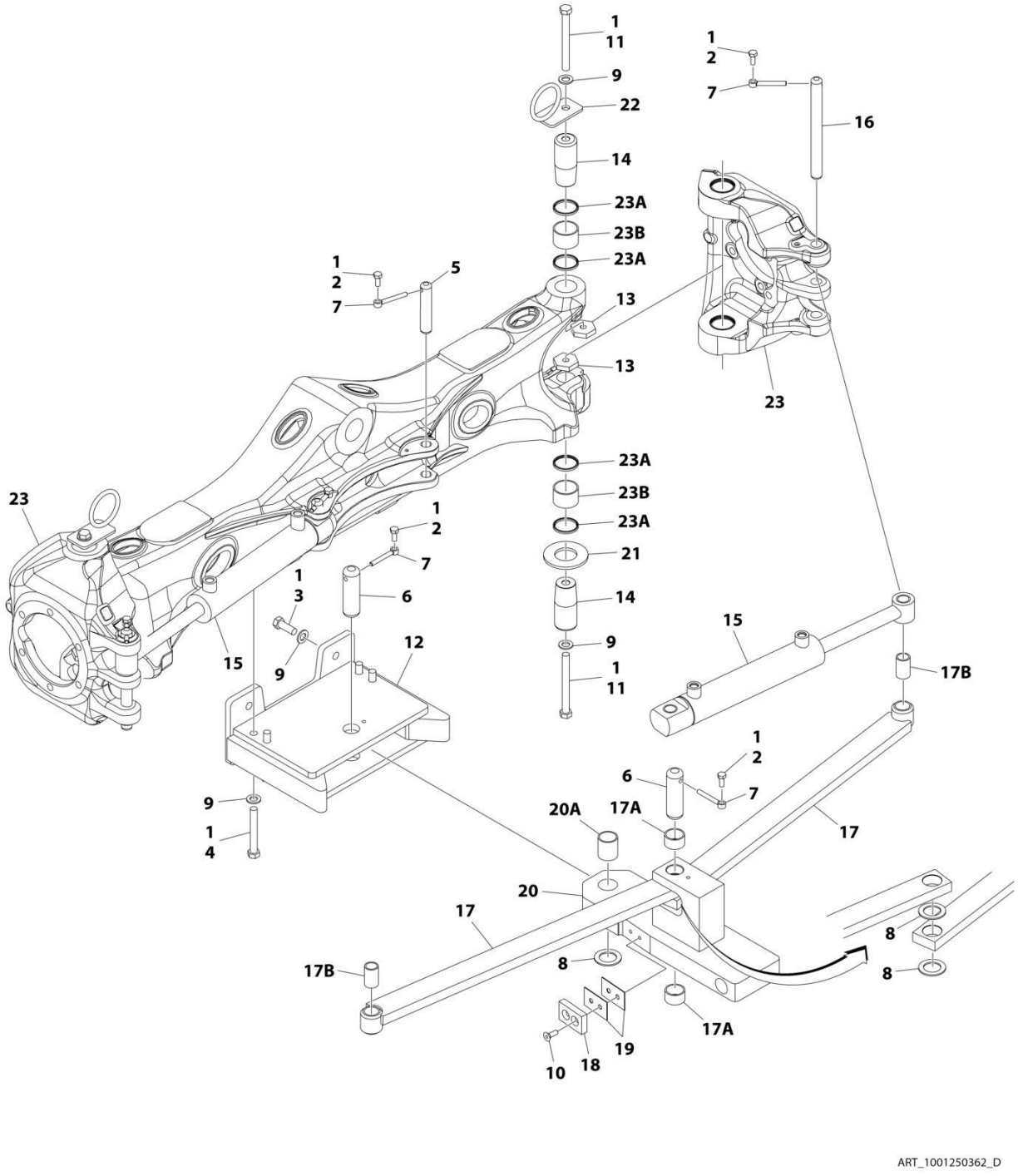


FIGURE 1-4. STEER INSTALLATION - WITHOUT TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250106	Ref	STEER INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0701012	4	Bolt M10 x 25	
3	3422351	2	Pin	
4	3841143	4	Keeper, Pin	
5	5241600	4	Washer M16	
6	1001096456	4	Bolt M16 x 160	
7	1001176848	4	Nut M16	
8	1001181790	4	Kingpin	
9	1001181792	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
10	1001182697	2	Pin	
11	1001190194	2	Bearing	
12	1001196390	2	Bracket	
13	1001263271	1	Knuckle	
13A	1001181791	8	Seal (4 Per Assembly)	
13B	1001182694	4	Bearing (2 Per Assembly)	
14	1001181793	1	Tie-Rod	
14A	1001182695	2	Bearing	

FIGURE 1-5. STEER INSTALLATION - WITH TOW PACKAGE



ART_1001250362_D

FIGURE 1-5. STEER INSTALLATION - WITH TOW PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250362	Ref	STEER INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0701012	6	Bolt M10 x 25	
3	0701617	2	Bolt M16 x 45	
4	0711629	4	Bolt M16 x 120	
5	3422351	2	Pin	
6	3422848	2	Pin	
7	3841143	6	Keeper, Pin	
8	4740155	3	Washer	
9	5241600	10	Washer M16	
10	8310614	4	Screw M10 x 30	
11	1001096456	4	Bolt M16 x 160	
12	1001163717	1	Bracket	
13	1001176848	4	Nut M16	
14	1001181790	4	Kingpin	
15	1001181792	2	Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
16	1001182697	2	Pin	
17	1001184213	2	Link	
17A	0962181	2	Bushing 1-1/2in ID	
17B	1001182695	2	Bearing 1in ID	
18	1001185906	2	Block, Stop	
19	1001185907	4	Shim (1.5mm)	
20	1001188503	1	Link	
20A	0962348	1	Bearing	
21	1001190194	2	Bearing	
22	1001196390	2	Bracket	
23	1001263271	1	Knuckle	
23A	1001181791	8	Seal (4 Per Assembly)	
23B	1001182694	4	Bearing (2 Per Assembly)	

FIGURE 1-6. WHEEL DRIVE INSTALLATION - 4WD/2WS - DANFOSS MOTOR

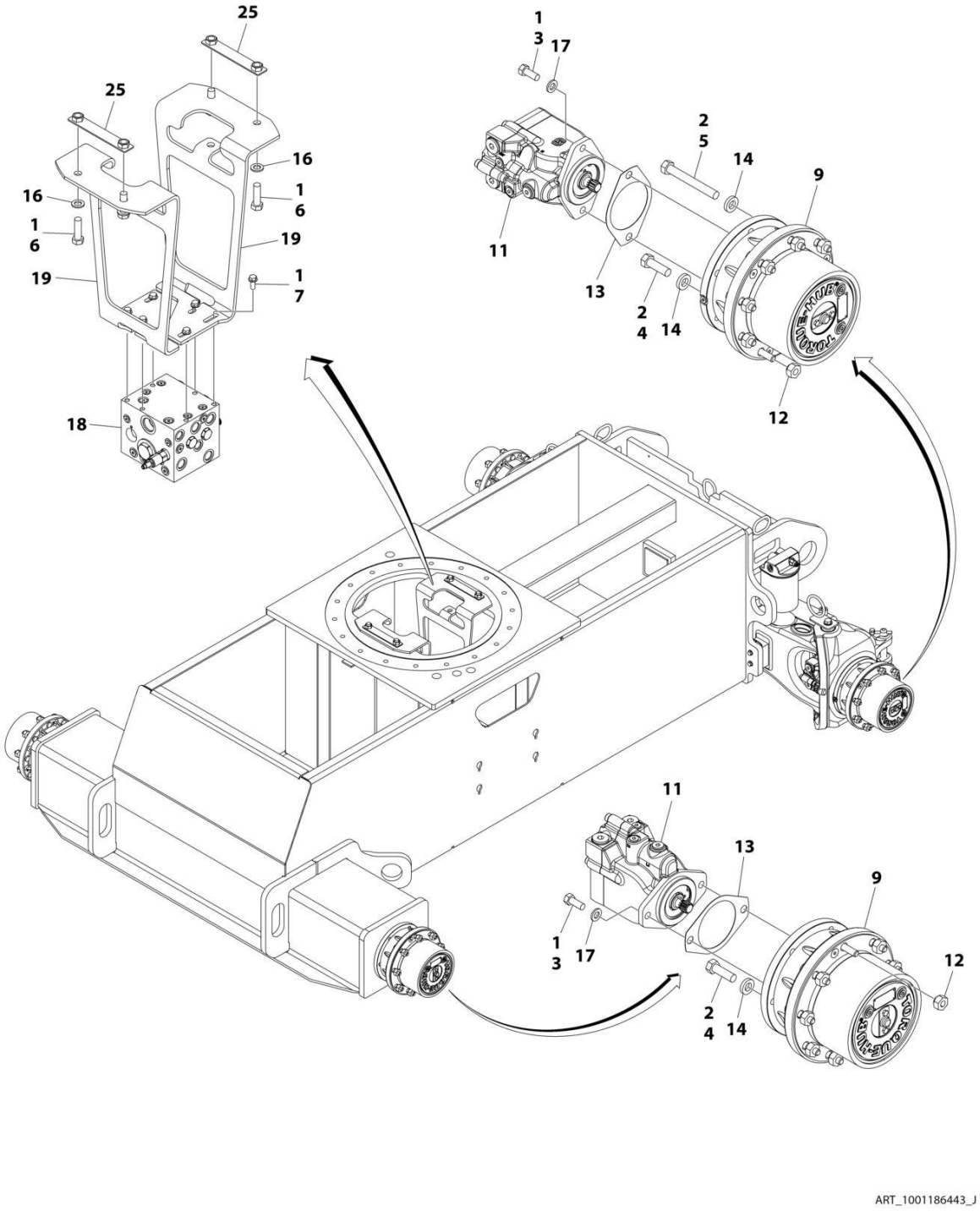


FIGURE 1-6. WHEEL DRIVE INSTALLATION - 4WD/2WS - DANFOSS MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186443	Ref	WHEEL DRIVE INSTALLATION	J
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4 Grade 8	
4	0682016	20	Bolt 5/8 x 2 Grade 8	
5	0682040	4	Bolt 5/8 x 5 Grade 8	
5	0682036	4	Bolt 5/8 x 4 Grade 8	
6	0701619	4	Bolt M16 x 55	
7	5251012	6	Bolt M10 x 25	
9	2780269	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
11	3160350	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
12	3300106	36	Lugnut	
13	3960526	4	Gasket	
14	4740393	24	Washer	
16	4812300	4	Washer M16	
17	5241200	8	Washer M12	
18	1001187521	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
19	1001232292	2	Bracket	
25	1001198631	2	Bracket	

FIGURE 1-7. WHEEL DRIVE INSTALLATION - 4WD/2WS - HENGLI MOTOR

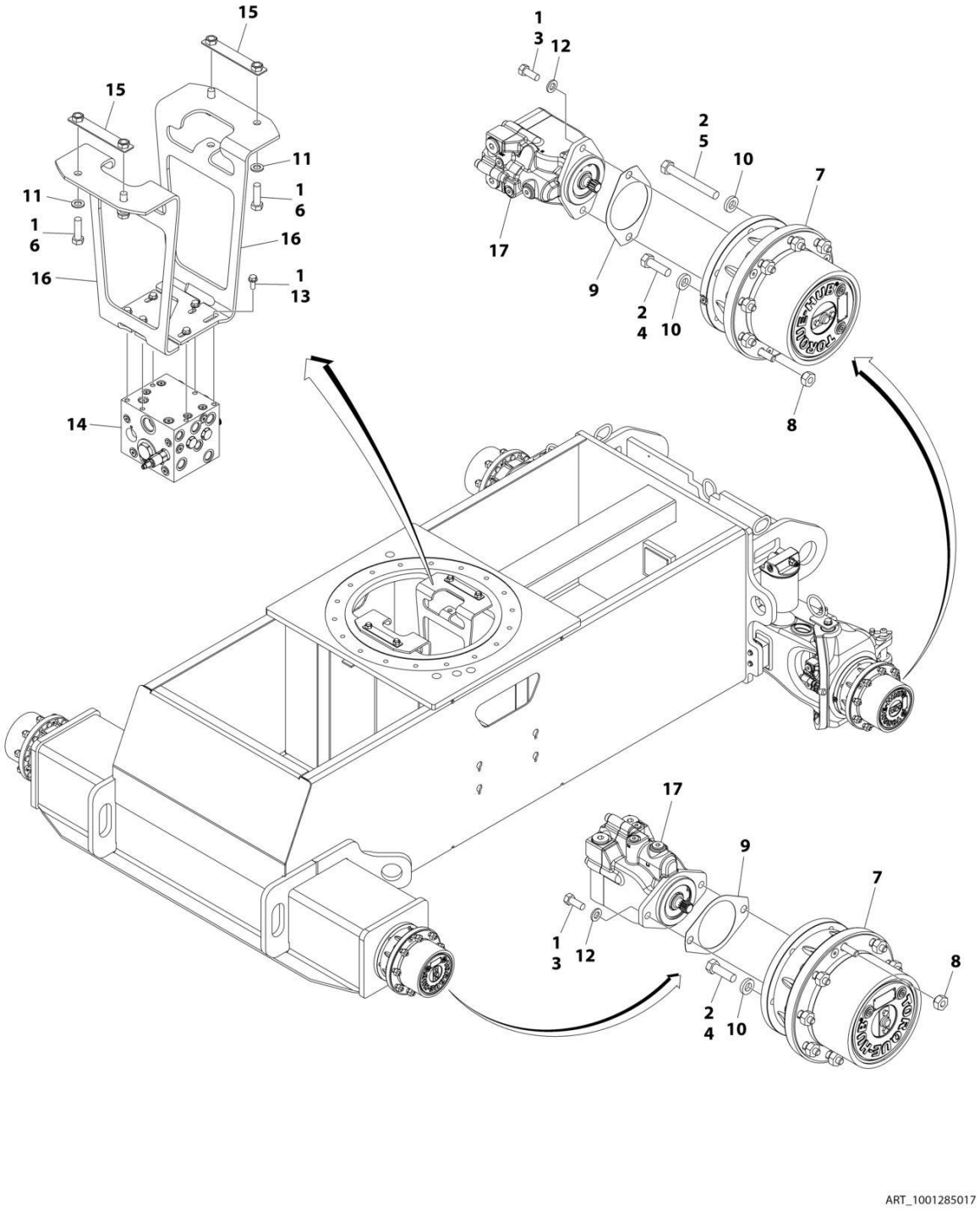


FIGURE 1-7. WHEEL DRIVE INSTALLATION - 4WD/2WS - HENGLI MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285017	Ref	WHEEL DRIVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4 Grade 8	
4	0682016	20	Bolt 5/8 x 2 Grade 8	
5	0682036	4	Bolt 5/8 x 4 Grade 8	
6	0701619	4	Bolt M16 x 55	
7	2780269	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3300106	36	Lugnut	
9	3960526	4	Gasket	
10	4740393	24	Washer	
11	4812300	4	Washer M16	
12	5241200	8	Washer M12	
13	5251012	6	Bolt M10 x 25	
14	1001187521	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
15	1001198631	2	Bracket	
16	1001232292	2	Bracket	
17	1001284476	4	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-8. WHEEL DRIVE INSTALLATION - 4WD/4WS - DANFOSS MOTOR

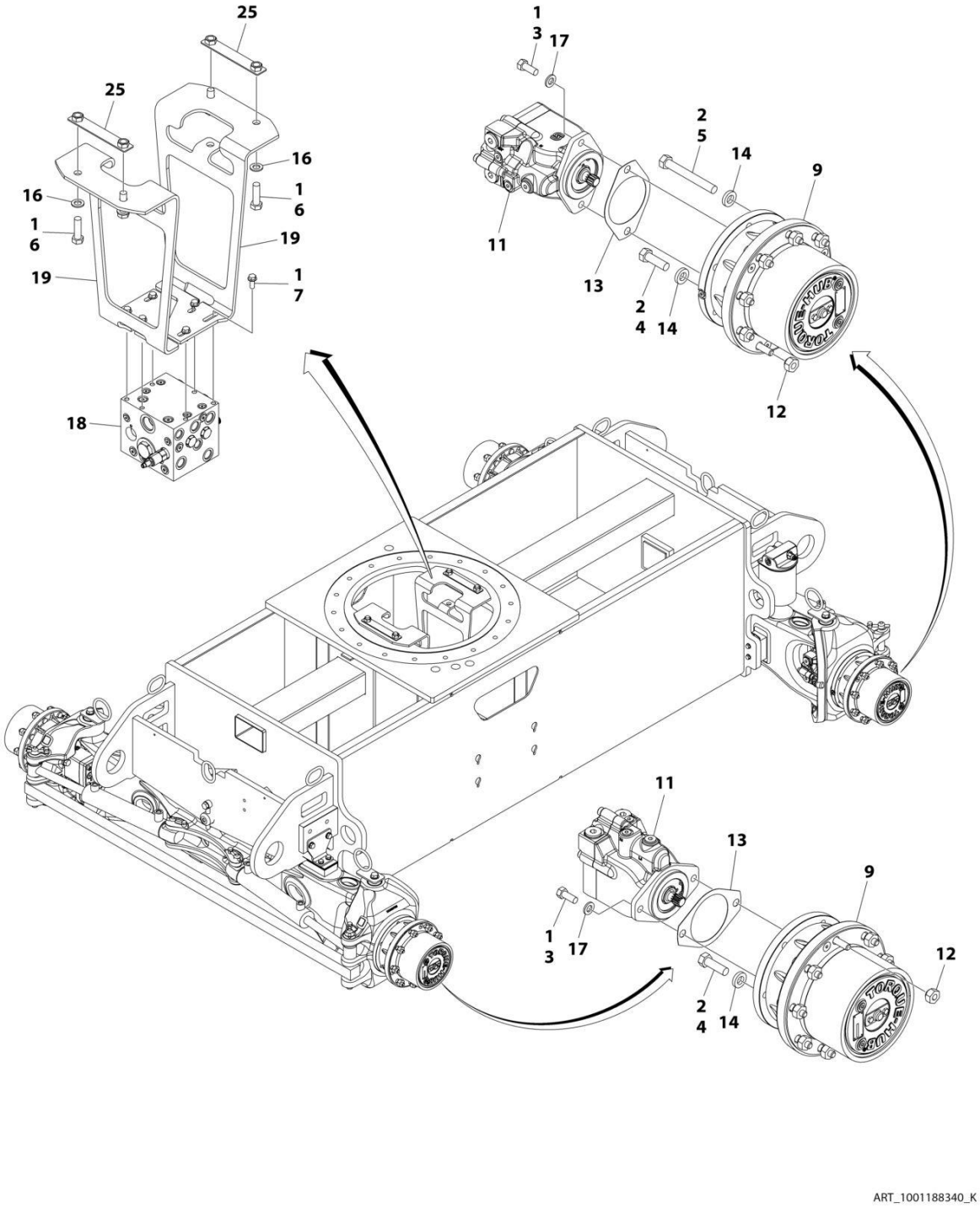


FIGURE 1-8. WHEEL DRIVE INSTALLATION - 4WD/4WS - DANFOSS MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188340	Ref	WHEEL DRIVE INSTALLATION	K
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4 Grade 8	
4	0682016	16	Bolt 5/8 x 2 Grade 8	
5	0682040	8	Bolt 5/8 x 5 Grade 8	
5	0682036	4	Bolt 5/8 x 4 Grade 8	
6	0701619	4	Bolt M16 x 55	
7	5251012	6	Bolt M10 x 25	
9	2780269	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
11	3160350	4	Drive Motor Assembly (See Separate Breakdown in this Section)	
12	3300106	36	Lugnut	
13	3960526	4	Gasket	
14	4740393	24	Washer	
16	4812300	4	Washer M16	
17	5241200	8	Washer M12	
18	1001187521	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
19	1001232292	2	Bracket	
25	1001198631	2	Bracket	

FIGURE 1-9. WHEEL DRIVE INSTALLATION - 4WD/4WS - HENGLI MOTOR

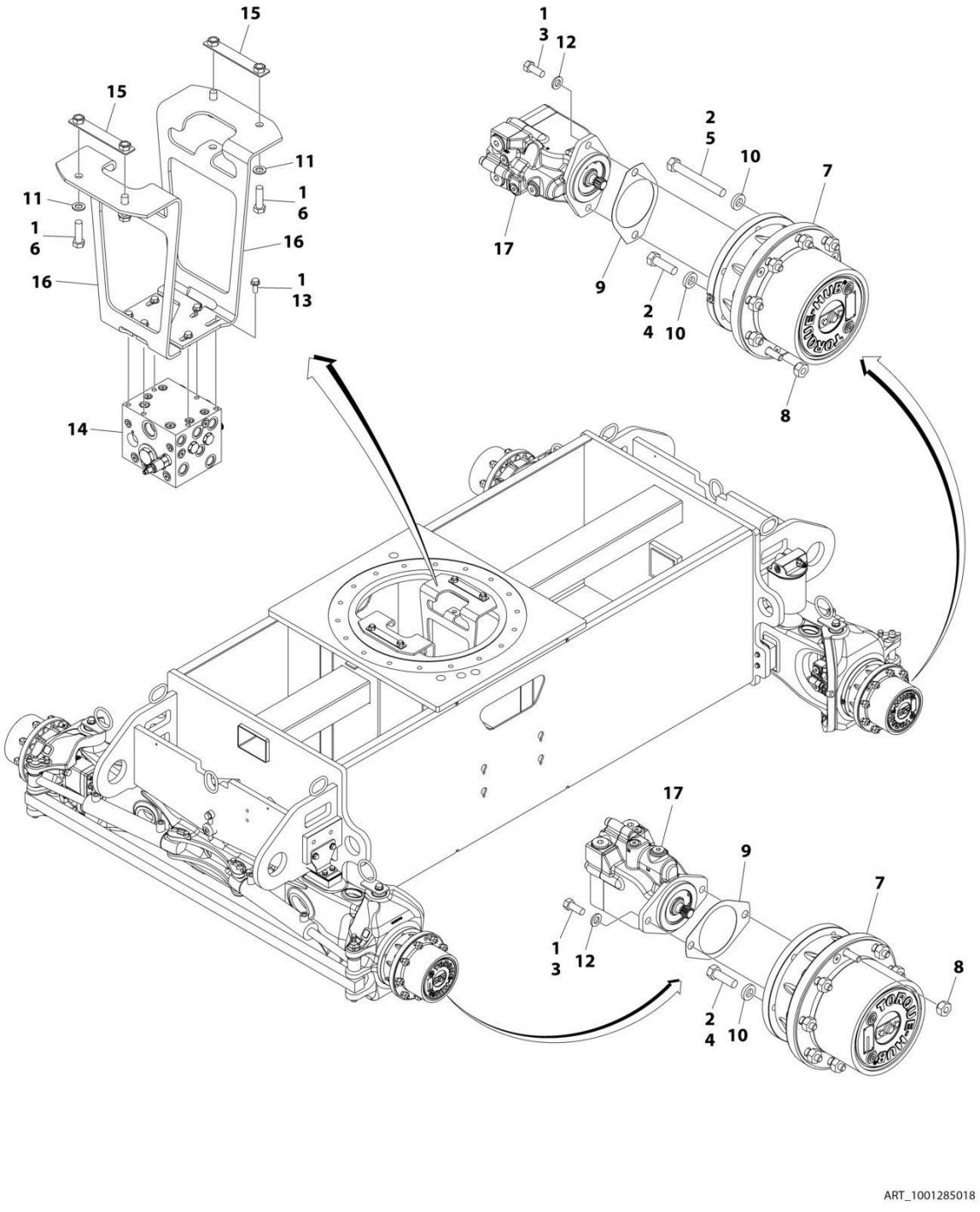


FIGURE 1-9. WHEEL DRIVE INSTALLATION - 4WD/4WS - HENGLI MOTOR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285018	Ref	WHEEL DRIVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0681810	8	Bolt 1/2 x 1-1/4 Grade 8	
4	0682016	16	Bolt 5/8 x 2 Grade 8	
5	0682036	8	Bolt 5/8 x 4 Grade 8	
6	0701619	4	Bolt M16 x 55	
7	2780269	4	Drive Hub Assembly (See Separate Breakdown in this Section)	
8	3300106	36	Lugnut	
9	3960526	4	Gasket	
10	4740393	24	Washer	
11	4812300	4	Washer M16	
12	5241200	8	Washer M12	
13	5251012	6	Bolt M10 x 25	
14	1001187521	1	Traction Valve Assembly (See Separate Breakdown in this Section)	
15	1001198631	2	Bracket	
16	1001232292	2	Bracket	
17	1001284476	4	Drive Motor Assembly (See Separate Breakdown in this Section)	

FIGURE 1-10. DRIVE MOTOR ASSEMBLY - DANFOSS

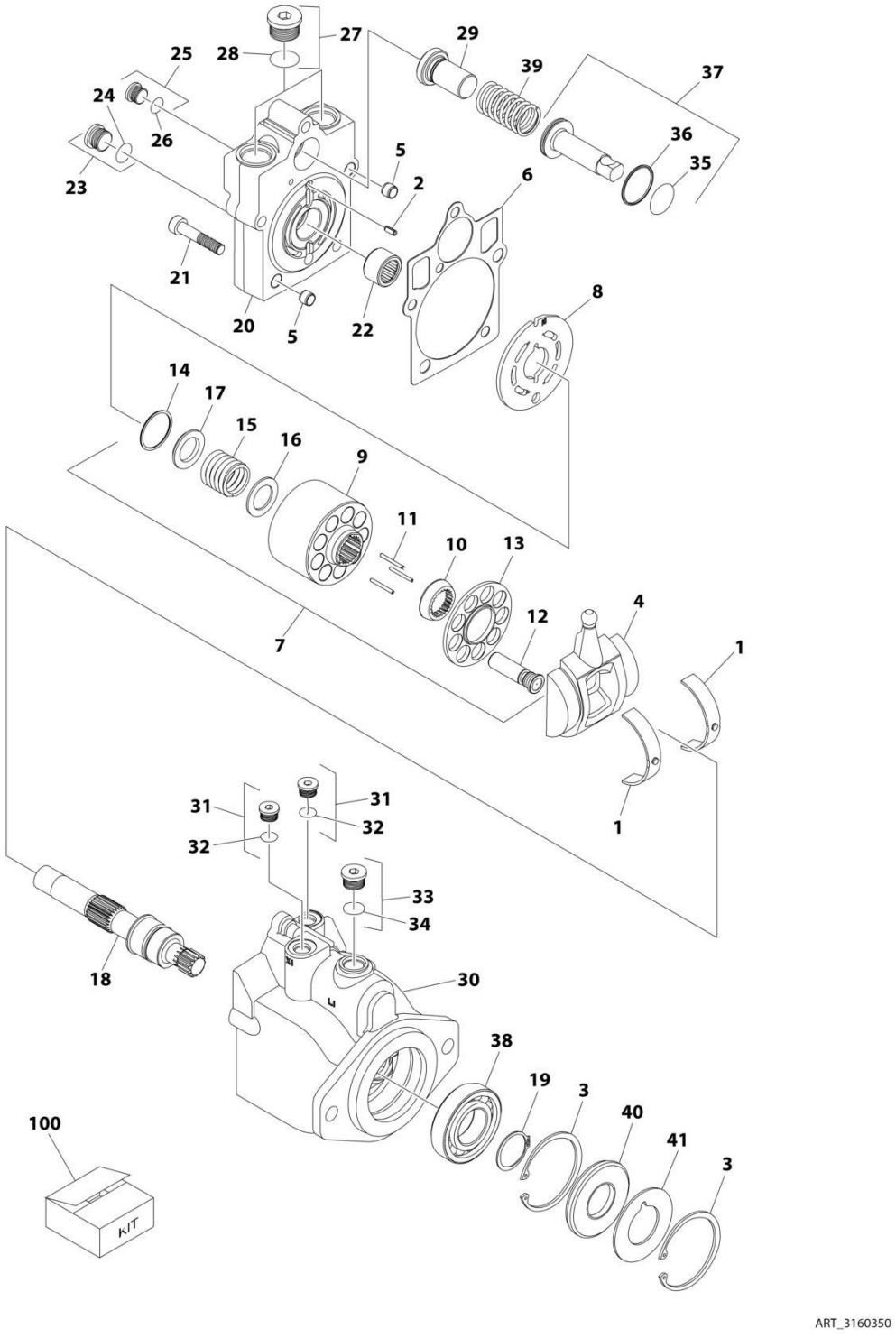


FIGURE 1-10. DRIVE MOTOR ASSEMBLY - DANFOSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160350	Ref	DRIVE MOTOR ASSEMBLY	D
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swash Plate	
5	See Note	NSS	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 42)	
7	7027740	1	Cylinder Block Kit (Includes Items 9-17)	
8	7024862	1	Plate, Valve	
9	See Note	NSS	Block, Cylinder	
10	See Note	NSS	Guide, Slipper Retainer	
11	7021275	3	Pin, Slipper Hold Down	
12	7024865	9	Piston Assembly	
13	See Note	NSS	Retainer, Slipper	
14	7022311	1	Ring, Retaining	
15	7024867	1	Spring	
16	7022313	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000795	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	NSS	O-Ring (Note: Use Item 23 or 42)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 42)	
27	7027419	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 42)	
29	7022372	1	Seat, Spring	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 42)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 42)	
35	See Note	NSS	O-Ring (Note: Use Item 42)	
36	See Note	NSS	Ring, Seal (Note: Use Item 42)	
37	7024871	1	Piston, Servo	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	NSS	Seal, Lip (Note: Use Item 42)	
41	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-11. DRIVE MOTOR ASSEMBLY - HENGLI

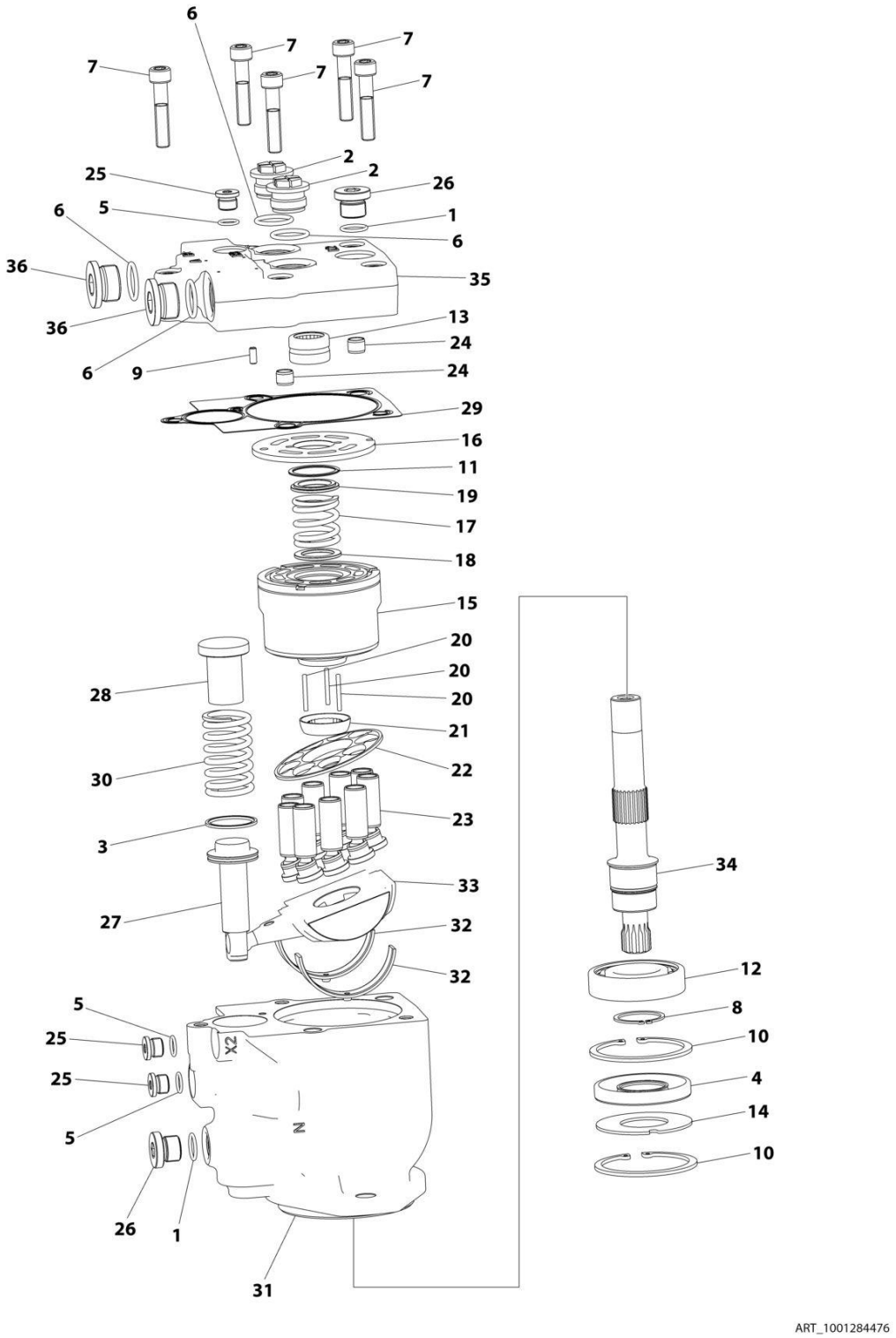


FIGURE 1-11. DRIVE MOTOR ASSEMBLY - HENGLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284476	Ref	DRIVE MOTOR ASSEMBLY	B
1	70007847	2	O-Ring	
2	70007848	2	Plug	
3	70007849	1	Ring, Sealing	
4	70007850	1	Bearing	
5	70007851	3	O-Ring	
6	70007852	4	O-Ring	
7	70007853	5	Capscrew M10 x 50	
8	70007854	1	Circlip	
9	70007855	1	Pin	
10		Ref	Circlip	
11	70007856	1	Ring, Retaining	
12	70007857	1	Bearing	
13	70007858	1	Bearing	
14	70007859	1	Gasket	
15	70007879	1	Cylinder	
16	70007861	1	Plate, Valve	
17	70007880	1	Spring	
18	70007863	1	Gasket	
19	70007864	1	Gasket	
20	70007865	3	Pin	
21	70007866	1	Bushing	
22	70007867	1	Retainer	
23	70007881	9	Piston	
24	70007869	2	Pin	
25	70007870	3	Plug	
26	70007871	2	Plug	
27	70007882	1	Piston	
28	70007883	1	Seat, Spring	
29	70007874	1	Gasket	
30	70007875	1	Spring	
31	See Note	NSS	Housing (Note: Purchase Complete Assembly)	
32	70007876	2	Bushing	
33	70007877	1	Plate, Swash	
34	70007878	1	Shaft	
35	See Note	NSS	Cover (Note: Purchase Complete Assembly)	
36	See Note	Ref	Plug (Note: Shipping Use Only)	

FIGURE 1-12. DRIVE HUB ASSEMBLY

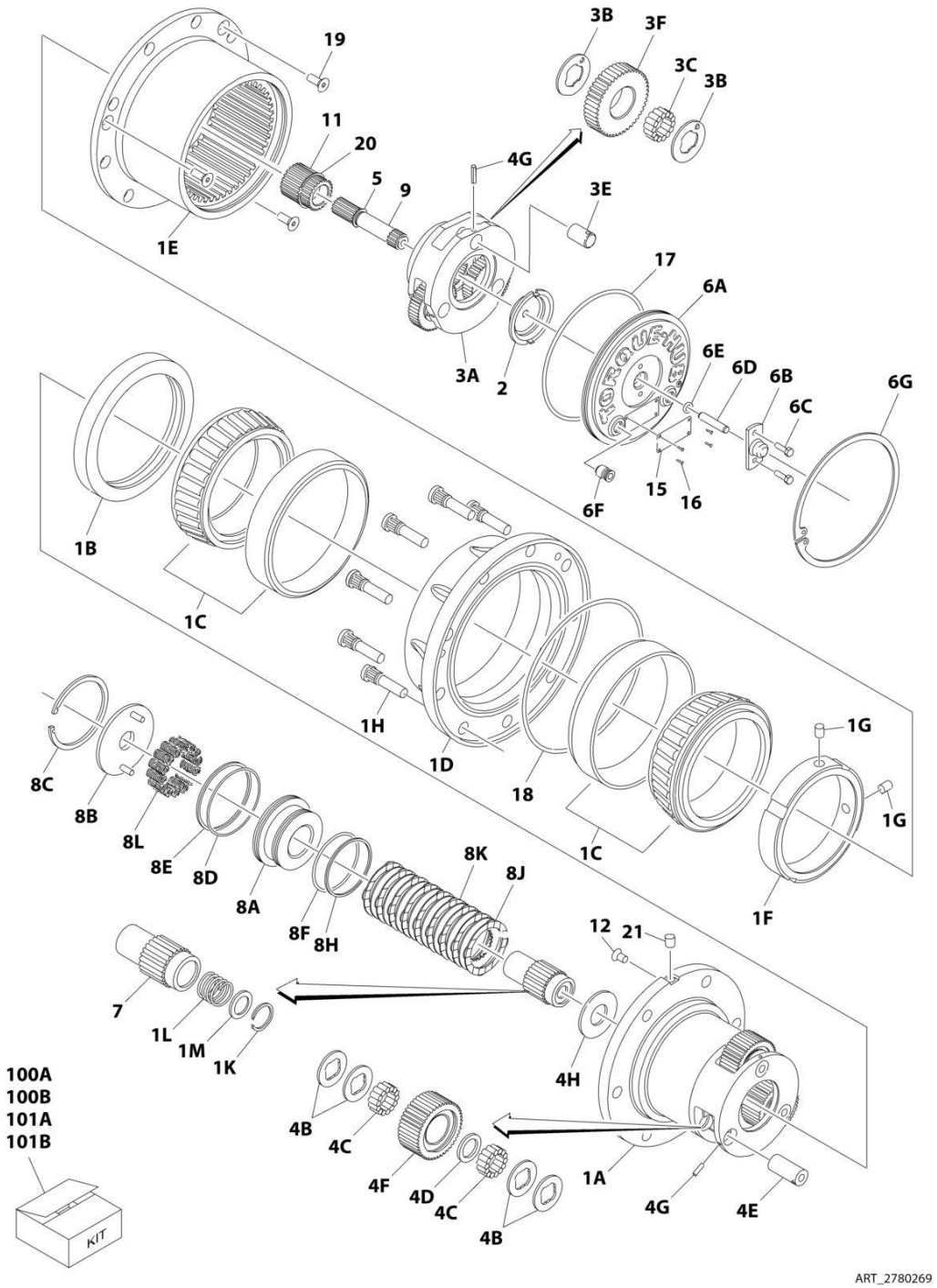


FIGURE 1-12. DRIVE HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780269	Ref	DRIVE HUB/BRAKE ASSEMBLY	E
1	See Note	NSS	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal, Lip	
1C	7024735	2	Bearing (Includes Cup and Cone)	
1D	2780269	1	Housing (Note: Not Available for Purchase)	
1E	7024730	1	Ring, Gear	
1F	7024744	1	Nut, Bearing	
1G	See Note	NSS	Setscrew 1/4 x 1/2 (Note: Use Item 26A, 26B, 27A or 27B)	
1H	7024732	9	Stud, Wheel	
1K	7024125	1	Ring, Retaining	
1L	7024124	1	Spring	
1M	7024129	1	Thrustwasher	
2	7024741	1	Thrustwasher	
3	See Note	NSS	Carrier Assembly (Note: Not Available - Purchase Individual Components)	
3A	7024725	1	Carrier	
3B	7024127	6	Thrustwasher	
3C	7024733	42	Bearing, Needle	
3E	7024724	3	Shaft, Planet	
3F	7024727	3	Gear, Planet	
4	See Note	NSS	Planet Gear Sub-Assembly (Note: Not Available - Purchase Individual Components)	
4B	7024740	12	Thrustwasher	
4C	7024734	84	Bearing, Needle	
4D	7024736	3	Spacer, Thrust	
4E	7024726	3	Shaft, Planet	
4F	7024728	3	Gear, Planet	
4G	7001913	6	Roll Pin	
4H	7024742	1	Thrustwasher	
5	7017027	1	Ring, Retaining	
6	See Note	NSS	Cover Assembly (Note: Not Available - Purchase Individual Components)	
6A	7024731	1	Plate, Cover	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/2in-20NC x 1/2in	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	Plug, Pipe	
6G	7024738	1	Ring, Retaining	
7	7024722	1	Coupling	
8	See Note	NSS	Brake, Input (Note: Not Available - Purchase Individual Components)	
8A	70000782	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	See Note	NSS	Ring, Retaining (Note: Use Item 26B, 27A or 27B)	
8D	See Note	NSS	O-Ring (Note: Use Item 26B or 27A)	
8E	See Note	NSS	Ring, Back-up (Note: Use Item 26B or 27A)	
8F	See Note	NSS	O-Ring (Note: Use Item 26B or 27A)	
8H	See Note	NSS	Ring, Back-up (Note: Use Item 26B or 27A)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
8J	See Note	NSS	Rotor, Brake (Note: Use Item 27A)	
8K	See Note	NSS	Stator, Brake (Note: Use Item 27A)	
8L	See Note	NSS	Spring, Brake (Note: Use Item 27B)	
9	7024721	1	Shaft, Input	
11	7024723	1	Gear, Sun	
12	See Note	NSS	Plug (Note: Not Available for Purchase)	
15	See Note	NSS	Plate, ID (Not Shown) (Note: Not Available for Purchase)	
16	7000281	4	Screw, Drive	
17	7024134	1	O-Ring	
18	See Note	NSS	O-Ring (Note: Use Item 26A)	
19	7017022	3	Screw, Countersunk 3/8in-16NC	
20	7024737	1	Ring, Retaining	
21	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
26		Ref	Seal Kit Options:	
26A	7024744	1	Hub Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)	
26B	7024765	1	Brake Seal Kit (Includes Items 1G, 8C, 8D, 8E, 8F & 8H)	
27		Ref	Repair Kit Options:	
27A	7024764	1	Brake Lining Kit (Includes Items 1G, 8C, 8D, 8E, 8F, 8H, 8J & 8K)	
27B	7024766	1	Brake Spring Kit (Includes Items 1G, 8C & 8L)	

FIGURE 1-13. TRACTION VALVE ASSEMBLY

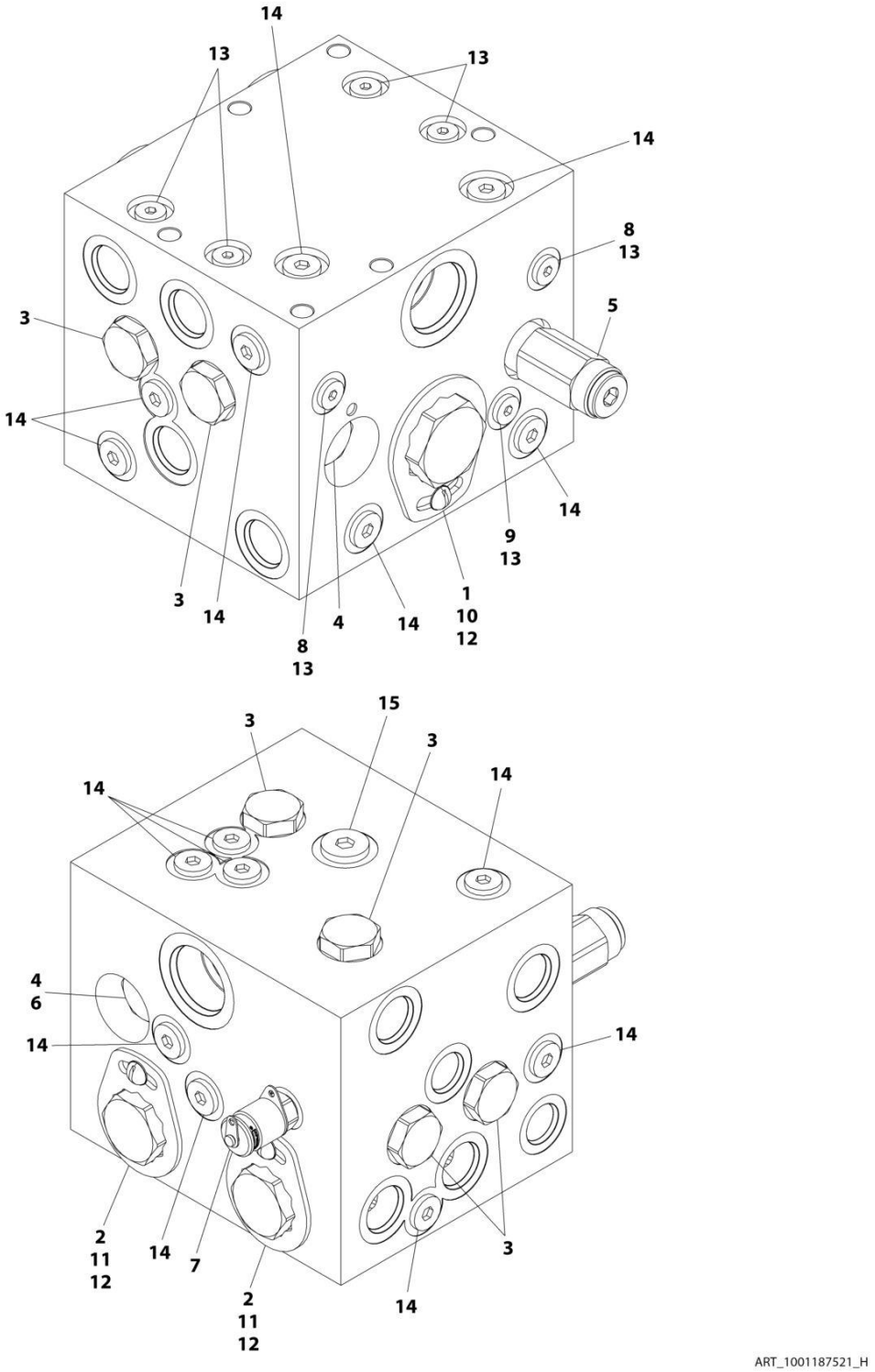


FIGURE 1-13. TRACTION VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187521	Ref	TRACTION VALVE ASSEMBLY	H
1	70005668	1	Valve, Flow Divider	
1	7021625	1	Seal Kit - 70005668 Valve	
2	70005669	2	Valve, Flow Divider	
2	70004577	2	Seal Kit - 70005669 Valve	
3	70026444	6	Valve, Check	
3	7022399	6	Seal Kit - 7022397 Valve	
4	7021639	2	Valve, Check	
4	2900756	2	Seal Kit - 7021639 Valve	
5	70007507	1	Valve, Relief	
5	7012998	1	Seal Kit - 70005670 Valve	
6	7024881	1	Piston	
7	2221086	1	Fitting, Test	
8	70003975	2	Orifice	
9	70002209	1	Orifice	
10	70000781	1	Lock Down Kit	
11	70002962	2	Lock Down Kit	
12	70004888	3	Screw	
13	2220883	7	Plug	
14	2220885	15	Plug	
15	2220886	1	Plug	

FIGURE 1-14. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)

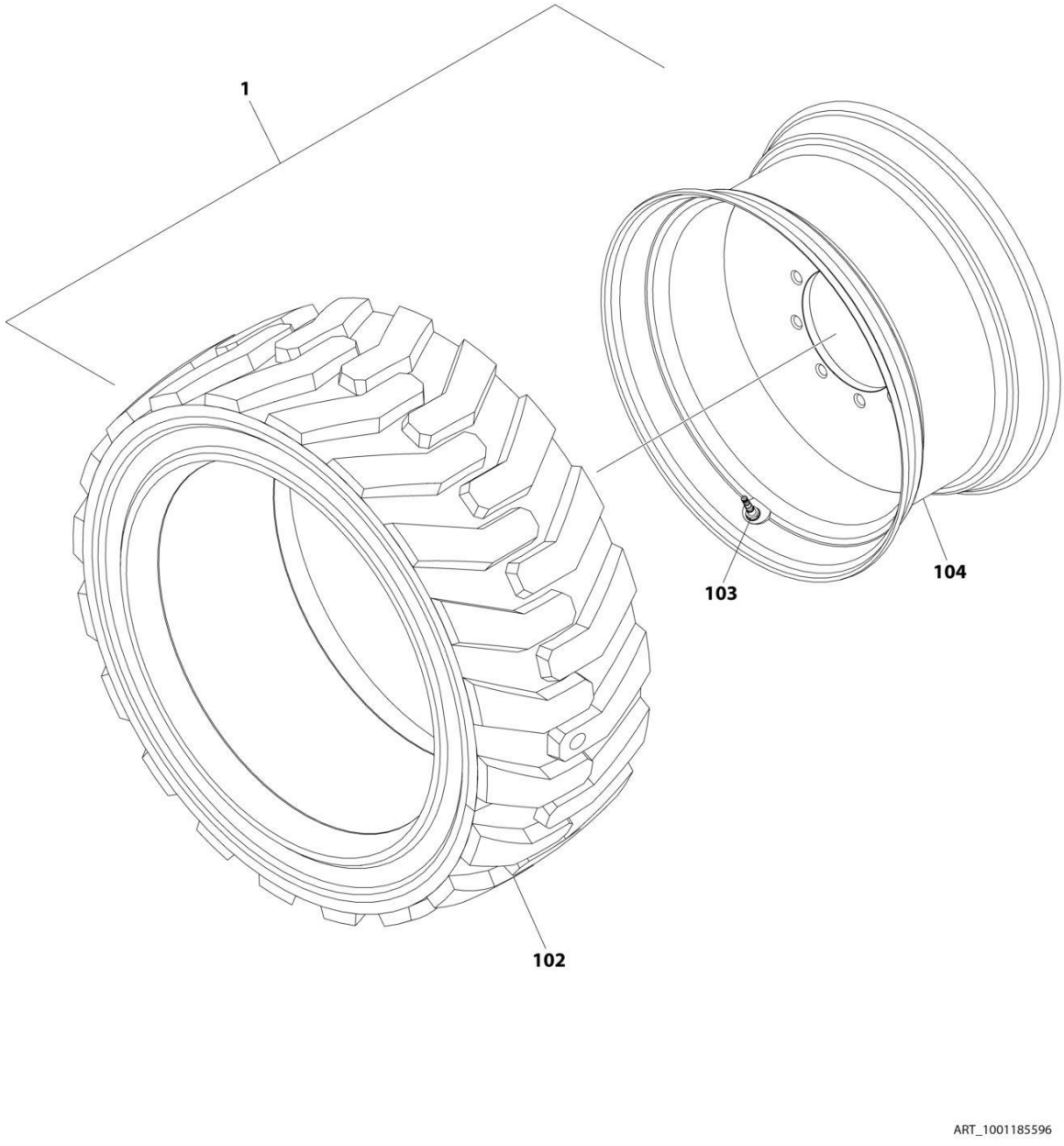


FIGURE 1-14. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED (AVAILABLE ON ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185596	Ref	TIRE & WHEEL INSTALLATION	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.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001181795	Ref	Tire and Wheel Assembly (LH Side)	D
1	1001181796	Ref	Tire and Wheel Assembly (RH Side)	D
102	4520288	4	Tire - IN355-55 D625	
103	4641122	4	Valve	
104	1001181797	4	Rim, Wheel	

FIGURE 1-15. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS)

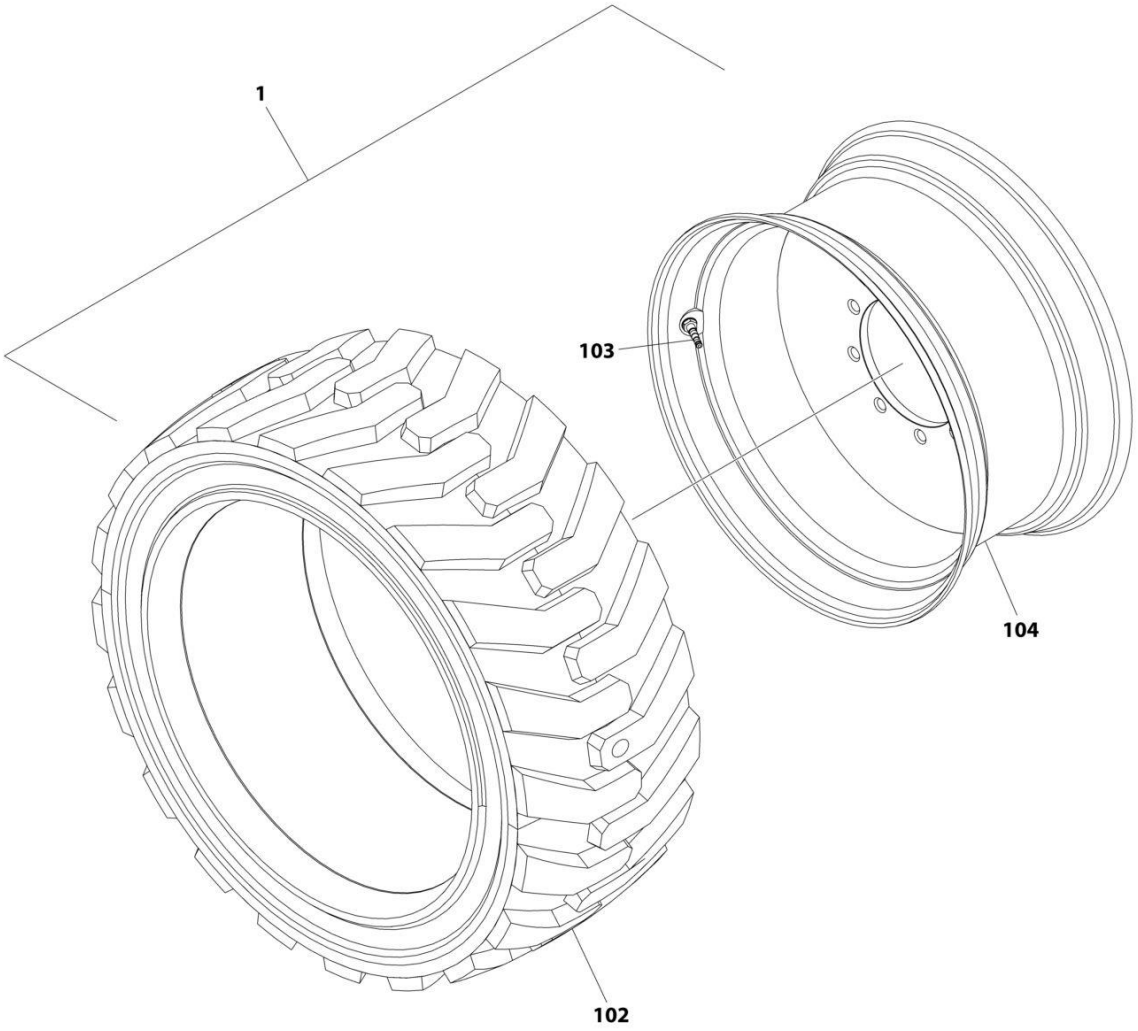


FIGURE 1-15. TIRE & WHEEL INSTALLATION - IN355-55 D625 FOAM FILLED NON-MARKING (AVAILABLE ON ALL SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185597	Ref	TIRE & WHEEL INSTALLATION	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.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001184727	Ref	Tire and Wheel Assembly (RH Side)	E
1	1001184728	1	Tire and Wheel Assembly (LH Side)	E
102	1001184881	4	Tire - IN355-55 D625	
103	4641122	4	Valve	
104	1001181797	4	Rim, Wheel	

FIGURE 1-16. TIRE & WHEEL INSTALLATION - 41-18LL X 22.5 FOAM FILLED TURF & SAND (AVAILABLE ON ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

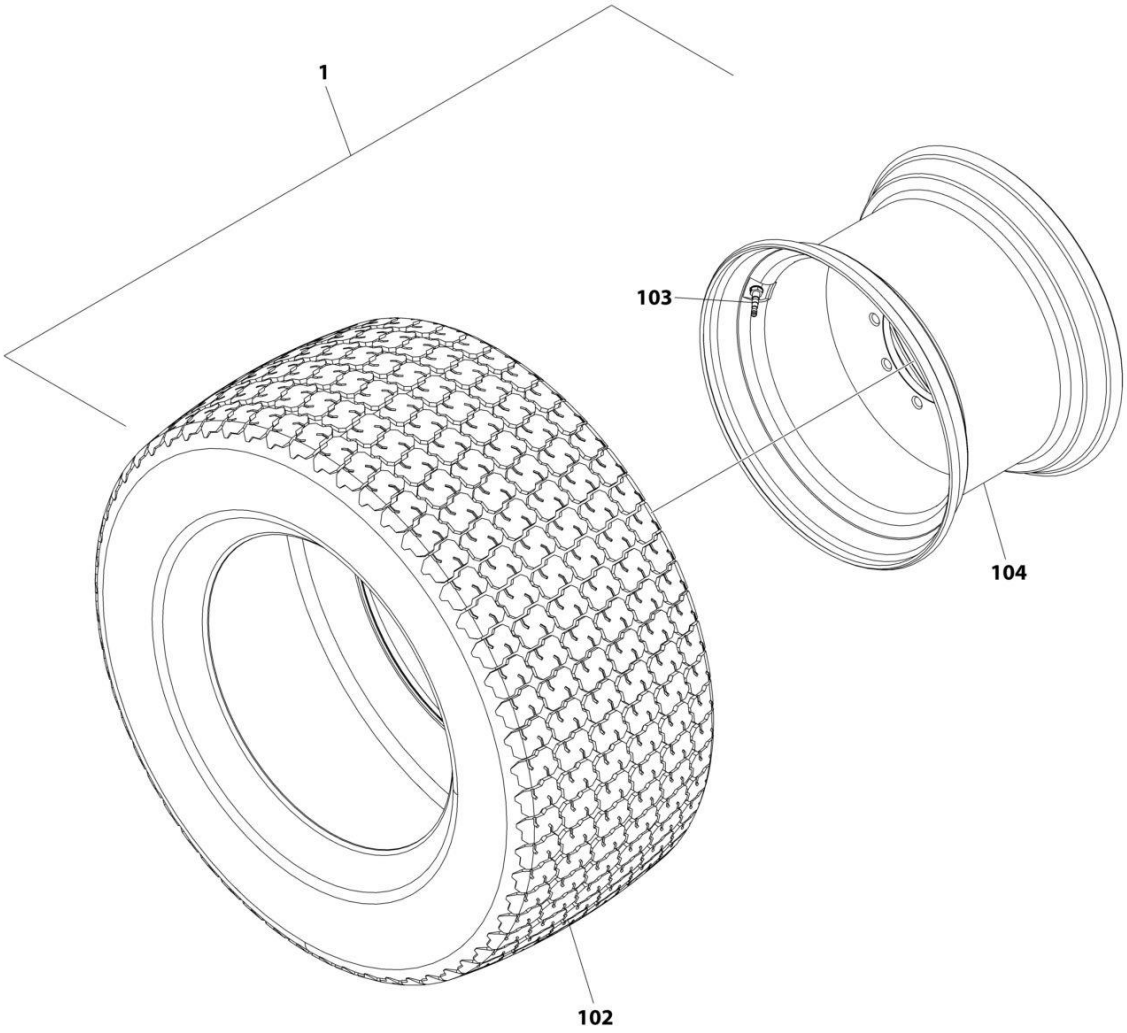
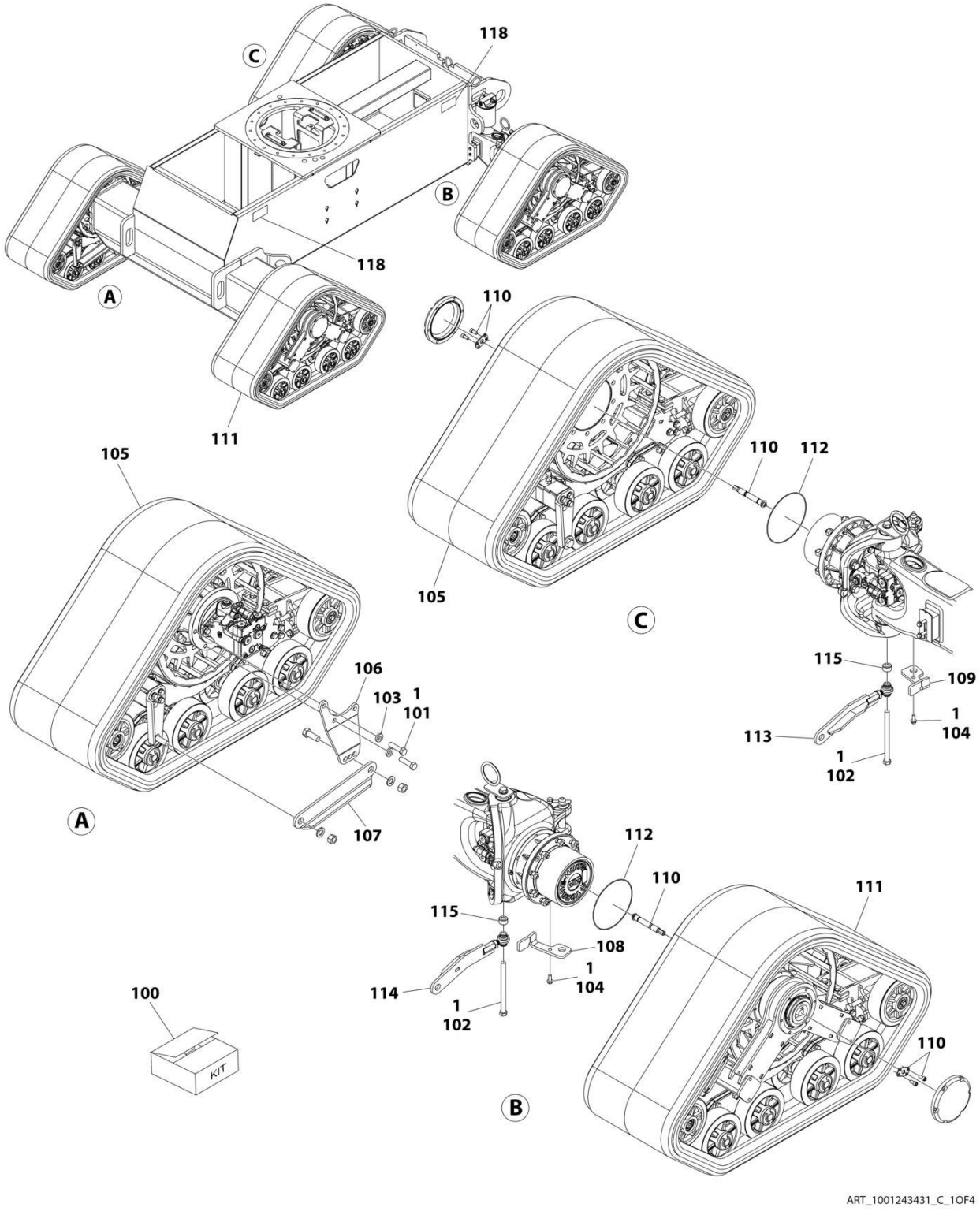


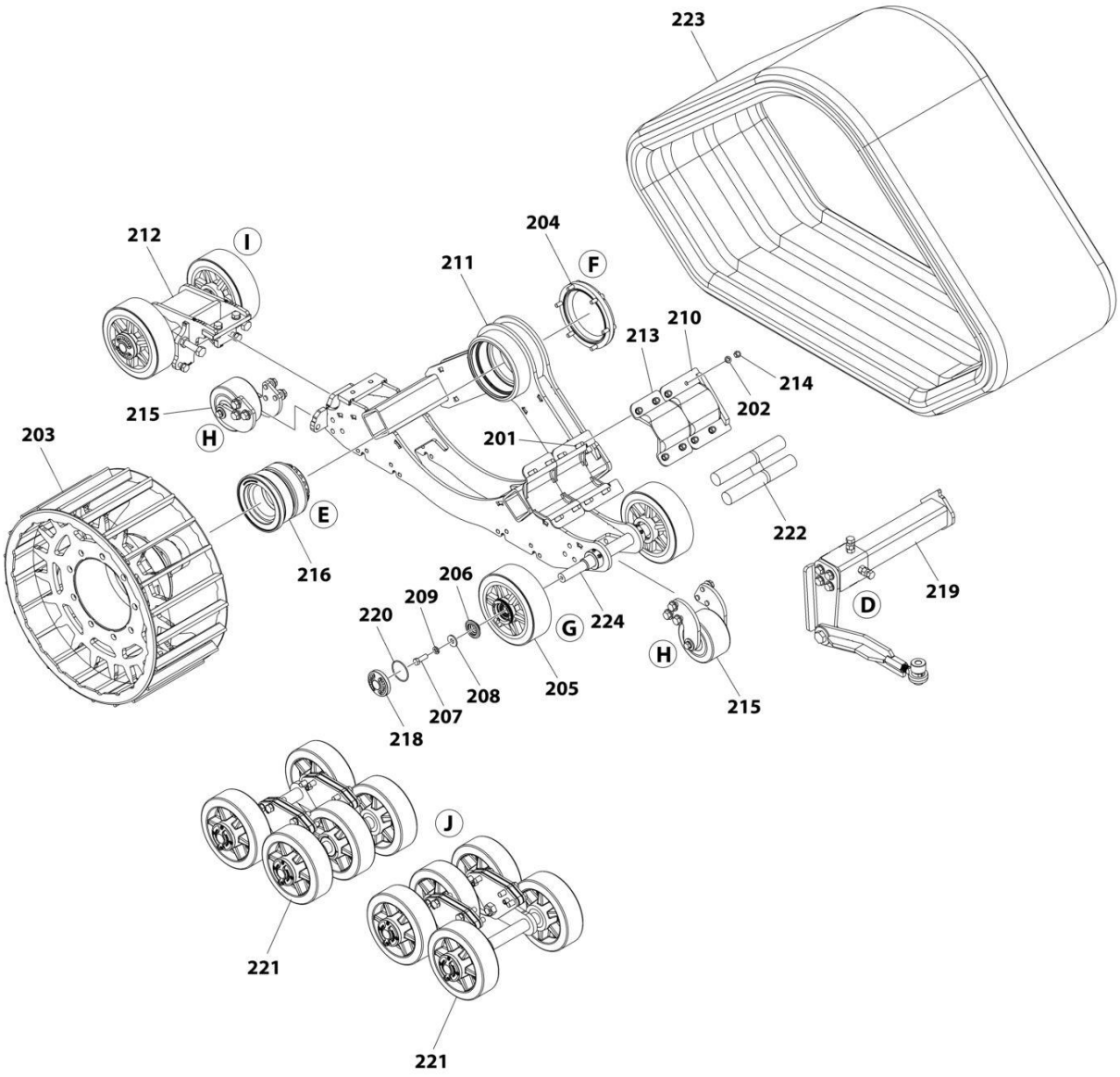
FIGURE 1-16. TIRE & WHEEL INSTALLATION - 41-18LL X 22.5 FOAM FILLED TURF & SAND (AVAILABLE ON ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216195	Ref	TIRE & WHEEL INSTALLATION	A
		Ref	Note: Not Available on Shipyard Machines.	
		Ref	Note: Turf/Sand Tires Required Additional Chassis Counterweight. See SPECIAL OPTIONS SECTION Before Installing this Option.	
		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.	
		Ref	Note: Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.	
1	1001216196	Ref	Tire and Wheel Assembly - Turf and Sand	C
102	4520256	4	Tire - 41-18LL x 22.5	
103	4641122	4	Valve	
104	1001208017	4	Rim, Wheel	

FIGURE 1-17. MATTRACKS INSTALLATION

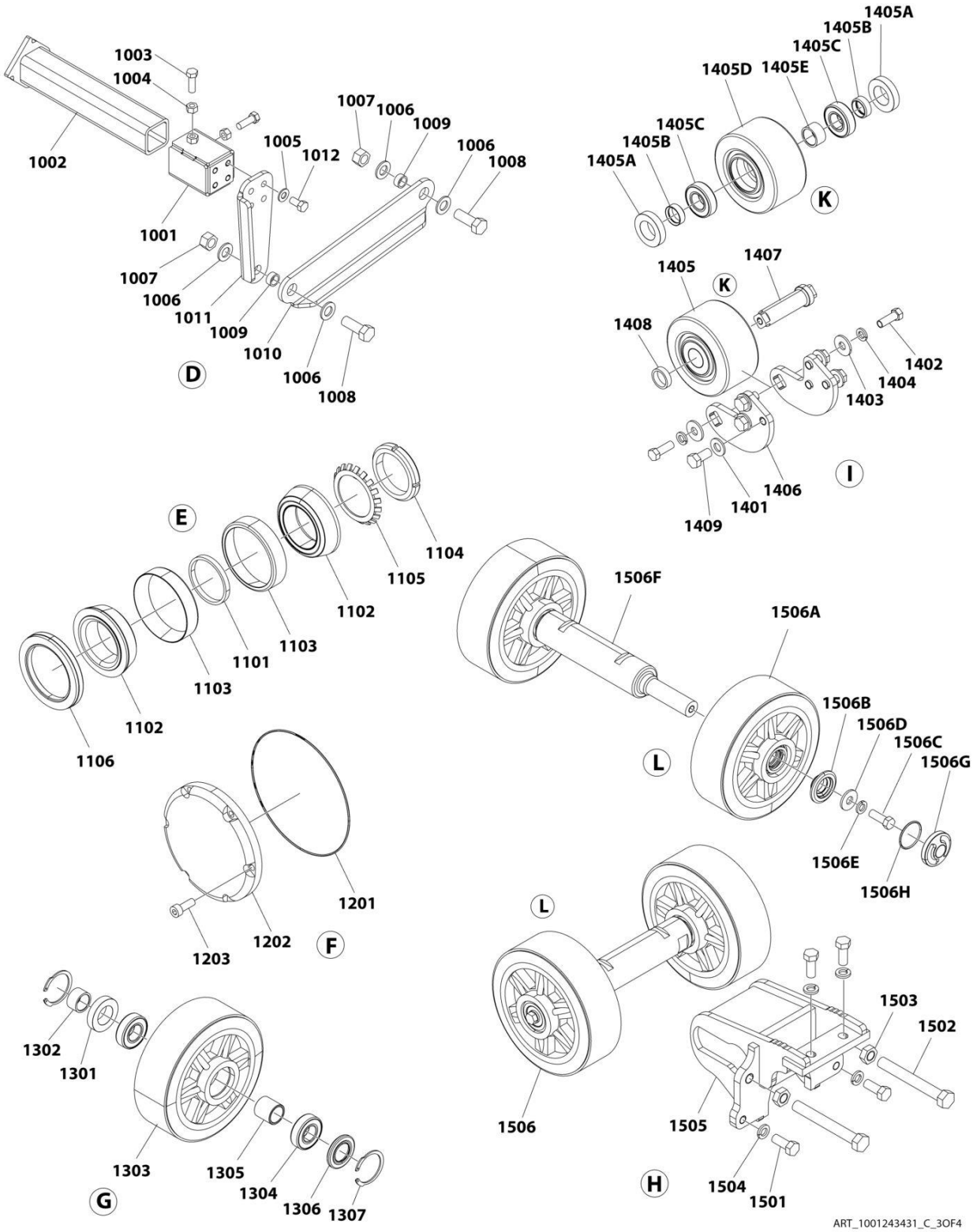


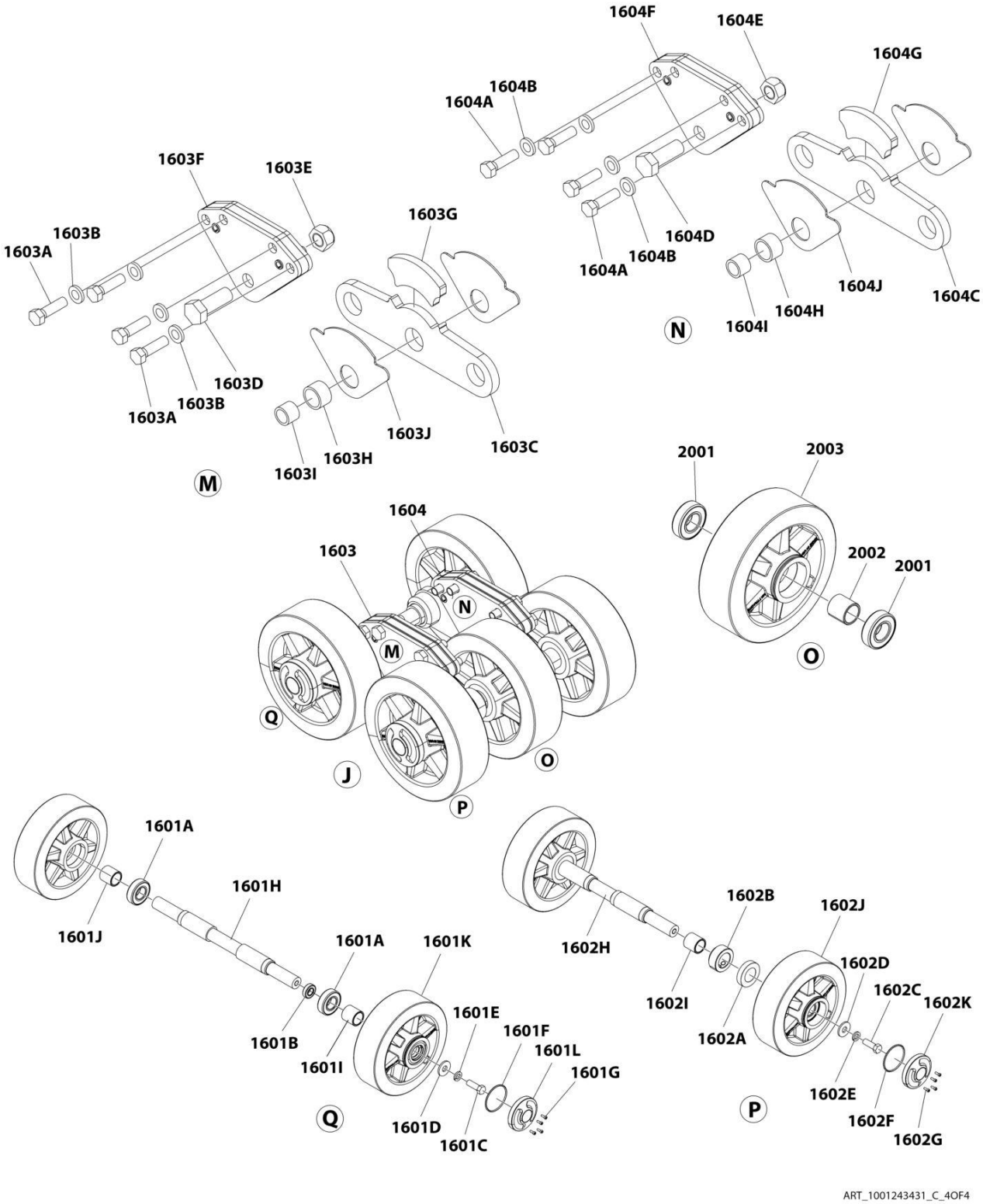
RH SIDE FRONT
(LH SIDE TYPICAL)



ART_1001243431_C_2OF4

SECTION 1 - FRAME





ART_1001243431_C_4OF4

FIGURE 1-17. MATTRACKS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243431	Ref	MATTRACKS INSTALLATION	C
1	0100011	AR	Compound, Locking	
100	1001277880	1	Mattracks Kit	B
101	0682019	6	Bolt 5/8 x 2-3/8	
102	0701639	2	Bolt M16 x 220	
103	4740393	6	Washer	
104	5201012	2	Bolt M10 x 25	
105	1001231957	2	Track Assembly (LH) (See Items 201-223)	
106	1001238851	2	Plate, Hub	
107	1001238858	2	Plate	
108	1001239295	1	Plate, Stopper (RH)	
109	1001239296	1	Plate, Stopper (LH)	
110	1001292406	4	Pin	
111	1001242991	2	Track Assembly (RH) (See Items 201-223)	
112	1001248720	4	O-Ring	
113	1001253468	1	Link (LH)	
114	1001253469	1	Link (RH)	
115	1001253470	2	Sleeve	
117	1001293465	1	Manual (Not Shown)	
118	1001293730	4	Decal, Max Track Load	
	1001231957	Ref	TRACK ASSEMBLY (LH)	B
	1001242991	Ref	TRACK ASSEMBLY (RH)	B
		Ref	Note: Quantity Shown is for Quantity 1 Track Assembly.	
201	70007680	8	Screw 3/8 x 1-1/4	
202	70007681	8	Washer 3/8	
203	70007682	1	Spindle/Sprocket	
204	70007683	1	Spindle/Cap Assembly (Includes Items 1201-1203)	
205	70007684	2	Wheel, 8 x 250 (Includes Items 1301-1307)	
206	70007685	2	Washer	
207	70007686	2	Bolt 7/16 x 1-1/4	
208	70007687	2	Washer 1/2	
209	70007688	2	Washer 7/16	
210	70007689	1	Clamp	
211	70007690	1	Frame (LH) (Not Shown)	
211	70007702	1	Frame (RH)	
212	70007691	1	Nose Assembly (Includes Items 1501-1506)	
213	70007692	1	Clamp	
214	70007693	8	Nut 3/8	
215	70007694	2	Guide Wheel Assembly (Includes Items 1401-1408)	
216	70007695	1	Bearing (1 Set) (Includes Items 1101-1106)	
218	70007696	2	Cap, Wheel	
219	70007964	1	Torque/Slide Tube Arm Assembly (LH) (Not Shown) (Includes Items 1001-1012)	
219	70007697	1	Torque/Slide Tube Arm Assembly (RH) (Includes Items 1001-1012)	
220	70007698	2	O-Ring	
221	70007699	2	Rocker Assembly (Includes Items 1601-1604)	
222	70007700	1	Cushions Assembly	
223	70007701	1	Track	
224	70008279	1	Shaft, Frame	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1001	See Note	NSS	Tube (Note: Not Available for Purchase)	
1002	See Note	NSS	Tube (Note: Not Available for Purchase)	
1003	70008297	1	Bolt 1/2 x 1-1/2 Grade 8	
1004	70008298	2	Nut 1/2	
1005	70008299	4	Washer 1/2	
1006	70008300	2	Washer 3/4	
1007	70008301	2	Nut 3/4	
1008	70008302	2	Bolt 3/4 Grade 8	
1009	70008303	2	Bushing	
1010	70008304	1	Link	
1011	70008305	1	Link	
1012	70008306	4	Bolt 1/2 x 1 Grade 8	
1101	70008308	1	Spacer	
1102	70008309	2	Bearing, Cone	
1103	70008310	2	Bearing, Cup	
1104	70008311	1	Nut	
1105	70008312	1	Nut	
1106	70008313	1	Seal	
1201	70008314	1	O-Ring	
1202	See Note	NSS	Cap, Spindle (Note: Not Available for Purchase)	
1203	70008315	6	Bolt 3/8 x 1-1/4	
1301	70008277	1	Seal	
1302	70008282	1	O-Ring	
1303	See Note	1	Wheel	
1304	70008278	2	Bearing	
1305	70008307	1	Spacer	
1306	70008316	1	Seal	
1307	70008317	2	Ring, Snap	
1401	70008341	6	Washer 1/2	
1402	70007686	2	Bolt 7/16 x 1-1/4	
1403	70007687	2	Washer 1/2	
1404	70007688	2	Washer 7/16	
1405	70008318	1	Bearing/ Wheel Guide	
1405A	70008277	2	Seal	
1405B	70008282	2	O-Ring	
1405C	70008278	2	Bearing	
1405D	See Note	1	Guide, Wheel (Note: Not Available for Purchase)	
1405E	70008319	1	Spacer	
1406	See Note	NSS	Plate (Note: Not Available for Purchase)	
1407	70008320	1	Guide, Wheel	
1408	70008321	1	Spacer	
1409	70008306	6	Bolt 1/2 x 1 Grade 8	
1501	70008326	4	Bolt 1/2 x 1-1/4 Grade 8	
1502	70008327	2	Bolt 5/8 x 5	
1503	70008328	2	Nut 5/8 Grade 8	
1504	70008299	4	Washer 1/2	
1505	70008329	1	Housing, Axle	
1506	70008322	1	Axle Wheel Assembly	
1506A	70007684	2	Wheel	
1506B	70007685	2	Washer	
1506C	70007686	2	Bolt 7/16 x 1-1/4	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1506D	70007687	2	Washer 1/2	
1506E	70007688	2	Washer 7/16	
1506F	70008324	1	Adjuster	
1506G	70007696	2	Cap, Wheel	
1506H	70007698	2	O-Ring	
1601	See Note	NSS	Wheel and Axle (Note: Not Available for Purchase)	
1601A	70008277	4	Seal	
1601B	70008282	4	O-Ring	
1601C	70007686	2	Bolt 7/16 x 1-1/4	
1601D	70007687	2	Washer 1/2	
1601E	70007688	2	Washer 7/16	
1601F	70008283	2	O-Ring	
1601G	70008284	8	Bolt 32 x 1/2	
1601H	70008285	1	Rocker	
1601I	70008286	2	Spacer	
1601J	70008287	1	Spacer	
1601K	70008288	3	Wheel (Includes Items 2001-2003)	
1601L	70007276	2	Cap, Wheel	
1602	70008330	1	Wheel and Axle	
1602A	70008277	2	Cap, Wheel	
1602B	70008282	2	O-Ring	
1602C	70007686	2	Bolt 7/16 x 1-1/4	
1602D	70007687	2	Washer 1/2	
1602E	70007688	2	Washer 7/16	
1602F	70008283	2	O-Ring	
1602G	70008284	8	Bolt 10 x 1/2	
1602H	70008159	1	Axle, Rocker	
1602I	70008286	2	Spacer	
1602J	70008288	2	Wheel (Includes Items 2001-2003)	
1602K	70008276	2	Cap, Wheel	
1603	70008339	1	Rocker, Cushion	
1603A	70008332	4	Bolt 1/2 x 1-3/4	
1603B	70008333	4	Washer 1/2	
1603C	See Note	NSS	Plate (Note: Not Available for Purchase)	
1603D	70008334	1	Bolt 3/4 x 2	
1603E	70008301	1	Nut 3/4	
1603F	See Note	NSS	Rocker (Note: Not Available for Purchase)	
1603G	70008335	1	Cushion, Rocker	
1603H	70008336	1	Bushing	
1603I	70008337	2	Bushing	
1603J	70008338	2	Spacer	
1604	70008331	1	Rocker, Cushion	
1604A	70008332	4	Bolt 1/2 x 1-3/4 Grade 8	
1604B	70008333	4	Washer 1/2	
1604C	See Note	NSS	Plate (Note: Not Available for Purchase)	
1604D	70008334	1	Bolt 3/4 x 2	
1604E	70008301	1	Nut 3/4	
1604F	See Note	NSS	Rocker (Note: Not Available for Purchase)	
1604G	70008335	1	Cushion	
1604H	70008336	1	Bushing	
1604I	70008337	2	Bushing	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
1604J	70008338	2	Spacer	
2001	70008278	2	Bearing	
2002	70008307	1	Spacer	
2003	See Note	NSS	Wheel (Note: Not Available for Purchase)	

FIGURE 1-18. LP TANKS AND BRACKETS INSTALLATION (FORD ENGINES)

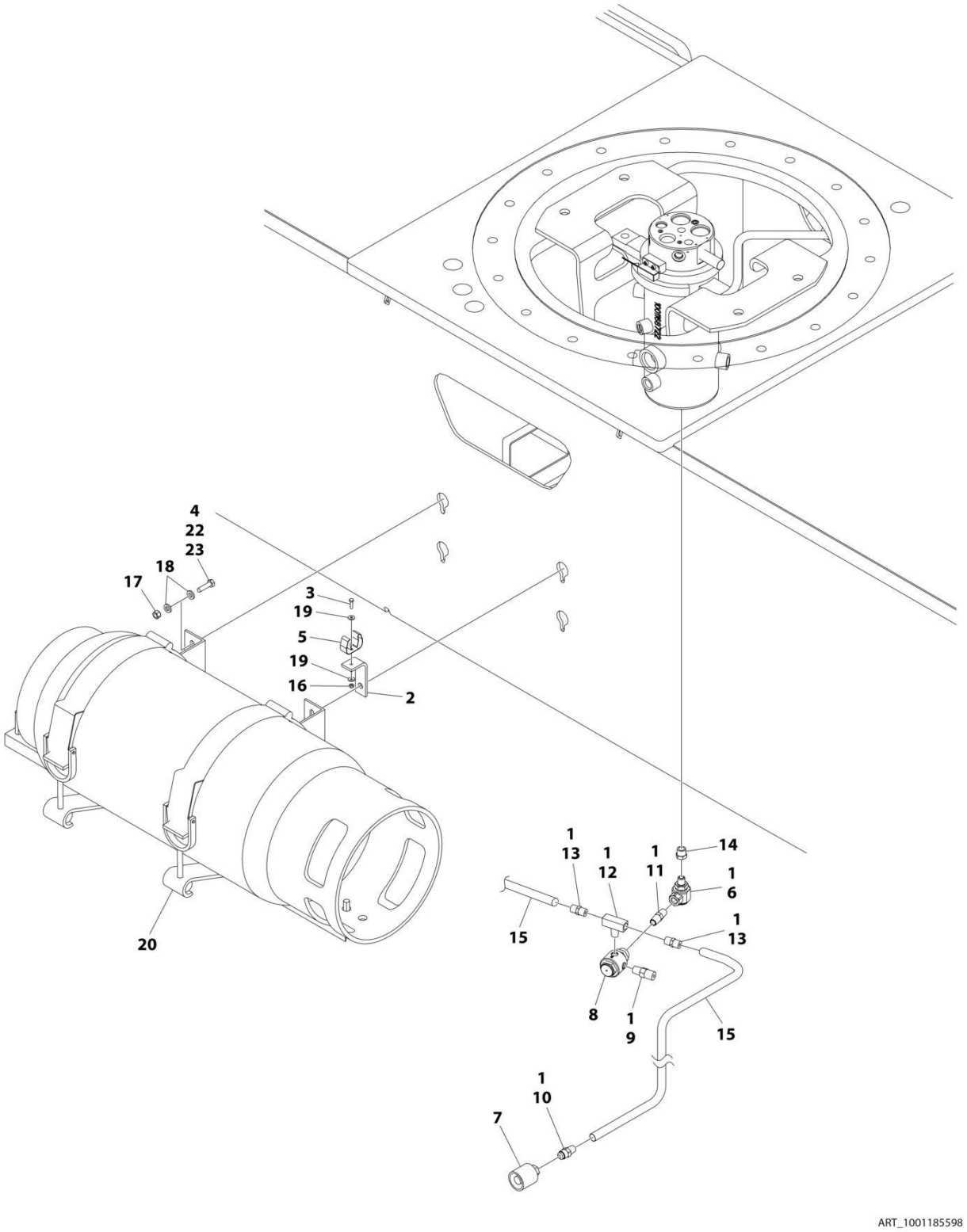
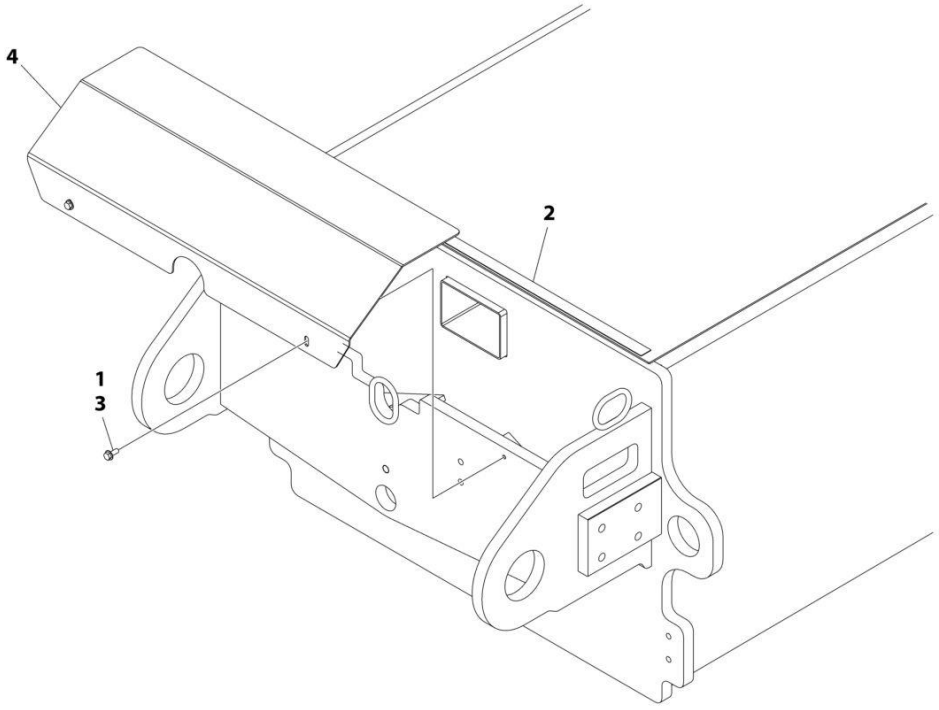


FIGURE 1-18. LP TANKS AND BRACKETS INSTALLATION (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185598	Ref	LP TANK AND BRACKETS INSTALLATION	D
1	0100020	AR	Sealant	
2	0181949	2	Angle	
3	0760408	2	Bolt M4 x 16	
4	0760816	8	Bolt M8 x 40	
5	1320218	2	Clamp	
6	1001247358	1	Fitting, 90	
7	2180387	2	Fitting, Tank Connector	
8	2180388	1	Fitting, Bulkhead	
9	2180389	1	Valve, Relief	
10	2180418	2	Fitting, Straight	
11	2220261	1	Fitting, Nipple	
12	2220418	1	Fitting, Tee	
13	2221024	2	Fitting, Ball Check	
14	2221197	1	Fitting, Straight	
15	2720144	2	Hose	
16	3290405	2	Nut M4	
17	3290805	8	Nut M8	
18	5240800	16	Washer M8	
19	1001091102	4	Washer M4	
20	1001184725	2	Clamp Kit	
20	1320127	2	Clamp, Toggle (1 Per Strap)	
21	4240018	2	Tie-Strap (Not Shown)	
22	0100011	AR	Compound, Locking	
23	0760814	8	Bolt M8 x 30	
100	4400275	2	Tank, LP	

FIGURE 1-19. FRAME COVERS INSTALLATION - 2WS

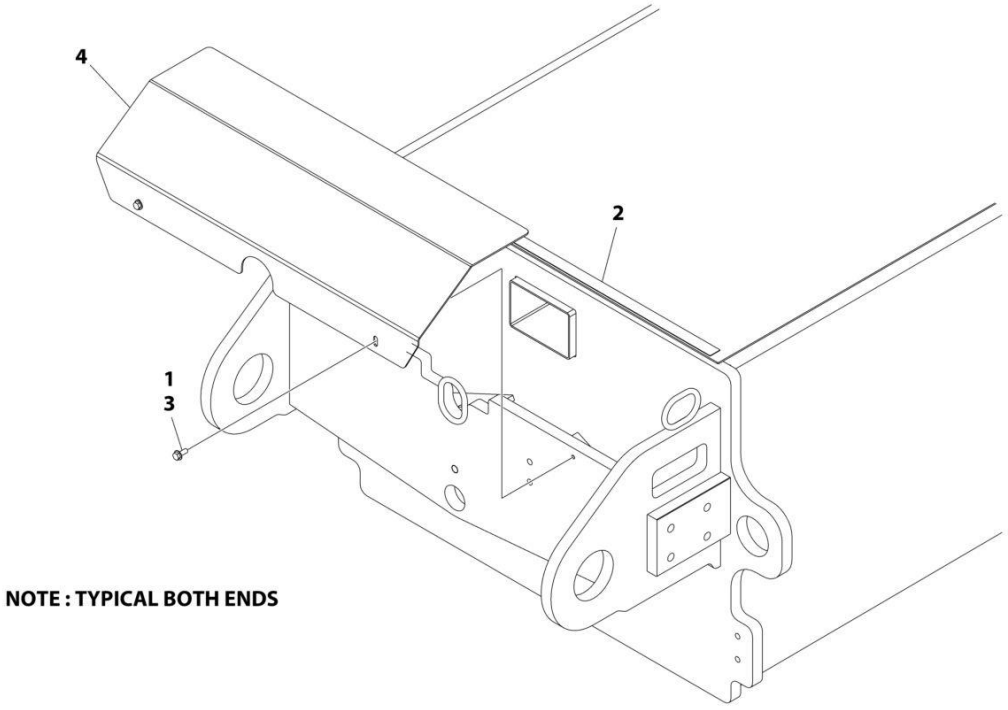


ART_1001187864

FIGURE 1-19. FRAME COVERS INSTALLATION - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187864	Ref	FRAME COVERS INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	4280296	32 in/ 80cm	Tape	
3	5250810	2	Bolt M8 x 20	
4	1001187870	1	Cover	

FIGURE 1-20. FRAME COVERS INSTALLATION - 4WS



ART_1001187866

FIGURE 1-20. FRAME COVERS INSTALLATION - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187866	Ref	FRAME COVERS INSTALLATION	B
	1001187864	Ref	FRAME COVERS INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	4280296	64 in/ 160cm	Tape	
3	5250810	4	Bolt M8 x 20	
4	1001187870	2	Cover	

FIGURE 1-21. TOW BAR INSTALLATION

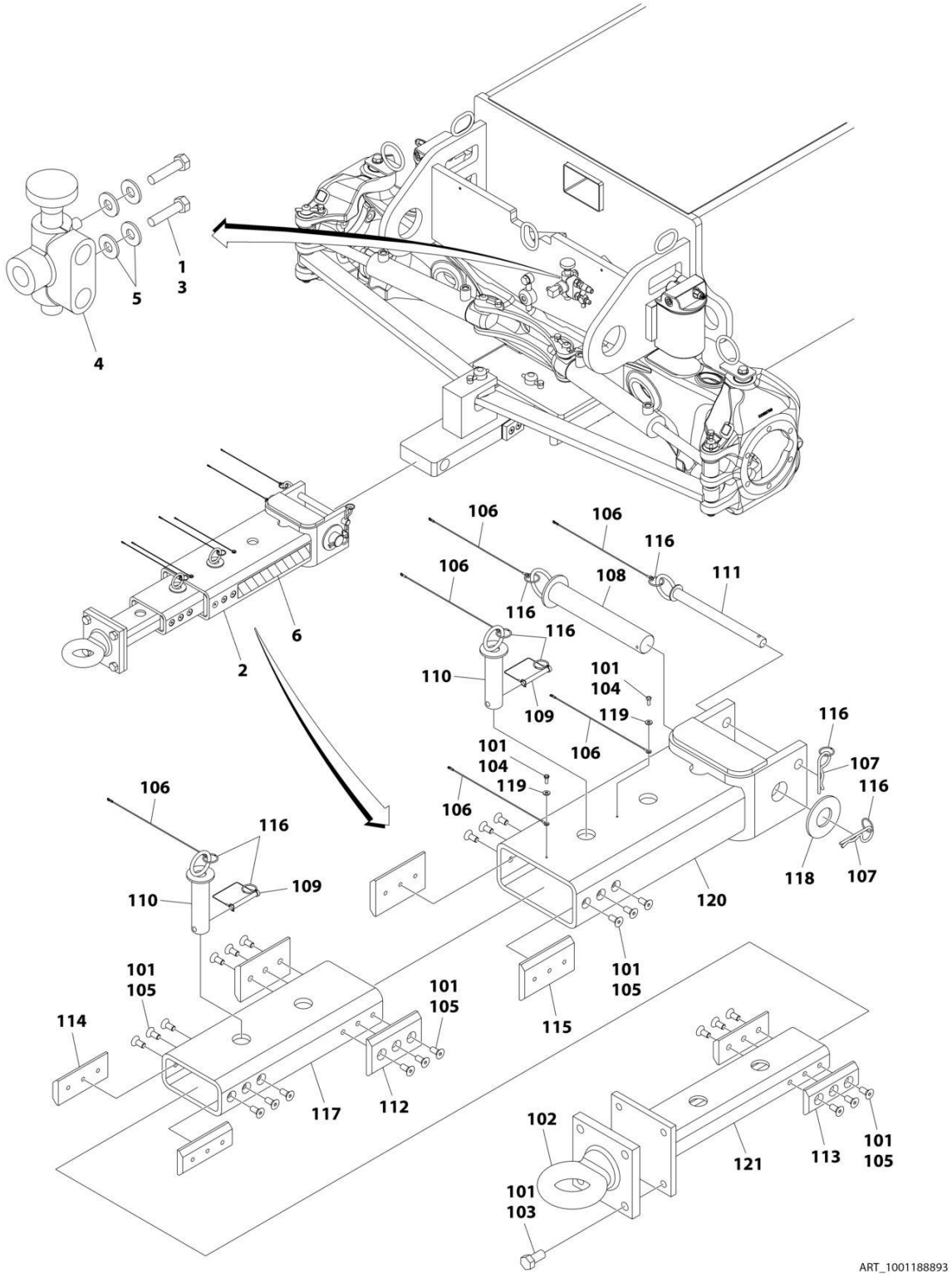


FIGURE 1-21. TOW BAR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188893	Ref	TOW BAR INSTALLATION	B
		Ref	MACHINES WITH SN STARTING WITH 03:	
	1001150571	Ref	ANSI Spec	D
	1001150570	Ref	CSA Spec	D
	1001150569	Ref	CE & UK CA Spec	A
		Ref	MACHINES WITH SN STARTING WITH B3:	
	1001150571	Ref	ANSI Export Spec	D
1	0100011	AR	Compound, Locking	
2	0270528	1	Tow Bar Assembly (See Items 101-121 for Breakdown)	
3	0641511	2	Bolt 5/6 x 1-3/8	
4	4640261	1	Valve, Select	
5	4751500	4	Washer 5/16	
6	4420051	2 ft/.61m	Tape, Safety	
	0270528	Ref	Tow Bar Assembly	B
101	0100011	AR	Compound, Locking	
102	0362910	1	Pintle, Draw Eye	
103	0642010	4	Bolt 5/8 x 1-1/4	
104	0721004	2	Screw	
105	0741607	24	Screw 3/8 x 7/8	
106	1060584	6	Lanyard	
107	3420372	2	Pin, Cotter	
108	3420447	1	Pin	
109	3421565	2	Snap - Pin	
110	3422841	2	Pin	
111	3422847	1	Pin	
112	3572009	2	Plate, Slide Stop	
113	3572010	2	Plate, Slide Stop	
114	3572011	2	Plate, Slide Stop	
115	3572012	2	Plate, Slide Stop	
116	3760170	8	Ring, Split	
117	4568133	1	Tube, Tow Bar	
118	4740036	1	Washer	
119	4751000	2	Washer #10	
120	4846295	1	Tube, Tow Bar Attach	
121	4846296	1	Tube, Pintle Attach	

SECTION 2 - TURNTABLE

FIGURE 2-1. VALVE INSTALLATION - WITH 2WS (600S)

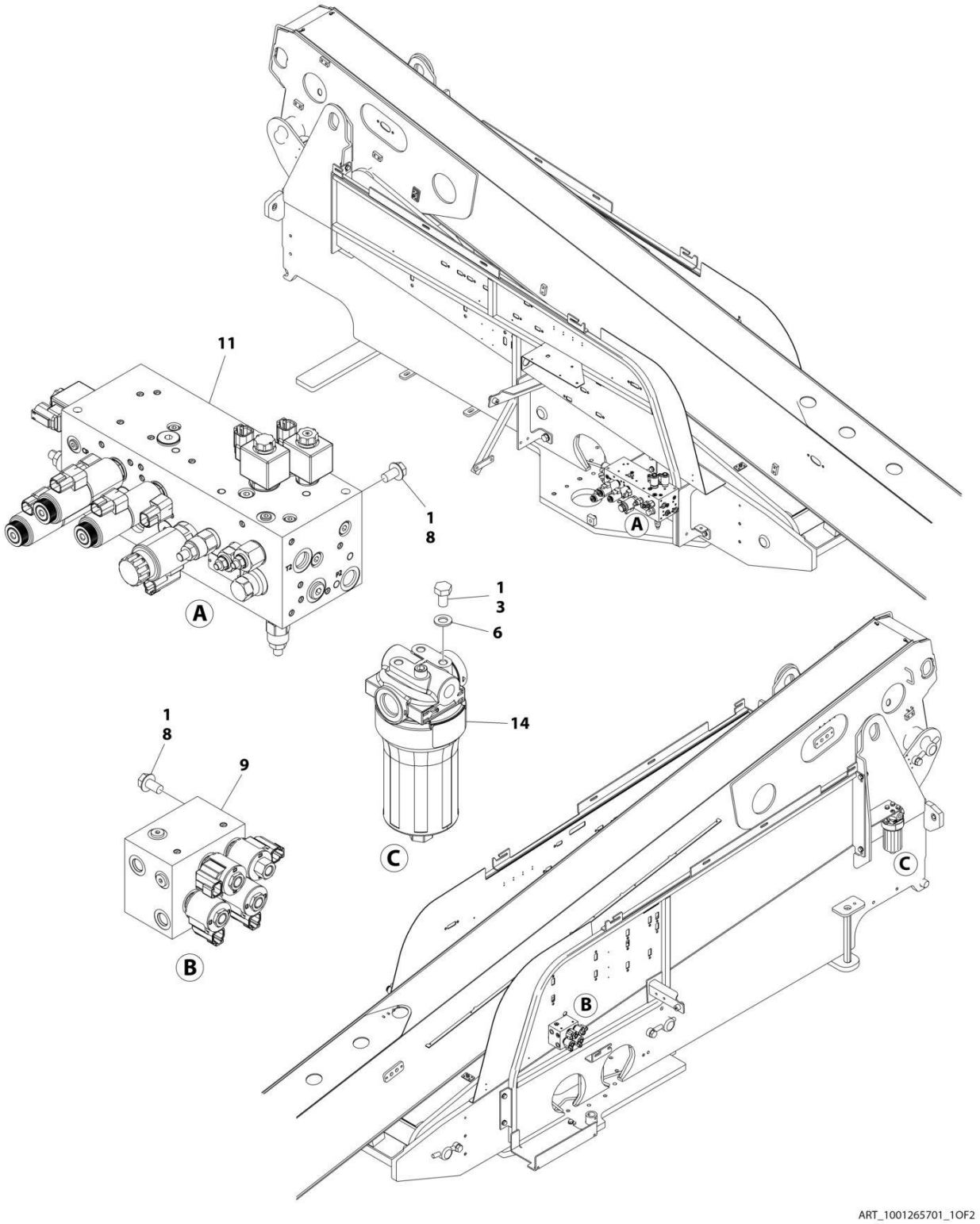


FIGURE 2-1. VALVE INSTALLATION - WITH 2WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265701	Ref	VALVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
3	0761009	6	Bolt M10 x 18	
6	4812000	6	Washer M10	
8	5251009	6	Bolt M10 x 18	
9	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
11	1001190169	1	Main Valve Assembly (See Separate Breakdown in this Section)	
14	1001208874	1	Filter, Hydraulic	
14	70010383	1	Element, Filter	

FIGURE 2-2. VALVE INSTALLATION - WITH 4WS (600S)

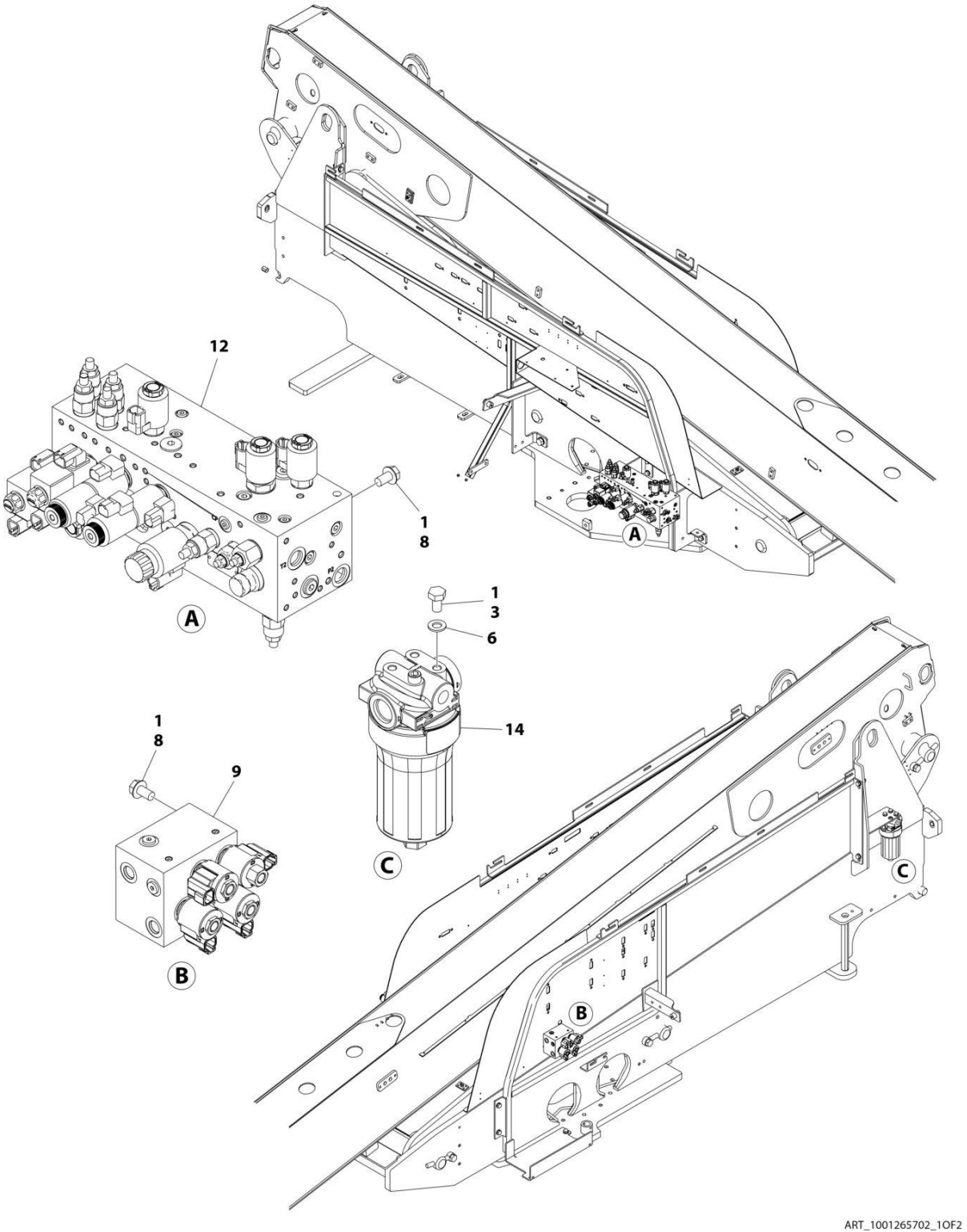


FIGURE 2-2. VALVE INSTALLATION - WITH 4WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265702	Ref	VALVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
3	0761009	6	Bolt M10 x 18	
6	4812000	6	Washer M10	
8	5251009	6	Bolt M10 x 18	
9	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
12	1001190326	1	Main Valve Assembly (See Separate Breakdown in this Section)	
14	1001208874	1	Filter, Hydraulic	
14	70010383	1	Element, Filter	

FIGURE 2-3. VALVE INSTALLATION - WITH 2WS (660SJ)

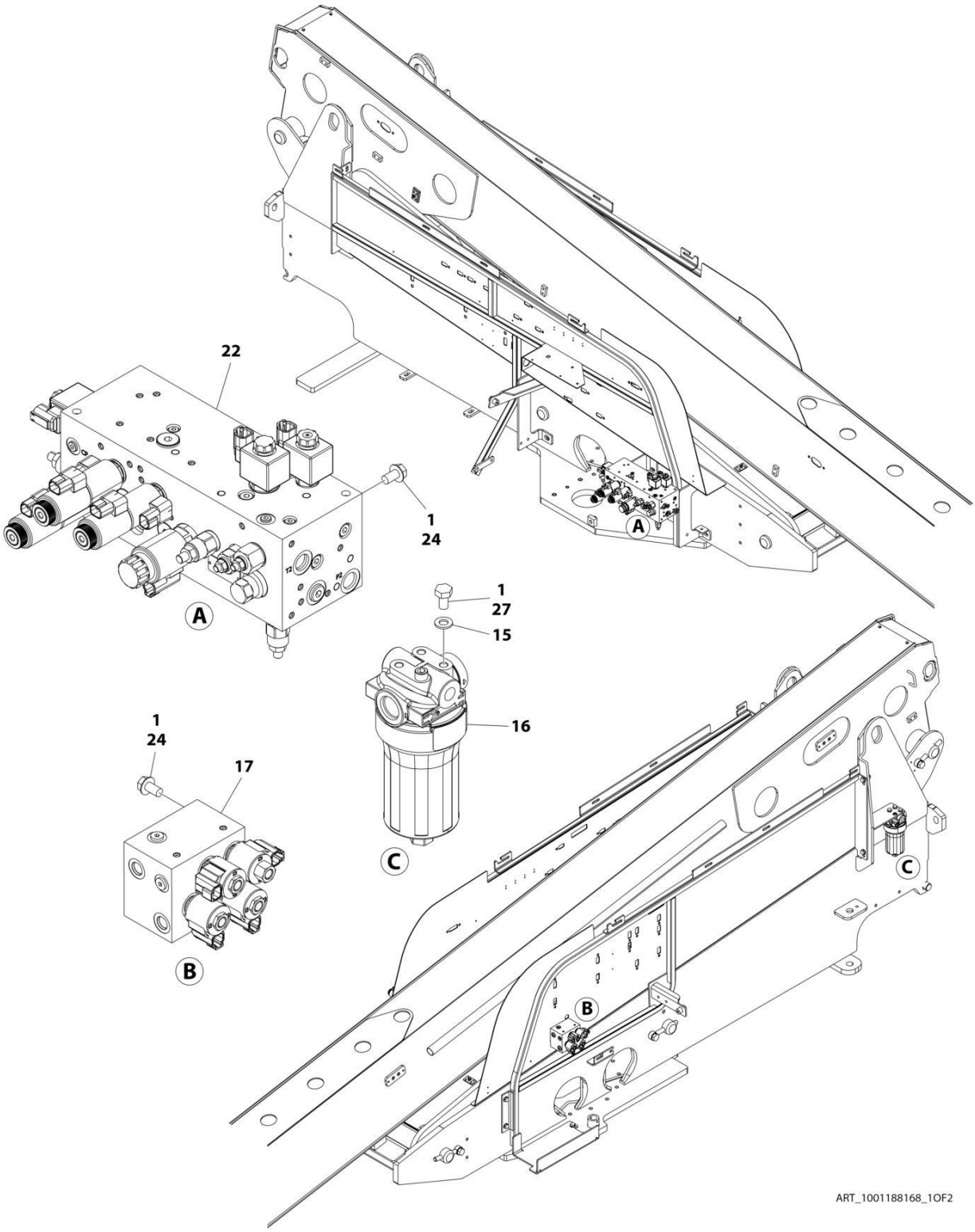


FIGURE 2-3. VALVE INSTALLATION - WITH 2WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188168	Ref	VALVE INSTALLATION	G
1	0100011	AR	Compound, Locking	
15	4812000	3	Washer M10	
16	1001208874	1	Filter, Hydraulic	
16	70010383	1	Element, Filter	
17	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
22	1001190169	1	Main Valve Assembly (See Separate Breakdown in this Section)	
24	5251009	6	Bolt M10 x 18	
27	0761009	3	Bolt M10 x 18	

FIGURE 2-4. VALVE INSTALLATION - WITH 4WS (660SJ)

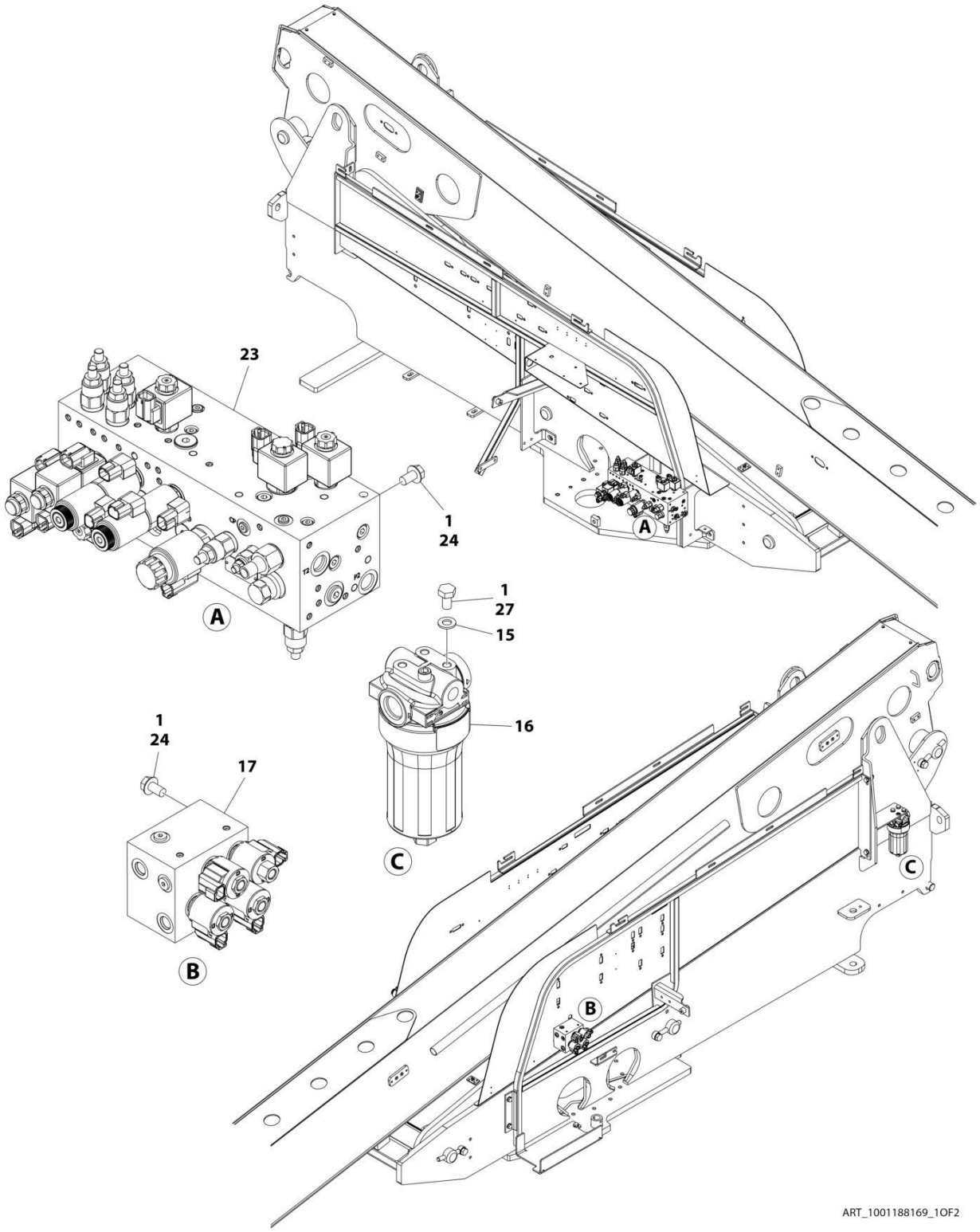


FIGURE 2-4. VALVE INSTALLATION - WITH 4WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188169	Ref	VALVE INSTALLATION	G
1	0100011	AR	Compound, Locking	
15	4812000	3	Washer M10	
16	1001208874	1	Filter, Hydraulic	
16	70010383	1	Element, Filter	
17	1001162538	1	Axle Valve Assembly (See Separate Breakdown in this Section)	
23	1001190326	1	Main Valve Assembly (See Separate Breakdown in this Section)	
24	5251009	6	Bolt M10 x 18	
27	0761009	3	Bolt M10 x 18	

FIGURE 2-5. MAIN VALVE ASSEMBLY - 2WS

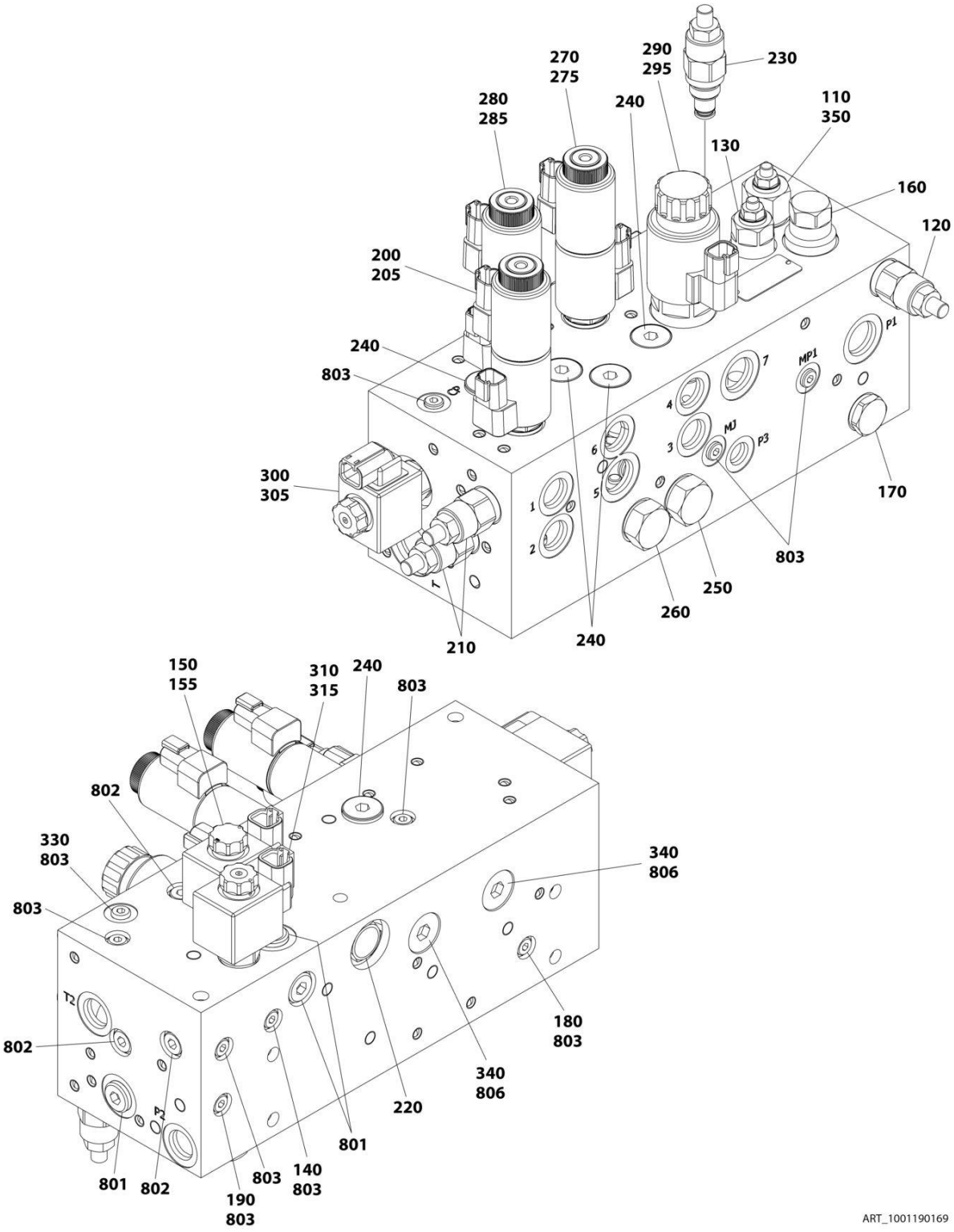


FIGURE 2-5. MAIN VALVE ASSEMBLY - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190169	Ref	MAIN VALVE ASSEMBLY	F
110	70006109	1	Valve, Flow/Pressure Control	
110	70004656	1	Seal Kit - 70006109 Valve	
120	70003019	1	Valve, Relief	
120	70004052	1	Seal Kit - 70003019 Valve	
130	70004607	1	Valve, Relief	
130	70004602	1	Seal Kit - 70004607 Valve	
140	70004668	1	Orifice	
150	70006111	1	Valve, Solenoid Without Coil	
150	70004584	1	Seal Kit - 70006111 Valve	
150	70004051	1	Coil Nut & Pole Tube O-Ring Kit	
155	70004653	1	Coil	
160	70006112	1	Valve, Load Sense	
160	70006113	1	Seal Kit - 70006112 Valve	
170	70005952	1	Valve, Check	
170	70004052	1	Seal Kit - 70005952 Valve	
180	7022527	1	Orifice 2mm	
190	7022527	1	Orifice 2mm	
200	70004659	1	Valve, Solenoid Without Coil (Steer)	
200	70004660	1	Seal Kit	
200	70004661	1	Nut, Coil	
200	70024457	1	O-Ring at Coil Nut	
200	70004662	1	O-Ring at Bottom of Pole Tube	
205	80434249	2	Coil	
210	70003019	2	Valve, Relief	
210	70004052	2	Seal Kit - 70003019 Valve	
220	70003027	1	Valve, Flow/Pressure Control	
220	70004052	1	Seal Kit - 70003027 Valve	
230	70003019	1	Valve, Relief	
230	70004052	1	Seal Kit - 70003019 Valve	
240	70023859	5	Valve, Relief	
240	70023860	5	Seal Kit - 70023859 Valve	
250	70006114	1	Valve, Pressure Compensator	
250	70004656	1	Seal Kit - 70006114 Valve	
260	70006114	1	Valve, Pressure Compensator	
260	70004656	1	Seal Kit - 70006114 Valve	
270	70006115	1	Valve, Solenoid Without Coil (Swing)	
270	70006116	1	Seal Kit - 70006115 Valve	
270	70004661	1	Nut, Coil	
270	70024457	1	O-Ring at Coil Nut	
270	70004662	1	O-Ring at Bottom of Pole Tube	
275	80434249	2	Coil	
280	70006117	1	Valve, Solenoid Without Coil (Tele)	
280	70006116	1	Seal Kit - 70006117 Valve	
280	70004661	1	Nut, Coil	
280	70024457	1	O-Ring at Coil Nut	
280	70004662	1	O-Ring at Bottom of Pole Tube	
285	80434249	2	Coil	
290	70004657	1	Valve, Solenoid (Lift)	
290	70004594	1	Seal Kit - 70004657 Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
290	70004597	1	Nut, Coil	
290	70004596	1	O-Ring at Coil Nut	
295	70004595	1	Coil	
300	70004598	1	Valve, Solenoid (Lift)	
300	70004055	1	Seal Kit - 70004598 Valve	
300	70005947	1	Coil Nut & Pole Tube O-Ring Kit	
305	70004653	1	Coil	
310	70006118	1	Valve, Solenoid (Lift)	
310	70004052	1	Seal Kit - 70006118 Valve	
310	70004051	1	Coil Nut & Pole Tube O-Ring Kit	
315	70004653	1	Coil	
330	7023821	1	Orifice 0.8mm	
340	70006119	2	Valve, Check	
350	70006357	1	Orifice 4mm	
801	70002759	3	Plug	
802	70004617	3	Plug	
803	70002758	10	Plug	
806	70006120	2	Plug	

FIGURE 2-6. MAIN VALVE ASSEMBLY - 4WS

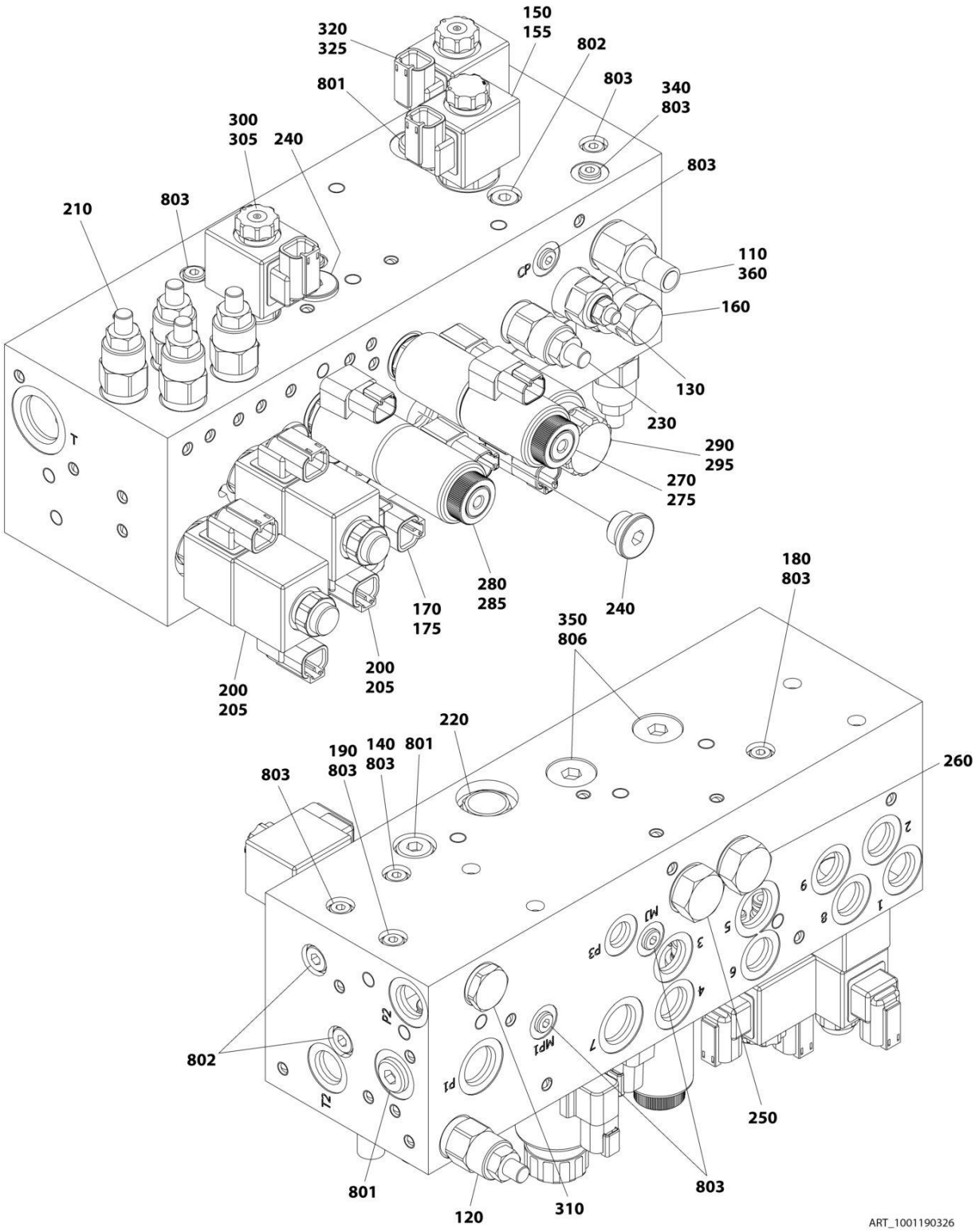


FIGURE 2-6. MAIN VALVE ASSEMBLY - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190326	Ref	MAIN VALVE ASSEMBLY	F
110	70006109	1	Valve, Flow/Pressure Control	
110	70004656	1	Seal Kit - 70006109 Valve	
120	70003019	1	Valve, Relief	
120	70004052	1	Seal Kit - 70003019 Valve	
130	70004607	1	Valve, Relief	
130	70004602	1	Seal Kit - 70004607 Valve	
140	70004668	1	Orifice	
150	70006111	1	Valve, Solenoid without Coil	
150	70004584	1	Seal Kit - 70006111 Valve	
150	70004051	1	Coil Nut & Pole Tube O-Ring Kit	
155	70004653	1	Coil	
160	70006112	1	Valve, Load Sense	
160	70006113	1	Seal Kit - 70006112 Valve	
170	70006128	1	Valve, Solenoid without Coil	
170	70004055	1	Seal Kit - 70006128 Valve	
170	70005947	1	Coil Nut & Pole Tube O-Ring Kit	
175	70004653	1	Coil	
180	7022527	1	Orifice 2mm	
190	7022527	1	Orifice 2mm	
200	70006124	2	Valve, Solenoid without Coil	
200	70004053	2	Seal Kit - 70006124 Valve	
200	70006123	2	Coil Nut & Pole Tube O-Ring Kit	
205	70004653	4	Coil	
210	70003019	4	Valve, Relief	
210	70004052	4	Seal Kit - 70003019 Valve	
220	70003027	1	Valve, Flow/Pressure Control	
220	70004052	1	Seal Kit - 70003027 Valve	
230	70003019	1	Valve, Relief	
230	70004052	1	Seal Kit - 70003019 Valve	
240	70023859	5	Valve, Relief	
240	70023860	5	Seal Kit - 70023859 Valve	
250	70006114	1	Valve, Pressure Compensator	
250	70004656	1	Seal Kit - 70006114 Valve	
260	70006114	1	Valve, Pressure Compensator	
260	70004656	1	Seal Kit - 70006114 Valve	
270	70006115	1	Valve, Solenoid without Coil (Swing)	
270	70006116	1	Seal Kit - 70006115 Valve	
270	70004661	1	Nut, Coil	
270	70024457	1	O-Ring at Coil Nut	
270	70004662	1	O-Ring at Bottom of Pole Tube	
275	80434249	2	Coil	
280	70006117	1	Valve, Solenoid without Coil (Tele)	
280	70006116	1	Seal Kit - 70006117 Valve	
280	70004661	1	Nut, Coil	
280	70024457	1	O-Ring at Coil Nut	
280	70004662	1	O-Ring at Bottom of Pole Tube	
285	80434249	2	Coil	
290	70004657	1	Valve, Solenoid (Lift)	
290	70004594	1	Seal Kit - 70004657 Valve	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
290	70004597	1	Nut, Coil	
290	70004596	1	O-Ring at Coil Nut	
295	70004595	1	Coil	
300	70004598	1	Valve, Solenoid (Lift)	
300	70004055	1	Seal Kit - 70004598 Valve	
300	70005947	1	Coil Nut & Pole Tube O-Ring Kit	
305	70004653	1	Coil	
310	70005952	1	Valve, Check	
310	70004052	1	Seal Kit - 70005952 Valve	
320	70006118	1	Valve, Solenoid (Lift)	
320	70004052	1	Seal Kit - 70006118 Valve	
320	70004051	1	Coil Nut & Pole Tube O-Ring Kit	
325	70004653	1	Coil	
340	7023821	1	Orifice .8mm	
350	70006119	2	Valve, Check	
360	70006357	1	Orifice 4mm	
801	70002759	3	Plug	
802	70004617	3	Plug	
803	70002758	11	Plug	
806	70006120	2	Plug	

FIGURE 2-7. AXLE VALVE ASSEMBLY

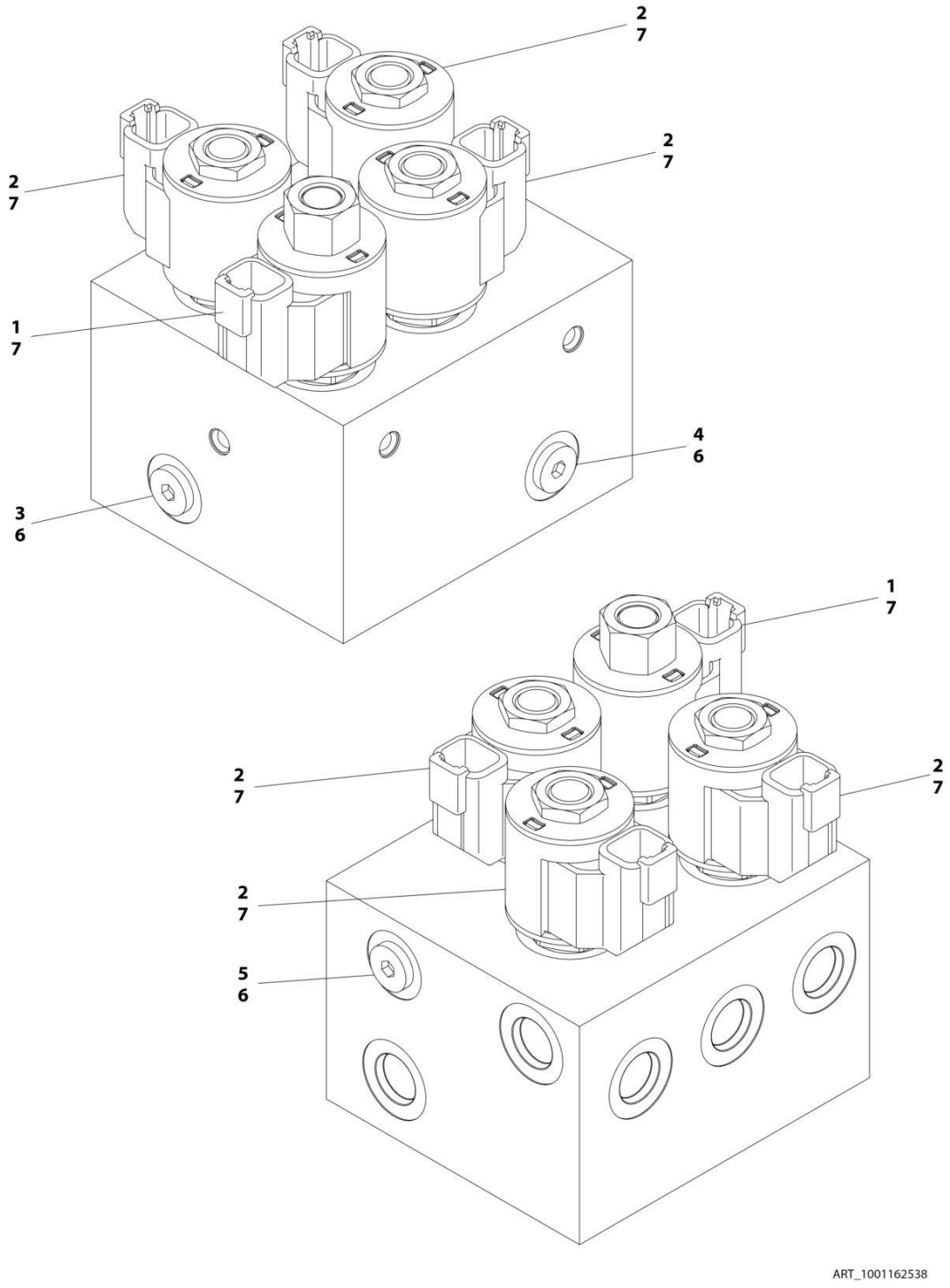


FIGURE 2-7. AXLE VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001162538	Ref	AXLE VALVE ASSEMBLY	D
1	7017410	1	Cartridge, Solenoid Valve Less Coil (Secondary Axle Release)	
1	7012967	1	Seal Kit - 7017410 Valve	
2	7012941	3	Cartridge, Solenoid Valve Less Coil (Brake Release, Primary Axle Release and 2 Speed)	
2	7010543	3	Seal Kit - 7012941 Valve	
3	70004883	1	Orifice	
4	70004884	1	Orifice	
5	70002063	1	Orifice	
6	2220883	3	Plug, O-Ring #4	
7	70002386	4	Coil	

FIGURE 2-8. SWING DRIVE INSTALLATION

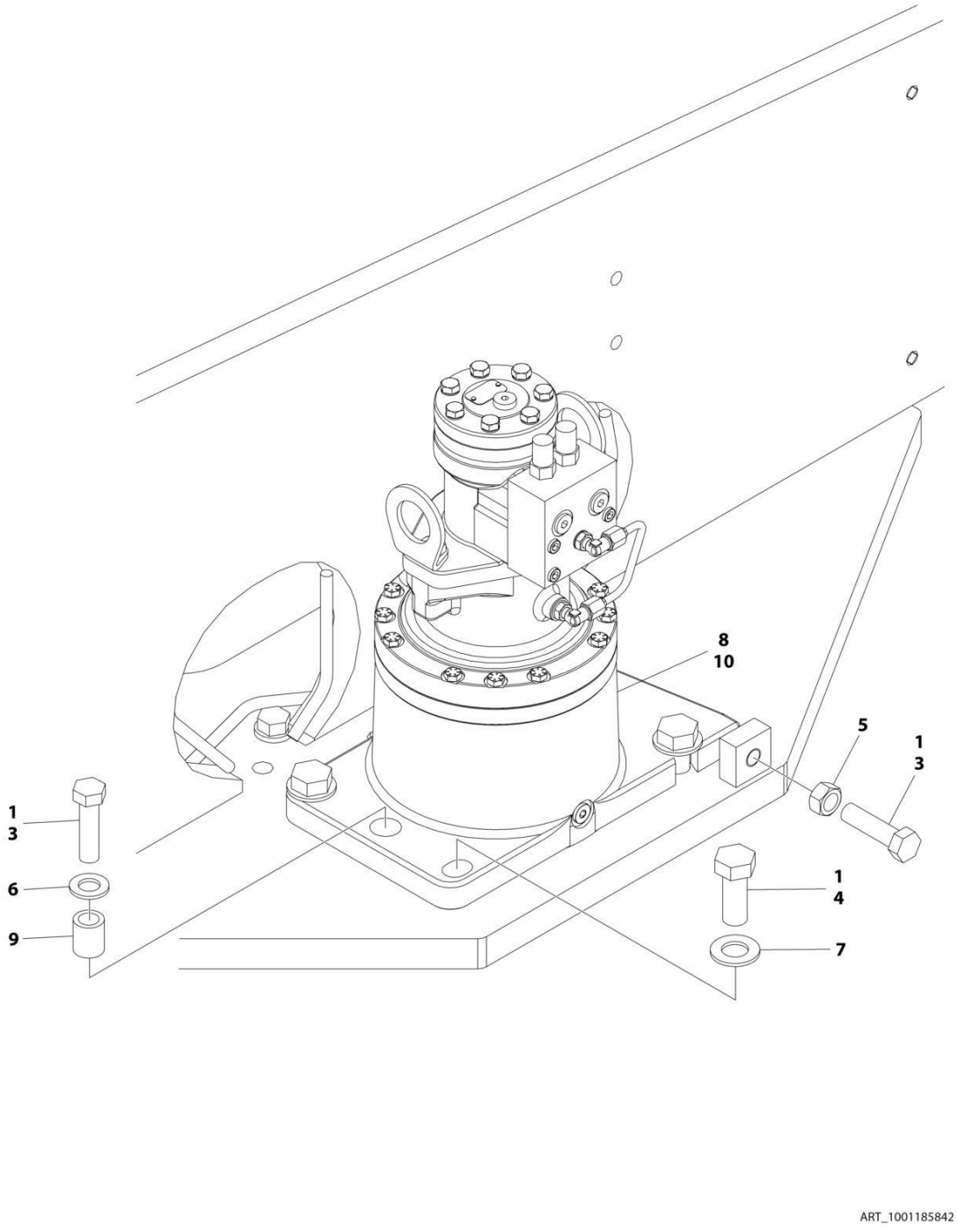
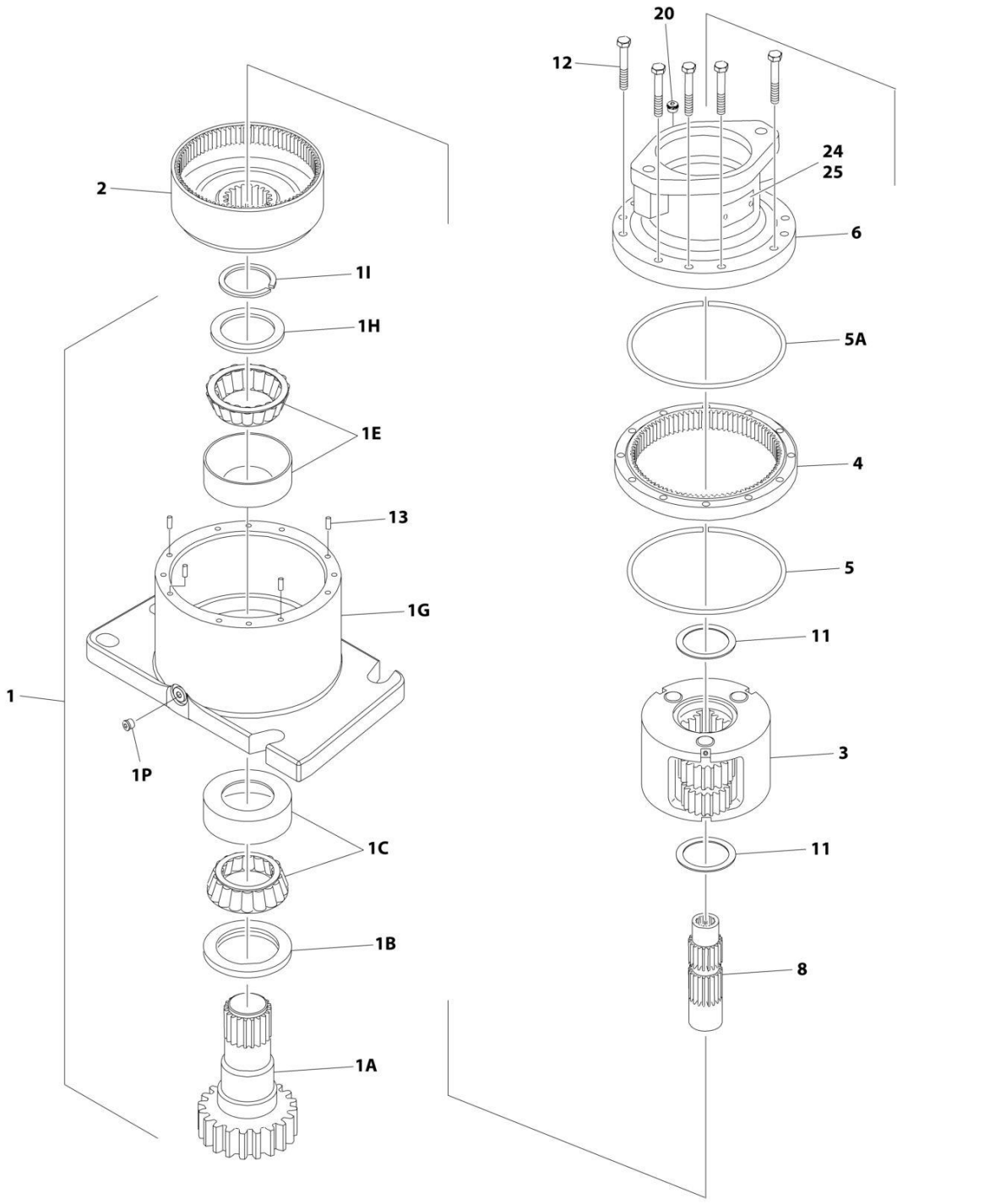


FIGURE 2-8. SWING DRIVE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185842	Ref	SWING DRIVE INSTALLATION	B
1	0100019	AR	Compound, Locking	
3	0771620	2	Bolt M16 x 60	
4	0772018	4	Bolt M20 x 50	
5	3291601	1	Nut M16	
6	5241600	1	Washer M16	
7	5242000	4	Washer M20	
8	1001125492	1	Shim	
9	1001134543	1	Spacer	
10	1001187855	1	Swing Motor/Hub Assembly (See Separate Breakdown in this Section)	

FIGURE 2-9. SWING MOTOR/HUB ASSEMBLY



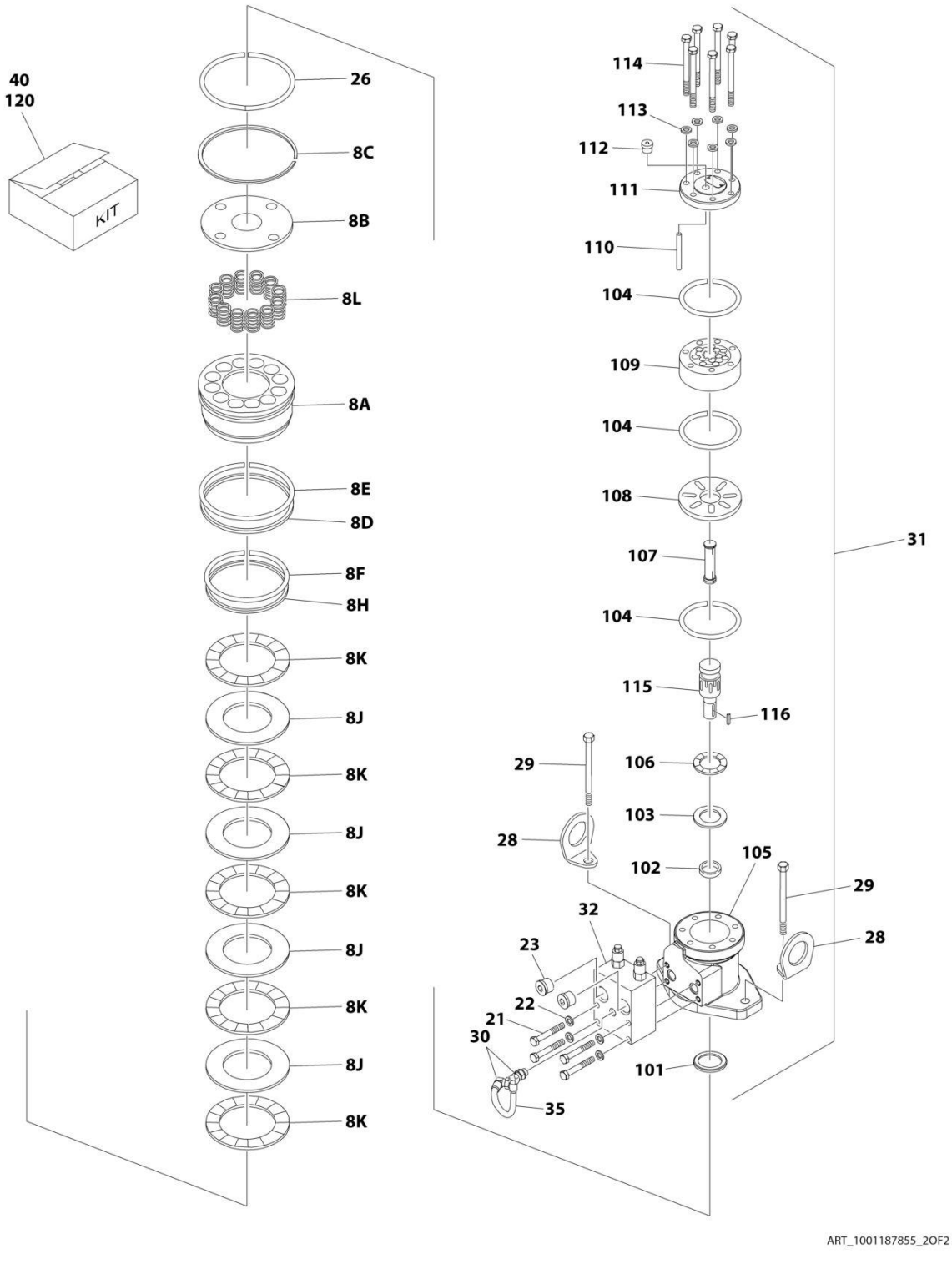

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8B
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ART_1001187855_2OF2

FIGURE 2-9. SWING MOTOR/HUB ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187855	Ref	SWING MOTOR/HUB ASSEMBLY	D
1	See Note	NSS	Housing/Shaft Assembly (Note: Not Available - Purchase Complete Swing Motor/Hub Assembly)	
1A	7010492	1	Shaft, Output	
1B	7000228	1	Seal, Lip	
1C	7000255	1	Bearing Kit (Includes Cup and Cone)	
1E	7000257	1	Bearing Kit (Includes Cup and Cone)	
1G	See Note	1	Housing (Note: Not Available for Purchase)	
1H	7007633	1	Thrustwasher	
1I	7000229	1	Ring, Retaining	
1P	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	7000247	1	Carrier Assembly	
3A	7001931	1	Carrier	
3B	7001985	6	Washer, Tanged	
3C	7001909	96	Bearing, Needle	
3D	7000263	3	Thrustwasher	
3E	7001911	3	Shaft, Planet	
3F	7001912	3	Gear, Cluster	
3G	7010474	3	Roll Pin	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring (Black)	
5A	7017070	1	O-Ring (White)	
6	See Note	NSS	Housing, Brake (Note: Not Available for Purchase)	
7	70005203	1	Gear, Sun	
8		Ref	Brake Components	
8A	70004037	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	70004039	1	Ring, Retaining	
8D	70004041	1	O-Ring	
8E	70004044	1	Ring, Back-up	
8F	70004042	1	O-Ring	
8H	70004043	1	Ring, Back-up	
8J	See Note	NSS	Rotor, Brake (Note: Use p/n 70002085)	
8K	See Note	NSS	Stator, Brake (Note: Use p/n 70002085)	
8L	70002066	7	Spring, Brake	
11	7000253	2	Thrustwasher	
12	7000217	12	Bolt, 5/16 x 2-1/4 Grade 8	
13	7017080	4	Pin, Dowel	
20	7017072	1	Plug, Pipe	
21	7024704	4	Bolt 5/16 x 2 Grade 8	
22	70004045	4	Lockwasher	
23	7017023	2	Plug, Pipe	
24	See Note	NSS	Plate, ID (Note: Not Available for Purchase)	
25	See Note	NSS	Rivet	
26	7024763	1	O-Ring	
28	See Note	NSS	Lug, Lifting (Note: Not Available for Purchase)	
29	70004040	2	Bolt 1/2 x 1-1/2 Grade 8	
30	7017085	2	Elbow	
31	70006304	1	Motor Assembly (See Items 101-120 for Breakdown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
32	7024784	1	Valve (No Serviceable Parts)	
33	7017082	1	Plug, Pipe (Not Shown)	
35	70004047	1	Tube	
40	7024100	1	Seal Kit - Hub (Includes Items 1B, 1I, 5, 5A & 11)	
	70006304	Ref	Motor Assembly	
101	See Note	NSS	Seal, Dust (Note: Use Item 120)	
102	See Note	NSS	Seal, Shaft (Note: Use Item 120)	
103	See Note	NSS	Thrustwasher (Note: Use Item 120)	
104	See Note	NSS	Seal, Ring (Note: Use Item 120)	
105	See Note	NSS	Hosuing (Note: Purchase Complete Assembly)	
106	70006306	1	Bearing, Thrust	
107	7005889	1	Link, Drive	
108	70006307	1	Plate, Wear	
109	70006310	1	Rotor Set	
110	7005891	1	Pin	
111	70006308	1	Cover, End	
112	See Note	NSS	Plug (Note: Purchase Complete Assembly)	
113	70006309	1	Washer Kit (Includes 7 Washers)	
114	70006313	1	Bolt Kit (Includes 7 Bolts)	
115	See Note	NSS	Shaft (Note: Purchase Complete Assembly)	
116	See Note	NSS	Key (Note: Purchase Complete Assembly)	
120	70006305	1	Seal Kit - Motor (Includes Items 101-104)	

FIGURE 2-10. TURNTABLE BEARING AND LUBE INSTALLATION

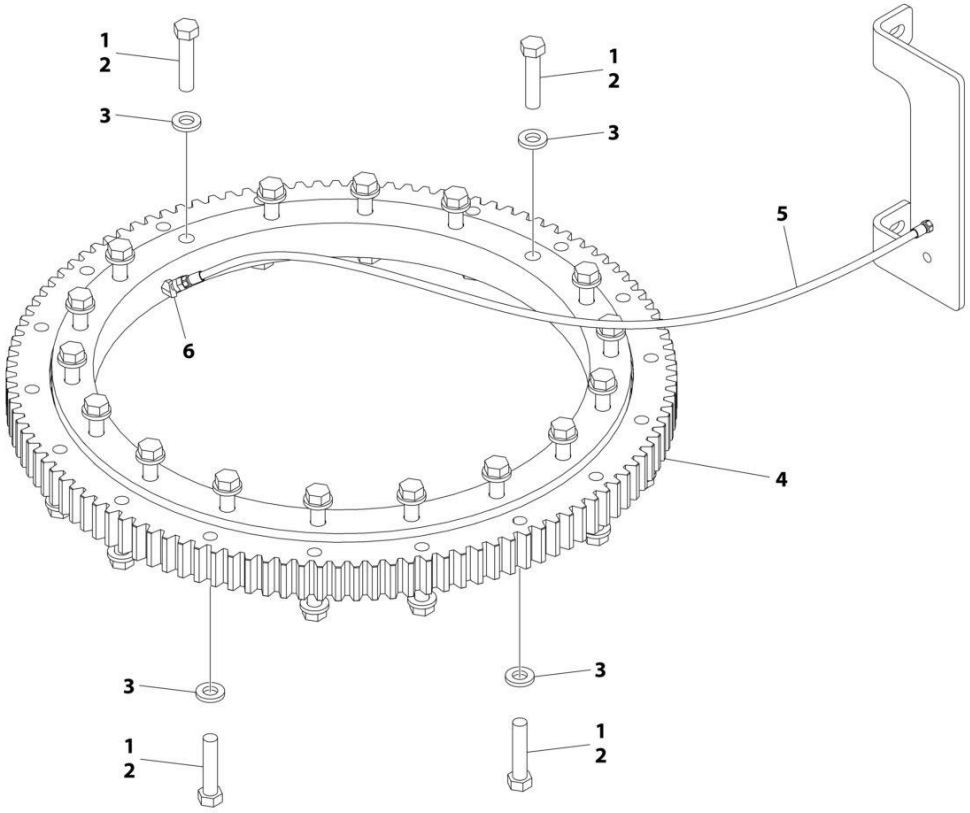
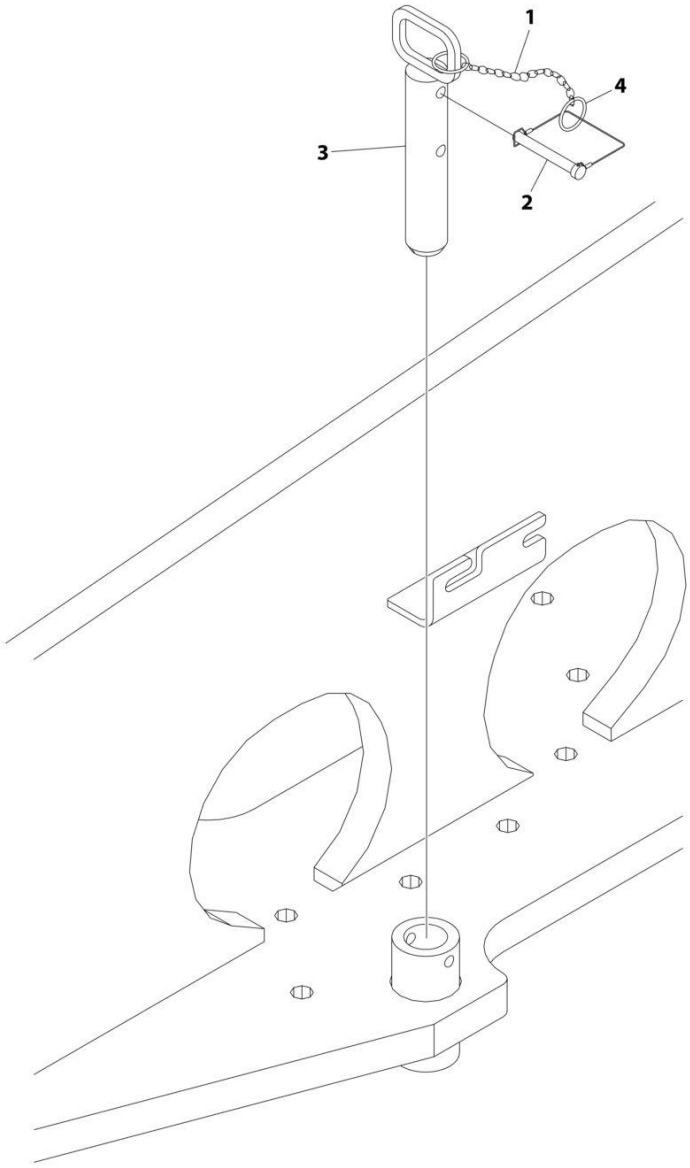


FIGURE 2-10. TURNTABLE BEARING AND LUBE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001185709	Ref	TURNTABLE BEARING AND LUBE INSTALLATION	D
1	0100019	AR	Compound, Locking	
2	0682023	36	Bolt 5/8 x 2-7/8	
3	4892000	36	Washer 5/8	
4	0440233	1	Bearing, Turntable	
5	1001188125	1	Hose	
6	2220124	1	Fitting, 45	

FIGURE 2-11. TURNTABLE LOCK INSTALLATION



ART_1001187022_B

FIGURE 2-11. TURNTABLE LOCK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187022	Ref	TURNTABLE LOCK INSTALLATION	B
1	1260017	9 in/23cm	Chain	
2	3421565	1	Snap-Pin	
3	1001169582	1	Pin, Lock	
4	3760170	2	Ring	

FIGURE 2-12. ROTARY COUPLING INSTALLATION - 2WS

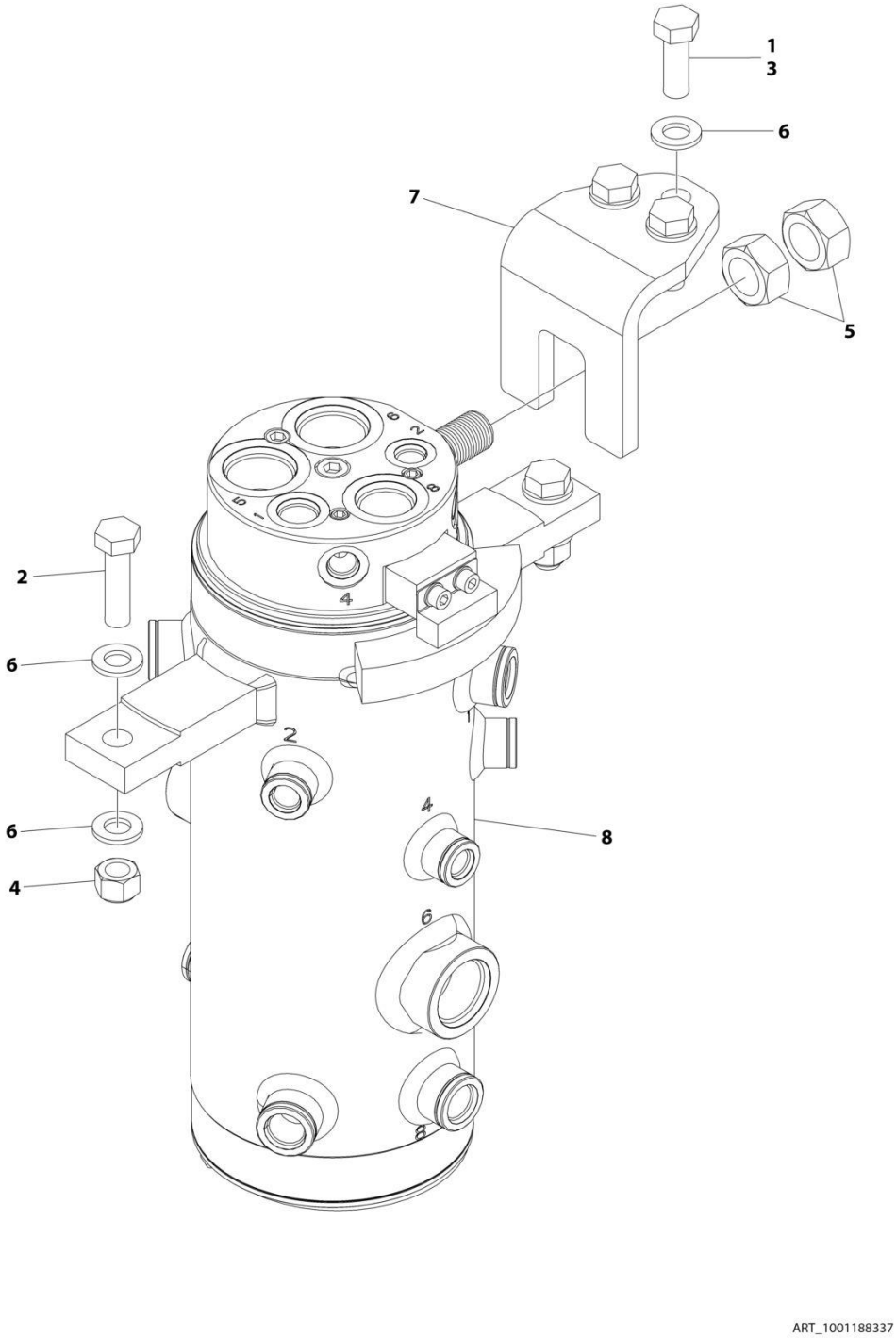


FIGURE 2-12. ROTARY COUPLING INSTALLATION - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188337	Ref	ROTARY COUPLING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0701217	2	Bolt M12 x 45	
3	0761215	3	Bolt M12 x 35	
4	3291205	2	Nut M12	
5	3292001	2	Nut M20	
6	4812100	7	Washer M12	
7	1001187953	1	Mount	
8	1001188334	1	Rotary Coupling Assembly (See Separate Breakdown in this Section)	

FIGURE 2-13. ROTARY COUPLING ASSEMBLY - 2WS

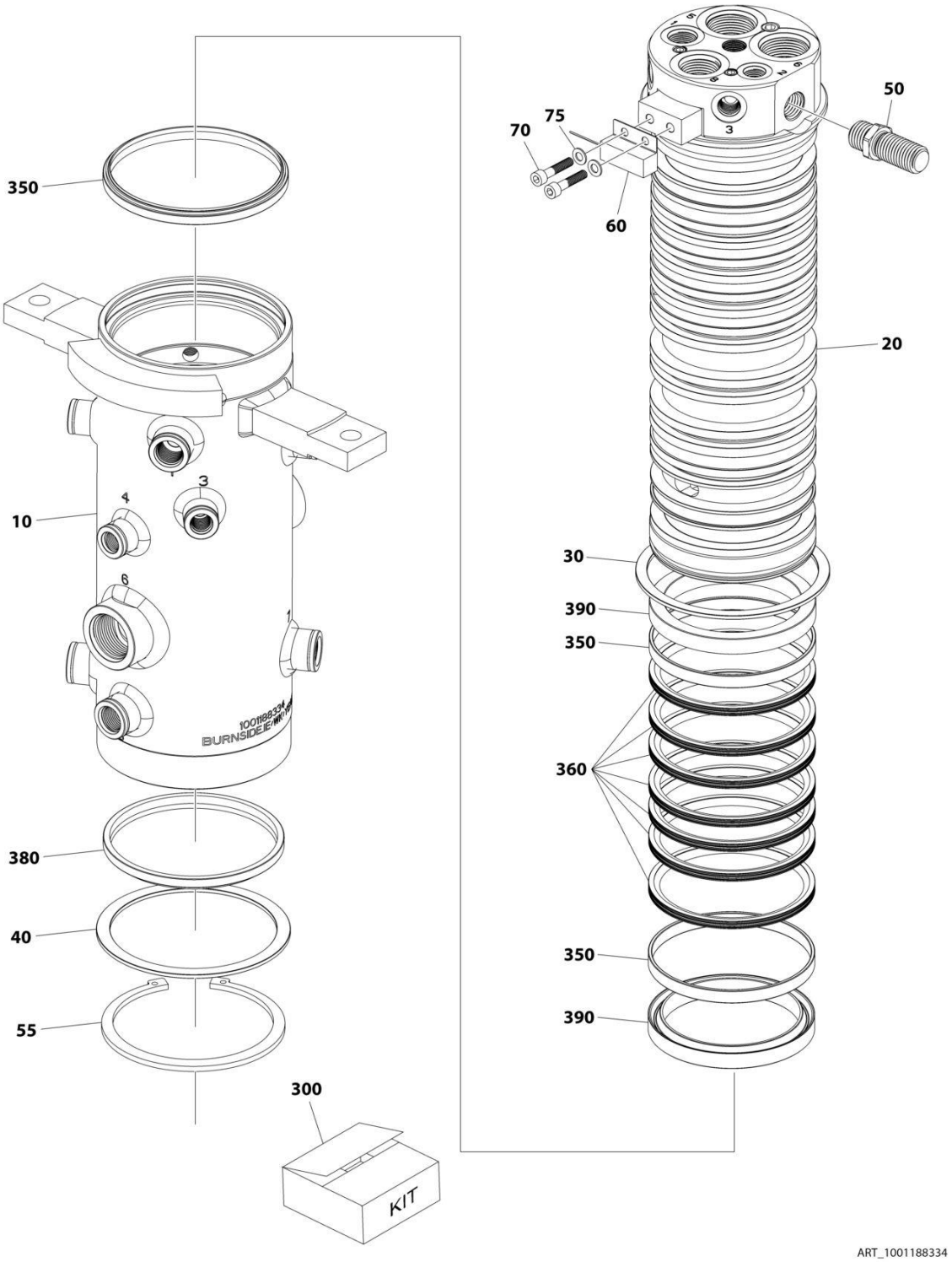


FIGURE 2-13. ROTARY COUPLING ASSEMBLY - 2WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188334	Ref	ROTARY COUPLING ASSEMBLY	G
10	See Note	NSS	Housing (Note: Purchase Complete Assembly)	
20	See Note	NSS	Shaft (Note: Purchase Complete Assembly)	
30	70005710	1	Spacer	
40	70005711	1	Spacer	
50	70005712	1	Fitting	
55	70005713	1	Circlip	
60	4360517	1	Sensor	
60	4460320	1	Plug, Male - 2 Position	
60	4460227	2	Socket, Female	
70	70006537	2	Bolt	
75	70006538	2	Washer	
300	70005716	1	Seal Kit (Includes Items 350-390)	
350	See Note	NSS	Ring, Wear (Note: Use Item 300)	
360	See Note	NSS	Seal (Note: Use Item 300)	
370	See Note	NSS	Wiper (Note: Use Item 300) (Not Shown)	
380	See Note	NSS	Wiper (Note: Use Item 300)	
390	See Note	NSS	Seal, Rod (Note: Use Item 300)	

FIGURE 2-14. ROTARY COUPLING INSTALLATION - 4WS

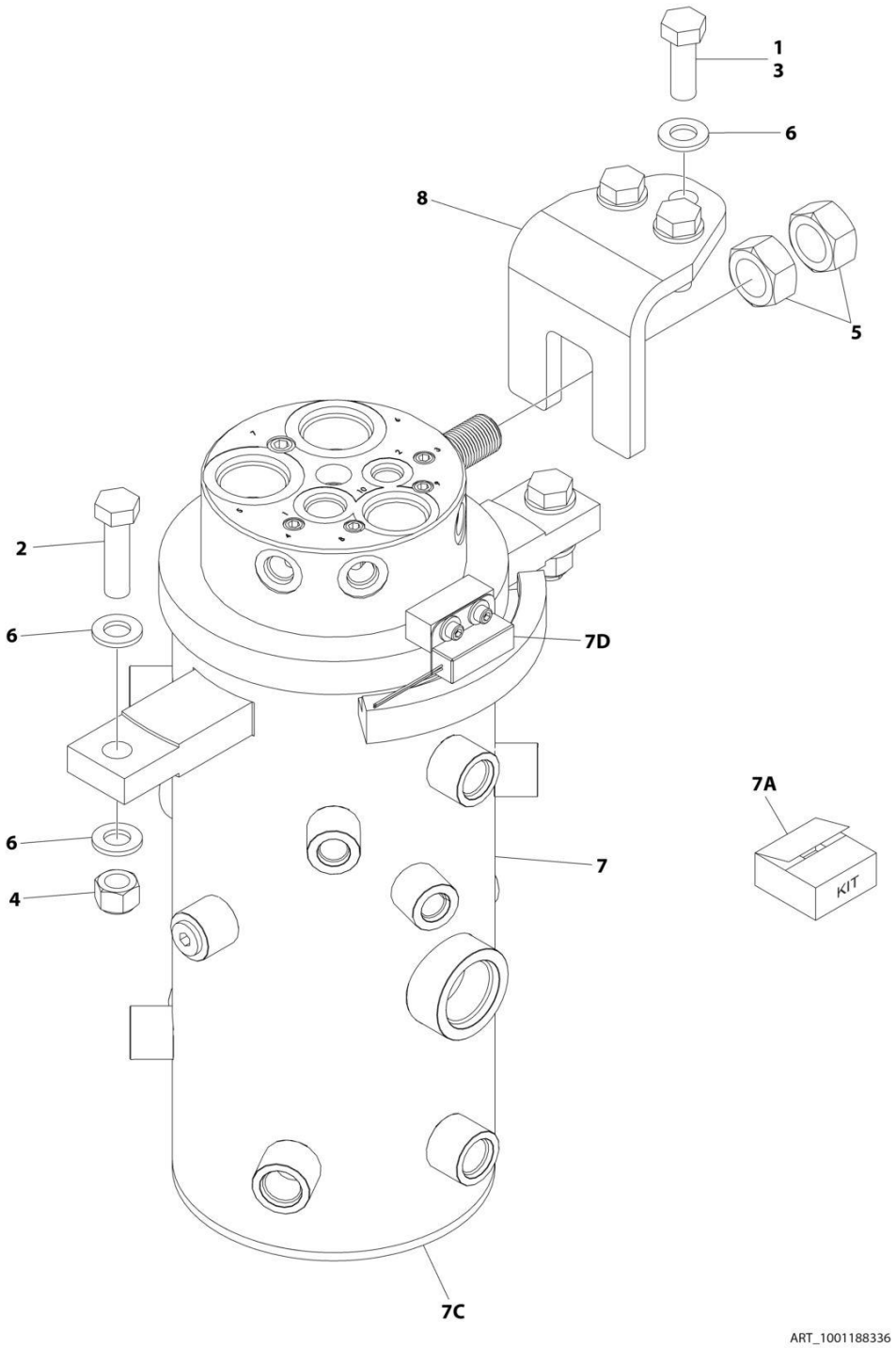


FIGURE 2-14. ROTARY COUPLING INSTALLATION - 4WS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188336	Ref	ROTARY COUPLING INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0701217	2	Bolt M12 x 45	
3	0761215	3	Bolt M12 x 35	
4	3291205	2	Nut M12	
5	3292001	2	Nut M20	
6	4812100	7	Washer M12	
7	1001187470	1	Coupling Assembly - 4WS	
7A	70005680	1	Seal Kit	
7B	70005681	2	Poly Seal (Not Shown)	
7C	7013189	1	Ring, Retaining	
7C	7026511	2	Ring	
7D	4360517	1	Sensor, Proximity	
7D	4460320	1	Plug, Male - 2 Position	
7D	4460227	2	Socket, Female	
8	1001187953	1	Mount	

FIGURE 2-15. TANKS INSTALLATION - DIESEL MACHINES (POLY FUEL TANK) (HYDRAULIC TANK WITH 6 INCH BREATHER)

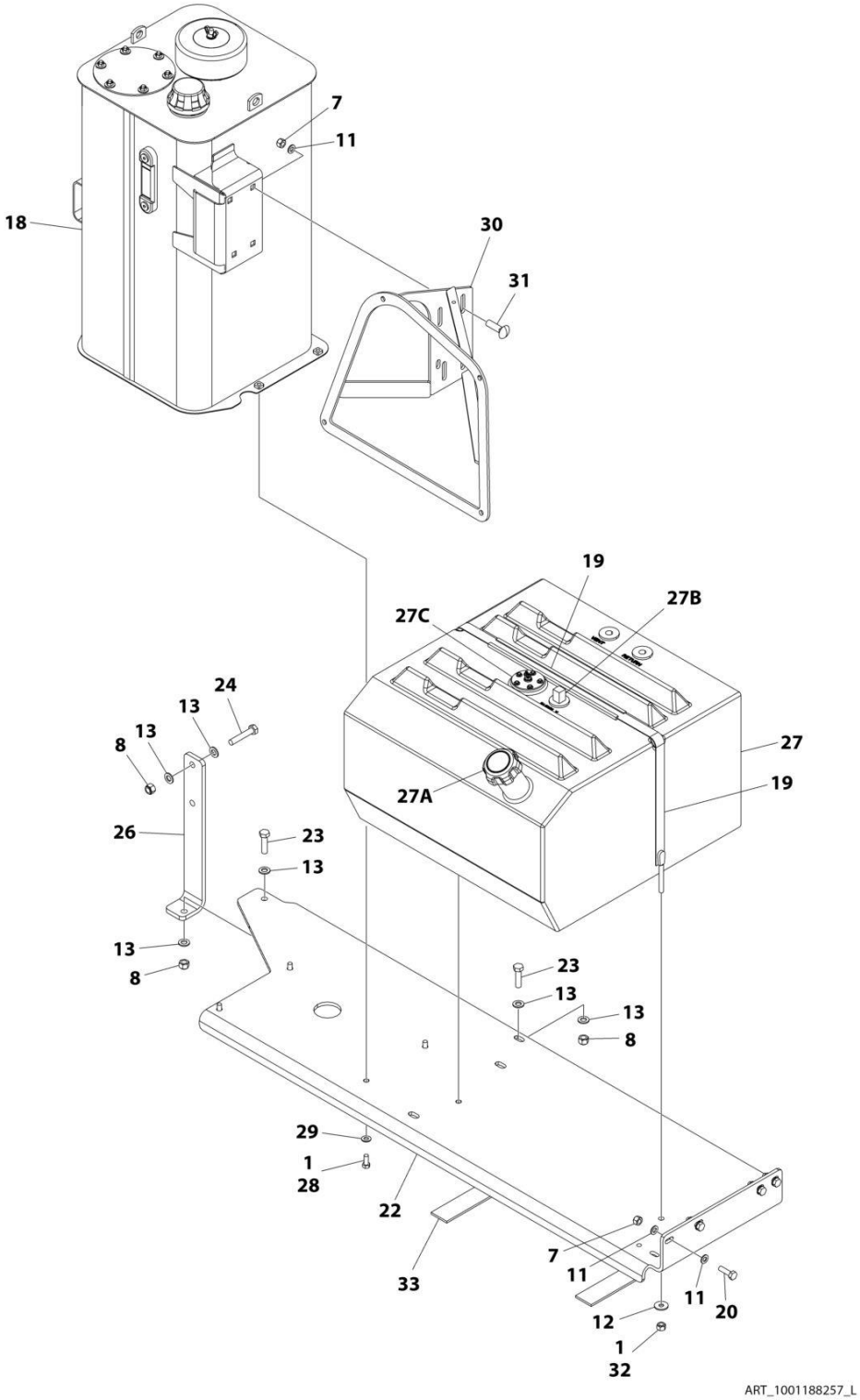


FIGURE 2-15. TANKS INSTALLATION - DIESEL MACHINES (POLY FUEL TANK) (HYDRAULIC TANK WITH 6 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188257	Ref	TANKS INSTALLATION	L
1	0100011	AR	Compound, Locking	
7	3291005	8	Nut M10	
8	3291205	4	Nut M12	
11	4812000	12	Washer M10	
12	4812002	2	Washer M10	
13	4812100	8	Washer M12	
18	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
19	1001238954	1	Strap Assembly	
19	1001189119	1	Strap	
19	4280295	48 in/ 122cm	Strip, Protector	
20	0701015	4	Bolt M10 x 35	
22	1001199933	1	Tray	
23	0701217	2	Bolt M12 x 45	
24	0701221	2	Bolt M12 x 65	
26	1001199883	1	Support	
27	1001201325	1	Tank, Fuel	
27A	70004414	1	Cap, Fill	
27B	7020043	1	Tube, Pickup	
27C	1001148607	1	Sender, Fuel Level	
27C	0731005	5	Screw #10 x 5/8	
27C	4751000	5	Washer #10	
28	0641608	4	Bolt 3/8 x 1	
29	4711600	4	Washer 3/8	
30	1001213251	1	Support, Ground Control	
31	0630613	4	Bolt M10 x 30	
32	3291001	2	Nut M10	
33	4420038	AR	Tape	

FIGURE 2-16. TANKS INSTALLATION - DIESEL MACHINES (POLY FUEL TANK) (HYDRAULIC TANK WITH 4 INCH BREATHER)

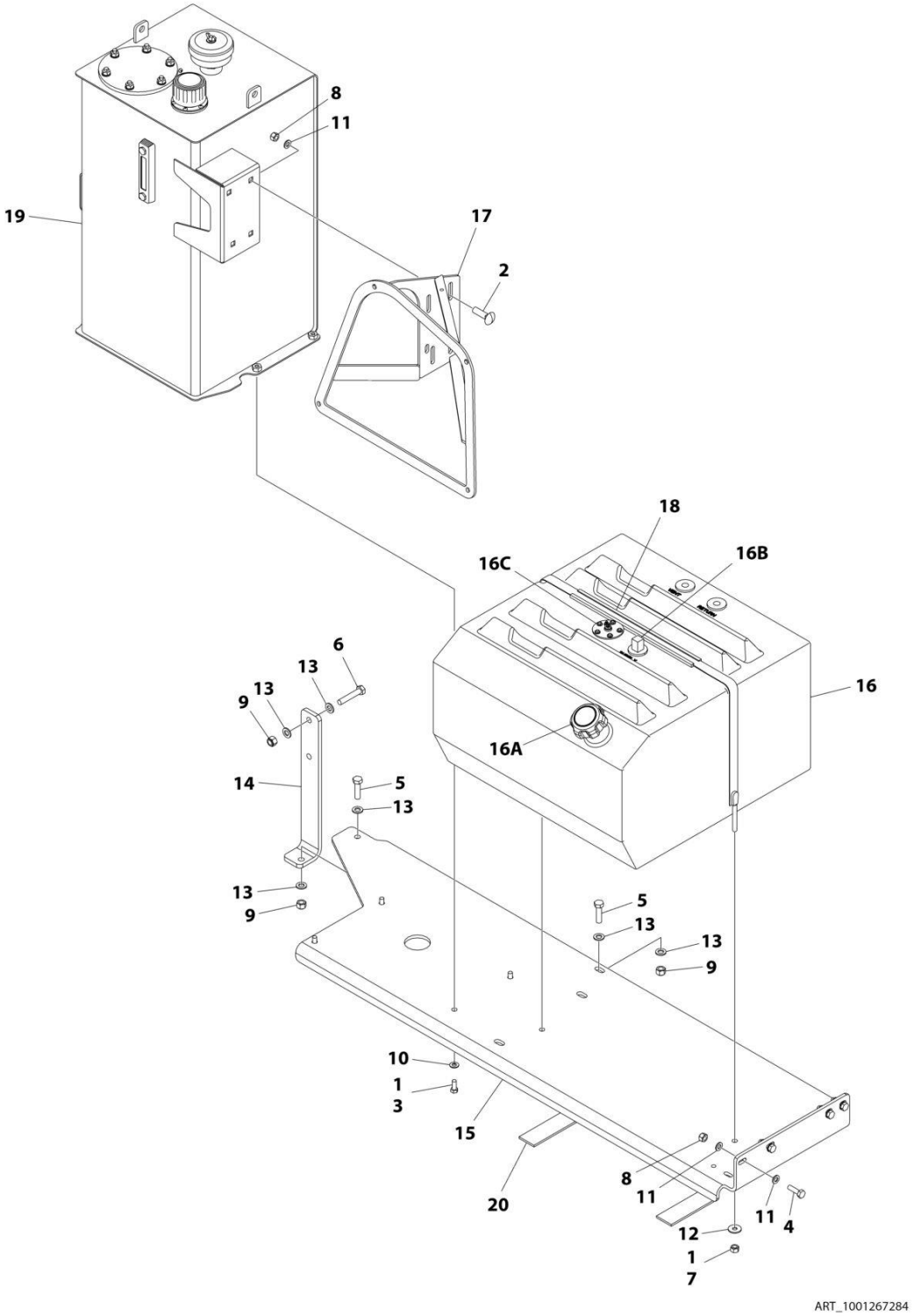


FIGURE 2-16. TANKS INSTALLATION - DIESEL MACHINES (POLY FUEL TANK) (HYDRAULIC TANK WITH 4 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267284	Ref	TANKS INSTALLATION – DIESEL MACHINES	A
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0641608	4	Bolt 3/8 x 1	
4	0701015	4	Bolt M10 x 35	
5	0701217	2	Bolt M12 x 45	
6	0701221	2	Bolt M12 x 65	
7	3291001	2	Nut M10	
8	3291005	8	Nut M10	
9	3291205	4	Nut M12	
10	4711600	4	Washer 3/8	
11	4812000	12	Washer M10	
12	4812002	2	Washer M10	
13	4812100	8	Washer M12	
14	1001199883	1	Support	
15	1001199933	1	Tray	
16	1001201325	1	Tank, Fuel	
16A	70004414	1	Cap, Fill	
16B	7020043	1	Tube, Pickup	
16C	1001148607	1	Sender, Fuel Level	
16C	0731005	5	Screw #10 x 5/8	
16C	4751000	5	Washer #10	
17	1001213251	1	Support, Ground Control	
18	1001238954	1	Strap Assembly	
18	1001189119	1	Strap	
18	4280295	48 in/ 122 cm	Strip, Protector	
19	1001267678	1	Hydraulic Tank Assembly	
20	4420038	30 in/ 76.2 cm	Tape, Rubber	

FIGURE 2-17. TANKS INSTALLATION - DIESEL MACHINES (STEEL FUEL TANK) (HYDRAULIC TANK WITH 6 INCH BREATHER)

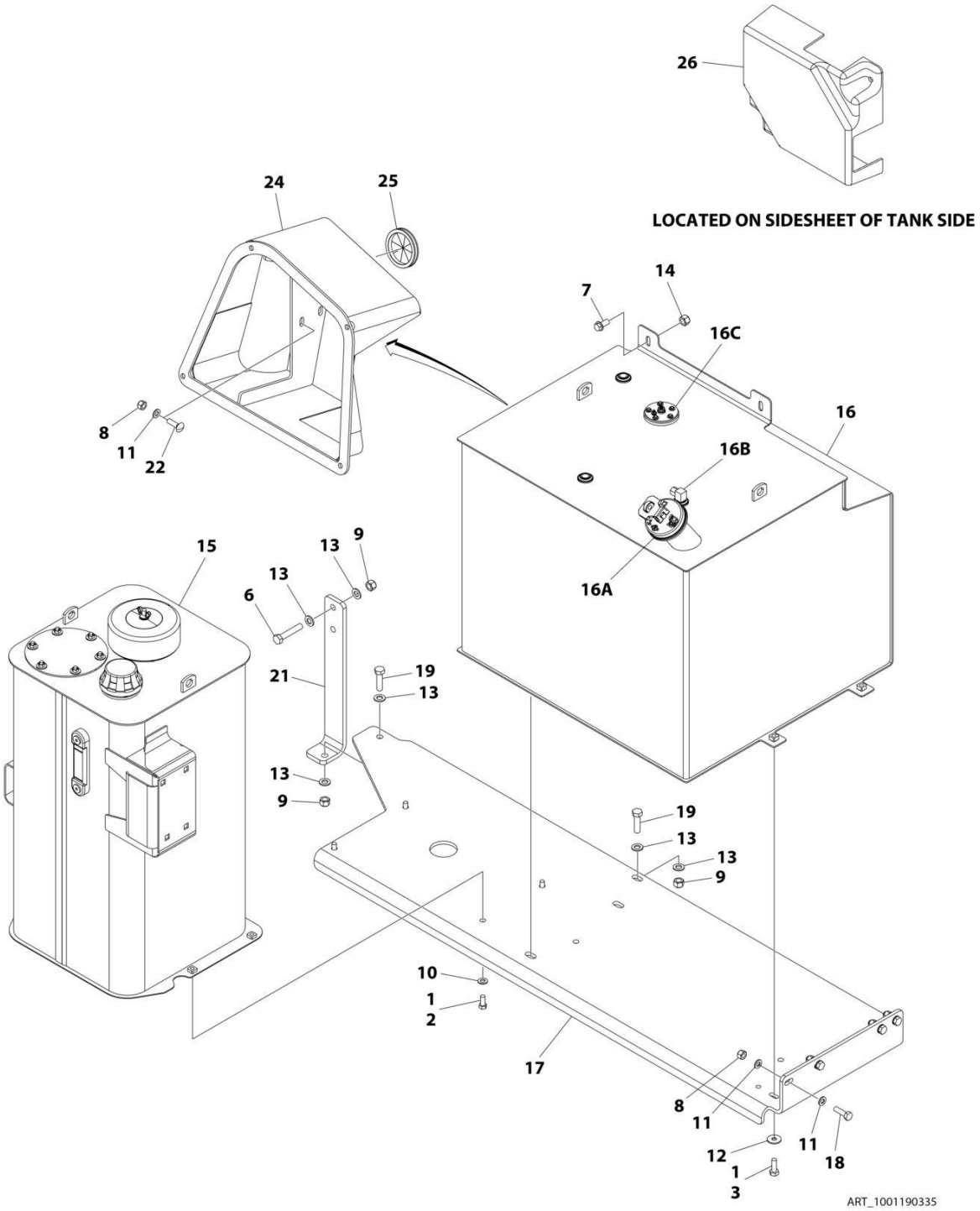


FIGURE 2-17. TANKS INSTALLATION - DIESEL MACHINES (STEEL FUEL TANK) (HYDRAULIC TANK WITH 6 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190335	Ref	TANKS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0641607	4	Bolt 3/8 x 7/8	
2	0641608	4	Bolt 3/8 x 1	
3	0761014	4	Bolt M10 x 30	
6	0701221	2	Bolt M12 x 65	
7	5251012	2	Bolt M10 x 25	
8	3291005	8	Nut M10	
9	3291205	4	Nut M12	
10	4711600	4	Washer 3/8	
11	4812000	12	Washer M10	
12	4812002	4	Washer M10	
13	4812100	8	Washer M12	
14	1001118972	1	Nut, Tinnerman M10	
15	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
16	1001189764	1	Tank, Fuel	
16A	1001080707	1	Cap, Fill	
16B	70006314	1	Tube, Pickup	
16C	1001189800	1	Sender, Fuel Level	
16C	0731005	5	Screw #10 x 5/8	
16C	4751000	5	Washer #10	
17	1001199933	1	Tray	
18	0701015	4	Bolt M10 x 35	
19	0701217	2	Bolt M12 x 45	
21	1001199883	1	Support	
22	1001228406	4	Bolt M10 x 35	
22	0630613	4	Bolt M10 x 30	
24	1001229572	1	Mount, Ground Control	
25	1001218676	1	Grommet	
26	1001218539	1	Cover	

FIGURE 2-18. TANKS INSTALLATION - DIESEL MACHINES (STEEL FUEL TANK) (HYDRAULIC TANK WITH 4 INCH BREATHER)

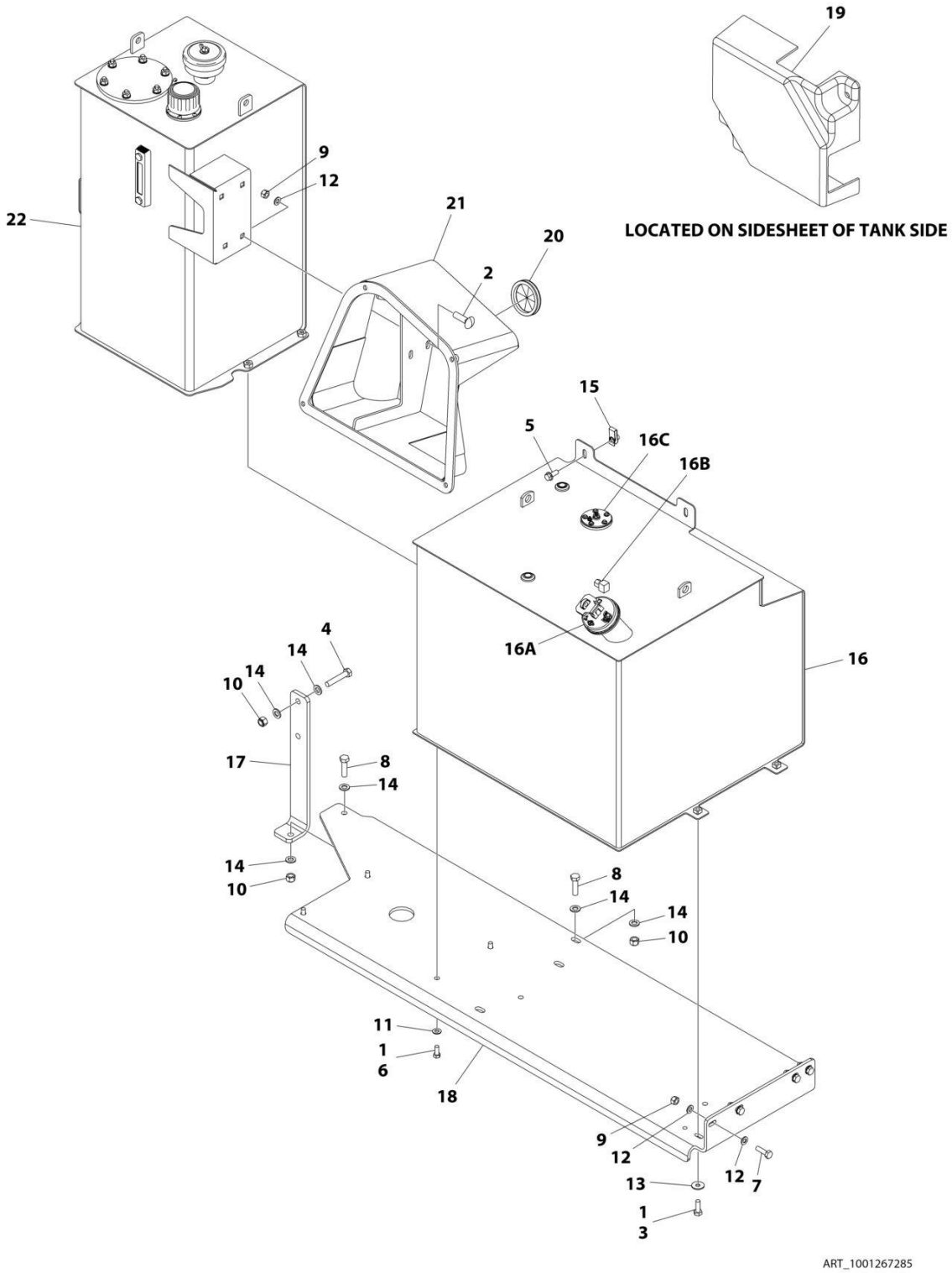


FIGURE 2-18. TANKS INSTALLATION - DIESEL MACHINES (STEEL FUEL TANK) (HYDRAULIC TANK WITH 4 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267285	Ref	TANKS INSTALLATION – DIESEL MACHINES	A
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0761014	4	Bolt M10 x 30	
4	0701221	2	Bolt M12 x 65	
5	5251012	1	Bolt M10 x 25	
6	0641608	4	Bolt 3/8 x 1	
7	0701015	4	Bolt M10 x 35	
8	0701217	2	Bolt M12 x 45	
9	3291005	8	Nut M10	
10	3291205	4	Nut M12	
11	4711600	4	Washer 3/8	
12	4812000	12	Washer M10	
13	4812002	4	Washer M10	
14	4812100	8	Washer M12	
15	1001118972	1	Nut, Tinnerman M10	
16	1001189764	1	Tank, Fuel	
16A	1001080707	1	Cap, Fill	
16B	70006314	1	Tube, Pickup	
16C	1001189800	1	Sender, Fuel Level	
16C	0731005	5	Screw #10 x 5/8	
16C	4751000	5	Washer #10	
17	1001199883	1	Support	
18	1001199933	1	Tray	
19	1001218539	1	Cover	
20	1001218676	1	Grommet	
21	1001229572	1	Mount, Ground Control	
22	1001267678	1	Hydraulic Tank Assembly	

FIGURE 2-19. TANKS INSTALLATION - GAS MACHINES (HYDRAULIC TANK WITH 6 INCH BREATHER)

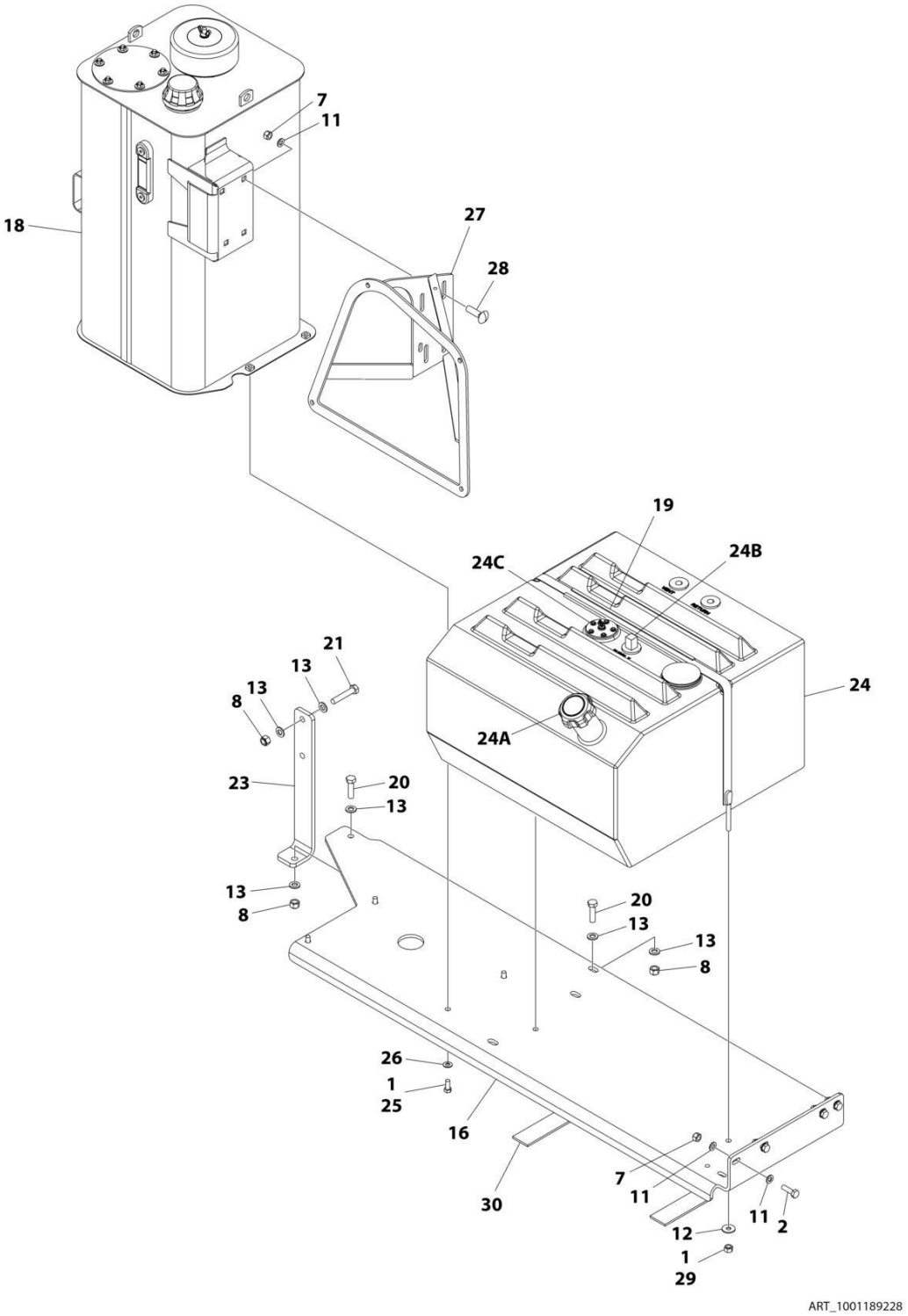


FIGURE 2-19. TANKS INSTALLATION - GAS MACHINES (HYDRAULIC TANK WITH 6 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189228	Ref	TANKS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0701015	4	Bolt M10 x 35	
7	3291005	8	Nut M10	
8	3291205	4	Nut M12	
11	4812000	12	Washer M10	
12	4812002	2	Washer M10	
13	4812100	8	Washer M12	
16	1001199933	1	Tray	
18	1001178057	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	
19	1001238954	1	Strap Assembly	
19	1001189119	1	Strap, Tank	
19	4280295	48 in/ 122cm	Strip, Protector	
20	0701217	2	Bolt M12 x 45	
21	0701221	2	Bolt M12 x 65	
23	1001199883	1	Support	
24	1001201326	1	Tank, Fuel	
24A	70001103	1	Cap, Fill	
24B	7020043	1	Tube, Pickup	
24C	1001148607	1	Sender, Fuel Level	
24C	0731005	5	Screw #10 x 5/8	
24C	4751000	5	Washer #10	
25	0641607	4	Bolt 3/8 x 7/8	
25	0641608	4	Bolt 3/8 x 1	
26	4711600	4	Washer 3/8	
27	1001213251	1	Support, Ground Control	
28	1001228406	4	Bolt M10 x 35	
28	0630613	4	Bolt M10 x 30	
29	3291005	2	Nut M10	
29	3291001	2	Nut M10	
30	4420038	30 in/ 76.2 cm	Tape, Rubatex	

FIGURE 2-20. TANKS INSTALLATION - GAS MACHINES (HYDRAULIC TANK WITH 4 INCH BREATHER)

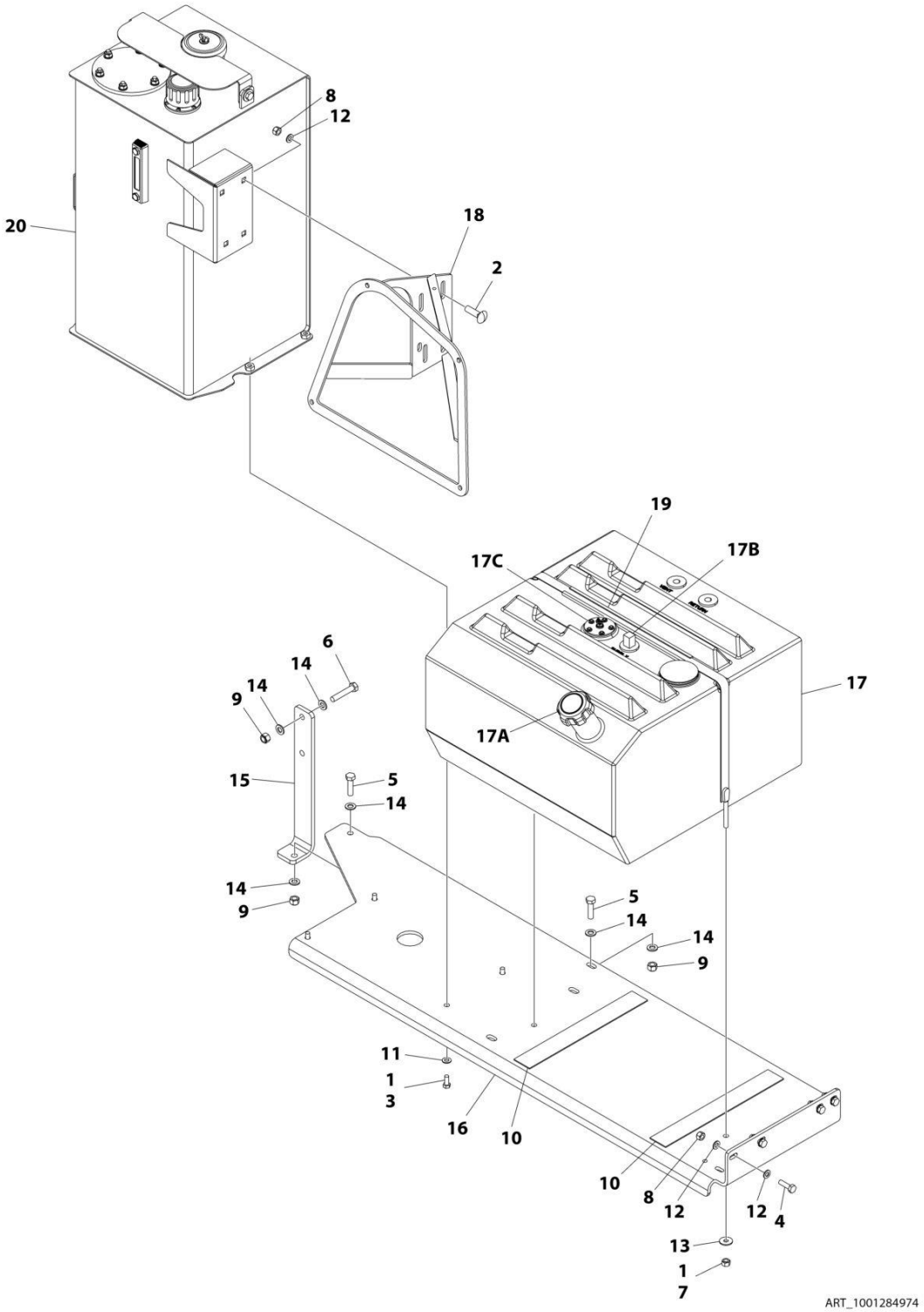


FIGURE 2-20. TANKS INSTALLATION - GAS MACHINES (HYDRAULIC TANK WITH 4 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284974	Ref	TANKS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0641608	4	Bolt 3/8 x 1	
4	0701015	4	Bolt M10 x 35	
5	0701217	2	Bolt M12 x 45	
6	0701221	2	Bolt M12 x 65	
7	3291001	2	Nut M10	
8	3291005	8	Nut, Lock M10	
9	3291205	4	Nut, Lock M12	
10	4420038	30 in /76.2 cm	Tape	
11	4711600	4	Washer 3/8	
12	4812000	12	Washer M10	
13	4812002	2	Washer M10	
14	4812100	8	Washer M12	
15	1001199883	1	Support	
16	1001199933	1	Tray	
17	1001201326	1	Tank, Fuel	
17A	70001103	1	Cap, Fill	
17B	7020043	1	Tube, Pickup	
17C	1001148607	1	Sender, Fuel Level	
17C	0731005	5	Screw #10 x 5/8	
17C	4751000	5	Washer #10	
18	1001213251	1	Support, Ground Control	
19	1001238954	1	Strap Assembly	
19	1001189119	1	Strap, Tank	
19	4280295	48 in /122cm	Strip, Protector	
20	1001267678	1	Hydraulic Tank Assembly (See Separate Breakdown in this Section)	

FIGURE 2-21. HYDRAULIC TANK ASSEMBLY (WITH 6 INCH BREATHER)

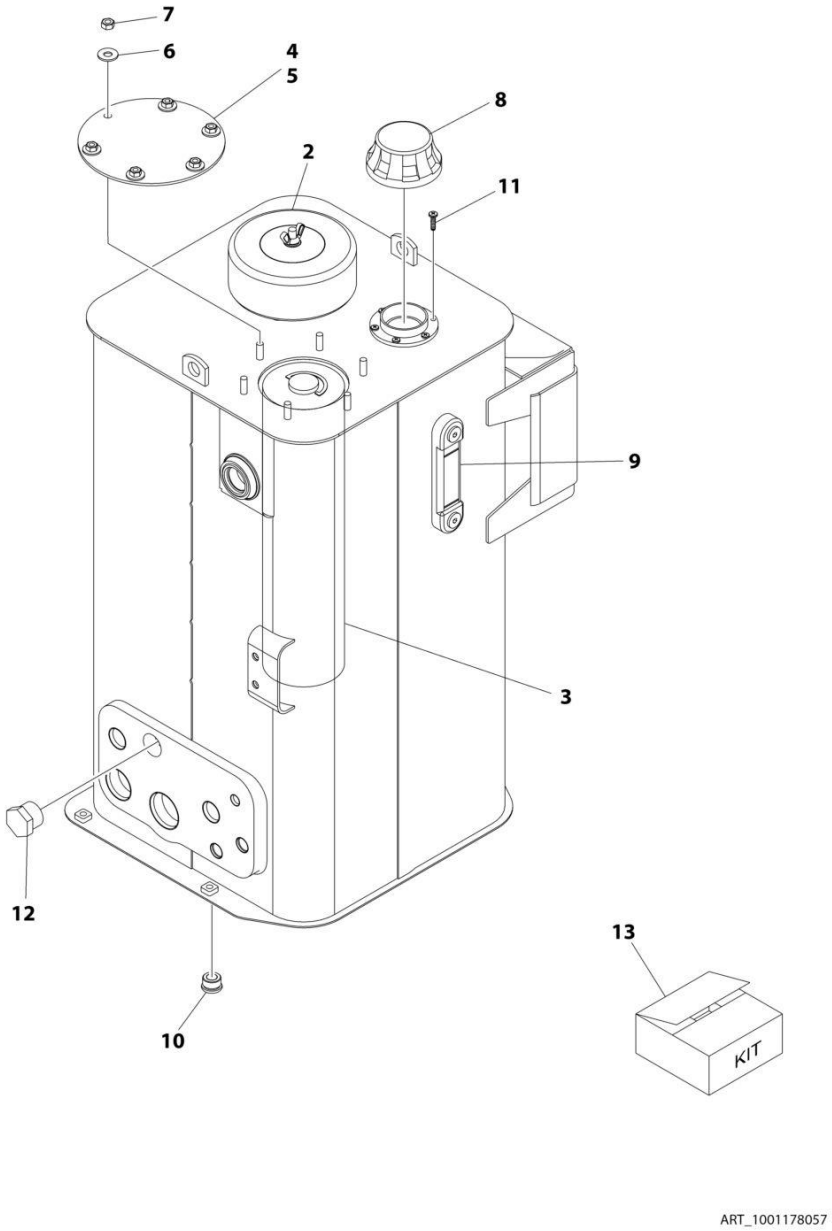


FIGURE 2-21. HYDRAULIC TANK ASSEMBLY (WITH 6 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001178057	Ref	HYDRAULIC TANK ASSEMBLY	D
2	70005708	1	Breather Assembly (Includes Breather, Element and Wingnut)	
2	See Note	NSS	Element, Breather (Note: Use p/n 70005708 or Item 13)	
3	See Note	NSS	Element, Hydraulic (Note: Use Item 13)	
4	70002839	1	Gasket	
5	See Note	NSS	Cover (Note: Not Available for Purchase)	
6	83304173	6	Washer 5/16	
7	70004199	6	Nut 5/16	
8	70002838	1	Cap, Fill	
9	7024441	1	Gauge, Level	
10	70002112	1	Plug	
11	70004795	6	Screw #10 x 3/4	
12	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
13	70002814	1	Hydraulic Tank Service Kit (Includes Items 2-4)	

FIGURE 2-22. HYDRAULIC TANK ASSEMBLY (WITH 4 INCH BREATHER)

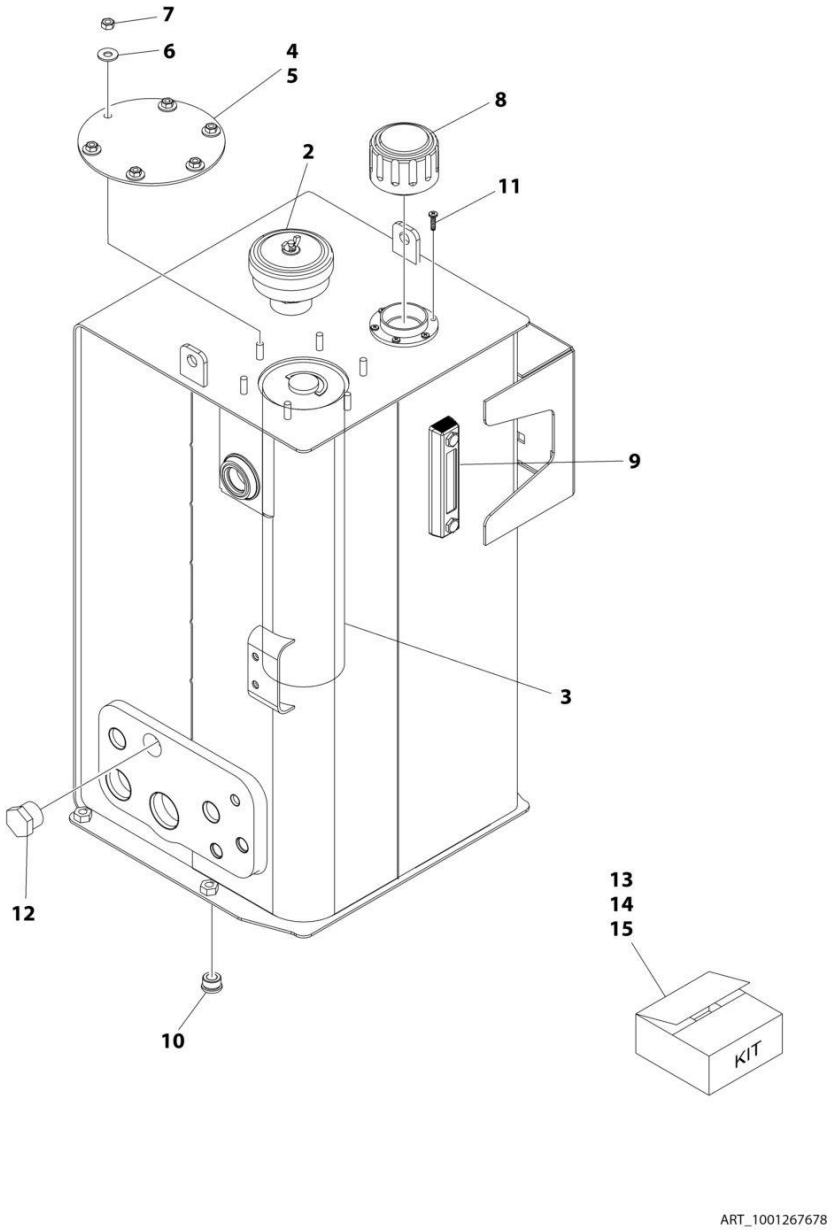


FIGURE 2-22. HYDRAULIC TANK ASSEMBLY (WITH 4 INCH BREATHER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001267678	REF	HYDRAULIC TANK ASSEMBLY	A
1	See Note	NSS	Hydraulic Tank Weldment (Not Shown) (Note: Not Available for Purchase)	
2	See Note	NSS	Breather Assembly (Note: Use Item 13)	
3	See Note	NSS	Element, Filter (Note: Use Item Use Item 14)	
4	70002839	1	Gasket	
5	See Note	NSS	Cover (Note: Not Available for Purchase)	
6	83304173	6	Washer 1/4	
7	70004199	6	Nut 5/16	
8	70002838	1	Cap, Fill	
9	70024441	1	Gauge, Level	
10	70002112	1	Plug	
11	70004795	6	Screw 10 x 3/4	
12	See Note	NSS	Plug (Note: Not Available for Purchase)	
13	70007726	1	Breather Kit (Note: Includes Item 2)	
14	70007727	1	Return Filter Kit (Note: Includes Item 3)	
15	70007725	1	Level Gauge Kit	

FIGURE 2-23. BATTERY AND AUXILIARY PUMP INSTALLATION

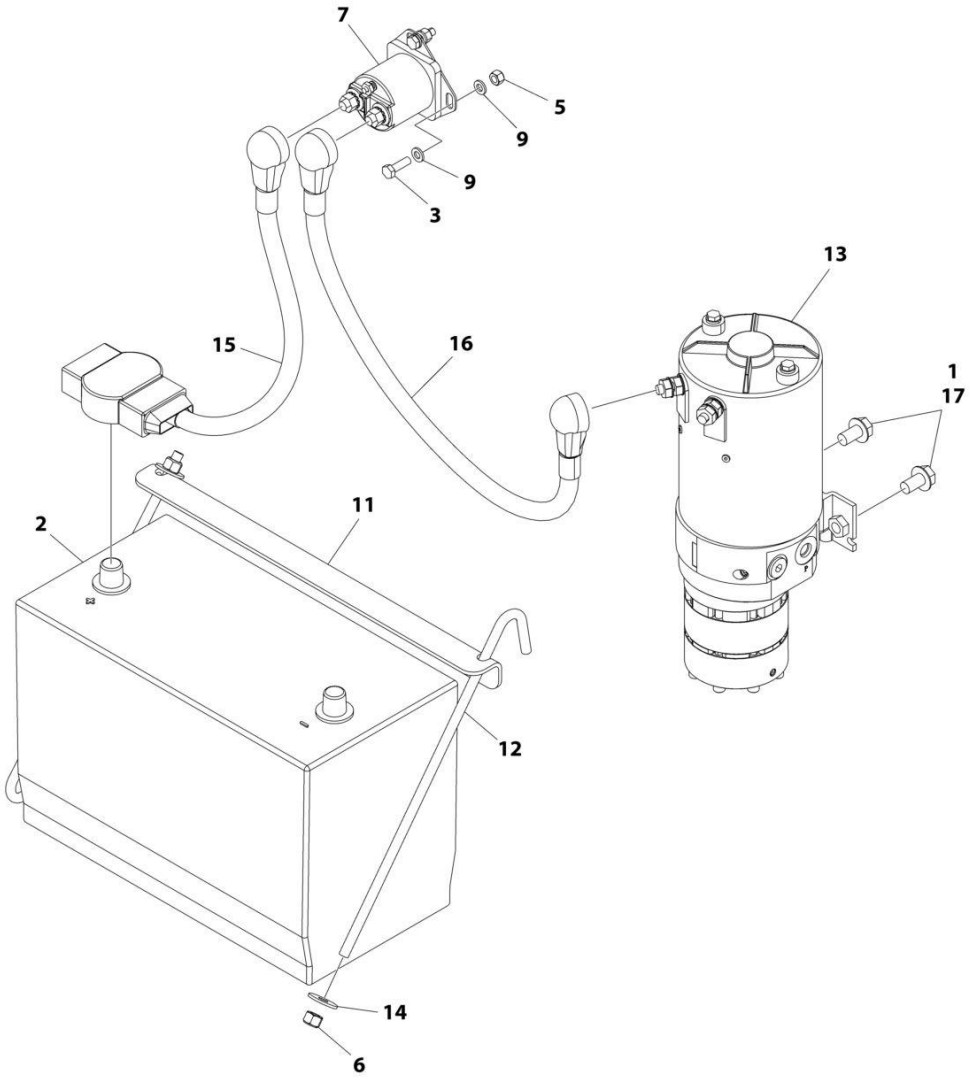


FIGURE 2-23. BATTERY AND AUXILIARY PUMP INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186346	Ref	BATTERY AND AUXILIARY PUMP INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0700610	2	Bolt M6 x 20	
5	3290605	2	Nut M6	
6	3290805	2	Nut M8	
7	3740067	1	Relay	
9	4811700	4	Washer M6	
11	91401281	1	Bracket, Hold Down	
12	1001192012	2	J-Bolt	
13	1001187808	1	Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only Service Component Available. For Other Components, Replace Complete Assembly.)	
13	70003998	1	Motor, Replacement	
14	4811902	2	Washer M8	
15	1001188664	1	Cable, Battery (+)	
16	1001188666	1	Cable, Aux Relay to Aux Pump	
17	5251009	2	Bolt M10 x 18	

FIGURE 2-24. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION

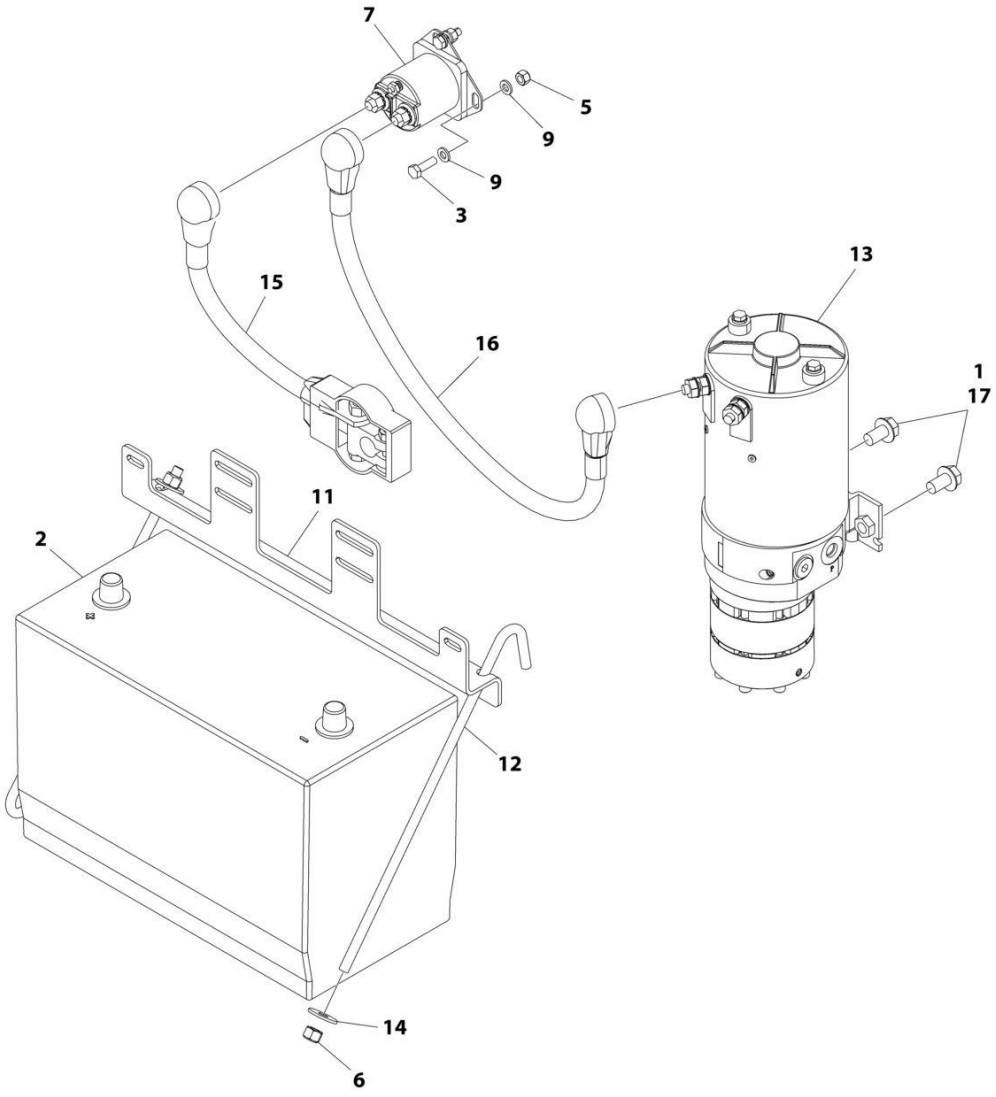


FIGURE 2-24. BATTERY AND AUXILIARY PUMP WITH DISCONNECT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238663	Ref	BATTERY AND AUXILIARY PUMP W/DISCONNECT SWITCH INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0400075	1	Battery	
3	0700610	2	Bolt M6 x 20	
5	3290605	2	Nut M6	
6	3290805	2	Nut M8	
7	3740067	1	Relay	
9	4811700	4	Washer M6	
11	1001236303	1	Bracket, Hold Down	
12	1001192012	2	J-Bolt	
13	1001187808	1	Auxiliary Pump/Motor Assembly (Note: Replacement Motor is only Service Component Available. For Other Components, Replace Complete Assembly.)	
13	70003998	1	Motor, Replacement	
14	4811902	2	Washer M8	
15	1001188664	1	Cable, Battery (+)	
16	1001188666	1	Cable, Aux Relay to Aux Pump	
17	5251009	2	Bolt M10 x 18	

FIGURE 2-25. BREAKER BOX KIT

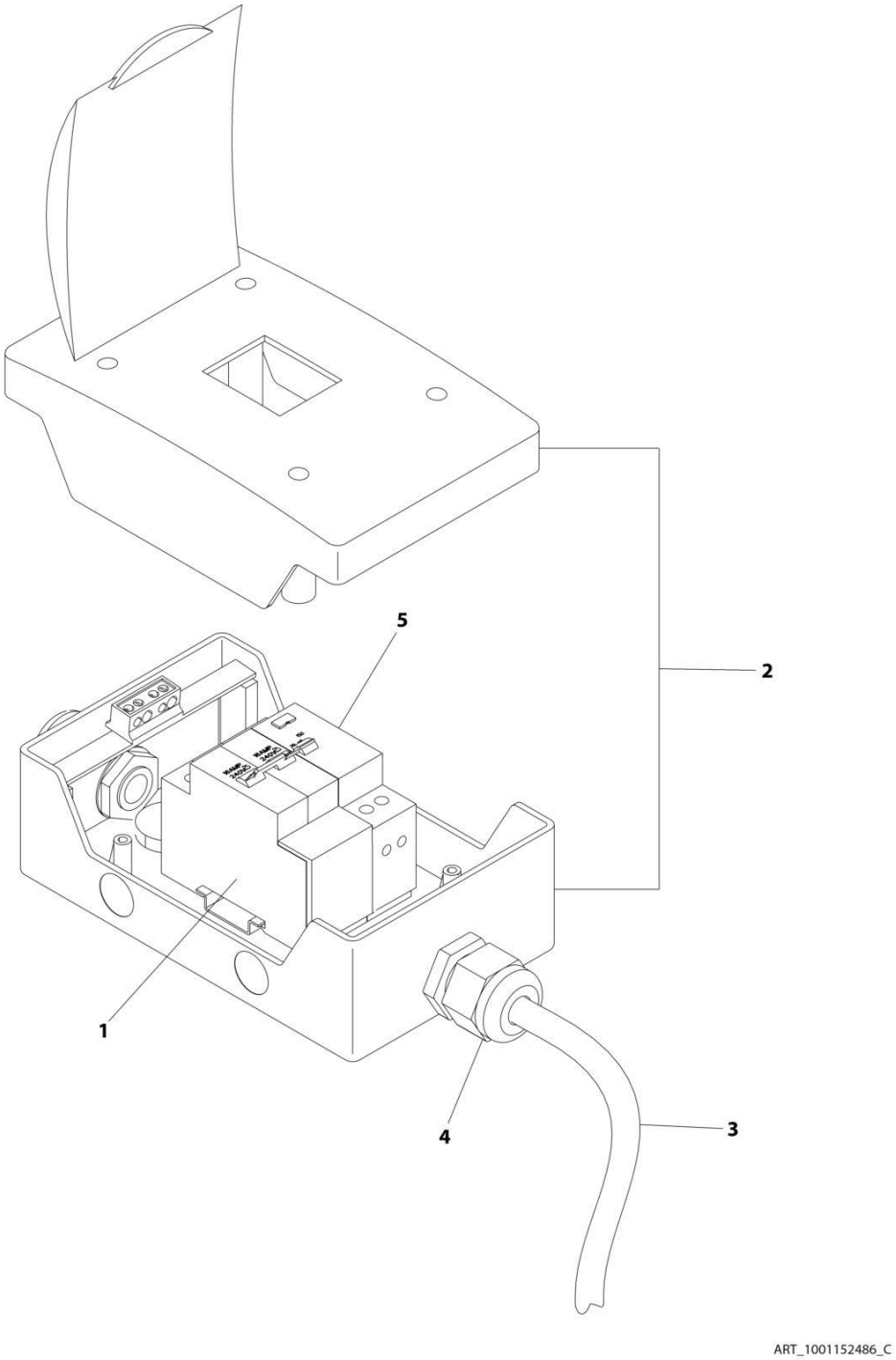


FIGURE 2-25. BREAKER BOX KIT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152486	Ref	BREAKER BOX KIT	C
1	1001189172	1	Breaker, 16 Amp (Double)	
2	1001152483	1	Box	
3	1060908	12 ft/ 3.66m	Cable, 12/3	
4	1001097150	1	Connector, Strain Relief	
5	1001189171	1	Breaker, 30mA	

FIGURE 2-26. BRAKER BOX KIT WITH THREE BREAKERS

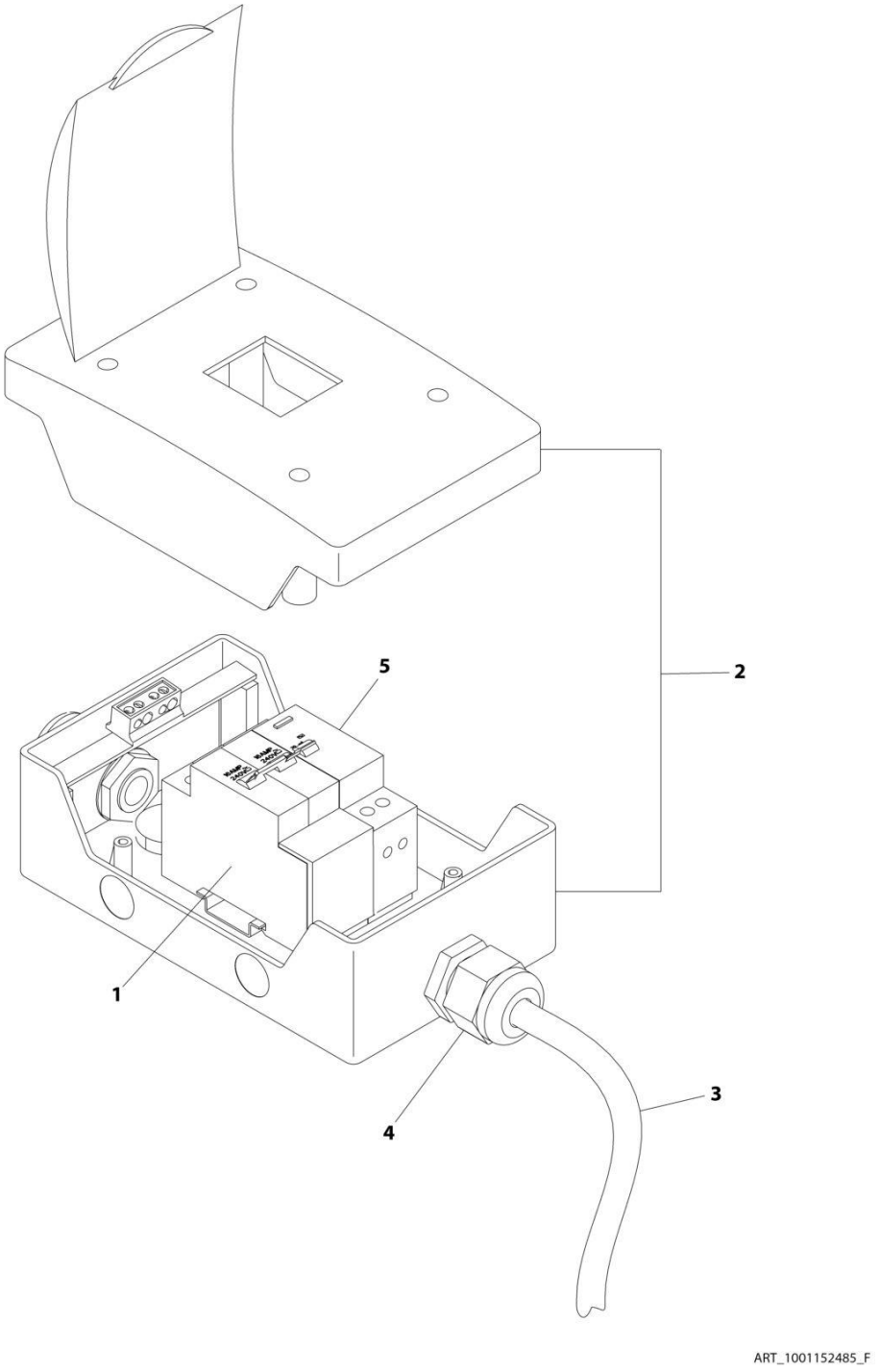


FIGURE 2-26. BRAKER BOX KIT WITH THREE BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152485	Ref	BREAKER BOX KIT WITH TWO BREAKERS	F
1	1001189172	1	Breaker 16Amp Double	
2	1001152483	1	Box	
3	1060908	6 ft/1.8m	Cable, 12/3	
4	1001097150	2	Connector, Strain Relief	
5	1001189171	1	Breaker, 30mA	

FIGURE 2-27. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (600S)

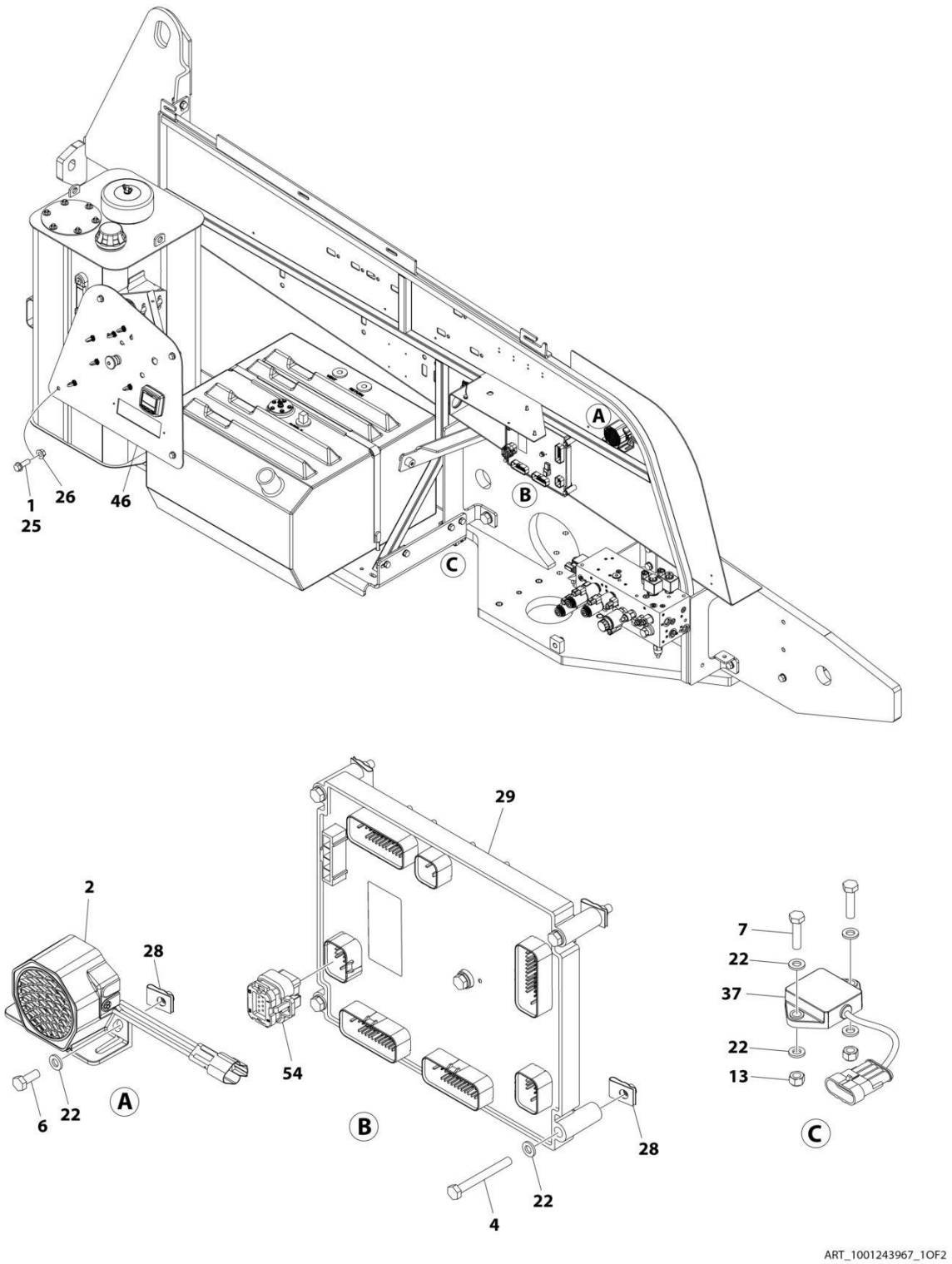


FIGURE 2-27. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243967	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
4	0700619	5	Bolt M6 x 55	
6	0700608	5	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
13	3290605	5	Nut M6	
22	4811700	18	Washer M6	
25	5251014	4	Bolt M10 x 30	
26	5261000	4	Nut M10 Class 10	
28	1001130220	7	Nut, Tinnerman M6	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
37	1001219601	1	Sensor	
46	1001241588	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
54	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-28. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

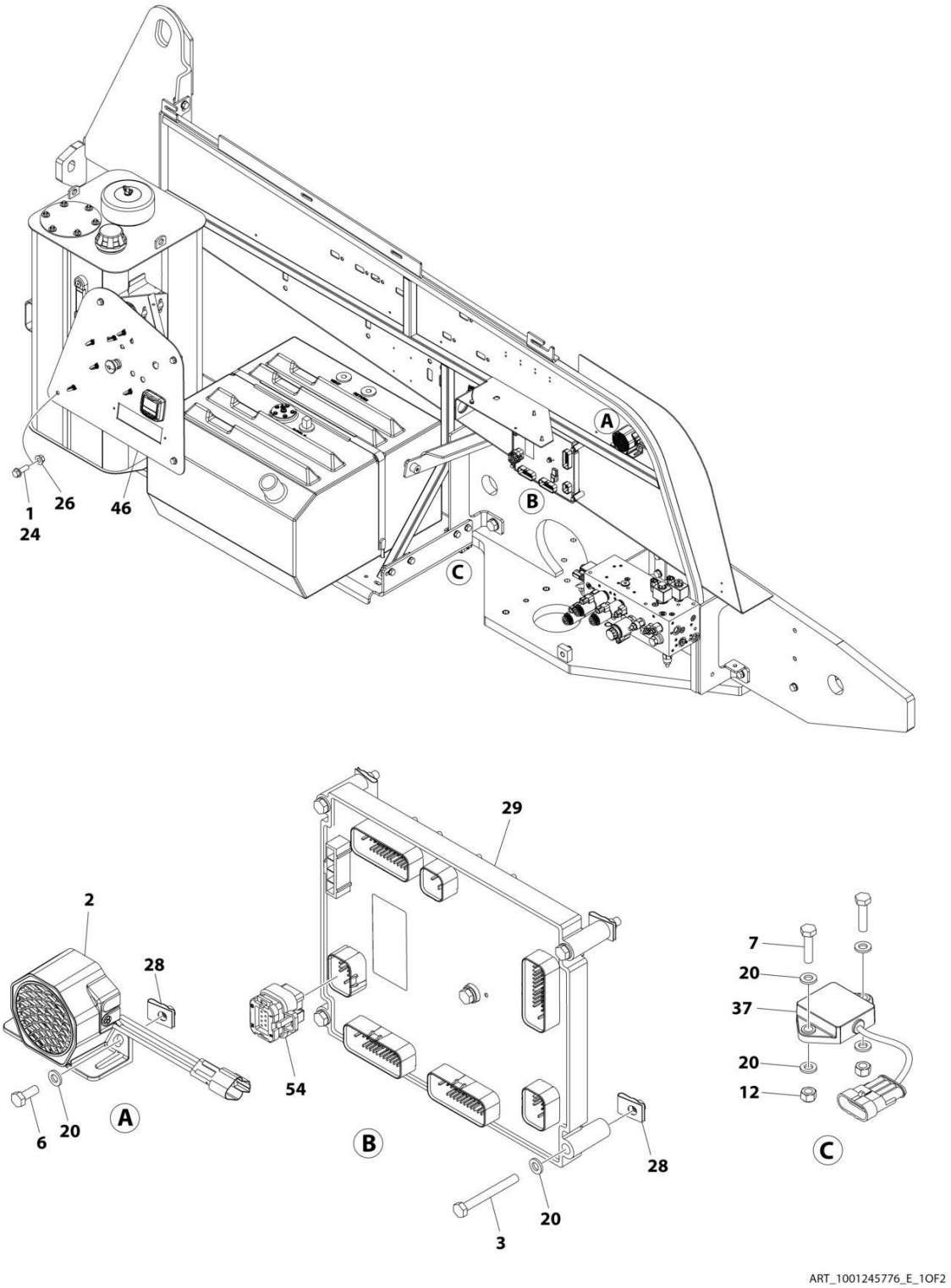


FIGURE 2-28. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245776	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
6	0700608	2	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
12	3290605	2	Nut M6	
20	4811700	6	Washer M6	
24	5251014	4	Bolt M10 x 30	
26	5261000	4	Nut M10 Class 10	
28	1001130220	7	Nut, Tinnerman M6	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
37	1001219601	1	Sensor	
46	1001245774	2	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
54	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-29. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (600S)

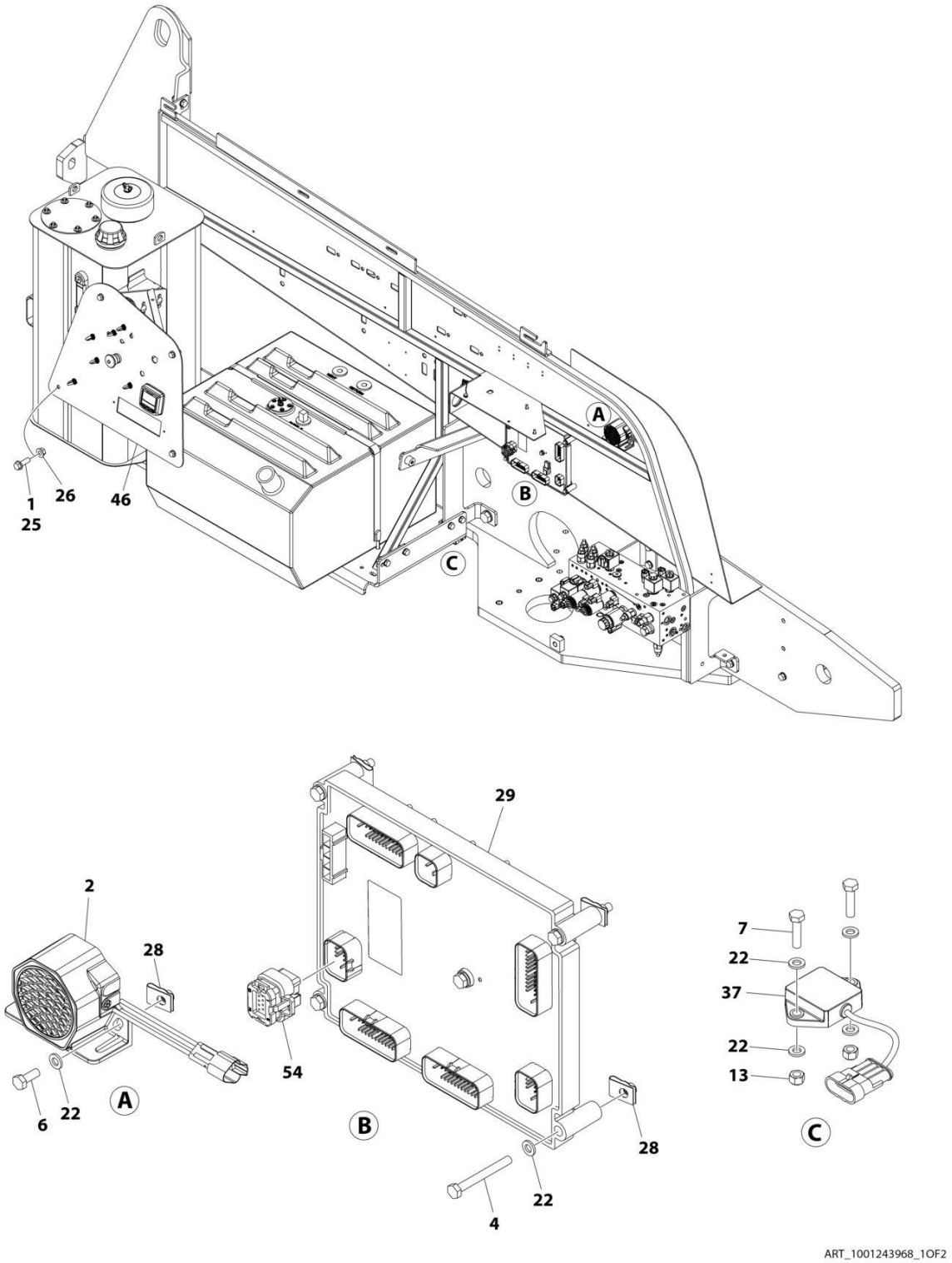


FIGURE 2-29. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243968	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
4	0700619	5	Bolt M6 x 55	
6	0700608	5	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
13	3290605	5	Nut M6	
22	4811700	18	Washer M6	
25	5251014	4	Bolt M10 x 30	
26	5261000	4	Nut M10 Class 10	
28	1001130220	7	Nut, Tinnerman M6	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
37	1001219601	1	Sensor	
46	1001241588	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
54	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-30. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

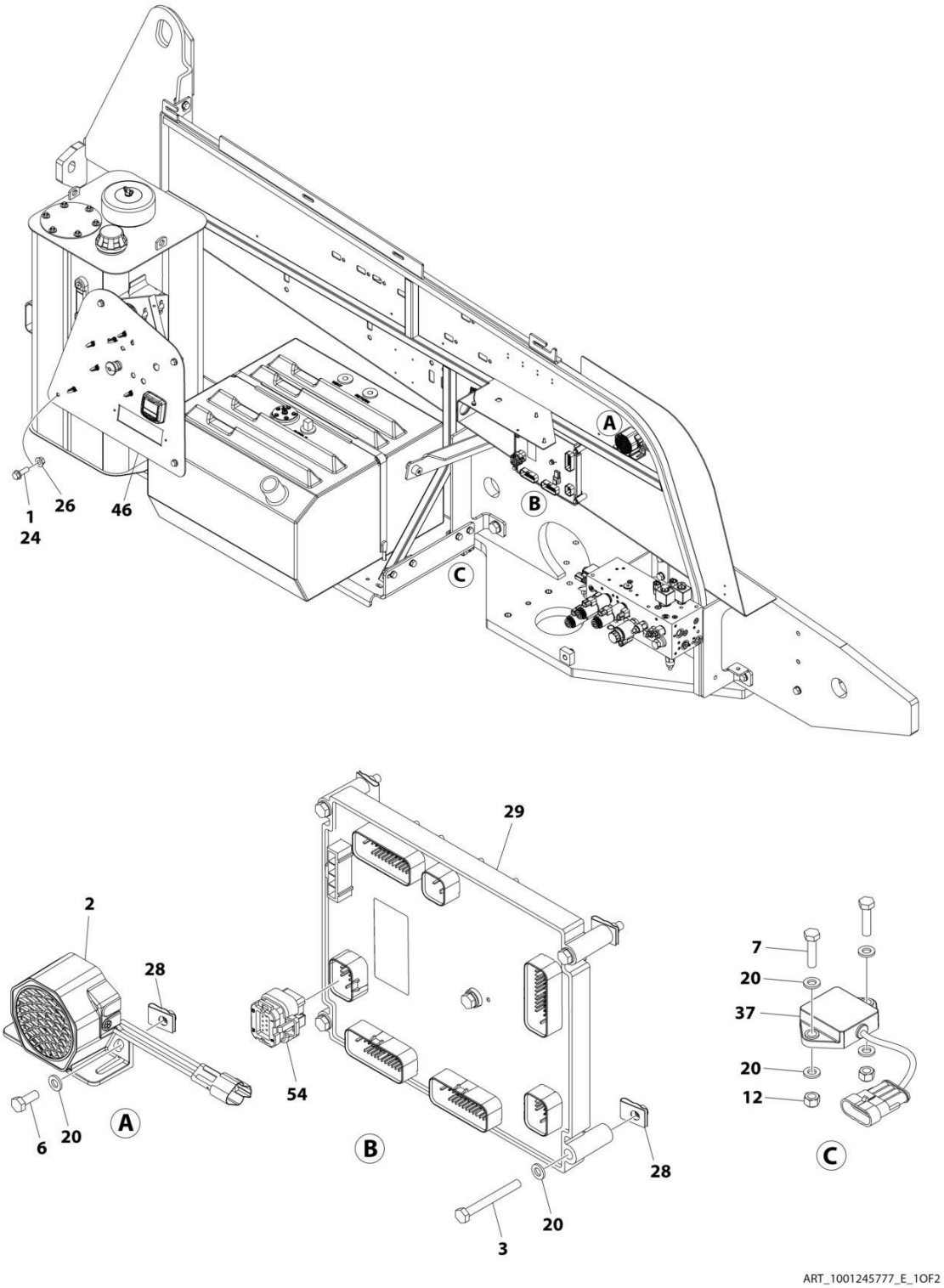


FIGURE 2-30. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245777	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
6	0700608	2	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
12	3290605	2	Nut M6	
20	4811700	6	Washer M6	
24	5251014	4	Bolt M10 x 30	
26	5261000	4	Nut M10 Class 10	
28	1001130220	7	Nut, Tinnerman M6	
29	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
29	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
37	1001219601	1	Sensor	
46	1001245774	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
54	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-31. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (660SJ)

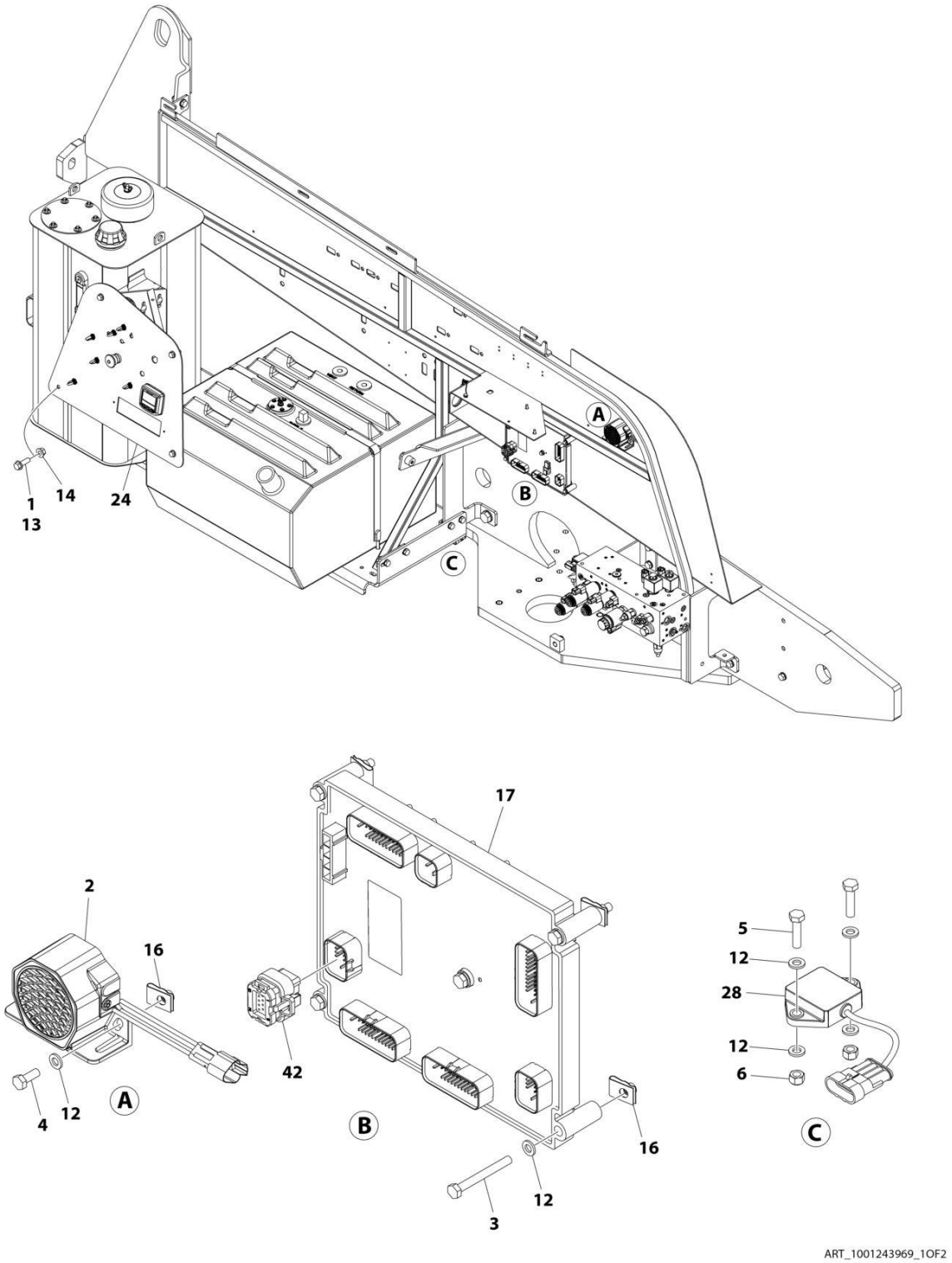


FIGURE 2-31. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243969	Ref	ELECTRICAL COMPONENTS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
4	0700608	5	Bolt M6 x 16	
5	0760612	2	Bolt M6 x 25	
6	3290605	5	Nut M6	
12	4811700	17	Washer M6	
13	5251014	4	Bolt M10 x 30	
14	5261000	4	Nut M10 Class 10	
16	1001130220	7	Nut, Tinnerman M6	
17	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
17	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
24	1001250273	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
28	1001219601	1	Sensor	
42	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-32. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

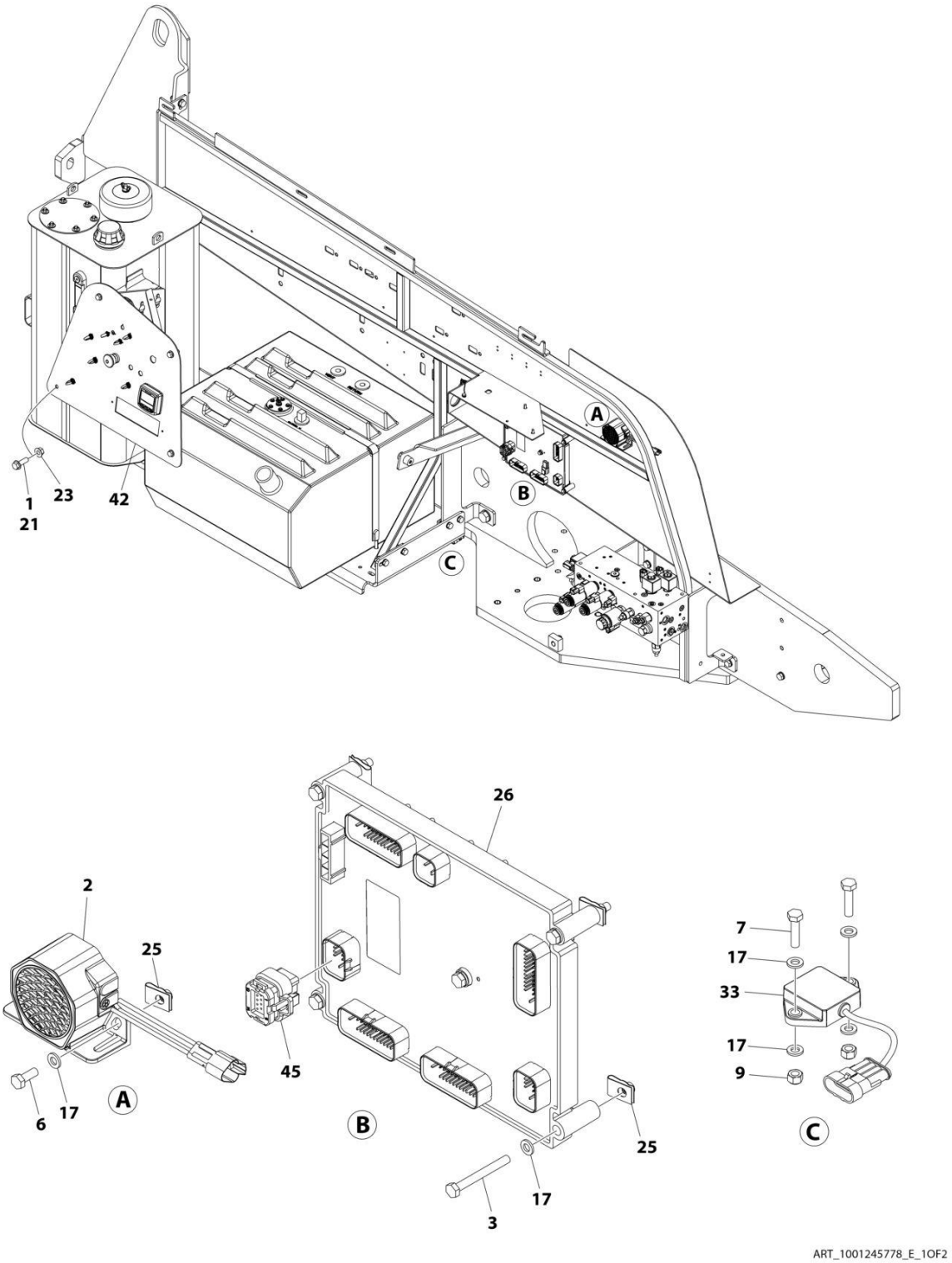


FIGURE 2-32. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245778	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
6	0700608	2	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
9	3290605	2	Nut M6	
17	4811700	9	Washer M6	
21	5251014	4	Bolt M10 x 30	
23	5261000	4	Nut M10 Class 10	
25	1001130220	7	Nut, Tinnerman M6	
26	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
26	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
33	1001219601	1	Sensor	
42	1001245775	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
45	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-33. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (660SJ)

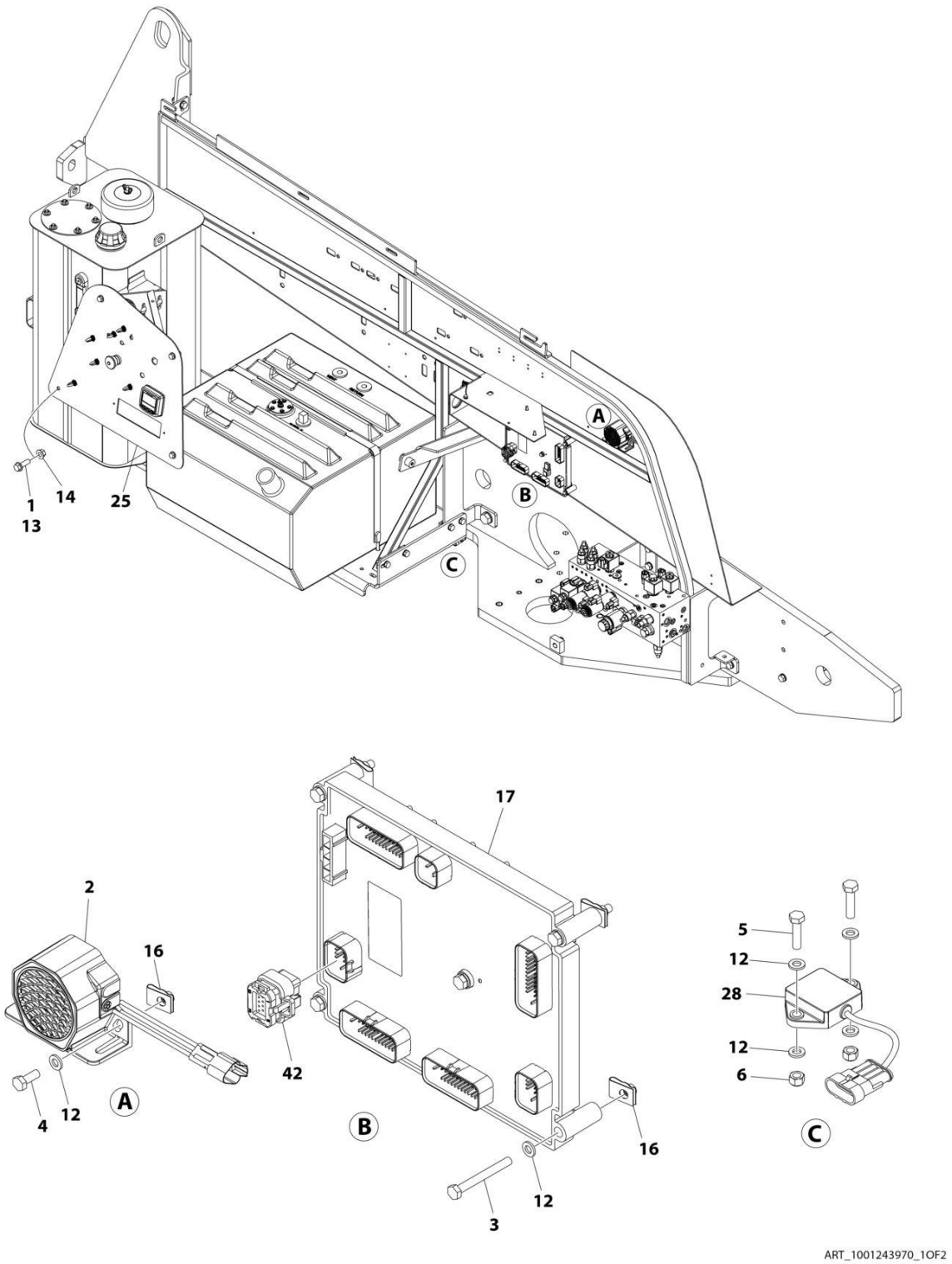


FIGURE 2-33. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243970	Ref	ELECTRICAL COMPONENTS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
4	0760608	5	Bolt M6 x 16	
5	0760612	2	Bolt M6 x 25	
6	3290605	5	Nut M6	
12	4811700	17	Washer M6	
13	5251014	4	Bolt M10 x 30	
14	5261000	4	Nut M10 Class 10	
16	1001130220	7	Nut, Tinnerman M6	
17	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
17	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
25	1001250273	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
28	1001219601	1	Sensor	
42	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-34. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

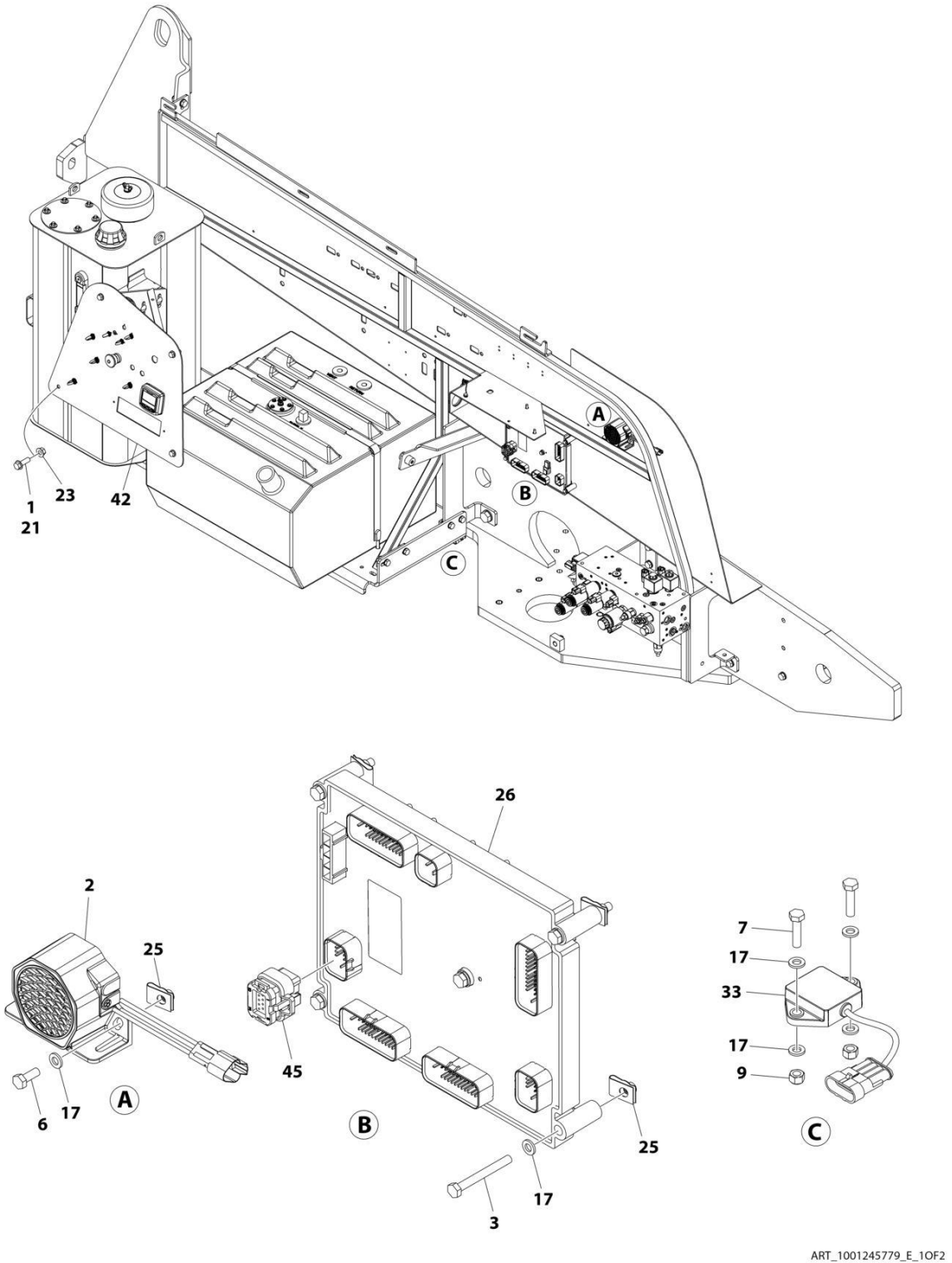


FIGURE 2-34. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245779	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0140043	1	Alarm	
3	0700619	5	Bolt M6 x 55	
6	0700608	2	Bolt M6 x 16	
7	0760612	2	Bolt M6 x 25	
9	3290605	2	Nut M6	
17	4811700	9	Washer M6	
21	5251014	4	Bolt M10 x 30	
23	5261000	4	Nut M10 Class 10	
25	1001130220	7	Nut, Tinnerman M6	
26	1001187200	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
26	1001280340	1	Module, Ground Control (Note: Re-calibration Required when Replaced)	
33	1001219601	1	Sensor	
42	1001245775	1	Ground Control Panel Assembly (See Separate Breakdown in this Section)	
45	1001246859	1	Connector, 14 Position Gray	

FIGURE 2-35. GROUND CONTROL ASSEMBLY (600S)

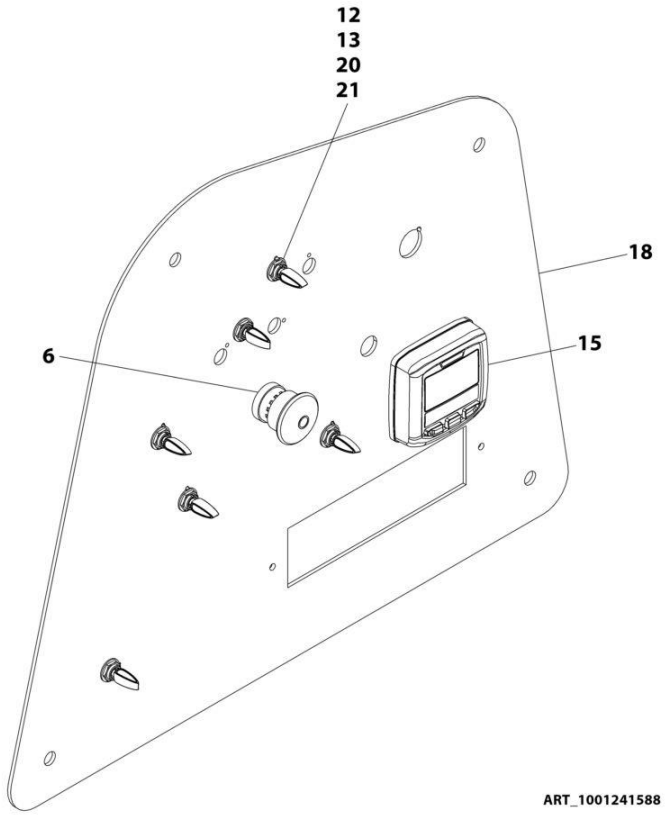


FIGURE 2-35. GROUND CONTROL ASSEMBLY (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241588	Ref	GROUND CONTROL PANEL ASSEMBLY	B
6	4360475	1	Switch, Emergency Stop	
6	7020175	1	Cap	
6	7020176	1	Block, Contact	
12	1001155043	6	Washer	
13	1001155044	6	Nut 15/32	
15	1001171482	1	Gauge	
18	1001191126	1	Plate	
20	4740397	6	Washer	
21	1001155045	6	Switch, Toggle	

FIGURE 2-36. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

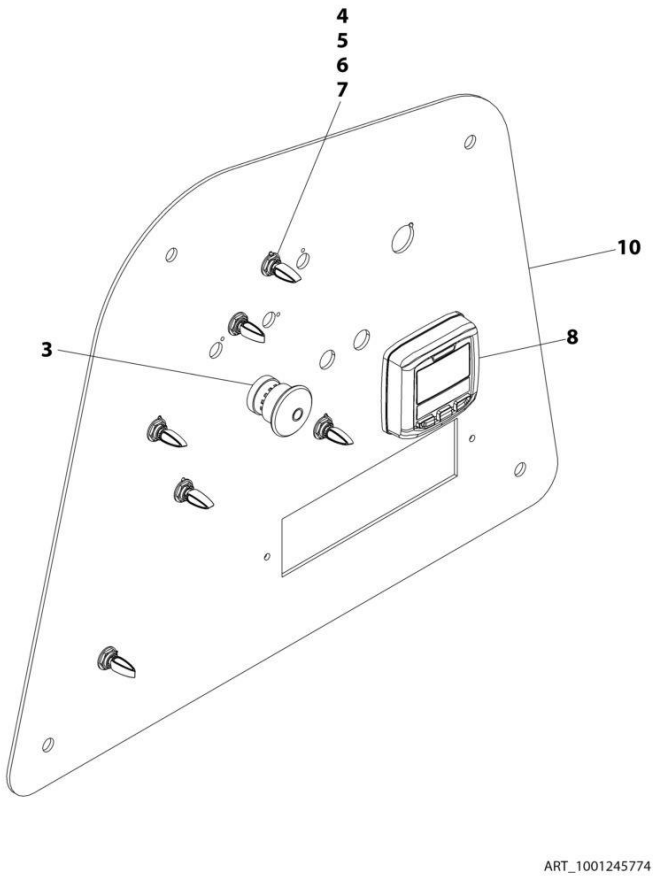
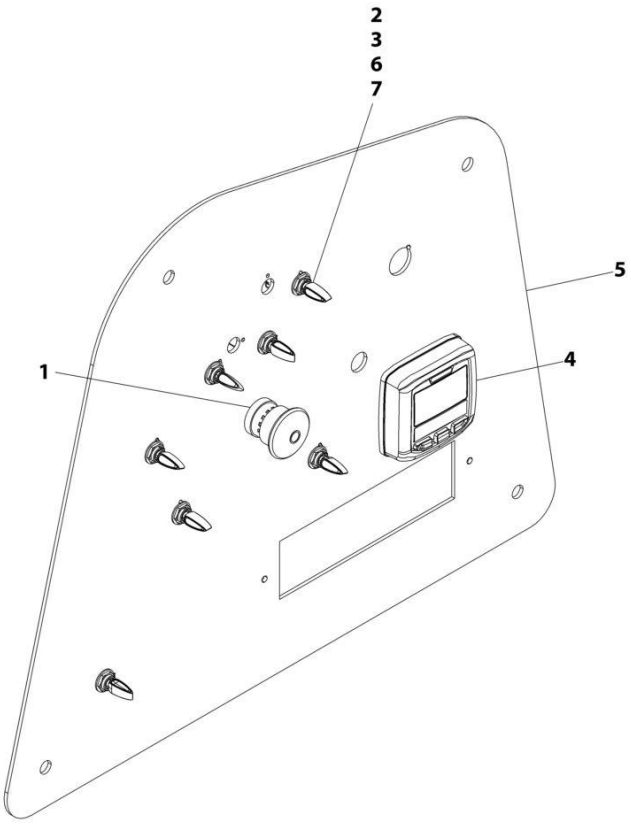


FIGURE 2-36. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245774	Ref	GROUND CONTROL PANEL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap	
3	7020176	1	Block, Contact	
4	4740397	6	Washer	
5	1001155043	6	Washer	
6	1001155044	6	Nut 15/32	
7	1001155045	6	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245773	1	Plate	

FIGURE 2-37. GROUND CONTROL ASSEMBLY (660SJ)



NOTE: FOR LIGHT PANEL COMPONENTS, SEE SEPARATE BREAKDOWN IN ELECTRICAL INSTALLATION OR LIGHT PANEL INSTALLATION.

ART_1001250273

FIGURE 2-37. GROUND CONTROL ASSEMBLY (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250273	Ref	GROUND CONTROL PANEL ASSEMBLY	B
1	4360475	1	Switch, Emergency Stop	
1	7020175	1	Cap	
1	7020176	1	Block, Contact	
2	1001155043	7	Washer	
3	1001155044	7	Nut 15/32	
4	1001171482	1	Gauge	
5	1001191126	1	Plate	
6	4740397	7	Washer	
7	1001155045	7	Switch, Toggle	
8	4460234	AR	Mount, Tie Strap (Not Shown)	

FIGURE 2-38. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

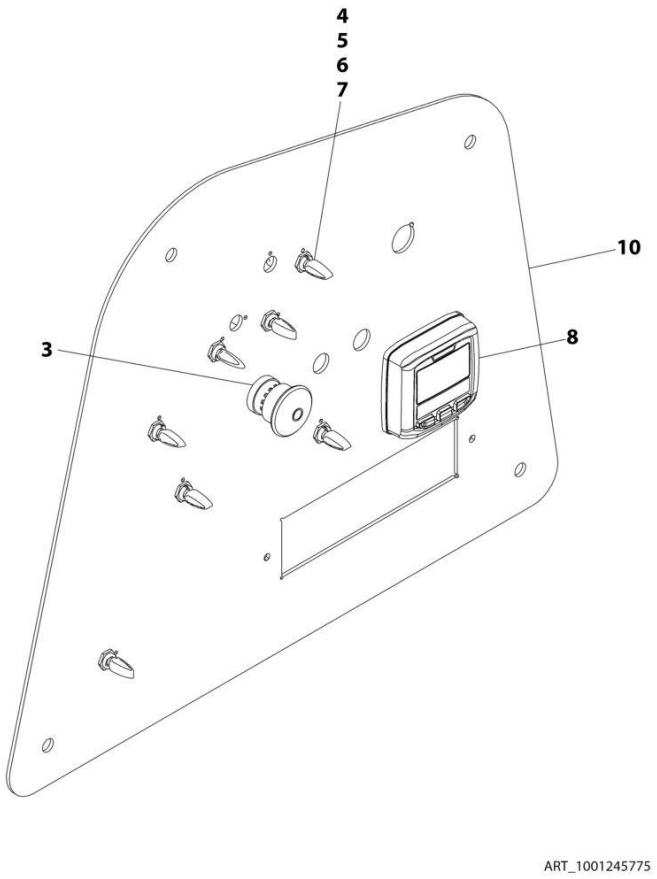
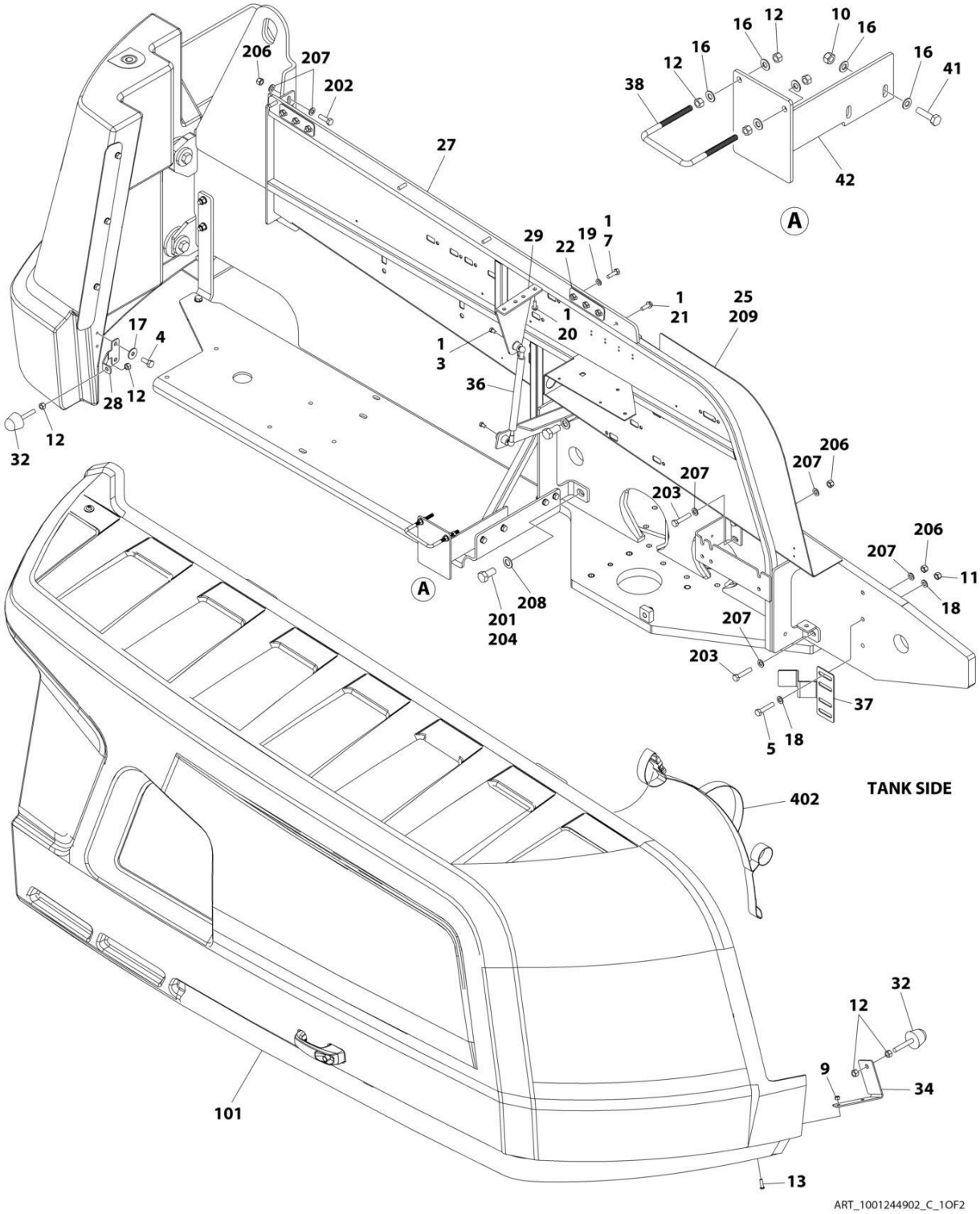


FIGURE 2-38. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245775	Ref	GROUND CONTROL PANEL ASSEMBLY	B
3	4360475	1	Switch, Emergency Stop	
3	7020175	1	Cap	
3	7020176	1	Block, Contact	
4	4740397	7	Washer	
5	1001155043	7	Washer	
6	1001155044	7	Nut 15/32	
7	1001155045	7	Switch, Toggle	
8	1001171482	1	Gauge	
10	1001245773	1	Plate	

FIGURE 2-39. HOODS INSTALLATIONS - ABS (DEUTZ D2.9L4 - 49HP ENGINE)



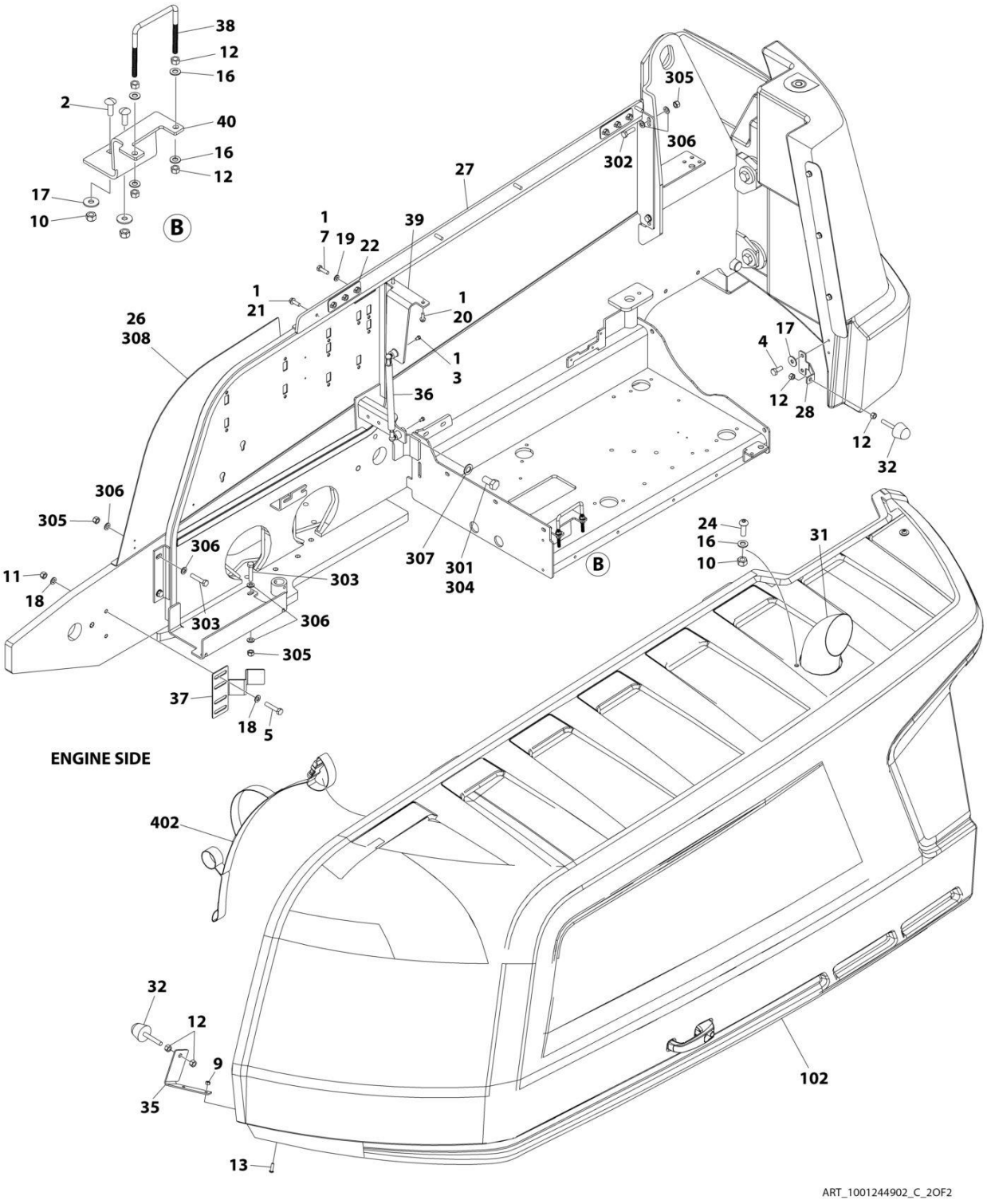
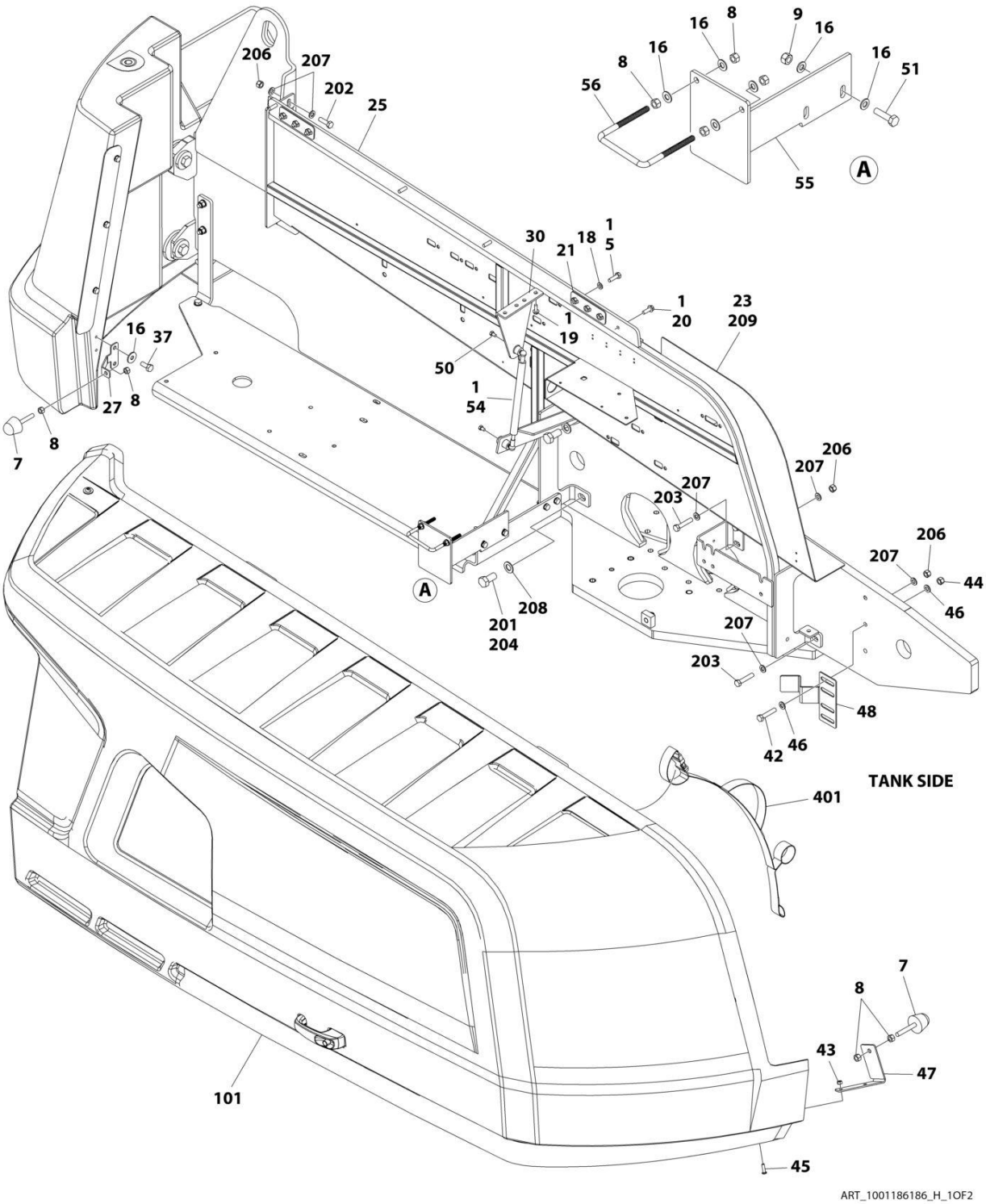

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ART_1001244902_C_2OF2

FIGURE 2-39. HOODS INSTALLATIONS - ABS (DEUTZ D2.9L4 - 49HP ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244902	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
3	0641504	4	Bolt 5/16 x 1/2	
4	0701012	2	Bolt M10 x 25	
5	0701220	2	Bolt M12 x 60	
7	0761015	12	Bolt M10 x 35	
9	3290605	4	Nut M6	
10	3291005	6	Nut M10	
11	3291205	2	Nut M12	
12	3311601	16	Nut 3/8	
13	3900364	4	Screw M6 x 20	
16	4812000	14	Washer M10	
17	4812002	4	Washer M10	
18	4812100	4	Washer M12	
19	5241000	12	Washer M10	
20	5250812	4	Bolt M8 x 25	
21	5251014	8	Bolt M10 x 30	
22	1001169046	4	Nut, Hinge	
24	1001174673	2	Screw M10 x 30	
25	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
26	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
27	1001189067	2	Mount	
28	1001190338	2	Bracket	
29	1001192841	1	Bracket	
31	1001193760	1	Pipe, Exhaust	
32	1001206314	4	Bumper	
34	1001213543	1	Bracket	
35	1001213744	1	Bracket	
36	1001213794	4	Spring, Gas	
37	1001231310	2	Bracket	
38	1001243414	2	Bolt, U-Bolt	
39	1001243654	1	Bracket	
40	1001244878	1	Bracket	
41	0701016	2	Bolt M10 x 40	
42	1001243171	1	Support	
100	1001227887	1	Hood Kit (Not Shown)	
101	1001195454	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001195455	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001270242	Ref	STRAP INSTALLATION	A
402	1001160505	2	Strap, Hand	

FIGURE 2-40. HOODS INSTALLATIONS - ABS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)



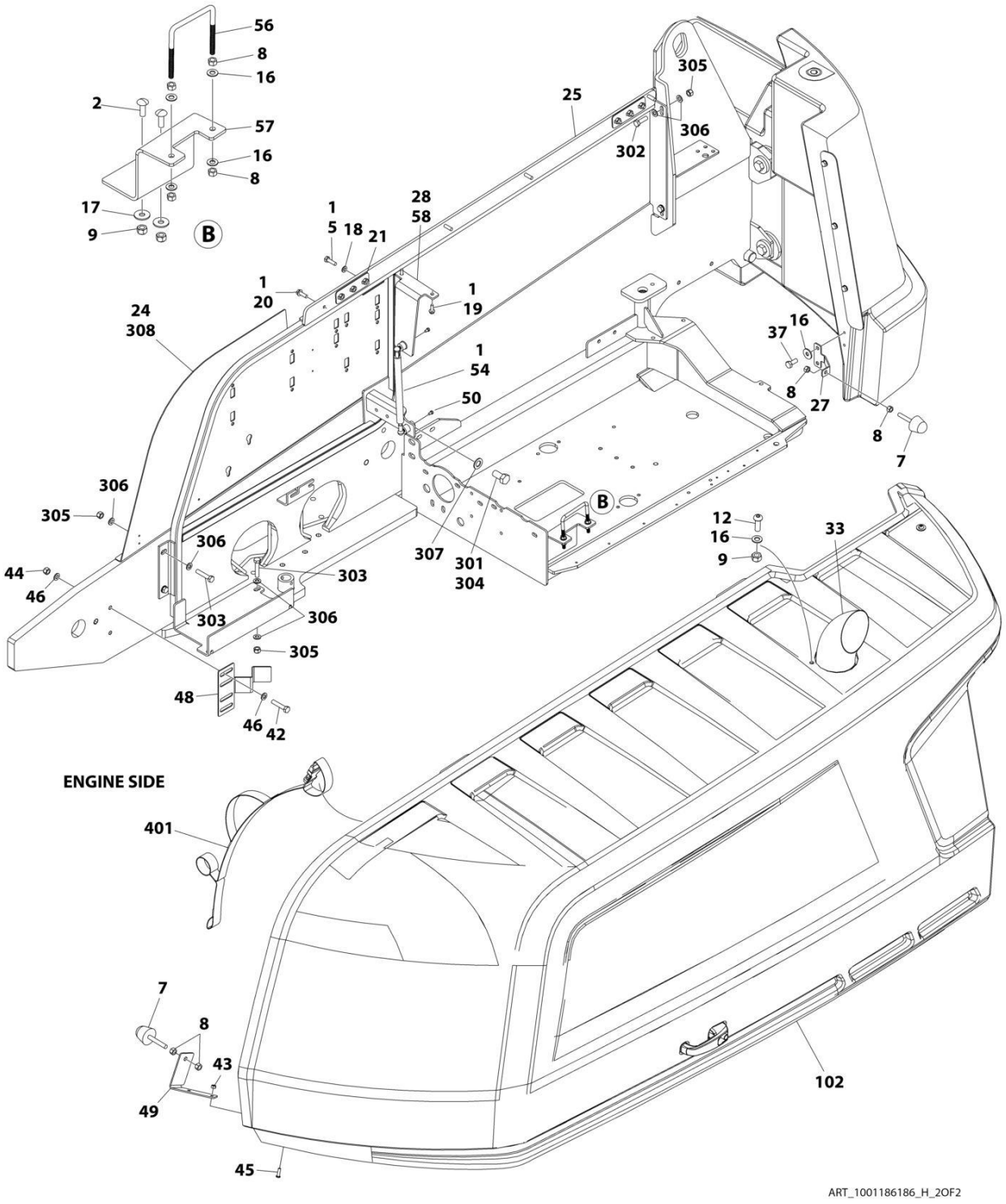

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ART_1001186186_H_2OF2

FIGURE 2-40. HOODS INSTALLATIONS - ABS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186186	Ref	HOODS INSTALLATIONS	H
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
4	0760810	8	Bolt M8 x 20	
5	0761015	12	Bolt M10 x 35	
7	1001206314	4	Bumper	
8	3311601	16	Nut 3/8	
9	3291005	6	Nut M10	
12	1001174673	2	Screw M10 x 30	
16	4812000	14	Washer M10	
17	4812002	4	Washer M10	
18	5241000	12	Washer M10	
19	5250812	4	Bolt M8 x 25	
20	5251014	8	Bolt M10 x 30	
21	1001169046	4	Nut, Hinge	
23	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
24	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
25	1001189067	2	Mount	
27	1001190338	2	Bracket	
30	1001192841	1	Bracket	
33	1001193760	1	Pipe, Exhaust	
37	0701012	2	Bolt M10 x 25	
42	0701220	2	Bolt M12 x 60	
43	3290605	4	Nut M6	
44	3291205	2	Nut M12	
45	3900364	4	Screw M6 x 20	
46	4812100	4	Washer M12	
47	1001213543	1	Bracket	
48	1001231310	2	Bracket	
49	1001213744	1	Bracket	
50	0641504	4	Bolt 5/16 x 1/2	
51	0701016	2	Bolt M10 x 40	
54	1001213794	2	Spring, Gas	
55	1001243171	1	Support	
56	1001243414	2	U-Bolt 3/8	
57	1001243522	1	Bracket	
58	1001243654	1	Bracket	
100	1001227887	1	Hood Kit (Not Shown)	
101	1001195454	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001195455	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001253940	Ref	STRAP INSTALLATION	A
401	1001160505	2	Strap, Hand	

FIGURE 2-41. HOOD ASSEMBLY - ENGINE SIDE (ABS)

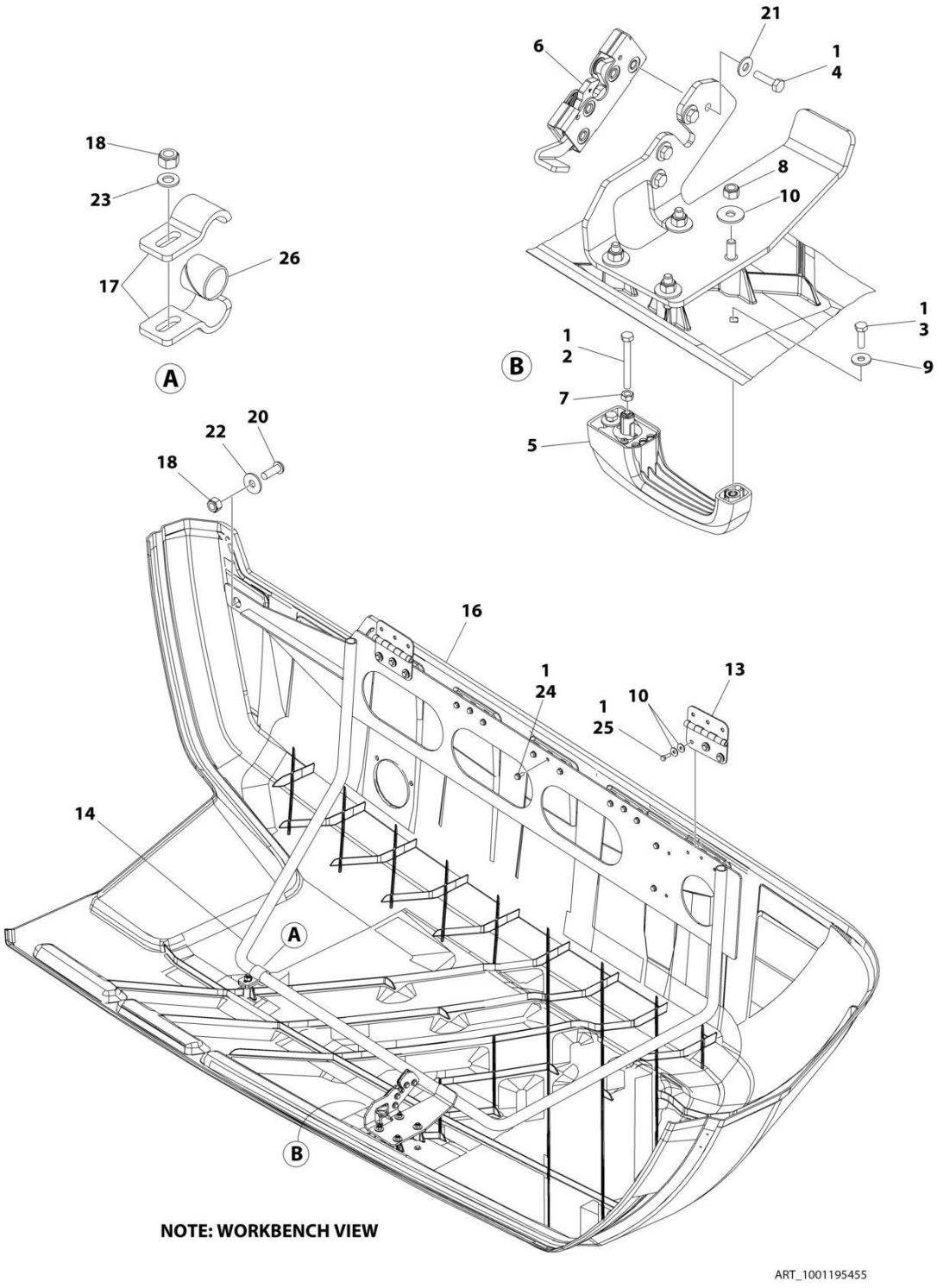


FIGURE 2-41. HOOD ASSEMBLY - ENGINE SIDE (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195455	Ref	HOOD ASSEMBLY	H
1	0100011	AR	Compound, Locking	
2	0700619	1	Bolt M6 x 55	
3	0760610	2	Bolt M6 x 20	
4	0641408	4	Bolt 1/4 x 1	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3290805	4	Nut M8	
9	4811702	2	Washer M6	
10	4811902	16	Washer M8	
13	1001139384	2	Hinge	
14	1001204251	1	Support	
16	1001193169	1	Hood	
17	1321384	2	Clamp	
18	3291005	2	Nut M10	
20	1001174673	1	Screw M10 x 30	
21	4751400	4	Washer 1/4	
22	4812002	1	Washer M10	
23	4812000	1	Washer M10	
24	5250810	11	Bolt M8 x 20	
25	0760812	6	Bolt M8 x 25	
26	1001227367	1	Bearing	

FIGURE 2-42. HOOD ASSEMBLY - TANK SIDE (ABS)

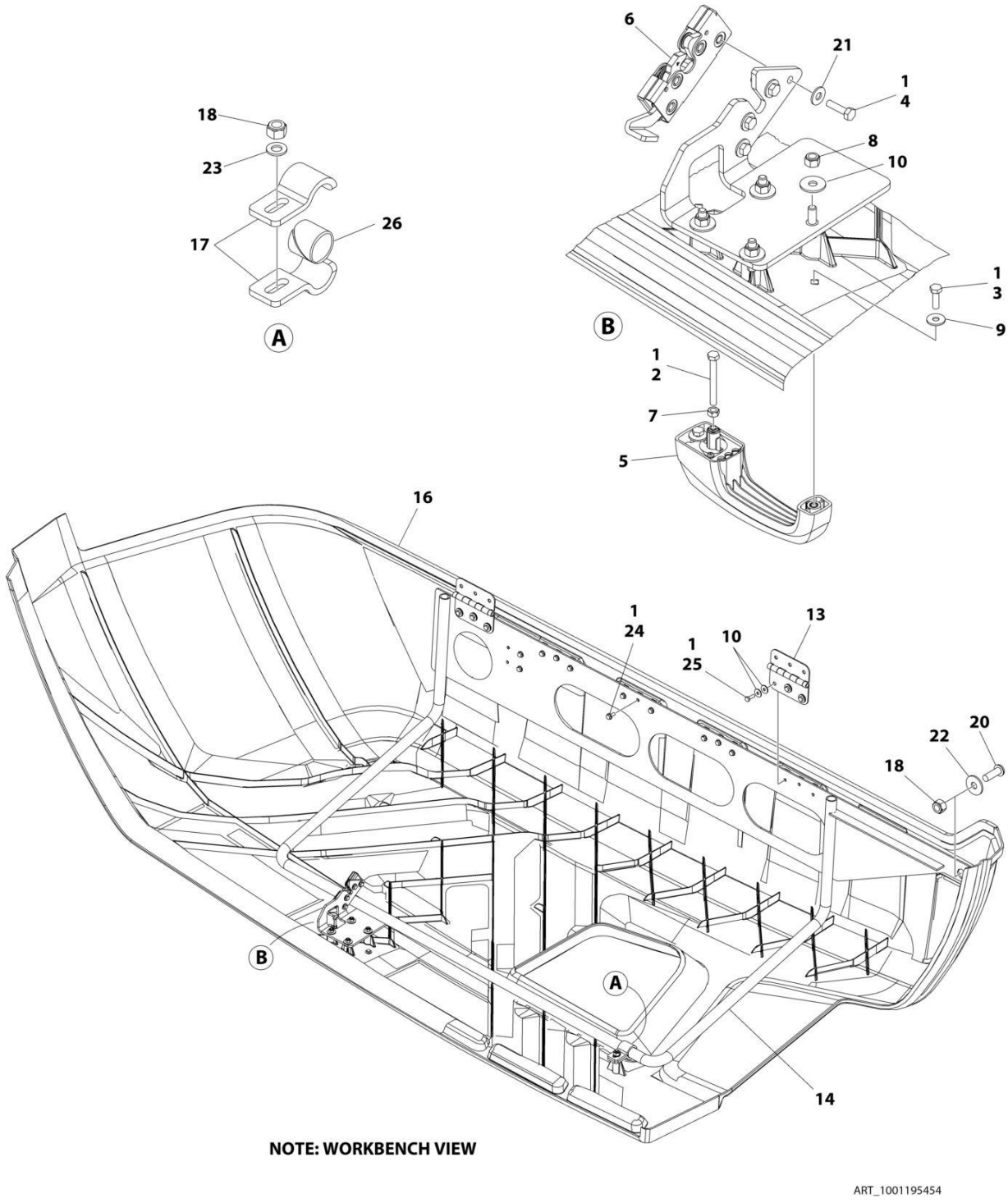
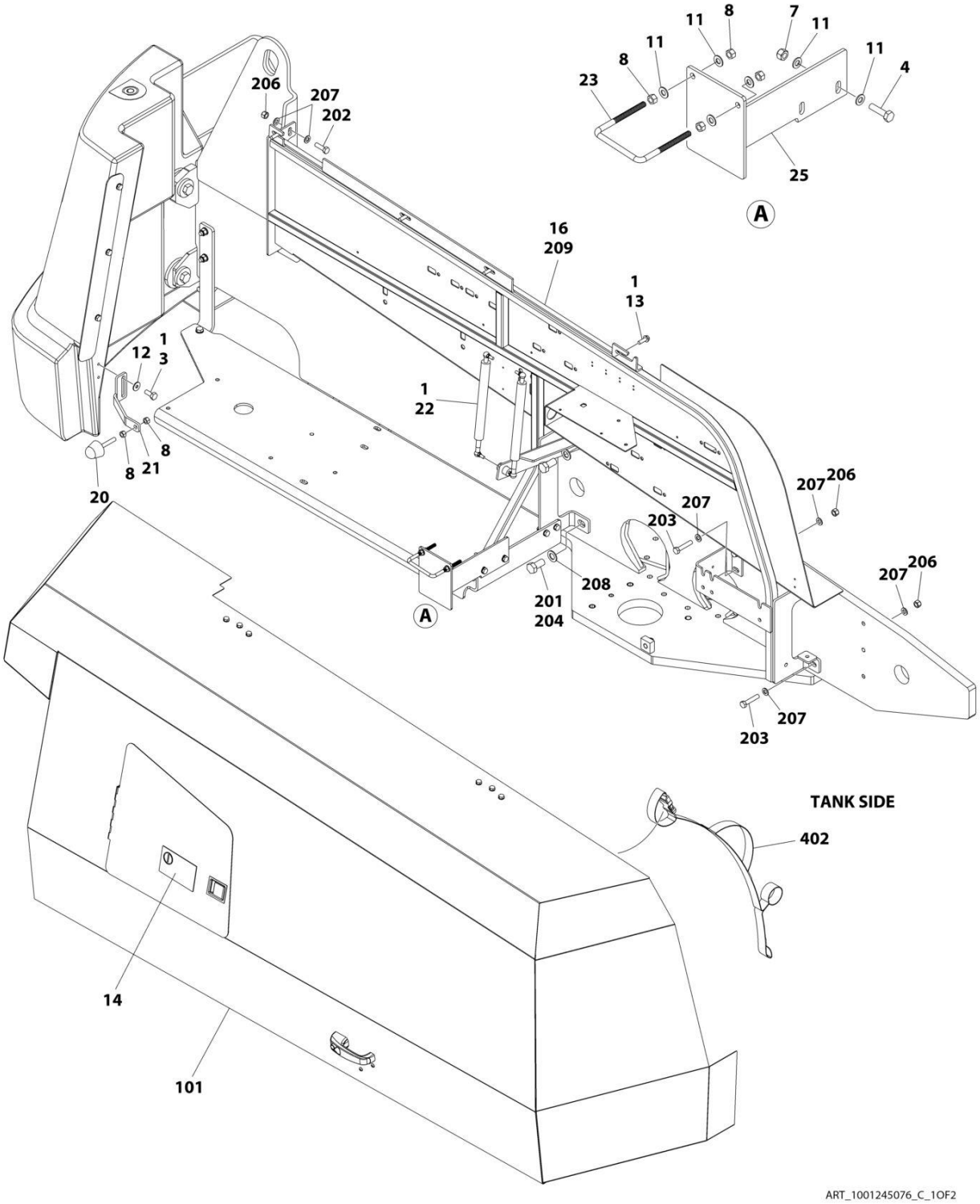


FIGURE 2-42. HOOD ASSEMBLY - TANK SIDE (ABS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001195454	Ref	HOOD ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0700619	1	Bolt M6 x 55	
3	0760610	2	Bolt M6 x 20	
4	0641408	4	Bolt 1/4 x 1	
5	2560187	1	Handle, Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3290805	4	Nut M8	
9	4811702	2	Washer M6	
10	4811902	16	Washer M8	
13	1001139384	2	Hinge	
14	1001204303	1	Support	
16	1001193168	1	Hood	
17	1321384	2	Clamp	
18	3291005	2	Nut M10	
20	1001174673	1	Screw M10 x 30	
21	4751400	4	Washer 1/4	
22	4812002	1	Washer M10	
23	4812000	1	Washer M10	
24	5250810	11	Bolt M8 x 20	
25	0760812	6	Bolt M8 x 25	
26	1001227367	1	Bearing	

FIGURE 2-43. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH 03) (DEUTZ D2.9L4 - 49HP ENGINE)



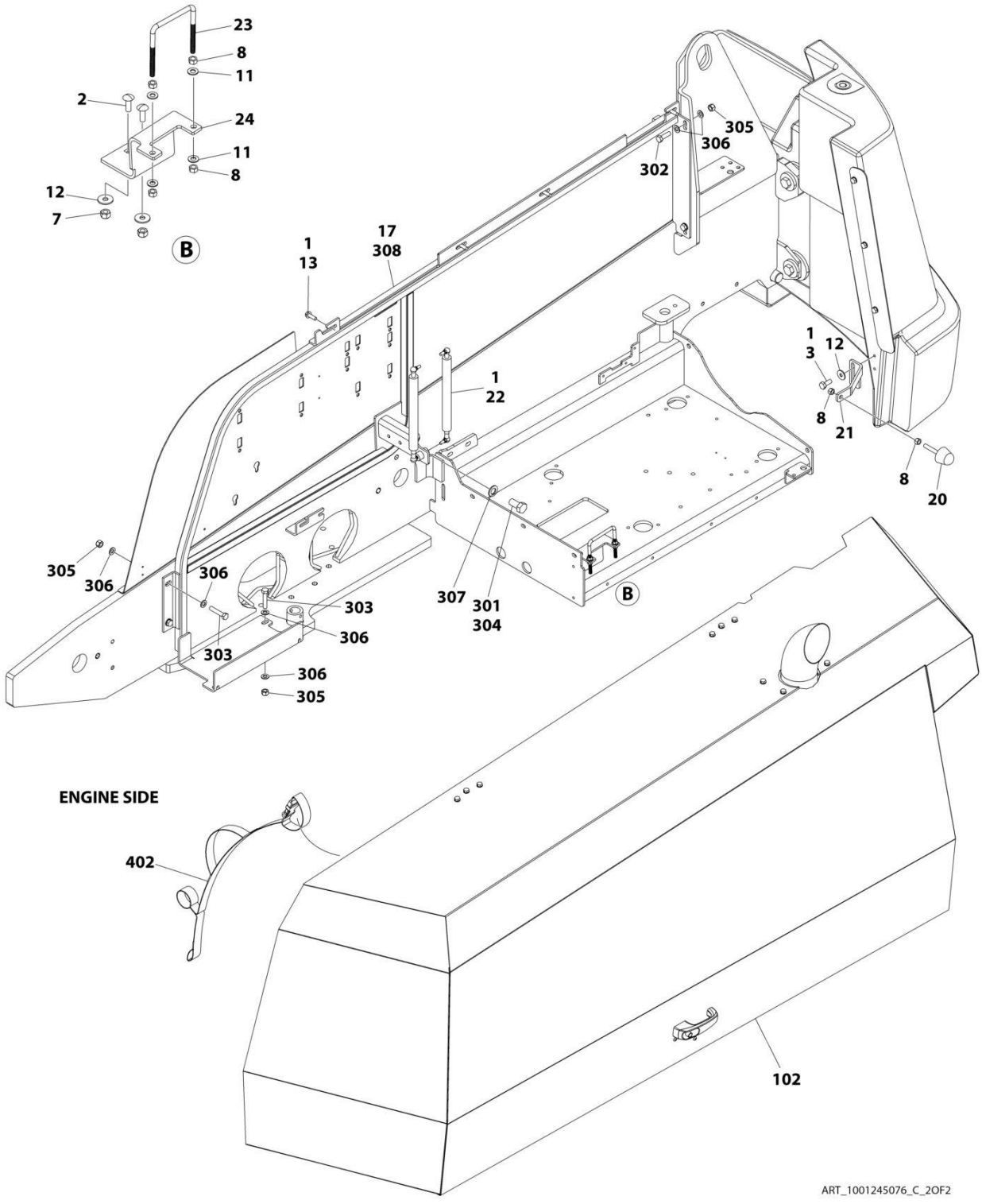
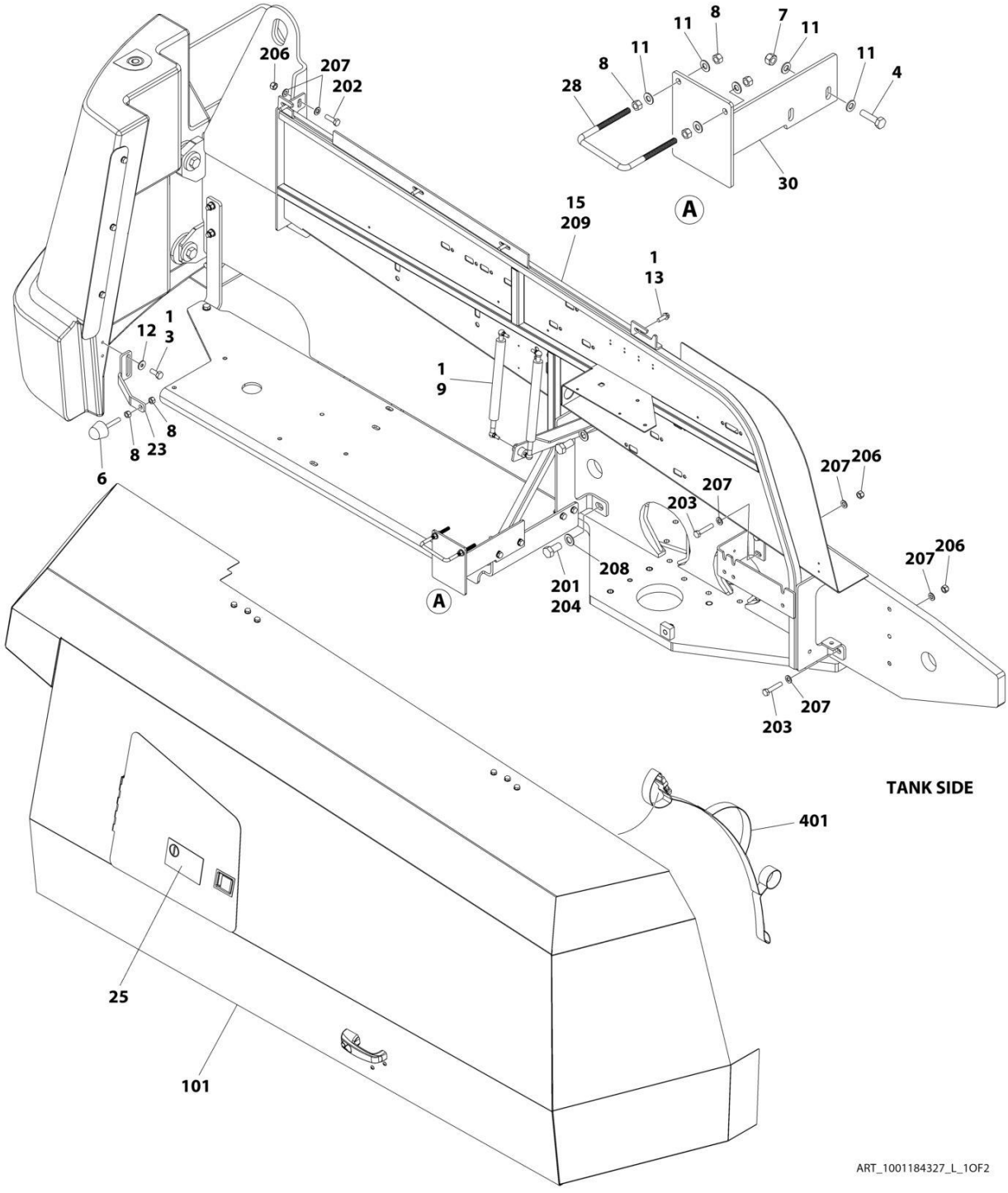

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ENGINE SIDE
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ART_1001245076_C_2OF2

FIGURE 2-43. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH 03) (DEUTZ D2.9L4 - 49HP ENGINE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245076	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0630613	2	Bolt M10 x 30	
3	0701012	4	Bolt M10 x 25	
4	0701016	2	Bolt M10 x 40	
7	3291005	4	Nut M10	
8	3311601	12	Nut 3/8	
11	4812000	12	Washer M10	
12	4812002	4	Washer M10	
13	5251014	8	Bolt M10 x 30	
14	1001117307	1	Decal - Emergency Stop	
16	1001187950	1	Side Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
17	1001187951	1	Side Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
20	1001206314	2	Bumper	
21	1001212333	2	Bracket	
22	1001219138	4	Spring, Gas	
23	1001243414	2	Bolt, U-Bolt	
24	1001244878	1	Bracket	
25	1001243171	1	Support	
100	1001227888	1	Hood Kit (Not Shown)	
101	1001211762	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001211774	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	
	1001270243	Ref	STRAP INSTALLATION	B
402	1001160505	2	Strap, Hand	

FIGURE 2-44. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH 03) (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)



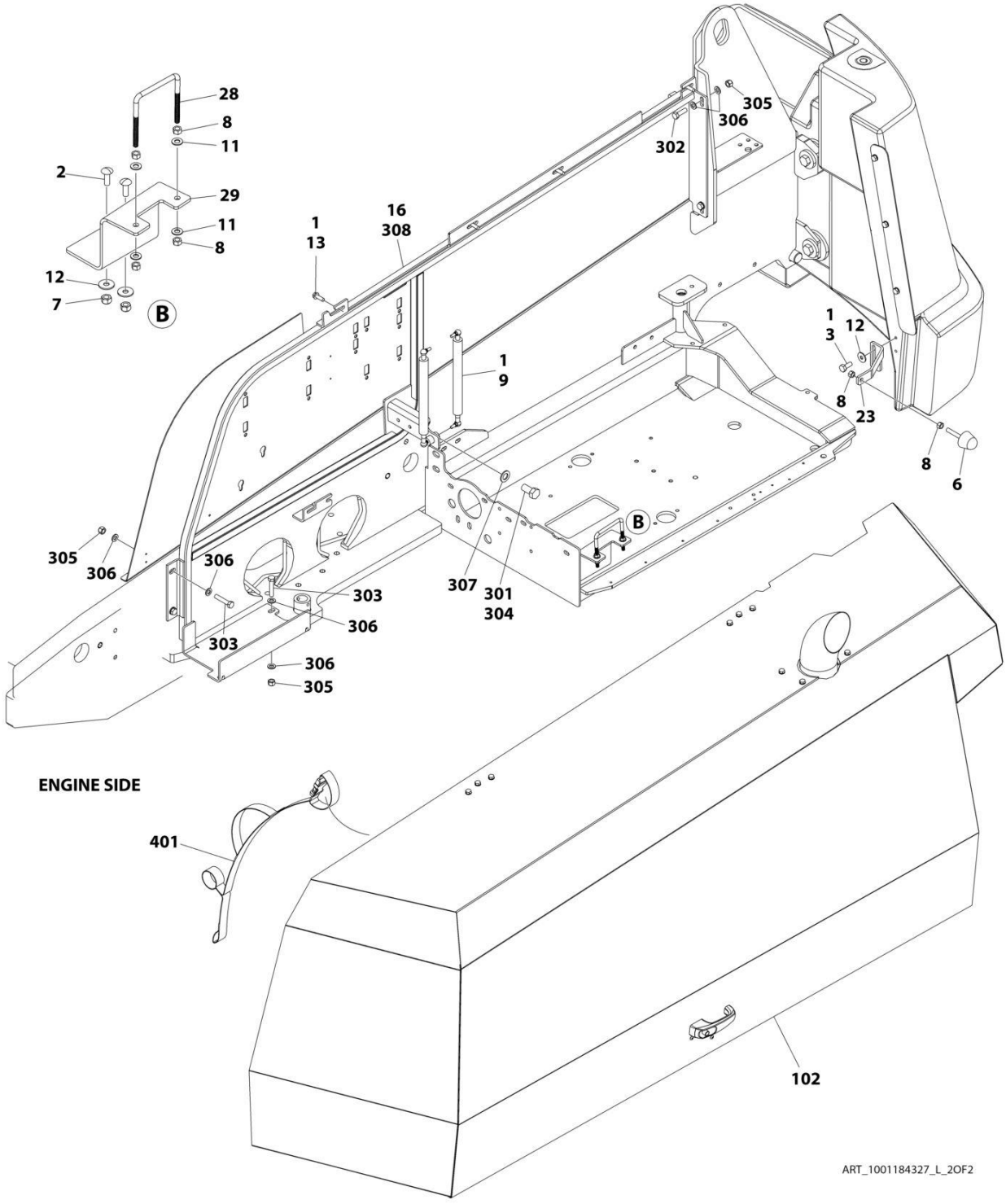
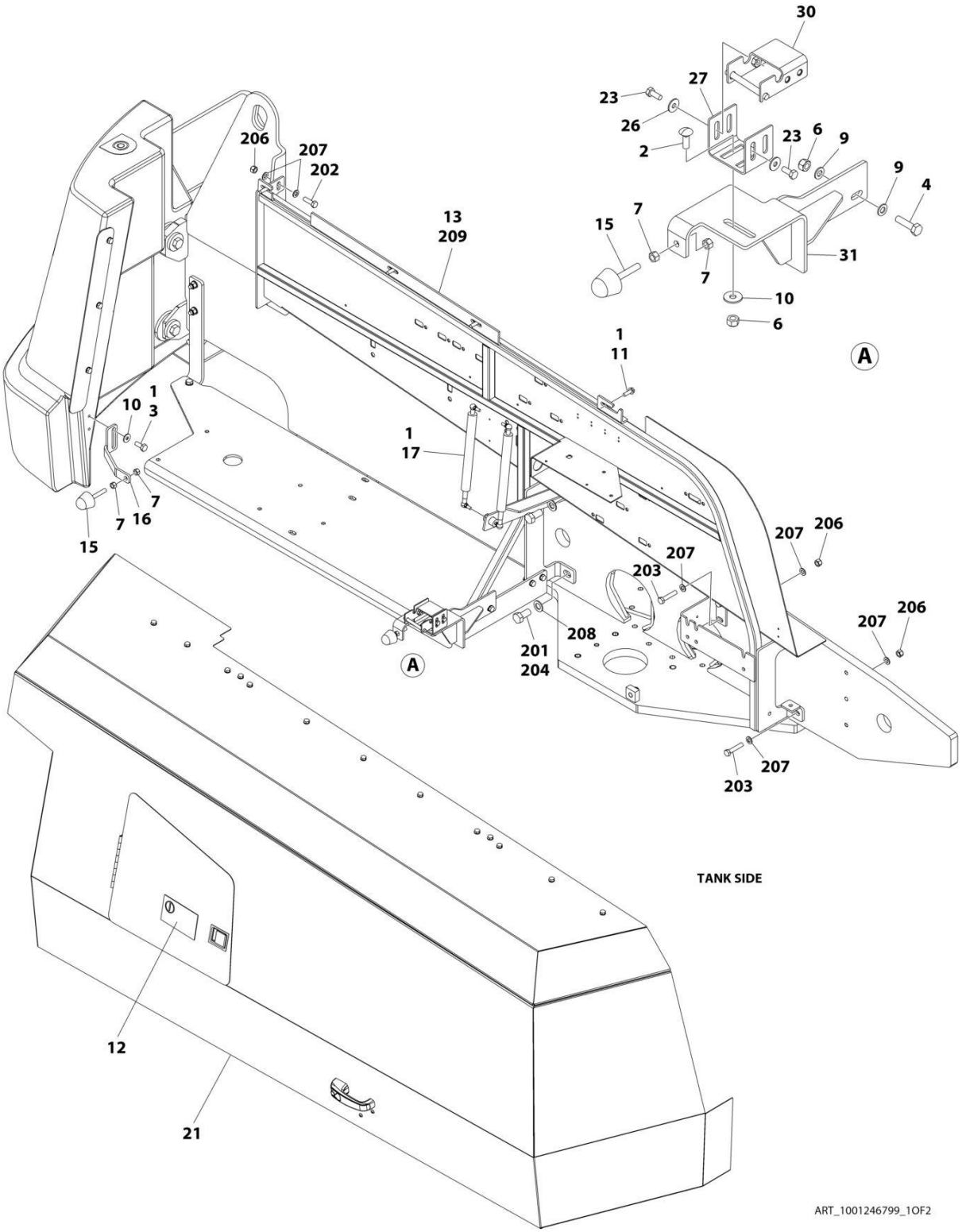

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ENGINE SIDE
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ART_1001184327_L_2OF2

FIGURE 2-44. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH 03) (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184327	Ref	HOODS INSTALLATIONS	L
1	0100011	AR	Compound, Locking	
2	0630613	AR	Bolt M10 x 30	
3	0701012	4	Bolt M10 x 25	
4	0701016	2	Bolt M10 x 40	
5	0760810	8	Bolt M8 x 20	
6	1001206314	2	Bumper	
7	3291005	AR	Nut M10	
8	3311601	12	Nut 3/8	
9	1001219138	4	Spring, Gas	
10	4811902	8	Washer M8	
11	4812000	12	Washer M10	
12	4812002	AR	Washer M10	
13	5251014	8	Bolt M10 x 30	
14	1001172615	1	Mount	
15	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
16	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
17	1001190756	1	Support	
18	1001192842	1	Mount	
19	1001192843	1	Support	
20	1001195535	1	Mount	
23	1001212333	2	Bracket	
25	1001117307	1	Decal - Emergency Stop	
28	1001243414	2	U-Bolt 3/8	
29	1001243522	1	Bracket	
30	1001243171	1	Support	
100	1001227888	1	Hood Kit (Not Shown)	
101	1001211762	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
102	1001211774	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
308	1001188187	1	Side-Sheet, Engine Side	
	1001253953	Ref	STRAP INSTALLATION	B
401	1001160505	2	Strap, Hand	

FIGURE 2-45. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH B3)



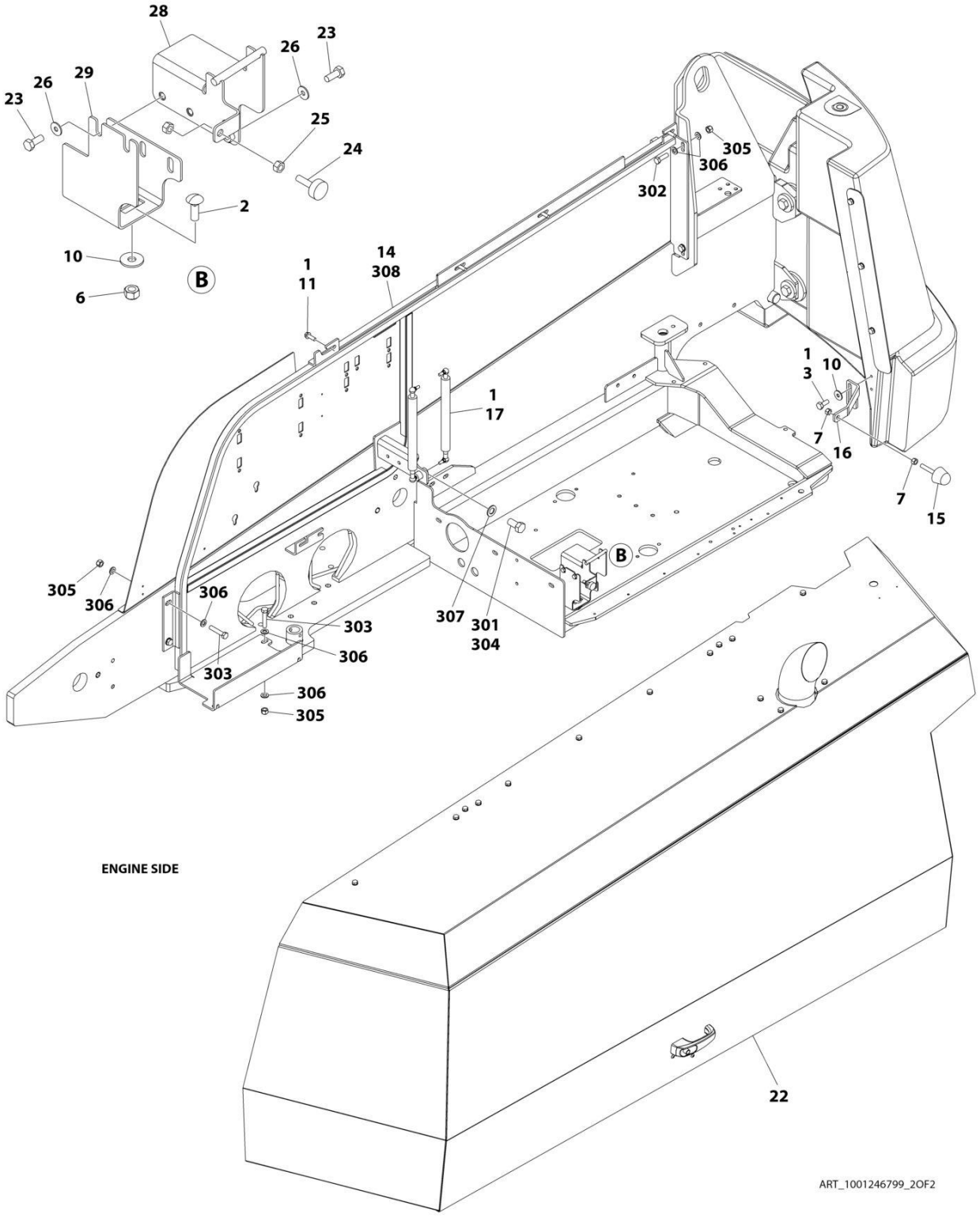
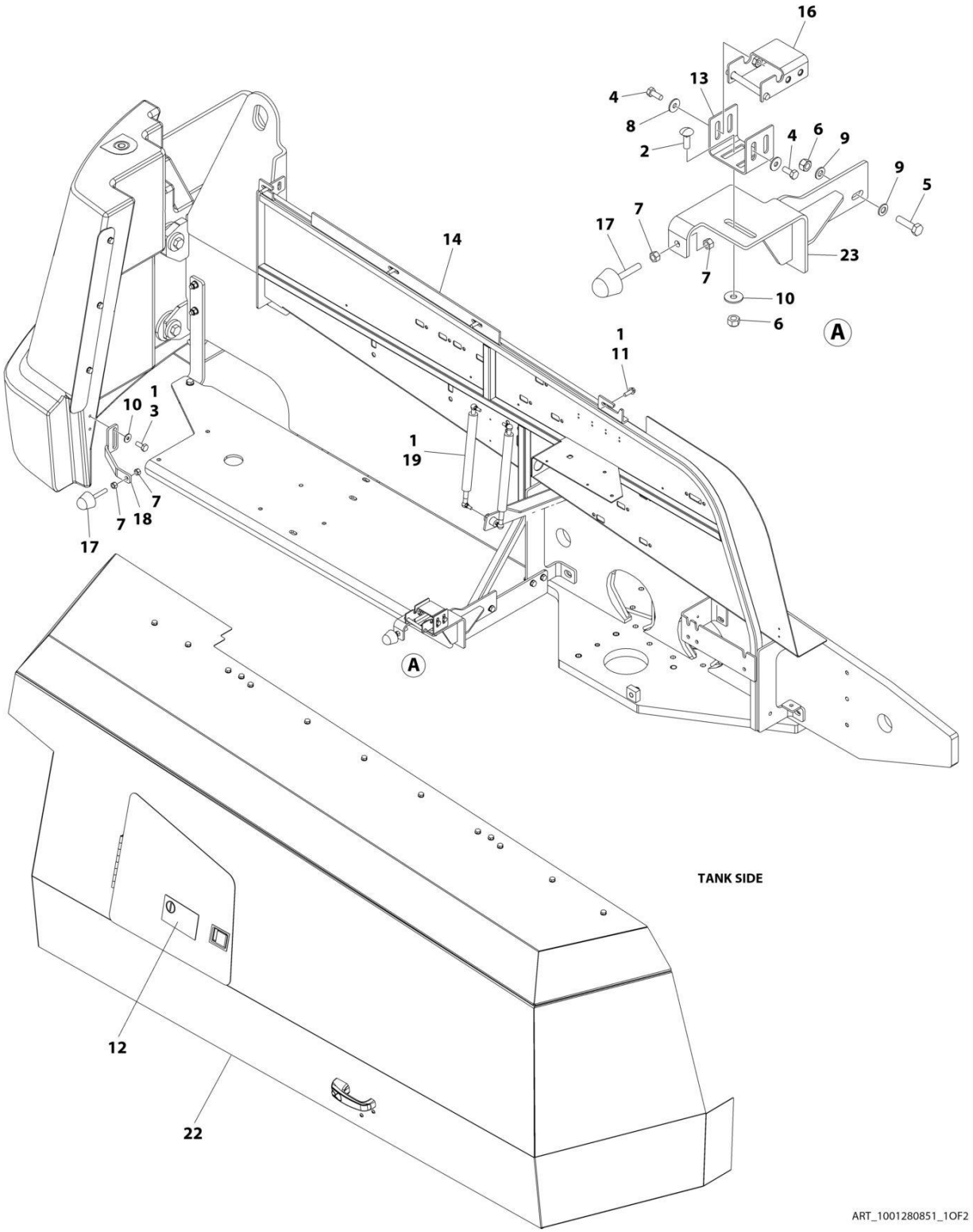

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ART_1001246799_2OF2

FIGURE 2-45. HOODS INSTALLATIONS - STEEL (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246799	Ref	HOODS INSTALLATIONS	C
1	0100011	AR	Compound, Locking	
2	0630613	AR	Bolt M10 x 30	
3	0701012	2	Bolt M10 x 25	
4	0701016	2	Bolt M10 x 40	
6	3291005	AR	Nut M10	
7	3311601	AR	Nut 3/8	
9	4812000	AR	Washer M10	
10	4812002	AR	Washer M10	
11	5251014	8	Bolt M10 x 30	
12	1001117307	1	Decal - Emergency Stop	
13	1001187950	1	Side-Sheet Assembly - Tank Side (See Items 201-209 for Breakdown)	
14	1001187951	1	Side-Sheet Assembly - Engine Side (See Items 301-308 for Breakdown)	
15	1001206314	3	Bumper	
16	1001212333	2	Bracket	
17	1001219138	4	Spring, Gas	
21	1001246756	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
22	1001246798	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	
23	0760810	8	Bolt M8 x 20	
24	0940049	1	Stopper, Hood	
25	3311501	2	Nut M8	
26	4811902	AR	Washer M8	
27	1001172615	1	Mount, Hood Latch	
28	1001190756	1	Support, Striker	
29	1001192842	1	Mount, Hood Latch	
30	1001192843	1	Support, Striker	
31	1001270668	1	Support, Striker Mount	
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
201	0100011	AR	Compound, Locking	
202	0701216	2	Bolt M12 x 40	
203	0701220	4	Bolt M12 x 60	
204	0762016	2	Bolt M20 x 40	
206	3291205	6	Nut M12	
207	4812100	12	Washer M12	
208	4812500	2	Washer M20	
209	1001188194	1	Side-Sheet, Tank Side	
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
301	0100011	AR	Compound, Locking	
302	0701216	2	Bolt M12 x 40	
303	0701220	3	Bolt M12 x 60	
304	0762016	1	Bolt M20 x 40	
305	3291205	5	Nut M12	
306	4812100	10	Washer M12	
307	4812500	1	Washer M20	
308	1001188187	1	Side-Sheet, Engine Side	

FIGURE 2-46. HOODS INSTALLATION - STEEL (MACHINES WITH SN STARTING WITH B3) (DEUTZ D2.9L4 (CHINA IV) ENGINES)



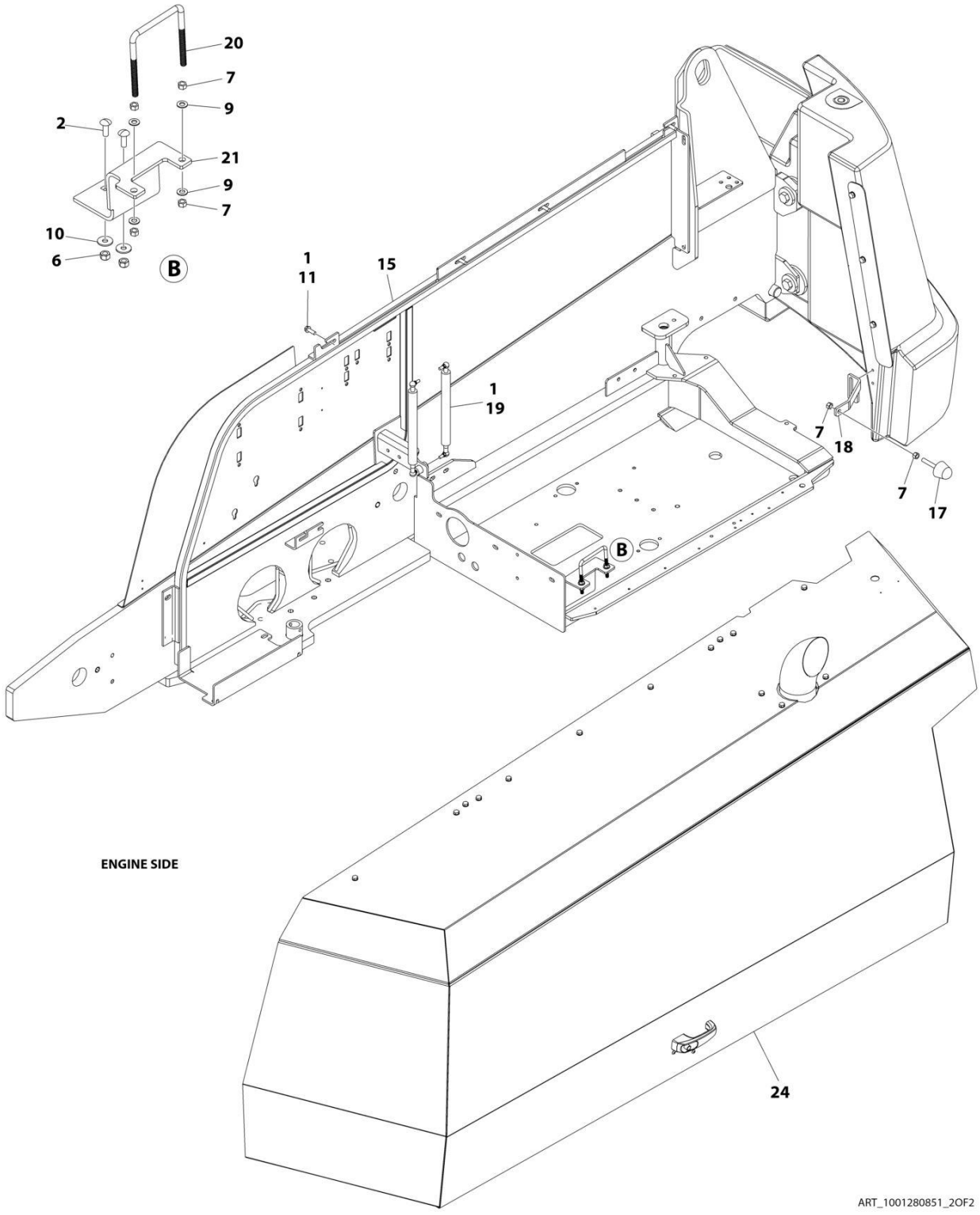

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ART_1001280851_2OF2

FIGURE 2-46. HOODS INSTALLATION - STEEL (MACHINES WITH SN STARTING WITH B3) (DEUTZ D2.9L4 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001280851	Ref	HOODS INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0630613	4	Bolt M10 x 30	
3	0701012	2	Bolt M10 x 25	
4	0760810	4	Bolt M8 x 20	
5	0761016	2	Compound, Locking	
6	3291005	6	Nut, Lock M10	
7	3311601	10	Nut 3/8	
8	4811902	4	Washer M8	
9	4812000	8	Washer M10	
10	4812002	6	Washer M10	
11	5251014	8	Bolt M10 x 30	
12	1001117307	1	Decal - Emergency Stop	
13	1001172615	1	Mount	
14	1001187950	1	Side-Sheet Assembly - Tank Side (See Separate Breakdown in this Section)	
15	1001187951	1	Side-Sheet Assembly - Engine Side (See Separate Breakdown in this Section)	
16	1001192843	1	Support	
17	1001206314	3	Bumper	
18	1001212333	2	Bracket	
19	1001219138	4	Spring, Gas	
20	1001243414	1	U-Bolt 3/8	
21	1001244878	1	Bracket	
22	1001246756	1	Hood Assembly - Tank Side (See Separate Breakdown in this Section)	
23	1001270668	1	Support	
24	1001281595	1	Hood Assembly - Engine Side (See Separate Breakdown in this Section)	

FIGURE 2-47. HOOD ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH 03)

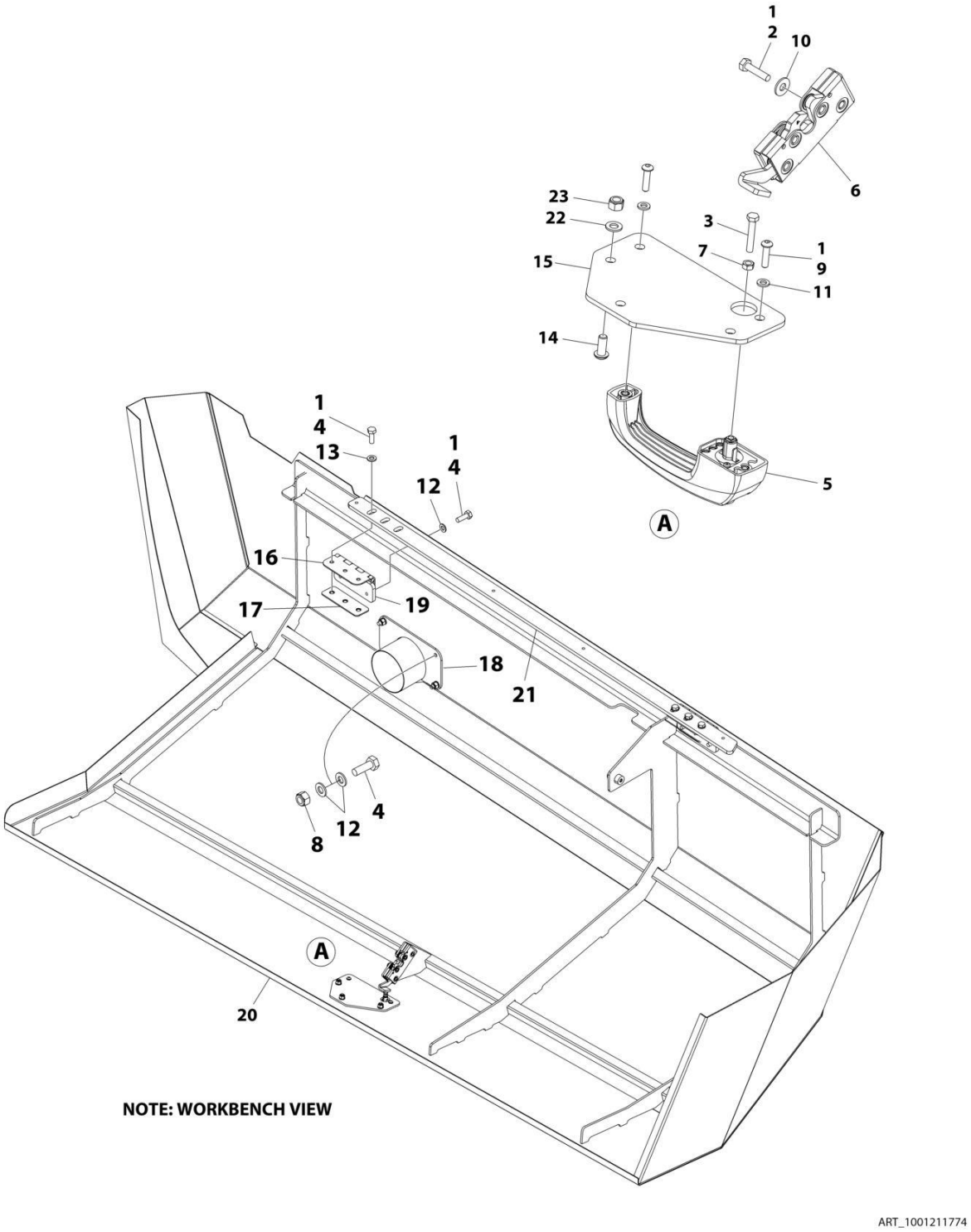


FIGURE 2-47. HOOD ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211774	Ref	HOOD ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1-1/8	
3	0700615	1	Bolt M6 x 35	
4	0761014	16	Bolt M10 x 30	
5	2560187	1	Handle , Push Button	
6	2940173	1	Latch, Rotary	
7	3290601	1	Nut M6	
8	3291005	4	Nut M10	
9	3900363	2	Screw M6 x 25	
10	4751400	4	Washer 1/4	
11	4811700	2	Washer M6	
12	4812000	14	Washer M10	
13	5241000	6	Washer M10	
14	1001164726	3	Screw M8 x 20	
15	1001116290	1	Plate	
16	1001139384	2	Hinge	
17	1001169046	2	Nut, Hinge	
18	1001194888	1	Pipe, Exhaust	
19	1001202333	2	Plate, Nut	
20	1001211767	1	Hood	
21	1001211773	1	Plate	
22	4811900	3	Washer M8	
23	3290805	3	Nut M8	

FIGURE 2-48. HOOD ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3)

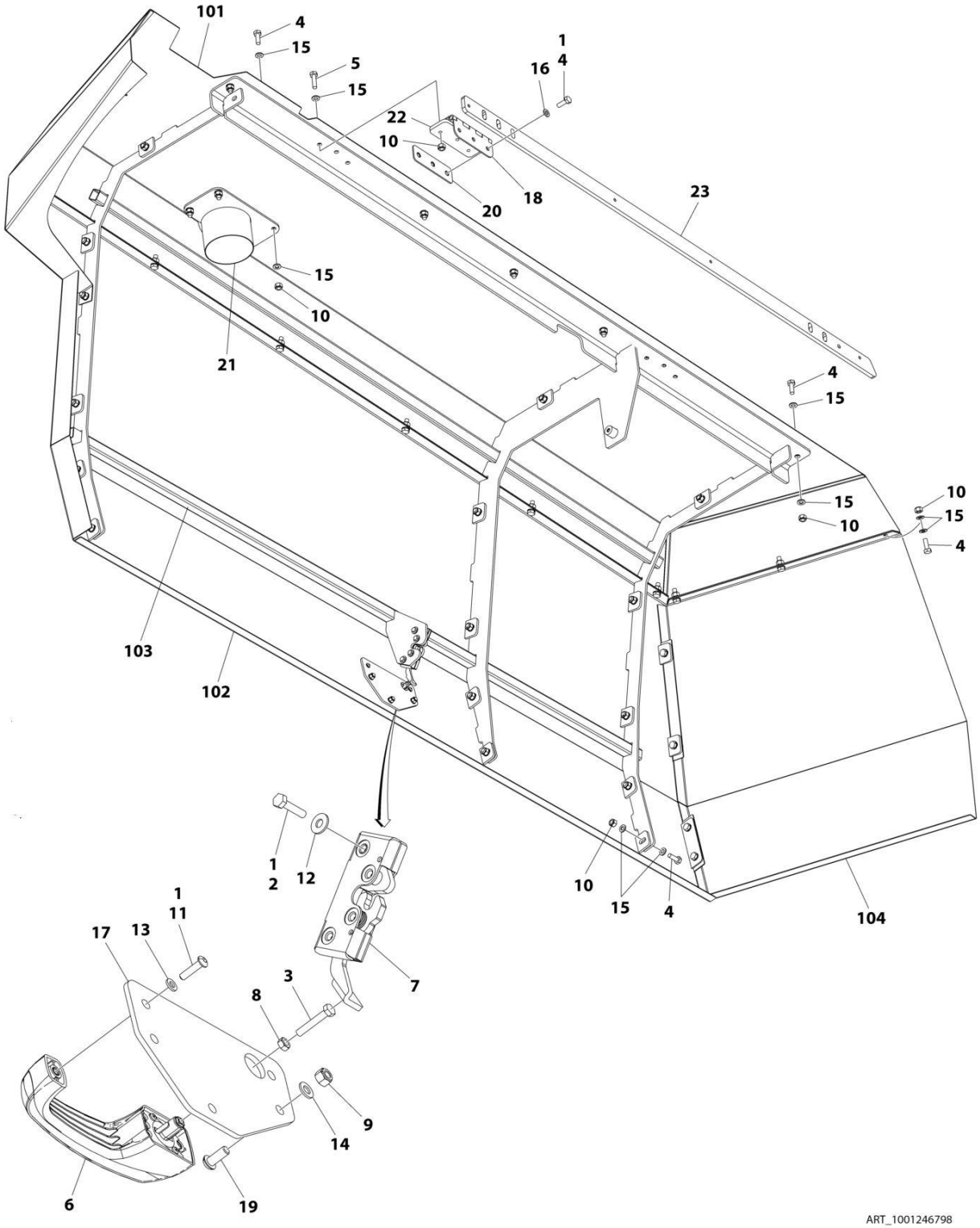


FIGURE 2-48. HOOD ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246798	Ref	HOOD ASSEMBLY - ENGINE SIDE (STEEL)	A
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1/8	
3	0700615	1	Bolt M6 x 35	
4	0761014	44	Bolt M10 x 30	
5	0761016	6	Bolt M10 x 40	
6	2560187	1	Handle, Push Button	
7	2940173	1	Handle, Rotary	
8	3290601	1	Nut M6	
9	3290805	3	Nut M8	
10	3291005	44	Nut M10	
11	3900363	2	Screw M6 x 25	
12	4751400	4	Washer 1/4	
13	4811700	2	Washer M6	
14	4811900	3	Washer M8	
15	4812000	82	Washer M10	
16	5241000	6	Washer M10	
17	1001116290	1	Plate	
18	1001139384	2	Hinge	
19	1001164726	3	Screw M8 x 20	
20	1001169046	2	Nut	
21	1001194888	1	Pipe, Exhaust	
22	1001202333	2	Plate, Nut	
23	1001211773	1	Plate	
100	1001249313	1	Hood Kit (Engine Side) (Not Shown)	
101	1001246796	1	Panel (Top)	
102	1001246795	1	Panel (Side)	
103	1001246794	1	Bracket	
104	1001246789	1	Panel (End)	

FIGURE 2-49. HOODS ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3) (DEUTZ D2.9L4 (CHINA IV) ENGINES)

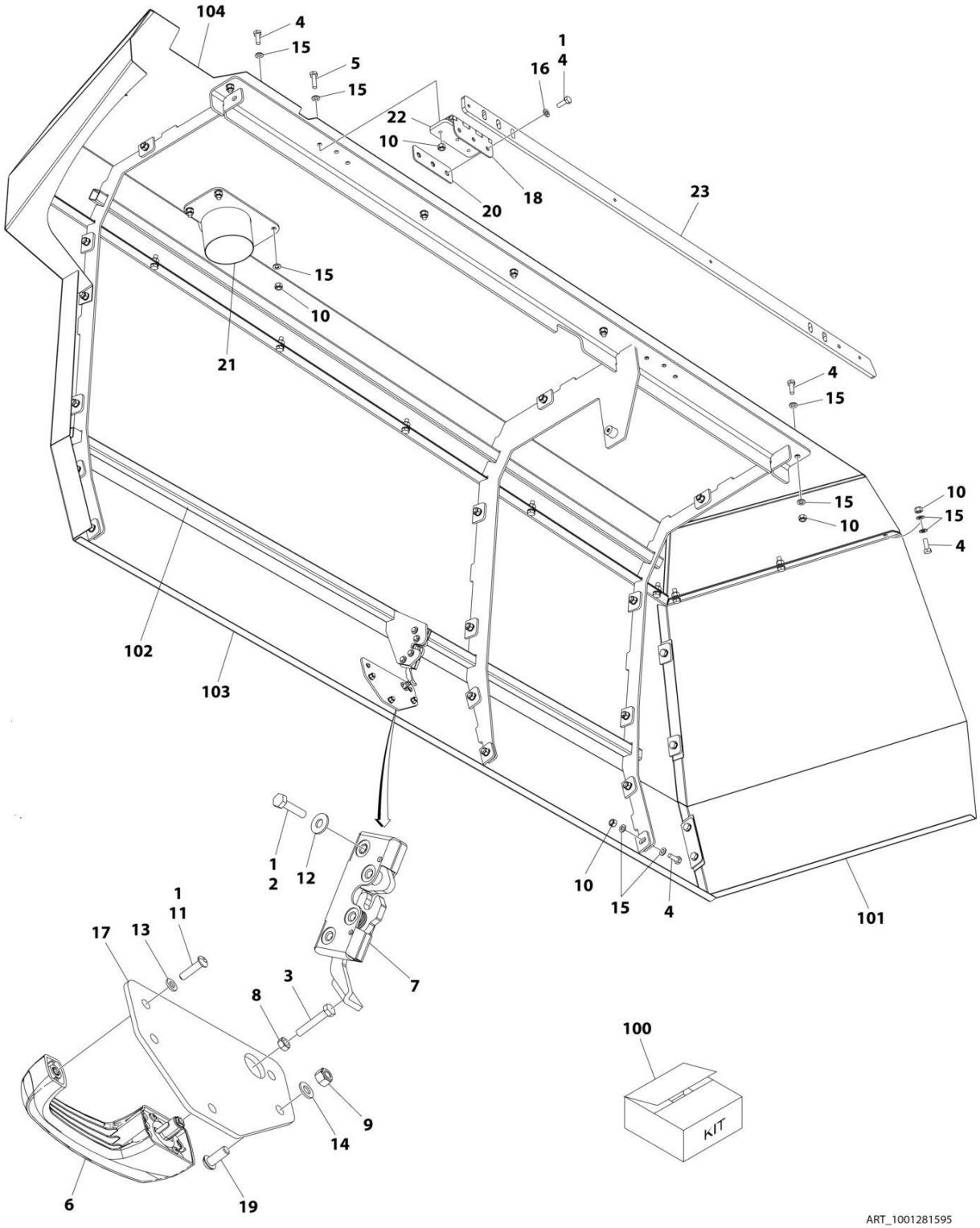


FIGURE 2-49. HOODS ASSEMBLY - ENGINE SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3) (DEUTZ D2.9L4 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001281595	Ref	HOOD ASSEMBLY - ENGINE SIDE (STEEL)	A
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1/8	
3	0700615	1	Bolt M6 x 35	
4	0761014	44	Bolt M10 x 30	
5	0761016	6	Bolt M10 x 40	
6	2560187	1	Handle, Push Button	
7	2940173	1	Handle, Rotary	
8	3290601	1	Nut M6	
9	3290805	3	Nut, Lock M8	
10	3291005	44	Nut, Lock M10	
11	3900363	2	Screw M6 x 25	
12	4751400	4	Washer 1/4	
13	4811700	2	Washer M6	
14	4811900	3	Washer M8	
15	4812000	82	Washer M10	
16	5241000	6	Washer M10	
17	1001116290	1	Plate	
18	1001139384	2	Hinge	
19	1001164726	3	Screw M8 x 20	
20	1001169046	2	Nut, Hinge	
21	1001194888	1	Pipe, Exhaust	
22	1001202333	2	Plate, Nut	
23	1001211773	1	Plate	
100	1001281572	1	Hood Kit (Engine Side)	
101	1001246789	1	Panel (End)	
102	1001246794	1	Bracket	
103	1001281553	1	Panel (Side)	
104	1001281588	1	Panel (Top)	

FIGURE 2-50. HOOD ASSEMBLY - TANK SIDE (STEEL) (MACHINES WITH SN STARTING WITH 03)

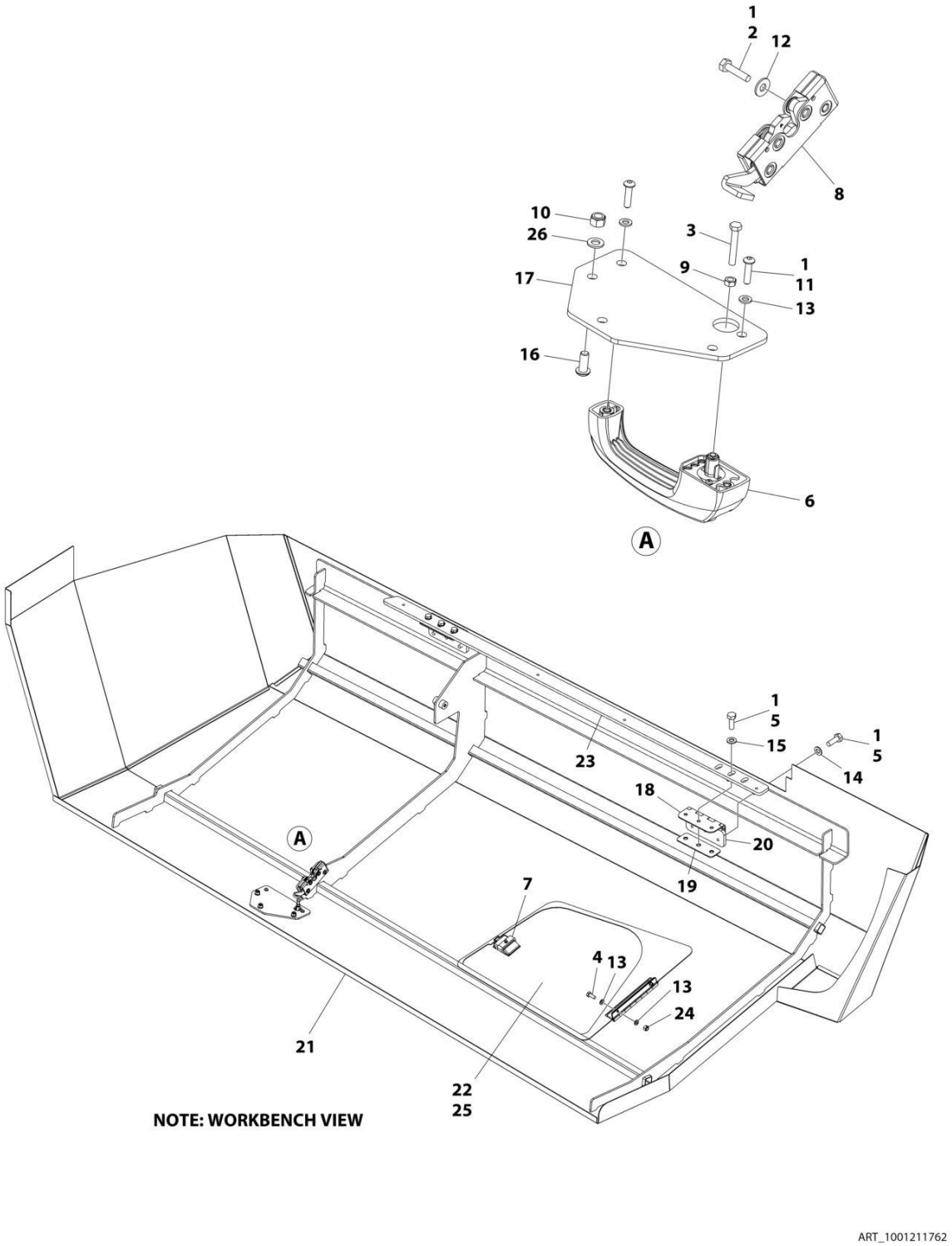


FIGURE 2-50. HOOD ASSEMBLY - TANK SIDE (STEEL) (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211762	Ref	HOOD ASSEMBLY	J
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1-1/8	
3	0700616	1	Bolt M6 x 40	
4	0760608	2	Bolt M6 x 16	
5	0761014	12	Bolt M10 x 30	
6	2560187	1	Handle, Push Button	
7	2940045	1	Latch, Paddle	
8	2940173	1	Latch, Rotary	
9	3290601	1	Nut M6	
10	3290805	3	Nut M8	
11	3900363	2	Screw M6 x 25	
12	4751400	4	Washer 1/4	
13	4811700	6	Washer M6	
14	4812000	6	Washer M10	
15	5241000	6	Washer M10	
16	1001164726	3	Screw M8 x 20	
17	1001116290	1	Plate	
18	1001139384	2	Hinge	
19	1001169046	2	Nut, Hinge	
20	1001202333	2	Plate, Nut	
21	1001211752	1	Hood	
22	1001211760	1	Door	
23	1001211761	1	Plate	
24	3290605	2	Nut M6	
25	1001113047	78 in/ 2m	Seal	
26	4811900	3	Washer M8	

FIGURE 2-51. HOOD ASSEMBLY - TANK SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3)

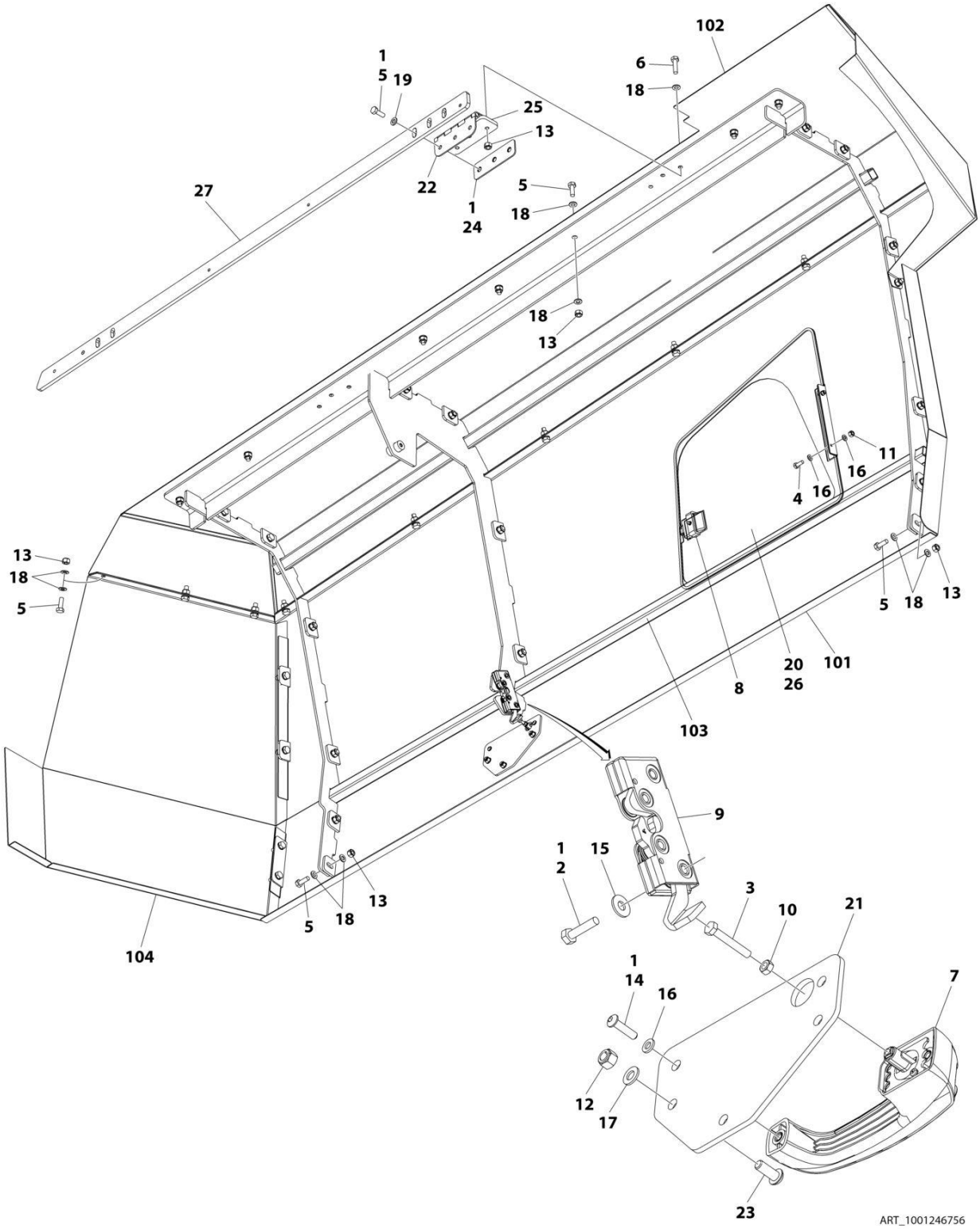


FIGURE 2-51. HOOD ASSEMBLY - TANK SIDE (STEEL) (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246756	Ref	HOOD ASSEMBLY - TANK SIDE (STEEL)	A
1	0100011	AR	Compound, Locking	
2	0641409	4	Bolt 1/4 x 1/8	
3	0700616	1	Bolt M6 x 40	
4	0760608	2	Bolt M6 x 16	
5	0761014	44	Bolt M10 x 30	
6	0761016	6	Bolt M10 x 40	
7	2560187	1	Handle, Push Button	
8	2940045	1	Latch, Paddle	
9	2940173	1	Latch, Rotary	
10	3290601	1	Nut, M6	
11	3290605	2	Nut M6	
12	3290805	3	Nut M8	
13	3291005	44	Nut M10	
14	3900363	2	Screw M6 x 25	
15	4751400	4	Washer 1/4	
16	4811700	6	Washer M6	
17	4811900	3	Washer M8	
18	4812000	82	Washer M10	
19	5241000	6	Washer M10	
20	1001113047	7 ft /2m	Seal	
21	1001116290	1	Plate	
22	1001139384	2	Hinge	
23	1001164726	3	Capscrew M8 x 20	
24	1001169046	2	Nut	
25	1001202333	2	Plate, Nut	
26	1001211760	1	Door	
27	1001211761	1	Plate	
100	1001249312	1	Hood Kit (Tank Side) (Not Shown)	
101	1001246563	1	Panel (Side)	
102	1001246564	1	Panel (Top)	
103	1001246565	1	Bracket	
104	1001246574	1	Panel (End)	

FIGURE 2-52. SIDE-SHEET ASSEMBLY - TANK SIDE

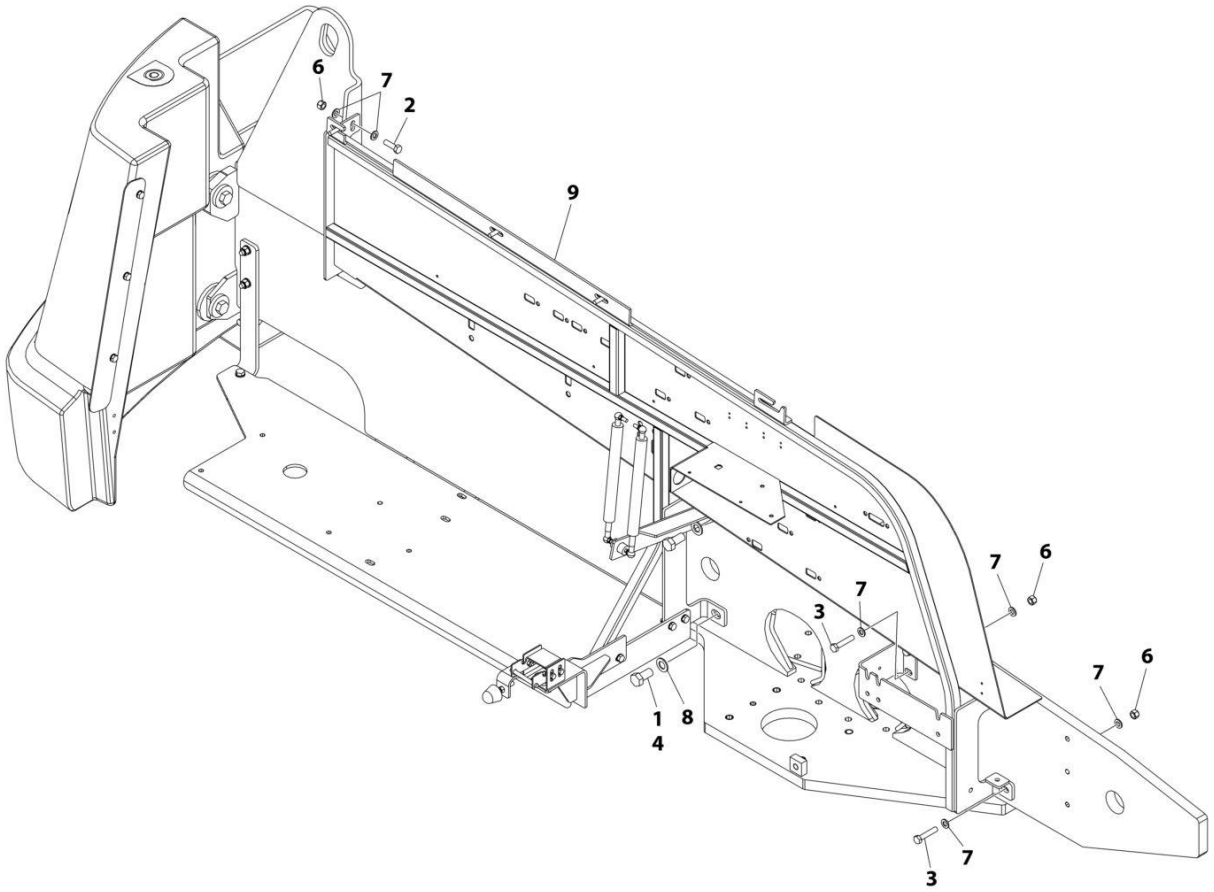


FIGURE 2-52. SIDE-SHEET ASSEMBLY - TANK SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187950	Ref	SIDE-SHEET ASSEMBLY - TANK SIDE	C
1	0100011	AR	Compound, Locking	
2	0701216	2	Bolt M12 x 40	
3	0701220	4	Bolt M12 x 60	
4	0762016	2	Bolt M20 x 40	
6	3291205	6	Nut M12	
7	4812100	12	Washer M12	
8	4812500	2	Washer M20	
9	1001188194	1	Side-Sheet, Tank Side	

FIGURE 2-53. SIDE-SHEET ASSEMBLY - ENGINE SIDE

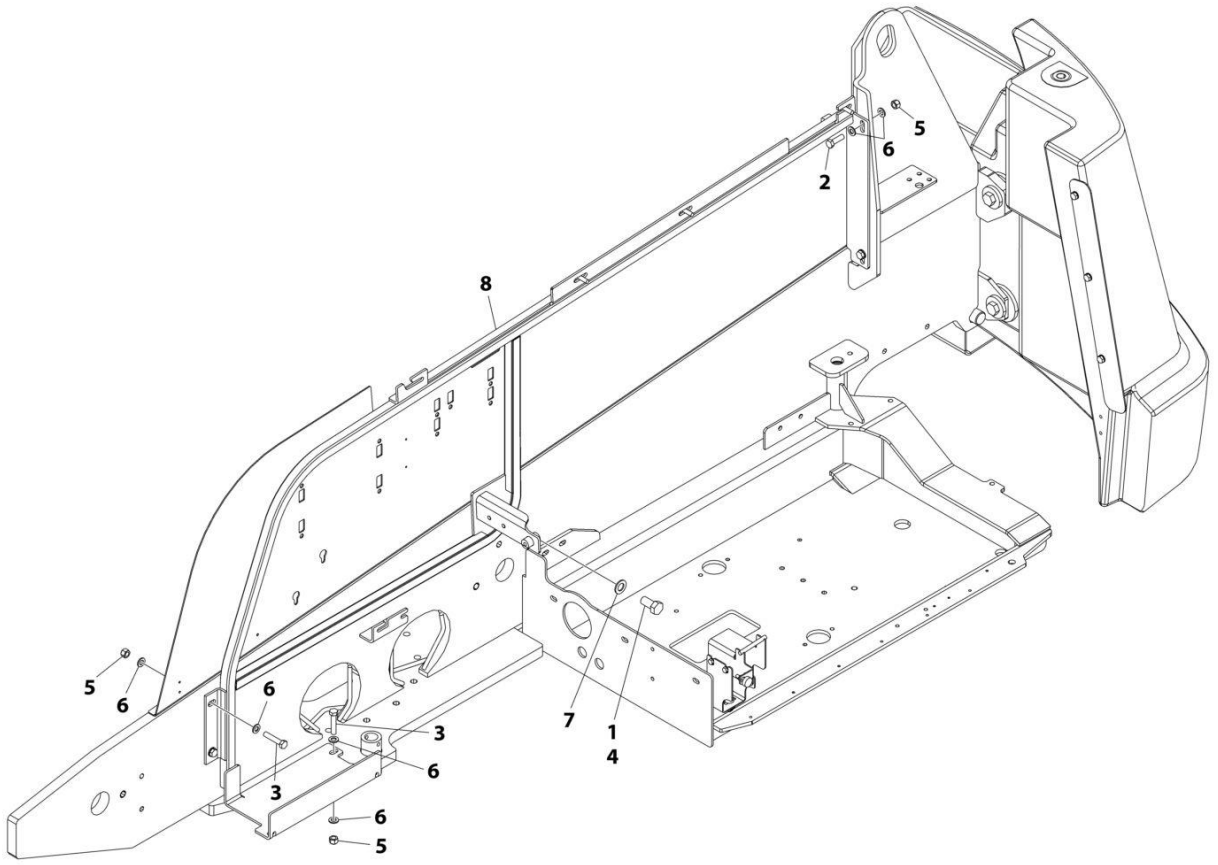


FIGURE 2-53. SIDE-SHEET ASSEMBLY - ENGINE SIDE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187951	Ref	SIDE-SHEET ASSEMBLY - ENGINE SIDE	B
1	0100011	AR	Compound, Locking	
2	0701216	2	Bolt M12 x 40	
3	0701220	3	Bolt M12 x 60	
4	0762016	1	Bolt M20 x 40	
5	3291205	5	Nut M12	
6	4812100	10	Washer M12	
7	4812500	1	Washer M20	
8	1001188187	1	Side-Sheet, Engine Side	

FIGURE 2-54. KEYSWITCH INSTALLATION (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (600S)

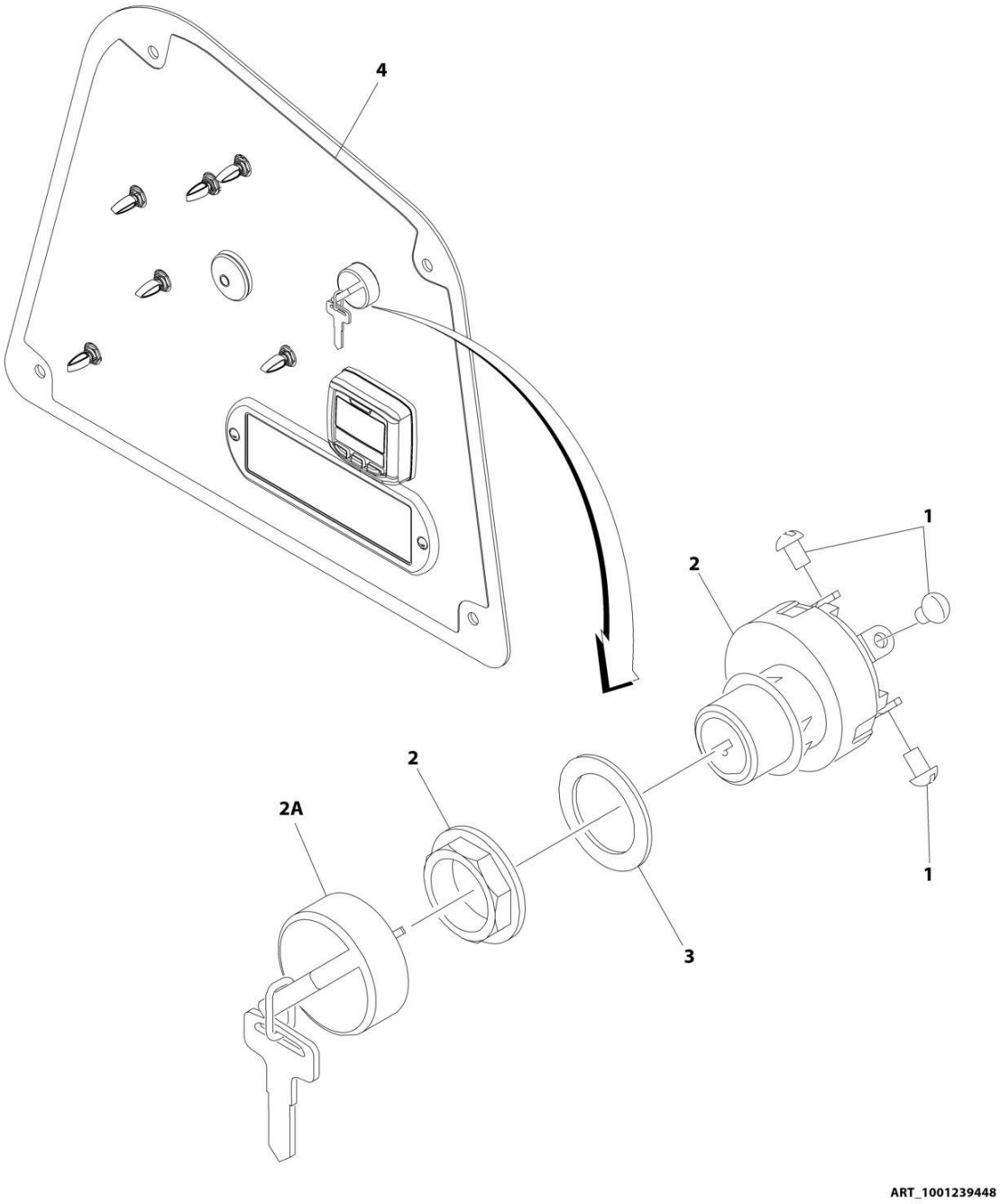


FIGURE 2-54. KEYSWITCH INSTALLATION (ANSI, ANSI EXPORT, CSA AND JAPANESE SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239448	Ref	KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2A	2860030	1 Set	Key, Replacement	
3	1001151393	1	Shim	
4	1001239450	1	Decal - Ground Control Panel	

FIGURE 2-55. KEYSWITCH INSTALLATION (CE & UK CA SPECS) (600S)

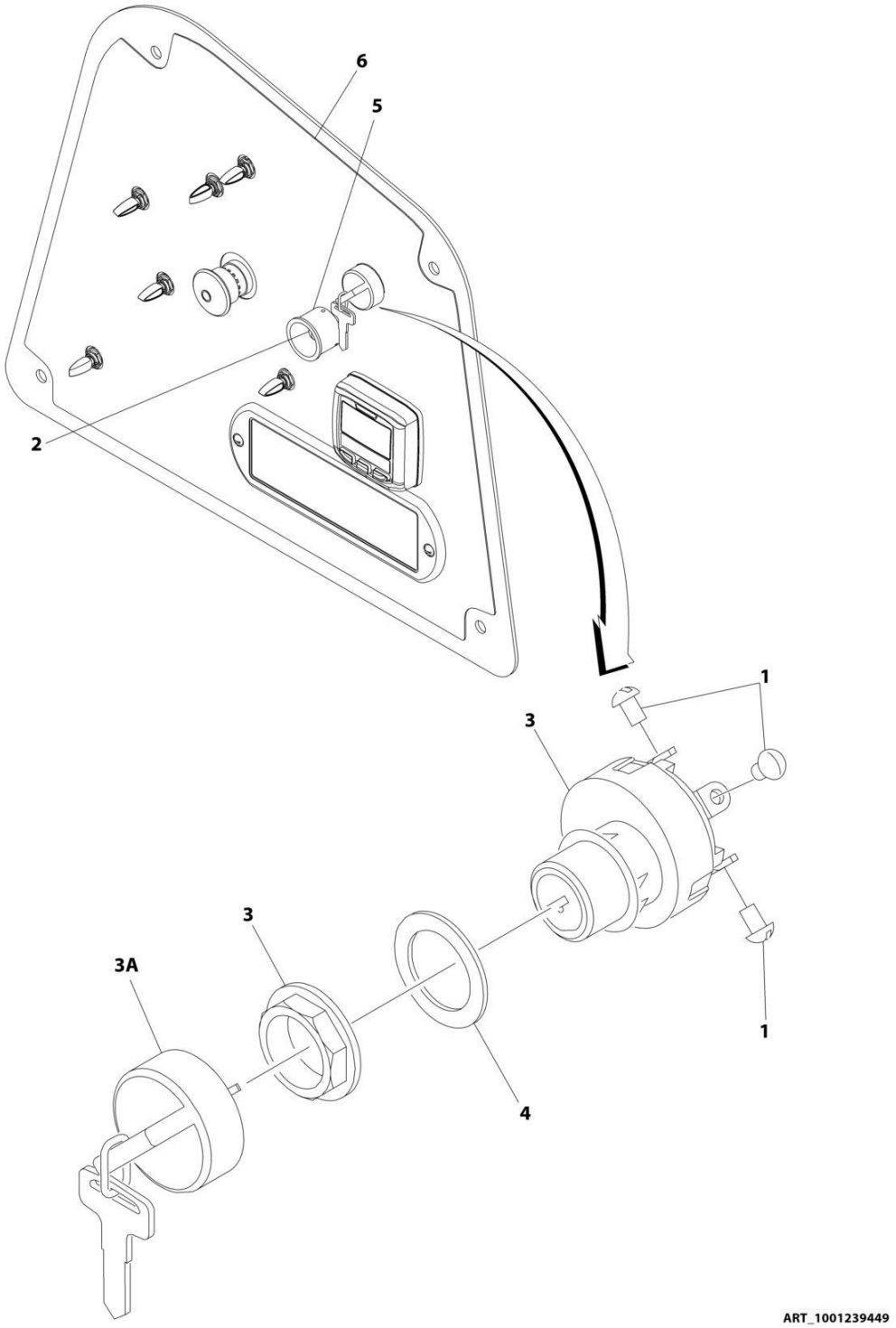


FIGURE 2-55. KEYSWITCH INSTALLATION (CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239449	Ref	KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8-32 x 1/4	
2	4360387	1	Switch, Push Button	
3	4360469	1	Switch, Key	
3A	2860030	1 Set	Key, Replacement	
4	1001151393	1	Shim	
5	1001176469	1	Shroud, Switch	
6	1001239451	1	Decal - Ground Control Panel	

FIGURE 2-56. KEYSWITCH INSTALLATION - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (CE & UK CA SPECS) (600S)

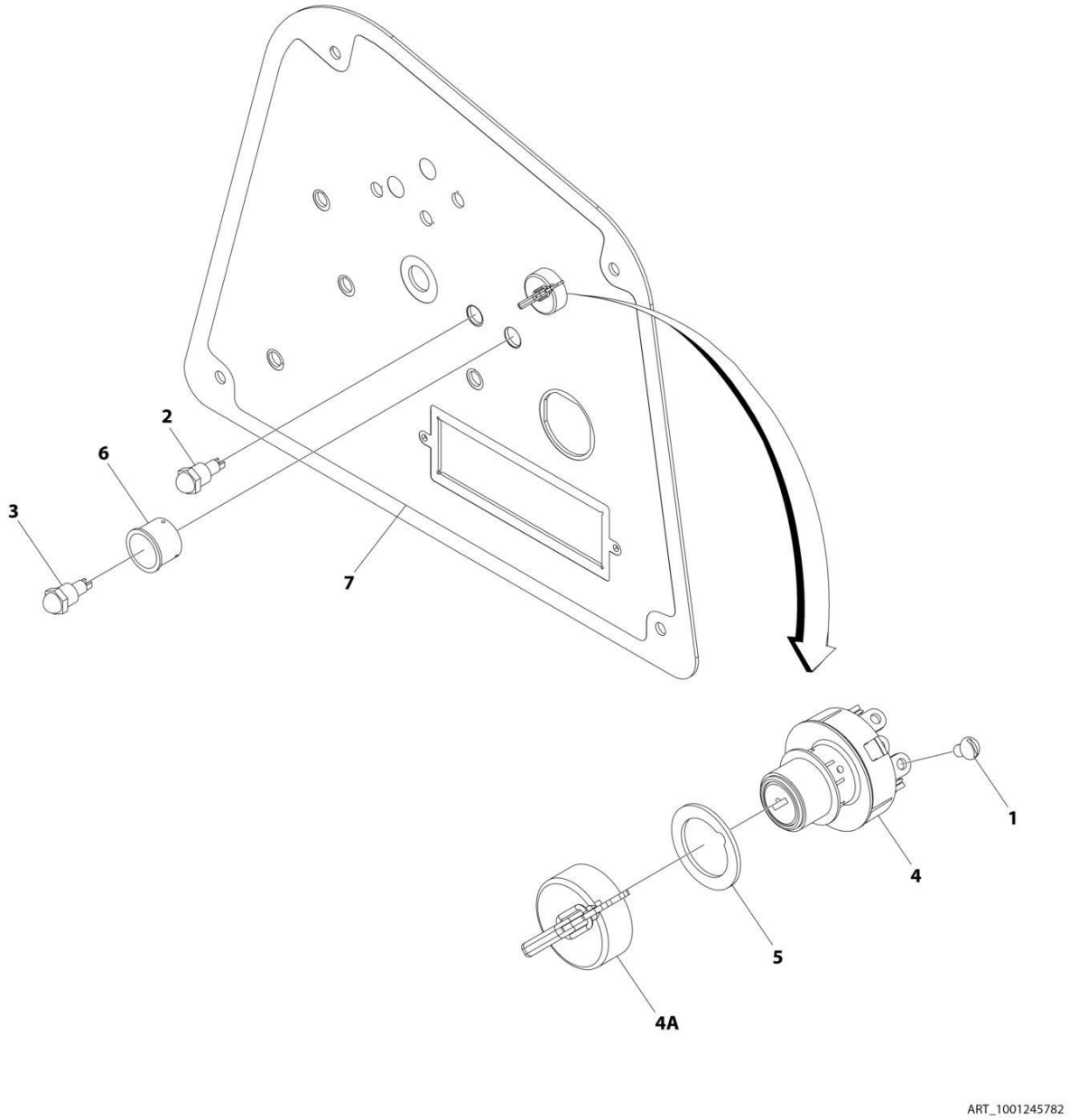


FIGURE 2-56. KEYSWITCH INSTALLATION - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245782	Ref	KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4A	2860030	Set	Key, Replacement	
5	1001151393	1	Shim	
6	1001176469	1	Shroud, Switch	
7	1001245769	1	Decal - Ground Control Panel	

FIGURE 2-57. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE & UK CA SPECS) (660SJ)

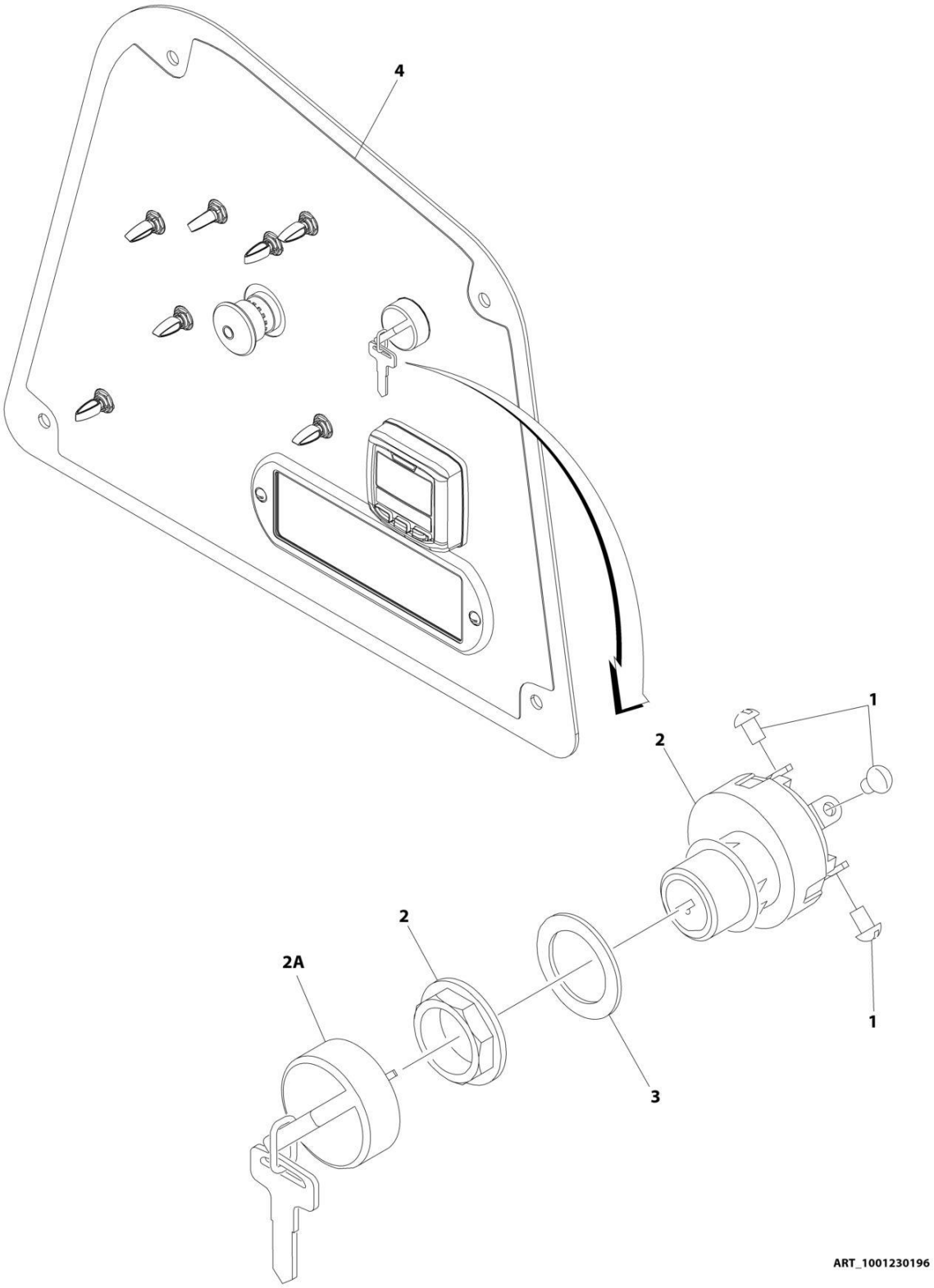


FIGURE 2-57. KEYSWITCH INSTALLATION (ALL SPECS EXCEPT CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250196	Ref	KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2A	2860030	1 Set	Key, Replacement	
3	1001151393	1	Shim	
4	1001250193	1	Decal - Ground Control Panel	

FIGURE 2-58. KEYSWITCH INSTALLATION (CE & UK CA SPECS) (660SJ)

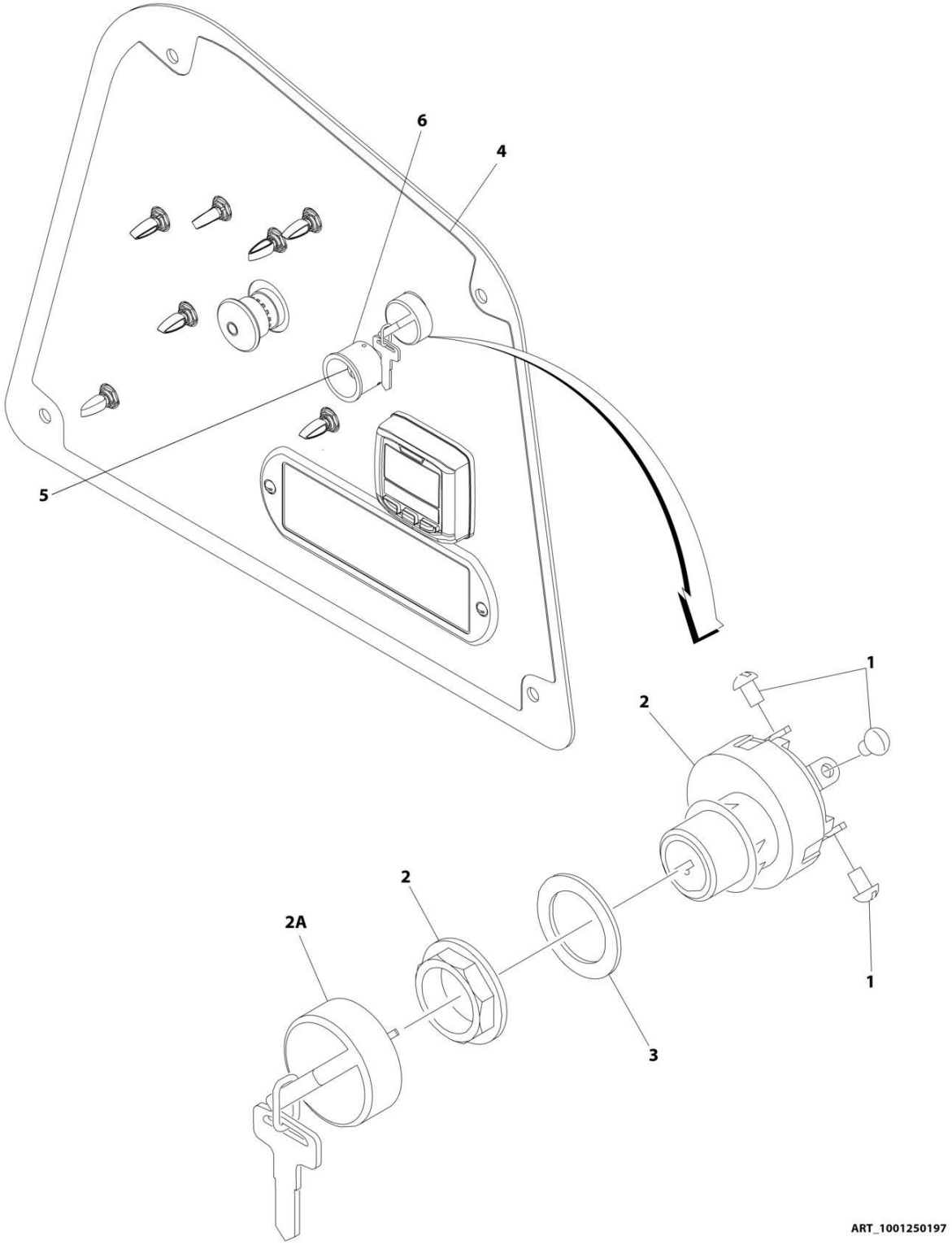


FIGURE 2-58. KEYSWITCH INSTALLATION (CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250197	Ref	KEYSWITCH INSTALLATION	A
1	3910804	6	Screw #8 x 1/4	
2	4360469	1	Switch, Key	
2A	2860030	1 Set	Key, Replacement	
3	1001151393	1	Shim	
4	1001250194	1	Decal - Ground Control Panel	
5	4360387	1	Switch, Push Button	
6	1001176469	1	Shroud, Switch	

FIGURE 2-59. KEYSWITCH INSTALLATION - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (CE & UK CA SPECS) (660SJ)

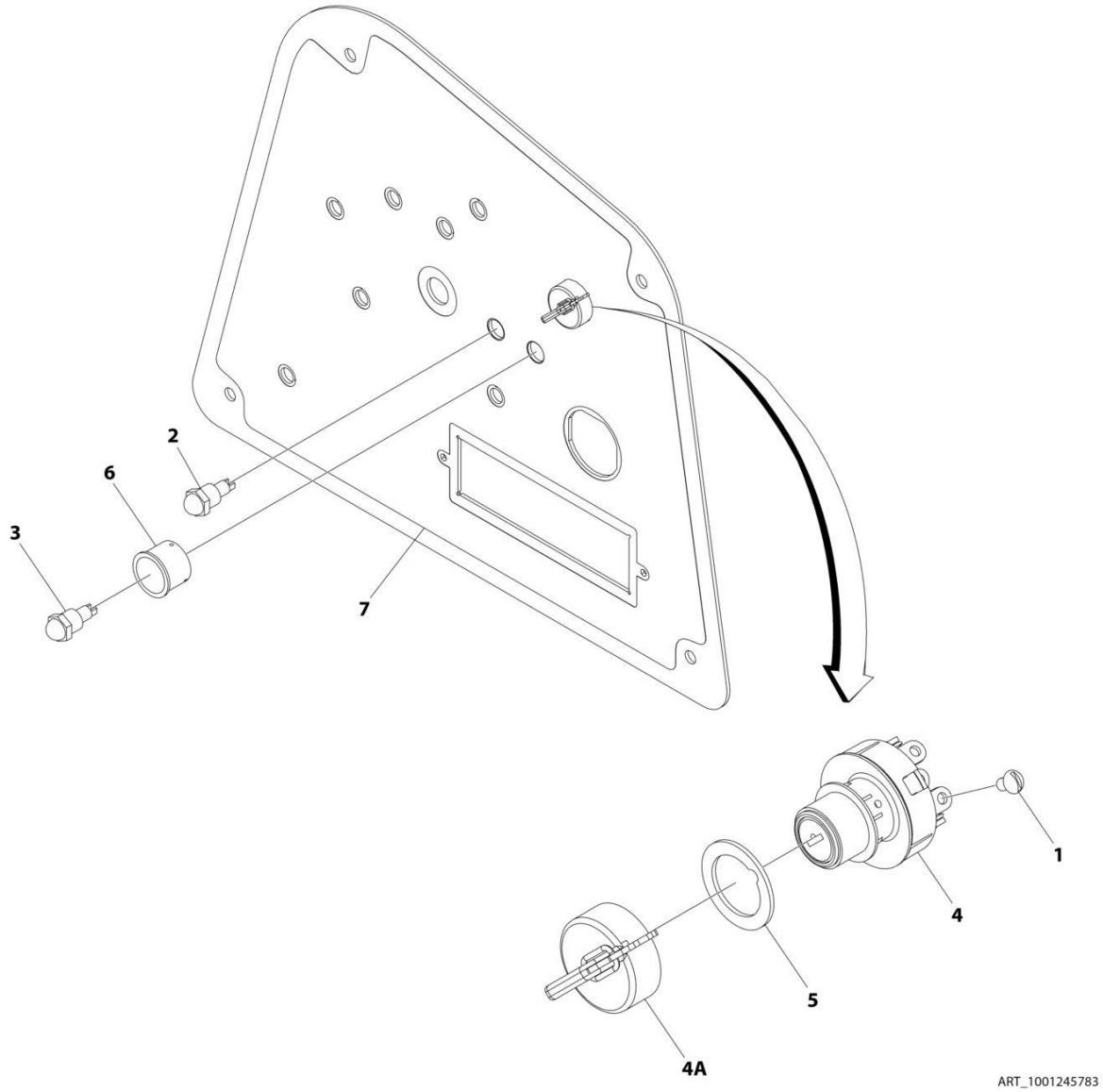


FIGURE 2-59. KEYSWITCH INSTALLATION - WITH DEUTZ TD2.2L3 (STAGE V) ENGINE (CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245783	Ref	KEYSWITCH INSTALLATION	B
1	3910804	6	Screw #8 x 1/4	
2	4360274	1	Switch, Push Button	
3	4360387	1	Switch, Push Button	
4	4360469	1	Switch, Key	
4A	2860030	1 Set	Key, Replacement	
5	1001151393	1	Shim	
6	1001176469	1	Shroud, Switch	
7	1001245770	1	Decal - Ground Control Panel	

FIGURE 2-60. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03)

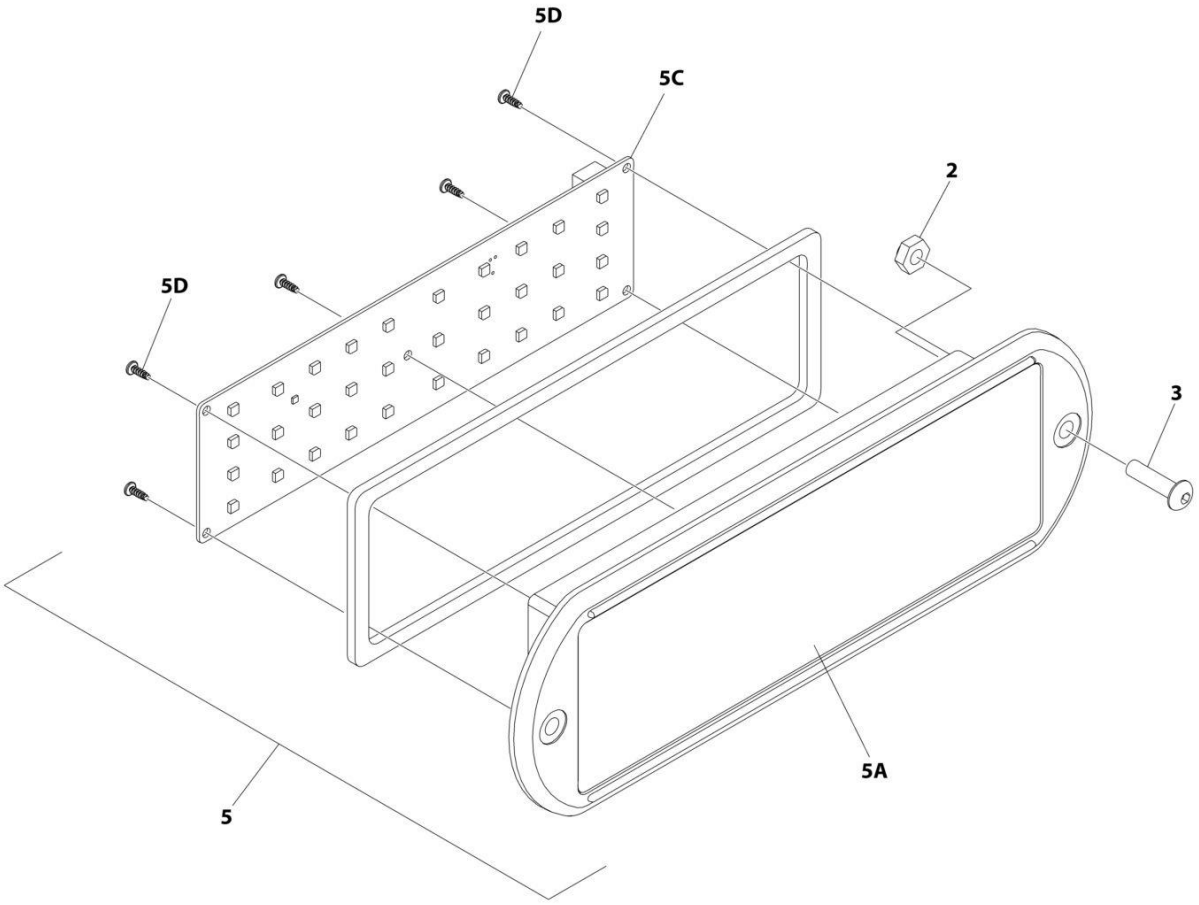


FIGURE 2-60. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION	C
2	3300408	2	Nut, Nylon Insert	
3	0630518	2	Screw #10 x 3/4	
5	1001237546	1	Light Panel Assembly	H
5A	1001236091	1	Lens, I-Con	
5C	1001187807	1	Panel, LED Light	
5D		Ref	Screw	

FIGURE 2-61. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH B3)

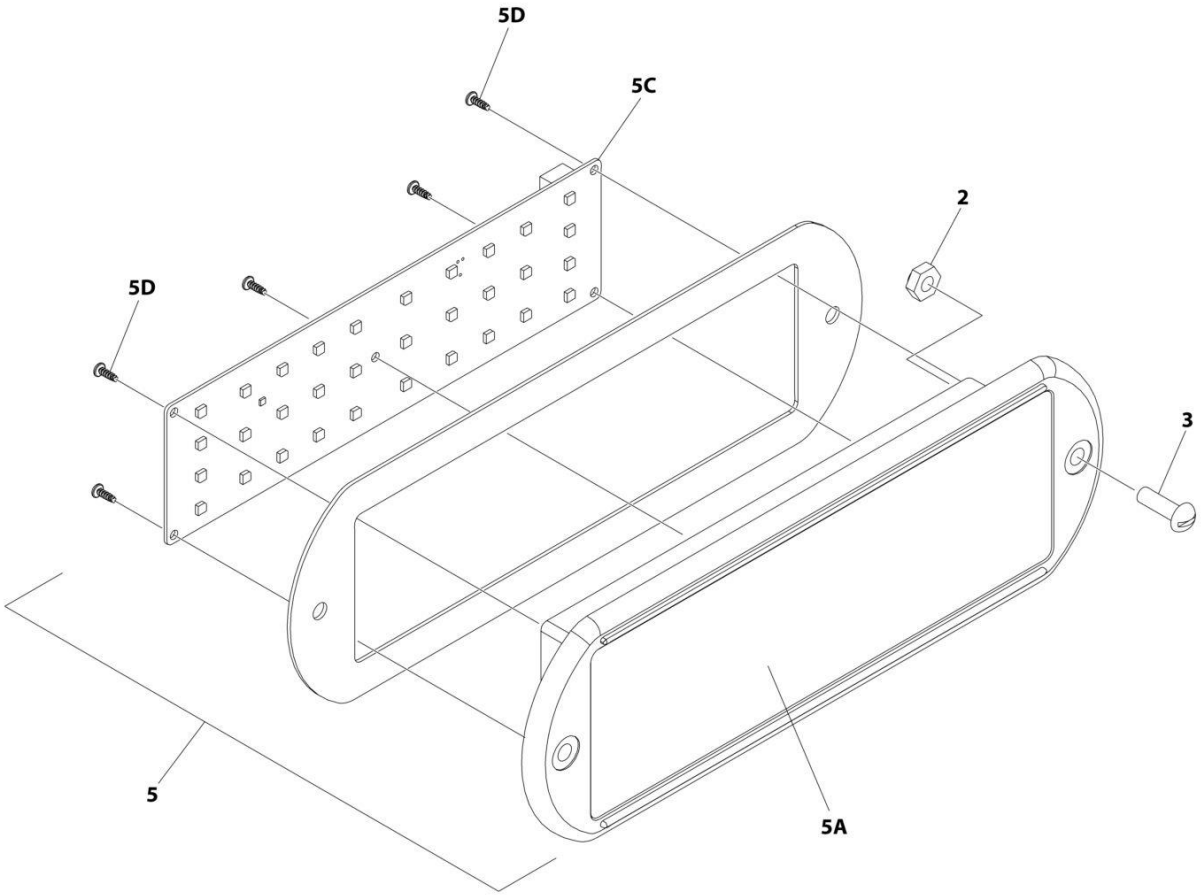


FIGURE 2-61. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLATION	B
2	3300408	2	Nut, Nylon Insert	
3	3911010	2	Screw #10 x 5/8	
5	1001238673	1	Light Panel Assembly	
5A	1001236091	1	Lens, I-Con	
5C	1001238732	1	Panel, LED Light	
5D		Ref	Screw	

FIGURE 2-62. NOISE REDUCTION PACKAGE (600S)

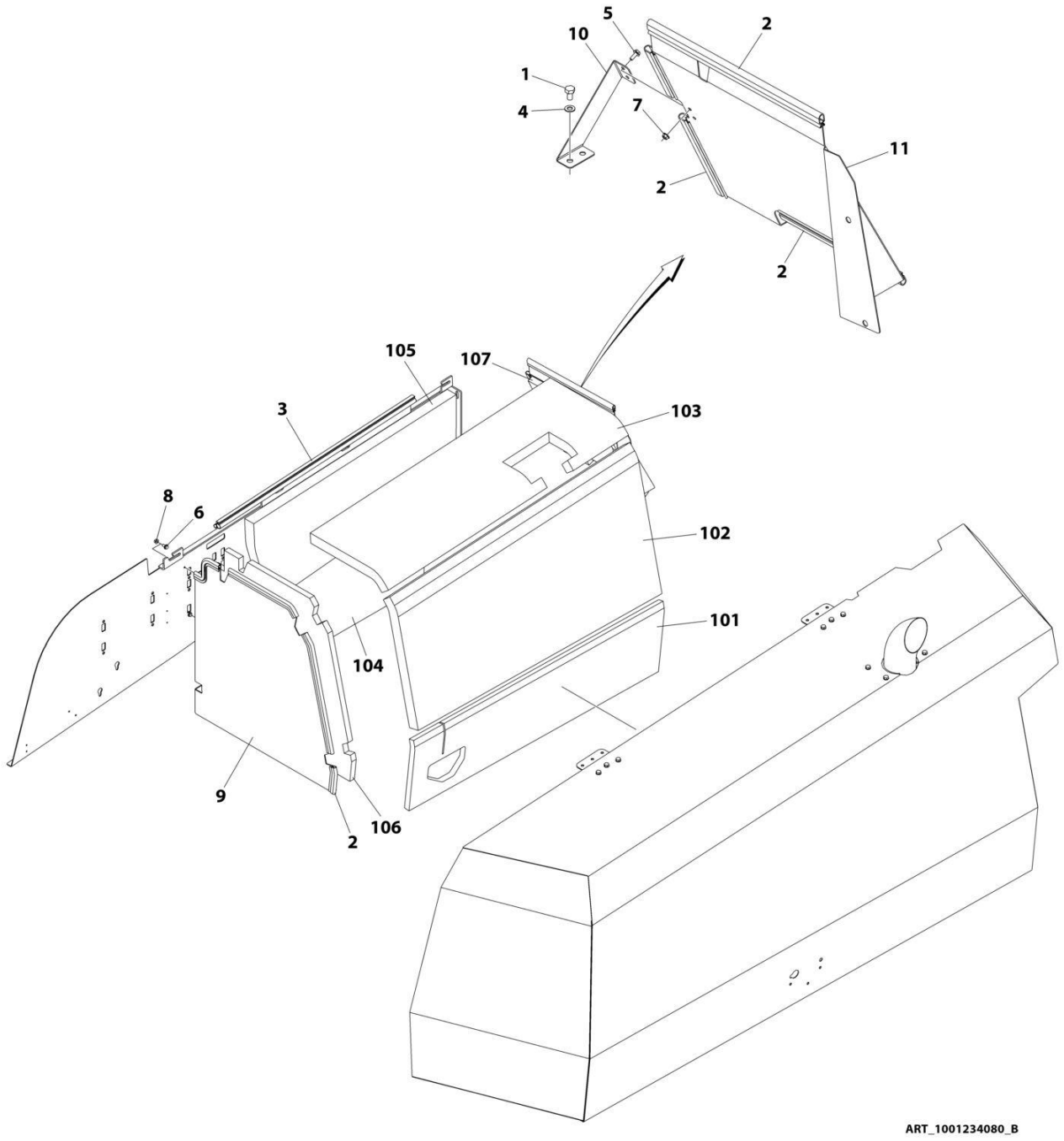


FIGURE 2-62. NOISE REDUCTION PACKAGE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001234080	Ref	SOUND REDUCTION PACKAGE	B
1	0761009	2	Bolt M10 x 18	
2	3960389	8.2 ft/ 2.49m	Seal	
3	3960464	3.6 ft/ 1.10m	Seal	
4	4812000	2	Washer M10	
5	5250608	2	Bolt M6 x 16	
6	5250808	2	Bolt M8 x 16	
7	5260600	2	Nut M6	
8	5260800	2	Nut M8	
9	1001241729	1	Plate	
10	1001233948	1	Bracket	
11	1001233949	1	Plate	
100	1001237550	1	Sound Foam Insulate Kit (Includes Items 101-107)	B
101	1001233953	1	Insulate	
102	1001233954	1	Insulate	
103	1001233955	1	Insulate	
104	1001233966	1	Insulate	
105	1001233967	1	Insulate	
106	1001234269	1	Insulate	
107	1001234270	1	Insulate	

FIGURE 2-63. NOISE REDUCTION PACKAGE (660SJ)

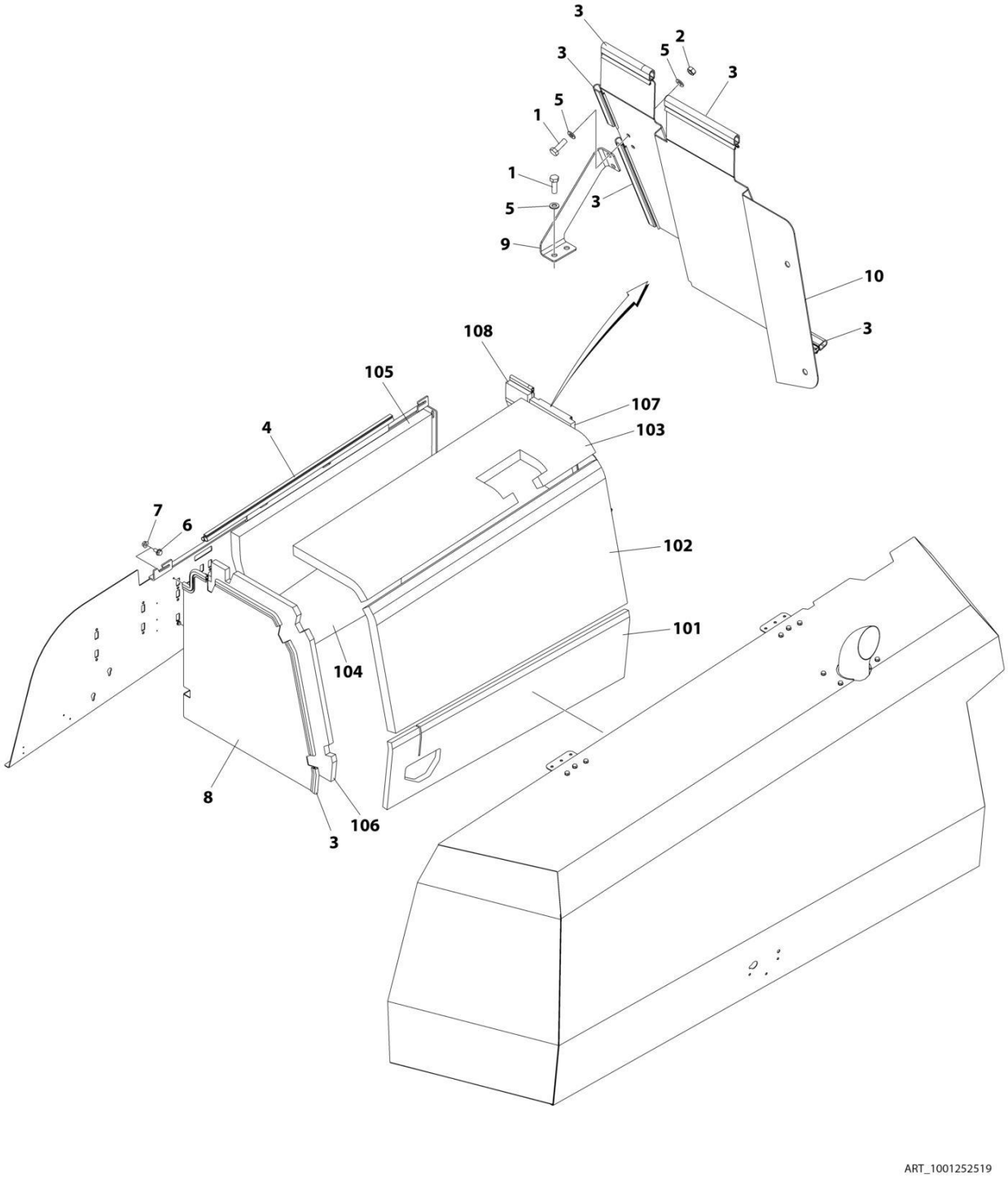


FIGURE 2-63. NOISE REDUCTION PACKAGE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252519	Ref	SOUND REDUCTION PACKAGE	A
1	0760812	4	Bolt M8 x 25	
2	3290801	2	Nut M8	
3	3960389	8 ft /2.44m	Seal	
4	3960464	3.6 ft /1.10m	Seal	
5	4811900	6	Washer M8	
6	5250808	2	Bolt M8 x 16	
7	5260800	2	Nut M8	
8	1001241729	1	Plate	
9	1001253115	1	Bracket	
10	1001253117	1	Plate	
100	1001255619	1	Sound Foam Insulate Kit (Includes Items 101-108)	A
101	1001233953	1	Insulate	
102	1001233954	1	Insulate	
103	1001233955	1	Insulate	
104	1001233966	1	Insulate	
105	1001233967	1	Insulate	
106	1001234269	1	Insulate	
107	1001253116	1	Insulate	
108	1001253459	1	Insulate	

FIGURE 2-64. TURNTABLE COVERS INSTALLATION

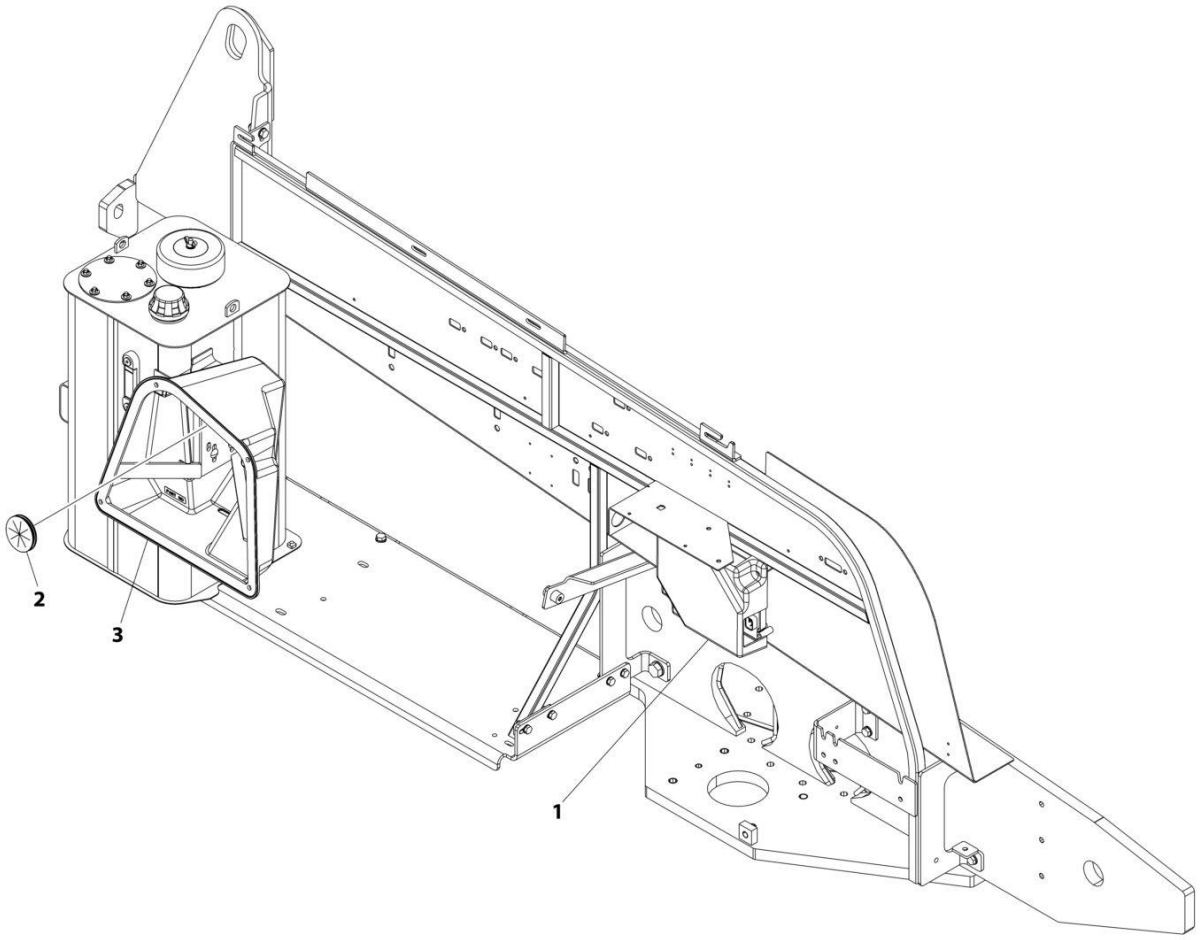


FIGURE 2-64. TURNTABLE COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219128	Ref	COVERS INSTALLATION	A
1	1001218539	1	Cover, Controller	
2	1001218676	1	Grommet	
3	1001220638	1	Cover, Ground Control	

FIGURE 2-65. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)

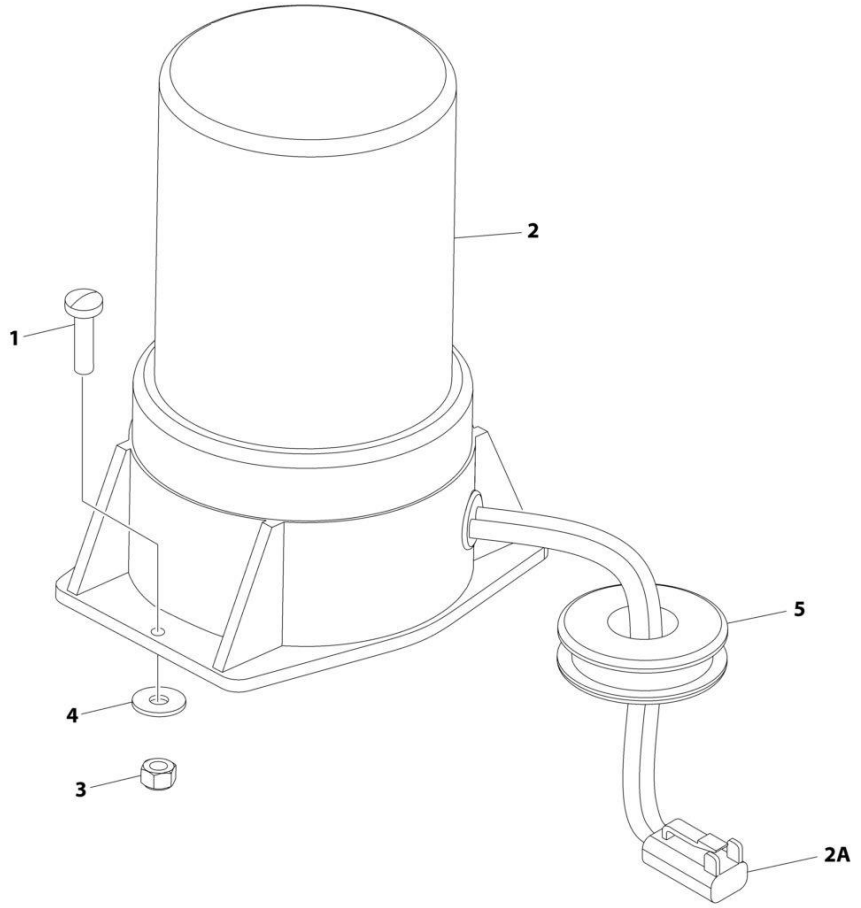


FIGURE 2-65. STROBE LIGHT INSTALLATION - AMBER (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191557	Ref	STROBE LIGHT INSTALLATION	D
1	4010510	2	Screw M5 x 20	
2	2920161	1	Light Strobe (Amber)	
2	7016319	1	Bulb	
2	7016372	1	Lens	
2A	4460891	1	Plug, Male - 2 Position	
2A	4460465	2	Socket, Female	
3	3290505	2	Nut M5	
4	4811600	2	Washer M5	
5	2540020	1	Grommet	
7	4240099	1	Tie-Strap (Not Shown)	

FIGURE 2-66. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)

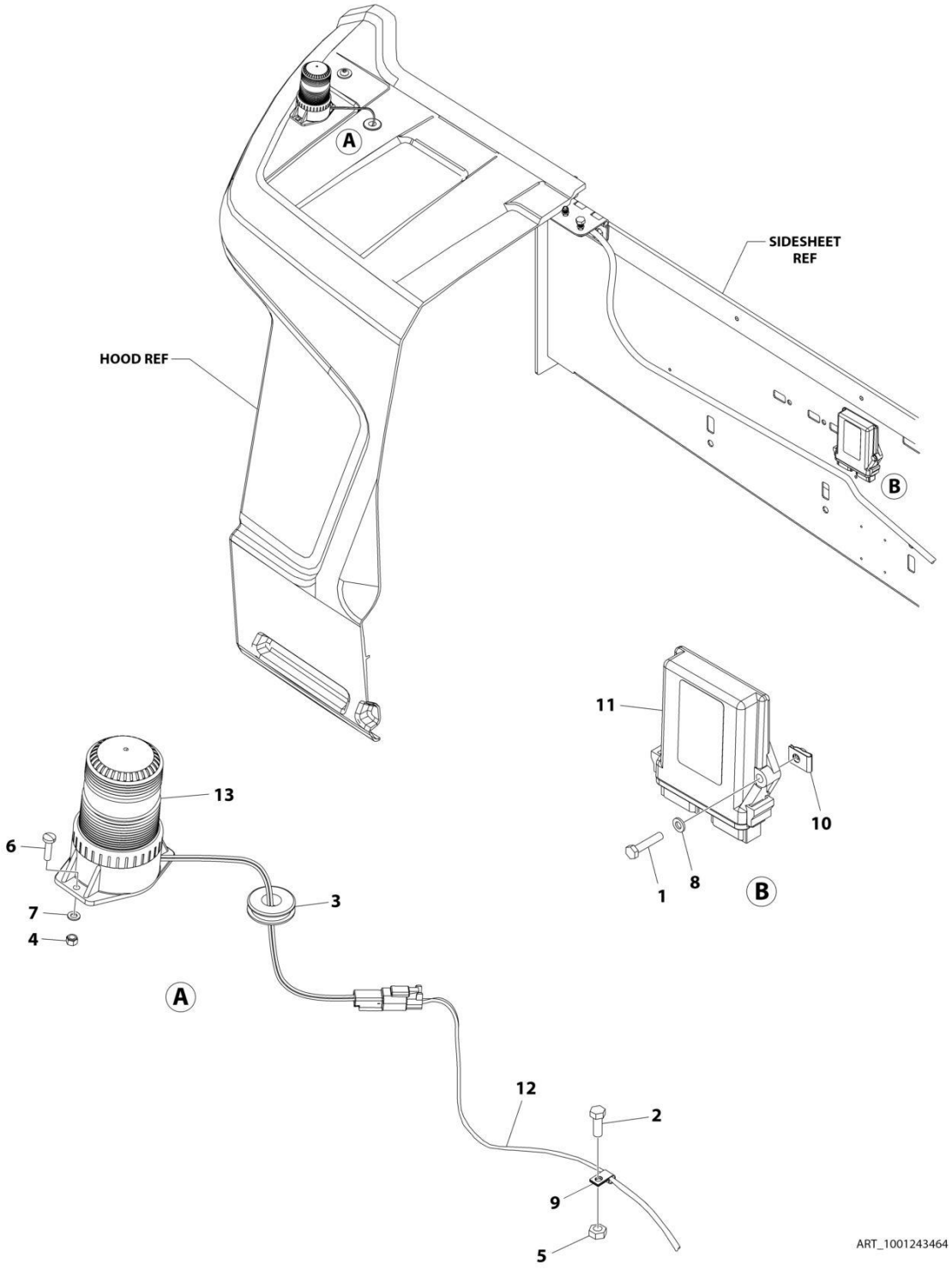


FIGURE 2-66. STROBE LIGHT INSTALLATION - BLUE (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243464	Ref	STROBE LIGHT INSTALLATION	A
1	0760614	2	Bolt M6 x 30	
2	0761016	1	Bolt M10 x 40	
3	2540020	1	Grommet	
4	3290505	2	Nut M5	
5	3291005	1	Nut M10	
6	4010510	2	Screw M5 x 20	
7	4811600	2	Washer M5	
8	4811700	2	Washer M6	
9	8406110	1	Clip	
10	1001130220	2	Nut, Tinnerman M6	
11	1001142683	1	Module, Beacon Control	
12	1001142736	1	Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL SECTION)	
13	1001200910	1	Light, Strobe (Blue)	
13	4460897	2	Receptacle, Female - 2 Position	
13	4460464	4	Pin, Male	

FIGURE 2-67. STROBE LIGHT INSTALLATION - RED (OPTIONAL)

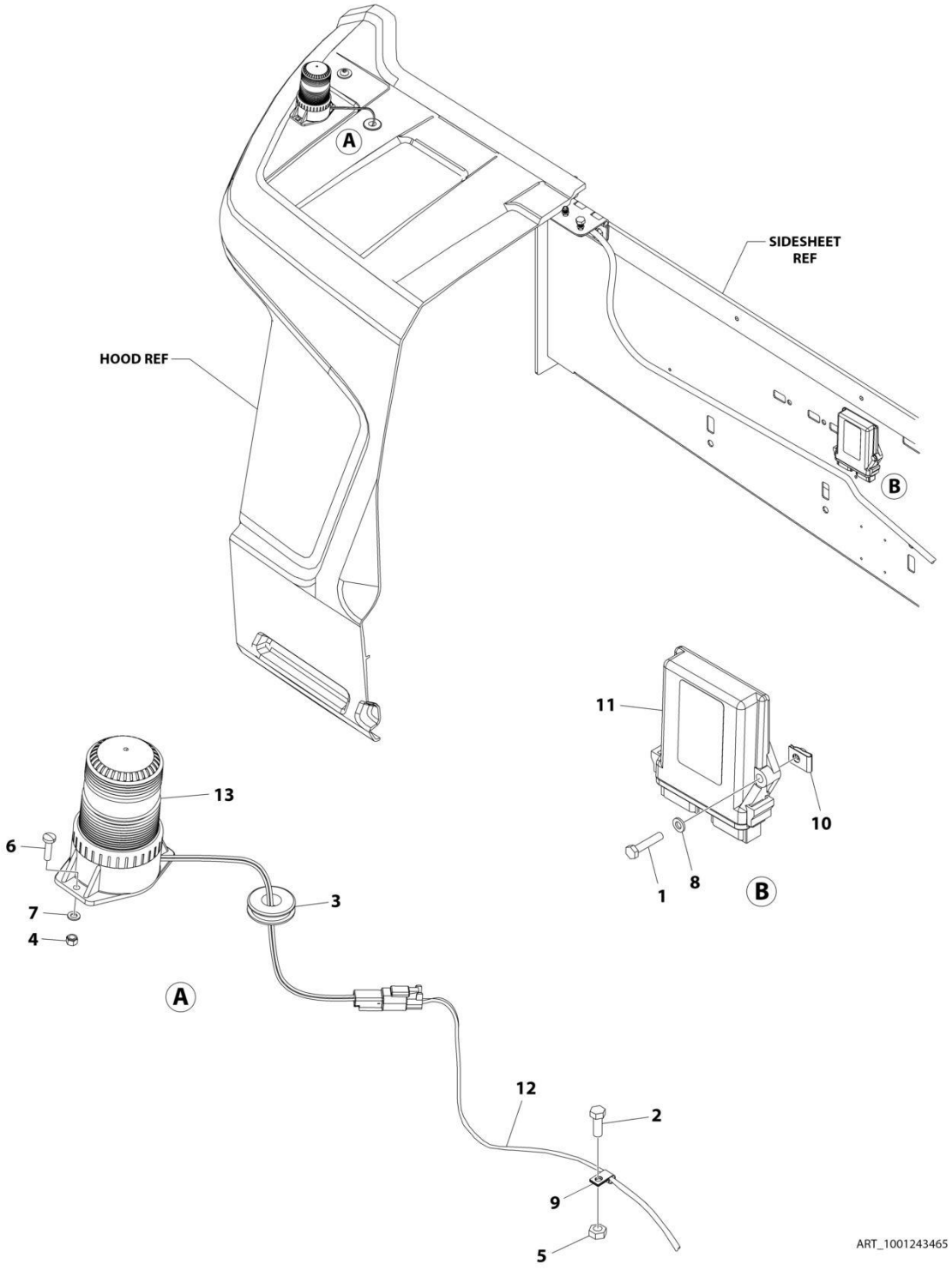


FIGURE 2-67. STROBE LIGHT INSTALLATION - RED (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243465	Ref	STROBE LIGHT INSTALLATION	A
1	0760614	2	Bolt M6 x 30	
2	0761016	1	Bolt M10 x 40	
3	2540020	1	Grommet	
4	3290505	2	Nut M5	
5	3291005	1	Nut M10	
6	4010510	2	Screw M5 x 20	
7	4811600	2	Washer M5	
8	4811700	2	Washer M6	
9	8406110	1	Clip	
10	1001130220	2	Nut, Tinnerman M6	
11	1001142683	1	Module, Beacon Control	
12	1001142736	1	Strobe Light Control Harness (See Separate Breakdown in ELECTRICAL SECTION)	
13	1001207004	1	Light, Strobe (Red)	
13	4460897	2	Receptacle, Female - 2 Position	
13	4460464	4	Pin, Male	

FIGURE 2-68. WHITE NOISE ALARM (AMBIENT) INSTALLATION

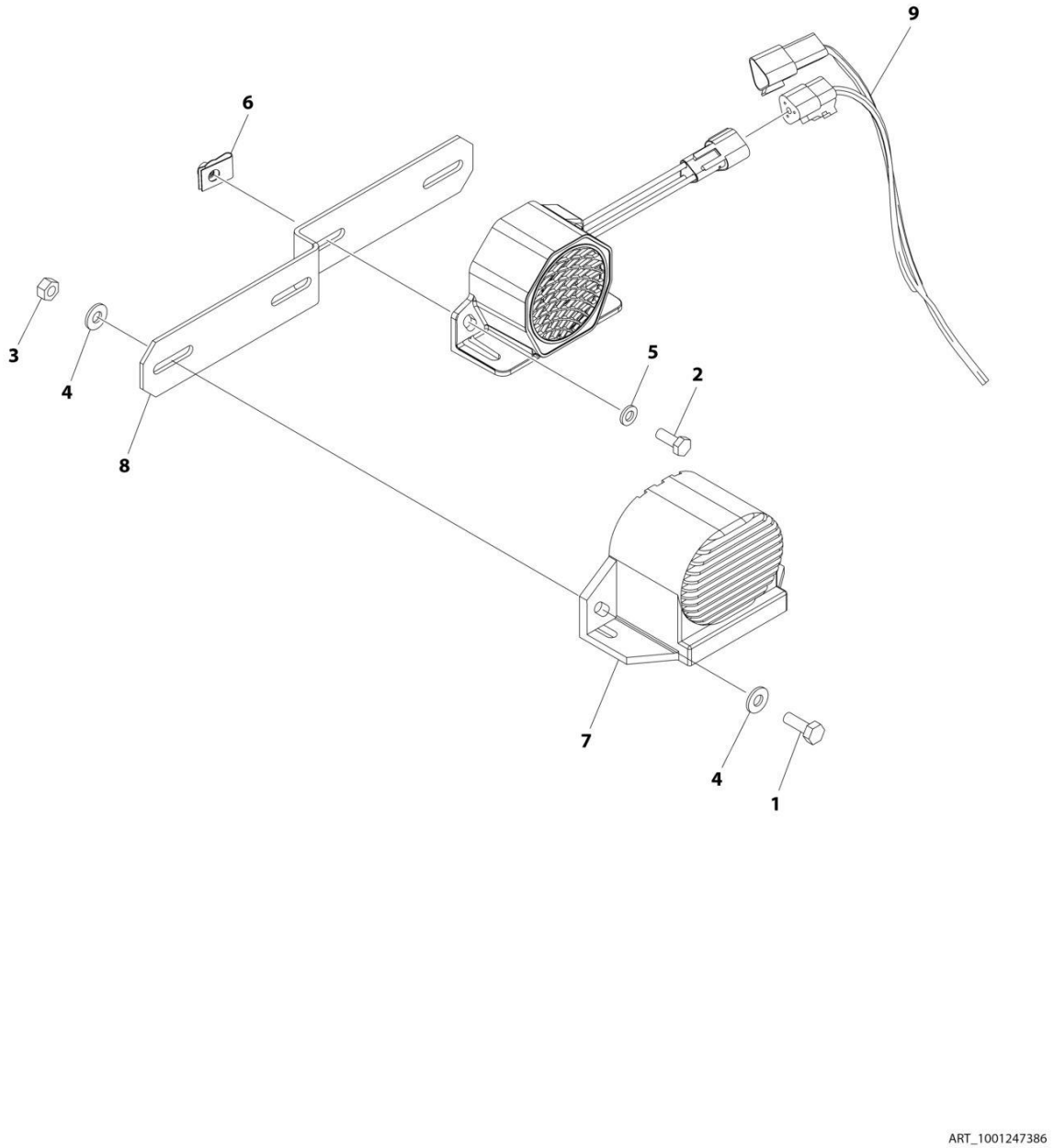


FIGURE 2-68. WHITE NOISE ALARM (AMBIENT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247386	Ref	WHITE NOISE ALARM INSTALLATION	A
1	0641406	2	Bolt 1/4 x 3/4	
2	0760608	2	Bolt M6 x 16	
3	3311405	2	Nut 1/4	
4	4711400	4	Washer 1/4	
5	4811700	2	Washer M6	
6	1001130220	2	Nut, Tinnerman M6	
7	1001182806	1	Alarm	
8	1001231711	1	Bracket	
9	1001243682	1	White Noise Alarm Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 2-69. WHITE NOISE ALARM (CONSTANT) INSTALLATION

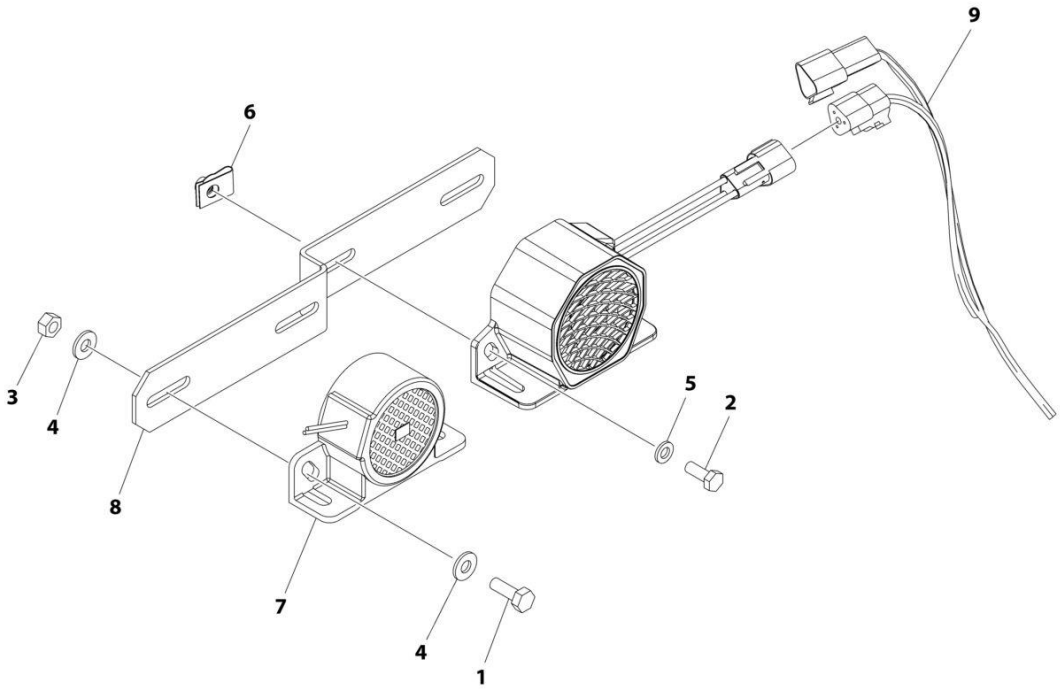


FIGURE 2-69. WHITE NOISE ALARM (CONSTANT) INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263173	Ref	WHITE NOISE ALARM (CONSTANT) INSTALLATION	A
1	0641406	2	Bolt 1/4 x 3/4	
2	0760608	2	Bolt M6 x 16	
3	3311405	2	Nut 1/4	
4	4711400	4	Washer 1/4	
5	4811700	2	Washer M6	
6	1001130220	2	Nut, Tinnerman M6	
7	1001184682	1	Alarm	
8	1001231711	1	Bracket	
9	1001243682	1	White Noise Alarm Harness (See Separate Breakdown in ELECTRICAL SECTION)	

SECTION 3 - ENGINE

SECTION 3 - ENGINE

FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION - DANFOSS PISTON PUMP (WITHOUT ARCTIC PACKAGE)

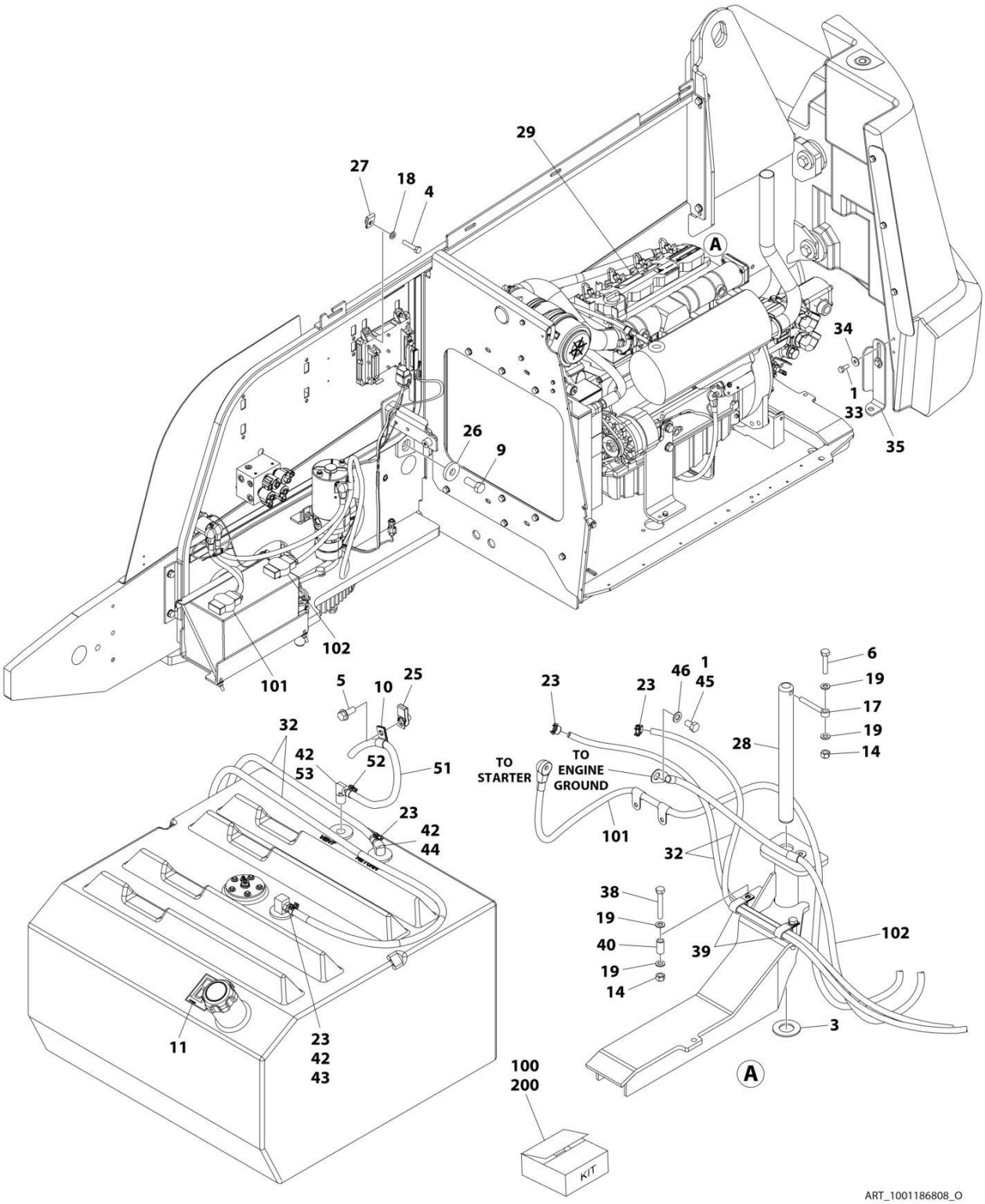


FIGURE 3-1. DEUTZ D2011 ENGINE INSTALLATION - DANFOSS PISTON PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186808	Ref	DEUTZ D2011 ENGINE INSTALLATION	O
1	0100011	AR	Compound, Locking	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	5251012	1	Bolt M10 x 25	
6	0711018	1	Bolt M10 x 50	
9	0772018	1	Bolt M20 x 50	
10	1320061	1	Clamp	
11	1701505	1	Decal - Diesel Fuel	
14	3291005	3	Nut M10	
17	3841143	1	Keeper, Pin	
18	4811700	4	Washer M6	
19	4812000	6	Washer M10	
23	1001174486	4	Clamp	
25	1001118972	1	Nut, Tinnerman M10	
26	1001119051	1	Washer	
27	1001130220	4	Nut, Tinnerman M6	
28	1001155094	1	Pin	
29	1001186815	1	Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
32	2720058	288 in/ 7.3m	Hose, Fuel	
33	0701012	2	Bolt M10 x 70	
34	4812002	2	Washer M10	
35	1001196398	1	Bracket	
38	0701022	2	Bolt M10 x 70	
39	1001026127	2	Clamp	
40	1001200731	2	Tube	
41	4240099	5	Tie-Strap (Not Shown)	
42	0100020	AR	Sealant	
43	2180348	1	Fitting, Straight NPT x Barb	
44	2221176	1	Fitting, 90 Barbed	
45	0761210	1	Bolt M12 x 20	
46	4812100	1	Washer M12	
51	1001165035	20 in/ 0.5m	Hose	
52	1001136975	1	Clamp	
53	2220313	1	Fitting, 90 NPTF/Barb	
100	1001235699	1	Battery Cable Kit	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS PISTON PUMP (WITHOUT ARCTIC PACKAGE)

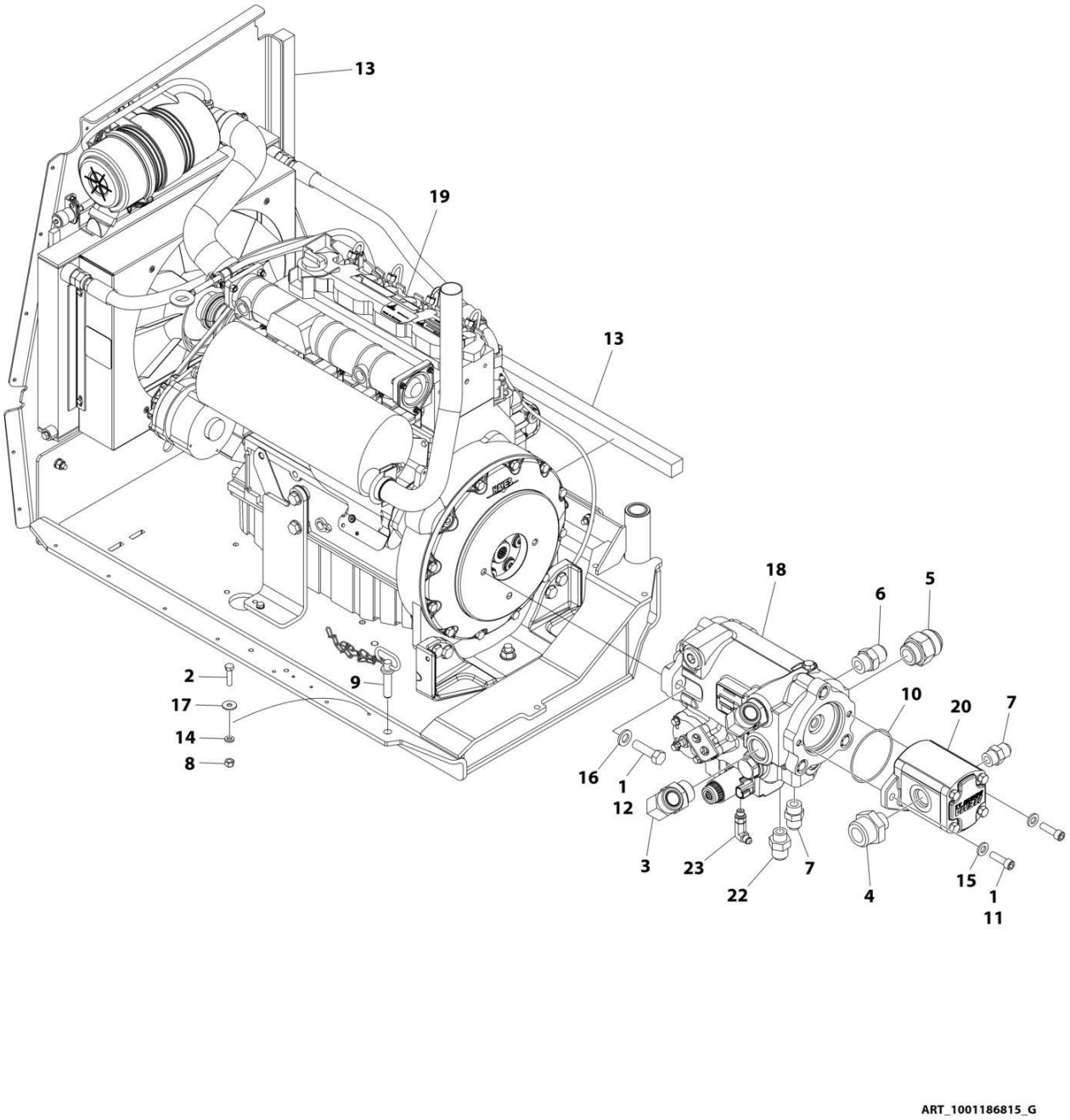


FIGURE 3-2. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS PISTON PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186815	Ref	DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	2131616	2	Fitting, 90 ORFS/ORB	
4	2220946	1	Fitting, Straight JIC/ORB	
5	2220479	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220947	2	Fitting, Straight JIC/ORB	
8	3290605	1	Nut M6	
9	3422532	1	Pin	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
11	3931618	2	Capscrew 3/8 x 1-1/8	
12	0641814	2	Bolt 1/2 x 1-3/4	
13	3960469	2	Seal	
14	4811700	1	Washer M6	
15	5241000	2	Washer M10	
16	5241200	2	Washer M12	
17	4811702	1	Washer M6	
18	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
19	1001186816	1	Deutz D2011 Engine Assembly (See Separate Breakdown in this Section)	
20	1001190143	1	Gear Pump Assembly	
20	70006356	1	Seal Kit - 1001190143 Pump	
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220940	1	Fitting, 90 JIC/ORB	

FIGURE 3-3. DEUTZ D2011 ENGINE INSTALLATION - HENGLI PISTON PUMP (WITHOUT ARCTIC PACKAGE)

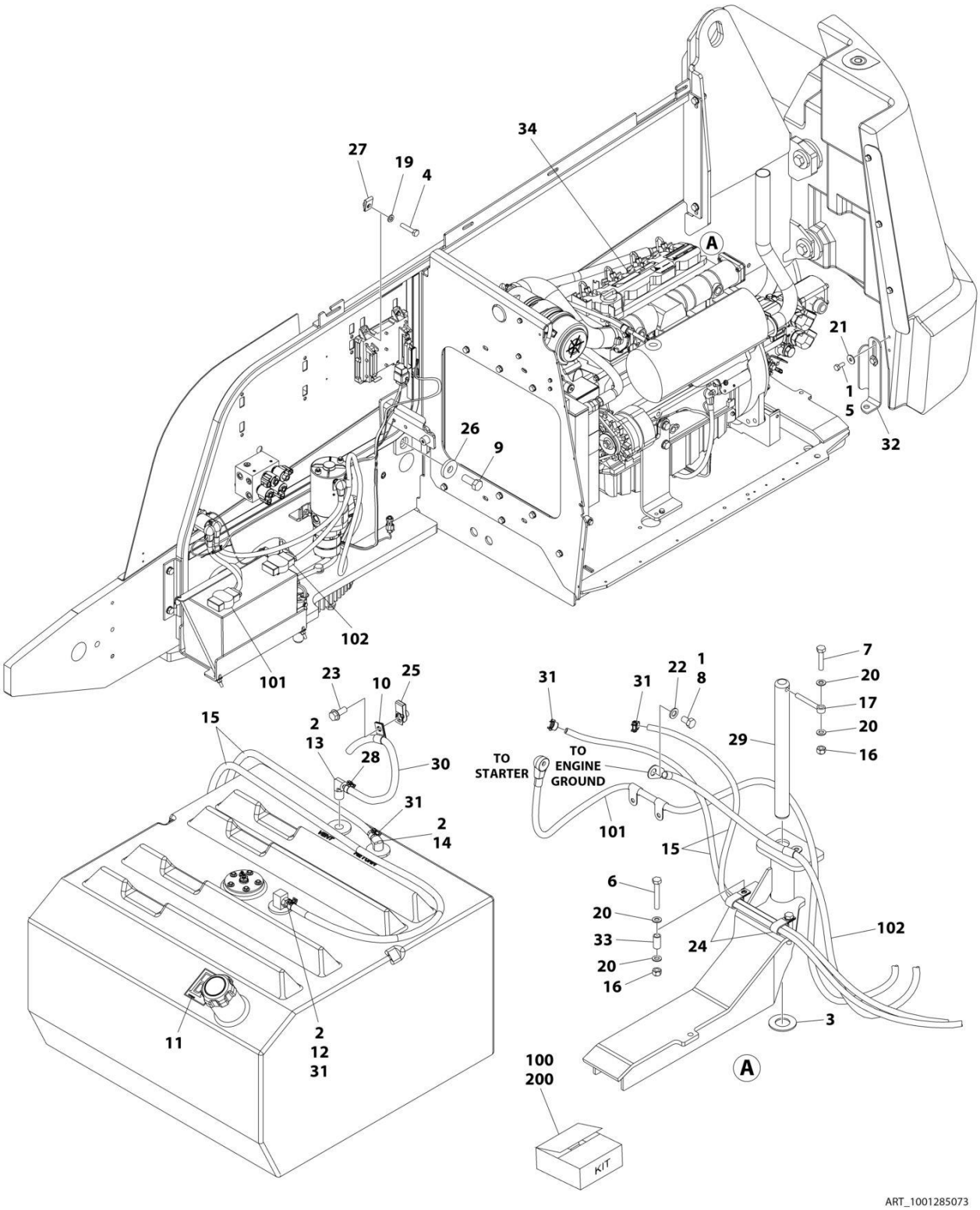


FIGURE 3-3. DEUTZ D2011 ENGINE INSTALLATION - HENGLI PISTON PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285073	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	0701012	2	Bolt M10 x 70	
6	0701022	2	Bolt M10 x 70	
7	0711018	1	Bolt M10 x 50	
8	0761210	1	Bolt M12 x 20	
9	0772018	1	Bolt M20 x 50	
10	1320061	1	Clamp	
11	1701505	1	Decal - Diesel Fuel	
12	2180348	1	Fitting, Straight NPT x Barb	
13	2220313	1	Fitting, 90 NPTF/Barb	
14	2221176	1	Fitting, 90 Barbed	
15	2720058	288 in/ 7.3m	Hose, Fuel	
16	3291005	3	Nut M10	
17	3841143	1	Keeper, Pin	
18	4240099	AR	Tie-Strap (Not Shown)	
19	4811700	4	Washer M6	
20	4812000	6	Washer M10	
21	4812002	2	Washer M10	
22	4812100	1	Washer M12	
23	5251012	1	Bolt M10 x 25	
24	1001026127	2	Clamp	
25	1001118972	1	Nut, Tinnerman M10	
26	1001119051	1	Washer	
27	1001130220	4	Nut, Tinnerman M6	
28	1001136975	1	Clamp	
29	1001155094	1	Pin	
30	1001165035	20 in/ 0.5m	Hose	
31	1001174486	4	Clamp	
32	1001196398	1	Bracket	
33	1001200731	2	Tube	
34	1001285072	1	Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
100	1001235699	1	Battery Cable Kit	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - HENGLI PISTON PUMP (WITHOUT ARCTIC PACKAGE)

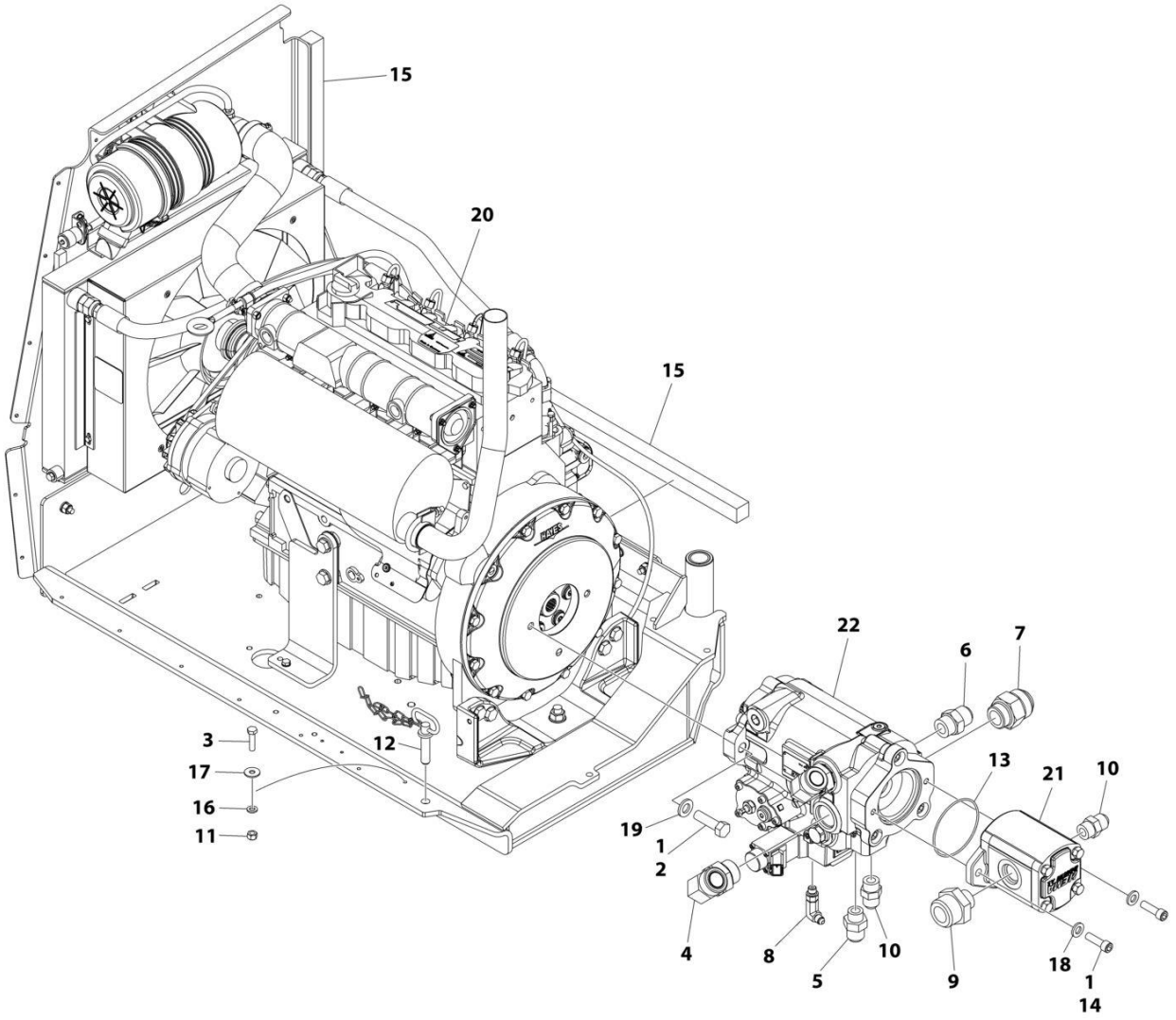
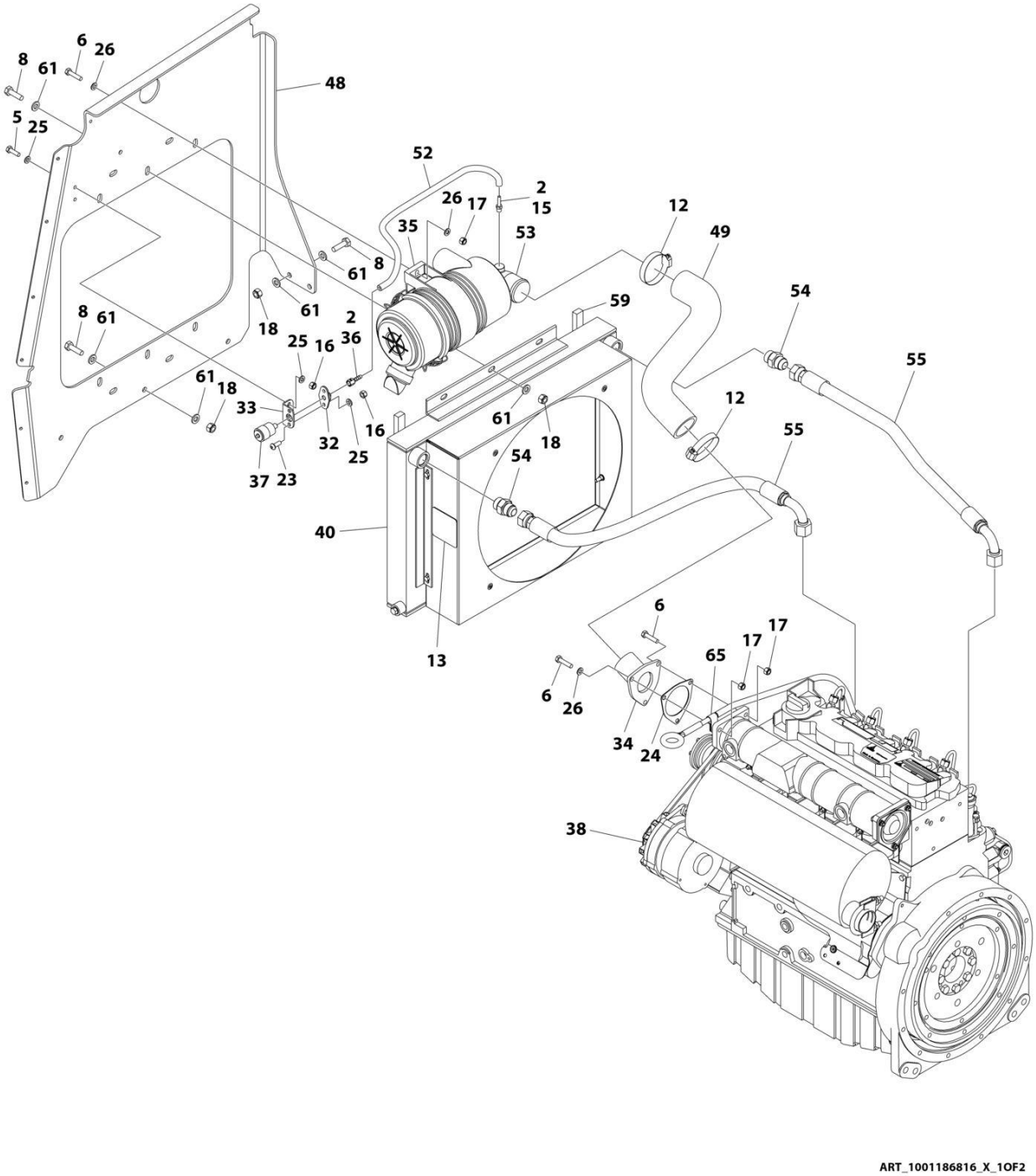


FIGURE 3-4. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - HENGLI PISTON PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285072	Ref	DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760612	1	Bolt M6 x 25	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
11	3290605	1	Nut M6	
12	3422532	1	Pin	
13	70007827	1	O-Ring (Part of Item 22)	
14	3931618	2	Capscrew 3/8 x 1-1/8	
15	3960469	2	Seal	
16	4811700	1	Washer M6	
17	4811702	1	Washer M6	
18	5241000	2	Washer M10	
19	5241200	2	Washer M12	
20	1001186816	1	Deutz D2011 Engine Assembly (See Separate Breakdown in this Section)	
21	1001190143	1	Gear Pump Assembly	
21	70006356	1	Seal Kit - 1001190143 Pump	
22	1001284471	1	Piston Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE



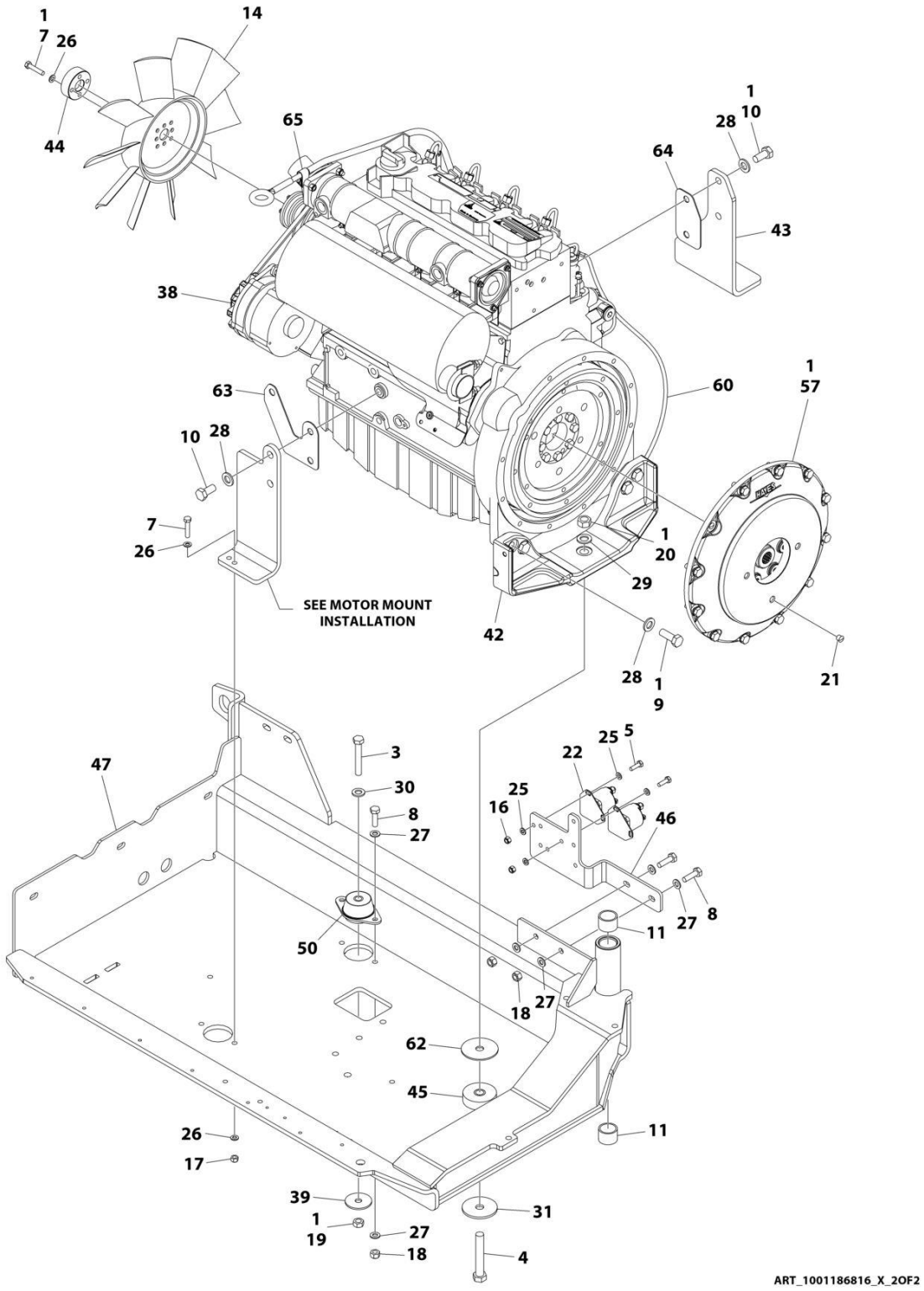

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ART_1001186816_X_2OF2

FIGURE 3-5. DEUTZ D2011 ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186816	Ref	DEUTZ D2011 ENGINE ASSEMBLY	X
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0711224	1	Bolt M12 x 80	
4	0711627	1	Bolt M16 x 100	
5	0760610	6	Bolt M6 x 20	
6	0760815	5	Bolt M8 x 35	
7	0760816	5	Bolt M8 x 40	
8	0761015	15	Bolt M10 x 35	
9	0771416	4	Bolt M14 x 40	
10	0771414	4	Bolt M14 x 30	
11	0961951	2	Bushing	
12	8405202	2	Clamp	
13	1703162	2	Decal - Fan Blade	
14	2060025	1	Fan	
15	2220315	1	Fitting, Straight Barbed	
16	3290605	8	Nut M6	
17	3290805	6	Nut M8	
18	3291005	15	Nut M10	
19	3331211	1	Nut M12	
20	3331611	1	Nut M16	
21	3520054	2	Plug	
22	3740067	2	Relay	
23	3900357	2	Screw M6 x 16	
24	3960407	1	Gasket, Air Intake Adapter	
25	4811700	14	Washer M6	
26	4811900	11	Washer M8	
27	4812000	8	Washer M10	
28	5241400	8	Washer M14	
29	4812300	1	Washer M16	
30	5241200	1	Washer M12	
31	7300435	1	Washer	
32	1001138173	1	Support	
33	1001138175	1	Bracket	
34	1001139819	1	Adapter	
35	1001141694	1	Clamp, Air Cleaner	
36	1001141995	1	Fitting, Straight NPT/Barbed	
37	1001143390	1	Indicator, Air Filter Service	
38	1001146368	1	Deutz D2011 Engine (See Separate Breakdown in this Section)	
39	1001168018	1	Washer	
40	1001187082	1	Radiator	
41	1001188236	1	Engine Harness - Deutz D2011 Engines (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
42	1001188535	1	Bracket, Engine - Rear	
43	1001189026	1	Bracket, Engine - Right	
44	1001189161	1	Adapter, Fan	
45	1001190164	1	Mount, Motor	
46	1001203885	1	Plate	
47	1001200435	1	Tray	
48	1001236499	1	Support, Radiator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	1001191271	1	Hose	
50	1001191610	1	Mount, Motor	
52	1001138248	21.7 in/ 0.6m	Tube	
53	1001165388	1	Filter, Air	
53	70003783	1	Element, Filter	
54	2220451	2	Fitting, Straight ORB/JIC	
55	2720398	2	Hose	
57	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
59	1001168166	2	Seal	
60	1001234396	1	Glow Plug Harness	
61	5241000	22	Washer M10	
62	1001197725	1	Spacer	
63	1001201843	1	Shim .079	
64	1001201844	1	Shim .079	
65	1320070	1	Clamp	

FIGURE 3-6. DEUTZ D2011 ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

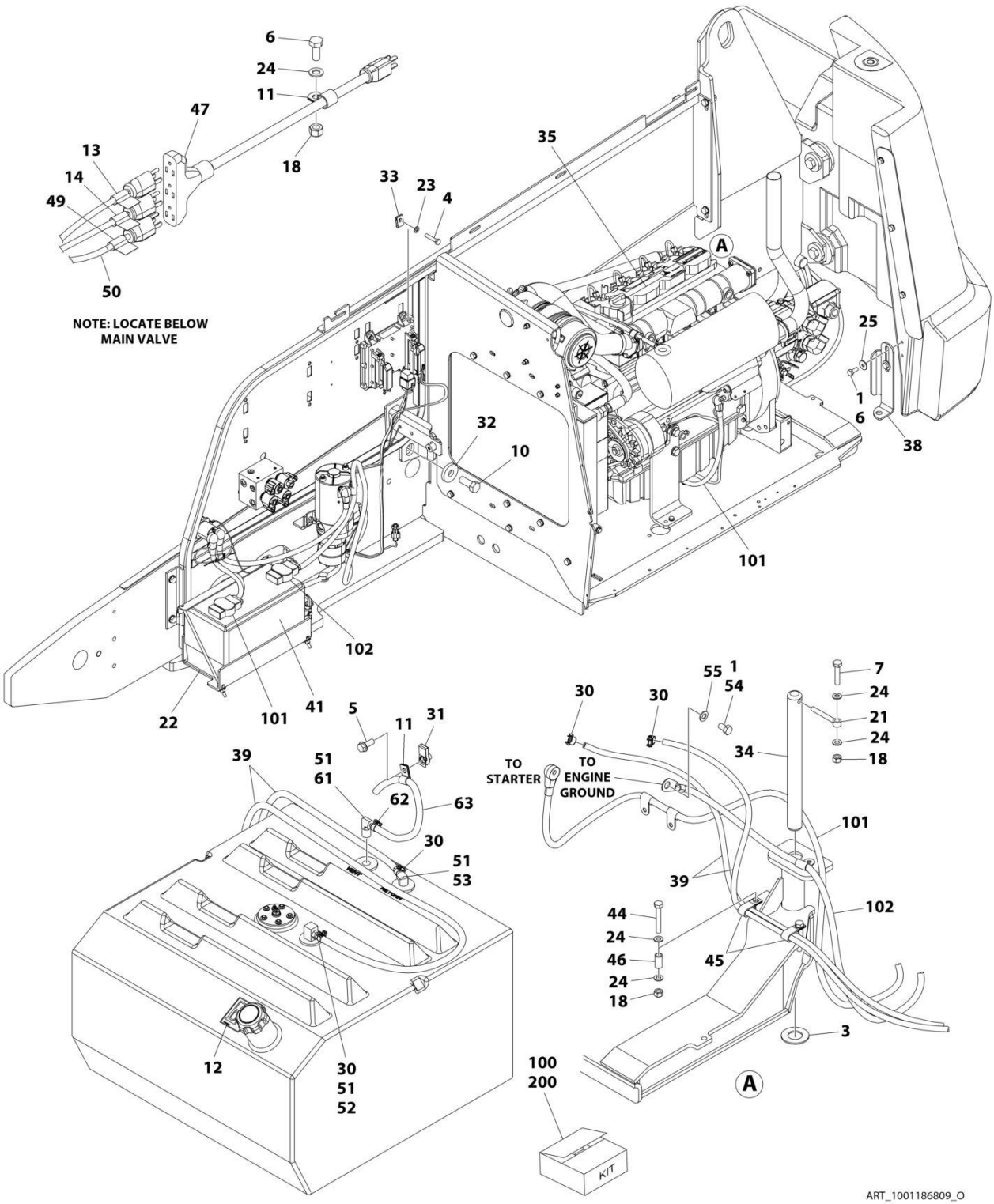


FIGURE 3-6. DEUTZ D2011 ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186809	Ref	DEUTZ D2011 ENGINE INSTALLATION	O
1	0100011	AR	Compound, Locking	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	5251012	1	Bolt M10 x 25	
6	0701012	3	Bolt M10 x 25	
7	0711018	1	Bolt M10 x 50	
10	0772018	1	Bolt M20 x 50	
11	1320061	2	Clamp	
12	1701505	1	Decal - Diesel Fuel	
13	1702941	1	Decal - Battery Heater	
14	1702943	1	Decal - Hydraulic Tank Heater	
17	1001188972	1	Heater, Immersion (Not Shown - Located on Hydraulic Tank)	
18	3291005	4	Nut M10	
21	3841143	1	Keeper, Pin	
22	3980007	1	Seal, Battery	
23	4811700	4	Washer M6	
24	4812000	7	Washer M10	
25	4812002	2	Washer M10	
30	1001174486	4	Clamp	
31	1001118972	1	Nut, Tinnerman M10	
32	1001119051	1	Washer	
33	1001130220	4	Nut, Tinnerman M6	
34	1001155094	1	Pin	
35	1001186817	1	Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
38	1001196398	1	Bracket	
39	2720058	208 in/ 7.3m	Hose, Fuel	
41	2580024	1	Heater, Battery	
44	0701022	2	Bolt M10 x 70	
45	1001026127	2	Clamp	
46	1001200731	2	Tube	
47	1060626	1	Plug, 3 Way	
48	4240099	5	Tie-Strap (Not Shown)	
49	1702942	1	Decal - Engine Block Heater	
50	1001150918	1	Cable, Extension	
51	0100020	AR	Sealant	
52	2180348	1	Fitting, Straight NPT/Barbed	
53	2221176	1	Fitting, 90 Barbed	
54	0761210	1	Bolt M12 x 20	
55	4812100	1	Washer M12	
61	2220313	1	Fitting, 90 NPTF/Barb	
62	1001136975	1	Clamp	
63	1001165035	20 in/ 0.5m	Hose	
100	1001235699	1	Battery Cable Kit	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-7. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

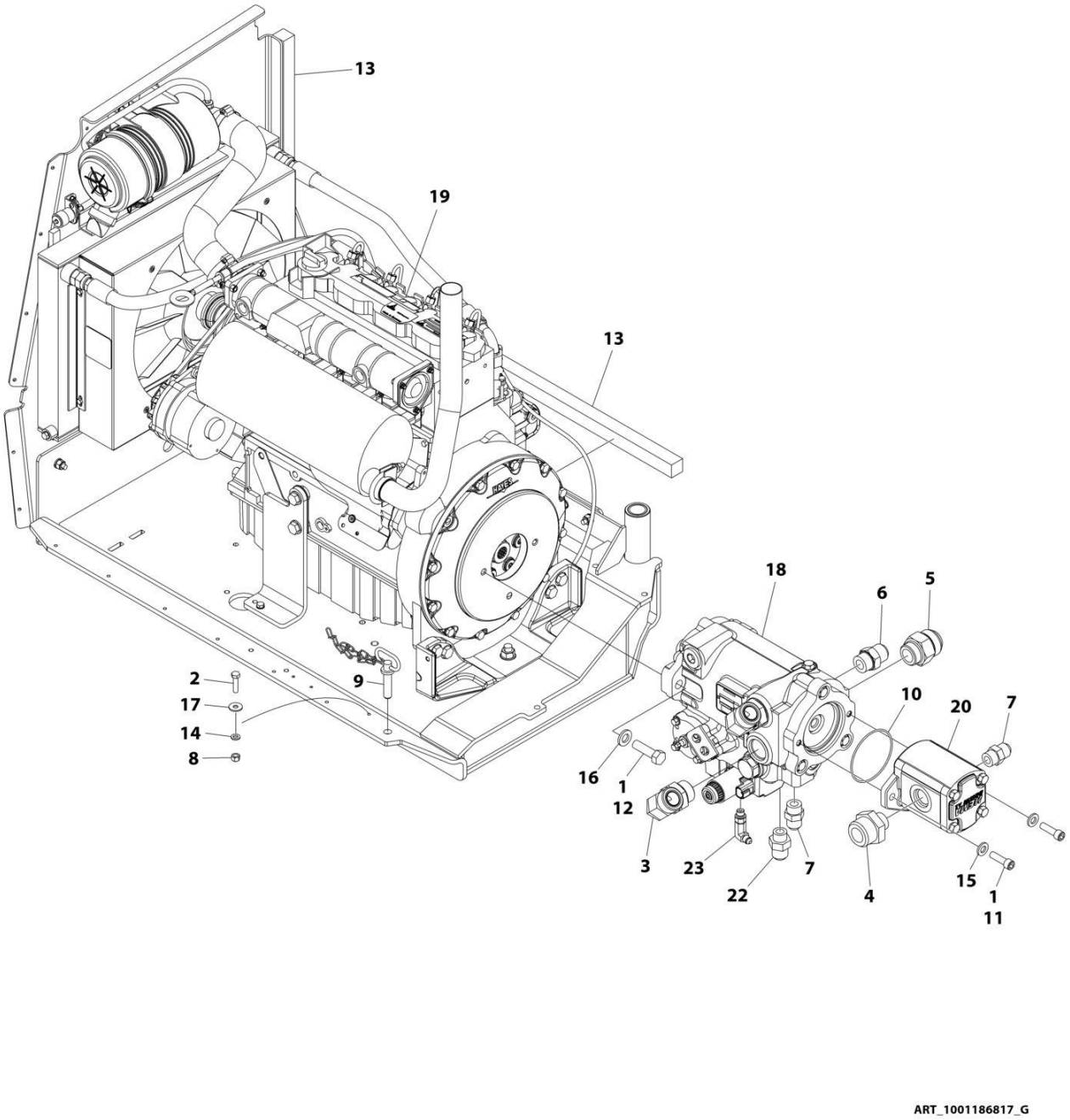


FIGURE 3-7. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186817	Ref	DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	2131616	2	Fitting, 90 ORFS/ORB	
4	2220946	1	Fitting, Straight JIC/ORB	
5	2220479	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220947	2	Fitting, Straight JIC/ORB	
8	3290605	1	Nut M6	
9	3422532	1	Pin	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
11	3931618	2	Capscrew 3/8 x 1-1/8	
12	0641814	2	Bolt 1/2 x 1-3/4	
13	3960469	2	Seal	
14	4811700	1	Washer M6	
15	5241000	2	Washer M10	
16	5241200	2	Washer M12	
17	4811702	1	Washer M6	
18	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
19	1001186818	1	Deutz D2011 Engine Assembly (See Separate Breakdown in this Section)	
20	1001190143	1	Gear Pump Assembly	
20	70006356	1	Seal Kit - 1001190143 Pump	
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220940	1	Fitting, 90 JIC/ORB	

FIGURE 3-8. DEUTZ D2011 ENGINE INSTALLATION - HENGLI PISTON PUMP (WITH ARCTIC PACKAGE)

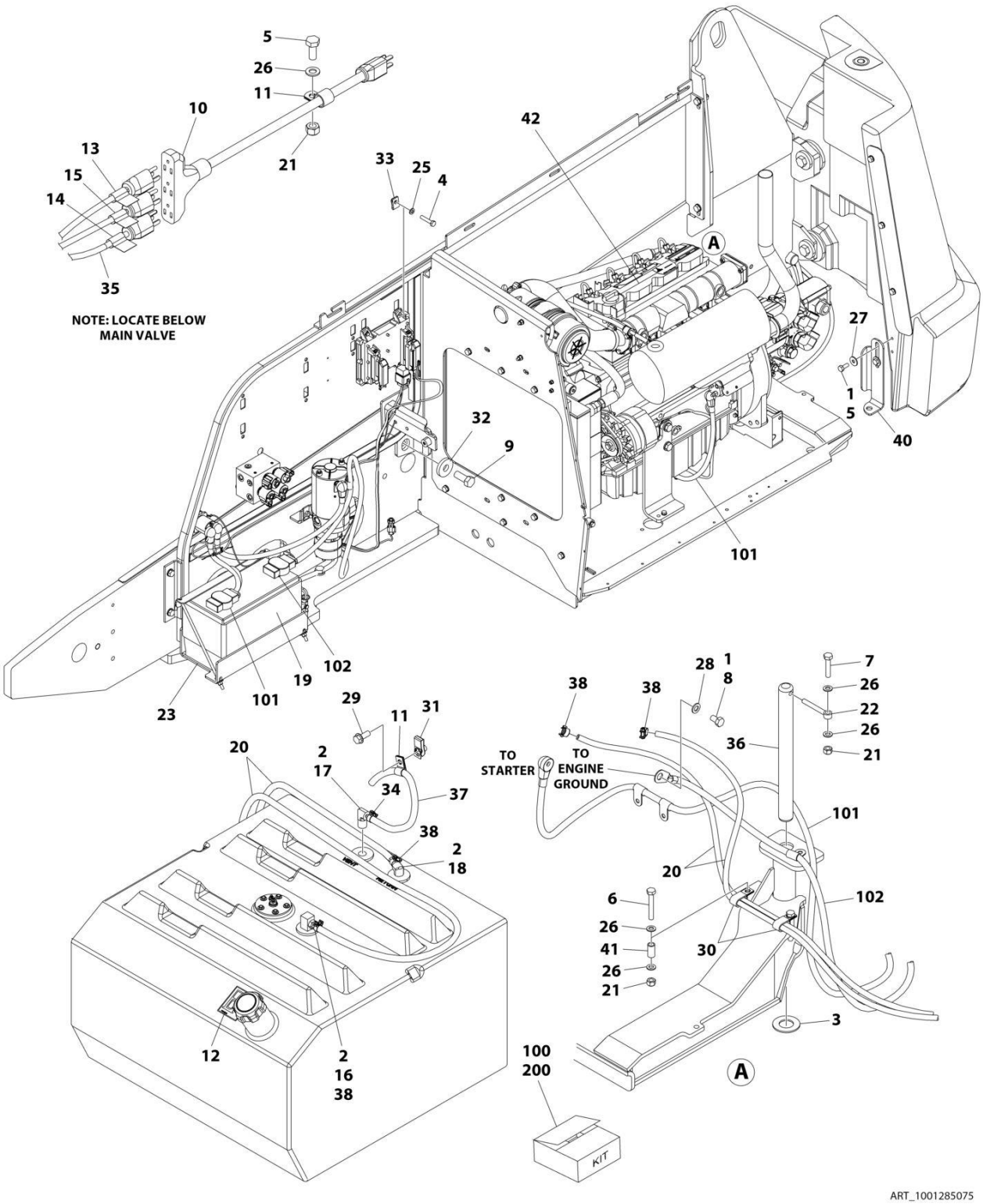


FIGURE 3-8. DEUTZ D2011 ENGINE INSTALLATION - HENGLI PISTON PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285075	Ref	DEUTZ D2011 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	0701012	3	Bolt M10 x 25	
6	0701022	2	Bolt M10 x 70	
7	0711018	1	Bolt M10 x 50	
8	0761210	1	Bolt M12 x 20	
9	0772018	1	Bolt M20 x 50	
10	1060626	1	Plug, 3 Way	
11	1320061	2	Clamp	
12	1701505	1	Decal - Diesel Fuel	
13	1702941	1	Decal - Battery Heater	
14	1702942	1	Decal - Engine Block Heater	
15	1702943	1	Decal - Hydraulic Tank Heater	
16	2180348	1	Fitting, Straight NPT/Barbed	
17	2220313	1	Fitting, 90 NPTF/Barb	
18	2221176	1	Fitting, 90 Barbed	
19	2580024	1	Heater, Battery	
20	2720058	208 in/ 7.3m	Hose, Fuel	
21	3291005	4	Nut M10	
22	3841143	1	Keeper, Pin	
23	3980007	1	Seal, Battery	
24	4240099	AR	Tie-Strap (Not Shown)	
25	4811700	4	Washer M6	
26	4812000	7	Washer M10	
27	4812002	2	Washer M10	
28	4812100	1	Washer M12	
29	5251012	1	Bolt M10 x 25	
30	1001026127	2	Clamp	
31	1001118972	1	Nut, Tinnerman M10	
32	1001119051	1	Washer	
33	1001130220	4	Nut, Tinnerman M6	
34	1001136975	1	Clamp	
35	1001150918	1	Cable, Extension	
36	1001155094	1	Pin	
37	1001165035	20 in/ 0.5m	Hose	
38	1001174486	4	Clamp	
39	1001188972	1	Heater, Immersion (Not Shown - Located on Hydraulic Tank)	
40	1001196398	1	Bracket	
41	1001200731	2	Tube	
42	1001285074	1	Deutz D2011 Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
100	1001235699	1	Battery Cable Kit	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-9. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - HENGLI PISTON PUMP (WITH ARCTIC PACKAGE)

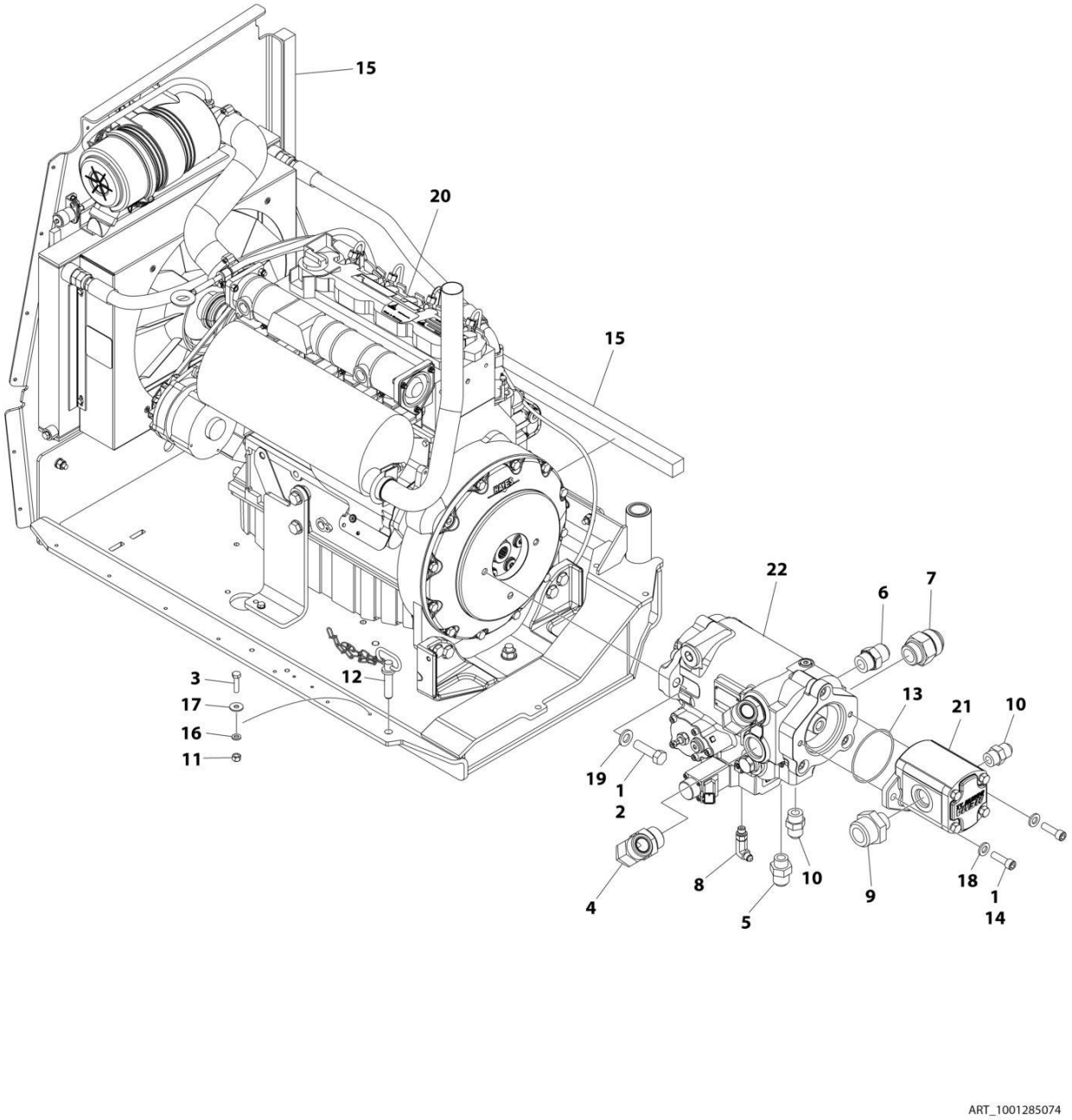
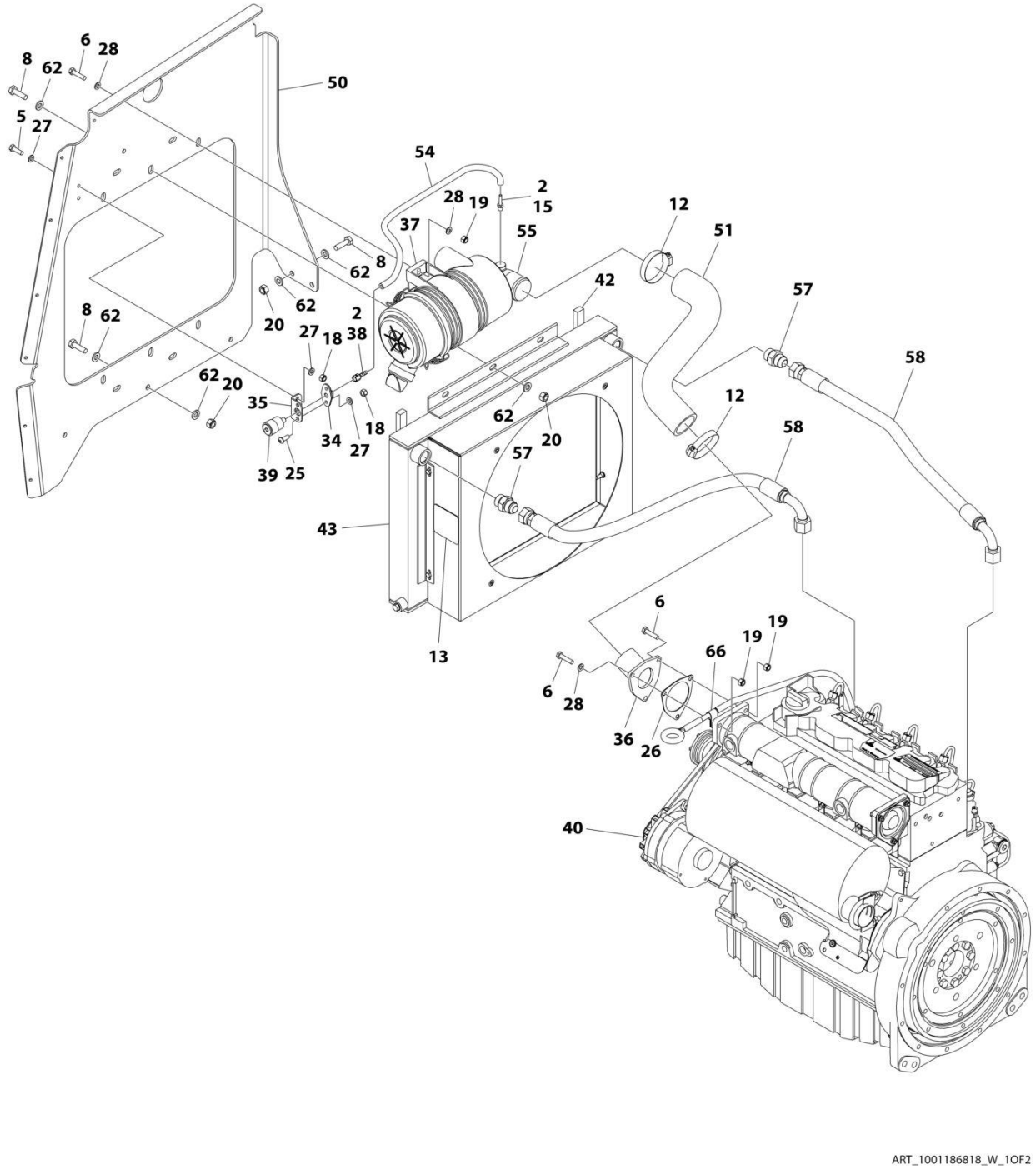


FIGURE 3-9. DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY - HENGLI PISTON PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001285074	Ref	DEUTZ D2011 ENGINE AND PUMPS SUB-ASSEMBLY	B
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760612	1	Bolt M6 x 25	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
11	3290605	1	Nut M6	
12	3422532	1	Pin	
14	70007827	1	O-Ring (Part of Item 22)	
14	3931618	2	Capscrew 3/8 x 1-1/8	
15	3960469	2	Seal	
16	4811700	1	Washer M6	
17	4811702	1	Washer M6	
18	5241000	2	Washer M10	
19	5241200	2	Washer M12	
20	1001186818	1	Deutz D2011 Engine Assembly (See Separate Breakdown in this Section)	
21	1001190143	1	Gear Pump Assembly	
21	70006356	1	Seal Kit - 1001190143 Pump	
22	1001284471	1	Piston Pump Assembly (See Separate Breakdown in this Section)	

FIGURE 3-10. DEUTZ D2011 ENGINE ASSEMBLY - WITH ARCTIC PACKAGE



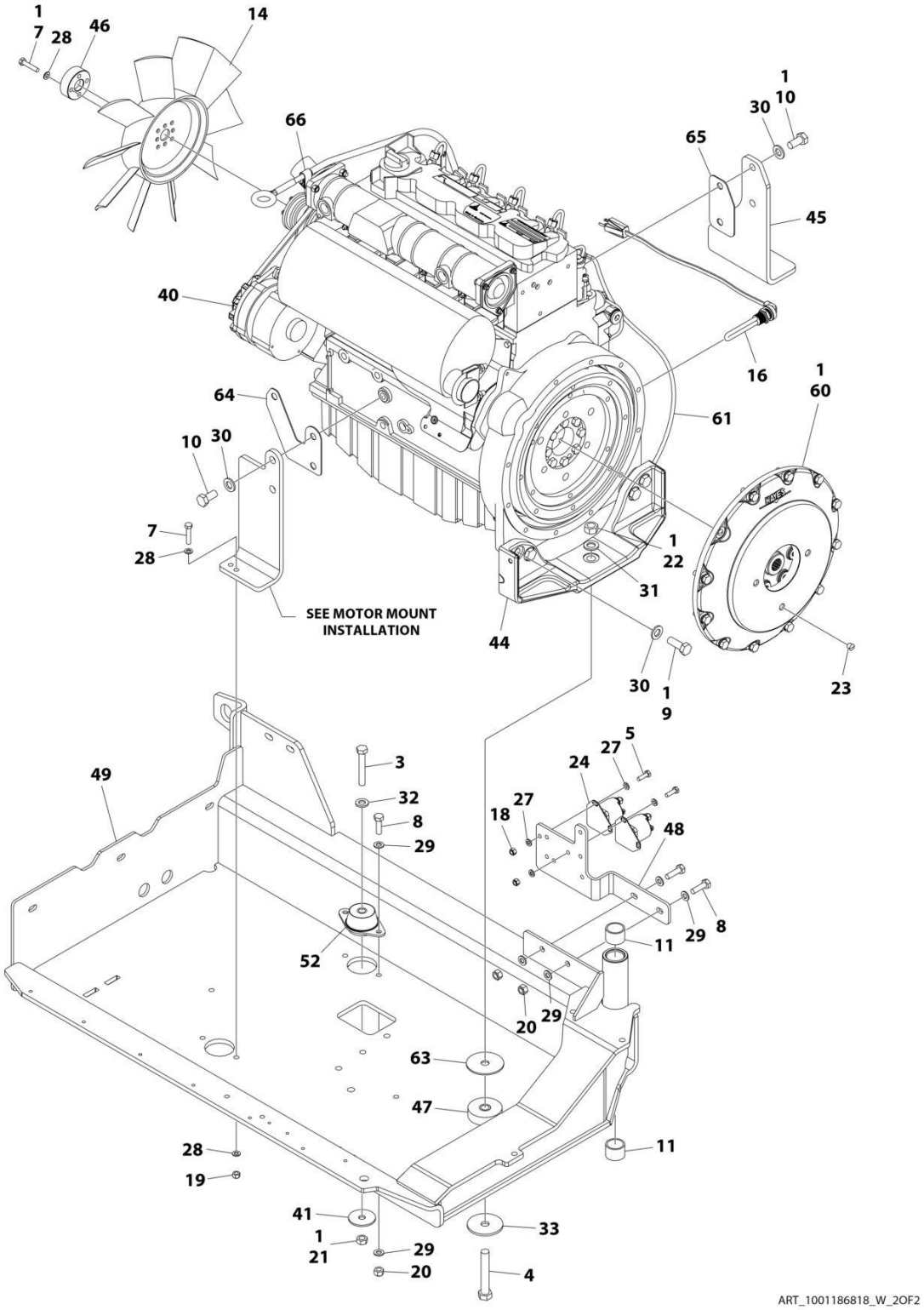

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FIGURE 3-10. DEUTZ D2011 ENGINE ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186818	Ref	DEUTZ D2011 ENGINE ASSEMBLY	W
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0711224	1	Bolt M12 x 80	
4	0711627	1	Bolt M16 x 100	
5	0760610	6	Bolt M6 x 20	
6	0760815	5	Bolt M8 x 35	
7	0760816	5	Bolt M8 x 40	
8	0761015	15	Bolt M10 x 35	
9	0771416	4	Bolt M14 x 40	
10	0771414	4	Bolt M14 x 30	
11	0961951	2	Bushing	
12	8405202	2	Clamp	
13	1703162	2	Decal - Fan Blade	
14	2060025	1	Fan	
15	2220315	1	Fitting, Straight Barbed	
16	2580062	1	Heater, Engine Block	
18	3290605	8	Nut M6	
19	3290805	6	Nut M8	
20	3291005	15	Nut M10	
21	3331211	1	Nut M12	
22	3331611	1	Nut M16	
23	3520054	2	Plug	
24	3740067	2	Relay	
25	3900357	2	Screw M6 x 16	
26	3960407	1	Gasket, Air Intake Adapter	
27	4811700	14	Washer M6	
28	4811900	11	Washer M8	
29	4812000	8	Washer M10	
30	5241400	8	Washer M14	
31	4812300	1	Washer M16	
32	5241200	1	Washer M12	
33	7300435	1	Washer	
34	1001138173	1	Support	
35	1001138175	1	Bracket	
36	1001139819	1	Adapter	
37	1001141694	1	Clamp, Air Cleaner	
38	1001141995	1	Fitting, Straight NPT/Barbed	
39	1001143390	1	Indicator, Air Filter Service	
40	1001146368	1	Deutz D2011 Engine (See Separate Breakdown in this Section)	
41	1001168018	1	Washer	
42	1001168166	2	Seal	
43	1001187082	1	Radiator	
44	1001188535	1	Bracket, Engine - Rear	
45	1001189026	1	Bracket, Engine - Right	
46	1001189161	1	Adapter, Fan	
47	1001190164	1	Mount, Motor	
48	1001203885	1	Plate	
49	1001200435	1	Tray	
50	1001236499	1	Support, Radiator	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001191271	1	Hose	
52	1001191610	1	Mount, Motor	
54	1001138248	2 ft/1 m	Tube	
55	1001165388	1	Filter, Air Cleaner	
55	70003783	1	Element, Filter	
56	1001188236	1	Engine Harness - Deutz D2011 Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
57	2220451	2	Fitting, Straight ORB/JIC	
58	2720398	2	Hose	
60	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
61	1001234396	1	Glow Plug Harness	
62	5241000	22	Washer M10	
63	1001197725	1	Spacer	
64	1001201843	1	Shim .079	
65	1001201844	1	Shim .079	
66	1320070	1	Clamp	

FIGURE 3-11. DEUTZ D2011 ENGINE COMPONENTS

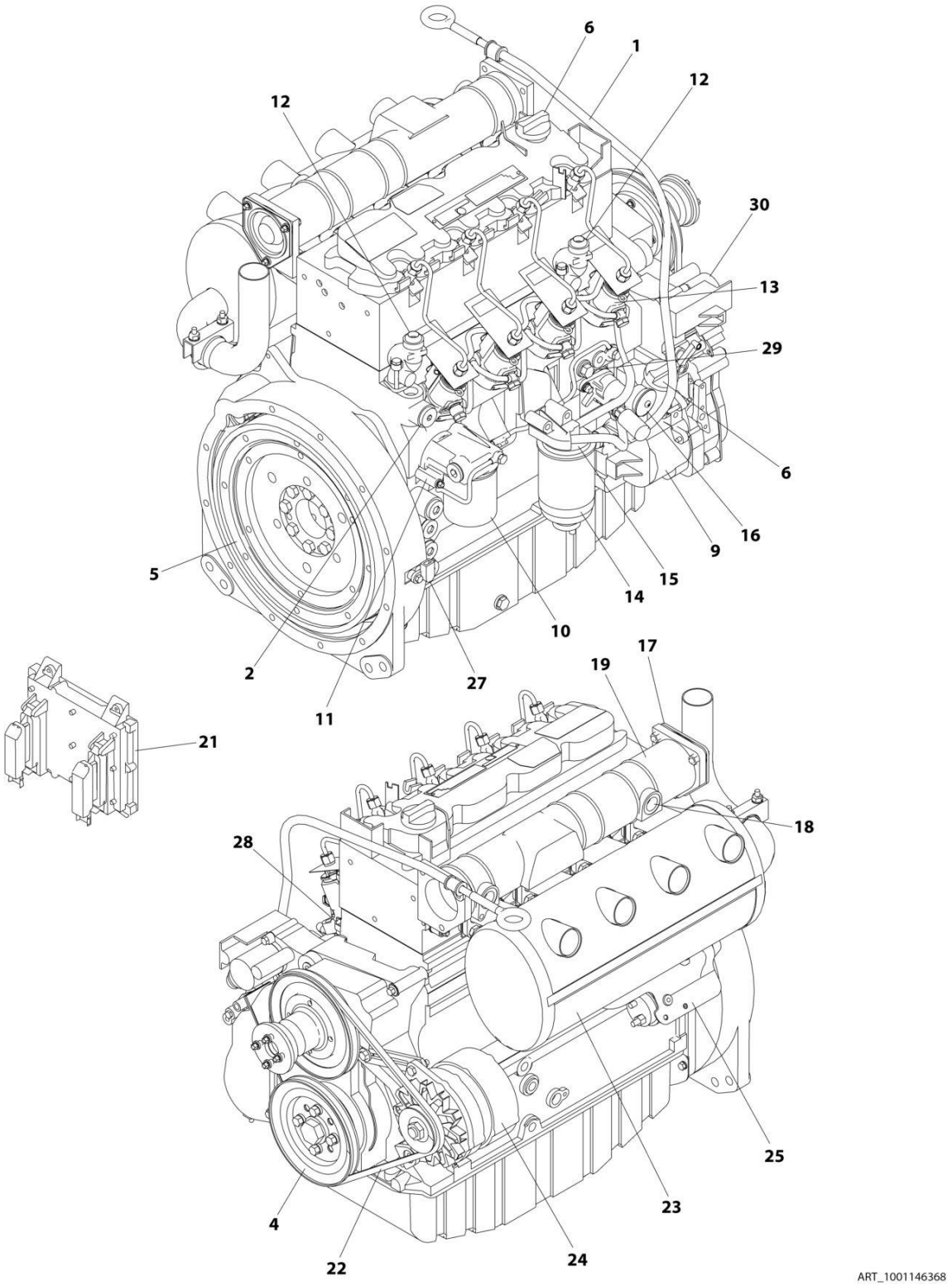


FIGURE 3-11. DEUTZ D2011 ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001146368	Ref	DEUTZ D2011 ENGINE COMPONENTS	E
1	7026631	1	Dipstick	
1	7020487	1	O-Ring, Dipstick	
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Dipstick Tube	
2	70003475	1	Thermostat	
2	7020460	1	Spring, Compression	
3	70002718	1	Seal, Rear Main (Not Shown)	
4	70005479	1	Pulley	
5	70001870	1	Flywheel	
5	7024579	1	Ring Gear	
6	7020465	2	Cap, Filler	
7	70003456	1	Gasket, Head (Not Shown)	
7	70003457	1	Gasket, Head (Not Shown)	
7	70003003	1	Gasket, Head (Not Shown)	
8	7020431	1	Gasket, Valve Cover (Not Shown)	
9	70001850	1	Pump, Oil Lube	
9	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
10	7016331	1	Filter, Oil	
11	70003472	1	Bracket, Oil Filter (Includes Spring, Control Valve, Temperature Sensor, Seal and Plug)	
11	7027236	1	Sensor, Temperature	
11	70003473	1	Gasket, Oil Filter Bracket to Engine Block	
12	70004268	2	Fitting, Radiator Connector (Located Between Item 220 and Engine Block)	
12	70004269	2	Seal for Radiator Connector Fitting	
13	70003478	4	Injector, Fuel	
13	70003136	4	Seal	
13		Ref	Pump, Injector Options:	
13	70000912	1	Series A Injector	
13	70000913	4	Series B Injector	
13	70000914	1	Series C Injector	
13	70000915	1	Series D Injector	
14	7016328	1	Filter, Fuel	
15	70001423	1	Bracket, Fuel Filter	
16	70000916	1	Pump Fuel Supply	
16	70001435	1	Repair Kit for Pump	
16	70000919	1	Hand Pump	
16	70000918	1	Seal, Hand Pump	
16	70000917	1	O-Seal Between Fuel Pump and Engine Block (Not Shown)	
17	70003469	1	Flange	
17	70003468	1	O-Seal	
18	70025084	1	Plug	
19	70003470	1	Manifold, Intake	
19	70001871	4	Gasket, Intake Manifold to Engine Block (Not Shown)	
20	70001847	1	Breather Valve (Not Shown - Located on Front Cover)	
20	70001126	1	Seal, Breather Valve	
21	7027795	1	Module, Control	
22	7020408	1	V-Belt	
23	7000695	1	Muffler (Includes Saddle Clamp)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	7020471	4	Gasket, Exhaust Manifold (Not Shown)	
23	70004270	8	Stud, Exhaust Manifold (Not Shown)	
24	70004056	1	Alternator	
24	70001868	1	Regulator, Voltage Options (Not Shown)	
24	70001866	1	Gasket for Voltage Regulator (Not Shown)	
24	70002234	1	Bracket, Adjusting (Not Shown)	
24	70000851	1	Bracket, Mounting (Not Shown)	
25	7020479	1	Starter	
25	70004058	1	Relay	
25	70001498	1	Shield, Starter Heat	
26	70004059	1	Plug- In Connector for Analyzer (Not Shown)	
26	7027796	1	Harness, Module to Engine Harness (Not Shown)	
26	70004060	1	Plug- In Connector on p/n 7027796 Harness (Not Shown)	
26	70001872	1	Harness, Engine (Not Shown)	
26	70004103	1	Harness, Alternator (Not Shown)	
26	70004271	1	Harness, Starter (Not Shown)	
27	70004272	1	Sensor, Speed	
27	70003932	1	Spacer	
28	7027791	1	Transmitter, Temperature	
29	7027790	1	Sensor, Oil Pressure	
30	7027792	1	Actuator, Throttle	
30	7027276	1	Spring, Actuator	
31	70000345	4	Plug, Glow (Not Shown)	
32	70004273	1	Set, Engine Gasket (Not Shown)	

FIGURE 3-12. DEUTZ D2011 (STAGE V) ENGINE INSTALLATION - DANFOSS VARIABLE PUMP

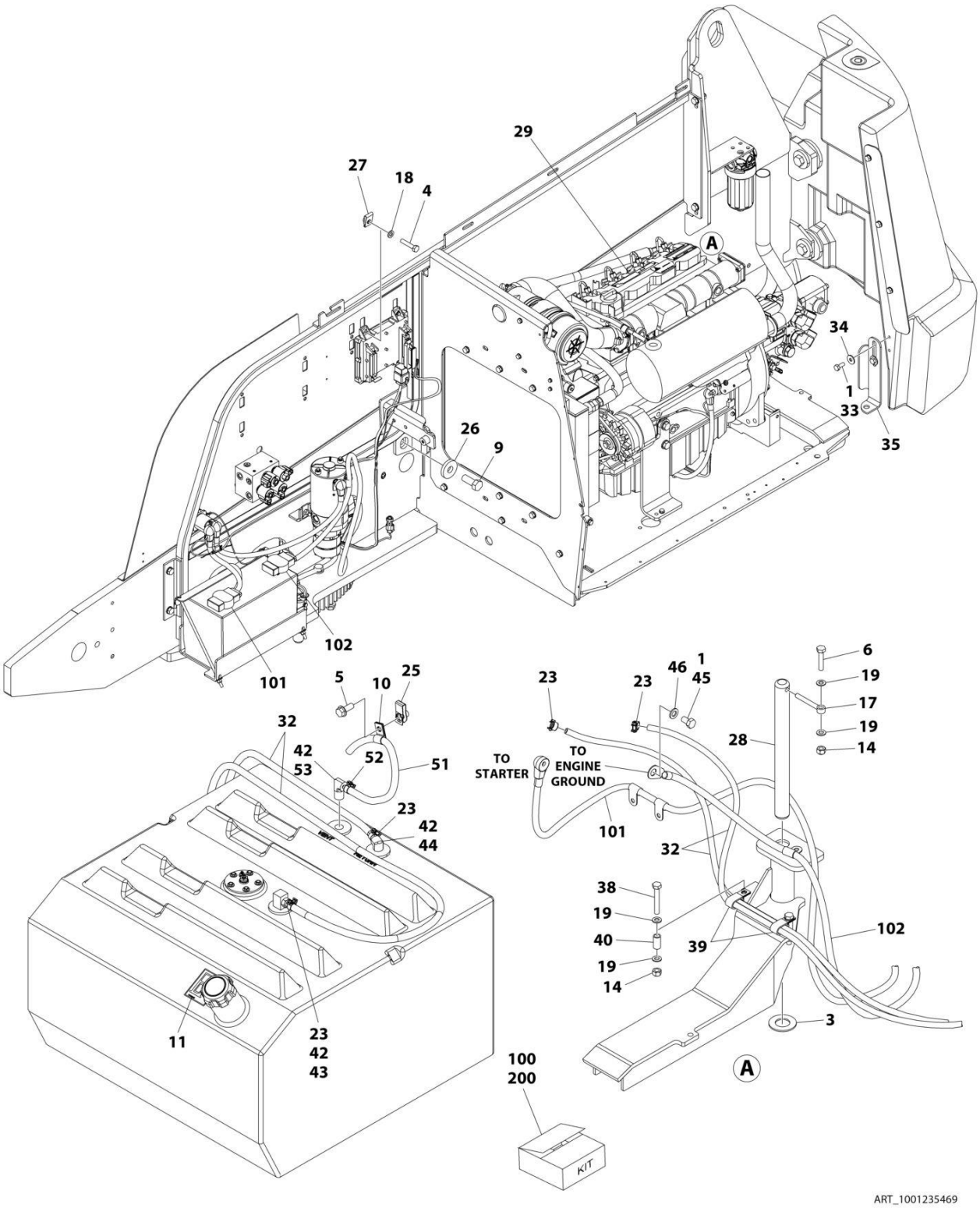


FIGURE 3-12. DEUTZ D2011 (STAGE V) ENGINE INSTALLATION - DANFOSS VARIABLE PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235469	Ref	DEUTZ D2011 (STAGE V) ENGINE INSTALLATION	D
1	0100011	AR	Compound, Locking	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	5251012	1	Bolt M10 x 25	
6	0711018	1	Bolt M10 x 50	
9	0772018	1	Bolt M20 x 50	
10	8406110	1	Clip	
11	1701505	1	Decal - Diesel Fuel	
14	3291005	3	Nut M10	
17	3841143	1	Keeper, Pin	
18	4811700	4	Washer M6	
19	4812000	6	Washer M10	
23	1001174486	4	Clamp	
25	1001118972	1	Nut, Tinnerman M10	
26	1001119051	1	Washer	
27	1001130220	4	Nut, Tinnerman M6	
28	1001155094	1	Pin	
29	1001235470	1	Deutz D2011 (Stage V) Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
32	2720058	288 in/ 7.3m	Hose, Fuel	
33	0701012	2	Bolt M10 x 70	
34	4812002	2	Washer M10	
35	1001196398	1	Bracket	
38	0701022	2	Bolt M10 x 70	
39	1001026127	2	Clamp	
40	1001200731	2	Tube	
41	4240099	5	Tie-Strap (Not Shown)	
42	0100020	AR	Sealant	
43	2180348	1	Fitting, Straight NPT x Barb	
44	2221176	1	Fitting, 90 Barbed	
45	0761210	1	Bolt M12 x 20	
46	4812100	1	Washer M12	
51	1001165035	20 in/ 0.5m	Hose	
52	1001136975	1	Clamp	
53	2220313	1	Fitting, 90 NPTF/Barb	
100	1001235699	1	Battery Cable Kit	
101	1001188667	1	Cable, Battery (+) to Aux Relay to Starter	
102	1001188670	1	Cable, Battery (-) to Aux Pump and Ground	
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-13. DEUTZ D2011 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP

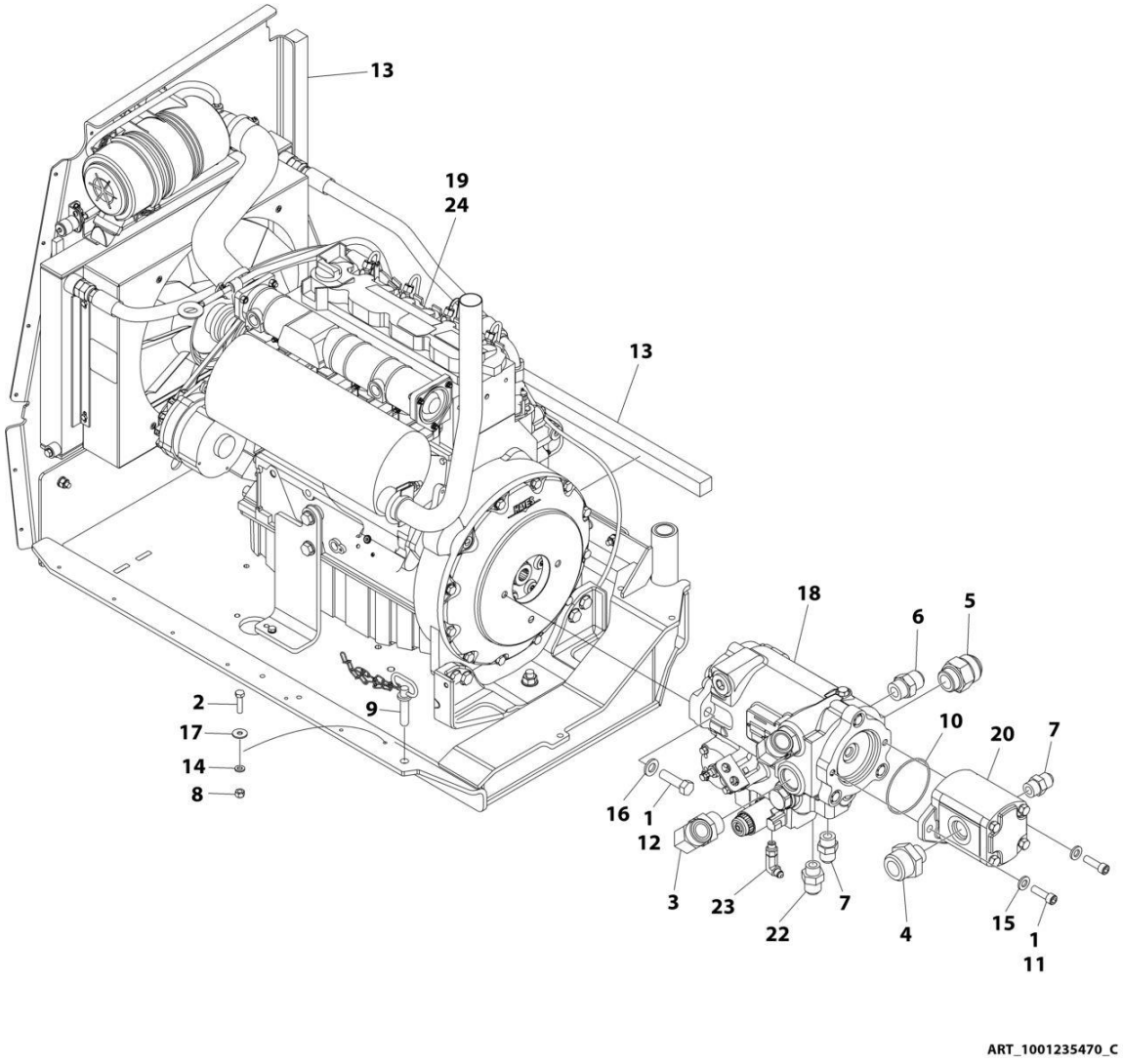
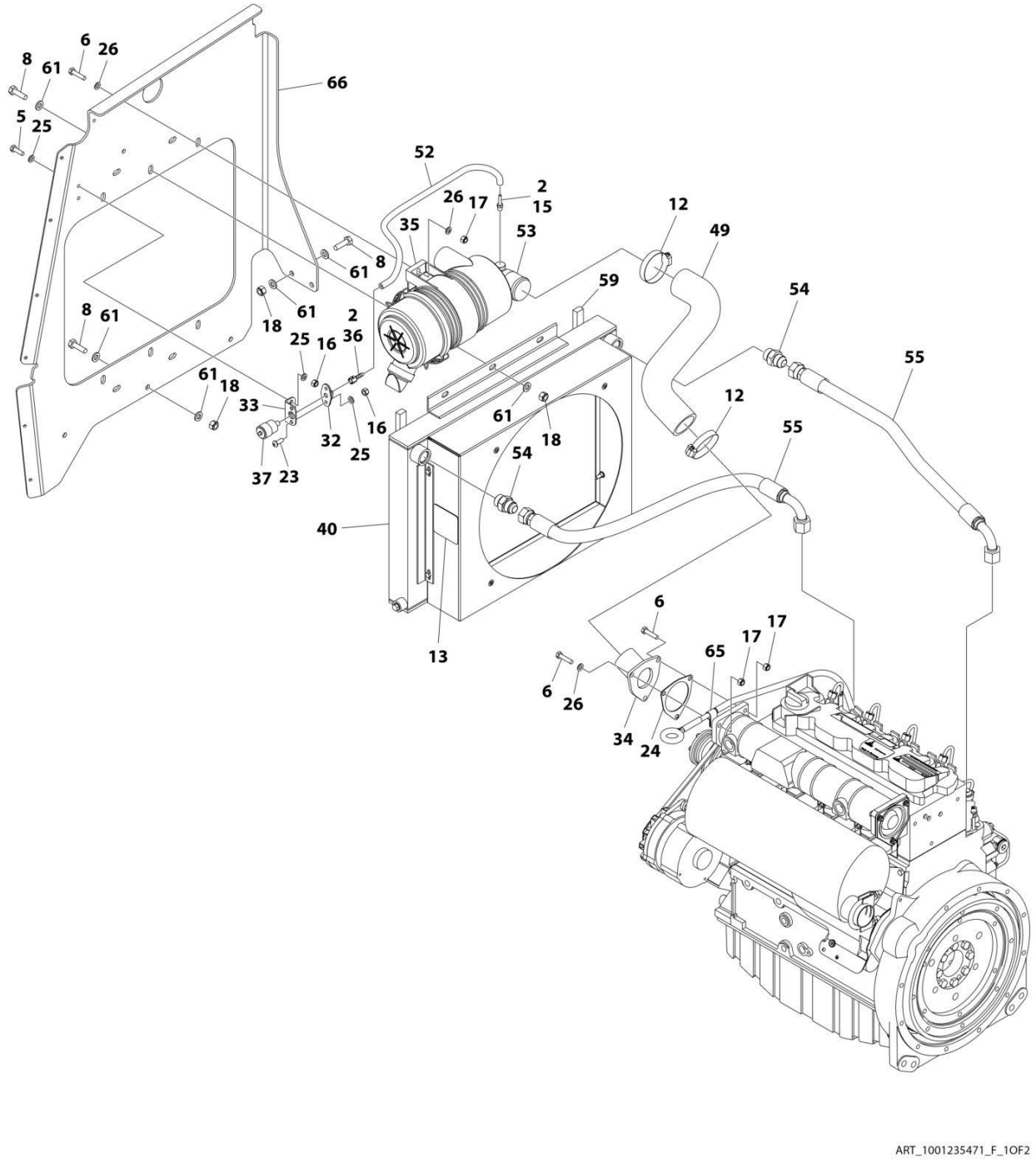


FIGURE 3-13. DEUTZ D2011 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235470	Ref	DEUTZ D2011 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	2131616	2	Fitting, 90 ORFS/ORB	
4	2220946	1	Fitting, Straight JIC/ORB	
5	2220479	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220947	2	Fitting, Straight JIC/ORB	
8	3290605	1	Nut M6	
9	3422532	1	Pin	
10	3790152	1	O-Ring	
11	3931618	2	Capscrew 3/8 x 1-1/8	
12	0641814	2	Bolt 1/2 x 1-3/4	
13	3960469	2	Seal	
14	4811700	1	Washer M6	
15	5241000	2	Washer M10	
16	5241200	2	Washer M12	
17	4811702	1	Washer M6	
18	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
19	1001235471	1	Deutz D2011 (Stage V) Engine Assembly (See Separate Breakdown in this Section)	
20	1001190143	1	Gear Pump Assembly	
20	70006356	1	Seal Kit - 1001190143 Pump	
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220940	1	Fitting, 90 JIC/ORB	
24	1001235457	1	Deutz D2011 (Stage V) Engine Components (See Separate Breakdown in this Section)	

FIGURE 3-14. DEUTZ D2011 (STAGE V) ENGINE ASSEMBLY



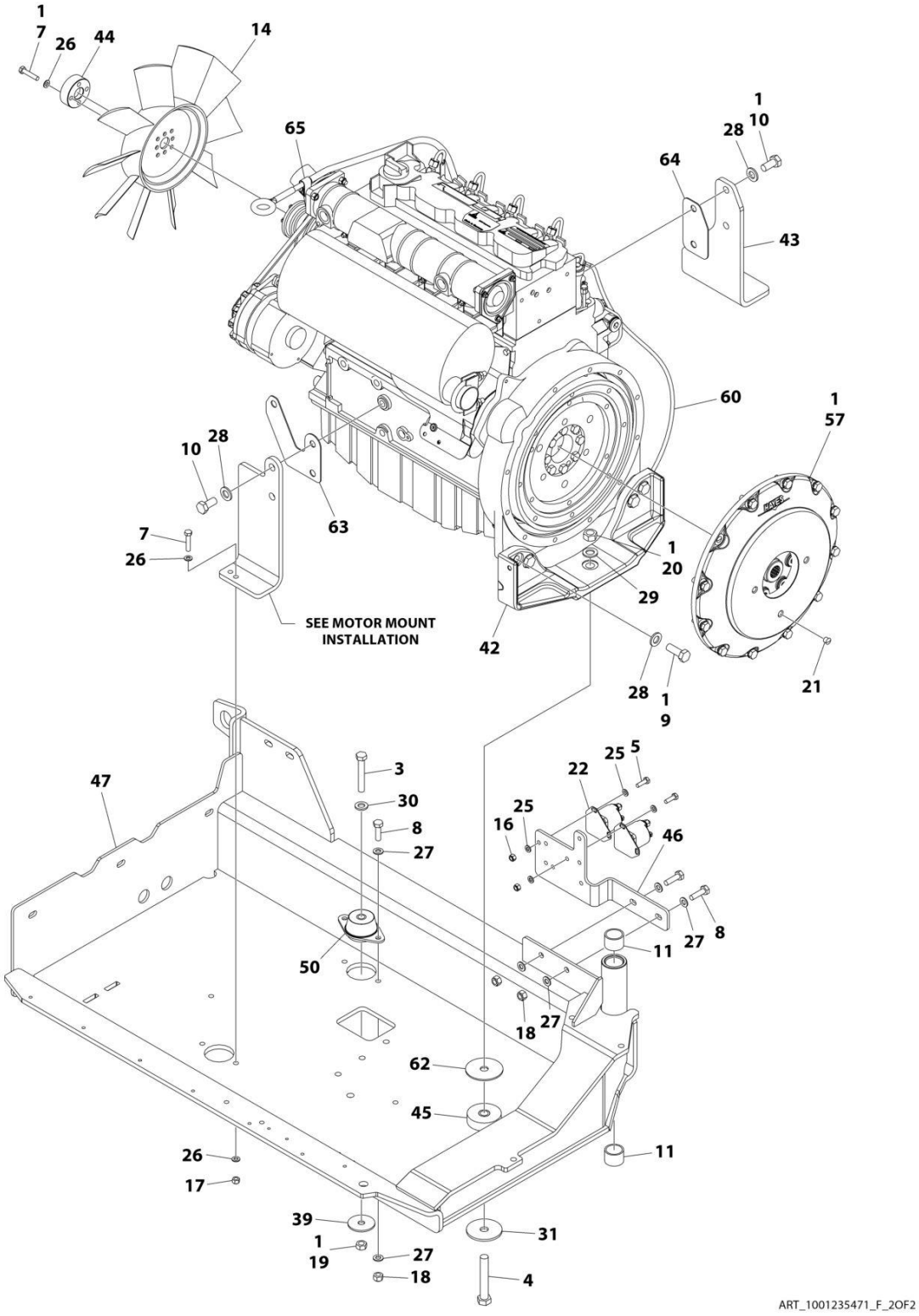

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FIGURE 3-14. DEUTZ D2011 (STAGE V) ENGINE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235471	Ref	DEUTZ D2011 (STAGE V) ENGINE ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0711224	1	Bolt M12 x 80	
4	0711627	1	Bolt M16 x 100	
5	0760610	6	Bolt M6 x 20	
6	0760815	5	Bolt M8 x 35	
7	0760816	5	Bolt M8 x 40	
8	0761015	15	Bolt M10 x 35	
9	0771416	4	Bolt M14 x 40	
10	0771414	4	Bolt M14 x 30	
11	0961951	2	Bushing	
12	8405202	2	Clamp	
13	1703162	2	Decal - Fan Blade	
14	2060025	1	Fan	
15	2220315	1	Fitting, Straight Barbed	
16	3290605	8	Nut M6	
17	3290805	6	Nut M8	
18	3291005	15	Nut M10	
19	3331211	1	Nut M12	
20	3331611	1	Nut M16	
21	3520054	2	Plug	
22	3740067	2	Relay	
23	3900357	2	Screw M6 x 16	
24	3960407	1	Gasket, Air Intake Adapter	
25	4811700	14	Washer M6	
26	4811900	11	Washer M8	
27	4812000	8	Washer M10	
28	5241400	8	Washer M14	
29	4812300	1	Washer M16	
30	5241200	1	Washer M12	
31	7300435	1	Washer	
32	1001138173	1	Support	
33	1001138175	1	Bracket	
34	1001139819	1	Adapter	
35	1001141694	1	Clamp, Air Cleaner	
36	1001141995	1	Fitting, Straight NPT/Barbed	
37	1001143390	1	Indicator, Air Filter Service	
39	1001168018	1	Washer	
40	1001187082	1	Radiator	
41	1001188236	1	Engine Harness - Deutz D2011 Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
42	1001188535	1	Bracket, Engine - Rear	
43	1001189026	1	Bracket, Engine - Right	
44	1001189161	1	Adapter, Fan	
45	1001190164	1	Mount, Motor	
46	1001203885	1	Plate	
47	1001200435	1	Tray	
49	1001191271	1	Hose	
50	1001191610	1	Mount, Motor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
52	1001138248	22 in/1 m	Tube	
53	1001165388	1	Filter, Air	
53	70003783	1	Element, Filter	
54	2220451	2	Fitting, Straight ORB/JIC	
55	2720398	2	Hose	
57	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
59	1001168166	2	Seal	
60	1001234396	1	Glow Plug Harness	
61	5241000	22	Washer M10	
62	1001197725	1	Spacer	
63	1001201843	1	Shim .079	
64	1001201844	1	Shim .079	
65	1320070	1	Clamp	
66	1001236499	1	Support, Radiator	

FIGURE 3-15. DEUTZ D2011 (STAGE V) ENGINE COMPONENTS

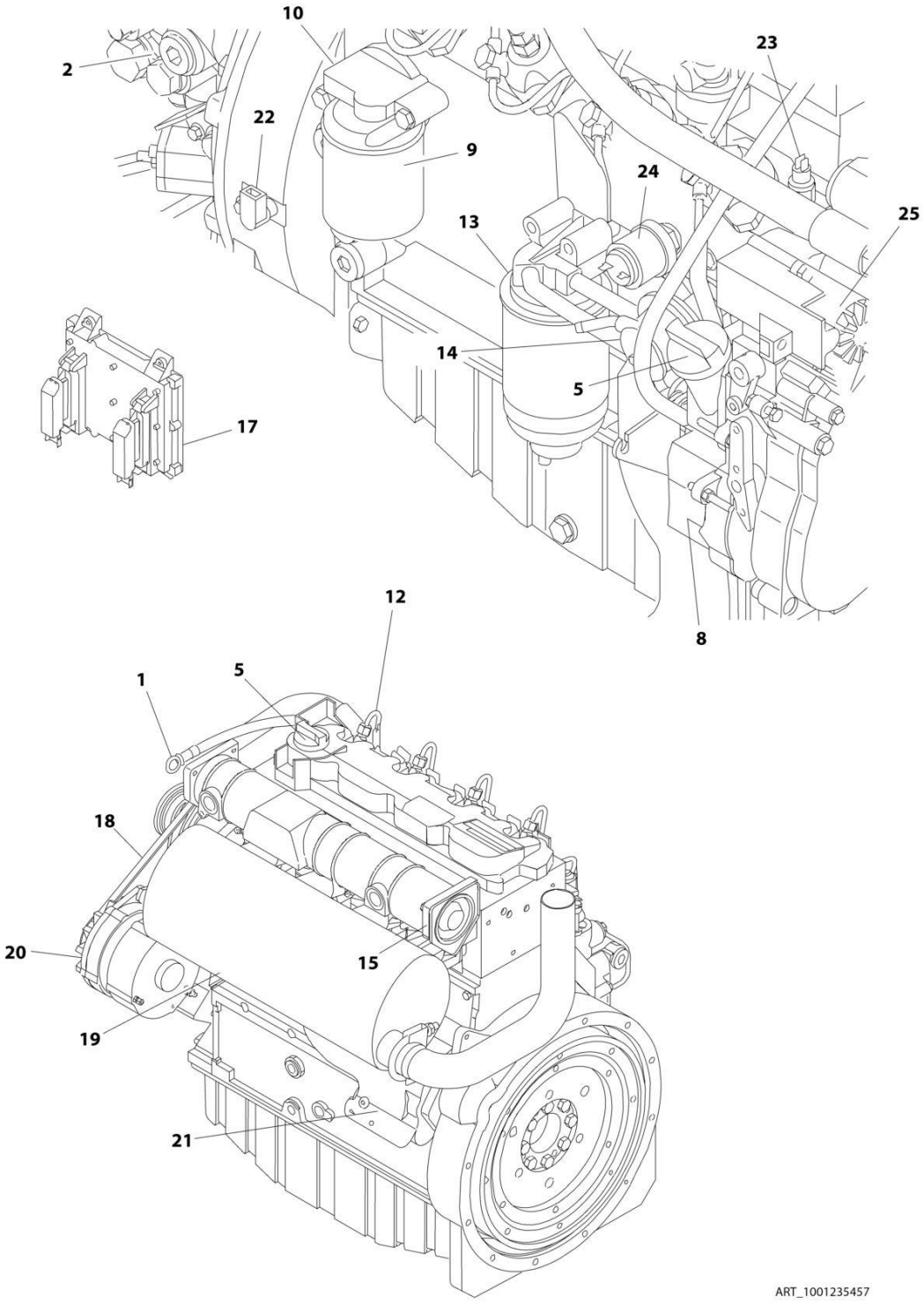


FIGURE 3-15. DEUTZ D2011 (STAGE V) ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001235457	Ref	DEUTZ D2011 (STAGE V) ENGINE COMPONENTS	B
1	7026631	1	Dipstick	
1	7020487	1	Seal, Dipstick	
1	70001002	1	Tube, Dipstick	
1	7020403	1	Seal, Dipstick Tube	
2	70003475	1	Thermostat	
3	70002718	1	Seal, Rear Main (Not Shown)	
4	70001870	1	Flywheel (Not Shown)	
4	7024579	1	Ring Gear (Located on Flywheel - Not Shown)	
5	7020465	2	Cap, Filler	
6		Ref	Gasket, Head Options (Not Shown):	
6	70003456	1	Gasket with 1 Notch	
6	70003457	1	Gasket with 2 Notches	
6	70003003	1	Gasket with 3 Notches	
6	7020431	1	Gasket, Valve Cover (Not Shown)	
6	70004273	1	Gasket Kit (Note: Does not include Head Gasket)	
7	70000800	1	Kit, Timing Belt/Idler (Not Shown)	
8	70001850	1	Pump, Oil Lube	
8	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
9	7016331	1	Filter, Oil	
10	70003472	1	Bracket, Oil Filter	
10	7027236	1	Sender, Temperature	
10	70003473	1	Gasket, Bracket to Engine Block	
11	70004268	2	Connector, Radiator Hose (Not Shown)	
11	70004269	2	Ring, Sealing (Not Shown)	
12	70003478	4	Injector, Fuel	
12	70003136	4	Seal	
12		Ref	Pump, Injector Options:	
12	70000912	Ref	Series A Injector	
12	70000913	4	Series B Injector	
12	70000914	4	Series C Injector	
12	70000915	4	Series D Injector	
12	70003464	4	O-Ring	
13	7016328	1	Filter, Fuel	
13	70001423	1	Bracket, Fuel Filter	
14	70000916	1	Pump Fuel Supply	
14	70001435	1	Repair Kit for 70000916 Pump	
14	70000919	1	Hand Pump	
14	70000918	1	Seal, Hand Pump	
14	70000917	1	O-Seal Between Fuel Pump and Engine Block	
15		Ref	Intake Manifold Components	
15	70003469	1	Flange, Blanking	
15	70003468	1	Seal (Flange to Air Intake Manifold)	
15	70001871	4	Gasket, Intake Manifold to Engine Block (Not Shown)	
15	70003470	8	Screw, Torx Head (Not Shown)	
16	70001847	1	Breather Valve (Not Shown - Located On Front Cover)	
16	70001126	1	Seal, Breather Valve	
17	7027795	1	Module, Control	
17		Ref	Left Module Connections:	
17	7027796	1	Cable, Interconnect (Module to 70001872 Cable)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	70004060	1	Plug, Connector	
17	70001872	1	Cable, Harness	
17	70004103	1	Cable (Alternator to 70001872 Cable)	
17	70004271	1	Cable (Starter to 70001872 Cable)	
17		Ref	Right Module Connections:	
17	70004059	1	Plug, Diagnostic	
18	7020408	1	V-Belt	
19		Ref	Muffler Options:	
19	7000695	1	Standard Muffler (Supplied with Engine)	
19	See Note	1	Spark Arrester Muffler	
19	See Note	1	Catalytic Muffler	
19		Ref	Muffler Components:	
19	1320176	1	Clamp, Saddle	
19	70001017	1	Clamp	
19	7024560	1	Plug, Brass	
19	See Note	1	Pipe, Exhaust Standard Muffler (Note: Purchase Locally)	
19	7024398	1	Pipe, Exhaust	
19	7020471	4	Gasket, Exhaust Manifold to Engine Block	
19	70004270	8	Stud, Muffler	
20	70004056	1	Alternator	
20	70001868	1	Regulator, Voltage (Not Shown)	
20	70001866	1	Seal, Gasket for Voltage Regulator (Not Shown)	
20	70000851	1	Bracket, Mounting (Not Shown)	
20	70002234	1	Bracket, Adjusting (Not Shown)	
21	7020479	1	Starter	
21	70004058	1	Relay	
21	70001498	1	Shield, Starter Heat	
22	70004272	1	Sensor, Speed	
22	70003932	1	Spacer, Sensor	
23	7027791	1	Transmitter, Temperature	
24	7027790	1	Sensor, Oil Pressure	
25	7027792	1	Actuator, Throttle	
25	7027276	2	Spring, Actuator	
26	70000345	4	Plug, Glow (Not Shown)	
27	70005479	1	Pulley, Crankshaft (Not Shown)	

FIGURE 3-16. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION - DANFOSS VARIABLE PUMP

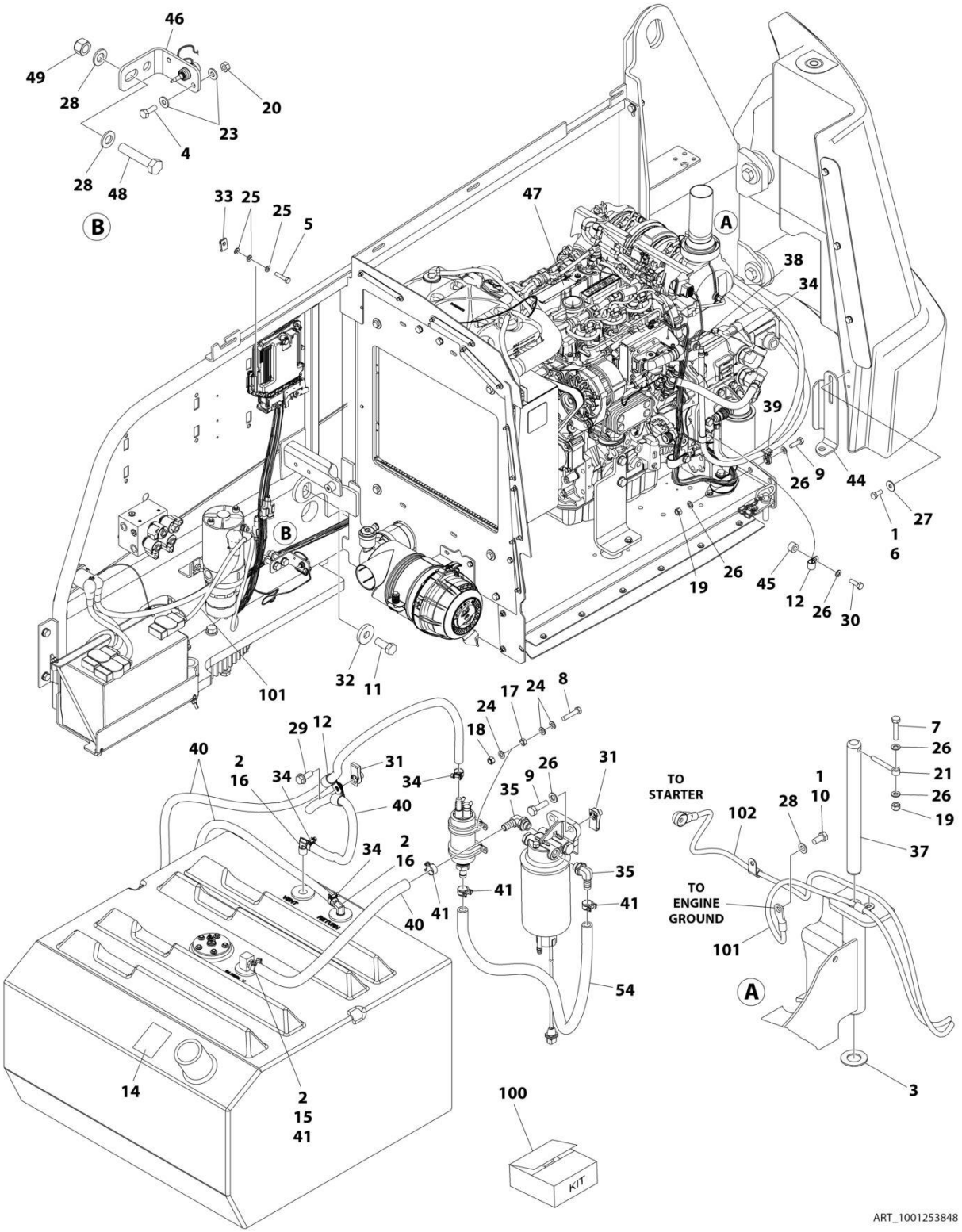


FIGURE 3-16. DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION - DANFOSS VARIABLE PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253848	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINE INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0641406	1	Bolt 1/4 x 3/4	
5	0700614	4	Bolt M6 x 30	
6	0701012	2	Bolt M10 x 25	
7	0711018	1	Bolt M10 x 50	
8	0760512	4	Bolt M5 x 25	
9	0761015	3	Bolt M10 x 35	
10	0771212	1	Bolt M12 x 25	
11	0772018	1	Bolt M20 x 50	
12	1320061	3	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	2180832	1	Fitting, Straight Barbed	
16	2220313	2	Fitting, 90 NPTF/Barb	
17	3290501	4	Nut M5	
18	3290505	4	Nut M5	
19	3291005	2	Nut M10	
20	3311405	1	Nut 1/4	
21	3841143	1	Keeper, Pin	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4711400	2	Washer 1/4	
24	4811600	12	Washer M5	
25	4811700	12	Washer M6	
26	4812000	7	Washer M10	
27	4812002	2	Washer M10	
28	4812100	5	Washer M12	
29	5251012	1	Bolt M10 x 25	
30	0761014	1	Bolt M10 x 30	
31	1001118972	3	Nut, Tinnerman M10	
32	1001119051	1	Washer	
33	1001130220	4	Nut, Tinnerman M6	
34	1001136975	5	Clamp	
35	1001142501	2	Fitting, 90 Barbed	
36	1001146588	1	Tie-Strap (Not Shown)	
37	1001155094	1	Pin	
38	1001155823	1	Fitting, 90 Quick Connect	
39	1001156107	1	Holder, Cable	
40	1001165035	27 ft/ 8.3m	Hose	
41	8405006	4	Clip	
43	1001190444	1	Fuel Pump Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
44	1001196398	1	Bracket	
45	1001220266	1	Spacer	
46	1001253879	1	Bracket	
47	1001253847	1	Deutz TD2.2L3 (Stage V) Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
48	0701220	2	Bolt M12 x 60	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	3291205	2	Nut M12	
54	1001154405	2.8 ft/ 0.8m	Hose	
100	1001235532	1	Battery Cable Kit (Includes Items 101 & 102)	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	
200	1001269919	1	Hose Kit (Not Shown)	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-17. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP

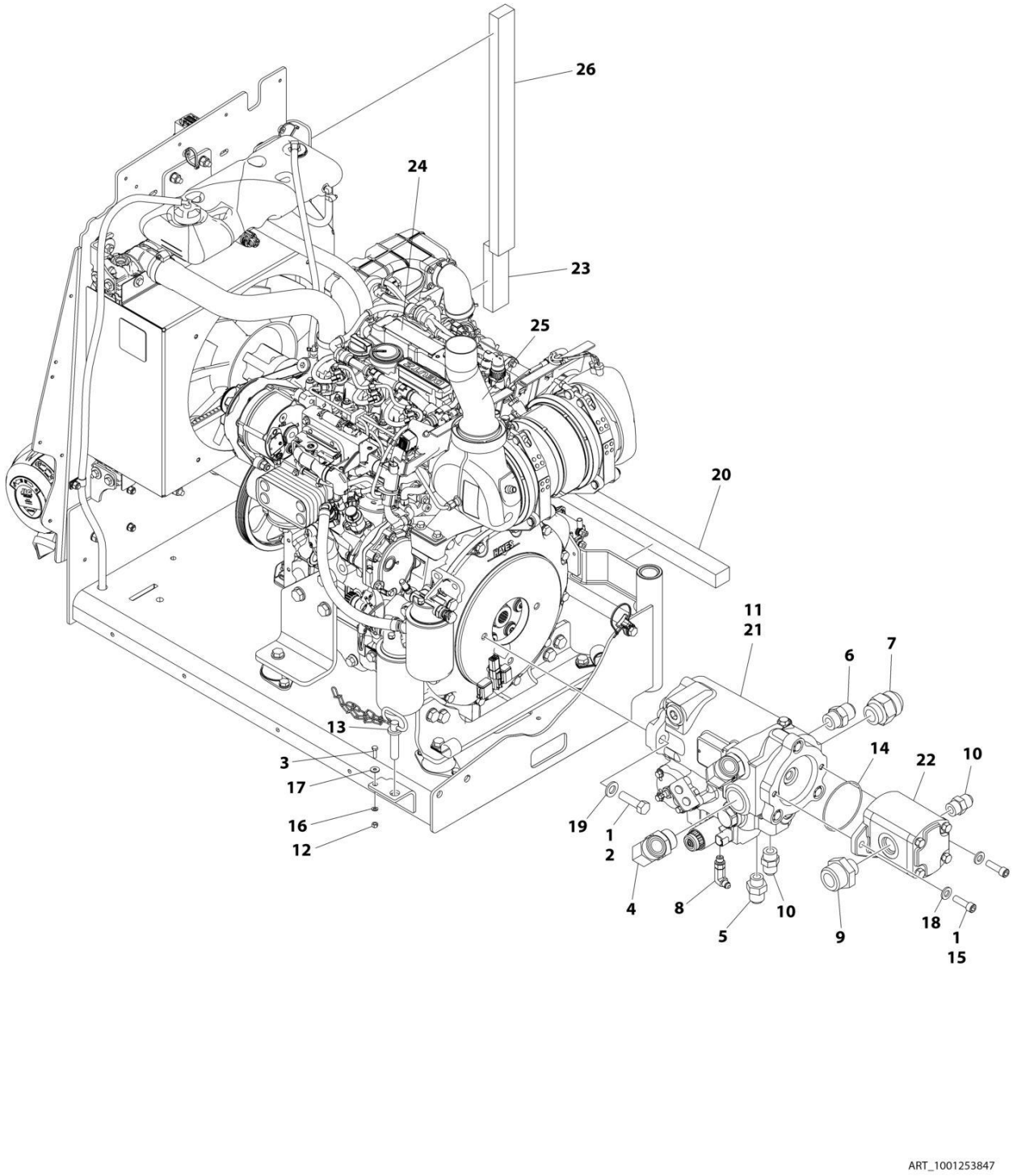
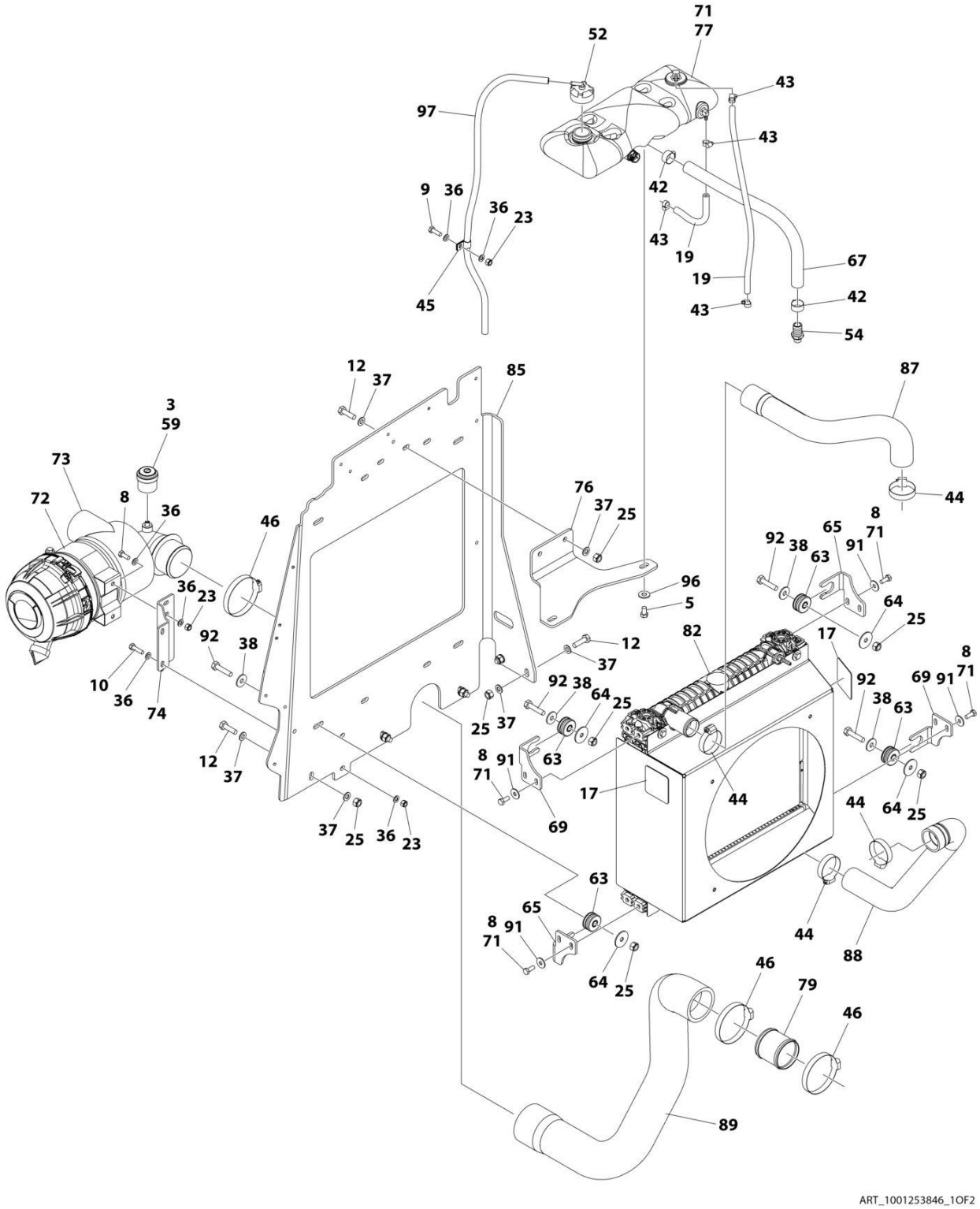


FIGURE 3-17. DEUTZ TD2.2L3 (STAGE V) ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253847	Ref	DEUTZ TD2.2L3 ENGINE AND PUMPS SUB-ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
11	3020037	AR	Lube, Coupling Grease	
12	3290605	1	Nut M6	
13	3422532	1	Pin	
14	3790152	1	O-Ring	
15	3931618	2	Capscrew 3/8 x 1-1/8	
16	4811700	1	Washer M6	
17	4811702	1	Washer M6	
18	5241000	2	Washer M10	
19	5241200	2	Washer M12	
20	1001171953	1	Seal	
21	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
22	1001190143	1	Gear Pump Assembly	
22	70006356	1	Seal Kit - 1001190143 Pump	
23	1001244508	1	Seal	
24	1001253846	1	Deutz TD2.2L3 Engine Assembly (See Separate Breakdown in this Section)	
25	1001253906	1	Pipe, Exhaust	
26	1001254279	1	Seal	

FIGURE 3-18. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY



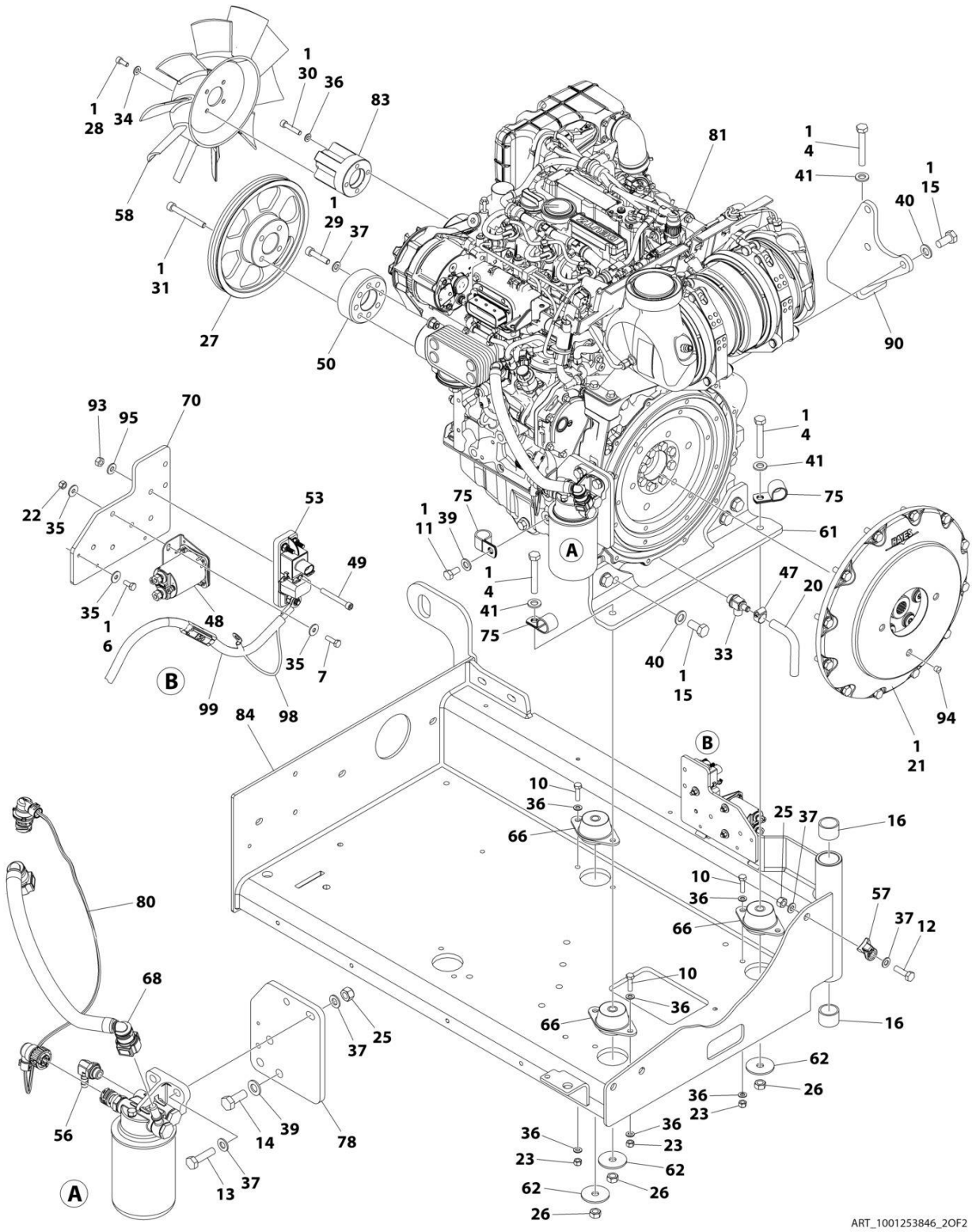

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FIGURE 3-18. DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253846	Ref	DEUTZ TD2.2L3 (STAGE V) ENGINE ASSEMBLY	J
1	0100011	AR	Compound, Locking	
3	0100020	AR	Sealant	
4	0711224	3	Bolt M12 x 80	
5	0681605	2	Bolt 3/8 x 5/8	
6	0760607	3	Bolt M6 x 14	
7	0760610	2	Bolt M6 x 20	
8	0760810	10	Bolt M8 x 20	
9	0760812	1	Bolt M8 x 25	
10	0760814	8	Bolt M8 x 30	
11	0761212	1	Bolt M12 x 25	
12	0761015	8	Bolt M10 x 35	
13	0761016	2	Bolt M10 x 40	
14	0761214	3	Bolt M12 x 30	
15	0771414	7	Bolt M14 x 30	
16	0961951	2	Bushing	
17	1703162	2	Decal - Fan Blade	
19	2720015	6 ft/1.83m	Hose	
20	2720340	6 in/ 1.52cm	Hose	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	2	Nut M6	
23	3290805	11	Nut M8	
25	3291005	14	Nut M10	
26	3331211	3	Nut M12	
27	1001260432	1	Pulley	
28	4031908	4	Bolt M8 x 20	
29	1001261045	4	Capscrew M10 x 45	
30	4031912	4	Bolt M8 x 40	
31	1001261085	4	Capscrew M10 x 85	
32	4240099	AR	Tie-Strap (Not Shown)	
33	4640751	1	Valve, Oil Drain	
34	4711500	4	Washer 5/16	
35	4811702	7	Washer M6	
36	4811900	26	Washer M8	
37	4812000	24	Washer M10	
38	4812002	4	Washer M10	
39	4812100	4	Washer M12	
40	4812200	7	Washer M14	
41	5241200	3	Washer M12	
42	8405007	2	Clamp	
43	8405009	4	Clamp	
44	8405104	4	Clamp	
45	8406109	1	Clip	
46	8410011	3	Clamp	
47	8410013	1	Clamp	
48	1001117308	1	Contactor	
49	3931432	1	Bolt 1/4 x 20	
50	1001258800	1	Adapter	
52	1001136834	1	Cap, Tank	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	1001138228	1	Relay	
54	1001143797	1	Fitting, Straight Barbed	
55	1001146588	5	Tie-Strap (Not Shown)	
56	1001152489	1	Fitting, 90 Barbed	
57	1001156107	1	Holder, Cable	
58	1001165849	1	Fan	
59	1001166716	1	Restriction, Indicator	
61	1001166924	1	Bracket, Engine - Rear	
62	1001168018	3	Washer	
63	1001169054	4	Isolator	
64	1001169138	4	Pad, Snubbing	
65	1001204325	2	Bracket	
66	1001166718	3	Isolator	
67	1001176511	1	Hose	
68	1001177359	1	Hose	
69	1001178223	2	Bracket	
70	1001179903	1	Bracket	
71	1001180620	AR	Adhesive	
72	1001186426	1	Clamp	
73	1001189979	1	Filter, Air Cleaner	
73	70005008	1	Element, Filter	
74	1001190942	1	Support	
75	1001191620	3	Clamp	
76	1001192400	1	Bracket	
77	1001230635	1	Tank, Surge	
77	1001134488	1	Fitting, 90 Barbed	
77	1001138827	1	Sensor, Coolant Level	
77	1001140564	1	Fitting, 90 Barbed	
78	1001258804	1	Mount, Fuel Filter	
79	1001238911	1	Pipe	
80	1001245913	1	Harness, Fuel Filter (Deutz TD2.2L3 (Stage V) Engine) (See Separate Breakdown in ELECTRICAL Section)	
81	1001246012	1	Deutz TD2.2L3 (Stage V) Engine (See Separate Breakdown in this Section)	
82	1001256930	1	Radiator	
83	1001248608	1	Adapter	
84	1001248817	1	Support, Engine Tray	
85	1001248819	1	Plate	
86	1001253798	1	Engine Harness - Deutz TD2.2L3 (Stage V) Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
87	1001253849	1	Hose, Radiator (Top)	
88	1001253863	1	Hose, Radiator (Bottom)	
89	1001253870	1	Hose	
90	1001254878	1	Bracket, Engine - Right	
91	4811902	8	Washer	
92	0701017	4	Bolt M10 x 25	
93	3311405	1	Nut 1/4	
94	3520054	1	Plug	
95	4711400	1	Washer 1/4	
96	4751600	2	Washer 3/8	
97	1001138248	3.6 ft/1.1m	Tube Nylon	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
98	1001141304	1	Wire, Glow Plug Fuse	
99	1001143907	1	Cable	

FIGURE 3-19. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS

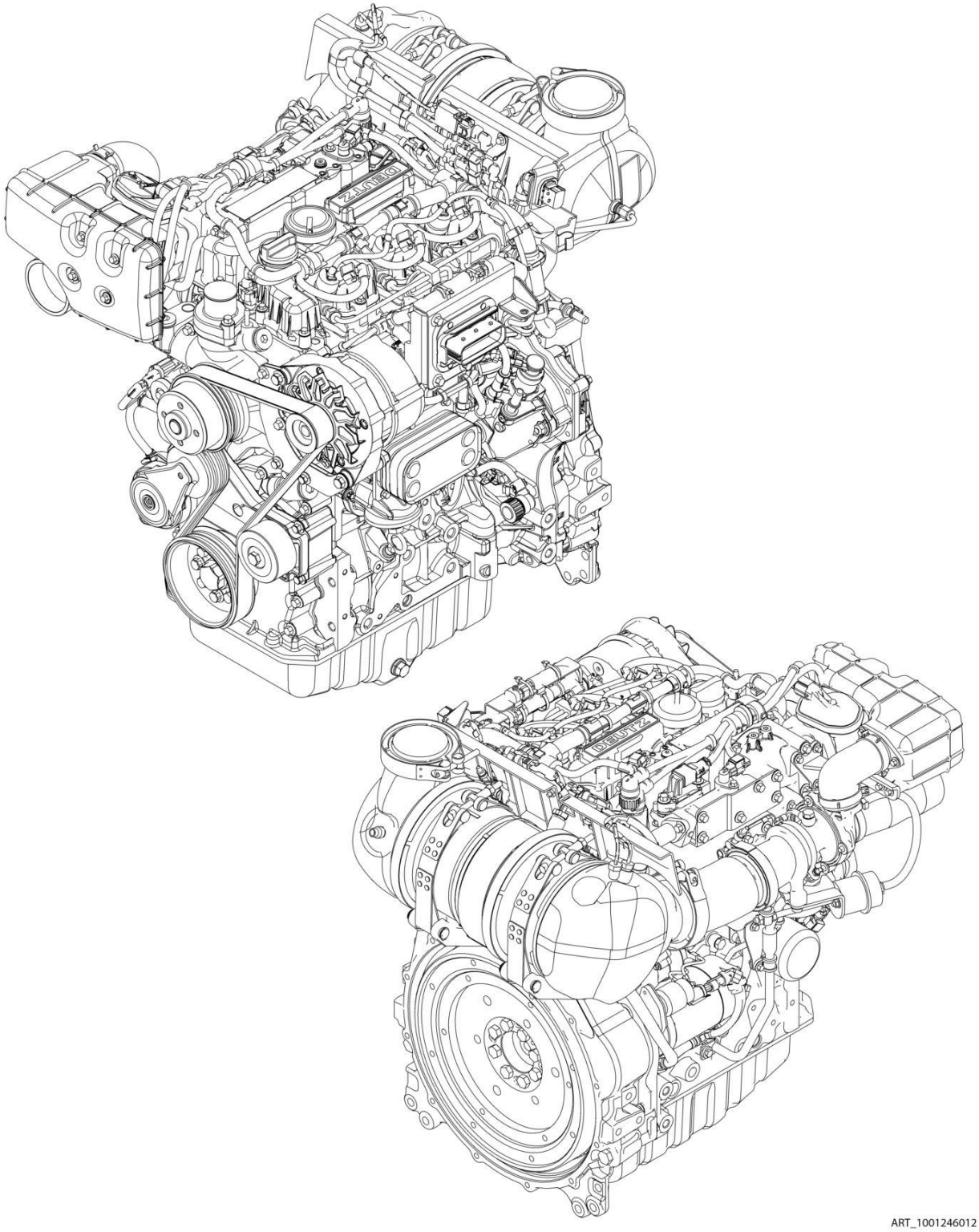


FIGURE 3-19. DEUTZ TD2.2L3 (STAGE V) ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001246012	Ref	DEUTZ ENGINE COMPONENTS	C
		Ref	Note: For complete list of parts, contact JLG Parts Department	
		Ref	Air Intake System Components	
		Ref	Turbocharger	
		Ref	Cooling System Components	
		Ref	Pump, Coolant (Includes Gasket & Seals)	
	70007603	1	Thermostat	
	70005184	1	O-Ring	
	70005931	1	Gasket	
	70025142	1	Cover	
		Ref	Electrical System Components	
	70029512	1	Module, ECU/ECM	
	70006652	1	Generator (Includes Controller, Fan & Hardware)	
	70124507	1	Starter (Includes Solenoid & Relay)	
	70005648	1	Relay, Starter	
	70026210	1	Sender, Tacho-Generator (Speed) (On Rear of Block & Cover) (Includes Seal)	
	70024922	1	Sender, Temperature (Includes Seal) (On Air Intake Manifold)	
	70024507	1	Sensor, Pressure (Includes Seal) (On Air Intake Manifold)	
	70024504	1	Sensor, Pressure (Includes Seal) (On Fuel Filter & Side of Block)	
		Ref	Sensor, Pressure (Includes Seal) (On Exhaust Manifold)	
		Ref	Sensor, Temperature (Includes Seal) (On Exhaust Manifold)	
		Ref	Plug, Glow	
		Ref	Exhaust System Components	
		Ref	Valve, EGR	
	70025130	8	Bolt, Exhaust Manifold	
		Ref	Gasket, Exhaust Manifold	
		Ref	Outlet, Muffler	
		Ref	Muffler	
		Ref	Bracket, Muffler Mounting	
		Ref	Compensator, Exhaust	
		Ref	Fuel System Components	
	70024924	1	Pump, High Pressure	
	70025181	4	Injector (Includes Sealing washer, Clamp & O-Ring)	
	70006144	1	Pump, Fuel Supply (Includes Clamps)	
	70024961	1	Filter, Fuel (Pre-Filter Assembly) (Includes Head, Spin on filter, Sensor Cable & Seal)	
	70025153	1	Filter, Fuel Spin On	
	70024513	1	Sensor Cable (Includes Seal)	
	70025160	1	Filter, Fuel (Assembly) (Includes Head & Spin on Filter)	
	70025161	1	Filter, Fuel Spin On	
	70004508	1	Vol. Control Valve (Includes O-Ring & Gasket)	
		Ref	Lubricating System Components	
	7020465	2	Cap, Oil Fill	
	70005941	2	Plug, Oil Drain	
	70005942	2	Seal, Oil Drain Plug	
		Ref	Pump, Oil (Includes Seal & Gasket)	
	7016331	1	Filter, Oil	
	70123584	1	Cooler, Oil	
		Ref	Dipstick (Includes Seal)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Mechanical Components	
		Ref	Flywheel (includes Gear)	
	70004277	1	V-Belt	
	70025477	1	Belt Tensioner	

FIGURE 3-20. DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

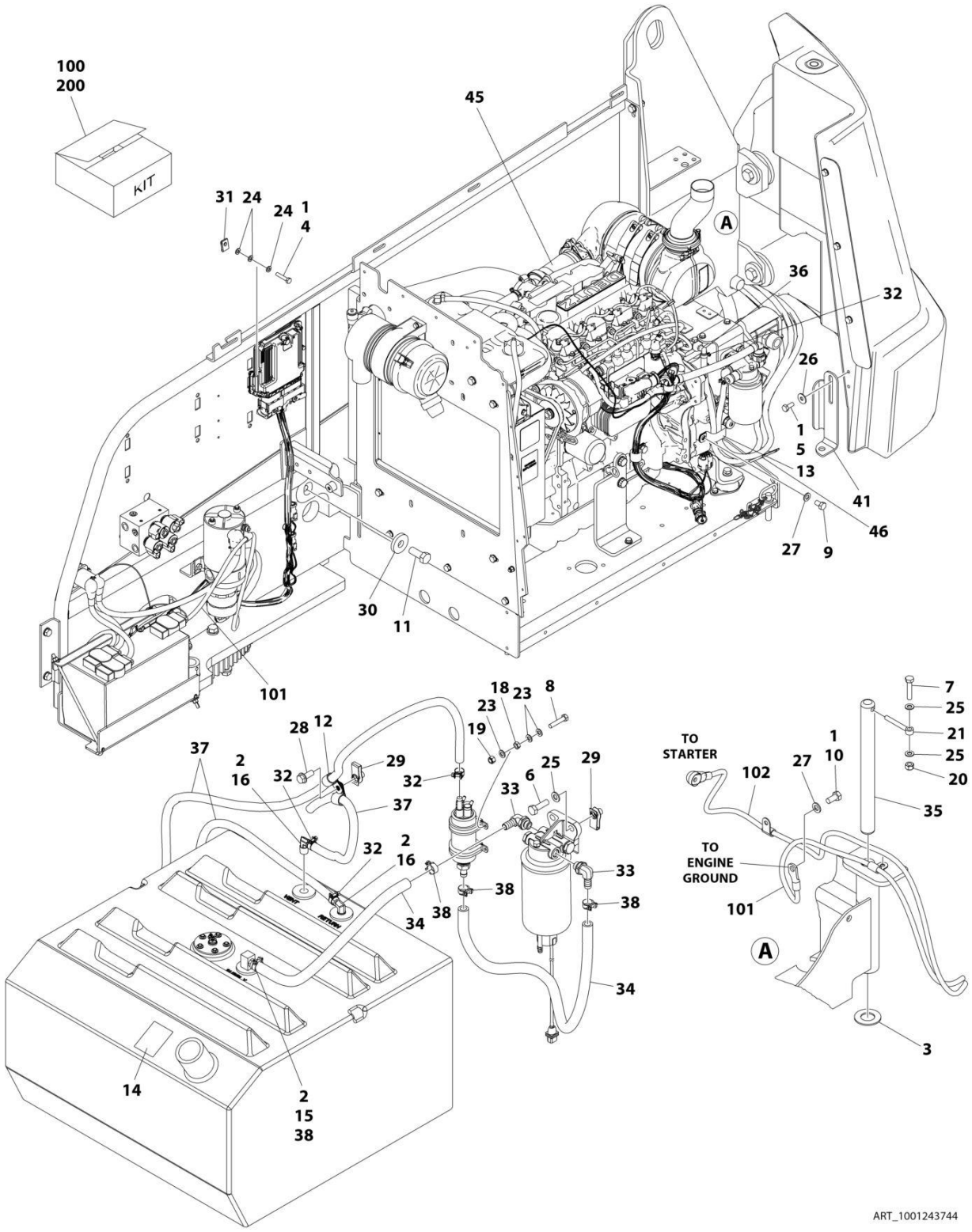


FIGURE 3-20. DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243744	Ref	DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	0701012	2	Bolt M10 x 25	
6	0701015	2	Bolt M10 x 35	
7	0711018	1	Bolt M10 x 50	
8	0760512	4	Bolt M5 x 25	
9	0761210	1	Bolt M12 x 20	
10	0771212	1	Bolt M12 x 25	
11	0772018	1	Bolt M20 x 50	
12	1320061	2	Clamp	
13	1001195039	1	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	2180832	1	Fitting, Straight Barbed	
16	2220313	2	Fitting, 90 NPTF/Barb	
18	3290501	4	Nut M5	
19	3290505	4	Nut M5	
20	3291005	1	Nut M10	
21	3841143	1	Keeper, Pin	
22	4240099	7	Tie-Strap (Not Shown)	
23	4811600	12	Washer M5	
24	4811700	12	Washer M6	
25	4812000	4	Washer M10	
26	4812002	2	Washer M10	
27	4812100	2	Washer M12	
28	5251012	1	Bolt M10 x 25	
29	1001118972	3	Nut, Tinnerman M10	
30	1001119051	1	Washer	
31	1001130220	4	Nut, Tinnerman M6	
32	1001136975	5	Clamp	
33	1001142501	2	Fitting, 90 Barbed	
34	1001154405	34 in/ 86.4cm	Hose	
35	1001155094	1	Pin	
36	1001155823	1	Fitting, 90 Quick Connect	
37	1001165035	27 ft/ 8.3m	Hose	
38	1001175568	4	Clip	
39	1001190444	1	Fuel Pump Harness - Deutz D2.9L4 - 49HP and Deutz TD2.9L4 - 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
41	1001196398	1	Bracket	
45	1001243743	1	Deutz D2.9L4 - 49HP Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
46	4061032	1	Shield	
100	1001235532	1	Battery Cable Kit	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-21. DEUTZ D2.9L4 - 49HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

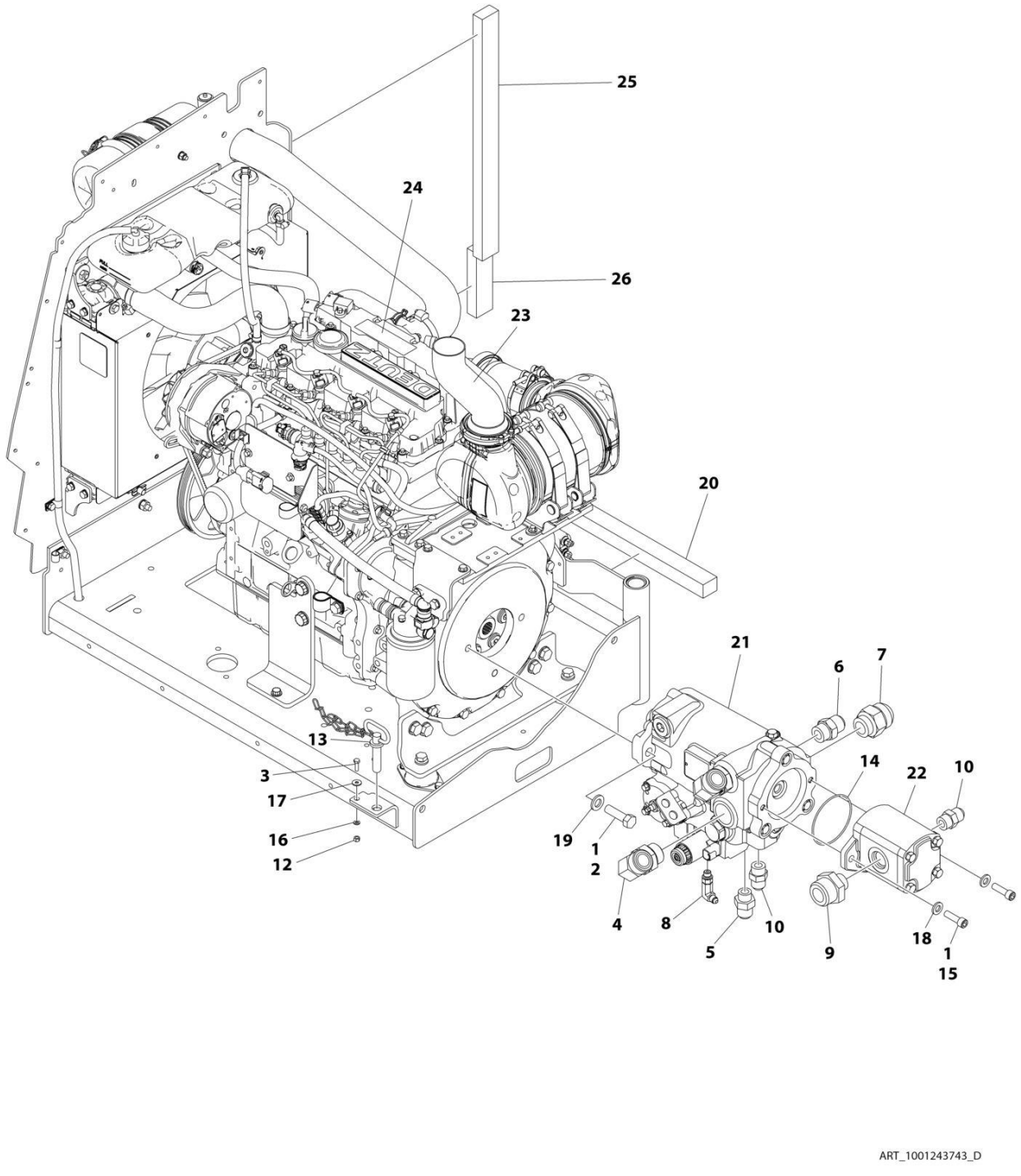
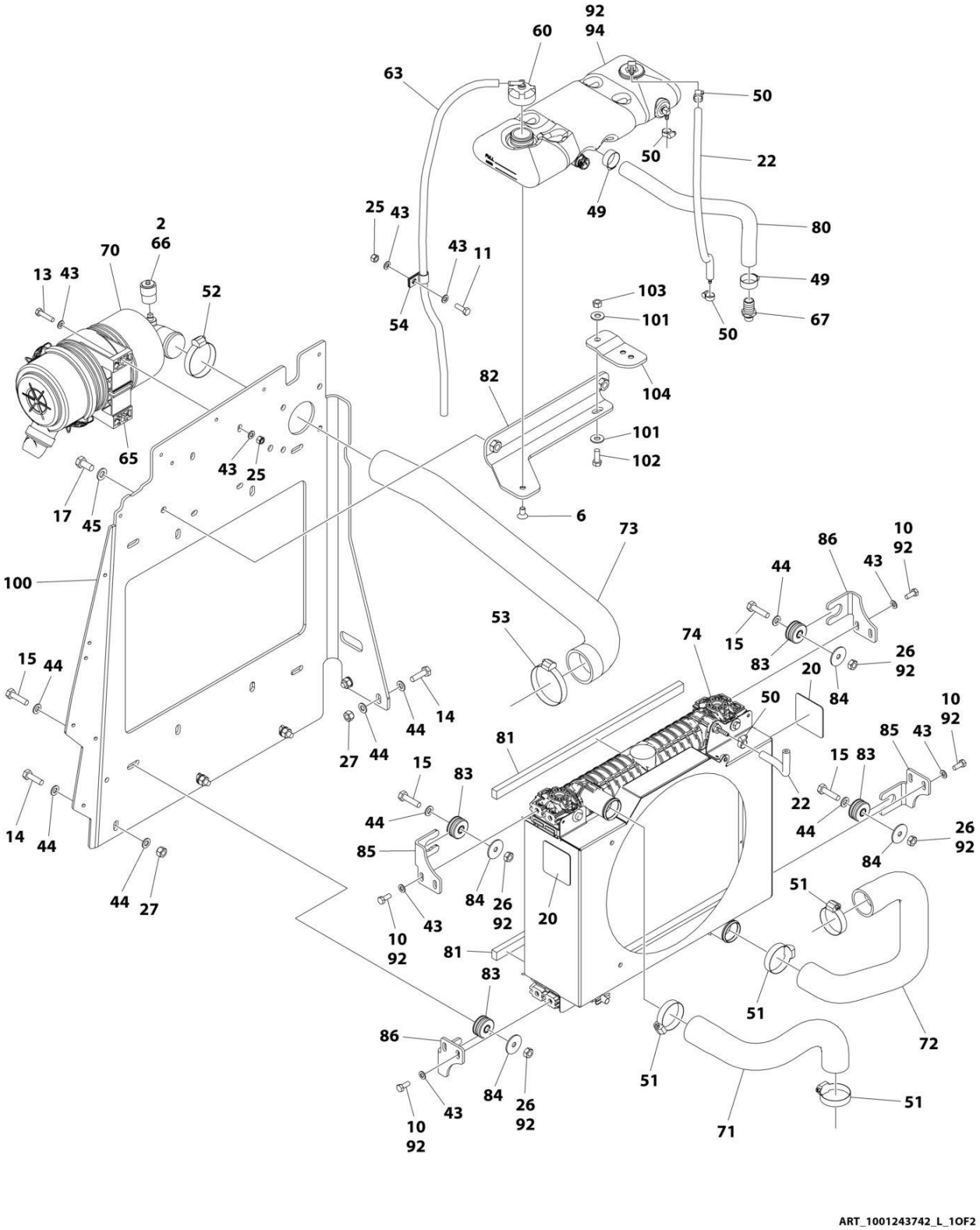


FIGURE 3-21. DEUTZ D2.9L4 - 49HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243743	Ref	DEUTZ D2.9L4 – 49HP ENGINE AND PUMPS SUB-ASSEMBLY	D
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
12	3290605	1	Nut M6	
13	3422532	1	Pin	
14	3790152	1	O-Ring	
15	3931618	2	Capscrew 3/8 x 1-1/8	
16	4811700	1	Washer M6	
17	4811702	1	Washer M6	
18	5241000	2	Washer M10	
19	5241200	2	Washer M12	
20	1001171953	1	Seal	
21	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
22	1001190143	1	Gear Pump Assembly	
22	70006356	1	Seal Kit - 1001190143 Pump	
23	1001241366	1	Pipe, Exhaust	
24	1001243742	1	Deutz D2.9L4 – 49HP Engine Assembly (See Separate Breakdown in this Section)	
25	1001254279	1	Seal	
26	1001244508	1	Seal	

FIGURE 3-22. DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE



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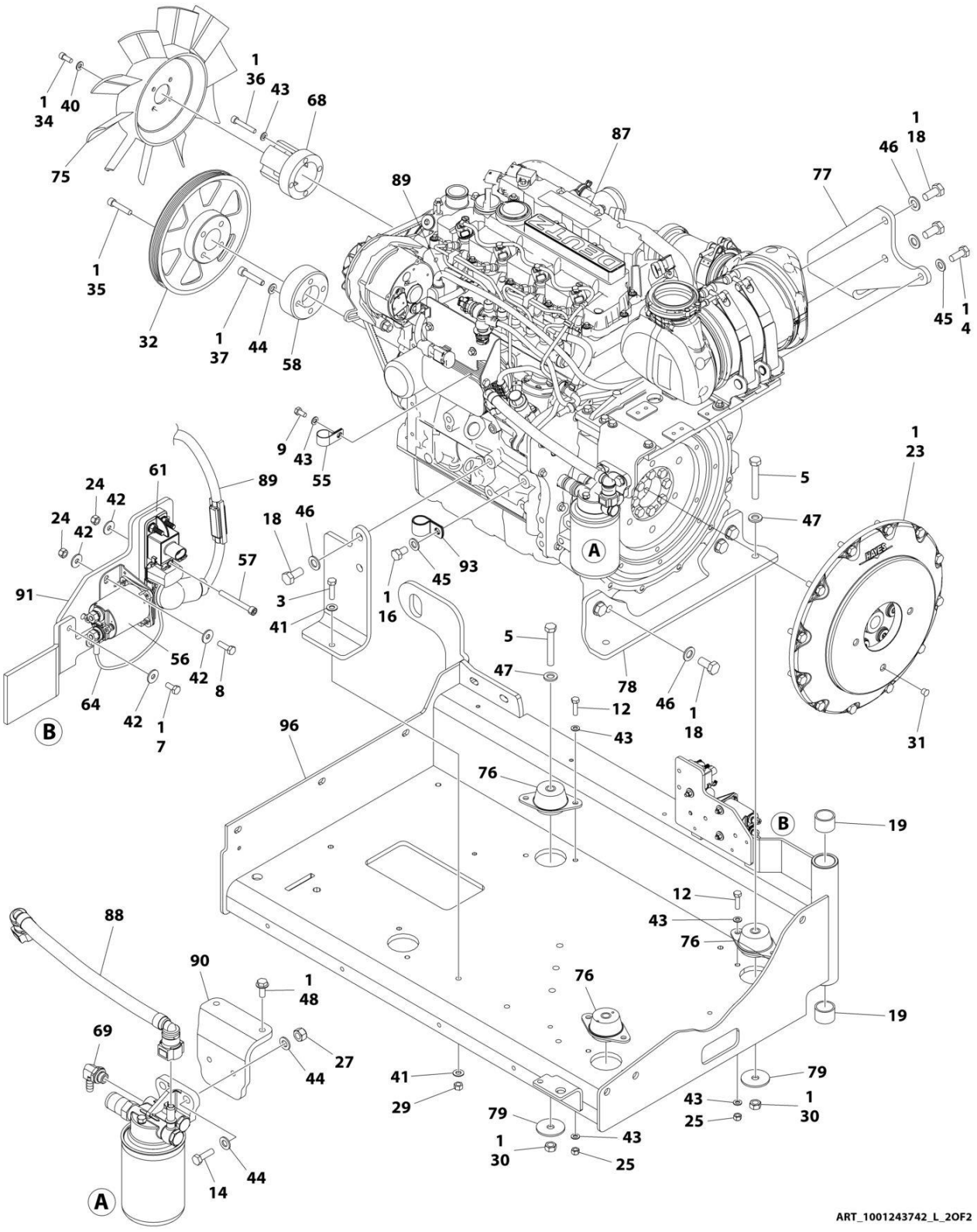

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ART_1001243742_L_2OF2

FIGURE 3-22. DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243742	Ref	DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY	L
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0641611	1	Bolt 3/8 x 1-3/8	
4	0711214	1	Bolt M12 x 30	
5	0711224	3	Bolt M12 x 80	
6	0741606	2	Screw 3/8 x 7/8	
7	0760607	3	Bolt M6 x 14	
8	0760610	2	Bolt M6 x 20	
9	0760808	1	Bolt M8 x 16	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	AR	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761015	7	Bolt M10 x 35	
15	0761016	4	Bolt M10 x 40	
16	0761210	1	Bolt M12 x 20	
17	0761212	2	Bolt M12 x 25	
18	0771414	8	Bolt M14 x 30	
19	0961951	2	Bushing	
20	1703162	2	Decal - Fan Blade	
22	2720015	AR	Hose	
23	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
24	3290605	3	Nut M6	
25	3290805	9	Nut M8	
26	3291001	4	Nut M10	
27	3291005	7	Nut M10	
29	3311601	1	Nut 3/8	
30	3331211	1	Nut M12	
31	3520054	1	Plug	
32	3580320	1	Pulley	
34	3931512	4	Capscrew 5/16 x 3/4	
35	3931628	4	Capscrew 3/8 x 1-3/4	
36	4031914	4	Capscrew M8 x 50	
37	4032014	4	Capscrew M10 x 50	
38	4240099	AR	Tie-Strap (Not Shown)	
40	4711500	4	Washer 5/16	
41	4711600	2	Washer 3/8	
42	4811702	8	Washer M6	
43	4811900	31	Washer M8	
44	4812000	22	Washer M10	
45	4812100	4	Washer M12	
46	4812200	8	Washer M14	
47	5241200	3	Washer M12	
48	5250810	2	Bolt M8 x 20	
49	8405007	2	Clamp	
50	8405009	4	Clamp	
51	8405104	4	Clamp	
52	8405202	1	Clamp	
53	8405204	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8406109	1	Clip	
55	8406201	1	Clip	
56	1001117308	1	Contactor	
57	1001118878	1	Bolt M6 x 55	
58	1001135679	1	Adapter	
60	1001136834	1	Cap, Tank	
61	1001138228	1	Relay	
63	1001138248	3.5 ft/ 1.067m	Tube	
64	1001141304	1	Harness, Glow Fuse	
65	1001141694	1	Clamp	
66	1001143390	1	Indicator, Air Filter Service	
67	1001143797	1	Fitting, Straight Barbed	
68	1001144116	1	Adapter	
69	1001152489	1	Fitting, 90 Barbed	
70	1001165388	1	Filter, Air Cleaner	
70	70003783	1	Element, Filter	
71	1001165405	1	Hose, Radiator (Top)	
72	1001165406	1	Hose, Radiator (Bottom)	
73	1001165721	1	Hose	
74	1001165722	1	Radiator	
75	1001165849	1	Fan	
76	1001166718	3	Isolator	
77	1001166921	1	Bracket, Engine - Right	
78	1001166924	1	Bracket, Engine - Rear	
79	1001168018	3	Washer	
80	1001168099	1	Hose	
81	1001168166	2	Seal	
82	1001260420	1	Bracket	
83	1001169054	4	Isolator	
84	1001169138	4	Pad, Snubbing	
85	1001169967	2	Bracket	
86	1001170035	2	Bracket	
87	1001249965	1	Deutz D2.9L4-49HP Engine (See Separate Breakdown in this Section)	
88	1001177359	1	Hose	
89	1001178788	1	Cable, Alternator Power	
90	1001178876	1	Mount, Fuel Filter	
91	1001179903	1	Bracket	
92	1001180620	AR	Adhesive	
93	1001191620	1	Clamp	
94	1001230635	1	Tank, Surge	
94	1001134488	1	Fitting, 90 Barbed	
94	1001138827	1	Sensor, Coolant Level	
94	1001140564	1	Fitting, 90 Barbed	
95	1001233895	1	Engine Harness - Deutz D2.9L4 – 49HP and Deutz TD2.9L4 – 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
96	1001243656	1	Support, Engine Tray	
100	1001243850	1	Support, Radiator	
101	4751600	2	Washer 3/8	
102	0681608	1	Bolt 3/8 x 1	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	3311605	1	Nut 3/8	
104	1001260412	1	Bracket	

FIGURE 3-23. DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

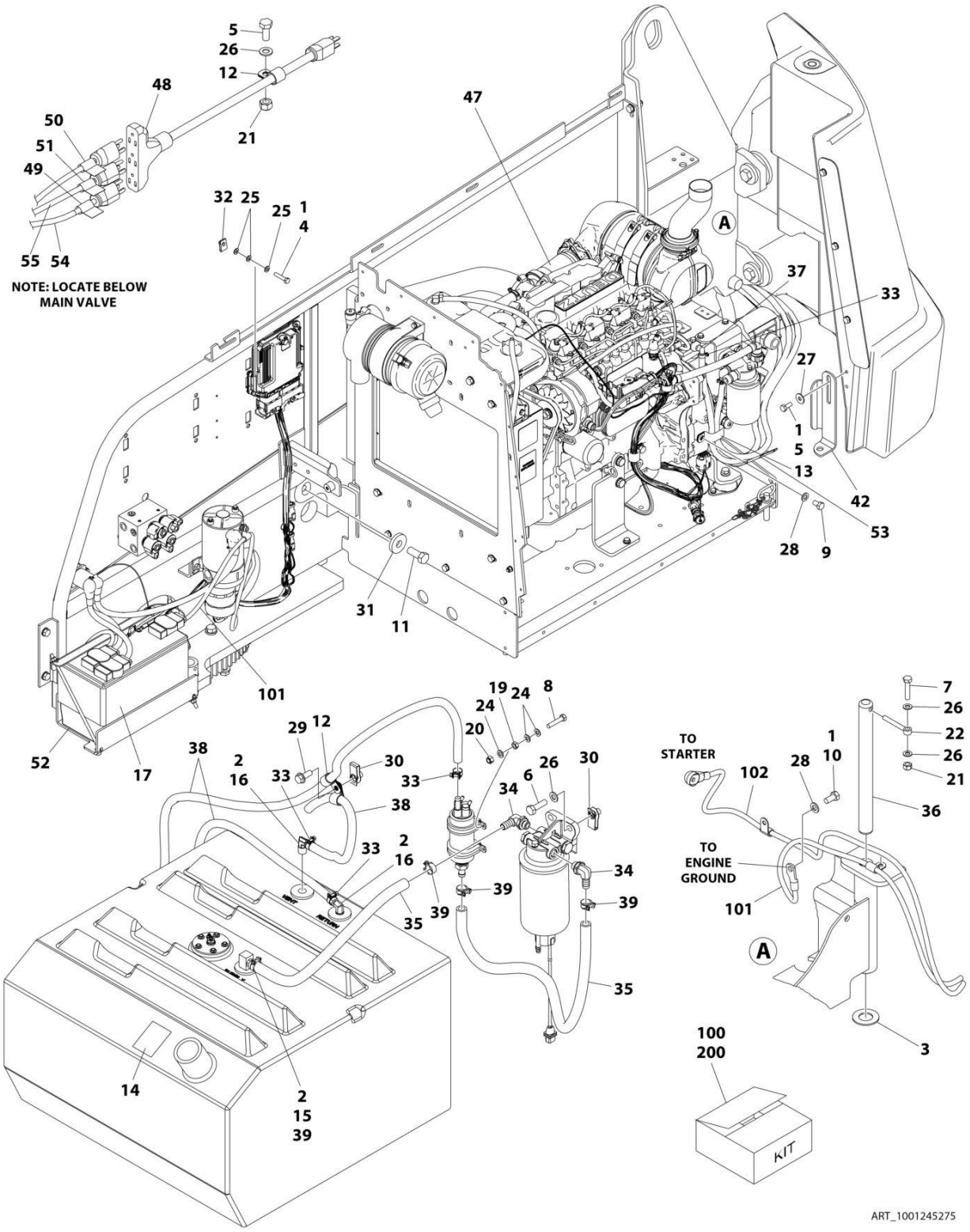


FIGURE 3-23. DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245275	Ref	DEUTZ D2.9L4 - 49HP ENGINE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	0701012	3	Bolt M10 x 25	
6	0701015	2	Bolt M10 x 35	
7	0711018	1	Bolt M10 x 50	
8	0760512	4	Bolt M5 x 25	
9	0761210	1	Bolt M12 x 20	
10	0771212	1	Bolt M12 x 25	
11	0772018	1	Bolt M20 x 50	
12	1320061	3	Clamp	
13	1001195039	1	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	2180832	1	Fitting, Straight Barbed	
16	2220313	2	Fitting, 90 NPTF/Barb	
17	2580024	1	Heater, Battery	
19	3290501	4	Nut M5	
20	3290505	4	Nut M5	
21	3291005	2	Nut M10	
22	3841143	1	Keeper, Pin	
23	4240099	7	Tie-Strap (Not Shown)	
24	4811600	12	Washer M5	
25	4811700	12	Washer M6	
26	4812000	5	Washer M10	
27	4812002	2	Washer M10	
28	4812100	2	Washer M12	
29	5251012	1	Bolt M10 x 25	
30	1001118972	3	Nut, Tinnerman M10	
31	1001119051	1	Washer	
32	1001130220	4	Nut, Tinnerman M6	
33	1001136975	5	Clamp	
34	1001142501	2	Fitting, 90 Barbed	
35	1001154405	34 in/ 86.36cm	Hose	
36	1001155094	1	Pin	
37	1001155823	1	Fitting, 90 Quick Connect	
38	1001165035	27 ft/ 8.23m	Hose	
39	1001175568	4	Clip	
40	1001190444	1	Fuel Pump Harness - Deutz D2.9L4 – 49HP and Deutz TD2.9L4 – 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
42	1001196398	1	Bracket	
46	1001233763	1	Deutz Breather Heater Installation (Not Shown) (See Separate Breakdown in this Section)	
46	4240099	AR	Tie-Strap	
46	1001196634	1	Fuse 2amp	
46	1001232842	1	Heater, Deutz Breather Kit	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	2400060	1	Fuse, Holder	
47	1001245274	1	Deutz D2.9L4 – 49HP Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
48	1060626	1	Plug, 3 Way	
49	1702941	1	Decal - Battery Heater	
50	1702942	1	Decal - Engine Block Heater	
51	1702943	1	Decal - Hydraulic Tank Heater	
52	3980007	1	Seat, Battery	
53	4061032	1	Shield	
54	1001150918	1	Cable, Extension	
55	1001188972	1	Heater, Immersion	
100	1001235532	1	Battery Cable Kit	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-24. DEUTZ D2.9L4 - 49HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

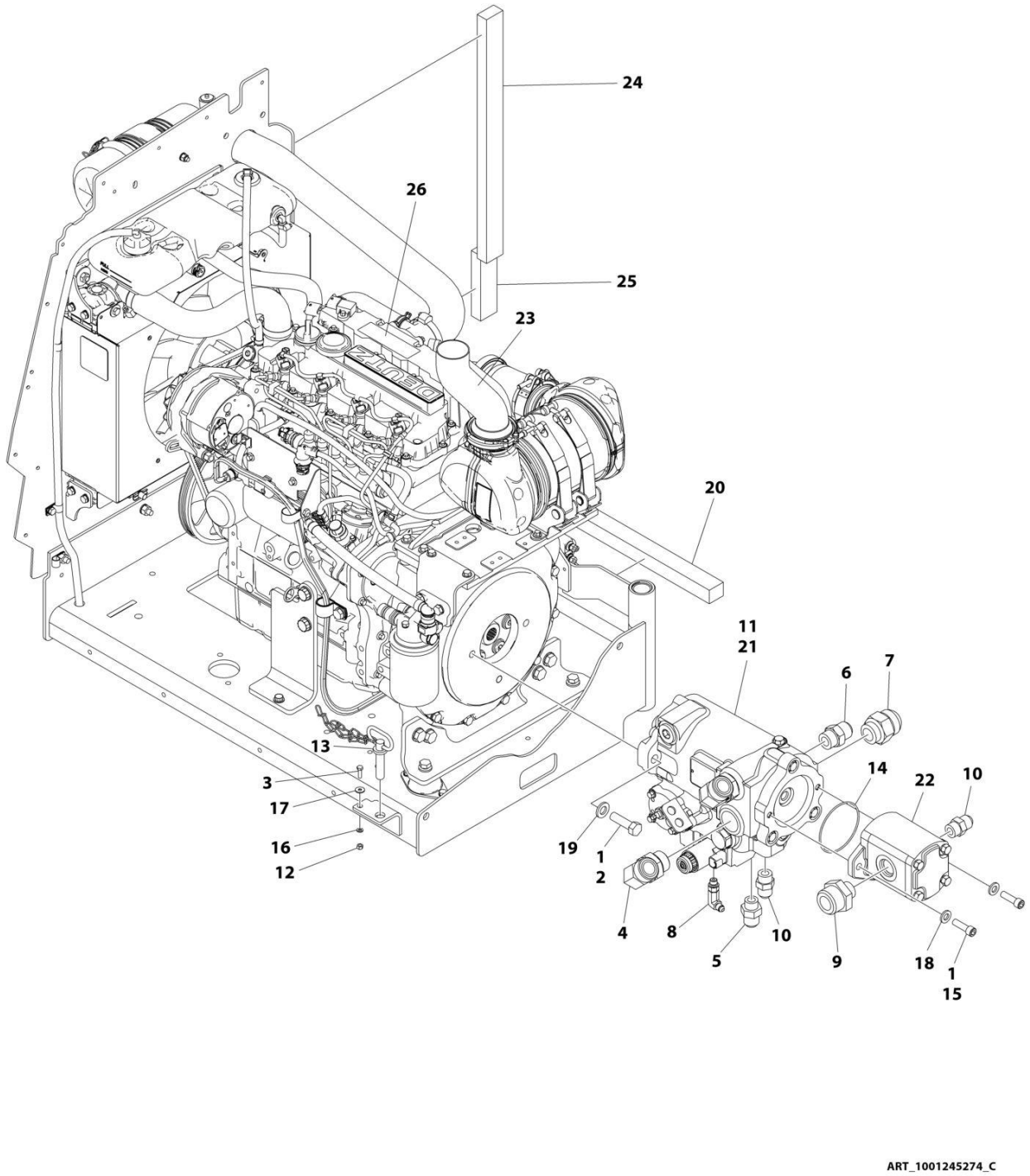
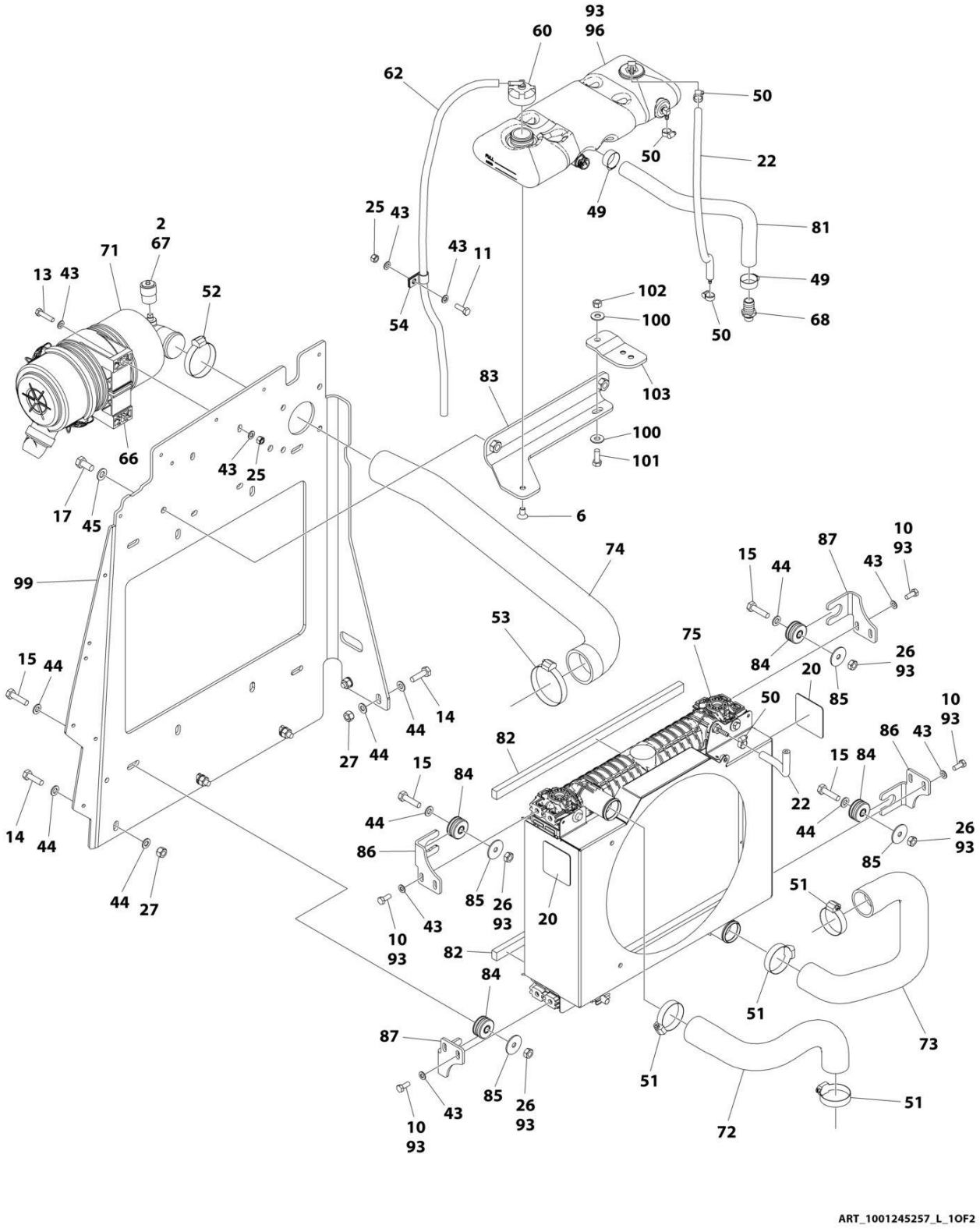


FIGURE 3-24. DEUTZ D2.9L4 - 49HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245274	Ref	DEUTZ D2.9L4 – 49HP ENGINE AND PUMPS SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
11	3020037	AR	Lube, Coupling Grease	
12	3290605	1	Nut M6	
13	3422532	1	Pin	
14	3790152	1	O-Ring	
15	3931618	2	Capscrew 3/8 x 1-1/8	
16	4811700	1	Washer M6	
17	4811702	1	Washer M6	
18	5241000	2	Washer M10	
19	5241200	2	Washer M12	
20	1001171953	1	Seal	
21	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
22	1001190143	1	Gear Pump Assembly	
22	70006356	1	Seal Kit - 1001190143 Pump	
23	1001241366	1	Pipe, Exhaust	
24	1001254279	1	Seal	
25	1001244508	1	Seal	
26	1001245257	1	Deutz D2.9L4 – 49HP Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-25. DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY - WITH ARCTIC PACKAGE



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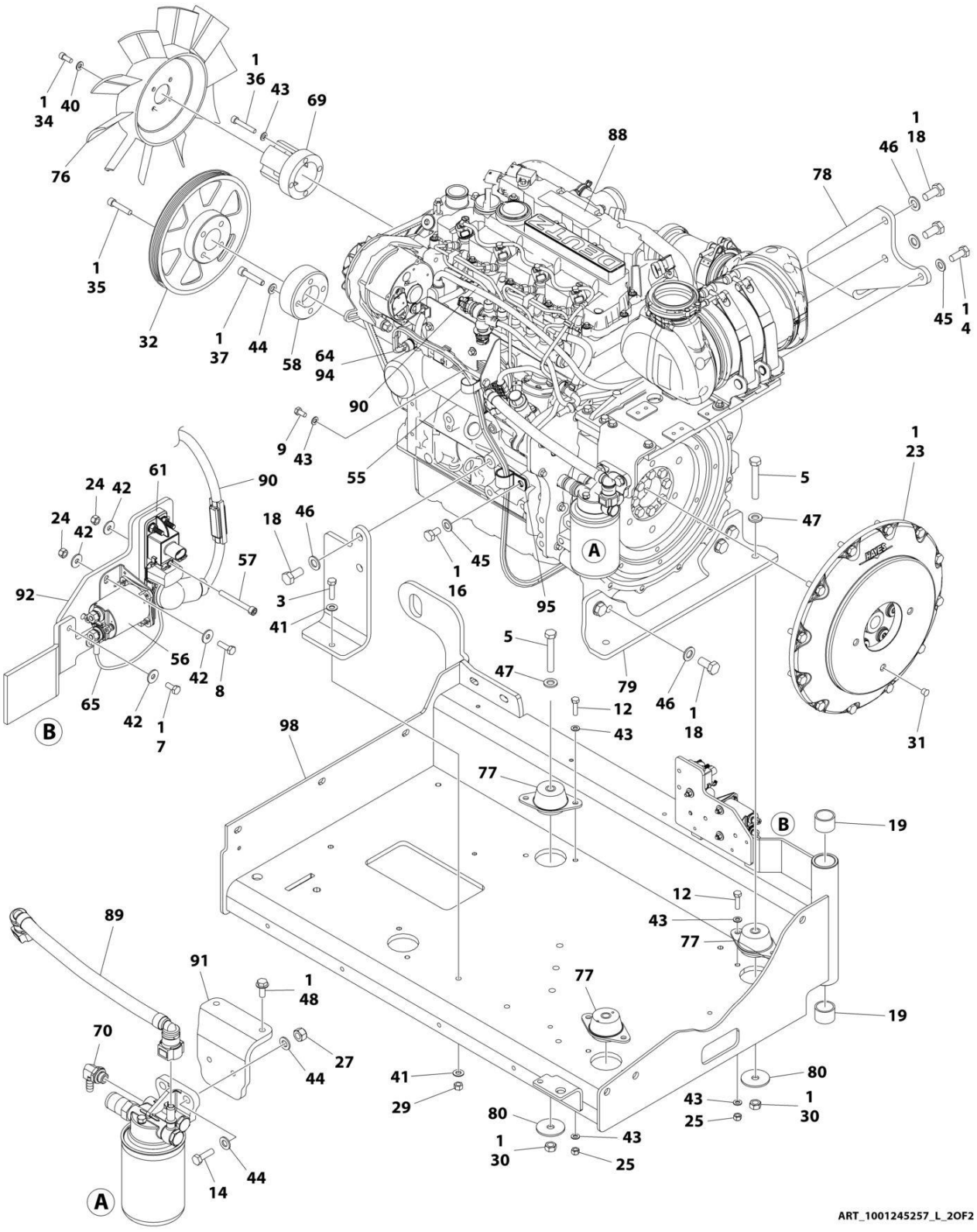

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ART_1001245257_L_2OF2

FIGURE 3-25. DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245257	Ref	DEUTZ D2.9L4 - 49HP ENGINE ASSEMBLY	L
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0641611	1	Bolt 3/8 x 1-3/8	
4	0711214	1	Bolt M12 x 30	
5	0711224	3	Bolt M12 x 80	
6	0741606	2	Screw 3/8 x 7/8	
7	0760607	3	Bolt M6 x 14	
8	0760610	2	Bolt M6 x 20	
9	0760808	1	Bolt M8 x 16	
10	0760810	8	Bolt M8 x 20	
11	0760812	1	Bolt M8 x 25	
12	0760814	AR	Bolt M8 x 30	
13	0760815	2	Bolt M8 x 35	
14	0761015	7	Bolt M10 x 35	
15	0761016	4	Bolt M10 x 40	
16	0761210	1	Bolt M12 x 20	
17	0761212	2	Bolt M12 x 25	
18	0771414	8	Bolt M14 x 30	
19	0961951	2	Bushing	
20	1703162	2	Decal - Fan Blade	
22	2720015	AR	Hose	
23	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
24	3290605	3	Nut M6	
25	3290805	9	Nut M8	
26	3291001	4	Nut M10	
27	3291005	7	Nut M10	
29	3311601	1	Nut 3/8	
30	3331211	1	Nut M12	
31	3520054	1	Plug	
32	3580320	1	Pulley	
34	3931512	4	Capscrew 5/16 x 3/4	
35	3931628	4	Capscrew 3/8 x 1-3/4	
36	4031914	4	Capscrew M8 x 50	
37	4032014	4	Capscrew M10 x 50	
38	4240099	AR	Tie-Strap (Not Shown)	
40	4711500	4	Washer 5/16	
41	4711600	2	Washer 3/8	
42	4811702	8	Washer M6	
43	4811900	31	Washer M8	
44	4812000	22	Washer M10	
45	4812100	4	Washer M12	
46	4812200	8	Washer M14	
47	5241200	3	Washer M12	
48	5250810	2	Bolt M8 x 20	
49	8405007	2	Clamp	
50	8405009	4	Clamp	
51	8405104	4	Clamp	
52	8405202	1	Clamp	
53	8405204	1	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	8406109	1	Clip	
55	8406201	1	Clip	
56	1001117308	1	Contactor	
57	1001118878	1	Bolt M6 x 55	
58	1001135679	1	Adapter	
60	1001136834	1	Cap, Tank	
61	1001138228	1	Relay	
62	1001138248	3.5 ft/ 1.067m	Tube	
64	1001140312	1	Heater, Engine Block	
65	1001141304	1	Harness, Glow Fuse	
66	1001141694	1	Clamp	
67	1001143390	1	Indicator, Air Filter Service	
68	1001143797	1	Fitting, Straight Barbed	
69	1001144116	1	Adapter	
70	1001152489	1	Fitting, 90 Barbed	
71	1001165388	1	Filter, Air Cleaner	
71	70003783	1	Element, Filter	
72	1001165405	1	Hose, Radiator (Top)	
73	1001165406	1	Hose, Radiator (Bottom)	
74	1001165721	1	Hose	
75	1001165722	1	Radiator	
76	1001165849	1	Fan	
77	1001166718	3	Isolator	
78	1001166921	1	Bracket, Engine - Right	
79	1001166924	1	Bracket, Engine - Rear	
80	1001168018	3	Washer	
81	1001168099	1	Hose	
82	1001168166	2	Seal	
83	1001260420	1	Bracket	
84	1001169054	4	Isolator	
85	1001169138	4	Pad, Snubbing	
86	1001169967	2	Bracket	
87	1001170035	2	Bracket	
88	1001249965	1	Deutz D2.9L4 - 49HP Engine (See Separate Breakdown in this Section)	
89	1001177359	1	Hose	
90	1001178788	1	Cable, Alternator Power	
91	1001178876	1	Mount, Fuel Filter	
92	1001179903	1	Bracket	
93	1001180620	AR	Adhesive	
94	1001181895	AR	Adhesive	
95	1001191620	1	Clamp	
96	1001230635	1	Tank, Surge	
96	1001134488	1	Fitting, 90 Barbed (Part of Item 58)	
96	1001138827	1	Sensor, Coolant Level (Part of Item 58)	
96	1001140564	1	Fitting, 90 Barbed	
97	1001233895	1	Engine Harness - Deutz D2.9L4 – 49HP and Deutz TD2.9L4 – 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
98	1001243656	1	Support, Engine Tray	
99	1001243850	1	Support, Radiator	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	4751600	2	Washer 3/8	
101	0681608	1	Bolt 3/8 x 1	
102	3311605	1	Nut 3/8	
103	1001260412	1	Bracket	

FIGURE 3-26. DEUTZ D2.9L4 - 49HP ENGINE COMPONENTS

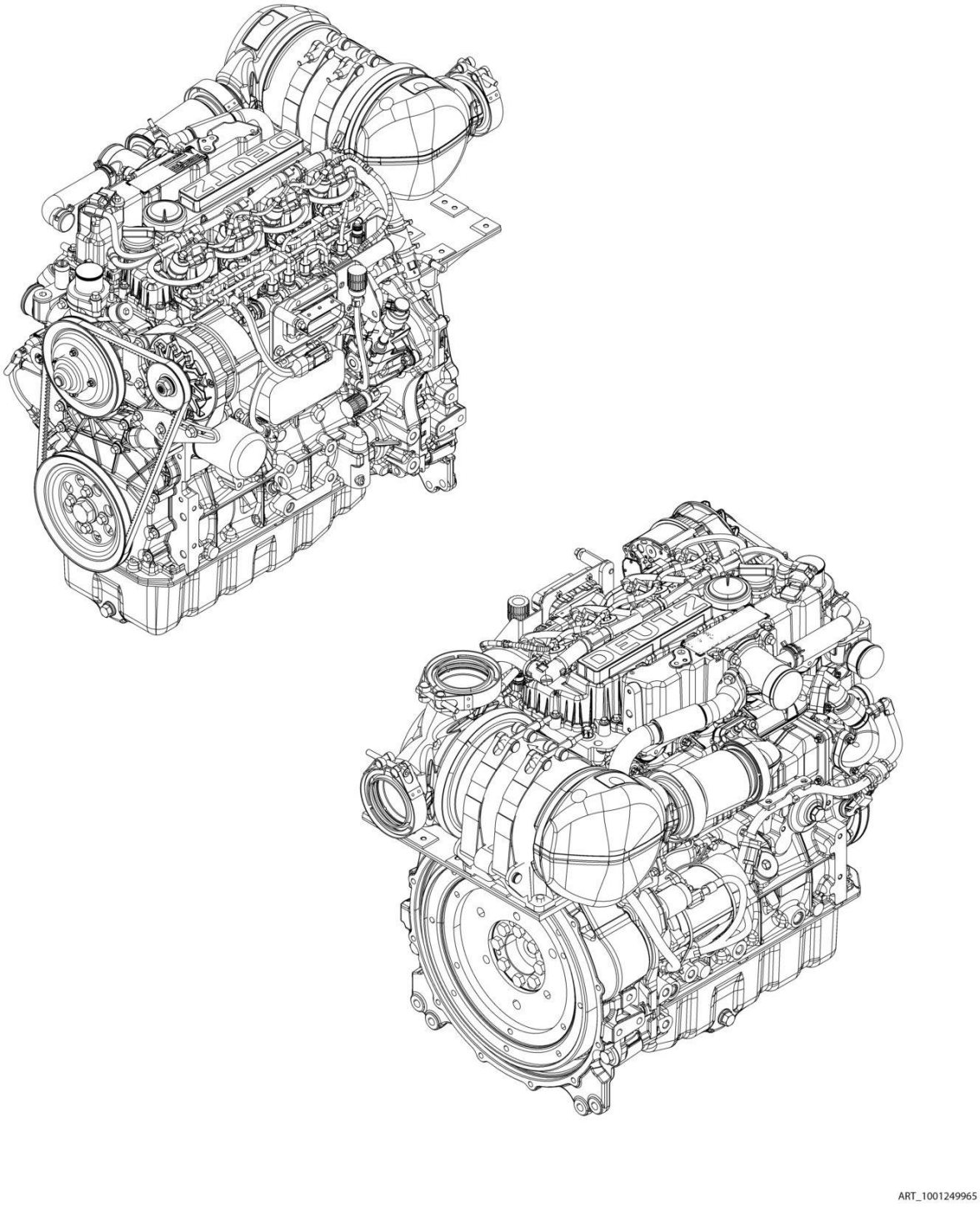


FIGURE 3-26. DEUTZ D2.9L4 - 49HP ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249965	Ref	DEUTZ D2.9L4 - EMR4 (49HP) ENGINE COMPONENTS	B
	See Note	Ref	Note: Contact JLG Customer Service for Availability of Additional Components.	
		Ref	Air Intake System	
	70005182	1	Charge Air Elbow	
	70005183	1	Breather Line	
		Ref	Cooling System Components	
	70030360	1	Pump, Coolant	
	70007603	1	Thermostat	
		Ref	Electrical Components	
	70025210	1	Module, Engine Control (ECM/ECU)	
	70024513	1	Harness, Fuel Filter Sensor	
	70024504	1	Sensor, Fuel Pressure	
	70006652	1	Generator	
	70024915	1	Starter	
	70025231	1	Harness, Glow Plug	
	70028540	1	Sensor, Temperature	
	70026210	1	Sensor, Speed	
	70024507	1	Sensor, Pressure (Air Intake)	
	70031145	4	Plug, Glow	
		Ref	Exhaust Components	
	70031136	1	Pipe, Exhaust	
	70004282	1	Exhaust Manifold	
		Ref	Fuel System Components	
	70030381	1	Pump, High Pressure	
	700004508	1	Valve, Volume Control	
	70004281	1	Injector, Fuel	
	70006144	1	Pump, Fuel Supply (Includes Qty 2 Mounting Clamps)	
	1001225430	1	Filter, Fuel (Pre-Filter) Assembly	
	70024961	1	Filter, Fuel	
	70025239	1	Seal	
	70024513	1	Cable, Sensor	
	70029451	1	Filter, Fuel	
		Ref	Gasket & Seal Components	
	70024905	1	Seal, Dipstick	
	70005942	2	Seal, Oil Plug	
	70024906	1	Gasket, Head	
	70005171	1	Gasket, Valve Cover	
	70002718	1	Seal, Rear Main	
	70025135	1	O-Ring, Oil Lube Pump	
	70005173	1	Gasket, Oil Lube Pump	
	70024925	1	Seal, Oil Cooler	
	70005177	1	Gasket, Charge Air Housing	
	70025200	1	O-Ring, Coolant Pump	
	70007325	1	Seal, Coolant Pump	
	70005184	1	O-Ring, Thermostat	
	70005931	1	Seal, Thermostat	
	70025164	1	Gasket, Exhaust Manifold to Head	
	70007354	1	Gasket, Short Exhaust Pipe to JLG supplied Exhaust	
	70007326	1	Gasket EGR Valve	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	70031095	1	Gasket, Exhaust Return Pipe (to Air Intake Housing)	
		Ref	Other Components	
	70001870	1	Flywheel	
	7024579	1	Gear, Ring	
		Ref	Oil Lube System	
	7020465	1	Cap, Oil Fill	
	70024904	1	Dipstick	
	70005941	2	Plug, Oil (Includes Seal)	
	70005172	1	Pump, Oil Lube (Includes O-Ring & Gasket)	
	70024494	1	Oil Cooler	
	7016331	1	Filter, Oil	

FIGURE 3-27. DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

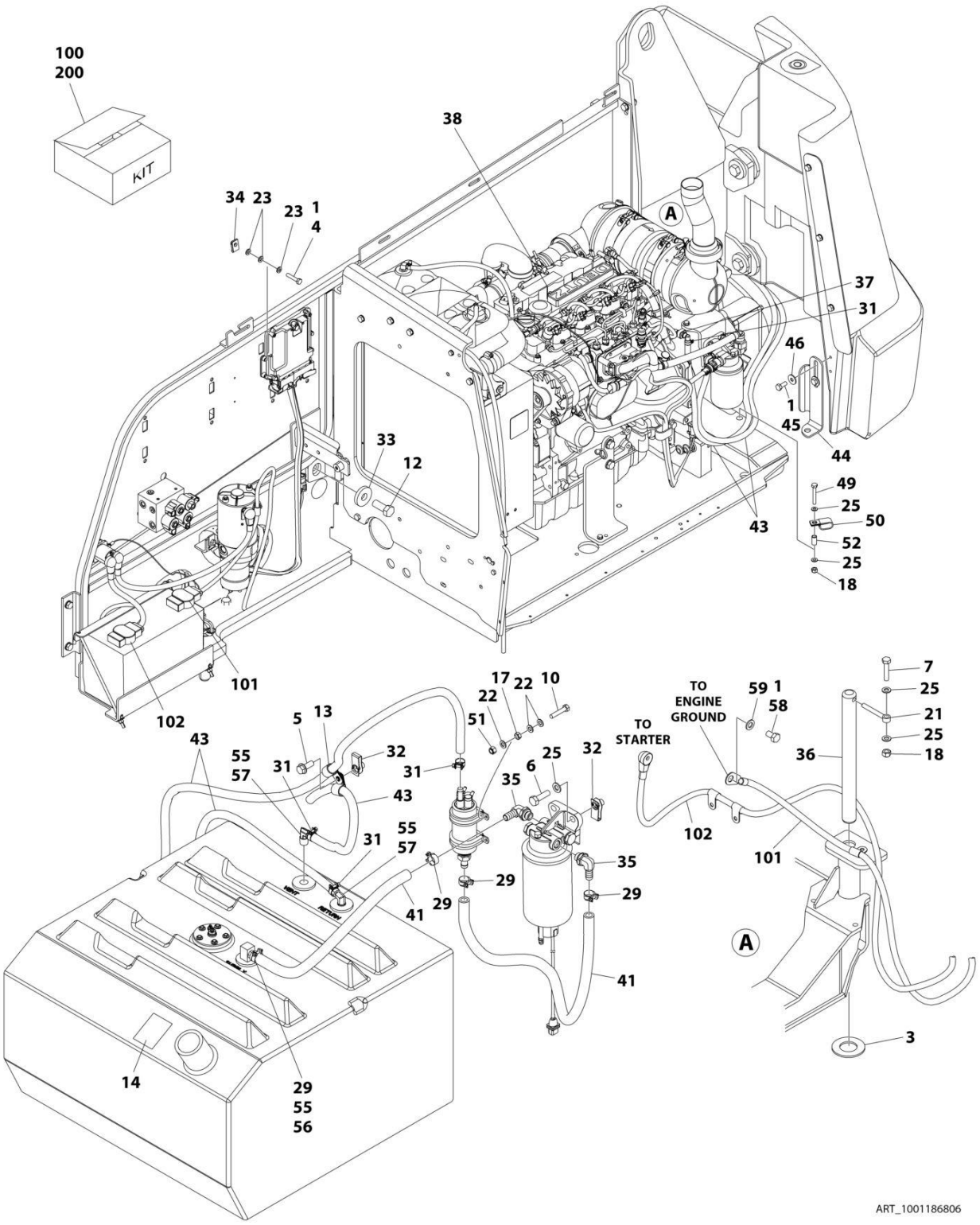


FIGURE 3-27. DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186806	Ref	DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION	O
1	0100011	AR	Compound, Locking	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	5251012	1	Bolt M10 x 25	
6	0701015	2	Bolt M10 x 35	
7	0711018	1	Bolt M10 x 50	
10	0760512	4	Bolt M5 x 25	
12	0772018	1	Bolt M20 x 50	
13	1320061	2	Clamp	
14	1701505	1	Decal - Diesel Fuel	
17	3290501	4	Nut M5	
18	3291005	2	Nut M10	
21	3841143	1	Keeper, Pin	
22	4811600	12	Washer M5	
23	4811700	12	Washer M6	
25	4812000	6	Washer M10	
29	1001175568	4	Clip	
31	1001136975	5	Clamp	
32	1001118972	3	Nut, Tinnerman M10	
33	1001119051	1	Washer	
34	1001130220	4	Nut, Tinnerman M6	
35	1001142501	2	Fitting, 90 Barbed	
36	1001155094	1	Pin	
37	1001155823	1	Fitting, 90 Quick Connect	
38	1001186811	1	Deutz TD2.9L4 - 67HP Engine and Pump Sub-Assembly (See Separate Breakdown in this Section)	
41	1001154405	33 in/ 0.8cm	Hose	
43	1001165035	27 ft/ 8.2m	Hose	
44	1001196398	1	Bracket	
45	0701012	2	Bolt M10 x 25	
46	4812002	2	Washer M10	
49	0701022	1	Bolt M10 x 70	
50	1001026127	1	Clamp	
51	3290505	4	Nut M5	
52	1001200731	1	Tube	
53	4240099	7	Tie-Strap (Not Shown)	
54	1001190444	1	Fuel Pump Harness - Deutz TD2.9L4 - 67HP Engine (Not Shown) (See Seperate Breakdown in ELECTRICAL SECTION)	
55	0100020	AR	Sealant	
56	2180832	1	Fitting, Straight Barbed	
57	2220313	2	Fitting, 90 NPTF/Barb	
58	0761210	1	Bolt M12 x 20	
59	4812100	1	Washer M12	
100	1001235532	1	Battery Cable Kit	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	
200	1001269919	1	Hose Assembly Kit	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-28. DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

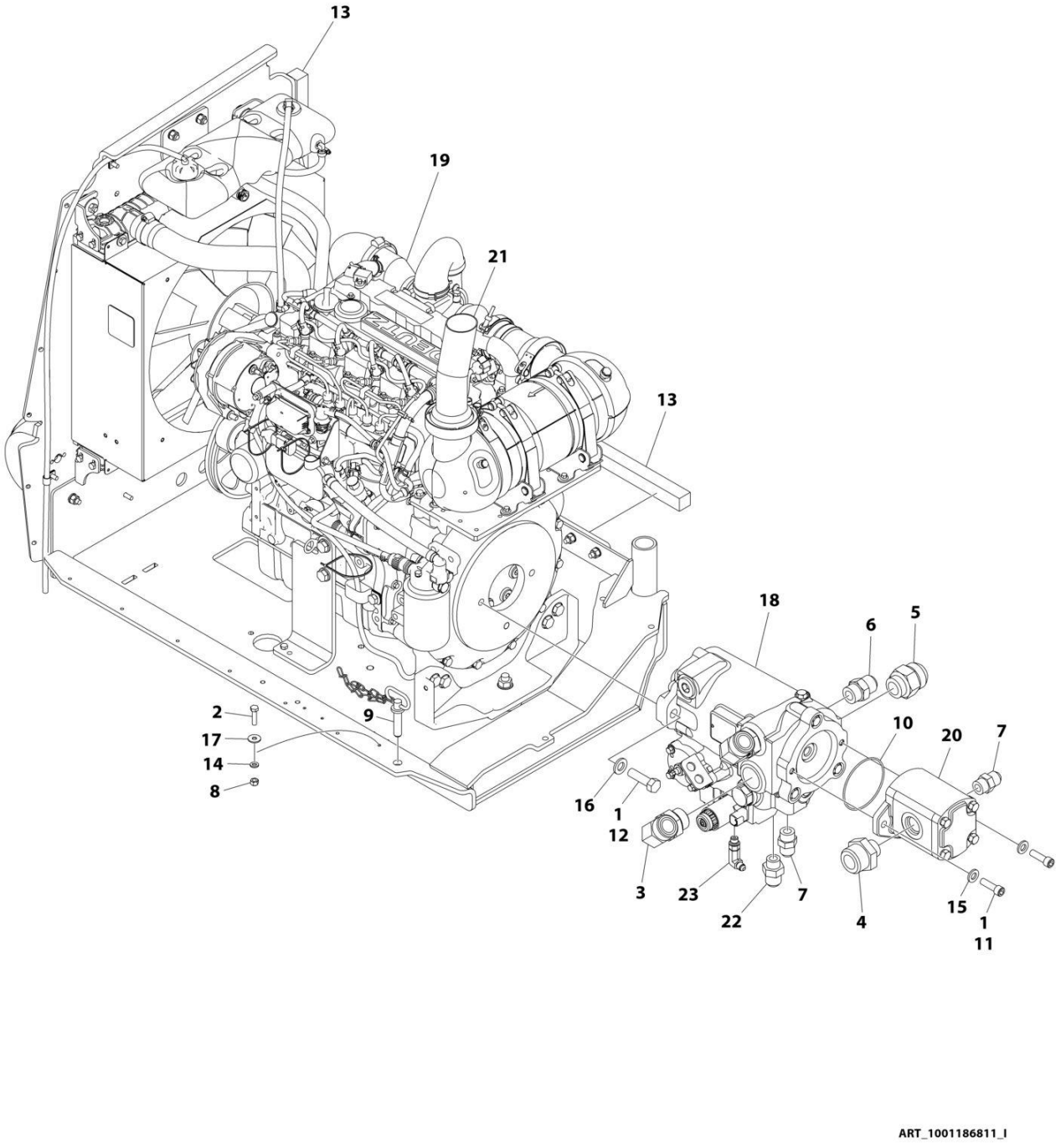
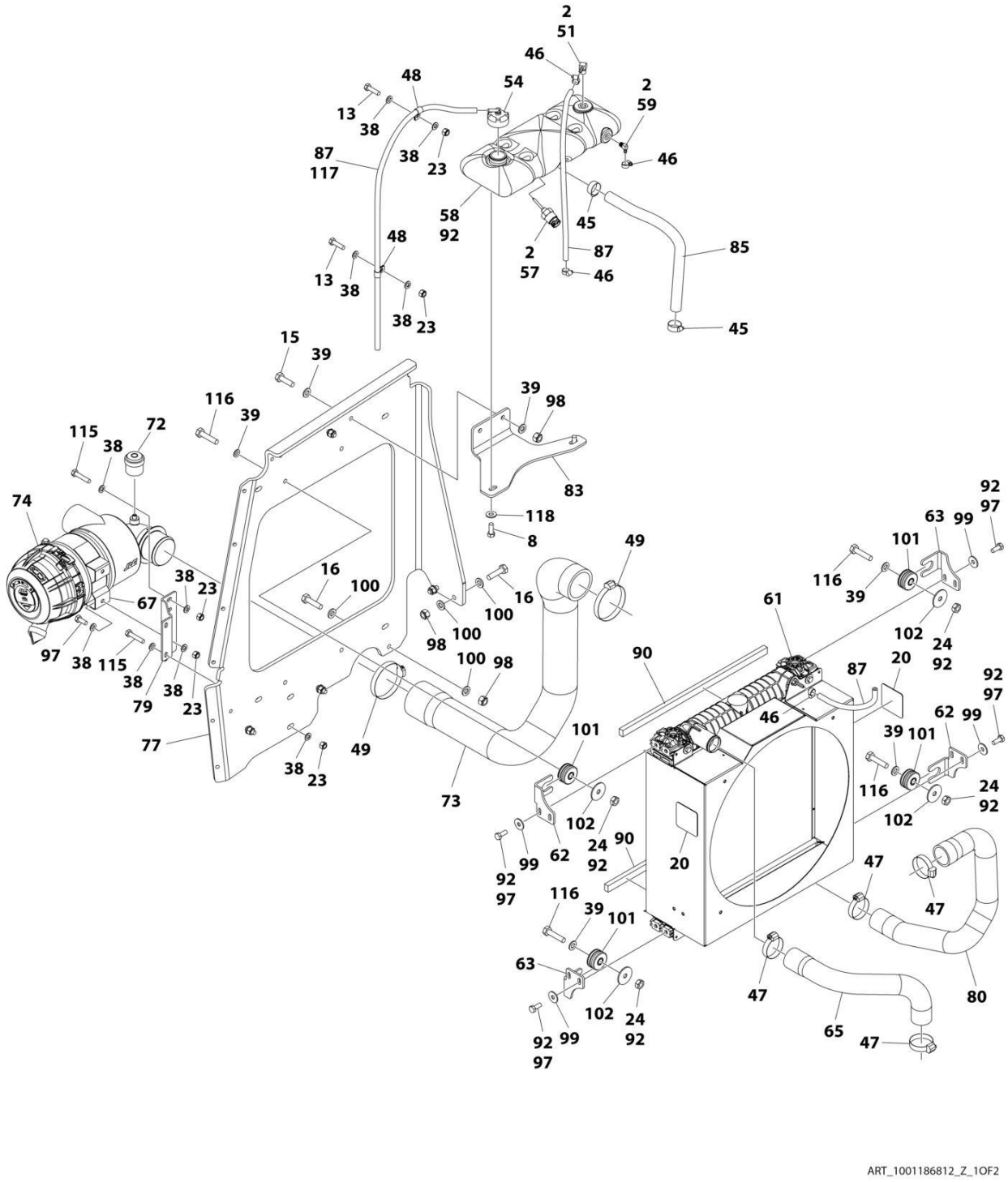


FIGURE 3-28. DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186811	Ref	DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY	I
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	2131616	2	Fitting, 90 ORFS/ORB	
4	2220946	1	Fitting, Straight JIC/ORB	
5	2220479	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220947	2	Fitting, Straight JIC/ORB	
8	3290605	1	Nut M6	
9	3422532	1	Pin	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
11	3931618	2	Capscrew 3/8 x 1-1/8	
12	0641814	2	Bolt 1/2 x 1-3/4	
13	3960469	1	Seal	
14	4811700	1	Washer M6	
15	5241000	2	Washer M10	
16	5241200	2	Washer M12	
17	4811702	1	Washer M6	
18	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
19	1001186812	1	Deutz TD2.9L4 - 67HP Engine Assembly (See Separate Breakdown in this Section)	
20	1001190143	1	Gear Pump Assembly	
20	70006356	1	Seal Kit - 1001190143 Pump	
21	1001239207	1	Pipe, Exhaust	
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220940	1	Fitting, 90 JIC/ORB	

FIGURE 3-29. DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE



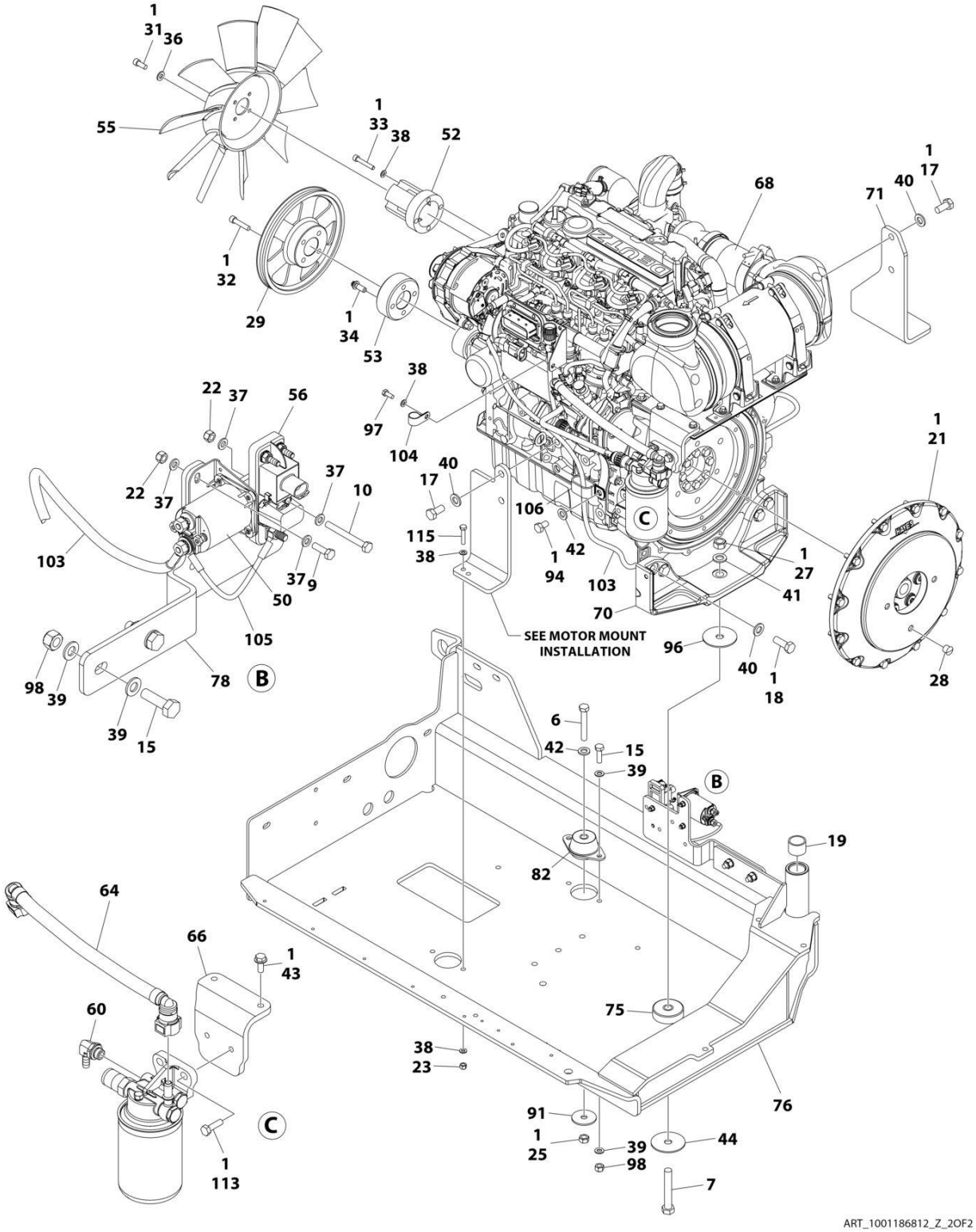

SEE MOTOR MOUNT INSTALLATION
ART_1001186812_Z_2OF2

FIGURE 3-29. DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186812	Ref	DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY	Z
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
6	0711224	1	Bolt M12 x 80	
7	0711627	1	Bolt M16 x 100	
8	0681608	2	Bolt 3/8 x 1	
9	0760610	2	Bolt M6 x 20	
10	0760619	1	Bolt M6 x 55	
13	0760814	AR	Bolt M8 x 30	
15	0761015	6	Bolt M10 x 35	
16	0761016	5	Bolt M10 x 40	
17	0771414	4	Bolt M14 x 30	
18	0771416	4	Bolt M14 x 40	
19	0961951	2	Bushing	
20	1703162	2	Decal - Fan Blade	
21	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
22	3290605	AR	Nut M6	
23	3290805	AR	Nut M8	
24	3291001	4	Nut M10	
25	3331211	1	Nut M12	
27	3331611	1	Nut M16	
28	3520054	1	Plug	
29	3580320	1	Pulley	
31	3931512	4	Capscrew 5/16 x 3/4	
32	3931628	4	Capscrew 3/8 x 1-3/4	
33	4031914	4	Capscrew M8 x 50	
34	4032014	4	Capscrew M10 x 50	
36	4711500	4	Washer 5/16	
37	4811700	AR	Washer M6	
38	4811900	AR	Washer M8	
39	4812000	20	Washer M10	
40	5241400	8	Washer M14	
41	4812300	1	Washer M16	
42	5241200	2	Washer M12	
43	5250810	2	Bolt M8 x 20	
44	7300435	1	Washer	
45	8405007	2	Clamp	
46	8405009	4	Clamp	
47	8405104	4	Clamp	
48	8406109	AR	Clip	
49	8410011	2	Clamp	
50	1001117308	1	Contactor	
51	1001134488	1	Fitting, 90 Barbed (Part of Item 58)	
52	1001135138	1	Adapter, Fan	
53	1001135679	1	Adapter	
54	1001136834	1	Cap, Tank	
55	1001137276	1	Fan	
56	1001138228	1	Relay	
57	1001138827	1	Sensor, Coolant Level (Part of Item 58)	
58	1001230635	1	Tank, Surge (Include Items 51, 57 & 59)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	1001140564	1	Fitting, 90 Barbed (Part of Item 58)	
60	1001152489	1	Fitting, 90 Barbed	
61	1001167042	1	Radiator	
62	1001169967	2	Bracket	
63	1001170035	2	Bracket	
64	1001177359	1	Hose	
65	1001177844	1	Hose, Radiator (Top)	
66	1001231805	1	Mount	
67	1001186426	1	Clamp, Air Cleaner	
68	1001249943	1	Deutz TD2.9L4 - 67HP Engine (See Separate Breakdown in this Section)	
69	1001233895	1	Engine Harness - Deutz TD2.9L4 - 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
70	1001188535	1	Bracket, Engine - Rear	
71	1001189026	1	Bracket, Engine - Right	
72	1001166716	1	Restriction, Indicator	
73	1001189913	1	Hose	
74	1001189979	1	Filter, Air	
74	70005008	1	Element, Filter	
75	1001190164	1	Mount, Motor	
76	1001200745	1	Tray	
77	1001229091	1	Support, Radiator	
78	1001203885	1	Plate	
79	1001190942	1	Support	
80	1001191025	1	Hose, Radiator (Bottom)	
82	1001191610	1	Mount, Motor	
83	1001192400	1	Bracket	
85	1001193049	1	Hose	
87	2720015	AR	Hose	
90	1001168166	2	Seal	
91	1001168018	1	Washer	
92	1001180620	AR	Adhesive	
94	0761210	1	Bolt M12 x 20	
96	1001197725	1	Spacer	
97	0760810	11	Bolt M8 x 20	
98	3291005	11	Nut M10	
99	4811902	8	Washer M8	
100	5241000	10	Washer M10	
101	1001169054	4	Isolator	
102	1001169138	4	Pad, Snubbing	
103	1001190442	1	Harness, Alternator Power	
103	1001098764	1	Boot - Red	
104	1320202	1	Clamp	
105	1001141304	1	Harness, Glow Fuse	
106	1001181899	1	Clamp	
108	4240099	1	Tie-Strap (Not Shown)	
113	5251012	2	Bolt M10 x 25	
115	0760816	3	Bolt M8 x 40	
116	0761017	4	Bolt M10 x 45	
117	1001138248	4 ft/1.25m	Tube	
118	4751600	2	Washer 3/8	

FIGURE 3-30. DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

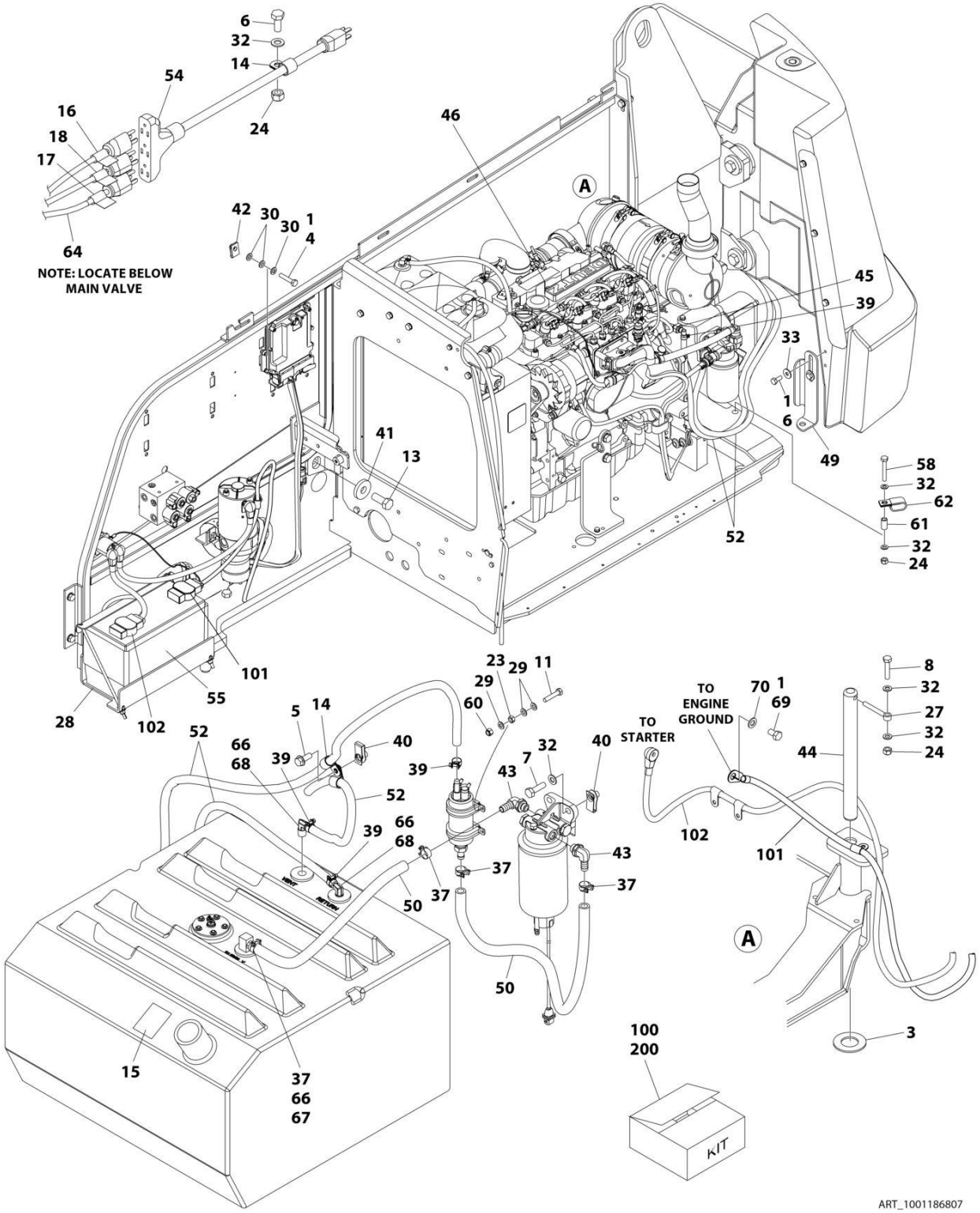


FIGURE 3-30. DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186807	Ref	DEUTZ TD2.9L4 - 67HP ENGINE INSTALLATION	O
1	0100011	AR	Compound, Locking	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	5251012	1	Bolt M10 x 25	
6	0701012	3	Bolt M10 x 25	
7	0701015	2	Bolt M10 x 35	
8	0711018	1	Bolt M10 x 50	
11	0760512	4	Bolt M5 x 25	
13	0772018	1	Bolt M20 x 50	
14	1320061	3	Clamp	
15	1701505	1	Decal - Diesel Fuel	
16	1702941	1	Decal - Battery Heater	
17	1702942	1	Decal - Engine Block Heater	
18	1702943	1	Decal - Hydraulic Tank Heater	
22	1001188972	1	Heater, Immersion (Not Shown - Located on Hydraulic Tank)	
23	3290501	4	Nut M5	
24	3291005	3	Nut M10	
27	3841143	1	Keeper, Pin	
28	3980007	1	Seat, Battery	
29	4811600	12	Washer M5	
30	4811700	12	Washer M6	
32	4812000	7	Washer M10	
33	4812002	2	Washer M10	
37	1001175568	4	Clip	
39	1001136975	5	Clamp	
40	1001118972	3	Nut, Tinnerman M10	
41	1001119051	1	Washer	
42	1001130220	4	Nut, Tinnerman M6	
43	1001142501	2	Fitting, 90 Barbed	
44	1001155094	1	Pin	
45	1001155823	1	Fitting, 90 Quick Connect	
46	1001186813	1	Deutz TD2.9L4 - 67HP Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
49	1001196398	1	Bracket	
50	1001154405	33 in/ 0.8cm	Hose	
52	1001165035	27 ft/ 8.2m	Hose	
54	1060626	1	Plug, 3 Way	
55	2580024	1	Heater, Battery	
58	0701022	1	Bolt M10 x 70	
60	3290505	4	Nut M5	
61	1001200731	1	Tube	
62	1001026127	1	Clamp	
63	4240099	7	Tie-Strap (Not Shown)	
64	1001150918	1	Cable, Extension	
65	1001190444	1	Engine Harness - Deutz TD2.9L4 - 67HP Engines (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
66	0100020	AR	Sealant	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
67	2180832	1	Fitting, Straight Barbed	
68	2220313	2	Fitting, 90 NPTF/Barb	
69	0761210	1	Bolt M12 x 20	
70	4812100	1	Washer M12	
75	1001233763	1	Deutz Breather Heater Installation (Not Shown) (See Separate Breakdown in this Section)	
75	4240099	AR	Tie-Strap	
75	1001196634	1	Fuse 2amp	
75	1001232842	1	Heater, Deutz Breather Kit	
75	2400060	1	Fuse, Holder	
100	1001235532	1	Battery Cable Kit	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	
200	1001269919	1	Hose Assembly Kit	
201	1001192690	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	
202	1001203431	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
203	1001203432	1	Hose (Function Suction) (Not Shown)	
204	1001203433	1	Hose (Drive Suction) (Not Shown)	

FIGURE 3-31. DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

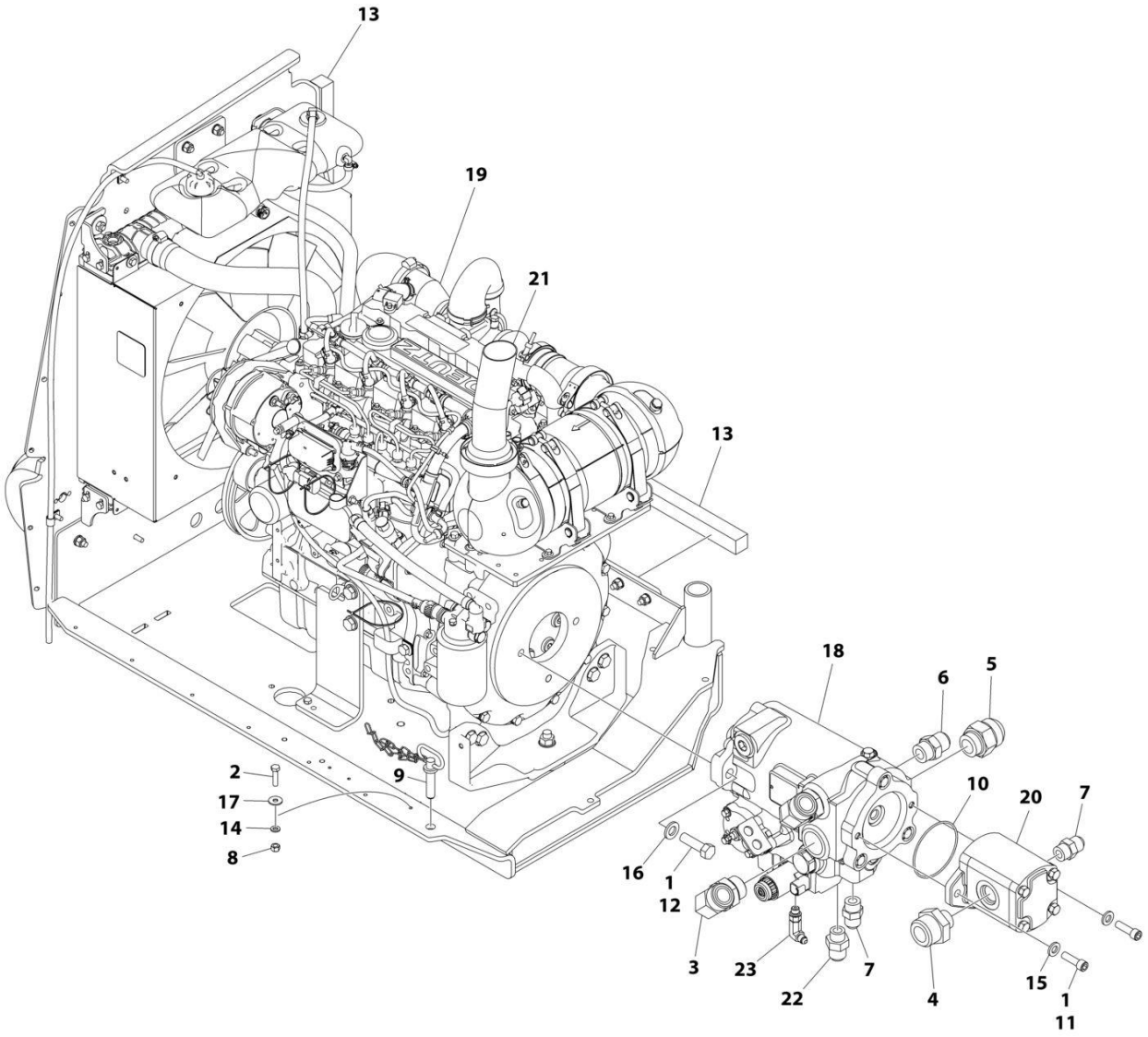
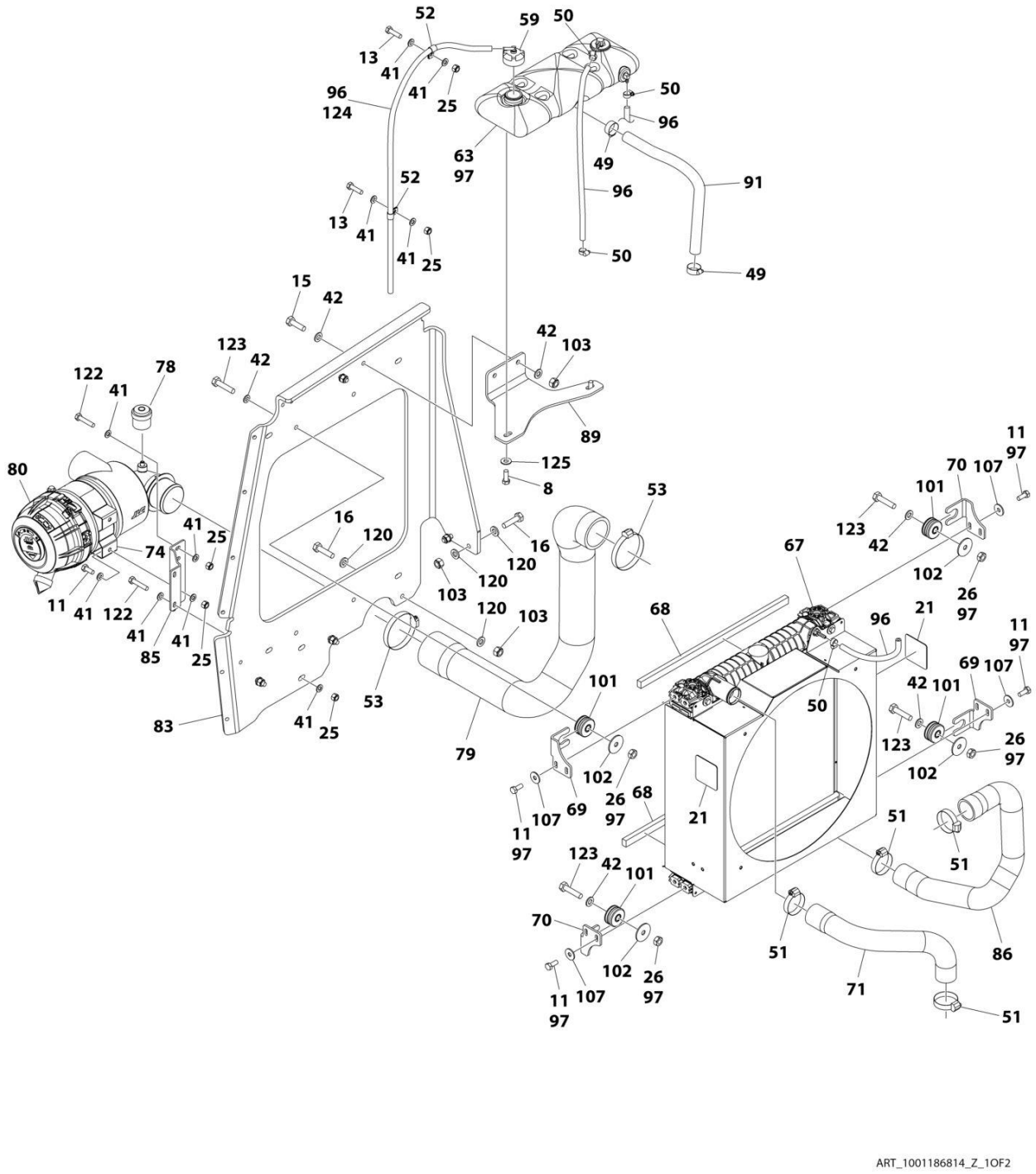


FIGURE 3-31. DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186813	Ref	DEUTZ TD2.9L4 - 67HP ENGINE AND PUMPS SUB-ASSEMBLY	I
1	0100011	AR	Compound, Locking	
2	0760612	1	Bolt M6 x 25	
3	2131616	2	Fitting, 90 ORFS/ORB	
4	2220946	1	Fitting, Straight JIC/ORB	
5	2220479	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220947	2	Fitting, Straight JIC/ORB	
8	3290605	1	Nut M6	
9	3422532	1	Pin	
10	3790152	1	O-Ring	
11	3931620	2	Capscrew 3/8 x 1-1/4	
11	3931618	2	Capscrew 3/8 x 1-1/8	
12	0641814	2	Bolt 1/2 x 1-3/4	
13	3960469	2	Seal	
14	4811700	1	Washer M6	
15	5241000	2	Washer M10	
16	5241200	2	Washer M12	
17	4811702	1	Washer M6	
18	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
19	1001186814	1	Deutz TD2.9L4 - 67HP Engine Assembly (See Separate Breakdown in this Section)	
20	1001190143	1	Gear Pump Assembly	
20	70006356	1	Seal Kit - 1001190143 Pump	
21	1001239207	1	Pipe, Exhaust	
22	2220408	1	Fitting, Straight JIC/ORB	
23	2220940	1	Fitting, 90 JIC/ORB	

FIGURE 3-32. DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY - WITH ARCTIC PACKAGE



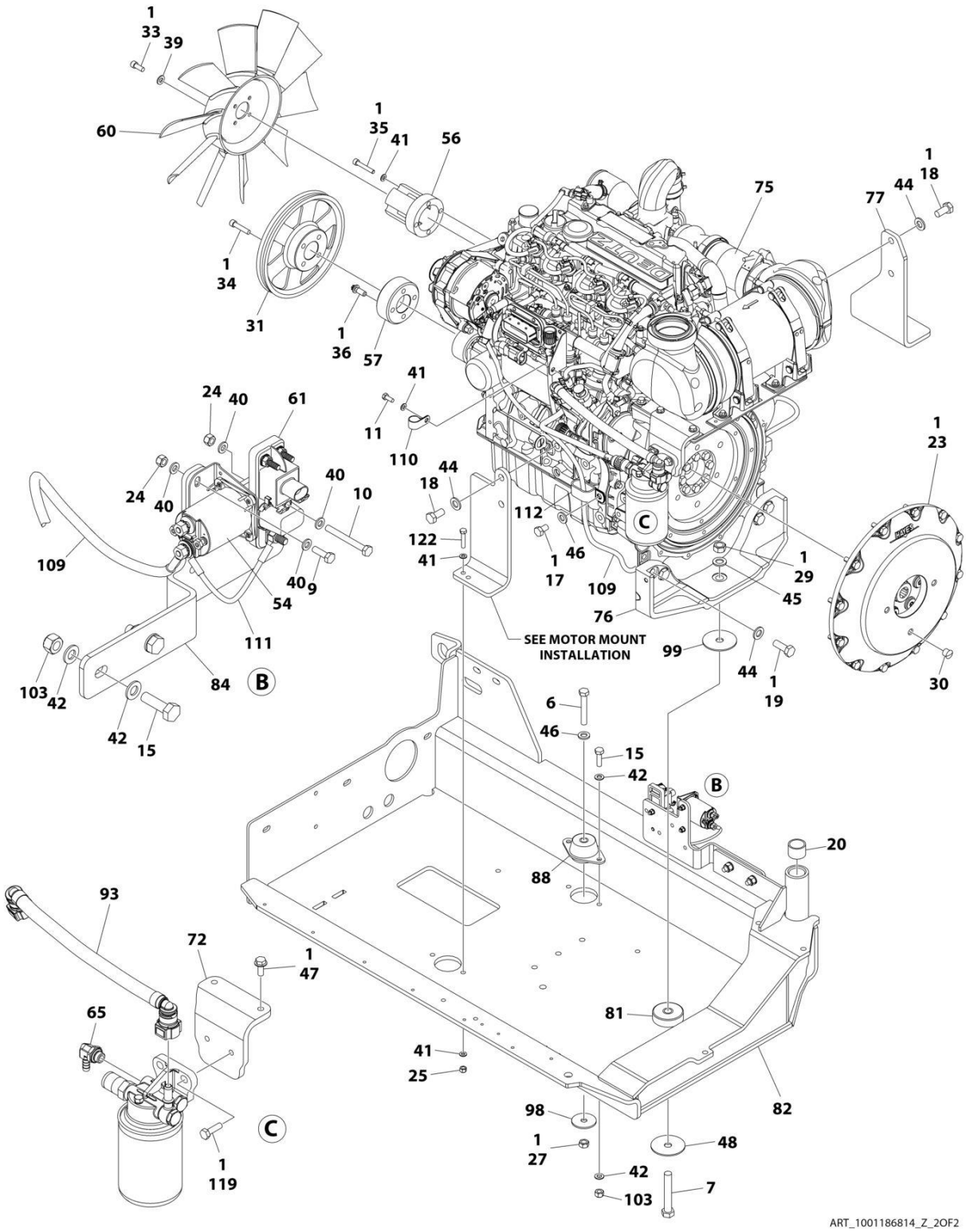

SEE MOTOR MOUNT INSTALLATION
ART_1001186814_Z_2OF2

FIGURE 3-32. DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186814	Ref	DEUTZ TD2.9L4 - 67HP ENGINE ASSEMBLY	Z
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
6	0711224	1	Bolt M12 x 80	
7	0711627	1	Bolt M16 x 100	
8	0681608	2	Bolt 3/8 x 1	
9	0760610	2	Bolt M6 x 20	
10	0760619	1	Bolt M6 x 55	
11	0760810	11	Bolt M8 x 20	
13	0760814	AR	Bolt M8 x 30	
15	0761015	6	Bolt M10 x 35	
16	0761016	5	Bolt M10 x 40	
17	0761210	1	Bolt M12 x 20	
18	0771414	4	Bolt M14 x 30	
19	0771416	4	Bolt M14 x 40	
20	0961951	2	Bushing	
21	1703162	2	Decal - Fan Blade	
23	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
24	3290605	AR	Nut M6	
25	3290805	AR	Nut M8	
26	3291001	4	Nut M10	
27	3331211	1	Nut M12	
29	3331611	1	Nut M16	
30	3520054	1	Plug	
31	3580320	1	Pulley	
33	3931512	4	Capscrew 5/16 x 3/4	
34	3931628	4	Capscrew 3/8 x 1-3/4	
35	4031914	4	Capscrew M8 x 50	
36	4032014	4	Capscrew M10 x 50	
39	4711500	4	Washer 5/16	
40	4811700	AR	Washer M6	
41	4811900	AR	Washer M8	
42	4812000	20	Washer M10	
44	5241400	8	Washer M14	
45	4812300	1	Washer M16	
46	5241200	2	Washer M12	
47	5250810	2	Bolt M8 x 20	
48	7300435	1	Washer	
49	8405007	2	Clamp	
50	8405009	4	Clamp	
51	8405104	4	Clamp	
52	8406109	AR	Clip	
53	8410011	2	Clamp	
54	1001117308	1	Contactor	
55	1001134488	1	Fitting, 90 Barbed (Part of Item 63)	
56	1001135138	1	Adapter	
57	1001135679	1	Adapter	
59	1001136834	1	Cap, Tank	
60	1001137276	1	Fan	
61	1001138228	1	Relay	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
62	1001138827	1	Sensor, Coolant Level (Part of Item 63)	
63	1001230635	1	Tank, Surge (Includes Items 55, 62 & 64)	
64	1001140564	1	Fitting, 90 Barbed (Part of Item 63)	
65	1001152489	1	Fitting, 90 Pipe/Barbed	
67	1001167042	1	Radiator	
68	1001168166	2	Seal	
69	1001169967	2	Bracket	
70	1001170035	2	Bracket	
71	1001177844	1	Hose, Radiator (Top)	
72	1001231805	1	Mount	
74	1001186426	1	Clamp, Air Cleaner	
75	1001249943	1	Deutz TD2.9L4 - 67HP Engine (See Separate Breakdown in this Section)	
76	1001188535	1	Bracket, Engine - Rear	
77	1001189026	1	Bracket, Engine - Right	
78	1001166716	1	Restriction, Indicator	
79	1001189913	1	Hose	
80	1001189979	1	Filter, Air	
80	70005008	1	Element, Filter	
81	1001190164	1	Mount, Motor	
82	1001200745	1	Tray	
83	1001229091	1	Support, Radiator	
84	1001203885	1	Plate	
85	1001190942	1	Support	
86	1001191025	1	Hose, Radiator (Bottom)	
88	1001191610	1	Mount, Motor	
89	1001192400	1	Bracket	
91	1001193049	1	Hose	
92	1001140312	1	Heater, Engine Block	
93	1001177359	1	Hose	
96	2720015	AR	Hose	
97	1001180620	AR	Adhesive	
98	1001168018	1	Washer	
99	1001197725	1	Spacer	
101	1001169054	4	Isolator	
102	1001169138	4	Pad, Snubbing	
103	3291005	11	Nut M10	
107	4811902	8	Washer M8	
108	1001181895	AR	Adhesive	
109	1001190442	1	Harness, Alternator Power	
109	1001098764	1	Boot - Red	
110	1320202	1	Clamp	
111	1001141304	1	Harness, Glow Fuse	
112	1001181899	1	Clamp	
114	4240099	1	Tie-Strap (Not Shown)	
119	5251012	2	Bolt M10 x 25	
120	5241000	10	Washer M10	
122	0760816	3	Bolt M8 x 40	
123	0761017	4	Bolt M10 x 45	
124	1001138248	4 ft/1.25m	Tube	
125	4751600	2	Washer 3/8	

FIGURE 3-33. DEUTZ TD2.9L4 - 67HP ENGINE COMPONENTS

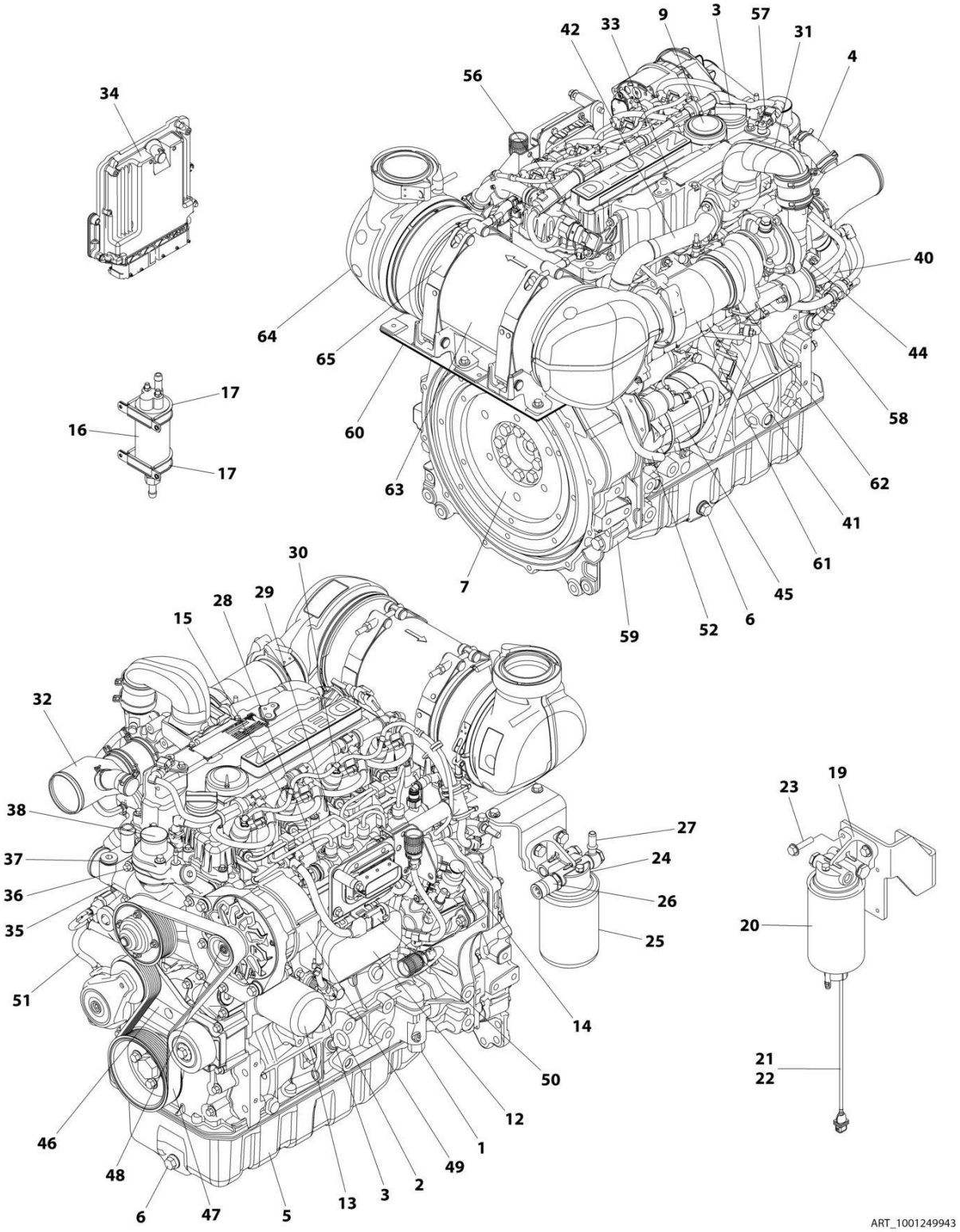


FIGURE 3-33. DEUTZ TD2.9L4 - 67HP ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001249943	Ref	ENGINE ASSEMBLY	A
1	70006265	1	Spring	
1	70006266	1	Seal	
1	70025660	1	Plug	
1	70006264	1	Valve, Plunger	
2	70024904	1	Dipstick	
2	70024905	2	Seal	
3	7020465	1	Cap, Fill	
4	70005920	1	Line, Breather	
4	70025111	2	Clamp	
5	70025162	1	Oil Pan	
6	70005942	1	Seal	
6	70005941	1	Plug	
7	70001870	1	Flywheel	
7	7024579	1	Ring Gear	
7	70025139	8	Bolt	
8	70024906	1	Gasket, Cylinder Head (Not Shown)	
9	70005921	1	Valve Cover	
9	70025205	1	Gasket	
10		Ref	Gasket & Seal Options (Not Shown)	
10	70005938	1	Gasket Kit	
10	70005171	1	Gasket	
10	70002718	1	Seal, Rear Main	
10	70028185	1	Gasket, Front Cover	
10	70004280	1	Seal, Front Main	
11	70005172	1	Pump, Lube (Not Shown - Located RH Rear)	
11	70025125	4	Bolt	
11	70025135	1	O-Seal	
11	70005173	1	Gasket	
12	70024494	1	Cooler, Oil	
12	70024925	1	Gasket, Oil Filter	
12	70025125	6	Bolt	
13	70025137	1	Bushing, Oil Filter	
13	7016331	1	Filter, Oil	
14	70024924	1	Pump, High Pressure	
14	70024517	1	Gasket (Spacer to Block)	
14	70025104	3	Nut	
14	70025152	1	Gasket (Spacer to Pump)	
14	70004505	1	Valve, Overflow	
14	70004506	1	Gasket, Overflow	
14	70004507	1	Gasket, Overflow	
14	70004508	1	Valve, Volume Control	
14	70004509	1	Seal, Ring	
14	70004510	1	Gasket	
14	70027415	2	Bolt	
15	70025181	4	Injector	
15	70025140	4	Washer, Sealing	
15	70025146	4	Clamp	
15	70025145	4	O-Seal	
15	70025154	4	Shoe/Pad, Clamping	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	70025147	4	Bolt	
16	70006144	1	Pump, Fuel Supply	
17	70025144	2	Clip, Clamp	
18	70029393	2	Receptacle Plug (Not Shown)	
19	70024961	1	Fuel Filter Assembly	
20	1001225430	1	Element, Filter	
21	70024513	1	Cable, Sensor	
22	70025239	1	Seal, Ring	
23	70025121	4	Bolt	
24	70029451	1	Fuel Filter Assembly	
25	1001225431	1	Element, Filter	
26	70028538	1	Cable, Sensor	
26	70024920	1	O-Seal	
27	70004513	2	Seal (at Hollow Bolt)	
28	70025151	1	Rail, Fuel	
28	70028186	2	Bolt	
28	70025235	1	Repair Kit - Fuel Rail	
28	70025240	1	O-Ring	
29	70025182	1	Tube, Fuel - Cylinders 1 & 2	
29	70025183	1	Tube, Fuel - Cylinders 3 & 4	
29	70025184	1	Tube, Fuel	
30	70024502	1	Pipe, Fuel Leakage	
30	70025185	1	Hose, Fuel	
30	70025158	1	Manifold	
30	70025109	2	Clamp, Spring	
30	70025115	1	Clamp	
30	70001655	1	Bolt	
30	70025101	2	Clamp	
30	70025148	1	Connector, Plug-in	
31	70005928	1	Elbow, Air Charge	
31	70025122	2	Bolt	
32	70004501	1	Sleeve, Rubber	
32	70025112	2	Clamp	
32	70005926	1	Elbow	
33	70005176	1	O-Ring	
33	70005177	1	Gasket, Charger Air Manifold	
33	70005178	2	Bolt	
33	70005179	9	Bolt	
34	70025210	1	Module, ECU	
35	70029797	1	Pump, Coolant	
35	70025200	1	Ring, Sealing (Pump to Block)	
35	70007325	1	Gasket, Coolant Pump	
36	70025129	4	Bolt	
37	7020492	2	Ring, Sealing	
38	70005929	1	Thermostat	
38	70005184	1	O-Seal (Thermostat to Housing)	
38	70025142	1	Cover, Thermostat	
38	70025124	2	Bolt	
38	70005931	1	O-Seal (Thermostat to Pump)	
39	70004282	1	Manifold, Exhaust (Not Shown)	
39	70025130	8	Bolt, Manifold (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70025164	1	Gasket, Manifold to Head (Not Shown)	
40	70025179	1	Gasket, Manifold to Elbow	
40	70007354	1	Gasket, Elbow End	
41	70007326	1	Gasket, EGR	
41	70007327	1	Valve, EGR Control	
41	70027428	4	Bolt	
41	70025106	4	Bolt, EGR Module	
41	70025155	2	Plug, EGR	
41	70025696	2	Bolt, EGR Valve Housing	
42	70029557	2	Gasket, Exhaust Pipe	
42	70025098	4	Bolt, Exhaust Pipe	
43	70024912	1	Gasket, Exhaust Manifold (Not Shown)	
43	70025676	4	Bolt, Exhaust Manifold (Not Shown)	
44	70004276	1	Turbocharger	
44	70024509	1	Gasket (Turbocharger to Oil Return Tube Housing)	
44	70025095	2	Bolt, Turbocharger	
44	70006294	1	O-Seal	
45	70024915	1	Starter	
45	70005647	1	Switch, Solenoid	
45	70005648	1	Relay	
45	70025099	2	Starter Bolt	
46	70028699	1	Belt Tensioner	
47	70004277	1	Belt	
48	70025733	1	Pulley, Alternator	
49	70006652	1	Generator	
49	70006653	1	Voltage, Regulator	
49	70029015	1	Fan	
49	70029402	1	Nut, Pulley	
49	70029403	1	Nut	
49	70029404	1	Washer	
50	70025231	1	Harness, Glow Plug	
50	70025233	1	Connector, Plug-in	
50	70000345	4	Glow Plug (Not Shown)	
51	70025226	1	Plug-In Connector	
51	70007086	4	Plug-In Connector	
51	70007087	5	Plug-In Connector	
51	70007088	1	Plug-In Connector	
51	70007089	1	Plug-In Connector	
51	70027440	1	Plug-In Connector	
51	70025221	2	Plug-In Connector	
51	70025327	1	Plug-In Connector	
51	70025216	1	Adapter	
51	70025215	1	Fixing, Bracket	
51	70025134	4	Screw	
51	70025165	1	Retaining Plate	
51	70025228	2	Bracket	
51	70025229	1	Wire Fastener	
51	70025217	4	Clamping Band	
51	70025224	3	Clamping Band	
51	70025225	2	Support, Cable	
51	70027446	1	Clamp, Support	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	70025214	1	Cover, Cap	
52	70025166	1	Angle, Support	
52	70001655	1	Bolt	
52	70025126	6	Bolt	
53	70028540	1	Sender, Temperature (Not Shown)	
54	70028538	1	Sensor, Pressure (Not Shown)	
54	70024920	1	O-Seal	
55	70026210	1	Tacho-Generator (Not Shown)	
55	70005191	1	Ring, Seal	
56	70005179	2	Bolt	
56	70005933	1	Adapter	
56	70005934	1	O-Seal	
56	70024507	1	Sensor, Pressure	
56	70025120	1	O-Seal	
56	70001655	2	Bolt	
57	70024922	1	Sender, Temperature	
57	70025212	1	O-Seal	
58	70025128	1	Bolt	
58	70026210	1	Sensor, Speed	
58	70024917	1	O-Seal	
59	70025192	1	Housing	
59	70025113	2	Straight, Pin	
59	70025108	4	Bolt	
60	70005935	1	Bracket	
60	70005936	4	Bolt	
61	70004504	1	Compensator	
61	70025242	1	Gasket	
62	70005527	1	Clip	
62	70029433	1	Clip	
62	70025788	1	Nut, Clip	
63	70007355	1	Inlet, Muffler	
63	70029517	1	Clip	
63	70029250	1	Gasket, Inlet	
64	70007331	1	Outlet, Muffler	
64	70029517	1	Clip	
64	70029250	1	Gasket, Outlet	
65	70029415	2	Bracket, Muffler	
65	70025098	8	Bolt	

FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 - 49HP AND DEUTZ TD2.9L4 - 67HP ENGINES WITH ARCTIC PACKAGE

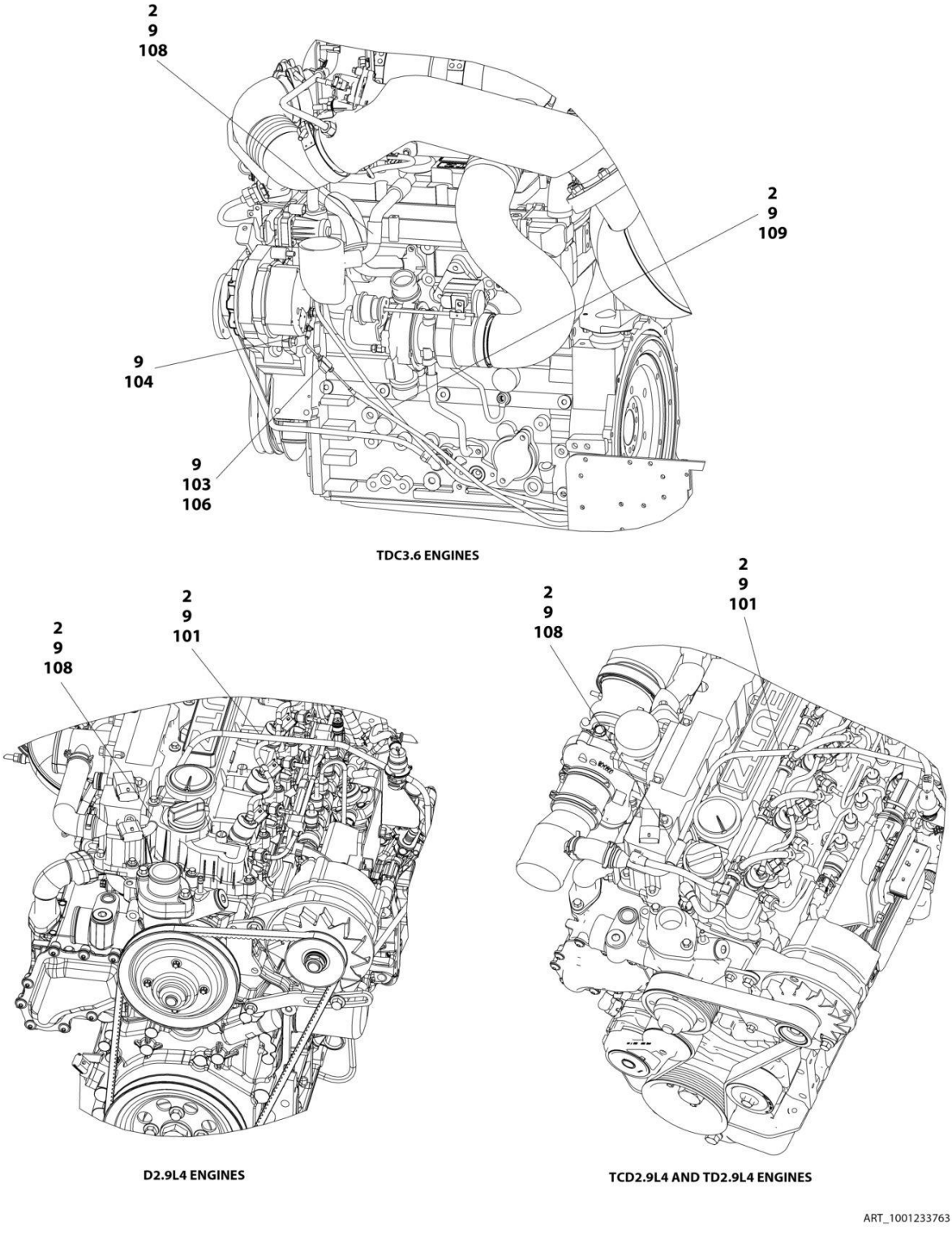


FIGURE 3-34. BREATHER HEATER INSTALLATION - DEUTZ D2.9L4 - 49HP AND DEUTZ TD2.9L4 - 67HP ENGINES WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233763	Ref	BREATHER HEATER INSTALLATION - DEUTZ ENGINES	D
2	4240099	AR	Tie-Strap	
9	1001243895	1	Breather Heater Harness	C
101	2820035	AR	Insulation	
103	2400060	1	Fuseholder with Cover	
104	4460043	1	Terminal, Ring	
105	4460722	1	Terminal, Ring (Not Shown)	
106	1001196634	1	Fuse - 2 Amp	
108	1001232842	1	Breather Heater Kit	

FIGURE 3-35. DEUTZ D2.9L4 ENGINE INSTALLATION (CHINA IV) - HENGLI PISTON PUMP

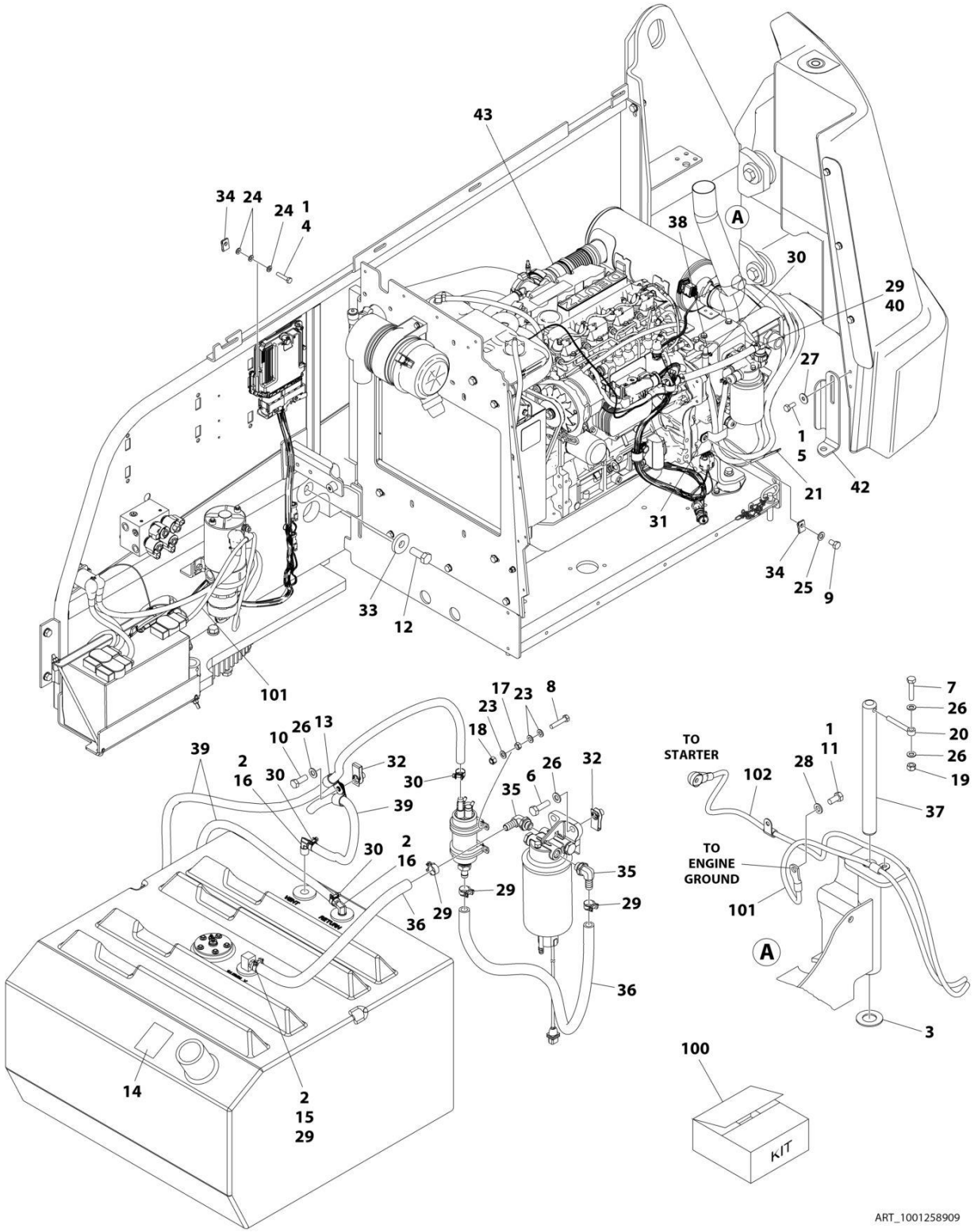


FIGURE 3-35. DEUTZ D2.9L4 ENGINE INSTALLATION (CHINA IV) - HENGLI PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258909	Ref	DEUTZ D2.9L4 ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700614	4	Bolt M6 x 30	
5	0701012	2	Bolt M10 x 25	
6	0701015	2	Bolt M10 x 35	
7	0711018	1	Bolt M10 x 50	
8	0760512	4	Bolt M5 x 25	
9	0760610	1	Bolt M6 x 20	
10	0761012	1	Bolt M10 x 25	
11	0761210	1	Bolt M12 x 20	
12	0772018	1	Bolt M20 x 50	
13	1320061	2	Clamp	
14	1701505	1	Decal - Diesel Fuel	
15	2180832	1	Fitting, Straight Barbed	
16	2220313	2	Fitting, 90 NPTF/Barb	
17	3290501	4	Nut M5	
18	3290505	4	Nut, Lock M5	
19	3291005	1	Nut, Lock M10	
20	3841143	1	Keeper, Pin	
21	4061032	1	Shield	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4811600	12	Washer M5	
24	4811700	12	Washer M6	
25	4811702	1	Washer M6	
26	4812000	5	Washer M10	
27	4812002	2	Washer M10	
28	4812100	1	Washer M12	
29	8405006	6	Clamp	
30	8410013	5	Clamp	
31	1001026127	1	Clip	
32	1001118972	3	Nut, Tinnerman M10	
33	1001119051	1	Washer	
34	1001130220	5	Nut, Tinnerman M6	
35	1001142501	2	Fitting, 90 Barbed	
36	1001154405	4.37 ft/ 1.33m	Hose	
37	1001155094	1	Pin	
38	1001155823	1	Fitting, 90 Quick Connect	
39	1001165035	26.25 ft/ 8m	Hose	
40	1001170982	2	Adapter	
41	1001190444	1	Fuel Pump Harness (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
42	1001196398	1	Bracket	
43	1001258908	1	Deutz D2.9L4 (China IV) Engine And Pump Sub-Assembly (See Separate Breakdown in this Section)	
100	1001235532	1	Battery Cable Kit	
101	1001188668	1	Cable, Battery (-) to Aux Pump and Ground	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001188669	1	Cable, Battery (+) to Aux Relay to Starter	

FIGURE 3-36. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV) - HENGLI PISTON PUMP

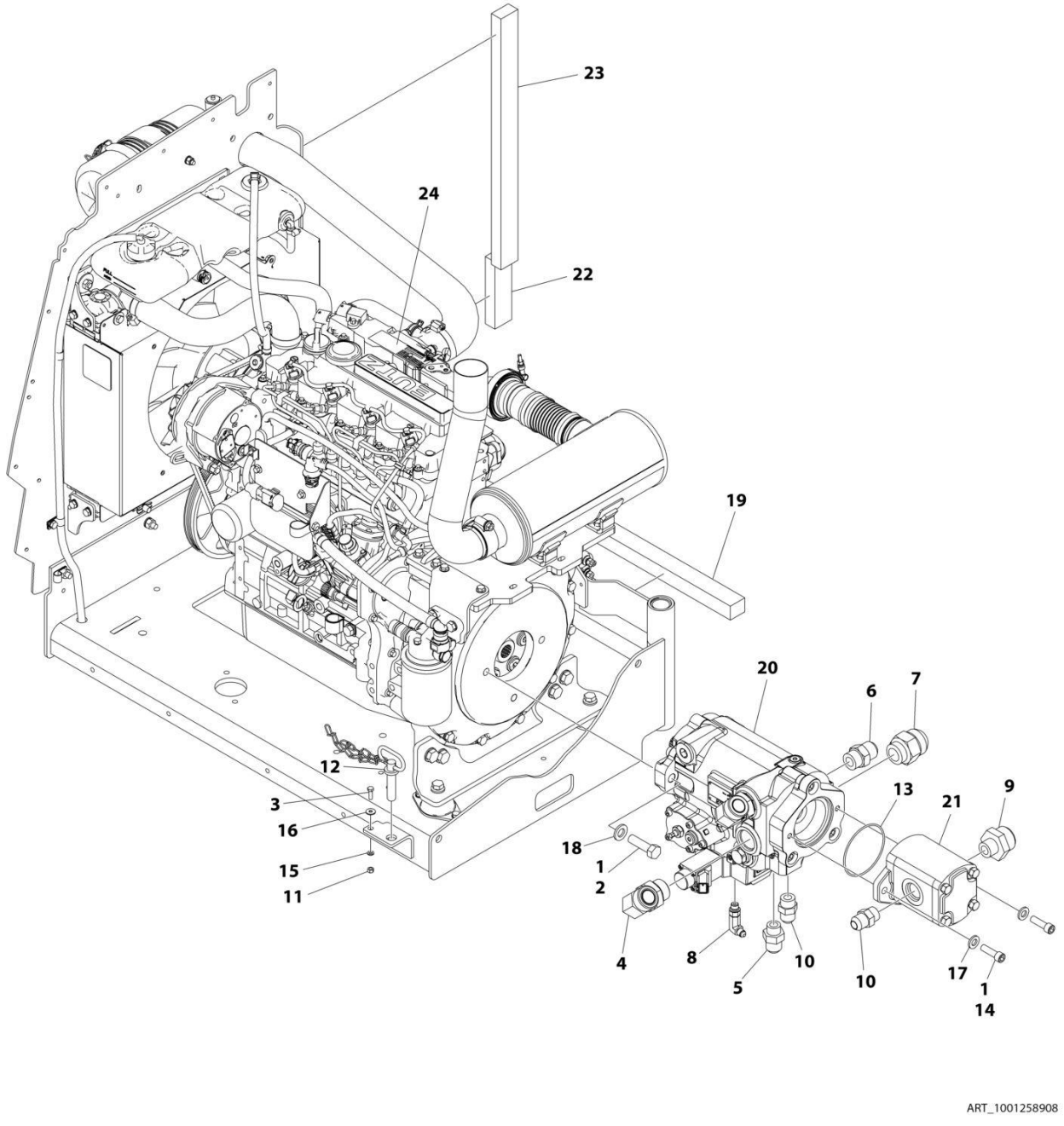
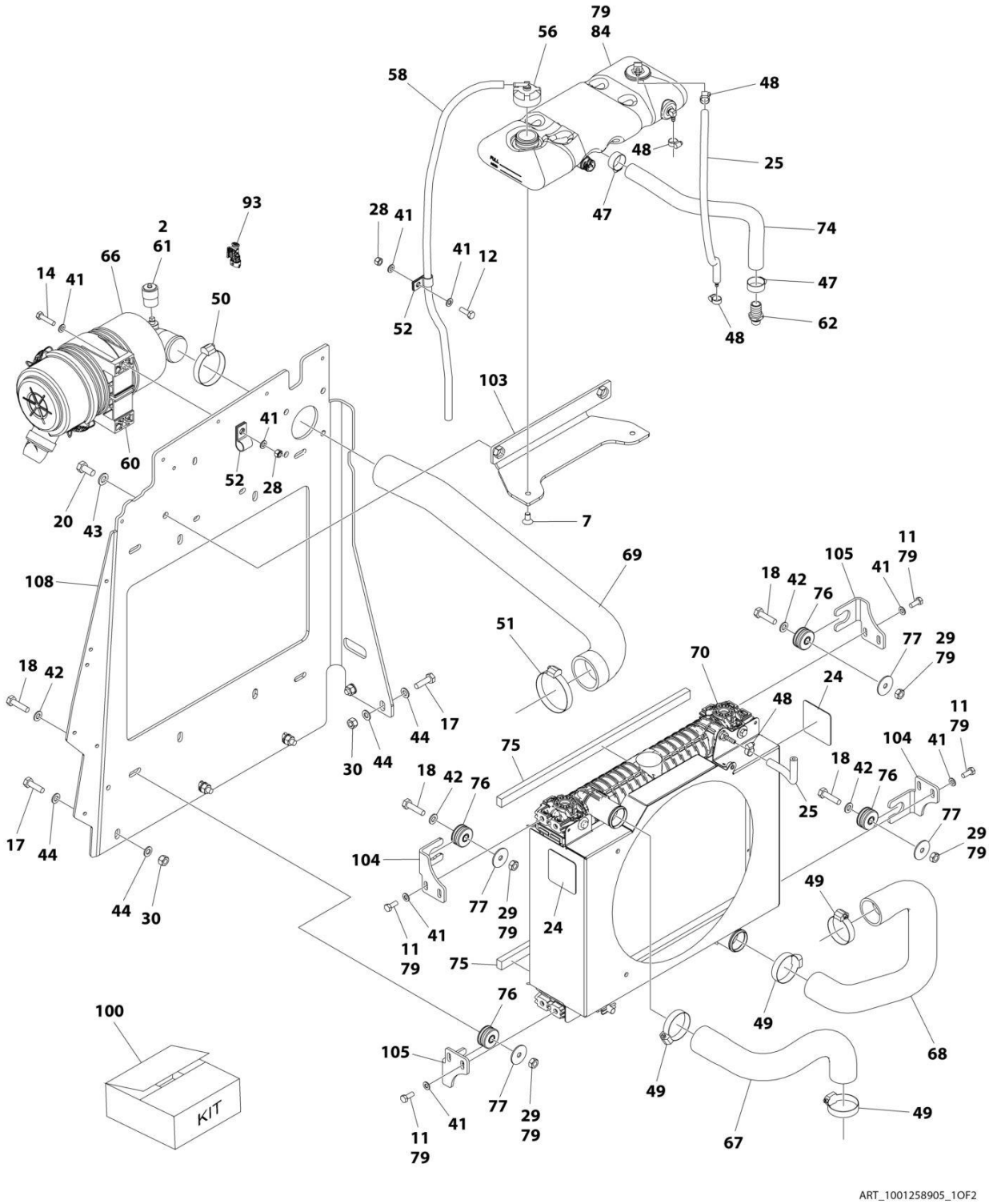


FIGURE 3-36. DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY (CHINA IV) - HENGLI PISTON PUMP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258908	Ref	DEUTZ D2.9L4 ENGINE AND PUMP SUB-ASSEMBLY	D
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760610	1	Bolt M6 x 20	
4	2131616	2	Fitting, 90 ORFS/ORB	
5	2220408	1	Fitting, Straight JIC/ORB	
6	2220451	1	Fitting, Straight JIC/ORB	
7	2220479	1	Fitting, Straight JIC/ORB	
8	2220940	1	Fitting, 90 JIC/ORB	
9	2220946	1	Fitting, Straight JIC/ORB	
10	2220947	2	Fitting, Straight JIC/ORB	
11	3290605	1	Nut M6	
12	3422532	1	Pin	
15	70007827	1	O-Ring (Part of Item 20)	
14	3931618	2	Capscrew 3/8 x 1-1/8	
15	4811700	1	Washer M6	
16	4811702	1	Washer M6	
17	5241000	2	Washer M10	
18	5241200	2	Washer M12	
19	1001171953	1	Seal	
20	1001284471	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
21	1001190143	1	Gear Pump Assembly	
21	70006356	1	Seal Kit - 1001190143 Pump	
22	1001244508	1	Seal	
23	1001254279	1	Seal	
24	1001258905	1	Deutz D2.9L4 (China IV) Engine Assembly (See Separate Breakdown in this Section)	

FIGURE 3-37. DEUTZ D2.9L4 ENGINE ASSEMBLY (CHINA IV)



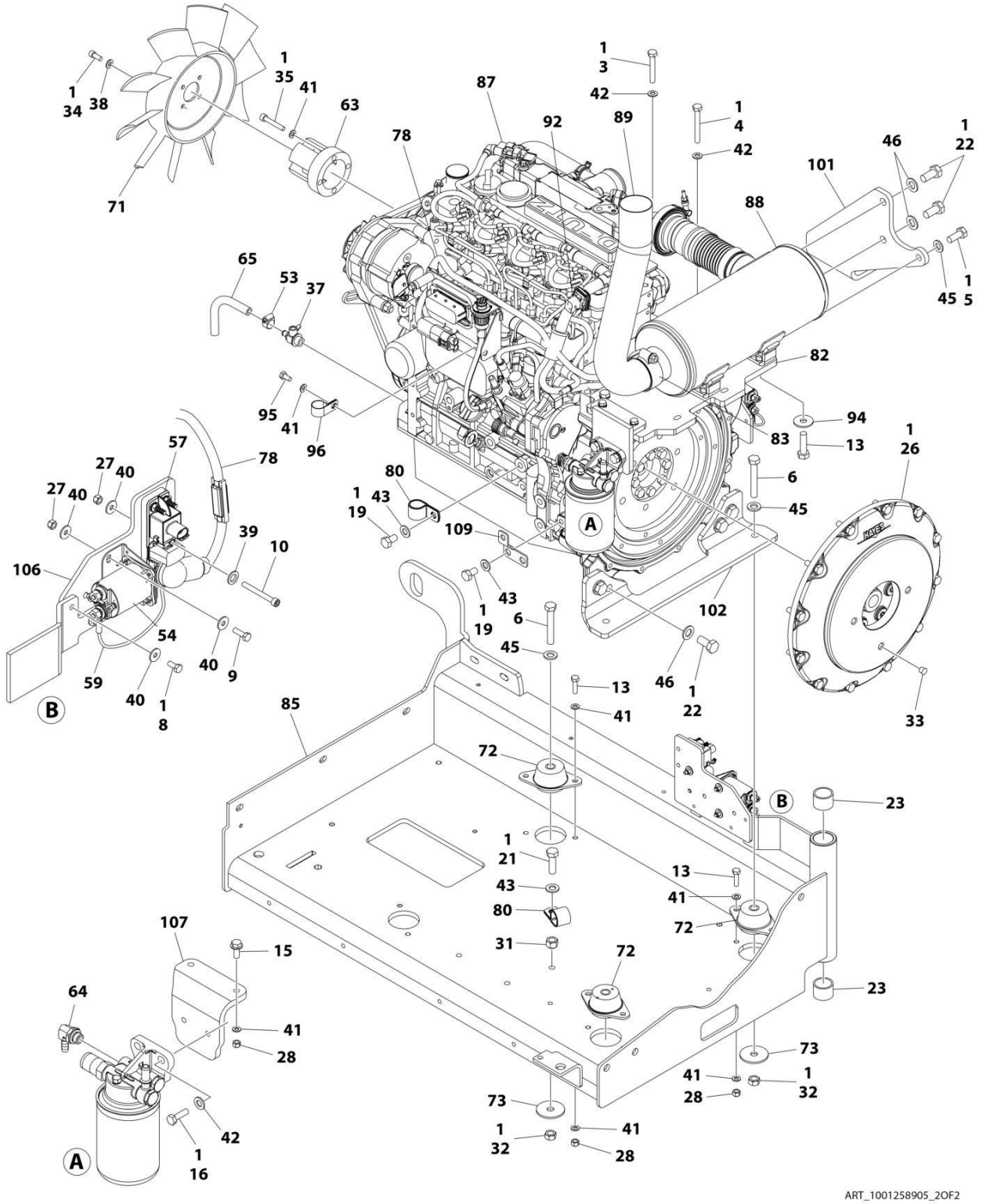

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FIGURE 3-37. DEUTZ D2.9L4 ENGINE ASSEMBLY (CHINA IV)

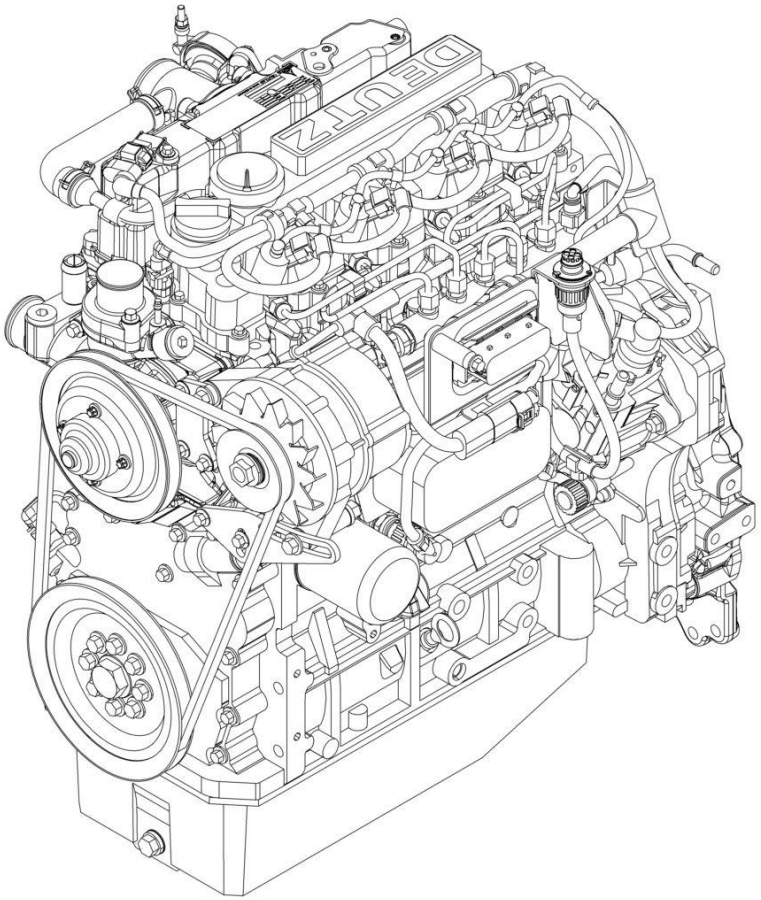
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258905	Ref	DEUTZ D2.9L4 ENGINE ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0701022	2	Bolt M10 x 70	
4	0701025	2	Bolt M10 x 85	
5	0711214	1	Bolt M12 x 30 Class 10.9	
6	0711224	3	Bolt M12 x 80 Class 10.9	
7	0741605	2	Screw 3/8 x 5/8	
8	0760607	3	Bolt M6 x 14	
9	0760610	2	Bolt M6 x 20	
10	0760619	1	Bolt M6 x 55	
11	0760810	8	Bolt M8 x 20	
12	0760812	1	Bolt M8 x 25	
13	0760814	10	Bolt M8 x 30	
14	0760815	2	Bolt M8 x 35	
15	0760816	2	Bolt M8 x 40	
16	0761012	2	Bolt M10 x 25	
17	0761016	5	Bolt M10 x 40	
18	0761017	4	Bolt M10 x 45	
19	0761210	3	Bolt M12 x 20	
20	0761214	2	Bolt M12 x 30	
21	0761216	1	Bolt M12 x 40	
22	0771414	6	Bolt M14 x 30	
23	0961951	2	Bushing	
24	1703162	2	Decal - Fan Blade	
25	2720015	AR	Hose	
26	2902065	1	Pump Coupling Kit (See Separate Breakdown in this Section)	
27	3290605	3	Nut, Lock M6	
28	3290805	11	Nut, Lock M8	
29	3291001	4	Nut M10	
30	3291005	5	Nut, Lock M10	
31	3291205	1	Nut, Lock M12	
32	3331211	3	Nut M12	
33	3520054	1	Plug	
34	3931512	4	Capscrew 5/16 x 3/4	
35	4031914	4	Capscrew M8 x 50	
36	4240099	AR	Tie-Strap (Not Shown)	
37	4640751	1	Drain, Oil	
38	4711500	4	Washer 5/16	
39	4811700	1	Washer M6	
40	4811702	8	Washer M6	
41	4811900	35	Washer M8	
42	4812000	10	Washer M10	
43	4812100	6	Washer M12	
44	5241000	10	Washer M10	
45	5241200	4	Washer M12	
46	5241400	6	Washer M14	
47	8405007	2	Clamp	
48	8405009	4	Clamp	
49	8405104	4	Clamp	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	8405202	1	Clamp	
51	8405204	1	Clamp	
52	8406109	2	Clip	
53	8410013	1	Clamp	
54	1001117308	1	Contactor	
56	1001136834	1	Cap, Tank	
57	1001138228	1	Relay	
58	1001138248	4.1 ft/ 1.25m	Tube	
59	1001141304	1	Harness, Glow Fuse	
60	1001141694	1	Clamp	
61	1001143390	1	Indicator, Air Filter Service	
62	1001143797	1	Fitting, Straight Barbed	
63	1001286568	1	Adapter	
64	1001152489	1	Fitting, 90 Barbed	
65	1001165035	7 in / 18cm	Hose	
66	1001165388	1	Filter, Air Cleaner	
66	70003783	1	Element, Filter	
67	1001165405	1	Hose, Radiator (Top)	
68	1001165406	1	Hose, Radiator (Bottom)	
69	1001165721	1	Hose	
70	1001287643	1	Radiator (See Separate Breakdown in this Section)	
71	1001288266	1	Fan	
72	1001166718	3	Isolator	
73	1001168018	3	Washer	
74	1001168099	1	Hose	
75	1001168166	2	Seal	
76	1001169054	4	Isolator	
77	1001169138	4	Pad, Snubbing	
78	1001178788	1	Cable, Alternator Power	
79	1001180620	AR	Adhesive	
80	1001191620	1	Clamp	
82	1001221203	1	Bracket, Muffler	
83	1001221212	1	Clamp	
84	1001230635	1	Tank, Surge	
84	1001134488	1	Fitting, 90 Barbed	
84	1001138827	1	Sensor, Coolant Level	
84	1001140564	1	Fitting, 90 Barbed	
85	1001243656	1	Support, Engine Tray	
86	1001245839	1	Engine Harness (Not Shown) (See Separate Breakdown in ELECTRICAL Section)	
87	1001258112	1	Deutz D2.9L4 (China IV) Engine (See Separate Breakdown in this Section)	
88	1001280270	1	Muffler	
89	1001260574	1	Pipe, Exhaust	
90	4460234	AR	Mount, Tie-Strap (Not Shown)	
91	1001146588	AR	Tie Strap, Fir Tree (Not Shown)	
92	1001281985	1	Connector	
93	1001281986	1	Connector	
94	4811902	4	Washer M8	
95	0760808	1	Bolt M8 x 16	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
96	8406201	1	Clip	
100	1001258499	1	Engine Brackets Kit	A
101	1001166921	1	Bracket, Engine - Right	
102	1001166924	1	Bracket, Engine - Rear	
103	1001168950	1	Bracket, Surge Tank	
104	1001169967	2	Bracket	
105	1001170035	2	Bracket	
106	1001179903	1	Bracket	
107	1001231805	1	Bracket, Fuel Filter	
108	1001243850	1	Support, Radiator	
109	1001258502	1	Bracket, Fuel Hose	

FIGURE 3-38. DUETZ D2.9L4 ENGINE COMPONENTS (CHINA IV)



ART_1001258112

FIGURE 3-38. DUETZ D2.9L4 ENGINE COMPONENTS (CHINA IV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001258112	Ref	DEUTZ D2.9L4 ENGINE COMPONENTS	B
	See Note	Ref	Note: No Service Parts Available at Time of Printing.	

FIGURE 3-39. FORD ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

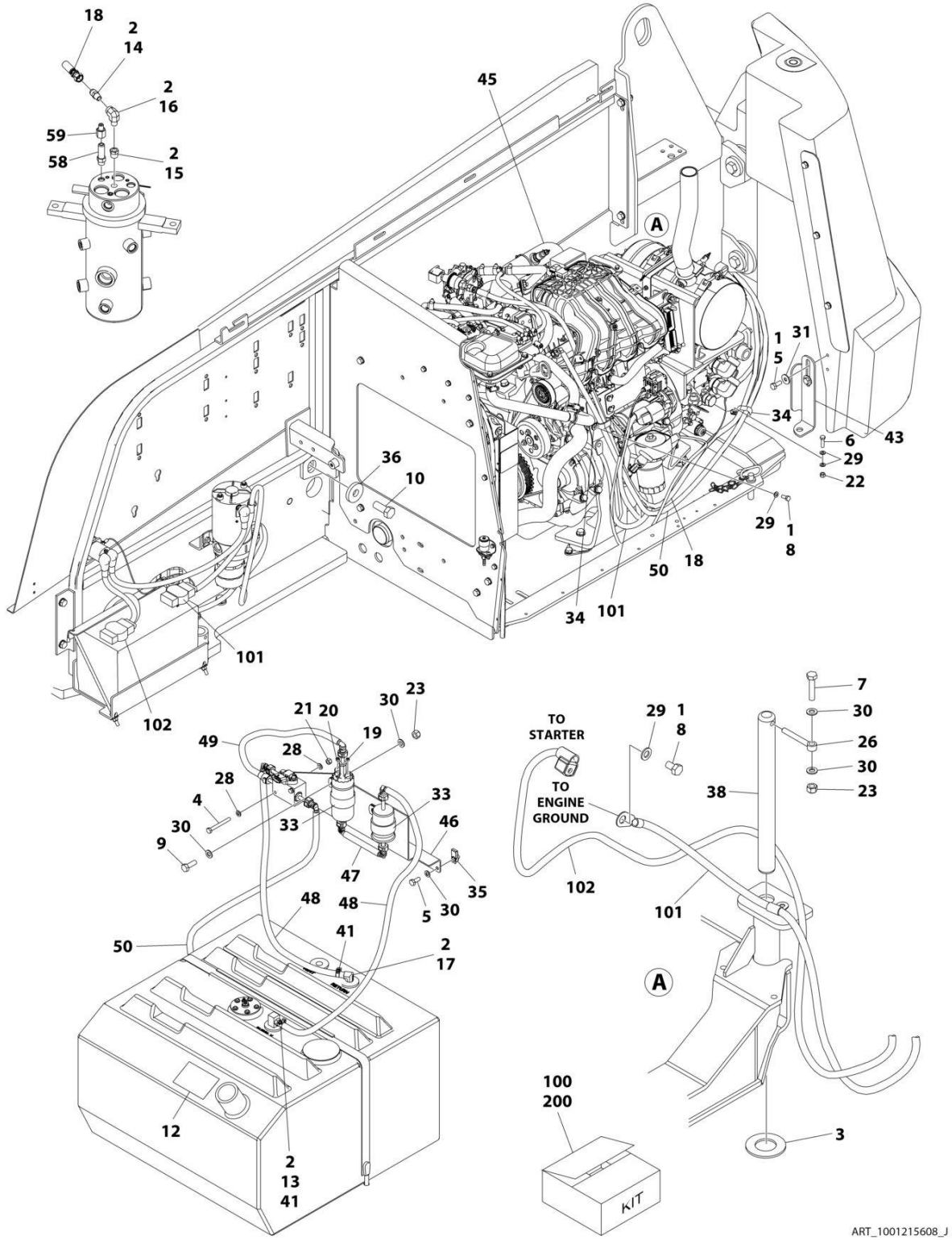


FIGURE 3-39. FORD ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215608	Ref	FORD ENGINE INSTALLATION	J
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700619	2	Bolt M6 x 55	
5	0701012	4	Bolt M10 x 25	
6	0760814	1	Bolt M8 x 30	
7	0711018	1	Bolt M10 x 50	
8	0760810	2	Bolt M8 x 20	
9	0761014	2	Bolt M10 x 30	
10	0772018	1	Bolt M20 x 50	
12	1701542	1	Decal - Gas	
13	2180348	1	Fitting, Straight NPT/BARB	
14	2180418	1	Fitting, Straight	
15	2221197	1	Fitting, Straight NPT	
16	1001247359	1	Fitting, 90	
17	2221176	1	Fitting, 90	
18	1001222133	1	Hose	
19	3290405	1	Nut M4	
20	3290505	1	Nut M5	
21	3290605	2	Nut M6	
22	3290805	1	Nut M8	
23	3291005	3	Nut M10	
25	3790012	1	O-Ring (Not Shown - Located on Platform Console)	
26	3841143	1	Keeper, Pin	
27	4740397	1	Spacer (Not Shown - Located on Platform Console)	
28	4811700	4	Washer M6	
29	4811900	4	Washer M8	
30	4812000	8	Washer M10	
31	4812002	2	Washer M10	
33	85941018	2	Clamp	
34	1321283	2	Clamp	
35	1001118972	2	Nut, Tinnerman	
36	1001119051	1	Washer	
37	1001115044	1	Nut 15/32 (Not Shown - Located on Platform Console)	
38	1001155094	1	Pin	
39	1001161710	1	Switch, Toggle (Not Shown - Located on Platform Console)	
41	1001174486	2	Clamp	
43	1001196398	1	Bracket	
45	1001215610	1	Ford Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
46	1001219005	1	Bracket	
47	1001219015	1	Hose	
48	1001219021	2	Hose	
49	1001219022	1	Hose	
50	1001219024	1	Hose	
56	1701543	2	Decal - LPG (Not Shown - See DECALS INSTALLATION - OPTIONS for Locations)	
57	4240099	1	Tie-Strap (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	2220998	1	Fitting, Straight JIC/ORB	
59	2220609	1	Fitting, Straight JIC/FSJIC	
100	1001236136	1	Battery Cable Kit	
101	1001215220	1	Cable, Battery (-) to Aux Pump to Ground	
102	1001215219	1	Cable, Battery (+) to Aux Ready to Starter	
200	1001269921	1	Engine Hose Kit	
201	1001203432	1	Hose (Drive Suction) (Not Shown)	
202	1001221942	1	Hose (Function Suction) (Not Shown)	
203	1001221943	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
204	1001221944	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	

FIGURE 3-40. FORD ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

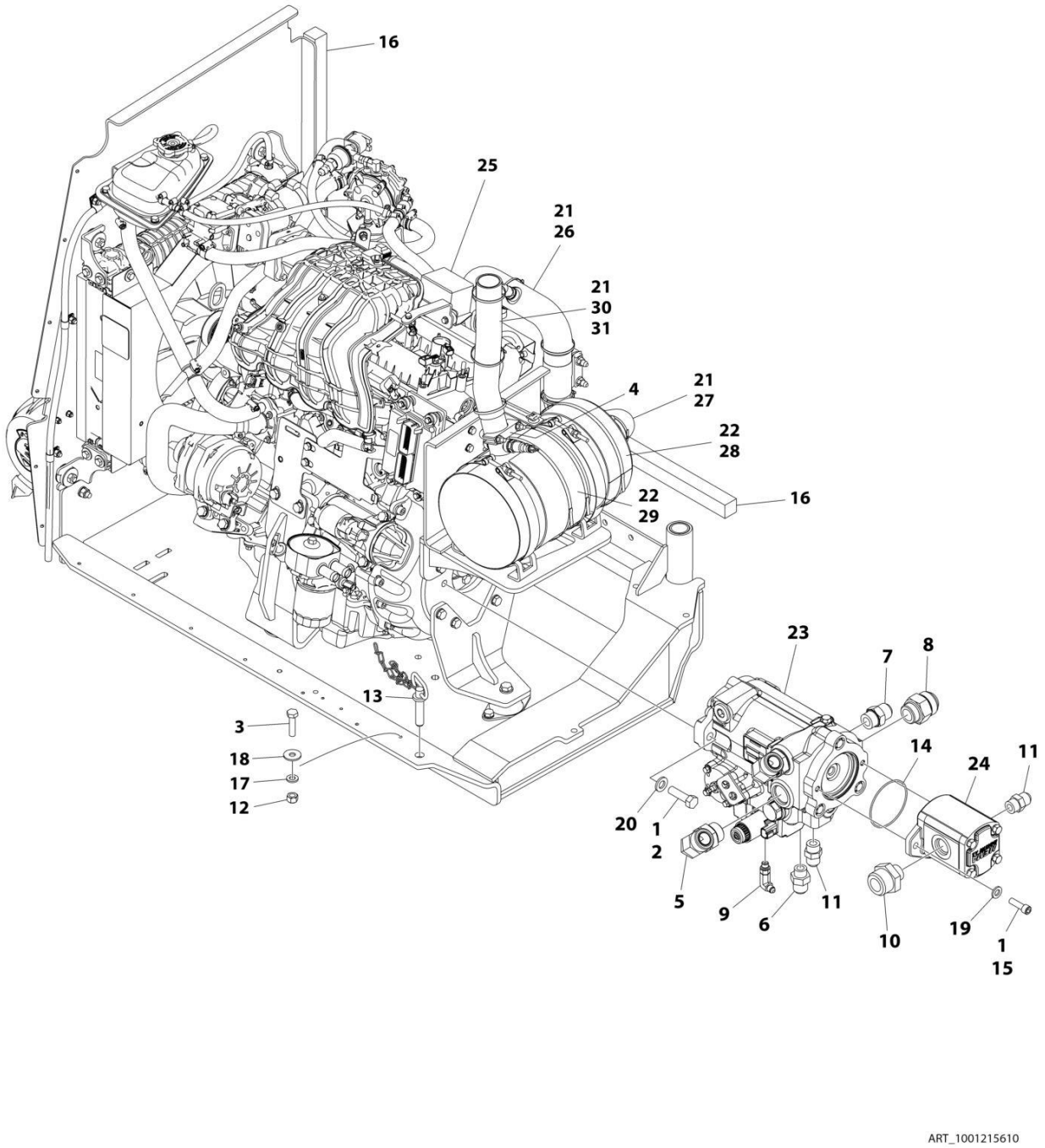
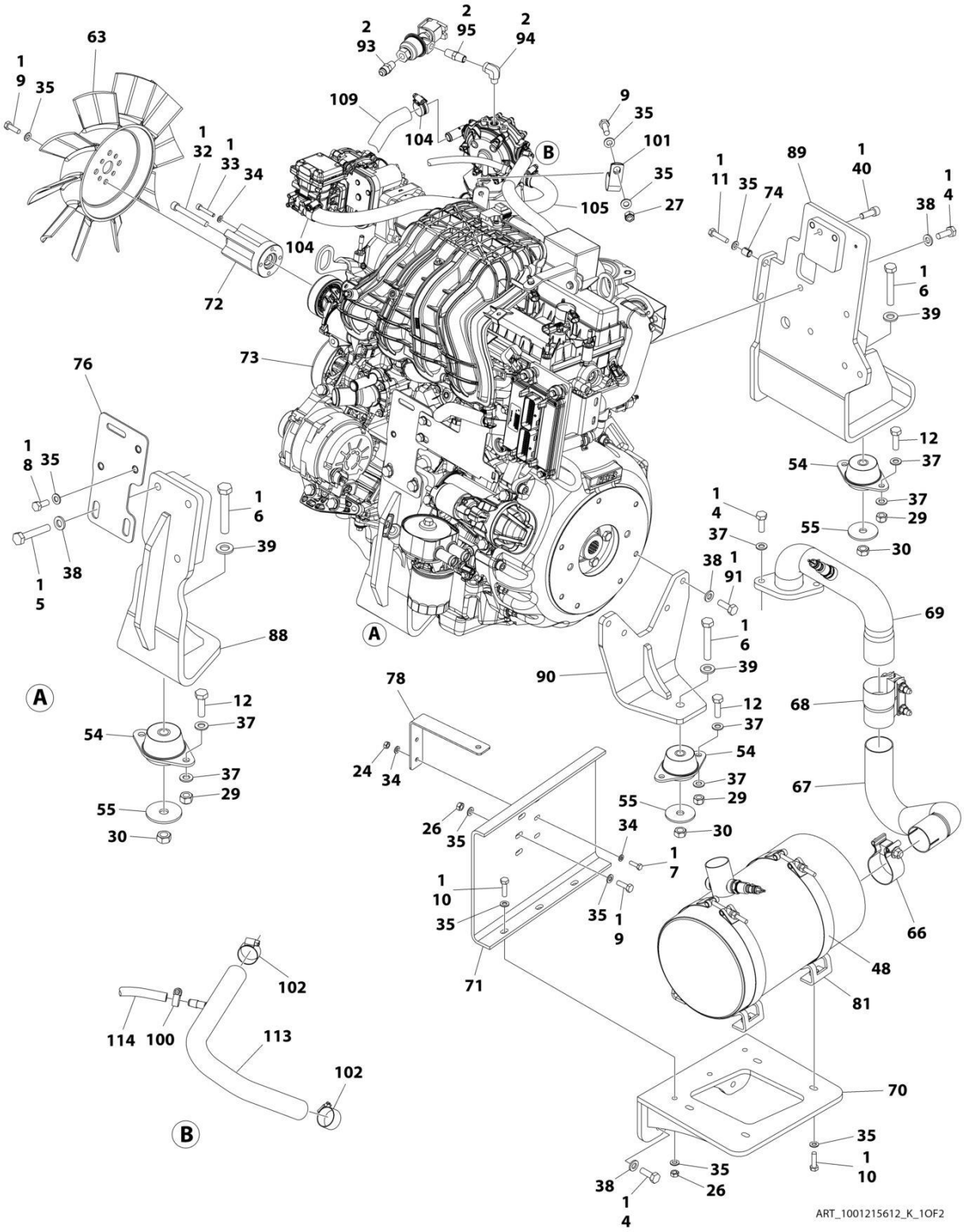


FIGURE 3-40. FORD ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITHOUT ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215610	Ref	FORD ENGINE AND PUMPS SUB-ASSEMBLY	F
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760612	1	Bolt M6 x 25	
4	1001221397	1	Clamp	
5	2131616	2	Fitting, 90 ORFS/ORB	
6	2220408	1	Fitting, Straight JIC/ORB	
7	2220451	1	Fitting, Straight ORB/JIC	
8	2220479	1	Fitting, Straight JIC/ORB	
9	2220940	1	Fitting, 90 JIC/ORB	
10	2220946	1	Fitting, Straight JIC/ORB	
11	2220947	2	Fitting, Straight JIC/ORB	
12	3290605	1	Nut M6	
13	3422532	1	Pin	
14	3790152	1	O-Ring	
15	3931620	2	Capscrew 3/8 x 1-1/4	
15	3931618	2	Capscrew 3/8 x 1-1/8	
16	3960469	2	Seal	
17	4811700	1	Washer M6	
18	4811702	1	Washer M6	
19	5241000	2	Washer M10	
20	5241200	2	Washer M12	
21	1001100825	9	Strap	
22	1001221464	3	Strap	
23	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
24	1001190143	1	Gear Pump Assembly	
24	70006356	1	Seal Kit - 1001190143 Pump	
25	1001215612	1	Ford Engine Assembly (See Separate Breakdown in this Section)	
26	1001216532	1	Insulate, Exhaust	
27	1001216533	1	Insulate, Exhaust	
28	1001216534	1	Insulate, Muffler	
29	1001216535	1	Insulate, Muffler	
30	1001216947	1	Pipe, Exhaust	
31	1001217563	1	Insulate, Exhaust	

FIGURE 3-41. FORD ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE



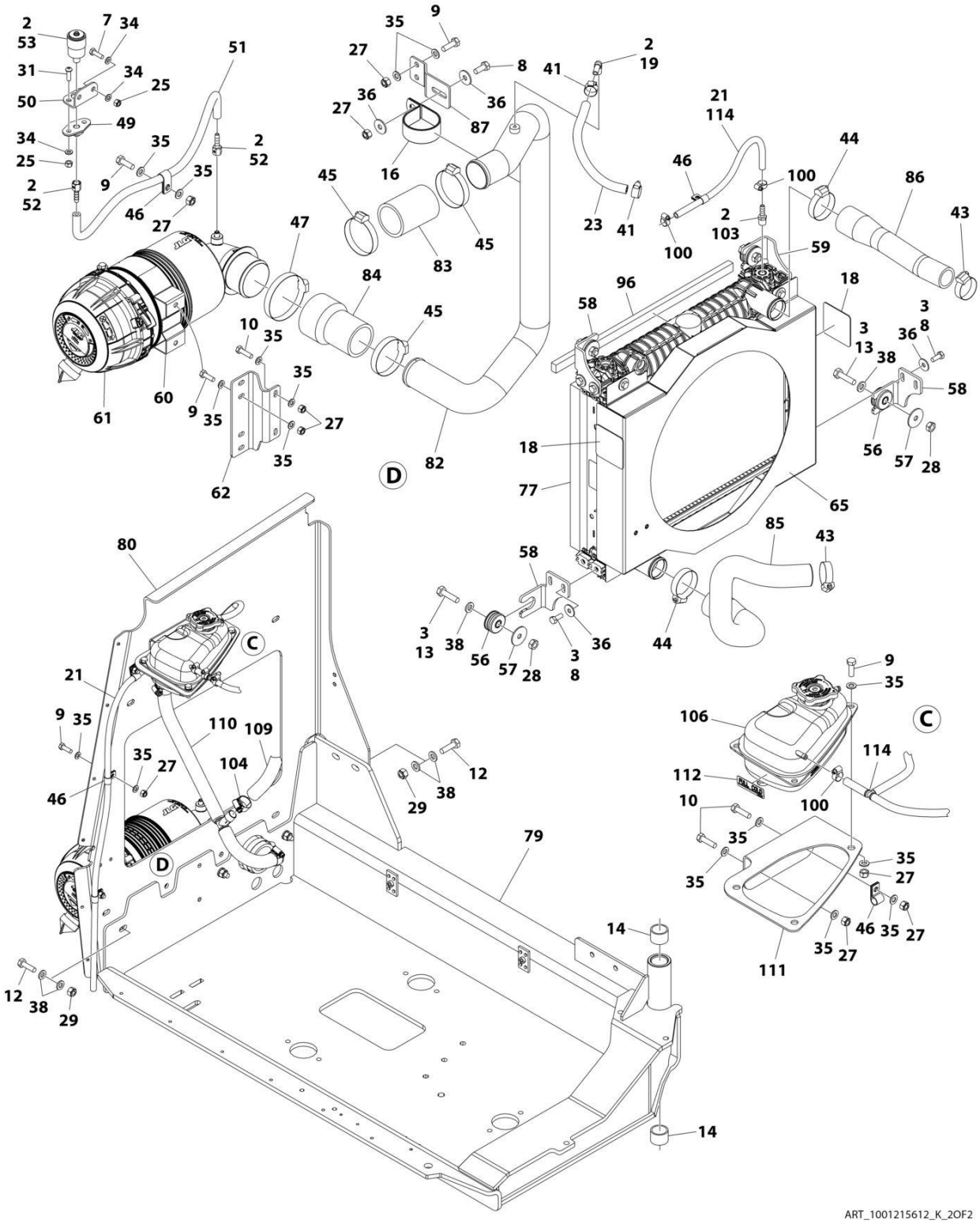

ART_1001215612_K_2OF2

FIGURE 3-41. FORD ENGINE ASSEMBLY - WITHOUT ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215612	Ref	FORD ENGINE ASSEMBLY	K
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	1001180620	AR	Adhesive	
4	0711014	10	Bolt M10 x 30	
5	0711020	3	Bolt M10 x 60	
6	0711223	3	Bolt M12 x 75	
7	0760610	4	Bolt M6 x 20	
8	0760810	11	Bolt M8 x 20	
9	0760812	18	Bolt M8 x 25	
10	0760814	11	Bolt M8 x 30	
11	0760815	2	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0761016	4	Bolt M10 x 40	
14	0961951	2	Bushing	
16	1320110	1	Clamp	
18	1703162	2	Decal - Fan Blade	
19	2180467	1	Fitting, Straight NPT/Barb	
21	2720058	AR	Hose, Fuel	
23	1001165035	11 in/ 28cm	Hose	
24	3290601	2	Nut M6	
25	3290605	4	Nut M6	
26	3290801	5	Nut M8	
27	3290805	17	Nut M8	
28	3291001	4	Nut M10	
29	3291005	11	Nut M10	
30	3331211	3	Nut M12	
31	3900364	2	Capscrew M6 x 20	
32	3931648	1	Capscrew 3/8 x 3	
33	4031711	1	Capscrew M6 x 35	
34	4811700	14	Washer M6	
35	4811900	54	Washer M8	
36	4811902	10	Washer M8	
37	4812000	14	Washer M10	
38	5241000	30	Washer M10	
39	5241200	3	Washer M12	
40	5272010	1	Capscrew M10 x 30	
41	8405006	2	Clamp	
43	8405102	2	Clamp	
44	8405104	2	Clamp	
45	8405203	3	Clamp	
46	8406109	AR	Clip	
47	8410011	1	Clamp	
48	1001128901	2	Strap	
49	1001138173	1	Support	
50	1001138175	1	Bracket	
51	1001138248	23 in/.6m	Hose	
52	1001141995	2	Fitting, Straight NPT/Barbed	
53	1001149639	1	Indicator, Restriction	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	1001191610	3	Mount, Motor	
55	1001168018	3	Washer	
56	1001169054	4	Isolator	
57	1001169138	4	Pad, Snubbing	
58	1001169967	3	Bracket	
59	1001170035	1	Bracket	
60	1001186426	1	Clamp	
61	1001189979	1	Filter, Air	
61	70005008	1	Element, Filter	
62	1001190942	1	Support	
63	1001223042	1	Fan	
64	1001215218	1	Engine Harness - Ford Engines (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
65	1001223923	1	Radiator	
66	1001215681	1	Clamp	
67	1001215899	1	Pipe, Exhaust	
68	1001215974	1	Clamp	
69	1001216075	1	Pipe, Exhaust	
70	1001216086	1	Bracket	
71	1001216092	1	Shield, Heat	
72	1001216201	1	Adapter	
73	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
74	1001216919	2	Sleeve	
76	1001222033	1	Plate	
77	1001217185	2	Seal	
78	1001217186	1	Support	
79	1001217450	1	Tray	
80	1001217453	1	Support, Radiator	
81	1001217543	2	Mount	
82	1001217593	1	Pipe, Air Intake	
83	1001217594	1	Pipe, Air Intake	
84	1001217595	1	Pipe, Air Intake	
85	1001217647	1	Hose, Radiator (Lower)	
86	1001217648	1	Hose, Radiator (Upper)	
87	1001218471	1	Bracket	
88	1001218559	1	Mount, Engine (RH Front)	
89	1001218565	1	Mount, Engine (LH Front)	
90	1001218575	1	Mount, Engine (Rear)	
91	0761014	4	Bolt M10 x 30	
92	1001187781	1	Tie-Strap (Not Shown)	
93	2180418	1	Fitting	
94	1001247359	1	Fitting, 90	
95	2220261	1	Fitting	
96	1001217183	2	Seal	
100	8405009	AR	Gear	
101	8406201	1	Clip	
102	8410009	AR	Clamp	
103	8420231	1	Fitting, Barb	
104	1001173535	6	Clamp	
105	1001216531	25 in/ 63cm	Hose	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
106	1001223584	1	Tank, Surge	
109	1001224486	1	Hose	
110	1001224489	1	Hose	
111	1001225442	1	Bracket	
112	1001225510	1	Decal - Full Cold, Surge Tank	
113	1001227666	1	Hose	
114	1001227667	1	Hose	

FIGURE 3-42. FORD ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

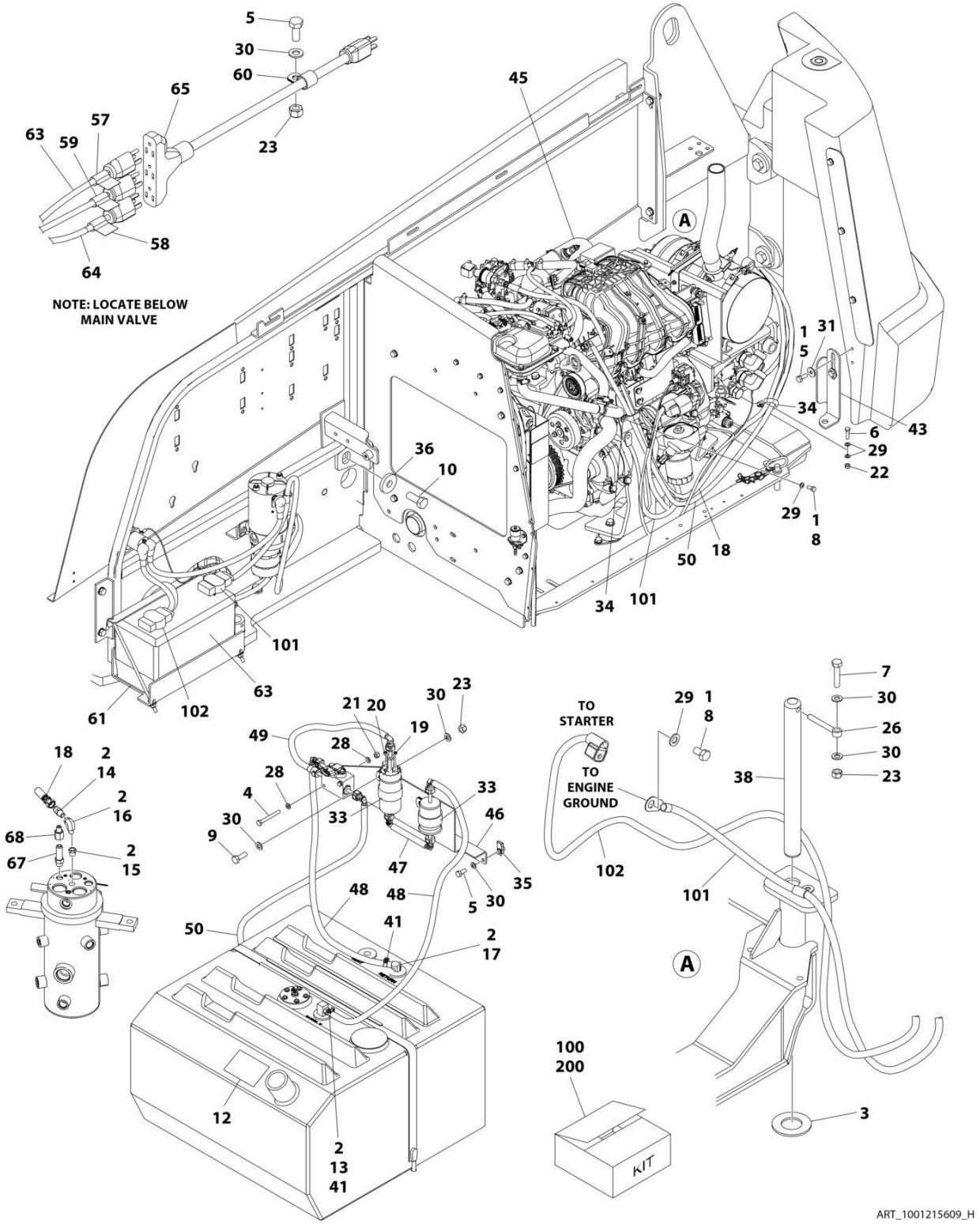


FIGURE 3-42. FORD ENGINE INSTALLATION - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215609	Ref	FORD ENGINE INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0440162	1	Bearing	
4	0700619	2	Bolt M6 x 55	
5	0701012	5	Bolt M10 x 25	
6	0760814	1	Bolt M8 x 30	
7	0711018	1	Bolt M10 x 50	
8	0760810	2	Bolt M8 x 20	
9	0761014	2	Bolt M10 x 30	
10	0772018	1	Bolt M20 x 50	
12	1701542	1	Decal - Gas	
13	2180348	1	Fitting, Straight NPT/BARB	
14	2180418	1	Fitting, Straight	
15	2221197	1	Fitting, Straight NPT	
16	1001247359	1	Fitting, 90	
17	2221176	1	Fitting, 90	
18	1001222133	1	Hose	
19	3290405	1	Nut M4	
20	3290505	1	Nut M5	
21	3290605	2	Nut M6	
22	3290805	1	Nut M8	
23	3291005	4	Nut M10	
25	3790012	1	O-Ring (Not Shown - Located on Platform Console)	
26	3841143	1	Keeper, Pin	
27	4740397	1	Spacer (Not Shown - Located on Platform Console)	
28	4811700	4	Washer M6	
29	4811900	4	Washer M8	
30	4812000	9	Washer M10	
31	4812002	2	Washer M10	
33	85941018	2	Clamp	
34	1321283	2	Clamp	
35	1001118972	2	Nut, Tinnerman	
36	1001119051	1	Washer	
37	1001115044	1	Nut 15/32 (Not Shown - Located on Platform Console)	
38	1001155094	1	Pin	
39	1001161710	1	Switch, Toggle (Not Shown - Located on Platform Console)	
41	1001174486	2	Clamp	
43	1001196398	1	Bracket	
45	1001215611	1	Ford Engine and Pumps Sub-Assembly (See Separate Breakdown in this Section)	
46	1001219005	1	Bracket	
47	1001219015	1	Hose	
48	1001219021	2	Hose	
49	1001219022	1	Hose	
50	1001219024	1	Hose	
56	1701543	2	Decal - LPG (Not Shown - See DECALS INSTALLATION - OPTIONS for Locations)	
57	1702941	1	Decal - Battery Heater	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	1702942	1	Decal - Engine Block Heater	
59	1702943	1	Decal - Hydraulic Tank Heater	
60	1320061	1	Clamp	
61	3980007	1	Seat, Battery	
62	1001188972	1	Heater, Immersion (Not Shown - Located on Hydraulic Tank)	
63	2580024	1	Heater, Battery	
64	1001150918	1	Cable, Extension Cord	
65	1060626	1	Plug, 3 Way	
66	4240099	2	Tie-Strap (Not Shown)	
67	2220998	1	Fitting, Straight JIC/ORB	
68	2220609	1	Fitting, Straight JIC/FSJIC	
100	1001236136	1	Battery Cable Kit	
101	1001215220	1	Cable, Battery (-) to Aux Pump to Ground	
102	1001215219	1	Cable, Battery (+) to Aux Ready to Starter	
200	1001269921	1	Engine Hose Kit	
201	1001203432	1	Hose (Drive Suction) (Not Shown)	
202	1001221942	1	Hose (Function Suction) (Not Shown)	
203	1001221943	1	Hose (Case Drain) (Drive Pump Case Outlet Port to Tank) (Not Shown)	
204	1001221944	1	Hose (Case Drain) (Drive Pump Case Gauge Port to Tank) (Not Shown)	

FIGURE 3-43. FORD ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

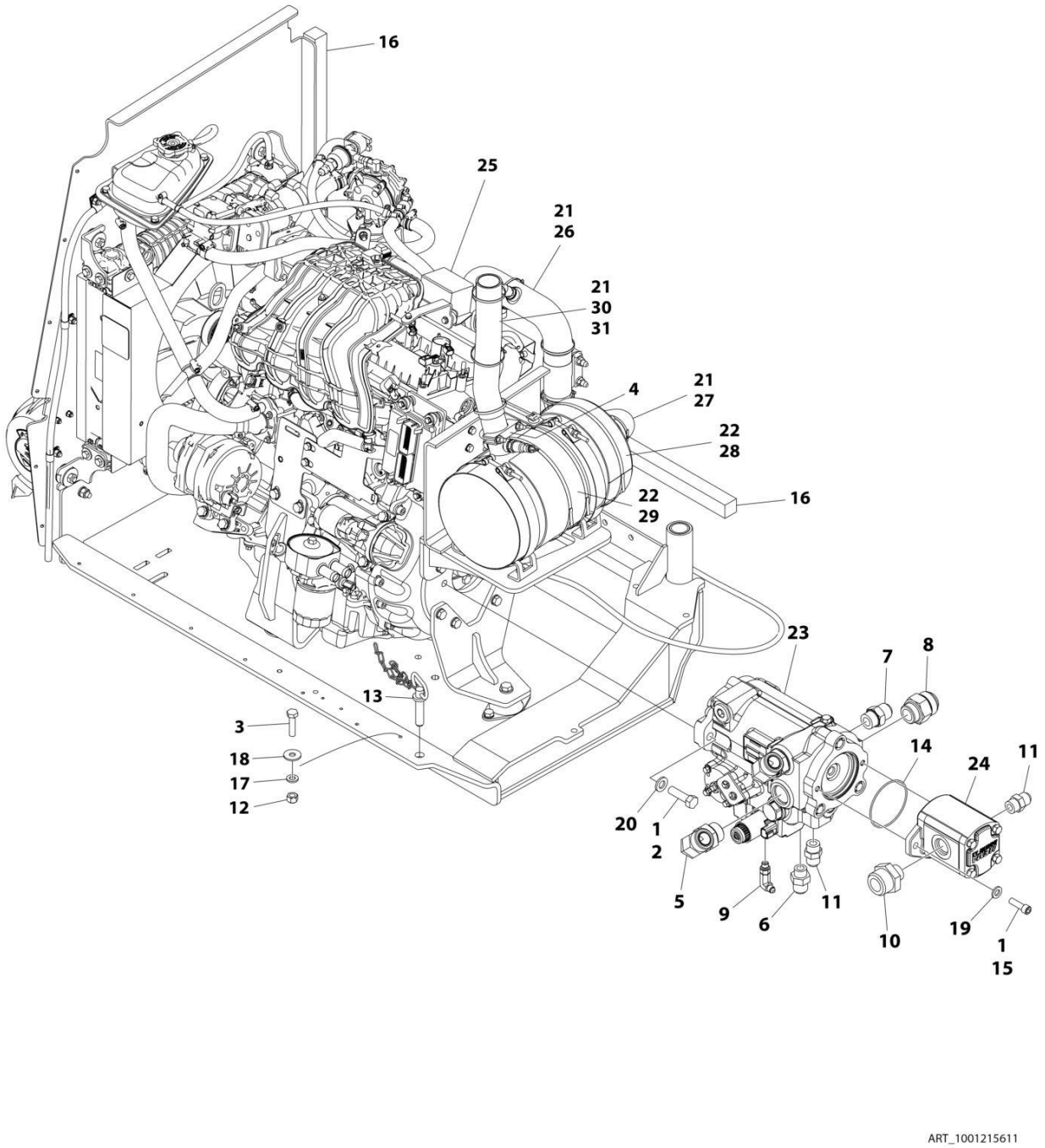
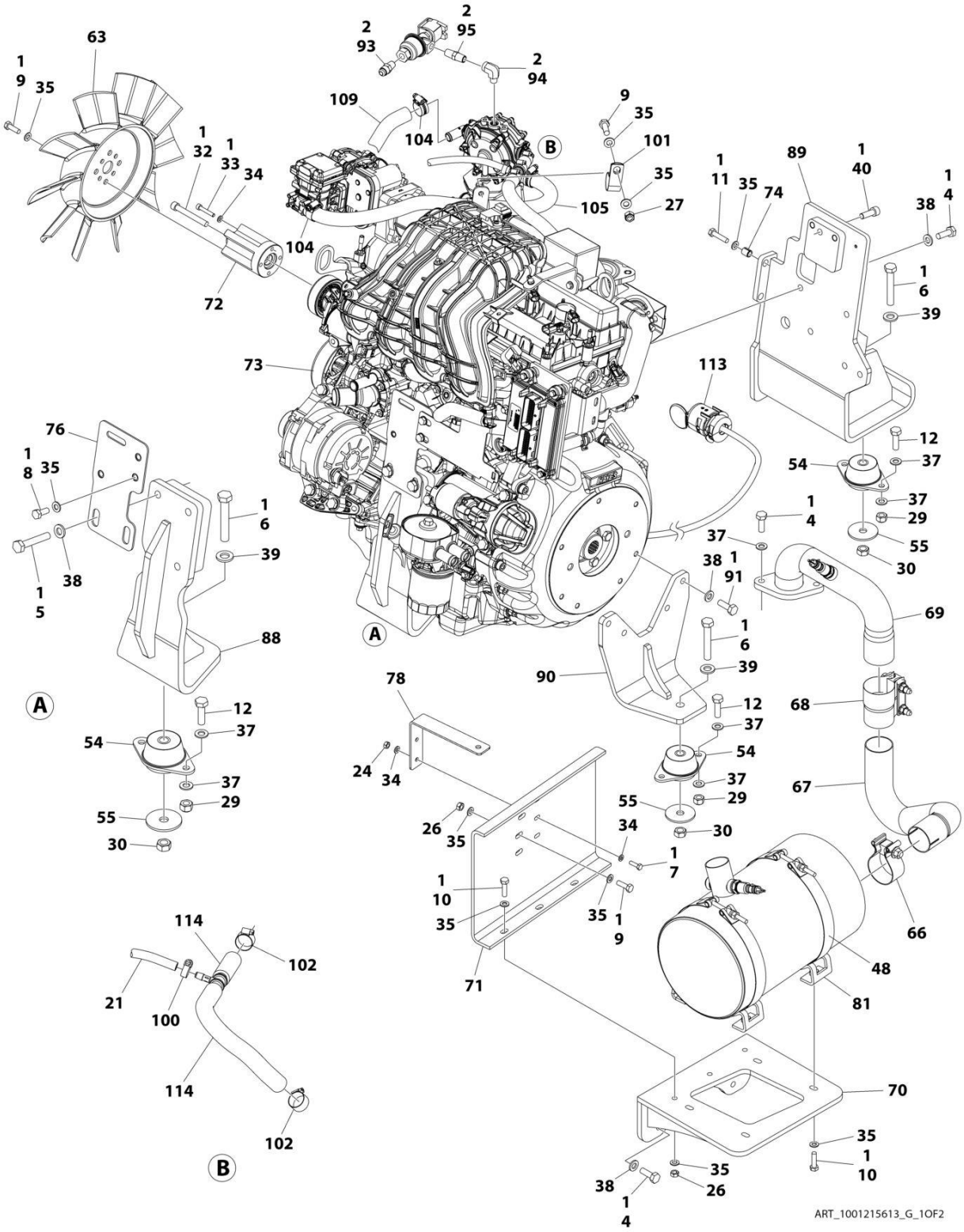


FIGURE 3-43. FORD ENGINE AND PUMPS SUB-ASSEMBLY - DANFOSS VARIABLE PUMP (WITH ARCTIC PACKAGE)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215611	Ref	FORD ENGINE AND PUMPS SUB-ASSEMBLY	C
1	0100011	AR	Compound, Locking	
2	0641814	2	Bolt 1/2 x 1-3/4	
3	0760612	1	Bolt M6 x 25	
4	1001221397	1	Clamp	
5	2131616	2	Fitting, 90 ORFS/ORB	
6	2220408	1	Fitting, Straight JIC/ORB	
7	2220451	1	Fitting, Straight ORB/JIC	
8	2220479	1	Fitting, Straight JIC/ORB	
9	2220940	1	Fitting, 90 JIC/ORB	
10	2220946	1	Fitting, Straight JIC/ORB	
11	2220947	2	Fitting, Straight JIC/ORB	
12	3290605	1	Nut M6	
13	3422532	1	Pin	
14	3790152	1	O-Ring	
15	3931620	2	Capscrew 3/8 x 1-1/4	
15	3931618	2	Capscrew 3/8 x 1-1/8	
16	3960469	2	Seal	
17	4811700	1	Washer M6	
18	4811702	1	Washer M6	
19	5241000	2	Washer M10	
20	5241200	2	Washer M12	
21	1001100825	9	Strap	
22	1001221464	3	Strap	
23	1001184930	1	Piston Pump Assembly (See Separate Breakdown in this Section)	
24	1001190143	1	Gear Pump Assembly	
24	70006356	1	Seal Kit - 1001190143 Pump	
25	1001215613	1	Ford Engine Assembly (See Separate Breakdown in this Section)	
26	1001216532	1	Insulate, Exhaust	
27	1001216533	1	Insulate, Exhaust	
28	1001216534	1	Insulate, Muffler	
29	1001216535	1	Insulate, Muffler	
30	1001216947	1	Pipe, Exhaust	
31	1001217563	1	Insulate, Exhaust	

FIGURE 3-44. FORD ENGINE ASSEMBLY - WITH ARCTIC PACKAGE



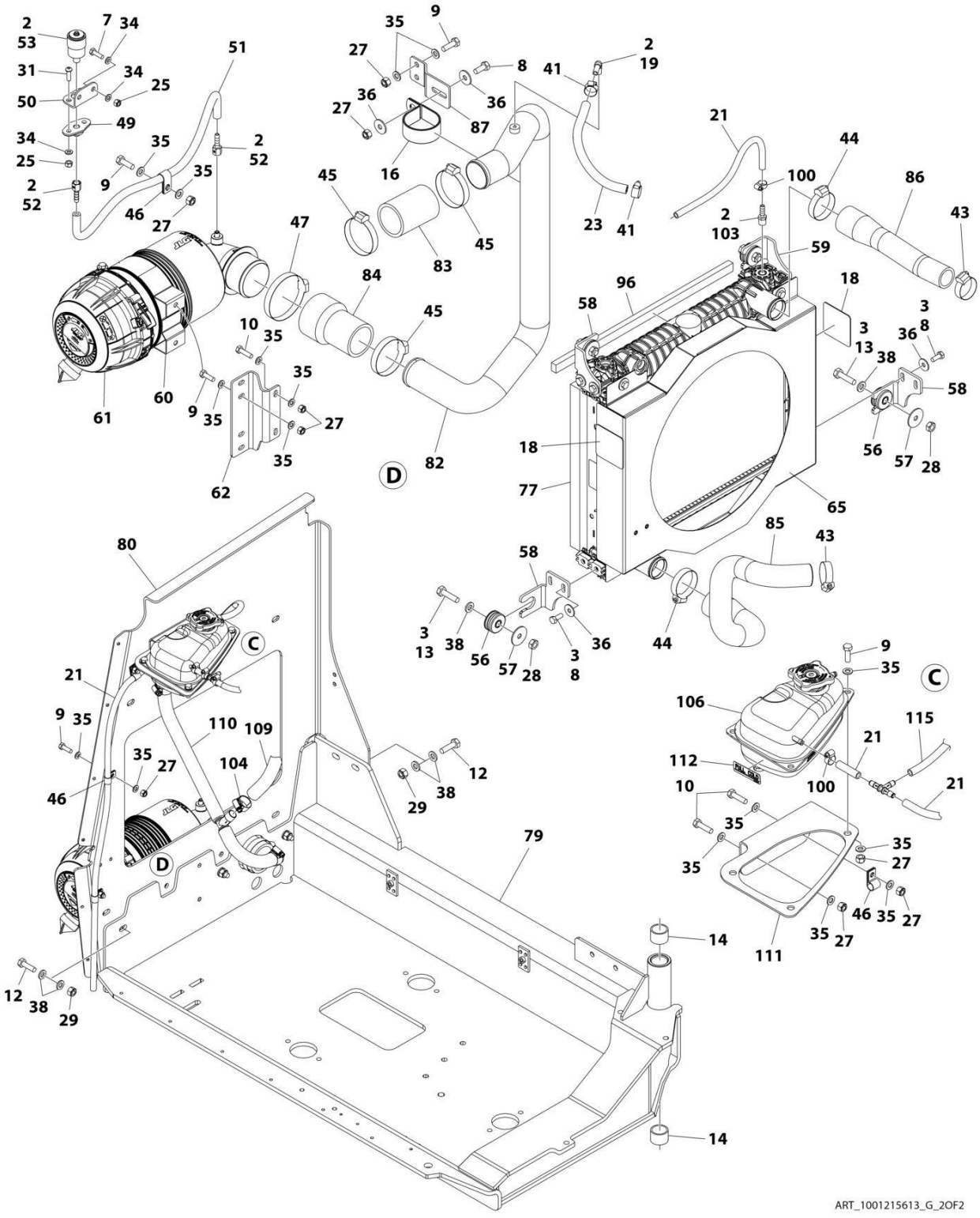

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FIGURE 3-44. FORD ENGINE ASSEMBLY - WITH ARCTIC PACKAGE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215613	Ref	FORD ENGINE ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	1001180620	AR	Adhesive	
4	0711014	10	Bolt M10 x 30	
5	0711020	3	Bolt M10 x 60	
6	0711223	3	Bolt M12 x 75	
7	0760610	4	Bolt M6 x 20	
8	0760810	11	Bolt M8 x 20	
9	0760812	18	Bolt M8 x 25	
10	0760814	11	Bolt M8 x 30	
11	0760815	2	Bolt M8 x 35	
12	0761015	11	Bolt M10 x 35	
13	0761016	4	Bolt M10 x 40	
14	0961951	2	Bushing	
16	1320110	1	Clamp	
18	1703162	2	Decal - Fan Blade	
19	2180467	1	Fitting, Straight NPT/Barb	
21	2720058	95 in/2.5m	Hose, Fuel	
23	1001165035	1	Hose	
24	3290601	2	Nut M6	
25	3290605	4	Nut M6	
26	3290801	5	Nut M8	
27	3290805	17	Nut M8	
28	3291001	4	Nut M10	
29	3291005	11	Nut M10	
30	3331211	3	Nut M12	
31	3900364	2	Capscrew M6 x 20	
32	3931648	1	Capscrew 3/8 x 3	
33	4031711	4	Capscrew M6 x 35	
34	4811700	14	Washer M6	
35	4811900	54	Washer M8	
36	4811902	10	Washer M8	
37	4812000	14	Washer M10	
38	5241000	30	Washer M10	
39	5241200	3	Washer M12	
40	5272010	1	Capscrew M10 x 30	
41	8405006	2	Clamp	
43	8405102	2	Clamp	
44	8405104	2	Clamp	
45	8405203	3	8405203	
46	8406109	6	Clip	
47	8410011	1	Clamp	
48	1001128901	2	Strap	
49	1001138173	1	Support	
50	1001138175	1	Bracket	
51	1001138248	23 in/.6m	Hose	
52	1001141995	2	Fitting, Straight NPT/Barbed	
53	1001149639	1	Indicator, Restriction	
54	1001191610	3	Mount, Motor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	1001168018	3	Washer	
56	1001169054	4	Isolator	
57	1001169138	4	Pad, Snubbing	
58	1001169967	3	Bracket	
59	1001170035	1	Bracket	
60	1001186426	1	Clamp	
61	1001189979	1	Filter, Air	
61	70005008	1	Element, Filter	
62	1001190942	1	Support	
63	1001223042	1	Fan	
64	1001215218	1	Engine Harness - Ford Engines (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
65	1001223923	1	Radiator	
66	1001215681	1	Clamp	
67	1001215899	1	Pipe, Exhaust	
68	1001215974	1	Clamp	
69	1001216075	1	Pipe, Exhaust	
70	1001216086	1	Bracket	
71	1001216092	1	Shield, Heat	
72	1001216201	1	Adapter	
73	1001216910	1	Ford Engine Prep Assembly (See Separate Breakdown in this Section)	
74	1001216919	2	Sleeve	
76	1001222033	1	Plate	
77	1001217185	2	Seal	
78	1001217186	1	Support	
79	1001217450	1	Tray	
80	1001217453	1	Support, Radiator	
81	1001217543	2	Mount	
82	1001217593	1	Pipe, Air Intake	
83	1001217594	1	Pipe, Air Intake	
84	1001217595	1	Pipe, Air Intake	
85	1001217647	1	Hose, Radiator (Lower)	
86	1001217648	1	Hose, Radiator (Upper)	
87	1001218471	1	Bracket	
88	1001218559	1	Mount, Engine (RH Front)	
89	1001218565	1	Mount, Engine (LH Front)	
90	1001218575	1	Mount, Engine (Rear)	
91	0761014	4	Bolt M10 x 30	
92	1001187781	1	Tie-Strap (Not Shown)	
93	2180418	1	Fitting	
94	1001247359	1	Fitting, 90	
95	2220261	1	Fitting	
96	1001217183	2	Seal	
100	8405009	3	Gear	
101	8406201	1	Clip	
102	8410009	2	Clamp	
103	8420231	1	Fitting, Barb	
104	1001173535	6	Clamp	
105	1001216531	25 in/ 63cm	Hose	
106	1001223584	1	Tank, Surge	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	1001224486	1	Hose	
110	1001224489	1	Hose	
111	1001225442	1	Bracket	
112	1001225510	1	Decal - Full Cold, Surge Tank	
113	1001216393	1	Heater, Block	
114	1001227666	1	Hose	
115	1001227667	1	Hose	

FIGURE 3-45. FORD ENGINE PREP ASSEMBLY

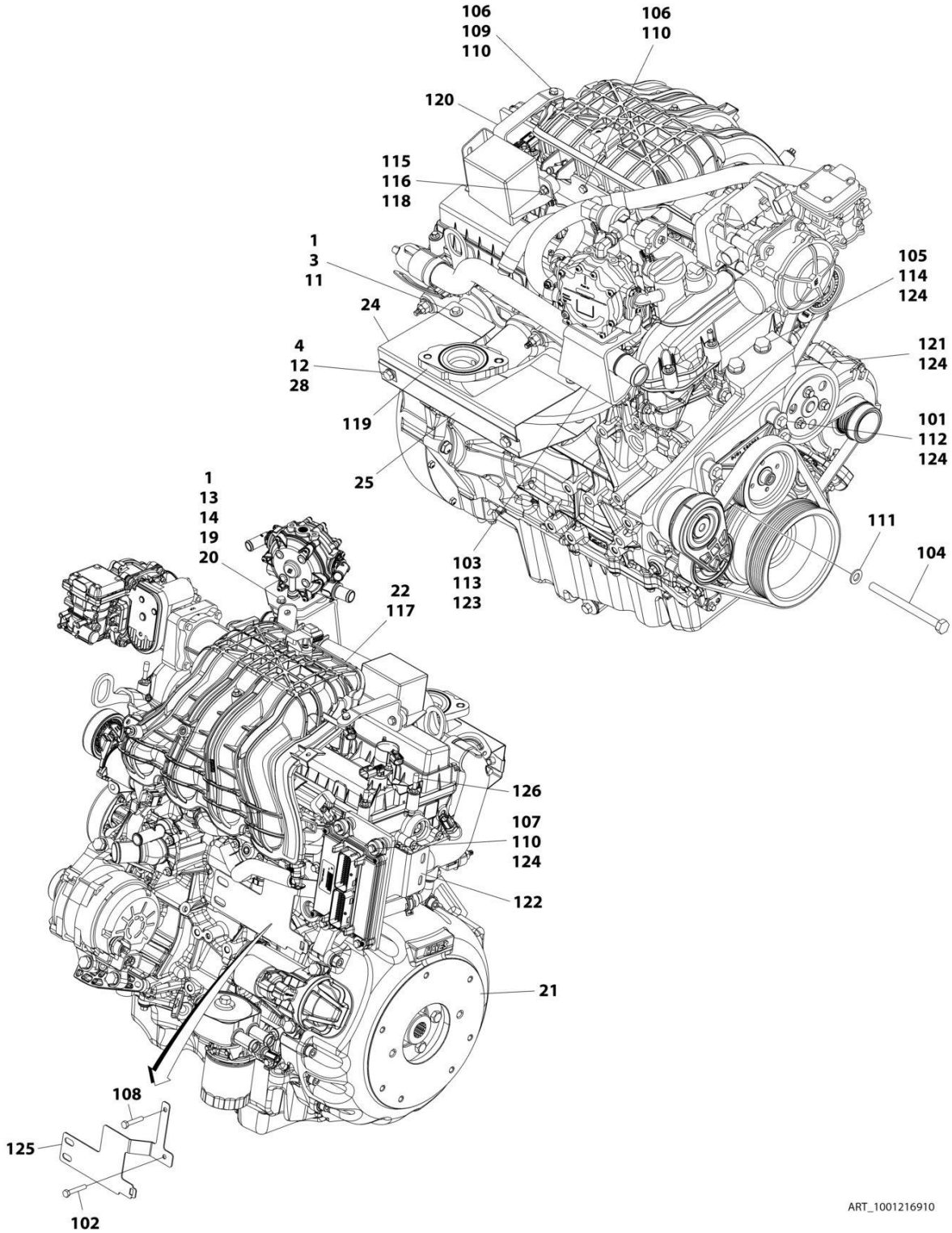


FIGURE 3-45. FORD ENGINE PREP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001216910	Ref	FORD ENGINE PREP ASSEMBLY	F
1	0100011	AR	Compound, Locking	
3	0760605	4	Bolt M6 x 10	
4	0760807	2	Bolt M8 x 14	
11	4811702	4	Washer M6	
12	4811900	2	Washer M8	
13	5250605	3	Bolt M6 x 10	
14	5260600	1	Nut M6 Class 10	
19	1001211794	3	Mount, Isolator	
20	1001227769	1	Plate	
21	1001213810	1	Pump Coupling Kit	
21	70006134	1	Coupling	
21	70006135	1	Housing	
21	70006136	1	Hardware Kit	
22	1001216065	1	Ford Engine Assembly (See Items 101-126 for Breakdown)	
24	1001216768	1	Bracket	
25	1001216769	1	Bracket	
28	1001149160	2	Nut, Tinnerman M8	
	1001216065	Ref	FORD ENGINE PREP ASSEMBLY - BRACKETS/EXHAUST MANIFOLD	M
101	0700816	4	Bolt M8 x 40	
102	0700818	1	Bolt M8 x 50	
103	0701014	2	Bolt M10 x 30	
104	0710827	1	Bolt M8 x 100 Grade 10.9	
105	0711216	2	Bolt M12 x 40	
106	0760610	3	Bolt M6 x 20	
107	0760615	4	Bolt M6 x 35	
108	0760817	1	Bolt M8 x 45	
109	3290601	1	Nut M6	
110	4811700	8	Washer M6	
111	4811900	1	Washer M8	
112	4811902	4	Washer M8	
113	4812000	1	Washer M10	
114	4812100	2	Washer M12	
115	5250605	2	Bolt M6 x 10	
116	5260600	2	Nut M6 Class 10	
117	1001210448	1	Engine, Ford 2.5L (See Separate Breakdown in this Section)	
118	1001211794	2	Mount	
119	1001214827	1	Manifold, Exhaust	
120	1001215384	1	Bracket	
121	1001216071	1	Bracket	
122	1001216144	1	Support, Muffler	
123	1001227772	1	Mount, Vaporizer	
124	0100011	AR	Compound, Locking	
125	1001221545	1	Plate	
126	1001222641	6	Cap	

FIGURE 3-46. FORD ENGINE COMPONENTS

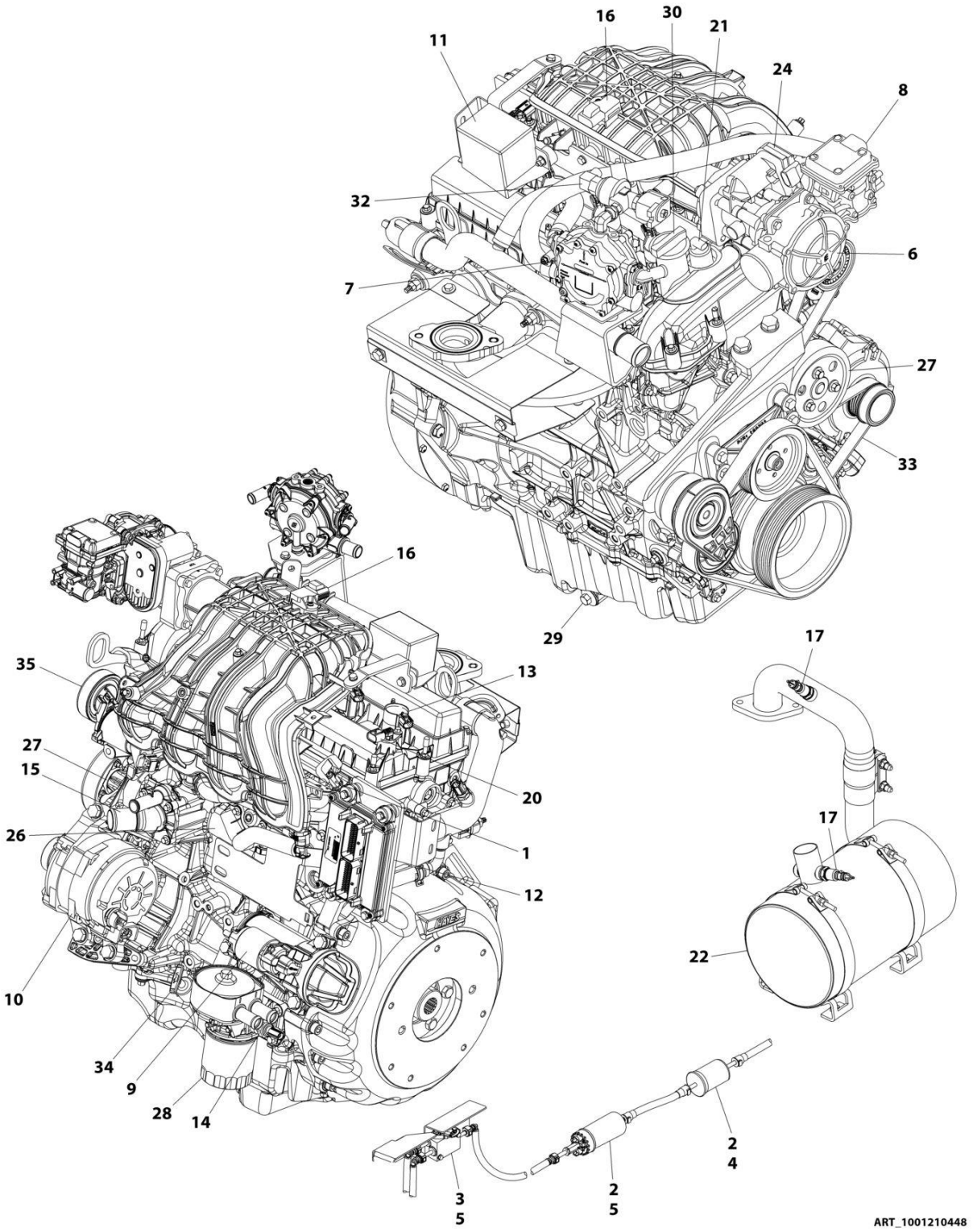


FIGURE 3-46. FORD ENGINE COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001210448	Ref	FORD ENGINE COMPONENTS	H
1	70006145	4	Injector, Fuel	
1	70006147	1	Rail, Fuel	
2	70006150	1	Pump, Fuel	
2	70006154	1	Fitting M10	
3	70006151	1	Block, Fuel	
3	70006152	2	Fitting SAE6	
3	70006153	1	Fitting SAE3	
3	70006189	1	Harness, Fuel Block	
4	70006155	1	Filter, Fuel	
5	7022162	8	Clamp	
5	70006157	8	Clip, Fuel Quick Disconnect	
6	70006158	1	Mixer, LP	
6	70006168	1	Mixer Diaphragm Replacement Kit	
6	70006159	1	Adapter, Mixer to Governor	
6	70006160	1	O-Ring, Mixer to Adapter	
6	70006161	1	Seal, Mixer to Adapter	
7	70006162	1	Regulator, LP Vapor	
7	70006166	2	Fitting	
7	70006167	1	Fitting, Straight	
7	70006165	2	Isolator, Rubber	
8	70006163	1	Regulator, Direct Electronic Pressure	
8	70006164	1	Adapter, Fitting 90	
9	70006169	1	Starter	
9	70006233	1	Harness, Alternator/Starter	
10	70006170	1	Alternator	
11	70006173	1	Cover, Relay Box	
11	70006171	2	Relay (Fuel Pump & Power)	
11	70006172	1	Relay (Starter)	
11	70006175	1	Fuse - 20Amp (Starter)	
11	70006174	1	Decal - Relay Box Cover	
11	70006188	1	Harness, Engine	
11	70006165	2	Isolator, Rubber	
12	70006176	1	Module - Engine Control Unit (ECU/GCP)	
12	70006191	1	Software & Diagnostic Cable	
13	70006177	4	Coil and Boot Assembly	
13	70006178	4	Plug, Spark	
14	70006179	1	Switch, Oil Pressure	
15	70006180	1	Sensor, Knock	
16	70006181	1	Sensor, TMAP	
17	70006182	2	Sensor, O2	
18	70006183	1	Sensor, Coolant Temperature (Not Shown - Located Rear of Engine Block)	
19	70006184	1	Sensor, Crank Position (Not Shown - Located at Front RH Side of Block)	
20	70006185	1	Sensor, Cam Position	
21	70006186	1	Solenoid, Timing	
21	70006187	1	Grommet, Rubber	
22	70006194	1	Muffler	
22	70006195	1	Plug (Located at Muffler Outlet)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23		Ref	Gasket Options (Not Shown)	
23	70006196	1	Gasket, Exhaust Manifold to Head	
23	70006197	1	Gasket, Exhaust Manifold Outlet	
23	70006200	1	Gasket, Intake Manifold to Head	
23	70006219	1	Gasket Set - Camshaft Cover	
23	70006225	1	Gasket, Cylinder Head	
24	70006198	1	Governor	
24	7027404	1	Gasket, Governor Actuator	
24	70006199	1	Gasket, Governor to Intake Manifold Adapter	
25	70006203	1	Flywheel (Not Shown)	
26	70006205	1	Thermostat (Includes Housing)	
26	70006206	1	Gasket, Water Inlet	
27	70006207	1	Pump, Water	
27	70006208	1	O-Ring, Water Pump	
27	See Note	NSS	Pulley, Water Pump (Note: Not Available for Purchase at This Time)	
28	70006213	1	Filter, Oil	
29	70006215	1	Plug, Oil Drain	
29	70006217	1	Gasket, Oil Drain Plug	
30	70006221	1	Cap, Oil Fill	
31	70006232	1	Sensor, Crank (Not Shown)	
32	70006235	1	Valve, Lock-Off (Includes Filter)	
33	70006202	1	Belt	
34	70006236	1	Dipstick	
35	70007108	1	Belt Tensioner	

FIGURE 3-47. PUMP COUPLING KIT (DEUTZ ENGINES)

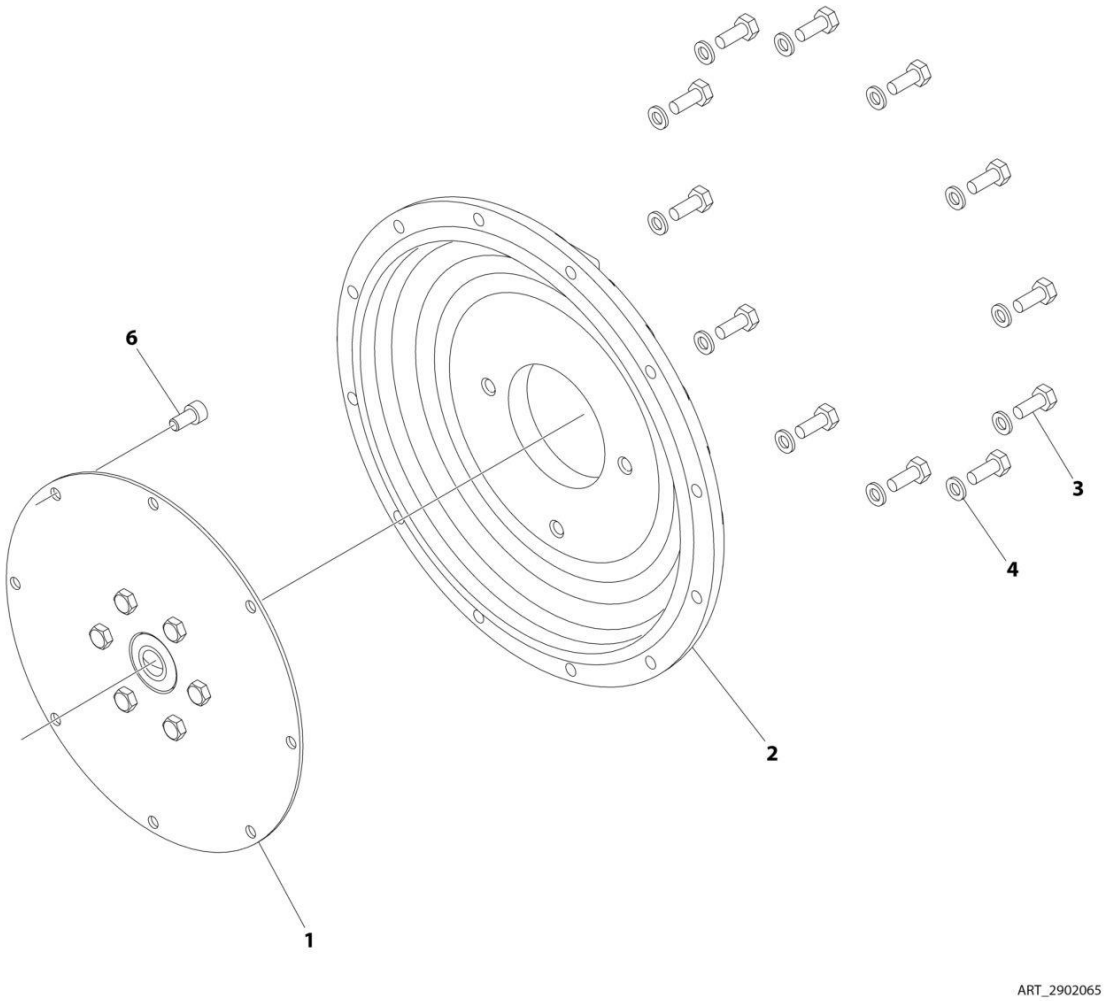
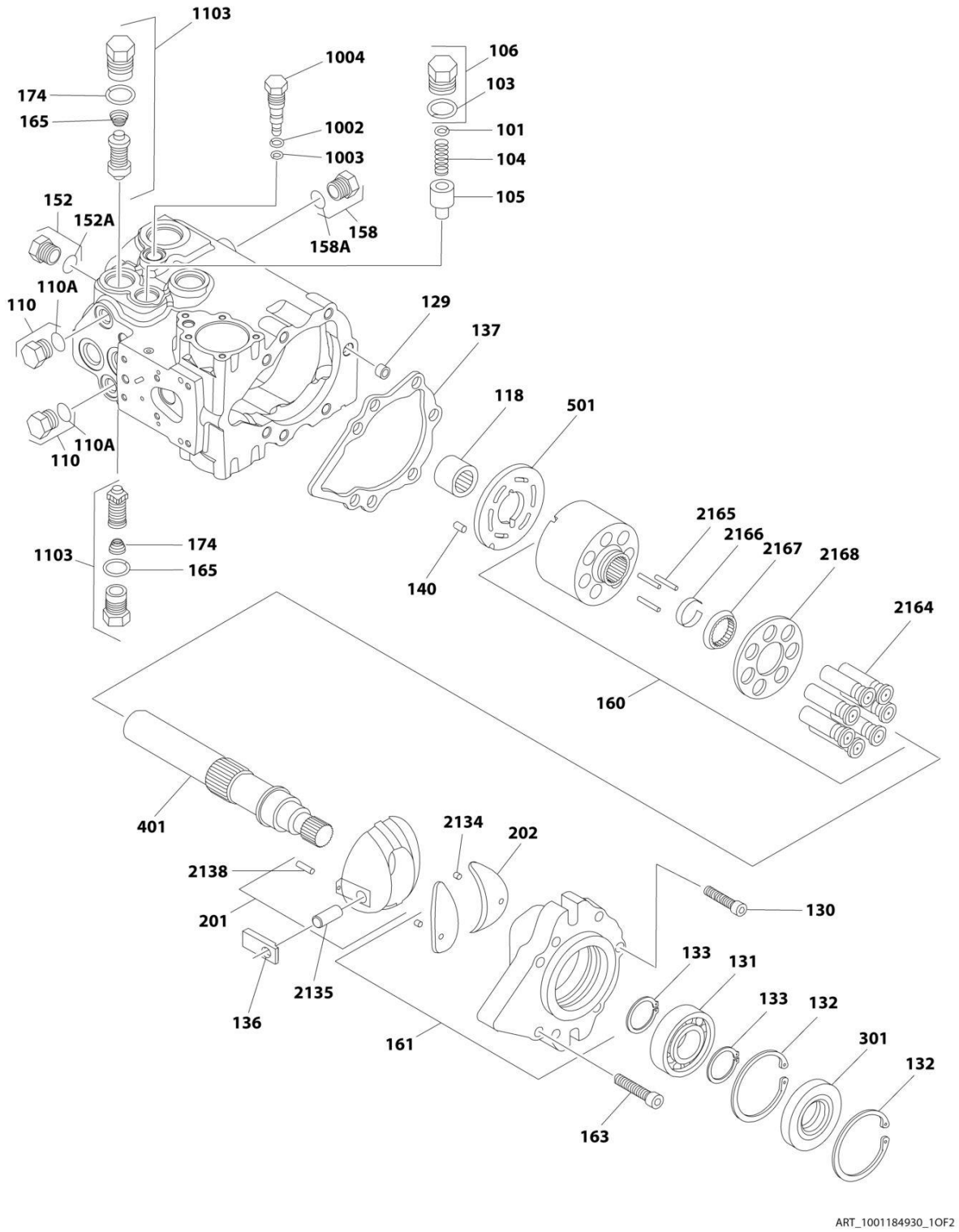


FIGURE 3-47. PUMP COUPLING KIT (DEUTZ ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902065	Ref	PUMP COUPLING KIT	L
1	70000793	1	Coupling, Hayes	
2	See Note	NSS	Plate, Pump Adapter (Note: Use p/n 2902065)	
3	See Note	NSS	Bolt M10 x 30 Grade 10.9 (Note: Use p/n 2902065)	
4	See Note	NSS	Washer M10 (Note: Use p/n 2902065)	
6	See Note	NSS	Bolt M10 x 20 Grade 10.9 (Note: Use p/n 2902065)	

FIGURE 3-48. PISTON PUMP ASSEMBLY - DANFOSS



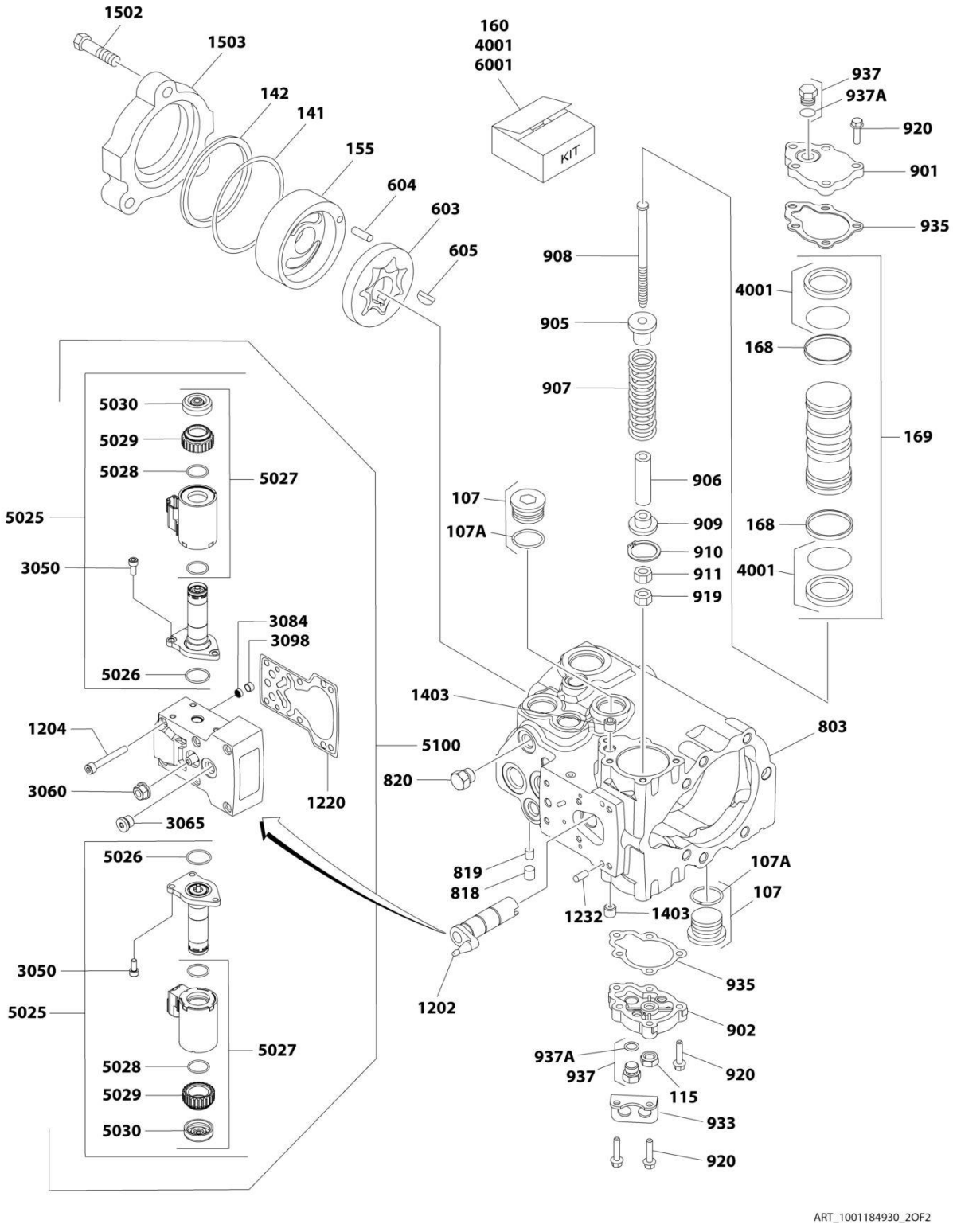

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1503
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141
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4001
6001
KIT
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937A
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901
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905
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169
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107A
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1204
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937A
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1202
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ART_1001184930_2OF2

FIGURE 3-48. PISTON PUMP ASSEMBLY - DANFOSS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184930	Ref	PISTON PUMP ASSEMBLY	C
101	7007413	1	Shim Kit	
103	7007415	1	O-Ring (Part of Item 106)	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	7024874	2	Plug (Includes Item 103)	
107	7007419	2	Plug	
107A	7007418	2	O-Ring	
110	7007420	2	Plug	
110A	7021256	2	O-Ring	
115	7007423	1	Nut, Special	
118	7007425	1	Bearing, Needle	
129	7007435	1	Pin, Spring	
130	7021202	1	Screw	
131	70002176	1	Bearing, Ball	
132	7007438	2	Ring, Retainer	
133	7007439	2	Ring	
136	7007442	1	Sleeve, Bearing	
137	7007443	1	Gasket, Front Cover	
140	7007446	1	Pin	
141	7021233	1	O-Ring	
142	7007448	1	Ring, Load Temper	
152	7007420	1	Plug, Assembly	
152A	7021256	1	O-Ring	
155	70005466	1	Cover, Gerotor	
158	7007208	1	Plug	
158A	7007207	1	O-Ring	
160	7010116	1	Cylinder Block Kit (Includes Items 2164-2168)	
161	7024875	1	Cover Assembly - Front (Includes Items 202 & 2134)	
163	7021207	6	Screw	
165	70005467	2	Spring	
168	7021210	2	Bearing	
169	70005468	1	Servo Piston Assembly (Includes Items 168 & QB)	
174	7007418	2	O-Ring	
201	7007457	1	Swash Plate Assembly (Includes Items 2135 & 2138)	
202	7021212	1	Journal, Bearing	
301	7007459	1	Seal, Lip	
401	7010121	1	Shaft, Main Pump	
501	7021214	1	Plate, Valve	
603	7007463	1	Gerotor Assembly	
604	7007464	1	Pin	
605	7007465	1	Key, Woodruff	
803	See Note	NSS	Housing, Pump (Note: Use p/n 1001184930)	
818	70005469	1	Plug	
819	70005470	1	Plug	
820	70005469	1	Plug	
901	7021219	1	Cover, Servo (With Adjuster)	
902	7021220	1	Cover, Servo (Without Adjuster)	
905	7023979	1	Guide, Spring	
906	7007484	1	Stop, Servo	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
907	7007485	1	Spring	
908	7021221	1	Screw	
909	7007487	1	Guide, Spring	
910	7007488	1	Ring, Retaining	
911	7021222	1	Locknut	
919	7021206	1	Nut	
920	7021223	10	Screw	
933	7021201	1	Bracket, Lifting	
935	7007422	2	Gasket, Servo Cover	
937	7007420	2	Plug	
937A	7021256	2	O-Ring	
1002	7007450	1	Ring, Back-up	
1003	70005471	1	O-Ring	
1004	7024877	1	Valve, Bypass	
1103	7024851	2	Valve, Pressure Relief (Includes Items 165 & 174)	
1202	70005472	1	Sleeve	
1204	70002156	6	Screw	
1220	70002154	1	Gasket	
1232	70002157	2	Pin	
1403	7007477	2	Plug, Orifice	
1502	7007453	3	Bolt, Hex	
1503	7007476	1	Adapter, Auxiliary Pump	
2134	7021203	2	Pin, Spring	
2135	7007441	1	Handle, Pin	
2138	7007444	1	Pin	
2164	7010117	7	Piston Assembly	
2165	7007431	3	Pin, Slipper Holddown	
2166	7007430	1	Retainer	
2167	7007434	1	Guide, Retainer	
2168	7010119	1	Retainer, Slipper	
3050	70002150	6	Screw	
3060	7022301	1	Nut, Seal	
3065	70002151	1	Plug	
3084	70002134	1	Screen	
3098	70002153	1	Ring	
4001	7007412	1	Seal Kit - Servo Piston	
5025	70002147	2	Solenoid Assembly (Includes Items 5026-5030)	
5026	70002148	2	O-Ring	
5027	70002149	2	Coil Assembly (Includes Items 5028-5030)	
5028	70005474	2	O-Ring	
5029	70005475	2	Screw	
5030	70005476	2	Cap	
5100	70002146	1	EDC Assembly (Includes Items 1204, 1220, 3050-3098 & 5025-5030)	
6001	7021232	1	Seal Kit - Complete (Includes Items 103, 137, 141, 142, 168, 174, 301, 935, 1002, 1003, 4001 and Plug O-Ring)	

FIGURE 3-49. PISTON PUMP ASSEMBLY - HENGLI

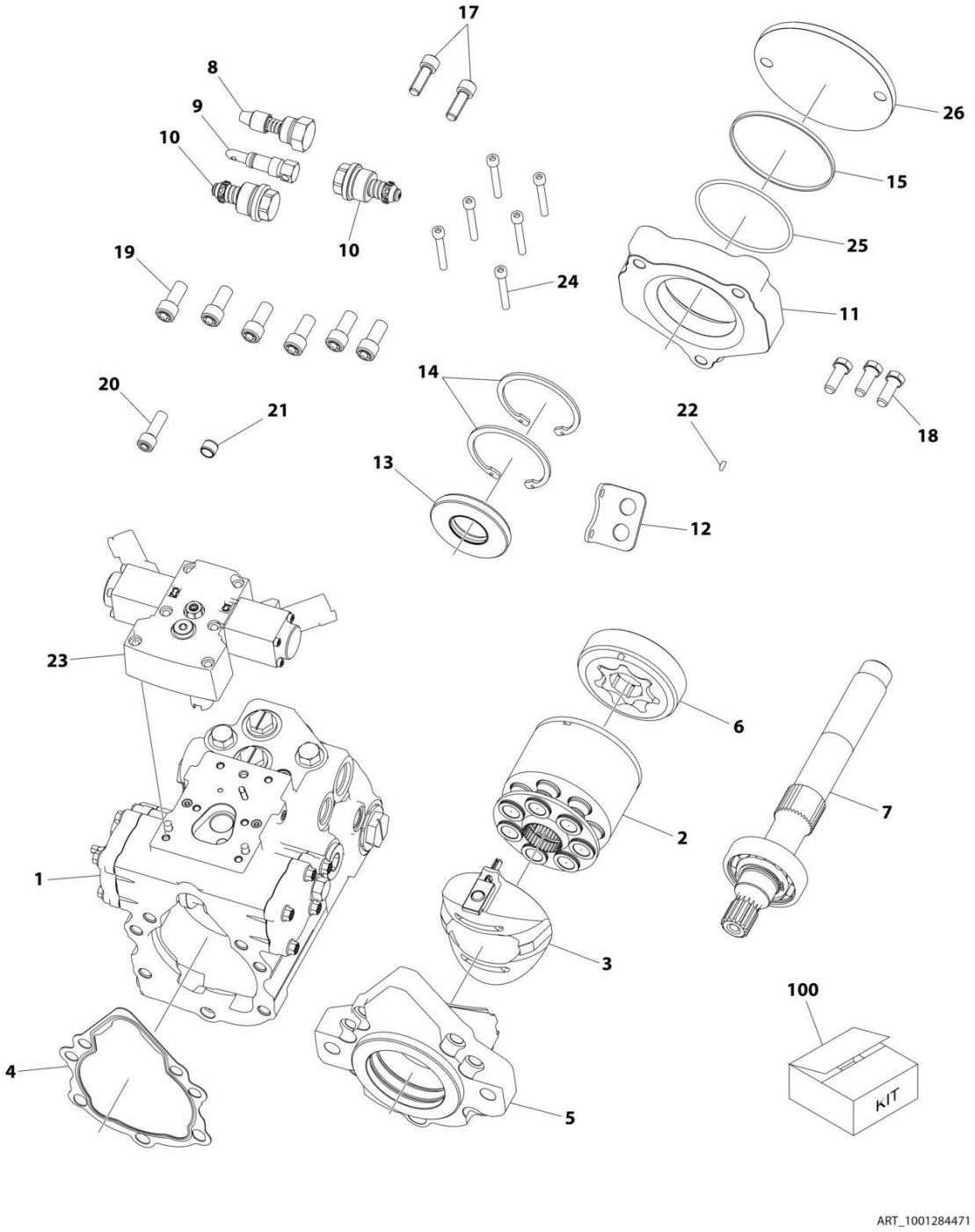


FIGURE 3-49. PISTON PUMP ASSEMBLY - HENGLI

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001284471	Ref	PISTON PUMP ASSEMBLY	A
1	70007804	1	Housing, Pump	
2	70007805	1	Block, Cylinder	
3	70007806	1	Swash Plate	
4	70007807	1	Gasket	
5	70007808	1	Cover, Front	
6	70007809	1	Pump, Charge	
7	70007810	1	Shaft	
8	70007811	1	Valve, Relief	
9	70007812	1	Valve, Bypass	
10	70007813	2	Valve, Relief	
11	70007814	1	Plate, Adapter	
12	70007815	1	Bracket, Lifting	
13	70007816	1	Seal	
14	70007817	2	Seal, Ring	
15	70007818	1	Ring	
17	70007819	2	Bolt 3/8 x 1-1/4	
18	70007820	3	Bolt M10 x 25	
19	70007821	6	Bolt M12 x 25	
20	70007822	3	Bolt M10 x 30	
21	70007823	1	Pin	
22	70007824	1	Key	
23	70007825	1	Valve, Control	
24	70007826	6	Bolt M6 x 45	
25	70007827	1	O-Ring	
26	70007828	1	Plate, Cover	
100	70007829	1	Seal Kit	

FIGURE 3-50. BELT WITHOUT GENERATOR INSTALLATION (FORD ENGINES)

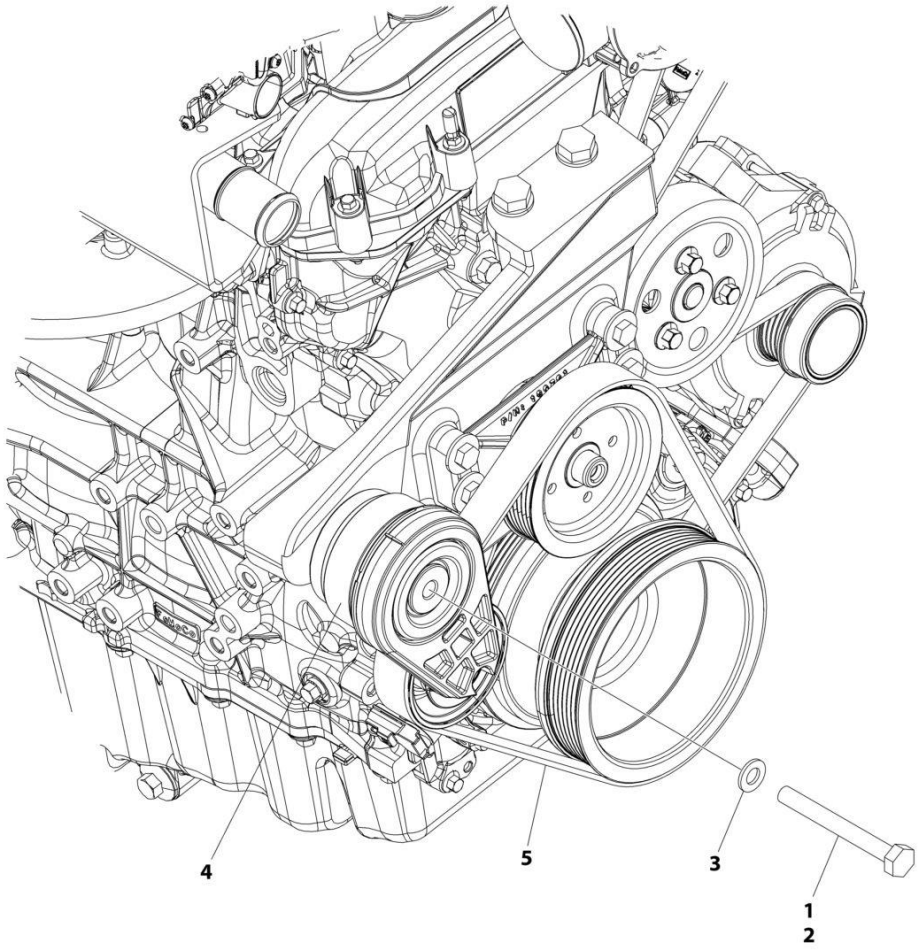


FIGURE 3-50. BELT WITHOUT GENERATOR INSTALLATION (FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001220404	Ref	DRIVE BELT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0701026	1	Bolt M10 x 90	
3	4812002	1	Washer M10	
4	1001216300	1	Pulley	
5	1001216619	1	V-Belt	

FIGURE 3-51. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)

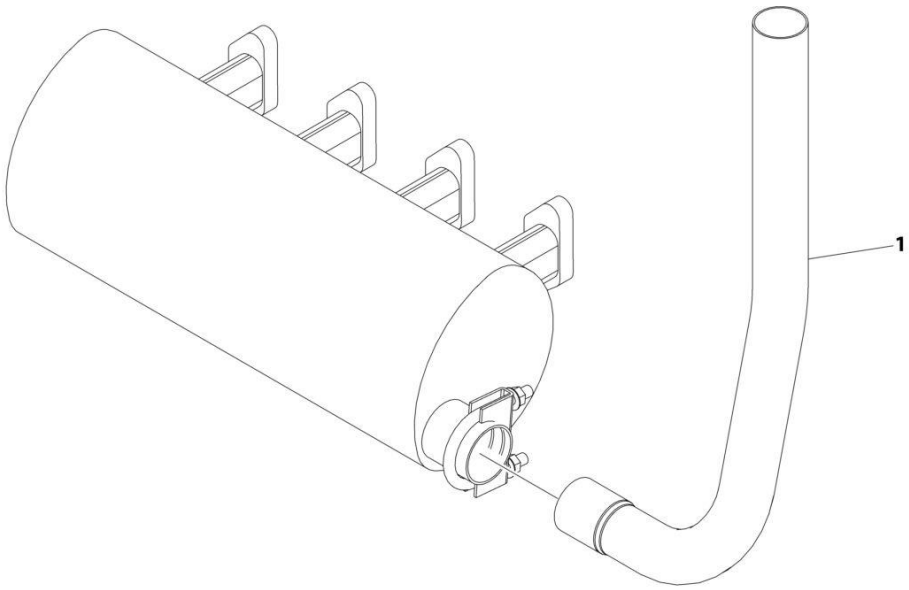


FIGURE 3-51. EXHAUST PIPE INSTALLATION - (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001239563	Ref	MUFFLER INSTALLATION	A
1	1001191273	1	Pipe, Exhaust	

FIGURE 3-52. FUEL FILTER INSTALLATION (POLY FUEL TANK)

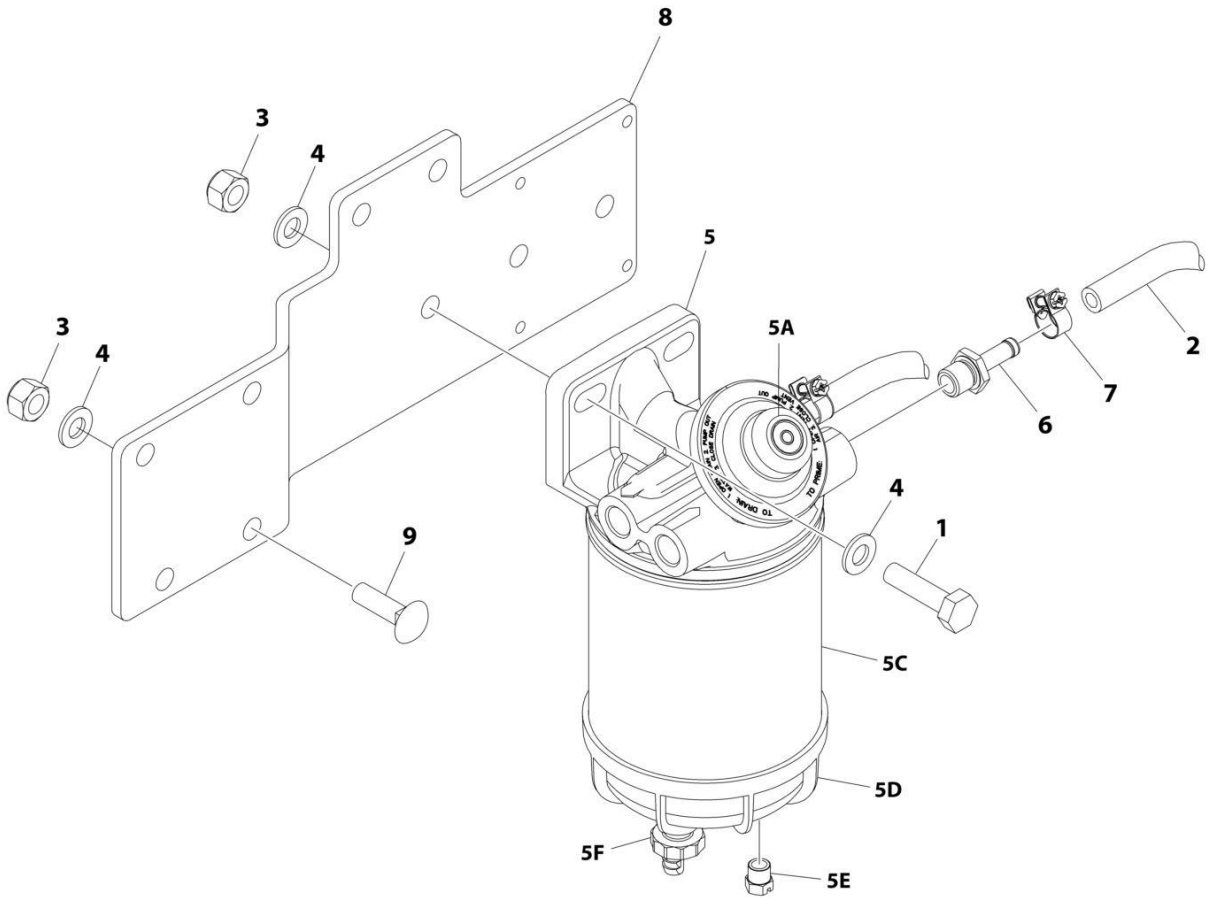


FIGURE 3-52. FUEL FILTER INSTALLATION (POLY FUEL TANK)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001224200	Ref	FUEL FILTER INSTALLATION	B
1	0761016	2	Bolt M10 x 40	
2	2720058	46 in/1.2m	Hose, Fuel Line	
3	3291005	4	Nut M10	
4	4812000	6	Washer M10	
5	1001149452	1	Fuel Filter/Water Separator Assembly	
5A	See Note	NSS	Indicator, Restriction (Note: Use p/n 1001149452)	
5B	70004064	1	Bypass Valve Kit (Not Shown)	
5C	70004065	1	Gasket, Head to Element	
5C	70004066	1	Element, Filter	
5D	70004067	1	Gasket Element to Bowl	
5D	70004068	1	Bowl Kit (Includes Bowl, Element and Plug)	
5E	70004069	1	Plug	
5F	70004070	1	Drain	
6	1001149469	2	Fitting, Straight Barbed	
7	1001174486	2	Clamp	
8	1001224967	1	Bracket	
9	1001228406	2	Bolt M10 x 35	

FIGURE 3-53. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ D2011 ENGINES)

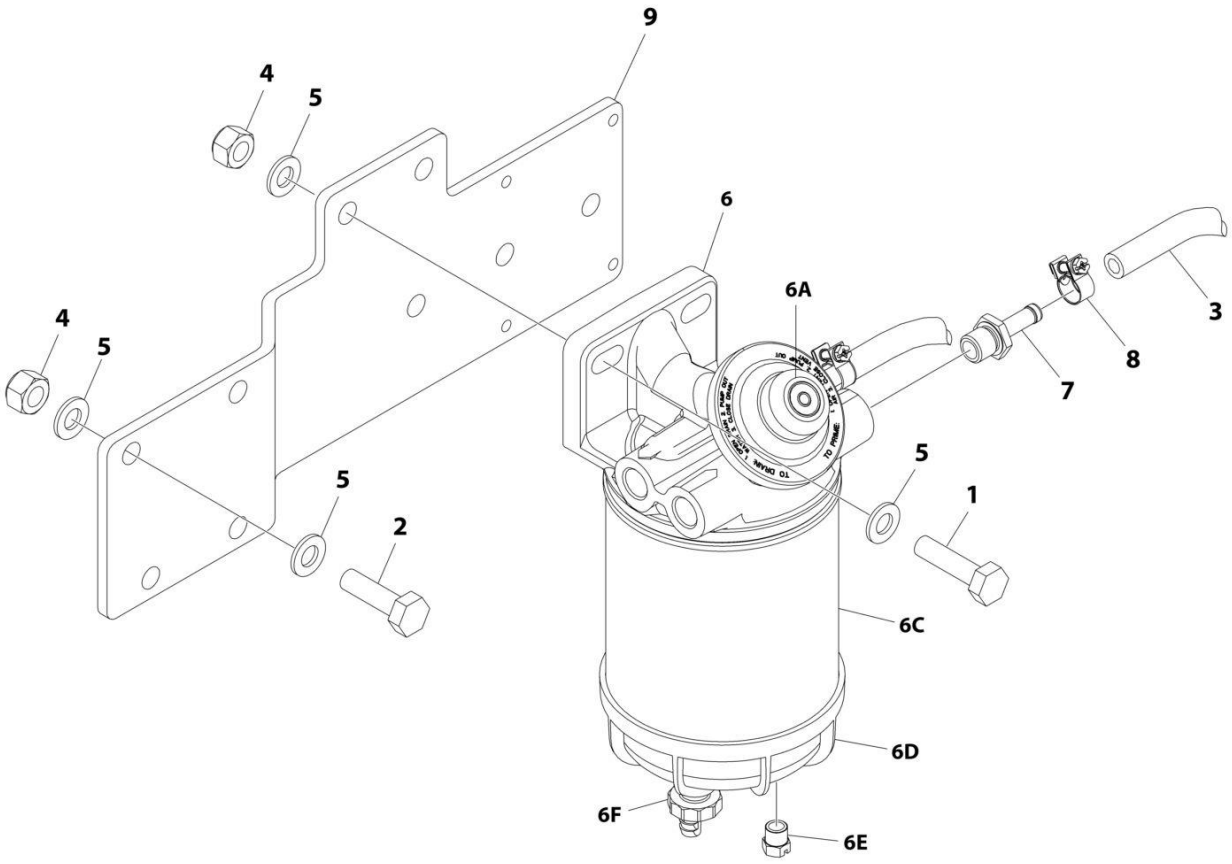


FIGURE 3-53. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225054	Ref	FUEL FILTER INSTALLATION	B
1	0761016	2	Bolt M10 x 40	
2	0761015	2	Bolt M10 x 35	
2	1001228406	2	Bolt M10 x 35	
3	2720058	32 in/ 80cm	Hose, Fuel Line	
4	3291005	4	Nut M10	
5	4812000	AR	Washer M10	
6	1001149452	1	Fuel Filter/Water Separator Assembly	
6A	See Note	NSS	Indicator, Restriction (Note: Use p/n 1001149452)	
6B	70004064	1	Bypass Valve Kit (Not Shown)	
6C	70004065	1	Gasket, Head to Element	
6C	70004066	1	Element, Filter	
6D	70004067	1	Gasket, Element to Bowl	
6D	70004068	1	Bowl Kit (Includes Bowl, Element and Plug)	
6E	70004069	1	Plug	
6F	70004070	1	Drain	
7	1001149469	2	Fitting, Straight Barbed	
8	1001174486	2	Clamp	
9	1001224967	1	Bracket	

FIGURE 3-54. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ TD2.9L4 ENGINES)

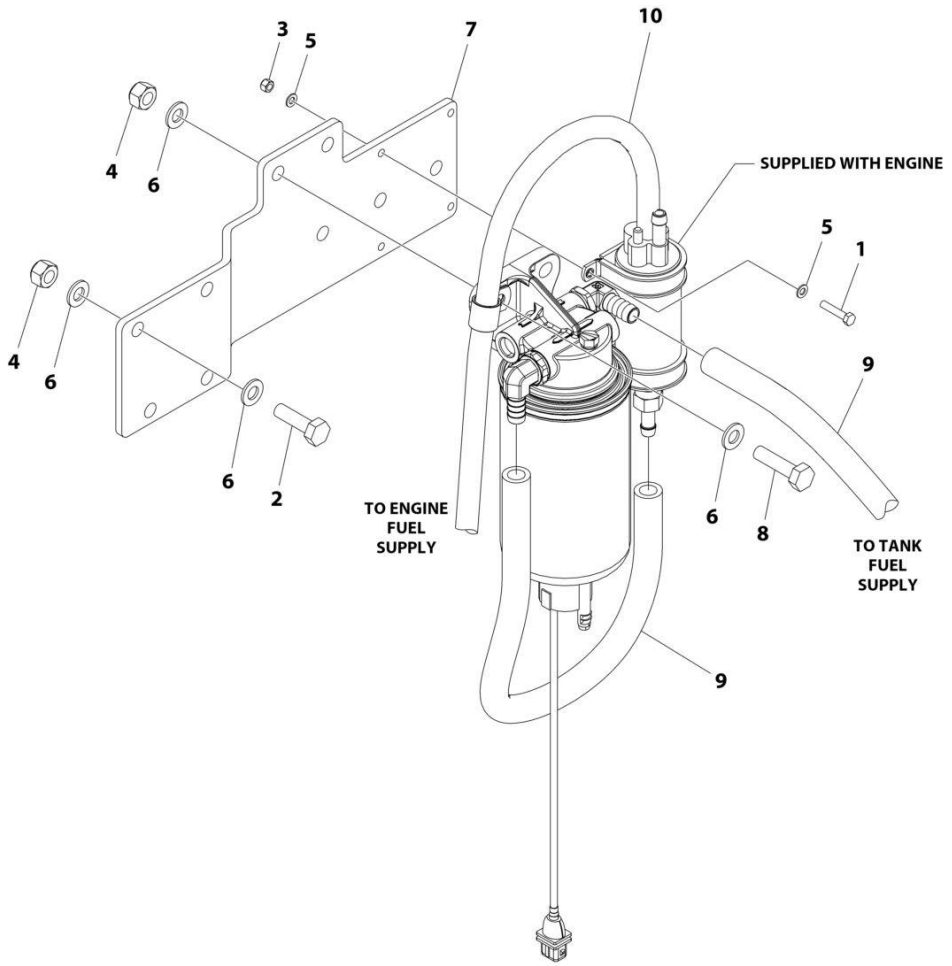


FIGURE 3-54. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ TD2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001204902	Ref	FUEL PUMP AND FILTER INSTALLATION	D
1	0760512	4	Bolt M5 x 25	
2	0761015	2	Bolt M10 x 35	
2	1001228406	2	Bolt M10 x 35	
3	3290505	4	Nut M5	
4	3291005	4	Nut M10	
5	4811600	8	Washer M5	
6	4812000	AR	Washer M10	
7	1001224967	1	Bracket	
8	0701016	2	Bolt M10 x 40	
9	1001154405	2.3 ft/ 70cm	Hose	
10	1001165035	2.5 ft/ 75cm	Hose	

FIGURE 3-55. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ D2.9L4 ENGINES)

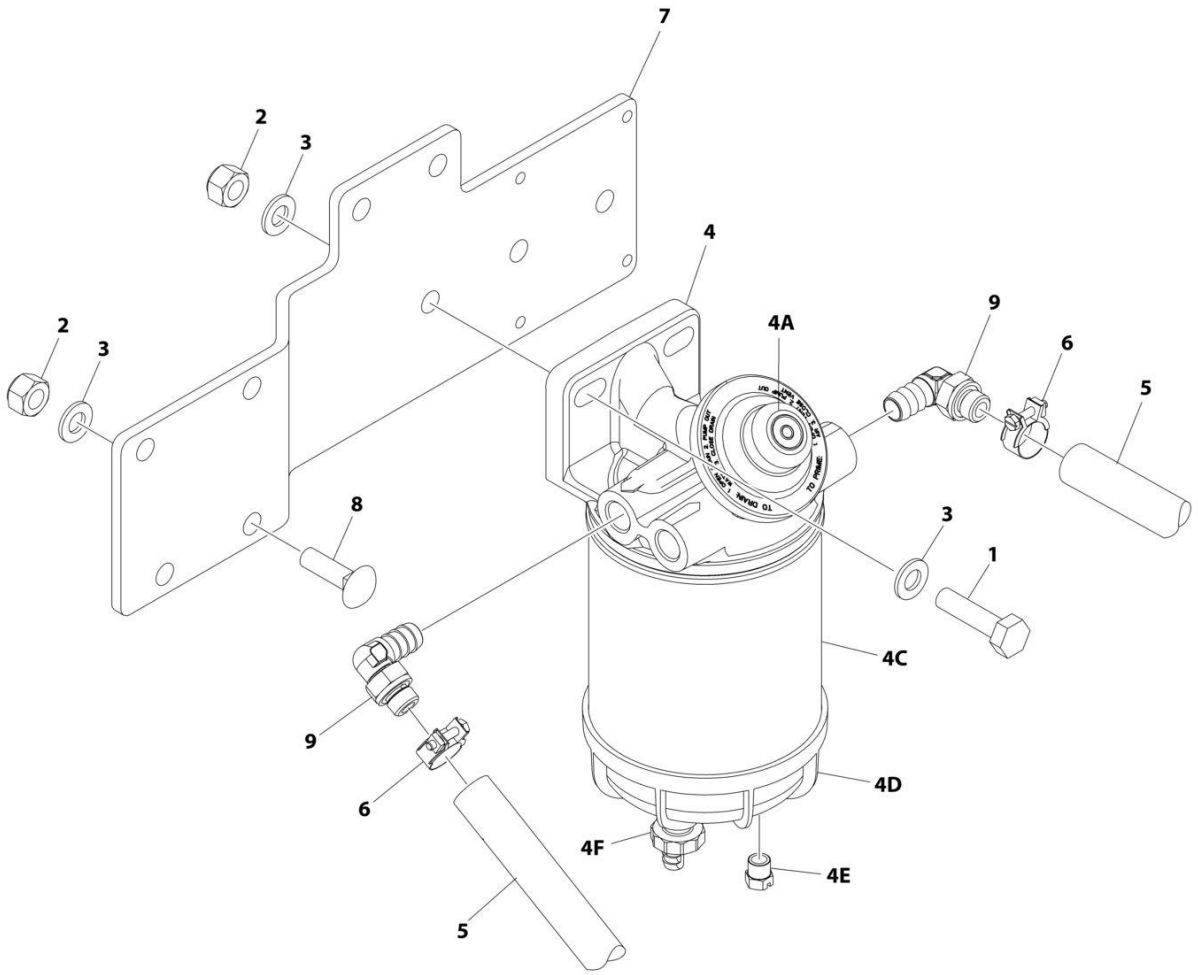


FIGURE 3-55. FUEL FILTER INSTALLATION (STEEL FUEL TANK) (DEUTZ D2.9L4 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001286194	Ref	FUEL FILTER INSTALLATION	A
1	0761016	2	Bolt M10 x 40	
2	3291005	4	Nut M10	
3	4812000	6	Washer M10	
4	1001149452	1	Fuel Filter/Water Separator Assembly	
4A	See Note	NSS	Indicator, Restriction (Note: Use p/n 1001149452)	
4B	70004064	1	Bypass Valve Kit (Not Shown)	
4C	70004065	1	Gasket, Head to Element	
4C	70004066	1	Element, Filter	
4D	70004067	1	Gasket Element to Bowl	
4D	70004068	1	Bowl Kit (Includes Bowl, Element and Plug)	
4E	70004069	1	Plug	
4F	70004070	1	Drain	
5	1001154405	7 ft/ 2.12m	Hose, Fuel Line	
6	1001175568	2	Clip	
7	1001224967	1	Bracket	
8	1001228406	2	Bolt M10 x 35	
9	1001258505	2	Fitting, 90 Barbed	

FIGURE 3-56. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)

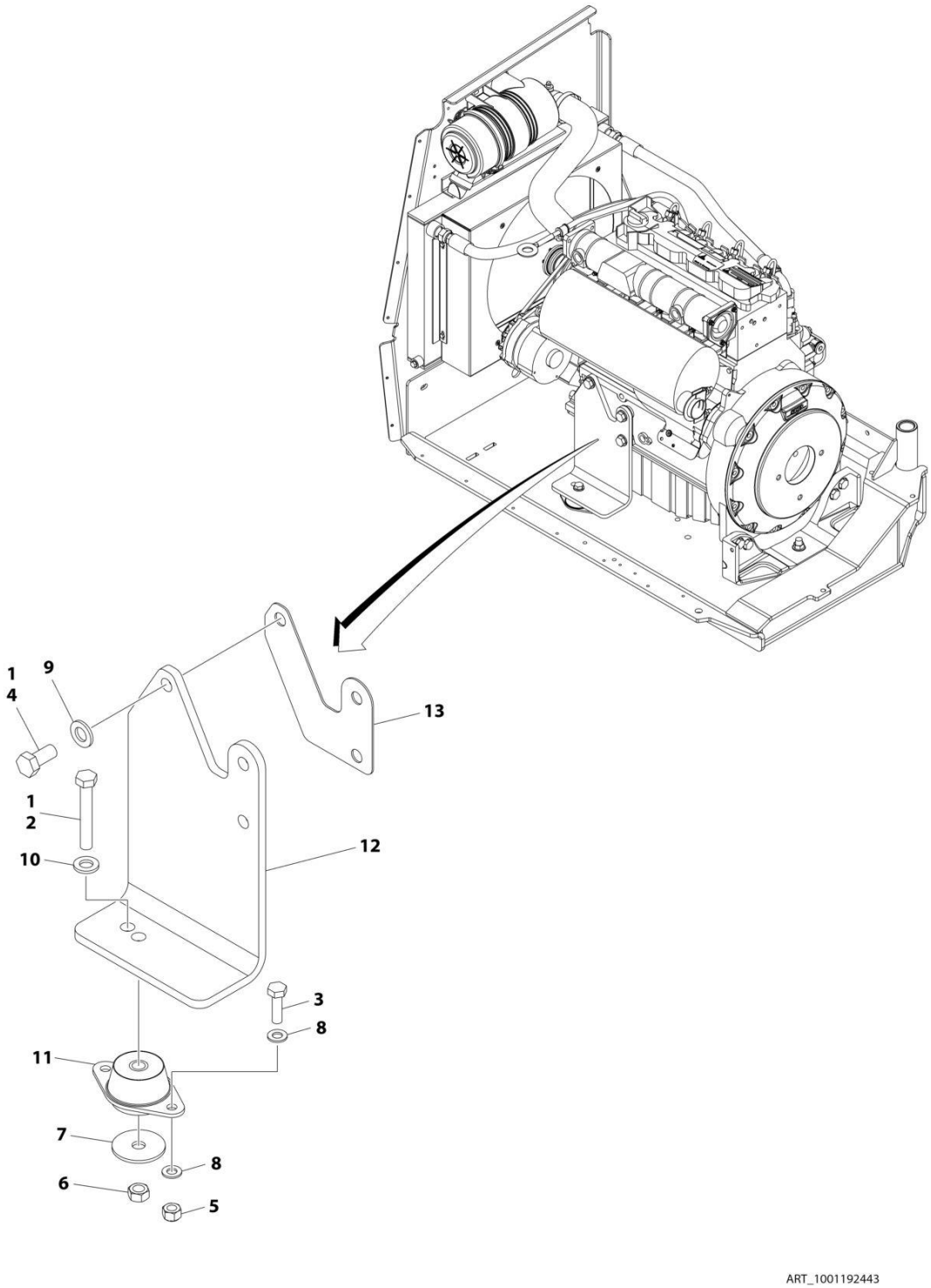


FIGURE 3-56. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192443	Ref	MOTOR MOUNT INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771414	3	Bolt M14 x 30	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001189227	1	Mount	
13	1001201843	1	Shim	

FIGURE 3-57. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

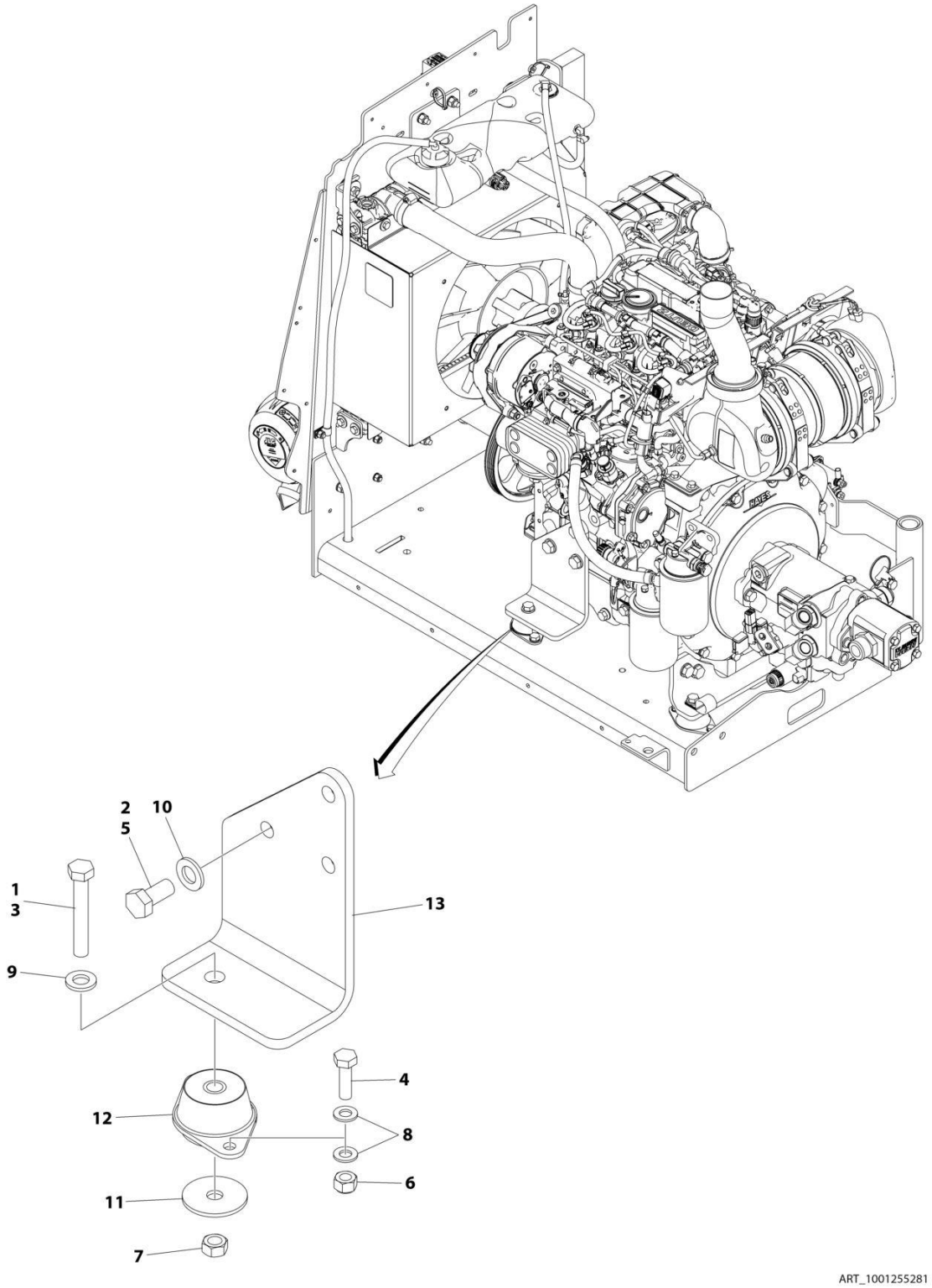


FIGURE 3-57. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255281	Ref	MOTOR MOUNT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0711224	1	Bolt M12 x 80	
4	0761015	2	Bolt M10 x 35	
5	0771414	3	Bolt M14 x 30	
6	3291005	2	Nut M10	
7	3331211	1	Nut M12	
8	4812000	4	Washer M10	
9	5241200	1	Washer M12	
10	5241400	3	Washer M14	
11	1001168018	1	Washer	
12	1001166718	1	Mount, Motor	
13	1001254423	1	Mount	

FIGURE 3-58. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

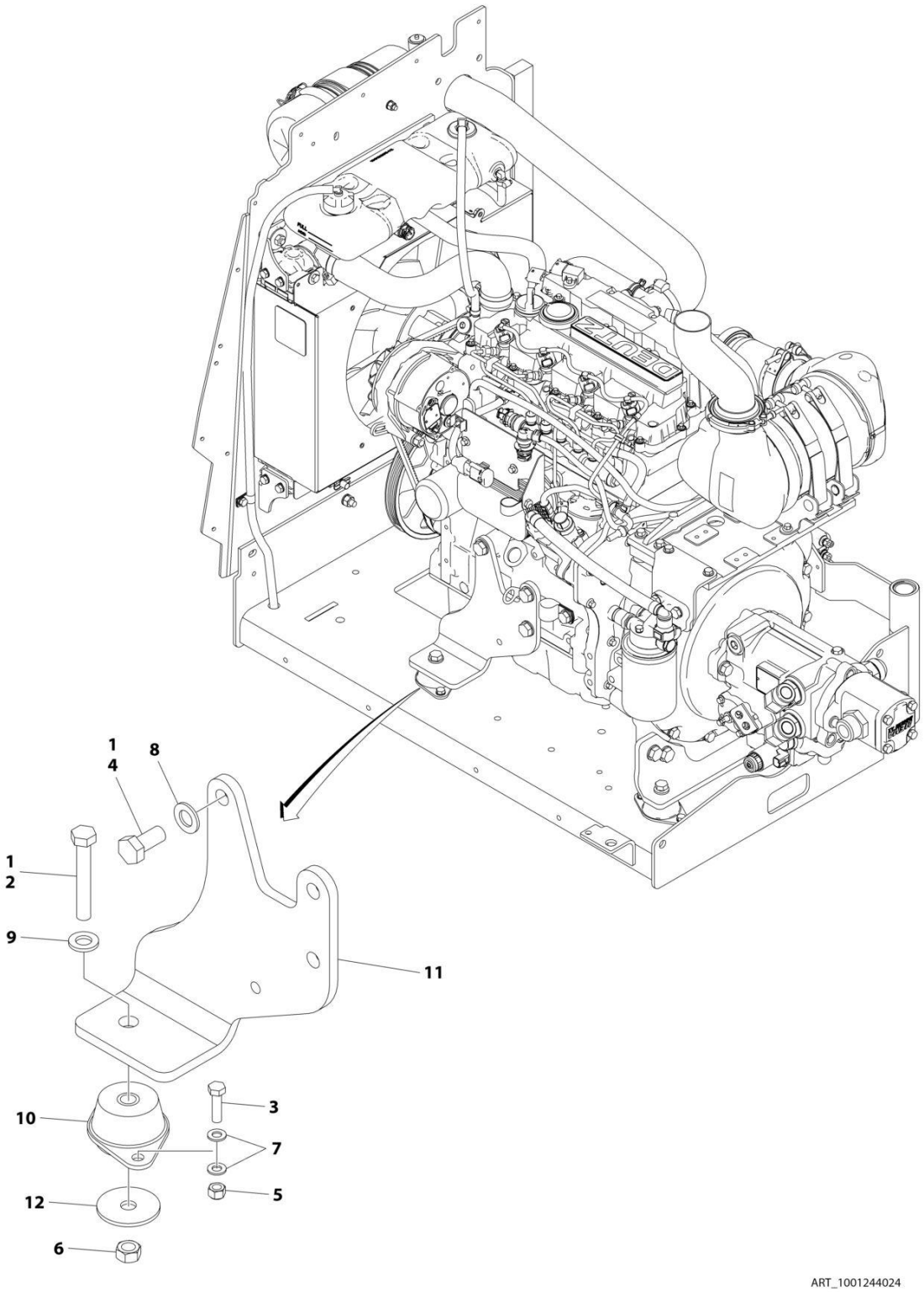


FIGURE 3-58. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244024	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001166922	1	Mount	
12	1001168018	1	Washer	

FIGURE 3-59. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

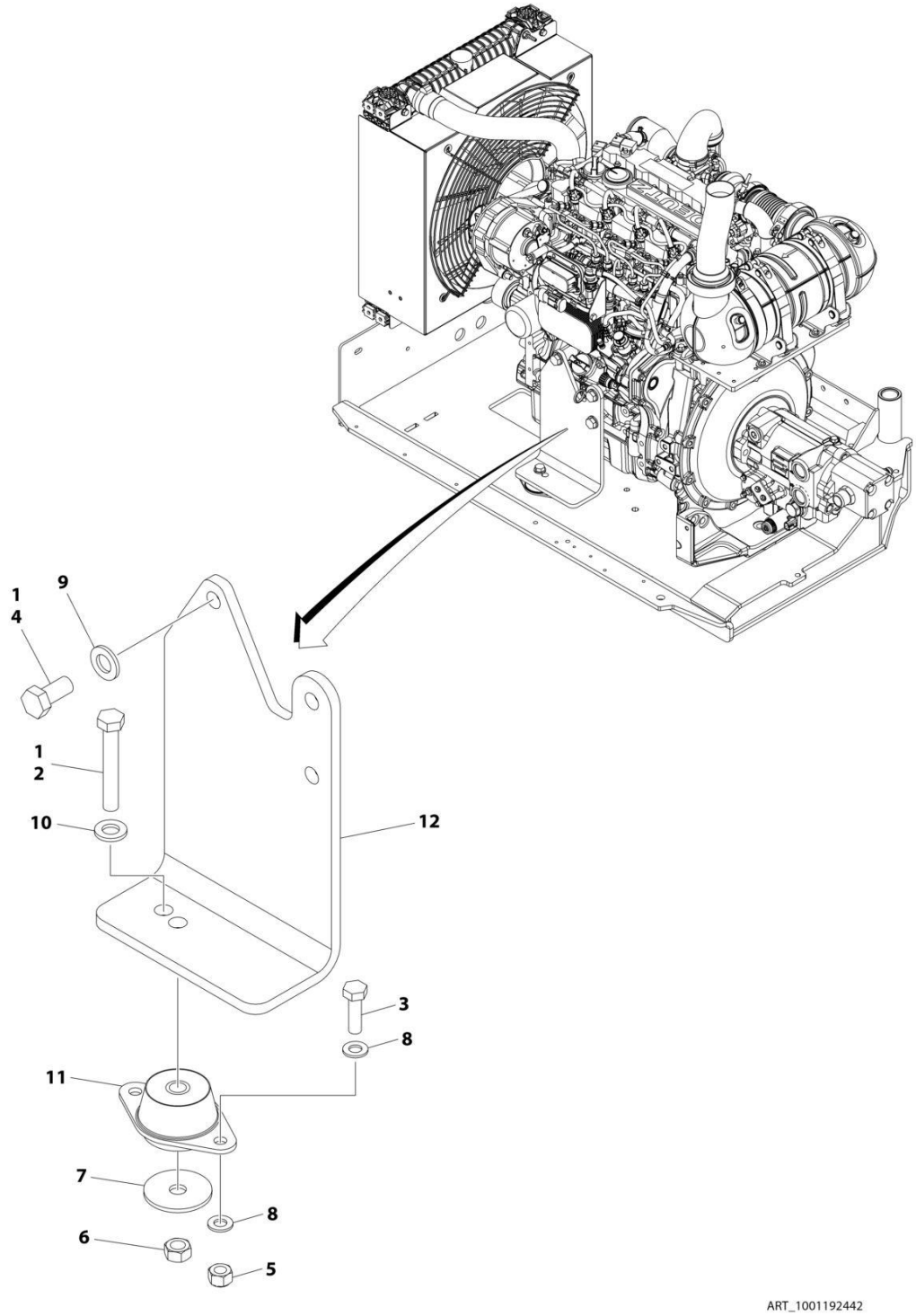


FIGURE 3-59. MOTOR MOUNT INSTALLATION - WITHOUT GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192442	Ref	MOTOR MOUNT INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771414	3	Bolt M14 x 30	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001189227	1	Mount	

FIGURE 3-60. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)

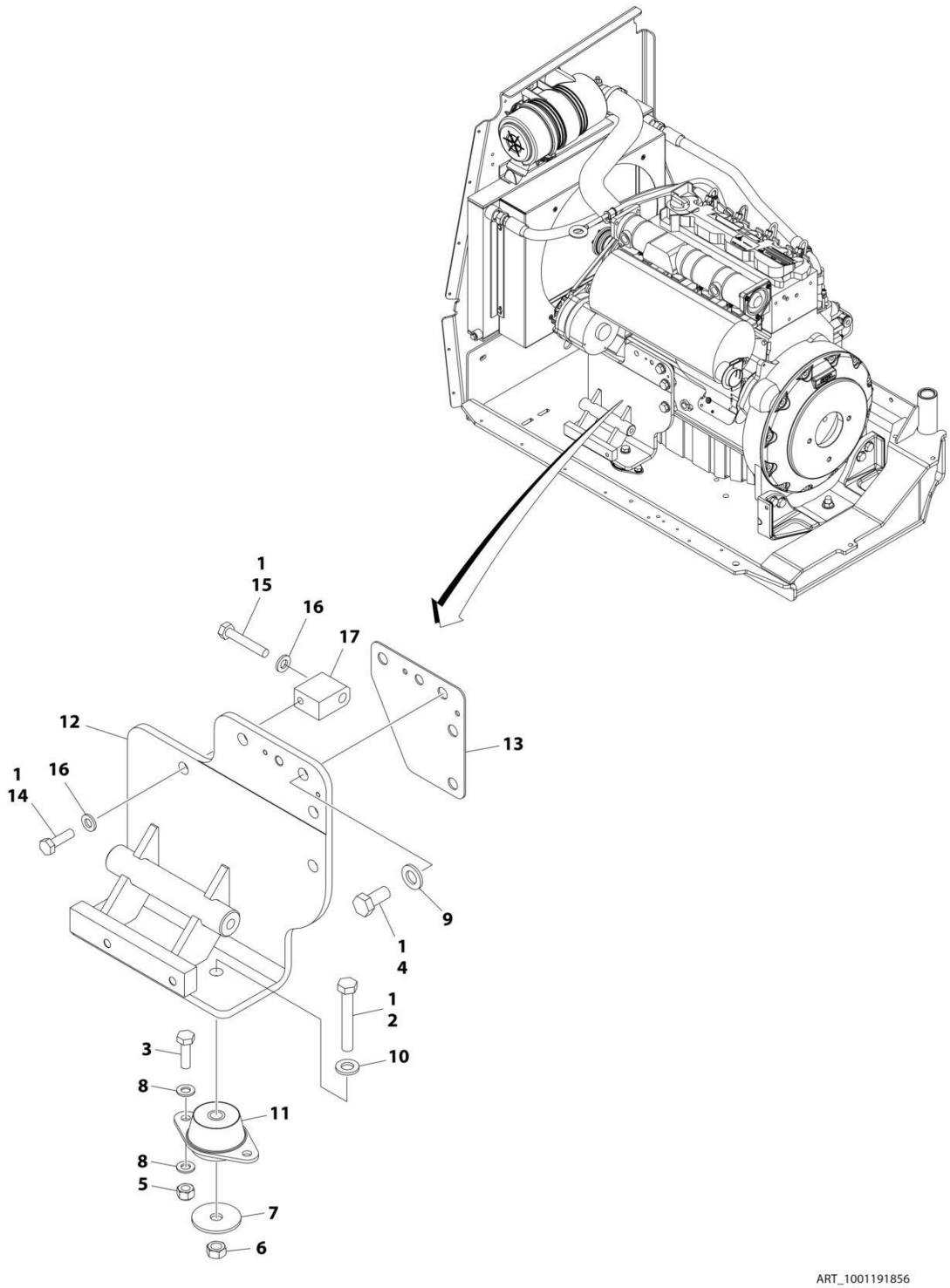


FIGURE 3-60. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191856	Ref	MOTOR MOUNT INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771415	3	Bolt M14 x 35	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Engine	
12	1001239710	1	Bracket	
13	1001205957	1	Shim	
14	0711015	1	Bolt M10 x 35	
15	0711020	1	Bolt M10 x 60	
16	5241000	2	Washer M10	
17	1001239715	1	Block	

FIGURE 3-61. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

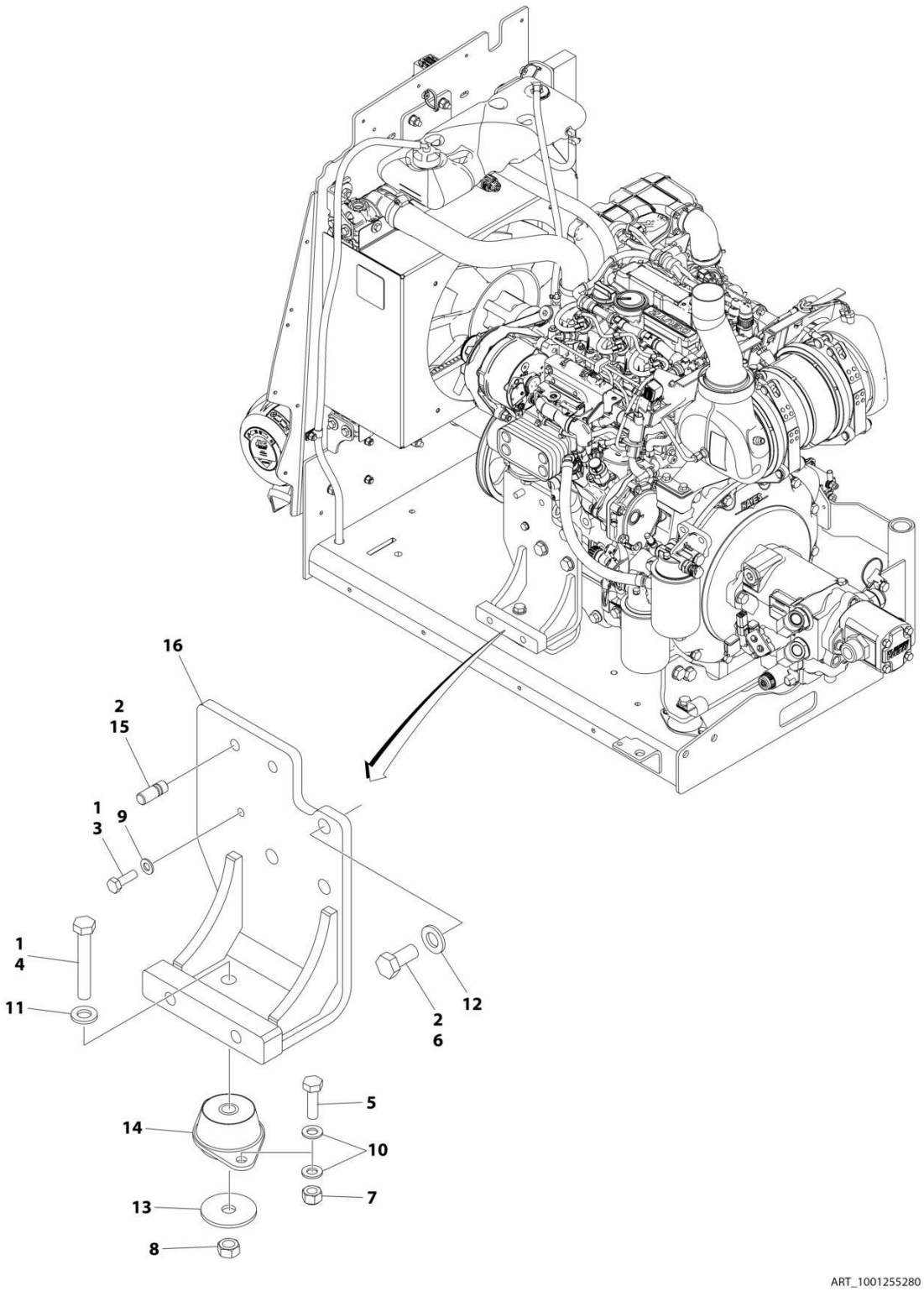


FIGURE 3-61. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.2L3 (STAGE V) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255280	Ref	MOTOR MOUNT INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0700812	1	Bolt M8 x 25	
4	0711224	1	Bolt M12 x 80	
5	0761015	2	Bolt M10 x 35	
6	0771414	3	Bolt M14 x 30	
7	3291005	2	Nut M10	
8	3331211	1	Nut M12	
9	4811900	1	Washer M8	
10	4812000	4	Washer M10	
11	5241200	1	Washer M12	
12	5241400	1	Washer M14	
13	1001168018	1	Washer	
14	1001166718	1	Mount, Motor	
15	1001196382	1	Stud	
16	1001254899	1	Mount	

FIGURE 3-62. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 49HP ENGINES)

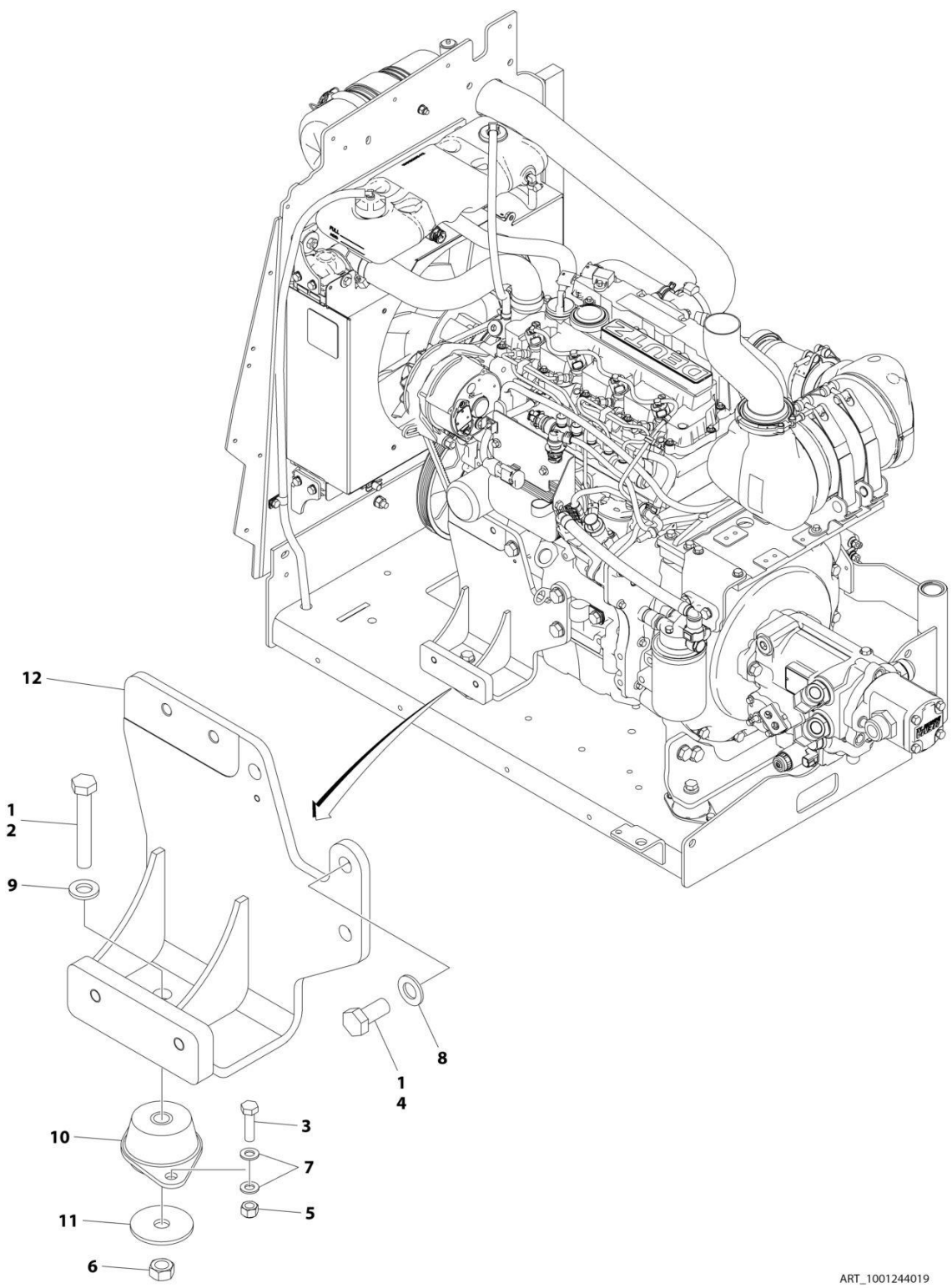


FIGURE 3-62. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 49HP ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244019	Ref	MOTOR MOUNT INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0760814	2	Bolt M8 x 30	
4	0771414	3	Bolt M14 x 30	
5	3290805	2	Nut M8	
6	3331211	1	Nut M12	
7	4811900	4	Washer M8	
8	4812200	3	Washer M14	
9	5241200	1	Washer M12	
10	1001166718	1	Mount, Motor	
11	1001168018	1	Washer	
12	1001168207	1	Mount	

FIGURE 3-63. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

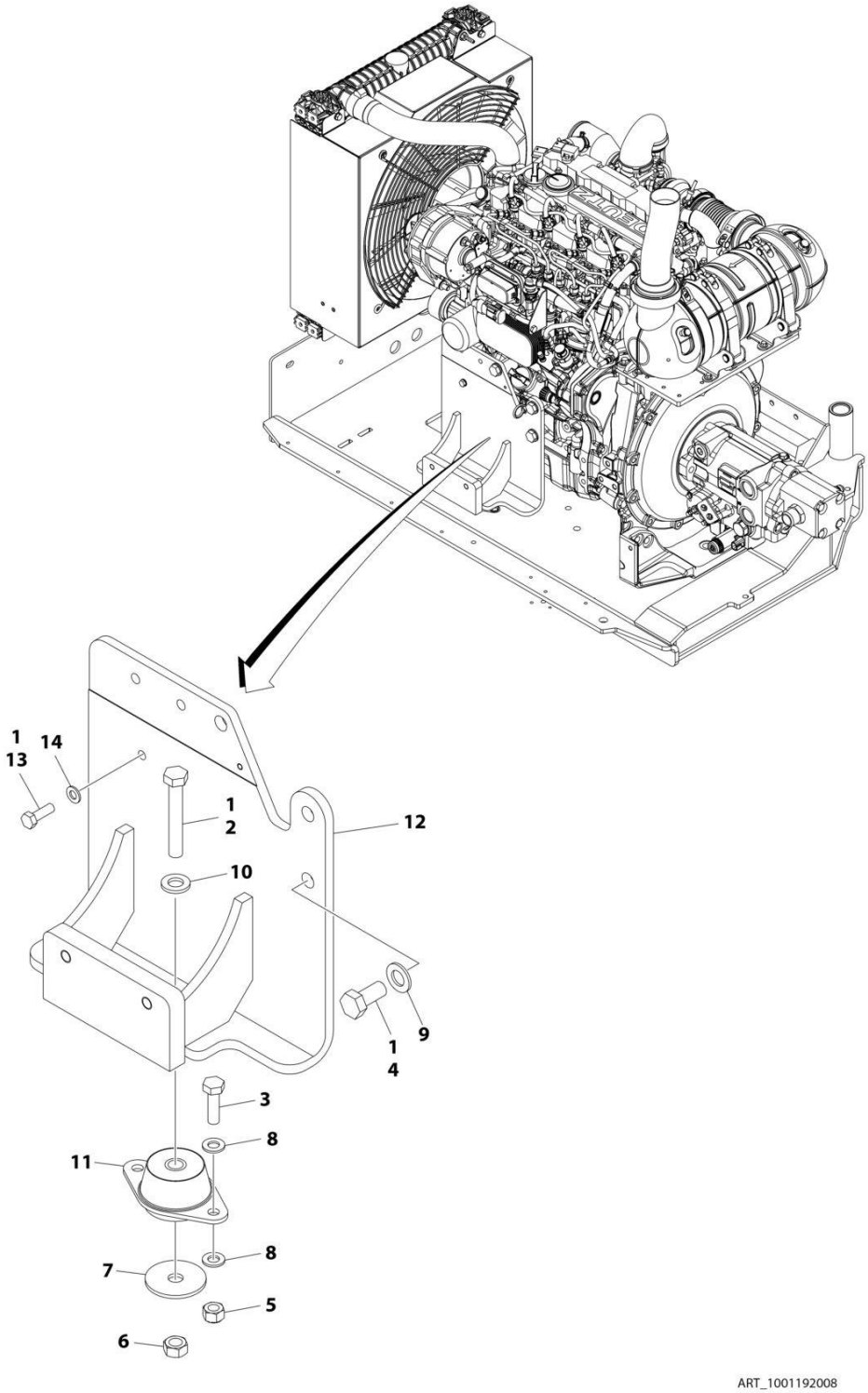


FIGURE 3-63. MOTOR MOUNT INSTALLATION - WITH GENERATOR (DEUTZ TD2.9L4 - 67HP ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192008	Ref	MOTOR MOUNT INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0711224	1	Bolt M12 x 80	
3	0761015	2	Bolt M10 x 35	
4	0771415	3	Bolt M14 x 35	
5	3291005	2	Nut M10	
6	3331211	1	Nut M12	
7	1001168018	1	Washer	
8	4812000	4	Washer M10	
9	5241400	3	Washer M14	
10	5241200	1	Washer M12	
11	1001191610	1	Mount, Motor	
12	1001209016	1	Mount	
13	0770814	1	Bolt M8 x 30	
14	5240800	1	Washer M8	

FIGURE 3-64. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)

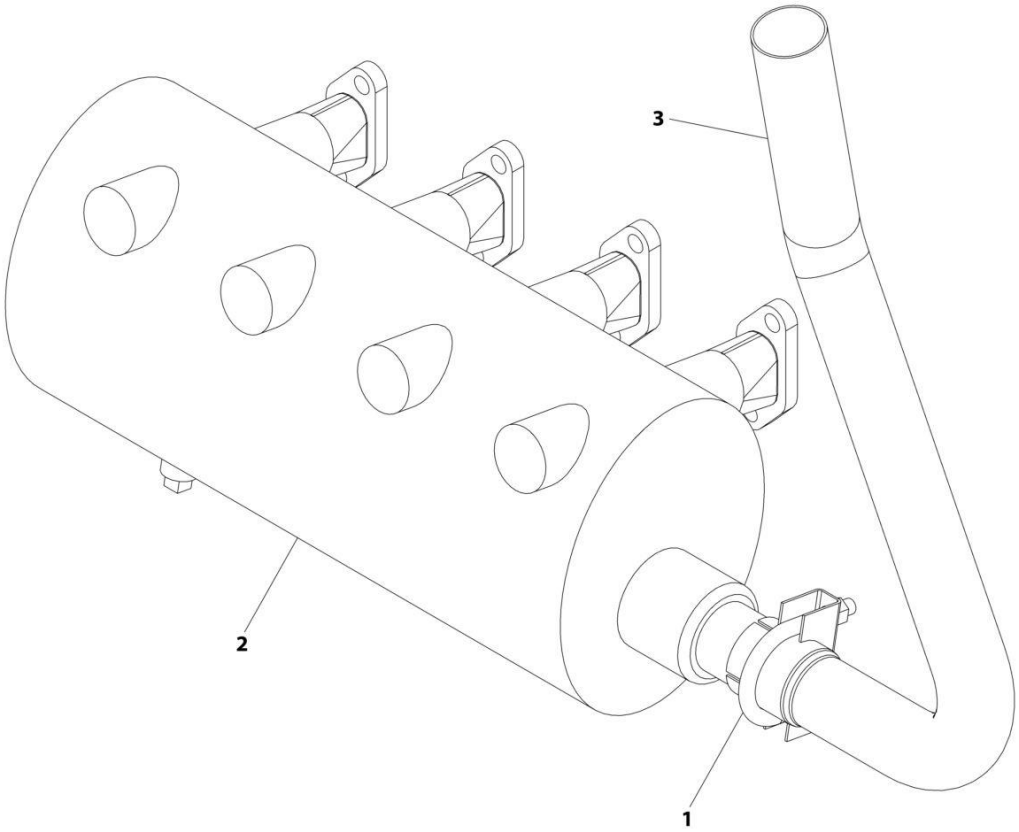


FIGURE 3-64. MUFFLER INSTALLATION - SPARK ARRESTING (DEUTZ D2011 ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192284	Ref	MUFFLER INSTALLATION	B
1	1320176	1	Clamp	
2	1001191156	1	Muffler, Spark Arresting	
3	1001195763	1	Pipe, Exhaust	

FIGURE 3-65. RADIATOR ASSEMBLY - DUETZ D2.9L4 ENGINE (CHINA IV)

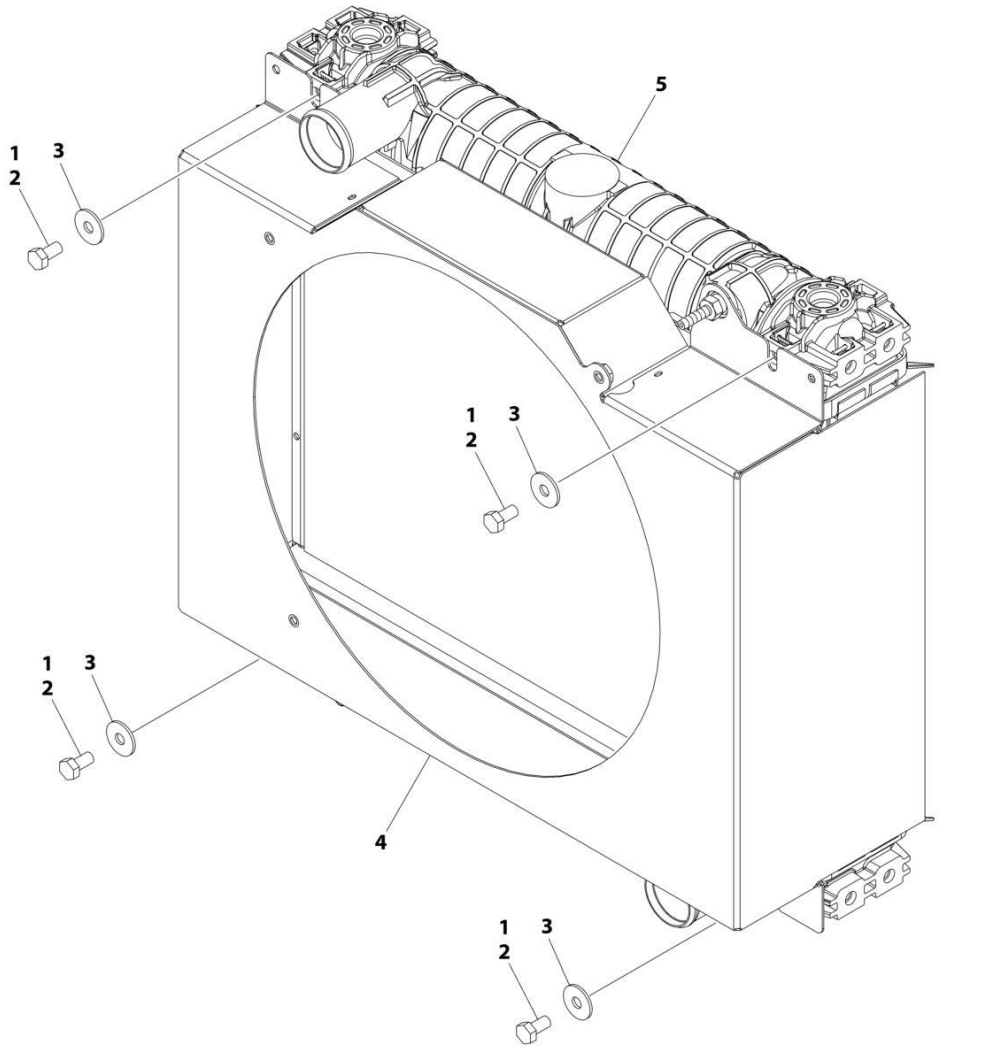


FIGURE 3-65. RADIATOR ASSEMBLY - DUETZ D2.9L4 ENGINE (CHINA IV)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001287643	Ref	RADIATOR ASSEMBLY	A
1	0100011	AR	Compound, Locking	
2	0760808	4	Bolt M8 x 16	
3	4811902	4	Washer M8	
4	1001288267	1	Shroud	
5	1001288272	1	Radiator	

FIGURE 3-66. TRAY JACK INSTALLATION (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

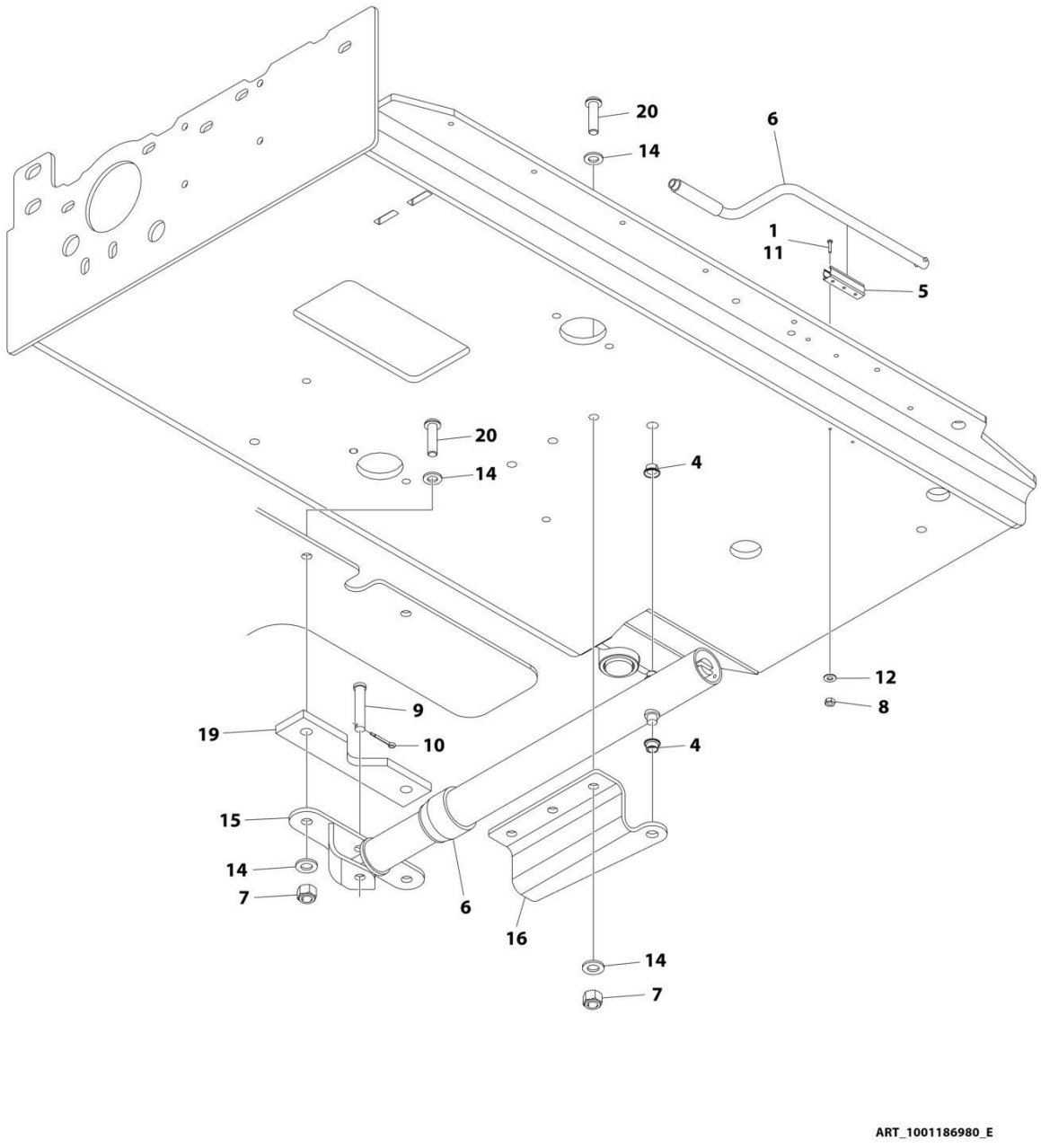


FIGURE 3-66. TRAY JACK INSTALLATION (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186980	Ref	TRAY JACK INSTALLATION	E
1	0100011	AR	Compound, Locking	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Jack and Handle Assembly	
6	7024598	1	Handle	
7	3291205	5	Nut M12	
8	3290301	2	Nut M3	
9	3430820	1	Pin	
10	1001236121	1	Pin	
11	4010308	2	Screw M3 x 16	
12	4811400	2	Washer M4	
14	4812100	10	Washer M12	
15	1001166894	1	Support	
16	1001175073	1	Support	
19	1001186981	1	Plate	
20	1001102978	5	Screw M12 x 45 Grade 10.9	

FIGURE 3-67. TRAY JACK INSTALLATION (DEUTZ TD2.2L3 (STAGE V), DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9 (CHINA IV) ENGINES)

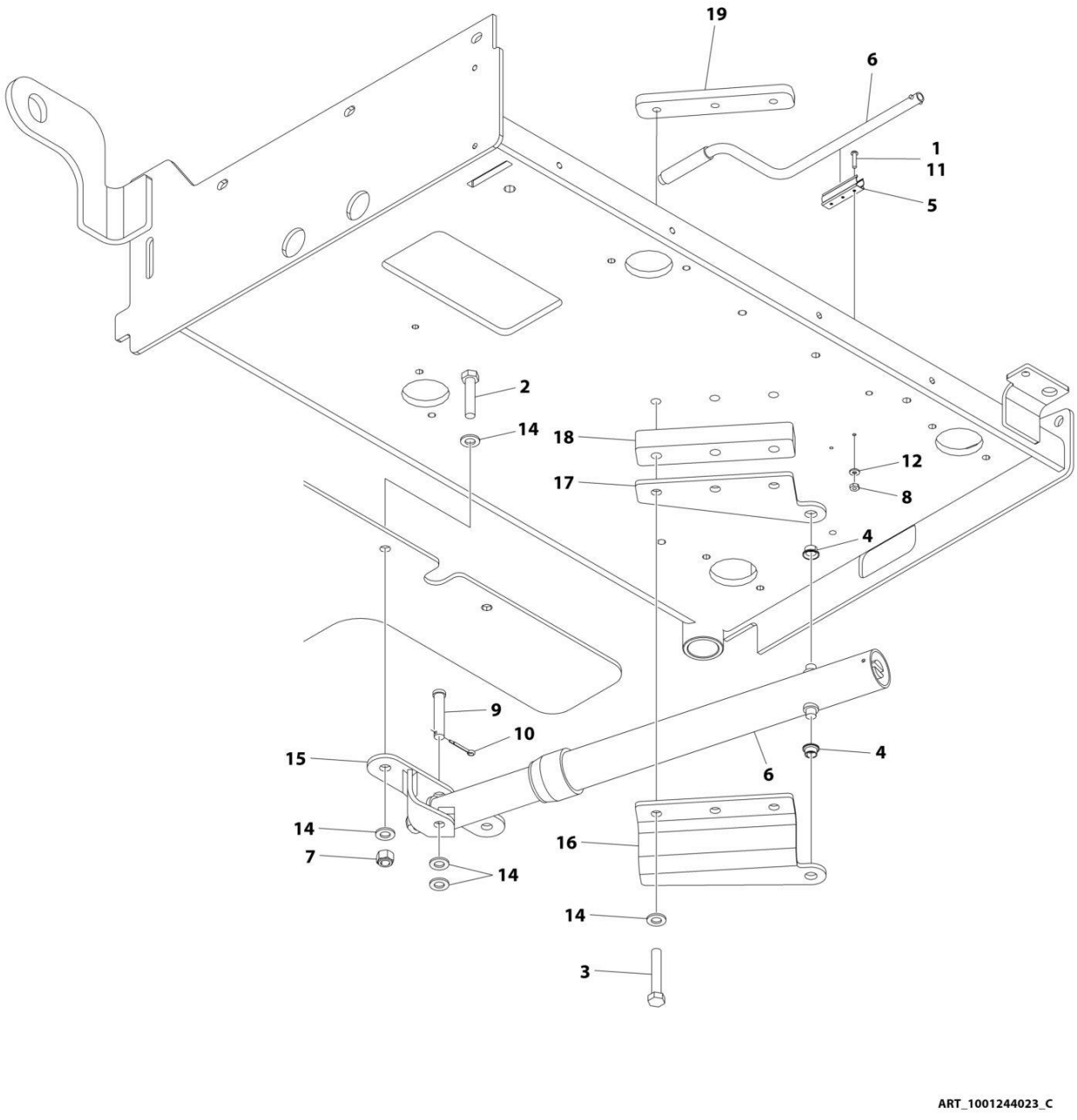


FIGURE 3-67. TRAY JACK INSTALLATION (DEUTZ TD2.2L3 (STAGE V), DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244023	Ref	TRAY JACK INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	1001102978	2	Bolt M12 x 45	
3	0701222	3	Bolt M12 x 70	
4	0962051	2	Bearing	
5	1380147	1	Clip	
6	2840016	1	Jack and Handle Assembly	
6	7024598	1	Handle	
7	3291205	2	Nut M12	
8	3290301	2	Nut M3	
9	3430820	1	Pin	
10	1001236121	1	Pin	
11	4010308	2	Screw M3 x 16	
12	4811400	1	Washer M4	
14	4812100	9	Washer M12	
15	1001166894	1	Support	
16	1001175073	1	Support	
17	1001175074	1	Support	
18	1001244025	1	Shim	
19	1001254719	1	Plate, Nut	

FIGURE 3-68. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

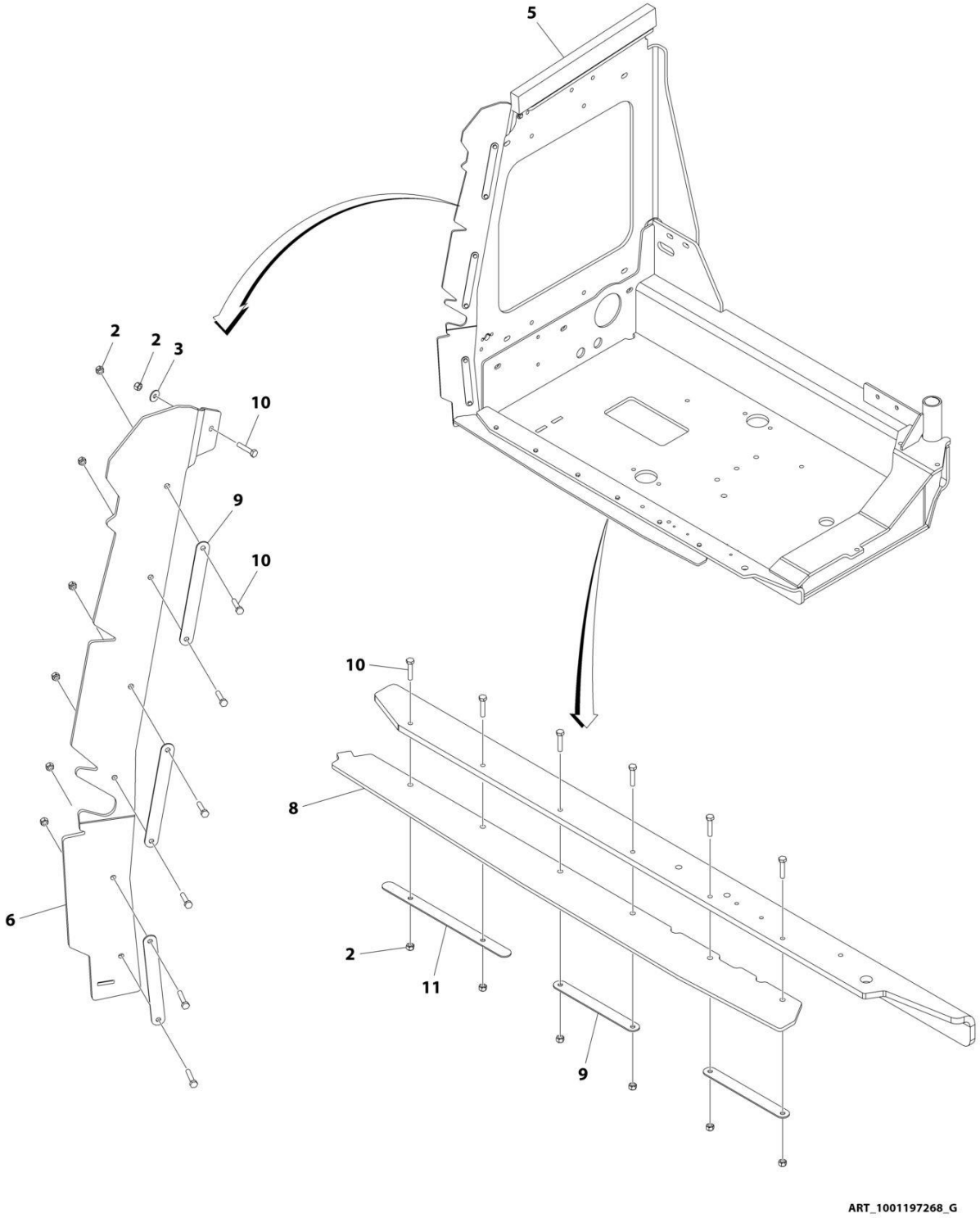


FIGURE 3-68. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197268	Ref	ENGINE HOOD BAFFLES INSTALLATION	G
2	3290605	13	Nut M6	
3	4811702	8	Washer M6	
5	1001197389	1	Seal	
6	1001234370	1	Seal	
8	1001234371	1	Seal	
9	1001167164	5	Support	
10	0760614	13	Bolt M6 x 30	
11	1001233429	1	Support	

FIGURE 3-69. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

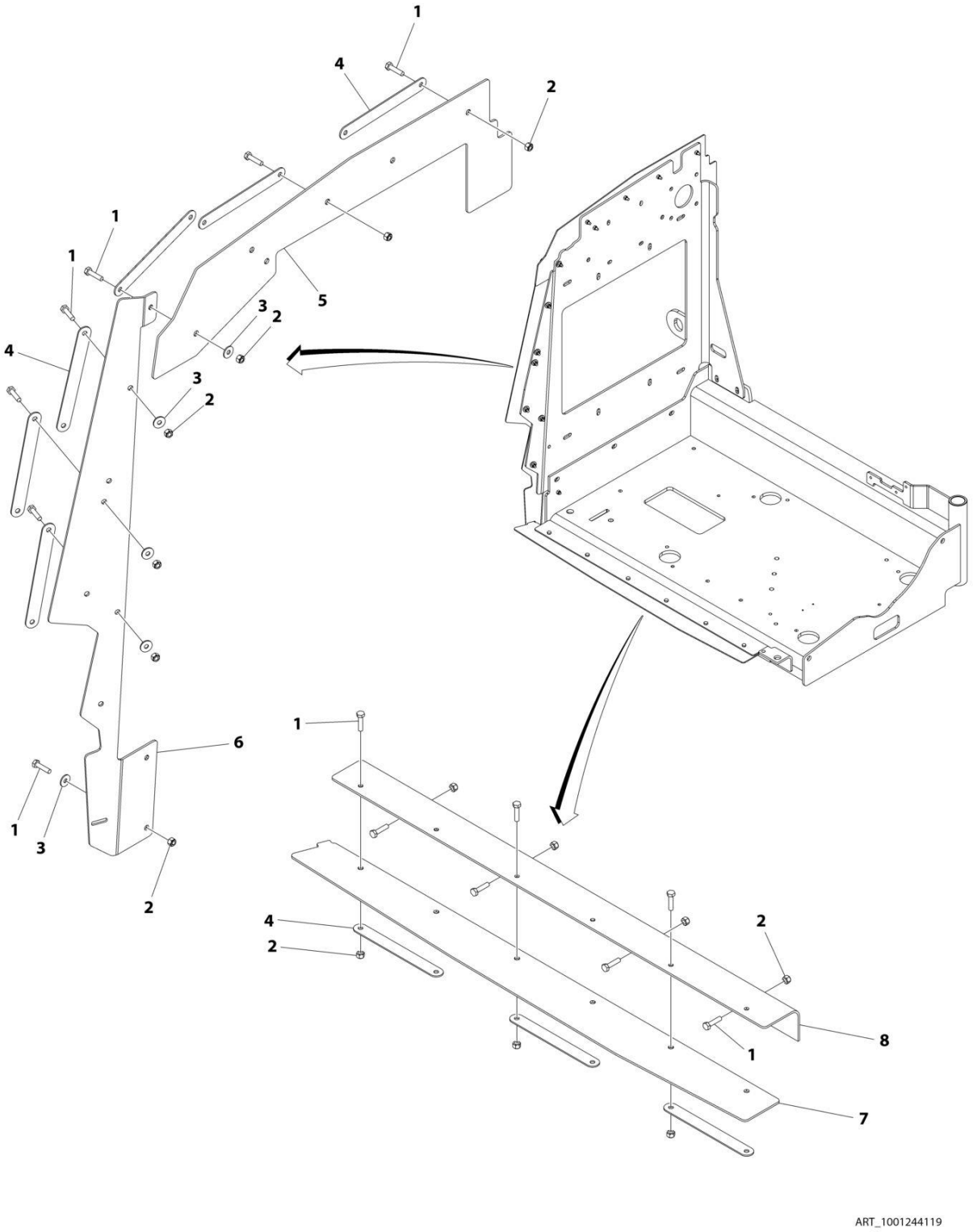


FIGURE 3-69. ENGINE HOOD BAFFLES INSTALLATION - ABS HOODS (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244119	Ref	ENGINE HOOD BAFFLES INSTALLATION	B
1	0760612	24	Bolt M6 x 25	
2	3290605	24	Nut M6	
3	4811702	30	Washer M6	
4	1001167164	9	Support	
5	1001244120	1	Seal	
6	1001244121	1	Seal	
7	1001244122	1	Seal	
8	1001244123	1	Plate	

FIGURE 3-70. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

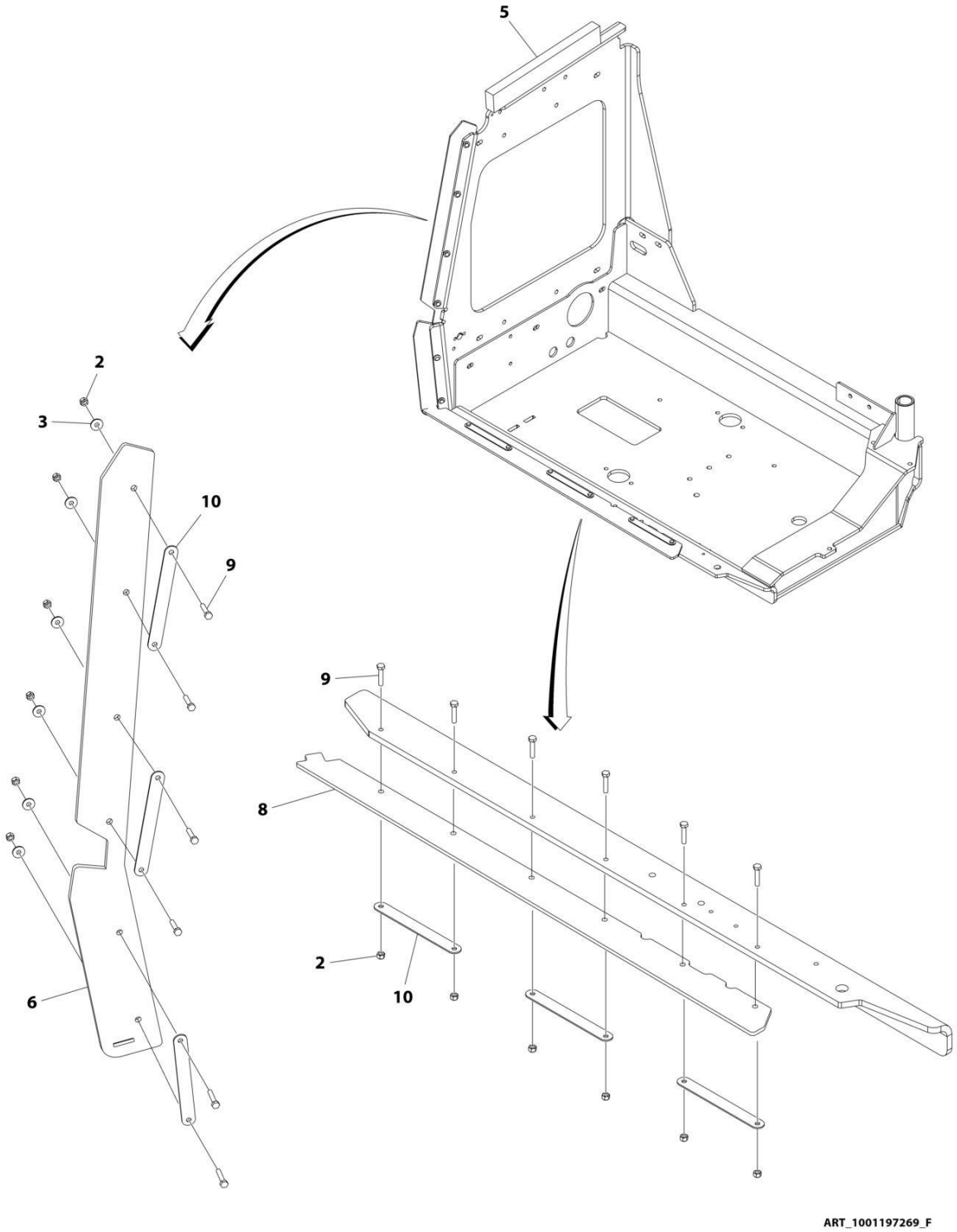


FIGURE 3-70. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2011, DEUTZ TD2.9L4 - 67HP AND FORD ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001197269	Ref	ENGINE HOOD BAFFLES INSTALLATION	F
2	3290605	AR	Nut M6	
3	4811702	AR	Washer M6	
5	1001234281	1	Seal	
6	1001234299	1	Seal	
8	1001234283	1	Seal	
9	0760614	AR	Bolt M6 x 30	
10	1001167164	6	Support	

FIGURE 3-71. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

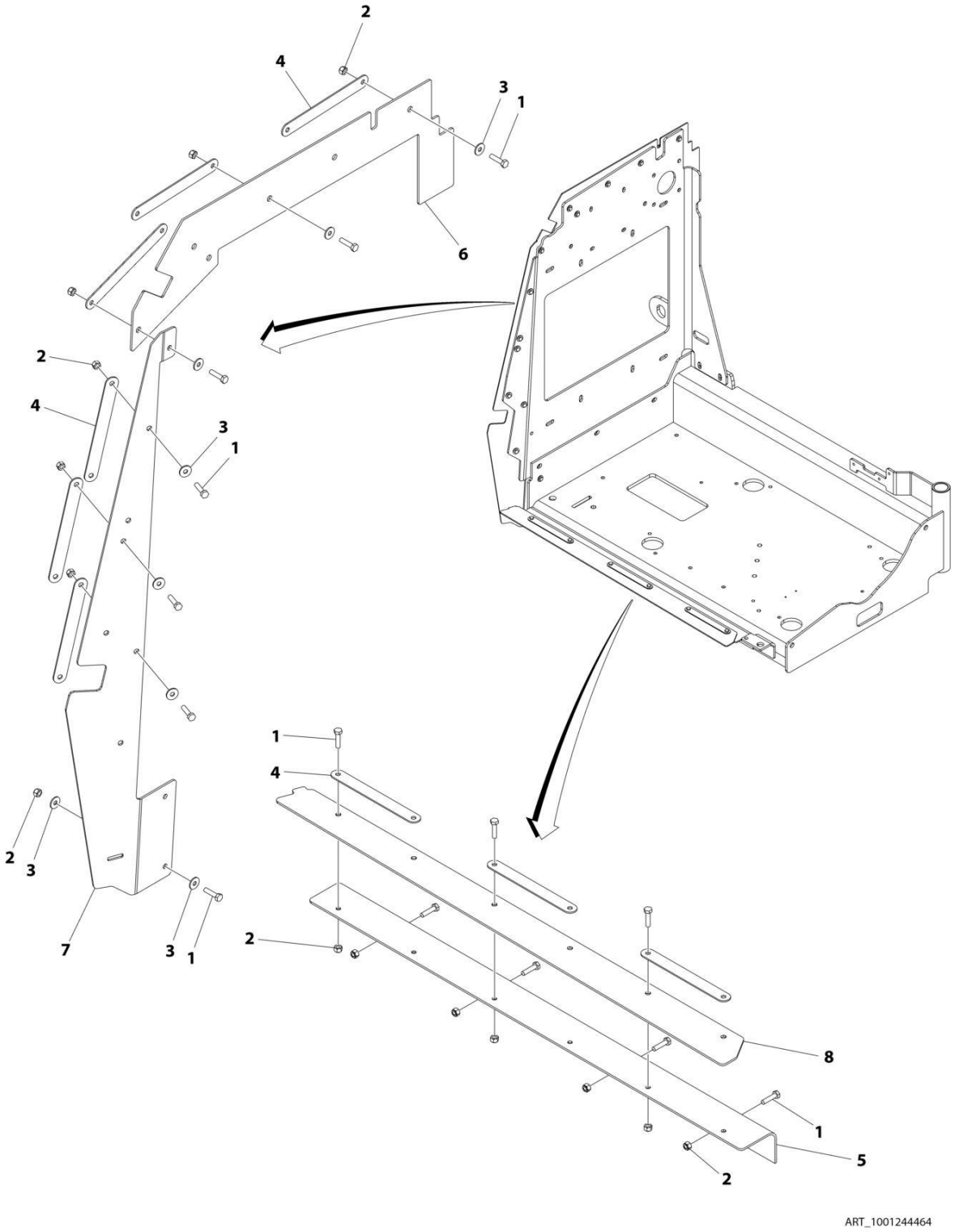


FIGURE 3-71. ENGINE HOOD BAFFLES INSTALLATION - STEEL HOODS (DEUTZ D2.9L4 - 49HP AND DEUTZ D2.9L4 (CHINA IV) ENGINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244464	Ref	ENGINE HOOD BAFFLES INSTALLATION	B
1	0760612	24	Bolt M6 x 25	
2	3290605	24	Nut M6	
3	4811702	30	Washer M6	
4	1001167164	9	Support	
5	1001244123	1	Plate	
6	1001244468	1	Seal	
7	1001244469	1	Seal	
8	1001244470	1	Seal	

FIGURE 3-72. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

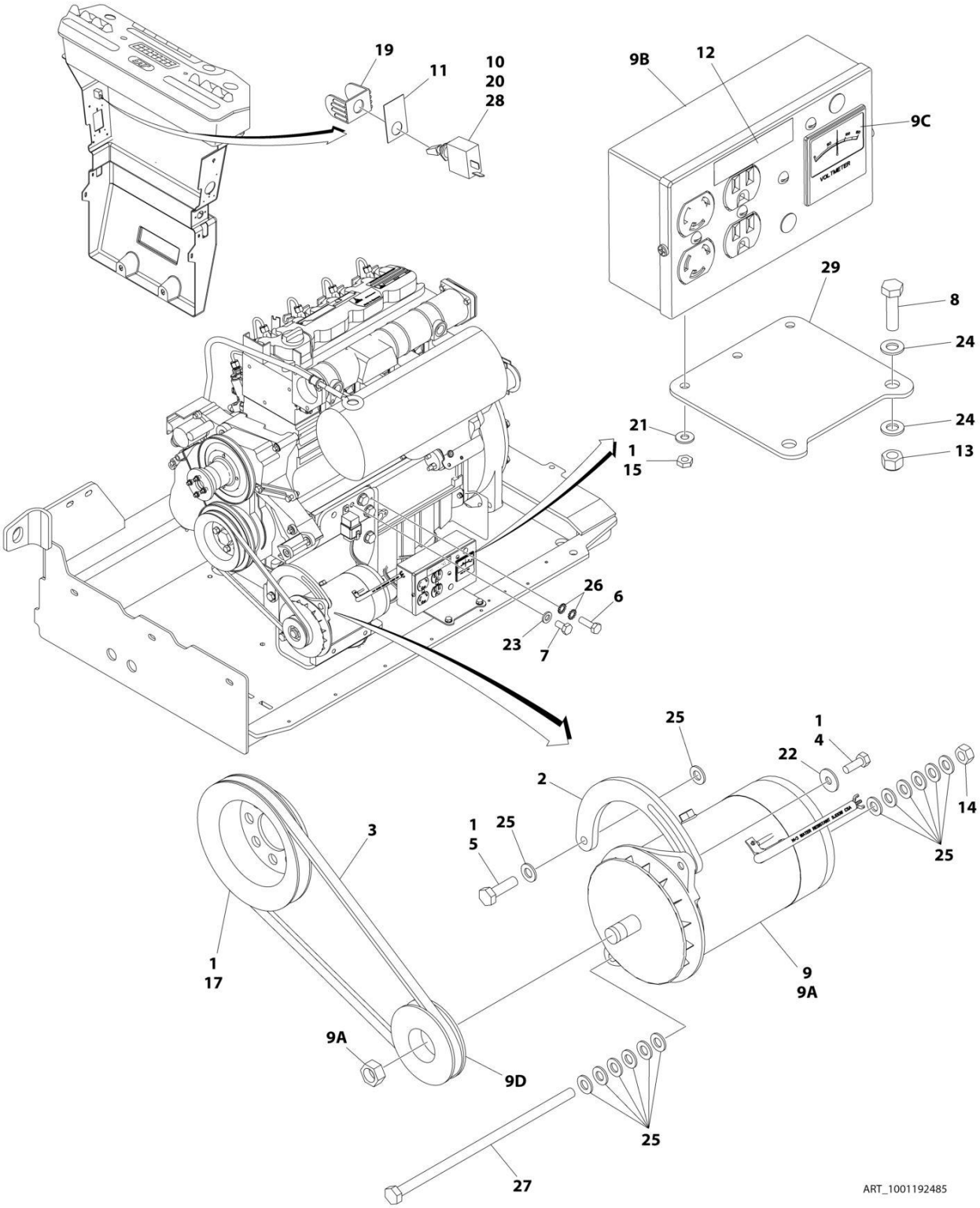


FIGURE 3-72. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192485	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	1001239716	1	Arm, Adjusting	
3	0480124	1	Belt	
4	0641508	1	Bolt 5/16 x 1	
5	0761012	1	Bolt M10 x 25	
6	0700610	1	Bolt M6 x 20	
7	0760606	1	Bolt M6 x 12	
8	0760814	2	Bolt M8 x 30	
9	2460055	1	Generator and Control Box Assembly	
9A	7012558	1	Generator, Replacement	
9A		Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
9A	7012513	4	Cap, Brush Holder	
9A	7020108	4	Brush	
9A	7020109	4	Holder, Brush	
9A	7012514	1	Fan	
9A	7020190	2	Bearing	
9A	7020110	1	Bell, Front	
9A	7020111	1	Bell, Rear	
9B	7019680	1	Box, Control	
9B	4360542	1	Breaker, Circuit	
9B	4460190	AR	Receptacle, Standard	
9B	4460027	AR	Receptacle, Twistlock	
9C	2420203	1	Voltmeter	
9D	3580276	1	Pulley	
9D	7027887	1	Key, Woodruff	
10	2820031	AR	Heat Shrink	
11	3251102	1	Nameplate - Generator On/Off	
12	3251243	1	Decal - 120V-60Hz	
13	3290805	2	Nut M8	
14	3291007	1	Nut M10	
15	3311001	2	Nut #10	
17	3580158	1	Pulley	
19	4060802	1	Guard, Switch	
20	4360336	1	Switch, Toggle	
21	4751000	1	Washer #10	
22	4811902	1	Washer M8	
23	4811700	1	Washer M6	
24	4811900	4	Washer M8	
25	4812000	14	Washer M10	
26	4871700	2	Washer M6	
27	1001119280	1	Bolt M10 x 260	
28	4922641	1	Generator Switch Harness	
29	1001193167	1	Plate, Mounting	
30	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-73. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

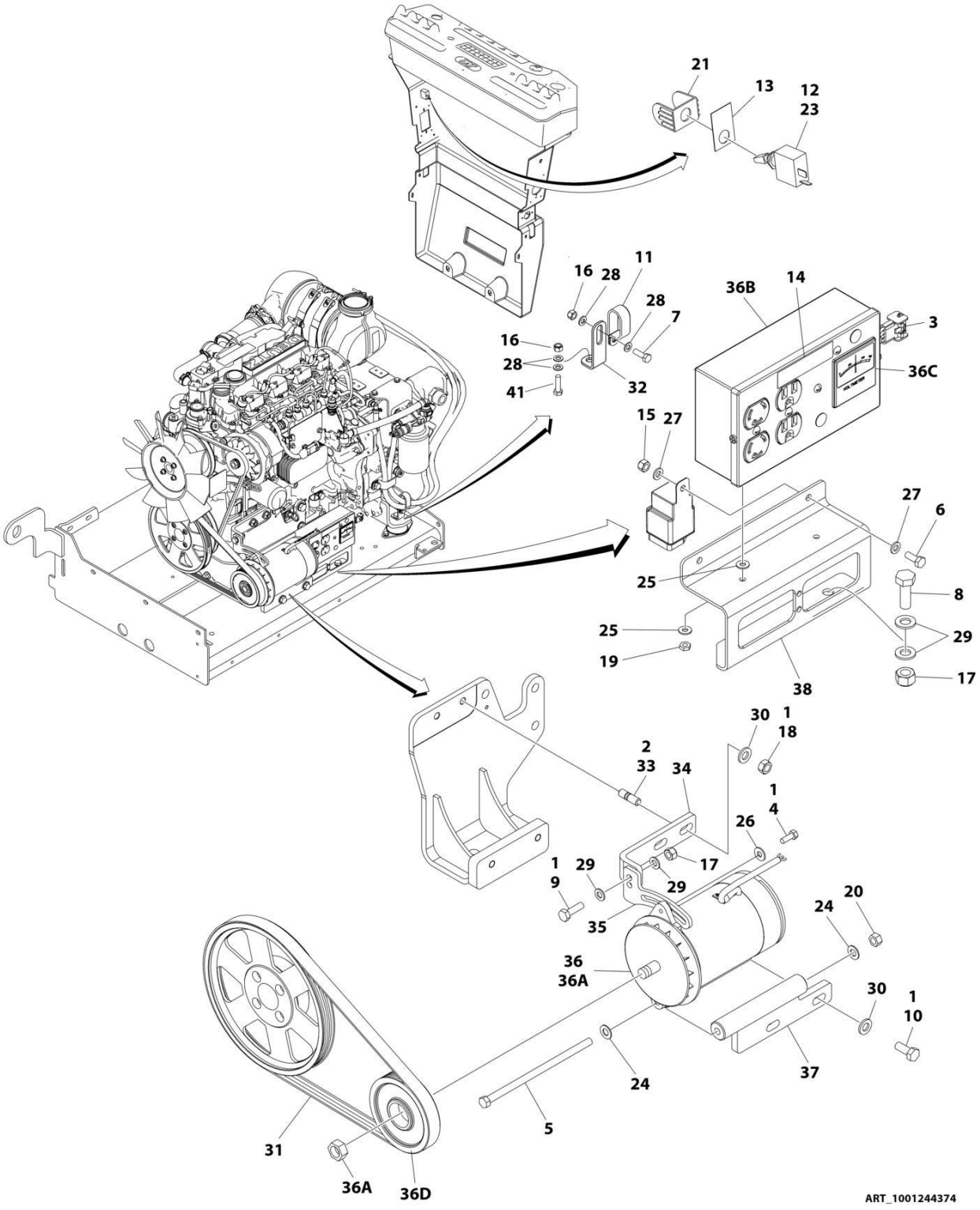


FIGURE 3-73. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244374	Ref	2500W GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Silicone	
4	0641507	1	Bolt 5/16 x 7/8	
5	0641772	1	Bolt 7/16 x 9	
6	0760608	1	Bolt M6 x 16	
7	0760812	1	Bolt M8 x 25	
8	0761014	2	Bolt M10 x 30	
9	0761015	1	Bolt M10 x 35	
10	0761214	2	Bolt M12 x 30	
11	1321716	1	Clamp	
12	2820031	AR	Heat Shrink	
13	3251102	1	Nameplate - Generator On/Off	
14	3251243	1	Decal - 120V-60Hz	
15	3290605	1	Nut M6	
16	3290805	2	Nut M8	
17	3291005	3	Nut M10	
18	3291201	2	Nut M12	
19	3311001	2	Nut #10	
20	3311705	1	Nut 7/16	
21	4060802	1	Guard, Switch	
22	4240099	AR	Tie-Strap (Not Shown)	
23	4360336	1	Switch, Toggle	
24	4711700	2	Washer 7/16	
25	4751000	4	Washer #10	
26	4751500	1	Washer 5/16	
27	4811700	2	Washer M6	
28	4811900	4	Washer M8	
29	4812000	6	Washer M10	
30	5241200	4	Washer M12	
31	1001148138	1	Belt	
32	1001223122	1	Bracket	
33	1001155041	2	Stud	
34	1001179836	1	Mount (Upper)	
35	1001179837	1	Arm, Adjusting	
36	1001180001	1	Generator and Control Box Assembly	
36A	7012558	1	Generator, Replacement	
36A		Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This Pulley may not be correct for all applications. Refer to Pulley options below.	
36A	7026199	1	Armature with Slip Rings	
36A	7012513	4	Cap, Brush Holder	
36A	7020108	4	Brush	
36A	7020109	4	Holder, Brush	
36A	7012514	1	Fan	
36A	7020110	1	Bell, Front	
36A	7020111	1	Bell, Rear	
36A	7020190	2	Bearing	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
36B	7019680	1	Box, Control	
36B		Ref	Receptacle Options:	
36B	4460190	1	Receptacle, Standard	
36B	4460027	1	Receptacle, Twistlock	
36B	4360542	1	Breaker, Circuit	
36B	3520028	1	Plug, Hole	
36C	2420203	1	Voltmeter	
36D	3580276	1	Pulley	
36D	7027887	1	Key, Woodruff	
37	1001181243	1	Mount (Lower)	
38	1001183477	1	Support	
40	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
41	0760814	1	Bolt M8 x 30	

FIGURE 3-74. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

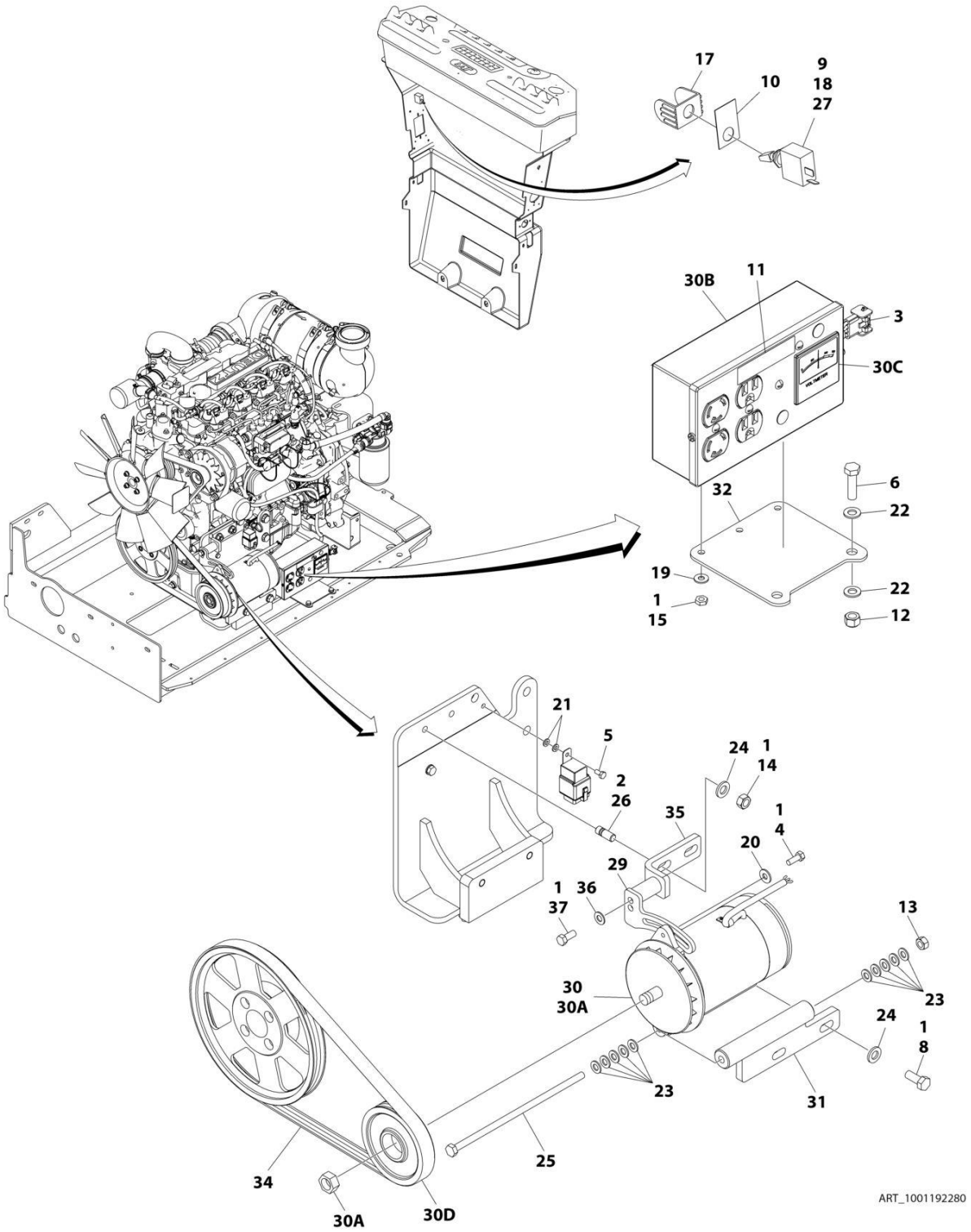


FIGURE 3-74. 2500W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192280	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Silicone	
4	0641507	1	Bolt 5/16 x 7/8	
5	0760606	1	Bolt M6 x 12	
6	0760814	2	Bolt M8 x 30	
8	0761214	2	Bolt M12 x 30	
9	2820031	AR	Heat Shrink	
10	3251102	1	Nameplate - Generator On/Off	
11	3251243	1	Decal - 120V-60Hz	
12	3290805	2	Nut M8	
13	3291007	1	Nut M10	
14	3291201	2	Nut M12	
15	3311001	2	Nut #10	
17	4060802	1	Guard, Switch	
18	4360336	1	Switch, Toggle	
19	4751000	2	Washer #10	
20	4751500	1	Washer 5/16	
21	4811700	2	Washer M6	
22	4811900	4	Washer M8	
23	4812000	10	Washer M10	
24	5241200	4	Washer M12	
25	1001119280	1	Bolt M10 x 260	
26	1001196382	2	Stud	
27	4922641	1	Generator Switch Harness	
29	1001179837	1	Arm, Adjusting	
30	1001180001	1	Generator and Control Box Assembly	
30A	7012558	1	Generator, Replacement	
30A		Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This Pulley may not be correct for all applications. Refer to Pulley options below.	
30A	7026199	1	Armature with Slip Rings	
30A	7012513	4	Cap, Brush Holder	
30A	7020108	4	Brush	
30A	7020109	4	Holder, Brush	
30A	7012514	1	Fan	
30A	7020110	1	Bell, Front	
30A	7020111	1	Bell, Rear	
30A	7020190	2	Bearing	
30B	7019680	1	Box, Control	
30B		Ref	Receptacle Options:	
30B	4460190	1	Receptacle, Standard	
30B	4460027	1	Receptacle, Twistlock	
30B	4360542	1	Breaker, Circuit	
30B	3520028	1	Plug, Hole	
30C	2420203	1	Voltmeter	
30D	3580276	1	Pulley	
30D	7027887	1	Key, Woodruff	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	1001181243	1	Mount (Lower)	
32	1001193167	1	Plate	
33	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	
34	1001148138	1	Belt	
35	1001216015	1	Mount (Upper)	
36	4711600	1	Washer 3/8	
37	0641607	1	Bolt 3/8 x 7/8	

FIGURE 3-75. 2500W GENERATOR INSTALLATION - 110V/60HZ (FORD ENGINES) (OPTIONAL)

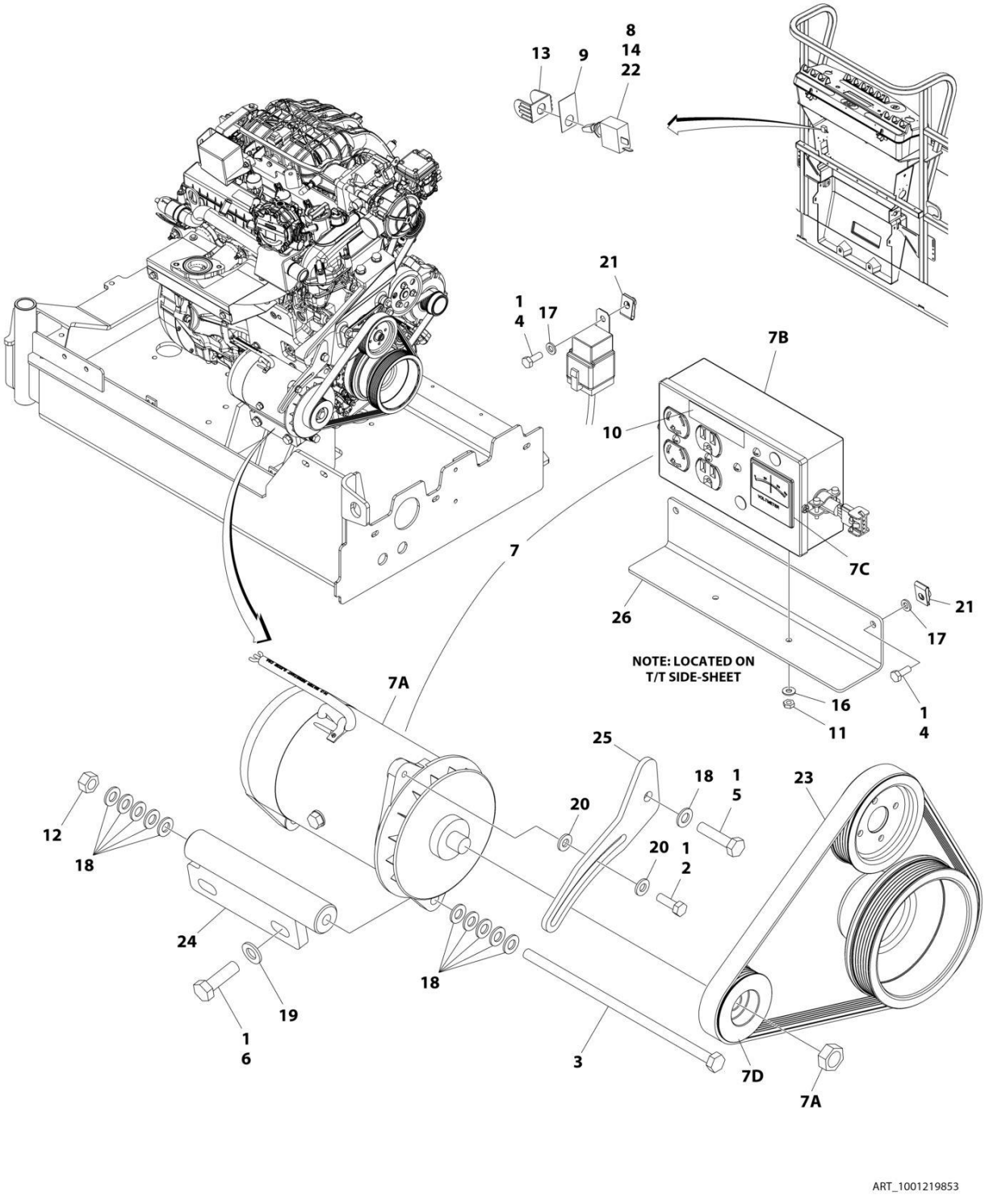


FIGURE 3-75. 2500W GENERATOR INSTALLATION - 110V/60HZ (FORD ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219853	Ref	2500W GENERATOR INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0641508	1	Bolt 5/16 x 1	
3	1001119280	1	Bolt M10 x 260	
4	0760608	3	Bolt M6 x 16	
5	0761016	1	Bolt M10 x 40	
6	0761216	2	Bolt M12 x 40	
7	2460051	1	Generator and Control Box Assembly	
7A	7012558	1	Generator, Replacement	
		Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
7A	7026199	1	Armature with Slip Rings	
7A	7012513	4	Cap, Brush Holder	
7A	7020108	4	Brush	
7A	7020109	4	Holder, Brush	
7A	7012514	1	Fan	
7A	7020110	1	Bell, Front	
7A	7020111	1	Bell, Rear	
7A	7020190	2	Bearing	
7B	7019680	1	Box, Control	
7B		Ref	Receptacle Options:	
7B	4460190	1	Receptacle, Standard	
7B	4460027	1	Receptacle, Twistlock	
7B	4360542	1	Breaker, Circuit	
7B	3520028	1	Plug, Hole	
7C	2420203	1	Voltmeter	
7D	3580324	1	Pulley	
7D	7027887	1	Key, Woodruff	
8	2820031	AR	Heat Shrink	
9	3251102	1	Nameplate - Generator On/Off	
10	3251243	1	Decal - 120V-60Hz	
11	3311005	2	Nut #10	
12	3291007	1	Nut M10	
13	4060802	1	Guard, Switch	
14	4360336	1	Switch, Toggle	
16	4751000	2	Washer #10	
17	4811700	3	Washer M6	
18	4812000	11	Washer M10	
19	4812100	2	Washer M12	
20	4891500	2	Washer 5/16	
21	1001130220	3	Nut, Tinnerman M6	
22	4922641	1	Generator Switch Harness	
23	1001216391	1	Belt	
24	1001219630	1	Mount (Lower)	
25	1001219632	1	Arm, Adjusting	
26	1001220728	1	Bracket	
27	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-76. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

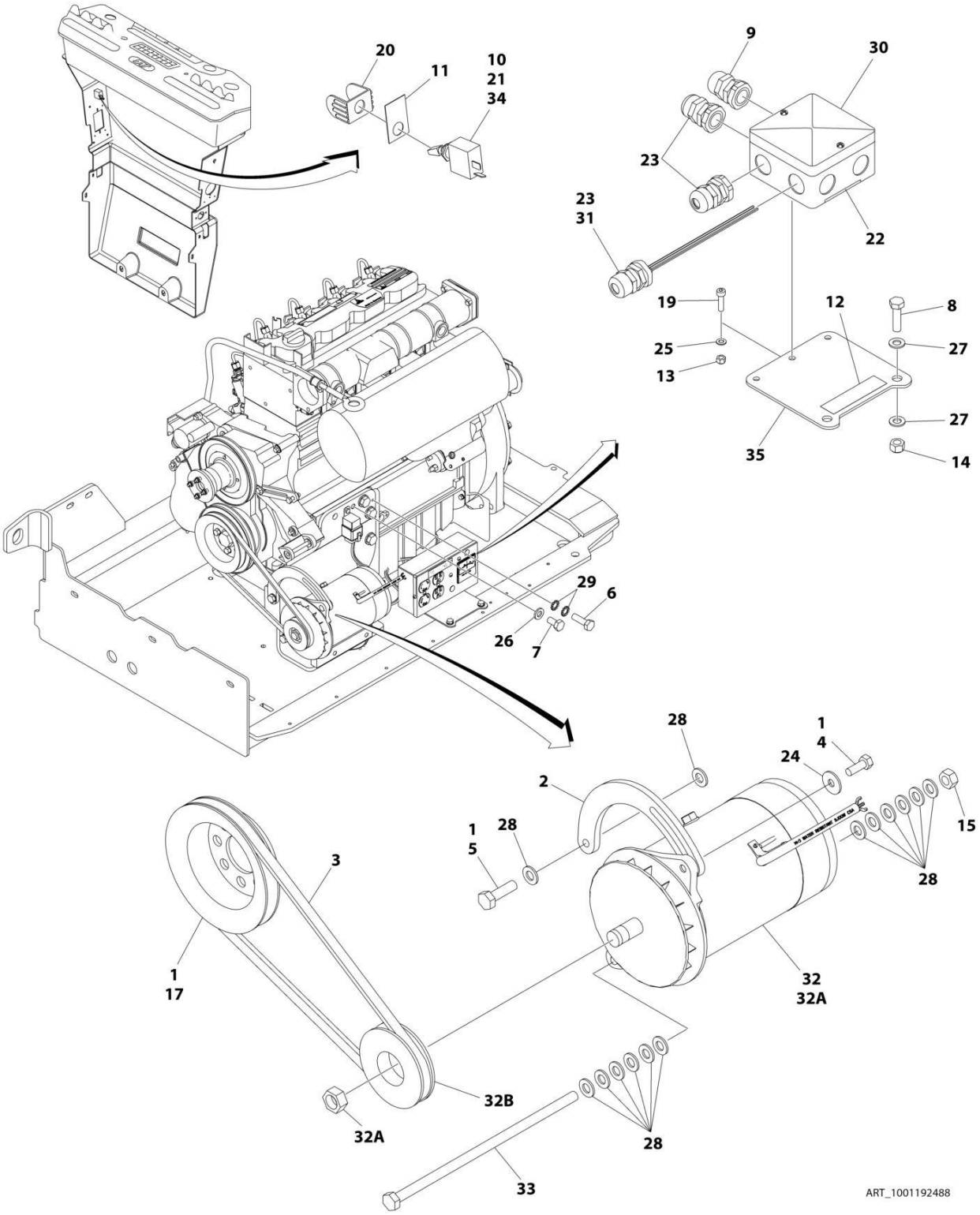


FIGURE 3-76. 2500W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192488	Ref	2500W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	1001239716	1	Arm, Adjusting	
3	0480124	1	Belt, Generator	
4	0641508	1	Bolt 5/16 x 1	
5	0761012	1	Bolt M10 x 25	
6	0700610	1	Bolt M6 x 20	
7	0760606	1	Bolt M6 x 12	
8	0760814	2	Bolt M8 x 30	
9	0962449	1	Bushing	
10	2820031	AR	Heat Shrink	
11	3251102	1	Nameplate - Generator On/Off	
12	3252507	1	Decal - 220 Volt	
13	3290505	1	Nut M5	
14	3290805	2	Nut M8	
15	3291007	1	Nut M10	
17	3580158	1	Pulley	
19	4031608	1	Capscrew M5 x 20	
20	4060802	1	Guard, Switch	
21	4360336	1	Switch, Toggle	
22	4420060	1	Tape	
23	4460968	3	Connector, Strain Relief	
24	4811902	1	Washer M8	
25	4811600	1	Washer M5	
26	4811700	1	Washer M6	
27	4811900	4	Washer M8	
28	4812000	14	Washer M10	
29	4871700	2	Washer M6	
30	1001099869	1	Box, Junction	
31	1001100234	1	Lamp, Red	
32	1001100321	1	Generator Assembly	
32A		Ref	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
32A	70000123	1	Armature with Slip Rings	
32A	7012513	4	Cap, Brush Holder	
32A	7020108	4	Brush	
32A	7020109	4	Holder, Brush	
32A	7012514	1	Fan	
32A	7020110	1	Bell, Front	
32A	7020111	1	Bell, Rear	
32A	7020190	2	Bearing	
32B	3580134	1	Pulley	
32B	7027887	1	Key, Woodruff	
33	1001119280	1	Bolt M10 x 260	
34	4922641	1	Generator Switch Harness	
35	1001193167	1	Plate	
36	1001194114	1	Generator Harness - 2500W (Not Shown) (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-77. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

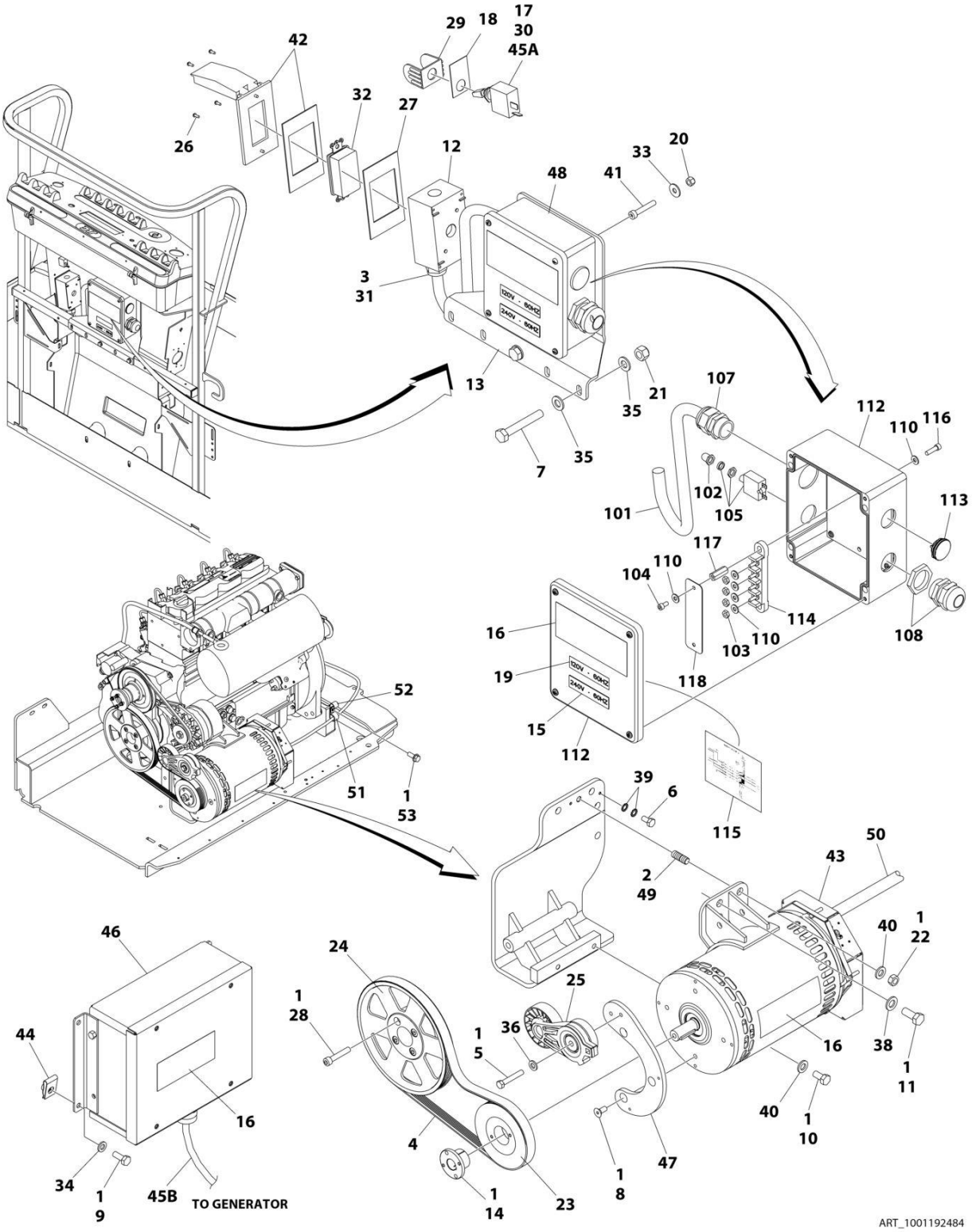


FIGURE 3-77. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192484	Ref	4000W GENERATOR INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100079	AR	Sealant	
4	1001136356	1	Belt	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
7	0700819	1	Bolt M8 x 55	
8	0741607	3	Screw 3/8 x 7/8	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0771415	1	Bolt M14 x 35	
12	0860038	1	Box, Receptacle	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
15	1705374	1	Decal - 240V-60Hz	
16	1705387	3	Decal - Hazardous Voltage	
17	2820031	AR	Heat Shrink	
18	3251102	1	Nameplate - Generator On/Off	
19	3251243	1	Decal - 120V-60Hz	
20	3290505	4	Nut M5	
21	3290805	2	Nut M8	
22	3291201	1	Nut M12	
23	3580318	1	Pulley	
24	3580320	1	Pulley	
25	3580317	1	Tensioner, Belt	
26	3910606	4	Screw #6 x 3/8	
27	3960422	1	Gasket	
28	4032015	4	Capscrew M10 x 55	
29	4060802	1	Guard, Switch	
30	4360336	1	Switch, Toggle	
31	4460071	1	Connector, Strain Relief	
32	4460346	1	Receptacle	
33	4811602	4	Washer M5	
34	4811700	4	Washer M6	
35	4811900	4	Washer M8	
36	5241000	1	Washer M10	
38	5241400	1	Washer M14	
39	4871700	2	Washer M6	
40	5241200	3	Washer M12	
41	1001104029	4	Capscrew M5 x 30 Grade 12.9	
42	1001110873	1	Cover, Receptacle	
43	1001129858	1	Generator Assembly (60Hz)	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	
43	70001966	1	Bearing	
43	70004092	1	Endbell (Shaft End)	
43	70004171	1	Key	
43	70004676	1	Rotor	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70004684	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004685	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001130220	4	Nut, Tinnerman M6	
45A	4922641	1	Generator Switch Harness	
45B	1001153197	1	Generator to Engine Harness	
45B	4460967	1	Connector - 3 Position	
45B	4460465	2	Socket, Female	
46	1001138566	1	Box, Control	
46	70006552	1	Capacitor	
46	70006553	1	Relay	
47	1001139357	1	Mount	
48	1001152457	1	Junction Box Assembly (See Items 101-118 for Breakdown)	
49	1001196382	1	Stud	
50	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
51	7274000040	1	Clamp	
52	1320061	1	Clamp	
53	5251012	1	Bolt M10 x 25	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-78. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

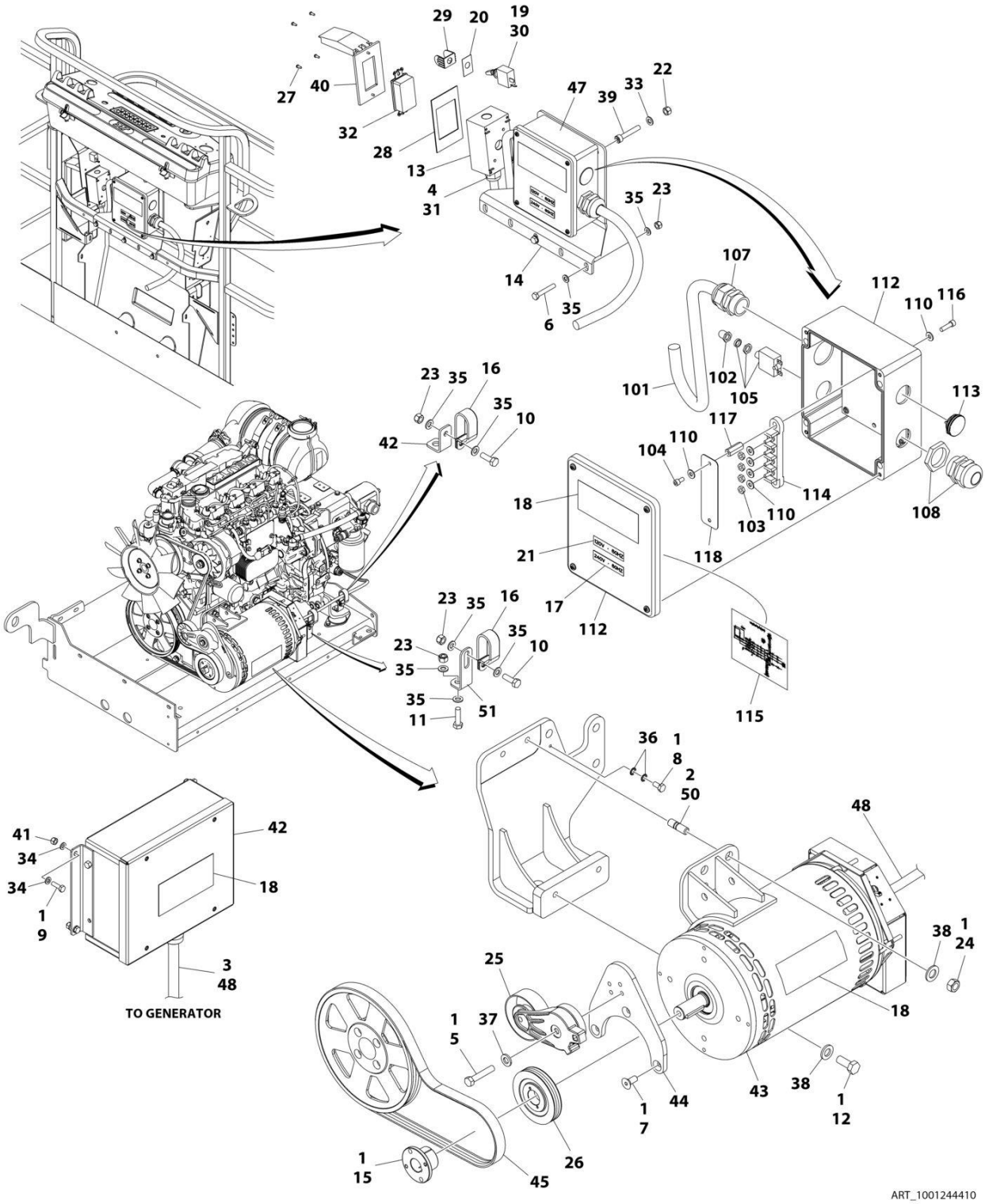


FIGURE 3-78. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244410	Ref	4000W GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound, Locking	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0760812	1	Bolt M8 x 25	
11	0760814	1	Bolt M8 x 30	
12	0761212	2	Bolt M12 x 25	
13	0860038	1	Box, Receptacle	
14	0902888	1	Bracket	
15	0962520	1	Bushing, Split	
16	1321716	1	Clamp	
17	1705374	1	Decal - 240V-60Hz	
18	1705387	3	Decal - Hazardous Voltage	
19	2820031	AR	Heat Shrink	
20	3251102	1	Nameplate - Generator On/Off	
21	3251243	1	Decal - 120V-60Hz	
22	3290505	4	Nut M5	
23	3290805	4	Nut M8	
24	3291201	2	Nut M12	
25	3580317	1	Tensioner, Belt	
26	3580318	1	Pulley	
27	3910606	4	Screw #6 x 3/8	
28	3960422	1	Gasket	
29	4060802	1	Guard, Switch	
30	4360336	1	Switch, Toggle	
31	4460071	1	Connector, Strain Relief	
32	4460346	1	Receptacle	
33	4811602	4	Washer M5	
34	4811700	4	Washer M6	
35	4811900	8	Washer M8	
36	4871700	2	Washer M6	
37	5241000	1	Washer M10	
38	5241200	4	Washer M12	
39	1001104029	4	Capscrew M5 x 30 Grade 12.9	
40	1001110873	1	Cover	
41	1001130220	4	Nut, Tinnerman M6	
42	1001138566	1	Box, Control	
42	70006552	1	Capacitor	
42	70006553	1	Relay	
43	1001140346	1	Generator Assembly (60Hz)	
43	70003709	1	Ring, Retaining (External)	
43	70003708	1	Ring, Retaining (Internal)	
43	70001966	1	Bearing	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	70004092	1	Endbell (Shaft End)	
43	70004099	1	Key	
43	70004676	1	Rotor	
43	70004687	1	Stator	
43	70004678	1	Endbell (Rear)	
43	70004679	1	Cover, Endbell (Rear)	
43	70004680	1	Enclosure, Wiring	
43	70004685	1	Cover, Enclosure	
43	70004682	1	Switch, Reset (Located on Enclosure Cover)	
43	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
44	1001142643	1	Support	
45	1001142646	1	Belt	
47	1001152457	1	Junction Box Assembly (See Items 101-118 for Breakdown)	
48	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
50	1001196382	2	Stud	
51	1001223122	1	Support	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-79. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

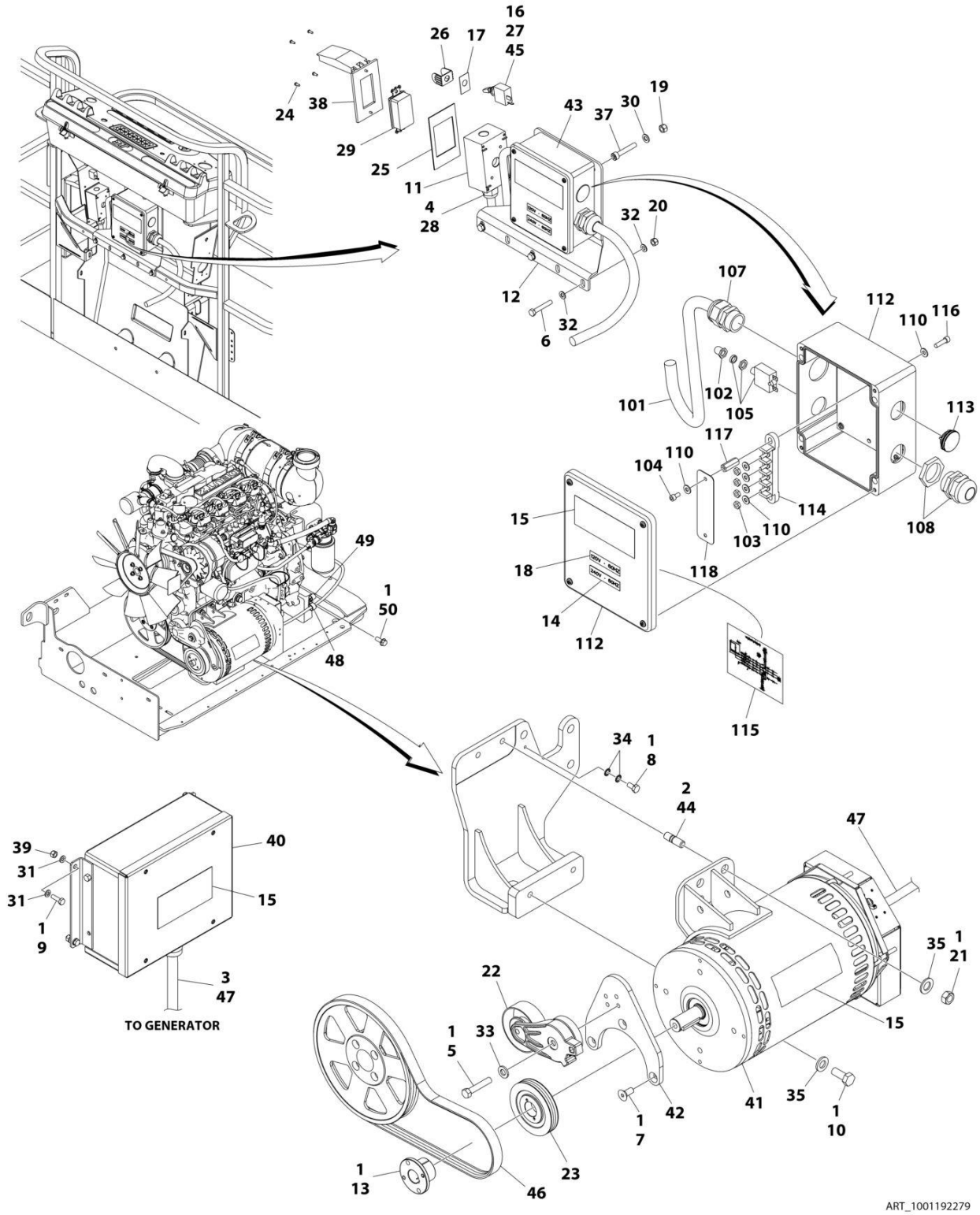


FIGURE 3-79. 4000W GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192279	Ref	4000W GENERATOR INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound, Locking	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0860038	1	Box, Receptacle	
12	0902888	1	Bracket	
13	0962520	1	Bushing, Split	
14	1705374	1	Decal - 240V-60Hz	
15	1705387	3	Decal - Hazardous Voltage	
16	2820031	AR	Heat Shrink	
17	3251102	1	Nameplate - Generator On/Off	
18	3251243	1	Decal - 120V-60Hz	
19	3290505	4	Nut M5	
20	3290805	2	Nut M8	
21	3291201	2	Nut M12	
22	3580317	1	Tensioner, Belt	
23	3580318	1	Pulley	
24	3910606	4	Screw #6 x 3/8	
25	3960422	1	Gasket	
26	4060802	1	Guard, Switch	
27	4360336	1	Switch, Toggle	
28	4460071	1	Connector, Strain Relief	
29	4460346	1	Receptacle	
30	4811602	4	Washer M5	
31	4811700	4	Washer M6	
32	4811900	4	Washer M8	
33	5241000	1	Washer M10	
34	4871700	2	Washer M6	
35	5241200	4	Washer M12	
37	1001104029	4	Capscrew M5 x 30 Grade 12.9	
38	1001110873	1	Cover	
39	1001130220	4	Nut, Tinnerman M6	
40	1001138566	1	Box, Control	
40	70006552	1	Capacitor	
40	70006553	1	Relay	
41	1001140346	1	Generator Assembly (60Hz)	
41	70003709	1	Ring, Retaining (External)	
41	70003708	1	Ring, Retaining (Internal)	
41	70001966	1	Bearing	
41	70004092	1	Endbell (Shaft End)	
41	70004099	1	Key	
41	70004676	1	Rotor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70004687	1	Stator	
41	70004678	1	Endbell (Rear)	
41	70004679	1	Cover, Endbell (Rear)	
41	70004680	1	Enclosure, Wiring	
41	70004685	1	Cover, Enclosure	
41	70004682	1	Switch, Reset (Located on Enclosure Cover)	
41	70004098	1	Connector, Strain Relief (Located on Enclosure Cover)	
42	1001142643	1	Support	
43	1001152457	1	Junction Box Assembly (See Items 101-118 for Breakdown)	
44	1001196382	2	Stud	
45	4922641	1	Generator Switch Harness	
46	1001142646	1	Belt	
47	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
48	7274000040	1	Clamp	
49	1320061	1	Clamp	
50	5251012	1	Bolt M10 x 25	
	1001152457	Ref	JUNCTION BOX ASSEMBLY	
101	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
102	3300396	1	Cover, Breaker	
103	3311001	4	Nut #10	
104	3900300	2	Screw	
105	4360070	1	Breaker, Circuit - 15Amp	
107	4460425	1	Connector, Strain Relief (LH Side)	
108	4460426	1	Connector, Strain Relief (RH Side)	
110	4711000	8	Washer #10	
112	1001152456	1	Box, Junction	
113	1001152525	1	Plug	
114	1001152530	1	Terminal, Block	
115	1001153260	1	Decal - Wiring Diagram	
116	3900267	2	Screw	
117	1001158008	2	Stand-Off	
118	1001158363	1	Cover, Terminal Block	

FIGURE 3-80. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

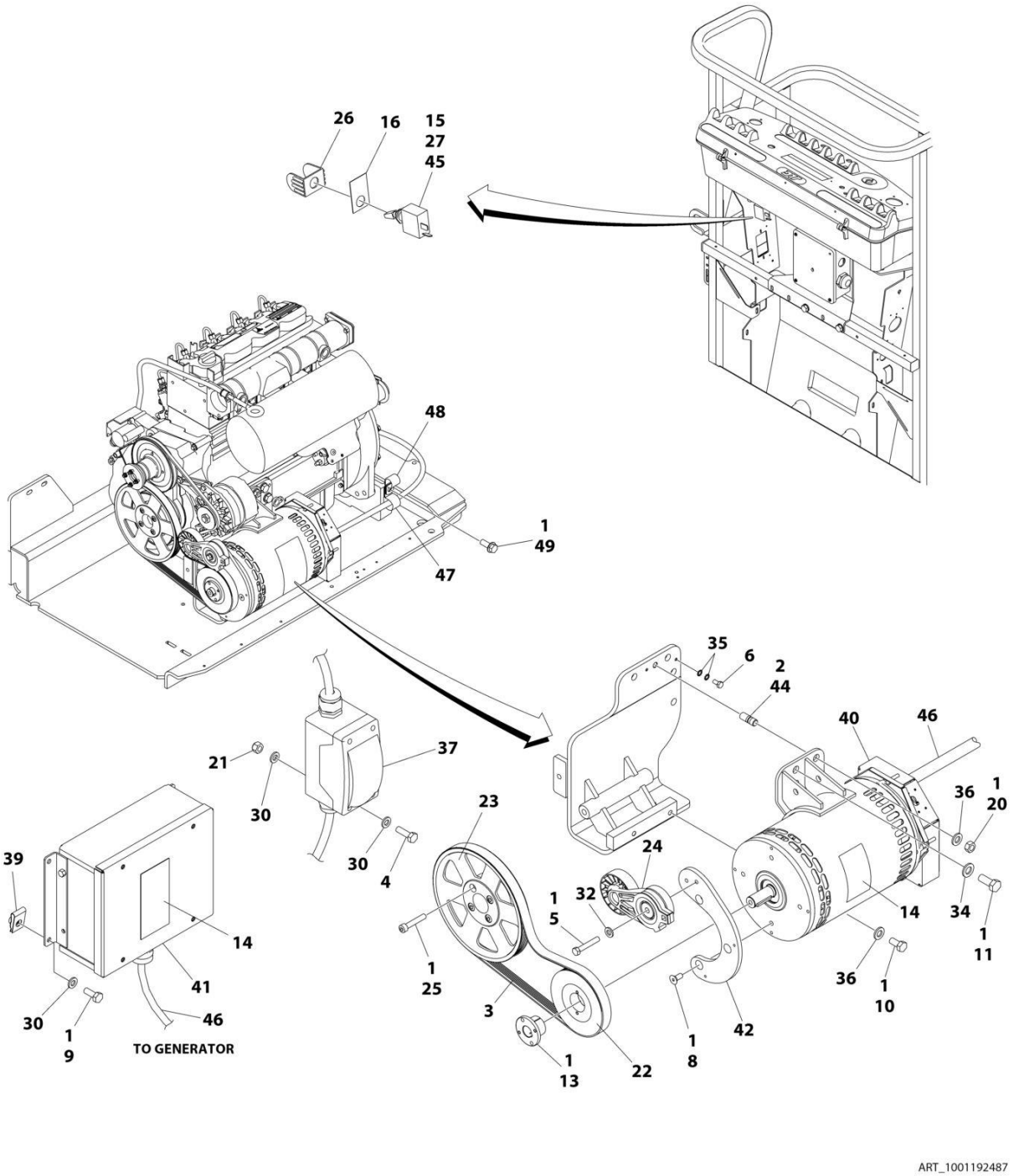


FIGURE 3-80. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192487	Ref	4000W GENERATOR INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	1001141814	1	Belt	
4	0760610	2	Bolt M6 x 20	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
8	0741607	3	Screw 3/8 x 7/8	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0771415	1	Bolt 14 x 35	
13	0962520	1	Bushing, Split	
14	1705489	2	Decal - Hazardous Voltage	
15	2820031	AR	Heat Shrink	
16	3251102	1	Nameplate - Generator On/Off	
20	3291201	1	Nut M12	
21	3290605	2	Nut M6	
22	3580319	1	Pulley	
23	3580320	1	Pulley	
24	3580317	1	Tensioner, Belt	
25	4032015	4	Capscrew M10 x 55	
26	4060802	1	Guard, Switch	
27	4360336	1	Switch, Toggle	
30	4811700	8	Washer M6	
32	5241000	1	Washer M10	
34	5241400	1	Washer M14	
35	4871700	2	Washer M6	
36	5241200	3	Washer M12	
37	1001096070	1	Breaker Box Kit (See Separate Breakdown in ELECTRICAL SECTION)	
39	1001130220	4	Nut, Tinnerman M6	
40	1001138565	1	Generator Assembly (50Hz)	
40	70003709	1	Ring, Retaining (External)	
40	70003708	1	Ring, Retaining (Internal)	
40	70001966	1	Bearing	
40	70004092	1	Endbell (Shaft End)	
40	70004171	1	Key	
40	70004676	1	Rotor	
40	70004677	1	Stator	
40	70004678	1	Endbell (Rear)	
40	70004679	1	Cover, Endbell (Rear)	
40	70004680	1	Enclosure, Wiring	
40	70004681	1	Cover, Enclosure	
40	70004682	1	Switch, Reset (Located on Enclosure Cover)	
40	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
41	1001138566	1	Box, Control	
41	70006552	1	Capacitor	
41	70006553	1	Relay	
42	1001139357	1	Mount	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
44	1001196382	1	Stud	
45	4922641	1	Generator Switch Harness	
46	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
47	7274000040	1	Clamp	
48	1320061	1	Clamp	
49	5251012	1	Bolt M10 x 25	

FIGURE 3-81. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

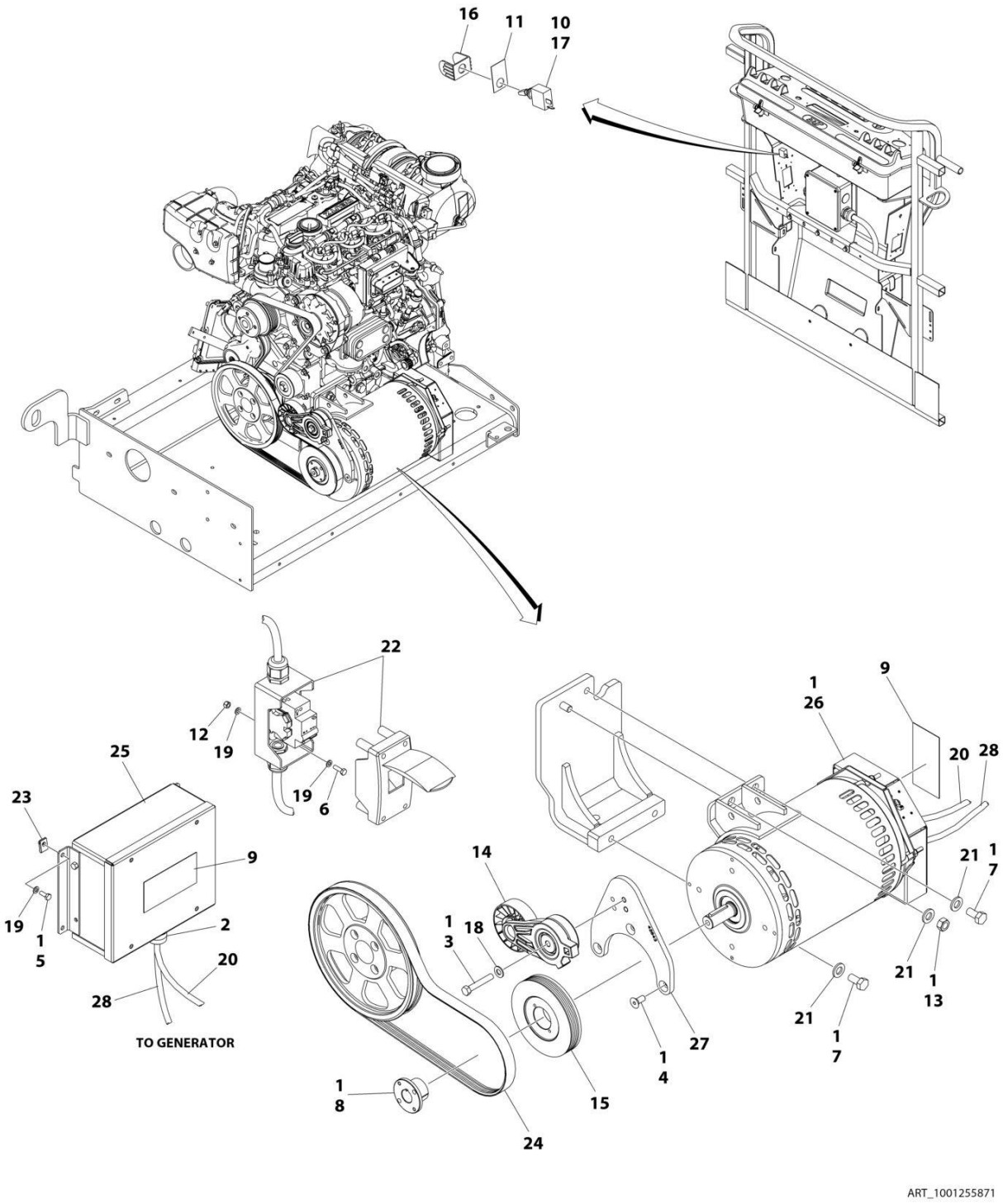


FIGURE 3-81. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255871	Ref	4000W GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Terminal	
3	0641618	1	Bolt 3/8 x 2-1/4	
4	0741607	3	Screw 3/8 x 7/8	
5	0760608	4	Bolt M6 x 16	
6	0760610	2	Bolt M6 x 20	
7	0761212	3	Bolt M12 x 25	
8	0962520	1	Bushing, Split	
9	1705489	2	Decal - Hazardous Voltage	
10	2820031	AR	Heatshrink	
11	3252764	1	Nameplate - AC & Weld	
12	3290605	2	Nut M6	
13	3291201	1	Nut M12	
14	3580317	1	Tensioner, Belt	
15	3580319	1	Pulley	
16	4060802	1	Guard, Switch	
17	4360336	1	Switch, Toggle	
18	4711600	1	Washer 3/8	
19	4811700	8	Washer M6	
20	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
21	5241200	4	Washer M12	
22	1001096070	1	Box & Breaker Kit (See Separate Breakdown in ELECTRICAL SECTION)	
23	1001130220	4	Nut, Tinnerman M6	
24	1001136356	1	Belt	
25	1001138566	1	Box, Control	
25	70006552	1	Capacitor	
25	70006553	1	Relay	
26	1001140347	1	Generator Assembly - 50Hz	
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	Connector - 6 Position (Located on Enclosure Cover)	
26	4460294	1	Pin, Male (Located on Enclosure Cover)	
27	1001142643	1	Support	
28	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	

FIGURE 3-82. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

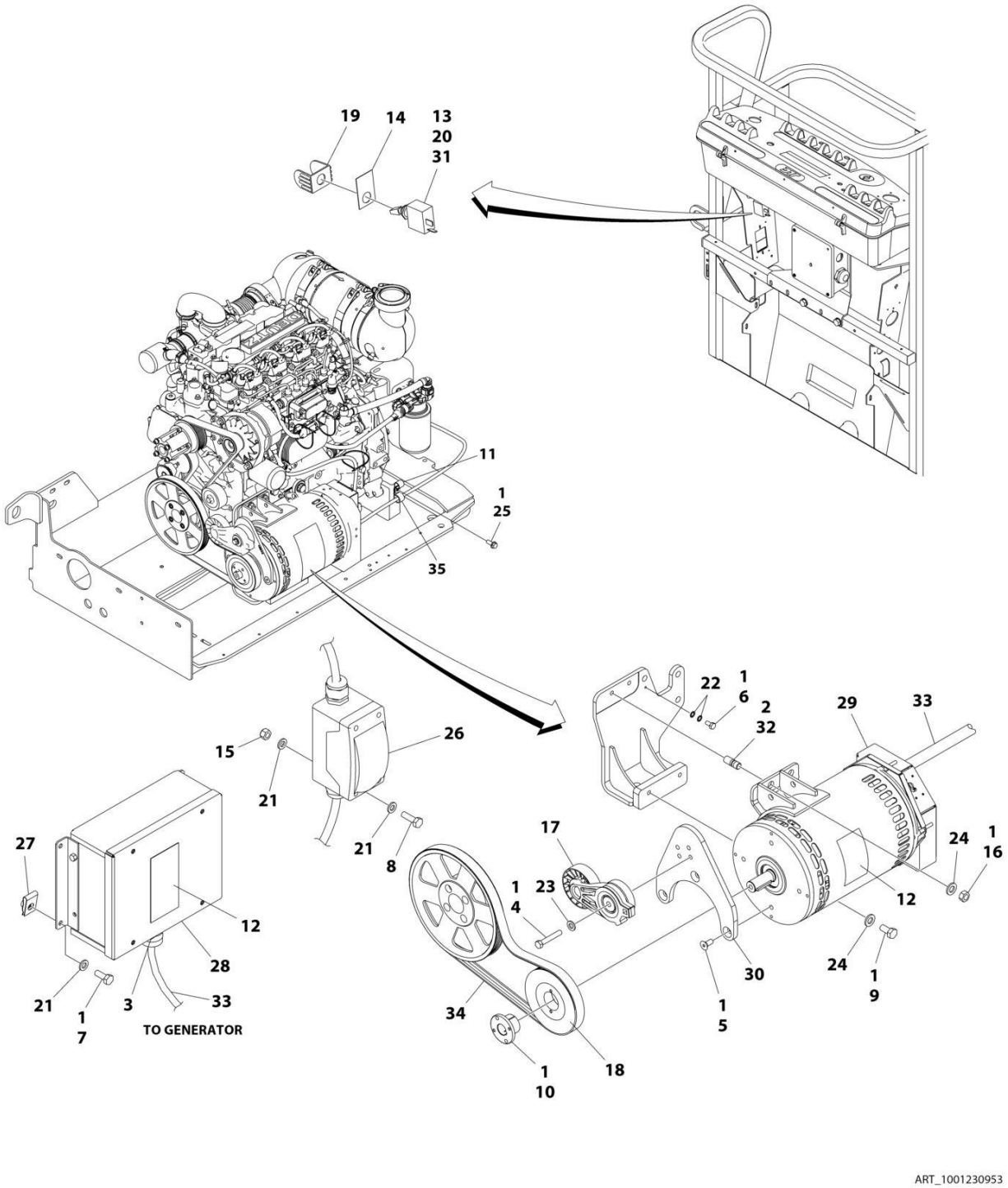


FIGURE 3-82. 4000W GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230953	Ref	4000W GENERATOR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Terminal	
4	0641616	1	Bolt 3/8 x 2	
5	0741607	3	Screw 3/8 x 7/8	
6	0760606	1	Bolt M6 x 12	
7	0760608	4	Bolt M6 x 16	
8	0760610	2	Bolt M6 x 20	
9	0761212	2	Bolt M12 x 25	
10	0962520	1	Bushing, Split	
11	1320061	1	Clamp	
12	1705489	2	Decal - Hazardous Voltage	
13	2820031	AR	Heatshrink	
14	3251102	1	Nameplate - Generator	
15	3290605	2	Nut M6	
16	3291201	2	Nut M12	
17	3580317	1	Tensioner, Belt	
18	3580319	1	Pulley	
19	4060802	1	Guard, Switch	
20	4360336	1	Switch, Toggle	
21	4811700	8	Washer M6	
22	4871700	2	Washer M6	
23	5241000	1	Washer M10	
24	5241200	4	Washer M12	
25	5251012	1	Bolt M10 x 25	
26	1001096070	1	Box & Breaker Kit (See Separate Breakdown in ELECTRICAL SECTION)	
27	1001130220	4	Nut, Tinnerman M6	
28	1001138566	1	Box, Control	
28	70006552	1	Capacitor	
28	70006553	1	Relay	
29	1001140347	1	Generator Assembly - 50Hz	
29	70003709	1	Ring, Retaining (External)	
29	70003708	1	Ring, Retaining (Internal)	
29	70001966	1	Bearing	
29	70004092	1	Endbell (Shaft End)	
29	70004099	1	Key	
29	70004676	1	Rotor	
29	70004686	1	Stator	
29	70004678	1	Endbell (Rear)	
29	70004679	1	Cover, Endbell (Rear)	
29	70004680	1	Enclosure, Wiring	
29	70004681	1	Cover, Enclosure	
29	70004682	1	Switch, Reset (Located on Enclosure Cover)	
29	70004683	1	Connector, Strain Relief (Located on Enclosure Cover)	
29	4460224	1	Connector - 6 Position (Located on Enclosure Cover)	
29	4460294	1	Pin, Male (Located on Enclosure Cover)	
30	1001142643	1	Support	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
31	4922641	1	Switch Harness	
32	1001196382	2	Stud	
33	1001152532	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
34	1001214683	1	V-Belt	
35	7274000040	1	Clamp	

FIGURE 3-83. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

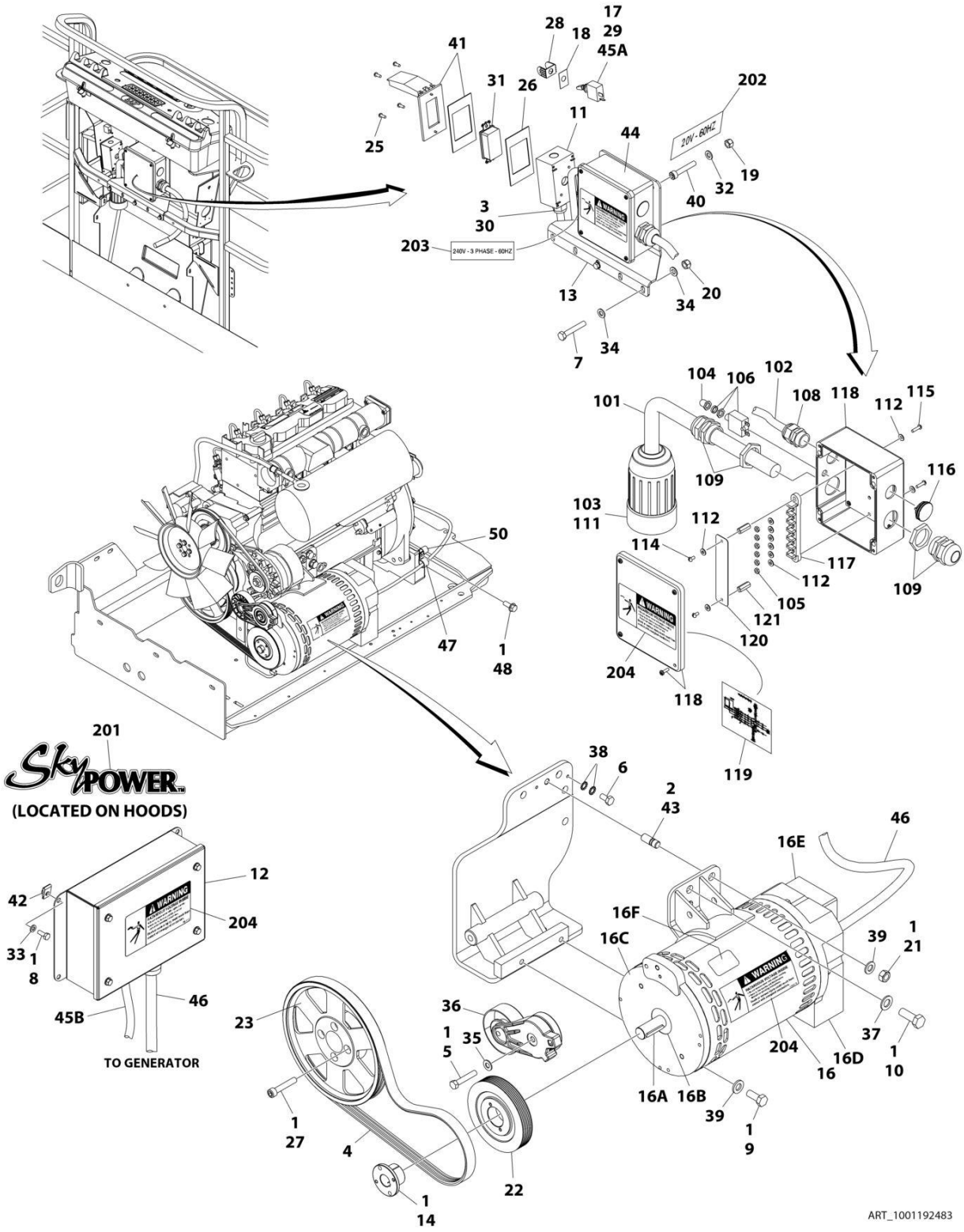


FIGURE 3-83. 7500W SKYPOWER GENERATOR INSTALLATION - 110/60HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192483	Ref	7500W SKYPOWER GENERATOR INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100079	AR	Sealant	
4	1001136356	1	Belt	
5	0641618	1	Bolt 3/8 x 2-1/4	
6	0760606	1	Bolt M6 x 12	
7	0700819	2	Bolt M8 x 55	
8	0760608	4	Bolt M6 x 16	
9	0761212	2	Bolt M12 x 25	
10	0771415	1	Bolt M14 x 35	
11	0860038	1	Box, Receptacle	
12	0861538	1	Control Box Assembly	
12	7024488	1	Card, Circuit - Generator Power	
12	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
12	7024489	1	Card, Circuit - Control	
12	70000619	1	Harness, Control Box (Internal)	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
16	2460048	1	Generator Assembly	
16	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
16	70001384	1	Bearing, Ball Radial (Not Shown)	
16	70000863	1	Fan (Not Shown)	
16	70002088	1	Stator (Not Shown)	
16	70002297	1	Stud	
16	70003631	1	Brushholder Assembly (Not Shown)	
16A	70004171	1	Key	
16B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
16B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
16B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
16C	70001953	1	Endbell, Belt Tensioner	
16D	70004169	1	Endbell, Brush Block	
16E	70004169	1	Shroud	
16E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
16E	7027799	1	Block, Connector - 6 Position (Not Shown)	
16E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
16E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
16E	70001696	1	Boot, Breaker (Not Shown)	
16E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
16E	7026597	1	Connector, with Leads (Not Shown)	
16E	7026188	1	Clamp, Cable Options (Not Shown)	
16E	70004169	1	Plate, End Panel	
16E	70001974	1	Decal - Terminal Connections	
16F	70001973	1	Decal - Warning Moving Parts	
17	2820031	AR	Heat Shrink	
18	3252764	1	Nameplate - AC & Weld	
19	3290505	4	Nut M5	
20	3290805	2	Nut M8	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	3291201	1	Nut M12	
22	3580318	1	Pulley	
23	3580320	1	Pulley	
25	3910606	4	Screw #6 x 3/8	
26	3960422	1	Gasket	
27	4032015	4	Capscrew M10 x 55	
28	4060802	1	Guard, Switch	
29	4360336	1	Switch, Toggle	
30	4460071	1	Connector, Strain Relief	
31	4460346	1	Receptacle	
32	4811602	4	Washer M5	
33	4811700	4	Washer M6	
34	4811900	4	Washer M8	
35	5241000	1	Washer M10	
36	3580317	1	Tensioner, Belt	
37	5241400	1	Washer M14	
38	4871700	2	Washer M6	
39	5241200	3	Washer M12	
40	1001104029	4	Capscrew M5 x 30 Grade 12.9	
41	1001110873	1	Cover	
42	1001130220	4	Nut, Tinnerman M6	
43	1001196382	1	Stud	
44	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
45A	4922641	1	Generator Switch Harness	
45B	1001152429	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
46	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
47	7274000040	1	Clamp	
48	5251012	1	Bolt M10 x 25	
50	1320061	1	Clamp	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical 12/3	
103	1671092	1	Cover	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	2	Stand-Off	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-84. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

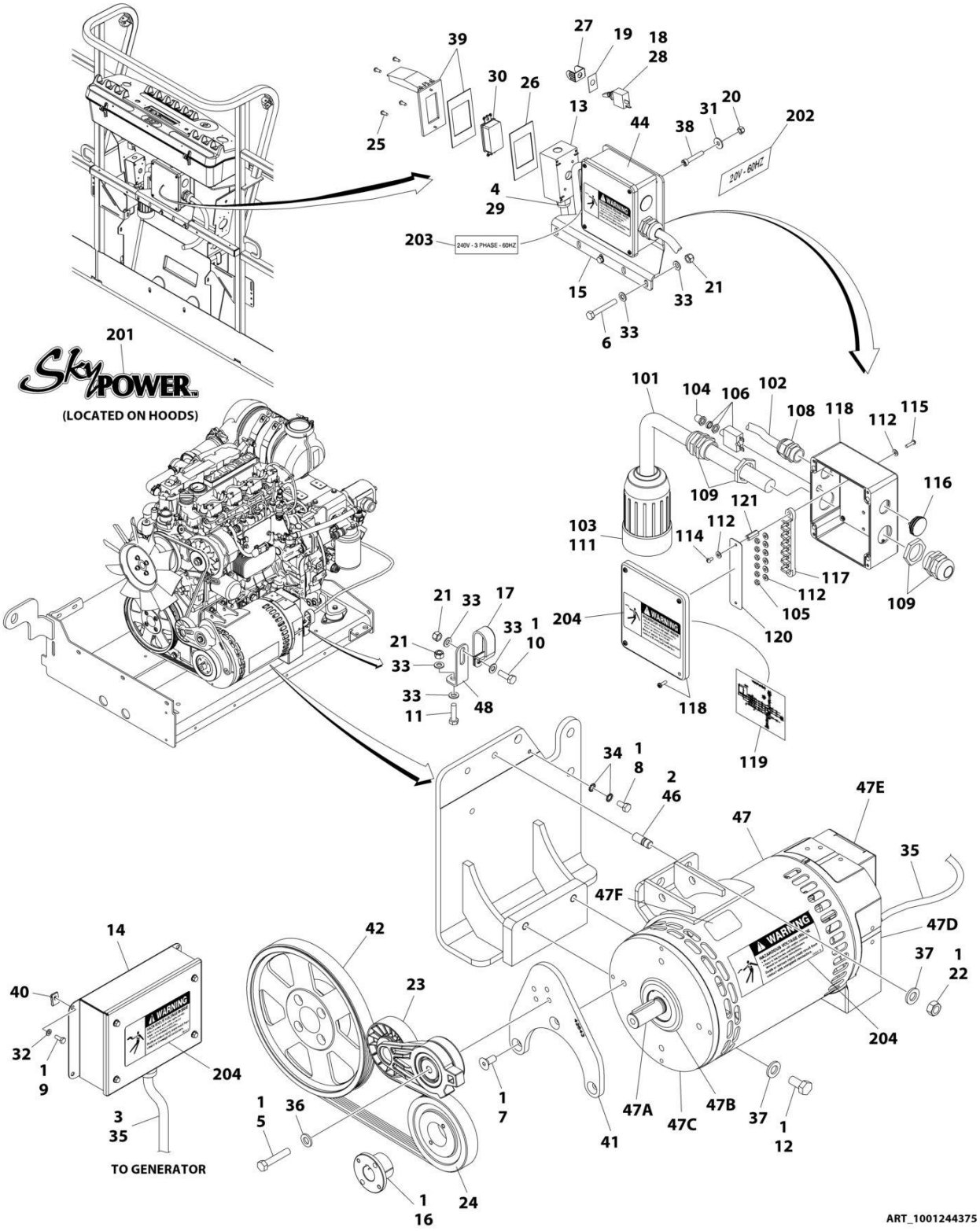


FIGURE 3-84. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ D2.9L4 - 49HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244375	Ref	7500W SKYPOWER GENERATOR INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound Terminal	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0760812	1	Bolt M8 x 25	
11	0760814	1	Bolt M8 x 30	
12	0761212	2	Bolt M12 x 25	
13	0860038	1	Box, Receptacle	
14	0861538	1	Control Box Assembly	
14	7024488	1	Card, Circuit - Generator Power	
14	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
14	7024489	1	Card, Circuit - Control	
14	70000619	1	Harness, Control Box (Internal)	
		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application.	
15	0902888	1	Bracket	
16	0962520	1	Bushing, Split	
17	1321716	1	Clamp	
18	2820031	AR	Heat Shrink	
19	3252764	1	Nameplate - AC & Weld	
20	3290505	4	Nut M5	
21	3290805	4	Nut M8	
22	3291201	2	Nut M12	
23	3580317	1	Tensioner, Belt	
24	3580318	1	Pulley	
25	3910606	4	Screw #6 x 3/8	
26	3960422	1	Gasket	
27	4060802	1	Guard, Switch	
28	4360336	1	Switch, Toggle	
29	4460071	1	Connector, Strain Relief	
30	4460346	1	Receptacle	
31	4811602	4	Washer M5	
32	4811700	4	Washer M6	
33	4811900	8	Washer M8	
34	4871700	2	Washer M6	
35	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
36	5241000	1	Washer M10	
37	5241200	4	Washer M12	
38	1001104029	4	Capscrew M5 x 30 Grade 12.9	
39	1001110873	1	Cover	
40	1001130220	4	Nut, Tinnerman M6	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	1001142643	1	Support	
42	1001142646	1	Belt	
44	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
46	1001196382	2	Stud	
47	1001212223	1	Generator Assembly	
47	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
47	70001384	1	Bearing, Ball Radial (Not Shown)	
47	70000863	1	Fan (Not Shown)	
47	70006093	1	Stator (Not Shown)	
47	70002297	1	Stud	
47	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
47A	70004099	1	Key	
47B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
47B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
47B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
47C	70004092	1	Endbell, Belt Tensioner	
47D	70004094	1	Endbell, Brush Block	
47E	70006094	1	Shroud	
47E	70002291	1	Insulator, Endbell	
47E	7027799	1	Block, Connector - 6 Position (Not Shown)	
47E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
47E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
47E	70006096	1	Boot, Breaker (Not Shown)	
47E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
47E	7026597	1	Connector with Leads (Not Shown)	
47E	70004098	1	Clamp, Cable (Not Shown)	
47E	70006097	1	Plate, End Panel	
47E	70001974	1	Decal - Terminal Connections	
47F	70001973	1	Decal - Warning Moving Parts	
48	1001223122	1	Support	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 76cm	Cable, Electrical 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	4	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	
121	1001158008	1	Stand-Off	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-85. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

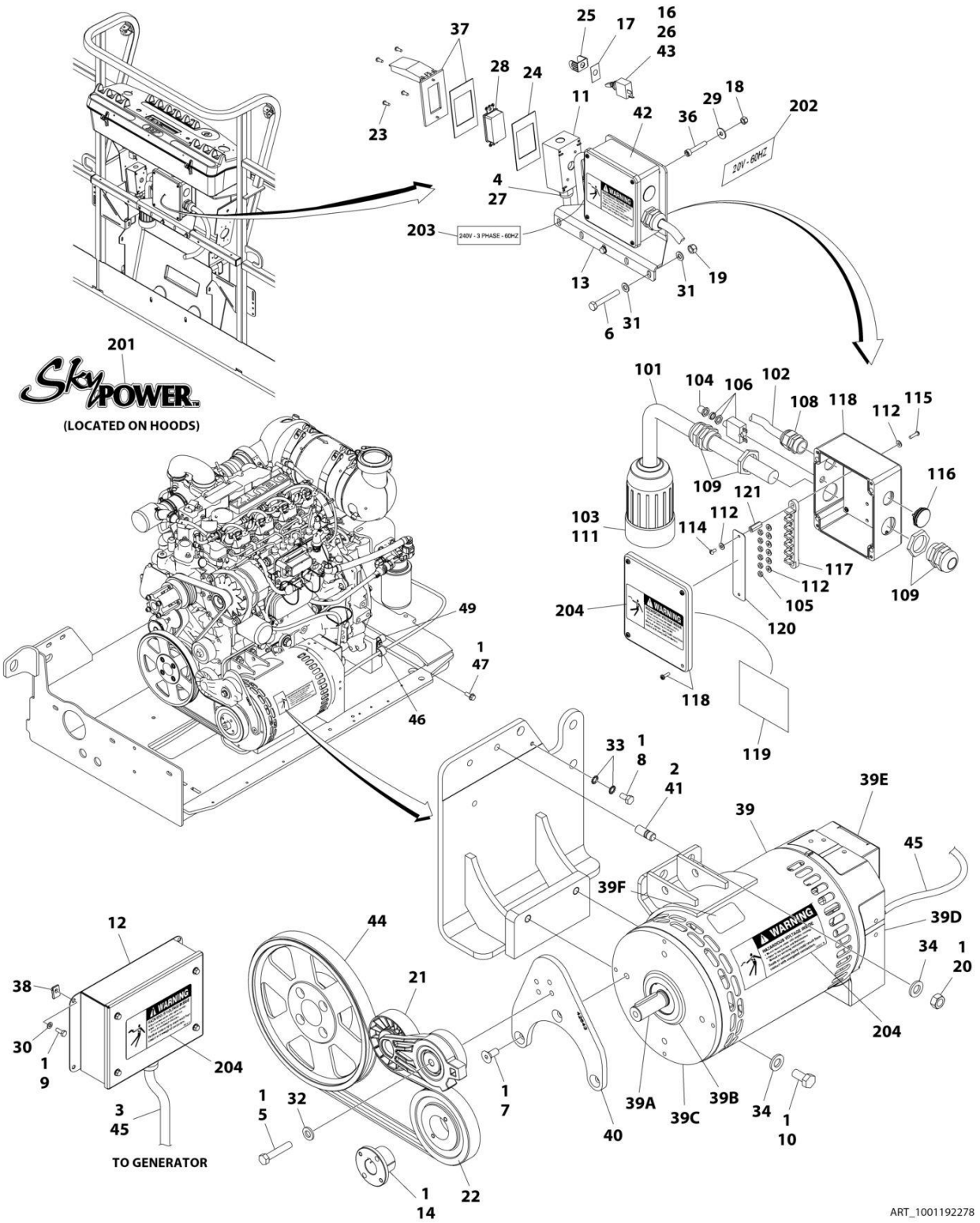


FIGURE 3-85. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192278	Ref	7500W SKYPOWER GENERATOR INSTALLATION	G
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Compound Terminal	
4	0100079	AR	Sealant	
5	0641616	1	Bolt 3/8 x 2	
6	0700819	2	Bolt M8 x 55	
7	0741607	3	Screw 3/8 x 7/8	
8	0760606	1	Bolt M6 x 12	
9	0760608	4	Bolt M6 x 16	
10	0761212	2	Bolt M12 x 25	
11	0860038	1	Box, Receptacle	
12	0861538	1	Control Box Assembly	
12	7024488	1	Card, Circuit - Generator Power	
12	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
12	7024489	1	Card, Circuit - Control	
12	70000619	1	Harness, Control Box (Internal)	
		Ref	Note: Same Circuit Card (P/N 7024489) is used for both 60Hz and 50Hz. When replacing card, rocker switch on card must be set for required application.	
13	0902888	1	Bracket	
14	0962520	1	Bushing, Split	
16	2820031	AR	Heat Shrink	
17	3252764	1	Nameplate - AC & Weld	
18	3290505	4	Nut M5	
19	3290805	2	Nut M8	
20	3291201	2	Nut M12	
21	3580317	1	Tensioner, Belt	
22	3580318	1	Pulley	
23	3910606	4	Screw #6 x 3/8	
24	3960422	1	Gasket	
25	4060802	1	Guard, Switch	
26	4360336	1	Switch, Toggle	
27	4460071	1	Connector, Strain Relief	
28	4460346	1	Receptacle	
29	4811602	4	Washer M5	
30	4811700	4	Washer M6	
31	4811900	4	Washer M8	
32	5241000	1	Washer M10	
33	4871700	2	Washer M6	
34	5241200	4	Washer M12	
36	1001104029	1	Capscrew M5 x 30 Grade 12.9	
37	1001110873	1	Cover	
38	1001130220	4	Nut, Tinnerman M6	
39	1001212223	1	Generator Assembly	
39	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
39	70001384	1	Bearing, Ball Radial (Not Shown)	
39	70000863	1	Fan (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	70006093	1	Stator (Not Shown)	
39	70002297	1	Stud	
39	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
39A	70004099	1	Key	
39B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
39B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
39B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
39C	70004092	1	Endbell, Belt Tensioner	
39D	70004094	1	Endbell, Brush Block	
39E	70006094	1	Shroud	
39E	70002291	1	Insulator, Endbell	
39E	7027799	1	Block, Connector - 6 Position (Not Shown)	
39E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
39E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
39E	70006096	1	Boot, Breaker (Not Shown)	
39E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 45)	
39E	7026597	1	Connector with Leads (Not Shown)	
39E	70004098	1	Clamp, Cable (Not Shown)	
39E	70006097	1	Plate, End Panel	
39E	70001974	1	Decal - Terminal Connections	
39F	70001973	1	Decal - Warning Moving Parts	
40	1001142643	1	Support	
41	1001196382	2	Stud	
42	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
43	4922641	1	Generator Switch Harness	
44	1001142646	1	Belt	
45	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
46	7274000040	1	Clamp	
47	5251012	1	Bolt M10 x 25	
49	1320061	1	Clamp	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical 10/4	
102	1001179154	2.5 ft/ 76cm	Cable, Electrical 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Circuit Breaker - 15Amp	
108	4460425	1	Connector, Strain Relief	
109	4460426	2	Connector, Strain Relief	
111	4460963	1	Connector	
112	4711000	4	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug	
117	1001157520	1	Block, Terminal	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Wiring Schematic	
120	1001158007	1	Cover, PVC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
121	1001158008	1	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V-60Hz	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-86. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (FORD ENGINES) (OPTIONAL)

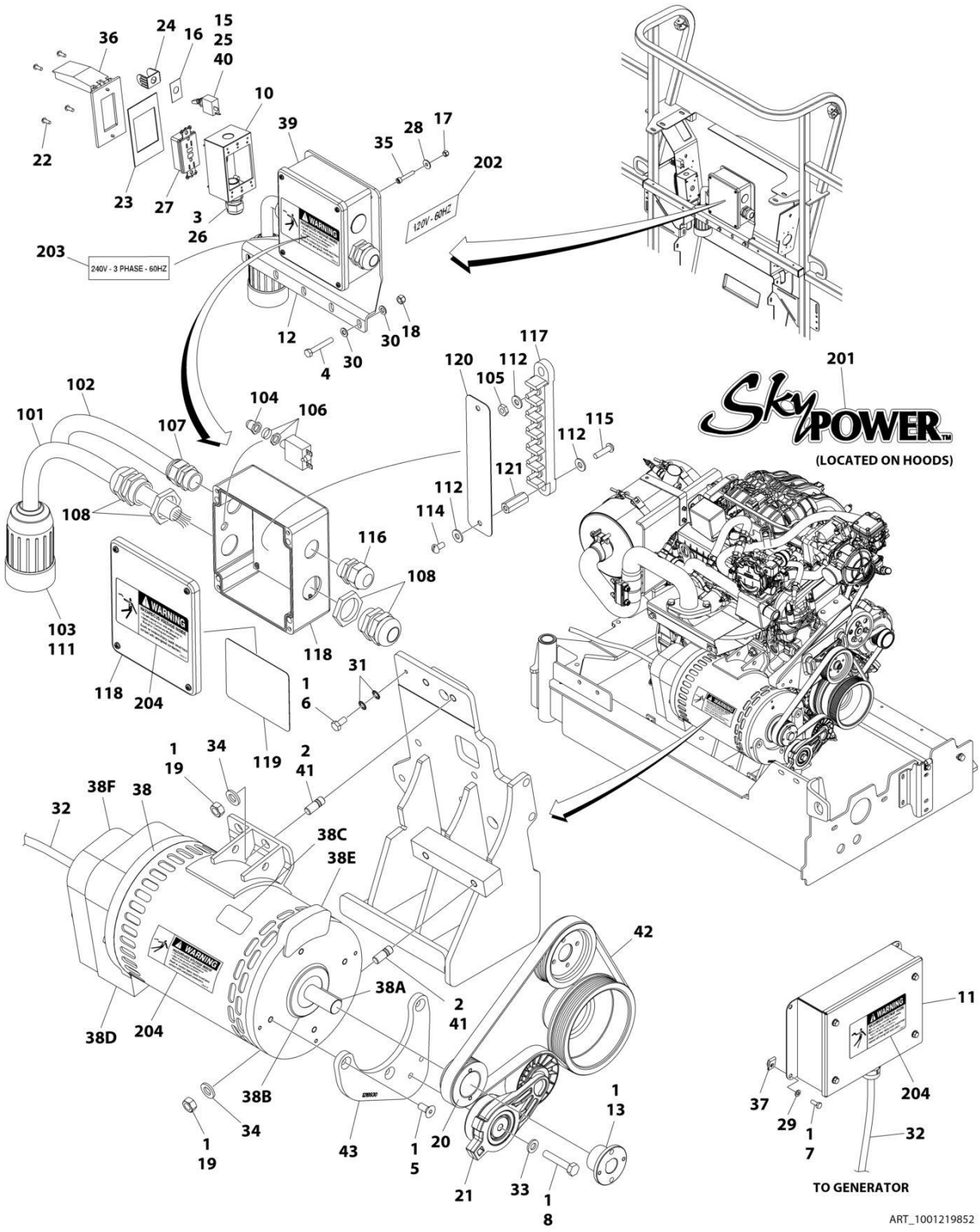


FIGURE 3-86. 7500W SKYPOWER GENERATOR INSTALLATION - 110V/60HZ (FORD ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219852	Ref	7500W SKYPOWER GENERATOR INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100079	AR	Sealant	
4	0700819	2	Bolt M8 x 55	
5	0741607	3	Screw 3/8 x 7/8	
6	0760606	1	Bolt M6 x 12	
7	0760608	4	Bolt M6 x 16	
8	0761019	1	Bolt M10 x 55	
10	0860038	1	Box, Receptacle	
11	0861538	1	Control Box Assembly	
11	7024488	1	Card, Circuit - Generator Power	
11	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
11	7024489	1	Card, Circuit - Control	
11	70000619	1	Harness, Control Box (Internal)	
12	0902888	1	Bracket	
13	0962520	1	Bushing, Split	
15	2820031	AR	Heat Shrink	
16	3252764	1	Nameplate - AC & Weld	
17	3290505	4	Nut M5	
18	3290805	2	Nut M8	
19	3291201	4	Nut M12	
20	3580314	1	Pulley	
21	3580317	1	Tensioner, Belt	
22	3910606	4	Screw #6 x 3/8	
23	3960422	1	Gasket	
24	4060802	1	Guard, Switch	
25	4360336	1	Switch, Toggle	
26	4460071	1	Connector, Strain Relief	
27	4460346	1	Receptacle	
28	4811602	4	Washer M5	
29	4811700	4	Washer M6	
30	4811900	4	Washer M8	
31	4871700	2	Washer M6	
32	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
33	5241000	1	Washer M10	
34	5241200	4	Washer M12	
35	1001104029	4	Capscrew M5 x 30 Grade 12.9	
36	1001110873	1	Cover	
37	1001130220	4	Nut, Tinnerman M6	
38	1001136104	1	Generator Assembly	
38	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
38	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
38	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
38	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell - Not Shown)	
38	7027799	1	Block, Connector - 6 Position (Not Shown)	
38	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	7026188	1	Clamp, Cable (Not Shown)	
38	7026597	1	Connector, with Leads (Not Shown)	
38	7026626	1	Connector - 6 Position with Seal (Not Shown)	
38	70002088	1	Stator (Not Shown)	
38	70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
38	70001974	1	Decal - Terminal Connections (Not Shown)	
38	70000863	1	Fan (Not Shown)	
38	70002297	4	Stud (Not Shown)	
38A	70004171	1	Key (was p/n 7024561)	
38A	70001100	1	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	
38A	70001384	1	Bearing, Ball Radial	
38B	70001966	1	Bearing, Radial Ball	
38B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
38B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
38C	70001973	1	Decal - Warning Moving Parts	
38D	70004169	1	Endbell, Brush Block (was p/n 70001385)	
38E	70001953	1	Endbell, Belt Tensioner	
38F	70004169	1	Endbell, Shroud Assembly (was p/n 70002290)	
39	1001157592	1	Junction Box Assembly (See Items 101-121 for Breakdown)	
40	4922641	1	Generator Switch Harness	
41	1001196382	4	Stud	
42	1001216390	1	Belt	
43	1001218930	1	Mount	
	1001157592	Ref	JUNCTION BOX ASSEMBLY	C
101	1060343	1.5 ft/ 0.5m	Cable, Electrical - 10/4	
102	1001179154	2.5 ft/ 0.8m	Cable, Electrical - 12/3	
103	1671092	1	Cover, Connector	
104	3300396	1	Cover, Fuse	
105	3311001	6	Nut #10	
106	4360070	1	Breaker, Circuit 15Amp	
107	4460425	1	Connector, Strain Relief	
108	4460426	2	Connector, Strain Relief	
111	4460963	1	Receptacle	
112	4711000	10	Washer #10	
114	10702077	2	Screw #10 x 3/8	
115	10702082	2	Screw #10 x 3/4	
116	1001152525	1	Plug, Hole	
117	1001157520	1	Block, Terminal Pole	
118	1001157521	1	Box, Junction	
119	1001157528	1	Decal - Box Junction	
120	1001158007	1	Cover	
121	1001158008	2	Stand-Off	
	0272435	Ref	DECAL INSTALLATION	D
201	1705460	2	Decal - SkyPower	
202	3251243	1	Decal - 120V/60Hz (Located on Opposite Side)	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal - Hazardous Voltage	

FIGURE 3-87. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

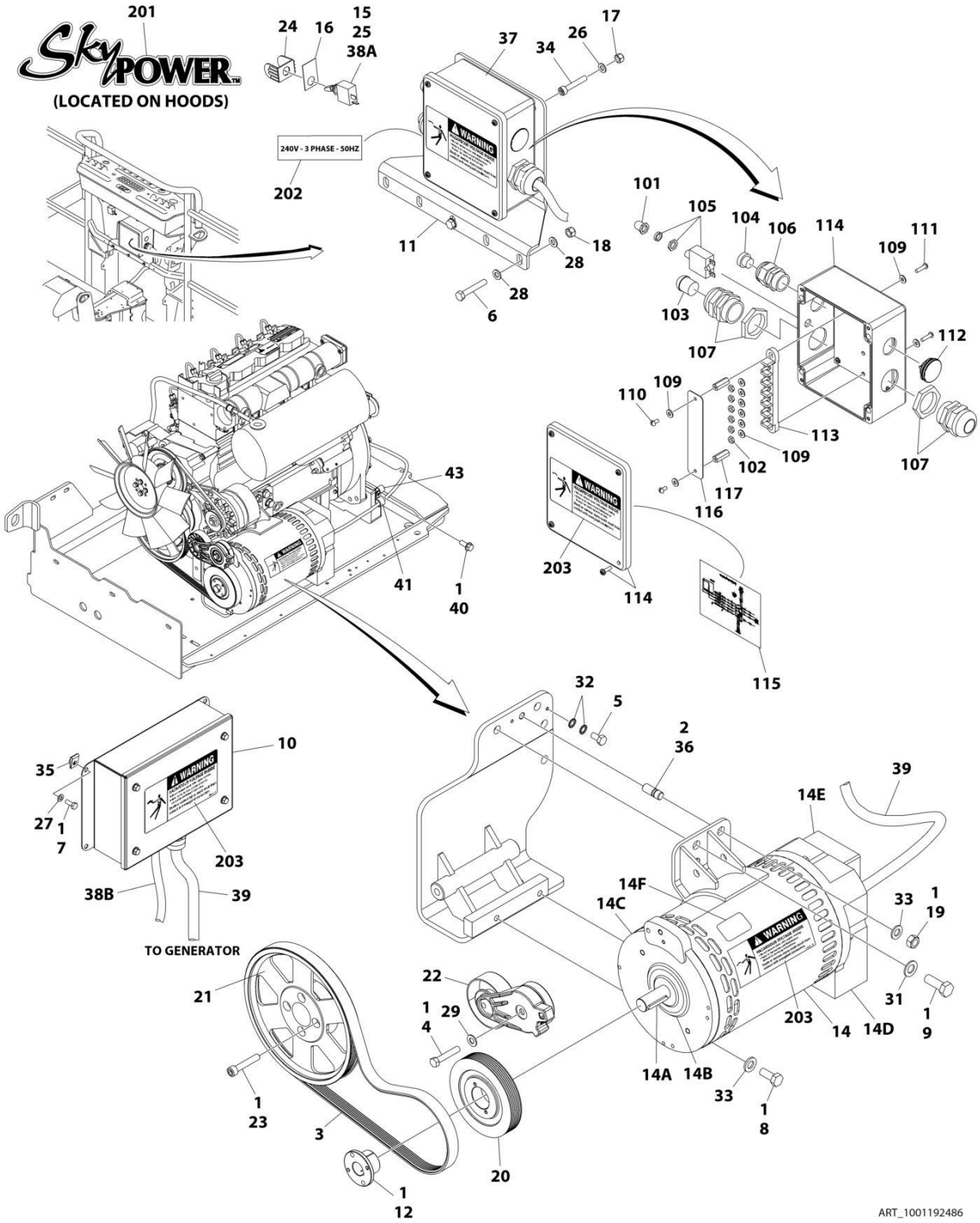


FIGURE 3-87. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ D2011 ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192486	Ref	7500W SKYPOWER GENERATOR INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	1001141814	1	Belt	
4	0641618	1	Bolt 3/8 x 2-1/4	
5	0760606	1	Bolt M6 x 12	
6	0700819	2	Bolt M8 x 55	
7	0760608	4	Bolt M6 x 16	
8	0761212	2	Bolt M12 x 25	
9	0771415	1	Bolt M14 x 35	
10	0861572	1	Control Box Assembly	
10	7024488	1	Card, Circuit - Generator Power	
10	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control	
10	70000619	1	Harness, Control Box (Internal)	
11	0902888	1	Bracket	
12	0962520	1	Bushing, Split	
14	2460048	1	Generator Assembly	
14	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
14	70001384	1	Bearing, Ball Radial (Not Shown)	
14	70000863	1	Fan (Not Shown)	
14	70002088	1	Stator (Not Shown)	
14	70002297	1	Stud	
14	70003631	1	Brushholder Assembly (Not Shown)	
14A	70004171	1	Key	
14B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
14B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
14B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
14C	70001953	1	Endbell, Belt Tensioner	
14D	70004169	1	Endbell, Brush Block	
14E	70004169	1	Shroud	
14E	See Note	NSS	Insulator, Endbell (Note: Not Available for Purchase)	
14E	7027799	1	Block, Connector 6 Position (Not Shown)	
14E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
14E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
14E	70001696	1	Boot, Breaker (Not Shown)	
14E	7026626	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 39)	
14E	7026597	1	Connector, with Leads (Not Shown)	
14E	7026188	1	Clamp, Cable Options (Not Shown)	
14E	70004169	1	Plate, End Panel	
14E	70001974	1	Decal - Terminal Connections	
14F	70001973	1	Decal - Warning Moving Parts	
15	2820031	AR	Heat Shrink	
16	3252764	1	Nameplate - AC & Weld	
17	3290505	4	Nut M5	
18	3290805	2	Nut M8	
19	3291201	1	Nut M12	
20	3580319	1	Pulley	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	3580320	1	Pulley	
22	3580317	1	Tensioner, Belt	
23	4032015	4	Capscrew M10 x 55	
24	4060802	1	Guard, Switch	
25	4360336	1	Switch, Toggle	
26	4811602	4	Washer M5	
27	4811700	4	Washer M6	
28	4811900	4	Washer M8	
29	5241000	1	Washer M10	
31	5241400	1	Washer M14	
32	4871700	2	Washer M6	
33	5241200	3	Washer M12	
34	1001104029	4	Capscrew M5 x 30 Grade 12.9	
35	1001130220	4	Nut, Tinnerman M6	
36	1001196382	1	Stud	
37	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
38A	4922641	1	Generator Switch Harness	
38B	1001152429	1	Generator to Engine Harness (See Separate Breakdown in ELECTRICAL SECTION)	
39	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
40	5251012	1	Bolt M10 x 25	
41	7274000040	1	Clamp	
43	1320061	1	Clamp	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001152520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-88. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

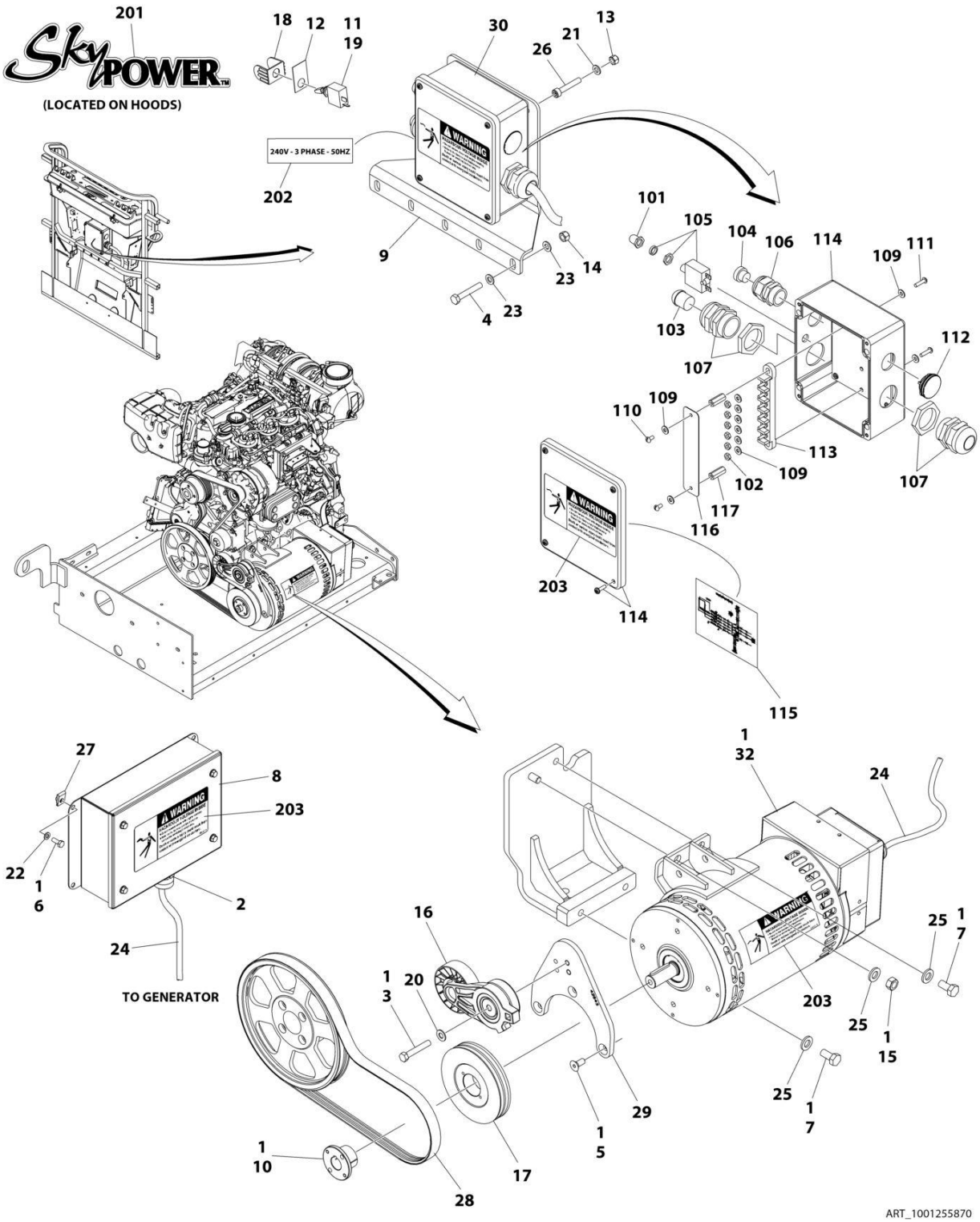


FIGURE 3-88. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.2L3 (STAGE V) ENGINE) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001255870	Ref	7500W GENERATOR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Terminal	
3	0641618	1	Bolt 3/8 x 1/4	
4	0700819	3	Bolt M8 x 55	
5	0741607	3	Screw 3/8 x 7/8	
6	0760608	4	Bolt M6 x 16	
7	0761212	3	Bolt M12 x 25	
8	0861572	1	Control Box Assembly	
8	7024488	1	Card, Circuit - Generator Power	
8	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
8	7024489	1	Card, Circuit - Control	
8	70000619	1	Harness, Control Box (Internal)	
9	0902888	1	Bracket	
10	0962520	1	Bushing, Split	
11	2820031	AR	Heatshrink	
12	3252764	1	Nameplate - AC & Weld	
13	3290505	4	Nut M5	
14	3290805	3	Nut M8	
15	3291201	1	Nut M12	
16	3580317	1	Tensioner, Belt	
17	3580319	1	Pulley	
18	4060802	1	Guard, Switch	
19	4360336	1	Switch, Toggle	
20	4711600	1	Washer 3/8	
21	4811602	4	Washer M5	
22	4811700	4	Washer M6	
23	4811900	6	Washer M8	
24	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
25	5241200	4	Washer M12	
26	1001104029	4	Capscrew M5 x 30, Grade 12.9	
27	1001130220	4	Nut, Tinnerman M6	
28	1001136356	1	Belt	
29	1001142643	1	Support	
30	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
32	1001248105	1	Generator Assembly - 50Hz (Note: No service parts available at time of printing)	
	1001157525	Ref	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	

SECTION 3 - ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

FIGURE 3-89. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

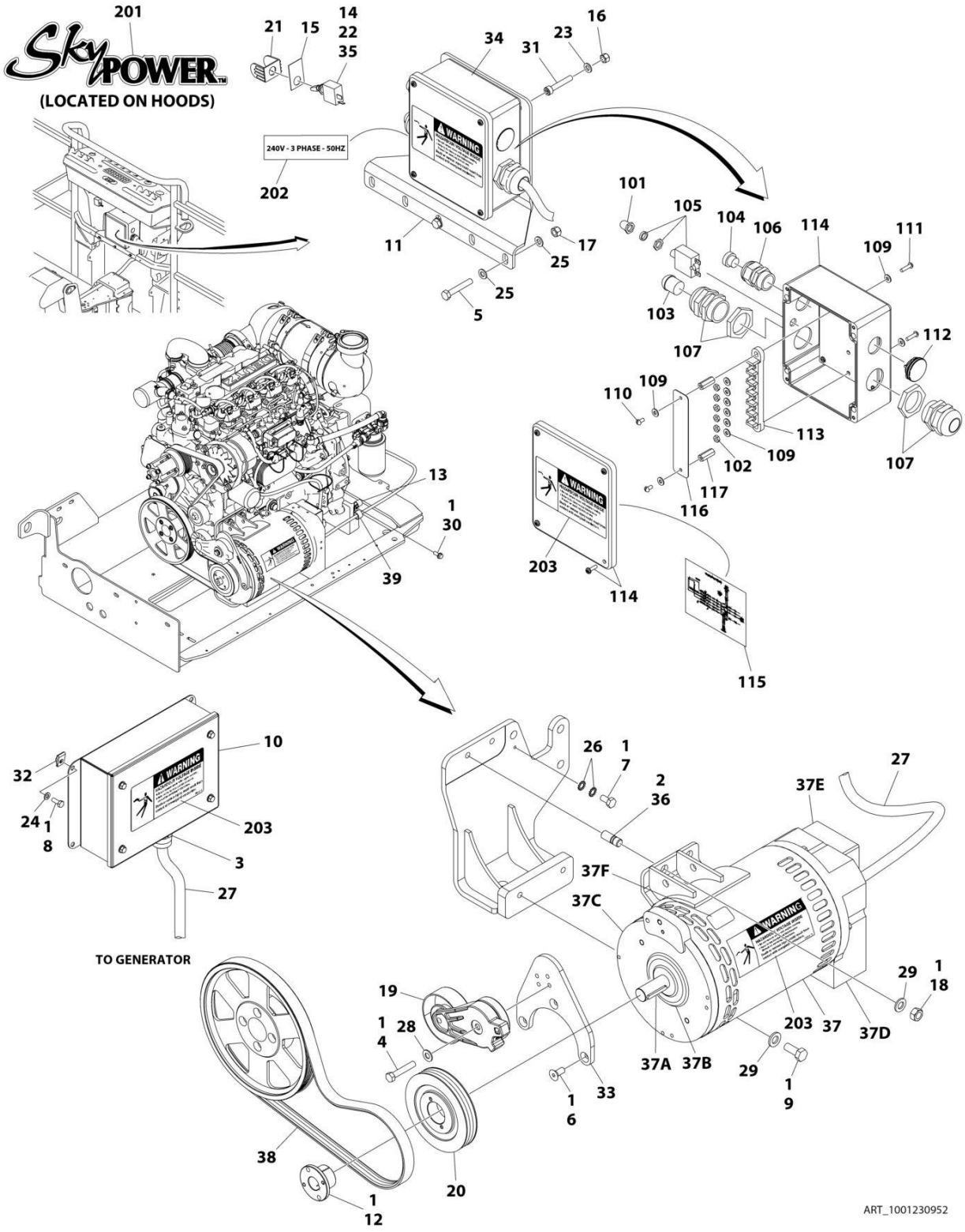


FIGURE 3-89. 7500W SKYPOWER GENERATOR INSTALLATION - 220V/50HZ (DEUTZ TD2.9L4 - 67HP ENGINES) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230952	Ref	7500W GENERATOR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0100048	AR	Grease, Terminal	
4	0641616	1	Bolt 3/8 x 2	
5	0700819	2	Bolt M8 x 55	
6	0741607	3	Screw 3/8 x 7/8	
7	0760606	1	Bolt M6 x 12	
8	0760608	4	Bolt M6 x 16	
9	0761212	2	Bolt M12 x 25	
10	0861572	1	Control Box Assembly	
10	7024488	1	Card, Circuit - Generator Power	
10	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
10	7024489	1	Card, Circuit - Control	
10	70000619	1	Harness, Control Box (Internal)	
11	0902888	1	Bracket	
12	0962520	1	Bushing, Split	
13	1320061	1	Clamp	
14	2820031	AR	Heatshrink	
15	3252764	1	Nameplate - AC & Weld	
16	3290505	4	Nut M5	
17	3290805	2	Nut M8	
18	3291201	2	Nut M12	
19	3580317	1	Tensioner, Belt	
20	3580319	1	Pulley	
21	4060802	1	Guard, Switch	
22	4360336	1	Switch, Toggle	
23	4811602	4	Washer M5	
24	4811700	4	Washer M6	
25	4811900	4	Washer M8	
26	4871700	2	Washer M6	
27	4922925	1	Generator Harness (See Separate Breakdown in ELECTRICAL SECTION)	
28	5241000	1	Washer M10	
29	5241200	4	Washer M12	
30	5251012	1	Bolt M10 x 25	
31	1001104029	4	Capscrew M5 x 30, Grade 12.9	
32	1001130220	4	Nut, Tinnerman M6	
33	1001142643	1	Support	
34	1001157525	1	Junction Box Assembly (See Items 101-117 for Breakdown)	
35	4922641	1	Switch Harness	
36	1001196382	2	Stud	
37	1001212223	1	Generator Assembly - 50Hz	
37	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
37	70001384	1	Bearing, Ball Radial (Not Shown)	
37	70000863	1	Fan (Not Shown)	
37	70006093	1	Stator (Not Shown)	
37	70002297	1	Stud	
37	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	

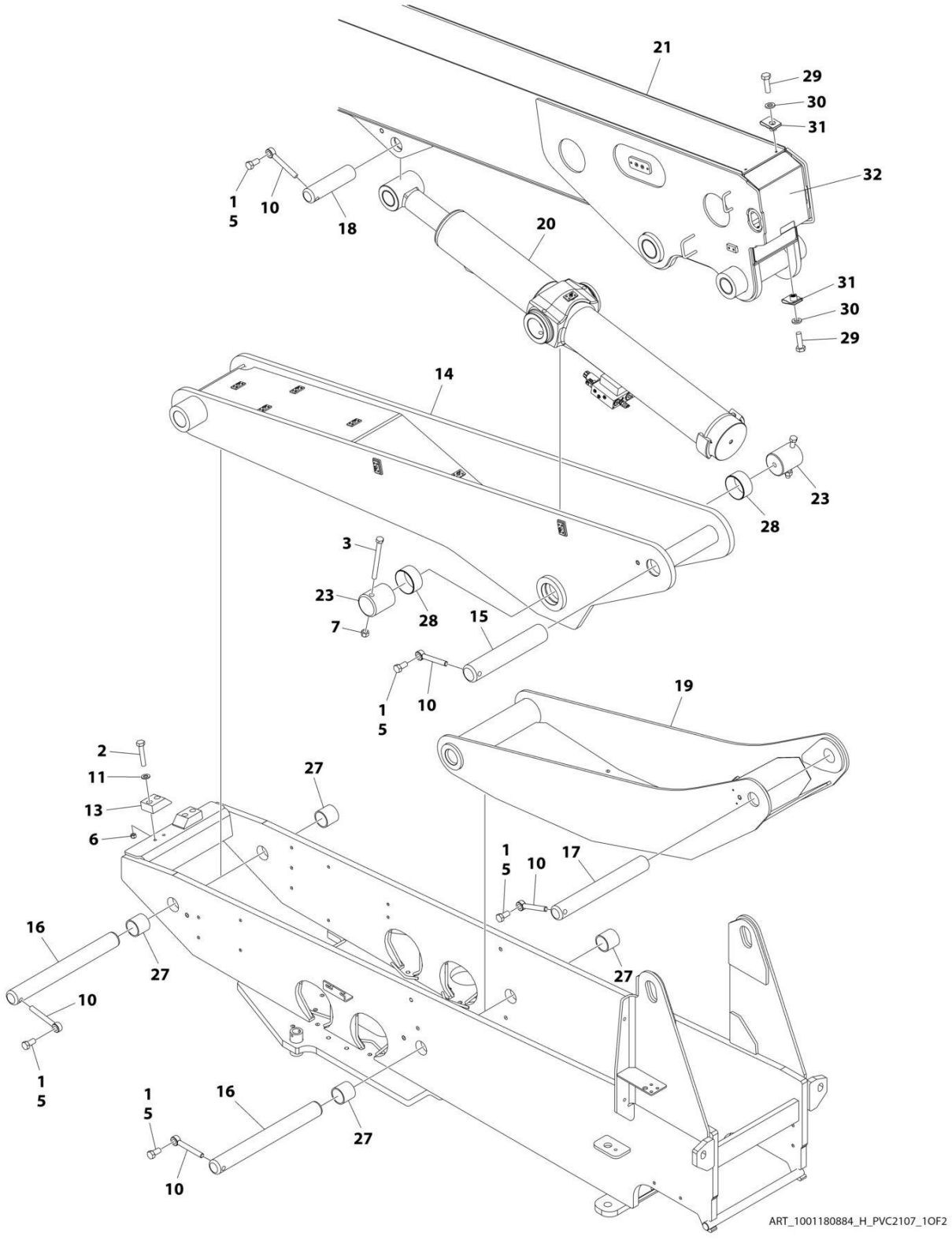
SECTION 3 - ENGINE

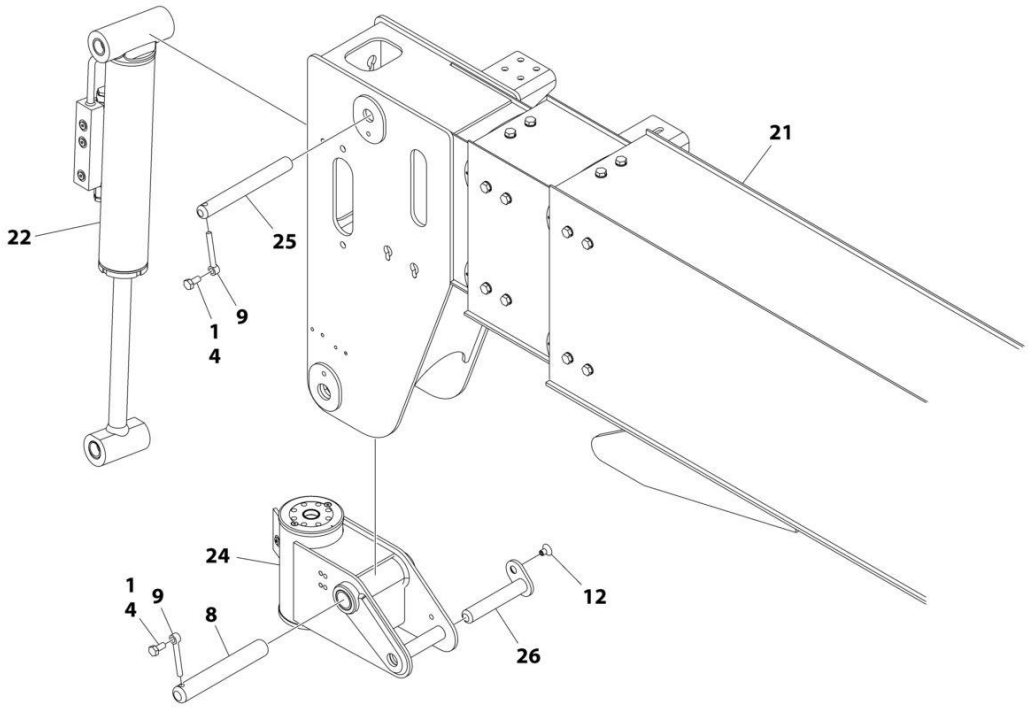
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
37A	70004099	1	Key	
37B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
37B	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
37B	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
37C	70004092	1	Endbell, Belt Tensioner	
37D	70004094	1	Endbell, Brush Block	
37E	70006094	1	Shroud	
37E	70002291	1	Insulator, Endbell	
37E	7027799	1	Block, Connector - 6 Position (Not Shown)	
37E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
37E	70006095	1	Breaker, Circuit 30Amp (Not Shown)	
37E	70006096	1	Boot, Breaker (Not Shown)	
37E	7026626	1	Connector - 6 Position (Includes Seal) (Not Shown - Plugs into Item 36)	
37E	7026597	1	Connector with Leads (Not Shown)	
37E	70004098	1	Clamp, Cable (Not Shown)	
37E	70006097	1	Plate, End Panel	
37E	70001974	1	Decal - Terminal Connections	
37F	70001973	1	Decal - Warning Moving Parts	
38	1001214683	1	Belt	
39	7274000040	1	Clamp	
	1001157525	1	JUNCTION BOX ASSEMBLY	B
101	3300396	1	Cover, Fuse	
102	3311001	6	Nut #10	
103	3520189	1	Plug	
104	3520192	1	Plug	
105	4360070	1	Circuit Breaker - 15Amp	
106	4460425	1	Connector, Strain Relief	
107	4460426	2	Connector, Strain Relief	
109	4711000	10	Washer #10	
110	10702077	2	Screw #10 x 3/8	
111	10702082	2	Screw #10 x 3/4	
112	1001152525	1	Plug	
113	1001157520	1	Block, Terminal	
114	1001157521	1	Box, Junction	
115	1001157528	1	Decal - Wiring Schematic	
116	1001158007	1	Cover, PVC	
117	1001158008	2	Stand-Off	
	0272589	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower	
202	1705461	1	Decal - 240V - 3 Phase - 50Hz	
203	1705489	3	Decal - Hazardous Voltage	

SECTION 4 - BOOM

SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION (600S)





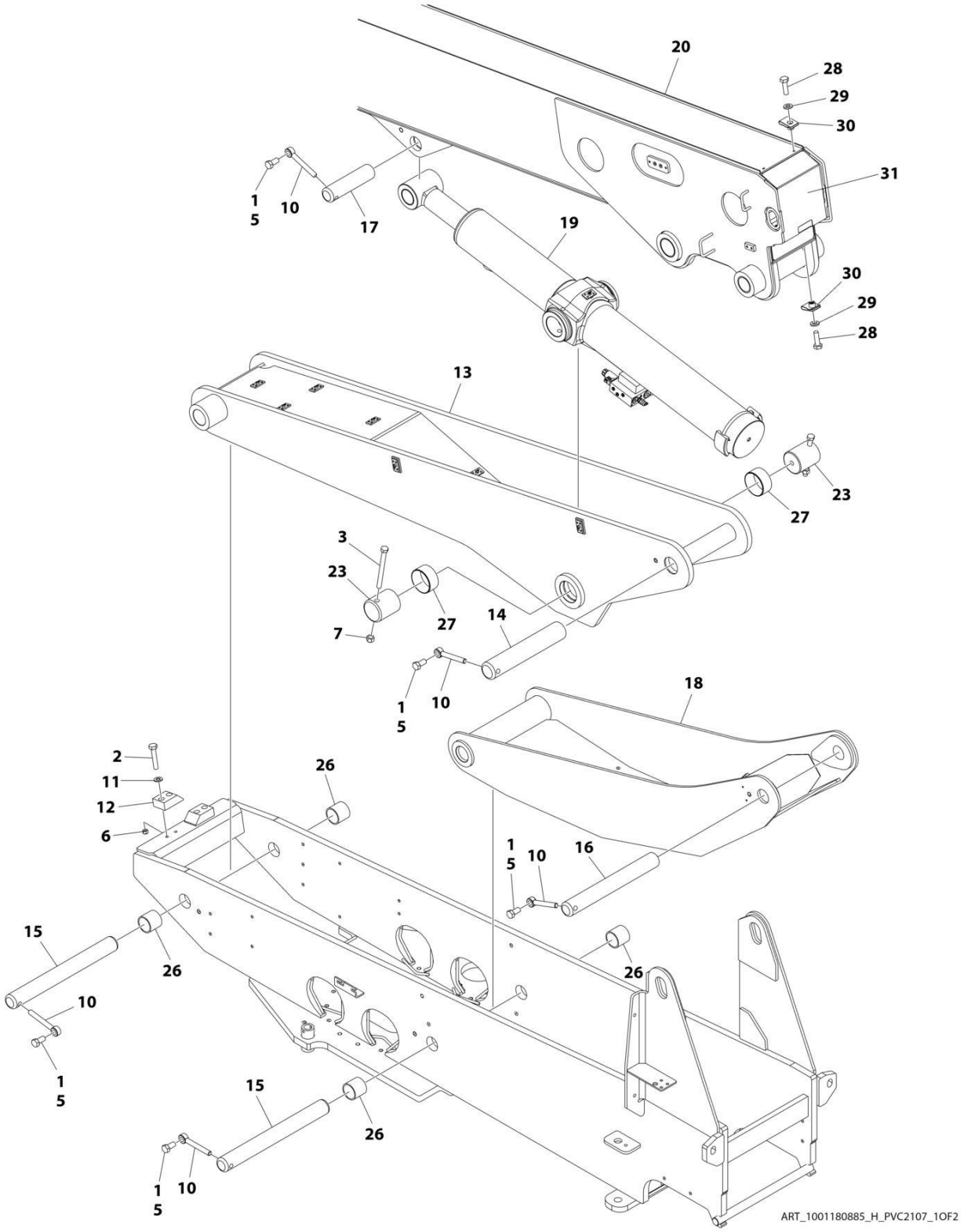
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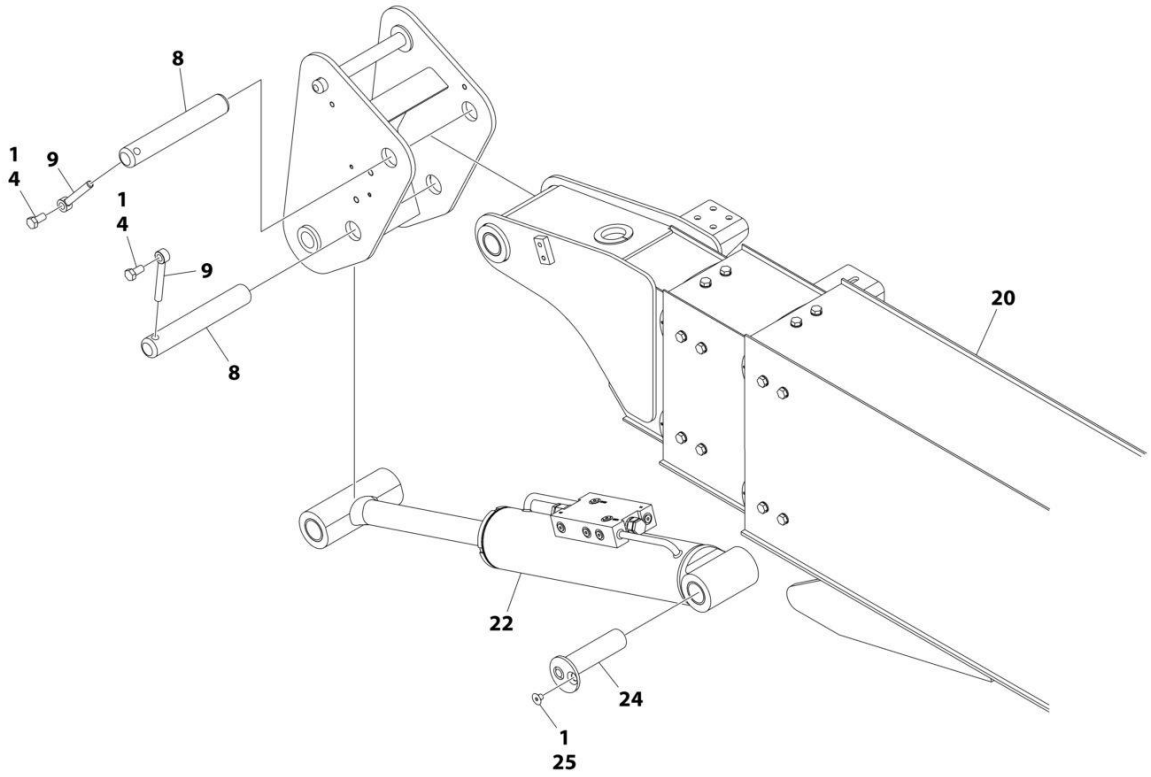
SECTION 4 - BOOM

FIGURE 4-1. BOOM INSTALLATION (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180884	Ref	BOOM INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0701019	4	Bolt M10 x 55	
3	0711635	2	Bolt M16 x 180	
4	0761011	2	Bolt M10 x 22	
5	0762016	5	Bolt M20 x 40	
6	3291005	4	Nut M10	
7	3291605	2	Nut M16	
8	3422582	1	Pin	
9	3841143	2	Keeper, Pin	
10	3841287	5	Keeper, Pin	
11	4812000	4	Washer M10	
12	1001137032	1	Screw M10 x 16	
13	1001138459	2	Pad	
14	1001174231	1	Link	
15	1001174250	1	Pin	
16	1001174252	2	Pin	
17	1001174253	1	Pin	
18	1001174254	1	Pin	
19	1001174256	1	Link	
20	1001272076	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section)	
21	1001180883	1	Boom Assembly (See Separate Breakdown in CYLINDER Section)	
22	1001184954	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
23	1001183926	2	Pin	
24	1001187348	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
25	1001192910	1	Pin	
26	1001192991	1	Pin	
27	0962423	4	Bearing	
28	1001174251	2	Bearing	
29	0760610	4	Bolt M6 x 20	
30	4811700	4	Washer M6	
31	1001130220	4	Nut, Tinnerman M6	
32	1001228177	1	Cover	

FIGURE 4-2. BOOM INSTALLATION (660SJ)



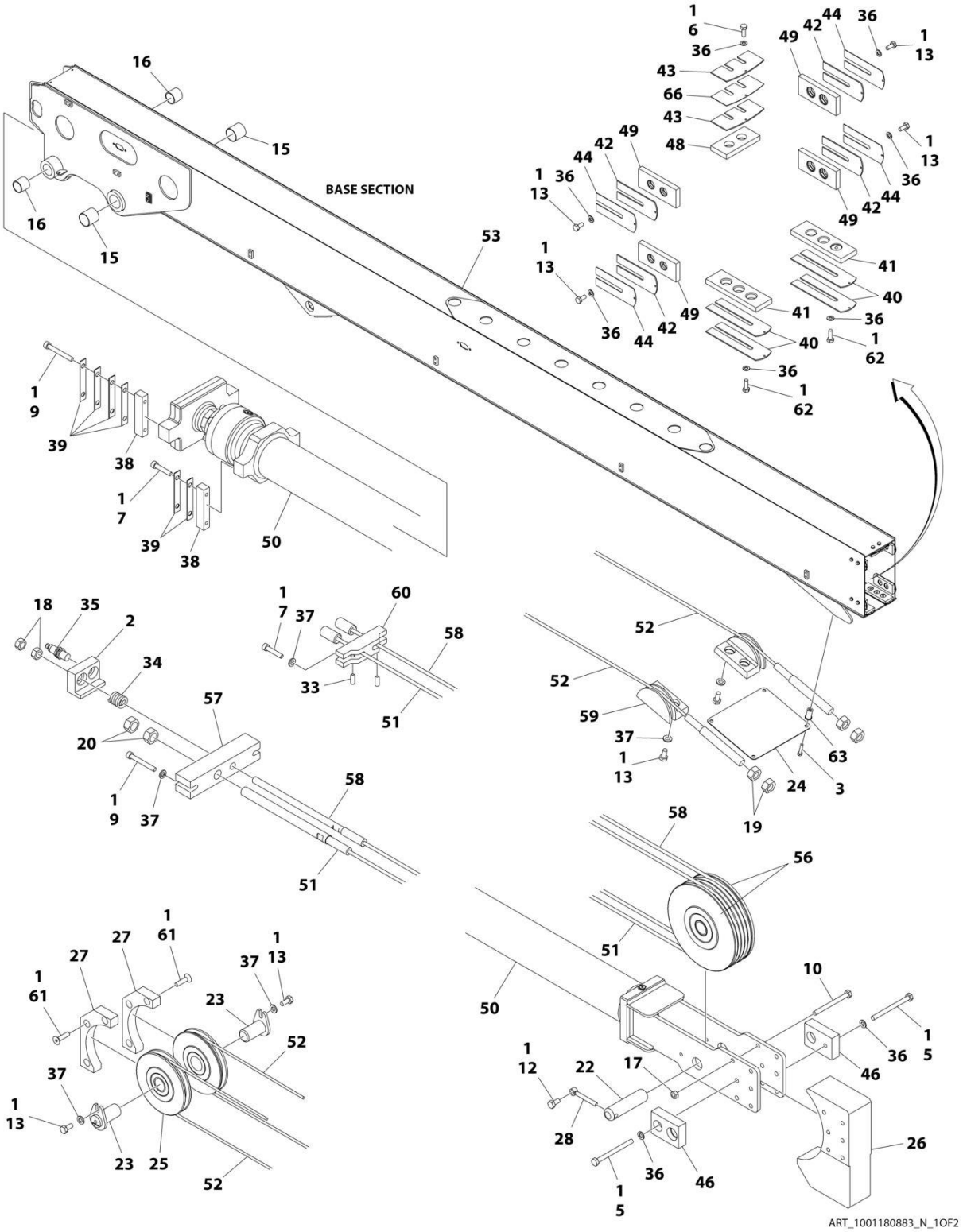


ART_1001180885_H_PVC2107_2OF2

FIGURE 4-2. BOOM INSTALLATION (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180885	Ref	BOOM INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0701019	4	Bolt M10 x 55	
3	0711635	2	Bolt M16 x 180	
4	0761212	2	Bolt M12 x 25	
5	0762016	5	Bolt M20 x 40	
6	3291005	4	Nut M10	
7	3291605	2	Nut M16	
8	3422793	2	Pin	
9	3841203	2	Keeper, Pin	
10	3841287	5	Keeper, Pin	
11	4812000	4	Washer M10	
12	1001138459	2	Pad	
13	1001174231	1	Link	
14	1001174250	1	Pin	
15	1001174252	2	Pin	
16	1001174253	1	Pin	
17	1001174254	1	Pin	
18	1001174256	1	Link	
19	1001272076	1	Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section) (660SJ)	
20	1001176217	1	Boom Assembly (See Separate Breakdown in this Section)	
22	1001184957	1	Level Cylinder Assembly - Platform Slave (See Separate Breakdown in CYLINDER Section)	
23	1001183926	2	Pin	
24	1001192052	1	Pin	
25	1001192027	1	Screw M10 x 12	
26	0962423	4	Bearing	
27	1001174251	2	Bearing	
28	0760610	4	Bolt M6 x 20	
29	4811700	4	Washer M6	
30	1001130220	4	Nut - Tinnerman M6	
31	1001228177	1	Cover	

FIGURE 4-3. BOOM ASSEMBLY (600S)



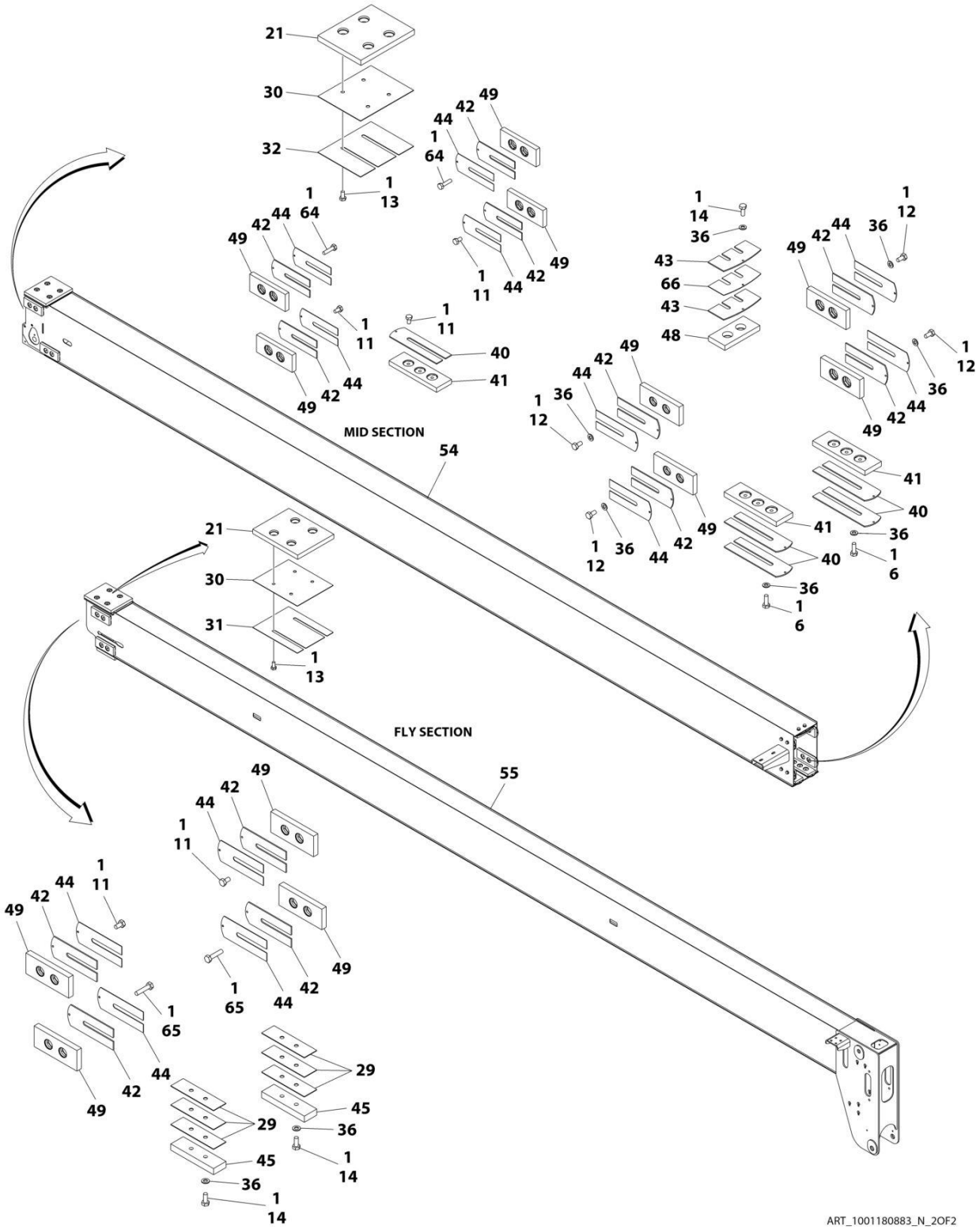
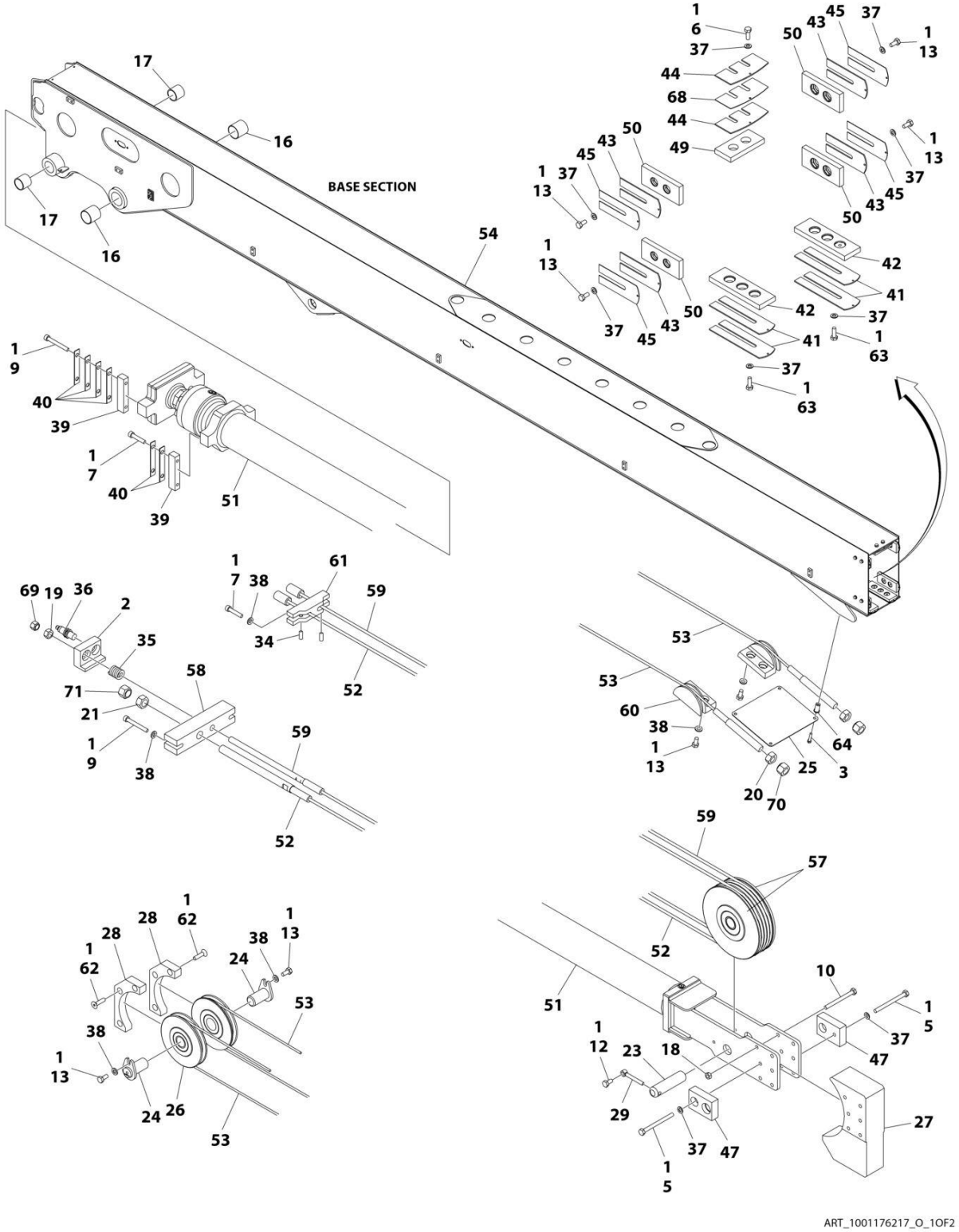

MID SECTION
FLY SECTION
ART_1001180883_N_2OF2

FIGURE 4-3. BOOM ASSEMBLY (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001180883	1	BOOM ASSEMBLY	N
1	0100011	AR	Compound, Locking	
2	0561508	1	Block	
3	0760614	4	Bolt M6 x 30	
5	0701029	2	Bolt M10 x 120	
6	0701013	8	Bolt M10 x 28	
7	4032014	6	Capscrew M10 x 50	
9	4032020	6	Capscrew M10 x 80	
10	0701028	4	Bolt M10 x 110	
11	0761009	10	Bolt M10 x 18	
12	0761010	9	Bolt M10 x 20	
13	0761011	22	Bolt M10 x 22	
14	0761012	6	Bolt M10 x 25	
15	0962033	2	Bushing	
16	0962423	2	Bearing	
17	3291001	4	Nut M10	
18	3291601	2	Nut M16	
19	3292001	4	Nut M20	
20	3292201	2	Nut M22	
21	1001191385	2	Pad, Wear	
22	3422417	1	Pin	
23	3422424	2	Pin	
24	3539622	1	Cover	
25	3580243	2	Sheave, Retract	
25	0961951	2	Bushing (1 Per Sheave)	
26	3580248	1	Guard, Sheave (Extend)	
27	3580249	1	Guard, Sheave (Retract)	
28	3841143	1	Keeper, Pin	
29	4070895	6	Shim 16Ga	
30	4070896	2	Shim .06	
31	4070939	1	Shim 16Ga	
32	4070940	1	Shim 16Ga	
33	4092009	2	Setscrew M10 x 25	
34	4160149	1	Spring	
35	1001214831	1	Switch, Proximity	
36	4812000	38	Washer M10	
37	5241000	10	Washer M10	
38	1001135488	4	Block	
39	1001136571	12	Shim 16Ga	
40	1001136575	9	Shim 11Ga	
41	1001136583	5	Pad, Wear	
42	4070898	16	Shim, Wear Pad	
43	1001138436	4	Shim 11Ga	
44	4070897	16	Shim, Wear Pad	
45	1001148650	2	Pad, Wear	
46	1001191384	2	Pad, Wear	
48	1001136587	2	Pad, Wear	
49	1001153398	16	Pad, Wear	
50	1001251079	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001175998	1	Rope, Wire (Extend)	
52	1001175999	2	Rope, Wire (Retract)	
53	1001176208	1	Base Boom	
54	1001176212	1	Mid, Boom	
55	1001265639	1	Fly, Boom	
56	1001184913	2	Sheave, Extend	
56	1001184918	2	Bushing (1 Per Sheave)	
56	1001184917	2	Sleeve, Bronze (1 Per Sheave)	
56	1001184915	2	Ring, Retaining (1 Per Sheave)	
57	1001186541	1	Block	
58	1001189859	1	Rope, Wire (Extend)	
59	1001191048	2	Sheave, Block	
60	1001191202	1	Block	
61	1001191205	6	Screw M10 x 40	
62	0761014	6	Bolt M10 x 30	
63	1001203719	4	Wellnut M6	
64	0761016	4	Bolt M10 x 40	
65	0761017	4	Bolt M10 x 45	
66	1001136590	2	Shim, Wear Pad	

FIGURE 4-4. BOOM ASSEMBLY (660SJ)



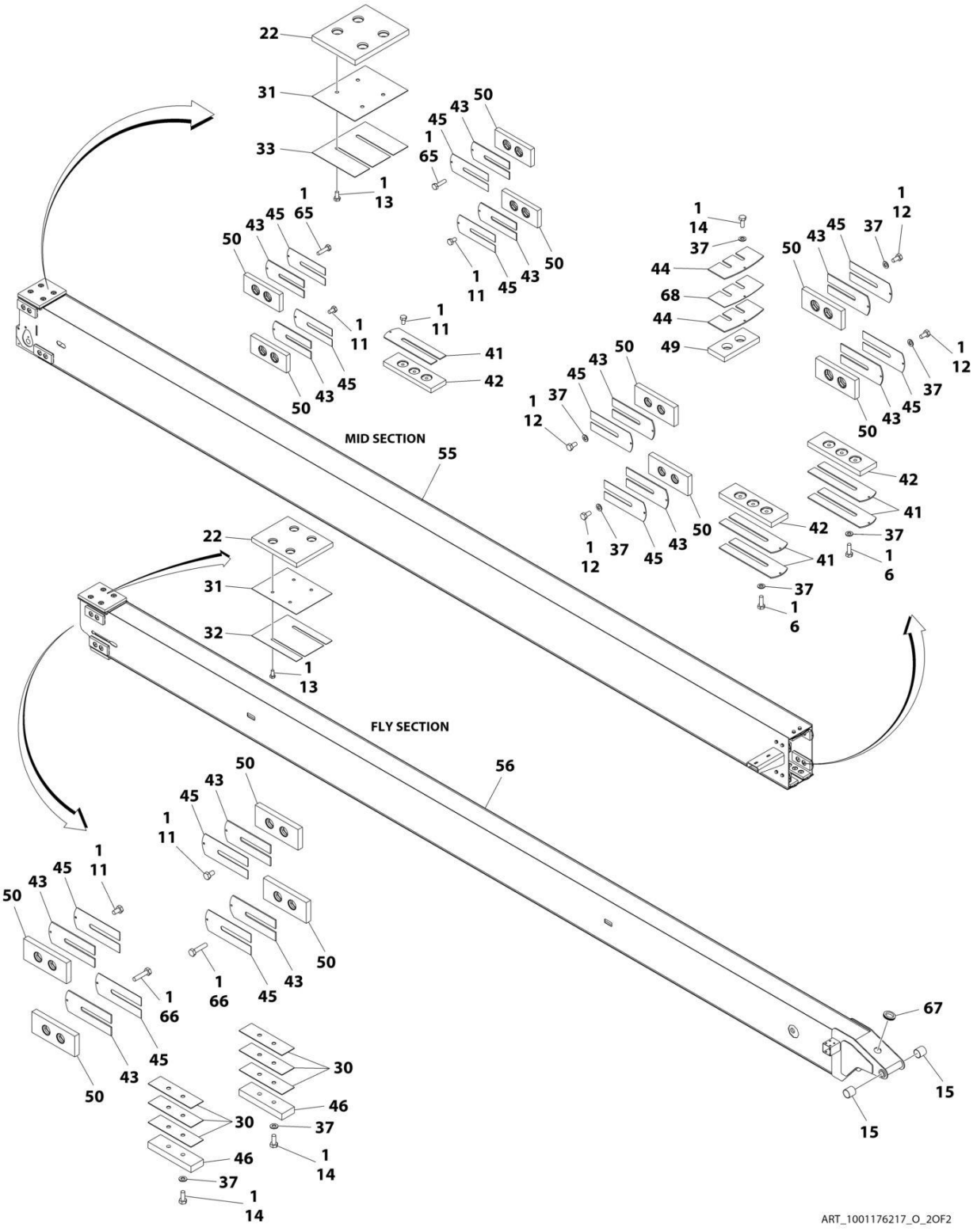

MID SECTION
FLY SECTION
ART_1001176217_O_2OF2

FIGURE 4-4. BOOM ASSEMBLY (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001176217	Ref	BOOM ASSEMBLY	O
1	0100011	AR	Compound, Locking	
2	0561508	1	Block	
3	0760614	4	Bolt M6 x 30	
5	0701029	2	Bolt M10 x 120	
6	0701013	8	Bolt M10 x 28	
7	4032014	6	Capscrew M10 x 50	
9	4032020	6	Capscrew M10 x 80	
10	0701028	4	Bolt M10 x 110	
11	0761009	10	Bolt M10 x 18	
12	0761010	9	Bolt M10 x 20	
13	0761011	22	Bolt M10 x 22	
14	0761012	6	Bolt M10 x 25	
15	0961948	2	Bearing	
16	0962033	2	Bushing	
17	0962423	2	Bearing	
18	3291001	4	Nut M10	
19	3291601	1	Nut M16	
20	3292001	2	Nut M20	
21	3292201	1	Nut M22	
22	1001191385	2	Pad, Wear	
23	3422417	1	Pin	
24	3422424	2	Pin	
25	3539622	1	Cover	
26	3580243	2	Sheave, Retract	
26	0961951	2	Bushing (1 Per Sheave)	
27	3580248	1	Guard, Sheave (Extend)	
28	3580249	2	Guard, Sheave (Retract)	
29	3841143	1	Keeper, Pin	
30	4070895	6	Shim 16Ga	
31	4070896	2	Shim .06	
32	4070939	1	Shim 16Ga	
33	4070940	1	Shim 16Ga	
34	4092009	2	Setscrew M10 x 25	
35	4160149	1	Spring	
36	1001214831	1	Switch, Proximity	
37	4812000	38	Washer M10	
38	5241000	10	Washer M10	
39	1001135488	4	Block	
40	1001136571	12	Shim 16Ga	
41	1001136575	9	Shim 11Ga	
42	1001136583	5	Pad, Wear	
43	4070898	16	Shim, Wear Pad	
44	1001138436	4	Shim 11Ga	
45	4070897	16	Shim, Wear Pad	
46	1001148650	2	Pad, Wear	
47	1001191384	2	Pad, Wear	
49	1001136587	2	Pad, Wear	
50	1001153398	16	Pad, Wear	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	1001251079	1	Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION)	
52	1001175998	1	Rope, Wire (Extend)	
53	1001175999	2	Rope, Wire (Retract)	
54	1001176208	1	Base, Boom	
55	1001176212	1	Mid, Boom	
56	1001176216	1	Fly, Boom	
57	1001184913	2	Sheave, Extend	
57	1001184918	2	Bushing (1 per Sheave)	
57	1001184917	2	Sleeve, Bronze (1 per Sheave)	
57	1001184915	2	Ring, Retaining (1 per Sheave)	
58	1001186541	1	Block	
59	1001189859	1	Rope, Wire (Extend)	
60	1001191048	2	Sheave, Block	
61	1001191202	1	Block	
62	1001191205	6	Screw M10 x 40	
63	0761014	6	Bolt M10 x 30	
64	1001203719	4	Wellnut M6	
65	0761016	4	Bolt M10 x 40	
66	0761017	4	Bolt M10 x45	
67	4060805	6 in/ 16cm	Flex - Trim	
68	1001136590	2	Shim	
69	3291605	1	Nut M16	
70	3292005	2	Nut M20	
71	3292205	1	Nut M22	

FIGURE 4-5. JIB ASSEMBLY (660SJ) (Prior to SN 0300289745, SN 0300290280 through 0300290308)

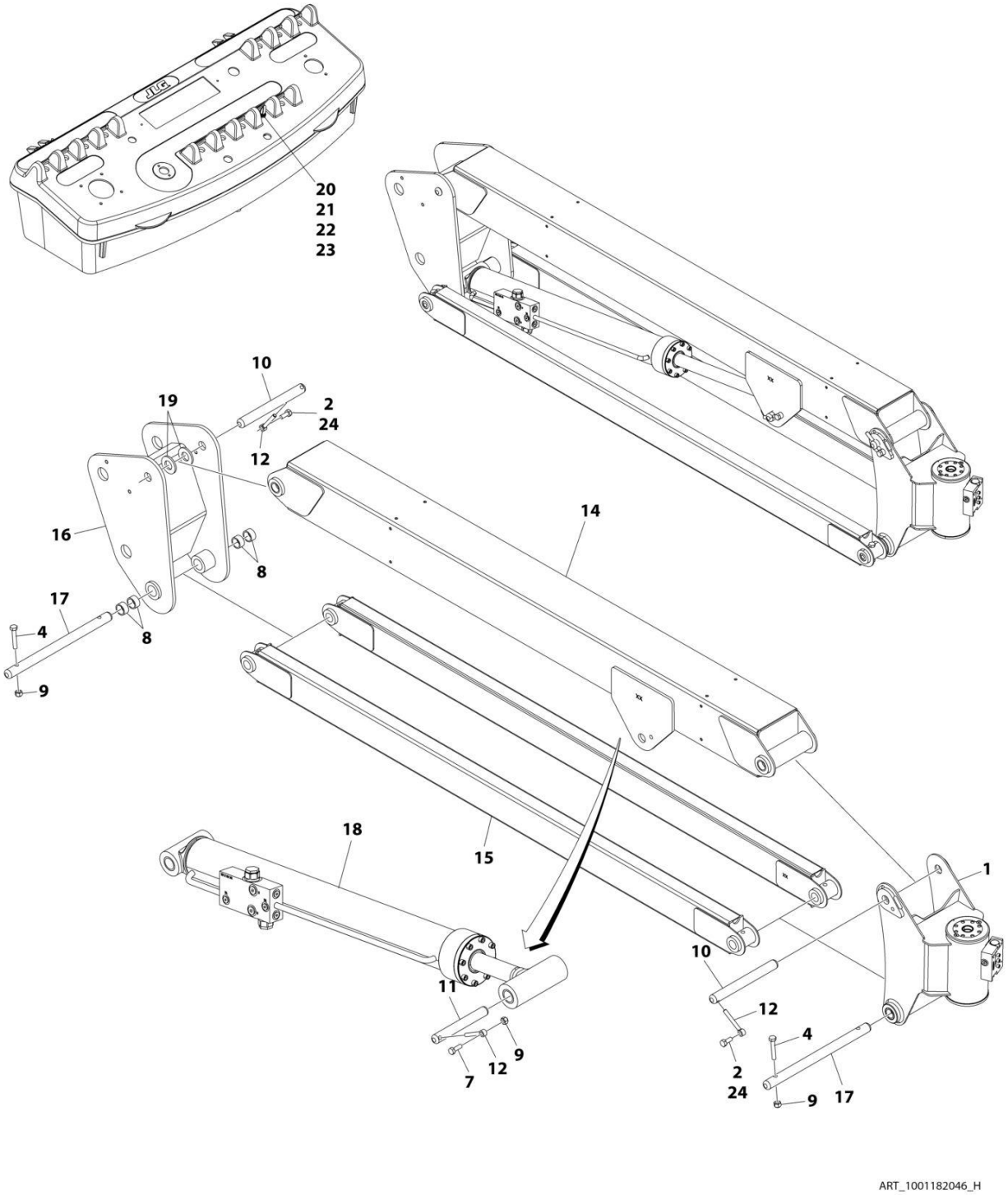


FIGURE 4-5. JIB ASSEMBLY (660SJ) (Prior to SN 0300289745, SN 0300290280 through 0300290308)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182046	Ref	JIB ASSEMBLY	H
1	1001190580	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
2	0100011	AR	Compound, Locking	
4	0701020	4	Bolt M10 x 60	
7	0761014	1	Bolt M10 x 30	
8	0961947	4	Bearing	
9	3291005	1	Nut M10	
10	3422860	2	Pin	
11	3422867	1	Pin	
12	3841143	3	Keeper, Pin	
14	4844816	1	Tube, JIB	
14	0962335	4	Bushing	
15	4844817	2	Link	
16	1001181962	1	Pivot	
17	3422861	2	Pin	
18	1001228013	1	Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section)	
19	4740439	2	Washer	
20	3790012	1	O-Ring	
21	4740397	1	Spacer	
22	1001155044	1	Nut 15/32	
23	1001155045	1	Switch, Toggle	
24	0761012	2	Bolt M10 x 25	

FIGURE 4-6. JIB ASSEMBLY (660SJ) (SN 0300290365 to Present, SN 0300289970 through 0300290001, SN 0300290151 through 0300290204)

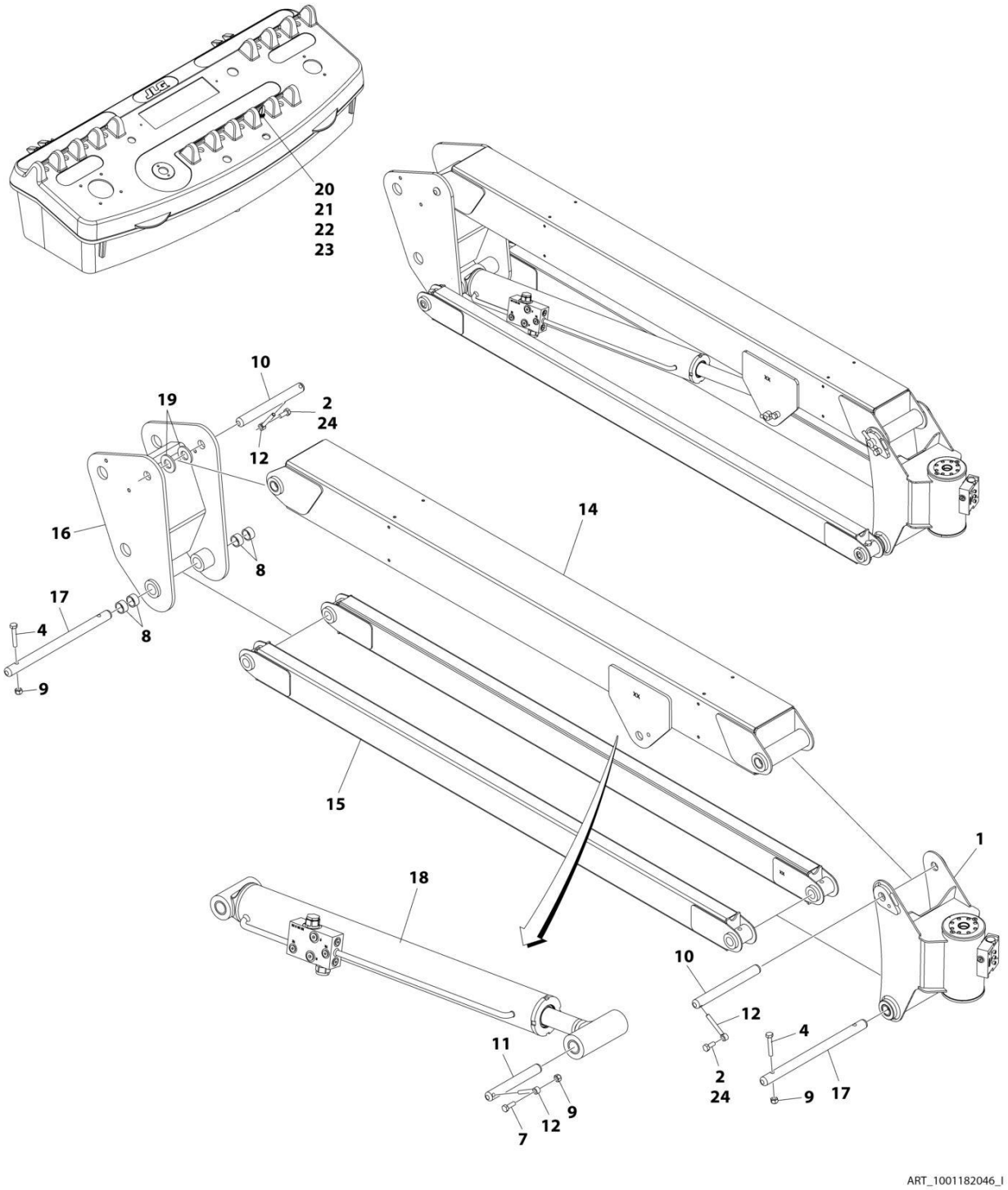


FIGURE 4-6. JIB ASSEMBLY (660SJ) (SN 0300290365 to Present, SN 0300289970 through 0300290001, SN 0300290151 through 0300290204)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001182046	Ref	JIB ASSEMBLY	I
1	1001190580	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
2	0100011	AR	Compound, Locking	
4	0701020	4	Bolt M10 x 60	
7	0761014	1	Bolt M10 x 30	
8	0961947	4	Bearing	
9	3291005	1	Nut M10	
10	3422860	2	Pin	
11	3422867	1	Pin	
12	3841143	3	Keeper, Pin	
14	4844816	1	Tube, JIB	
14	0962335	4	Bushing	
15	4844817	2	Link	
16	1001181962	1	Pivot	
17	3422861	2	Pin	
18	1001251013	1	Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER Section)	
19	4740439	2	Washer	
20	3790012	1	O-Ring	
21	4740397	1	Spacer	
22	1001155044	1	Nut 15/32	
23	1001155045	1	Switch, Toggle	
24	0761012	2	Bolt M10 x 25	

FIGURE 4-7. JIB ASSEMBLY (MACHINES WITH SN STARTING WITH B3) (660SJ)

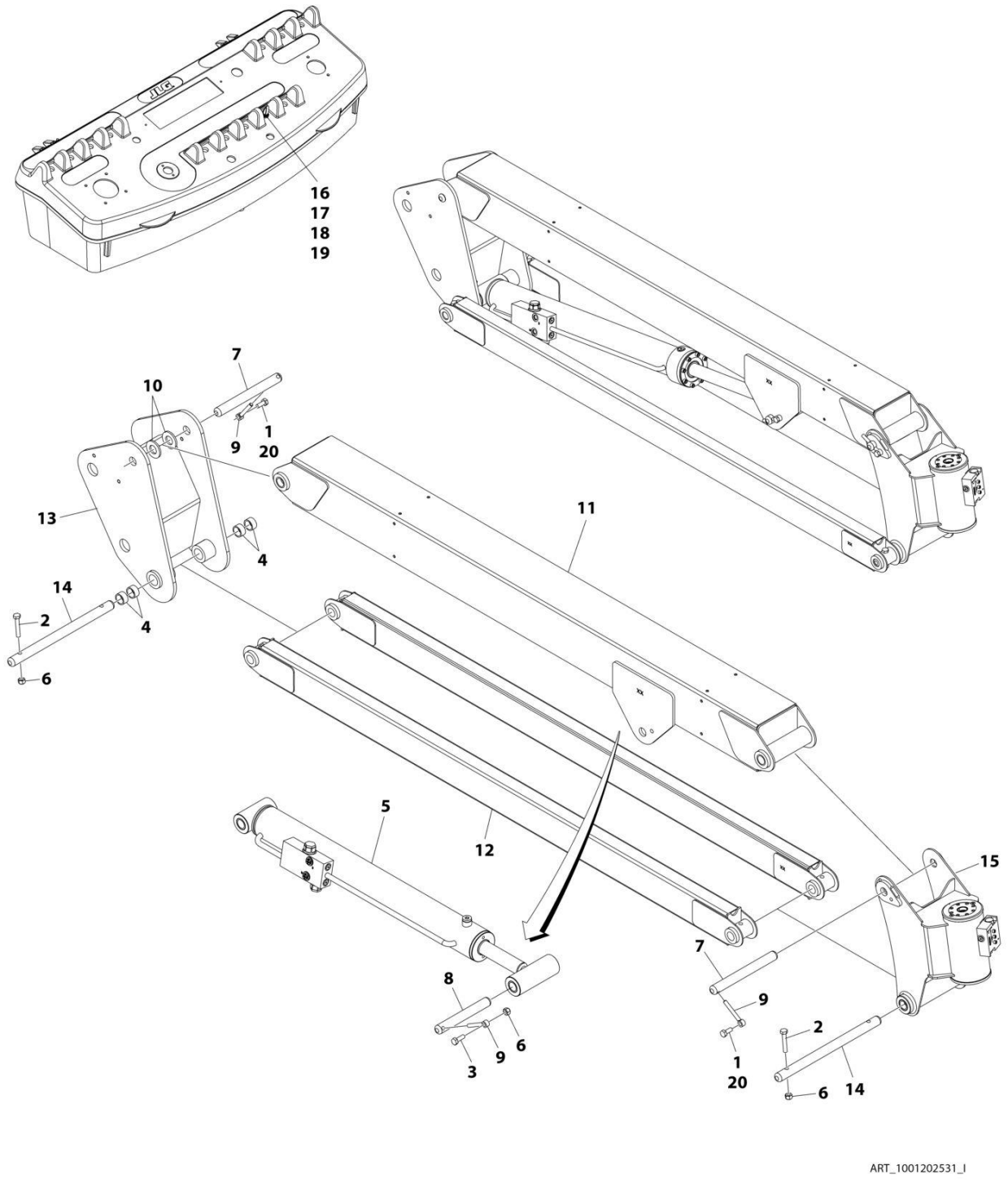


FIGURE 4-7. JIB ASSEMBLY (MACHINES WITH SN STARTING WITH B3) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001202531	Ref	JIB ASSEMBLY	I
1	0100011	AR	Compound, Locking	
2	0701020	4	Bolt M10 x 60	
3	0761014	1	Bolt M10 x 30	
4	0961947	4	Bearing	
5	1001230371	1	Lift Cylinder Assembly - JIB (See Separate Breakdown in CYLINDER SECTION)	
6	3291005	5	Nut M10	
7	3422860	2	Pin	
8	3422867	1	Pin	
9	3841143	3	Keeper, Pin	
10	4740439	2	Washer	
11	4844816	1	Tube, JIB	
11	0962355	4	Bushing	
12	4844817	2	Link	
13	1001181962	1	Pivot	
14	3422861	2	Pin	
15	1001190580	1	Platform Rotator Assembly (See Separate Breakdown in this Section)	
16	3790012	1	O-Ring	
17	4740397	1	Spacer	
18	1001155044	1	Nut 15/32	
19	1001155045	1	Switch, Toggle	
20	0761012	2	Bolt M10 x 25	

FIGURE 4-8. PLATFORM ROTATOR ASSEMBLY (600S)

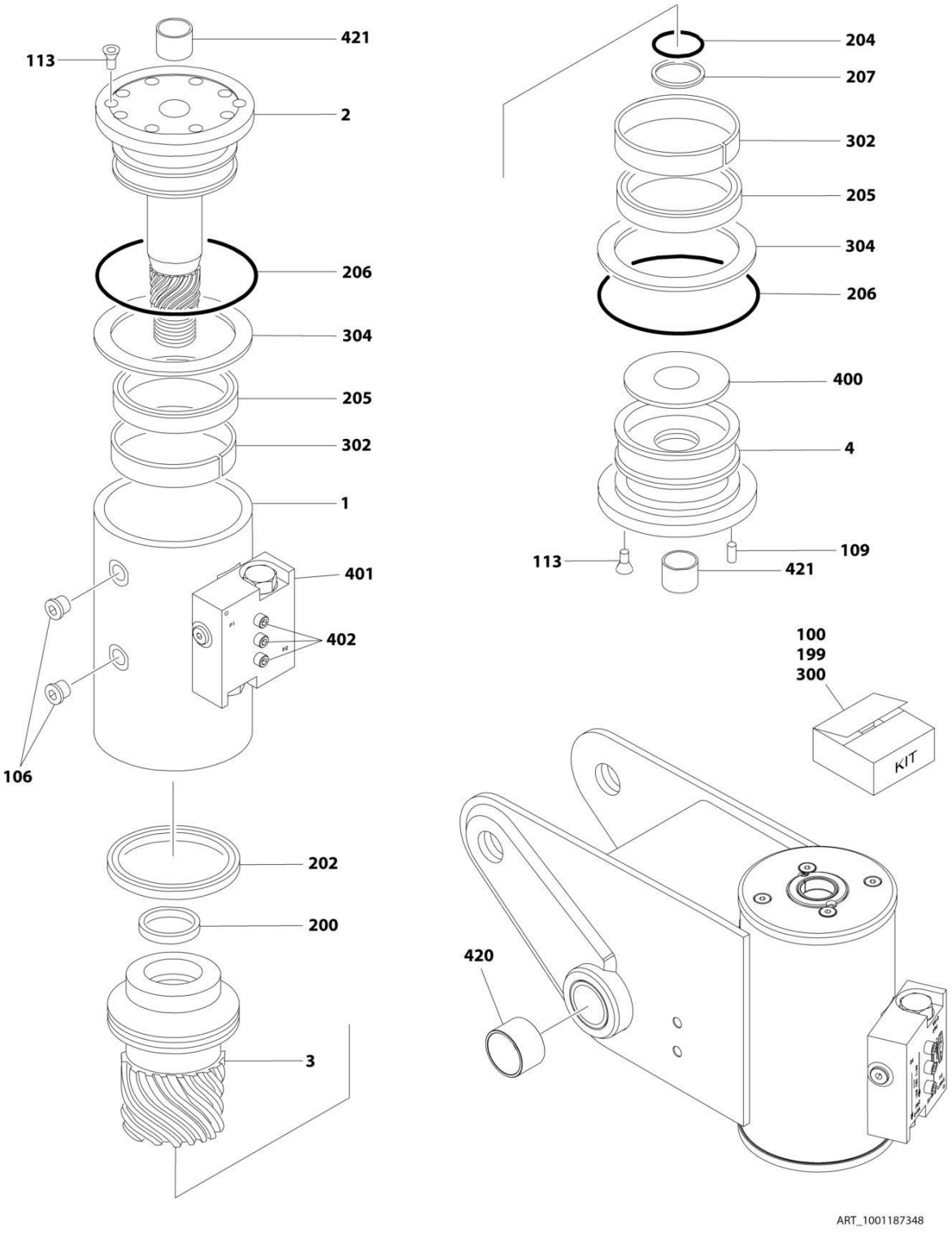


FIGURE 4-8. PLATFORM ROTATOR ASSEMBLY (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187348	Ref	PLATFORM ROTATOR ASSEMBLY	E
1	See Note	NSS	Housing/Ring Gear (Note: Purchase Complete Assembly)	
2	7017162	1	Shaft	
3	7017163	1	Piston	
4	7017164	1	Cap	
100	7017142	1	Hardware Kit (Includes Items 106-109)	
106	See Note	NSS	Plug (Note: Use Item 100)	
109	See Note	NSS	Pin, Dowel (Note: Use Item 100)	
113	70001697	6	Screw 1/4 x 3/8	
199	70000342	1	Seal Kit - Low Temperature (Includes Items 200-207)	
200	See Note	NSS	T-Seal (Note: Use Item 199)	
202	See Note	NSS	T-Seal (Note: Use Item 199)	
204	See Note	NSS	O-Ring (Note: Use Item 199)	
205	See Note	NSS	Seal (Note: Use Item 199)	
206	See Note	NSS	O-Ring (Note: Use Item 199)	
207	See Note	NSS	Ring, Back-up (Note: Use Item 199)	
300	7017159	1	Bearing Kit (Includes Items 302-304)	
302	See Note	NSS	Bearing (Note: Use Item 300)	
304	See Note	NSS	Washer, Thrust (Note: Use Item 300)	
400	70005671	1	Stop	
401	7017172	1	Valve, Control (Note: Sold as Assembly Only)	
401	7017192	2	Cartridge, Valve - Counterbalance (Seal Kit Not Available)	
401	See Note	1	Cartridge, Valve - Check (Seal Kit Not Available) (Note: Use p/n 7017172)	
402	See Note	1	Bolt 1/4 x 1-1/2 Grade 8 (Note: Purchase Locally)	
420	0961951	2	Bushing	
421	7017195	2	Bushing	

FIGURE 4-9. PLATFORM ROTATOR ASSEMBLY (660SJ)

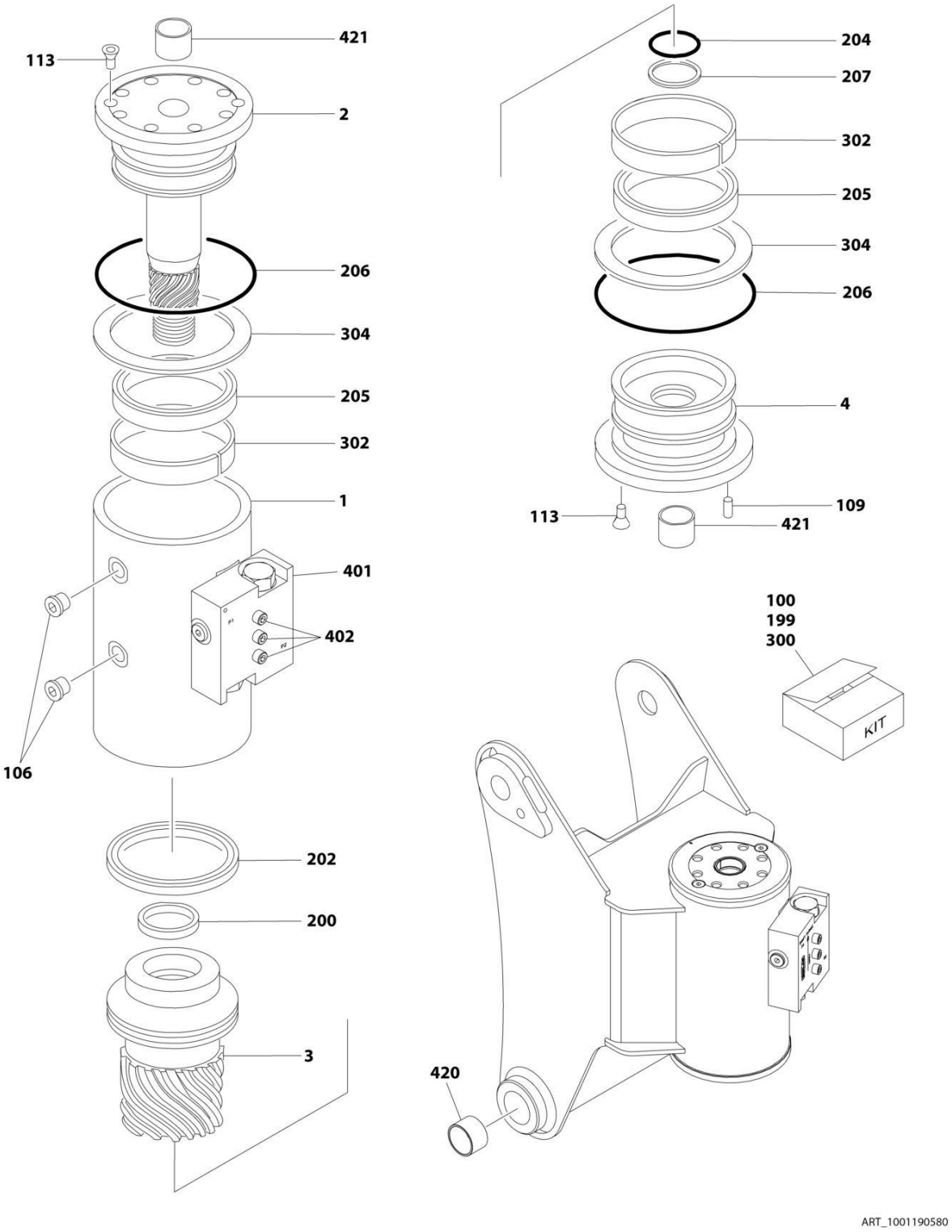


FIGURE 4-9. PLATFORM ROTATOR ASSEMBLY (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190580	Ref	PLATFORM ROTATOR ASSEMBLY	F
1	See Note	NSS	Housing/Ring Gear (Note: Purchase Complete Assembly)	
2	7017162	1	Shaft	
3	7017163	1	Piston	
4	7017164	1	Cap	
100	7017142	1	Hardware Kit (Includes Items 106-109)	
106	See Note	NSS	Plug (Note: Use Item 100)	
109	See Note	NSS	Pin, Dowel (Note: Use Item 100)	
113	70001697	6	Screw 1/4 x 3/8	
199	70000342	1	Seal Kit - Low Temperature (Includes Items 200-207)	
200	See Note	NSS	T-Seal (Note: Use Item 199)	
202	See Note	NSS	T-Seal (Note: Use Item 199)	
204	See Note	NSS	O-Ring (Note: Use Item 199)	
205	See Note	NSS	Seal (Note: Use Item 199)	
206	See Note	NSS	Ring, Back-up (Note: Use Item 199)	
207	See Note	NSS	Ring, Back-up (Note: Use Item 199)	
300	7017159	1	Bearing Kit (Includes Items 302-304)	
302	See Note	NSS	Bearing (Note: Use Item 300)	
304	See Note	NSS	Washer, Thrust (Note: Use Item 300)	
401	7017172	1	Valve, Control (Note: Sold as Assembly Only)	
401	7017192	2	Cartridge, Valve - Counterbalance (Seal Kit Not Available)	
401	See Note	1	Cartridge, Valve - Check (Seal Kit Not Available) (Note: Use p/n 7017172)	
402	See Note	NSS	Bolt 1/4 x 1-1/2 Grade 8 (Note: Purchase Locally)	
420	0961947	2	Bushing	
421	7017195	1	Bushing	

FIGURE 4-10. POWER TRACK INSTALLATION

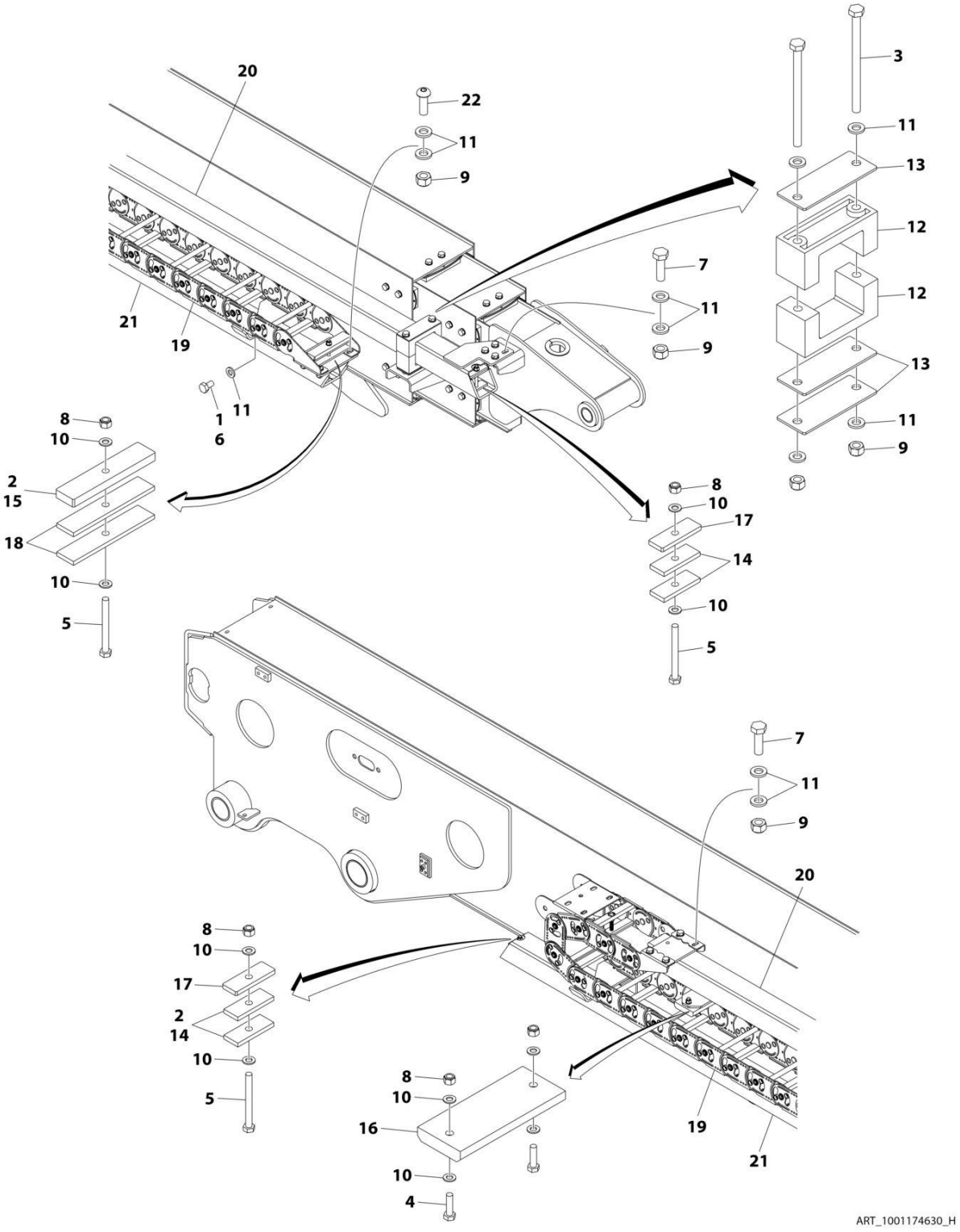


FIGURE 4-10. POWER TRACK INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001174630	Ref	POWER TRACK INSTALLATION	H
1	0100011	AR	Compound, Locking	
2	0100081	AR	Adhesive	
3	0701032	2	Bolt M10 x 150	
4	0760814	2	Bolt M8 x 30	
5	0700823	3	Bolt M8 x 75	
6	0761009	8	Bolt M10 x 18	
7	0761015	8	Bolt M10 x 35	
8	3290805	5	Nut M8	
9	3291005	14	Nut M10	
10	4811900	10	Washer M8	
11	5241000	36	Washer M10	
12	3340764	2	Pad	
13	1001136400	AR	Plate	
14	1001136402	4	Pad	
15	1001136461	1	Plate	
16	3340787	1	Pad, Wear	
17	1001139078	2	Plate	
18	1001151192	2	Pad	
19	1001174631	1	Powertrack Assembly	
19	70005683	AR	Repair Section - Power Track	
19	70005684	1	Mounting Kit - Power Track (Includes Mounting Feet and Hardware)	
20	1001174632	1	Tube, Push	
21	1001174636	1	Support	
22	1001174673	4	Screw M10 x 30	

FIGURE 4-11. BOOM VALVES INSTALLATION - WITH 2WS (600S)

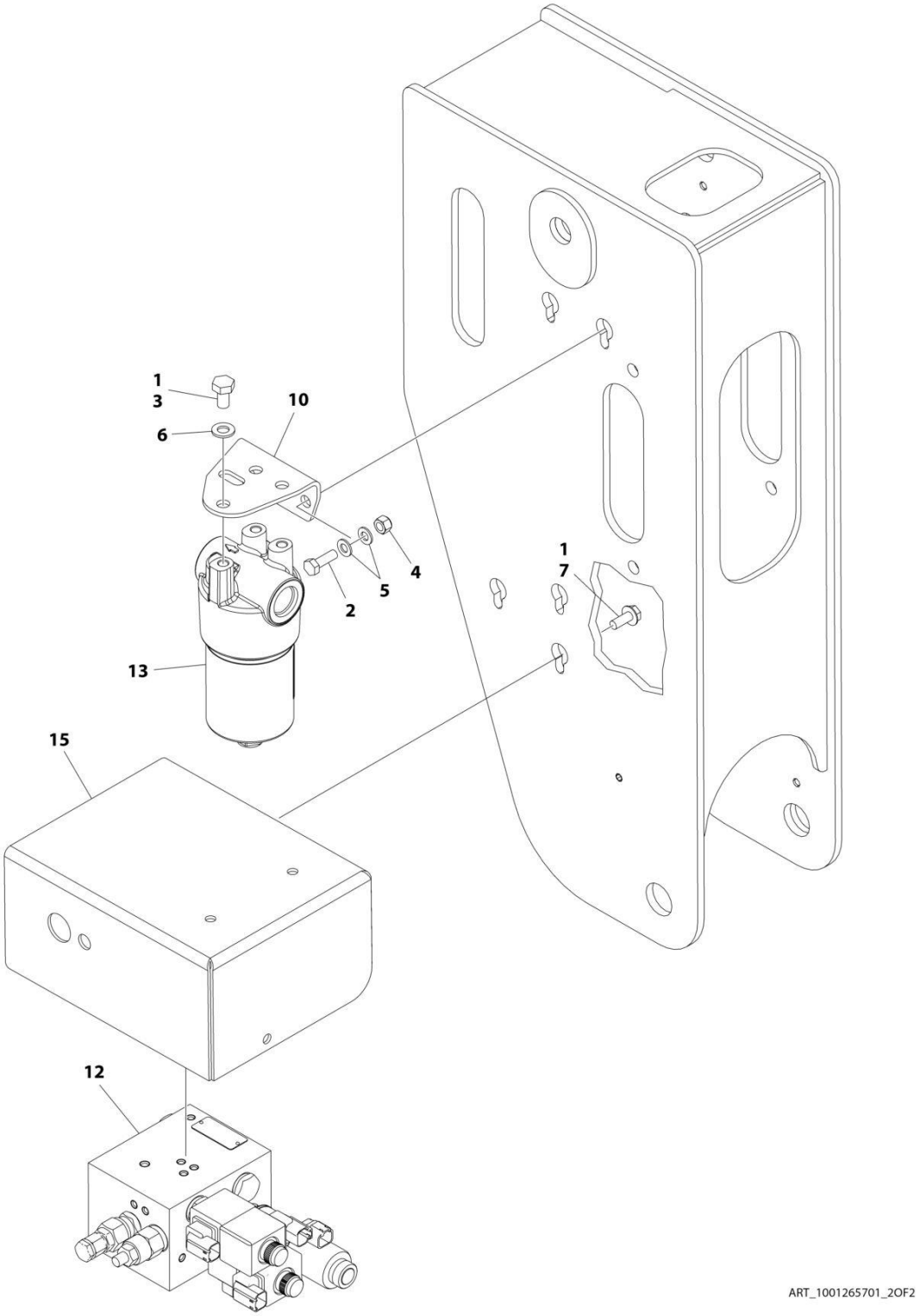


FIGURE 4-11. BOOM VALVES INSTALLATION - WITH 2WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265701	Ref	BOOM VALVES INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760814	2	Bolt M8 x 30	
3	0761009	6	Bolt M10 x 18	
4	3290805	2	Nut M8	
5	4811900	4	Washer M8	
6	4812000	6	Washer M10	
7	5250810	3	Bolt M8 x 20	
10	1001188302	1	Plate	
12	1001190287	1	Platform Valve Assembly (See Separate Breakdown in this Section)	
13	1001201511	1	Filter, High Pressure	
13	70005335	1	Element, Filter	
13	70005682	1	Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring)	
15	1001260460	1	Cover, Valve Weldment	

FIGURE 4-12. BOOM VALVES INSTALLATION - WITH 4WS (600S)

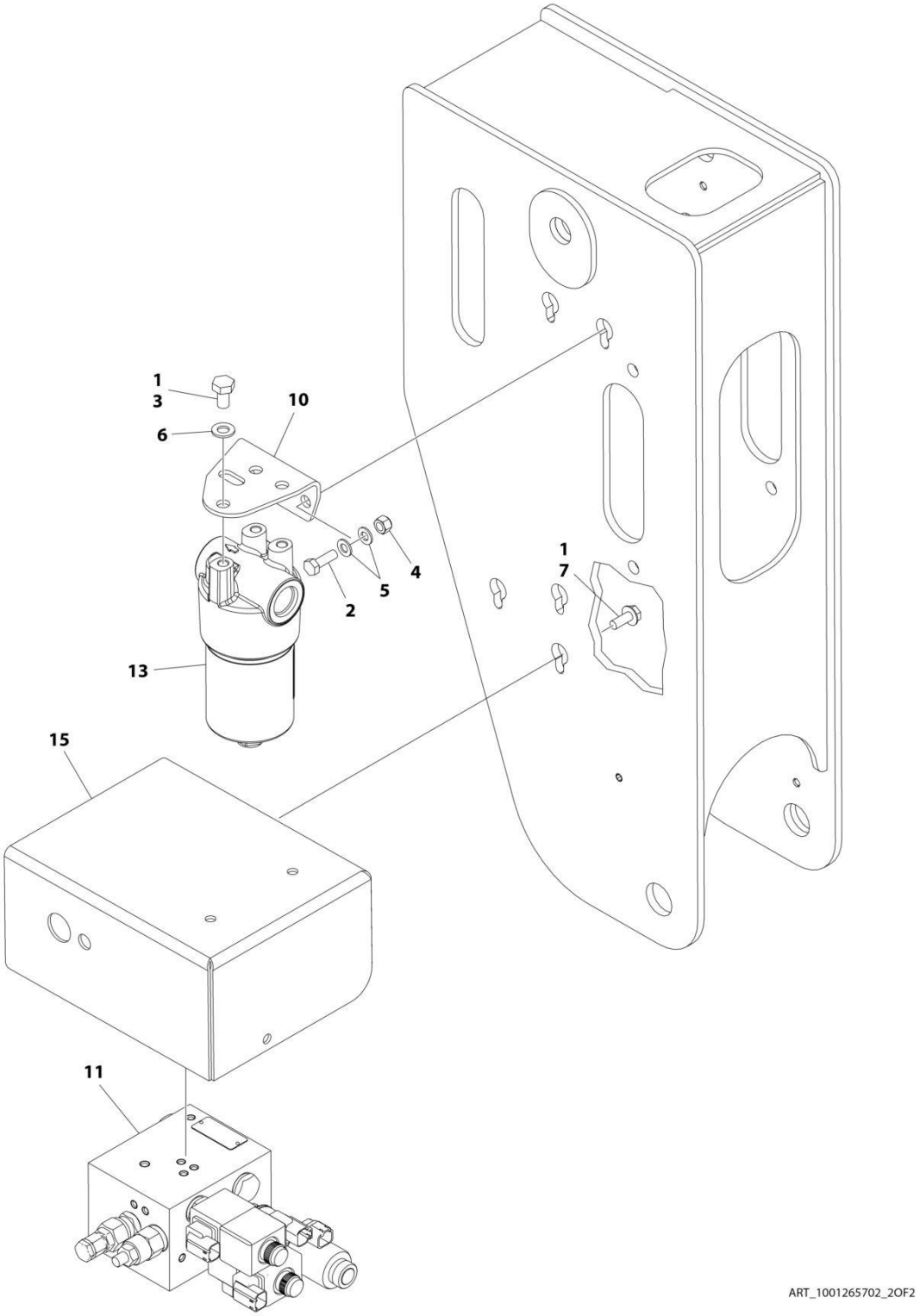


FIGURE 4-12. BOOM VALVES INSTALLATION - WITH 4WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265702	Ref	VALVE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0760814	2	Bolt M8 x 30	
3	0761009	6	Bolt M10 x 18	
4	3290805	2	Nut M8	
5	4811900	4	Washer M8	
6	4812000	6	Washer M10	
7	5250810	3	Bolt M8 x 20	
10	1001188302	1	Plate	
11	1001190287	1	Platform Valve Assembly (See Separate Breakdown in this Section)	
13	1001201511	1	Filter, High Pressure	
13	70005335	1	Element, Filter	
13	70005682	1	Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring)	
15	1001260460	1	Cover, Valve Weldment	

FIGURE 4-13. BOOM VALVES INSTALLATION - WITH 2WS (660SJ)

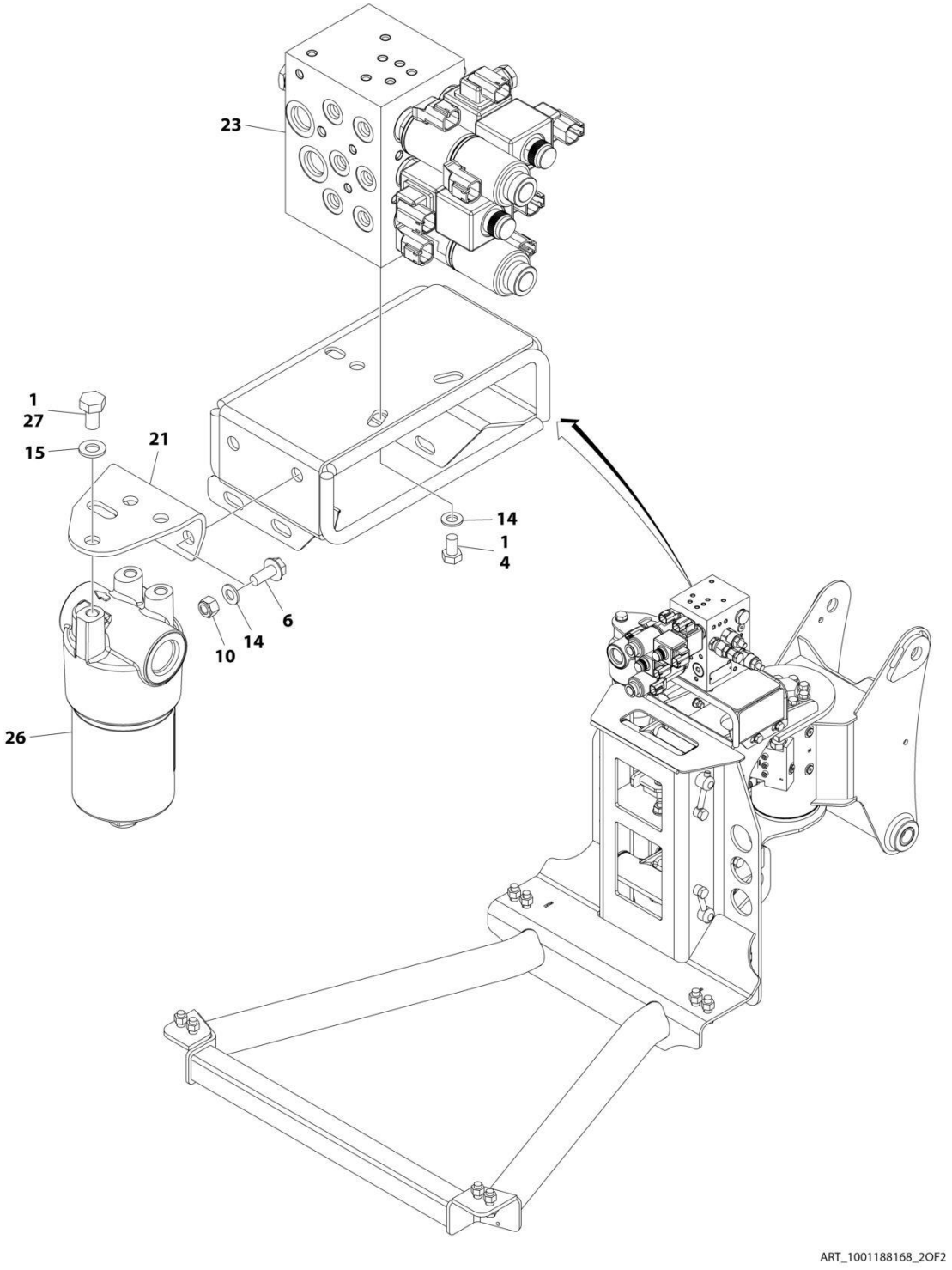


FIGURE 4-13. BOOM VALVES INSTALLATION - WITH 2WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188168	Ref	BOOM VALVES INSTALLATION	G
1	0100011	AR	Compound, Locking	
4	0760807	3	Bolt M8 x 14	
6	5250810	2	Bolt M8 x 20	
10	3290805	2	Nut M8	
14	4811900	5	Washer M8	
15	4812000	3	Washer M10	
21	1001188302	1	Plate	
23	1001190286	1	Platform Valve Assembly (See Separate Breakdown in this Section)	
26	1001201511	1	Filter, High Pressure	
26	70005335	1	Element, Filter	
26	70005682	1	Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring)	
27	0761009	3	Bolt M10 x 18	

FIGURE 4-14. BOOM VALVES INSTALLATION - WITH 4WS (660SJ)

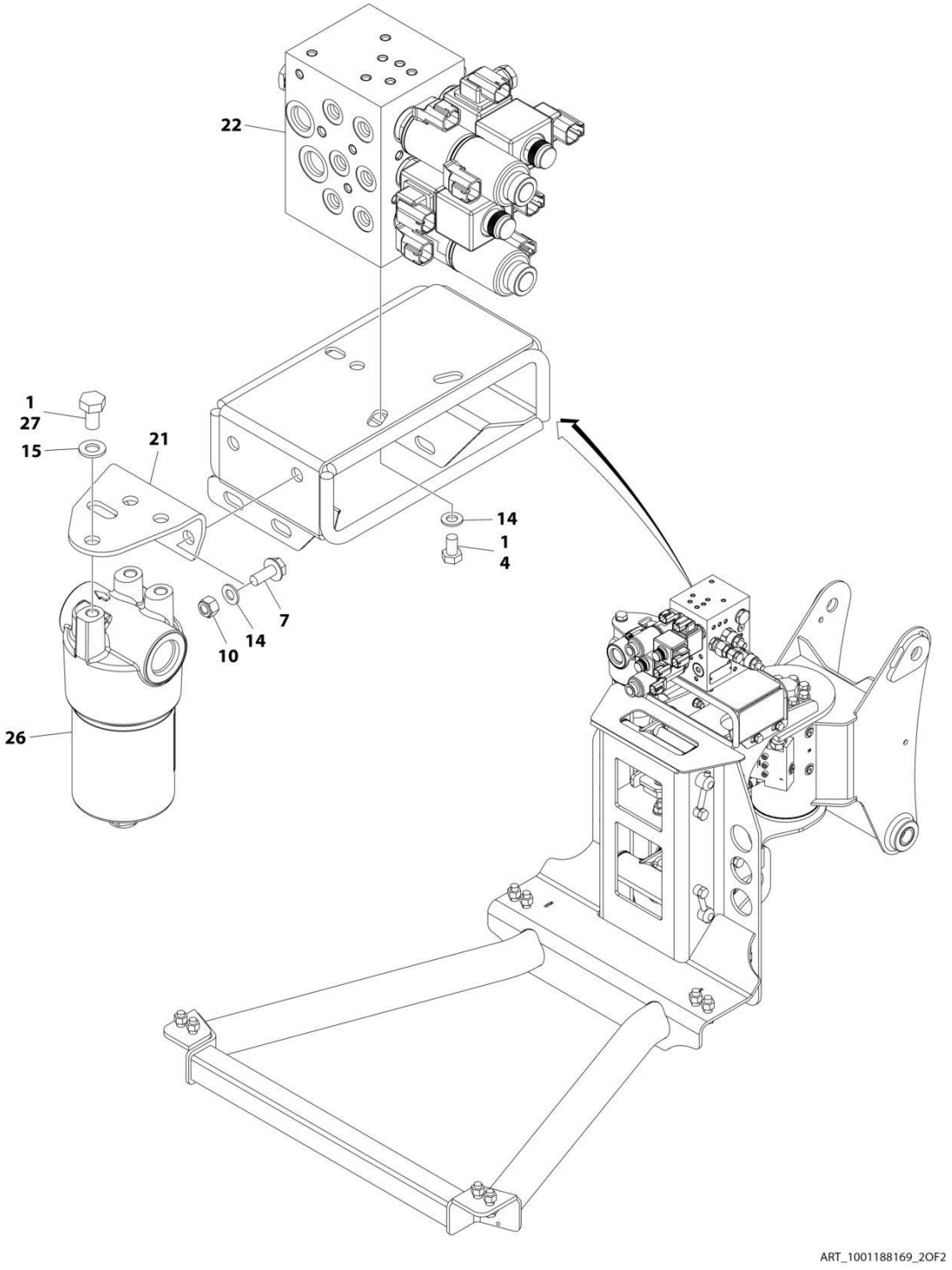


FIGURE 4-14. BOOM VALVES INSTALLATION - WITH 4WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188169	Ref	BOOM VALVES INSTALLATION	G
1	0100011	AR	Compound, Locking	
4	0760807	3	Bolt M8 x 14	
7	5250810	2	Bolt M8 x 20	
10	3290805	2	Nut M8	
14	4811900	5	Washer M8	
15	4812000	3	Washer M10	
21	1001188302	1	Plate	
22	1001190286	1	Platform Valve Assembly (See Separate Breakdown in this Section)	
26	1001201511	1	Filter, High Pressure	
26	70005335	1	Element, Filter	
26	70005682	1	Repair Kit (Includes Element O-Ring, Bowl O-Ring & Back-up Ring)	
27	0761009	3	Bolt M10 x 18	

FIGURE 4-15. PLATFORM VALVE ASSEMBLY (600S)

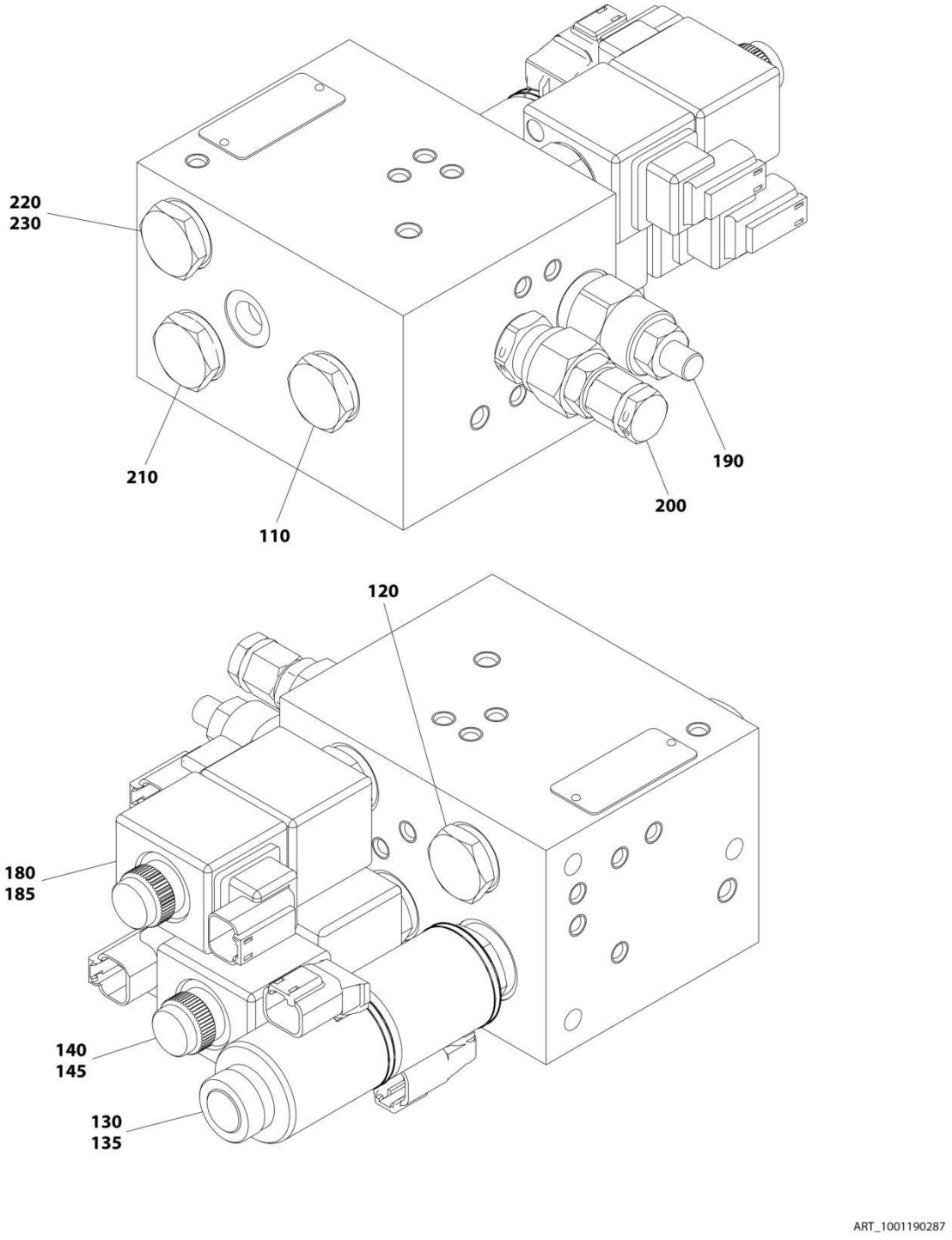


FIGURE 4-15. PLATFORM VALVE ASSEMBLY (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190287	Ref	PLATFORM VALVE ASSEMBLY	E
110	70005951	1	Valve, Check	
110	70004052	1	Seal Kit - 70005951 Valve	
120	70003027	1	Valve, Flow/Pressure Control	
120	70004052	1	Seal Kit - 70003027 Valve	
130	70006121	1	Valve, Solenoid (Platform Level)	
130	70006116	1	Seal Kit - 70006121 Valve	
135	70006122	2	Coil	
140	70005627	1	Valve, Solenoid (Platform Swing)	
140	70004053	1	Seal Kit - 70005627 Valve	
140	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
145	70004653	2	Coil	
180	70006124	1	Valve, Solenoid	
180	70023862	1	Seal Kit - 70006124 Valve	
180	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
185	70004653	2	Coil	
190	70003019	1	Valve, Relief	
190	70004052	1	Seal Kit - 70003019 Valve	
200	70006125	1	Valve, Relief	
200	70006126	1	Seal Kit - 70006125 Valve	
210	70005952	1	Valve, Check	
210	70004052	1	Seal Kit - 70005952 Valve	
220	7022524	1	Orifice 0.5mm	
230	70005952	1	Valve, Check	
230	70004052	1	Seal Kit - 70005952 Valve	

FIGURE 4-16. PLATFORM VALVE ASSEMBLY (660SJ)

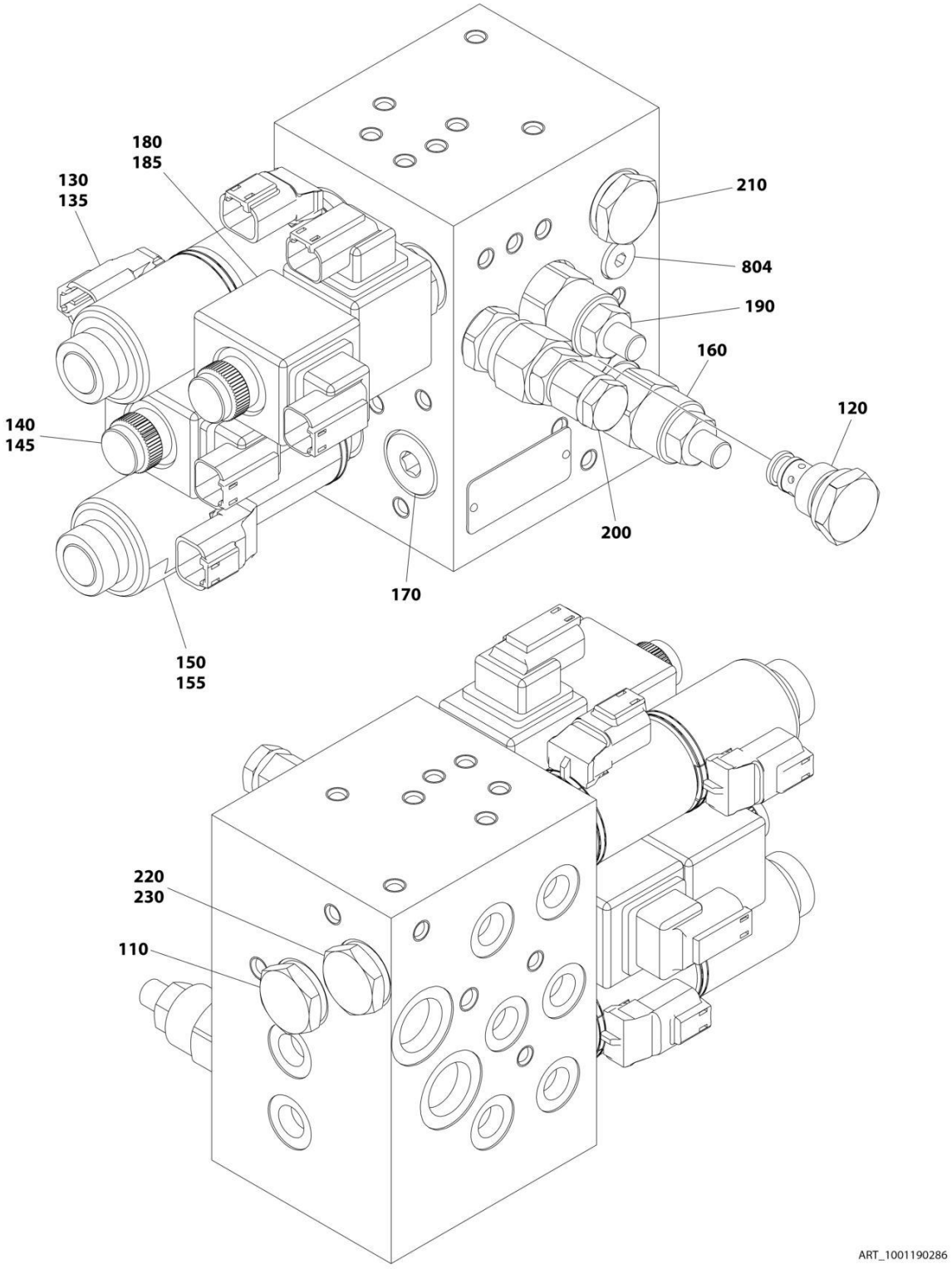


FIGURE 4-16. PLATFORM VALVE ASSEMBLY (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190286	Ref	PLATFORM VALVE ASSEMBLY	D
110	70005951	1	Valve, Check	
110	70004052	1	Seal Kit - 70005951 Valve	
120	70003027	1	Valve, Flow/Pressure Control	
120	70004052	1	Seal Kit - 70003027 Valve	
130	70006121	1	Valve, Solenoid (Platform Level)	
130	70006116	1	Seal Kit - 70006121 Valve	
135	70006122	2	Coil	
140	70005627	1	Valve, Solenoid (Platform Swing)	
140	70004053	1	Seal Kit - 70005627 Valve	
140	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
145	70004653	2	Coil	
150	70006121	1	Valve, Solenoid (JIB Up/Down)	
150	70006116	1	Seal Kit - 70006121 Valve	
155	70006122	2	Coil	
160	70003019	1	Valve, Relief	
160	70004052	1	Seal Kit - 70003019 Valve	
170	70004613	1	Valve, Relief	
170	70023860	1	Seal Kit - 70004613 Valve	
180	70006124	1	Valve, Solenoid	
180	70023862	1	Seal Kit - 70006124 Valve	
180	70006123	1	Coil Nut & Pole Tube O-Ring Kit	
185	70004653	2	Coil	
190	70003019	1	Valve, Relief	
190	70004052	1	Seal Kit - 70003019 Valve	
200	70006125	1	Valve, Relief	
200	70006126	1	Seal Kit - 70006125 Valve	
210	70005952	1	Valve, Check	
210	70004052	1	Seal Kit - 70003019 Valve	
220	7022524	1	Orifice 0.5mm	
230	70005952	1	Valve, Check	
230	70004052	1	Seal Kit - 70005952 Valve	
804	70005200	1	Plug	

FIGURE 4-17. BOOM SENSORS INSTALLATION (MACHINES WITH SN STARTING WITH 03) (600S)

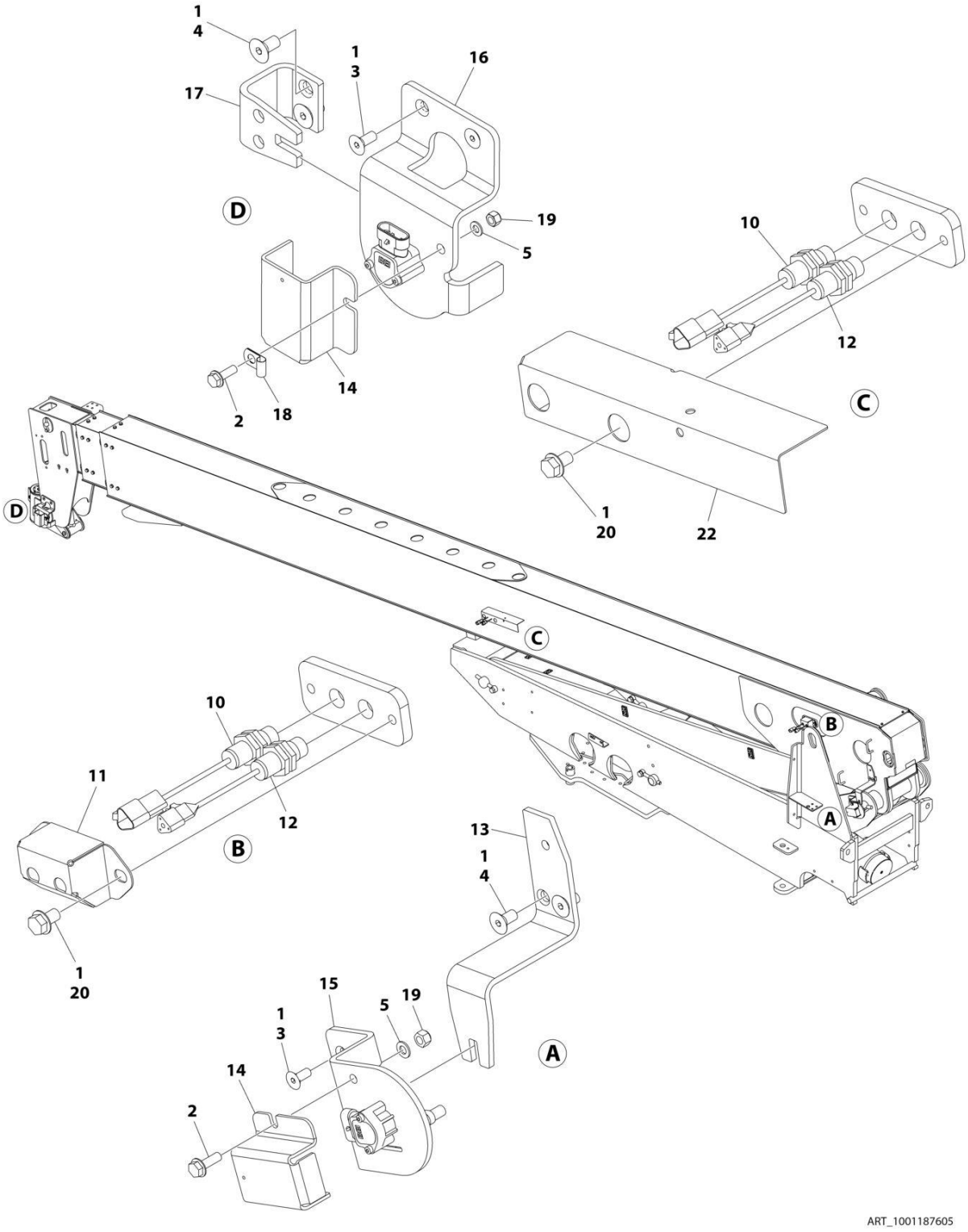


FIGURE 4-17. BOOM SENSORS INSTALLATION (MACHINES WITH SN STARTING WITH 03) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187605	Ref	BOOM SENSORS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	5250812	2	Bolt M8 x 25	
3	1001137125	4	Screw M8 x 20	
4	1001155441	4	Screw M10 x 20 Grade 10.9	
5	4811900	2	Washer M8	
10	1001170847	3	Sensor, Proximity	
11	1001204715	3	Bracket	
12	1001182570	3	Sensor, Proximity	
13	1001211585	1	Plate	
14	1001211588	2	Shield	
15	1001211577	1	Sensor (Lower)	
15	4010303	1	Screw Posi-drive M3 x 6	
15	1001204939	1	Sensor, Angle	
15	1001211580	1	Bracket	
15	1001211582	1	Link, Angle Sensor Arm	
16	1001211578	1	Sensor (Upper)	
16	4010303	1	Screw Posi-drive M3 x 6	
16	1001191020	1	Sensor, Angle	
16	1001211581	1	Bracket	
16	1001211583	1	Link, Angle Sensor Arm	
17	1001211586	1	Plate	
18	8406003	1	Clip	
19	3290805	2	Nut M8	
20	5251008	14	Bolt M10 x 16	
21	4240033	7	Tie-Strap (Not Shown)	
22	1001227792	1	Plate	

FIGURE 4-18. BOOM SENSORS INSTALLATION (660SJ)

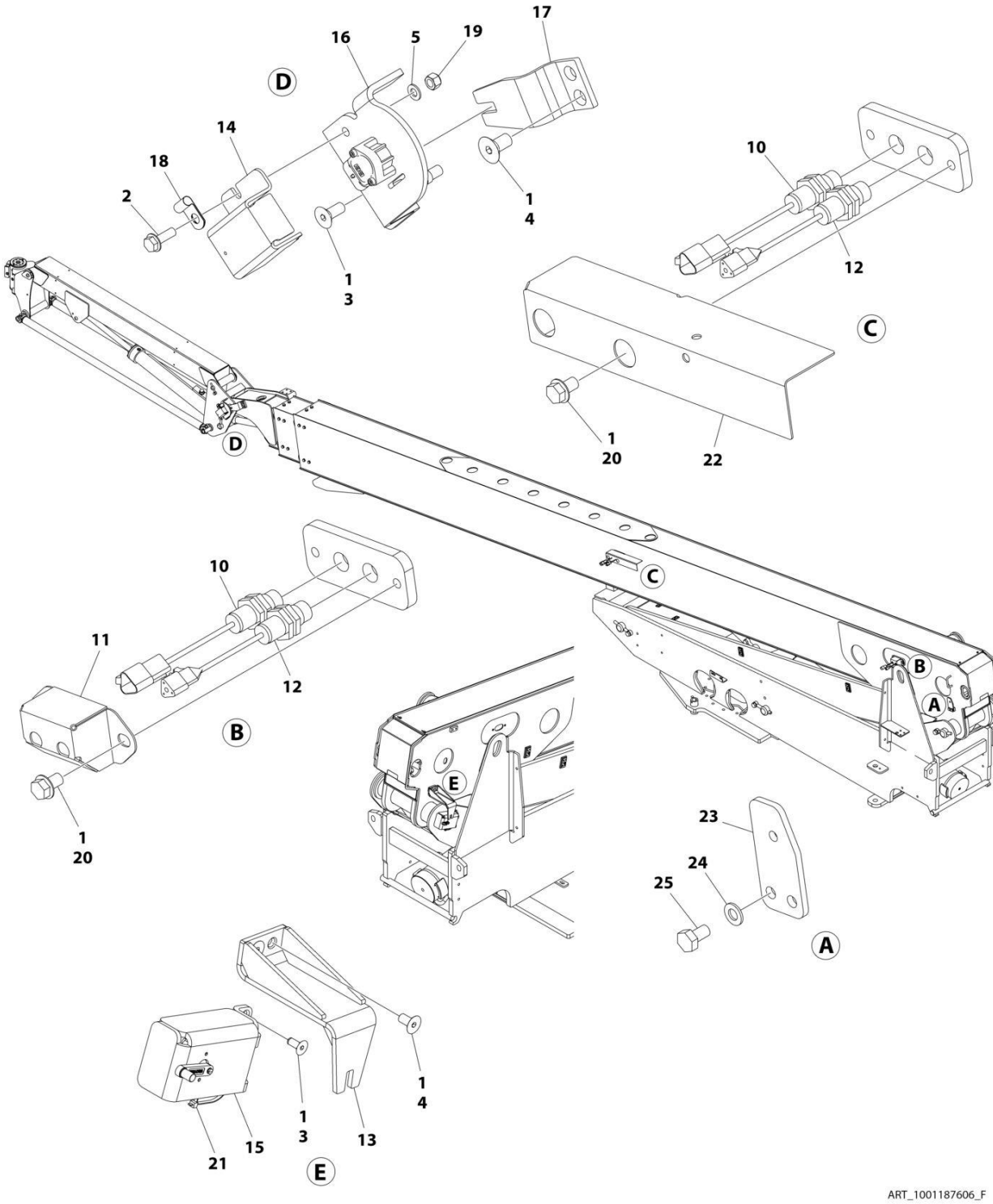


FIGURE 4-18. BOOM SENSORS INSTALLATION (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001187606	Ref	BOOM SENSORS INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	5250812	1	Bolt M8 x 25	
3	1001137125	4	Screw M8 x 20	
4	1001155441	4	Screw M10 x 20 Grade 10.9	
5	4811900	1	Washer M8	
10	1001170847	2	Sensor, Proximity	
11	1001204715	1	Bracket	
12	1001182570	2	Sensor, Proximity	
13	1001272835	1	Plate	
14	1001211588	1	Shield	
15	1001277991	1	Sensor (Lower)	
15	4010303	1	Screw Posi-drive M3 x 6	
15	1001204939	1	Sensor, Angle	
15	1001273619	1	Bracket	
15	1001211582	1	Link, Angle Sensor Arm	
16	1001211579	1	Sensor (Upper)	
16	4010303	1	Screw Posi-drive M3 x 6	
16	1001191020	1	Sensor, Angle	
16	1001211581	1	Bracket	
16	1001211584	1	Link, Angle Sensor Arm	
17	1001211587	1	Plate	
18	8406003	1	Clip	
19	3290805	1	Nut M8	
20	5251008	4	Bolt M10 x 16	
21	4240033	2	Tie-Strap (Not Shown)	
22	1001227792	1	Plate	
23	1001278387	1	Plate	
24	4812000	2	Washer M10	
25	0761009	2	Bolt M10 x 18	

FIGURE 4-19. BOOM SENSOR WITH COVERS INSTALLATION (660SJ)

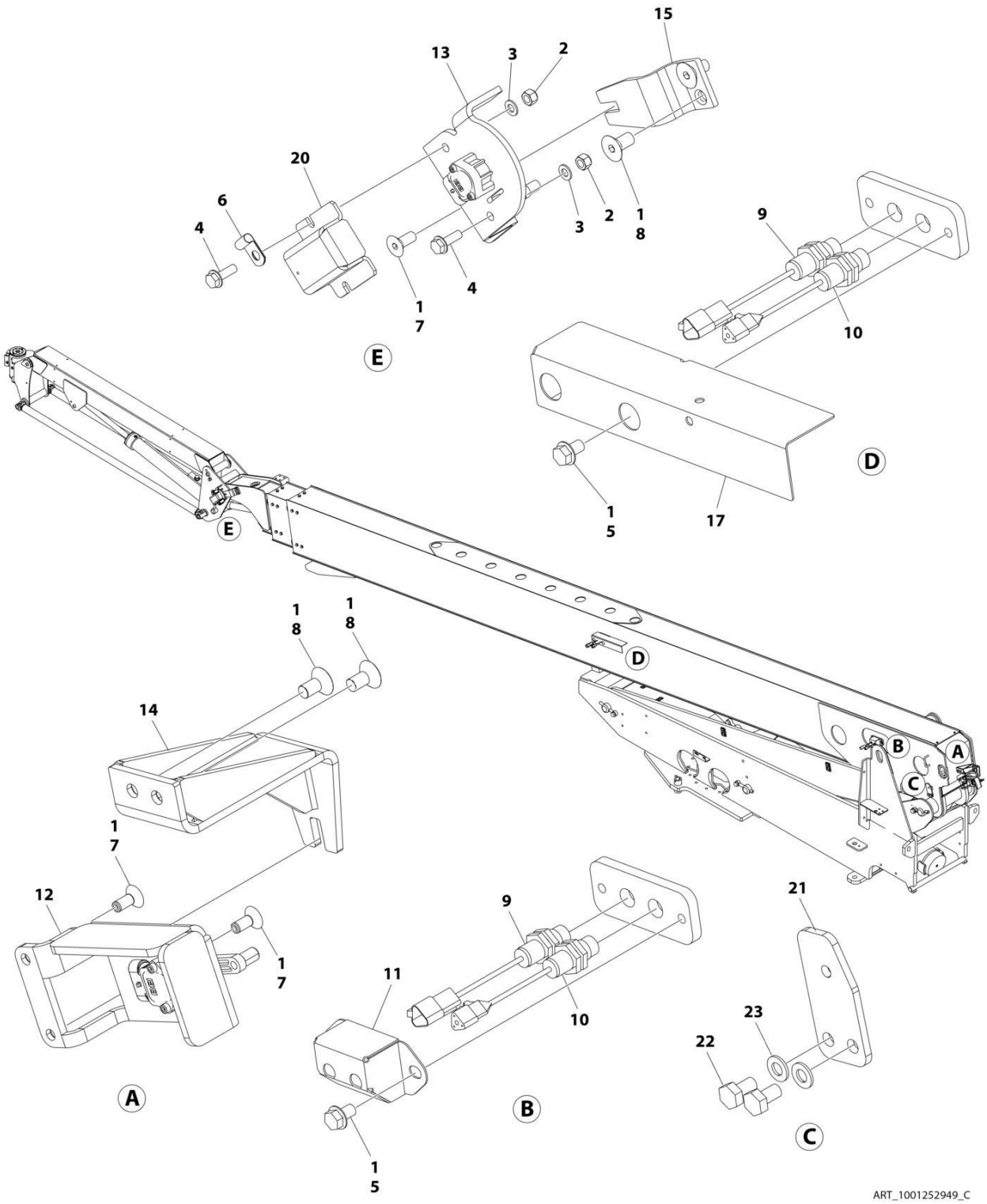


FIGURE 4-19. BOOM SENSOR WITH COVERS INSTALLATION (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001252949	Ref	BOOM SENSOR INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	3290805	2	Nut M8	
3	4811900	2	Washer M8	
4	5250812	2	Bolt M8 x 25	
5	5251008	4	Bolt M10 x 16	
6	8406003	1	Clip	
7	1001137125	4	Screw M8 x 20	
8	1001155441	4	Screw M10 x 20 Grade 10.9	
9	1001170847	2	Sensor, Proximity	
10	1001182570	2	Sensor, Proximity	
11	1001204715	1	Bracket	
12	1001277991	1	Sensor (Lower)	
12	4010303	1	Screw Posi-drive M3 x 6	
12	1001204939	1	Sensor, Angle	
12	1001273619	1	Bracket	
12	1001211582	1	Link, Angle Sensor Arm	
13	1001274433	1	Sensor (Upper)	
13	4010303	1	Screw Posi-drive M3 x 6	
13	1001191020	1	Sensor, Angle	
13	1001270274	1	Bracket	
13	1001211584	1	Link, Angle Sensor Arm	
14	1001272835	1	Plate	
15	1001270275	1	Plate	
17	1001227792	1	Plate	
19	4240033	2	Tie-Strap (Not Shown)	
20	1001270826	1	Support	
21	1001278387	1	Plate	
22	0761009	2	Bolt M10 x 18	
23	4812000	2	Washer M10	

FIGURE 4-20. PLATFORM SUPPORT INSTALLATION

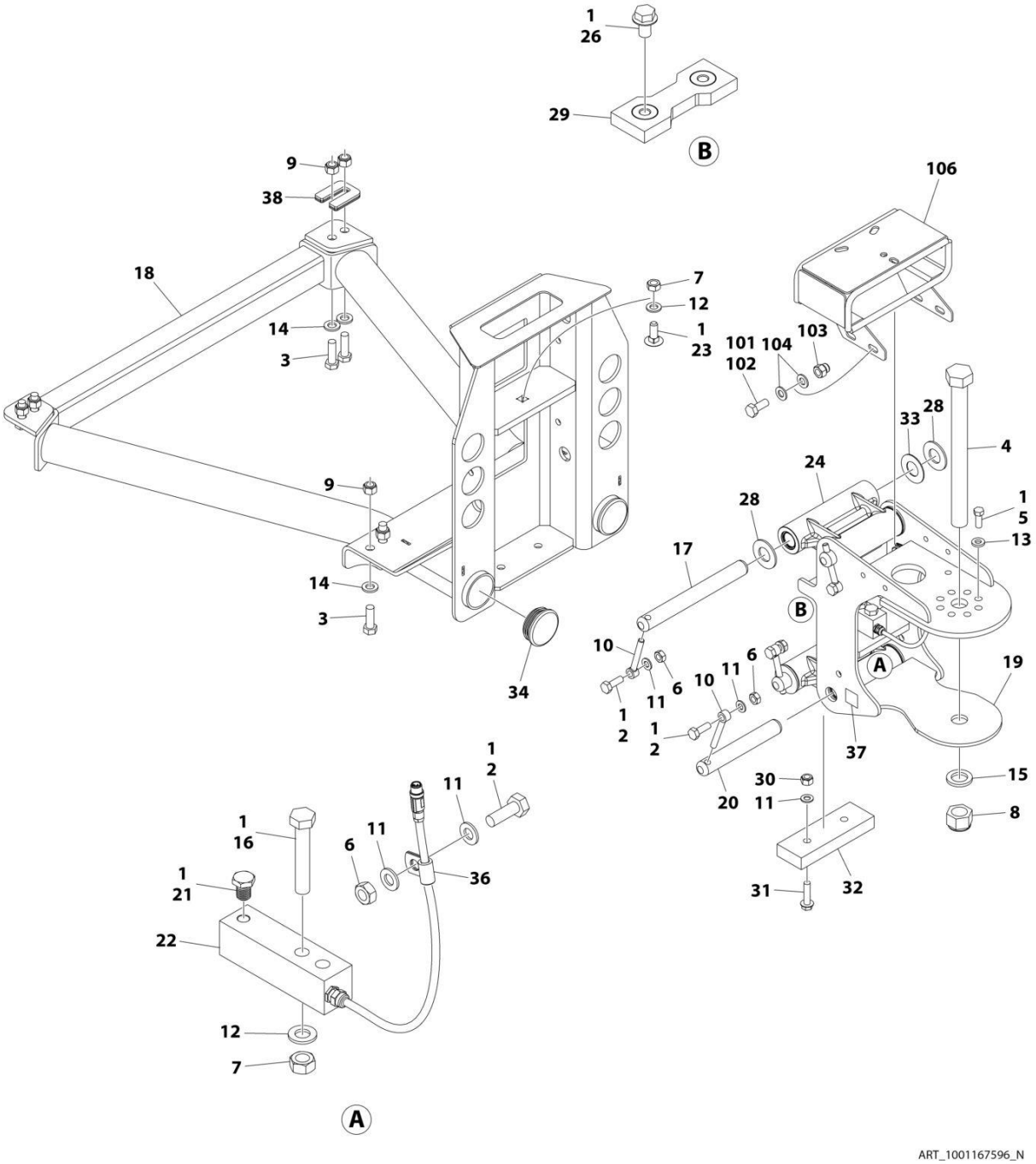


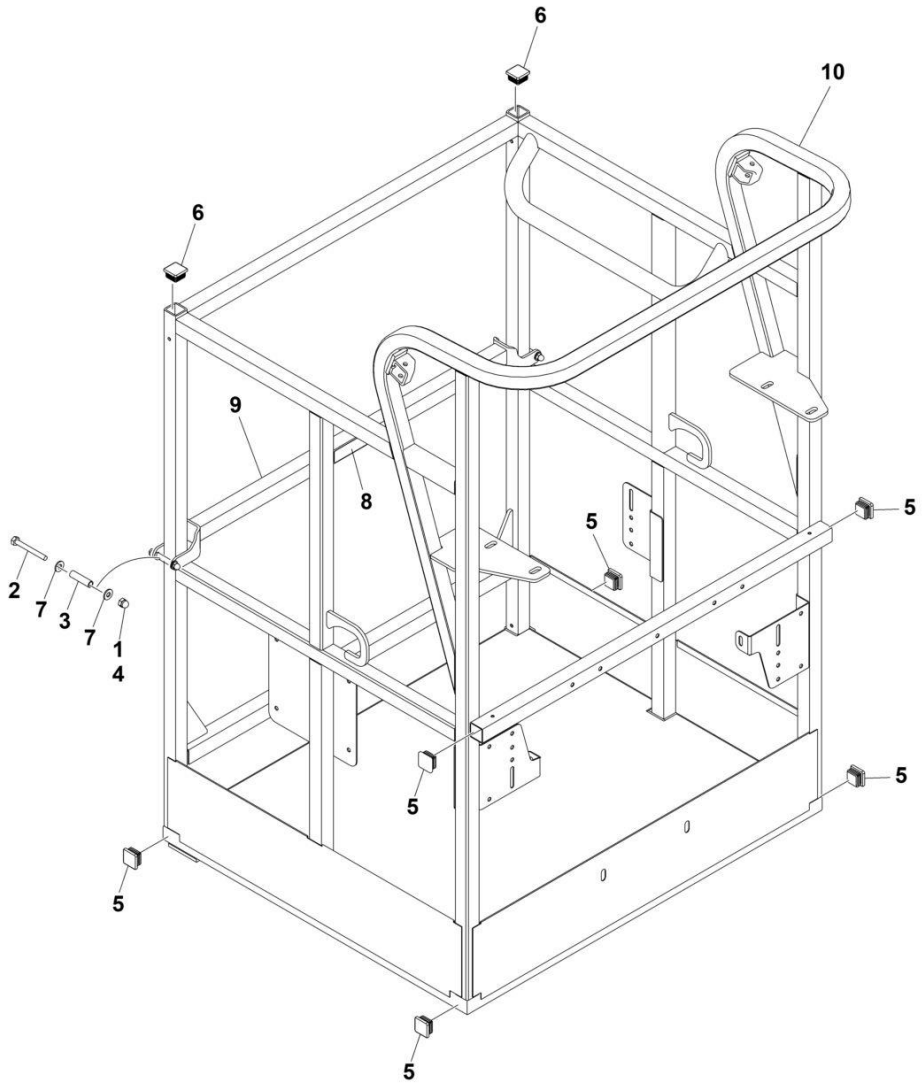
FIGURE 4-20. PLATFORM SUPPORT INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001167596	Ref	PLATFORM SUPPORT INSTALLATION	N
1	0100011	AR	Compound, Locking	
2	0761014	5	Bolt M10 x 30	
3	0761216	8	Bolt M12 x 40	
4	1001255133	1	Bolt 1 x 11 GRD8	
5	0681608	8	Bolt 3/8 x 1 GRD8	
6	3291001	5	Nut M10	
7	3291201	3	Nut M12	
8	1001174040	1	Nut 1	
9	3291205	8	Nut M12	
10	3841143	4	Keeper, Pin	
11	4812000	8	Washer M10	
12	4812100	3	Washer M12	
13	4891600	8	Washer 3/8	
14	5241200	8	Washer M12	
15	4892600001	1	Washer 1	
16	1001098828	2	Bolt M12 x 70 CL10.9	
17	1001167565	2	Pin	
18	1001200494	1	Support, Platform	
19	1001167567	1	Support, Rotator	
20	1001168402	2	Pin	
21	1001188622	1	Screw	
22	1001247468	1	Loadcell	
23	1001188844	1	Bolt M12 x 35	
24	1001201351	2	Link	
24	1001187382	4	Bearing	
24	1001187383	4	Seal	
26	5251008	2	Bolt M10 x 16 CL10.9	
28	1001189002	8	Bearing	
29	1001190985	1	Pad, Wear	
30	3291005	2	Nut M10	
31	5251016	2	Bolt M10 x 40 CL10.9	
32	1001200491	1	Pad, Wear	
33	1001189001	4	Bearing	
34	1001204725	2	Plug	
36	91203039	1	Clamp	
37	1001216630	2	Decal - Tie Down/No Lift	
38	1001238421	Ref	Kit, Platform Leveling (Not Shown)	
	1001202687	Ref	VALVE MOUNT INSTALLATION	B
101	0100011	AR	Compound, Locking	
102	0760810	4	Bolt M8 x 20	
103	3290806	4	Nut M8	
104	4811900	8	Washer M8	
106	1001208994	1	Mount, Valve	

SECTION 5 - PLATFORM

SECTION 5 - PLATFORM

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY



ART_1001228215

FIGURE 5-1. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - DROP BAR ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228215	Ref	PLATFORM ASSEMBLY	A
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3300151	2	Nut 1/4	
5	3520072	6	Cap, Plug	
6	3520198	2	Cap, Plug	
7	4711400	4	Washer 1/4	
8	1001140429	1	Decal - Drop Bar	
9	1001226872	1	Bar, Drop	
10	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE

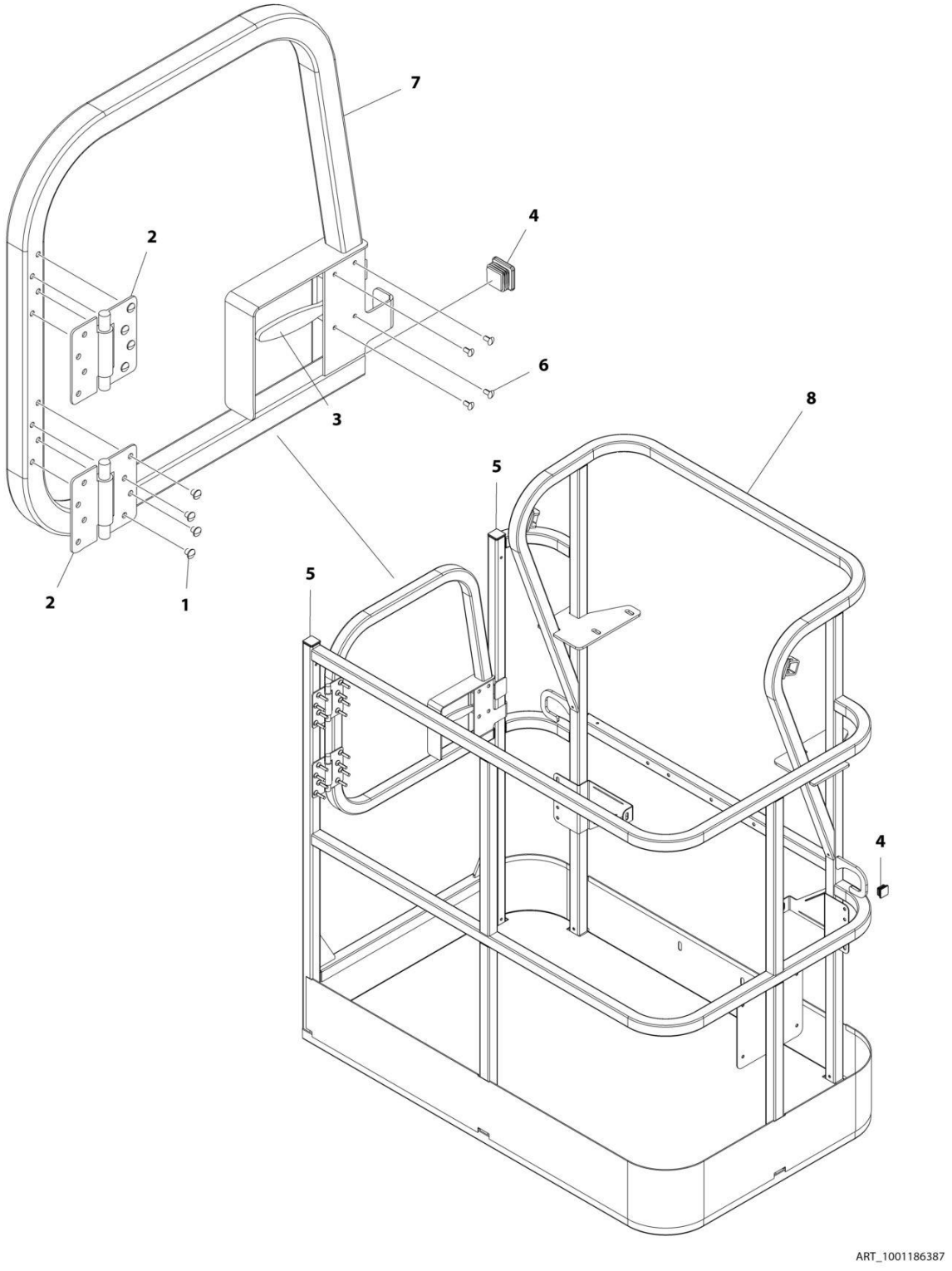


FIGURE 5-2. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186387	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR

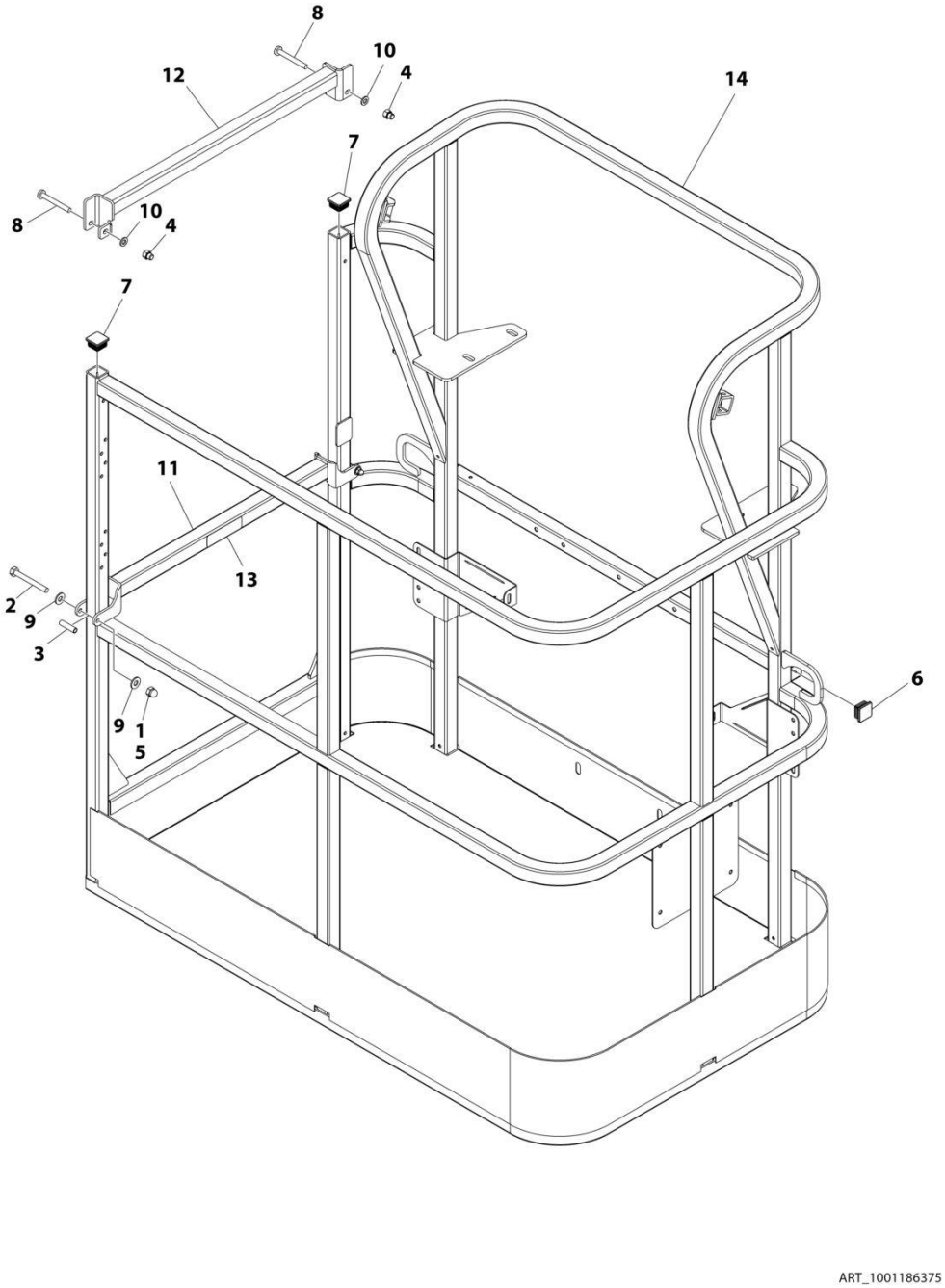


FIGURE 5-3. PLATFORM ASSEMBLY - 30IN X 4FT (76CM X 1.22M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186375	Ref	PLATFORM ASSEMBLY	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail - Top	
13	1001140429	1	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE

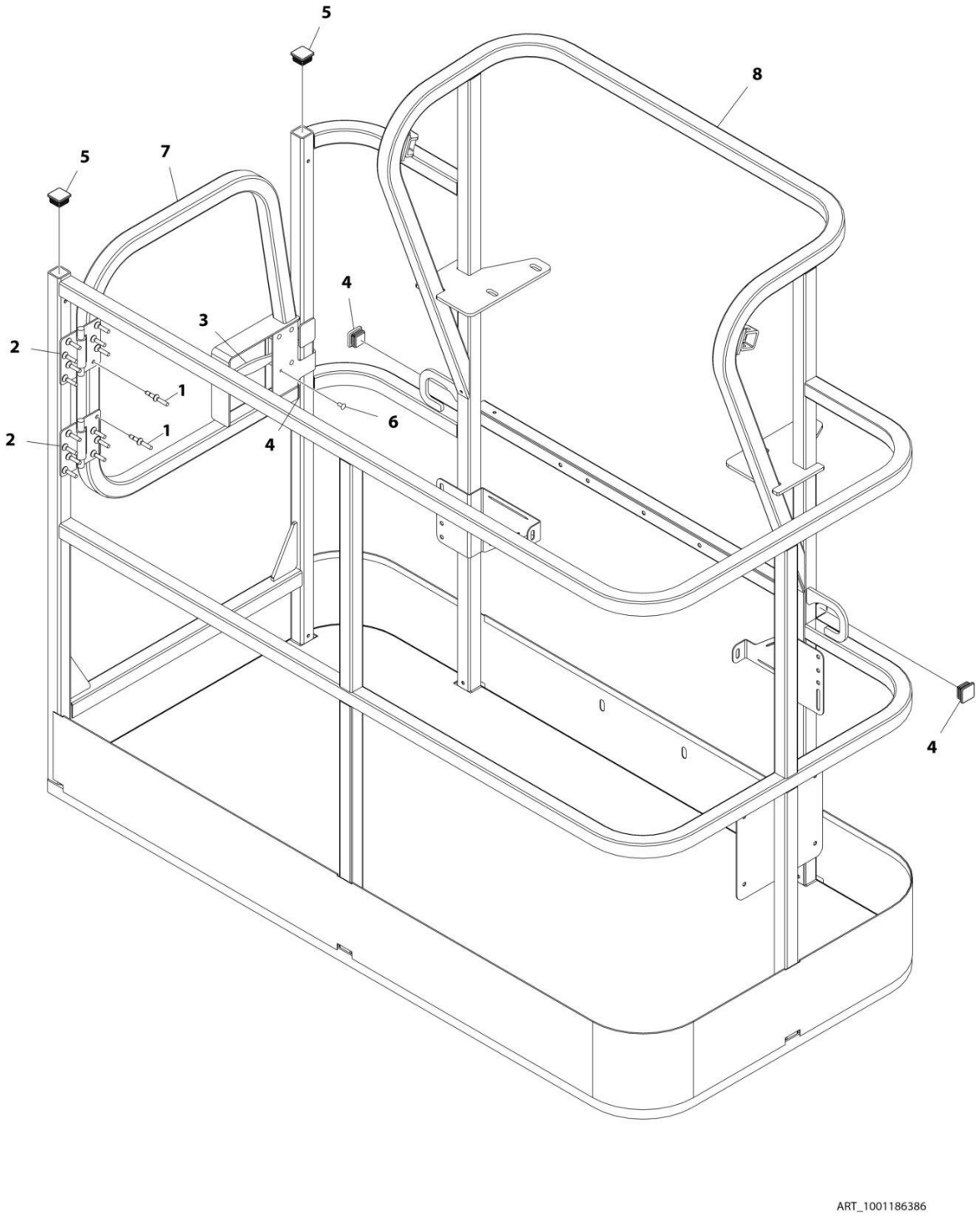


FIGURE 5-4. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186386	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge, Self-Closing	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH DROP BAR

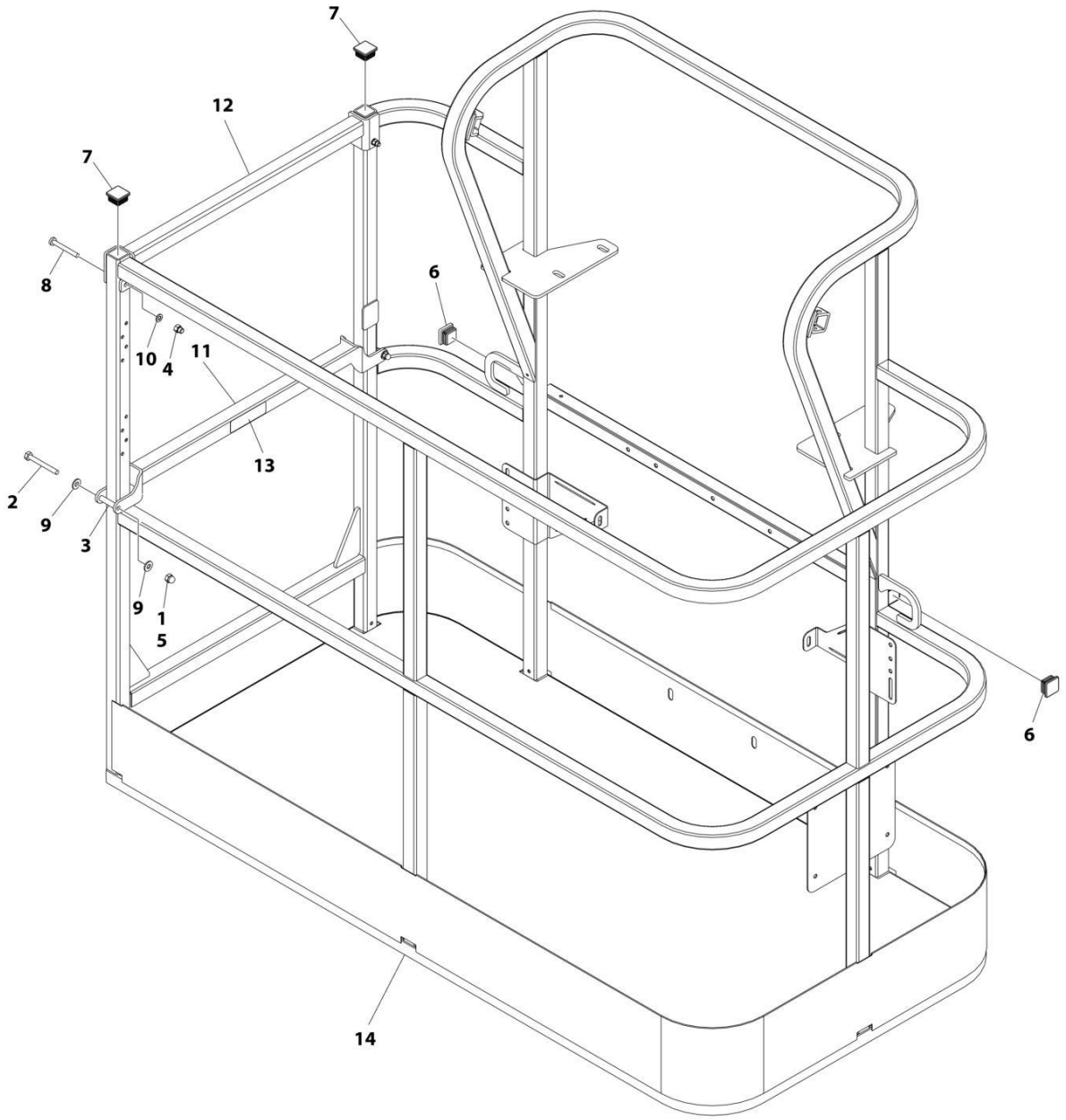


FIGURE 5-5. PLATFORM ASSEMBLY - 30IN X 5FT (76CM X 1.52M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186377	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641420	2	Bolt 1/4 x 2-1/2	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

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FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

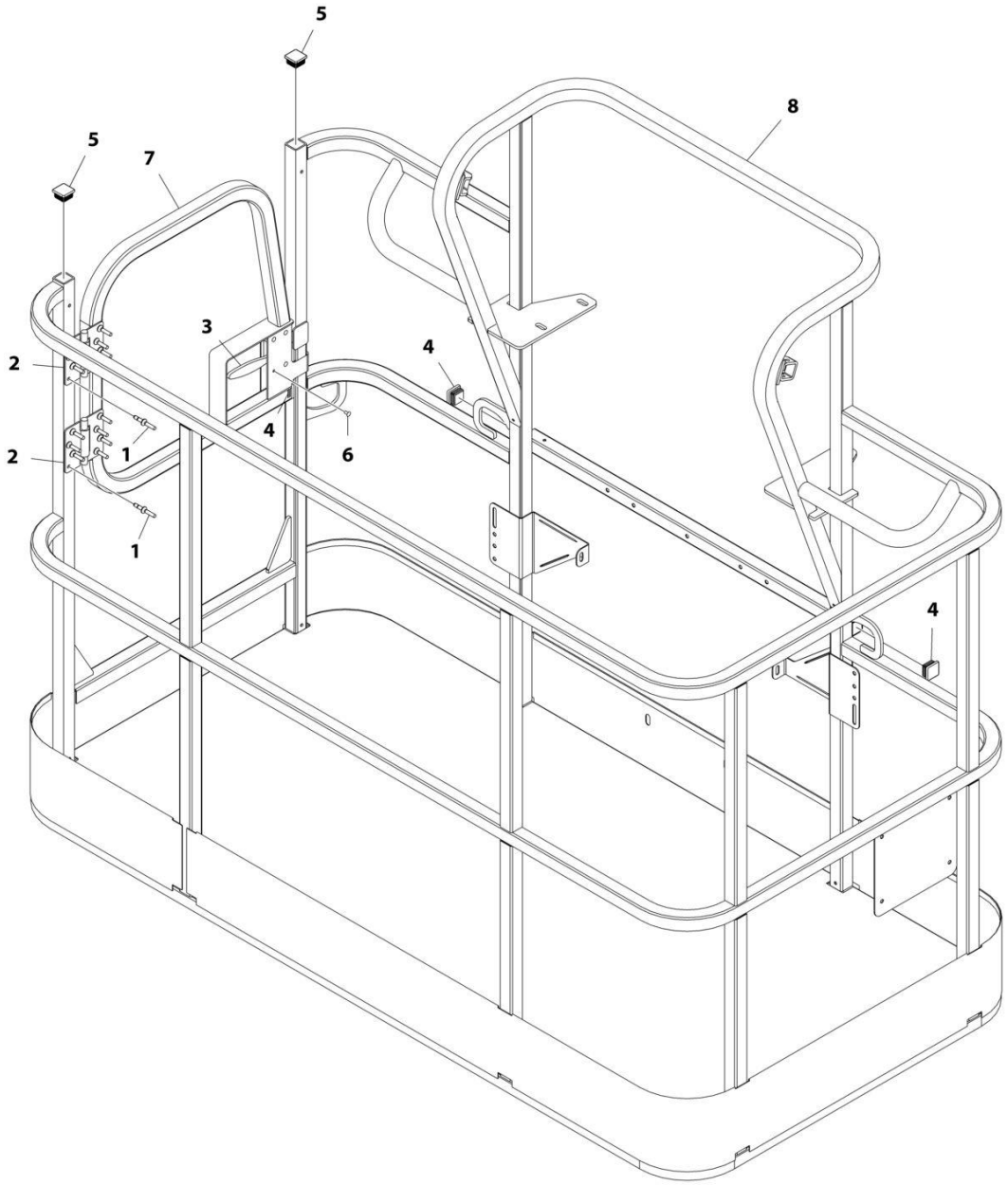


FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186384	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE	C
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

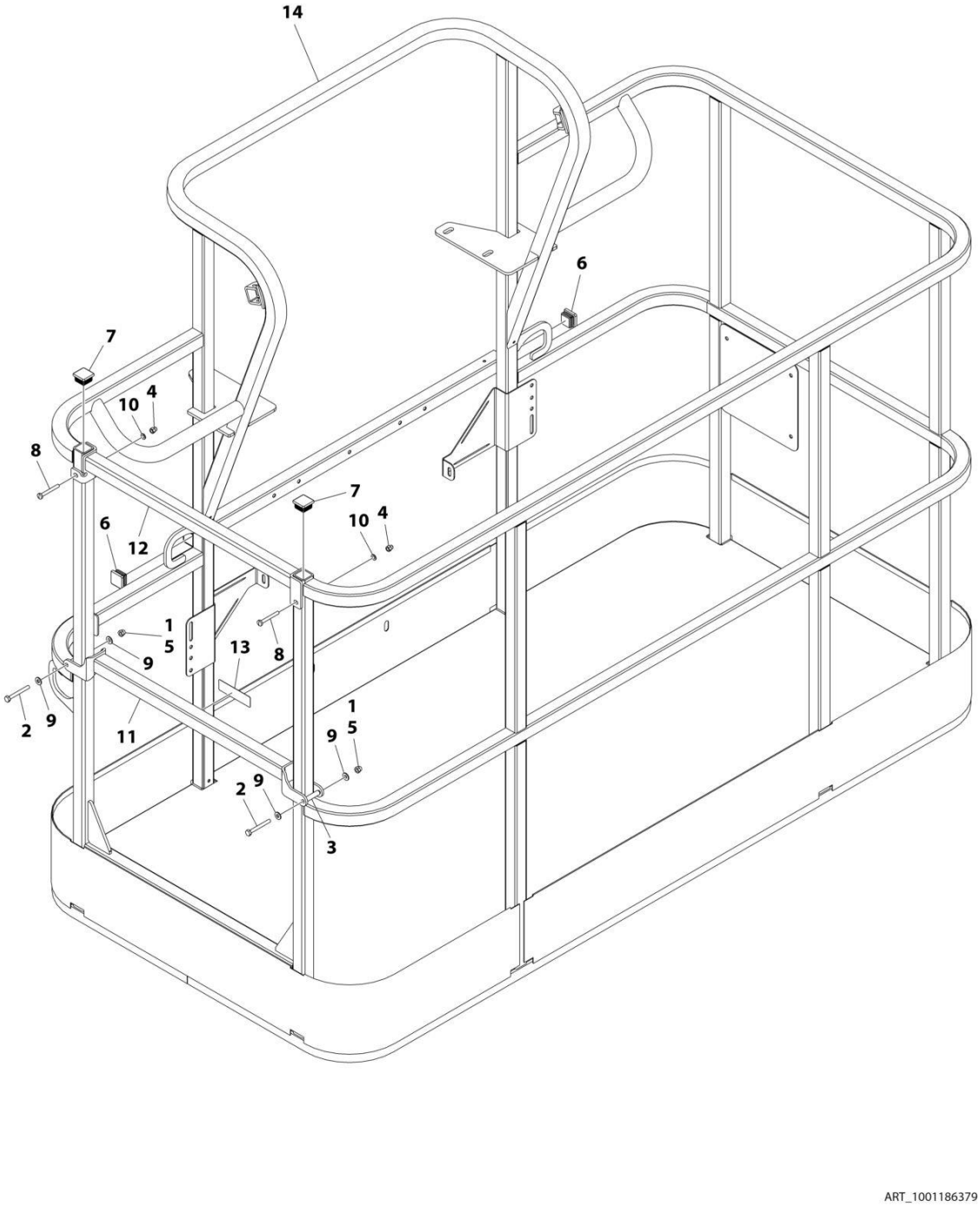


FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186379	Ref	PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR (SHIPYARD MACHINES)

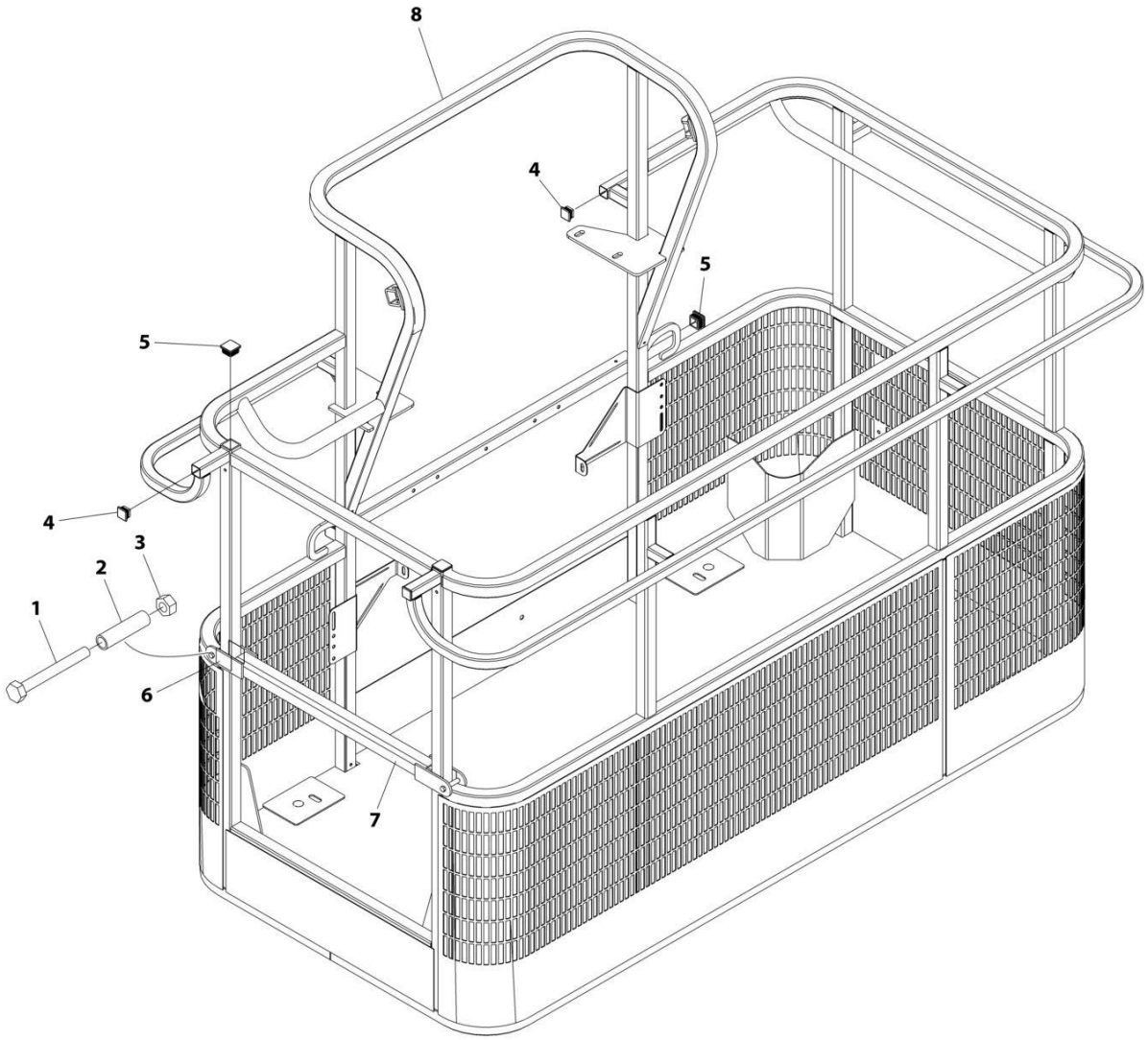


FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR (SHIPYARD MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186374	Ref	PLATFORM ASSEMBLY	B
1	0641418	2	Bolt 1/4 x 2 - 1/4	
2	0961845	2	Bushing	
3	3311405	2	Nut 1/4	
4	3520182	4	Plug	
5	3520198	4	Plug	
6	4420055	4	Tape	
7	1001111346	1	Drop - Bar	
8	See Note	1	Platform (Note: Purchase Complete Assembly)	

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FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ANSI, ANSI EXPORT, CHINA AND CSA SPECS)

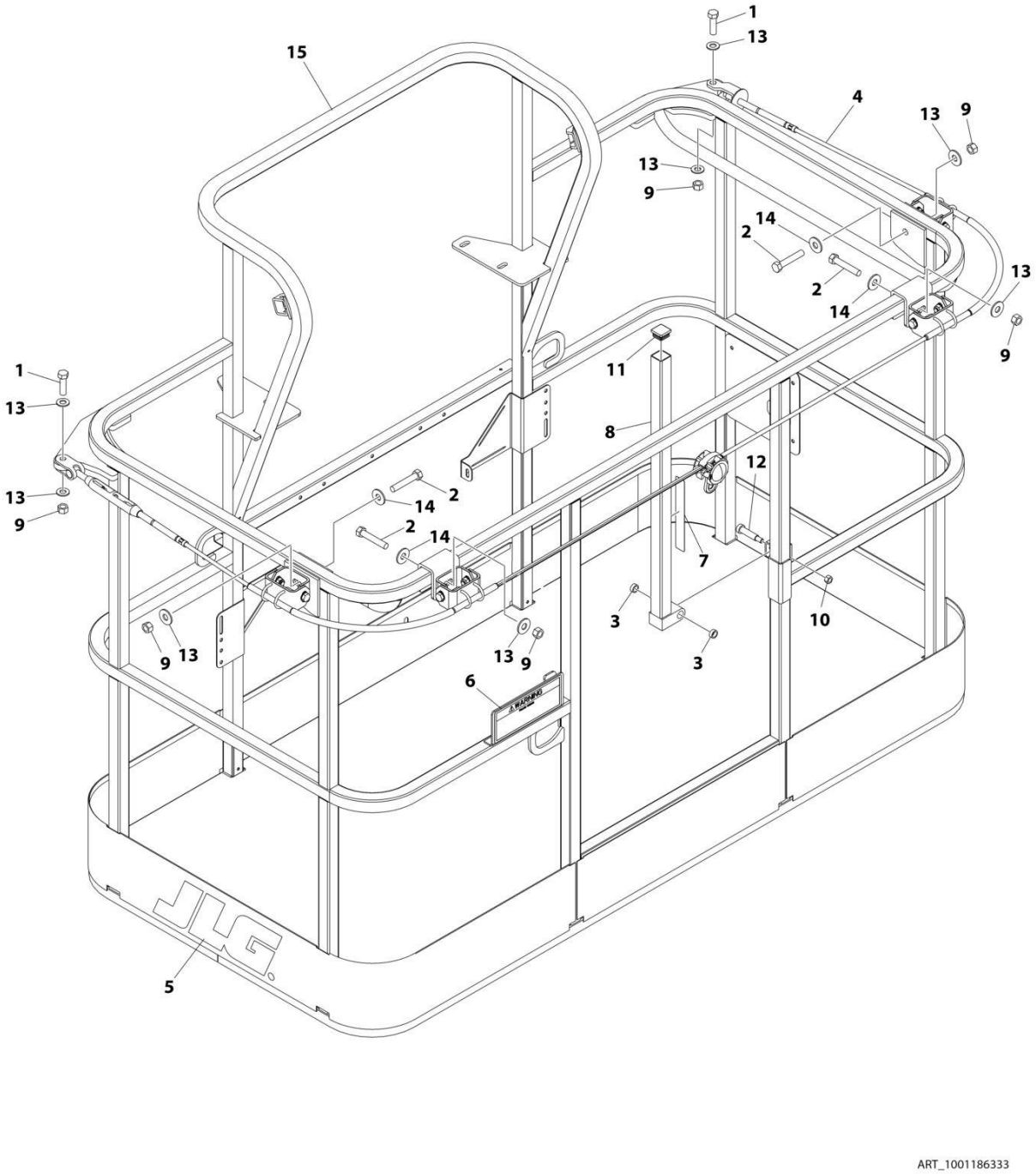


FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ANSI, ANSI EXPORT, CHINA AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186333	Ref	PLATFORM ASSEMBLY	C
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	4	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1001203655	1	Cable	
5	1702773	1	Decal - JLG	
6	1705014	1	Decal - Safety	
7	1706385	1	Decal - Drop Bar	
8	2410014	1	Bar, Drop	
9	3271805	6	Nut 1/2 Grade 8	
10	3311605	1	Nut 3/8	
11	3520072	1	Plug	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	8	Washer 1/2	
14	4751800	4	Washer 1/2	
15	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

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FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

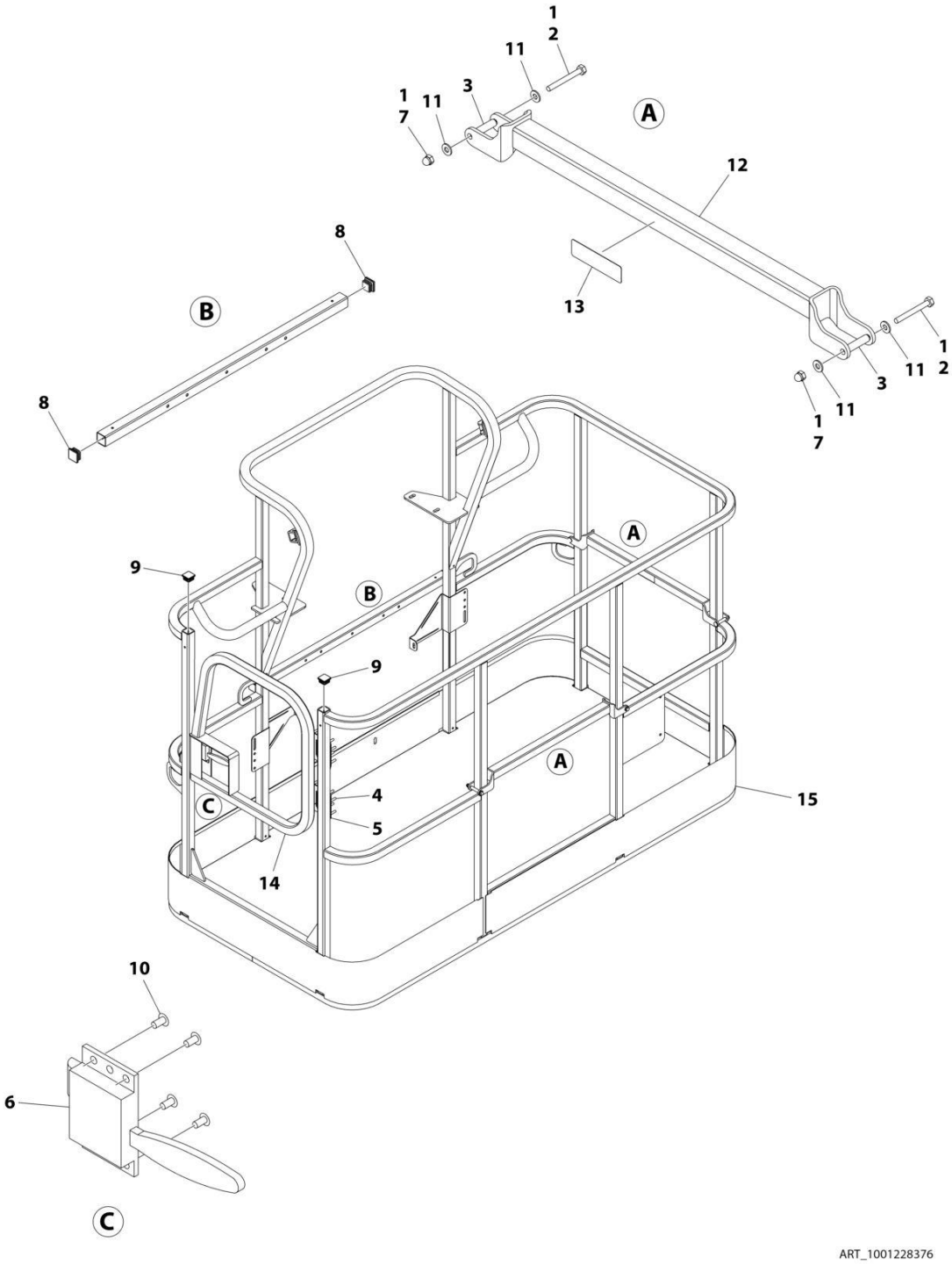


FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228376	Ref	PLATFORM ASSEMBLY - 36IN x 6FT (91.5CM x 1.83M)	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	4	Bolt 1/4 x 2-1/4	
3	0961845	4	Bushing	
4	2080040	16	Fastener	
5	2600281	2	Hinge	
6	2940074	1	Latch	
7	3300151	4	Nut 1/4	
8	3520072	3	Plug	
9	3520198	2	Plug	
10	3820020	4	Rivet	
11	4711400	8	Washer 1/4	
12	1001138494	2	Bar, Drop	
13	1001140429	2	Decal - Drop Bar	
14	1001144629	1	Gate	
15	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

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FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR

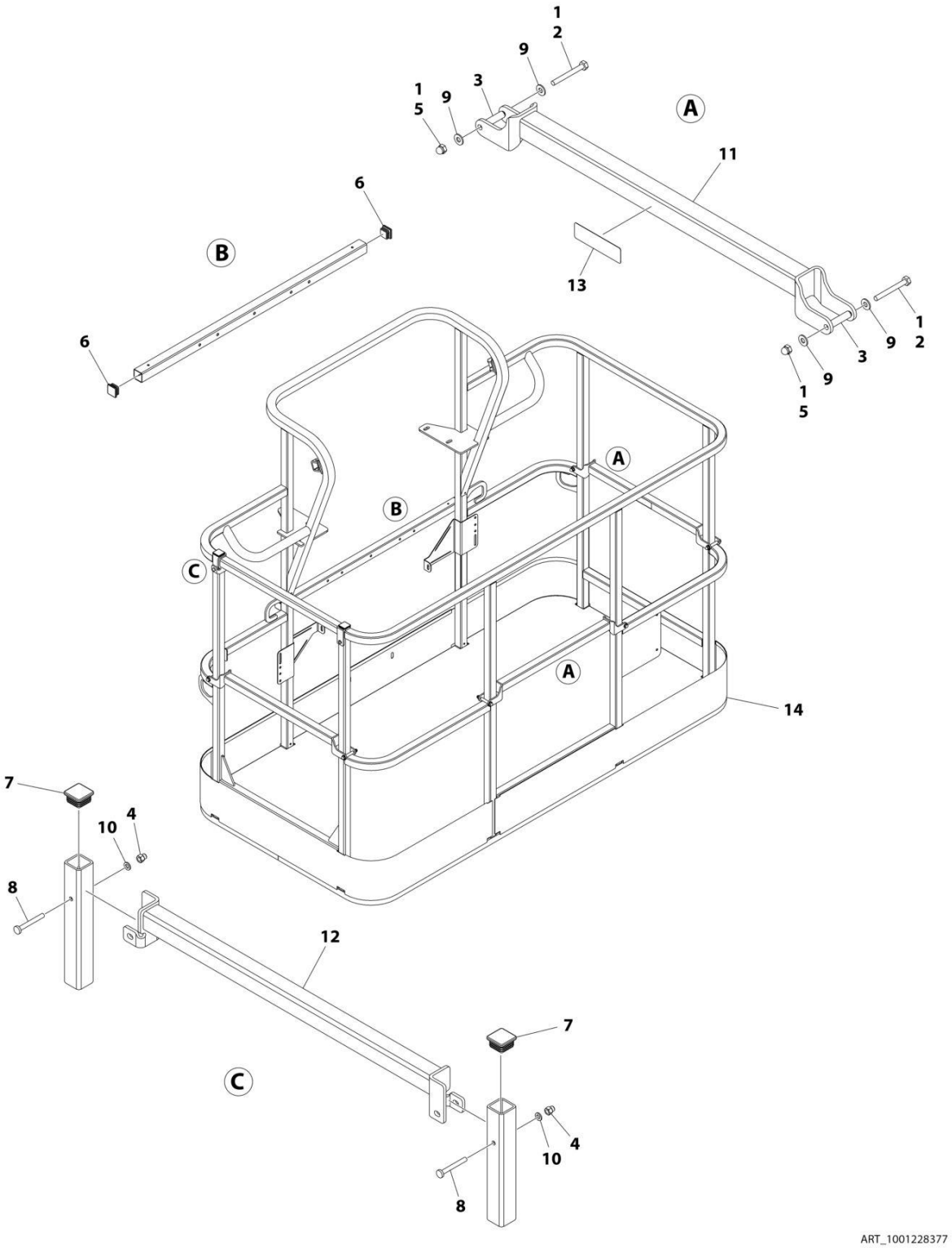


FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228377	Ref	PLATFORM ASSEMBLY - 36IN x 6FT (91.5CM x 1.83M)	B
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	1	Compound, Locking	
2	0641418	6	Bolt 1/4 x 2-1/4	
3	0961845	6	Bushing	
4	3290606	2	Nut M6	
5	3300151	6	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	12	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	3	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	3	Decal - Drop Bar	
14	See Note	NSS	Platform, Weldment (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

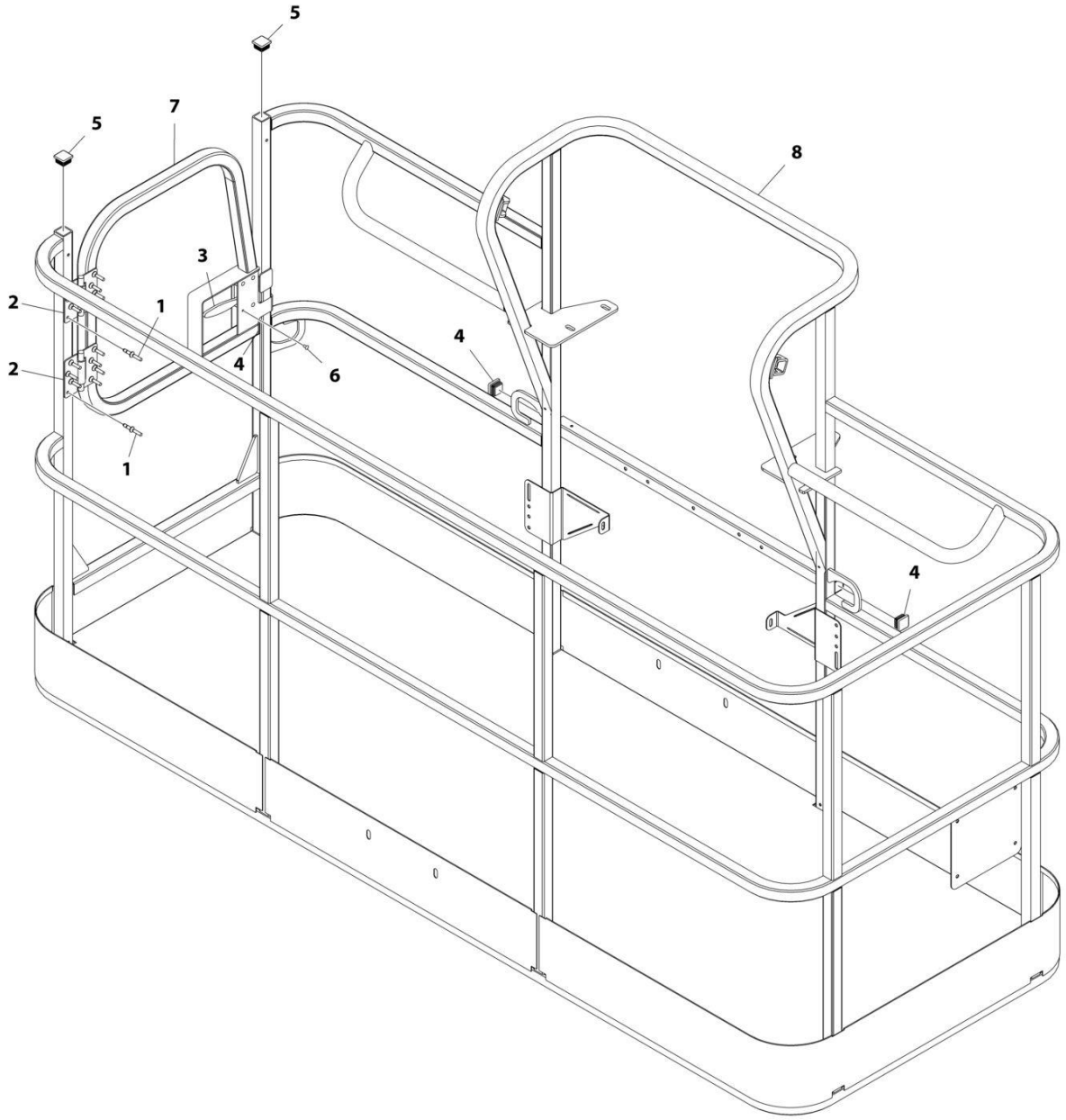


FIGURE 5-12. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186383	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	D
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3520072	3	Plug	
5	3520198	2	Plug	
6	3820020	4	Rivet	
7	1001144629	1	Gate	
8	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

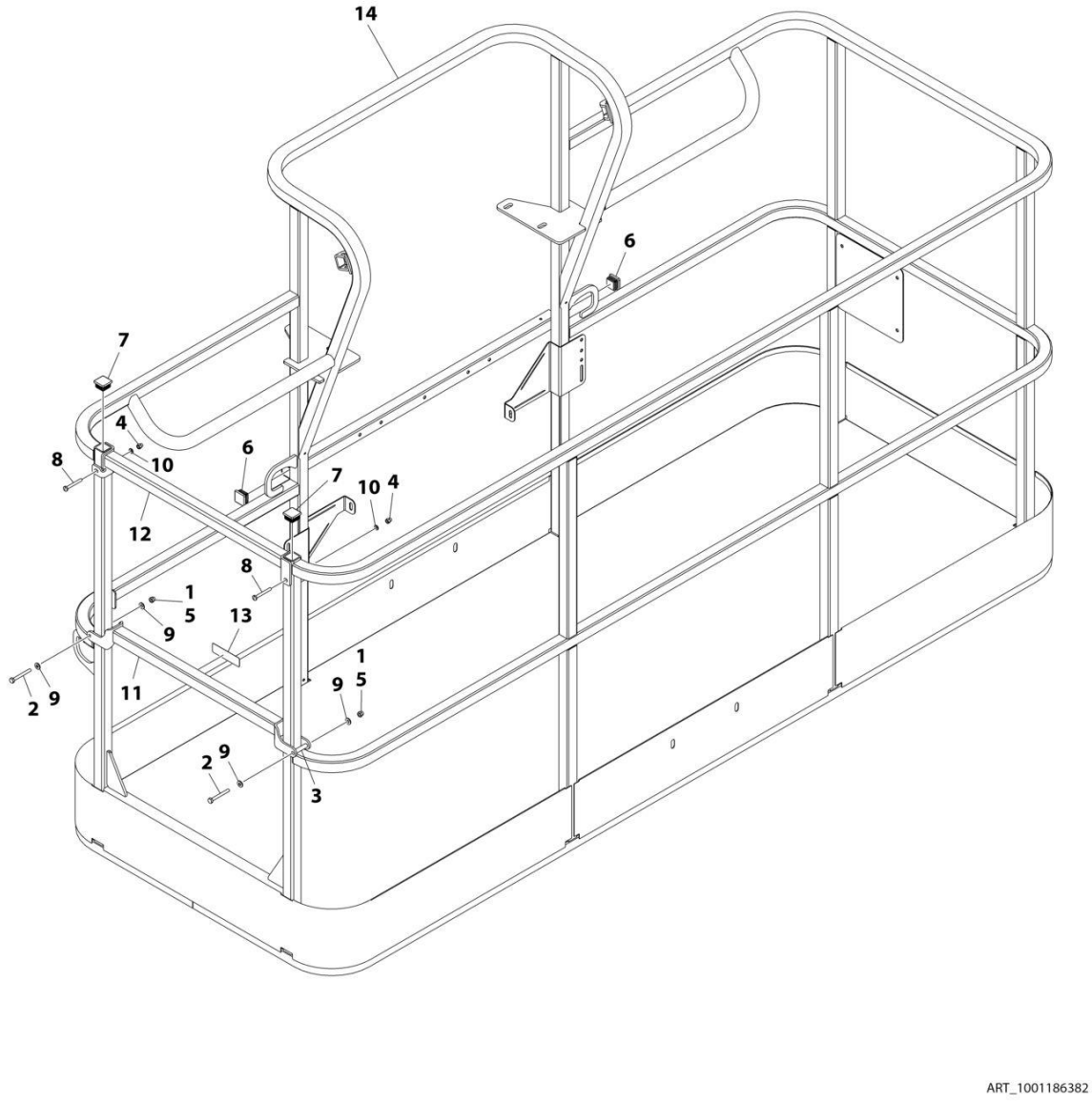


FIGURE 5-13. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186382	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	C
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	3520072	2	Plug	
7	3520198	2	Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	4	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	1	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	1	Decal - Drop Bar	
14	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-14. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST

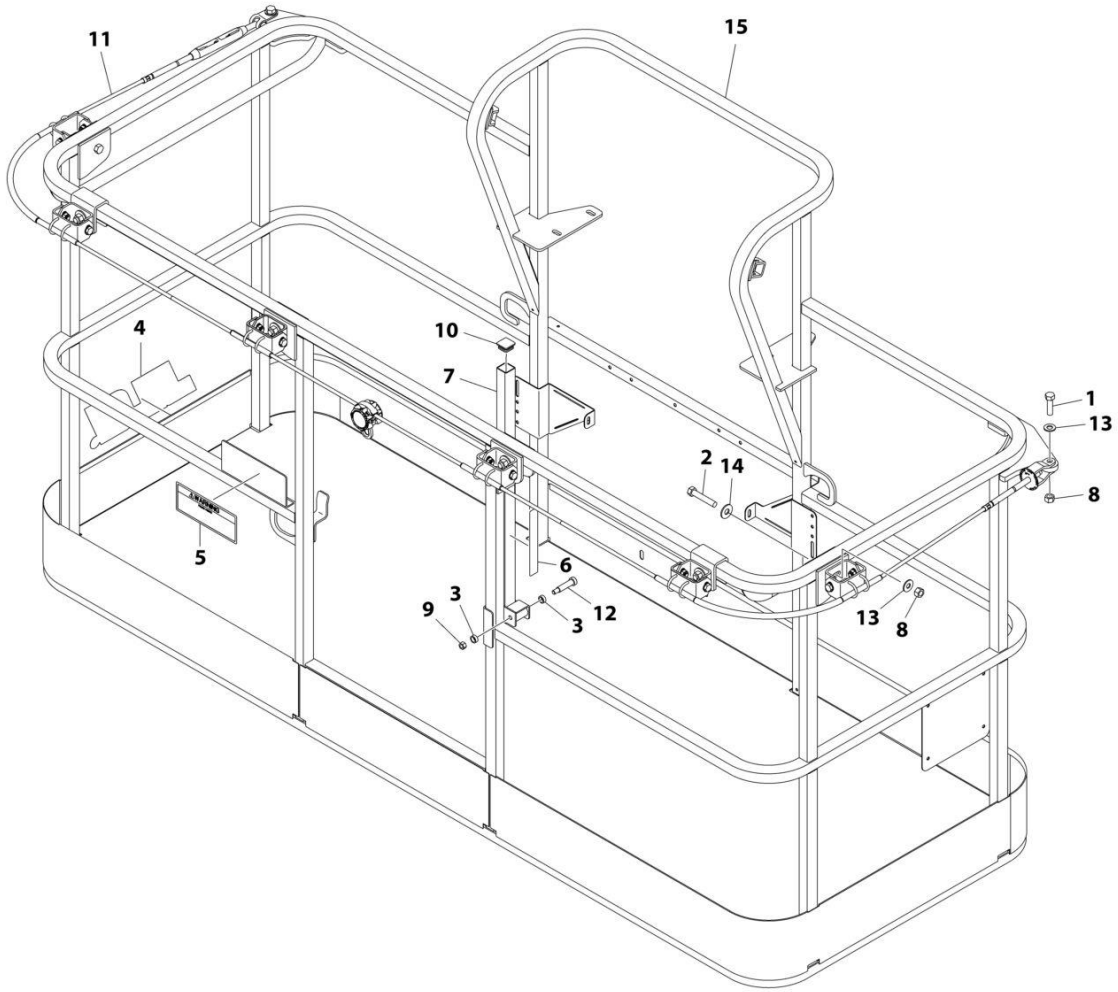


FIGURE 5-14. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001186334	Ref	PLATFORM ASSEMBLY	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0681814	2	Bolt 1/2 x 1-3/4 Grade 8	
2	0681822	6	Bolt 1/2 x 2-3/4 Grade 8	
3	0962270	2	Bearing	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	1706385	1	Decal - Drop Bar	
7	2410014	1	Bar, Drop	
8	3271805	8	Nut 1/2 Grade 8	
9	3311605	1	Nut 3/8	
10	3520072	1	Plug	
11	1001203656	1	Cable	
12	3900054	1	Bolt 1/2 x 1-3/4	
13	4711800	2	Washer 1/2	
14	4751800	6	Washer 1/2	
15	See Note	NSS	Platform (Note: Purchase Platform Assembly)	

SECTION 5 - PLATFORM

FIGURE 5-15. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

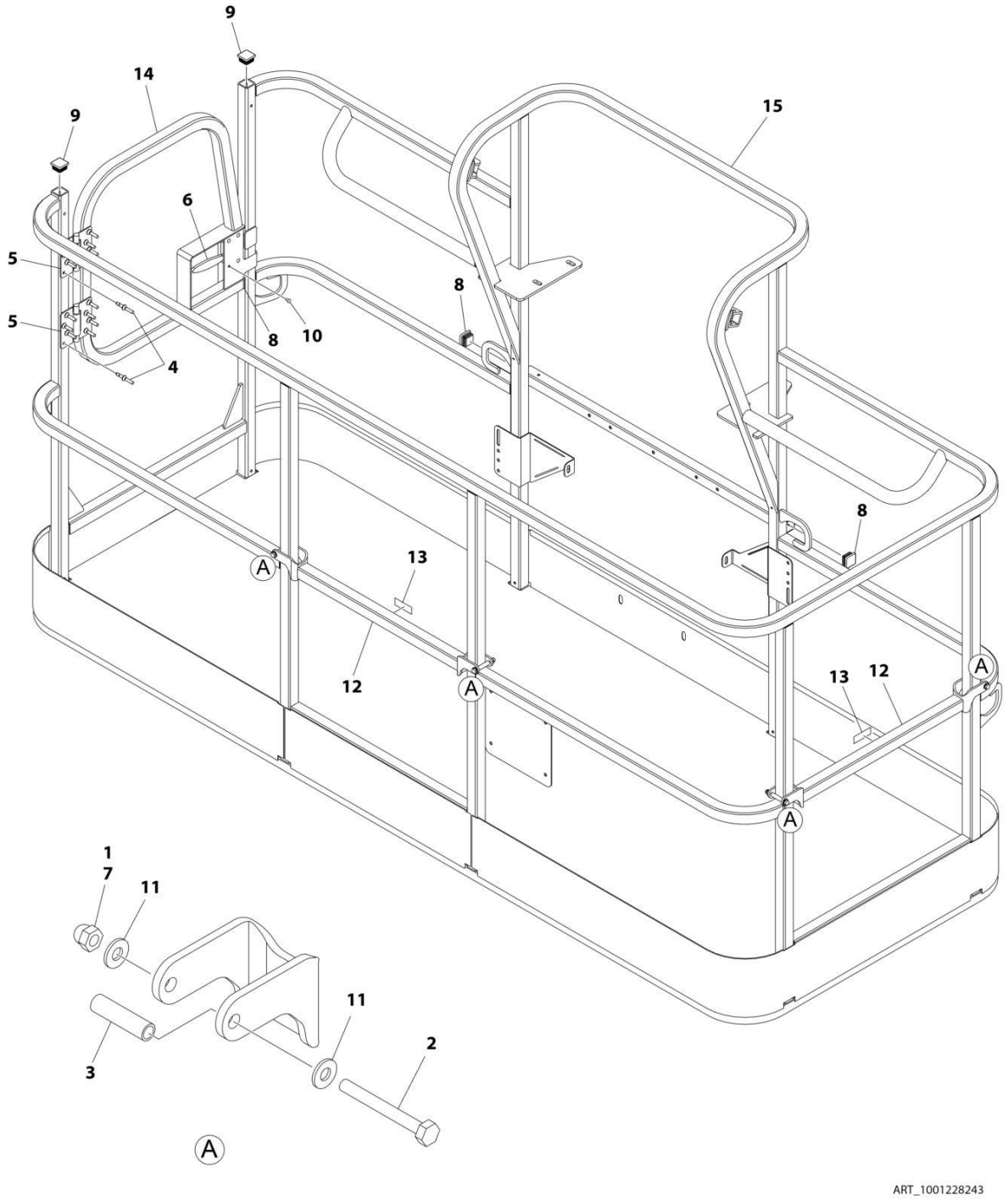


FIGURE 5-15. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH SWING GATE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228243	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY	A
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
1	0100011	AR	Compound, Locking	
2	0641418	4	Bolt 1/4 x 2-1/4	
3	0961845	4	Bushing	
4	2080040	16	Fastener, Huck	
5	2600281	2	Hinge, Self-Closing	
6	2940074	1	Latch	
7	3300151	4	Nut 1/4	
8	3520072	3	Cap, Plug	
9	3520198	2	Cap, Plug	
10	3820020	4	Rivet	
11	4711400	8	Washer 1/4	
12	1001138494	2	Bar, Drop	
13	1001140429	2	Decal - Drop Bar	
14	1001144629	1	Gate, Weldment	
15	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-16. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR

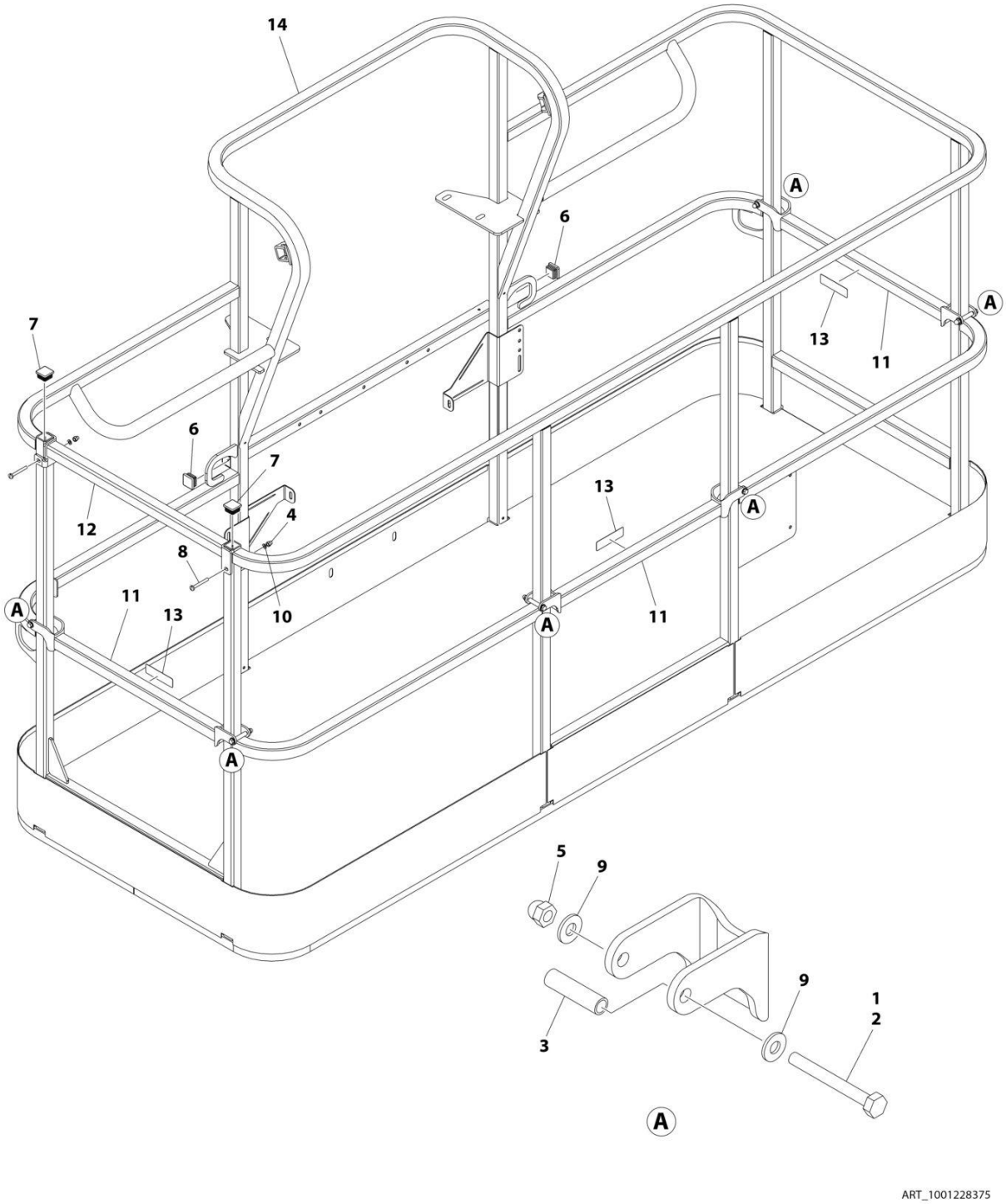


FIGURE 5-16. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROP BAR

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228375	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH TRI-ENTRY	A
		Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	6	Bolt 1/4 x 2-1/4	
3	0961845	6	Bushing	
4	3290606	2	Nut M6 x 1	
5	3300151	6	Nut 1/4	
6	3520072	2	Cap, Plug	
7	3520198	2	Cap, Plug	
8	4010618	2	Screw M6 x 50	
9	4711400	12	Washer 1/4	
10	4811700	2	Washer M6	
11	1001138494	3	Bar, Drop	
12	1001138514	1	Rail (Top)	
13	1001140429	3	Decal - Drop Bar	
14	See Note	1	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-17. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE (MACHINES WITH SN STARTING WITH B3)

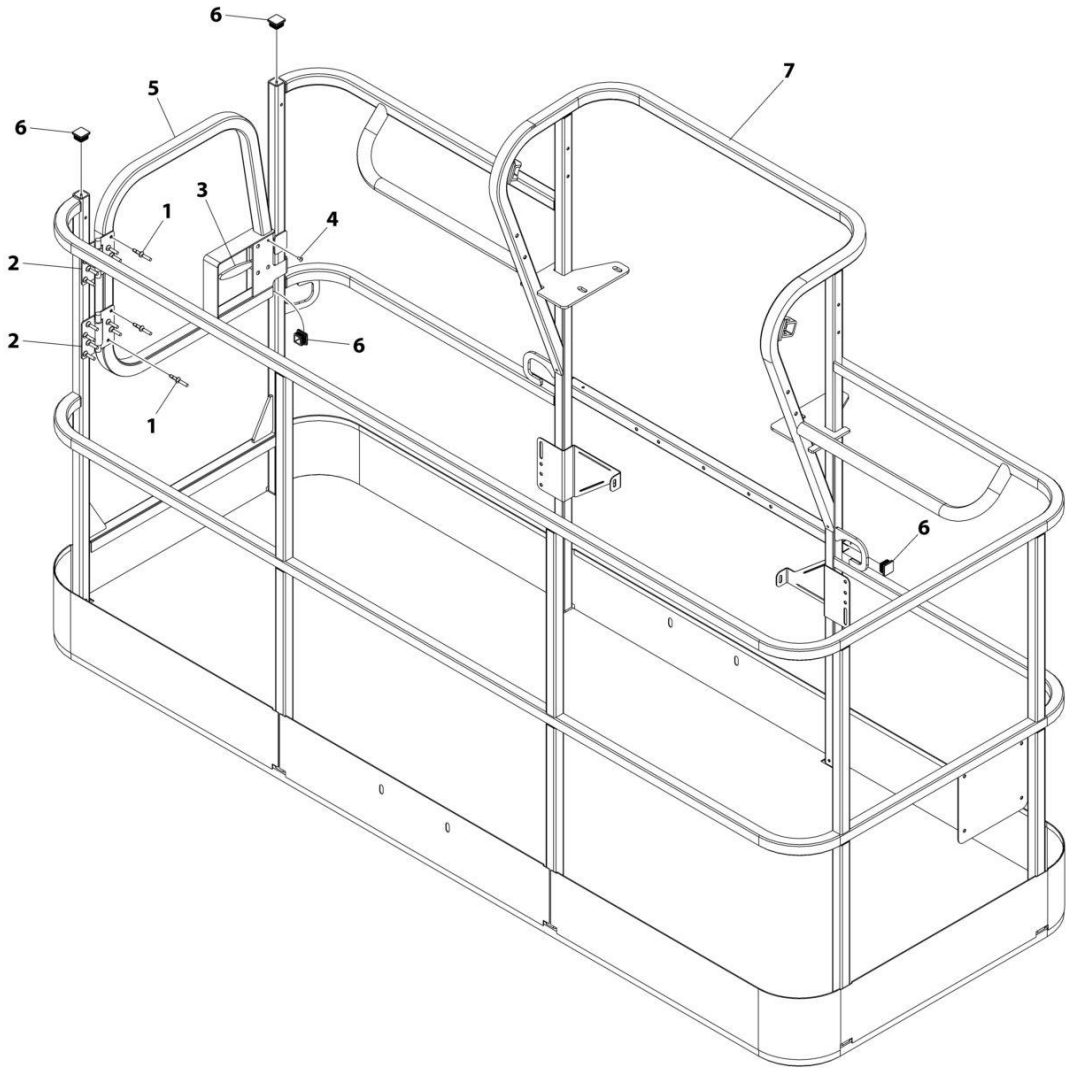


FIGURE 5-17. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188308	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE	F
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	2080040	16	Fastener, Huck	
2	2600281	2	Hinge	
3	2940074	1	Latch	
4	3820020	4	Rivet	
5	1001144629	1	Gate	
6	1001145781	5	Plug	
7	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-18. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR (MACHINES WITH SN STARTING WITH B3)

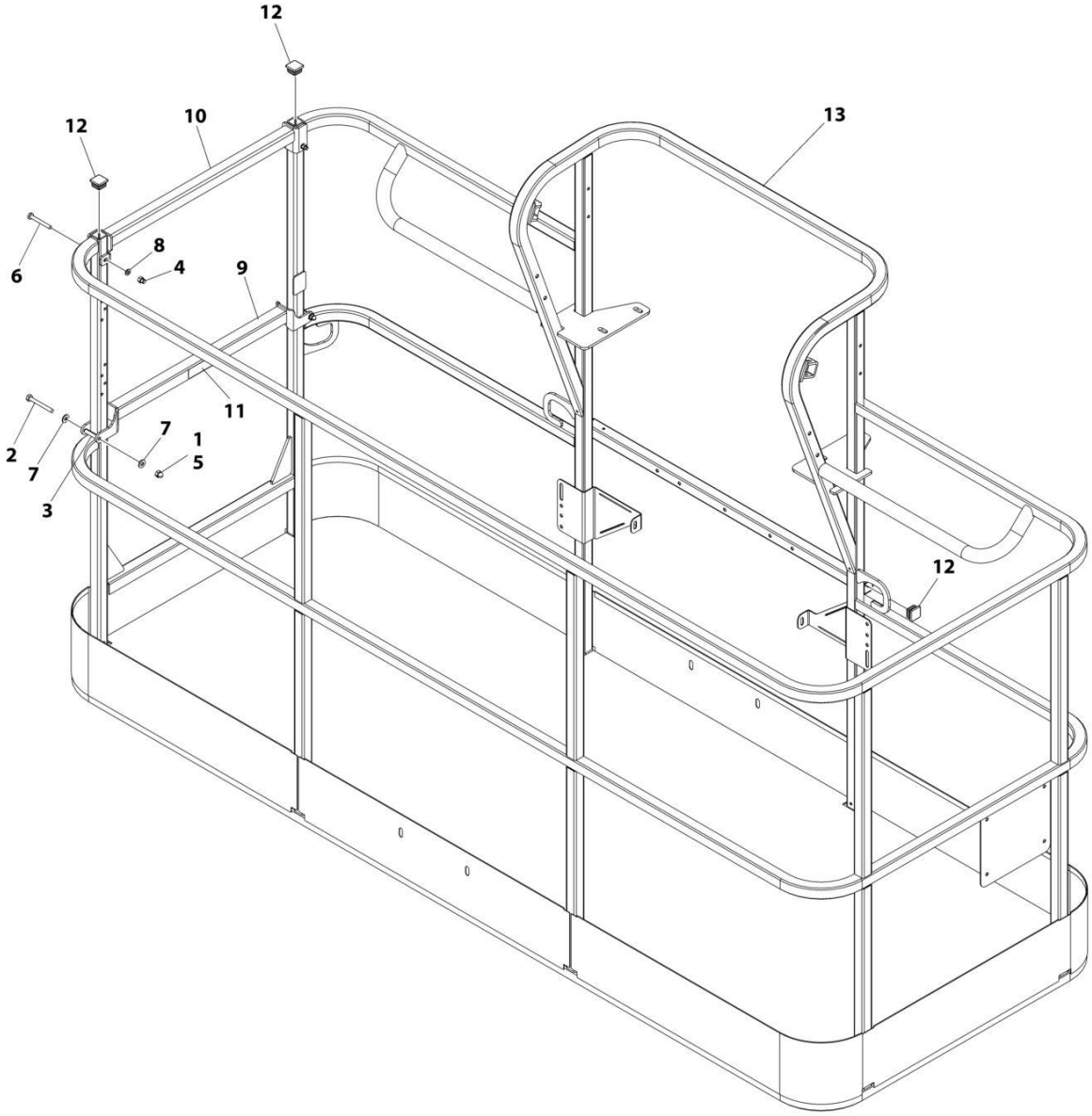


FIGURE 5-18. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188309	Ref	PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR	B
	See Note	Ref	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See SPECIAL OPTIONS SECTION for Mesh Installations.	
	See Note	Ref	Note: Replacement Decals Must be Ordered Separately - See DECALS SECTION.	
1	0100011	AR	Compound, Locking	
2	0641418	2	Bolt 1/4 x 2-1/4	
3	0961845	2	Bushing	
4	3290606	2	Nut M6	
5	3300151	2	Nut 1/4	
6	4010618	2	Screw M6 x 50	
7	4711400	4	Washer 1/4	
8	4811700	2	Washer M6	
9	1001138494	1	Bar, Drop	
10	1001138514	1	Rail (Top)	
11	1001140429	1	Decal - Drop Bar	
12	1001145781	4	Plug	
13	See Note	NSS	Platform (Note: Not Available - Purchase Platform Assembly)	

FIGURE 5-19. TRAY ASSEMBLY

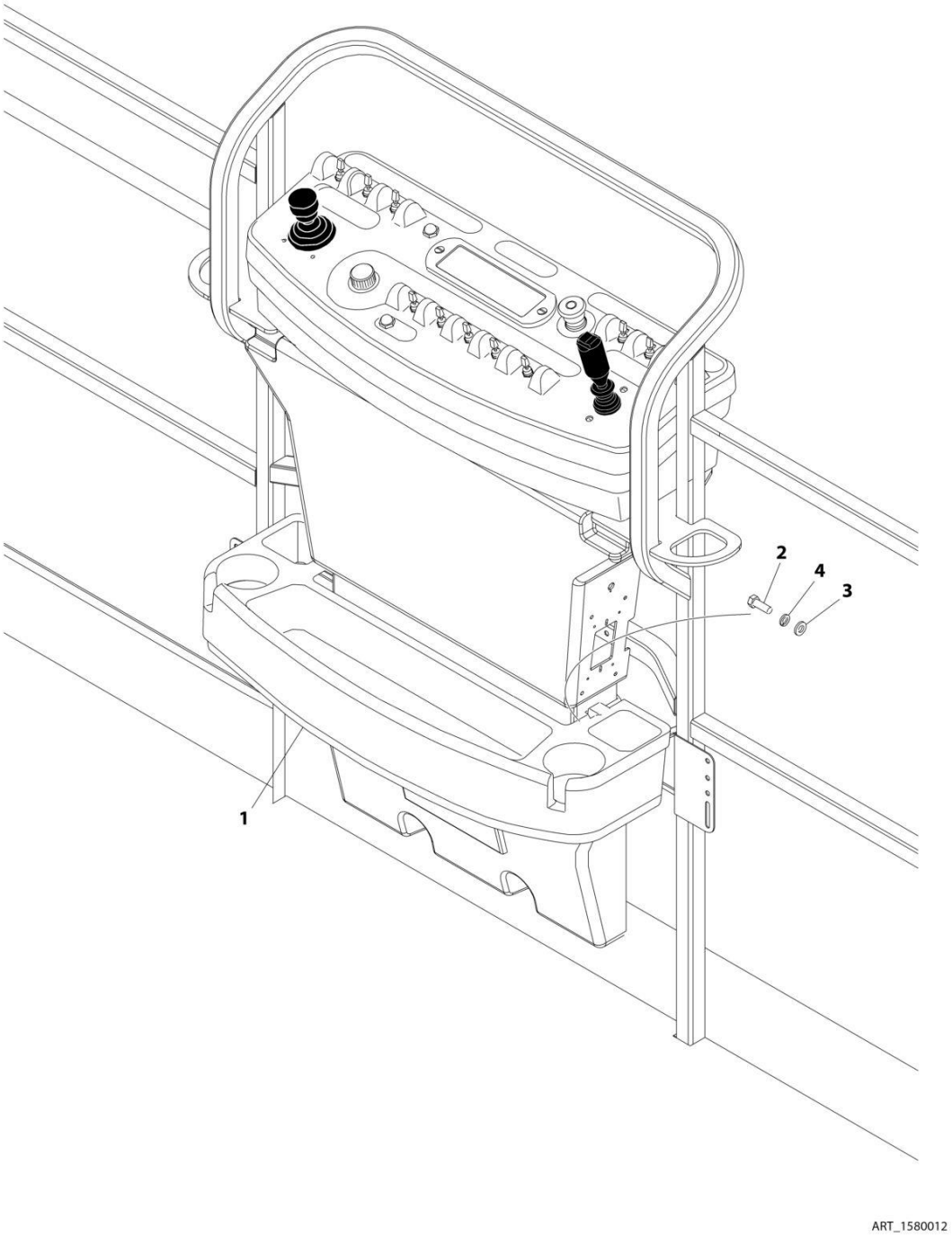


FIGURE 5-19. TRAY ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1580012	Ref	TRAY ASSEMBLY	C
1	See Note	NSS	Tray, Storage (Center) (Note: Purchase p/n 1580012)	
2	0641406	2	Bolt 1/4 x 3/4	
3	4751400	2	Washer 1/4	
4	4761400	2	Washer 1/4	

FIGURE 5-20. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

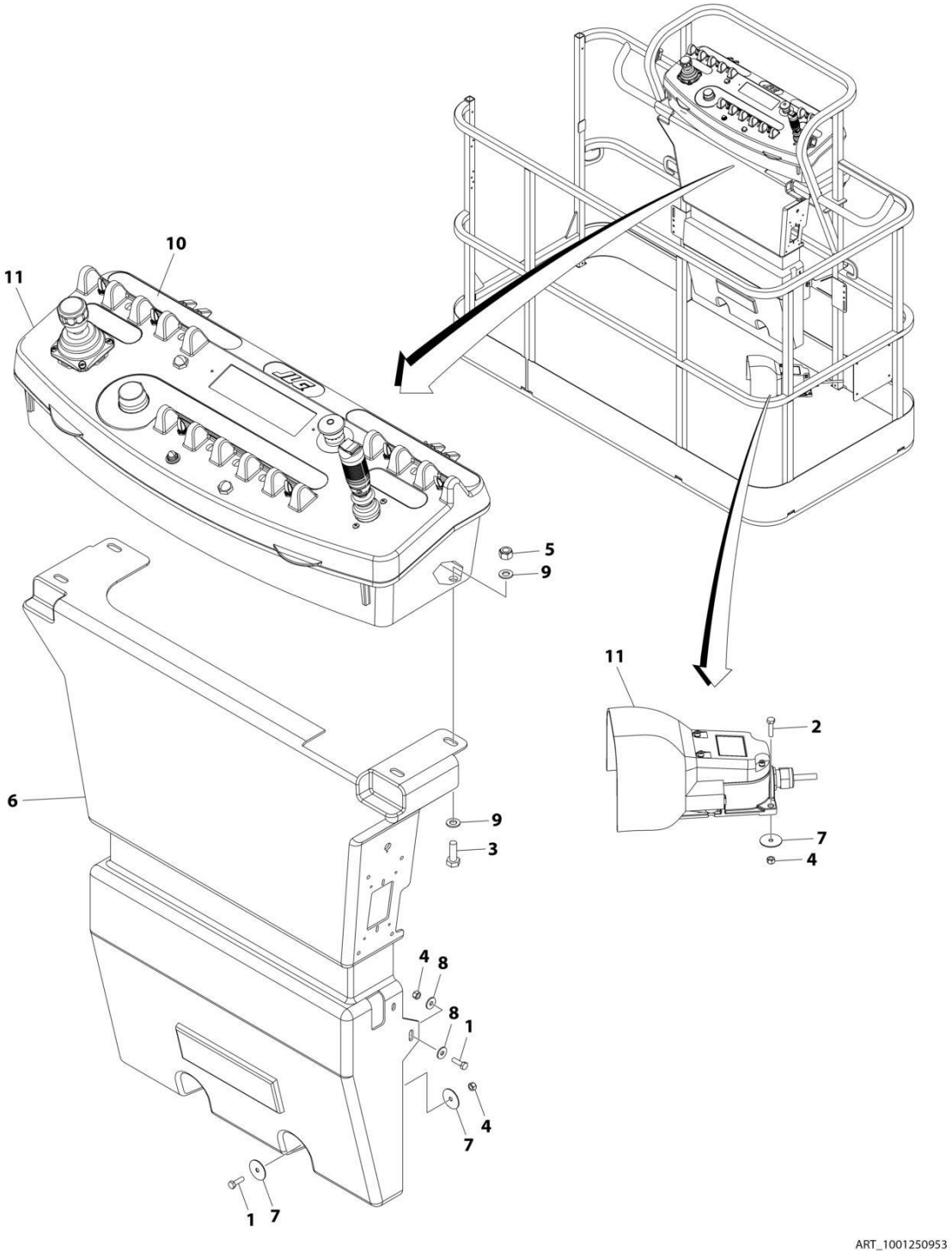


FIGURE 5-20. PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250953	Ref	PLATFORM CONSOLE AND FOOTSWITCH INSTALLATION	B
1	0700610	4	Bolt M6 x 20	
2	0700612	3	Bolt M6 x 25	
3	0701015	4	Bolt M10 x 35	
4	3290605	7	Nut M6	
5	3291005	4	Nut M10	
6	3380434	1	Panel	
7	4740362	7	Washer	
8	4811702	4	Washer M6	
9	4751600	8	Washer 3/8	
10	1001184626	1	Decal - Horn	
11	1001250952	1	Platform Console Assembly (See Separate Breakdown in this Section)	

FIGURE 5-21. CONSOLE BOX ASSEMBLY

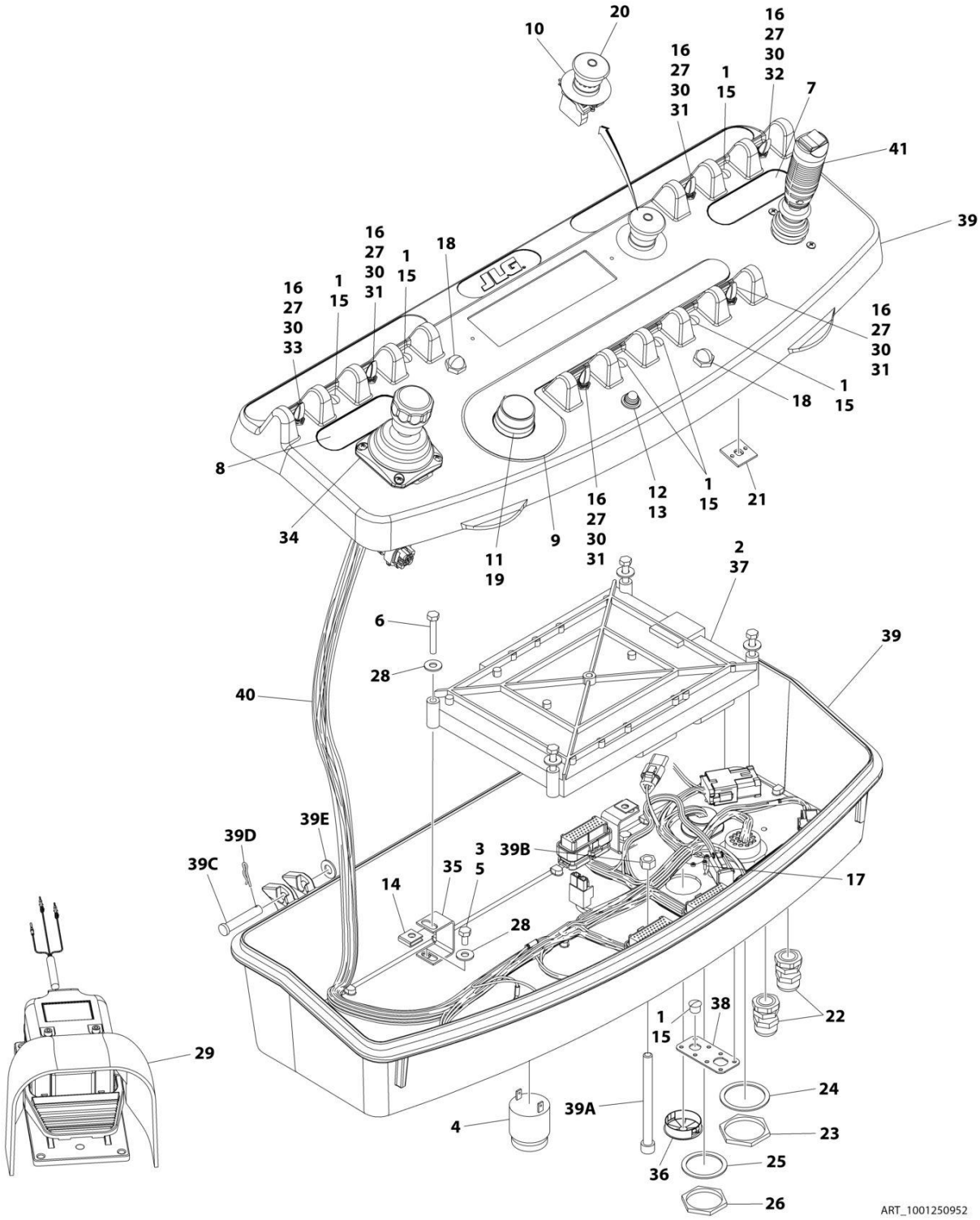


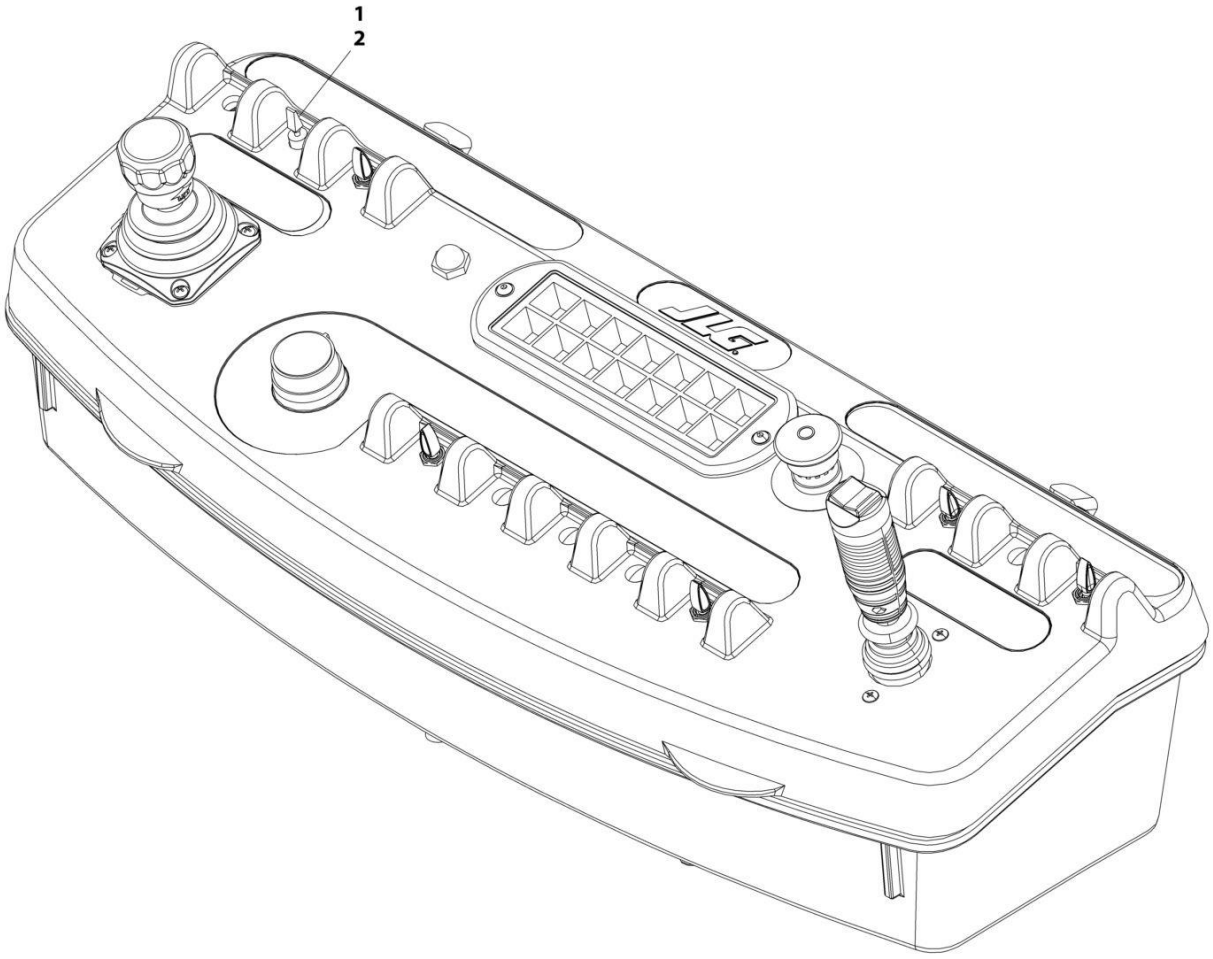
FIGURE 5-21. CONSOLE BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250952	Ref	CONSOLE BOX ASSEMBLY	C
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100035	AR	Compound, Locking	
4	0140011	1	Alarm	
5	0641404	4	Bolt 1/4 x 1/2	
6	0641414	4	Bolt 1/4 x 1-3/4	
7	1702565	1	Decal - Drive and Steer	
8	1702566	1	Decal - Lift and Swing	
9	1702567	1	Decal - Function Speed	
10	1704260	1	Decal - Emergency Stop	
11	2560136	1	Handle, Knob	
12	2920028	1	Light, Indicator	
13	2920029	1	Bulb, Light	
14	3300353	4	Nut, Tinnerman	
15	3520054	7	Plug	
16	3790012	6	O-Ring	
17	3900349	8	Capscrew M2.5 x 8	
18	4360387	2	Switch, Push Button	
19	4360407	1	Controller, Speed	
19	4460224	1	Receptacle, Female - 6 Position	
19	4460226	6	Socket, Female	
19	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
19	70003784	1	Seal	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Red	
20	7020176	1	Block, Contact	
21	4460234	3	Mount, Tie-Strap	
22	4460428	2	Connector, Strain Relief	
23	4460470	1	Nut, Terminal	
24	4460471	1	Washer, Terminal	
25	4460496	1	Washer, Terminal	
26	4460497	1	Nut, Terminal	
27	4740397	6	Washer	
28	4751400	8	Washer 1/4	
29	1001117174	1	Footswitch Assembly (See Separate Breakdown in this Section)	
30	1001155044	6	Nut 15/32	
31	1001155045	4	Switch, Toggle	
32	1001159256	1	Switch, Toggle	
33	1001161709	1	Switch, Toggle	
34	1001166539	NLA	Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section)	
35	1001172760	4	Bracket	
36	1001185281	1	Plug	
37	1001261325	1	Module, Platform (Note: Re-calibration Required when Replaced)	
38	1001213882	1	Mount, Connector	
39	1001215228	1	Console Box Assembly	
39A	0630568	1	Capscrew 3/8 x 4-1/2	
39B	3311601	1	Nut 3/8	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39C	3430616	2	Pin	
39D	3470003	2	Hairpin	
39E	4711600	2	Washer 3/8	
40	1001238409	1	Platform Console Harness (See Separate Breakdown in ELECTRICAL SECTION)	
41	1001166538	NLA	Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section)	

FIGURE 5-22. STEER SWITCH INSTALLATION WITHOUT TOW PACKAGE (4WD/4WS MACHINES)

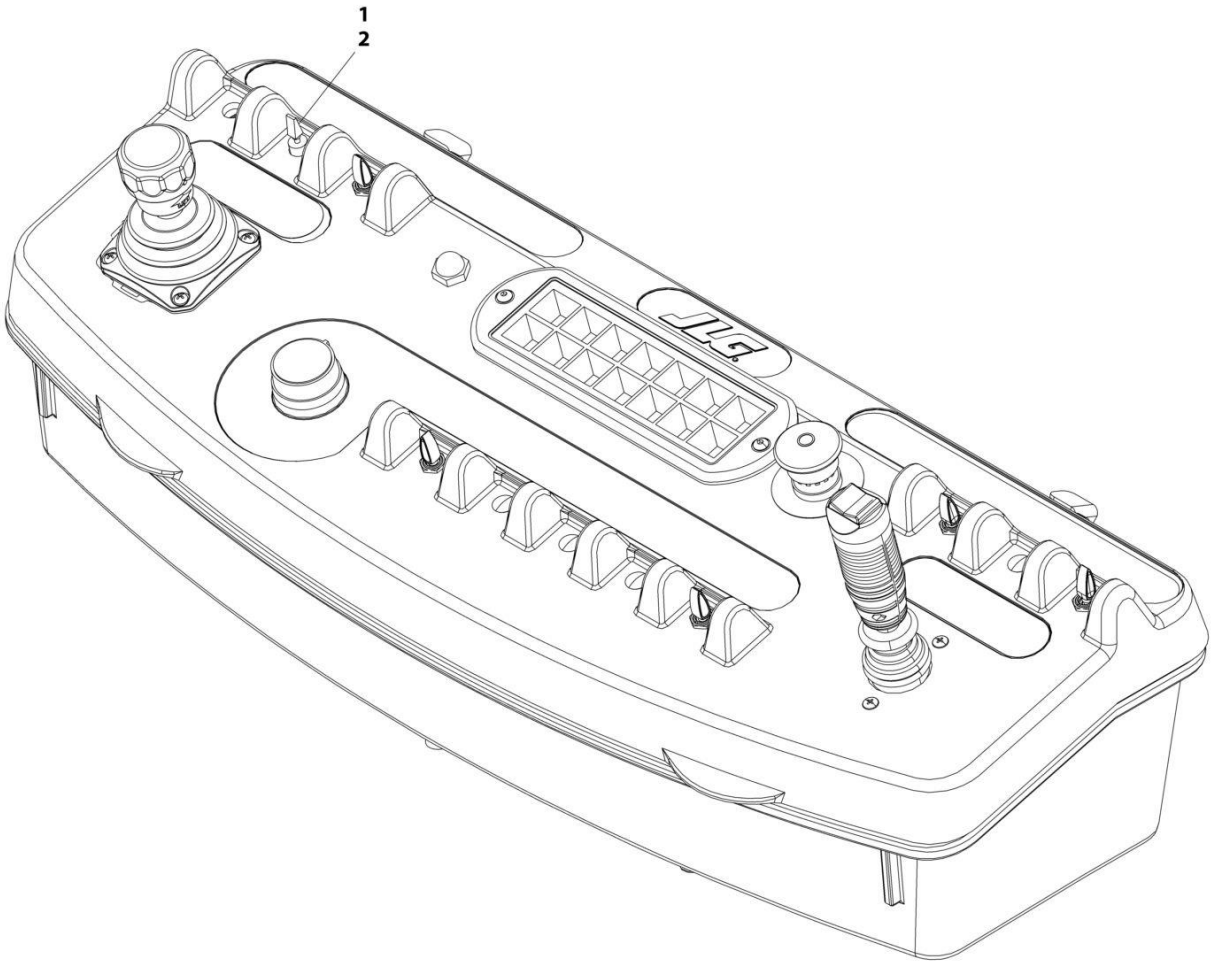


ART_1001181771

FIGURE 5-22. STEER SWITCH INSTALLATION WITHOUT TOW PACKAGE (4WD/4WS MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181771	Ref	STEER SWITCH INSTALLATION	B
1	3790012	1	O-Ring	
2	4360331	1	Switch, Toggle	

FIGURE 5-23. STEER SWITCH INSTALLATION WITH TOW PACKAGE (4WD/4WS MACHINES)



ART_1001181773

FIGURE 5-23. STEER SWITCH INSTALLATION WITH TOW PACKAGE (4WD/4WS MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181773	Ref	STEER SWITCH INSTALLATION	B
1	3790012	1	O-Ring	
2	4360331	1	Switch, Toggle	

FIGURE 5-24. CONTROLLER ASSEMBLY (DRIVE AND STEER)

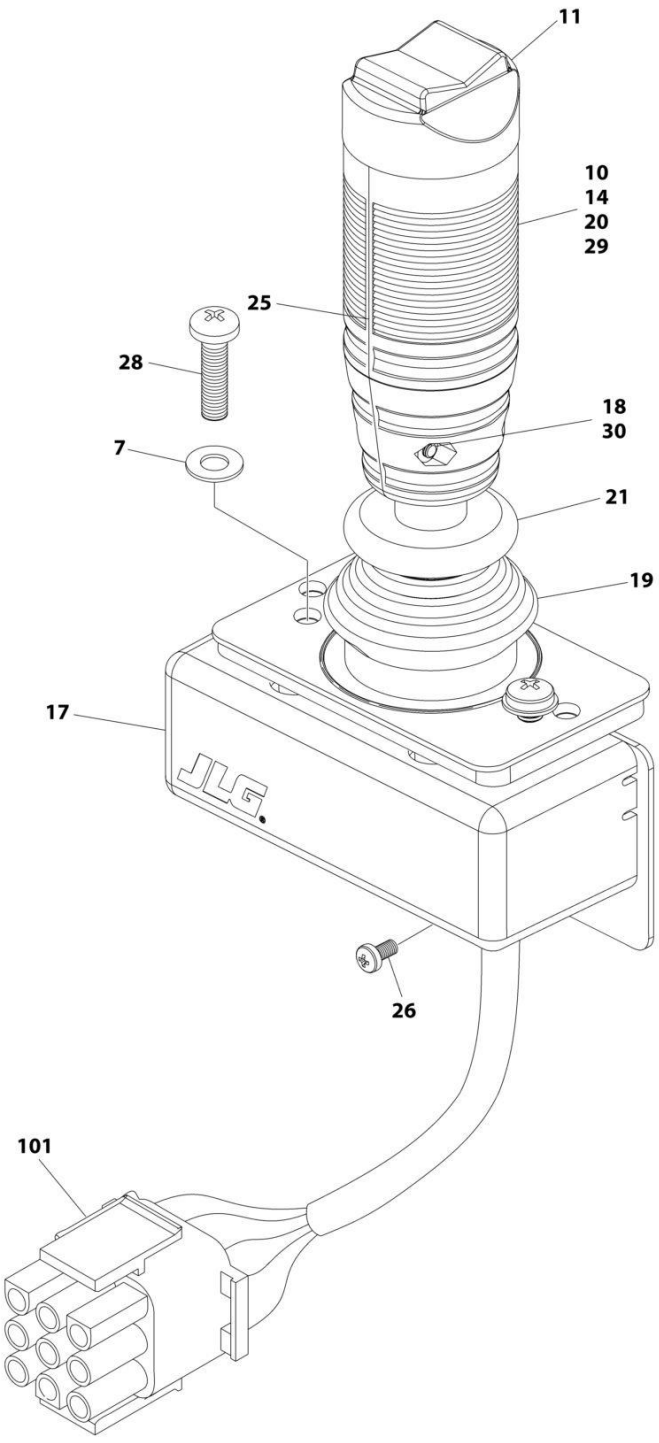


FIGURE 5-24. CONTROLLER ASSEMBLY (DRIVE AND STEER)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166538	Ref	CONTROLLER ASSEMBLY - DRIVE AND STEER	G
		Ref	Note: For Replacement, Use p/n 1001212415.	
7	70004738	2	Washer	
10	70004739	1	Roller	
11	70004740	1	Boot, Switch	
14	70004741	2	Half, Handle	
17	70004742	1	Enclosure	
18	70004743	4	Nut	
19	70004744	NLA	Boot, Controller (Use p/n 70005230 Boot/Base Assembly)	
20	70004745	NLA	Tube, Locking (Use p/n 70005230 Boot/Base Assembly)	
21	70004746	NLA	Disc, Locking (Use p/n 70005230 Boot/Base Assembly)	
25	70004747	2	Seal, Rope	
26	70004748	1	Screw M3 x 6	
28	70004749	2	Screw M5 x 20	
29	70004750	1	Pin, Dowel	
30	70004751	4	Screw M3 x 16	
101	4460265	1	Connector - 9 Position	
101	4460226	7	Socket, Female	

FIGURE 5-25. CONTROLLER ASSEMBLY (LIFT AND SWING)

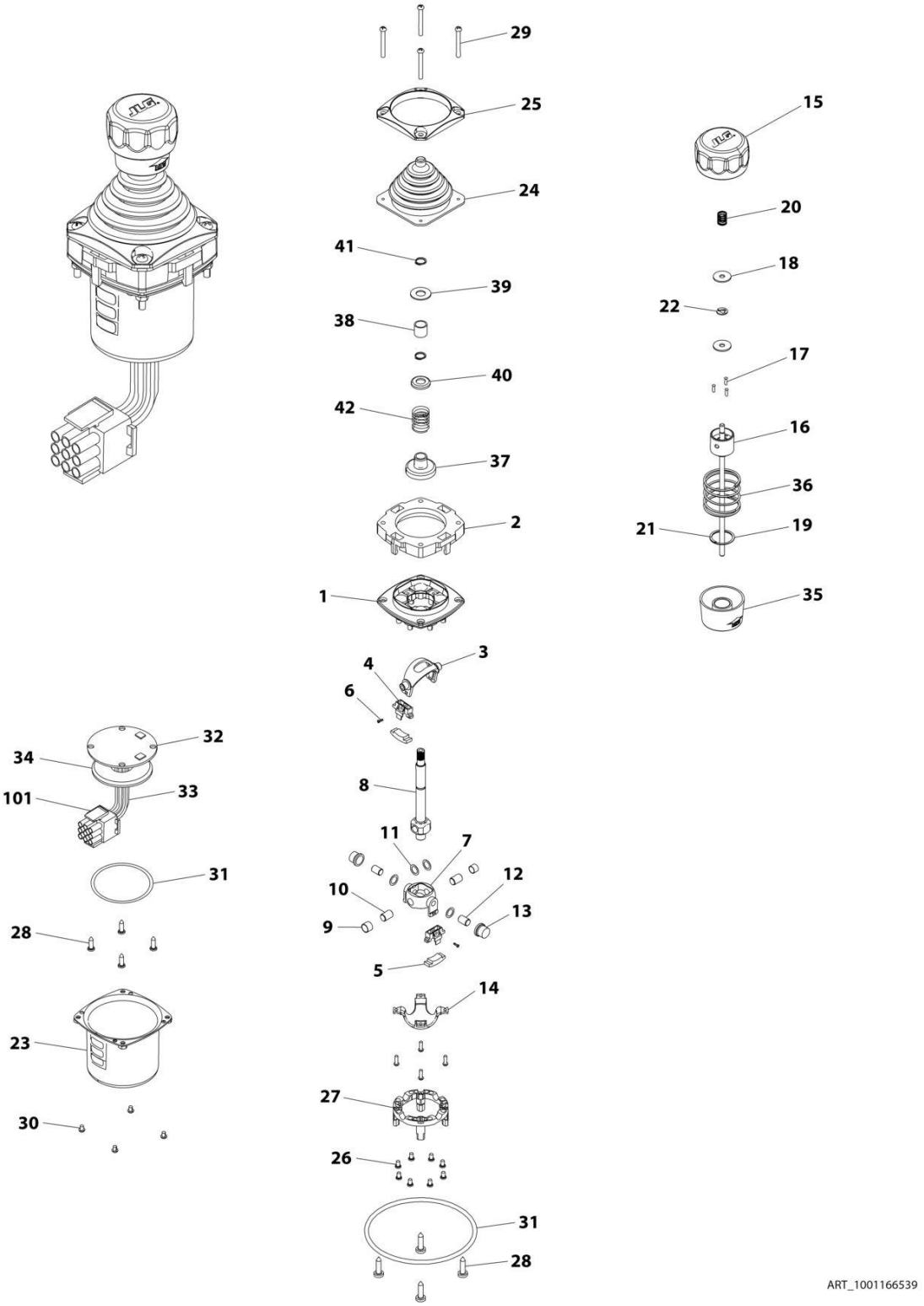


FIGURE 5-25. CONTROLLER ASSEMBLY (LIFT AND SWING)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001166539	Ref	CONTROLLER ASSEMBLY	E
		Ref	Note: Original Equipment Controller May Have Been Replaced with Service Replacement Controller. Visually Identify Controller Before Ordering Parts.	
		Ref	Note: For Replacement, Use p/n 1001129555	
1	See Note	NSS	Main Cast Body (Note: Not Available - Purchase Complete Assembly)	
2	70004752	1	Adapter	
3	See Note	NSS	Pivot Arm, Plastic (Note: Not Available - Purchase Complete Assembly)	
4	See Note	NSS	Holder, Magnet (Note: Not Available - Purchase Complete Assembly)	
5	See Note	NSS	Arc, Magnet (Note: Not Available - Purchase Complete Assembly)	
6	See Note	NSS	Screw (Note: Not Available for Purchase)	
7	See Note	NSS	Pivot Arm, Cast (Note: Not Available - Purchase Complete Assembly)	
8	See Note	NSS	Shaft, Main (Note: Not Available - Purchase Complete Assembly)	
9	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
10	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
11	See Note	NSS	Shim (Note: Not Available - Purchase Complete Assembly)	
12	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
13	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
14	See Note	NSS	Dome, Centering (Note: Not Available - Purchase Complete Assembly)	
15	70004753	1	Cap	
16	70004754	1	Insert, Cap	
17	70004755	3	Pin	
18	70004756	2	Washer	
19	70004757	1	Pin, Centering	
20	70004758	1	Spring	
21	70004759	1	Ring, Retaining	
22	70004760	1	E-Ring	
23	70004761	1	Can, Enclosure	
24	70004762	1	Boot	
25	70004763	1	Bezel	
26	See Note	NSS	Screw (Note: Not Available for Purchase)	
27	See Note	NSS	Base Mounting (Note: Not Available - Purchase Complete Assembly)	
28	See Note	NSS	Screw (Note: Not Available for Purchase)	
29	70004764	4	Screw	
30	70004765	4	Screw	
31	70004766	1	O-Ring	
32	See Note	NSS	Plate (Note: Not Available - Purchase Complete Assembly)	
33	See Note	NSS	Harness (Note: Not Available - Purchase Complete Assembly)	
34	70004767	1	Grommet, Rubber	
35	70004768	1	Housing	
36	70004769	1	Spring	
37	70004770	1	Stopper	
38	70004771	1	Spacer	
39	70004772	1	Washer	
40	70004773	1	Disc	

SECTION 5 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	70004774	2	Ring, Retaining	
42	70004775	1	Spring	
101	4460265	1	Connector - 9 Position	
101	4460226	6	Socket, Female	

FIGURE 5-26. FOOTSWITCH ASSEMBLY

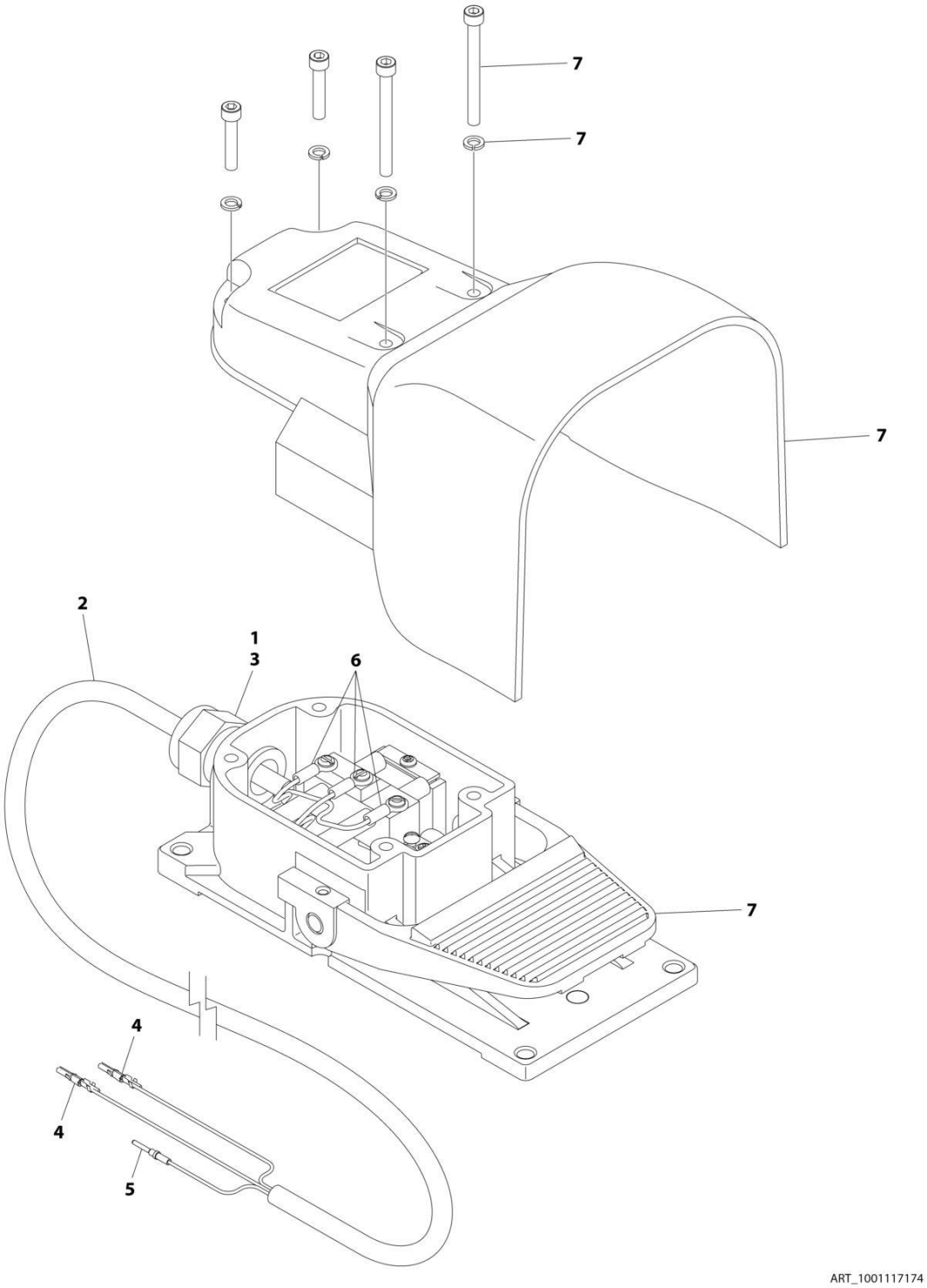


FIGURE 5-26. FOOTSWITCH ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001117174	Ref	FOOTSWITCH ASSEMBLY	C
1	0100020	AR	Sealant	
2	1060918	7.5 ft/ 2.3m	Cable, Electrical - 18/3	
3	4460071	1	Connector, Strain Relief	
4	4460226	2	Socket, Female	
5	4460464	1	Pin, Male	
6	1001098122	3	Terminal	
7	1001117172	1	Footswitch	
7	70002902	1	Switch, 20Amp	
7	70002903	1	Gasket	
7	70002905	1	Cover	
7	70002904	1	Kit, Replacement Bolt	

FIGURE 5-27. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03)

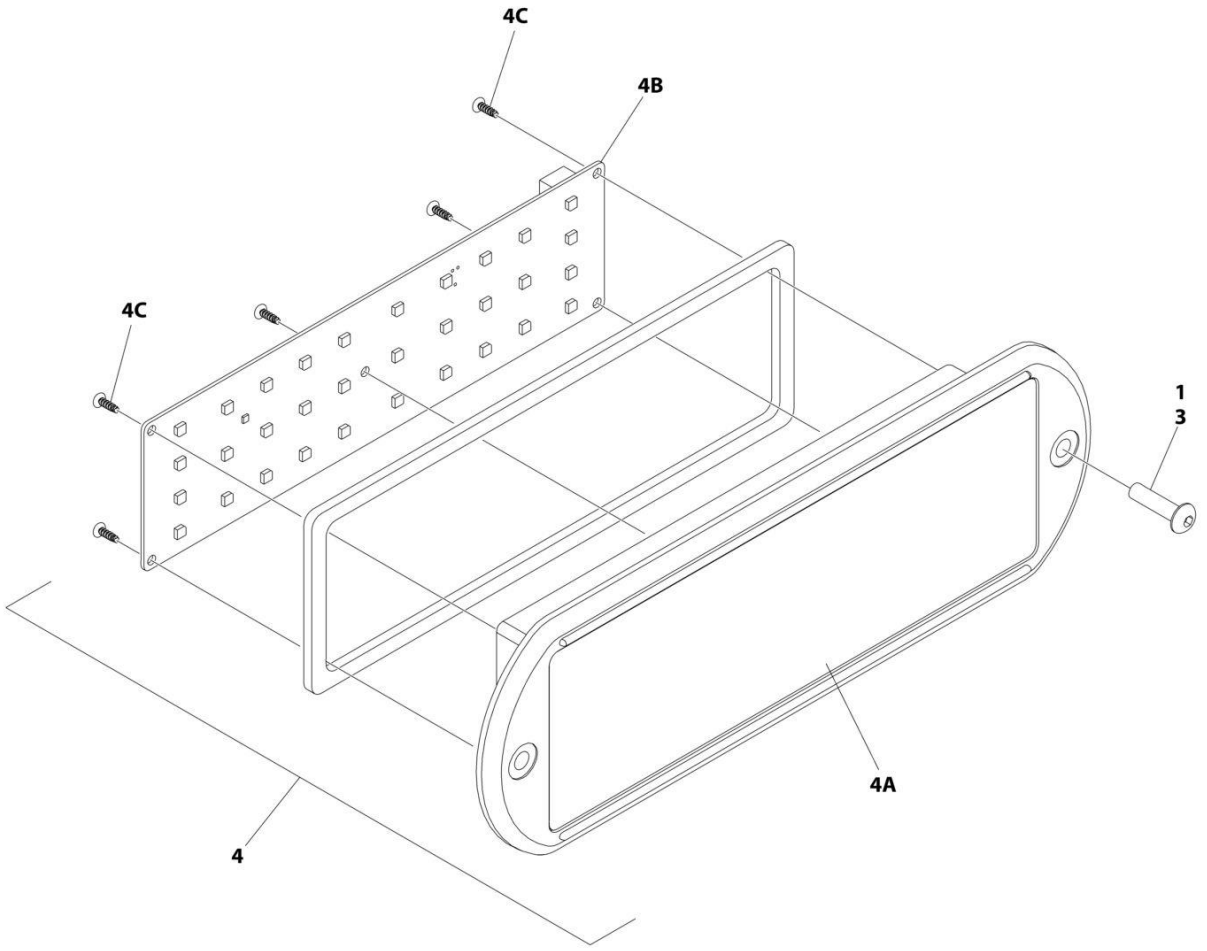


FIGURE 5-27. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH 03)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233959	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	C
1	0100035	AR	Compound, Locking	
3	0630518	2	Screw #10 x 3/4	
4	1001237544	1	Light Panel Assembly	H
4A	1001236087	1	Lens, I-Con	
4B	1001187807	1	Panel, LED Light	
4C		Ref	Screw	

FIGURE 5-28. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH B3)

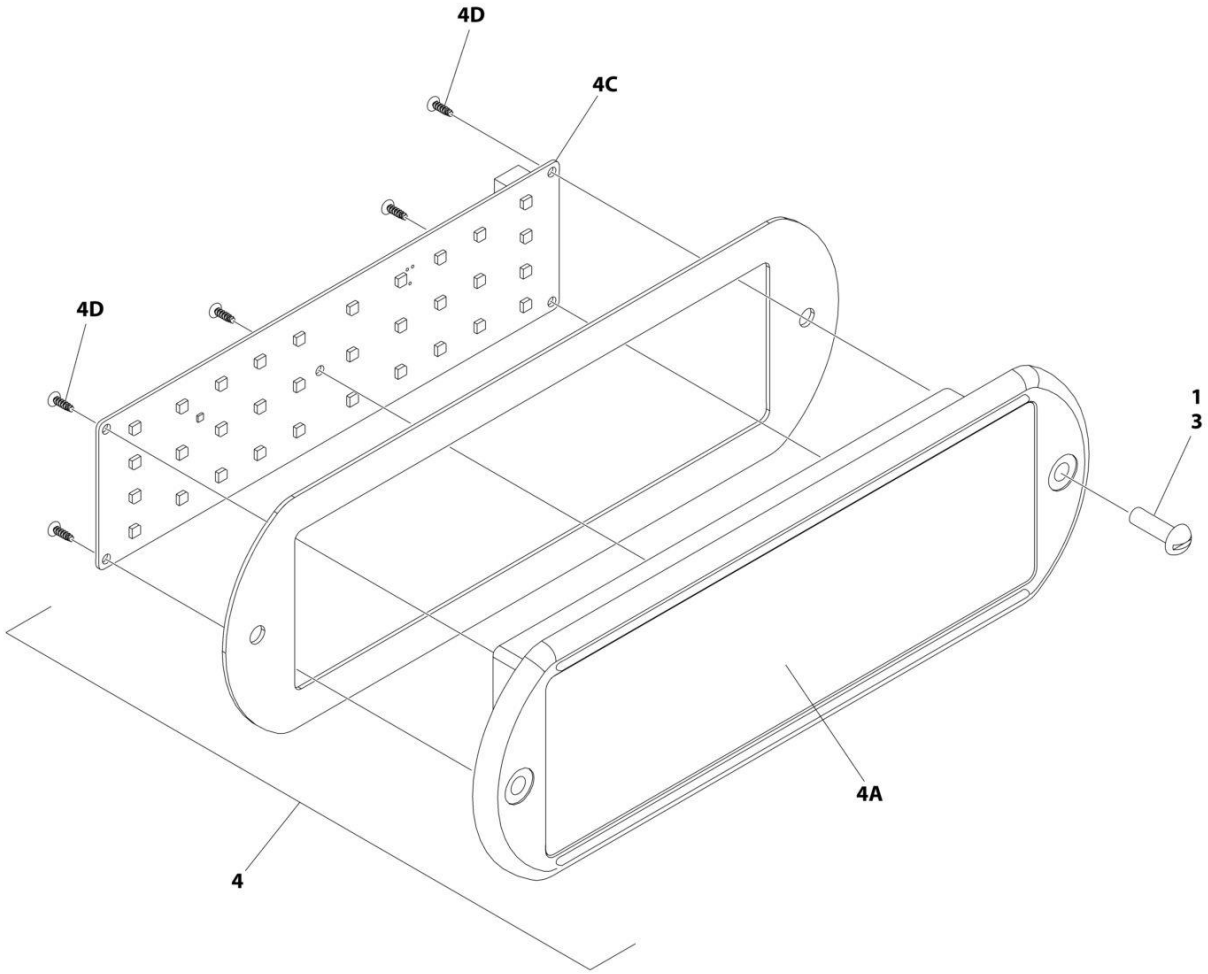


FIGURE 5-28. LIGHT PANEL INSTALLATION (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001241398	Ref	LIGHT PANEL INSTALLATION - PLATFORM CONSOLE	B
1	0100035	AR	Compound, Locking	
3	3911010	2	Screw #10 x 5/8	
4	1001238671	1	Light Panel Assembly	
4A	1001236087	1	Lens, I-Con	
4C	1001238732	1	Panel, LED Light	
4D		Ref	Screw	

FIGURE 5-29. SKYEYE INSTALLATION

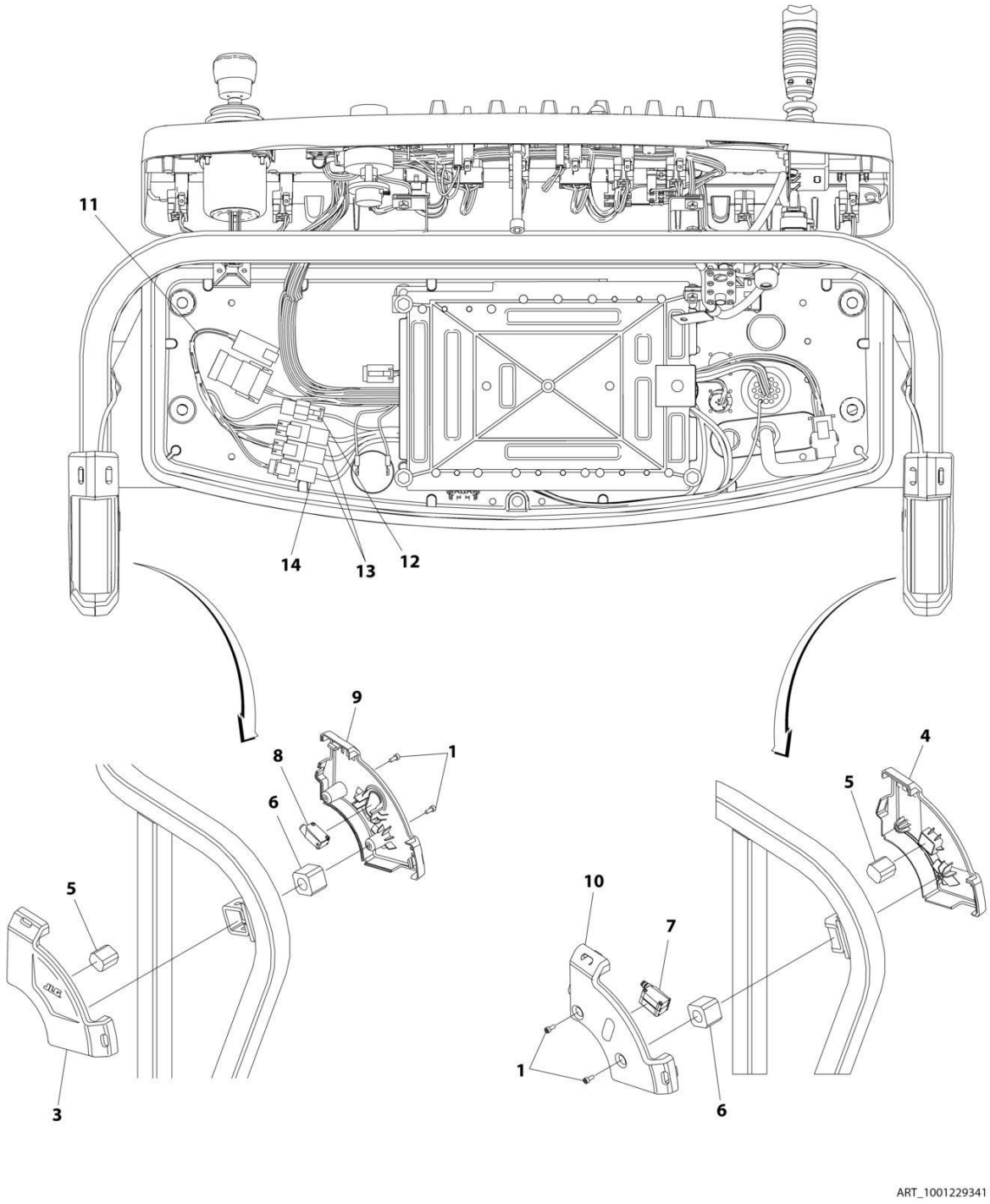


FIGURE 5-29. SKYEYE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229341	Ref	SKYEYE INSTALLATION	B
1	4031505	4	Bolt M4 x 10	
2	4240033	AR	Tie-Strap (Not Shown)	
3	1001227633	1	Housing, LH Outer	
4	1001227634	1	Housing, RH Outer	
5	1001227985	2	Shim	
6	1001227987	2	Shim	
7	1001228224	2	Sensor, Receiver	
8	1001228225	1	Sensor, Emitter	
9	1001232164	1	Housing, LH Inner	
10	1001232165	1	Housing, RH Inner	
11	1001237865	1	Harness, Skyeye Intermediate (See Separate Breakdown in ELECTRICAL Section)	
12	1001238319	NLA	Harness, Skyeye Drain Jumper	
12	1001187674	1	Plug, Male - 2 Position	
12	4460942	1	Terminal	
12	4460466	1	Plug, Terminal	
12	4460508	1	Pin, Male	
13	1001237863	2	Harness, Skyeye Receiver (See Separate Breakdown in ELECTRICAL Section)	
14	1001237864	1	Harness, Skyeye Emitter (See Separate Breakdown in ELECTRICAL Section)	

FIGURE 5-30. SKYGUARD BAR INSTALLATION

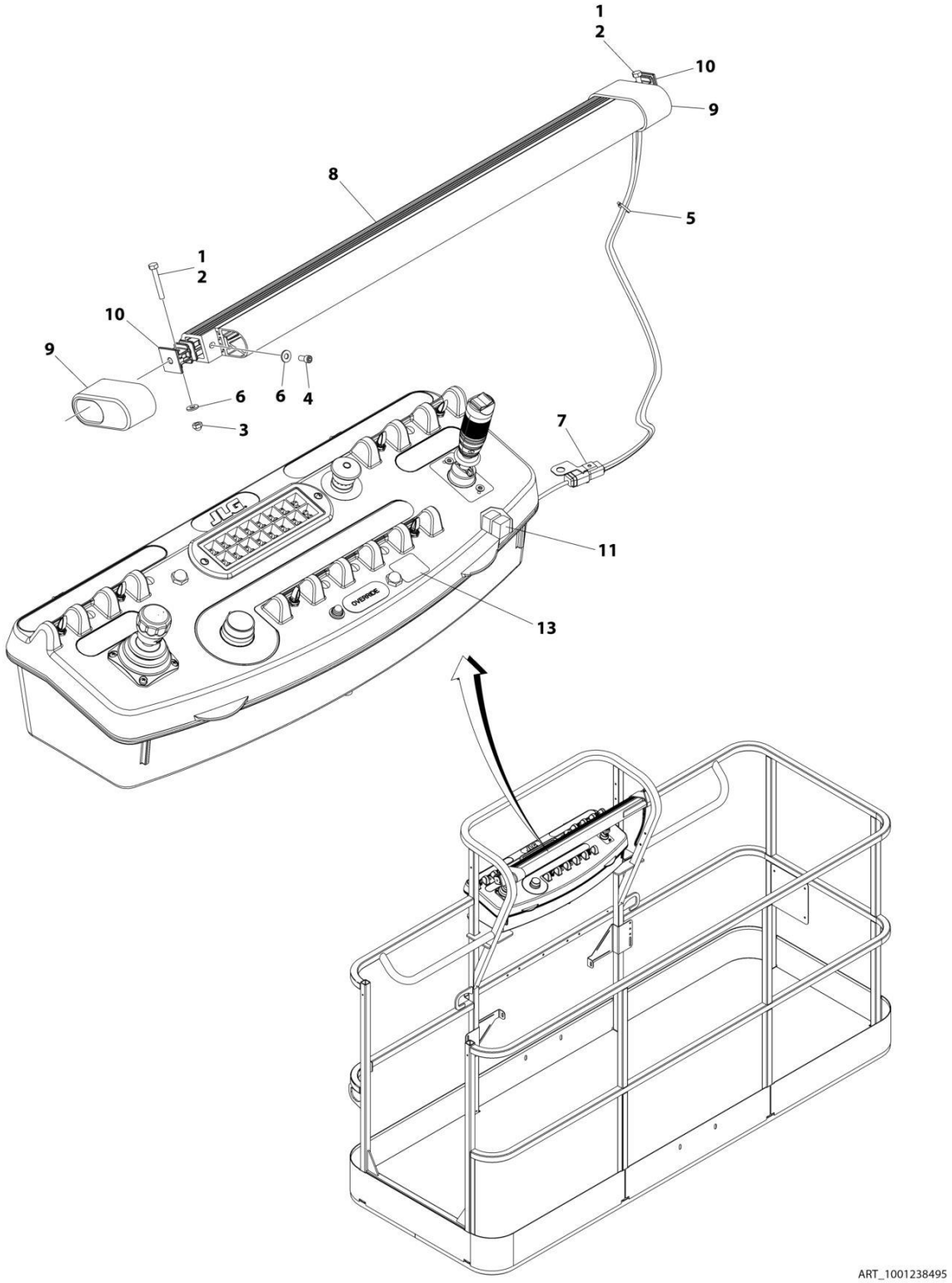


FIGURE 5-30. SKYGUARD BAR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238495	Ref	SKYGUARD BAR INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0641414	2	Bolt 1/4 x 1-3/4	
3	3300430	2	Nut 1/4	
4	3931408	2	Capscrew 1/4 x 1/2	
5	4240033	8	Tie-Strap	
6	4711400	6	Washer 1/4	
7	1001120328	1	Mount	
8	1001137673	1	SkyGuard Switch Assembly	
9	1001186517	2	Cover, Platform Sensor	
10	1001209664	2	Support, Block	
11	1001186431	2	Relay	
12	1001225580	1	Interface Harness Assembly (Not Shown - Located Inside Console Box) (See Separate Breakdown in ELECTRICAL Section)	
13	1001144433	1	Decal - No Weight SkyGuard	

FIGURE 5-31. SKYLINE INSTALLATION

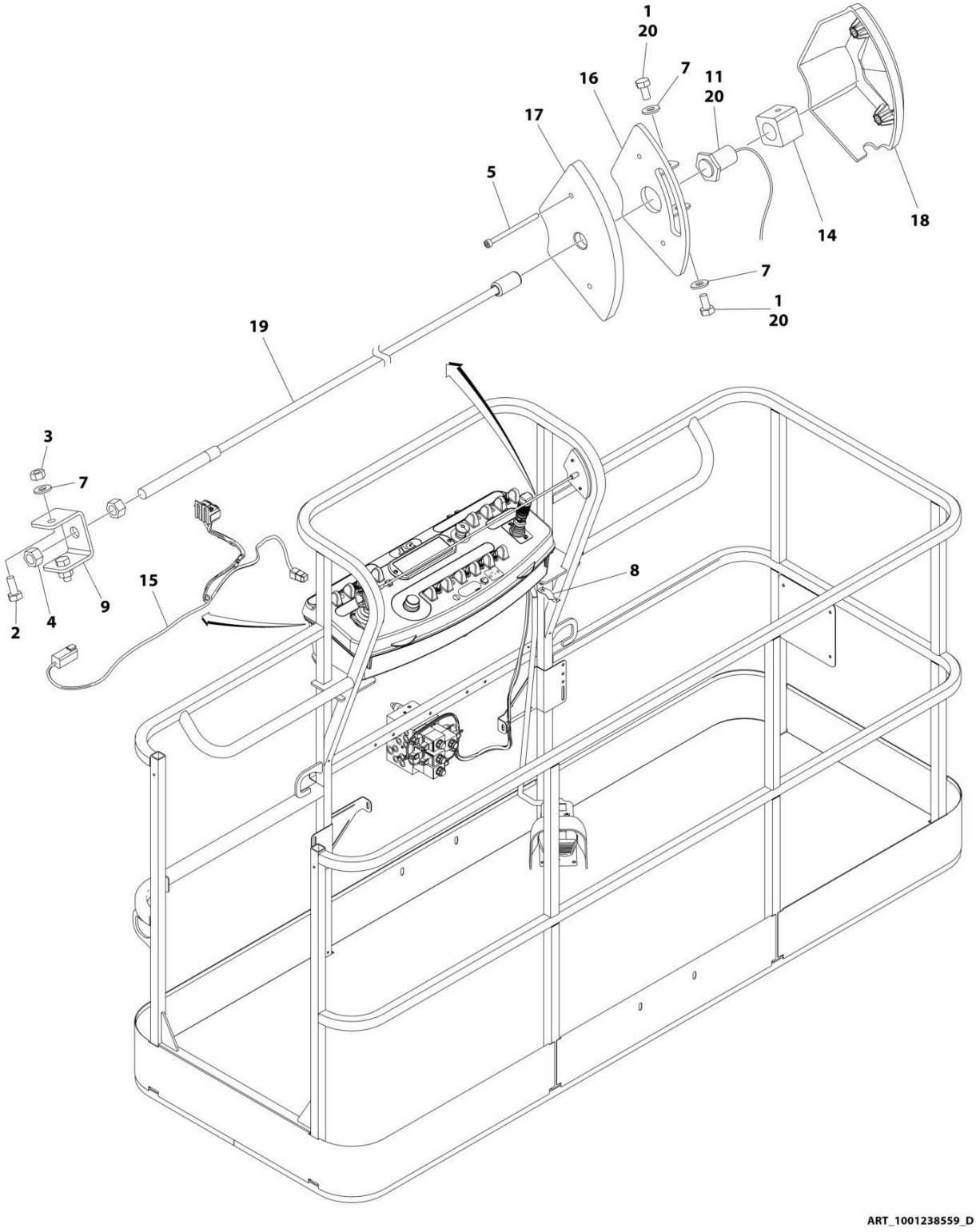


FIGURE 5-31. SKYLINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238559	Ref	SKYLINE INSTALLATION	D
1	0641404	2	Bolt 1/4 x 1/2	
2	0641405	2	Bolt 1/4 x 5/8	
3	3311405	2	Nut 1/4	
4	3311601	2	Nut 3/8	
5	4031516	2	Capscrew M4 x 60	
6	4240033	AR	Tie-Strap (Not Shown)	
7	4711400	4	Washer 1/4	
8	1001120328	1	Mount	
9	1001232642	1	Bracket	
11	1001232667	1	Sensor, Proximity	
11	1001311034	1	Sensor, Proximity	
14	1001236552	1	Block	
15	1001238418	1	Harness, Skyline (See Separate Breakdown in ELECTRICAL Section)	
16	1001238472	1	Mount	
17	1001254473	1	Housing, LH	
18	1001241965	1	Housing, RH	
19	1001254472	1	Rod	
20	0100011	AR	Compound, Locking	

FIGURE 5-32. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS)

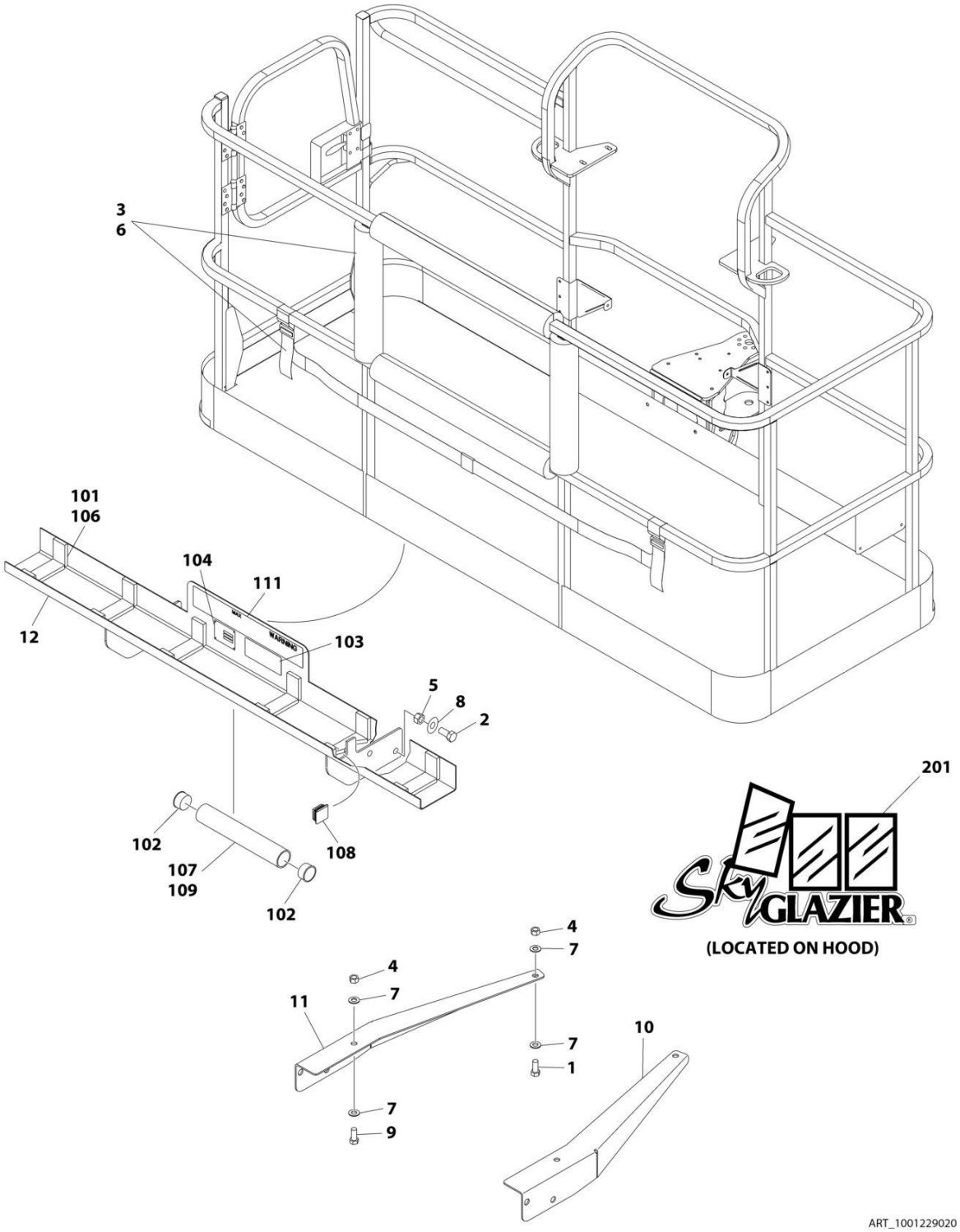


FIGURE 5-32. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229020	Ref	SKYGLAZIER INSTALLATION	A
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	8310129	2	Bolt 3/4 x 2-1/2	
10	1001099366	1	Support	
11	1001099367	1	Support	
12	1001229082	1	Tray Assembly (See Items 101-111 for Breakdown)	
	1001229082	Ref	TRAY ASSEMBLY	B
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001199035	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-33. SKYGLAZIER INSTALLATION (BRAZIL SPECS) (600S)

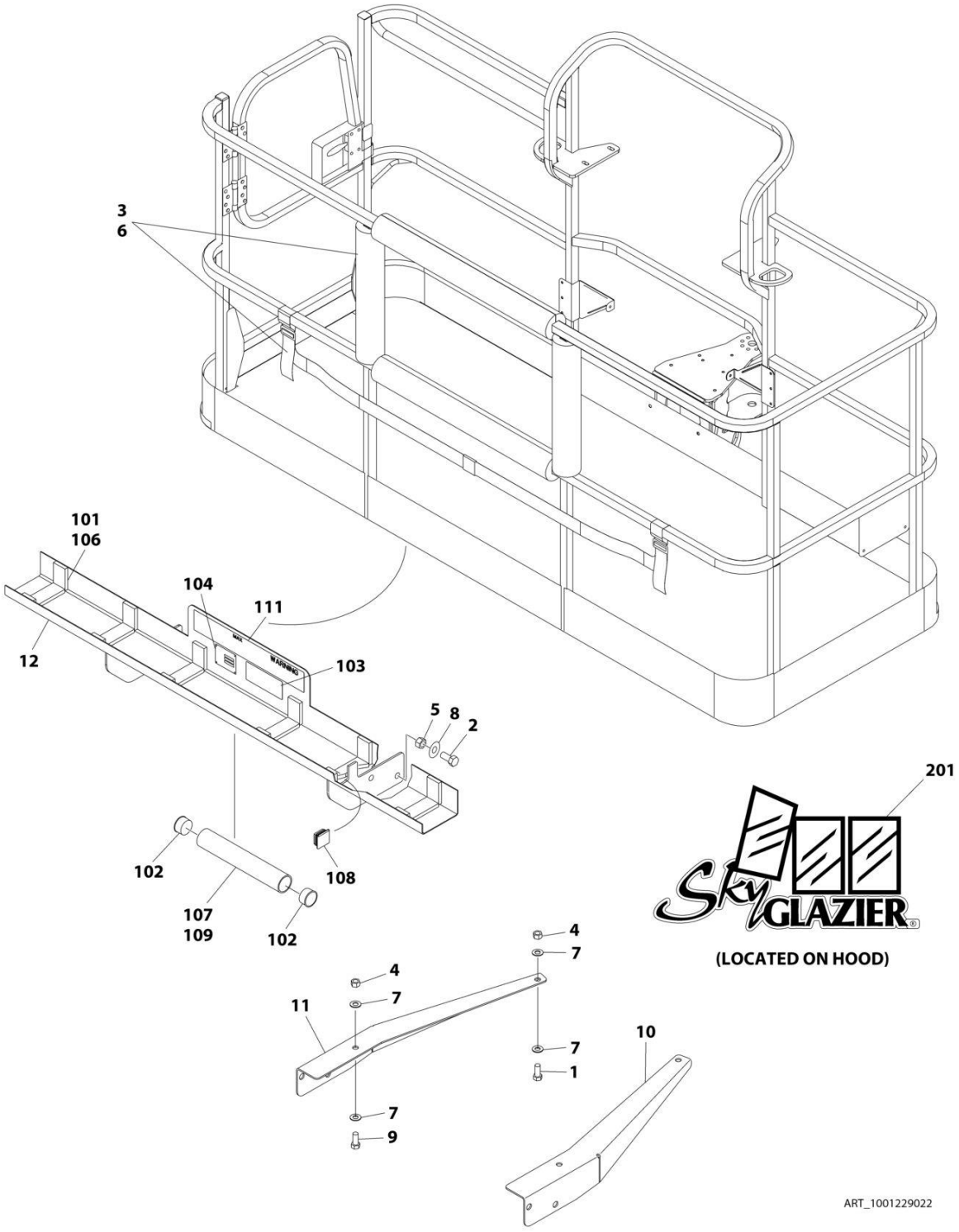


FIGURE 5-33. SKYGLAZIER INSTALLATION (BRAZIL SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229022	Ref	SKYGLAZIER INSTALLATION	A
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	8310129	2	Bolt 3/4 x 2-1/2	
10	1001099366	1	Support	
11	1001099367	1	Support	
12	1001229118	1	Tray Assembly (See Items 101-111 for Breakdown)	
	1001229118	Ref	TRAY ASSEMBLY	B
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001229112	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-34. SKYGLAZIER INSTALLATION (LATIN AMERICAN SPECS) (600S)

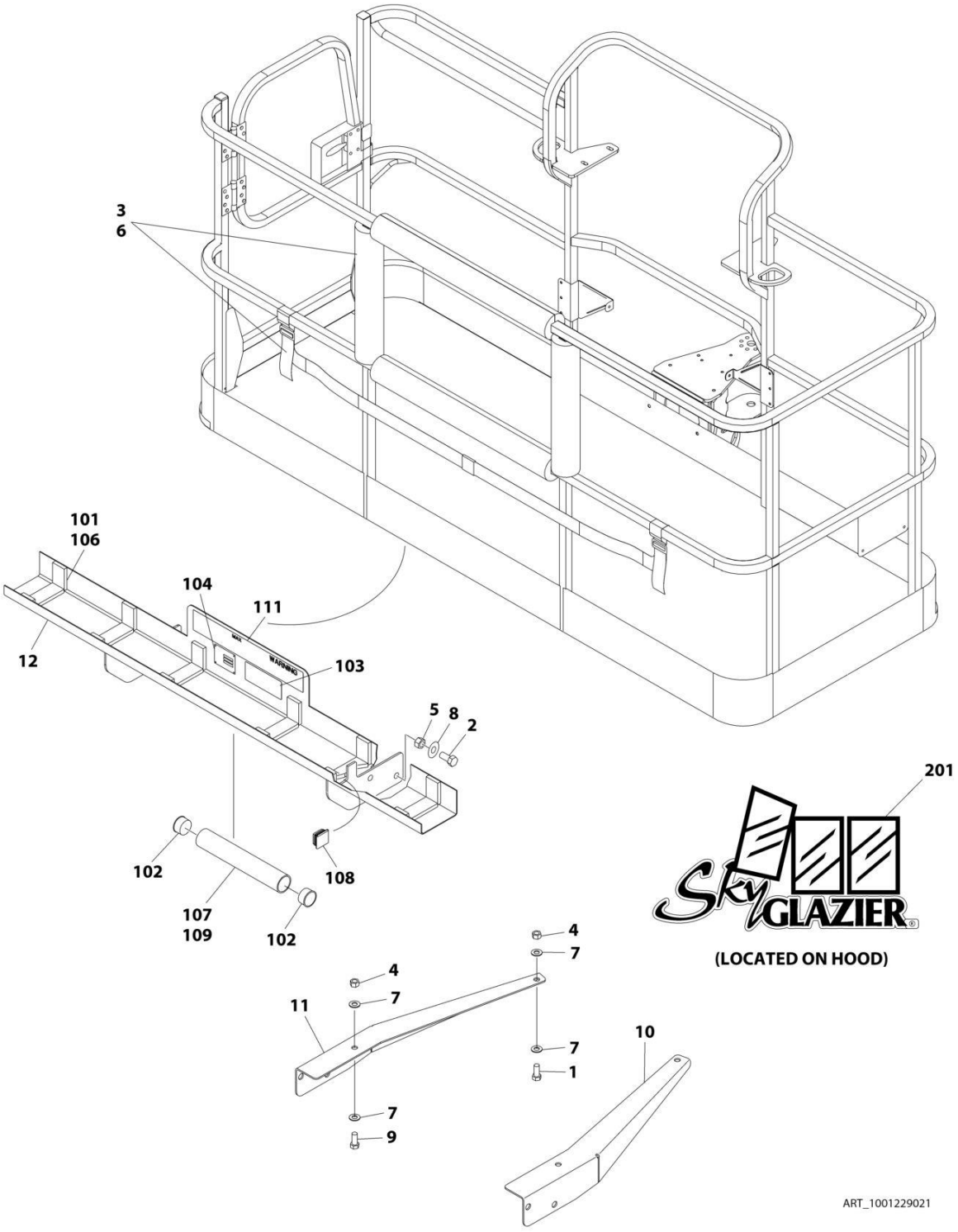


FIGURE 5-34. SKYGLAZIER INSTALLATION (LATIN AMERICAN SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001229021	Ref	SKYGLAZIER INSTALLATION	A
1	0642012	2	Bolt 5/8 x 1-1/2	
2	0642212	4	Bolt 3/4 x 1-1/2	
3	2902212	1	Bumpers and Strap Kit	
3	0940102	1	Bumper Only	
3	4240149	1	Strap Only	
4	3312005	4	Nut 5/8	
5	3312205	4	Nut 3/4	
6	4420014	AR	Tape	
7	4712000	6	Washer 5/8	
8	4712200	8	Washer 3/4	
9	8310129	2	Bolt 3/4 x 2-1/2	
10	1001099366	1	Support	
11	1001099367	1	Support	
12	1001229108	1	Tray Assembly (See Items 101-111 for Breakdown)	
	1001229108	Ref	TRAY ASSEMBLY	B
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	1701509	1	Decal - Manual	
104	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
106	3340956	1	Pad Kit	
107	3460334	1	Tube	
108	3520071	2	Plug	
109	4420066	AR	Tape, Double Sided	
111	1001229111	2	Decal - Glazier Capacity	
	0272418	Ref	SKYGLAZIER DECAL INSTALLATION	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 5-35. SKYWELDER INSTALLATION (50HZ)

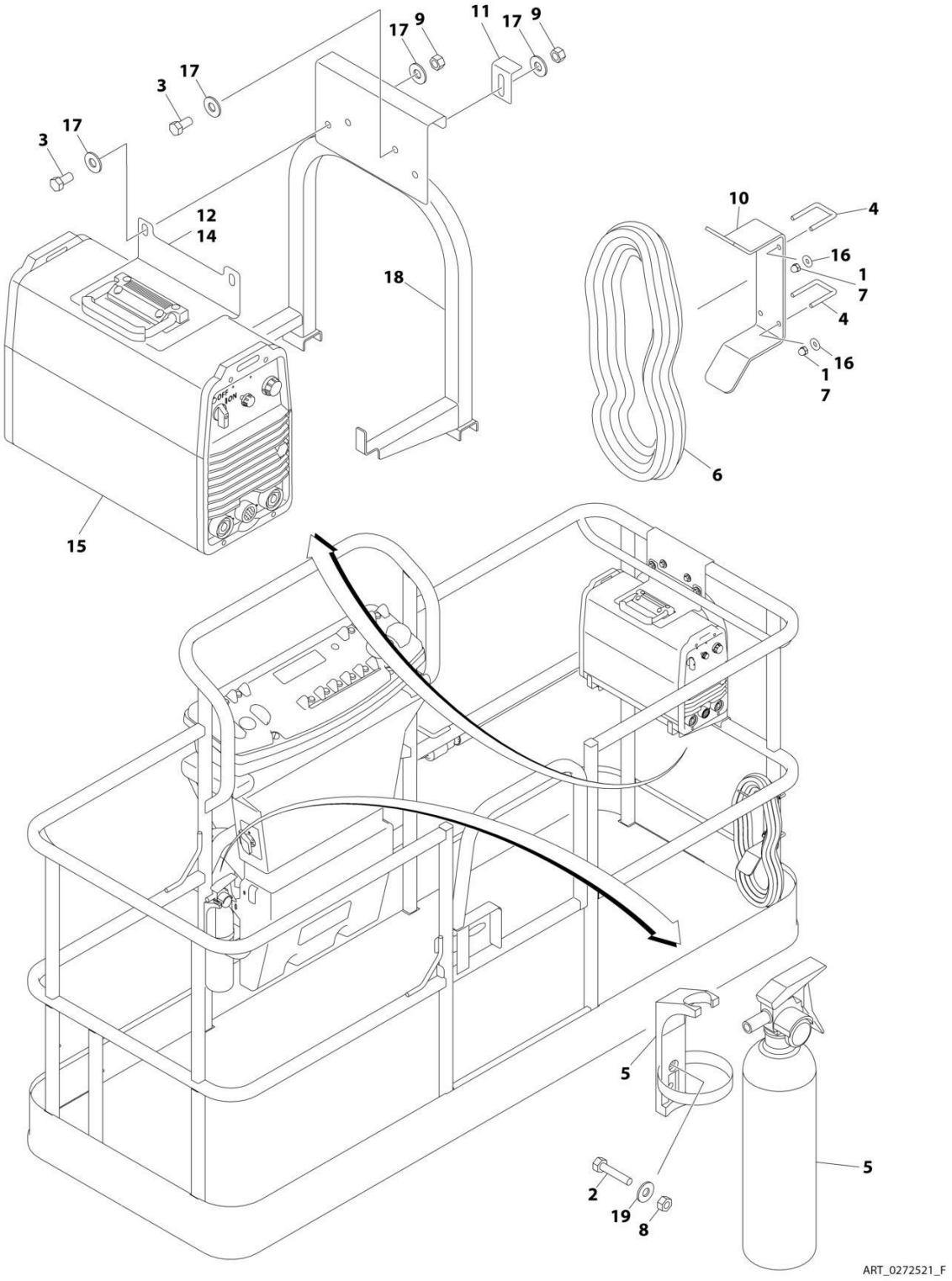


FIGURE 5-35. SKYWELDER INSTALLATION (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272521	Ref	SKYWELDER INSTALLATION	F
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4240099	AR	Tie-Strap (Not Shown)	
14	4420037	AR	Tape	
15	4530028	1	Welder Assembly (See Separate Breakdown in this Section)	
16	4751400	4	Washer 1/4	
17	4751600	8	Washer 3/8	
18	4846627	1	Support	
19	4751000	2	Washer #10	

FIGURE 5-36. SKYWELDER INSTALLATION (60HZ)

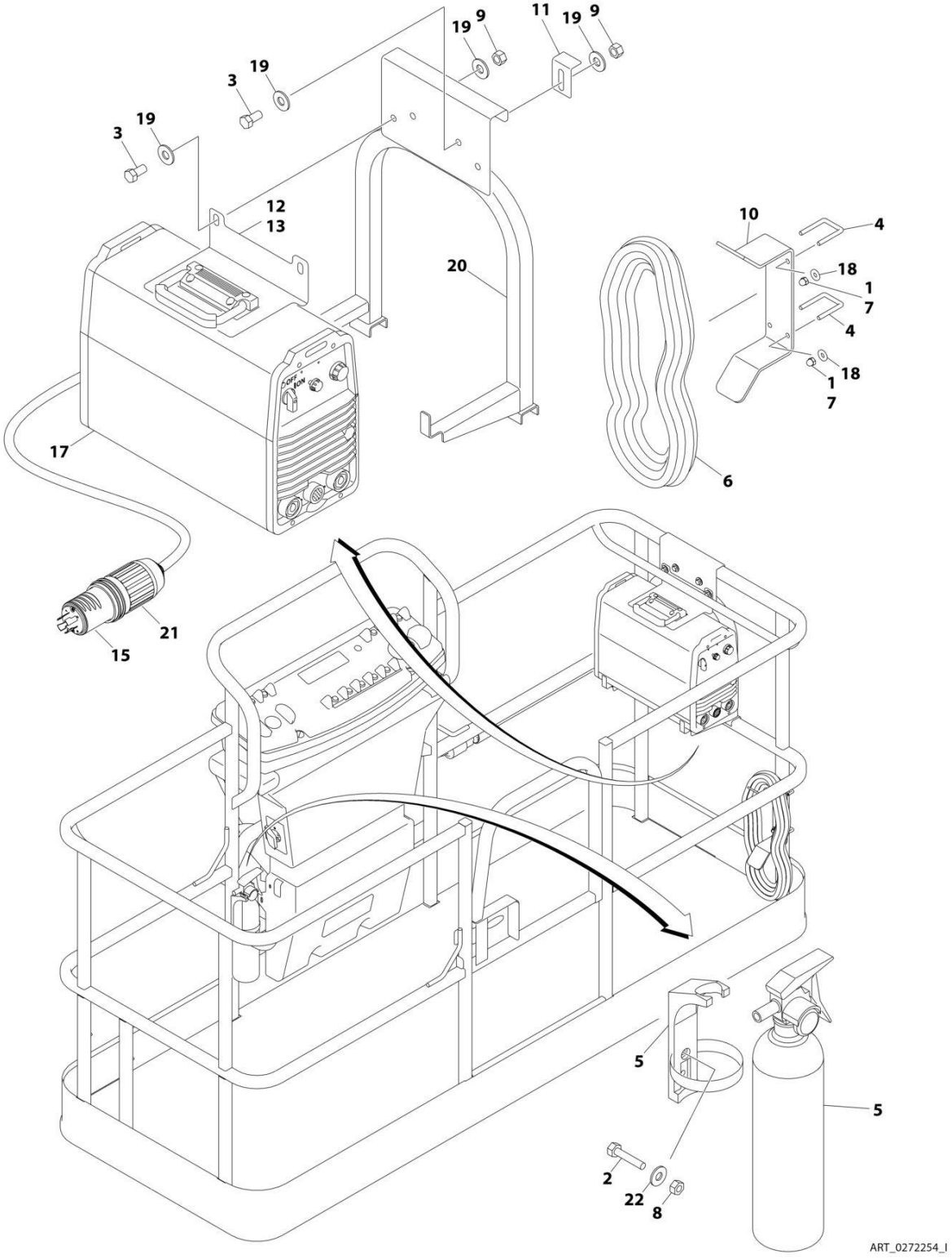


FIGURE 5-36. SKYWELDER INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272254	Ref	SKYWELDER INSTALLATION	I
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4420037	AR	Tape	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460962	1	Plug, Male Twistlock	
17	4530028	1	Welder Assembly (See Separate Breakdown in this Section)	
18	4751400	4	Washer 1/4	
19	4751600	8	Washer 3/8	
20	4846627	1	Support	
21	1671093	1	Cover, Plug	
22	4751000	2	Washer #10	

FIGURE 5-37. SKYWELDER PREP PACKAGE (60HZ)

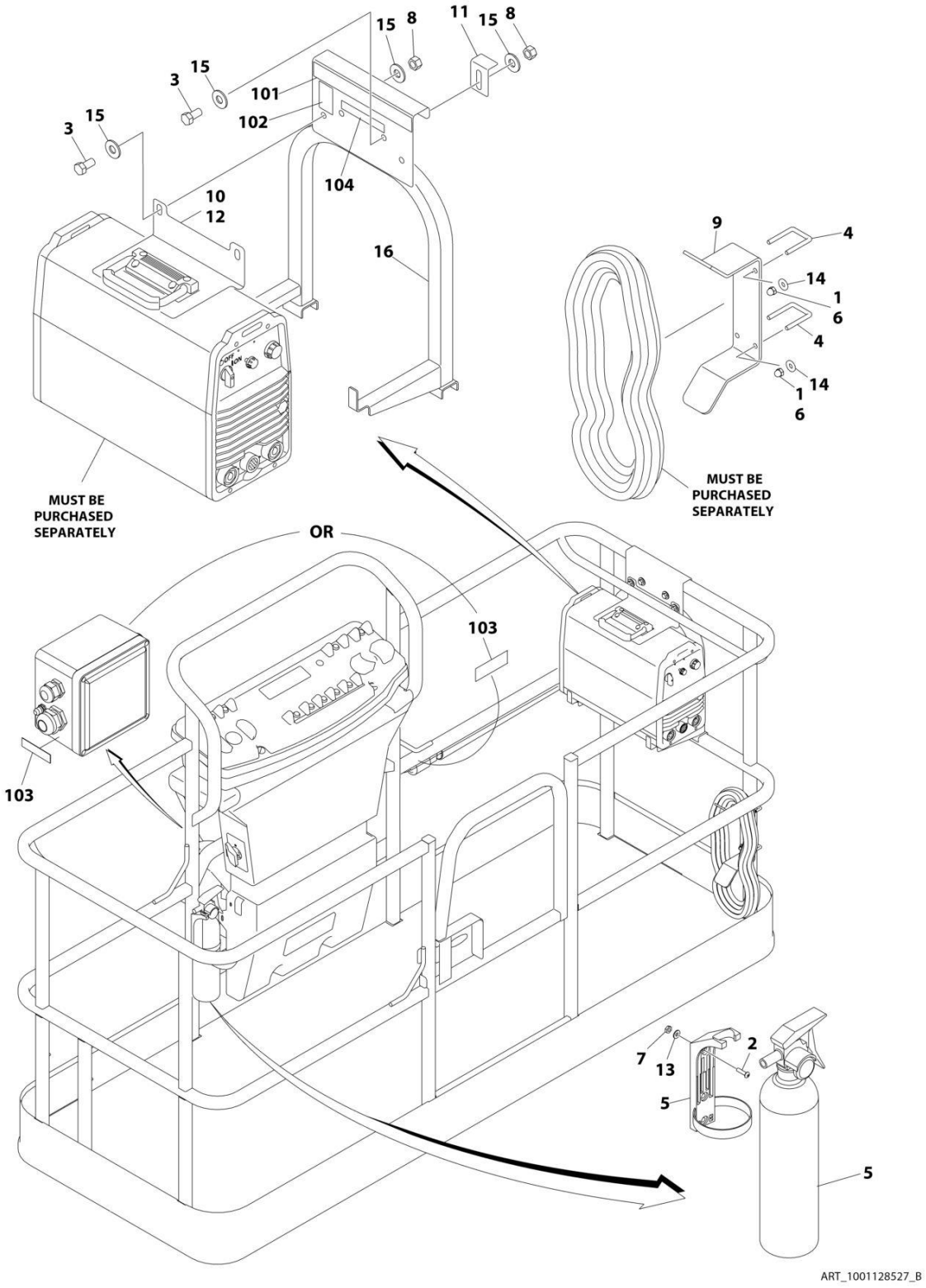


FIGURE 5-37. SKYWELDER PREP PACKAGE (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001128527	Ref	SKYWELDER PREP PACKAGE	B
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	3300151	4	Nut 1/4	
7	3311005	2	Nut #10	
8	3311605	4	Nut 3/8	
9	3573400	1	Bracket	
10	3573642	1	Plate	
11	3577121	2	Angle	
12	4420037	AR	Tape	
13	4751000	2	Washer #10	
14	4751400	4	Washer 1/4	
15	4751600	8	Washer 3/8	
16	4846627	1	Support	
	1001128556	Ref	SKYWELDER DECAL INSTALLATION	C
101	1702868	1	Decal - No Hands	
102	1705305	1	Decal - Weld Lead	
103	1705375	1	Decal - 240V - 3 Phase - 60Hz	
104	1001228988	1	Decal - Weight	

FIGURE 5-38. WELDER ASSEMBLY

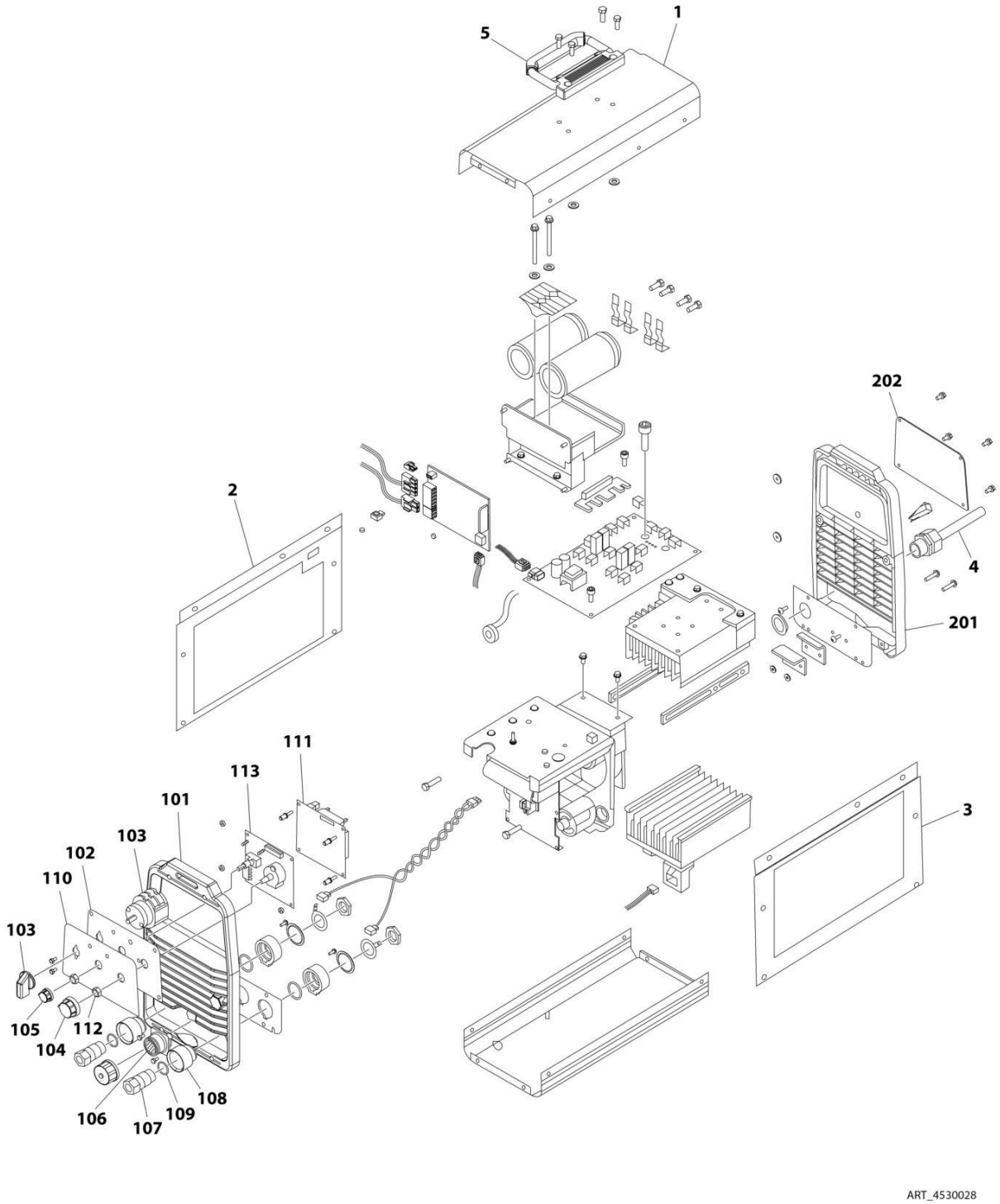


FIGURE 5-38. WELDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4530028	Ref	WELDER ASSEMBLY	B
		Ref	Note: For Other Components, contact your Miller Welder Dealer.	
1	7027773	1	Cover, Top	
1	7027774	1	Decal - Static Precautionary Warning	
2	See Note	NSS	Panel, LH Side (Note: Part of Item 1. Purchase Item 1)	
3	See Note	NSS	Panel, RH Side (Note: Part of Item 1. Purchase Item 1)	
4	7024467	1	Cable, Power	
4	7027775	1	Decal - Electrical Shock Warning (Not Shown)	
5	7027776	1	Handle, Carrying	
101	7024462	1	Panel, Front	
102	7024463	1	Panel, Console	
103	7024469	1	Switch with Lead	
104	7024470	1	Knob	
105	7024471	1	Knob	
106	7024472	1	Receptacle with Leads and Plugs	
107	7024473	2	Receptacle, Twistlock Female	
108	7024474	2	Insulator	
109	7024475	2	O-Ring	
110	7027777	1	Nameplate	
111	7027779	1	Circuit Card Assembly (Process Control)	
112	7024478	2	Nut	
113	7027778	1	Circuit Card Assembly (Operator Interface)	
201	7024462	1	Panel, Rear	
202	7027780	1	Panel, Cover	

FIGURE 5-39. SOFT TOUCH INSTALLATION - 6FT (1.83M) PLATFORM (OPTIONAL)

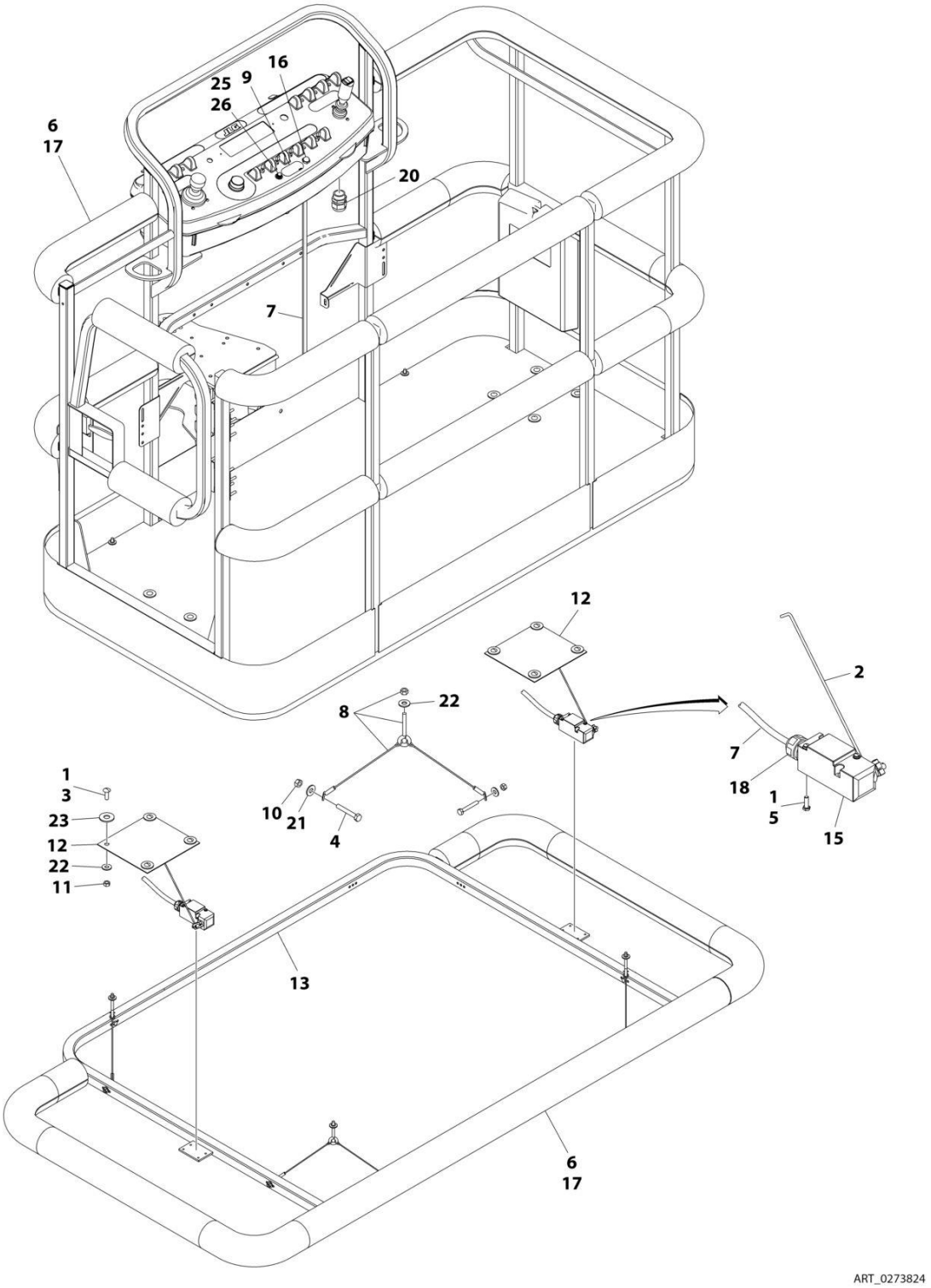


FIGURE 5-39. SOFT TOUCH INSTALLATION - 6FT (1.83M) PLATFORM (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273824	Ref	SOFT TOUCH SYSTEM INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0731005	4	Bolt #10 x 5/8	
6	0940134	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	AR	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
16	4360387	1	Switch, Push Button	
17	4420068	AR	Tape, Adhesive	
17	1001197017	AR	Tie-Strap	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	12	Washer 5/16	
23	4751800	8	Washer 1/2	
24	4933218	1	Wiring Diagram (Not Shown - Reference Only)	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-40. SOFT TOUCH INSTALLATION - 6FT (1.83M) FALL ARREST PLATFORM (OPTIONAL) (600S)

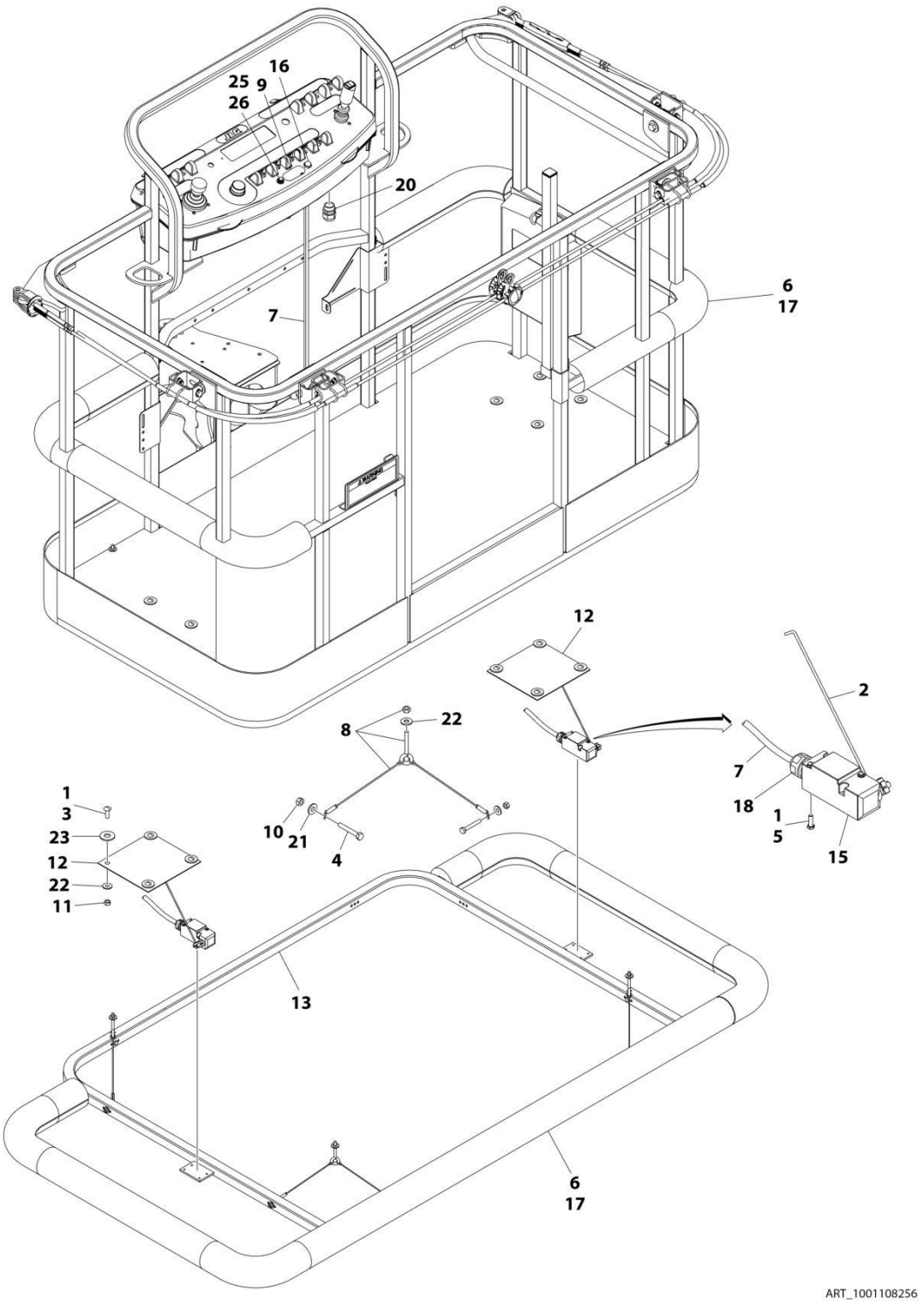


FIGURE 5-40. SOFT TOUCH INSTALLATION - 6FT (1.83M) FALL ARREST PLATFORM (OPTIONAL) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001108256	Ref	SOFT TOUCH INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0731005	4	Bolt #10 x 5/8	
6	0940177	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3575359	2	Plate, Switch Strike	
13	3641569	1	Rail, Soft Touch	
14	4240099	7	Tie-Strap (Not Shown)	
15	4360057	2	Switch, Limit	
16	4360387	1	Switch, Push Button	
17	4420068	AR	Tape, Adhesive	
17	1001197017	AR	Tie-Strap	
18	4460049	2	Connector, Strain Relief	
19	4460234	7	Tie-Strap (Not Shown)	
20	4460425	1	Connector, Strain Relief	
21	4751400	8	Washer 1/4	
22	4751500	9	Washer 5/16	
23	4751800	8	Washer 1/2	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-41. SOFT TOUCH INSTALLATION - 8FT (2.4M) PLATFORM (OPTIONAL)

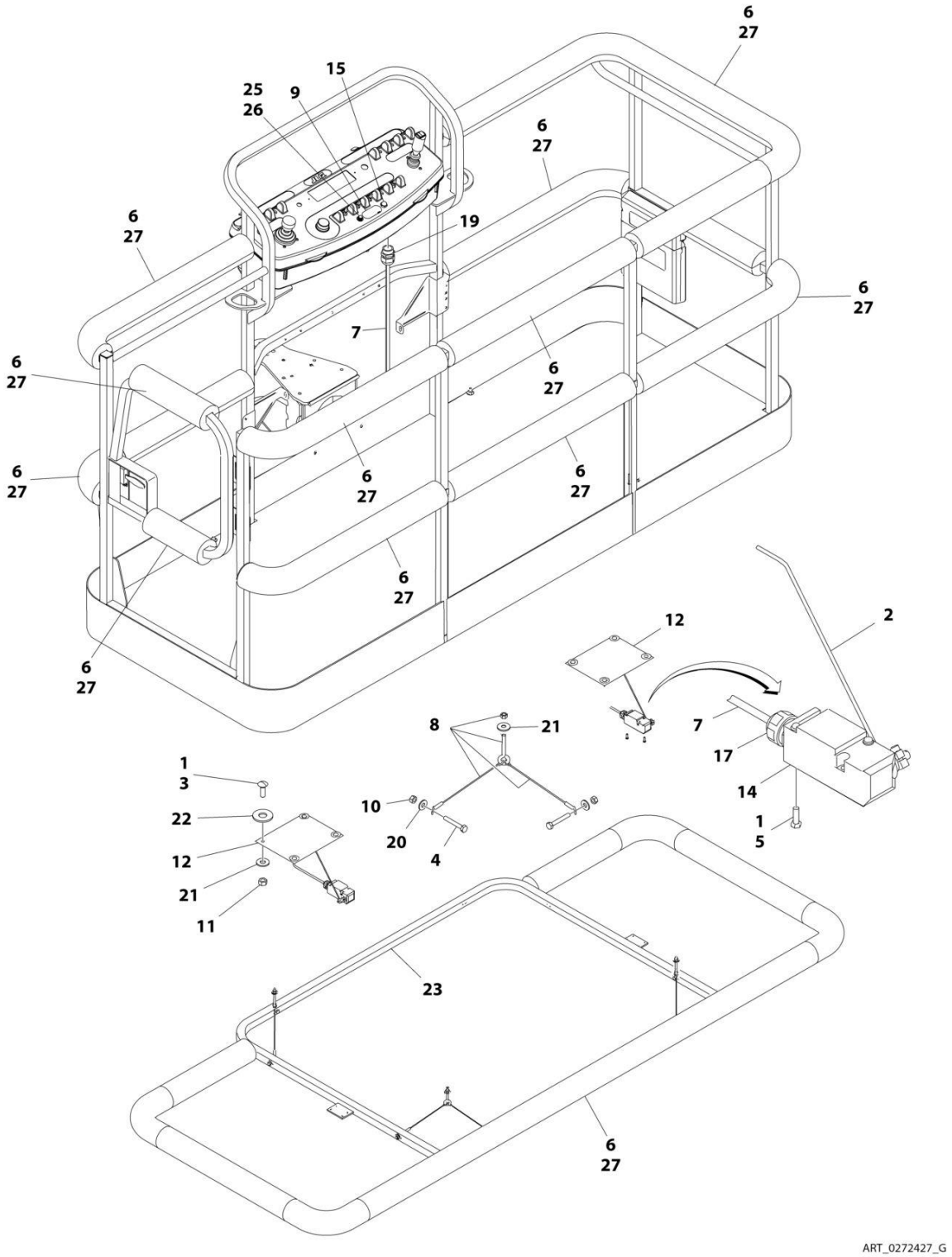


FIGURE 5-41. SOFT TOUCH INSTALLATION - 8FT (2.4M) PLATFORM (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272427	Ref	SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM (OPTIONAL)	G
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940103	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	12	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3574091	2	Plate, Switch Strike	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	AR	Tape, Adhesive	
16	1001197017	AR	Tie-Strap	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap (Not Shown)	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Washer 1/4	
21	4751500	12	Washer 5/16	
22	4751800	8	Washer 1/2	
23	4846673	1	Rail, Soft Touch	
24	4933218	1	Soft Touch Wiring Diagram (Not Shown - Reference Only)	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-42. SOFT TOUCH INSTALLATION - 8FT (2.4M) FALL ARREST PLATFORM (OPTIONAL) (600S)

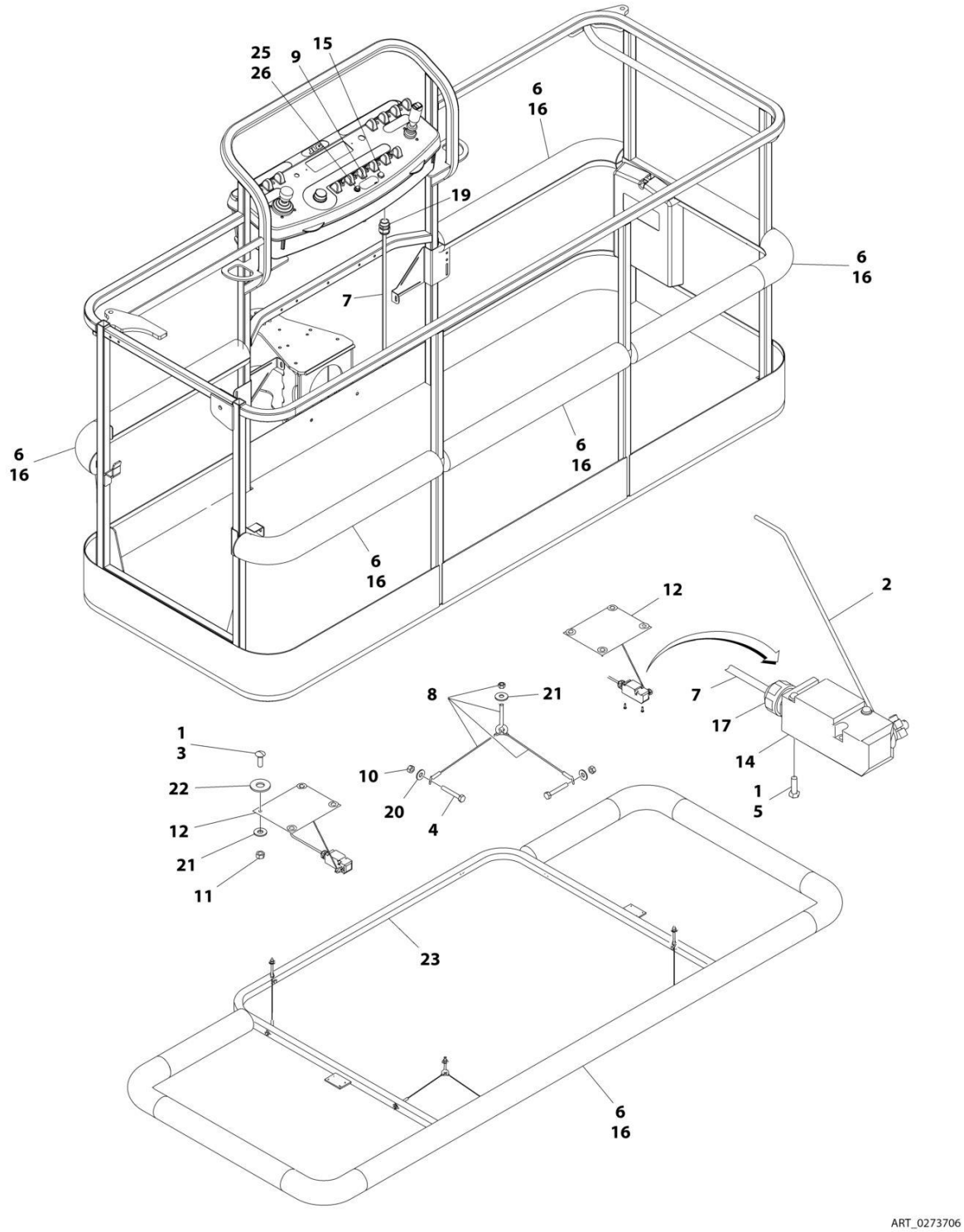


FIGURE 5-42. SOFT TOUCH INSTALLATION - 8FT (2.4M) FALL ARREST PLATFORM (OPTIONAL) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273706	Ref	SOFT TOUCH INSTALLATION	D
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt	
4	0641414	8	Bolt 1/4 x 1-3/4	
5	0721005	4	Bolt #10 x 5/8	
6	0940133	1	Bumper Kit (Includes Corners and Enough Straight Material for One Platform)	
6	0940092	8	Bumper (Corner)	
6	0940094	AR	Bumper (12ft Length)	
7	1060341	23 ft/7m	Cable, Soft Touch - 16/2	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4	
11	3311501	8	Nut 5/16	
12	3574091	2	Plate, Switch Strike	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	AR	Tape, Adhesive	
16	1001197017	AR	Tie-Strap	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap (Not Shown)	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Washer 1/4	
21	4751500	12	Washer 5/16	
22	4751800	8	Washer 1/2	
23	4846673	1	Rail, Soft Touch	
25	2920028	1	Light, Indicator	
26	2920029	1	Bulb, Light	

FIGURE 5-43. SOFT TOUCH INSTALLATION - OVERHEAD (CHINESE AND KOREAN SPECS) (OPTIONAL)

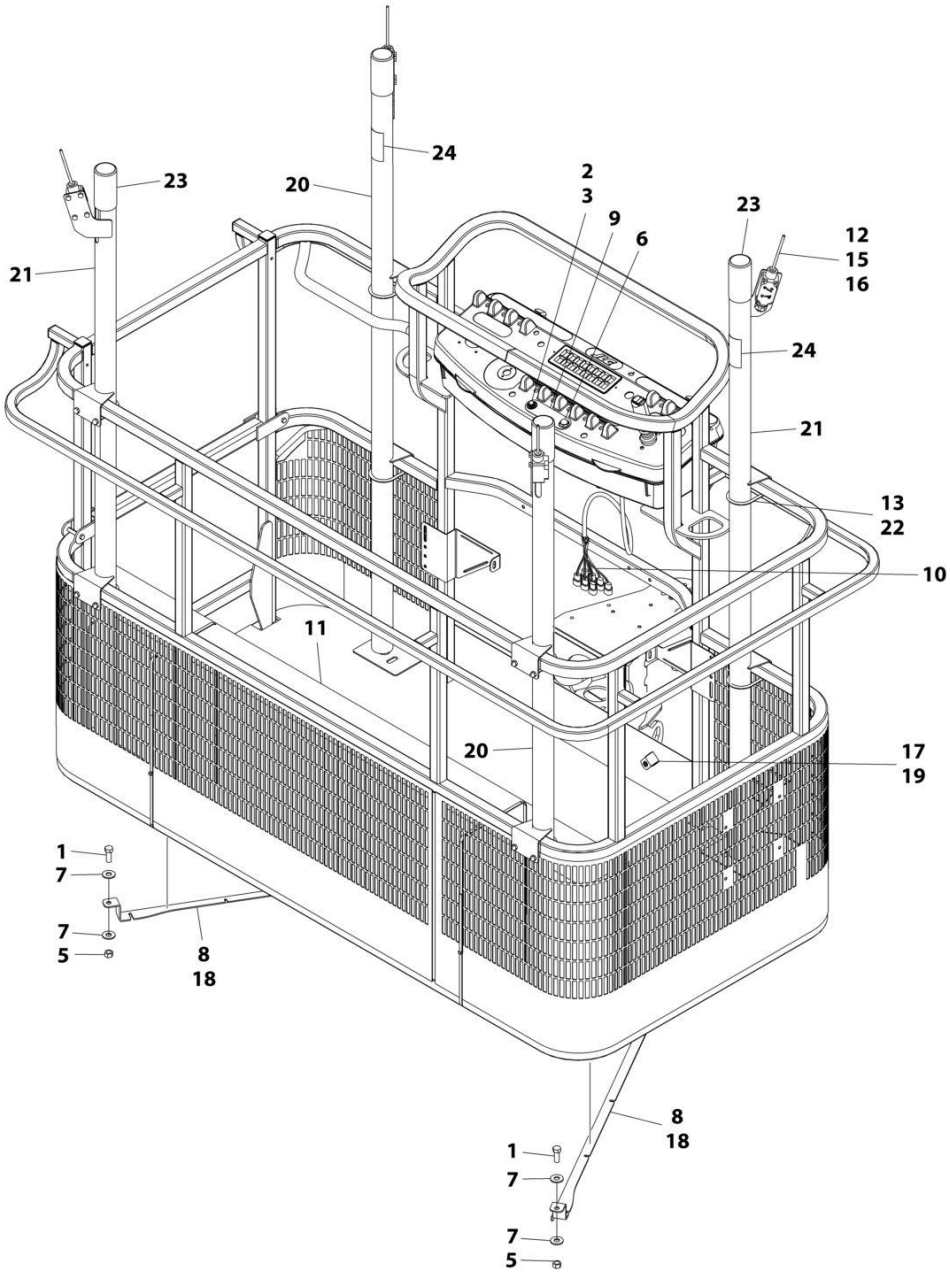


FIGURE 5-43. SOFT TOUCH INSTALLATION - OVERHEAD (CHINESE AND KOREAN SPECS) (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001110926	Ref	SOFT TOUCH INSTALLATION	C
1	0641608	4	Bolt 3/8 x 1	
2	2920028	1	Light, Indicator	
3	2920029	1	Bulb, Light	
5	3311605	4	Nut 3/8	
6	4360387	1	Switch, Push Button	
7	4751600	8	Washer 3/8	
8	1001113643	2	Bracket	
9	1001113691	1	Decal - Soft Touch Override	
10	1001113857	1	Soft Touch Harness - Overhead	
10	4460897	4	Receptacle, Female - 2 Position	
10	4460464	8	Pin, Male	
11	1001113856	Ref	Overhead Soft Touch Kit	
12	0641405	16	Bolt 1/4 x 5/8	
13	3300356	16	Nut 5/16	
14	4240099	16	Tie, Wire (Not Shown)	
15	4360477	4	Switch, Proximity	
16	4460662	4	Connector, Strain Relief	
17	4711400	2	Washer 1/4	
18	1001090615	4	Grommet	
19	1001102858	2	Clamp	
20	1001110935	2	Tube	
21	1001113741	2	Tube	
22	1001113743	8	Bolt 5/16 x 3.65	
23	1001113774	4	Cap	
24	1001131802	4	Decal - Weight	

FIGURE 5-44. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

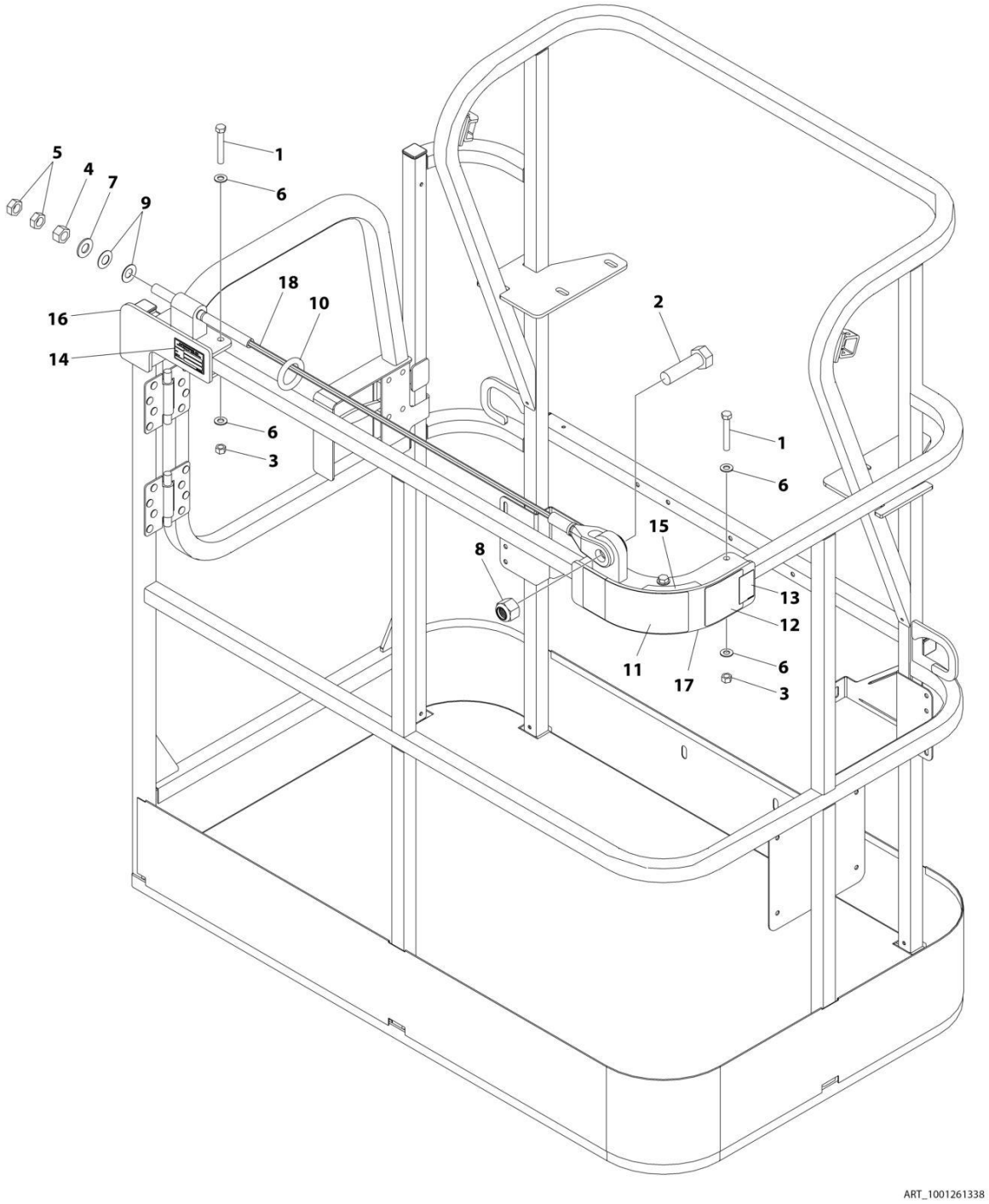


FIGURE 5-44. FALL ARREST INSTALLATION (BOLT-ON) (4FT/1.22M PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001261338	Ref	FALL ARREST INSTALLATION	A
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001236891	2	Washer	
10	1001236895	1	Ring	
11	1001238263	1	Decal - Warning Falling Hazard	
12	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
13	1001248141	1	Decal - Incription	
14	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
15	1001252629	1	Decal - Weight	
16	1001257271	1	Bracket (RH)	
17	1001257274	1	Bracket (LH)	
18	1001261335	1	Rope	

FIGURE 5-45. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)

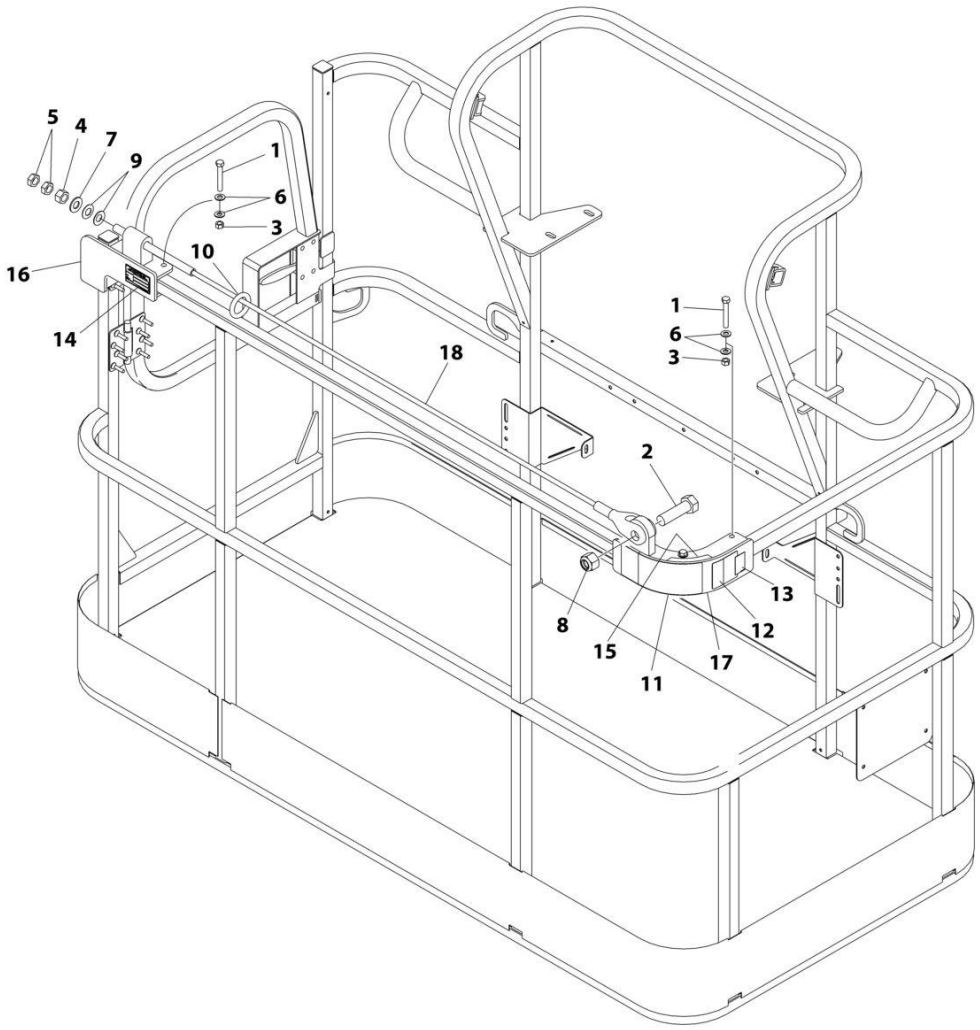


FIGURE 5-45. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (5FT/1.52M PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001257275	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	A
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001236891	2	Washer	
10	1001236895	1	Ring	
11	1001238263	1	Decal - Warning Falling Hazard	
12	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
13	1001248141	1	Decal - Incription	
14	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
15	1001252629	1	Decal - Weight	
16	1001257271	1	Bracket (RH)	
17	1001257274	1	Bracket (LH)	
18	1001258005	1	Rope	

FIGURE 5-46. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

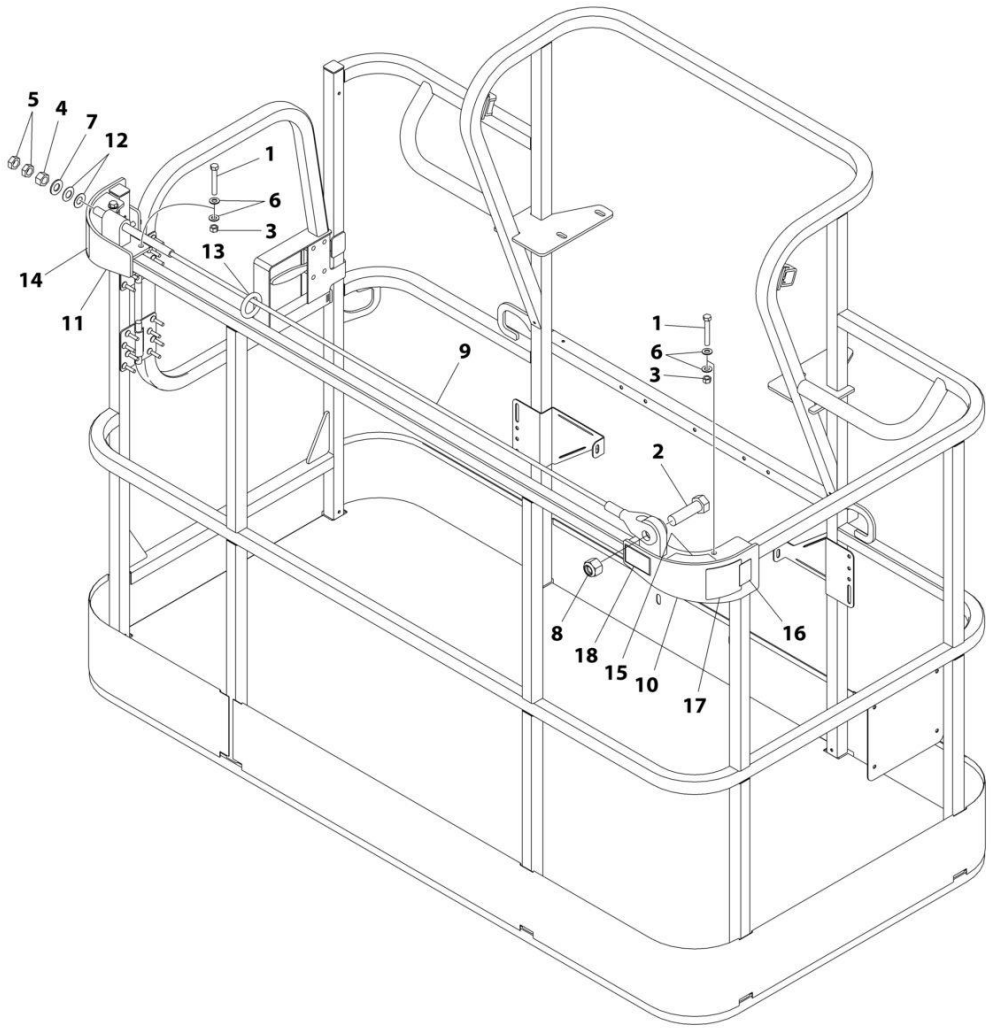


FIGURE 5-46. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236747	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231950	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

FIGURE 5-47. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

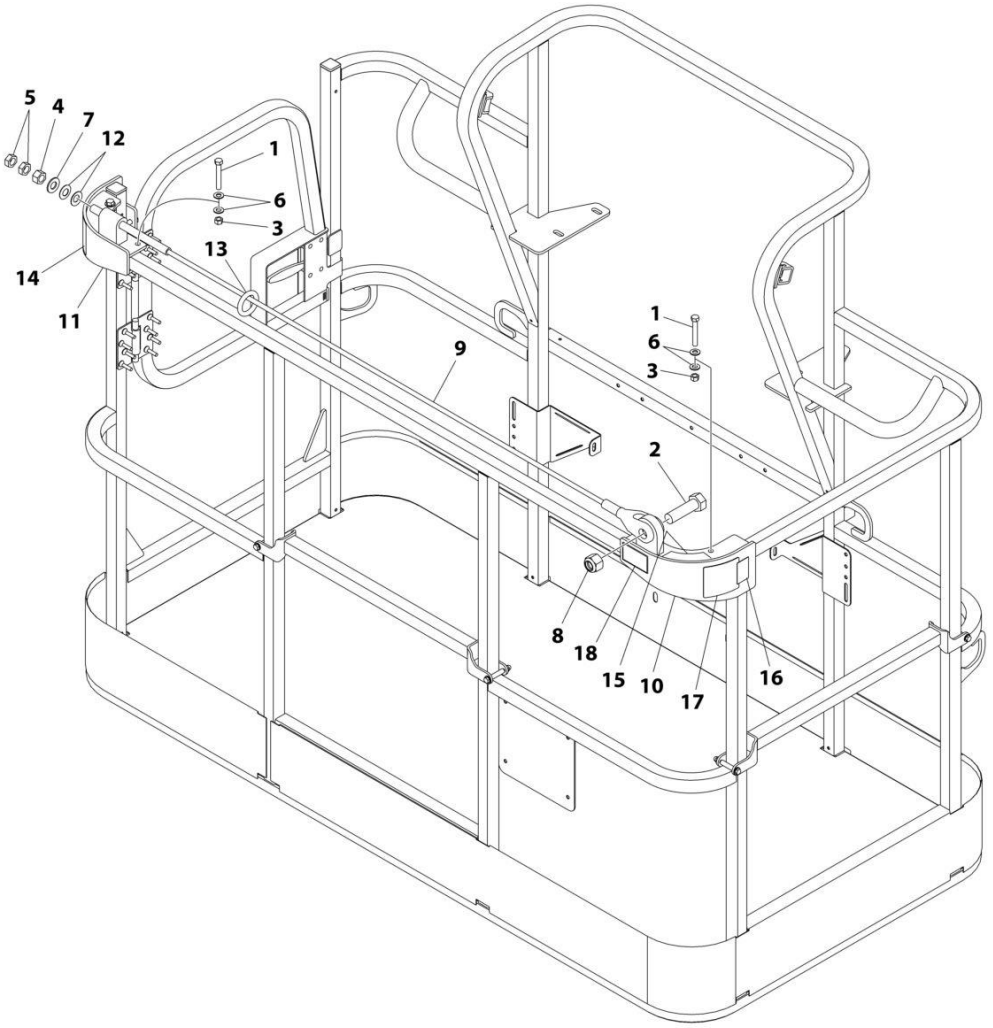


FIGURE 5-47. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (6FT/1.82M TRI-ENTRY PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238463	Ref	FALL ARREST INSTALLATION (BOLT - ON) 6FT/1.82M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231950	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

FIGURE 5-48. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

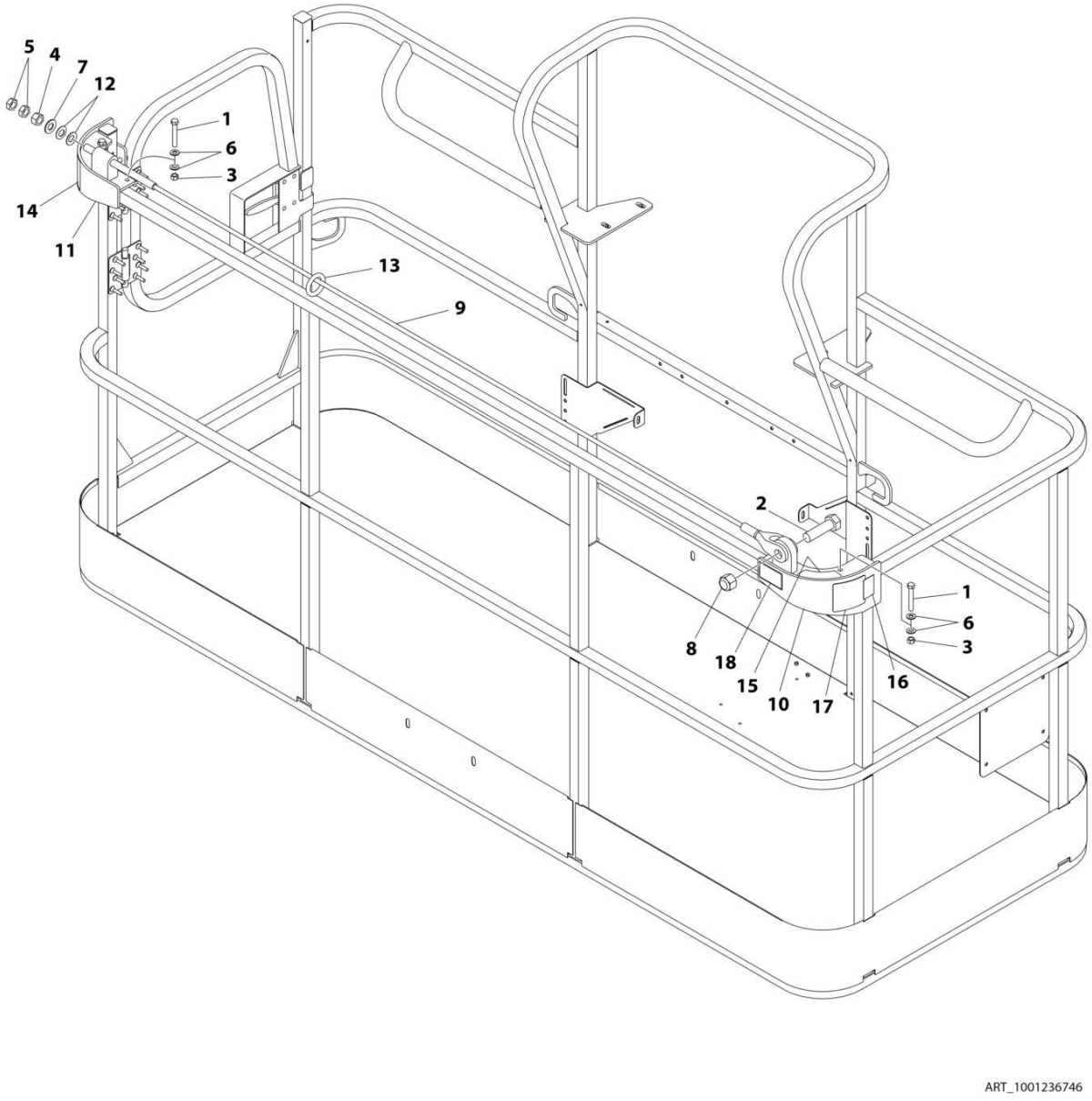


FIGURE 5-48. FALL ARREST INSTALLATION (BOLT-ON EXTERNAL) (8FT/2.4M PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236746	Ref	FALL ARREST INSTALLATION (BOLT - ON) 8FT/2.4M PLATFORM	C
1	0681620	6	Bolt 3/8 x 2-1/2	
2	0682424	1	Bolt 7/8 x 3	
3	3271605	6	Nut 3/8	
4	3272001	1	Nut 5/8	
5	3312002	2	Nut 5/8	
6	4711600	12	Washer 3/8	
7	4712000	1	Washer 5/8	
8	88521214	1	Nut 7/8	
9	1001231949	1	Rope	
10	1001232010	1	Bracket (RH)	
11	1001232011	1	Bracket (LH)	
12	1001236891	2	Washer	
13	1001236895	1	Ring	
14	1001238263	1	Decal - Warning Falling Hazard	
15	1001252629	1	Decal - Weight 23LBS/10.4KG	
16	1001248140	1	Decal - Bolt Fall Arrest Re-Cert	
17	1001248141	1	Decal - Inscription	

FIGURE 5-49. USB CHARGER INSTALLATION

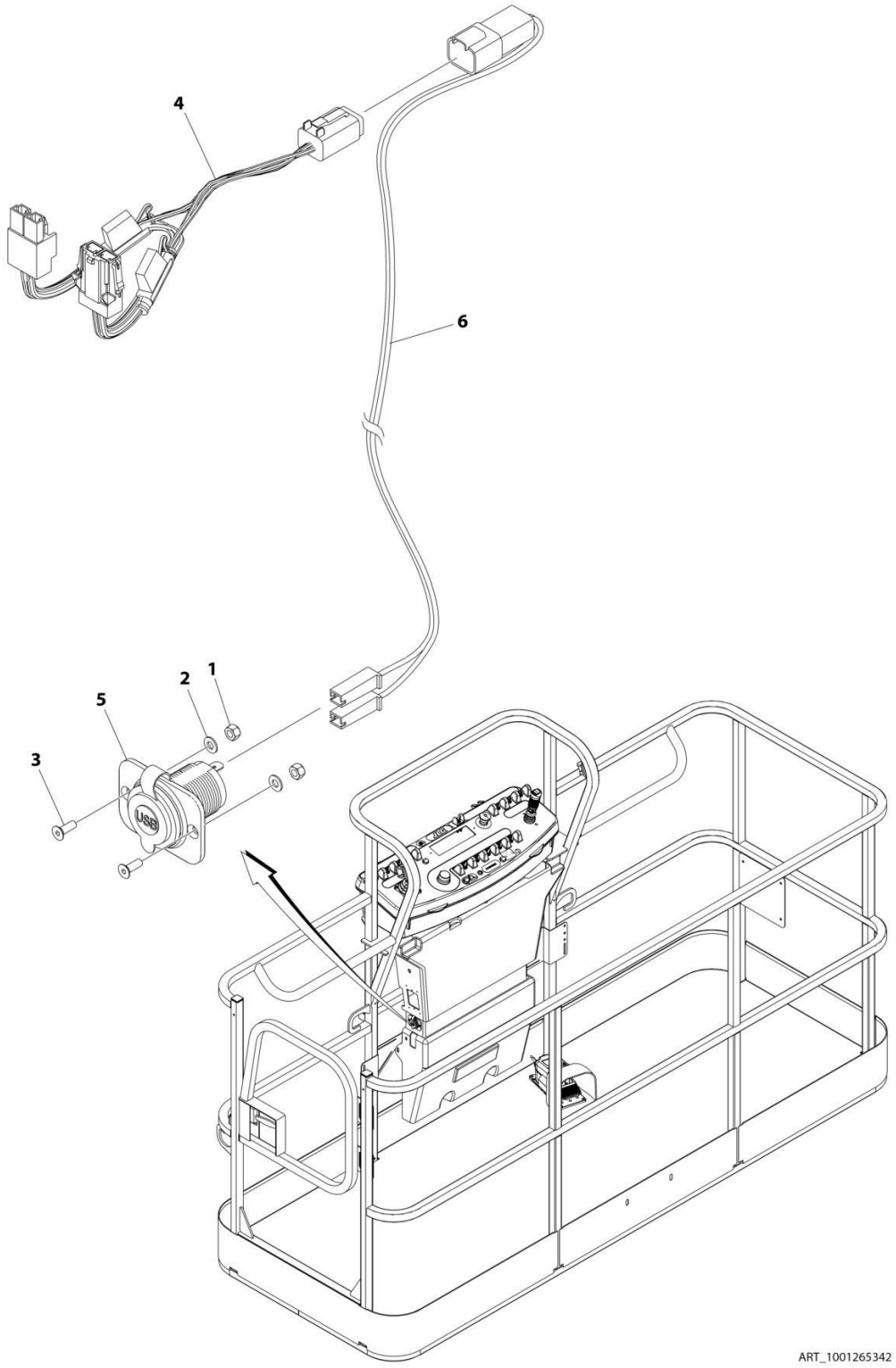


FIGURE 5-49. USB CHARGER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265342	Ref	USB CHARGER INSTALLATION	A
1	3290405	2	Nut M4	
2	4811400	2	Washer M4	
3	1001097244	2	Screw M4 x 12	
4	1001120484	1	Harness, Work Lights	
4	4460879	1	Plug, Male - 2 Position	
4	4460887	2	Terminal	
4	2400060	2	Fuseholder Includes Cover	
4	8229249	2	Fuse, 3 Amp	
4	4460884	1	Connector - 4 Position	
4	4460465	4	Socket, Female	
4	1001120471	1	Connector - 2 Position	
4	1001120477	2	Terminal	
5	1001210636	1	Receptacle, USB	
6	1001265163	1	Harness, USB	A
6	4460260	2	Cover, Terminal	
6	4460259	2	Terminal	
6	4460932	1	Receptacle, Bussbar - 4 Position	
6	4460464	2	Pin, Male	
6	4460466	2	Plug, Terminal	

SECTION 6 - CYLINDER

SECTION 6 - CYLINDER

FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

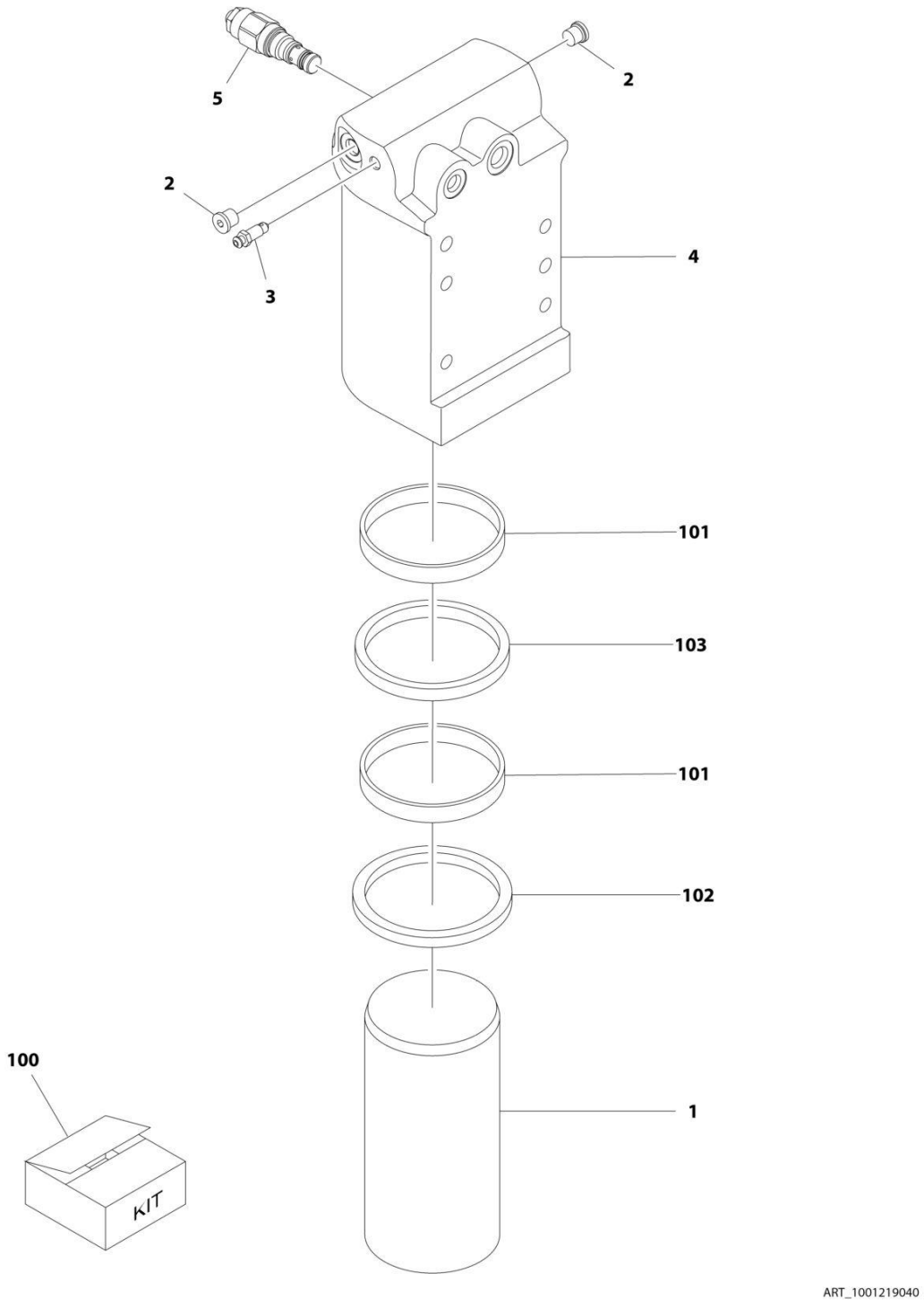


FIGURE 6-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001219040	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	A
1	1684290	1	Rod	
2	2220883	2	Plug #4	
3	4640858	1	Valve, Bleeder	
4	1001164817	1	Barrel	
5	1001218594	1	Cartridge, Valve	
5	70002842	1	Seal Kit - 1001218594 Valve	
100	2902266	1	Seal Kit - 1001219040 Cylinder (Includes Items 101-103)	
101	See Note	NSS	Ring, Wear	
102	See Note	NSS	Seal	
103	See Note	NSS	Wiper	

FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSEMBLY

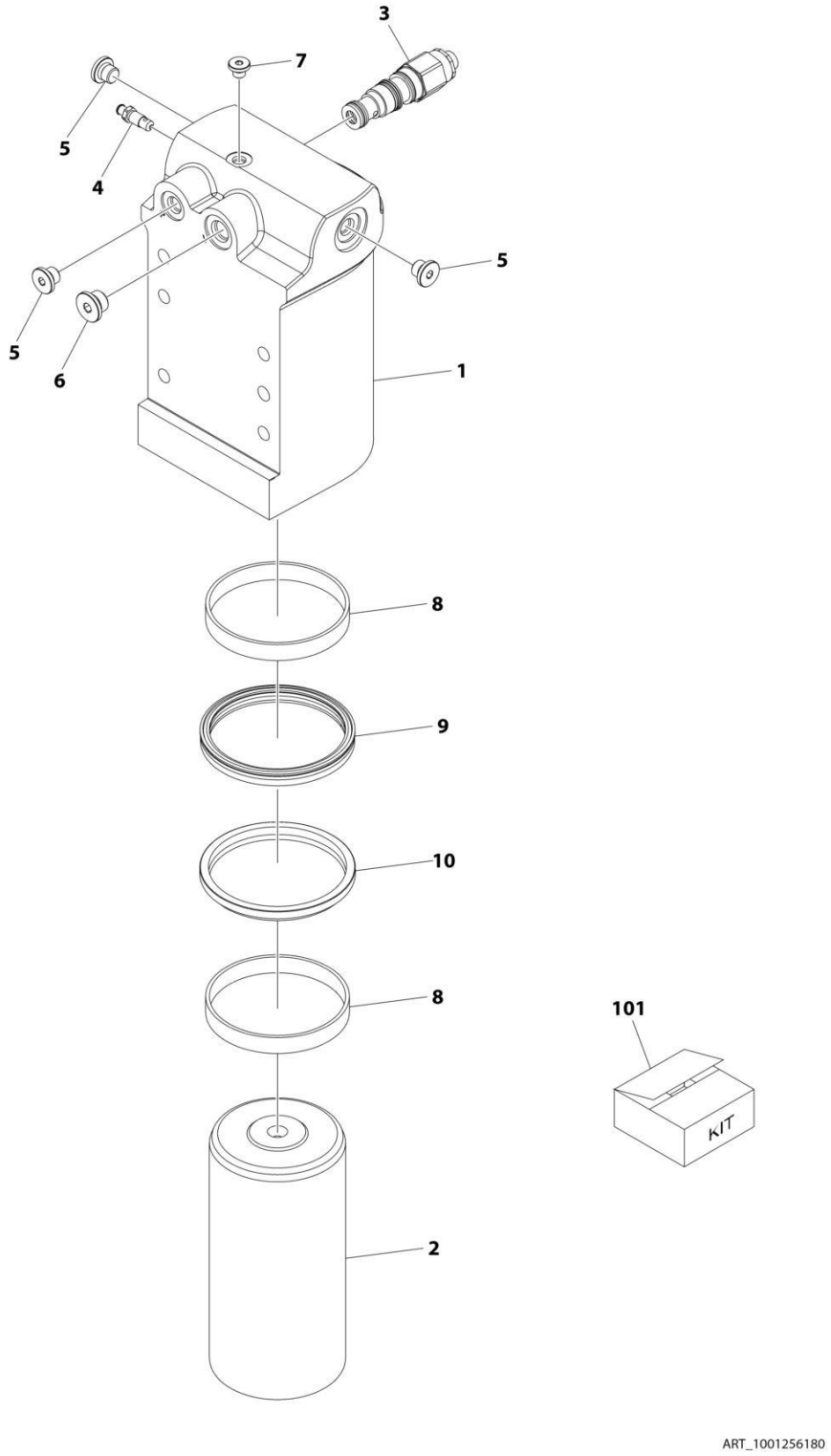


FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256180	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Tube (Note: Not Available for Purchase)	
2	70008244	1	Rod	
3	1001218594	1	Valve	
4	70008246	1	Plug, Bleeder	
5	2220883	3	Plug 7/16	
6	2220885	1	Plug 9/16	
7	2220881	1	Plug 5/16	
8	See Note	NSS	Ring, Wear (Note: Use Item 101)	
9	See Note	NSS	Seal, Rod (Note: Use Item 101)	
10	See Note	NSS	Wiper, Rod (Note: Use Item 101)	
101	70008274	1	Seal Kit (Includes Items 8-10)	

FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (600S)

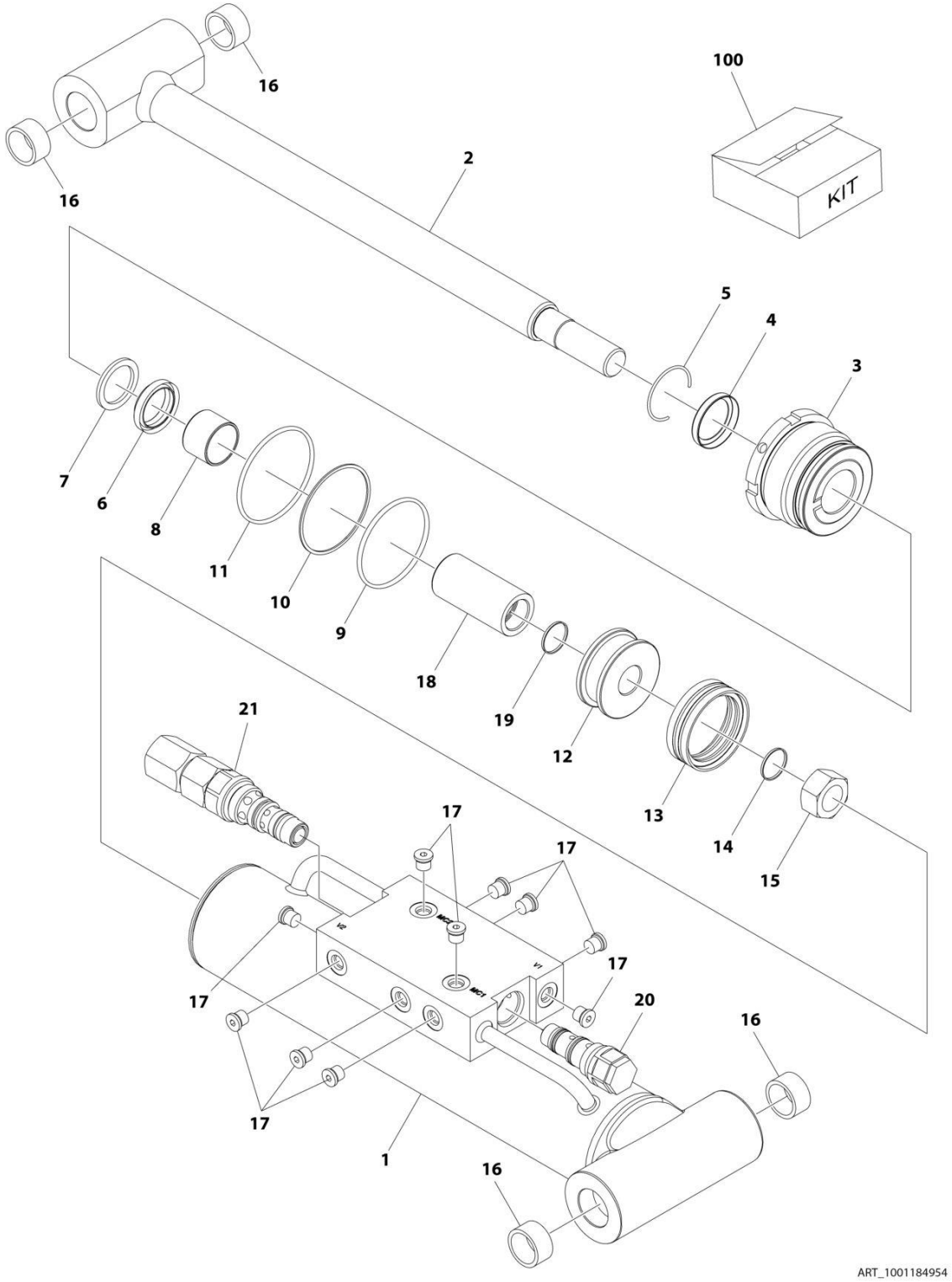


FIGURE 6-3. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184954	Ref	LEVEL CYLINDER ASSEMBLY	E
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005693	1	Barrel	
2	70005694	1	Rod	
3	70003085	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002366	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	70005695	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70002381	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70002335	1	Nut	
16	0961947	4	Bearing	
17	2220883	10	Plug	
18	70005696	1	Spacer	
19	See Note	NSS	O-Ring (Note: Use Item 100)	
20	4640999	1	Valve, Counterbalance	
20	2900792	1	Seal Kit - 4640999 Valve	
21	1001232117	1	Valve, Counterbalance	
21	7011112	1	Seal Kit - 1001232117 Valve	
100	70005697	1	Seal Kit - 1001184954 Cylinder (Includes Items 4, 6, 7, 9, 10, 11, 13, 14 & 19)	

FIGURE 6-4. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (660SJ)

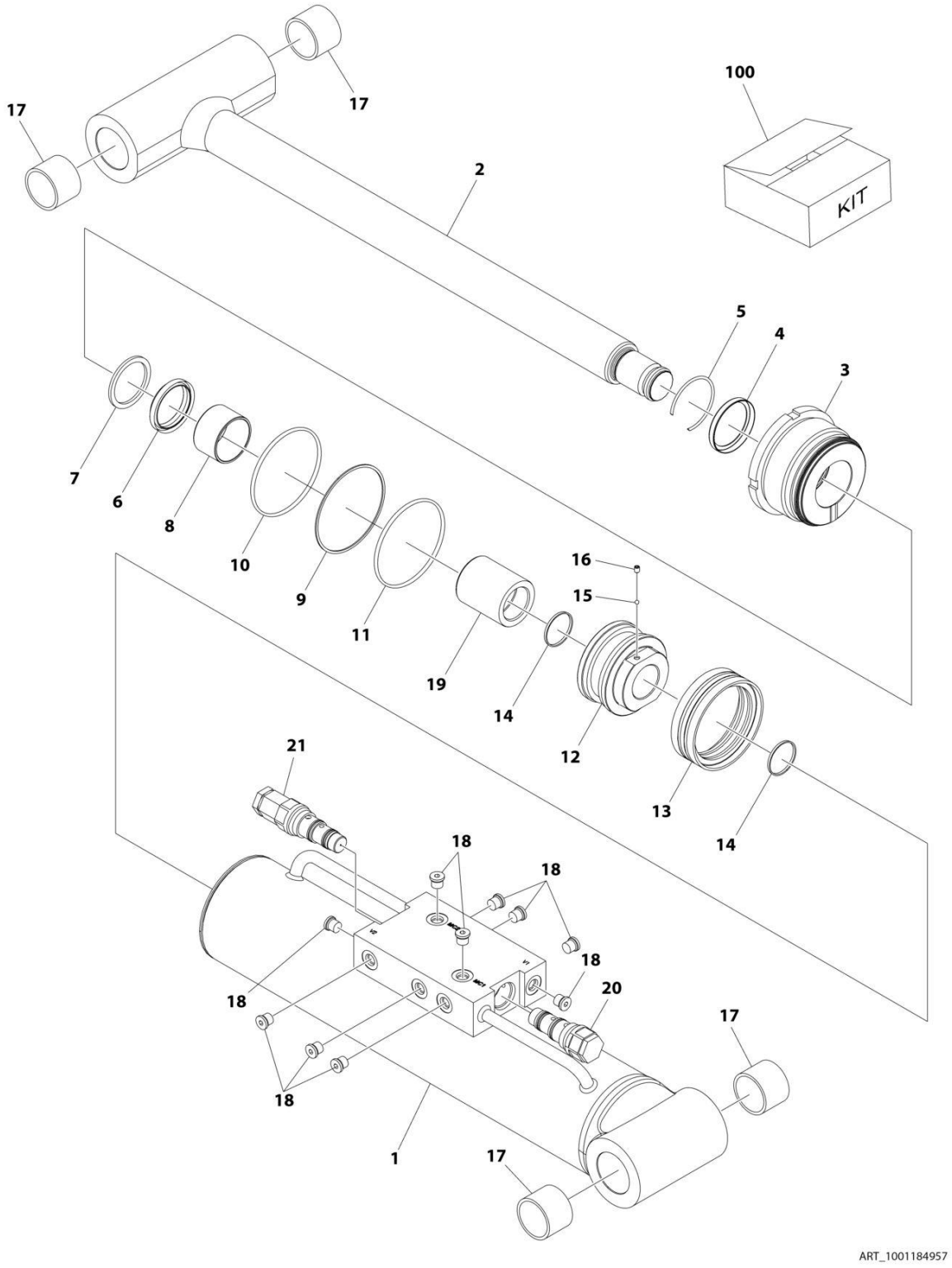


FIGURE 6-4. LEVEL CYLINDER ASSEMBLY - PLATFORM SLAVE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001184957	Ref	LEVEL CYLINDER ASSEMBLY	D
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70005698	1	Barrel	
2	70005699	1	Rod	
3	70005700	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70002410	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	70004237	1	Bearing	
9	See Note	NSS	O-Ring (Note: Use Item 100)	
10	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
11	See Note	NSS	O-Ring (Note: Use Item 100)	
12	70005701	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	70022564	1	Ball	
16	70023369	1	Setscrew	
17	0961948	4	Bearing	
18	2220883	10	Plug	
19	70005702	1	Spacer	
20	4640999	1	Valve, Counterbalance	
20	2900792	1	Seal Kit - 4640999 Valve	
21	4640932	1	Valve, Counterbalance	
21	7011112	1	Seal Kit - 4640932 Valve	
100	70005703	1	Seal Kit - 1001184957 Cylinder (Include Items 4, 6, 7, 9, 10, 11, 13 & 14)	

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FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB (660SJ) (Prior to SN 0300289745, SN 0300290280 through 0300290308)

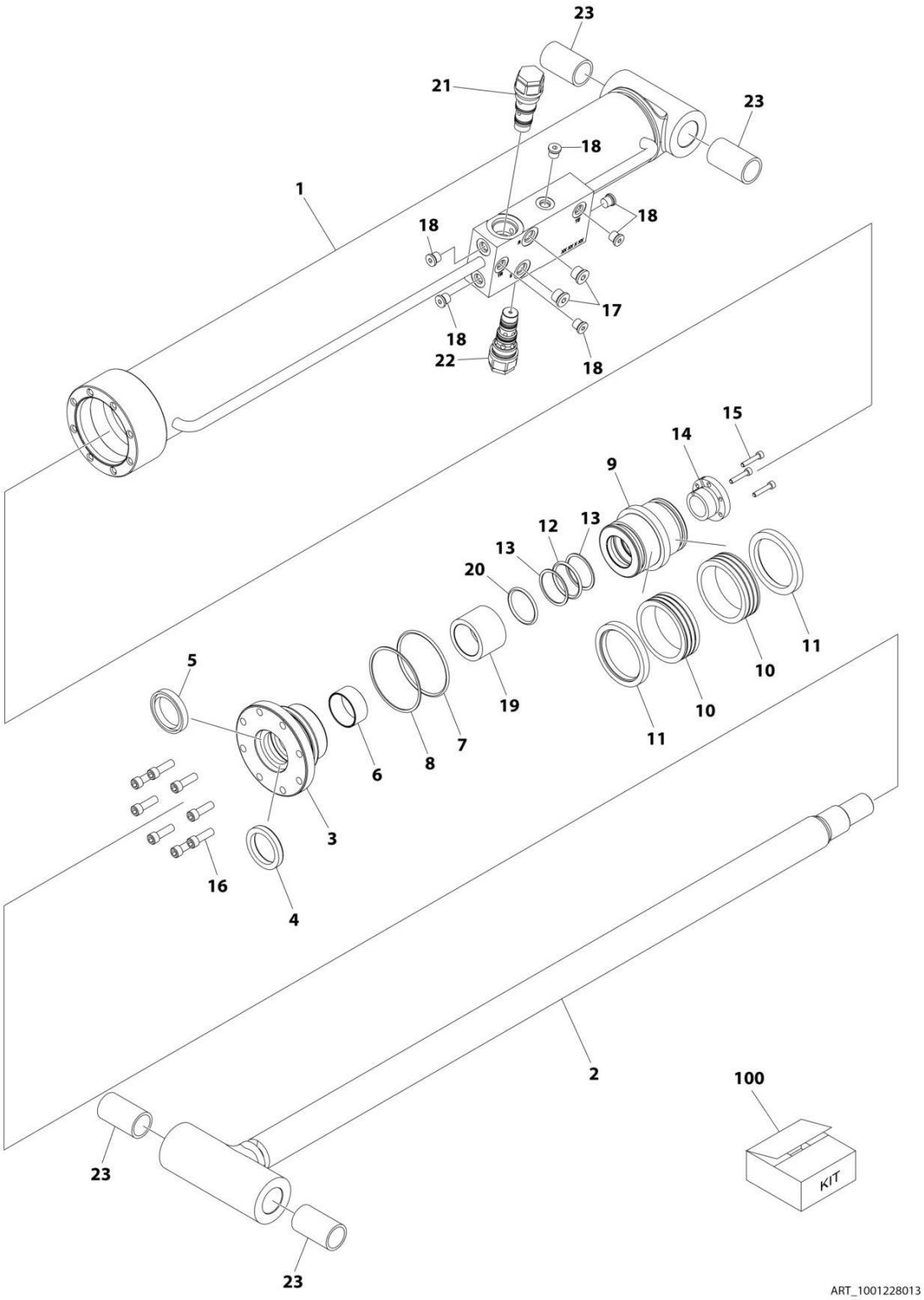


FIGURE 6-5. LIFT CYLINDER ASSEMBLY - JIB (660SJ) (Prior to SN 0300289745, SN 0300290280 through 0300290308)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228013	Ref	LIFT CYLINDER ASSEMBLY	D
		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: Not Available for Purchase)	
2	70006734	1	Rod	
3	70006649	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	See Note	NSS	Seal, Rod (Note: Use Item 100)	
6	See Note	NSS	Ring, Wear (Note: Use Item 100)	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
9	70006650	1	Piston	
10	See Note	NSS	Seal (Note: Use Item 100)	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	O-Ring (Note: Use Item 100)	
13	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
14	0961893	1	Bushing, Tapered	
15	0630534	3	Bolt #10-24NC x 1in	
16	70006735	8	Capscrew 5/16 x 1	
17	2220885	2	Plug, O-Ring #6	
18	2220883	6	Plug, O-Ring #4	
19	70006736	1	Spacer, Tube	
20	See Note	NSS	O-Ring (Note: Use Item 100)	
21	4640509	1	Cartridge, Valve	
21	2900792	1	Seal Kit - 4640509 Valve	
22	1001231963	1	Cartridge, Valve	
22	70004186	1	Seal Kit - 1001231963 Valve	
23	0962336	4	Bushing	
100	2901303	1	Seal Kit (Includes Items 4-8, 10-13 & 20)	

FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (660SJ) (SN 0300290365 to Present, SN 0300289970 through 0300290001, SN 0300290151 through 0300290204)

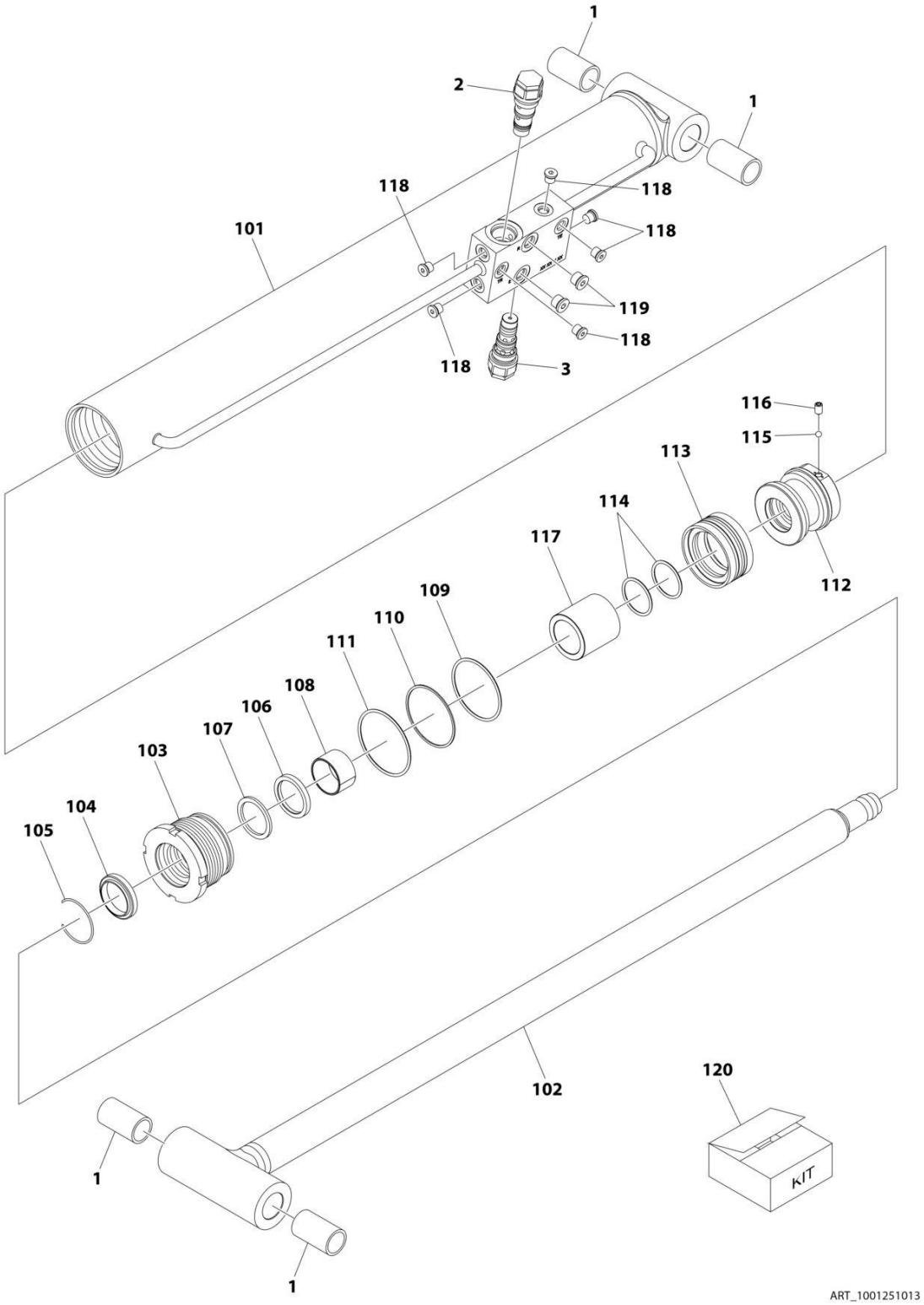


FIGURE 6-6. LIFT CYLINDER ASSEMBLY - JIB (660SJ) (SN 0300290365 to Present, SN 0300289970 through 0300290001, SN 0300290151 through 0300290204)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251013	Ref	LIFT CYLINDER ASSEMBLY	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	0962336	4	Bushing	
2	4640509	1	Cartridge, Valve	
2	2900792	1	Seal Kit - 4640509 Valve	
3	1001231963	1	Cartridge, Valve	
3	70004186	1	Seal Kit - 1001231963 Valve	
101	See Note	NSS	Tube (Note: Not Available for Purchase)	
102	70008175	1	Rod	
103	70008176	1	Head	
104	See Note	NSS	Wiper, Dust (Note: Use Item 120)	
105	70002373	1	Ring, Retaining	
106	See Note	NSS	Seal, Rod (Note: Use Item 120)	
107	See Note	NSS	Ring, Backup (Note: Use Item 120)	
108	70005871	1	Bushing	
109	See Note	NSS	O-Ring (Note: Use Item 120)	
110	See Note	NSS	Ring, Backup (Note: Use Item 120)	
111	See Note	NSS	O-Ring (Note: Use Item 120)	
112	70008177	1	Piston	
113	See Note	NSS	Seal, Piston (Note: Use Item 120)	
114	See Note	NSS	O-Ring (Note: Use Item 120)	
115	70022564	1	Ball, Steel	
116	70006596	1	Setscrew	
117	70008178	1	Spacer	
118	2220883	6	Plug 7/16	
119	2220885	2	Plug 9/16	
120	70008179	1	Seal Kit (Includes Items 104, 106-107, 109-111 & 113-114)	

SECTION 6 - CYLINDER

FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (MACHINES WITH SN STARTING WITH B3) (660SJ)

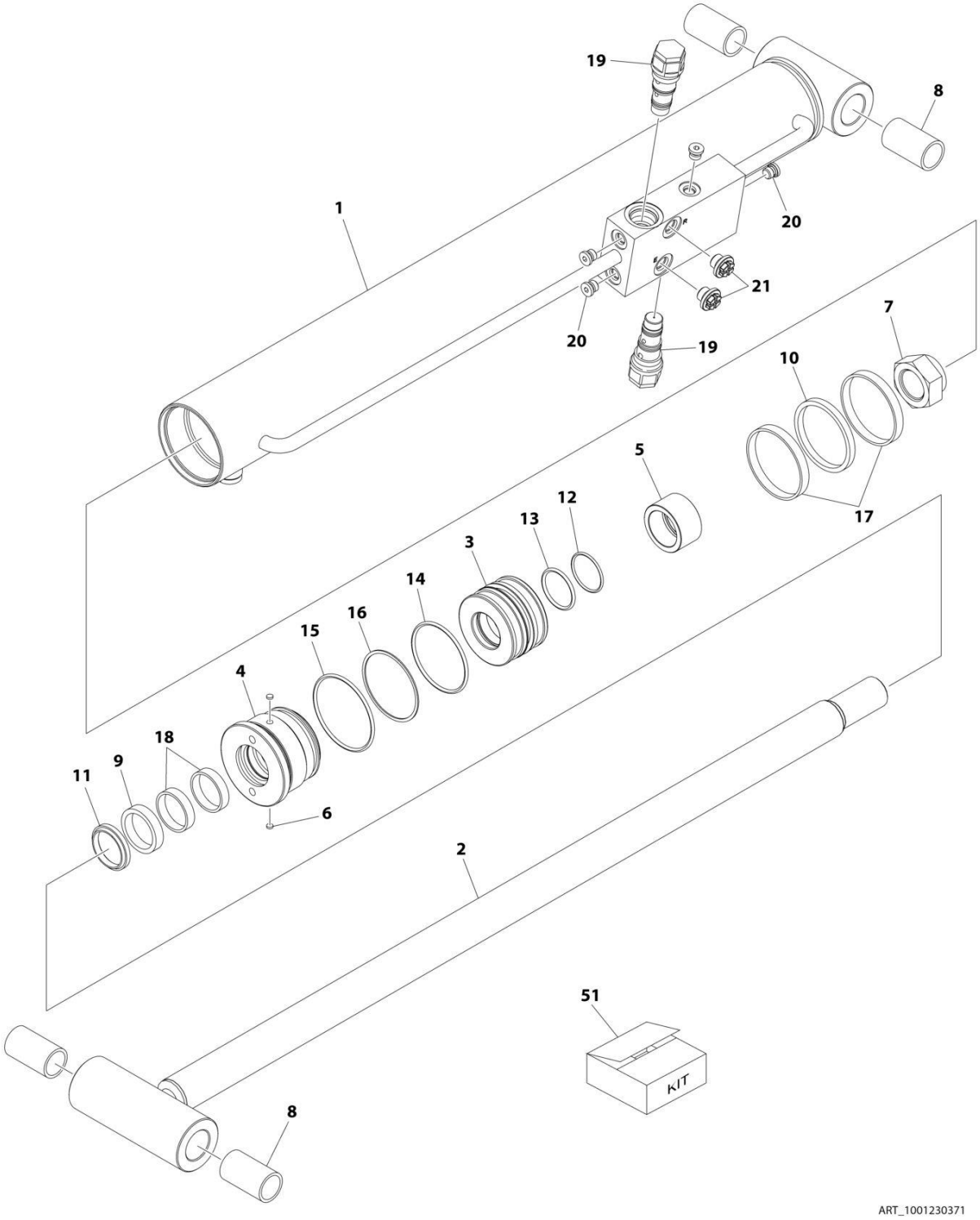


FIGURE 6-7. LIFT CYLINDER ASSEMBLY - JIB (MACHINES WITH SN STARTING WITH B3) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001230371	Ref	LIFT CYLINDER ASSEMBLY - JIB	A
		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: Purchase Complete Assembly)	
2	70006930	1	Rod	
3	70006931	1	Piston	
4	70006932	1	Head	
5	70006933	1	Spacer, Tube	
6	70003636	1	Lock, Insert	
7	70006900	1	Nut	
8	0962336	4	Bushing	
9	See Note	NSS	Seal, Rod (Note: Use Item 51)	
10	See Note	NSS	Seal, Piston (Note: Use Item 51)	
11	See Note	NSS	Wiper (Note: Use Item 51)	
12	See Note	NSS	O-Ring (Note: Use Item 51)	
13	See Note	NSS	O-Ring (Note: Use Item 51)	
14	See Note	NSS	O-Ring (Note: Use Item 51)	
15	See Note	NSS	O-Ring (Note: Use Item 51)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 51)	
17	See Note	NSS	Ring, Wear (Note: Use Item 51)	
18	See Note	NSS	Ring, Wear (Note: Use Item 51)	
19	4640509	2	Catridge, Valve	
19	2900792	2	Seal Kit - 4640509 Valve	
20	2220883	4	Plug	
21	2220885	2	Plug	
51	70006934	1	Seal Kit (Includes Item 9-18)	

FIGURE 6-8. LIFT CYLINDER ASSEMBLY - BOOM

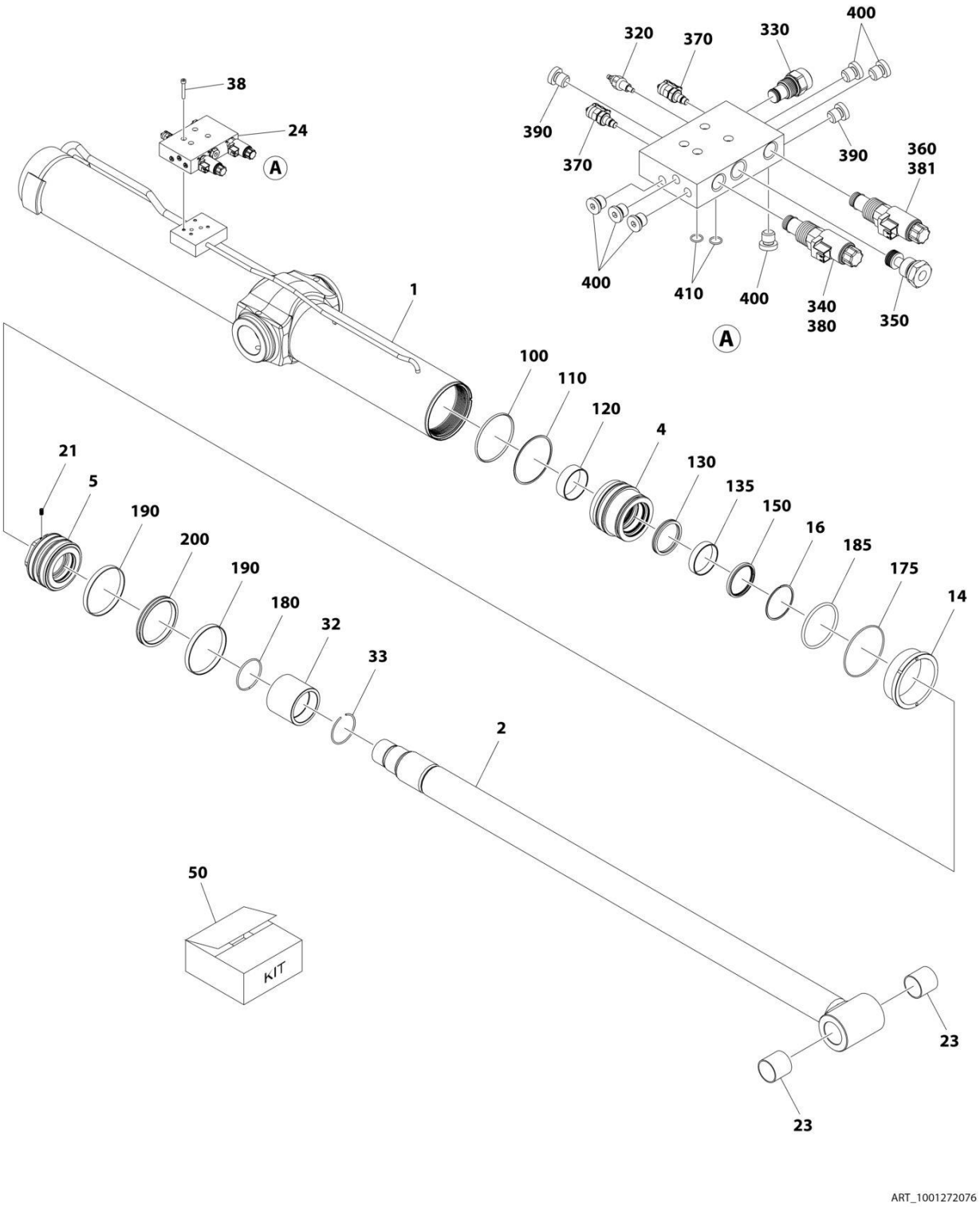


FIGURE 6-8. LIFT CYLINDER ASSEMBLY - BOOM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001272076	Ref	LIFT 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 PN 1001272076)	
2	See Note	NSS	Rod (Note: Use PN 1001272076)	
4	70005572	1	Head	
5	70025580	1	Piston	
14	70026164	1	Lock	
16	70000699	1	Ring, Retaining	
21	70025582	1	Set Screw M10 x 20	
23	70007838	2	Bushing	
24	See Note	NSS	Valve Assembly (Note: Complete Assembly Not Available - Purchase Individual Components) (See Items 320-410)	
32	70006260	1	Spacer	
33	70005575	1	Ring, Retaining	
38	70007334	4	Capscrew M8 x 55	
50	70005563	1	Seal Kit - 1001272076 Cylinder (Includes Items 100-200)	
100	See Note	NSS	O-Ring (Note: Use Item 50)	
110	See Note	NSS	Ring, Back-Up (Note: Use Item 50)	
120	See Note	NSS	Ring, Wear (Note: Use Item 50)	
130	See Note	NSS	Seal (Note: Use Item 50)	
135	See Note	NSS	Ring, Wear (Note: Use Item 50)	
150	See Note	NSS	Wiper (Note: Use Item 50)	
175	See Note	NSS	O-Ring (Note: Use Item 50)	
180	See Note	NSS	O-Ring (Note: Use Item 50)	
185	See Note	NSS	O-Ring (Note: Use Item 50)	
190	See Note	NSS	Ring (Note: Use Item 50)	
200	See Note	NSS	Seal (Note: Use Item 50)	
320	70007341	1	Cartridge	
320	70004867	1	Seal Kit - 70007341 Valve	
330	70007342	1	Cartridge, Relief	
330	7024502	1	Seal Kit - 70007342 Valve	
340	70007343	1	Cartridge, Solenoid	
350	1001271454	1	Plug	
360	70007345	1	Cartridge, Solenoid	
360	7024503	1	Seal Kit - 70007345 Valve	
370	2221086	2	Fitting, Test	
380	70007323	1	Coil	
381	70006004	1	Coil	
390	70007346	2	Orifice	
400	70026973	6	Plug 1/8	
410	70007347	2	O-Ring	

FIGURE 6-9. STEER CYLINDER ASSEMBLY

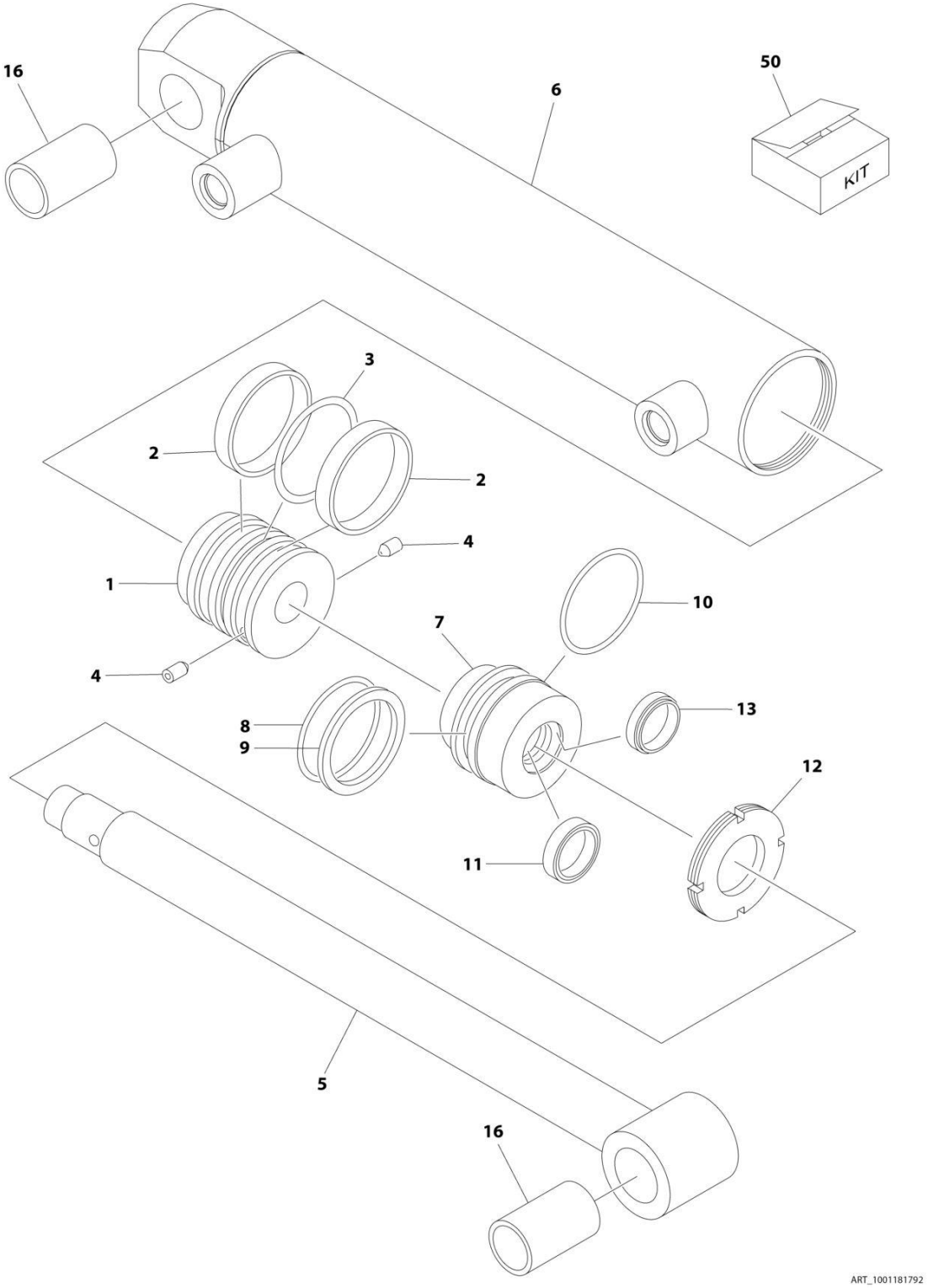


FIGURE 6-9. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001181792	Ref	STEER CYLINDER ASSEMBLY	F
		Ref	Note: Original Cylinder may have been replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	70006106	1	Piston	
2	See Note	NSS	Ring, Wear (Note: Use Item 50)	
3	See Note	NSS	Seal, Piston (Note: Use Item 50)	
4	70002745	2	Setscrew	
5	70006107	1	Rod	
6	See Note	NSS	Barrel	
7	70002755	1	Head	
8	See Note	1	O-Ring (Note: Use Item 50)	
9	See Note	NSS	Ring, Back-up (Note: Use Item 50)	
10	See Note	NSS	Ring (Note: Use Item 50)	
11	See Note	NSS	Seal, Rod (Note: Use Item 50)	
12	70002756	1	Nut, Spanner (Note: Use Item 50)	
13	See Note	NSS	Wiper (Note: Use Item 50)	
16	1001182695	2	Bearing	
50	70006108	1	Seal Kit - 1001181792 (Includes Items 2, 3, 8-11 & 13)	

FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY

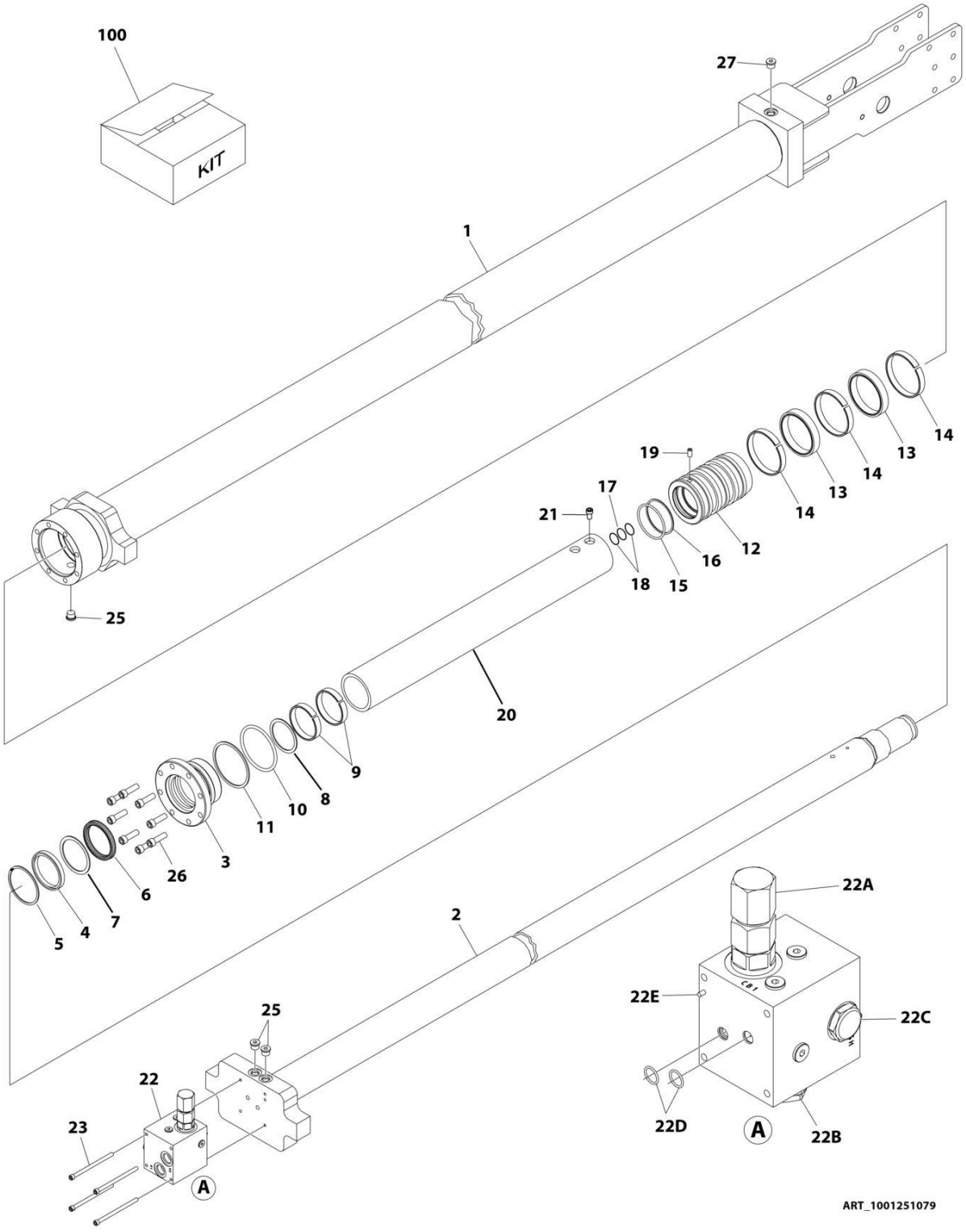
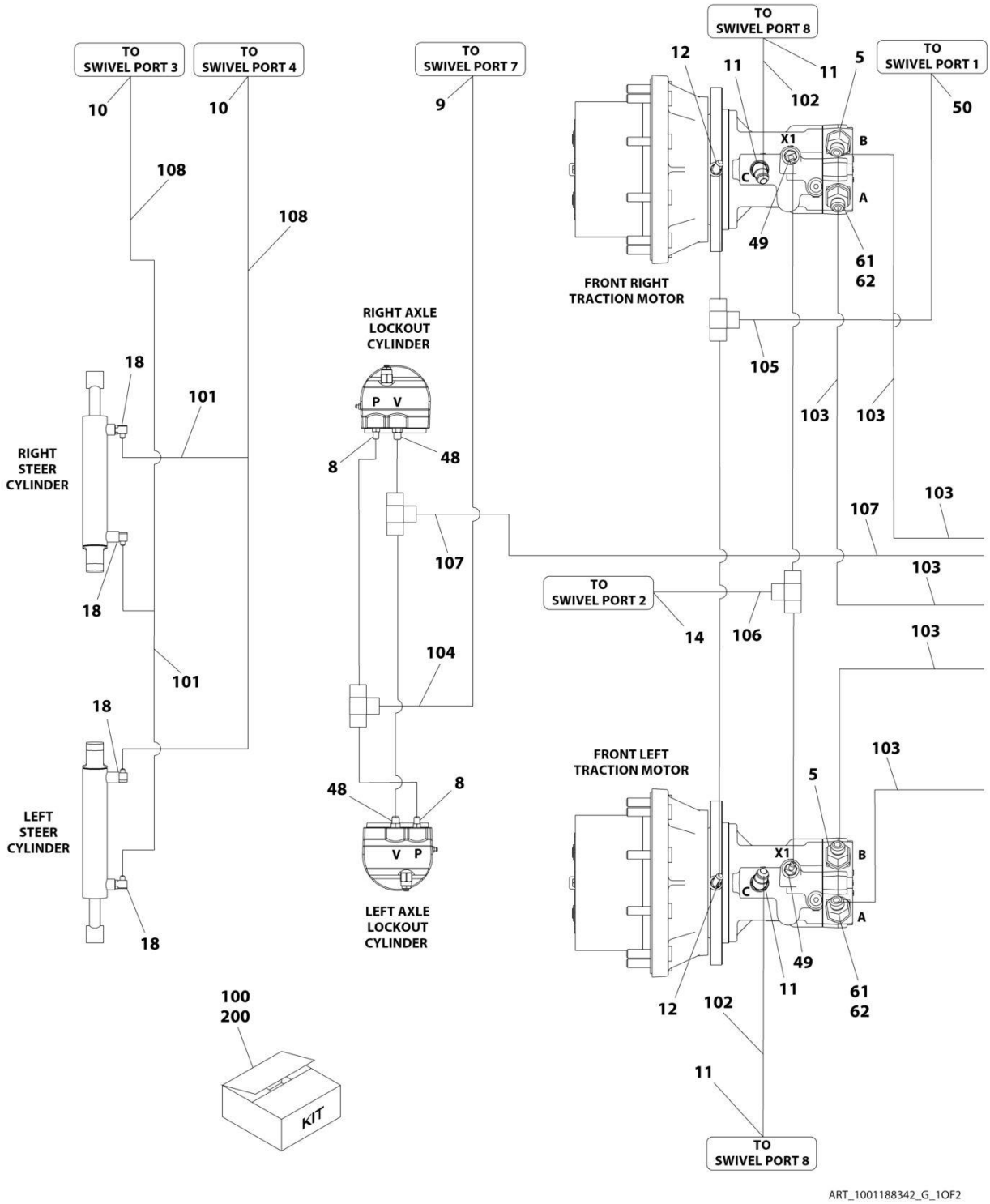


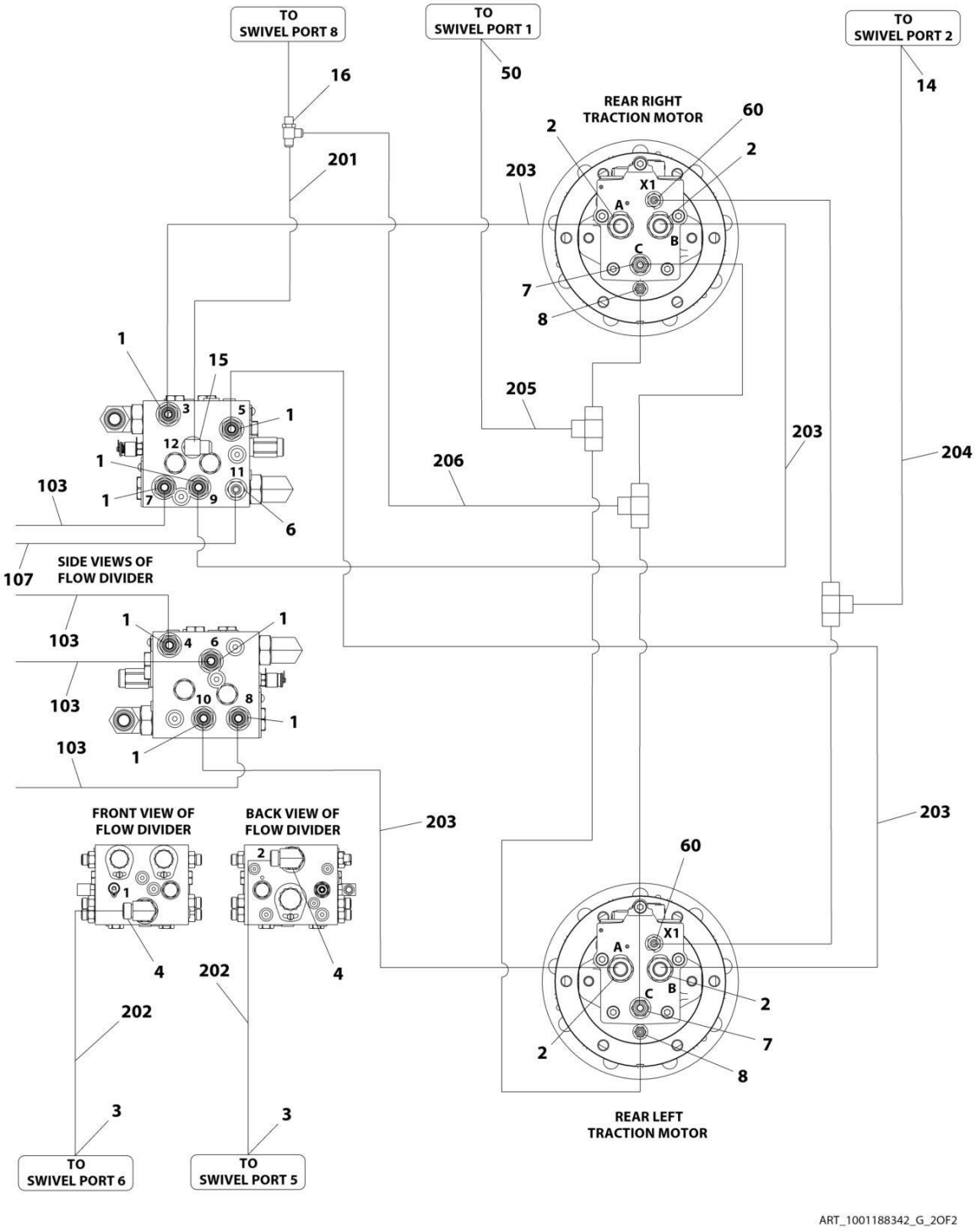
FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251079	Ref	TELESCOPE CYLINDER ASSEMBLY	B
	See Note	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 PN 1001251079)	
2	70006978	1	Rod	
3	70006979	1	Head	
4	See Note	NSS	Wiper (Note: Use Item 100)	
5	70050795	1	Ring, Retaining	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
8	See Note	NSS	Ring, Buffer (Note: Use Item 100)	
9	See Note	NSS	Ring, Wear (Note: Use Item 100)	
10	See Note	NSS	O-Ring (Note: Use Item 100)	
11	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
12	70006980	1	Piston	
13	See Note	NSS	Seal, Piston (Note: Use Item 100)	
14	See Note	NSS	Ring, Wear (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
19	70005839	1	Setscrew M8 x 12	
20	70006981	1	Spacer	
21	70006731	1	Bolt M8 x 12	
22	1001133245	1	Valve Assembly	
22A	70003926	1	Cartridge, Valve	
22A	70004186	1	Seal Kit - 70003926 Valve	
22B	70004155	1	Cartridge, Valve	
22B	70004186	1	Seal Kit - 70004155 Valve	
22C	70003928	1	Cartridge, Valve	
22C	70003929	1	Seal Kit - 70003928 Valve	
22D	70003982	2	Seal	
22E	70003930	1	Roll Pin	
23	70005595	4	Bolt M6 x 100	
25	2220885	3	Plug 9/16	
26	70006982	8	Bolt M10 x 45	
27	2220883	1	Plug 7/16	
100	70006983	1	Seal Kit - 1001251079 Cylinder (Includes Items 4, 6-11 & 13-18	

SECTION 7 - HYDRAULIC

FIGURE 7-1. DRIVE HYDRAULIC DIAGRAM (2WS WITHOUT ARCTIC PACKAGE) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)



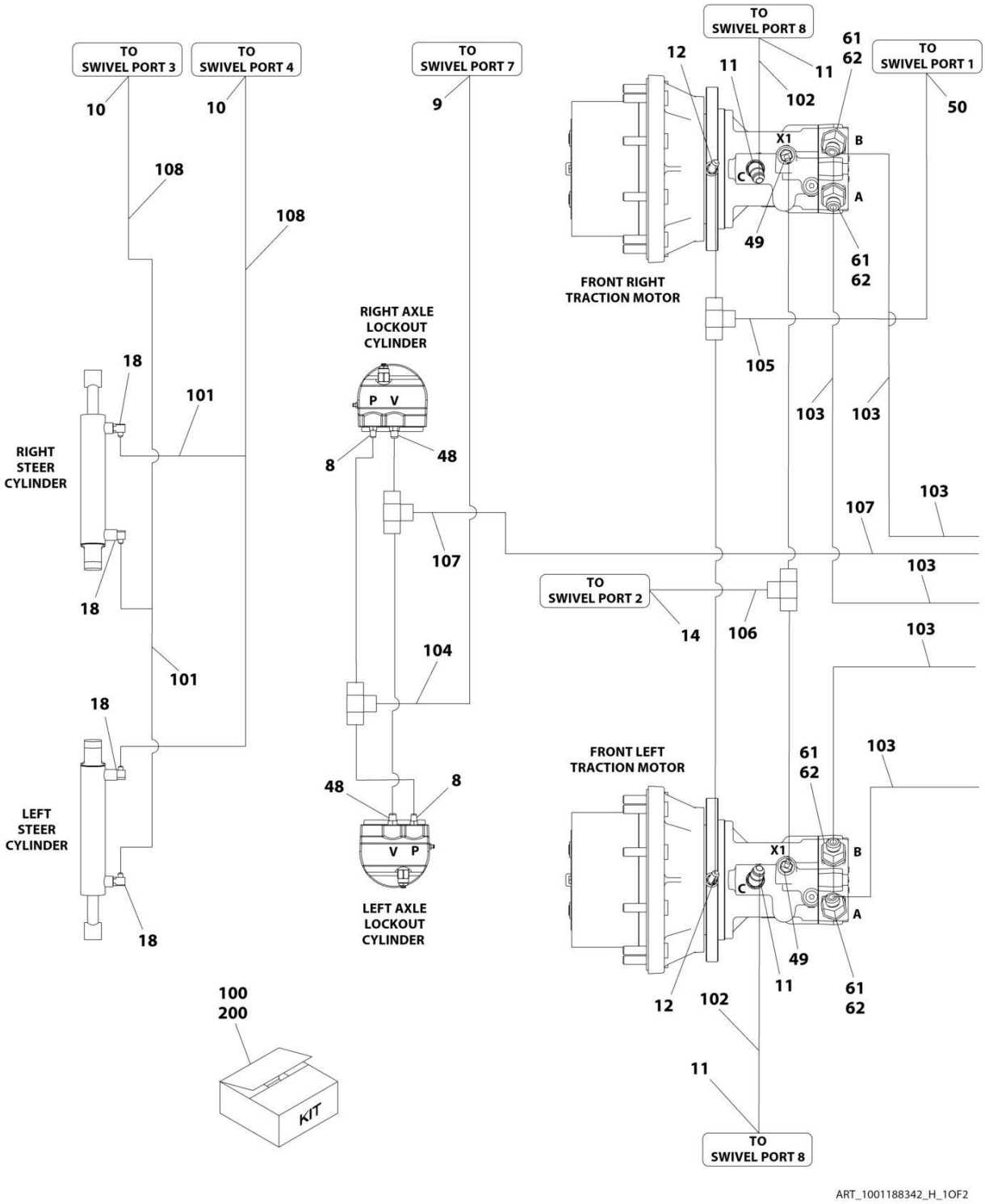


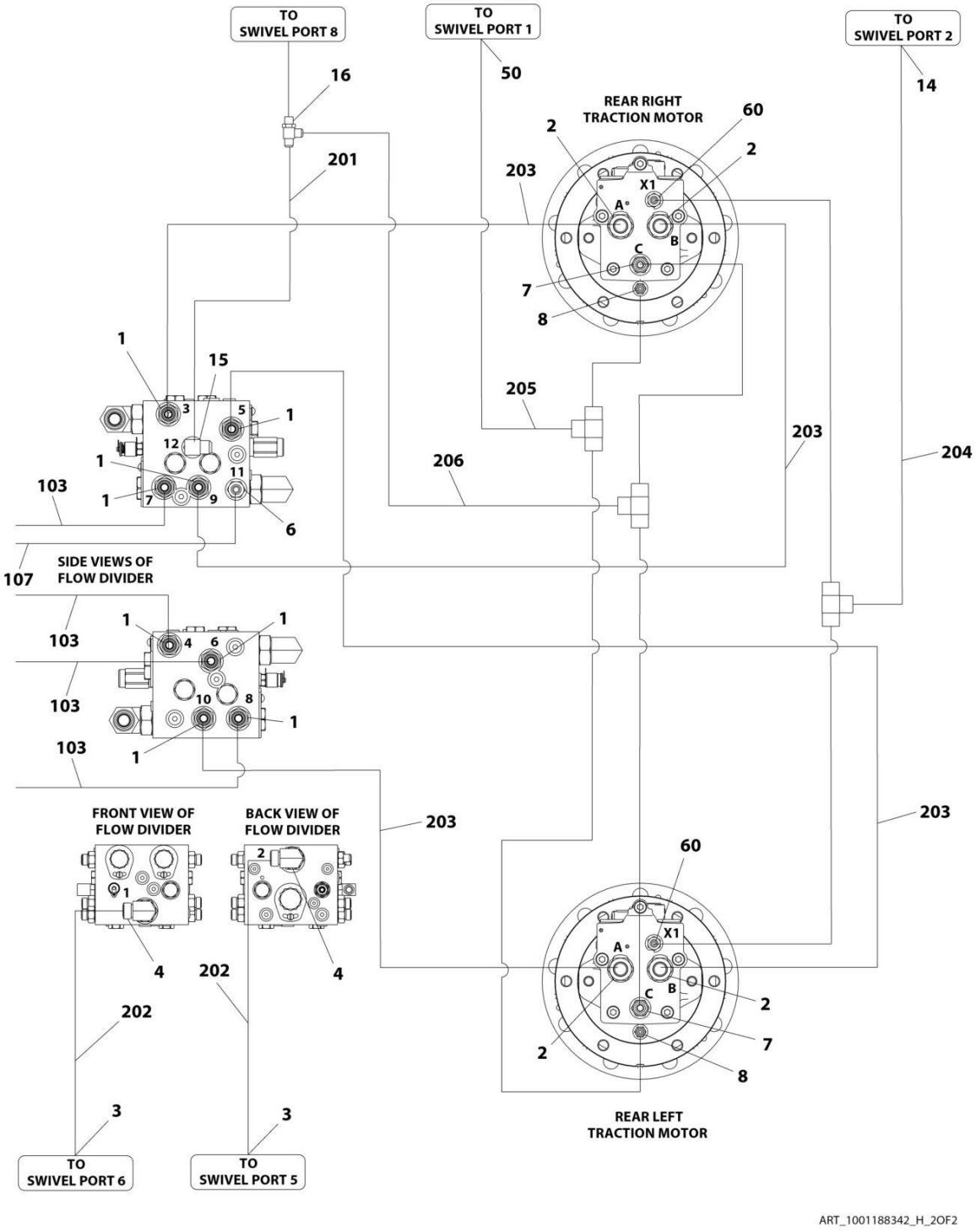
ART_1001188342_G_2OF2

FIGURE 7-1. DRIVE HYDRAULIC DIAGRAM (2WS WITHOUT ARCTIC PACKAGE) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188342	Ref	DRIVE HYDRAULIC DIAGRAM	G
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
5	2150812	2	Fitting, 45 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC ORB	
7	2220373	2	Ftiitng, Straight JIC/ORB	
8	2220415	4	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	2	Fitting, 45 JIC/ORB	
11	2220500	4	Fitting, 45 JIC/ORB	
12	2220502	2	Fitting, 45 JIC/ORB	
14	2220472	2	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	4	Fitting, 90 JIC/ORB	
23	4240018	21	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	2	Fitting, 45 JIC/ORB	
50	1001197045	2	Fitting, 90 JIC/ORB	
59	4240033	2	Tie-Strap (Not Shown)	
60	2220582	2	Fitting, Straight JIC/ORB	
61	2150808	2	Fitting, 45 ORFS/ORB	
62	2220811	2	Fitting, Straight FORB/ORB	
100	1001269909	1	Front Hose Kit	
101	1001187308	2	Hose	
102	1001187311	2	Hose	
103	1001187317	4	Hose	
104	1001199654	1	Hose	
105	1001199655	1	Hose	
106	1001199656	1	Hose	
107	1001199661	1	Hose	
108	1001200432	2	Hose	
200	1001269908	1	Rear Hose Kit	
201	1001187312	1	Hose	
202	1001187318	2	Hose	
203	1001188763	4	Hose	
204	1001199657	1	Hose	
205	1001199658	1	Hose	
206	1001199662	1	Hose	

FIGURE 7-2. DRIVE HYDRAULIC DIAGRAM (2WS WITHOUT ARCTIC PACKAGE) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)



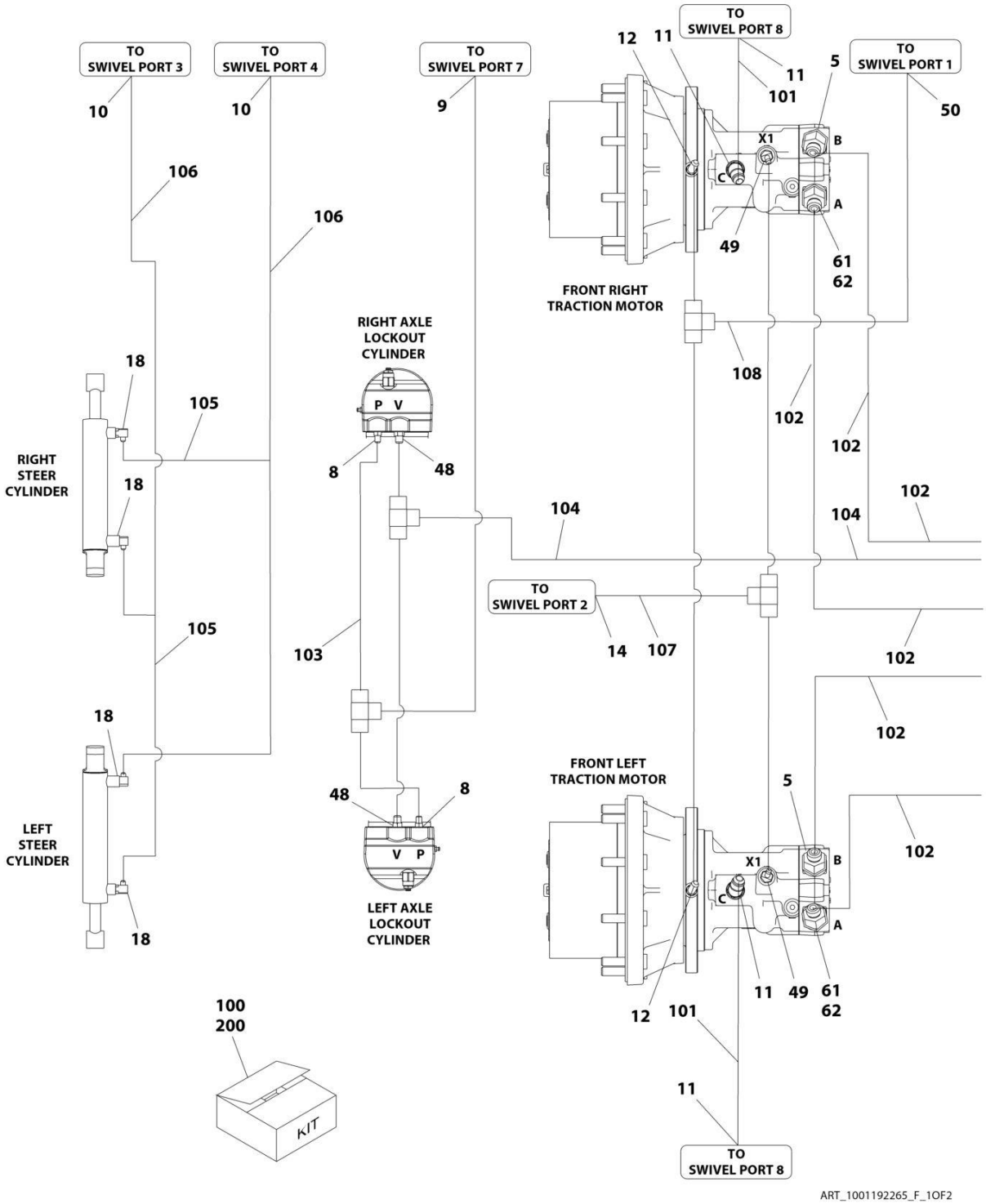


ART_1001188342_H_2OF2

FIGURE 7-2. DRIVE HYDRAULIC DIAGRAM (2WS WITHOUT ARCTIC PACKAGE) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188342	Ref	DRIVE HYDRAULIC DIAGRAM	H
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC ORB	
7	2220373	2	Ftiitng, Straight JIC/ORB	
8	2220415	4	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	2	Fitting, 45 JIC/ORB	
11	2220500	4	Fitting, 45 JIC/ORB	
12	2220502	2	Fitting, 45 JIC/ORB	
14	2220472	2	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	4	Fitting, 90 JIC/ORB	
23	4240018	21	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	2	Fitting, 45 JIC/ORB	
50	1001197045	2	Fitting, 90 JIC/ORB	
59	4240033	2	Tie-Strap (Not Shown)	
60	2220582	2	Fitting, Straight JIC/ORB	
61	2150808	4	Fitting, 45 ORFS/ORB	
62	2220811	4	Fitting, Straight FORB/ORB	
100	1001269909	1	Front Hose Kit	
101	1001187308	2	Hose	
102	1001187311	2	Hose	
103	1001187317	4	Hose	
104	1001199654	1	Hose	
105	1001199655	1	Hose	
106	1001199656	1	Hose	
107	1001199661	1	Hose	
108	1001200432	2	Hose	
200	1001269908	1	Rear Hose Kit	
201	1001187312	1	Hose	
202	1001187318	2	Hose	
203	1001188763	4	Hose	
204	1001199657	1	Hose	
205	1001199658	1	Hose	
206	1001199662	1	Hose	

FIGURE 7-3. DRIVE HYDRAULIC DIAGRAM (2WS WITH ARCTIC PACKAGE) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)



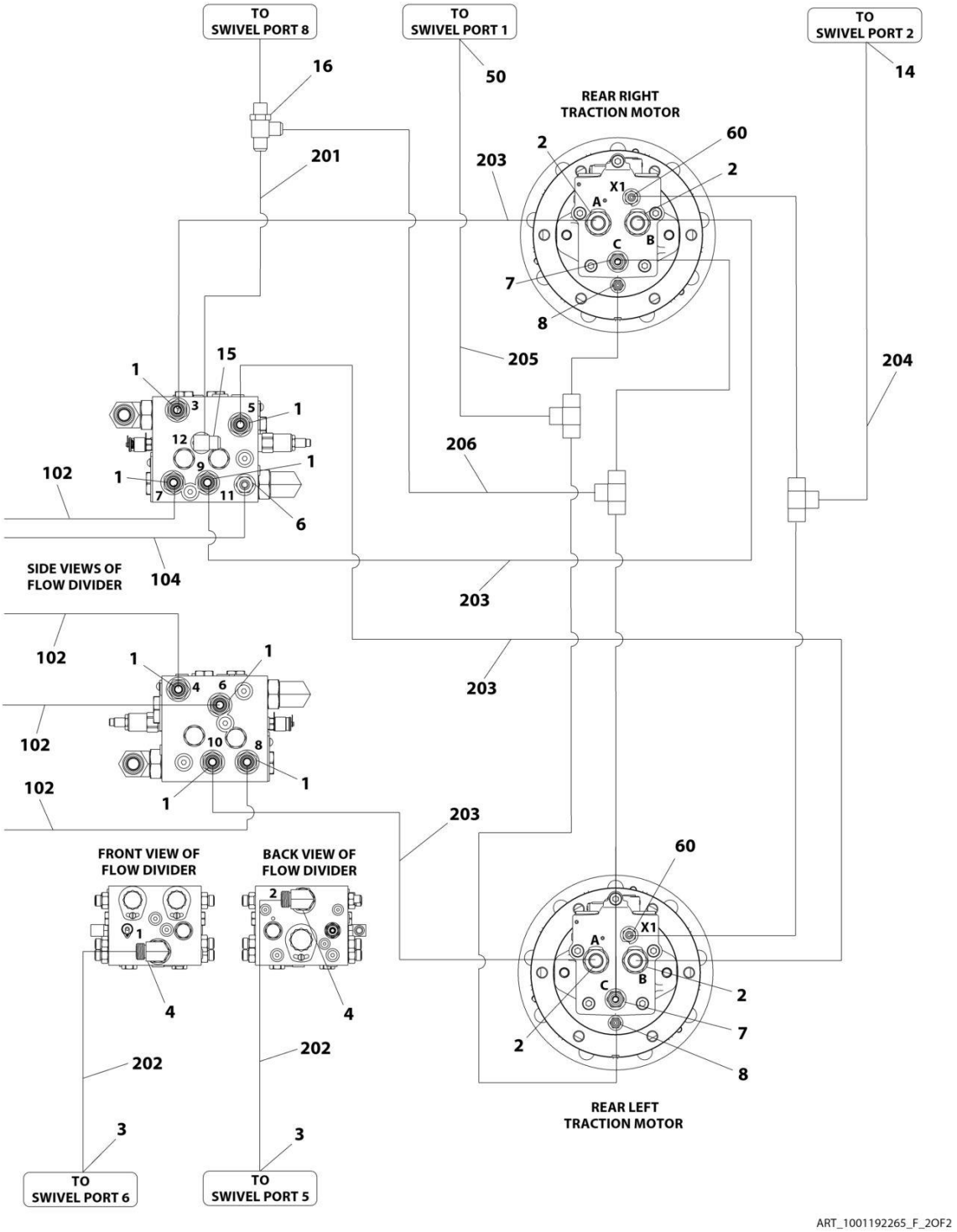
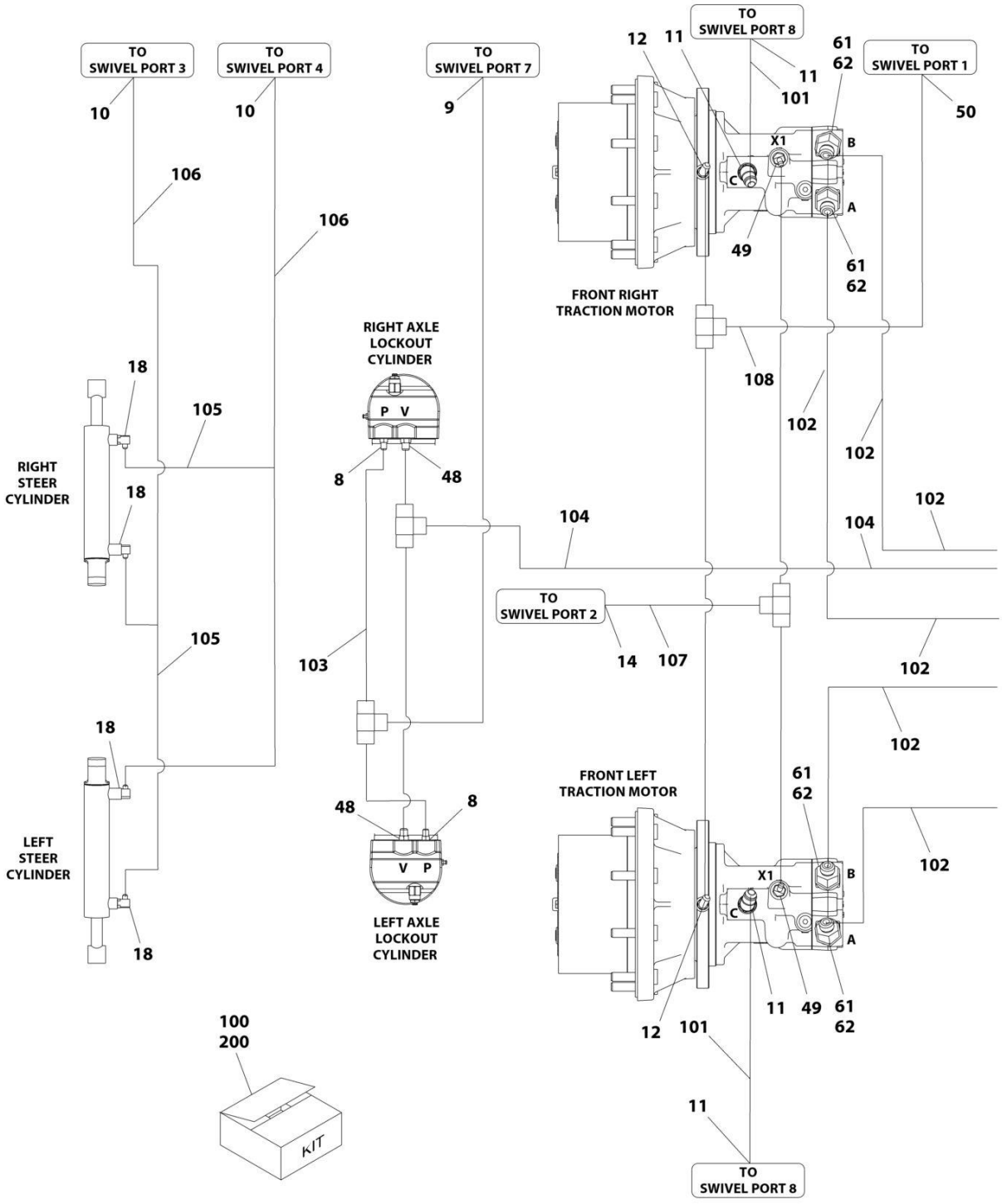

TO SWIVEL PORT 8
TO SWIVEL PORT 1
TO SWIVEL PORT 2
16
50
14
REAR RIGHT TRACTION MOTOR
201
203
60
2
X1
A
B
C
7
8
205
204
206
15
1
3
5
12
9
11
102
104
6
SIDE VIEWS OF FLOW DIVIDER
4
10
FRONT VIEW OF FLOW DIVIDER
BACK VIEW OF FLOW DIVIDER
202
3
TO SWIVEL PORT 6
TO SWIVEL PORT 5
REAR LEFT TRACTION MOTOR
ART_1001192265_F_2OF2

FIGURE 7-3. DRIVE HYDRAULIC DIAGRAM (2WS WITH ARCTIC PACKAGE) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192265	Ref	DRIVE HYDRAULIC DIAGRAM	F
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
5	2150812	2	Fitting, 45 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC/ORB	
7	2220373	2	Fitting, Straight JIC/ORB	
8	2220415	4	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	2	Fitting, 45 JIC/ORB	
11	2220500	4	Fitting, 45 JIC/ORB	
12	2220502	2	Fitting, 45 JIC/ORB	
14	2220472	2	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	4	Fitting, 90 JIC/ORB	
23	4240018	21	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	2	Fitting, 45 JIC/ORB	
50	1001197045	2	Fitting, 90 JIC/ORB	
59	4240033	2	Tie-Strap (Not Shown)	
60	2220582	2	Fitting, Straight JIC/ORB	
61	2150808	2	Fitting, 45 ORFS/ORB	
62	2220811	2	Fitting, Straight FORB/ORB	
100	1001269910	1	Arctic Front Hose Kit	
101	1001193610	2	Hose	
102	1001193611	4	Hose	
103	1001199654	1	Hose	
104	1001169661	1	Hose	
105	1001203853	2	Hose	
106	1001203854	2	Hose	
107	1001203859	1	Hose	
108	1001203860	1	Hose	
200	1001269908	1	Rear Hose Kit	
201	1001187312	1	Hose	
202	1001187318	2	Hose	
203	1001188763	4	Hose	
204	1001199657	1	Hose	
205	1001199658	1	Hose	
206	1001199662	1	Hose	

FIGURE 7-4. DRIVE HYDRAULIC DIAGRAM (2WS WITH ARCTIC PACKAGE) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)



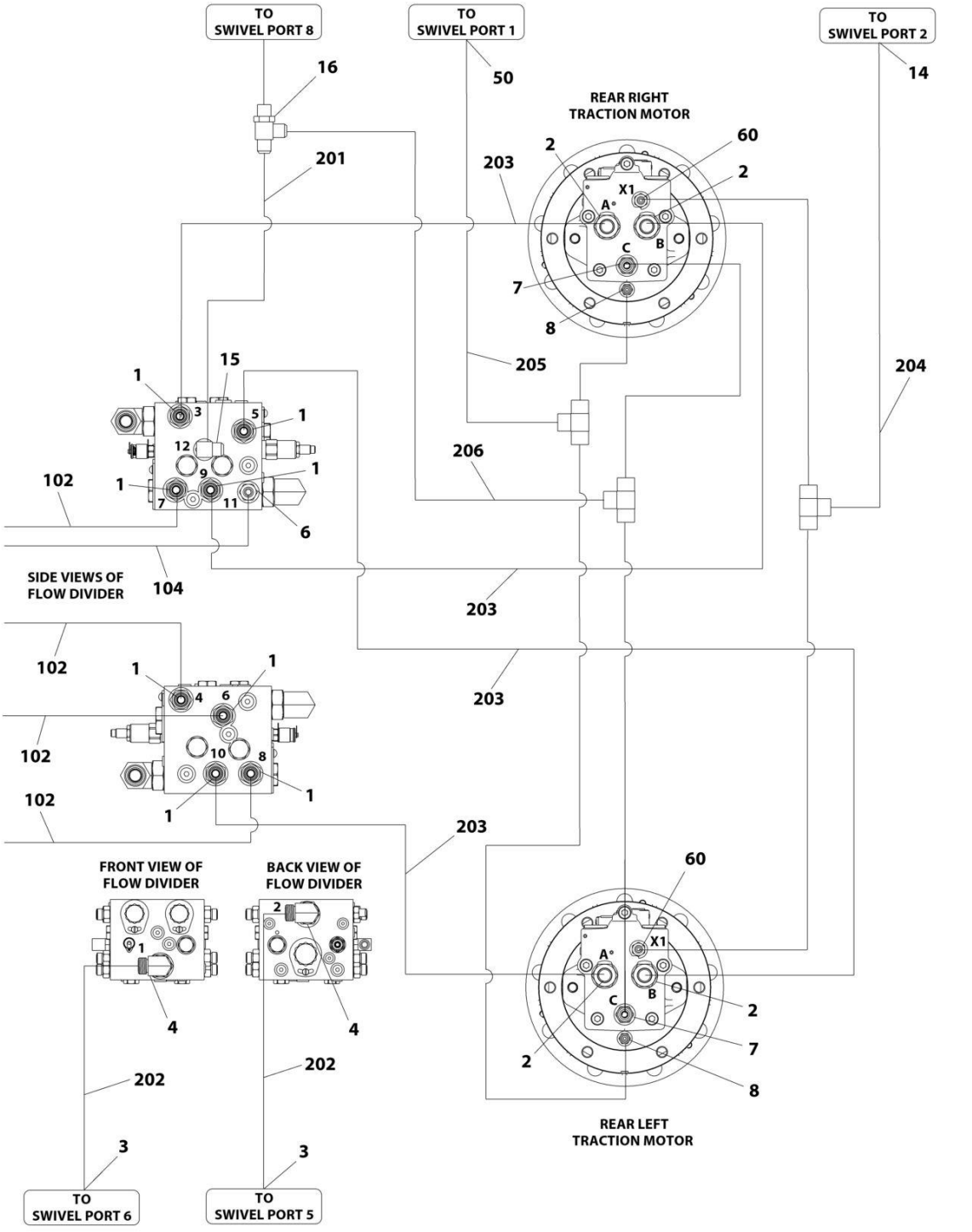
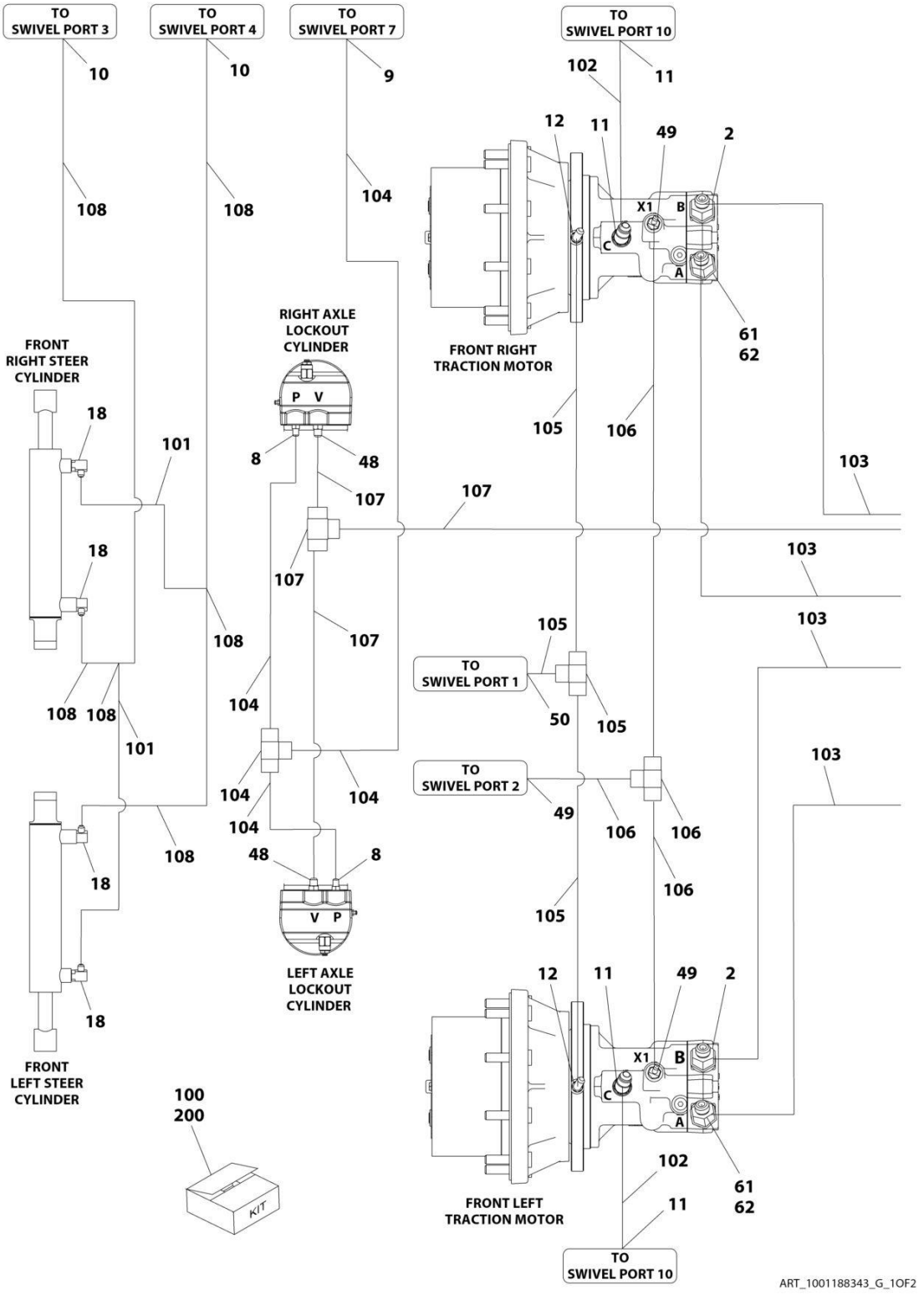

TO SWIVEL PORT 8
TO SWIVEL PORT 1
TO SWIVEL PORT 2
16
50
14
REAR RIGHT TRACTION MOTOR
201
203
60
2
X1
A
B
C
7
8
205
204
206
15
1
3
5
12
9
11
102
104
6
SIDE VIEWS OF FLOW DIVIDER
4
10
FRONT VIEW OF FLOW DIVIDER
BACK VIEW OF FLOW DIVIDER
202
TO SWIVEL PORT 6
TO SWIVEL PORT 5
REAR LEFT TRACTION MOTOR
ART_1001192265_G_2OF2

FIGURE 7-4. DRIVE HYDRAULIC DIAGRAM (2WS WITH ARCTIC PACKAGE) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001192265	Ref	DRIVE HYDRAULIC DIAGRAM	G
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2110812	4	Fitting, Straight ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC/ORB	
7	2220373	2	Fitting, Straight JIC/ORB	
8	2220415	4	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	2	Fitting, 45 JIC/ORB	
11	2220500	4	Fitting, 45 JIC/ORB	
12	2220502	2	Fitting, 45 JIC/ORB	
14	2220472	2	Fitting, 90 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	4	Fitting, 90 JIC/ORB	
23	4240018	21	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	2	Fitting, 45 JIC/ORB	
50	1001197045	2	Fitting, 90 JIC/ORB	
59	4240033	2	Tie-Strap (Not Shown)	
60	2220582	2	Fitting, Straight JIC/ORB	
61	2150808	4	Fitting, 45 ORFS/ORB	
62	2220811	4	Fitting, Straight FORB/ORB	
100	1001269910	1	Arctic Front Hose Kit	
101	1001193610	2	Hose	
102	1001193611	4	Hose	
103	1001199654	1	Hose	
104	1001169661	1	Hose	
105	1001203853	2	Hose	
106	1001203854	2	Hose	
107	1001203859	1	Hose	
108	1001203860	1	Hose	
200	1001269908	1	Rear Hose Kit	
201	1001187312	1	Hose	
202	1001187318	2	Hose	
203	1001188763	4	Hose	
204	1001199657	1	Hose	
205	1001199658	1	Hose	
206	1001199662	1	Hose	

FIGURE 7-5. DRIVE HYDRAULIC DIAGRAM (4WS) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)



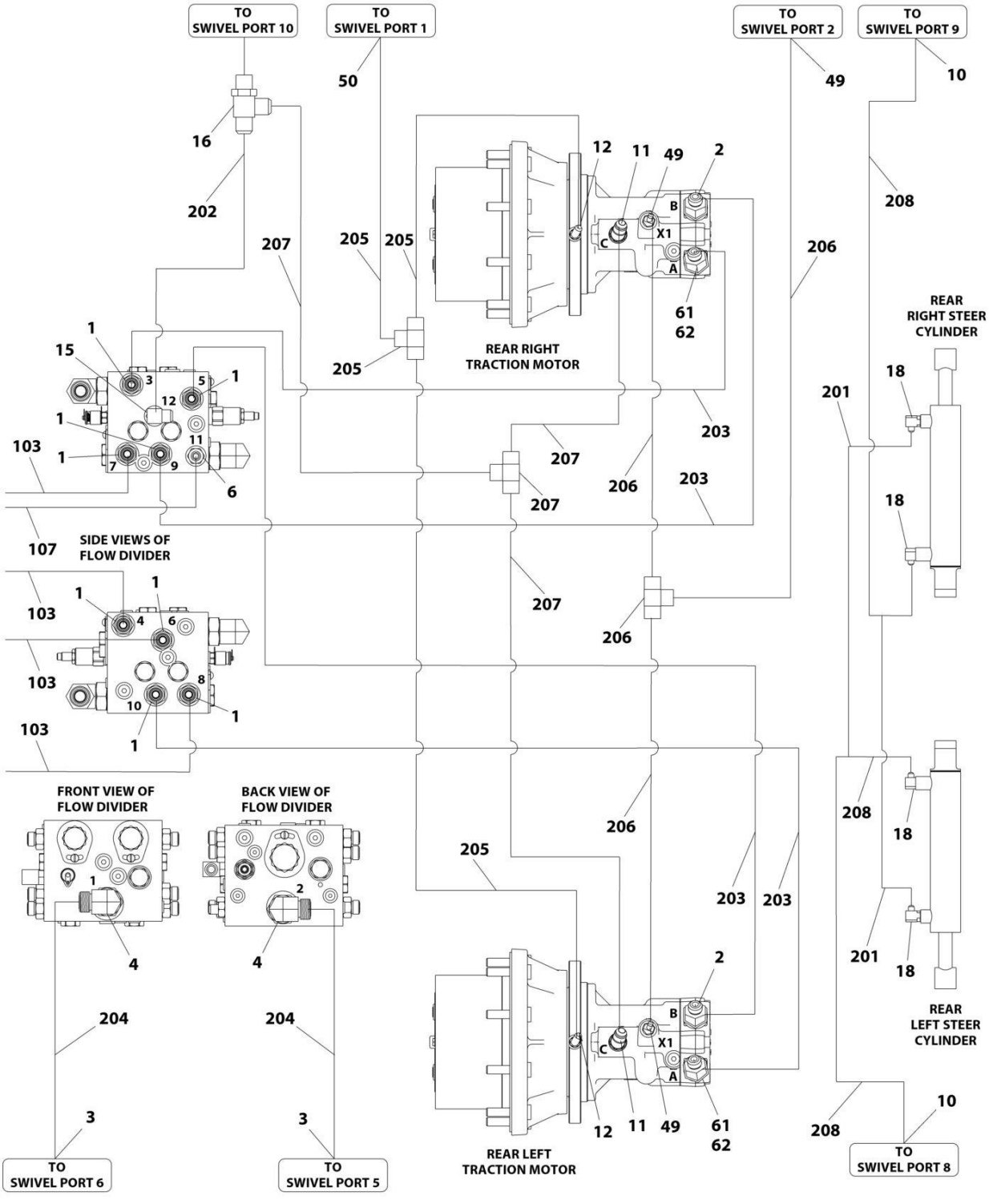
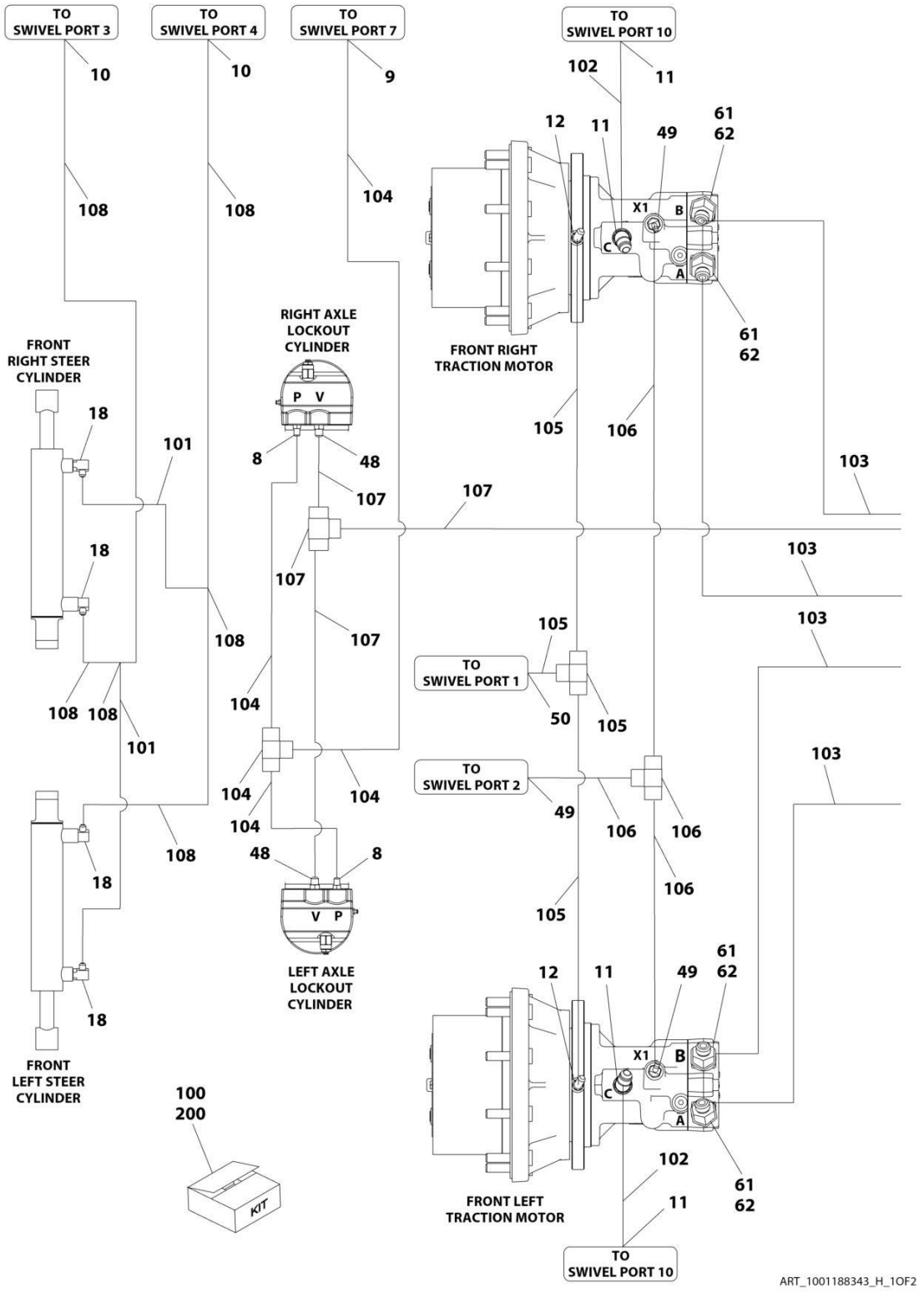

TO SWIVEL PORT 10
TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 9
50
49
10
16
202
207
205
205
208
206
REAR RIGHT TRACTION MOTOR
12
11
49
2
B
X1
C
A
61
62
REAR RIGHT STEER CYLINDER
18
201
203
207
206
203
207
18
103
107
SIDE VIEWS OF FLOW DIVIDER
207
206
103
103
103
FRONT VIEW OF FLOW DIVIDER
BACK VIEW OF FLOW DIVIDER
206
208
18
205
203
203
201
18
REAR LEFT STEER CYLINDER
2
REAR LEFT TRACTION MOTOR
12
11
49
61
62
204
204
208
10
3
3
TO SWIVEL PORT 6
TO SWIVEL PORT 5
TO SWIVEL PORT 8
ART_1001188343_G_2OF2

FIGURE 7-5. DRIVE HYDRAULIC DIAGRAM (4WS) (SN 0300288632 through 0300288701, SN B300014165 through B300014167, Including B300014239, B300014257 and B300014304)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188343	Ref	DRIVE HYDRAULIC DIAGRAM	G
1	2110810	8	Fitting, Straight ORFS/ORB	
2	2150812	4	Fitting, 45 ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC/ORB	
8	2220415	2	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	4	Fitting, 45 JIC/ORB	
11	2220500	6	Fitting, 45 JIC/ORB	
12	2220502	4	Fitting, 45 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	8	Fitting, 90 JIC/ORB	
23	4240018	30	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	6	Fitting, 45 JIC/ORB	
50	2221344	2	Fitting, 45 JIC/ORB	
58	4240033	4	Tie-Strap (Not Shown)	
61	2150808	4	Fitting, 45 ORFS/ORB	
62	2220811	4	Fitting, Straight FORB/ORB	
100	1001269909	1	Front Hose Kit	
101	1001187308	4	Hose	
102	1001187311	2	Hose	
103	1001187317	4	Hose	
104	1001199654	1	Hose	
105	1001199655	1	Hose	
106	1001199656	1	Hose	
107	1001199661	1	Hose	
108	1001200432	2	Hose	
200	1001269911	1	Rear Hose Kit	
201	1001187308	1	Hose	
202	1001187312	1	Hose	
203	1001187316	4	Hose	
204	1001187318	2	Hose	
205	1001199659	1	Hose	
206	1001199660	1	Hose	
207	1001199663	1	Hose	
208	1001200433	1	Hose	

FIGURE 7-6. DRIVE HYDRAULIC DIAGRAM (4WS) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)



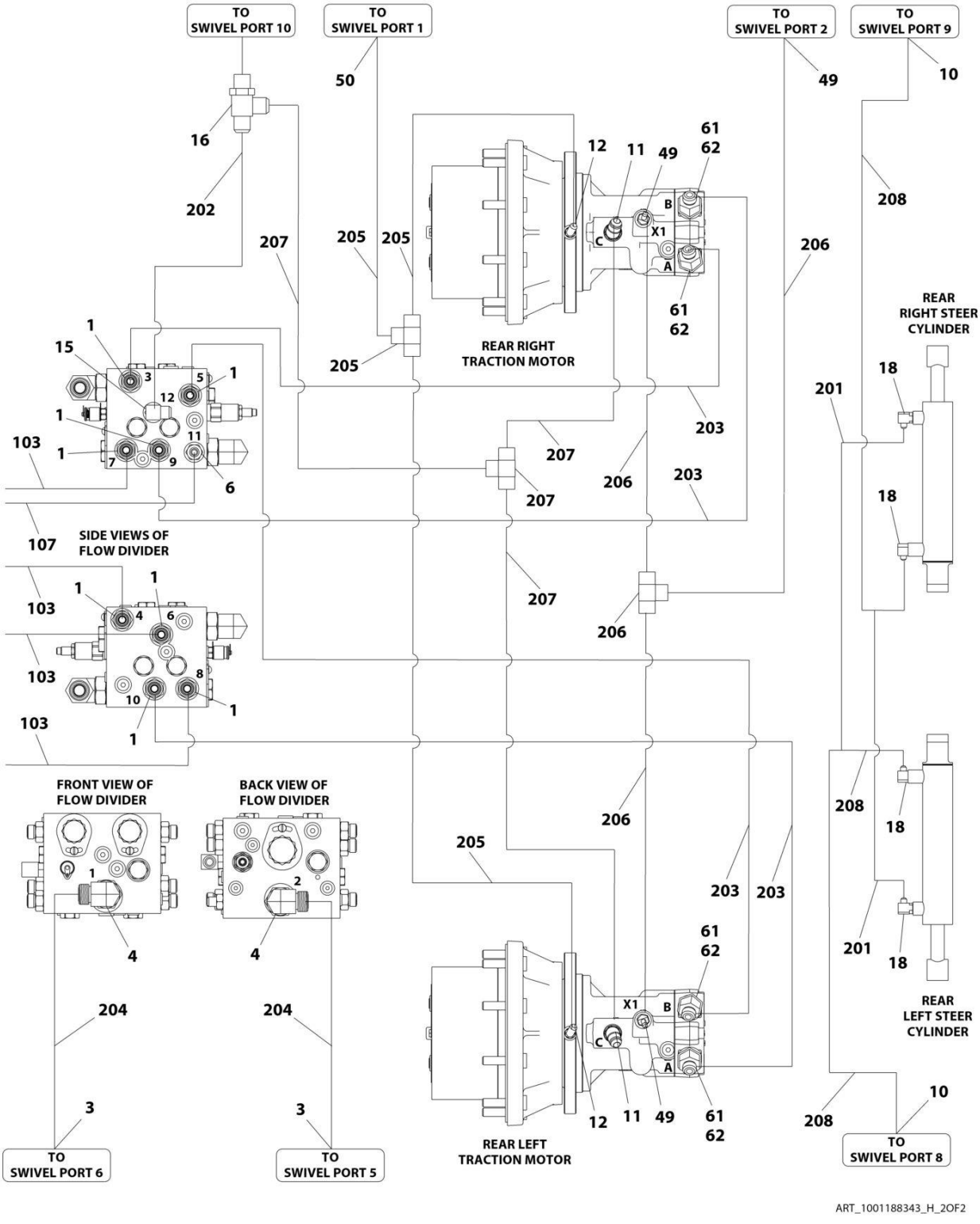
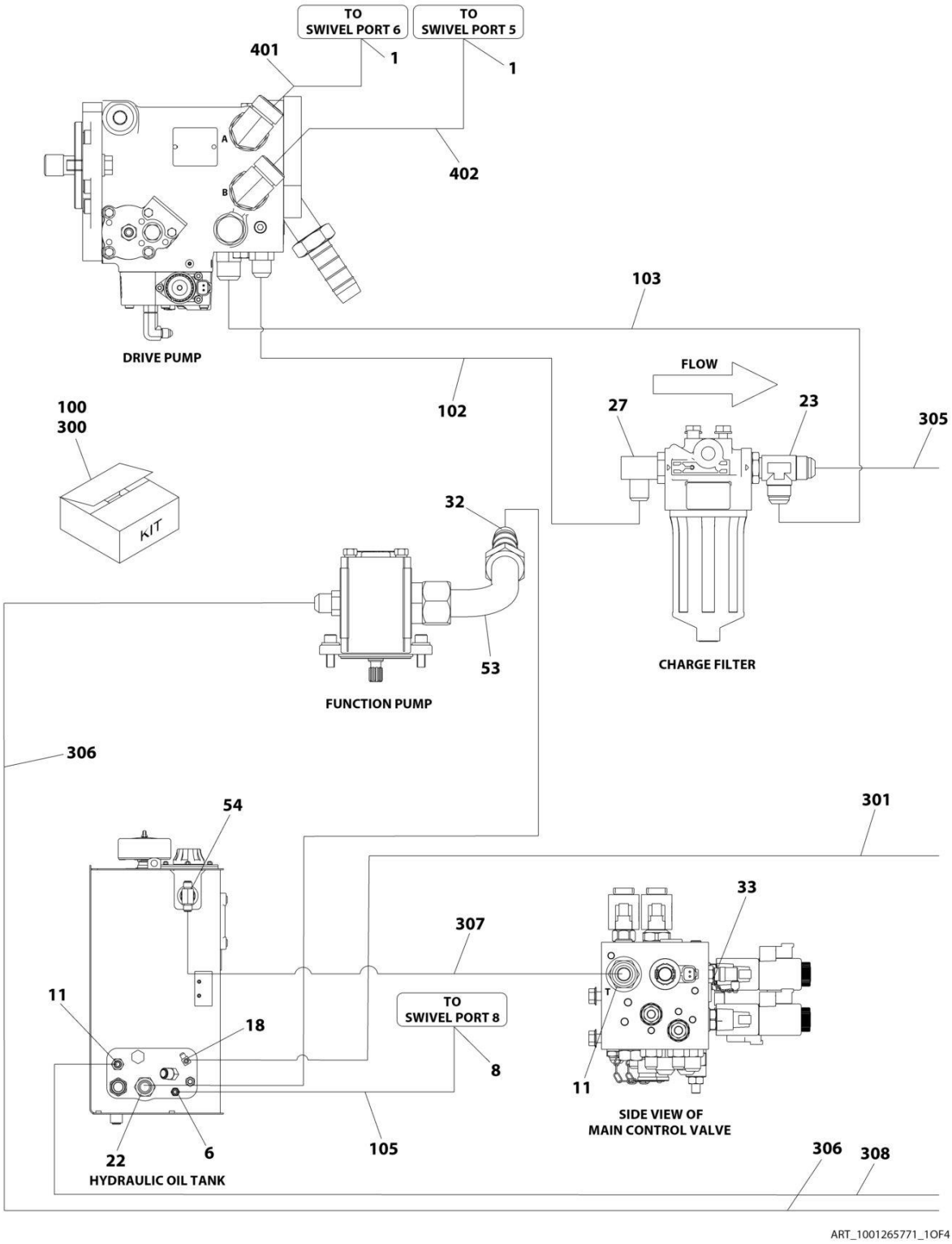
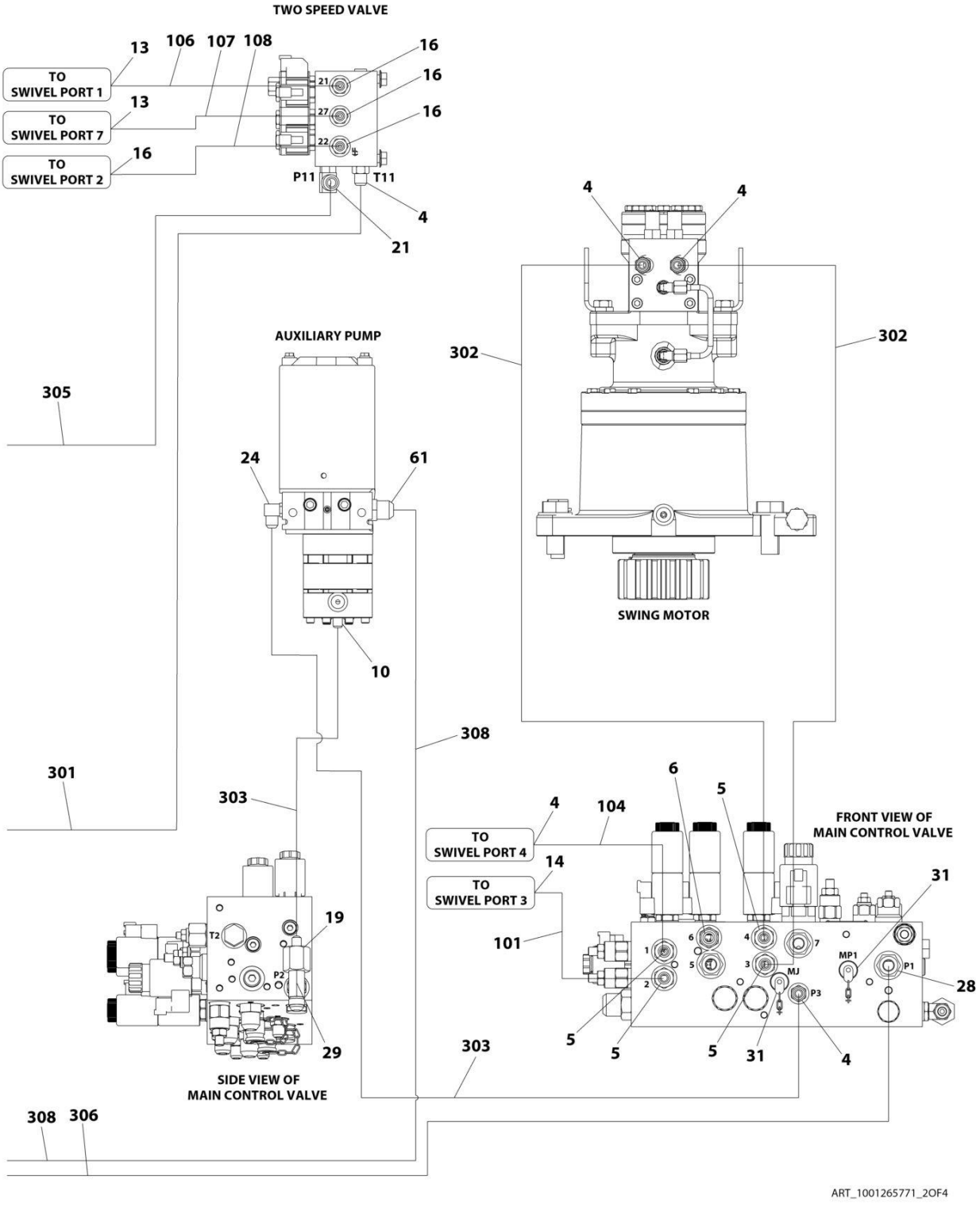

TO SWIVEL PORT 10
TO SWIVEL PORT 1
TO SWIVEL PORT 2
TO SWIVEL PORT 9
50
49
10
16
202
207
205
205
206
208
61
62
12
11
49
B
X1
C
A
REAR RIGHT TRACTION MOTOR
REAR RIGHT STEER CYLINDER
201
18
203
207
206
103
107
SIDE VIEWS OF FLOW DIVIDER
FRONT VIEW OF FLOW DIVIDER
BACK VIEW OF FLOW DIVIDER
204
3
TO SWIVEL PORT 6
TO SWIVEL PORT 5
REAR LEFT TRACTION MOTOR
REAR LEFT STEER CYLINDER
TO SWIVEL PORT 8
ART_1001188343_H_2OF2

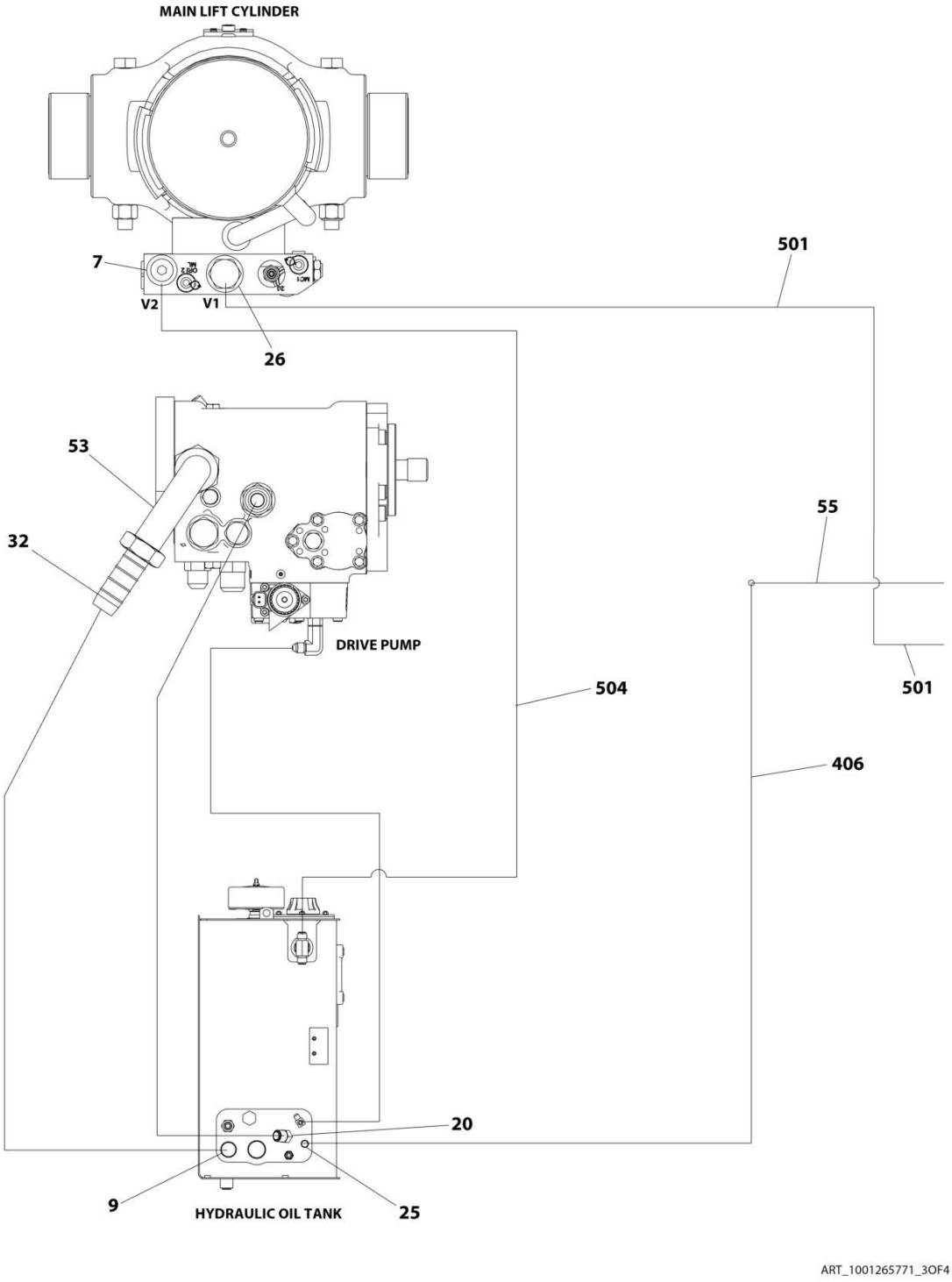
FIGURE 7-6. DRIVE HYDRAULIC DIAGRAM (4WS) (Except SN 0300288632 through 0300288701, Except SN B300014165 through B300014167, Excluding B300014239, B300014257 and B300014304)

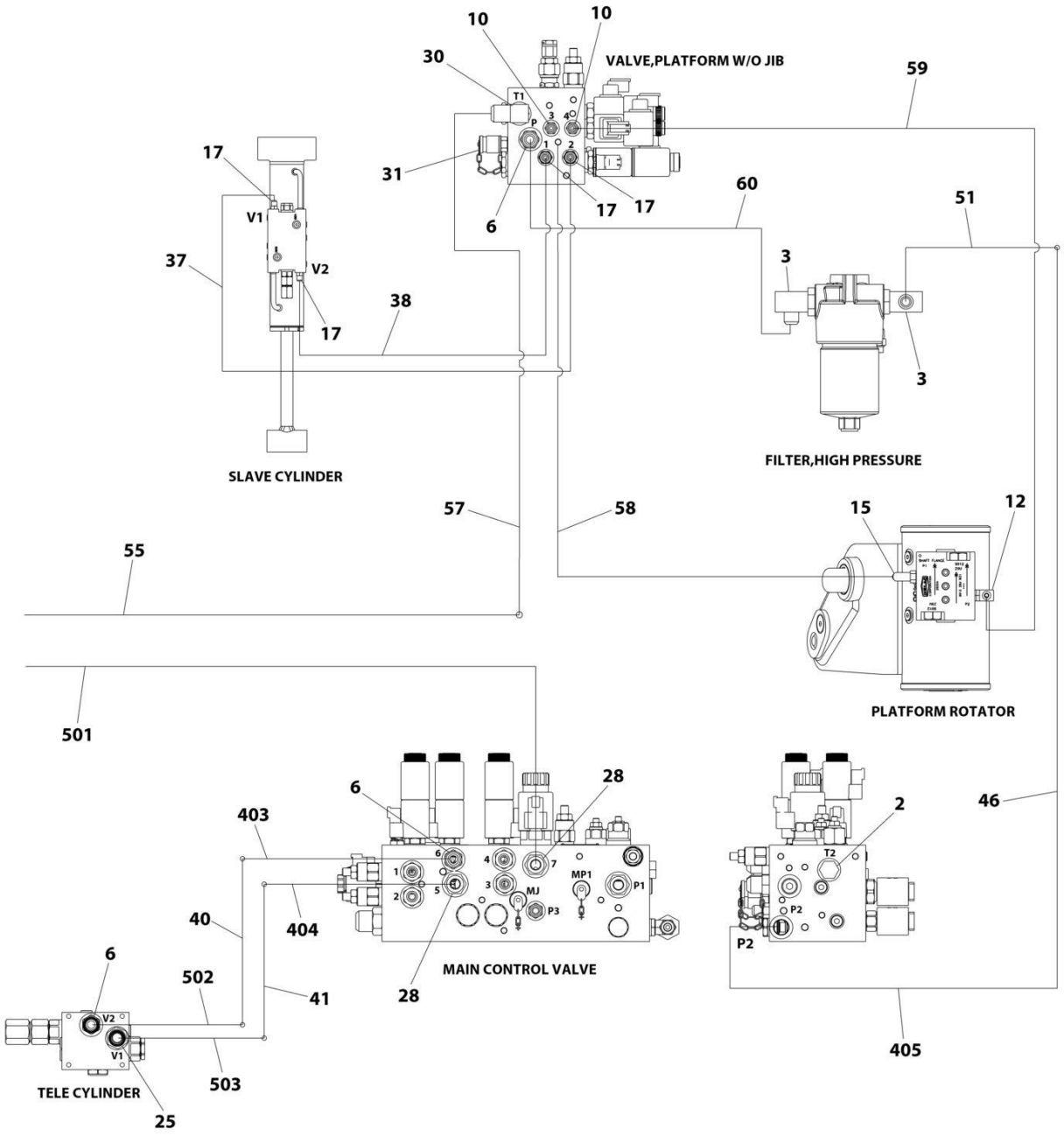
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188343	Ref	DRIVE HYDRAULIC DIAGRAM	H
1	2110810	8	Fitting, Straight ORFS/ORB	
3	2111216	2	Fitting, Straight ORFS/ORB	
4	2131216	2	Fitting, 90 ORFS/ORB	
6	2220372	1	Fitting, Straight JIC/ORB	
8	2220415	2	Fitting, Straight JIC/ORB	
9	2220468	1	Fitting, Straight JIC/ORB	
10	2220501	4	Fitting, 45 JIC/ORB	
11	2220500	6	Fitting, 45 JIC/ORB	
12	2220502	4	Fitting, 45 JIC/ORB	
15	2220596	1	Fitting, 90 JIC/ORB	
16	2220602	1	Fitting, Tee JIC/ORB/JIC	
18	2220628	8	Fitting, 90 JIC/ORB	
23	4240018	30	Tie-Strap (Not Shown)	
48	2220371	2	Fitting, Straight JIC/ORB	
49	2221040	6	Fitting, 45 JIC/ORB	
50	2221344	2	Fitting, 45 JIC/ORB	
58	4240033	4	Tie-Strap (Not Shown)	
61	2150808	8	Fitting, 45 ORFS/ORB	
62	2220811	8	Fitting, Straight FORB/ORB	
100	1001269909	1	Front Hose Kit	
101	1001187308	4	Hose	
102	1001187311	2	Hose	
103	1001187317	4	Hose	
104	1001199654	1	Hose	
105	1001199655	1	Hose	
106	1001199656	1	Hose	
107	1001199661	1	Hose	
108	1001200432	2	Hose	
200	1001269911	1	Rear Hose Kit	
201	1001187308	1	Hose	
202	1001187312	1	Hose	
203	1001187316	4	Hose	
204	1001187318	2	Hose	
205	1001199659	1	Hose	
206	1001199660	1	Hose	
207	1001199663	1	Hose	
208	1001200433	1	Hose	

FIGURE 7-7. STANDARD HYDRAULIC DIAGRAM (2WS) (600S)




TWO SPEED VALVE
TO SWIVEL PORT 1
TO SWIVEL PORT 7
TO SWIVEL PORT 2
13
106
107
108
16
16
16
13
16
21
27
22
P11
T11
4
21
4
4
AUXILIARY PUMP
302
302
305
24
61
SWING MOTOR
10
308
301
303
6
5
4
104
FRONT VIEW OF MAIN CONTROL VALVE
TO SWIVEL PORT 4
14
TO SWIVEL PORT 3
31
101
19
T2
P2
MP1
P1
MJ
P3
28
5
5
5
31
4
29
303
SIDE VIEW OF MAIN CONTROL VALVE
308
306
ART_1001265771_2OF4


MAIN LIFT CYLINDER
7
V2
V1
26
501
53
32
55
DRIVE PUMP
504
501
406
20
9
HYDRAULIC OIL TANK
25
ART_1001265771_3OF4



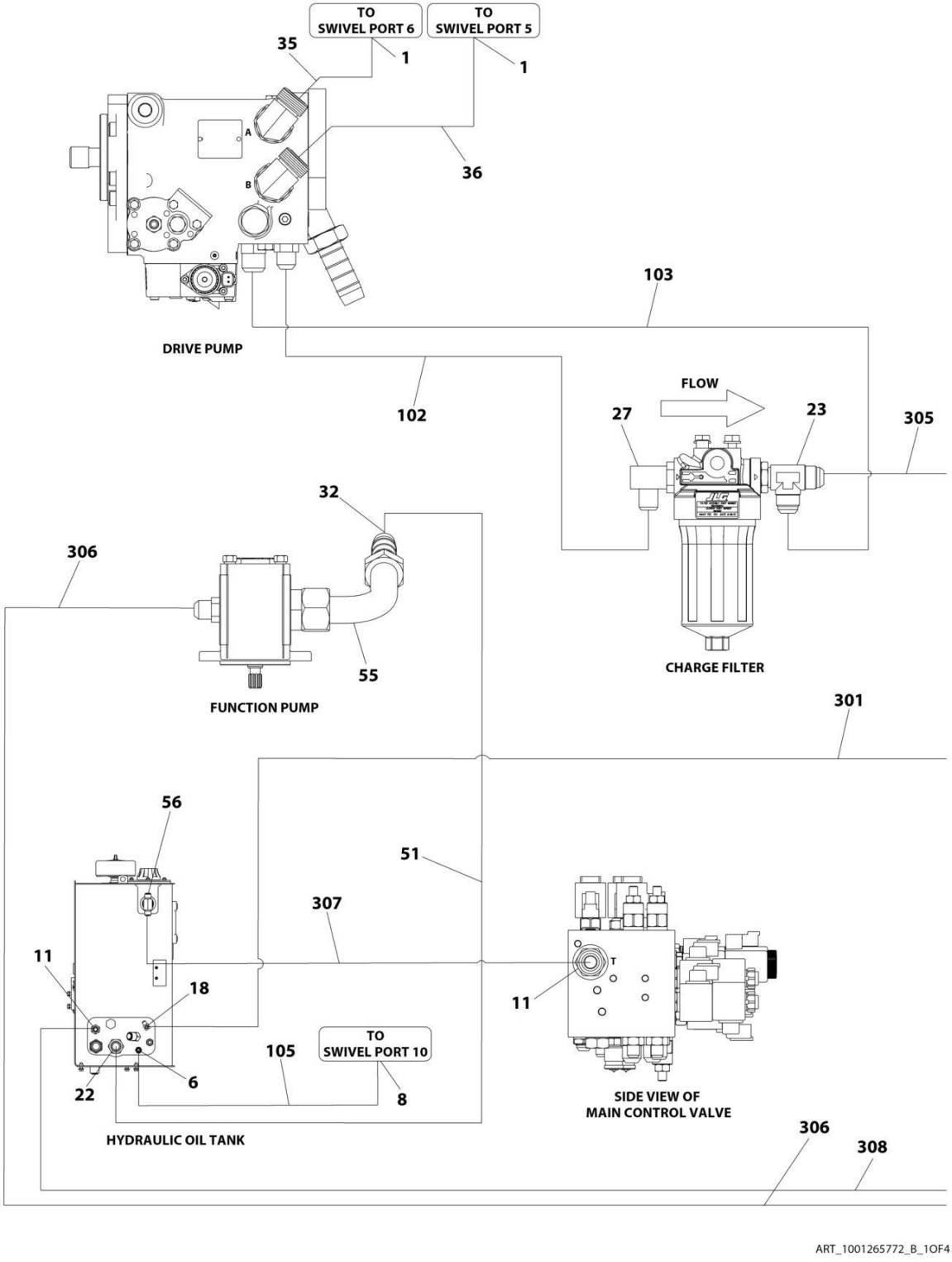
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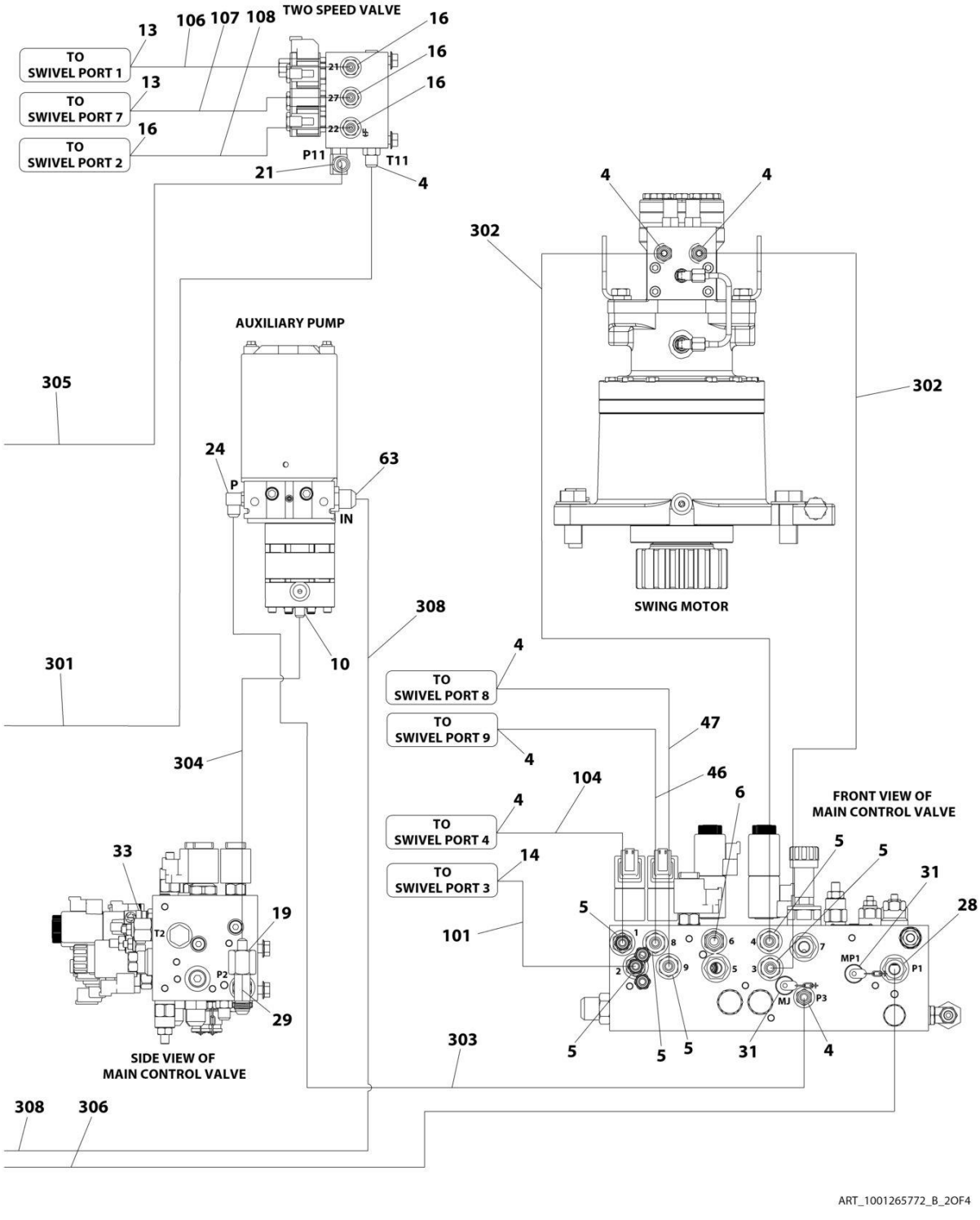
FIGURE 7-7. STANDARD HYDRAULIC DIAGRAM (2WS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265771	Ref	STANDARD HYDRAULIC DIAGRAM	C
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	2	Fitting, 90 JIC/ORB	
4	2220371	5	Fitting, Straight JIC/ORB	
5	2220372	4	Fitting, Straight JIC/ORB	
6	2220373	4	Fitting, Straight JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	2220375	1	Fitting, Straight JIC/ORB	
9	2220380	1	Fitting, Straight JIC/ORB	
10	2220415	3	Fitting, Straight JIC/ORB	
11	2220451	2	Fitting, Straight JIC/ORB	
12	2220466	1	Fitting, 90 JIC/ORB	
13	2220468	2	Fitting, Straight JIC/ORB	
14	2220473	1	Fitting, 90 JIC/ORB	
15	2220502	1	Fitting, 45 JIC/ORB	
16	2220582	4	Fitting, Straight JIC/ORB	
17	2220603	4	Fitting, Straight JIC/ORB	
18	2220606	1	Fitting, Tee JIC/ORB/JIC	
19	2220618	1	Fitting, Straight JIC/FSJIC	
20	2220637	1	Fitting, 45 JIC/ORB	
21	2220726	1	Fitting, 90 JIC/ORB	
22	2220733	1	Fitting, Straight JIC/ORB	
23	2220738	1	Fitting, Tee JIC/ORB/JIC	
24	2220775	1	Fitting, 90 JIC/ORB	
25	2220852	2	Fitting, Straight JIC/ORB	
26	2220865	1	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	3	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221042	1	Fitting, 90 JIC/ORB	
31	2221086	3	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
37	1001192684	1	Hose	
38	1001192685	1	Hose	
40	1001192693	1	Pipe	
41	1001192694	1	Pipe	
46	1001201255	1	Pipe	
51	1001204389	1	Hose	
53	1001205824	2	Fitting, 90 Barb	
54	1001214408	1	Fitting, Tee JIC/ORB/JIC	
55	1001220903	1	Pipe	
57	1001220941	1	Hose	
58	1001259019	1	Hose	
59	1001259020	1	Hose	
60	1001260486	1	Hose	
61	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	

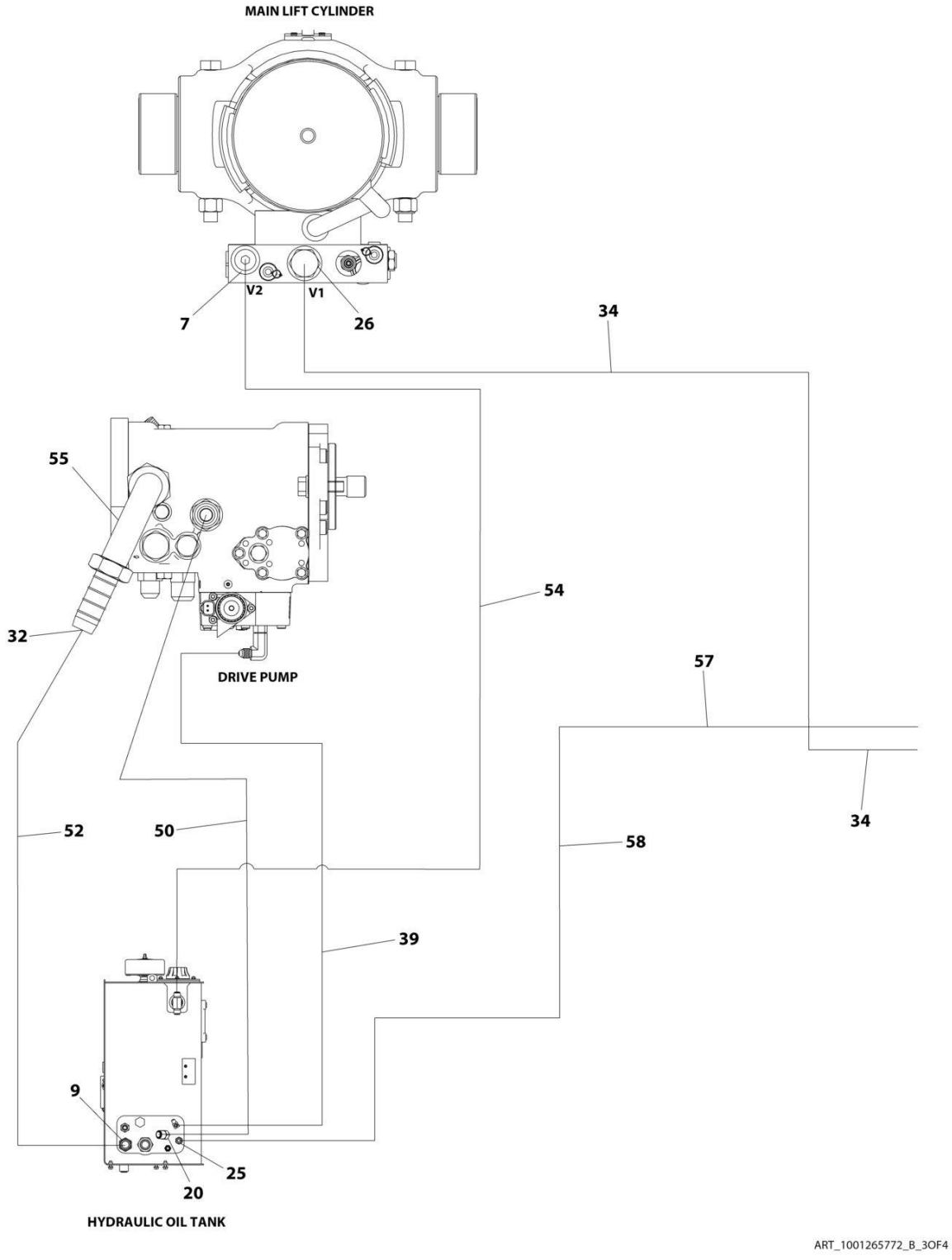
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001274127	1	Tank Side Hose Kit	
301	1001247865	1	Hose	
302	1001247866	2	Hose	
303	1001247868	1	Hose	
304	1001247869	1	Hose	
305	1001247873	1	Hose	
306	1001247875	1	Hose	
307	1001247882	1	Hose	
308	1001274114	1	Hose	
400	1001269913	1	Hose Kit - Turntable (Not Shown)	
401	1001192661	1	Hose	
402	1001192663	1	Hose	
403	1001192695	1	Hose	
404	1001192698	1	Hose	
405	1001203424	1	Hose	
406	1001220912	1	Hose	
500	1001269914	1	Hose Kit - Boom (Not Shown)	
501	1001192641	1	Hose	
502	1001192696	1	Hose	
503	1001192699	1	Hose	
504	1001204645	1	Hose	

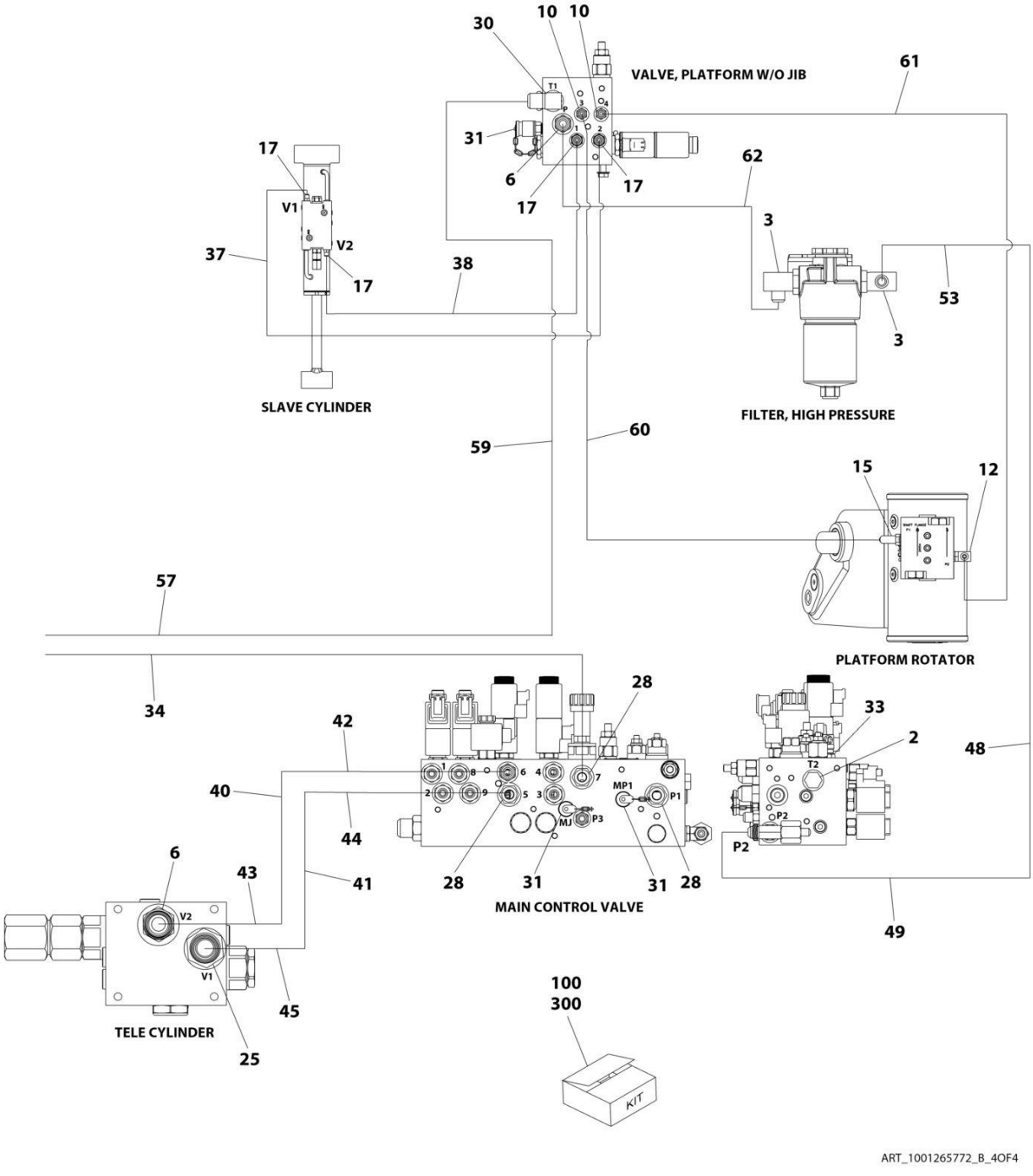
FIGURE 7-8. STANDARD HYDRAULIC DIAGRAM (4WS) (600S)




TWO SPEED VALVE
TO SWIVEL PORT 1
TO SWIVEL PORT 7
TO SWIVEL PORT 2
13
106
107
108
16
21
27
22
P11
T11
4
AUXILIARY PUMP
305
24
P
63
IN
10
308
301
304
302
SWING MOTOR
TO SWIVEL PORT 8
TO SWIVEL PORT 9
TO SWIVEL PORT 4
TO SWIVEL PORT 3
47
46
104
14
101
6
FRONT VIEW OF MAIN CONTROL VALVE
5
31
28
MP1
P1
MJ
P3
33
19
T2
P2
29
SIDE VIEW OF MAIN CONTROL VALVE
303
306
ART_1001265772_B_2OF4

SECTION 7 - HYDRAULIC





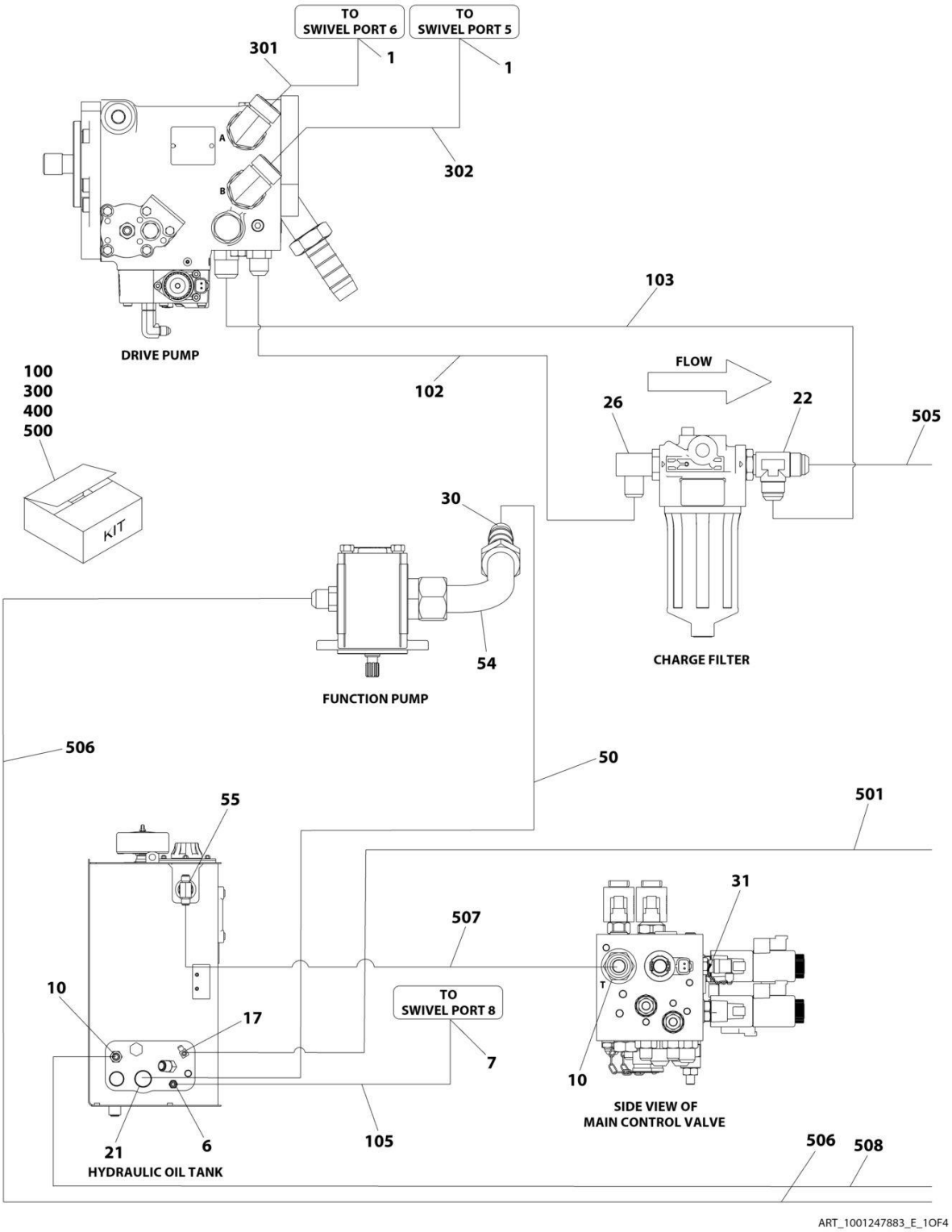
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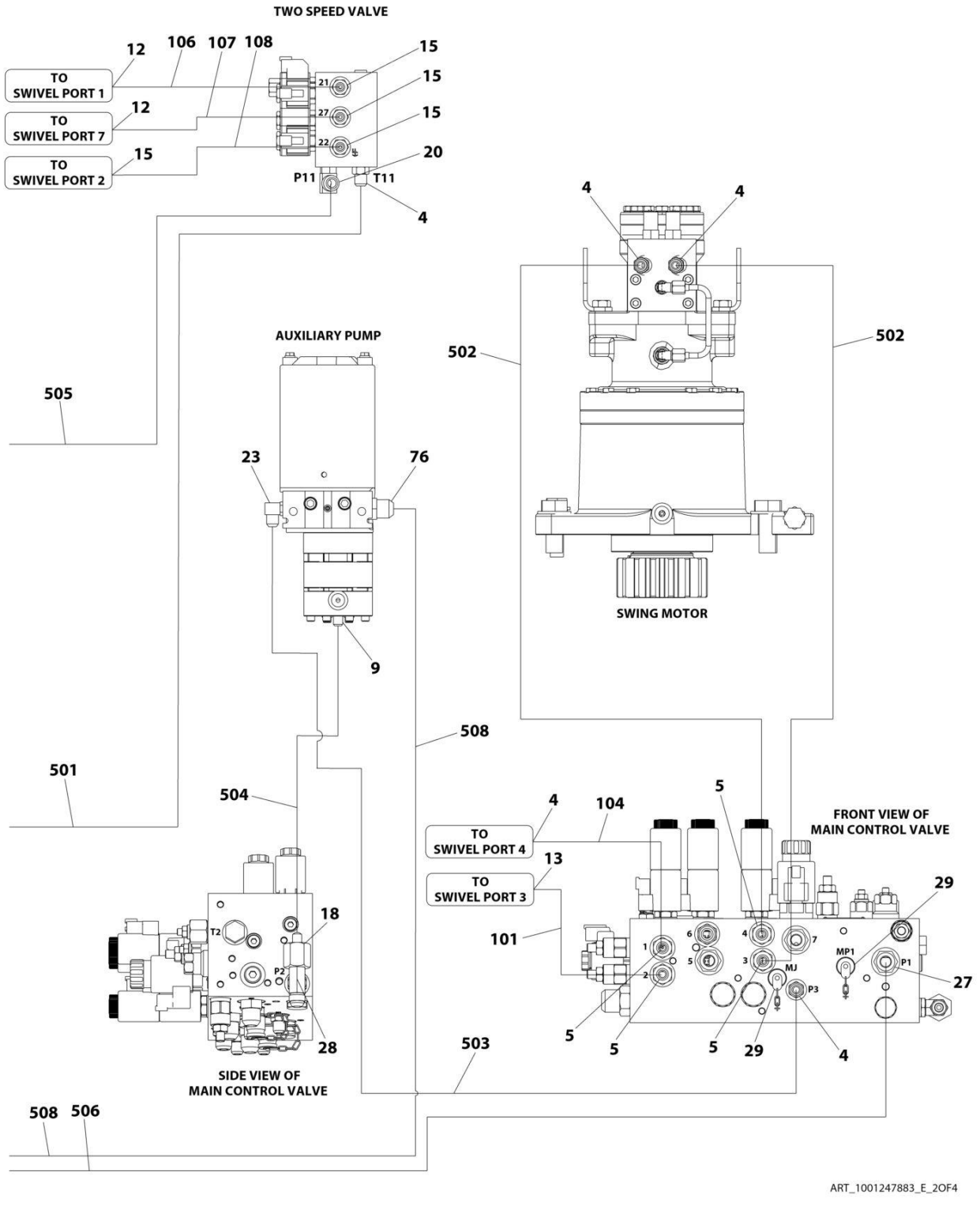
FIGURE 7-8. STANDARD HYDRAULIC DIAGRAM (4WS) (600S)

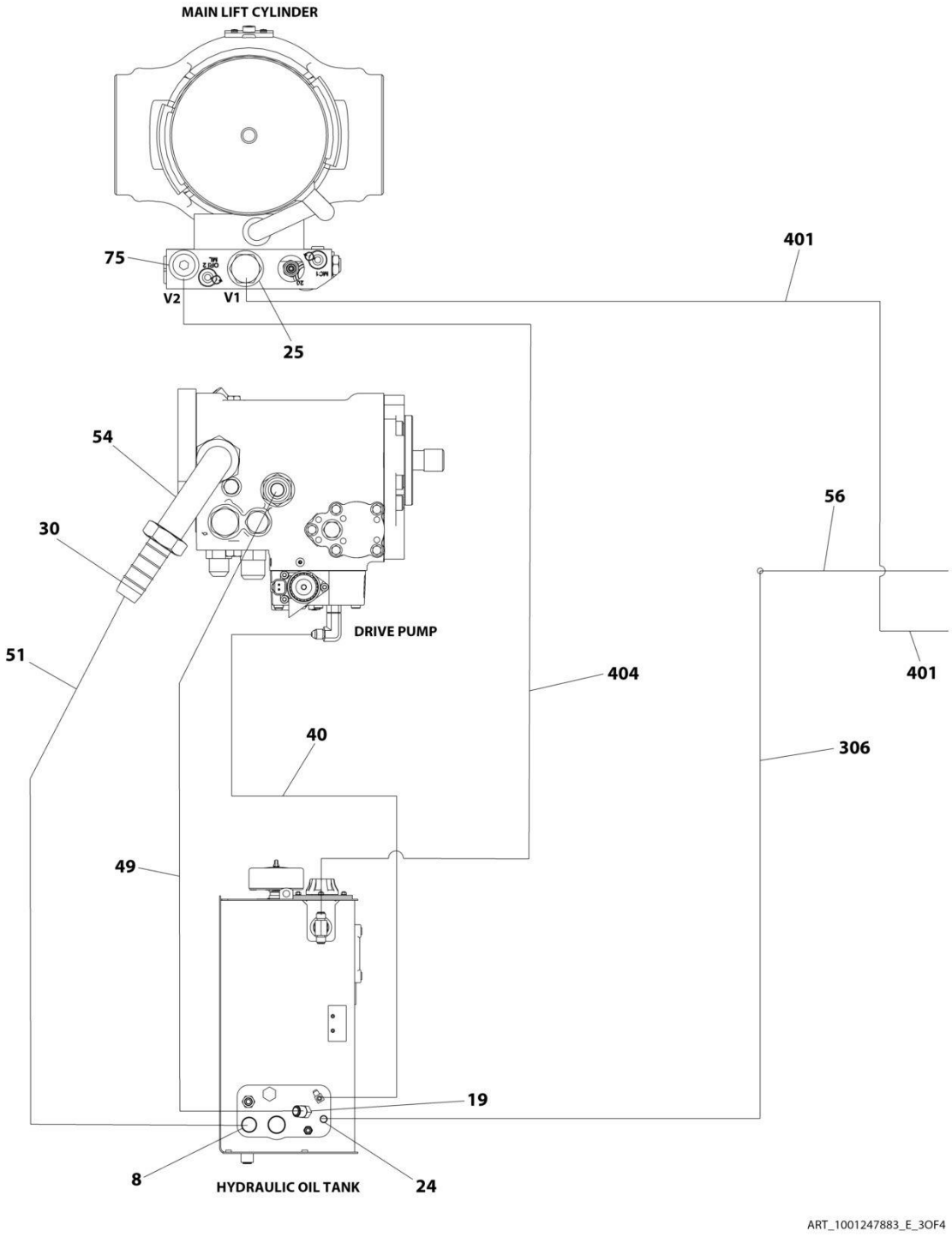
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001265772	Ref	STANDARD HYDRAULIC DIAGRAM	B
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	2	Fitting, 90 JIC/ORB	
4	2220371	7	Fitting, Straight JIC/ORB	
5	2220372	6	Fitting, Straight JIC/ORB	
6	2220373	4	Fitting, Straight JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	2220375	1	Fitting, Straight JIC/ORB	
9	2220380	1	Fitting, Straight JIC/ORB	
10	2220415	3	Fitting, Straight JIC/ORB	
11	2220451	2	Fitting, Straight JIC/ORB	
12	2220466	1	Fitting, 90 JIC/ORB	
13	2220468	2	Fitting, Straight JIC/ORB	
14	2220473	1	Fitting, 90 JIC/ORB	
15	2220502	1	Fitting, 45 JIC/ORB	
16	2220582	4	Fitting, Straight JIC/ORB	
17	2220603	4	Fitting, Straight JIC/ORB	
18	2220606	1	Fitting, Tee JIC/ORB/JIC	
19	2220618	1	Fitting, Straight JIC/FSJIC	
20	2220637	1	Fitting, 45 JIC/ORB	
21	2220726	1	Fitting, 90 JIC/ORB	
22	2220733	1	Fitting, Straight JIC/ORB	
23	2220738	1	Fitting, Tee JIC/ORB/JIC	
24	2220775	1	Fitting, 90 JIC/ORB	
25	2220852	2	Fitting, Straight JIC/ORB	
26	2220865	1	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	3	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221042	1	Fitting, 90 JIC/ORB	
31	2221086	3	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
34	1001192641	1	Hose	
35	1001192661	1	Hose	
36	1001192663	1	Hose	
37	1001192684	1	Hose	
38	1001192685	1	Hose	
39	1001192690	1	Hose	
40	1001192693	1	Pipe	
41	1001192694	1	Pipe	
42	1001192695	1	Hose	
43	1001192696	1	Hose	
44	1001192698	1	Hose	
45	1001192699	1	Hose	
46	1001194329	1	Hose	
47	1001194330	1	Hose	
48	1001201255	1	Pipe	
49	1001203424	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001203431	1	Hose	
51	1001203432	1	Hose	
52	1001203433	1	Hose	
53	1001204389	1	Hose	
54	1001204645	1	Hose	
55	1001205824	2	Fitting, 90 Barb	
56	1001214408	2	Fitting, Tee JIC/ORB/JIC	
57	1001220903	1	Pipe	
58	1001220912	1	Hose	
59	1001220941	1	Hose	
60	1001259019	1	Hose	
61	1001259020	1	Hose	
62	1001260486	1	Hose	
63	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001274127	1	Tank Side Hose Kit	
301	1001247865	1	Hose	
302	1001247866	2	Hose	
303	1001247868	1	Hose	
304	1001247869	1	Hose	
305	1001247873	1	Hose	
306	1001247875	1	Hose	
307	1001247882	1	Hose	
308	1001274114	1	Hose	

FIGURE 7-9. STANDARD HYDRAULIC DIAGRAM (2WS) (600S)




TWO SPEED VALVE
TO SWIVEL PORT 1
TO SWIVEL PORT 7
TO SWIVEL PORT 2
12
106
107
108
15
15
15
12
15
20
21
27
22
P11
T11
4
4
4
502
502
AUXILIARY PUMP
505
23
76
9
SWING MOTOR
508
501
504
4
104
5
TO SWIVEL PORT 4
13
TO SWIVEL PORT 3
101
FRONT VIEW OF MAIN CONTROL VALVE
29
18
T2
P2
28
SIDE VIEW OF MAIN CONTROL VALVE
MP1
P1
27
MJ
P3
5
5
5
29
4
503
508
506
ART_1001247883_E_2OF4


MAIN LIFT CYLINDER
75
V2
V1
25
401
54
30
56
DRIVE PUMP
51
404
401
40
306
49
19
8
HYDRAULIC OIL TANK
24
ART_1001247883_E_3OF4

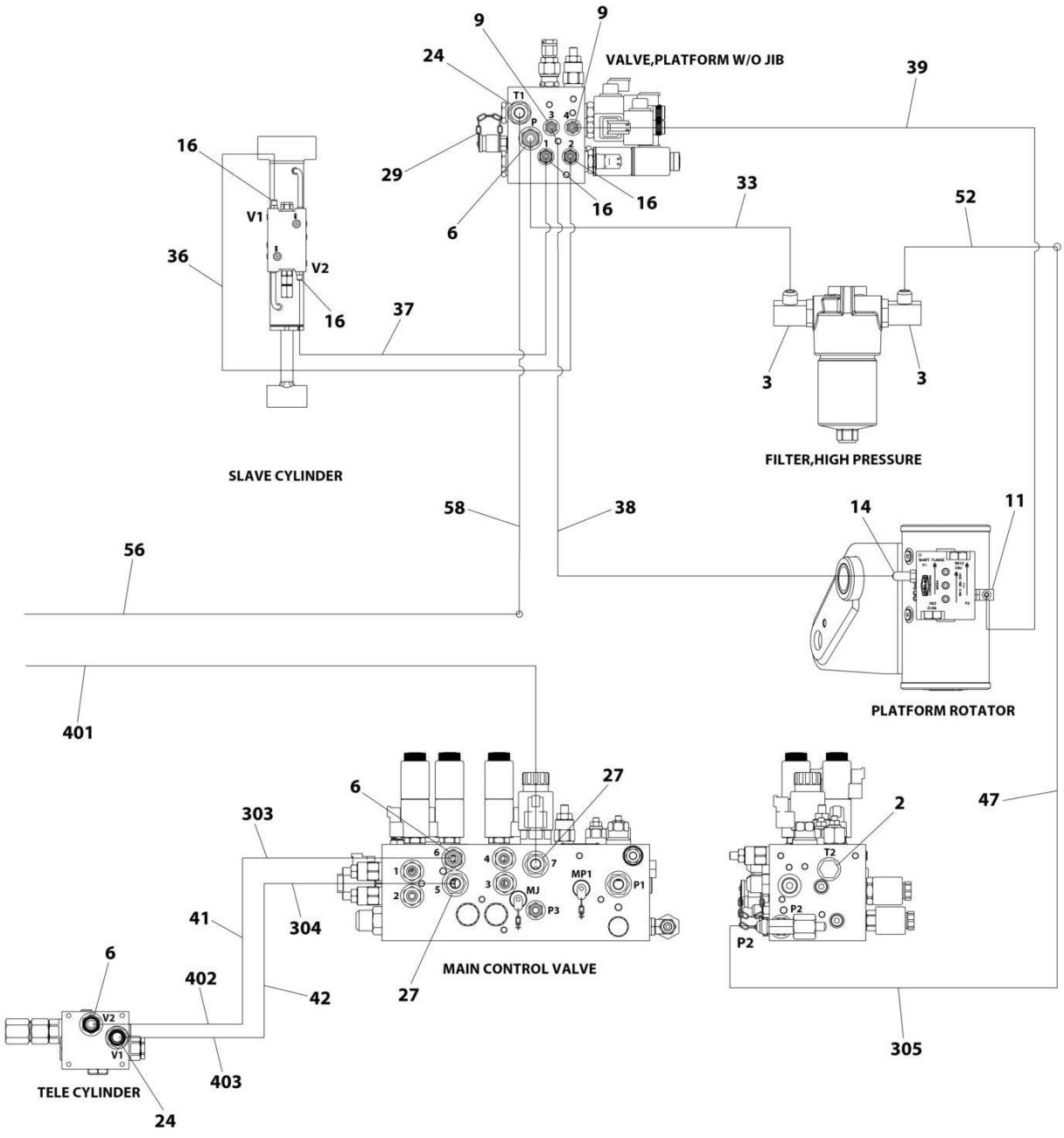
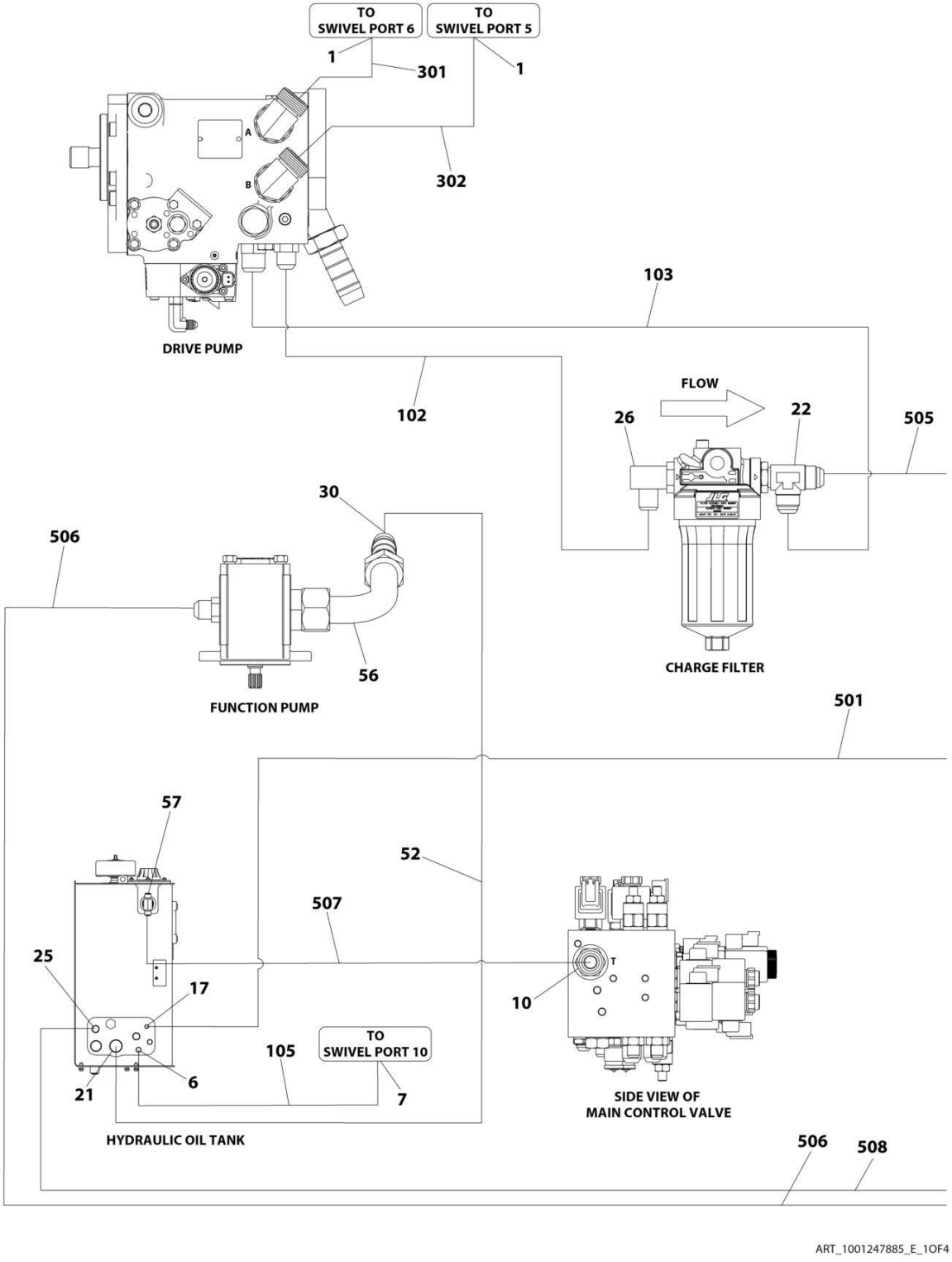

VALVE,PLATFORM W/O JIB
SLAVE CYLINDER
FILTER,HIGH PRESSURE
PLATFORM ROTATOR
MAIN CONTROL VALVE
TELE CYLINDER
9
9
24
39
16
29
6
16
16
33
52
V1
36
V2
16
37
3
3
58
38
14
11
56
401
6
27
303
47
2
41
304
42
27
402
6
403
24
305
ART_1001247883_E_4OF4

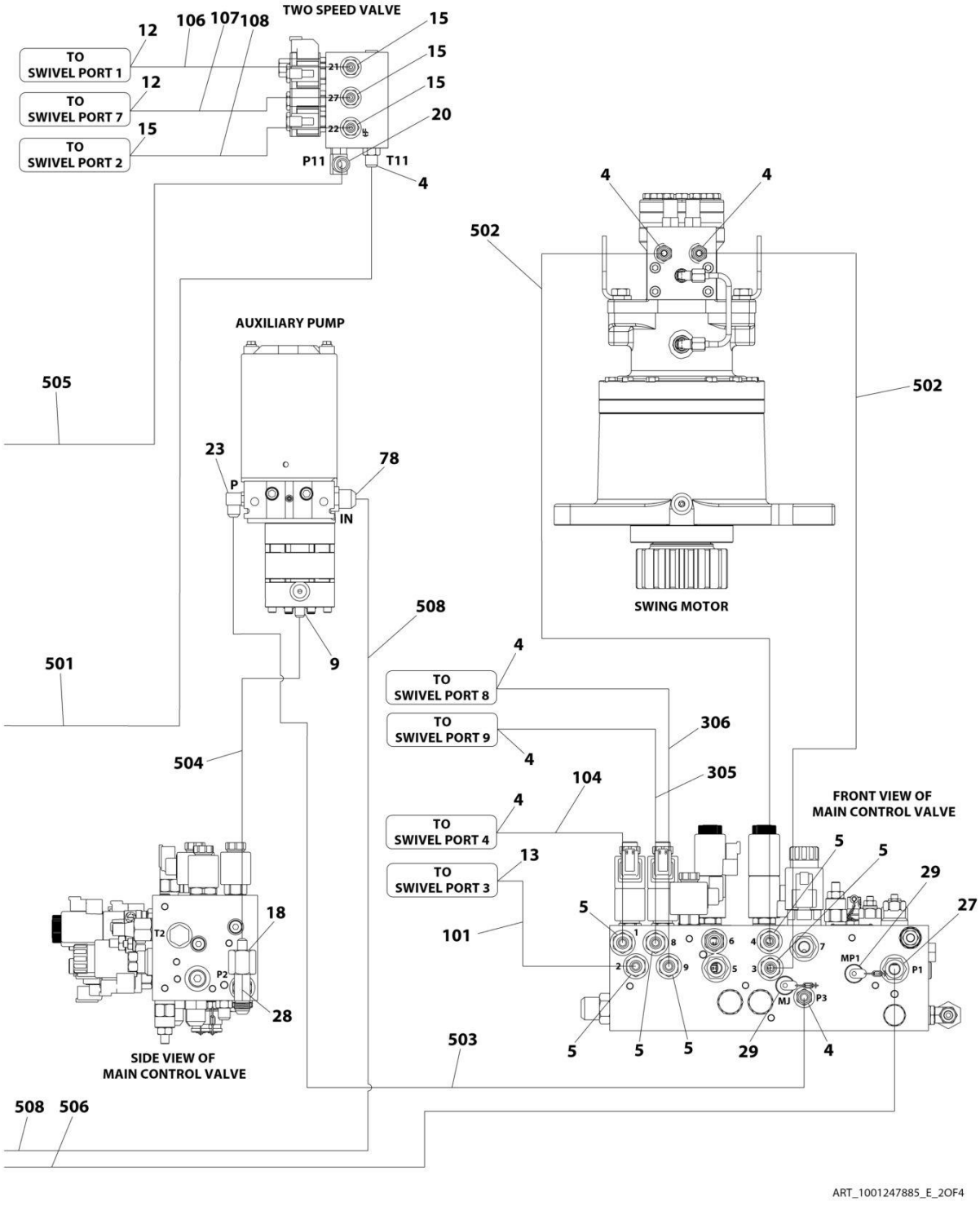
FIGURE 7-9. STANDARD HYDRAULIC DIAGRAM (2WS) (600S)

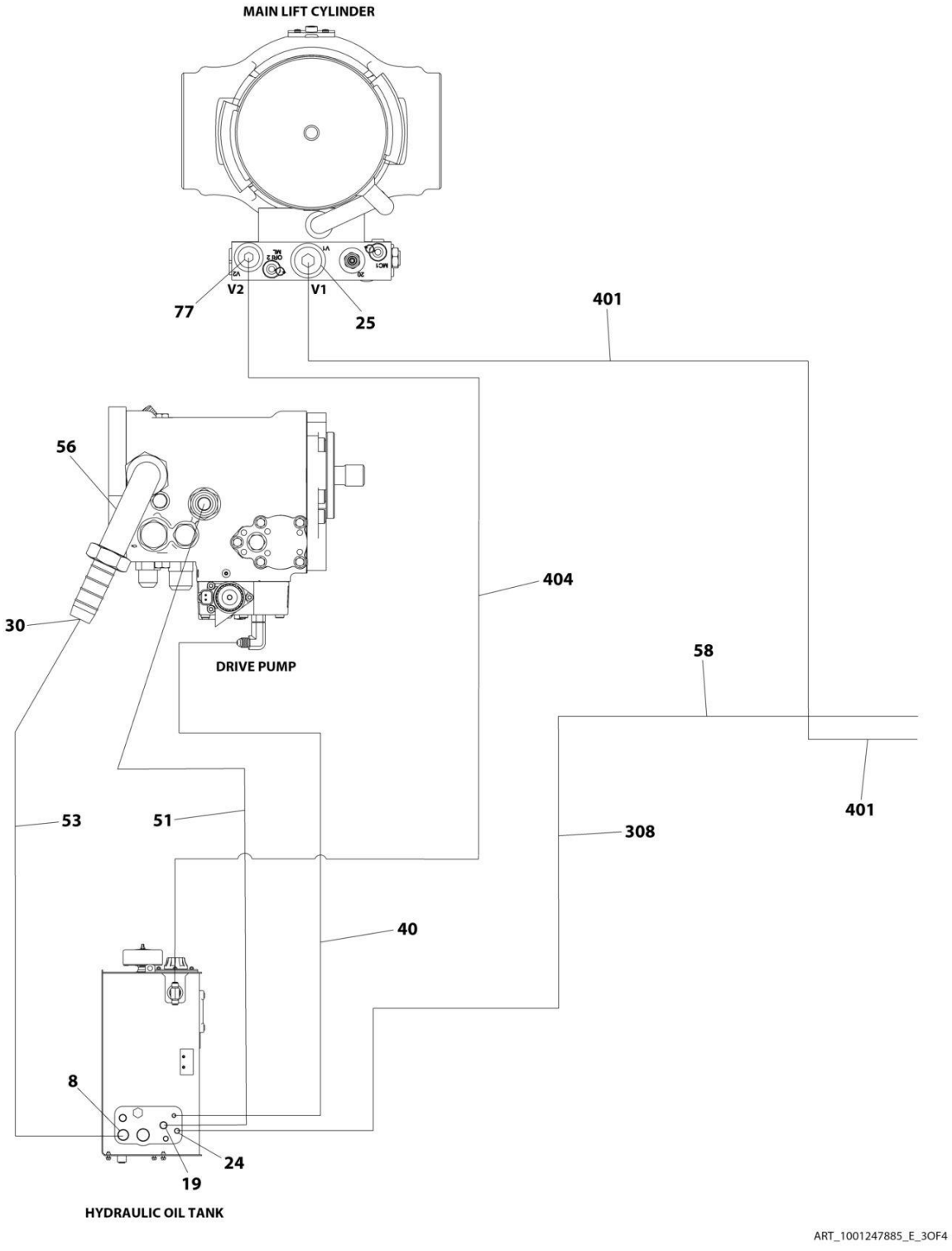
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247883	Ref	STANDARD HYDRAULIC DIAGRAM	E
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	2	Fitting, 90 JIC/ORB	
4	2220371	5	Fitting, Straight JIC/ORB	
5	2220372	4	Fitting, Straight JIC/ORB	
6	2220373	4	Fitting, Straight JIC/ORB	
7	2220375	1	Fitting, Straight JIC/ORB	
8	2220380	1	Fitting, Straight JIC/ORB	
9	2220415	3	Fitting, Straight JIC/ORB	
10	2220451	2	Fitting, Straight JIC/ORB	
11	2220466	1	Fitting, 90 JIC/ORB	
12	2220468	2	Fitting, Straight JIC/ORB	
13	2220473	1	Fitting, 90 JIC/ORB	
14	2220502	1	Fitting, 45 JIC/ORB	
15	2220582	4	Fitting, Straight JIC/ORB	
16	2220603	4	Fitting, Straight JIC/ORB	
17	2220606	1	Fitting, Tee JIC/ORB/JIC	
18	2220618	1	Fitting, Straight JIC/FSJIC	
19	2220637	1	Fitting, 45 JIC/ORB	
20	2220726	1	Fitting, 90 JIC/ORB	
21	2220733	1	Fitting, Straight JIC/ORB	
22	2220738	1	Fitting, Tee JIC/ORB/JIC	
23	2220775	1	Fitting, 90 JIC/ORB	
24	2220852	3	Fitting, Straight JIC/ORB	
25	2220865	1	Fitting, Straight JIC/ORB	
26	2220906	1	Fitting, 90 JIC/ORB	
27	2220947	3	Fitting, Straight JIC/ORB	
28	2220999	1	Fitting, Tee JIC/ORB/JIC	
29	2221086	3	Fitting, Test	
30	80633030	2	Clamp	
31	1001119455	1	Valve, Oil Sampling	
33	1001192658	1	Hose	
36	1001192684	1	Hose	
37	1001192685	1	Hose	
38	1001192686	1	Hose	
39	1001192687	1	Hose	
40	1001192690	1	Hose	
41	1001192693	1	Pipe	
42	1001192694	1	Pipe	
47	1001201255	1	Pipe	
49	1001203431	1	Hose	
50	1001203432	1	Hose	
51	1001203433	1	Hose	
52	1001204389	1	Hose	
54	1001205824	2	Fitting, 90 Barb	
55	1001214408	1	Fitting, Tee JIC/ORB/JIC	
56	1001220903	1	Pipe	
58	1001220941	1	Hose	
75	2220374	1	Fitting, Straight JIC/ORB	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
76	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001269913	1	Turntable Hose Kit	
301	1001192661	1	Hose	
302	1001192663	1	Hose	
303	1001192695	1	Hose	
304	1001192698	1	Hose	
305	1001203424	1	Hose	
306	1001220912	1	Hose	
400	1001269914	1	Boom Hose Kit	
401	1001192641	1	Hose	
402	1001192696	1	Hose	
403	1001192699	1	Hose	
404	1001204645	1	Hose	
500	1001274127	1	Tank Side Hose Kit	
501	1001247865	1	Hose	
502	1001247866	2	Hose	
503	1001247868	1	Hose	
504	1001247869	1	Hose	
505	1001247873	1	Hose	
506	1001247875	1	Hose	
507	1001247882	1	Hose	
508	1001274114	1	Hose	

FIGURE 7-10. STANDARD HYDRAULIC DIAGRAM (4WS) (600S)




TWO SPEED VALVE
TO SWIVEL PORT 1
TO SWIVEL PORT 7
TO SWIVEL PORT 2
P11
T11
AUXILIARY PUMP
P
IN
SWING MOTOR
TO SWIVEL PORT 8
TO SWIVEL PORT 9
TO SWIVEL PORT 4
TO SWIVEL PORT 3
FRONT VIEW OF MAIN CONTROL VALVE
SIDE VIEW OF MAIN CONTROL VALVE
MP1
P1
MJ
P3
T2
P2
ART_1001247885_E_2OF4


MAIN LIFT CYLINDER
V2
V1
77
25
401
56
404
30
DRIVE PUMP
58
401
53
51
308
40
8
24
19
HYDRAULIC OIL TANK
ART_1001247885_E_3OF4

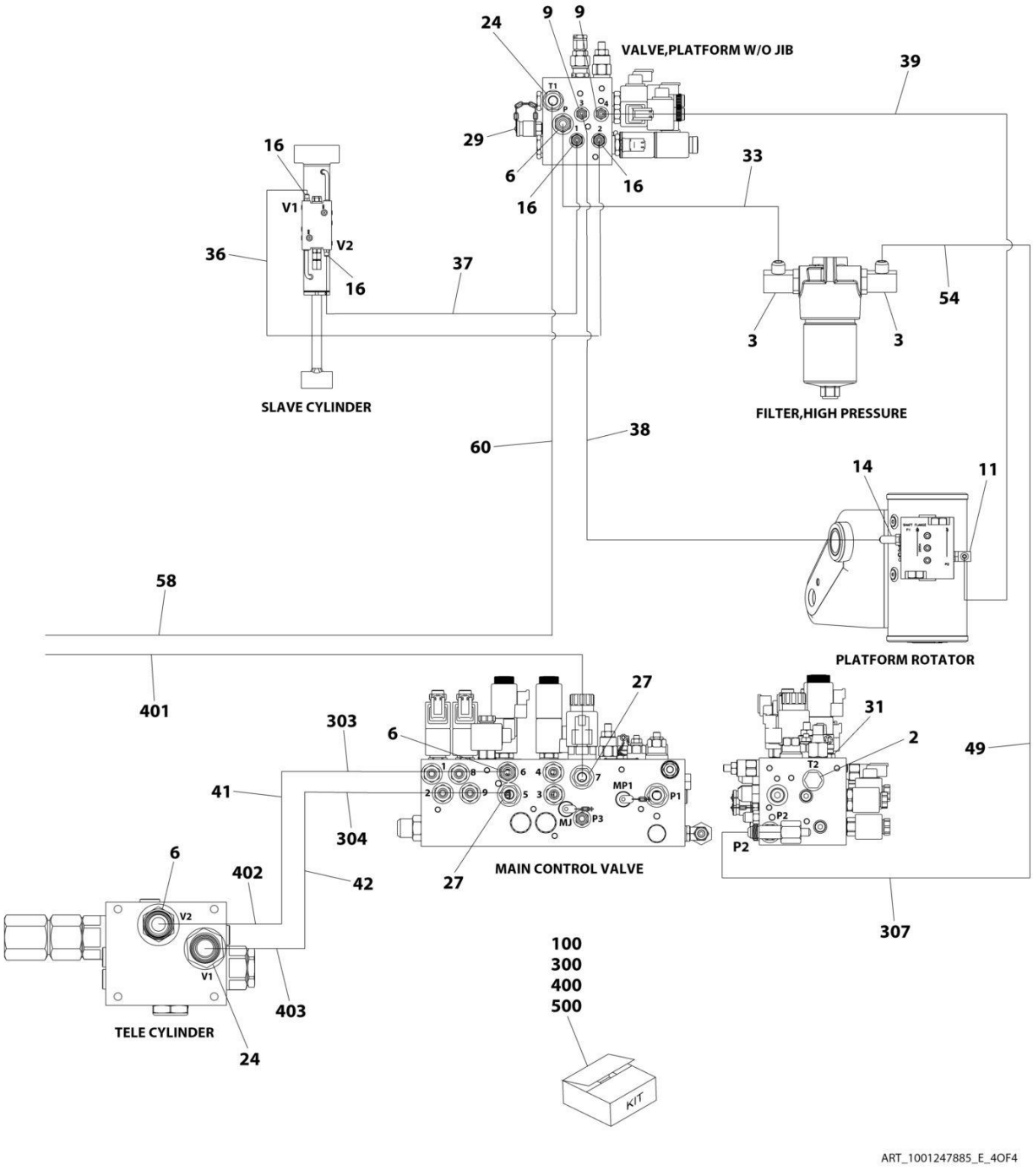
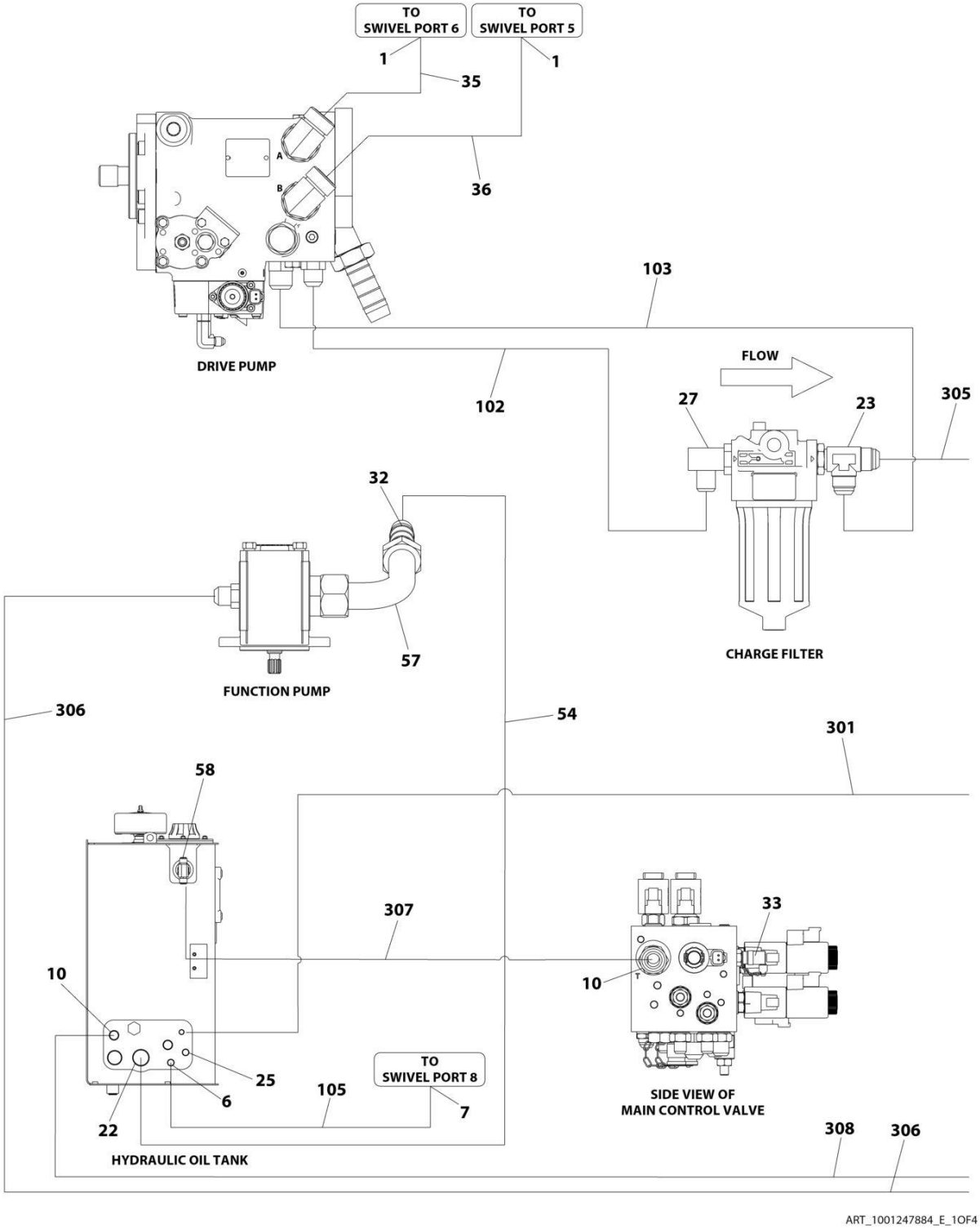

VALVE,PLATFORM W/O JIB
SLAVE CYLINDER
FILTER,HIGH PRESSURE
PLATFORM ROTATOR
MAIN CONTROL VALVE
TELE CYLINDER
KIT
24
9
9
39
29
6
16
16
33
16
V1
V2
36
16
37
54
3
3
60
38
14
11
58
401
303
27
6
31
2
49
41
304
27
42
402
6
307
100
300
400
500
403
24
ART_1001247885_E_4OF4

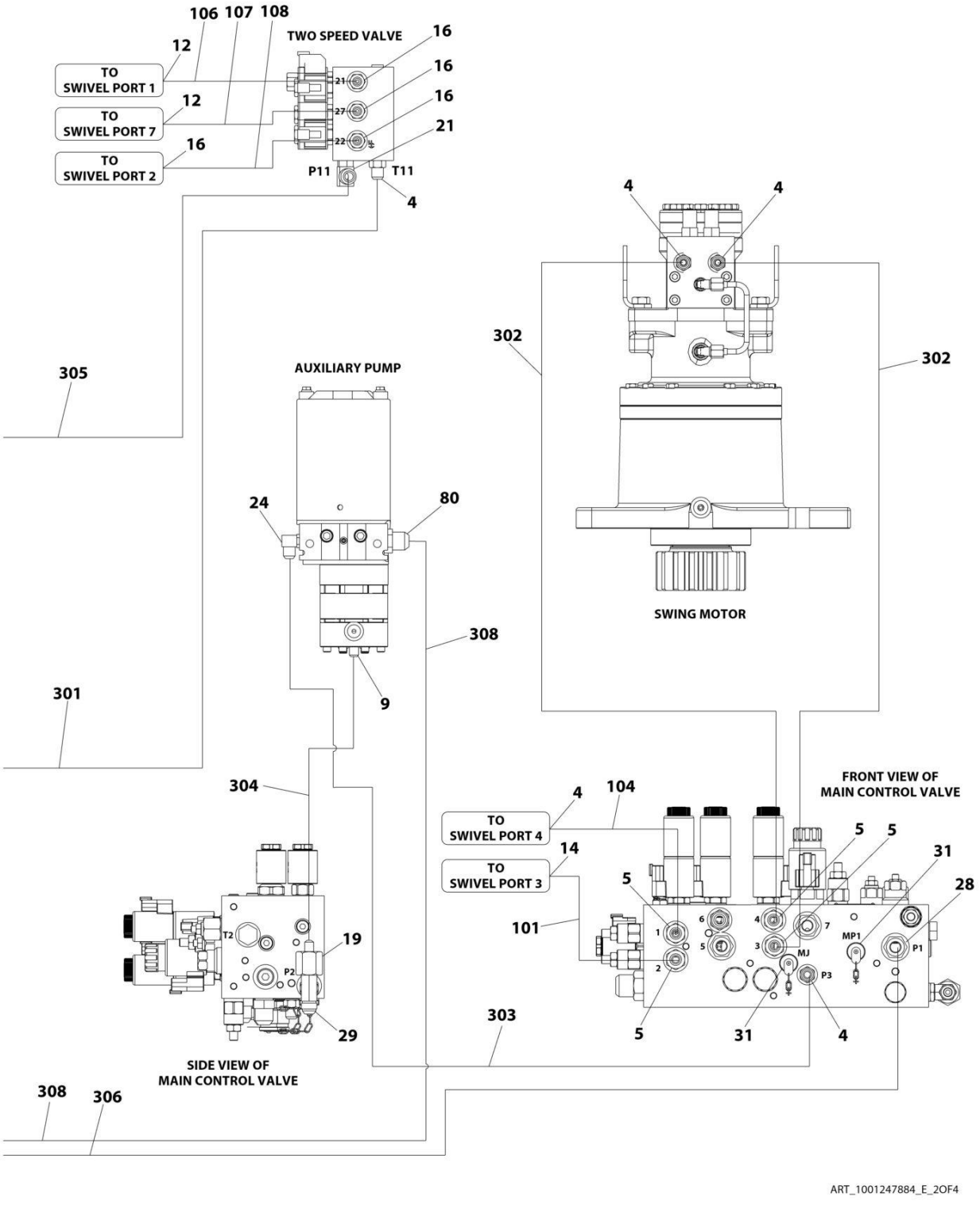
FIGURE 7-10. STANDARD HYDRAULIC DIAGRAM (4WS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247885	Ref	STANDARD HYDRAULIC DIAGRAM	E
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	2	Fitting, 90 JIC/ORB	
4	2220371	7	Fitting, Straight JIC/ORB	
5	2220372	6	Fitting, Straight JIC/ORB	
6	2220373	4	Fitting, Straight JIC/ORB	
7	2220375	1	Fitting, Straight JIC/ORB	
8	2220380	1	Fitting, Straight JIC/ORB	
9	2220415	3	Fitting, Straight JIC/ORB	
10	2220451	2	Fitting, Straight JIC/ORB	
11	2220466	1	Fitting, 90 JIC/ORB	
12	2220468	2	Fitting, Straight JIC/ORB	
13	2220473	1	Fitting, 90 JIC/ORB	
14	2220502	1	Fitting, 45 JIC/ORB	
15	2220582	4	Fitting, Straight JIC/ORB	
16	2220603	4	Fitting, Straight JIC/ORB	
17	2220606	1	Fitting, Tee JIC/ORB/JIC	
18	2220618	1	Fitting, Straight JIC/FSJIC	
19	2220637	1	Fitting, 45 JIC/ORB	
20	2220726	1	Fitting, 90 JIC/ORB	
21	2220733	1	Fitting, Straight JIC/ORB	
22	2220738	1	Fitting, Tee JIC/ORB/JIC	
23	2220775	1	Fitting, 90 JIC/ORB	
24	2220852	3	Fitting, Straight JIC/ORB	
25	2220865	1	Fitting, Straight JIC/ORB	
26	2220906	1	Fitting, 90 JIC/ORB	
27	2220947	3	Fitting, Straight JIC/ORB	
28	2220999	1	Fitting, Tee JIC/ORB/JIC	
29	2221086	3	Fitting, Test	
30	80633030	2	Clamp	
31	1001119455	1	Valve, Oil Sampling	
33	1001192658	1	Hose	
36	1001192684	1	Hose	
37	1001192685	1	Hose	
38	1001192686	1	Hose	
39	1001192687	1	Hose	
40	1001192690	1	Hose	
41	1001192693	1	Pipe	
42	1001192694	1	Pipe	
49	1001201255	1	Pipe	
51	1001203431	1	Hose	
52	1001203432	1	Hose	
53	1001203433	1	Hose	
54	1001204389	1	Hose	
56	1001205824	2	Fitting, 90 Barb	
57	1001214408	1	Fitting, Tee JIC/ORB/JIC	
58	1001220903	1	Pipe	
60	1001220941	1	Hose	
77	2220374	1	Fitting, Straight JIC/ORB	

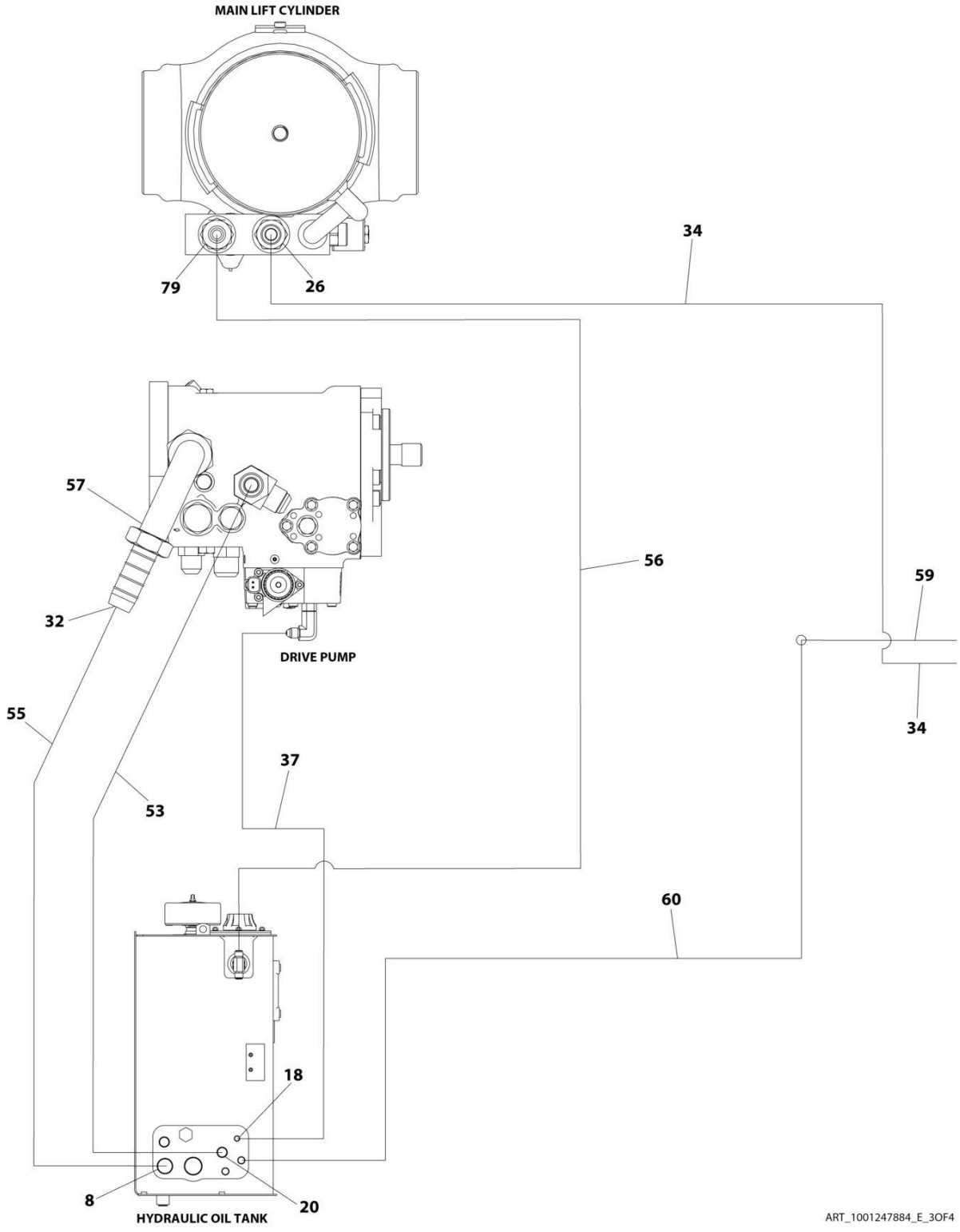
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
78	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001269915	1	Turntable Hose Kit	
301	1001192661	1	Hose	
302	1001192663	1	Hose	
303	1001192695	1	Hose	
304	1001192698	1	Hose	
305	1001194329	1	Hose	
306	1001194330	1	Hose	
307	1001203424	1	Hose	
308	1001220912	1	Hose	
400	1001269914	1	Boom Hose Kit	
401	1001192641	1	Hose	
402	1001192696	1	Hose	
403	1001192699	1	Hose	
404	1001204645	1	Hose	
500	1001274127	1	Tank Side Hose Kit	
501	1001247865	1	Hose	
502	1001247866	2	Hose	
503	1001247868	1	Hose	
504	1001247869	1	Hose	
505	1001247873	1	Hose	
506	1001247875	1	Hose	
507	1001247882	1	Hose	
508	1001274114	1	Hose	

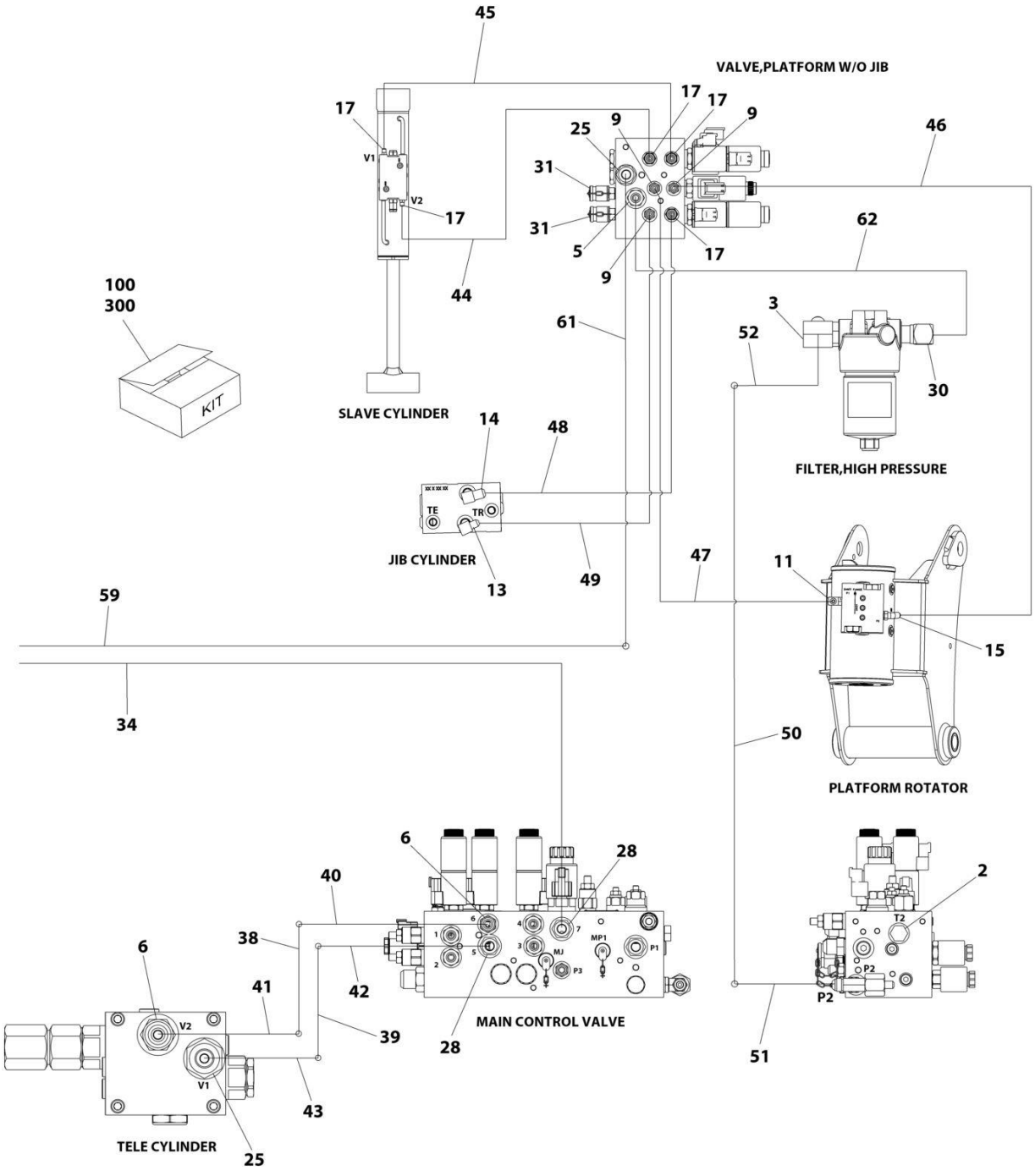
FIGURE 7-11. STANDARD HYDRAULIC DIAGRAM (2WS) (660SJ)




106
107
108
TWO SPEED VALVE
16
12
TO
SWIVEL PORT 1
16
12
TO
SWIVEL PORT 7
16
16
TO
SWIVEL PORT 2
21
P11
T11
4
4
4
302
302
305
AUXILIARY PUMP
24
80
SWING MOTOR
308
9
301
304
4
104
FRONT VIEW OF
MAIN CONTROL VALVE
TO
SWIVEL PORT 4
14
TO
SWIVEL PORT 3
5
5
31
28
5
101
MP1
P1
MJ
P3
T2
P2
19
29
5
31
4
303
SIDE VIEW OF
MAIN CONTROL VALVE
308
306
ART_1001247884_E_2OF4

SECTION 7 - HYDRAULIC





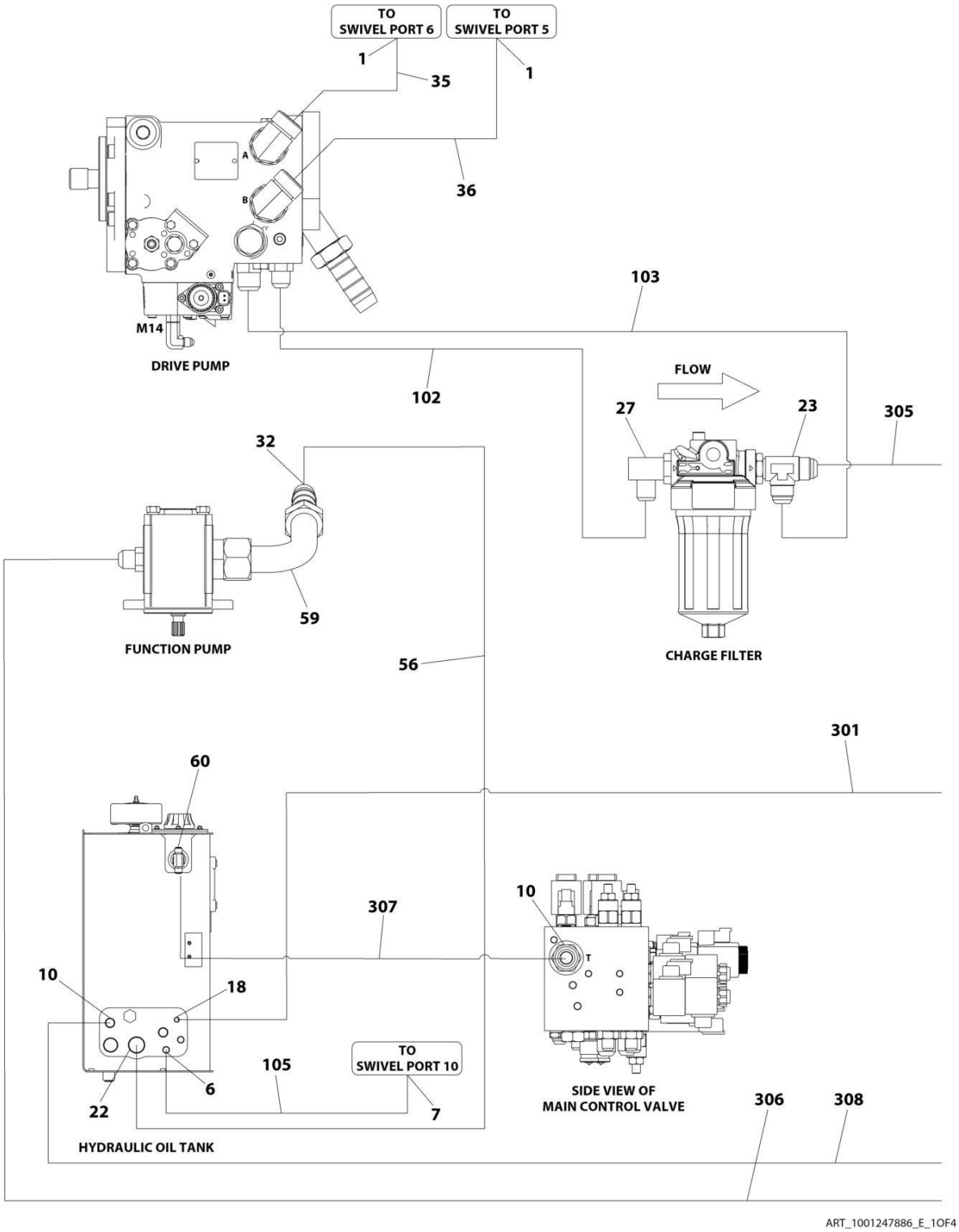
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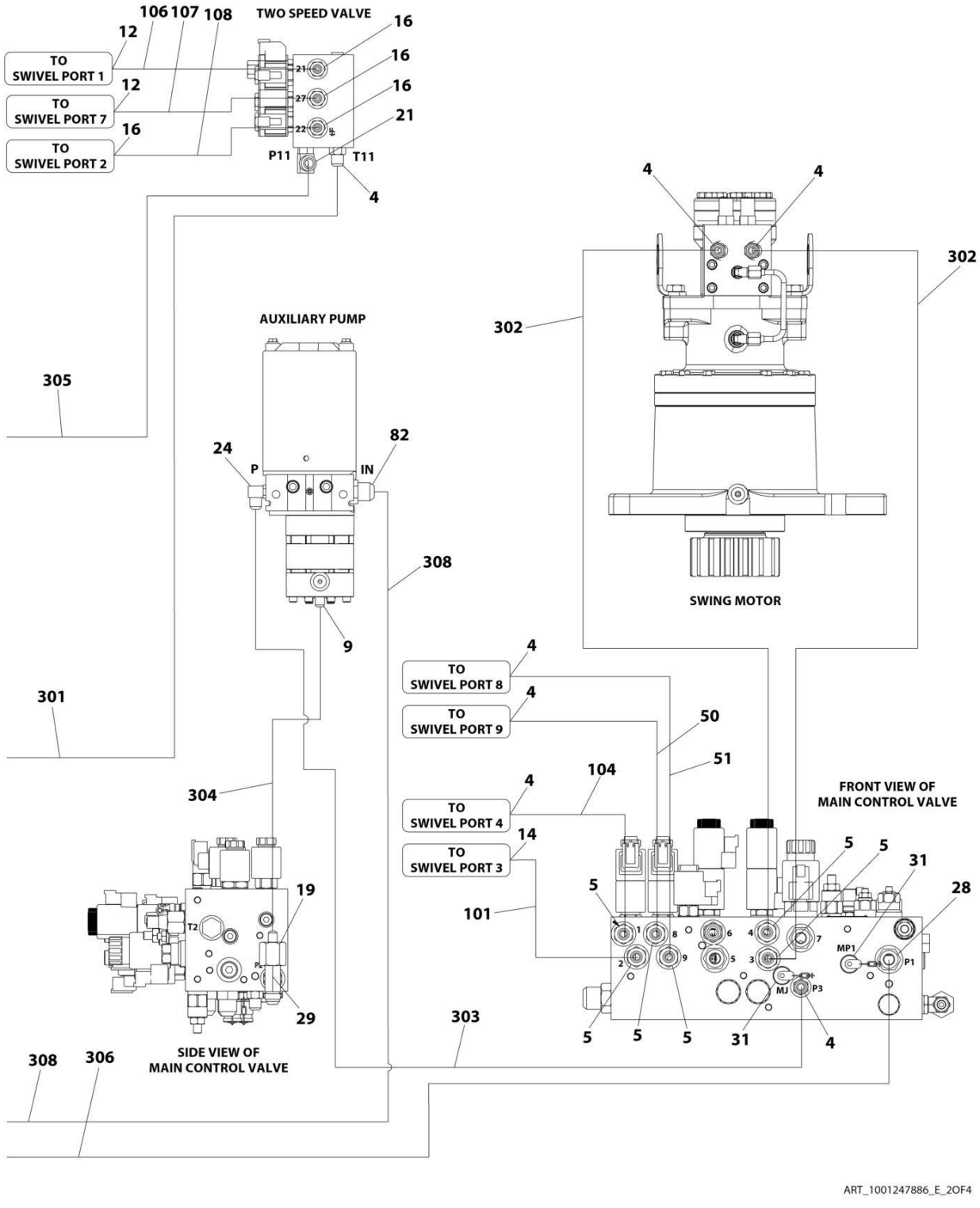
FIGURE 7-11. STANDARD HYDRAULIC DIAGRAM (2WS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247884	Ref	STANDARD HYDRAULIC DIAGRAM	E
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	1	Fitting, 90 JIC/ORB	
4	2220371	5	Fitting, Straight JIC/ORB	
5	2220372	5	Fitting, Straight JIC/ORB	
6	2220373	2	Fitting, Straight JIC/ORB	
7	2220375	1	Fitting, Straight JIC/ORB	
8	2220380	1	Fitting, Straight JIC/ORB	
9	2220415	4	Fitting, Straight JIC/ORB	
10	2220451	2	Fitting, Straight JIC/ORB	
11	2220466	1	Fitting, 90 JIC/ORB	
12	2220468	2	Fitting, Straight JIC/ORB	
13	2220472	1	Fitting, 90 JIC/ORB	
14	2220473	2	Fitting, 90 JIC/ORB	
15	2220502	1	Fitting, 45 JIC/ORB	
16	2220582	4	Fitting, Straight JIC/ORB	
17	2220603	5	Fitting, Straight JIC/ORB	
18	2220606	1	Fitting, Tee JIC/ORB/JIC	
19	2220618	1	Fitting, Straight JIC/FSJIC	
20	2220637	1	Fitting, 45 JIC/ORB	
21	2220726	1	Fitting, 90 JIC/ORB	
22	2220733	1	Fitting, Straight JIC/ORB	
23	2220738	1	Fitting, Tee JIC/ORB/JIC	
24	2220775	1	Fitting, 90 JIC/ORB	
25	2220852	3	Fitting, Straight JIC/ORB	
26	2220865	1	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	3	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221048	1	Fitting, 90 JIC/ORB	
31	2221086	4	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
34	1001192641	1	Hose	
35	1001192661	1	Hose	
36	1001192663	1	Hose	
37	1001192690	1	Hose	
38	1001192693	1	Pipe	
39	1001192694	1	Pipe	
40	1001192695	1	Hose	
41	1001192696	1	Hose	
42	1001192698	1	Hose	
43	1001192699	1	Hose	
44	1001193927	1	Hose	
45	1001193928	1	Hose	
46	1001193929	1	Hose	
47	1001193930	1	Hose	
48	1001269096	1	Hose	
49	1001269097	1	Hose	

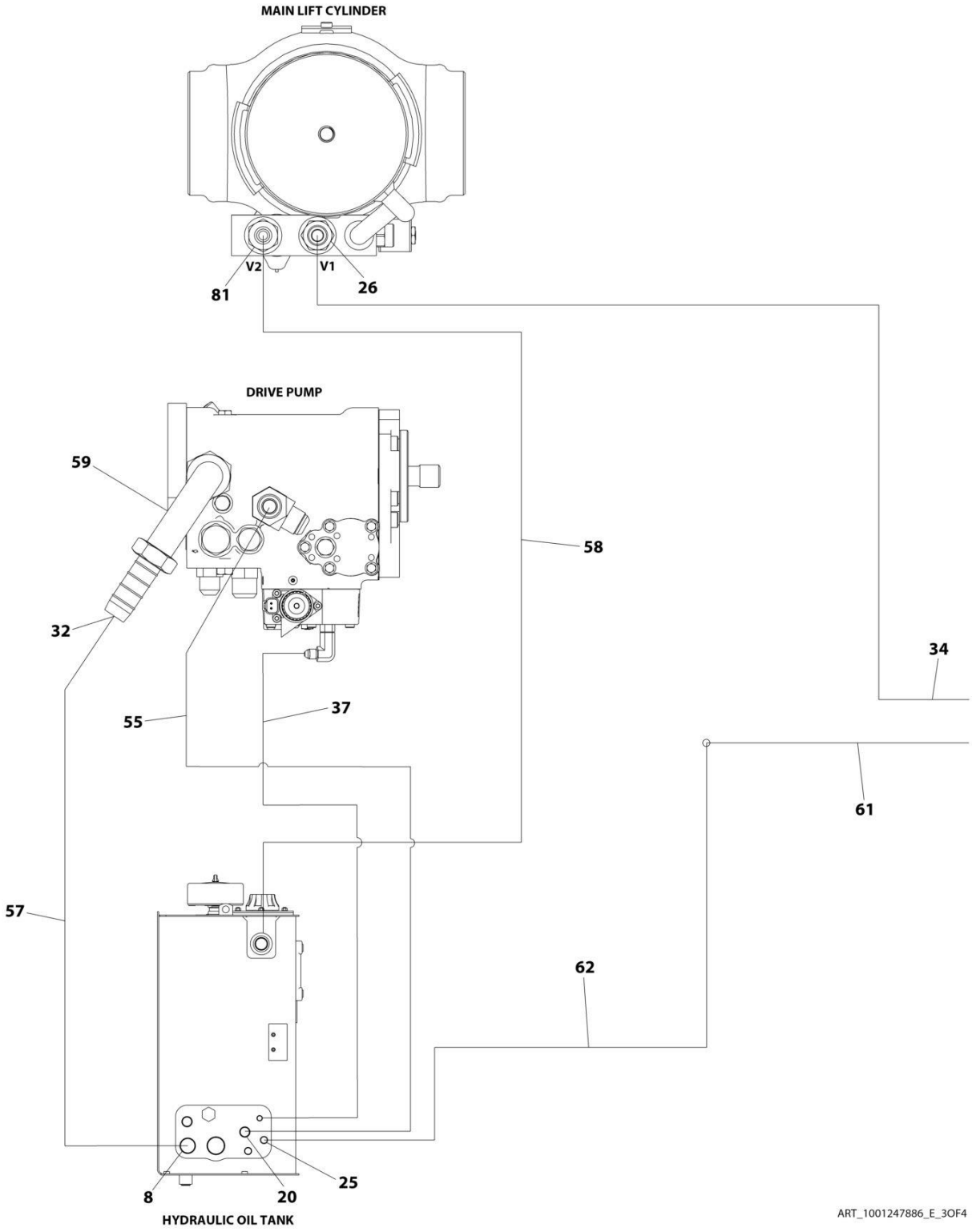
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001201255	1	Pipe	
51	1001203424	1	Hose	
52	1001203426	1	Hose	
53	1001203431	1	Hose	
54	1001203432	1	Hose	
55	1001203433	1	Hose	
56	1001204645	1	Hose	
57	1001205824	2	Fitting, 90 Barb	
58	1001214408	1	Fitting, Tee JIC/ORB/JIC	
59	1001220903	1	Pipe	
60	1001220912	1	Hose	
61	1001221016	1	Hose	
62	1001222522	1	Hose	
79	2220374	1	Fitting, Straight JIC/ORB	
80	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001274127	1	Tank Side Hose Kit	
301	1001247865	1	Hose	
302	1001247866	2	Hose	
303	1001247868	1	Hose	
304	1001247869	1	Hose	
305	1001247873	1	Hose	
306	1001247875	1	Hose	
307	1001247882	1	Hose	
308	1001274114	1	Hose	

FIGURE 7-12. STANDARD HYDRAULIC DIAGRAM (4WS) (660SJ)





ART_1001247886_E_2OF4


MAIN LIFT CYLINDER
V2
V1
81
26
DRIVE PUMP
59
58
32
34
55
37
61
57
62
8
20
25
HYDRAULIC OIL TANK
ART_1001247886_E_3OF4

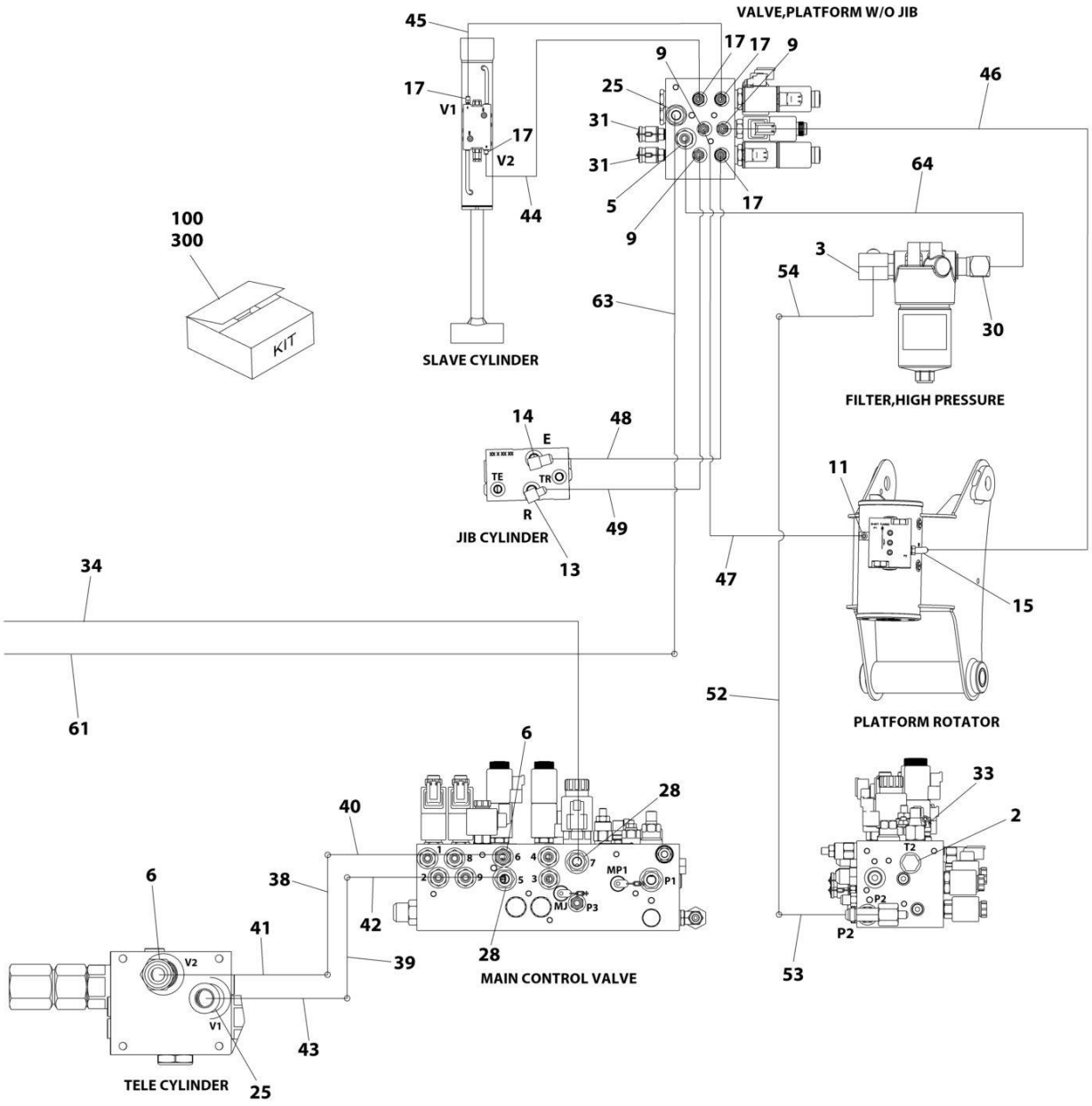
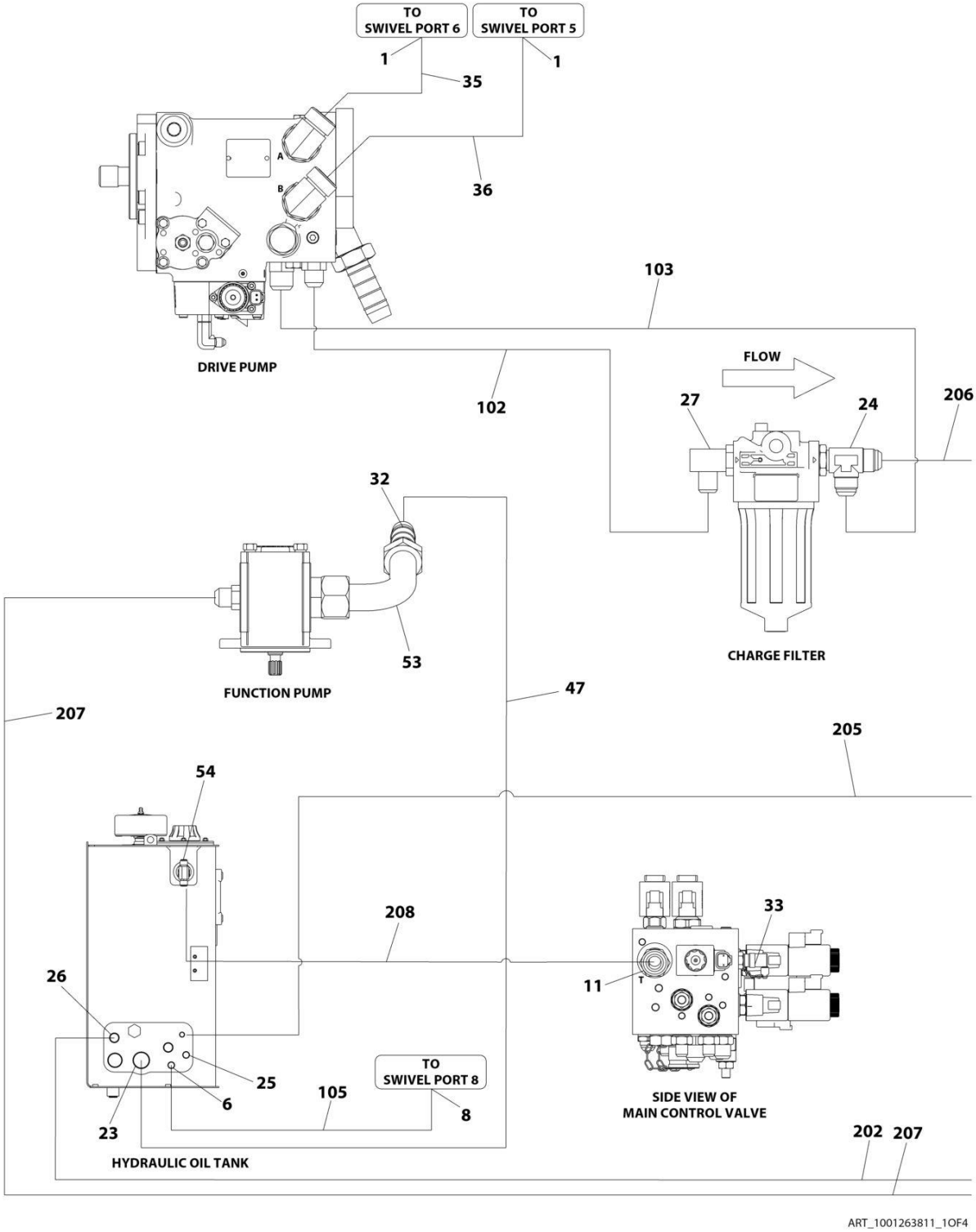

VALVE,PLATFORM W/O JIB
45
17
V1
17
V2
44
SLAVE CYLINDER
9
17
17
9
25
31
31
5
9
17
46
64
100
300
KIT
3
54
30
63
FILTER,HIGH PRESSURE
14
E
48
TE
TR
R
49
JIB CYLINDER
13
11
47
15
34
61
52
PLATFORM ROTATOR
6
28
40
38
42
41
39
6
V2
V1
43
25
TELE CYLINDER
28
MAIN CONTROL VALVE
MP1
P1
MJ
P3
33
2
T2
P2
P2
53
ART_1001247886_E_4OF4

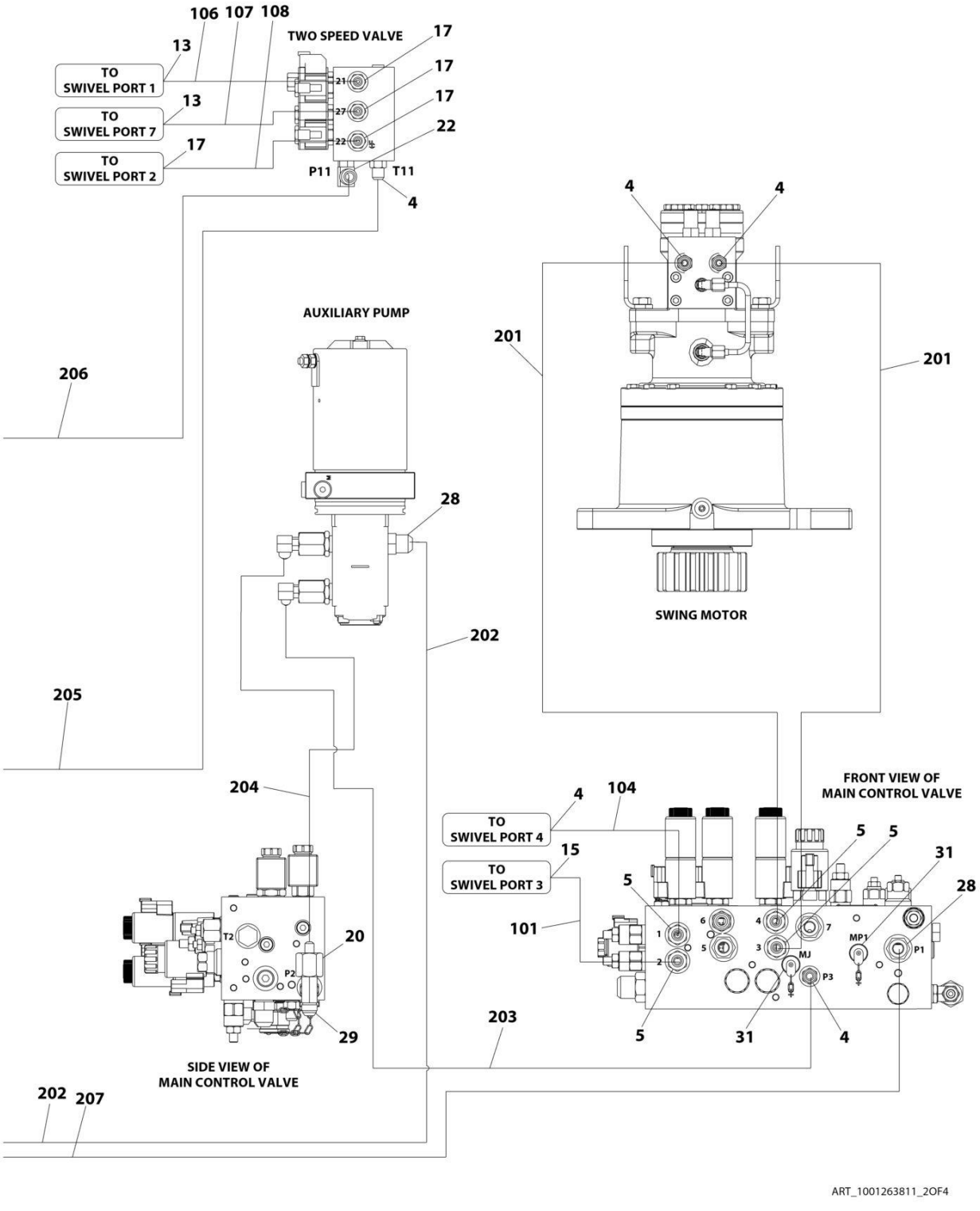
FIGURE 7-12. STANDARD HYDRAULIC DIAGRAM (4WS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247886	Ref	STANDARD HYDRAULIC DIAGRAM	E
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	1	Fitting, 90 JIC/ORB	
4	2220371	7	Fitting, Straight JIC/ORB	
5	2220372	7	Fitting, Straight JIC/ORB	
6	2220373	3	Fitting, Straight JIC/ORB	
7	2220375	1	Fitting, Straight JIC/ORB	
8	2220380	1	Fitting, Straight JIC/ORB	
9	2220415	4	Fitting, Straight JIC/ORB	
10	2220451	2	Fitting, Straight JIC/ORB	
11	2220466	1	Fitting, 90 JIC/ORB	
12	2220468	2	Fitting, Straight JIC/ORB	
13	2220472	1	Fitting, 90 JIC/ORB	
14	2220473	2	Fitting, 90 JIC/ORB	
15	2220502	1	Fitting, 45 JIC/ORB	
16	2220582	4	Fitting, Straight JIC/ORB	
17	2220603	5	Fitting, Straight JIC/ORB	
18	2220606	1	Fitting, Tee JIC/ORB/JIC	
19	2220618	1	Fitting, Straight JIC/FSJIC	
20	2220637	1	Fitting, 45 JIC/ORB	
21	2220726	1	Fitting, 90 JIC/ORB	
22	2220733	1	Fitting, Straight JIC/ORB	
23	2220738	1	Fitting, Tee JIC/ORB/JIC	
24	2220775	1	Fitting, 90 JIC/ORB	
25	2220852	3	Fitting, Straight JIC/ORB	
26	2220865	1	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	3	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221048	1	Fitting, 90 JIC/ORB	
31	2221086	4	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
34	1001192641	1	Hose	
35	1001192661	1	Hose	
36	1001192663	1	Hose	
37	1001192690	1	Hose	
38	1001192693	1	Pipe	
39	1001192694	1	Pipe	
40	1001192695	1	Hose	
41	1001192696	1	Hose	
42	1001192698	1	Hose	
43	1001192699	1	Hose	
44	1001193927	1	Hose	
45	1001193928	1	Hose	
46	1001193929	1	Hose	
47	1001193930	1	Hose	
48	1001269096	1	Hose	
49	1001269097	1	Hose	

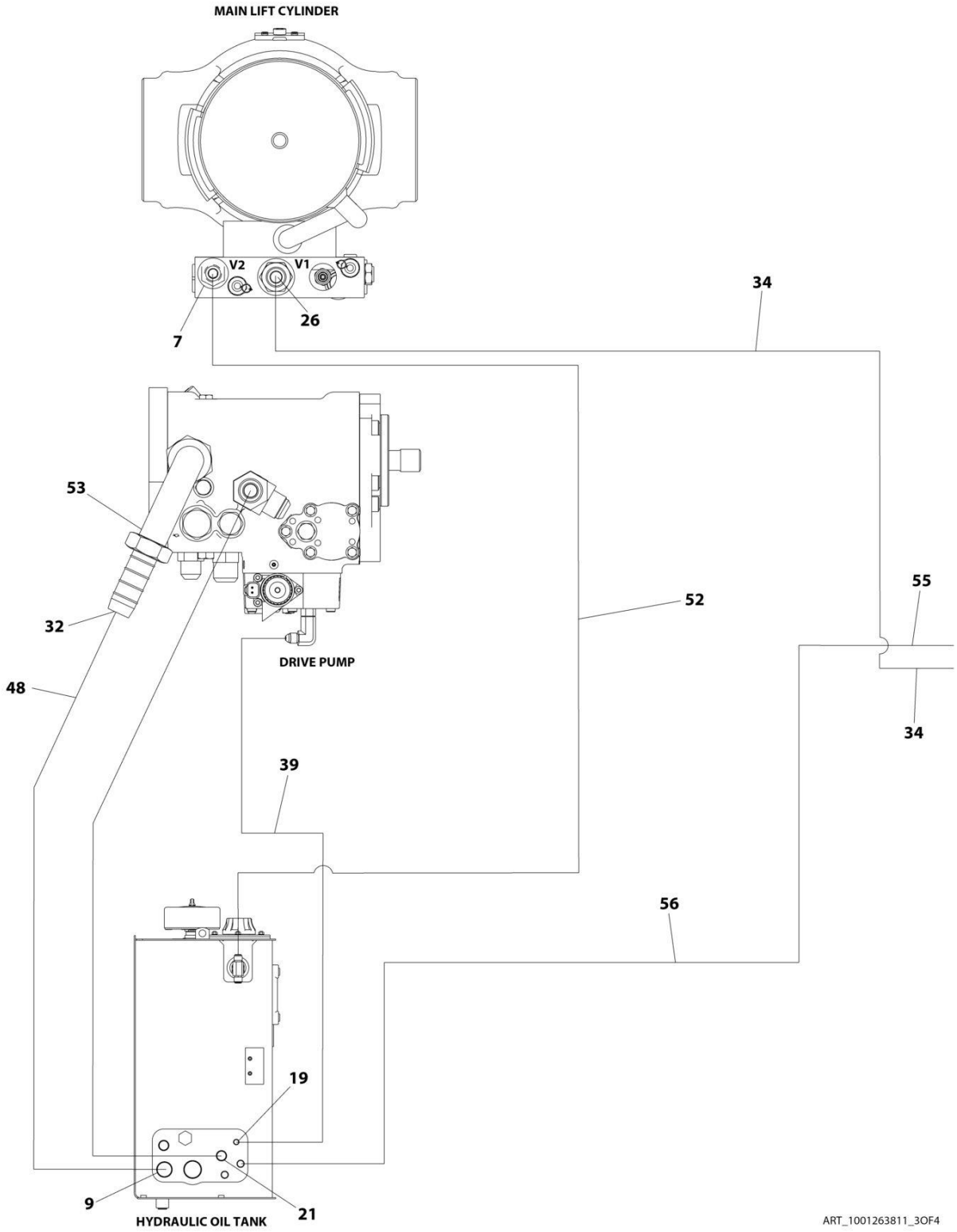
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
50	1001194329	1	Hose	
51	1001194330	1	Hose	
52	1001201255	1	Pipe	
53	1001203424	1	Hose	
54	1001203426	1	Hose	
55	1001203431	1	Hose	
56	1001203432	1	Hose	
57	1001203433	1	Hose	
58	1001204645	1	Hose	
59	1001205824	2	Fitting, 90 Barb	
60	1001214408	1	Fitting, Tee JIC/ORB/JIC	
61	1001220903	1	Pipe	
62	1001220912	1	Hose	
63	1001221016	1	Hose	
64	1001222522	1	Hose	
81	2220374	1	Fitting, Straight JIC/ORB	
82	2220408	1	Fitting, Straight JIC/ORB	
100	1001250981	1	Engine Side Hose Kit	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
300	1001274127	1	Tank Side Hose Kit	
301	1001247865	1	Hose	
302	1001247866	2	Hose	
303	1001247868	1	Hose	
304	1001247869	1	Hose	
305	1001247873	1	Hose	
306	1001247875	1	Hose	
307	1001247882	1	Hose	
308	1001274114	1	Hose	

FIGURE 7-13. STANDARD HYDRAULIC DIAGRAM (2WS) (660SJ)




106
107
108
TWO SPEED VALVE
13
TO
SWIVEL PORT 1
13
TO
SWIVEL PORT 7
17
TO
SWIVEL PORT 2
17
17
17
22
P11
T11
4
4
4
AUXILIARY PUMP
206
201
201
28
SWING MOTOR
202
205
204
FRONT VIEW OF
MAIN CONTROL VALVE
4
104
TO
SWIVEL PORT 4
15
TO
SWIVEL PORT 3
5
5
5
31
28
101
MP1
P1
MJ
P3
T2
P2
20
29
5
31
4
203
SIDE VIEW OF
MAIN CONTROL VALVE
202
207
ART_1001263811_2OF4

SECTION 7 - HYDRAULIC



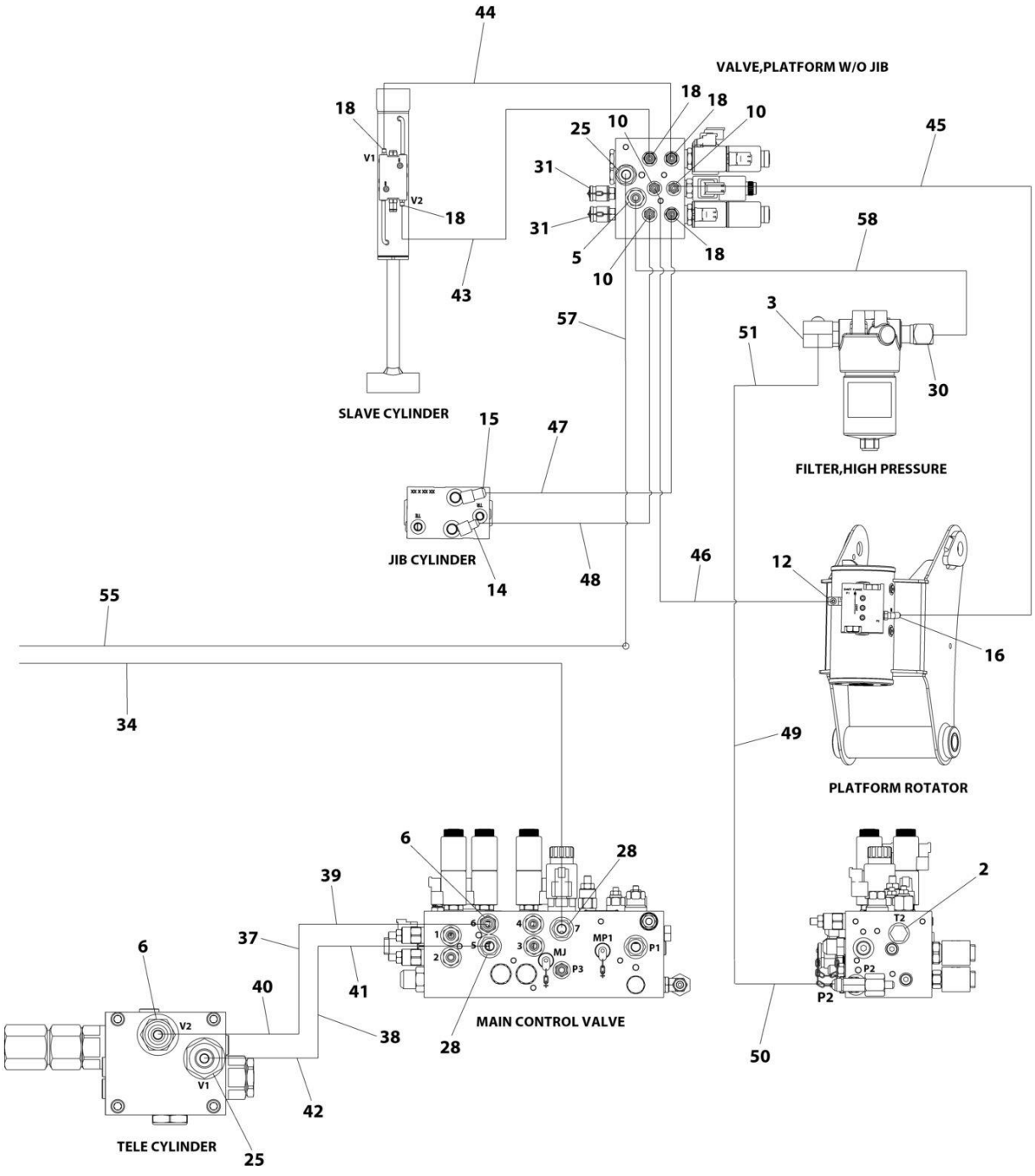
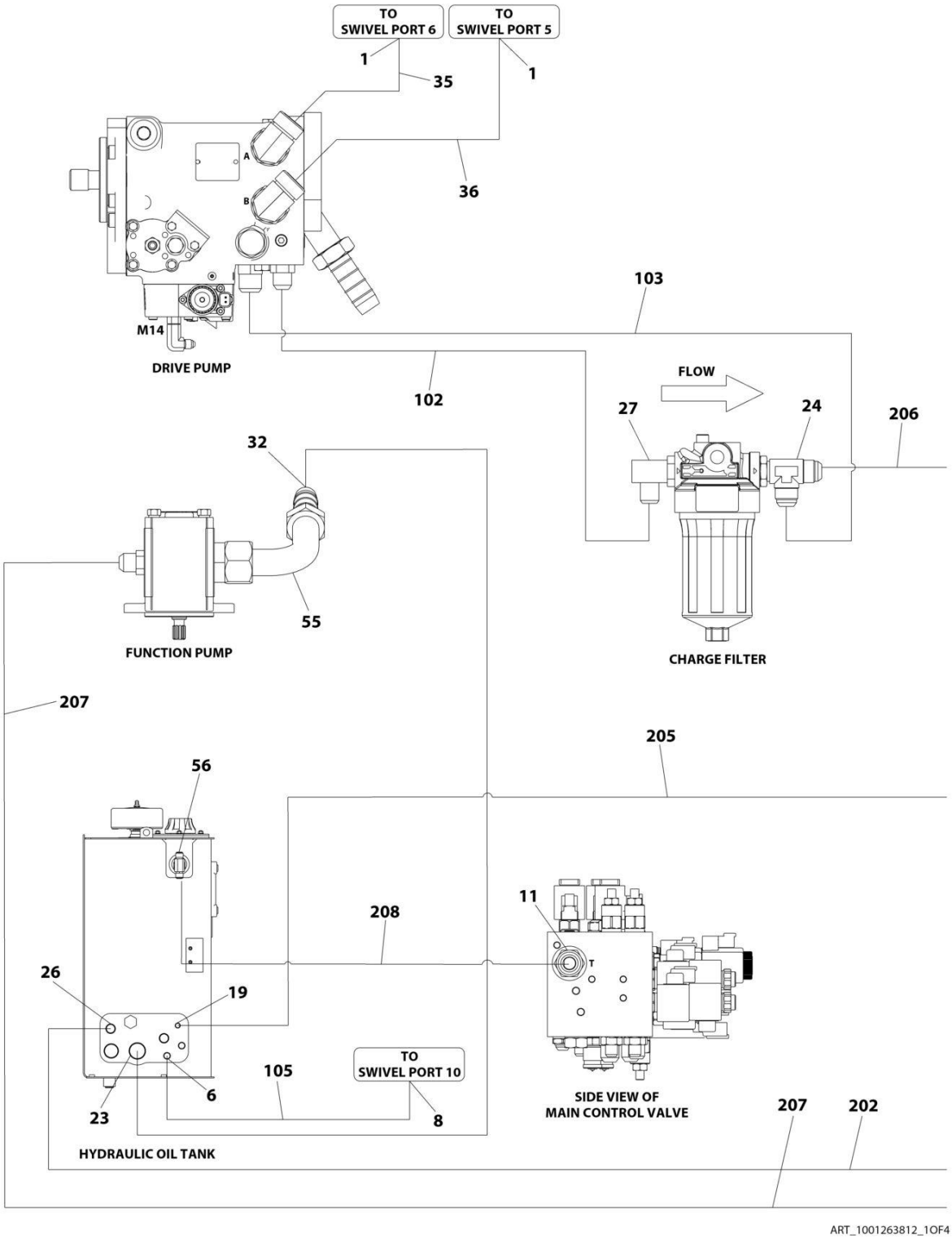

VALVE,PLATFORM W/O JIB
SLAVE CYLINDER
JIB CYLINDER
FILTER,HIGH PRESSURE
PLATFORM ROTATOR
MAIN CONTROL VALVE
TELE CYLINDER
ART_1001263811_3OF4

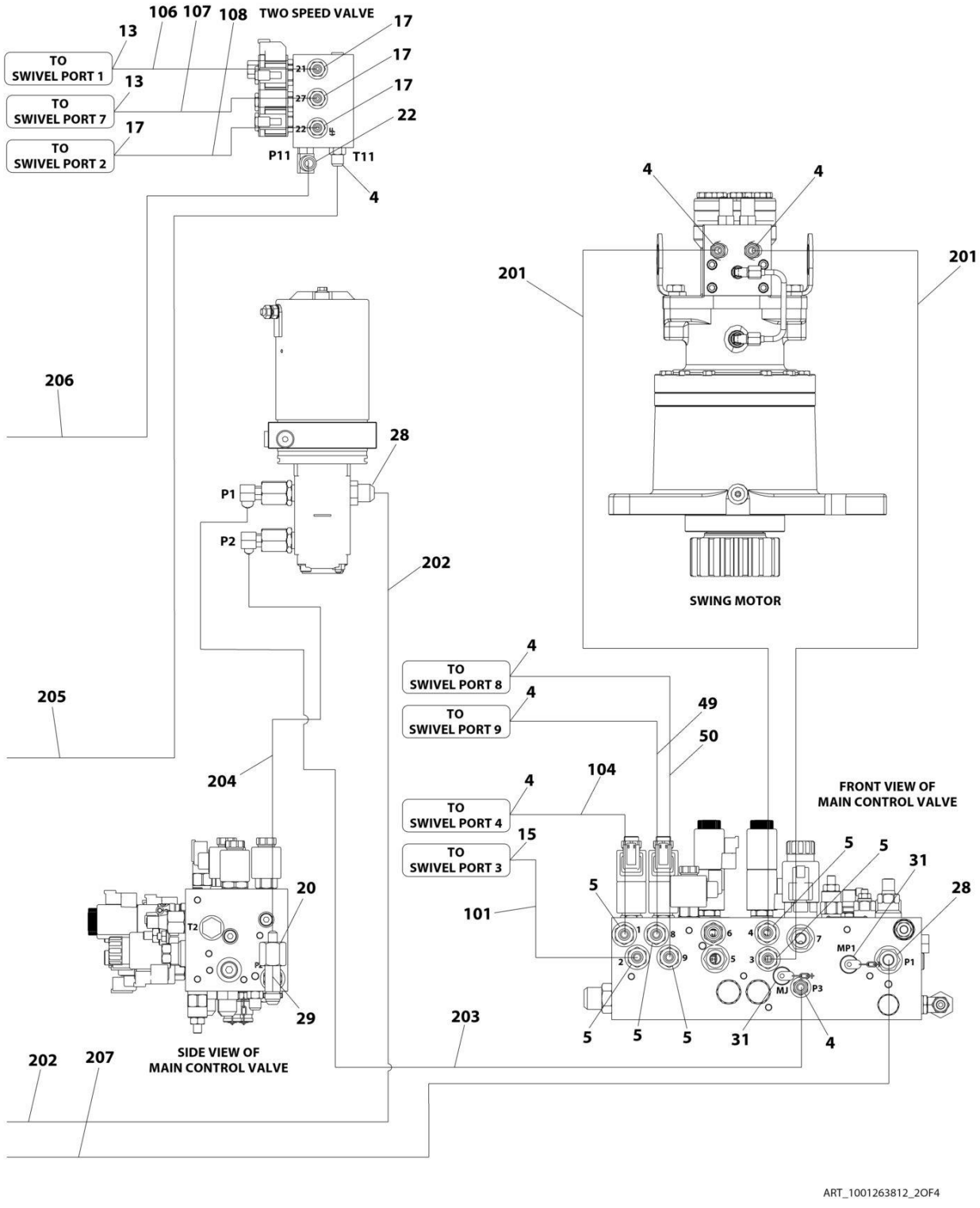
FIGURE 7-13. STANDARD HYDRAULIC DIAGRAM (2WS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263811	Ref	STANDARD HYDRAULIC DIAGRAM	B
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	1	Fitting, 90 JIC/ORB	
4	2220371	5	Fitting, Straight JIC/ORB	
5	2220372	5	Fitting, Straight JIC/ORB	
6	2220373	3	Fitting, Straight JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	2220375	1	Fitting, Straight JIC/ORB	
9	2220380	1	Fitting, Straight JIC/ORB	
10	2220415	3	Fitting, Straight JIC/ORB	
11	2220451	1	Fitting, Straight JIC/ORB	
12	2220466	1	Fitting, 90 JIC/ORB	
13	2220468	2	Fitting, Straight JIC/ORB	
14	2220472	1	Fitting, 90 JIC/ORB	
15	2220473	2	Fitting, 90 JIC/ORB	
16	2220502	1	Fitting, 45 JIC/ORB	
17	2220582	4	Fitting, Straight JIC/ORB	
18	2220603	5	Fitting, Straight JIC/ORB	
19	2220606	1	Fitting, Tee JIC/ORB/JIC	
20	2220618	1	Fitting, Straight JIC/FSJIC	
21	2220637	1	Fitting, 45 JIC/ORB	
22	2220726	1	Fitting, 90 JIC/ORB	
23	2220733	1	Fitting, Straight JIC/ORB	
24	2220738	1	Fitting, Tee JIC/ORB/JIC	
25	2220852	3	Fitting, Straight JIC/ORB	
26	2220865	2	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	4	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221048	1	Fitting, 90 JIC/ORB	
31	2221086	4	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
34	1001192641	1	Hose	
35	1001192661	1	Hose	
36	1001192663	1	Hose	
37	1001192693	1	Pipe	
38	1001192694	1	Pipe	
39	1001192695	1	Hose	
40	1001192696	1	Hose	
41	1001192698	1	Hose	
42	1001192699	1	Hose	
43	1001193927	1	Hose	
44	1001193928	1	Hose	
45	1001193929	1	Hose	
46	1001193930	1	Hose	
47	1001193932	1	Hose 1/4IN X 136.5IN	
47	1001269096	1	Hose 3/8IN x 139.5IN	
48	1001193933	1	Hose 1/4IN X 140IN	

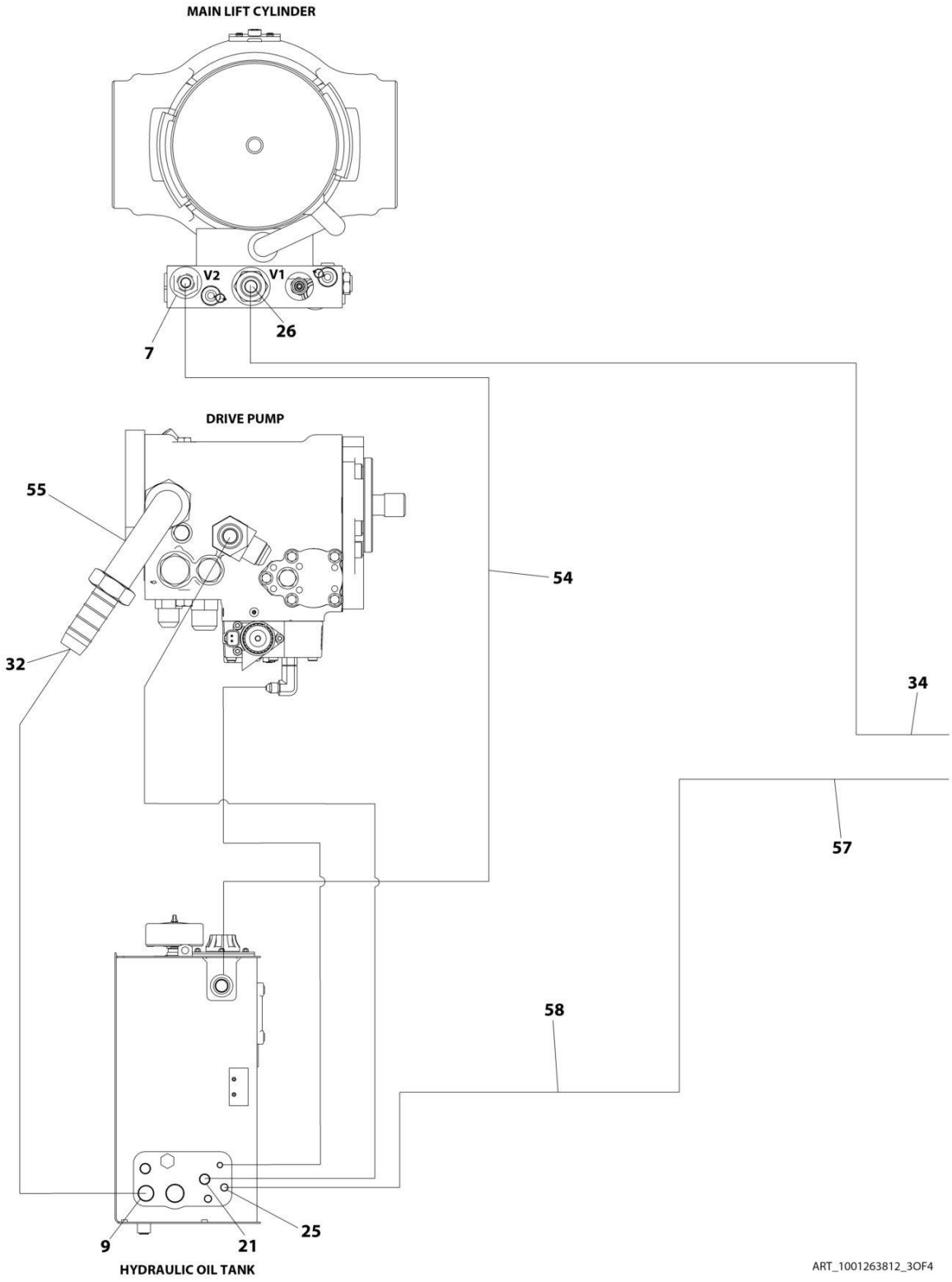
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001269097	1	Hose 1/4IN X 146IN	
49	1001201255	1	Pipe	
50	1001203424	1	Hose	
51	1001203426	1	Hose	
52	1001204645	1	Hose	
53	1001205824	2	Fitting, 90 Barb	
54	1001214408	1	Fitting, Tee JIC/ORB/JIC	
55	1001220903	1	Pipe	
56	1001220912	1	Hose	
57	1001221016	1	Hose	
58	1001222522	1	Hose	
100	1001250981	1	Hose Kit - Engine Side (Not Shown - Includes Items 101-108)	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
200	1001250982	1	Hose Kit - Tank Side (Not Shown - Includes Items 201-208)	
201	1001247866	2	Hose	
202	1001247867	1	Hose	
203	1001247868	1	Hose	
204	1001247869	1	Hose	
205	1001247865	1	Hose	
206	1001247873	1	Hose	
207	1001247875	1	Hose	
208	1001247882	1	Hose	

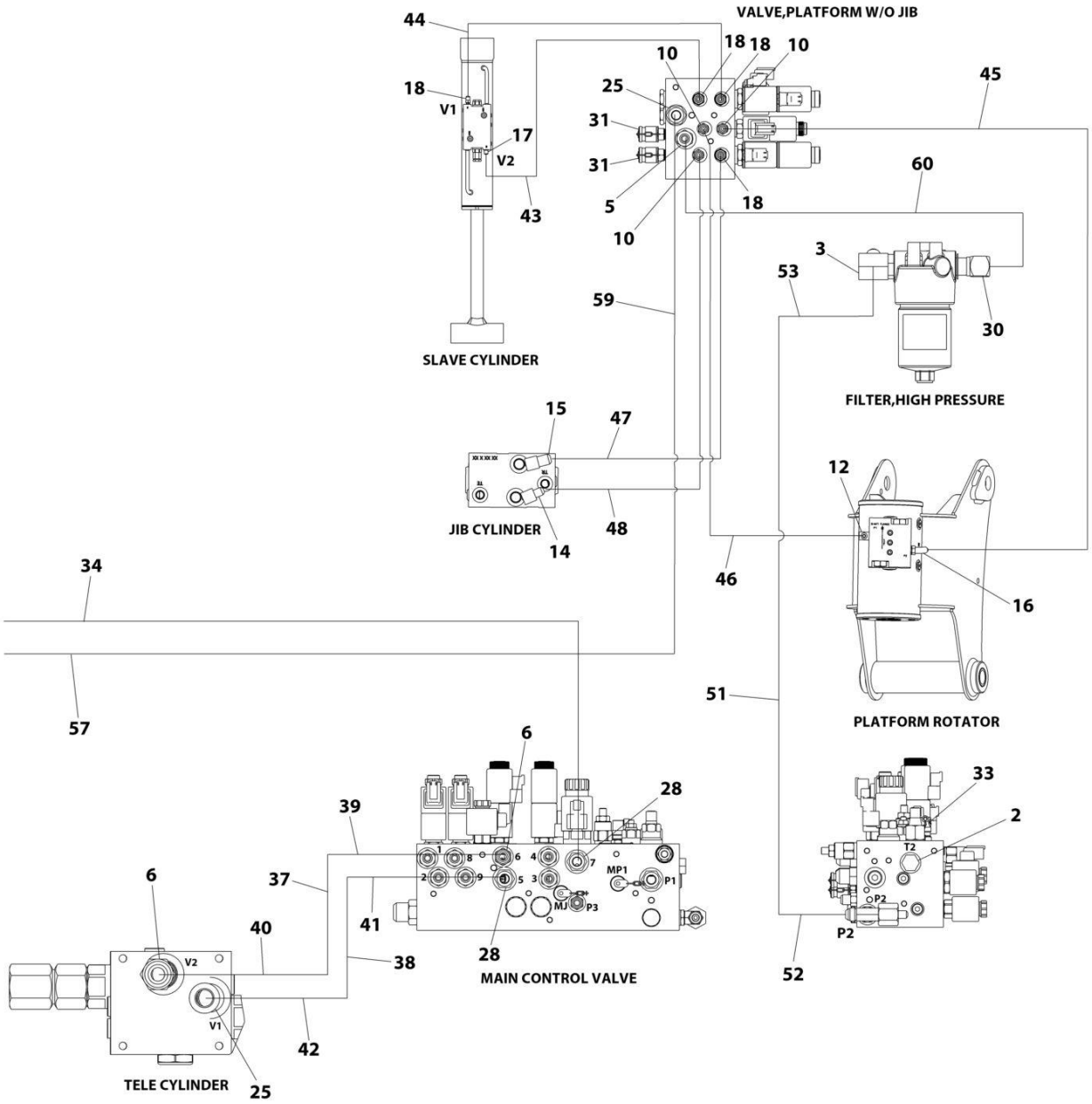
FIGURE 7-14. STANDARD HYDRAULIC DIAGRAM (4WS) (660SJ)




TWO SPEED VALVE
106
107
108
13
17
TO SWIVEL PORT 1
TO SWIVEL PORT 7
TO SWIVEL PORT 2
21
27
22
P11
T11
4
206
28
P1
P2
202
205
204
SIDE VIEW OF MAIN CONTROL VALVE
T2
20
29
207
203
201
SWING MOTOR
TO SWIVEL PORT 8
TO SWIVEL PORT 9
TO SWIVEL PORT 4
TO SWIVEL PORT 3
49
50
104
15
101
FRONT VIEW OF MAIN CONTROL VALVE
5
31
MP1
P3
MJ
ART_1001263812_2OF4

SECTION 7 - HYDRAULIC





ART_1001263812_4OF4

FIGURE 7-14. STANDARD HYDRAULIC DIAGRAM (4WS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001263812	Ref	STANDARD HYDRAULIC DIAGRAM	B
1	2111616	2	Fitting, Straight ORFS/ORB	
2	2220238	1	Plug	
3	2220366	1	Fitting, 90 JIC/ORB	
4	2220371	7	Fitting, Straight JIC/ORB	
5	2220372	7	Fitting, Straight JIC/ORB	
6	2220373	3	Fitting, Straight JIC/ORB	
7	2220374	1	Fitting, Straight JIC/ORB	
8	2220375	1	Fitting, Straight JIC/ORB	
9	2220380	1	Fitting, Straight JIC/ORB	
10	2220415	3	Fitting, Straight JIC/ORB	
11	2220451	1	Fitting, Straight JIC/ORB	
12	2220466	1	Fitting, 90 JIC/ORB	
13	2220468	2	Fitting, Straight JIC/ORB	
14	2220472	1	Fitting, 90 JIC/ORB	
15	2220473	2	Fitting, 90 JIC/ORB	
16	2220502	1	Fitting, 45 JIC/ORB	
17	2220582	4	Fitting, Straight JIC/ORB	
18	2220603	5	Fitting, Straight JIC/ORB	
19	2220606	1	Fitting, Tee JIC/ORB/JIC	
20	2220618	1	Fitting, Straight JIC/FSJIC	
21	2220637	1	Fitting, 45 JIC/ORB	
22	2220726	1	Fitting, 90 JIC/ORB	
23	2220733	1	Fitting, Straight JIC/ORB	
24	2220738	1	Fitting, Tee JIC/ORB/JIC	
25	2220852	3	Fitting, Straight JIC/ORB	
26	2220865	2	Fitting, Straight JIC/ORB	
27	2220906	1	Fitting, 90 JIC/ORB	
28	2220947	4	Fitting, Straight JIC/ORB	
29	2220999	1	Fitting, Tee JIC/ORB/JIC	
30	2221048	1	Fitting, 90 JIC/ORB	
31	2221086	4	Fitting, Test	
32	80633030	2	Clamp	
33	1001119455	1	Valve, Oil Sampling	
34	1001192641	1	Hose	
35	1001192661	1	Hose	
36	1001192663	1	Hose	
37	1001192693	1	Pipe	
38	1001192694	1	Pipe	
39	1001192695	1	Hose	
40	1001192696	1	Hose	
41	1001192698	1	Hose	
42	1001192699	1	Hose	
43	1001193927	1	Hose	
44	1001193928	1	Hose	
45	1001193929	1	Hose	
46	1001193930	1	Hose	
47	1001193932	1	Hose 1/4IN X 136.5IN	
47	1001269096	1	Hose 1/4IN X 139.5IN	
48	1001193933	1	Hose 3/8IN X 140IN	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1001269097	1	Hose 3/8IN X 146IN	
49	1001194329	1	Hose	
50	1001194330	1	Hose	
51	1001201255	1	Pipe	
52	1001203424	1	Hose	
53	1001203426	1	Hose	
54	1001204645	1	Hose	
55	1001205824	2	Fitting, 90 Barb	
56	1001214408	1	Fitting, Tee JIC/ORB/JIC	
57	1001220903	1	Pipe	
58	1001220912	1	Hose	
59	1001221016	1	Hose	
60	1001222522	1	Hose	
100	1001250981	1	Hose Kit - Engine Side (Not Shown - Includes Items 101-108)	
101	1001247876	1	Hose	
102	1001247871	1	Hose	
103	1001247872	1	Hose	
104	1001247877	1	Hose	
105	1001247881	1	Hose	
106	1001247878	1	Hose	
107	1001247879	1	Hose	
108	1001247994	1	Hose	
200	1001250982	1	Hose Kit - Tank Side (Not Shown - Includes Items 201-208)	
201	1001247866	2	Hose	
202	1001247867	1	Hose	
203	1001247868	1	Hose	
204	1001247869	1	Hose	
205	1001247865	1	Hose	
206	1001247873	1	Hose	
207	1001247875	1	Hose	
208	1001247882	1	Hose	

FIGURE 7-15. TOW HYDRAULIC DIAGRAM

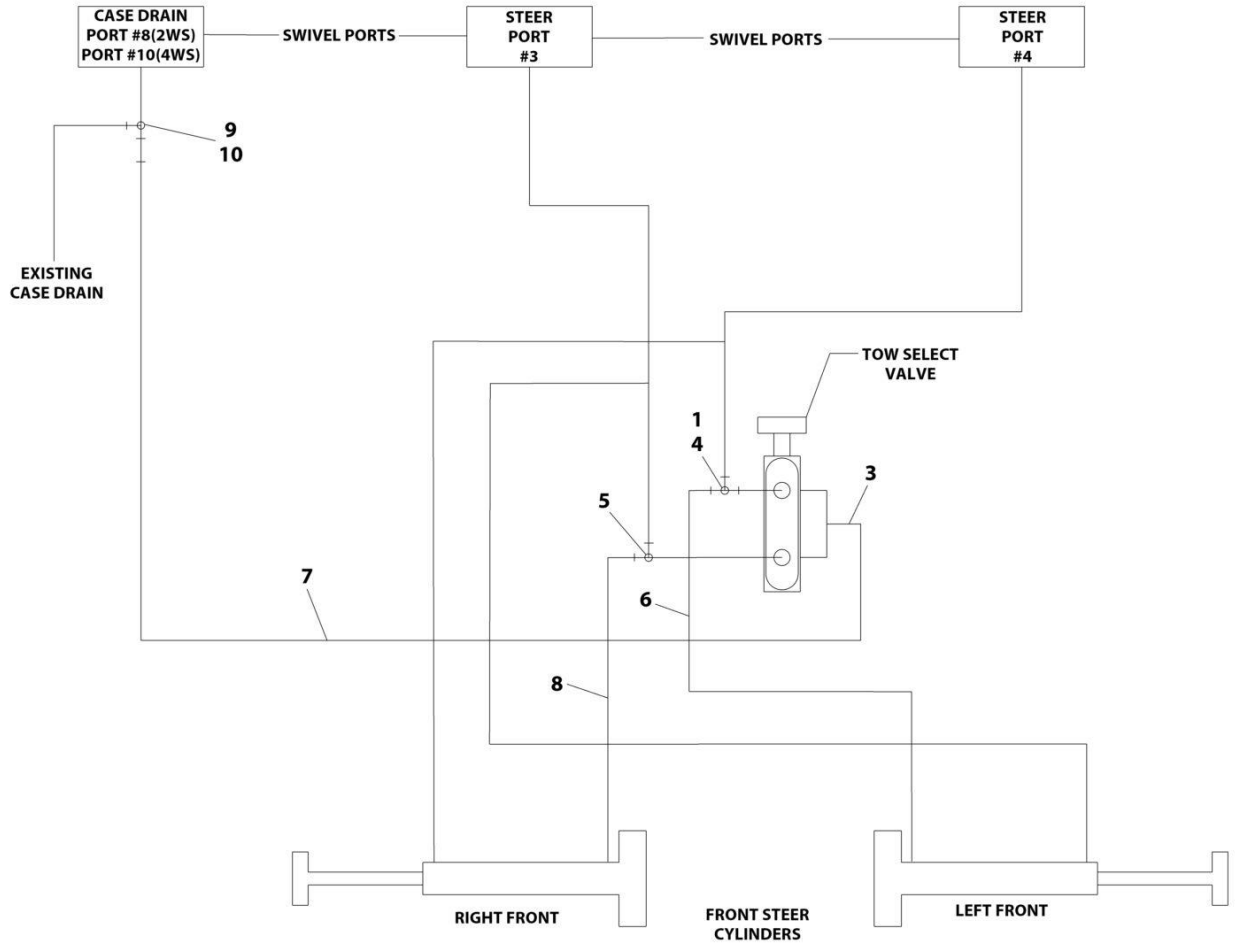
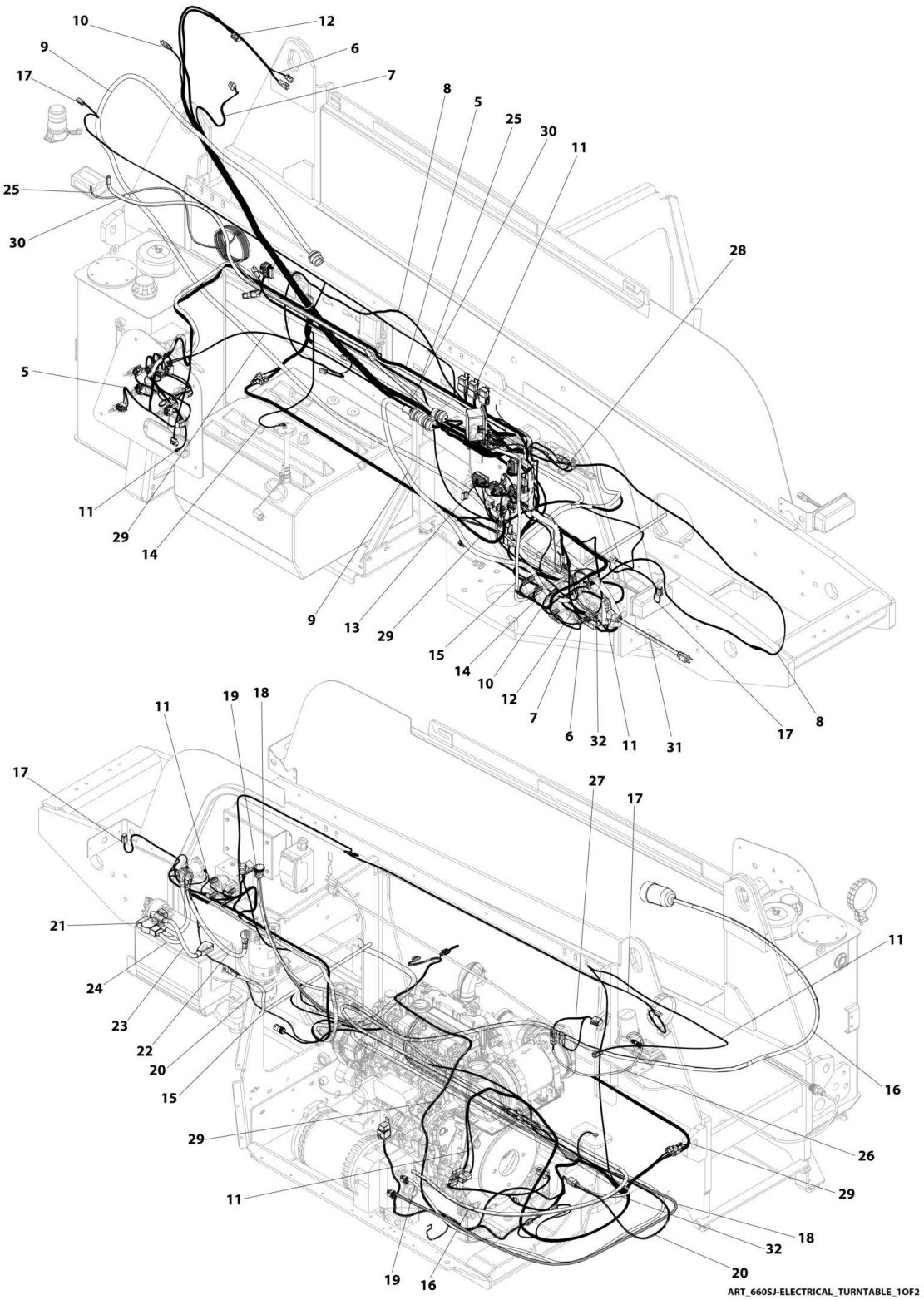


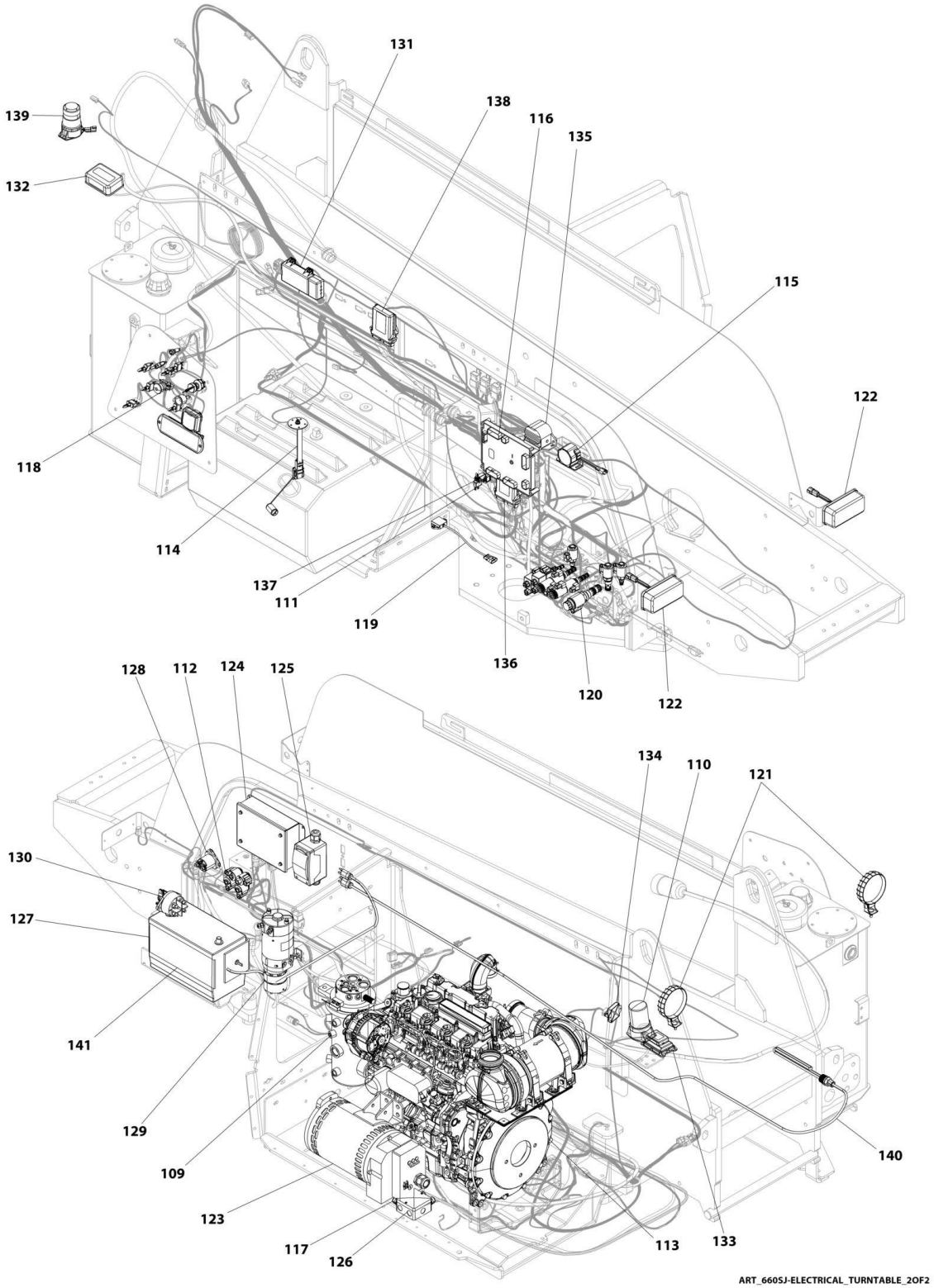
FIGURE 7-15. TOW HYDRAULIC DIAGRAM

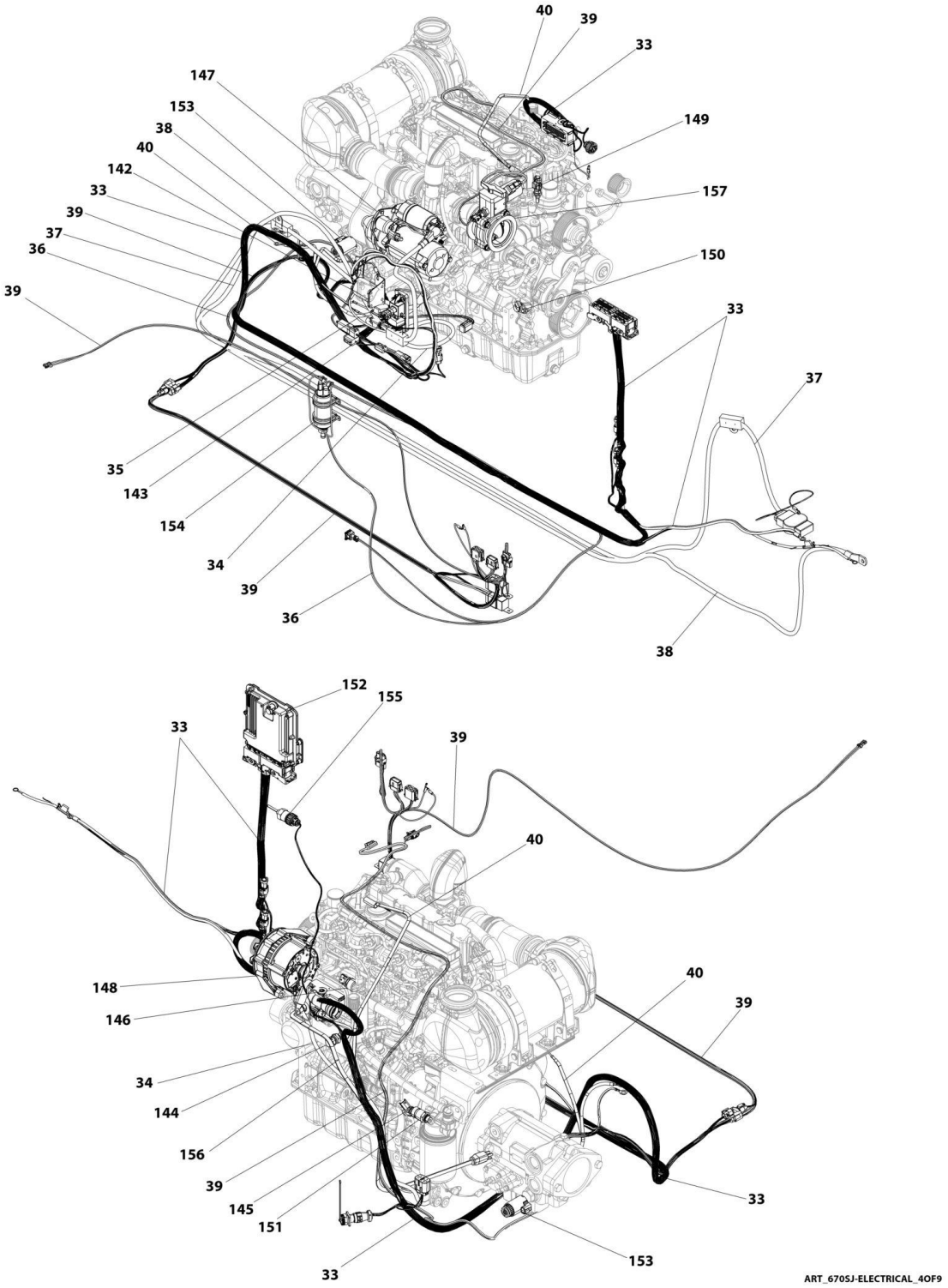
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001191956	Ref	TOW HYDRAULIC DIAGRAM	B
1	2220372	1	Fitting, Straight JIC/ORB	
3	2220628	1	Fitting, 90 JIC/ORB	
4	2220635	1	Fitting, Tee FM SW/JIC/JIC	
5	2221053	1	Fitting, Tee FM SW/JIC/JIC	
6	1001113790	1	Hose	
7	1001113818	1	Hose	
8	1001208964	1	Hose	
9	2220619	1	Fitting, Straight JIC/FS/JIC	
10	2220602	1	Fitting, Tee JIC/ORB/JIC	

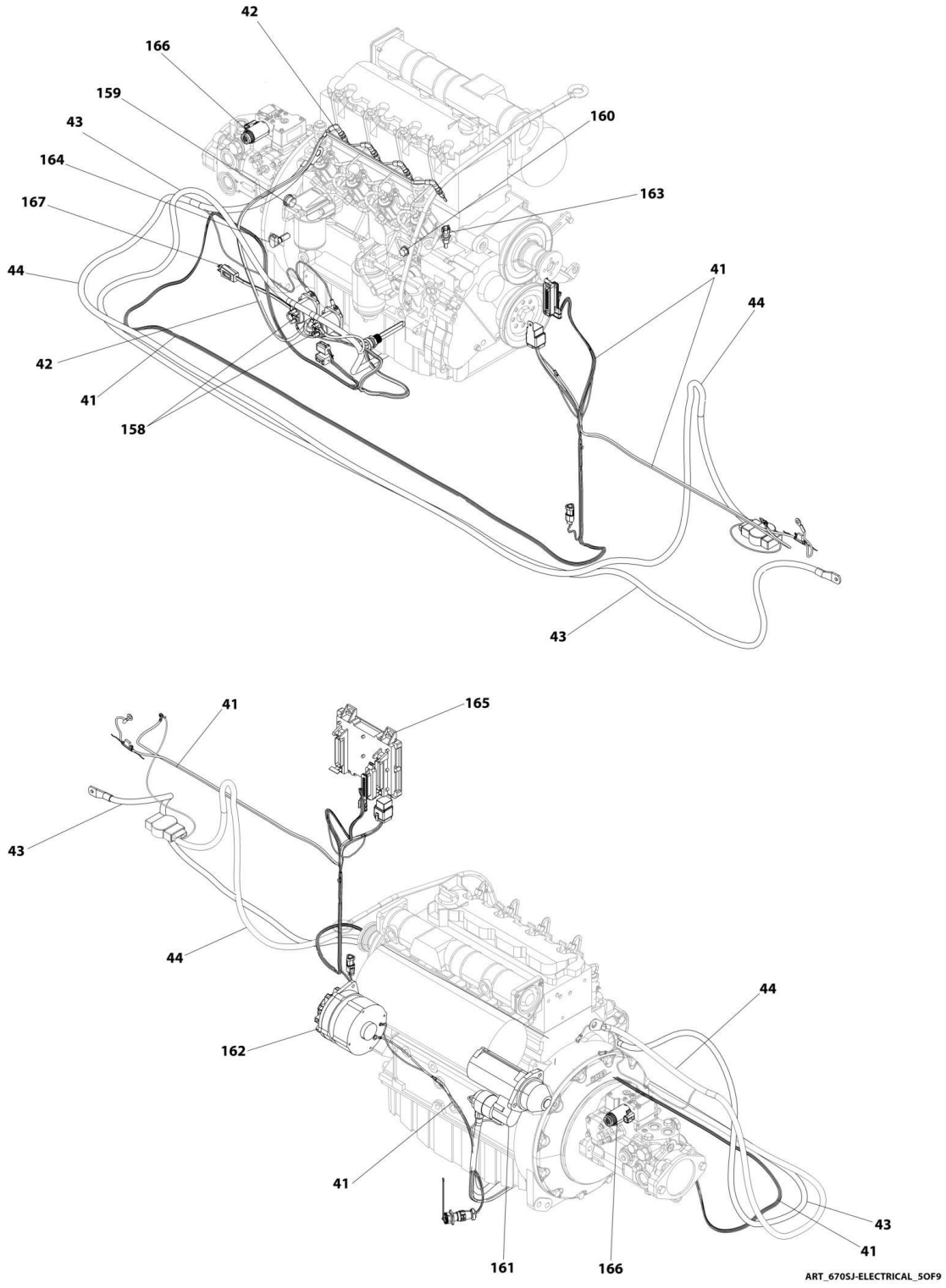
SECTION 8 - ELECTRICAL

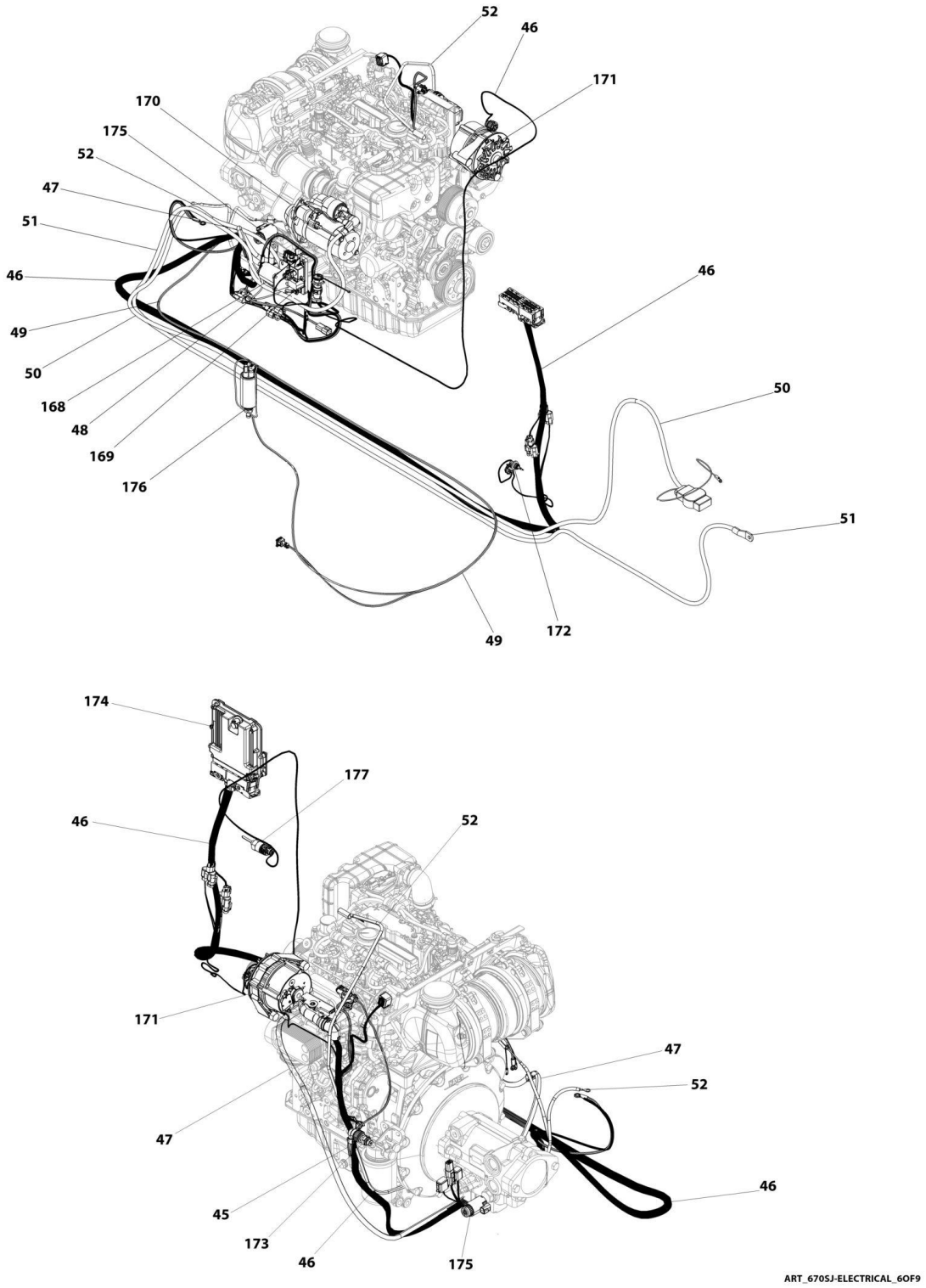
FIGURE 8-1. ELECTRICAL LAYOUT

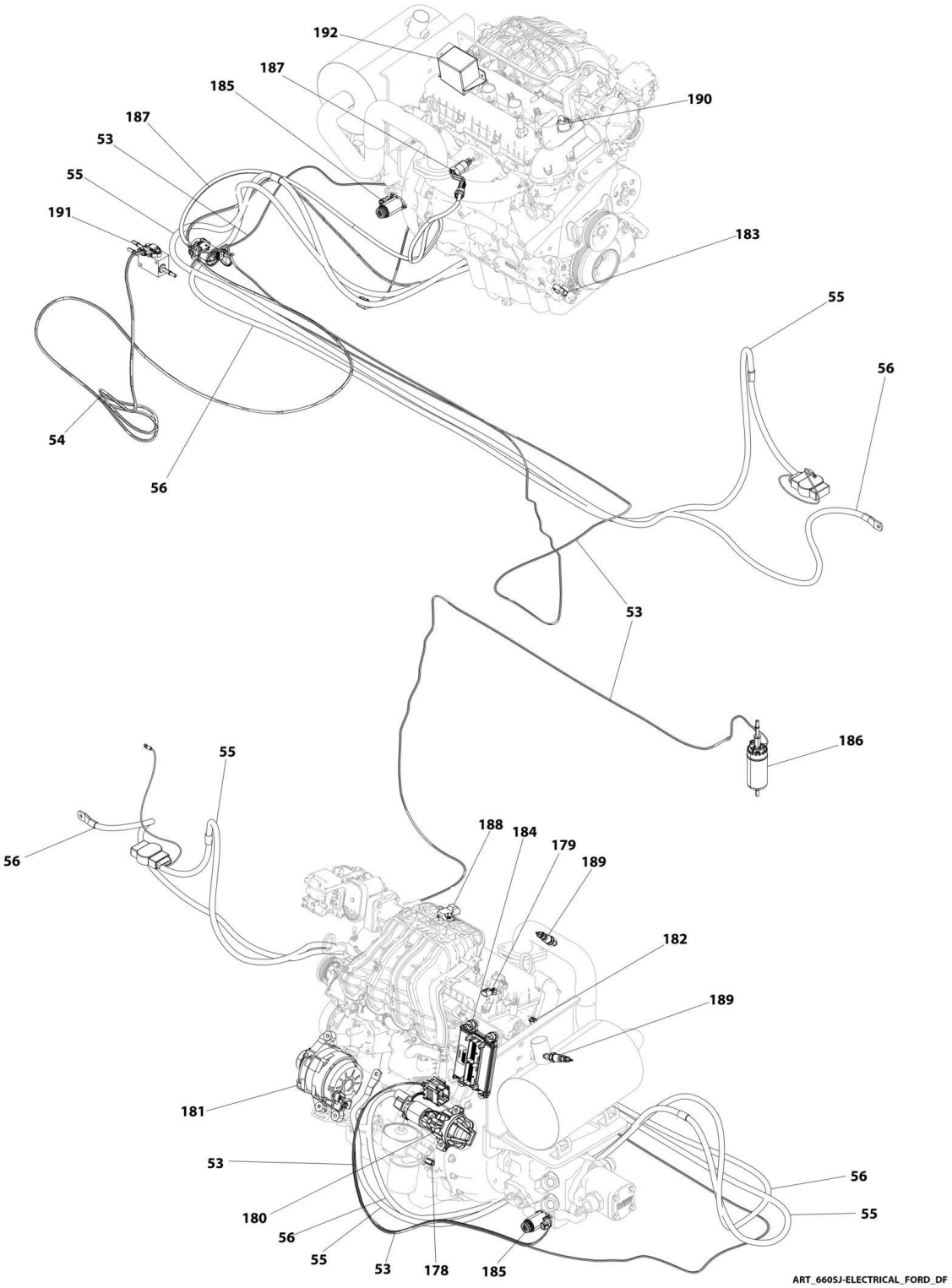



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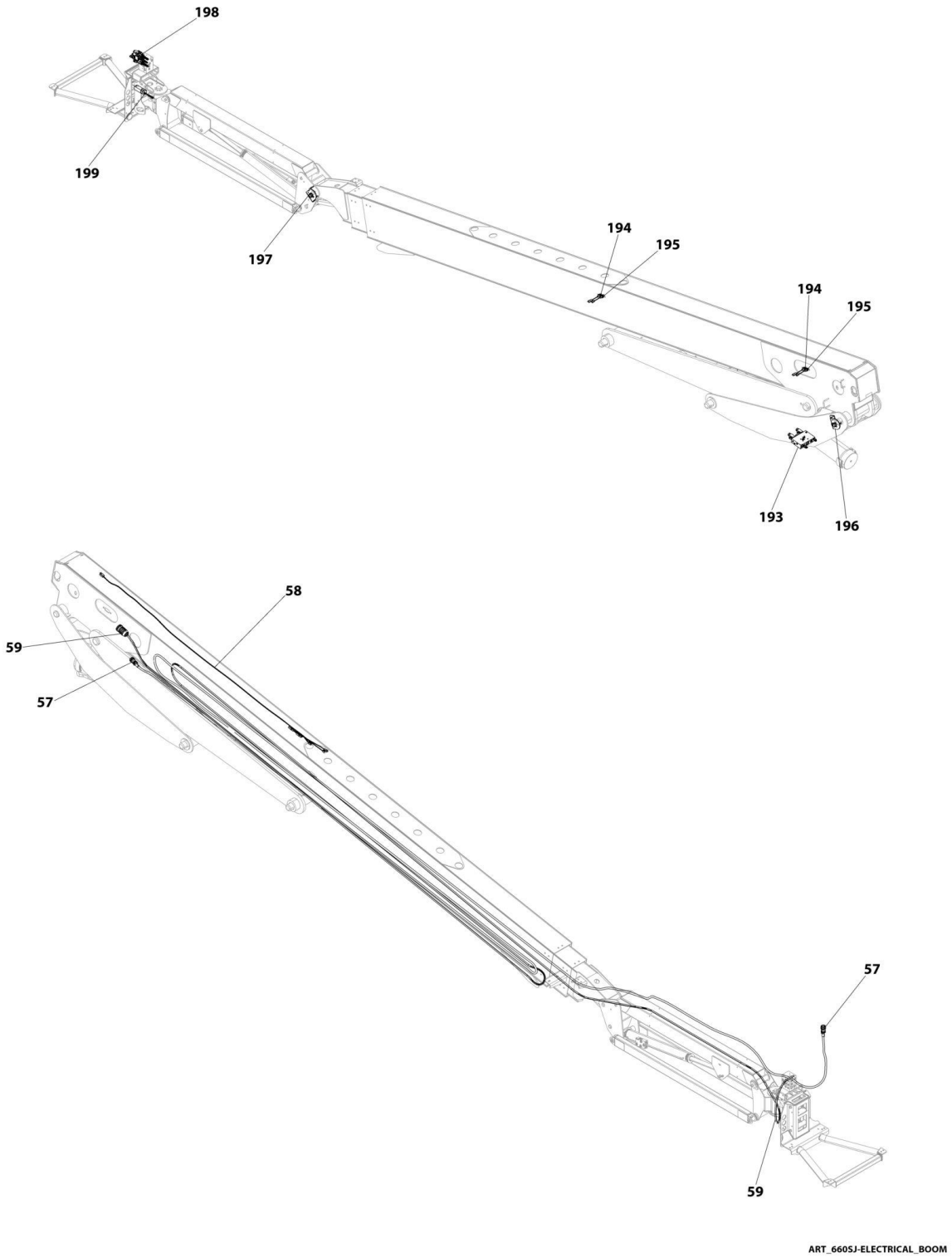

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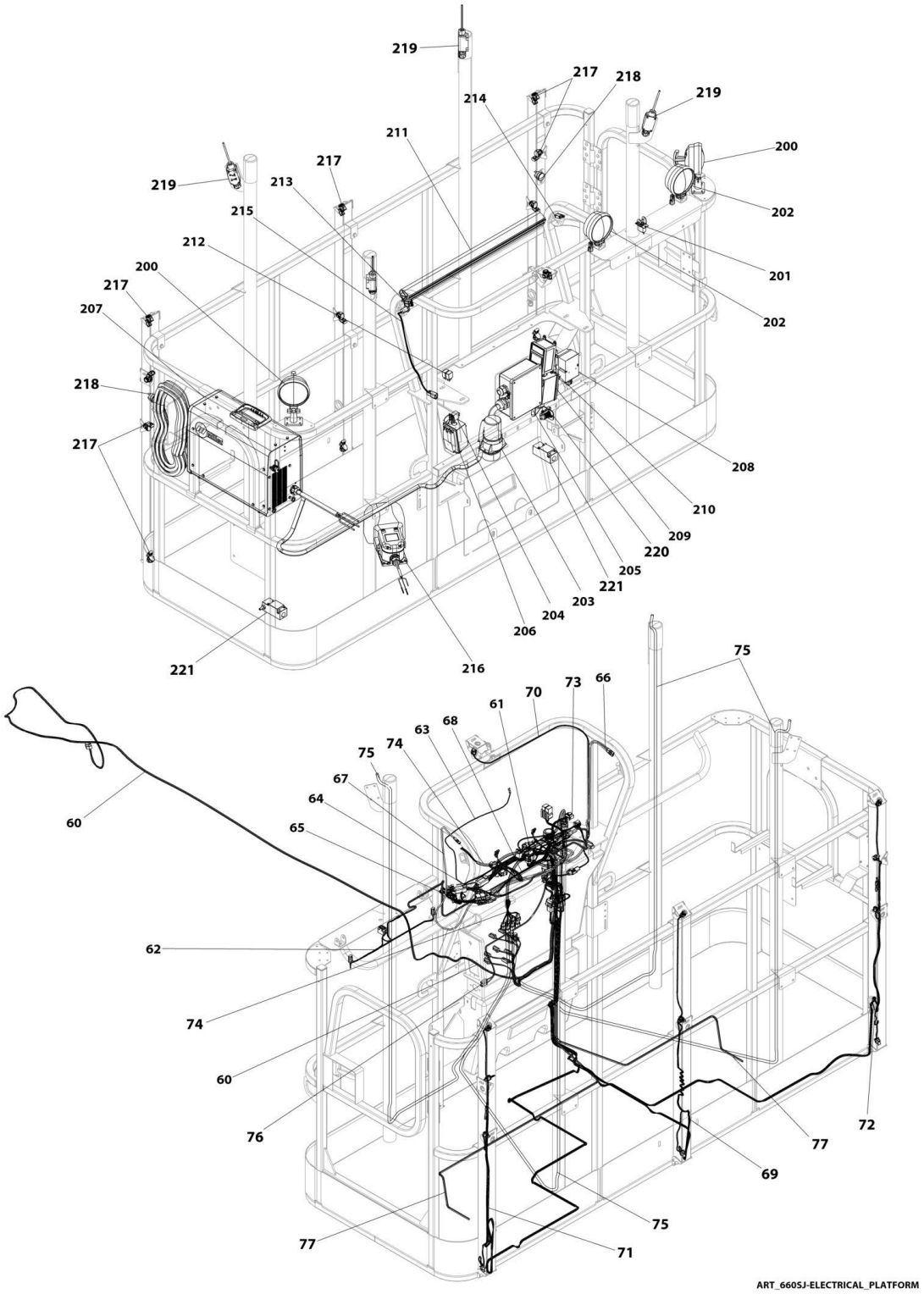

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ART_670SJ-ELECTRICAL_5OF9


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ART_670SJ-ELECTRICAL_6OF9

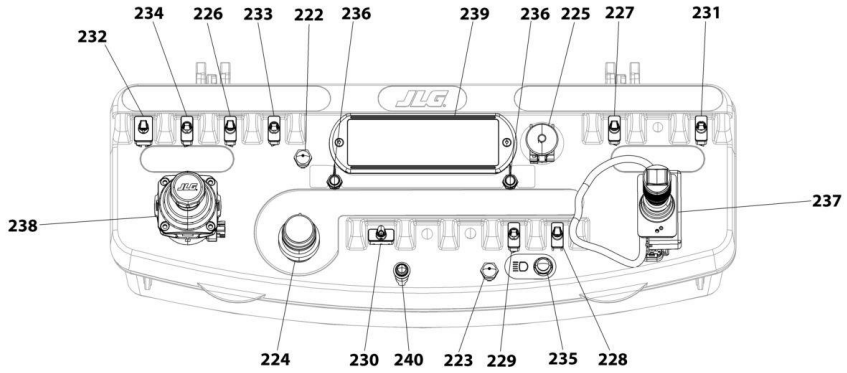

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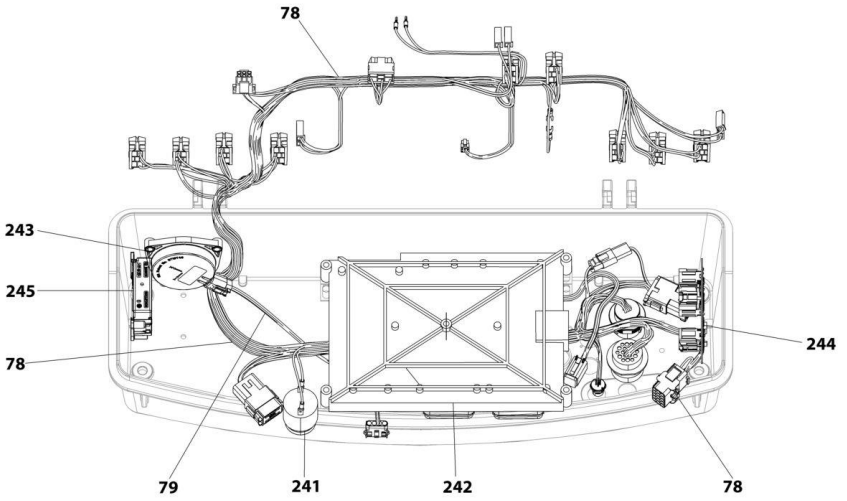
SECTION 8 - ELECTRICAL

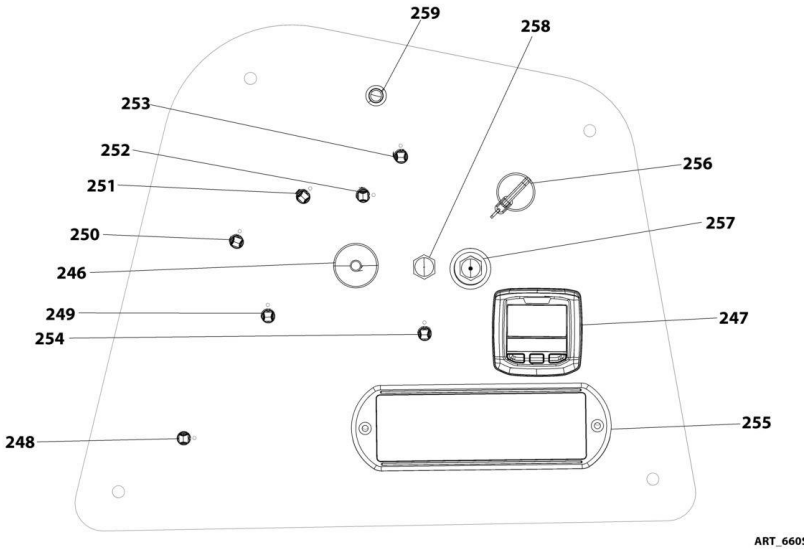



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ART_660SJ-ELECTRICAL_PLATFORM

SECTION 8 - ELECTRICAL







ART_660SJ-ELECTRICAL_CONTROLS

FIGURE 8-1. ELECTRICAL LAYOUT

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HARNESS LIST	
		Ref	Note: This figure is for part identification only.	
5		Ref	Harness, Ground Control	
6		Ref	Harness, Tele Retract	
7		Ref	Harness, Boom Angle Sensor	
8		Ref	Harness, Lift Cylinder	
9		Ref	Cable, Boom (Lower)	
10		Ref	Harness, Boom Cable Service	
11		Ref	Harness, Turntable	
12		Ref	Harness, Capacity (Lower)	
13		Ref	Harness, Cribbing	
14		Ref	Harness, Main Valve	
15		Ref	Harness, Ground Module	
16		Ref	Cable, AC Ground to Platform	
17		Ref	Harness, Head and Tail Light	
18		Ref	Harness, 7500W Generator	
19		Ref	Harness, 4000W Generator	
20		Ref	Harness, 2500W Generator	
21		Ref	Cable, Battery (+) to Aux Relay	
22		Ref	Cable, Aux Relay to Aux Pump	
23		Ref	Cable, Battery (+) to Disconnect	
24		Ref	Cable, Battery (-) to Disconnect	
25		Ref	Harness, Clearsky	
26		Ref	Harness, Telematics	
27		Ref	Harness, Xirgo Jumper	
28		Ref	Harness, White Noise Alarm	
29		Ref	Harness, ASOV	
30		Ref	Harness, Strobe Light Control	
31		Ref	3-Way Plug	
32		Ref	Cable, Extension	
33		Ref	Harness, Engine	
34		Ref	Harness, Alternator Power	
35		Ref	Harness, Glow Plug Fuse	
36		Ref	Harness, Fuel Pump	
37		Ref	Cable, Battery (-) to Aux Pump to Ground	
38		Ref	Cable, Battery (+) to Relay to Starter	
39		Ref	Harness, ASOV	
40		Ref	Breather Tube Heater	
41		Ref	Harness, Engine	
42		Ref	Harness, Glow Plug Fuse	
43		Ref	Cable, Battery (+) to Relay to Starter	
44		Ref	Cable, Battery (-) to Aux Pump to Ground	
45		Ref	Harness, Fuel Filter	
46		Ref	Harness, Engine	
47		Ref	Harness, Alternator Power	
48		Ref	Harness, Glow Plug Fuse	
49		Ref	Harness, Fuel Pump	
50		Ref	Cable, Battery (-) to Aux Pump to Ground	
51		Ref	Cable, Battery (+) to Relay to Starter	
52		Ref	Breather Tube Heater	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53		Ref	Harness, Engine	
54		Ref	Harness, Fuel Pump	
55		Ref	Cable, Battery (-) to Aux Pump to Ground	
56		Ref	Cable, Battery (+) to Relay to Starter	
57		Ref	Cable, Boom (Upper)	
58		Ref	Harness, Capacity (Upper)	
59		Ref	Cable, AC Ground to Platform	
60		Ref	Harness, Platform Valve	
61		Ref	Harness, Platform Work Light	
62		Ref	Harness, Platform Flood Light	
63		Ref	Harness, Platform Strobe Light	
64		Ref	Harness, SkyGuard	
65		Ref	Harness, SkyEye Intermediate	
66		Ref	Harness, SkyEye Receiver	
67		Ref	Harness, SkyEye Emitter	
68		Ref	Harness, SkyLine	
69		Ref	Harness, SkySense Mid Tube	
70		Ref	Harness SkySense Overhead Sensor	
71		Ref	Harness, SkySense Left Tube	
72		Ref	Harness, SkySense Right Tube	
73		Ref	Harness, SkySense Main	
74		Ref	Harness, Soft Touch Overhead	
75		Ref	Cable, Soft Touch Overhead	
76		Ref	Harness, USB	
77		Ref	Cable, Soft Touch	
78		Ref	Harness, Platform Console	
79		Ref	Harness, Tilt Sensor	
		Ref	COMPONENT LIST	
109		Ref	Rotary Coupling	
110		Ref	Light, Strobe (Amber)	
111		Ref	Switch, Cribbing	
112		Ref	Solenoids, Axle Valve	
113		Ref	Engine	
114		Ref	Sensor, Fuel Level	
115		Ref	Alarm	
116		Ref	Module, Ground Control	
117		Ref	LIght, Generator	
118		Ref	Ground Control Panel	
119		Ref	Sensor, Tilt	
120		Ref	Solenoids, Main Control Valve	
121		Ref	Headlight	
122		Ref	Taillight	
123		Ref	Generator	
124		Ref	Box, Generator Control	
125		Ref	AC Breaker Box	
126		Ref	Generator Junction Box	
127		Ref	Battery	
128		Ref	Relay	
129		Ref	Auxiliary Pump/Motor	
130		Ref	Switch, Battery Disconnect	
131		Ref	Module, ClearSky Telematics CANBUS	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
132		Ref	Antenna, ClearSky Telematics	
133		Ref	Module, ClearSky Telematics 3-Wire	
134		Ref	Voltage Regulator, ClearSky Telematics	
135		Ref	Alarm, White Noise	
136		Ref	Module, ASOV Control	
137		Ref	Switch, ASOV	
138		Ref	Module, Strobe Control	
139		Ref	Light, Strobe	
140		Ref	Heater, Immersion	
141		Ref	Heater, Battery	
142		Ref	Contactor	
143		Ref	Relay	
144		Ref	Sensor, Oil Pressure	
145		Ref	Sensor, Speed	
146		Ref	Sensor, Fuel Rail Pressure	
147		Ref	Starter	
148		Ref	Alternator	
149		Ref	Engine Coolant Temperature Sensor	
150		Ref	Sensor, Speed	
151		Ref	Sensor, Fuel Pressure	
152		Ref	Module, Engine Control	
153		Ref	Solenoids, Piston Pump	
154		Ref	Fuel Pump	
155		Ref	Sensor, Coolant Level	
156		Ref	Heater, Engine Block	
157		Ref	Air Shut Off Valve (ASOV)	
158		Ref	Relay	
159		Ref	Sensor, Temperature	
160		Ref	Sensor, Oil Pressure	
161		Ref	Starter	
162		Ref	Alternator	
163		Ref	Engine Coolant Temperature Sensor	
164		Ref	Sensor, Speed	
165		Ref	Module, Engine Control	
166		Ref	Solenoids, Gear Pump	
167		Ref	Heater, Engine Block	
168		Ref	Contactor	
169		Ref	Relay	
170		Ref	Starter	
171		Ref	Alternator	
172		Ref	Sensor, Ambient Air Temperature	
173		Ref	Sensor, Fuel Pressure	
174		Ref	Module, Engine Control	
175		Ref	Solenoids, Variable Pump	
176		Ref	Fuel Pump	
177		Ref	Sensor, Coolant Level	
178		Ref	Sensor, Oil Pressure	
179		Ref	Sensor, Speed	
180		Ref	Starter	
181		Ref	Alternator	
182		Ref	Engine Coolant Temperature Sensor	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
183		Ref	Sensor, Speed	
184		Ref	Module, Engine Control	
185		Ref	Solenoids, Piston Pump	
186		Ref	Fuel Pump	
187		Ref	Heater, Engine Block	
188		Ref	Sensor, TMAP	
189		Ref	Sensor, O2	
190		Ref	Solenoid, Timing	
191		Ref	Fuel Block	
192		Ref	Fuse Box	
193		Ref	Solenoid, Lift Cylinder	
194		Ref	Sensor, Proximity	
195		Ref	Sensor, Proximity	
196		Ref	Sensor, Lower Angle	
197		Ref	Sensor, Upper Angle	
198		Ref	Solenoids, Platform Valve	
199		Ref	Cell, Load Sensing	
200		Ref	Platform Work Light	
201		Ref	Switch, Platform Flood Light	
202		Ref	Platform Flood Light	
203		Ref	Light, Platform Strobe	
204		Ref	Switch, Generator	
205		Ref	Junction Box	
206		Ref	AC Receptacle	
207		Ref	Welding Machine	
208		Ref	AC Receptacle	
209		Ref	AC Receptacle	
210		Ref	AC Receptacle/Breaker Box	
211		Ref	Switch, SkyGuard	
212		Ref	Relay	
213		Ref	Sensor, SkyEye Receiver	
214		Ref	Sensor, SkyEye Emitter	
215		Ref	Sensor, SkyLine Proximity	
216		Ref	Footswitch	
217		Ref	Sensor, SkySense	
218		Ref	Alarm	
219		Ref	Switch, Soft Touch	
220		Ref	USB Receptacle	
221		Ref	Switch, Soft Touch Limit	
222		Ref	Switch, Horn	
223		Ref	Switch, Soft Touch/SkyGuard/SkySense Override	
224		Ref	Switch, Function Speed Control	
225		Ref	Switch, Power/Emergency Stop	
226		Ref	Switch, Platform Leveling Override	
227		Ref	Switch, Start/Auxilliary Power	
228		Ref	Switch, Boom Telescope	
229		Ref	Switch, Jib Up/Down	
230		Ref	Switch, Platform Rotate	
231		Ref	Switch, Drive Orientation Override	
232		Ref	Switch, Drive Speed/ Torque Select	
233		Ref	Switch, Fuel Select	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
234		Ref	Switch, Steer Select	
235		Ref	Switch, Lights	
236		Ref	Light, SkySense Indicator	
237		Ref	Controller, Drive/Steer	
238		Ref	Controller, Main Lift/Swing	
239		Ref	Display, Platform	
240		Ref	Light, Soft Touch/SkyGuard/SkySense Indicator	
241		Ref	Alarm	
242		Ref	Module, Platform	
243		Ref	Sensor, Tilt	
244		Ref	Module, SkySense Control	
245		Ref	Module, SkySense Sensor	
246		Ref	Switch, Emergency Stop	
247		Ref	Display, Ground	
248		Ref	Switch, Turntable Swing	
249		Ref	Switch, Boom Lift	
250		Ref	Switch, Boom Telescope	
251		Ref	Switch, Jib Up/Down	
252		Ref	Switch, Platform Rotate	
253		Ref	Switch, Platform Leveling Override	
254		Ref	Switch, Engine Start/ Auxiliary Power	
255		Ref	Indicator Panel	
256		Ref	Switch, Key	
257		Ref	Switch, Machine Safety System Override (MSSO)	
258		Ref	Switch, Diesel Particulate Filter (DPF)	
259		Ref	Light, ASOV	

FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

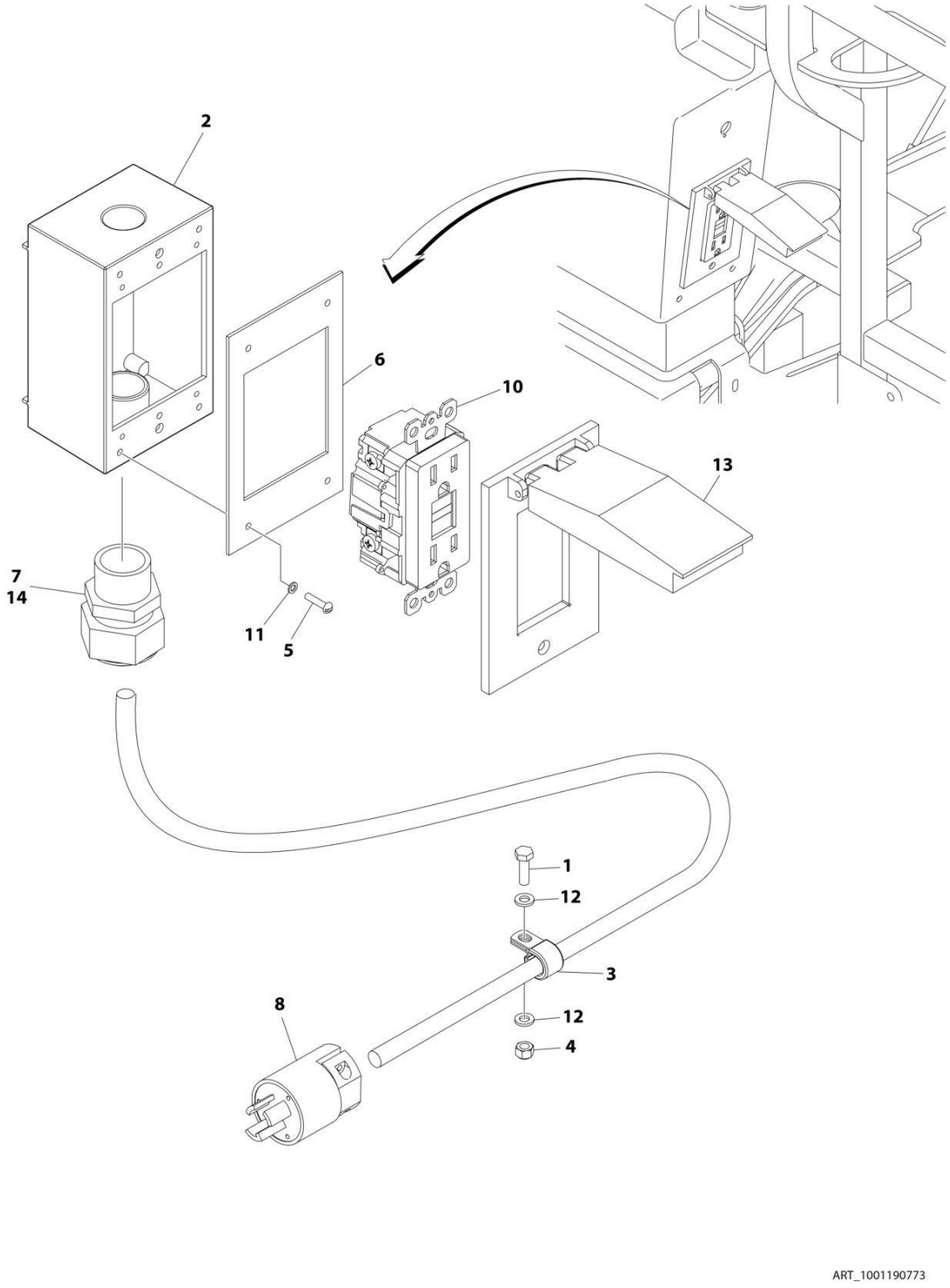


FIGURE 8-2. AC BOX AT PLATFORM INSTALLATION - 110V (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190773	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0760610	1	Bolt M6 x 20	
2	0860038	1	Box, Switch	
3	1320041	1	Clamp	
4	3290605	1	Nut M6	
5	3910610	4	Screw #6 x 5/8	
6	3960422	1	Gasket	
7	4460071	1	Connector, Strain Relief	
8	4460205	1	Plug, Male	
9	4460315	1	Terminal, Spade (Not Shown)	
10	4460346	1	Receptacle	
11	4760600	4	Washer #6	
12	4811700	2	Washer M6	
13	1001110873	1	Shield, Cover	
14	0100079	AR	Sealant	

FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

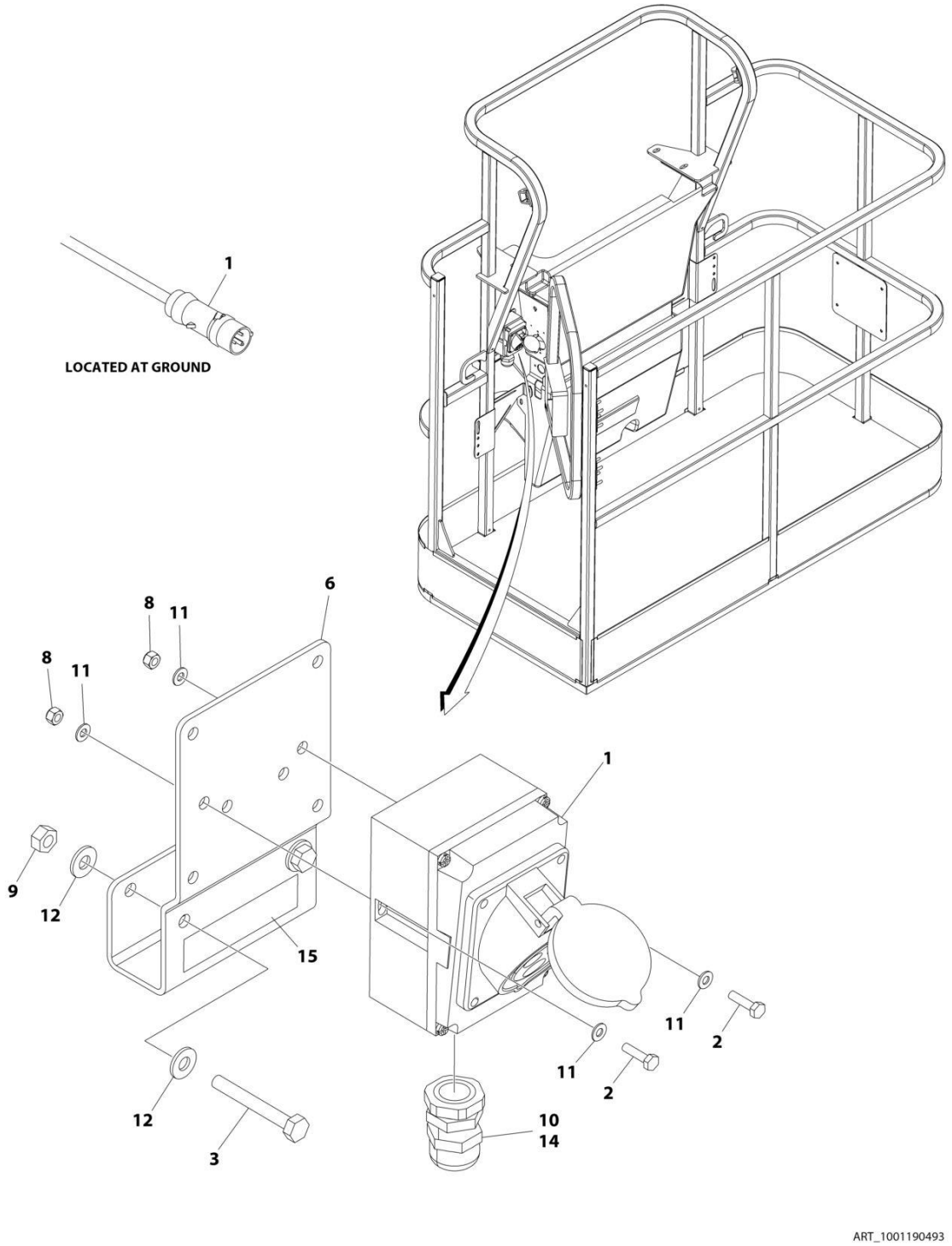


FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190493	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275216	1	Receptacle Box Kit - 110V IEC Yellow (See Separate Breakdown in this Section)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	2	Nut M4	
9	3290605	2	Nut M6	
10	4460968	1	Connector, Strain Relief	
11	4811400	4	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	1705325	1	Decal - 110V	

FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

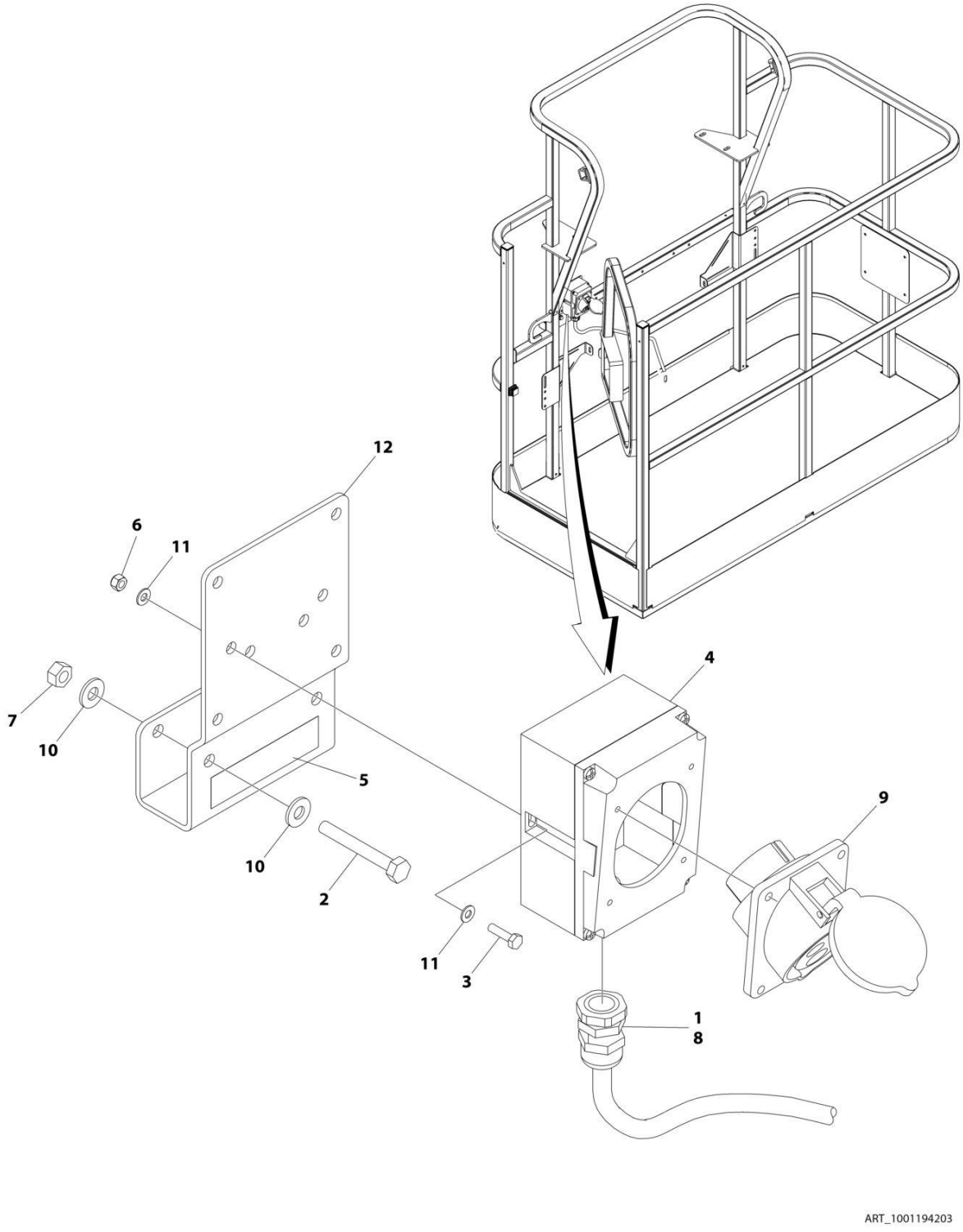


FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194203	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	1705325	1	Decal - 110V	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461198	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

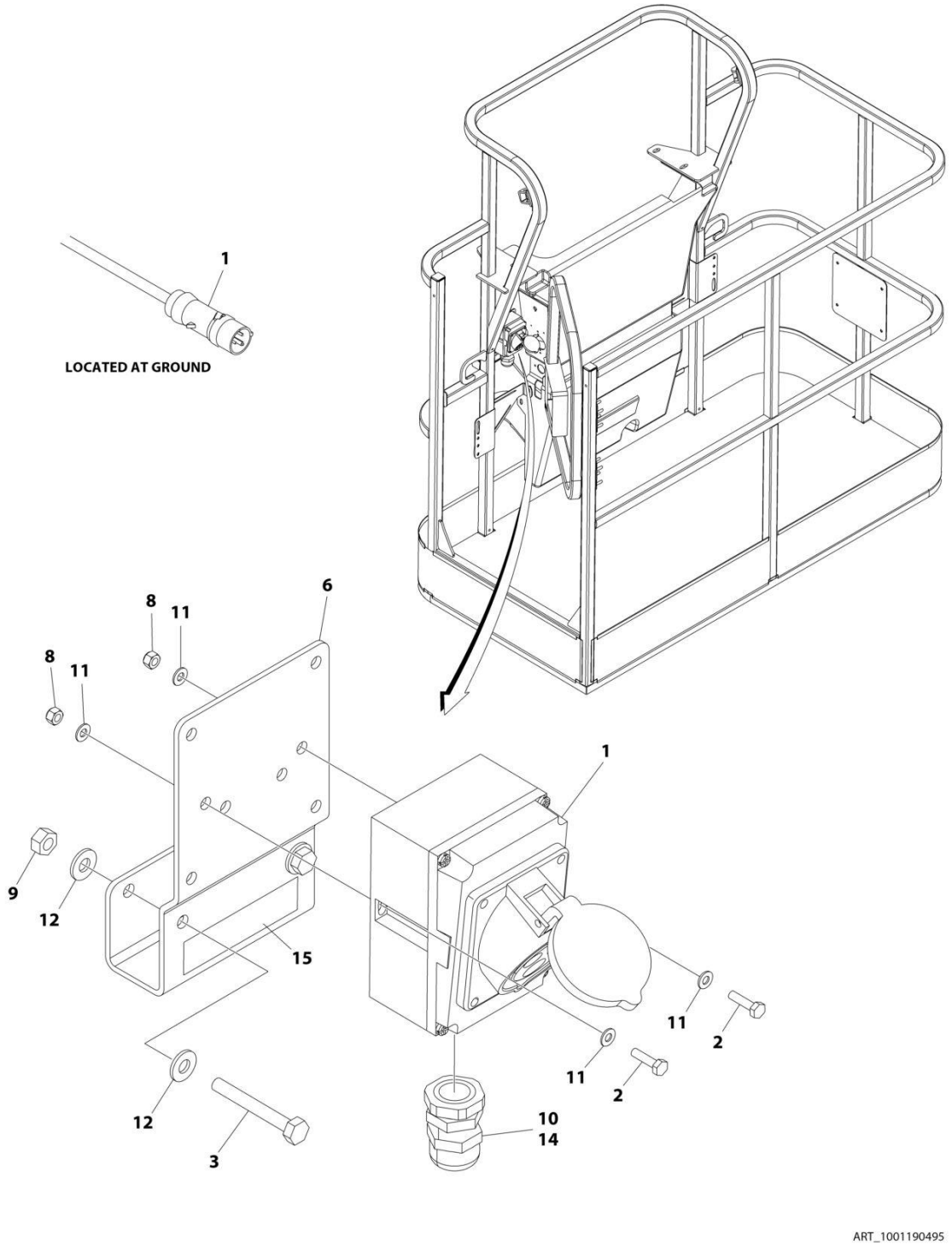


FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190495	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275217	1	Receptacle Box Kit - 220V IEC Blue (See Separate Breakdown in this Section)	
2	0700408	2	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	2	Nut M4	
9	3290605	2	Nut M6	
10	4460968	1	Connector, Strain Relief	
11	4811400	4	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

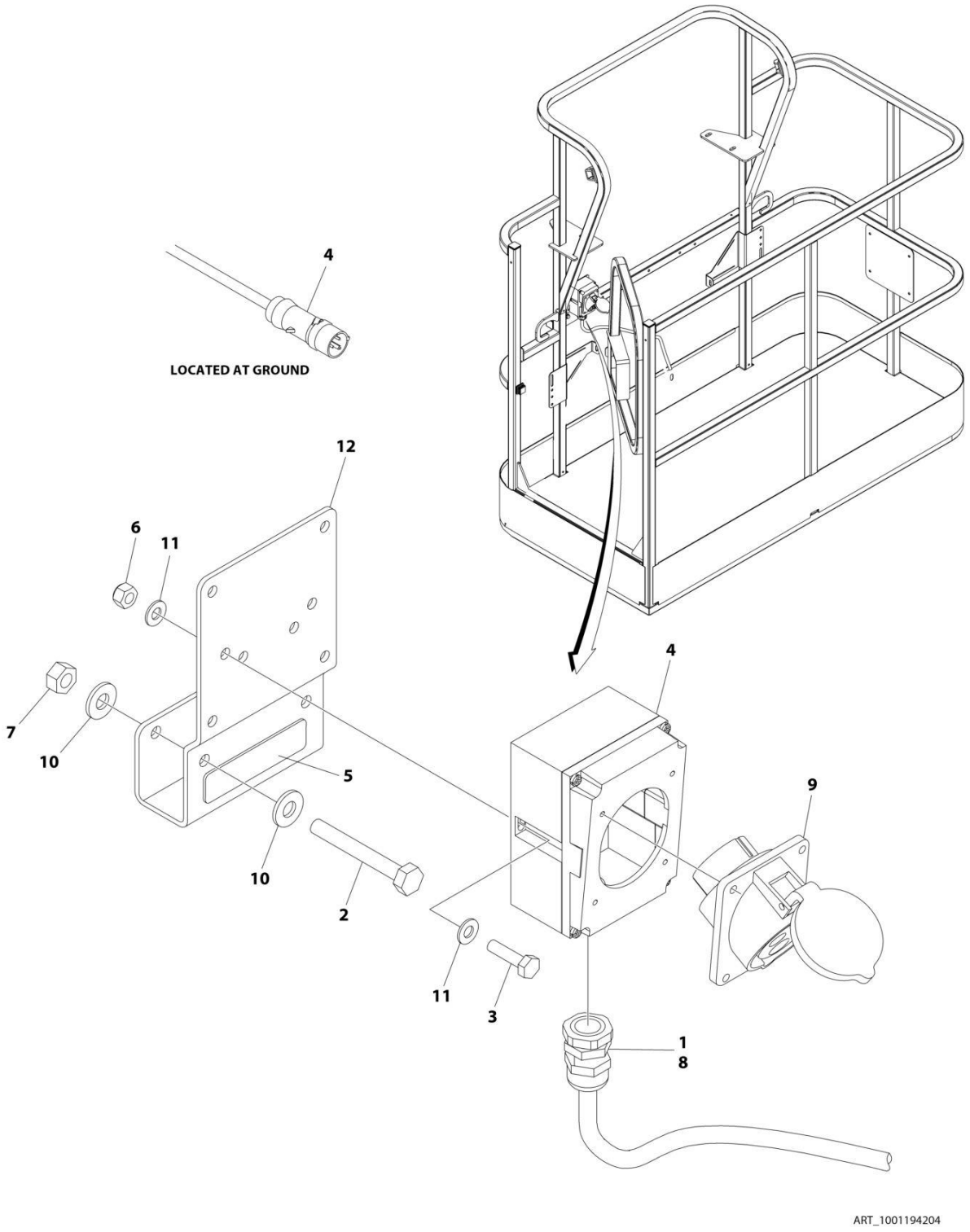


FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194204	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	2	Bolt M4 x 16	
4	0861781	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	2	Nut M4	
7	3311405	2	Nut 1/4	
8	4460968	1	Connector, Strain Relief	
9	4461201	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	4	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

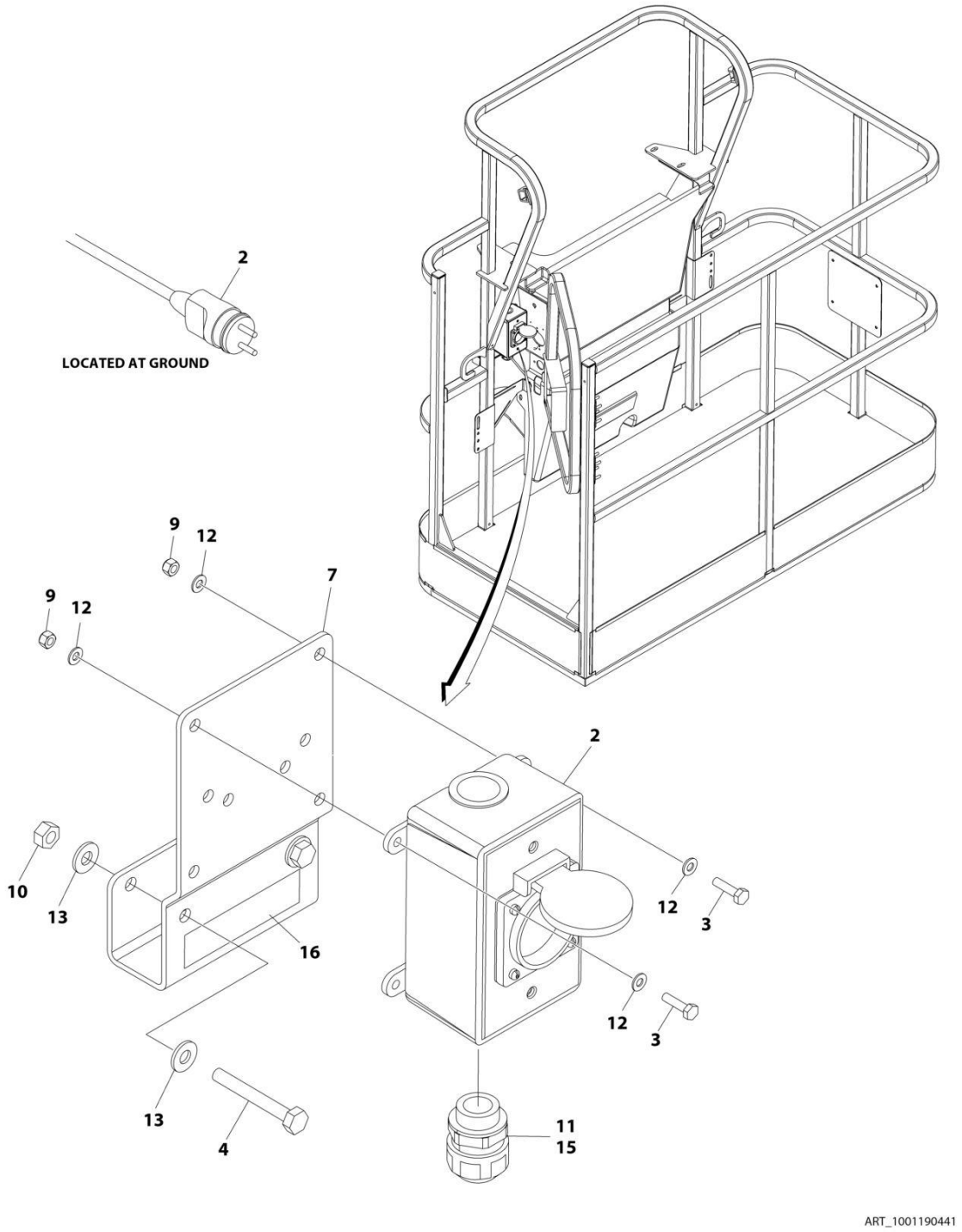


FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190441	Ref	AC BOX AT PLATFORM INSTALLATION	D
2	0275452	1	Receptacle Box Kit - 220V CEE7 Post Ground 2in x 4in (See Separate Breakdown in this Section)	
3	0700408	4	Bolt M4 x 16	
4	0700618	2	Bolt M6 x 50	
7	1001193018	1	Bracket	
9	3290405	4	Nut M4	
10	3290605	2	Nut M6	
11	4460662	1	Connector, Strain Relief	
12	4811400	8	Washer M4	
13	4811700	4	Washer M6	
15	0100079	AR	Sealant	
16	3252507	1	Decal - 220 Volt	

FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

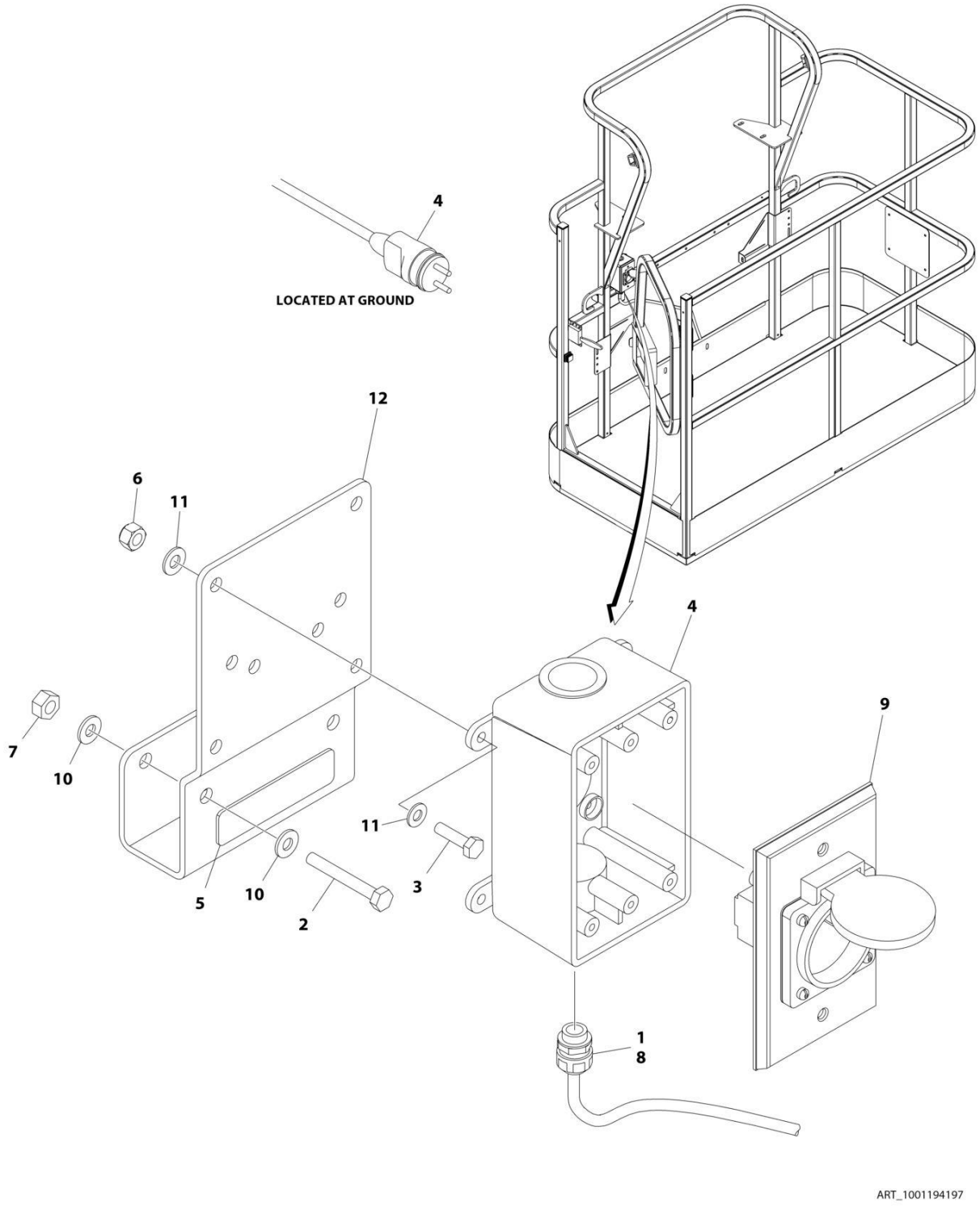


FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN POST GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194197	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461244	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

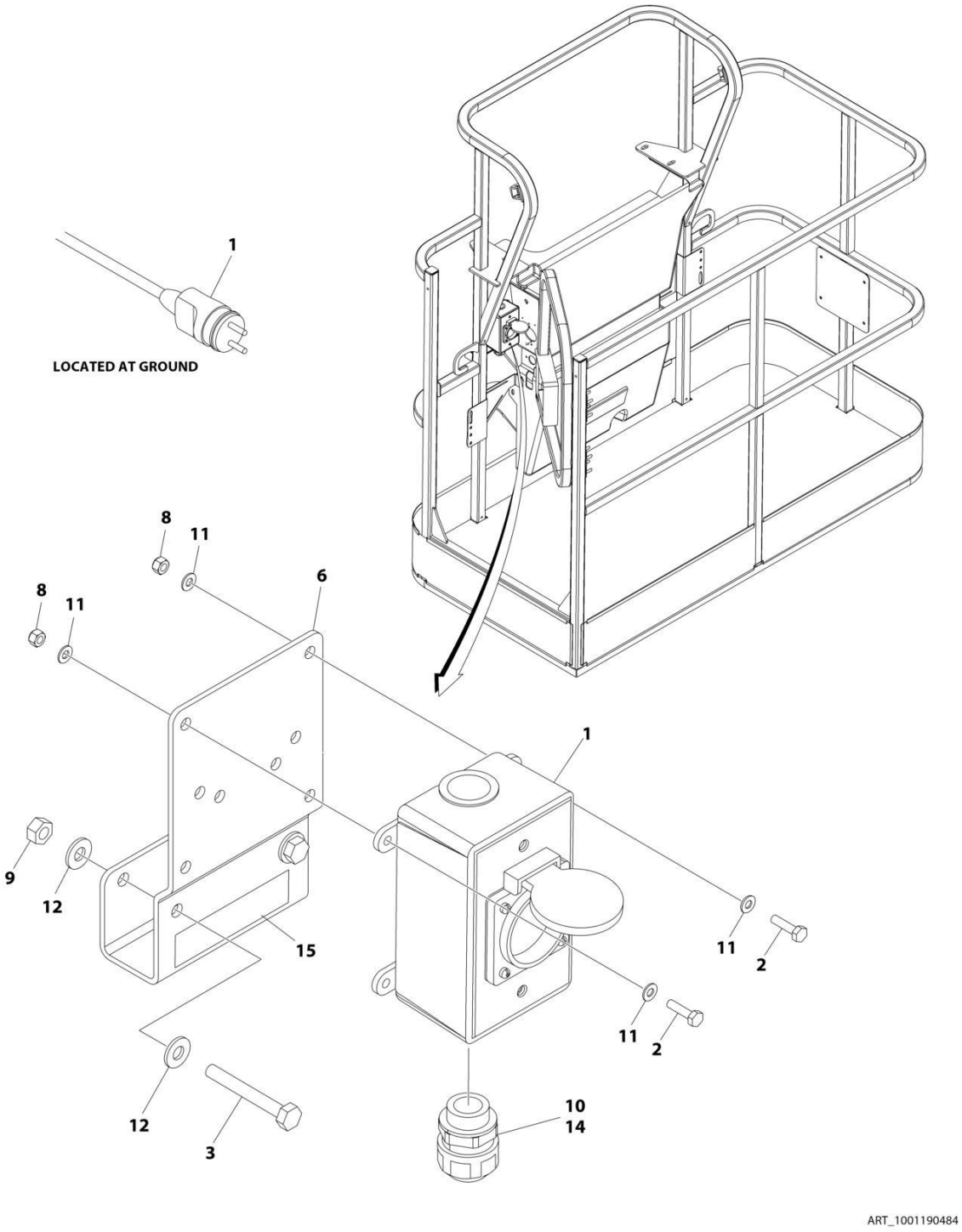


FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190484	Ref	AC BOX AT PLATFORM INSTALLATION	D
1	0275453	1	Receptacle Box Kit - 220V CEE7 Side Ground 2in x 4in (See Separate Breakdown in this Section)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	4	Nut M4	
9	3290605	2	Nut M6	
10	4460662	1	Connector, Strain Relief	
11	4811400	8	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

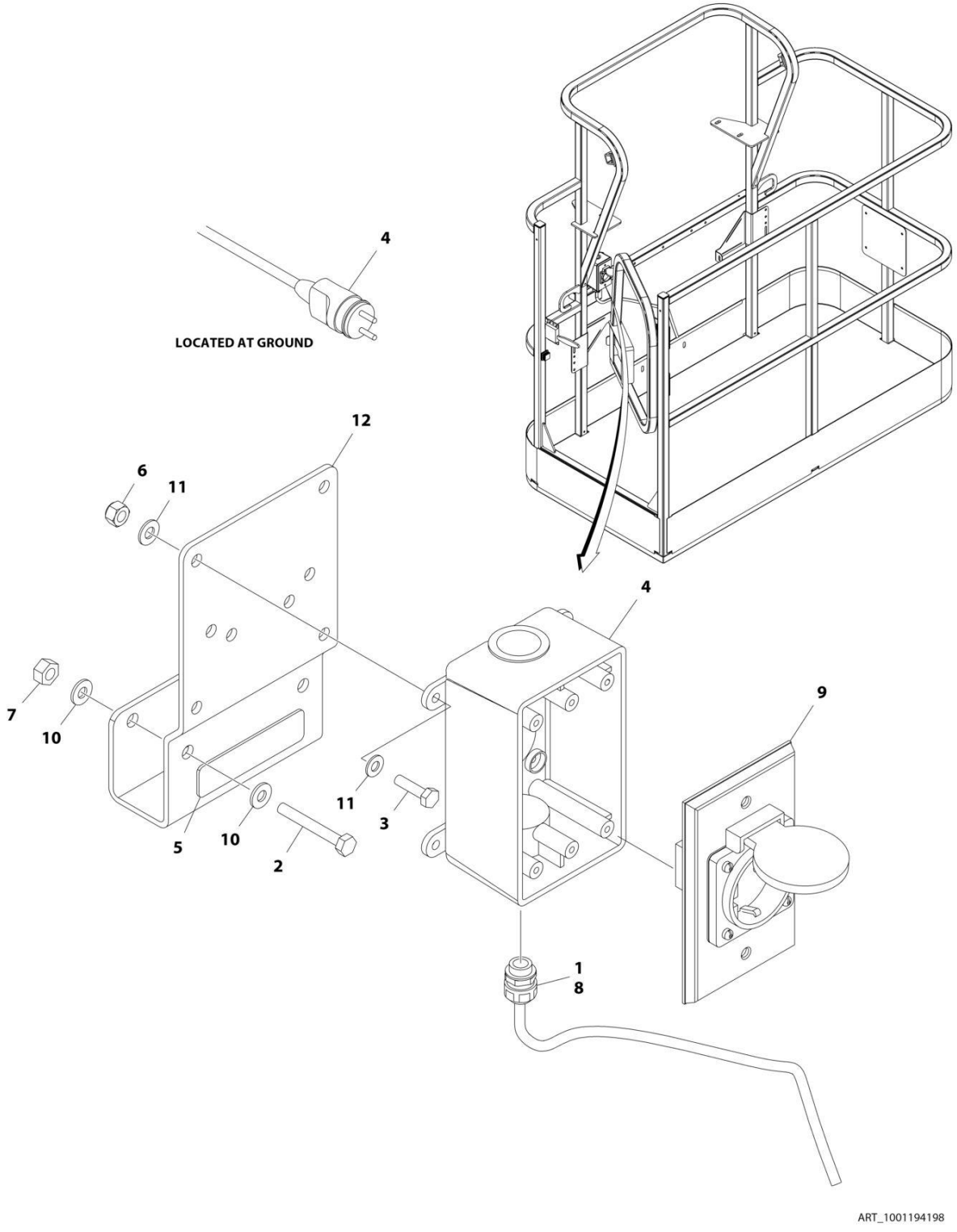


FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2IN X 4IN SIDE GROUND (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194198	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461245	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	4460806	2	Terminal, Fork (Not Shown)	
14	1001205958	1	Terminal (Not Shown)	

FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

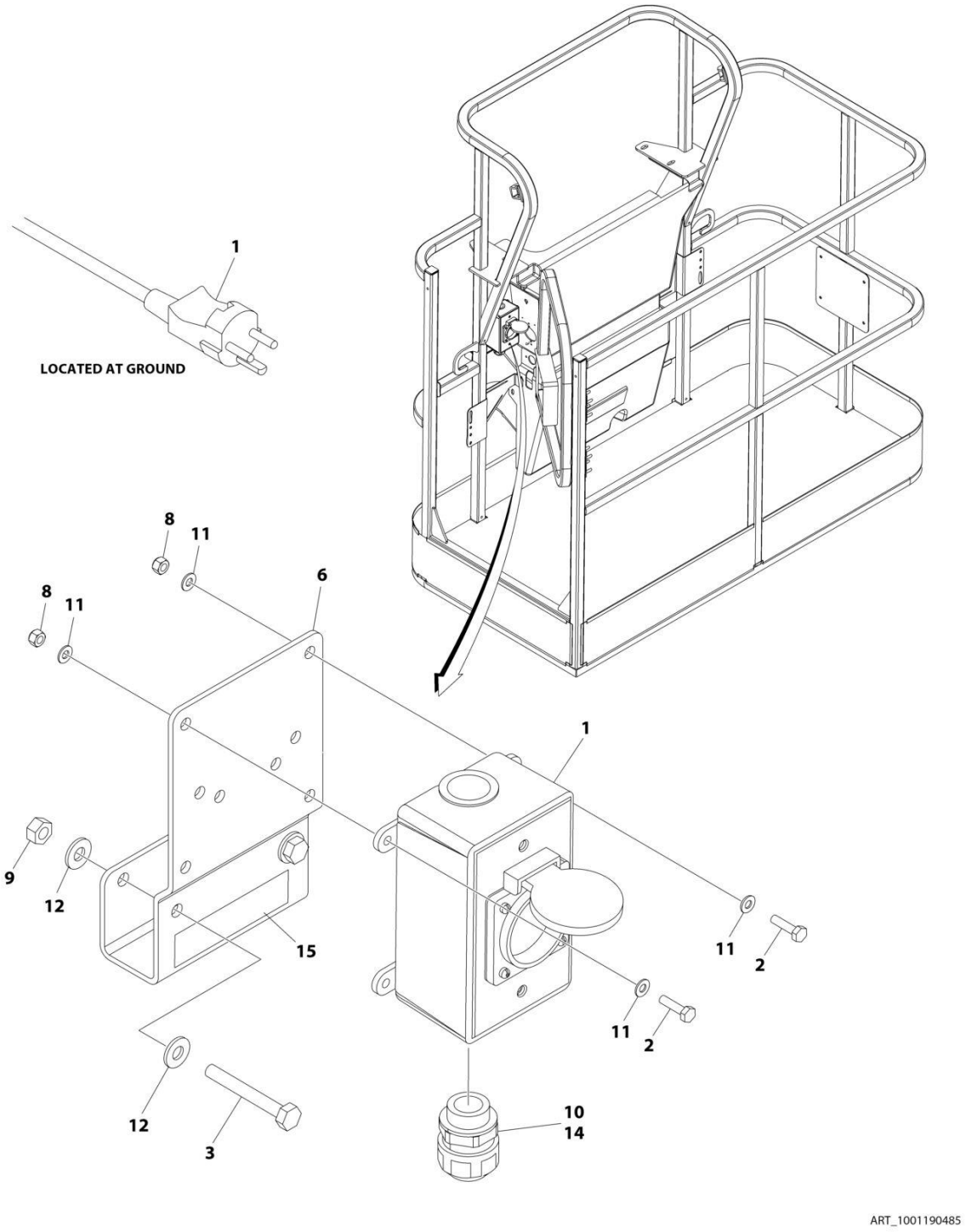


FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190485	Ref	AC BOX AT PLATFORM INSTALLATION	C
1	0275454	1	Receptacle Box Kit - 220V AFSINT107 (See Separate Breakdown in this Section)	
2	0700408	4	Bolt M4 x 16	
3	0700618	2	Bolt M6 x 50	
6	1001193018	1	Bracket	
8	3290405	4	Nut M4	
9	3290605	2	Nut M6	
10	4460662	1	Connector, Strain Relief	
11	4811400	8	Washer M4	
12	4811700	4	Washer M6	
14	0100079	AR	Sealant	
15	3252507	1	Decal - 220 Volt	

FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

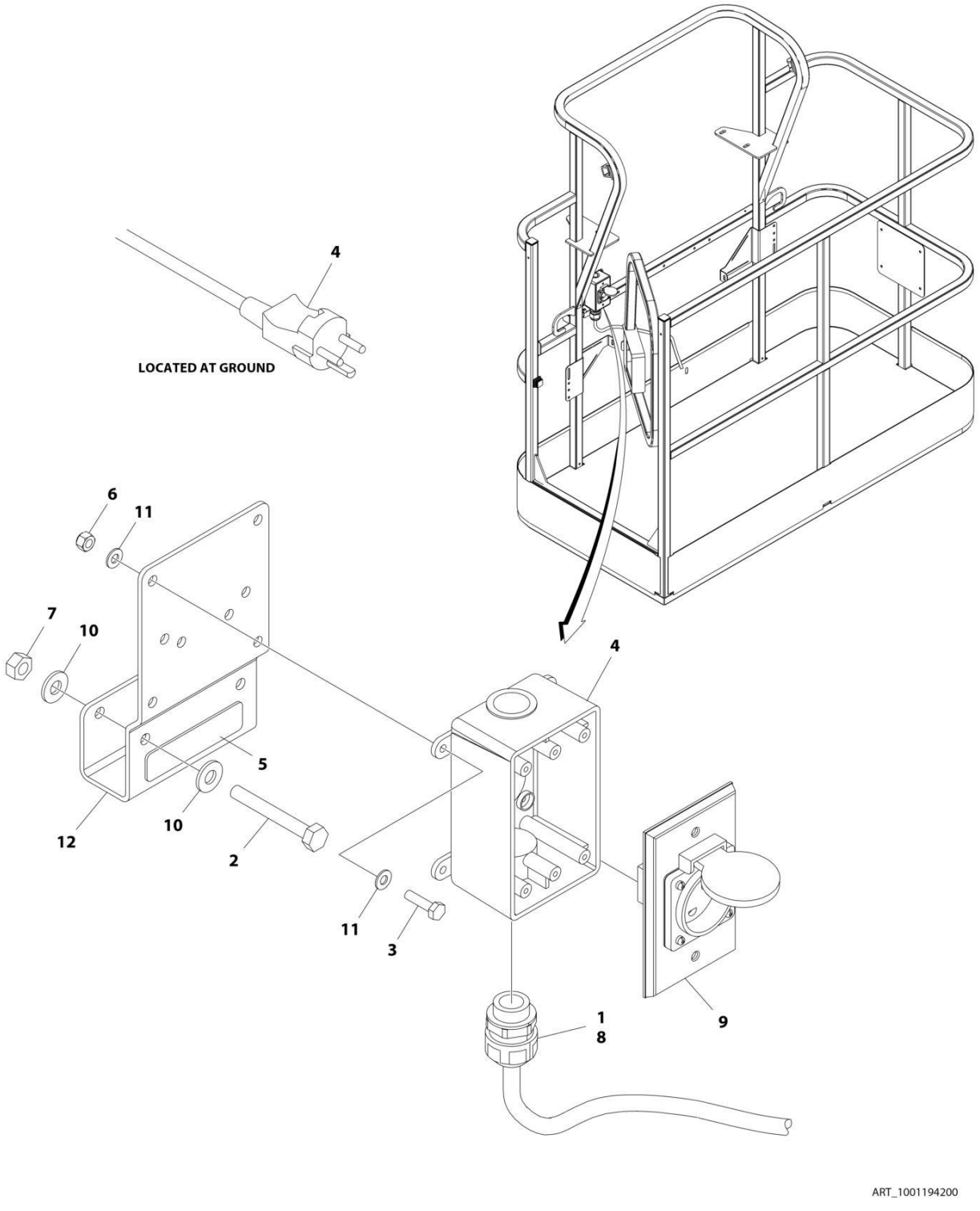


FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT107 (CE & UK CA SPECS WITH 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194200	Ref	AC BOX AT PLATFORM INSTALLATION	B
1	0100020	AR	Sealant, Pipe	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	3251242	1	Decal - 240V/50Hz	
6	3290405	4	Nut M4	
7	3311405	2	Nut 1/4	
8	4460662	1	Connector, Strain Relief	
9	4461246	1	Receptacle	
10	4711400	4	Washer 1/4	
11	4811400	8	Washer M4	
12	1001193018	1	Bracket, AC Receptacle	
13	1001205958	1	Terminal (Not Shown)	

FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS)

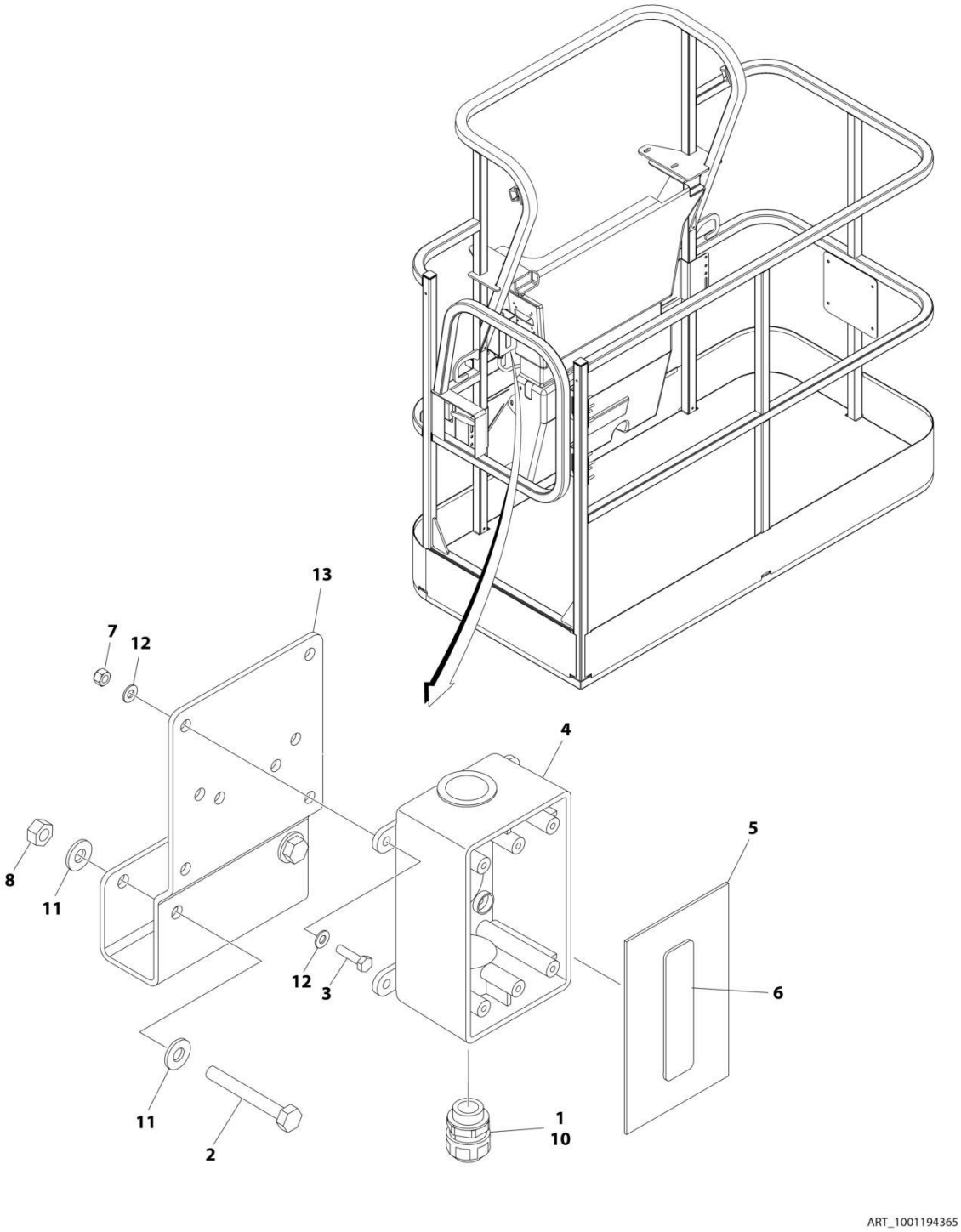


FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CUSTOMER SUPPLIED COMPONENTS (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194365	Ref	AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX)	A
1	0100020	AR	Sealant	
2	0641416	2	Bolt 1/4 x 2	
3	0700408	4	Bolt M4 x 16	
4	0861731	1	Box, Switch	
5	1670603	1	Cover	
6	3251242	1	Decal - 240V/50Hz	
7	3290405	4	Nut M4	
8	3311405	2	Nut 1/4	
9	4460384	3	Terminal (Not Shown)	
10	4460662	1	Connector, Strain Relief	
11	4711400	4	Washer 1/4	
12	4811400	8	Washer M4	
13	1001193018	1	Bracket, AC Receptacle	

FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

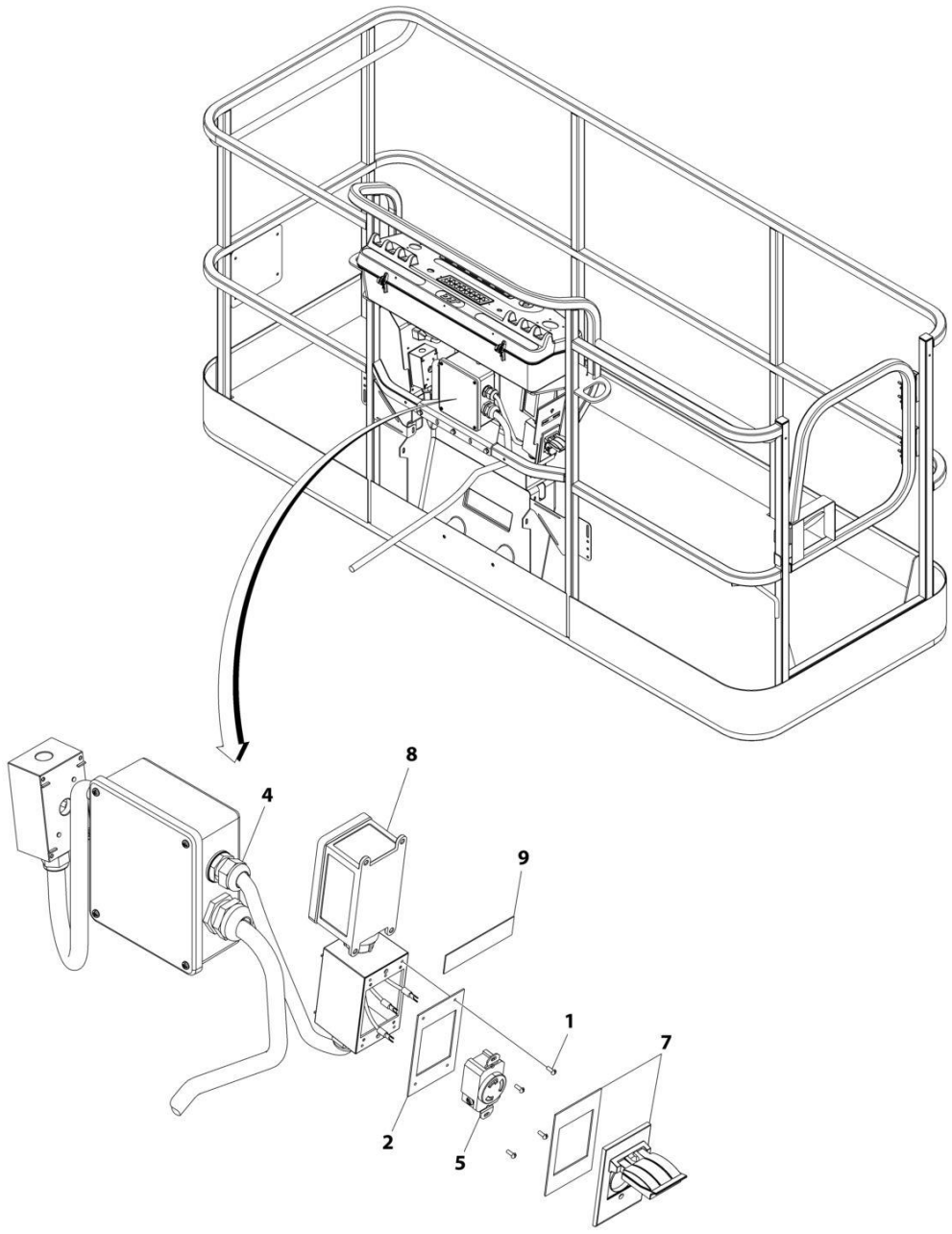


FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001171131	Ref	AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE	B
1	3910606	4	Screw 6 x 3/8	
2	3960422	1	Gasket	
3	4240018	AR	Tie-Strap (Not Shown)	
4	4460425	1	Connector, Strain Relief	
5	1001176862	1	Receptacle	
7	1001110872	1	Cover, Receptacle	
8	1001159120	1	Receptacle/Breaker Box Assembly	
8	1001148675	1	Box, Receptacle	
8	1001159118	1	Breaker GFCI 30Amp 240VAC	
8	4460612	1	Connector, Strain Relief	
8	1001159119	1	Connector (Between Boxes)	
9	1705374	1	Decal - 240V/60Hz	

FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

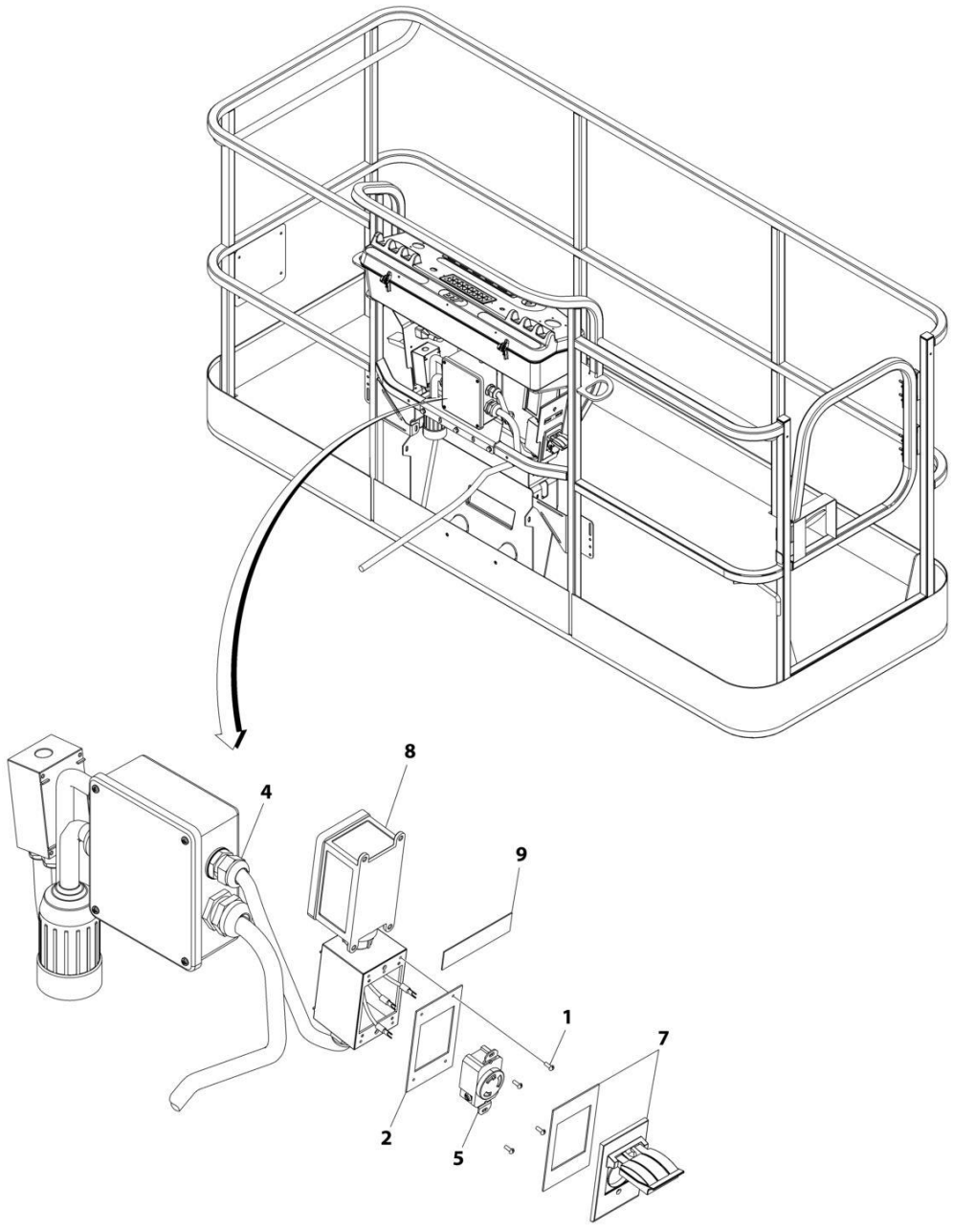


FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001159121	Ref	AC BOX AT PLATFORM INSTALLATION - 240V RECEPTACLE	B
1	3910606	4	Screw 6 x 3/8	
2	3960422	1	Gasket	
3	4240018	AR	Tie-Strap (Not Shown)	
4	4460425	1	Connector, Strain Relief	
5	4460958	1	Receptacle	
7	1001110872	1	Cover, Receptacle	
8	1001159120	1	Receptacle/Breaker Box Assembly	
8	1001148675	1	Box, Receptacle	
8	1001159118	1	Breaker Box Assembly	
8	4460612	1	Connector, Strain Relief	
8	1001159119	1	Connector (Between Boxes)	
9	1705374	1	Decal - 240V/60Hz	

FIGURE 8-16. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER

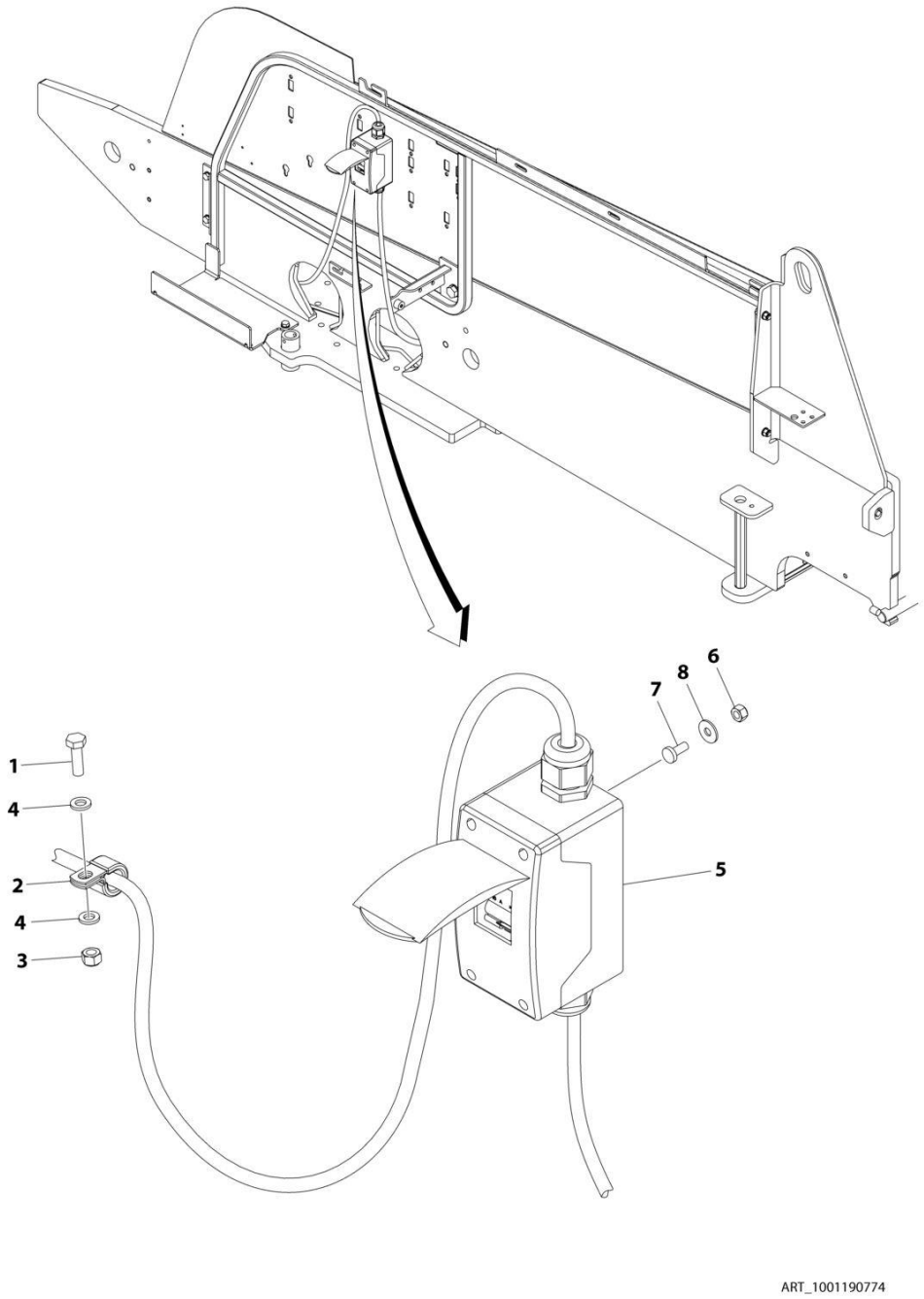


FIGURE 8-16. AC BREAKER BOX INSTALLATION - SINGLE DOUBLE POLE BREAKER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190774	Ref	AC BREAKER BOX INSTALLATION	C
1	0760610	1	Bolt M6 x 20	
2	1320041	1	Clamp	
3	3290605	1	Nut M6	
4	4811700	2	Washer M6	
5	2902549	1	Breaker Box Kit - Single Double Pole Breaker (See Separate Breakdown in this Section)	
6	3290405	2	Nut M4	
7	4010405	2	Screw M4 x 10	
8	1001091102	2	Washer M4	

FIGURE 8-17. AC BREAKER BOX INSTALLATION - 3 BREAKERS

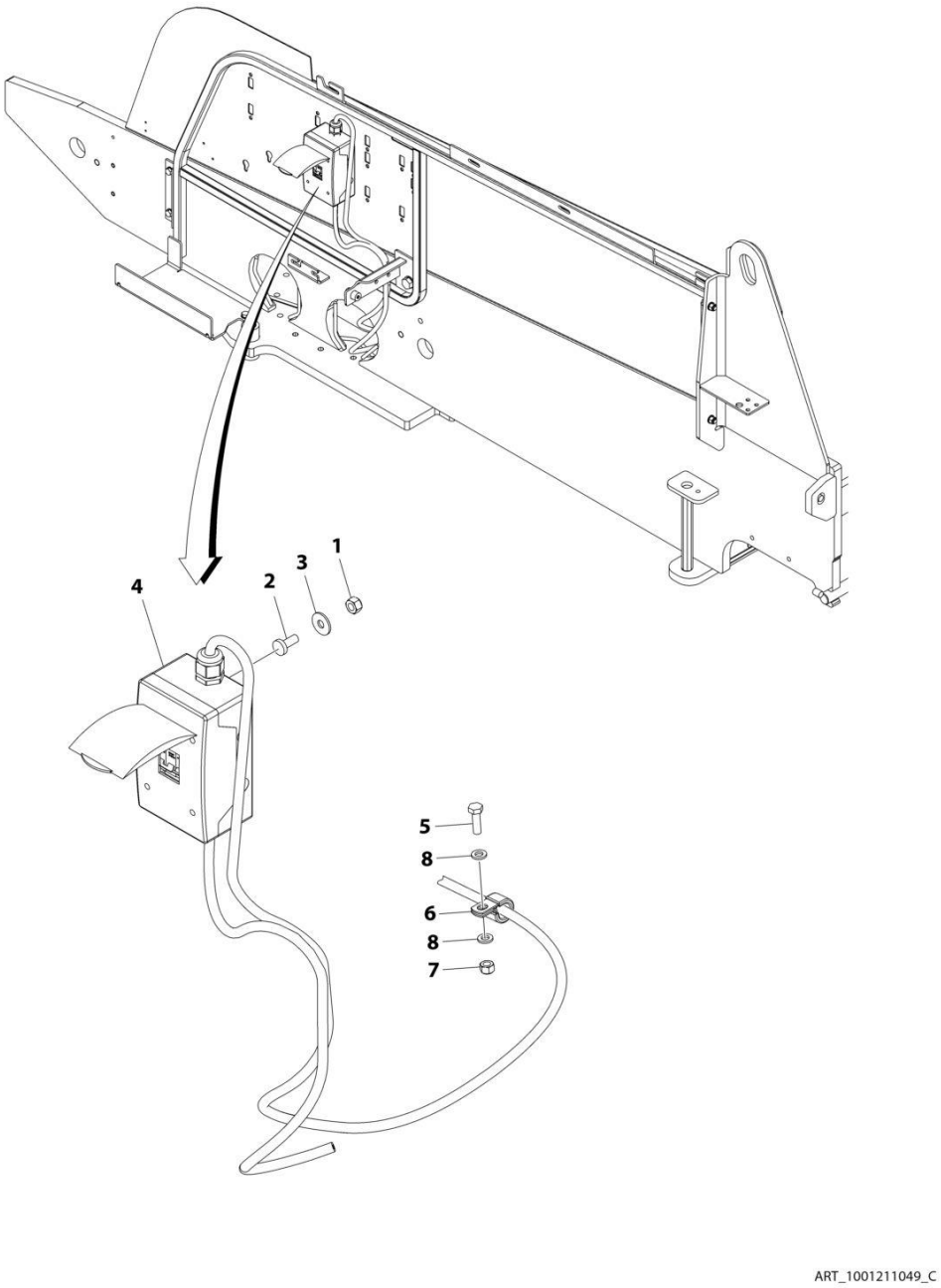


FIGURE 8-17. AC BREAKER BOX INSTALLATION - 3 BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001211049	Ref	AC BREAKER BOX INSTALLATION	C
1	3290405	2	Nut M4	
2	4010405	2	Screw M4 x 10	
3	1001091102	2	Washer M4	
4	1001152486	1	Breaker Box Kit - 3 Breakers (See Separate Breakdown in this Section)	
5	0760610	1	Bolt M6 x 20	
6	1320041	1	Clamp	
7	3290605	1	Nut M6	
8	4811700	2	Washer M6	

FIGURE 8-18. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (600S)

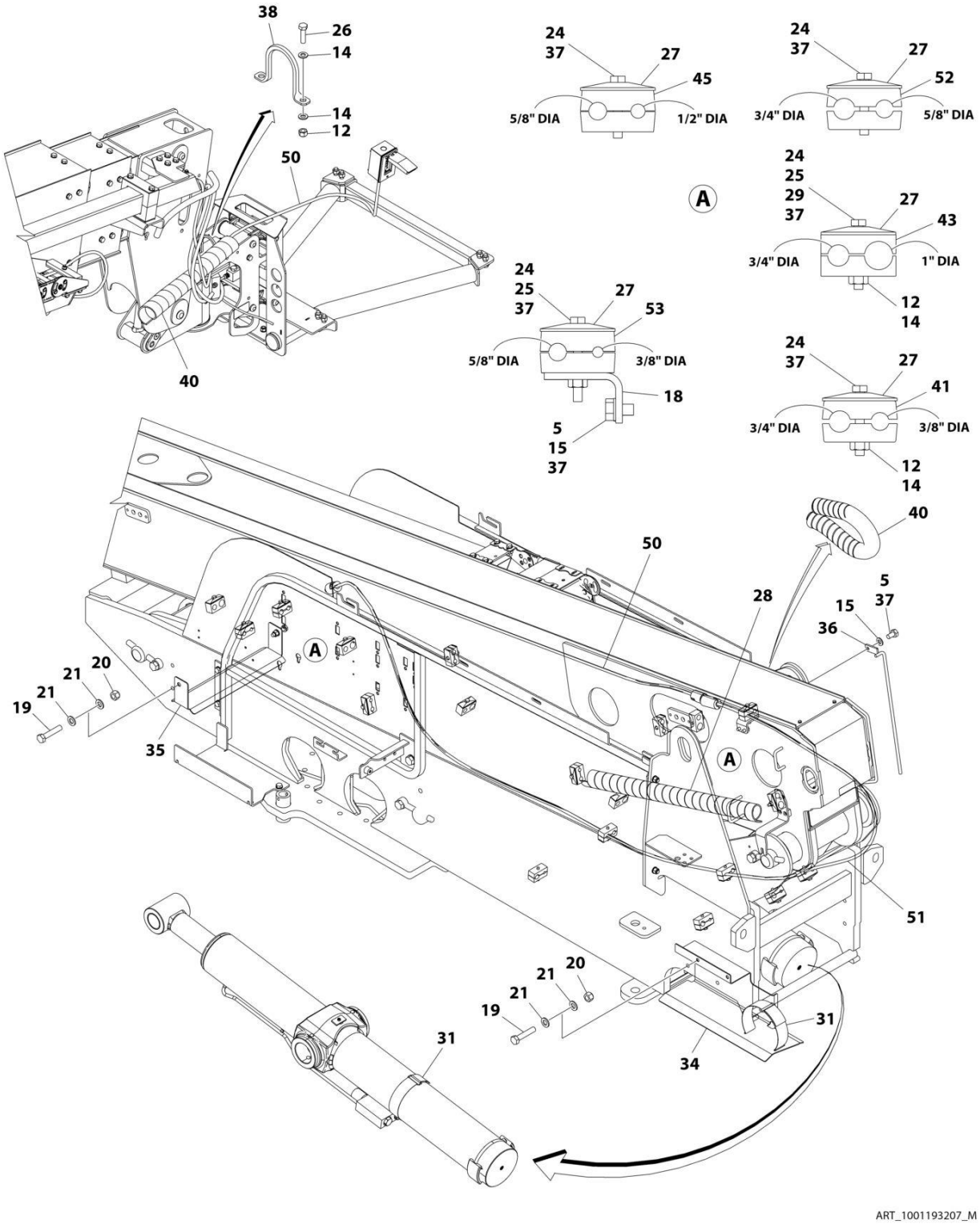


FIGURE 8-18. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193207	Ref	AC CABLES AND CLAMPS INSTALLATION	M
5	0761009	3	Bolt M10 x 18	
12	3290805	4	Nut M8	
14	4811900	5	Washer M8	
15	4812000	3	Washer M10	
16	1001146588	4	Tie-Strap (Not Shown)	
18	1001229637	1	Bracket	
19	0701220	4	Bolt M12 x 60	
20	3291205	4	Nut M12	
21	4812100	8	Washer M12	
24	0700818	16	Bolt M8 x 50	
25	0700822	2	Bolt M8 x 70	
26	0760814	2	Bolt M8 x 30	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
31	1001143645	2	Strap, Cinch	
34	1001252945	1	Support	
35	1001201342	1	Support	
36	1001202936	1	Guide	
37	0100011	AR	Compound, Locking	
38	3841340	1	Loop, Hose	
39	4240018	3	Tie-Strap (Not Shown)	
40	1001181923	AR	Shield, Tube	
41	1001209948	3	Clamp	
43	1001209951	6	Clamp	
45	1001209953	3	Clamp	
46	4240099	2	Tie-Strap (Not Shown)	
50	1001195227	1	AC Ground to Platform Cable (Upper)	
50	1001120204	1	Plug, Male	
51	1001195525	1	AC Ground to Platform Cable (Lower)	
51	1001120205	1	Receptacle, Female	
52	1001209949	3	Clamp	
53	1001228809	4	Clamp	

FIGURE 8-19. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, CE & UK CA SPECS) (600S)

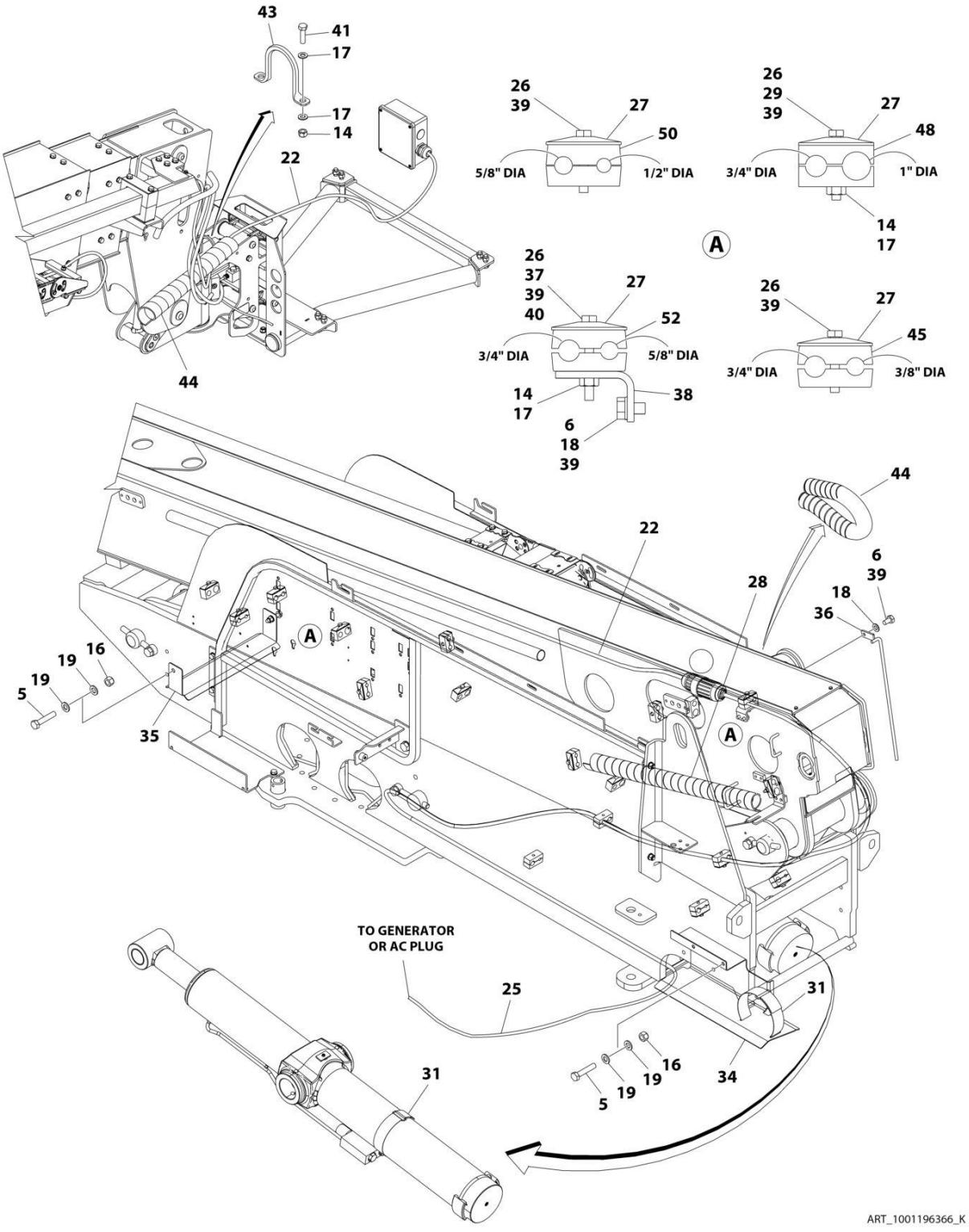


FIGURE 8-19. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196366	Ref	AC CABLES AND CLAMPS INSTALLATION	K
5	0701220	4	Bolt M12 x 60	
6	0761009	2	Bolt M10 x 18	
14	3290805	4	Nut M8	
16	3291205	4	Nut M12	
17	4811900	5	Washer M8	
18	4812000	3	Washer M10	
19	4812100	8	Washer M12	
20	1001146588	4	Tie-Strap (Not Shown)	
22	1001195225	1	AC Ground to Platform Cable (Upper)	
22	1001214095	1	Plug, Male	
25	1001196368	1	AC Ground to Platform Cable (Lower)	
25	1001214096	1	Receptacle, Female	
26	0700818	16	Bolt M8 x 50	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
31	1001143645	2	Strap, Cinch	
34	1001252945	1	Support	
35	1001201342	1	Support	
36	1001202936	1	Guide	
37	0700822	1	Bolt M8 x 70	
38	1001229637	1	Bracket	
39	0100011	AR	Compound, Locking	
40	0760822	1	Bolt M8 x 70	
41	0760814	2	Bolt M8 x 30	
42	4240018	3	Tie-Strap (Not Shown)	
43	3841340	1	Loop, Hose	
44	1001181923	AR	Shield, Tube	
45	1001209948	3	Clamp	
48	1001209951	6	Clamp	
50	1001209953	7	Clamp	
51	4240099	2	Tie-Strap (Not Shown)	
52	1001209949	3	Clamp	

FIGURE 8-20. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (600S)

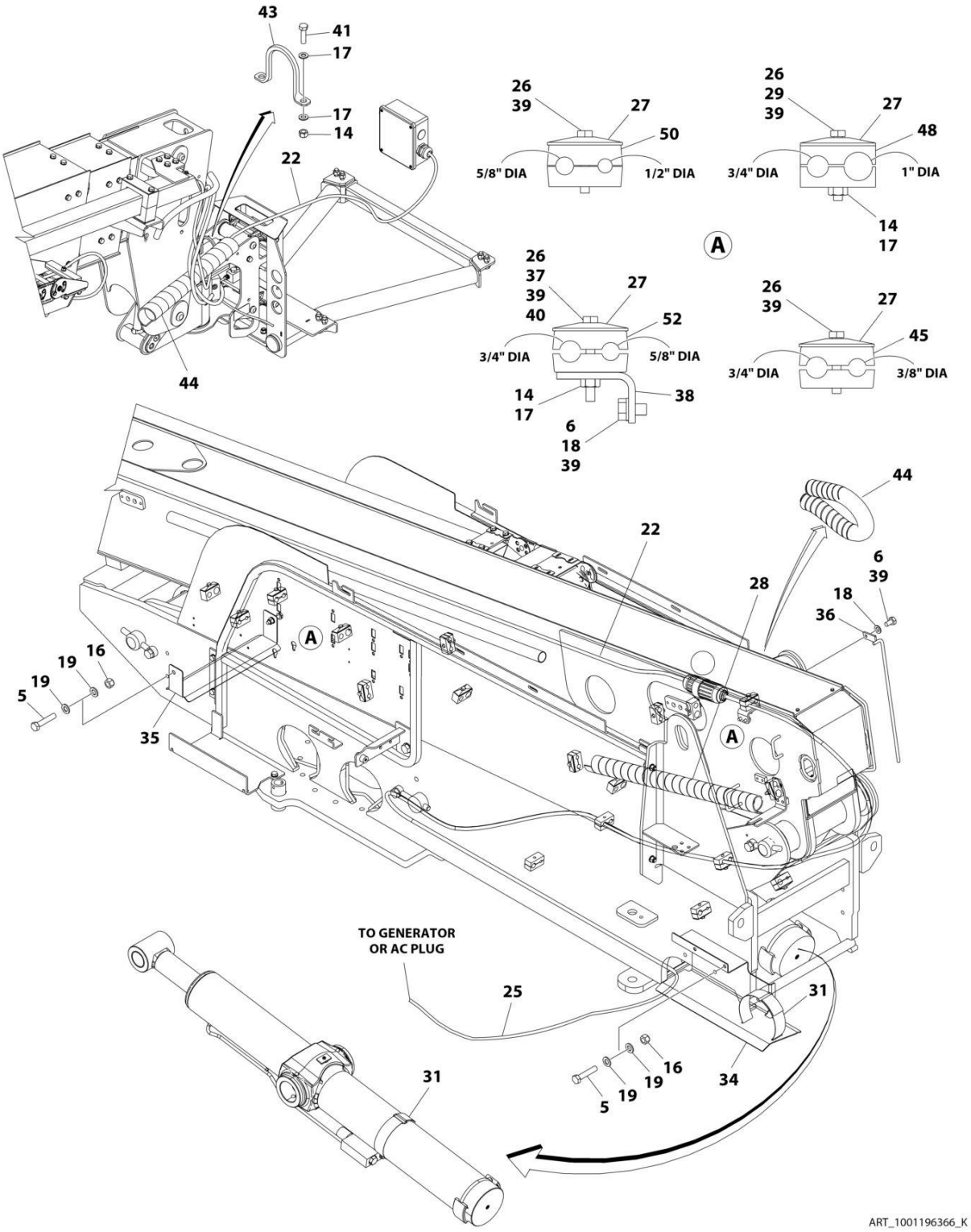


FIGURE 8-20. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196366	Ref	AC CABLES AND CLAMPS INSTALLATION	K
5	0701220	4	Bolt M12 x 60	
6	0761009	2	Bolt M10 x 18	
14	3290805	4	Nut M8	
16	3291205	4	Nut M12	
17	4811900	5	Washer M8	
18	4812000	3	Washer M10	
19	4812100	8	Washer M12	
20	1001146588	4	Tie-Strap (Not Shown)	
22	1001195225	1	AC Ground to Platform Cable (Upper)	
22	1001214095	1	Plug, Male	
25	1001196368	1	AC Ground to Platform Cable (Lower)	
25	1001214096	1	Receptacle, Female	
26	0700818	16	Bolt M8 x 50	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
31	1001143645	2	Strap, Cinch	
34	1001252945	1	Support	
35	1001201342	1	Support	
36	1001202936	1	Guide	
37	0700822	1	Bolt M8 x 70	
38	1001229637	1	Bracket	
39	0100011	AR	Compound, Locking	
40	0760822	1	Bolt M8 x 70	
41	0760814	2	Bolt M8 x 30	
42	4240018	3	Tie-Strap (Not Shown)	
43	3841340	1	Loop, Hose	
44	1001181923	AR	Shield, Tube	
45	1001209948	3	Clamp	
48	1001209951	6	Clamp	
50	1001209953	7	Clamp	
51	4240099	2	Tie-Strap (Not Shown)	
52	1001209949	3	Clamp	

FIGURE 8-21. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, CE & UK CA SPECS) (600S)

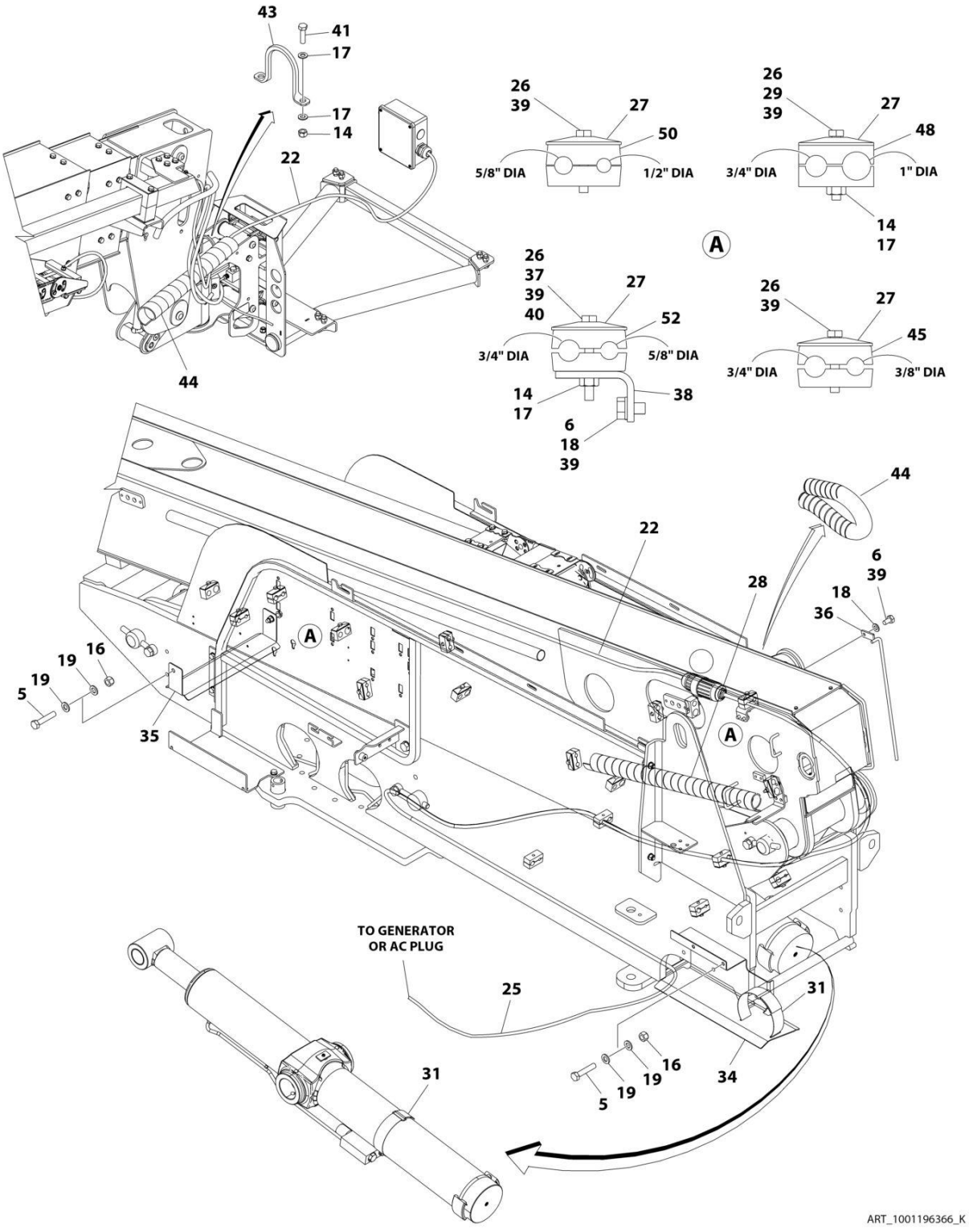


FIGURE 8-21. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196366	Ref	AC CABLES AND CLAMPS INSTALLATION	K
5	0701220	4	Bolt M12 x 60	
6	0761009	2	Bolt M10 x 18	
14	3290805	4	Nut M8	
16	3291205	4	Nut M12	
17	4811900	5	Washer M8	
18	4812000	3	Washer M10	
19	4812100	8	Washer M12	
20	1001146588	4	Tie-Strap (Not Shown)	
22	1001195225	1	AC Ground to Platform Cable (Upper)	
22	1001214095	1	Plug, Male	
25	1001196368	1	AC Ground to Platform Cable (Lower)	
25	1001214096	1	Receptacle, Female	
26	0700818	16	Bolt M8 x 50	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
31	1001143645	2	Strap, Cinch	
34	1001252945	1	Support	
35	1001201342	1	Support	
36	1001202936	1	Guide	
37	0700822	1	Bolt M8 x 70	
38	1001229637	1	Bracket	
39	0100011	AR	Compound, Locking	
40	0760822	1	Bolt M8 x 70	
41	0760814	2	Bolt M8 x 30	
42	4240018	3	Tie-Strap (Not Shown)	
43	3841340	1	Loop, Hose	
44	1001181923	AR	Shield, Tube	
45	1001209948	3	Clamp	
48	1001209951	6	Clamp	
50	1001209953	7	Clamp	
51	4240099	2	Tie-Strap (Not Shown)	
52	1001209949	3	Clamp	

FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (600S)

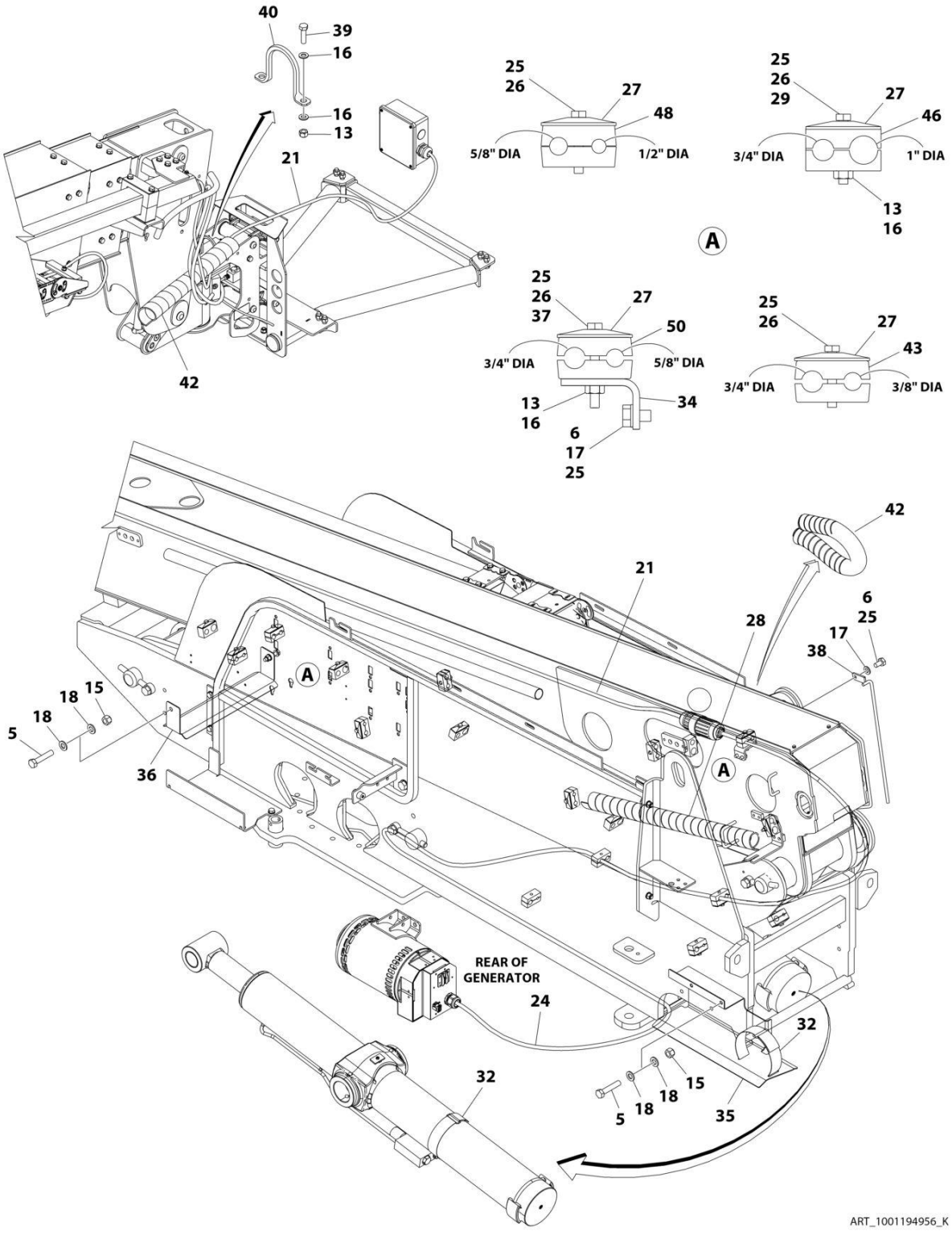


FIGURE 8-22. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194956	Ref	AC CABLES AND CLAMPS INSTALLATION	K
5	0701220	4	Bolt M12 x 60	
6	0761009	3	Bolt M10 x 18	
13	3290805	4	Nut M8	
15	3291205	4	Nut M12	
16	4811900	5	Washer M8	
17	4812000	3	Washer M10	
18	4812100	8	Washer M12	
19	1001146588	4	Tie-Strap (Not Shown)	
21	1001228186	1	AC Ground to Platform Cable (Upper)	
21	4460959	1	Plug, Male	
21	1671093	1	Cover, Plug	
24	1001228188	1	AC Ground to Platform Cable (Lower)	
24	4460960	1	Receptacle, Female	
24	1671092	1	Cover, Receptacle	
25	0100011	AR	Compound, Locking	
26	0700818	16	Bolt M8 x 50	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
32	1001143645	2	Strap, Cinch	
34	1001229637	1	Bracket	
35	1001252945	1	Support	
36	1001201342	1	Support	
37	0700822	2	Bolt M8 x 70	
38	1001202936	1	Guide	
39	0760814	2	Bolt M8 x 30	
40	3841340	1	Loop, Hose	
41	4240018	3	Tie-Strap (Not Shown)	
42	1001181923	AR	Shield, Tube	
43	1001209948	3	Clamp	
46	1001209951	6	Clamp	
48	1001209953	7	Clamp	
49	4240099	2	Tie-Strap (Not Shown)	
50	1001209949	3	Clamp	

FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (600S)

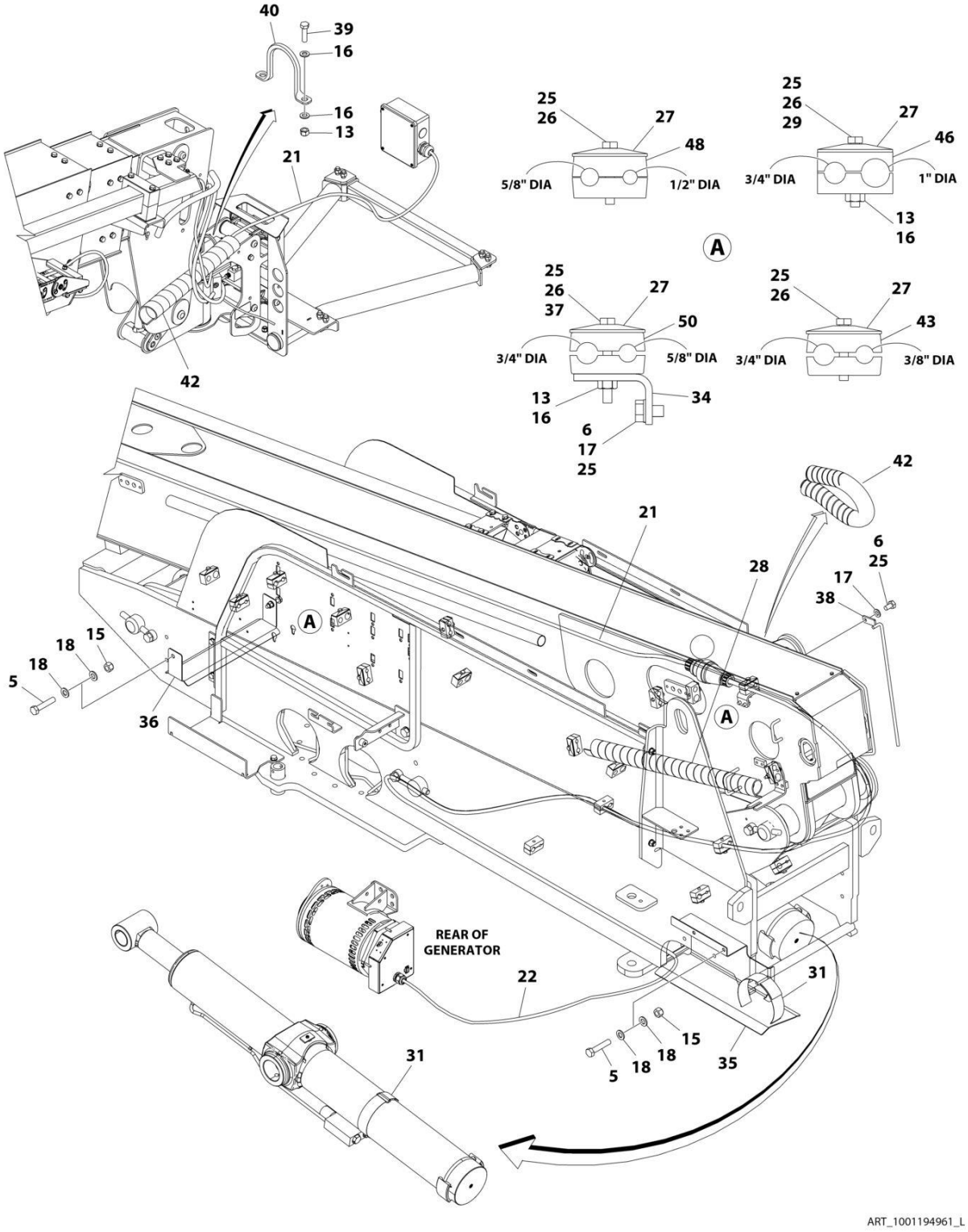


FIGURE 8-23. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194961	Ref	AC CABLES AND CLAMPS INSTALLATION	L
5	0701220	4	Bolt M12 x 60	
6	0761009	3	Bolt M10 x 18	
13	3290805	4	Nut M8	
15	3291205	4	Nut M12	
16	4811900	5	Washer M8	
17	4812000	3	Washer M10	
18	4812100	8	Washer M12	
19	1001146588	4	Tie-Strap (Not Shown)	
21	1001195229	1	AC Ground to Platform Cable (Upper)	
21	4460959	1	Plug, Male	
21	1671093	1	Cover, Plug	
22	1001195357	1	AC Ground to Platform Cable (Lower)	
22	4460960	1	Receptacle, Female	
22	1671092	1	Cover, Female	
25	0100011	AR	Compound, Locking	
26	0700818	16	Bolt M8 x 50	
27	77133137	19	Cover, Clamp	
28	1001204690	1	Shield, Tube	
29	5281918	1	Capscrew M8 x 70	
31	1001143645	2	Strap, Cinch	
34	1001229637	1	Bracket	
35	1001252945	1	Support	
36	1001201342	1	Support	
37	0700822	2	Bolt M8 x 70	
38	1001202936	1	Guide	
39	0760814	2	Bolt M8 x 30	
40	3841340	1	Loop, Hose	
41	4240018	3	Tie-Strap (Not Shown)	
42	1001181923	AR	Shield, Tube	
43	1001209948	3	Clamp	
46	1001209951	6	Clamp	
48	1001209953	3	Clamp	
49	4240099	2	Tie-Strap (Not Shown)	
50	1001209949	7	Clamp	

SECTION 8 - ELECTRICAL

FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (660SJ)

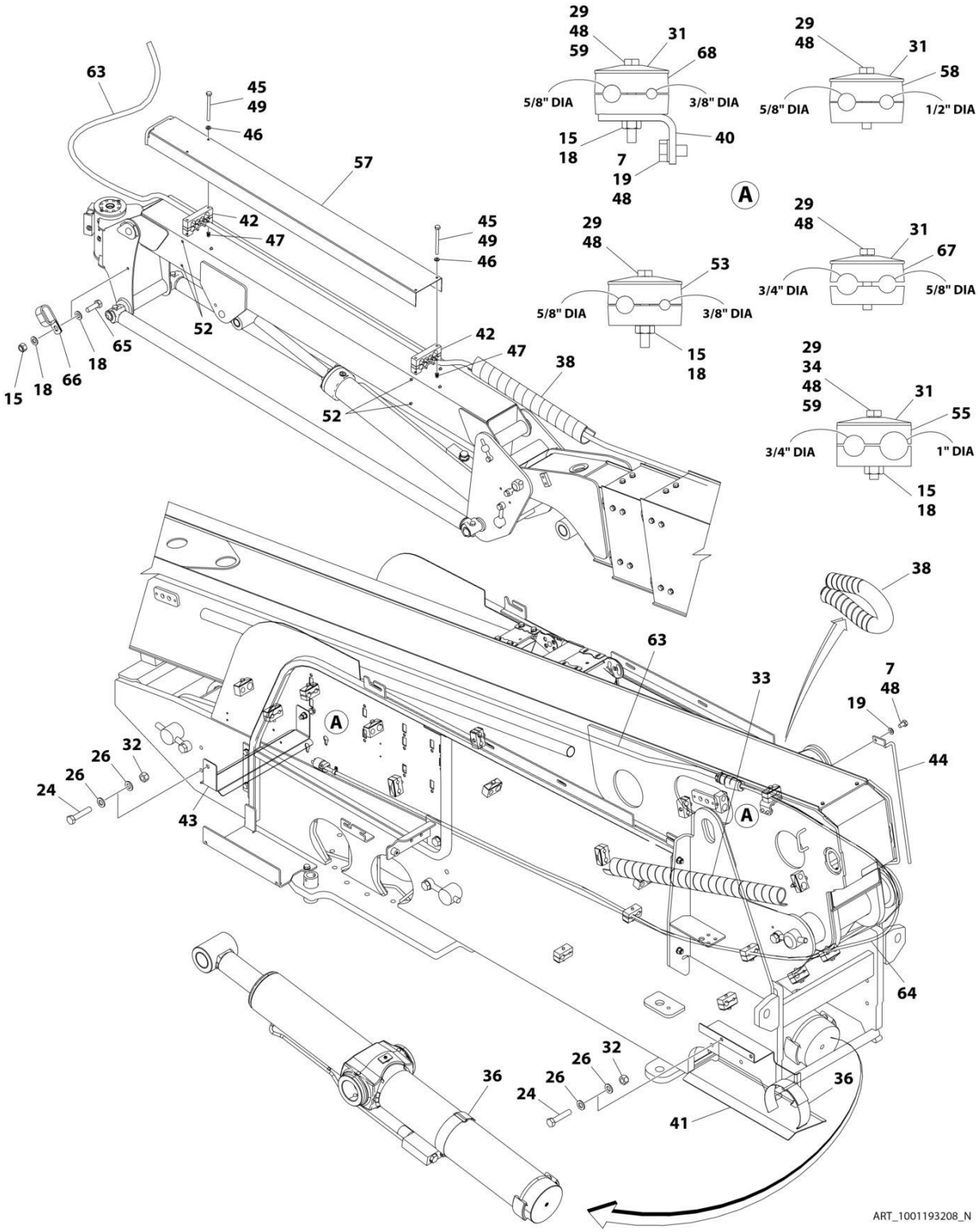


FIGURE 8-24. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI, CSA AND JAPANESE SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001193208	Ref	AC CABLES AND CLAMPS INSTALLATION	N
7	0761009	3	Bolt M10 x 18	
15	3290805	3	Nut M8	
18	4811900	3	Washer M8	
19	4812000	3	Washer M10	
20	1001146588	4	Tie-Strap (Not Shown)	
24	0701220	4	Bolt M12 x 60	
26	4812100	8	Washer M12	
29	0700818	16	Bolt M8 x 50	
31	77133137	13	Cover, Clamp	
32	3291205	4	Nut M12	
33	1001204690	1	Shield, Tube	
34	5281918	1	Capscrew M8 x 70	
36	1001143645	2	Strap, Cinch	
38	1001181923	AR	Shield, Tube	
40	1001229637	1	Bracket	
41	1001252945	1	Support	
42	1001201090	2	Block, Clamp	
43	1001201342	1	Support	
44	1001202936	1	Guide	
45	0700626	4	Bolt M6 x 90	
46	4811700	4	Washer M6	
47	1001176636	4	Rivet - Nut M6	
48	0100011	AR	Compound, Locking	
49	0100035	AR	Compound, Locking	
51	4240018	4	Tie-Strap (Not Shown)	
52	3520034	8	Plug	
53	1001209948	3	Clamp	
55	1001209951	6	Clamp	
57	1001209957	1	Cover	
58	1001209953	3	Clamp	
59	0700822	2	Bolt M8 x 70	
63	1001195228	1	AC Ground to Platform Cable (Upper)	
63	1001120204	1	Plug, Male	
64	1001195525	1	AC Ground to Platform Cable (Lower)	
64	1001120205	1	Receptacle, Female	
65	0760812	1	Bolt M8 x 25	
66	1001116792	1	Clamp	
67	1001209949	3	Clamp	
68	1001228809	4	Clamp	

FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS) (660SJ)

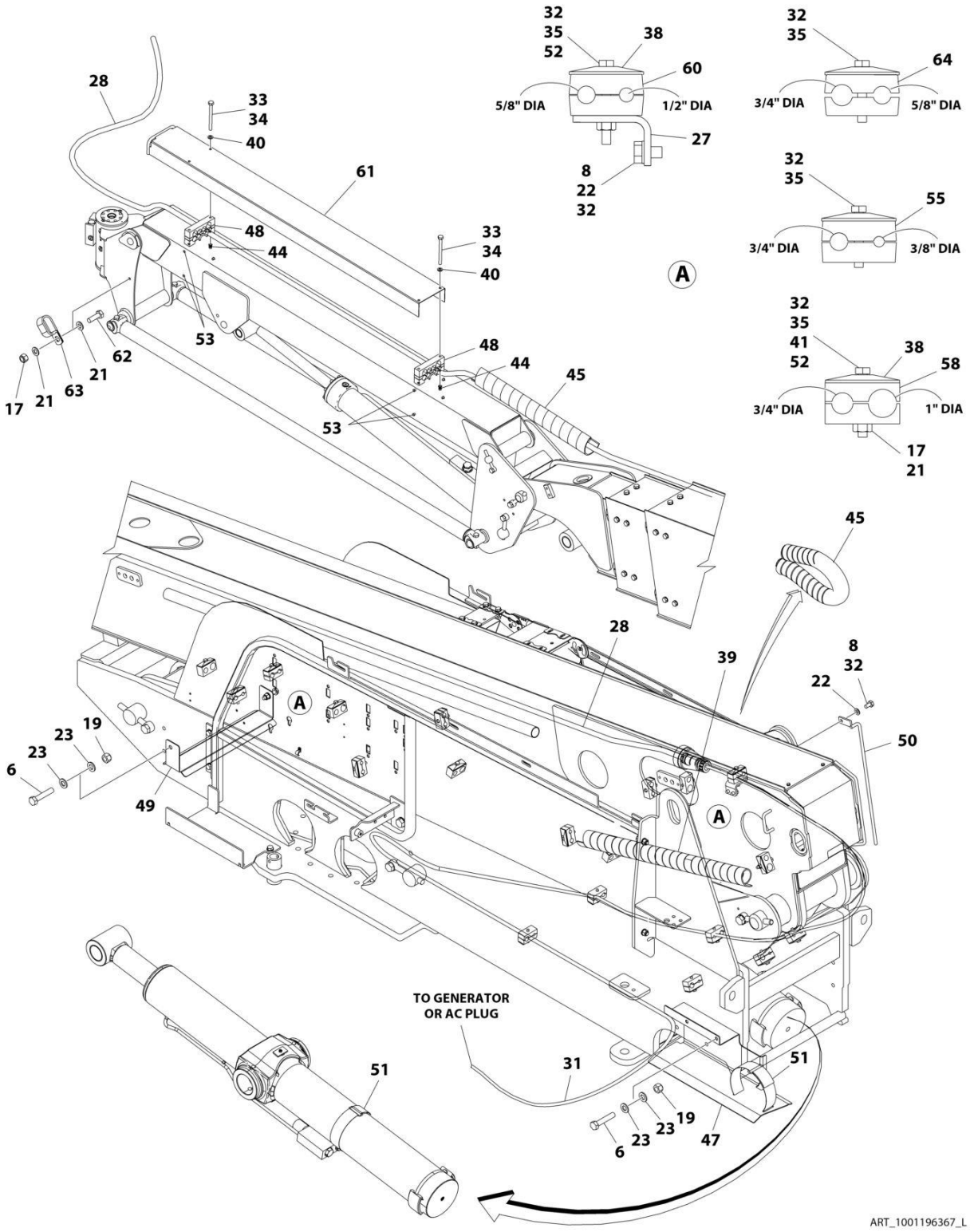


FIGURE 8-25. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR (ANSI EXPORT, AUSTRALIAN, CHINA, CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	L
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	4	Bolt M6 x 90	
35	0700818	16	Bolt M8 x 50	
38	77133137	13	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	4	Rivet - Nut M6	
44	1001260680	4	Rivet - Nut M6	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	
65	0700819	1	Bolt M8 x 55 (Not Shown)	

FIGURE 8-26. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR AND WITHOUT AC CABLES (MACHINES WITH SN STARTING WITH B3) (660SJ)

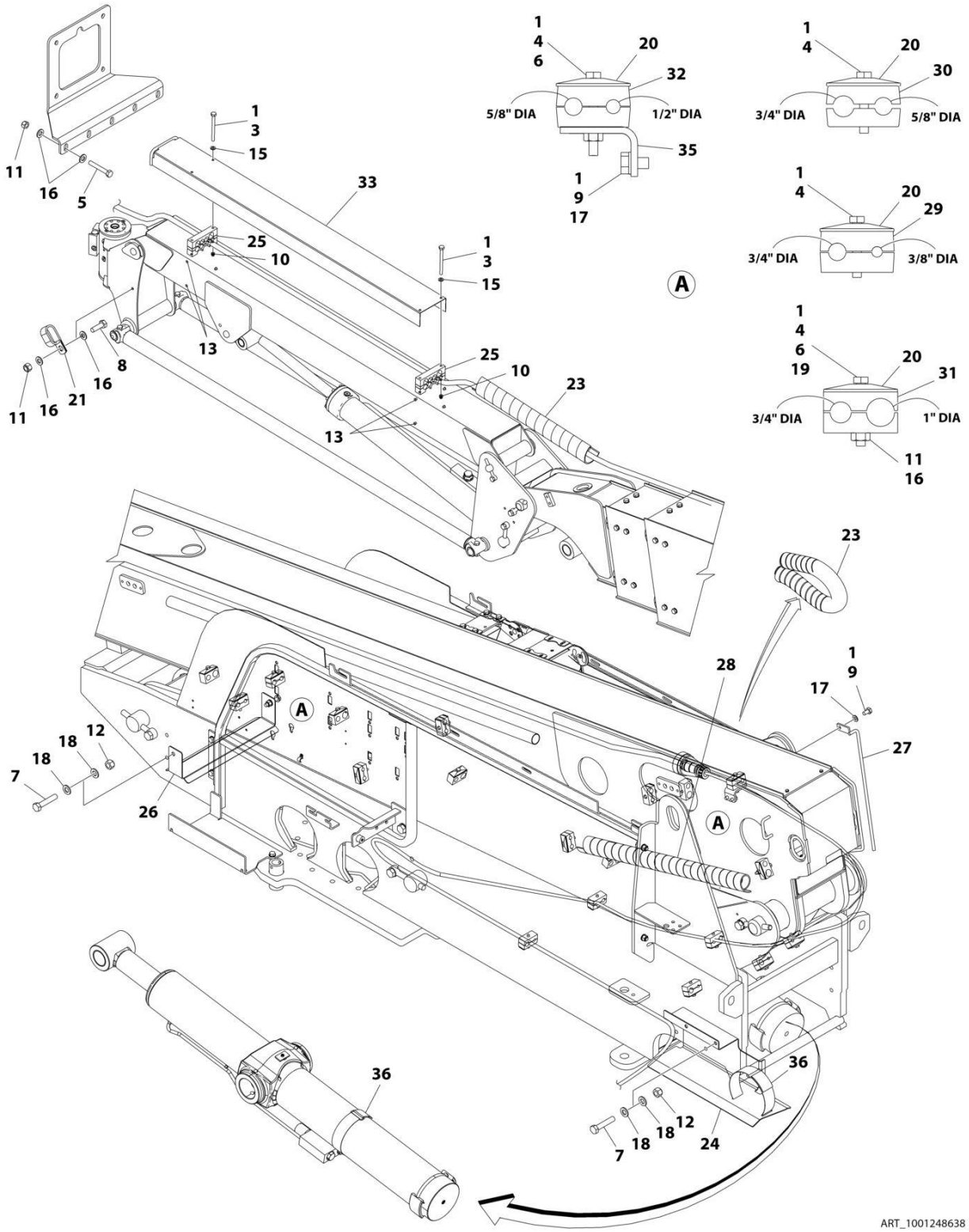


FIGURE 8-26. AC CABLES AND CLAMPS INSTALLATION - WITHOUT GENERATOR AND WITHOUT AC CABLES (MACHINES WITH SN STARTING WITH B3) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001248638	Ref	AC CABLES AND CLAMPS INSTALLATION	E
1	0100011	AR	Compound, Locking	
2	0100035	AR	Compound, Locking	
3	0641424	AR	Bolt 1/4 x 3	
3	0700626	AR	Bolt M6 x 90	
4	0700818	16	Bolt M8 x 50	
5	0700819	1	Bolt M8 x 50	
6	0700822	2	Bolt M8 x 70	
7	0701220	4	Bolt M12 x 60	
8	0760812	1	Bolt M8 x 25	
9	0761009	3	Bolt M10 x 18	
10	1001176636	AR	Rivet - Nut M6	
10	1001260680	4	Rivet - Nut M6	
11	3290805	4	Nut M8	
12	3291205	4	Nut M12	
13	3520034	8	Plug	
14	4240018	4	Tie-Strap (Not Shown)	
15	4811700	4	Washer M6	
16	4811900	5	Washer M8	
17	4812000	3	Washer M10	
18	4812100	8	Washer M12	
19	5281918	1	Capscrew M8 x 70	
20	77133137	AR	Cover, Clamp	
21	1001116792	1	Clamp	
22	1001146588	4	Tie-Strap (Not Shown)	
23	1001181923	2	Shield, Tube	
24	1001252945	1	Support	
25	1001201090	2	Block, Clamp	
26	1001201342	1	Support	
27	1001202936	1	Guide	
28	1001204690	1	Shield, Tube	
29	1001209948	3	Clamp	
30	1001209949	3	Clamp	
31	1001209951	6	Clamp	
32	1001209953	7	Clamp	
33	1001209957	1	Cover	
35	1001229637	1	Bracket	
36	1001143645	2	Strap, Cinch	

FIGURE 8-27. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT CE & UK CA SPECS) (660SJ)

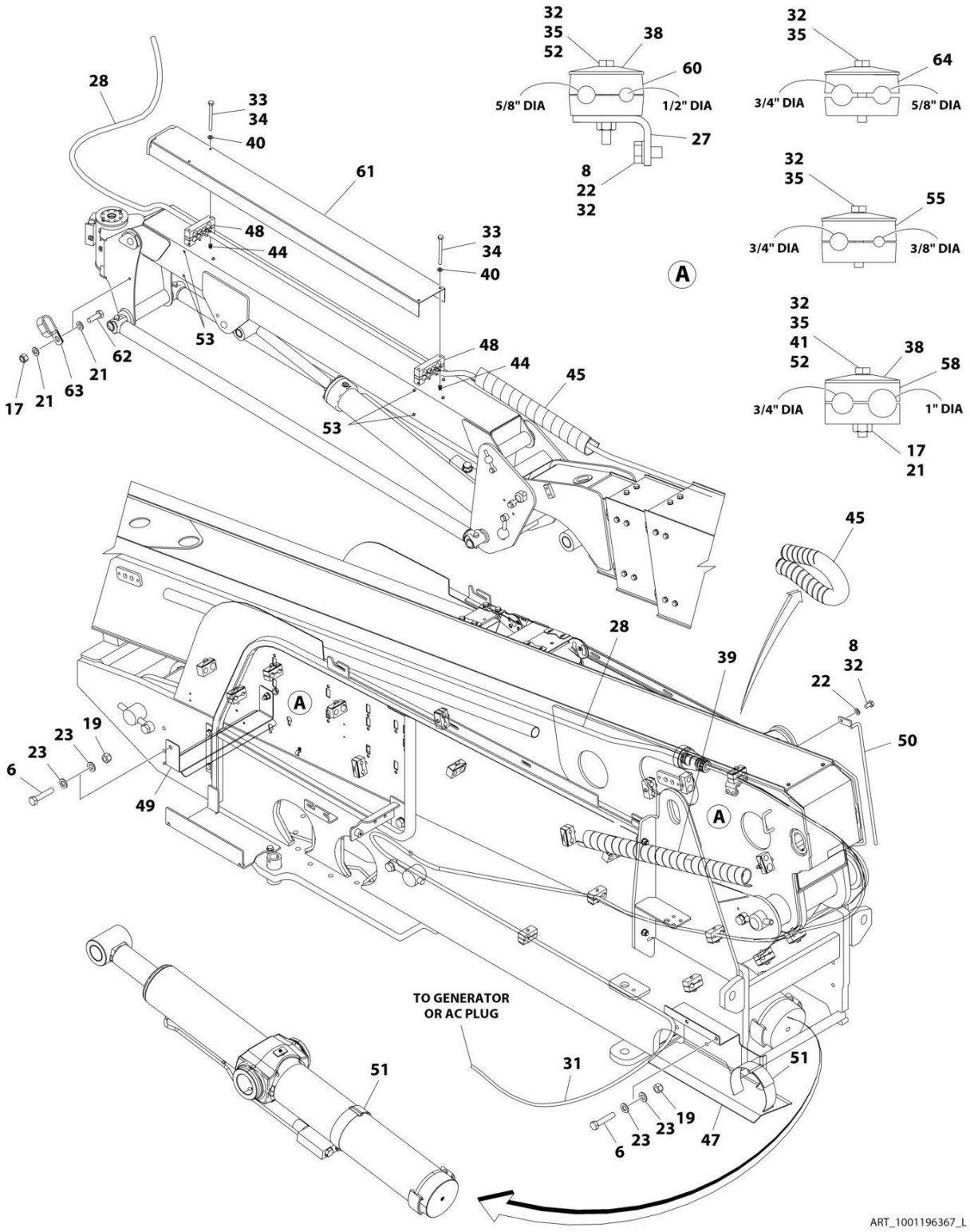


FIGURE 8-27. AC CABLES AND CLAMPS INSTALLATION - WITH 2500W GENERATOR (ALL SPECS EXCEPT CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	L
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	4	Bolt M6 x 90	
35	0700818	16	Bolt M8 x 50	
38	77133137	13	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	4	Rivet - Nut M6	
44	1001260680	4	Rivet - Nut M6	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	
65	0700819	1	Bolt M8 x 55 (Not Shown)	

FIGURE 8-28. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS) (660SJ)

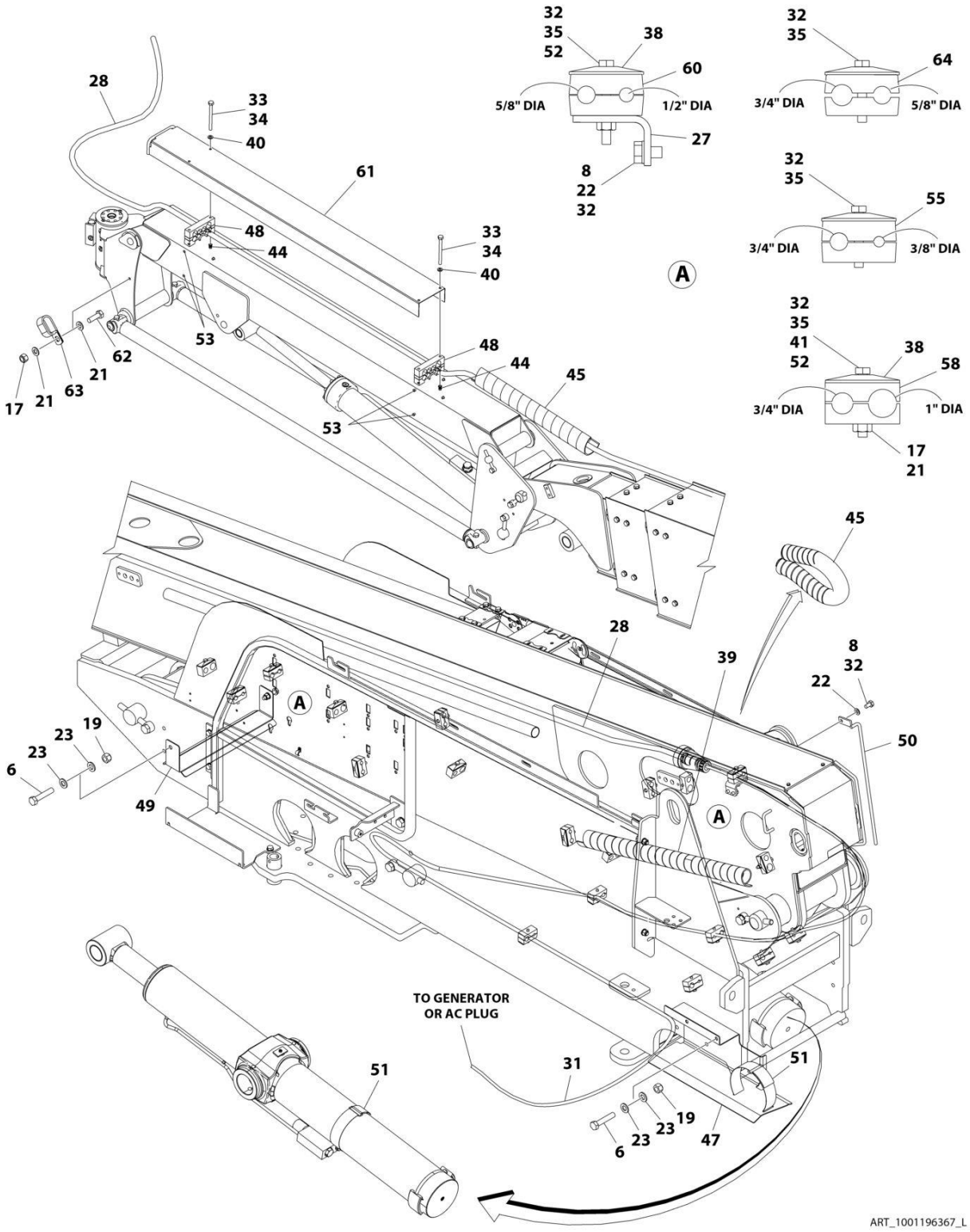


FIGURE 8-28. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/50HZ GENERATOR (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001196367	Ref	AC CABLES AND CLAMPS INSTALLATION	L
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
17	3290805	4	Nut M8	
19	3291205	4	Nut M12	
21	4811900	5	Washer M8	
22	4812000	3	Washer M10	
23	4812100	8	Washer M12	
24	1001146588	4	Tie-Strap (Not Shown)	
27	1001229637	1	Bracket	
28	1001195226	1	AC Ground to Platform Cable (Upper)	
28	1001214095	1	Plug, Male	
31	1001196368	1	AC Ground to Platform Cable (Lower)	
31	1001214096	1	Receptacle, Female	
32	0100011	AR	Compound, Locking	
33	0100035	AR	Compound, Locking	
34	0700626	4	Bolt M6 x 90	
35	0700818	16	Bolt M8 x 50	
38	77133137	13	Cover, Clamp	
39	1001204690	1	Shield, Tube	
40	4811700	4	Washer M6	
41	5281918	1	Capscrew M8 x 70	
44	1001176636	4	Rivet - Nut M6	
44	1001260680	4	Rivet - Nut M6	
45	1001181923	AR	Shield, Tube	
47	1001252945	1	Support	
48	1001201090	2	Block, Clamp	
49	1001201342	1	Support	
50	1001202936	1	Guide	
51	1001143645	2	Strap, Cinch	
52	0700822	2	Bolt M8 x 70	
53	3520034	8	Plug	
54	4240018	4	Tie-Strap (Not Shown)	
55	1001209948	3	Clamp	
58	1001209951	6	Clamp	
60	1001209953	7	Clamp	
61	1001209957	1	Cover	
62	0760812	1	Bolt M8 x 25	
63	1001116792	1	Clamp	
64	1001209949	3	Clamp	
65	0700819	1	Bolt M8 x 55 (Not Shown)	

FIGURE 8-29. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CHINA, CE & UK CA SPECS) (660SJ)

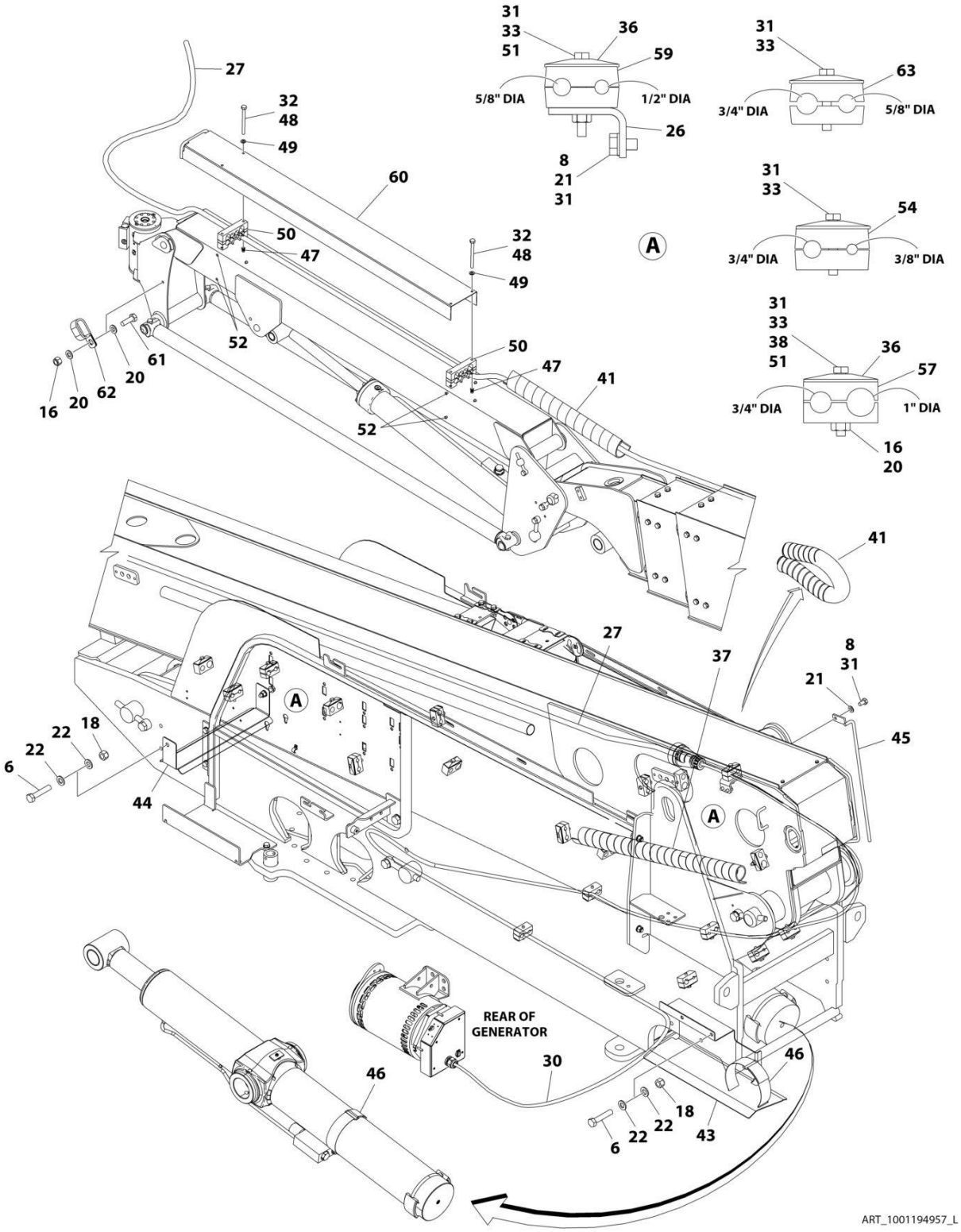


FIGURE 8-29. AC CABLES AND CLAMPS INSTALLATION - WITH 4000W/60HZ GENERATOR (ALL SPECS EXCEPT AUSTRALIAN, CHINA, CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194957	Ref	AC CABLES AND CLAMPS INSTALLATION	L
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
16	3290805	4	Nut M8	
18	3291205	4	Nut M12	
20	4811900	5	Washer M8	
21	4812000	3	Washer M10	
22	4812100	8	Washer M12	
23	1001146588	4	Tie-Strap (Not Shown)	
26	1001229637	1	Bracket	
27	1001228187	1	AC Ground to Platform Cable (Upper)	
27	4460959	1	Plug, Male	
27	1671093	1	Cover, Plug	
30	1001228188	1	AC Ground to Platform Cable (Lower)	
30	4460960	1	Receptacle, Female	
30	1671092	1	Cover, Receptacle	
31	0100011	AR	Compound, Locking	
32	0100035	AR	Compound, Locking	
33	0700818	16	Bolt M8 x 50	
36	77133137	13	Cover, Clamp	
37	1001204690	1	Shield, Tube	
38	5281918	1	Capscrew M8 x 70	
41	1001181923	AR	Shield, Tube	
43	1001252945	1	Support	
44	1001201342	1	Support	
45	1001202936	1	Guide	
46	1001143645	2	Strap, Cinch	
47	1001176636	4	Rivet - Nut M6	
47	1001260680	4	Rivet - Nut M6	
48	0700626	4	Bolt M6 x 90	
49	4811700	4	Washer M6	
50	1001201090	2	Block, Clamp	
51	0700822	2	Bolt M8 x 70	
52	3520034	8	Plug	
53	4240018	4	Tie-Strap (Not Shown)	
54	1001209948	3	Clamp	
57	1001209951	6	Clamp	
59	1001209953	7	Clamp	
60	1001209957	1	Cover	
61	0760812	1	Bolt M8 x 25	
62	1001116792	1	Clamp	
63	1001209949	3	Clamp	

FIGURE 8-30. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (660SJ)

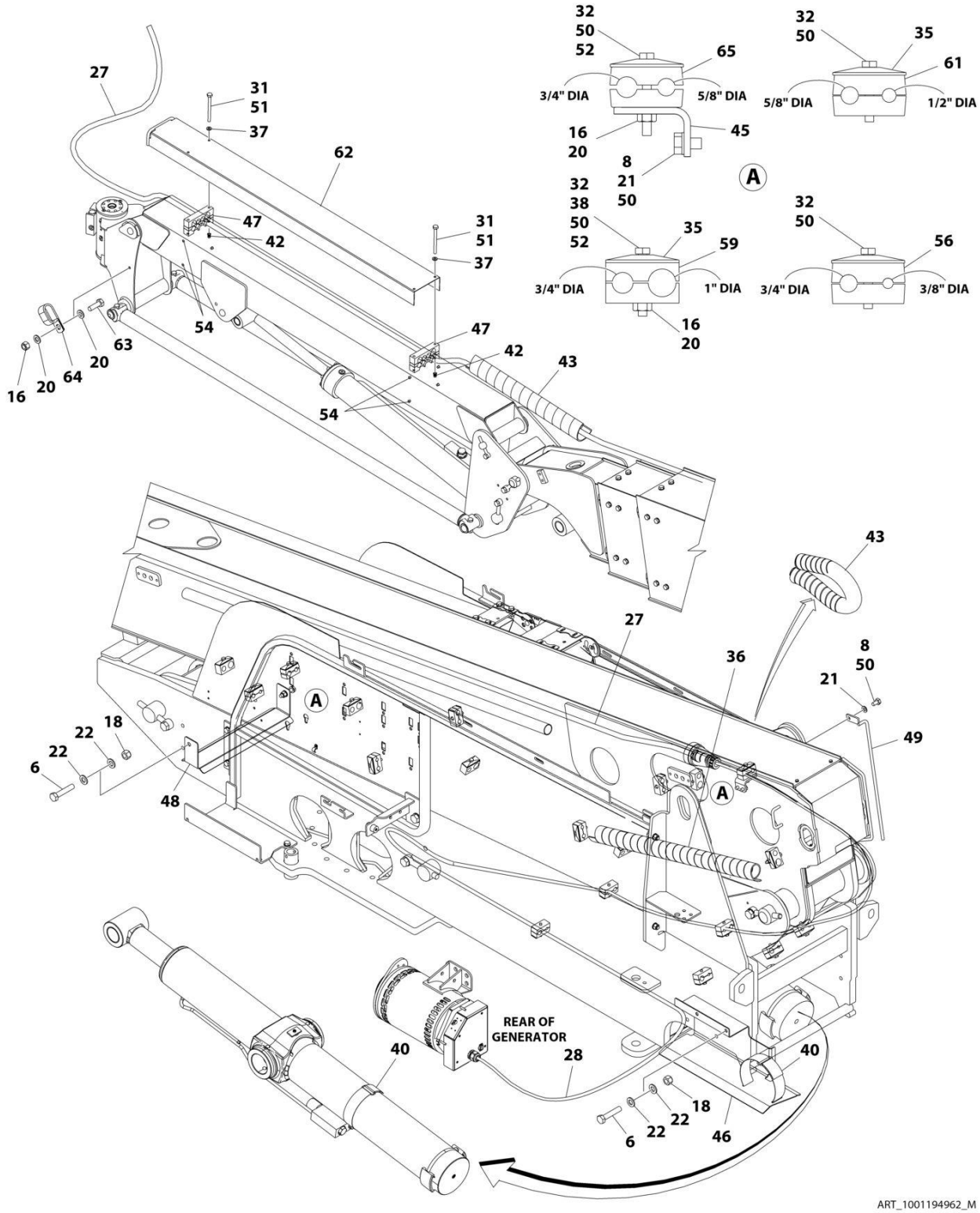


FIGURE 8-30. AC CABLES AND CLAMPS INSTALLATION - WITH 7500W SKYPOWER GENERATOR (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194962	Ref	AC CABLES AND CLAMPS INSTALLATION	M
6	0701220	4	Bolt M12 x 60	
8	0761009	3	Bolt M10 x 18	
16	3290805	4	Nut M8	
18	3291205	4	Nut M12	
20	4811900	5	Washer M8	
21	4812000	3	Washer M10	
22	4812100	8	Washer M12	
23	1001146588	4	Tie-Strap (Not Shown)	
27	1001227075	1	AC Ground to Platform Cable (Upper)	
27	4460959	1	Plug, Male	
27	1671093	1	Cover, Plug	
28	1001226304	1	AC Ground to Platform Cable (Lower)	
28	4460960	1	Receptacle, Female	
28	1671092	1	Cover, Receptacle	
31	0700626	4	Bolt M6 x 90	
32	0700818	16	Bolt M8 x 50	
35	77133137	9	Cover, Clamp	
36	1001204690	1	Shield, Tube	
37	4811700	4	Washer M6	
38	5281918	1	Capscrew M8 x 70	
40	1001143645	2	Strap, Cinch	
42	1001176636	4	Rivet - Nut M6	
42	1001260680	4	Rivet - Nut M6	
43	1001181923	AR	Shield, Tube	
45	1001229637	1	Bracket	
46	1001252945	1	Support	
47	1001201090	2	Block, Clamp	
48	1001201342	1	Support	
49	1001202936	1	Guide	
50	0100011	AR	Compound, Locking	
51	0100035	AR	Compound, Locking	
52	0700822	2	Bolt M8 x 70	
54	3520034	8	Plug	
55	4240018	4	Tie-Strap (Not Shown)	
56	1001209948	3	Clamp	
59	1001209951	6	Clamp	
61	1001209953	3	Clamp	
62	1001209957	1	Cover	
63	0760812	1	Bolt M8 x 25	
64	1001116792	1	Clamp	
65	1001209949	7	Clamp	
66	0700819	1	Bolt M8 x 55 (Not Shown)	

FIGURE 8-31. AC PLUG WITH AC CABLES INSTALLATION (MACHINES WITH SN STARTING WITH B3)

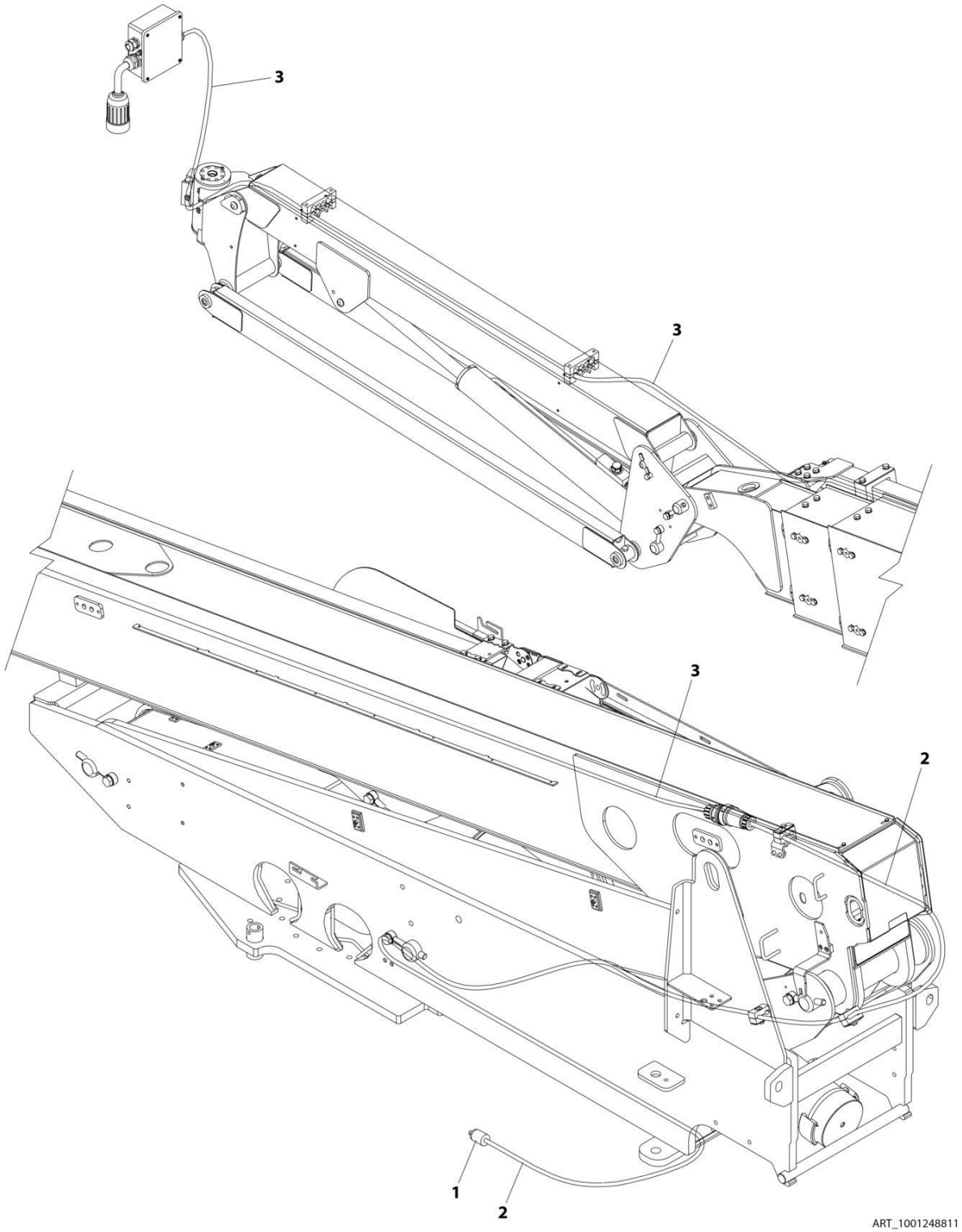


FIGURE 8-31. AC PLUG WITH AC CABLES INSTALLATION (MACHINES WITH SN STARTING WITH B3)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001244881	Ref	AC PLUG WITH AC CABLES INSTALLATION	A
1	1001187816	1	Plug, Male	
2	1001196368	1	AC Ground to Platform Cable (Lower)	
2	1001214096	1	Receptacle, Female	
3	1001195226	1	AC Ground to Platform Cable (Upper)	
3	1001214095	1	Plug, Male	

FIGURE 8-32. BATTERY DISCONNECT SWITCH INSTALLATION

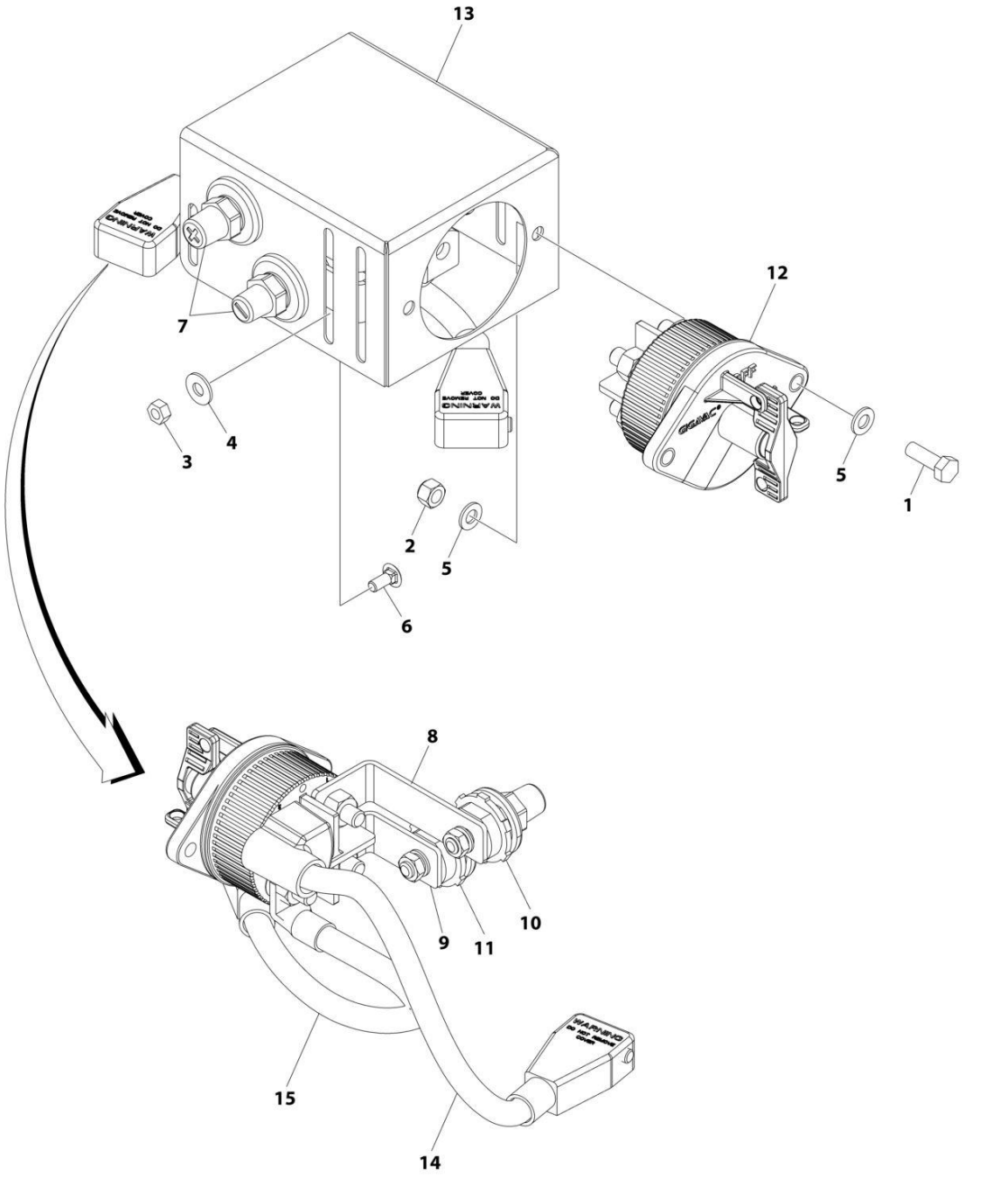


FIGURE 8-32. BATTERY DISCONNECT SWITCH INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001236304	Ref	BATTERY DISCONNECT SWITCH INSTALLATION	A
1	0760812	2	Bolt M8 x 25	
2	3290805	2	Nut M8	
3	3311405	3	Nut 1/4	
4	4751400	3	Washer 1/4	
5	4811900	4	Washer M8	
6	88411013	3	Bolt 1/4 x 3/4	
7	1001206476	1	Connectors, Post	
8	1001209432	1	Bussbar	
9	1001209474	1	Bussbar	
10	1001214570	1	Connector (Red)	
11	1001214571	1	Connector (Black)	
12	1001225346	1	Switch, Battery	
13	1001226531	1	Mount	
14	1001236504	1	Cable, Battery (+)	
15	1001236505	1	Cable, Battery (-)	

FIGURE 8-33. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)

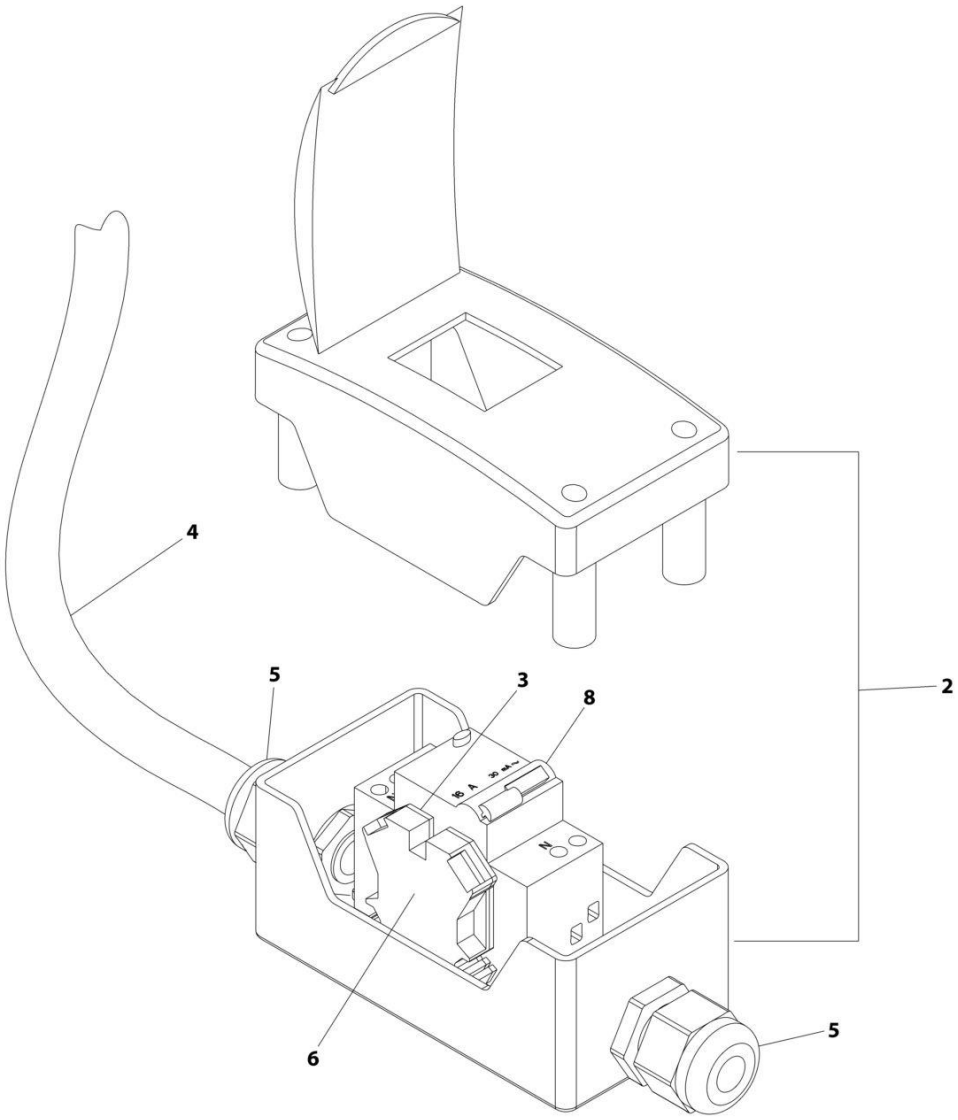


FIGURE 8-33. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITHOUT 4000W/50HZ GENERATOR)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2902549	Ref	BREAKER BOX KIT	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	

FIGURE 8-34. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

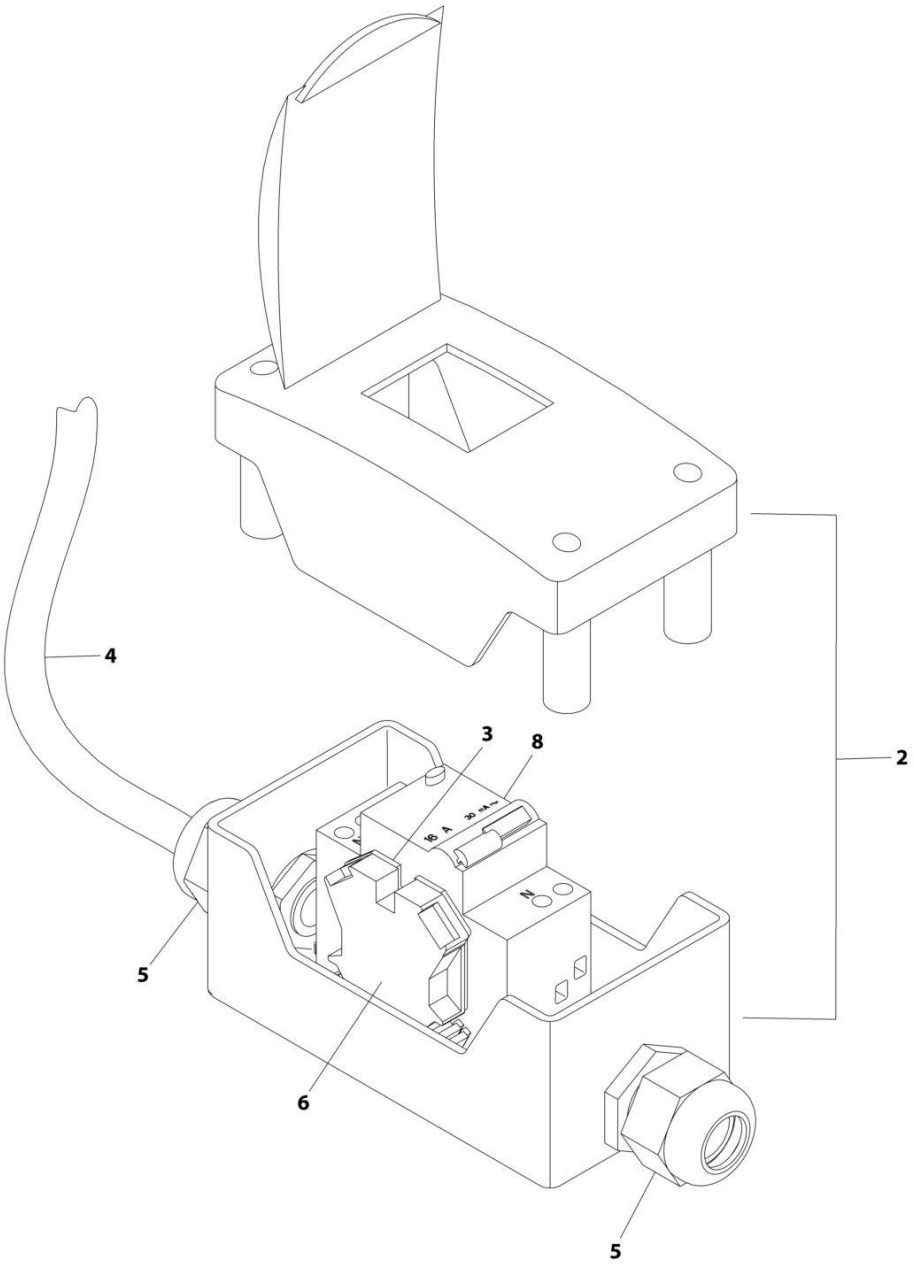


FIGURE 8-34. BREAKER BOX KIT - SINGLE DOUBLE POLE BREAKER (WITH 4000W/50HZ GENERATOR)

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	

FIGURE 8-35. BREAKER BOX KIT - 3 BREAKERS

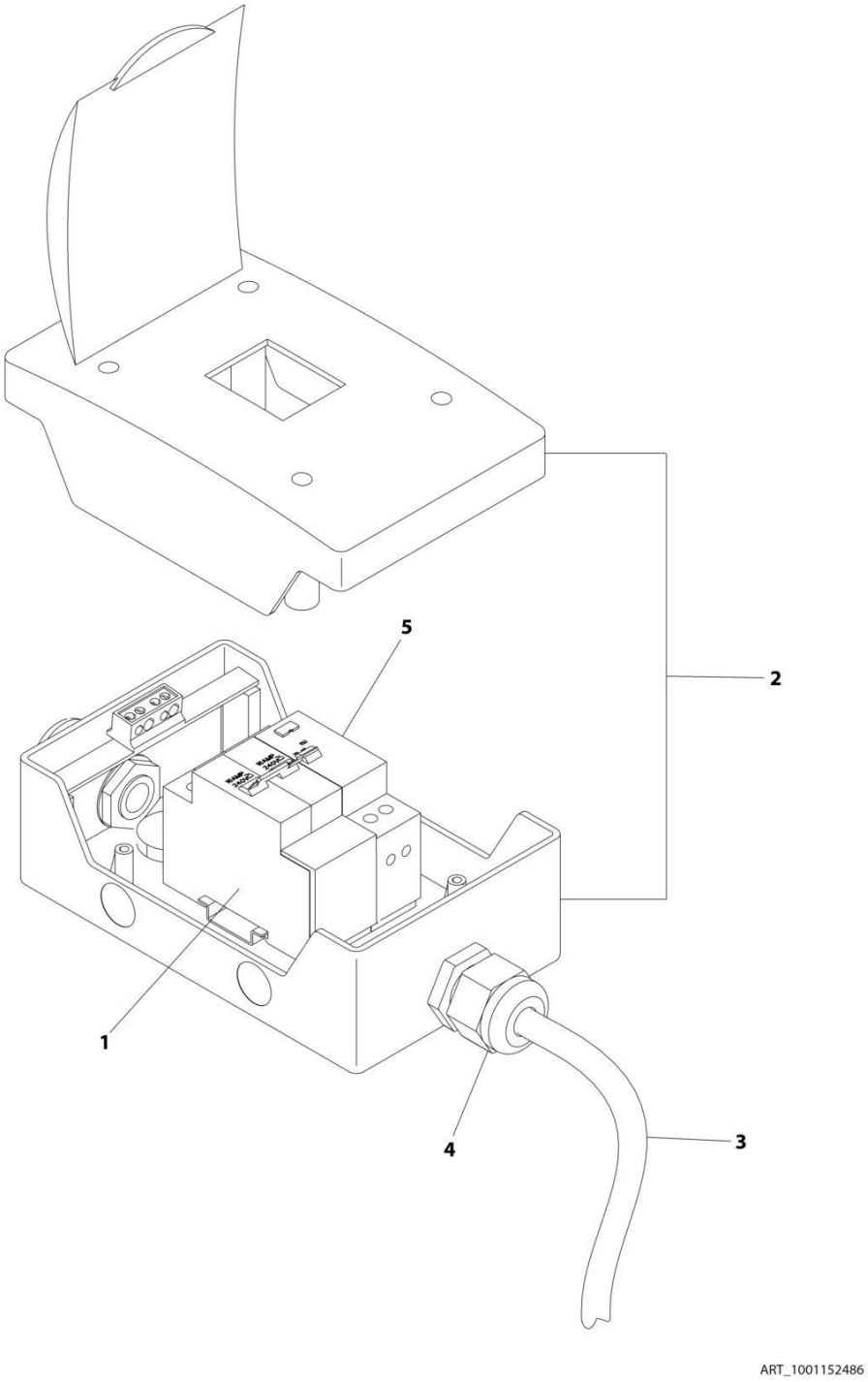


FIGURE 8-35. BREAKER BOX KIT - 3 BREAKERS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152486	Ref	BREAKER BOX KIT	A
1	1001152479	1	Breaker, 16 Amp (Double)	
2	1001152483	1	Box	
3	1060908	12 ft/ 3.66m	Cable, 12/3	
4	1001097150	1	Connector, Strain Relief	
5	1001152482	1	Breaker, 30mA	

FIGURE 8-36. BOOM ANGLE SENSOR HARNESS



ART_1001189005

FIGURE 8-36. BOOM ANGLE SENSOR HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189005	Ref	BOOM ANGLE SENSOR HARNESS	D
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	6	Terminal	
2	4460932	1	Receptacle, Female - 4 Position	
2	4460464	4	Pin, Male	

FIGURE 8-37. BOOM CABLE - LOWER

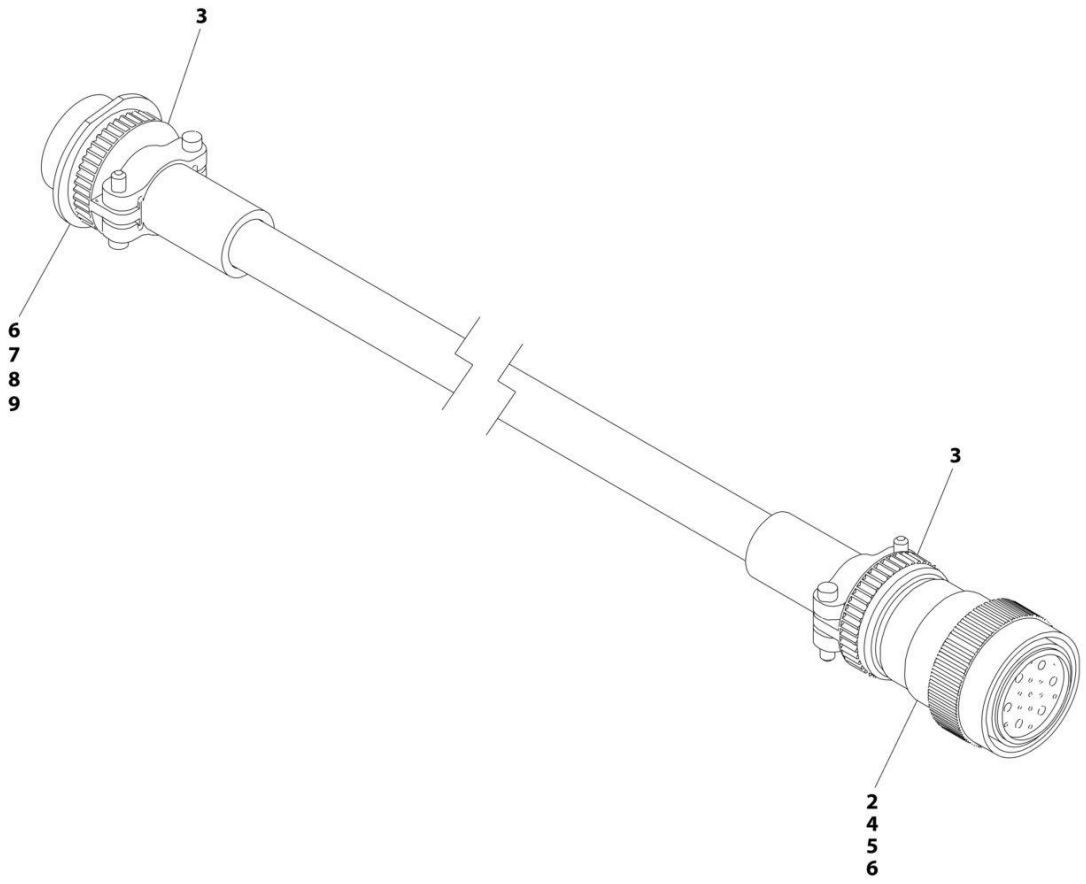


FIGURE 8-37. BOOM CABLE - LOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001206082	Ref	BOOM CABLE	C
2	4460865	1	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	10	Socket, Female	
5	4460509	4	Socket, Female	
6	4460466	10	Plug, Socket	
7	4460866	1	Connector - 19 Position	
8	4460508	4	Pin, Male	
9	4460464	10	Pin, Male	

FIGURE 8-38. BOOM CABLE - UPPER (600S)

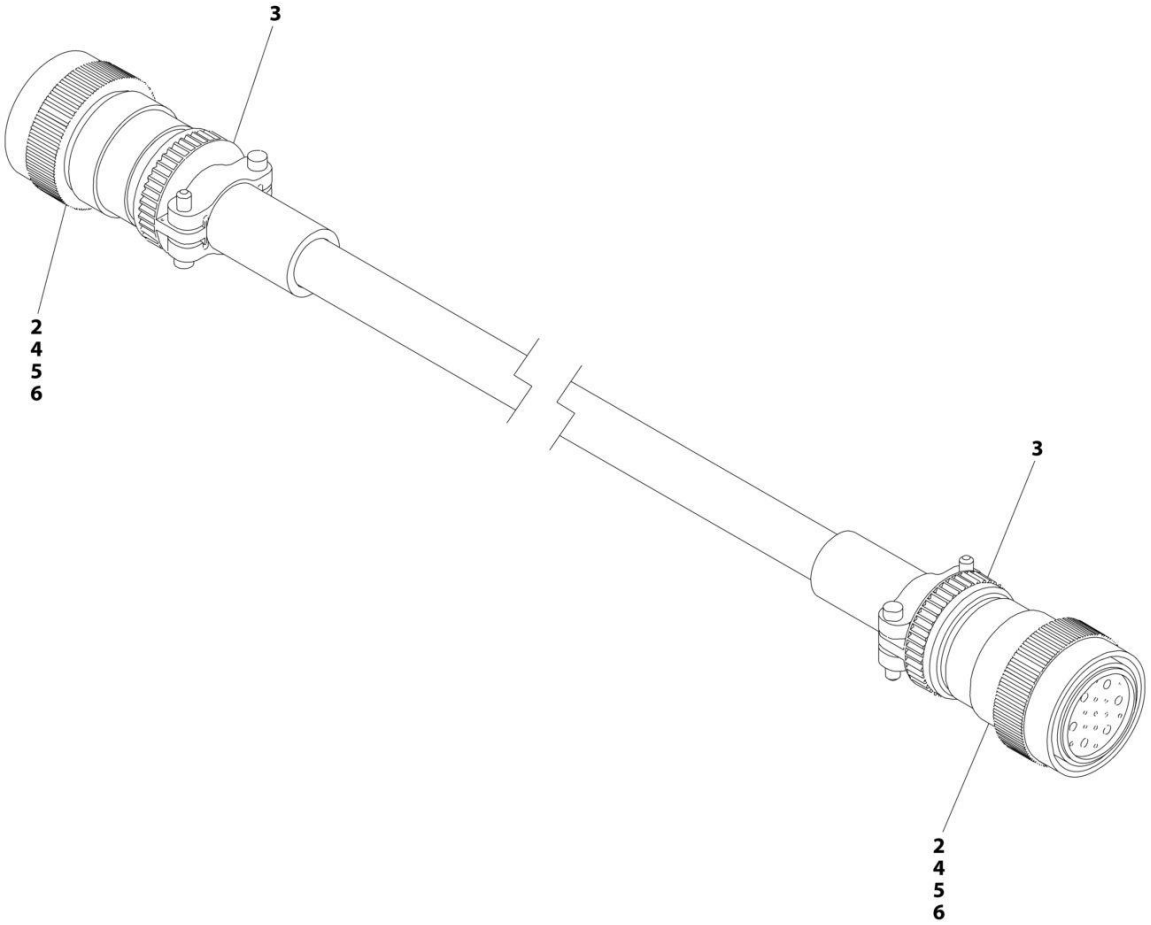


FIGURE 8-38. BOOM CABLE - UPPER (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188533	Ref	BOOM CABLE	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	2	Heat Shrink (Not Shown)	

FIGURE 8-39. BOOM CABLE - UPPER (660SJ)

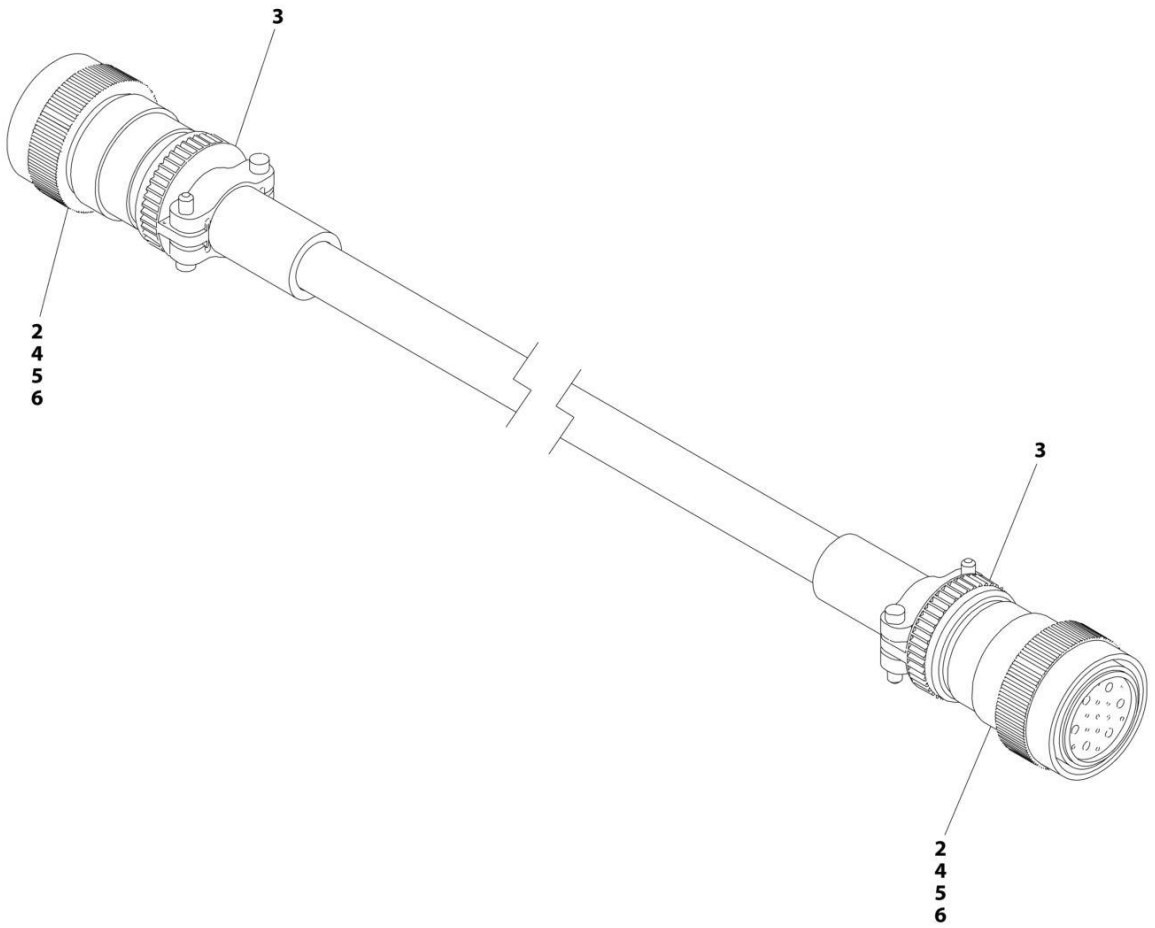


FIGURE 8-39. BOOM CABLE - UPPER (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188534	Ref	BOOM CABLE	C
2	4460865	2	Connector - 19 Position	
3	4460473	2	Clamp	
4	4460465	20	Socket, Female	
5	4460509	8	Socket, Female	
6	4460466	10	Plug, Socket	
7	1001226400	2	Heat Shirnk (Not Shown)	

FIGURE 8-40. CAPACITY PROXIMITY HARNESS

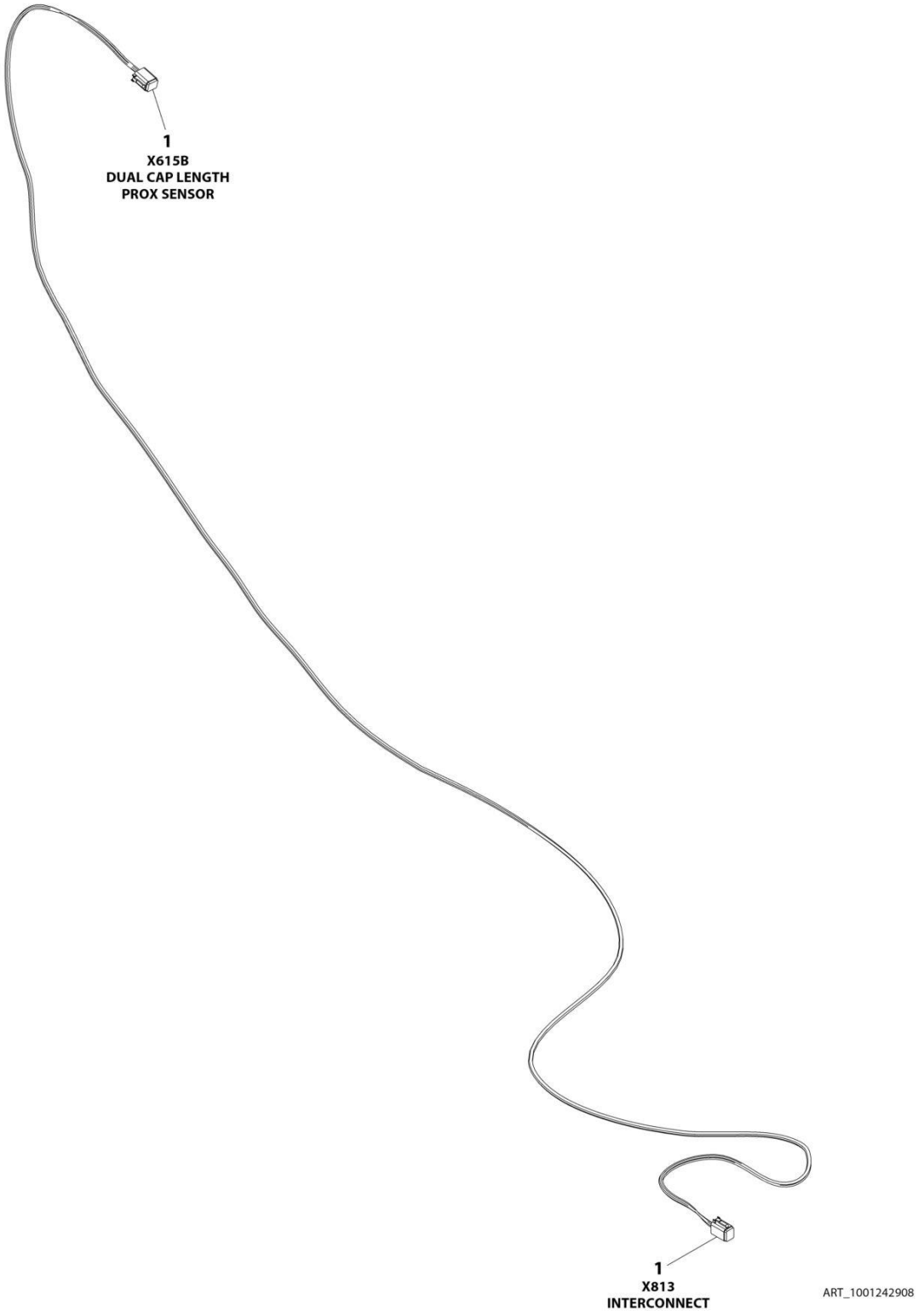


FIGURE 8-40. CAPACITY PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001242908	Ref	CAPACITY PROXIMITY HARNESS	B
1	4460894	2	Plug, Male - 6 Position	
1	4460465	12	Socket, Female	

FIGURE 8-41. CAPACITY PROXIMITY HARNESS

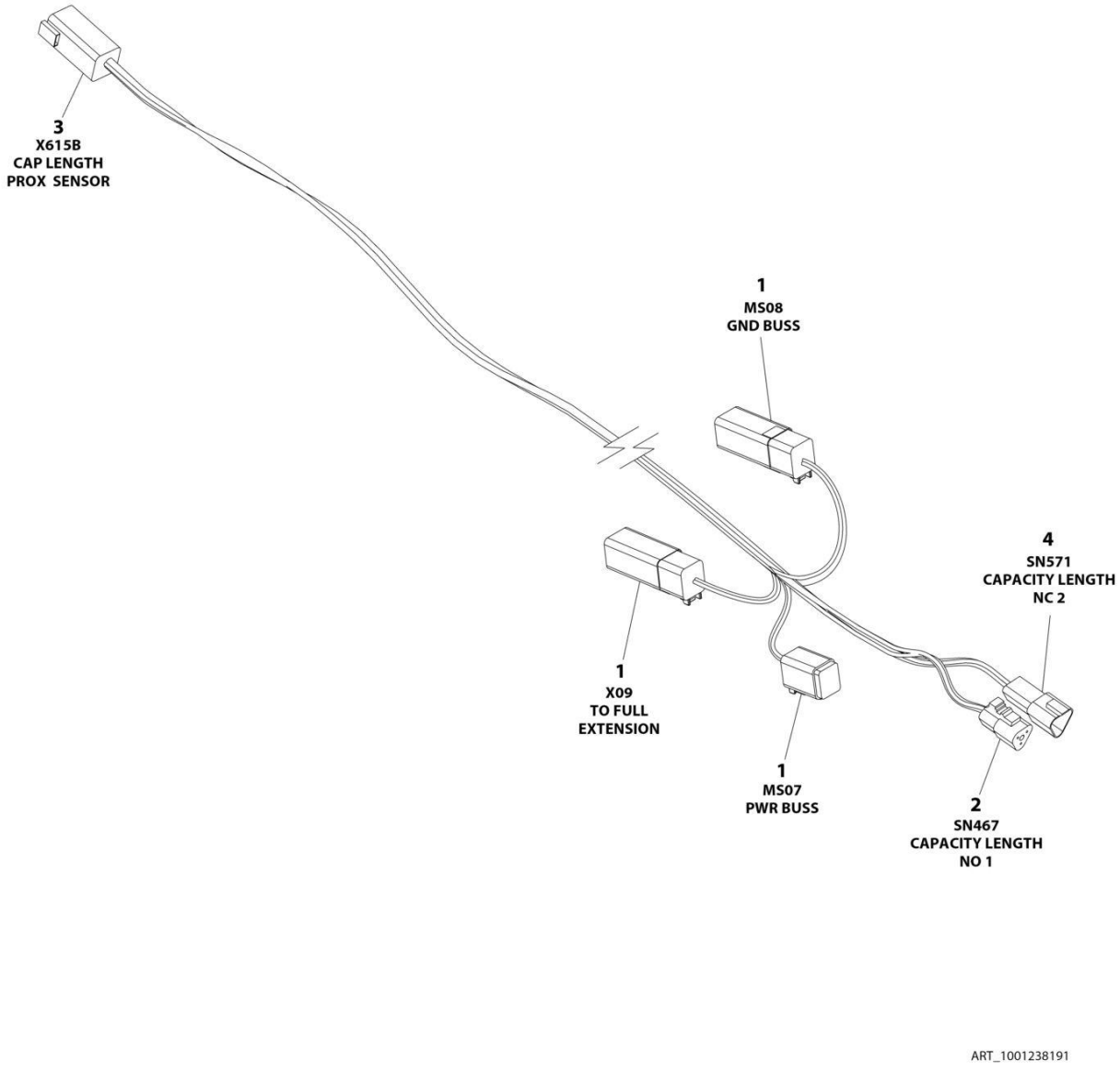


FIGURE 8-41. CAPACITY PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238191	Ref	CAPACITY PROXIMITY HARNESS	D
1	4460894	3	Plug, Male - 6 Position	
1	4460465	16	Socket, Female	
1	4460466	2	Plug, Terminal	
1	4460892	2	Bussbar - 6 Position	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460899	1	Receptacle, Female - 6 Position	
3	4460464	6	Pin, Male	
4	4460536	1	Receptacle, Female - 3 Position	
4	4640464	3	Pin, Male	

FIGURE 8-42. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (600S)

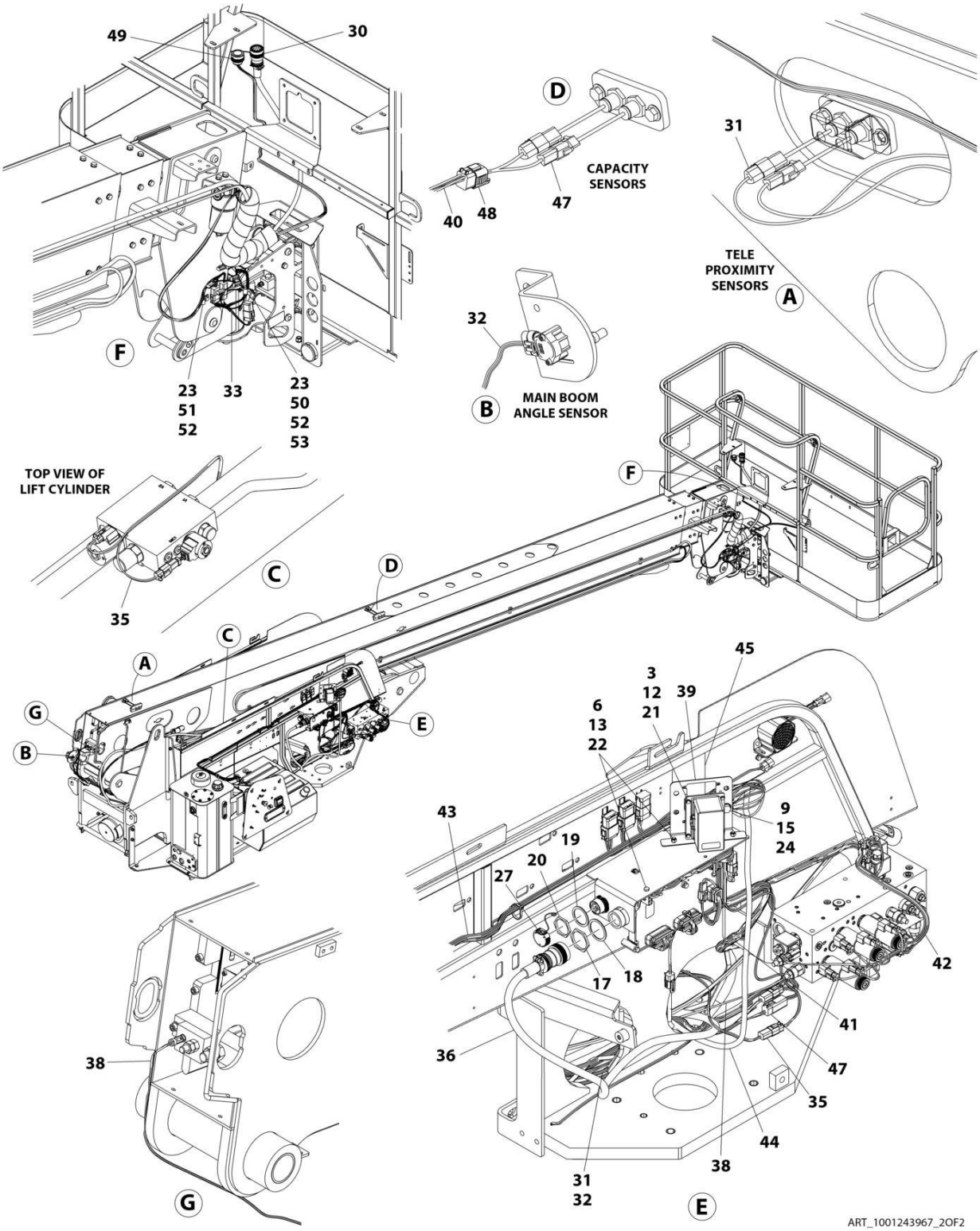


FIGURE 8-42. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243967	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
3	0700412	4	Bolt M4 x 25	
6	0760608	5	Bolt M6 x 16	
9	0761014	1	Bolt M10 x 30	
12	3290405	4	Nut M4	
13	3290605	5	Nut M6	
15	3291001	1	Nut M10	
16	4240099	AR	Tie-Strap (Not Shown)	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460496	1	Washer, Terminal	
20	4460497	1	Nut, Terminal	
21	4811400	1	Washer M4	
22	4811700	AR	Washer M6	
23	4811900	2	Washer M8	
24	4812000	2	Washer M10	
27	1001106736	1	Cap, Dust	
30	1001188533	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
32	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
33	1001266276	1	Valve Harness - Platform Valve (See Separate Breakdown in this Section)	
35	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
36	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001227527	1	Service Cable	
39	1001237822	1	Plate, Fuse Box	
40	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
41	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
42	1001238407	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
43	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
44	1001239290	1	UGM Ground Cable	
45	1001239512	1	Decal - Fuse Box	
47	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
48	1001213448	1	Cap, Dust	
49	1001266277	1	Cable, Platform Valve	
50	1001149160	1	Nut M8	
51	0760808	1	Bolt M8 x 16	
52	8406110	2	Clip	
53	0760810	1	Bolt M8 x 20	

FIGURE 8-43. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

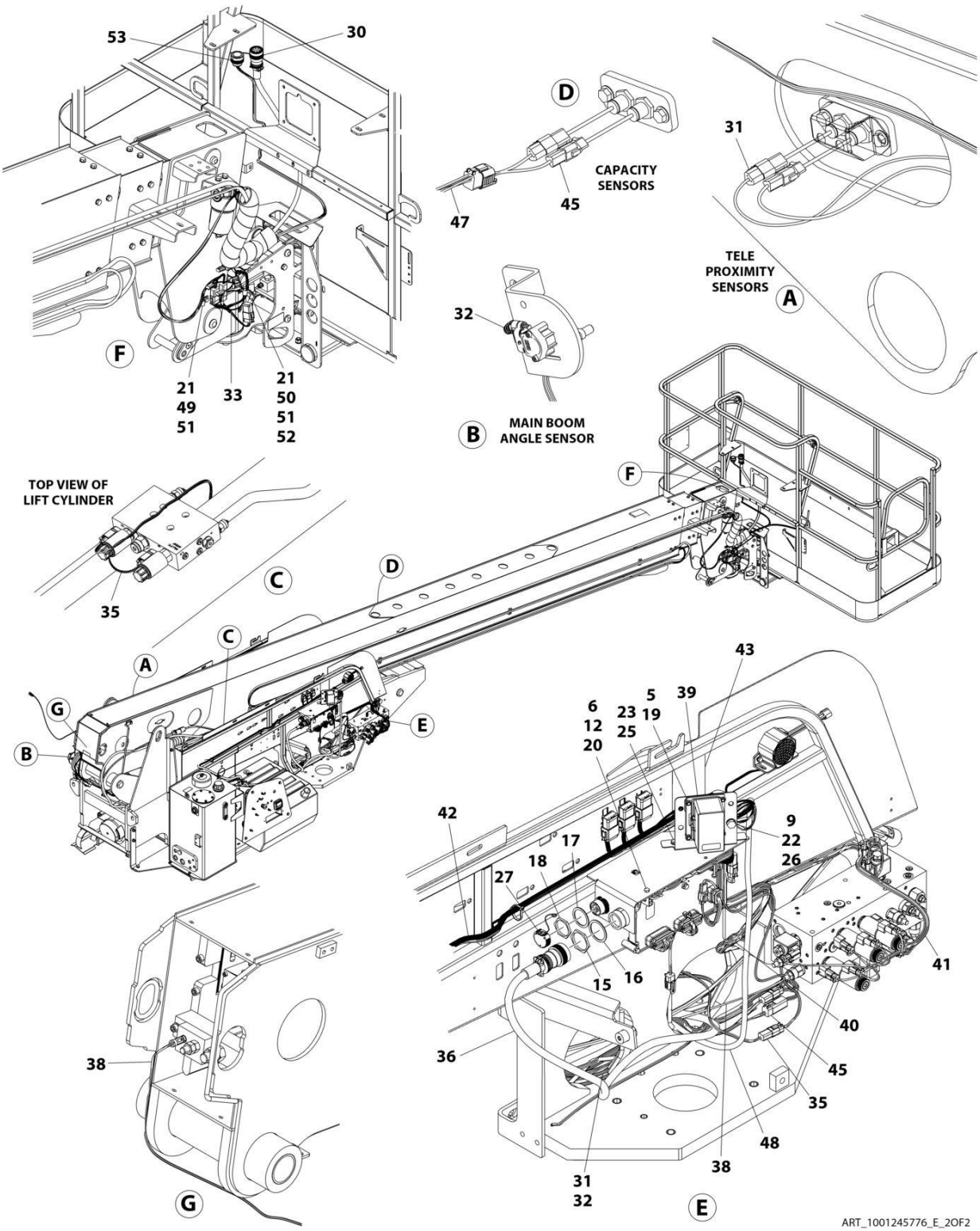


FIGURE 8-43. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245776	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
5	0731005	4	Screw #10 x 5/8	
6	0760608	1	Bolt M6 x 16	
9	0761012	1	Bolt M10 x 25	
12	3290605	1	Nut M6	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460470	1	Nut, Terminal	
16	4460471	1	Washer, Terminal	
17	4460496	1	Washer, Terminal	
18	4460497	1	Nut, Terminal	
19	4711000	4	Washer #10	
20	4811700	AR	Washer M6	
21	4811900	2	Washer M8	
22	4812000	1	Washer M10	
23	5250608	2	Bolt M6 x 16	
25	5260600	3	Nut M6	
26	5261000	1	Nut M10	
27	1001106736	1	Cap, Dust	
30	1001188533	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
32	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
33	1001266276	1	Valve Harness - Platform Valve (See Separate Breakdown in this Section)	
35	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
36	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001227527	1	Service Cable	
39	1001237822	1	Plate, Fuse Box	
40	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
41	1001238407	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
42	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
43	1001239512	1	Decal - Fuse Box	
45	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
47	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
48	1001239290	1	UGM Ground Cable	
49	0760808	1	Bolt M8 x 16	
50	0760810	1	Bolt M8 x 20	
51	8406110	2	Clip	
52	1001149160	1	Nut M8	
53	1001266277	1	Cable, Platform Valve (W/O Jib)	

FIGURE 8-44. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (600S)

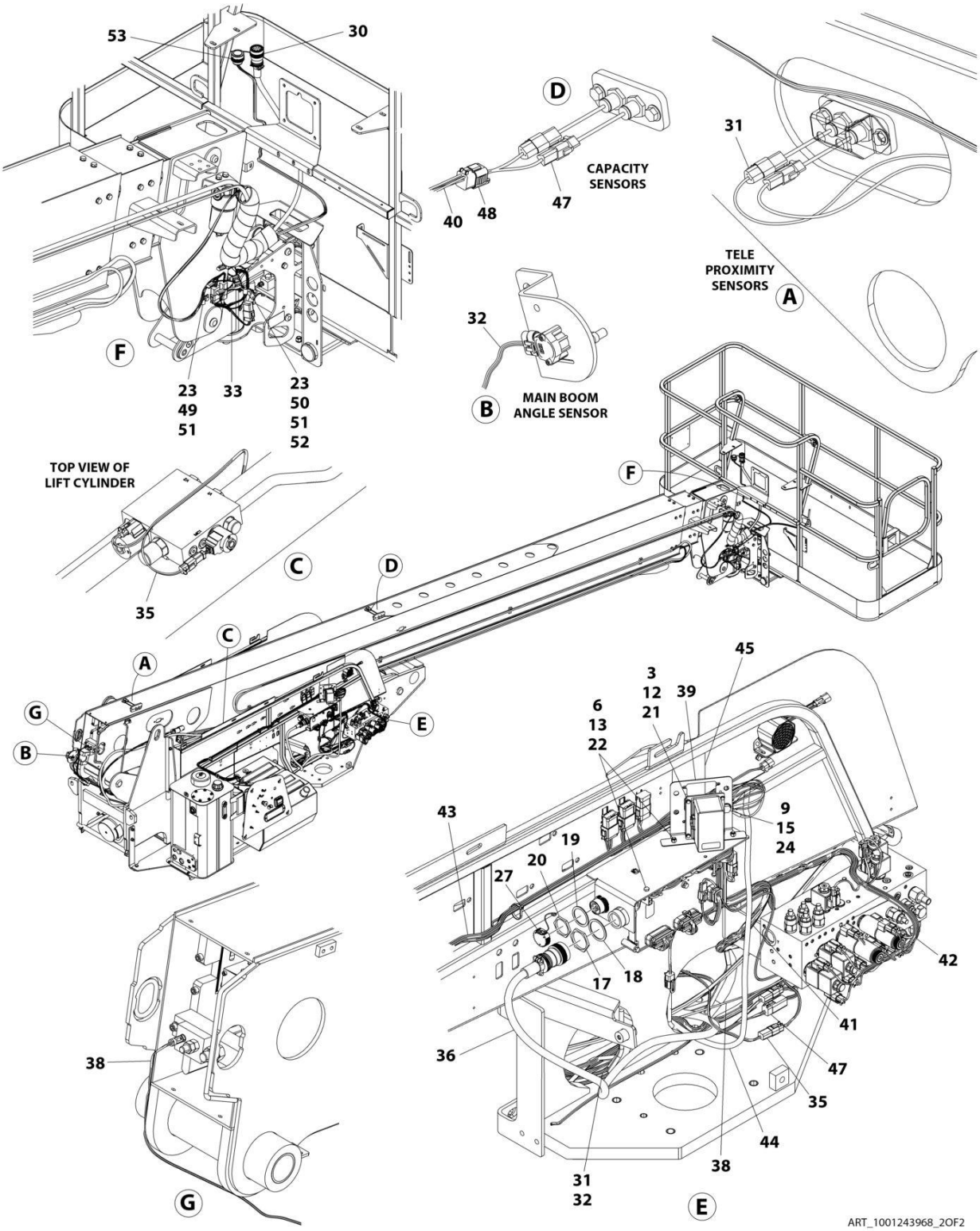


FIGURE 8-44. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243968	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
3	0700412	4	Bolt M4 x 25	
6	0760608	5	Bolt M6 x 16	
9	0761014	1	Bolt M10 x 30	
12	3290405	4	Nur M4	
13	3290605	5	Nut M6	
15	3291001	1	Nut M10	
16	4240099	17	Tie-Strap (Not Shown)	
17	4460470	1	Nut, Terminal	
18	4460471	1	Washer, Terminal	
19	4460496	1	Washer, Terminal	
20	4460497	1	Nut, Terminal	
21	4811400	8	Washer M4	
22	4811700	AR	Washer M6	
23	4811900	2	Washer M8	
24	4812000	2	Washer M10	
27	1001106736	1	Cap, Dust	
30	1001188533	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
32	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
33	1001266276	1	Valve Harness - Platform Valve (See Separate Breakdown in this Section)	
35	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
36	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001227527	1	Service Cable	
39	1001237822	1	Plate	
40	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
41	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
42	1001238406	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
43	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
44	1001239290	1	UGM Ground Cable	
45	1001239512	1	Decal - Fuse Box	
47	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
48	1001213448	1	Cap, Dust	
49	0760808	1	Bolt M8 x 16	
50	0760810	1	Bolt M8 x 20	
51	8406110	2	Clip	
52	1001149160	1	Nut M8	
53	1001266277	1	Cable, Platform Valve (W/O Jib)	

FIGURE 8-45. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

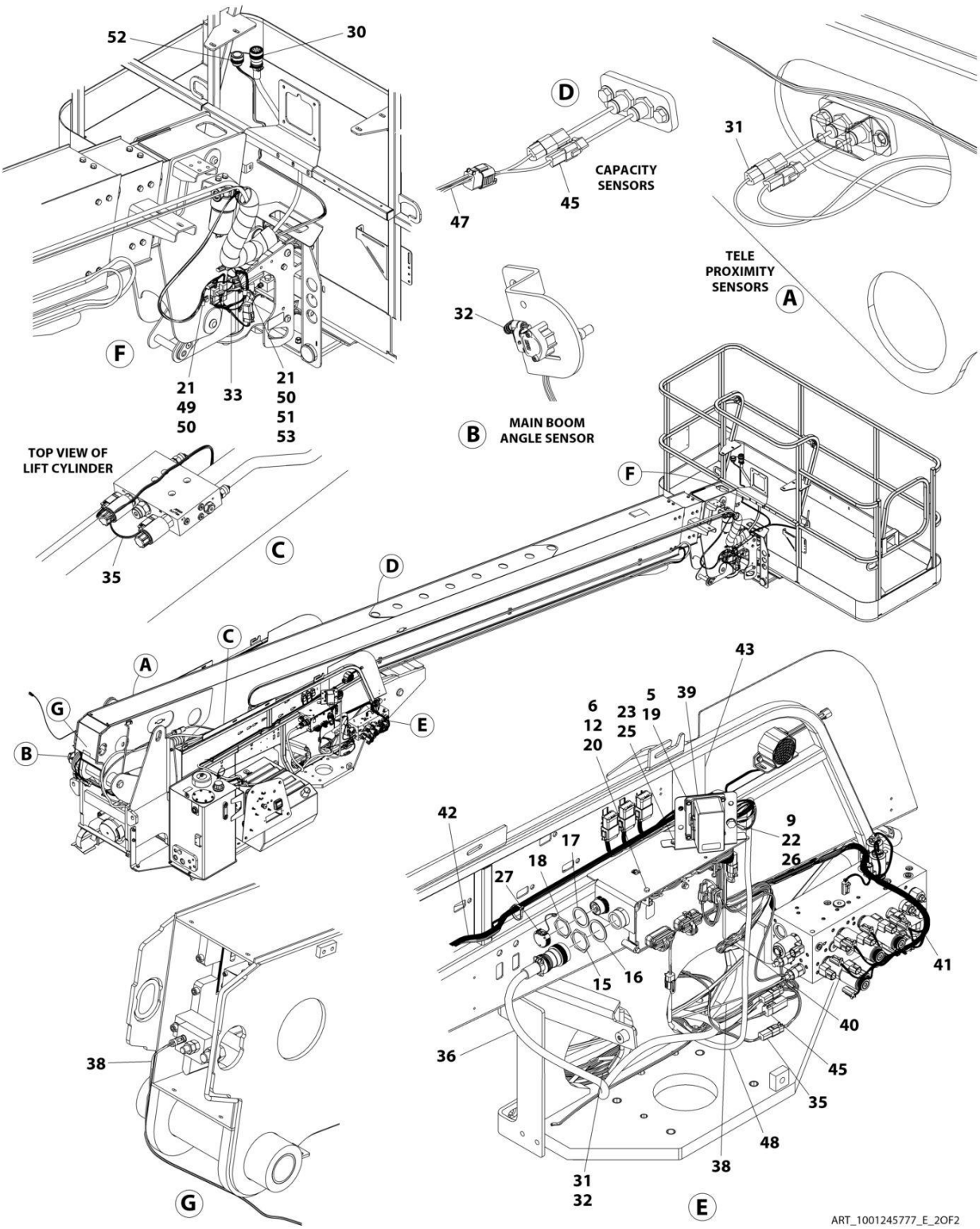


FIGURE 8-45. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245777	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
5	0731005	4	Screw #10 x 5/8	
6	0760608	1	Bolt M6 x 16	
9	0761012	1	Bolt M10 x 25	
12	3290605	1	Nut M6	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460470	1	Nut, Terminal	
16	4460471	1	Washer, Terminal	
17	4460496	1	Washer, Terminal	
18	4460497	1	Nut, Terminal	
19	4711000	4	Washer #10	
20	4811700	AR	Washer M6	
21	4811900	2	Washer M8	
22	4812000	1	Washer M10	
23	5250608	2	Bolt M6 x 16	
25	5260600	3	Nut M6	
26	5261000	1	Nut M10	
27	1001106736	1	Cap, Dust	
30	1001188533	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
31	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
32	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
33	1001266276	1	Valve Harness - Platform Valve (See Separate Breakdown in this Section)	
35	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
36	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
38	1001227527	1	Service Cable	
39	1001237822	1	Plate	
40	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
41	1001238406	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
42	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
43	1001239512	1	Decal - Fuse Box	
45	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
47	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
48	1001239290	1	UGM Ground Cable	
49	0760808	1	Bolt M8 x 16	
50	8406110	2	Clip	
51	1001149160	1	Nut M8	
52	1001266277	1	Cable, Platform Valve W/O Jib	
53	0760810	1	Bolt M8 x 20	

FIGURE 8-46. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (660SJ)

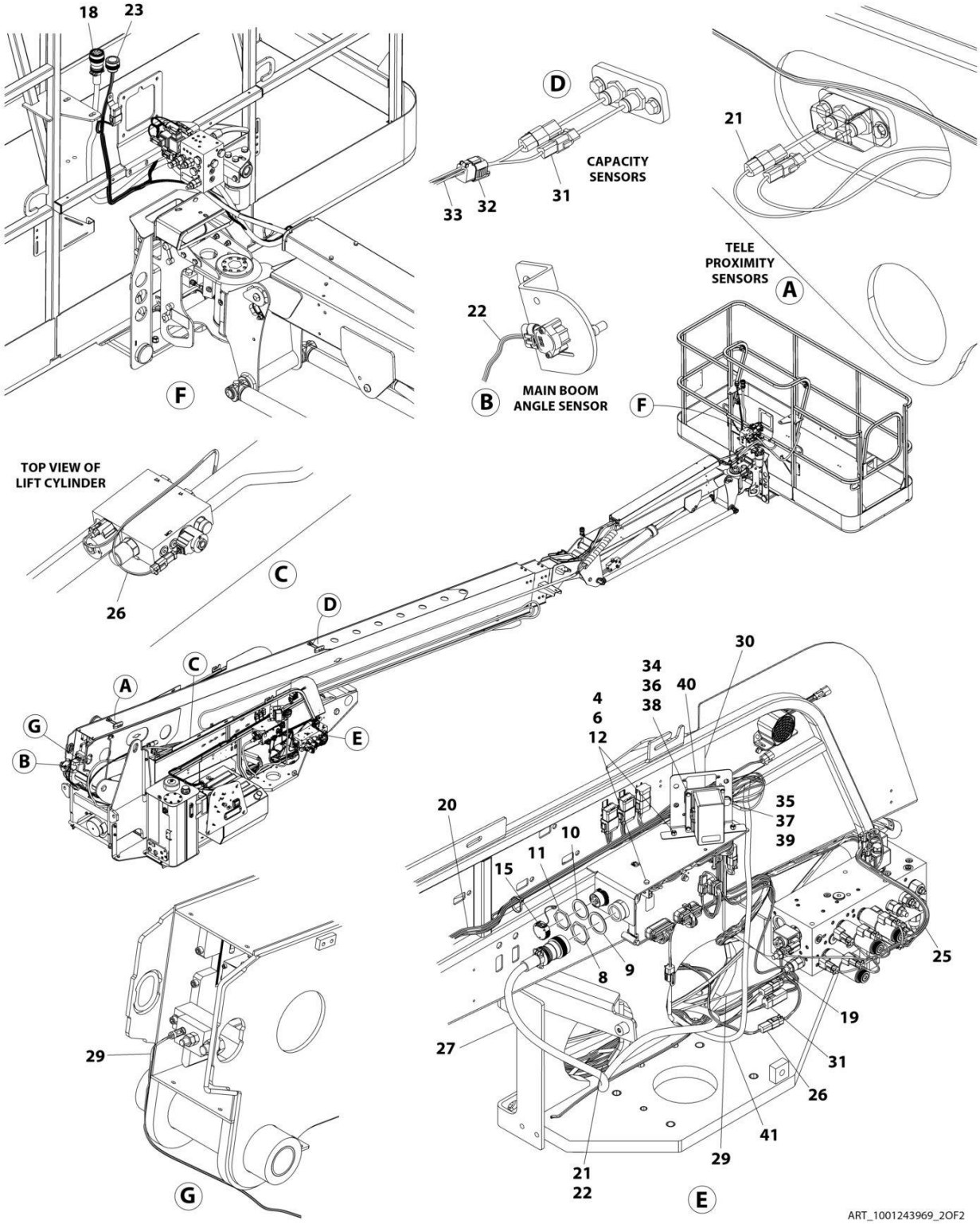


FIGURE 8-46. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243969	Ref	ELECTRICAL COMPONENTS INSTALLATION	F
4	0760608	5	Bolt M6 x 16	
6	3290605	5	Nut M6	
7	4240099	AR	Tie-Strap (Not Shown)	
8	4460470	1	Nut, Terminal	
9	4460471	1	Washer, Terminal	
10	4460496	1	Washer, Terminal	
11	4460497	1	Nut, Terminal	
12	4811700	17	Washer M6	
15	1001106736	1	Cap, Dust	
18	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
19	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
20	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
21	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
22	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
23	1001264338	1	Valve Harness - Platform Valve (A92.20) (See Separate Breakdown in this Section)	
25	1001238407	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
26	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
27	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
29	1001227527	1	Service Cable	
30	1001239512	1	Decal - Fuse Box	
31	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
32	1001213448	1	Cap, Dust	
33	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
34	0700412	4	Bolt M4 x 25	
35	0761014	1	Bolt M10 x 30	
36	3290405	4	Nut M4 x 0.7	
37	3291001	1	Nut M10 x 1.5	
38	4811400	8	Washer M4	
39	4812000	2	Washer M10	
40	1001237822	1	Plate	
41	1001239290	1	UGM Ground Cable	

FIGURE 8-47. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

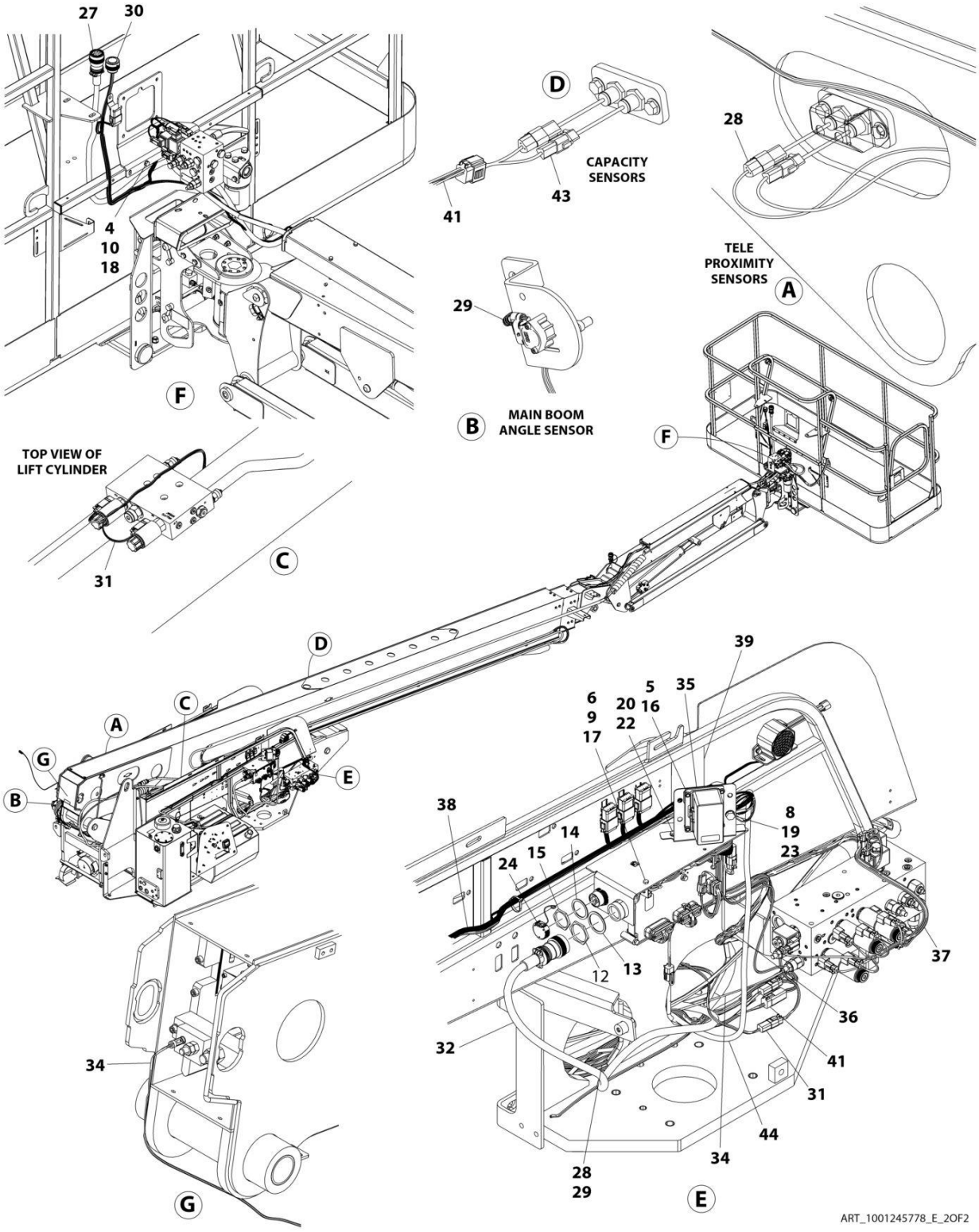


FIGURE 8-47. ELECTRICAL COMPONENTS INSTALLATION - WITH 2WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245778	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
4	0700819	1	Bolt M8 x 55	
5	0731005	4	Screw #10 x 5/8	
6	0760608	1	Bolt M6 x 16	
8	0761012	1	Bolt M10 x 25	
9	3290605	1	Nut M6	
10	3290805	1	Nut M8	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4460470	1	Nut, Terminal	
13	4460471	1	Washer, Terminal	
14	4460496	1	Washer, Terminal	
15	4460497	1	Nut, Terminal	
16	4711000	4	Washer #10	
17	4811700	4	Washer M6	
18	4811900	2	Washer M8	
19	4812000	1	Washer M10	
20	5250608	2	Bolt M6 x 16	
22	5260600	3	Nut M6	
23	5261000	1	Nut M10	
24	1001106736	1	Cap, Dust	
27	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
28	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
29	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
30	1001264338	1	Valve Harness - Platform Valve (A92.20) (See Separate Breakdown in this Section)	
31	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
32	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
34	1001227527	1	Service Cable	
35	1001237822	1	Plate	
36	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
37	1001238407	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
38	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
39	1001239512	1	Decal - Fuse Box	
41	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
43	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
44	1001239290	1	UGM Ground Cable	

FIGURE 8-48. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (660SJ)

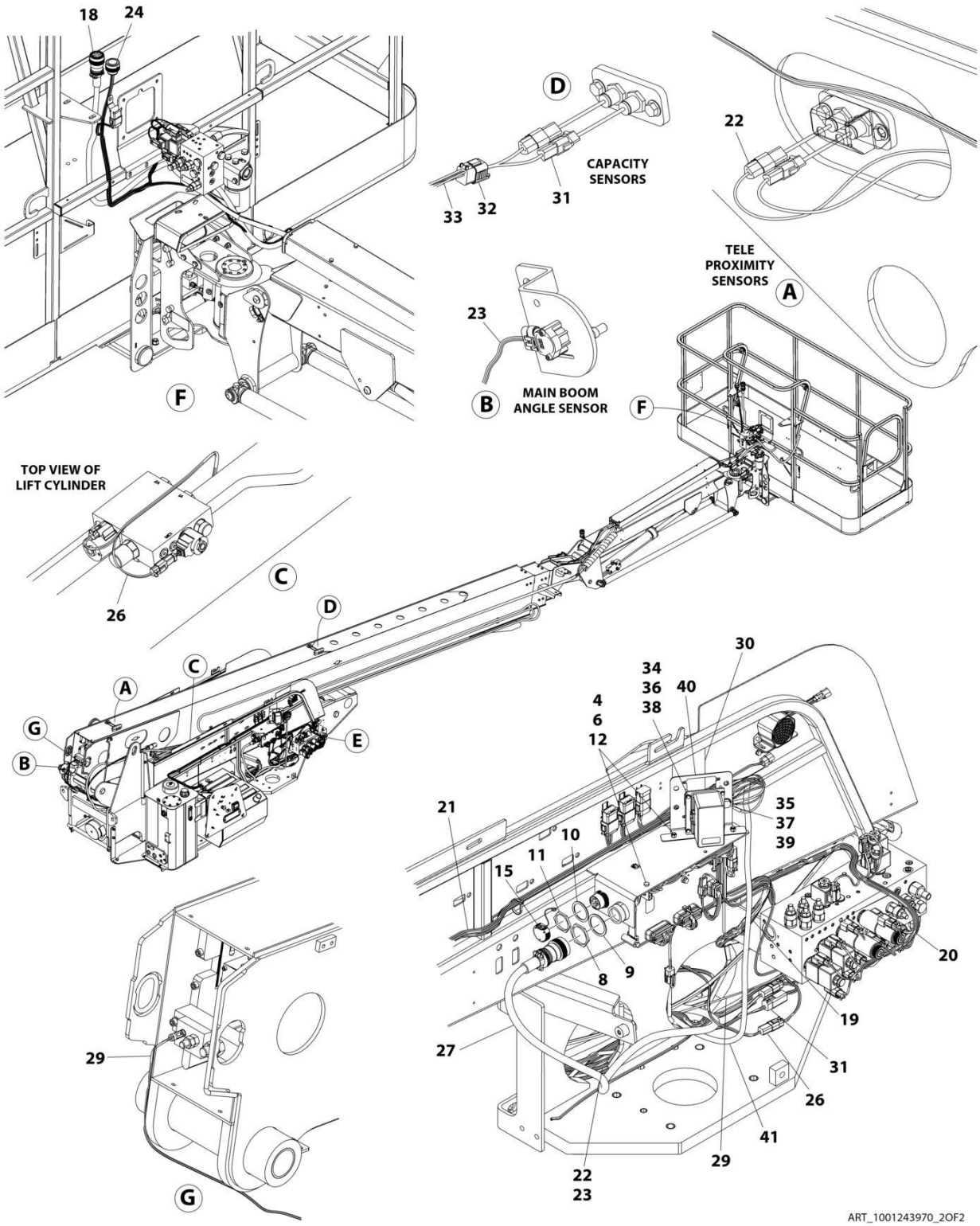


FIGURE 8-48. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243970	Ref	ELECTRICAL COMPONENTS INSTALLATION	F
3	0700619	5	Bolt M6 x 55	
4	0760608	5	Bolt M6 x 16	
6	3290605	5	Nut M6	
7	4240099	AR	Tie-Strap (Not Shown)	
8	4460470	1	Nut, Terminal	
9	4460471	1	Washer, Terminal	
10	4460496	1	Washer, Terminal	
11	4460497	1	Nut, Terminal	
12	4811700	17	Washer M6	
15	1001106736	1	Cap, Dust	
18	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
19	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
20	1001238406	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
21	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
22	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
23	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
24	1001264338	1	Valve Harness - Platform Valve (A92.20) (See Separate Breakdown in this Section)	
26	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
27	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
29	1001227527	1	Service Cable	
30	1001239512	1	Decal - Fuse Box	
31	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
32	1001213448	1	Cap, Dust	
33	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
34	0700412	4	Bolt M4 x 25	
35	0761014	1	Bolt M10 x 30	
36	3290405	4	Nur M4	
37	3291001	1	Nut M10	
38	4811400	8	Washer M4	
39	4812000	2	Washer M10	
40	1001237822	1	Plate	
41	1001239290	1	UGM Ground Cable	

FIGURE 8-49. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

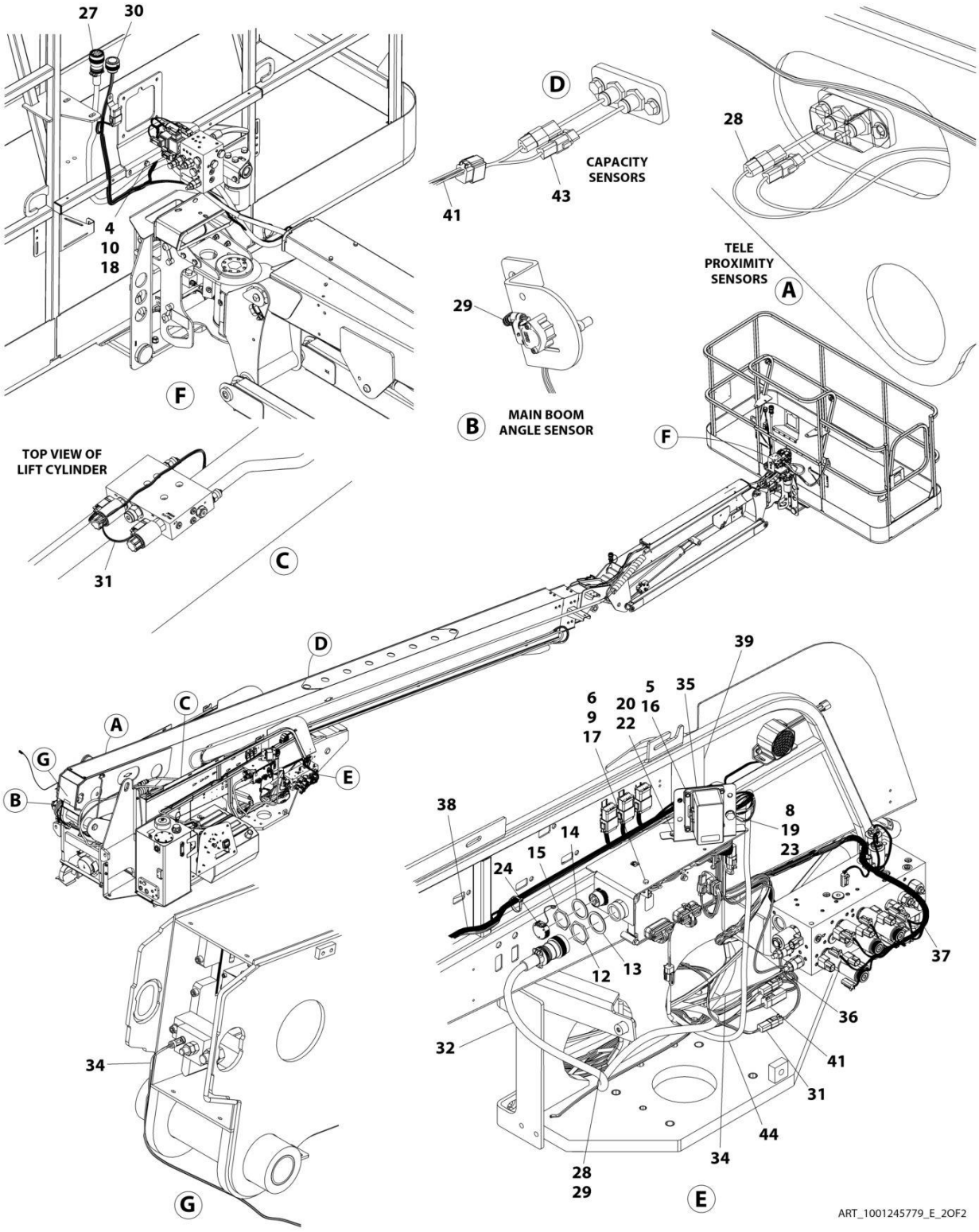


FIGURE 8-49. ELECTRICAL COMPONENTS INSTALLATION - WITH 4WS AND DEUTZ TD2.2L3 (STAGE V) ENGINE (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245779	Ref	ELECTRICAL COMPONENTS INSTALLATION	E
4	0700819	1	Bolt M8 x 55	
5	0731005	4	Screw #10 x 5/8	
6	0760608	1	Bolt M6 x 16	
8	0761012	1	Bolt M10 x 25	
9	3290605	1	Nut M6	
10	3290805	1	Nut M8	
11	4240099	AR	Tie-Strap (Not Shown)	
12	4460470	1	Nut, Terminal	
13	4460471	1	Washer, Terminal	
14	4460496	1	Washer, Terminal	
15	4460497	1	Nut, Terminal	
16	4711000	4	Washer #10	
17	4811700	4	Washer M6	
18	4811900	2	Washer M8	
19	4812000	1	Washer M10	
20	5250608	2	Bolt M6 x 16	
22	5260600	3	Nut M6	
23	5261000	1	Nut M10	
24	1001106736	1	Cap, Dust	
27	1001188534	1	Boom Cable - Upper (See Separate Breakdown in this Section)	
28	1001189003	1	Tele Proximity Harness (See Separate Breakdown in this Section)	
29	1001189005	1	Boom Angle Sensor Harness (See Separate Breakdown in this Section)	
30	1001264338	1	Valve Harness - Platform Valve (A92.20) (See Separate Breakdown in this Section)	
31	1001205923	1	Lift Cylinder Harness (See Separate Breakdown in this Section)	
32	1001206082	1	Boom Cable - Lower (See Separate Breakdown in this Section)	
34	1001227527	1	Service Cable	
35	1001237822	1	Plate	
36	1001238405	1	Turntable Harness (See Separate Breakdown in this Section)	
37	1001238406	1	Valve Harness - Main Valve (See Separate Breakdown in this Section)	
38	1001238408	1	Ground Control Harness (See Separate Breakdown in this Section)	
39	1001239512	1	Decal - Fuse Box	
41	1001242908	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
43	1001238191	1	Capacity Proximity Harness (See Separate Breakdown in this Section)	
44	1001239290	1	UGM Ground Cable	

FIGURE 8-50. ENGINE HARNESS - DEUTZ D2011 ENGINES

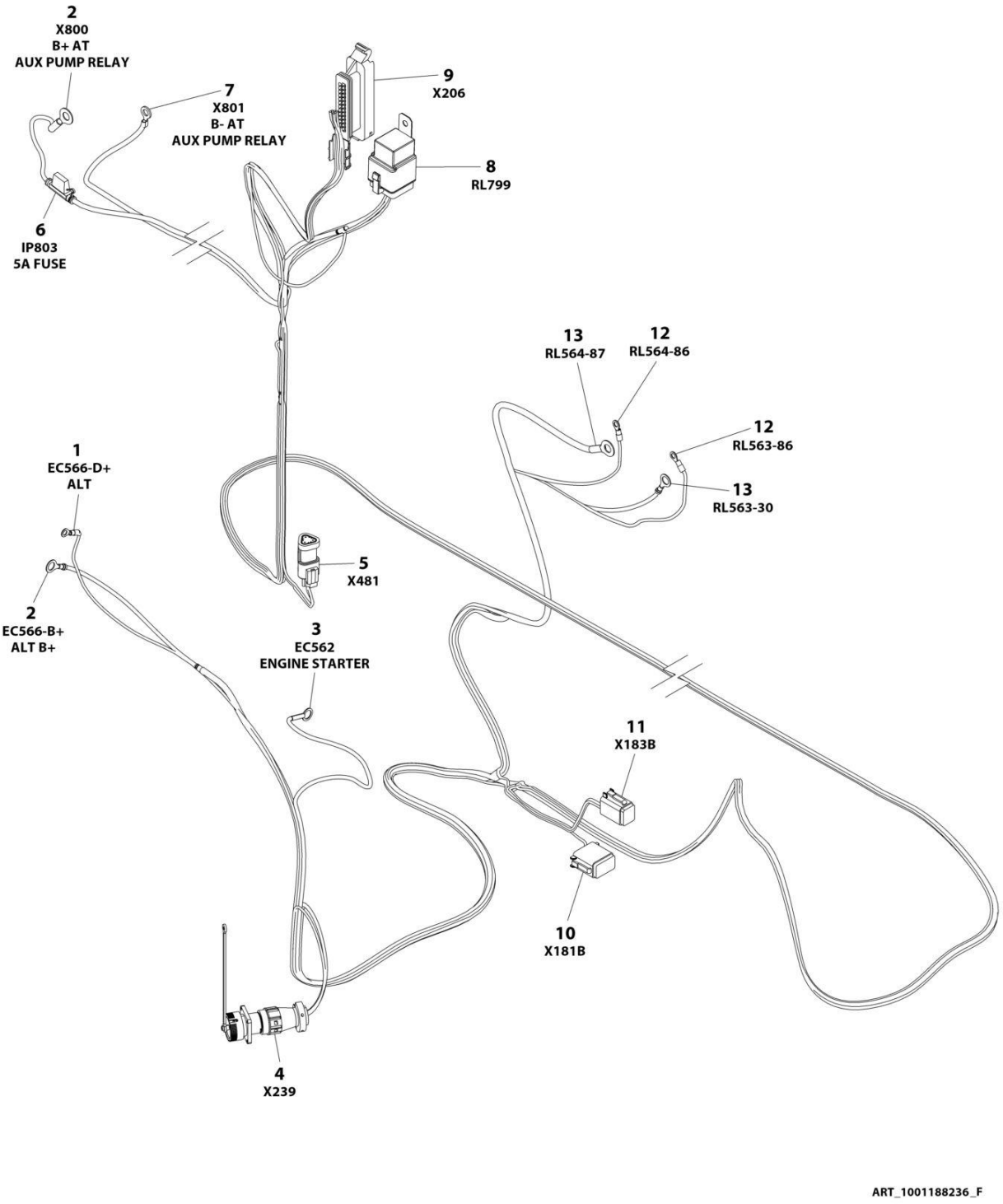
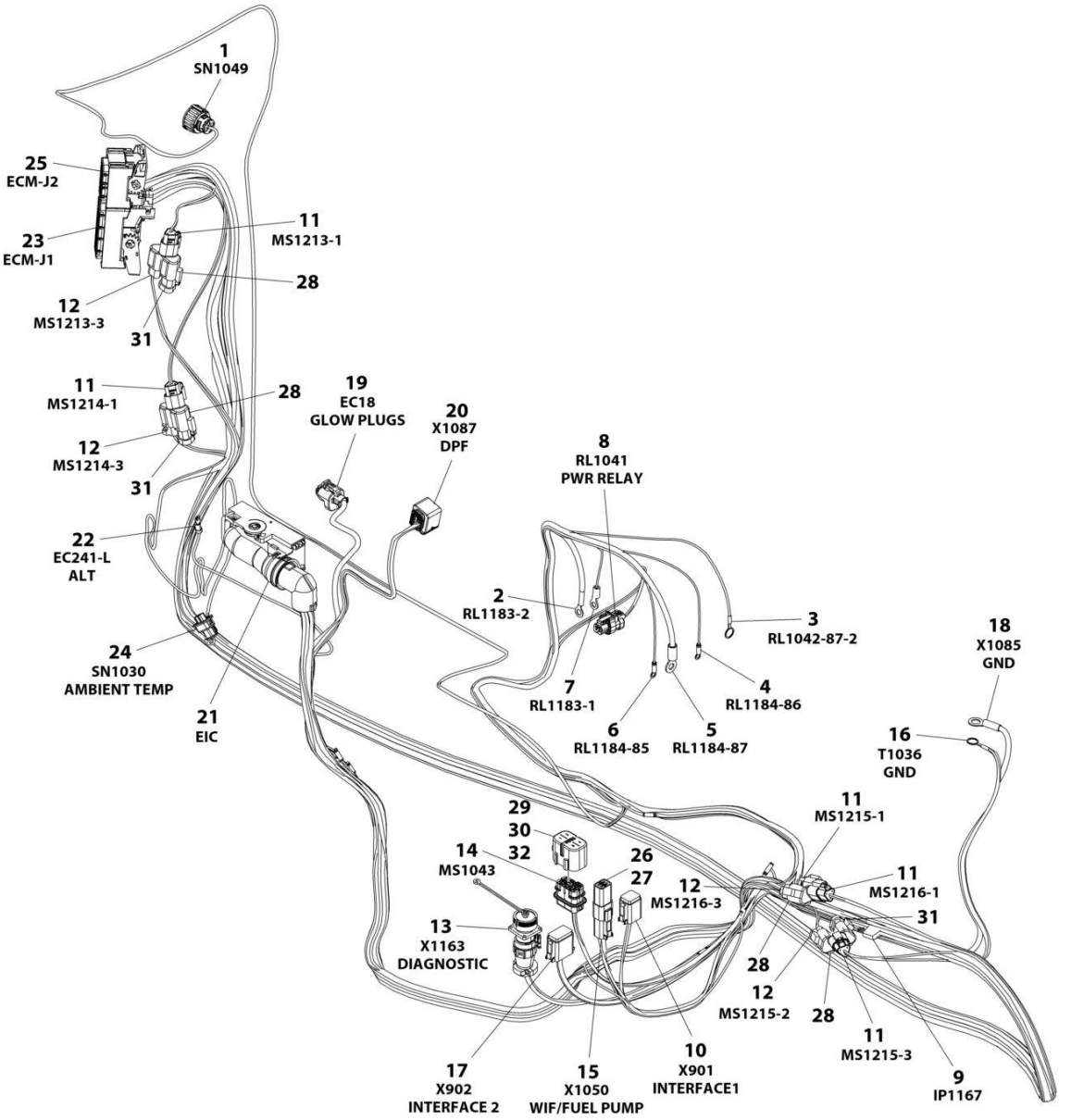


FIGURE 8-50. ENGINE HARNESS - DEUTZ D2011 ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188236	Ref	ENGINE HARNESS	F
1	4460042	1	Terminal, Ring	
2	8220045	2	Terminal, Ring	
3	4460142	1	Terminal, Ring	
4	2902443	1	Receptacle Kit	
4	4461073	1	Cap, Dust	
5	4461095	1	Plug, Male - 3 Position	
5	4460944	2	Socket, Female	
5	4460466	1	Plug, Terminal	
5	4461070	1	Receptacle, Female - 3 Position	
5	4460943	3	Pin, Male	
6	2600066	2	Fuseholder with 5Amp Fuse	
6	See Note	NSS	Fuse - 5Amp (Note: Purchase Locally)	
7	4460312	1	Terminal, Ring	
8	1001117025	1	Plug, Relay	
8	1001116734	1	Terminal	
8	1001116732	3	Terminal	
8	1001128128	1	Plug, Terminal	
9	4461052	1	Connector - 25 Position	
9	4461060	1	Terminal	
9	4461005	6	Terminal	
9	4461008	18	Plug, Terminal	
9	4461054	1	Seal	
9	4461006	6	Seal	
9	4461053	1	Cover	
10	4460930	1	Plug, Male - 8 Position	
10	4460465	8	Socket, Female	
10	4460466	7	Plug, Terminal	
11	4460894	1	Plug, Male - 6 Position	
11	4460465	3	Socket, Female	
11	4460944	2	Socket, Female	
11	4460466	1	Plug, Terminal	
12	4460313	2	Terminal, Ring	
13	8220164	2	Terminal, Ring	

FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE



ART_1001253798

FIGURE 8-51. ENGINE HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001253798	Ref	ENGINE HARNESS	D
1	1001133714	1	Connector - 4 Position	
1	1001133715	3	Terminal	
1	1001135651	1	Plug, Terminal	
1	1001135650	3	Seal	
2	1001117106	1	Terminal, Ring	
3	4460703	1	Terminal, Ring	
4	4460247	1	Terminal, Ring	
5	1001117107	1	Terminal, Ring	
6	4460247	1	Terminal, Ring	
7	4460043	1	Terminal, Ring	
8	1001116952	1	Plug, Male - 2 Position	
8	4460465	2	Socket, Female	
9	1001170764	1	Holder, Fuse	
9	1001197719	1	Resistor 0.5 Watt	
10	4460894	1	Plug, Male - 6 Position	
10	4460465	2	Socket, Female	
10	4460944	2	Socket, Female	
10	4460466	2	Plug, Terminal	
11	1001116812	5	Connector, 3 Position	
11	4460944	10	Socket, Female	
11	4460466	5	Plug, Terminal	
12	4460539	4	Plug, Male - 3 Position	
12	4460944	8	Socket, Female	
12	4460466	4	Plug, Terminal	
13	2902443	1	Receptacle Kit	
13	4461071	6	Terminal	
14	80484084	1	Plug, Male - 8 Position	
14	1001116728	4	Terminal	
14	1001116727	4	Plug, Terminal	
14	4460458	4	Plug, Terminal	
15	4460884	1	Plug, Male - 4 Position	
15	4460465	3	Socket, Female	
15	4460942	1	Socket, Female	
16	4460019	1	Terminal, Ring	
17	4460930	1	Plug, Male - 8 Position	
17	4460465	1	Socket, Female	
17	4460466	7	Plug, Terminal	
18	8220164	1	Terminal, Ring	
19	1001253873	1	Connector, 1 Position	
19	1001142940	1	Terminal	
19	1001142941	1	Seal	
20	1001239202	1	Connector - 8 Position	
20	1001126363	7	Terminal	
20	1001126391	1	Seal, Terminal	
20	1001126364	7	Seal, Terminal	
21	1001126362	1	Connector - 62 Position	
21	1001126363	37	Terminal	
21	1001126365	2	Terminal	
21	1001126391	9	Plug, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21	4461008	4	Plug, Terminal	
21	1001126392	10	Terminal	
21	1001126364	37	Seal, Terminal	
21	1001223459	10	Seal, Terminal	
21	4461054	2	Seal	
22	4460042	1	Terminal, Ring	
23	1001133956	1	Connector - 94 Position	
23	1001126351	3	Terminal	
23	1001182361	6	Terminal	
23	1001252527	4	Terminal	
23	1001230934	25	Terminal	
23	1001230935	55	Plug, Terminal	
23	1001230936	1	Plug, Terminal	
23	1001182365	6	Seal, Terminal	
24	1001126487	1	Connector - 2 Position	
24	1001167635	2	Terminal	
24	1001126485	2	Seal	
25	1001133957	1	Connector - 60 Position	
25	1001126351	11	Terminal	
25	1001230934	26	Terminal	
25	1001230935	10	Plug, Terminal	
25	1001230936	13	Plug, Terminal	
26	4460466	4	Plug, Terminal	
27	4460932	1	Receptacle, Bussbar - 4 Position	
28	4460945	4	Connector, 3-Way Tee	
29	8229242	1	Fuse 5Amp	
30	80983191	1	Fuse, 10Amp	
31	1001116815	3	Plug, Male - 3 Position	
32	1001147264	1	Cap	

FIGURE 8-52. ENGINE HARNESS - DEUTZ D2.9L4 - 49HP AND DEUTZ TD2.9L4 - 67HP ENGINES

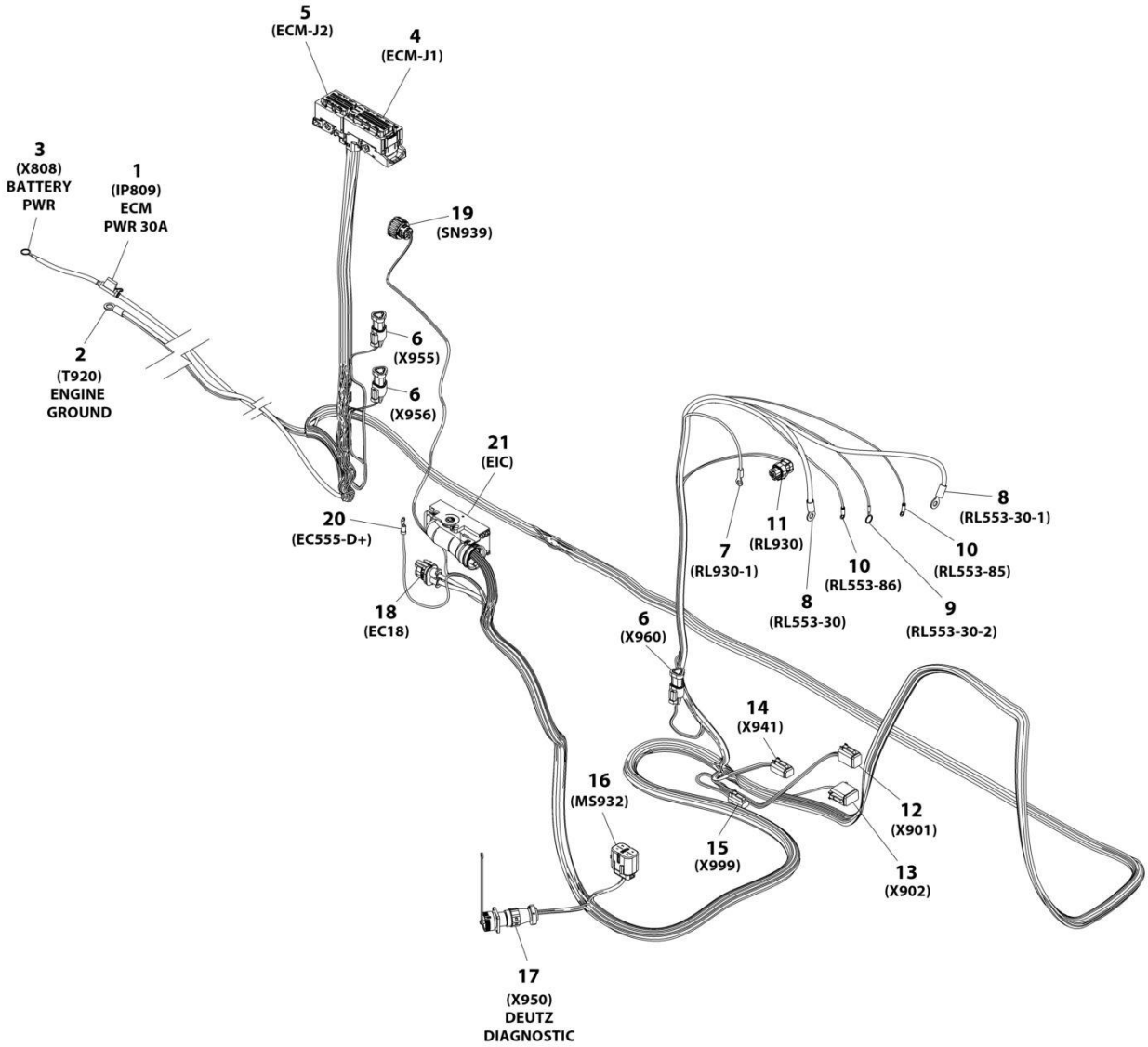


FIGURE 8-52. ENGINE HARNESS - DEUTZ D2.9L4 - 49HP AND DEUTZ TD2.9L4 - 67HP ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233895	Ref	ENGINE HARNESS	H
1	1001172064	1	Fuseholder with 30Amp Fuse	
1	1001172065	1	Fuse - 30A	
2	8220115	1	Terminal, Ring	
3	4460019	1	Terminal, Ring	
4	1001133956	1	Connector - 94 Position	
4	1001182361	6	Terminal	
4	1001230934	17	Terminal	
4	1001126351	2	Terminal	
4	1001256507	4	Terminal	
4	1001230936	2	Plug, Terminal	
4	1001230935	63	Plug, Terminal	
4	1001182365	6	Seal, Terminal	
5	1001133957	1	Connector - 60 Position	
5	1001126351	13	Terminal	
5	1001230934	11	Terminal	
5	1001252527	4	Terminal	
5	1001256507	2	Terminal	
5	1001230936	11	Plug, Terminal	
5	1001230935	19	Plug, Terminal	
6	4461095	3	Plug, Male - 3 Position	
6	4460944	6	Socket, Female	
6	4460466	3	Plug, Terminal	
6	4461070	3	Receptacle, Female - 3 Position	
7	4460043	1	Terminal, Ring	
8	1001117107	2	Terminal, Ring	
9	4460703	1	Terminal, Ring	
10	4460313	2	Terminal, Ring	
11	1001116952	1	Plug, Male - 2 Position	
11	4460465	2	Socket, Female	
12	4460894	1	Plug, Male - 6 Position	
12	4460465	3	Socket, Female	
12	4460944	2	Socket, Female	
12	4460466	1	Plug, Terminal	
13	4460930	1	Plug, Male - 8 Position	
13	4460465	1	Socket, Female	
13	4460466	7	Plug, Terminal	
14	1001220379	1	Plug, Male - 4 Position	
14	4460465	2	Socket, Female	
14	4460942	2	Socket, Female	
15	4460891	1	Plug, Male - 4 Position	
15	4460465	2	Socket, Female	
16	80484084	1	Plug, Male - 8 Position	
16	8229242	1	Fuse - 5Amp	
16	80983191	1	Fuse - 10Amp	
16	4460746	3	Socket, Female	
16	1001234800	1	Socket, Female	
16	4460748	4	Plug, Terminal	
16	4460458	4	Plug, Terminal	
16	1001147264	1	Cap	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	2902443	1	Receptacle Kit	
17	4461073	1	Cap, Dust	
17	4461071	6	Terminal	
18	1001142938	1	Plug, Male - 2 Position	
18	1001142940	2	Terminal	
18	1001142941	2	Seal	
19	1001133714	1	Connector - 4 Position	
19	1001133715	3	Terminal	
19	1001135651	1	Plug, Terminal	
19	1001135650	3	Seal, Terminal	
20	4460042	1	Terminal, Ring	
21	1001126362	1	Connector - 62 Position	
21	1001126363	25	Terminal	
21	1001126392	10	Terminal	
21	1001126365	2	Terminal	
21	1001126391	21	Plug, Terminal	
21	4461008	4	Plug, Terminal	
21	1001223459	10	Seal	
21	4461054	2	Seal	
21	1001126364	23	Seal, Terminal	
21	1001256506	2	Seal, Terminal	
21	1001151856	1	Elbow	

FIGURE 8-53. ENGINE HARNESS - DEUTZ D2.9 (CHINA IV) ENGINES

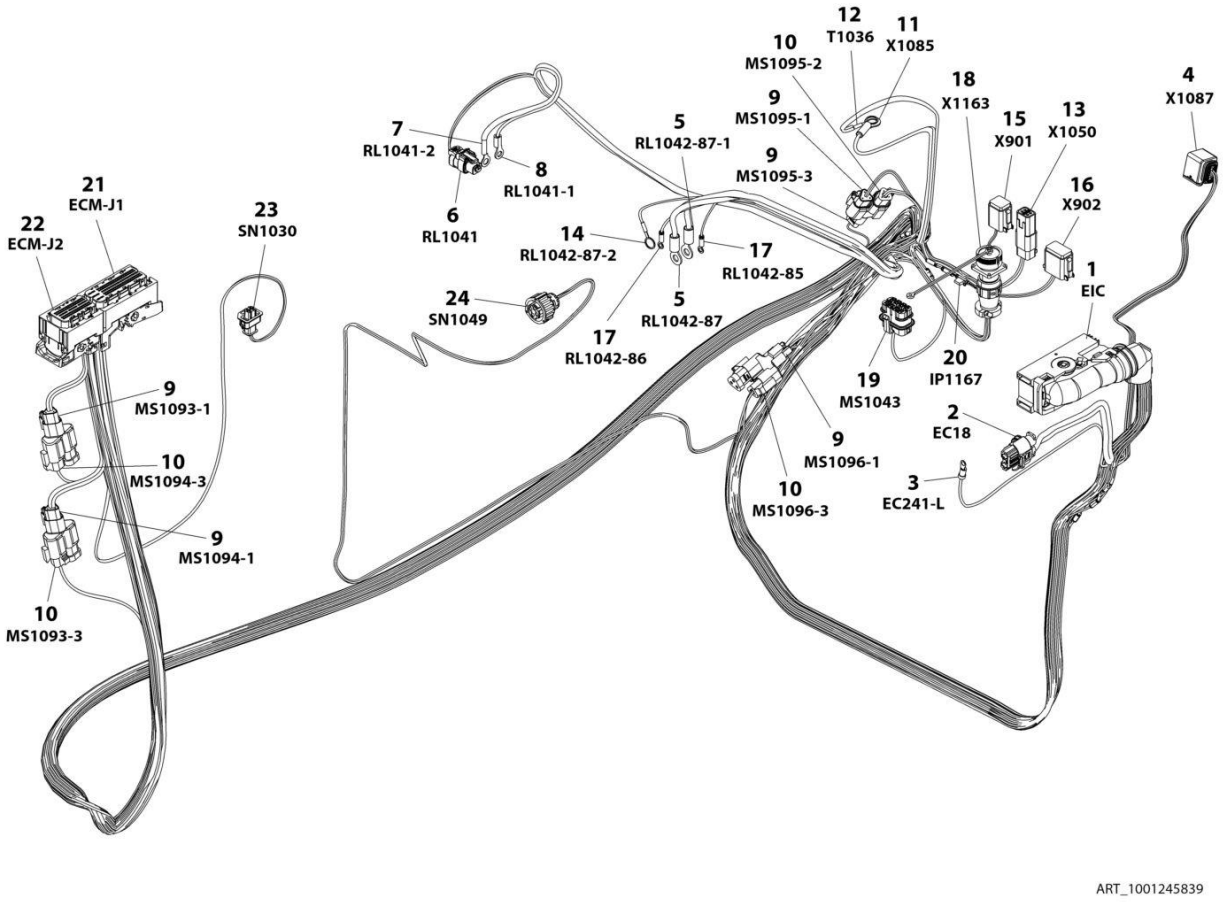


FIGURE 8-53. ENGINE HARNESS - DEUTZ D2.9 (CHINA IV) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245839	Ref	ENGINE HARNESS - DEUTZ (STAGE V)	F
1	1001126362	1	Connector - 62 Position	
1	1001126363	37	Terminal	
1	1001126391	7	Seal, Terminal	
1	1001126392	12	Terminal	
1	4461008	4	Seal, Terminal	
1	1001167632	2	Terminal	
1	1001126364	36	Seal, Terminal	
1	1001223459	12	Seal, Terminal	
1	4461054	2	Seal, Terminal	
2	1001142938	1	Connector - 2 Position	
2	1001142940	2	Terminal	
2	1001142941	2	Seal, Terminal	
3	4460042	1	Terminal, Ring	
4	1001239202	1	Connector - 8 Position	
4	1001126363	7	Terminal	
4	1001126391	1	Seal, Terminal	
4	1001126364	7	Seal, Terminal	
5	1001117107	2	Terminal, Ring	
6	1001116952	1	Plug, Male - 2 Position	
6	4460465	2	Socket, Female	
7	1001117106	1	Terminal, Ring	
8	4460043	1	Terminal, Ring	
9	1001116812	5	Connector, 3 Position	
9	4460944	10	Socket, Female	
9	4460466	5	Plug, Terminal	
10	4460539	4	Plug, Male - 3 Position	
10	4460944	8	Socket, Female	
10	4460466	4	Plug, Terminal	
11	8220164	1	Terminal, Ring	
12	4460019	1	Terminal, Ring	
13	4460884	1	Plug, Male - 4 Position	
13	4460465	2	Socket, Female	
13	4460942	2	Socket, Female	
14	4460703	1	Terminal, Ring	
15	4460894	1	Plug, Male - 6 Position	
15	4460465	2	Socket, Female	
15	4460944	2	Socket, Female	
15	4460465	2	Socket, Female	
16	4460930	1	Plug, Male - 8 Position	
16	4460465	1	Socket, Female	
16	4460466	7	Plug, Terminal	
17	4460247	2	Terminal, Ring	
18	2902443	1	Receptacle Kit	
18	4461071	8	Socket, Female	
18	4461072	1	Receptacle with Flange - 8 Position	
18	4461073	1	Cap, Dust	
18	4461074	1	Shell, Black	
19	80484084	1	Connector - 8 Position	
19	4460746	3	Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19	1001234800	1	Terminal	
19	4460748	4	Plug, Terminal	
19	4460458	4	Seal	
20	1001170764	1	Holder, Fuse	
20	1001197719	1	Fuse 0.5 Watt	
21	1001133956	1	Connector, 94 Position	
21	1001182361	8	Terminal	
21	1001126351	3	Terminal	
21	1001230934	25	Terminal	
21	1001230935	55	Plug, Terminal	
21	1001252527	4	Terminal	
21	1001230936	1	Plug, Terminal	
21	1001182365	8	Seal	
22	1001133957	1	Connector - 60 Position	
22	1001230936	11	Plug, Terminal	
22	1001126351	13	Terminal	
22	1001230935	10	Plug, Terminal	
22	1001230934	26	Terminal	
23	1001126487	1	Connector - 2 Position	
23	1001167635	2	Terminal	
23	1001126485	2	Seal	
24	1001133714	1	Plug, Male - 4 Position	
24	1001133715	3	Terminal	
24	1001135651	1	Plug, Terminal	
24	1001135650	2	Seal	

FIGURE 8-54. ENGINE HARNESS - FORD ENGINES

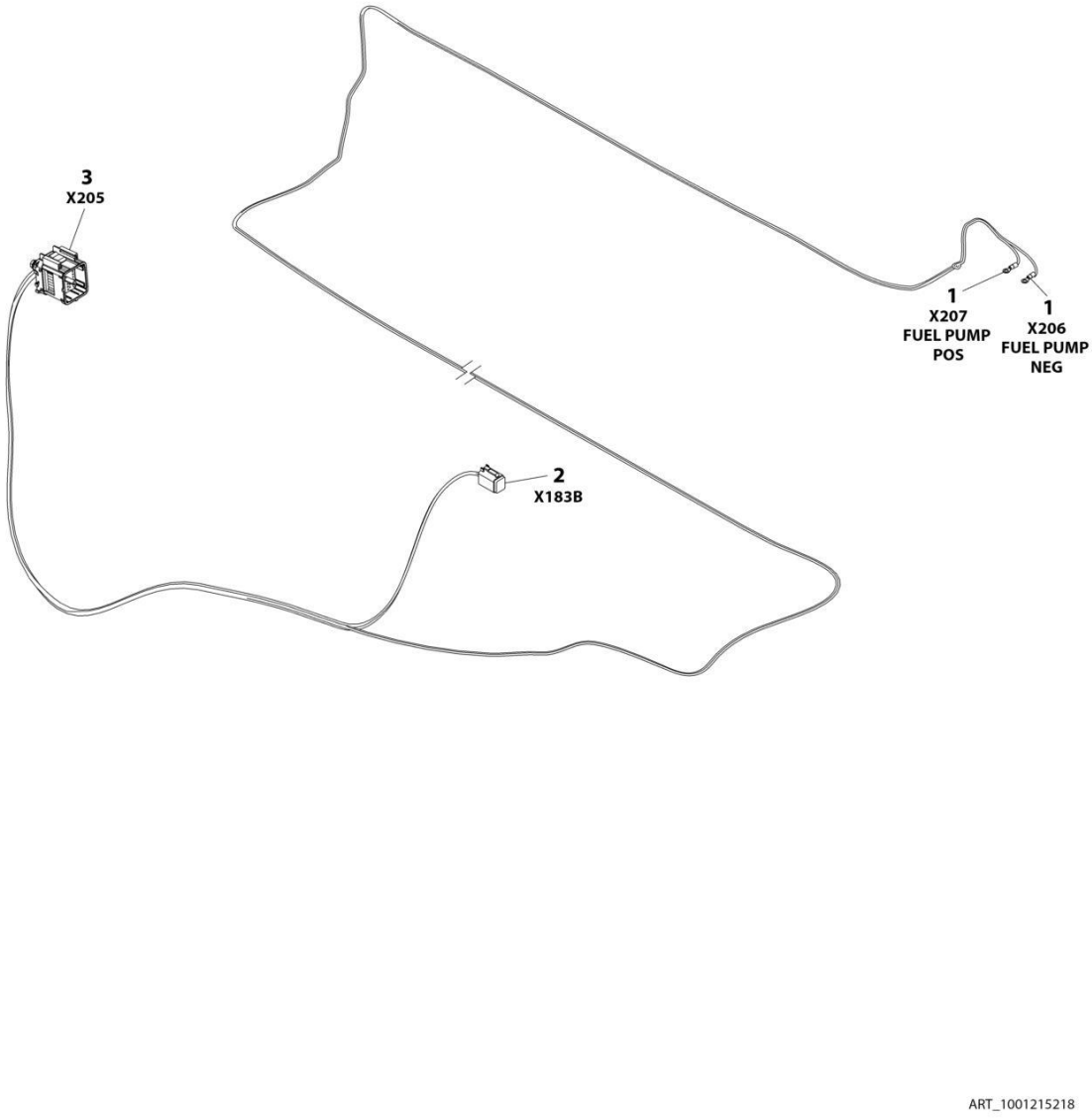


FIGURE 8-54. ENGINE HARNESS - FORD ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001215218	Ref	ENGINE HARNESS	C
1	4460042	2	Terminal, Ring	
2	4460894	1	Plug, Male - 6 Position	
2	4460465	4	Socket, Female	
2	4460466	2	Plug, Terminal	
3	1001215016	1	Connector - 42 Position	
3	1001216212	1	Terminal	
3	1001221210	2	Terminal	
3	1001215091	3	Terminal	
3	1001216213	2	Plug, Terminal	
3	1001215534	34	Plug, Terminal	

FIGURE 8-55. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

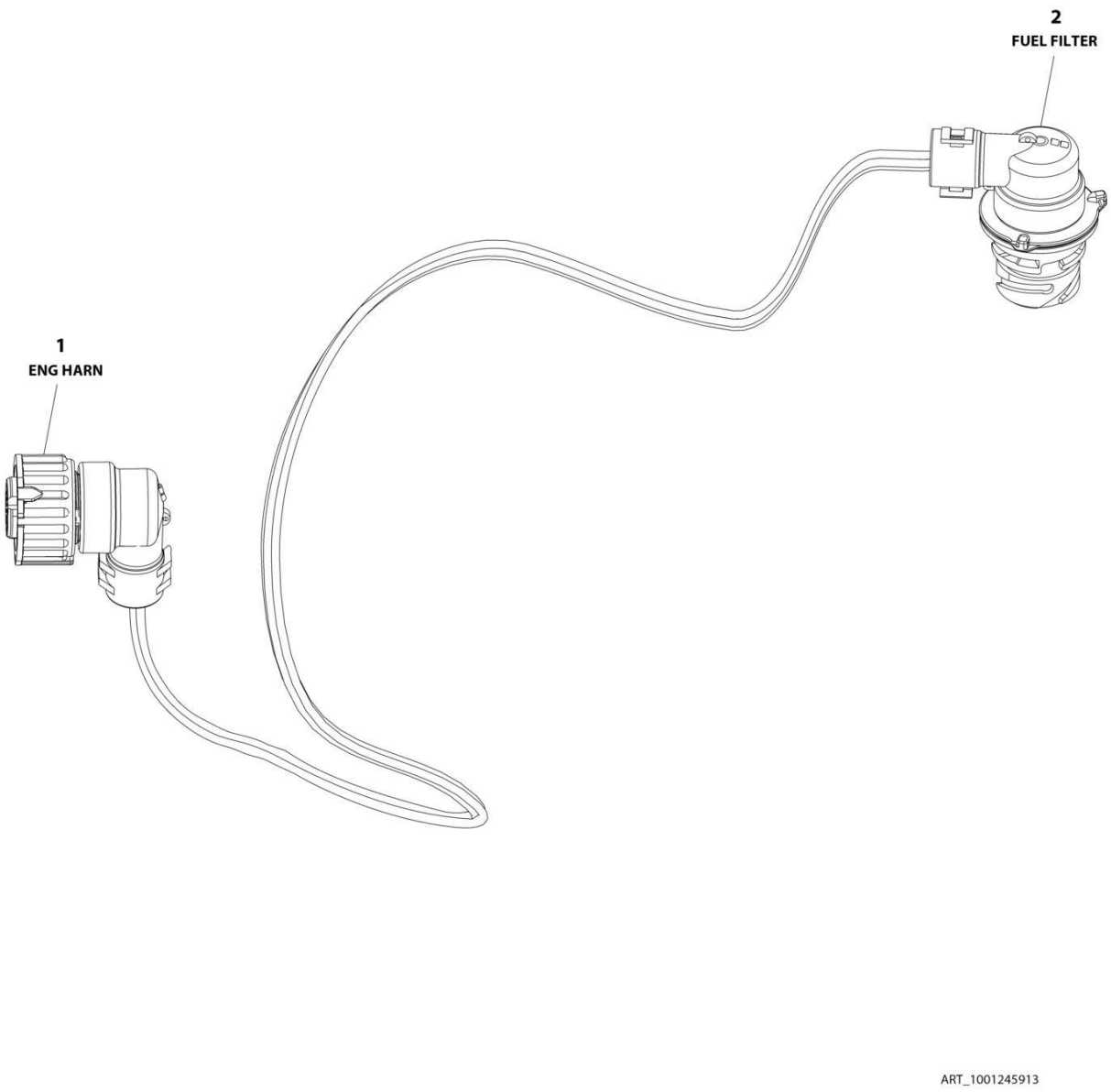


FIGURE 8-55. FUEL HARNESS - DEUTZ TD2.2L3 (STAGE V) ENGINE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001245913	Ref	FUEL HARNESS - DEUTZ (STAGE V) ENGINE	D
1	1001148842	1	Connector - 4 Position	
1	1001148841	4	Pin, Male	
1	1001135650	4	Seal	
2	1001133714	1	Plug, Male - 4 Position	
2	1001133715	4	Socket, Female	
2	1001135650	4	Seal	

FIGURE 8-56. FUEL PUMP HARNESS - DEUTZ D2.9L4 - 49HP, DEUTZ TD2.9L4 - 67HP AND DEUTZ TD2.2L3 (STAGE V) ENGINES

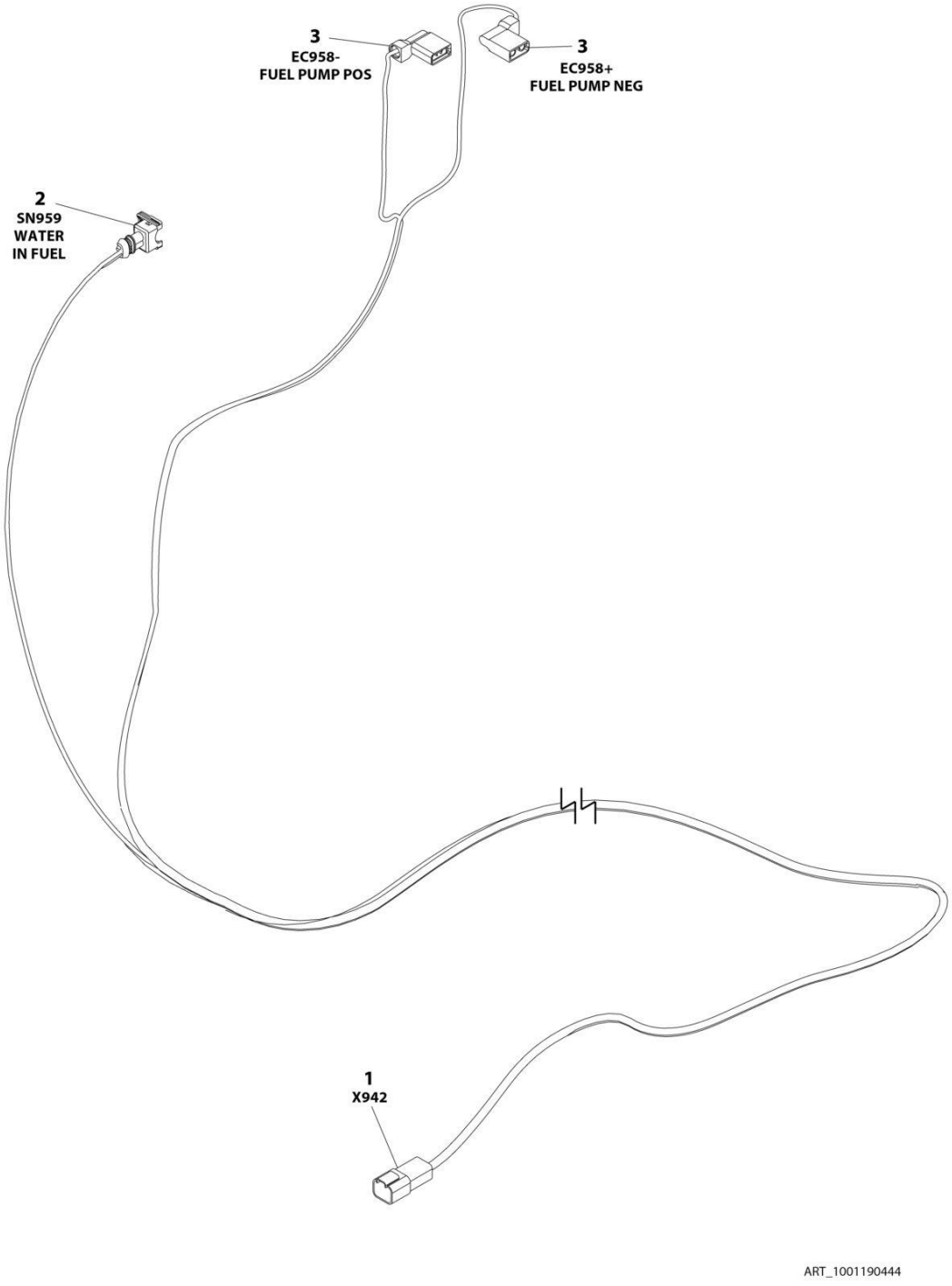


FIGURE 8-56. FUEL PUMP HARNESS - DEUTZ D2.9L4 - 49HP, DEUTZ TD2.9L4 - 67HP AND DEUTZ TD2.2L3 (STAGE V) ENGINES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001190444	Ref	FUEL PUMP HARNESS	D
1	4460932	1	Receptacle, Female - 4 Position	
1	4460941	4	Pin, Male	
2	1001116983	1	Plug, Male - 2 Posiiton	
2	1001227507	2	Socket, Female	
2	4461054	2	Seal	
3	1001223045	2	Connector	

FIGURE 8-57. GENERATOR HARNESS - 2500W

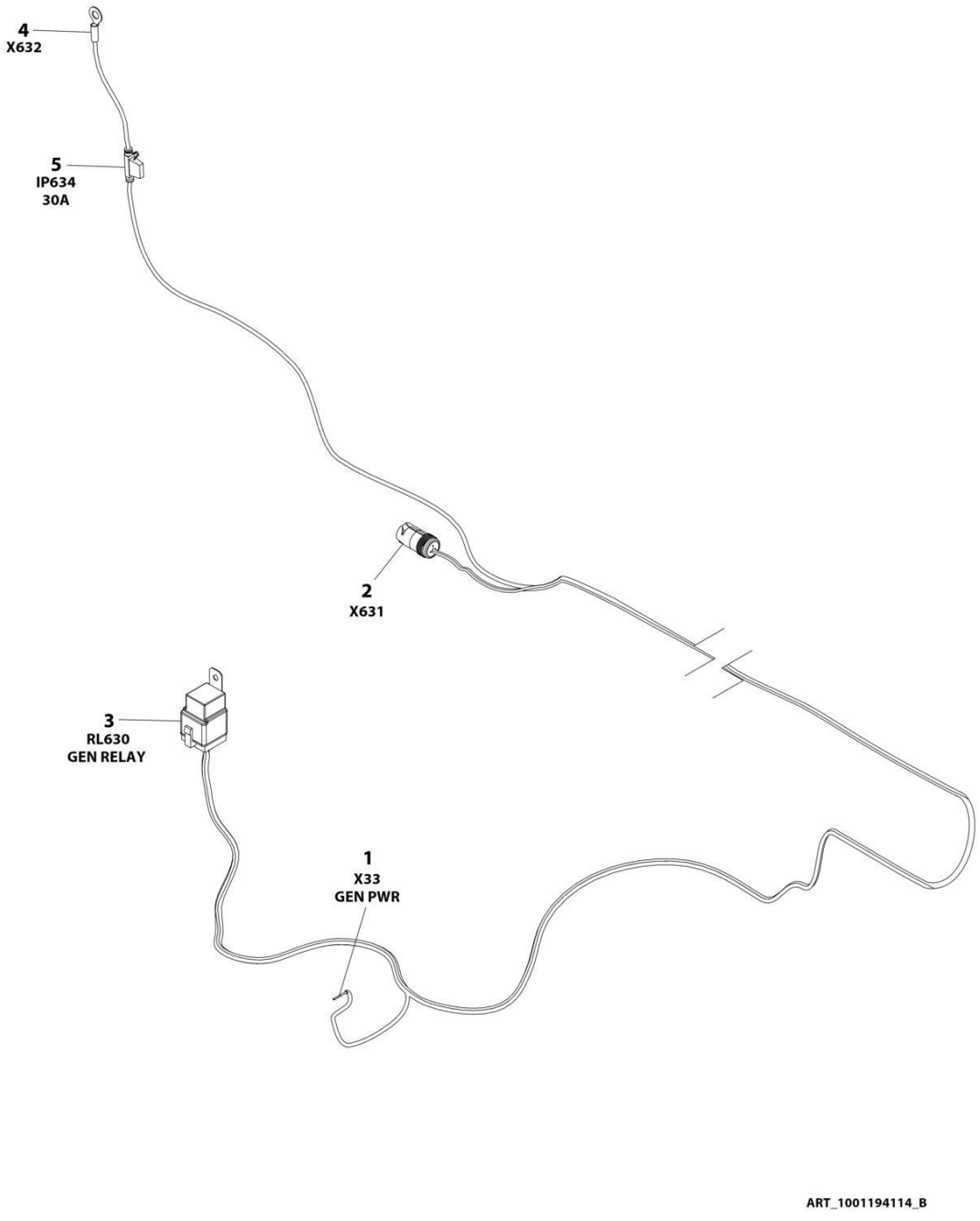


FIGURE 8-57. GENERATOR HARNESS - 2500W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001194114	Ref	GENERATOR HARNESS	B
1	4460906	1	Socket, Female	
2	1001154726	1	Receptacle, Female - 3 Position	
2	4460464	2	Pin, Male	
2	4460466	1	Plug, Terminal	
3	1001120851	1	Connector, Relay	
3	1001116734	2	Terminal	
3	1001116732	2	Terminal	
3	3740080	1	Relay	
4	8220045	1	Terminal, Ring	
5	2400060	1	Fuseholder - 30Amp (Includes Cover)	
5	8229245	1	Fuse - 30Amp	

FIGURE 8-58. GENERATOR HARNESS - 4000W

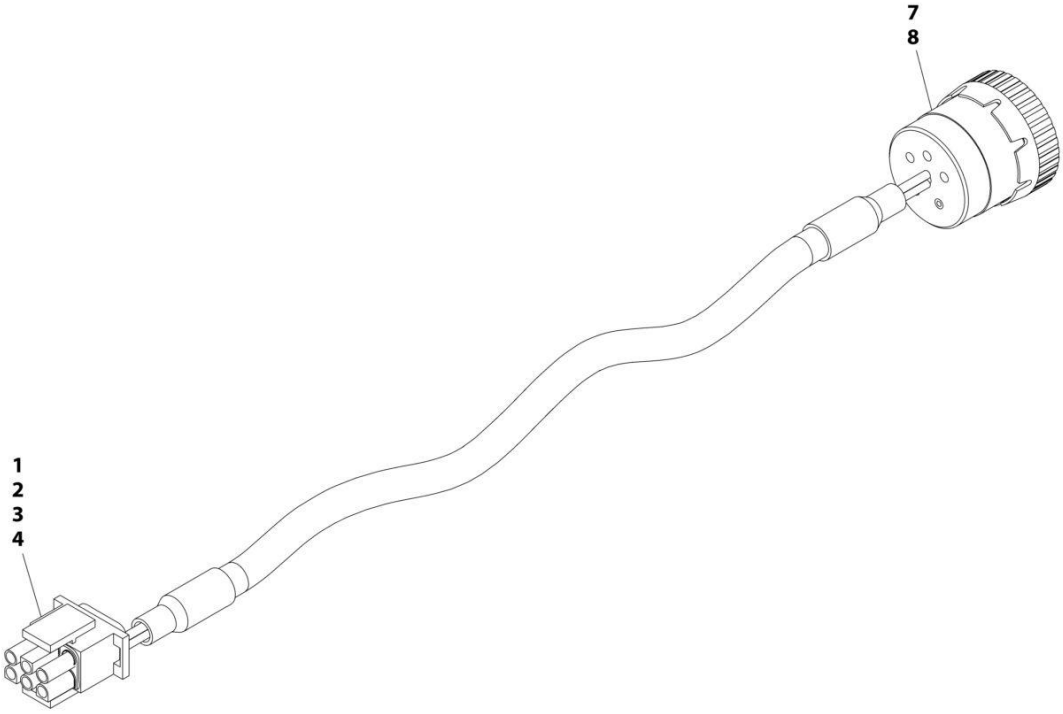


FIGURE 8-58. GENERATOR HARNESS - 4000W

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152532	Ref	GENERATOR HARNESS	A
1	4460225	1	Connector - 6 Position	
2	4460268	2	Socket, Female	
3	4460807	1	Seal	
4	4460808	1	Seal	
7	4460465	2	Socket, Female	
8	77363233	1	Connector - 6 Position	

FIGURE 8-59. GENERATOR HARNESS - 7500W SKYPOWER

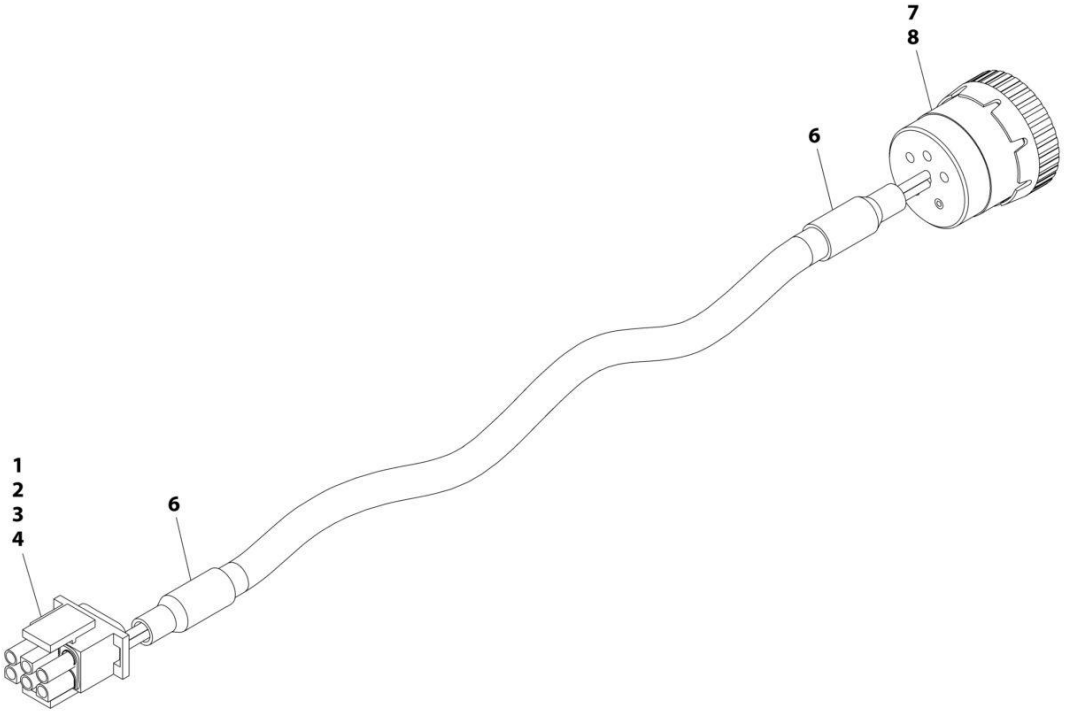


FIGURE 8-59. GENERATOR HARNESS - 7500W SKYPOWER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922925	Ref	GENERATOR TO CONTROL BOX HARNESS (7500W GENERATOR)	C
1	4460225	1	Plug, Male - 2 Position	
2	4460268	6	Socket, Female	
3	4460807	1	Seal	
4	4460808	1	Seal	
6	2820019	AR	Heat Shrink	
7	4460465	6	Socket, Female	
8	77363233	1	Connector - 6 Position	

FIGURE 8-60. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

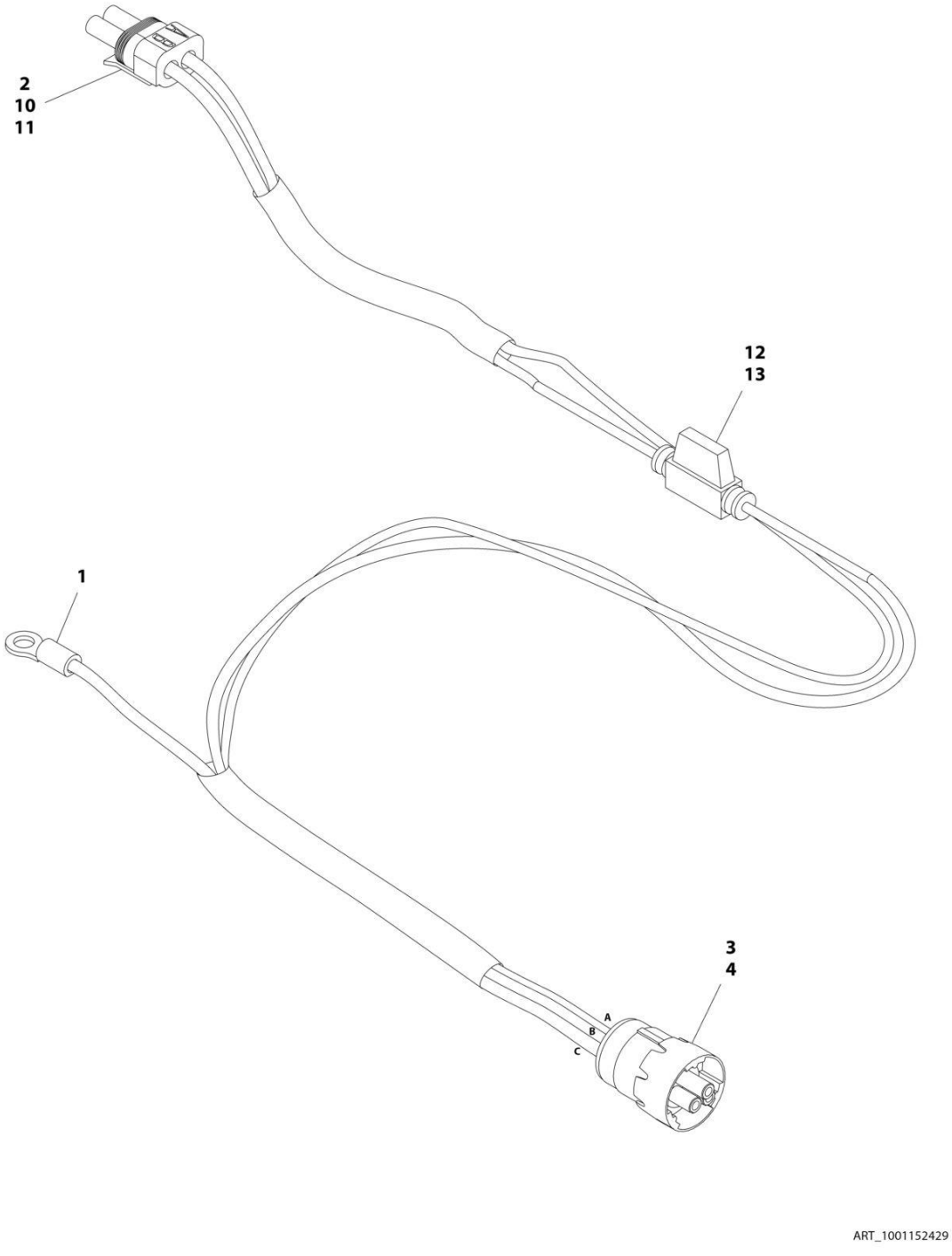


FIGURE 8-60. GENERATOR TO ENGINE HARNESS - 7500W SKYPOWER GENERATOR (DEUTZ D2011 ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001152429	Ref	GENERATOR TO ENGINE HARNESS	C
1	4460043	1	Terminal, Ring	
2	4460742	1	Plug, Male - 2 Position	
3	4460967	1	Connector - 3 Position	
4	4460465	3	Socket, Female	
10	4460743	2	Terminal, Female	
11	4460458	2	Seal	
12	2400060	1	Fuseholder (Includes Cover)	
13	2400064	1	Fuse - 5Amp	

FIGURE 8-61. GROUND CONTROL HARNESS

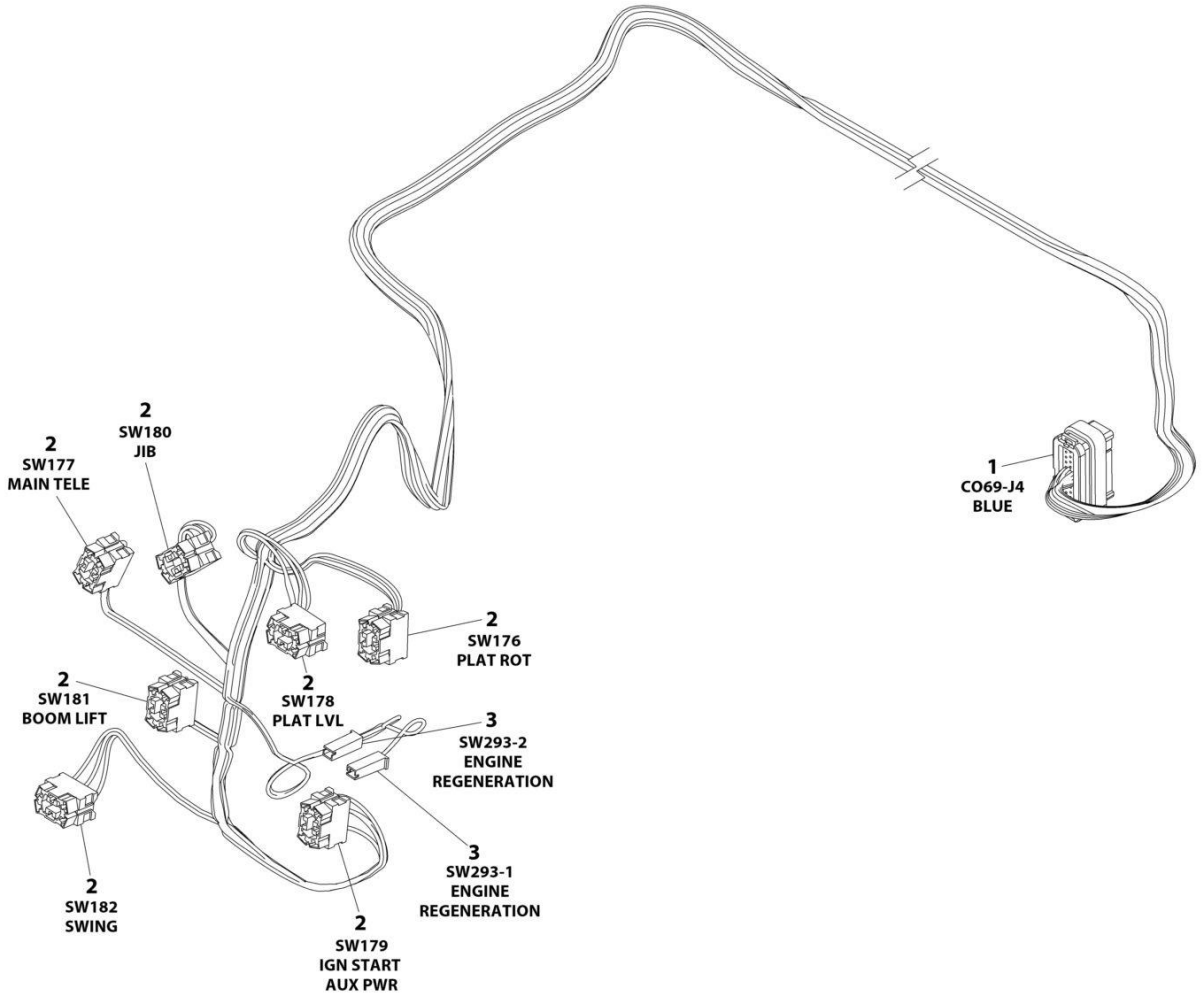


FIGURE 8-61. GROUND CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238408	Ref	GROUND CONTROL HARNESS	B
1	4460876	1	Connector - 35 Position	
1	4460871	16	Socket, Female	
1	4460905	19	Plug, Terminal	
2	4460418	7	Connector, Switch	
2	4460419	14	Terminal	
2	1001159186	14	Terminal	
3	4460260	2	Terminal	
3	4460259	2	Terminal	

FIGURE 8-62. LIFT CYLINDER HARNESS

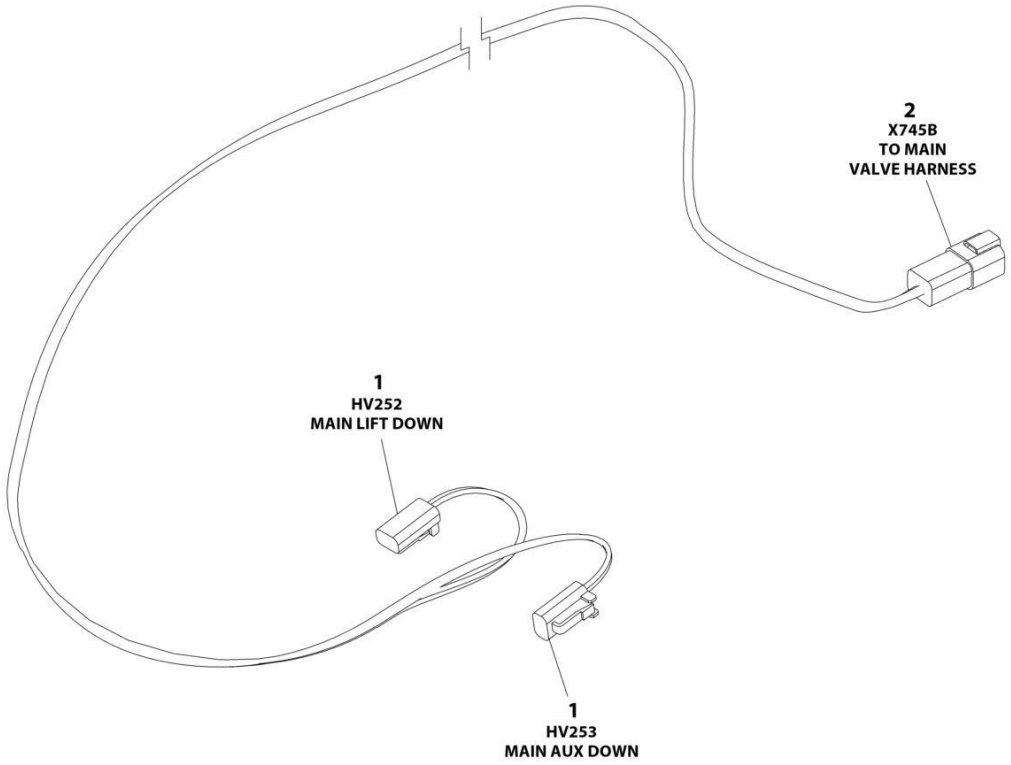


FIGURE 8-62. LIFT CYLINDER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001205923	Ref	LIFT CYLINDER HARNESS	C
1	4460891	2	Plug, Male - 2 Position	
1	4460465	4	Socket, Female	
2	4460932	1	Receptacle, Female - 4 Position	
2	4460464	4	Pin, Male	

FIGURE 8-63. PLATFORM BOX HARNESS

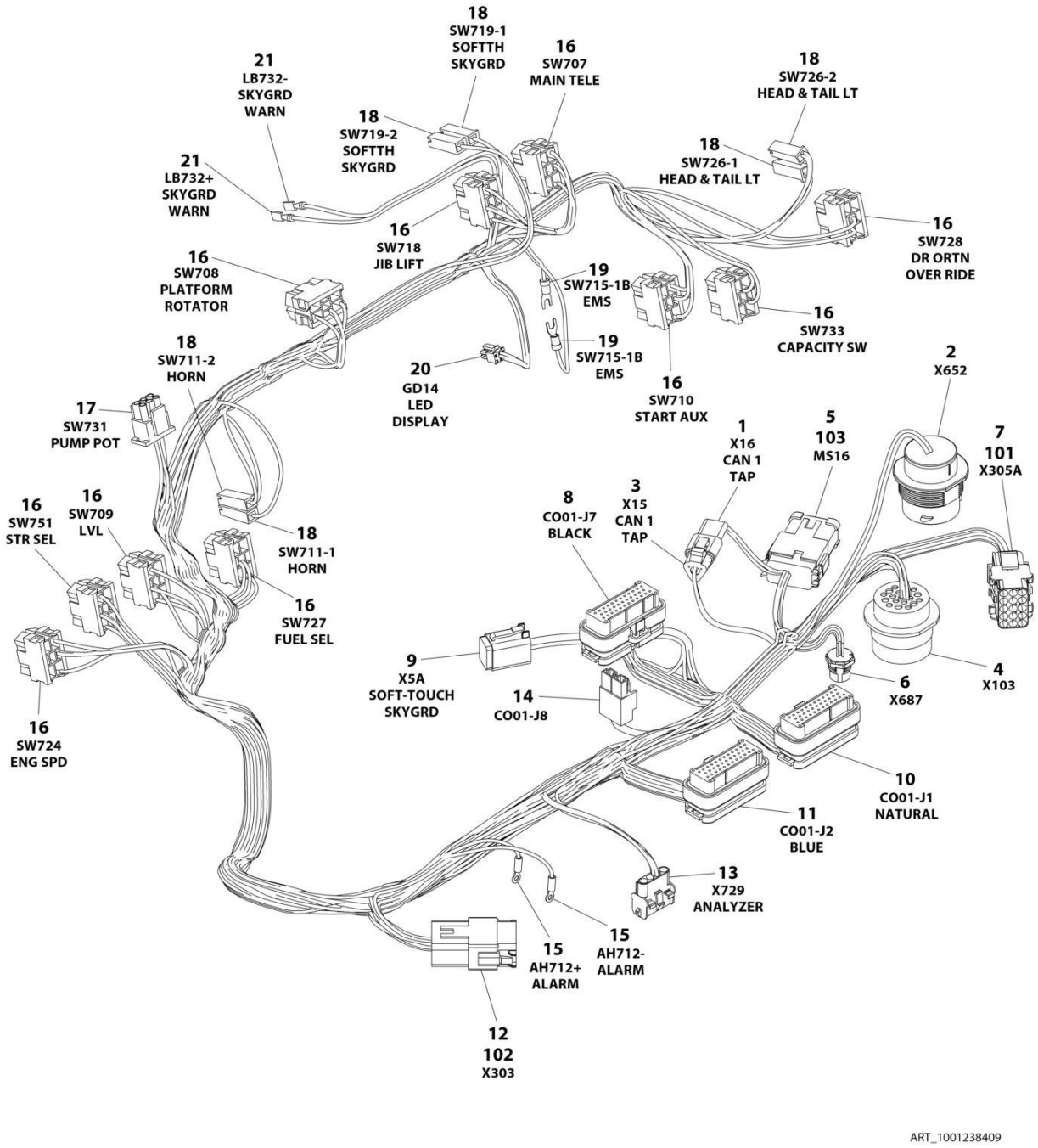


FIGURE 8-63. PLATFORM BOX HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238409	Ref	PLATFORM CONSOLE HARNESS	J
1	4460536	1	Receptacle, Female - 3 Position	
1	4460943	2	Pin, Male	
1	4460466	1	Plug, Terminal	
2	4460925	1	Connector - 21 Position	
2	1001116695	15	Pin, Male	
2	4460518	6	Plug, Terminal	
3	4460539	1	Plug, Male - 3 Position	
3	4460944	2	Socket, Female	
3	4460466	1	Plug, Terminal	
4	4460866	1	Connector - 19 Position	
4	4460464	7	Pin, Male	
4	4460943	2	Pin, Male	
4	4460508	1	Pin, Male	
4	4460466	8	Plug, Terminal	
5	4460933	1	Plug, Male - 12 Position	
5	4460465	10	Socket, Female	
5	4460466	2	Plug, Terminal	
6	1001213447	1	Connector - 4 Position	
6	See Note	NSS	Terminal (Note: Purchase p/n 1001213447)	
7	4460434	1	Connector - 15 Position	
7	4460267	8	Pin, Male	
8	4460873	1	Connector - 35 Position	
8	4460871	24	Socket, Female	
8	4460905	11	Plug, Terminal	
9	4460894	1	Plug, Male - 6 Position	
9	4460465	6	Socket, Female	
10	4460874	1	Connector - 35 Position	
10	4460871	29	Socket, Female	
10	4460905	6	Plug, Terminal	
11	4460876	1	Connector - 35 Position	
11	4460871	12	Socket, Female	
11	4460905	23	Plug, Terminal	
12	4460970	1	Receptacle, Female - 12 Position	
12	1001116693	6	Pin, Male	
12	4460466	6	Plug, Terminal	
13	4460761	1	Receptacle, Female - 4 Position	
13	1001118378	4	Pin, Male	
14	4460879	1	Plug, Male - 2 Position	
14	4460887	2	Terminal	
15	1001098122	2	Terminal, Ring	
16	4460418	10	Connector - 6 Position	
16	4460419	20	Terminal	
16	1001159186	18	Terminal	
17	4460225	1	Plug, Male - 6 Position	
17	4460227	6	Pin, Male (Note: Used on Pump Potentiometer Connection Only)	
17	4460267	2	Terminal	
18	4460260	6	Housing, Terminal	
18	4460259	6	Terminal	
19	4460183	2	Terminal, Fork	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
20	1001237667	1	Connector - 6 Position	
20	1001237668	4	Terminal	
21	1001271497	1	Terminal	
101	4460708	1	Connector - 12 Position	
102	4460933	1	Plug, Male - 12 Position	
103	1001125677	1	Connector, Bussbar	

FIGURE 8-64. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

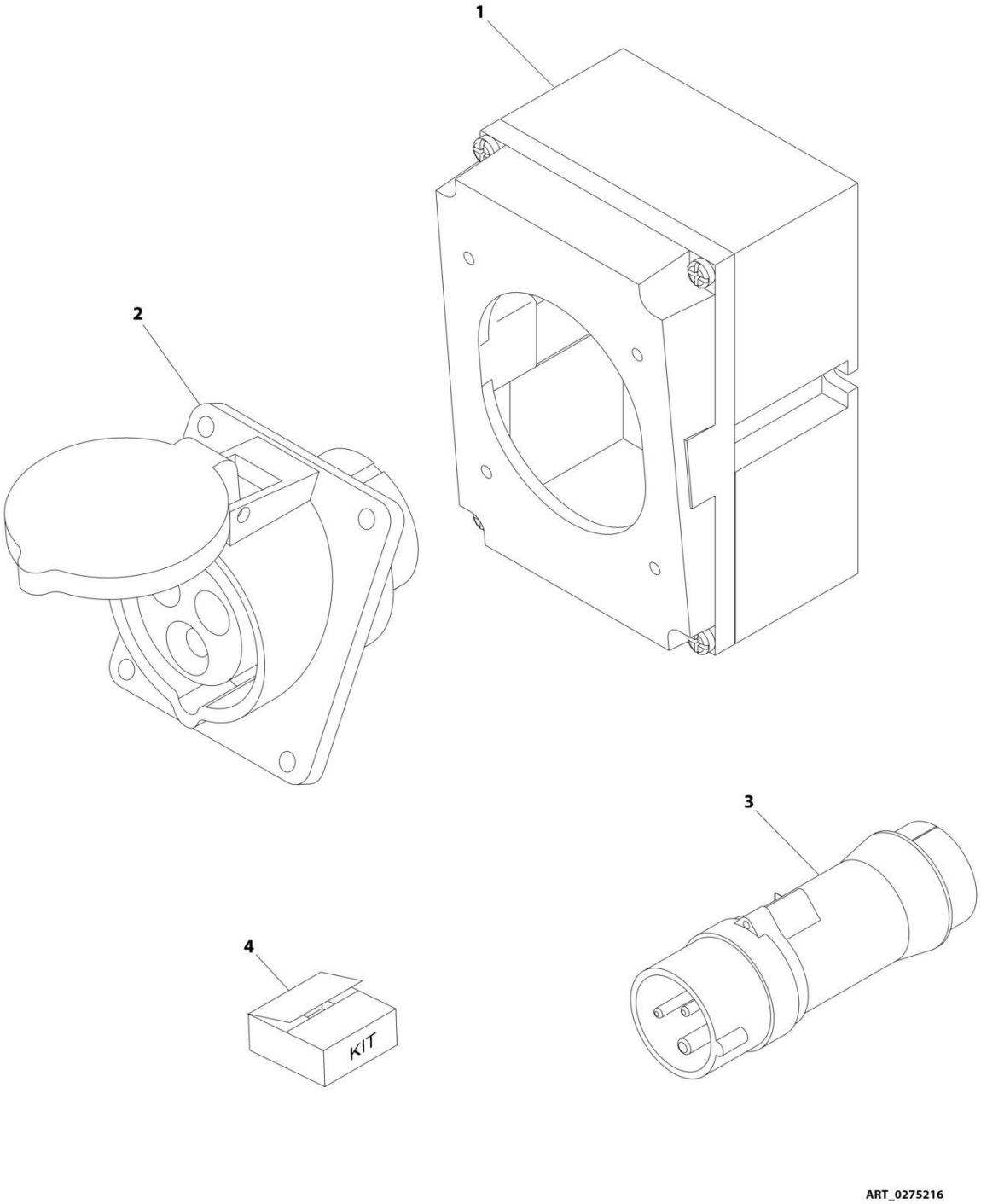


FIGURE 8-64. RECEPTACLE BOX KIT - 110V IEC YELLOW (CE & UK CA SPEC)

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)	

FIGURE 8-65. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

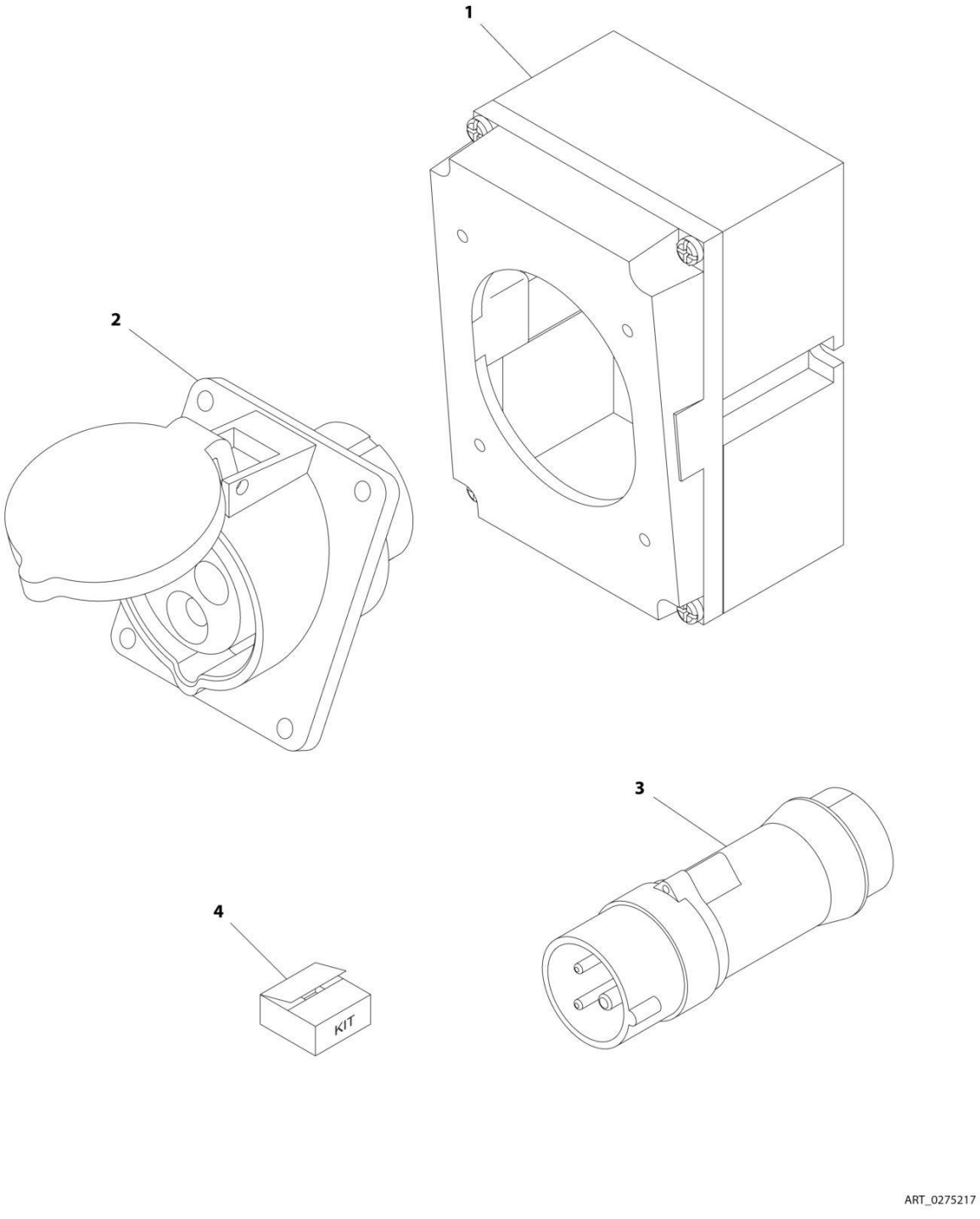


FIGURE 8-65. RECEPTACLE BOX KIT - 220V IEC BLUE (CE & UK CA SPEC)

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)	

FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC)

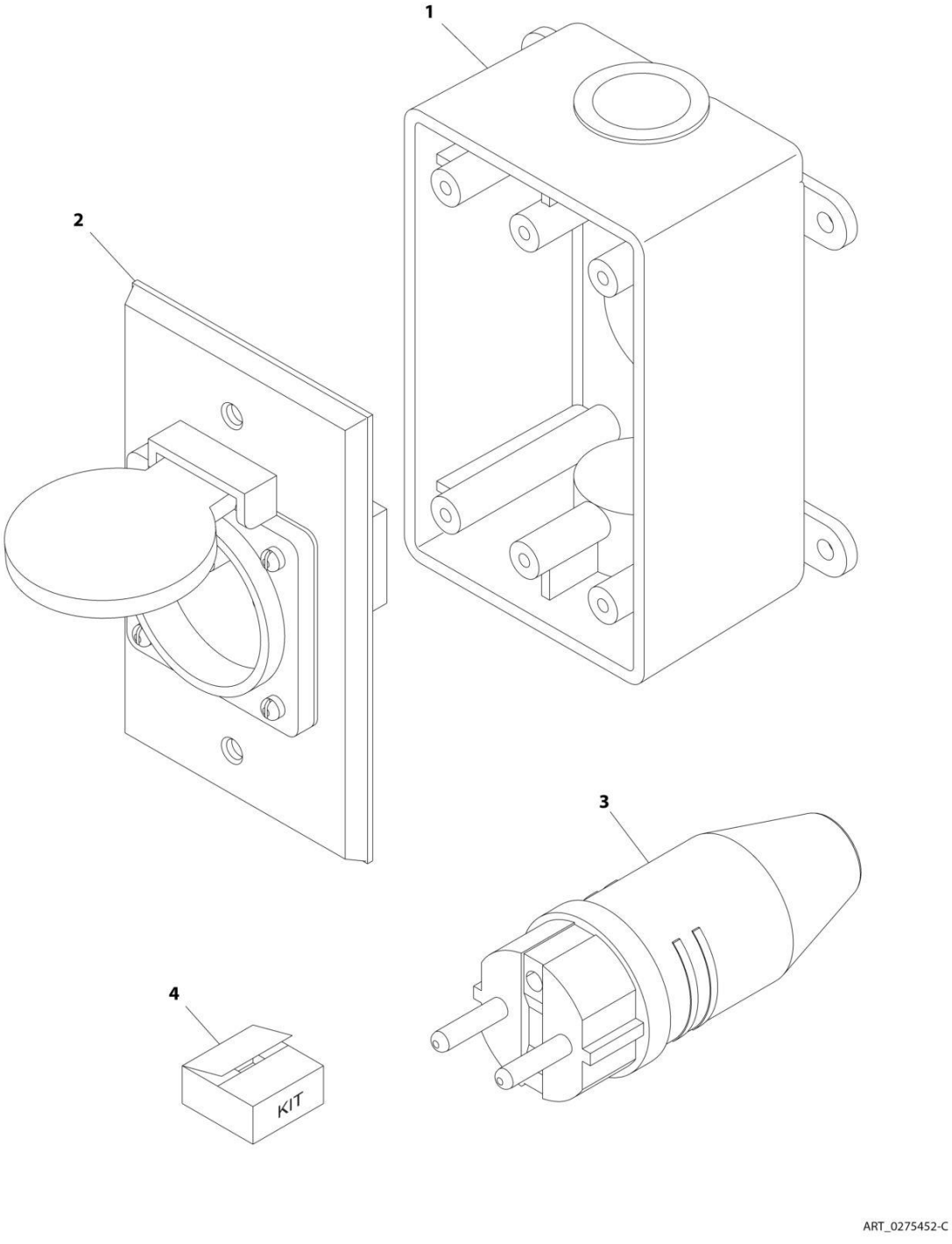


FIGURE 8-66. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2X4 BOX (CE & UK CA SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0275452	Ref	RECEPTACLE BOX KIT - 220V CEE7 POST GROUND 2IN X 4IN BOX	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 4461203)	

FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE & UK CA SPEC)

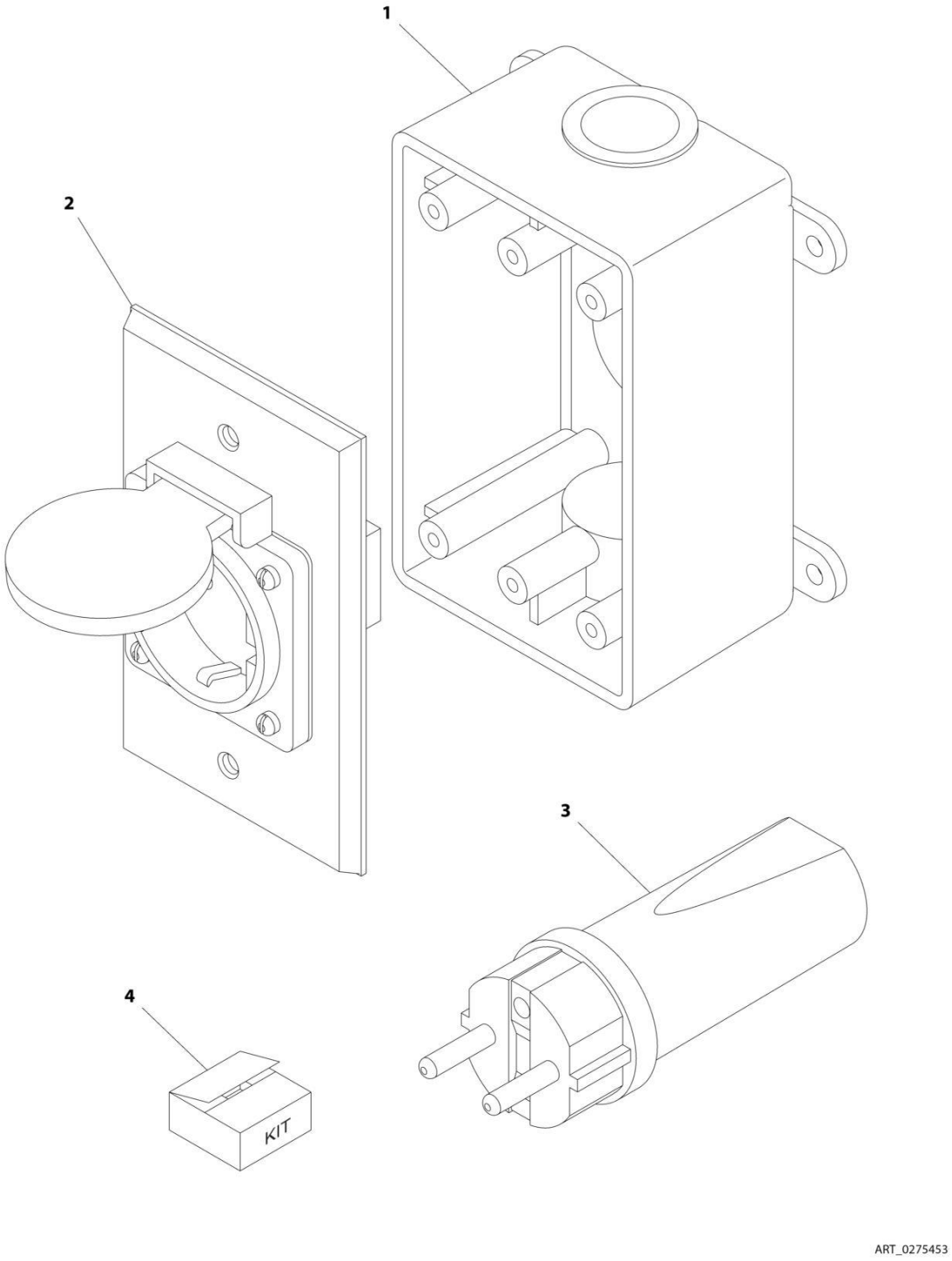


FIGURE 8-67. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND (CE & UK CA SPEC)

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)	

FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

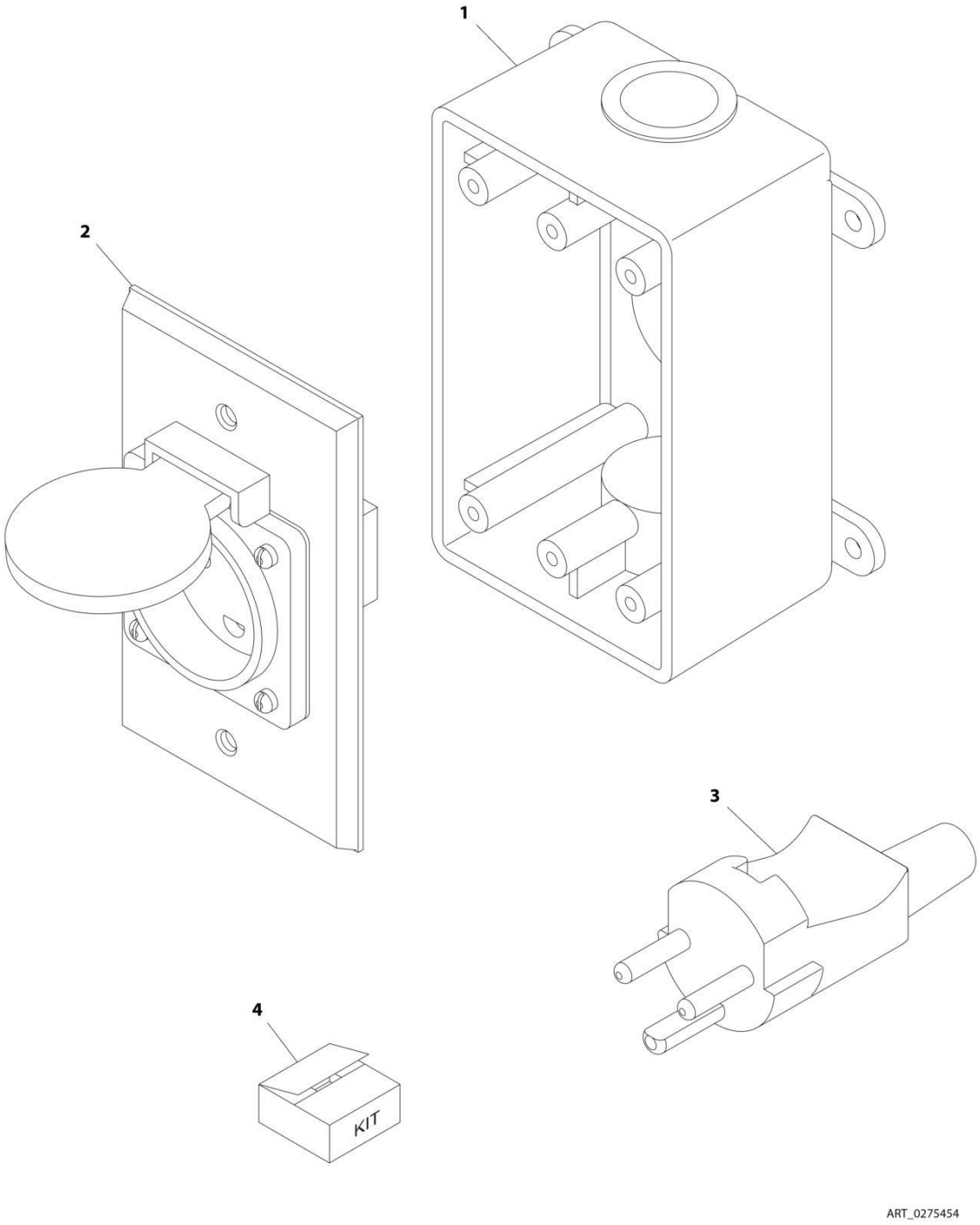


FIGURE 8-68. RECEPTACLE BOX KIT - 220V AFSINT 107 (CE & UK CA SPEC)

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)	

FIGURE 8-69. SKYEYE EMITTER HARNESS

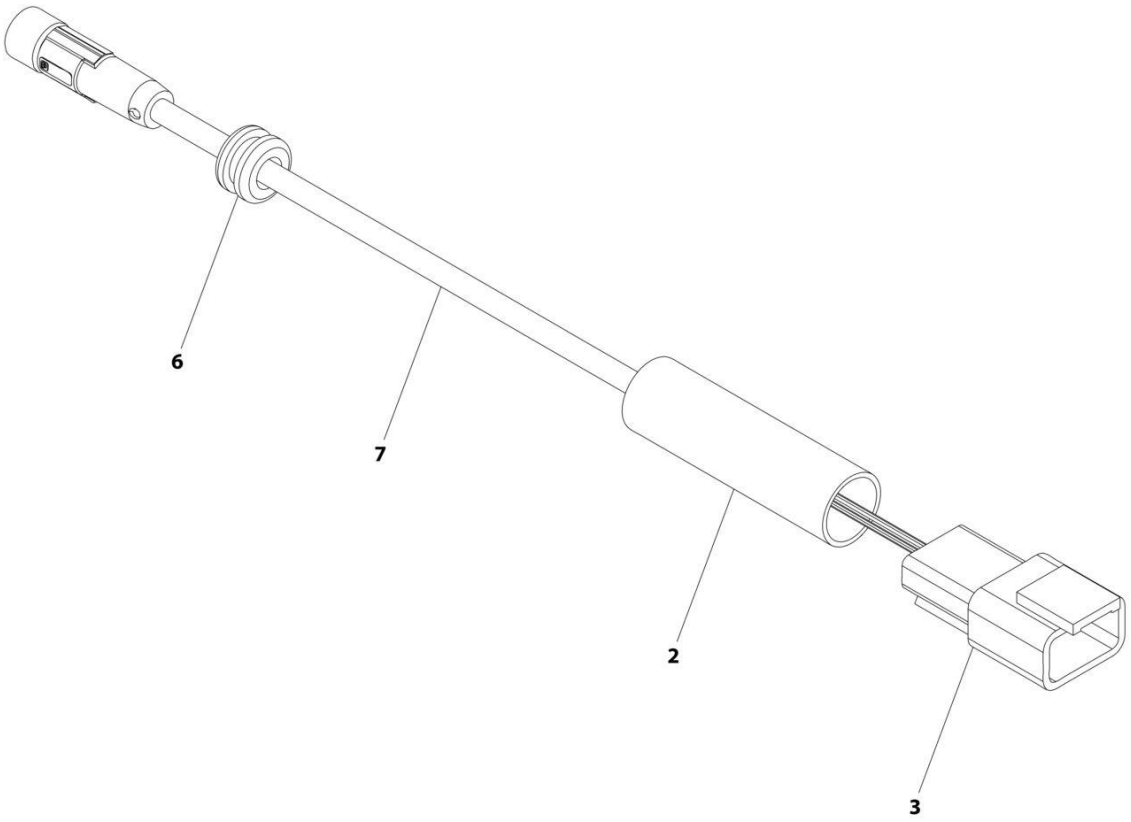
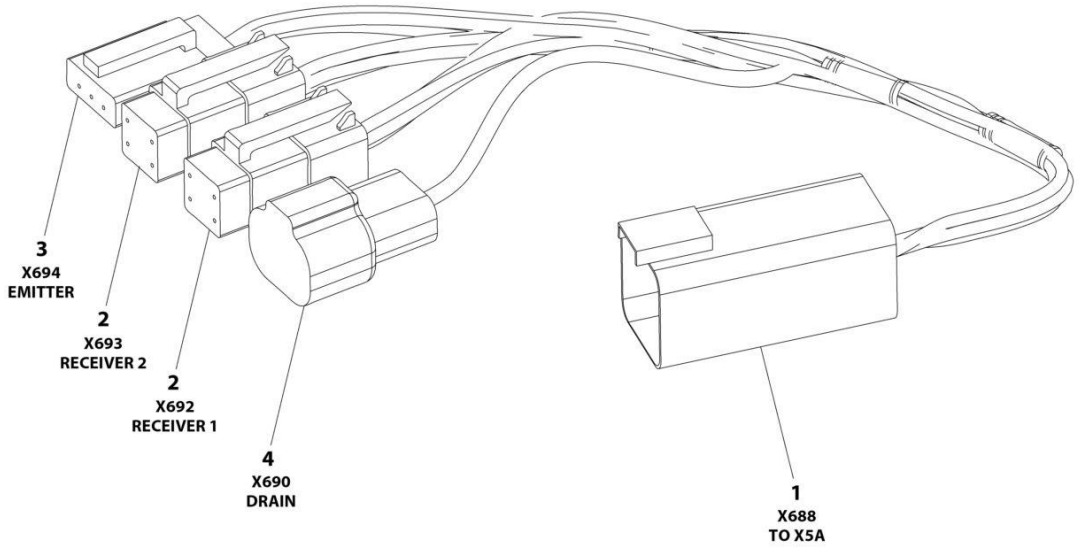


FIGURE 8-69. SKYEYE EMITTER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237864	Ref	SKYEYE EMITTER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
3	4460910	1	Connector - 3 Position	
3	1001119620	3	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS



ART_1001237865

FIGURE 8-70. SKYEYE INTERMEDIATE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237865	Ref	SKYEYE INTERMEDIATE HARNESS	A
1	4460899	1	Connector - 6 Position	
1	4460943	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	2	Connector - 4 Position	
2	1001119619	8	Socket, Female	
3	4460911	1	Connector - 3 Position	
3	1001119619	3	Socket, Female	
4	1001187681	1	Connector - 2 Position	
4	4460941	1	Pin, Male	
4	4460466	1	Plug, Terminal	

FIGURE 8-71. SKYEYE RECEIVER HARNESS

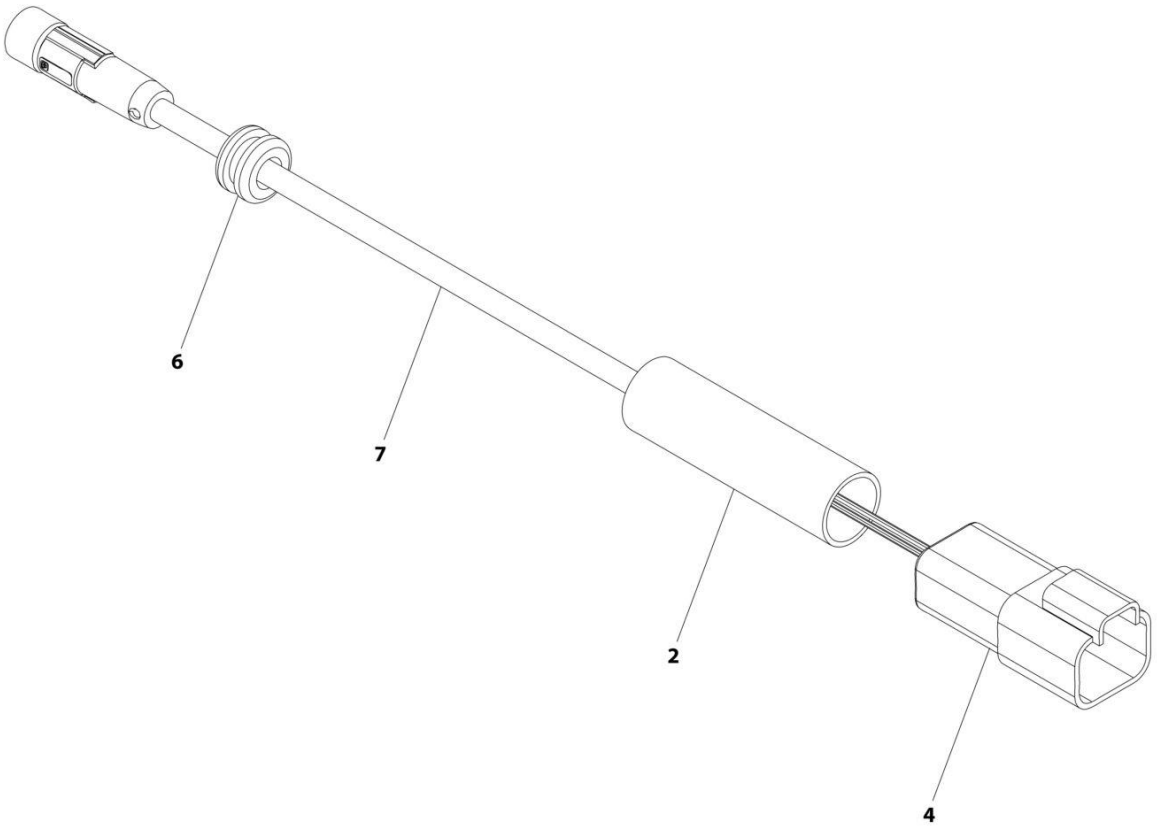


FIGURE 8-71. SKYEYE RECEIVER HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001237863	Ref	SKYEYE RECEIVER HARNESS	A
2	2820247	AR	Tubing, Heat Shrink	
4	1001097051	1	Connector - 4 Position	
4	1001119620	4	Pin, Male	
6	1001227996	1	Grommet	
7	1001237862	1	Cable, M8 Female Cordset	

FIGURE 8-72. SKYGUARD INTERFACE HARNESS

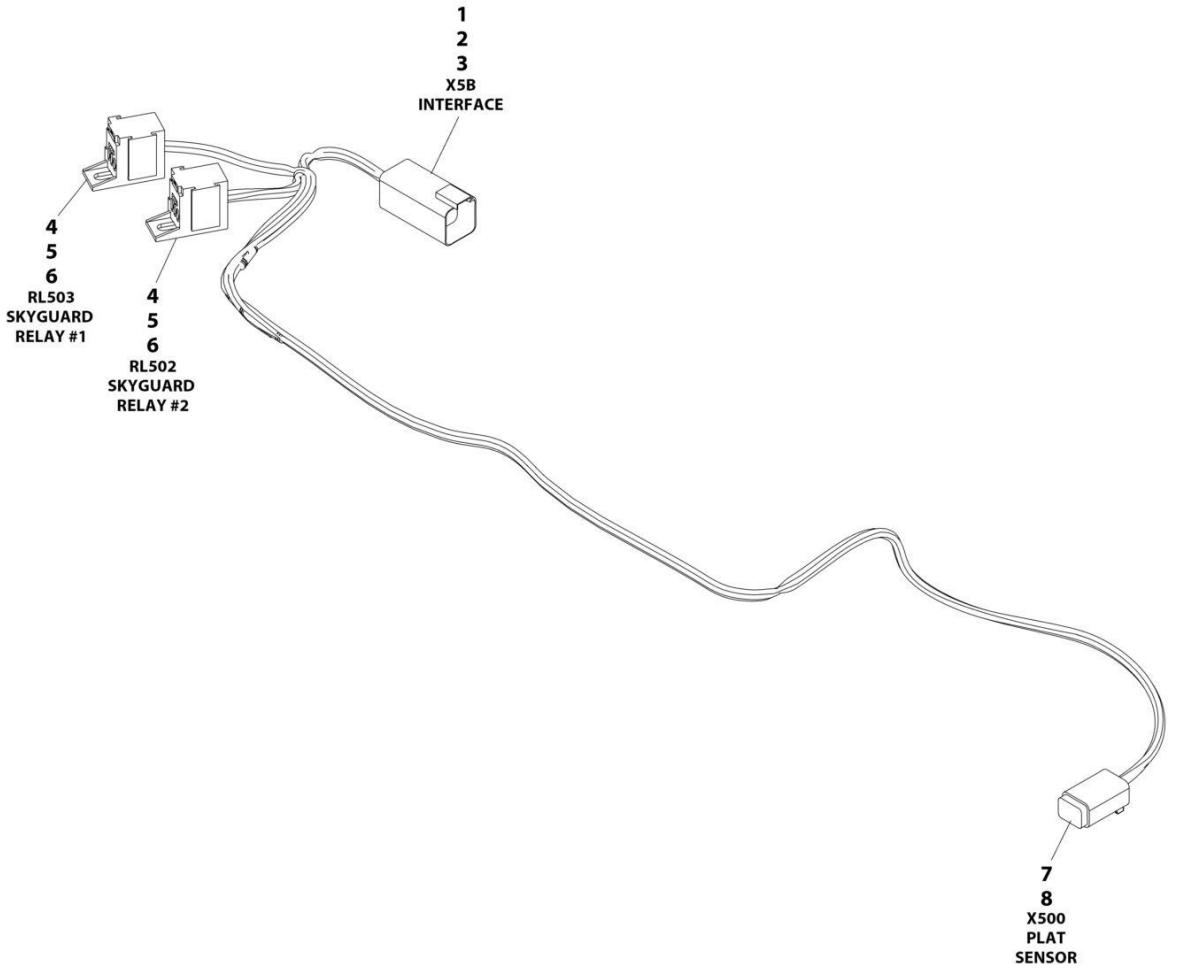


FIGURE 8-72. SKYGUARD INTERFACE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001225580	Ref	INTERFACE HARNESS - WITH 1 CELL LSS	D
1	4460899	1	Connector	
2	4460464	4	Terminal	
3	4460466	2	Plug	
4	1001186432	2	Connector	
5	1001116720	4	Terminal	
6	1001118388	4	Terminal	
7	4460884	1	Connector	
8	4460465	4	Terminal	

FIGURE 8-73. SKYLINE HARNESS

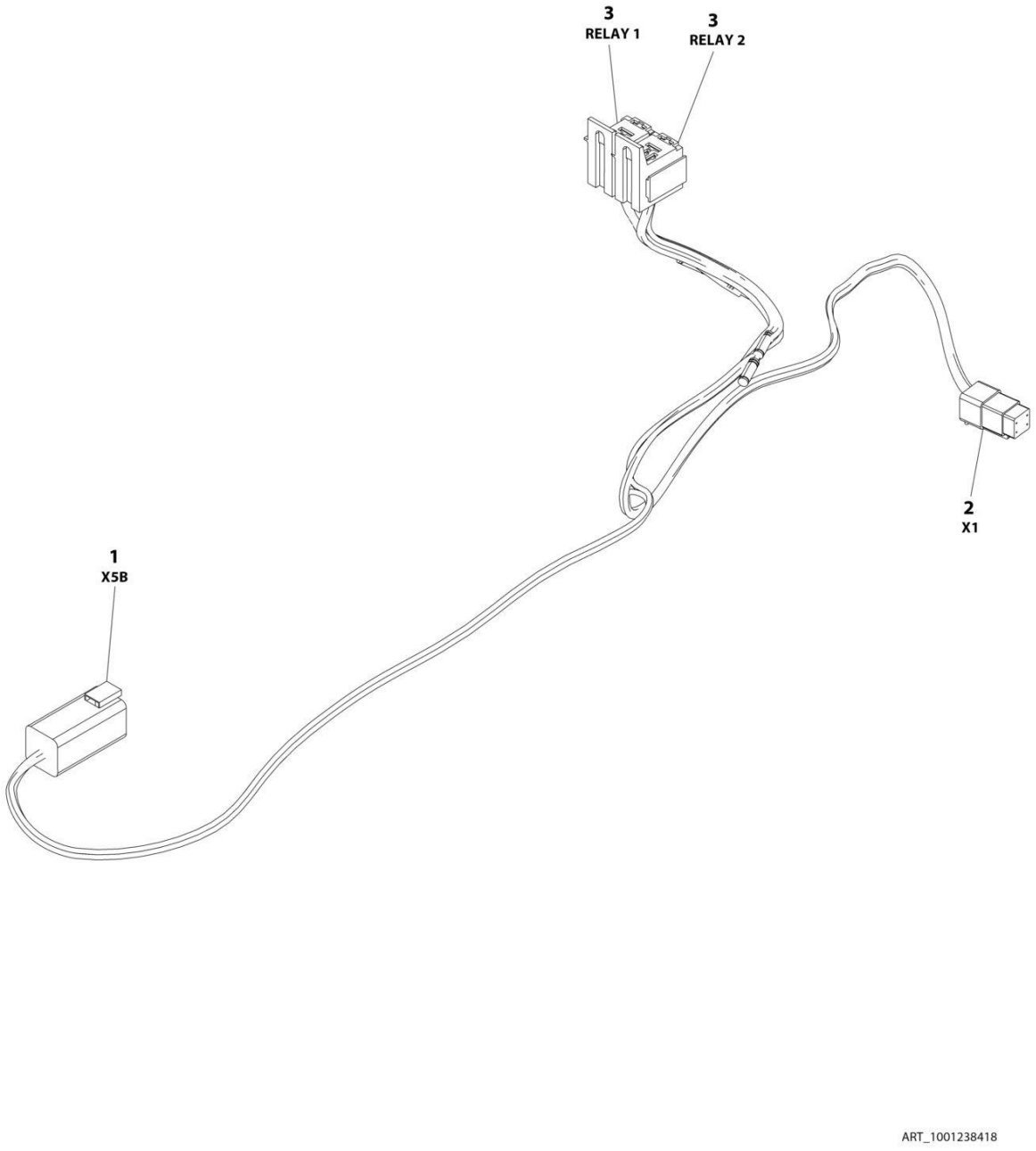


FIGURE 8-73. SKYLINE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238418	Ref	SKYLINE HARNESS	B
1	4460899	1	Connector - 6 Position	
1	4460464	4	Pin, Male	
1	4460466	2	Plug, Terminal	
2	4461077	1	Connector - 4 Position	
2	1001126009	4	Socket, Female	
3	1001186432	2	Plug, Relay	
3	1001118388	5	Terminal	
3	1001118384	3	Terminal	
3	3740086	2	Relay	

FIGURE 8-74. STROBE LIGHT CONTROL HARNESS

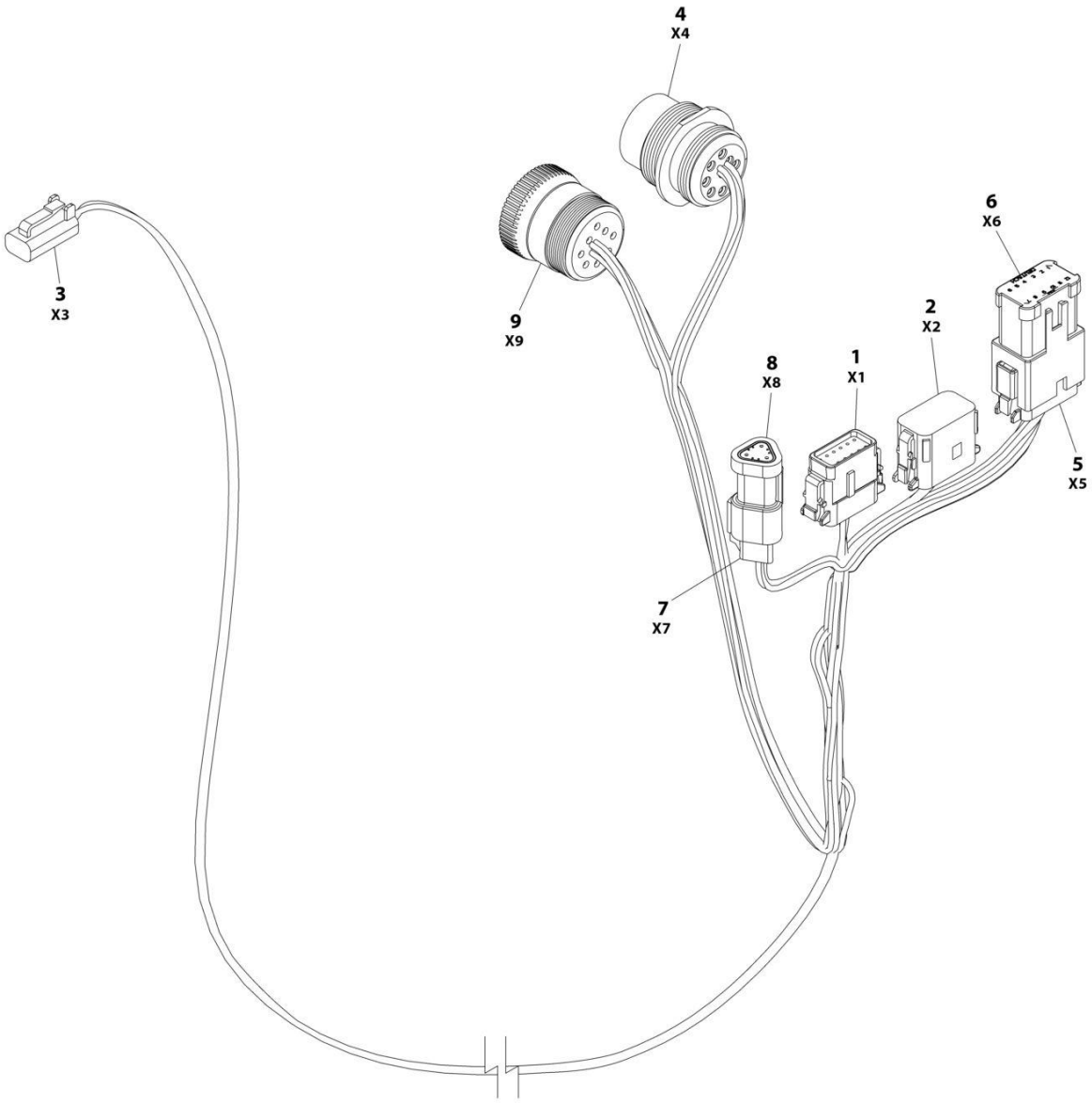
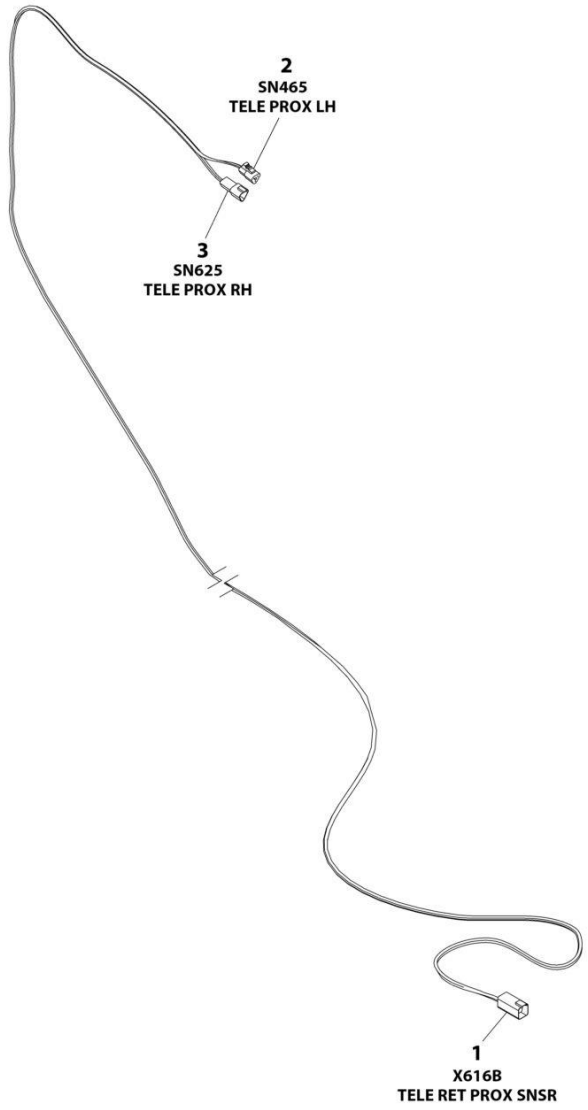


FIGURE 8-74. STROBE LIGHT CONTROL HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001142736	Ref	STROBE LIGHT HARNESS	F
1	1001116808	1	Plug, Male - 12 Position	
1	4460928	3	Socket, Female	
1	4460518	9	Plug, Terminal	
2	1001116774	1	Plug, Male - 12 Position	
2	4460928	3	Socket, Female	
2	4460518	9	Plug, Terminal	
3	4460891	1	Plug, Male - 2 Position	
3	4460465	2	Socket, Female	
4	1001112612	1	Connector - 9 Position	
4	4460464	6	Pin, Male	
4	4460466	3	Plug, Terminal	
5	4460933	1	Plug, Male - 12 Position	
5	4460465	12	Socket, Female	
6	1001119020	1	Bussbar - 12 Position	
7	4461095	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4461070	1	Bussbar - 3 Position	
9	1001112796	1	Connector - 9 Position	
9	4460465	6	Socket, Female	
9	4460466	3	Plug, Terminal	

FIGURE 8-75. TELE PROXIMITY HARNESS



ART_1001189003

FIGURE 8-75. TELE PROXIMITY HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001189003	Ref	TELE PROXIMITY HARNESS	E
1	4460899	1	Receptacle, Female - 6 Position	
1	4460464	6	Pin, Male	
2	4460539	1	Plug, Male - 3 Position	
2	4460465	3	Socket, Female	
3	4460536	1	Receptacle, Female - 3 Position	
3	4460464	3	Pin, Male	

FIGURE 8-76. TURNTABLE HARNESS

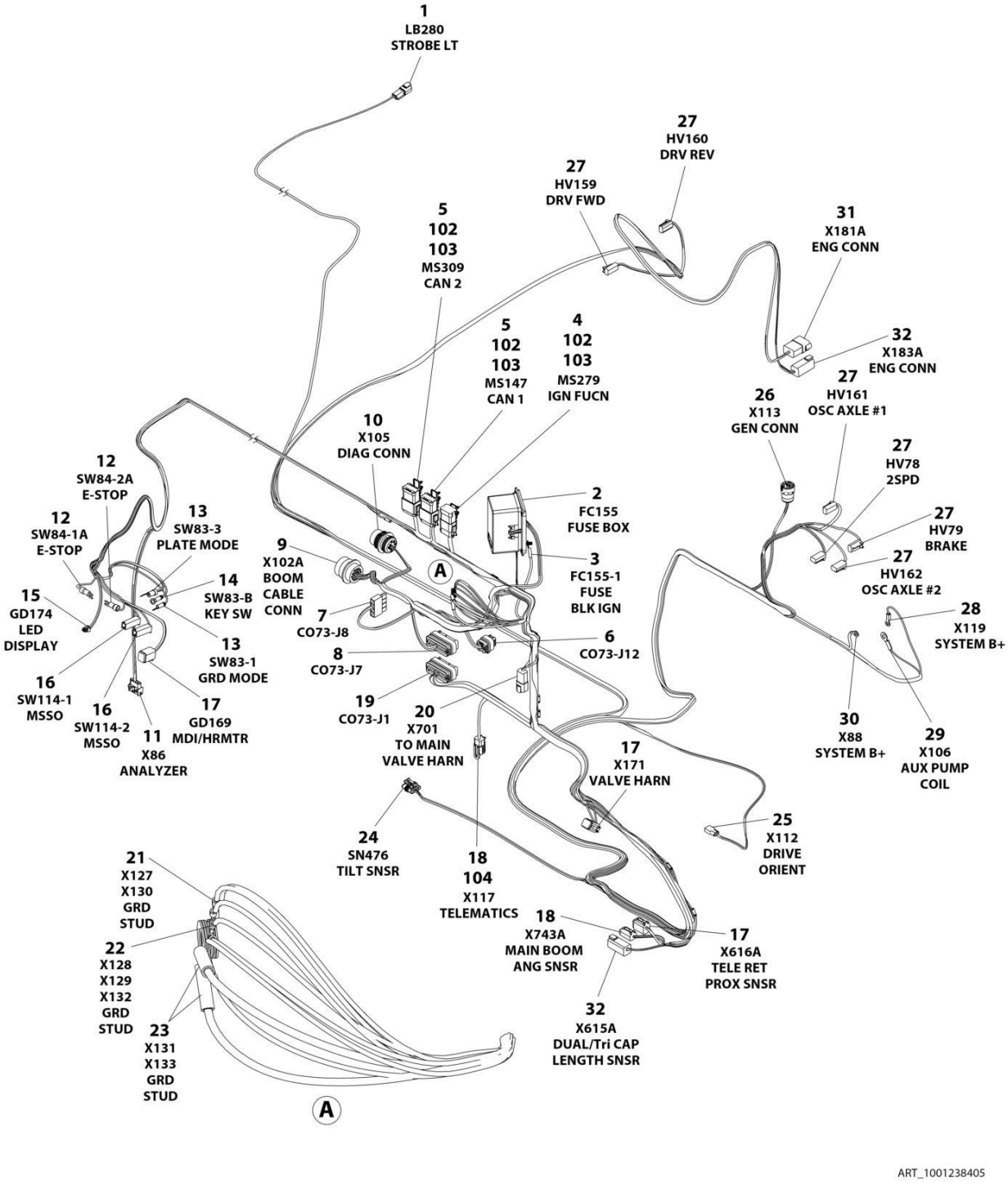


FIGURE 8-76. TURNTABLE HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238405	Ref	TURNTABLE HARNESS	H
1	4460897	1	Receptacle, Female - 2 Position	
1	4460464	9	Pin, Male	
2	1001196602	1	Box, Fuse Less Fuses	
2	1001196604	1	Cover, Box	
2	1001190921	1	Spacer, Foam	
2	1001196634	2	Fuse 2 Amp	
2	8229242	7	Fuse 5 Amp	
2	8229244	2	Fuse 15Amp	
2	1001095704	2	Relay	
2	1001196636	2	Diode 1 Amp	
2	8220098	6	Terminal	
2	8220089	6	Seal, Terminal	
2	8220097	19	Terminal	
2	4460458	19	Seal, Terminal	
2	4460748	10	Plug, Terminal	
3	1001117106	1	Terminal, Ring	
4	4460933	1	Plug, Male - 12 Position	
4	4460465	8	Socket, Female	
4	4460466	4	Seal, Terminal	
5	4460933	2	Plug, Male - 12 Position	
5	4460465	16	Socket, Female	
5	4460466	8	Plug, Terminal	
6	1001113961	1	Connector - 8 Position	
6	4460871	5	Socket, Female	
6	4460905	3	Plug, Terminal	
7	4460878	1	Plug, Male - 4 Position	
7	4460887	2	Socket, Female	
8	4460873	1	Connector - 35 Position	
8	4460871	26	Socket, Female	
8	4460905	9	Plug, Terminal	
9	4460866	1	Connector - 19 Position	
9	4460464	10	Pin, Male	
9	4460508	2	Pin, Male	
9	4460466	7	Plug, Terminal	
10	1001112612	1	Connector - 9 Position	
10	4460464	5	Pin, Male	
10	4460466	4	Plug, Terminal	
11	1001119032	1	Receptacle, Female - 4 Position	
11	1001118378	4	Pin, Male	
12	4460183	2	Terminal, Ring	
13	4460042	2	Terminal, Ring	
14	4460247	1	Terminal, Ring	
15	1001237667	1	Plug, Male - 6 Position	
15	1001237668	5	Terminal	
16	4460260	2	Cover, Terminal	
16	4460259	2	Terminal	
17	4460894	3	Plug, Male - 6 Position	
17	4460465	13	Socket, Female	
17	4460466	5	Plug, Terminal	

SECTION 8 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	4460884	2	Plug, Male - 4 Position	
18	4460465	8	Socket, Female	
19	4460874	1	Connector - 35 Position	
19	4460871	21	Socket, Female	
19	4460905	14	Plug, Terminal	
20	4460932	1	Receptacle, Female - 4 Position	
20	4460464	4	Pin, Male	
21	1001187078	2	Terminal, Ring	
22	1001187077	3	Terminal, Ring	
23	1001117110	2	Terminal, Ring	
24	1001103012	1	Plug, Male - 4 Position	
24	1001107854	4	Terminal	
25	4460424	1	Receptacle, Female - 2 Position	
25	4460226	2	Socket, Female	
26	4460967	1	Plug, Male - 3 Position	
26	4460465	3	Socket, Female	
27	4460891	6	Plug, Male - 2 Position	
27	4460465	12	Socket, Female	
28	4460703	1	Terminal, Ring	
29	4460702	1	Terminal, Ring	
30	8220045	1	Terminal, Ring	
31	4460931	1	Receptacle, Female - 8 Position	
31	4460464	5	Pin, Male	
31	4460466	3	Socket, Female	
32	4460899	2	Receptacle, Female - 6 Position	
32	4460464	11	Pin, Male	
32	4460466	1	Seal, Terminal	
102	1001125677	3	Connector, Bussbar	
103	1001121172	3	Mount, Connector	
104	1001192401	1	Cap, Dust	

FIGURE 8-77. VALVE HARNESS - MAIN CONTROL (2WS)

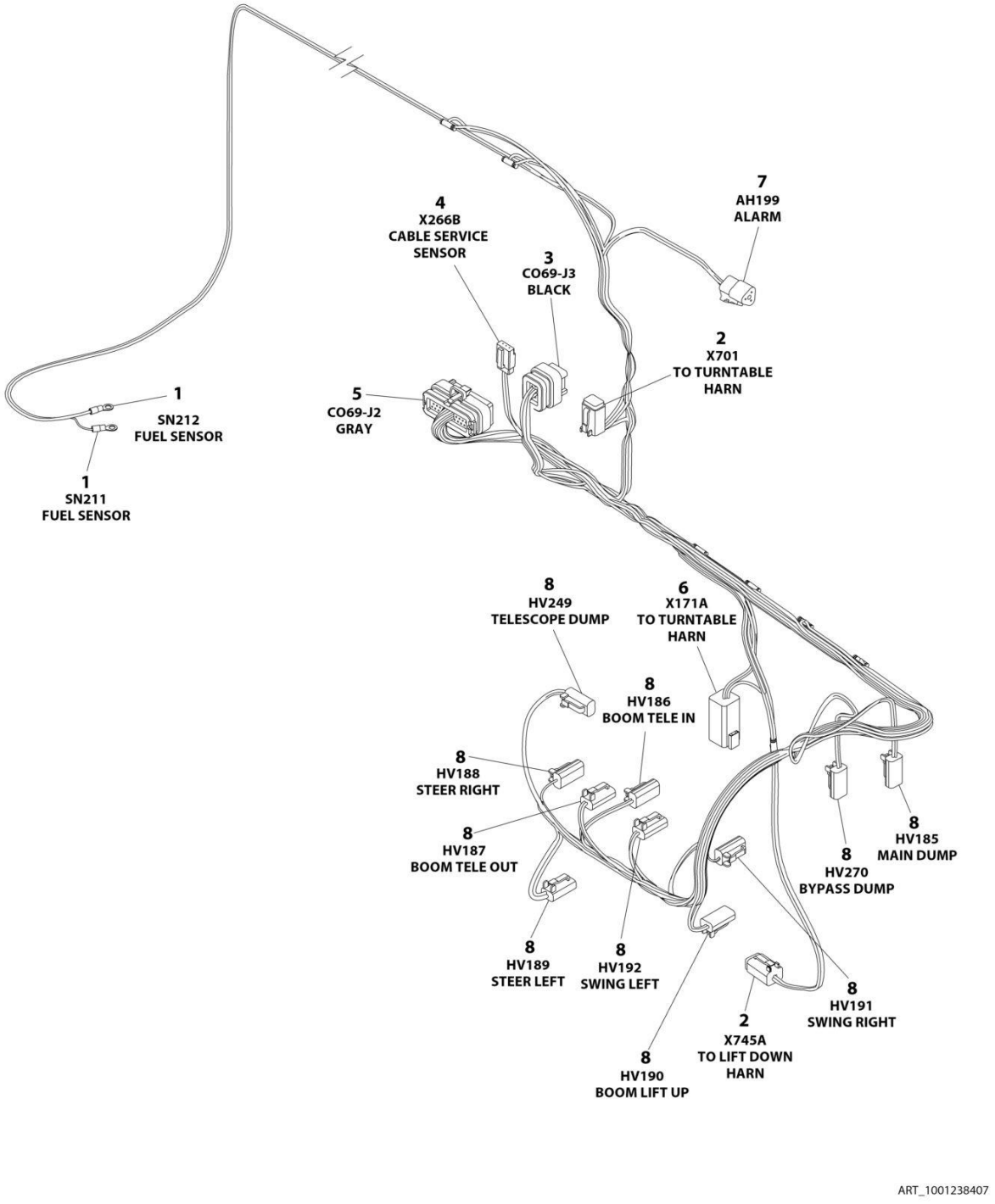


FIGURE 8-77. VALVE HARNESS - MAIN CONTROL (2WS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238407	Ref	MAIN VALVE HARNESS	B
1	4460313	2	Terminal, Ring	
2	4460884	2	Plug, Male - 4 Position	
2	4460465	8	Socket, Female	
3	4460872	1	Connector - 14 Position	
3	4460871	10	Socket, Female	
3	4460905	4	Plug, Terminal	
4	4460911	1	Plug, Male - 3 Position	
4	1001116694	3	Socket, Female	
5	4460875	1	Connector - 35 Position	
5	4460871	24	Socket, Female	
5	4460905	11	Plug, Terminal	
6	4460899	1	Receptacle, Female - 6 Position	
6	4460464	6	Pin, Male	
7	4460539	1	Plug, Male - 3 Position	
7	4460465	3	Socket, Female	
8	4460891	10	Plug, Male - 2 Position	
8	4460465	20	Socket, Female	

FIGURE 8-78. VALVE HARNESS - MAIN CONTROL (4WS)

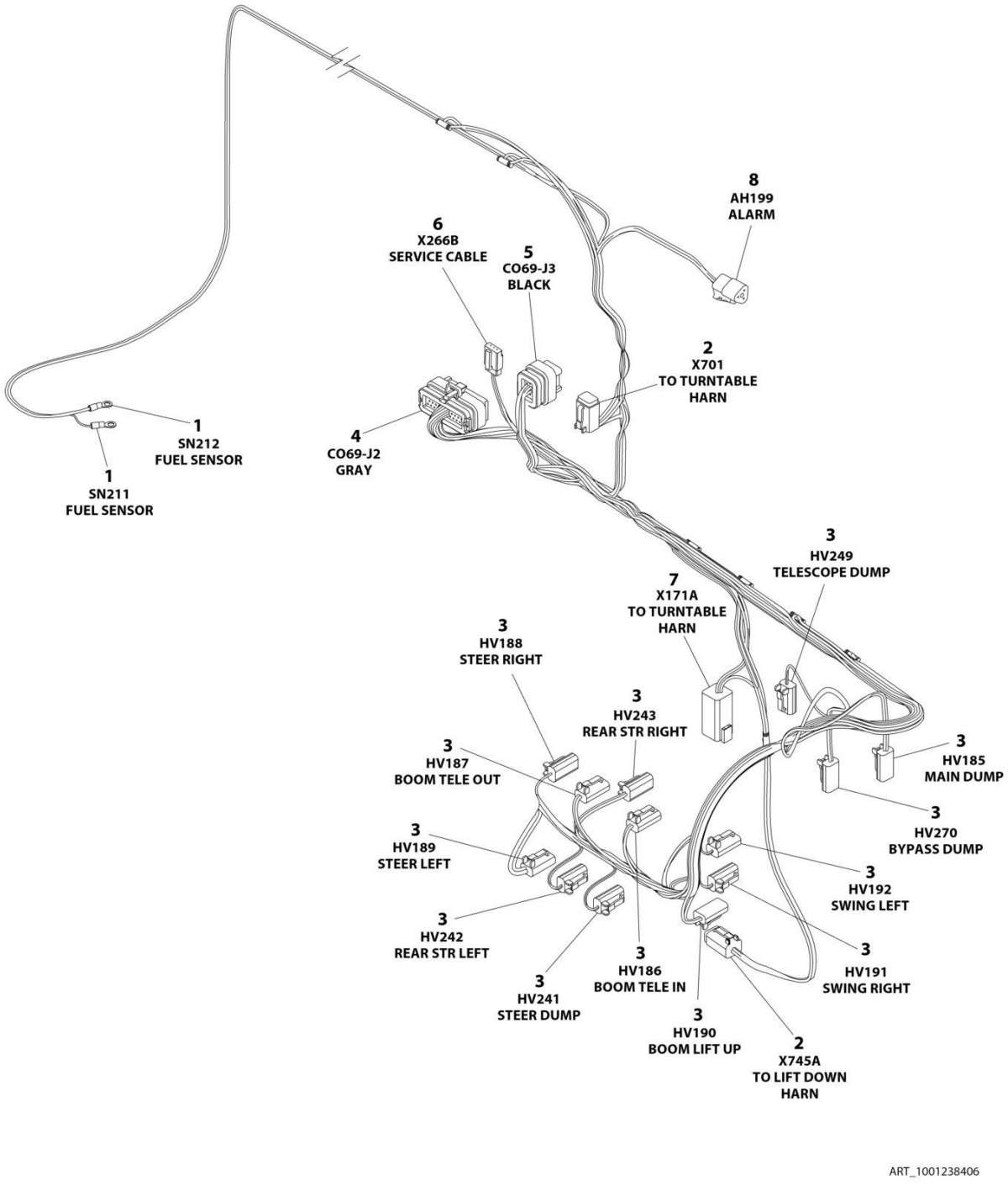


FIGURE 8-78. VALVE HARNESS - MAIN CONTROL (4WS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001238406	Ref	MAIN VALVE HARNESS	B
1	4460313	2	Terminal, Ring	
2	4460884	2	Plug, Male - 4 Position	
2	4460465	8	Socket, Female	
3	4460891	13	Plug, Male - 2 Position	
3	4460465	26	Socket, Female	
4	4460875	1	Connector - 35 Position	
4	4460871	28	Socket, Female	
4	4460905	7	Plug, Terminal	
5	4460872	1	Connector - 14 Position	
5	4460871	10	Socket, Female	
5	4460905	4	Plug, Terminal	
6	4460911	1	Plug, Male - 3 Position	
6	1001116694	3	Socket, Female	
7	4460899	1	Receptacle, Female - 6 Position	
7	4460464	6	Pin, Male	
8	4460539	1	Plug, Male - 3 Position	
8	4460465	3	Socket, Female	

FIGURE 8-79. VALVE HARNESS - PLATFORM (600S)

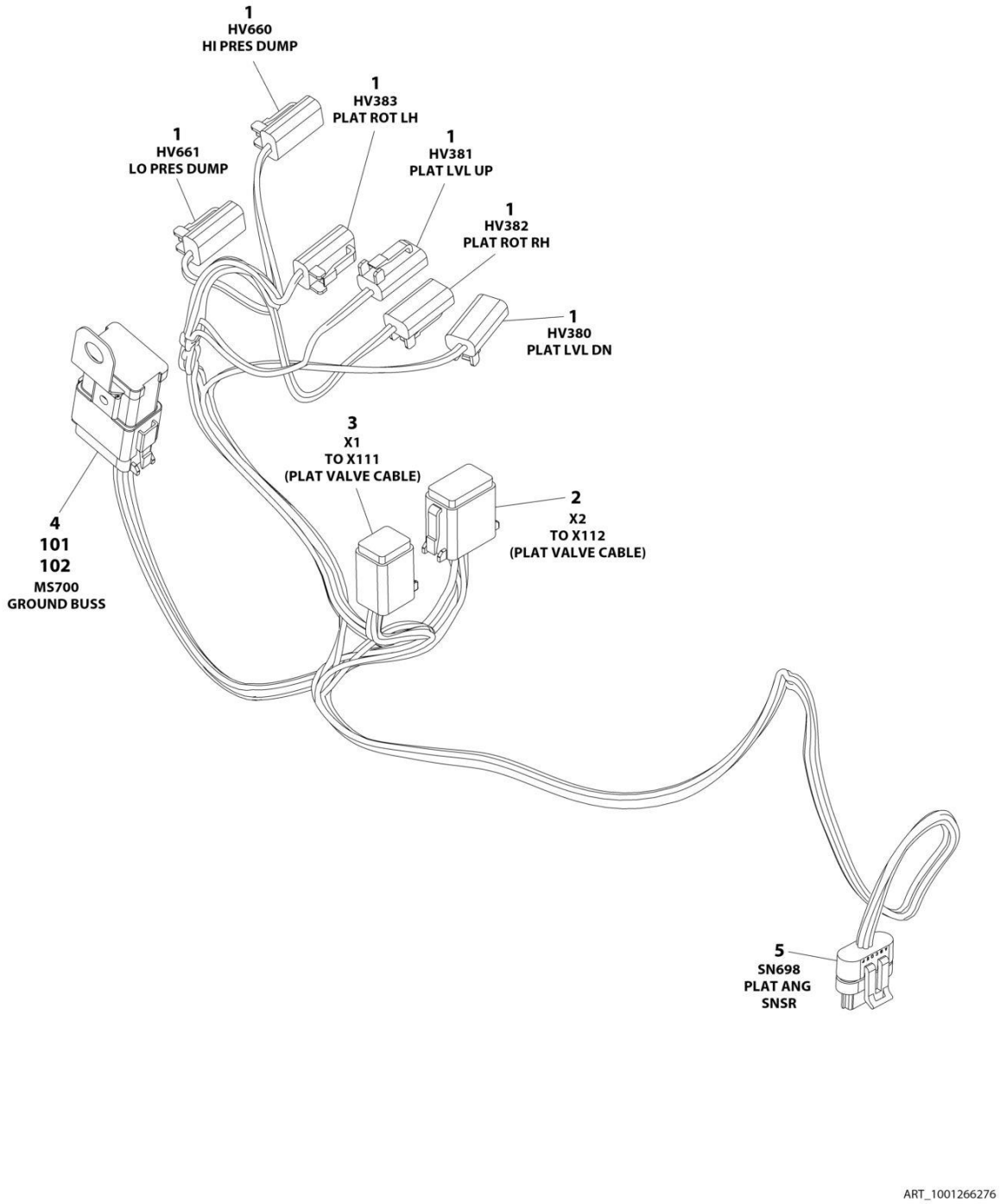


FIGURE 8-79. VALVE HARNESS - PLATFORM (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001266276	Ref	PLATFORM VALVE HARNESS	A
1	4460891	1	Connector	
2	4460465	2	Terminal	
3	4460891	1	Connector	
4	4460465	2	Terminal	
5	4460891	1	Connector	
6	4460465	2	Terminal	
7	4460891	1	Connector	
8	4460465	2	Terminal	
9	4460891	1	Connector	
10	4460465	2	Terminal	
11	4460891	1	Connector	
12	4460465	2	Terminal	
13	4460930	1	Connector	
14	4460465	7	Terminal	
15	4460466	1	Plug	
16	4460894	1	Connector	
17	4460465	6	Terminal	
18	4460836	1	Connector	
19	4460465	7	Terminal	
20	4460466	5	Plug	
21	1001230931	1	Connector	
22	1001116748	6	Terminal	
23	4460837	1	Connector	
24	1001120328	1	Mount	

FIGURE 8-80. VALVE HARNESS - PLATFORM (A92.20) (660SJ)

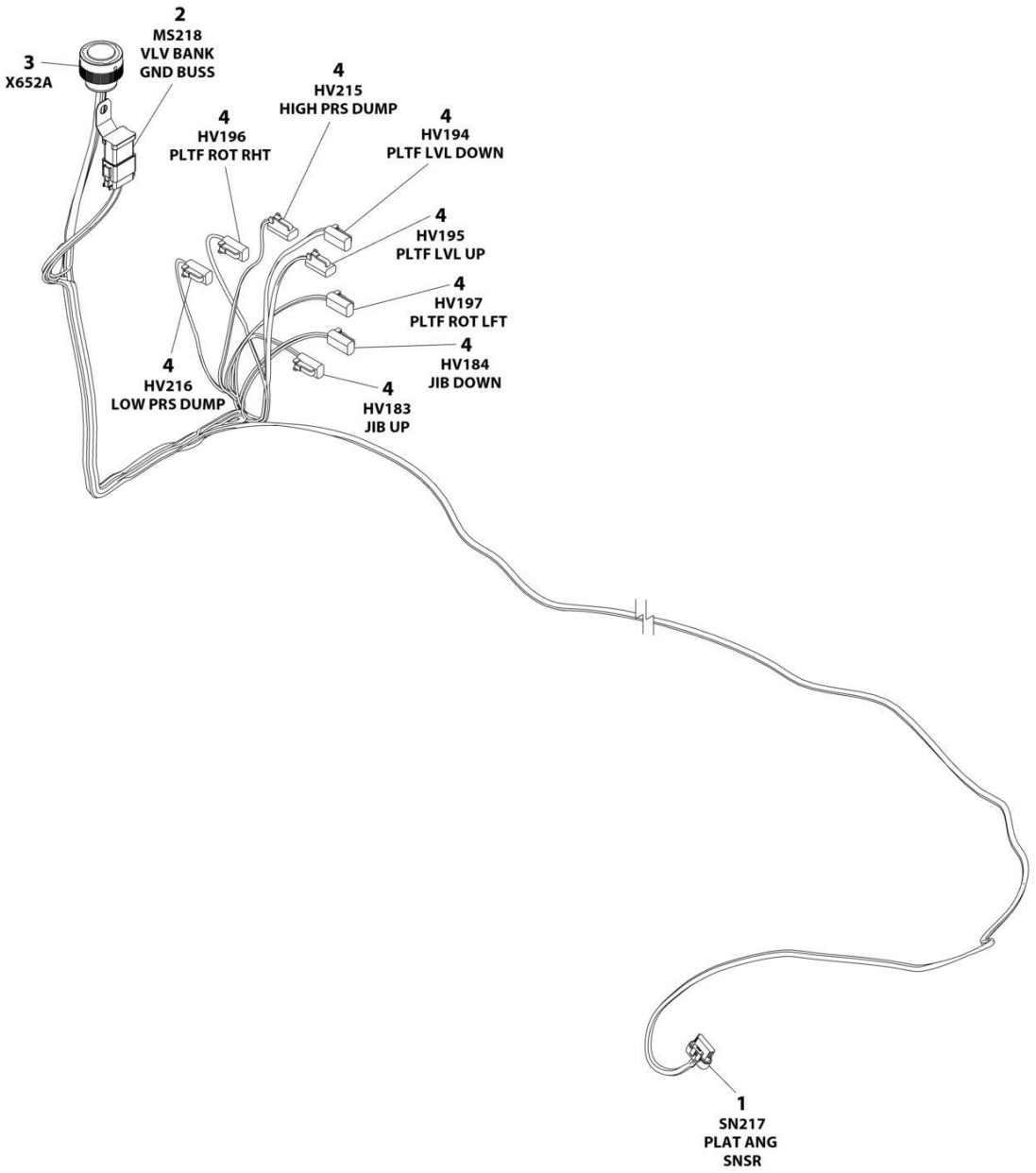


FIGURE 8-80. VALVE HARNESS - PLATFORM (A92.20) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264338	Ref	PLATFORM VALVE HARNESS	A
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	6	Terminal	
2	4460836	1	Plug, Male - 12 Position	
2	4460465	9	Socket, Female	
2	4460466	3	Plug, Terminal	
2	4460837	1	Connector, Bussbar	
2	1001120328	1	Clip, Mounting	
3	4460926	1	Connector - 21 Position	
3	4460928	15	Socket, Female	
3	4460518	6	Plug, Terminal	
4	4460891	8	Plug, Male - 2 Position	
4	4460465	16	Socket, Female	

FIGURE 8-81. VALVE HARNESS - PLATFORM (A92.5) (660SJ)

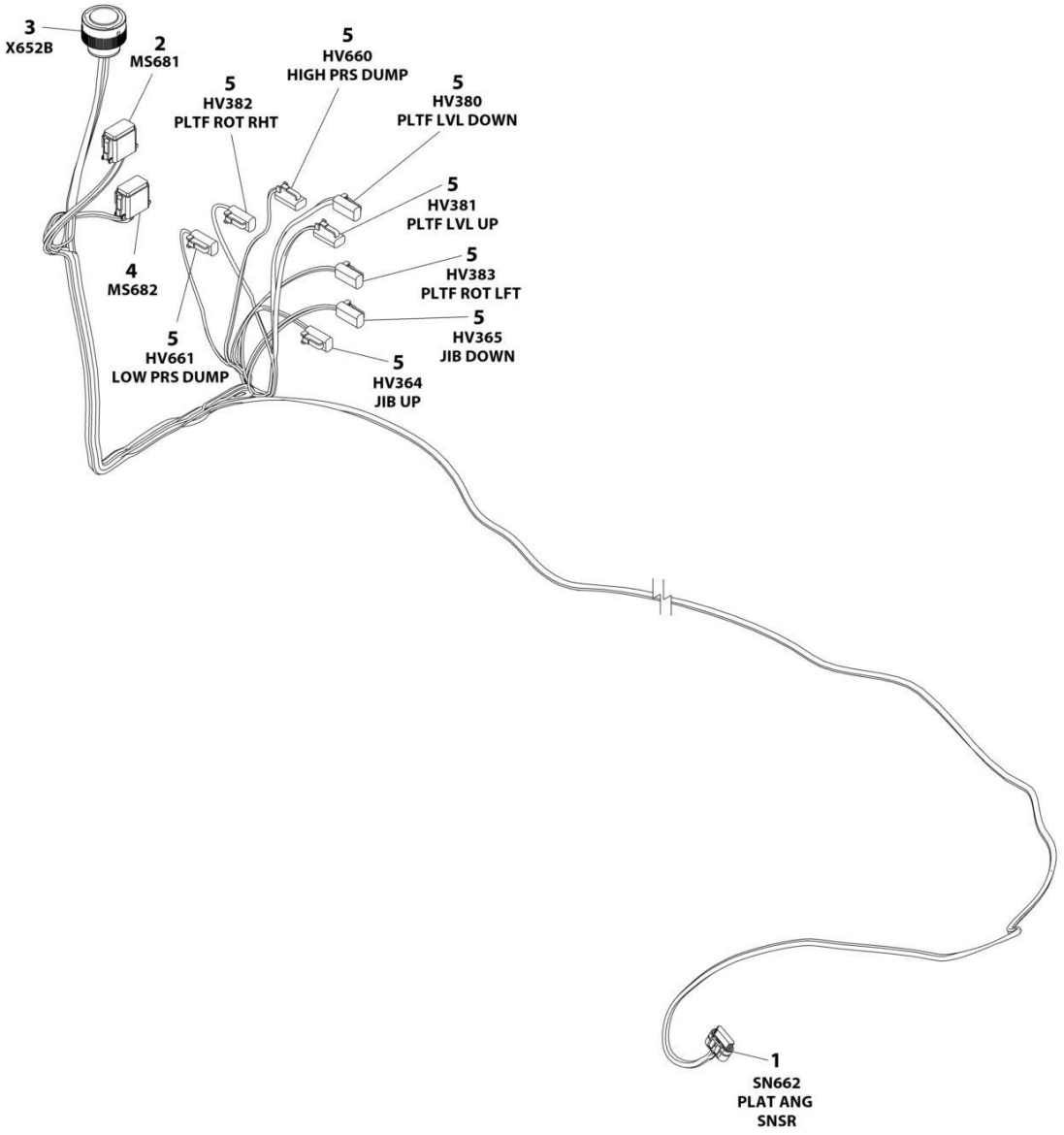


FIGURE 8-81. VALVE HARNESS - PLATFORM (A92.5) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001264337	Ref	PLATFORM VALVE HARNESS (A92.5)	A
1	1001230931	1	Plug, Male - 6 Position	
1	1001116748	6	Terminal	
2	4460933	1	Connector	
2	1001125677	1	Connector, Bussbar	
2	1001120328	1	Clip, Mounting	
2	4460466	6	Plug, Terminal	
2	4460465	6	Socket, Female	
3	4460926	1	Connector - 21 Position	
3	4460928	13	Socket, Female	
3	4460518	8	Plug, Terminal	
4	4460836	1	Plug, Male - 12 Position	
4	4460837	1	Connector, Bussbar	
4	1001120328	1	Clip, Mounting	
4	4460465	9	Socket, Female	
4	4460466	3	Plug, Terminal	
5	4460891	8	Plug, Male - 2 Position	
5	4460465	16	Socket, Female	

FIGURE 8-82. WHITE NOISE ALARM HARNESS

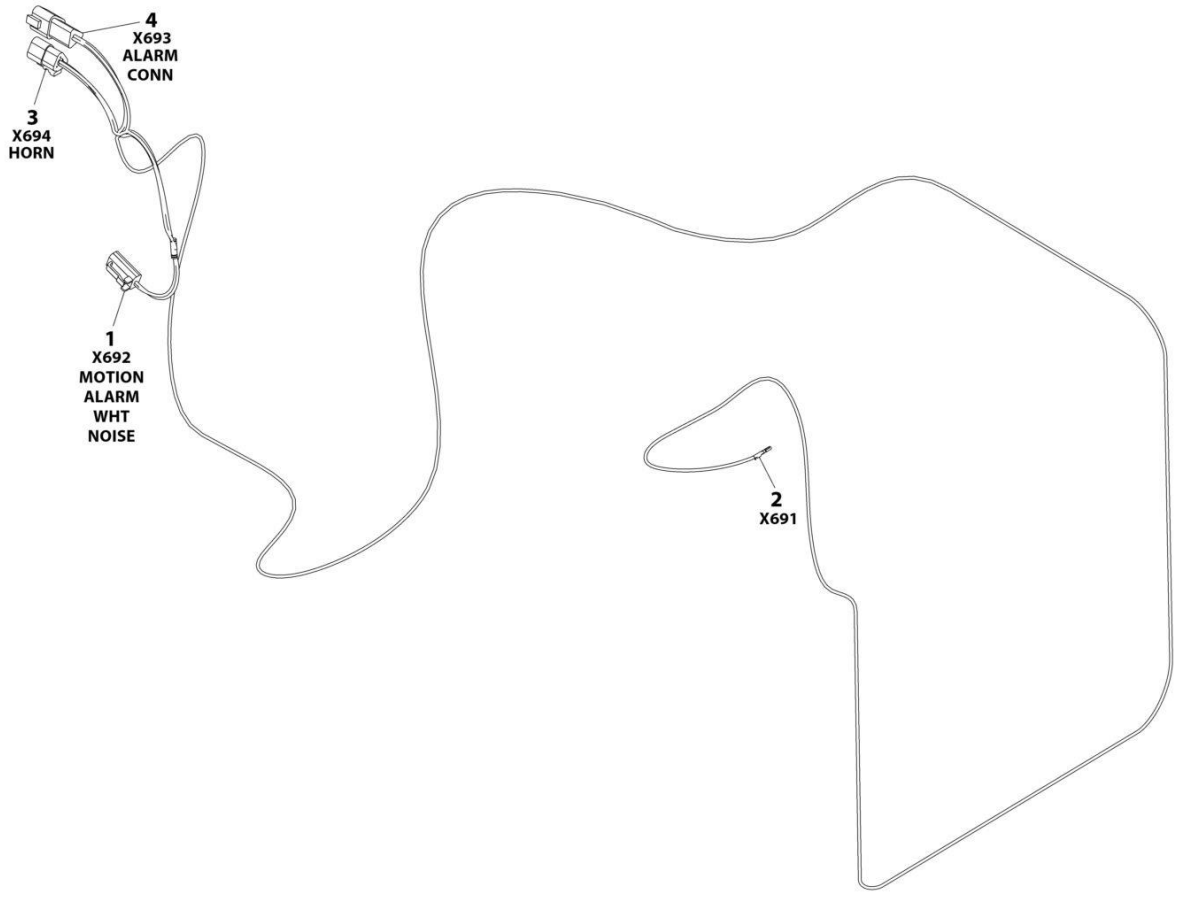


FIGURE 8-82. WHITE NOISE ALARM HARNESS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001243682	Ref	WHITE NOISE ALARM HARNESS	A
1	4460891	1	Plug, Male - 2 Position	
1	4460465	2	Socket, Female	
2	4460871	1	Terminal	
3	4460539	1	Plug, Male- 3 Position	
3	4460465	3	Socket, Female	
4	4460536	1	Receptacle, Female- 3 Position	
4	4460464	3	Pin, Male	

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FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE) (600S)

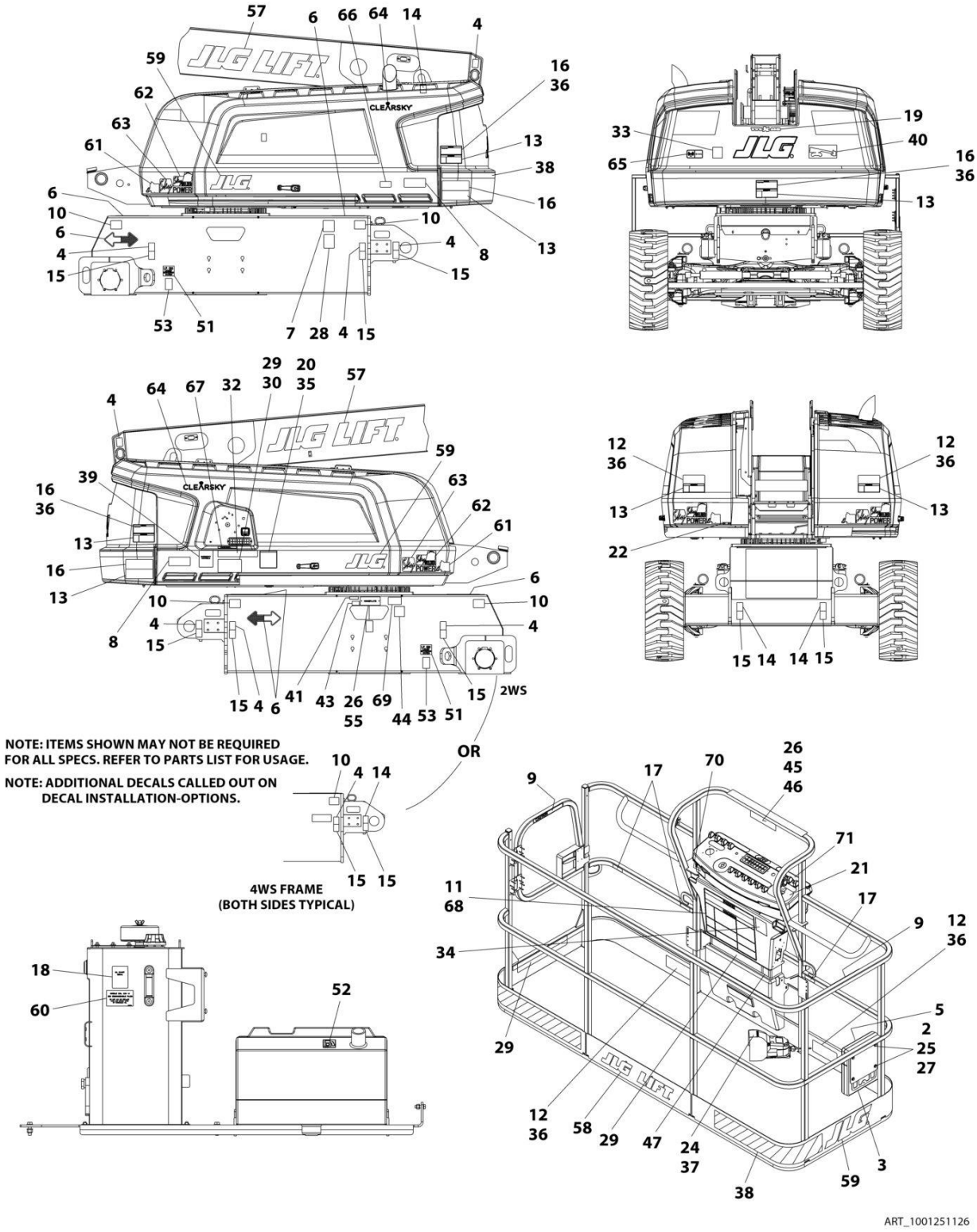


FIGURE 9-1. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251126	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267306	2	Decal - 600S	
9	1702868	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703797	1	Decal - Danger/Warning	
12	1703804	4	Decal - Warning/Crushing	
13	1703805	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal -Tie Down	
16	1703953	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705336	1	Decal - Danger/Warning	
21	1705351	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	3252347	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
28	1001131269	1	Decal - Patent	
29	1001254665	1	Decal - Warning Dual Capacity	
30	1001254666	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
43	1001223453	1	Decal - ICES (Canada)	
44	1001223055	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES) (600S)

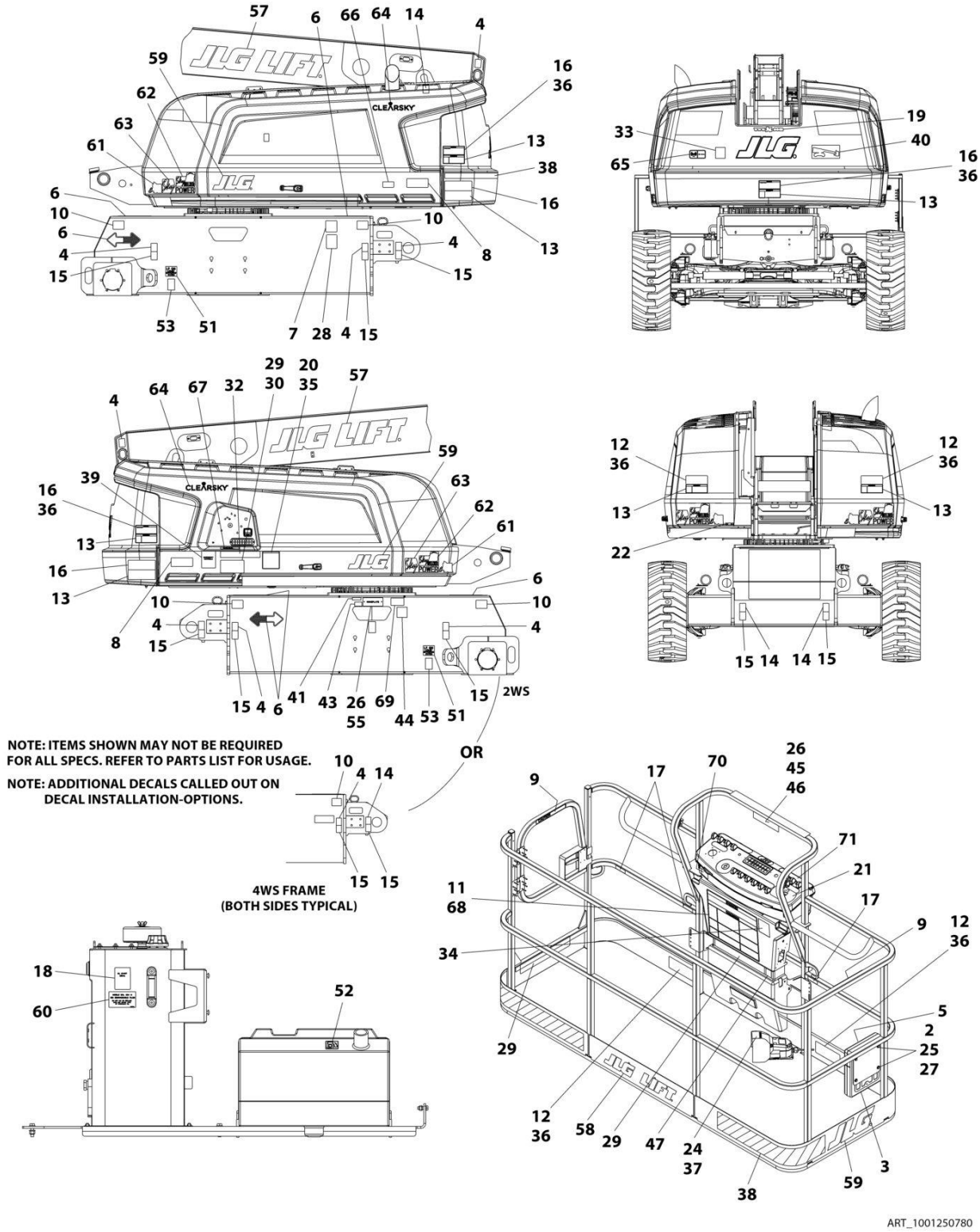


FIGURE 9-2. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250780	Ref	DECAL INSTALLATION	F
2	0700610	4	Bot M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/LIft	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267306	2	Decal - 600S	
9	1704002	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703928	1	Decal - Danger/Warning	
12	1703952	4	Decal - Warning/Crushing	
13	1703940	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703946	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705349	1	Decal - Warning/Inspection	
21	1001113680	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703985	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254673	1	Decal - Warning Dual Capacity	
30	1001254674	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224052	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-3. DECAL INSTALLATION (CE & UK CA SPECS - ENGLISH LANGUAGE) (600S)

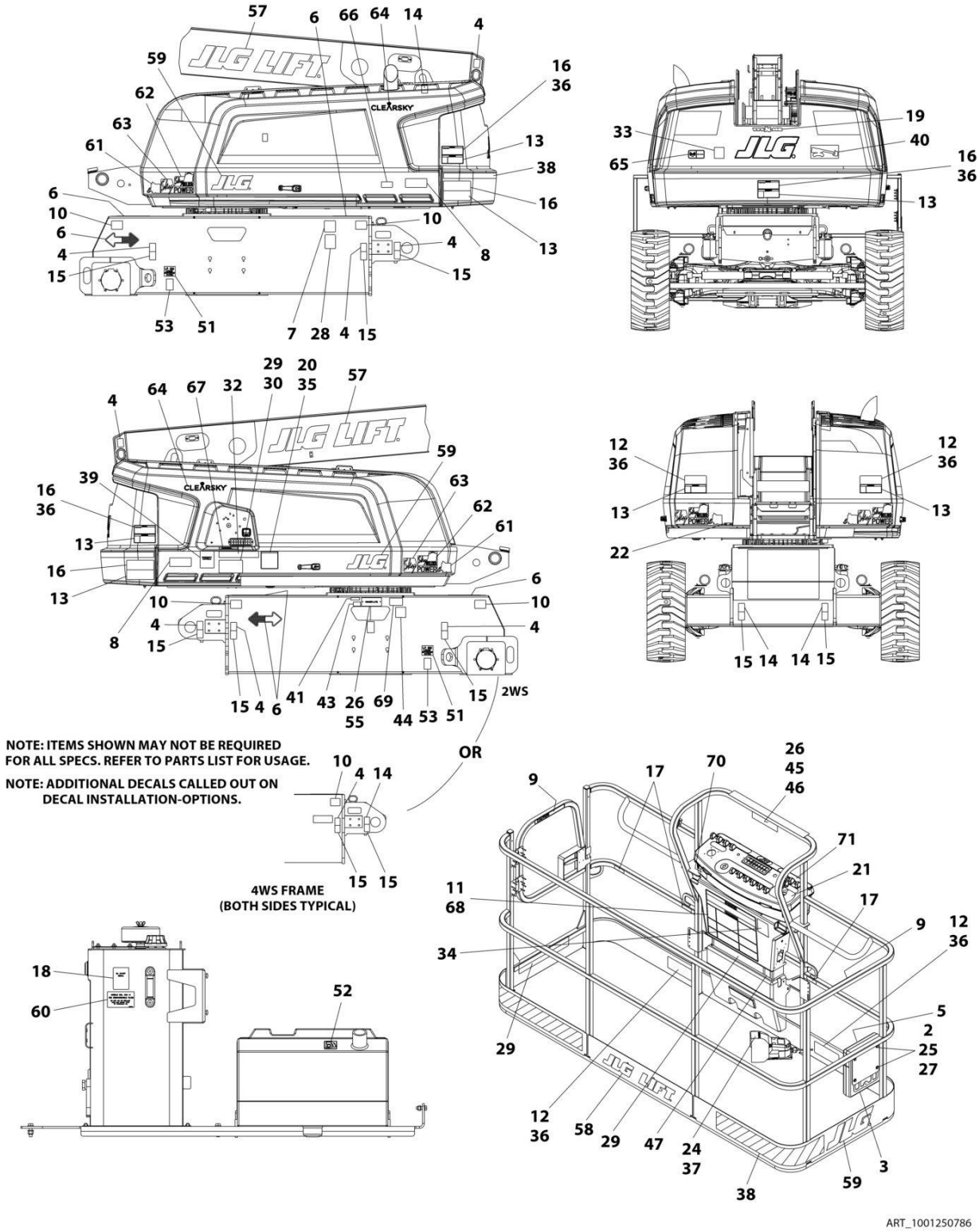


FIGURE 9-3. DECAL INSTALLATION (CE & UK CA SPECS - ENGLISH LANGUAGE) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250786	Ref	DECAL INSTALLATION	E
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267306	2	Decal - 600S	
10	1001216059	4	Decal - Maximum Tire Load	
13	1705961	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001185237	2	Decal - Warning Maximum Capacity	
34	1705921	1	Decal - Tipping/Electrocution	
35	1705822	1	Decal - Electrocution/Safety Manual	
36	1701518	7	Decal - Crushing	
37	1705828	1	Nameplate - Footswitch	
38	4420051	208 in/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
57	1001159323	2	Decal - JLG	
59	1702773	3	Decal - JLG	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-4. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/SIMPLIFIED CHINESE LANGUAGES) (600S)

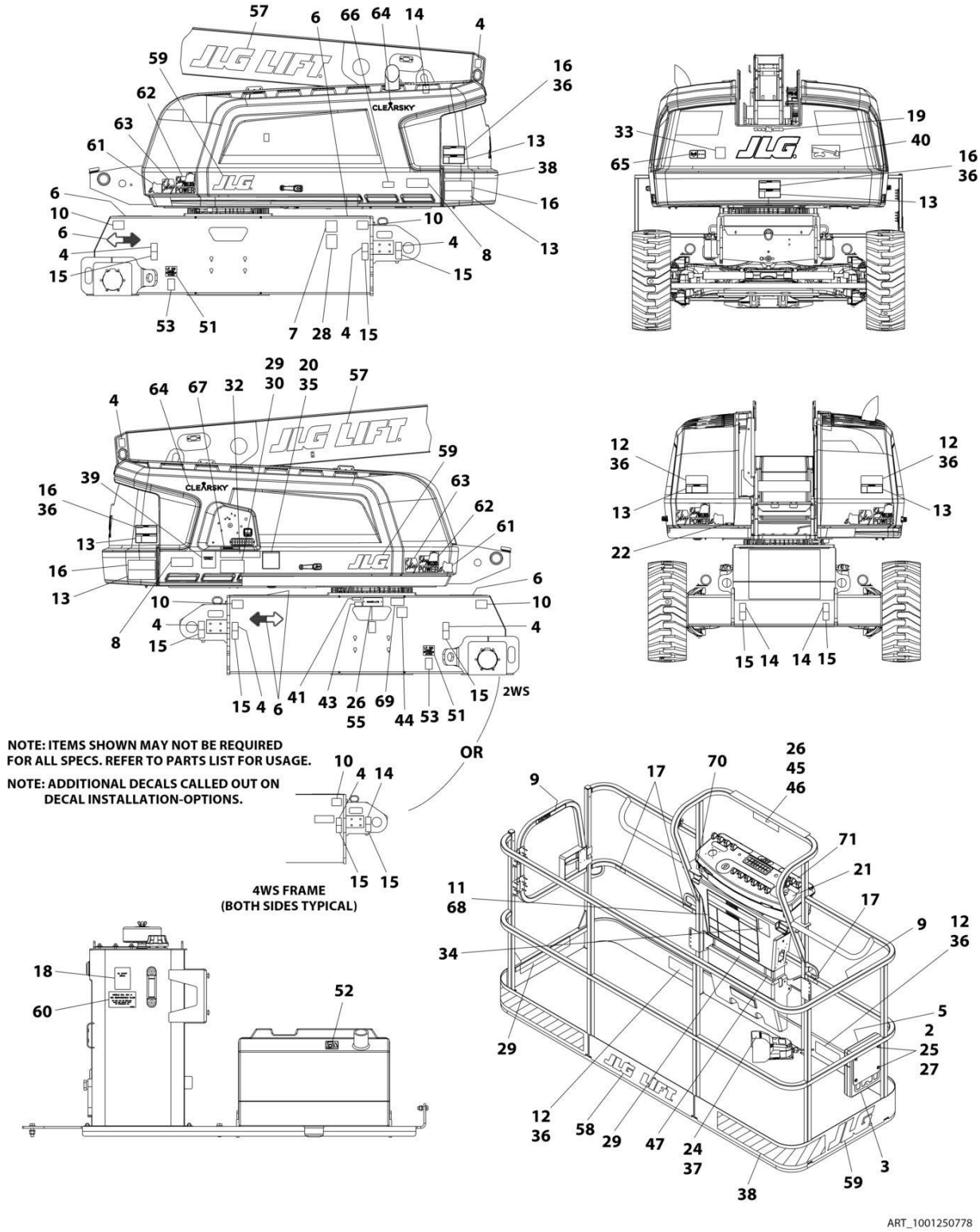


FIGURE 9-4. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/SIMPLIFIED CHINESE LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250778	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267306	2	Decal - 600S	
9	1705968	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1001116847	1	Decal - Warning	
12	1001116850	4	Decal - Warning/Crushing	
13	1703937	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1001116845	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1001116848	1	Decal - Warning/Inspection	
21	1705430	1	Decal - Drive Steer	
22	3251243	1	Decal - 120V/60Hz	
24	1001116852	1	Decal - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254679	1	Decal - Warning Dual Capacity	
30	1001254680	1	Decal - Warning Dual Capacity	
38	4420051	208 ft/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224051	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-5. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/TRADITIONAL CHINESE LANGUAGES) (600S)

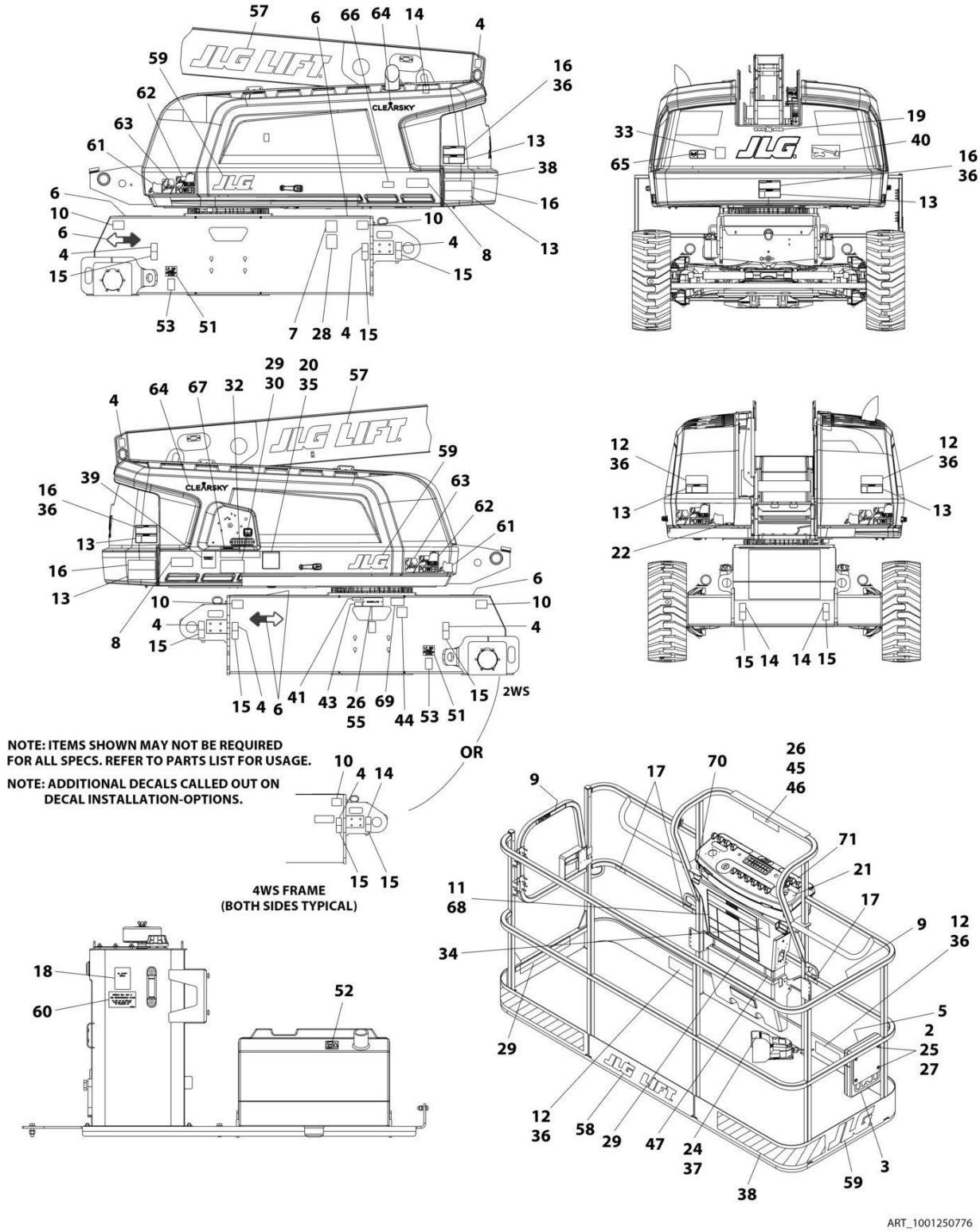


FIGURE 9-5. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/TRADITIONAL CHINESE LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250776	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	1	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267306	2	Decal - 600S	
9	1001116846	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703925	1	Decal - Danger/Warning	
12	1703949	4	Decal - Crushing	
13	1001116851	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703943	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1001116849	1	Decal - Warning/Inspection	
21	1001116863	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703982	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254671	1	Decal - Warning Dual Capacity	
30	1001254672	1	Decal - Warning Dual Capacity	
38	4420051	208 in/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224050	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-6. DECAL INSTALLATION (CSA SPECS - ENGLISH/FRENCH LANGUAGES) (600S)

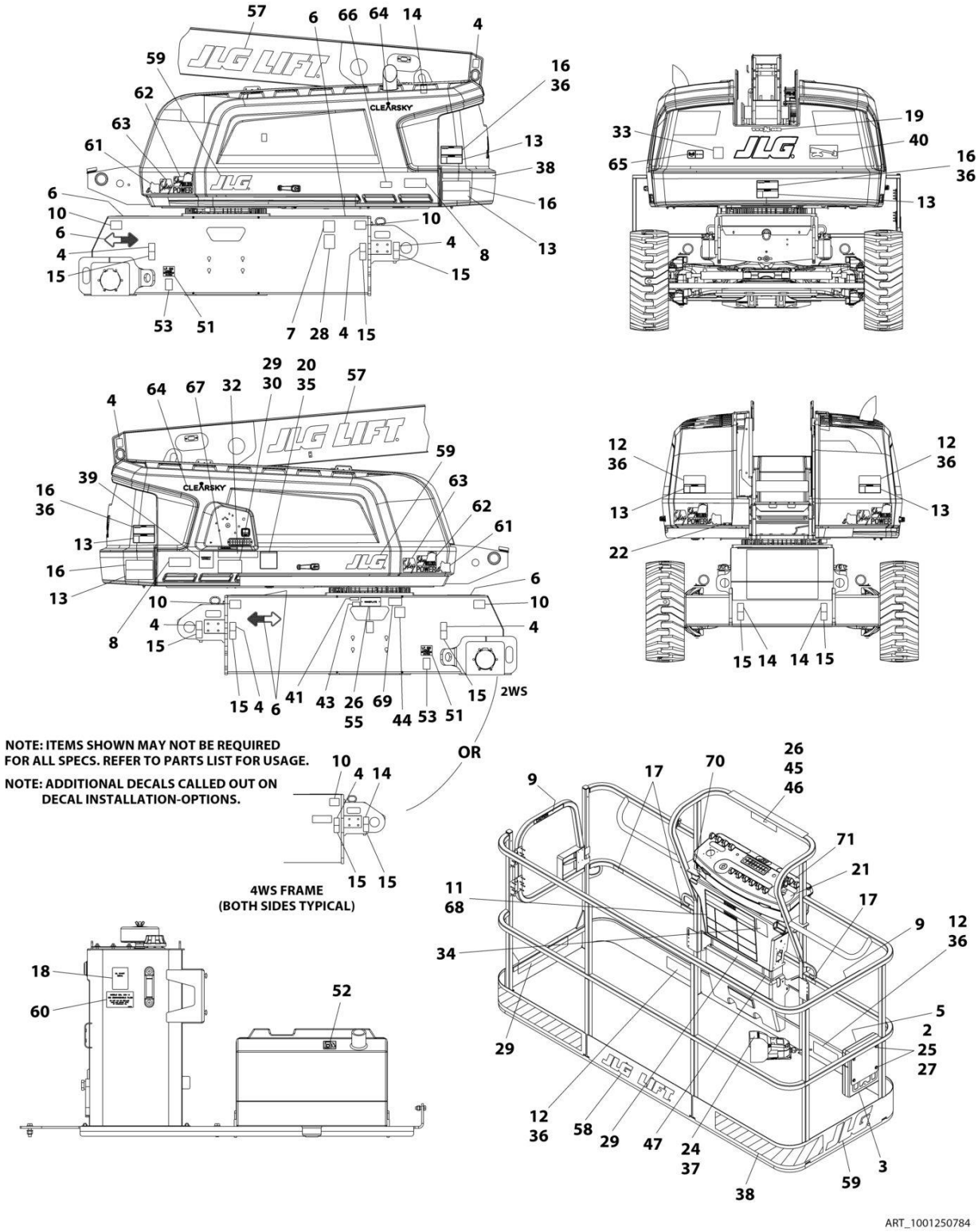


FIGURE 9-6. DECAL INSTALLATION (CSA SPECS - ENGLISH/FRENCH LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250784	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267306	2	Decal - 600S	
9	1704000	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703924	1	Decal - Danger/Warning	
12	1703948	4	Decal - Warning/Crushing	
13	1703936	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703942	3	Decal - Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705347	1	Decal - Warning/Inspection	
21	1705429	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703984	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
28	1001131269	1	Decal - Patent	
29	1001254667	1	Decal - Warning Dual Capacity	
30	1001254668	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
43	1001223453	1	Decal - ICES (Canada)	
44	1001223971	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-7. DECAL INSTALLATION (JAPANESE SPECS - ENGLISH/JAPANESE LANGUAGES) (600S)

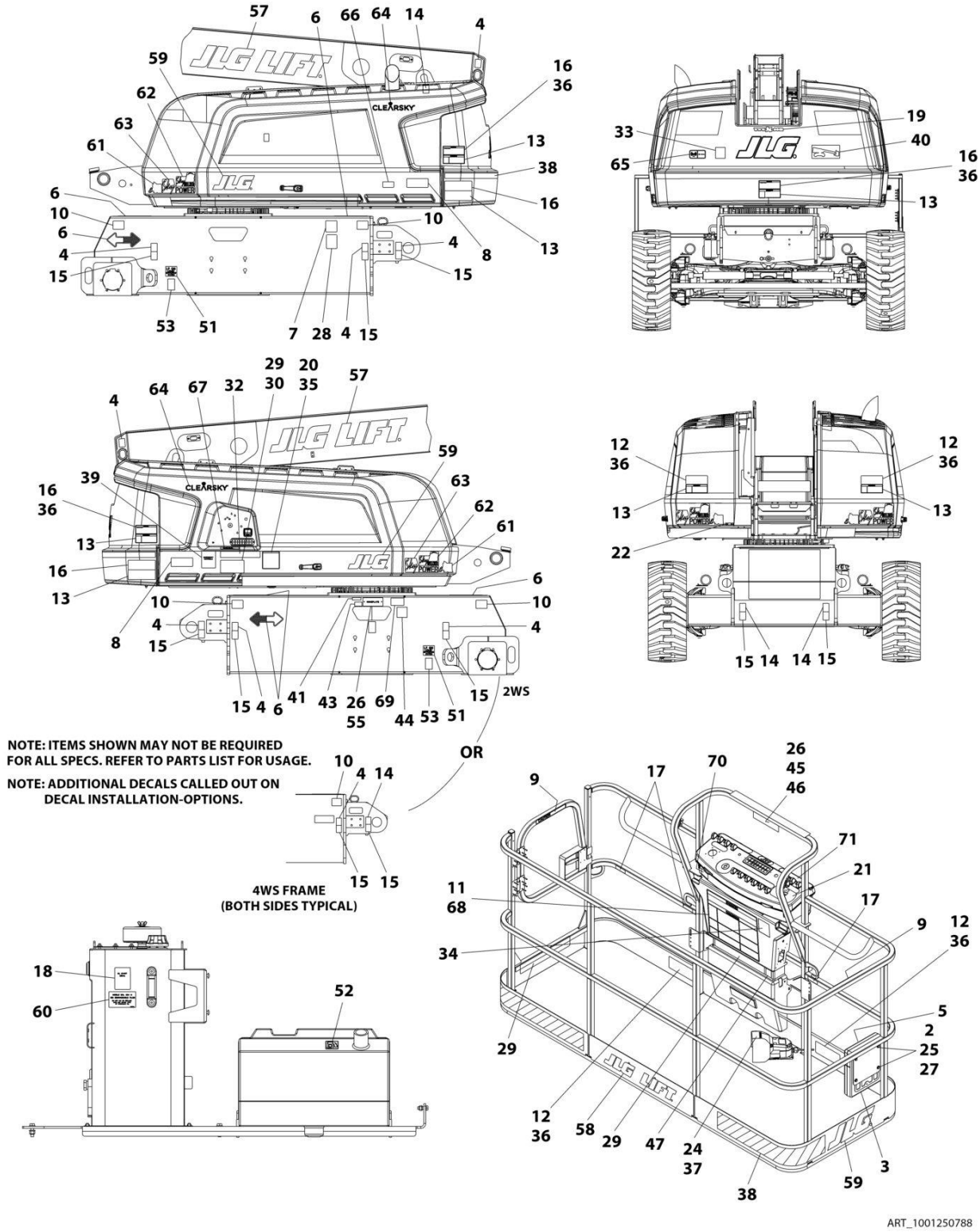


FIGURE 9-7. DECAL INSTALLATION (JAPANESE SPECS - ENGLISH/JAPANESE LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250788	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267306	2	Decal - 600S	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703926	1	Decal - Danger/Warning	
12	1703950	4	Decal - Crushing	
13	1703938	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703944	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705344	1	Decal - Warning/Inspection	
21	1705426	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703980	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254677	1	Decal - Warning Dual Capacity	
30	1001254678	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224053	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-8. DECAL INSTALLATION (KOREAN SPECS - ENGLISH/KOREAN LANGUAGES) (600S)

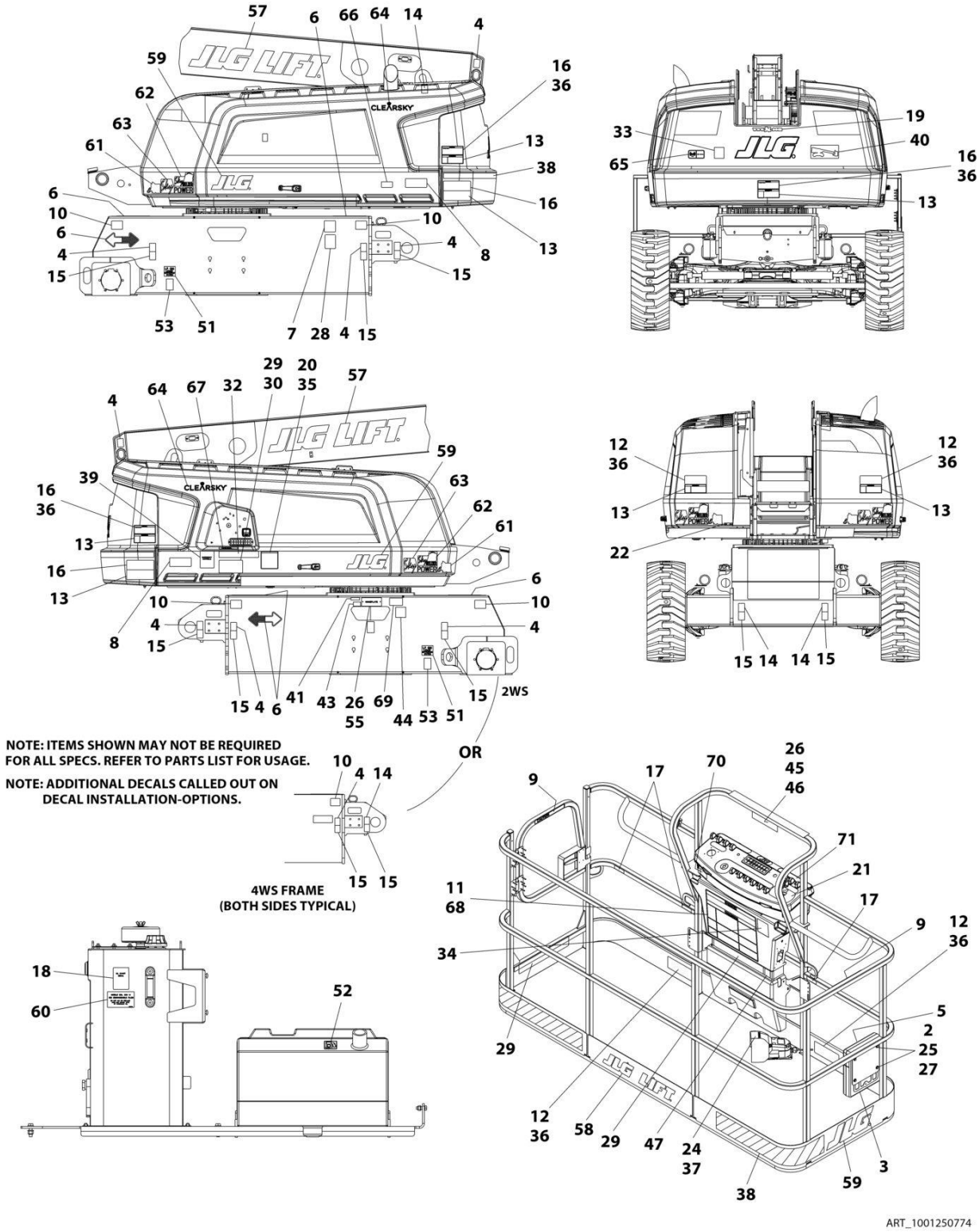


FIGURE 9-8. DECAL INSTALLATION (KOREAN SPECS - ENGLISH/KOREAN LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250774	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267306	2	Decal - 600S	
9	1705969	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703927	1	Decal - Warning/Danger	
12	1703951	4	Decal - Warning/Crushing	
13	1703939	5	Decal - Danger Electricution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703945	3	Decal - Warning Crushing	
17	1704277	3	Decal - Lanyard Attach Graphic	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705345	1	Decal - Warning/Inspection	
21	1705427	1	Decal - Drive/Steer Instruction	
24	1703981	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254669	1	Decal - Warning Dual Capacity	
30	1001254670	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224048	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-9. DECAL INSTALLATION (LATIN AMERICAN SPECS - ENGLISH/SPANISH LANGUAGES) (600S)

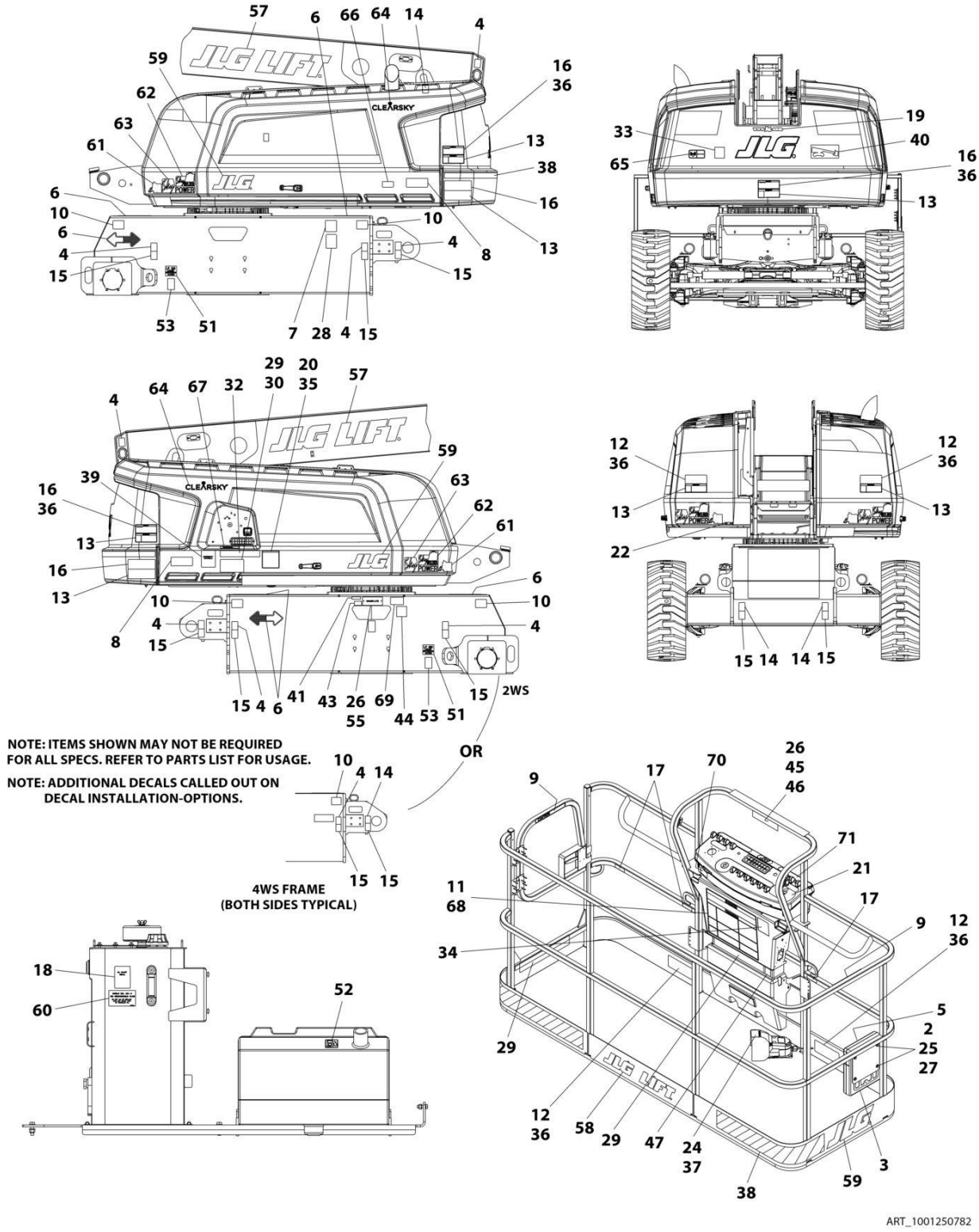


FIGURE 9-9. DECAL INSTALLATION (LATIN AMERICAN SPECS - ENGLISH/SPANISH LANGUAGES) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250782	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267306	2	Decal - 600S	
9	1704001	2	Decal - No Hands	
10	1001216059	4	Decal - Maximum Tire Load	
11	1703923	1	Decal - Warning/Danger	
12	1703947	4	Decal - Warning/Crushing	
13	1703935	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703941	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705917	1	Decal - Warning/Inspection	
21	1705910	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703983	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001254675	1	Decal - Warning Dual Capacity	
30	1001254676	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224049	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-10. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE) (660SJ)

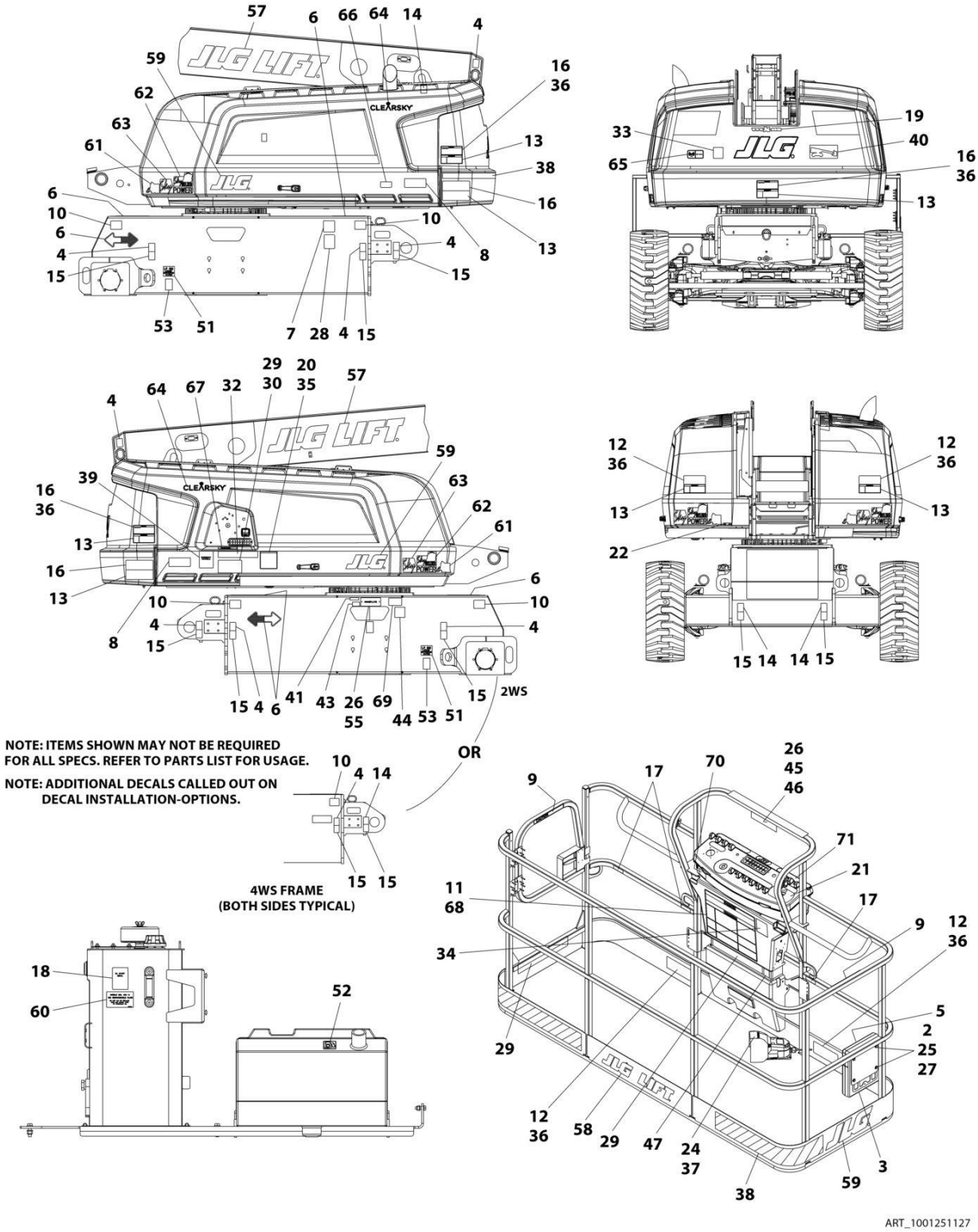


FIGURE 9-10. DECAL INSTALLATION (ANSI SPECS - ENGLISH LANGUAGE) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001251127	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1702868	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703797	1	Decal - Danger/Warning	
12	1703804	4	Decal - Warning/Crushing	
13	1703805	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Hug	
15	1703814	8	Decal - Tie Down	
16	1703953	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705336	1	Decal - Danger/Warning	
21	1705351	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	3252347	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
28	1001131269	1	Decal - Patent	
29	1001255220	1	Decal - Warning Dual Capacity	
30	1001255221	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
43	1001223453	1	Decal - ICES (Canada)	
44	1001223055	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-11. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE) (660SJ)

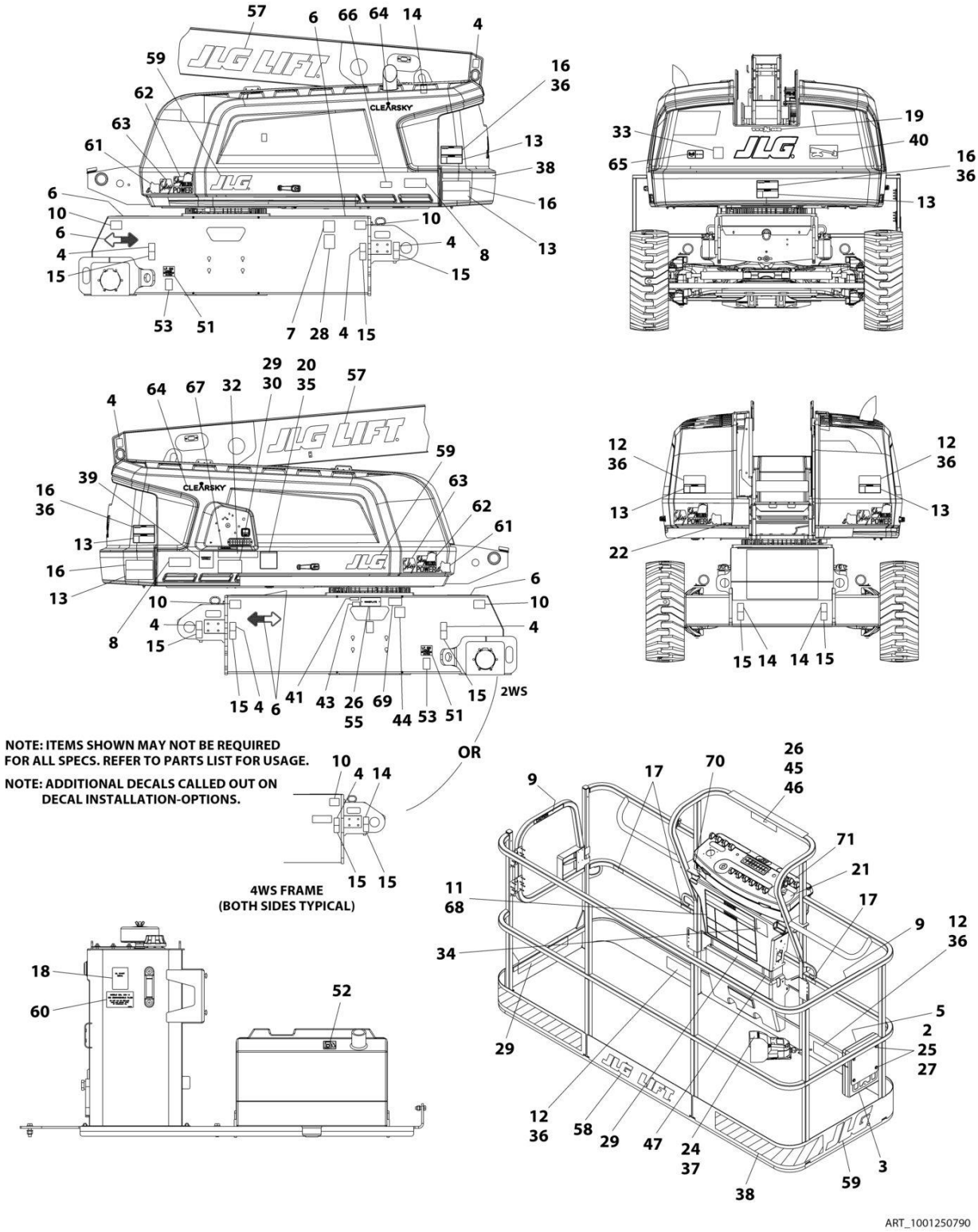


FIGURE 9-11. DECAL INSTALLATION (AUSTRALIAN SPECS - ENGLISH LANGUAGE) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250790	Ref	DECAL INSTALLATION	E
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267307	2	Decal - 660SJ	
10	1001216060	4	Decal - Maximum Tire Load	
13	1705961	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001194236	2	Decal - Capacity	
34	1705921	1	Decal - Tipping/Electrocution	
35	1705822	1	Decal - Electrocution/Safety Manual	
36	1701518	7	Decal - Crushing	
37	1705828	1	Nameplate - Footswitch	
38	4420051	208 in/ 5.3m	Tape, Safety	
39	1001112551	1	Decal - Emergency Controls	
40	1001284685	1	Decal - Lift Diagram	
69	1001231422	1	Decal - Wheel Assembly Mass	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-12. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES) (660SJ)

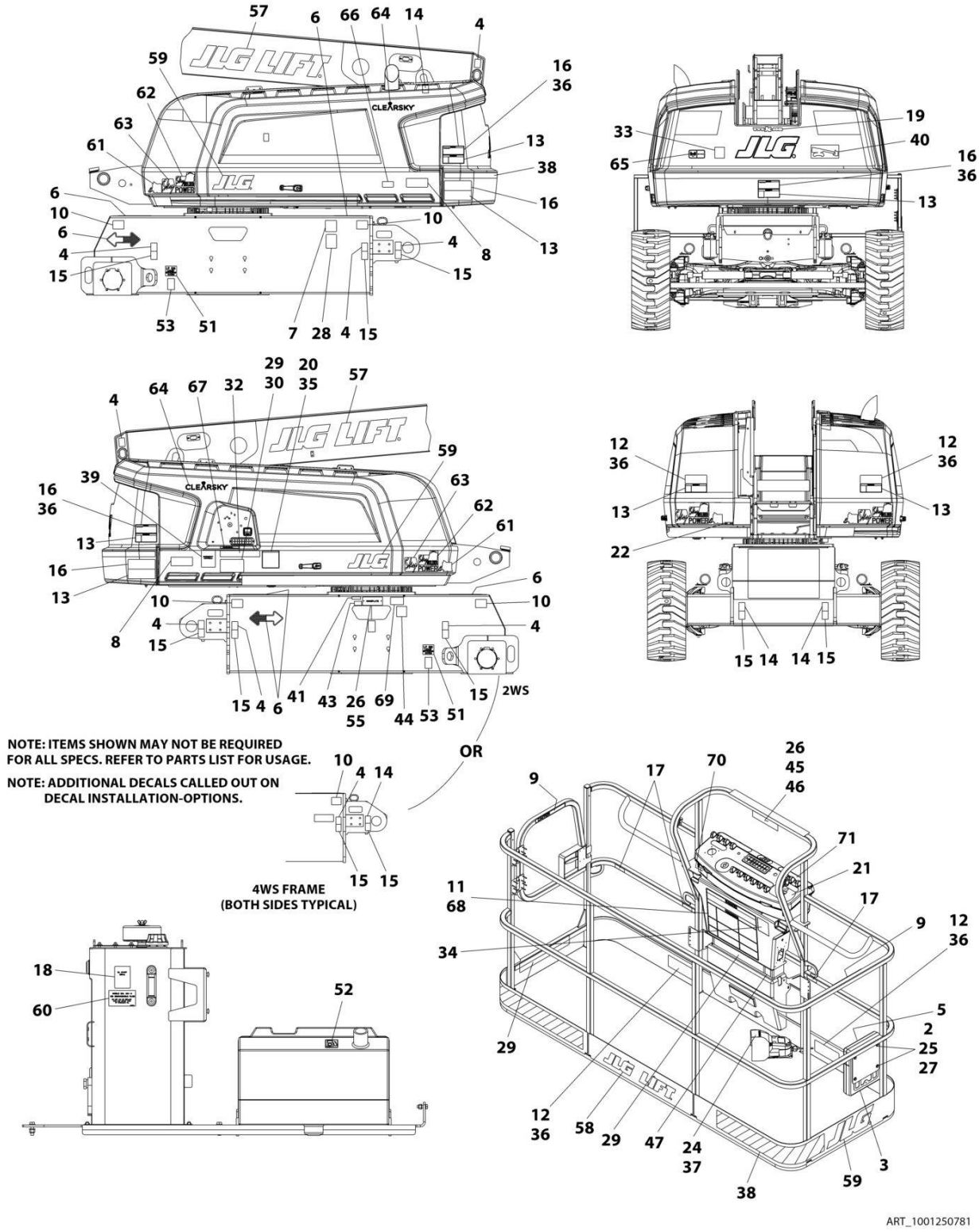


FIGURE 9-12. DECAL INSTALLATION (BRAZIL SPECS - PORTUGUESE/SPANISH LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250781	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	1	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1704002	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703928	1	Decal - Danger/Warning	
12	1703952	4	Decal - Warning/Crushing	
13	1703940	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703946	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705349	1	Decal - Warning/Inspection	
21	1001113680	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703985	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	2820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255230	1	Decal - Warning Dual Capacity	
30	1001255231	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224052	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-13. DECAL INSTALLATION (CE & UK CA SPECS - ENGLISH LANGUAGE) (660SJ)

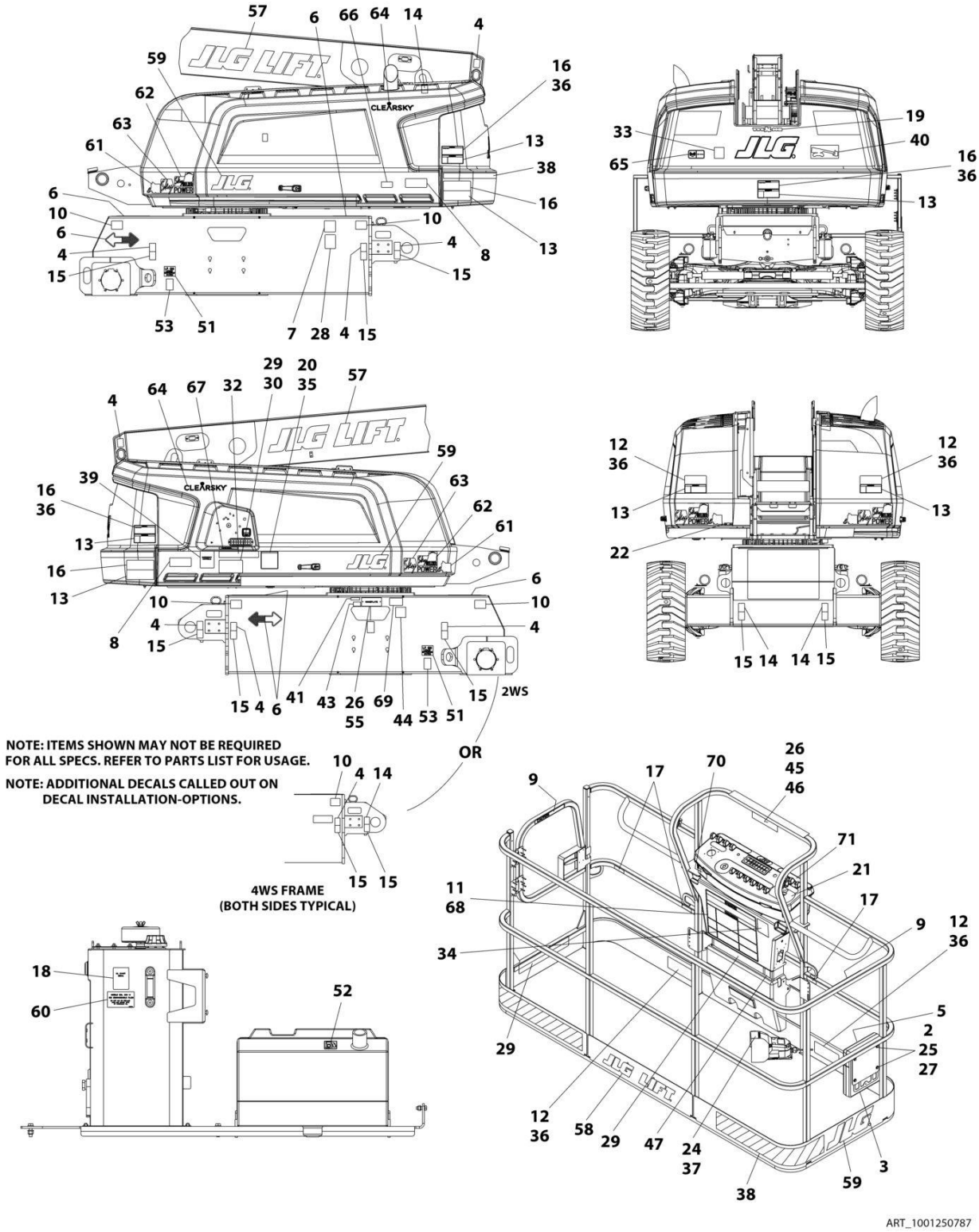


FIGURE 9-13. DECAL INSTALLATION (CE & UK CA SPECS - ENGLISH LANGUAGE) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250787	Ref	DECAL INSTALLATION	E
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267307	2	Decal - 660SJ	
10	1001216060	4	Decal - Maximum Tire Load	
13	1705961	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001194236	2	Decal - Capacity	
34	1705921	1	Decal - Tipping/Electrocution	
35	1705822	1	Decal - Electrocution/Safety Manual	
36	1701518	7	Decal - Crushing	
37	1705828	1	Nameplate - Footswitch	
38	4420051	208 in/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
57	1001159323	2	Decal - JLG	
59	1702773	3	Decal - JLG	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-14. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/SIMPLIFIED CHINESE LANGUAGES) (660SJ)

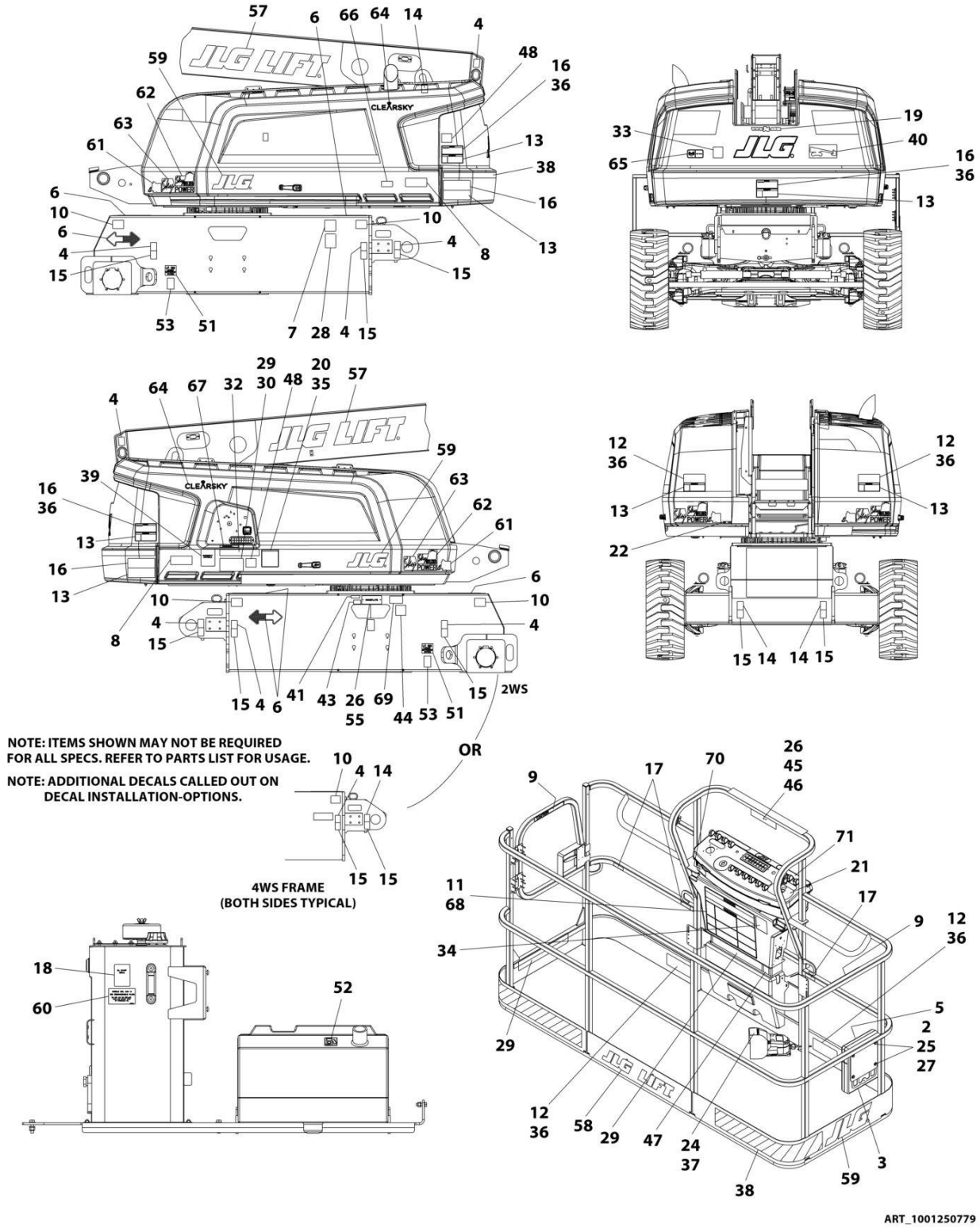


FIGURE 9-14. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/SIMPLIFIED CHINESE LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250779	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	1	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1705968	2	Decal - No Hands	
10	1001216060	1	Decal - Maximum Tire Load	
11	1001116847	1	Decal - Warning	
12	1001116850	4	Decal - Warning	
13	1703937	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1001116845	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1001116848	1	Decal - Warning/Inspection	
21	1705430	1	Decal - Drive/Steer	
22	3251243	1	Decal - 120V/60Hz	
24	1001116852	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255228	1	Decal - Warning Dual Capacity	
30	1001255229	1	Decal - Warning Dual Capacity	
38	4420051	208 in/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224051	1	Decal - Yearly Inspection	
48	1001244298	2	Decal - App	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-15. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/TRADITIONAL CHINESE LANGUAGES) (660SJ)

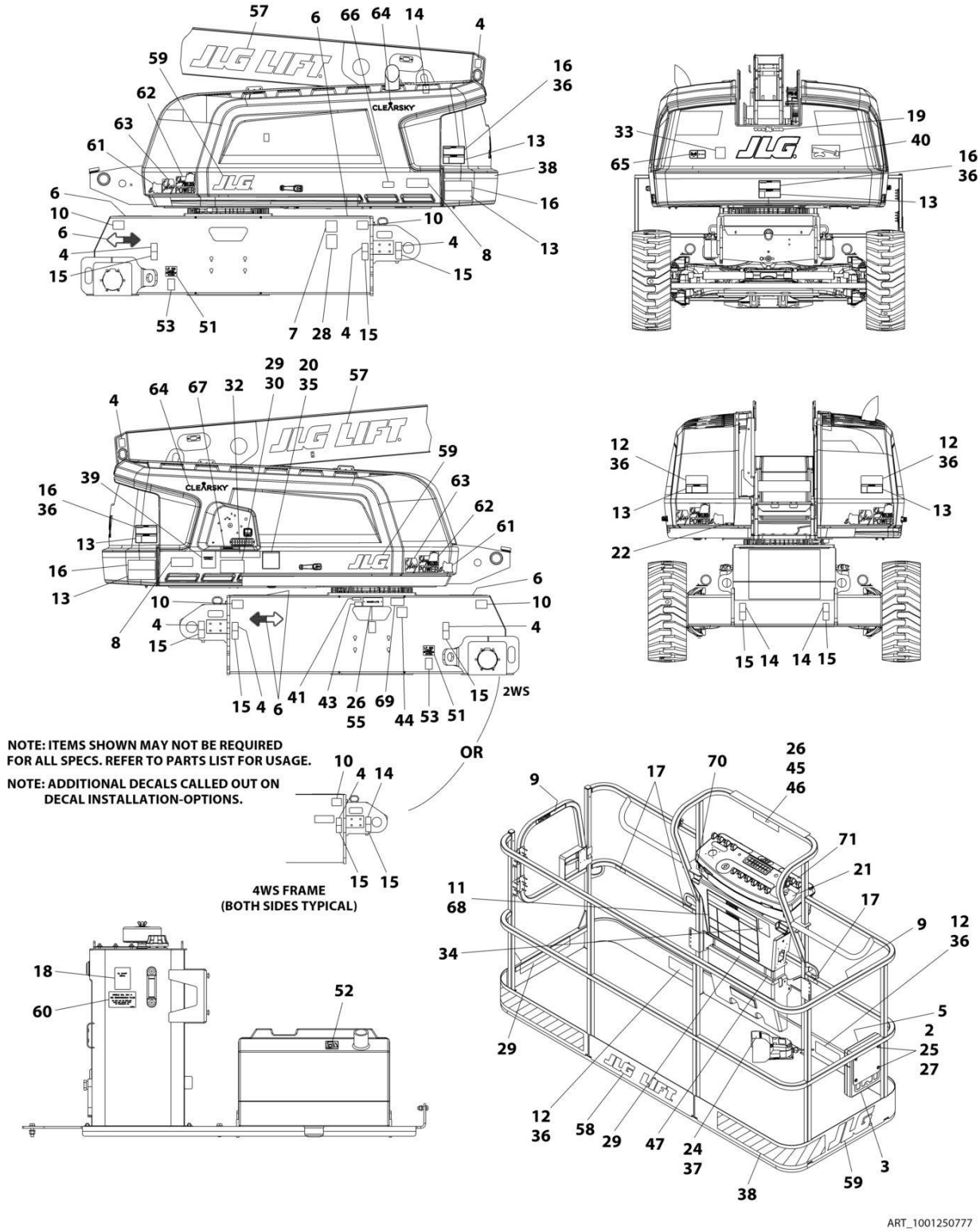


FIGURE 9-15. DECAL INSTALLATION (CHINESE SPECS - ENGLISH/TRADITIONAL CHINESE LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250777	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1001116846	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703925	1	Decal - Warning/Danger	
12	1703949	4	Decal - Crushing	
13	1001116851	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703943	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1001116849	1	Decal - Warning/Inspection	
21	1001116863	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703982	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255226	1	Decal - Warning Dual Capacity	
30	1001255227	1	Decal - Warning Dual Capacity	
38	4420051	208 in/ 5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224050	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-16. DECAL INSTALLATION (CSA SPECS - ENGLISH/FRENCH LANGUAGES) (660SJ)

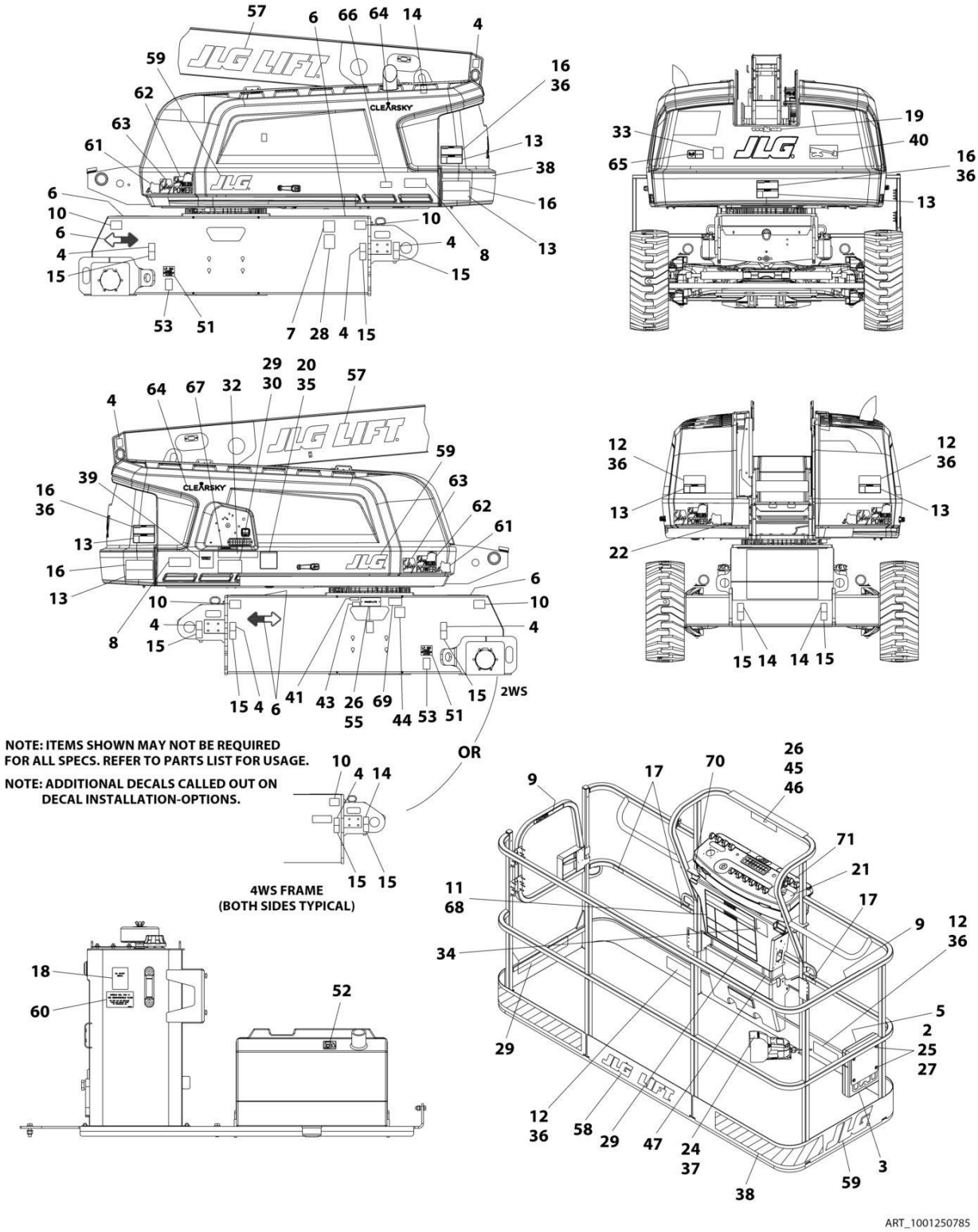


FIGURE 9-16. DECAL INSTALLATION (CSA SPECS - ENGLISH/FRENCH LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250785	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	1	Decal - Bar Code (Note: Not Available For Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1704000	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703924	1	Decal - Danger/Warning	
12	1703948	4	Decal - Warning/Crushing	
13	1703936	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703942	3	Decal - Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705347	1	Decal - Warning/Inspection	
21	1705429	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703984	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
28	1001131269	1	Decal - Patent	
29	1001255222	1	Decal - Warning Dual Capacity	
30	1001255223	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
41	1705514	1	Decal - CSA	
43	1001223453	1	Decal - ICES (Canada)	
44	1001223971	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-17. DECAL INSTALLATION (JAPANESE SPECS - ENGLISH/JAPANESE LANGUAGES) (660SJ)

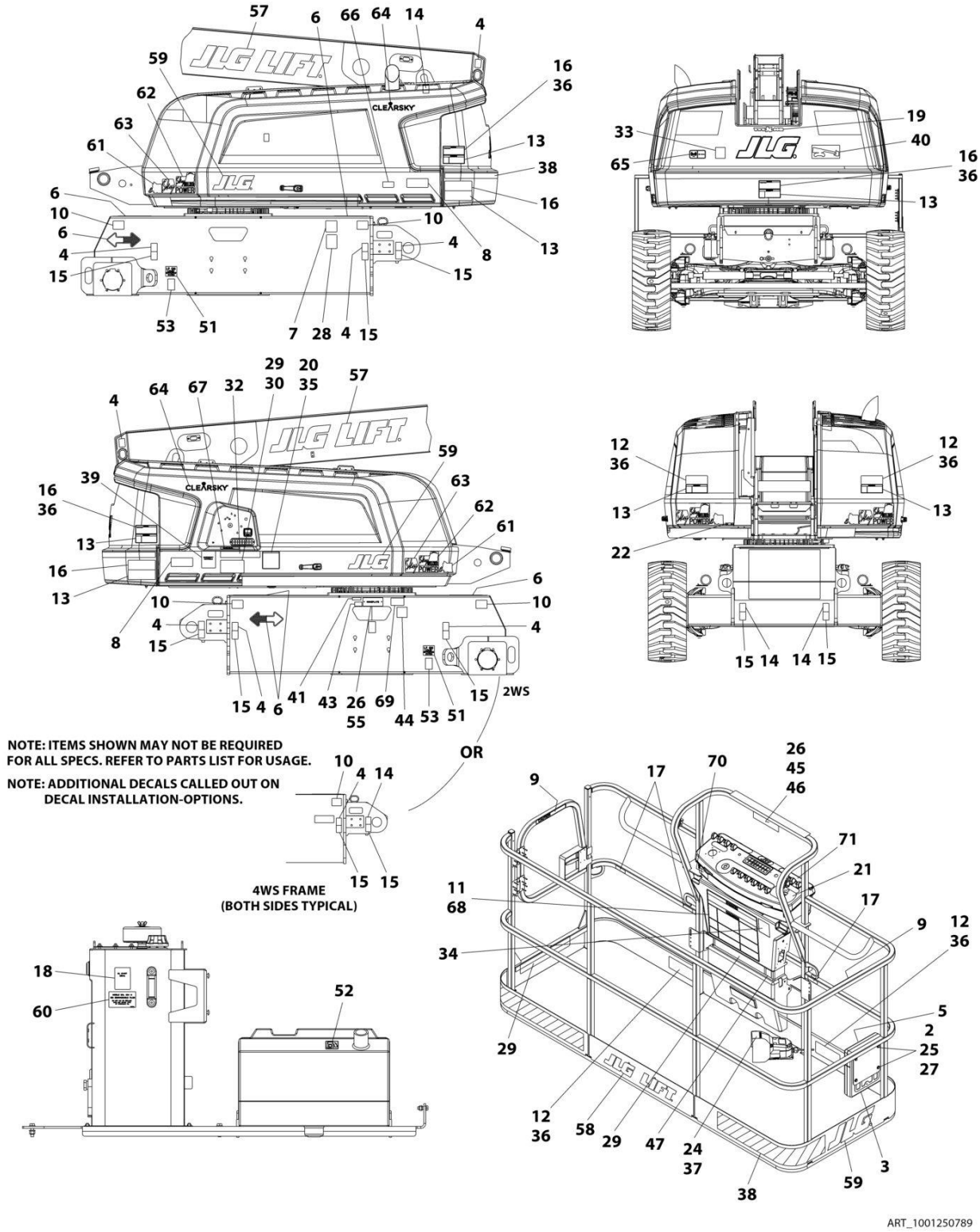


FIGURE 9-17. DECAL INSTALLATION (JAPANESE SPECS - ENGLISH/JAPANESE LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250789	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703926	1	Decal - Danger/Warning	
12	1703950	4	Decal - Crushing	
13	1703938	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703944	3	Decal - Warning/Crushing	
17	1704277	2	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705344	1	Decal - Warning/Inspection	
21	1705426	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703980	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255234	1	Decal - Warning Dual Capacity	
30	1001255235	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224053	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

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FIGURE 9-18. DECAL INSTALLATION (KOREAN SPECS - ENGLISH/KOREAN LANGUAGES) (660SJ)

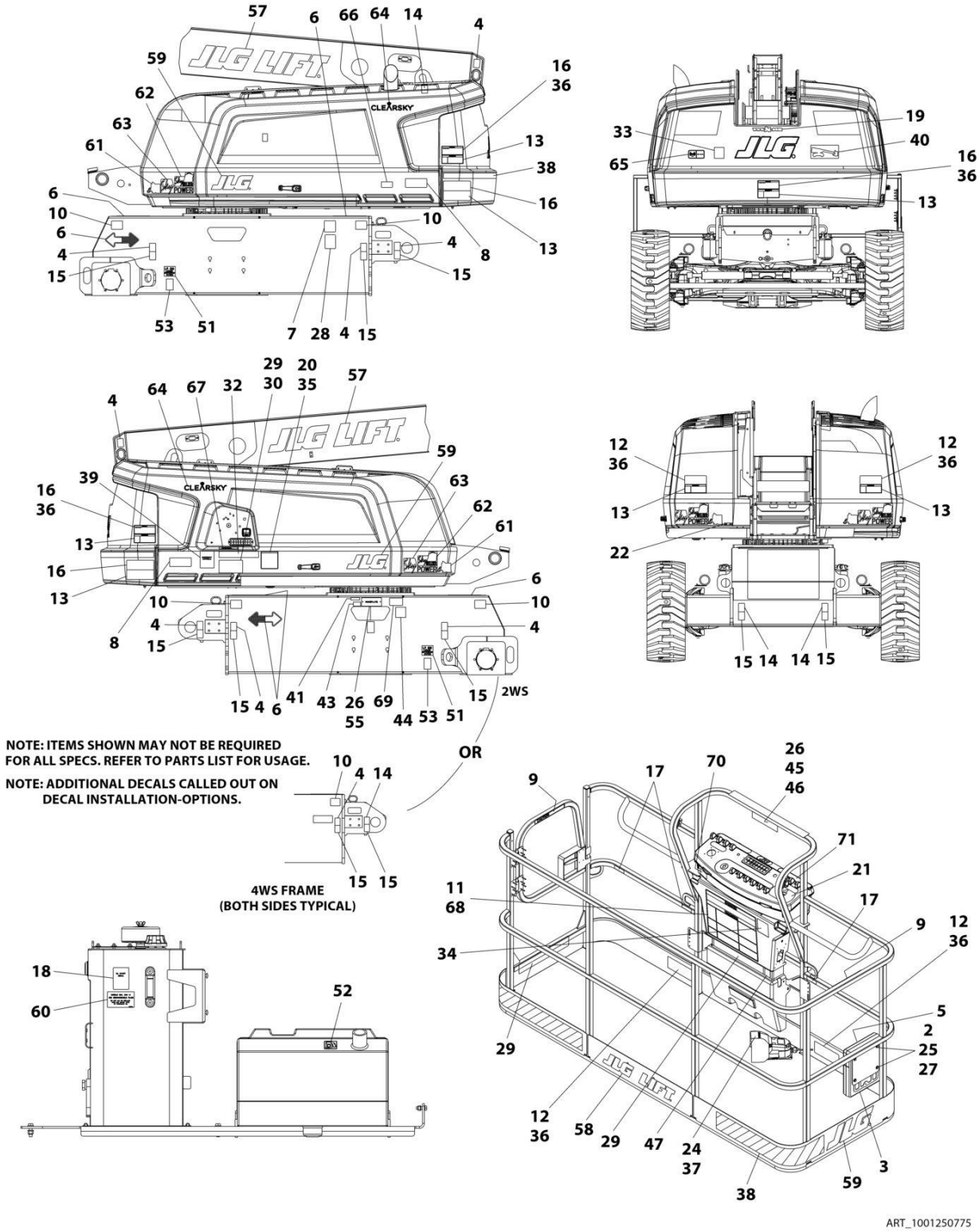


FIGURE 9-18. DECAL INSTALLATION (KOREAN SPECS - ENGLISH/KOREAN LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250775	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1705969	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703927	1	Decal - Warning/Danger	
12	1703951	4	Decal - Warning/Crushing	
13	1703939	5	Decal - Danger Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703945	3	Decal - Warning Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705345	1	Decal - Warning/Inspection	
21	1705427	1	Decal - Drive/Steer Instruction	
24	1703981	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255224	1	Decal - Warning Dual Capacity	
30	1001255225	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224048	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

SECTION 9 - DECALS

FIGURE 9-19. DECAL INSTALLATION (LATIN AMERICAN SPECS - ENGLISH/SPANISH LANGUAGES) (660SJ)

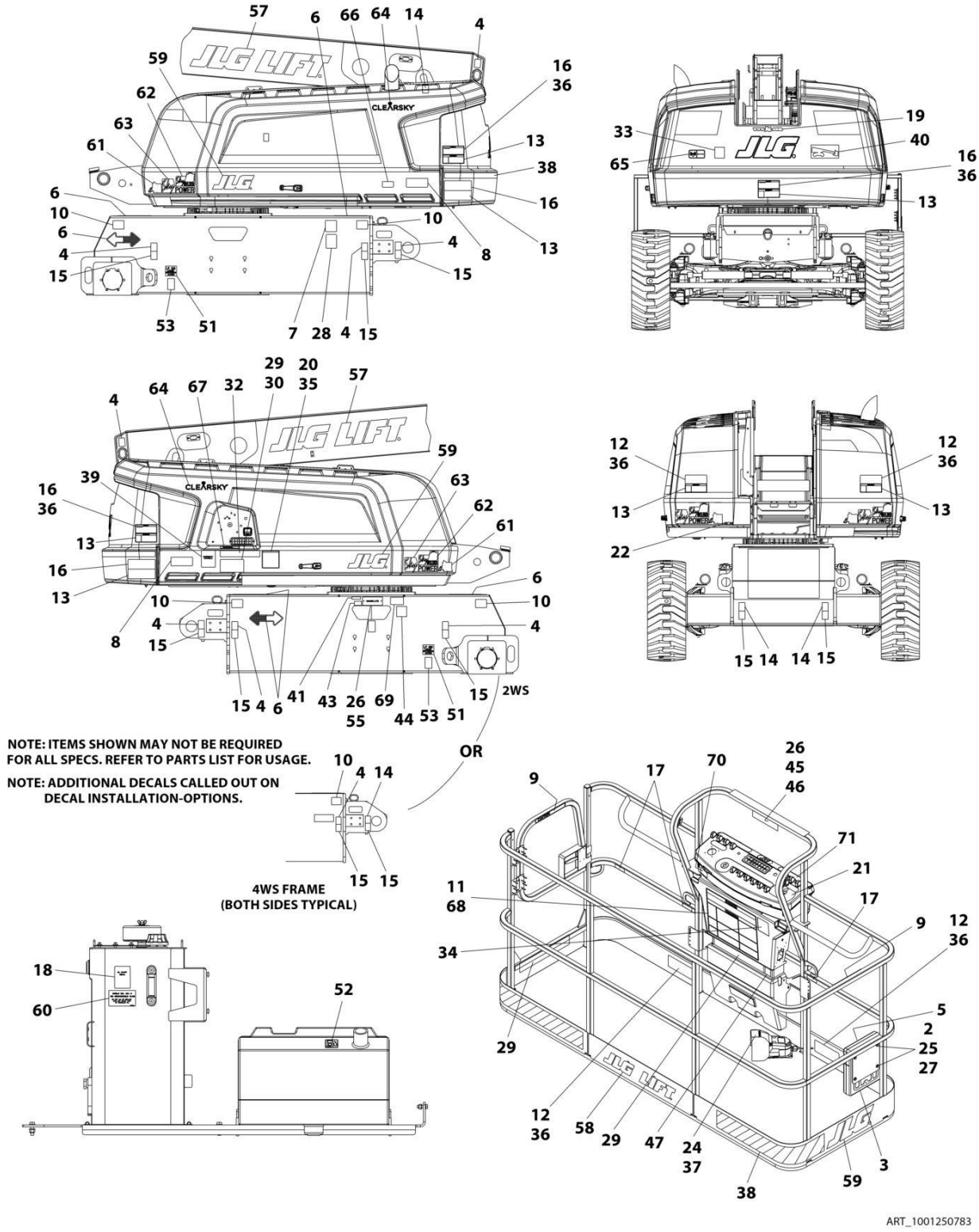


FIGURE 9-19. DECAL INSTALLATION (LATIN AMERICAN SPECS - ENGLISH/SPANISH LANGUAGES) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001250783	Ref	DECAL INSTALLATION	F
2	0700610	4	Bolt M6 x 20	
3	91403230	1	Box, Manual Storage	
4	1701499	8	Decal - No Tie Down/Lift	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal - Arrow	
7	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
8	1001267307	2	Decal - 660SJ	
9	1704001	2	Decal - No Hands	
10	1001216060	4	Decal - Maximum Tire Load	
11	1703923	1	Decal - Warning/Danger	
12	1703947	4	Decal - Warning/Crushing	
13	1703935	5	Decal - Electrocution	
14	1703811	4	Decal - Lifting Lug	
15	1703814	8	Decal - Tie Down	
16	1703941	3	Decal - Warning/Crushing	
17	1704277	3	Decal - Lanyard Attach	
18	1704412	1	Decal - Hydraulic Oil	
19	1704885	1	Decal - Website	
20	1705917	1	Decal - Warning/Inspection	
21	1705910	1	Decal - Drive/Steer Instruction	
22	3251243	1	Decal - 120V/60Hz	
24	1703983	1	Nameplate - Footswitch	
25	3290605	4	Nut M6	
26	3820001	2	Rivet	
27	4811700	8	Washer M6	
29	1001255232	1	Decal - Warning Dual Capacity	
30	1001255233	1	Decal - Warning Dual Capacity	
38	4420051	208 in /5.3m	Tape, Safety	
40	1001284684	1	Decal - Lift Diagram	
44	1001224049	1	Decal - Yearly Inspection	
71	1001184618	1	Decal - Stop/Auxiliary Power	

FIGURE 9-20. DECALS INSTALLATION - OPTIONS

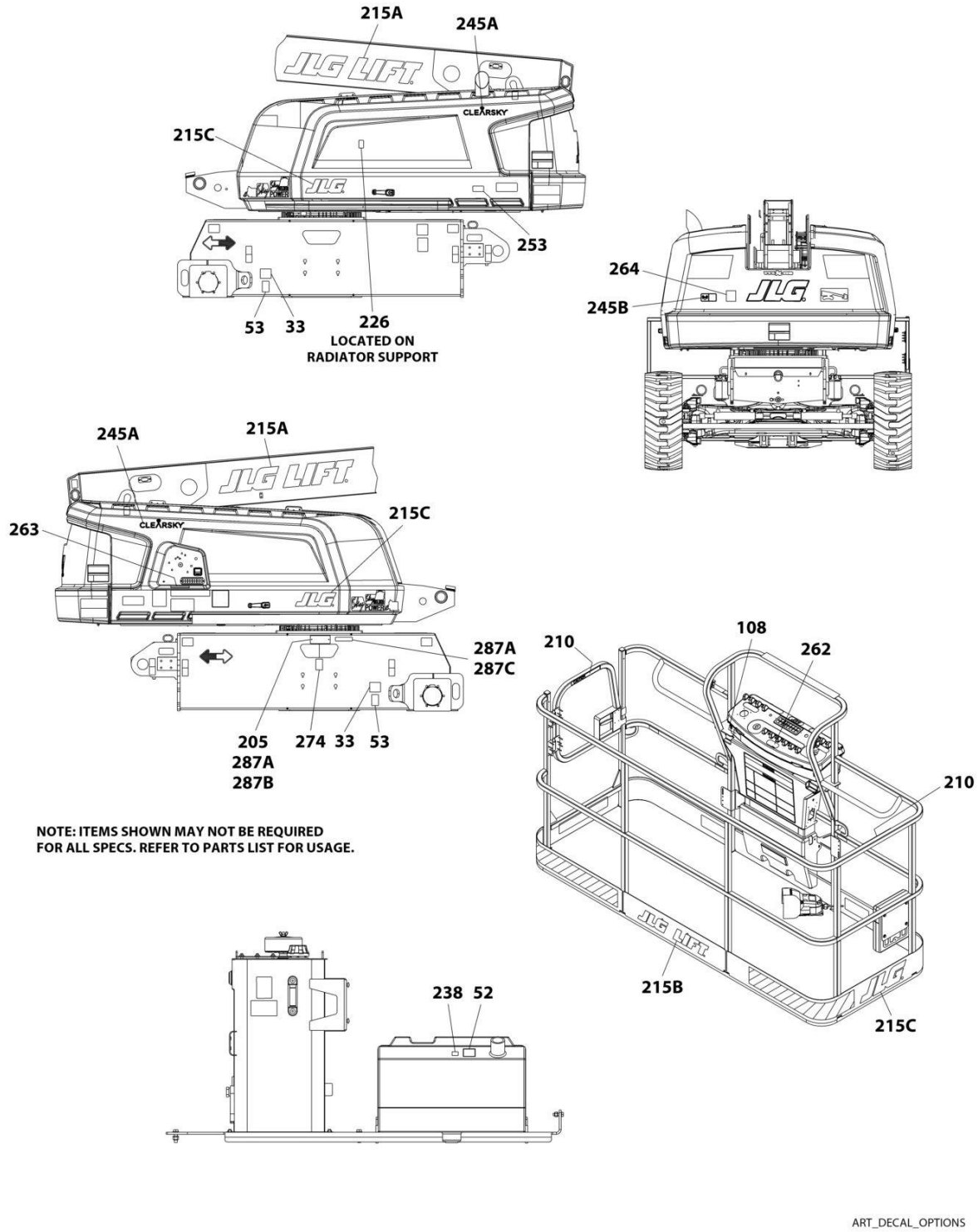


FIGURE 9-20. DECALS INSTALLATION - OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256735	Ref	DECAL INSTALLATION - REFERENCE CHART	E
	1001250516	Ref	DECAL INSTALLATION - OPTIONS	X
33	1700818	2	Decal - LP Gas Liquid Withdrawal System (ANSI & ANSI Export Specs)	
33	1704271	2	Decal - LP Gas Liquid Withdrawal System (CSA Spec)	
33	1702720	2	Decal - LP Gas Liquid Withdrawal System (ANSI Export Specs)	
33	1700818	2	Decal - LP Gas Liquid Withdrawal System (ANSI and ANSI Export)	
52	1701542	1	Decal - Gas	
52	1701505	1	Decal - Diesel Fuel	
53	1701543	1	Decal - LPG (Gas Machines Only)	
108	1001231801	1	Decal - Proposition 65 Warning (Diesel Engines)	
205	See Note	NSS	Nameplate - Manufacturers Serial Number (Note: Not Available for Purchase)	
210		Ref	Decal - No Hands Options (Machines with Platform Mesh/Soft-Touch Options):	
210	1702868	2	Decal - No Hands (ANSI, ANSI Export, Australian, CE & UK CA Specs) (English Language)	
210	1704002	2	Decal - No Hands (Brazil Specs) (Portuguese & Spanish Languages)	
210	1705968	2	Decal - No Hands (China Specs) (English & Simplified Chinese Languages)	
210	1001116846	2	Decal - No Hands (China Specs) (English & Traditional Chinese Languages)	
210	1704000	2	Decal - No Hands (CSA Specs) (English & French Languages)	
210	1705969	2	Decal - No Hands (Korean Specs) (English & Korean Languages)	
210	1704001	2	Decal - No Hands (Latin American Specs) (English & Spanish Languages)	
	1001206816	Ref	Decal Installation - JLG Logo (Not Shown) (All Specs except CE & UK CA Specs)	A
215A	1702861	AR	Decal - JLG Lift	
215B	1702774	1	Decal - JLG Lift	
215C	1702773	AR	Decal - JLG	
226		Ref	Decal - Warning Explosion/Fire Options (Diesel Engine Machines Only):	
226	1704972	1	Decal - Warning Explosion/Fire (ANSI, ANSI Export and China Specs)	
226	1706098	1	Decal - Warning Explosion/Fire (Australian, CE & UK CA Specs)	
226	1706059	1	Decal - Warning Explosion/Fire (Brazil Spec - Dual Language English/Portuguese)	
226	1706060	1	Decal - Warning Explosion/Fire (Chinese Spec - Dual Language English/Chinese)	
226	1706064	1	Decal - Warning Explosion/Fire (CSA Spec - Dual Language English/French)	
226	1706062	1	Decal - Warning Explosion/Fire (Japanese Spec - Dual Language English/Japanese)	
226	1706061	1	Decal - Warning Explosion/Fire (Korean Spec - Dual Language English/Korean)	
226	1706063	1	Decal - Warning Explosion/Fire (Latin American - Dual Language English/Spanish)	
238	1001125387	1	Decal - Ultra Low Sulfur Fuel (ANSI & CSA Specs)	

SECTION 9 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
238	1001139654	1	Decal - Ultra Low Sulfur Fuel (ANSI Export HRC, Japanese, CE & UK CA Specs)	
245	1001120992	Ref	Decal Installation - ClearSky	
245A	1001116208	2	Decal - ClearSky	
245B	1001120989	1	Decal - Radio Frequency	
253	1001143852	1	Decal - Emission Compliance (Machines with Diesel Engines) (ANSI Export, Australian, CE & UK CA Specs)	
262	1001141300	1	Decal - SkyGuard Override (Without Soft-Touch)	
262	1001141302	1	Decal - SkyGuard Override (With Soft-Touch)	
263	1001197408	1	Decal - MSSO (CE & UK CA Specs)	
264	1001130492	1	Decal - Sound Power (Deutz D2011L04 Engines & Deutz TD2.2L3 (Stage V) Engine) (ANSI Export' Australian, China, CE & UK CA Specs)	
264	1705515	1	Decal - Sound Power (Deutz TD2.9L4 Engines) (ANSI, ANSI Export, CSA, Japanese, CE & UK CA Specs)	
264	1001191525	1	Decal, Sound Power (108dB) (Stage V) (CE & UK CA Spec)	
274	1001214030	Ref	Decal - EAC Installation (CIS and Russia Specs)	
274	1001173703	1	Decal - EAC	
	1001239371	1	ECO Label Installation	A
287A	3820001	8	Rivet	
287B	See Note	NSS	Decal - ECO Label (Note: Not Available for Purchase)	
287C	See Note	NSS	Decal - Plate Mein Code (Note: Not Available for Purchase)	

SECTION 9 - DECALS

FIGURE 9-21. DECAL INSTALLATION - SOFT-TOUCH (ANSI, ANSI EXPORT & CSA SPECS) (600S)

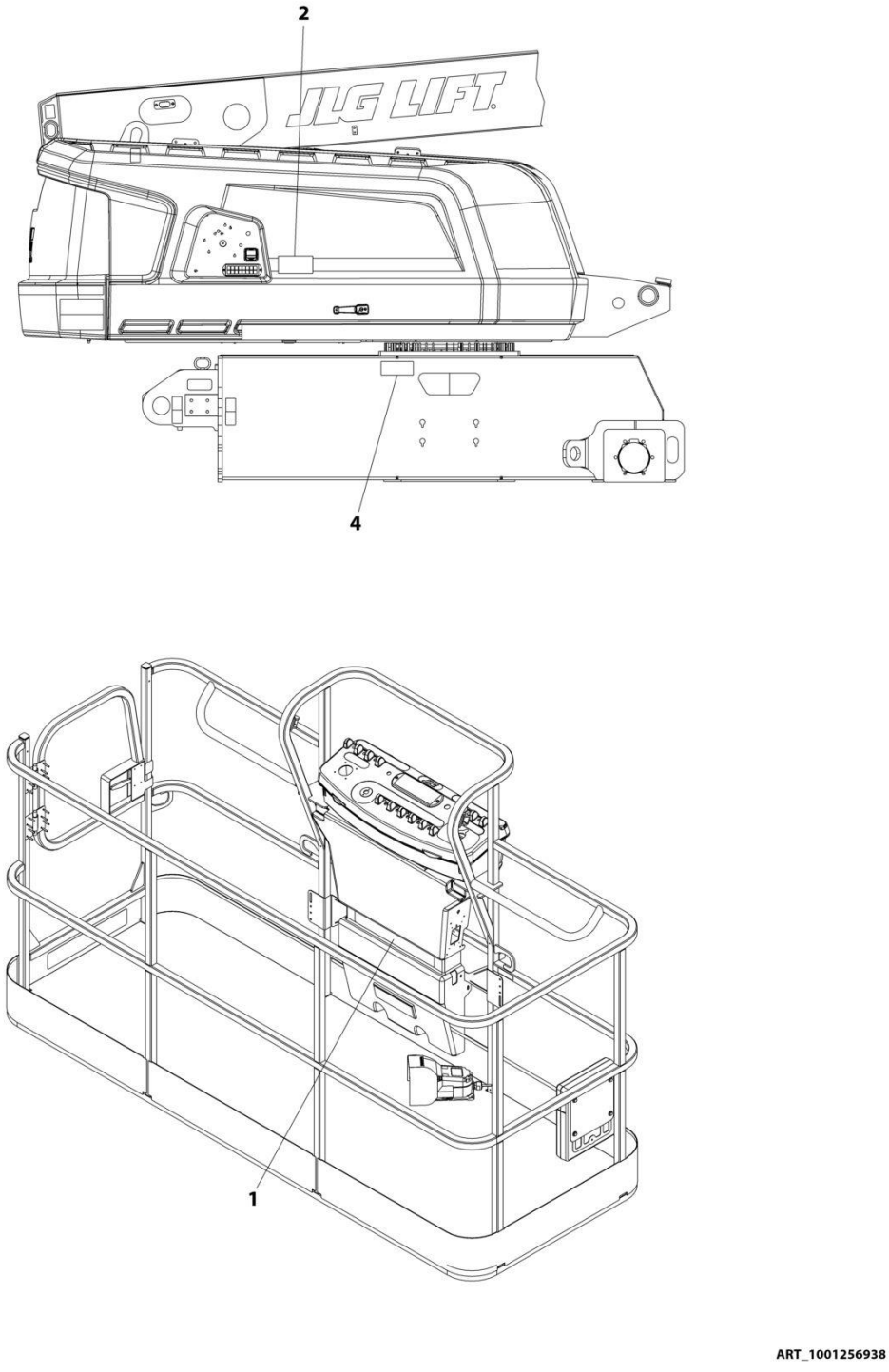


FIGURE 9-21. DECAL INSTALLATION - SOFT-TOUCH (ANSI, ANSI EXPORT & CSA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256938	Ref	DECAL INSTALLATION - SOFT-TOUCH	A
1	1001256931	1	Decal - Warning Dual Capacity	
2	1001256932	1	Decal - Warning Dual Capacity	
4	1001195491	1	Decal - Notice	

FIGURE 9-22. DECAL INSTALLATION - SOFT-TOUCH (CE & UK CA SPECS) (600S)

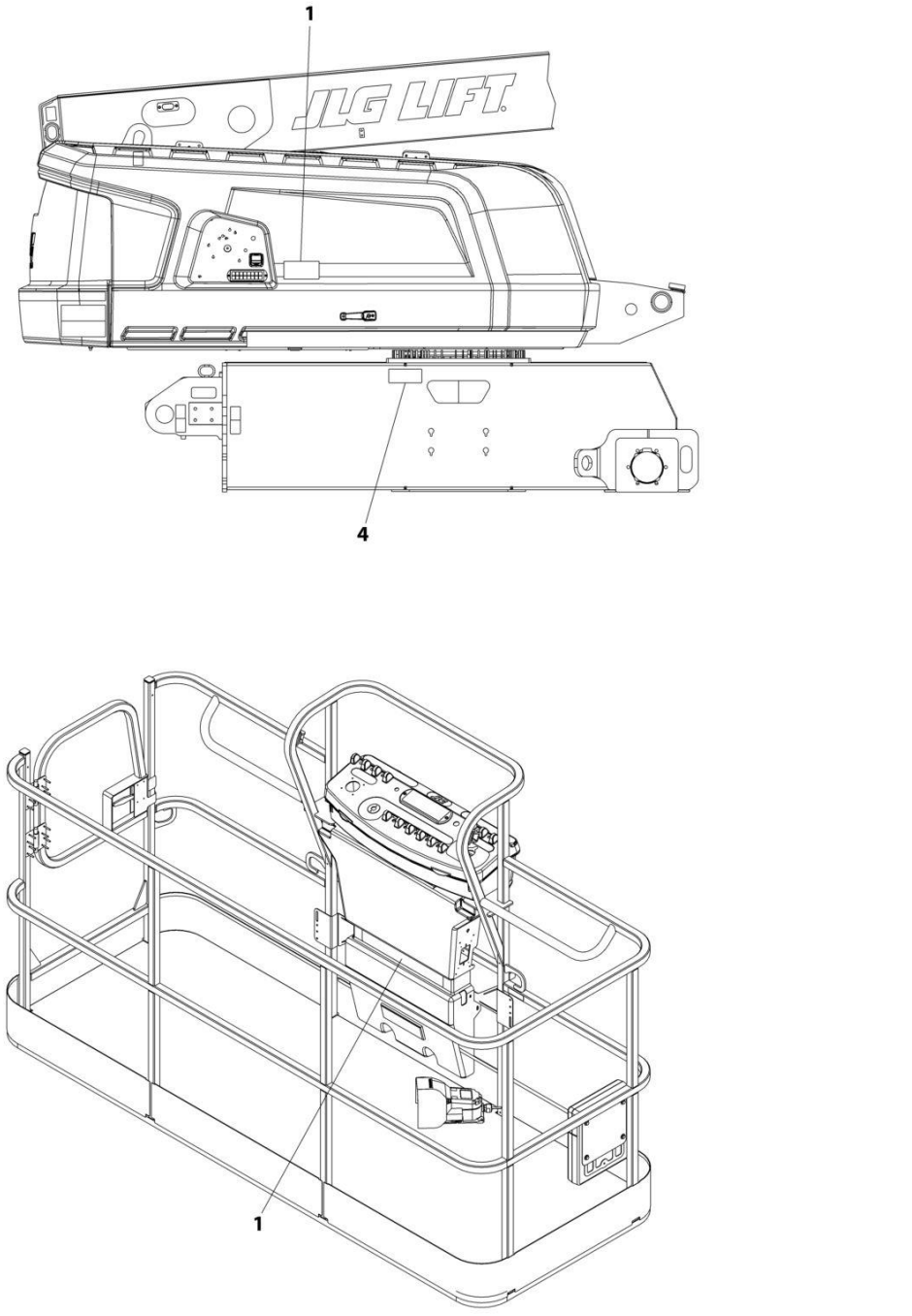


FIGURE 9-22. DECAL INSTALLATION - SOFT-TOUCH (CE & UK CA SPECS) (600S)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256939	Ref	DECAL INSTALLATION - SOFT-TOUCH	A
1	1001195477	2	Decal - Warning Maximum Capacity	
4	1001195490	1	Decal - Notice	

FIGURE 9-23. DECAL INSTALLATION - SOFT-TOUCH (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (660SJ)

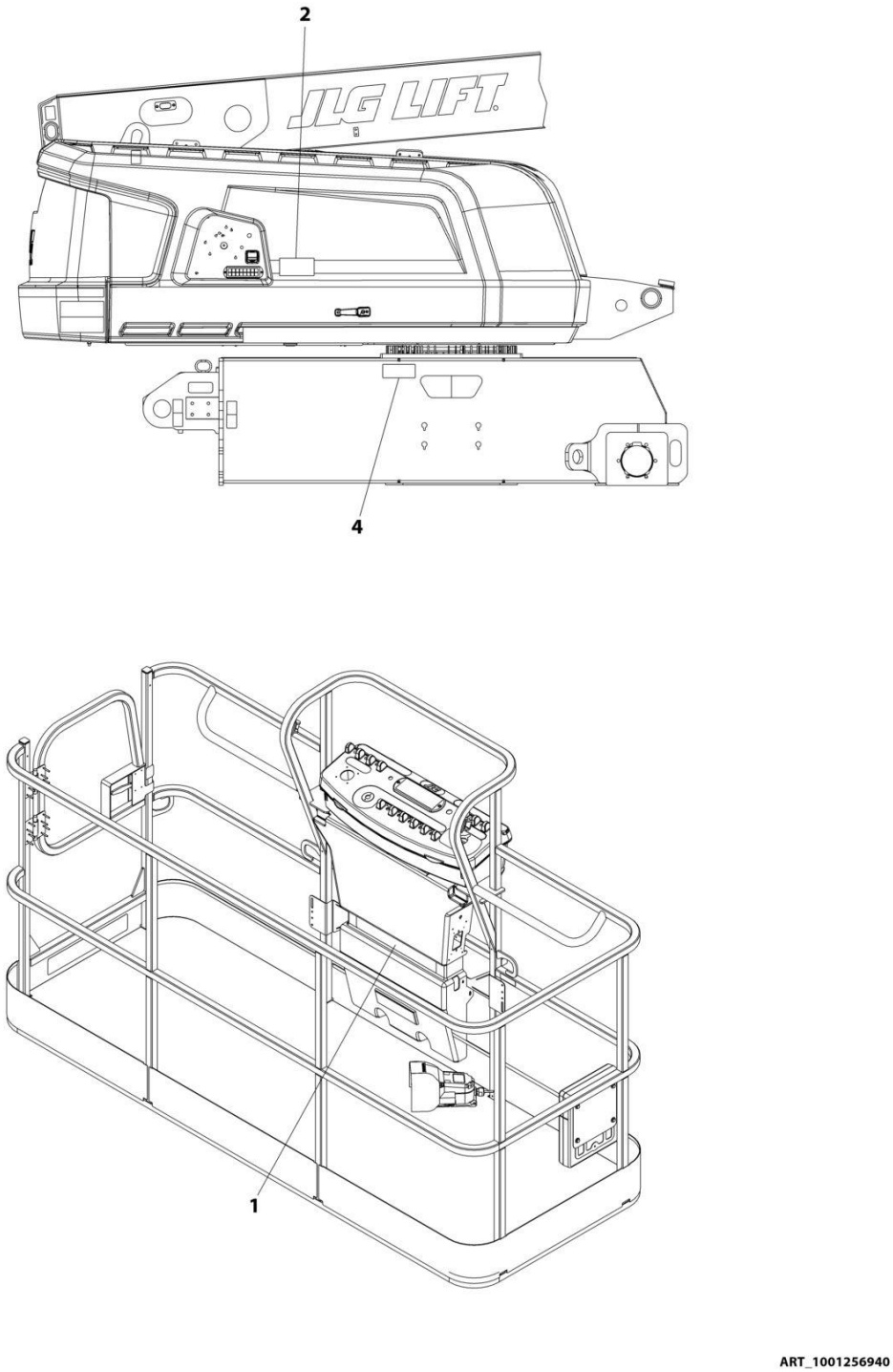
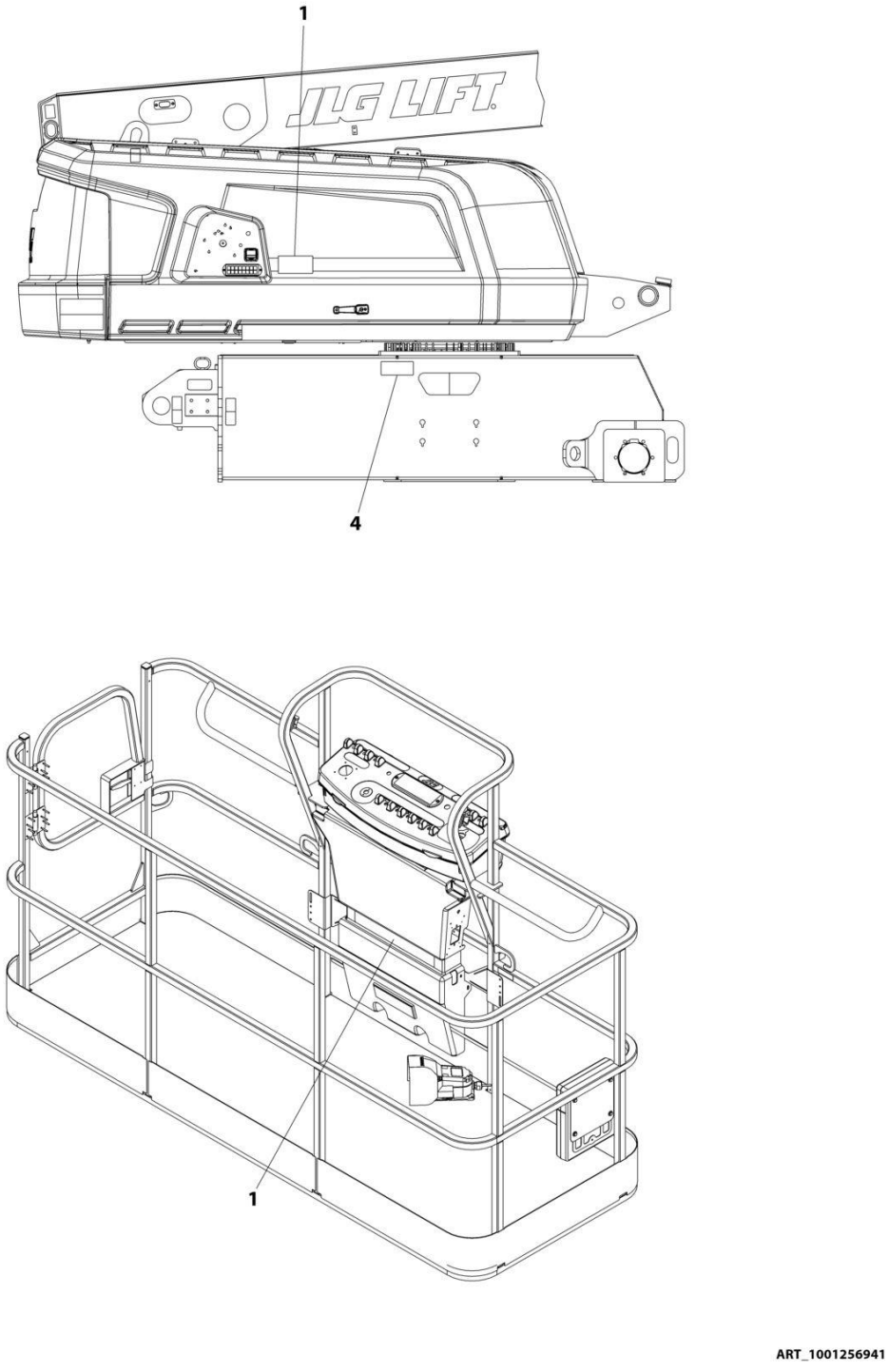


FIGURE 9-23. DECAL INSTALLATION - SOFT-TOUCH (ANSI, ANSI EXPORT, CHINA & CSA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256940	Ref	DECAL INSTALLATION - SOFT-TOUCH	A
1	1001256933	1	Decal - Warning Dual Capacity	
2	1001256934	1	Decal - Warning Dual Capacity	
4	1001195491	1	Decal - Notice	

FIGURE 9-24. DECAL INSTALLATION - SOFT-TOUCH (CE & UK CA SPECS) (660SJ)



ART_1001256941

FIGURE 9-24. DECAL INSTALLATION - SOFT-TOUCH (CE & UK CA SPECS) (660SJ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001256941	Ref	DECAL INSTALLATION - SOFT-TOUCH	A
1	1001195483	2	Decal - Warning Maximum Capacity	
4	1001195490	1	Decal - Notice	

FIGURE 9-25. DECAL INSTALLATION - SKYWELDER (50HZ)

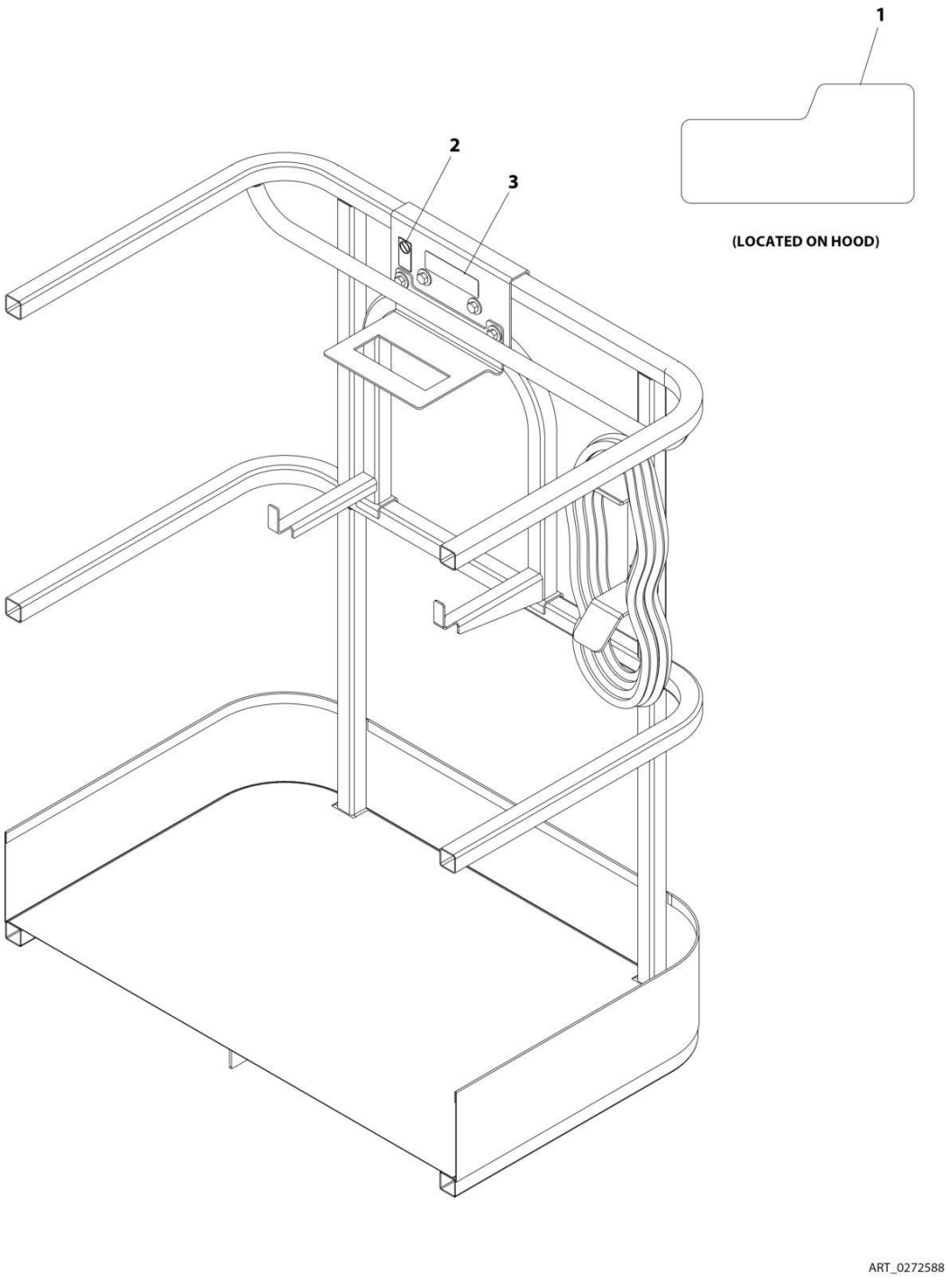


FIGURE 9-25. DECAL INSTALLATION - SKYWELDER (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272588	Ref	SKYWELDER DECAL INSTALLATION - 50Hz	B
1	1705355	2	Decal - SkyWelder	
2	1705305	1	Decal - Weld Lead	
3	1001228988	1	Decal - Weight	

SECTION 9 - DECALS

FIGURE 9-26. DECAL INSTALLATION - SKYWELDER (60HZ)

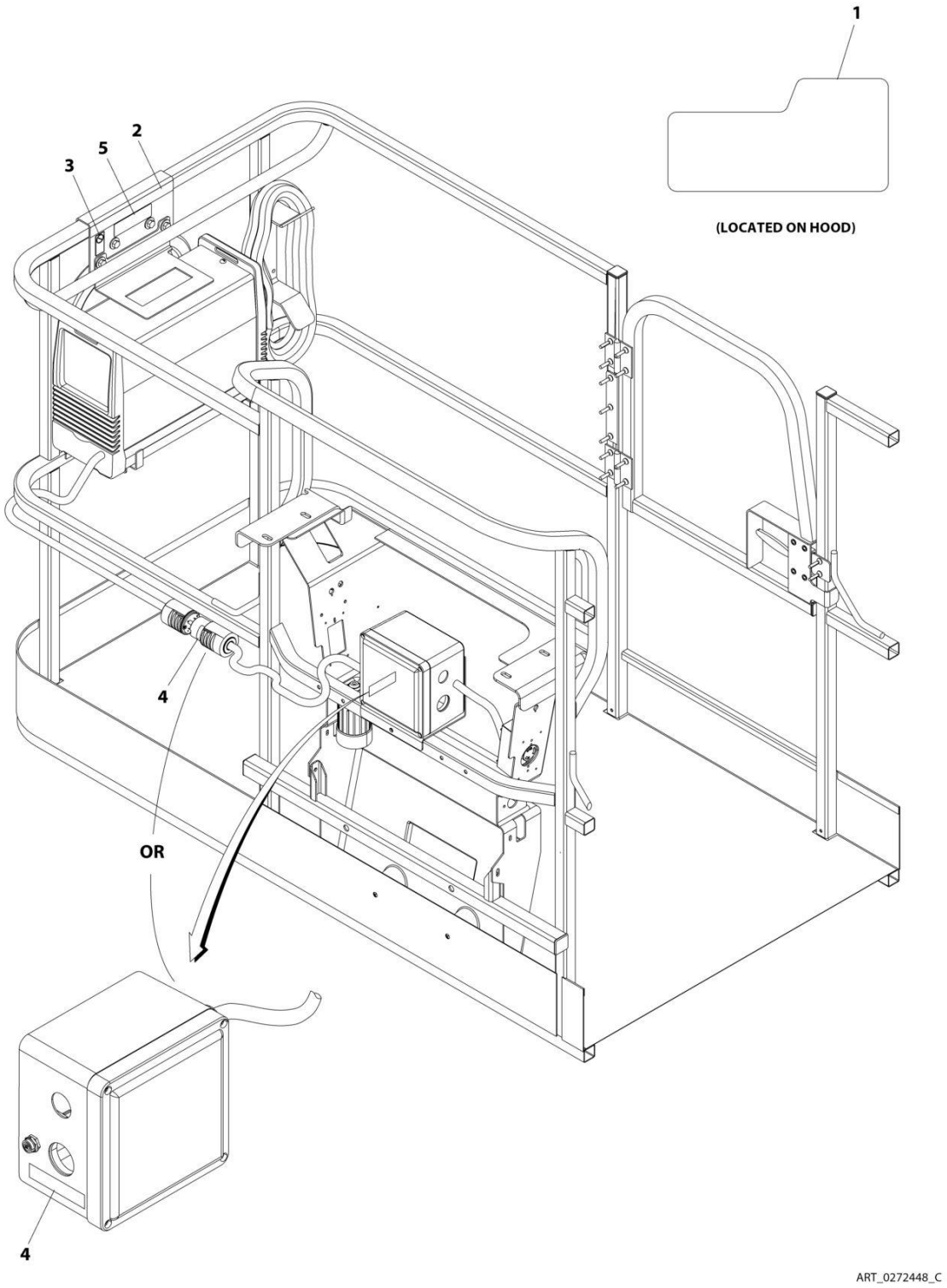


FIGURE 9-26. DECAL INSTALLATION - SKYWELDER (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272448	Ref	SKYWELDER DECAL INSTALLATION - 60Hz	C
1	1705355	2	Decal - SkyWelder	
2	1702868	1	Decal - No Hands	
3	1705305	1	Decal - Weld Lead	
4	1705375	1	Decal - 240V - 3 Phase - 60Hz	
5	1001228988	1	Decal - Weight	

FIGURE 9-27. DECAL INSTALLATION - TOW (ANSI SPECS)

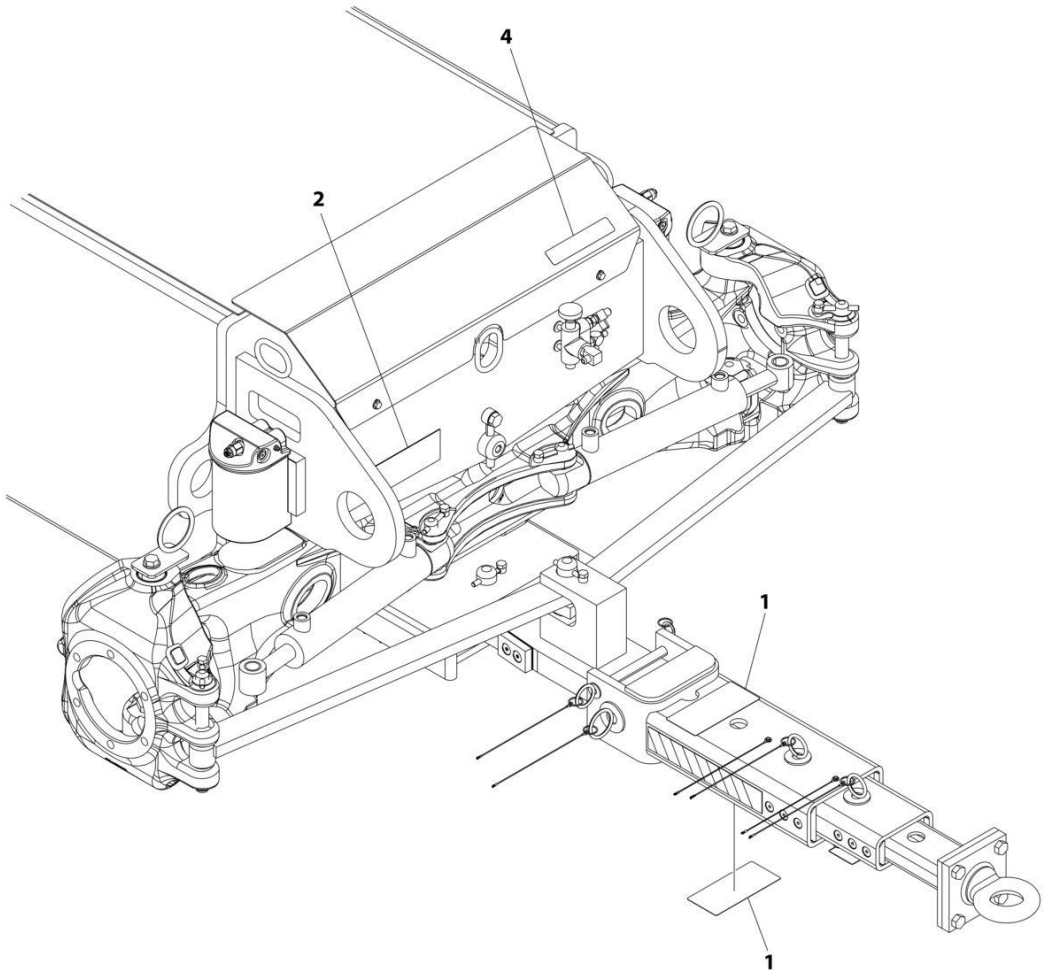


FIGURE 9-27. DECAL INSTALLATION - TOW (ANSI SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188894	Ref	DECAL INSTALLATION	B
1	1704578	2	Decal - Crushing	
2	1705090	1	Decal - Towing Instructions	
4	1001190159	1	Decal - Steer/Tow Select Valve	

FIGURE 9-28. DECAL INSTALLATION - TOW (ANSI EXPORT, CHINA, CE & UK CA SPECS)

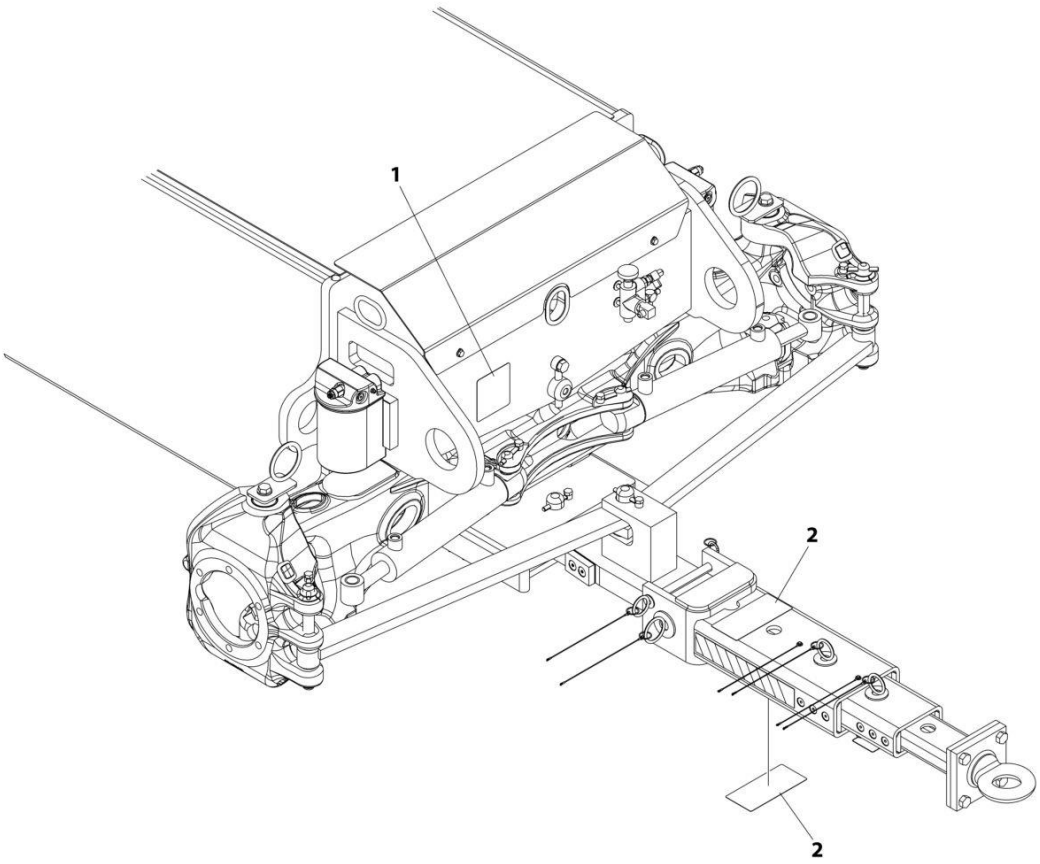
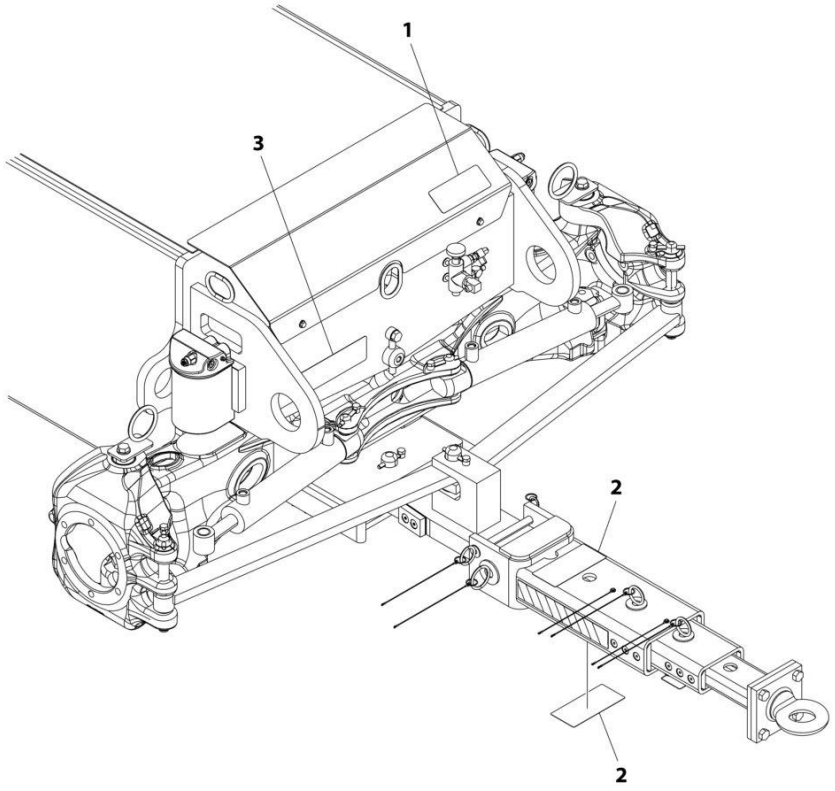


FIGURE 9-28. DECAL INSTALLATION - TOW (ANSI EXPORT, CHINA, CE & UK CA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188896	Ref	DECAL INSTALLATION	C
1	1706957	1	Decal - Tow Bar and Steer Select	
2	1706960	2	Decal - Tow Bar Crushing	

FIGURE 9-29. DECAL INSTALLATION - TOW (CSA SPECS)



ART_1001188895

FIGURE 9-29. DECAL INSTALLATION - TOW (CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001188895	Ref	DECAL INSTALLATION	B
1	1704272	1	Decal - Steer/Tow Select Valve	
2	1704578	2	Decal - Crushing	
3	1705820	1	Decal - Towing Instructions	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

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, contact your JLG dealer or the JLG Industries Parts Department.	
	1001181045	1	Breaker, Circuit 16A (CE & UK CA Specs Machines with Single Breaker Box)	
	1001152479	1	Breaker, Circuit 16A Double (CE & UK CA Specs Machines with 3 Breaker Box)	
	1001152482	1	Breaker, Circuit 30mA (CE & UK CA Specs Machines with 3 Breaker Box)	
	4360070	1	Circuit Breaker 15Amp (Machines with 4000W or 7500W Generator)	
	80434249	1	Coil	
	70004595	1	Coil	
	70002386	1	Coil	
	70006004	1	Coil (Axle Valve, Lift Cylinder)	
	70004653	1	Coil (Platform Valve)	
	70006122	1	Coil (Platform Valve)	
	1001212415	1	Controller, Drive and Steer	
	1001129555	1	Controller, Lift and Swing	
	4360407	1	Controller, Speed	
	1001196636	2	Diode 1Amp	
	70010383	12	Element, Filter (Includes O-Ring)	
	70004066	12	Element, Filter (Optional Remote Mounted Filter)	
	70005335	12	Element, High Pressure Filter (Boom)	
		Ref	**ENGINE COMPONENTS - DEUTZ D2011**	
	7016331	12	Element, Oil Filter (Deutz D2011 Engine)	
	7016328	12	Element, Fuel Filter (Deutz D2011 Engine)	
	70003783	12	Element, Air Filter (Deutz D2011 Engine)	
		Ref	**ENGINE COMPONENTS - DEUTZ D2011 (STAGE V)**	
	7016331	12	Element, Oil Filter (Deutz D2011 - Stage V Engine)	
	7016328	12	Element, Fuel Filter (Deutz D2011 - Stage V Engine)	
	70003783	12	Element, Air Filter (Deutz D2011 - Stage V Engine)	
		Ref	**ENGINE COMPONENTS - DEUTZ D2.9L4 (49HP)**	
	7016331	12	Element, Oil Filter (Deutz D2.9L4 - 49HP Engine)	
	70003783	12	Element, Air Filter (Deutz D2.9L4 - 49HP Engine)	
		Ref	**ENGINE COMPONENTS - DEUTZ D2.9L4 (67HP)**	
	7016331	12	Element, Oil Filter (Deutz D2.9L4 - 67HP Engine)	
	1001225430	12	Element, Fuel Filter (Deutz D2.9L4 - 67HP Engine)	
	70005008	12	Element, Air Filter (Deutz D2.9L4 - 67HP Engine)	
		Ref	**ENGINE COMPONENTS - FORD COMPONENTS**	
	70006155	12	Element, Fuel Filter (Ford Engine)	
	70006213	12	Element, Oil Filter (Ford Engine)	
	70005008	12	Element, Air Filter (Ford Engine)	
	1001117174	1	Footswitch Assembly	
	80983191	2	Fuse - 10Amp (Deutz D2.9L4 Engines)	
	1001172065	2	Fuse - 30Amp (Deutz D2.9L4 Engines)	
	8229244	2	Fuse 15Amp	

SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	8229245	2	Fuse 30Amp (Machines with 2500W Generator)	
	2400064	2	Fuse 5A (Deutz D2011 Engine Machines with 7500W SkyPower Generator)	
	8229242	2	Fuse 5Amp	
	1001196634	2	Fuse- 2Amp	
	70002814	12	Hydraulic Tank Service Kit	
	2860030	1 Set	Key, Replacement	
	2940074	1	Latch (Machines with Gate Entry Platform)	
	1001247468	1	Loadcell (Platform)	
	1001142683	1	Module (Used with Blue or Red Beacons)	
	70025210	1	Module, Engine (ECM/ECU) (Deutz TD2.9L4 - 67HP Engines)	
	70025210	1	Module, Engine (ECU/ECM) (Deutz D2.9L4 - 49HP Engine)	
	70006176	1	Module, Engine (ECU/GCP) (Ford Engines)	
	7027795	1	Module, Engine Control (ECU) (Deutz D2011 Engines)	
	1001187200	1	Module, Ground Control	
	70006178	4	Plug, Spark (Ford Engines)	
	1001095704	1	Relay	
	3740067	12	Relay	
	1001138228	1	Relay (Deutz TD2.9L4 - 67HP Engines)	
	3740080	1	Relay (Machines with 2500W Generator)	
	1001186431	1	Relay (Machines with SkyGuard)	
	3740086	1	Relay (Machines with SkyLine)	
	70005683	1	Repair Section - Powertrack	
	1001211577	1	Sensor (Lower) (Boom)	
	1001211578	1	Sensor (Lower) (Boom) (600S)	
	1001211579	1	Sensor (Upper) (Boom) (660SJ)	
	1001228225	1	Sensor, Emitter (Machines with SkyEye)	
	1001182570	1	Sensor, Proximity (Boom)	
	1001170847	1	Sensor, Proximity (Boom)	
	4360477	1	Sensor, Proximity (Machines with Overhead Soft-Touch Option)	
	1001232667	1	Sensor, Proximity (Machines with SkyLine)	
	4360517	1	Sensor, Proximity (Swivel)	
	1001228224	1	Sensor, Receiver (Machines with SkyEye)	
	1001137673	1	Switch (Machines with SkyGuard)	
	4360469	1	Switch, Key	
	4360057	1	Switch, Limit (Machines with Soft-Touch Option)	
	4360475	1	Switch, Mushroom	
	1001214831	1	Switch, Proximity (Boom)	
	4360387	1	Switch, Push Button	
	1001161709	1	Switch, Toggle	
	1001159256	1	Switch, Toggle	
	1001155045	1	Switch, Toggle	
	4360336	1	Switch, Toggle (Generator Options)	
	4360331	1	Switch, Toggle (Machines with 4WS)	

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

FIGURE 11-1. SPECIAL OPTIONS/ACCESSORIES/KITS

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 contact JLG Parts Department.	
		Ref	SPECIAL OPTIONS/ACCESSORIES/KITS	
		Ref	Airline to Platform Installation Options:	
	1001192931	Ref	Airline Installation (600S)	
	1001194110	Ref	Airline Installation (Arctic Package) (600S)	
	1001193215	Ref	Airline Installation (660SJ)	
	1001194045	Ref	Airline Installation (Arctic Package) (660SJ)	
	1001194205	Ref	Airline Installation - Dual Lines (ANSI, ANSI Export, China & CSA Specs) (600S)	
	1001245144	Ref	Air Intake Shutoff Valve (Deutz D2.9L4 Engines)	
	1001235884	Ref	Air Intake Shutoff Valve (Deutz TD2.9L4 Engines)	
	1001205017	Ref	Arctic Package Installation Kit - With Deutz TD2.9L4 -67HP Engines and Without SkyPower (600S)	
	1001205016	Ref	Arctic Package Installation Kit - With Deutz TD2.9L4 -67HP Engines and Without With SkyPower (600S)	
	1001205021	Ref	Arctic Package Installation Kit - With Deutz TD2.9L4 -67HP Engines and Without SkyPower (660SJ)	
	1001205020	Ref	Arctic Package Installation Kit - With Deutz TD2.9L4 -67HP Engines and Without With SkyPower (660SJ)	
	1001189169	Ref	Bellows Installation - Boom (600S)	
	1001189170	Ref	Bellows Installation - Boom (660SJ)	
	1001181778	Ref	Bellows Installation - Chassis (2WS)	
	1001181779	Ref	Bellows Installation - Chassis (4WS)	
	1001198884	Ref	Boom Cable/Hose Protection Installation (600S)	
	1001199095	Ref	Boom Cable/Hose Protection Installation (660SJ)	
	1001195235	Ref	Boom Wipers Installation (Standard Machines)	
	1001195236	Ref	Boom Wipers Installation (Shipyard Machines) (All Specs except Australian, CE & UK CA Specs) (600S)	
	1001233047	Ref	Breather Heater Kit (Deutz Engines)	
		Ref	ClearSky (Telematics) Installations (Dealer Installed)	
	1001276923	Ref	ClearSky (Telematics) 3 Wire GT1030 Added-on Kit (Dealer Installed)	
	1001265378	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (ANSI, ANSI Export, CSA, CE & UK CA Specs)	
	1001246142	Ref	ClearSky (Telematics) Add-on Kit (Australian Specs) (Dealer Installed)	
	1001243184	Ref	ClearSky (Telematics) Added-on Kit (Dealer Installed) (CE & UK CA Specs)	
	1001242639	Ref	ClearSky (Telematics) Access Control Add-on Kit (Dealer Installed)	
		Ref	ClearSky Telematics (Factory Installed)	
	1001227404	Ref	ClearSky Telematics Installation - Canbus Connection (ANSI & CSA Specs)	
	1001246524	Ref	ClearSky Telematics Installation - Canbus Connection (Australian Specs)	
	1001228947	Ref	ClearSky Telematics Installation - Canbus Connection (CE & UK CA Specs)	
	1001246525	Ref	ClearSky Telematics Installation - Canbus Connection (China Specs)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001233237	Ref	ClearSky Telematics Installation - 3 Wire Connection (Module P/N 1001233236) (CE & UK CA Specs)	
	1001276610	Ref	ClearSky Telematics Installation - 3 Wire Connection (Module P/N 1001277695) (All Specs Except China Specs)	
		Ref	Cold Weather Package Installation Options:	
	1001192489	Ref	Cold Weather Package Installation (Deutz D2011 Engine Machines)	
	1001282099	Ref	Cold Weather Package Installation (Deutz D2.9L4 (China IV) Engine Machines)	
	1001192475	Ref	Cold Weather Package Installation (Deutz D2.9L4 – 49HP and Deutz TD2.9L4 – 67HP Engine Machines)	
	1001219855	Ref	Cold Weather Package Installation (Ford Engine Machines)	
	1001256385	Ref	Cold Weather Package Installation (Deutz 2.2L3 Stage V Engine Machines, CE & UK CA)	
	1001239526	Ref	Container Transport Installation	
	1001276007	Ref	Controller Service Kit - Drive/Steer	
	1001276008	Ref	Controller Service Kit - Lift/Swing	
	1001195224	Ref	Counterweight Installation - Chassis (Required for Turf Tires)	
	1001191019	Ref	Cribbing Switch installation	
		Ref	Decal Installations Options:	
	1001120992	Ref	Decal - ClearSky (ANSI Spec) (ANSI, Australian, Brazilian and CSA Specs Only)	
	0257195	Ref	Decal - Government Warranty	
	1001200131	Ref	Decal - Quick Reference (Danish) (Lomax Rentals)	
	1001200129	Ref	Decal - Quick Reference (Dutch) (Lomax Rentals)	
	1001181145	Ref	Decal - Quick Reference (English) (Lomax Rentals)	
	1001200128	Ref	Decal - Quick Reference (French) (Lomax Rentals)	
	1001200130	Ref	Decal - Quick Reference (German) (Lomax Rentals)	
	1001200134	Ref	Decal - Quick Reference (Norwegian) (Lomax Rentals)	
	1001200133	Ref	Decal - Quick Reference (Spanish) (Lomax Rentals)	
	1001200132	Ref	Decal - Quick Reference (Swedish) (Lomax Rentals)	
		Ref	Decal Kits	
	1001272086	Ref	Platform Console Box Decal Kit **(SN 0300272507 to Present)**	
	1001272199	Ref	Platform Decal Kit	
	1001109259	Ref	Drive Orientation Kit (660SJ)	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
	1001220390	Ref	Engine Block Heater Installation (Ford Engine Machines)	
	1001256417	Ref	Engine Service Kit	
	1001269630	Ref	Fall Arrest (Bolt-on) Add-on Kit (30INx48IN Platform (All Specs)	
	1001269629	Ref	Fall Arrest (Bolt-on) Add-on Kit (30INx72IN Platform (All Specs)	
	1001269631	Ref	Fall Arrest (Bolt-on) Add-on Kit (30INx96IN Platform (All Specs)	
	1001237883	Ref	Fall Arrest (Bolt-on) Add-on Kit (36INx72IN Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186384 & 1001228376)	
	1001237882	Ref	Fall Arrest (Bolt-on) Add-on Kit (36INx96IN Platform (ANSI, ANSI Export, China, CSA & Japanese Specs Only) (Fits Platform p/ns 1001186383)	
	1001192482	Ref	Fan Grille Installation (Deutz D2011 Engines)	
	1001258140	Ref	Fan Guard Installation (Deutz TD2.2L3 (Stage V) Engine	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001172751	Ref	Fan Grille Installation (Deutz D2.9L4 - 49HP Engines)	
	1001192610	Ref	Fan Grille Installation (Deutz TD2.9L4 - 67HP Engines)	
	1001256272	Ref	Fan/Belt Shield Add-on Kit (Dealer Installed)	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)	
	1001238957	1	Deutz D2011 Engines	
	1001238961	1	Deutz TD2.9L4 - 67HP Engines	
	1001238960	1	Ford Engines	
	1001109692	1	Hydraulic/Air Filter	
	1001110133	1	Fuel/Engine Oil Filter (Deutz Engines Only)	
	1001139099	Ref	Fire Extinguisher installation (Platform Mounted)	
	1001117294	Ref	Footswitch Shield (Note: Move Decal to Shield)	
	1001265676	Ref	Ford Connector (42 Position) Service Kit	
	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)	
		Ref	Hood (Steel) Replacement Kit	
	1001126286	Ref	Deutz Engine Machines	
	1001281467	Ref	Hood Latch Parts Kit (Steel Hoods)	
		Ref	Hose Kit Options:	
	1001271090	Ref	Hose Kit - Hydac	
	1001266027	Ref	Hose Kit - Platform Valve (600S)	
	1001238906	Ref	Hose Kit - Platform Valve (660SJ)	
	1001270504	Ref	Hose Kit - Platform Valve (660SJ)	
	1001238902	Ref	Hose Kit - Upper Power Track (600S)	
	1001238904	Ref	Hose Kit - Upper Power Track (660SJ)	
		Ref	Hostile Environment Installation Options:	
	1001238927	Ref	Hostile Environment Installation (2WS) (600S)	
	1001238928	Ref	Hostile Environment Installation (4WS) (600S)	
	1001238929	Ref	Hostile Environment Installation (2WS) (660SJ)	
	1001238930	Ref	Hostile Environment Installation (4WS) (660SJ)	
	1001195237	Ref	Hostile Package (Extreme) Installation (2WS)	
	1001195238	Ref	Hostile Package (Extreme) Installation (4WS)	
	1001265700	Ref	Hydraulic Tank Lock	
	1001189615	Ref	Kingpin Removal Kit	
	1001148971	Ref	Lanyard (Bolt-On) Kit Installation	
	1001253783	Ref	Lift Cylinder Kit (600S)	
	1001271456	Ref	Lift Cylinder Enhancement Kit	
	1001249437	Ref	Lift Cylinder Valve Kit	
		Ref	Light Options:	
	1001190761	Ref	Chassis Illumination Lights Installation	
	1001190717	Ref	Headlights & Taillights Installation	
	1001120467	Ref	Platform Floodlights Instsallation	
	1001178951	Ref	Platform Mounted Strobe Light Installation	
	1001193521	Ref	Platform/Ground Dual Located Mounted Strobe Light Installation	
	1001266663	Ref	Ground Located Strobe Light Installation	
	1001120466	Ref	Platform Worklights Installation	
	1001268737	Ref	Jib Link Service Kit	
	1001183407	Ref	Low Temperature Cutout Installation (Russian Specs)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001247800	Ref	Mattracks 600 Kit	
		Ref	Oil Cooler Options:	
	1001195355	Ref	Oil Cooler Installation (Deutz TD2011 Engine)	
	1001254943	Ref	Oil Cooler Installation (Deutz TD2.2L3 (Stage V) Engine)	
	1001242998	Ref	Oil Cooler Installation (Deutz D2.9L4 - 49HP Engine)	
	1001195354	Ref	Oil Cooler Installation (Deutz TD2.9L4 - 67HP Engine)	
	1001219854	Ref	Oil Cooler Installation (Ford Engine)	
	1001233035	Ref	Pinion Shield Installation	
	1001272166	Ref	Pipe Racks Add-on Kit (Dealer Installed)	
	1001110982	Ref	Platform Bumpers Installation (Shipyard Spec Machines)	
		Ref	Platform Console Cover Installations	
	1001195304	Ref	Platform Console Cover Installation (Clear Polycarbonate)	
	1001110974	Ref	Platform Console Cover Installation (Steel) (All Specs)	
	1001125230	Ref	Platform Console Cover Installation (Steel) (Chinese Specs)	
	1001125229	Ref	Platform Console Cover Installation (Steel) (Korean Specs)	
	1001270482	Ref	Platform Console Cover Service Kit	
		Ref	Platform Entry Kit	
	1001142504	Ref	Platform Entry Kit - Replace Swing Gate with Drop Bar	
	1001142505	Ref	Platform Entry Kit - Replace Drop Bar with Swing Gate	
		Ref	Platform Extension (Top Rail)	
	0272733	Ref	36in x 72in Platforms	
	0272725	Ref	36in x 96in Platforms	
	1001274833	Ref	Platform Floormats Add-on Kit - 30x48 Platform (Dealer Installed)	
	1001274832	Ref	Platform Floormats Add-on Kit - 30x60 Platform (Dealer Installed)	
	1001274830	Ref	Platform Floormats Add-on Kit - 36x72 Platform (Dealer Installed)	
	1001274829	Ref	Platform Floormats Add-on Kit - 36x96 Platform (Dealer Installed)	
		Ref	Platform Mesh to Top Rail Add-on Kits:	
	1001214552	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001214559	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001214560	Ref	30in x 6ft (91.5cm x 1.83m) with Gate	
	1001214561	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001214562	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
		Ref	Platform Mesh to Top Rail Installations	
	0273147	Ref	30in x 4ft (76cm x 1.22m)	
	0273146	Ref	30in x 5ft (76cm x 1.52m)	
	0273149	Ref	36in x 6ft (91.5cm x 1.83m)	
	0273145	Ref	36in x 8ft (91.5cm x 2.44m)	
		Ref	Platform Mesh to Mid Rail Add-on Kits:	
	1001214478	Ref	30in x 4ft (76cm x 1.22m) with Gate	
	1001214515	Ref	30in x 5ft (76cm x 1.52m) with Gate	
	1001214540	Ref	36in x 6ft (91.5cm x 1.83m) with Gate	
	1001214548	Ref	36in x 8ft (91.5cm x 2.44m) with Gate	
		Ref	Platform Mesh to Mid Rail Installation	
	1001140318	Ref	30in x 4ft (76cm x 1.22m)	
	1001140315	Ref	30in x 5ft (76cm x 1.52m)	
	1001138772	Ref	36in x 6ft (91.5cm x 1.83m)	
	1001138773	Ref	36in x 8ft (91.5cm x 2.44m)	
	1580013	Ref	Platform Storage Tray (Corner Mounted)	
	1001211366	Ref	Service Kits & Tools	V
	1001263794	Ref	Alert Beacon (Blue)	
	1001263795	Ref	Alert Beacon (Red)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001260490	Ref	Platform Manifold	
	1001247073	Ref	SkyEye Add-on Kit (Dealer Installed)	
	1001241547	Ref	SkyEye Repair Kit (LH Side)	
	1001241548	Ref	SkyEye Repair Kit (RH Side)	
	2902232	Ref	SkyGlazier Kit (Includes 36in x 8ft (91.5cm x 2.44m) Platform)	
	1001101422	Ref	SkyGlazier Kit (Platform not Included)	
	1001249052	Ref	SkyGuard Add-on Kit (Dealer Installed)	
	1001197016	Ref	SkyGuard Installation Kit (New Style Platform)	
	1001206311	Ref	SkyGuard Blue Beacon Installation Kit	
	1001262016	Ref	SkyLine Add-on Kit (Dealer Installed)	
	1001217055	Ref	SkyPower Kit (Deutz TD2.9L4 Engine)	
	1001246867	NSS	SkySense (EDS) Level 1 Add-on Kit (Dealer Installed) (Use PN 1001253618)	
	1001253618	Ref	SkySense (EDS) Level 1 Module Repair Kit for 1001246867	
	1001252033	Ref	SkySense (EDS) Level 1 Add-on Kit (Dealer Installed)	
	1001246860	NSS	SkySense (EDS) Level 2 Add-on Kit (Dealer Installed) (Use PN 1001253619)	
	1001253619	Ref	SkySense (EDS) Level 2 Module Repair Kit for 1001246860	
	1001252034	Ref	SkySense (EDS) Level 2 Add-on Kit (Dealer Installed)	
	1001253945	Ref	SkySense (EDS) Level 1 Installation (Factory Installed) (PVC 2001)	
	1001253946	Ref	SkySense (EDS) Level 1 Installation (Factory Installed) (PVC 2001)	
	1001250465	Ref	SkySense (EDS) Level 1 Booms Installation (Factory Installed) (PVC 2007)	
	1001250466	Ref	SkySense (EDS) Level 2 Booms Installation (Factory Installed) (PVC 2007)	
	1001231235	Ref	SkyWelder Locking Bracket Installation	
	1001256418	Ref	Tank Service Kit	
		Ref	Tools for Service	
	1001249695	1	Analyzer and Cable Kit	
	1001249941	1	Analyzer and Cable Kit (Battery Powered)	
	1001137005	1	Software Cable Kit	
	7002840	1	Anti-Rotation Pin Removal Tool	
	8896941	1	Wire Stripper	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1in	
	7004276	1	Seal Installation Tool - 1-1/2in	
	7002826	1	Seal Installation Tool - 2in	
	7016655	1	Wire Rope Sheave Gauge	
	7016652	1	Huck Bolt Faster (For Small Huck Bolts Only)	
	2915096	Ref	Turntable Bearing Kit	
	1001262959	Ref	Voltage Relocation Kit	
	1001238898	Ref	Wear Pad Kit	
	1001238907	Ref	Wire Rope Kit	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001270718	Ref	White Noise Alarm (Ambient) Add-on Kit (Dealer Installed)	
	1001270717	Ref	White Noise Alarm Service Kit	

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