# Illustrated Parts Manual

# *Model 1250AJP*

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**2207**

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***ANSI***

CE

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***AS/NZS***

An Oshkosh Corporation Company

# REVISION LOG

July 11, 2022 - A - Original Issue of Manual (Edited to B/M 1001261250 Revision Q)
November 15, 2022 - B - Revised Manual (Edited to B/M 1001261250 Revision S)
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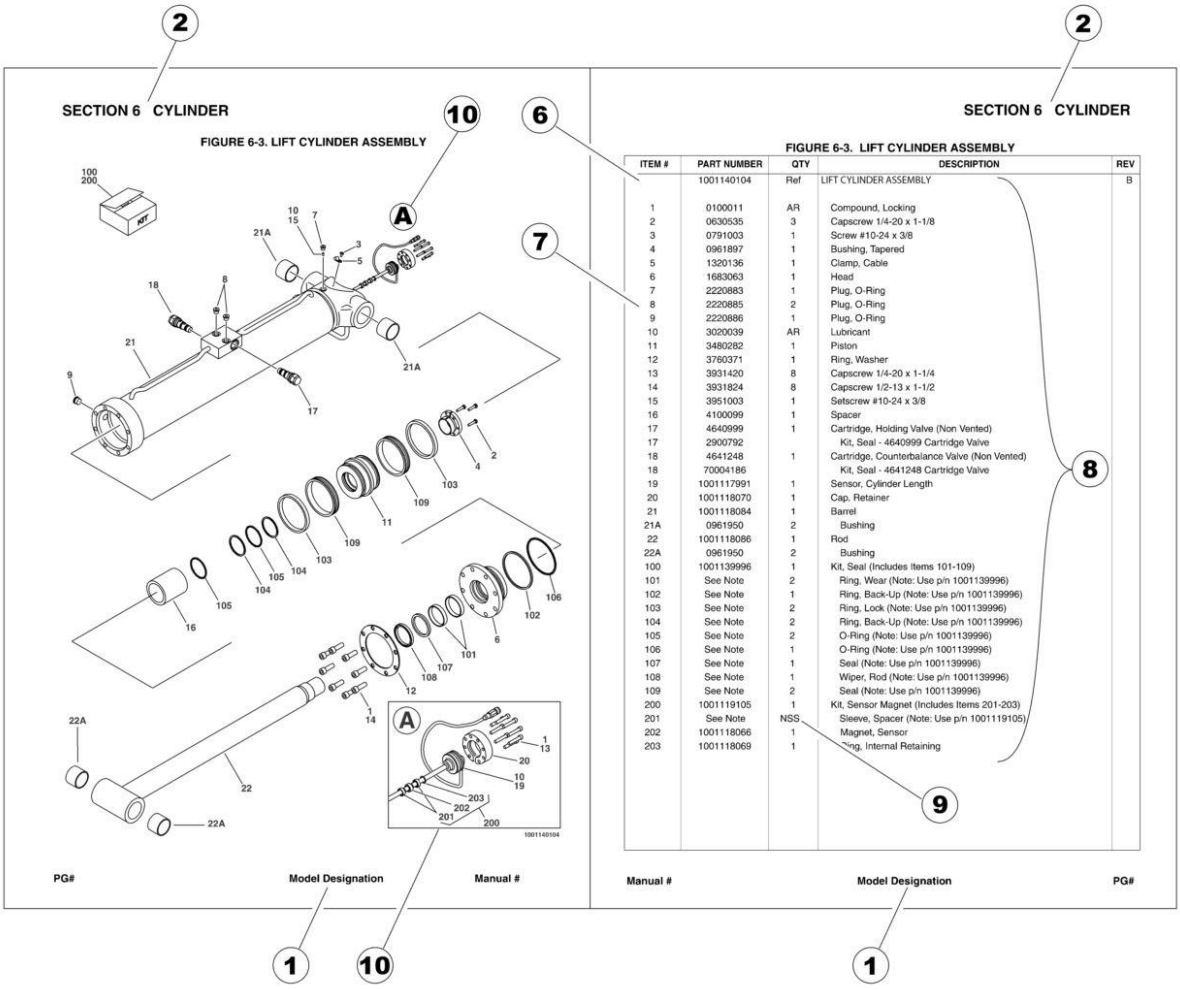
# GENERAL INFORMATION




### 1) MACHINE IDENTIFICATION

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

### 2) PARTS MANUAL ORGANIZATION

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

### 3) TABLE OF CONTENTS (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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# SECTION 1 - FRAME

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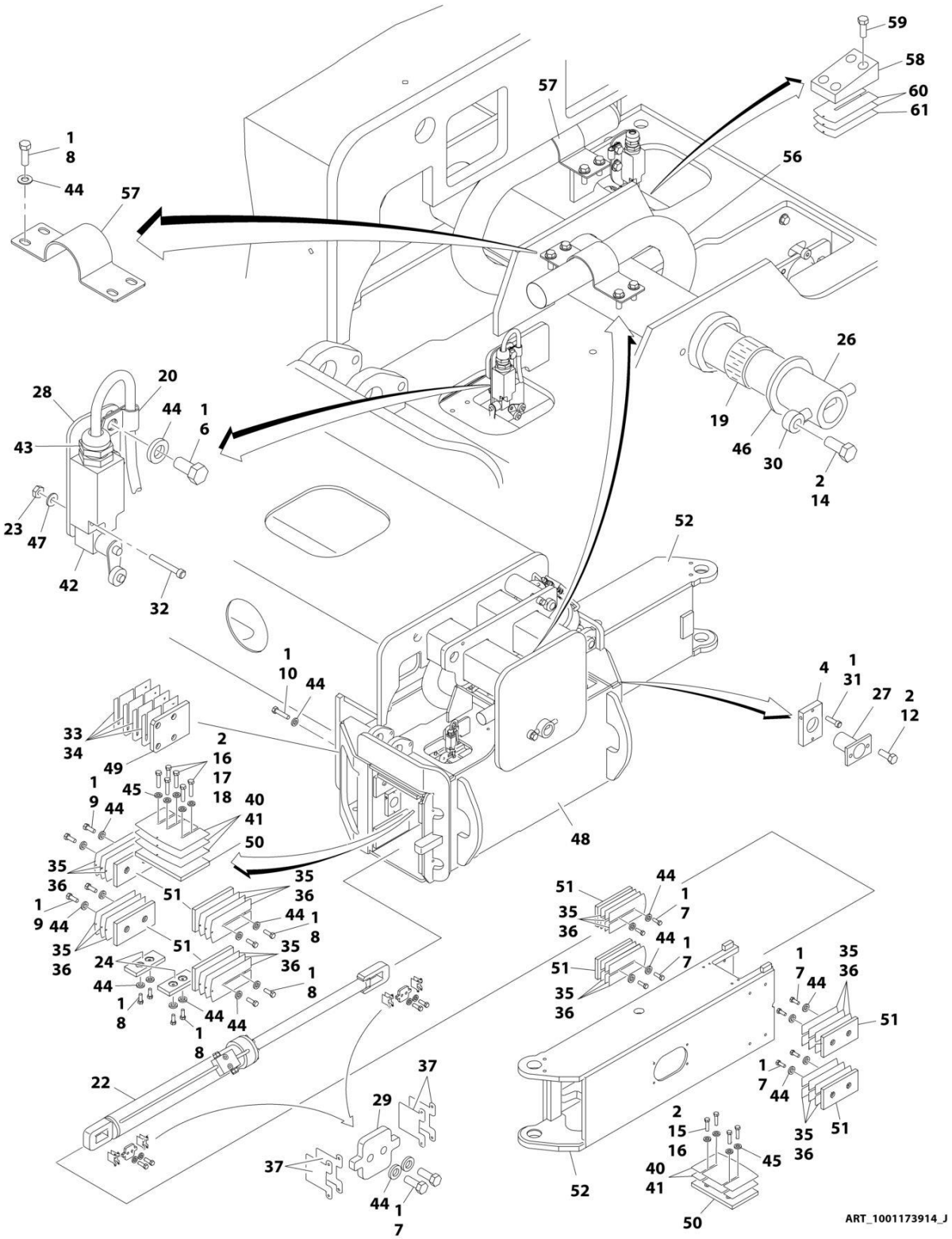


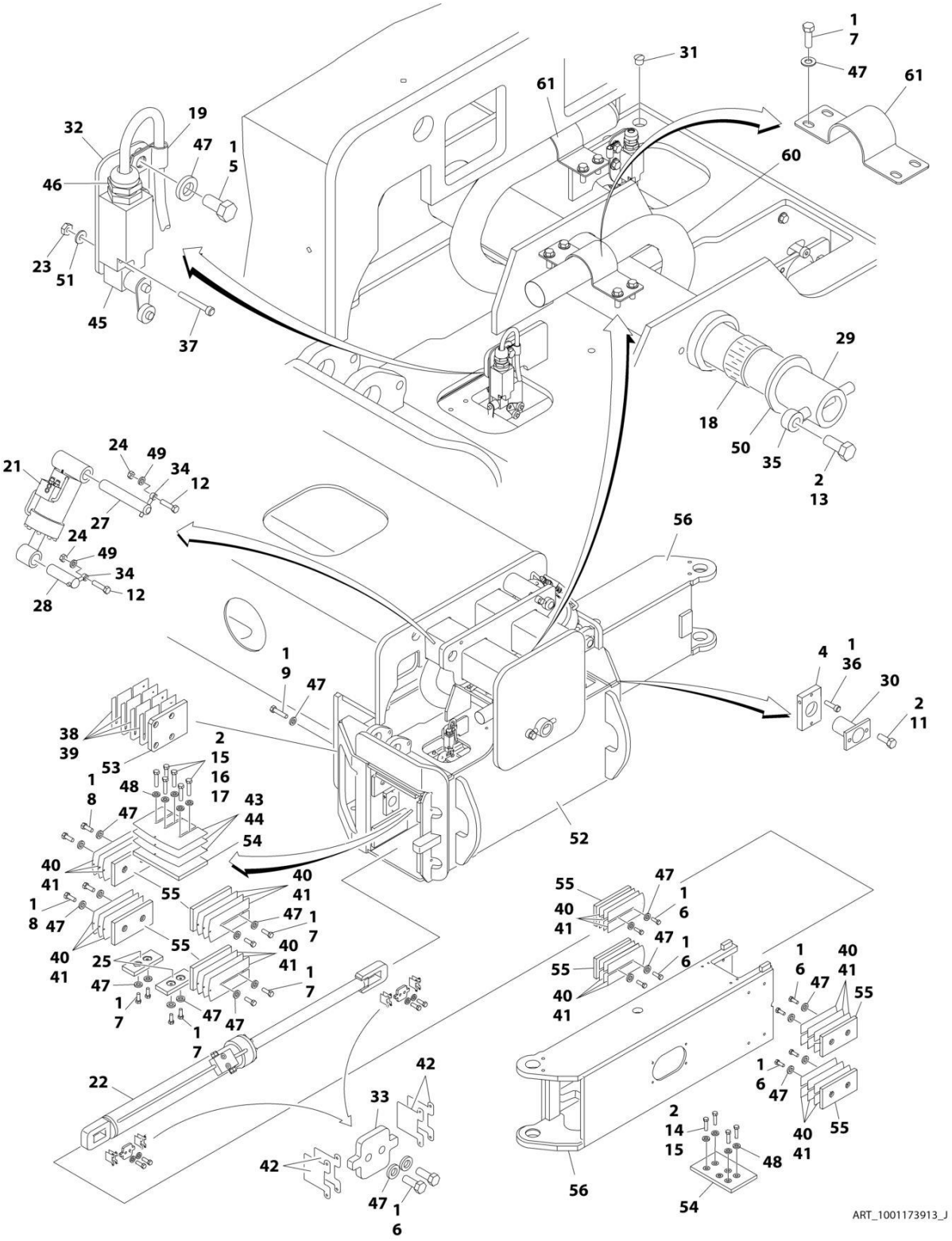
## FIGURE 1-1. AXLE INSTALLATION - FIXED

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001173914 | Ref | AXLE INSTALLATION - FIXED | J |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 4 | 0363037 | 4 | Bar, Stop | |
| 6 | 0641606 | 8 | Bolt 3/8 x 3/4 | |
| 7 | 0641608 | 48 | Bolt 3/8 x 1 | |
| 8 | 0641609 | 64 | Bolt 3/8 x 1-1/8 | |
| 9 | 0641611 | 16 | Bolt 3/8 x 1-3/8 | |
| 10 | 0641613 | 8 | Bolt 3/8 x 1-5/8 | |
| 12 | 0641808 | 8 | Bolt 1/2 x 1 | |
| 14 | 0642214 | 1 | Bolt 3/4 x 1-3/4 | |
| 15 | 0681813 | 12 | Bolt 1/2 x 1-5/8 Grade 8 | |
| 16 | 0681814 | 18 | Bolt 1/2 x 1-3/4 Grade 8 | |
| 17 | 0681815 | 12 | Bolt 1/2 x 1-7/8 Grade 8 | |
| 18 | 0681816 | 6 | Bolt 1/2 x 2 Grade 8 | |
| 19 | 0962033 | 2 | Bushing | |
| 20 | 1320263 | 4 | Clamp, Cable | |
| 22 | 1001251020 | 4 | Axle Extension Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION) | |
| 23 | 3310805 | 8 | Nut #8 | |
| 24 | 3340881 | 8 | Pad, Wear | |
| 26 | 3422918 | 1 | Pin | |
| 27 | 3422960 | 4 | Pin | |
| 28 | 3573294 | 4 | Plate | |
| 29 | 3573335 | 8 | Plate | |
| 30 | 3841287 | 1 | Keeper, Pin | |
| 31 | 3900270 | 4 | Bolt 1/2 x 1-1/2 | |
| 32 | 3930820 | 8 | Capscrew #8 x 1-1/4 | |
| 33 | 4071035 | 2 | Shim #18 Gauge | |
| 34 | 4071036 | 4 | Shim #11 Gauge | |
| 35 | 4071039 | 10 | Shim #18 Gauge | |
| 36 | 4071040 | 36 | Shim #11 Gauge | |
| 37 | 4071042 | 24 | Shim #16 Gauge | |
| 40 | 4071054 | 8 | Shim #18 Gauge | |
| 41 | 4071055 | 12 | Shim #11 Gauge | |
| 42 | 4360578 | 4 | Switch, Limit | |
| 43 | 4460968 | 4 | Connector, Strain Relief | |
| 44 | 4711600 | 144 | Washer 3/8 | |
| 45 | 4711800 | 48 | Washer 1/2 | |
| 46 | 4740461 | 1 | Thrustwasher | |
| 47 | 4750800 | 8 | Washer #8 | |
| 48 | 4846383 | 1 | Box, Axle Pivot | |
| 49 | 1001161401 | 2 | Pad, Axle | |
| 50 | 1001161402 | 8 | Pad, Wear | |
| 51 | 1001161403 | 32 | Pad, Wear | |
| 52 | 4846637 | 4 | Extension, Axle | |
| 55 | 4240155 | 6 | Strap (Not Shown) | |
| 56 | 1001193674 | 4 | Sleeve, Nylon | |
| 57 | 1001191541 | 8 | Bracket, Hose Mount | |
| 58 | 0363076 | 2 | Bar | |

# SECTION 1 - FRAME

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 59 | 0641814 | 4 | Bolt 1/2 x 1-3/4 | |
| 60 | 4071049 | 4 | Shim #11 Gauge | |
| 61 | 4071050 | 2 | Shim #16 Gauge | |
| 62 | 2220235 | 1 | Plug (Not Shown - Located on Junction Manifold) | |

## FIGURE 1-2. AXLE INSTALLATION - OSCILLATING



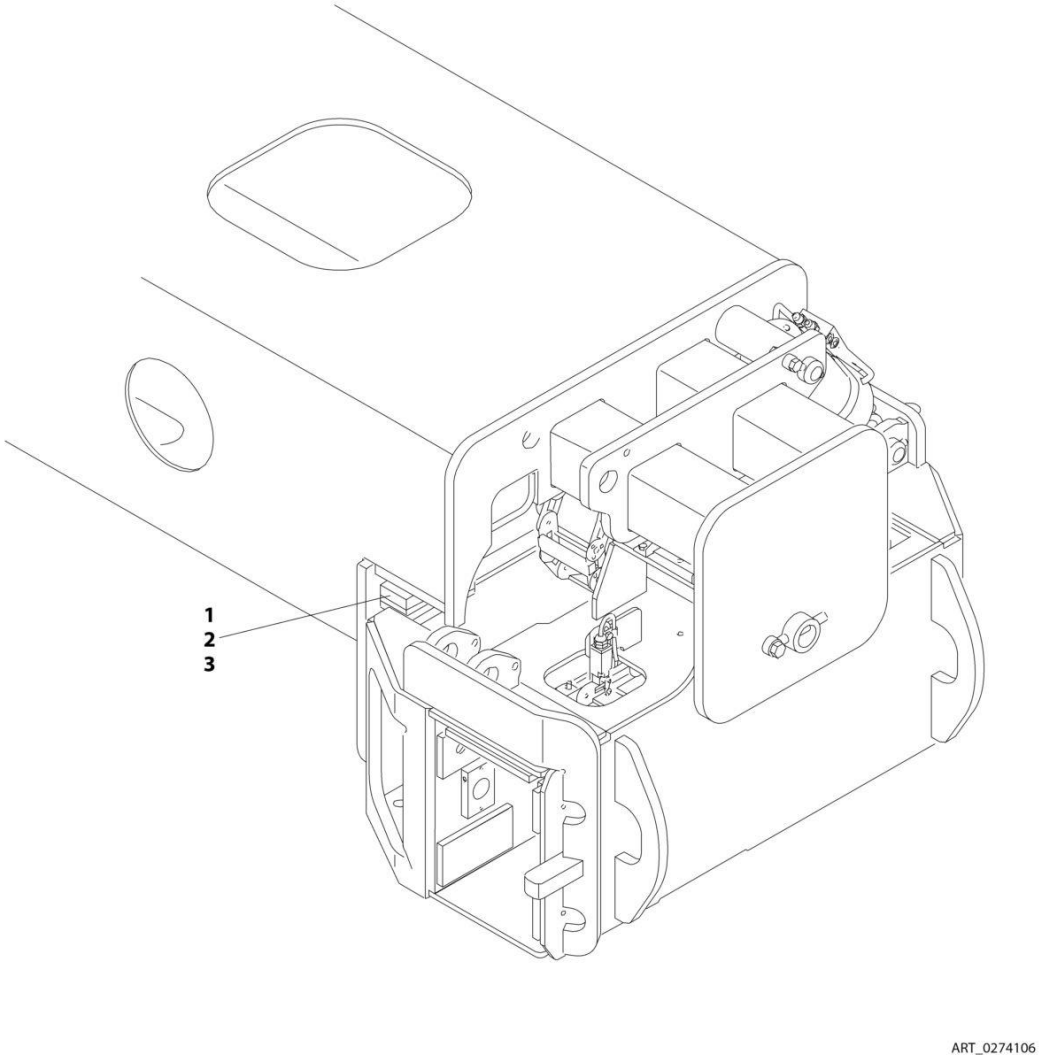
## FIGURE 1-2. AXLE INSTALLATION - OSCILLATING

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001173913 | Ref | AXLE INSTALLATION - OSCILLATING | J |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 4 | 0363037 | 4 | Bar, Stop | |
| 5 | 0641606 | 8 | Bolt 3/8 x 3/4 | |
| 6 | 0641608 | 48 | Bolt 3/8 x 1 | |
| 7 | 0641609 | 64 | Bolt 3/6 x 1-1/8 | |
| 8 | 0641611 | 16 | Bolt 3/8 x 1-3/8 | |
| 9 | 0641613 | 8 | Bolt 3/8 x 1-5/8 | |
| 11 | 0641808 | 8 | Bolt 1/2 x 1 | |
| 12 | 0642020 | 4 | Bolt 5/8 x 2-1/2 | |
| 13 | 0642214 | 1 | Bolt 3/4 x 1-3/4 | |
| 14 | 0681813 | 12 | Bolt 1/2 x 1-5/8 Grade 8 | |
| 15 | 0681814 | 18 | Bolt 1/2 x 1-3/4 Grade 8 | |
| 16 | 0681815 | 12 | Bolt 1/2 x 1-7/8 Grade 8 | |
| 17 | 0681816 | 6 | Bolt 1/2 x 2 Grade 8 | |
| 18 | 0962033 | 2 | Bushing | |
| 19 | 1320263 | 4 | Clamp, Cable | |
| 21 | 1001251019 | 2 | Oscillating Axle Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 22 | 1001251020 | 4 | Axle Extension Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 23 | 3310805 | 8 | Nut #8 | |
| 24 | 3312005 | 4 | Nut 5/8 | |
| 25 | 3340881 | 8 | Pad, Wear | |
| 27 | 3422833 | 2 | Pin | |
| 28 | 3422915 | 2 | Pin | |
| 29 | 3422918 | 1 | Pin | |
| 30 | 3422960 | 4 | Pin | |
| 31 | 3520054 | 4 | Plug | |
| 32 | 3573294 | 4 | Plate | |
| 33 | 3573335 | 8 | Plate | |
| 34 | 3841258 | 4 | Keeper, Pin | |
| 35 | 3841287 | 1 | Keeper, Pin | |
| 36 | 3900270 | 4 | Bolt 1/2 x 1-1/2 | |
| 37 | 3930820 | 8 | Capscrew #8 x 1-1/4 | |
| 38 | 4071035 | 2 | Shim #18 Gauge | |
| 39 | 4071036 | 4 | Shim #11 Gauge | |
| 40 | 4071039 | 10 | Shim #18 Gauge | |
| 41 | 4071040 | 36 | Shim #11 Gauge | |
| 42 | 4071042 | 24 | Shim #16 Gauge | |
| 43 | 4071054 | 8 | Shim #18 Gauge | |
| 44 | 4071055 | 12 | Shim #11 Gauge | |
| 45 | 4360578 | 4 | Switch, Limit | |
| 46 | 4460968 | 4 | Connector, Strain Relief | |
| 47 | 4711600 | 144 | Washer 3/8 | |
| 48 | 4711800 | 48 | Washer 1/2 | |
| 49 | 4712000 | 4 | Washer 5/8 | |
| 50 | 4740461 | 1 | Thrustwasher | |
| 51 | 4750800 | 8 | Washer #8 | |

# SECTION 1 - FRAME

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 52 | 4846383 | 1 | Box, Axle Pivot | |
| 53 | 1001161401 | 2 | Pad, Axle | |
| 54 | 1001161402 | 8 | Pad, Wear | |
| 55 | 1001161403 | 32 | Pad, Wear | |
| 56 | 4846637 | 4 | Extension, Axle | |
| 59 | 4240155 | 6 | Strap (Not Shown) | |
| 60 | 1001193674 | 4 | Sleeve, Nylon | |
| 61 | 1001191541 | 8 | Bracket, Hose Mount | |

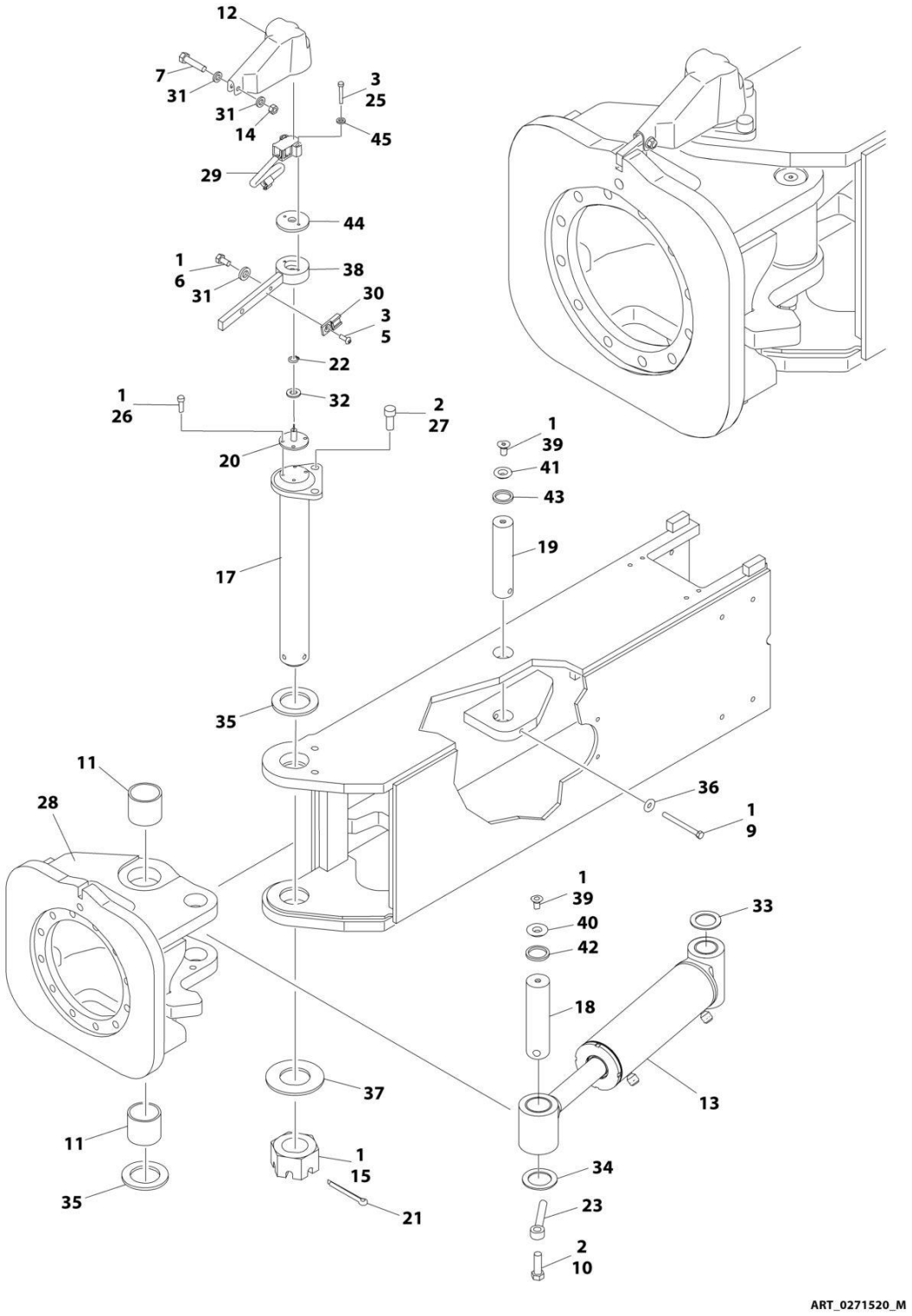
**FIGURE 1-3. AXLE STOP BLOCKS INSTALLATION**



## FIGURE 1-3. AXLE STOP BLOCKS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0274106 | Ref | AXLE STOP BLOCKS INSTALLATION | A |
| 1 | 0100019 | AR | Compound, Locking | |
| 2 | 3931816 | 4 | Capscrew 1/2 x 1 | |
| 3 | 4220235 | 2 | Block, Stop | |

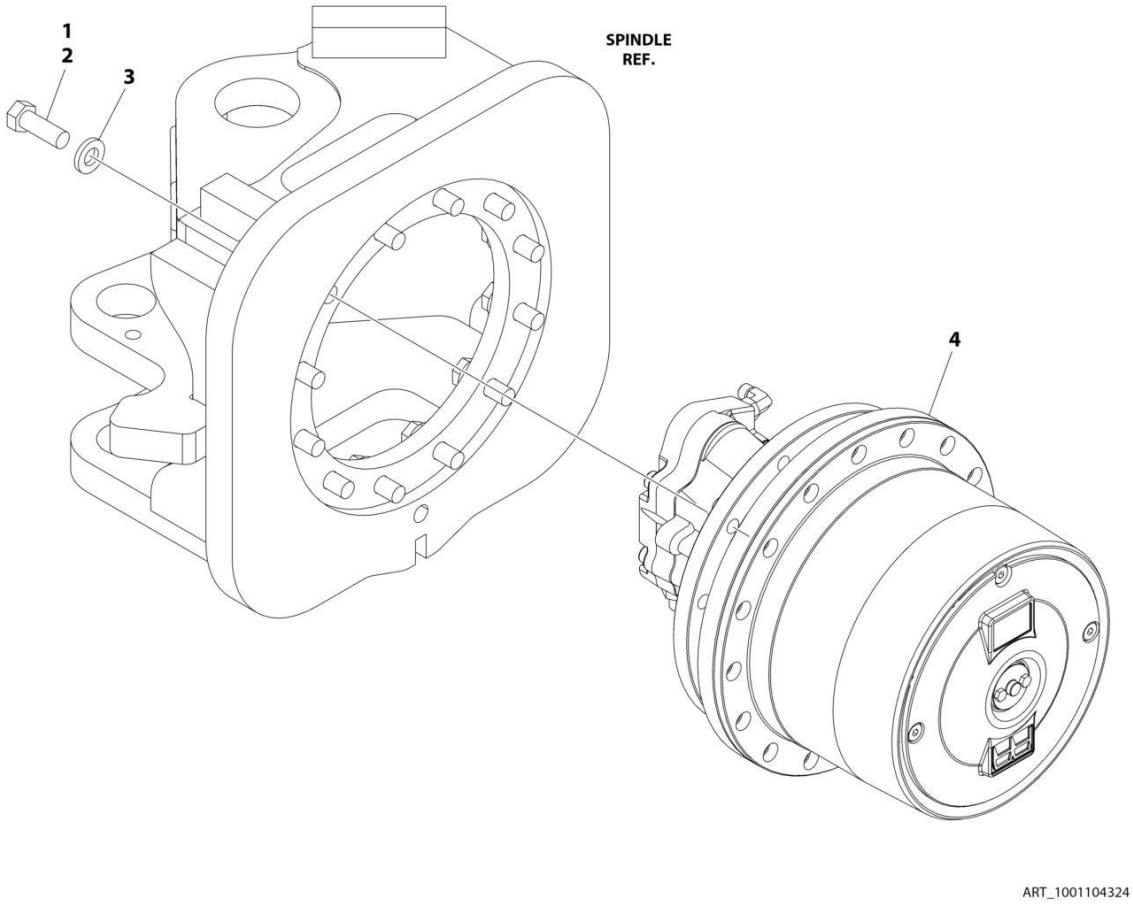
## FIGURE 1-4. STEER INSTALLATION



## FIGURE 1-4. STEER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0271520 | Ref | STEER INSTALLATION | M |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0100035 | AR | Compound, Locking | |
| 5 | 0630464 | 4 | Screw #10 x 1/2 | |
| 6 | 0641505 | 4 | Bolt 5/16 x 5/8 | |
| 7 | 0641511 | 4 | Bolt 5/16 x 1-3/8 | |
| 9 | 0641634 | 4 | Bolt 3/8 x 4-1/4 | |
| 10 | 0642016 | 4 | Bolt 5/8 x 2 | |
| 11 | 0962423 | 8 | Bushing | |
| 12 | 1671040 | 4 | Cover, Sensor | |
| 13 | 1001251031 | 4 | Steer Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 14 | 3311505 | 4 | Nut 5/16 | |
| 15 | 3300464 | 4 | Nut, Slotted | |
| 17 | 3422917 | 4 | Kingpin | |
| 18 | 3422940 | 4 | Pin, Steer Cylinder (Outer) | |
| 19 | 3422941 | 4 | Pin, Steer Cylinder (Inner) | |
| 20 | 3423256 | 4 | Pin, Sensor | |
| 21 | 3451214 | 4 | Pin, Cotter 3/8 x 3-1/2 | |
| 22 | 3760383 | 4 | Ring, Retaining | |
| 23 | 3841258 | 4 | Keeper, Pin | |
| 25 | 3931020 | 8 | Capscrew #10 x 1-1/4 | |
| 26 | 3931412 | 16 | Capscrew 1/4 x 3/4 | |
| 27 | 3932024 | 8 | Capscrew 5/8 x 1-1/2 | |
| 28 | 1001099632 | 4 | Spindle | |
| 29 | 4360505 | 4 | Switch, Rotary Angle Sensor (Steer) | |
| 30 | 4460914 | 4 | Terminal | |
| 31 | 4711500 | 12 | Washer 5/16 | |
| 32 | 4711800 | 4 | Washer 1/2 | |
| 33 | 4740181 | 4 | Thrustwasher | |
| 34 | 4740229 | 4 | Thrustwasher | |
| 35 | 4740505 | 8 | Thrustwasher | |
| 36 | 4751600 | 4 | Washer 3/8 | |
| 37 | 4755000 | 4 | Washer 2-1/2 | |
| 38 | 0200833 | 4 | Arm, Steer | |
| 39 | 0741606 | 8 | Screw 3/8 x 3/4 | |
| 40 | 1120549 | 4 | Cap, Seal (Outer) | |
| 41 | 1120550 | 4 | Cap, Seal (Inner) | |
| 42 | 3960551 | 4 | Seal (Outer) | |
| 43 | 3960552 | 4 | Seal (Inner) | |
| 44 | 0080277 | 4 | Adapter, Angle Sensor Pilot | |
| 45 | 4811600 | 8 | Washer M5 | |

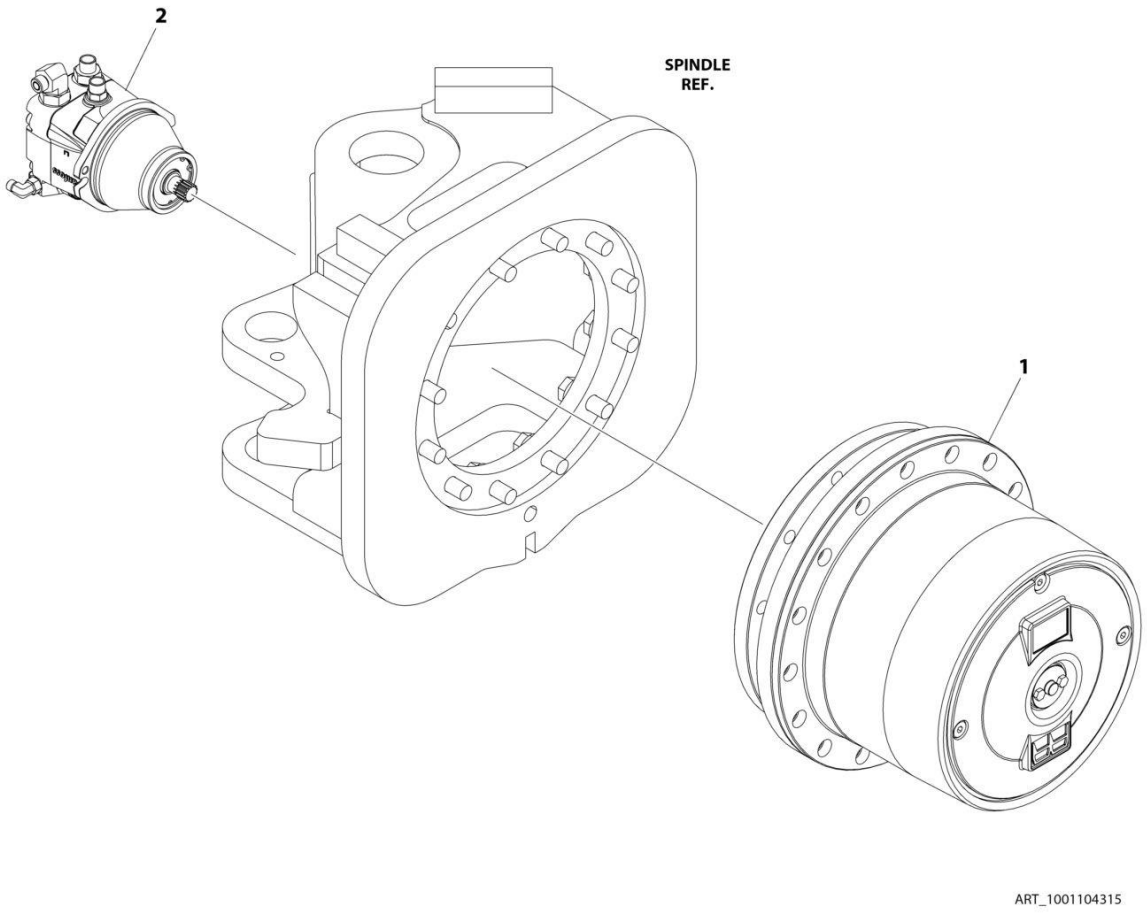
## FIGURE 1-5. WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI



## FIGURE 1-5. WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001104324 | Ref | WHEEL DRIVE INSTALLATION - REGGIANA RIDUTTORI | B |
| 1 | 0100019 | AR | Compound, Locking | |
| 2 | 0701617 | 48 | Bolt M16 x 45 (12 Per Wheel) | |
| 3 | 4892000 | 48 | Washer 5/8 (12 Per Wheel) | |
| 4 | 1001104315 | 4 | Drive Hub and Motor Assembly - Reggiana Riduttori (See Separate Breakdown in this Section) | |

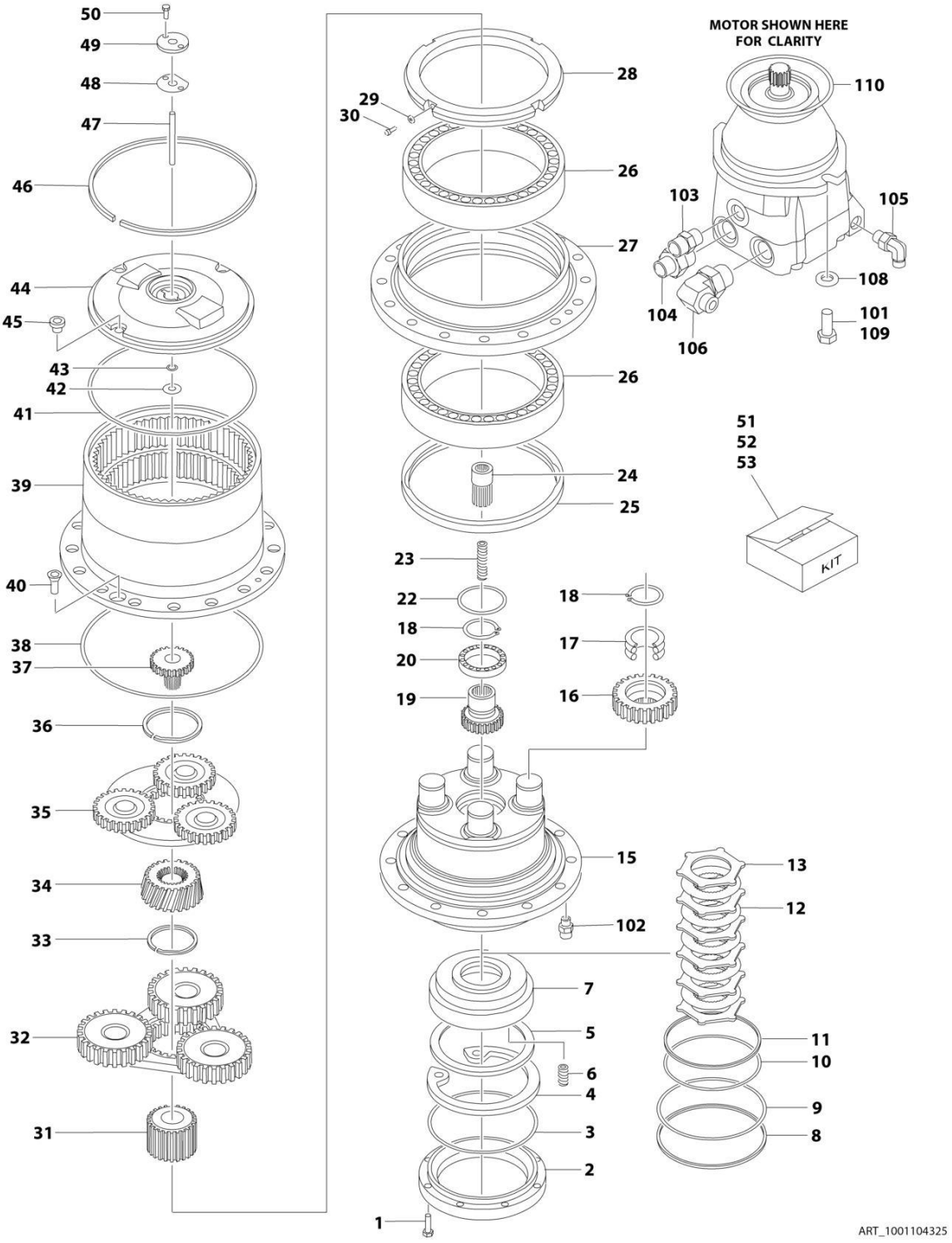
## FIGURE 1-6. DRIVE HUB AND MOTOR ASSEMBLY - REGGIANA RIDUTTORI



## FIGURE 1-6. DRIVE HUB AND MOTOR ASSEMBLY - REGGIANA RIDUTTORI

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001104315 | Ref | DRIVE HUB AND MOTOR ASSEMBLY - REGGIANA RIDUTTORI | B |
| | | Ref | Note: Various brands used on Machines. When replacing complete hub, note that all 4 hubs must be the same brand. | |
| | | Ref | Note: Various brands used on Machines. Identify brand before ordering replacement parts. | |
| 1 | 1001104325 | 4 | Drive Hub Assembly - Reggiana Riduttori (See Separate Breakdown in this Section) | |
| 2 | 3160339 | 4 | Drive Motor Assembly (See Separate Breakdown in this Section) | |

## FIGURE 1-7. DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI



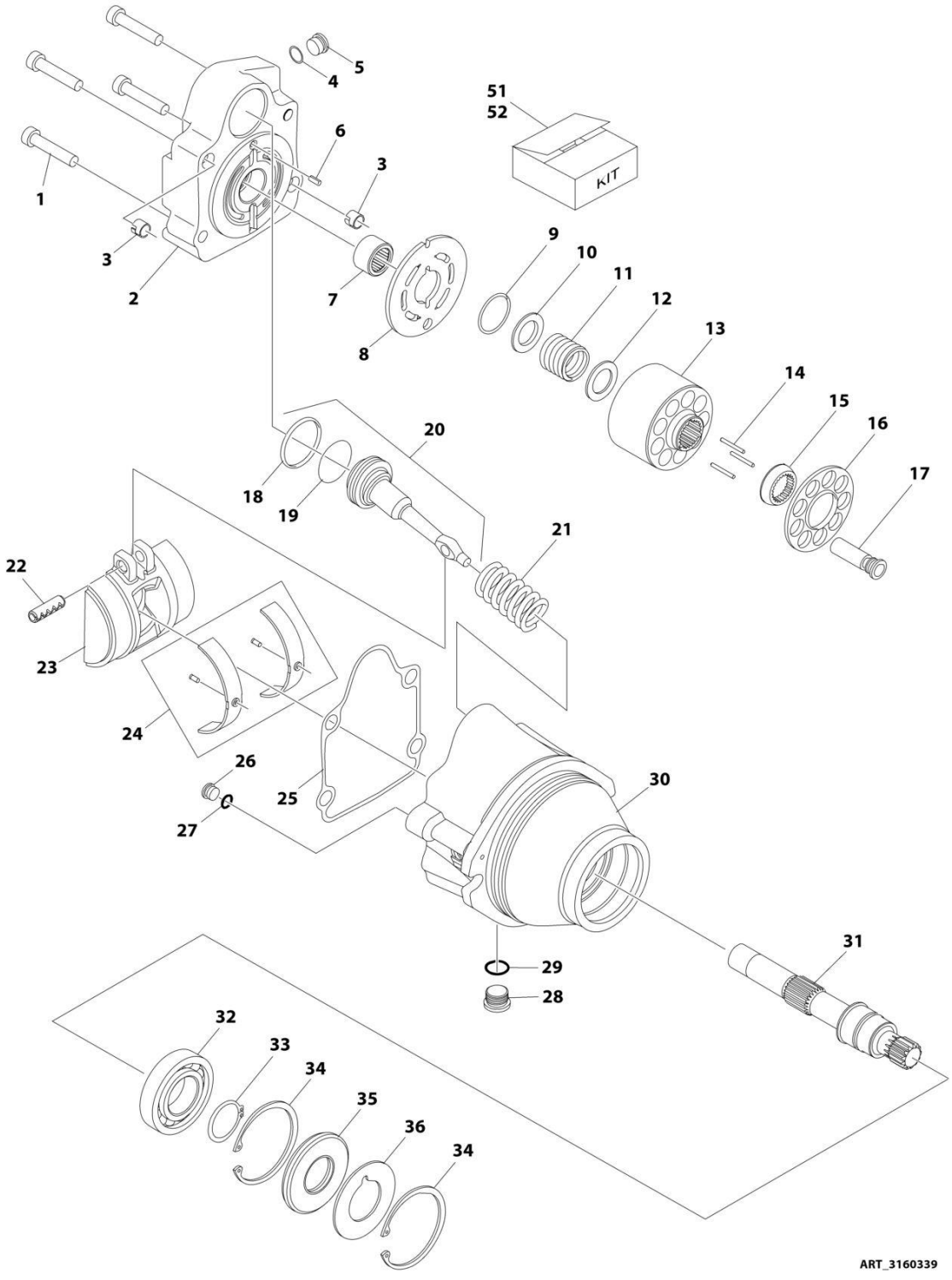
## FIGURE 1-7. DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001104325 | Ref | DRIVE HUB ASSEMBLY - REGGIANA RIDUTTORI | G |
| | | Ref | Note: Various brands used on Machines. Identify brand before ordering replacement parts. | |
| | 1001101550 | 1 | Hub, Torque | C |
| 1 | 70002015 | 8 | Bolt M8 x 25 | |
| 2 | 70002016 | 1 | Ring, Motor Support | |
| 3 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 4 | 70002018 | 1 | Snap Ring | |
| 5 | 70002019 | 1 | Retainer, Spring | |
| 6 | 70002020 | 9 | Spring | |
| 7 | 70002021 | 1 | Piston | |
| 8 | See Note | NSS | Ring, Back-up (Note: Use Item 51 or 53) | |
| 9 | See Note | NSS | O-Ring (Note: Use Item 51 or 53) | |
| 10 | See Note | NSS | O-Ring (Note: Use Item 51 or 53) | |
| 11 | See Note | NSS | Ring, Back-up (Note: Use Item 51 or 53) | |
| 12 | 70002026 | 5 | Disc, Friction | |
| 13 | 70002027 | 6 | Disc, Steel | |
| 15 | 70002029 | 1 | Spindle | |
| 16 | 70002030 | 4 | Gear, Planetary | |
| 17 | 70002031 | 4 | Bearing | |
| 18 | 70002032 | 5 | Snap Ring | |
| 19 | 70002033 | 1 | Gear, Brake/Input | |
| 20 | 70002034 | 1 | Bearing | |
| 22 | 70002035 | 1 | Ring, Wear | |
| 23 | 70002036 | 1 | Spring | |
| 24 | 70002037 | 1 | Shaft, Engagement | |
| 25 | See Note | NSS | Seal (Note: Use Item 51) | |
| 26 | 70002039 | 2 | Bearing Assembly | |
| 27 | 70002040 | 1 | Support, Hub | |
| 28 | 70002041 | 1 | Nut, Retaining | |
| 29 | 70002674 | 4 | Washer | |
| 30 | 70002674 | 4 | Screw | |
| 31 | 70002044 | 1 | Gear, Planetary Sun | |
| 32 | 70002045 | 1 | Reduction Assembly, Secondary | |
| 33 | 70002046 | 1 | Snap Ring | |
| 34 | 70002047 | 1 | Gear, Secondary Input Sun | |
| 35 | 70002048 | 1 | Reduction Assembly, Primary | |
| 36 | 70002049 | 1 | Snap Ring | |
| 37 | 70002050 | 1 | Gear, Primary Input Sun | |
| 38 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 39 | See Note | NSS | Housing, Hub (Note: Not Available - Purchase Complete Assembly) | |
| 40 | 70002052 | 2 | Screw, Countersunk | |
| 41 | See Note | NSS | O-Ring (Note: Use Item 51 or 52) | |
| 42 | See Note | NSS | Thrustwasher (Note: Use Item 52) | |
| 43 | See Note | NSS | O-Ring (Note: Use Item 51 or 52) | |
| 44 | See Note | NSS | Cover, Hub (Note: Use Item 52) | |
| 45 | 70002057 | 3 | Plug | |
| 46 | See Note | NSS | Snap Ring (Note: Use Item 52) | |
| 47 | See Note | NSS | Pin, Engagement (Note: Use Item 52) | |

# SECTION 1 - FRAME

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 48 | See Note | NSS | Gasket (Note: Use Item 51 or 52) | |
| 49 | See Note | NSS | Cover, Engagement (Note: Use Item 52) | |
| 50 | See Note | NSS | Screw (Note: Use Item 52) | |
| 51 | 70002248 | 1 | Seal Kit (Includes Items 3, 8-11, 25, 38, 41, 43 & 48) | |
| 52 | 70002247 | 1 | Cover Kit (Includes Items 41-50) | |
| 53 | 70002249 | 1 | Brake Kit (Includes Items 4-13) | |
| 101 | 0761214 | 2 | Bolt M12 x 30 | |
| 102 | 2110404 | 1 | Fitting, Adapter | |
| 103 | 2110808 | 1 | Fitting, Adapter | |
| 104 | 2110812 | 1 | Fitting, Adapter | |
| 105 | 2130406 | 1 | Fitting, 90 Adapter | |
| 106 | 2130812 | 1 | Fitting, 90 Adapter | |
| 108 | 5241200 | 2 | Washer M12 | |
| 109 | 0100011 | AR | Compound, Locking | |
| 110 | 3790158 | 1 | O-Ring | |

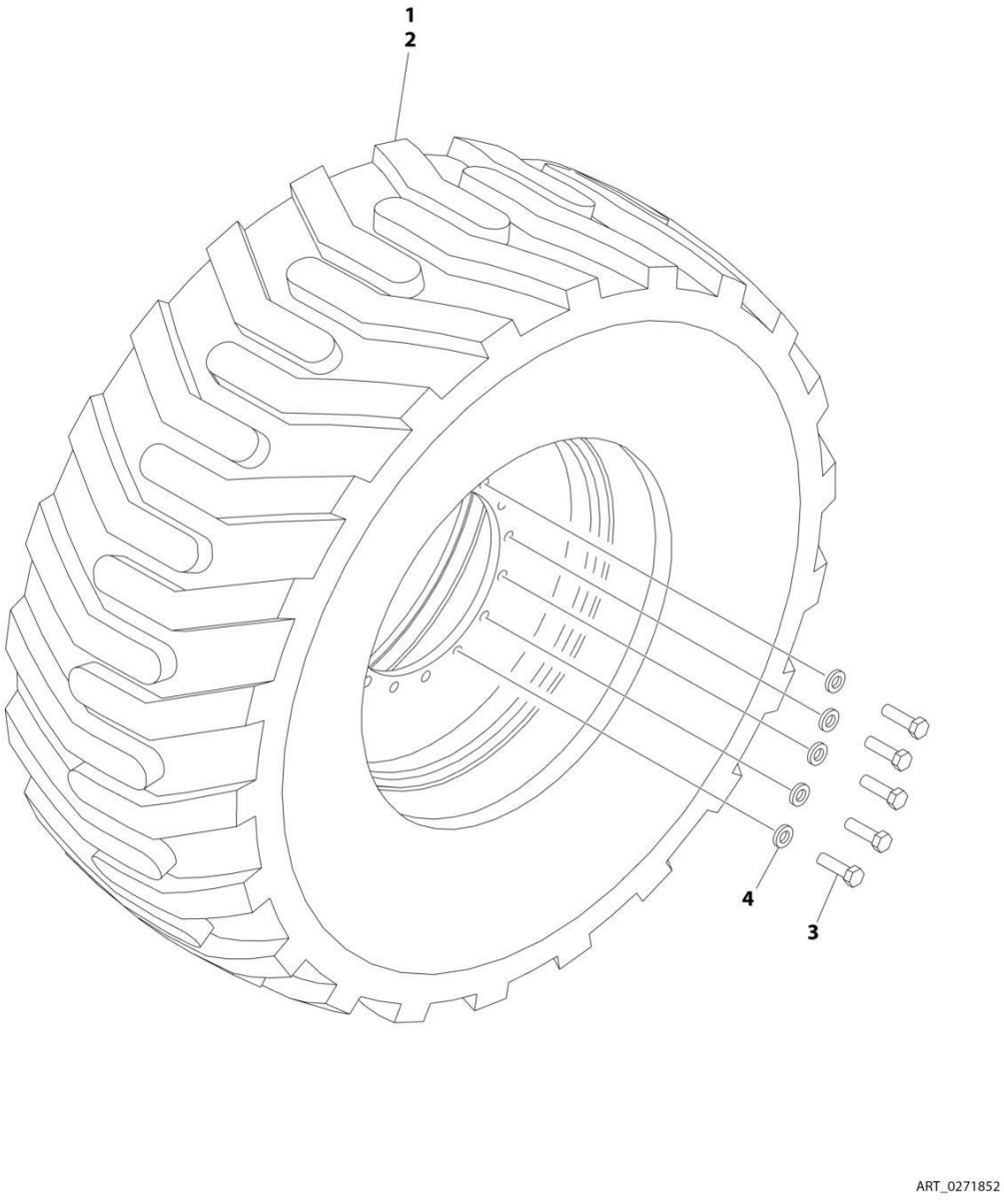
## FIGURE 1-8. DRIVE MOTOR ASSEMBLY



## FIGURE 1-8. DRIVE MOTOR ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 3160339 | Ref | DRIVE MOTOR ASSEMBLY | D |
| 1 | 7022368 | 4 | Bolt | |
| 2 | 70000859 | 1 | End Cap, Motor | |
| 3 | 70003628 | 2 | Locating Pin | |
| 4 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 5 | 7007420 | 1 | Plug (Includes Item 4) | |
| 6 | 7007446 | 1 | Pin, Dowel | |
| 7 | 7021249 | 1 | Bearing, Needle | |
| 8 | 70000854 | 1 | Plate, Valve | |
| 9 | 7022311 | 1 | Snap Ring | |
| 10 | 7022314 | 1 | Retainer, Spring | |
| 11 | 7024867 | 1 | Spring | |
| 12 | 7024868 | 1 | Washer | |
| 13 | 70000855 | 1 | Block, Cylinder | |
| 14 | 7021275 | 3 | Pin, Slipper | |
| 15 | 70000856 | 1 | Guide | |
| 16 | 70000857 | 1 | Retainer, Slipper | |
| 17 | 7024865 | 9 | Piston, Cylinder | |
| 18 | See Note | NSS | Ring, Piston (Note: Use Item 51) | |
| 19 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 20 | 70000860 | 1 | Piston, Servo (Includes Items 18 & 19) | |
| 21 | 70000861 | 1 | Spring | |
| 22 | See Note | NSS | Pin (Note: Not Available for Purchase) | |
| 23 | 70000853 | 1 | Swash Plate | |
| 24 | 70000852 | 1 | Bearing Kit | |
| 25 | See Note | NSS | Gasket (Note: Use Item 51) | |
| 26 | See Note | NSS | Plug (Note: Not Available for Purchase) | |
| 27 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 28 | 7022321 | 1 | Plug (Includes Item 29) | |
| 29 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 30 | See Note | NSS | Housing (Note: Not Available - Purchase Complete Motor) | |
| 31 | 70000858 | 1 | Shaft | |
| 32 | 7007437 | 1 | Bearing | |
| 33 | 7007439 | 1 | Snap Ring | |
| 34 | 7007438 | 2 | Snap Ring | |
| 35 | See Note | NSS | Seal (Note: Use Item 51) | |
| 36 | 7022371 | 1 | Washer, Seal Support | |
| 51 | 70000862 | 1 | Kit 1 - Motor Seal Kit (Includes Items 4, 18, 19, 25, 27, 29 & 35) | |
| 52 | 7027740 | 1 | Kit 2 - Cylinder Block Kit (Includes Items 9-17) | |

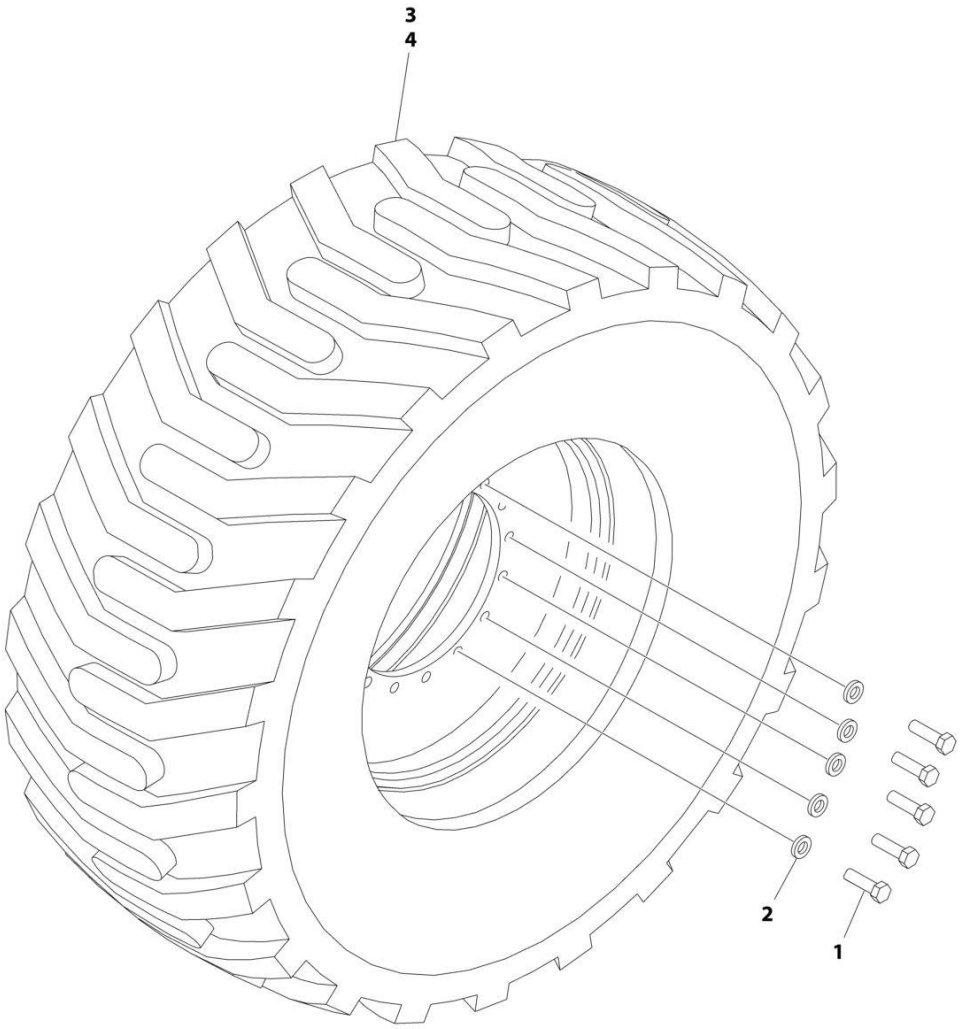
**FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED**



## FIGURE 1-9. TIRE AND WHEEL INSTALLATION - FOAM FILLED

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0271852 | Ref | TIRE AND WHEEL INSTALLATION - FOAM - FILLED | B |
| | | Ref | Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly. | |
| 1 | 0272055 | 2 | Right Side Tire and Wheel Assembly - Foam - Filled | |
| 2 | 0272056 | 2 | Left Side Tire and Wheel Assembly - Foam - Filled | |
| 3 | 0701619 | 64 | Bolt M16 x 55 (16 Per Wheel) | |
| 4 | 4892000 | 64 | Washer 5/8 (16 Per Wheel) | |

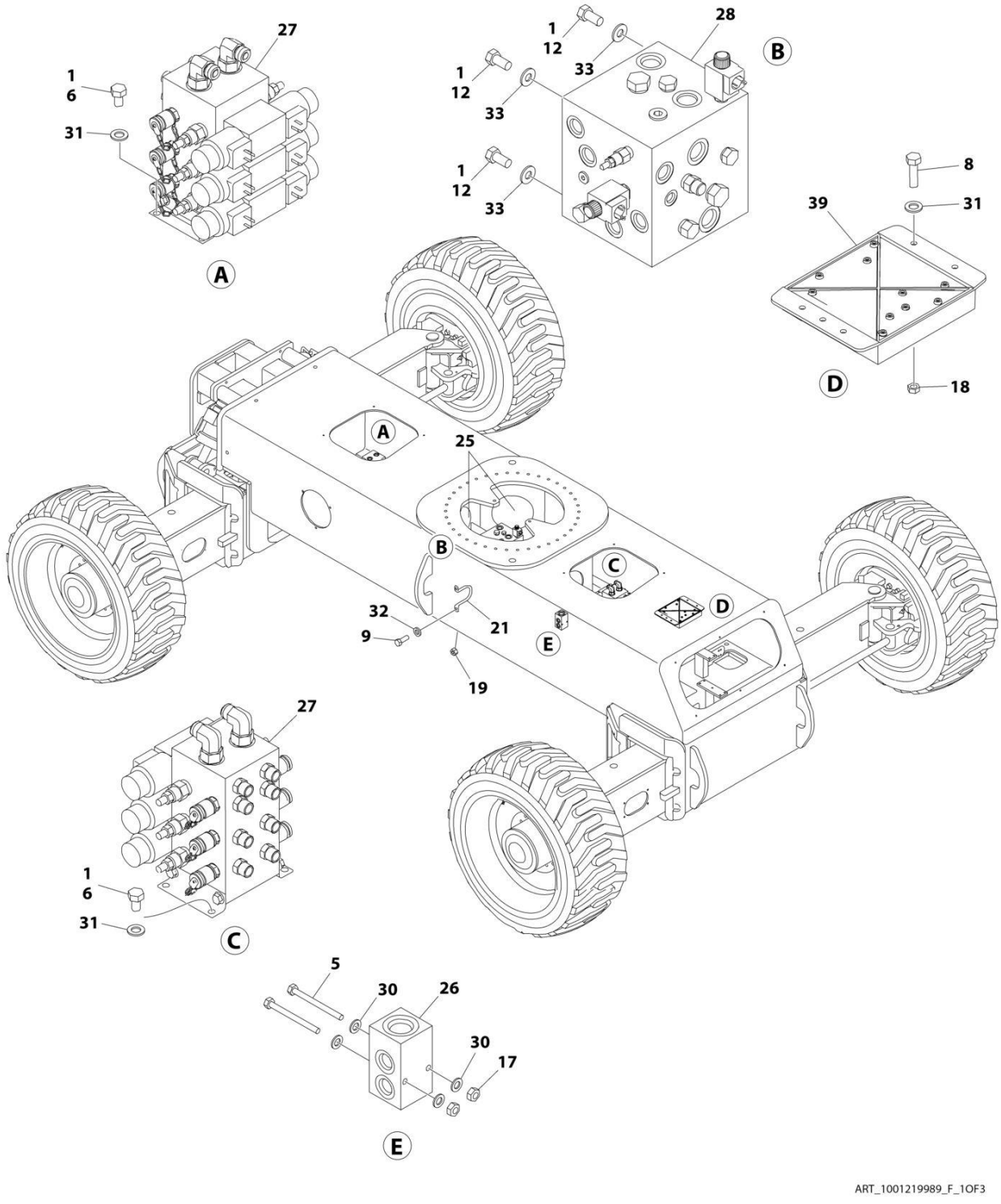
## FIGURE 1-10. TIRE AND WHEEL INSTALLATION - SOLID



## FIGURE 1-10. TIRE AND WHEEL INSTALLATION - SOLID

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001115961 | Ref | TIRE AND WHEEL INSTALLATION - SOLID | A |
| 1 | 0701619 | 64 | Bolt M16 x 55 (16 Per Wheel) | |
| 2 | 4892000 | 64 | Washer 5/8 (16 Per Wheel) | |
| 3 | 1001112716 | 2 | Right Side Tire and Wheel Assembly - Solid | |
| 4 | 1001112669 | 2 | Left Side Tire and Wheel Assembly - Solid | |

**FIGURE 1-11. FRAME VALVES INSTALLATION (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)**

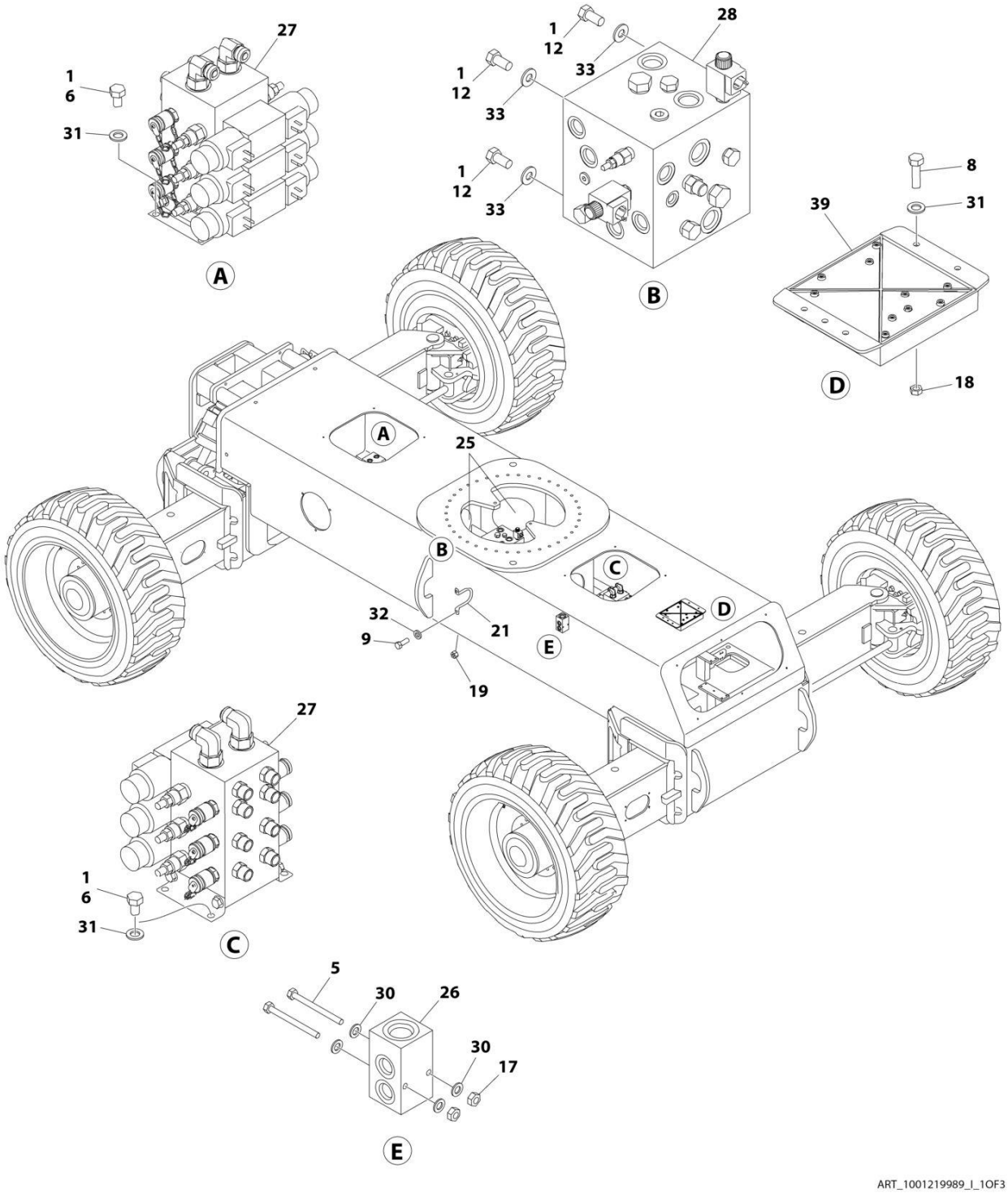



ART_1001219989_F_1OF3

## FIGURE 1-11. FRAME VALVES INSTALLATION (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | FRAME VALVES INSTALLATION - WITH 1 CELL LSS | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 5 | 0641424 | 2 | Bolt 1/4 x 3 | |
| 6 | 0641504 | 8 | Bolt 5/16 x 1/2 | |
| 8 | 0641509 | 4 | Bolt 5/16 x 1-1/8 | |
| 9 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 12 | 0641808 | 4 | Bolt 1/2 x 1 | |
| 17 | 3311405 | 2 | Nut 1/4 | |
| 18 | 3311505 | 4 | Nut 5/16 | |
| 19 | 3311605 | 4 | Nut 3/8 | |
| 21 | 3841340 | 2 | Loop, Hose | |
| 25 | 4060808 | 124 in/ 3.2m | Flex-Trim | |
| 26 | 4641155 | 1 | Manifold, Junction | |
| 27 | 4641268 | 2 | Valve Assembly - Steer (See Separate Breakdown in this Section) | |
| 28 | 4641454 | 1 | Traction Valve Assembly (See Separate Breakdown in this Section) | |
| 30 | 4711400 | 4 | Washer 1/4 | |
| 31 | 4711500 | 12 | Washer 5/16 | |
| 32 | 4711600 | 4 | Washer 3/8 | |
| 33 | 4711800 | 4 | Washer 1/2 | |
| 39 | 1001277210 | 1 | Module (Chassis) (Note: Re-calibration required when Replaced) | |
| 39 | 2915024 | 1 | Update Kit (Includes Cables, Programming Instructions and CD Software) | |

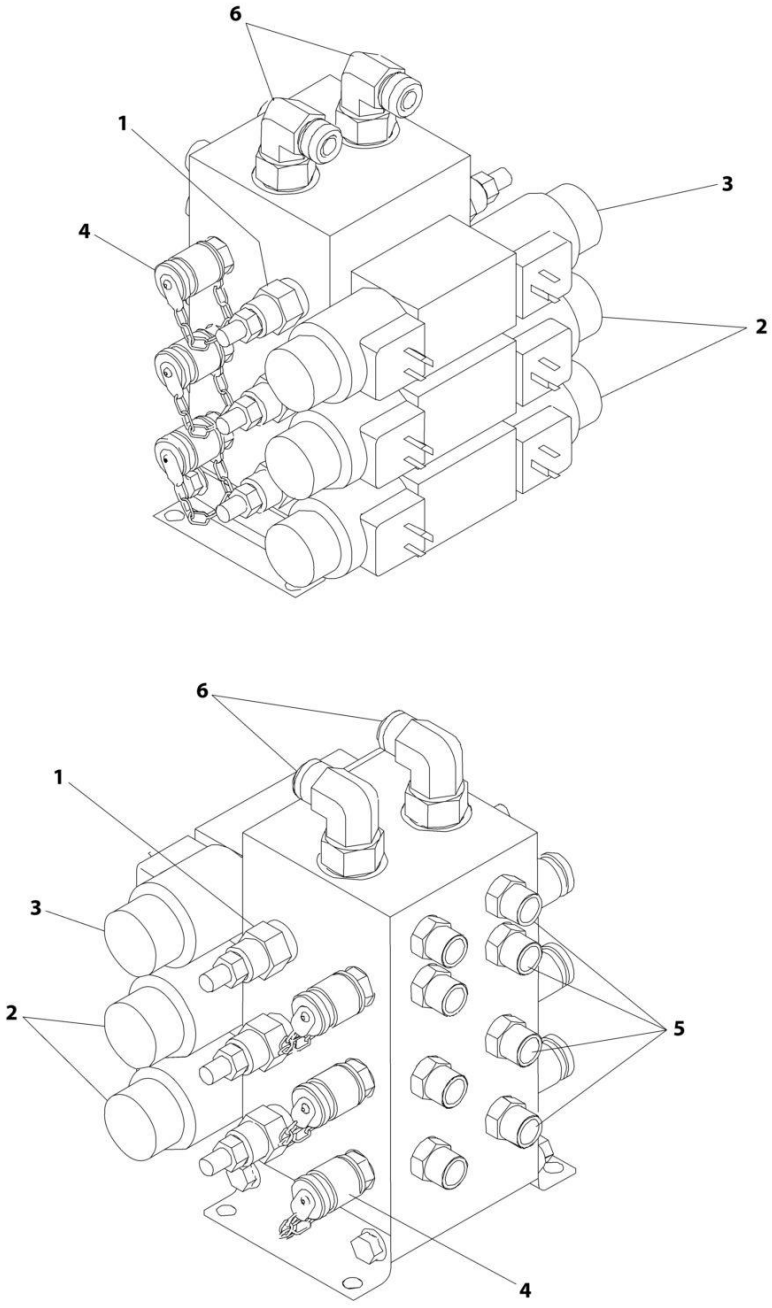
**FIGURE 1-12. FRAME VALVES INSTALLATION (SN 0300298203 to Present, SN 0300287801 through 0300287807)**



## FIGURE 1-12. FRAME VALVES INSTALLATION (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | FRAME VALVES INSTALLATION - WITH 1 CELL LSS | I |
| 1 | 0100011 | AR | Compound, Locking | |
| 5 | 0641424 | 2 | Bolt 1/4 x 3 | |
| 6 | 0641504 | 8 | Bolt 5/16 x 1/2 | |
| 8 | 0641509 | 4 | Bolt 5/16 x 1-1/8 | |
| 9 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 12 | 0641808 | 4 | Bolt 1/2 x 1 | |
| 17 | 3311405 | 2 | Nut 1/4 | |
| 18 | 3311505 | 4 | Nut 5/16 | |
| 19 | 3311605 | 4 | Nut 3/8 | |
| 21 | 3841340 | 2 | Loop, Hose | |
| 25 | 4060808 | 124 in/ 3.2m | Flex-Trim | |
| 26 | 4641155 | 1 | Manifold, Junction | |
| 27 | 4641268 | 2 | Valve Assembly - Steer (See Separate Breakdown in this Section) | |
| 28 | 4641454 | 1 | Traction Valve Assembly (See Separate Breakdown in this Section) | |
| 30 | 4711400 | 4 | Washer 1/4 | |
| 31 | 4711500 | 12 | Washer 5/16 | |
| 32 | 4711600 | 4 | Washer 3/8 | |
| 33 | 4711800 | 4 | Washer 1/2 | |
| 39 | 1001112758 | 1 | Module (Chassis) (Note: Re-calibration required when Replaced) | |

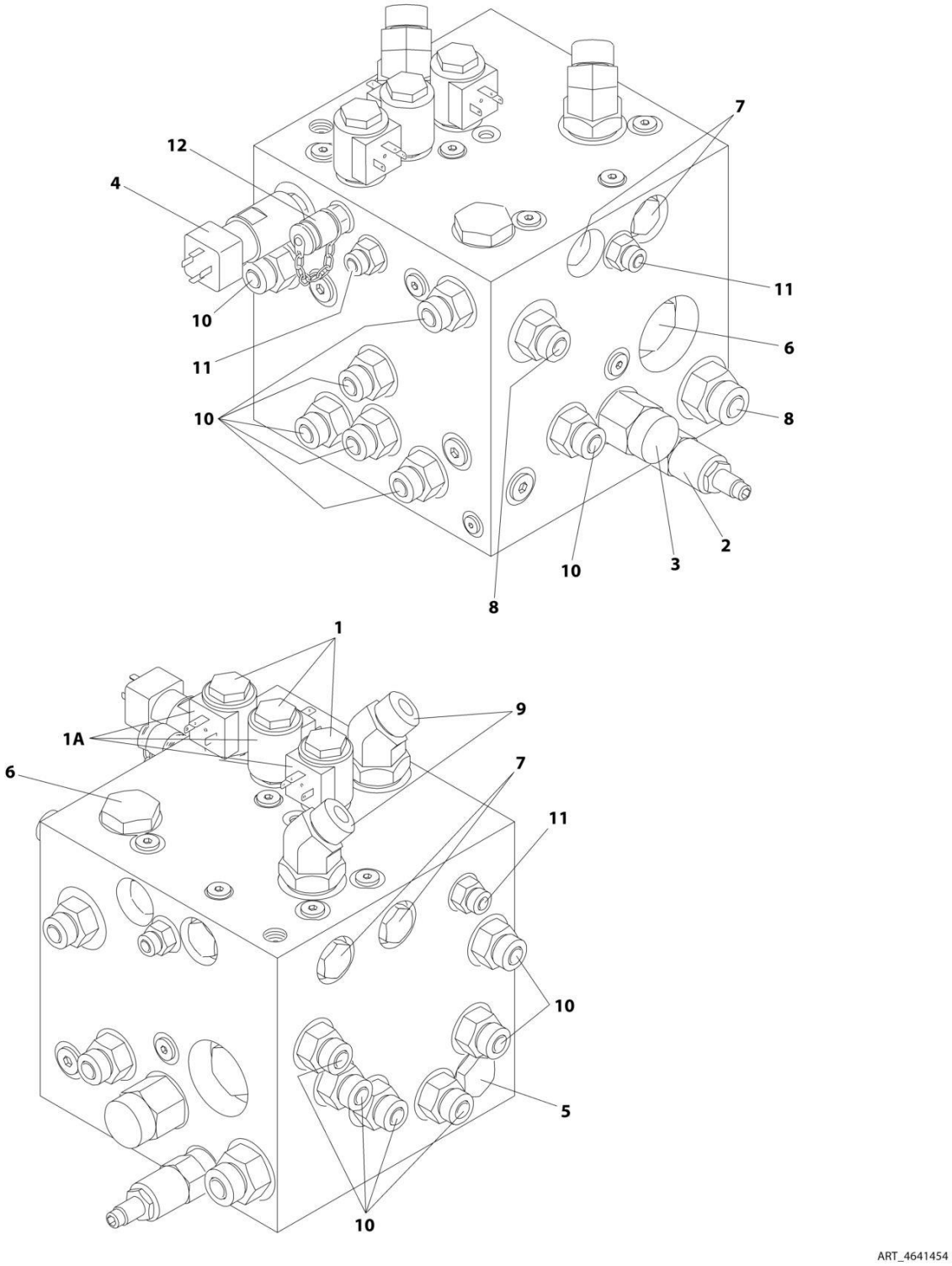
## FIGURE 1-13. STEER VALVE ASSEMBLY



## FIGURE 1-13. STEER VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4641268 | Ref | STEER VALVE ASSEMBLY | C |
| 1 | 7026028 | 12 | Cartridge (6 Per Valve) | |
| 1 | 7011346 | 12 | Seal Kit - Cartridge (1 Per Cartridge) | |
| 2 | 7024927 | 4 | Valve (2 Per Valve) | |
| 2 | 7012773 | 4 | Seal Kit - Cartridge (1 Per Cartridge) | |
| 2 | 7018991 | 8 | Coil (2 Per Valve) | |
| 3 | 70001976 | 2 | Valve (1 Per Valve) | |
| 3 | 7012773 | 2 | Seal Kit - Cartridge (1 Per Cartridge) | |
| 3 | 7018991 | 4 | Coil (2 Per Valve) | |
| 3 | 70001939 | 2 | Orifice | |
| 4 | 2221086 | 6 | Check, Pressure | |
| 5 | 2110606 | 8 | Fitting, Straight | |
| 6 | 2130810 | 2 | Fitting, 90 | |

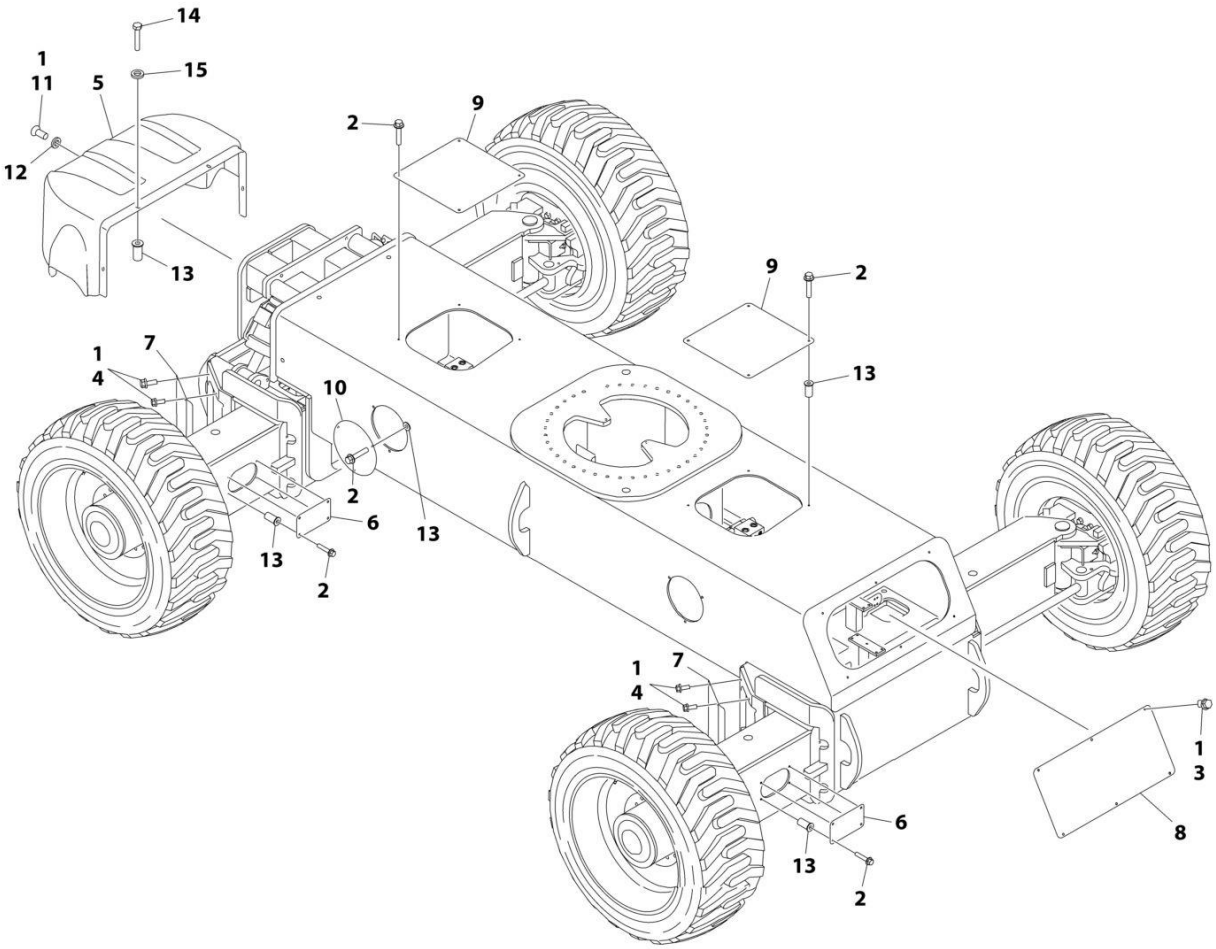
## FIGURE 1-14. TRACTION VALVE ASSEMBLY



## FIGURE 1-14. TRACTION VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4641454 | Ref | TRACTION VALVE ASSEMBLY | E |
| 1 | 7012941 | 3 | Cartridge, Valve (Steer, Brake and Axle Lockout) | |
| 1 | 7010543 | 3 | Seal Kit - 7012941 Cartridge | |
| 1A | 7012944 | 2 | Coil | |
| 2 | 70000801 | 1 | Cartridge, Valve (Relief) | |
| 2 | 7012998 | 1 | Seal Kit - 70000801 Cartridge | |
| 3 | 70000802 | 1 | Cartridge, Valve (Pilot) | |
| 3 | 7012942 | 1 | Seal Kit - 70000802 Cartridge | |
| 4 | 70000803 | 1 | Pressure Switch | |
| 5 | 70000804 | 1 | Cartridge, Valve (Shuttle) | |
| 5 | 70000805 | 1 | Seal Kit - 70000804 Cartridge | |
| 6 | 70000806 | 2 | Cartridge, Valve (Flow Divider) | |
| 6 | 7017405 | 2 | Seal Kit - 70000806 Cartridge | |
| 7 | 7012955 | 4 | Cartridge, Valve (Check) | |
| 7 | 7012967 | 4 | Seal Kit - 7012955 Cartridge | |
| 8 | 2111012 | 2 | Fitting, Straight | |
| 9 | 2151012 | 2 | Fitting, 45 | |
| 10 | 2110810 | 13 | Fitting, Straight | |
| 11 | 2110406 | 3 | Fitting, Straight | |
| 12 | 2221086 | 1 | Check, Pressure | |
| 13 | 2220883 | 1 | Plug, #4 (Not Shown) | |

## FIGURE 1-15. FRAME COVERS INSTALLATION

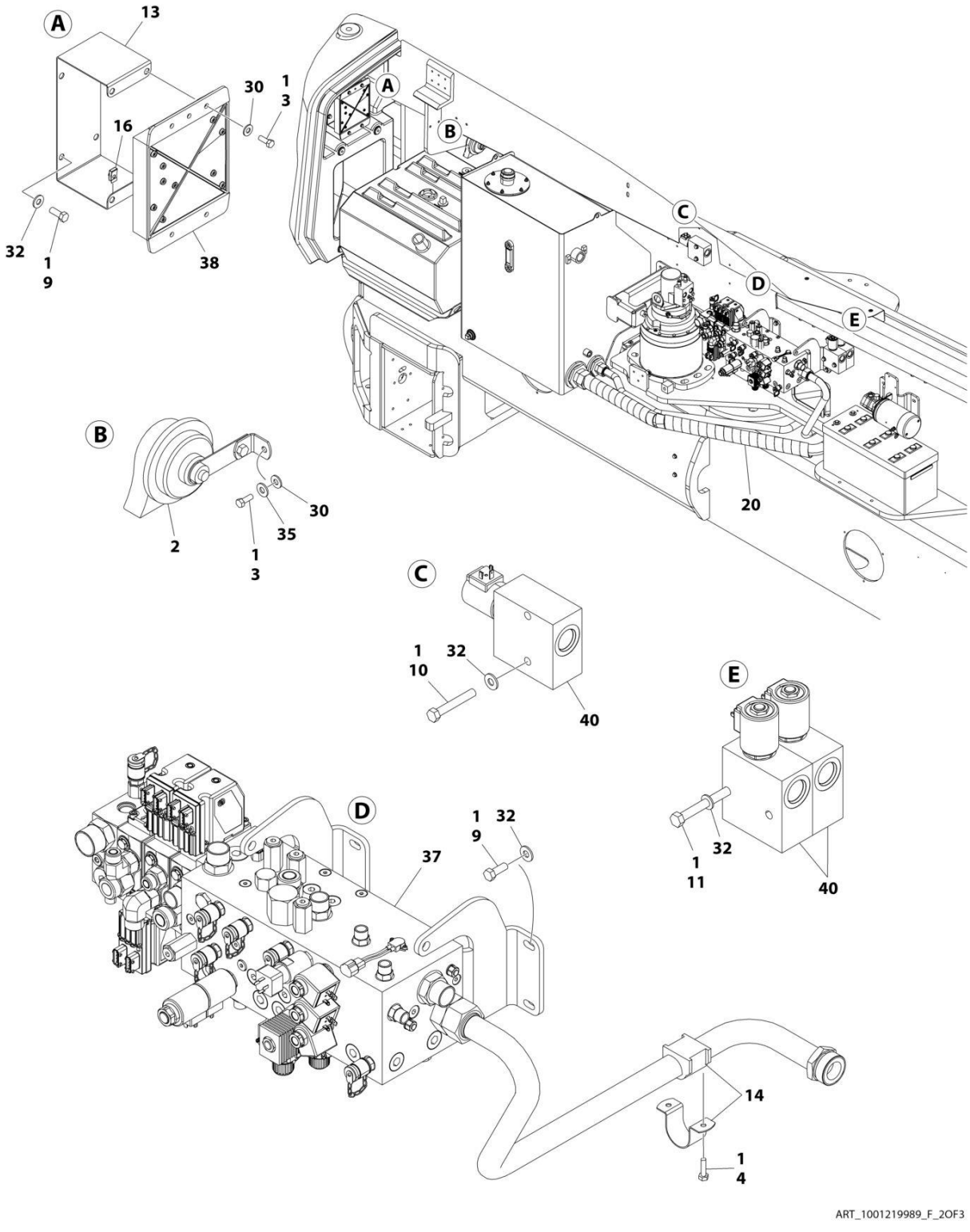


## FIGURE 1-15. FRAME COVERS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001176346 | Ref | FRAME COVERS INSTALLATION - ABS | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0791410 | 36 | Screw 1/4 x 1-1/4 | |
| 3 | 0791604 | 6 | Screw 3/8 x 1/2 | |
| 4 | 0791607 | 16 | Screw 3/8 x 7/8 | |
| 5 | 1670996 | 1 | Cover, Front | |
| 6 | 1671045 | 4 | Plate, Cover (Axle Side) | |
| 7 | 1671046 | 4 | Plate, Cover (Axle Corner) | |
| 8 | 1671047 | 1 | Plate, Cover (Rear) | |
| 9 | 1671048 | 2 | Plate, Cover (Frame Top) | |
| 10 | 1671049 | 4 | Plate, Cover (Frame Side) | |
| 11 | 3900283 | 3 | Screw 3/8 x 3/4 | |
| 12 | 4751600 | 3 | Washer 3/8 | |
| 13 | 8580420 | 40 | Nut, Well | |
| 14 | 0641412 | 4 | Bolt 1/4 x 1-1/2 | |
| 15 | 4740430 | 4 | Washer, Fender | |

# SECTION 2 - TURNTABLE

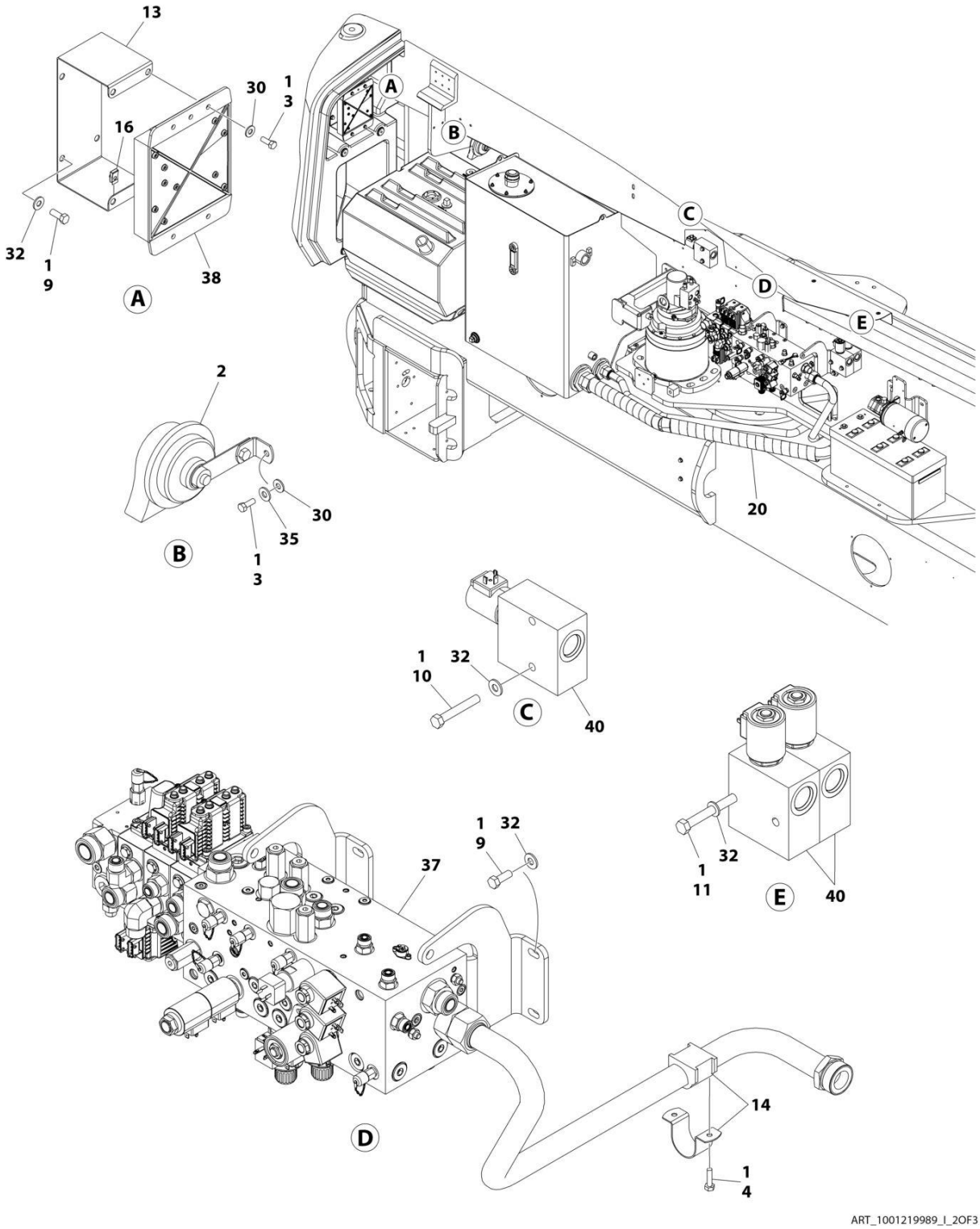
**FIGURE 2-1. TURNTABLE VALVES INSTALLATION (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)**



## FIGURE 2-1. TURNTABLE VALVES INSTALLATION (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | TURNTABLE VALVES INSTALLATION | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0140001 | 1 | Horn | |
| 3 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 4 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 9 | 0641608 | 8 | Bolt 3/8 x 1 | |
| 10 | 0641620 | 2 | Bolt 3/8 x 2-1/2 | |
| 11 | 0641636 | 2 | Bolt 3/8 x 4-1/2 | |
| 13 | 0902800 | 1 | Bracket, Module Mounting | |
| 14 | 1320322 | 1 | Clamp | |
| 16 | 3300454 | 4 | Nut, Special | |
| 20 | 3380523 | 1 | Shield, Tube | |
| 30 | 4711400 | 5 | Washer 1/4 | |
| 32 | 4711600 | 12 | Washer 3/8 | |
| 35 | 4791400 | 1 | Starwasher 1/4 | |
| 37 | 1001246762 | 1 | Main Valve Assembly (See Separate Breakdown in this Section) | |
| 38 | 1001227960 | 1 | Module, B.L.A.M (Note: Control System must be Re-calibrated when Module is Replaced) | |
| 40 | 1001112850 | 3 | Enable Valve Assembly | |
| 40 | 7024890 | 3 | Coil | |

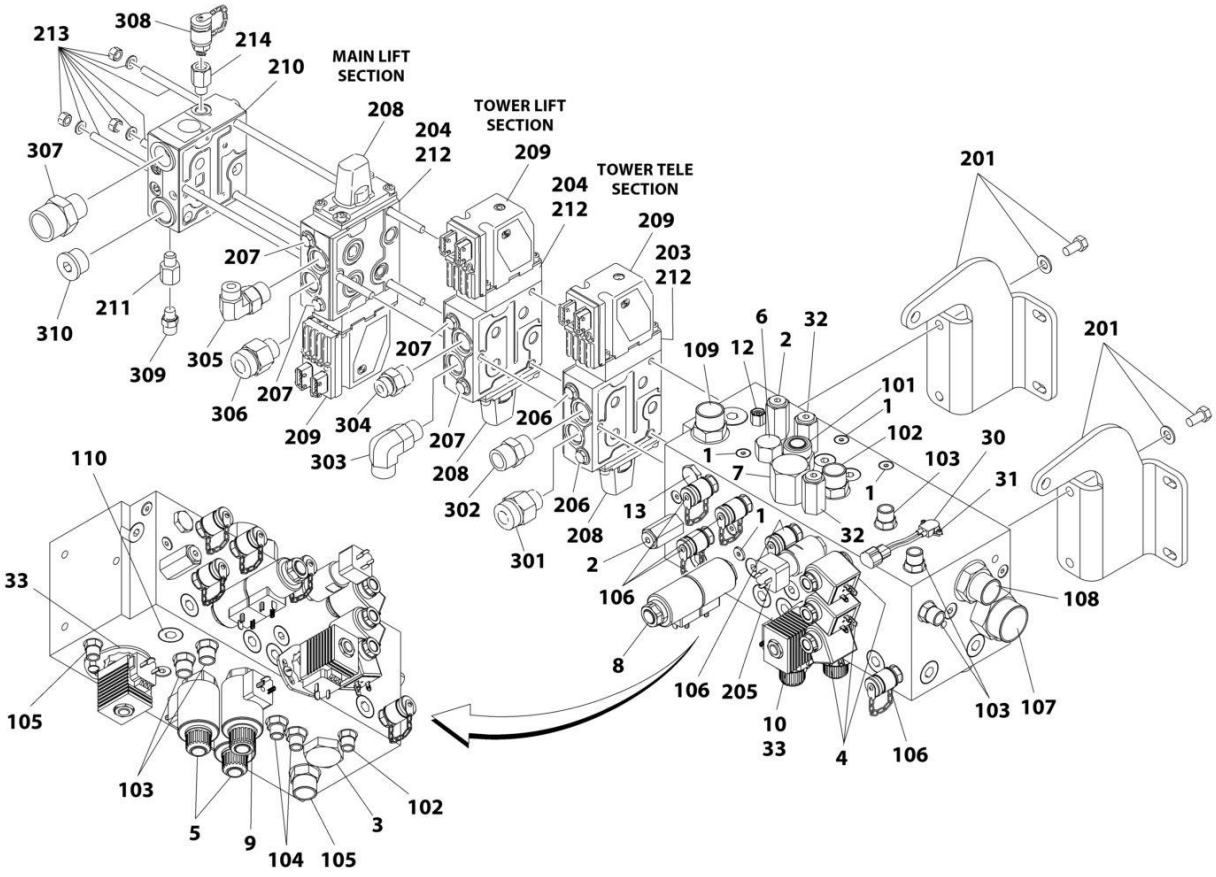
## FIGURE 2-2. TURNTABLE VALVES INSTALLATION (SN 0300298203 to Present, SN 0300287801 through 0300287807)



## FIGURE 2-2. TURNTABLE VALVES INSTALLATION (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | TURNTABLE VALVES INSTALLATION | I |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0140001 | 1 | Horn | |
| 3 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 4 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 9 | 0641608 | 8 | Bolt 3/8 x 1 | |
| 10 | 0641620 | 2 | Bolt 3/8 x 2-1/2 | |
| 11 | 0641636 | 2 | Bolt 3/8 x 4-1/2 | |
| 13 | 0902800 | 1 | Bracket, Module Mounting | |
| 14 | 1320322 | 1 | Clamp | |
| 16 | 3300454 | 4 | Nut, Special | |
| 20 | 3380523 | 1 | Shield, Tube | |
| 30 | 4711400 | 5 | Washer 1/4 | |
| 32 | 4711600 | 12 | Washer 3/8 | |
| 35 | 4791400 | 1 | Starwasher 1/4 | |
| 37 | 1001289298 | 1 | Main Valve Assembly (See Separate Breakdown in this Section) | |
| 38 | 1001227960 | 1 | Module, B.L.A.M (Note: Control System must be Re-calibrated when Module is Replaced) | |
| 40 | 1001112850 | 3 | Enable Valve Assembly | |
| 40 | 7024890 | 3 | Coil | |

## FIGURE 2-3. MAIN VALVE ASSEMBLY (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)




ART_1001246762

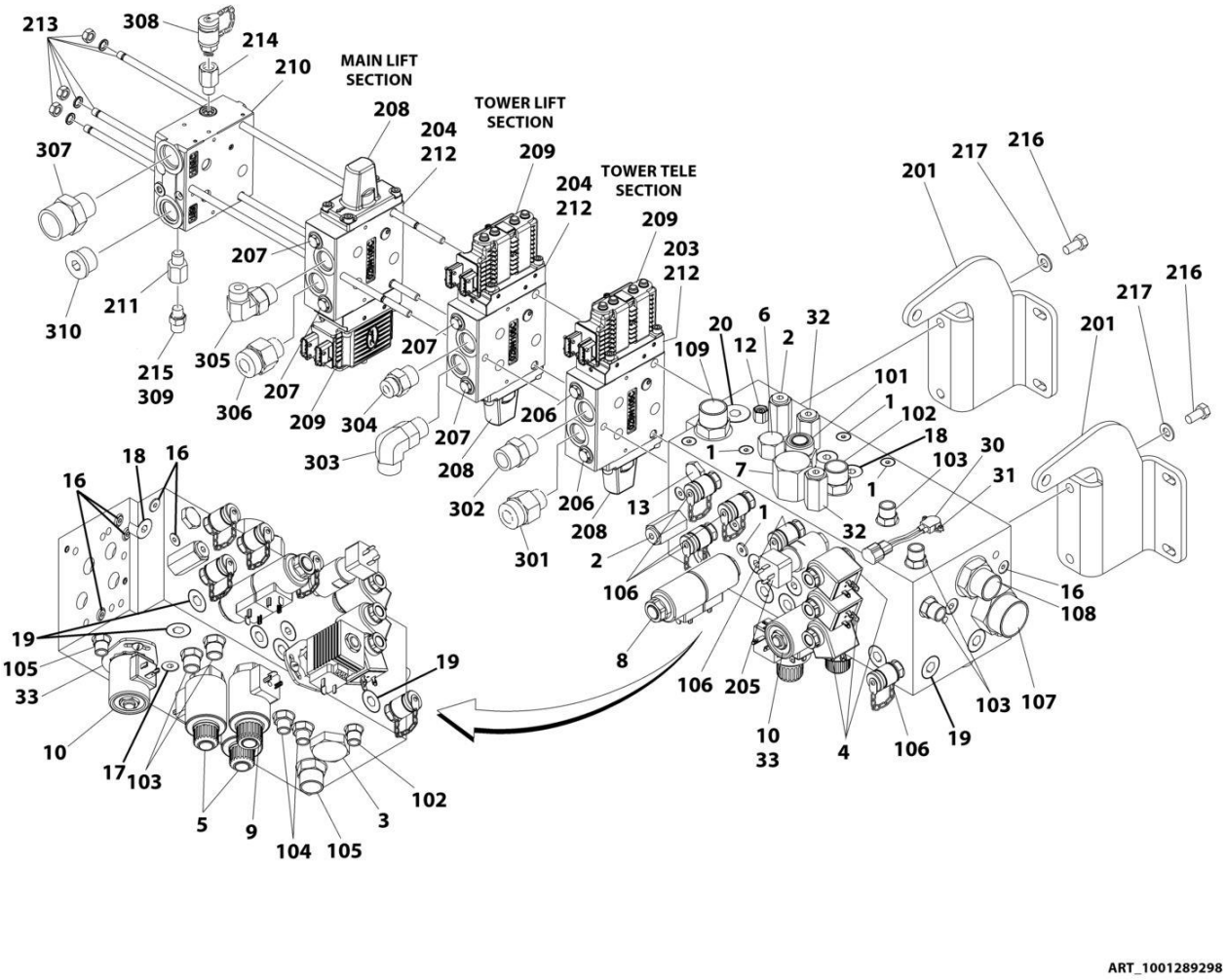
## FIGURE 2-3. MAIN VALVE ASSEMBLY (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001246762 | Ref | MAIN VALVE ASSEMBLY | C |
| | | Ref | MAIN VALVE BODY COMPONENTS | |
| 1 | 7026684 | 4 | Cartridge, Check Valve | |
| 1 | 7026685 | 4 | Seal Kit - Valve | |
| 2 | 7026686 | 2 | Cartridge, Relief Valve | |
| 2 | 7026687 | 2 | Seal Kit - Valve | |
| 3 | 7026688 | 1 | Cartridge, Check Valve | |
| 3 | 7026689 | 1 | Seal Kit - Valve | |
| 4 | 70007229 | 3 | Cartridge, Solenoid Valve Less Coil | |
| 4 | 70007230 | 3 | Seal Kit - Valve | |
| 4 | 70007231 | 3 | Coil | |
| 5 | 7026692 | 2 | Cartridge, Solenoid Valve Less Coil | |
| 5 | 7026693 | 2 | Seal Kit - Valve | |
| 5 | 7027207 | 2 | Coil | |
| 6 | 7026694 | 1 | Cartridge, Differential Sensing Valve | |
| 6 | 7026695 | 1 | Seal Kit - Valve | |
| 7 | 7026696 | 1 | Cartridge, Differential Sensing Valve | |
| 7 | 7026697 | 1 | Seal Kit - Valve | |
| 8 | 70007226 | 1 | Cartridge, Solenoid Valve Less Coil | |
| 8 | 70007227 | 1 | Seal Kit - Valve | |
| 8 | 70007228 | 2 | Coil | |
| 9 | 7027882 | 1 | Valve Assembly, Solenoid | |
| 9 | 7026693 | 1 | Seal Kit - Valve | |
| 9 | 7027208 | 1 | Coil | |
| 10 | 7027200 | 2 | Cartridge, Solenoid Valve | |
| 10 | 7010697 | 2 | Seal Kit - Valve | |
| 10 | 7012943 | 2 | Coil | |
| 12 | 7027201 | 1 | Cartridge, Check Valve | |
| 12 | 7027202 | 1 | Seal Kit - Valve | |
| 13 | 7027203 | 1 | Cartridge, Check Valve | |
| 13 | 7026687 | 1 | Seal Kit - Valve | |
| 30 | 7027738 | 1 | Switch, Thermostatic | |
| 31 | 70006315 | 2 | Screw #6 x 1/2 | |
| 32 | 7027204 | 2 | Cartridge, Relief Valve | |
| 32 | 7026687 | 2 | Seal Kit - Valve | |
| 33 | 70000781 | 2 | Lock Plate, Cartridge | |
| 33 | 3941404 | 2 | Screw, Self-Tapping | |
| | | Ref | MAIN VALVE BODY FITTINGS | |
| 101 | 2111210 | 1 | Fitting, Straight | |
| 102 | 2111010 | 2 | Fitting, Straight | |
| 103 | 2110606 | 5 | Fitting, Straight | |
| 104 | 2110406 | 2 | Fitting, Straight | |
| 105 | 2110404 | 2 | Fitting, Straight | |
| 106 | 2221086 | 5 | Check, Pressure | |
| 107 | 2112016 | 1 | Fitting, Straight | |
| 108 | 2111216 | 1 | Fitting, Straight | |
| 109 | 2111212 | 1 | Fitting, Straight | |
| 110 | 2220887 | 1 | Plug | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | | Ref | PROPORTIONAL VALVE SECTION AND ADDITIONAL COMPONENTS | |
| 201 | 7026671 | 2 | Bracket | |
| 203 | See Note | NSS | Spool Assembly (Tower Telescope) (Note: Use Item 212) | |
| 204 | See Note | NSS | Spool Assembly (Tower/Main Lift) (Note: Use Item 212) | |
| 205 | 7026672 | 1 | Switch, Pressure | |
| 206 | See Note | NSS | Valve, Shock | |
| 207 | See Note | NSS | Valve, Shock | |
| 208 | See Note | NSS | Cover | |
| 208 | 8007894 | AR | Seal Kit, Cover Mounting (1 per cover) | |
| 209 | 70001873 | 3 | Actuator, Electrical | |
| 209 | 8007954 | AR | Seal Kit, Actuator Mounting (1 per actuator) | |
| 210 | 70001421 | 1 | Module, Pump Side | |
| 210 | 8007939 | 1 | Seal Kit, Pump Side Module (Internal Seals for Pump Side Module) | |
| 211 | 7026678 | 1 | Plug with Check Valve | |
| 212 | 70002742 | 1 | Module, Tower Lift (Includes Items 204, 207, 208, 210 Seal Kit and p/n 8007935 Seal Kit) | |
| 212 | 70002743 | 1 | Module, Tower Telescope (Includes Items 203, 206, 208, 210 Seal Kit and p/n 8007935 Seal Kit) | |
| 212 | 70003043 | 1 | Module, Main Lift (Includes Items 204, 207, 208, 210 Seal Kit and p/n 8007935 Seal Kit) | |
| 212 | 8007935 | AR | Seal Kit, Module Mounting (Includes seals for one side of Module - requires four for complete valve) | |
| 213 | 7026680 | 1 | Tie-Rod Kit (Includes Hardware and Seals) | |
| 214 | See Note | 1 | Fitting, Adapter (Note: Not Available for Purchase) | |
| | | Ref | PROPORTIONAL VALVE SECTION FITTINGS | |
| 301 | 2111210 | 1 | Fitting, Straight | |
| 302 | 2111010 | 1 | Fitting, Straight | |
| 303 | 2131010 | 1 | Fitting, 90 | |
| 304 | 2110810 | 1 | Fitting, Straight | |
| 305 | 2130810 | 1 | Fitting, 90 | |
| 306 | 2111210 | 1 | Fitting, Straight | |
| 307 | 7026683 | 2 | Fitting, Straight | |
| 308 | 2221086 | 1 | Check, Pressure | |
| 309 | 2110404 | 1 | Fitting, Straight | |
| 310 | 2220888 | 1 | Plug | |

## FIGURE 2-4. MAIN VALVE ASSEMBLY (SN 0300298203 to Present, SN 0300287801 through 0300287807)



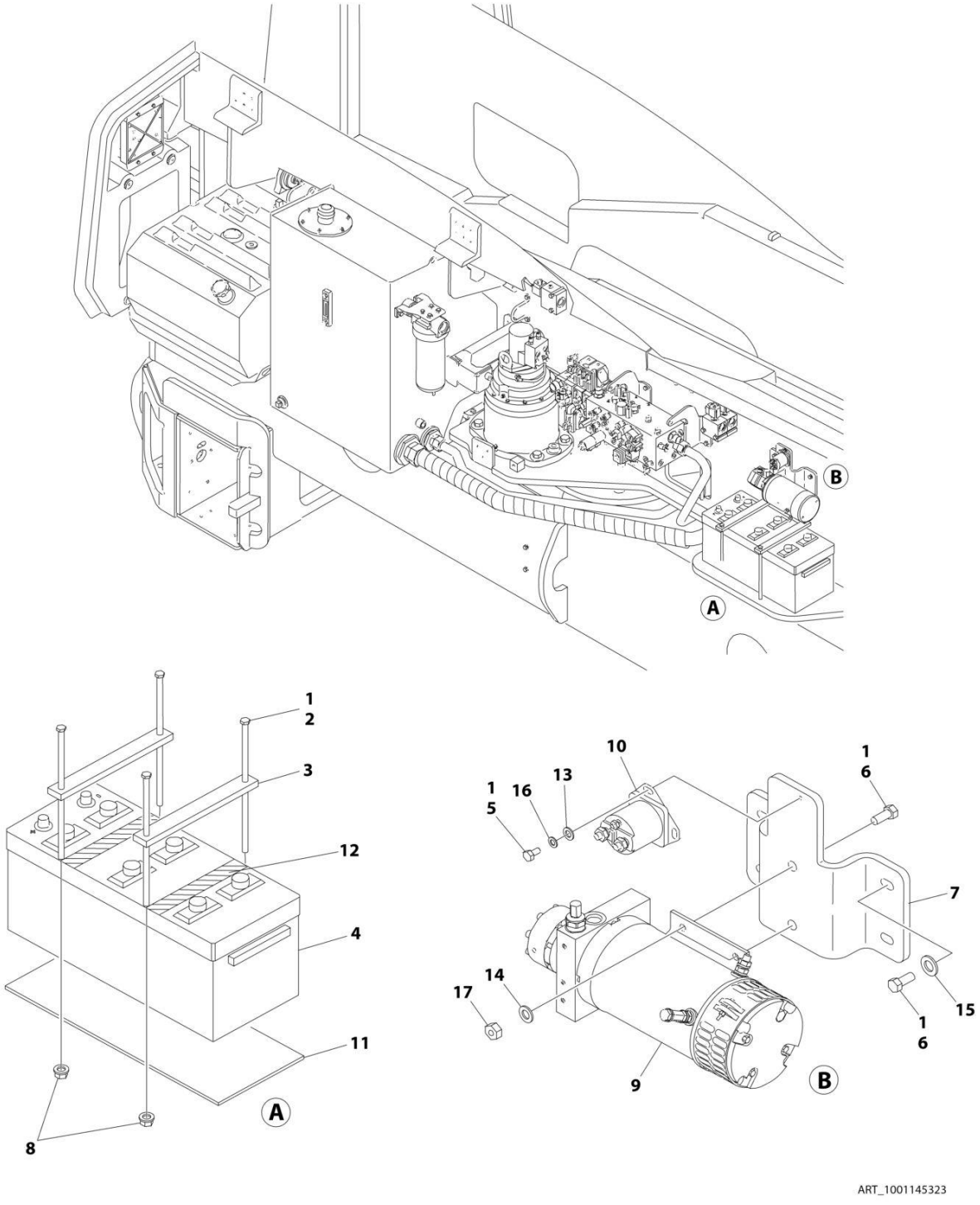
## FIGURE 2-4. MAIN VALVE ASSEMBLY (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001289298 | Ref | MAIN VALVE ASSEMBLY | A |
| | | Ref | MAIN VALVE BODY COMPONENTS | |
| 1 | 7026684 | 4 | Cartridge, Check Valve | |
| 1 | 7026685 | 4 | Seal Kit - Valve | |
| 2 | 7026686 | 2 | Cartridge, Relief Valve | |
| 2 | 7026687 | 2 | Seal Kit - Valve | |
| 3 | 7026688 | 1 | Cartridge, Check Valve | |
| 3 | 7026689 | 1 | Seal Kit - Valve | |
| 4 | 70007229 | 3 | Cartridge, Solenoid Valve Less Coil | |
| 4 | 70007230 | 3 | Seal Kit - Valve | |
| 4 | 70007231 | 3 | Coil | |
| 5 | 70007939 | 2 | Cartridge, Solenoid Valve Less Coil | |
| 5 | 7026693 | 2 | Seal Kit - Valve | |
| 5 | 70007940 | 2 | Coil | |
| 6 | 7026694 | 1 | Cartridge, Differential Sensing Valve | |
| 6 | 7026695 | 1 | Seal Kit - Valve | |
| 7 | 7026696 | 1 | Cartridge, Differential Sensing Valve | |
| 7 | 7026697 | 1 | Seal Kit - Valve | |
| 8 | 70007226 | 1 | Cartridge, Solenoid Valve Less Coil | |
| 8 | 70007227 | 1 | Seal Kit - Valve | |
| 8 | 70007228 | 2 | Coil | |
| 9 | 70007941 | 1 | Valve, Proportional (Note: Coil Not Available Separately) | |
| 10 | 7027200 | 2 | Cartridge, Solenoid Valve | |
| 10 | 7010697 | 2 | Seal Kit - Valve | |
| 10 | 7012943 | 2 | Coil | |
| 12 | 7027201 | 1 | Cartridge, Check Valve | |
| 12 | 7027202 | 1 | Seal Kit - Valve | |
| 13 | 7027203 | 1 | Cartridge, Check Valve | |
| 13 | 7026687 | 1 | Seal Kit - Valve | |
| 16 | 2220883 | 8 | Plug, #4 Tapered | |
| 17 | 2220885 | 3 | Plug, #6 Tapered | |
| 18 | 2220886 | 5 | Plug, #8 Tapered | |
| 19 | 2220887 | 8 | Plug, #10 Tapered | |
| 20 | 2220888 | 1 | Plug, #12 Tapered | |
| 30 | 7027738 | 1 | Switch, Thermostatic | |
| 31 | 70006315 | 1 | Screw #6 x 1/2 | |
| 32 | 7027204 | 2 | Cartridge, Relief Valve | |
| 32 | 7026687 | 2 | Seal Kit - Valve | |
| 33 | 70000781 | 2 | Lock Plate, Cartridge | |
| | | Ref | MAIN VALVE BODY FITTINGS | |
| 101 | 2111210 | 1 | Fitting, Straight | |
| 102 | 2111010 | 2 | Fitting, Straight | |
| 103 | 2110606 | 5 | Fitting, Straight | |
| 104 | 2110406 | 2 | Fitting, Straight | |
| 105 | 2110404 | 2 | Fitting, Straight | |
| 106 | 2221086 | 5 | Check, Pressure | |
| 107 | 2112016 | 1 | Fitting, Straight | |
| 108 | 2111216 | 1 | Fitting, Straight | |
| 109 | 2111212 | 1 | Fitting, Straight | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | | Ref | PROPORTIONAL VALVE SECTION AND ADDITIONAL COMPONENTS | |
| 201 | 7026671 | 2 | Bracket | |
| 203 | 7026681 | 1 | Spool Assembly (Tower Telescope) | |
| 204 | 7026682 | 2 | Spool Assembly (Tower/Main Lift) | |
| 205 | 7026672 | 1 | Switch, Pressure | |
| 206 | 7026673 | 2 | Valve, Shock | |
| 207 | 7026674 | 4 | Valve, Shock | |
| 208 | 7026675 | 3 | Cover | |
| 209 | 70007583 | 3 | Actuator, Electrical | |
| 210 | 70001421 | 1 | Module, Pump Side | |
| 210 | 8007939 | 1 | Seal Kit, Pump Side Module (Internal Seals for Pump Side Module) | |
| 211 | 7026678 | 1 | Plug with Check Valve | |
| 212 | 7026679 | 3 | Module | |
| 213 | 7026680 | 1 | Tie-Rod Kit (Includes Hardware and Seals) | |
| 214 | 70008345 | 1 | Fitting, Adapter | |
| 215 | 70008344 | 1 | Fitting, Straight 4-5 ORFS | |
| 216 | 70008343 | 4 | Bolt 3/8 x 7/8 | |
| 217 | 70008342 | 4 | Washer | |
| | | Ref | PROPORTIONAL VALVE SECTION FITTINGS | |
| 301 | 2111210 | 1 | Fitting, Straight | |
| 302 | 2111010 | 1 | Fitting, Straight | |
| 303 | 2131010 | 1 | Fitting, 90 | |
| 304 | 2110810 | 1 | Fitting, Straight | |
| 305 | 2130810 | 1 | Fitting, 90 | |
| 306 | 2111210 | 1 | Fitting, Straight | |
| 307 | 7026683 | 1 | Fitting, Straight | |
| 308 | 2221086 | 1 | Check, Pressure | |
| 309 | 2110404 | 1 | Fitting, Straight 4-4 ORFS/ORB | |
| 310 | 2220888 | 1 | Plug, #12 Tapered | |

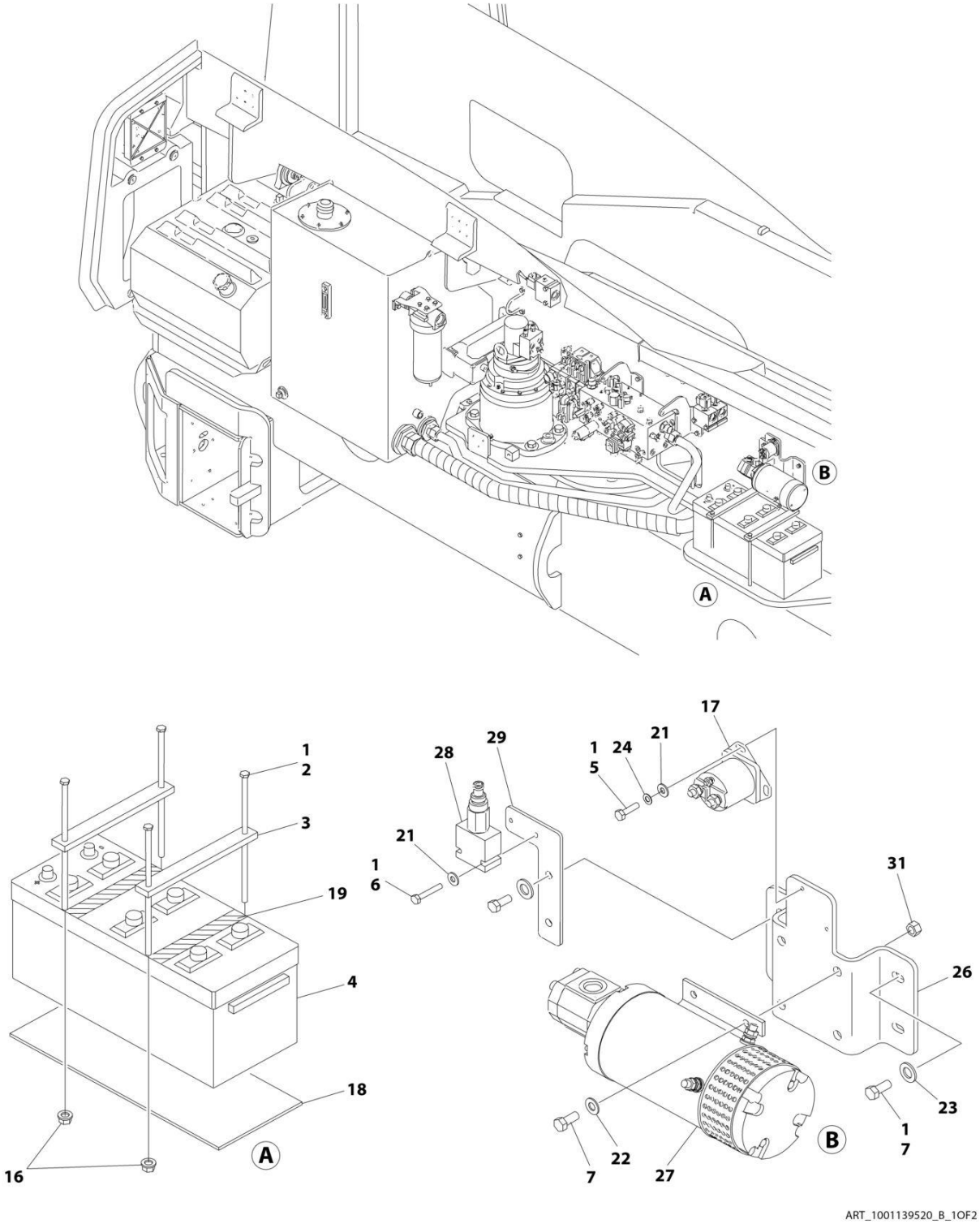
## FIGURE 2-5. BATTERY AND AUXILIARY PUMP INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE



## FIGURE 2-5. BATTERY AND AUXILIARY PUMP INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001145323 | Ref | BATTERY AND AUXILIARY PUMP INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0236768 | 4 | Rod, Hold-down | |
| 3 | 0363062 | 2 | Bar, Battery | |
| 4 | 0400020 | 1 | Battery | |
| 5 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 6 | 0641607 | 8 | Bolt 3/8 x 7/8 | |
| 7 | 0903696 | 1 | Bracket | |
| 8 | 3311608 | 4 | Nut 3/8 | |
| 9 | 1001162880 | 1 | Auxiliary Pump Assembly (See Separate Breakdown in this Section) | |
| 10 | 3740067 | 1 | Relay | |
| 11 | 3980006 | 1 | Seat, Battery | |
| 12 | 4420037 | 17 in /43cm | Tape, Insulation | |
| 13 | 4711400 | 2 | Washer 1/4 | |
| 14 | 4711600 | 4 | Washer 3/8 | |
| 15 | 4751600 | 4 | Washer 3/8 | |
| 16 | 4791400 | 2 | Starwasher 1/4 | |
| 17 | 3311605 | 4 | Nut 3/8 | |

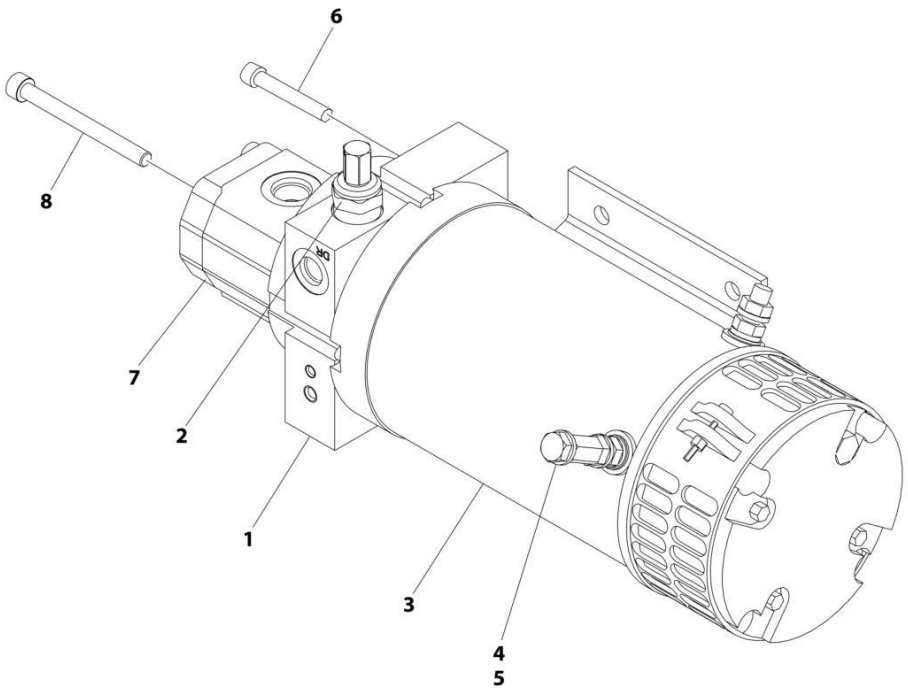
## FIGURE 2-6. BATTERY AND AUXILIARY PUMP INSTALLATION - WITH COLD WEATHER PLUS PACKAGE



## FIGURE 2-6. BATTERY AND AUXILIARY PUMP INSTALLATION - WITH COLD WEATHER PLUS PACKAGE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139520 | Ref | BATTERY AND AUXILIARY PUMP INSTALLATION - WITH COLD WEATHER PLUS PACKAGE | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0236768 | 4 | Rod, Hold-down | |
| 3 | 0363062 | 2 | Bar, Battery | |
| 4 | 0400020 | 1 | Battery | |
| 5 | 0641404 | 2 | Bolt 1/4 x 1/2 | |
| 5 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 6 | 0641413 | 2 | Bolt 1/4 x 1-5/8 | |
| 7 | 0641607 | 8 | Bolt 3/8 x 7/8 | |
| 16 | 3311608 | 4 | Nut 3/8 | |
| 17 | 3740067 | 1 | Relay | |
| 18 | 3980006 | 1 | Seat, Battery | |
| 19 | 4420037 | 17 in /43cm | Tape, Insulation | |
| 21 | 4711400 | 4 | Washer 1/4 | |
| 22 | 4711600 | 4 | Washer 3/8 | |
| 23 | 4751600 | 4 | Washer 3/8 | |
| 24 | 4791400 | 2 | Starwasher 1/4 | |
| 26 | 0903696 | 1 | Bracket | |
| 27 | 1001138838 | 1 | Auxiliary Pump Assembly (See Separate Breakdown in this Section) | |
| 28 | 1001133163 | 1 | Valve, Relief | |
| 28 | 7023936 | 1 | Seal Kit | |
| 29 | 1001133593 | 1 | Bracket | |
| 31 | 3311605 | 4 | Nut 3/8 | |

## FIGURE 2-7. AUXILIARY PUMP ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)

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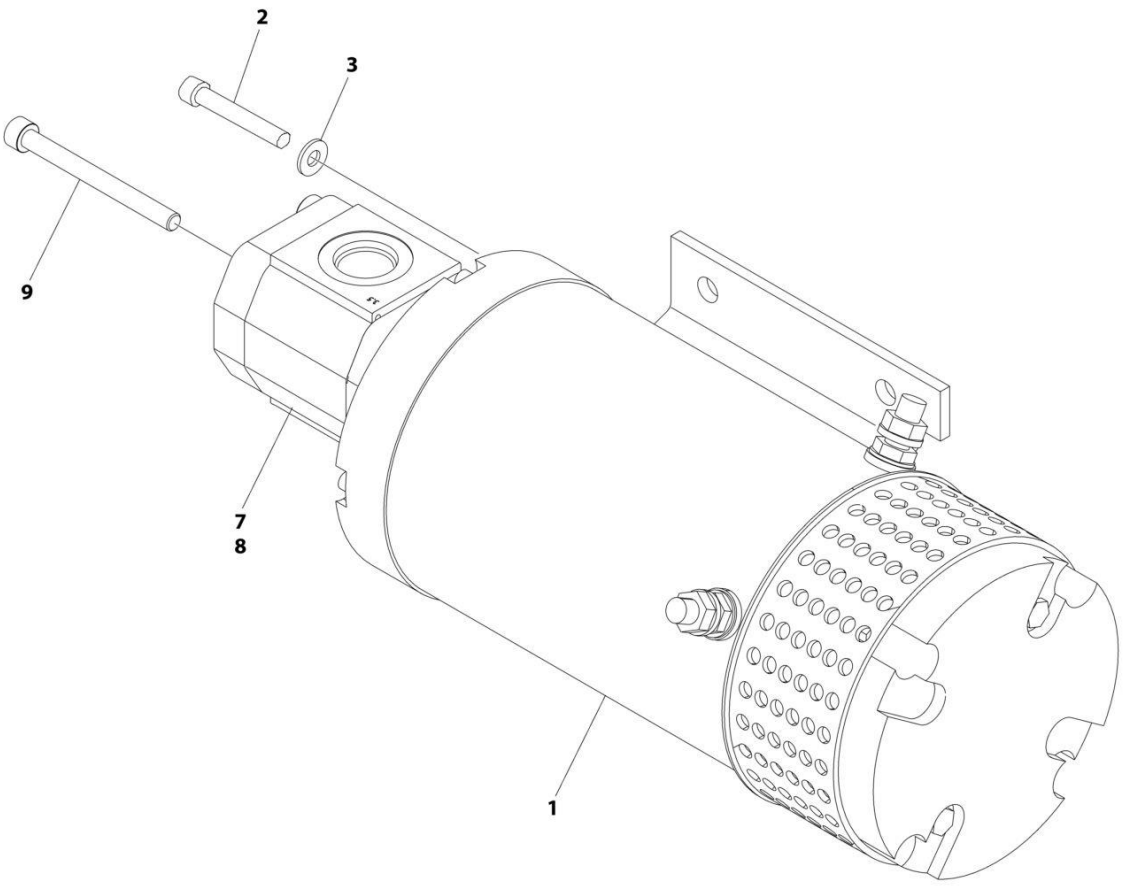
## FIGURE 2-7. AUXILIARY PUMP ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001162880 | Ref | AUXILIARY PUMP ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE) | A |
| 1 | 1001164700 | 1 | Base Assembly | |
| 1 | 70005618 | 1 | Plug | |
| 1 | 70005617 | 1 | Spring | |
| 1 | 70005616 | 1 | Poppet, Check | |
| 2 | 1001164700 | 1 | Valve, Relief | |
| 3 | See Note | 1 | Motor (Note: Not Available for Purchase) | |
| 4 | 70004006 | 1 | Nut 3/8 | |
| 5 | 70004007 | 1 | Bolt 3/8x3/4 | |
| 6 | 70004005 | 4 | Capscrew 1/4x3 | |
| 6 | See Note | 1 | Sleeve (Note: Not Available for Purchase) | |
| 7 | See Note | 1 | Pump Assembly (Note: Not Available for Purchase) | |
| 7 | 70005615 | 1 | Seal, Shaft | |
| 7 | 70005619 | 1 | Bearing | |
| 8 | See Note | 4 | Screw M8 x 85 (Note: Not Available for Purchase) | |

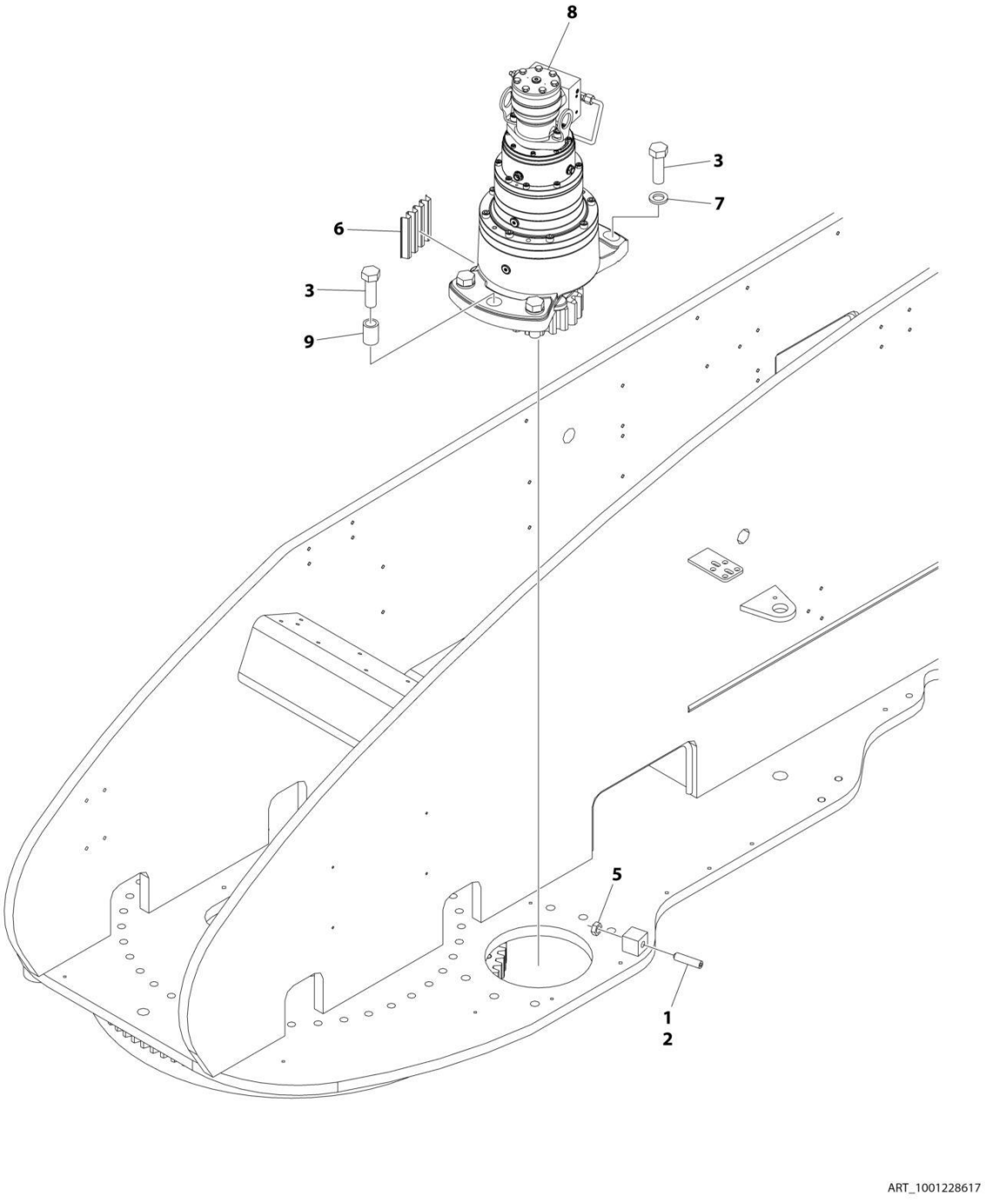
## FIGURE 2-8. AUXILIARY PUMP ASSEMBLY (WITH COLD WEATHER PLUS PACKAGE)



## FIGURE 2-8. AUXILIARY PUMP ASSEMBLY (WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138838 | Ref | AUXILIARY PUMP ASSEMBLY (WITH COLD WEATHER PLUS PACKAGE) | A |
| 1 | 70003800 | 1 | Motor | |
| 1 | See Note | NSS | Shaft (Note: Not Available for Purchase) | |
| 2 | 70003801 | 4 | Capscrew 5/16 x 3/4 (Pump Mounting) | |
| 3 | 70003802 | 4 | Washer 5/16 | |
| 4 | See Note | NSS | Adapter (Not Shown) (Note: Not Available for Purchase) | |
| 5 | See Note | NSS | Pin, Dowel (Not Shown) (Note: Not Available for Purchase) | |
| 6 | See Note | NSS | O-Ring (Not Shown) (Note: Not Available for Purchase) | |
| 7 | 70003803 | 1 | Pump Assembly | |
| 7 | See Note | NSS | Seal, Shaft (Note: Not Available for Purchase) | |
| 8 | See Note | NSS | Cover, Rear (Note: Not Available for Purchase) | |
| 9 | See Note | NSS | Screw M8 x 80 (Note: Not Available for Purchase) | |

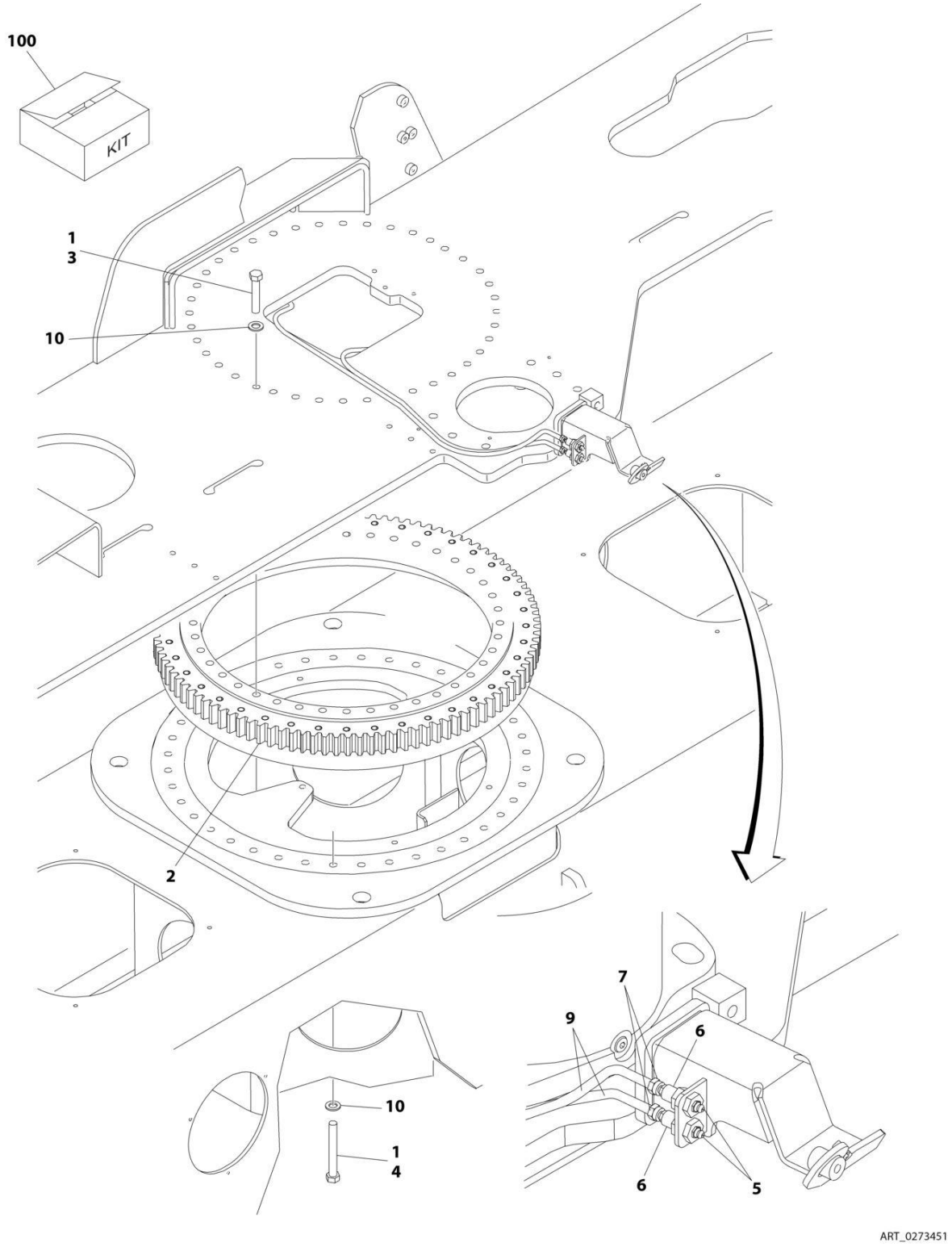
## FIGURE 2-9. SWING DRIVE INSTALLATION



## FIGURE 2-9. SWING DRIVE INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228617 | Ref | SWING DRIVE INSTALLATION | E |
| 1 | 0100019 | AR | Compound, Locking | |
| 2 | 3952020 | 1 | Setscrew 5/8 x 2-1/2 | |
| 3 | 0682422 | 6 | Bolt 7/8 x 2-3/4 Grade 8 | |
| 5 | 3312002 | 1 | Nut 5/8 | |
| 6 | 4071041 | 1 | Shim | |
| 7 | 4892400 | 5 | Washer 7/8 | |
| 8 | 1001228488 | 1 | Swing Motor/Hub Assembly (See Separate Breakdown in this Section) | |
| 9 | 1001229058 | 1 | Sleeve | |

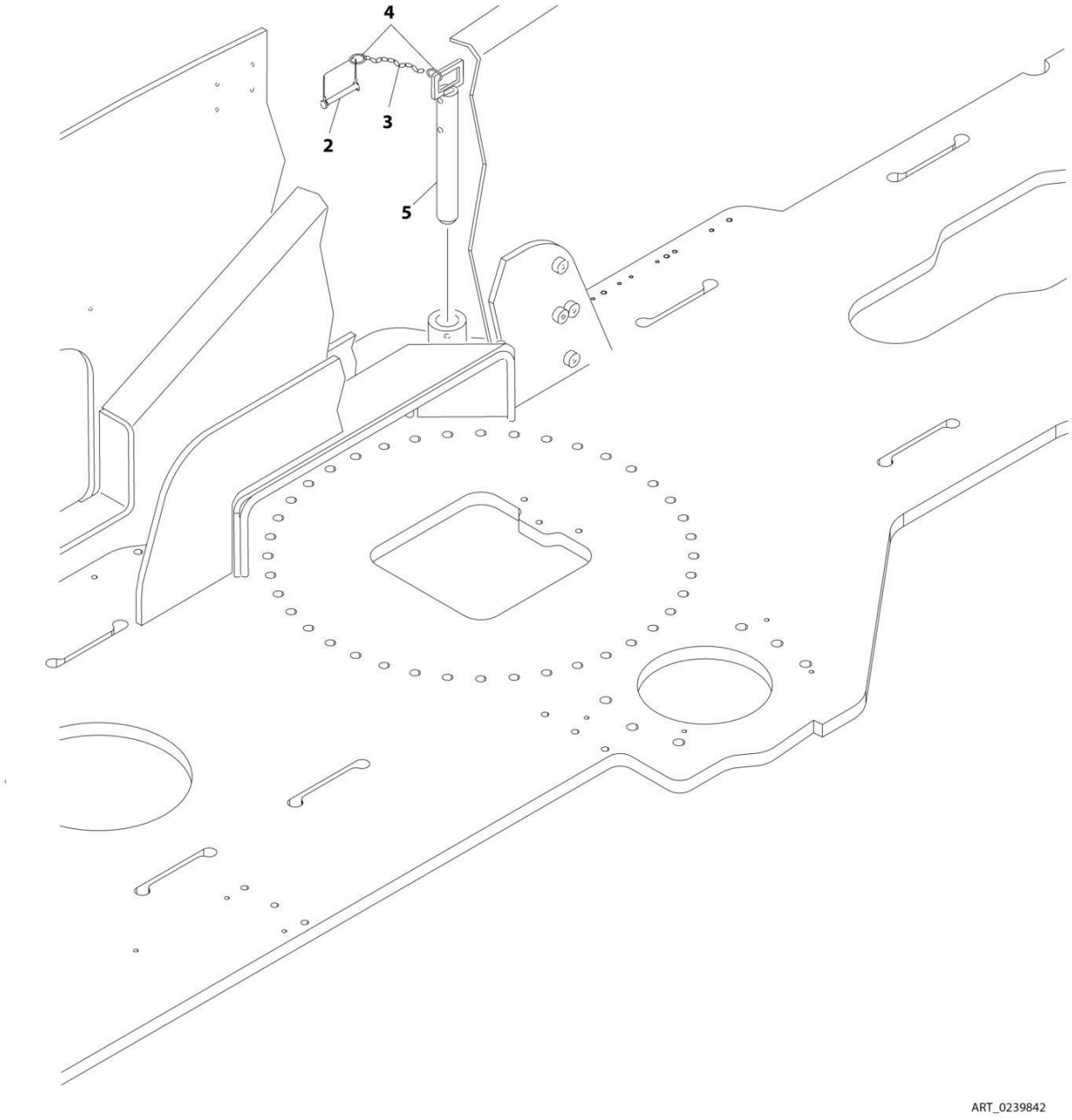
## FIGURE 2-10. TURNTABLE BEARING AND LUBE INSTALLATION



## FIGURE 2-10. TURNTABLE BEARING AND LUBE INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273451 | Ref | TURNTABLE BEARING AND LUBE INSTALLATION | B |
| 1 | 0100019 | AR | Compound, Locking | |
| 2 | 0440251 | 1 | Bearing, Turntable | |
| 3 | 0682026 | 40 | Bolt 5/8 x 3-1/4 Grade 8 | |
| 4 | 0682040 | 40 | Bolt 5/8 x 5 Grade 8 | |
| 5 | 2160002 | 2 | Fitting, Grease | |
| 6 | 2180344 | 2 | Fitting, Bulkhead | |
| 7 | 2220001 | 2 | Fitting, Straight Swivel | |
| 9 | 2750528 | 2 | Hose | |
| 10 | 4892000 | 80 | Washer 5/8 | |
| 100 | 2915072 | 1 | TURNTABLE BEARING KIT | |

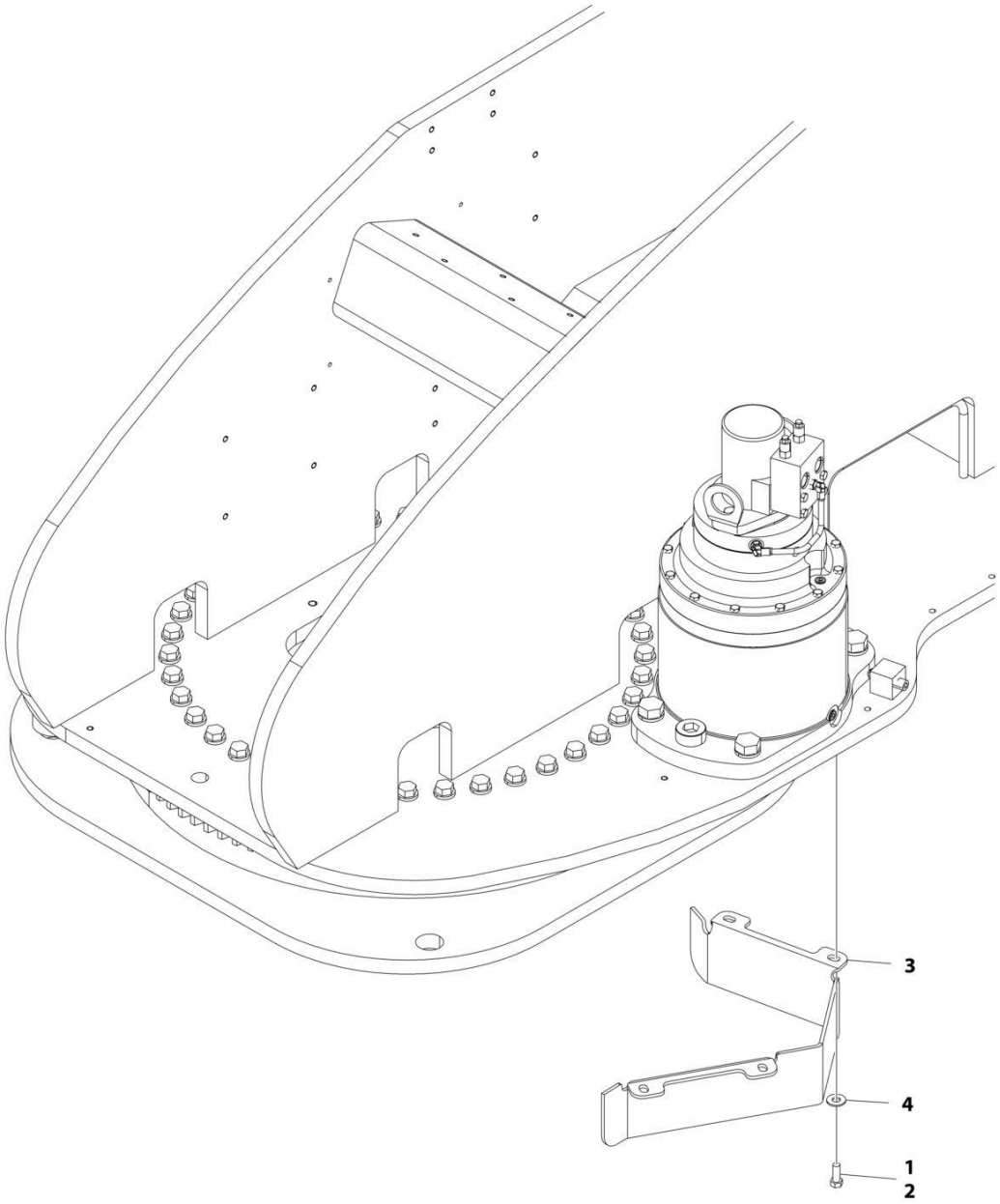
**FIGURE 2-11. TURNTABLE LOCK INSTALLATION**



## FIGURE 2-11. TURNTABLE LOCK INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0239842 | Ref | TURNTABLE LOCK INSTALLATION | B |
| 2 | 3421565 | 1 | Pin, Snap | |
| 3 | 1260017 | 9 in/23cm | Chain - #3 | |
| 4 | 3760170 | 2 | Ring, Quick Release | |
| 5 | 3421563 | 1 | Pin, Turntable Lock | |

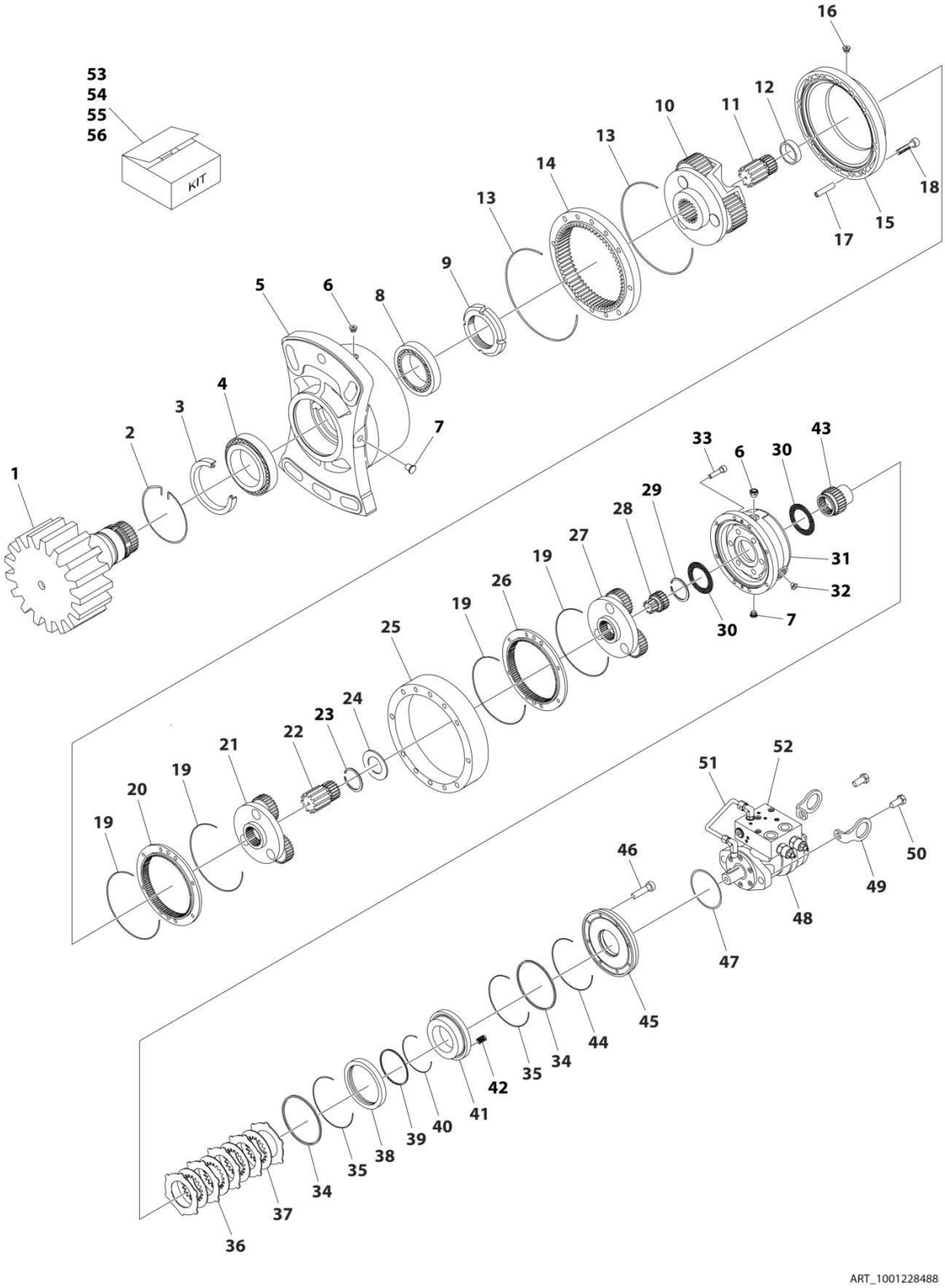
**FIGURE 2-12. PINION SHIELD INSTALLATION**



## FIGURE 2-12. PINION SHIELD INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0271874 | Ref | PINION SHIELD INSTALLATION | A |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 3 | 3573355 | 1 | Plate, Pinion | |
| 4 | 4751600 | 4 | Washer 3/8 | |

## FIGURE 2-13. SWING MOTOR/HUB ASSEMBLY



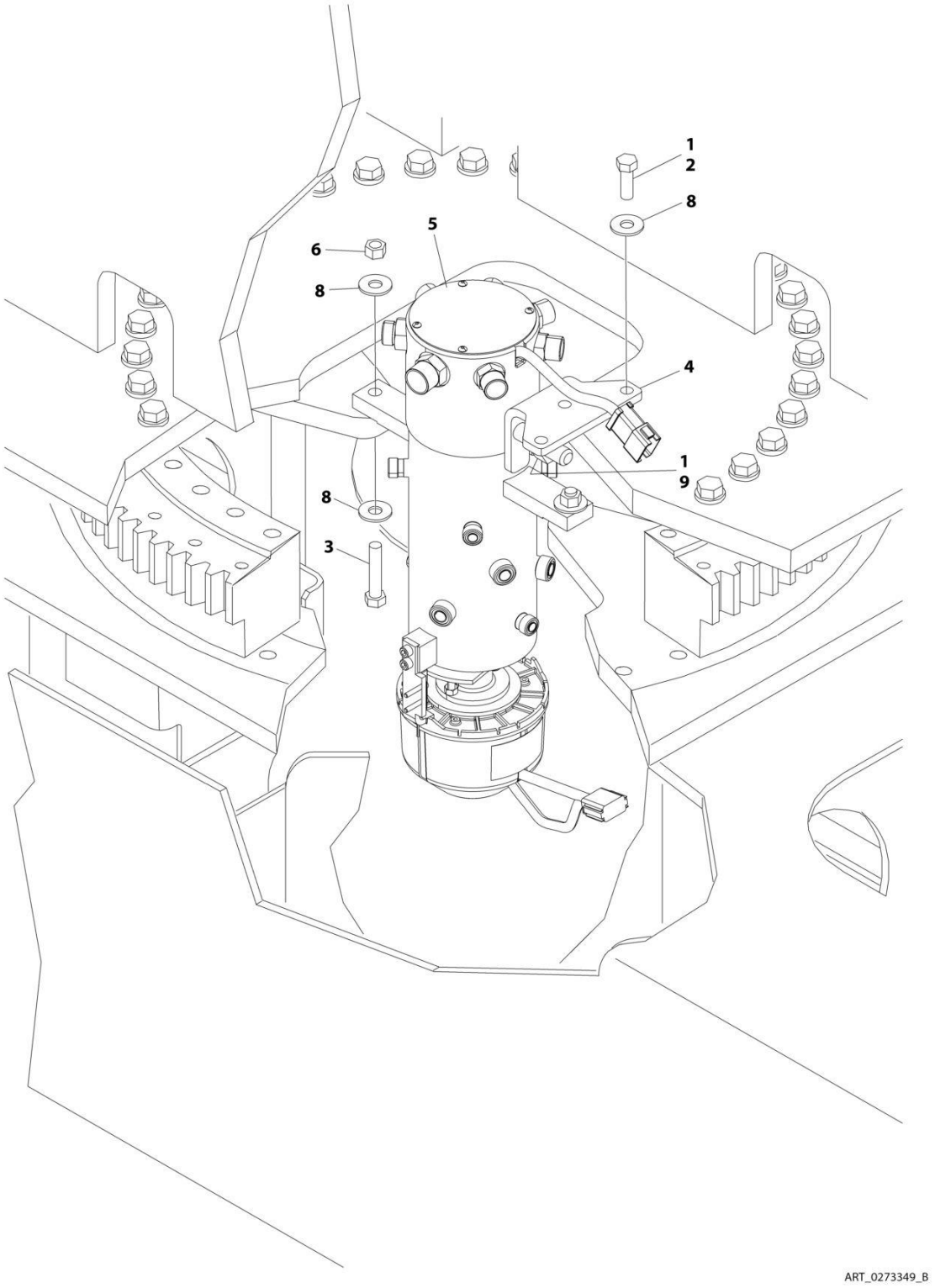
## FIGURE 2-13. SWING MOTOR/HUB ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228488 | Ref | SWING MOTOR/HUB ASSEMBLY | B |
| 1 | See Note | NSS | Shaft (Note: Use Item 56) | |
| 2 | 70004467 | 1 | Ring | |
| 3 | See Note | NSS | Seal, Oil (Note: Use Item 53) | |
| 4 | See Note | NSS | Bearing (Note: Use Item 55) | |
| 5 | See Note | NSS | Support, Output (Note: Not Available for Purchase) | |
| 6 | 70002057 | 5 | Plug with O-Ring | |
| 7 | 70004469 | 2 | Plug with O-Ring | |
| 8 | See Note | NSS | Bearing (Note: Use Item 55) | |
| 9 | See Note | NSS | Nut, Ring (Note: Use Item 56) | |
| 10 | 70006986 | 1 | Reduction, Gear - Complete | |
| 11 | 70006987 | 1 | Pinion | |
| 12 | 70004477 | 1 | Spacer | |
| 13 | See Note | NSS | O-Ring (Note: Use Item 53) | |
| 14 | 70004474 | 1 | Ring, Planetary | |
| 15 | 70006988 | 1 | Spacer | |
| 16 | 70002057 | 2 | Plug with O-Ring | |
| 17 | 70006989 | 4 | Pin, Spring | |
| 18 | 70004480 | 8 | Capscrew M10 x 55 | |
| 19 | See Note | NSS | O-Ring (Note: Use Item 53) | |
| 20 | 70006990 | 1 | Ring, Planetary | |
| 21 | 70006991 | 1 | Reduction, Gear - Complete | |
| 22 | 70006992 | 1 | Pinion | |
| 23 | 70002032 | 1 | Ring | |
| 24 | 70006993 | 1 | Spacer | |
| 25 | 70006994 | 1 | Spacer | |
| 26 | 70004481 | 1 | Ring, Planetary | |
| 27 | 70006995 | 1 | Reduction, Gear - Complete | |
| 28 | 70006996 | 1 | Pinion | |
| 29 | 70006997 | 1 | Ring | |
| 30 | 70006998 | 2 | Washer | |
| 31 | See Note | NSS | Housing, Brake (Note: Not Available for Purchase) | |
| 32 | 70006999 | 1 | Plug | |
| 33 | 70007000 | 8 | Capscrew M8 x 90 | |
| 34 | See Note | NSS | Seal (Note: Use Item 53 or 54) | |
| 35 | See Note | NSS | O-Ring (Note: Use Item 53 or 54) | |
| 36 | See Note | NSS | Disc, Steel (Note: Use Item 54) | |
| 37 | See Note | NSS | Disc (Note: Use Item 54) | |
| 38 | 70005317 | 1 | Spacer | |
| 39 | See Note | NSS | Seal (Note: Use Item 53 or 54) | |
| 40 | See Note | NSS | O-Ring (Note: Use Item 53 or 54) | |
| 41 | 70005318 | 1 | Piston, Brake | |
| 42 | See Note | NSS | Spring, Brake (Note: Use Item 54) | |
| 43 | 70007001 | 1 | Shaft, Input | |
| 44 | See Note | NSS | O-Ring (Note: Use Item 53 or 54) | |
| 45 | 70007002 | 1 | Cover | |
| 46 | 70007003 | 8 | Screw M6 x 25 | |
| 47 | See Note | NSS | O-Ring (Note: Use Item 53) | |
| 48 | 70007009 | 1 | Motor | |
| 48 | 70007011 | 1 | Seal Kit | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 49 | See Note | NSS | Lug, Lifting (Note: Not Available for Purchase) | |
| 50 | 70004494 | 2 | Capscrew M12 x 35 | |
| 51 | 70007004 | 1 | Brake, Valve Adapter | |
| 52 | 70007010 | 1 | Valve | |
| 52 | 70007012 | 1 | Seal Kit | |
| 52 | 70007013 | 1 | Hardware Kit | |
| 53 | 70007005 | 1 | Seal Kit – Brake and Hub (Includes Items 3, 13, 19, 34, 35, 39, 40, 44 & 47) | |
| 54 | 70007006 | 1 | Seal Kit – Brake (Includes Items 34-37, 39, 40, 42 & 44) | |
| 55 | 70007007 | 1 | Bearing Kit (Includes Items 4 & 8) | |
| 56 | 70007008 | 1 | Output Shaft Kit (Includes Items 1 & 9) | |

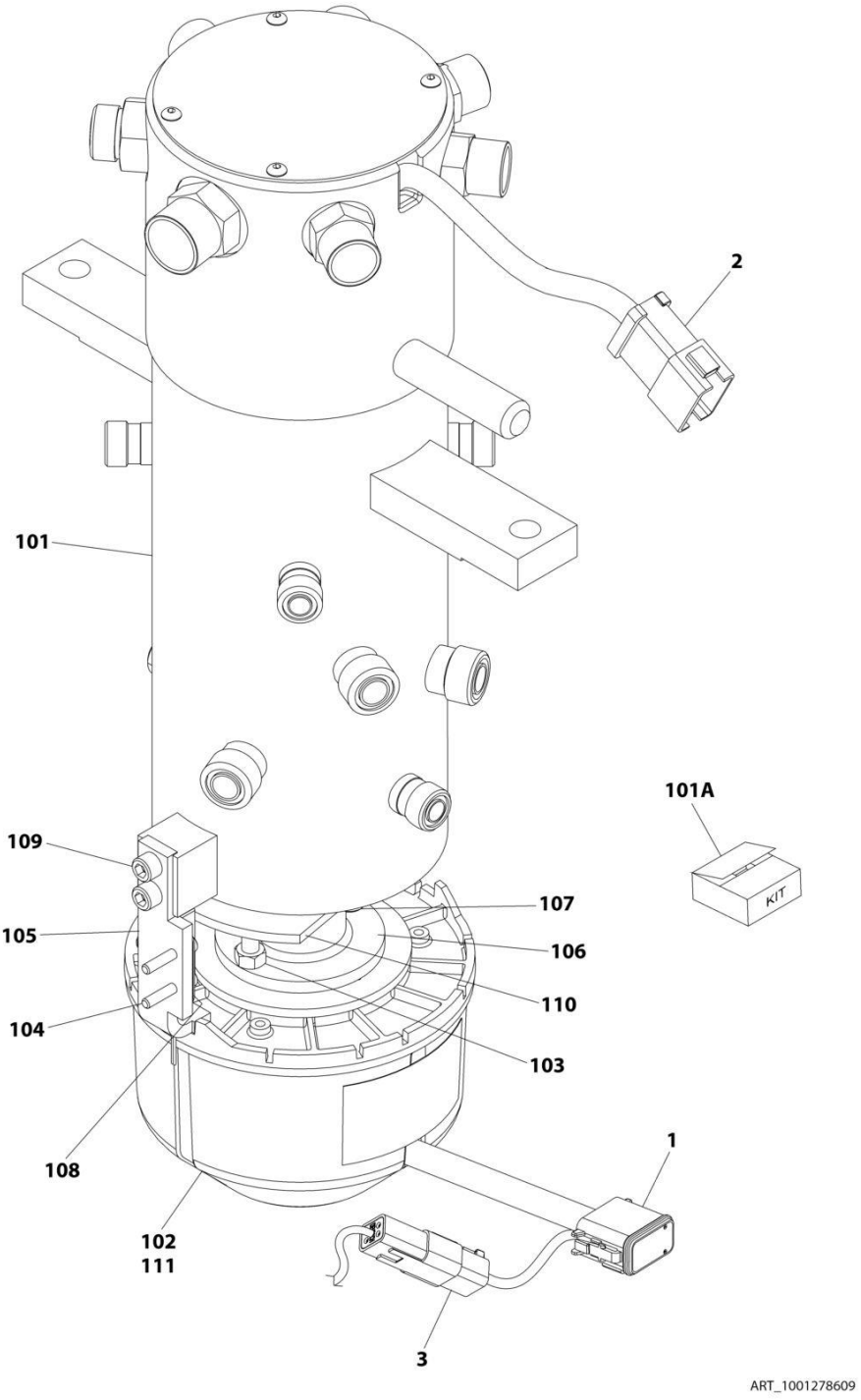
**FIGURE 2-14. ROTARY COUPLING AND COLLECTOR RING INSTALLATION**



## FIGURE 2-14. ROTARY COUPLING AND COLLECTOR RING INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273349 | Ref | ROTARY COUPLING AND COLLECTOR RING INSTALLATION | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641812 | 3 | Bolt 1/2 x 1-1/2 | |
| 3 | 0641820 | 2 | Bolt 1/2 x 2-1/2 | |
| 4 | 0902915 | 1 | Bracket, Swivel | |
| 5 | 1001278609 | 1 | Rotary Coupling and Collector Ring Assembly (See Separate Breakdown in this Section) | |
| 6 | 3311805 | 2 | Nut 1/2 | |
| 8 | 4751800 | 7 | Washer 1/2 | |
| 9 | 3322201 | 2 | Nut 3/4 | |

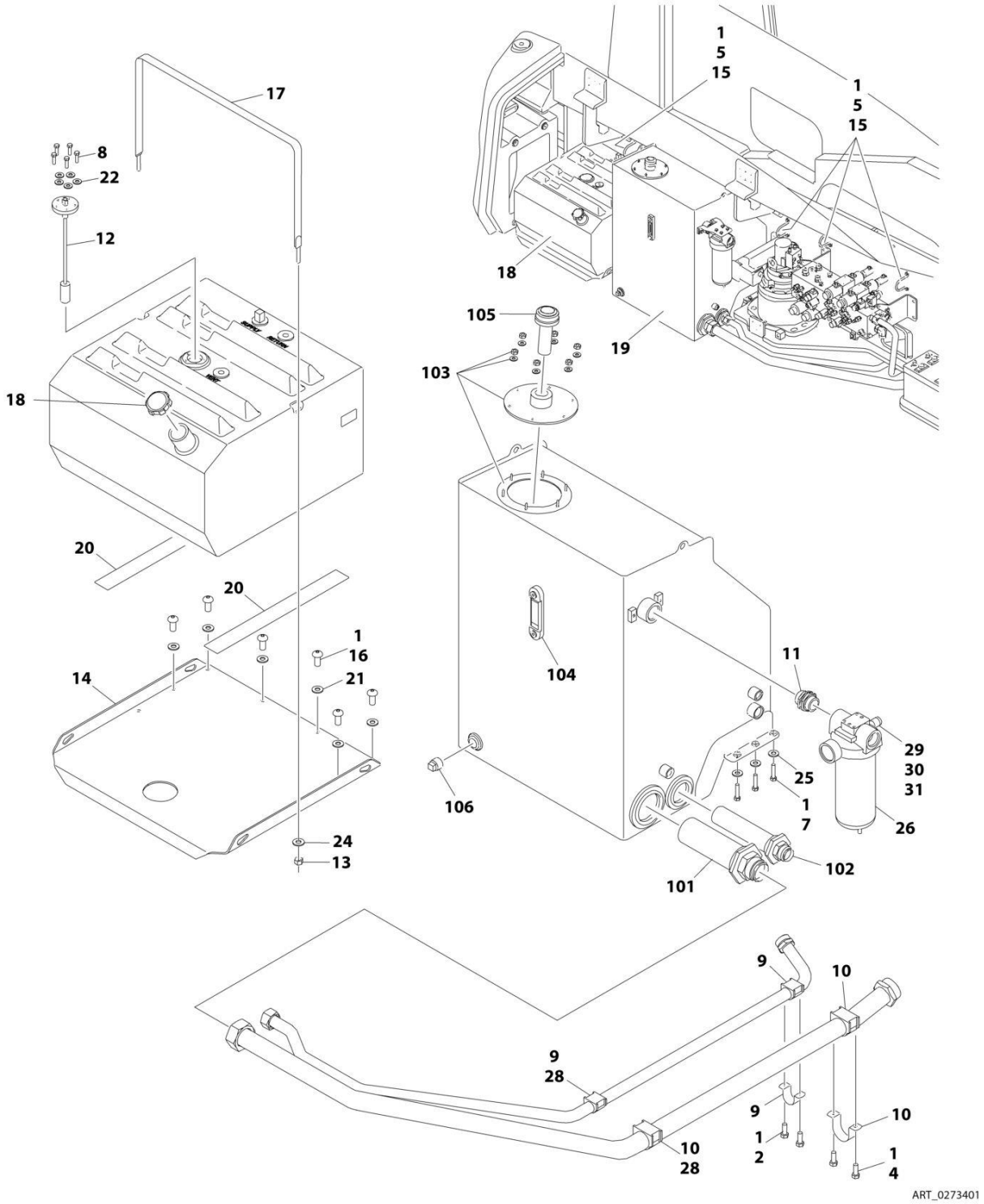
## FIGURE 2-15. ROTARY COUPLING AND COLLECTOR RING ASSEMBLY



## FIGURE 2-15. ROTARY COUPLING AND COLLECTOR RING ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001278609 | Ref | ROTARY COUPLING AND RING ASSEMBLY | A |
| 1 | 4460836 | 1 | Connector | |
| 1 | 4460944 | 3 | Socket (Gold Plated) | |
| 1 | 4460465 | 7 | Socket (Nickel Plated) | |
| 1 | 4460466 | 2 | Plug | |
| 1 | 80604016 | 1 | Wedge Lock | |
| 2 | 4460950 | 1 | Connector | |
| 2 | 4460943 | 3 | Pin (Gold Plated) | |
| 2 | 4460464 | 5 | Pin (Nickel Plated) | |
| 2 | 4460466 | 4 | Plug | |
| 2 | 80604015 | 1 | Wedge Lock | |
| 3 | 4460884 | 1 | Connector | |
| 3 | 80604021 | 1 | Wedge Lock | |
| 101 | 70008367 | 1 | Rotary Coupling Assembly | |
| 101A | 70001123 | 1 | Seal Kit - 70008367 Coupling | |
| 102 | 70008359 | 1 | Collector Ring Assembly | |
| 103 | 70008360 | 2 | Nut 5/16 | |
| 104 | 70007510 | 2 | Capscrew #10 x 1/2 | |
| 105 | 70008361 | 1 | Arm | |
| 106 | 70008362 | 1 | Adaptor, Spool | |
| 107 | 70008363 | 2 | Bolt 5/16 x 1 | |
| 108 | 70008364 | 1 | Sensor | |
| 109 | 3931512 | 2 | Capscrew 5/16 x 3/4 | |
| 110 | 70008365 | 1 | Plate, Cam | |
| 111 | 0100048 | AR | Silicone | |

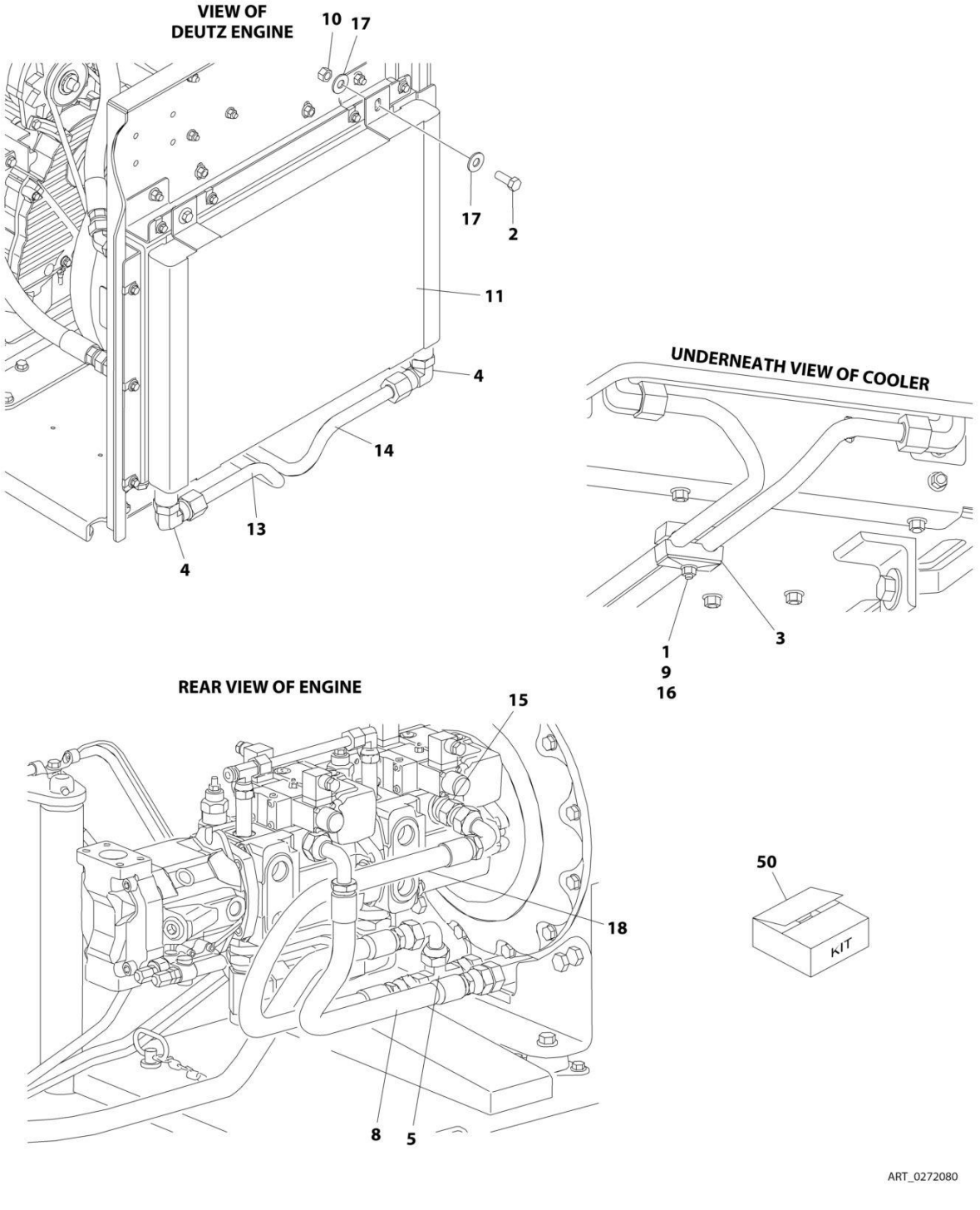
## FIGURE 2-16. TANK INSTALLATION



## FIGURE 2-16. TANK INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273401 | Ref | TANK INSTALLATION | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 4 | 0641508 | 2 | Bolt 5/16 x 1 | |
| 5 | 0641604 | 12 | Bolt 3/8 x 1/2 | |
| 7 | 0641615 | 6 | Bolt 3/8 x 1-7/8 | |
| 8 | 0731007 | 5 | Screw, Machine #10 x 7/8 | |
| 9 | 1320322 | 2 | Clamp | |
| 10 | 1320323 | 2 | Clamp | |
| 11 | 2220893 | 1 | Fitting, Adapter | |
| 12 | 2420191 | 1 | Gauge, Fuel | |
| 12 | 3960525 | 1 | Gasket | |
| 13 | 3311601 | 2 | Nut 3/8 | |
| 14 | 3574494 | 1 | Tray | |
| 15 | 3841340 | 8 | Loop, Hose | |
| 16 | 3900232 | 6 | Screw 3/8 x 1-1/4 | |
| 17 | 4240139 | 1 | Strap, Tank | |
| 18 | 1001160567 | 1 | Tank, Fuel | |
| 18 | 70004414 | 1 | Cap | |
| 18 | 7020043 | 1 | Tube, Pick up | |
| 19 | 4400462 | 1 | Tank, Hydraulic Oil (See Items 101-106 for Breakdown) | |
| 20 | 4420038 | 40 in/1m | Tape | |
| 21 | 4711600 | 6 | Washer 3/8 | |
| 22 | 4751000 | 5 | Washer #10 | |
| 24 | 4751600 | 2 | Washer 3/8 | |
| 25 | 4891600 | 6 | Washer 3/8 | |
| 26 | 2120167 | 1 | Filter, Return | |
| 26 | 2120168 | 1 | Element, Filter | |
| 26 | 7020021 | 1 | Gauge, Pressure | |
| 28 | 0100081 | AR | Loctite #454 | |
| 29 | 0100079 | AR | Sealant, Thread | |
| 30 | 1001119455 | 1 | Fitting, Diagnostic | |
| 31 | 1001119119 | 1 | Fitting, Adapter | |
| | 4400462 | Ref | HYDRAULIC OIL TANK ASSEMBLY | E |
| 101 | 7026599 | 1 | Strainer, Suction | |
| 102 | 7026600 | 1 | Strainer, Suction | |
| 103 | 7024439 | 1 | Cover | |
| 103 | 7024440 | 1 | Gasket, Cover | |
| 104 | 7024441 | 1 | Gauge, Sight | |
| 105 | 7024444 | 1 | Cap, Breather | |
| 105 | 7024443 | 1 | Neck Assembly | |
| 105 | 7024445 | 1 | Strainer | |
| 106 | 7024446 | 2 | Plug, Magnetic | |

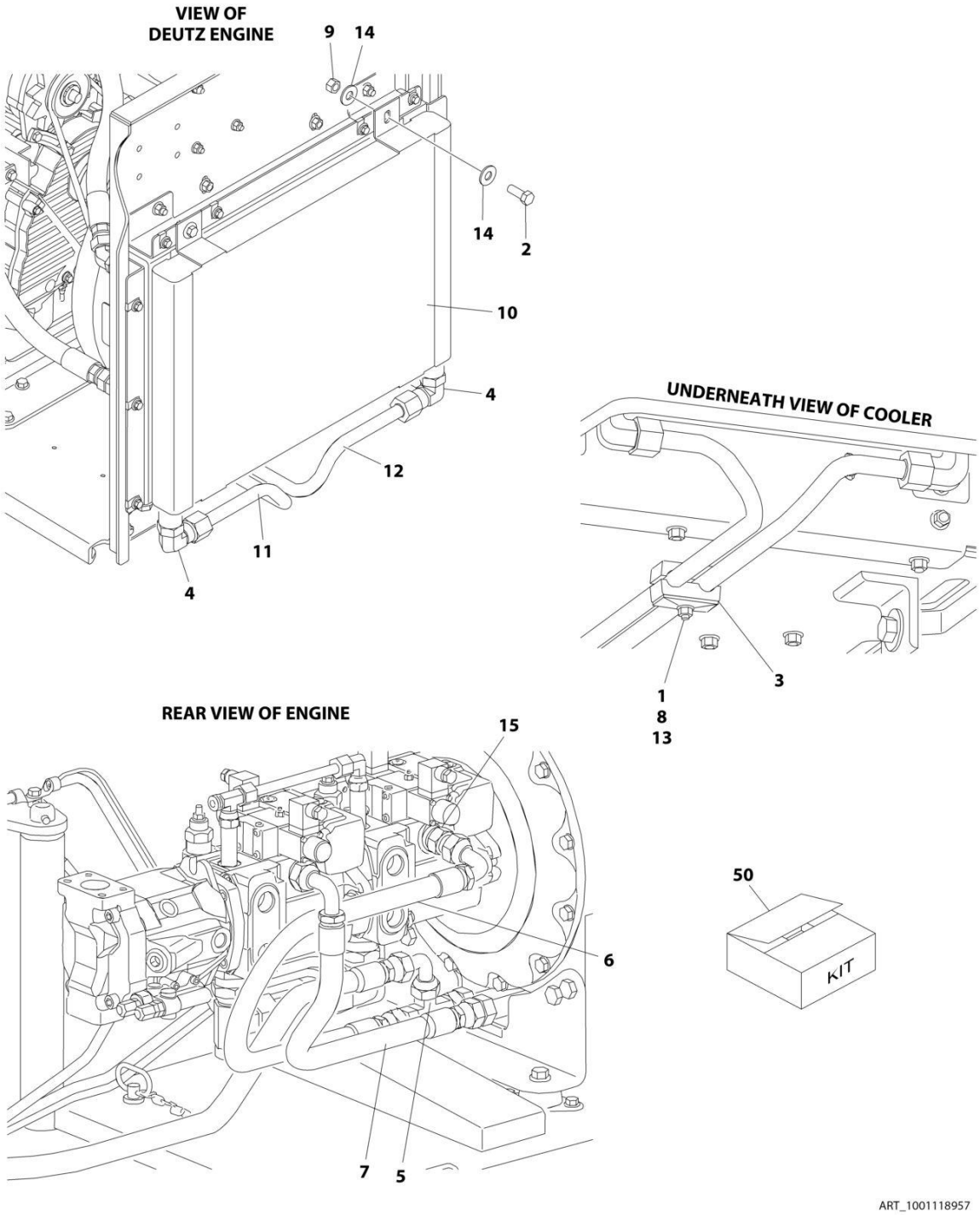
## FIGURE 2-17. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (OPTIONAL)



## FIGURE 2-17. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0272080 | Ref | HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (OPTIONAL) | B |
| | | Ref | Note: See Engine Installation for Engine Oil Cooler. | |
| 1 | 0641520 | 2 | Bolt 5/16 x 2-1/2 | |
| 2 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 3 | 1320162 | 2 | Clamp, Hose | |
| 4 | 2131212 | 2 | Fitting, Elbow | |
| 5 | 2170712 | 1 | Fitting, Tee | |
| 8 | 2753778 | 1 | Hose | |
| 9 | 3311505 | 2 | Nut 5/16 | |
| 10 | 3311605 | 4 | Nut 3/8 | |
| 11 | 3620034 | 1 | Cooler, Hydraulic Oil | |
| 13 | 4568426 | 1 | Tube | |
| 14 | 4568427 | 1 | Tube | |
| 15 | 4641247 | 1 | Valve, Check | |
| 16 | 4711500 | 4 | Washer 5/16 | |
| 17 | 4751600 | 8 | Washer 3/8 | |
| 18 | 2753843 | 1 | Hose | |
| 50 | 1001120564 | 1 | Oil Cooler Add-on Kit (Includes Items 1-18) | |

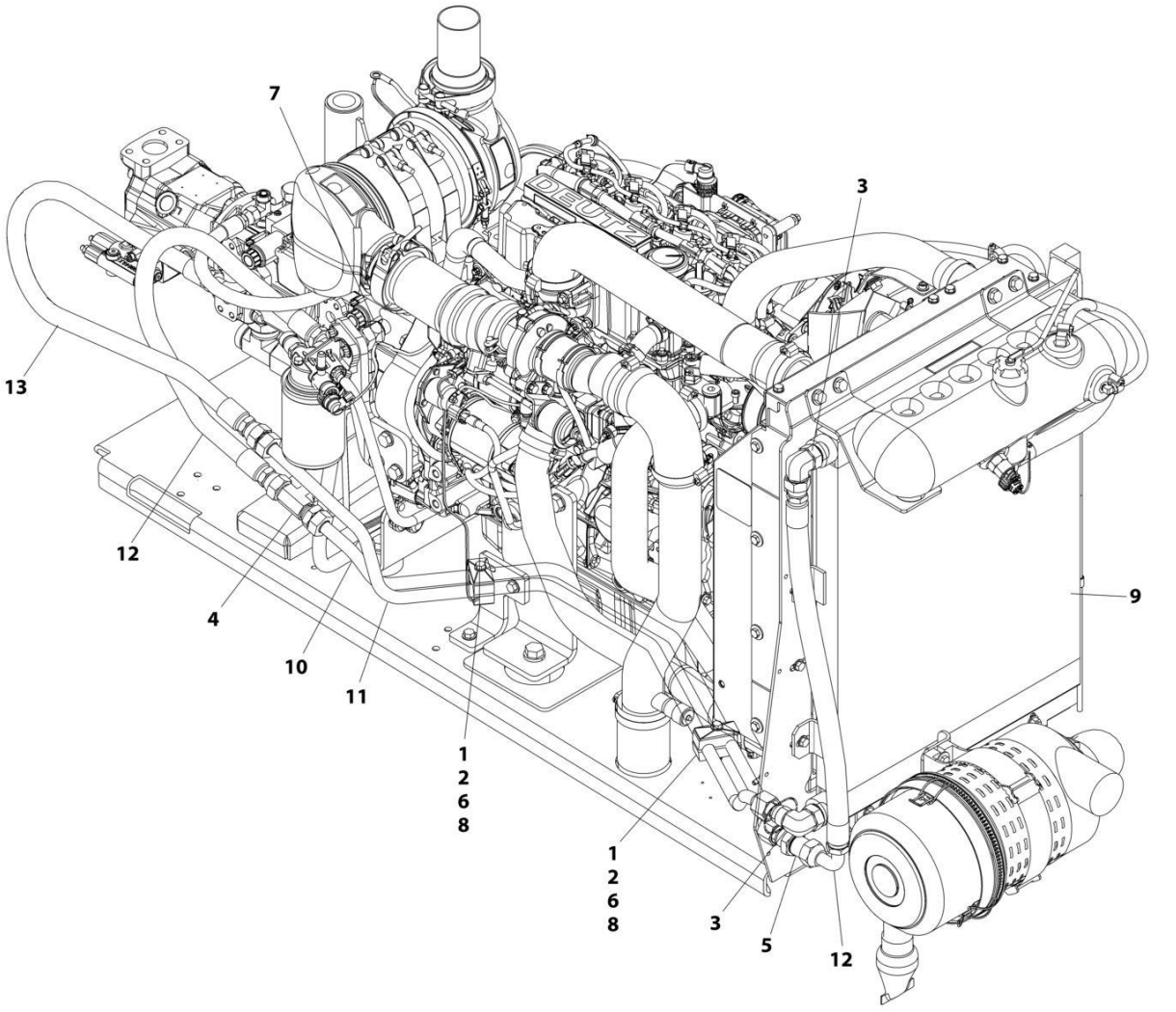
## FIGURE 2-18. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (OPTIONAL)



## FIGURE 2-18. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001118957 | Ref | HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (OPTIONAL) | B |
| | | Ref | Note: See Engine Installation for Engine Oil Cooler. | |
| 1 | 0641520 | 2 | Bolt 5/16 x 2-1/2 | |
| 2 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 3 | 1320162 | 2 | Clamp, Hose | |
| 4 | 2131212 | 2 | Fitting, Elbow | |
| 5 | 2170712 | 1 | Fitting, Tee | |
| 6 | 2753778 | 1 | Hose | |
| 7 | 2753999 | 1 | Hose | |
| 8 | 3311505 | 2 | Nut 5/16 | |
| 9 | 3311605 | 4 | Nut 3/8 | |
| 10 | 3620034 | 1 | Cooler, Hydraulic Oil | |
| 11 | 4568426 | 1 | Tube | |
| 12 | 4568427 | 1 | Tube | |
| 13 | 4711500 | 4 | Washer 5/16 | |
| 14 | 4751600 | 8 | Washer 3/8 | |
| 15 | 1001109677 | 1 | Valve, Check | |
| 50 | 1001120564 | 1 | Oil Cooler Add-on Kit Options (Includes Items 1-15): | |

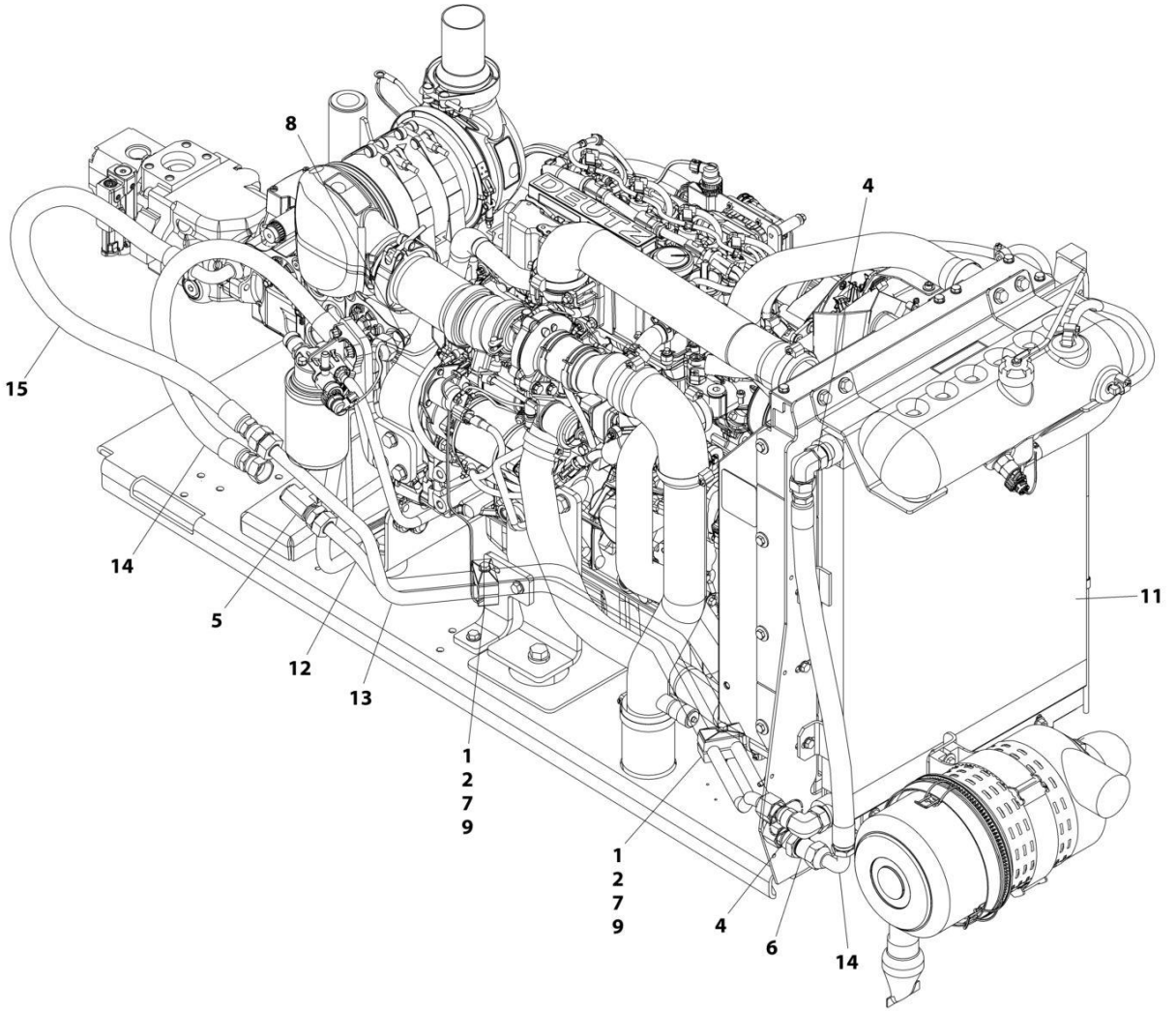
## FIGURE 2-19. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES REXROTH PUMP (OPTIONAL)



## FIGURE 2-19. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES REXROTH PUMP (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139494 | Ref | HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH REXROTH PUMPS (OPTIONAL) | F |
| | | Ref | Note: See Engine Installation for Engine Oil Cooler. | |
| 1 | 0641520 | 2 | Bolt 5/16 x 2-1/2 | |
| 2 | 1320162 | 2 | Clamp, Hose | |
| 3 | 2131212 | 2 | Fitting, 90 | |
| 4 | 2170712 | 1 | Fitting, Tee | |
| 5 | 2171112 | 1 | Fitting, Straight | |
| 6 | 3311505 | 2 | Nut 5/16 | |
| 7 | 4641247 | 1 | Valve | |
| 8 | 4711500 | 4 | Washer 5/16 | |
| 9 | 1001256859 | 1 | Cooler, Hydraulic Oil | |
| 10 | 1001139665 | 1 | Tube | |
| 11 | 1001139666 | 1 | Tube | |
| 12 | 1001143087 | 2 | Hose | |
| 13 | 1001143123 | 1 | Hose | |

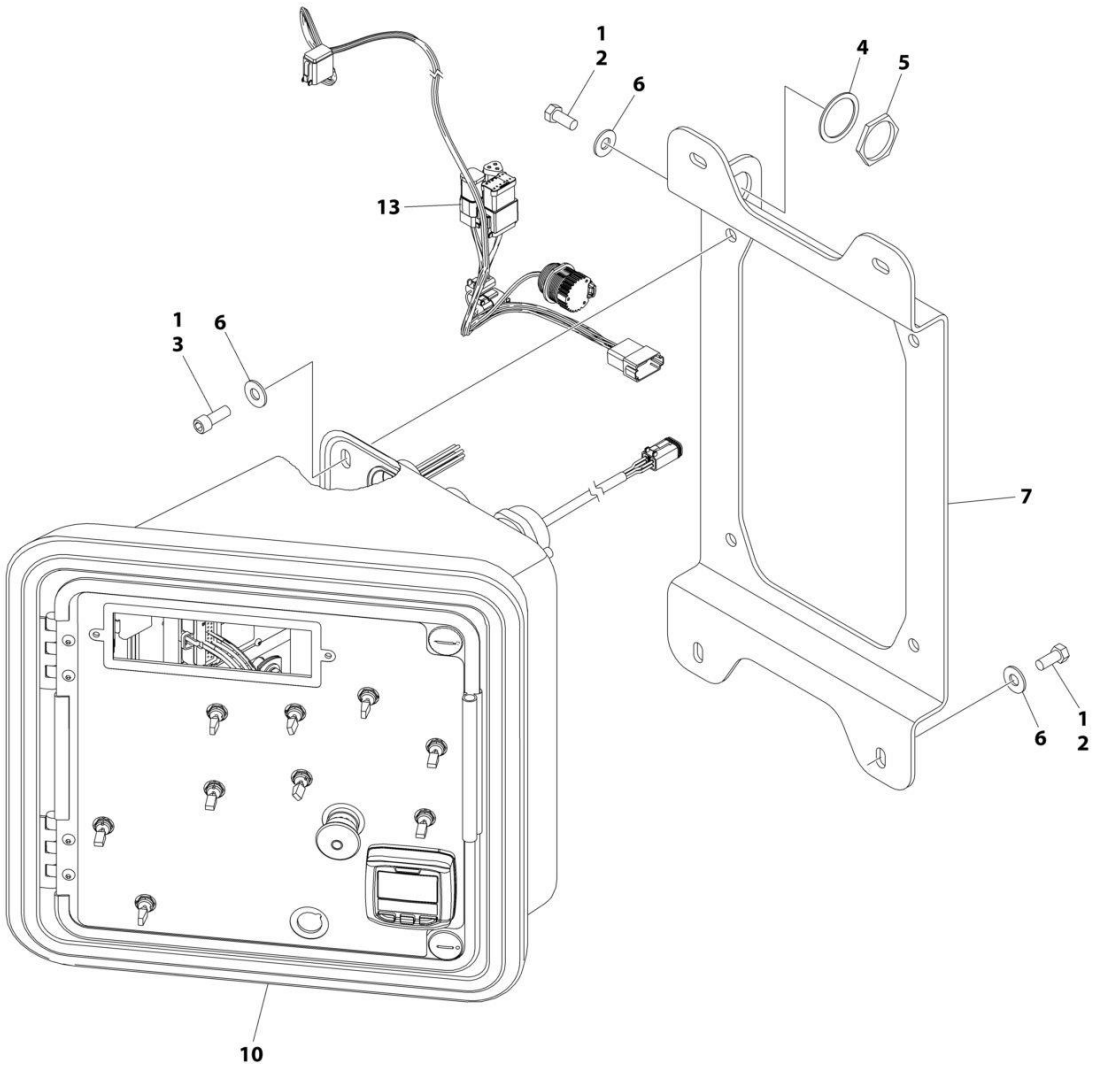
## FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMP (OPTIONAL)



## FIGURE 2-20. HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH SAUER PUMP (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139492 | Ref | HYDRAULIC OIL COOLER INSTALLATION - DEUTZ TCD2.9L4 ENGINES WITH SAUER PUMPS (OPTIONAL) | F |
| | | Ref | Note: See Engine Installation for Engine Oil Cooler | |
| 1 | 0641520 | 2 | Bolt 5/16 x 2-1/2 | |
| 2 | 1320162 | 2 | Clamp, Hose | |
| 4 | 2131212 | 2 | Fitting, 90 | |
| 5 | 2170712 | 1 | Fitting, Tee | |
| 6 | 2171112 | 1 | Fitting, Straight | |
| 7 | 3311505 | 2 | Nut 5/16 | |
| 8 | 1001109677 | 1 | Valve | |
| 9 | 4711500 | 4 | Washer 5/16 | |
| 11 | 1001256859 | 1 | Cooler, Hydraulic Oil | |
| 12 | 1001139665 | 1 | Tube | |
| 13 | 1001139666 | 1 | Tube | |
| 14 | 1001143087 | 2 | Hose | |
| 15 | 1001143123 | 1 | Hose | |

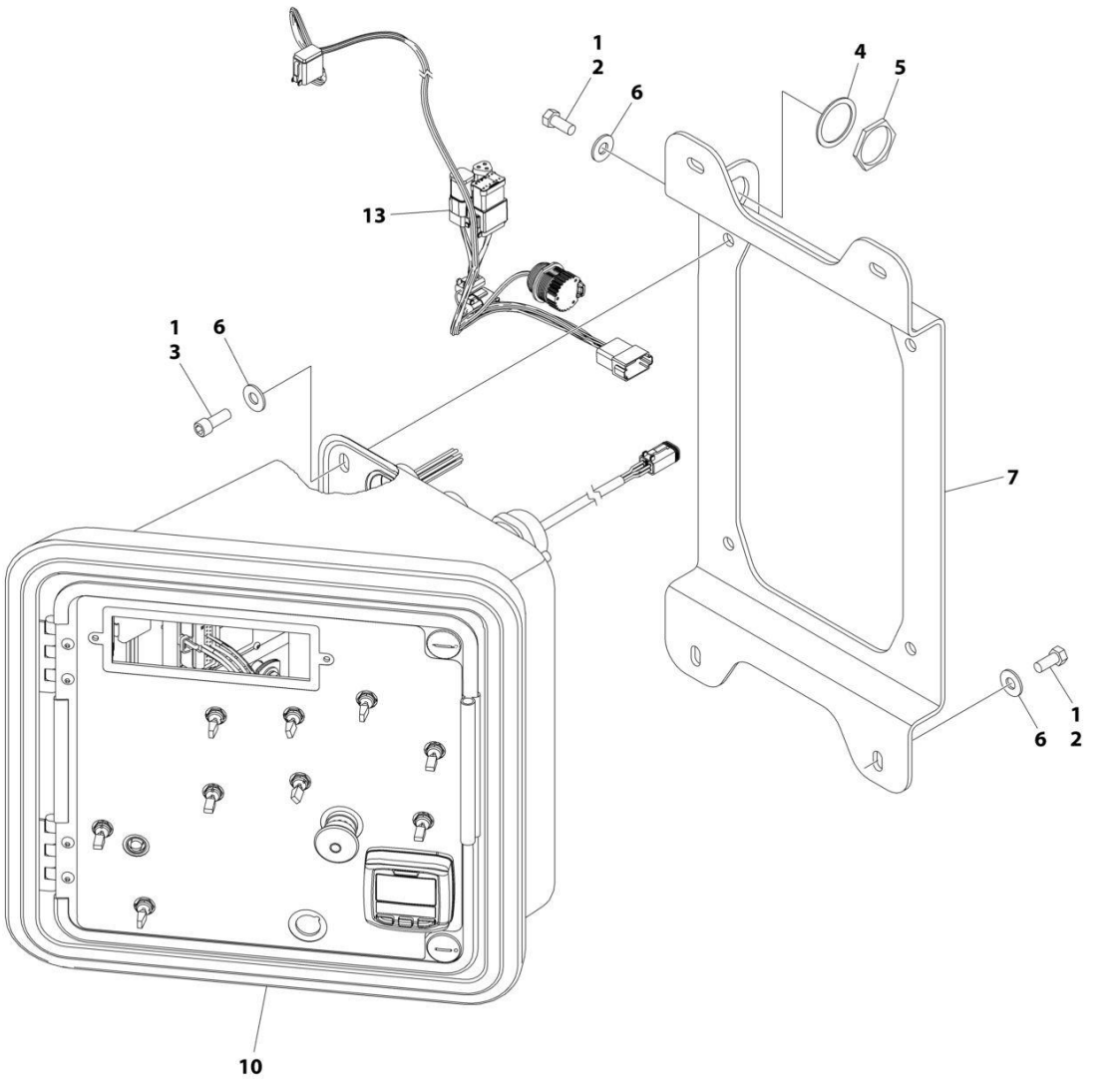
## FIGURE 2-21. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITHOUT TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)



## FIGURE 2-21. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITHOUT TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001243544 | Ref | GROUND CONTROL BOX INSTALLATION | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119456 | 2 | Harness, Pump Adapter (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 9 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 10 | 1001266935 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 11 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 12 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 13 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

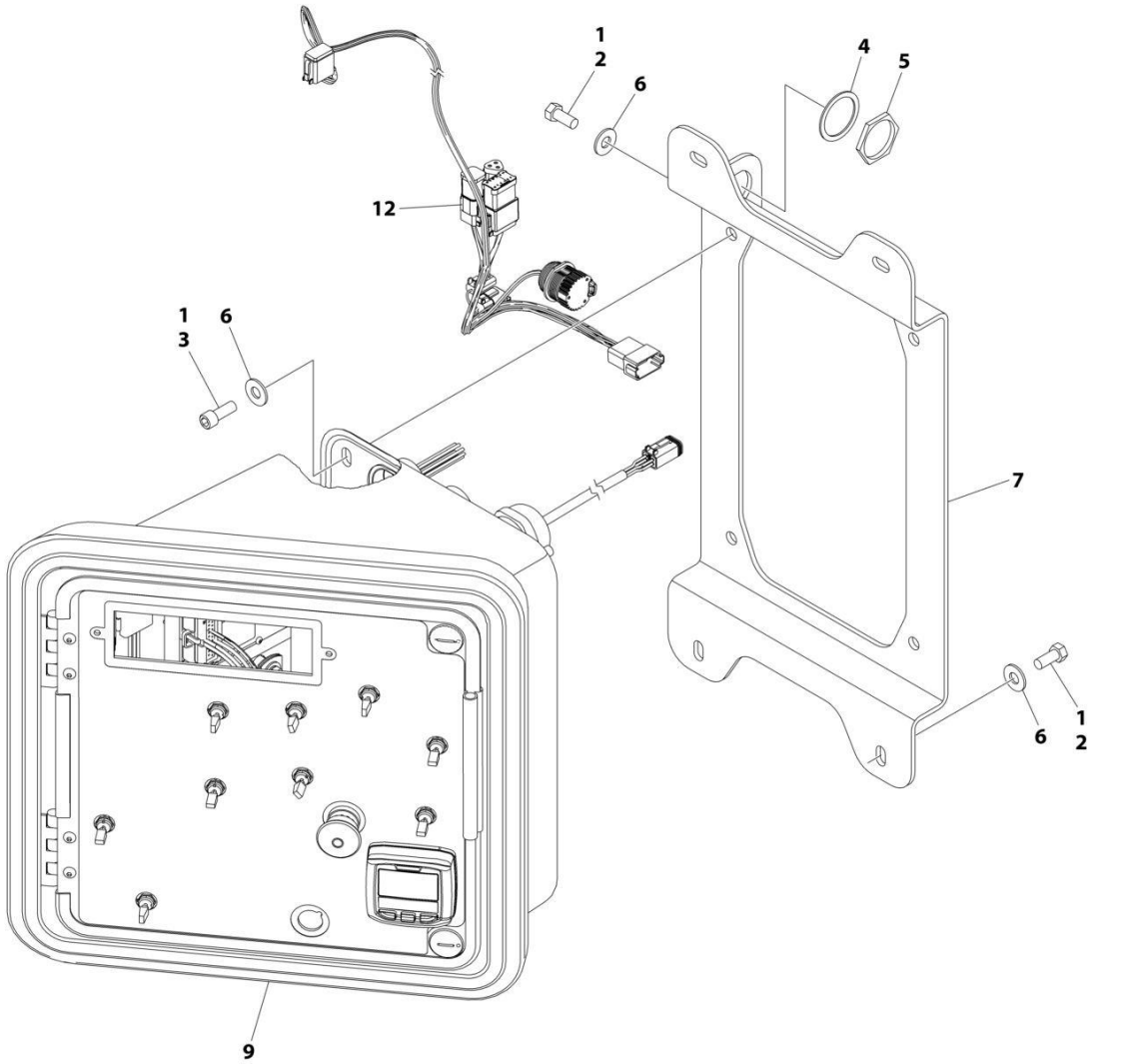
## FIGURE 2-22. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITH TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)



## FIGURE 2-22. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITH TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267654 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119456 | 2 | Harness, Pump Adapter (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 9 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 10 | 1001265867 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 11 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 12 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 13 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

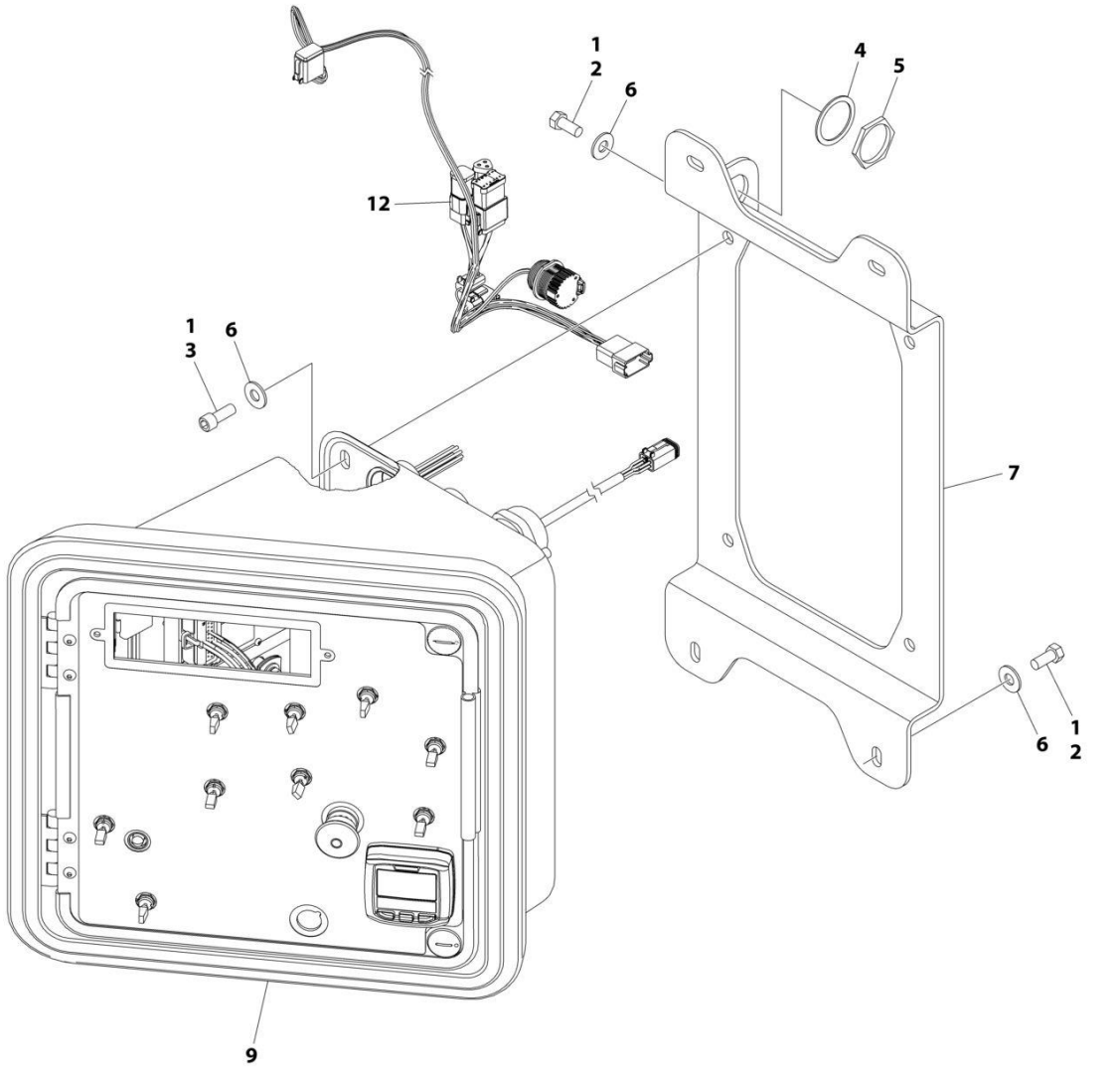
## FIGURE 2-23. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITHOUT TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)



## FIGURE 2-23. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITHOUT TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001243583 | Ref | GROUND CONTROL BOX INSTALLATION | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in this Section) | |
| 9 | 1001266935 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 10 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 11 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 12 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

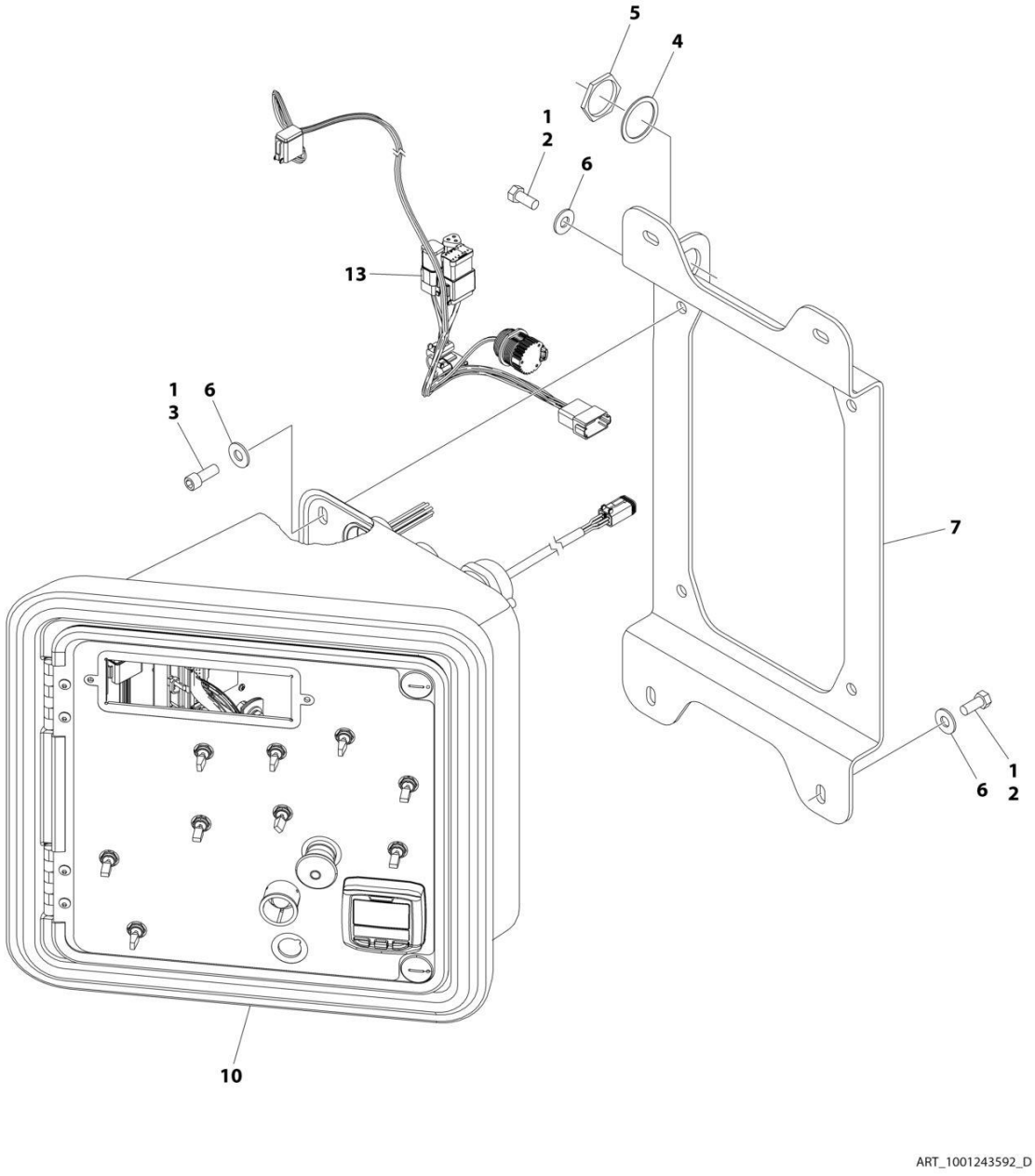
## FIGURE 2-24. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITH TOWER STOW) (CE & UK CA SPECS) (LRC)



## FIGURE 2-24. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITH TOWER STOW) (CE & UK CA SPECS) (LRC)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267655 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 9 | 1001265867 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 10 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 11 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 12 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

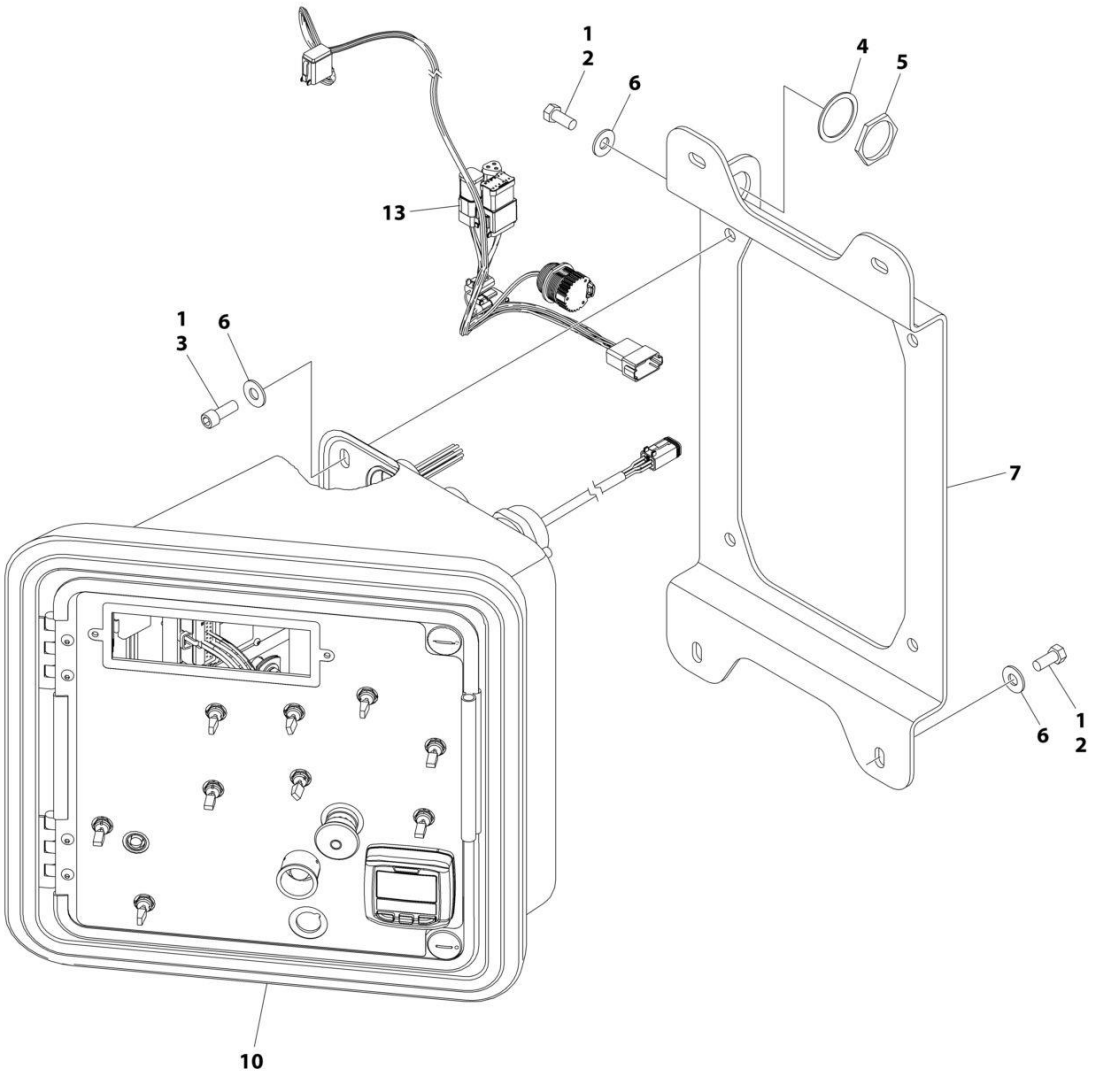
## FIGURE 2-25. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (WITHOUT TOWER STOW) (CE & UK CA SPECS) (LRC)



## FIGURE 2-25. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMPS (WITHOUT TOWER STOW) (CE & UK CA SPECS) (LRC)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001243592 | Ref | GROUND CONTROL BOX INSTALLATION | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119456 | 2 | Harness, Pump Adapter (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 9 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in this Section) | |
| 10 | 1001266936 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 11 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 12 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 13 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

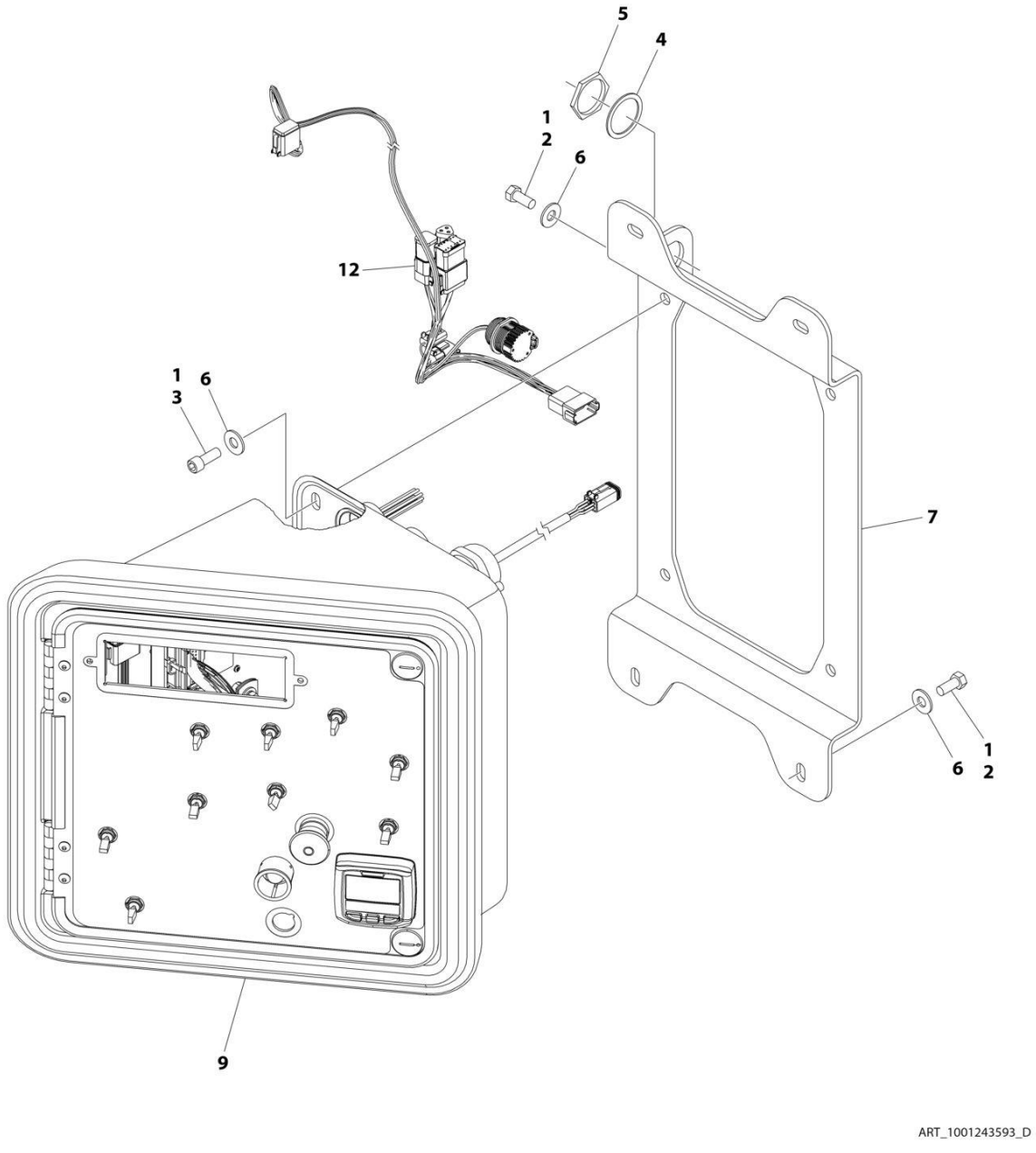
## FIGURE 2-26. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITH TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)



## FIGURE 2-26. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH REXROTH PUMP (WITH TOWER STOW) (ANSI EXPORT & AUSTRALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267656 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119456 | 2 | Harness, Pump Adapter (Not Shown) (See Separate Breakdown in ELECTRICAL Section) | |
| 9 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in this Section) | |
| 10 | 1001265868 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 11 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 12 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 13 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

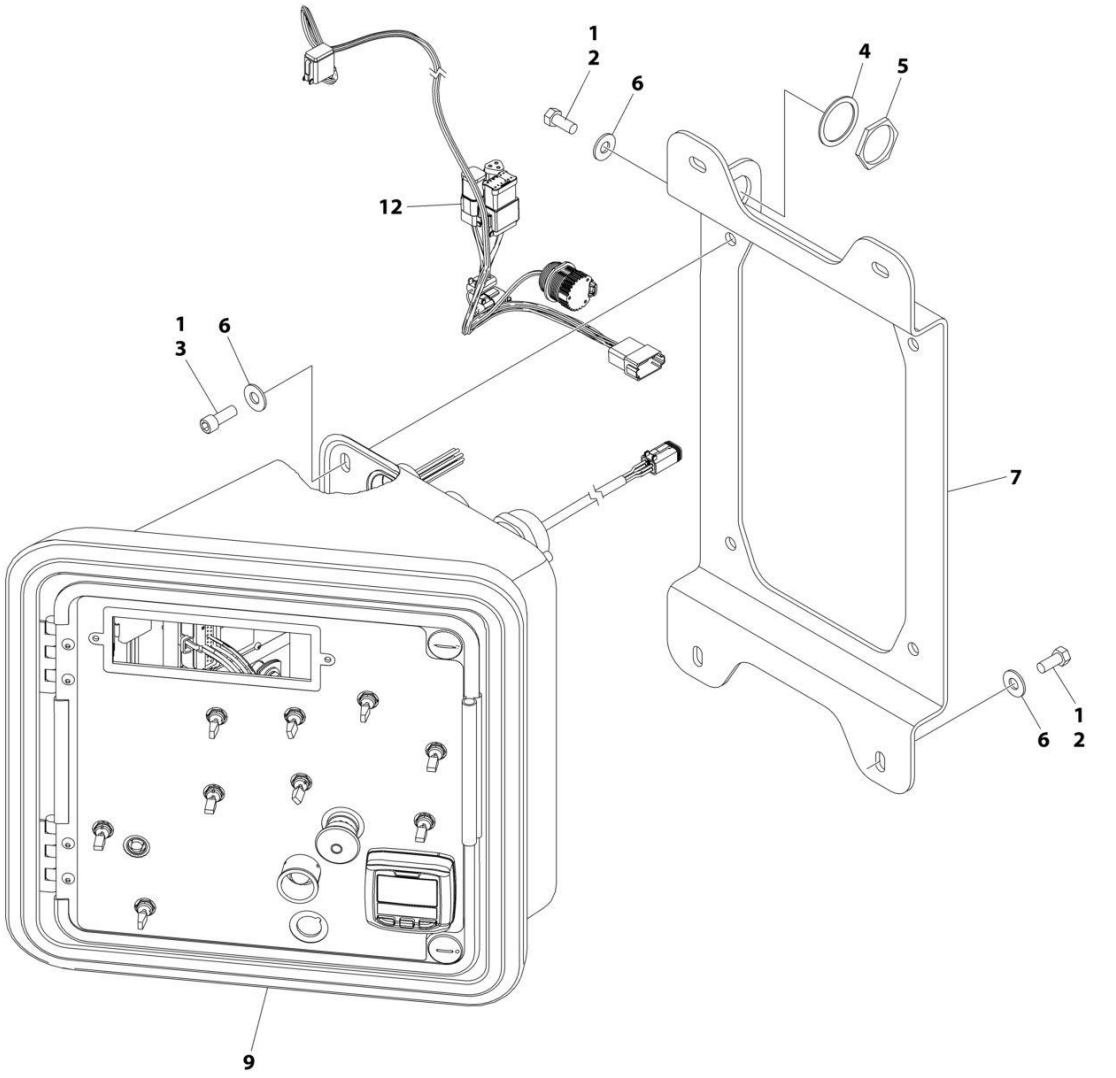
## FIGURE 2-27. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (WITHOUT TOWER STOW) (CE & UK CA SPECS) (LRC)



## FIGURE 2-27. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMPS (WITHOUT TOWER STOW) (CE & UK CA SPECS) (LRC)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001243593 | Ref | GROUND CONTROL BOX INSTALLATION | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in this Section) | |
| 9 | 1001266936 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 10 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 11 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 12 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

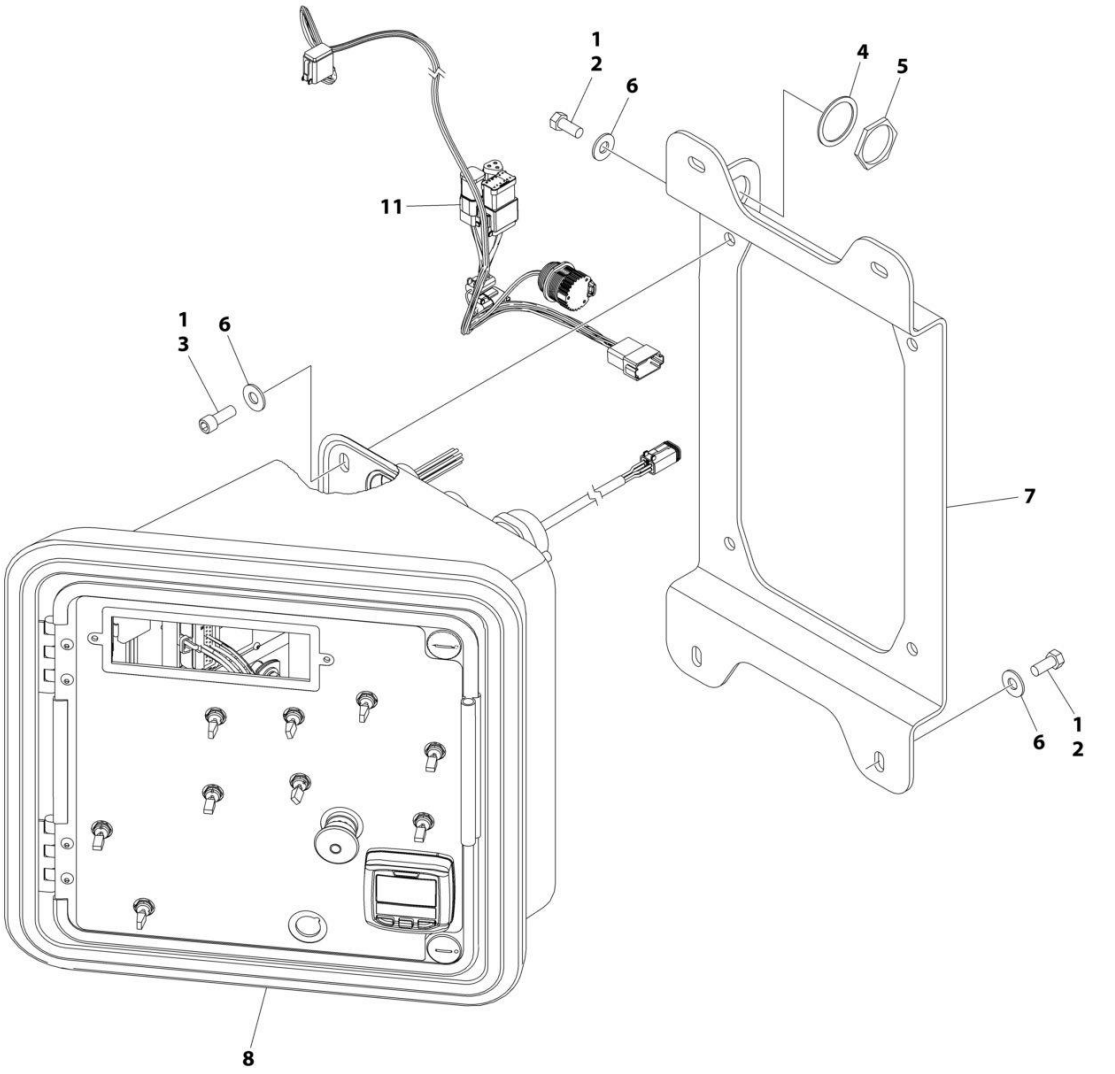
## FIGURE 2-28. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITH TOWER STOW) (CE & UK CA SPECS) (LRC)



## FIGURE 2-28. GROUND CONTROL BOX INSTALLATION - DEUTZ TD2011 ENGINES WITH SAUER PUMP (WITH TOWER STOW) (CE & UK CA SPECS) (LRC)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267657 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001119470 | 1 | Harness, Engine (Not Shown) (See Separate Breakdown in this Section) | |
| 9 | 1001265868 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 10 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 11 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 12 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

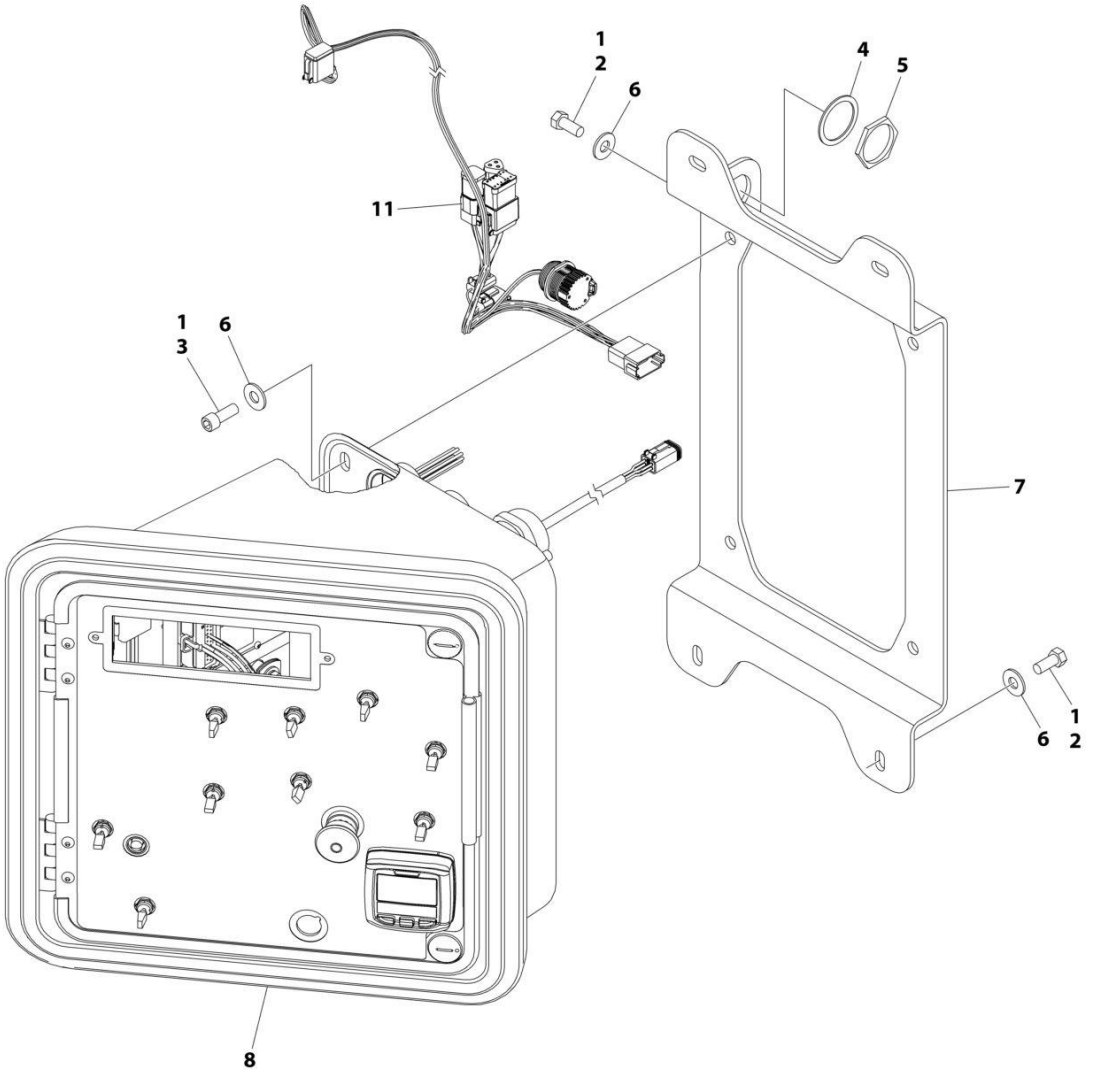
## FIGURE 2-29. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 ENGINES (WITHOUT TOWER STOW) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)



## FIGURE 2-29. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 ENGINES (WITHOUT TOWER STOW) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001243543 | Ref | GROUND CONTROL BOX INSTALLATION | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001266935 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 9 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 10 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 11 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

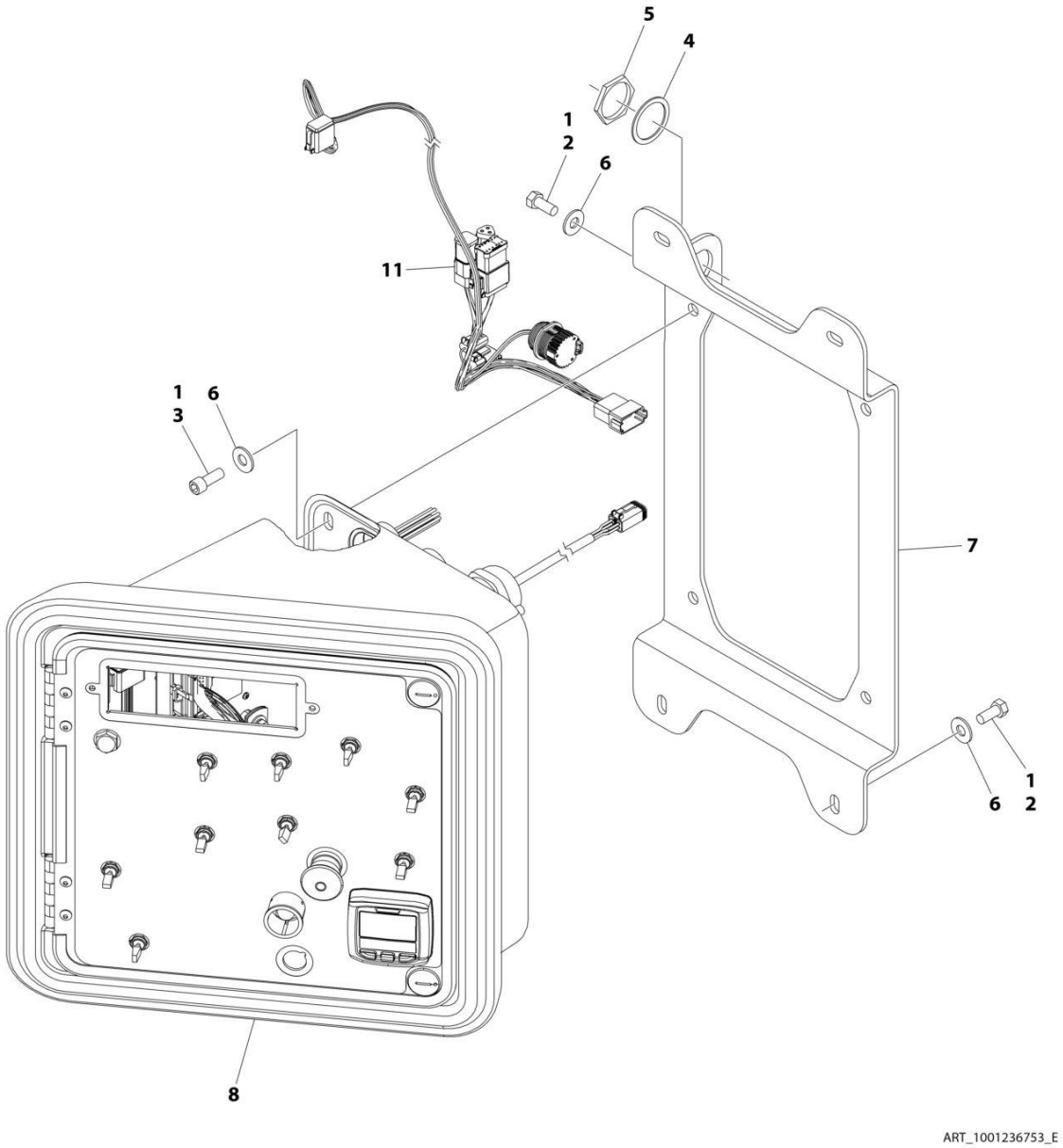
**FIGURE 2-30. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 ENGINES (WITH TOWER STOW) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS).**



## FIGURE 2-30. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 ENGINES (WITH TOWER STOW) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS).

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267653 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001265867 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 9 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 10 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 11 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

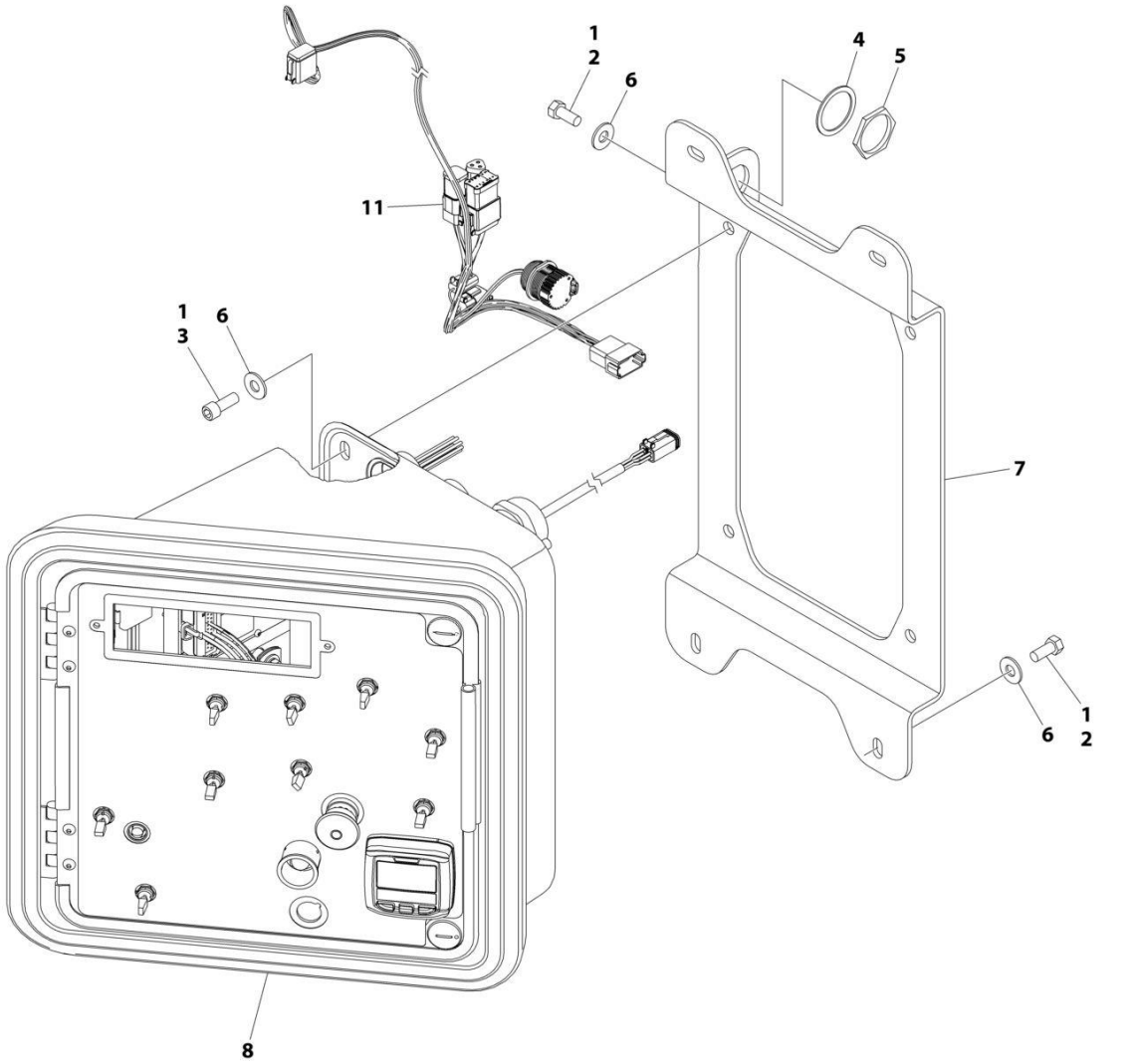
## FIGURE 2-31. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES (WITHOUT TOWER STOW)(CE & UK CA SPECS)



## FIGURE 2-31. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES (WITHOUT TOWER STOW)(CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001236753 | Ref | GROUND CONTROL BOX INSTALLATION | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001266937 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 9 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 10 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 11 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

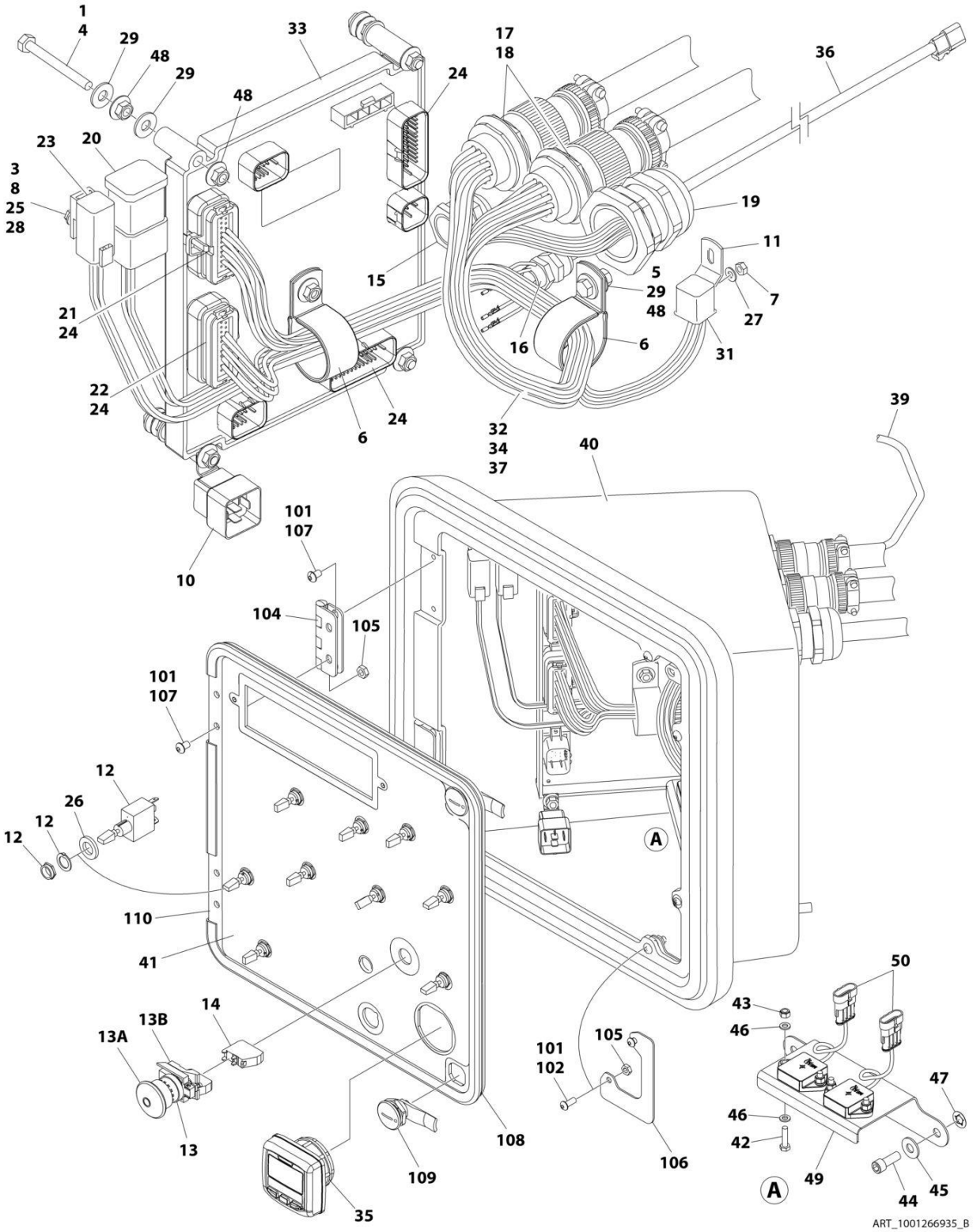
## FIGURE 2-32. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES (WITH TOWER STOW)(CE & UK CA SPECS)



## FIGURE 2-32. GROUND CONTROL BOX INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES (WITH TOWER STOW)(CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267658 | Ref | GROUND CONTROL BOX INSTALLATION | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641607 | 5 | Bolt 3/8 x 7/8 | |
| 3 | 3931616 | 2 | Capscrew 3/8 x 1 | |
| 4 | 4460496 | 1 | Terminal, Washer | |
| 5 | 4460497 | 1 | Terminal, Nut | |
| 6 | 4751600 | 7 | Washer 3/8 | |
| 7 | 1001114487 | 1 | Bracket, Mounting | |
| 8 | 1001265869 | 1 | Ground Controls Assembly (See Separate Breakdown in this Section) | |
| 9 | 4240017 | AR | Tie-Strap (Not Shown) | |
| 10 | 4460234 | AR | Mount, Tie-Strap (Not Shown) | |
| 11 | 1001288110 | 1 | Harness, Diagnostic (See Separate Breakdown in ELECTRICAL Section) | |

## FIGURE 2-33. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH DIGITAL DISPLAY (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)



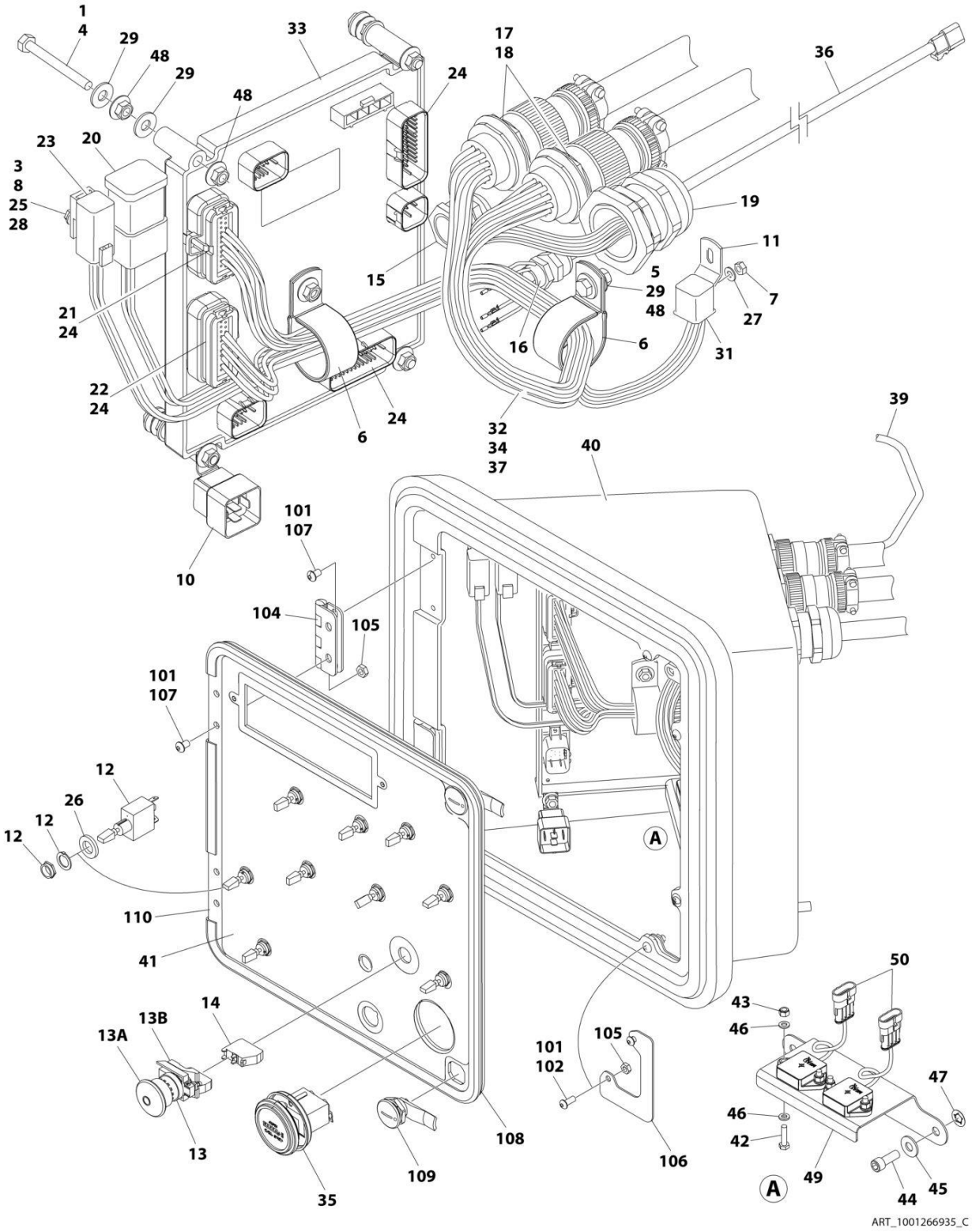
## FIGURE 2-33. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH DIGITAL DISPLAY (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266935 | Ref | GROUND CONTROL ASSEMBLY | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 1 | Connector, Strain Relief | |
| 16 | 4460428 | 1 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 4460526 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 4 | Connector, Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001171482 | 1 | Gauge, Display | |
| 36 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 39 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001265864 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 41 | 1001266941 | 1 | Decal - MTB | |
| 42 | 0760612 | 4 | Bolt M6 x 25 | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 43 | 3290605 | 4 | Nut, Lock M6 | |
| 44 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 45 | 4751600 | 2 | Washer 3/8 | |
| 46 | 4811700 | 8 | Washer M6 | |
| 47 | 8310070 | 2 | Pushnut 3/8 | |
| 48 | 77143013 | 11 | Nut 1/4 | |
| 49 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 50 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| | 1001265864 | Ref | BOX ASSEMBLY | A |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-34. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



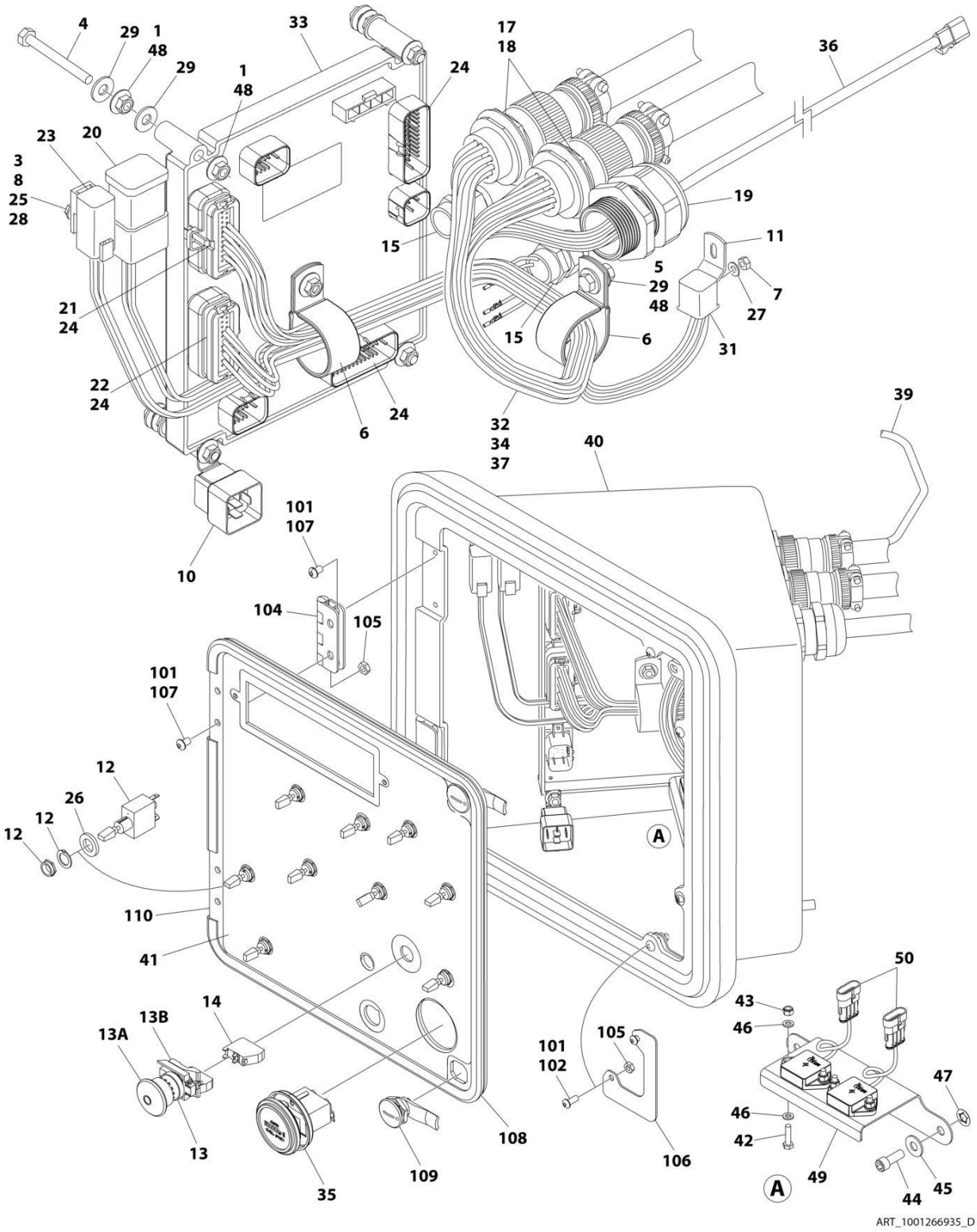
## FIGURE 2-34. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266935 | Ref | GROUND CONTROL ASSEMBLY | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 1 | Connector, Strain Relief | |
| 16 | 4460428 | 1 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 4460526 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 4 | Connector, Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 10836804 | 1 | Hour Meter | |
| 36 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 39 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001280410 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 41 | 1001266941 | 1 | Decal - MTB | |
| 42 | 0760612 | 4 | Bolt M6 x 25 | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 43 | 3290605 | 4 | Nut, Lock M6 | |
| 44 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 45 | 4751600 | 2 | Washer 3/8 | |
| 46 | 4811700 | 8 | Washer M6 | |
| 47 | 8310070 | 2 | Pushnut 3/8 | |
| 48 | 77143013 | 11 | Nut 1/4 | |
| 49 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 50 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| | 1001265864 | Ref | BOX ASSEMBLY | A |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-35. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



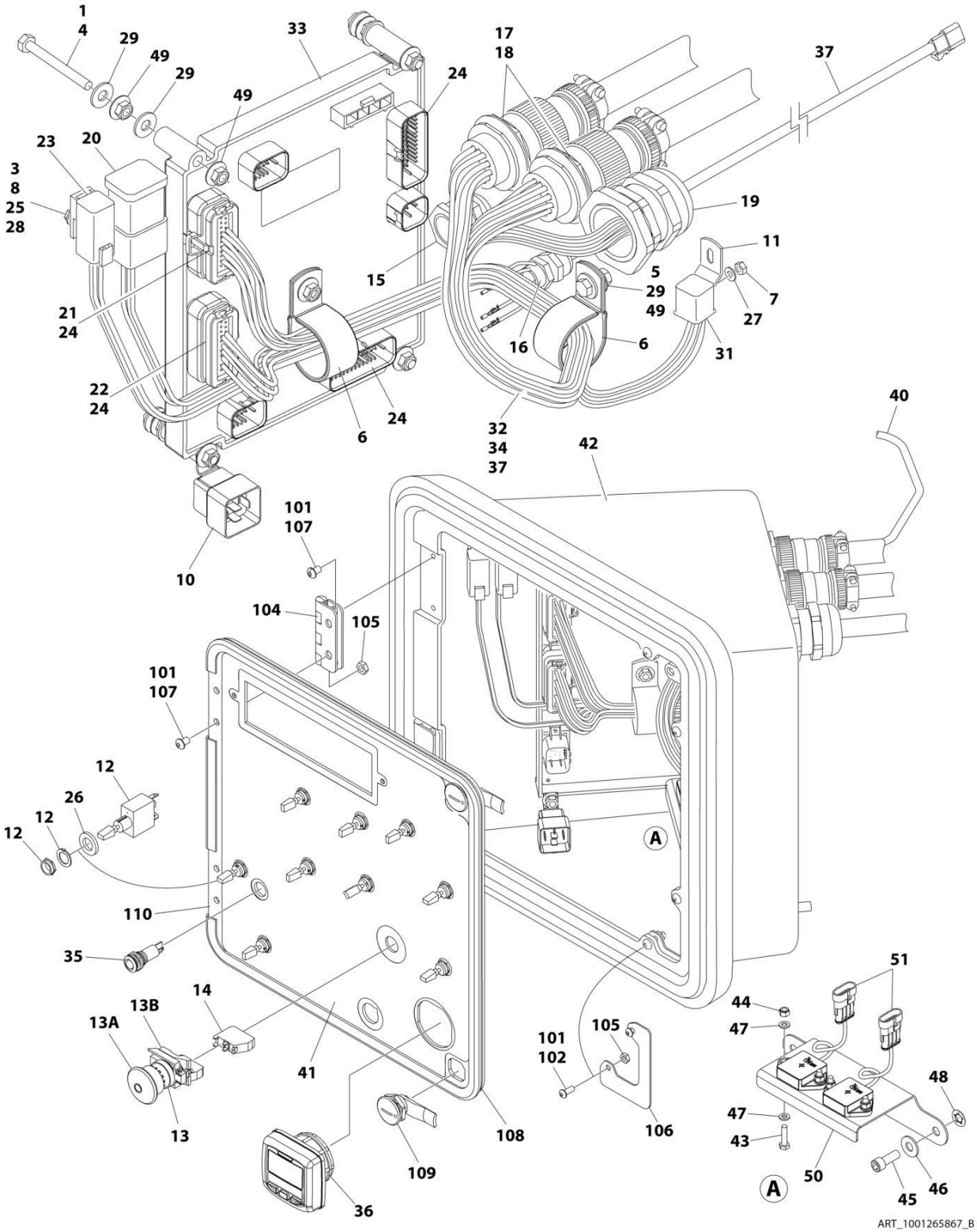
## FIGURE 2-35. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITHOUT TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266935 | Ref | GROUND CONTROL ASSEMBLY | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 2 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 1001215836 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 16 | Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 10836804 | 1 | Hour Meter | |
| 36 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 39 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001280410 | 1 | Box Assembly (See Items 101-110 for Breakdown) | C |
| 41 | 1001266941 | 1 | Decal - MTB | |
| 42 | 0760612 | 4 | Bolt M6 x 25 | |
| 43 | 3290605 | 4 | Nut, Lock M6 | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 45 | 4751600 | 2 | Washer 3/8 | |
| 46 | 4811700 | 8 | Washer M6 | |
| 47 | 8310070 | 2 | Pushnut 3/8 | |
| 48 | 77143013 | 11 | Nut 1/4 | |
| 49 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 50 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 51 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 51 | 4460871 | 2 | Socket | |
| | 1001265864 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-36. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH DIGITAL DISPLAY (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)



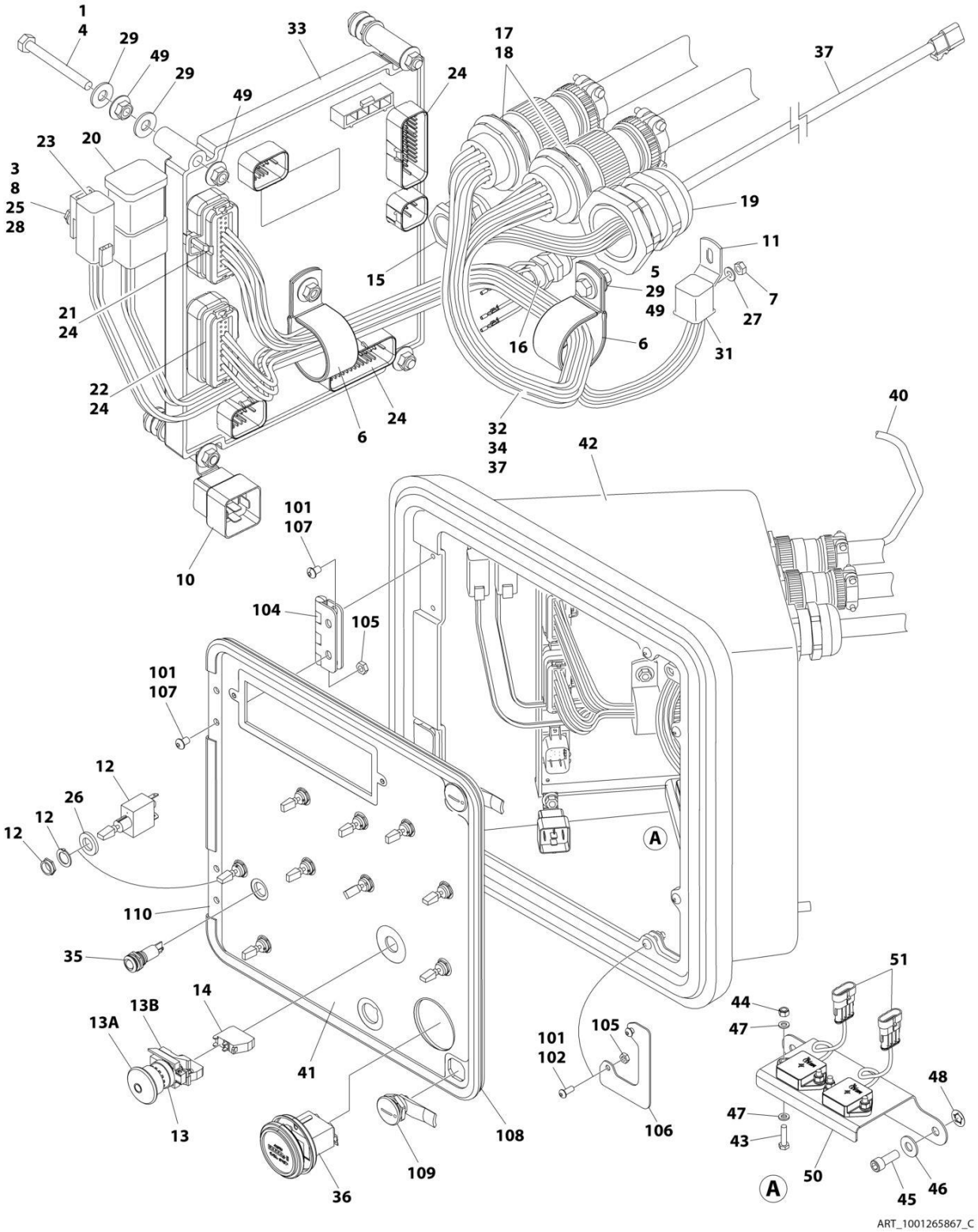
## FIGURE 2-36. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH DIGITAL DISPLAY (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265867 | Ref | GROUND CONTROL ASSEMBLY | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 1 | Connector, Strain Relief | |
| 16 | 4460428 | 1 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 4460526 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 4 | Connector, Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 36 | 1001171482 | 1 | Gauge, Display | |
| 37 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 40 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001265854 | 1 | Decal - MTB | |
| 42 | 1001265864 | 1 | Box Assembly | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 43 | 0760612 | 4 | Bolt M6 x 25 | |
| 44 | 3290605 | 4 | Nut, Lock M6 | |
| 45 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 46 | 4751600 | 2 | Washer 3/8 | |
| 47 | 4811700 | 8 | Washer M6 | |
| 48 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 49 | 77143013 | 11 | Nut 1/4 | |
| 50 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 51 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| | 1001265864 | Ref | BOX ASSEMBLY | A |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-37. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)



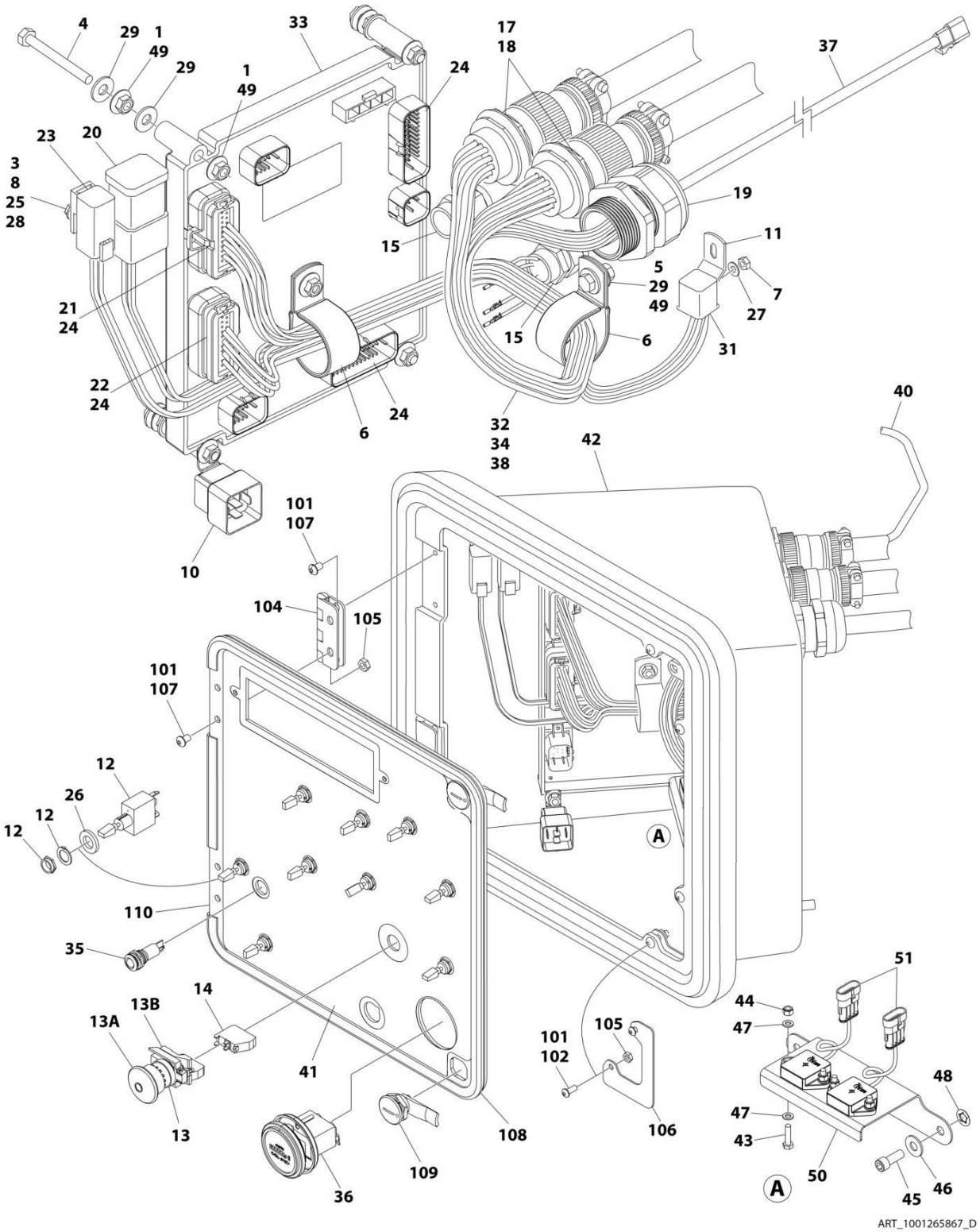
## FIGURE 2-37. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265867 | Ref | GROUND CONTROL ASSEMBLY | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 1 | Connector, Strain Relief | |
| 16 | 4460428 | 1 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 4460526 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 4 | Connector, Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 36 | 10836804 | 1 | Hour Meter | |
| 37 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 40 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001265854 | 1 | Decal - MTB | |
| 42 | 1001280410 | 1 | Box Assembly | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 43 | 0760612 | 4 | Bolt M6 x 25 | |
| 44 | 3290605 | 4 | Nut, Lock M6 | |
| 45 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 46 | 4751600 | 2 | Washer 3/8 | |
| 47 | 4811700 | 8 | Washer M6 | |
| 48 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 49 | 77143013 | 11 | Nut 1/4 | |
| 50 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 51 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| | 1001265864 | Ref | BOX ASSEMBLY | A |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-38. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



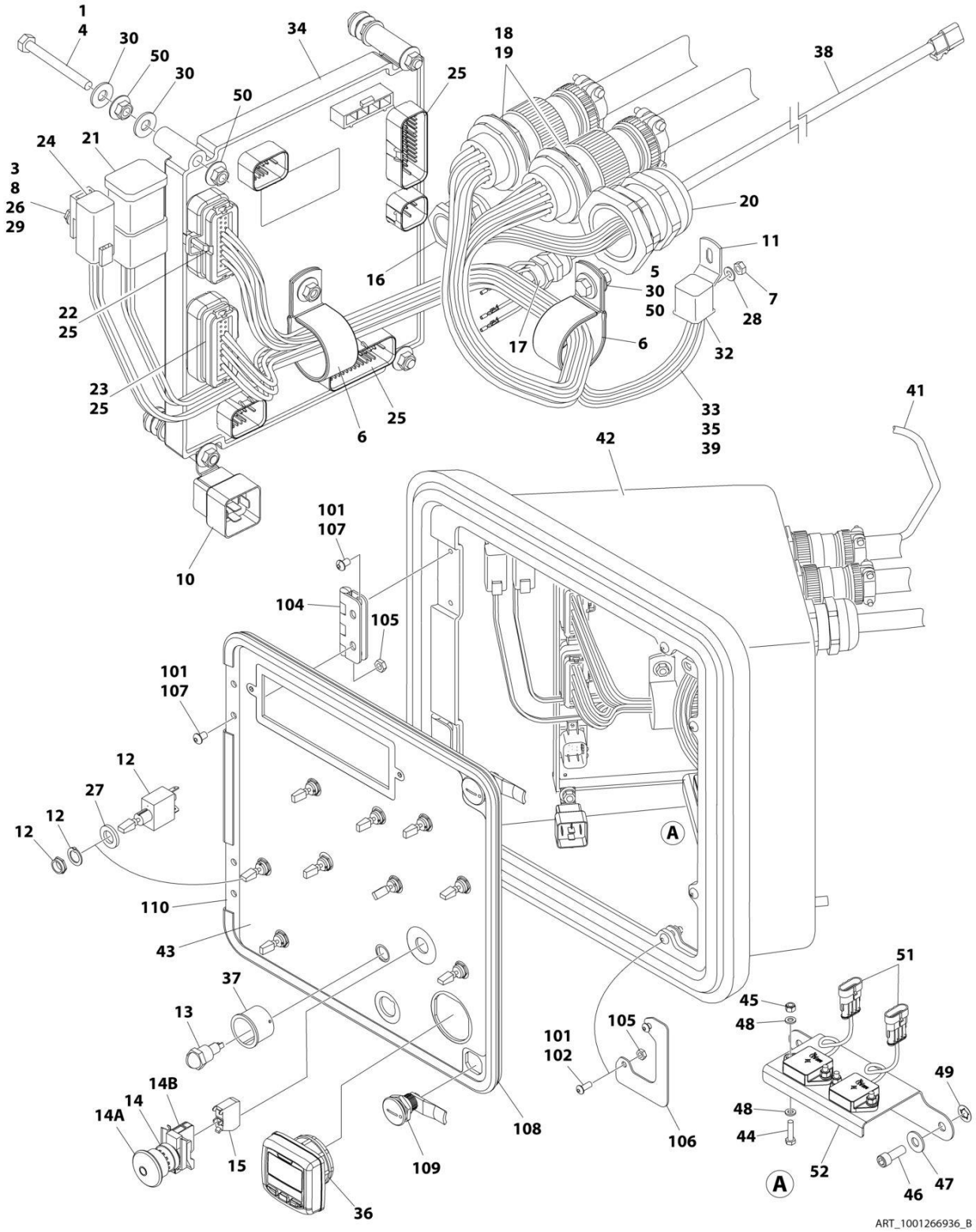
## FIGURE 2-38. GROUND CONTROL ASSEMBLY - WITH DEUTZ TD2011 AND DEUTZ TCD2.9L4 ENGINES - WITH MECHANICAL HOUR METER (WITH TOWER STOW) (ALL SPECS EXCEPT CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265867 | Ref | GROUND CONTROL ASSEMBLY | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 13A | 7020175 | 1 | Cap | |
| 13B | 7020176 | 1 | Block, Contact | |
| 14 | 4360476 | 1 | Block, Contact | |
| 15 | 4460425 | 2 | Connector, Strain Relief | |
| 17 | 4460470 | 2 | Nut, Terminal | |
| 18 | 4460471 | 2 | Washer, Terminal | |
| 19 | 1001215836 | 1 | Connector, Strain Relief | |
| 20 | 4460837 | 1 | Connector - 12 Pin | |
| 21 | 4460874 | 1 | Connector, White | |
| 22 | 4460875 | 1 | Connector, Gray | |
| 23 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 24 | 4460905 | 16 | Plug | |
| 25 | 4460914 | 2 | Base, Terminal | |
| 26 | 4740397 | 9 | Washer | |
| 27 | 4750600 | 1 | Washer #6 | |
| 28 | 4751000 | 2 | Washer #10 | |
| 29 | 4751400 | 11 | Washer 1/4 | |
| 31 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 32 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 34 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 36 | 10836804 | 1 | Hour Meter | |
| 37 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 40 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001265854 | 1 | Decal - MTB | |
| 42 | 1001280410 | 1 | Box Assembly | |
| 43 | 0760612 | 4 | Bolt M6 x 25 | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 3290605 | 4 | Nut, Lock M6 | |
| 45 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 46 | 4751600 | 2 | Washer 3/8 | |
| 47 | 4811700 | 8 | Washer M6 | |
| 48 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 49 | 77143013 | 11 | Nut 1/4 | |
| 50 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 51 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 52 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 52 | 4460871 | 2 | Socket | |
| | 1001265864 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265859 | 1 | Panel, MTB | |

## FIGURE 2-39. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITHOUT TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



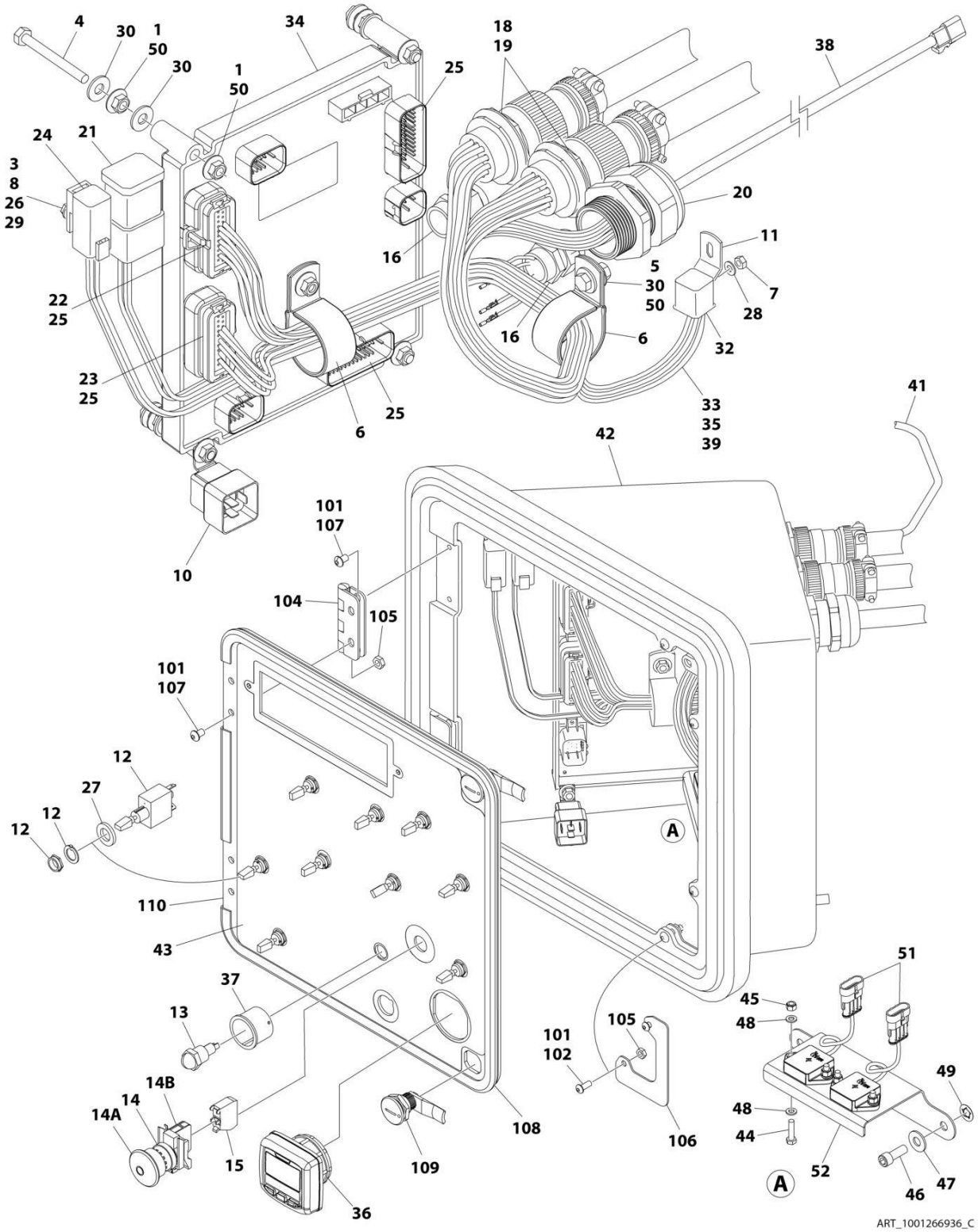
## FIGURE 2-39. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITHOUT TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266936 | Ref | GROUND CONTROL ASSEMBLY | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360387 | 1 | Switch, Yellow Push Button | |
| 14 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 14A | 7020175 | 1 | Cap | |
| 14B | 7020176 | 1 | Block, Contact | |
| 15 | 4360476 | 1 | Block, Contact | |
| 16 | 4460425 | 1 | Connector, Strain Relief | |
| 17 | 4460428 | 1 | Connector, Strain Relief | |
| 18 | 4460470 | 2 | Nut, Terminal | |
| 19 | 4460471 | 2 | Washer, Terminal | |
| 20 | 4460526 | 1 | Connector, Strain Relief | |
| 21 | 4460837 | 1 | Connector - 12 Pin | |
| 22 | 4460874 | 1 | Connector, White | |
| 23 | 4460875 | 1 | Connector, Gray | |
| 24 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 25 | 4460905 | 4 | Connector, Plug | |
| 26 | 4460914 | 2 | Base, Terminal | |
| 27 | 4740397 | 9 | Washer | |
| 28 | 4750600 | 1 | Washer #6 | |
| 29 | 4751000 | 2 | Washer #10 | |
| 30 | 4751400 | 11 | Washer 1/4 | |
| 32 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 35 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 36 | 1001171482 | 1 | Gauge, Display | |
| 37 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 38 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 41 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 42 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 43 | 1001266942 | 1 | Decal - MTB | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 0760612 | 4 | Bolt M6 x 25 | |
| 45 | 3290605 | 4 | Nut, Lock M6 | |
| 46 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 47 | 4751600 | 2 | Washer 3/8 | |
| 48 | 4811700 | 8 | Washer M6 | |
| 49 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 50 | 77143013 | 11 | Nut 1/4 | |
| 51 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 52 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| | 1001265865 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265860 | 1 | Panel, MTB | |

## FIGURE 2-40. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITHOUT TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



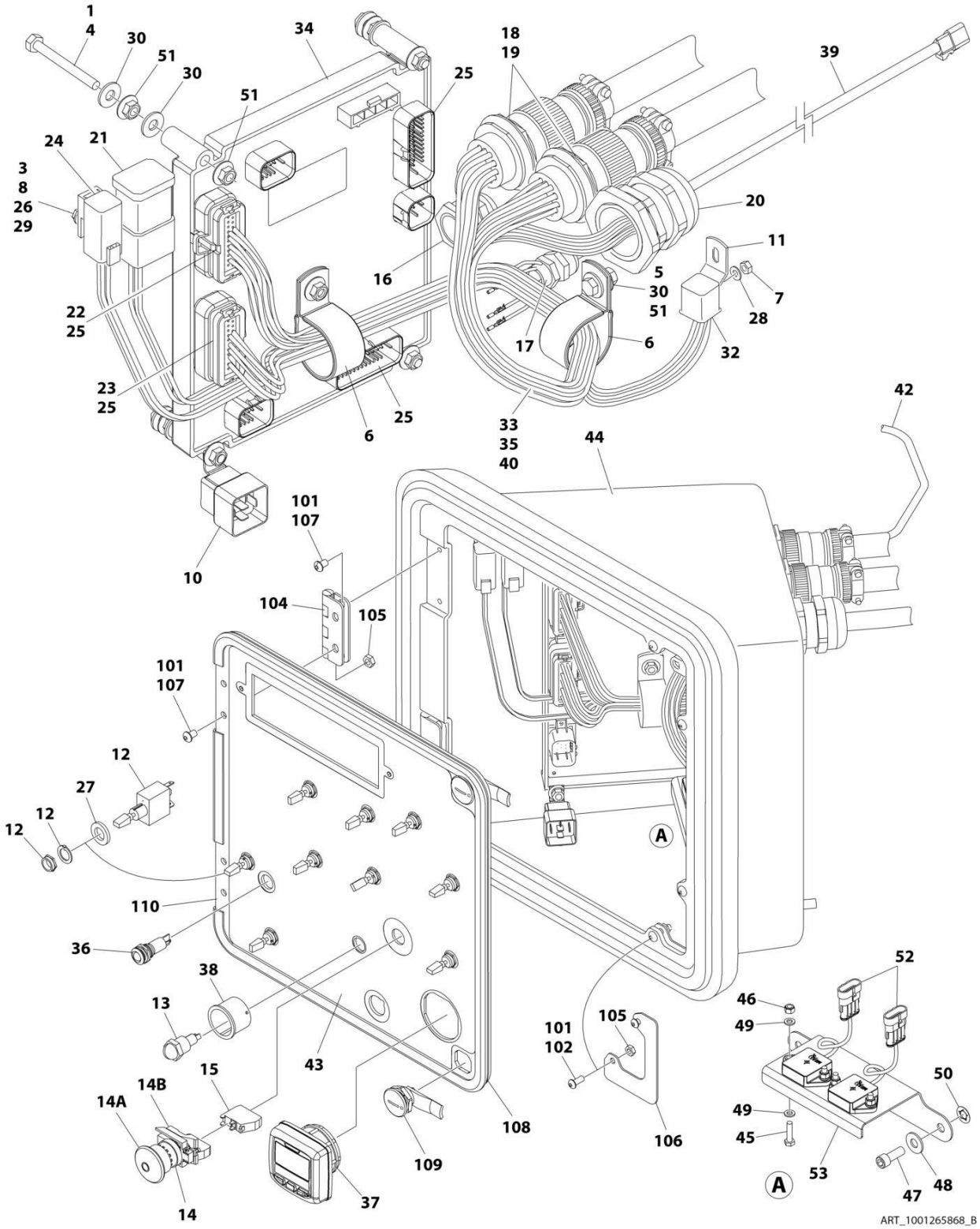
## FIGURE 2-40. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITHOUT TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266936 | Ref | GROUND CONTROL ASSEMBLY | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360387 | 1 | Switch, Yellow Push Button | |
| 14 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 14A | 7020175 | 1 | Cap | |
| 14B | 7020176 | 1 | Block, Contact | |
| 15 | 4360476 | 1 | Block, Contact | |
| 16 | 4460425 | 2 | Connector, Strain Relief | |
| 18 | 4460470 | 2 | Nut, Terminal | |
| 19 | 4460471 | 2 | Washer, Terminal | |
| 20 | 1001215836 | 1 | Connector, Strain Relief | |
| 21 | 4460837 | 1 | Connector - 12 Pin | |
| 22 | 4460874 | 1 | Connector, White | |
| 23 | 4460875 | 1 | Connector, Gray | |
| 24 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 25 | 4460905 | 16 | Plug | |
| 26 | 4460914 | 2 | Base, Terminal | |
| 27 | 4740397 | 9 | Washer | |
| 28 | 4750600 | 1 | Washer #6 | |
| 29 | 4751000 | 2 | Washer #10 | |
| 30 | 4751400 | 11 | Washer 1/4 | |
| 32 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 35 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 36 | 1001171482 | 1 | Gauge, Display | |
| 37 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 38 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 41 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 42 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 43 | 1001266942 | 1 | Decal - MTB | |
| 44 | 0760612 | 4 | Bolt M6 x 25 | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 3290605 | 4 | Nut, Lock M6 | |
| 46 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 47 | 4751600 | 2 | Washer 3/8 | |
| 48 | 4811700 | 8 | Washer M6 | |
| 49 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 50 | 77143013 | 11 | Nut 1/4 | |
| 51 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 52 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 53 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 53 | 4460871 | 2 | Socket | |
| | 1001265865 | Ref | BOX ASSEMBLY | C |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001297396 | 1 | Panel, MTB | |

## FIGURE 2-41. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITH TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



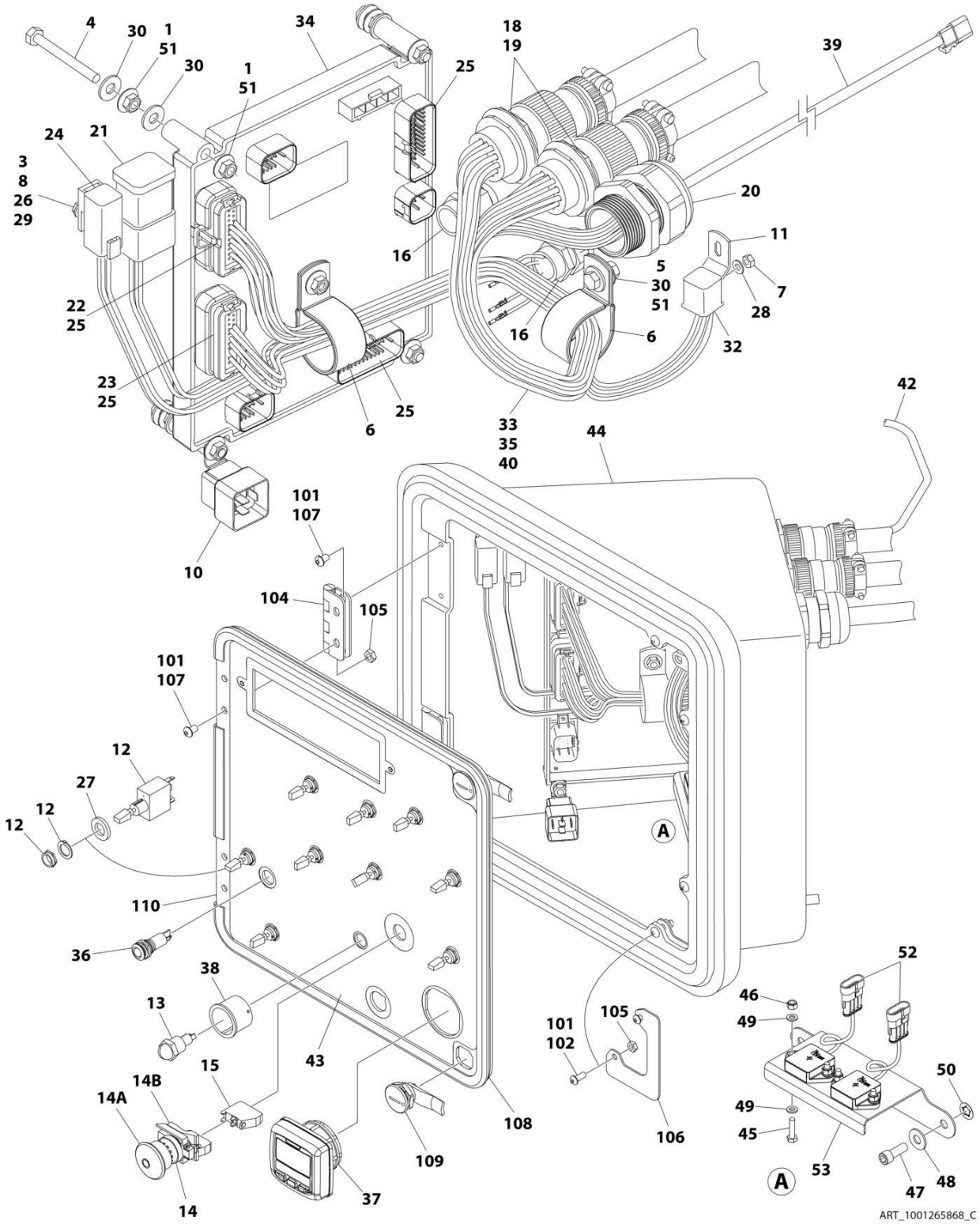
## FIGURE 2-41. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITH TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265868 | Ref | GROUND CONTROL ASSEMBLY | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360387 | 1 | Switch, Yellow Push Button | |
| 14 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 14A | 7020175 | 1 | Cap | |
| 14B | 7020176 | 1 | Block, Contact | |
| 15 | 4360476 | 1 | Block, Contact | |
| 16 | 4460425 | 1 | Connector, Strain Relief | |
| 17 | 4460428 | 1 | Connector, Strain Relief | |
| 18 | 4460470 | 2 | Nut, Terminal | |
| 19 | 4460471 | 2 | Washer, Terminal | |
| 20 | 4460526 | 1 | Connector, Strain Relief | |
| 21 | 4460837 | 1 | Connector - 12 Pin | |
| 22 | 4460874 | 1 | Connector, White | |
| 23 | 4460875 | 1 | Connector, Gray | |
| 24 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 25 | 4460905 | 4 | Connector, Plug | |
| 26 | 4460914 | 2 | Base, Terminal | |
| 27 | 4740397 | 9 | Washer | |
| 28 | 4750600 | 1 | Washer #6 | |
| 29 | 4751000 | 2 | Washer #10 | |
| 30 | 4751400 | 11 | Washer 1/4 | |
| 32 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 35 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 36 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 37 | 1001171482 | 1 | Gauge, Display | |
| 38 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 39 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 42 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 43 | 1001265855 | 1 | Decal, MTB | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 1001265865 | 1 | Box Assembly | |
| 45 | 0760612 | 4 | Bolt M6 x 25 | |
| 46 | 3290605 | 4 | Nut, Lock M6 | |
| 47 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 48 | 4751600 | 2 | Washer 3/8 | |
| 49 | 4811700 | 8 | Washer M6 | |
| 50 | 8310070 | 2 | Pushnut 3/8 | |
| 51 | 77143013 | 11 | Nut 1/4 | |
| 52 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 53 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| | 1001265865 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265860 | 1 | Panel, MTB | |

## FIGURE 2-42. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITH TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



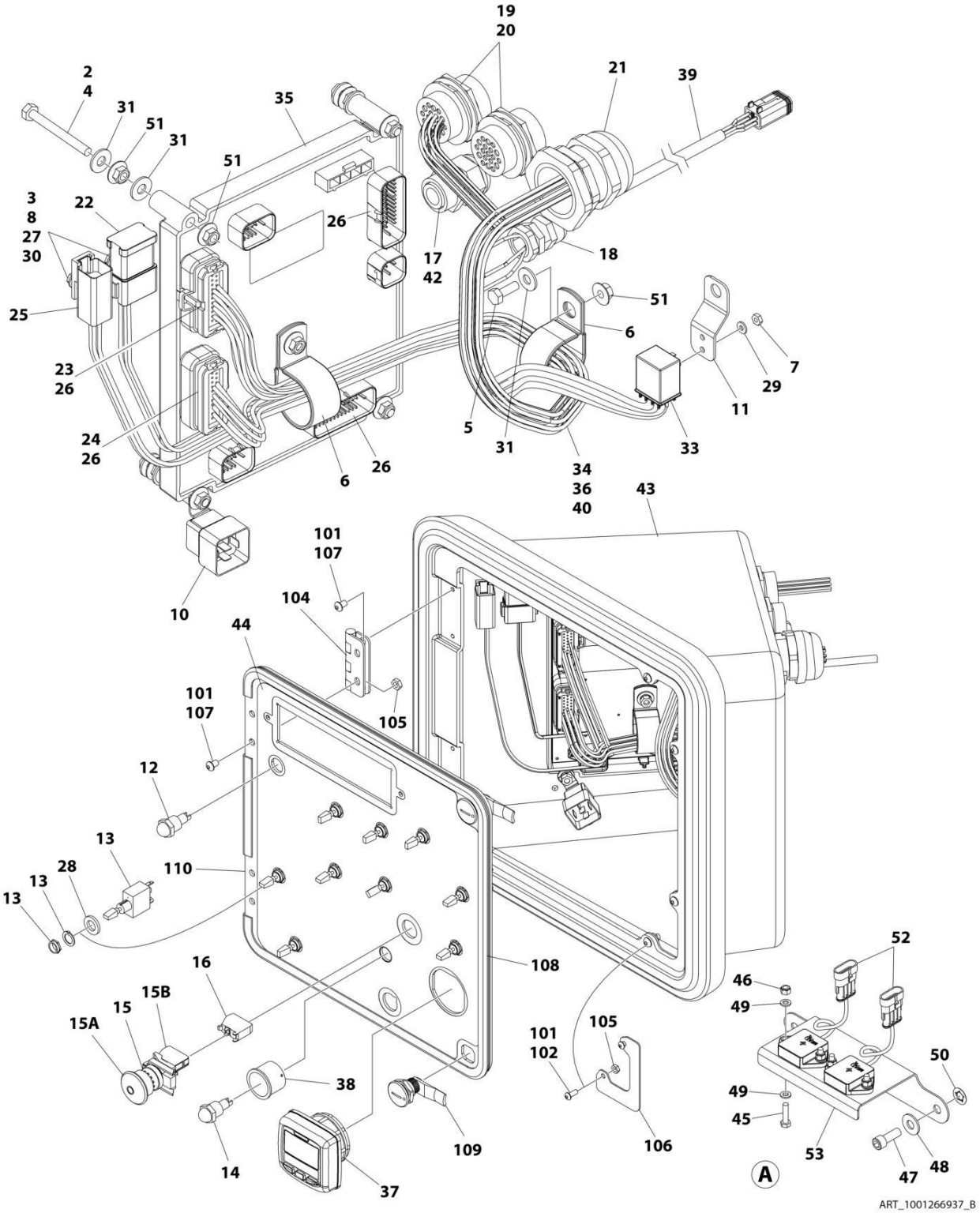
## FIGURE 2-42. GROUND CONTROL ASSEMBLY - DEUTZ TD2011 ENGINES (WITH TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265868 | Ref | GROUND CONTROL ASSEMBLY | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360328 | 9 | Switch, Toggle | |
| 13 | 4360387 | 1 | Switch, Yellow Push Button | |
| 14 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 14A | 7020175 | 1 | Cap | |
| 14B | 7020176 | 1 | Block, Contact | |
| 15 | 4360476 | 1 | Block, Contact | |
| 16 | 4460425 | 2 | Connector, Strain Relief | |
| 18 | 4460470 | 2 | Nut, Terminal | |
| 19 | 4460471 | 2 | Washer, Terminal | |
| 20 | 1001215836 | 1 | Connector, Strain Relief | |
| 21 | 4460837 | 1 | Connector - 12 Pin | |
| 22 | 4460874 | 1 | Connector, White | |
| 23 | 4460875 | 1 | Connector, Gray | |
| 24 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 25 | 4460905 | 16 | Plug | |
| 26 | 4460914 | 2 | Base, Terminal | |
| 27 | 4740397 | 9 | Washer | |
| 28 | 4750600 | 1 | Washer #6 | |
| 29 | 4751000 | 2 | Washer #10 | |
| 30 | 4751400 | 11 | Washer 1/4 | |
| 32 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 33 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 35 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 36 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 37 | 1001171482 | 1 | Gauge, Display | |
| 38 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 39 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 42 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 43 | 1001265855 | 1 | Decal, MTB | |
| 44 | 1001265865 | 1 | Box Assembly | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 0760612 | 4 | Bolt M6 x 25 | |
| 46 | 3290605 | 4 | Nut, Lock M6 | |
| 47 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 48 | 4751600 | 2 | Washer 3/8 | |
| 49 | 4811700 | 8 | Washer M6 | |
| 50 | 8310070 | 2 | Pushnut 3/8 | |
| 51 | 77143013 | 11 | Nut 1/4 | |
| 52 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 53 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 54 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 54 | 4460871 | 2 | Socket | |
| | 1001265865 | Ref | BOX ASSEMBLY | C |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001297396 | 1 | Panel, MTB | |

## FIGURE 2-43. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITHOUT TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



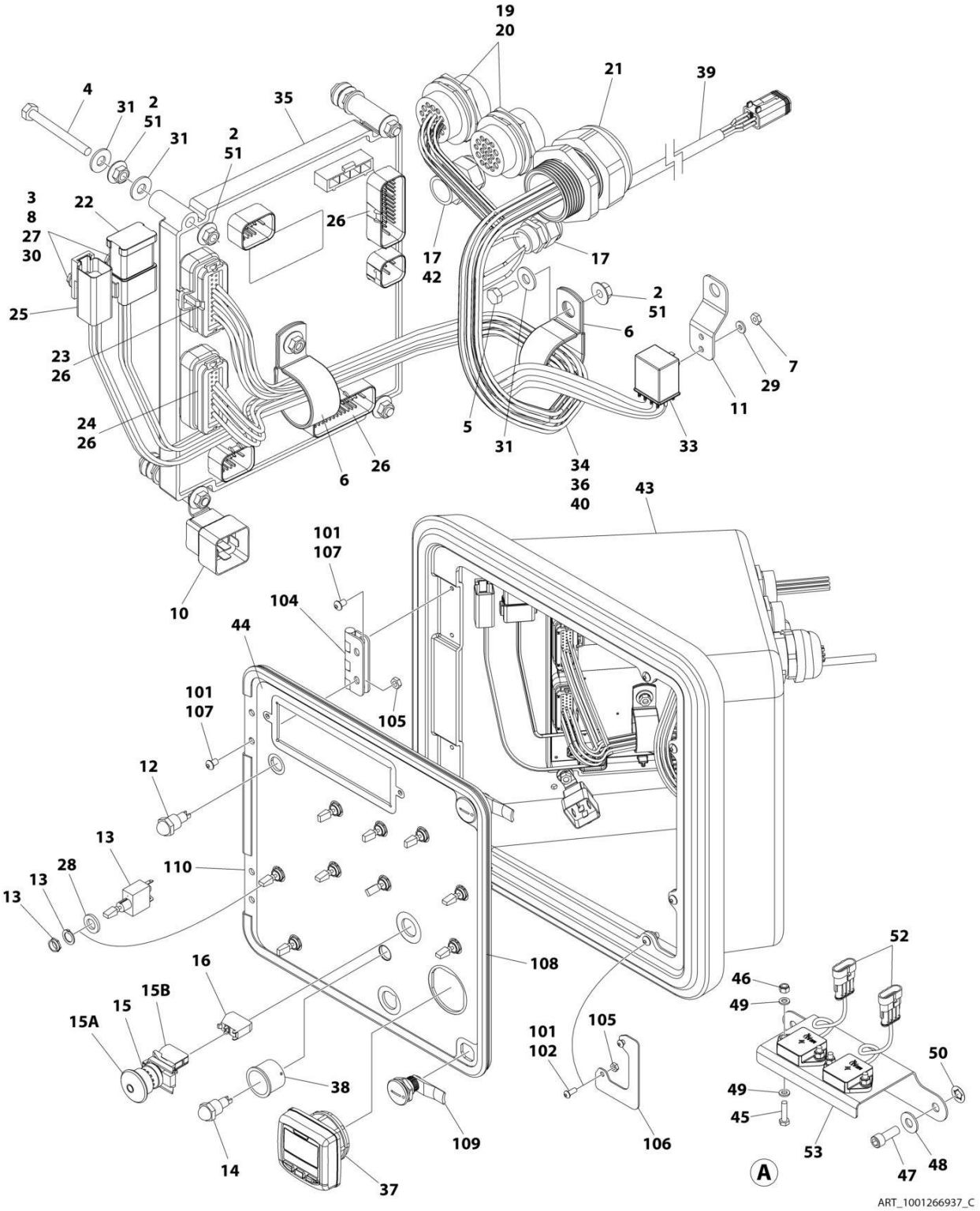
## FIGURE 2-43. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITHOUT TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266937 | Ref | GROUND CONTROL ASSEMBLY | B |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360274 | 1 | Switch, Gray Push Button | |
| 13 | 4360328 | 9 | Switch, Toggle | |
| 14 | 4360387 | 1 | Switch, Yellow Push Button | |
| 15 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 15A | 7020175 | 1 | Cap | |
| 15B | 7020176 | 1 | Block, Contact | |
| 16 | 4360476 | 1 | Block, Contact | |
| 17 | 4460425 | 1 | Connector, Strain Relief | |
| 18 | 4460428 | 1 | Connector, Strain Relief | |
| 19 | 4460470 | 2 | Nut, Terminal | |
| 20 | 4460471 | 2 | Washer, Terminal | |
| 21 | 4460526 | 1 | Connector, Strain Relief | |
| 22 | 4460837 | 1 | Connector - 12 Pin | |
| 23 | 4460874 | 1 | Connector, White | |
| 24 | 4460875 | 1 | Connector, Gray | |
| 25 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 26 | 4460905 | 4 | Connector, Plug | |
| 27 | 4460914 | 2 | Base, Terminal | |
| 28 | 4740397 | 9 | Spacer, Washer | |
| 29 | 4750600 | 1 | Washer #6 | |
| 30 | 4751000 | 2 | Washer #10 | |
| 31 | 4751400 | 11 | Washer 1/4 | |
| 33 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 36 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001171482 | 1 | Gauge, Display | |
| 38 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 39 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 42 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 43 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 1001266943 | 1 | Decal - MTB | |
| 45 | 0760612 | 4 | Bolt M6 x 25 | |
| 46 | 3290605 | 4 | Nut, Lock M6 | |
| 47 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 48 | 4751600 | 2 | Washer 3/8 | |
| 49 | 4811700 | 8 | Washer M6 | |
| 50 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 51 | 77143013 | 11 | Nut 1/4 | |
| 52 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 53 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| | 1001265865 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265860 | 1 | Panel, MTB | |

## FIGURE 2-44. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITHOUT TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



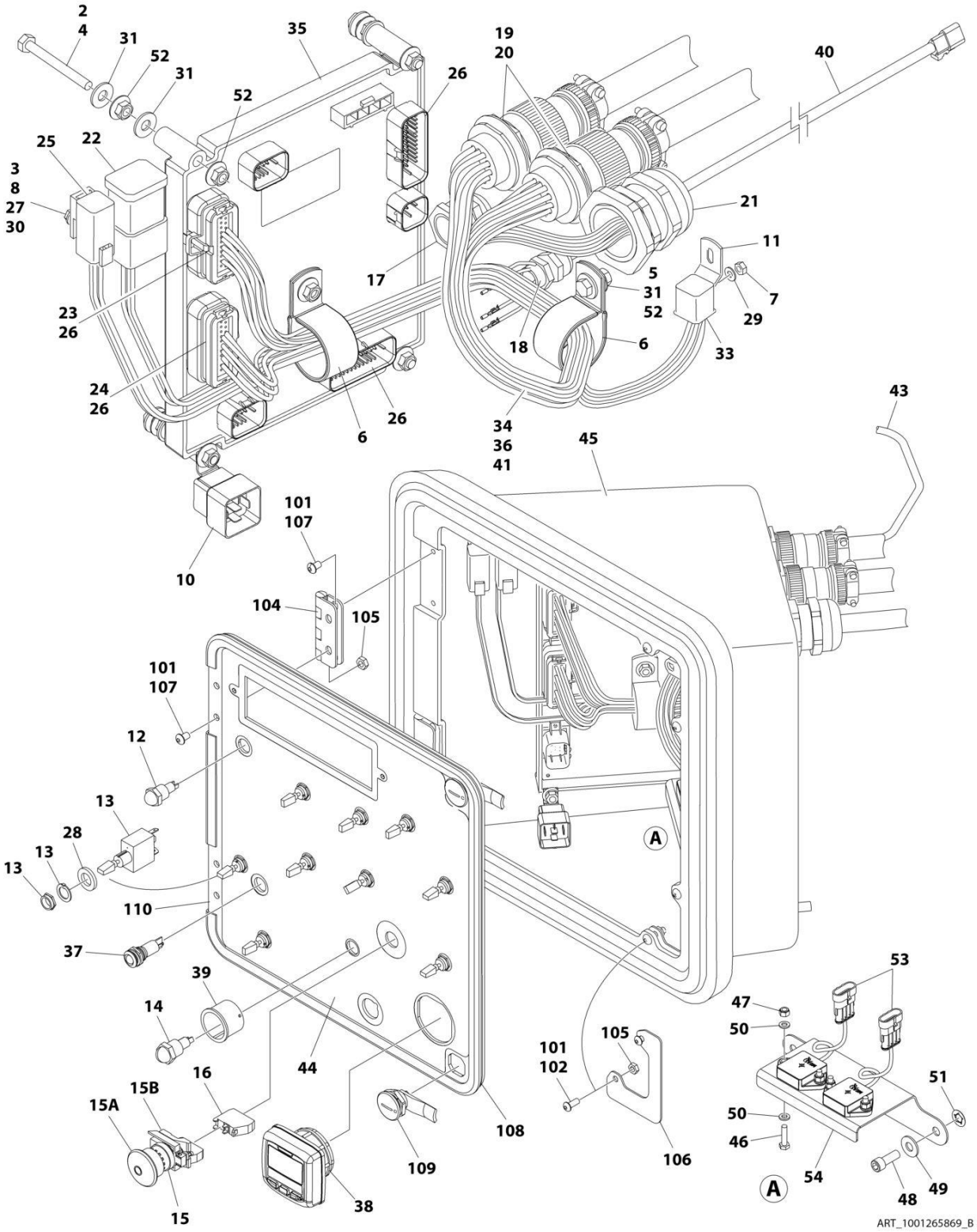
## FIGURE 2-44. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITHOUT TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266937 | Ref | GROUND CONTROL ASSEMBLY | C |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360274 | 1 | Switch, Gray Push Button | |
| 13 | 4360328 | 9 | Switch, Toggle | |
| 14 | 4360387 | 1 | Switch, Yellow Push Button | |
| 15 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 15A | 7020175 | 1 | Cap | |
| 15B | 7020176 | 1 | Block, Contact | |
| 16 | 4360476 | 1 | Block, Contact | |
| 17 | 4460425 | 2 | Connector, Strain Relief | |
| 19 | 4460470 | 2 | Nut, Terminal | |
| 20 | 4460471 | 2 | Washer, Terminal | |
| 21 | 1001215836 | 1 | Connector, Strain Relief | |
| 22 | 4460837 | 1 | Connector - 12 Pin | |
| 23 | 4460874 | 1 | Connector, White | |
| 24 | 4460875 | 1 | Connector, Gray | |
| 25 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 26 | 4460905 | 16 | Plug | |
| 27 | 4460914 | 2 | Base, Terminal | |
| 28 | 4740397 | 9 | Spacer, Washer | |
| 29 | 4750600 | 1 | Washer #6 | |
| 30 | 4751000 | 2 | Washer #10 | |
| 31 | 4751400 | 11 | Washer 1/4 | |
| 33 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 36 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001171482 | 1 | Gauge, Display | |
| 38 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 39 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 40 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 42 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 43 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 44 | 1001266943 | 1 | Decal - MTB | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 0760612 | 4 | Bolt M6 x 25 | |
| 46 | 3290605 | 4 | Nut, Lock M6 | |
| 47 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 48 | 4751600 | 2 | Washer 3/8 | |
| 49 | 4811700 | 8 | Washer M6 | |
| 50 | 8310070 | 2 | Pushnut 3/8 x 13/16 | |
| 51 | 77143013 | 11 | Nut 1/4 | |
| 52 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 53 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 54 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 54 | 4460871 | 2 | Socket | |
| | 1001265865 | Ref | BOX ASSEMBLY | C |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001297396 | 1 | Panel, MTB | |

## FIGURE 2-45. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITH TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



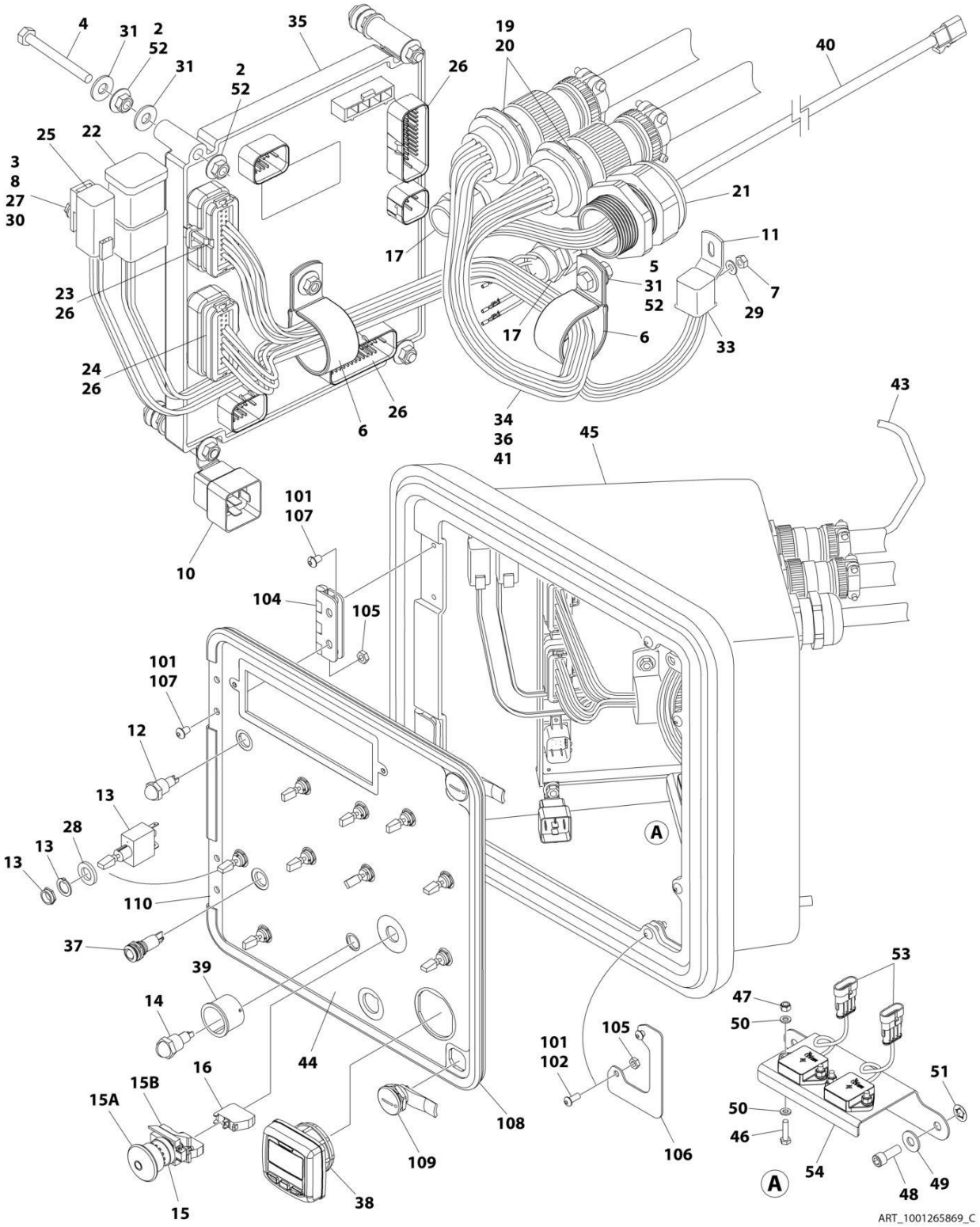
## FIGURE 2-45. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITH TOWER STOW) (CE & UK CA SPECS) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265869 | Ref | GROUND CONTROL ASSEMBLY | B |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360274 | 1 | Switch, Gray Push Button | |
| 13 | 4360328 | 9 | Switch, Toggle | |
| 14 | 4360387 | 1 | Switch, Yellow Push Button | |
| 15 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 15A | 7020175 | 1 | Cap | |
| 15B | 7020176 | 1 | Block, Contact | |
| 16 | 4360476 | 1 | Block, Contact | |
| 17 | 4460425 | 1 | Connector, Strain Relief | |
| 18 | 4460428 | 1 | Connector, Strain Relief | |
| 19 | 4460470 | 2 | Nut, Terminal | |
| 20 | 4460471 | 2 | Washer, Terminal | |
| 21 | 4460526 | 1 | Connector, Strain Relief | |
| 22 | 4460837 | 1 | Connector - 12 Pin | |
| 23 | 4460874 | 1 | Connector, White | |
| 24 | 4460875 | 1 | Connector, Gray | |
| 25 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 26 | 4460905 | 4 | Connector, Plug | |
| 27 | 4460914 | 2 | Base, Terminal | |
| 28 | 4740397 | 9 | Spacer, Washer | |
| 29 | 4750600 | 1 | Washer #6 | |
| 30 | 4751000 | 2 | Washer #10 | |
| 31 | 4751400 | 11 | Washer 1/4 | |
| 33 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 4923397 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 36 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 38 | 1001171482 | 1 | Gauge, Display | |
| 39 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 40 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001242324 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 42 | 1001248011 | 1 | Wiring Diagram (Not Shown) | |
| 43 | 1001279488 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 1001265856 | 1 | Decal - MTB | |
| 45 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 46 | 0760612 | 4 | Bolt M6 x 25 | |
| 47 | 3290605 | 4 | Nut, Lock M6 | |
| 48 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 49 | 4751600 | 2 | Washer 3/8 | |
| 50 | 4811700 | 8 | Washer M6 | |
| 51 | 8310070 | 2 | Pushnut 3/8 | |
| 52 | 77143013 | 11 | Nut 1/4 | |
| 53 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 54 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| | 1001265865 | Ref | BOX ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001265860 | 1 | Panel, MTB | |

## FIGURE 2-46. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITH TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



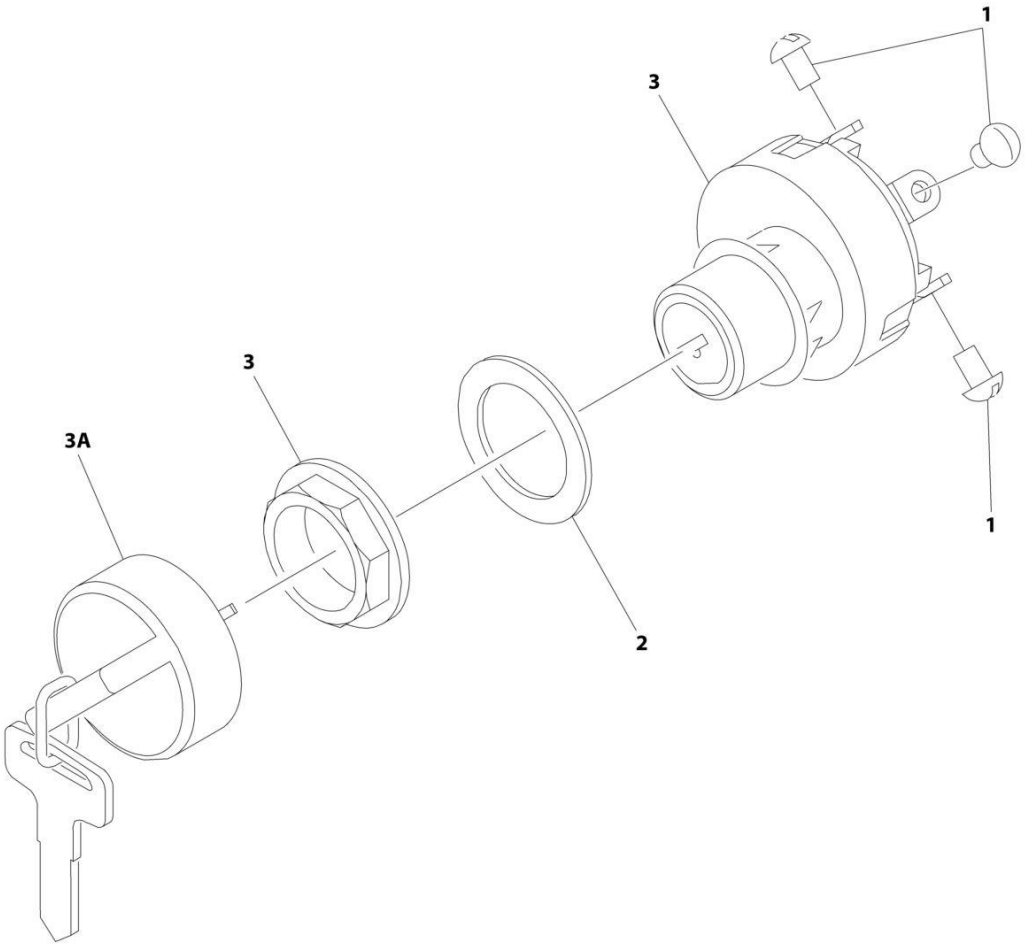
## FIGURE 2-46. GROUND CONTROL ASSEMBLY - DEUTZ TCD2.9L4 (STAGE V) (WITH TOWER STOW) (CE & UK CA SPECS) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265869 | Ref | GROUND CONTROL ASSEMBLY | C |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0630464 | 2 | Screw #10 x 1/2 | |
| 4 | 0630548 | 5 | Screw, Self Tapping | |
| 5 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 6 | 1320095 | 2 | Clamp | |
| 7 | 3310601 | 1 | Nut #6 | |
| 8 | 3311001 | 2 | Nut #10 | |
| 10 | 3740049 | 1 | Relay | |
| 11 | 4340832 | 1 | Mount, Relay | |
| 12 | 4360274 | 1 | Switch, Gray Push Button | |
| 13 | 4360328 | 9 | Switch, Toggle | |
| 14 | 4360387 | 1 | Switch, Yellow Push Button | |
| 15 | 4360475 | 1 | Switch, Push-Pull Emergency | |
| 15A | 7020175 | 1 | Cap | |
| 15B | 7020176 | 1 | Block, Contact | |
| 16 | 4360476 | 1 | Block, Contact | |
| 17 | 4460425 | 2 | Connector, Strain Relief | |
| 19 | 4460470 | 2 | Nut, Terminal | |
| 20 | 4460471 | 2 | Washer, Terminal | |
| 21 | 1001215836 | 1 | Connector, Strain Relief | |
| 22 | 4460837 | 1 | Connector - 12 Pin | |
| 23 | 4460874 | 1 | Connector, White | |
| 24 | 4460875 | 1 | Connector, Gray | |
| 25 | 4460892 | 1 | Connector, Buss Bar - 6 Position | |
| 26 | 4460905 | 16 | Plug | |
| 27 | 4460914 | 2 | Base, Terminal | |
| 28 | 4740397 | 9 | Spacer, Washer | |
| 29 | 4750600 | 1 | Washer #6 | |
| 30 | 4751000 | 2 | Washer #10 | |
| 31 | 4751400 | 11 | Washer 1/4 | |
| 33 | 4923036 | 1 | Harness, Relay (See Separate Breakdown in ELECTRICAL Section) | |
| 34 | 1001285274 | 1 | Harness, Valve (See Separate Breakdown in ELECTRICAL Section) | |
| 35 | 1001281100 | 1 | Module, Ground Control (Note: Re-calibration Required when Replaced) | |
| 36 | 1001119529 | 1 | Harness, Engine (See Separate Breakdown in ELECTRICAL Section) | |
| 37 | 1001137364 | 1 | Lamp, LED Indicator Green | |
| 38 | 1001171482 | 1 | Gauge, Display | |
| 39 | 1001176469 | 1 | Shroud, Push Button Switch | |
| 40 | 1001228497 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 41 | 1001287277 | 1 | Harness, Ground Control Box (See Separate Breakdown in ELECTRICAL Section) | |
| 42 | 1001288112 | 1 | Wiring Diagram (Not Shown) | |
| 43 | 1001288111 | 1 | Harness, ClearSky Ready (See Separate Breakdown in ELECTRICAL Section) | |
| 44 | 1001265856 | 1 | Decal - MTB | |

# SECTION 2 - TURNTABLE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 1001265865 | 1 | Box Assembly (See Items 101-110 for Breakdown) | |
| 46 | 0760612 | 4 | Bolt M6 x 25 | |
| 47 | 3290605 | 4 | Nut, Lock M6 | |
| 48 | 3931616 | 2 | Bolt 3/8 x 1 | |
| 49 | 4751600 | 2 | Washer 3/8 | |
| 50 | 4811700 | 8 | Washer M6 | |
| 51 | 8310070 | 2 | Pushnut 3/8 | |
| 52 | 77143013 | 11 | Nut 1/4 | |
| 53 | 1001219601 | 2 | Sensor, Tilt Dual Axis CAN | |
| 54 | 1001278483 | 1 | Bracket, Tilt Sensor | |
| 55 | 1001129334 | 1 | Harness, Jumper (Not Shown) | |
| 55 | 4460871 | 2 | Socket | |
| | 1001265865 | Ref | BOX ASSEMBLY | C |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0630407 | 4 | Screw 1/4 x 5/8 | |
| 104 | 2600279 | 2 | Hinge | |
| 105 | 3311402 | 8 | Nut 1/4 | |
| 106 | 3573144 | 2 | Plate, Latch | |
| 107 | 3900251 | 8 | Screw 1/4 x 3/8 | |
| 108 | 3960418 | 53 in/ 1.4m | Seal | |
| 109 | 1001242373 | 2 | Latch | |
| 110 | 1001297396 | 1 | Panel, MTB | |

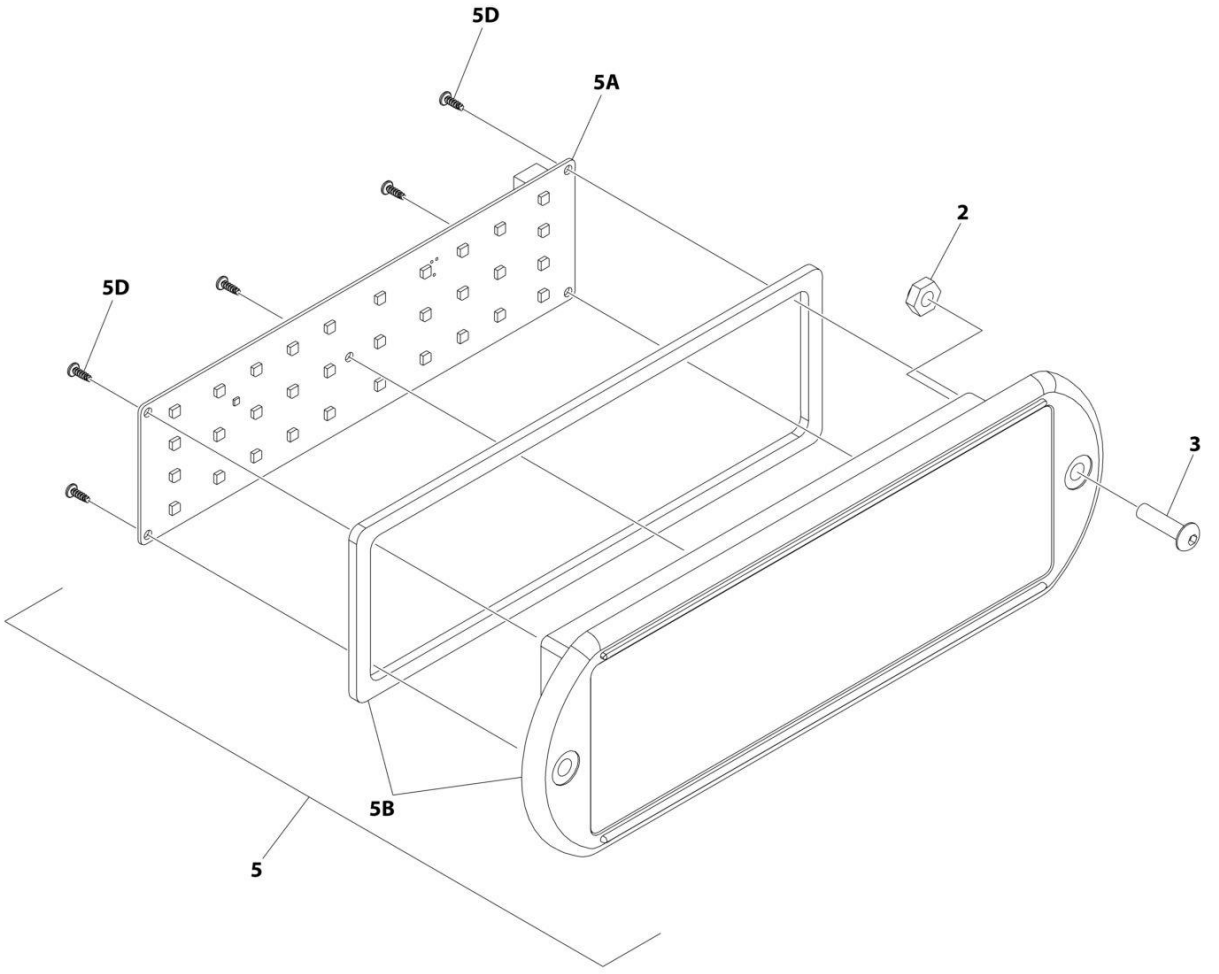
## FIGURE 2-47. KEYSWITCH INSTALLATION



## FIGURE 2-47. KEYSWITCH INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0259666 | Ref | KEYSWITCH INSTALLATION | B |
| 1 | 3910804 | 6 | Screw #8 x 1/8 | |
| 2 | 1001151393 | 1 | Shim .063 | |
| 3 | 4360469 | 1 | Keyswitch | |
| 3A | 2860030 | 1 | Key, Replacement | |

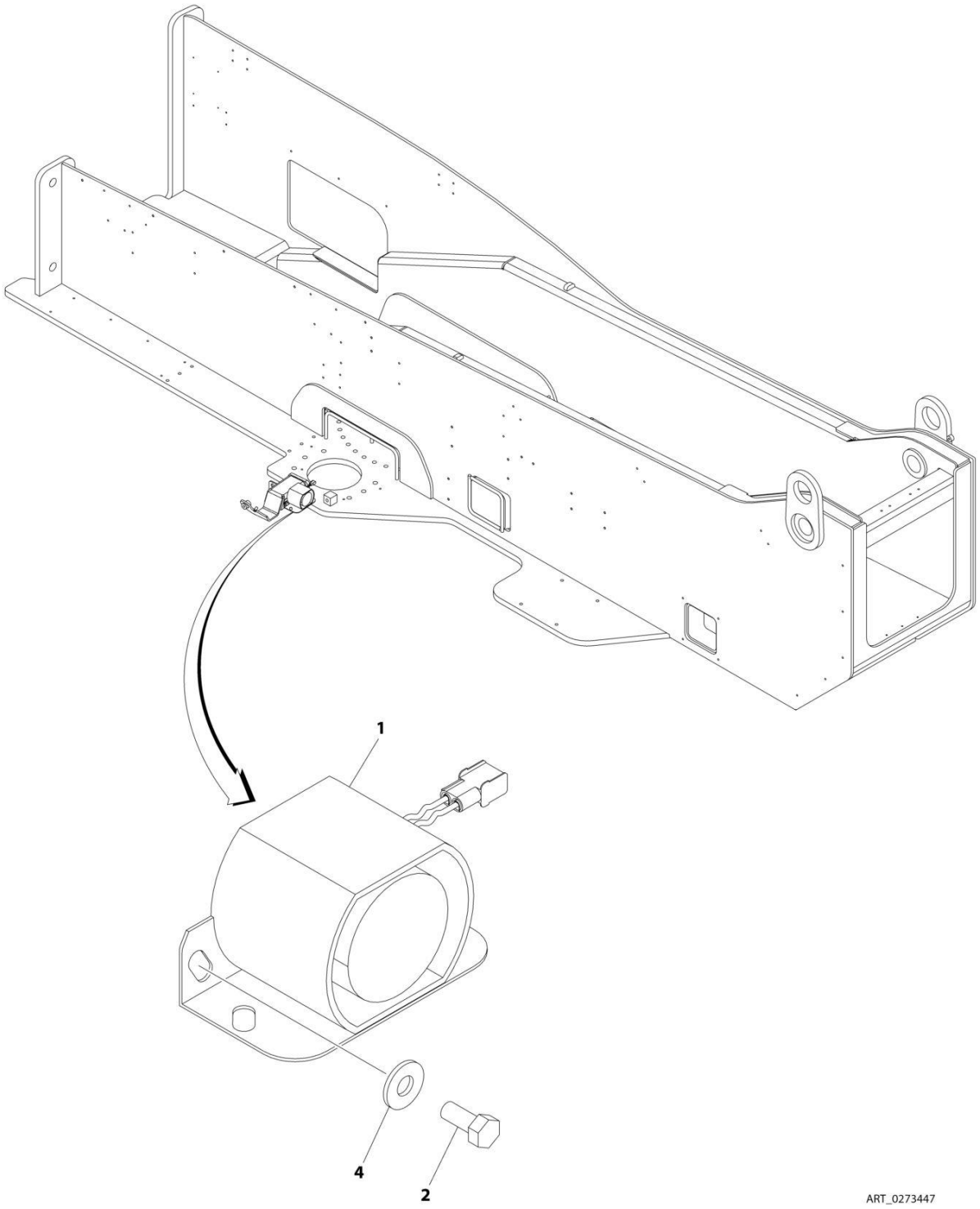
## FIGURE 2-48. LIGHT PANEL INSTALLATION



## FIGURE 2-48. LIGHT PANEL INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001233959 | Ref | LIGHT PANEL INSTALLATION | D |
| 2 | 3300408 | 2 | Nut, Nylon Insert | |
| 3 | 0630518 | 2 | Screw #10 x 3/4 | |
| 5 | 1001237546 | 1 | Light Panel Assembly | J |
| 5A | 1001282106 | 1 | Panel, LED Light | |
| 5B | 1001236091 | 1 | Lens, Icon (Includes Gasket) | |
| 5D | | Ref | Screw | |

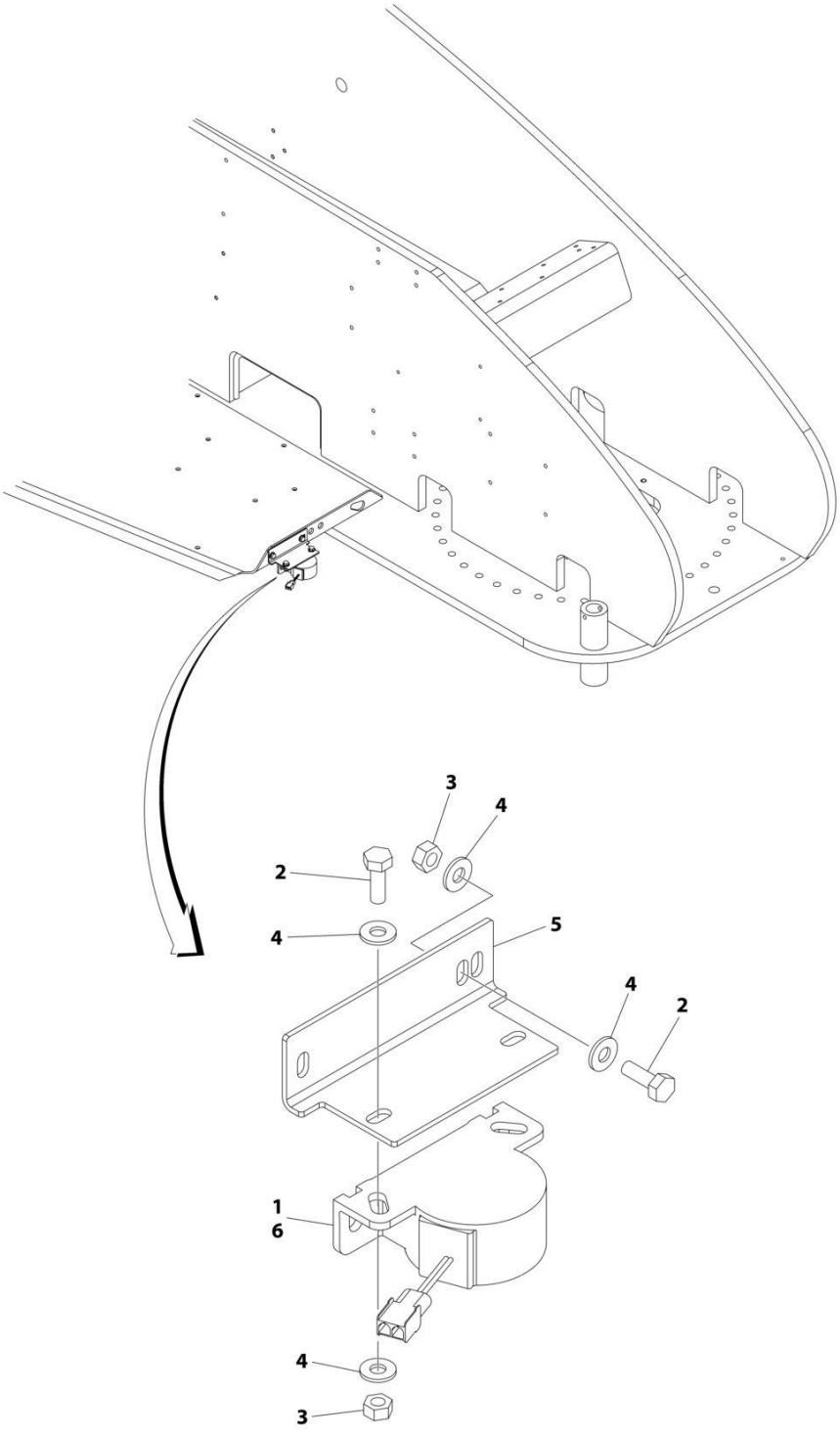
**FIGURE 2-49. ALARMS INSTALLATION**



## FIGURE 2-49. ALARMS INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273447 | Ref | ALARMS INSTALLATION | B |
| 1 | 0257887 | 1 | Alarm | |
| 1 | 0140032 | 1 | Alarm | |
| 1 | 2820035 | 6 in/15cm | Loom | |
| 1 | 4460424 | 1 | Plug | |
| 1 | 4460268 | 2 | Socket, Female | |
| 2 | 0641506 | 2 | Bolt 6/16 x 3/4 | |
| 4 | 4751500 | AR | Washer 5/16 | |

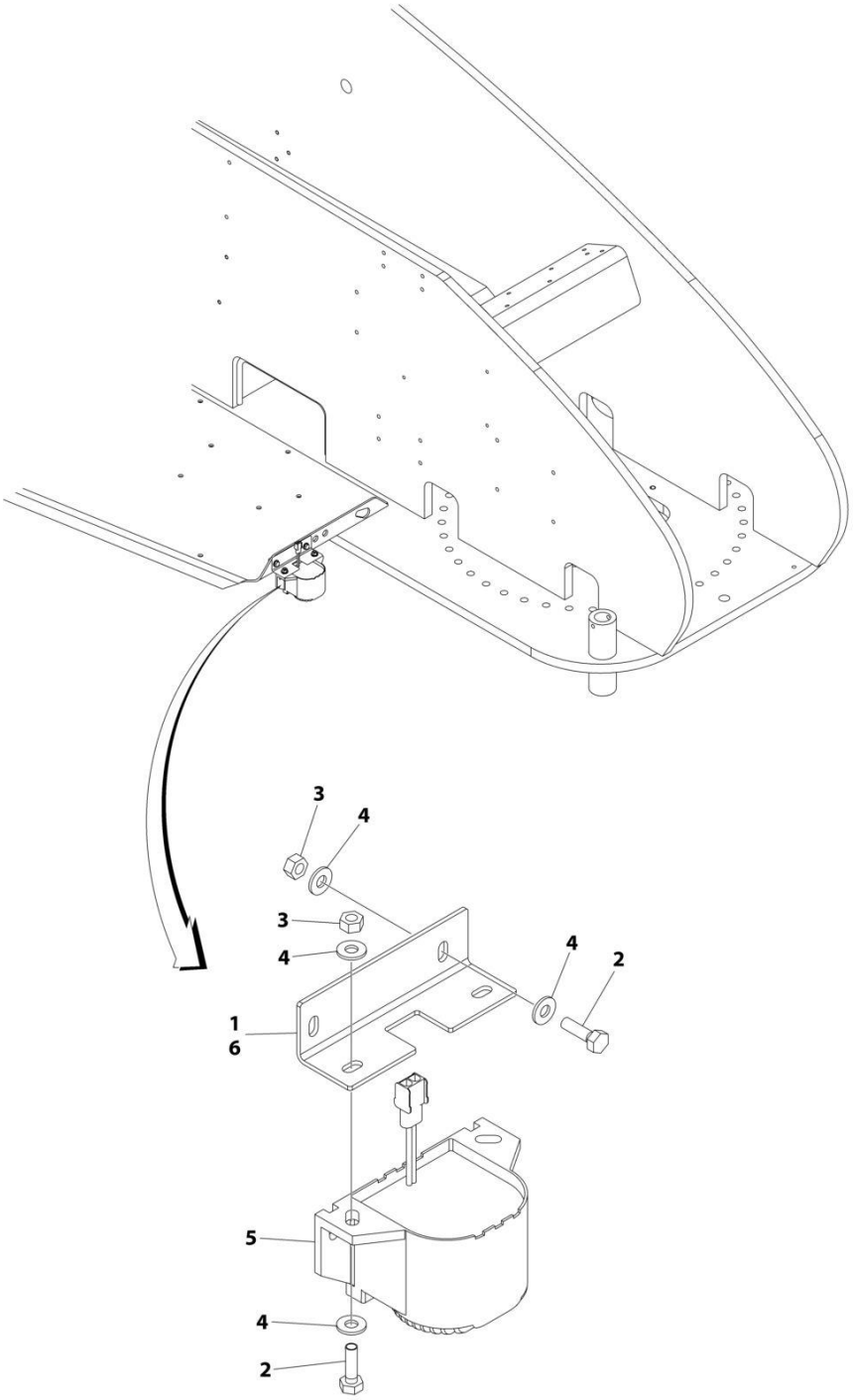
## FIGURE 2-50. BACKUP ALARM (WHITE NOISE) INSTALLATION



## FIGURE 2-50. BACKUP ALARM (WHITE NOISE) INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001239281 | Ref | BACKUP ALARM (WHITE NOISE) INSTALLATION | A |
| 1 | 0100048 | AR | Grease, Dielectric | |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 3311405 | 4 | Nut 1/4 | |
| 4 | 4711400 | 8 | Washer 1/4 | |
| 5 | 1001231886 | 1 | Plate | |
| 6 | 1001243734 | 1 | Alarm | |
| 6 | 1001184682 | 1 | Alarm | |
| 6 | 4460424 | 1 | Plug | |
| 6 | 4460268 | 2 | Socket, Female | |

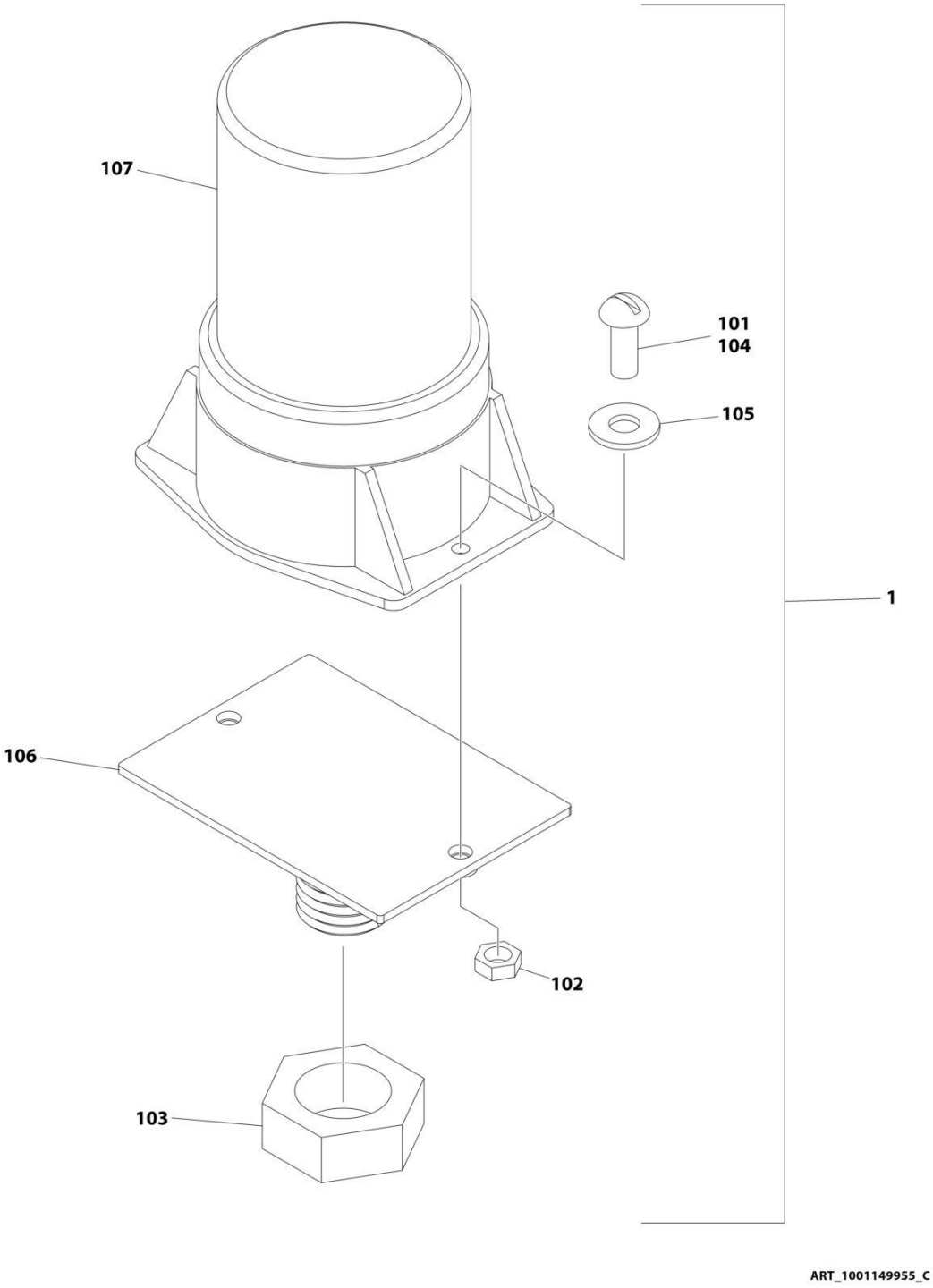
## FIGURE 2-51. BACKUP ALARM AMBIENT (WHITE NOISE) INSTALLATION



## FIGURE 2-51. BACKUP ALARM AMBIENT (WHITE NOISE) INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001241383 | Ref | ALARM AMBIENT (WHITE NOISE) INSTALLATION | A |
| 1 | 0100048 | AR | Grease, Dielectric | |
| 2 | 0641407 | 4 | Bolt 1/4 x 7/8 | |
| 3 | 3311405 | 4 | Nut 1/4 | |
| 4 | 4711400 | 8 | Washer 1/4 | |
| 5 | 1001243731 | 1 | Alarm | |
| 5 | 1001182806 | 1 | Alarm | |
| 5 | 4460424 | 1 | Plug | |
| 5 | 4460268 | 2 | Socket, Female | |
| 6 | 1001243849 | 1 | Plate | |

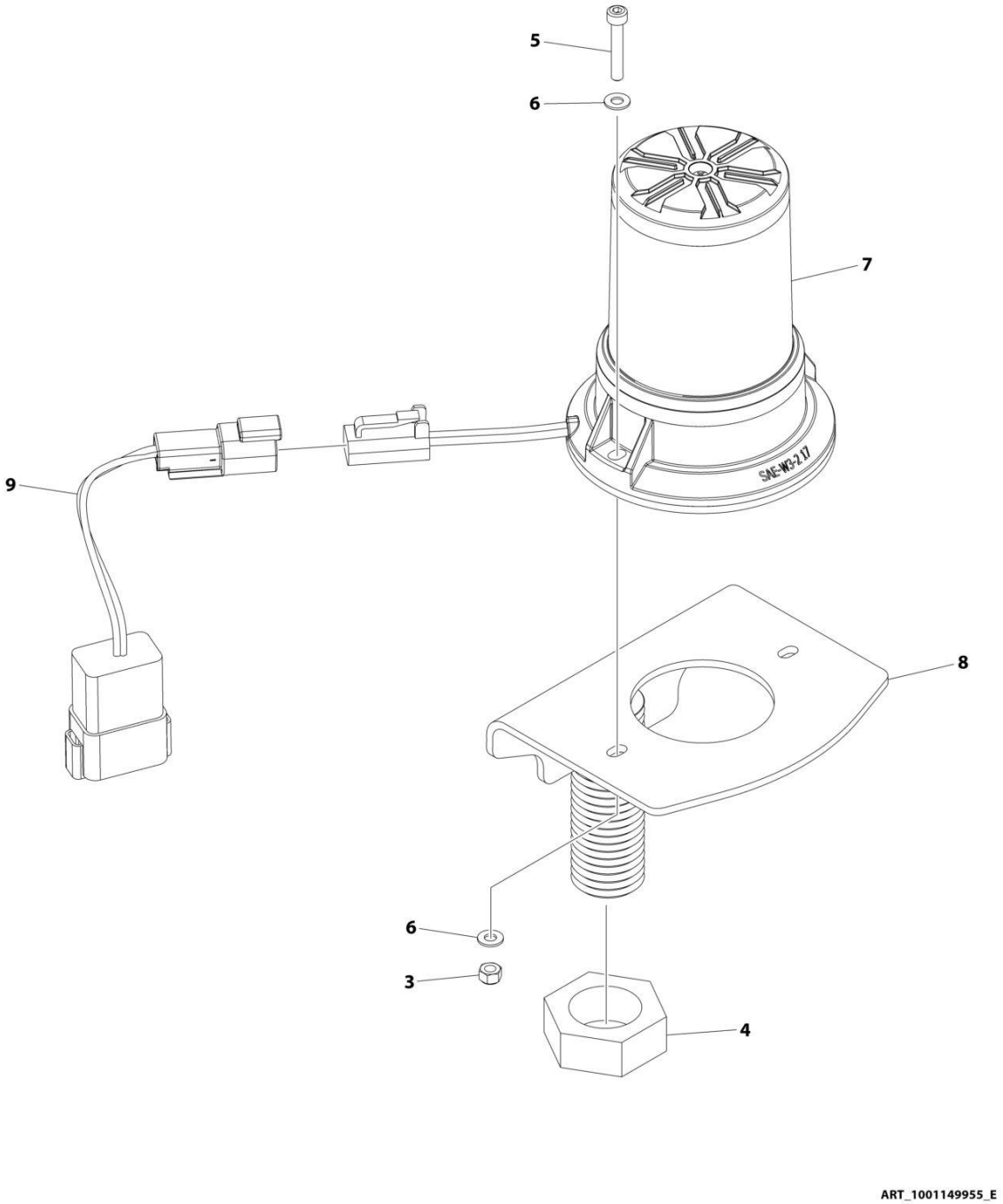
**FIGURE 2-52. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)**



## FIGURE 2-52. STROBE LIGHT INSTALLATION (AMBER) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001149955 | Ref | STROBE LIGHT INSTALLATION (AMBER) | C |
| 1 | 1001278844 | 1 | Strobe Light Assembly (Includes Items 101-107) | B |
| 2 | 1001149818 | 1 | Harness, Strobe Light (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 101 | 0100035 | AR | Compound, Locking | |
| 102 | 3290405 | 2 | Nut, Lock M4 | |
| 103 | 3312602 | 1 | Nut | |
| 104 | 4031509 | 2 | Capscrew M4 x 25 | |
| 105 | 4811400 | 2 | Washer M4 | |
| 106 | 1001278850 | 1 | Bracket | |
| 107 | 1001270594 | 1 | Light, Strobe (Amber) | |
| 107 | 4460891 | 1 | Connector | |
| 107 | 4460465 | 2 | Pin | |

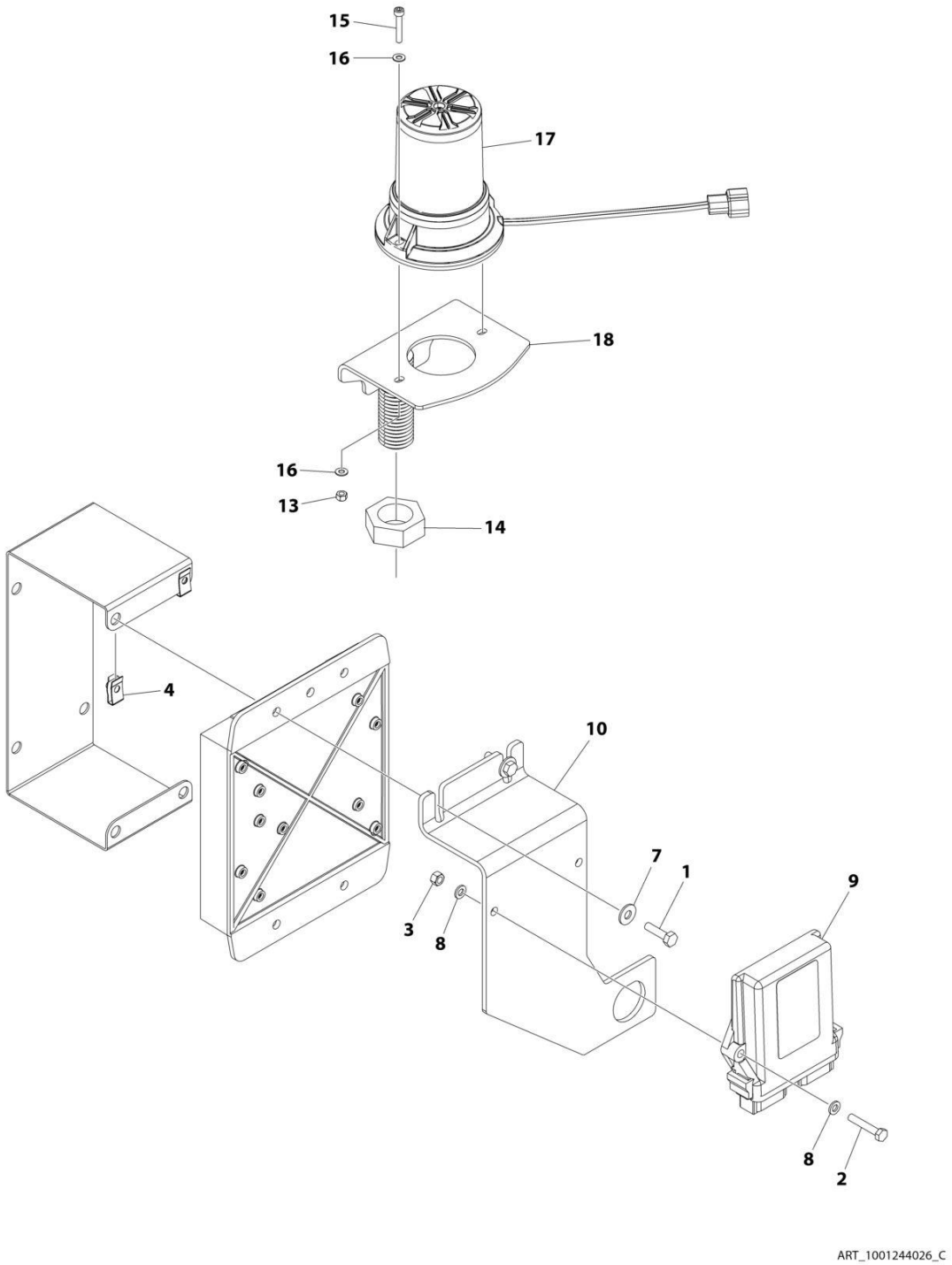
**FIGURE 2-53. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298203 to Present, SN 0300287801 through 0300287807)**



## FIGURE 2-53. STROBE LIGHT INSTALLATION (AMBER) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001149955 | Ref | STROBE LIGHT INSTALLATION - AMBER | E |
| 3 | 3290405 | 2 | Nut, Lock M4 | |
| 4 | 3312602 | 1 | Nut | |
| 5 | 4031509 | 2 | Capscrew M4 x 25 | |
| 6 | 4811400 | 4 | Washer M4 | |
| 7 | 1001270594 | 1 | Light, Strobe (Amber) | |
| 7 | 4460891 | 1 | Connector | |
| 7 | 4460465 | 2 | Pin | |
| 8 | 1001275149 | 1 | Bracket | |
| 9 | 1001283776 | 1 | Harness, Strobe Light (See Separate Breakdown in ELECTRICAL Section) | |

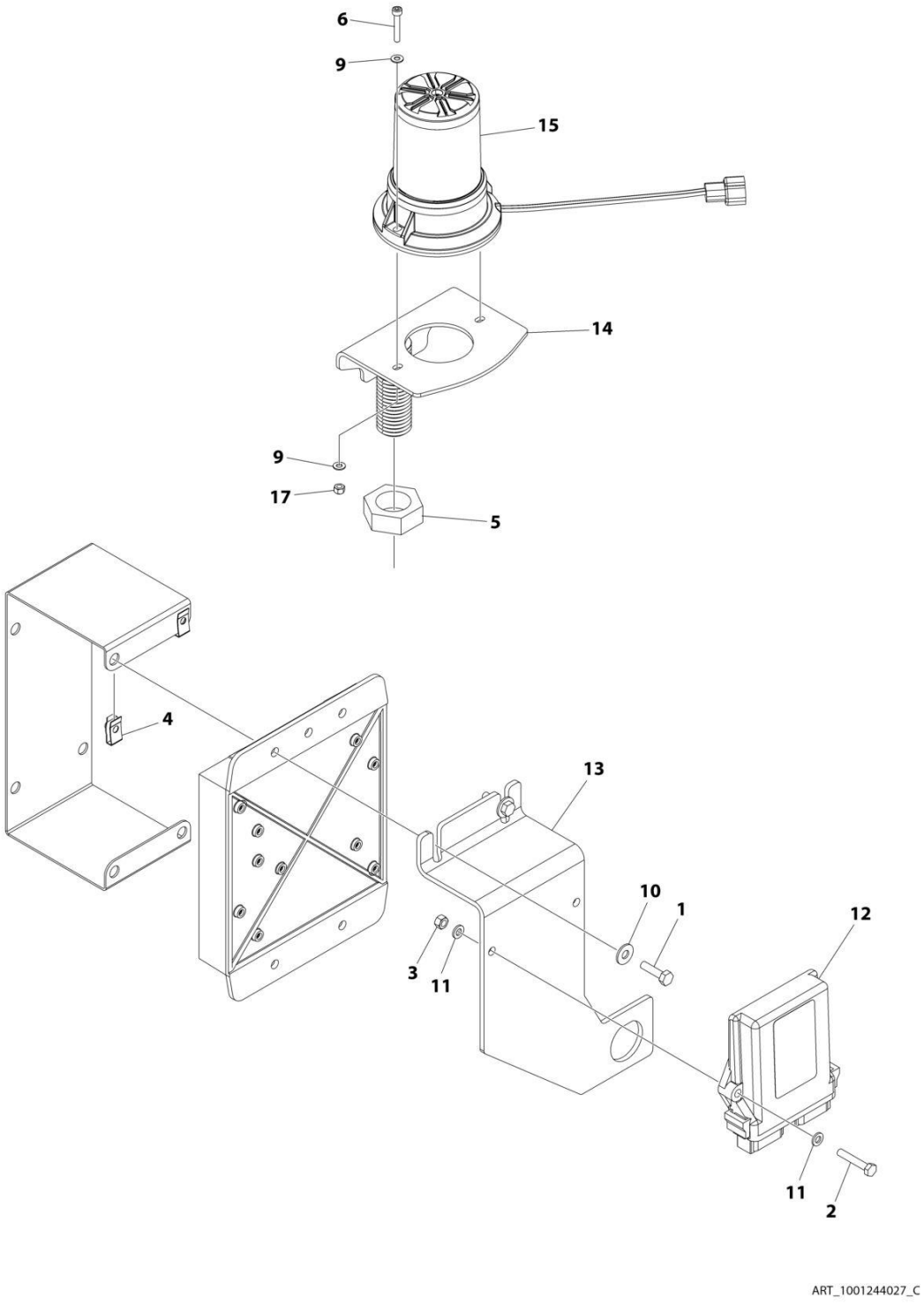
## FIGURE 2-54. STROBE LIGHT INSTALLATION (BLUE)



## FIGURE 2-54. STROBE LIGHT INSTALLATION (BLUE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001244026 | Ref | STROBE LIGHT INSTALLATION (BLUE) | C |
| 1 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 2 | 0700615 | 2 | Bolt M6 x 35 | |
| 3 | 3290607 | 2 | Nut M6 x 1 | |
| 4 | 3300454 | 2 | Nut 1/4 | |
| 5 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 6 | 4460488 | AR | Mounting Base (Not Shown) | |
| 7 | 4751400 | 2 | Washer 1/4 | |
| 8 | 4811700 | 4 | Washer M6 | |
| 9 | 1001142683 | 1 | Module, Control Beacon | |
| 10 | 1001142719 | 1 | Bracket | |
| 12 | 1001142736 | 1 | Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 13 | 3290405 | 2 | Nut, Lock M4 | |
| 14 | 3312602 | 1 | Nut | |
| 15 | 4031509 | 2 | Capscrew M4 x 25 | |
| 16 | 4811400 | 4 | Washer M4 | |
| 17 | 1001272681 | 1 | Light, Beacon | |
| 17 | 4460897 | 1 | Connector | |
| 17 | 4460464 | 2 | Pin | |
| 18 | 1001278850 | 1 | Bracket (Centered Stud) | |
| 18 | 1001275149 | 1 | Bracket (Offset Stud) | |

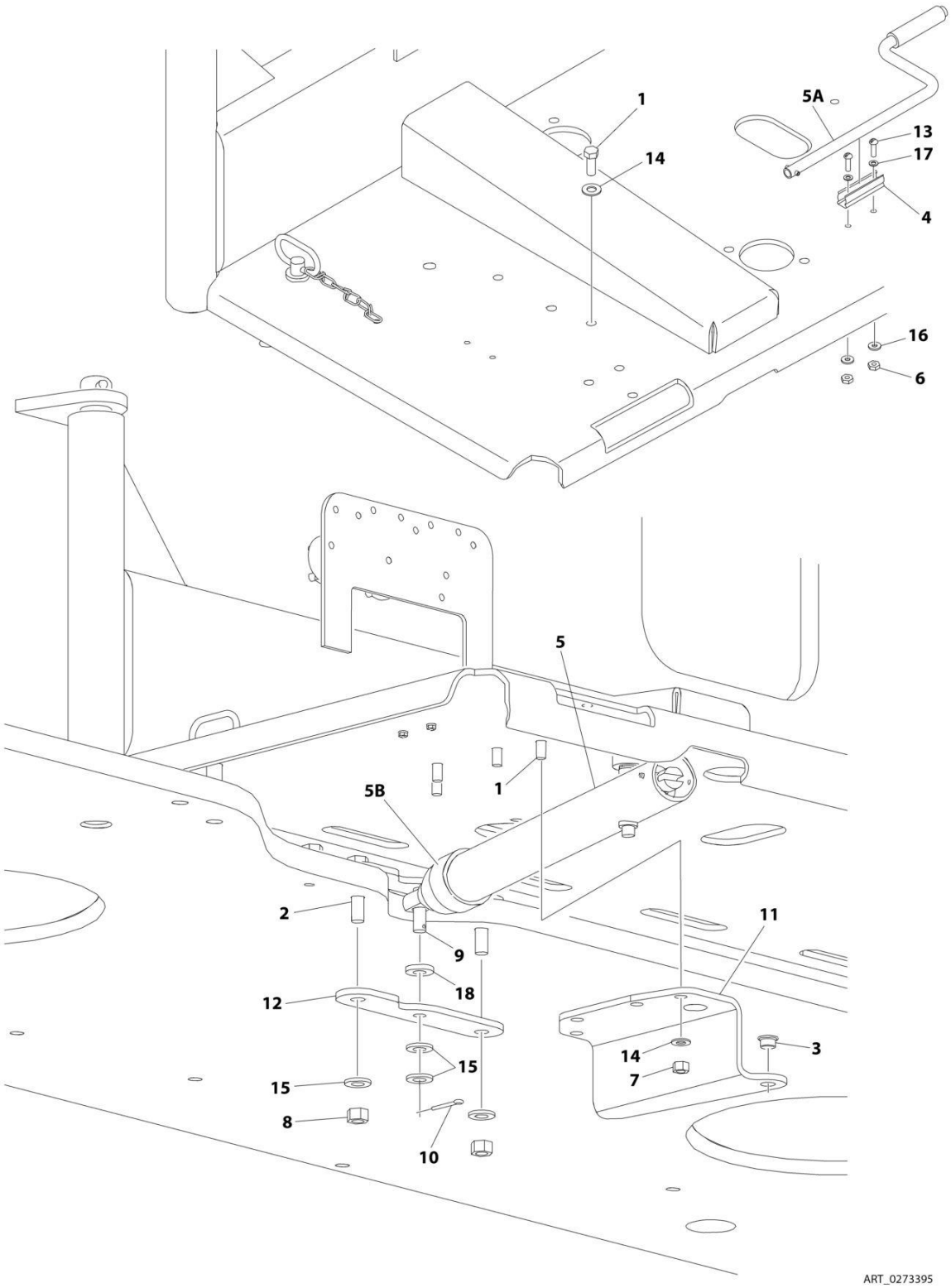
## FIGURE 2-55. STROBE LIGHT INSTALLATION (RED)



## FIGURE 2-55. STROBE LIGHT INSTALLATION (RED)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001244027 | Ref | STROBE LIGHT INSTALLATION (RED) | C |
| 1 | 0641408 | 2 | Bolt 1/4 x 1 | |
| 2 | 0700615 | 2 | Bolt M6 x 35 | |
| 3 | 3290607 | 2 | Nut M6 x 1 | |
| 4 | 3300454 | 2 | Nut | |
| 5 | 3312602 | 1 | Nut | |
| 6 | 4031509 | 2 | Capscrew M4 x 25 | |
| 7 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 8 | 4460488 | AR | Mounting Base (Not Shown) | |
| 9 | 4811400 | 4 | Washer M4 | |
| 10 | 4751400 | 2 | Washer 1/4 | |
| 11 | 4811700 | 4 | Washer M6 | |
| 12 | 1001142683 | 1 | Module, Control Beacon | |
| 13 | 1001142719 | 1 | Bracket | |
| 14 | 1001278850 | 1 | Bracket (Centered Stud) | |
| 14 | 1001275149 | 1 | Bracket (Offset Stud) | |
| 15 | 1001272682 | 1 | Light, Strobe | |
| 15 | 4460897 | 1 | Connector | |
| 15 | 4460464 | 2 | Pin | |
| 16 | 1001142736 | 1 | Harness, Beacon Control (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 17 | 3290405 | 2 | Nut, Lock M4 | |

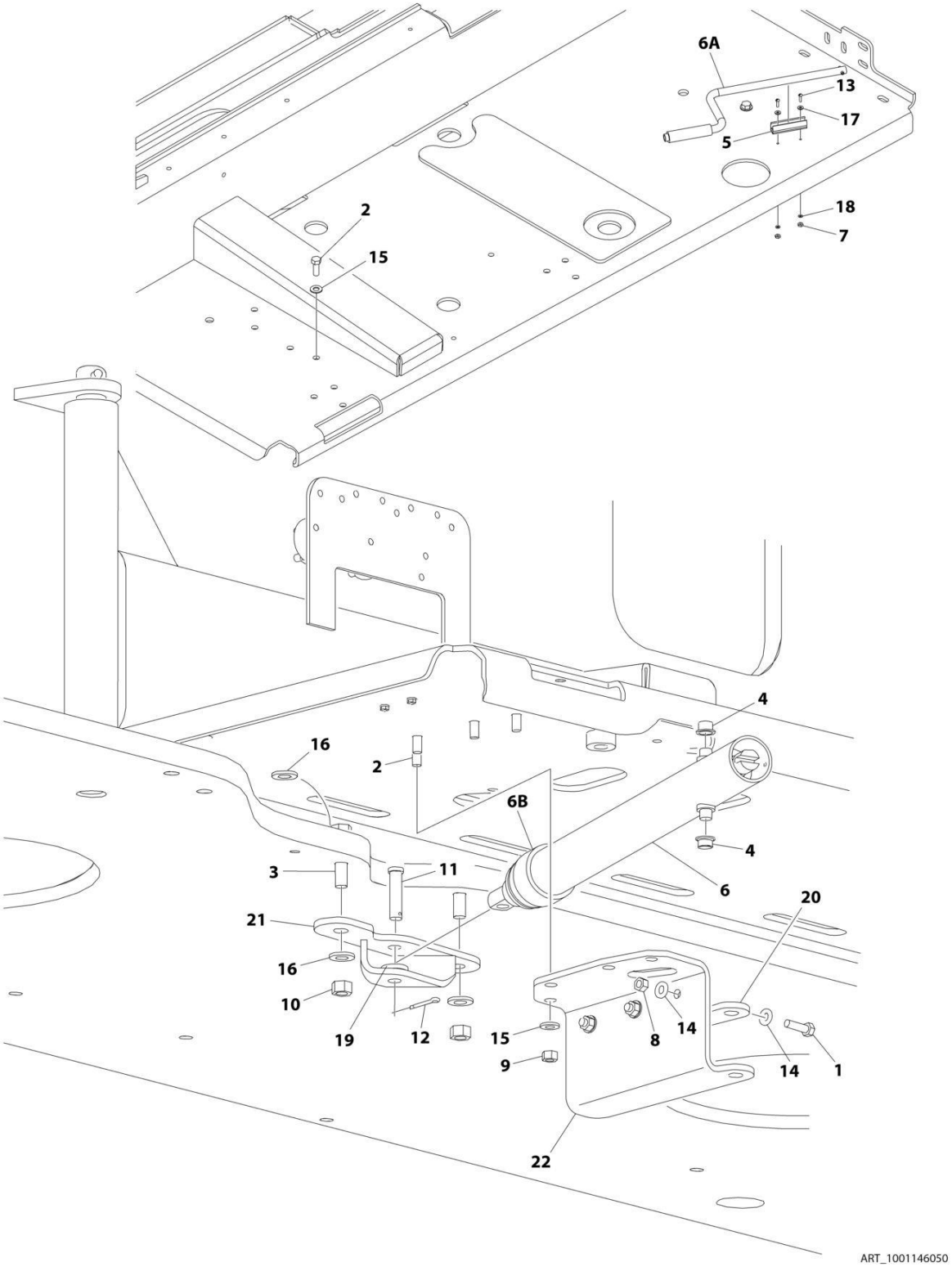
## FIGURE 2-56. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES



## FIGURE 2-56. ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273395 | Ref | ENGINE TRAY JACK INSTALLATION - DEUTZ TD2011 ENGINES | B |
| 1 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 2 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 3 | 0962051 | 2 | Bearing, Flanged | |
| 4 | 1380147 | 1 | Clip, Spring | |
| 5 | 2840016 | 1 | Jack and Handle Assembly | |
| 5A | | Ref | Handle Options: | |
| 5A | 7016374 | 1 | Burr Manufacturing Brand | |
| 5A | 7024598 | 1 | Hammerblow Corp Brand | |
| 5B | 7016322 | 1 | Wiper (Burr Manufacturing Brand Only) | |
| 6 | 3310601 | 2 | Nut #6 | |
| 7 | 3311605 | 4 | Nut 3/8 | |
| 8 | 3311805 | 2 | Nut 1/2 | |
| 9 | 3430816 | 1 | Pin, Clevis | |
| 10 | 3450404 | 1 | Pin, Cotter 1/8 x 1 | |
| 11 | 3537445 | 1 | Bracket | |
| 12 | 3574492 | 2 | Plate | |
| 13 | 3910608 | 2 | Screw #6 x 1/2 | |
| 14 | 4711600 | 8 | Washer 3/8 | |
| 15 | 4711800 | 4 | Washer 1/2 | |
| 16 | 4750600 | 2 | Washer #6 | |
| 17 | 4770600 | 2 | Starwasher #6 | |
| 18 | 4891800 | 1 | Washer 1/2 | |

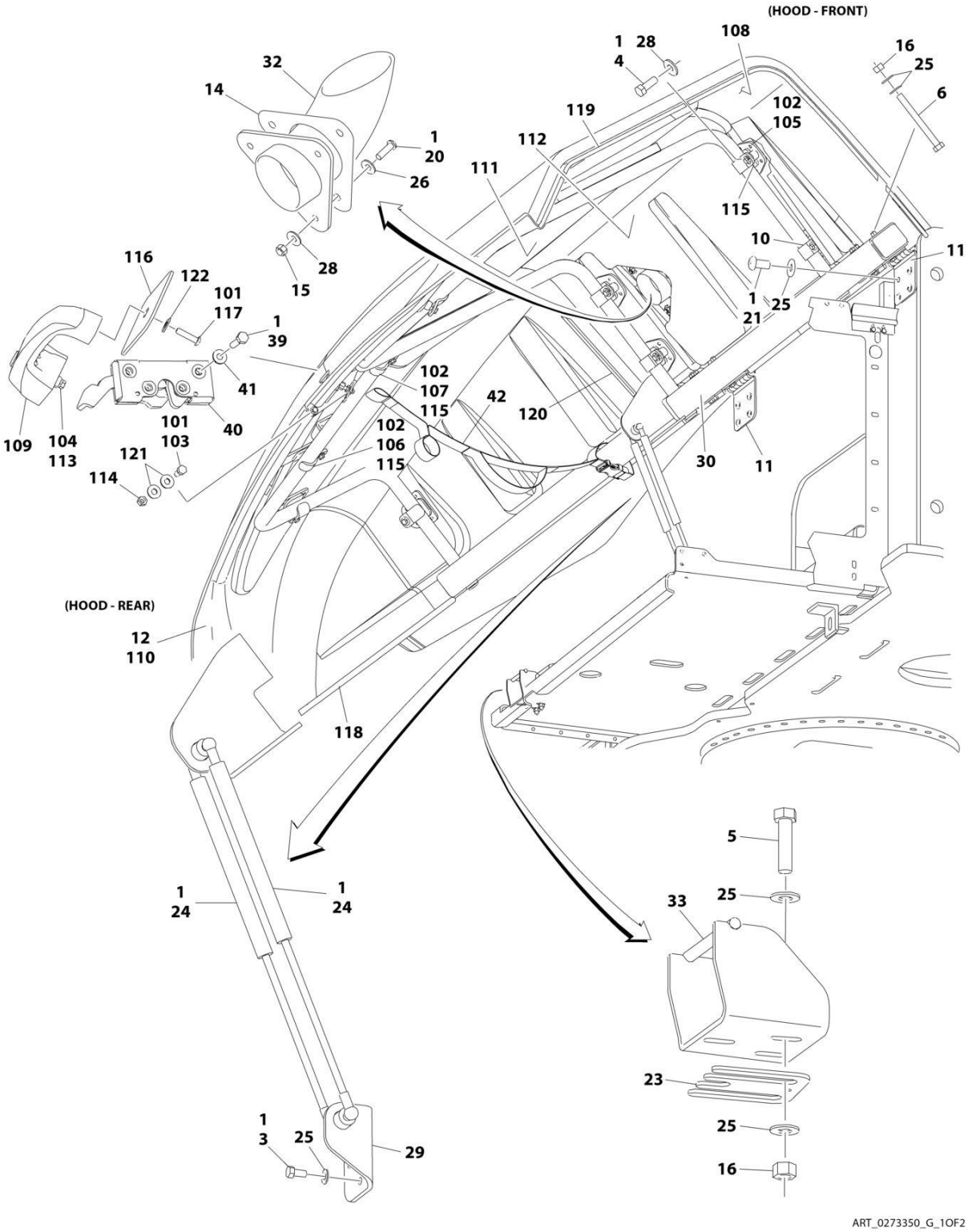
## FIGURE 2-57. ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

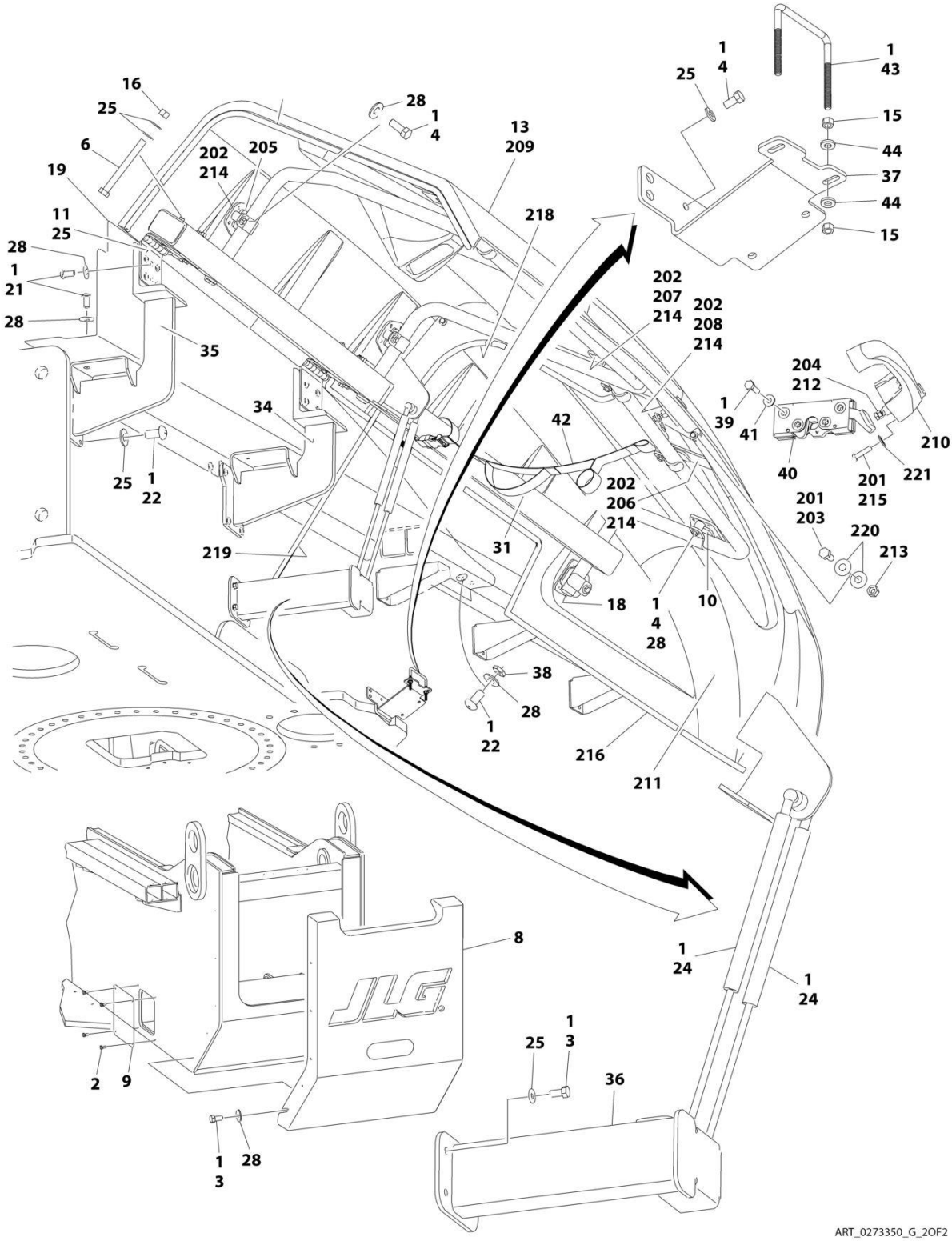


## FIGURE 2-57. ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001146050 | Ref | ENGINE TRAY JACK INSTALLATION - DEUTZ TCD2.9L4 ENGINES | B |
| 1 | 0641509 | 3 | Bolt 5/16 x 1-1/8 | |
| 2 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 3 | 0641816 | 2 | Bolt 1/2 x 2 | |
| 4 | 0962051 | 2 | Bearing, Flanged | |
| 5 | 1380147 | 1 | Clip, Spring | |
| 6 | 2840016 | 1 | Jack and Handle Assembly | |
| 6A | | Ref | Handle Options: | |
| 6A | 7016374 | 1 | Burr Manufacturing Brand (Identified by 4in handle offset) | |
| 6A | 7024598 | 1 | Hammerblow Corp Brand (Identified by 4-1/2in handle offset) | |
| 6B | 7016322 | 1 | Wiper (Burr Manufacturing Brand Only) | |
| 7 | 3310601 | 2 | Nut #6 | |
| 8 | 3311505 | 3 | Nut 5/16 | |
| 9 | 3311605 | 4 | Nut 3/8 | |
| 10 | 3311805 | 2 | Nut 1/2 | |
| 11 | 3430816 | 1 | Pin, Clevis | |
| 12 | 3450404 | 1 | Pin, Cotter 1/8 x 1 | |
| 13 | 3910608 | 2 | Screw #6 x 1/2 | |
| 14 | 4711500 | 6 | Washer 5/16 | |
| 15 | 4711600 | 8 | Washer 3/8 | |
| 16 | 4711800 | 4 | Washer 1/2 | |
| 17 | 4750600 | 2 | Washer #6 | |
| 18 | 4770600 | 2 | Starwasher #6 | |
| 19 | 4891800 | 1 | Washer 1/2 | |
| 20 | 1001131482 | 1 | Plate, Jack Bracket | |
| 21 | 1001135497 | 1 | Support, Engine Tray Jack | |
| 22 | 1001143298 | 1 | Plate, Jack Bracket | |

## FIGURE 2-58. HOODS INSTALLATION - DEUTZ TD2011 ENGINES



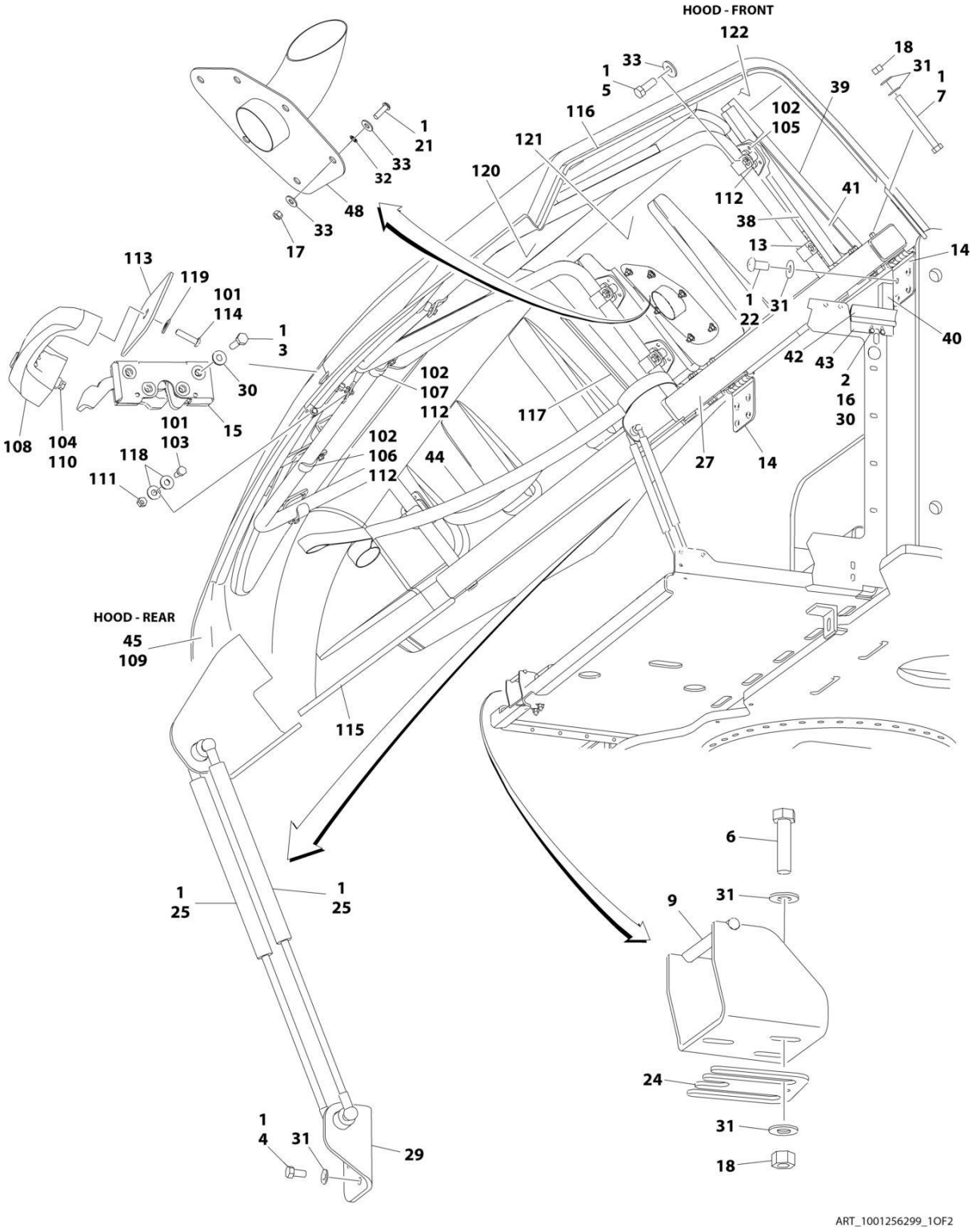

ART_0273350_G_2OF2

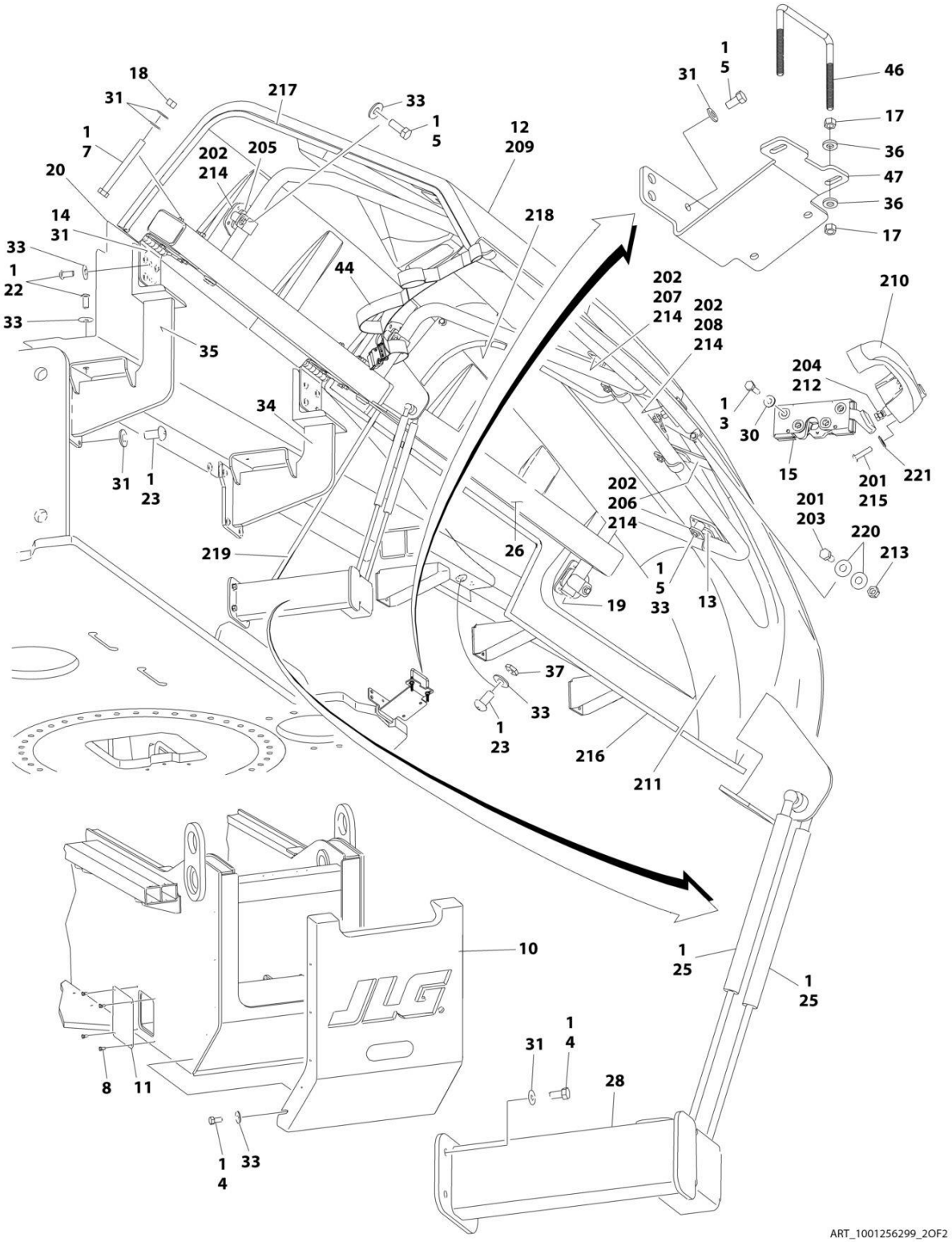
## FIGURE 2-58. HOODS INSTALLATION - DEUTZ TD2011 ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273350 | Ref | HOODS INSTALLATION - DEUTZ TD2011 ENGINES | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0791605 | 8 | Screw 3/8 x 3/4 | |
| 3 | 0641606 | 17 | Bolt 3/8 x 3/4 | |
| 4 | 0641608 | 19 | Bolt 3/8 x 1 | |
| 5 | 0641610 | 3 | Bolt 3/8 x 1-1/4 | |
| 6 | 0641630 | 12 | Bolt 3/8 x 3-3/4 | |
| 8 | 1671109 | 1 | Cover, Turntable | |
| 9 | 1671118 | 2 | Cover, Pin Access | |
| 10 | 2080051 | 16 | Clamp | |
| 11 | 2600280 | 4 | Hinge | |
| 12 | 1671192 | 1 | Hood, Engine Side (See Items 101-122 for Breakdown) | |
| | | Ref | Note: Replacement Decals Must Be Ordered Separately - See DECAL SECTION. | |
| 13 | 1671194 | 1 | Hood, Tank Side (See Items 201-221 for Breakdown) | |
| | | Ref | Note: Replacement Decals Must Be Ordered Separately - See DECAL SECTION. | |
| 14 | 2820141 | 1 | Shield, Heat | |
| 15 | 3311601 | 7 | Nut 3/8 | |
| 16 | 3311605 | 15 | Nut 3/8 | |
| 18 | 3520186 | 6 | Plug | |
| 19 | 3574533 | 1 | Trough, Powertrack | |
| 20 | 3900232 | 3 | Screw 3/8 x 1-1/4 | |
| 21 | 3900283 | 29 | Screw 3/8 x 3/4 | |
| 22 | 3900316 | 10 | Screw 3/8 x 1 | |
| 23 | 4071048 | 3 | Shim | |
| 24 | 4160194 | 4 | Spring, Gas | |
| 25 | 4711600 | 64 | Washer 1/4 | |
| 26 | 4740500 | 3 | Washer, Nylon | |
| 28 | 4751600 | 47 | Washer 3/8 | |
| 29 | 4341001 | 1 | Mount, Gas Spring | |
| 30 | 4340996 | 1 | Support, Engine Side Hood | |
| 31 | 4340995 | 1 | Support, Tank Side Hood | |
| 32 | 4846503 | 1 | Stack, Exhaust | |
| 33 | 0903154 | 1 | Bracket, Latch | |
| 34 | 4846871 | 1 | Support, Front Hood | |
| 35 | 4846872 | 1 | Support, Rear Hood | |
| 36 | 4341000 | 1 | Mount, Gas Spring | |
| 37 | 1001250301 | 1 | Bracket, Tank Side Striker | |
| 38 | 88662523 | 2 | Nut, Tinnerman Only | |
| 39 | 0641408 | 8 | Bolt 1/4 x 1 | |
| 40 | 2940173 | 2 | Latch, Rotary | |
| 41 | 4711400 | AR | Washer 1/4 | |
| 42 | 1001160505 | 2 | Strap | |
| 43 | 1001243414 | 1 | U - Bolt | |
| 44 | 4891600 | 4 | Washer 3/8 | |
| | 1671192 | Ref | ENGINE SIDE HOOD ASSEMBLY | B |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0100081 | AR | Adhesive | |
| 103 | 0641506 | 10 | Bolt 5/16 x 3/4 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 104 | 0760608 | 1 | Bolt M6 x 16 | |
| 105 | 0902746 | 7 | Bracket | |
| 106 | 0902761 | 1 | Bracket | |
| 107 | 0903161 | 1 | Bracket | |
| 108 | 1671191 | 1 | Hood, Engine Side Front | |
| 109 | 2560187 | 1 | Handle | |
| 110 | 2680496 | 1 | Hood, Engine Side Rear | |
| 111 | 2820145 | 1 | Insulation, Sound Absorbing | |
| 112 | 2820146 | 1 | Insulation, Noise Absorbing | |
| 113 | 3290601 | 1 | Nut M6 x 1 | |
| 114 | 3311501 | 10 | Nut 5/16 | |
| 115 | 3340877 | 9 | Pad | |
| 116 | 3575782 | 1 | Plate | |
| 117 | 3900363 | 2 | Screw M6 x 25 | |
| 118 | 3960464 | 12.1 ft /3.7m | Seal | |
| 119 | 4060804 | 5.1 ft /1.6m | Shield, Flex Trim | |
| 120 | 4060806 | 4.1 ft /1.2m | Shield, Flex Trim | |
| 121 | 4751500 | 20 | Washer 5/16 | |
| 122 | 4811900 | 2 | Washer M8 | |
| | 1671194 | Ref | TANK SIDE HOOD ASSEMBLY | A |
| 201 | 0100011 | AR | Compound, Locking | |
| 202 | 0100081 | AR | Adhesive | |
| 203 | 0641506 | 9 | Bolt 5/16 x 3/4 | |
| 204 | 0760608 | 1 | Bolt M6 x 16 | |
| 205 | 0902746 | 4 | Bracket | |
| 206 | 0902762 | 1 | Bracket | |
| 207 | 0902763 | 1 | Bracket | |
| 208 | 0903162 | 1 | Bracket | |
| 209 | 1671193 | 1 | Hood, Tank Side Front | |
| 210 | 2560187 | 1 | Handle | |
| 211 | 2680498 | 1 | Hood, Tank Side Rear | |
| 212 | 3290601 | 1 | Nut M6 x 1 | |
| 213 | 3311501 | 9 | Nut 5/16 | |
| 214 | 3340877 | 7 | Pad | |
| 215 | 3900363 | 2 | Screw M6 x 25 | |
| 216 | 3960464 | 12.4 ft /3.8m | Seal | |
| 217 | 4060804 | 4.4 ft /1.3m | Shield, Flex Trim | |
| 218 | 4060806 | 3.3 ft/1m | Shield, Flex Trim | |
| 219 | 4240150 | 1 | Strap | |
| 220 | 4751500 | 18 | Washer 5/16 | |
| 221 | 4811900 | 2 | Washer M8 | |

## FIGURE 2-59. HOODS INSTALLATION - DEUTZ TCD2.9L4 ENGINES



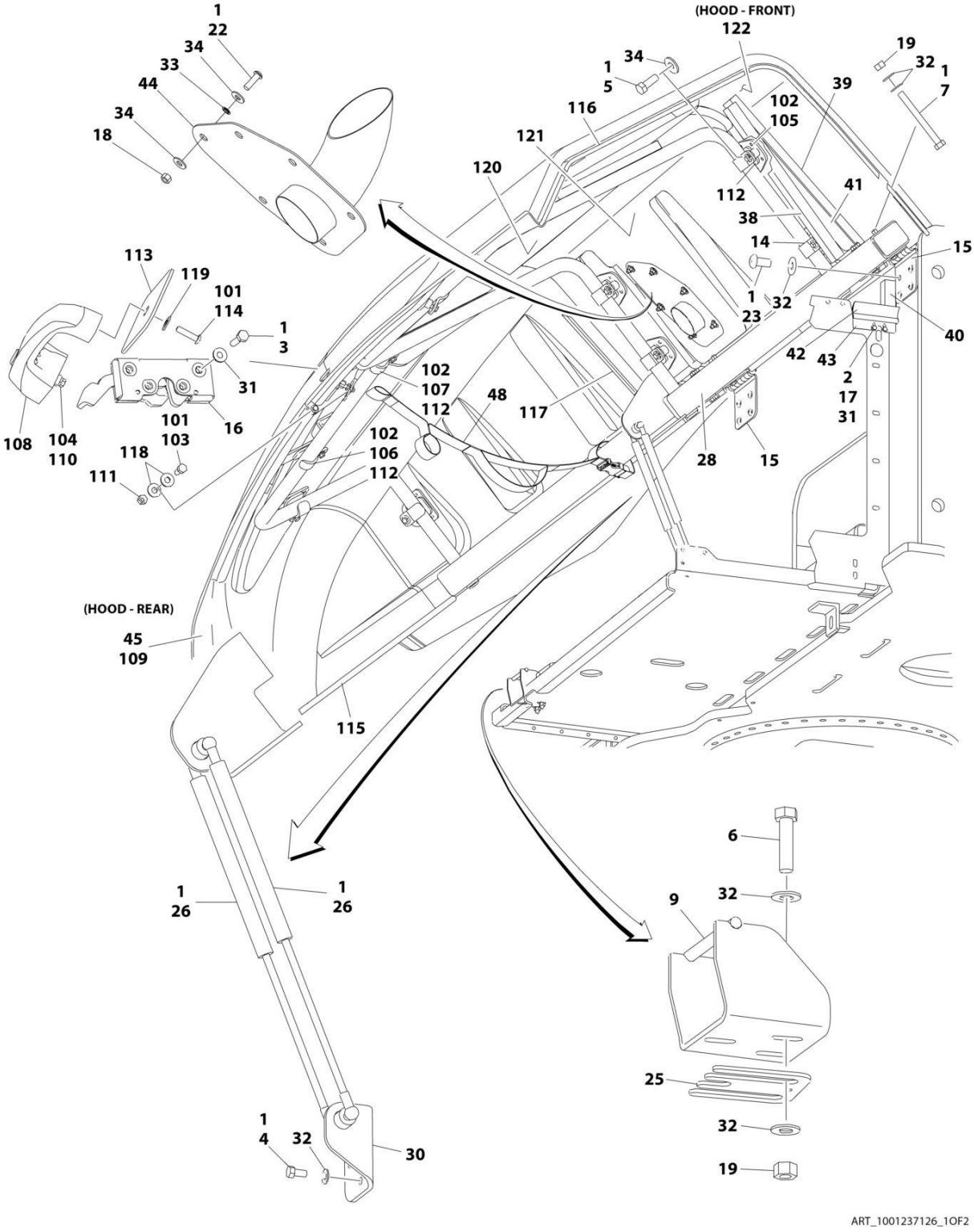

ART_1001256299_2OF2

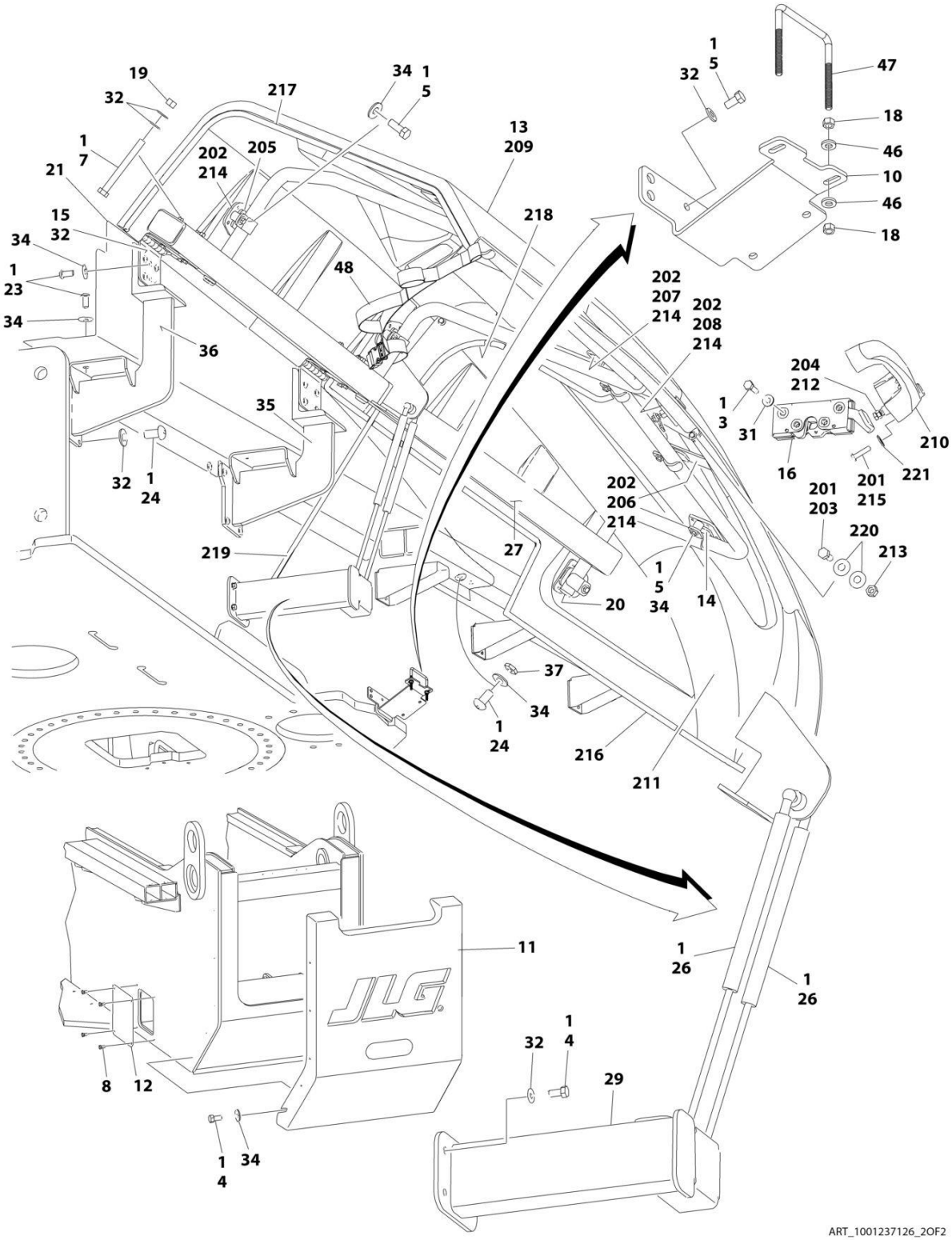
## FIGURE 2-59. HOODS INSTALLATION - DEUTZ TCD2.9L4 ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001256299 | Ref | HOODS INSTALLATION - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES | A |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641406 | 2 | Bolt 1/4 x 3/4 | |
| 3 | 0641408 | 8 | Bolt 1/4 x 1 | |
| 4 | 0641606 | 17 | Bolt 3/8 x 3/4 | |
| 5 | 0641608 | 19 | Bolt 3/8 x 1 | |
| 6 | 0641610 | 3 | Bolt 3/8 x 1-1/4 | |
| 7 | 0641630 | 12 | Bolt 3/8 x 3-3/4 | |
| 8 | 0791605 | 8 | Screw 3/8 x 5/8 | |
| 9 | 0903154 | 1 | Bracket, Engine Side Striker | |
| 10 | 1671109 | 1 | Cover, Turntable | |
| 11 | 1671118 | 2 | Cover, Pin Access | |
| 12 | 1671194 | 1 | Hood, Tank Side (See Items 201-221 for Breakdown) | |
| 13 | 2080051 | 16 | Clamp | |
| 14 | 2600280 | 4 | Hinge | |
| 15 | 2940173 | 2 | Latch, Rotary | |
| 16 | 3311405 | 2 | Nut 1/4 | |
| 17 | 3311601 | 10 | Nut 3/8 | |
| 18 | 3311605 | 15 | Nut 3/8 | |
| 19 | 3520186 | 6 | Plug | |
| 20 | 3574533 | 1 | Trough, Powertrack | |
| 21 | 3900232 | 6 | Screw 3/8 x 1-1/4 | |
| 22 | 3900283 | 29 | Screw 3/8 x 3/4 | |
| 23 | 3900316 | 10 | Screw 3/8 x 1 | |
| 24 | 4071048 | 3 | Shim | |
| 25 | 4160194 | 4 | Spring, Gas | |
| 26 | 4340995 | 1 | Support, Tank Side Hood | |
| 27 | 4340996 | 1 | Support, Engine Side Hood | |
| 28 | 4341000 | 1 | Mount, Tank Side Gas Spring | |
| 29 | 4341001 | 1 | Weldment, Gas Spring Mount | |
| 30 | 4711400 | 12 | Washer 1/4 | |
| 31 | 4711600 | 64 | Washer 1/4 | |
| 32 | 4740500 | 6 | Washer, Nylon | |
| 33 | 4751600 | 53 | Washer 3/8 | |
| 34 | 4846871 | 1 | Weldment, Rear Hood Support | |
| 35 | 4846872 | 1 | Weldment, Front Hood Support | |
| 36 | 4891600 | 4 | Washer 3/8 | |
| 37 | 88662523 | 2 | Nut, Tinnerman | |
| 38 | 1001140485 | 1 | Seal, Foam Gasket | |
| 39 | 1001142144 | 1 | Bracket, Hood Baffle | |
| 40 | 1001146132 | 1 | Seal, Foam Gasket | |
| 41 | 1001146142 | 1 | Seal, Foam Gasket | |
| 42 | 1001146178 | 1 | Seal, Hood Frame | |
| 43 | 1001146183 | 1 | Plate, Hood Frame Baffle | |
| 44 | 1001160505 | 2 | Strap | |
| 45 | 1001237125 | 1 | Hood, Engine Side (See Items 101-121 for Breakdown) | |
| 46 | 1001243414 | 1 | U - Bolt | |
| 47 | 1001250301 | 1 | Bracket, Tank Side Striker | |
| 48 | 1001256298 | 1 | Weldment, Exhaust Stack | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001237125 | Ref | ENGINE SIDE HOOD ASSEMBLY | A |
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0100081 | AR | Adhesive | |
| 103 | 0641510 | 10 | Bolt 5/16 x 1-1/4 | |
| 104 | 0760608 | 1 | Bolt M6 x 16 | |
| 105 | 0902746 | 7 | Bracket | |
| 106 | 0902761 | 1 | Bracket | |
| 107 | 0903161 | 1 | Bracket | |
| 108 | 2560187 | 1 | Handle | |
| 109 | 2680496 | 1 | Hood, Engine Side Rear | |
| 110 | 3290601 | 1 | Nut M6 x 1 | |
| 111 | 3311501 | 10 | Nut 5/16 | |
| 112 | 3340877 | 9 | Pad | |
| 113 | 3575782 | 1 | Plate | |
| 114 | 3900363 | 2 | Screw M6 x 25 | |
| 115 | 3960464 | 12.1 ft /3.7m | Seal | |
| 116 | 4060804 | 5.1 ft /1.6m | Shield, Flex Trim | |
| 117 | 4060806 | 4.1 ft /1.2m | Shield, Flex Trim | |
| 118 | 4751500 | 20 | Washer 5/16 | |
| 119 | 4811900 | 2 | Washer M8 | |
| 120 | 1001117140 | AR | Tape, Aluminized Polyester | |
| 121 | 1001152566 | AR | Insulate | |
| | 1671194 | Ref | TANK SIDE HOOD ASSEMBLY | A |
| 201 | 0100011 | AR | Compound, Locking | |
| 202 | 0100081 | AR | Adhesive | |
| 203 | 0641506 | 9 | Bolt 5/16 x 3/4 | |
| 204 | 0760608 | 1 | Bolt M6 x 16 | |
| 205 | 0902746 | 4 | Bracket | |
| 206 | 0902762 | 1 | Bracket | |
| 207 | 0902763 | 1 | Bracket | |
| 208 | 0903162 | 1 | Bracket | |
| 209 | 1671193 | 1 | Hood, Tank Side Front | |
| 210 | 2560187 | 1 | Handle | |
| 211 | 2680498 | 1 | Hood, Tank Side Rear | |
| 212 | 3290601 | 1 | Nut M6 x 1 | |
| 213 | 3311501 | 9 | Nut 5/16 | |
| 214 | 3340877 | 7 | Pad | |
| 215 | 3900363 | 2 | Screw M6 x 25 | |
| 216 | 3960464 | 12.4 ft /3.8m | Seal | |
| 217 | 4060804 | 4.4 ft /1.3m | Shield, Flex Trim | |
| 218 | 4060806 | 3.3 ft /1m | Shield, Flex Trim | |
| 219 | 4240150 | 1 | Strap | |
| 220 | 4751500 | 18 | Washer 5/16 | |
| 221 | 4811900 | 2 | Washer M8 | |

## FIGURE 2-60. HOODS INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES




ART_1001237126_2OF2

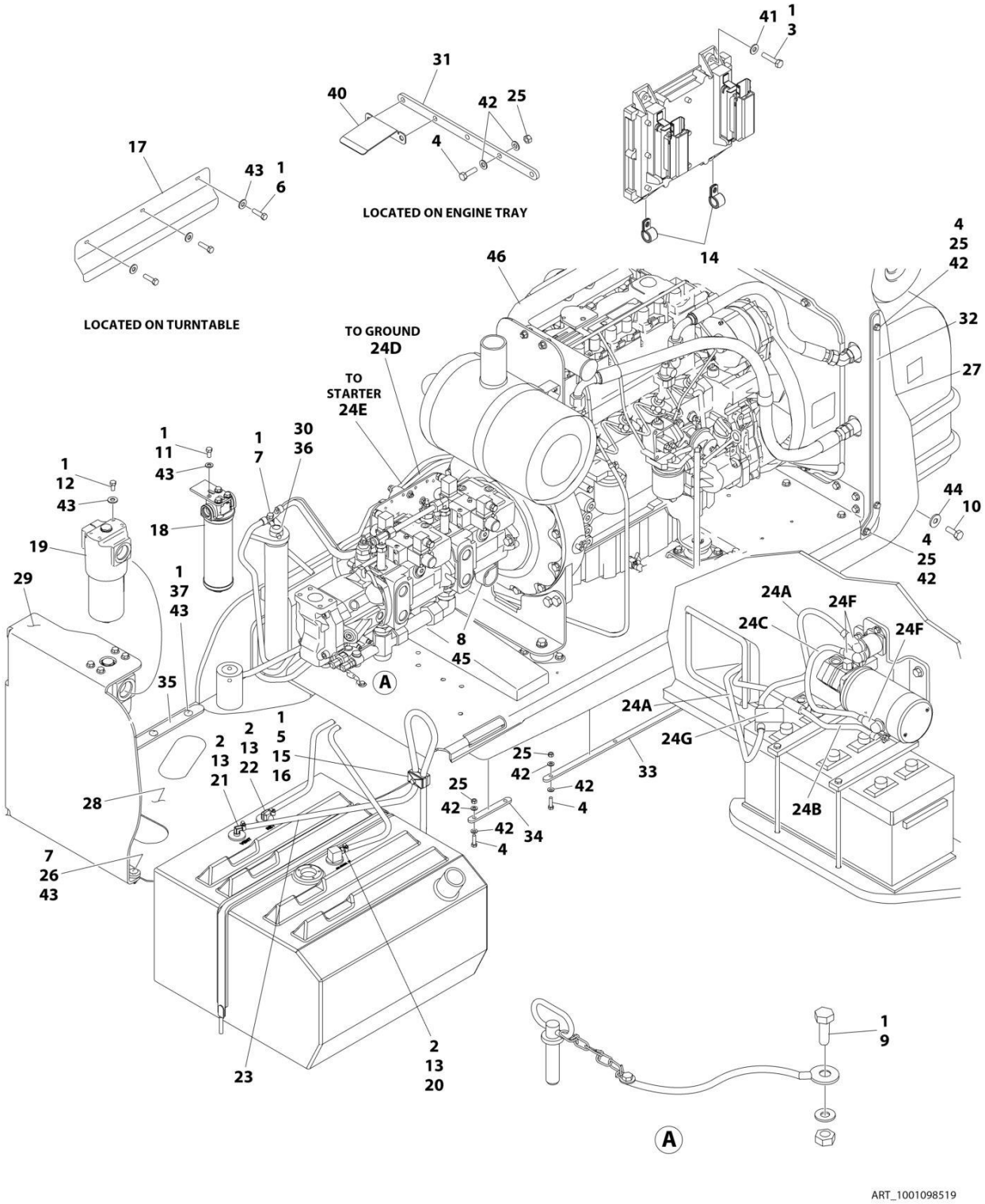
## FIGURE 2-60. HOODS INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001237126 | Ref | HOODS INSTALLATION - DEUTZ TCD2.9L4 (STAGE V) ENGINES | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641406 | 2 | Bolt 1/4 x 3/4 | |
| 3 | 0641408 | 8 | Bolt 1/4 x 1 | |
| 4 | 0641606 | 17 | Bolt 3/8 x 3/4 | |
| 5 | 0641608 | 19 | Bolt 3/8 x 1 | |
| 6 | 0641610 | 3 | Bolt 3/8 x 1-1/4 | |
| 7 | 0641630 | 12 | Bolt 3/8 x 3-3/4 | |
| 8 | 0791605 | 8 | Screw 3/8 x 5/8 | |
| 9 | 0903154 | 1 | Bracket, Engine Side Striker | |
| 10 | 1001250301 | 1 | Bracket, Tank Side Striker | |
| 11 | 1671109 | 1 | Cover, Turntable | |
| 12 | 1671118 | 2 | Cover, Pin Access | |
| 13 | 1671194 | 1 | Hood, Tank Side (See Items 201-221 for Breakdown) | |
| 14 | 2080051 | 16 | Clamp | |
| 15 | 2600280 | 4 | Hinge | |
| 16 | 2940173 | 2 | Latch, Rotary | |
| 17 | 3311405 | 2 | Nut 1/4 | |
| 18 | 3311601 | 10 | Nut 3/8 | |
| 19 | 3311605 | 15 | Nut 3/8 | |
| 20 | 3520186 | 6 | Plug | |
| 21 | 3574533 | 1 | Trough, Powertrack | |
| 22 | 3900232 | 6 | Screw 3/8 x 1-1/4 | |
| 23 | 3900283 | 29 | Screw 3/8 x 3/4 | |
| 24 | 3900316 | 10 | Screw 3/8 x 1 | |
| 25 | 4071048 | 3 | Shim | |
| 26 | 4160194 | 4 | Spring, Gas | |
| 27 | 4340995 | 1 | Support, Tank Side Hood | |
| 28 | 4340996 | 1 | Support, Engine Side Hood | |
| 29 | 4341000 | 1 | Mount, Tank Side Gas Spring | |
| 30 | 4341001 | 1 | Weldment, Gas Spring Mount | |
| 31 | 4711400 | 12 | Washer 1/4 | |
| 32 | 4711600 | 64 | Washer 1/4 | |
| 33 | 4740500 | 6 | Washer, Nylon | |
| 34 | 4751600 | 53 | Washer 3/8 | |
| 35 | 4846871 | 1 | Weldment, Rear Hood Support | |
| 36 | 4846872 | 1 | Weldment, Front Hood Support | |
| 37 | 88662523 | 2 | Nut, Tinnerman | |
| 38 | 1001140485 | 1 | Seal, Foam Gasket | |
| 39 | 1001142144 | 1 | Bracket, Hood Baffle | |
| 40 | 1001146132 | 1 | Seal, Foam Gasket | |
| 41 | 1001146142 | 1 | Seal, Foam Gasket | |
| 42 | 1001146178 | 1 | Seal, Hood Frame | |
| 43 | 1001146183 | 1 | Plate, Hood Frame Baffle | |
| 44 | 1001236408 | 1 | Weldment, Exhaust Stack | |
| 45 | 1001237125 | 1 | Hood, Engine Side (See Items 101-121 for Breakdown) | |
| 46 | 4891600 | 4 | Washer 3/8 | |
| 47 | 1001243414 | 1 | U - Bolt | |
| 48 | 1001160505 | 2 | Strap | |
| | 1001237125 | Ref | ENGINE SIDE HOOD ASSEMBLY | A |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 101 | 0100011 | AR | Compound, Locking | |
| 102 | 0100081 | AR | Adhesive | |
| 103 | 0641510 | 10 | Bolt 5/16 x 1-1/4 | |
| 104 | 0760608 | 1 | Bolt M6 x 16 | |
| 105 | 0902746 | 7 | Bracket | |
| 106 | 0902761 | 1 | Bracket | |
| 107 | 0903161 | 1 | Bracket | |
| 108 | 2560187 | 1 | Handle | |
| 109 | 2680496 | 1 | Hood, Engine Side Rear | |
| 110 | 3290601 | 1 | Nut M6 x 1 | |
| 111 | 3311501 | 10 | Nut 5/16 | |
| 112 | 3340877 | 9 | Pad | |
| 113 | 3575782 | 1 | Plate | |
| 114 | 3900363 | 2 | Screw M6 x 25 | |
| 115 | 3960464 | 12.1 ft /3.7m | Seal | |
| 116 | 4060804 | 5.1 ft /1.6m | Shield, Flex Trim | |
| 117 | 4060806 | 4.1 ft /1.2m | Shield, Flex Trim | |
| 118 | 4751500 | 20 | Washer 5/16 | |
| 119 | 4811900 | 2 | Washer M8 | |
| 120 | 1001117140 | AR | Tape, Aluminized Polyester | |
| 121 | 1001152566 | AR | Insulate | |
| | 1671194 | Ref | TANK SIDE HOOD ASSEMBLY | A |
| 201 | 0100011 | AR | Compound, Locking | |
| 202 | 0100081 | AR | Adhesive | |
| 203 | 0641506 | 9 | Bolt 5/16 x 3/4 | |
| 204 | 0760608 | 1 | Bolt M6 x 16 | |
| 205 | 0902746 | 4 | Bracket | |
| 206 | 0902762 | 1 | Bracket | |
| 207 | 0902763 | 1 | Bracket | |
| 208 | 0903162 | 1 | Bracket | |
| 209 | 1671193 | 1 | Hood, Tank Side Front | |
| 210 | 2560187 | 1 | Handle | |
| 211 | 2680498 | 1 | Hood, Tank Side Rear | |
| 212 | 3290601 | 1 | Nut M6 x 1 | |
| 213 | 3311501 | 9 | Nut 5/16 | |
| 214 | 3340877 | 7 | Pad | |
| 215 | 3900363 | 2 | Screw M6 x 25 | |
| 216 | 3960464 | 12.4 ft /3.8m | Seal | |
| 217 | 4060804 | 4.4 ft /1.3m | Shield, Flex Trim | |
| 218 | 4060806 | 3.3 ft /1m | Shield, Flex Trim | |
| 219 | 4240150 | 1 | Strap | |
| 220 | 4751500 | 18 | Washer 5/16 | |
| 221 | 4811900 | 2 | Washer M8 | |

# SECTION 3 - ENGINE

## FIGURE 3-1. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



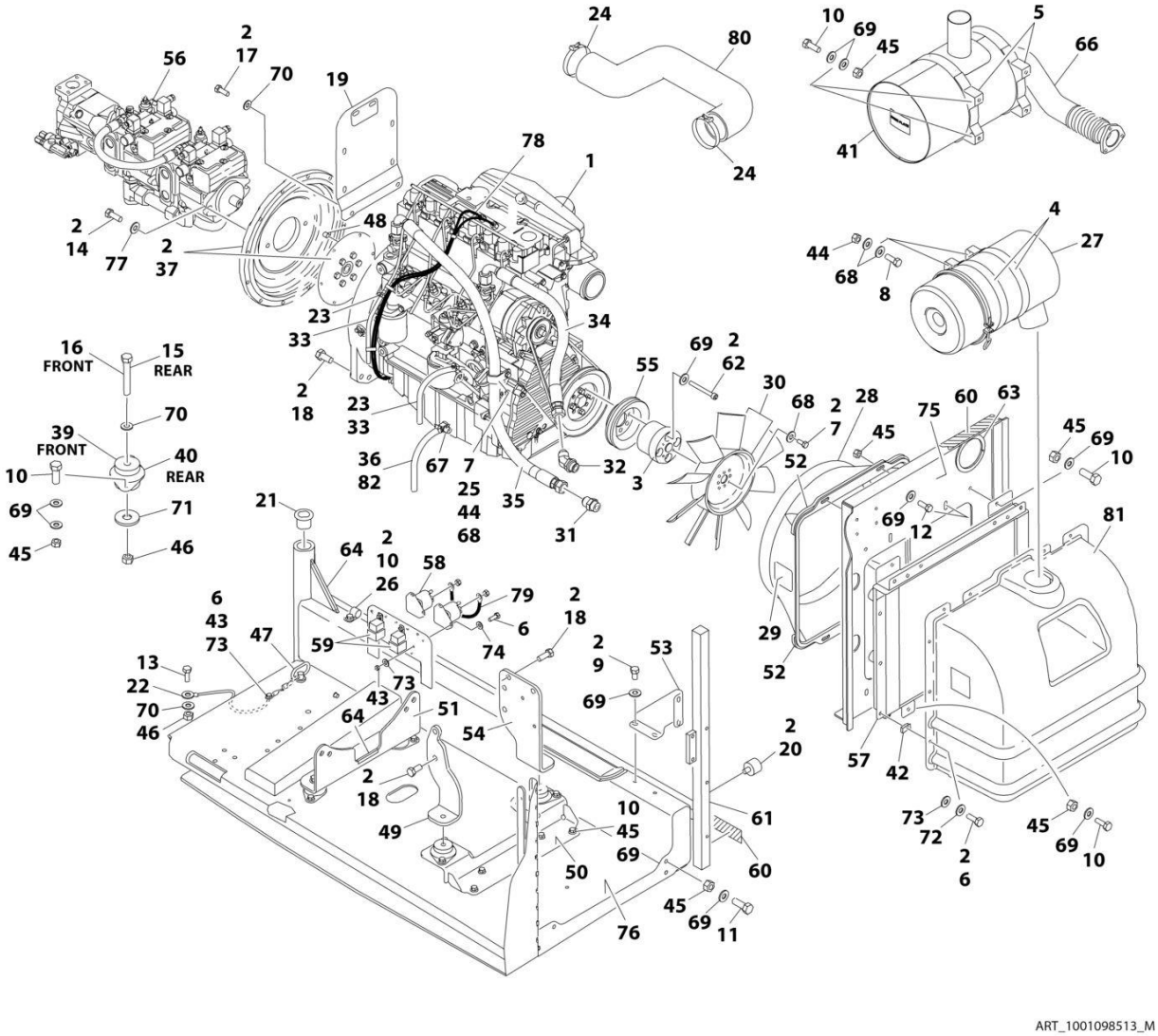
## FIGURE 3-1. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098519 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE) | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 x 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 11 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp | |
| 16 | 1320190 | 1 | Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1001108617 | 1 | Filter, Pressure | |
| 18 | 70002231 | 1 | Element, Filter | |
| 19 | 2120218 | 1 | Filter, High Pressure | |
| 19 | 2120219 | 1 | Element | |
| 19 | 70001344 | 1 | O-Ring, Bowl | |
| 19 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 20 | 2180348 | 1 | Fitting, Barbed | |
| 21 | 2220313 | 1 | Fitting, 90 Barbed | |
| 22 | 2221176 | 1 | Fitting, 90 Elbow | |
| 23 | 2750532 | 5 ft/ 1.5m | Hose | |
| 24 | 2902292 | 1 | Battery Cable Kit | |
| 24A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 24B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 24C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 24D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 24E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 24F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 24G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 25 | 3311505 | 15 | Nut 5/16 | |
| 26 | 3311605 | 4 | Nut 3/8 | |
| 27 | 3380473 | 1 | Panel, Rubber | |
| 28 | 3380498 | 1 | Panel | |
| 29 | 3380723 | 1 | Panel | |
| 30 | 3422446 | 1 | Pin | |
| 31 | 3573644 | 1 | Plate, Tray Clamp | |
| 32 | 3573669 | 1 | Plate, Clamp | |
| 33 | 3573727 | 1 | Plate, Tray Clamp | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 34 | 3573728 | 1 | Plate, Tray Clamp | |
| 35 | 3574633 | 1 | Plate | |
| 36 | 3841143 | 1 | Keeper | |
| 37 | 3900316 | 10 | Screw 3/8 x 1 | |
| 38 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 39 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 40 | 4341110 | 1 | Support | |
| 41 | 4711400 | 4 | Washer 1/4 | |
| 42 | 4711500 | 30 | Washer 5/16 | |
| 43 | 4711600 | 29 | Washer 3/8 | |
| 44 | 4752000 | 1 | Washer 5/8 | |
| 45 | 90028660 | 1 | Clamp | |
| 46 | 1001098513 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-2. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



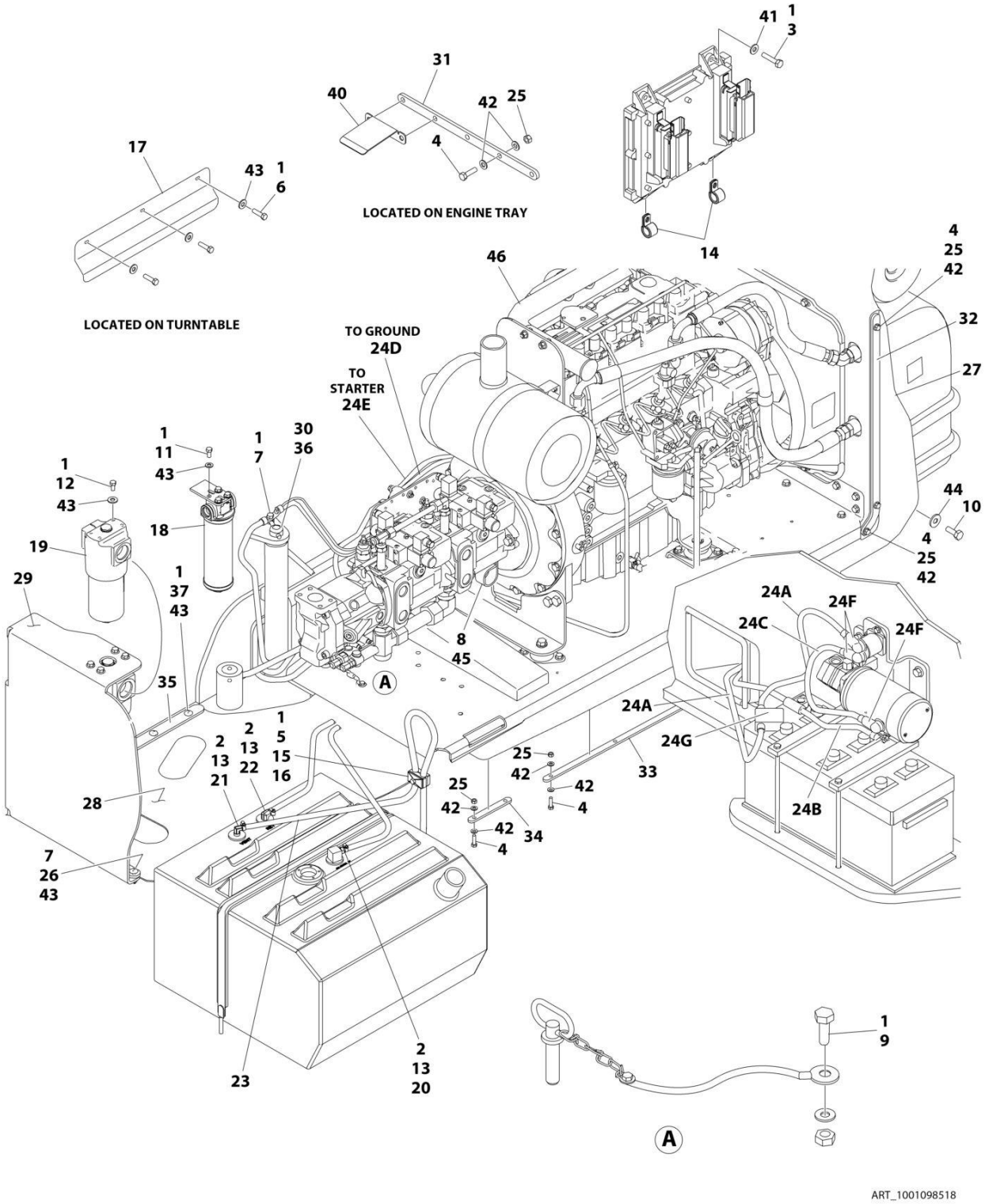
## FIGURE 3-2. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098513 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS | M |
| 1 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0080237 | 1 | Spacer, Fan | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 25 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 10 | Bolt M14 x 30 | |
| 19 | 1001112766 | 1 | Bracket, Muffler | |
| 20 | 0940070 | 1 | Bumper | |
| 21 | 0961986 | 2 | Bushing, Flanged | |
| 22 | 1001131542 | 1 | Lanyard | |
| 23 | 1320022 | 3 | Clamp | |
| 24 | 1320058 | 2 | Clamp | |
| 25 | 1320060 | 1 | Clamp | |
| 26 | 1320223 | 1 | J-Clip | |
| 27 | 1340065 | 1 | Air Cleaner Assembly | |
| 27 | 7003655 | 1 | Element, Air Cleaner | |
| 27 | 7015013 | 1 | Baffle, Rubber | |
| 27 | 7015014 | 1 | Clamp, Cap | |
| 27 | 7015015 | 1 | Cup | |
| 27 | 7015003 | 1 | Wingnut | |
| 28 | 1671023 | 1 | Shroud, Fan | |
| 29 | 1703162 | 2 | Decal - Fan Blade | |
| 30 | 2060025 | 1 | Fan | |
| 31 | 2220451 | 1 | Fitting, Straight | |
| 32 | 2220498 | 1 | Fitting, Elbow | |
| 33 | 2720058 | 34 ft/ 10.3m | Hose | |
| 34 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 35 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 36 | 2750532 | 0.75 ft /0.2m | Hose | |
| 37 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 39 | 3200362 | 2 | Mount, Motor (Front) | |
| 40 | 3200401 | 2 | Mount, Motor (Rear) | |
| 41 | 1001257277 | 1 | Muffler, Spark Arresting | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 3300454 | 10 | Nut 1/4 | |
| 43 | 3311405 | 5 | Nut 1/4 | |
| 44 | 3311505 | 5 | Nut 5/16 | |
| 45 | 3311605 | 30 | Nut 3/8 | |
| 46 | 3311805 | 5 | Nut 1/2 | |
| 47 | 3422532 | 1 | Pin, Hitch | |
| 48 | 3520054 | 2 | Plug | |
| 49 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 50 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 51 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 52 | 3573411 | 2 | Plate, Clamp | |
| 53 | 3573412 | 1 | Gusset | |
| 54 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 55 | 3580158 | 1 | Pulley | |
| 56 | 3600339 | 1 | Pump Assembly - Rexroth (See Separate Breakdown in this Section) | |
| 57 | 1001145382 | 1 | Cooler, Engine Oil | |
| 58 | 3740067 | 2 | Relay, Start | |
| 59 | 3740080 | 2 | Relay | |
| 60 | 3960543 | 1 | Seal | |
| 61 | 3960544 | 1 | Seal | |
| 62 | 4032022 | 4 | Capscrew M10 x 90 | |
| 63 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 64 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 65 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 66 | 4568293 | 1 | Pipe, Exhaust | |
| 67 | 4640751 | 1 | Valve, Oil Drain | |
| 68 | 4711500 | 13 | Washer 5/16 | |
| 69 | 4711600 | 68 | Washer 3/8 | |
| 70 | 4711800 | 7 | Washer 1/2 | |
| 71 | 4740274 | 4 | Washer, Snubbing | |
| 72 | 4740518 | 10 | Washer, Nylon | |
| 73 | 4751400 | 20 | Washer 1/4 | |
| 74 | 4791400 | 4 | Washer 1/4 | |
| 75 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 76 | 4846946 | 1 | Tray | |
| 77 | 4891800 | 2 | Washer 1/2 Hardened | |
| 78 | 4923468 | 1 | Harness, Glow Plugs | |
| 79 | 4923592 | 1 | Cable, Jumper | |
| 80 | 1001225118 | 1 | Hose, Air Intake | |
| 81 | 0272060 | 1 | Box, Air Intake | |
| 82 | 8410013 | 1 | Clamp, Gear | |

## FIGURE 3-3. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



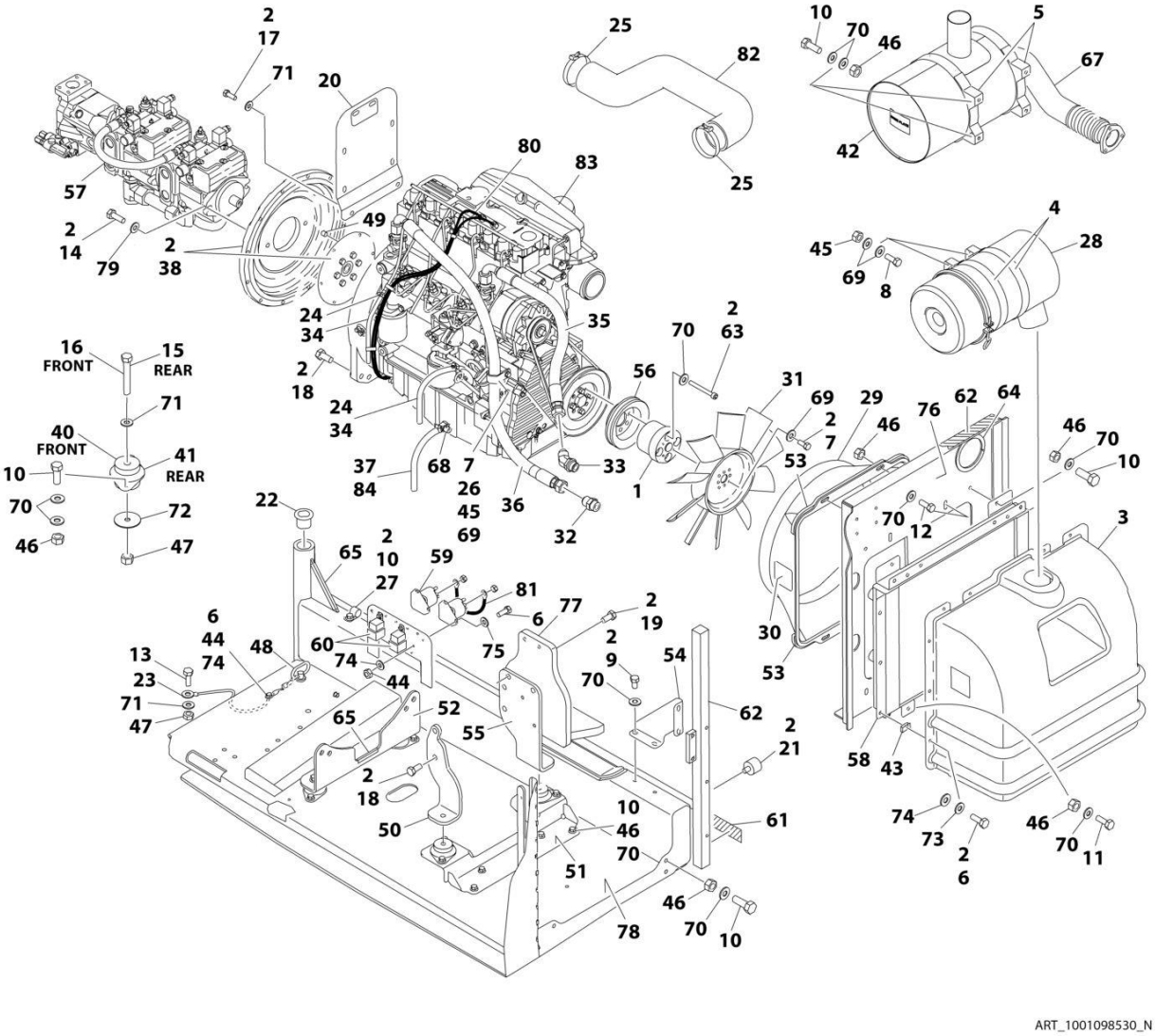
## FIGURE 3-3. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098518 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE) | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 x 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 11 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp, Twin | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1001108617 | 1 | Filter, Pressure | |
| 18 | 70002231 | 1 | Element, Filter | |
| 19 | 2120218 | 1 | Filter, High Pressure | |
| 19 | 2120219 | 1 | Element | |
| 19 | 70001344 | 1 | O-Ring, Bowl | |
| 19 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 20 | 2180348 | 1 | Fitting, Barbed | |
| 21 | 2220313 | 1 | Fitting, 90 Barbed | |
| 22 | 2221176 | 1 | Fitting, 90 Elbow | |
| 23 | 2750532 | 5 ft/ 1.5m | Hose | |
| 24 | 2902292 | 1 | Battery Cable Kit | |
| 24A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 24B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 24C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 24D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 24E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 24F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 24G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 25 | 3311505 | 15 | Nut 5/16 | |
| 26 | 3311605 | 4 | Nut 3/8 | |
| 27 | 3380473 | 1 | Panel, Rubber | |
| 28 | 3380498 | 1 | Panel | |
| 29 | 3380723 | 1 | Panel | |
| 30 | 3422446 | 1 | Pin | |
| 31 | 3573644 | 1 | Plate, Tray Clamp | |
| 32 | 3573669 | 1 | Plate, Clamp | |
| 33 | 3573727 | 1 | Plate, Tray Clamp | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 34 | 3573728 | 1 | Plate, Tray Clamp | |
| 35 | 3574633 | 1 | Plate | |
| 36 | 3841143 | 1 | Keeper | |
| 37 | 3900316 | 10 | Screw 3/8 x 1 | |
| 38 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 39 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 40 | 4341110 | 1 | Support | |
| 41 | 4711400 | 4 | Washer 1/4 | |
| 42 | 4711500 | 30 | Washer 5/16 | |
| 43 | 4711600 | 29 | Washer 3/8 | |
| 44 | 4752000 | 1 | Washer 5/8 | |
| 45 | 90028660 | 1 | Clamp | |
| 46 | 1001098530 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-4. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



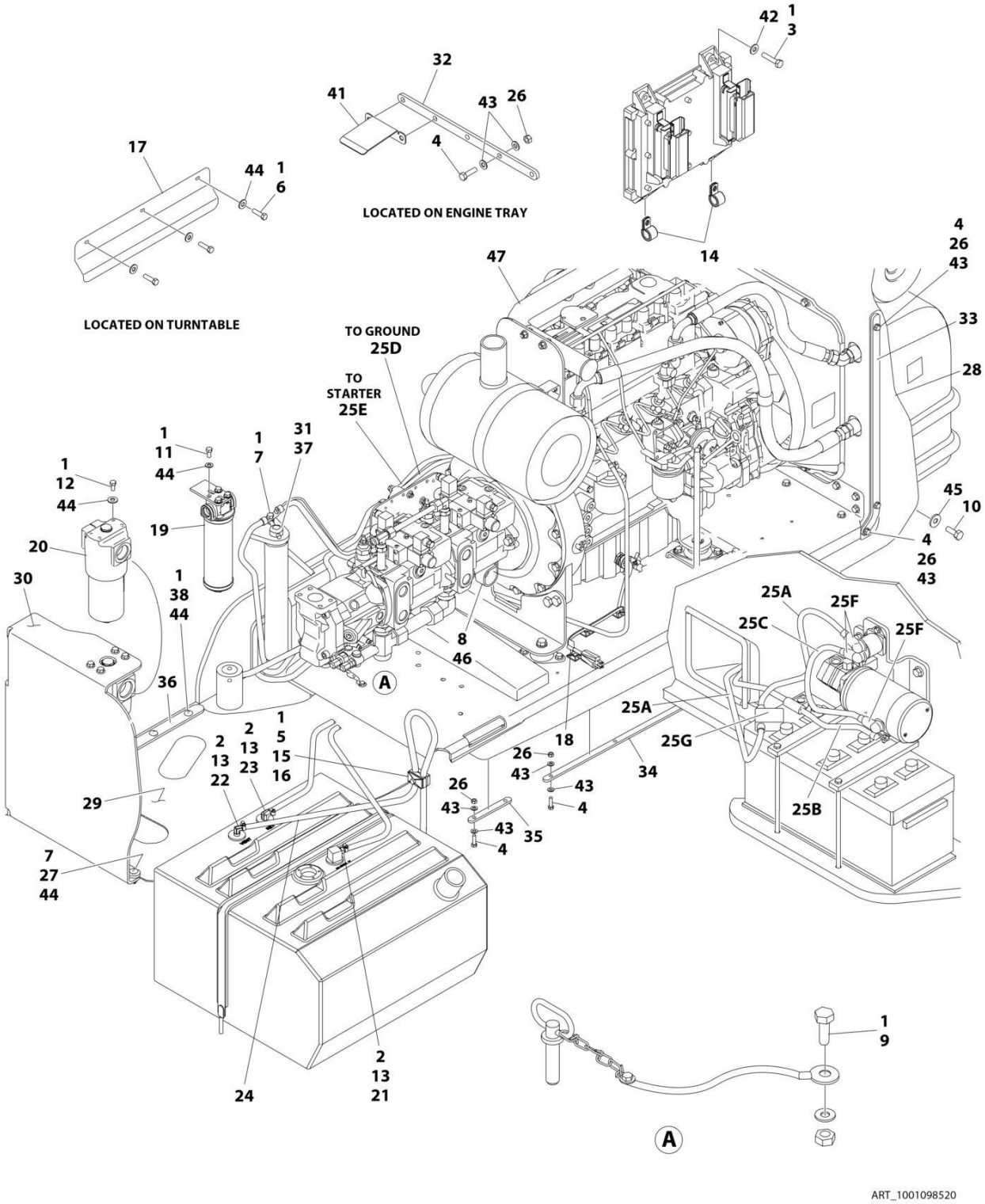
## FIGURE 3-4. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098530 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) | N |
| 1 | 0080244 | 1 | Spacer, Fan | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0272060 | 1 | Box, Air Intake | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 25 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 6 | Bolt M14 x 30 | |
| 19 | 0711417 | 4 | Bolt M14 x 45 | |
| 20 | 1001112766 | 1 | Bracket, Muffler | |
| 21 | 0940070 | 1 | Bumper | |
| 22 | 0961986 | 2 | Bushing, Flanged | |
| 23 | 1001131542 | 1 | Lanyard | |
| 24 | 1320022 | 2 | Clamp | |
| 25 | 1320058 | 2 | Clamp | |
| 26 | 1320060 | 1 | Clamp | |
| 27 | 1320223 | 1 | J-Clip | |
| 28 | 1340065 | 1 | Air Cleaner Assembly | |
| 28 | 7003655 | 1 | Element, Air Cleaner | |
| 28 | 7015013 | 1 | Baffle, Rubber | |
| 28 | 7015014 | 1 | Clamp, Cap | |
| 28 | 7015015 | 1 | Cup | |
| 28 | 7015003 | 1 | Wingnut | |
| 29 | 1671023 | 1 | Shroud, Fan | |
| 30 | 1703162 | 2 | Decal - Fan Blade | |
| 31 | 2060025 | 1 | Fan | |
| 32 | 2220451 | 1 | Fitting, Straight | |
| 33 | 2220498 | 1 | Fitting, Elbow | |
| 34 | 2720058 | 34 ft/ 10.3m | Hose | |
| 35 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 36 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 37 | 2750532 | 0.75 ft /0.2m | Hose | |
| 38 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 40 | 3200362 | 2 | Mount, Motor (Front) | |
| 41 | 3200401 | 2 | Mount, Motor (Rear) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 1001257277 | 1 | Muffler | |
| 43 | 3300454 | 10 | Nut | |
| 44 | 3311405 | 5 | Nut 1/4 | |
| 45 | 3311505 | 5 | Nut 5/16 | |
| 46 | 3311605 | 30 | Nut 3/8 | |
| 47 | 3311805 | 5 | Nut 1/2 | |
| 48 | 3422532 | 1 | Pin, Hitch | |
| 49 | 3520054 | 2 | Plug | |
| 50 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 51 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 52 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 53 | 3573411 | 2 | Plate, Clamp | |
| 54 | 3573412 | 1 | Gusset | |
| 55 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 56 | 3580320 | 1 | Pulley | |
| 57 | 3600339 | 1 | Pump Assembly - Rexroth (See Separate Breakdown in this Section) | |
| 58 | 1001145382 | 1 | Cooler, Engine Oil | |
| 59 | 3740067 | 2 | Relay, Start | |
| 60 | 3740080 | 2 | Relay | |
| 61 | 3960543 | 1 | Seal | |
| 62 | 3960544 | 1 | Seal | |
| 63 | 4032022 | 4 | Capscrew M10 x 90 | |
| 64 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 65 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 66 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 67 | 4568293 | 1 | Pipe, Exhaust | |
| 68 | 4640751 | 1 | Valve, Oil Drain | |
| 69 | 4711500 | 13 | Washer 5/16 | |
| 70 | 4711600 | 68 | Washer 3/8 | |
| 71 | 4711800 | 7 | Washer 1/2 | |
| 72 | 4740274 | 4 | Washer, Snubbing | |
| 73 | 4740518 | 10 | Washer, Nylon | |
| 74 | 4751400 | 20 | Washer 1/4 | |
| 75 | 4791400 | 4 | Washer 1/4 | |
| 76 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 77 | 4846945 | 1 | Mount, Generator | |
| 78 | 4846946 | 1 | Tray | |
| 79 | 4891800 | 2 | Washer 1/2 | |
| 80 | 4923468 | 1 | Harness, Glow Plugs | |
| 81 | 4923592 | 1 | Cable, Jumper | |
| 82 | 1001225118 | 1 | Hose, Air Intake | |
| 83 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 84 | 8410013 | 1 | Clamp, Gear | |

## FIGURE 3-5. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)



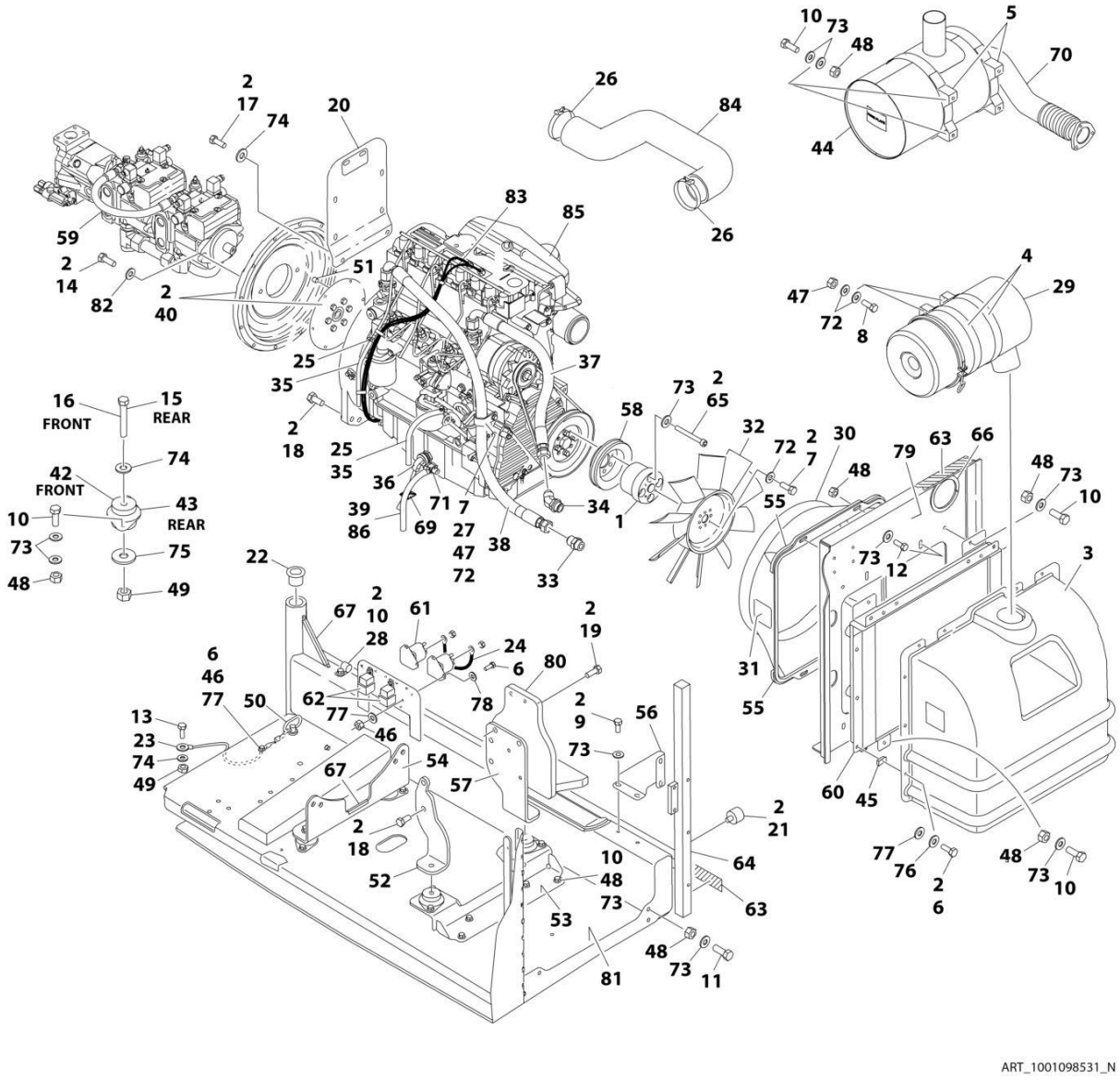
## FIGURE 3-5. DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098520 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE) | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 x 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 11 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp, Twin | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1702942 | 1 | Decal - Engine Block Heater | |
| 19 | 1001108617 | 1 | Filter, Pressure | |
| 19 | 70002231 | 1 | Element, Filter | |
| 20 | 2120218 | 1 | Filter, High Pressure | |
| 20 | 2120219 | 1 | Element | |
| 20 | 70001344 | 1 | O-Ring, Bowl | |
| 20 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 21 | 2180348 | 1 | Fitting, Barbed | |
| 22 | 2220313 | 1 | Fitting, 90 Barbed | |
| 23 | 2221176 | 1 | Fitting, 90 Elbow | |
| 24 | 2750532 | 5 ft/ 1.5m | Hose | |
| 25 | 2902292 | 1 | Battery Cable Kit | |
| 25A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 25B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 25C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 25D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 25E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 25F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 25G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 26 | 3311505 | 15 | Nut 5/16 | |
| 27 | 3311605 | 4 | Nut 3/8 | |
| 28 | 3380473 | 1 | Panel, Rubber | |
| 29 | 3380498 | 1 | Panel | |
| 30 | 3380723 | 1 | Panel | |
| 31 | 3422446 | 1 | Pin | |
| 32 | 3573644 | 1 | Plate, Tray Clamp | |
| 33 | 3573669 | 1 | Plate, Clamp | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 34 | 3573727 | 1 | Plate, Tray Clamp | |
| 35 | 3573728 | 1 | Plate, Tray Clamp | |
| 36 | 3574633 | 1 | Plate | |
| 37 | 3841143 | 1 | Keeper | |
| 38 | 3900316 | 10 | Screw 3/8 x 1 | |
| 39 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 40 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 41 | 4341110 | 1 | Support | |
| 42 | 4711400 | 4 | Washer 1/4 | |
| 43 | 4711500 | 30 | Washer 5/16 | |
| 44 | 4711600 | 29 | Washer 3/8 | |
| 45 | 4752000 | 1 | Washer 5/8 | |
| 46 | 90028660 | 1 | Clamp | |
| 47 | 1001098531 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-6. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)



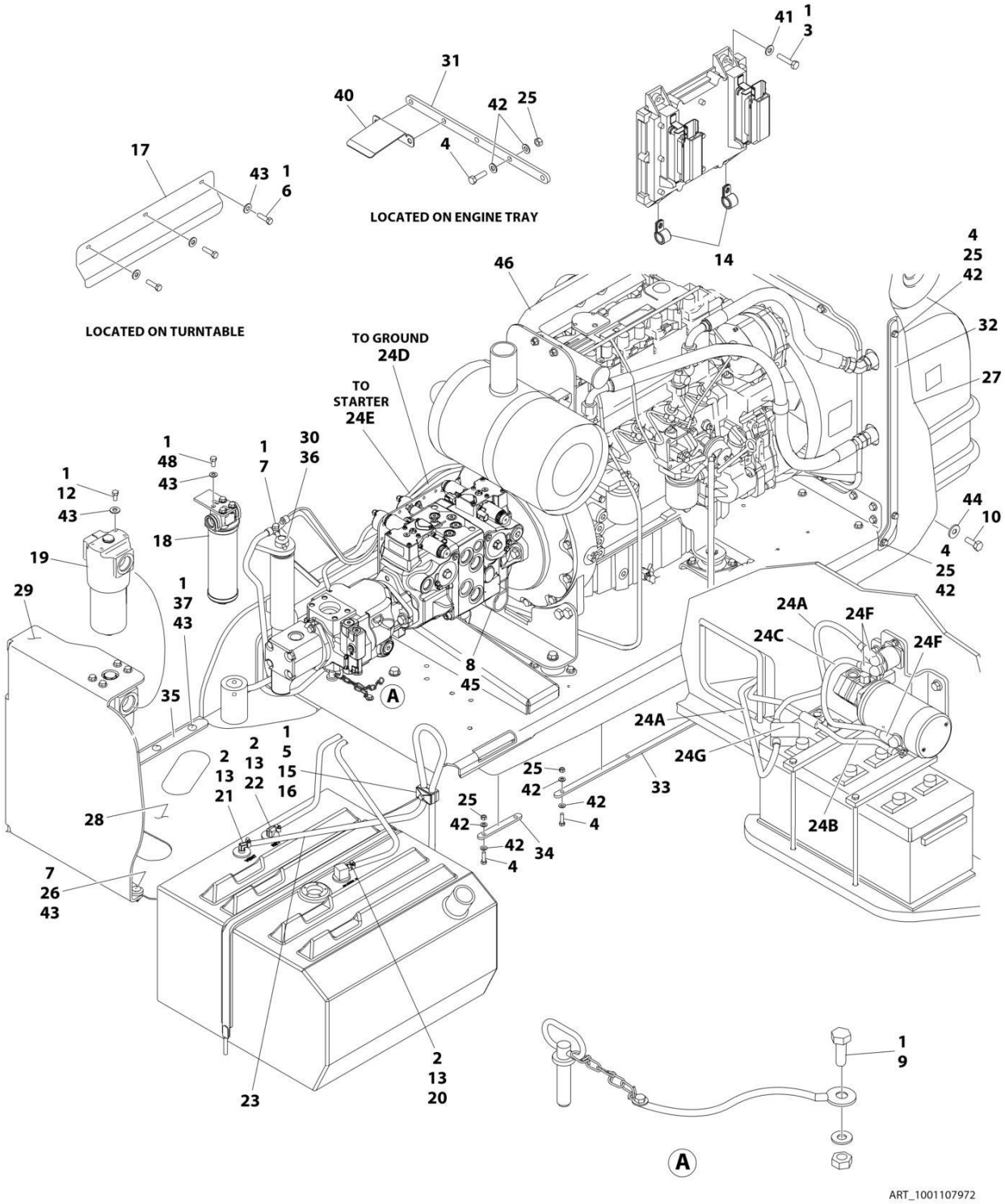
## FIGURE 3-6. DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098531 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH REXROTH PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) | N |
| 1 | 0080244 | 1 | Spacer, Fan | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0272060 | 1 | Box, Air Intake | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 25 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 6 | Bolt M14 x 30 | |
| 19 | 0711417 | 4 | Bolt M14 x 45 | |
| 20 | 1001112766 | 1 | Bracket, Muffler | |
| 21 | 0940070 | 1 | Bumper | |
| 22 | 0961986 | 2 | Bushing, Flanged | |
| 23 | 1001131542 | 1 | Lanyard | |
| 24 | 1060904 | 1 | Cable, Jumper | |
| 25 | 1320022 | 2 | Clamp | |
| 26 | 1320058 | 2 | Clamp | |
| 27 | 1320060 | 1 | Clamp | |
| 28 | 1320223 | 1 | J-Clip | |
| 29 | 1340065 | 1 | Air Cleaner Assembly | |
| 29 | 7003655 | 1 | Element, Air Cleaner | |
| 29 | 7015013 | 1 | Baffle, Rubber | |
| 29 | 7015014 | 1 | Clamp, Cap | |
| 29 | 7015015 | 1 | Cup | |
| 29 | 7015003 | 1 | Wingnut | |
| 30 | 1671023 | 1 | Shroud, Fan | |
| 31 | 1703162 | 2 | Decal - Fan Blade | |
| 32 | 2060025 | 1 | Fan | |
| 33 | 2220451 | 1 | Fitting, Straight | |
| 34 | 2220498 | 1 | Fitting, Elbow | |
| 35 | 2720058 | 34 ft/ 10.3m | Hose | |
| 36 | 2580062 | 1 | Heater, Engine Block | |
| 37 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 38 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 39 | 2750532 | 0.75 ft /0.2m | Hose | |
| 40 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 3200362 | 2 | Mount, Motor (Front) | |
| 43 | 3200401 | 2 | Mount, Motor (Rear) | |
| 44 | 1001257277 | 1 | Muffler | |
| 45 | 3300454 | 10 | Nut 1/4 | |
| 46 | 3311405 | 5 | Nut 1/4 | |
| 47 | 3311505 | 5 | Nut 5/16 | |
| 48 | 3311605 | 30 | Nut 3/8 | |
| 49 | 3311805 | 5 | Nut 1/2 | |
| 50 | 3422532 | 1 | Pin, Hitch | |
| 51 | 3520054 | 2 | Plug | |
| 52 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 53 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 54 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 55 | 3573411 | 2 | Plate, Clamp | |
| 56 | 3573412 | 1 | Gusset | |
| 57 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 58 | 3580320 | 1 | Pulley | |
| 59 | 3600339 | 1 | Pump Assembly - Rexroth (See Separate Breakdown in this Section) | |
| 60 | 1001145382 | 1 | Cooler, Engine Oil | |
| 61 | 3740067 | 2 | Relay, Start | |
| 62 | 3740080 | 2 | Relay | |
| 63 | 3960543 | 1 | Seal | |
| 64 | 3960544 | 1 | Seal | |
| 65 | 4032022 | 4 | Capscrew M10 x 90 | |
| 66 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 67 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 68 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 69 | 4460234 | 3 | Mount, Wire Tie | |
| 70 | 4568293 | 1 | Pipe, Exhaust | |
| 71 | 4640751 | 1 | Valve, Oil Drain | |
| 72 | 4711500 | 13 | Washer 5/16 | |
| 73 | 4711600 | 68 | Washer 3/8 | |
| 74 | 4711800 | 7 | Washer 1/2 | |
| 75 | 4740274 | 4 | Washer, Snubbing | |
| 76 | 4740518 | 10 | Washer, Nylon | |
| 77 | 4751400 | 20 | Washer 1/4 | |
| 78 | 4791400 | 4 | Washer 1/4 | |
| 79 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 80 | 4846945 | 1 | Mount, Generator | |
| 81 | 4846946 | 1 | Tray | |
| 82 | 4891800 | 2 | Washer 1/2 Hardened | |
| 83 | 4923468 | 1 | Harness, Glow Plugs | |
| 84 | 1001225118 | 1 | Hose, Air Intake | |
| 85 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 86 | 8410013 | 1 | Clamp, Gear | |

## FIGURE 3-7. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

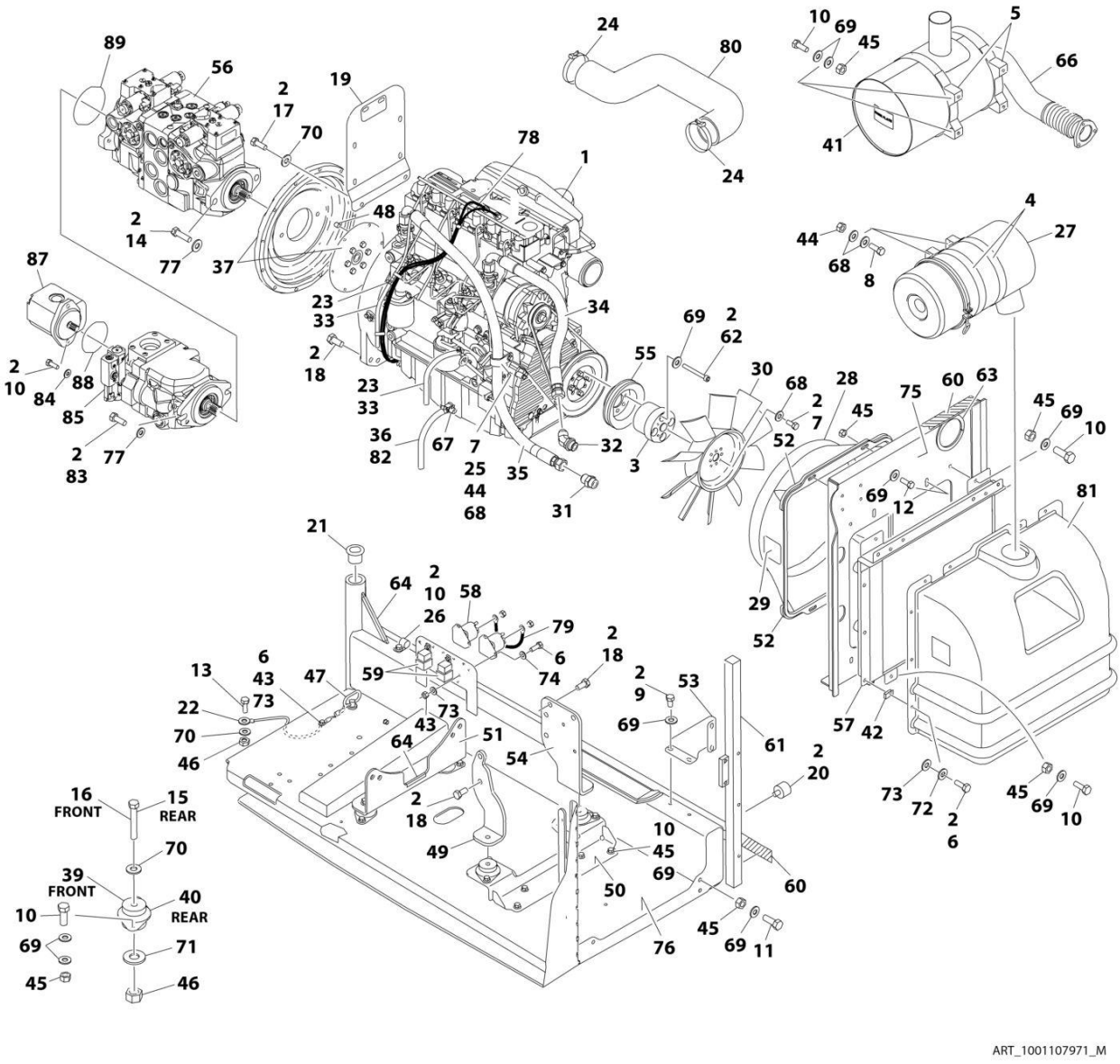


## FIGURE 3-7. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107972 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE) | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 x 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp, Twin | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1001108617 | 1 | Filter, Pressure | |
| 18 | 70002231 | 1 | Element, Filter | |
| 19 | 2120218 | 1 | Filter, High Pressure | |
| 19 | 2120219 | 1 | Element | |
| 19 | 70001344 | 1 | O-Ring, Bowl | |
| 19 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 20 | 2180348 | 1 | Fitting, Barbed | |
| 21 | 2220313 | 1 | Fitting, 90 Barbed | |
| 22 | 2221176 | 1 | Fitting, 90 Elbow | |
| 23 | 2750532 | 5 ft/ 1.5m | Hose | |
| 24 | 2902292 | 1 | Battery Cable Kit | |
| 24A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 24B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 24C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 24D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 24E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 24F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 24G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 25 | 3311505 | 15 | Nut 5/16 | |
| 26 | 3311605 | 4 | Nut 3/8 | |
| 27 | 3380473 | 1 | Panel, Rubber | |
| 28 | 3380498 | 1 | Panel | |
| 29 | 3380723 | 1 | Panel | |
| 30 | 3422446 | 1 | Pin | |
| 31 | 3573644 | 1 | Plate, Tray Clamp | |
| 32 | 3573669 | 1 | Plate, Clamp | |
| 33 | 3573727 | 1 | Plate, Tray Clamp | |
| 34 | 3573728 | 1 | Plate, Tray Clamp | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 35 | 3574633 | 1 | Plate | |
| 36 | 3841143 | 1 | Keeper | |
| 37 | 3900316 | 10 | Screw 3/8 x 1 | |
| 38 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 39 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 40 | 4341110 | 1 | Support | |
| 41 | 4711400 | 4 | Washer 1/4 | |
| 42 | 4711500 | 30 | Washer 5/16 | |
| 43 | 4711600 | 29 | Washer 3/8 | |
| 44 | 4752000 | 1 | Washer 5/8 | |
| 45 | 90028660 | 1 | Clamp | |
| 46 | 1001107971 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |
| 48 | 0641606 | 4 | Bolt 3/8 x 3/4 | |

## FIGURE 3-8. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



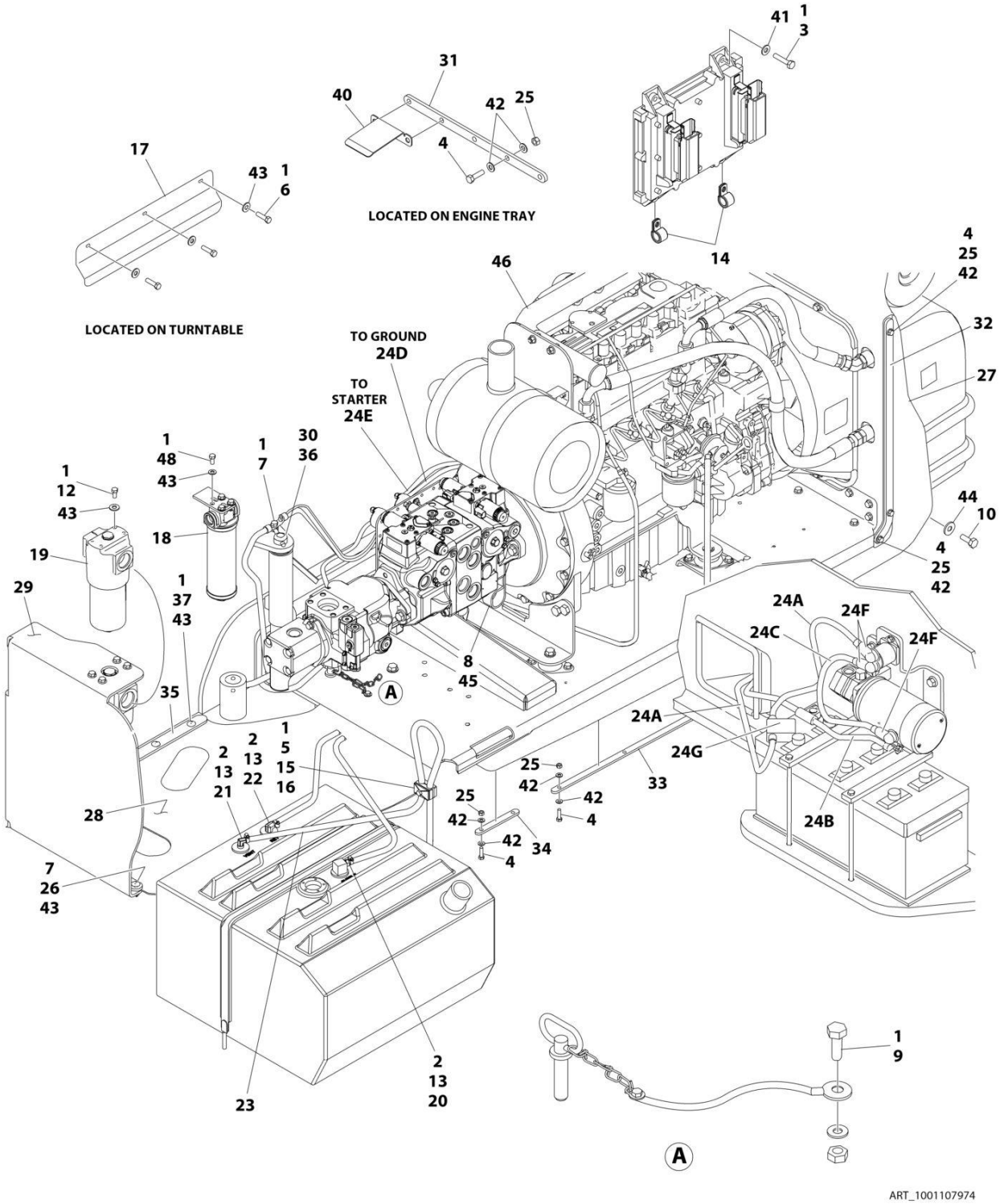
## FIGURE 3-8. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITHOUT GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107971 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITHOUT SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) | M |
| 1 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0080237 | 1 | Spacer, Fan | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 27 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 10 | Bolt M14 x 30 | |
| 19 | 1001112766 | 1 | Bracket, Muffler | |
| 20 | 0940070 | 1 | Bumper | |
| 21 | 0961986 | 2 | Bushing, Flanged | |
| 22 | 1001131542 | 1 | Lanyard | |
| 23 | 1320022 | 3 | Clamp | |
| 24 | 1320058 | 2 | Clamp | |
| 25 | 1320060 | 1 | Clamp | |
| 26 | 1320223 | 1 | J-Clip | |
| 27 | 1340065 | 1 | Air Cleaner Assembly | |
| 27 | 7003655 | 1 | Element, Air Cleaner | |
| 27 | 7015013 | 1 | Baffle, Rubber | |
| 27 | 7015014 | 1 | Clamp, Cap | |
| 27 | 7015015 | 1 | Cup | |
| 27 | 7015003 | 1 | Wingnut | |
| 28 | 1671023 | 1 | Shroud, Fan | |
| 29 | 1703162 | 2 | Decal - Fan Blade | |
| 30 | 2060025 | 1 | Fan | |
| 31 | 2220451 | 1 | Fitting, Straight | |
| 32 | 2220498 | 1 | Fitting, Elbow | |
| 33 | 2720058 | 34 ft /10.3m | Hose | |
| 34 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 35 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 36 | 2750532 | 0.75 ft /0.2m | Hose | |
| 37 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 39 | 3200362 | 2 | Mount, Motor (Front) | |
| 40 | 3200401 | 2 | Mount, Motor (Rear) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 41 | 1001257277 | 1 | Muffler | |
| 42 | 3300454 | 10 | Nut 1/4 | |
| 43 | 3311405 | 5 | Nut 1/4 | |
| 44 | 3311505 | 5 | Nut 5/16 | |
| 45 | 3311605 | 30 | Nut 3/8 | |
| 46 | 3311805 | 5 | Nut 1/2 | |
| 47 | 3422532 | 1 | Pin, Hitch | |
| 48 | 3520054 | 2 | Plug | |
| 49 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 50 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 51 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 52 | 3573411 | 2 | Plate, Clamp | |
| 53 | 3573412 | 1 | Gusset | |
| 54 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 55 | 3580158 | 1 | Pulley | |
| 56 | 1001108616 | 1 | Pump Assembly - Sauer (See Separate Breakdown in this Section) | |
| 57 | 1001145382 | 1 | Cooler, Engine Oil | |
| 58 | 3740067 | 2 | Relay, Start | |
| 59 | 3740080 | 2 | Relay | |
| 60 | 3960543 | 1 | Seal | |
| 61 | 3960544 | 1 | Seal | |
| 62 | 4032022 | 4 | Capscrew M10 x 90 | |
| 63 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 64 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 65 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 66 | 4568293 | 1 | Pipe, Exhaust | |
| 67 | 4640751 | 1 | Valve, Oil Drain | |
| 68 | 4711500 | 13 | Washer 5/16 | |
| 69 | 4711600 | 68 | Washer 3/8 | |
| 70 | 4711800 | 7 | Washer 1/2 | |
| 71 | 4740274 | 4 | Washer, Snubbing | |
| 72 | 4740518 | 10 | Washer, Nylon | |
| 73 | 4751400 | 20 | Washer 1/4 | |
| 74 | 4791400 | 4 | Washer 1/4 | |
| 75 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 76 | 4846946 | 1 | Tray | |
| 77 | 4891800 | 4 | Washer 1/2 | |
| 78 | 4923468 | 1 | Harness, Glow Plugs | |
| 79 | 4923592 | 1 | Cable, Jumper | |
| 80 | 1001225118 | 1 | Hose, Air Intake | |
| 81 | 0272060 | 1 | Box, Air Intake | |
| 82 | 8410013 | 1 | Clamp, Gear | |
| 83 | 0761215 | 2 | Bolt M12 x 35mm | |
| 84 | 4891600 | 2 | Washer 3/8 | |
| 85 | 1001171095 | 1 | Pump Assembly - Sauer Piston (See Separate Breakdown in this Section) | |
| 87 | 1001112927 | 1 | Pump Assembly - Sauer Gear (See Separate Breakdown in this Section) | |
| 88 | 3790152 | 1 | O-Ring | |
| 89 | 3790155 | 1 | O-Ring | |

## FIGURE 3-9. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

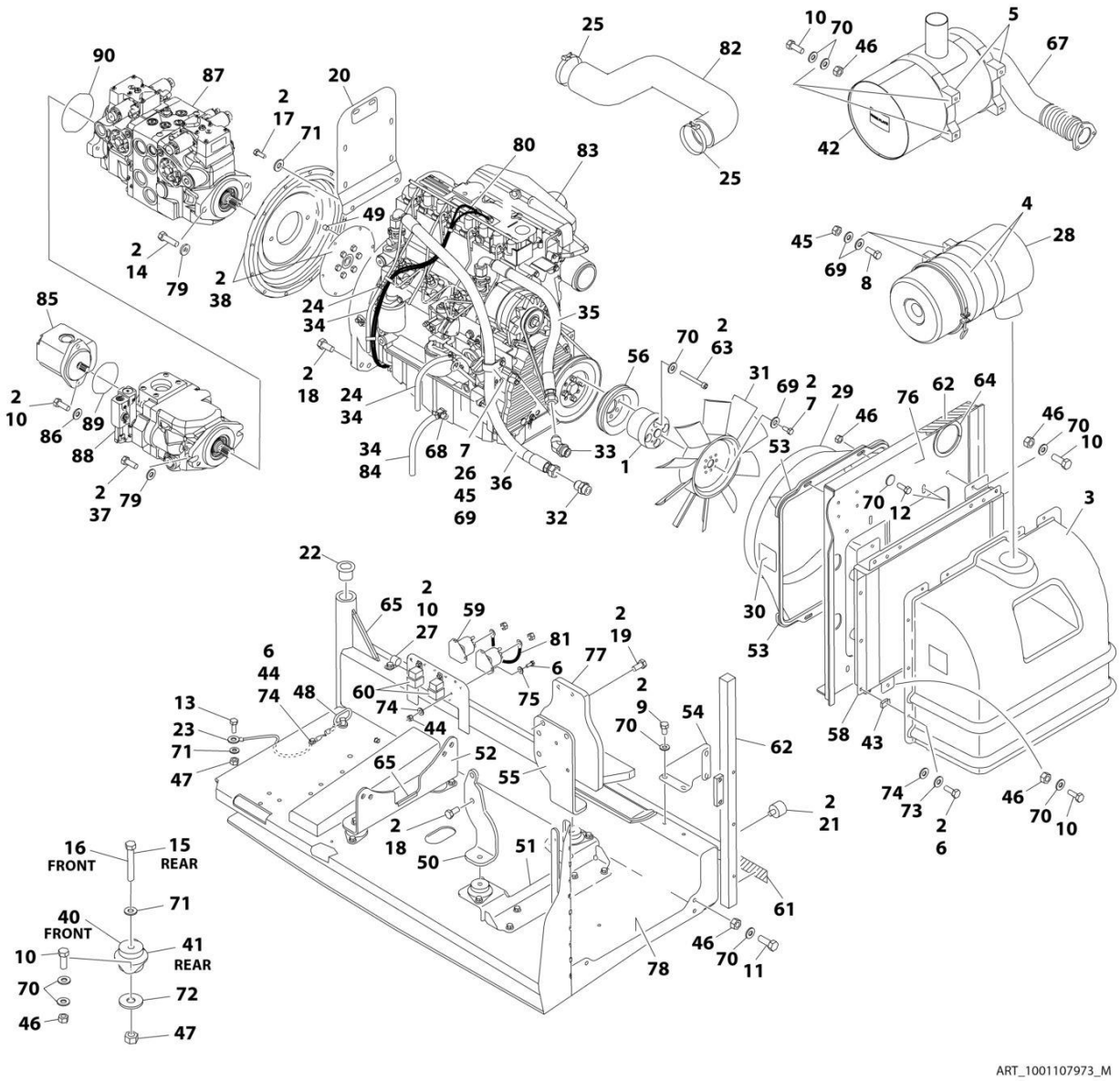


## FIGURE 3-9. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107974 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE) | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 x 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp, Twin | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1001108617 | 1 | Filter, Pressure | |
| 18 | 70002231 | 1 | Element, Filter | |
| 19 | 2120218 | 1 | Filter, High Pressure | |
| 19 | 2120219 | 1 | Element | |
| 19 | 70001344 | 1 | O-Ring, Bowl | |
| 19 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 20 | 2180348 | 1 | Fitting, Barbed | |
| 21 | 2220313 | 1 | Fitting, 90 Barbed | |
| 22 | 2221176 | 1 | Fitting, 90 Elbow | |
| 23 | 2750532 | 5 ft/ 1.5m | Hose | |
| 24 | 2902292 | 1 | Battery Cable Kit | |
| 24A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 24B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 24C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 24D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 24E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 24F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 24G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 25 | 3311505 | 15 | Nut 5/16 | |
| 26 | 3311605 | 4 | Nut 3/8 | |
| 27 | 3380473 | 1 | Panel, Rubber | |
| 28 | 3380498 | 1 | Panel | |
| 29 | 3380723 | 1 | Panel | |
| 30 | 3422446 | 1 | Pin | |
| 31 | 3573644 | 1 | Plate, Tray Clamp | |
| 32 | 3573669 | 1 | Plate, Clamp | |
| 33 | 3573727 | 1 | Plate, Tray Clamp | |
| 34 | 3573728 | 1 | Plate, Tray Clamp | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 35 | 3574633 | 1 | Plate | |
| 36 | 3841143 | 1 | Keeper | |
| 37 | 3900316 | 10 | Screw 3/8 x 1 | |
| 38 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 39 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 40 | 4341110 | 1 | Support | |
| 41 | 4711400 | 4 | Washer 1/4 | |
| 42 | 4711500 | 30 | Washer 5/16 | |
| 43 | 4711600 | 29 | Washer 3/8 | |
| 44 | 4752000 | 1 | Washer 5/8 | |
| 45 | 90028660 | 1 | Clamp | |
| 46 | 1001107973 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |
| 48 | 0641606 | 4 | Bolt 3/8 x 3/4 | |

## FIGURE 3-10. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)



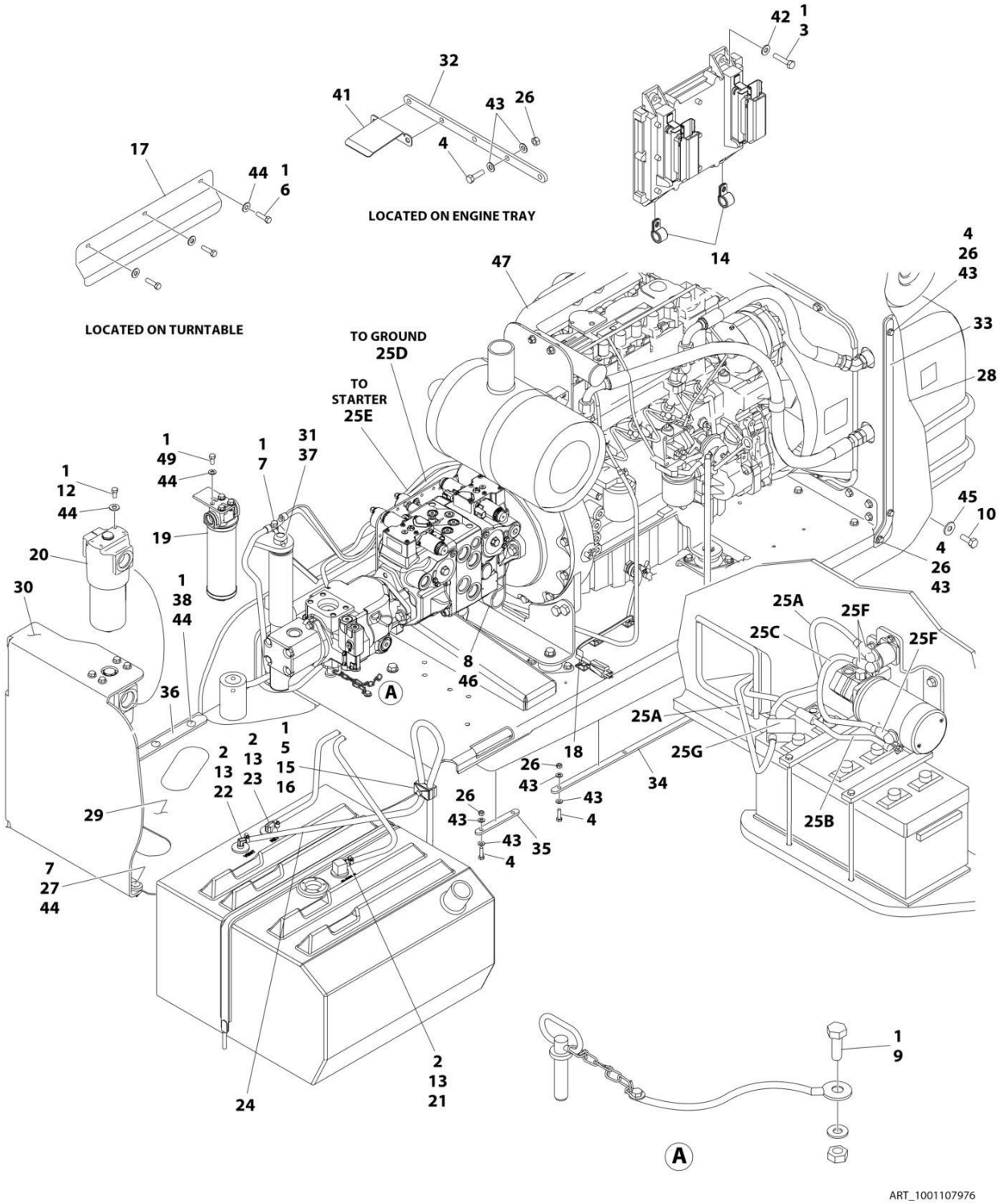
## FIGURE 3-10. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITH GENERATOR AND WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107973 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITHOUT COLD WEATHER PLUS PACKAGE) | N |
| 1 | 0080244 | 1 | Spacer, Fan | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0272060 | 1 | Box, Air Intake | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 27 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 6 | Bolt M14 x 30 | |
| 19 | 0711417 | 4 | Bolt M14 x 45 | |
| 20 | 1001112766 | 1 | Bracket, Muffler | |
| 21 | 0940070 | 1 | Bumper | |
| 22 | 0961986 | 2 | Bushing, Flanged | |
| 23 | 1001131542 | 1 | Lanyard | |
| 24 | 1320022 | 2 | Clamp | |
| 25 | 1320058 | 2 | Clamp | |
| 26 | 1320060 | 1 | Clamp | |
| 27 | 1320223 | 1 | J-Clip | |
| 28 | 1340065 | 1 | Air Cleaner Assembly | |
| 28 | 7003655 | 1 | Element, Air Cleaner | |
| 28 | 7015013 | 1 | Baffle, Rubber | |
| 28 | 7015014 | 1 | Clamp, Cap | |
| 28 | 7015015 | 1 | Cup | |
| 28 | 7015003 | 1 | Wingnut | |
| 29 | 1671023 | 1 | Shroud, Fan | |
| 30 | 1703162 | 2 | Decal - Fan Blade | |
| 31 | 2060025 | 1 | Fan | |
| 32 | 2220451 | 1 | Fitting, Straight | |
| 33 | 2220498 | 1 | Fitting, Elbow | |
| 34 | 2720058 | 34 ft/ 10.3m | Hose | |
| 35 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 36 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 37 | 0761215 | 2 | Bolt M12 x 35mm | |
| 38 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 40 | 3200362 | 2 | Mount, Motor (Front) | |
| 41 | 3200401 | 2 | Mount, Motor (Rear) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 1001257277 | 1 | Muffler | |
| 43 | 3300454 | 10 | Nut | |
| 44 | 3311405 | 5 | Nut 1/4 | |
| 45 | 3311505 | 5 | Nut 5/16 | |
| 46 | 3311605 | 30 | Nut 3/8 | |
| 47 | 3311805 | 5 | Nut 1/2 | |
| 48 | 3422532 | 1 | Pin, Hitch | |
| 49 | 3520054 | 2 | Plug | |
| 50 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 51 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 52 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 53 | 3573411 | 2 | Plate, Clamp | |
| 54 | 3573412 | 1 | Gusset | |
| 55 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 56 | 3580320 | 1 | Pulley | |
| 58 | 1001145382 | 1 | Cooler, Engine Oil | |
| 59 | 3740067 | 2 | Relay, Start | |
| 60 | 3740080 | 2 | Relay | |
| 61 | 3960543 | 1 | Seal | |
| 62 | 3960544 | 1 | Seal | |
| 63 | 4032022 | 4 | Capscrew M10 x 90 | |
| 64 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 65 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 66 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 67 | 4568293 | 1 | Pipe, Exhaust | |
| 68 | 4640751 | 1 | Valve, Oil Drain | |
| 69 | 4711500 | 13 | Washer 5/16 | |
| 70 | 4711600 | 68 | Washer 3/8 | |
| 71 | 4711800 | 7 | Washer 1/2 | |
| 72 | 4740274 | 4 | Washer, Snubbing | |
| 73 | 4740518 | 10 | Washer, Nylon | |
| 74 | 4751400 | 20 | Washer 1/4 | |
| 75 | 4791400 | 4 | Washer 1/4 | |
| 76 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 77 | 4846945 | 1 | Mount, Generator | |
| 78 | 4846946 | 1 | Tray | |
| 79 | 4891800 | 4 | Washer 1/2 | |
| 80 | 4923468 | 1 | Harness, Glow Plugs | |
| 81 | 4923592 | 1 | Cable, Jumper | |
| 82 | 1001225118 | 1 | Hose, Air Intake | |
| 83 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 84 | 8410013 | 1 | Clamp, Gear | |
| 85 | 1001112927 | 1 | Pump Assembly - Sauer Gear (See Separate Breakdown in this Section) | |
| 86 | 4891600 | 2 | Washer 3/8 | |
| 87 | 1001108616 | 1 | Pump Assembly - Sauer (See Separate Breakdown in this Section) | |
| 88 | 1001171095 | 1 | Pump Assembly - Sauer Piston (See Separate Breakdown in this Section) | |
| 89 | 3790152 | 1 | O-Ring | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 90 | 3790155 | 1 | O-Ring | |
| 91 | 2750532 | 0.8 ft/ 0.2m | Hose | |

## FIGURE 3-11. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)



## FIGURE 3-11. DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)

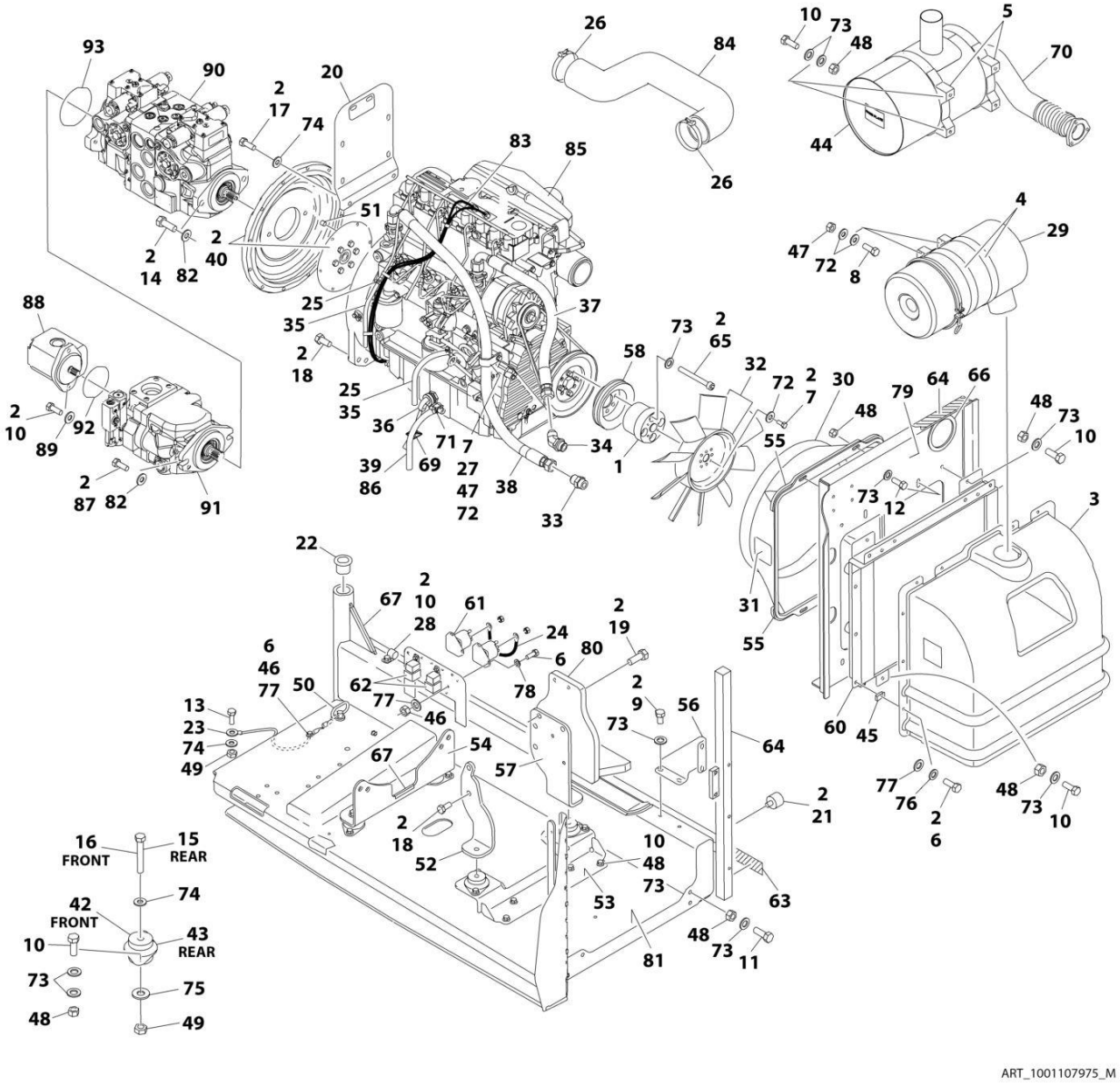
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107976 | Ref | DEUTZ TD2011 ENGINE INSTALLATION - WITH SAUER PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE) | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 4 | 0641509 | 15 | Bolt 5/16 x 1-1/8 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641610 | 5 | Bolt 3/8 X 1-1/4 | |
| 8 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 9 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 10 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 12 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 13 | 1320022 | 3 | Clamp | |
| 14 | 1320041 | 2 | Clamp | |
| 15 | 1320187 | 1 | Clamp, Twin | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover, Generator | |
| 18 | 1702942 | 1 | Decal - Engine Block Heater | |
| 19 | 1001108617 | 1 | Filter, Pressure | |
| 19 | 70002231 | 1 | Element, Filter | |
| 20 | 2120218 | 1 | Filter, High Pressure | |
| 20 | 2120219 | 1 | Element | |
| 20 | 70001344 | 1 | O-Ring, Bowl | |
| 20 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 21 | 2180348 | 1 | Fitting, Barbed | |
| 22 | 2220313 | 1 | Fitting, 90 Barbed | |
| 23 | 2221176 | 1 | Fitting, 90 | |
| 24 | 2750532 | 5 ft/ 1.5m | Hose | |
| 25 | 2902292 | 1 | Battery Cable Kit | |
| 25A | 7027008 | 1 | Cable, Red (To Aux Pump Relay, Battery Positive Terminal and Start Relay) | |
| 25B | 7027009 | 1 | Cable, Black (To Aux Pump, Battery Negative Terminal and Ground at Tray Pivot) | |
| 25C | 7027010 | 1 | Cable, Red (Aux Pump Relay to Aux Pump) | |
| 25D | 7027011 | 1 | Cable, Black (Tray Pivot to Engine Mount) | |
| 25E | 7024584 | 1 | Cable, Red (Start Relay to Starter) | |
| 25F | See Note | NSS | Boot, Terminal (Red) (Note: Not Available for Purchase) | |
| 25G | See Note | NSS | Boot, Square Terminal (Red) (Note: Not Available for Purchase) | |
| 26 | 3311505 | 15 | Nut 5/16 | |
| 27 | 3311605 | 4 | Nut 3/8 | |
| 28 | 3380473 | 1 | Panel, Rubber | |
| 29 | 3380498 | 1 | Panel | |
| 30 | 3380723 | 1 | Panel | |
| 31 | 3422446 | 1 | Pin | |
| 32 | 3573644 | 1 | Plate, Tray Clamp | |
| 33 | 3573669 | 1 | Plate, Clamp | |
| 34 | 3573727 | 1 | Plate, Tray Clamp | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 35 | 3573728 | 1 | Plate, Tray Clamp | |
| 36 | 3574633 | 1 | Plate | |
| 37 | 3841143 | 1 | Keeper, Pin | |
| 38 | 3900316 | 10 | Screw 3/8 x 1 | |
| 39 | 4240018 | 2 | Strap, Cable Tie (Not Shown) | |
| 40 | 4240033 | AR | Tie, Wire (Not Shown) | |
| 41 | 4341110 | 1 | Support | |
| 42 | 4711400 | 4 | Washer 1/4 | |
| 43 | 4711500 | 30 | Washer 5/16 | |
| 44 | 4711600 | 29 | Washer 3/8 | |
| 45 | 4752000 | 1 | Washer 5/8 | |
| 46 | 90028660 | 1 | Clamp | |
| 47 | 1001107975 | 1 | Engine and Pump Assembly (See Separate Breakdown in this Section) | |
| 49 | 0641606 | 4 | Bolt 3/8 x 3/4 | |

# SECTION 3 - ENGINE

## FIGURE 3-12. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)



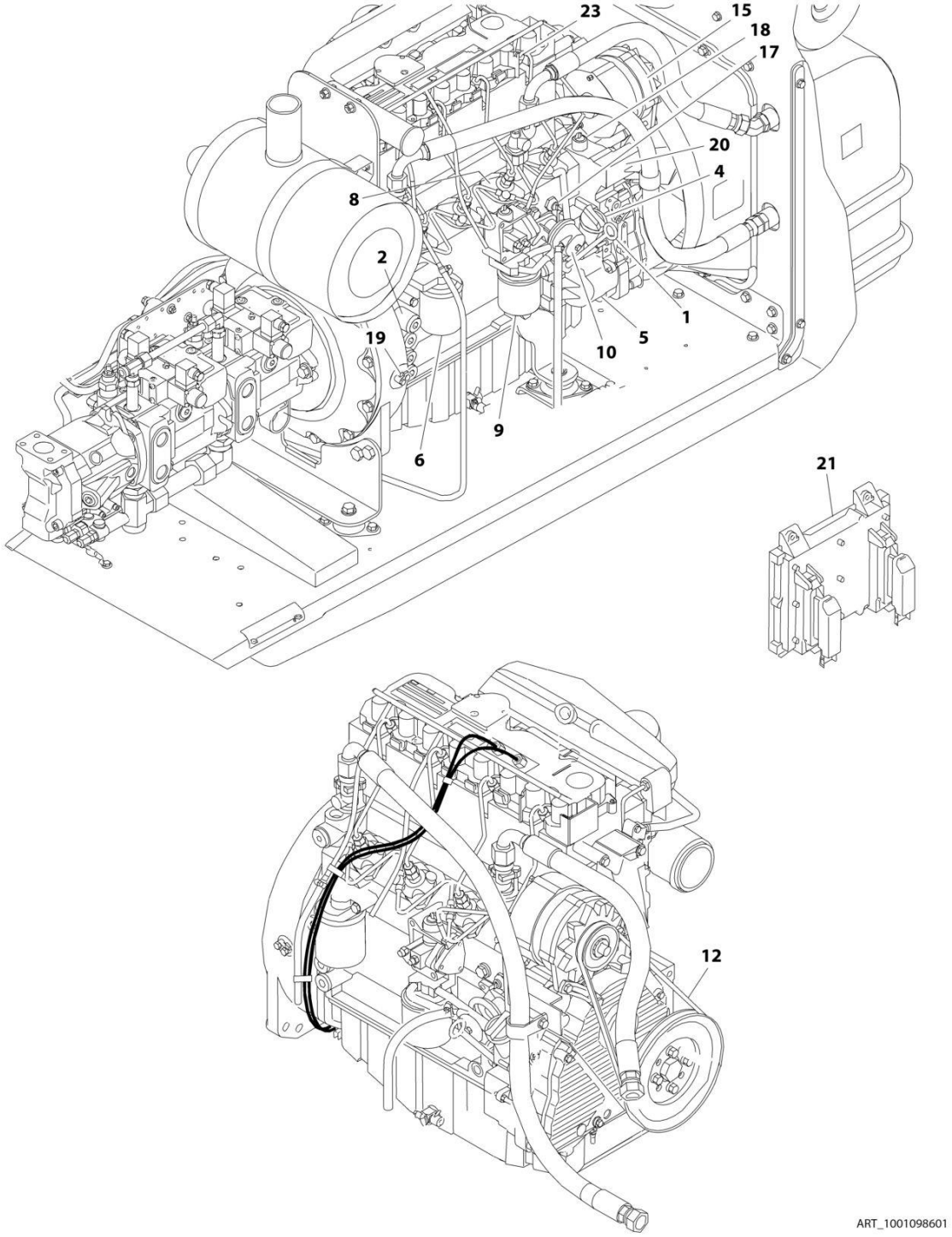
## FIGURE 3-12. DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMP (WITH GENERATOR AND WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001107975 | Ref | DEUTZ TD2011 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH SKYPOWER AND WITH COLD WEATHER PLUS PACKAGE) | M |
| 1 | 0080244 | 1 | Spacer, Fan | |
| 2 | 0100011 | AR | Compound, Locking | |
| 3 | 0272060 | 1 | Box, Air Intake | |
| 4 | 0340003 | 2 | Band, Air Cleaner | |
| 5 | 0340051 | 2 | Band, Muffler | |
| 6 | 0641406 | 15 | Bolt 1/4 x 3/4 | |
| 7 | 0641506 | 5 | Bolt 5/16 x 3/4 | |
| 8 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 9 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 10 | 0641608 | 27 | Bolt 3/8 x 1 | |
| 11 | 0641609 | 2 | Bolt 3/8 x 1-1/8 | |
| 12 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 13 | 0641808 | 1 | Bolt 1/2 x 1 | |
| 14 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 15 | 0641818 | 2 | Bolt 1/2 x 2-1/4 | |
| 16 | 0641826 | 2 | Bolt 1/2 x 3-1/4 | |
| 17 | 0711214 | 2 | Bolt M12 x 30 | |
| 18 | 0771414 | 6 | Bolt M14 x 30 | |
| 19 | 0711417 | 4 | Bolt M14 x 45 | |
| 20 | 1001112766 | 1 | Bracket, Muffler | |
| 21 | 0940070 | 1 | Bumper | |
| 22 | 0961986 | 2 | Bushing, Flanged | |
| 23 | 1001131542 | 1 | Lanyard | |
| 24 | 1060904 | 1 | Cable, Jumper | |
| 25 | 1320022 | 2 | Clamp | |
| 26 | 1320058 | 2 | Clamp | |
| 27 | 1320060 | 1 | Clamp | |
| 28 | 1320223 | 1 | J-Clip | |
| 29 | 1340065 | 1 | Air Cleaner Assembly | |
| 29 | 7003655 | 1 | Element, Air Cleaner | |
| 29 | 7015013 | 1 | Baffle, Rubber | |
| 29 | 7015014 | 1 | Clamp, Cap | |
| 29 | 7015015 | 1 | Cup | |
| 29 | 7015003 | 1 | Wingnut | |
| 30 | 1671023 | 1 | Shroud, Fan | |
| 31 | 1703162 | 2 | Decal - Fan Blade | |
| 32 | 2060025 | 1 | Fan | |
| 33 | 2220451 | 1 | Fitting, Straight | |
| 34 | 2220498 | 1 | Fitting, Elbow | |
| 35 | 2720058 | 34 ft/ 10.3m | Hose | |
| 36 | 2580062 | 1 | Heater, Engine Block | |
| 37 | 2720500 | 1 | Hose, Oil Cooler (Top) | |
| 38 | 2720501 | 1 | Hose, Oil Cooler (Bottom) | |
| 39 | 2750532 | 0.75 ft /0.2m | Hose | |
| 40 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section)) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 3200362 | 2 | Mount, Motor (Front) | |
| 43 | 3200401 | 2 | Mount, Motor (Rear) | |
| 44 | 1001257277 | 1 | Muffler | |
| 45 | 3300454 | 10 | Nut | |
| 46 | 3311405 | 5 | Nut 1/4 | |
| 47 | 3311505 | 5 | Nut 5/16 | |
| 48 | 3311605 | 30 | Nut 3/8 | |
| 49 | 3311805 | 5 | Nut 1/2 | |
| 50 | 3422532 | 1 | Pin, Hitch | |
| 51 | 3520054 | 2 | Plug | |
| 52 | 3537416 | 1 | Plate, Mounting (Front Right) | |
| 53 | 3539971 | 1 | Bracket, Engine Mounting (Front) | |
| 54 | 3573142 | 1 | Bracket, Engine Mounting (Rear) | |
| 55 | 3573411 | 2 | Plate, Clamp | |
| 56 | 3573412 | 1 | Gusset | |
| 57 | 3573529 | 1 | Plate, Mounting (Front Left) | |
| 58 | 3580320 | 1 | Pulley | |
| 60 | 1001145382 | 1 | Cooler, Engine Oil | |
| 61 | 3740067 | 2 | Relay, Start | |
| 62 | 3740080 | 2 | Relay | |
| 63 | 3960543 | 1 | Seal | |
| 64 | 3960544 | 1 | Seal | |
| 65 | 4032022 | 4 | Capscrew M10 x 90 | |
| 66 | 4060804 | 0.98 ft /0.3m | Flex-Trim | |
| 67 | 4060805 | 0.67 ft /0.2m | Flex-Trim | |
| 68 | 4240099 | AR | Tie, Wire (Not Shown) | |
| 69 | 4460234 | 3 | Mount, Wire Tie | |
| 70 | 4568293 | 1 | Pipe, Exhaust | |
| 71 | 4640751 | 1 | Valve, Oil Drain | |
| 72 | 4711500 | 13 | Washer 5/16 | |
| 73 | 4711600 | 68 | Washer 3/8 | |
| 74 | 4711800 | 7 | Washer 1/2 | |
| 75 | 4740274 | 4 | Washer, Snubbing | |
| 76 | 4740518 | 10 | Washer, Nylon | |
| 77 | 4751400 | 20 | Washer 1/4 | |
| 78 | 4791400 | 4 | Washer 1/4 | |
| 79 | 4846552 | 1 | Plate, Oil Cooler Mounting | |
| 80 | 4846945 | 1 | Mount, Generator | |
| 81 | 4846946 | 1 | Tray | |
| 82 | 4891800 | 4 | Washer 1/2 | |
| 83 | 4923468 | 1 | Harness, Glow Plugs | |
| 84 | 1001225118 | 1 | Hose, Air Intake | |
| 85 | 1001098601 | 1 | Engine, Deutz TD2011 Components (See Separate Breakdown in this Section) | |
| 86 | 8410013 | 1 | Clamp, Gear | |
| 87 | 0761215 | 2 | Bolt M12 x 35 | |
| 88 | 1001112927 | 1 | Pump Assembly - Sauer Gear (See Separate Breakdown in this Section) | |
| 89 | 4891600 | 2 | Washer 3/8 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 90 | 1001108616 | 1 | Pump Assembly - Sauer Tandem (See Separate Breakdown in this Section) | |
| 91 | 1001171095 | 1 | Pump Assembly - Sauer Piston (See Separate Breakdown in this Section) | |
| 92 | 3790152 | 1 | O-Ring | |
| 93 | 3790155 | 1 | O-Ring | |

## FIGURE 3-13. DEUTZ TD2011 ENGINE COMPONENTS



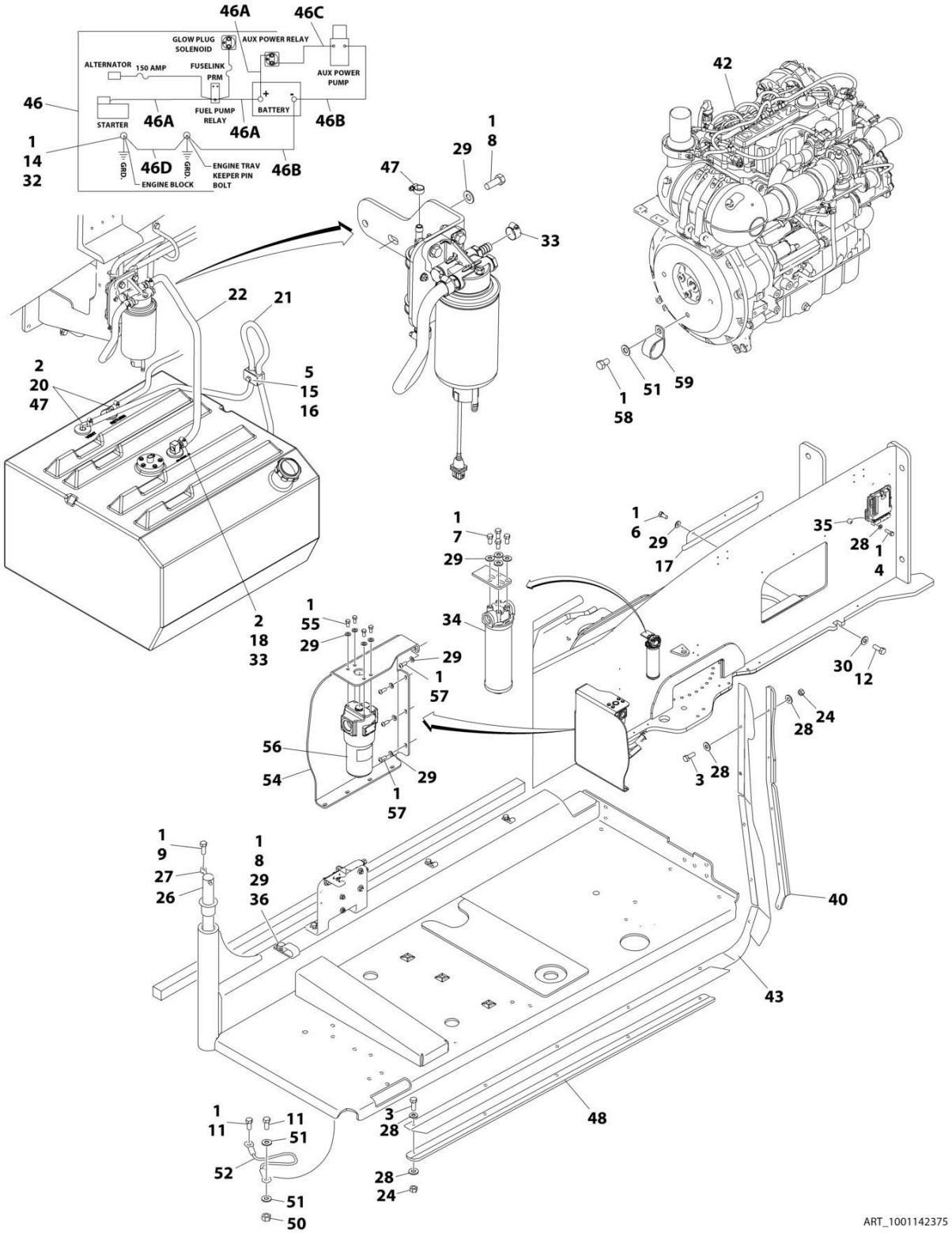
## FIGURE 3-13. DEUTZ TD2011 ENGINE COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098601 | Ref | DEUTZ TD2011 ENGINE COMPONENTS | C |
| 1 | 7027235 | 1 | Dipstick | |
| 1 | 70000044 | 1 | O-Ring | |
| 2 | 70003475 | 1 | Thermostat | |
| 2 | 7020460 | 1 | Compression Spring | |
| 3 | 70001870 | 1 | Flywheel (Not Shown) | |
| 3 | 7024579 | 1 | Gear, Ring (Not Shown) | |
| 4 | 7020465 | 1 | Cap, Filler | |
| 5 | 70001850 | 1 | Pump, Oil | |
| 5 | 7020468 | 1 | Seal Between Oil Pump and Engine Block (Not Shown) | |
| 6 | 7016331 | 1 | Filter, Oil | |
| 6 | 7027236 | 1 | Sender, Temperature (Located near Oil Filter) | |
| 8 | | Ref | Injector Pump | |
| 8 | 70001128 | AR | "A" Series | |
| 8 | 70001129 | AR | "B" Series | |
| 8 | 70001130 | AR | "C" Series | |
| 8 | 70001131 | AR | "D" Series | |
| 8 | 7020447 | AR | Gasket (1 per Injector) | |
| 9 | 7016328 | 1 | Filter, Fuel | |
| 10 | 70000916 | 1 | Pump Fuel Supply | |
| 10 | 70001435 | 1 | Repair Kit | |
| 10 | 70000917 | 1 | O-Seal Between Fuel Pump and Engine Block (Not Shown) | |
| 10 | 70000918 | 1 | Sealing Ring (Not Shown) | |
| 10 | 70000919 | 1 | Pump, Hand (Not Shown) | |
| 11 | 7027239 | 1 | Solenoid, Start (Not Shown - Located near Throttle) | |
| 12 | 7020414 | 1 | V-Belt | |
| 13 | 7020471 | 4 | Gasket, Exhaust Manifold to Engine Block (Not Shown) | |
| 13 | 7020486 | 1 | Gasket, Exhaust Manifold to Exhaust Pipe (Not Shown) | |
| 14 | 7027240 | 1 | Turbocharger (Not Shown) | |
| 14 | 70001857 | 1 | Flange, Turbocharger (Not Shown) | |
| 14 | 70001135 | 1 | Gasket (Not Shown) | |
| 15 | 70001867 | 1 | Alternator | |
| 15 | 70001868 | 1 | Regulator, Voltage (Not Shown) | |
| 16 | 7020479 | 1 | Starter (Not Shown - Located on Right Side of Engine) | |
| 16 | 7026608 | 1 | Relay, Start (Not Shown) | |
| 17 | 7027790 | 1 | Sensor, Oil Pressure | |
| 18 | 7027791 | 1 | Sensor, Temperature (Not Shown) | |
| 19 | 7024565 | 1 | Sensor, Speed | |
| 20 | 7027792 | 1 | Actuator Throttle | |
| 20 | 7027276 | 2 | Spring | |
| 21 | 1600443 | 1 | Module, EMR2 Controller | |
| 22 | 70002718 | 1 | Seal, Rear Main (Not Shown) | |
| 23 | 70003135 | 4 | Injector, Fuel | |
| 23 | 70003136 | 1 | Ring, Sealing | |
| 24 | 70001847 | 1 | Valve, Breather (Located - Front Cover) (Not Shown) | |
| 24 | 70001126 | 1 | O-Ring (Not Shown) | |
| 25 | 70001125 | 1 | Cap, Breather (Located In Cylinder Head Cover) (Not Shown) | |
| 25 | 70001126 | 1 | O-Ring (Not Shown) | |
| 26 | 70001871 | 4 | Gasket, Air Intake Manifold (Not Shown) | |
| 27 | 70000345 | 4 | Plug, Glow (Not Shown) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 28 | 70007353 | 1 | Gasket Kit (Not Shown) | |

## FIGURE 3-14. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)



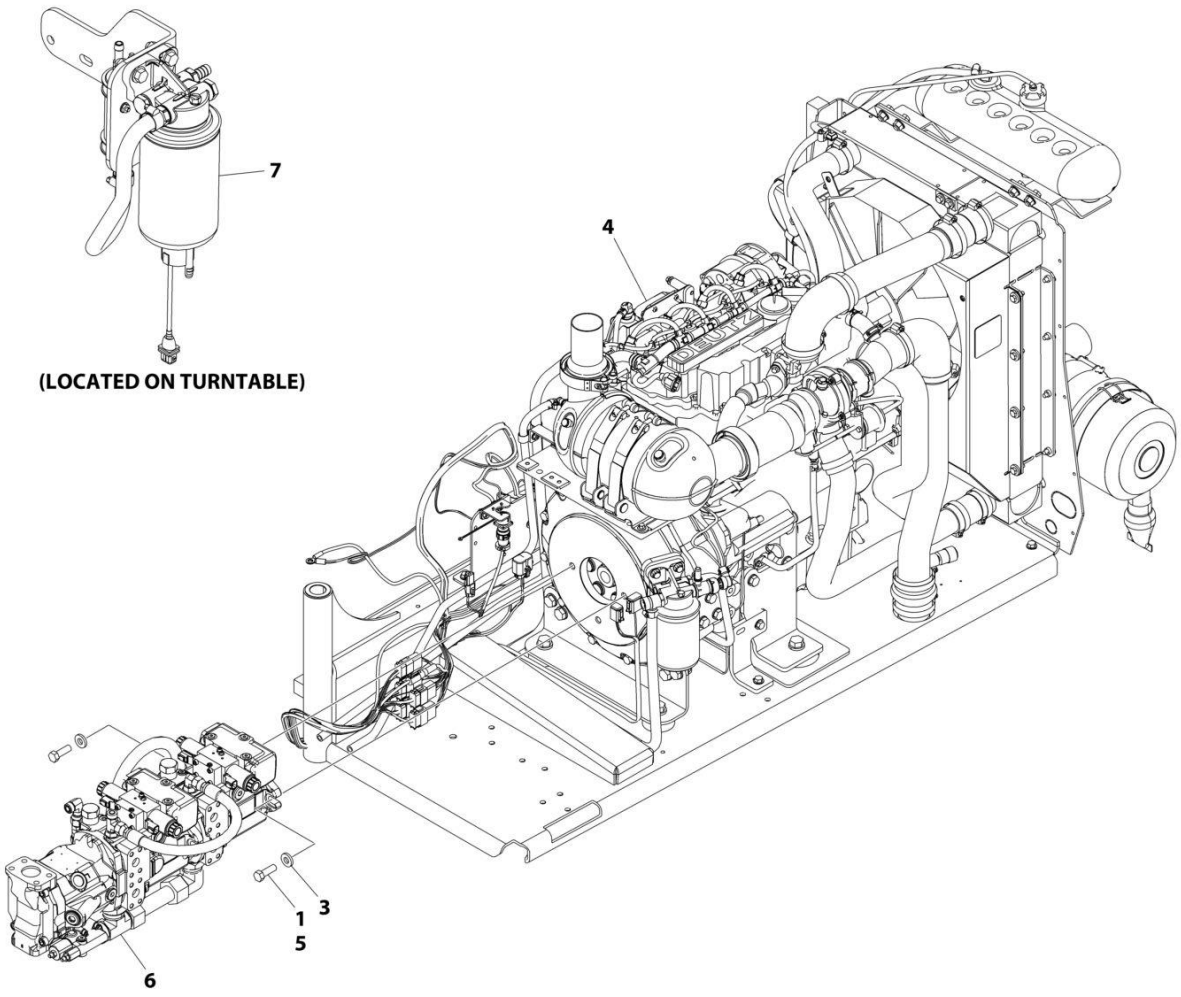
## FIGURE 3-14. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142375 | Ref | DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE) | K |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 10 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 3 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | 2 | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 14 | 0761210 | 1 | Bolt M12 x 20 | |
| 15 | 1320187 | 1 | Clamp | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover | |
| 18 | 2180832 | 1 | Fitting, Barbed | |
| 20 | 2220313 | 2 | Fitting, 90 Barbed | |
| 21 | 2750532 | 5 ft/ 1.5m | Hose | |
| 22 | 1001154405 | 1.9 ft/ 0.6m | Hose | |
| 24 | 3311405 | 10 | Nut 1/4 | |
| 26 | 3422446 | 1 | Pin, Pivot | |
| 27 | 3841143 | 1 | Pin, Keeper | |
| 28 | 4711400 | 24 | Washer 1/4 | |
| 29 | 4711600 | 19 | Washer 3/8 | |
| 30 | 4752000 | 1 | Washer 5/8 | |
| 32 | 4812100 | 1 | Washer M12 | |
| 33 | 8405006 | 2 | Clamp | |
| 34 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 34 | 70002231 | 1 | Element, Filter | |
| 35 | 1001110425 | 4 | Spacer | |
| 36 | 1001116792 | 1 | Clamp | |
| 38 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 40 | 1001145089 | 1 | Clamp | |
| 42 | 1001141812 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 43 | 1001145560 | 1 | Panel, Rubber | |
| 46 | 1001142610 | 1 | Battery Cable Kit | |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1320022 | 3 | Clamp | |
| 48 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 3311805 | 1 | Nut 1/2 | |
| 51 | 4711800 | 3 | Washer 1/2 | |
| 52 | 1001131542 | 1 | Lanyard | |
| 54 | 3380723 | 1 | Panel, Noise Reduction | |
| 55 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 56 | 2120218 | 1 | Filter, High Pressure | |
| 56 | 2120219 | 1 | Element, Filter | |
| 56 | 70001344 | 1 | O-Ring, Bowl | |
| 56 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 57 | 3900316 | 5 | Screw 3/8 x 1 | |
| 58 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 59 | 90028660 | 1 | Clamp | |

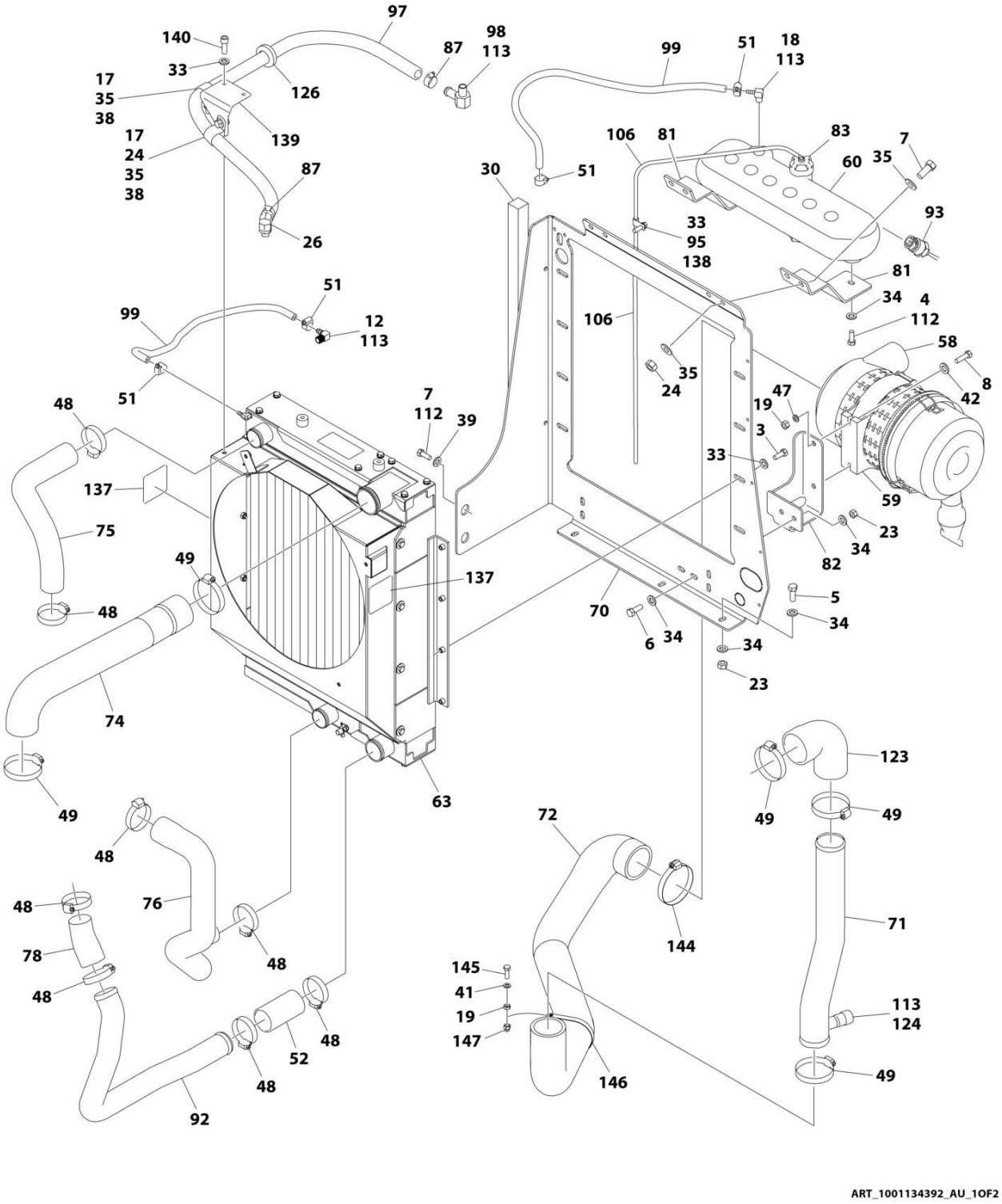
## FIGURE 3-15. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

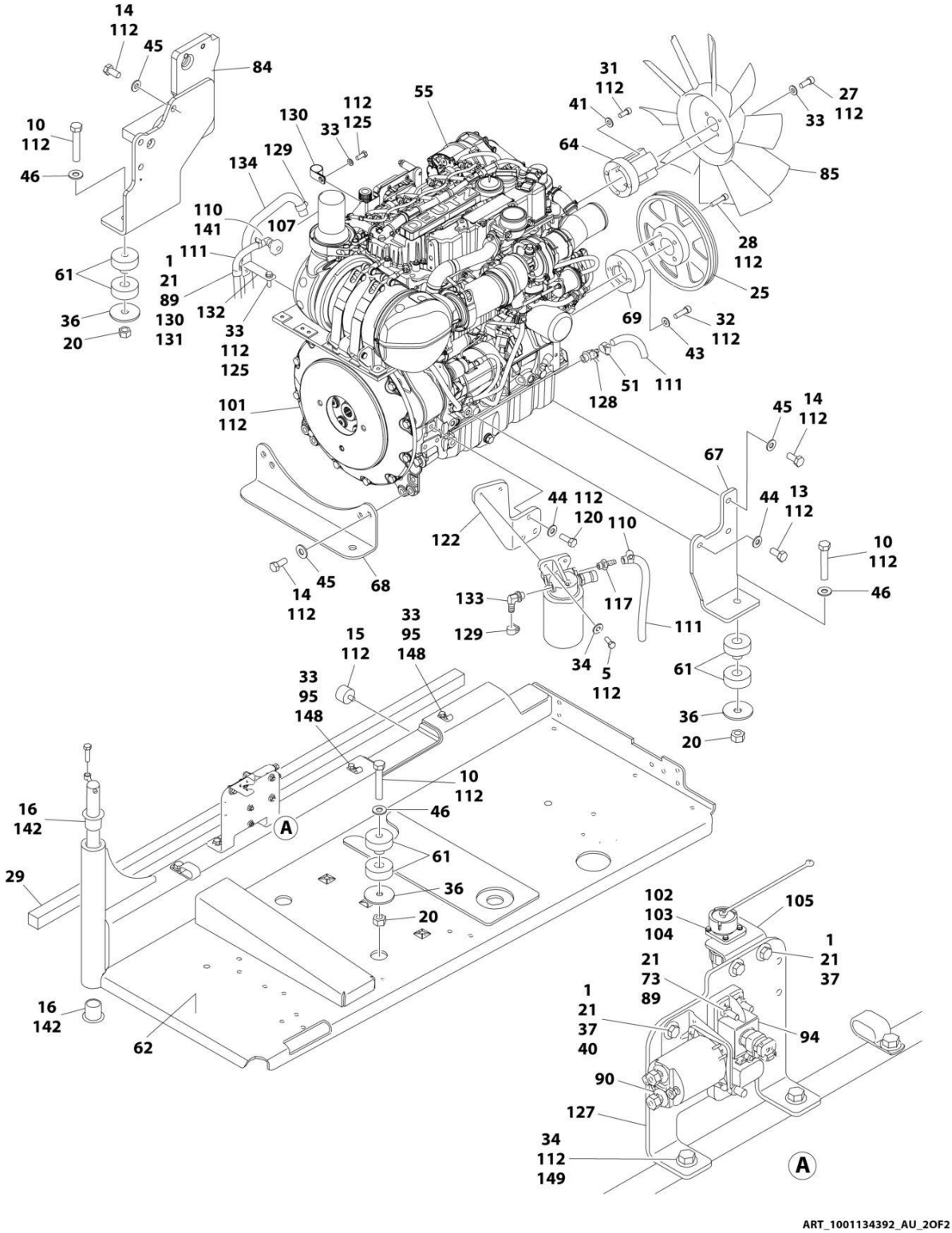


## FIGURE 3-15. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141812 | Ref | DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY | AO |
| 1 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 1 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 3 | 4891800 | 2 | Washer 1/2 | |
| 4 | 1001134392 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |
| 5 | 0100011 | AR | Compound, Locking | |
| 6 | 1001152963 | 1 | Pump Assembly - Rexroth (See Separate Breakdown in this Section) | |
| 7 | 1001165101 | 1 | Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-16. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)



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## FIGURE 3-16. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

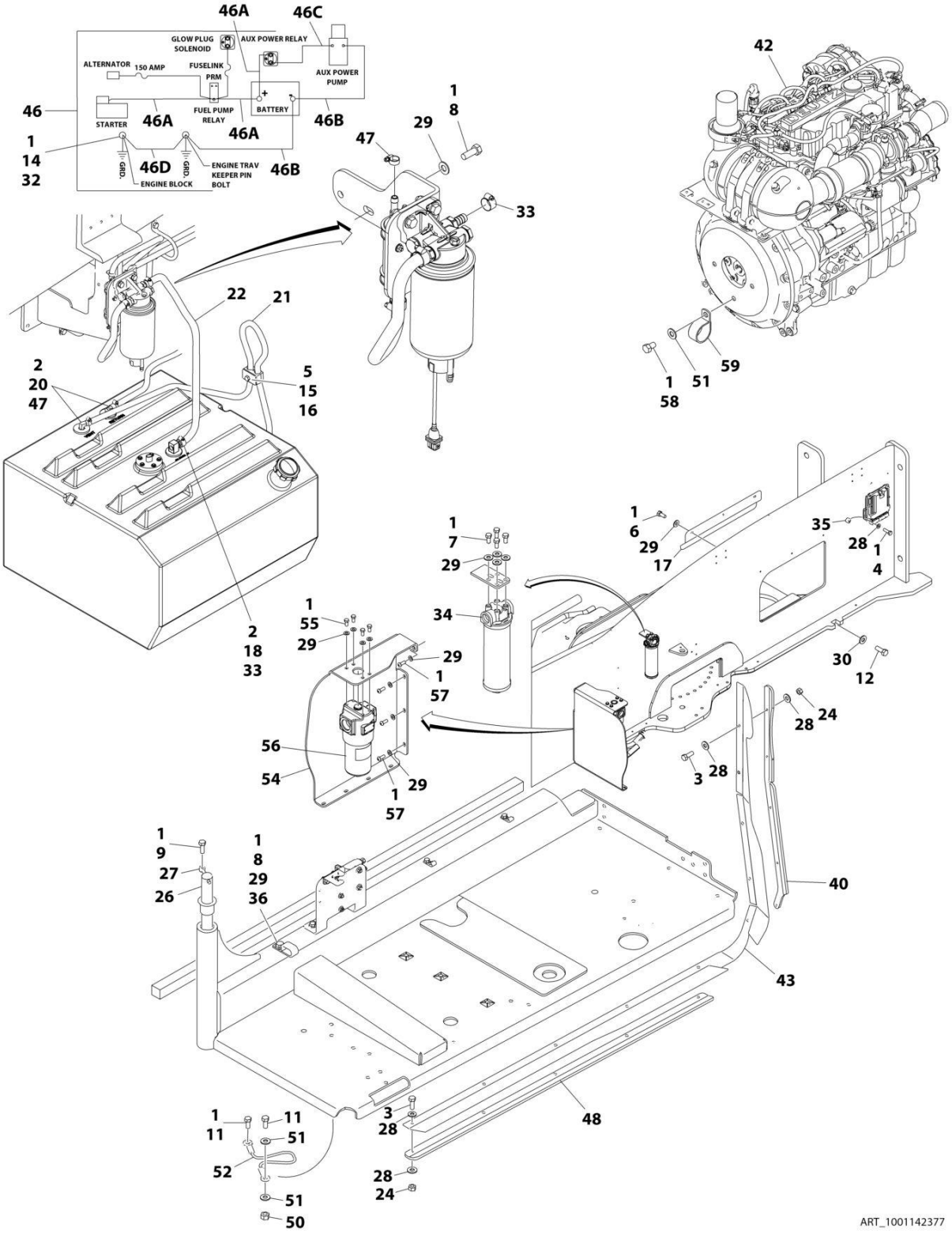
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001134392 | Ref | DEUTZ TCD2.9L4 ENGINE ASSEMBLY | AU |
| 1 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 3 | 0641508 | 8 | Bolt 5/16 x 1 | |
| 4 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 5 | 0641608 | 9 | Bolt 3/8 x 1 | |
| 6 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 7 | 0641708 | 6 | Bolt 7/16 x 1 | |
| 8 | 0700815 | 2 | Bolt M8 x 35 | |
| 10 | 0682028 | 4 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 12 | 1001140564 | 1 | Fitting, 90 Barbed | |
| 13 | 0771212 | 1 | Bolt M12 x 25 Grade 10.9 | |
| 14 | 0771414 | 9 | Bolt M14 x 30 Grade 10.9 | |
| 15 | 0940070 | 1 | Bumper | |
| 16 | 0961986 | 2 | Bushing, Flanged | |
| 17 | 0641706 | 2 | Bolt 7/16 x 3/4 | |
| 18 | 1001134488 | 1 | Fitting, 90 Barbed | |
| 19 | 3290801 | 3 | Nut M8 | |
| 20 | 3272001 | 4 | Nut 5/8 Grade 8 | |
| 21 | 3311405 | 6 | Nut 1/4 | |
| 23 | 3311605 | 9 | Nut 3/8 | |
| 24 | 3311705 | 5 | Nut 7/16 | |
| 25 | 3580320 | 1 | Pulley | |
| 26 | 1001141719 | 1 | Fitting, 90 Barbed | |
| 27 | 3931512 | 4 | Capscrew 5/16 x 3/4 | |
| 28 | 3931628 | 4 | Capscrew 3/8 x 1-3/4 | |
| 29 | 3960543 | 1 | Seal | |
| 30 | 3960544 | 1 | Seal | |
| 31 | 4031914 | 4 | Bolt M8 x 50 | |
| 32 | 4032014 | 4 | Bolt M10 x 50 | |
| 33 | 4711500 | 19 | Washer 5/16 | |
| 34 | 4711600 | 24 | Washer 3/8 | |
| 35 | 4711700 | 10 | Washer 7/16 | |
| 36 | 1001146219 | 4 | Washer Special | |
| 37 | 4751400 | 8 | Washer 1/4 | |
| 38 | 8406302 | 2 | Clamp | |
| 39 | 4751700 | 2 | Washer 7/16 | |
| 40 | 4791400 | 2 | Starwasher 1/4 | |
| 41 | 4811900 | 5 | Washer M8 | |
| 42 | 4811902 | 2 | Washer M8 | |
| 43 | 4812000 | 4 | Washer M10 | |
| 44 | 4812100 | 4 | Washer M12 | |
| 45 | 4812200 | 9 | Washer M14 | |
| 46 | 4892000 | 4 | Washer 5/8 | |
| 47 | 4831900 | 2 | Washer M8 | |
| 48 | 8405201 | 8 | Clamp | |
| 49 | 8405204 | 5 | Clamp | |
| 51 | 8410013 | 5 | Clamp | |
| 52 | 91563070 | 1 | Coupling, Rubber | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 55 | 1001249964 | 1 | Engine, Deutz TCD2.9L4 (See Separate Breakdown in this Section) | |
| 58 | 1001133633 | 1 | Air Cleaner Assembly | |
| 58 | 70024190 | 1 | Element, Air Filter | |
| 59 | 1001133634 | 1 | Clamp | |
| 60 | 1001166393 | 1 | Tank, Surge | |
| 61 | 1001155575 | 4 | Mount, Motor | |
| 62 | 1001191272 | 1 | Tray | |
| 63 | 1001256864 | 1 | Radiator | |
| 64 | 1001135138 | 1 | Spacer, Fan | |
| 67 | 1001135560 | 1 | Support, Engine | |
| 68 | 1001135562 | 1 | Support, Engine - Rear | |
| 69 | 1001135679 | 1 | Spacer, Pulley | |
| 70 | 1001135680 | 1 | Support, Radiator | |
| 71 | 1001135901 | 1 | Pipe, Air Intake | |
| 72 | 1001264917 | 1 | Pipe, Air Intake | |
| 73 | 3931432 | 1 | Capscrew 1/4 x 2 | |
| 74 | 1001264982 | 1 | Pipe, Air Cleaner to Intake | |
| 75 | 1001135924 | 1 | Hose, Radiator (Upper) | |
| 76 | 1001135926 | 1 | Hose, Radiator (Lower) | |
| 78 | 1001135943 | 1 | Coupling, Rubber | |
| 81 | 1001136626 | 2 | Bracket | |
| 82 | 1001136665 | 1 | Bracket | |
| 83 | 1001136834 | 1 | Cap, Tank | |
| 84 | 1001283008 | 1 | Support, Engine | |
| 85 | 1001137276 | 1 | Fan | |
| 87 | 8405007 | 2 | Clamp | |
| 89 | 4711400 | 3 | Washer 1/4 | |
| 90 | 1001117308 | 1 | Relay | |
| 92 | 1001135913 | 1 | Pipe, Turbo to Air Cleaner | |
| 93 | 1001138827 | 1 | Sensor, Coolant Level | |
| 94 | 1001138228 | 1 | Module, Power | |
| 94 | 70023592 | 1 | Fuse 20Amp (Switched Output) | |
| 94 | 70023593 | 1 | Fuse 30Amp (Battery Output) | |
| 95 | 1001138253 | 5 | Clamp | |
| 96 | 1001138346 | 1 | Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 97 | 1001138524 | 1 | Hose | |
| 98 | 1001138559 | 1 | Fitting, 90 | |
| 99 | 2720015 | 4.5 ft/ 1.4m | Hose | |
| 101 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 102 | 3310401 | 3 | Nut #4 | |
| 103 | 3910408 | 3 | Screw #4 x 1/2 | |
| 104 | 4710400 | 3 | Washer #4 | |
| 105 | 1001139240 | 1 | Bracket | |
| 106 | 1001138248 | 4 ft/ 1.2m | Tubing | |
| 107 | 1001153024 | 1 | Pipe, Exhaust | |
| 110 | 1320022 | 2 | Clamp | |
| 111 | 1001165035 | 30.5 ft/ 9.3m | Hose | |
| 112 | 0100011 | AR | Compound, Locking | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 113 | 0100020 | AR | Sealant | |
| 114 | 1001141304 | 1 | Wire, Glow Plug (Not Shown) | |
| 115 | 1001135779 | 1 | Cable, Alternator Positive (Not Shown) | |
| 117 | 1001141717 | 1 | Fitting, Straight | |
| 120 | 0761214 | 3 | Bolt M12 x 30 | |
| 122 | 1001142685 | 1 | Bracket | |
| 123 | 1001165820 | 1 | Pipe, Elbow | |
| 124 | 1001143390 | 1 | Indicator, Air Filter Service | |
| 125 | 0760810 | 2 | Bolt M8 x 20 | |
| 126 | 1001144089 | 1 | Grommet | |
| 127 | 1001145154 | 1 | Plate, Mounting | |
| 128 | 4640751 | 1 | Valve, Oil Drain | |
| 129 | 8405006 | 2 | Clamp | |
| 130 | 8406102 | AR | Clip | |
| 131 | 8406112 | 1 | Clip | |
| 132 | 1001138717 | 1 | Bracket | |
| 133 | 1001142501 | 1 | Fitting, 90 Barbed | |
| 134 | 1001154405 | 5 ft/ 1.5m | Hose | |
| 135 | 1001148843 | 1 | Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 137 | 1703162 | 2 | Decal - Fan | |
| 138 | 0641503 | 1 | Bolt 5/16 x 3/8 | |
| 139 | 1001153387 | 1 | Plate | |
| 140 | 3931508 | 2 | Capscrew 5/16 x 1/2 | |
| 141 | 1001155823 | 1 | Coupling | |
| 142 | 0100062 | AR | Adhesive, Loctite #680 | |
| 143 | 4240099 | AR | Tie-Strap (Not Shown) | |
| 144 | 8410011 | 1 | Clamp | |
| 145 | 0700812 | 1 | Bolt M8 x 25 | |
| 146 | 1321289 | 1 | Clamp | |
| 147 | 3290806 | 1 | Nut M8 | |
| 148 | 0641510 | 2 | Bolt 5/16 x 1-1/4 | |
| 149 | 0641612 | 2 | Bolt 3/8 x 1-1/2 | |

## FIGURE 3-17. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)



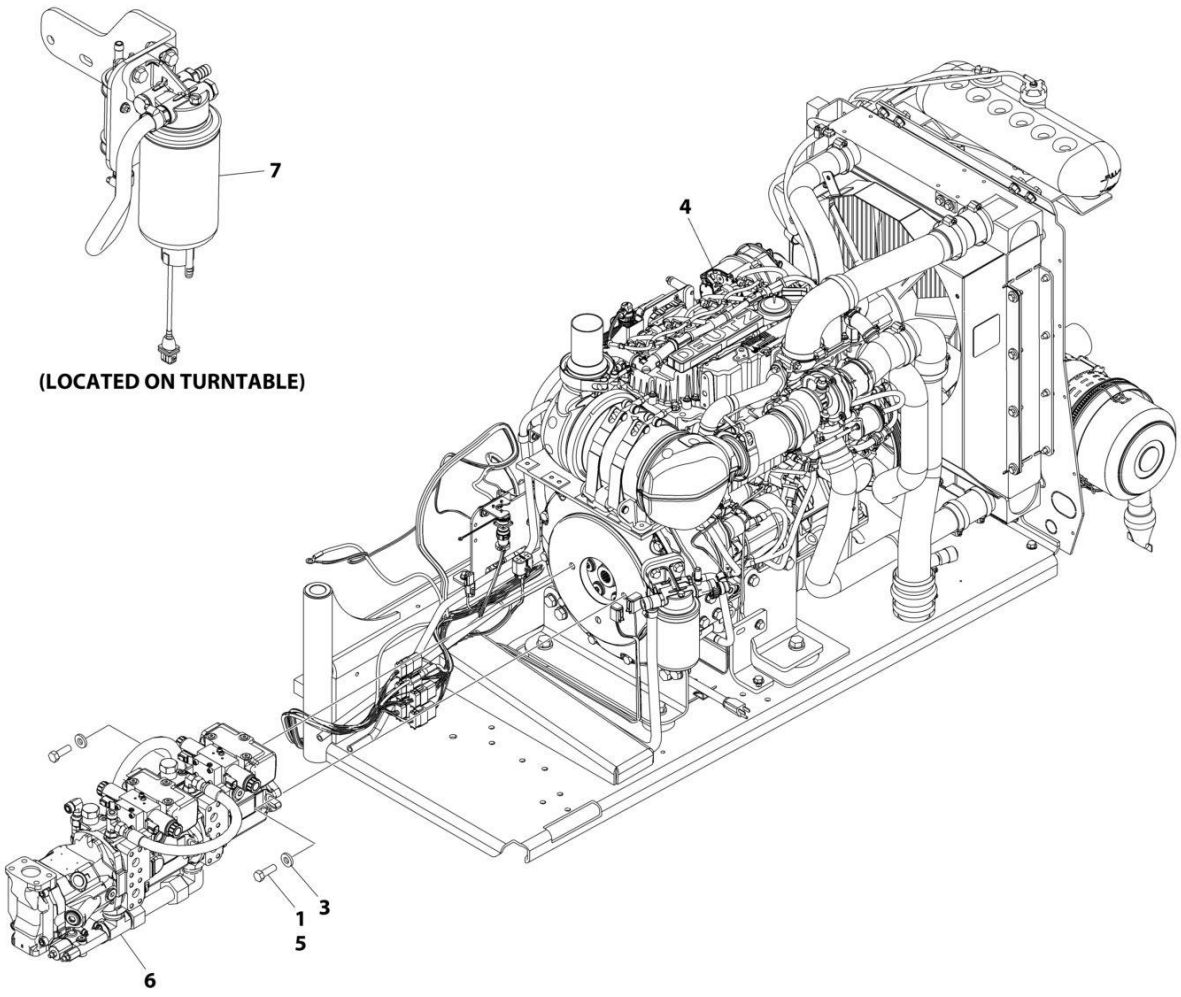
## FIGURE 3-17. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142377 | Ref | DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE) | M |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 10 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 3 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | AR | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 14 | 0761210 | 1 | Bolt M12 x 20 | |
| 15 | 1320187 | 1 | Clamp | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover | |
| 18 | 2180832 | 1 | Fitting, Barbed | |
| 20 | 2220313 | 2 | Fitting, 90 Barbed | |
| 21 | 2750532 | 5 ft/ 1.5m | Hose | |
| 22 | 1001154405 | 1.9 ft /0.6m | Hose | |
| 24 | 3311405 | 10 | Nut 1/4 | |
| 26 | 3422446 | 1 | Pin, Pivot | |
| 27 | 3841143 | 1 | Pin, Keeper | |
| 28 | 4711400 | 24 | Washer 1/4 | |
| 29 | 4711600 | 19 | Washer 3/8 | |
| 30 | 4752000 | 1 | Washer 5/8 | |
| 32 | 4812100 | 1 | Washer M12 | |
| 33 | 8405006 | 2 | Clamp | |
| 34 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 34 | 70002231 | 1 | Element, Filter | |
| 35 | 1001110425 | 4 | Spacer | |
| 36 | 1001116792 | 1 | Clamp | |
| 38 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 40 | 1001145089 | 1 | Clamp | |
| 42 | 1001141813 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 43 | 1001145560 | 1 | Panel, Rubber | |
| 46 | 1001142610 | 1 | Battery Cable Kit | C |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1320022 | 3 | Clamp | |
| 48 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 3311805 | 1 | Nut 1/2 | |
| 51 | 4711800 | 3 | Washer 1/2 | |
| 52 | 1001131542 | 1 | Lanyard | |
| 54 | 3380723 | 1 | Panel, Noise Reduction | |
| 55 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 56 | 2120218 | 1 | Filter, High Pressure | |
| 56 | 2120219 | 1 | Element, Filter | |
| 56 | 70001344 | 1 | O-Ring, Bowl | |
| 56 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 57 | 3900316 | 5 | Screw 3/8 x 1 | |
| 58 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 59 | 90028660 | 1 | Clamp | |

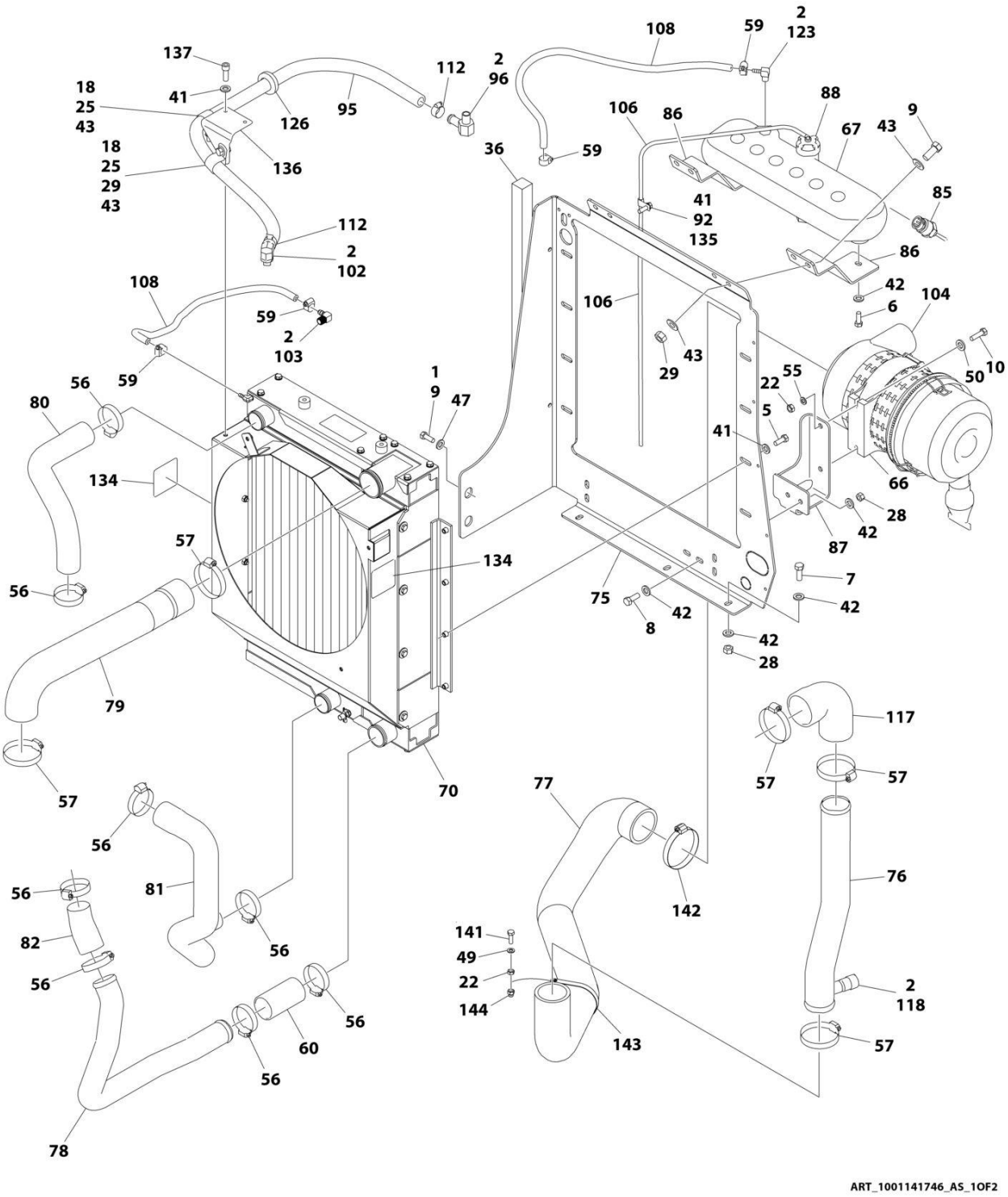
## FIGURE 3-18. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)



## FIGURE 3-18. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141813 | Ref | DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY | AP |
| 1 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 1 | 0641814 | 2 | Bolt 1/2 x 1-1/2 | |
| 3 | 4740171 | 2 | Washer 1/2 | |
| 4 | 1001141746 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |
| 5 | 0100011 | AR | Compound, Locking | |
| 6 | 1001152963 | 1 | Pump Assembly - Rexroth (See Separate Breakdown in this Section) | |
| 7 | 1001165101 | 1 | Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-19. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)

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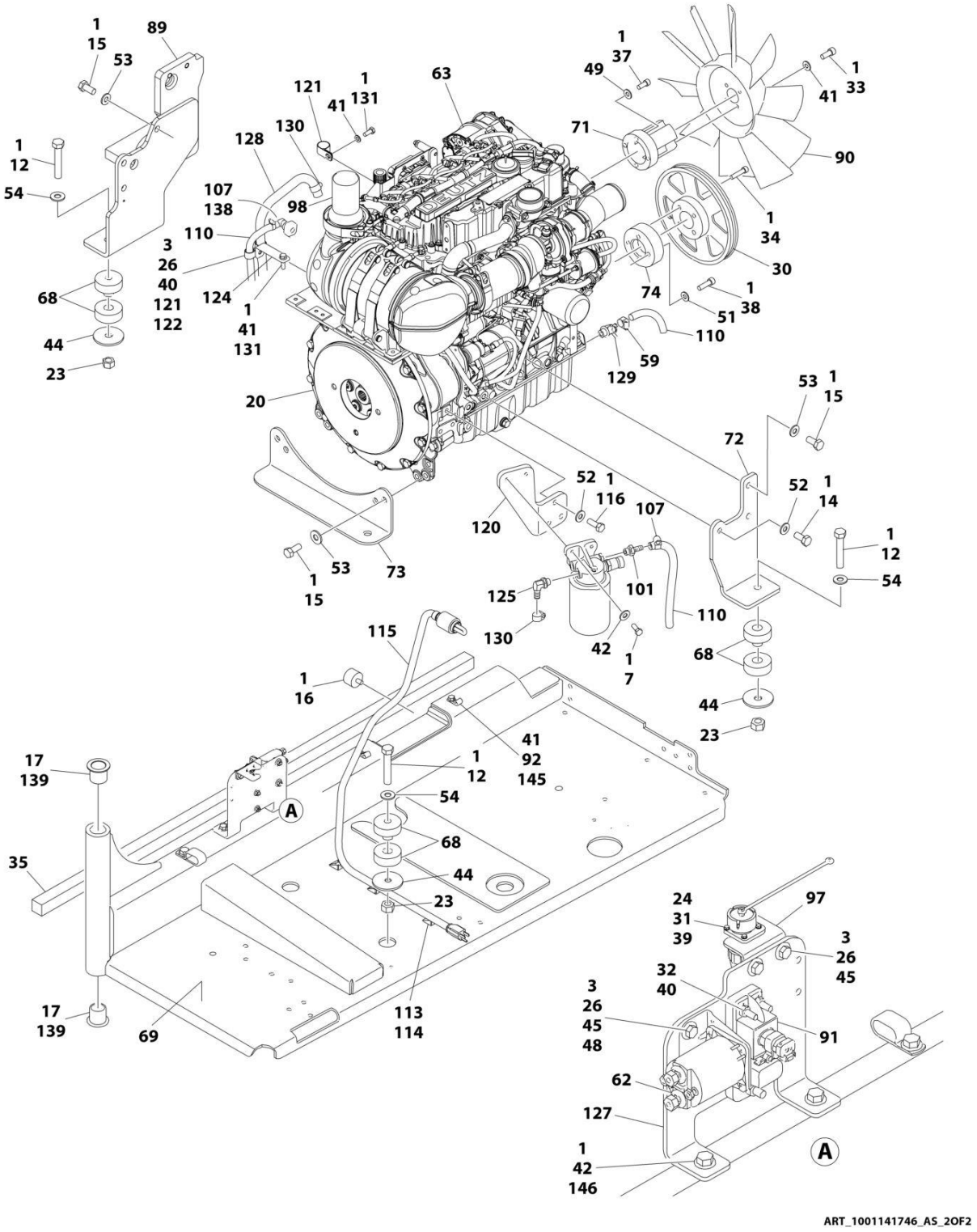
1
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1
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107
138
110
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128
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121
41
131
63
98
20
1
37
49
71
90
1
33
41
1
34
30
74
1
38
51
110
129
59
53
1
15
72
52
1
116
120
107
52
1
14
1
12
54
125
130
101
110
42
1
7
68
44
23
115
1
16
41
92
145
1
12
54
68
44
23
17
139
35
17
139
69
113
114
A
24
31
39
97
3
26
45
32
40
3
26
45
48
91
62
127
1
42
146
A
ART_1001141746_AS_2OF2

## FIGURE 3-19. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH REXROTH PUMP (WITH COLD WEATHER PLUS PACKAGE)

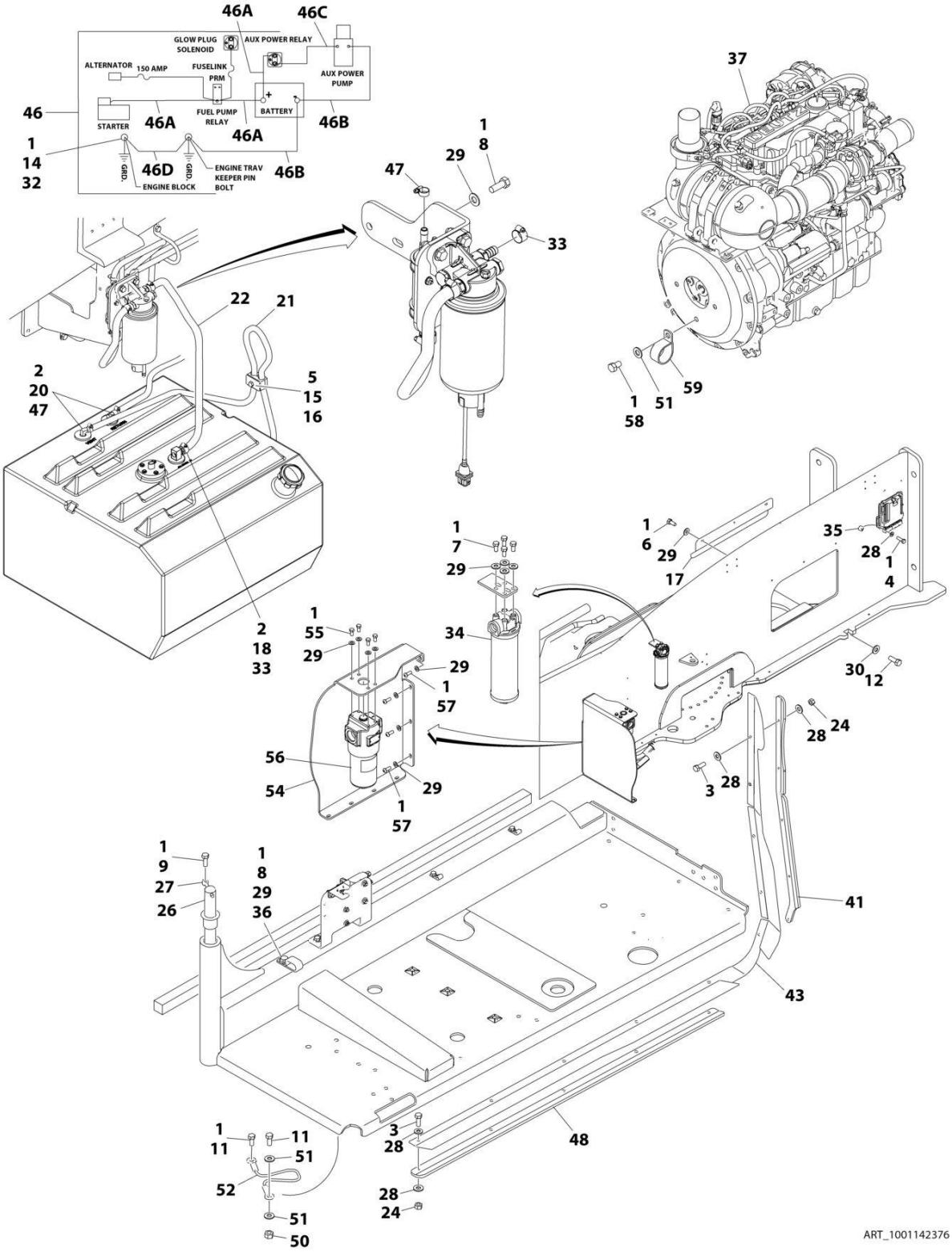
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141746 | Ref | DEUTZ TCD2.9L4 ENGINE ASSEMBLY | AS |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100020 | AR | Sealant | |
| 3 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 5 | 0641508 | 8 | Bolt 5/16 x 1 | |
| 6 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 7 | 0641608 | 9 | Bolt 3/8 x 1 | |
| 8 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 9 | 0641708 | 6 | Bolt 7/16 x 1 | |
| 10 | 0700815 | 2 | Bolt M8 x 35 | |
| 12 | 0682028 | 4 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 14 | 0771212 | 1 | Bolt M12 x 25 Grade 10.9 | |
| 15 | 0771414 | 9 | Bolt M14 x 30 Grade 10.9 | |
| 16 | 0940070 | 1 | Bumper | |
| 17 | 0961986 | 2 | Bushing, Flanged | |
| 18 | 0641706 | 2 | Bolt 7/16 x 3/4 | |
| 20 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 22 | 3290801 | 3 | Nut M8 | |
| 23 | 3272001 | 4 | Nut 5/8 Grade 8 | |
| 24 | 3310401 | 3 | Nut #4 | |
| 25 | 8406302 | 2 | Clamp | |
| 26 | 3311405 | 6 | Nut 1/4 | |
| 28 | 3311605 | 9 | Nut 3/8 | |
| 29 | 3311705 | 5 | Nut 7/16 | |
| 30 | 3580320 | 1 | Pulley | |
| 31 | 3910408 | 3 | Screw #4 x 1/2 | |
| 32 | 3931432 | 1 | Capscrew 1/4 x 2 | |
| 33 | 3931512 | 4 | Capscrew 5/16 x 3/4 | |
| 34 | 3931628 | 4 | Capscrew 3/8 x 1-3/4 | |
| 35 | 3960543 | 1 | Seal | |
| 36 | 3960544 | 1 | Seal | |
| 37 | 4031914 | 4 | Bolt M8 x 50 | |
| 38 | 4032014 | 4 | Bolt M10 x 50 | |
| 39 | 4710400 | 3 | Washer #4 | |
| 40 | 4711400 | 3 | Washer 1/4 | |
| 41 | 4711500 | 19 | Washer 5/16 | |
| 42 | 4711600 | 24 | Washer 3/8 | |
| 43 | 4711700 | 10 | Washer 7/16 | |
| 44 | 1001146219 | 4 | Washer Special | |
| 45 | 4751400 | 8 | Washer 1/4 | |
| 47 | 4751700 | 2 | Washer 7/16 | |
| 48 | 4791400 | 2 | Starwasher 1/4 | |
| 49 | 4811900 | 5 | Washer M8 | |
| 50 | 4811902 | 2 | Washer M8 | |
| 51 | 4812000 | 4 | Washer M10 | |
| 52 | 4812100 | 4 | Washer M12 | |
| 53 | 4812200 | 9 | Washer M14 | |
| 54 | 4892000 | 4 | Washer 5/8 | |
| 55 | 4831900 | 2 | Washer M8 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 56 | 8405201 | 8 | Clamp | |
| 57 | 8405204 | 5 | Clamp | |
| 59 | 8410013 | 5 | Clamp | |
| 60 | 91563070 | 1 | Coupling, Rubber | |
| 62 | 1001117308 | 1 | Relay | |
| 63 | 1001249964 | 1 | Engine, Deutz TCD2.9L4 (See Separate Breakdown in this Section) | |
| 66 | 1001133634 | 1 | Clamp | |
| 67 | 1001166393 | 1 | Tank, Surge | |
| 68 | 1001155575 | 4 | Mount, Motor | |
| 69 | 1001191272 | 1 | Tray | |
| 70 | 1001256864 | 1 | Radiator | |
| 71 | 1001135138 | 1 | Spacer, Fan | |
| 72 | 1001135560 | 1 | Support, Engine | |
| 73 | 1001135562 | 1 | Support, Engine - Rear | |
| 74 | 1001135679 | 1 | Spacer, Pulley | |
| 75 | 1001135680 | 1 | Support, Radiator | |
| 76 | 1001135901 | 1 | Pipe, Air Intake | |
| 77 | 1001264917 | 1 | Hose, Air Intake | |
| 78 | 1001135913 | 1 | Pipe, Turbo to Air Cleaner | |
| 79 | 1001264982 | 1 | Hose, Air Cleaner to Intake | |
| 80 | 1001135924 | 1 | Hose, Radiator (Upper) | |
| 81 | 1001135926 | 1 | Hose, Radiator (Lower) | |
| 82 | 1001135943 | 1 | Coupling, Rubber | |
| 85 | 1001138827 | 1 | Sensor, Coolant Level | |
| 86 | 1001136626 | 2 | Bracket | |
| 87 | 1001136665 | 1 | Bracket | |
| 88 | 1001136834 | 1 | Cap, Tank | |
| 89 | 1001283008 | 1 | Support, Engine | |
| 90 | 1001137276 | 1 | Fan | |
| 91 | 1001138228 | 1 | Module, Power | |
| 91 | 70023592 | 1 | Fuse 20Amp (Switched Output) | |
| 91 | 70023593 | 1 | Fuse 30Amp (Battery Output) | |
| 92 | 1001138253 | 5 | Clamp | |
| 94 | 1001138346 | 1 | Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 95 | 1001138524 | 1 | Hose | |
| 96 | 1001138559 | 1 | Fitting, 90 | |
| 97 | 1001139240 | 1 | Bracket | |
| 98 | 1001153024 | 1 | Pipe, Exhaust | |
| 100 | 1001141304 | 1 | Wire, Glow Plug (Not Shown) | |
| 101 | 1001141717 | 1 | Fitting, Straight | |
| 102 | 1001141719 | 1 | Fitting, 90 Barbed | |
| 103 | 1001140564 | 1 | Fitting, 90 Barbed | |
| 104 | 1001133633 | 1 | Air Cleaner Assembly | |
| 104 | 70024190 | 1 | Element, Air Filter | |
| 105 | 1001135779 | 1 | Cable, Alternator Positive (Not Shown) | |
| 106 | 1001138248 | 4 ft/ 1.2m | Tubing | |
| 107 | 1320022 | 2 | Clamp | |
| 108 | 2720015 | 4.5 ft/ 1.4m | Hose | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 110 | 1001165035 | 30.5 ft/ 9.3m | Hose | |
| 112 | 8405007 | 2 | Clamp | |
| 113 | 4240099 | AR | Tie-Strap (Used to Secure Block Heater Cord) | |
| 114 | 4460234 | 3 | Mount, Wire Tie (Used to Secure Block Heater Cord) | |
| 115 | 1001140312 | 1 | Heater, Block | |
| 116 | 0761214 | 3 | Bolt M12 x 30 | |
| 117 | 1001165820 | 1 | Pipe, Elbow | |
| 118 | 1001143390 | 1 | Indicator, Air Filter Service | |
| 120 | 1001142685 | 1 | Bracket | |
| 121 | 8406102 | AR | Clip | |
| 122 | 8406112 | 1 | Clip | |
| 123 | 1001134488 | 1 | Fitting, 90 Barbed | |
| 124 | 1001138717 | 1 | Bracket | |
| 125 | 1001142501 | 1 | Fitting, 90 Barbed | |
| 126 | 1001144089 | 1 | Grommet | |
| 127 | 1001145154 | 1 | Plate, Mounting | |
| 128 | 1001154405 | 5 ft/ 1.5m | Hose | |
| 129 | 4640751 | 1 | Valve, Oil Drain | |
| 130 | 8405006 | 2 | Clamp | |
| 131 | 0760810 | AR | Bolt M8 x 20 | |
| 132 | 1001148843 | 1 | Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 134 | 1703162 | 2 | Decal - Fan | |
| 135 | 0641503 | 1 | Bolt 5/16 x 3/8 | |
| 136 | 1001153387 | 1 | Plate | |
| 137 | 3931508 | 2 | Capscrew 5/16 x 1/2 | |
| 138 | 1001155823 | 1 | Coupling | |
| 139 | 0100062 | AR | Adhesive, Loctite #680 | |
| 140 | 1001181895 | AR | Adhesive, Loctite #640 (Not Shown - Apply to Block Heater) | |
| 141 | 0700812 | 1 | Bolt M8 x 25 | |
| 142 | 8410011 | 1 | Clamp | |
| 143 | 1321289 | 1 | Clamp | |
| 144 | 3290806 | 1 | Nut M8 | |
| 145 | 0641510 | 2 | Bolt 5/16 x 1-1/4 | |
| 146 | 0641612 | 2 | Bolt 3/8 x 1-1/2 | |

## FIGURE 3-20. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)



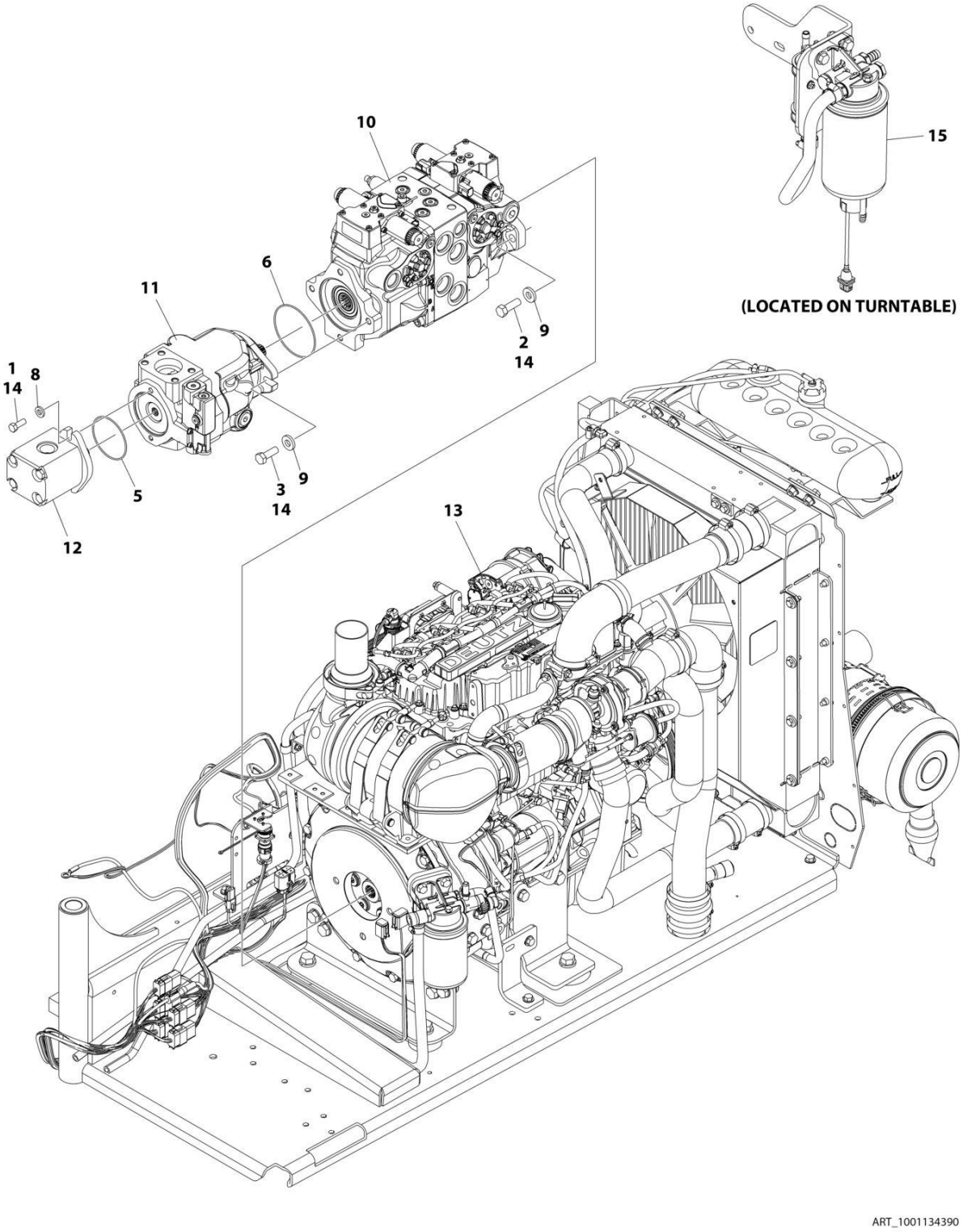
## FIGURE 3-20. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142376 | Ref | DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITHOUT COLD WEATHER PLUS PACKAGE) | K |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 10 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 3 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 10 | 0641611 | 2 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | 2 | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 14 | 0761210 | 1 | Bolt M12 x 20 | |
| 15 | 1320187 | 1 | Clamp | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover | |
| 18 | 2180832 | 1 | Fitting, Barbed | |
| 20 | 2220313 | 2 | Fitting, 90 Barbed | |
| 21 | 2750532 | 5 ft/ 1.5m | Hose | |
| 22 | 1001154405 | 1.9 ft/ 0.6m | Hose | |
| 24 | 3311405 | 10 | Nut 1/4 | |
| 26 | 3422446 | 1 | Pin, Pivot | |
| 27 | 3841143 | 1 | Pin, Keeper | |
| 28 | 4711400 | 24 | Washer 1/4 | |
| 29 | 4711600 | 19 | Washer 3/8 | |
| 30 | 4752000 | 1 | Washer 5/8 | |
| 32 | 4812100 | 1 | Washer M12 | |
| 33 | 8405006 | 2 | Clamp | |
| 34 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 34 | 70002231 | 1 | Element, Filter | |
| 35 | 1001110425 | 4 | Spacer | |
| 36 | 1001116792 | 1 | Clamp | |
| 37 | 1001134390 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 39 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 41 | 1001145089 | 1 | Clamp | |
| 43 | 1001145560 | 1 | Panel, Rubber | |
| 46 | 1001142610 | 1 | Battery Cable Kit | C |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1320022 | 3 | Clamp | |
| 48 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 3311805 | 1 | Nut 1/2 | |
| 51 | 4711800 | 3 | Washer 1/2 | |
| 52 | 1001131542 | 1 | Lanyard | |
| 54 | 3380723 | 1 | Panel, Noise Reduction | |
| 55 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 56 | 2120218 | 1 | Filter, High Pressure | |
| 56 | 2120219 | 1 | Element, Filter | |
| 56 | 70001344 | 1 | O-Ring, Bowl | |
| 56 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 57 | 3900316 | 5 | Screw 3/8 x 1 | |
| 58 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 59 | 90028660 | 1 | Clamp | |

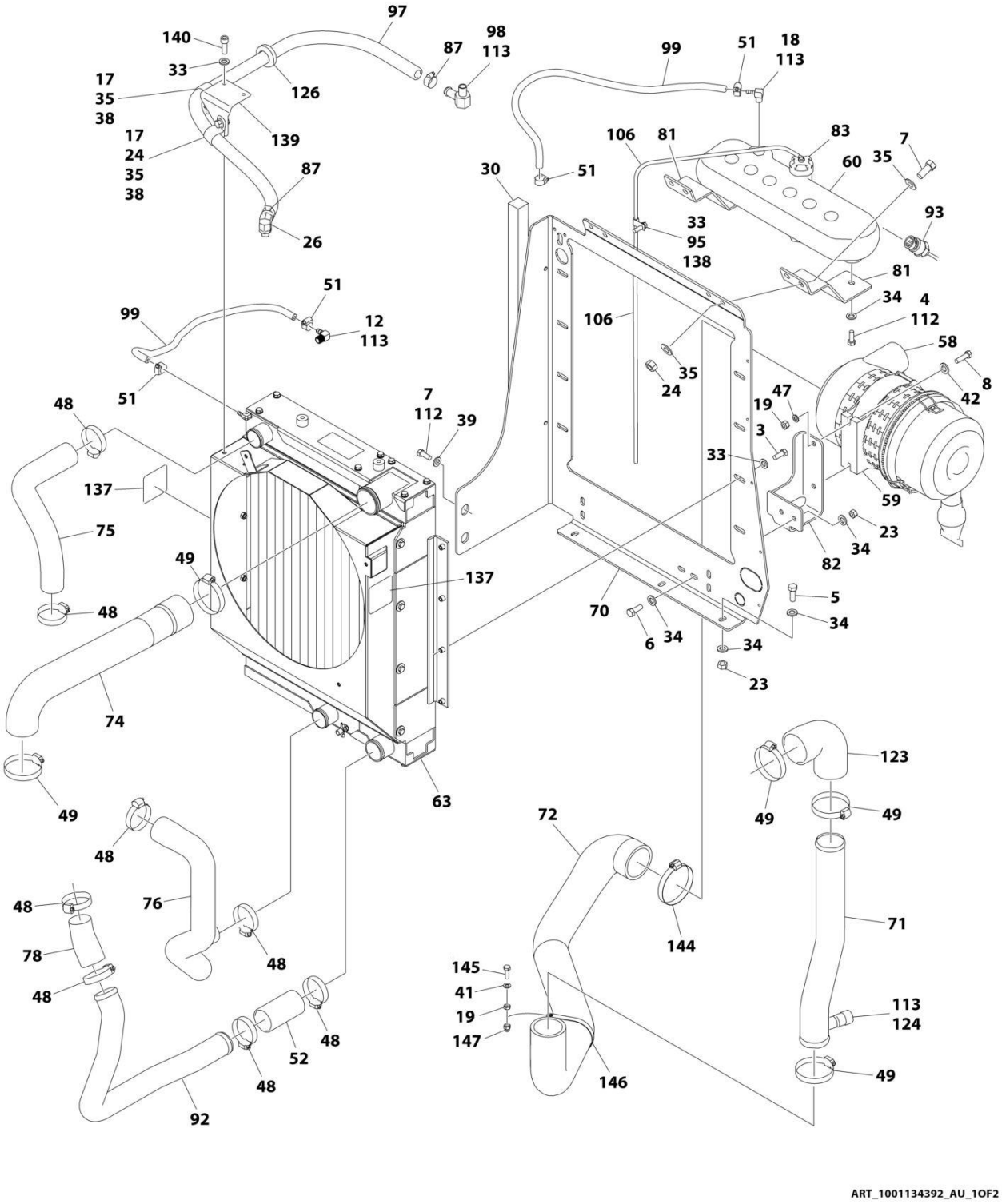
## FIGURE 3-21. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)



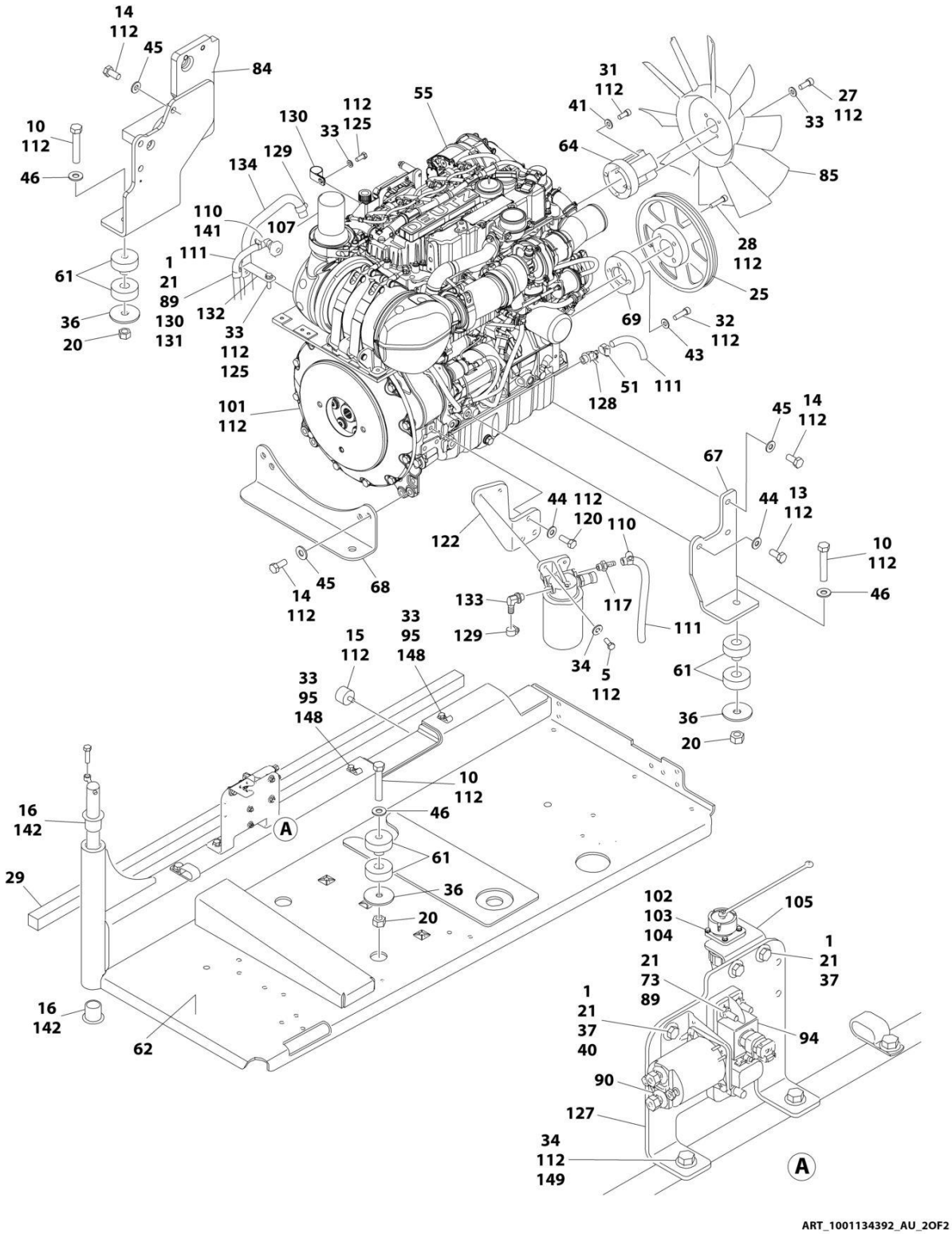
## FIGURE 3-21. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001134390 | Ref | DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY | AM |
| 1 | 0641608 | 2 | Bolt 3/8 x 1 | |
| 2 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 2 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 3 | 0761215 | 2 | Bolt M12 x 35 | |
| 5 | 3790152 | 1 | O-Ring | |
| 6 | 3790155 | 1 | O-Ring | |
| 8 | 4891600 | 2 | Washer 3/8 | |
| 9 | 4891800 | 4 | Washer 1/2 | |
| 10 | 1001108616 | 1 | Pump Assembly - Sauer Tandem (See Separate Breakdown in this Section) | |
| 11 | 1001171095 | 1 | Pump Assembly - Sauer Piston (See Separate Breakdown in this Section) | |
| 12 | 1001112927 | 1 | Pump Assembly - Sauer Gear (See Separate Breakdown in this Section) | |
| 13 | 1001134392 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |
| 14 | 0100011 | AR | Compound, Locking | |
| 15 | 1001165101 | 1 | Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-22. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)




ART_1001134392_AU_1OF2




ART_1001134392_AU_2OF2

## FIGURE 3-22. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

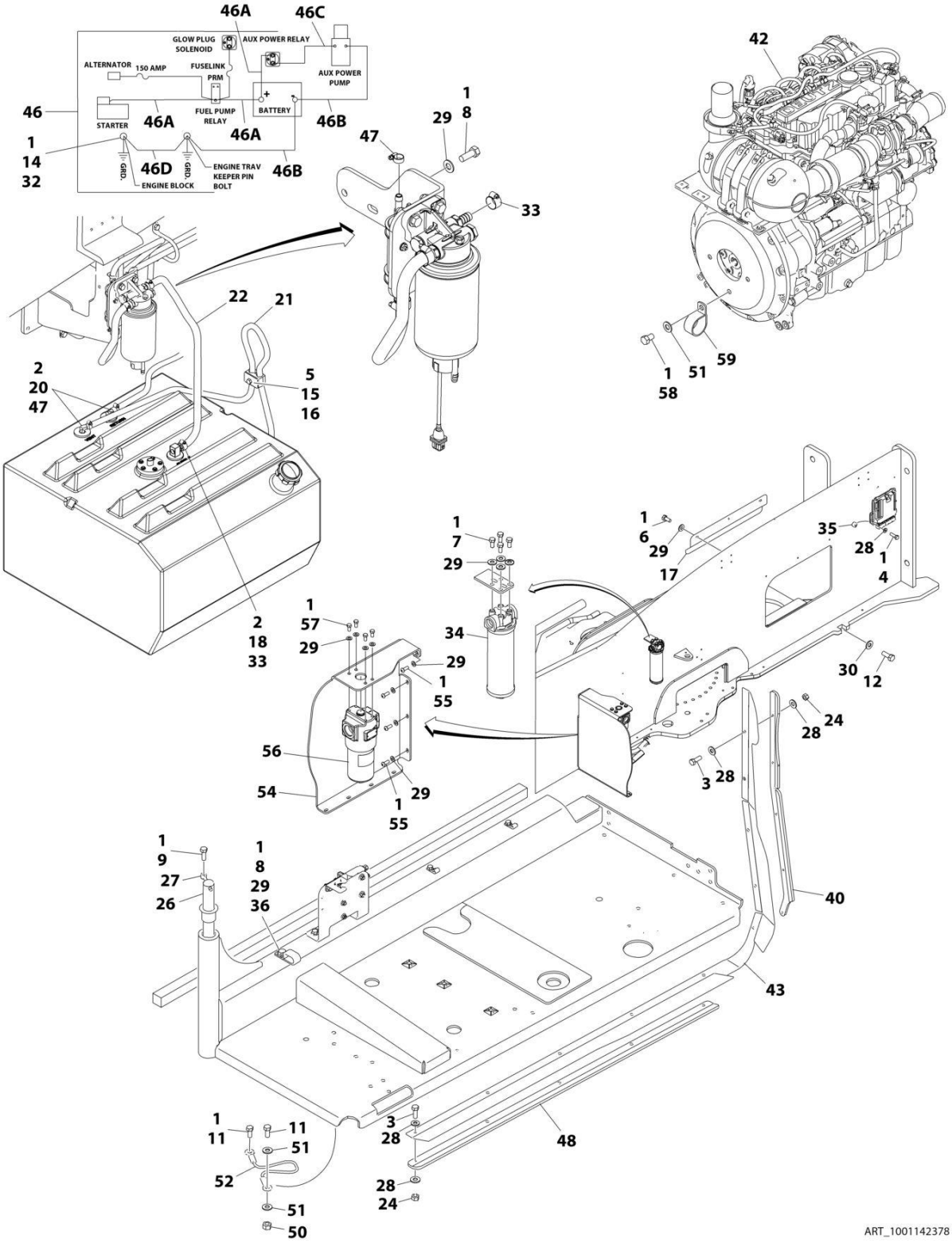
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001134392 | Ref | DEUTZ TCD2.9L4 ENGINE ASSEMBLY | AU |
| 1 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 3 | 0641508 | 8 | Bolt 5/16 x 1 | |
| 4 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 5 | 0641608 | 9 | Bolt 3/8 x 1 | |
| 6 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 7 | 0641708 | 6 | Bolt 7/16 x 1 | |
| 8 | 0700815 | 2 | Bolt M8 x 35 | |
| 10 | 0682028 | 4 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 12 | 1001140564 | 1 | Fitting, 90 Barbed | |
| 13 | 0771212 | 1 | Bolt M12 x 25 Grade 10.9 | |
| 14 | 0771414 | 9 | Bolt M14 x 30 Grade 10.9 | |
| 15 | 0940070 | 1 | Bumper | |
| 16 | 0961986 | 2 | Bushing, Flanged | |
| 17 | 0641706 | 2 | Bolt 7/16 x 3/4 | |
| 18 | 1001134488 | 1 | Fitting, 90 Barbed | |
| 19 | 3290801 | 3 | Nut M8 | |
| 20 | 3272001 | 4 | Nut 5/8 Grade 8 | |
| 21 | 3311405 | 6 | Nut 1/4 | |
| 23 | 3311605 | 9 | Nut 3/8 | |
| 24 | 3311705 | 5 | Nut 7/16 | |
| 25 | 3580320 | 1 | Pulley | |
| 26 | 1001141719 | 1 | Fitting, 90 Barbed | |
| 27 | 3931512 | 4 | Capscrew 5/16 x 3/4 | |
| 28 | 3931628 | 4 | Capscrew 3/8 x 1-3/4 | |
| 29 | 3960543 | 1 | Seal | |
| 30 | 3960544 | 1 | Seal | |
| 31 | 4031914 | 4 | Bolt M8 x 50 | |
| 32 | 4032014 | 4 | Bolt M10 x 50 | |
| 33 | 4711500 | 19 | Washer 5/16 | |
| 34 | 4711600 | 24 | Washer 3/8 | |
| 35 | 4711700 | 10 | Washer 7/16 | |
| 36 | 1001146219 | 4 | Washer Special | |
| 37 | 4751400 | 8 | Washer 1/4 | |
| 38 | 8406302 | 2 | Clamp | |
| 39 | 4751700 | 2 | Washer 7/16 | |
| 40 | 4791400 | 2 | Starwasher 1/4 | |
| 41 | 4811900 | 5 | Washer M8 | |
| 42 | 4811902 | 2 | Washer M8 | |
| 43 | 4812000 | 4 | Washer M10 | |
| 44 | 4812100 | 4 | Washer M12 | |
| 45 | 4812200 | 9 | Washer M14 | |
| 46 | 4892000 | 4 | Washer 5/8 | |
| 47 | 4831900 | 2 | Washer M8 | |
| 48 | 8405201 | 8 | Clamp | |
| 49 | 8405204 | 5 | Clamp | |
| 51 | 8410013 | 5 | Clamp | |
| 52 | 91563070 | 1 | Coupling, Rubber | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 55 | 1001249964 | 1 | Engine, Deutz TCD2.9L4 (See Separate Breakdown in this Section) | |
| 58 | 1001133633 | 1 | Air Cleaner Assembly | |
| 58 | 70024190 | 1 | Element, Air Filter | |
| 59 | 1001133634 | 1 | Clamp | |
| 60 | 1001166393 | 1 | Tank, Surge | |
| 61 | 1001155575 | 4 | Mount, Motor | |
| 62 | 1001191272 | 1 | Tray | |
| 63 | 1001256864 | 1 | Radiator | |
| 64 | 1001135138 | 1 | Spacer, Fan | |
| 67 | 1001135560 | 1 | Support, Engine | |
| 68 | 1001135562 | 1 | Support, Engine - Rear | |
| 69 | 1001135679 | 1 | Spacer, Pulley | |
| 70 | 1001135680 | 1 | Support, Radiator | |
| 71 | 1001135901 | 1 | Pipe, Air Intake | |
| 72 | 1001264917 | 1 | Pipe, Air Intake | |
| 73 | 3931432 | 1 | Capscrew 1/4 x 2 | |
| 74 | 1001264982 | 1 | Pipe, Air Cleaner to Intake | |
| 75 | 1001135924 | 1 | Hose, Radiator (Upper) | |
| 76 | 1001135926 | 1 | Hose, Radiator (Lower) | |
| 78 | 1001135943 | 1 | Coupling, Rubber | |
| 81 | 1001136626 | 2 | Bracket | |
| 82 | 1001136665 | 1 | Bracket | |
| 83 | 1001136834 | 1 | Cap, Tank | |
| 84 | 1001283008 | 1 | Support, Engine | |
| 85 | 1001137276 | 1 | Fan | |
| 87 | 8405007 | 2 | Clamp | |
| 89 | 4711400 | 3 | Washer 1/4 | |
| 90 | 1001117308 | 1 | Relay | |
| 92 | 1001135913 | 1 | Pipe, Turbo to Air Cleaner | |
| 93 | 1001138827 | 1 | Sensor, Coolant Level | |
| 94 | 1001138228 | 1 | Module, Power | |
| 94 | 70023592 | 1 | Fuse 20Amp (Switched Output) | |
| 94 | 70023593 | 1 | Fuse 30Amp (Battery Output) | |
| 95 | 1001138253 | 5 | Clamp | |
| 96 | 1001138346 | 1 | Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 97 | 1001138524 | 1 | Hose | |
| 98 | 1001138559 | 1 | Fitting, 90 | |
| 99 | 2720015 | 4.5 ft/ 1.4m | Hose | |
| 101 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 102 | 3310401 | 3 | Nut #4 | |
| 103 | 3910408 | 3 | Screw #4 x 1/2 | |
| 104 | 4710400 | 3 | Washer #4 | |
| 105 | 1001139240 | 1 | Bracket | |
| 106 | 1001138248 | 4 ft/ 1.2m | Tubing | |
| 107 | 1001153024 | 1 | Pipe, Exhaust | |
| 110 | 1320022 | 2 | Clamp | |
| 111 | 1001165035 | 30.5 ft/ 9.3m | Hose | |
| 112 | 0100011 | AR | Compound, Locking | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 113 | 0100020 | AR | Sealant | |
| 114 | 1001141304 | 1 | Wire, Glow Plug (Not Shown) | |
| 115 | 1001135779 | 1 | Cable, Alternator Positive (Not Shown) | |
| 117 | 1001141717 | 1 | Fitting, Straight | |
| 120 | 0761214 | 3 | Bolt M12 x 30 | |
| 122 | 1001142685 | 1 | Bracket | |
| 123 | 1001165820 | 1 | Pipe, Elbow | |
| 124 | 1001143390 | 1 | Indicator, Air Filter Service | |
| 125 | 0760810 | 2 | Bolt M8 x 20 | |
| 126 | 1001144089 | 1 | Grommet | |
| 127 | 1001145154 | 1 | Plate, Mounting | |
| 128 | 4640751 | 1 | Valve, Oil Drain | |
| 129 | 8405006 | 2 | Clamp | |
| 130 | 8406102 | AR | Clip | |
| 131 | 8406112 | 1 | Clip | |
| 132 | 1001138717 | 1 | Bracket | |
| 133 | 1001142501 | 1 | Fitting, 90 Barbed | |
| 134 | 1001154405 | 5 ft/ 1.5m | Hose | |
| 135 | 1001148843 | 1 | Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 137 | 1703162 | 2 | Decal - Fan | |
| 138 | 0641503 | 1 | Bolt 5/16 x 3/8 | |
| 139 | 1001153387 | 1 | Plate | |
| 140 | 3931508 | 2 | Capscrew 5/16 x 1/2 | |
| 141 | 1001155823 | 1 | Coupling | |
| 142 | 0100062 | AR | Adhesive, Loctite #680 | |
| 143 | 4240099 | AR | Tie-Strap (Not Shown) | |
| 144 | 8410011 | 1 | Clamp | |
| 145 | 0700812 | 1 | Bolt M8 x 25 | |
| 146 | 1321289 | 1 | Clamp | |
| 147 | 3290806 | 1 | Nut M8 | |
| 148 | 0641510 | 2 | Bolt 5/16 x 1-1/4 | |
| 149 | 0641612 | 2 | Bolt 3/8 x 1-1/2 | |

## FIGURE 3-23. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)



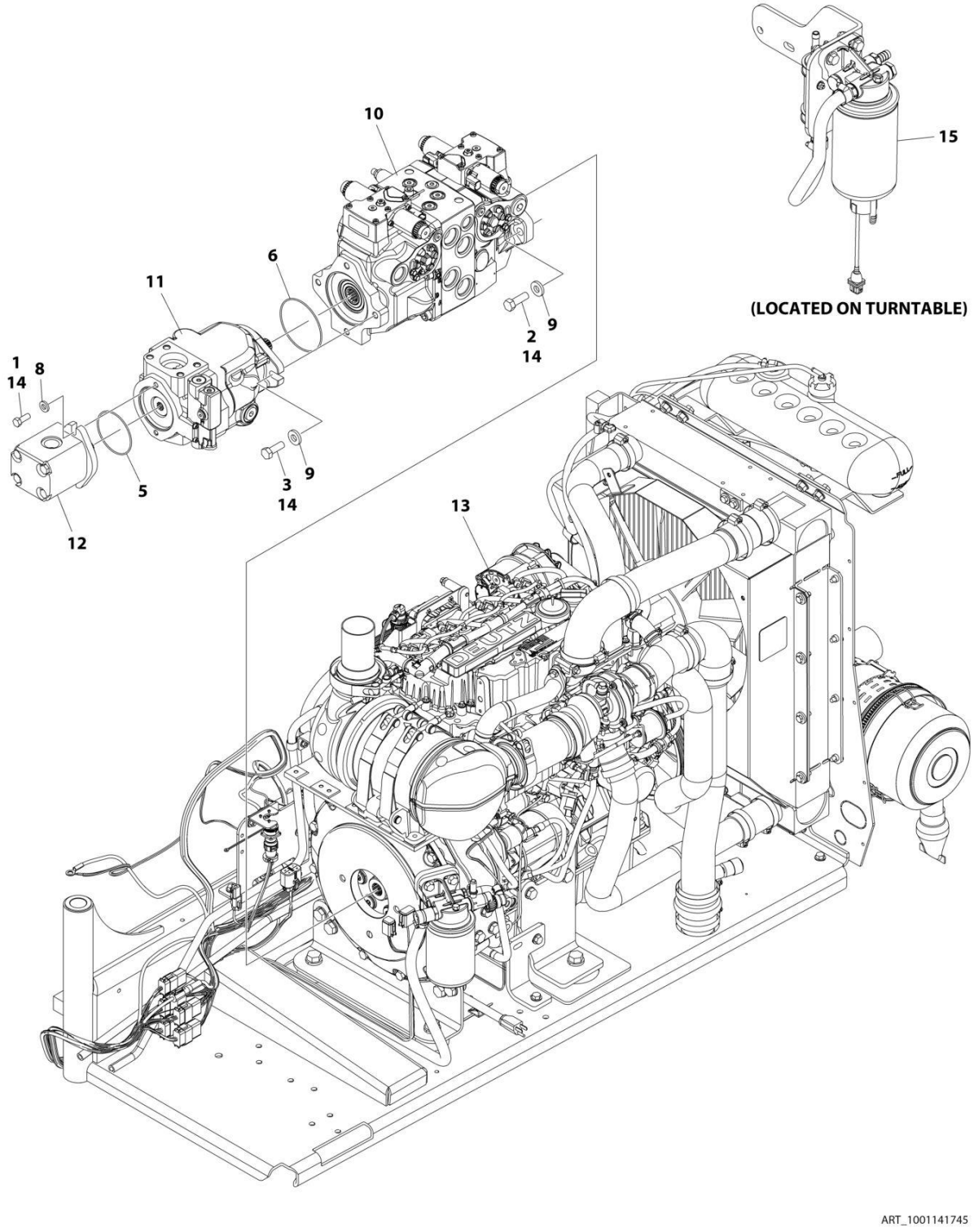
## FIGURE 3-23. DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001142378 | Ref | DEUTZ TCD2.9L4 ENGINE INSTALLATION - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE) | M |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 10 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 3 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | AR | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 14 | 0761210 | 1 | Bolt M12 x 20 | |
| 15 | 1320187 | 1 | Clamp | |
| 16 | 1320190 | 1 | Cover, Clamp | |
| 17 | 1671121 | 1 | Cover | |
| 18 | 2180832 | 1 | Fitting, Barbed | |
| 20 | 2220313 | 2 | Fitting, 90 Barbed | |
| 21 | 2750532 | 5 ft/ 1.5m | Hose | |
| 22 | 1001154405 | 1.9 ft/ 0.6m | Hose | |
| 24 | 3311405 | 10 | Nut 1/4 | |
| 26 | 3422446 | 1 | Pin, Pivot | |
| 27 | 3841143 | 1 | Pin, Keeper | |
| 28 | 4711400 | 24 | Washer 1/4 | |
| 29 | 4711600 | 19 | Washer 3/8 | |
| 30 | 4752000 | 1 | Washer 5/8 | |
| 32 | 4812100 | 1 | Washer M12 | |
| 33 | 8405006 | 2 | Clamp | |
| 34 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 34 | 70002231 | 1 | Element, Filter | |
| 35 | 1001110425 | 4 | Spacer | |
| 36 | 1001116792 | 1 | Clamp | |
| 38 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 40 | 1001145089 | 1 | Clamp | |
| 42 | 1001141745 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 43 | 1001145560 | 1 | Panel, Rubber | |
| 46 | 1001142610 | 1 | Battery Cable Kit | C |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1320022 | 3 | Clamp | |
| 48 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 3311805 | 1 | Nut 1/2 | |
| 51 | 4711800 | 3 | Washer 1/2 | |
| 52 | 1001131542 | 1 | Lanyard | |
| 54 | 3380723 | 1 | Panel, Noise Reduction | |
| 55 | 3900316 | 5 | Screw 3/8 x 1 | |
| 56 | 2120218 | 1 | Filter, High Pressure | |
| 56 | 2120219 | 1 | Element, Filter | |
| 56 | 70001344 | 1 | O-Ring, Bowl | |
| 56 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 57 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 58 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 59 | 90028660 | 1 | Clamp | |

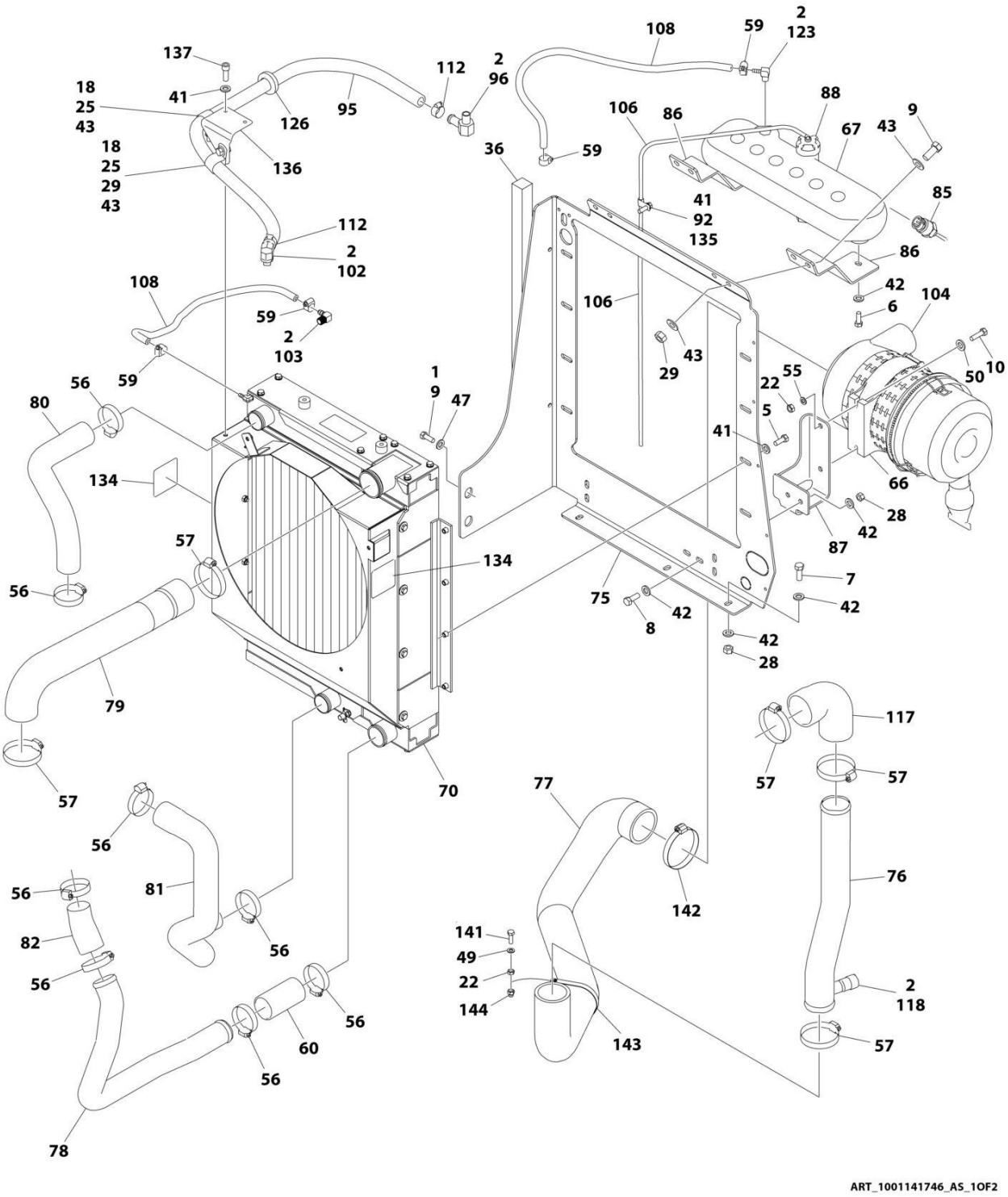
## FIGURE 3-24. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

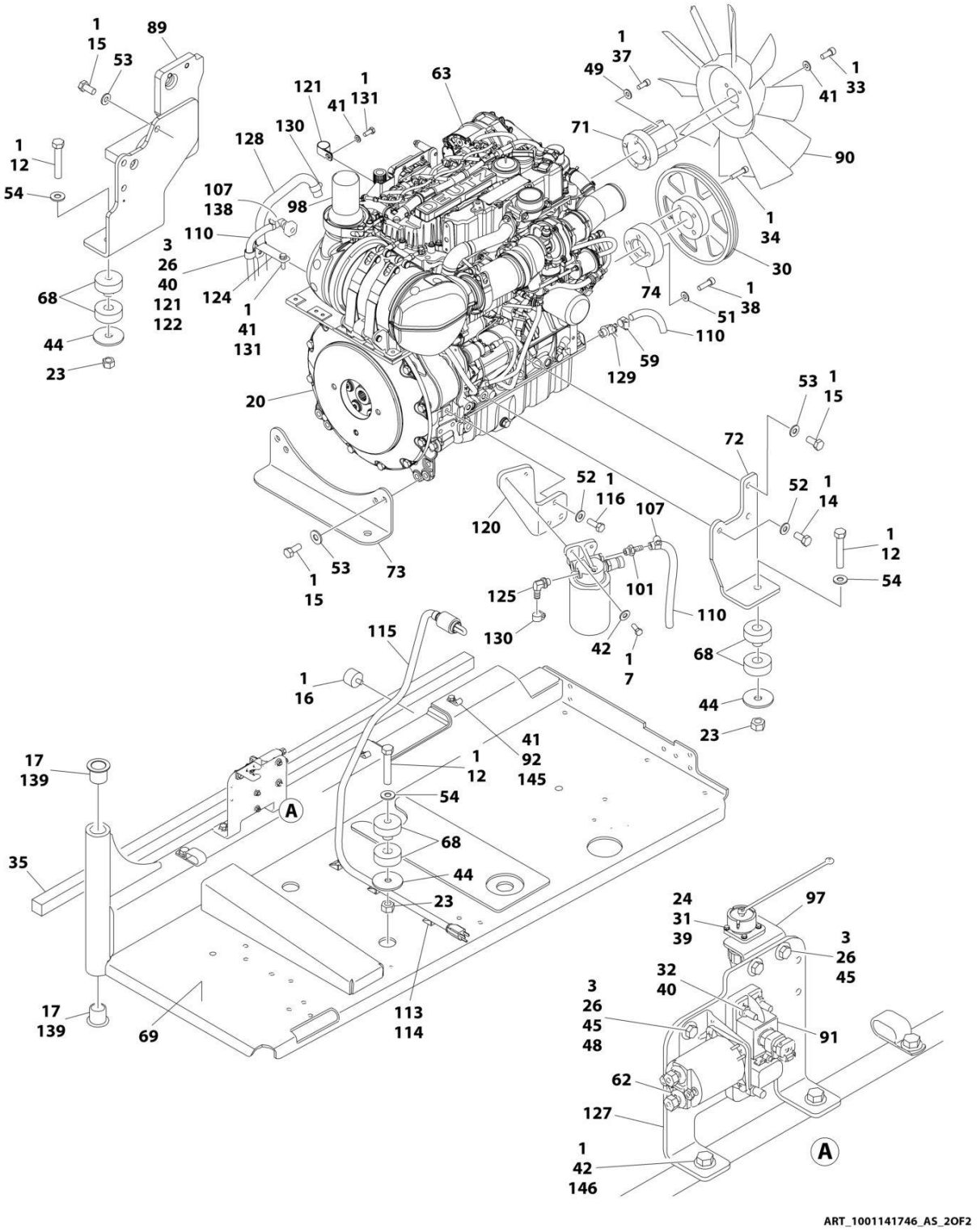


## FIGURE 3-24. DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141745 | Ref | DEUTZ TCD2.9L4 ENGINE SUB-ASSEMBLY | AL |
| 1 | 0641608 | 2 | Bolt 3/8 x 1 | |
| 2 | 0641812 | 2 | Bolt 1/2 x 1-1/2 | |
| 2 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 3 | 0761215 | 2 | Bolt M12 x 35 | |
| 5 | 3790152 | 1 | O-Ring | |
| 6 | 3790155 | 1 | O-Ring | |
| 8 | 4891600 | 2 | Washer 3/8 | |
| 9 | 4891800 | 4 | Washer 1/2 | |
| 10 | 1001108616 | 1 | Pump Assembly - Sauer Tandem (See Separate Breakdown in this Section) | |
| 11 | 1001171095 | 1 | Pump Assembly - Sauer Piston (See Separate Breakdown in this Section) | |
| 12 | 1001112927 | 1 | Pump Assembly - Sauer Gear (See Separate Breakdown in this Section) | |
| 13 | 1001141746 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |
| 14 | 0100011 | AR | Compound, Locking | |
| 15 | 1001165101 | 1 | Bracket, Fuel Pump Filter Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-25. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)




ART_1001141746_AS_2OF2

## FIGURE 3-25. DEUTZ TCD2.9L4 ENGINE ASSEMBLY - WITH SAUER PUMPS (WITH COLD WEATHER PLUS PACKAGE)

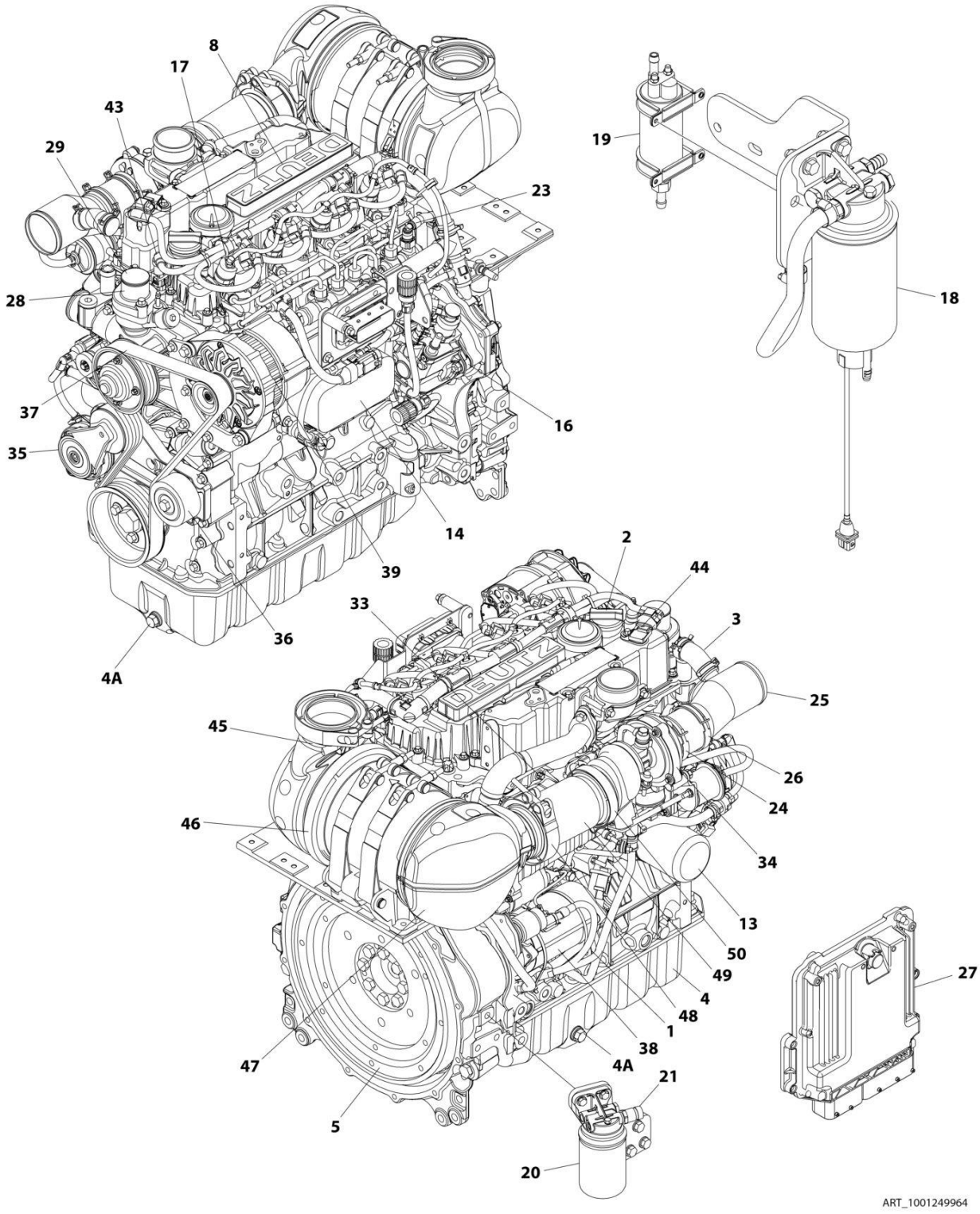
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001141746 | Ref | DEUTZ TCD2.9L4 ENGINE ASSEMBLY | AS |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100020 | AR | Sealant | |
| 3 | 0641406 | 5 | Bolt 1/4 x 3/4 | |
| 5 | 0641508 | 8 | Bolt 5/16 x 1 | |
| 6 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 7 | 0641608 | 9 | Bolt 3/8 x 1 | |
| 8 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 9 | 0641708 | 6 | Bolt 7/16 x 1 | |
| 10 | 0700815 | 2 | Bolt M8 x 35 | |
| 12 | 0682028 | 4 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 14 | 0771212 | 1 | Bolt M12 x 25 Grade 10.9 | |
| 15 | 0771414 | 9 | Bolt M14 x 30 Grade 10.9 | |
| 16 | 0940070 | 1 | Bumper | |
| 17 | 0961986 | 2 | Bushing, Flanged | |
| 18 | 0641706 | 2 | Bolt 7/16 x 3/4 | |
| 20 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 22 | 3290801 | 3 | Nut M8 | |
| 23 | 3272001 | 4 | Nut 5/8 Grade 8 | |
| 24 | 3310401 | 3 | Nut #4 | |
| 25 | 8406302 | 2 | Clamp | |
| 26 | 3311405 | 6 | Nut 1/4 | |
| 28 | 3311605 | 9 | Nut 3/8 | |
| 29 | 3311705 | 5 | Nut 7/16 | |
| 30 | 3580320 | 1 | Pulley | |
| 31 | 3910408 | 3 | Screw #4 x 1/2 | |
| 32 | 3931432 | 1 | Capscrew 1/4 x 2 | |
| 33 | 3931512 | 4 | Capscrew 5/16 x 3/4 | |
| 34 | 3931628 | 4 | Capscrew 3/8 x 1-3/4 | |
| 35 | 3960543 | 1 | Seal | |
| 36 | 3960544 | 1 | Seal | |
| 37 | 4031914 | 4 | Bolt M8 x 50 | |
| 38 | 4032014 | 4 | Bolt M10 x 50 | |
| 39 | 4710400 | 3 | Washer #4 | |
| 40 | 4711400 | 3 | Washer 1/4 | |
| 41 | 4711500 | 19 | Washer 5/16 | |
| 42 | 4711600 | 24 | Washer 3/8 | |
| 43 | 4711700 | 10 | Washer 7/16 | |
| 44 | 1001146219 | 4 | Washer Special | |
| 45 | 4751400 | 8 | Washer 1/4 | |
| 47 | 4751700 | 2 | Washer 7/16 | |
| 48 | 4791400 | 2 | Starwasher 1/4 | |
| 49 | 4811900 | 5 | Washer M8 | |
| 50 | 4811902 | 2 | Washer M8 | |
| 51 | 4812000 | 4 | Washer M10 | |
| 52 | 4812100 | 4 | Washer M12 | |
| 53 | 4812200 | 9 | Washer M14 | |
| 54 | 4892000 | 4 | Washer 5/8 | |
| 55 | 4831900 | 2 | Washer M8 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 56 | 8405201 | 8 | Clamp | |
| 57 | 8405204 | 5 | Clamp | |
| 59 | 8410013 | 5 | Clamp | |
| 60 | 91563070 | 1 | Coupling, Rubber | |
| 62 | 1001117308 | 1 | Relay | |
| 63 | 1001249964 | 1 | Engine, Deutz TCD2.9L4 (See Separate Breakdown in this Section) | |
| 66 | 1001133634 | 1 | Clamp | |
| 67 | 1001166393 | 1 | Tank, Surge | |
| 68 | 1001155575 | 4 | Mount, Motor | |
| 69 | 1001191272 | 1 | Tray | |
| 70 | 1001256864 | 1 | Radiator | |
| 71 | 1001135138 | 1 | Spacer, Fan | |
| 72 | 1001135560 | 1 | Support, Engine | |
| 73 | 1001135562 | 1 | Support, Engine - Rear | |
| 74 | 1001135679 | 1 | Spacer, Pulley | |
| 75 | 1001135680 | 1 | Support, Radiator | |
| 76 | 1001135901 | 1 | Pipe, Air Intake | |
| 77 | 1001264917 | 1 | Hose, Air Intake | |
| 78 | 1001135913 | 1 | Pipe, Turbo to Air Cleaner | |
| 79 | 1001264982 | 1 | Hose, Air Cleaner to Intake | |
| 80 | 1001135924 | 1 | Hose, Radiator (Upper) | |
| 81 | 1001135926 | 1 | Hose, Radiator (Lower) | |
| 82 | 1001135943 | 1 | Coupling, Rubber | |
| 85 | 1001138827 | 1 | Sensor, Coolant Level | |
| 86 | 1001136626 | 2 | Bracket | |
| 87 | 1001136665 | 1 | Bracket | |
| 88 | 1001136834 | 1 | Cap, Tank | |
| 89 | 1001283008 | 1 | Support, Engine | |
| 90 | 1001137276 | 1 | Fan | |
| 91 | 1001138228 | 1 | Module, Power | |
| 91 | 70023592 | 1 | Fuse 20Amp (Switched Output) | |
| 91 | 70023593 | 1 | Fuse 30Amp (Battery Output) | |
| 92 | 1001138253 | 5 | Clamp | |
| 94 | 1001138346 | 1 | Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 95 | 1001138524 | 1 | Hose | |
| 96 | 1001138559 | 1 | Fitting, 90 | |
| 97 | 1001139240 | 1 | Bracket | |
| 98 | 1001153024 | 1 | Pipe, Exhaust | |
| 100 | 1001141304 | 1 | Wire, Glow Plug (Not Shown) | |
| 101 | 1001141717 | 1 | Fitting, Straight | |
| 102 | 1001141719 | 1 | Fitting, 90 Barbed | |
| 103 | 1001140564 | 1 | Fitting, 90 Barbed | |
| 104 | 1001133633 | 1 | Air Cleaner Assembly | |
| 104 | 70024190 | 1 | Element, Air Filter | |
| 105 | 1001135779 | 1 | Cable, Alternator Positive (Not Shown) | |
| 106 | 1001138248 | 4 ft/ 1.2m | Tubing | |
| 107 | 1320022 | 2 | Clamp | |
| 108 | 2720015 | 4.5 ft/ 1.4m | Hose | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 110 | 1001165035 | 30.5 ft/ 9.3m | Hose | |
| 112 | 8405007 | 2 | Clamp | |
| 113 | 4240099 | AR | Tie-Strap (Used to Secure Block Heater Cord) | |
| 114 | 4460234 | 3 | Mount, Wire Tie (Used to Secure Block Heater Cord) | |
| 115 | 1001140312 | 1 | Heater, Block | |
| 116 | 0761214 | 3 | Bolt M12 x 30 | |
| 117 | 1001165820 | 1 | Pipe, Elbow | |
| 118 | 1001143390 | 1 | Indicator, Air Filter Service | |
| 120 | 1001142685 | 1 | Bracket | |
| 121 | 8406102 | AR | Clip | |
| 122 | 8406112 | 1 | Clip | |
| 123 | 1001134488 | 1 | Fitting, 90 Barbed | |
| 124 | 1001138717 | 1 | Bracket | |
| 125 | 1001142501 | 1 | Fitting, 90 Barbed | |
| 126 | 1001144089 | 1 | Grommet | |
| 127 | 1001145154 | 1 | Plate, Mounting | |
| 128 | 1001154405 | 5 ft/ 1.5m | Hose | |
| 129 | 4640751 | 1 | Valve, Oil Drain | |
| 130 | 8405006 | 2 | Clamp | |
| 131 | 0760810 | AR | Bolt M8 x 20 | |
| 132 | 1001148843 | 1 | Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 134 | 1703162 | 2 | Decal - Fan | |
| 135 | 0641503 | 1 | Bolt 5/16 x 3/8 | |
| 136 | 1001153387 | 1 | Plate | |
| 137 | 3931508 | 2 | Capscrew 5/16 x 1/2 | |
| 138 | 1001155823 | 1 | Coupling | |
| 139 | 0100062 | AR | Adhesive, Loctite #680 | |
| 140 | 1001181895 | AR | Adhesive, Loctite #640 (Not Shown - Apply to Block Heater) | |
| 141 | 0700812 | 1 | Bolt M8 x 25 | |
| 142 | 8410011 | 1 | Clamp | |
| 143 | 1321289 | 1 | Clamp | |
| 144 | 3290806 | 1 | Nut M8 | |
| 145 | 0641510 | 2 | Bolt 5/16 x 1-1/4 | |
| 146 | 0641612 | 2 | Bolt 3/8 x 1-1/2 | |

## FIGURE 3-26. DEUTZ TCD2.9L4 ENGINE COMPONENTS



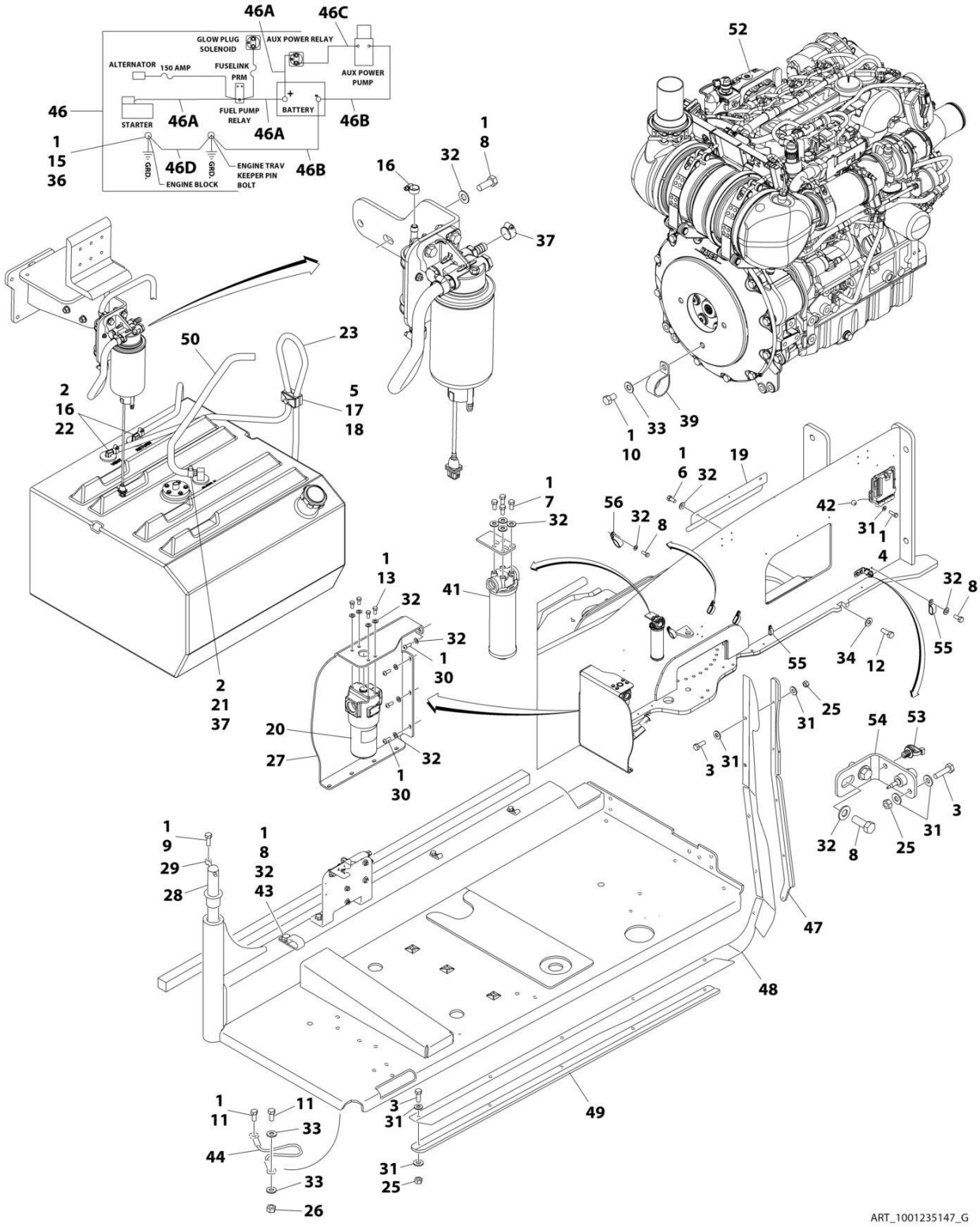
## FIGURE 3-26. DEUTZ TCD2.9L4 ENGINE COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001249964 | Ref | DEUTZ TCD2.9L4 ENGINE COMPONENTS | A |
| 1 | 70024904 | 1 | Dipstick | |
| 1 | 70024905 | 1 | O-Ring | |
| 2 | 7020465 | 2 | Cap, Filler | |
| 3 | 7002511 | 2 | Clamp | |
| 4 | | Ref | Pan, Oil | |
| 4A | 70005941 | 2 | Plug | |
| 4A | 70005942 | 2 | Washer, Sealing | |
| 5 | 70001870 | 1 | Flywheel | |
| 5 | 7024579 | 1 | Gear, Ring | |
| 6 | 70024906 | 1 | Gasket, Head (Not Shown) | |
| 8 | 70005921 | 1 | Cover, Valve | |
| 8 | 70005171 | 1 | Gasket | |
| 8 | 70025205 | 1 | Gasket, Small Valve Cover | |
| 10 | 70004280 | 1 | Seal, Shaft - Front (Not Shown) | |
| 11 | 70002718 | 1 | Seal, Shaft - Rear (Not Shown) | |
| 12 | 70005172 | 1 | Pump, Oil Lube (Not Shown) | |
| 12 | 70025135 | 1 | O-Ring | |
| 12 | 70025136 | 1 | Gasket | |
| 13 | 7016331 | 1 | Filter, Oil | |
| 13 | 70025137 | 1 | Bushing | |
| 14 | 70024494 | 1 | Cooler, Engine Oil | |
| 14 | 70024925 | 1 | Gasket | |
| 16 | 70024924 | 1 | Pump, Fuel | |
| 16 | 70025152 | 1 | O-Ring | |
| 16 | 70004505 | 1 | Valve, Overflow | |
| 16 | 70004506 | 1 | O-Ring | |
| 16 | 70004507 | 1 | O-Ring | |
| 16 | 70004508 | 1 | Valve Volume Control | |
| 16 | 70004509 | 1 | O-Ring | |
| 16 | 70004510 | 1 | Gasket | |
| 17 | 70025181 | 4 | Injector, Fuel | |
| 17 | 70025140 | 4 | Washer, Sealing | |
| 17 | 70025146 | 4 | Clamp (Top of Injector) | |
| 17 | 70025145 | 4 | O-Ring | |
| 17 | 70025154 | 4 | Shoe, Clamping | |
| 17 | 70000345 | 1 | Plug, Glow (Not Shown) | |
| 18 | 70024961 | 1 | Fuel Filter Assembly | |
| 18 | 1001225430 | 1 | Filter, Fuel | |
| 18 | 70024513 | 1 | Cable, Sensor | |
| 18 | 70025239 | 1 | Ring, Sealing | |
| 19 | 70006144 | 1 | Pump, Fuel | |
| 19 | 70025144 | 2 | Clamp | |
| 20 | 70029451 | 1 | Filter with Head | |
| 20 | 1001225431 | 1 | Filter, Fuel | |
| 21 | 70024919 | 1 | Sensor, Pressure | |
| 21 | 70024920 | 1 | O-Ring | |
| 22 | 70025151 | 1 | Rail, Fuel (Not Shown) | |
| 22 | 70025235 | 1 | Repair Kit (Not Shown) | |
| 23 | 70025182 | 1 | Fuel Line - High Pressure (Cylinder 1 & 2) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 23 | 70025183 | 1 | Fuel Line - High Pressure (Cylinder 3 & 4) | |
| 23 | 70025184 | 1 | Fuel Line - High Pressure (Supply) | |
| 24 | 70004501 | 1 | Sleeve, Rubber | |
| 25 | 70004502 | 1 | Pipe, Intake | |
| 25 | 70005926 | 1 | Pipe, Elbow | |
| 26 | 70025112 | 2 | Clamp | |
| 27 | 70025210 | 1 | ECU (Engine Control Unit) | |
| 28 | 70029797 | 1 | Pump, Water | |
| 28 | 70025200 | 1 | Ring, Sealing | |
| 28 | 70007325 | 1 | Gasket | |
| 28 | 7020492 | 2 | Ring, Sealing (Plug) | |
| 29 | 70005929 | 1 | Thermostat | |
| 29 | 70025184 | 1 | O-Ring (Thermostat to Cover) | |
| 29 | 70005931 | 1 | Gasket (Thermostat to Pump) | |
| 29 | 70025142 | 1 | Cover, Thermostat | |
| 31 | 70007326 | 1 | Valve, Shuttle (EGR) (Not Shown) | |
| 31 | 70007327 | 1 | Gasket | |
| 33 | 70004282 | 1 | Manifold, Exhaust | |
| 33 | 70025164 | 1 | Gasket, Exhaust Manifold to Head | |
| 33 | 70029557 | 1 | Gasket, Exhaust Manifold to Pipe | |
| 34 | 70007328 | 1 | Turbocharger | |
| 34 | 70024912 | 1 | Gasket, Exhaust Manifold | |
| 35 | 70028699 | 1 | Tensioner, Belt | |
| 36 | | Ref | Idler Roller | |
| 37 | 70004277 | 1 | Belt, Drive | |
| 38 | 70024915 | 1 | Starter | |
| 38 | 70005647 | 1 | Switch, Solenoid | |
| 38 | 70005648 | 1 | Relay | |
| 39 | 70029401 | 1 | Generator | |
| 39 | 70006653 | 1 | Regulator, Voltage | |
| 40 | 70007329 | 1 | Harness, Engine (Not Shown) | |
| 41 | 70024504 | 1 | Sensor, Pressure (Not Shown - Located Top Rear) | |
| 41 | 70024920 | 1 | O-Ring | |
| 42 | 70026210 | 2 | Sensor, Speed (Not Shown - Located Left Side Front and Flywheel Housing) | |
| 42 | 70024917 | 2 | O-Ring | |
| 43 | 70028540 | 1 | Sender, Temperature | |
| 44 | 70024507 | 1 | Sensor, Pressure | |
| 44 | 70025120 | 1 | O-Ring | |
| 45 | 70007331 | 1 | Outlet, Muffler | |
| 46 | 70029517 | 1 | Clip | |
| 46 | 70029520 | 1 | Gasket | |
| 47 | 70007330 | 1 | Inlet | |
| 48 | 70025877 | 1 | Clip | |
| 48 | 70025788 | 1 | Nut | |
| 48 | 70025242 | 1 | Gasket | |
| 49 | 70004504 | 1 | Compensator | |
| 50 | 70005527 | 1 | Clip | |
| 50 | 70029433 | 1 | Clip | |
| 50 | 70025242 | 1 | Gasket | |

## FIGURE 3-27. DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)



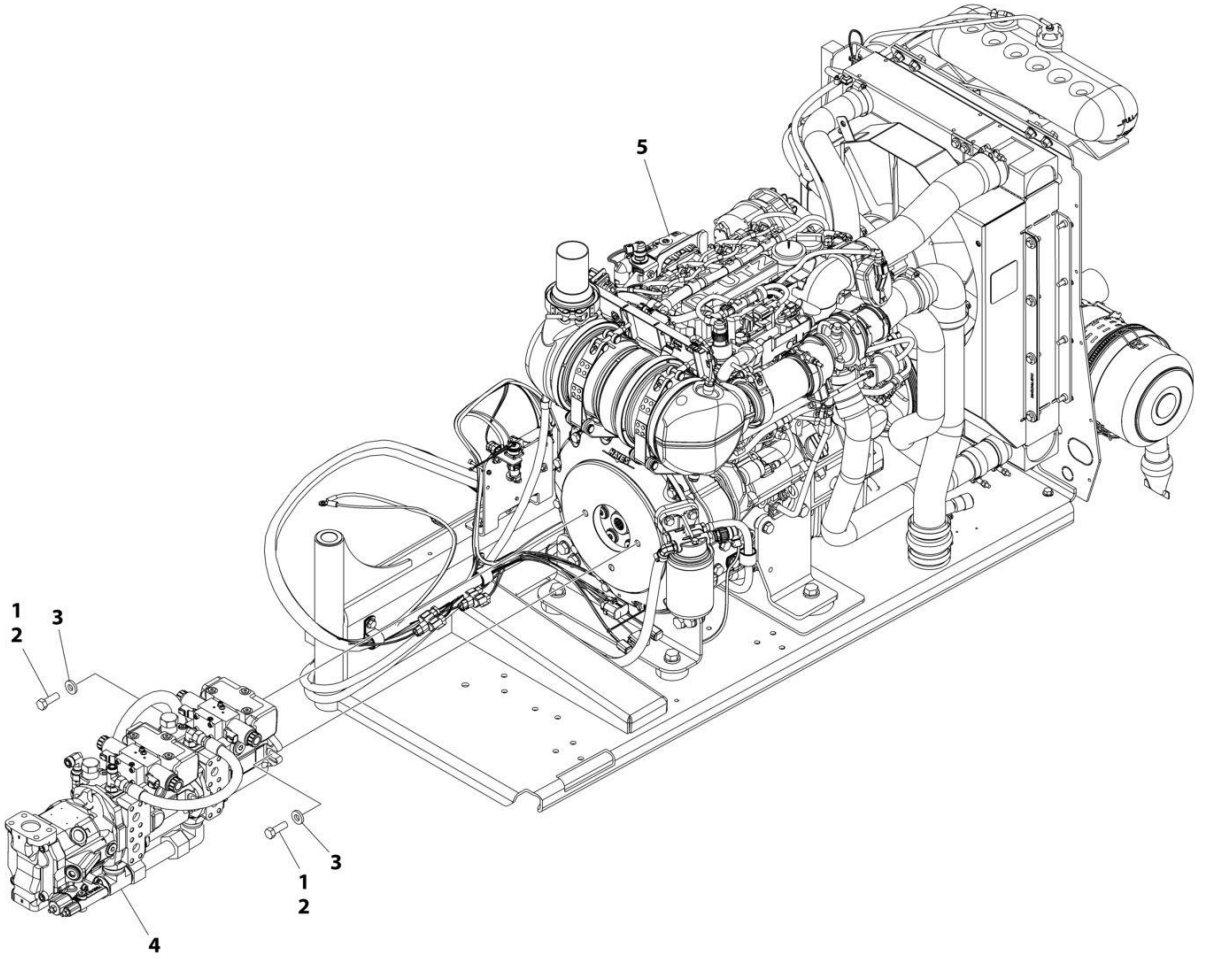
## FIGURE 3-27. DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION - WITH REXROTH PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001235147 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 11 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 10 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 10 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 11 | 0641808 | 2 | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 13 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 15 | 0761210 | 1 | Bolt M12 x 20 | |
| 16 | 1320022 | 3 | Clamp | |
| 17 | 1320187 | 1 | Clamp | |
| 18 | 1320190 | 1 | Cover, Clamp | |
| 19 | 1671121 | 1 | Cover | |
| 20 | 2120218 | 1 | Filter, High Pressure | |
| 20 | 2120219 | 1 | Element, Filter | |
| 20 | 70001344 | 1 | O-Ring, Bowl | |
| 20 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 21 | 2180832 | 1 | Fitting, Barbed | |
| 22 | 2220313 | 2 | Fitting, 90 Barbed | |
| 23 | 2750532 | 5 ft/1.5m | Hose | |
| 25 | 3311405 | 11 | Nut 1/4 | |
| 26 | 3311805 | 1 | Nut 1/2 | |
| 27 | 3380723 | 1 | Panel, Noise Reduction | |
| 28 | 3422446 | 1 | Pin, Pivot | |
| 29 | 3841143 | 1 | Pin, Keeper | |
| 30 | 3900316 | 5 | Screw 3/8 x 1 | |
| 31 | 4711400 | 26 | Washer 1/4 | |
| 32 | 4711600 | 26 | Washer 3/8 | |
| 33 | 4711800 | 3 | Washer 1/2 | |
| 34 | 4752000 | 1 | Washer 5/8 | |
| 36 | 4812100 | 1 | Washer M12 | |
| 37 | 8405006 | 2 | Clamp | |
| 39 | 90028660 | 1 | Clamp | |
| 41 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 41 | 70002231 | 1 | Element, Filter | |
| 42 | 1001110425 | 4 | Spacer | |
| 43 | 1001116792 | 1 | Clamp | |
| 44 | 1001131542 | 1 | Lanyard | |
| 45 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 46 | 1001142610 | 1 | Battery Cable Kit | |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1001145089 | 1 | Clamp | |
| 48 | 1001145560 | 1 | Panel, Rubber | |
| 49 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 1001154405 | 1.9 ft /0.6m | Hose | |
| 52 | 1001277607 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 53 | 1001146588 | 1 | Strap | |
| 54 | 1001256879 | 1 | Bracket | |
| 55 | 1321283 | 2 | Clamp | |
| 56 | 1321716 | 3 | Clamp | |
| 57 | 4240099 | AR | Tie-Strap (Not Shown) | |

## FIGURE 3-28. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP AND ABS HOODS (WITHOUT COLD WEATHER PLUS PACKAGE)

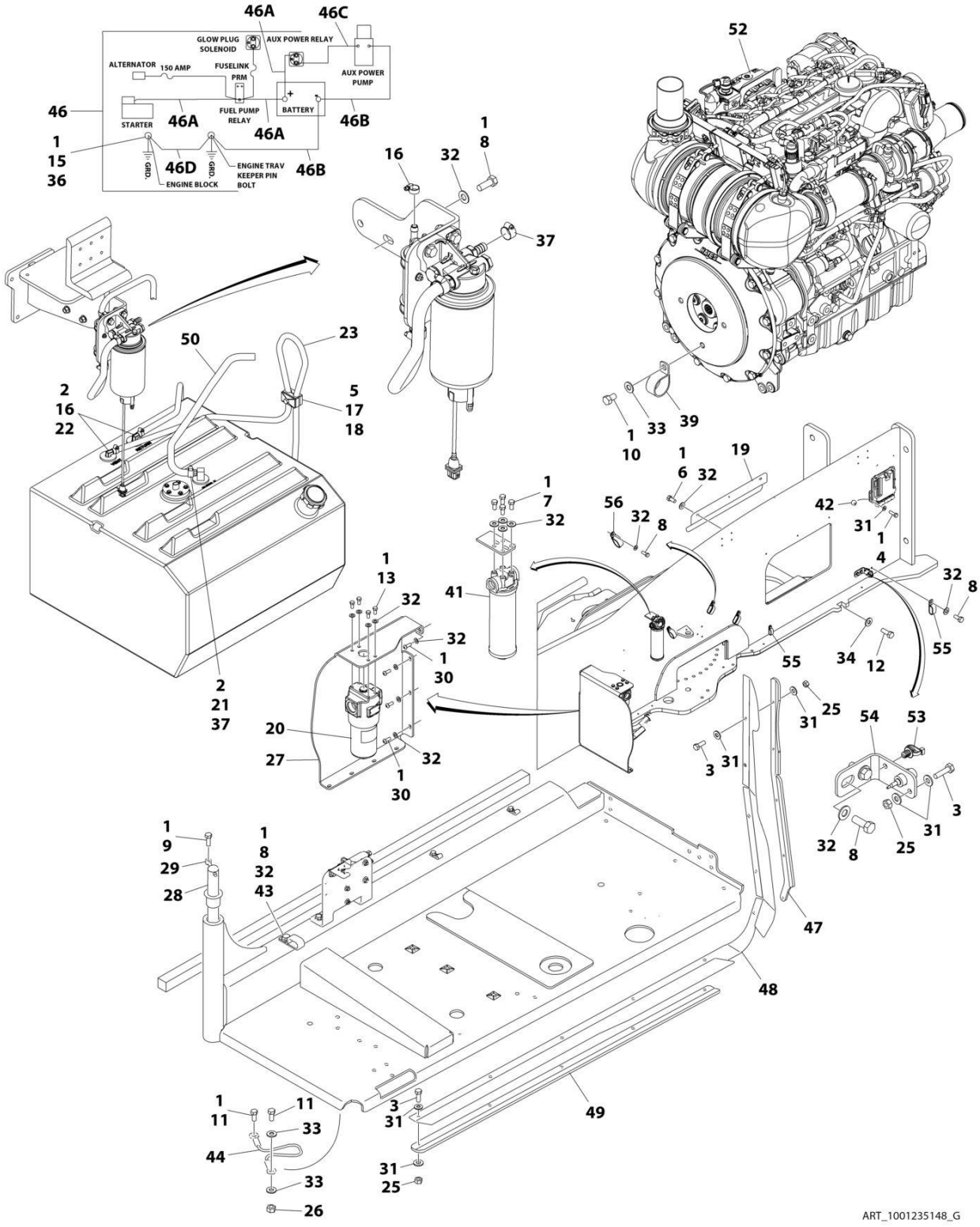


## FIGURE 3-28. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH REXROTH PUMP AND ABS HOODS (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001277607 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 3 | 4891800 | 2 | Washer 1/2 | |
| 4 | 1001152963 | 1 | Pump Assembly (See Separate Breakdown in this Section) | |
| 5 | 1001277599 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |

# SECTION 3 - ENGINE

## FIGURE 3-29. DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)



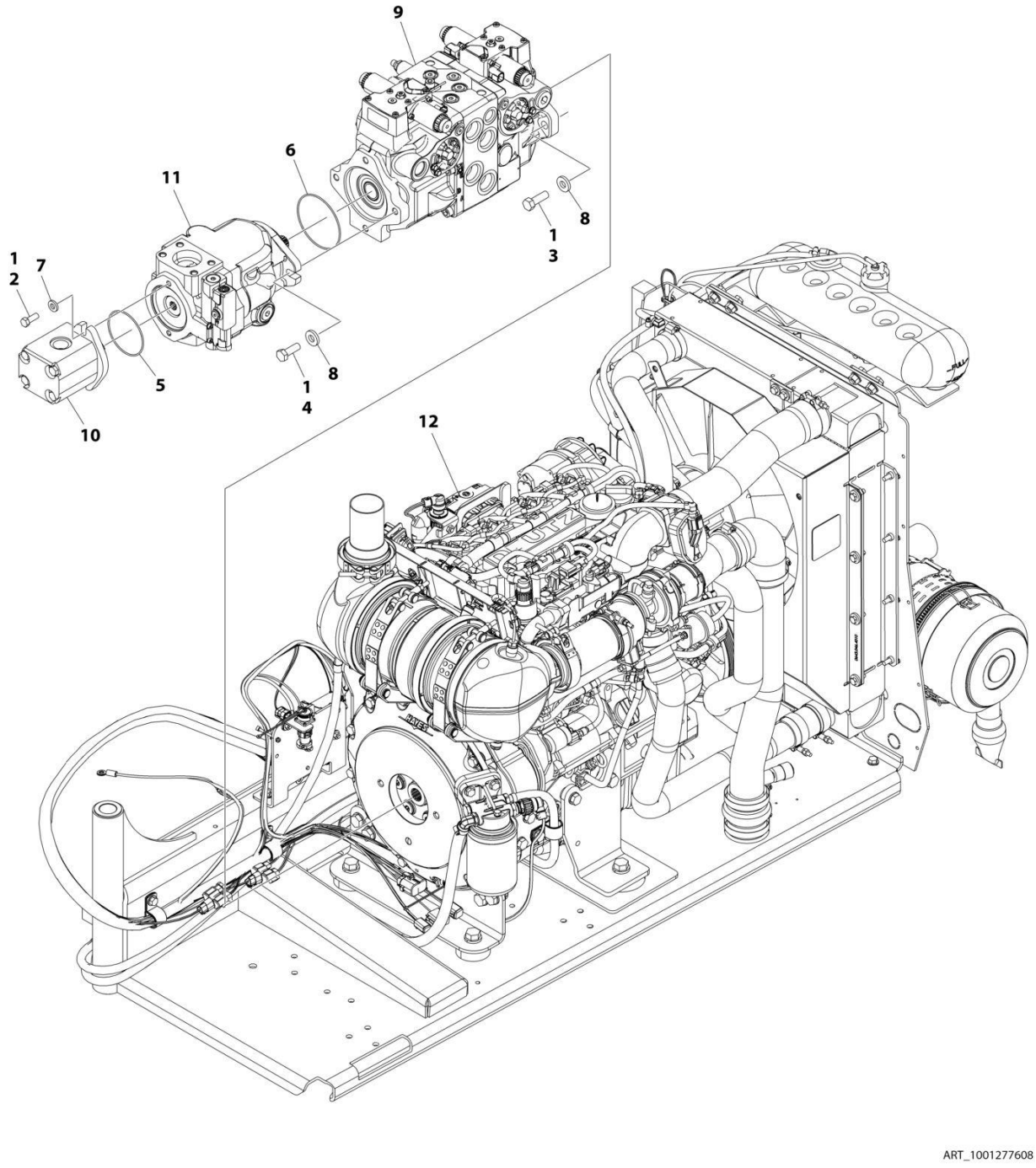
## FIGURE 3-29. DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION - WITH SAUER PUMP (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001235148 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE INSTALLATION | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100079 | AR | Sealant, Pipe | |
| 3 | 0641408 | 11 | Bolt 1/4 x 1 | |
| 4 | 0641410 | 4 | Bolt 1/4 x 1-1/4 | |
| 5 | 0641511 | 1 | Bolt 5/16 x 1-3/8 | |
| 6 | 0641605 | 3 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 8 | 0641608 | 10 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 10 | 0641806 | 1 | Bolt 1/2 x 3/4 | |
| 11 | 0641808 | 2 | Bolt 1/2 x 1 | |
| 12 | 0642010 | 1 | Bolt 5/8 x 1-1/4 | |
| 13 | 0651606 | 4 | Bolt 3/8 x 3/4 | |
| 15 | 0761210 | 1 | Bolt M12 x 20 | |
| 16 | 1320022 | 3 | Clamp | |
| 17 | 1320187 | 1 | Clamp | |
| 18 | 1320190 | 1 | Cover, Clamp | |
| 19 | 1671121 | 1 | Cover | |
| 20 | 2120218 | 1 | Filter, High Pressure | |
| 20 | 2120219 | 1 | Element, Filter | |
| 20 | 70001344 | 1 | O-Ring, Bowl | |
| 20 | 70006137 | 1 | Seal Kit - Includes O-Ring (Element), O-Ring (Bowl), Back-up Ring (Bowl), Seal Ring (Indicator) and O-Ring (Indicator) | |
| 21 | 2180832 | 1 | Fitting, Barbed | |
| 22 | 2220313 | 2 | Fitting, 90 Barbed | |
| 23 | 2750532 | 5 ft /1.5m | Hose | |
| 25 | 3311405 | 11 | Nut 1/4 | |
| 26 | 3311805 | 1 | Nut 1/2 | |
| 27 | 3380723 | 1 | Panel, Noise Reduction | |
| 28 | 3422446 | 1 | Pin, Pivot | |
| 29 | 3841143 | 1 | Pin, Keeper | |
| 30 | 3900316 | 5 | Screw 3/8 x 1 | |
| 31 | 4711400 | 26 | Washer 1/4 | |
| 32 | 4711600 | 26 | Washer 3/8 | |
| 33 | 4711800 | 3 | Washer 1/2 | |
| 34 | 4752000 | 1 | Washer 5/8 | |
| 36 | 4812100 | 1 | Washer M12 | |
| 37 | 8405006 | 2 | Clamp | |
| 39 | 90028660 | 1 | Clamp | |
| 41 | 1001108617 | 1 | Hydraulic Pressure Filter Assembly | |
| 41 | 70002231 | 1 | Element, Filter | |
| 42 | 1001110425 | 4 | Spacer | |
| 43 | 1001116792 | 1 | Clamp | |
| 44 | 1001131542 | 1 | Lanyard | |
| 45 | 1001138491 | NLA | Harness, Fuel (Use p/n 1001222665) (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 46 | 1001142610 | 1 | Battery Cable Kit | |
| 46A | 7027046 | 1 | Cable, Battery (Red) (Battery + to Relays and Starter) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46A | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46B | 7027047 | 1 | Cable, Battery (Black) (Battery - to Tray Pivot Grd) and Aux Pump | |
| 46B | See Note | NSS | Boot, Ring Terminal (Black) (Note: Not Available - Purchase Locally) | |
| 46C | 7027048 | 1 | Cable (Red) (Aux Relay to Aux Pump) | |
| 46C | See Note | NSS | Boot, Ring Terminal (Red) (Note: Not Available - Purchase Locally) | |
| 46D | 7027049 | 1 | Cable, Battery (Black) (Engine to Tray Pivot Grd) | |
| 47 | 1001145089 | 1 | Clamp | |
| 48 | 1001145560 | 1 | Panel, Rubber | |
| 49 | 1001145842 | 1 | Plate, Clamping | |
| 50 | 1001154405 | 1.9 ft /0.6m | Hose | |
| 52 | 1001277608 | 1 | Engine Sub-Assembly (See Separate Breakdown in this Section) | |
| 53 | 1001146588 | 1 | Strap | |
| 54 | 1001256879 | 1 | Bracket | |
| 55 | 1321283 | 2 | Clamp | |
| 56 | 1321716 | 3 | Clamp | |
| 57 | 4240099 | AR | Tie-Strap (Not Shown) | |

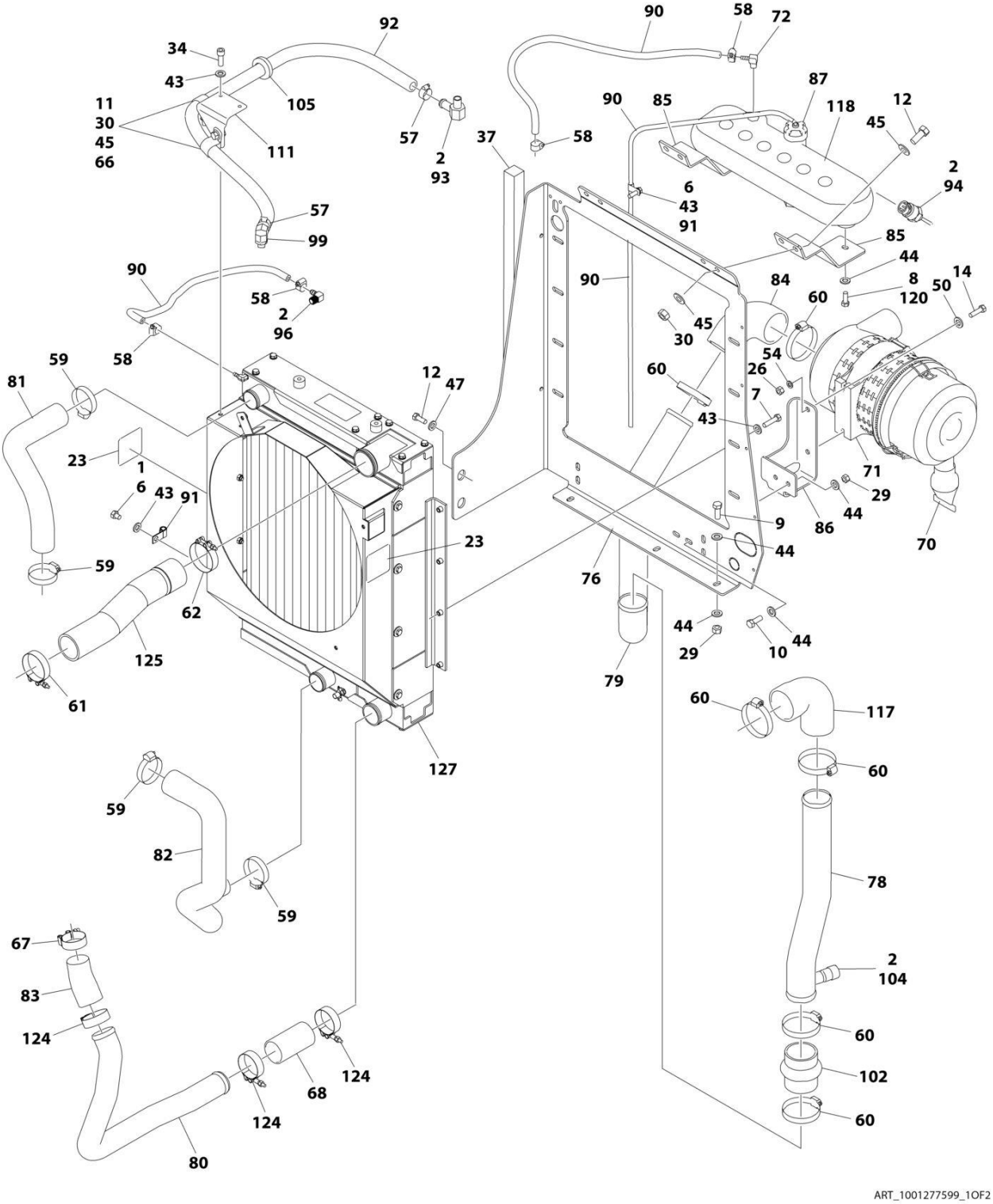
## FIGURE 3-30. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP AND ABS HOODS (WITHOUT COLD WEATHER PLUS PACKAGE)

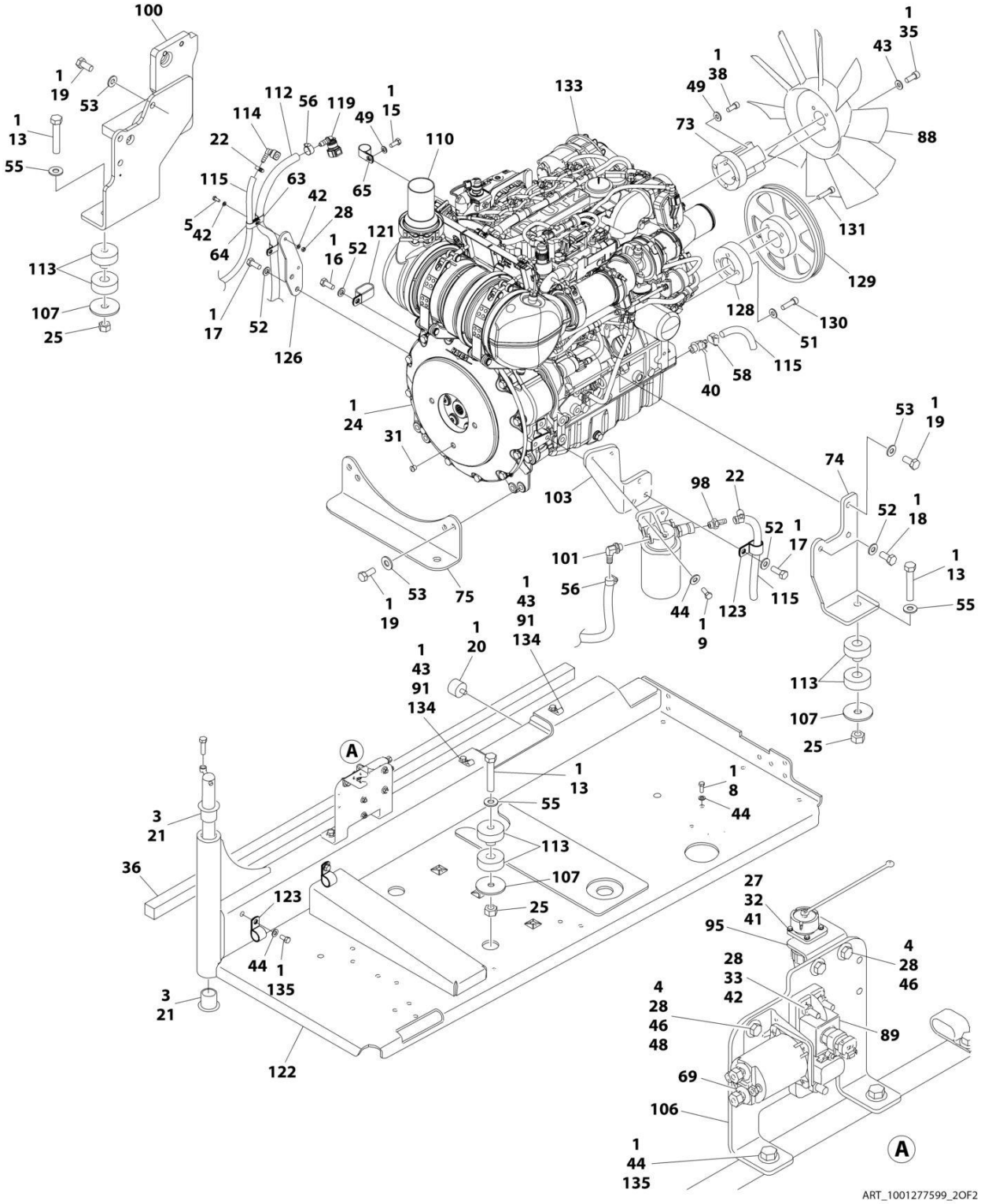


## FIGURE 3-30. DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY - WITH SAUER PUMP AND ABS HOODS (WITHOUT COLD WEATHER PLUS PACKAGE)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001277608 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE SUB-ASSEMBLY | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641608 | 2 | Bolt 3/8 x 1 | |
| 3 | 0641814 | 2 | Bolt 1/2 x 1-3/4 | |
| 4 | 0761215 | 2 | Bolt M12 x 35 | |
| 5 | 3790152 | 1 | O-Ring | |
| 6 | 3790155 | 1 | O-Ring | |
| 7 | 4891600 | 2 | Washer 3/8 | |
| 8 | 4891800 | 4 | Washer 1/2 | |
| 9 | 1001108616 | 1 | Pump Assembly - Tandem (See Separate Breakdown in this Section) | |
| 10 | 1001112927 | 1 | Pump Assembly - Gear (See Separate Breakdown in this Section) | |
| 11 | 1001171095 | 1 | Pump Assembly - Piston (See Separate Breakdown in this Section) | |
| 12 | 1001277599 | 1 | Engine Assembly (See Separate Breakdown in this Section) | |

## FIGURE 3-31. DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)




ART_1001277599_2OF2

## FIGURE 3-31. DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY (WITHOUT COLD WEATHER PLUS PACKAGE)

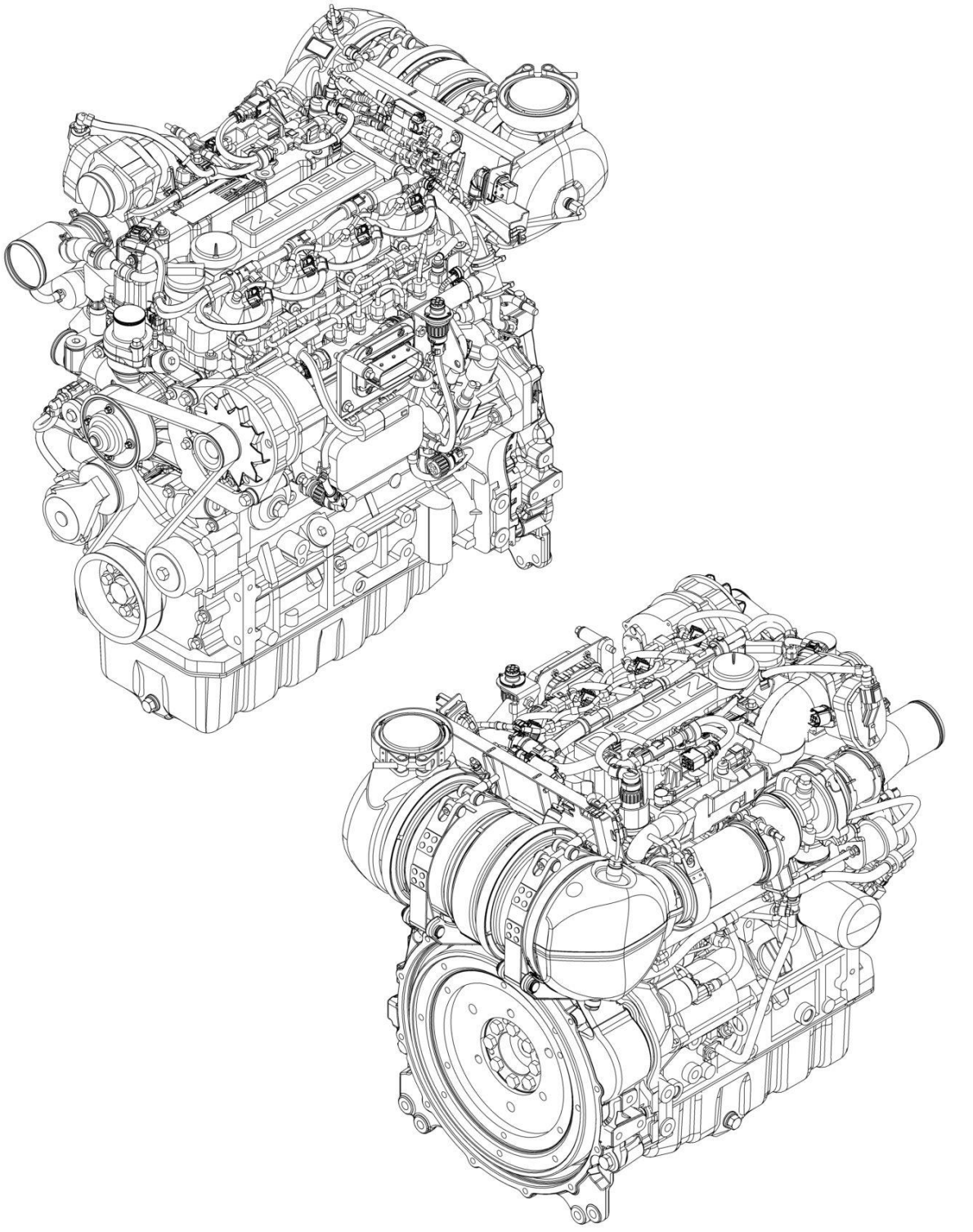
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001277599 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE ASSEMBLY | D |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100020 | AR | Sealant | |
| 3 | 0100062 | AR | Adhesive | |
| 4 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 5 | 0641407 | 2 | Bolt 1/4 x 7/8 | |
| 6 | 0641503 | 1 | Bolt 5/16 x 3/8 | |
| 7 | 0641508 | 8 | Bolt 5/16 x 1-1/4 | |
| 8 | 0641606 | 3 | Bolt 3/8 x 3/4 | |
| 9 | 0641608 | 9 | Bolt 3/8 x 1 | |
| 10 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641706 | 2 | Bolt 7/16 x 3/4 | |
| 12 | 0641708 | 6 | Bolt 7/16 x 1 | |
| 13 | 0682028 | 4 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 14 | 0700815 | 2 | Bolt M8 x 35 | |
| 15 | 0760808 | 1 | Bolt M8 x 16 | |
| 16 | 0761212 | 1 | Bolt M12 x 25 | |
| 17 | 0761214 | 5 | Bolt M12 x 30 | |
| 18 | 0771212 | 1 | Bolt M12 x 25 Grade 10.9 | |
| 19 | 0771414 | 9 | Bolt M14 x 30 Grade 10.9 | |
| 20 | 0940070 | 1 | Bumper | |
| 21 | 0961986 | 2 | Bushing, Flanged | |
| 22 | 1320022 | 2 | Clamp | |
| 23 | 1703162 | 2 | Decal - Fan | |
| 24 | 2902065 | 1 | Pump Coupling Kit (See Separate Breakdown in this Section) | |
| 25 | 3272001 | 4 | Nut 5/8 Grade 8 | |
| 26 | 3290801 | 2 | Nut M8 | |
| 27 | 3310401 | 3 | Nut #4 | |
| 28 | 3311405 | 7 | Nut, Lock 1/4 | |
| 29 | 3311605 | 9 | Nut, Lock 3/8 | |
| 30 | 3311705 | 5 | Nut, Lock 7/16 | |
| 31 | 3520054 | 1 | Plug, Hole | |
| 32 | 3910408 | 3 | Screw #4 x 1/2 | |
| 33 | 3931432 | 1 | Capscrew 1/4 x 2 | |
| 34 | 3931508 | 2 | Capscrew 5/16 x 1/2 | |
| 35 | 3931512 | 4 | Capscrew 5/16 x 3/4 | |
| 36 | 3960543 | 1 | Seal | |
| 37 | 3960544 | 1 | Seal | |
| 38 | 4031914 | 4 | Bolt M8 x 50 | |
| 39 | 4240099 | AR | Tie-Strap (Not Shown) | |
| 40 | 4640751 | 1 | Valve, Oil Drain | |
| 41 | 4710400 | 3 | Washer #4 | |
| 42 | 4711400 | 5 | Washer 1/4 | |
| 43 | 4711500 | 17 | Washer 5/16 | |
| 44 | 4711600 | 27 | Washer 3/8 | |
| 45 | 4711700 | 10 | Washer 7/16 | |
| 46 | 4751400 | 8 | Washer 1/4 | |
| 47 | 4751700 | 2 | Washer 7/16 | |
| 48 | 4791400 | 2 | Starwasher 1/4 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 49 | 4811900 | 5 | Washer M8 | |
| 50 | 4811902 | 2 | Washer M8 | |
| 51 | 4812000 | 4 | Washer M10 | |
| 52 | 4812100 | 7 | Washer M12 | |
| 53 | 4812200 | 9 | Washer M14 | |
| 54 | 4831900 | 2 | Washer, Lock M8 | |
| 55 | 4892000 | 4 | Washer 5/8 | |
| 56 | 8405006 | 2 | Clamp | |
| 57 | 8405007 | 2 | Clamp | |
| 58 | 8405009 | 5 | Clamp | |
| 59 | 8405201 | 4 | Clamp | |
| 60 | 8405204 | 6 | Clamp | |
| 61 | 8405212 | 1 | Clamp | |
| 62 | 8405213 | 1 | Clamp | |
| 63 | 8406102 | 2 | Clip | |
| 64 | 8406112 | 1 | Clip | |
| 65 | 8406201 | 1 | Clip | |
| 66 | 8406302 | 2 | Clamp | |
| 67 | 8410014 | 1 | Clamp | |
| 68 | 91563070 | 1 | Coupling, Rubber | |
| 69 | 1001117308 | 1 | Relay | |
| 70 | 1001133633 | 1 | Air Cleaner Assembly | |
| 70 | 70024190 | 1 | Element, Air Filter | |
| 71 | 1001133634 | 1 | Clamp | |
| 72 | 1001134488 | 1 | Fitting, 90 Barbed | |
| 73 | 1001135138 | 1 | Spacer, Fan | |
| 74 | 1001135560 | 1 | Support, Engine | |
| 75 | 1001135562 | 1 | Support, Engine - Rear | |
| 76 | 1001135680 | 1 | Support, Radiator | |
| 77 | 1001135779 | 1 | Cable, Alternator Positive (Not Shown) | |
| 78 | 1001135901 | 1 | Pipe, Air Intake | |
| 79 | 1001135903 | 1 | Pipe, Air Intake | |
| 80 | 1001135913 | 1 | Pipe, Turbo to Air Cleaner | |
| 81 | 1001135924 | 1 | Hose, Radiator (Upper) | |
| 82 | 1001135926 | 1 | Pipe, Radiator (Lower) | |
| 83 | 1001135943 | 1 | Coupling, Rubber | |
| 84 | 1001135946 | 1 | Elbow, Rubber | |
| 85 | 1001136626 | 2 | Bracket | |
| 86 | 1001136665 | 1 | Bracket | |
| 87 | 1001136834 | 1 | Cap, Tank | |
| 88 | 1001137276 | 1 | Fan | |
| 89 | 1001138228 | 1 | Module, Power | |
| 89 | 70023592 | 1 | Fuse 20Amp (Switched Output) | |
| 89 | 70023593 | 1 | Fuse 30Amp (Battery Output) | |
| 90 | 1001138248 | 8.6 ft/ 2.59m | Tubing | |
| 91 | 1001138253 | 5 | Clamp | |
| 92 | 1001138524 | 1 | Hose | |
| 93 | 1001138559 | 1 | Fitting, 90 | |
| 94 | 1001138827 | 1 | Sensor, Coolant Level | |
| 95 | 1001139240 | 1 | Bracket | |
| 96 | 1001140564 | 1 | Fitting, 90 Barbed | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 97 | 1001141304 | 1 | Wire, Glow Plug (Not Shown) | |
| 98 | 1001141717 | 1 | Fitting, Straight | |
| 99 | 1001141719 | 1 | Fitting, 90 Barbed | |
| 100 | 1001283008 | 1 | Support, Engine | |
| 101 | 1001142501 | 1 | Fitting, 90 Barbed | |
| 102 | 1001142637 | 1 | Hose, Hump | |
| 103 | 1001142685 | 1 | Bracket | |
| 104 | 1001143390 | 1 | Indicator, Air Filter Service | |
| 105 | 1001144089 | 1 | Grommet | |
| 106 | 1001145154 | 1 | Plate, Mounting | |
| 107 | 1001146219 | 4 | Washer Special | |
| 108 | 1001146588 | AR | Tie-Strap (Not Shown) | |
| 109 | 1001148843 | 1 | Harness, Fuel Filter (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 110 | 1001153024 | 1 | Pipe, Exhaust | |
| 111 | 1001153387 | 1 | Plate | |
| 112 | 1001154405 | 4.7 ft/ 1.44m | Hose | |
| 113 | 1001155575 | 4 | Mount, Motor | |
| 114 | 1001155823 | 1 | Coupling | |
| 115 | 1001165035 | 30.5 ft/ 9.3m | Hose | |
| 116 | 1001165101 | 1 | Fuel Pump/Bracket Assembly (Not Shown - See Separate breakdown in this Section) | |
| 117 | 1001165820 | 1 | Pipe, Elbow | |
| 118 | 1001166393 | 1 | Tank, Surge | |
| 119 | 1001170982 | 1 | Adapter | |
| 120 | 1001180620 | AR | Adhesive | |
| 121 | 1001181899 | 1 | Clamp | |
| 122 | 1001191272 | 1 | Tray | |
| 123 | 1001191620 | 3 | Clamp | |
| 124 | 1001208299 | 3 | Clamp | |
| 125 | 1001233492 | 1 | Hose | |
| 126 | 1001235952 | 1 | Bracket | |
| 127 | 1001256864 | 1 | Radiator | |
| 128 | 1001258800 | 1 | Spacer, Pulley | |
| 129 | 1001260432 | 1 | Pulley | |
| 130 | 1001261045 | 4 | Capscrew M10 x 45 Class 10.9 | |
| 131 | 1001261085 | 4 | Capscrew M10 x 85 Class 10.9 | |
| 132 | 1001276646 | 1 | Harness, Engine (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 133 | 1001277593 | 1 | Engine, Deutz TCD2.9L4 (Stage V) (See Separate Breakdown in ELECTRICAL Section) | |
| 134 | 0641510 | 2 | Bolt 5/16 x 1-1/4 | |
| 135 | 0641612 | 4 | Bolt 3/8 x 1-1/2 | |

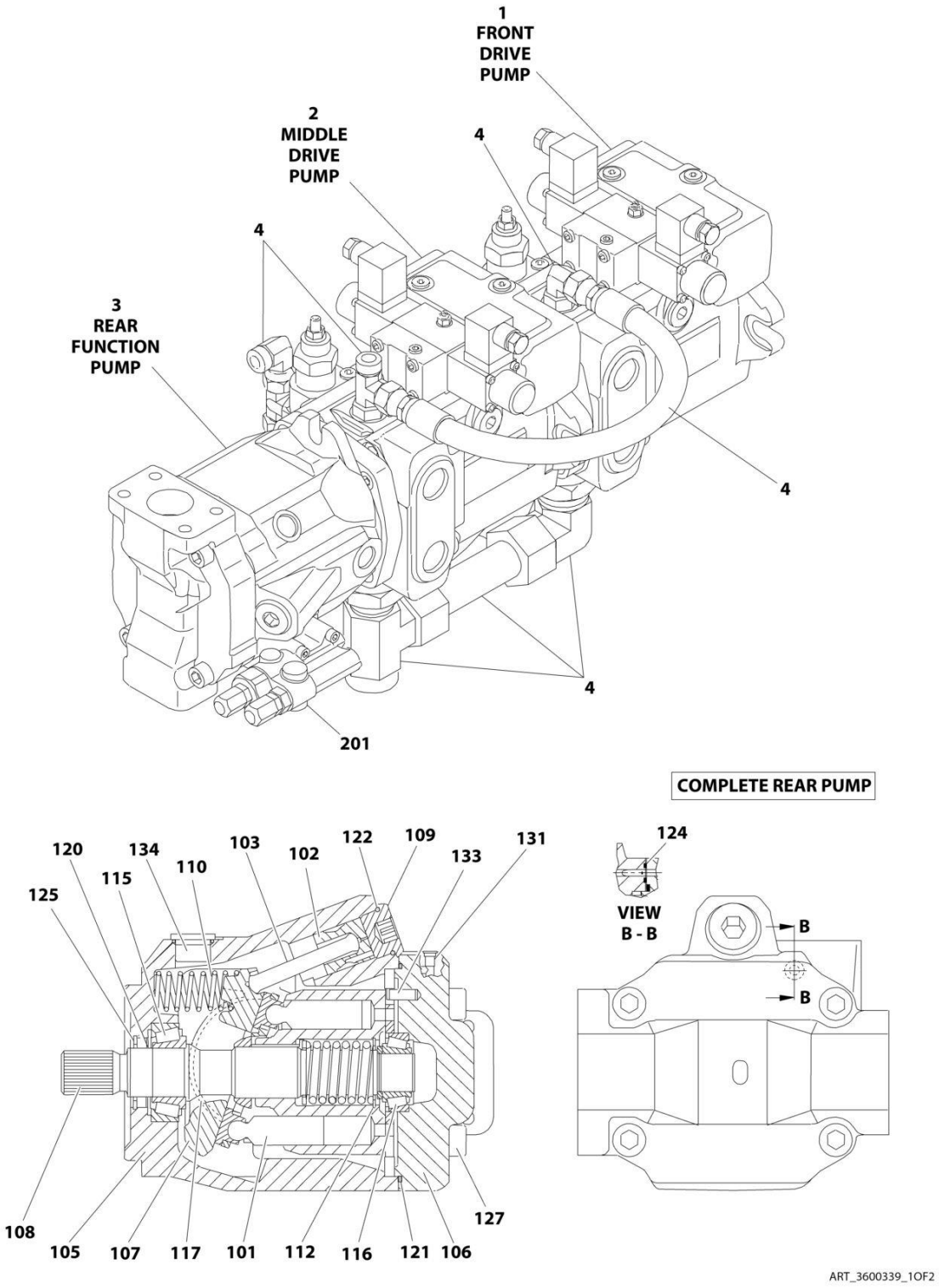
**FIGURE 3-32. DEUTZ TCD2.9L4 (STAGE V) ENGINE COMPONENTS**

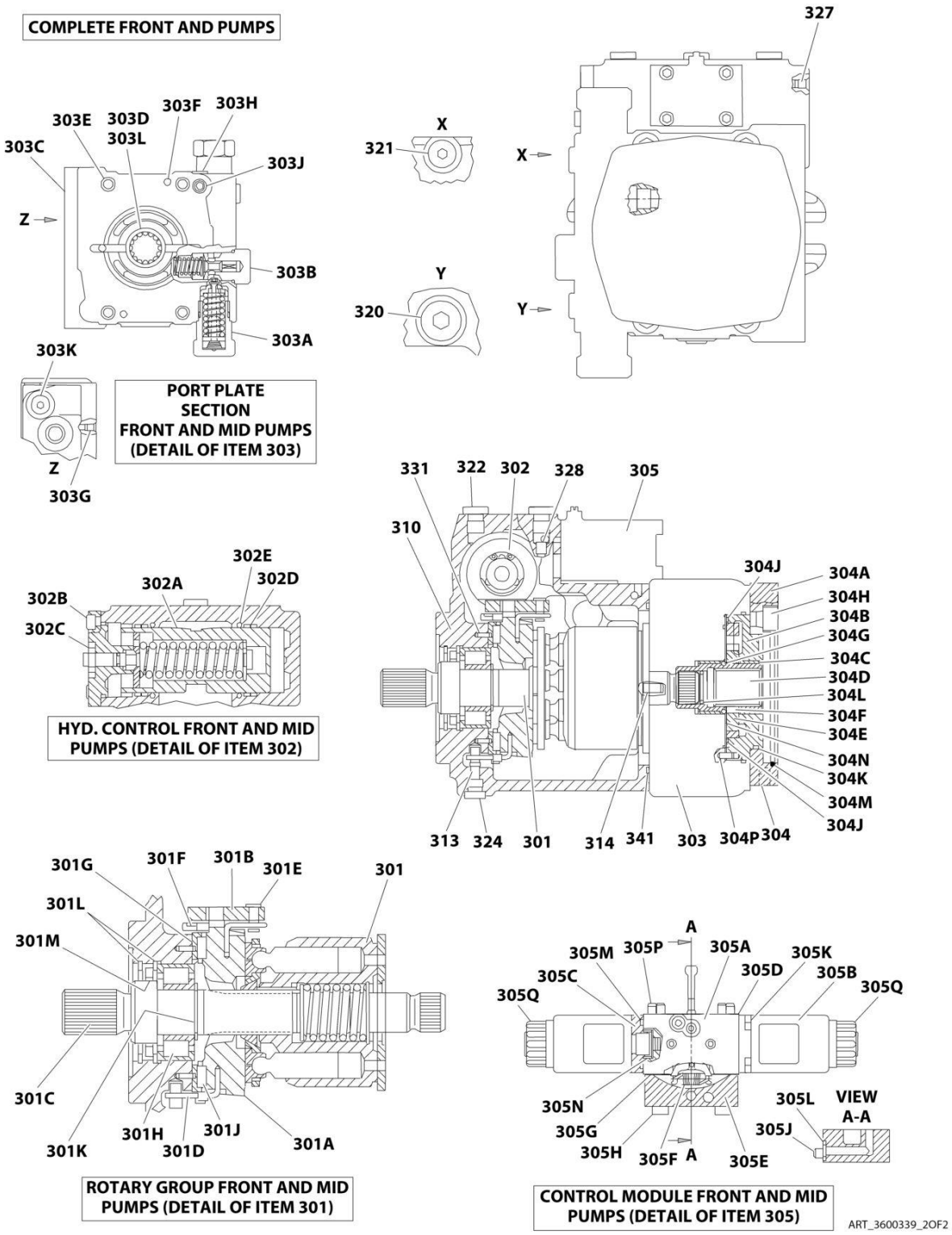


## FIGURE 3-32. DEUTZ TCD2.9L4 (STAGE V) ENGINE COMPONENTS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001277593 | Ref | DEUTZ TCD2.9L4 (STAGE V) ENGINE | A |
| | See Note | Ref | Note: No Service Parts Availabe At Time of Printing | |

## FIGURE 3-33. PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES)




COMPLETE FRONT AND PUMPS
303E
303D
303L
303F
303H
303C
303J
Z
303B
303A
303K
Z
303G
PORT PLATE SECTION FRONT AND MID PUMPS (DETAIL OF ITEM 303)
X
321
Y
320
327
X
Y
331
322
302
328
305
310
304J
304A
304H
304B
304G
304C
304D
304L
304F
304E
304N
304K
304M
304J
313
324
301
314
341
303
304P
304
302E
302D
302A
302B
302C
HYD. CONTROL FRONT AND MID PUMPS (DETAIL OF ITEM 302)
301G
301F
301B
301E
301
301L
301M
301C
301K
301H
301D
301J
301A
ROTARY GROUP FRONT AND MID PUMPS (DETAIL OF ITEM 301)
A
305M
305P
305A
305K
305D
305B
305C
305Q
305Q
305N
305G
305H
305F
A
305E
305L
VIEW A-A
305J
CONTROL MODULE FRONT AND MID PUMPS (DETAIL OF ITEM 305)
ART_3600339_2OF2

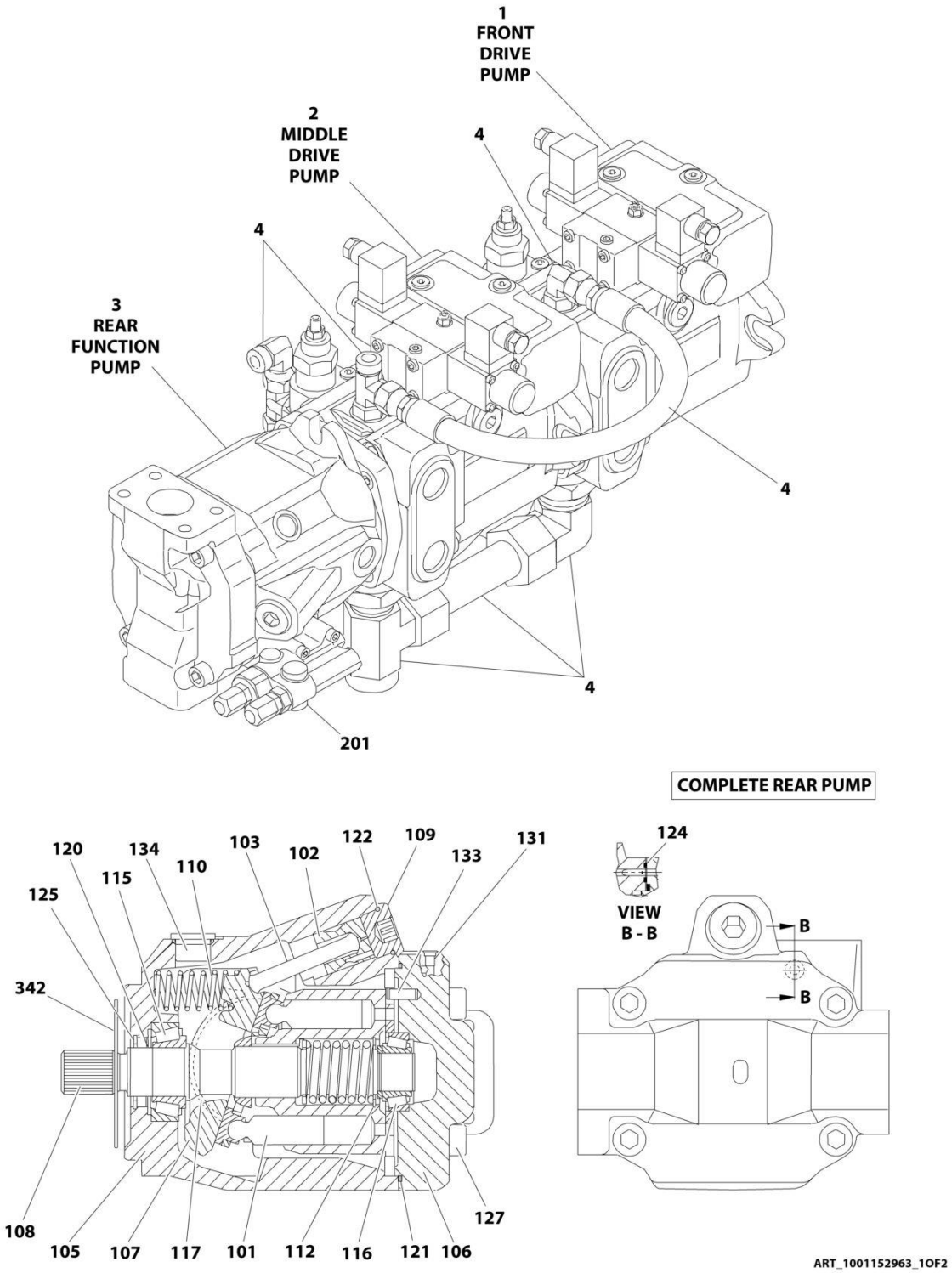
## FIGURE 3-33. PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES)

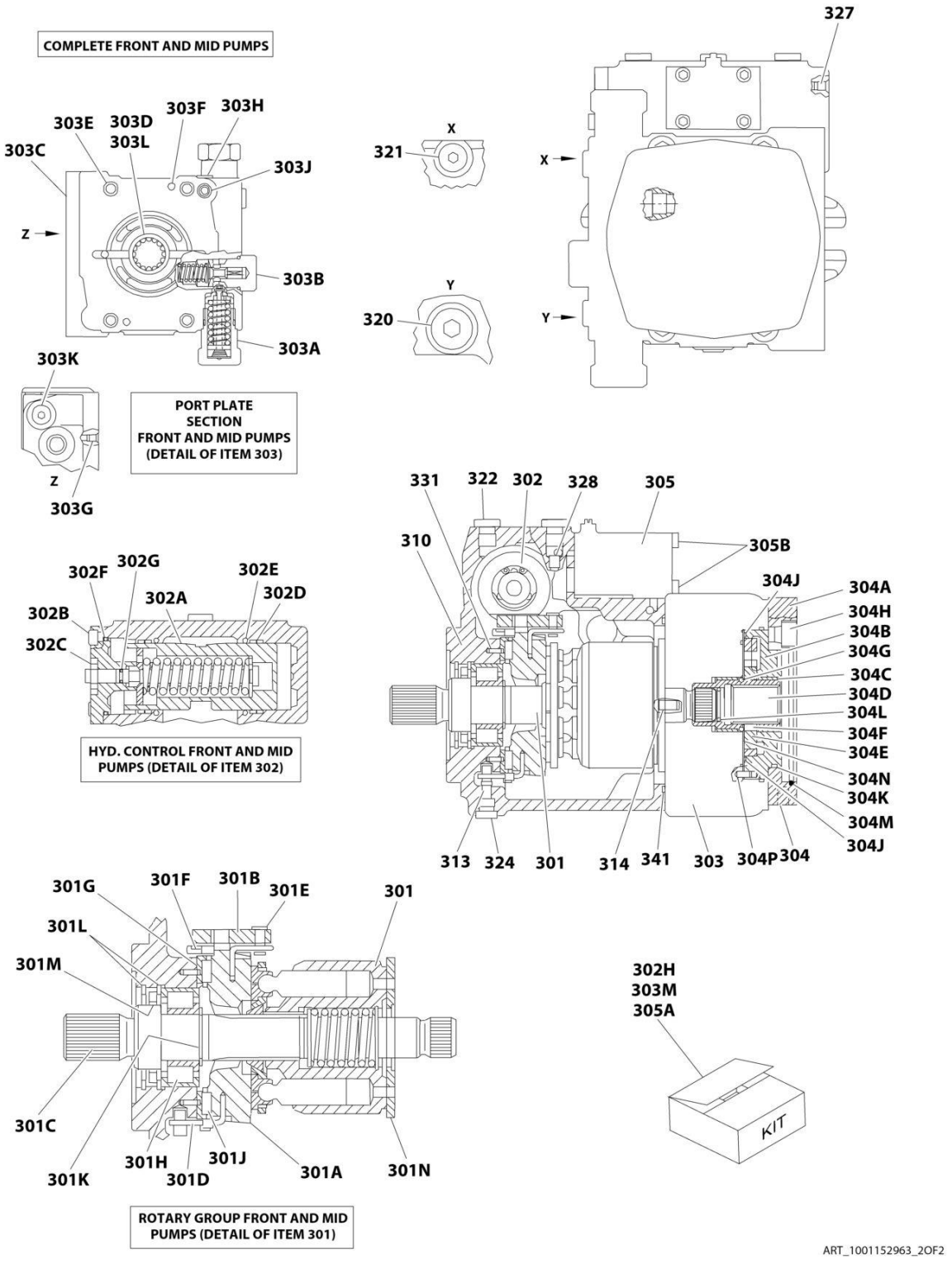
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 3600339 | Ref | PUMP ASSEMBLY (REXROTH) (DEUTZ TD2011 ENGINES) | D |
| 1 | 7024042 | 1 | Front Drive Pump Assembly (Includes Items 301-341) | |
| 2 | 7024043 | 1 | Middle Drive Pump Assembly (Includes Items 301-341) | |
| 3 | 7024044 | 1 | Rear Function Pump Assembly (Includes Items 101-201) | |
| 4 | 70001952 | 1 | Hydraulic Kit (Includes all Rexroth Supplied Hydraulic Fittings, Hoses and Tubes) | |
| | 7024044 | Ref | REAR FUNCTION PUMP ASSEMBLY | |
| 101 | 7024914 | 1 | Rotary Section | |
| 102 | See Note | 1 | Piston, Control (Note: Not Available - Purchase Complete Assembly) | |
| 103 | See Note | 1 | Rod, Piston (Note: Not Available - Purchase Complete Assembly) | |
| 105 | See Note | 1 | Housing, Pump (Note: Not Available - Purchase Complete Assembly) | |
| 106 | See Note | 1 | Plate, Port (Note: Not Available - Purchase Complete Assembly) | |
| 107 | 7024915 | 1 | Plate, Swash | |
| 108 | 7024916 | 1 | Driveshaft | |
| 109 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 110 | See Note | 1 | Spring (Note: Not Available for Purchase) | |
| 112 | 7012709 | 1 | Shim | |
| 115 | 7024038 | 1 | Bearing, Roller | |
| 116 | 7012706 | 1 | Bearing, Roller | |
| 117 | 7024917 | 2 | Shell, Cradle | |
| 120 | 7024918 | 1 | Seal, Shaft | |
| 121 | 7024919 | 1 | O-Ring | |
| 122 | 7024920 | 1 | O-Ring | |
| 124 | 7024921 | 1 | Seal | |
| 125 | 7012715 | 1 | V-Ring | |
| 127 | See Note | 4 | Capscrew M12 x 45 Grade 10.9 (Note: Not Available for Purchase) | |
| 131 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 133 | See Note | 1 | Pin, Dowel (Note: Not Available for Purchase) | |
| 134 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 201 | 7024913 | Ref | Pilot Valve Assembly | |
| | | Ref | Note: Two mounting designs of p/n 7024913 pilot valve exist. Early design uses qty. 3 O-rings. Late design uses qty 1 sealing plate. Seal designs cannot be interchanged. Verify seal design before ordering. | |
| 201 | 7024922 | 3 | O-Ring (Seals between Pilot Valve and Rear Pump) | |
| 201 | 70021867 | 1 | Plate, Sealing (Seals between Pilot Valve and Rear Pump) | |
| | | Ref | FRONT DRIVE PUMP ASSEMBLIES | |
| | 7024042 | Ref | Front Drive Pump Assembly | |
| | 7024043 | Ref | Middle Drive Pump Assembly | |
| 301 | 7024064 | 1 | Rotary Group | |
| 301A | See Note | NSS | Cradle (Note: Use Item 301) | |
| 301B | See Note | NSS | Ring, Slide (Note: Use Item 301) | |
| 301C | See Note | NSS | Driveshaft (Note: Use Item 301) | |
| 301D | See Note | NSS | Wire (Note: Use Item 301) | |
| 301E | See Note | NSS | Pin, Joint (Note: Use Item 301) | |
| 301F | See Note | NSS | Wire (Note: Use Item 301) | |
| 301G | See Note | NSS | Liner, Bearing (Note: Use Item 301) | |
| 301H | See Note | NSS | Bearing, Roller (Note: Use Item 301) | |
| 301J | See Note | NSS | Cradle Bearing Assembly (Note: Use Item 301) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 301K | See Note | NSS | Ring, Retaining (Note: Use Item 301) | |
| 301L | 70001968 | 2 | Ring, Retaining | |
| 301M | 7024070 | 1 | Seal, Shaft Ring | |
| 302 | 7024065 | 1 | Control Group - Hydraulic | |
| 302A | See Note | NSS | Piston, Positioning - Complete (Note: Use Item 302) | |
| 302A | 7024071 | 1 | O-Ring, Outer Seal | |
| 302A | 7024072 | 1 | O-Ring, Stem | |
| 302B | See Note | 4 | Capscrew M6 x 12 (Note: Not Available - Purchase Locally) | |
| 302C | See Note | NSS | Nut (Note: Use Item 302) | |
| 302D | See Note | NSS | Ring, Guide (Note: Use Item 302) | |
| 302E | See Note | NSS | Seal, O-Ring (Note: Use Item 302) | |
| 303 | 7024911 | 1 | Port Plate Group | |
| 303A | 7024073 | 2 | Cartridge, Relief Valve (High Pressure) | |
| 303A | 7024075 | 1 | O-Ring | |
| 303A | 7024076 | 1 | Ring, Back-up | |
| 303B | | Ref | Cartridge Options: | |
| 303B | 7024097 | 1 | Front Pump Cartridge (Lock Valve with Orifice) Note: Sold as an Assembly except Outer Seal. | |
| 303B | 7024075 | 1 | O-Ring | |
| 303B | 7023881 | 1 | Middle Pump Cartridge (Pressure Relief Valve) Note: Sold as an Assembly except Outer Seal. | |
| 303B | 7024077 | 1 | O-Ring | |
| 303C | See Note | NSS | Plate, Port (Note: Use Item 303) | |
| 303D | See Note | NSS | Bushing, Bearing (Note: Use Item 303) | |
| 303E | See Note | 4 | Capscrew M12 x 70 Grade10.9 (Note: Not Available - Purchase Locally) | |
| 303F | See Note | NSS | Pin, Dowel (Note: Use Item 303) | |
| 303G | See Note | NSS | Pin, Break-Off (Note: Use Item 303) | |
| 303H | See Note | 1 | Screw, Locking M10 x 1 (Note: Not Available - Purchase Locally) | |
| 303J | 7024908 | 2 | O-Ring | |
| 303K | See Note | 2 | Screw, Locking 7/16 (Note: Not Available - Purchase Locally) | |
| 303L | See Note | NSS | Bearing, Roller (Note: Use Item 303) | |
| 304 | 7024906 | 1 | Internal Gear Pump | |
| 304A | See Note | NSS | Flange, Intermediate (Note: Use Item 304) | |
| 304B | See Note | NSS | IZP-Housing (Note: Use Item 304) | |
| 304C | See Note | NSS | Bushing, Bearing (Note: Use Item 304) | |
| 304D | See Note | NSS | Coupling, Driveshaft Through (Note: Use Item 304) | |
| 304E | See Note | NSS | Gear Set (Note: Use Item 304) | |
| 304F | See Note | NSS | Key, Driveshaft (Note: Use Item 304) | |
| 304G | See Note | NSS | Ring, Retaining (Note: Use Item 304) | |
| 304H | See Note | 4 | Capscrew M10 x 20 (Note: Not Available - Purchase Locally) | |
| 304J | 7024080 | 2 | Seal | |
| 304K | 7024081 | 1 | O-Ring | |
| 304L | See Note | NSS | Ring, Retaining (Note: Use Item 304) | |
| 304M | See Note | NSS | O-Ring (Note: Use Item 304) | |
| 304N | 7024005 | 1 | Plate, Wear | |
| 304P | See Note | NSS | Pin, Cylinder (Note: Use Item 304) | |
| 305 | 7024068 | 1 | Control Module | |
| 305A | 7024084 | 1 | Valve Body, Lever and Internal Components | |
| 305B | 7024083 | 2 | Coil, Solenoid | |
| 305C | See Note | NSS | Spacer, Coil (Note: Use Item 305) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 305D | 7024085 | 1 | Gasket | |
| 305E | See Note | NSS | Cover (Note: Use Item 305) | |
| 305F | See Note | NSS | Spring, Draw (Note: Use Item 305) | |
| 305G | See Note | NSS | Gasket (Note: Use Item 305) | |
| 305H | See Note | 4 | Capscrew M6 x 65 (Note: Not Available - Purchase Locally) | |
| 305J | See Note | 1 | Capscrew M6 x 45 (Note: Not Available - Purchase Locally) | |
| 305K | See Note | 8 | Capscrew M5 x 10 (Note: Not Available - Purchase Locally) | |
| 305L | 7024087 | 1 | O-Ring | |
| 305M | 7024088 | 2 | O-Ring | |
| 305N | 7024089 | 2 | Cup, Spring | |
| 305P | See Note | NSS | Pin, Cylinder (Note: Use Item 305) | |
| 305Q | 70002569 | 2 | Nut, Coil | |
| 310 | See Note | 1 | Housing (Note: Not Available for Purchase) | |
| 313 | See Note | 2 | Pin, Dowel (Note: Not Available for Purchase) | |
| 314 | See Note | 1 | Pin, Cylinder (Note: Not Available for Purchase) | |
| 320 | See Note | 1 | Screw 7/8 (Front Drive Pump Only) (Note: Not Available - Purchase Locally) | |
| 321 | See Note | 1 | Screw 9/16 (Note: Not Available - Purchase Locally) | |
| 322 | See Note | 1 | Screw 7/16 (Note: Not Available - Purchase Locally) | |
| 324 | See Note | 1 | Screw M10 x 1 (Note: Not Available - Purchase Locally) | |
| 327 | See Note | 1 | Pin, Double Break-Off (Note: Not Available for Purchase) | |
| 328 | 7018936 | 2 | Orifice | |
| 331 | See Note | 2 | Pin, Clamping (Note: Not Available for Purchase) | |
| 341 | 7024069 | 1 | O-Ring | |

## FIGURE 3-34. PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)




COMPLETE FRONT AND MID PUMPS
303E
303D
303L
303F
303H
303C
303J
Z
303B
303A
303K
Z
303G
PORT PLATE SECTION FRONT AND MID PUMPS (DETAIL OF ITEM 303)
X
321
Y
320
327
X
Y
331
322
302
328
305
310
305B
304J
304A
304H
304B
304G
304C
304D
304L
304F
304E
304N
304K
304M
304J
313
324
301
314
341
303
304P
304
302F
302G
302E
302A
302D
302B
302C
HYD. CONTROL FRONT AND MID PUMPS (DETAIL OF ITEM 302)
301G
301F
301B
301E
301
301L
301M
301C
301K
301H
301D
301J
301A
301N
ROTARY GROUP FRONT AND MID PUMPS (DETAIL OF ITEM 301)
302H
303M
305A
KIT
ART_1001152963_2OF2

## FIGURE 3-34. PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

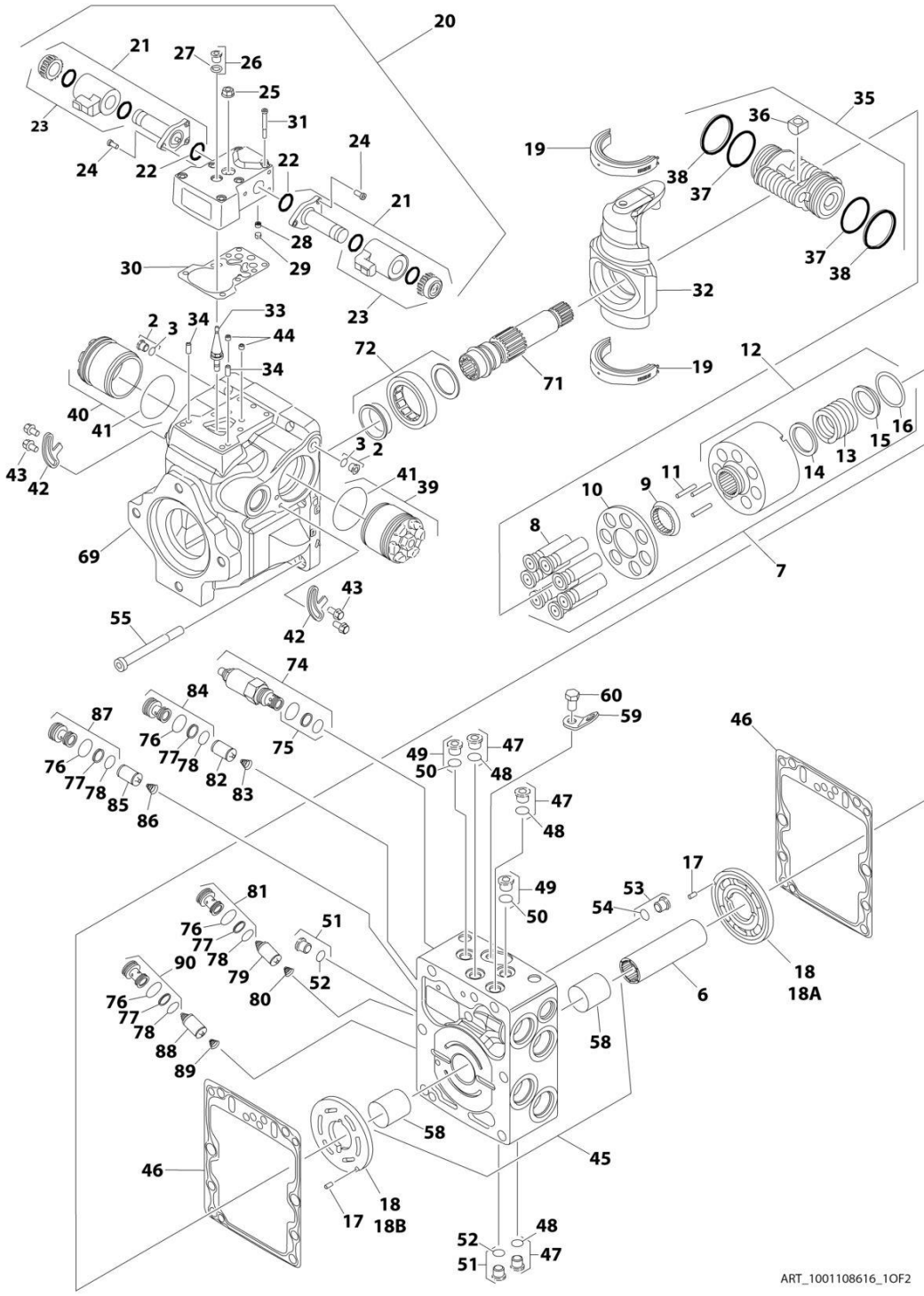
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152963 | Ref | PUMP ASSEMBLY (REXROTH) (DEUTZ TCD2.9L4 ENGINES) | C |
| 1 | 70005480 | 1 | Front Drive Pump Assembly Options (Includes Items 301-341) | |
| 2 | 70005481 | 1 | Middle Drive Pump Assembly (Includes Items 301-341) | |
| 3 | 7024044 | 1 | Rear Function Pump Assembly (Includes Items 101-201) | |
| 4 | See Note | NSS | Hydraulic Kit (Includes all Rexroth Supplied Hydraulic Fittings, Hoses and Tubes) (Note: Not Available for Purchase) | |
| | 7024044 | Ref | REAR FUNCTION PUMP ASSEMBLY | |
| 101 | 70003173 | 1 | Rotary Section | |
| 102 | See Note | 1 | Piston Control (Note: Not Available - Purchase Complete Assembly) | |
| 103 | See Note | 1 | Rod, Piston (Note: Not Available - Purchase Complete Assembly) | |
| 105 | See Note | 1 | Housing, Pump (Note: Not Available - Purchase Complete Assembly) | |
| 106 | See Note | 1 | Plate, Port (Note: Not Available - Purchase Complete Assembly) | |
| 107 | 70003174 | 1 | Plate, Swash | |
| 108 | 70003175 | 1 | Driveshaft | |
| 109 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 110 | See Note | 1 | Spring (Note: Not Available for Purchase) | |
| 112 | | Ref | Shim | |
| 115 | 7024038 | 1 | Bearing, Roller | |
| 116 | 7012706 | 1 | Bearing, Roller | |
| 117 | 7024917 | 2 | Shell, Cradle | |
| 120 | 7024918 | 1 | Seal, Shaft | |
| 121 | 7024919 | 1 | O-Ring | |
| 122 | 7024920 | 1 | O-Ring | |
| 124 | 7024921 | 1 | Seal | |
| 125 | 70003177 | 1 | V-Ring | |
| 127 | See Note | 4 | Capscrew M12 x 45 Grade 10.9 (Note: Not Available for Purchase) | |
| 131 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 133 | See Note | 1 | Pin, Dowel (Note: Not Available for Purchase) | |
| 134 | See Note | 1 | Plug (Note: Not Available for Purchase) | |
| 201 | 7024913 | Ref | Pilot Valve Assembly | |
| | | Ref | Note: Two mounting designs of p/n 7024913 pilot valve exist. Early design uses qty. 3 o-rings. Late design uses qty. 1 sealing plate. Seal designs cannot be interchanged. Verify seal design before ordering. | |
| 201 | 7024922 | 3 | O-Ring (Seals between Pilot Valve and Rear Pump) | |
| 201 | 70021867 | 1 | Plate, Sealing (Seals between Pilot Valve and Rear Pump) | |
| | | Ref | FRONT DRIVE PUMP ASSEMBLIES | |
| | 70005480 | Ref | Front Drive Pump Assembly | |
| | 70005481 | Ref | Middle Drive Pump Assembly | |
| | | Ref | Note: Service Parts not available at time of printing, call-out number on illustration for ref only. | |
| 301 | 7024064 | 1 | Rotary Group | |
| 301A | See Note | NSS | Cradle (Note: Use Item 301) | |
| 301B | See Note | NSS | Ring, Slide (Note: Use Item 301) | |
| 301C | 7023887 | 1 | Driveshaft | |
| 301D | See Note | NSS | Wire (Note: Use Item 301) | |
| 301E | See Note | NSS | Pin, Joint (Note: Use Item 301) | |
| 301F | See Note | NSS | Wire (Note: Use Item 301) | |

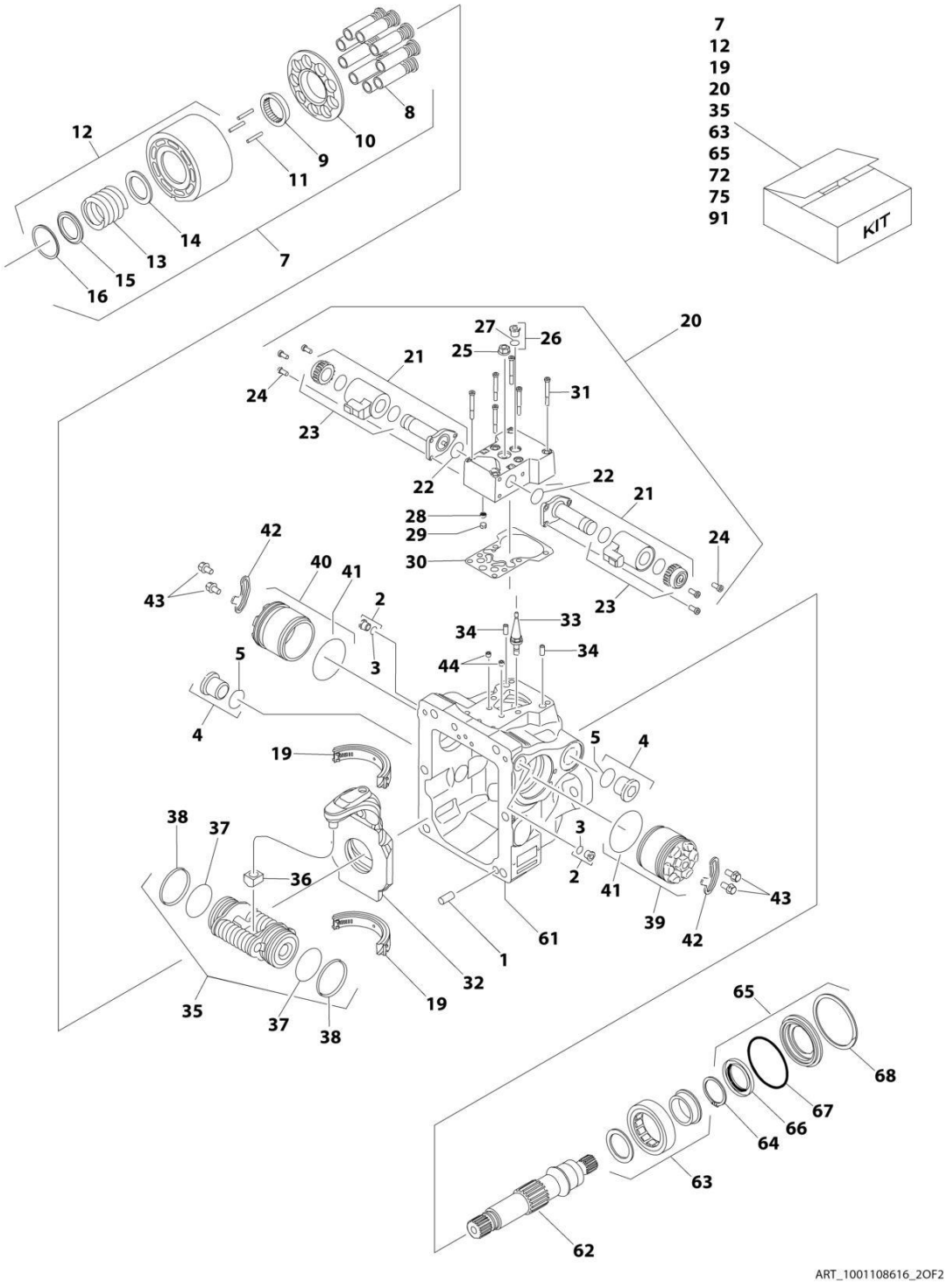
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 301G | See Note | NSS | Liner, Bearing (Note: Use Item 301) | |
| 301H | See Note | NSS | Bearing, Roller (Note: Use Item 301) | |
| 301J | See Note | NSS | Cradle Bearing Assembly (Note: Use Item 301) | |
| 301K | 70001968 | 1 | Ring, Retaining | |
| 301L | See Note | NSS | Ring, Retaining (Note: Not Available for Purchase) | |
| 301M | 70003167 | 1 | Seal, Shaft Ring | |
| 301N | 70000950 | 1 | Plate | |
| 302 | 7024065 | 1 | Control Group - Hydraulic | |
| 302A | See Note | NSS | Piston, Positioning - Complete (Note: Use Item 302) | |
| 302A | See Note | NSS | O-Ring, Outer Seal (Note: Not Available for Purchase) | |
| 302A | See Note | NSS | O-Ring, Stem (Note: Not Available for Purchase) | |
| 302B | See Note | 4 | Capscrew M6 x 12 (Note: Not Available - Purchase Locally) | |
| 302C | See Note | NSS | Nut (Note: Use Item 302) | |
| 302D | See Note | NSS | Ring, Guide (Note: Use Item 302) | |
| 302E | See Note | NSS | Seal, O-Ring (Note: Use Item 302) | |
| 302F | 7024071 | 1 | O-Ring | |
| 302G | 7024072 | 1 | O-Ring | |
| 302H | 7024006 | 1 | Seal Kit - Control Section | |
| 303 | 7024905 | 1 | Port Plate Group (Front) | |
| 303 | 7024911 | 1 | Port Plate Group (Mid) | |
| 303A | 7024073 | 1 | Cartridge, Relief Valve (High Pressure) | |
| 303A | 7024075 | 1 | O-Ring | |
| 303A | 7024076 | 1 | Ring, Back-up | |
| 303B | | Ref | Cartridge Options: | |
| 303B | 7024907 | 1 | Front Pump Cartridge (Lock Valve With Orifice) | |
| 303B | 7024909 | 1 | Screw, Locking | |
| 303B | 7024075 | 1 | O-Ring | |
| 303B | 70020329 | 1 | Middle Pump Cartridge (Pressure Relief Valve) | |
| 303B | 7024909 | 1 | Screw, Locking | |
| 303B | 7024077 | 1 | O-Ring | |
| 303C | See Note | NSS | Plate, Port (Note: Use Item 303) | |
| 303D | See Note | NSS | Bushing, Bearing (Note: Use Item 303) | |
| 303E | See Note | 4 | Capscrew M12 x 70 Grade 10.9 (Note: Not Available - Purchase Locally) | |
| 303F | See Note | NSS | Pin, Dowel (Note: Use Item 303) | |
| 303G | 70003340 | 1 | Pin, Break-Off | |
| 303H | See Note | 1 | Screw, Locking M10 x 1 (Note: Not Available - Purchase Locally) | |
| 303J | 7024908 | 1 | O-Ring | |
| 303K | See Note | 2 | Screw, Locking 7/16 (Note: Not Available - Purchase Locally) | |
| 303L | See Note | NSS | Bearing, Roller (Note: Use Item 303) | |
| 303M | 7024006 | 1 | Seal Kit - Port Plate Group | |
| 304 | 7024906 | 1 | Internal Gear Pump | |
| 304A | See Note | NSS | Flange, Intermediate (Note: Use Item 304) | |
| 304B | See Note | NSS | IZP-Housing (Note: Use Item 304) | |
| 304C | See Note | NSS | Bushing, Bearing (Note: Use Item 304) | |
| 304D | See Note | NSS | Coupling, Driveshaft Through (Note: Use Item 304) | |
| 304E | 7024078 | 1 | Gear Set | |
| 304F | 7024079 | 1 | Key, Driveshaft | |
| 304G | 80934174 | 1 | Ring, Retaining | |
| 304H | See Note | 4 | Capscrew M10 x 20 (Note: Not Available - Purchase Locally) | |
| 304J | See Note | NSS | Seal (Note: Not Available for Purchase) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 304K | 7024081 | 1 | O-Ring | |
| 304L | See Note | NSS | Ring, Retaining (Note: Use Item 304) | |
| 304M | See Note | NSS | O-Ring (Note: Use Item 304) | |
| 304N | See Note | NSS | Plate, Wear (Note: Not Available for Purchase) | |
| 304P | See Note | NSS | Pin, Cylinder (Note: Use Item 304) | |
| 305 | 70003165 | 1 | Control Module | |
| 305 | 70003170 | 1 | Coil, Solenoid | |
| 305A | 70020336 | 1 | Seal Kit - Control Module | |
| 305B | 80934644 | 4 | Capscrew | |
| 310 | See Note | 1 | Housing (Note: Not Available for Purchase) | |
| 313 | See Note | 2 | Pin, Dowel (Note: Not Available for Purchase) | |
| 314 | See Note | 1 | Pin, Cylinder (Note: Not Available for Purchase) | |
| 320 | 7026980 | 1 | Screw 7/8 (Front Drive Pump Only) | |
| 321 | 80334079 | 1 | Screw 9/16 | |
| 322 | See Note | 1 | Screw 7/16 (Note: Not Available - Purchase Locally) | |
| 324 | See Note | 1 | Screw M10 x 1 (Note: Not Available - Purchase Locally) | |
| 327 | 70003340 | 1 | Pin, Double Break-Off | |
| 328 | 7018936 | 1 | Orifice | |
| 331 | 7024096 | 2 | Pin, Clamping | |
| 341 | 7024069 | 1 | O-Ring | |
| 342 | 70007178 | 1 | O-Ring | |

## FIGURE 3-35. PUMP ASSEMBLY (SAUER TANDEM)



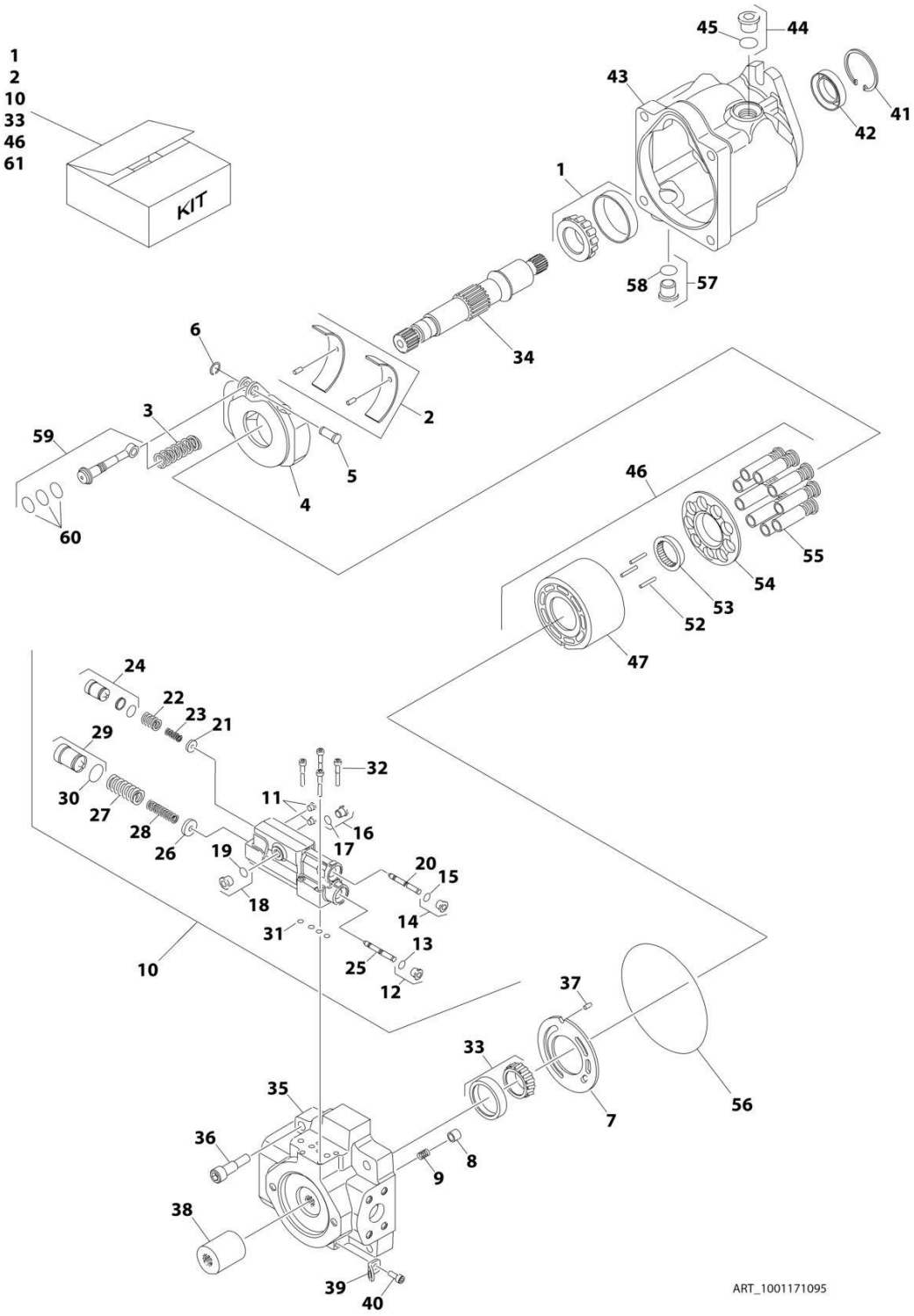

7
12
19
20
35
63
65
72
75
91
KIT
ART_1001108616_2OF2

## FIGURE 3-35. PUMP ASSEMBLY (SAUER TANDEM)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108616 | Ref | PUMP ASSEMBLY (SAUER TANDEM) | D |
| 1 | 70002132 | 4 | Pin | |
| 2 | 70002133 | 4 | Plug Assembly (Includes Item 3) | |
| 3 | 7007207 | 4 | O-Ring (Part of Item 2) | |
| 4 | 7007419 | 2 | Plug Assembly (Includes Item 5) | |
| 5 | 7007418 | 2 | O-Ring (Part of Item 4) | |
| 6 | 70002600 | 1 | Coupling | |
| 7 | 70002135 | 2 | Cylinder Block Kit (Each Kit Includes Qty 1 of Items 8-10 & 12-16 & Qty 3 of Item 11) | |
| 8 | 70002136 | 2 | Piston Assembly Kit (Includes Qty 9 Piston Assemblies) (Part of Item 7) | |
| 9 | 70002137 | 2 | Guide, Slipper Retainer (Part of Item 7) | |
| 10 | 70002138 | 2 | Retainer, Slipper (Part of Item 7) | |
| 11 | 7021275 | 6 | Pin, Slipper Retainer Holddown (Part of Item 7) | |
| 12 | 70002135 | 2 | Cylinder Block Assembly (Includes Qty 1 of Item 13-16) (Part of Item 7) | |
| 13 | 70002139 | 2 | Spring (Part of Item 12) | |
| 14 | 70002140 | 2 | Washer (Part of Item 12) | |
| 15 | 70002141 | 2 | Washer (Part of Item 12) | |
| 16 | 70002142 | 2 | Ring, Retaining (Part of Item 12) | |
| 17 | 7007446 | 2 | Pin | |
| 18 | | Ref | Plate, Valve Options: | |
| 18A | 70002601 | 1 | Plate, CW Valve | |
| 18B | 70002602 | 1 | Plate, CCW Valve | |
| 19 | 70002145 | 2 | Swash Plate Bearing Kit (Includes Qty 2 Bearings) | |
| 20 | 70002618 | 2 | EDC Kit (Includes Items 21-31) | |
| 21 | 70002619 | 4 | Solenoid Valve Assembly (Includes Items 22 & 23) (Part of Item 20) | |
| 22 | 70002148 | 4 | O-Ring (2 Per EDC Assembly) (Part of Item 21) | |
| 23 | 70002620 | 4 | Coil, Nut and Seals Kit (2 Per EDC Assembly) (Part of Item 21) | |
| 24 | 70002150 | 12 | Screw (Part of Item 20) | |
| 25 | 7022301 | 2 | Nut, Seal (Part of Item 20) | |
| 26 | 70002151 | 2 | Plug Assembly (Part of Item 20) (Includes Item 27) | |
| 27 | 7007207 | 2 | O-Ring (Part of Item 26) | |
| 28 | 70002134 | 2 | Screen (Part of Item 20) | |
| 29 | 70002153 | 2 | Ring, Locking (Part of Item 20) | |
| 30 | 70002154 | 2 | Gasket, Control (Part of Item 20) | |
| 31 | 70002156 | 12 | Capscrew (Part of Item 20) | |
| 32 | 70002152 | 2 | Swash Plate | |
| 33 | 70002155 | 2 | Link, Swash Plate | |
| 34 | 70002157 | 4 | Pin, Dowel | |
| 35 | 70002158 | 2 | Servo Piston Assembly (Includes Items 36-38) | |
| 36 | 70002159 | 2 | Block, Slider (Part of Item 35) | |
| 37 | 70002160 | 2 | O-Ring (Part of Item 35) | |
| 38 | 70002161 | 2 | Ring, Piston (Part of Item 35) | |
| 39 | 70002162 | 2 | Cylinder, Servo | |
| 40 | 70002162 | 2 | Cylinder, Servo | |
| 41 | 70002163 | 4 | O-Ring | |
| 42 | 70002164 | 4 | Plate, Locking | |
| 43 | 70002165 | 8 | Screw | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 70002604 | 4 | Orifice | |
| 45 | 70002605 | 1 | Center Section Assembly (Includes Item 58) | |
| 46 | 70002168 | 2 | Gasket, End Cap | |
| 47 | 70001958 | 2 | Plug Assembly (Includes Item 48) | |
| 48 | 7021256 | 2 | O-Ring (Part of Item 47) | |
| 49 | 70001958 | 2 | Plug Assembly (Includes Item 50) | |
| 50 | 7021256 | 2 | O-Ring (Part of Item 49) | |
| 51 | 70001958 | 2 | Plug Assembly (Includes Item 52) | |
| 52 | 7021256 | 2 | O-Ring (Part of Item 51) | |
| 53 | 70001958 | 2 | Plug Assembly (Includes Item 54) | |
| 54 | 7021256 | 2 | O-Ring (Part of Item 53) | |
| 55 | 70002606 | 4 | Capscrew | |
| 58 | 70002607 | 2 | Bearing, Journal (Part of Item 45) | |
| 59 | 70002608 | 1 | Bracket, Lifting | |
| 60 | 70002609 | 1 | Screw | |
| 61 | See Note | 1 | Housing (Note: Not Available for Purchase) | |
| 62 | 70002175 | 1 | Shaft | |
| 63 | 70002610 | 1 | Ball Bearing Kit | |
| | 7007439 | 1 | Ring, Retaining | |
| 65 | 70002174 | 1 | Shaft Seal Kit (Includes Items 66-68) (Note: This is a universal kit and will contain extra pieces that are not used on this pump assembly) | |
| 66 | 70002177 | 1 | Seal, Lip | |
| 67 | 70002178 | 1 | O-Ring | |
| 68 | 70002179 | 1 | Ring, Retaining | |
| 69 | See Note | 1 | Housing (Note: Not Available for Purchase) | |
| 71 | 70002612 | 1 | Shaft | |
| 72 | 70002610 | 1 | Ball Bearing Kit | |
| 74 | 70002621 | 1 | High Pressure Relief Valve Cartridge Assembly (Includes Item 75) | |
| 75 | 70002622 | 1 | Seal Kit - 70002621 Valve (Part of Item 74) | |
| 76 | 7007415 | 1 | O-Ring (Part of Items 81, 84, 87 & 90) | |
| 77 | 7021293 | 1 | Ring, Back-up (Part of Items 81, 84, 87 & 90) | |
| 78 | 7022300 | 1 | O-Ring (Part of Items 81, 84, 87 & 90) | |
| 79 | 70002616 | 1 | SCR Valve Assembly | |
| 80 | 7024800 | 1 | Spring | |
| 81 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 82 | 70002616 | 1 | SCR Valve Assembly | |
| 83 | 7024800 | 1 | Spring | |
| 84 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Item 76-78) | |
| 85 | 70002616 | 1 | SCR Valve Assembly | |
| 86 | 7024800 | 1 | Spring | |
| 87 | 70002617 | 1 | Plug Assembly (Includes Qty 1 of Item 76-78) | |
| 88 | 70002616 | 1 | SCR Valve Assembly | |
| 89 | 7024800 | 1 | Spring | |
| 90 | 7021265 | 1 | Plug Assembly (Includes Qty 1 of Items 76-78) | |
| 91 | 70002623 | 1 | Overhaul Seal Kit (Includes Items 3, 5, 22, 27, 30, 37, 38, 41, 46, 48, 50, 52, 54, 66, 67, 75, 76, 77 & 78) | |

## FIGURE 3-36. PUMP ASSEMBLY (SAUER PISTON)

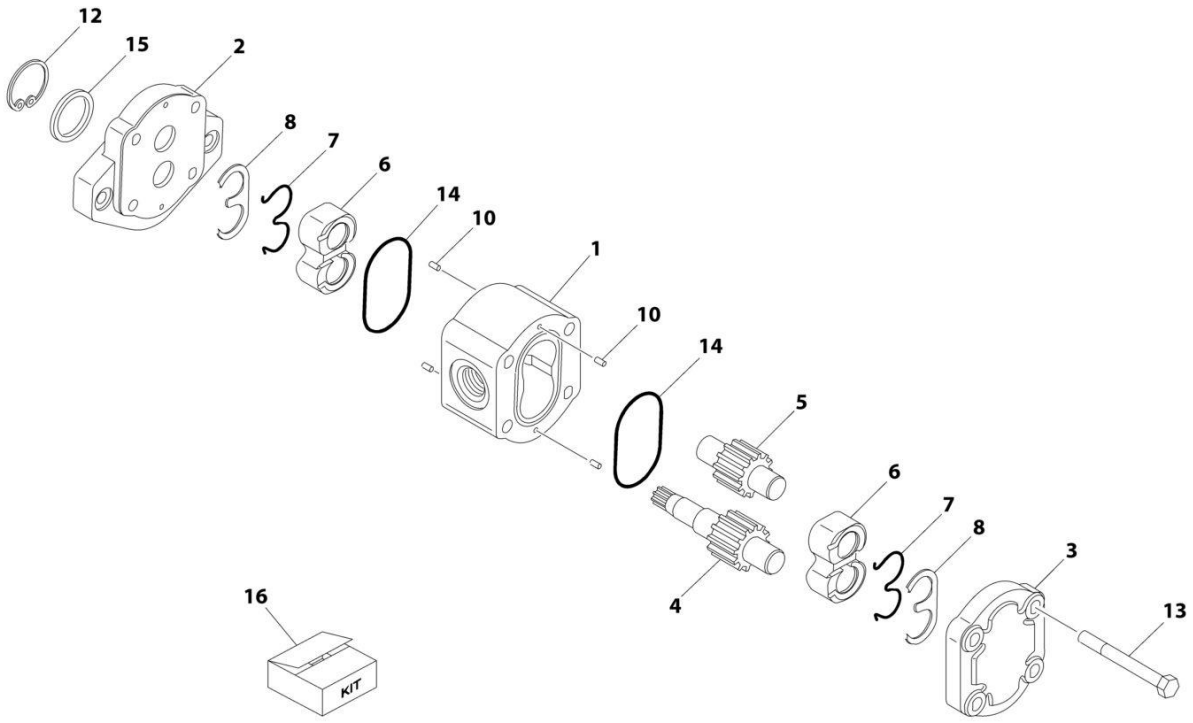


## FIGURE 3-36. PUMP ASSEMBLY (SAUER PISTON)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001171095 | Ref | PUMP ASSEMBLY (SAUER PISTON) | B |
| 1 | 70002578 | 1 | Bearing Kit - Front (Includes Cup and Cone) | |
| 2 | 70004426 | 1 | Swash Plate Bearing Kit (Includes Qty 2 Bearings and Retainer Pins) | |
| 3 | 70002580 | 1 | Spring, Bias | |
| 4 | 70004416 | 1 | Swash Plate Assembly | |
| 5 | 70002582 | 1 | Shaft | |
| 6 | 70002583 | 1 | Ring, Retaining | |
| 7 | 70004417 | 1 | Plate, Valve | |
| 8 | 70001956 | 1 | Poppet, Check Valve | |
| 9 | 70001955 | 1 | Spring | |
| 10 | 70022286 | 1 | Control Kit (Includes Items 11-32) | |
| 11 | See Note | NSS | Setscrew (Note: Use Item 10) | |
| 12 | 70002133 | 1 | Plug Assembly (Includes Item 13) | |
| 13 | 7007207 | 1 | O-Ring (Part of Item 12) | |
| 14 | 70002133 | 1 | Plug Assembly (Part of Item 15) | |
| 15 | 7007207 | 1 | O-Ring (Part of Item 14) | |
| 16 | 70002133 | 1 | Plug Assembly (Includes Item 17) | |
| 17 | 7007207 | 1 | O-Ring (Part of Item 16) | |
| 18 | 70002133 | 1 | Plug Assembly (Includes Item 19) | |
| 19 | 7007207 | 1 | O-Ring (Part of Item 18) | |
| 20 | See Note | NSS | Spool (Note: Use Item 10) | |
| 21 | See Note | NSS | Guide, Spring LS (Note: Use Item 10) | |
| 22 | See Note | NSS | Spring, Outer LS (Note: Use Item 10) | |
| 23 | See Note | NSS | Spring, Inner LS (Note: Use Item 10) | |
| 24 | See Note | NSS | Plug, Adjusting LS (Note: Use Item 10 or 61) | |
| 25 | See Note | NSS | Spool, Control (Note: Use Item 10) | |
| 26 | See Note | NSS | Guide, Spring PC (Note: Use Item 10) | |
| 27 | See Note | NSS | Spring, Outer PC (Note: Use Item 10) | |
| 28 | See Note | NSS | Spring, Inner PC (Note: Use Item 10) | |
| 29 | See Note | NSS | Plug, Adjusting PC (Note: Use Item 10) | |
| 30 | See Note | NSS | O-Ring (Note: Use Item 10 or 61) | |
| 31 | See Note | NSS | Ring, Seal (Note: Use Item 10 or 61) | |
| 32 | See Note | NSS | Capscrew (Note: Use Item 10) | |
| 33 | 70002585 | 1 | Bearing Kit - Rear (Includes Cup and Cone) | |
| 34 | 70002586 | 1 | Shaft | |
| 35 | 70004420 | 1 | Cap, End | |
| 36 | 70002588 | 4 | Capscrew | |
| 37 | 7007446 | 1 | Pin, Slotted | |
| 38 | 70002589 | 1 | Coupling | |
| 39 | 7022340 | 1 | Bracket, Lifting | |
| 40 | 70002590 | 1 | Capscrew | |
| 41 | 7023962 | 1 | Ring, Retaining | |
| 42 | See Note | NSS | Seal, Lip (Note: Use Item 61) | |
| 43 | See Note | NSS | Housing (Note: Not Available for Purchase) | |
| 44 | 7023964 | 1 | Plug Assembly (Includes Item 45) | |
| 45 | 7007415 | 1 | O-Ring (Part of Item 44) | |
| 46 | 70004423 | 1 | Cylinder Block Kit (Includes Items 47-55) | |
| 47 | 70004421 | 1 | Cylinder | |
| 52 | 7021275 | 3 | Pin, Hold-down | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 53 | 70002592 | 1 | Guide, Slipper Retainer | |
| 54 | 70002593 | 1 | Retainer, Slipper | |
| 55 | 70004422 | 1 | Piston Assembly | |
| 56 | See Note | NSS | Seal, End Cap (Note: Use Item 61) | |
| 57 | 7023964 | 1 | Plug, O-Ring (Includes Item 58) | |
| 58 | 7007415 | 1 | O-Ring (Part of Item 57) | |
| 59 | 70005418 | 1 | Servo Piston Assembly (Includes Item 60) | |
| 60 | See Note | NSS | Ring, Piston (Part of Item 59) (Note: Use Item 61) | |
| 61 | 70002599 | 1 | Complete Seal Kit (Includes Items 13, 15, 17, 19, 24, 30, 31, 42, 45, 56, 58 & 60) | |

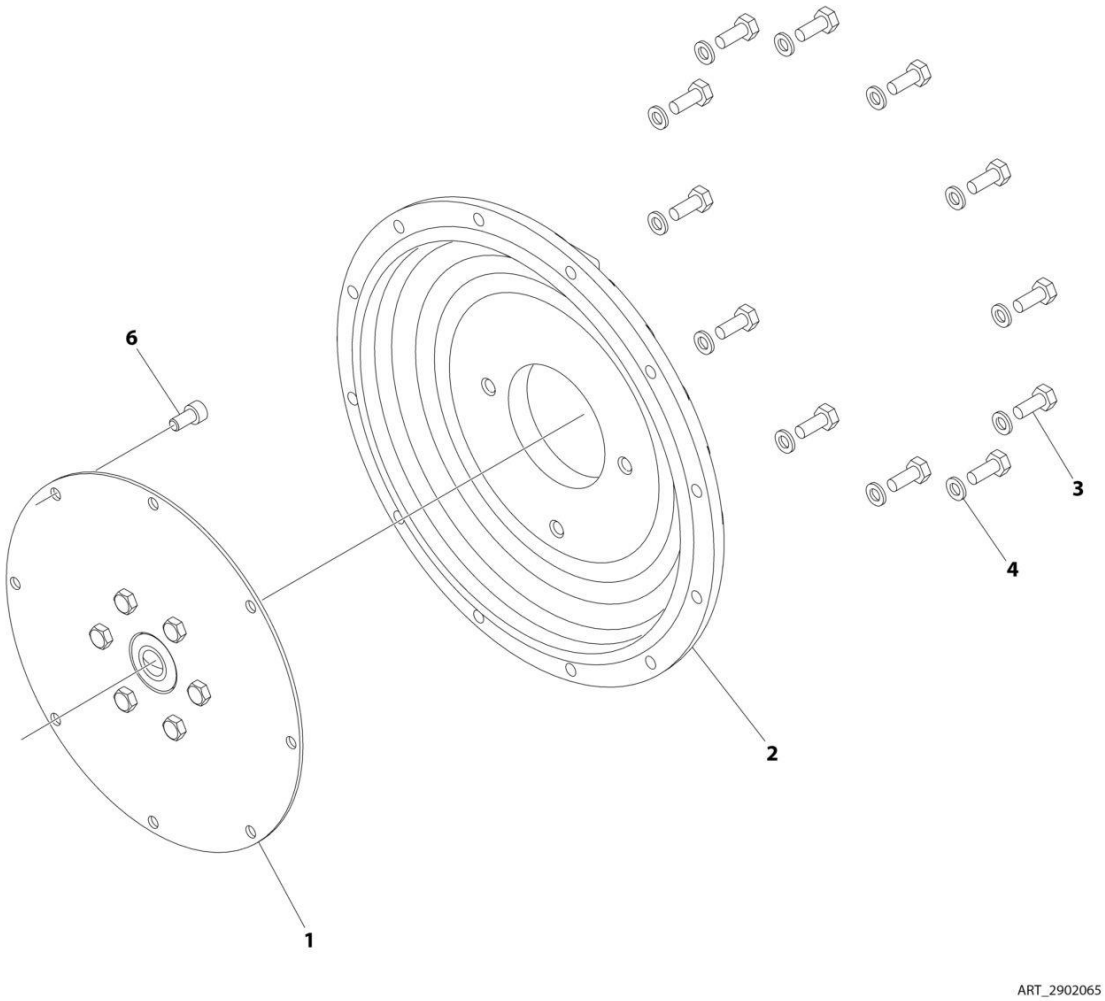
## FIGURE 3-37. PUMP ASSEMBLY (SAUER GEAR)



## FIGURE 3-37. PUMP ASSEMBLY (SAUER GEAR)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001112927 | Ref | PUMP ASSEMBLY (SAUER GEAR) | A |
| 1 | See Note | NSS | Body (Note: Use p/n 1001112927) | |
| 2 | See Note | NSS | Cover, Front (Note: Use p/n 1001112927) | |
| 3 | See Note | NSS | Cover, Rear (Note: Use p/n 1001112927) | |
| 4 | See Note | NSS | Shaft, Gear (Note: Use p/n 1001112927) | |
| 5 | See Note | NSS | Gear, Idler (Note: Use p/n 1001112927) | |
| 6 | See Note | NSS | Block, Bearing (Note: Use p/n 1001112927) | |
| 7 | 7007489 | 2 | Ring, Anti-Extrusion | |
| 8 | 7007489 | 2 | Ring, Seal | |
| 10 | See Note | NSS | Pin, Dowel (Note: Use p/n 1001112927) | |
| 12 | 70002576 | 1 | Ring, Retaining | |
| 13 | See Note | NSS | Capscrew (Note: Use p/n 1001112927) | |
| 14 | 7007489 | 2 | O-Ring | |
| 15 | 7007489 | 1 | Seal, Lip | |
| 16 | 7007489 | 1 | Seal Kit - 1001112927 Pump (Includes Items 7, 8, 14 & 15) | |

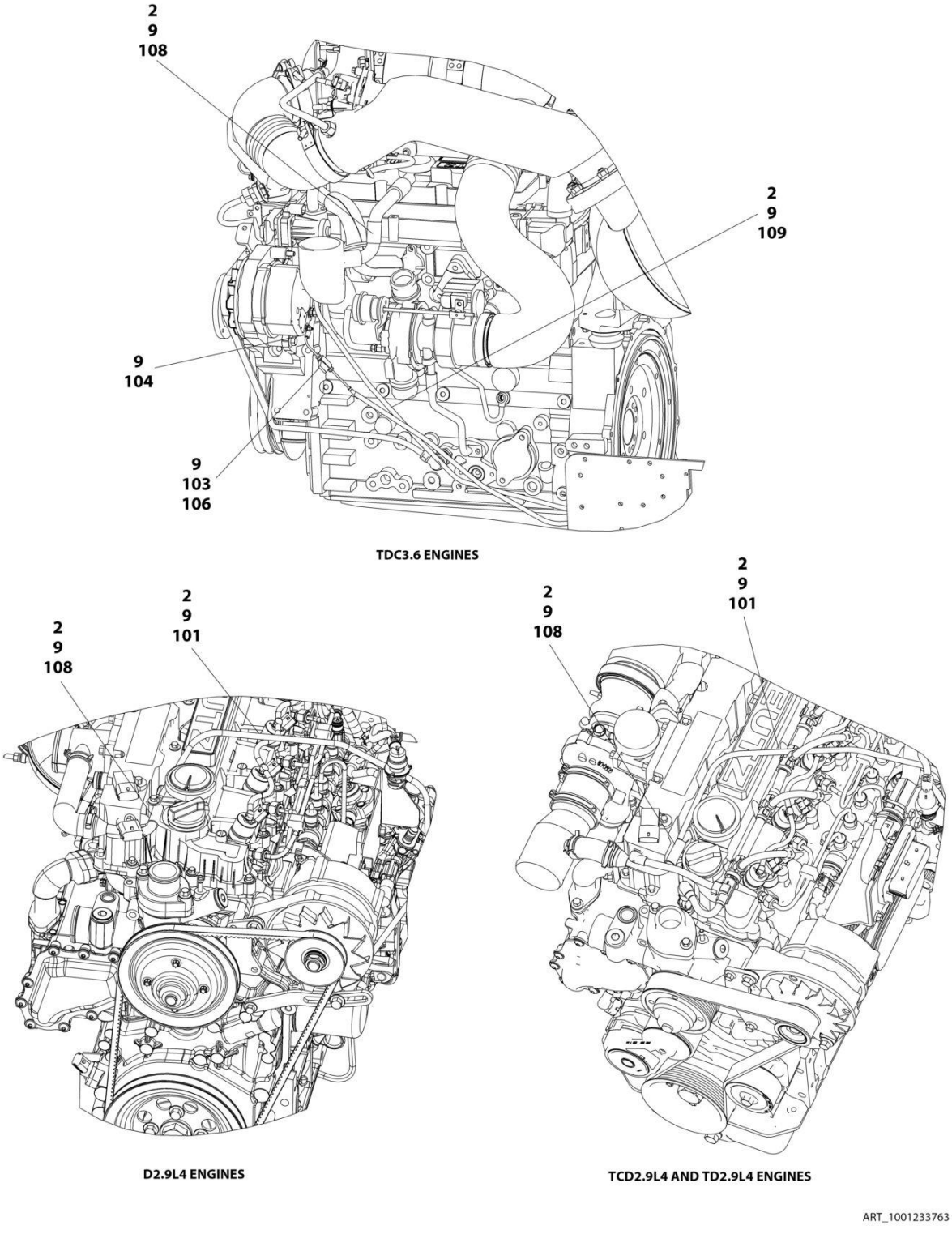
## FIGURE 3-38. PUMP COUPLING KIT



## FIGURE 3-38. PUMP COUPLING KIT

| 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) | |

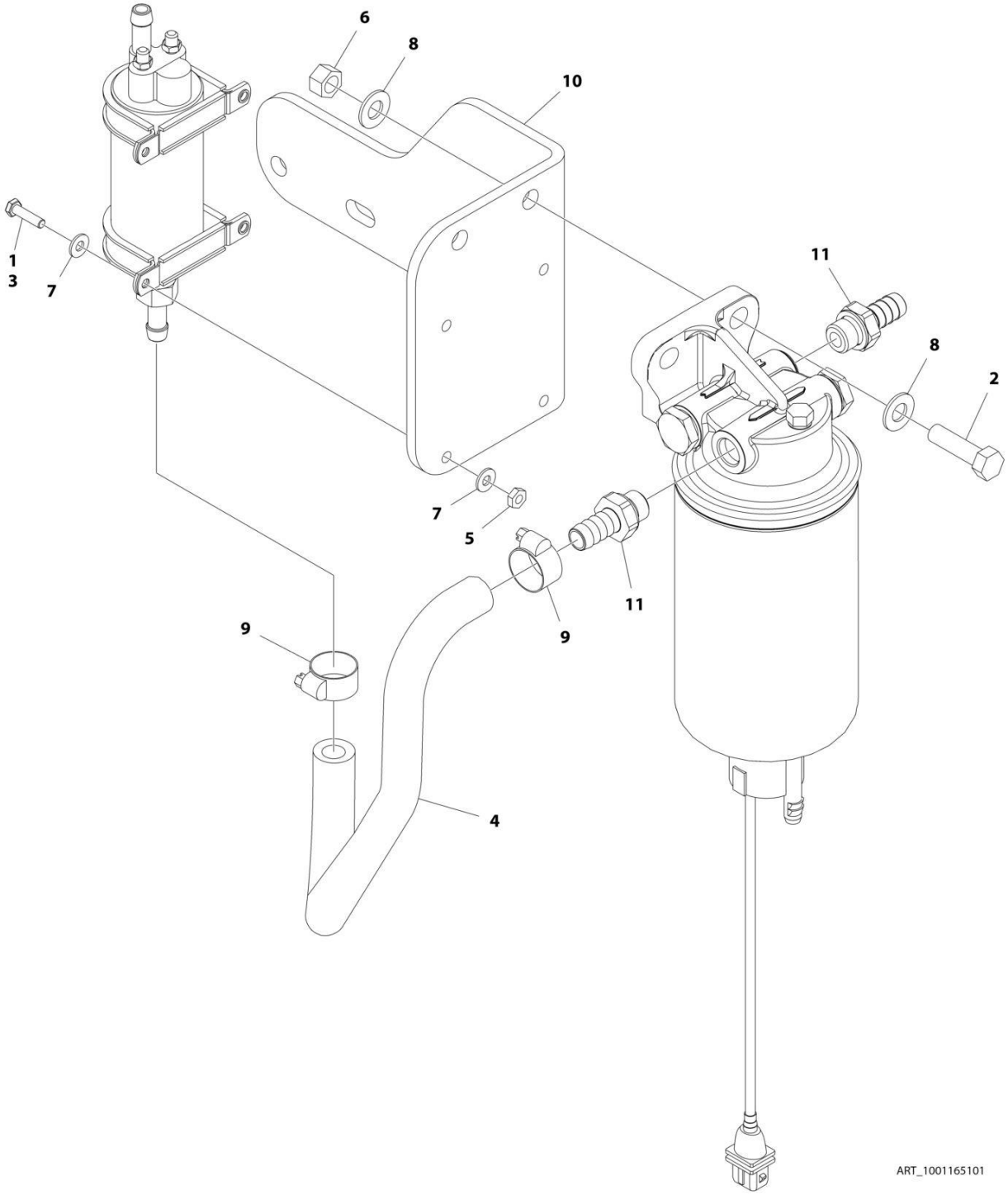
## FIGURE 3-39. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)



## FIGURE 3-39. BREATHER HEATER INST (DEUTZ TD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

| 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 | |

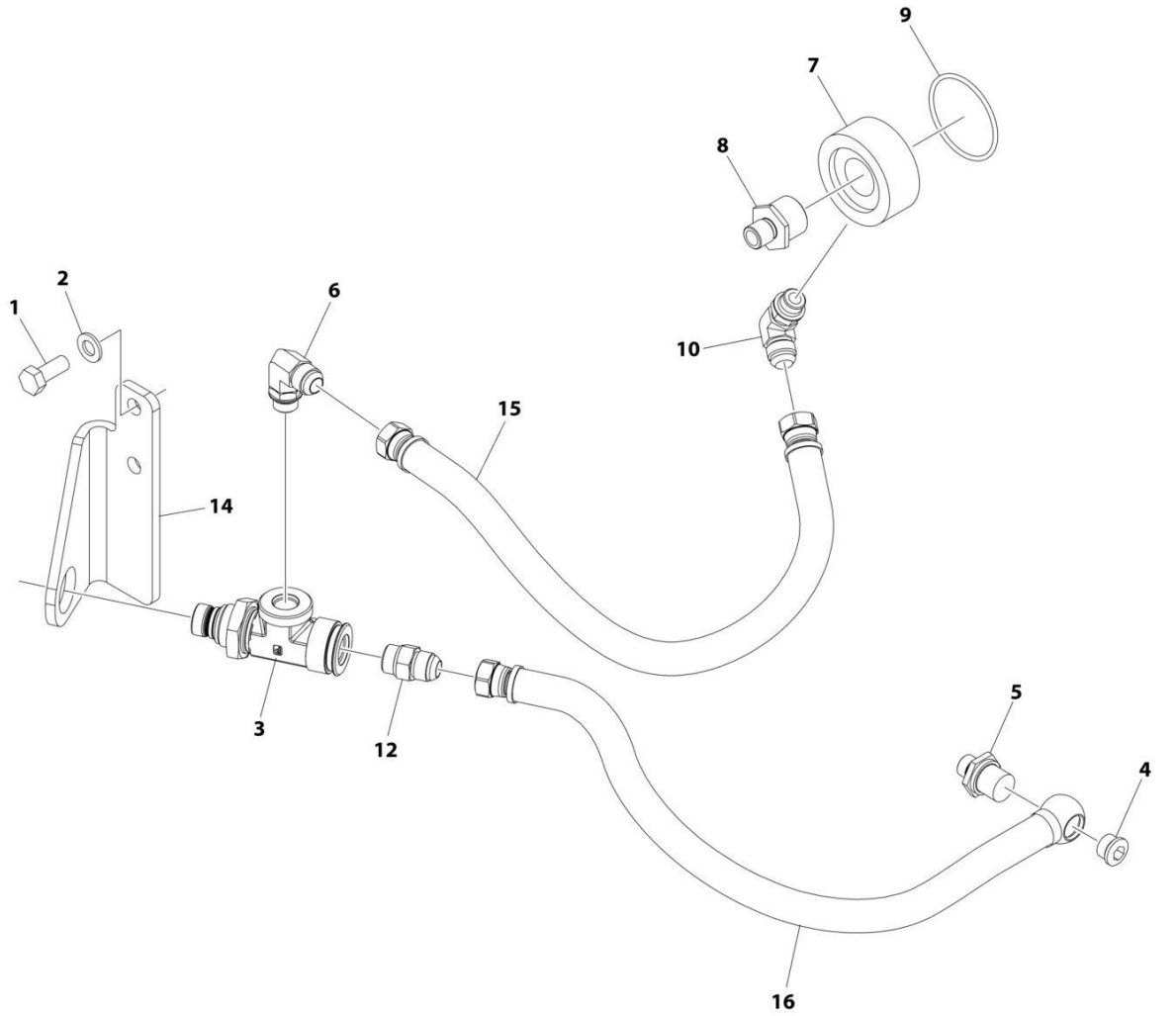
## FIGURE 3-40. FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE



## FIGURE 3-40. FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V) ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001165101 | Ref | FUEL PUMP/FILTER BRACKET ASSEMBLY - DEUTZ TCD2.9L4 ENGINE AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINE | C |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641611 | 2 | Bolt 3/8 x 1-3/8 | |
| 3 | 0721006 | 4 | Bolt #10 x 3/4 | |
| 4 | 1001154405 | 1.5 ft /0.4m | Hose | |
| 5 | 3311001 | 4 | Nut #10 | |
| 6 | 3311605 | 2 | Nut 3/8 | |
| 7 | 4711000 | 8 | Washer #10 | |
| 8 | 4711600 | 4 | Washer 3/8 | |
| 9 | 8405006 | 2 | Clamp | |
| 10 | 1001140222 | 1 | Bracket, Fuel Pump Mounting | |
| 11 | 1001141718 | 1 | Fitting, Barbed | |

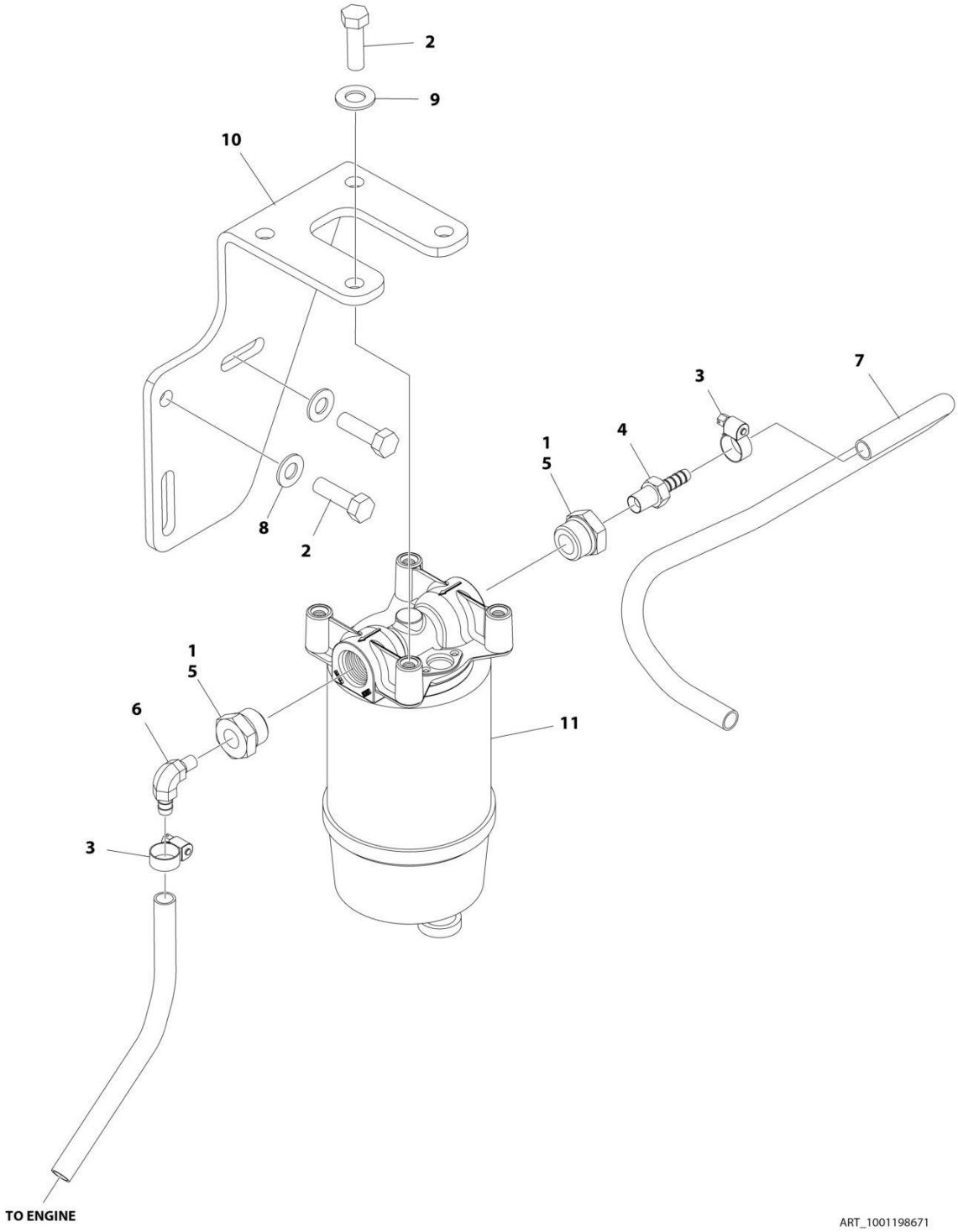
## FIGURE 3-41. QUICKFIT OIL VALVE



## FIGURE 3-41. QUICKFIT OIL VALVE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001284070 | Ref | QUICKFIT OIL VALVE | A |
| 1 | 0761214 | 2 | Bolt M12 x 30 | |
| 2 | 4812100 | 2 | Washer M12 | |
| 3 | 1001281298 | 1 | Valve | |
| 4 | 1001281304 | 1 | Plug | |
| 5 | 1001281305 | 1 | Fitting, Banjo | |
| 6 | 1001281307 | 1 | Fitting, 90 | |
| 7 | 1001281309 | 1 | Filter | |
| 8 | 1001281310 | 1 | Fitting | |
| 9 | 1001281311 | 1 | O-Ring | |
| 10 | 1001281359 | 1 | Valve, Check | |
| 11 | 1001281360 | 1 | Decal (Not Shown - Located On Frame) | |
| 12 | 1001281404 | 1 | Fitting, Adapter | |
| 13 | 1001281656 | AR | Tie-strap (Not Shown) | |
| 14 | 1001282333 | 1 | Bracket | |
| 15 | 1001284100 | 1 | Hose | |
| 16 | 1001284101 | 1 | Hose | |

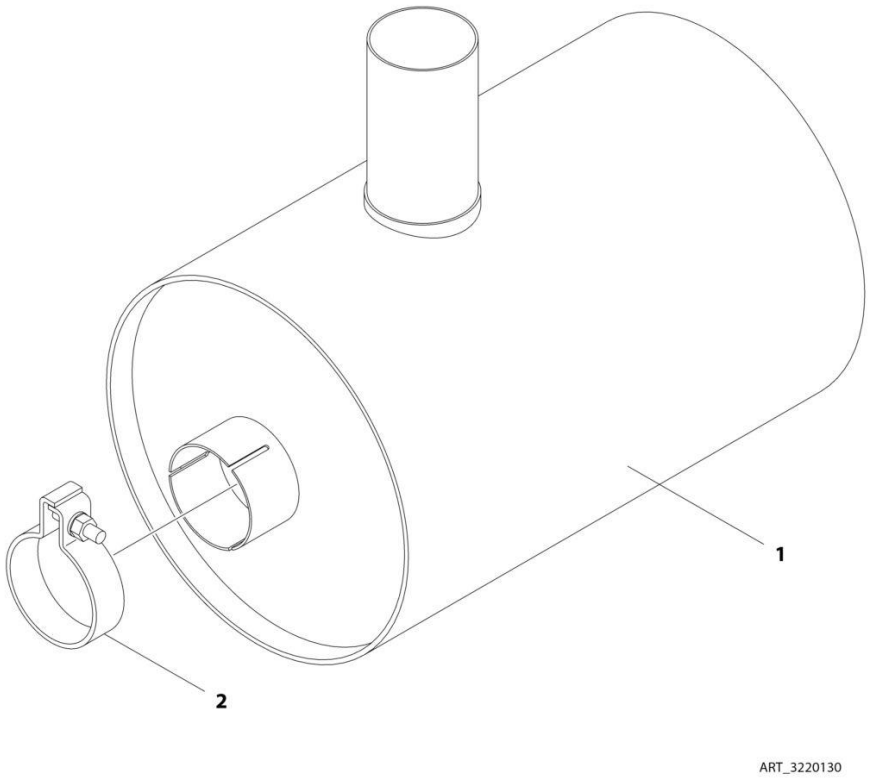
## FIGURE 3-42. WATER/FUEL SEPARATOR INSTALLATION - DEUTZ TD2011 ENGINE



## FIGURE 3-42. WATER/FUEL SEPARATOR INSTALLATION - DEUTZ TD2011 ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001198671 | Ref | WATER/FUEL SEPARATOR INSTALLATION - DEUTZ TD2011 ENGINE | A |
| 1 | 0100079 | AR | Sealant, Pipe | |
| 2 | 0641610 | 6 | Bolt 3/8 x 1-1/4 | |
| 3 | 1320022 | 2 | Clamp | |
| 4 | 2180348 | 1 | Fitting, Barbed | |
| 5 | 2220816 | 2 | Fitting, Adapter FNPTF/ORB | |
| 6 | 2221046 | 1 | Fitting, 90 Elbow | |
| 7 | 2720058 | 4.5 ft /1.37m | Hose | |
| 8 | 4711600 | 2 | Washer 3/8 | |
| 9 | 4711700 | 4 | Washer 7/16 | |
| 10 | 1001188885 | 1 | Bracket, Water/Fuel | |
| 11 | 1001188887 | 1 | Filter Water/Fuel | |
| 11 | 1001202280 | 1 | Filter, Head | |
| 11 | 1001202281 | 1 | Filter, Element | |

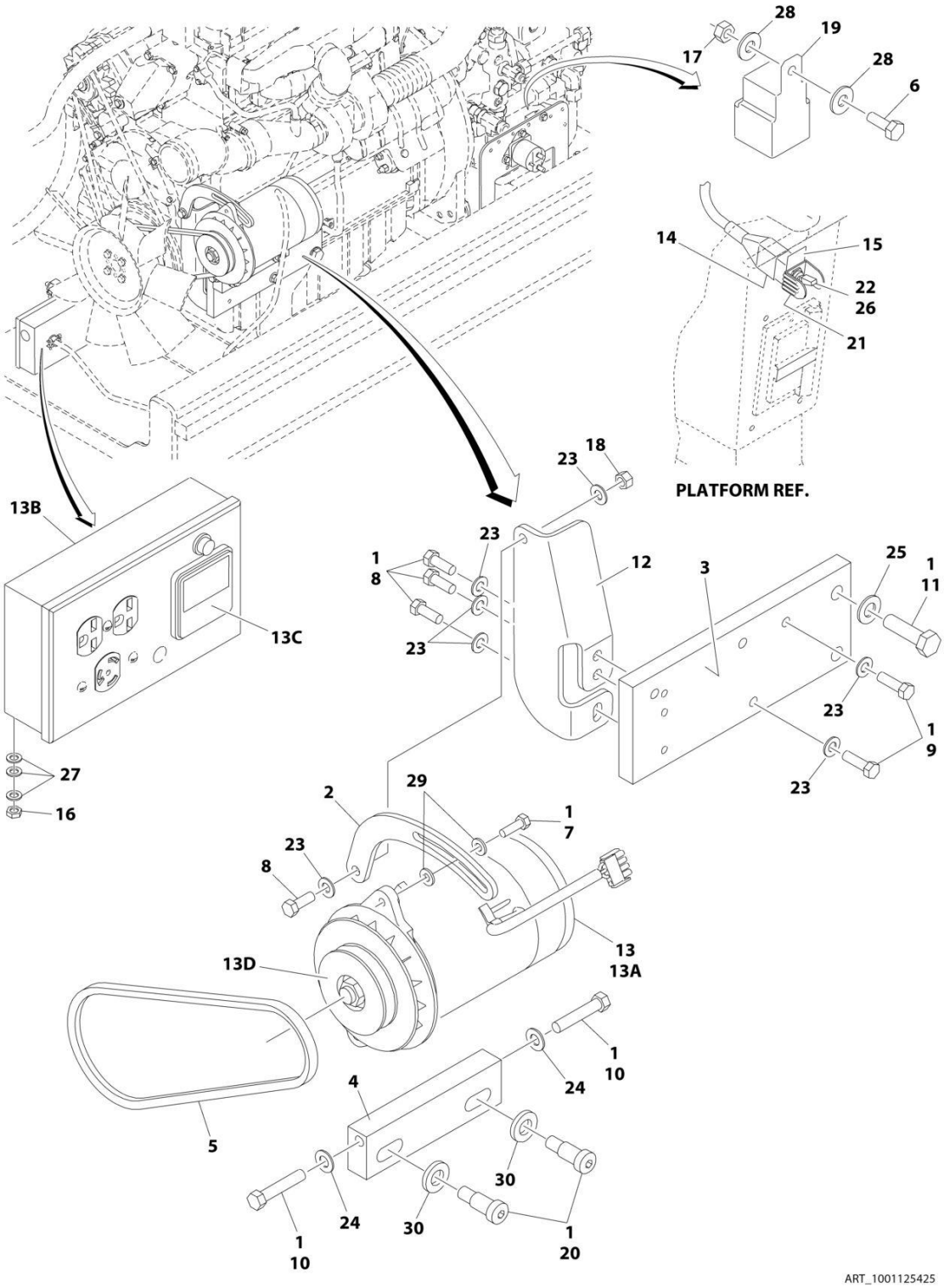
## FIGURE 3-43. SPARK ARRESTING CATALYTIC MUFFLER - DEUTZ TD2011 ENGINES (OPTIONAL)



## FIGURE 3-43. SPARK ARRESTING CATALYTIC MUFFLER - DEUTZ TD2011 ENGINES (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 3220130 | Ref | SPARK ARRESTING CATALYTIC MUFFLER - DEUTZ TD2011 ENGINES | A |
| 1 | See Note | NSS | Muffler (Note: Use p/n 3220130) | |
| 2 | 70001017 | 1 | Clamp | |

## FIGURE 3-44. 2500W GENERATOR INSTALLATION - DEUTZ TD2011 ENGINES (OPTIONAL)

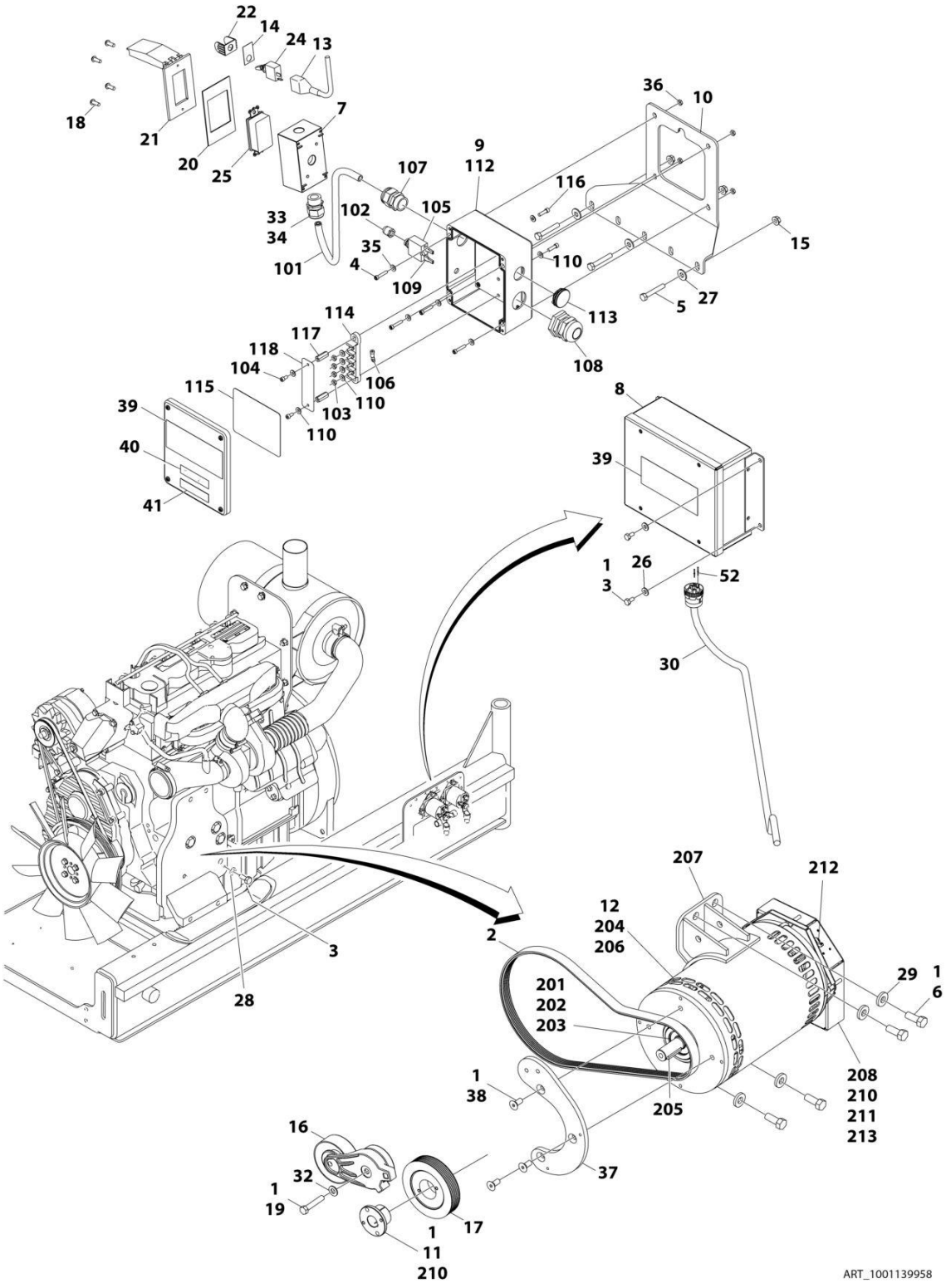


## FIGURE 3-44. 2500W GENERATOR INSTALLATION - DEUTZ TD2011 ENGINES (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125425 | Ref | 2500W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) | A |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0200742 | 1 | Arm, Adjusting | |
| 3 | 0363081 | 1 | Bar, Mounting | |
| 4 | 0363082 | 1 | Bar, Adjusting | |
| 5 | 0480127 | 1 | Belt | |
| 6 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 7 | 0641508 | 1 | Bolt 5/16 x 1 | |
| 8 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 9 | 0641610 | 2 | Bolt 3/8 x 1-1/4 | |
| 10 | 0641718 | 2 | Bolt 7/16 x 2-1/14 | |
| 11 | 0701418 | 2 | Bolt M14 x 50 | |
| 12 | 0902813 | 1 | Bracket, Arm Mounting | |
| 13 | 2460055 | 1 | Generator, 110V/60Hz | |
| 13A | 7012558 | 1 | Generator 110V/60Hz | |
| | | 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 for correct pulley. | |
| 13A | 7012513 | 4 | Cap, Brush Holder | |
| 13A | 7020108 | 4 | Brush | |
| 13A | 7020109 | 4 | Holder, Brush | |
| 13A | 7012514 | 1 | Fan | |
| 13A | 7020190 | 2 | Bearing | |
| 13A | 7020110 | 1 | End Bell, Front | |
| 13A | 7020111 | 1 | End Bell, Rear | |
| 13B | 7019680 | 1 | Box Control | |
| 13B | 4360542 | 1 | Breaker, Circuit | |
| 13B | 4460190 | AR | Receptacle, Double (110V) | |
| 13B | 4460027 | AR | Receptacle, Double Twist Lock (110V) | |
| 13B | 70000124 | 1 | Receptacle, Double (220V) | |
| 13B | 70000125 | 1 | Receptacle, Single Twist Lock (220V) | |
| 13C | 2420203 | 1 | Voltmeter | |
| 13D | 3580276 | 1 | Pulley | |
| 13D | 7027887 | 1 | Key, Woodruff | |
| 14 | 2820031 | AR | Heat Shrink | |
| 15 | 3251102 | 1 | Nameplate - Generator | |
| 16 | 3311005 | 2 | Nut #10 | |
| 17 | 3311405 | 1 | Nut 1/4 | |
| 18 | 3311605 | 1 | Nut 3/8 | |
| 19 | 3740080 | 1 | Relay | |
| 20 | 3900322 | 2 | Screw, Socket Head Shoulder | |
| 21 | 4060802 | 1 | Guard, Switch | |
| 22 | 4360336 | 1 | Switch, Toggle | |
| 23 | 4711600 | 7 | Washer 3/8 | |
| 24 | 4711700 | 2 | Washer 7/16 | |
| 25 | 4711900 | 2 | Washer 9/16 | |
| 26 | 4740397 | 1 | Spacer | |
| 27 | 4751000 | 6 | Washer #10 | |
| 28 | 4751400 | 2 | Washer 1/4 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 29 | 4891500 | 2 | Washer 5/16 | |
| 30 | 4892000 | 2 | Washer 5/8 | |

## FIGURE 3-45. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES)



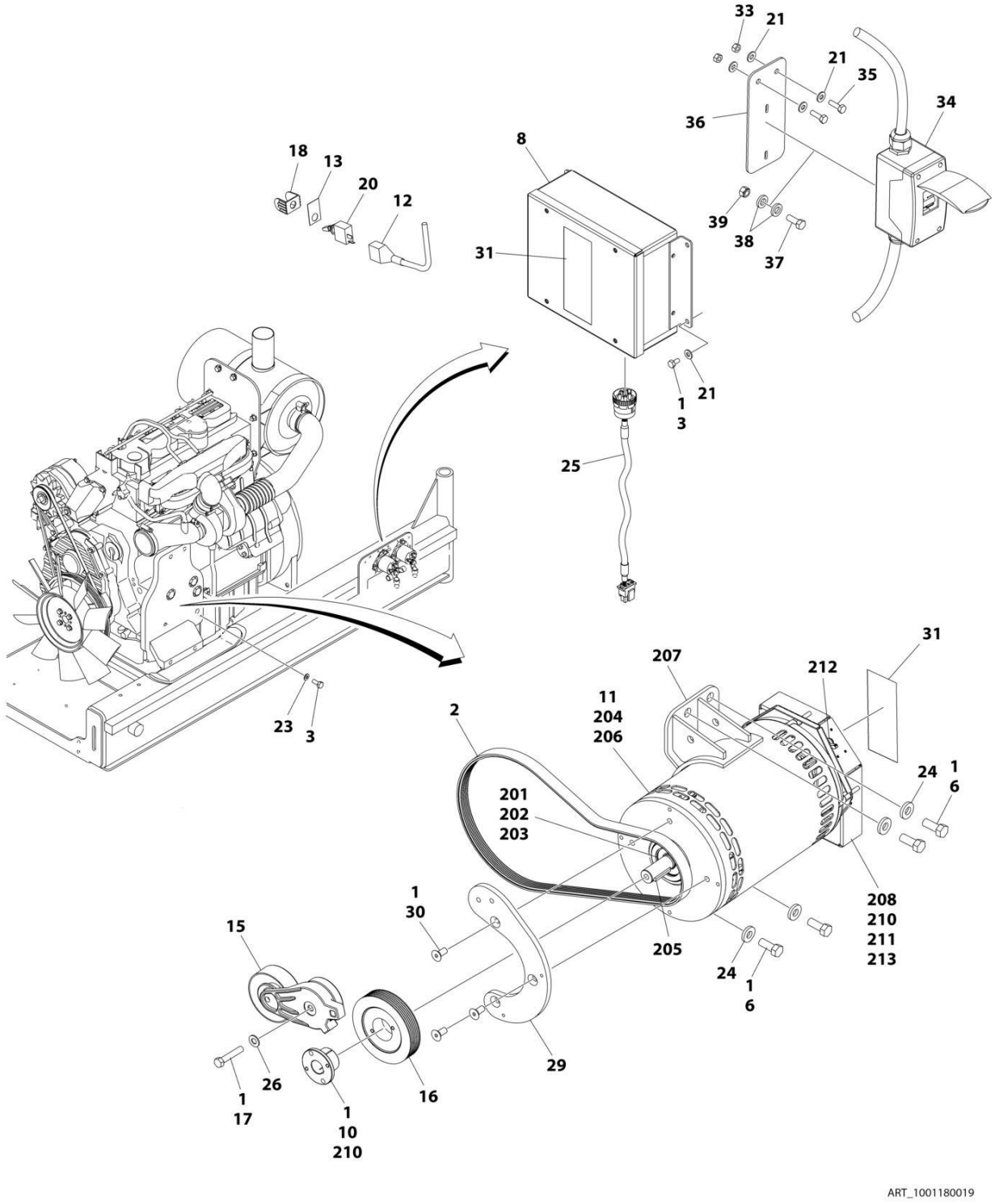
## FIGURE 3-45. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139958 | Ref | 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) | B |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0480128 | 1 | Belt, Generator | |
| 3 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 4 | 3931016 | 4 | Screw 1/4 x 1 | |
| 5 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 6 | 0641810 | 4 | Bolt 1/2 x 1-1/4 | |
| 7 | 0860038 | 1 | Box, Switch-Weatherhead | |
| 8 | 1001138566 | 1 | Box, Generator Control | |
| 8 | 70006552 | 1 | Capacitor | |
| 8 | 70006553 | 1 | Relay | |
| 9 | 1001152457 | 1 | Box, Junction Assembly (See Items 101-118 for Breakdown) | |
| 10 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 11 | 0962520 | 1 | Bushing, Taper | |
| 12 | 1001129858 | 1 | Generator, 4000W Assembly (See Items 200-213 for Breakdown) | |
| 13 | 2820031 | AR | Insulator, Heat Shrink | |
| 14 | 3251102 | 1 | Nameplate, Generator | |
| 15 | 3311508 | 3 | Nut 5/16 | |
| 16 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 17 | 3580318 | 1 | Pulley, Generator | |
| 18 | 3910606 | 4 | Screw 6 x 3/8 | |
| 19 | 0641616 | AR | Bolt 3/8 x 2 | |
| 20 | 3960422 | 1 | Gasket, AC Receptacle | |
| 21 | 1001110873 | 1 | Cover, Gang Vertical Receptacle GFCI | |
| 22 | 4060802 | 1 | Guard, Switch | |
| 23 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 24 | 4360336 | 1 | Switch, Toggle | |
| 25 | 4460346 | 1 | Terminal, Receptacle | |
| 26 | 4711400 | 4 | Washer 1/4 | |
| 27 | 4751500 | 3 | Washer 5/16 | |
| 28 | 4791400 | 2 | Starwasher 1/4 | |
| 29 | 4891800 | 4 | Washer 1/2 | |
| 30 | 1001152533 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 31 | 1001153257 | 1 | Diagram, Generator Wiring (Not Shown) | |
| 32 | 4711600 | 1 | Washer 3/8 | |
| 33 | 0100020 | AR | Sealant, Pipe | |
| 34 | 4460071 | 1 | Connector, Strain Relief | |
| 35 | 4751000 | 4 | Washer #10 | |
| 36 | 3311005 | 4 | Nut #10 | |
| 37 | 1001139357 | 1 | Mount, Generator Tensioner | |
| 38 | 0741607 | 3 | Screw 3/8 x 0.88 | |
| 39 | 1705387 | 3 | Decal - Hazardous Voltage | |
| 40 | 3251243 | 1 | Decal - 120V-60Hz | |
| 41 | 1705374 | 1 | Decal - 240V-60Hz | |
| 52 | 0100048 | AR | Grease, Dielectric | |
| | 1001152457 | Ref | JUNCTION BOX ASSEMBLY | B |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 101 | 1001179154 | 2.5 ft/ 0.8m | Cable, 12/3 | |
| 102 | 3300396 | 1 | Cover, Fuse | |
| 103 | 3311001 | 4 | Nut #10 Grade 2 | |
| 104 | 3900300 | 2 | Screw, Spec, Cap | |
| 105 | 4360070 | 1 | Circuit Breaker, 15Amp | |
| 106 | 4460068 | 3 | Terminal, Ring | |
| 107 | 4460425 | 1 | Terminal, Strain Relief | |
| 108 | 4460426 | 1 | Connector, Strain Relief | |
| 109 | 4460483 | 2 | Terminal | |
| 110 | 4711000 | 8 | Washer #10 | |
| 112 | 1001152456 | 1 | Box, Junction | |
| 113 | 1001152525 | 1 | Plug, Hole Pluggit | |
| 114 | 1001152530 | 1 | Terminal, Block, 4 Pole | |
| 115 | 1001153260 | 1 | Decal - Wiring 4000W Generator | |
| 116 | 3900267 | 2 | Screw, Spec, Cap | |
| 117 | 1001158008 | 2 | Stand-Off, Female, Threaded | |
| 118 | 1001158363 | 1 | Plate, Cover, PVC | |
| | 1001129858 | Ref | 4000W GENERATOR ASSEMBLY | |
| 201 | 70003709 | 1 | Ring, Retaining | |
| 202 | 70003708 | 1 | Ring, Retaining | |
| 203 | 70001966 | 1 | Bearing, Ball | |
| 204 | 70004092 | 1 | Endbell | |
| 205 | 70004171 | 1 | Key | |
| 206 | 70004676 | 1 | Rotor Assembly | |
| 207 | 70004684 | 1 | Stator, Generator 4000W | |
| 208 | 70004678 | 1 | Endbell | |
| 210 | 70004680 | 1 | Enclosure | |
| 211 | 70004685 | 1 | Cover, Enclosure | |
| 212 | 70004682 | 1 | Protector, Supplementary, Manual Reset | |
| 213 | 70004098 | 1 | Bushing, Strain Relief | |

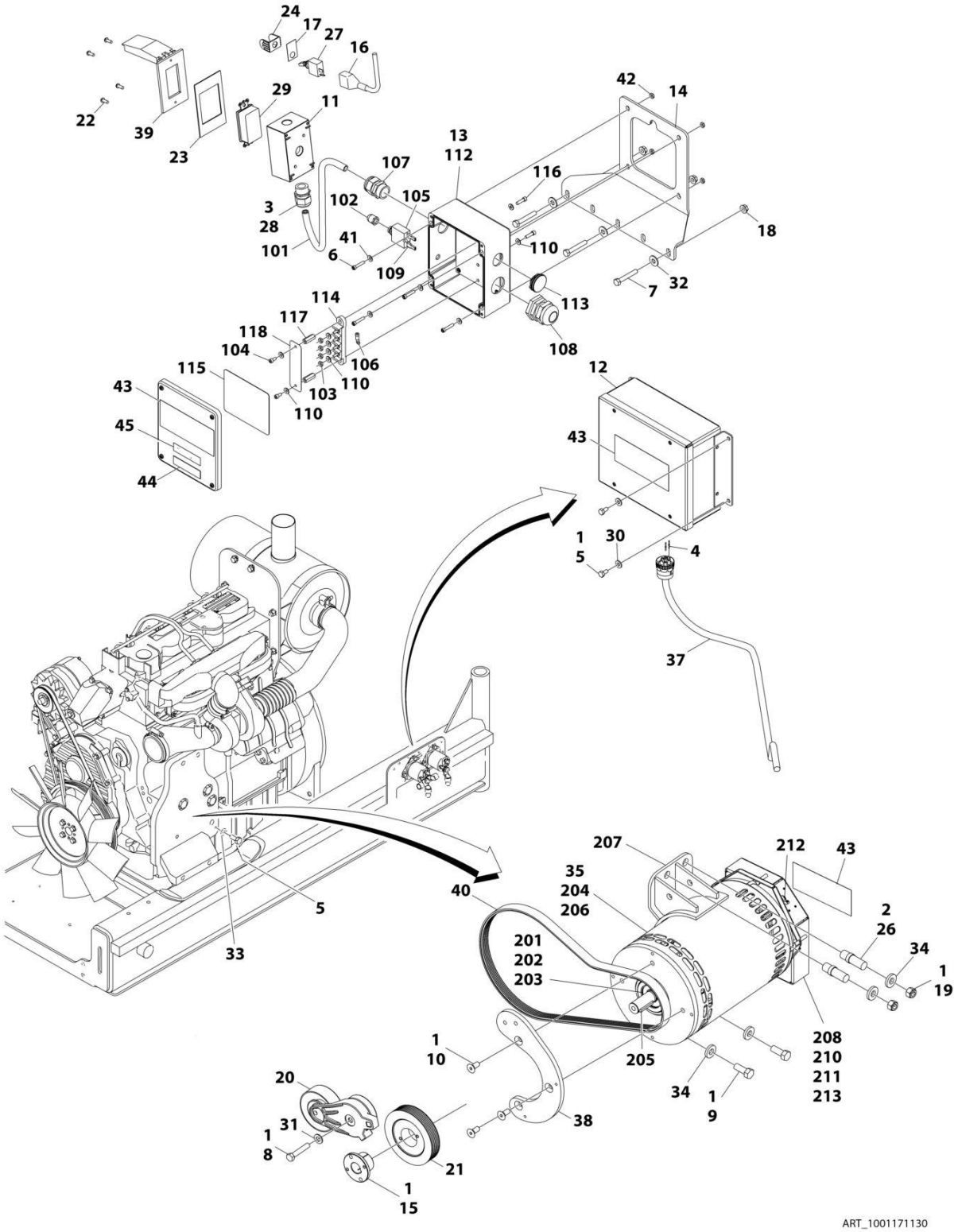
## FIGURE 3-46. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES)



## FIGURE 3-46. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001180019 | Ref | 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) | C |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 1001136356 | 1 | Belt, Generator | |
| 3 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 6 | 0641810 | 4 | Bolt 1/2 x 1-1/4 | |
| 8 | 1001138566 | 1 | Box, Generator Control | |
| 8 | 70006552 | 1 | Capacitor | |
| 8 | 70006553 | 1 | Relay | |
| 10 | 0962520 | 1 | Bushing, Taper | |
| 11 | 1001138565 | 1 | Generator, 4000W Assembly (See Items 200-213 for Breakdown) | |
| 12 | 2820031 | AR | Insulator, Heat Shrink | |
| 13 | 3251102 | 1 | Nameplate, Generator | |
| 15 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 16 | 3580319 | 1 | Pulley, Generator | |
| 17 | 0641616 | AR | Bolt 3/8 x 2 | |
| 18 | 4060802 | 1 | Guard, Switch | |
| 19 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 20 | 4360336 | 1 | Switch, Toggle | |
| 21 | 4711400 | 8 | Washer 1/4 | |
| 23 | 4791400 | 2 | Starwasher 1/4 | |
| 24 | 4891800 | 4 | Washer 1/2 | |
| 25 | 1001152533 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 26 | 4711600 | 1 | Washer 3/8 | |
| 29 | 1001139357 | 1 | Mount, Generator Tensioner | |
| 30 | 0741607 | 3 | Screw 3/8 x 0.88 | |
| 31 | 1705489 | AR | Decal - Hazardous Voltage | |
| 33 | 3311405 | 2 | Nut 1/4 Grade 2 | |
| 34 | 1001165368 | 1 | Kit, Box and Breaker (See Separate Breakdown in ELECTRICAL SECTION) | |
| 35 | 0641407 | 2 | Bolt 1/4 x 7/8 | |
| 36 | 1001096172 | 1 | Bracket | |
| 37 | 4010408 | 2 | Screw M4 x 16 | |
| 38 | 1001091102 | 4 | Washer M4 | |
| 39 | 3290405 | 2 | Nut M4 | |
| | 1001138565 | Ref | 4000W GENERATOR ASSEMBLY | |
| 201 | 70003709 | 1 | Ring, Retaining | |
| 202 | 70003708 | 1 | Ring, Retaining | |
| 203 | 70001966 | 1 | Bearing, Ball | |
| 204 | 70004092 | 1 | Endbell | |
| 205 | 70004171 | 1 | Key | |
| 206 | 70004676 | 1 | Rotor Assembly | |
| 207 | 70004677 | 1 | Stator, Generator 4000W | |
| 208 | 70004678 | 1 | Endbell | |
| 210 | 70004680 | 1 | Enclosure | |
| 211 | 70004681 | 1 | Cover, Enclosure | |
| 212 | 70004682 | 1 | Protector, Supplementary, Manual Reset | |
| 213 | 70004683 | 1 | Bushing, Strain Relief | |

## FIGURE 3-47. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES)



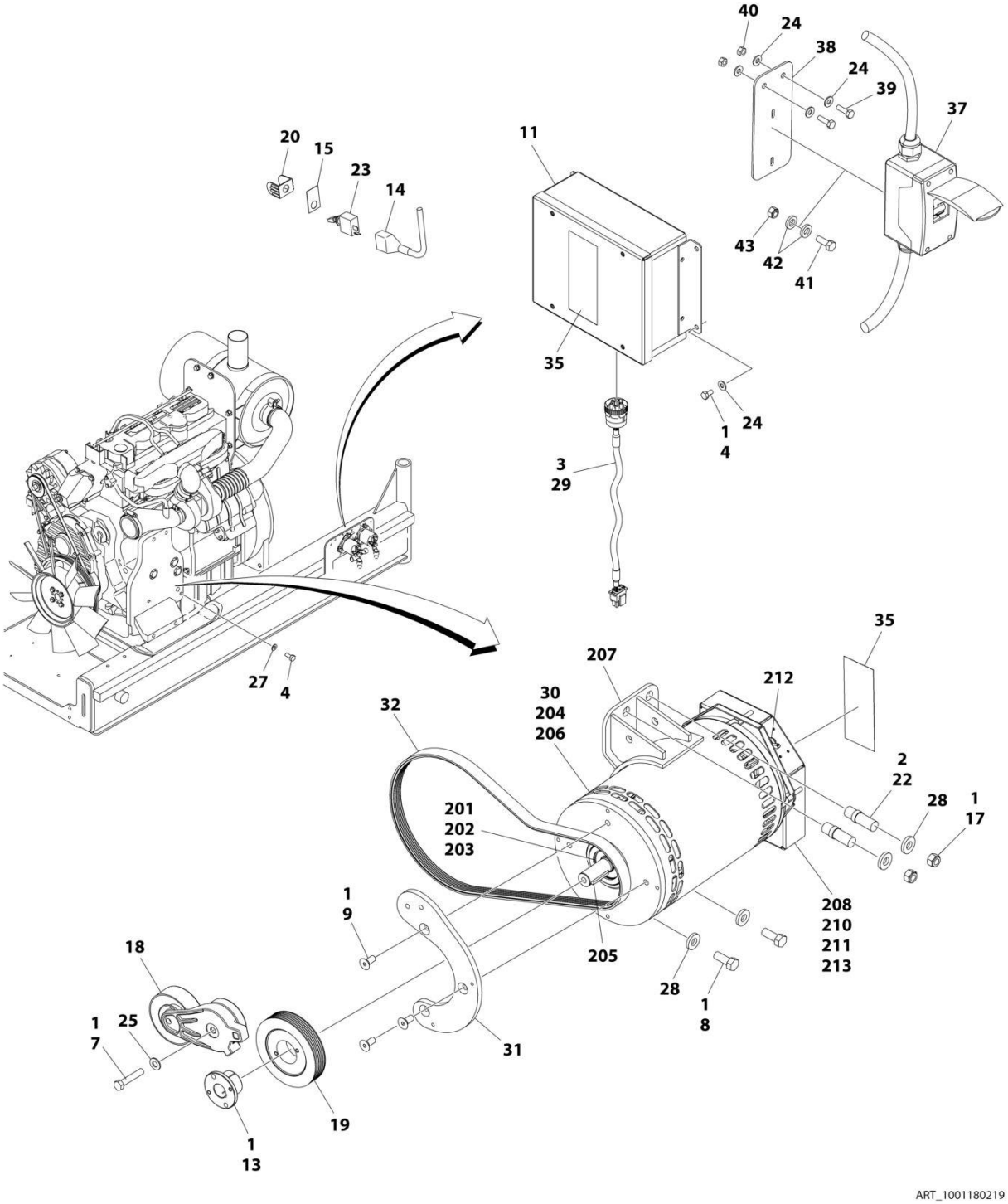
## FIGURE 3-47. 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001171130 | Ref | 4000W GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) | B |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0100020 | AR | Sealant, Pipe | |
| 4 | 0100048 | AR | Grease, Dielectric | |
| 5 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 6 | 3931016 | 4 | Screw 1/4 x 1 | |
| 7 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 8 | 0641618 | 1 | Bolt 3/8 x 2-1/4 | |
| 9 | 0641810 | 2 | Bolt 1/2 x 1-1/4 | |
| 10 | 0741607 | 3 | Screw 3/8 x 0.88 | |
| 11 | 0860038 | 1 | Box, Switch-Weatherhead | |
| 12 | 1001138566 | 1 | Box, Generator Control | |
| 12 | 70006552 | 1 | Capacitor | |
| 12 | 70006553 | 1 | Relay | |
| 13 | 1001152457 | 1 | Box, Junction Assembly (See Items 101-118 for Breakdown) | |
| 14 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 15 | 0962520 | 1 | Bushing, Taper | |
| 16 | 2820031 | AR | Insulator, Heat Shrink | |
| 17 | 3251102 | 1 | Nameplate, Generator | |
| 18 | 3311508 | 3 | Nut 5/16 | |
| 19 | 3311801 | 2 | Nut 1/2 | |
| 20 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 21 | 3580318 | 1 | Pulley, Generator | |
| 22 | 3910606 | 4 | Screw 6 x 3/8 | |
| 23 | 3960422 | 1 | Gasket, AC Receptacle | |
| 24 | 4060802 | 1 | Guard, Switch | |
| 25 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 26 | 4300157 | 2 | Stud | |
| 27 | 4360336 | 1 | Switch, Toggle | |
| 28 | 4460071 | 1 | Connector, Strain Relief | |
| 29 | 4460346 | 1 | Terminal, Receptacle | |
| 30 | 4711400 | 4 | Washer 1/4 | |
| 31 | 4711600 | 1 | Washer 3/8 | |
| 32 | 4751500 | 3 | Washer 5/16 | |
| 33 | 4791400 | 2 | Starwasher 1/4 | |
| 34 | 4891800 | 4 | Washer 1/2 | |
| 35 | 1001140344 | 1 | Generator, 4000W Assembly (See Items 200-213 for Breakdown) | |
| 36 | 1001153257 | 1 | Diagram, Generator Wiring (Not Shown) | |
| 37 | 1001152533 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 38 | 1001138011 | 1 | Mount, Generator Tensioner | |
| 39 | 1001110873 | 1 | Cover, Gang Vertical Receptacle GFCI | |
| 40 | 1001142645 | 1 | Belt, Generator | |
| 41 | 4751000 | 4 | Washer #10 | |
| 42 | 3311005 | 4 | Nut 10 | |
| 43 | 1705387 | 3 | Decal - Hazardous Voltage | |
| 44 | 1705374 | 1 | Decal - 240V-60Hz | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 45 | 3251243 | 1 | Decal - 120V-60Hz | |
| | 1001152457 | Ref | JUNCTION BOX ASSEMBLY | B |
| 101 | 1001179154 | 2.5 ft/ 0.8m | Cable, Electrical 12/3 | |
| 102 | 3300396 | 1 | Cover, Fuse | |
| 103 | 3311001 | 4 | Nut 10 Grade 2 | |
| 104 | 3900300 | 2 | Screw, Spec, Cap | |
| 105 | 4360070 | 1 | Circuit Breaker, 15Amp | |
| 106 | 4460068 | 3 | Terminal, Ring | |
| 107 | 4460425 | 1 | Terminal, Strain Relief | |
| 108 | 4460426 | 1 | Connector, Strain Relief | |
| 109 | 4460483 | 2 | Terminal | |
| 110 | 4711000 | AR | Washer #10 | |
| 112 | 1001152456 | 1 | Box, Junction | |
| 113 | 1001152525 | 1 | Plug, Hole Pluggit | |
| 114 | 1001152530 | 1 | Terminal, Block, 4 Pole | |
| 115 | 1001153260 | 1 | Decal - Wiring 4000W Generator | |
| 116 | 3900267 | 2 | Screw, Spec, Cap | |
| 117 | 1001158008 | 2 | Stand-Off, Female, Threaded | |
| 118 | 1001158363 | 1 | Plate, Cover, PVC | |
| | 1001140346 | Ref | 4000W GENERATOR ASSEMBLY | |
| 201 | 70003709 | 1 | Ring, Retaining | |
| 202 | 70003708 | 1 | Ring, Retaining | |
| 203 | 70001966 | 1 | Bearing, Ball | |
| 204 | 70004092 | 1 | Endbell | |
| 205 | 70004099 | 1 | Key | |
| 206 | 70004676 | 1 | Rotor Assembly | |
| 207 | 70004687 | 1 | Stator, Generator 4000W | |
| 208 | 70004678 | 1 | Endbell | |
| 210 | 70004680 | 1 | Enclosure | |
| 211 | 70004685 | 1 | Cover, Enclosure | |
| 212 | 70004682 | 1 | Protector, Supplementary, Manual Reset | |
| 213 | 70004098 | 1 | Bushing, Strain Relief | |

## FIGURE 3-48. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)



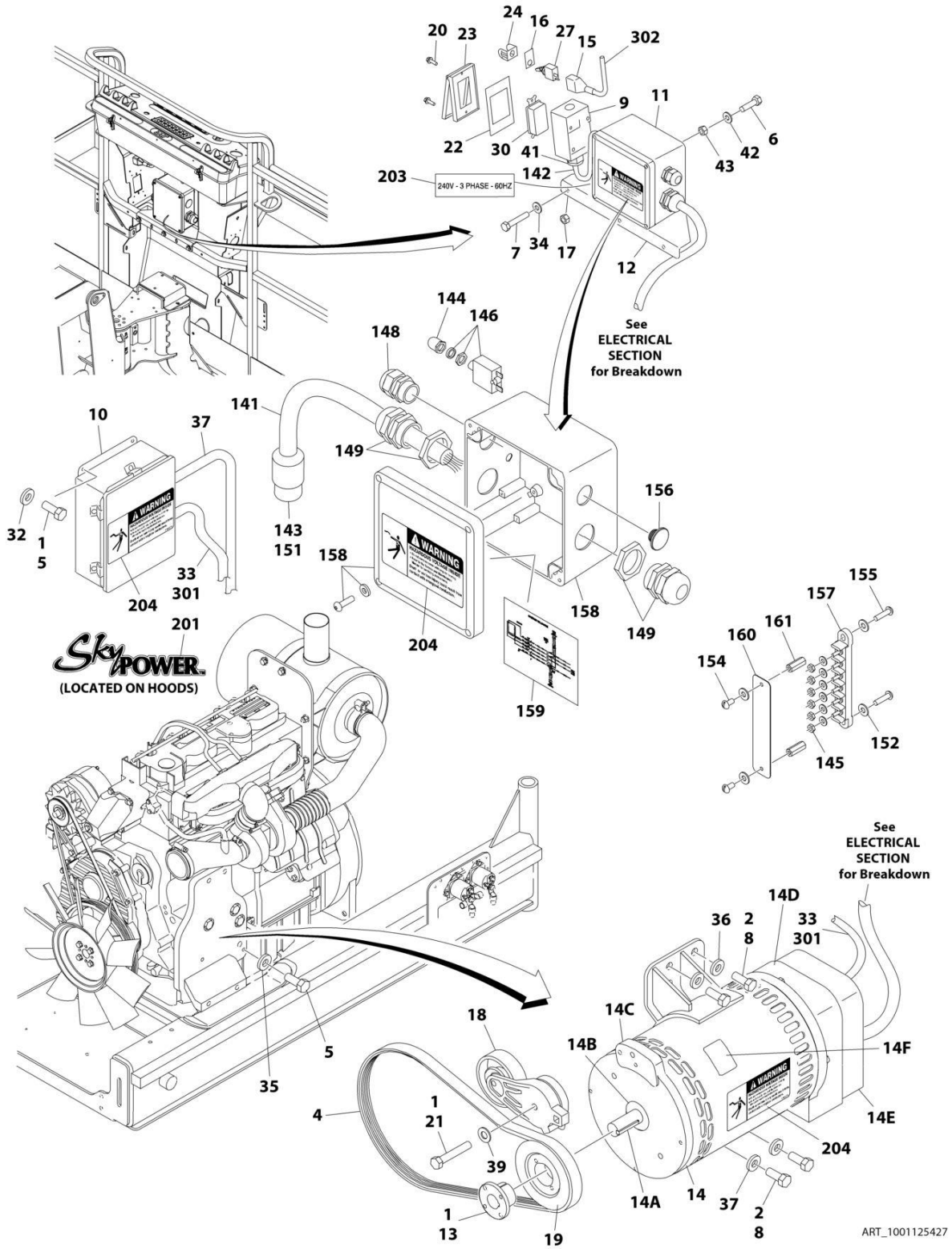
## FIGURE 3-48. 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001180219 | Ref | 4000W GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES) | C |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0100048 | AR | Grease, Dielectric | |
| 4 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 7 | 0641618 | 1 | Bolt 3/8 x 2-1/4 | |
| 8 | 0641810 | 2 | Bolt 1/2 x 1-1/4 | |
| 9 | 0741607 | 3 | Screw 3/8 x 0.88 | |
| 11 | 1001138566 | 1 | Box, Generator Control | |
| 11 | 70006552 | 1 | Capacitor | |
| 11 | 70006553 | 1 | Relay | |
| 13 | 0962520 | 1 | Bushing, Taper | |
| 14 | 2820031 | AR | Insulator, Heat Shrink | |
| 15 | 3251102 | 1 | Nameplate, Generator | |
| 17 | 3311801 | 2 | Nut 1/2 | |
| 18 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 19 | 3580319 | 1 | Pulley, Generator | |
| 20 | 4060802 | 1 | Guard, Switch | |
| 21 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 22 | 4300157 | 2 | Stud | |
| 23 | 4360336 | 1 | Switch, Toggle | |
| 24 | 4711400 | 8 | Washer 1/4 | |
| 25 | 4711600 | 1 | Washer 3/8 | |
| 27 | 4791400 | 2 | Starwasher 1/4 | |
| 28 | 4891800 | 4 | Washer 1/2 | |
| 29 | 1001152533 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL Section) | |
| 30 | 1001140397 | 1 | Generator, 4000W Assembly (See Items 200-213 for Breakdown) | |
| 31 | 1001138011 | 1 | Mount, Generator Tensioner | |
| 32 | 1001136357 | 1 | Belt, Generator | |
| 35 | 1705489 | AR | Decal - Hazardous Voltage | |
| 37 | 1001165368 | 1 | Kit, Box and Breaker (See Separate Breakdown in ELECTRICAL Section) | |
| 38 | 1001096172 | 1 | Bracket | |
| 39 | 0641406 | 2 | Bolt 1/4 x 3/4 | |
| 40 | 3311405 | 2 | Nut 1/4 Grade 2 | |
| 41 | 4010408 | 2 | Screw M4 x 16 | |
| 42 | 1001091102 | 4 | Washer M4 | |
| 43 | 3290405 | 2 | Nut M4 | |
| | 1001140347 | Ref | 4000W GENERATOR ASSEMBLY | |
| 201 | 70003709 | 1 | Ring, Retaining | |
| 202 | 70003708 | 1 | Ring, Retaining | |
| 203 | 70001966 | 1 | Bearing, Ball | |
| 204 | 70004092 | 1 | Endbell | |
| 205 | 70004099 | 1 | Key | |
| 206 | 70004676 | 1 | Rotor Assembly | |
| 207 | 70004686 | 1 | Stator, Generator 4000W | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 208 | 70004678 | 1 | Endbell | |
| 210 | 70004680 | 1 | Enclosure | |
| 211 | 70004681 | 1 | Cover, Enclosure | |
| 212 | 70004682 | 1 | Protector, Supplementary, Manual Reset | |
| 213 | 70004683 | 1 | Bushing, Strain Relief | |
| 214 | 4460224 | 1 | Connector - 6 Position (50Hz) (Not Shown - Located on Enclosure Cover) | |
| 214 | 4460294 | 2 | Pin, Male (50Hz) (Not Shown - Located on Enclosure Cover) | |

## FIGURE 3-49. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)



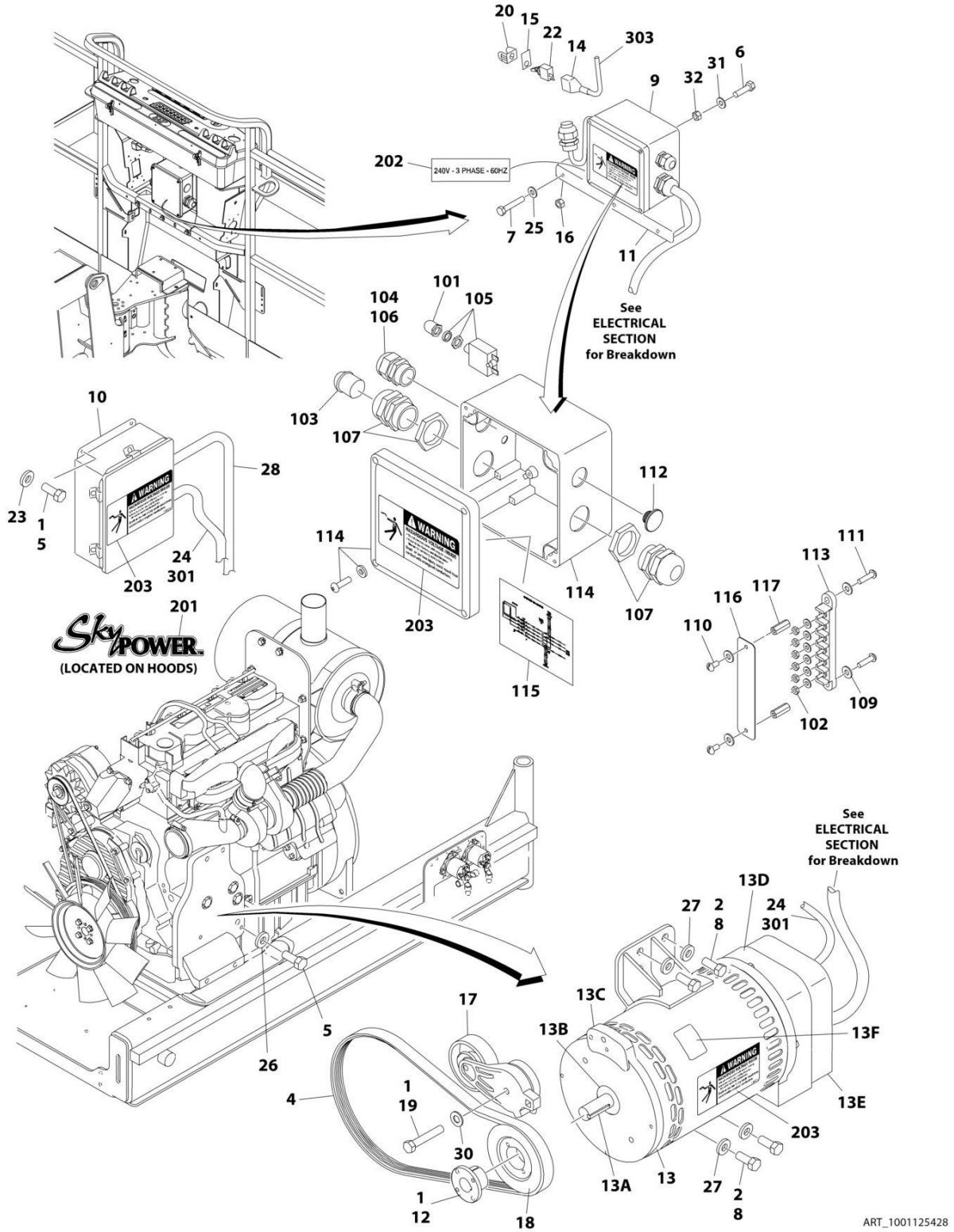
## FIGURE 3-49. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125427 | Ref | 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TD2011 ENGINES) | D |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 4 | 0480128 | 1 | Belt, Generator | |
| 5 | 0641404 | 6 | Bolt 1/4 x 1/2 | |
| 6 | 3931016 | AR | Bolt 10 x 1 | |
| 7 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 8 | 0641810 | 4 | Bolt 1/2 x 1-1/4 | |
| 9 | 0860038 | 1 | Box, Switch | |
| 10 | 0861538 | 1 | Box, Generator Control | |
| 10 | 7024488 | 1 | Card, Circuit - Generator Power (Not Shown) | |
| 10 | See Note | 1 | Fuse (Note: Not Available - Purchase Locally) | |
| 10 | 7024489 | 1 | Card, Circuit - Control (Not Shown) | |
| | | Ref | Note: When replacing card, rocker switch on card must be set for required application. | |
| 10 | 70000619 | 1 | Harness, Circuit Card | |
| 11 | 1001157592 | 1 | Junction Box Assembly Options (See Items 141-161 for Breakdown) | |
| 12 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 13 | 0962520 | 1 | Bushing, Taper | |
| 14 | 2460048 | 1 | Generator, 7500W | |
| 14 | 70001100 | 1 | Rotor (Includes p/n 70001384 & 70000863) (Not Shown) | |
| 14 | 70001384 | 1 | Bearing, Shaft (Rear) (Not Shown) | |
| 14 | 70000863 | 1 | Fan, Generator (Not Shown) | |
| 14 | 70002088 | 1 | Stator (Not Shown) | |
| 14 | 70002297 | 2 | Stud 1/4 x 12-7/8 (Not Shown) | |
| 14 | 70003631 | 1 | Brushholder Assembly (Not Shown) (was p/n 7024484) | |
| 14A | 70004171 | 1 | Key | |
| 14B | 70001966 | 1 | Bearing, Ball Radial (Located in Belt Tensioner Endbell) | |
| 14B | 70003709 | 1 | Ring, Retaining (Small) | |
| 14B | 70003708 | 1 | Ring, Retaining (Large) | |
| 14C | 70001953 | 1 | Endbell, Belt Tensioner | |
| 14D | 70004169 | 1 | Kit, Endbell (Includes Endbell, Brush Block and Shroud Assembly) | |
| 14E | 7027799 | 1 | Block, Connector 6 Position (Not Shown) | |
| 14E | 70002460 | 6 | 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 | 7026597 | 1 | Connector with Leads (Not Shown) | |
| 14E | 7026626 | 1 | Connector with Pins (Not Shown) | |
| 14E | 7026188 | 1 | Clamp, Cable (Not Shown) | |
| 14E | 70002255 | 1 | Plate, End Panel (Not Shown) | |
| 14E | See Note | NSS | Insulator, End Panel (Note: Not Available for Purchase) | |
| 14E | 70001974 | 1 | Decal - Terminal Connections (Not Shown) | |
| 14F | 70001973 | 1 | Decal - Warning Moving Parts | |
| 15 | 2820031 | AR | Insulator, Heat Shrink | |
| 16 | 3251102 | 1 | Nameplate, Generator | |
| 17 | 3311508 | 3 | Nut 5/16 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 18 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 19 | 3580318 | 1 | Pulley, Generator | |
| 20 | 3910606 | 4 | Screw #6 x 3/8 | |
| 21 | 0641618 | 1 | Bolt 3/8 x 2 | |
| 22 | 3960422 | 1 | Gasket, AC Receptacle | |
| 23 | 1001110873 | 1 | Shield, Receptacle Cover | |
| 24 | 4060802 | 1 | Guard, Switch | |
| 26 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 27 | 4360336 | 1 | Switch, Toggle | |
| 30 | 4460346 | 1 | Terminal, Receptacle | |
| 32 | 4711400 | 4 | Washer 1/4 | |
| 33 | 0100048 | AR | Grease, Dielectric | |
| 34 | 4751500 | 3 | Washer 5/16 | |
| 35 | 4791400 | 2 | Starwasher 1/4 | |
| 36 | 4891800 | 4 | Washer 1/2 | |
| 37 | 4922972 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 39 | 4711600 | 1 | Washer 3/8 | |
| 40 | 0100020 | AR | Sealant, Pipe (Not Shown) | |
| 41 | 4460071 | 1 | Connector, Strain Relief | |
| 42 | 4751000 | 4 | Washer #10 | |
| 43 | 3311005 | 4 | Nut #10 | |
| | 1001157592 | Ref | JUNCTION BOX ASSEMBLY | C |
| 141 | 1060343 | 1.5 ft/ 0.5m | Cable, Electrical 10/4 | |
| 142 | 1001179154 | 2.5 ft/ 0.8m | Cable, 12/3 | |
| 143 | 1671092 | 1 | Cover | |
| 144 | 3300396 | 1 | Cover, Fuse | |
| 145 | 3311001 | 6 | Nut #10 | |
| 146 | 4360070 | 1 | Circuit Breaker - 15Amp | |
| 148 | 4460425 | 1 | Strain Relief, Terminal | |
| 149 | 4460426 | 2 | Connector, Strain Relief | |
| 151 | 4460963 | 1 | Connector | |
| 152 | 4711000 | 10 | Washer #10 | |
| 154 | 10702077 | 2 | Screw #10 x 3/8 | |
| 155 | 10702082 | 2 | Screw #10 x 3/4 | |
| 156 | 1001152525 | 1 | Plug | |
| 157 | 1001157520 | 1 | Block, Terminal | |
| 158 | 1001157521 | 1 | Box, Junction | |
| 159 | 1001157528 | 1 | Decal - Wiring Schematic | |
| 160 | 1001158007 | 1 | Decal - PVC | |
| 161 | 1001158008 | 2 | Stand-Off | |
| | 0272435 | Ref | DECAL INSTALLATION | D |
| 201 | 1705460 | 2 | Decal - SkyPower | |
| 202 | 3251243 | 1 | Decal - 120V - 60Hz (Located at Platform Receptacle) | |
| 203 | 1705375 | 1 | Decal - 240V - 3 Phase | |
| 204 | 1705387 | 3 | Decal - Hazardous Voltage | |
| | 1001122528 | Ref | ELECTRICAL DIAGRAM COMPONENTS | B |
| 301 | 1001119968 | 1 | Generator Harness | B |
| 301A | 4460967 | 1 | Plug, Male - 3 Position (Not Shown) | |
| 301A | 4460465 | 6 | Socket, Female | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 301B | 1001117078 | 1 | Fuseholder with Fuse (Not Shown) | |
| 302 | 4922641 | 1 | Switch, Harness | |

## FIGURE 3-50. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)



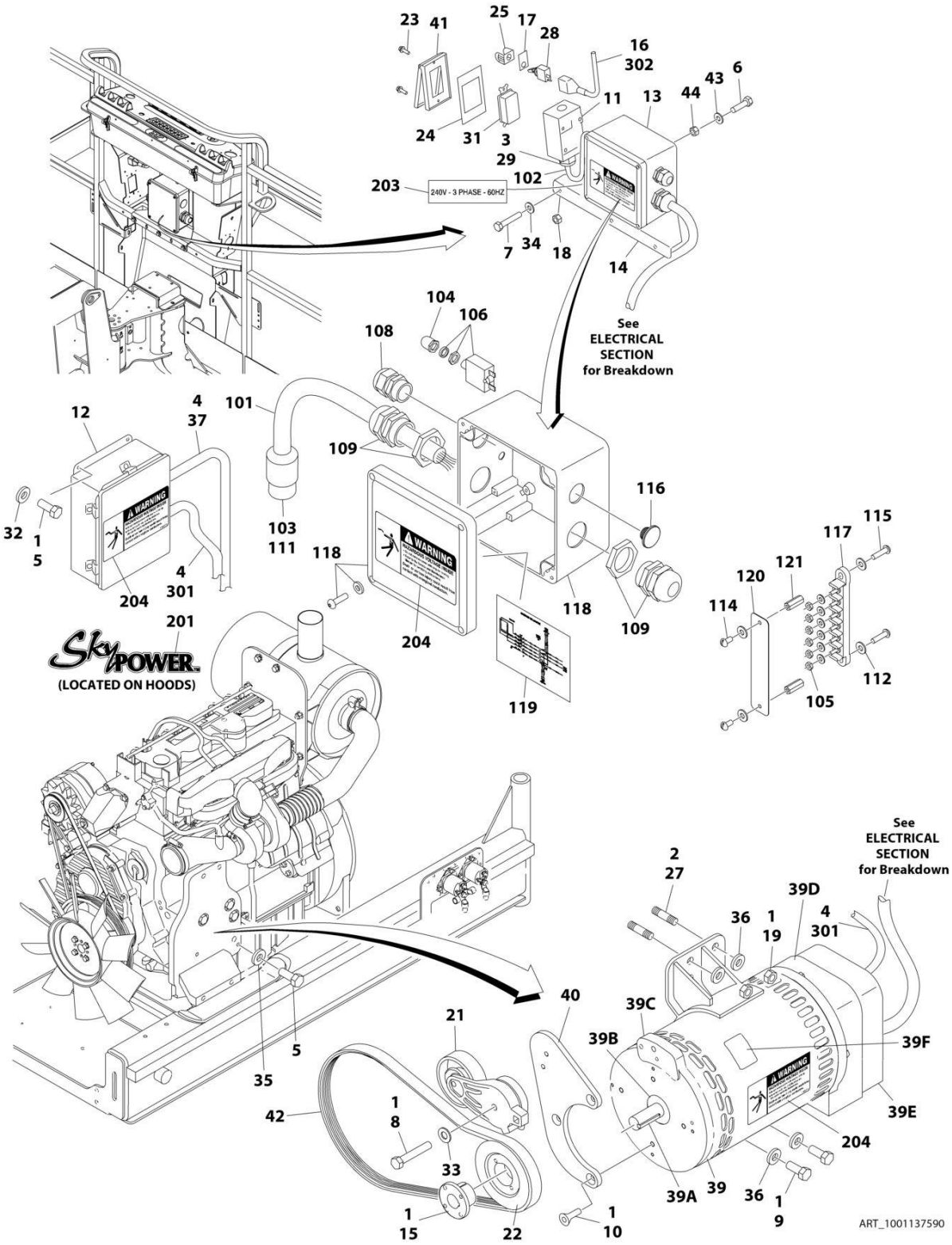
## FIGURE 3-50. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001125428 | Ref | 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TD2011 ENGINES) | C |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 4 | 0480129 | 1 | Belt, Generator | |
| 5 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 6 | 3931016 | 4 | Bolt 10 x 1 | |
| 7 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 8 | 0641810 | 4 | Bolt 1/2 x 1-1/4 | |
| 9 | 1001157525 | 1 | Junction Box Assembly (See Items 101-117 for Breakdown) | |
| 10 | 0861572 | 1 | Box, Generator Control | |
| 10 | 7024488 | 1 | Card, Circuit - Generator Power (Not Shown) | |
| 10 | See Note | 1 | Fuse (Note: Not Available - Purchase Locally) | |
| 10 | 7024489 | 1 | Card, Circuit - Control (Not Shown) | |
| | | Ref | Note: When replacing card, rocker switch on card must be set for required application. | |
| 10 | 70000619 | 1 | Harness, Circuit Card | |
| 11 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 12 | 0962520 | 1 | Bushing, Taper | |
| 13 | 2460048 | 1 | Generator, 7500W | |
| 13 | 70001100 | 1 | Rotor (Includes p/n 70001384 & 70000863) (Not Shown) | |
| 13 | 70001384 | 1 | Bearing, Shaft (Rear) (Not Shown) | |
| 13 | 70000863 | 1 | Fan, Generator (Not Shown) | |
| 13 | 70002088 | 1 | Stator (Not Shown) | |
| 13 | 70002297 | 2 | Stud 1/4 x 12-7/8 | |
| 13 | 70003631 | 1 | Brushholder Assembly (Not Shown) | |
| 13A | 70004171 | 1 | Key | |
| 13B | 70001966 | 1 | Bearing, Ball Radial (Located in Belt Tensioner Endbell) | |
| 13B | 70003709 | 1 | Ring, Retaining (Small) | |
| 13B | 70003708 | 1 | Ring, Retaining (Large) | |
| 13C | 70001953 | 1 | Endbell, Belt Tensioner | |
| 13D | 70004169 | 1 | Kit, Endbell (Includes Endbell, Brush Block and Shroud Assembly) | |
| 13E | 7027799 | 1 | Block, Connector 6 Position (Not Shown) | |
| 13E | 70002460 | 6 | Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown) | |
| 13E | 7024485 | 1 | Breaker, Circuit 30Amp (Not Shown) | |
| 13E | 70001696 | 1 | Boot, Breaker (Not Shown) | |
| 13E | 7026597 | 1 | Connector with Lead (Not Shown) | |
| 13E | 7026626 | 1 | Connector with Pins (Not Shown) | |
| 13E | 7026188 | 1 | Clamp, Cable (Not Shown) | |
| 13E | 70002255 | 1 | Plate, End Panel (Not Shown) | |
| 13E | See Note | 1 | Insulator, End Panel (Not Shown) (Note: Not Available for Purchase) | |
| 13E | 70001974 | 1 | Decal - Terminal Connections (Not Shown) | |
| 13F | 70001973 | 1 | Decal - Warning Moving Parts | |
| 14 | 2820031 | AR | Insulator, Heat Shrink | |
| 15 | 3251102 | 1 | Nameplate, Generator | |
| 16 | 3311508 | 3 | Nut 5/16 | |
| 17 | 3580317 | 1 | Pulley, Belt Tensioner | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 18 | 3580319 | 1 | Pulley, Generator | |
| 19 | 0641618 | 1 | Bolt 3/8 x 2 | |
| 20 | 4060802 | 1 | Guard, Switch | |
| 21 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 22 | 4360336 | 1 | Switch, Toggle | |
| 23 | 4711400 | 4 | Washer 1/4 | |
| 24 | 0100048 | AR | Grease, Dielectric | |
| 25 | 4751500 | 3 | Washer 5/16 | |
| 26 | 4791400 | 2 | Starwasher 1/4 | |
| 27 | 4891800 | 4 | Washer 1/2 | |
| 28 | 4922972 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 30 | 4711600 | 1 | Washer 3/8 | |
| 31 | 4751000 | 4 | Washer #10 | |
| 32 | 3311005 | 4 | Nut #10 | |
| | 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 | Strain Relief, Terminal | |
| 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 | |
| 203 | 1705489 | 3 | Decal - Hazardous Voltage | |
| | 1001122528 | Ref | ELECTRICAL DIAGRAM COMPONENTS | B |
| 301 | 1001119968 | 1 | Generator Harness | B |
| 301A | 4460967 | 1 | Plug, Male - 3 Position (Not Shown) | |
| 301A | 4460465 | 6 | Socket, Female | |
| 301B | 1001117078 | 1 | Fuseholder with Fuse (Not Shown) | |
| 303 | 4922641 | 1 | Switch Harness | |

## FIGURE 3-51. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL)



## FIGURE 3-51. 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) (OPTIONAL)

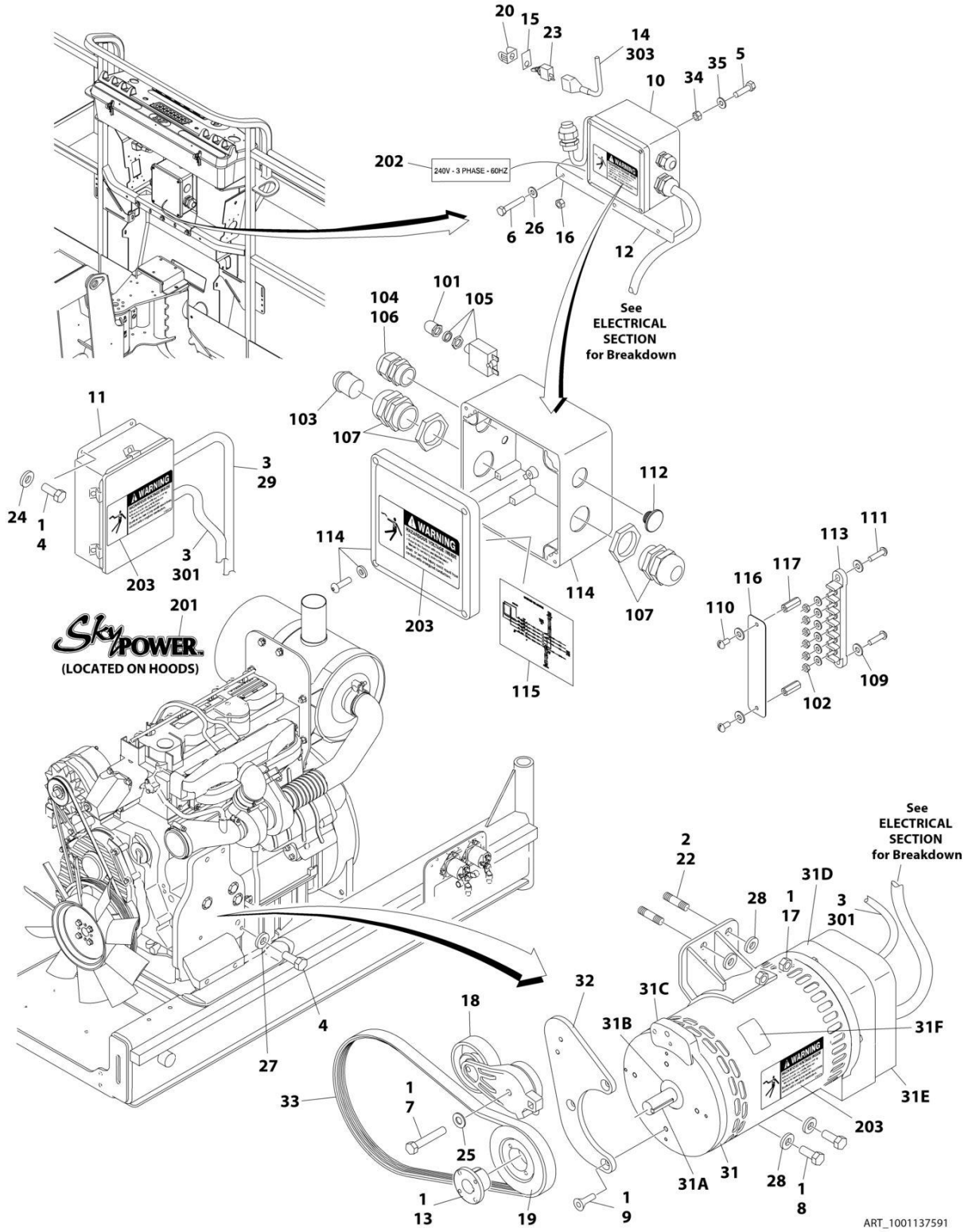
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001137590 | Ref | 7500W SKYPOWER GENERATOR INSTALLATION - 60HZ SPEC (DEUTZ TCD2.9L4 ENGINES) | G |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0100020 | AR | Sealant, Pipe | |
| 4 | 0100048 | AR | Grease, Dielectric | |
| 5 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 6 | 3931016 | 4 | Bolt 10 x 1 | |
| 7 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 8 | 0641618 | 1 | Bolt 3/8 x 2 | |
| 9 | 0641810 | 2 | Bolt 1/2 x 1-1/4 | |
| 10 | 0741607 | 3 | Screw 3/8 x 7/8 | |
| 11 | 0860038 | 1 | Box, Switch | |
| 12 | 0861538 | 1 | Box, Generator Control | |
| 12 | 7024488 | 1 | Card, Circuit - Generator Power (Not Shown) | |
| 12 | See Note | 1 | Fuse (Note: Not Available Purchase Locally) | |
| 12 | 7024489 | 1 | Card, Circuit - Control (Not Shown) | |
| | | Ref | Note: When replacing card, rocker switch on card must be set for required application. | |
| 12 | 70000619 | 1 | Harness, Circuit Card | |
| 13 | 1001157592 | 1 | Junction Box Assembly (See Items 101-121 for Breakdown) | |
| 14 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 15 | 0962520 | 1 | Bushing, Taper | |
| 16 | 2820031 | AR | Insulator, Heat Shrink | |
| 17 | 3251102 | 1 | Nameplate, Generator | |
| 18 | 3311508 | 3 | Nut 5/16 | |
| 19 | 3311801 | 2 | Nut 1/2 | |
| 21 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 22 | 3580318 | 1 | Pulley, Generator | |
| 23 | 3910606 | AR | Screw #6 x 3/8 | |
| 24 | 3960422 | 1 | Gasket, AC Receptacle | |
| 25 | 4060802 | 1 | Guard, Switch | |
| 26 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 27 | 4300157 | 2 | Stud 1/2 | |
| 28 | 4360336 | 1 | Switch, Toggle | |
| 29 | 4460071 | 1 | Connector, Strain Relief | |
| 30 | 4460315 | 3 | Terminal, Spade (Not Shown) | |
| 31 | 4460346 | 1 | Terminal, Receptacle | |
| 32 | 4711400 | 4 | Washer 1/4 | |
| 33 | 4711600 | 1 | Washer 3/8 | |
| 34 | 4751500 | 3 | Washer 5/16 | |
| 35 | 4791400 | 2 | Starwasher 1/4 | |
| 36 | 4891800 | 4 | Washer 1/2 | |
| 37 | 4922972 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL SECTION) | |
| 39 | 1001212223 | 1 | Generator, 7500W | |
| 39 | 70001100 | 1 | Rotor (Includes p/n 70001384 & 70000863) | |
| 39 | 70001384 | 1 | Bearing, Shaft (Rear) | |

# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 39 | 70000863 | 1 | Fan, Generator | |
| 39 | 70006093 | 1 | Stater | |
| 39 | 70003631 | 1 | Brush-holder Assembly (was p/n 7024484) | |
| 39A | 70004099 | NLA | Key (Use p/n 70004171) | |
| 39B | 70001966 | 1 | Bearing, Ball Radial (Located in Belt Tensioner Endbell) | |
| 39B | 70003709 | 1 | Ring, Retaining (Small) | |
| 39B | 70003708 | 1 | Ring, Retaining (Large) | |
| 39C | 70004092 | 1 | Endbell, Belt Tensioner | |
| 39D | 70004094 | 1 | Endbell, Brush Block | |
| 39E | 70006094 | 1 | Shroud Assembly | |
| 39E | 7027799 | 1 | Block, Connector - 6 Position (Not Shown) | |
| 39E | 70002460 | 6 | 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 | 7026597 | 1 | Connector with Leads (Not Shown) | |
| 39E | 7026626 | 1 | Connector with Pins (Not Shown) | |
| 39E | 70004098 | 1 | Clamp, Cable (Not Shown) | |
| 39E | 70006097 | 1 | Plate, End Panel (Not Shown) | |
| 39E | 70002291 | 1 | Insulator, End Panel Generator (Not Shown) | |
| 39E | 70001974 | 1 | Decal - Terminal Connections (Not Shown) | |
| 39F | 70001973 | 1 | Decal - Warning Moving Parts | |
| 40 | 1001138011 | 1 | Bracket | |
| 41 | 1001110873 | 1 | Shield, Receptacle Cover | |
| 42 | 1001142645 | 1 | Belt, Generator | |
| 43 | 4751000 | 4 | Washer #10 | |
| 44 | 3311005 | 4 | Nut #10 | |
| | 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 | Strain Relief, Terminal | |
| 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 | |
| | 0272435 | Ref | DECAL INSTALLATION | D |
| 201 | 1705460 | 2 | Decal - SkyPower | |
| 202 | 3251243 | 1 | Decal - 120V - 60Hz (Not Shown - Located at Platform Receptacle) | |
| 203 | 1705375 | 1 | Decal - 240V - 3 Phase | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 204 | 1705387 | 3 | Decal - Hazardous Voltage | |
| | 1001122528 | Ref | ELECTRICAL DIAGRAM COMPONENTS | B |
| 301 | 1001119968 | 1 | Generator Harness | B |
| 301A | 4460967 | 1 | Plug, Male - 3 Position (Not Shown) | |
| 301A | 4460465 | 6 | Socket, Female | |
| 301B | 1001117078 | 1 | Fuseholder with Fuse (Not Shown) | |
| 302 | 4922641 | 1 | Switch Harness | |

## FIGURE 3-52. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) (OPTIONAL)



## FIGURE 3-52. 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES) (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001137591 | Ref | 7500W SKYPOWER GENERATOR INSTALLATION - 50HZ SPEC (DEUTZ TCD2.9L4 ENGINES) | D |
| | | Ref | Note: See ELECTRICAL SECTION for Boom Cable Installation. | |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0100048 | AR | Grease, Dielectric | |
| 4 | 0641404 | 5 | Bolt 1/4 x 1/2 | |
| 5 | 3931016 | 4 | Bolt 10 x 1 | |
| 6 | 0641516 | 3 | Bolt 5/16 x 2 | |
| 7 | 0641618 | 1 | Bolt 3/8 x 2 | |
| 8 | 0641810 | 2 | Bolt 1/2 x 1-1/4 | |
| 9 | 0741607 | 3 | Screw 3/8 x 7/8 | |
| 10 | 1001157525 | 1 | Junction Box Assembly (See Items 101-117 for Breakdown) | |
| 11 | 0861572 | 1 | Box, Generator Control | |
| 11 | 7024488 | 1 | Card, Circuit - Generator Power (Not Shown) | |
| 11 | See Note | 1 | Fuse (Note: Not Available - Purchase Locally) | |
| 11 | 7024489 | 1 | Card, Circuit - Control (Not Shown) | |
| | | Ref | Note: When replacing card, rocker switch on card must be set for required application. | |
| 11 | 70000619 | 1 | Harness, Circuit Card | |
| 12 | 0902888 | 1 | Bracket, Generator Junction Box | |
| 13 | 0962520 | 1 | Bushing, Taper | |
| 14 | 2820031 | AR | Insulator, Heat Shrink | |
| 15 | 3251102 | 1 | Nameplate, Generator | |
| 16 | 3311508 | 3 | Nut 5/16 | |
| 17 | 3311801 | 2 | Nut 1/2 | |
| 18 | 3580317 | 1 | Pulley, Belt Tensioner | |
| 19 | 3580319 | 1 | Pulley, Generator | |
| 20 | 4060802 | 1 | Guard, Switch | |
| 21 | 4240018 | AR | Strap, Tie (Not Shown) | |
| 22 | 4300157 | 2 | Stud 1/2 | |
| 23 | 4360336 | 1 | Switch, Toggle | |
| 24 | 4711400 | 4 | Washer 1/4 | |
| 25 | 4711600 | 1 | Washer 3/8 | |
| 26 | 4751500 | 3 | Washer 5/16 | |
| 27 | 4791400 | 2 | Starwasher 1/4 | |
| 28 | 4891800 | 4 | Washer 1/2 | |
| 29 | 4922972 | 1 | Harness, Generator Cable (See Separate Breakdown in ELECTRICAL Section) | |
| 31 | 1001212223 | 1 | Generator, 7500W | |
| 31 | 70001100 | 1 | Rotor (Includes p/n 70001384 & 70000863) (Not Shown) | |
| 31 | 70001384 | 1 | Bearing, Shaft (Rear) (Not Shown) | |
| 31 | 70000863 | 1 | Fan, Generator (Not Shown) | |
| 31 | 70006093 | 1 | Stater (Not Shown) | |
| 31 | 70003631 | 1 | Brush-holder Assembly (Not Shown) | |
| 31A | 70004099 | NLA | Key (Use p/n 70004171) | |
| 31B | 70001966 | 1 | Bearing, Ball Radial (Located in Belt Tensioner Endbell) | |
| 31B | 70003709 | 1 | Ring, Retaining (Small) | |
| 31B | 70003708 | 1 | Ring, Retaining (Large) | |

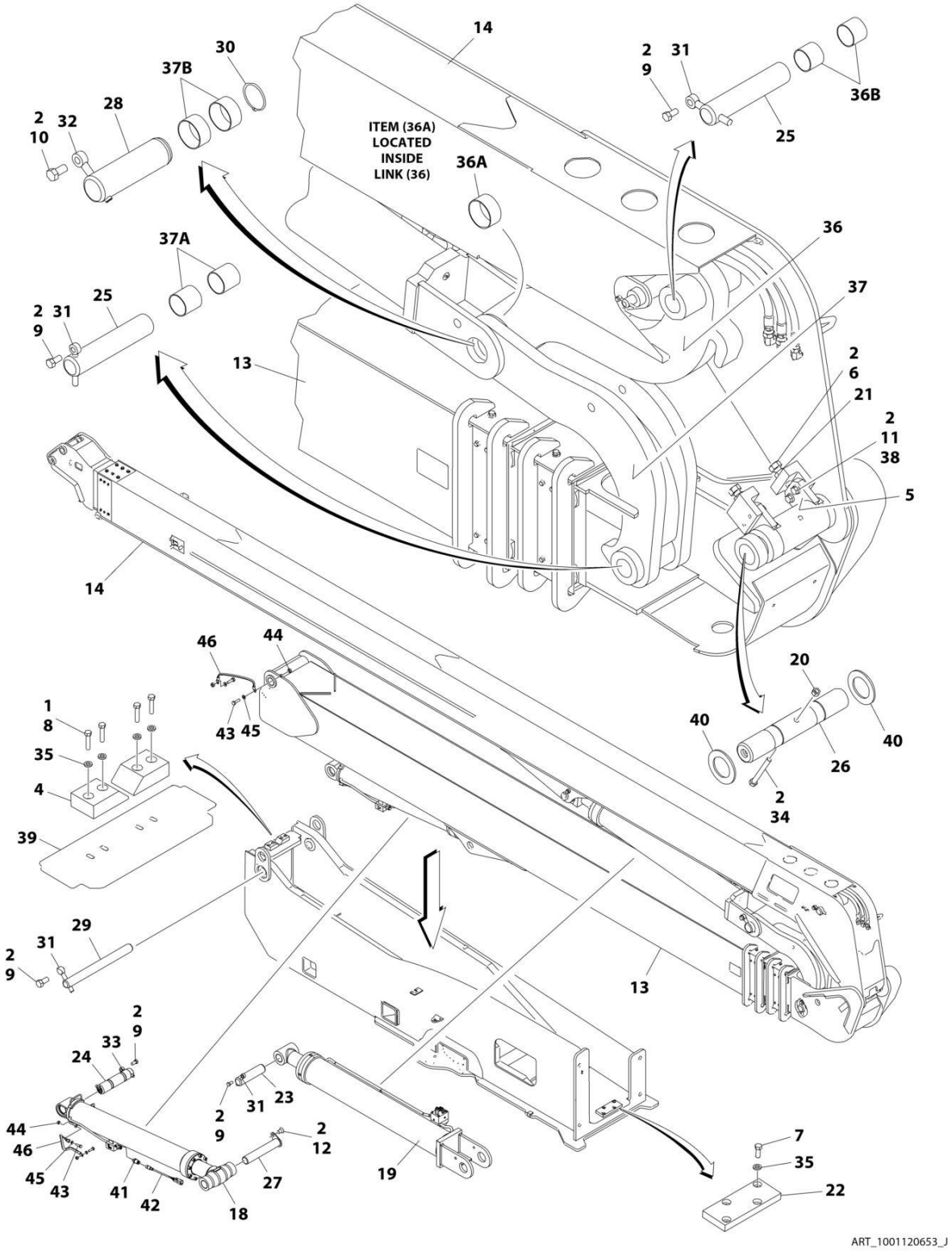
# SECTION 3 - ENGINE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 31C | 70004092 | 1 | Endbell, Belt Tensioner | |
| 31D | 70004094 | 1 | Endbell, Brush Block | |
| 31E | 70006094 | 1 | Shroud Assembly | |
| 31E | 7027799 | 1 | Block, Connector - 6 Position (Not Shown) | |
| 31E | 70002460 | 6 | Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown) | |
| 31E | 70006095 | 1 | Breaker, Circuit 30Amp (Not Shown) | |
| 31E | 70006096 | 1 | Boot, Breaker (Not Shown) | |
| 31E | 7026597 | 1 | Connector with Leads (Not Shown) | |
| 31E | 7026626 | 1 | Connector with Pins (Not Shown) | |
| 31E | 70004098 | 1 | Clamp, Cable (Not Shown) | |
| 31E | 70006097 | 1 | Plate, End Panel (Not Shown) | |
| 31E | 70002291 | 1 | Insulator, End Panel (Not Shown) | |
| 31E | 70001974 | 1 | Decal - Terminal Connections (Not Shown) | |
| 31F | 70001973 | 1 | Decal - Warning Moving Parts | |
| 32 | 1001138011 | 1 | Bracket | |
| 33 | 1001136357 | 1 | Belt, Generator | |
| 34 | 3311005 | 4 | Nut #10 | |
| 35 | 4751000 | 4 | Washer #10 | |
| | 1001157525 | Ref | JUNCTION BOX ASSEMBLY | B |
| 101 | 3300396 | 1 | Cover, Fuse | |
| 102 | 3311001 | 6 | Nut #10 | |
| 103 | 3520189 | 1 | Plug (50Hz Spec Only) | |
| 104 | 3520192 | 1 | Plug | |
| 105 | 4360070 | 1 | Circuit Breaker - 15Amp | |
| 106 | 4460425 | 1 | Strain Relief, Terminal | |
| 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 | |
| 203 | 1705489 | 3 | Decal - Hazardous Voltage | |
| | 1001122528 | Ref | ELECTRICAL DIAGRAM COMPONENTS | B |
| 301 | 1001119968 | 1 | Generator Harness (With UGM) | B |
| 301A | 4460967 | 1 | Plug, Male - 3 Position (Not Shown) | |
| 301A | 4460465 | 6 | Socket, Female | |
| 301B | 1001117078 | 1 | Fuseholder with Fuse (Not Shown) | |
| 303 | 4922641 | 1 | Switch Harness | |

# SECTION 4 - BOOM

# SECTION 4 - BOOM

## FIGURE 4-1. BOOM AND CYLINDER INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE



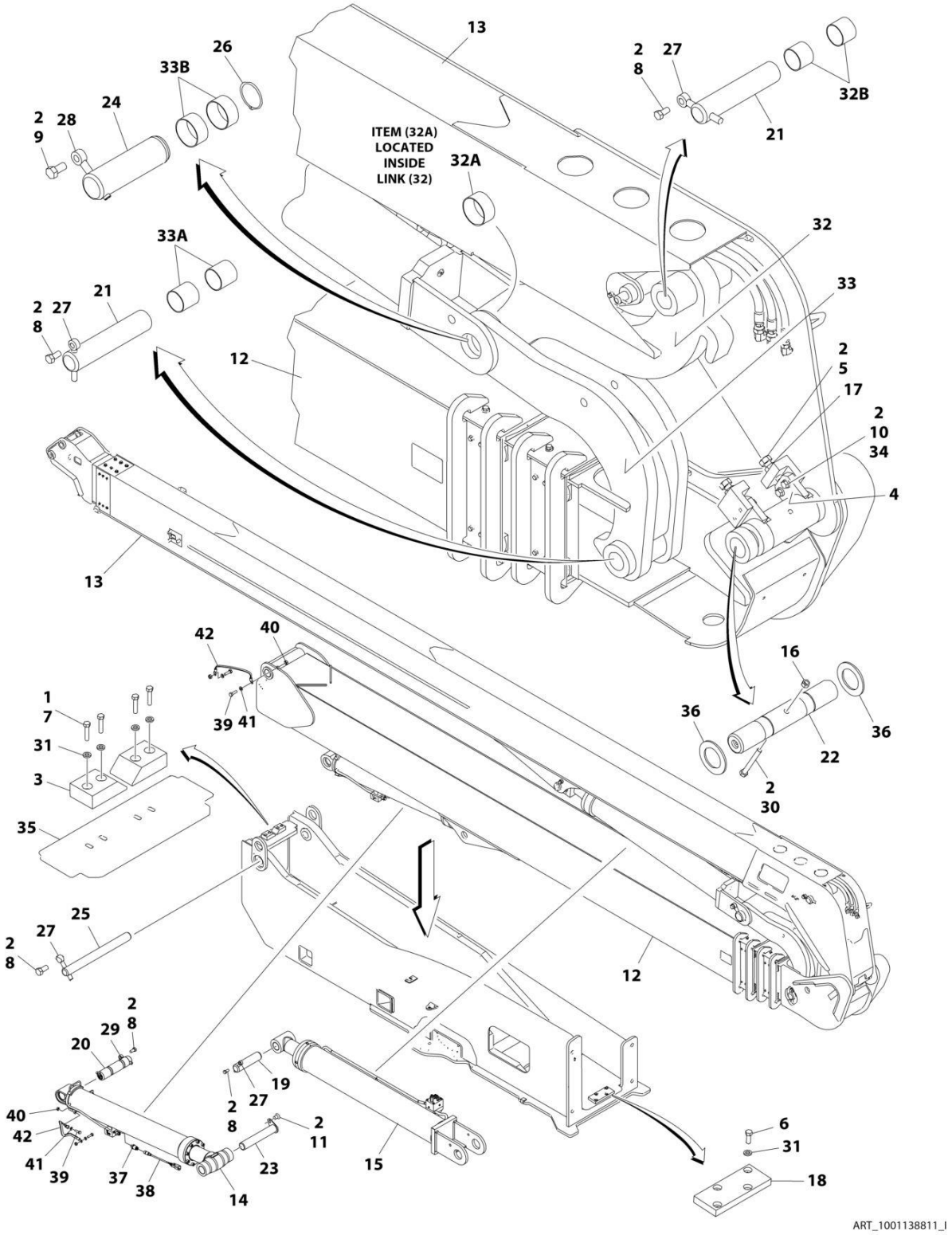
## FIGURE 4-1. BOOM AND CYLINDER INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001120653 | Ref | BOOM AND CYLINDER INSTALLATION - WITHOUT COLD WEATHER PLUS PACKAGE | J |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 4 | 0561380 | 2 | Rest, Boom | |
| 5 | 0561547 | 2 | Block, Clamping | |
| 6 | 0642624 | 2 | Bolt 1 x 3 | |
| 7 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 8 | 0641613 | 4 | Bolt 3/8 x 1-5/8 | |
| 9 | 0642212 | 5 | Bolt 3/4 x 1-1/2 | |
| 10 | 0642616 | 1 | Bolt 1 x 2 | |
| 11 | 0682016 | 4 | Bolt 5/8 x 2 Grade 8 | |
| 12 | 0742210 | 1 | Screw 3/4 x 1-1/4 | |
| 13 | 0801370 | 1 | Tower Boom Assembly (See Separate Breakdown in this Section) | |
| 14 | 0801371 | 1 | Main Boom Assembly (See Separate Breakdown in this Section) | |
| 18 | 1001228077 | 1 | Tower Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 19 | 1001251078 | 1 | Main Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 20 | 3272001 | 1 | Nut 5/8 Grade 8 | |
| 21 | 3312602 | 2 | Nut 1 | |
| 22 | 3340927 | 1 | Pad | |
| 23 | 3422920 | 1 | Pin | |
| 24 | 3423209 | 1 | Pin, Load Sensing | |
| 25 | 3423061 | 2 | Pin | |
| 26 | 3423062 | 1 | Pin | |
| 27 | 3423063 | 1 | Pin | |
| 28 | 3423064 | 1 | Pin | |
| 29 | 3423065 | 1 | Pin | |
| 30 | 3760475 | 1 | Ring, Retaining | |
| 31 | 3841287 | 4 | Keeper, Pin | |
| 32 | 3841356 | 1 | Keeper, Pin | |
| 33 | 3841581 | 1 | Keeper, Pin | |
| 34 | 0682048 | 1 | Bolt 5/8 x 6 Grade 8 | |
| 35 | 4711600 | 8 | Washer 3/8 | |
| 36 | 3010133 | 1 | Link, Upper | |
| 36A | 0440273 | 1 | Bearing | |
| 36B | 0962297 | 2 | Bushing | |
| 37 | 3010134 | 1 | Link, Lower | |
| 37A | 0962033 | 2 | Bushing | |
| 37B | 0962122 | 2 | Bushing | |
| 38 | 4892000 | 4 | Washer 5/8 | |
| 39 | 3380547 | 1 | Deflector | |
| 40 | 4740492 | 1 | Thrustwasher | |
| 41 | 1001253593 | 1 | Switch, Pressure Transducer | |
| 42 | 1001228498 | 1 | Harness, Pressure Transducer (See Separate Breakdown in ELECTRICAL Section) | |
| 43 | 0761015 | 4 | Bolt M10 x 35 | |
| 44 | 3291007 | 4 | Nut M10 | |
| 45 | 4812000 | 4 | Washer M10 | |

# SECTION 4 - BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46 | 1001212243 | 2 | Cable | |

## FIGURE 4-2. BOOM AND CYLINDER INSTALLATION - WITH COLD WEATHER PLUS PACKAGE



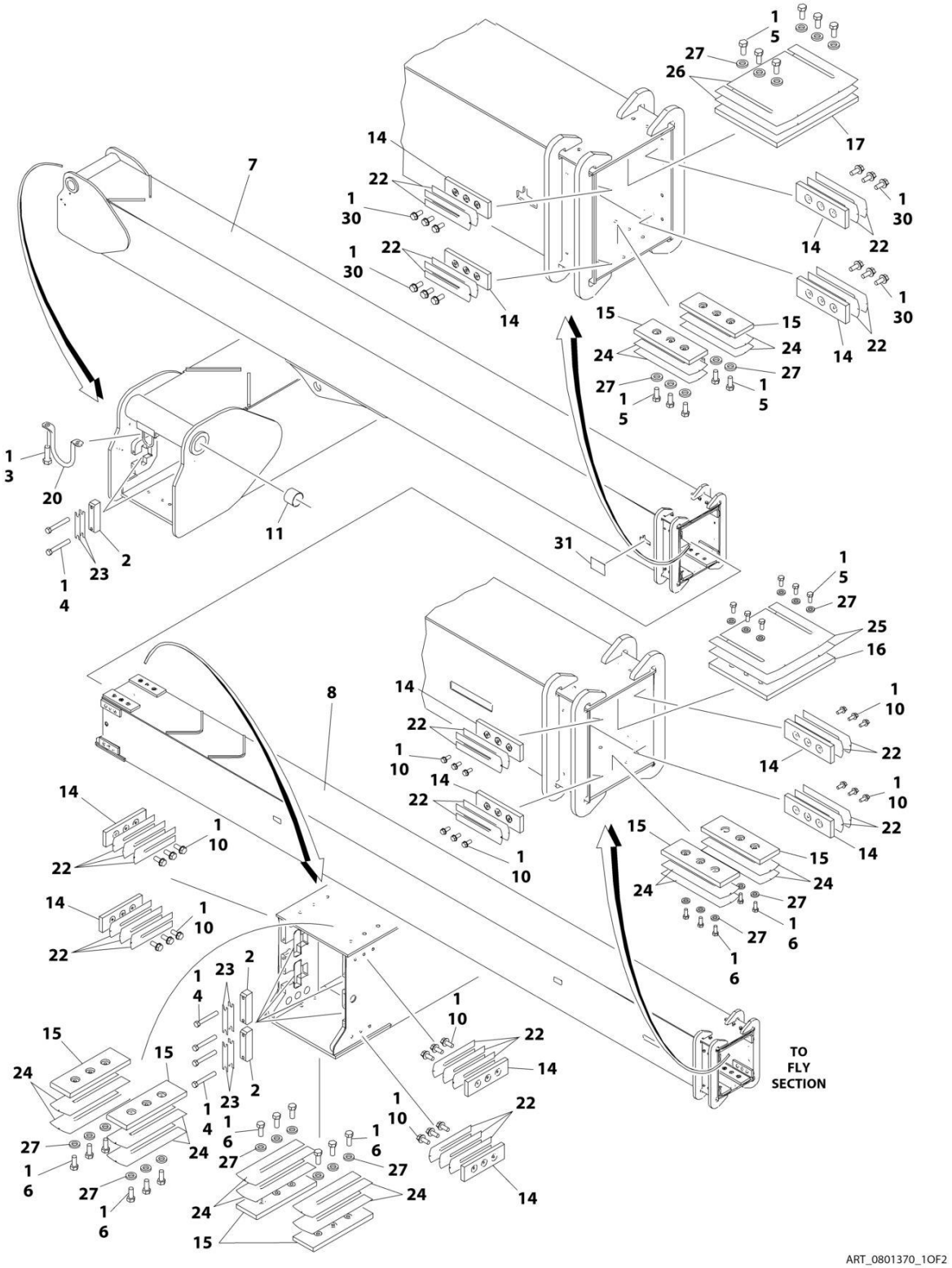
## FIGURE 4-2. BOOM AND CYLINDER INSTALLATION - WITH COLD WEATHER PLUS PACKAGE

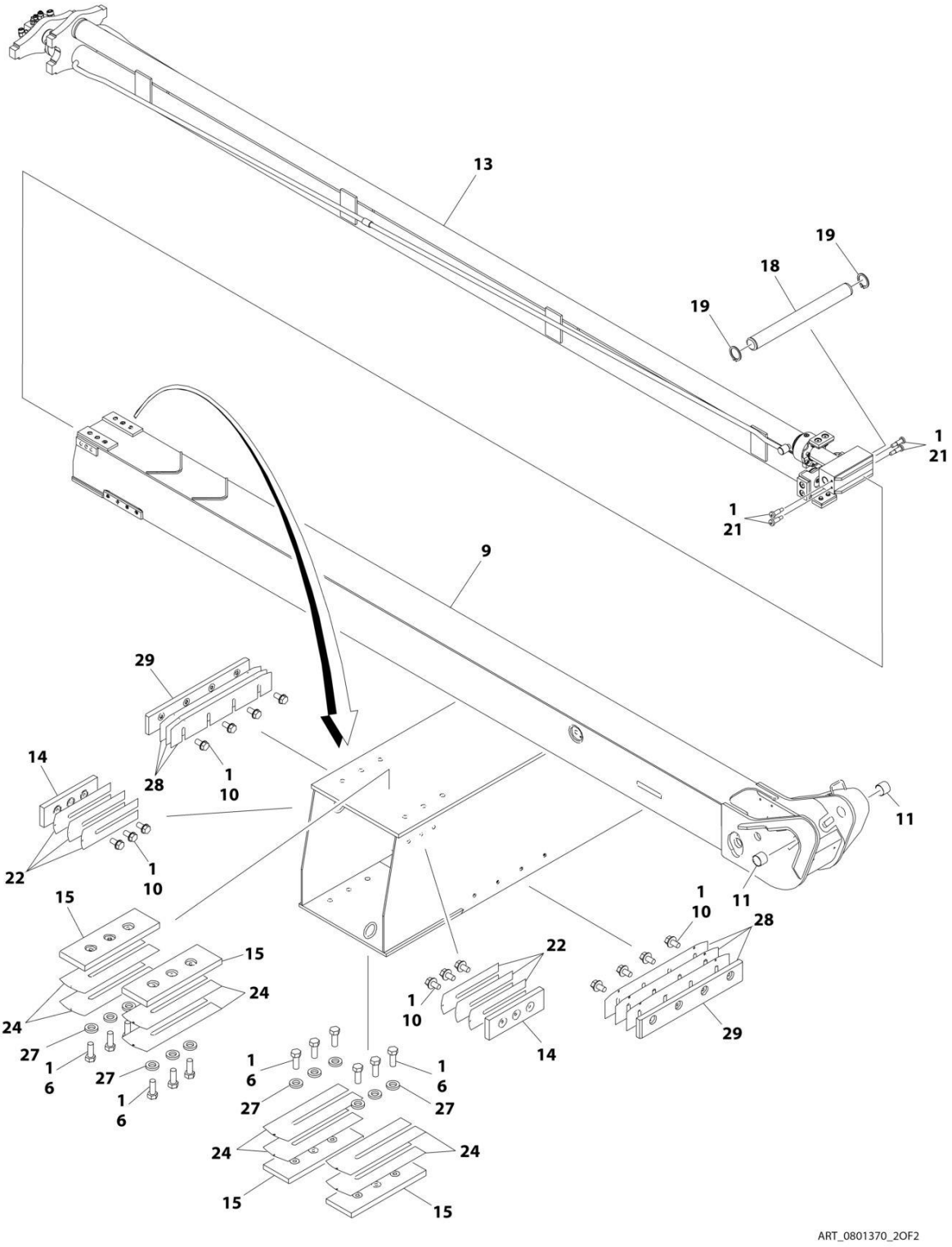
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138811 | Ref | BOOM AND CYLINDER INSTALLATION - WITH COLD WEATHER PLUS PACKAGE | I |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100019 | AR | Compound, Locking | |
| 3 | 0561380 | 2 | Rest, Boom | |
| 4 | 0561547 | 2 | Block, Clamping | |
| 5 | 0642624 | 2 | Bolt 1 x 3 | |
| 6 | 0641608 | 4 | Bolt 3/8 x 1 | |
| 7 | 0641613 | 4 | Bolt 3/8 x 1-5/8 | |
| 8 | 0642212 | 5 | Bolt 3/4 x 1-1/2 | |
| 9 | 0642616 | 1 | Bolt 1 x 2 | |
| 10 | 0682016 | 4 | Bolt 5/8 x 2 Grade 8 | |
| 11 | 0742210 | 1 | Screw 3/4 x 1-1/4 | |
| 12 | 0801370 | 1 | Tower Boom Assembly (See Separate Breakdown in this Section) | |
| 13 | 1001138812 | 1 | Main Boom Assembly (See Separate Breakdown in this Section) | |
| 14 | 1001228077 | 1 | Tower Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 15 | 1001251078 | 1 | Main Lift Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 16 | 3272001 | 1 | Nut 5/8 Grade 8 | |
| 17 | 3312602 | 1 | Nut 1 | |
| 18 | 3340927 | 1 | Pad | |
| 19 | 3422920 | 1 | Pin | |
| 20 | 3423209 | 1 | Pin, Load Sensing | |
| 21 | 3423061 | 2 | Pin | |
| 22 | 3423062 | 1 | Pin | |
| 23 | 3423063 | 1 | Pin | |
| 24 | 3423064 | 1 | Pin | |
| 25 | 3423065 | 1 | Pin | |
| 26 | 3760475 | 1 | Ring, Retaining | |
| 27 | 3841287 | 4 | Keeper, Pin | |
| 28 | 3841356 | 1 | Keeper, Pin | |
| 29 | 3841581 | 1 | Keeper, Pin | |
| 30 | 0682048 | 1 | Bolt 5/8 x 6 Grade 8 | |
| 31 | 4711600 | 8 | Washer 3/8 | |
| 32 | 3010133 | 1 | Link, Upper | |
| 32A | 0440273 | 1 | Bearing | |
| 32B | 0962297 | 2 | Bushing | |
| 33 | 3010134 | 1 | Link, Lower | |
| 33A | 0962033 | 2 | Bushing | |
| 33B | 0962122 | 2 | Bushing | |
| 34 | 4892000 | 4 | Washer 5/8 | |
| 35 | 3380547 | 1 | Deflector | |
| 36 | 4740492 | 2 | Thrustwasher | |
| 37 | 1001253593 | 1 | Switch, Pressure Transducer | |
| 38 | 1001228498 | 1 | Harness, Pressure Transducer (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 39 | 0761015 | 4 | Bolt M10 x 35 | |
| 40 | 3291007 | 4 | Nut M10 | |
| 41 | 4812000 | 4 | Washer M10 | |

# SECTION 4 - BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 42 | 1001212243 | 2 | Cable | |

**FIGURE 4-3. TOWER BOOM ASSEMBLY (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)**

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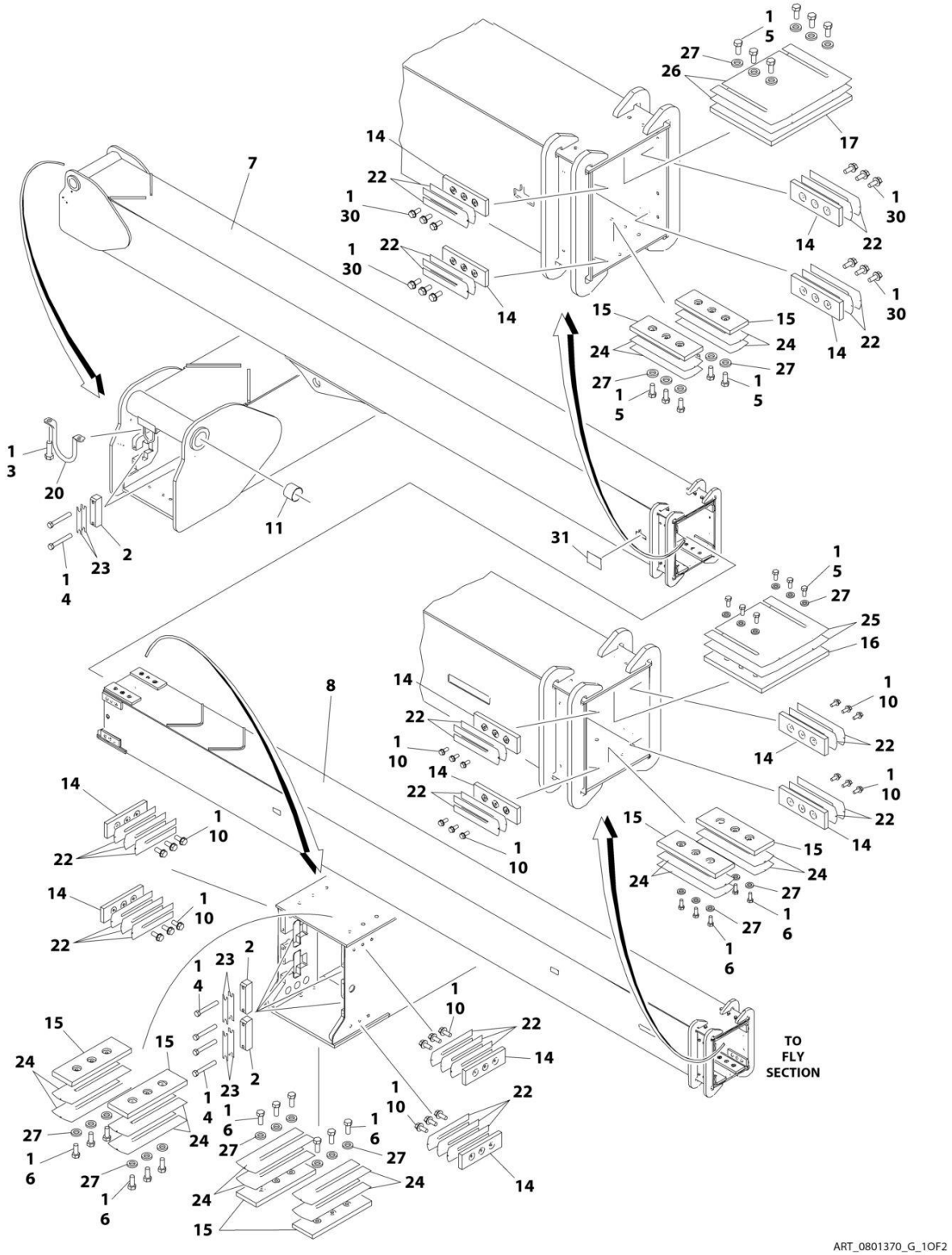
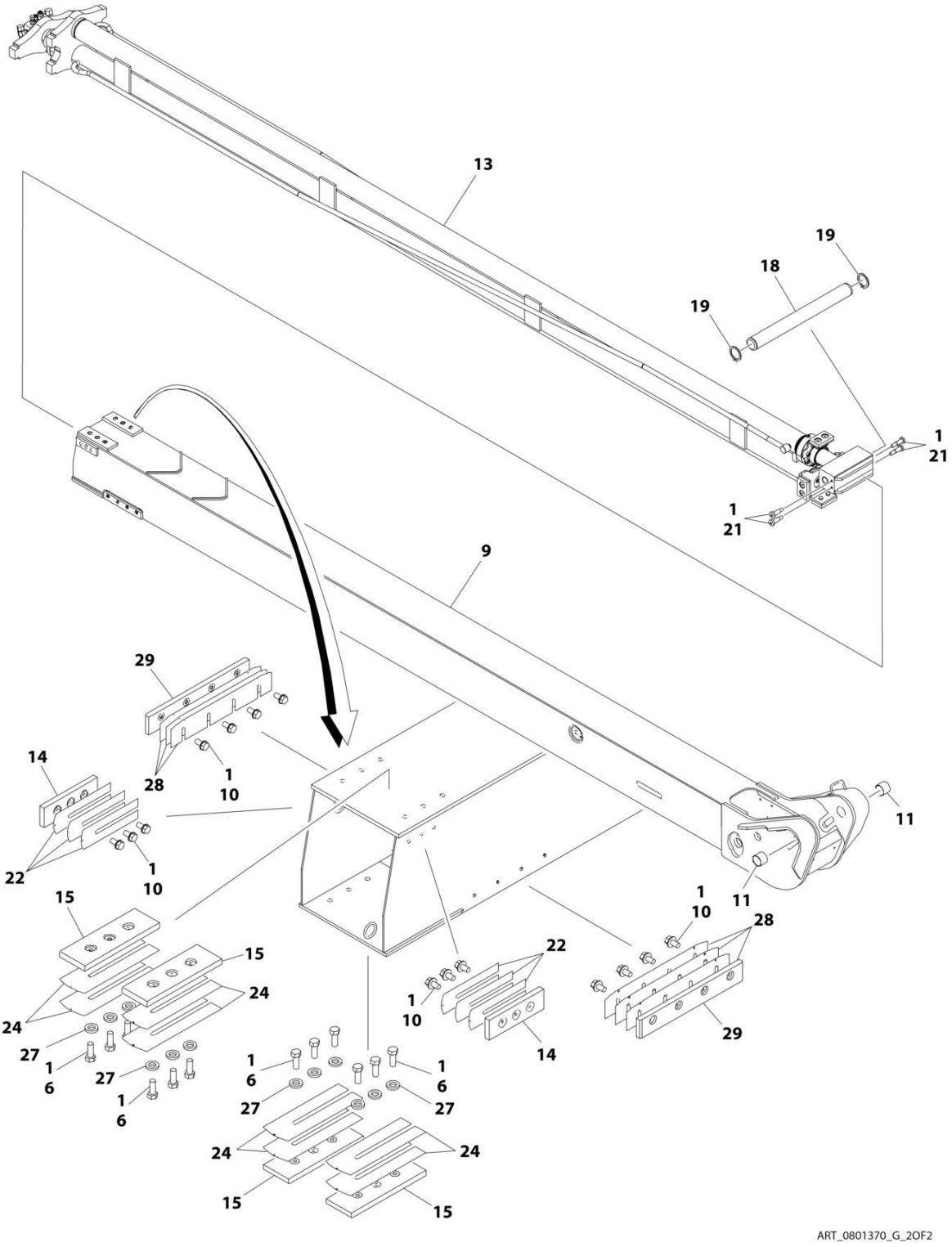
### FIGURE 4-3. TOWER BOOM ASSEMBLY (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0801370 | Ref | TOWER BOOM ASSEMBLY | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0561533 | 6 | Block, Trunnion Keeper | |
| 3 | 0641604 | 2 | Bolt 3/8 x 1/2 | |
| 4 | 0641622 | 12 | Bolt 3/8 x 2-3/4 | |
| 5 | 0641809 | 18 | Bolt 1/2 x 1-1/8 | |
| 6 | 0641810 | 30 | Bolt 1/2 x 1-1/4 | |
| 7 | 0801365 | 1 | Base, Boom | |
| 8 | 0801366 | 1 | Mid, Boom | |
| 9 | 0801367 | 1 | Fly, Boom | |
| 10 | 0811606 | 38 | Screw 3/8 x 3/4 | |
| 11 | 0962297 | 4 | Bushing | |
| 13 | 1001228032 | 1 | Tower Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION) | |
| 14 | 3340878 | 14 | Pad, Wear | |
| 15 | 3340978 | 12 | Pad, Wear | |
| 16 | 3340979 | 1 | Pad, Wear | |
| 17 | 3340980 | 1 | Pad, Wear | |
| 18 | 3423066 | 1 | Pin | |
| 19 | 3760133 | 2 | Ring, Retaining | |
| 20 | 3811340 | 1 | Loop, Hose | |
| 21 | 3900269 | 4 | Bolt 1/2 x 1 | |
| 22 | 4070864 | 34 | Shim #16 Gauge | |
| 23 | 4071031 | 12 | Shim, Trunnion Keeper | |
| 24 | 4071067 | 24 | Shim #18 Gauge | |
| 25 | 4071069 | 2 | Shim #18 Gauge | |
| 26 | 4071071 | 2 | Shim #18 Gauge | |
| 27 | 4891800 | 48 | Washer 1/2 | |
| 28 | 4071081 | 6 | Shim #18 Gauge | |
| 29 | 4700014 | 2 | Pad, Wear | |
| 30 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 31 | 1671013 | 1 | Cover | |
| 32 | 3020042 | AR | Grease (Not Shown) | |

## FIGURE 4-4. TOWER BOOM ASSEMBLY (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

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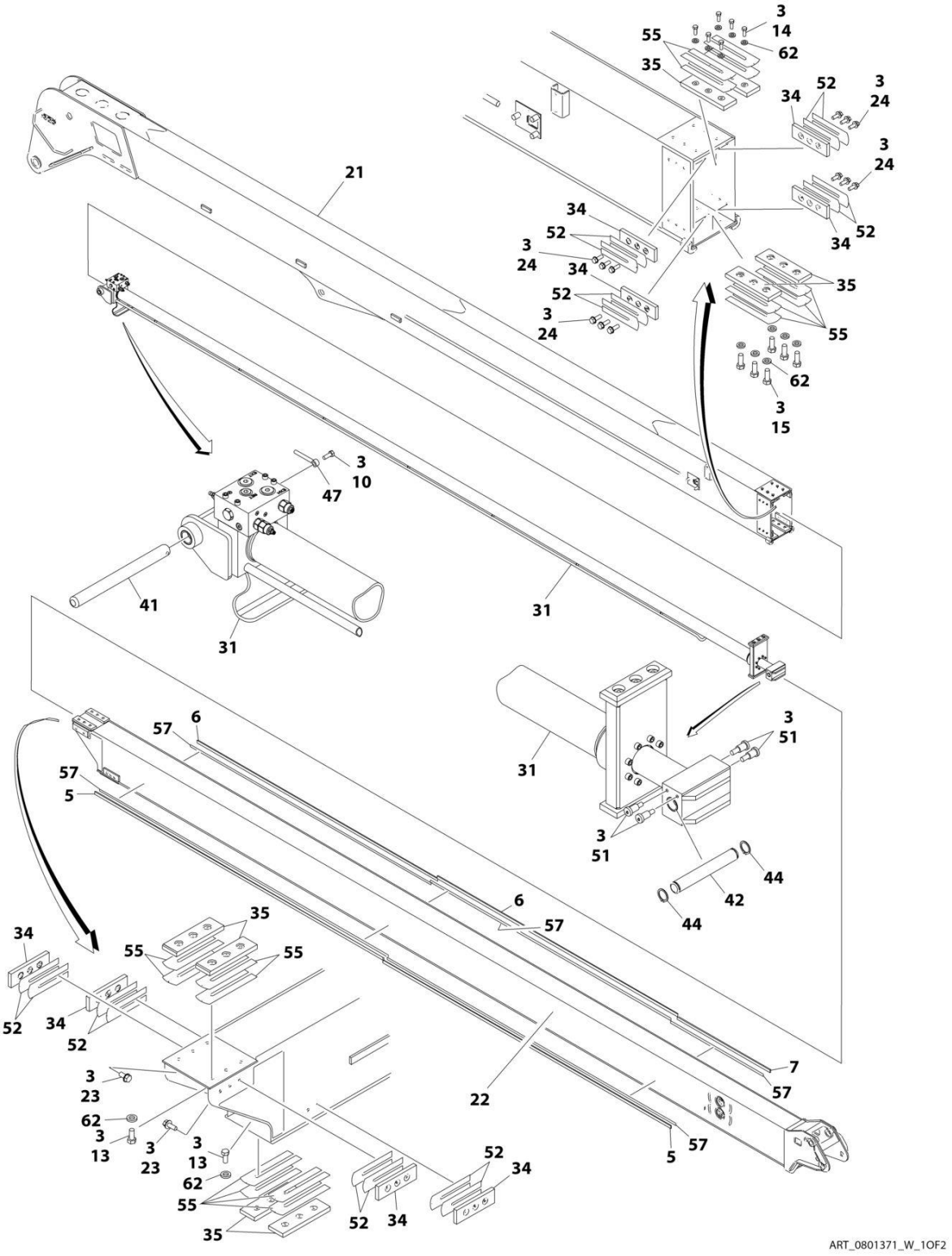
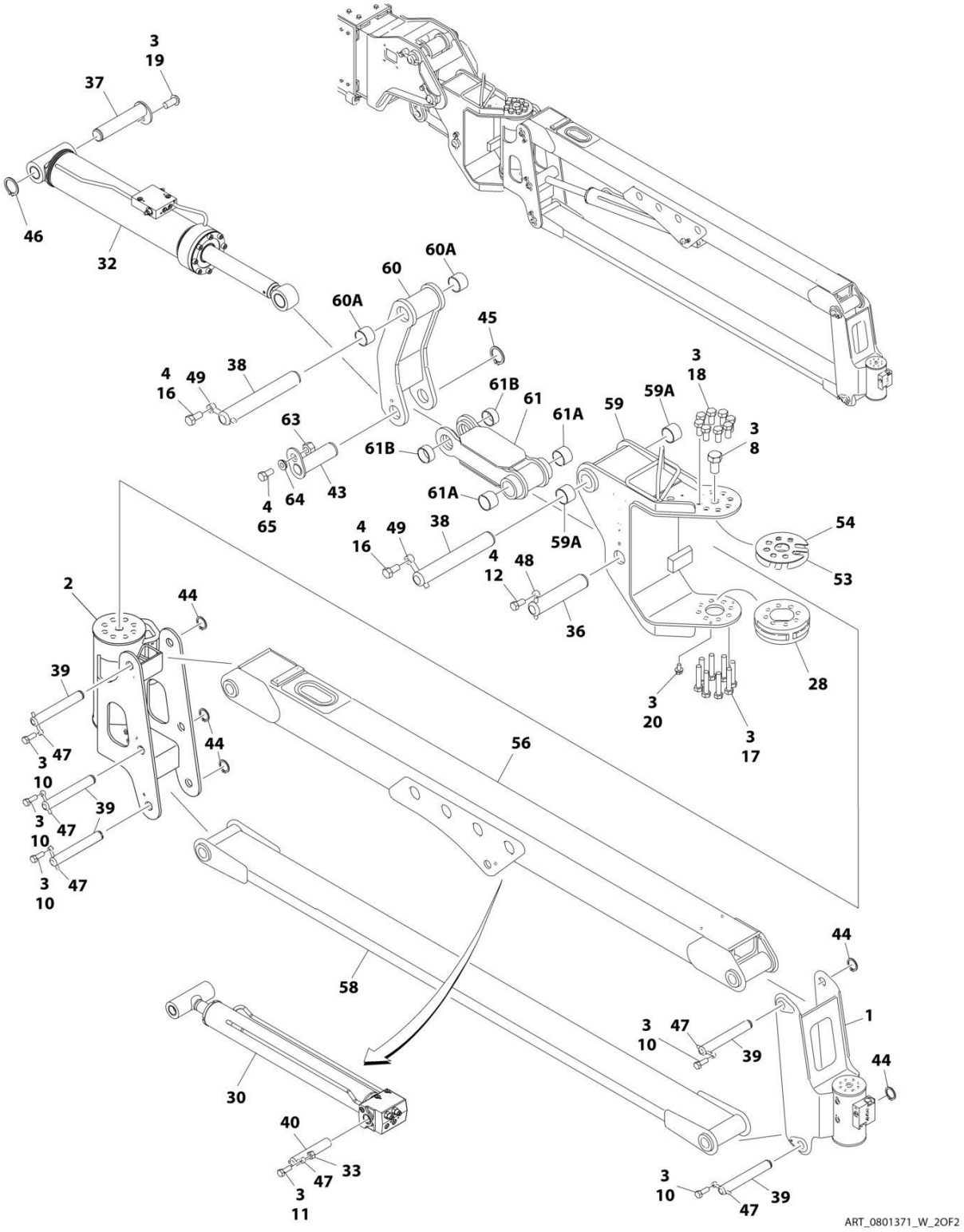
## FIGURE 4-4. TOWER BOOM ASSEMBLY (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0801370 | Ref | TOWER BOOM ASSEMBLY | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0561533 | 6 | Block, Trunnion Keeper | |
| 3 | 0641604 | 2 | Bolt 3/8 x 1/2 | |
| 4 | 0641622 | 12 | Bolt 3/8 x 2-3/4 | |
| 5 | 0641809 | 18 | Bolt 1/2 x 1-1/8 | |
| 6 | 0641810 | 30 | Bolt 1/2 x 1-1/4 | |
| 7 | 0801365 | 1 | Base, Boom | |
| 8 | 0801366 | 1 | Mid, Boom | |
| 9 | 0801367 | 1 | Fly, Boom | |
| 10 | 0811606 | 38 | Screw 3/8 x 3/4 | |
| 11 | 0962297 | 4 | Bushing | |
| 13 | 1001251032 | 1 | Tower Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER SECTION) | |
| 14 | 3340878 | 14 | Pad, Wear | |
| 15 | 3340978 | 12 | Pad, Wear | |
| 16 | 3340979 | 1 | Pad, Wear | |
| 17 | 3340980 | 1 | Pad, Wear | |
| 18 | 3423066 | 1 | Pin | |
| 19 | 3760133 | 2 | Ring, Retaining | |
| 20 | 3811340 | 1 | Loop, Hose | |
| 21 | 3900269 | 4 | Bolt 1/2 x 1 | |
| 22 | 4070864 | 34 | Shim #16 Gauge | |
| 23 | 4071031 | 12 | Shim, Trunnion Keeper | |
| 24 | 4071067 | 24 | Shim #18 Gauge | |
| 25 | 4071069 | 2 | Shim #18 Gauge | |
| 26 | 4071071 | 2 | Shim #18 Gauge | |
| 27 | 4891800 | 48 | Washer 1/2 | |
| 28 | 4071081 | 6 | Shim #18 Gauge | |
| 29 | 4700014 | 2 | Pad, Wear | |
| 30 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 31 | 1671013 | 1 | Cover | |
| 32 | 3020042 | AR | Grease (Not Shown) | |

## FIGURE 4-5. MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

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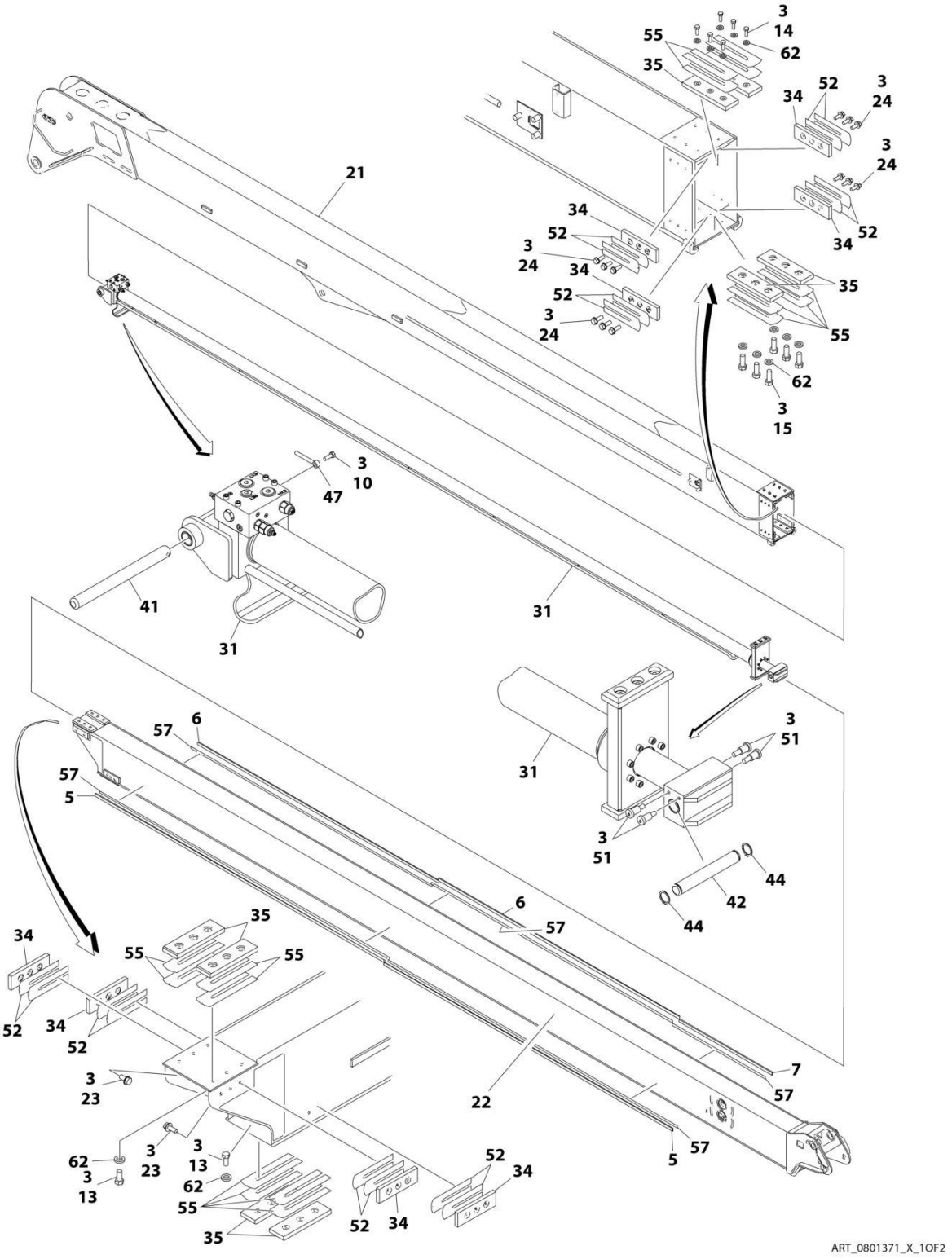
ART_0801371_W_2OF2

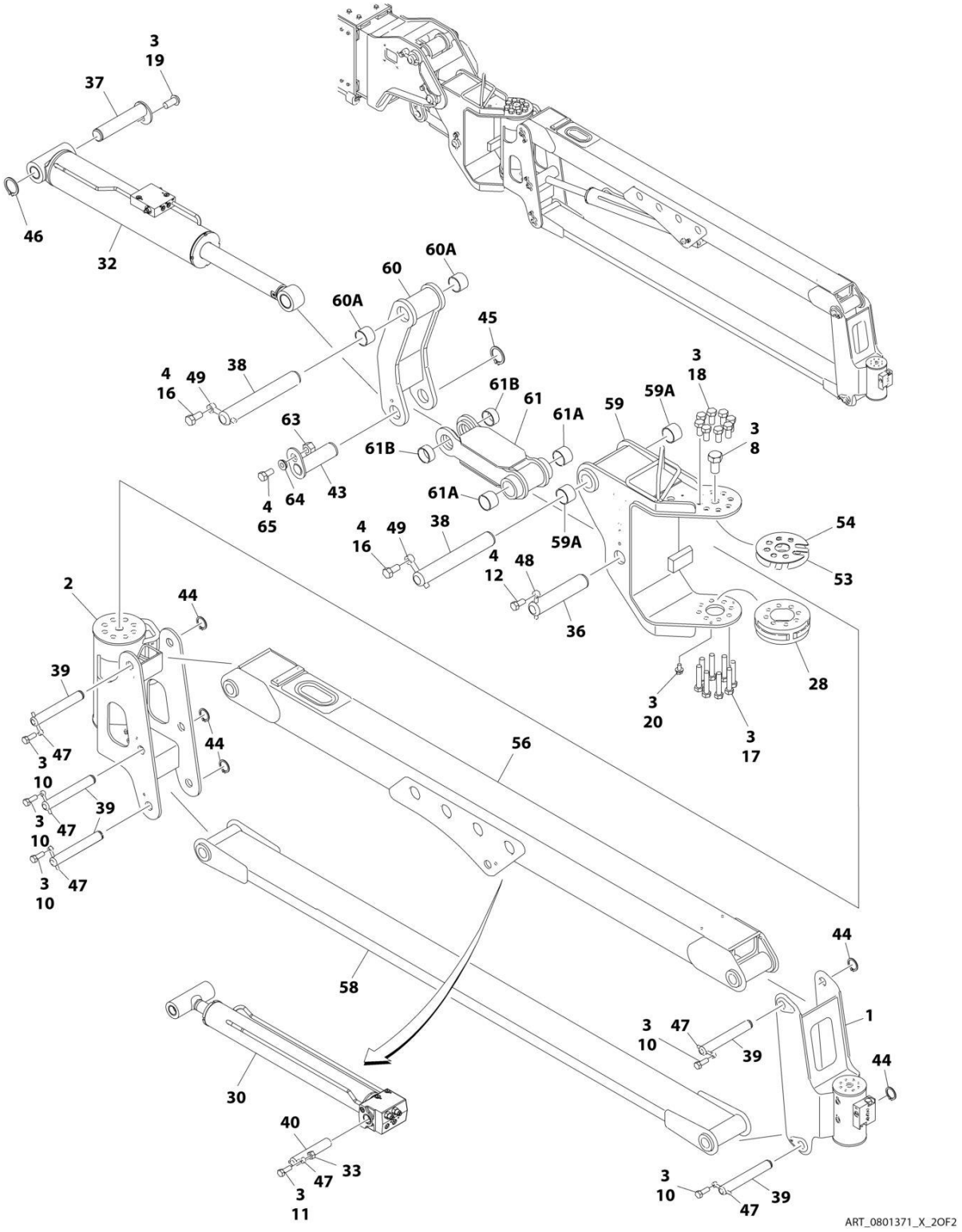
## FIGURE 4-5. MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0801371 | Ref | MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE | W |
| 1 | 1001178247 | 1 | Actuator Assembly (Platform Rotate) (See Separate Breakdown in this Section) | |
| 2 | 1001178248 | 1 | Actuator Assembly (Jib Rotate) (See Separate Breakdown in this Section) | |
| 3 | 0100011 | AR | Compound, Locking | |
| 4 | 0100019 | AR | Compound, Locking | |
| 5 | 1001106483 | 2 | Bar, Fiberglass | |
| 6 | 1001106475 | 2 | Bar, Fiberglass | |
| 7 | 1001106476 | 1 | Bar, Fiberglass | |
| 8 | 0630558 | 1 | Bolt, Special | |
| 10 | 0641607 | 6 | Bolt 3/8 x 7/8 | |
| 11 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 12 | 0641808 | 1 | Bolt 1/2 x 1-1/8 | |
| 13 | 0641809 | 12 | Bolt 1/2 x 1 | |
| 14 | 0641810 | 6 | Bolt 1/2 x 1-1/4 | |
| 15 | 0641813 | 6 | Bolt 1/2 x 1-5/8 | |
| 16 | 0642010 | 2 | Bolt 5/8 x 1-1/4 | |
| 17 | 0682028 | 8 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 18 | 0682212 | 8 | Bolt 3/4 x 1-1/2 Grade 8 | |
| 19 | 0741806 | 1 | Screw 1/2 x 3/4 | |
| 20 | 0791606 | 2 | Screw 3/8 x 3/4 | |
| 21 | 0801497 | 1 | Base, Boom | |
| 22 | 0801369 | 1 | Fly, Boom | |
| 23 | 0811606 | 12 | Screw 3/8 x 3/4 | |
| 24 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 25 | 0961951 | 8 | Bushing (Part of Items 56 & 61) | |
| 28 | 1100141 | 1 | Cam | |
| 30 | 1001251025 | 1 | Jib Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 31 | 1001228080 | 1 | Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 32 | 1001228034 | 1 | Platform Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 33 | 3311605 | 1 | Nut 3/8 | |
| 34 | 3340878 | 8 | Pad, Wear | |
| 35 | 3340974 | 8 | Pad, Wear | |
| 36 | 3422178 | 1 | Pin | |
| 37 | 3422937 | 1 | Pin | |
| 38 | 1001119899 | 2 | Pin | |
| 39 | 3422957 | 5 | Pin | |
| 40 | 3422958 | 1 | Pin | |
| 41 | 3423058 | 1 | Pin | |
| 42 | 3423059 | 1 | Pin | |
| 43 | 3423190 | 1 | Pin | |
| 44 | 3760133 | 7 | Ring, Retaining | |
| 45 | 3760217 | 1 | Ring, Retaining | |
| 46 | 3760233 | 1 | Ring, Retaining | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 47 | 3841143 | 7 | Keeper, Pin | |
| 48 | 3841203 | 1 | Keeper, Pin | |
| 49 | 3841258 | 2 | Keeper, Pin | |
| 51 | 3900259 | 4 | Bolt, Shoulder | |
| 52 | 4070864 | 16 | Shim #18 Gauge | |
| 53 | 4071044 | 1 | Shim #18 Gauge | |
| 54 | 4071045 | 1 | Shim #11 Gauge | |
| 55 | 4071073 | 16 | Shim #18 Gauge | |
| 56 | 4846482 | 1 | Link, Jib (Upper) (Includes Item 25) | |
| 57 | 4420060 | 52 ft/16m | Tape, Double-Sided | |
| 58 | 0801550 | 1 | Link, Jib (Lower) | |
| 59 | 4630006 | 1 | Pivot | |
| 59A | 0962224 | 2 | Bearing | |
| 60 | 1001200839 | 1 | Link (Upper) | |
| 60A | 0962224 | 2 | Bearing | |
| 61 | 3010136 | 1 | Link (Lower) (Includes Item 25) | |
| 61A | 0962224 | 2 | Bearing | |
| 61B | 0962556 | 2 | Bearing | |
| 62 | 4891800 | 24 | Washer 1/2 | |
| 63 | 3272001 | 1 | Nut 5/8 | |
| 64 | 4100101 | 1 | Sleeve, Pin Retainer | |
| 65 | 0682014 | 1 | Bolt 5/8 x 1-3/4 | |
| 66 | 3020042 | AR | Lube, Super (Not Shown) | |

## FIGURE 4-6. MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

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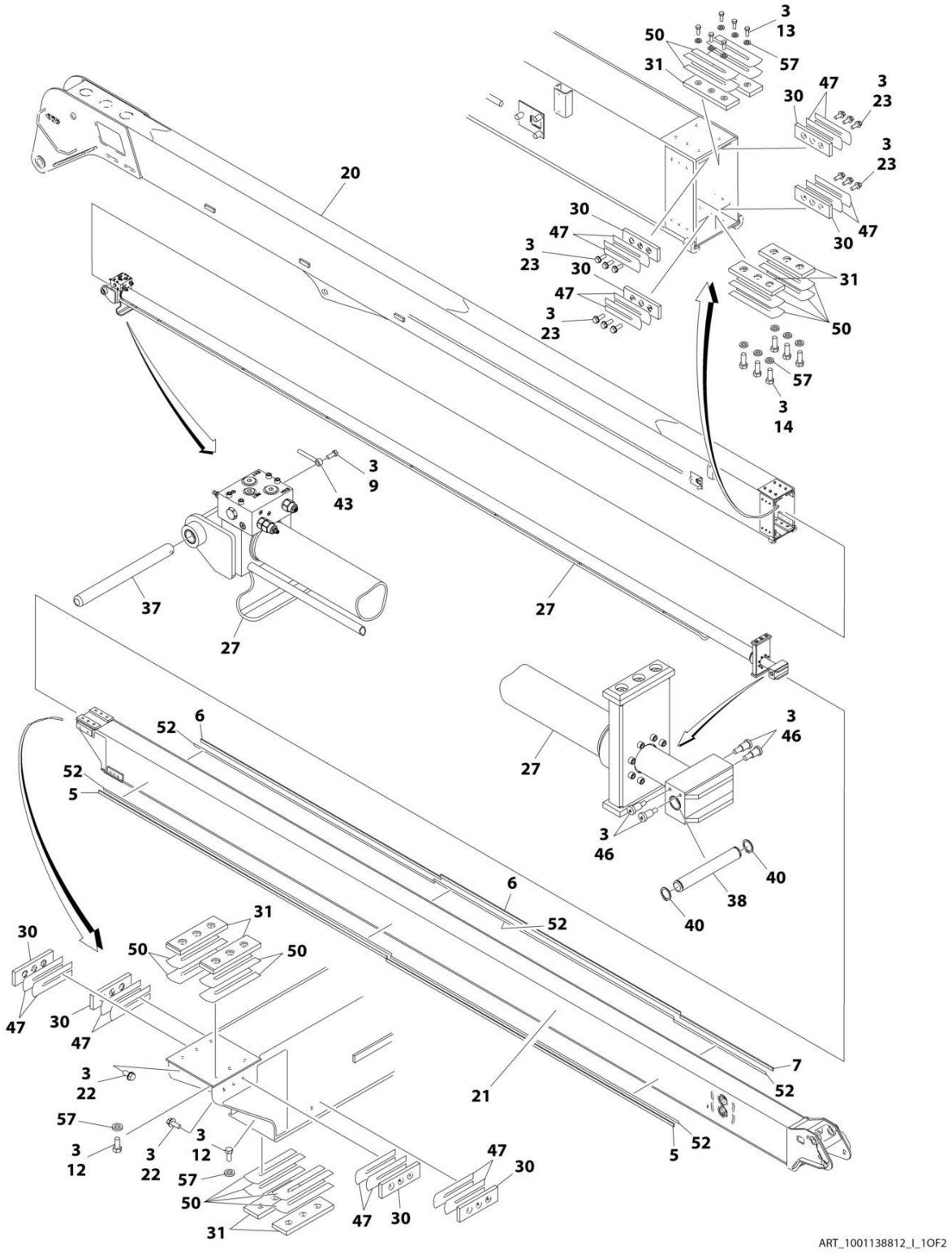
ART_0801371_X_2OF2

## FIGURE 4-6. MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0801371 | Ref | MAIN BOOM ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE | X |
| 1 | 1001178247 | 1 | Actuator Assembly (Platform Rotate) (See Separate Breakdown in this Section) | |
| 2 | 1001178248 | 1 | Actuator Assembly (Jib Rotate) (See Separate Breakdown in this Section) | |
| 3 | 0100011 | AR | Compound, Locking | |
| 4 | 0100019 | AR | Compound, Locking | |
| 5 | 1001106483 | 2 | Bar, Fiberglass | |
| 6 | 1001106475 | 2 | Bar, Fiberglass | |
| 7 | 1001106476 | 1 | Bar, Fiberglass | |
| 8 | 0630558 | 1 | Bolt, Special | |
| 10 | 0641607 | 6 | Bolt 3/8 x 7/8 | |
| 11 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 12 | 0641808 | 1 | Bolt 1/2 x 1-1/8 | |
| 13 | 0641809 | 12 | Bolt 1/2 x 1 | |
| 14 | 0641810 | 6 | Bolt 1/2 x 1-1/4 | |
| 15 | 0641813 | 6 | Bolt 1/2 x 1-5/8 | |
| 16 | 0642010 | 2 | Bolt 5/8 x 1-1/4 | |
| 17 | 0682028 | 8 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 18 | 0682212 | 8 | Bolt 3/4 x 1-1/2 Grade 8 | |
| 19 | 0741806 | 1 | Screw 1/2 x 3/4 | |
| 20 | 0791606 | 2 | Screw 3/8 x 3/4 | |
| 21 | 0801497 | 1 | Base, Boom | |
| 22 | 0801369 | 1 | Fly, Boom | |
| 23 | 0811606 | 12 | Screw 3/8 x 3/4 | |
| 24 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 28 | 1100141 | 1 | Cam | |
| 30 | 1001251025 | 1 | Jib Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 31 | 1001251080 | 1 | Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 32 | 1001251034 | 1 | Platform Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 33 | 3311605 | 1 | Nut 3/8 | |
| 34 | 3340878 | 8 | Pad, Wear | |
| 35 | 3340974 | 8 | Pad, Wear | |
| 36 | 3422178 | 1 | Pin | |
| 37 | 3422937 | 1 | Pin | |
| 38 | 1001119899 | 2 | Pin | |
| 39 | 3422957 | 5 | Pin | |
| 40 | 3422958 | 1 | Pin | |
| 41 | 3423058 | 1 | Pin | |
| 42 | 3423059 | 1 | Pin | |
| 43 | 3423190 | 1 | Pin | |
| 44 | 3760133 | 7 | Ring, Retaining | |
| 45 | 3760217 | 1 | Ring, Retaining | |
| 46 | 3760233 | 1 | Ring, Retaining | |
| 47 | 3841143 | 7 | Keeper, Pin | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 48 | 3841203 | 1 | Keeper, Pin | |
| 49 | 3841258 | 2 | Keeper, Pin | |
| 51 | 3900259 | 4 | Bolt, Shoulder | |
| 52 | 4070864 | 16 | Shim #18 Gauge | |
| 53 | 4071044 | 1 | Shim #18 Gauge | |
| 54 | 4071045 | 1 | Shim #11 Gauge | |
| 55 | 4071073 | 16 | Shim #18 Gauge | |
| 56 | 4846482 | 1 | Link, Jib (Upper) | |
| 56 | 0961951 | 4 | Bushing | |
| 57 | 4420060 | 52 ft/16m | Tape, Double-Sided | |
| 58 | 0801550 | 1 | Link, Jib (Lower) | |
| 58 | 0961951 | 4 | Bushing | |
| 59 | 4630006 | 1 | Pivot | |
| 59A | 0962224 | 2 | Bushing | |
| 60 | 1001200839 | 1 | Link (Upper) | |
| 60A | 0962224 | 2 | Bushing | |
| 61 | 3010136 | 1 | Link (Lower) | |
| 61A | 0962224 | 2 | Bushing | |
| 61B | 0962556 | 2 | Bushing | |
| 62 | 4891800 | 24 | Washer 1/2 | |
| 63 | 3272001 | 1 | Nut 5/8 | |
| 64 | 4100101 | 1 | Sleeve, Pin Retainer | |
| 65 | 0682014 | 1 | Bolt 5/8 x 1-3/4 | |
| 66 | 3020042 | AR | Lube, Super (Not Shown) | |

## FIGURE 4-7. MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

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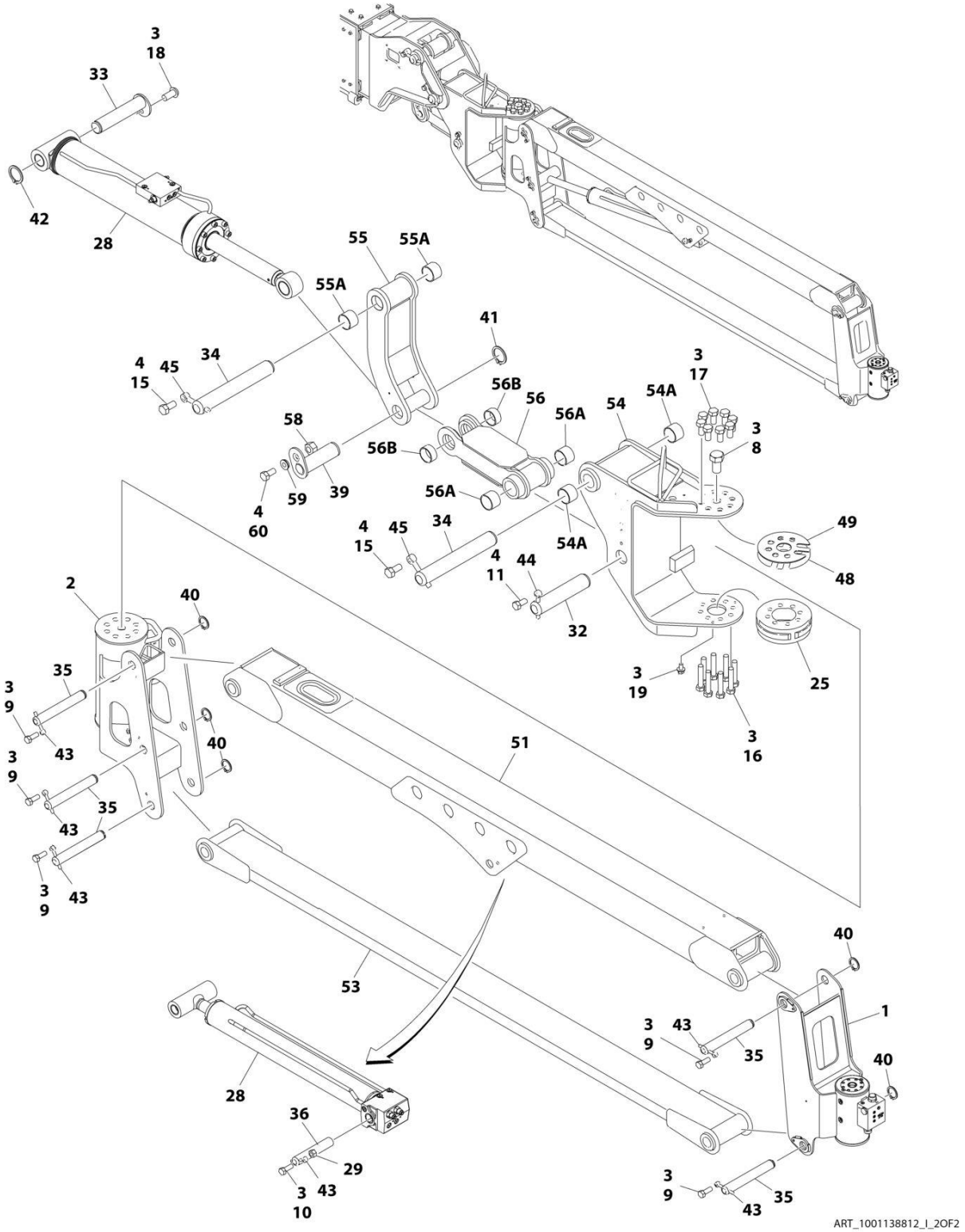
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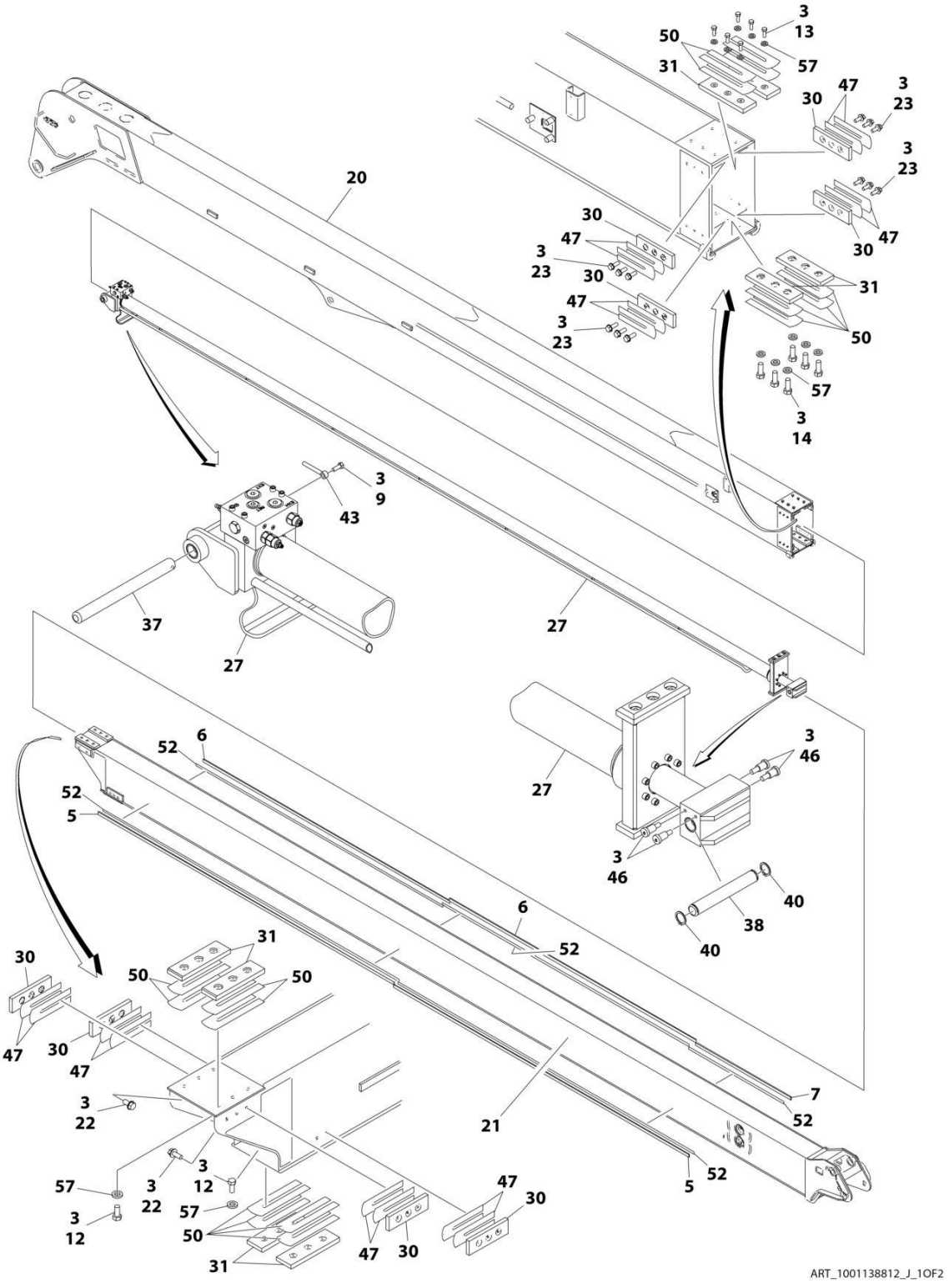
ART_1001138812_I_2OF2

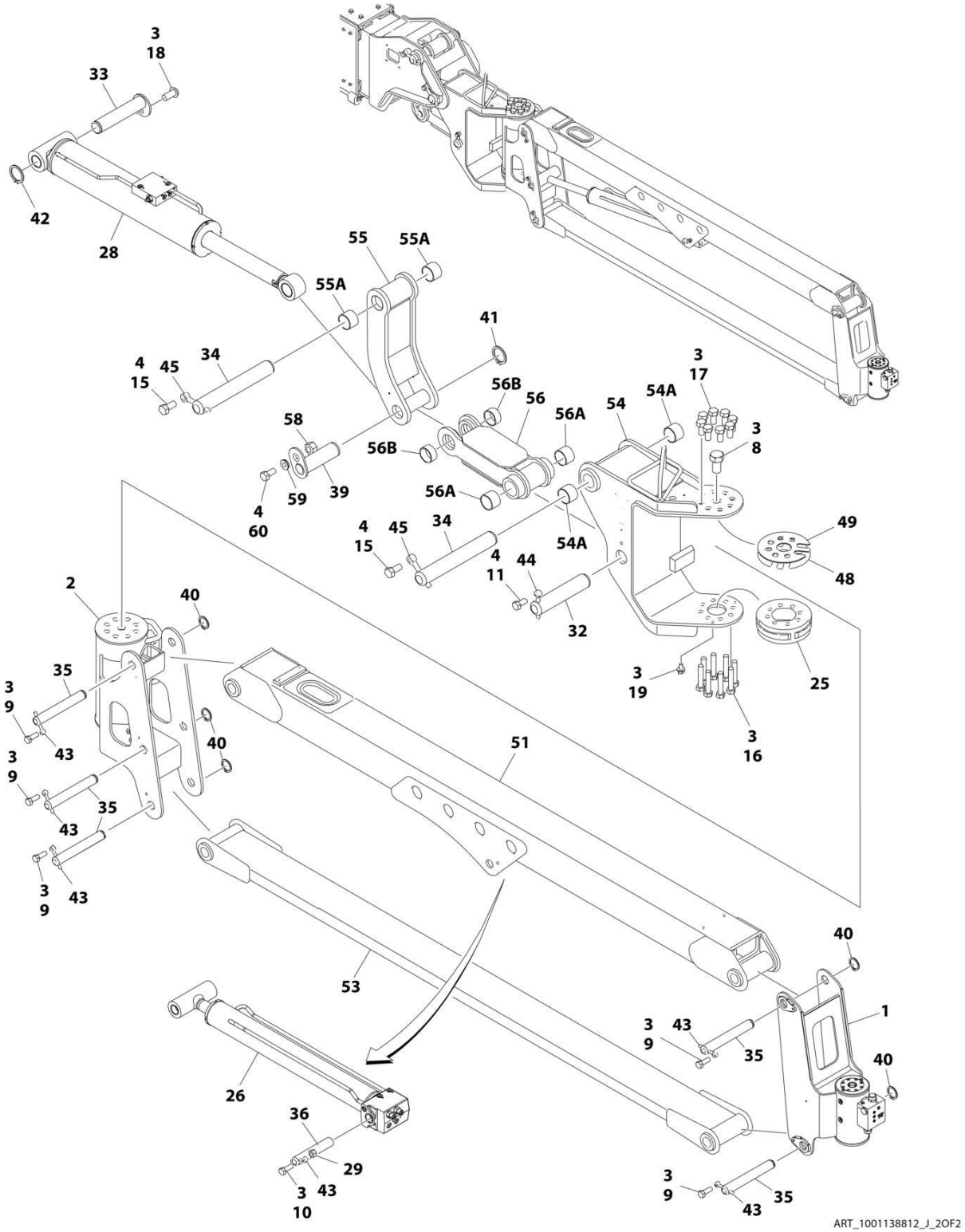
## FIGURE 4-7. MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138812 | Ref | MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE | I |
| 1 | 1001178247 | 1 | Actuator Assembly (Platform Rotate) (See Separate Breakdown in this Section) | |
| 2 | 1001178248 | 1 | Actuator Assembly (Jib Rotate) (See Separate Breakdown in this Section) | |
| 3 | 0100011 | AR | Compound, Locking | |
| 4 | 0100019 | AR | Compound, Locking | |
| 5 | 1001106483 | 2 | Bar, Fiberglass | |
| 6 | 1001106475 | 2 | Bar, Fiberglass | |
| 7 | 1001106476 | 1 | Bar, Fiberglass | |
| 8 | 0630558 | 1 | Bolt, Special | |
| 9 | 0641607 | 6 | Bolt 3/8 x 7/8 | |
| 10 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | 1 | Bolt 1/2 x 1-1/8 | |
| 12 | 0641809 | 12 | Bolt 1/2 x 1 | |
| 13 | 0641810 | 6 | Bolt 1/2 x 1-1/4 | |
| 14 | 0641813 | 6 | Bolt 1/2 x 1-5/8 | |
| 15 | 0642010 | 2 | Bolt 5/8 x 1-1/4 | |
| 16 | 0682028 | 8 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 17 | 0682212 | 8 | Bolt 3/4 x 1-1/2 Grade 8 | |
| 18 | 0741806 | 1 | Screw 1/2 x 3/4 | |
| 19 | 0791606 | 2 | Screw 3/8 x 3/4 | |
| 20 | 0801497 | 1 | Base, Boom | |
| 21 | 0801369 | 1 | Fly, Boom | |
| 22 | 0811606 | 12 | Screw 3/8 x 3/4 | |
| 23 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 24 | 0961951 | 8 | Bushing (Part of Items 51 & 53) | |
| 25 | 1100141 | 1 | Cam | |
| 26 | 1001251025 | 1 | Jib Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 27 | 1001228080 | 1 | Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 28 | 1001228034 | 1 | Platform Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 29 | 3311605 | 1 | Nut 3/8 | |
| 30 | 3340878 | 8 | Pad, Wear | |
| 31 | 3340974 | 8 | Pad, Wear | |
| 32 | 3422178 | 1 | Pin | |
| 33 | 3422937 | 1 | Pin | |
| 34 | 1001119899 | 2 | Pin | |
| 35 | 3422957 | 5 | Pin | |
| 36 | 3422958 | 1 | Pin | |
| 37 | 3423058 | 1 | Pin | |
| 38 | 3423059 | 1 | Pin | |
| 39 | 3423190 | 1 | Pin | |
| 40 | 3760133 | 7 | Ring, Retaining | |
| 41 | 3760217 | 1 | Ring, Retaining | |
| 42 | 3760233 | 1 | Ring, Retaining | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 43 | 3841143 | 7 | Keeper, Pin | |
| 44 | 3841203 | 1 | Keeper, Pin | |
| 45 | 3841258 | 2 | Keeper, Pin | |
| 46 | 3900259 | 4 | Bolt, Shoulder | |
| 47 | 4070864 | 16 | Shim #18 Gauge | |
| 48 | 4071044 | 1 | Shim #18 Gauge | |
| 49 | 4071045 | 1 | Shim #11 Gauge | |
| 50 | 4071073 | 16 | Shim #18 Gauge | |
| 51 | 4846482 | 1 | Link, Jib (Upper) (Includes Item 24) | |
| 52 | 4420060 | 52 ft/16m | Tape, Double-Sided | |
| 53 | 0801550 | 1 | Link, Jib (Lower) (Includes Item 24) | |
| 54 | 4630006 | 1 | Pivot | |
| 54A | 0962224 | 2 | Bearing | |
| 55 | 1001200839 | 1 | Link (Upper) | |
| 55A | 0962224 | 2 | Bearing | |
| 56 | 3010136 | 1 | Link (Lower) | |
| 56A | 0962224 | 2 | Bearing | |
| 56B | 0962556 | 2 | Bearing | |
| 57 | 4891800 | 24 | Washer 1/2 | |
| 58 | 3272001 | 1 | Nut 5/8 | |
| 59 | 4100101 | 1 | Sleeve, Pin Retainer | |
| 60 | 0682014 | 1 | Bolt 5/8 x 1-3/4 | |
| 61 | 3020042 | AR | Lube, Super (Not Shown) | |

**FIGURE 4-8. MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)**

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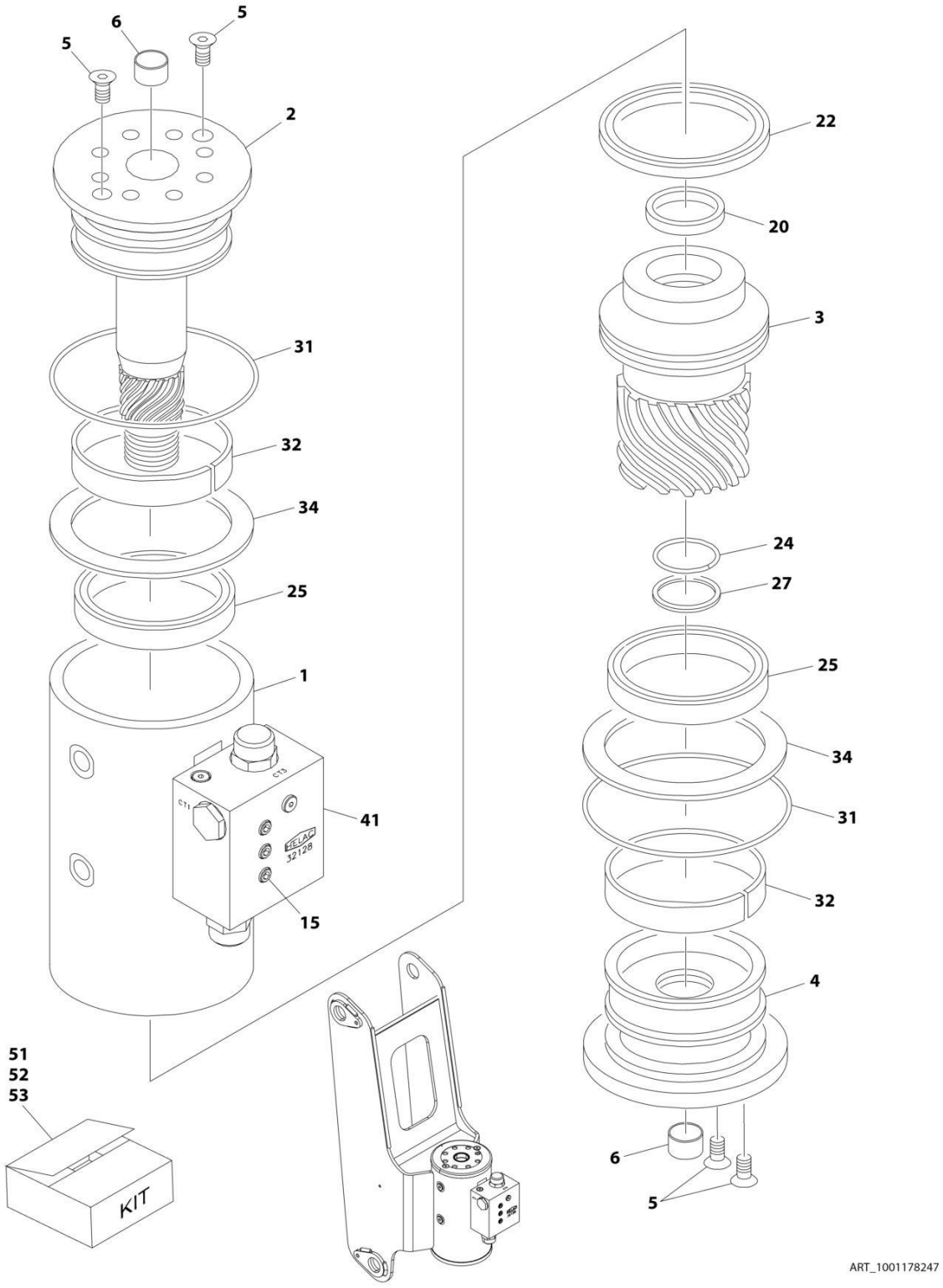
ART_1001138812_J_2OF2

## FIGURE 4-8. MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138812 | Ref | MAIN BOOM ASSEMBLY - WITH COLD WEATHER PLUS PACKAGE | J |
| 1 | 1001178247 | 1 | Actuator Assembly (Platform Rotate) (See Separate Breakdown in this Section) | |
| 2 | 1001178248 | 1 | Actuator Assembly (Jib Rotate) (See Separate Breakdown in this Section) | |
| 3 | 0100011 | AR | Compound, Locking | |
| 4 | 0100019 | AR | Compound, Locking | |
| 5 | 1001106483 | 2 | Bar, Fiberglass | |
| 6 | 1001106475 | 2 | Bar, Fiberglass | |
| 7 | 1001106476 | 1 | Bar, Fiberglass | |
| 8 | 0630558 | 1 | Bolt, Special | |
| 9 | 0641607 | 6 | Bolt 3/8 x 7/8 | |
| 10 | 0641610 | 1 | Bolt 3/8 x 1-1/4 | |
| 11 | 0641808 | 1 | Bolt 1/2 x 1-1/8 | |
| 12 | 0641809 | 12 | Bolt 1/2 x 1 | |
| 13 | 0641810 | 6 | Bolt 1/2 x 1-1/4 | |
| 14 | 0641813 | 6 | Bolt 1/2 x 1-5/8 | |
| 15 | 0642010 | 2 | Bolt 5/8 x 1-1/4 | |
| 16 | 0682028 | 8 | Bolt 5/8 x 3-1/2 Grade 8 | |
| 17 | 0682212 | 8 | Bolt 3/4 x 1-1/2 Grade 8 | |
| 18 | 0741806 | 1 | Screw 1/2 x 3/4 | |
| 19 | 0791606 | 2 | Screw 3/8 x 3/4 | |
| 20 | 0801497 | 1 | Base, Boom | |
| 21 | 0801369 | 1 | Fly, Boom | |
| 22 | 0811606 | 12 | Screw 3/8 x 3/4 | |
| 23 | 0811607 | 12 | Screw 3/8 x 7/8 | |
| 25 | 1100141 | 1 | Cam | |
| 26 | 1001251025 | 1 | Jib Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 27 | 1001251080 | 1 | Telescope Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 28 | 1001251034 | 1 | Platform Level Cylinder Assembly (See Separate Breakdown in CYLINDER Section) | |
| 29 | 3311605 | 1 | Nut 3/8 | |
| 30 | 3340878 | 8 | Pad, Wear | |
| 31 | 3340974 | 8 | Pad, Wear | |
| 32 | 3422178 | 1 | Pin | |
| 33 | 3422937 | 1 | Pin | |
| 34 | 1001119899 | 2 | Pin | |
| 35 | 3422957 | 5 | Pin | |
| 36 | 3422958 | 1 | Pin | |
| 37 | 3423058 | 1 | Pin | |
| 38 | 3423059 | 1 | Pin | |
| 39 | 3423190 | 1 | Pin | |
| 40 | 3760133 | 7 | Ring, Retaining | |
| 41 | 3760217 | 1 | Ring, Retaining | |
| 42 | 3760233 | 1 | Ring, Retaining | |
| 43 | 3841143 | 7 | Keeper, Pin | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 44 | 3841203 | 1 | Keeper, Pin | |
| 45 | 3841258 | 2 | Keeper, Pin | |
| 46 | 3900259 | 4 | Bolt, Shoulder | |
| 47 | 4070864 | 16 | Shim #18 Gauge | |
| 48 | 4071044 | 1 | Shim #18 Gauge | |
| 49 | 4071045 | 1 | Shim #11 Gauge | |
| 50 | 4071073 | 16 | Shim #18 Gauge | |
| 51 | 4846482 | 1 | Link, Jib (Upper) | |
| 51 | 0961951 | 1 | Bushing | |
| 52 | 4420060 | 52 ft/16m | Tape, Double-Sided | |
| 53 | 0801550 | 1 | Link, Jib (Lower) | |
| 53 | 0961951 | 1 | Bushing | |
| 54 | 4630006 | 1 | Pivot | |
| 54A | 0962224 | 2 | Bushing | |
| 55 | 1001200839 | 1 | Link (Upper) | |
| 55A | 0962224 | 2 | Bushing | |
| 56 | 3010136 | 1 | Link (Lower) | |
| 56A | 0962224 | 2 | Bushing | |
| 56B | 0962556 | 2 | Bushing | |
| 57 | 4891800 | 24 | Washer 1/2 | |
| 58 | 3272001 | 1 | Nut 5/8 | |
| 59 | 4100101 | 1 | Sleeve, Pin Retainer | |
| 60 | 0682014 | 1 | Bolt 5/8 x 1-3/4 | |
| 61 | 3020042 | AR | Lube, Super (Not Shown) | |

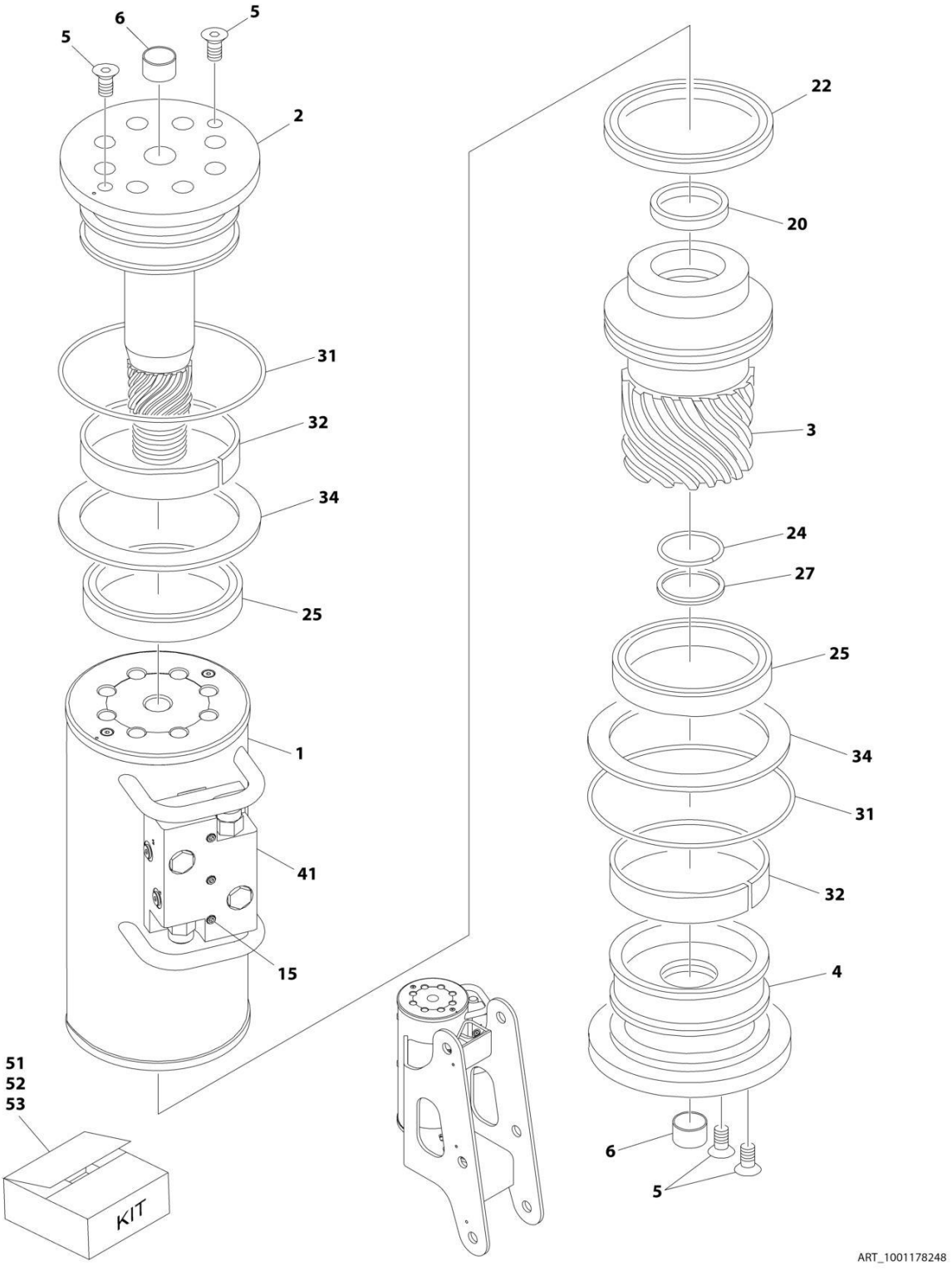
## FIGURE 4-9. PLATFORM ROTATE ASSEMBLY



## FIGURE 4-9. PLATFORM ROTATE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001178247 | Ref | PLATFORM ROTATE ASSEMBLY | A |
| 1 | See Note | NSS | Case/Bracket Weldment (Note: Not Available - Purchase Complete Assembly) | |
| 2 | 7017162 | 1 | Shaft | |
| 3 | 7017163 | 1 | Sleeve, Piston | |
| 4 | 7017164 | 1 | Cap, End | |
| 5 | See Note | AR | Screw (Note: See Item 53 for Replacement) | |
| 5 | See Note | AR | Dowel Pin (Note: See Item 53 for Replacement) | |
| 6 | 7017195 | 2 | Bushing | |
| 15 | See Note | NSS | Capscrew 1/4 x 1-1/2 Grade 8 (Note: Not Available for Purchase) | |
| 20 | See Note | 1 | Seal, Rod (Note: See Item 51 for Replacement Options) | |
| 22 | See Note | 1 | Seal, Piston (Note: See Item 51 for Replacement Options) | |
| 24 | See Note | 1 | Seal, Cap (Note: See Item 51 for Replacement Options) | |
| 25 | See Note | 2 | Packing, Bearing (Note: See Item 51 for Replacement Options) | |
| 27 | See Note | 1 | Ring, Cap Back-up (Note: See Item 51 for Replacement Options) | |
| 31 | See Note | 2 | Seal (Note: See Item 51 for Replacement Options) | |
| 32 | See Note | 2 | Bearing, Shaft (Note: See Item 52 for Replacement) | |
| 34 | See Note | 2 | Thrustwasher (Note: See Item 52 for Replacement) | |
| 41 | 70001639 | 1 | Motion Control Valve Assembly (Cartridges not serviced separately) | |
| 51 | 70000342 | 1 | Seal Kit (Includes Items 20, 22, 24, 25, 27 & 31) | |
| 52 | 7017159 | 1 | Bearing Kit (Includes Items 32 & 34) | |
| 53 | 7017142 | 1 | Hardware Kit (Includes Item 5 and Plugs) | |

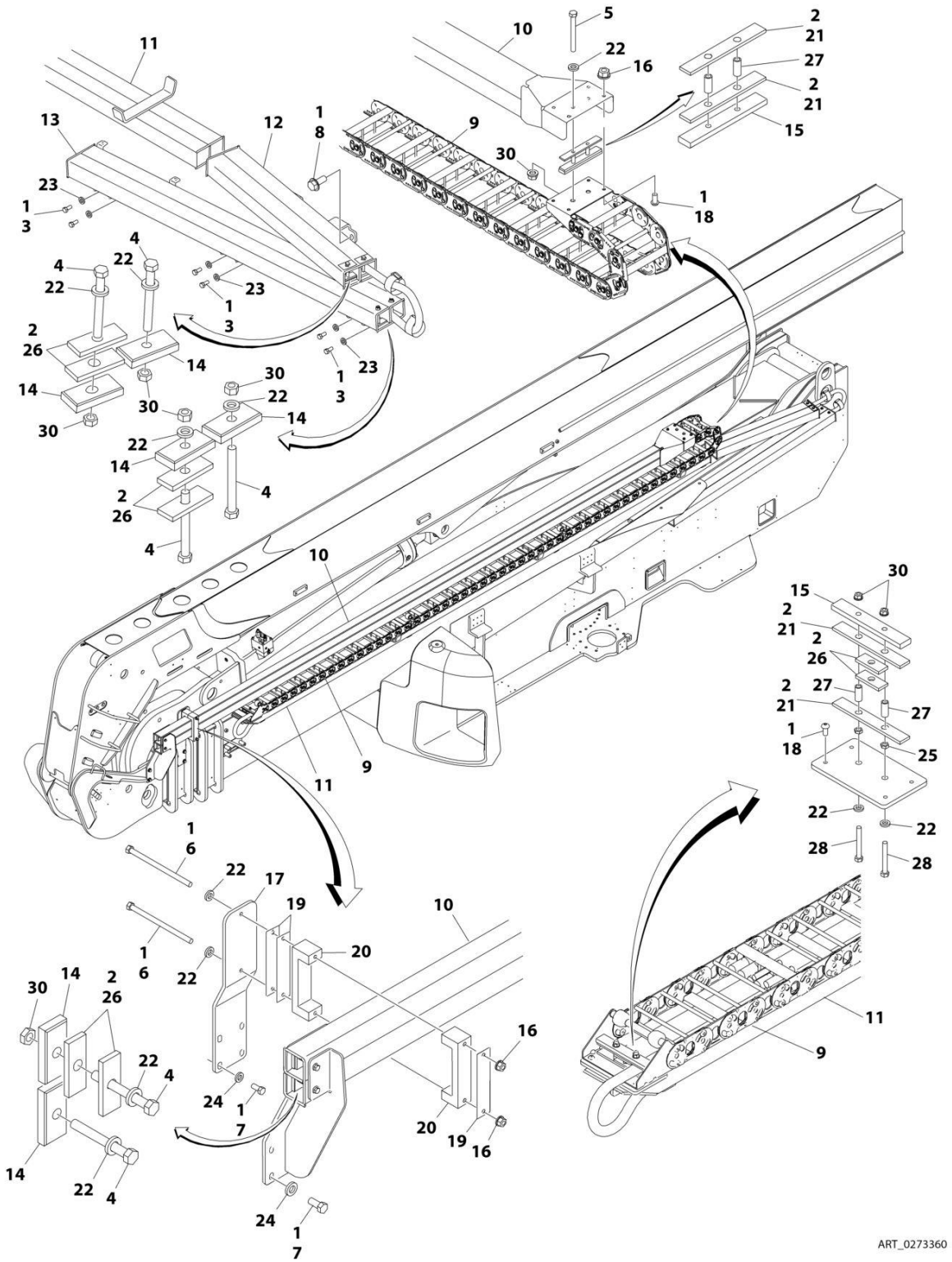
## FIGURE 4-10. JIB ROTATE ASSEMBLY



## FIGURE 4-10. JIB ROTATE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001178248 | Ref | JIB ROTATE ASSEMBLY | A |
| 1 | See Note | NSS | Case/Bracket Weldment (Note: Not Available - Purchase Complete Assembly) | |
| 2 | 7017162 | 1 | Shaft | |
| 3 | 7017163 | 1 | Sleeve, Piston | |
| 4 | 7017164 | 1 | Cap, End | |
| 5 | See Note | AR | Screw (Note: See Item 53 for Replacement) | |
| 5 | See Note | AR | Dowel Pin (Note: See Item 53 for Replacement) | |
| 6 | 7017195 | 2 | Bushing | |
| 15 | See Note | NSS | Capscrew 1/4 x 1-1/2 Grade 8 (Note: Not Available for Purchase) | |
| 20 | See Note | 1 | Seal, Rod (Note: See Item 51 for Replacement Options) | |
| 22 | See Note | 1 | Seal, Piston (Note: See Item 51 for Replacement Options) | |
| 24 | See Note | 1 | Seal, Cap (Note: See Item 51 for Replacement Options) | |
| 25 | See Note | 2 | Packing, Bearing (Note: See Item 51 for Replacement Options) | |
| 27 | See Note | 1 | Ring, Cap Back-up (Note: See Item 51 for Replacement Options) | |
| 31 | See Note | 2 | Seal (Note: See Item 51 for Replacement Options) | |
| 32 | See Note | 2 | Bearing, Shaft (Note: See Item 52 for Replacement) | |
| 34 | See Note | 2 | Thrustwasher (Note: See Item 52 for Replacement) | |
| 41 | 70002859 | 1 | Motion Control Valve Assembly (Cartridges not serviced separately) | |
| 51 | 70000796 | 1 | Seal Kit (Includes Items 20, 22, 24, 25, 27 & 31) | |
| 52 | 7017185 | 1 | Bearing Kit (Includes Items 32 & 34) | |
| 53 | 70001640 | 1 | Hardware Kit (Includes Item 5 and Plugs) | |

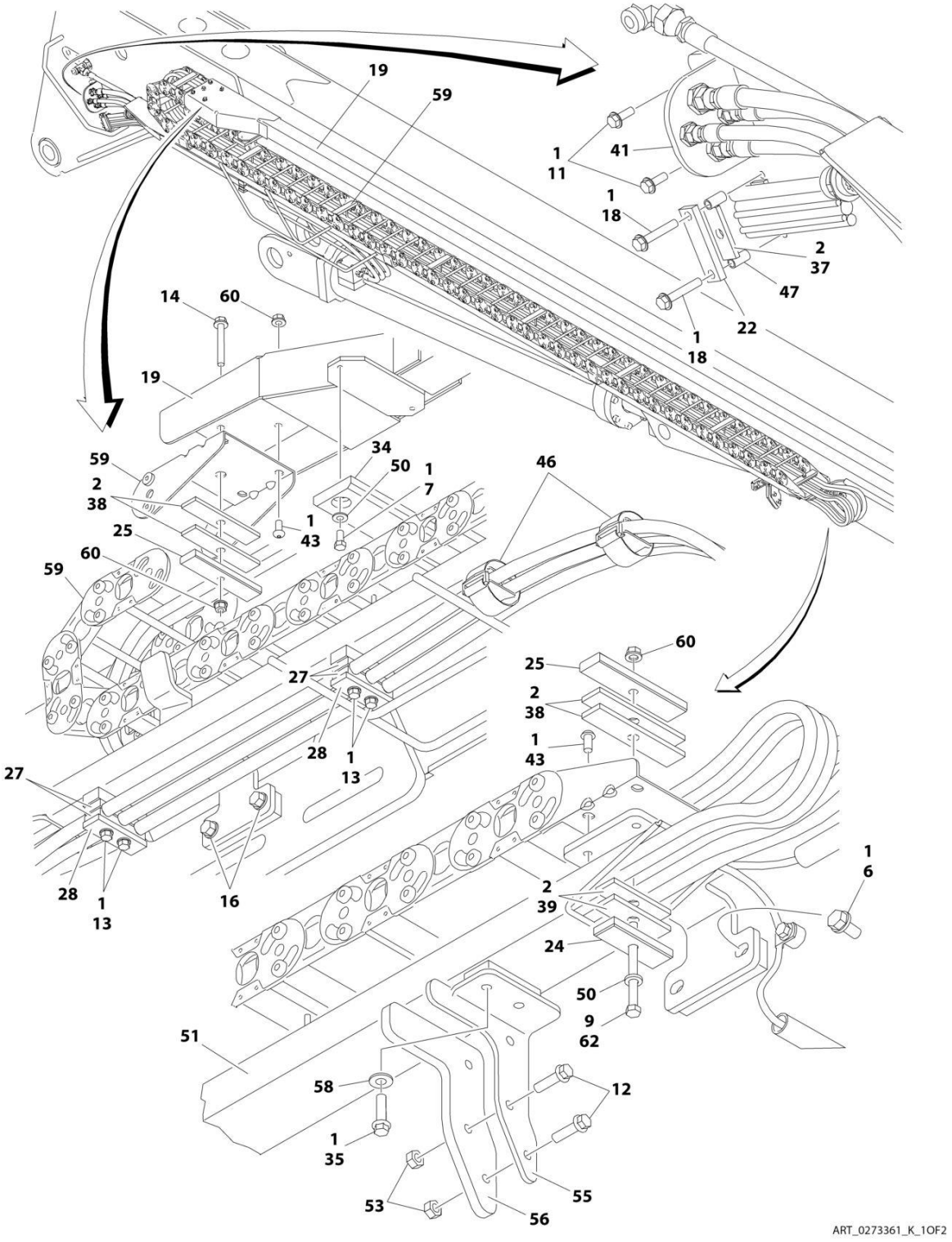
## FIGURE 4-11. POWER TRACK AND BOOM CLAMPS INSTALLATION (TOWER BOOM)

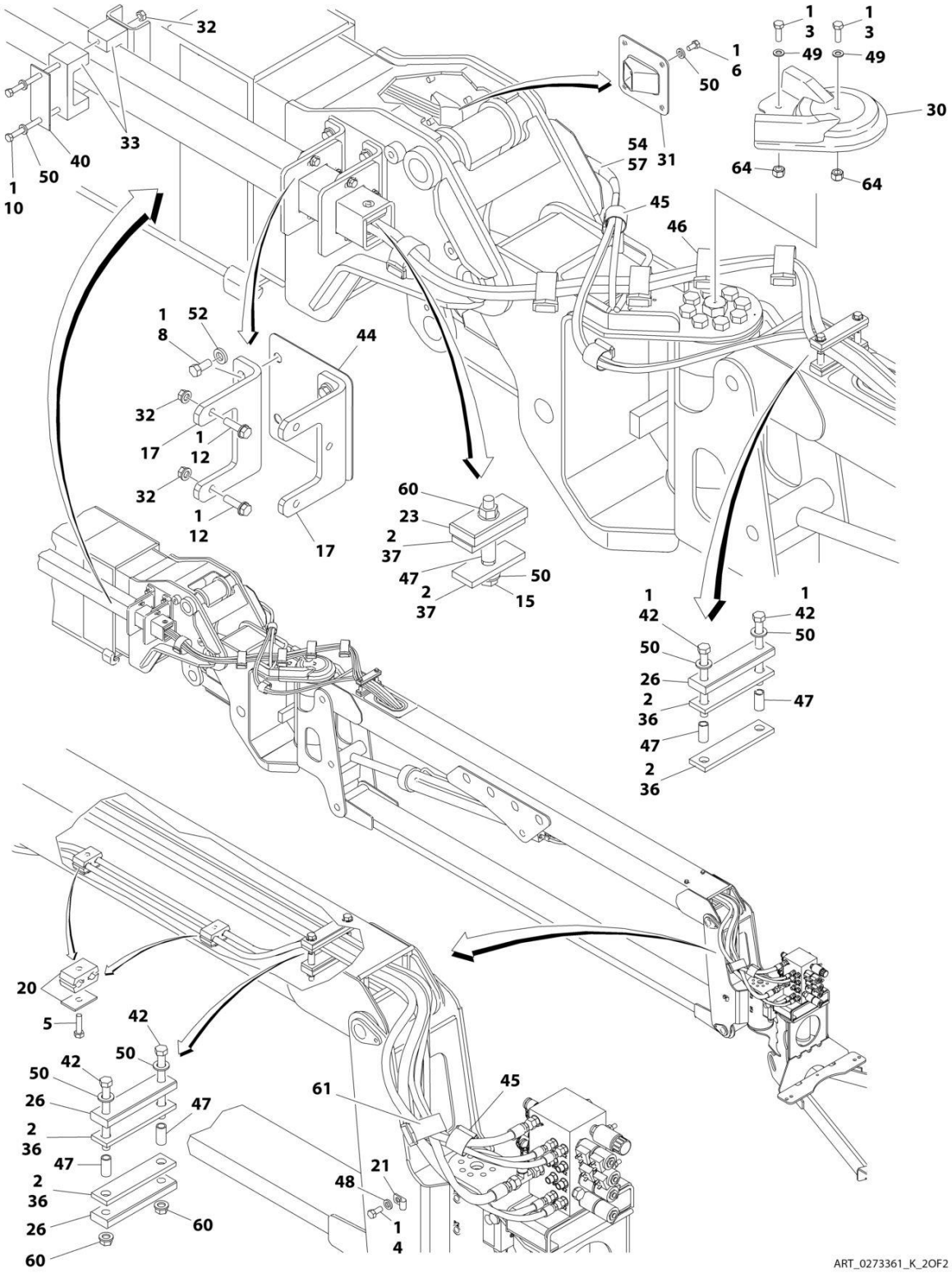


## FIGURE 4-11. POWER TRACK AND BOOM CLAMPS INSTALLATION (TOWER BOOM)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273360 | Ref | POWER TRACK AND BOOM CLAMPS INSTALLATION (TOWER BOOM) | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100081 | AR | Adhesive #454 | |
| 3 | 0641606 | 6 | Bolt 3/8 x 3/4 | |
| 4 | 0641628 | 6 | Bolt 3/8 x 3-1/2 | |
| 5 | 0630539 | 2 | Bolt 3/8 x 3-1/2 | |
| 6 | 0641652 | 2 | Bolt 3/8 x 6-1/2 | |
| 7 | 0641809 | 8 | Bolt 1/2 x 1-1/8 | |
| 8 | 0791808 | 12 | Screw 1/2 x 1 | |
| 9 | 1001131730 | 1 | Power Track, Tower Hose | |
| 9 | 70003919 | AR | Repair Section Kit (Includes Inner and Outer Links, Joining Bars and Rollers, and Assembling Hardware) | |
| 9 | 70003920 | 1 | Mounting Bracket Kit (Includes Mounting Brackets for Both Ends, 1 Roller Assembly and Assembling Hardware) | |
| 10 | 1180387 | 1 | Tube, Push (Upper Tower Boom) | |
| 11 | 1180388 | 1 | Tube, Carrier (Lower Tower Boom) | |
| 12 | 1180389 | 1 | Tube, Carrier (T/T to Tower Boom) | |
| 13 | 1180390 | 1 | Tube, Carrier (Turntable) | |
| 14 | 1320288 | 6 | Clamp, Bar | |
| 15 | 1320328 | 2 | Clamp, Bar | |
| 16 | 3311608 | 6 | Nut 3/8 | |
| 17 | 3574644 | 1 | Plate, Support | |
| 18 | 3900283 | 8 | Screw 3/8 x 3/4 | |
| 19 | 4071076 | 3 | Shim | |
| 20 | 4220189 | 2 | Block, Support | |
| 21 | 4220190 | 4 | Pad, Rubber | |
| 22 | 4711600 | 12 | Washer 3/8 | |
| 23 | 4891600 | 6 | Washer 3/8 | |
| 24 | 4891800 | 8 | Washer 1/2 | |
| 25 | 3311602 | 2 | Nut 3/8 | |
| 26 | 3340941 | 8 | Pad, Rubber | |
| 27 | 4562516 | 3 in/7.6cm | Tubing, Poly | |
| 28 | 0630593 | 2 | Bolt 3/8 x 3-1/4 | |
| 29 | 4240155 | AR | Strap (Not Shown) | |
| 30 | 3300492 | 10 | Nut, Lock Nylon Insert | |

## FIGURE 4-12. POWER TRACK AND BOOM CLAMPS INSTALLATION (MAIN BOOM AND JIB)




32
33
40
50
1
10
1
6
50
54
57
31
1
3
1
3
49
49
30
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45
46
1
52
8
44
32
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17
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32
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12
17
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15
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42
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36
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47
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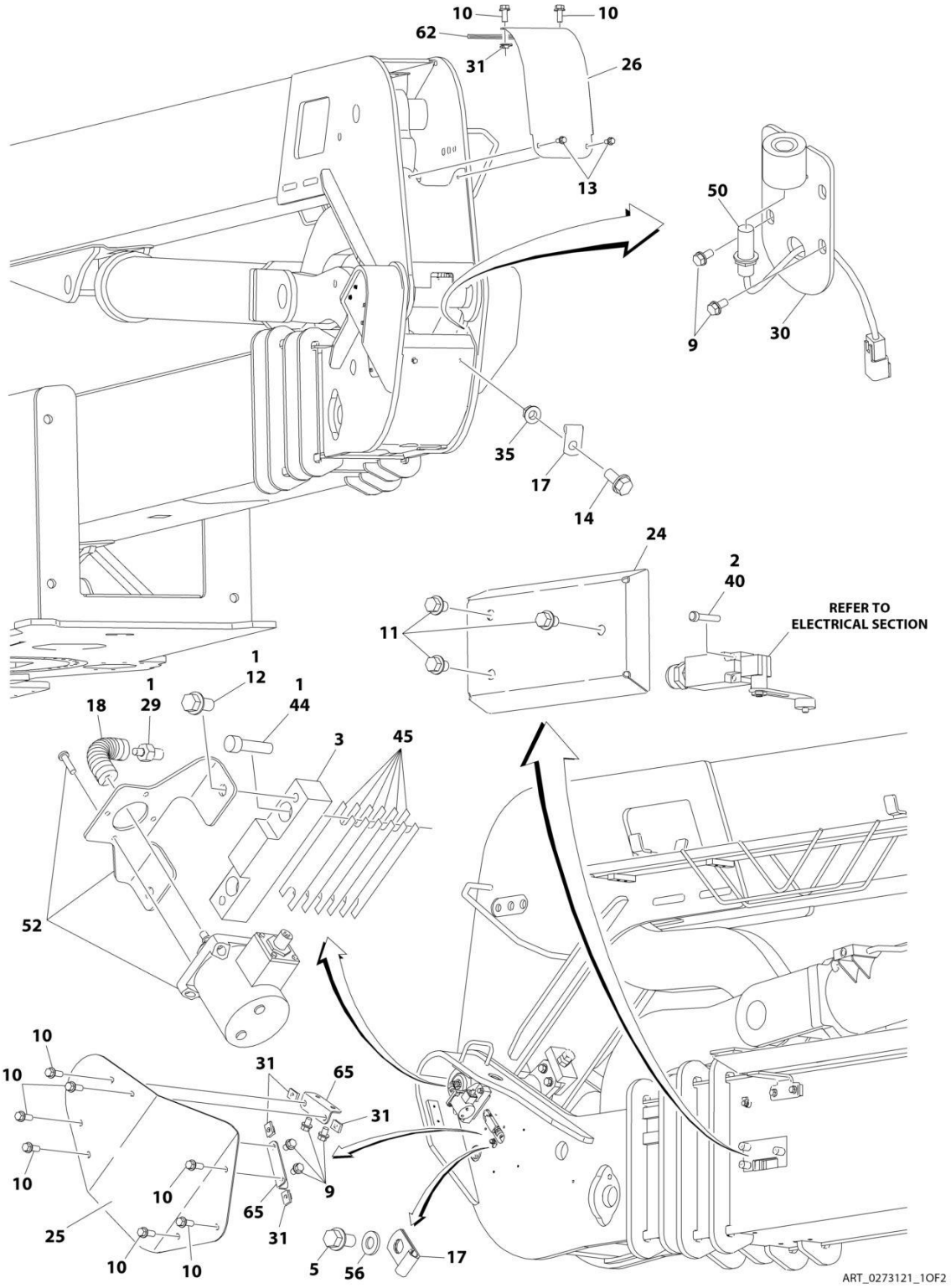
36
20
5
42
50
42
50
26
2
36
47
47
2
36
26
60
60
61
45
21
48
1
4
ART_0273361_K_2OF2

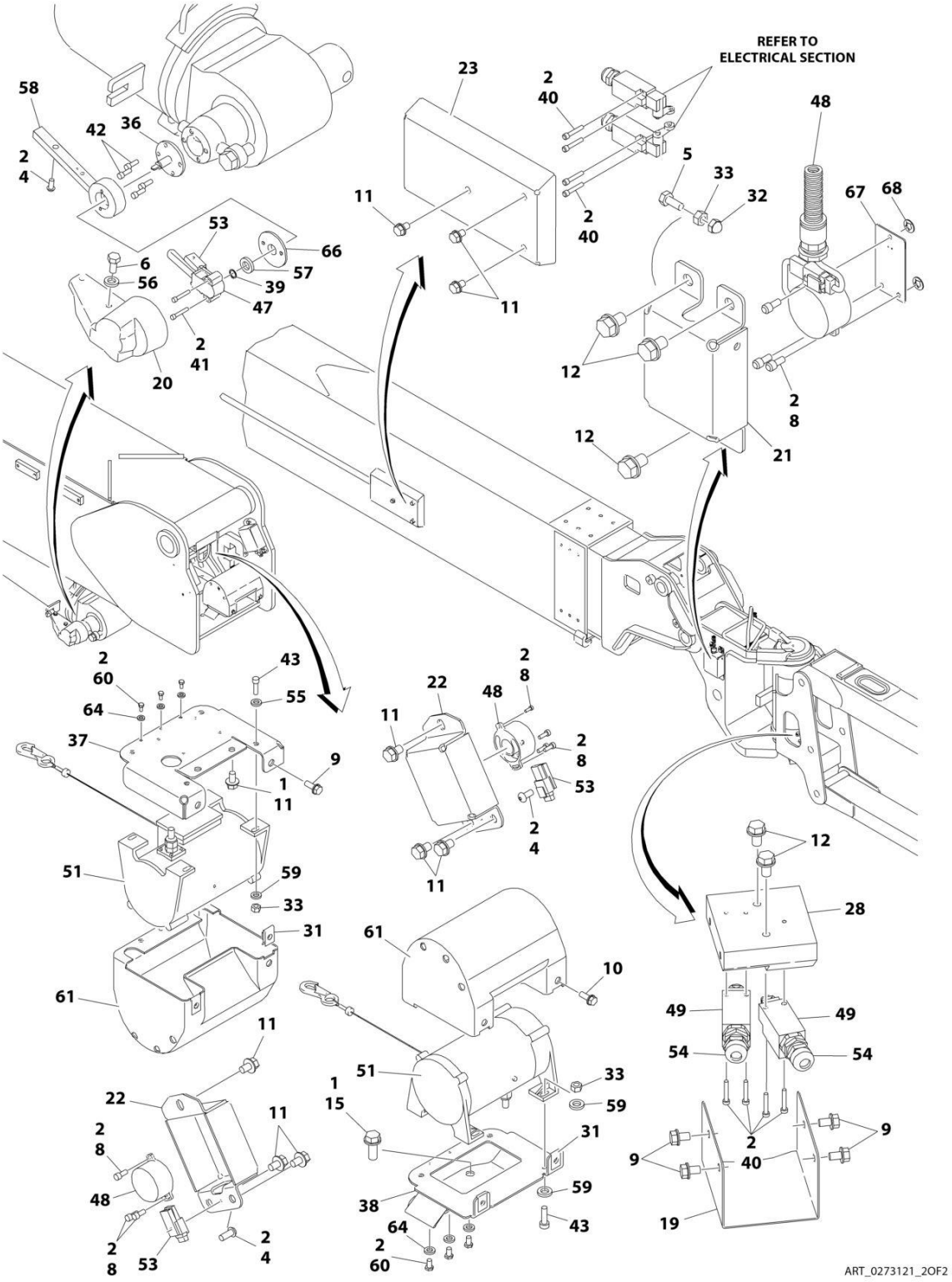
## FIGURE 4-12. POWER TRACK AND BOOM CLAMPS INSTALLATION (MAIN BOOM AND JIB)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273361 | Ref | POWER TRACK AND BOOM CLAMPS INSTALLATION (MAIN BOOM AND JIB) | K |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100081 | AR | Adhesive #454 | |
| 3 | 0760812 | 3 | Screw M8 x 25 | |
| 4 | 0641406 | 1 | Bolt 1/4 x 3/4 | |
| 5 | 0791510 | 2 | Screw 5/16 x 1-1/4 | |
| 6 | 0641605 | 4 | Bolt 3/8 x 5/8 | |
| 7 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 8 | 0641809 | 4 | Bolt 1/2 x 1-1/8 | |
| 9 | 0641638 | 1 | Bolt 3/8 x 4-3/4 | |
| 10 | 0641644 | 2 | Bolt 3/8 x 5-1/2 | |
| 11 | 0791608 | 2 | Screw 3/8 x 1 | |
| 12 | 0791610 | 10 | Screw 3/8 x 1-1/4 | |
| 13 | 0791616 | 4 | Screw 3/8 x 2 | |
| 14 | 0791622 | 1 | Screw 3/8 x 2-3/4 | |
| 15 | 0641626 | 1 | Bolt 3/8 x 3-1/4 | |
| 16 | 0791808 | 8 | Screw 1/2 x 1 | |
| 17 | 0902932 | 2 | Bracket, Mounting | |
| 18 | 0791618 | 2 | Screw 3/8 x 2-1/4 | |
| 19 | 1180386 | 1 | Tube, Push (Upper Main Boom) | |
| 20 | 1320159 | 2 | Clamp, Hose | |
| 21 | 1320263 | 2 | Clamp, Hose | |
| 22 | 1320277 | 1 | Clamp, Hose | |
| 23 | 1320288 | 1 | Clamp, Hose | |
| 24 | 1320289 | 1 | Clamp, Hose | |
| 25 | 1320294 | 2 | Clamp, Bar | |
| 26 | 1320296 | 3 | Clamp, Bar | |
| 27 | 1320325 | 2 | Clamp, Block | |
| 28 | 1320327 | 2 | Clamp, Cover Plate | |
| 30 | 1671122 | 1 | Cover, Jib Pivot | |
| 31 | 2540044 | 1 | Guide, Hose | |
| 32 | 3311608 | 12 | Nut 3/8 | |
| 33 | 3340764 | 2 | Pad, Push Tube | |
| 34 | 3340787 | NLA | Pad, Wear (Use p/n 1001136469) | |
| 35 | 0811606 | 2 | Screw 3/8 x 3/4 | |
| 36 | 3340934 | 4 | Pad, Clamp | |
| 37 | 3340941 | 4 | Pad, Rubber | |
| 38 | 3340942 | 4 | Pad, Rubber | |
| 39 | 3340943 | 2 | Pad, Rubber | |
| 40 | 3538758 | 1 | Plate, Backing | |
| 41 | 3574606 | 1 | Plate, Bulkhead Mounting | |
| 42 | 3900260 | 4 | Capscrew 3/8 x 4 | |
| 43 | 3900283 | 8 | Screw 3/8 x 3/4 | |
| 44 | 4071072 | 1 | Shim, Adjusting 16Ga | |
| 45 | 4240153 | AR | Tie-Strap | |
| 46 | 4240155 | AR | Tie-Strap | |
| 47 | 4562516 | 7 in/18 cm | Tubing, Poly | |
| 48 | 4711400 | 1 | Washer 1/4 | |
| 49 | 4811900 | 6 | Washer M8 | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 50 | 4711600 | 18 | Washer 3/8 | |
| 51 | 4846920 | 1 | Tube, Carrier (Lower Main Boom) | |
| 52 | 4891800 | 4 | Washer 1/2 | |
| 53 | 3311605 | 4 | Nut 3/8 | |
| 54 | 4240033 | AR | Tie-Strap | |
| 55 | 0902965 | 1 | Bracket, Push Tube Guide | |
| 56 | 4220197 | 1 | Pad, Guide Tube | |
| 57 | 4100063 | 1 | Sleeve | |
| 58 | 4891600 | 2 | Washer 3/8 | |
| 59 | 1001131732 | 1 | Power Track, Main Cable | |
| 59 | 70003913 | AR | Repair Section Kit (Includes Inner and Outer Links, Joining Bars and Rollers, and Assembling Hardware) | |
| 59 | 70003914 | 1 | Roller Link Section Kit (Includes 1 Roller Assembly and Assembling Hardware) | |
| 59 | 70003916 | 1 | Mounting Bracket Kit (Includes Mounting Brackets for Both Ends and Assembling Hardware) | |
| 60 | 3300492 | 5 | Nut, Lock Nylon Insert | |
| 61 | 4240156 | 1 | Tie-Strap | |
| 62 | 0641636 | 1 | Bolt 3/8 x 4-1/2 | |
| 63 | 1321385 | 1 | Clamp, Hose Retaining (Located at Platform Rotator - Not Shown) | |
| 64 | 3290805 | 3 | Nut M8 | |

## FIGURE 4-13. BOOM SENSORS AND SWITCHES INSTALLATION



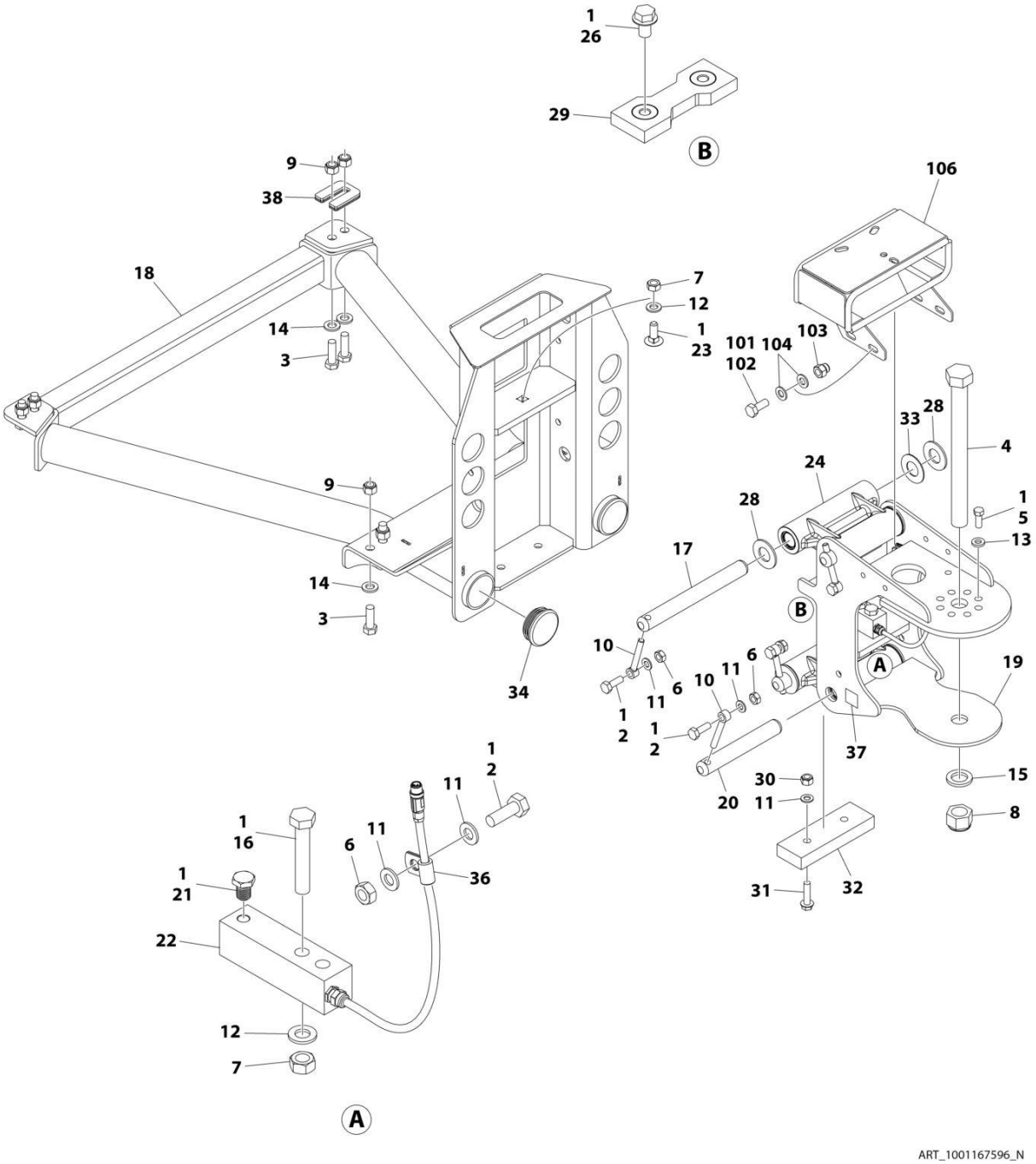

REFER TO
ELECTRICAL SECTION
ART_0273121_2OF2

## FIGURE 4-13. BOOM SENSORS AND SWITCHES INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273121 | Ref | BOOM SENSORS AND SWITCHES INSTALLATION | P |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0100035 | AR | Compound, Locking | |
| 3 | 0363224 | 2 | Bar, Sensor Mounting | |
| 4 | 0630464 | 3 | Screw #10 x 1/2 | |
| 5 | 0641405 | 2 | Bolt 1/4 x 5/8 | |
| 6 | 0641505 | 1 | Bolt 5/16 x 5/8 | |
| 8 | 3930606 | 12 | Capscrew #6 x 3/8 | |
| 9 | 0791504 | 17 | Screw 5/16 x 1/2 | |
| 10 | 0791506 | 20 | Screw 5/16 x 3/4 | |
| 11 | 0791604 | 20 | Screw 3/8 x 1/2 | |
| 12 | 0791605 | 12 | Screw 3/8 x 5/8 | |
| 13 | 0791606 | 2 | Screw 3/8 x 3/4 | |
| 14 | 0791608 | 2 | Screw 3/8 x 1 | |
| 15 | 0791810 | 2 | Screw 1/2 x 1-1/4 | |
| 16 | 4240018 | AR | Tie-Strap (Not Shown) | |
| 17 | 1320301 | 7 | Clamp, Hose | |
| 18 | 1660261 | 2 | Coupling, Rotary Sensor | |
| 19 | 1671039 | 1 | Cover, Jib Switch | |
| 20 | 1671040 | 1 | Cover, Sensor | |
| 21 | 1671044 | 2 | Cover, Level Sensor | |
| 22 | 1671112 | 2 | Cover, Angle Sensor | |
| 23 | 1671113 | 2 | Cover, Limit Switch | |
| 24 | 1671117 | 1 | Cover, Limit Switch | |
| 25 | 3380528 | 2 | Cover, Rotary Sensor | |
| 26 | 1671123 | 1 | Cover, Main Base Hose | |
| 28 | 3200433 | 1 | Mount, Jib Switch | |
| 29 | 3200458 | 2 | Mount, Coupling | |
| 30 | 4340959 | 1 | Mount, Sensor | |
| 31 | 3300364 | 14 | Nut, Tinnerman 5/16 | |
| 32 | 3300430 | 2 | Nut 1/4 | |
| 33 | 3311405 | 10 | Nut 1/4 | |
| 35 | 3311608 | 2 | Nut 3/8 | |
| 36 | 3423256 | 1 | Pin, Sensor (Note: Control System must be re-calibrated when Switch is replaced) | |
| 37 | 4340810 | 1 | Mount, Sensor (Upper) | |
| 38 | 4340811 | 1 | Mount, Sensor (Lower) | |
| 39 | 3760383 | 1 | Ring | |
| 40 | 3930816 | 14 | Capscrew #8 x 1 | |
| 41 | 3931020 | 2 | Capscrew #10 x 1-1/4 | |
| 42 | 3931412 | 4 | Capscrew 1/4 x 3/4 | |
| 43 | 3931414 | 8 | Capscrew 1/4 x 7/8 | |
| 44 | 3931624 | 4 | Capscrew 3/8 x 1-1/2 | |
| 45 | 4071031 | 12 | Shim, Trunnion Keeper | |
| 46 | 4240033 | AR | Tie-Strap (Not Shown) | |
| 47 | 4360505 | 1 | Switch, Rotary Angle Sensor (Note: Control System must be re-calibrated when Switch is replaced) | |
| 48 | 1001147479 | 4 | Switch, Digital Angle Sensor (Note: Control System must be re-calibrated when Switch is replaced) | |
| 49 | 4360548 | 2 | Switch, Plunger | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 50 | 4000008 | 1 | Sensor, Proximity Assembly | |
| 51 | 4360552 | 2 | Switch, Boom Length (Note: Control System must be re-calibrated when Switch is replaced) | |
| 52 | 4360622 | 2 | Switch, Rotary Transducer (Note: Control System must be re-calibrated when Switch is replaced) | |
| 53 | 4460914 | 3 | Terminal, Base | |
| 54 | 4460968 | 3 | Connector, Strain Relief | |
| 55 | 4711400 | 8 | Washer 1/4 | |
| 56 | 4711500 | 2 | Washer 5/16 | |
| 57 | 4711800 | 1 | Washer 1/2 | |
| 58 | 0200833 | 1 | Arm | |
| 59 | 4891400 | 8 | Washer 1/4 | |
| 60 | 0721003 | 6 | Screw #10 x 3/8 | |
| 61 | 1671142 | 2 | Cover, Length Sensor | |
| 62 | 3960389 | 11 in /28cm | Seal | |
| 63 | 3960571 | 1 | Seal, Gasket (Not Shown) | |
| 64 | 4751000 | 6 | Washer #10 | |
| 65 | 4340861 | 4 | Plate, Mounting | |
| 66 | 0080277 | 1 | Adapter, Angle Sensor Pilot | |
| 67 | 4341158 | 2 | Mount, Sensor | |
| 68 | 8310070 | 6 | Pushnut 3/8 | |

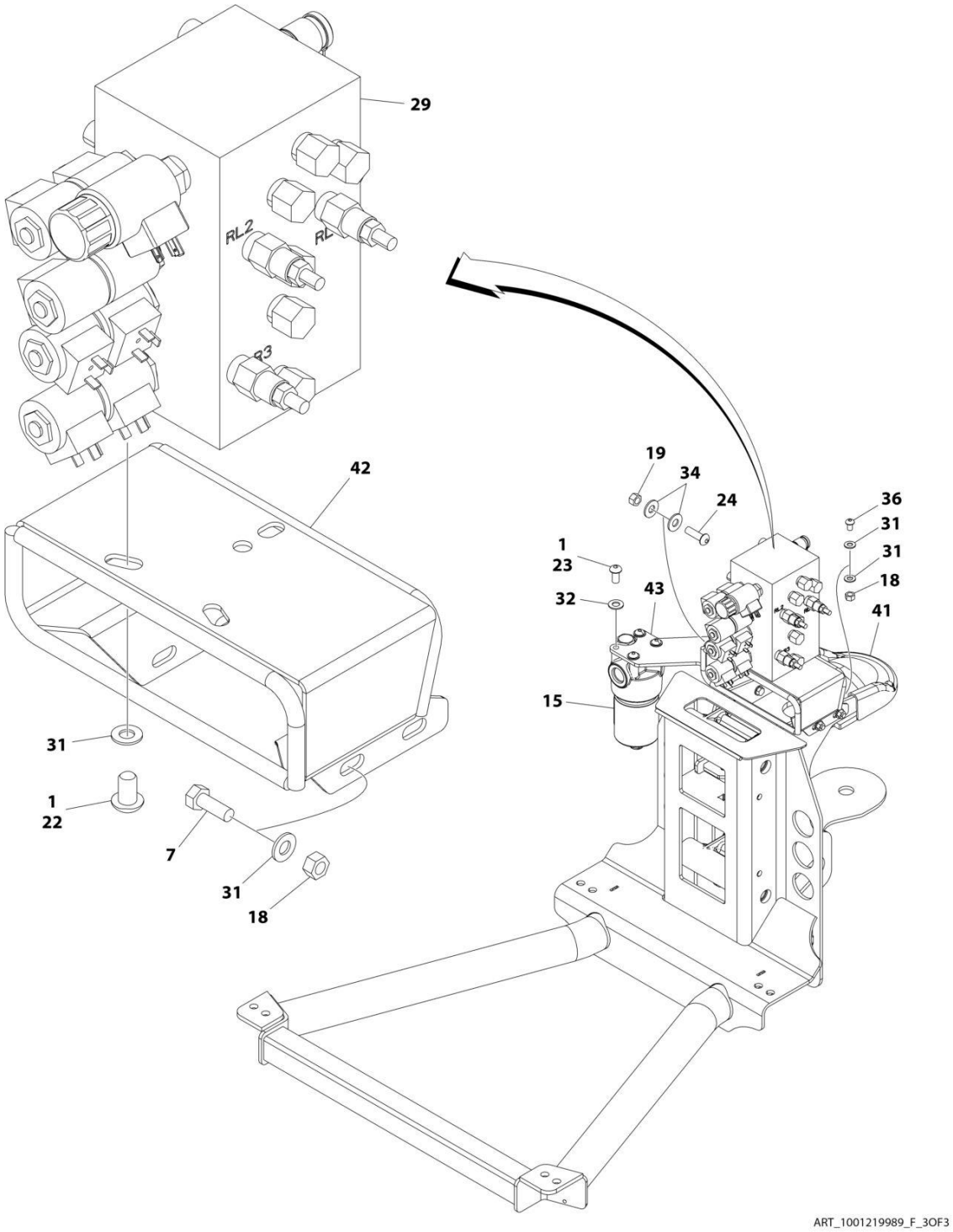
## FIGURE 4-14. PLATFORM SUPPORT INSTALLATION



## FIGURE 4-14. 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 | |

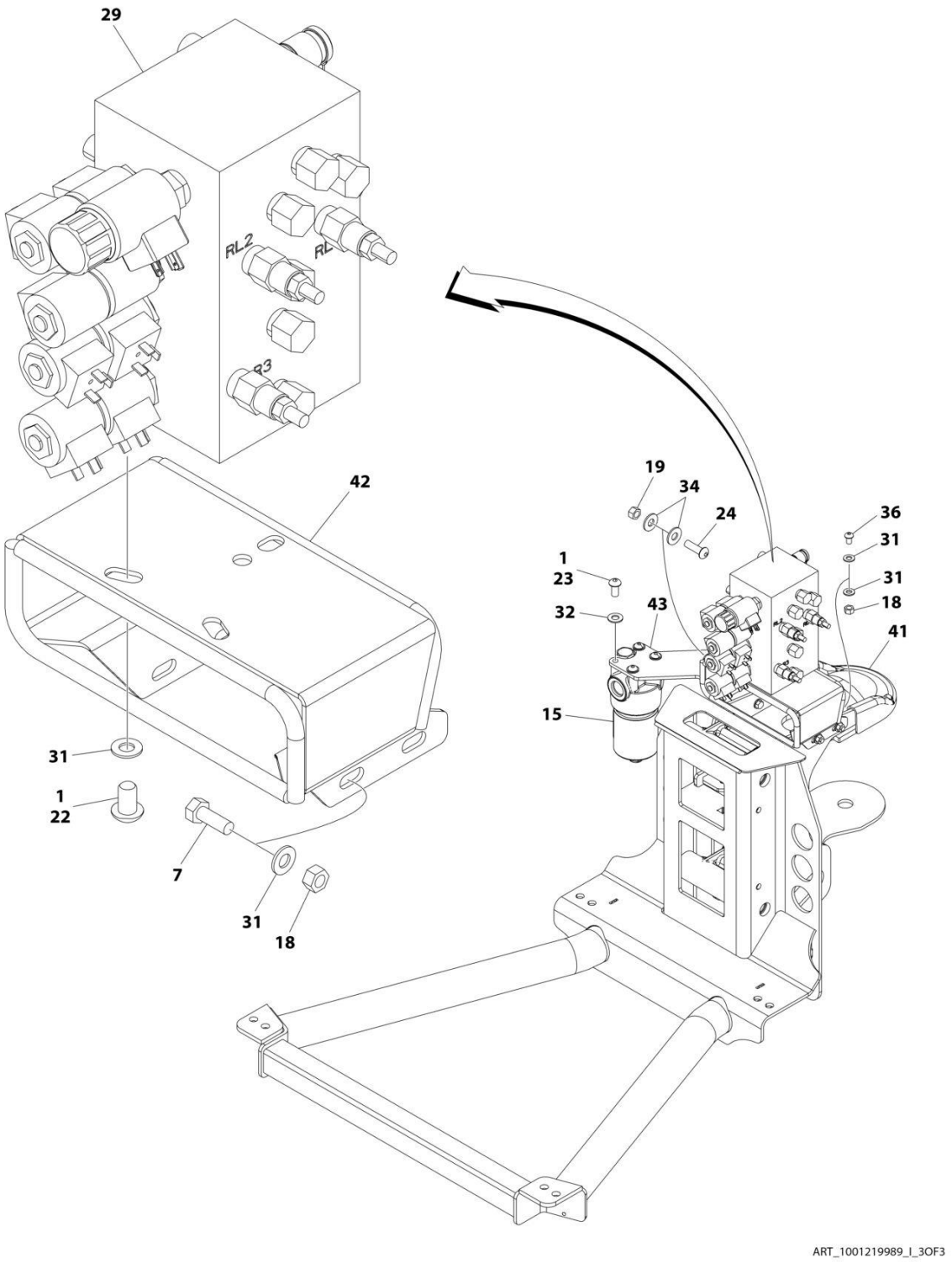
## FIGURE 4-15. CONTROL VALVE INSTALLATION - PLATFORM (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



## FIGURE 4-15. CONTROL VALVE INSTALLATION - PLATFORM (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | CONTROL VALVE INSTALLATION - WITH 1 CELL LSS | F |
| 1 | 0100011 | AR | Compound, Locking | |
| 7 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 15 | 2120217 | 1 | Filter, Pressure | |
| 15 | 70002097 | 1 | Element | |
| 15 | 70004328 | 1 | Plug, Indicator | |
| 18 | 3311505 | 6 | Nut 5/16 | |
| 19 | 3311605 | 2 | Nut 3/8 | |
| 22 | 3900210 | 3 | Screw 5/16 x 3/4 | |
| 23 | 3900283 | 4 | Screw 3/8 x 3/4 | |
| 24 | 3900316 | 2 | Screw 3/8 x 1 | |
| 29 | 4641460 | 1 | Platform Valve (See Separate Breakdown in this Section) | |
| 31 | 4711500 | 12 | Washer 5/16 | |
| 32 | 4711600 | 4 | Washer 3/8 | |
| 34 | 4751600 | 4 | Washer 3/8 | |
| 36 | 88261024 | 2 | Bolt 5/16 x 1 | |
| 41 | 1001207969 | 1 | Cover, Support/Rotator | |
| 42 | 1001208994 | 1 | Plate, Valve Mounting | |
| 43 | 1001222314 | 1 | Bracket, Filter Mounting | |

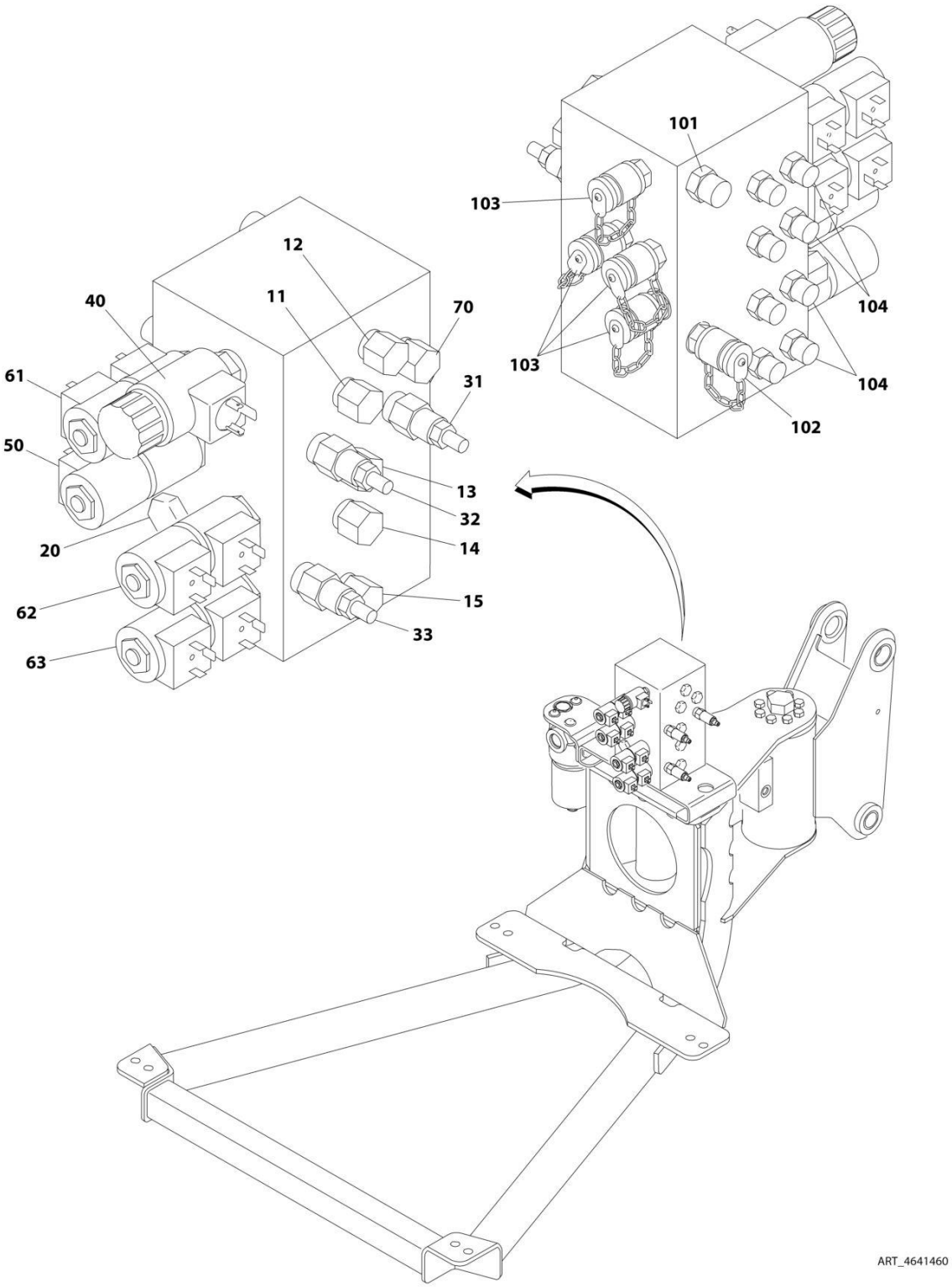
## FIGURE 4-16. CONTROL VALVE INSTALLATION - PLATFORM (SN 0300298203 to Present, SN 0300287801 through 0300287807)



## FIGURE 4-16. CONTROL VALVE INSTALLATION - PLATFORM (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001219989 | Ref | CONTROL VALVE INSTALLATION - WITH 1 CELL LSS | I |
| 1 | 0100011 | AR | Compound, Locking | |
| 7 | 0641507 | 4 | Bolt 5/16 x 7/8 | |
| 15 | 2120217 | 1 | Filter, Pressure | |
| 15 | 70002097 | 1 | Element | |
| 15 | 70004328 | 1 | Plug, Indicator | |
| 18 | 3311505 | 6 | Nut 5/16 | |
| 19 | 3311605 | 2 | Nut 3/8 | |
| 22 | 3900210 | 3 | Screw 5/16 x 3/4 | |
| 23 | 3900283 | 4 | Screw 3/8 x 3/4 | |
| 24 | 3900316 | 2 | Screw 3/8 x 1 | |
| 29 | 4641460 | 1 | Platform Valve (See Separate Breakdown in this Section) | |
| 31 | 4711500 | 12 | Washer 5/16 | |
| 32 | 4711600 | 4 | Washer 3/8 | |
| 34 | 4751600 | 4 | Washer 3/8 | |
| 36 | 88261024 | 2 | Bolt 5/16 x 1 | |
| 41 | 1001207969 | 1 | Cover, Support/Rotator | |
| 42 | 1001208994 | 1 | Plate, Valve Mounting | |
| 43 | 1001222314 | 1 | Bracket, Filter Mounting | |

## FIGURE 4-17. PLATFORM VALVE ASSEMBLY



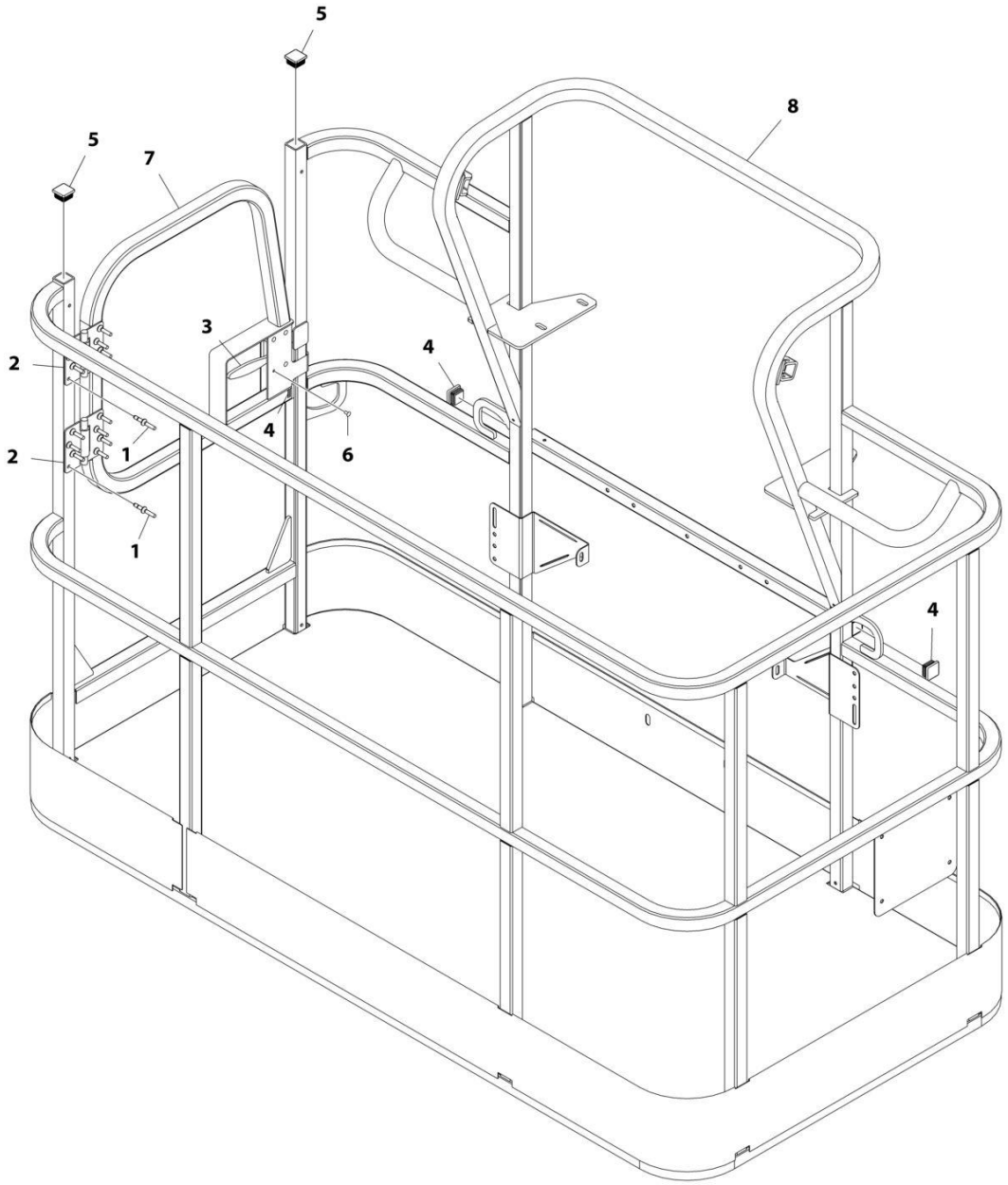
## FIGURE 4-17. PLATFORM VALVE ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4641460 | Ref | PLATFORM VALVE ASSEMBLY | C |
| 11 | 7026018 | 1 | Valve, Cartridge | |
| 11 | 7011346 | 1 | Seal Kit - Valve | |
| 12 | 7026019 | 1 | Valve, Cartridge (Flow Control) | |
| 12 | 7011346 | 1 | Seal Kit - Valve | |
| 13 | 7026020 | 1 | Valve, Cartridge (Rotate) | |
| 13 | 7011346 | 1 | Seal Kit - Valve | |
| 14 | 7026021 | 1 | Valve, Cartridge (Jib Swing) | |
| 14 | 7011346 | 1 | Seal Kit - Valve | |
| 15 | 7026019 | 1 | Valve, Cartridge (Jib Lift) | |
| 15 | 7011346 | 1 | Seal Kit - Valve | |
| 20 | 7011355 | 1 | Valve, Cartridge (Jib) | |
| 20 | 2900770 | 1 | Seal Kit - Valve | |
| 31 | 7024572 | 1 | Valve, Relief Cartridge (Platform Level Up) | |
| 31 | 7011346 | 1 | Seal Kit - Valve | |
| 32 | 7024572 | 1 | Valve, Relief Cartridge (Platform Level Down) | |
| 32 | 7011346 | 1 | Seal Kit - Valve | |
| 33 | 7024572 | 1 | Valve, Relief Cartridge (Jib Up/Down) | |
| 33 | 7011346 | 1 | Seal Kit - Valve | |
| 40 | 7026022 | 1 | Valve, Cartridge (Dump) | |
| 40 | 2900770 | 1 | Seal Kit - Valve | |
| 40 | 7024571 | 1 | Coil | |
| 50 | 7023922 | 1 | Valve, Cartridge (Platform Rotate) | |
| 50 | 7017402 | 1 | Seal Kit - Valve | |
| 50 | 7012944 | 2 | Coil | |
| 61 | 7023922 | 1 | Valve, Cartridge (Platform Level) | |
| 61 | 7017402 | 1 | Seal Kit - Valve | |
| 61 | 7012944 | 2 | Coil | |
| 62 | 7023922 | 1 | Valve, Cartridge (Jib Swing) | |
| 62 | 7017402 | 1 | Seal Kit - Valve | |
| 62 | 7012944 | 2 | Coil | |
| 63 | 7023922 | 1 | Valve, Cartridge (Jib Lift) | |
| 63 | 7017402 | 1 | Seal Kit - Valve | |
| 63 | 7012944 | 2 | Coil | |
| 70 | 7026023 | 1 | Valve, Cartridge (Check) | |
| 70 | 7011346 | 1 | Seal Kit - Valve | |
| | 4641460 | Ref | Platform Valve Assembly (Fitting Information) | C |
| 101 | 2110606 | 1 | Fitting, Straight | |
| 102 | 4641255 | 1 | Fitting (Check Valve) | |
| 103 | 2221086 | 4 | Check, Pressure | |
| 104 | 2110404 | 8 | Fitting, Straight | |

# SECTION 5 - PLATFORM

# SECTION 5 - PLATFORM

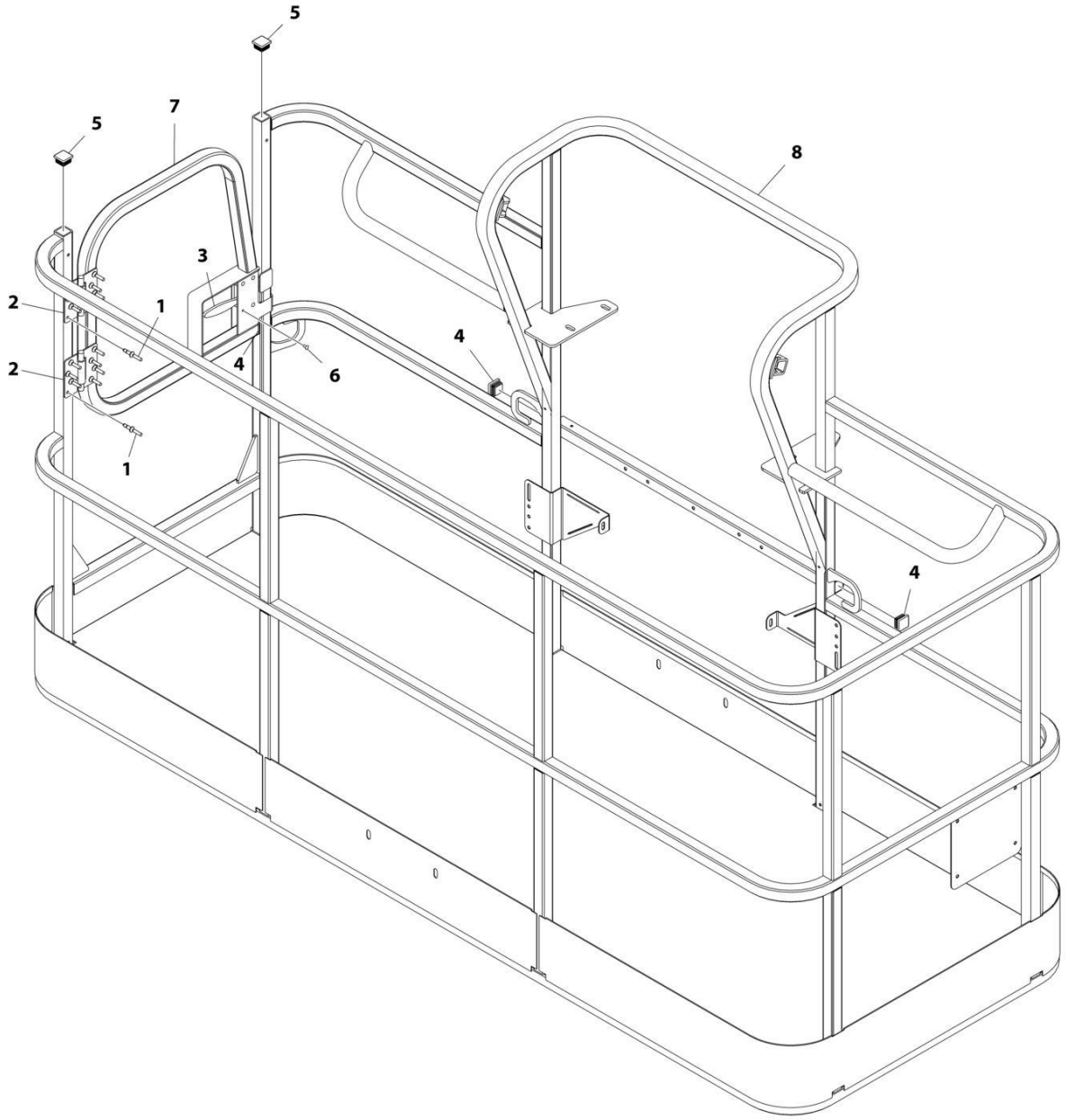
## FIGURE 5-1. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH SWING GATE



## FIGURE 5-1. 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) | |

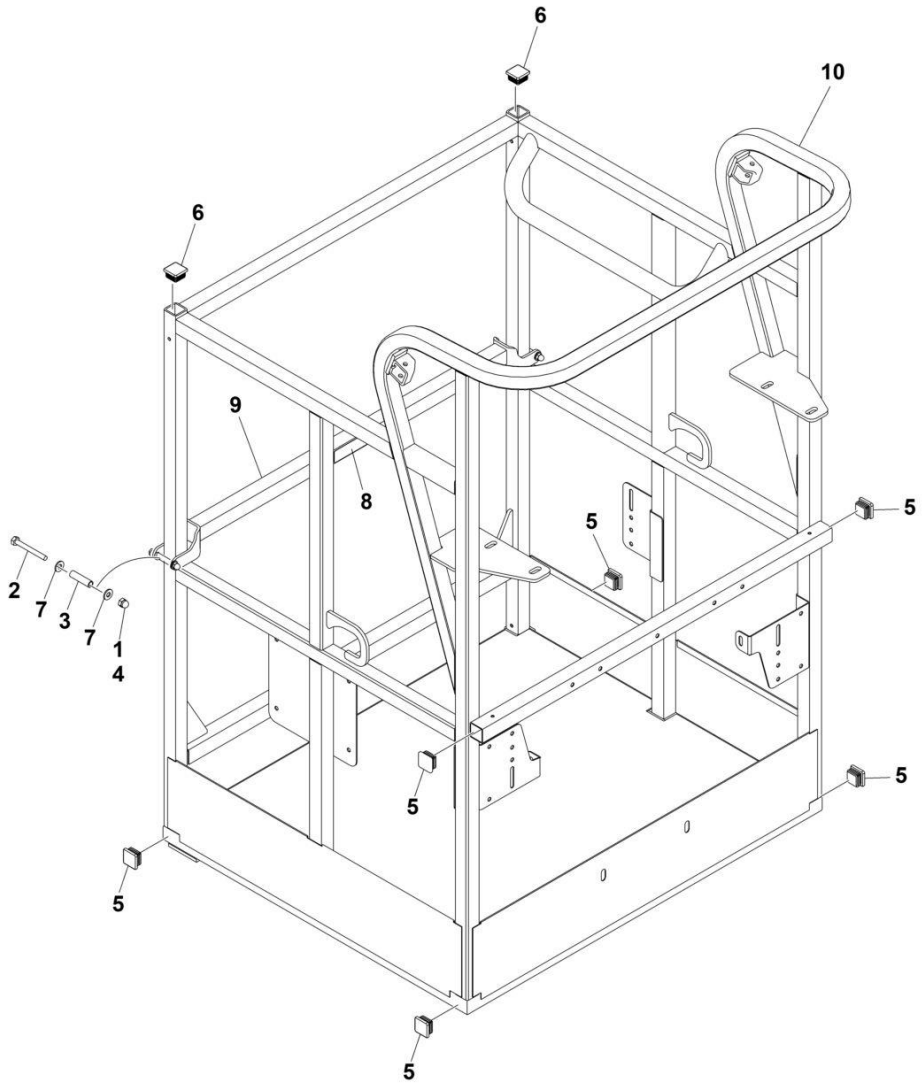
## FIGURE 5-2. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH SWING GATE



## FIGURE 5-2. 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 5-3. PLATFORM ASSEMBLY - 30IN X 3FT (76CM X .91M) - WITH DROP BAR

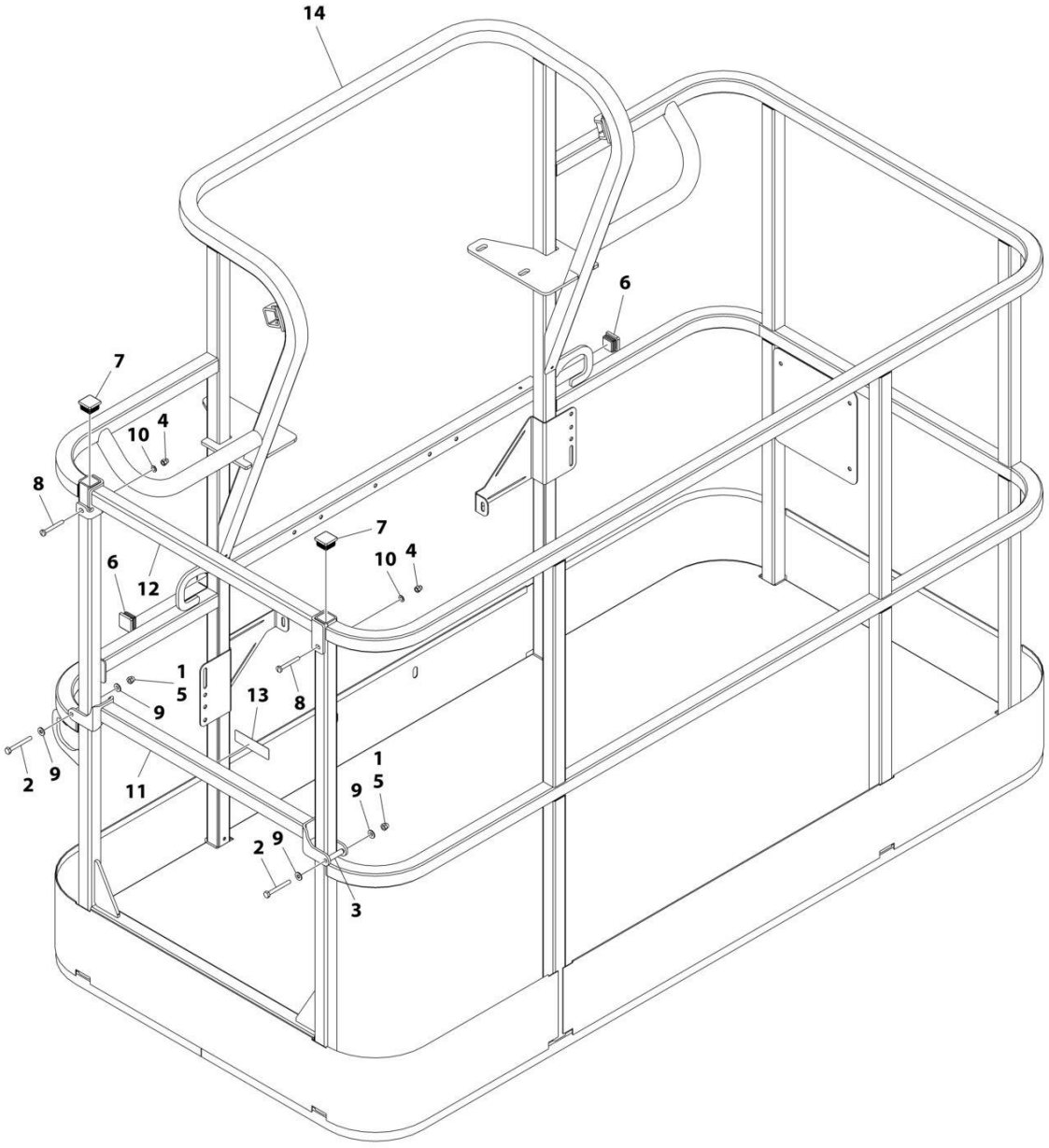



ART_1001228215

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

| 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) | |

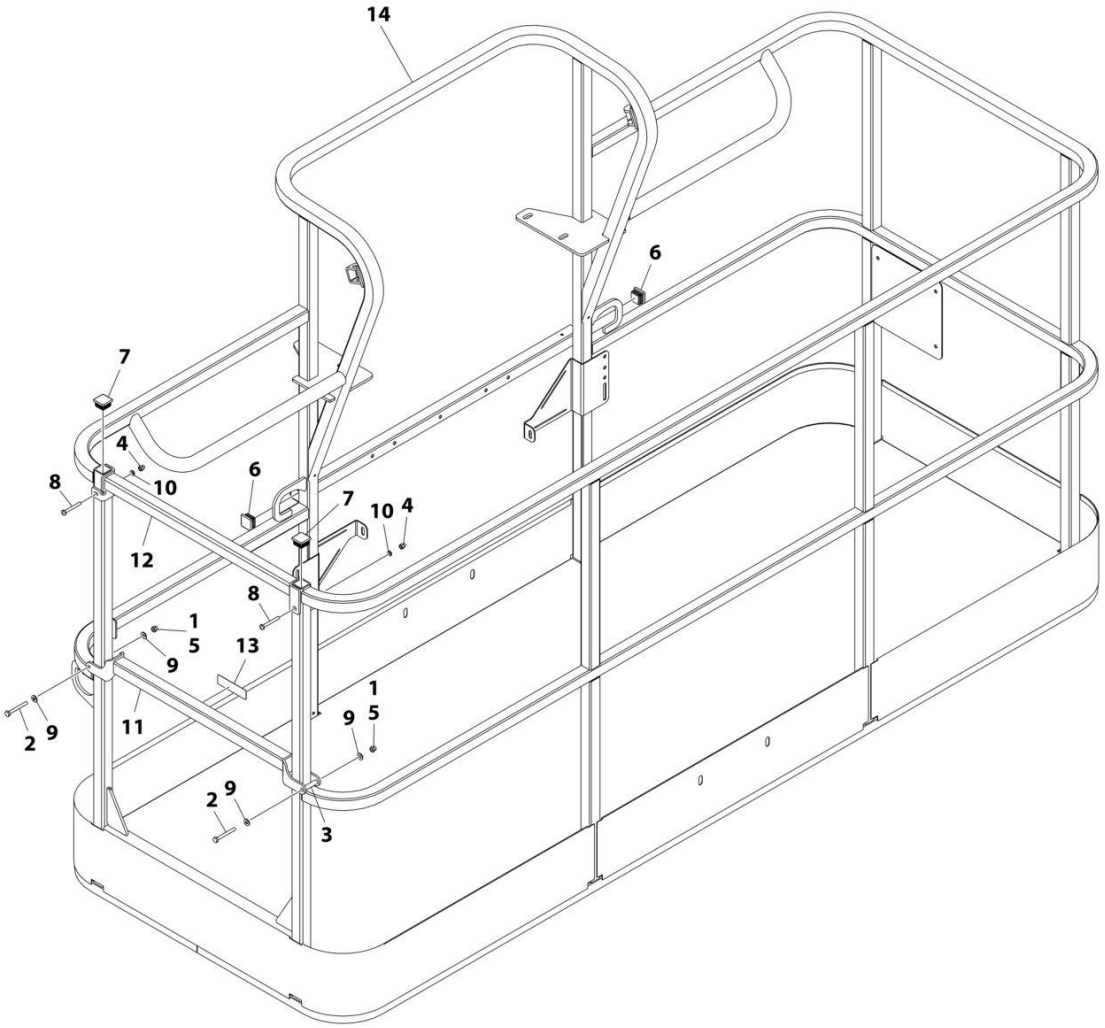
## FIGURE 5-4. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH DROP BAR



## FIGURE 5-4. 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) | |

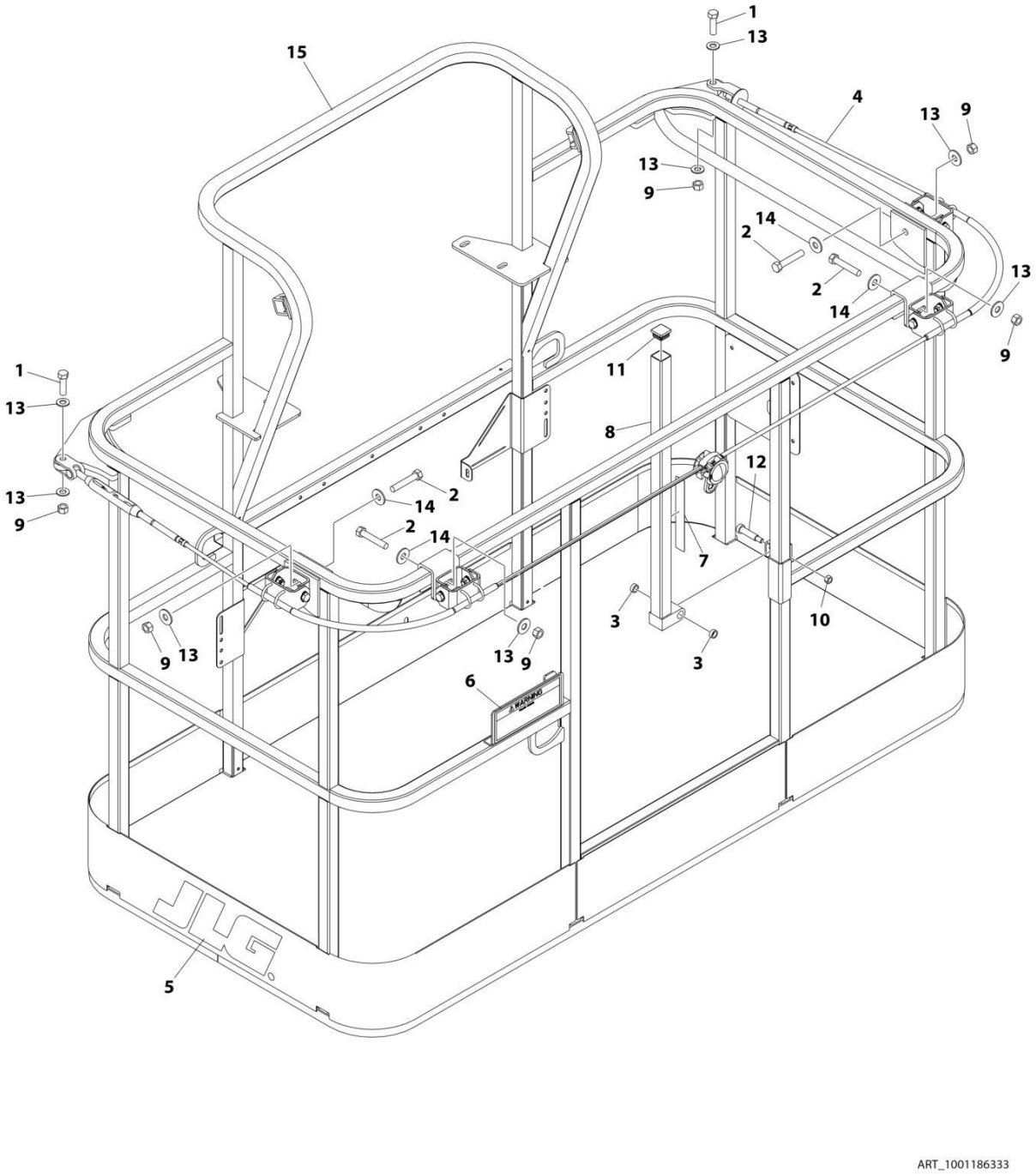
## FIGURE 5-5. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH DROP BAR



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

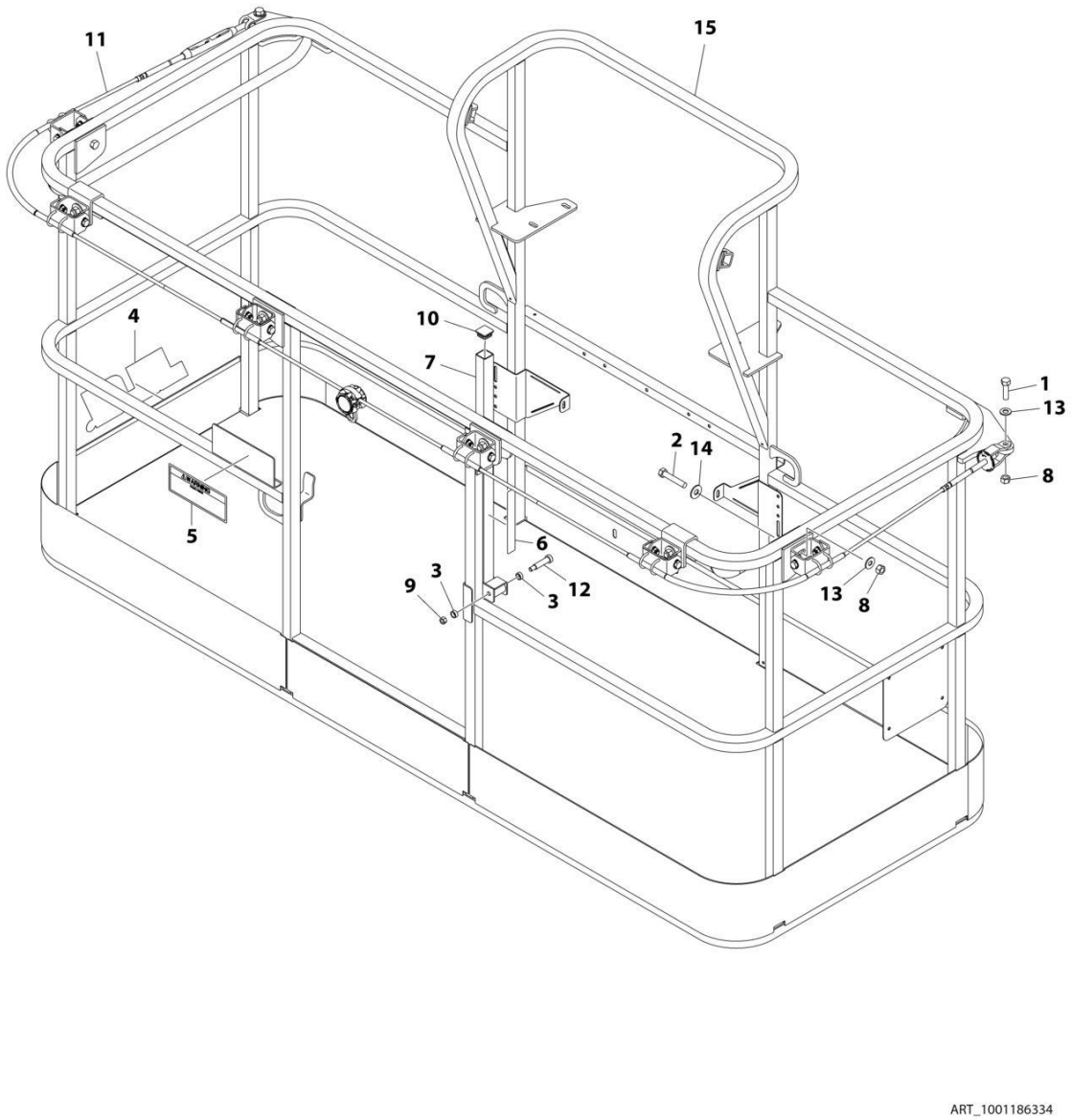


## FIGURE 5-6. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) WITH FALL ARREST (ANSI AND ANSI EXPORT SPECS)

| 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) | |

# SECTION 5 - PLATFORM

## FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ANSI AND CSA SPECS)

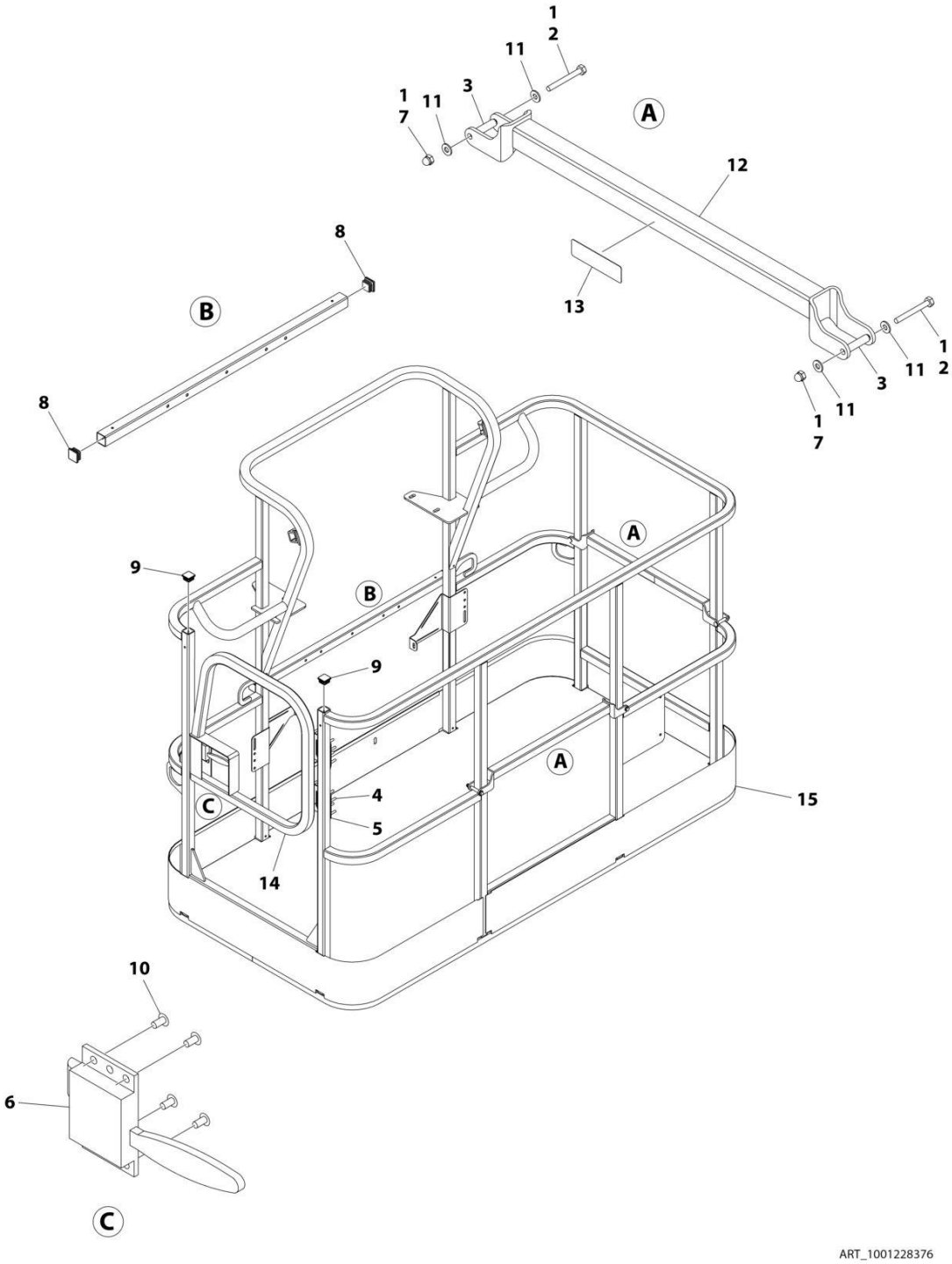


## FIGURE 5-7. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) WITH FALL ARREST (ANSI AND CSA SPECS)

| 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 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

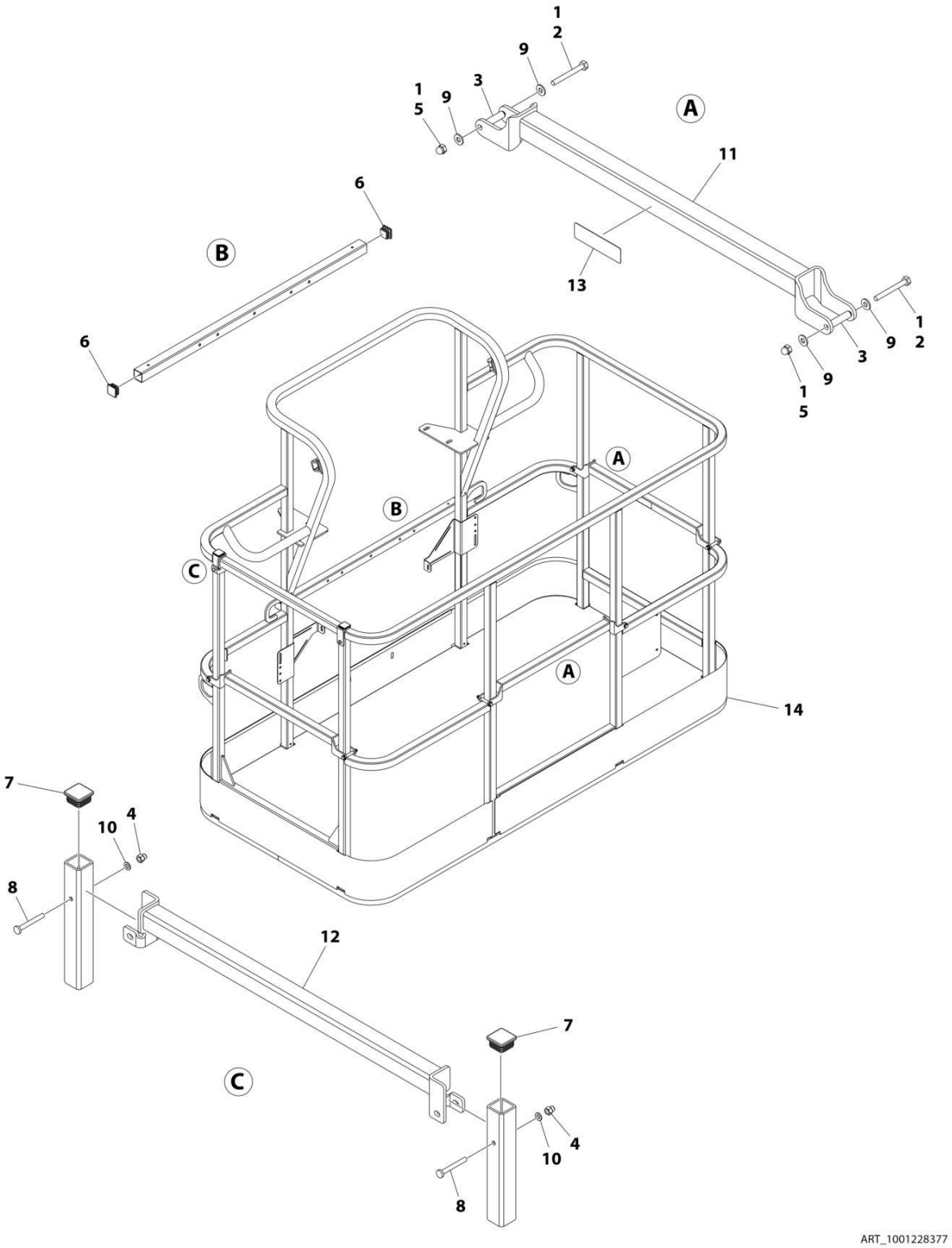


## FIGURE 5-8. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH SWING GATE

| 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) | |

# SECTION 5 - PLATFORM

## FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR

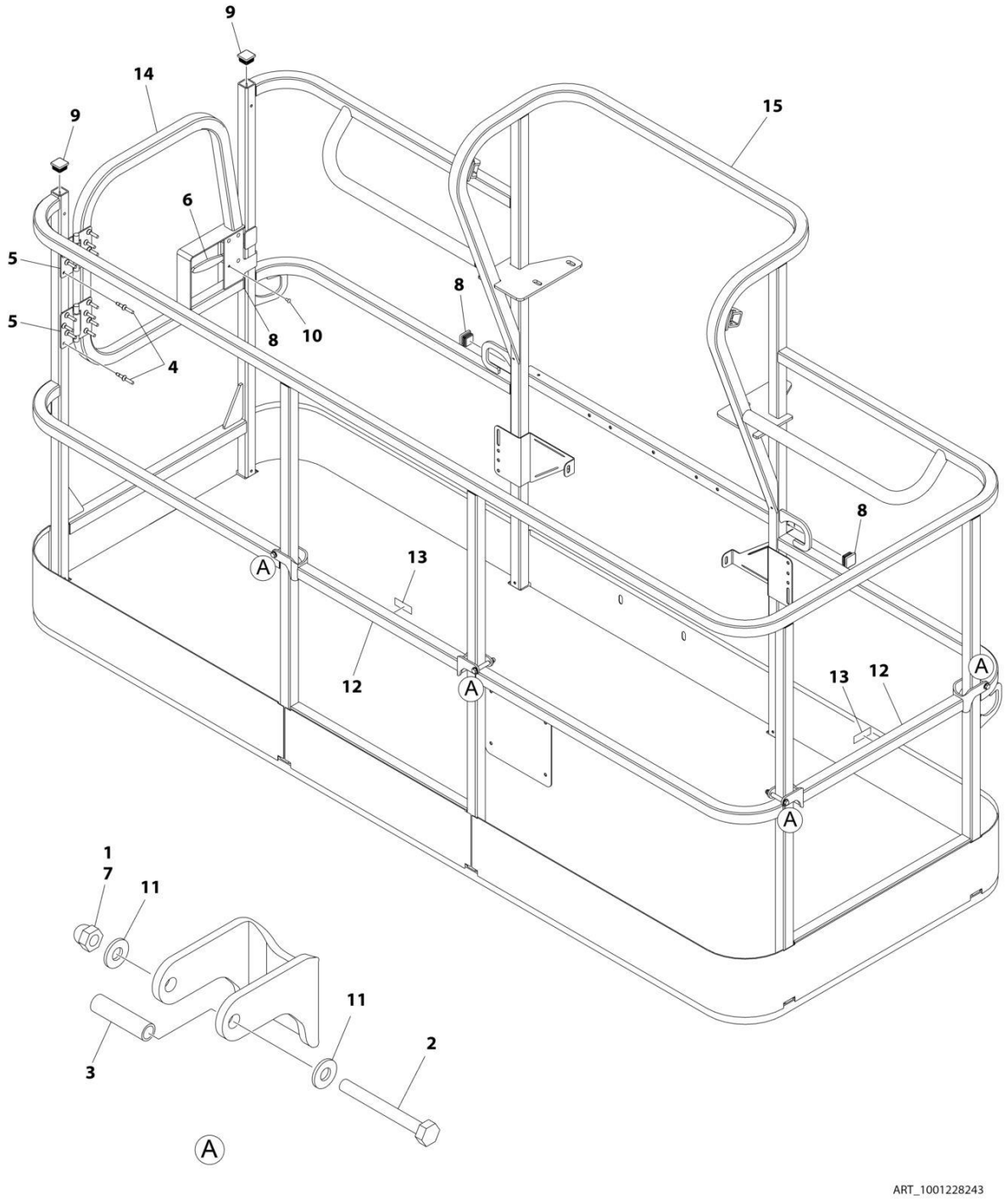


## FIGURE 5-9. PLATFORM ASSEMBLY - 36IN X 6FT (91.5CM X 1.83M) TRI-ENTRY WITH DROP BAR

| 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) | |

# SECTION 5 - PLATFORM

## FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

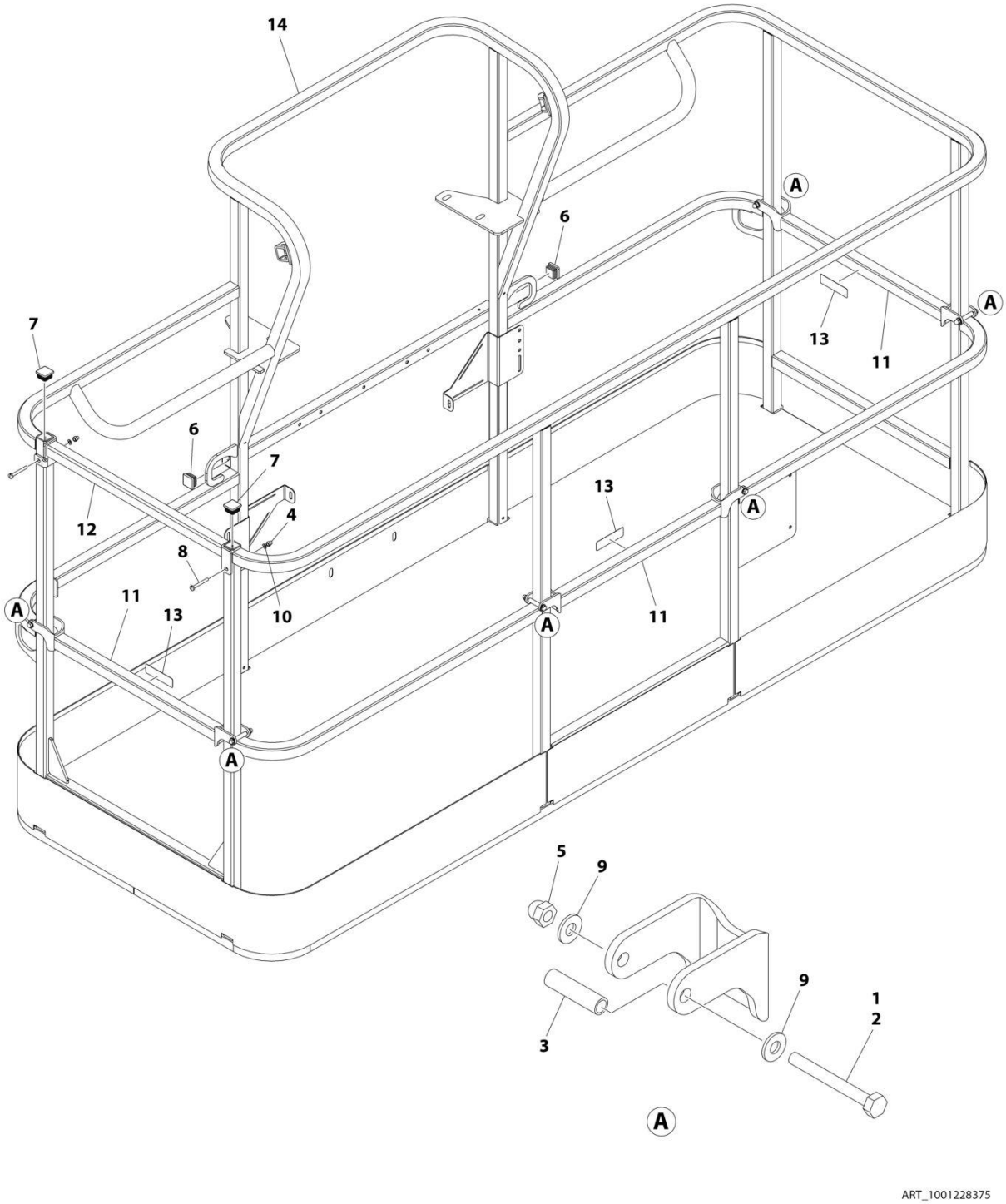


## FIGURE 5-10. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPBAR

| 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) | |

# SECTION 5 - PLATFORM

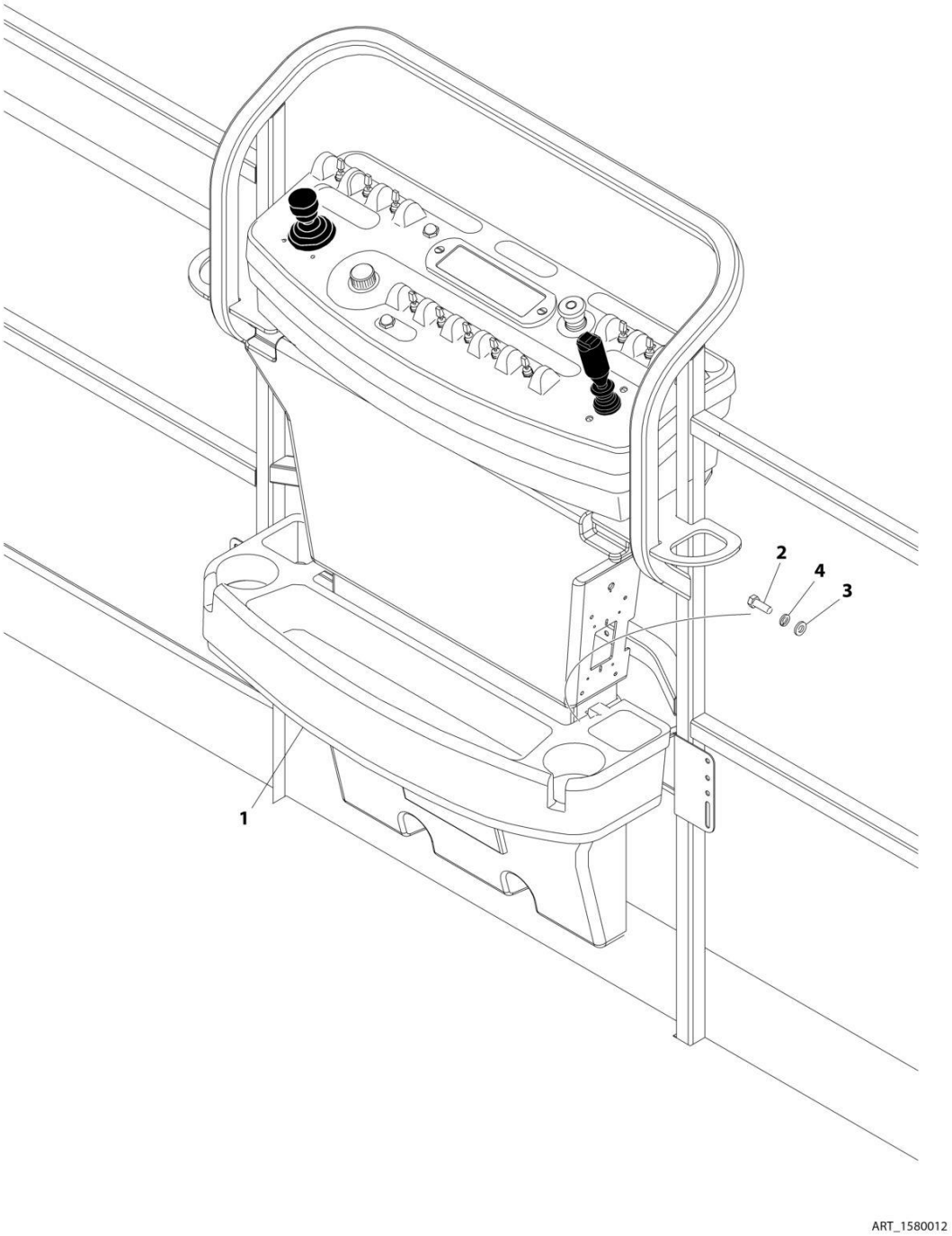
## FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE



## FIGURE 5-11. PLATFORM ASSEMBLY - 36IN X 8FT (91.5CM X 2.44M) TRI-ENTRY WITH DROPGATE

| 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) | |

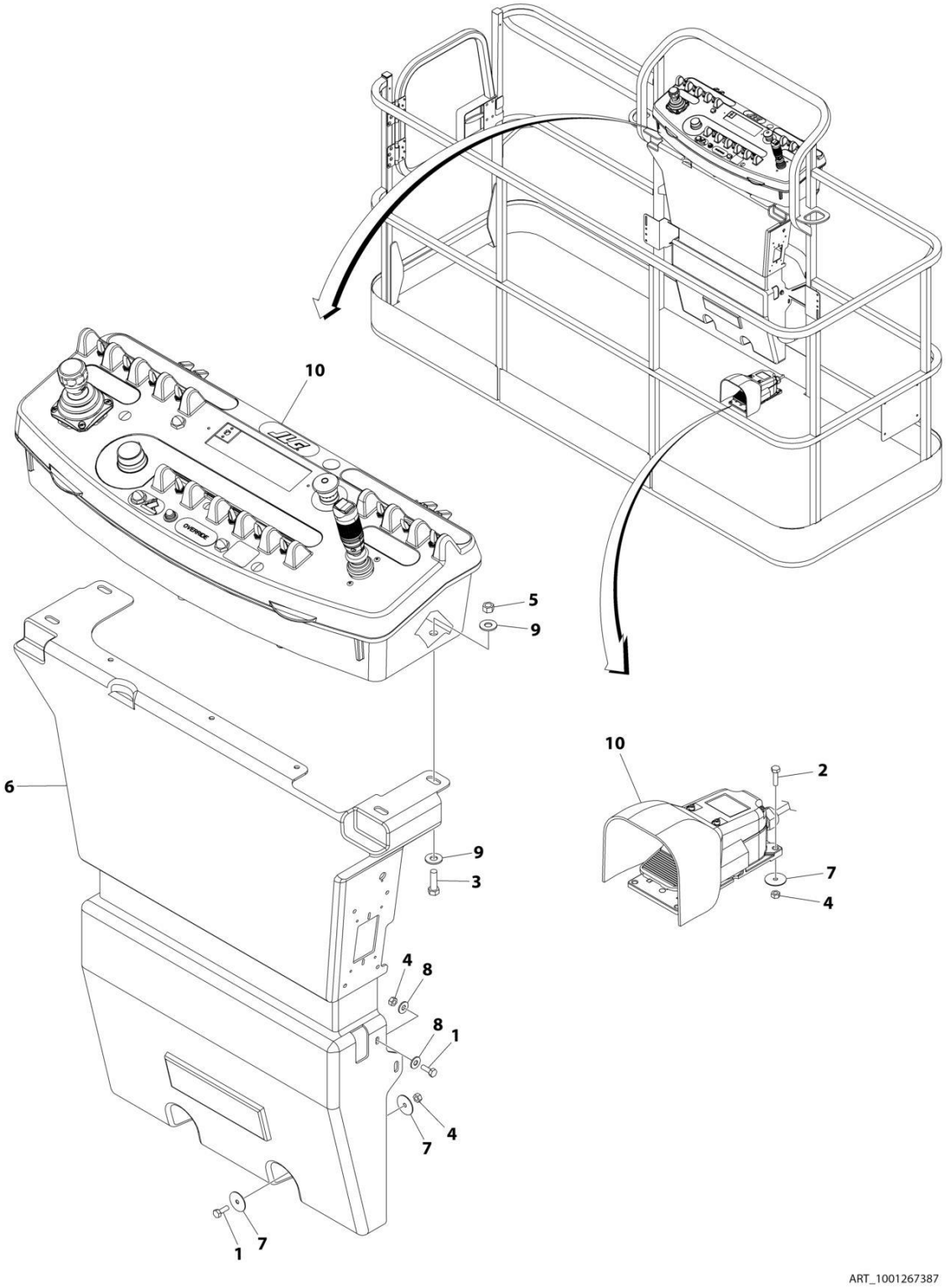
## FIGURE 5-12. TRAY INSTALLATION



## FIGURE 5-12. TRAY INSTALLATION

| 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 | |

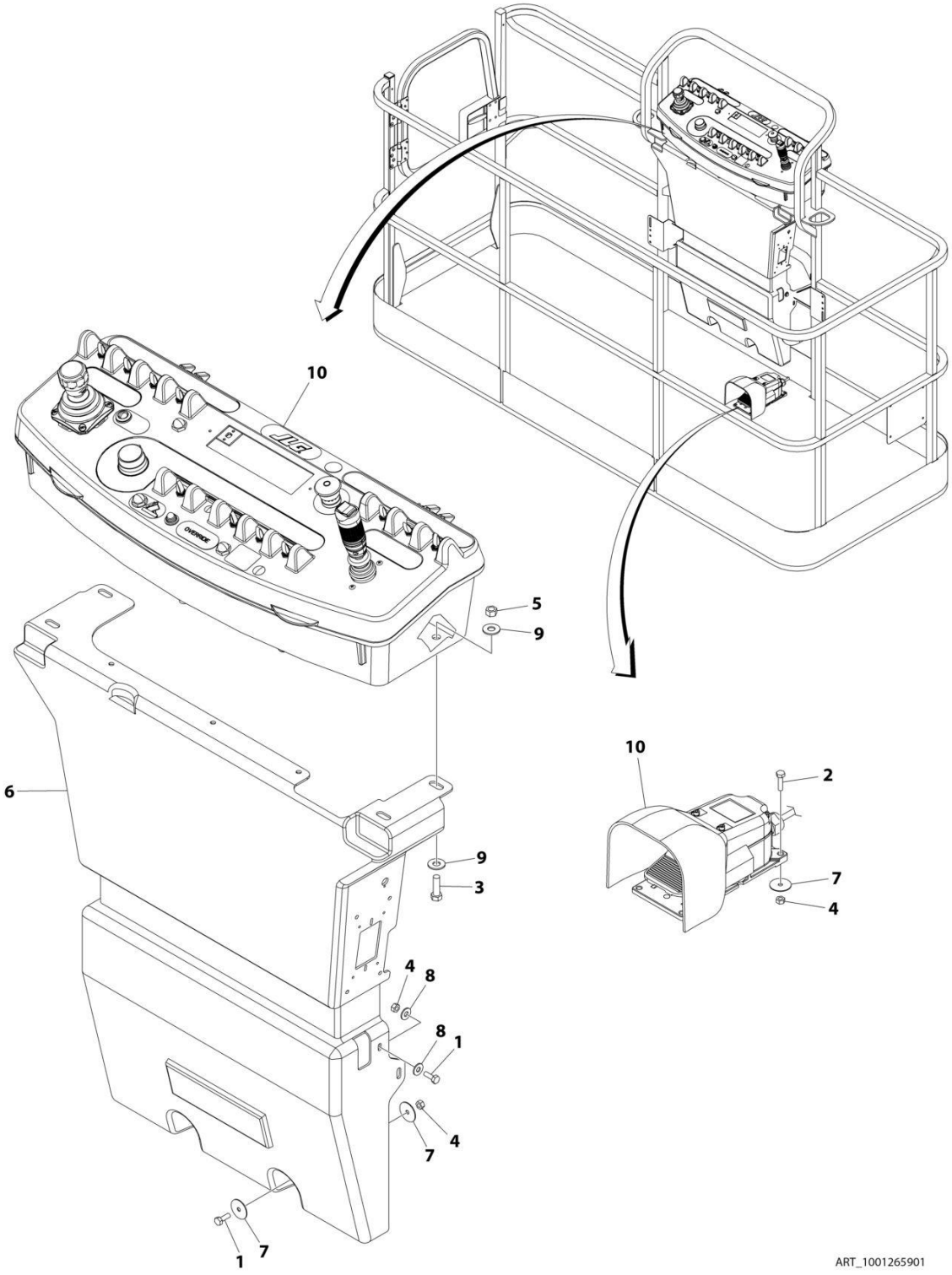
## FIGURE 5-13. PLATFORM CONTROLS INSTALLATION (WITHOUT TOWER STOW)



## FIGURE 5-13. PLATFORM CONTROLS INSTALLATION (WITHOUT TOWER STOW)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267387 | Ref | PLATFORM CONTROLS INSTALLATION | A |
| 1 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 2 | 0641408 | 3 | Bolt 1/4 x 1 | |
| 3 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 4 | 3311405 | 7 | Nut 1/4 | |
| 5 | 3311605 | 4 | Nut 3/8 | |
| 6 | 3380434 | 1 | Panel, Molded | |
| 7 | 4740362 | 7 | Washer, Fender | |
| 8 | 4751400 | 4 | Washer 1/4 | |
| 9 | 4751600 | 8 | Washer 3/8 | |
| 10 | 1001267389 | 1 | Platform Console Box Assembly (See Separate Breakdown in this Section) | |

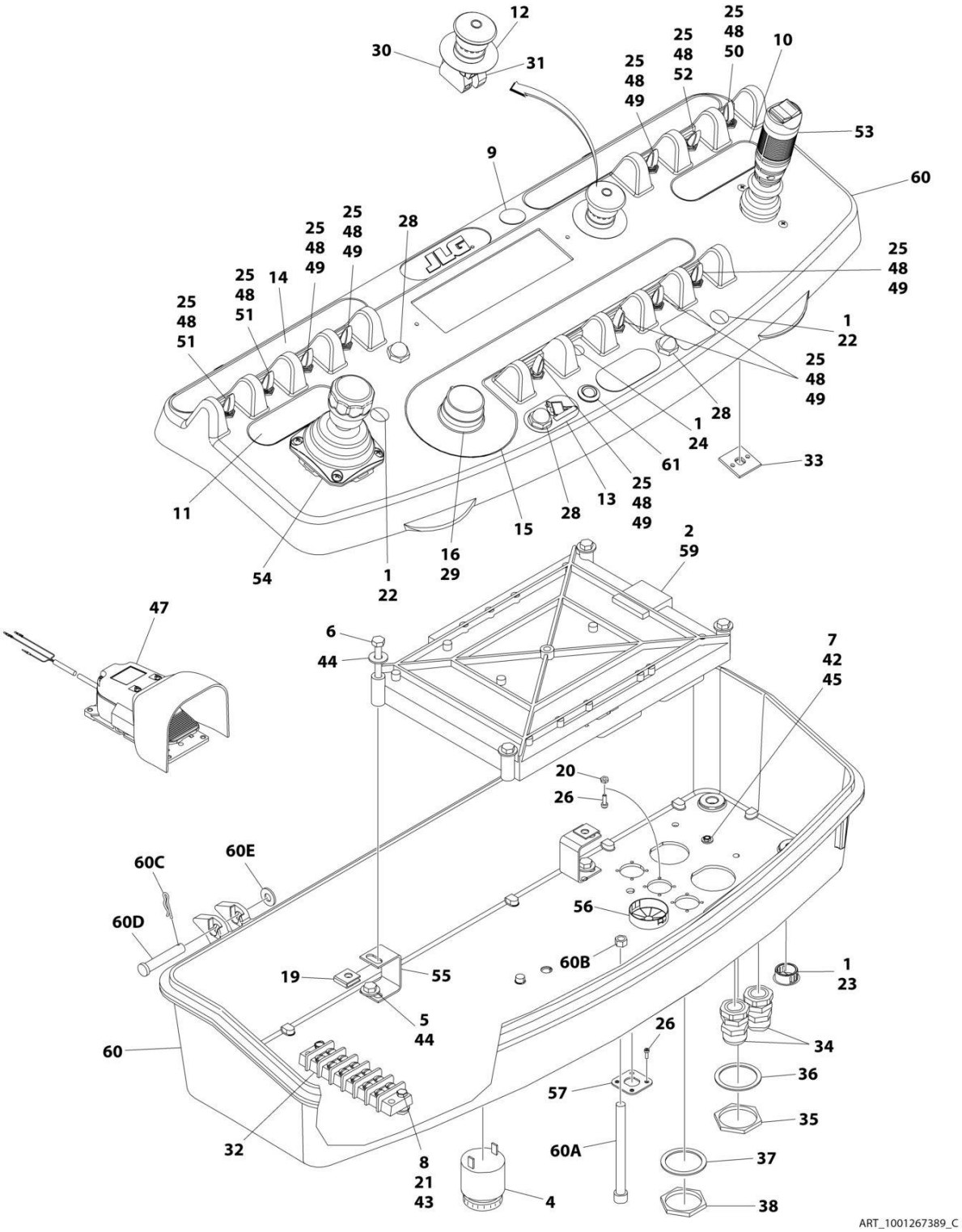
## FIGURE 5-14. PLATFORM CONTROLS INSTALLATION (WITH TOWER STOW)



## FIGURE 5-14. PLATFORM CONTROLS INSTALLATION (WITH TOWER STOW)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265901 | Ref | PLATFORM CONTROLS INSTALLATION | A |
| 1 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 2 | 0641408 | 3 | Bolt 1/4 x 1 | |
| 3 | 0641610 | 4 | Bolt 3/8 x 1-1/4 | |
| 4 | 3311405 | 7 | Nut 1/4 | |
| 5 | 3311605 | 4 | Nut 3/8 | |
| 6 | 3380434 | 1 | Panel, Molded | |
| 7 | 4740362 | 7 | Washer, Fender | |
| 8 | 4751400 | 4 | Washer 1/4 | |
| 9 | 4751600 | 8 | Washer 3/8 | |
| 10 | 1001265903 | 1 | Platform Console Box Assembly (See Separate Breakdown in this Section) | |

## FIGURE 5-15. PLATFORM CONSOLE ASSEMBLY (WITHOUT TOWER STOW)



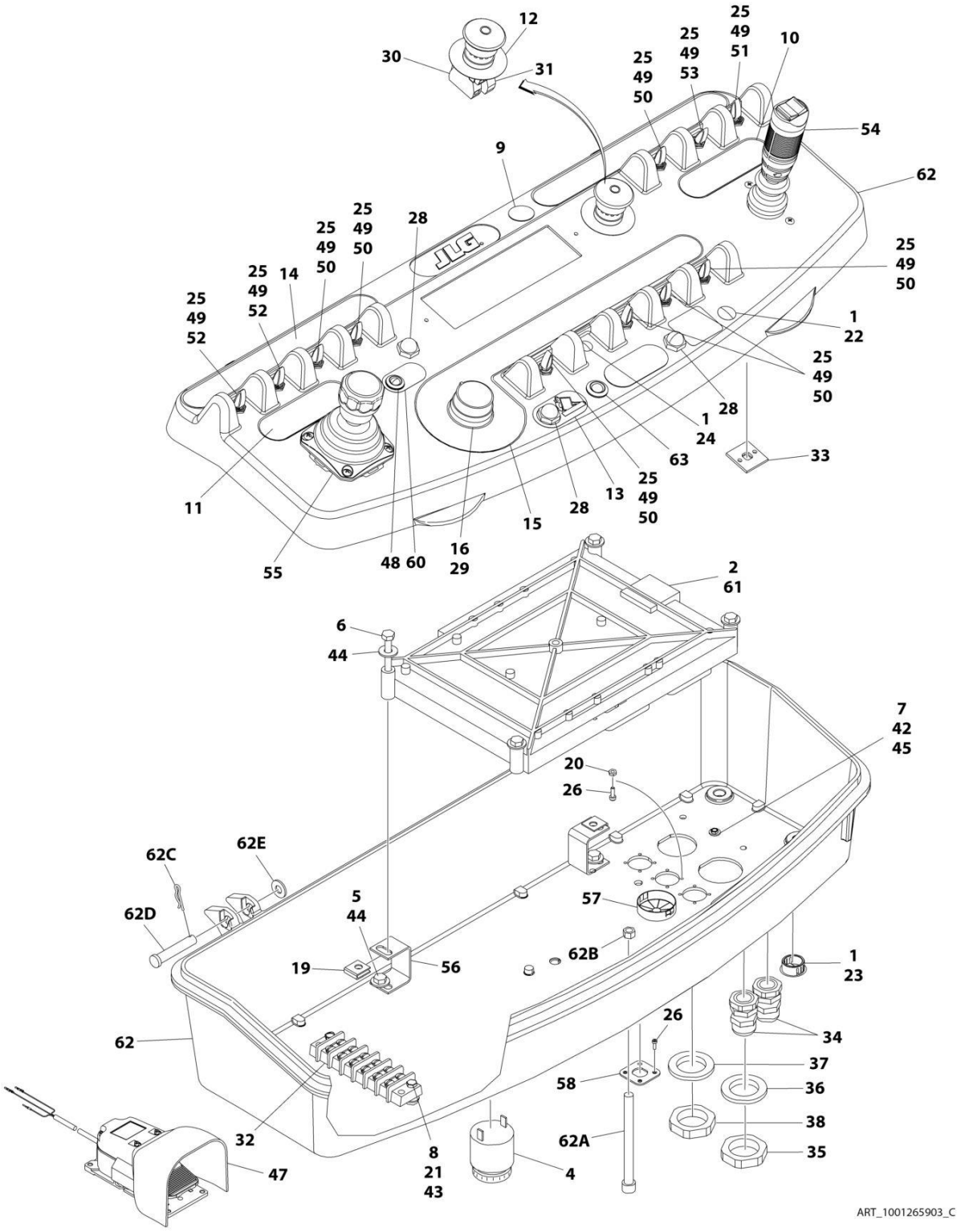
## FIGURE 5-15. PLATFORM CONSOLE ASSEMBLY (WITHOUT TOWER STOW)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001267389 | Ref | PLATFORM CONSOLE ASSEMBLY | C |
| 1 | 0100009 | AR | Sealant | |
| 2 | 0100035 | AR | Compound, Locking | |
| 4 | 0140011 | 1 | Alarm | |
| 5 | 0641405 | 4 | Bolt 1/4 x 5/8 | |
| 6 | 0641414 | 4 | Bolt 1/4 x 1-3/4 | |
| 7 | 0720804 | 1 | Screw #8 x 1/2 | |
| 8 | 0721006 | 2 | Bolt #10 x 3/4 | |
| 9 | 1671314 | 1 | Cover, Hole | |
| 10 | 1702565 | 1 | Decal - Drive and Steer | |
| 11 | 1702566 | 1 | Decal - Lift and Swing | |
| 12 | 1704260 | 1 | Decal - EMS | |
| 13 | 1705171 | 1 | Decal - Jib Stow | |
| 14 | 1705744 | 1 | Decal - Horn | |
| 15 | 1705745 | 1 | Decal - Function Speed | |
| 16 | 2560136 | 1 | Handle, Knob | |
| 19 | 3300353 | 4 | Nut, Tinnerman | |
| 20 | 3300482 | 2 | Nut M2.5 | |
| 21 | 3311005 | 2 | Nut #10 | |
| 22 | 3520026 | 2 | Plug, Hole | |
| 23 | 3520030 | 1 | Plug, Hole | |
| 24 | 3520054 | 1 | Plug, Hole | |
| 25 | 3790012 | 11 | O-Ring | |
| 26 | 3900349 | 12 | Capscrew M2.5 | |
| 28 | 4360387 | 3 | Switch, Pushbutton | |
| 29 | 4360407 | 1 | Controller, Speed | |
| 29 | See Note | NSS | Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller) | |
| 30 | 1001274559 | 1 | Switch, Emergency Stop | |
| 31 | 4360476 | 1 | Block, Contact | |
| 32 | 4460007 | 1 | Bar, Buss | |
| 33 | 4460234 | AR | Mount, Tie-Strap | |
| 34 | 4460428 | 2 | Connector, Strain Relief | |
| 35 | 4460470 | 1 | Nut, Terminal | |
| 36 | 4460471 | 1 | Washer, Terminal | |
| 37 | 4460496 | 1 | Nut, Terminal | |
| 38 | 4460497 | 1 | Washer, Terminal | |
| 42 | 4750800 | 1 | Washer #8 | |
| 43 | 4751000 | 2 | Washer #10 | |
| 44 | 4751400 | 8 | Washer 1/4 | |
| 45 | 4760800 | 1 | Washer | |
| 46 | 4922666 | 1 | Harness, Analyzer Cable (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 47 | 1001117174 | 1 | Footswitch Assembly (See Separate Breakdown in this Section) | |
| 48 | 1001155044 | 11 | Nut 15/32-32 | |
| 49 | 1001155045 | 7 | Switch, Toggle | |
| 50 | 1001159256 | 1 | Switch, Toggle | |
| 51 | 1001161709 | 2 | Switch, Toggle | |
| 52 | 1001161710 | 1 | Switch, Toggle | |

# SECTION 5 - PLATFORM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 53 | 1001166538 | NLA | Controller Assembly (Drive and Steer) (Use p/n 1001212415) (See Separate Breakdown in this Section) | |
| 54 | 1001166539 | NLA | Controller Assembly (Lift and Swing) (Use p/n 1001129555) (See Separate Breakdown in this Section) | |
| 55 | 1001172760 | 4 | Bracket, Support | |
| 56 | 1001185281 | 1 | Plug | |
| 57 | 1001220929 | 1 | Mount, Connector | |
| 58 | 1001241891 | 1 | Harness, Console Box (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 59 | 1600343 | 1 | Module, Platform Control (Note: Re-calibration Required when Replaced) | |
| 60 | 1001265905 | 1 | Box, Console | B |
| 60A | 0630568 | 1 | Screw 3/8 x 4-1/2 | |
| 60B | 3311601 | 1 | Nut 3/8 | |
| 60C | 3430616 | 2 | Clevis | |
| 60D | 3470003 | 2 | Pin | |
| 60E | 4711600 | 2 | Washer 3/8 | |
| 61 | 1001206532 | 1 | Light, Indicator | |
| 62 | 4240099 | AR | Tie-Strap (Not Shown) | |

## FIGURE 5-16. PLATFORM CONSOLE ASSEMBLY (WITH TOWER STOW)



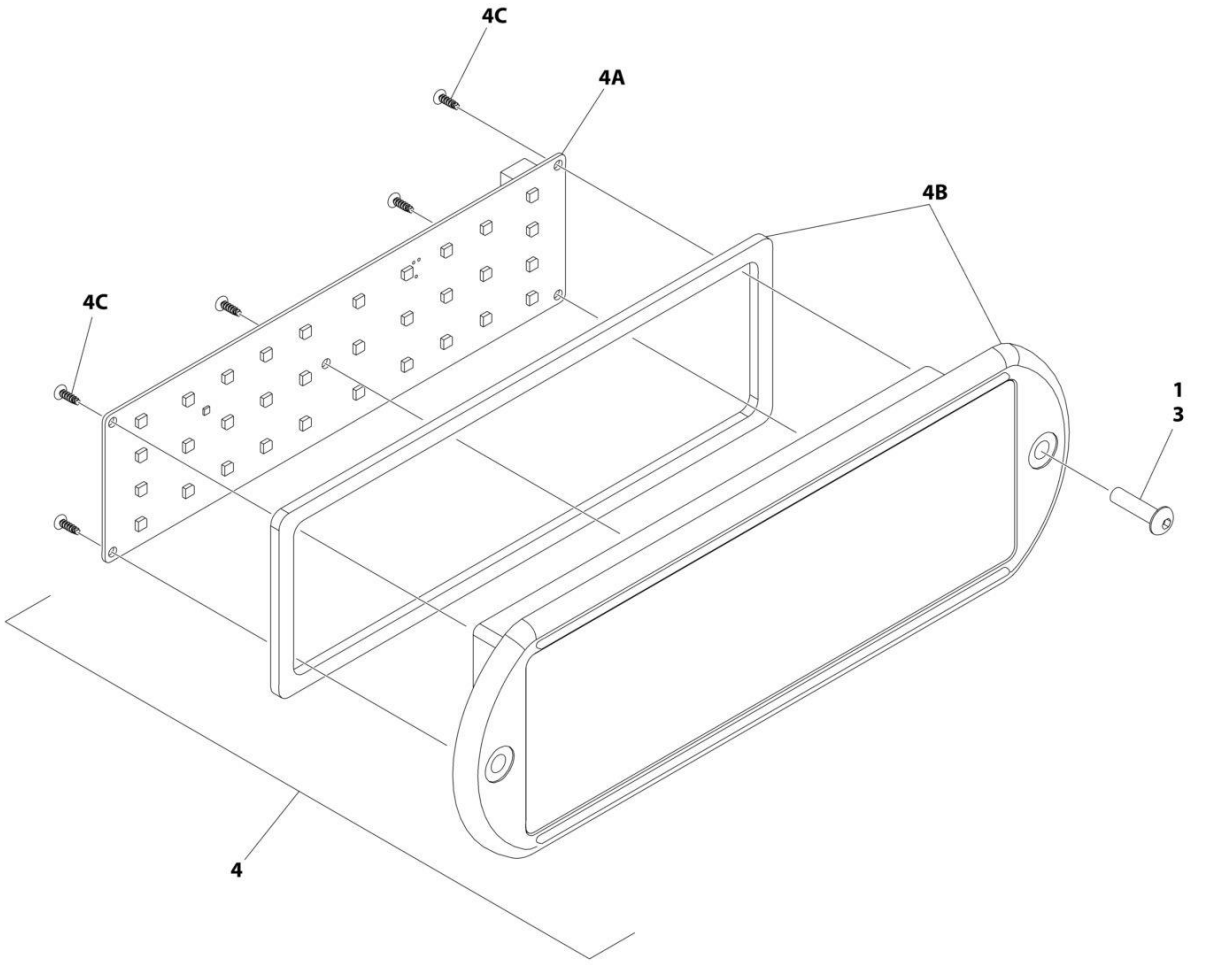
## FIGURE 5-16. PLATFORM CONSOLE ASSEMBLY (WITH TOWER STOW)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001265903 | Ref | PLATFORM CONSOLE ASSEMBLY | C |
| 1 | 0100009 | AR | Sealant | |
| 2 | 0100035 | AR | Compound, Locking | |
| 4 | 0140011 | 1 | Alarm | |
| 5 | 0641405 | 1 | Bolt 1/4 x 5/8 | |
| 6 | 0641414 | 4 | Bolt 1/4 x 1-3/4 | |
| 7 | 0720804 | 1 | Screw #8 x 1/2 | |
| 8 | 0721006 | 2 | Bolt #10 x 3/4 | |
| 9 | 1671314 | 1 | Cover, Hole | |
| 10 | 1702565 | 1 | Decal - Drive and Steer | |
| 11 | 1702566 | 1 | Decal - Lift and Swing | |
| 12 | 1704260 | 1 | Decal - EMS | |
| 13 | 1705171 | 1 | Decal - Jib Stow | |
| 14 | 1705744 | 1 | Decal - Horn | |
| 15 | 1705745 | 1 | Decal - Function Speed | |
| 16 | 2560136 | 1 | Handle, Knob | |
| 19 | 3300353 | 4 | Nut, Tinnerman | |
| 20 | 3300482 | 2 | Nut M2.5 | |
| 21 | 3311005 | 2 | Nut #10 | |
| 22 | 3520026 | 1 | Plug, Hole | |
| 23 | 3520030 | 1 | Plug, Hole | |
| 24 | 3520054 | 1 | Plug, Hole | |
| 25 | 3790012 | 11 | O-Ring | |
| 26 | 3900349 | 12 | Capscrew M2.5 | |
| 28 | 4360387 | 3 | Switch, Pushbutton | |
| 29 | 4360407 | 1 | Controller, Speed | |
| | See Note | NSS | Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller) | |
| 30 | 1001274559 | 1 | Switch, Emergency Stop | |
| 31 | 4360476 | 1 | Block, Contact | |
| 32 | 4460007 | 1 | Bar, Buss | |
| 33 | 4460234 | AR | Mount, Tie-Strap | |
| 34 | 4460428 | 2 | Connector, Strain Relief | |
| 35 | 4460470 | 1 | Nut, Terminal | |
| 36 | 4460471 | 1 | Washer, Terminal | |
| 37 | 4460496 | 1 | Nut, Terminal | |
| 38 | 4460497 | 1 | Washer, Terminal | |
| 42 | 4750800 | 1 | Washer #8 | |
| 43 | 4751000 | 2 | Washer #10 | |
| 44 | 4751400 | 8 | Washer 1/4 | |
| 45 | 4760800 | 1 | Washer | |
| 46 | 4922666 | 1 | Harness, Analyzer Cable (Not Shown - See Separate Breakdown in ELECTRICAL Section) | |
| 47 | 1001117174 | 1 | Footswitch Assembly (See Separate Breakdown in this Section) | |
| 48 | 1001137364 | 1 | Light, Indicator | |
| 49 | 1001155044 | 11 | Nut 15/32-32 | |
| 50 | 1001155045 | 7 | Switch, Toggle | |
| 51 | 1001159256 | 1 | Switch, Toggle | |
| 52 | 1001161709 | 2 | Switch, Toggle | |
| 53 | 1001161710 | 1 | Switch, Toggle | |

# SECTION 5 - PLATFORM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 54 | 1001166538 | NLA | Controller Assembly - Drive and Steer (Use p/n 1001212415) (See Separate Breakdown in this Section) | |
| 55 | 1001166539 | NLA | Controller Assembly - Lift and Swing (Use p/n 1001129555) (See Separate Breakdown in this Section) | |
| 56 | 1001172760 | 4 | Bracket, Support | |
| 57 | 1001185281 | 1 | Plug | |
| 58 | 1001220929 | 1 | Mount, Connector | |
| 59 | 1001241891 | 1 | Harness, Console Box (Not Shown - See Separate Breakdown in ELECTRICAL SECTION) | |
| 60 | 1001260937 | 1 | Decal | |
| 61 | 1600343 | 1 | Module, Platform Control (Note: Re-calibration Required when Replaced) | |
| 62 | 1001265905 | 1 | Box, Console | B |
| 62A | 0630568 | 1 | Screw 3/8 x 4-1/2 | |
| 62B | 3311601 | 1 | Nut 3/8 | |
| 62C | 3430616 | 2 | Clevis | |
| 62D | 3470003 | 2 | Pin | |
| 62E | 4711600 | 2 | Washer 3/8 | |
| 63 | 1001206532 | 1 | Light, Indicator | |
| 64 | 4240099 | AR | Tie-Strap (Not Shown) | |

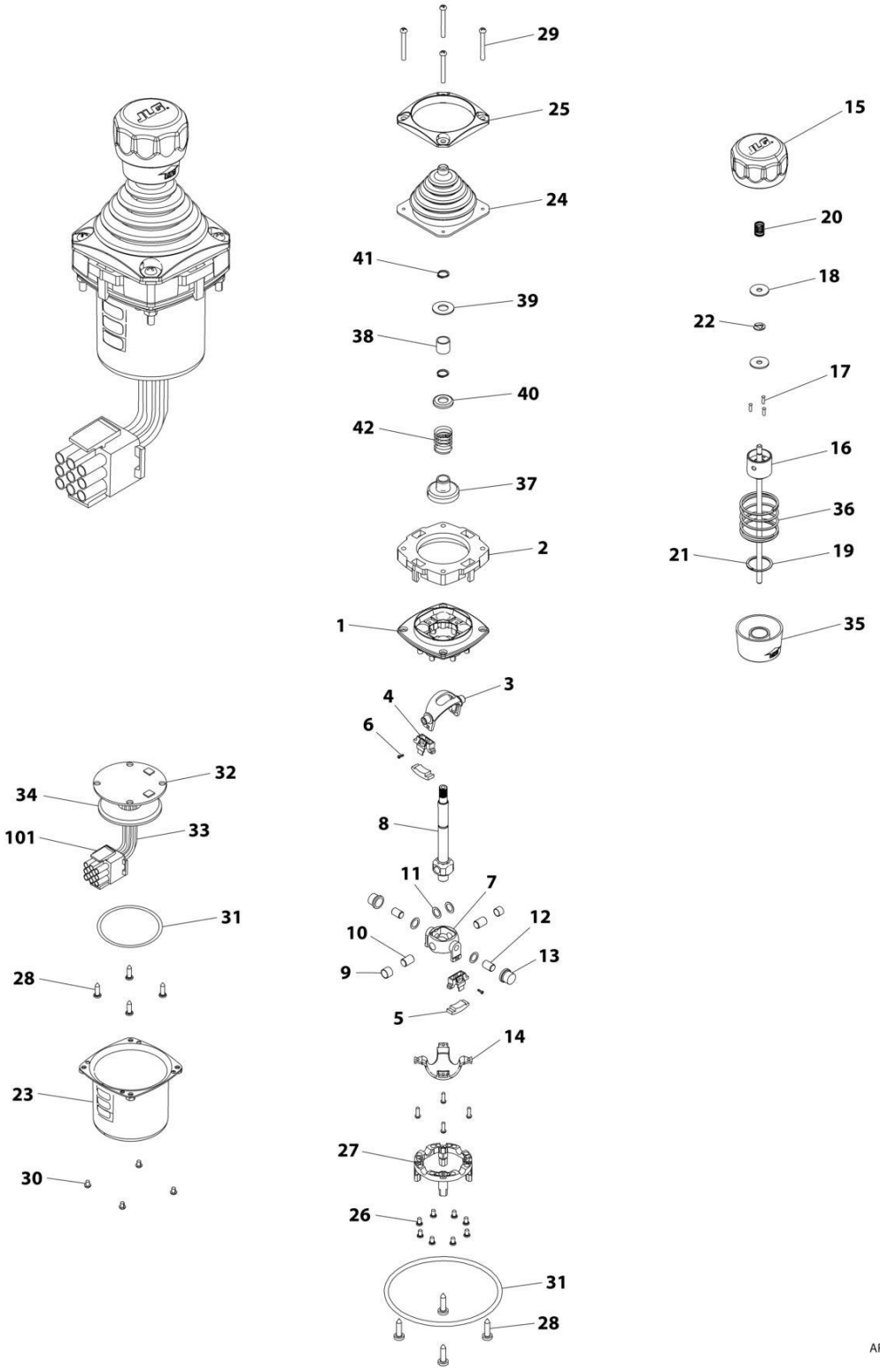
## FIGURE 5-17. LIGHT PANEL INSTALLATION



## FIGURE 5-17. LIGHT PANEL INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001233959 | Ref | LIGHT PANEL INSTALLATION - PLATFORM CONSOLE | D |
| 1 | 0100035 | AR | Compound, Locking | |
| 3 | 0630518 | 2 | Screw #10 x 3/4 | |
| 4 | 1001284583 | 1 | Light Panel Assembly | A |
| 4A | 1001282106 | 1 | Panel, LED Light | |
| 4B | 1001284582 | 1 | Lens, Icon (Includes Gasket) | |
| 4C | | Ref | Screw | |

## FIGURE 5-18. CONTROLLER ASSEMBLY (LIFT AND SWING)



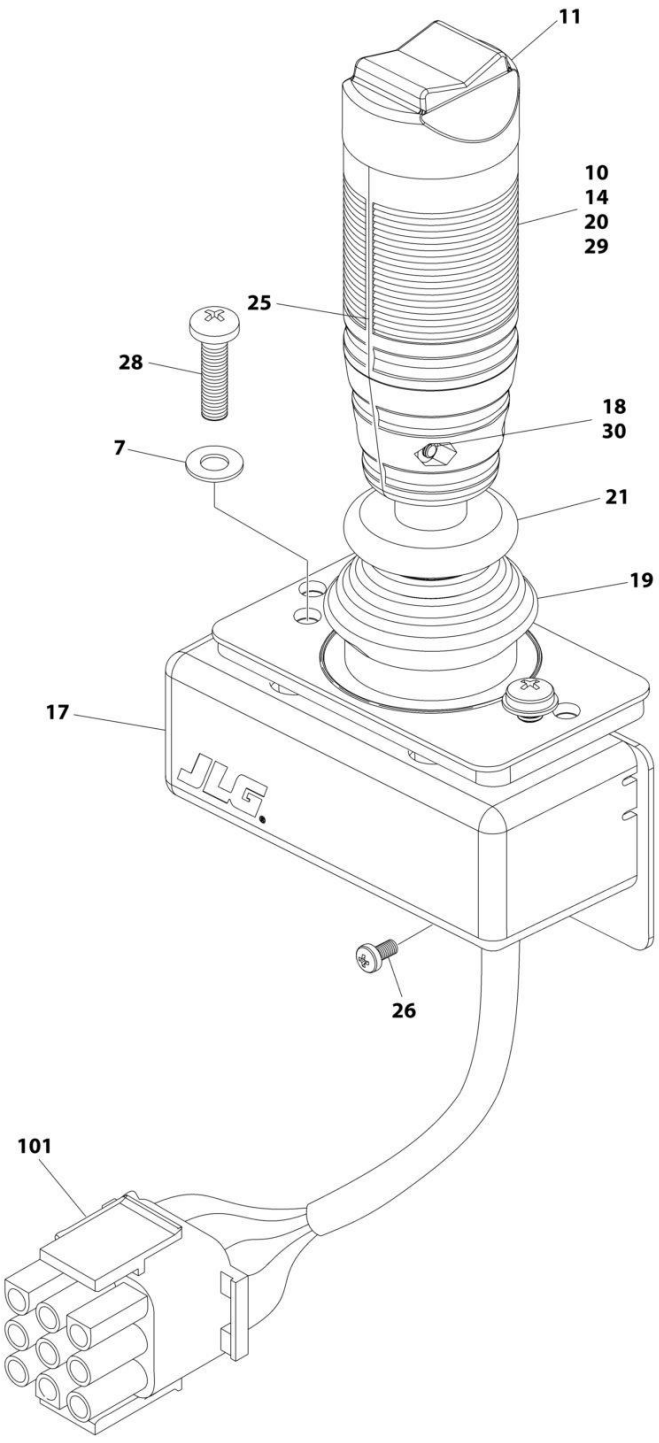
## FIGURE 5-18. CONTROLLER ASSEMBLY (LIFT AND SWING)

| 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 | |

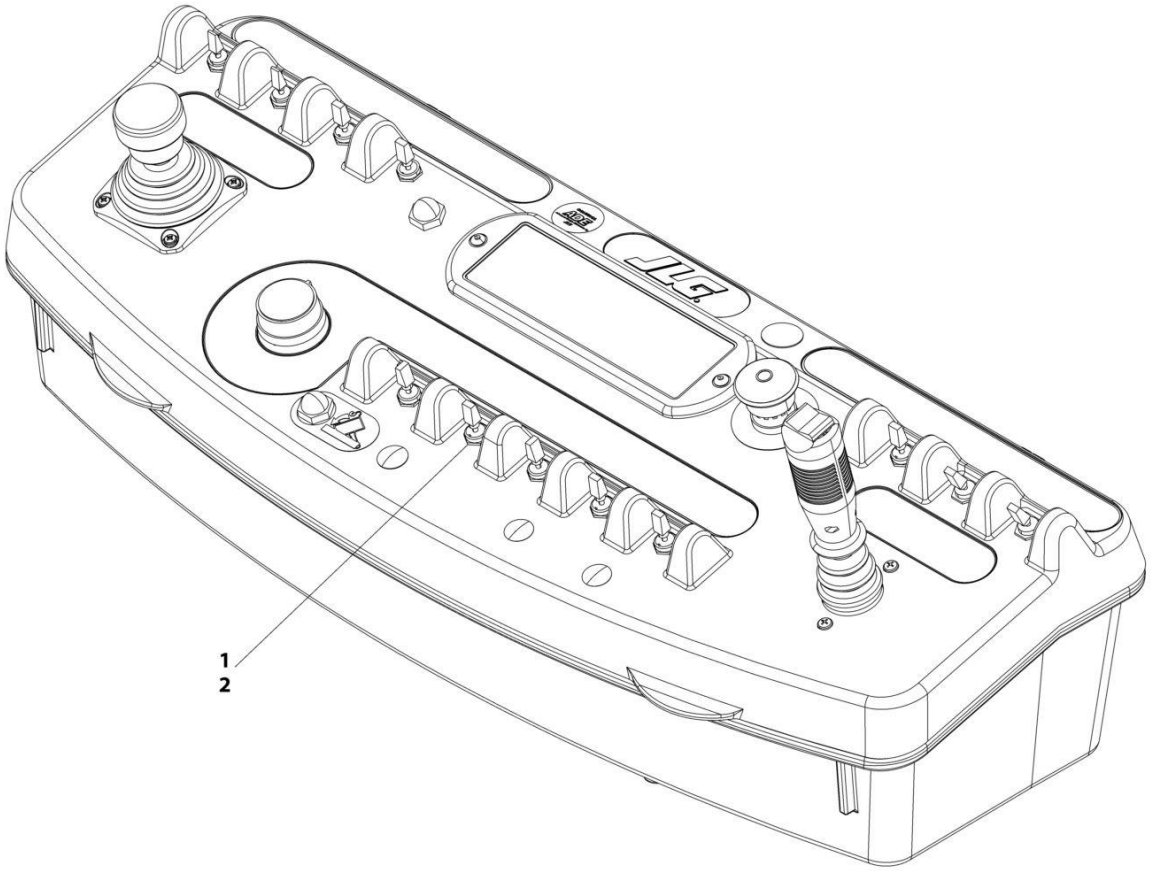
## FIGURE 5-19. CONTROLLER ASSEMBLY (DRIVE AND STEER)



## FIGURE 5-19. 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 | |

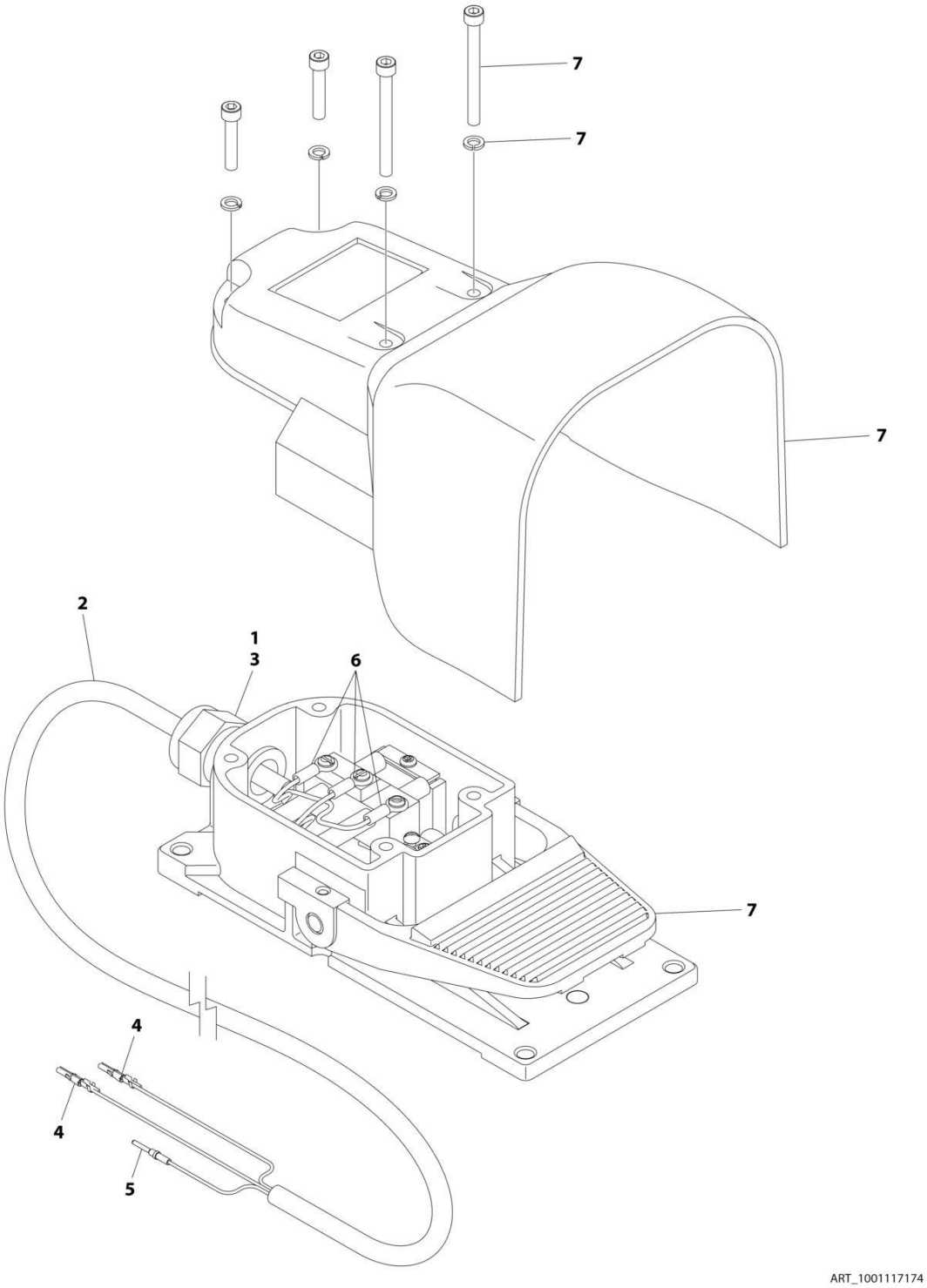
## FIGURE 5-20. TOWER LIFT SWITCH INSTALLATION



## FIGURE 5-20. TOWER LIFT SWITCH INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273446 | Ref | TOWER LIFT SWITCH INSTALLATION | A |
| 1 | 3790012 | 1 | O-Ring | |
| 2 | 4360328 | 1 | Switch, Toggle | |

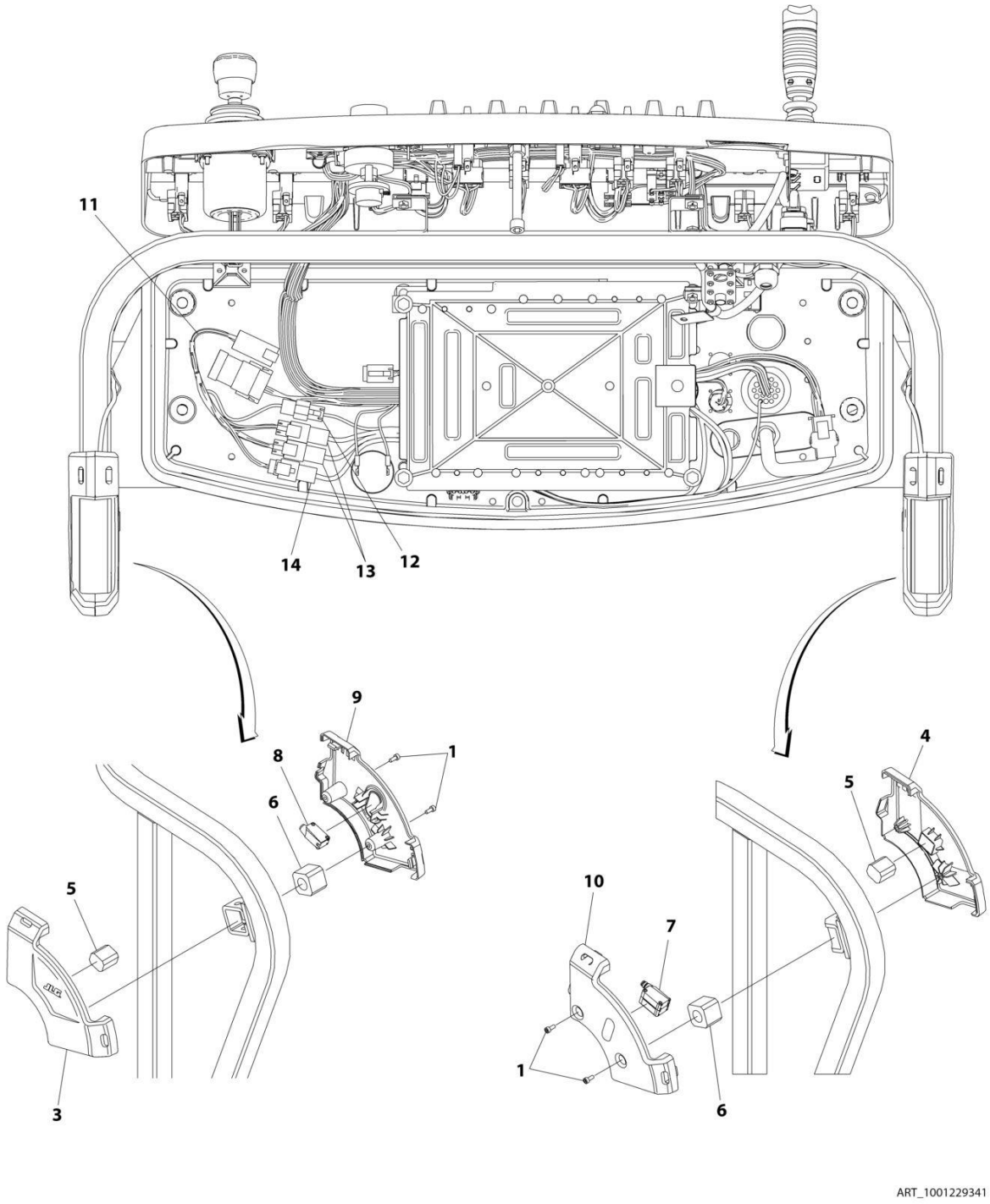
## FIGURE 5-21. FOOTSWITCH ASSEMBLY



## FIGURE 5-21. 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 | |

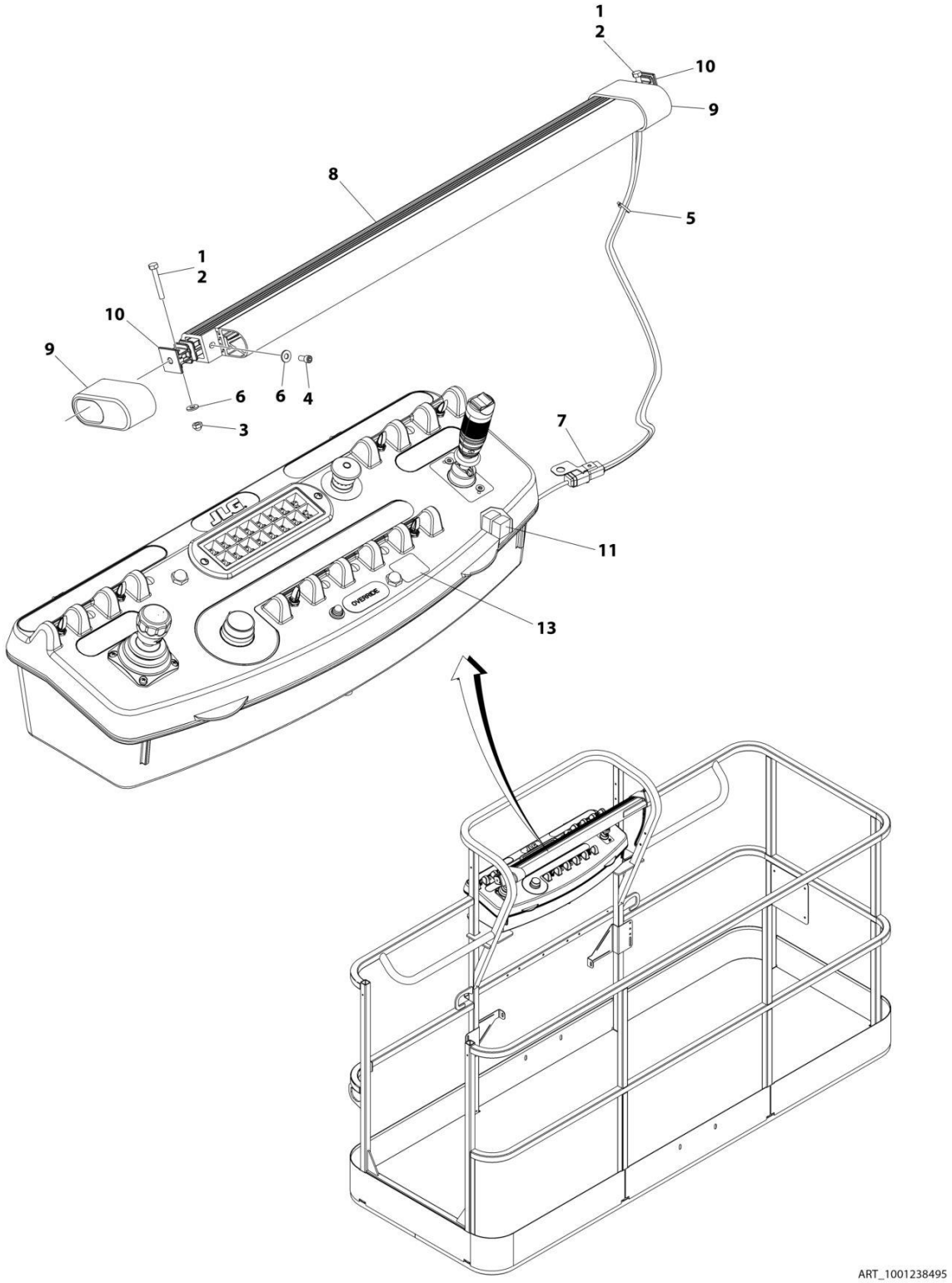
## FIGURE 5-22. SKYEYE INSTALLATION



## FIGURE 5-22. 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) | |

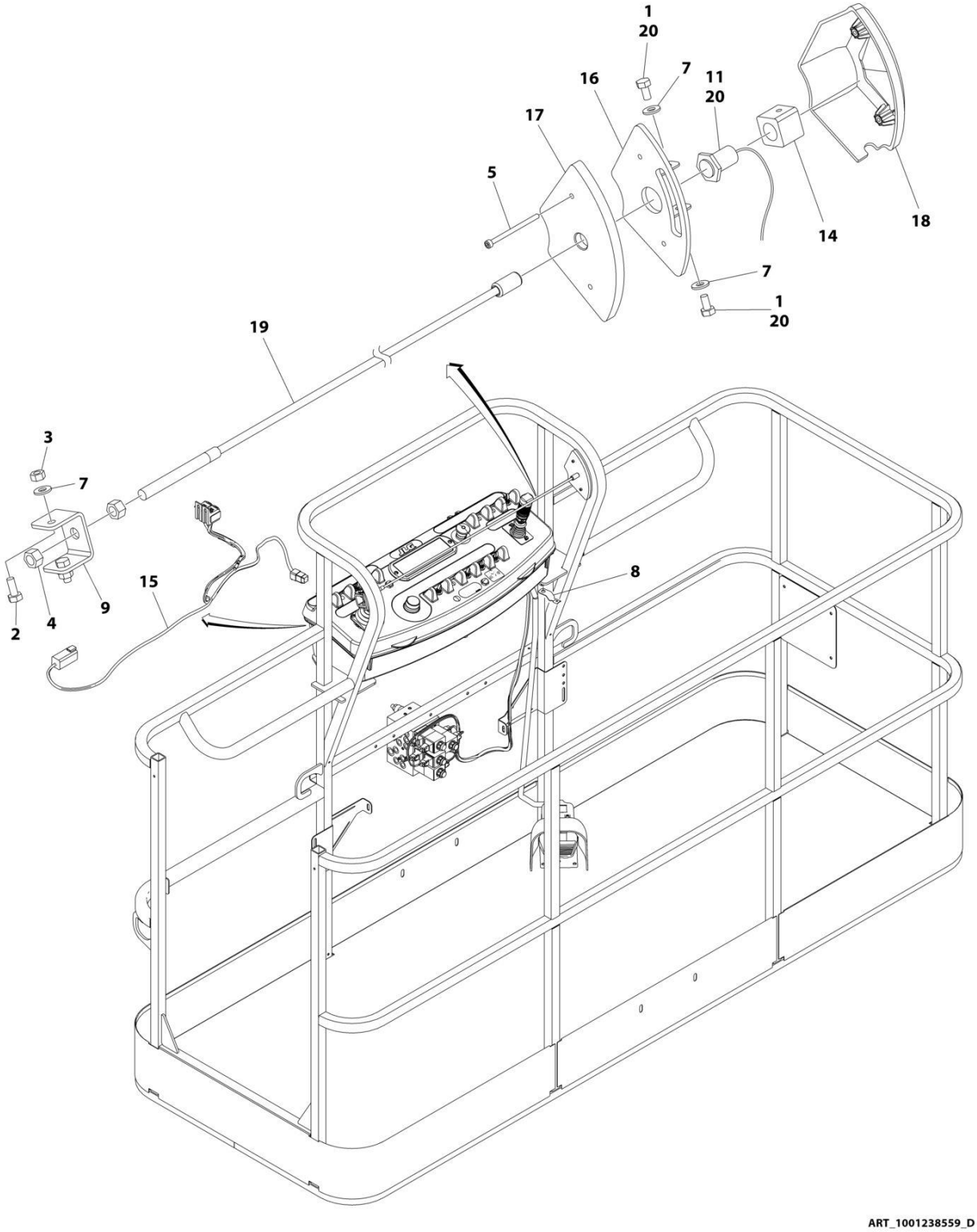
## FIGURE 5-23. SKYGUARD BAR INSTALLATION



## FIGURE 5-23. 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 | |

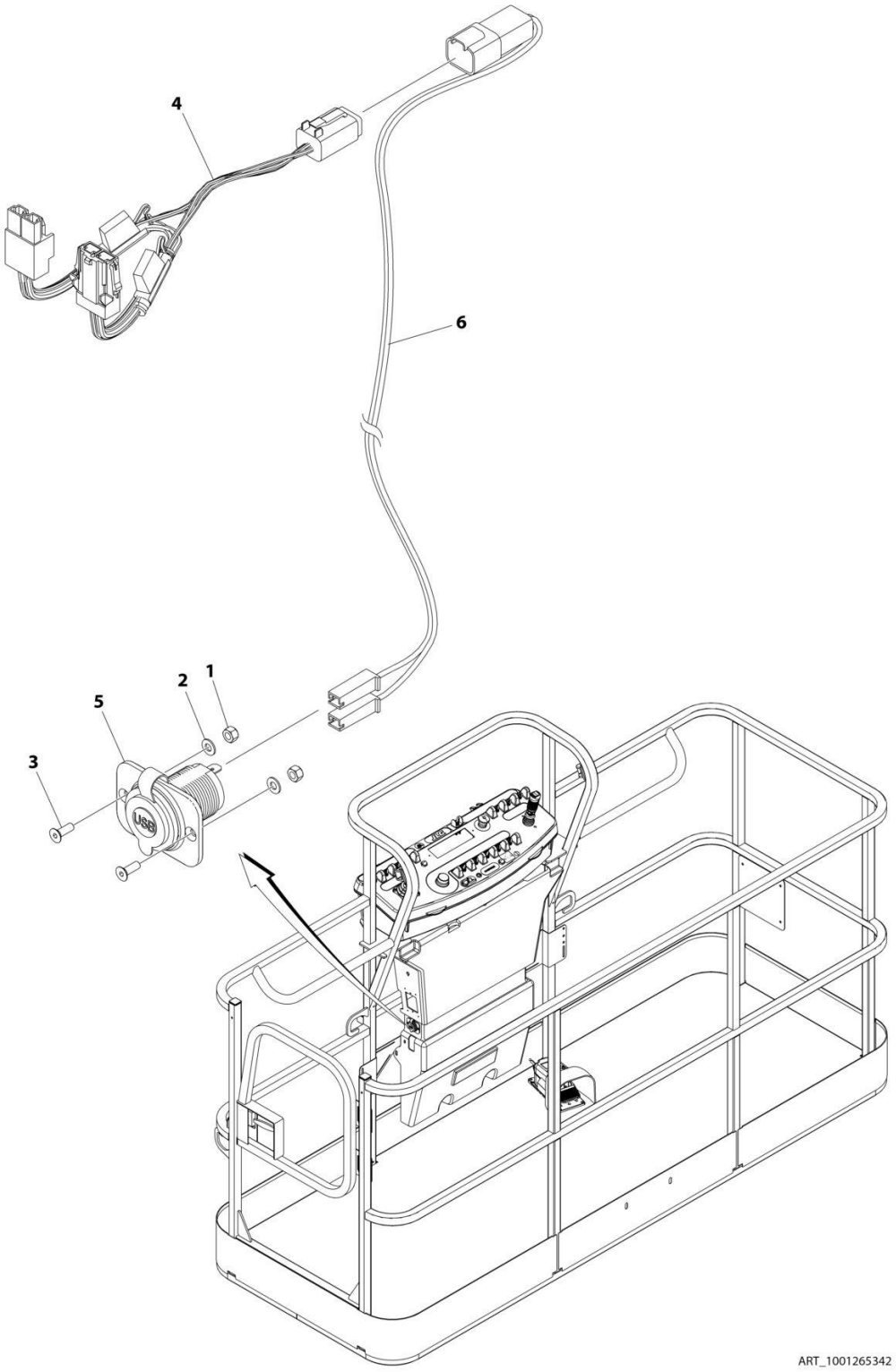
## FIGURE 5-24. SKYLINE INSTALLATION



## FIGURE 5-24. 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 | |

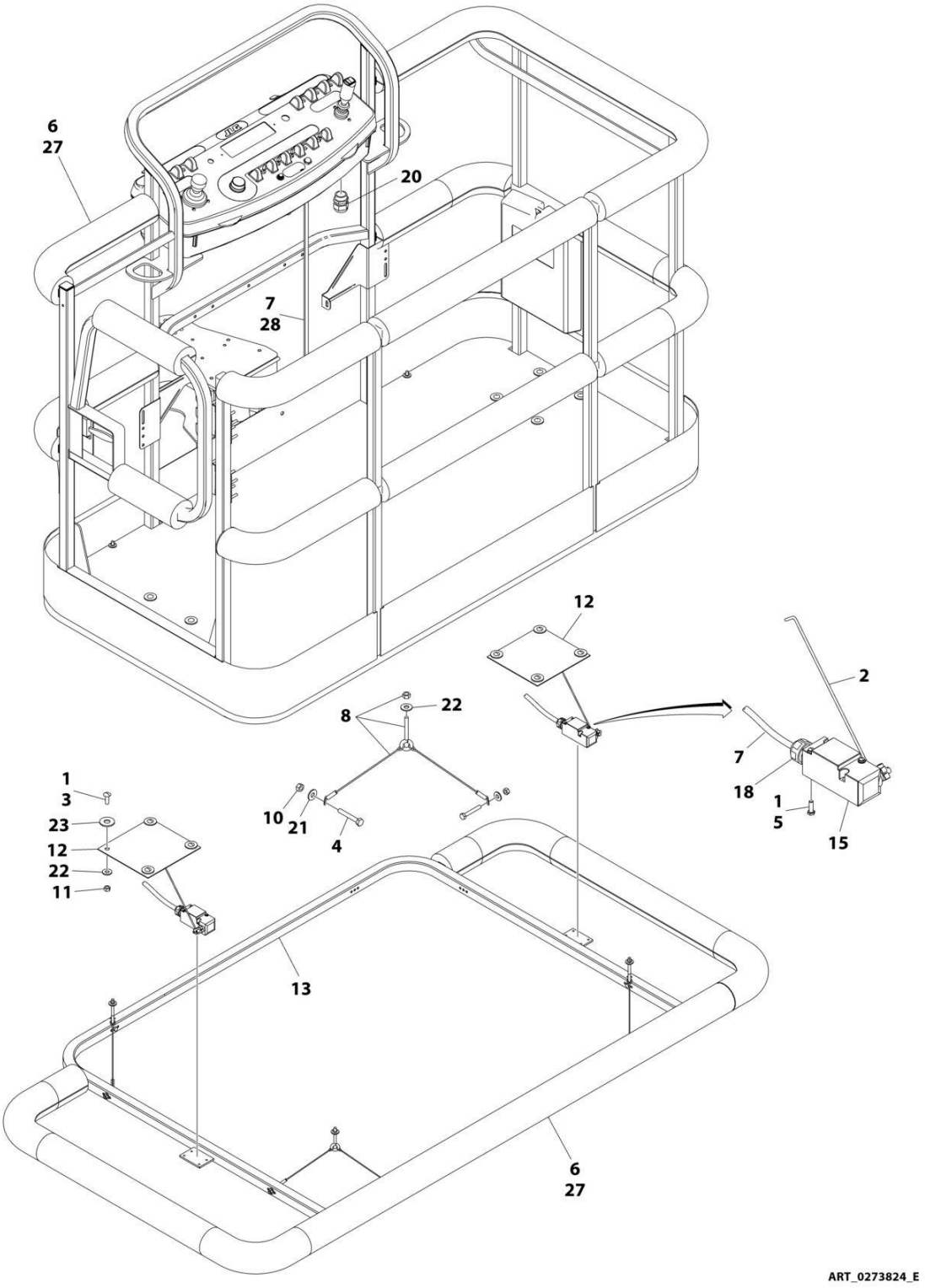
## FIGURE 5-25. USB CHARGER INSTALLATION



## FIGURE 5-25. 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 | |

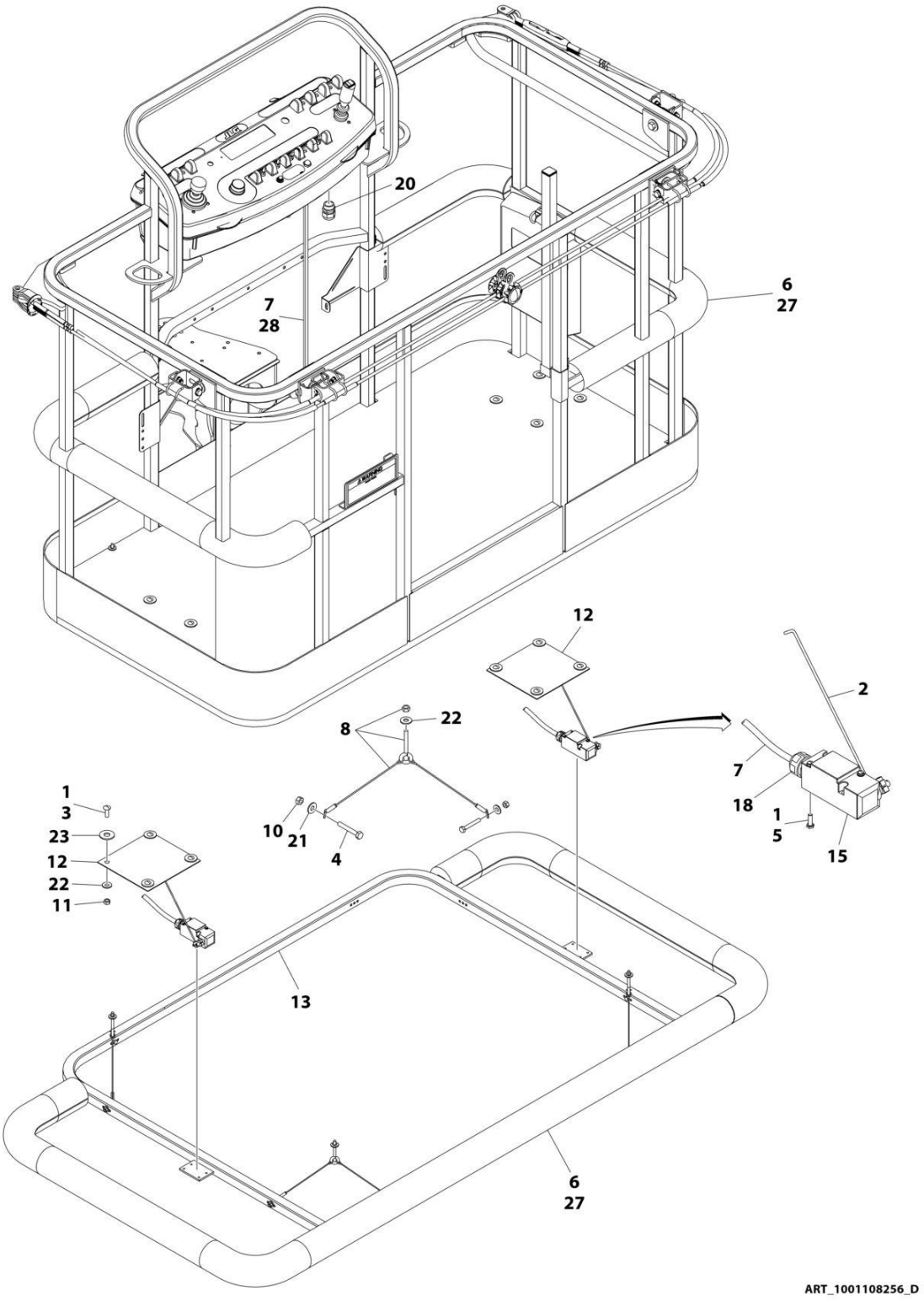
## FIGURE 5-26. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M PLATFORMS (OPTIONAL)



## FIGURE 5-26. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.8M PLATFORMS (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273824 | Ref | SOFT TOUCH SYSTEM INSTALLATION | E |
| 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 | |
| 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 | |
| 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 | |
| 27 | 1001197017 | AR | Tie-Strap | |
| 28 | 4460226 | 4 | Socket | |

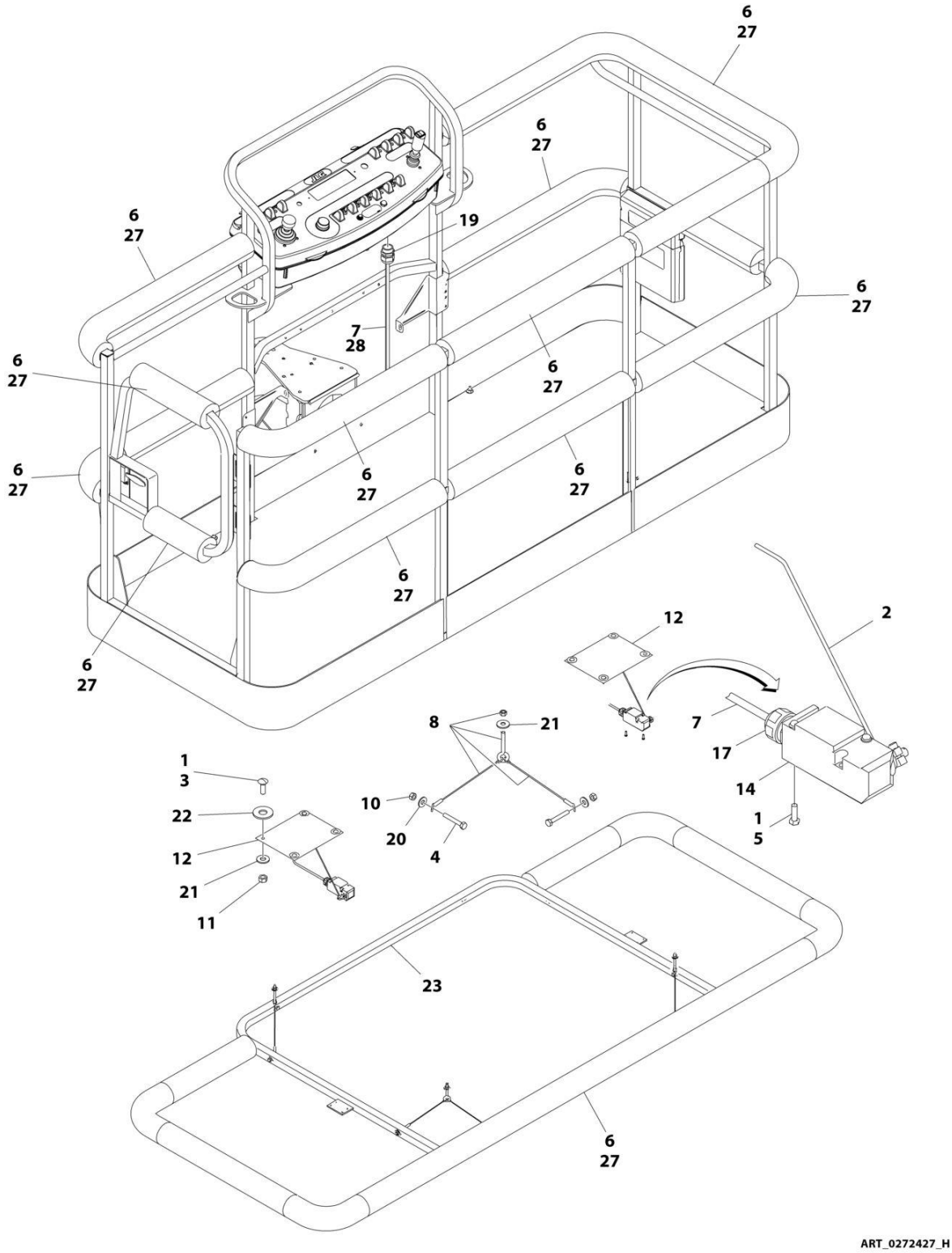
## FIGURE 5-27. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM



## FIGURE 5-27. SOFT TOUCH SYSTEM INSTALLATION - 6FT/1.83M FALL ARREST PLATFORM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001108256 | 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 | 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 | |
| 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 | |
| 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 | |
| 27 | 1001197017 | AR | Strap, Cable Tie (Yellow) | |
| 28 | 4460226 | 4 | Socket | |

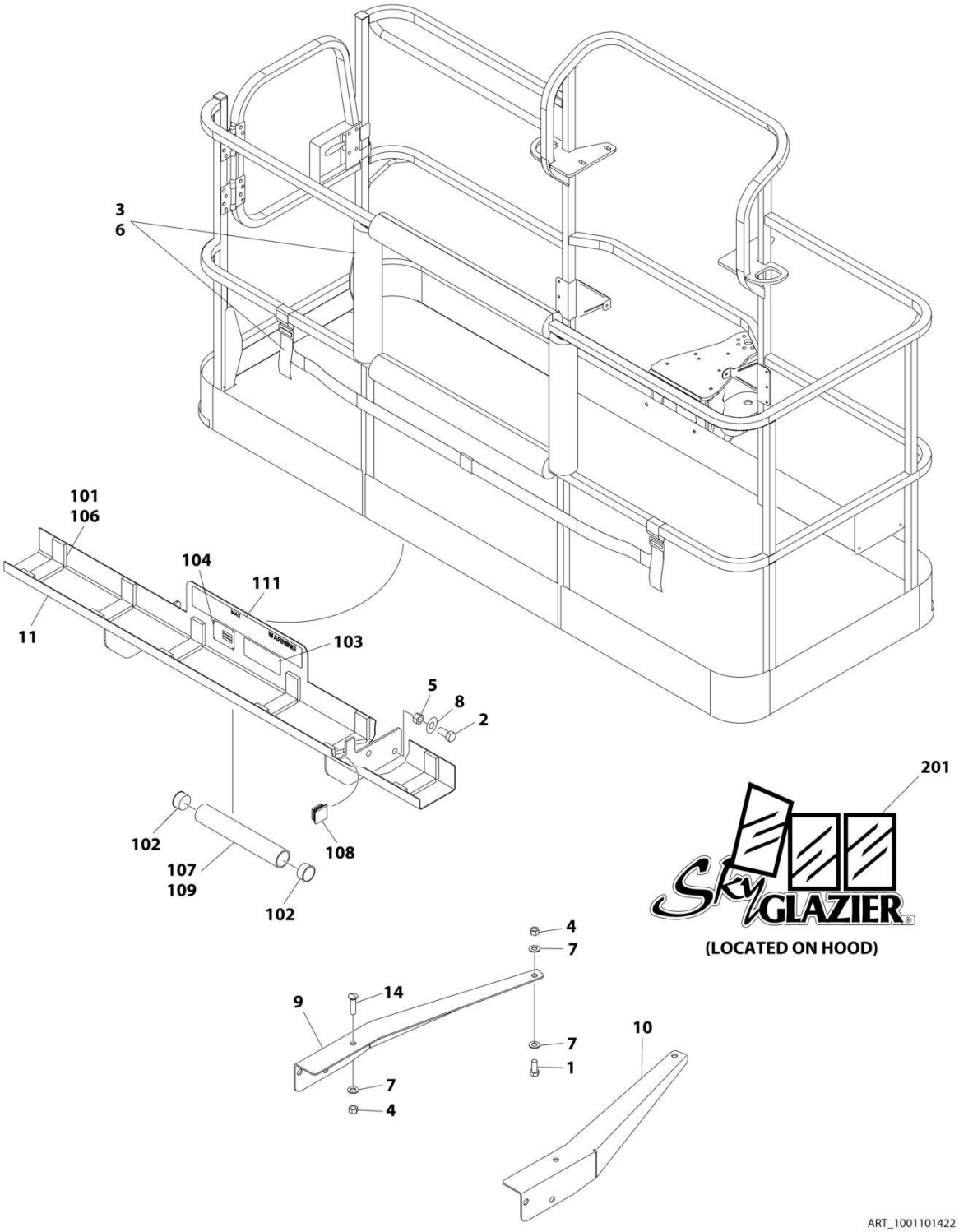
## FIGURE 5-28. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.4M PLATFORMS (OPTIONAL)



## FIGURE 5-28. SOFT TOUCH SYSTEM INSTALLATION - 8FT/2.4M PLATFORMS (OPTIONAL)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0272427 | Ref | SOFT TOUCH INSTALLATION - 36IN X 8FT (91.5CM X 2.44M) PLATFORM | H |
| 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 | |
| 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 | |
| 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 | |
| 27 | 1001197017 | AR | Tie-Strap | |
| 28 | 4460226 | 1 | Socket | |

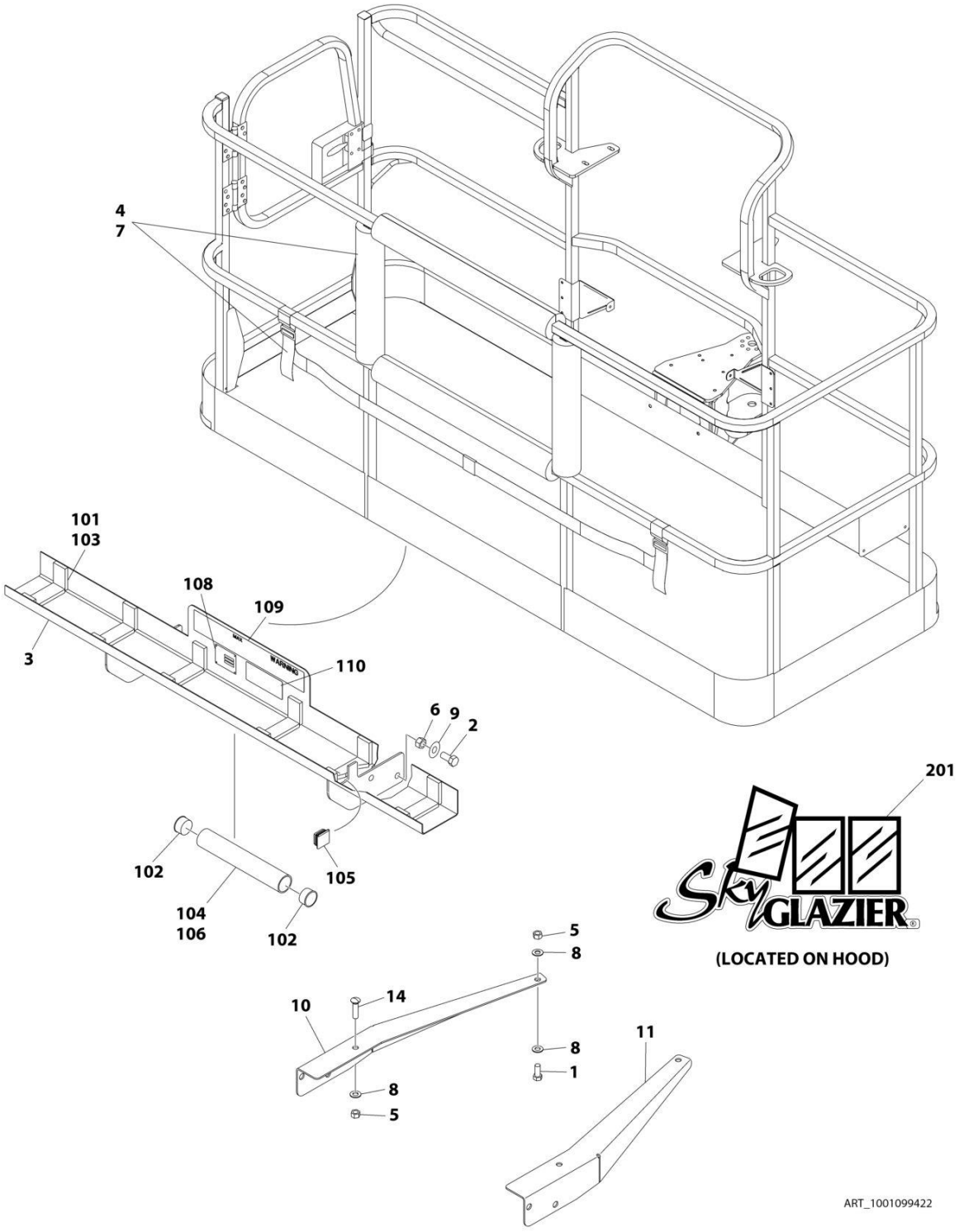
## FIGURE 5-29. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS)



## FIGURE 5-29. SKYGLAZIER INSTALLATION (ANSI, AUSTRALIAN AND CSA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001101422 | Ref | SKYGLAZIER INSTALLATION | C |
| 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 | 1001099366 | 1 | Support | |
| 10 | 1001099367 | 1 | Support | |
| 11 | 1001101421 | 1 | Tray Assembly (See Items 101-111 for Breakdown) | |
| 14 | 8310129 | 2 | Bolt 3/4 x 2-1/2 | |
| | 1001101421 | Ref | TRAY ASSEMBLY | F |
| 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 | 1001163131 | 2 | Decal - Glazier Capacity | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

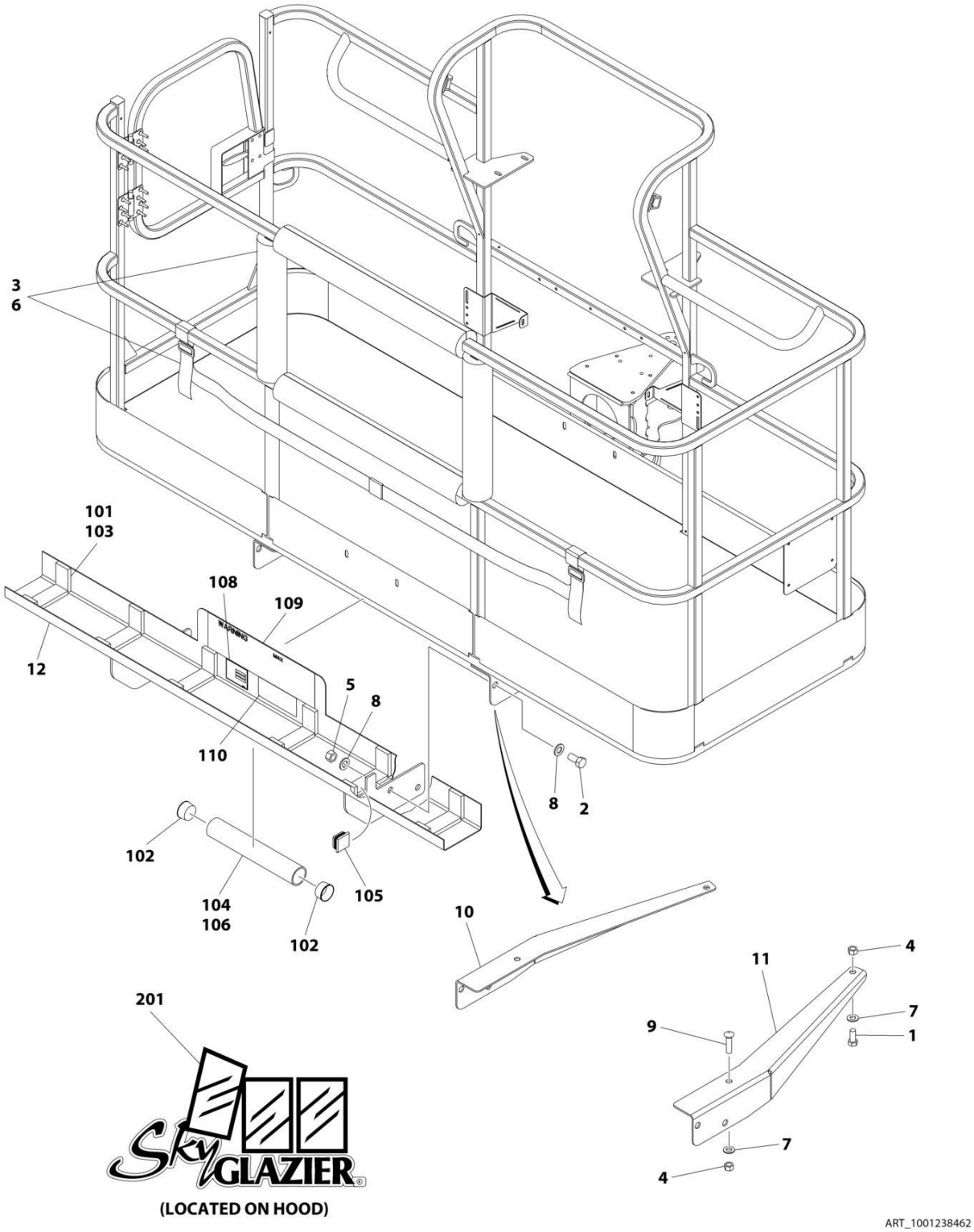
## FIGURE 5-30. SKYGLAZIER INSTALLATION (BRAZIL SPECS)



## FIGURE 5-30. SKYGLAZIER INSTALLATION (BRAZIL SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001099422 | Ref | SKYGLAZIER INSTALLATION | C |
| 1 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 2 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 3 | 0272951 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 1001099366 | 1 | Support | |
| 11 | 1001099367 | 1 | Support | |
| 14 | 8310129 | 2 | Bolt 3/4 x 2-1/2 | |
| | 0272951 | Ref | TRAY ASSEMBLY | F |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163297 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

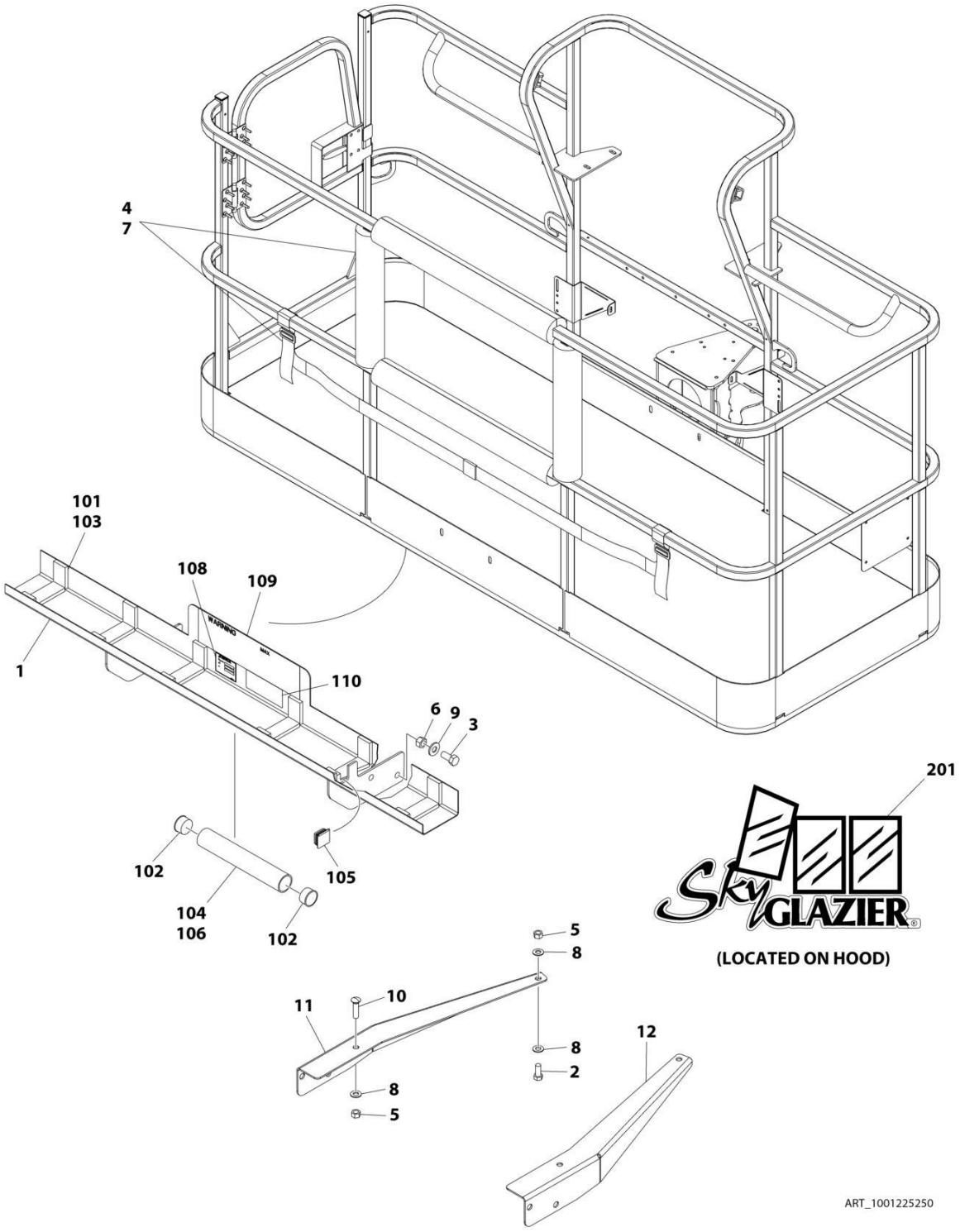
## FIGURE 5-31. SKYGLAZIER INSTALLATION (DANISH SPECS)



## FIGURE 5-31. SKYGLAZIER INSTALLATION (DANISH SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001238462 | 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 | 4 | Washer 5/8 | |
| 8 | 4712200 | 8 | Washer 3/4 | |
| 9 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 10 | 1001099366 | 1 | Support | |
| 11 | 1001099367 | 1 | Support | |
| 12 | 1001238423 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| | 1001238423 | Ref | TRAY ASSEMBLY | B |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001237705 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

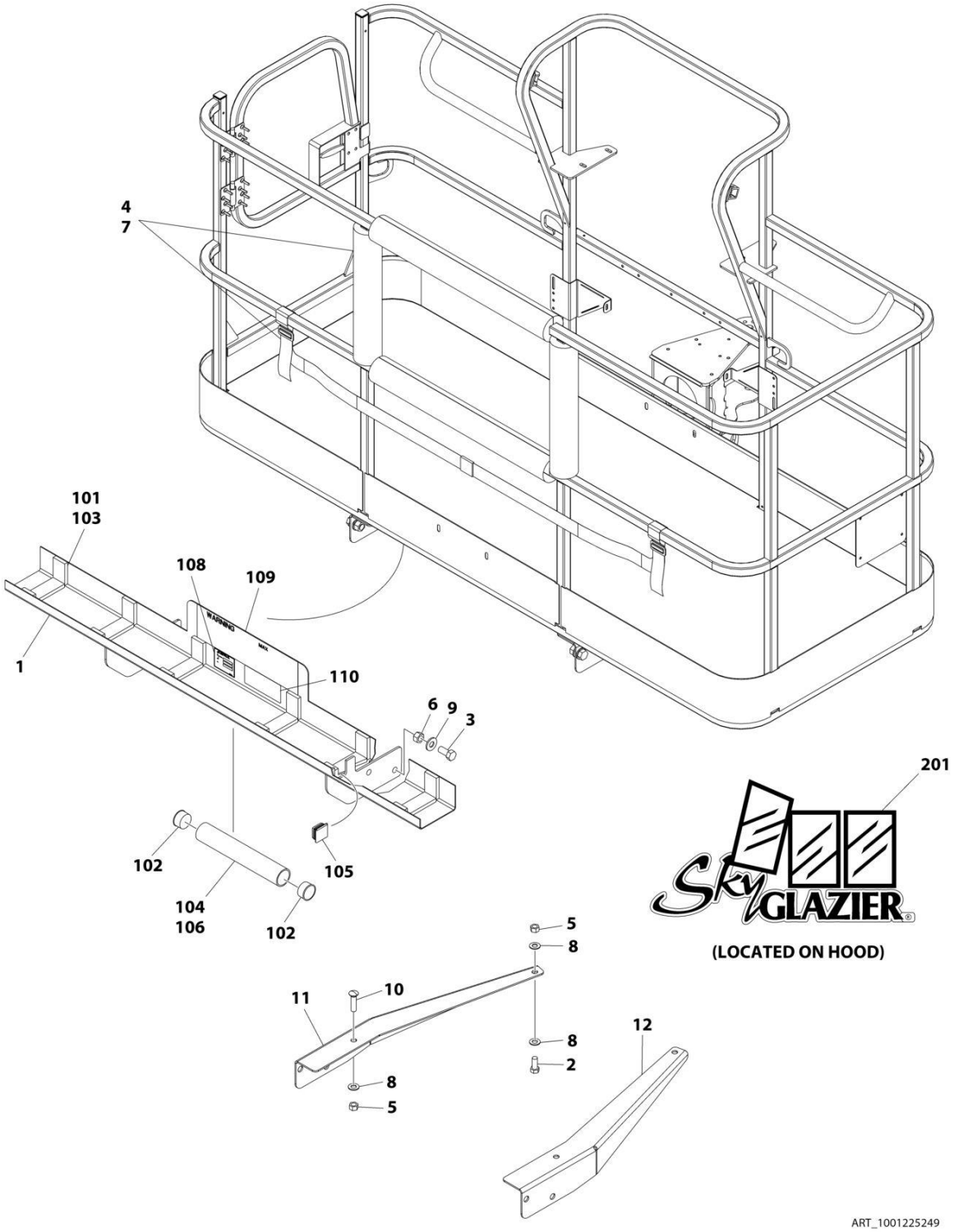
## FIGURE 5-32. SKYGLAZIER INSTALLATION (FRENCH SPECS)



## FIGURE 5-32. SKYGLAZIER INSTALLATION (FRENCH SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225250 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0272949 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0272949 | Ref | TRAY ASSEMBLY | E |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163293 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

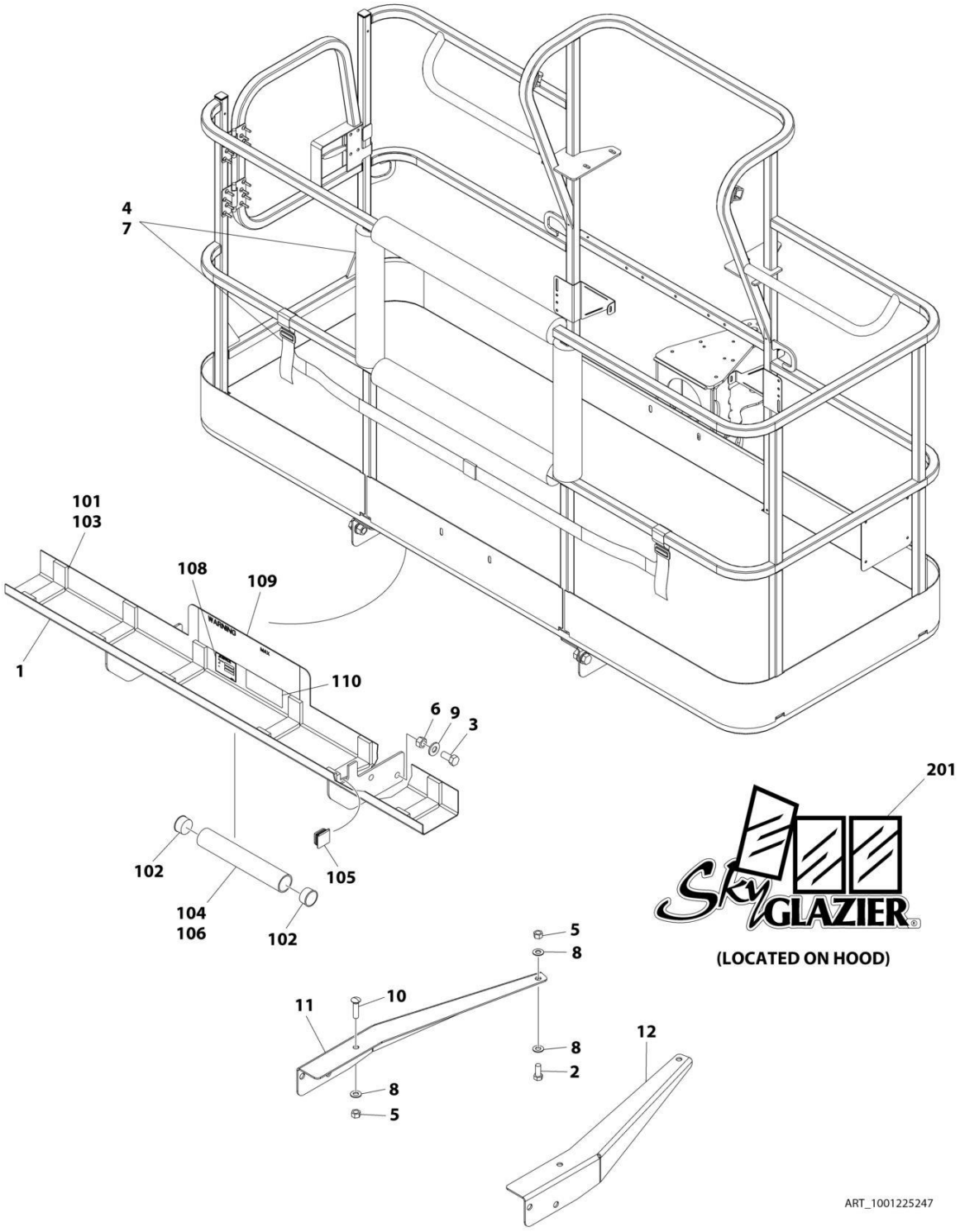
## FIGURE 5-33. SKYGLAZIER INSTALLATION (GERMAN SPECS)



## FIGURE 5-33. SKYGLAZIER INSTALLATION (GERMAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225249 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0272950 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0272950 | Ref | TRAY ASSEMBLY | E |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163298 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

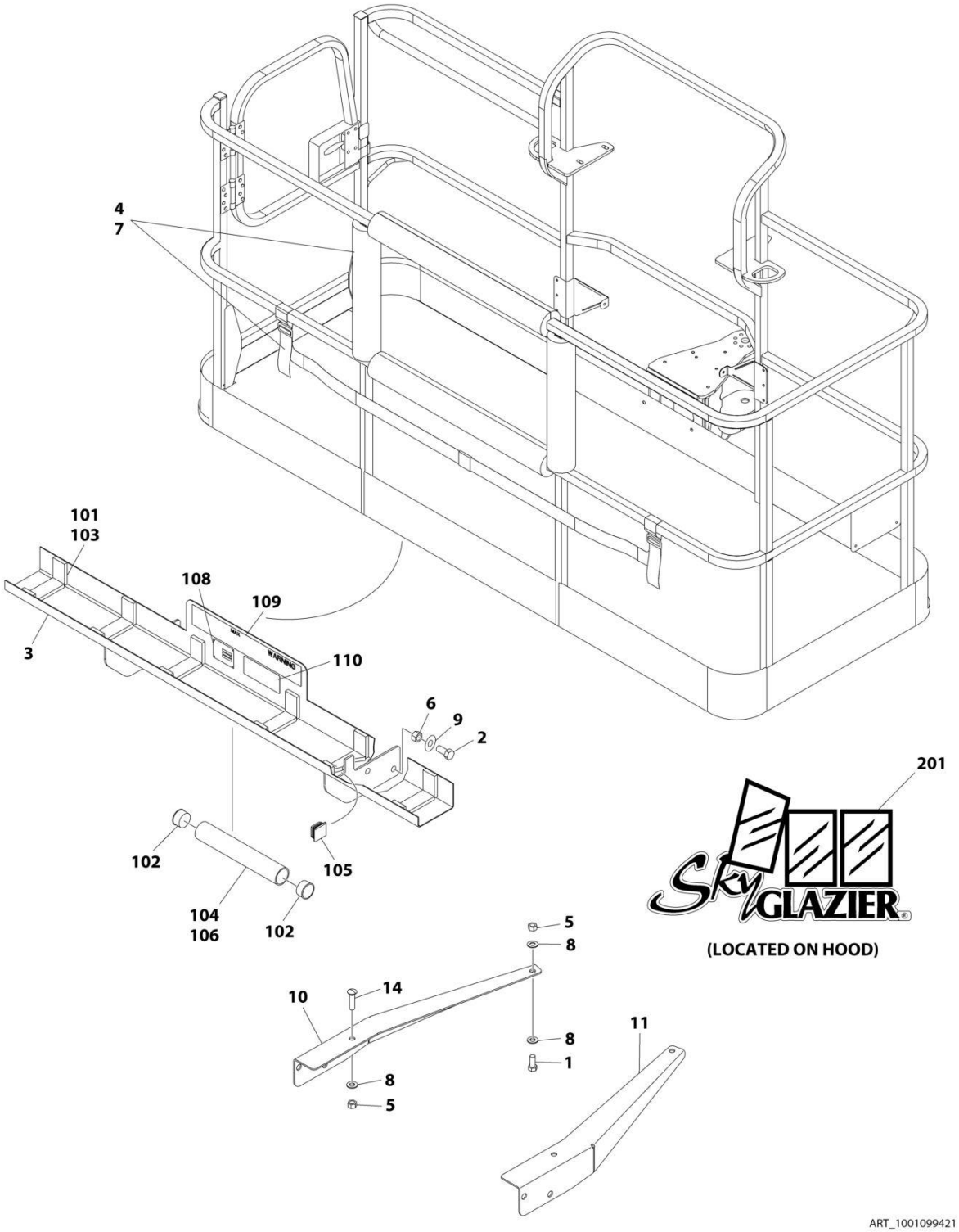
## FIGURE 5-34. SKYGLAZIER INSTALLATION (ITALIAN SPECS)



## FIGURE 5-34. SKYGLAZIER INSTALLATION (ITALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225247 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0272952 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0272952 | Ref | TRAY ASSEMBLY | E |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163287 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

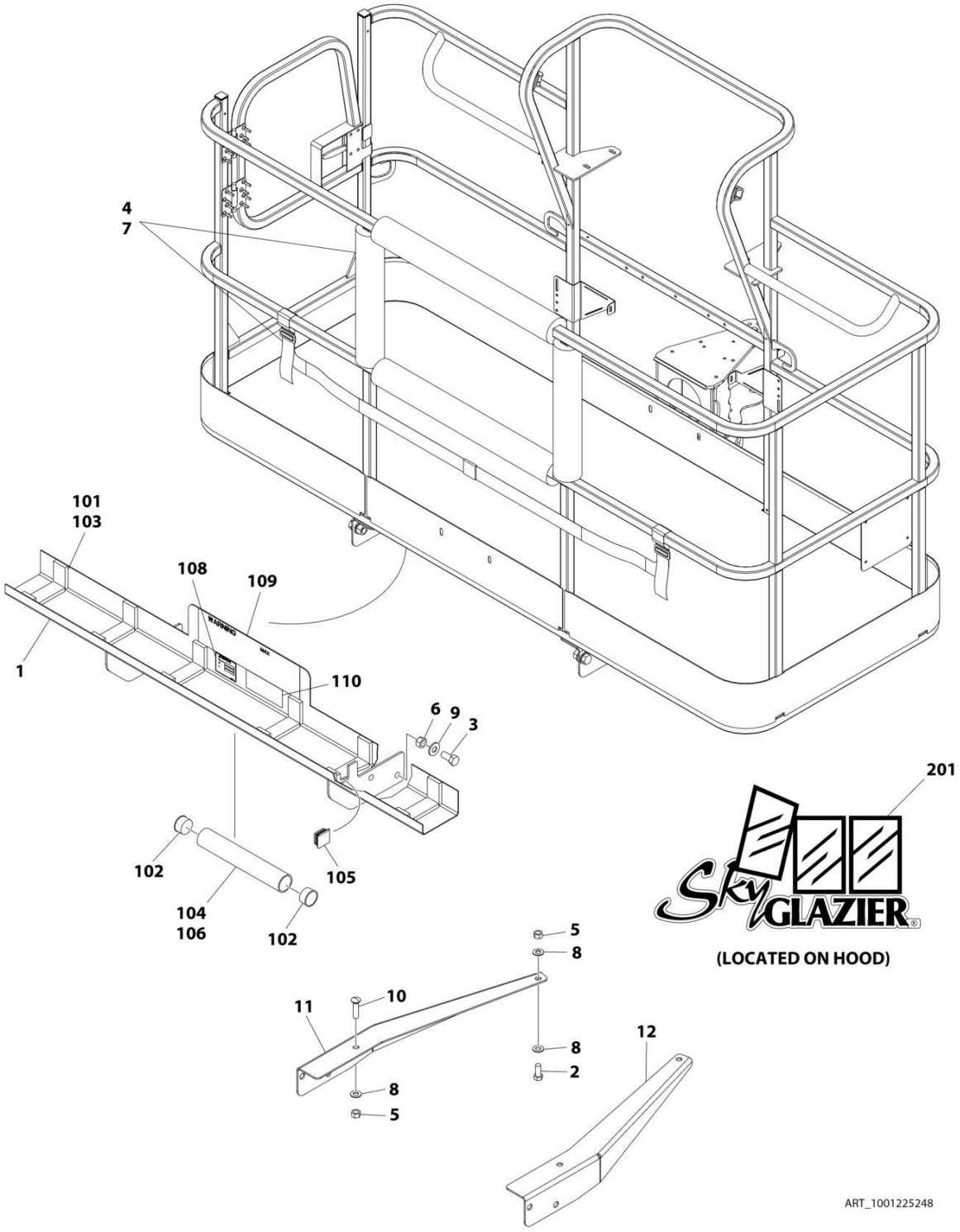
## FIGURE 5-35. SKYGLAZIER INSTALLATION (LATIN AMERICAN SPECS)



## FIGURE 5-35. SKYGLAZIER INSTALLATION (LATIN AMERICAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001099421 | Ref | SKYGLAZIER INSTALLATION | C |
| 1 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 2 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 3 | 0272948 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 1001099366 | 1 | Support | |
| 11 | 1001099367 | 1 | Support | |
| 14 | 8310129 | 2 | Bolt 3/4 x 2-1/2 | |
| | 0272948 | Ref | TRAY ASSEMBLY | F |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163296 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

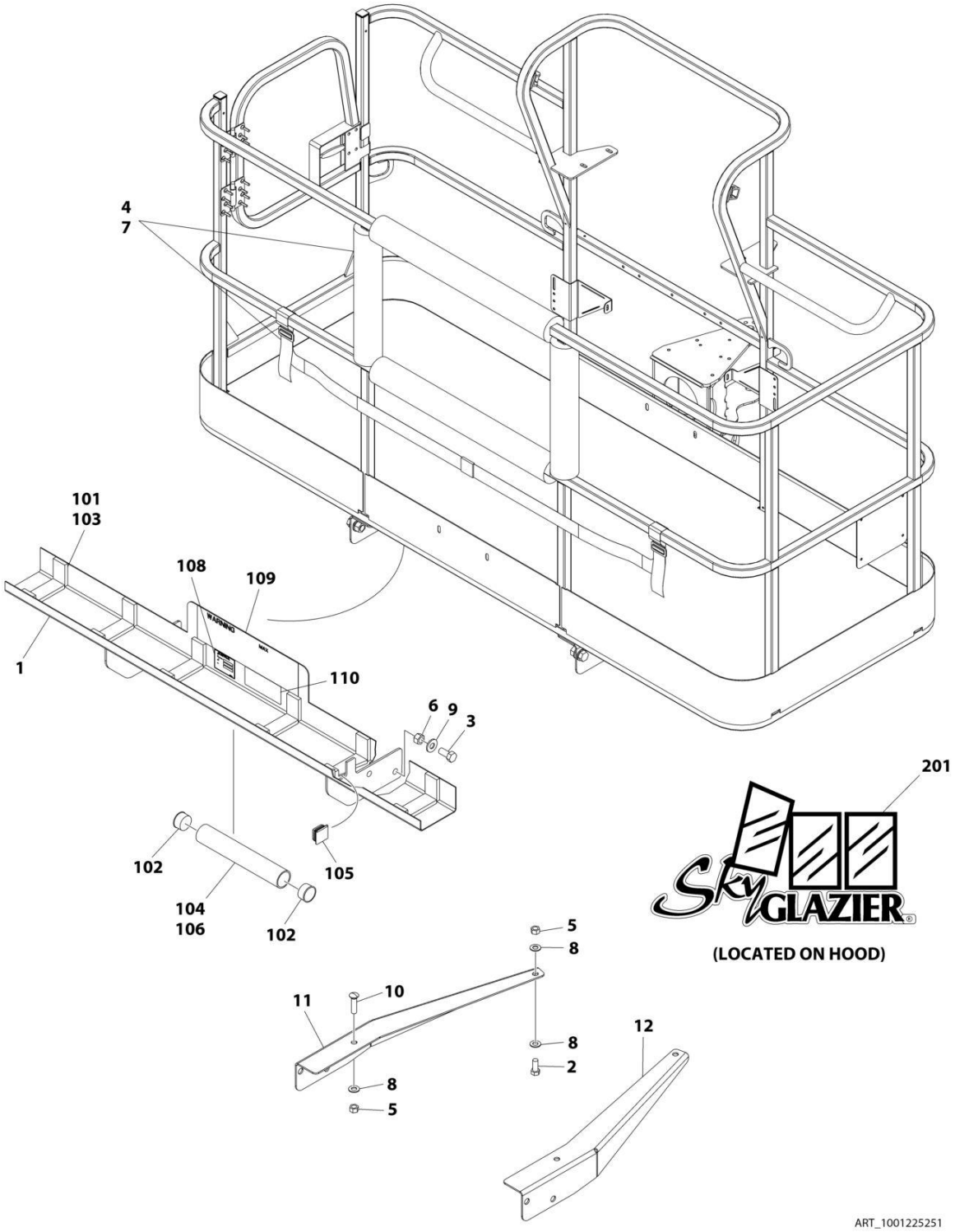
## FIGURE 5-36. SKYGLAZIER INSTALLATION (PORTUGUESE SPECS)



## FIGURE 5-36. SKYGLAZIER INSTALLATION (PORTUGUESE SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225248 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0273406 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0273406 | Ref | TRAY ASSEMBLY | E |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163289 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

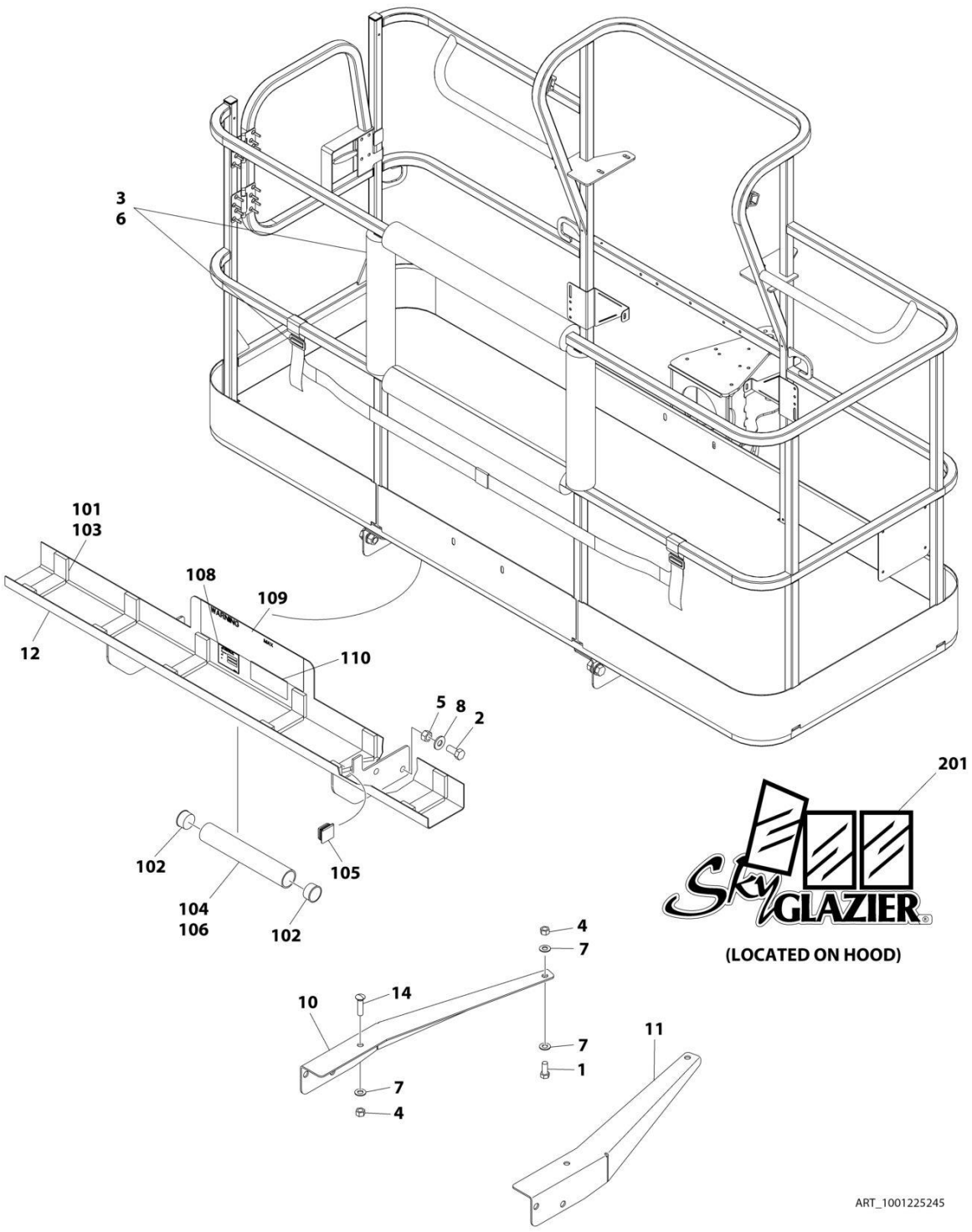
## FIGURE 5-37. SKYGLAZIER INSTALLATION (SPANISH SPECS)



## FIGURE 5-37. SKYGLAZIER INSTALLATION (SPANISH SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225251 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0273405 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 5/8 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0273405 | Ref | TRAY ASSEMBLY | E |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163288 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

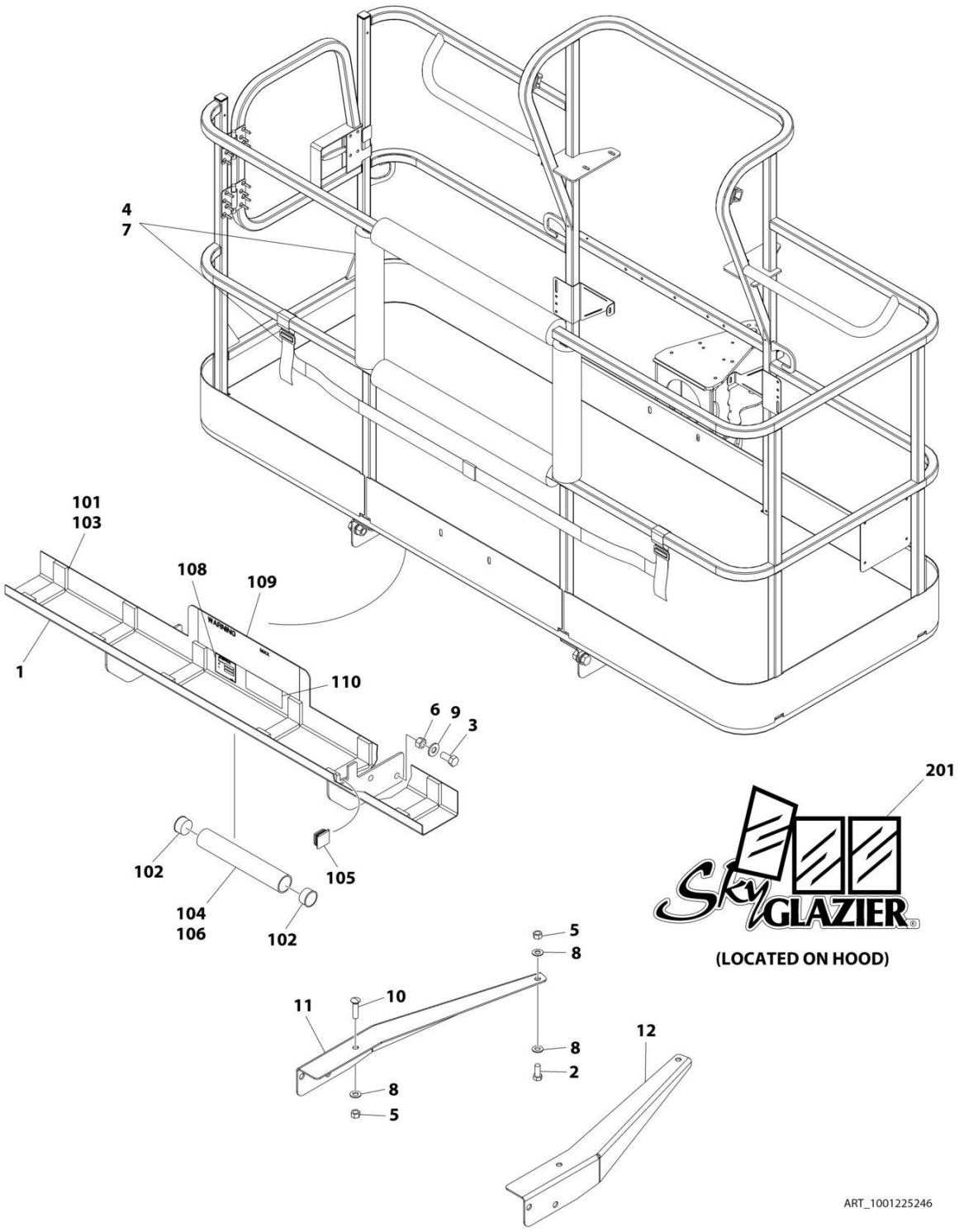
## FIGURE 5-38. SKYGLAZIER INSTALLATION (SWEDISH SPECS)



## FIGURE 5-38. SKYGLAZIER INSTALLATION (SWEDISH SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225245 | Ref | SKYGLAZIER INSTALLATION | B |
| 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 5/8 x 2-1/2 | |
| 10 | 1001099366 | 1 | Support | |
| 11 | 1001099367 | 1 | Support | |
| 12 | 1001115603 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| | 1001115603 | Ref | TRAY ASSEMBLY | D |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163292 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

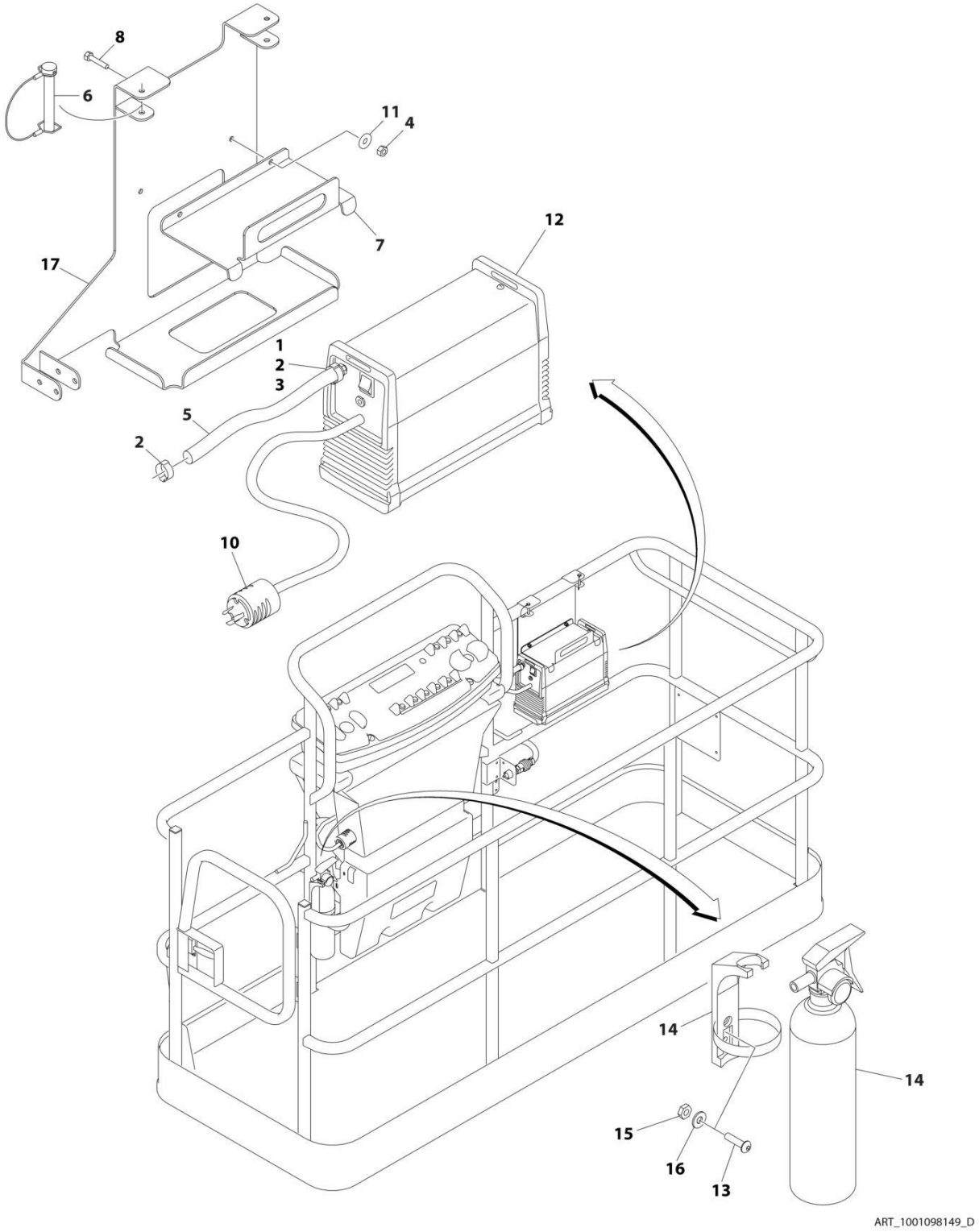
## FIGURE 5-39. SKYGLAZIER INSTALLATION (UK SPECS)



## FIGURE 5-39. SKYGLAZIER INSTALLATION (UK SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225246 | Ref | SKYGLAZIER INSTALLATION | A |
| 1 | 0273404 | 1 | Tray Assembly (See Items 101-110 for Breakdown) | |
| 2 | 0642012 | 2 | Bolt 5/8 x 1-1/2 | |
| 3 | 0642212 | 4 | Bolt 3/4 x 1-1/2 | |
| 4 | 2902212 | 1 | Bumpers and Strap Kit | |
| 4 | 0940102 | 1 | Bumper Only | |
| 4 | 4240149 | 1 | Strap Only | |
| 5 | 3312005 | 4 | Nut 3/4 | |
| 6 | 3312205 | 4 | Nut 3/4 | |
| 7 | 4420014 | AR | Tape | |
| 8 | 4712000 | 6 | Washer 5/8 | |
| 9 | 4712200 | 8 | Washer 3/4 | |
| 10 | 8310129 | 2 | Bolt 5/8 x 2-1/2 | |
| 11 | 1001099366 | 1 | Support | |
| 12 | 1001099367 | 1 | Support | |
| | 0273404 | Ref | TRAY ASSEMBLY | F |
| 101 | 0100081 | AR | Adhesive | |
| 102 | 1120555 | 2 | Cap, Tube | |
| 103 | 3340956 | 1 | Pad Kit | |
| 104 | 3460334 | 1 | Tube | |
| 105 | 3520071 | 2 | Plug | |
| 106 | 4420066 | AR | Tape, Double Sided | |
| 108 | See Note | NSS | Nameplate - Serial Number (Note: Not Available for Purchase) | |
| 109 | 1001163295 | 2 | Decal - Glazier Capacity | |
| 110 | 1701509 | 1 | Decal - Manual | |
| | 0272418 | Ref | SKYGLAZIER DECAL INSTALLATION | 4 |
| 201 | 1705358 | 2 | Decal - SkyGlazier | |

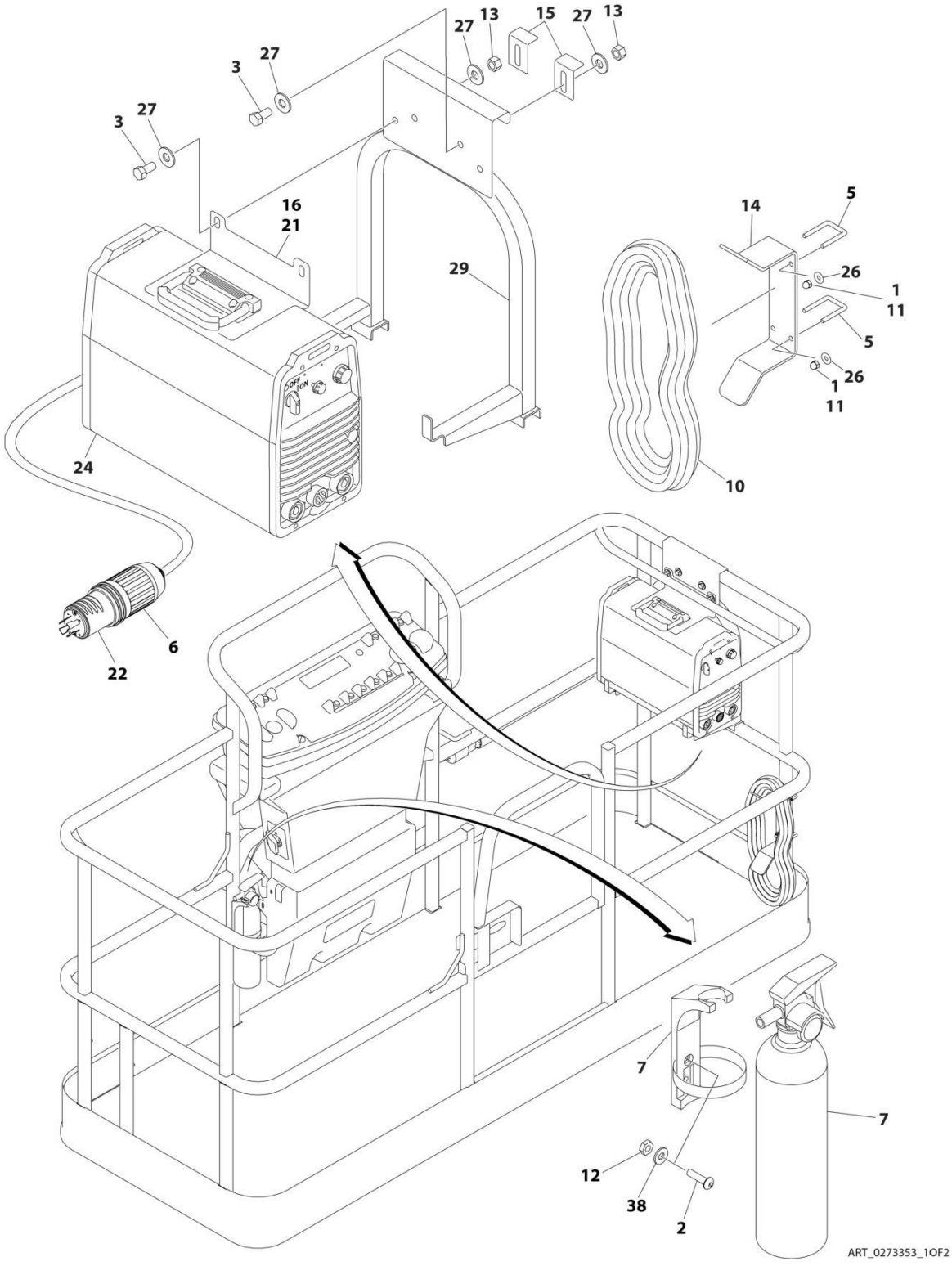
## FIGURE 5-40. SKYCUTTER INSTALLATION

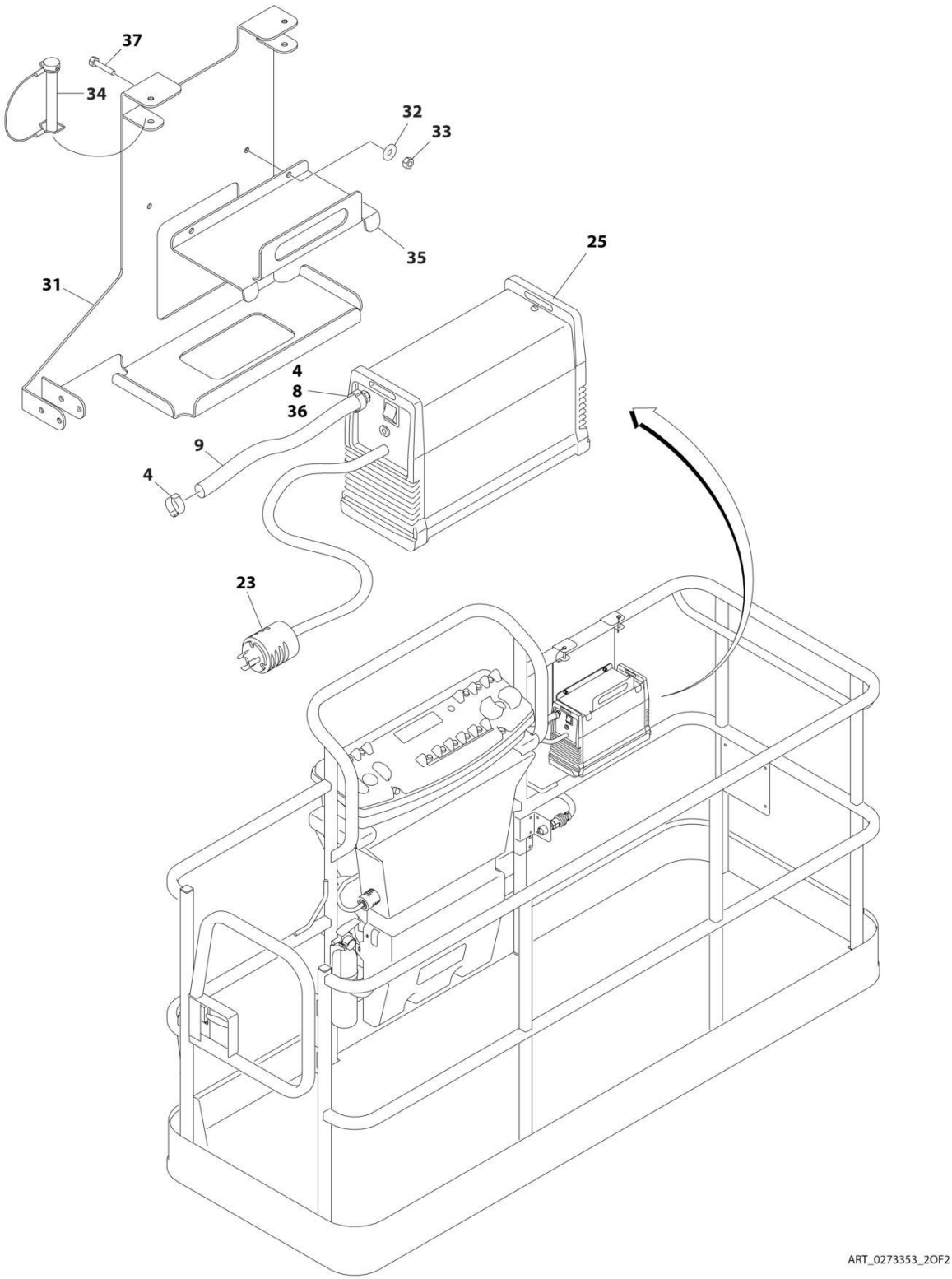


## FIGURE 5-40. SKYCUTTER INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098149 | Ref | SKYCUTTER INSTALLATION | D |
| | | Ref | Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components. | |
| 1 | 0100020 | AR | Sealant | |
| 2 | 1320177 | 2 | Clamp, Hose | |
| 3 | 2180832 | 1 | Fitting, NPT/Barbed | |
| 4 | 3290605 | 2 | Nut M6 | |
| 5 | 2720160 | 3 ft /.9m | Hose | |
| 6 | 3421453 | 3 | Pin | |
| 7 | 3576799 | 1 | Plate, Hold-Down | |
| 8 | 4010608 | 2 | Screw M6 x 16 | |
| 10 | 4460971 | 1 | Plug, Twistlock | |
| 11 | 4811700 | 2 | Washer M6 | |
| 12 | 1001098012 | 1 | Plasma Cutter Assembly (See Separate Breakdown in this Section) | |
| 13 | 0630518 | 2 | Screw #10 x 3/4 | |
| 14 | 2030010 | 1 | Extinguisher, Fire | |
| 15 | 3311005 | 2 | Nut #10 | |
| 16 | 4751000 | 2 | Washer #10 | |
| 17 | 1001145405 | 1 | Support | |

## FIGURE 5-41. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

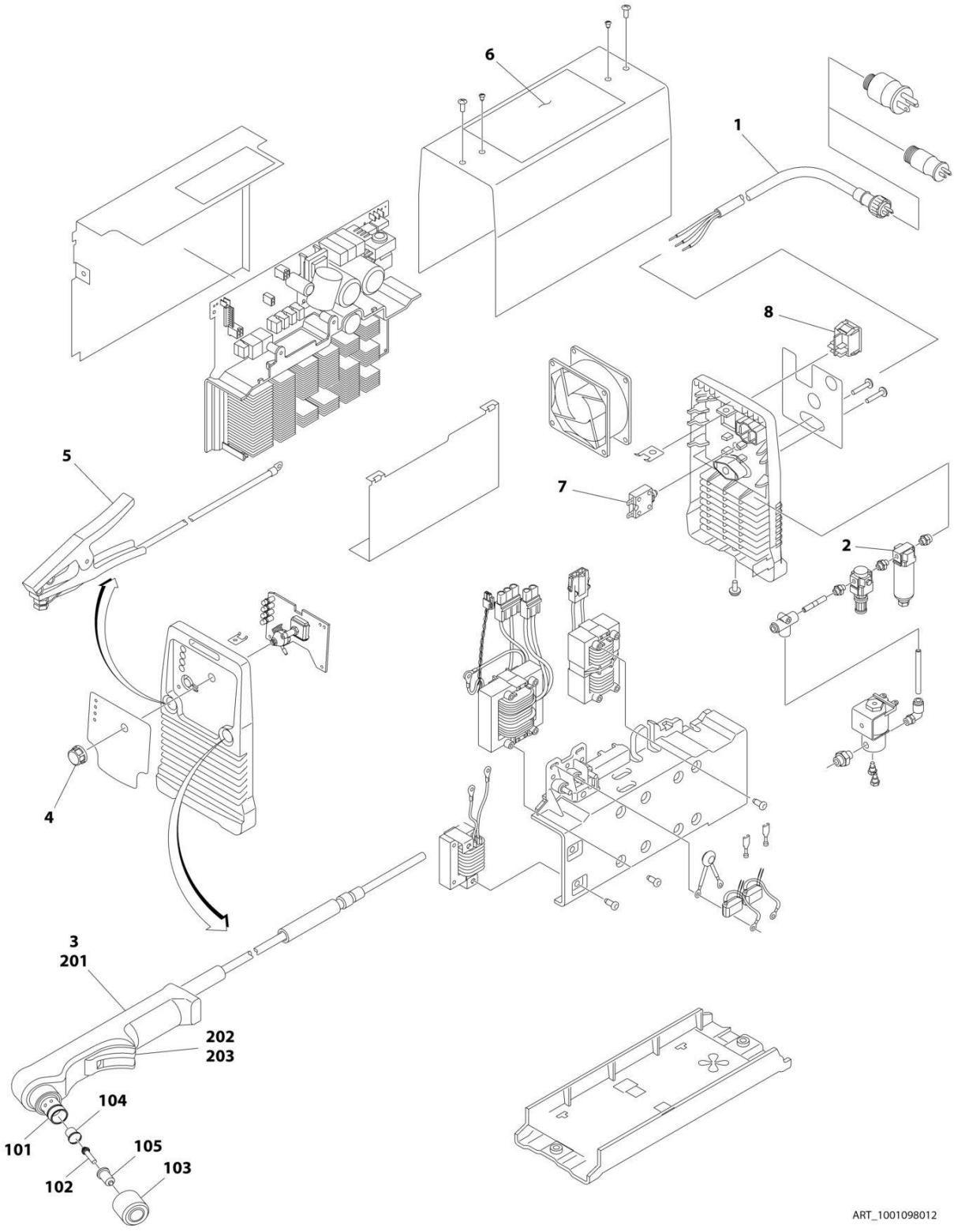



37
34
32
33
35
25
31
4
8
36
9
4
23
ART_0273353_2OF2

## FIGURE 5-41. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273353 | Ref | SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) | G |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0630518 | 2 | Screw #10 x 3/4 | |
| 3 | 0641606 | 4 | Bolt 3/8 x 3/4 | |
| 4 | 1320177 | 2 | Clamp | |
| 5 | 1320302 | 2 | Clamp | |
| 6 | 1671093 | 1 | Cover, Plug | |
| 7 | 2030010 | 1 | Extinguisher, Fire | |
| 8 | 2180832 | 1 | Fitting, Barbed/NPT | |
| 9 | 2720160 | 4.5 ft /1.37m | Hose | |
| 10 | 2902217 | 1 | Weld Leads Kit | |
| 11 | 3300151 | 4 | Nut 1/4 | |
| 12 | 3311005 | 2 | Nut #10 | |
| 13 | 3311605 | 4 | Nut 3/8 | |
| 14 | 3573400 | 1 | Bracket | |
| 15 | 3577121 | 2 | Angle | |
| 16 | 3573642 | 1 | Plate | |
| 20 | 4240099 | AR | Tie-Strap (Not Shown) | |
| 21 | 4420037 | 2.36 ft /.71m | Tape | |
| 22 | 4460962 | 1 | Plug, Twist Lock | |
| 23 | 4460971 | 1 | Plug, Twist Lock | |
| 24 | 4530028 | 1 | Welder Assembly (See Separate Breakdown in this section) | |
| 25 | 1001098012 | 1 | Plasma Cutter Assembly (See Separate Breakdown in this Section) | |
| 26 | 4751400 | 4 | Washer 1/4 | |
| 27 | 4751600 | 8 | Washer 3/8 | |
| 29 | 4846627 | 1 | Support | |
| 31 | 1001145405 | 1 | Bracket | |
| 32 | 4811700 | 2 | Washer M6 | |
| 33 | 3290605 | 2 | Nut M6 | |
| 34 | 3421453 | 3 | Pin | |
| 35 | 3576799 | 1 | Plate, Hold-Down | |
| 36 | 0100020 | 1 | Sealant | |
| 37 | 4010608 | 2 | Screw M6 x 16 | |
| 38 | 4751000 | 2 | Washer #10 | |

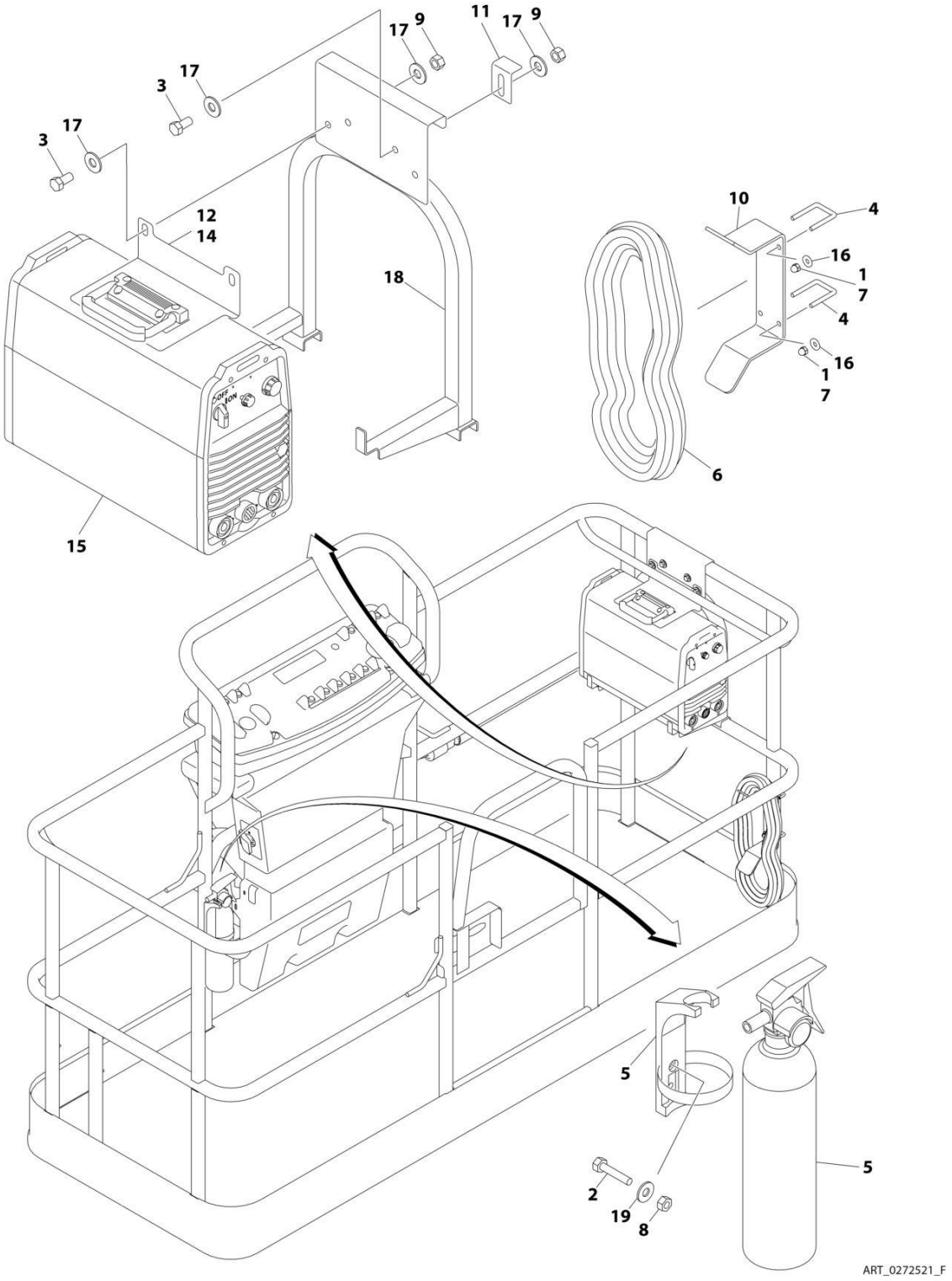
## FIGURE 5-42. PLASMA CUTTER ASSEMBLY



## FIGURE 5-42. PLASMA CUTTER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001098012 | Ref | PLASMA CUTTER ASSEMBLY | A |
| | | Ref | Note: For Other Components, contact your Miller Welder Dealer. | |
| 1 | 70001424 | 1 | Cable, Power | |
| 1 | 70001425 | 1 | Decal - Voltage Warning | |
| 2 | 70001427 | 1 | Filter, Regulator | |
| 3 | 70001428 | 1 | Torch Assembly (See Items 101-203 for Breakdown) | |
| 4 | 7024471 | 1 | Knob | |
| 5 | 70001429 | 1 | Clamp with Cable | |
| 6 | 70001430 | 1 | Decal - Caution | |
| 7 | 70001431 | 1 | Breaker, Circuit | |
| 8 | 70001432 | 1 | Switch, Rocker | |
| | 70001428 | Ref | TORCH ASSEMBLY | |
| 101 | 7024530 | 1 | O-Ring | |
| 102 | 7024531 | 1 | Electrode | |
| 103 | 7024532 | 1 | Cup, Retaining | |
| 104 | 7024533 | 1 | Swirl Ring | |
| 105 | 7024534 | 1 | Tip | |
| 201 | 7024535 | 1 | Handle, Torch | |
| 202 | 7024536 | 1 | Switch | |
| 203 | 7024537 | 1 | Trigger | |

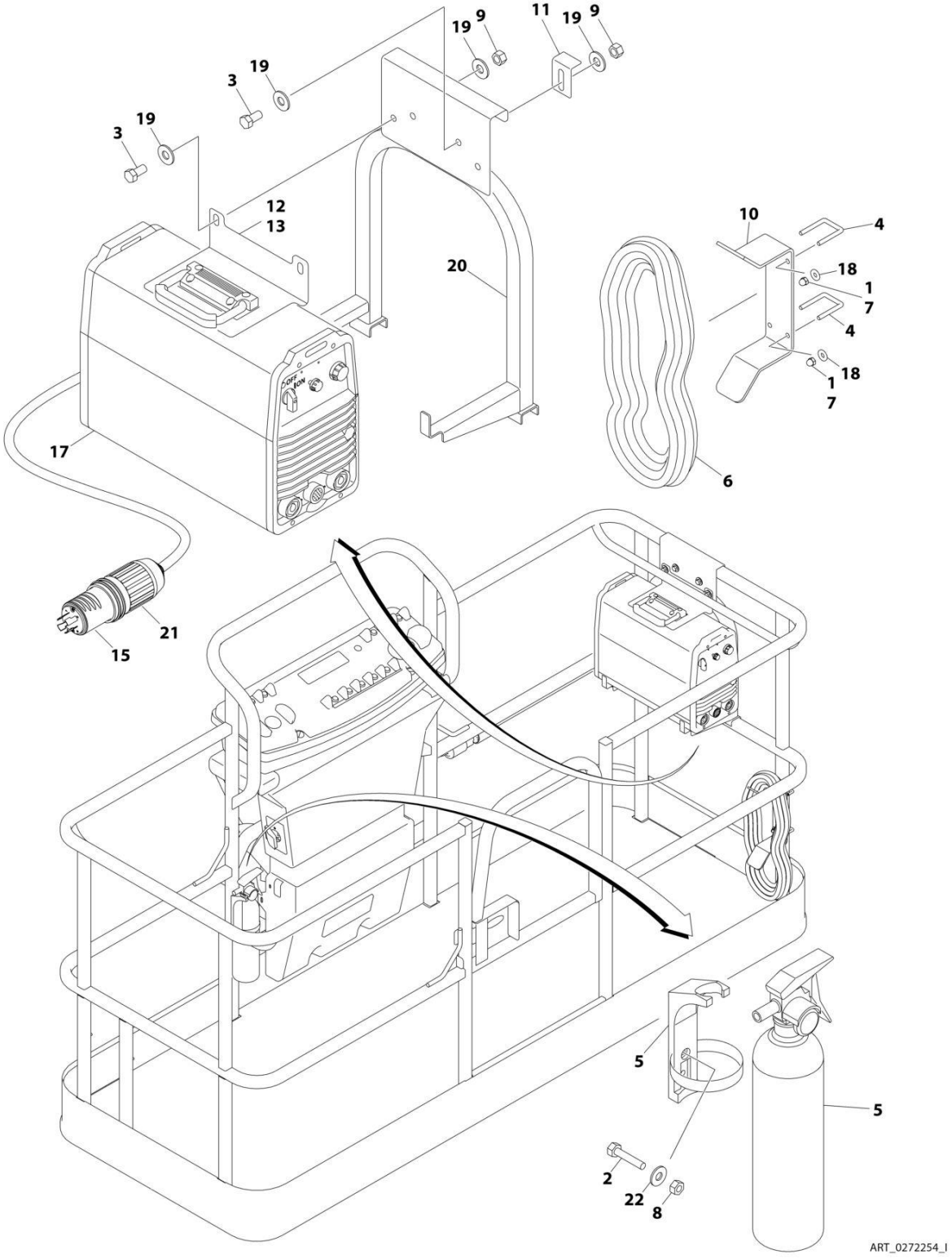
## FIGURE 5-43. SKYWELDER INSTALLATION (50HZ)



## FIGURE 5-43. 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 | |

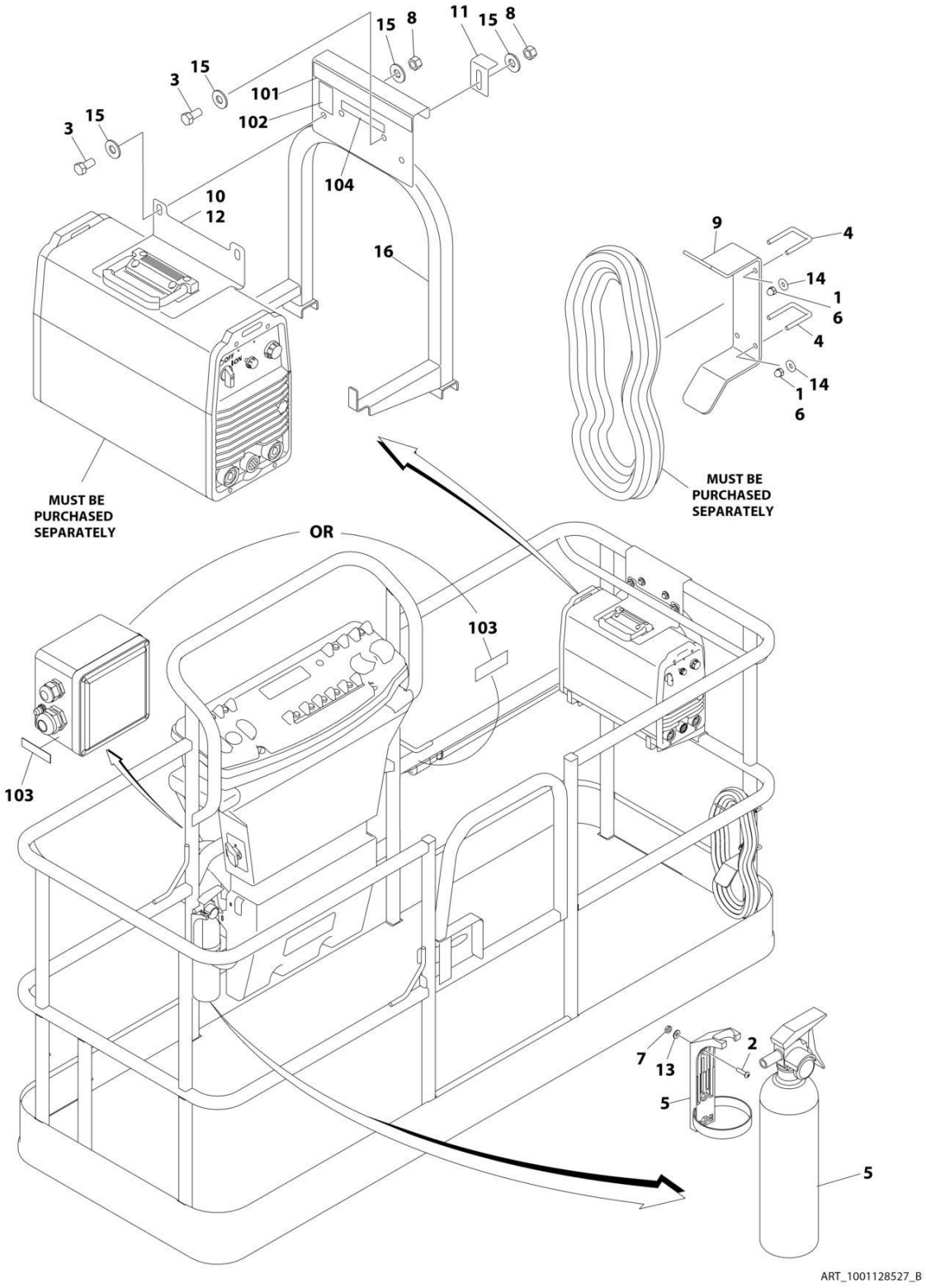
## FIGURE 5-44. SKYWELDER INSTALLATION (60HZ)



## FIGURE 5-44. 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 | |

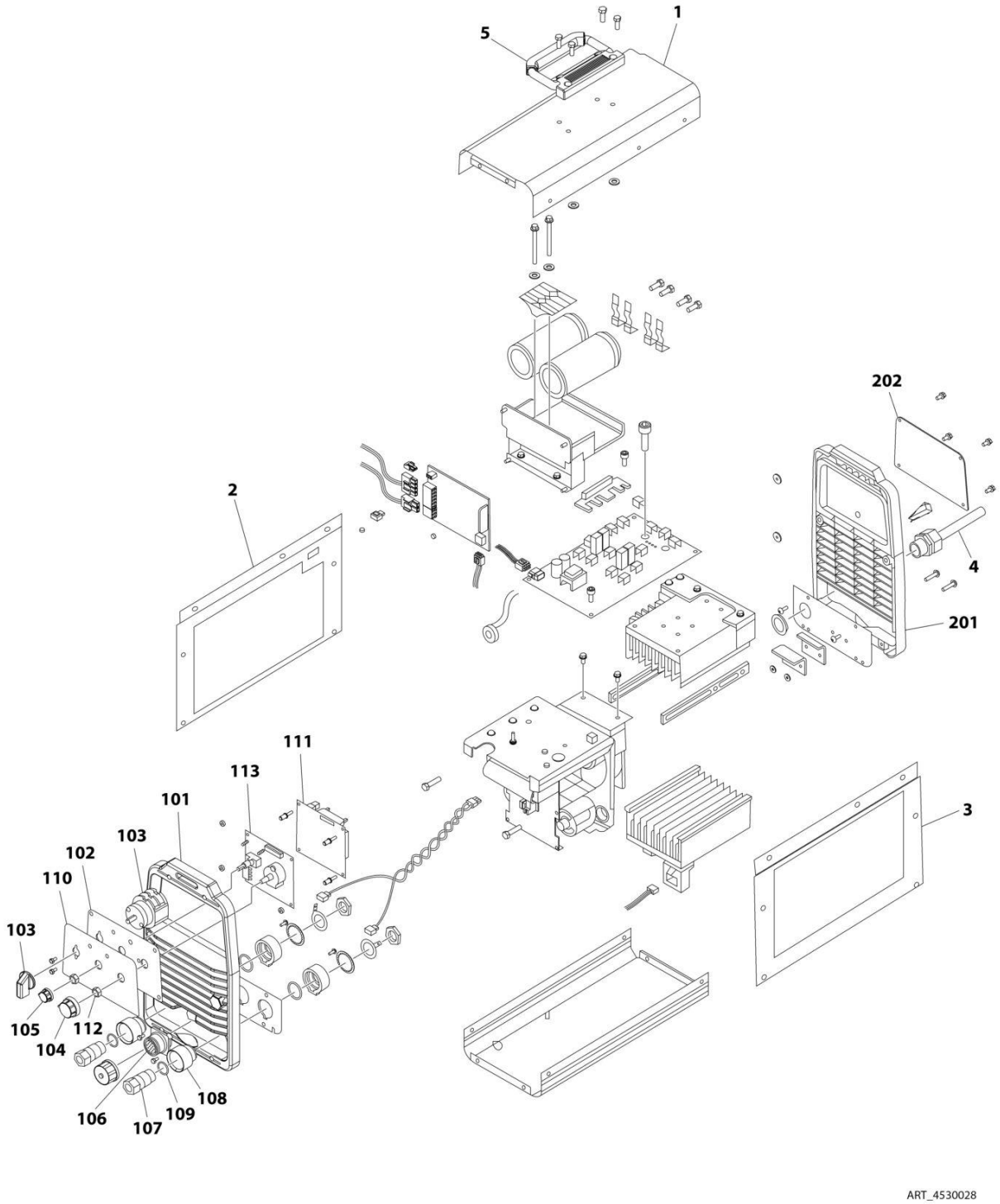
## FIGURE 5-45. SKYWELDER PREP PACKAGE (60HZ)



## FIGURE 5-45. 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 | |

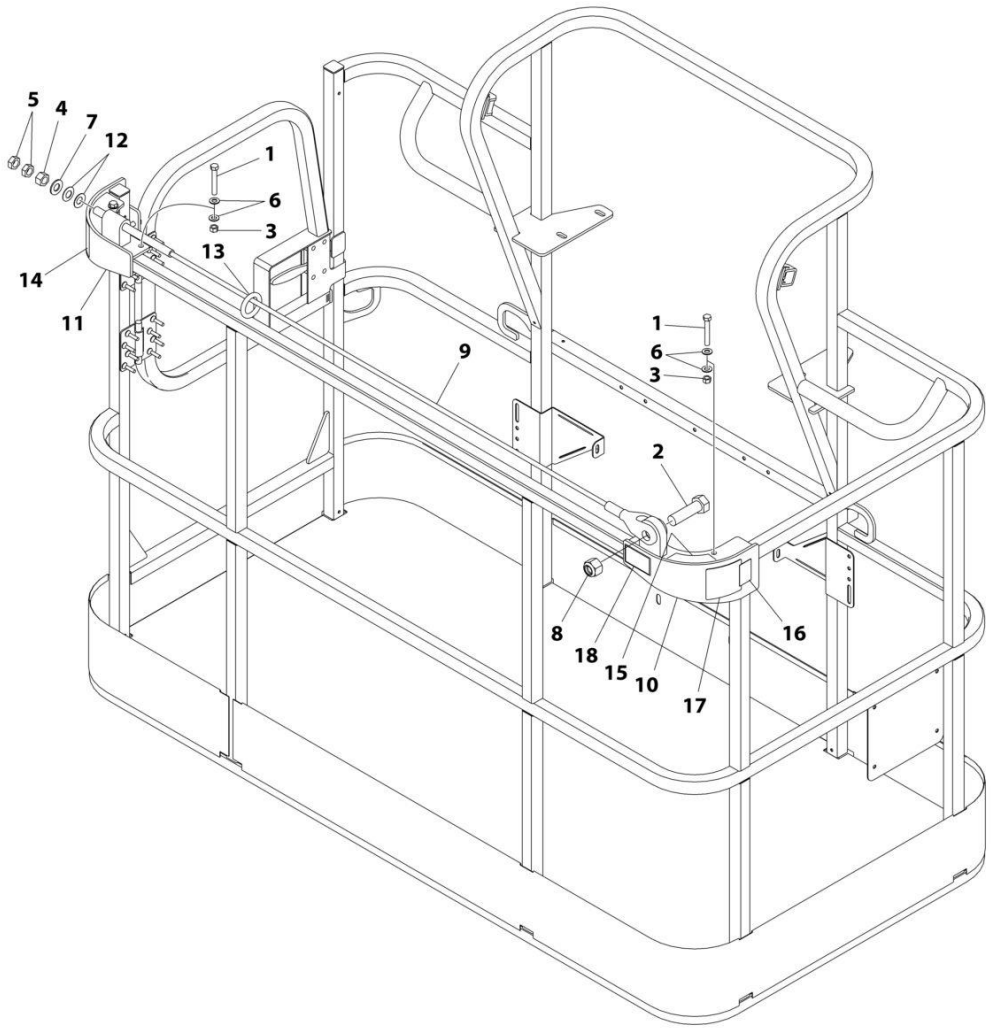
## FIGURE 5-46. WELDER ASSEMBLY



## FIGURE 5-46. 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 | |

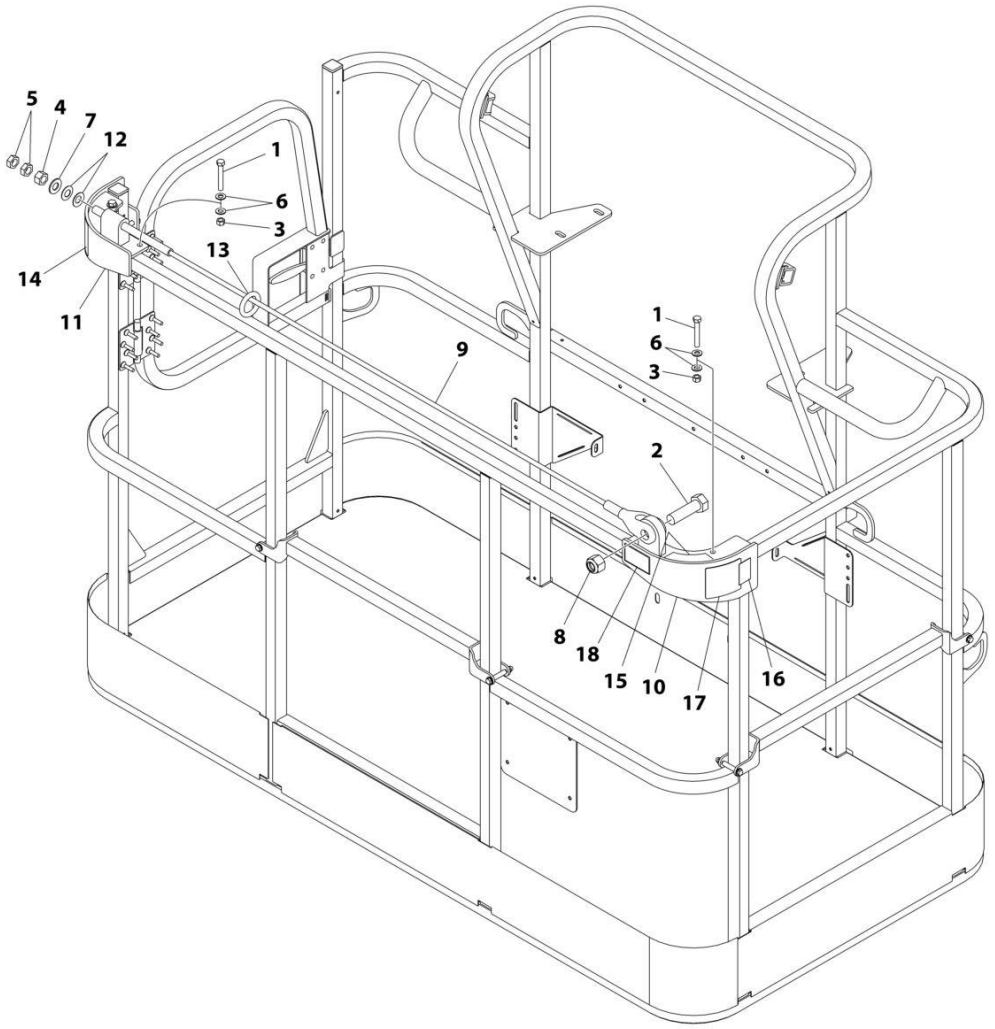
## FIGURE 5-47. FALL ARREST INSTALLATION (BOLT - ON EXTERNAL) 6FT/1.82M PLATFORM



## FIGURE 5-47. 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 | |

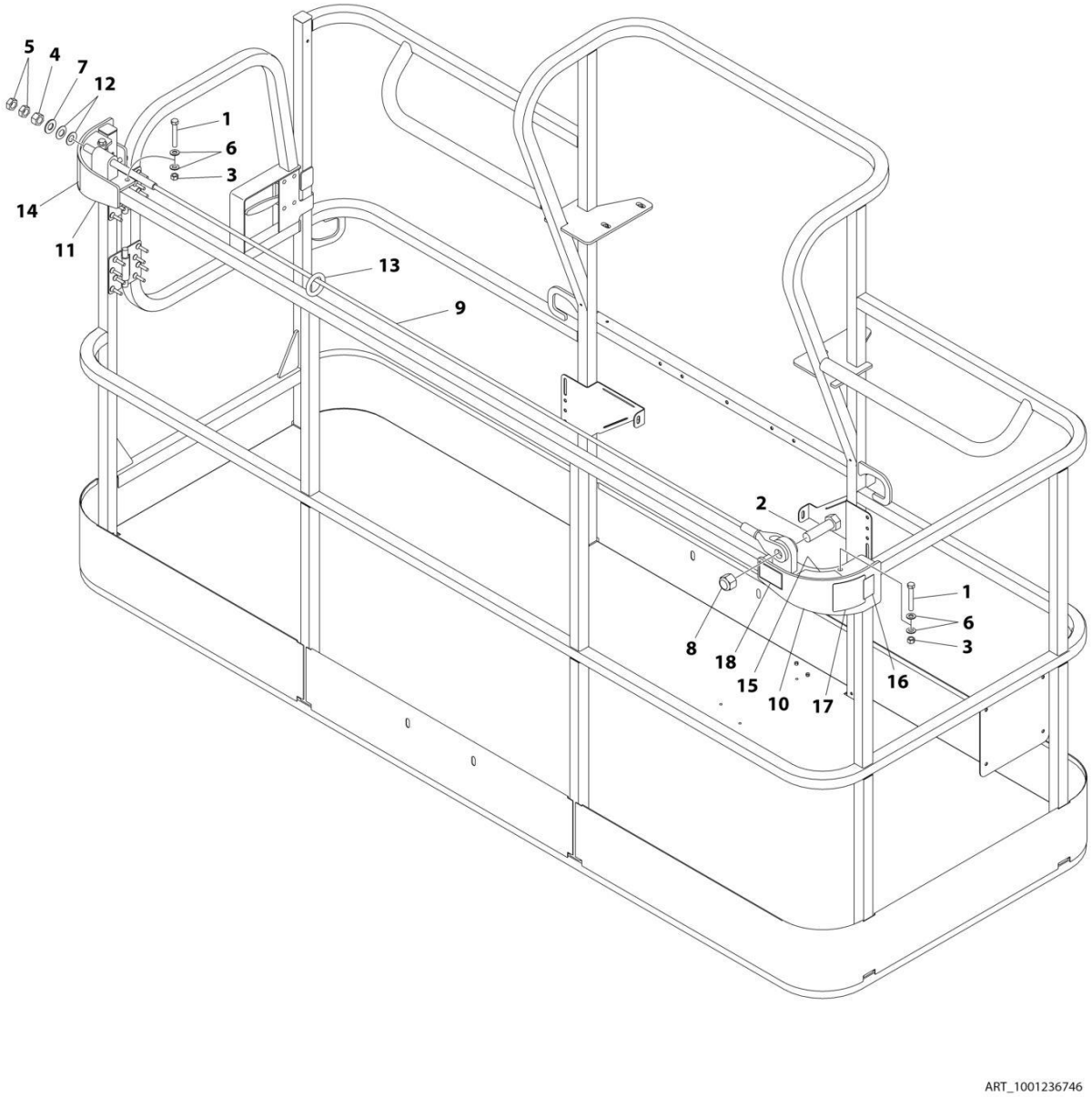
## FIGURE 5-48. FALL ARREST INSTALLATION (BOLT - ON EXTERNAL) 6FT/1.82M PLATFORM



## FIGURE 5-48. FALL ARREST INSTALLATION (BOLT - ON EXTERNAL) 6FT/1.82M 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 5-49. FALL ARREST INSTALLATION (BOLT - ON EXTERNAL) 8FT/2.4M PLATFORM



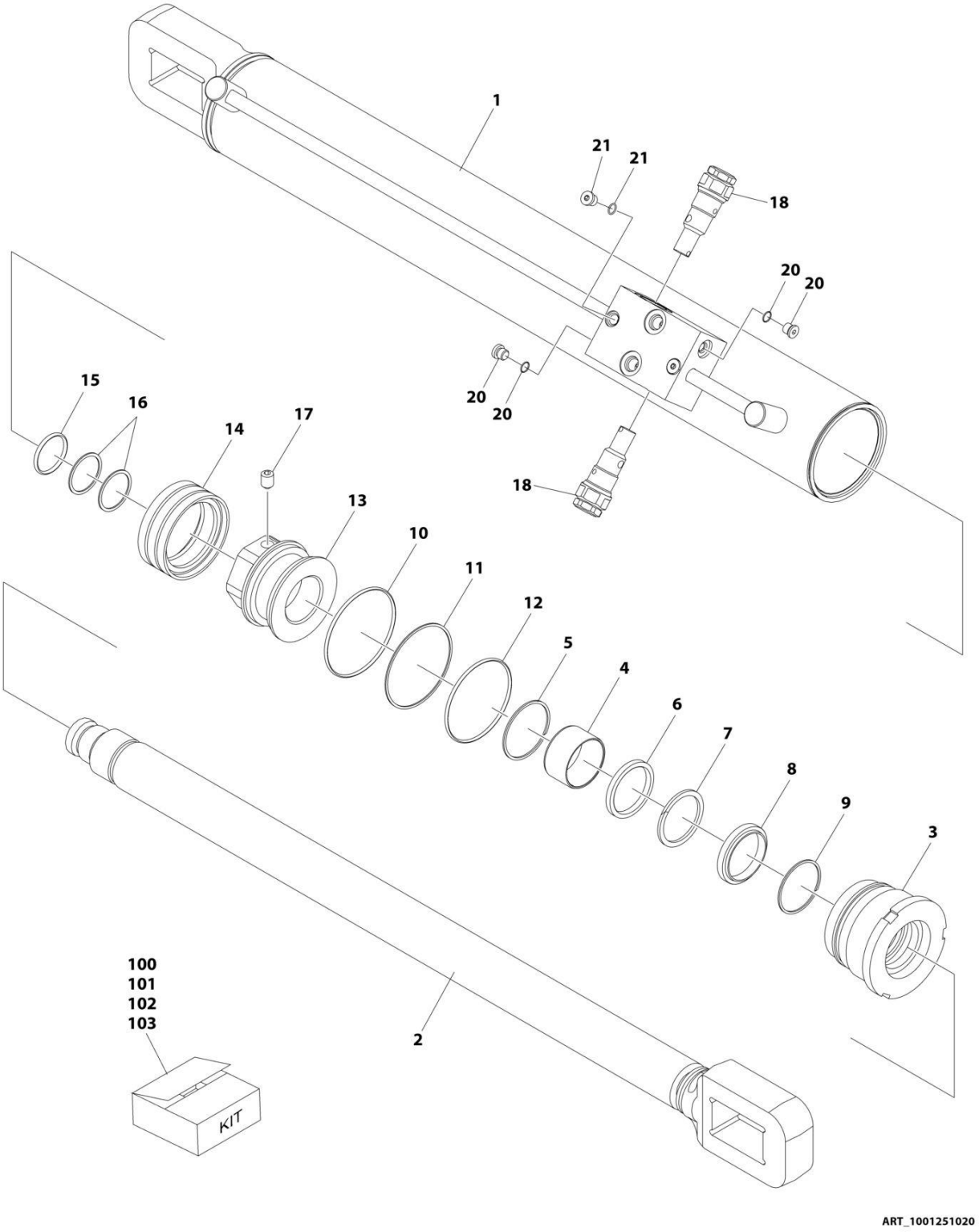
## FIGURE 5-49. FALL ARREST INSTALLATION (BOLT - ON EXTERNAL) 8FT/2.4M PLATFORM

| 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 | |

# SECTION 6 - CYLINDER

# SECTION 6 - CYLINDER

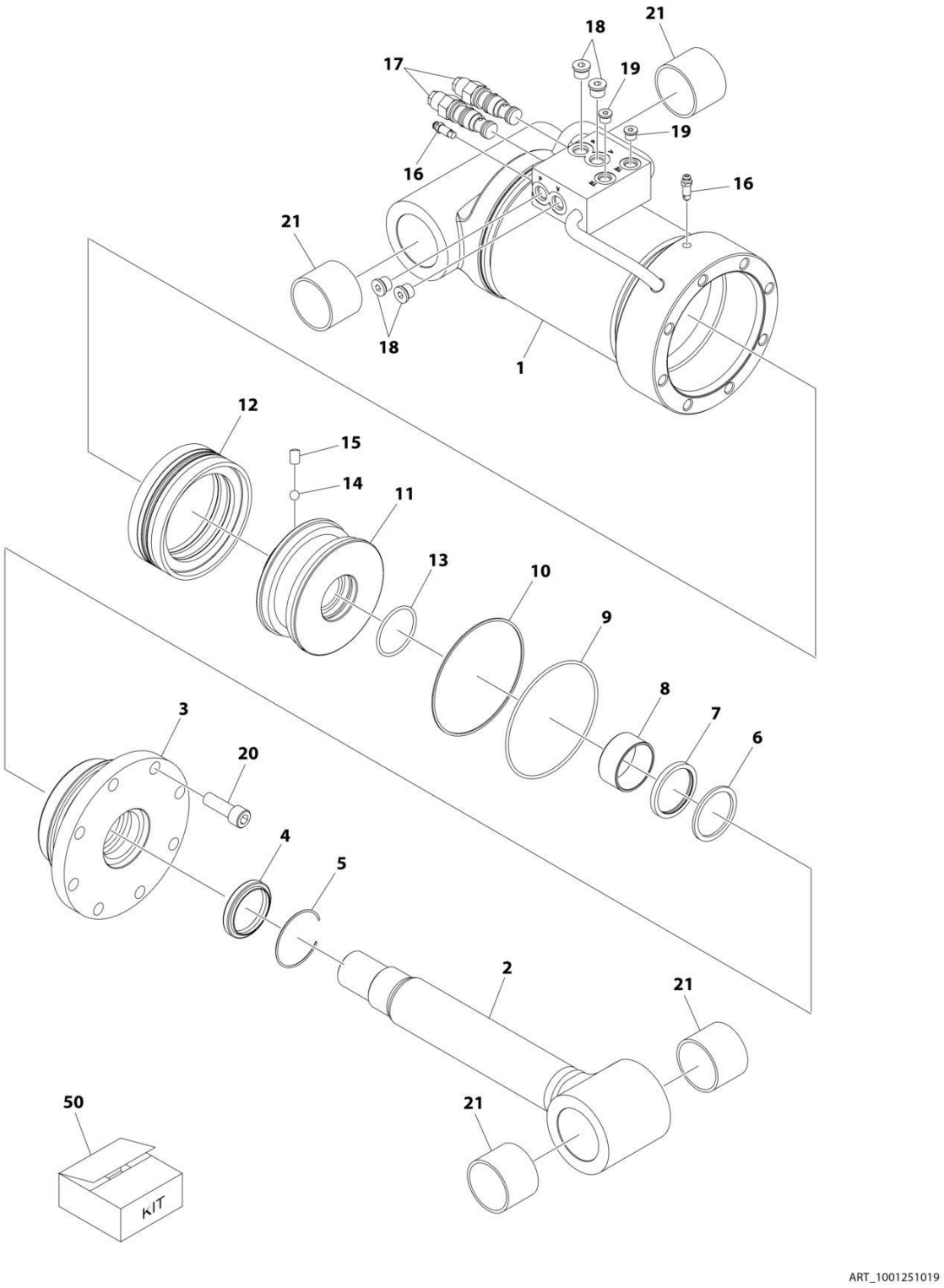
## FIGURE 6-1. AXLE EXTENSION CYLINDER ASSEMBLY



## FIGURE 6-1. AXLE EXTENSION CYLINDER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251020 | Ref | AXLE EXTENSION 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 | Barrel (Note: Use p/n 1001251020) | |
| 2 | 70007382 | 1 | Rod | |
| 3 | See Note | NSS | Head (Use Item 100) | |
| 5 | See Note | NSS | Ring (Note: Use Item 100) | |
| 6 | See Note | NSS | Seal (Note: Use Item 101) | |
| 7 | See Note | NSS | Ring, Back-up (Note: Use Item 101) | |
| 8 | See Note | NSS | Wiper, Rod (Note: Use Item 101) | |
| 9 | See Note | NSS | Ring, Retaining (Note: Use Item 101) | |
| 10 | See Note | NSS | O-Ring (Note: Use Item 101) | |
| 11 | See Note | NSS | Ring, Back-up (Note: Use Item 101) | |
| 12 | See Note | NSS | O-Ring (Note: Use Item 101) | |
| 13 | See Note | NSS | Piston (Note: Use Item 102) | |
| 14 | See Note | NSS | Seal (Note: Use Item 101) | |
| 15 | See Note | NSS | O-Ring (Note: Use Item 101) | |
| 16 | See Note | NSS | Ring, Back-up (Note: Use Item 101) | |
| 17 | See Note | NSS | Setscrew (Note: Use Item 102) | |
| 18 | 4640509 | 2 | Cartridge, Holding Valve | |
| 18 | 2900792 | 2 | Seal Kit - 4640509 Cartridge Valve (1 Per Assembly) | |
| 20 | See Note | NSS | Plug (Note: Use Item 103) | |
| 21 | See Note | NSS | Plug (Note: Use Item 103) | |
| 100 | 70007383 | 1 | Rod Cover Kit (Includes Items 3-5) | |
| 101 | 70007384 | 1 | Seal Kit (Includes Items 6-12 & 14-16) | |
| 102 | 70007385 | 1 | Piston Kit (Includes Items 13 & 17) | |
| 103 | 70007386 | 1 | Plug Kit (Includes Items 20 & 21) | |

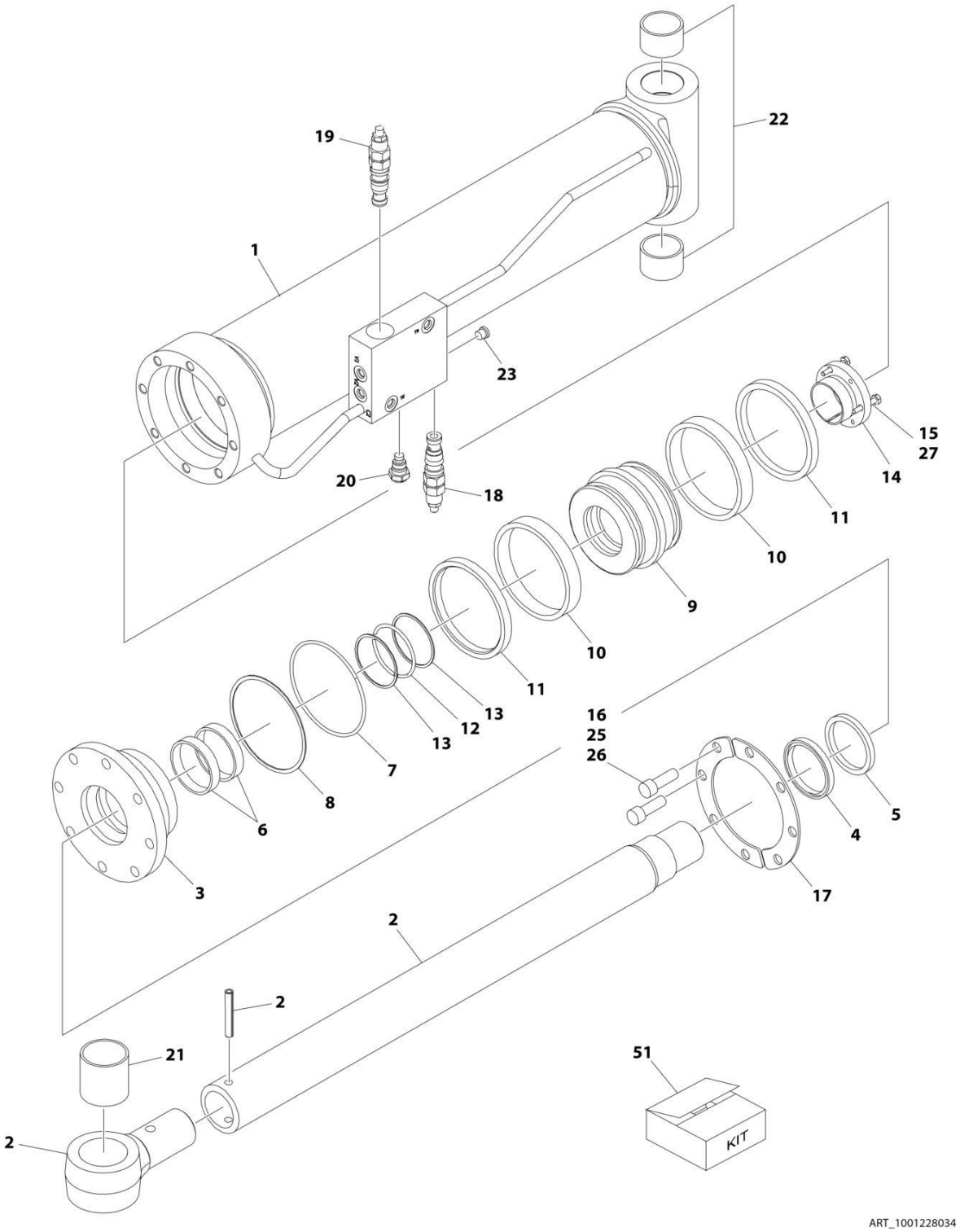
## FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSMBLY



## FIGURE 6-2. AXLE LOCKOUT CYLINDER ASSMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251019 | Ref | AXLE LOCKOUT 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 1001251019) | |
| 2 | 70007984 | 1 | Rod | |
| 3 | 70007985 | 1 | Head | |
| 4 | See Note | NSS | Wiper (Note: Use Item 50) | |
| 5 | 70002412 | 1 | Ring, Retaining | |
| 6 | See Note | NSS | Seal, Rod (Note: Use Item 50) | |
| 7 | See Note | NSS | Ring, Back-up (Note: Use Item 50) | |
| 8 | 70005153 | 1 | Bearing | |
| 9 | See Note | NSS | O-Ring (Note: Use Item 50) | |
| 10 | See Note | NSS | Ring, Back-up (Note: Use Item 50) | |
| 11 | 7007986 | 1 | Piston | |
| 12 | See Note | NSS | Seal, Piston (Note: Use Item 50) | |
| 13 | See Note | NSS | O-Ring (Note: Use Item 50) | |
| 14 | 70022564 | 1 | Ball | |
| 15 | 70006596 | 1 | Setscrew M8 x 12 | |
| 16 | 70007987 | 2 | Bleeder | |
| 17 | 4641276 | 2 | Cartridge, Valve - Counterbalance | |
| 17 | 2900770 | 2 | Seal Kit - 4641276 Valve | |
| 18 | 2220885 | 4 | Plug 9/16 | |
| 19 | 2220883 | 2 | Plug 7/16 | |
| 20 | 70007988 | 8 | Bolt M12 x 50 | |
| 21 | 0961950 | 4 | Bearing | |
| 50 | 70007989 | 1 | Seal Kit - 1001251019 Cylinder (Includes Items 4, 6, 7, 9, 10, 12 & 13) | |

## FIGURE 6-3. PLATFORM LEVEL CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

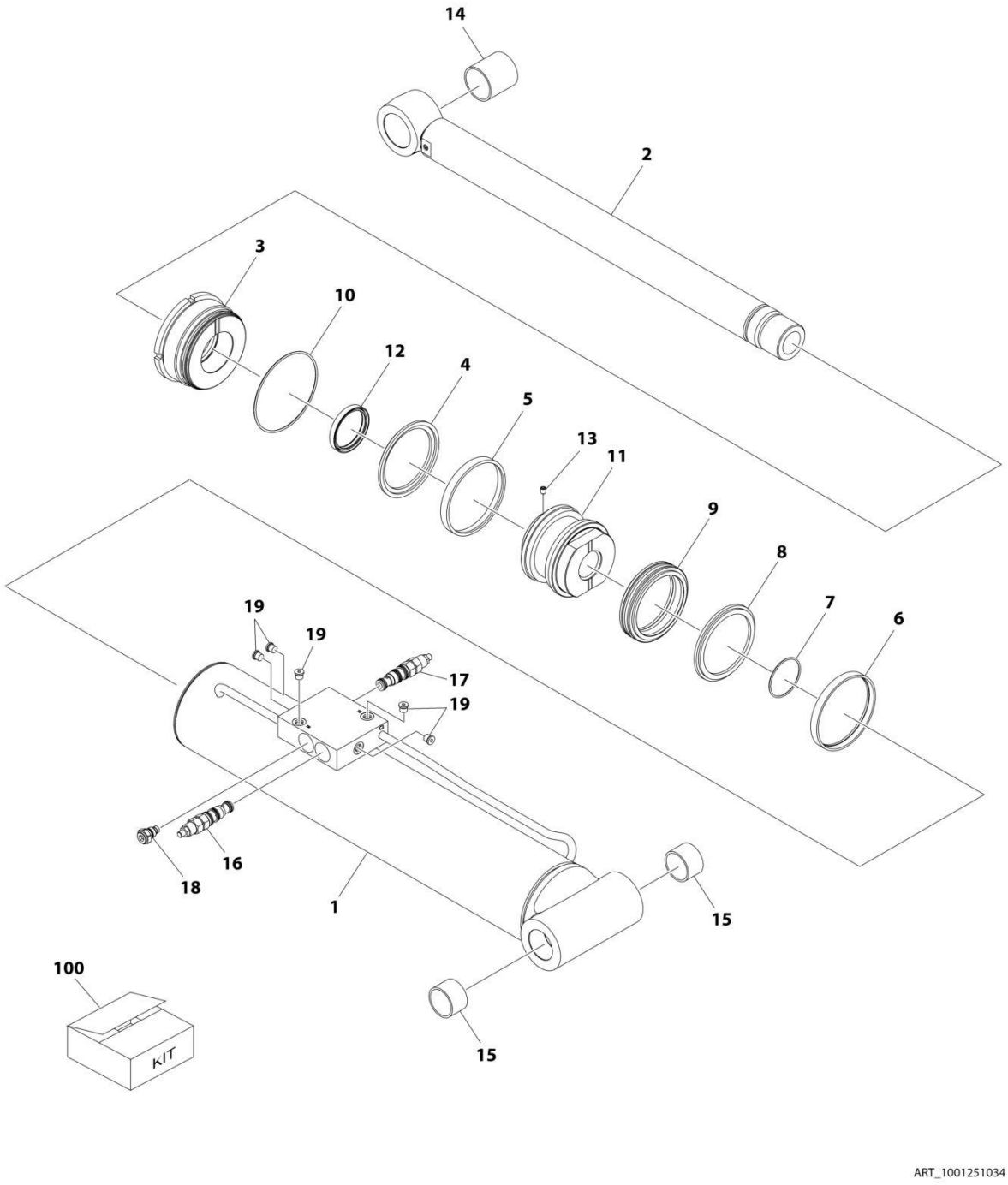


## FIGURE 6-3. PLATFORM LEVEL CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228034 | Ref | PLATFORM LEVEL CYLINDER ASSEMBLY | E |
| | | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. | |
| 1 | See Note | NSS | Barrel (Note: Not Available for Purchase) | |
| 2 | 70006496 | 1 | Rod | |
| 3 | 70006495 | 1 | Head | |
| 4 | See Note | NSS | Wiper, Rod (Note: Use Item 51) | |
| 5 | See Note | NSS | Seal, Rod (Note: Use Item 51) | |
| 6 | See Note | NSS | Ring, Wear (Note: Use Item 51) | |
| 7 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 8 | See Note | NSS | Ring, Back-up (Note: Use Item 51) | |
| 9 | 70006494 | 1 | Piston | |
| 10 | See Note | NSS | Ring, Guide (Note: Use Item 51) | |
| 11 | See Note | NSS | Ring, Lock (Note: Use Item 51) | |
| 12 | See Note | NSS | O-Ring (Note: Use Item 51) | |
| 13 | See Note | NSS | Ring, Back-up (Note: Use Item 51) | |
| 14 | 0961897 | 1 | Bushing, Tapered | |
| 15 | 0630535 | 3 | Capscrew 1/4 x 1-1/8 | |
| 16 | 3931824 | 8 | Capscrew 1/2 x 1-1/2 | |
| 17 | 70007049 | 1 | Ring, Washer | |
| 18 | 4641386 | 1 | Cartridge, Holding Valve (Vented) | |
| 18 | 7011376 | 1 | Seal Kit - 4641386 Cartridge (1 Per Cartridge) | |
| 19 | 4641393 | 1 | Cartridge, Holding Valve (Vented) | |
| 19 | 7011376 | 1 | Seal Kit - 4641393 Cartridge (1 Per Cartridge) | |
| 20 | 4641388 | 1 | Cartridge, Holding Valve | |
| 20 | 7011353 | 1 | Seal Kit - 4641388 Cartridge (1 Per Cartridge) | |
| 21 | 0962561 | 1 | Bushing | |
| 22 | 0961949 | 2 | Bushing | |
| 23 | 2220883 | 5 | Plug, O-Ring | |
| 24 | 2220886 | AR | Plug, O-Ring | |
| 25 | 0100011 | AR | Compound, Locking | |
| 26 | 0100038 | AR | Primer, Locking | |
| 27 | 0100019 | AR | Compound, Locking | |
| 51 | 2902285 | 1 | Seal Kit (Includes Items 4-8 & 10-13) | |

# SECTION 6 - CYLINDER

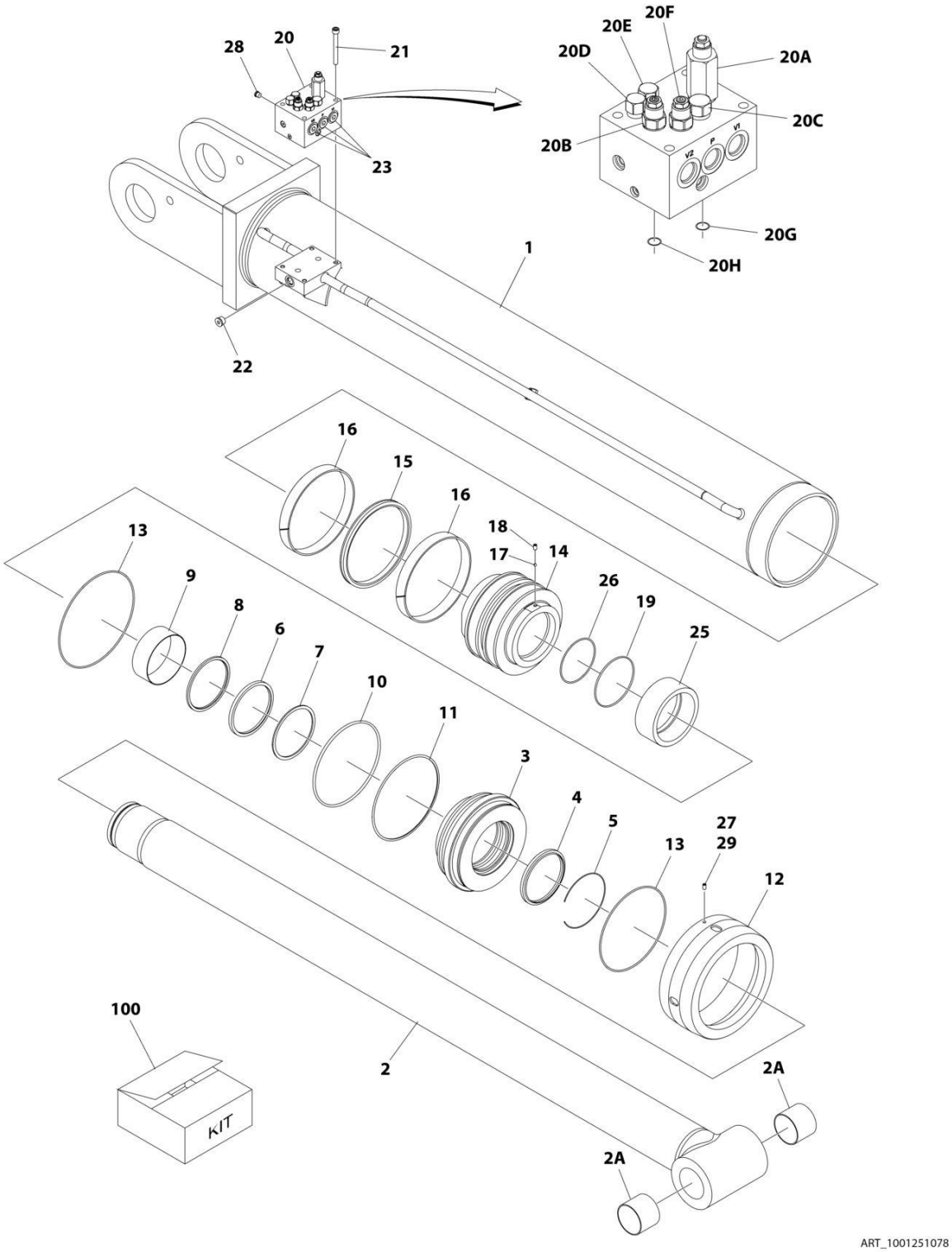
**FIGURE 6-4. PLATFORM LEVEL CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)**



## FIGURE 6-4. PLATFORM LEVEL CYLINDER ASSEMBLY - WITHOUT COLD WEATHER PLUS PACKAGE (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251034 | Ref | PLATFORM LEVEL CYLINDER | 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: Not Available for Purchase) | |
| 2 | 70008067 | 1 | Rod | |
| 3 | 70008068 | 1 | Head | |
| 4 | See Note | NSS | Wiper, Rod (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 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 10 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 11 | 70008069 | 1 | Piston | |
| 12 | See Note | NSS | Seal (Note: Use Item 100) | |
| 13 | 70005839 | 1 | Setscrew M8 x 12 | |
| 14 | 0962561 | 1 | Bushing | |
| 15 | 0961949 | 2 | Bushing | |
| 16 | 4641386 | 1 | Cartridge, Counterbalance Valve | |
| 16 | 7011376 | 1 | Seal Kit - 4641386 Cartridge | |
| 17 | 4641393 | 1 | Cartridge, Counterbalance Valve | |
| 17 | 7011376 | 1 | Seal Kit - 4641393 Cartridge | |
| 18 | 4641388 | 1 | Cartridge, Orifice Valve | |
| 18 | 7011353 | 1 | Seal Kit - 4641388 Cartridge | |
| 19 | 2220883 | 5 | Plug | |
| 100 | 70008070 | 1 | Seal Kit (Includes Items 4-10 & 12) | |

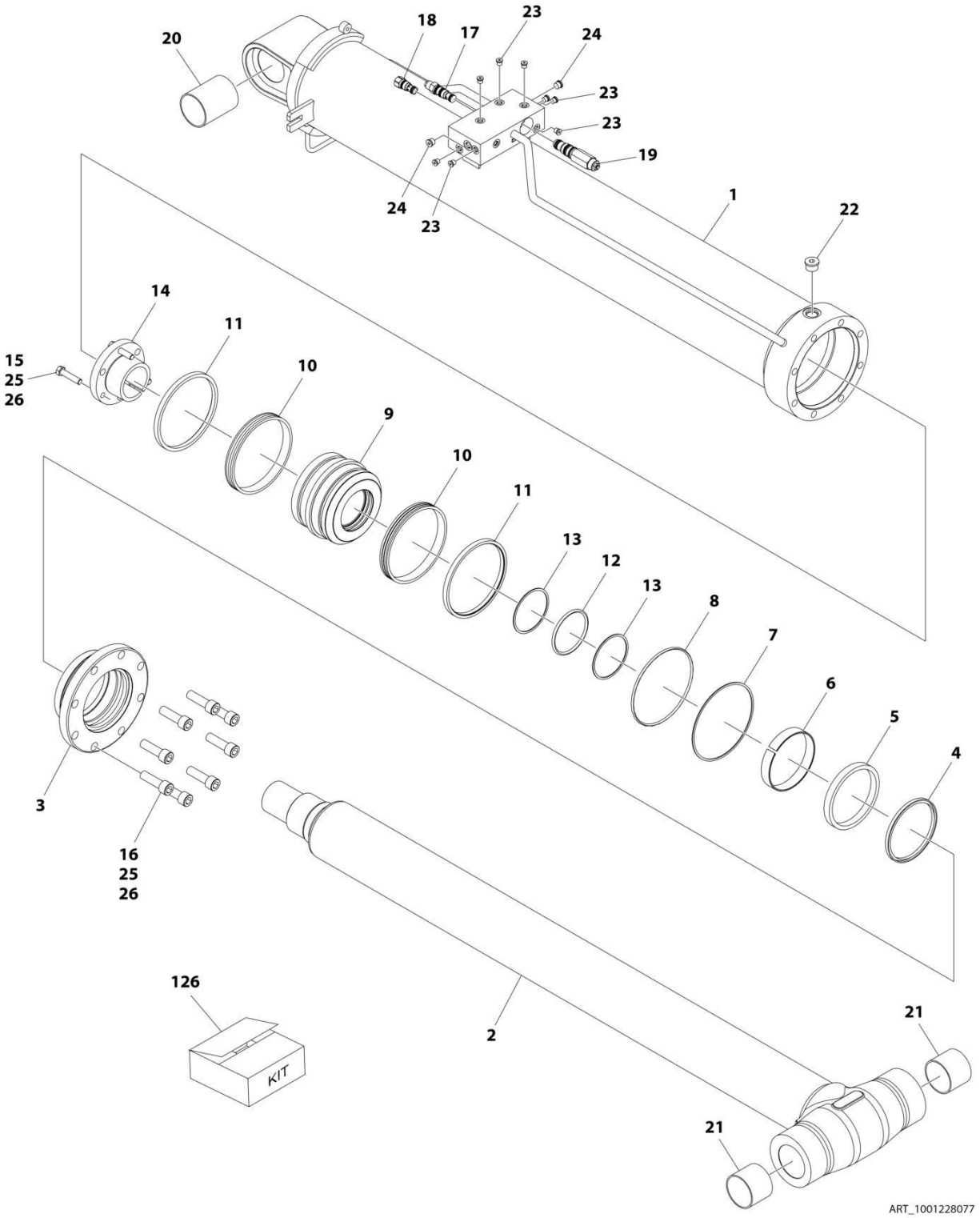
## FIGURE 6-5. LIFT CYLINDER ASSEMBLY - MAIN BOOM



## FIGURE 6-5. LIFT CYLINDER ASSEMBLY - MAIN BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251078 | Ref | LIFT CYLINDER ASSEMBLY - MAIN BOOM | 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: Not Available for Purchase) | |
| 2 | 70007431 | 1 | Rod | |
| 2A | 0962297 | 2 | Bushing | |
| 3 | 70007432 | 1 | Head | |
| 4 | See Note | NSS | Ring, Wiper (Note: Use Item 100) | |
| 5 | 70007433 | 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 | O-Ring (Note: Use Item 100) | |
| 9 | 70007434 | 1 | Ring, Wear | |
| 10 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 11 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 12 | 70007435 | 1 | Cap, Cylinder | |
| 13 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 14 | 70007436 | 1 | Piston | |
| 15 | See Note | NSS | Seal, Piston (Note: Use Item 100) | |
| 16 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 17 | 70022564 | 1 | Ball, Steel | |
| 18 | 70029468 | 1 | Setscrew | |
| 19 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 20 | 4641370 | 1 | Valve Block Assembly | A |
| 20A | 4641340 | NLA | Cartridge, Valve (Use p/n 1001251329) | |
| 20A | 7011367 | 1 | Seal Kit - 4641340 Cartridge Valve | |
| 20B | 4640938 | 1 | Cartridge, Valve | |
| 20B | 2900770 | 1 | Seal Kit - 4640938 Cartridge Valve | |
| 20C | 7011362 | 1 | Cartridge, Valve | |
| 20C | 7011311 | 1 | Seal Kit - 7011362 Cartridge Valve | |
| 20D | 7011365 | 1 | Cartridge, Valve | |
| 20D | 7011346 | 1 | Seal Kit - 7011365 Cartridge Valve | |
| 20E | 7011364 | 1 | Cartridge, Valve | |
| 20E | 7011346 | 1 | Seal Kit - 7011364 Cartridge Valve | |
| 20F | 7011375 | 1 | Cartridge, Valve | |
| 20F | 2900770 | 1 | Seal Kit - 7011375 Cartridge Valve | |
| 20G | 70000777 | 1 | O-Ring | |
| 20H | 70000778 | 1 | O-Ring | |
| 21 | 70006927 | 4 | Capscrew M8 | |
| 22 | 2220886 | 1 | Plug, O-Ring | |
| 23 | 70005433 | 3 | Plug, O-Ring | |
| 25 | 70007437 | 1 | Spacer | |
| 26 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 27 | 70007282 | 1 | Insert, Locking | |
| 28 | 2220883 | 1 | Plug, O-Ring | |
| 29 | 70007438 | 1 | Setscrew | |
| 100 | 70007439 | 1 | Seal Kit (Includes Items 101-110) | |

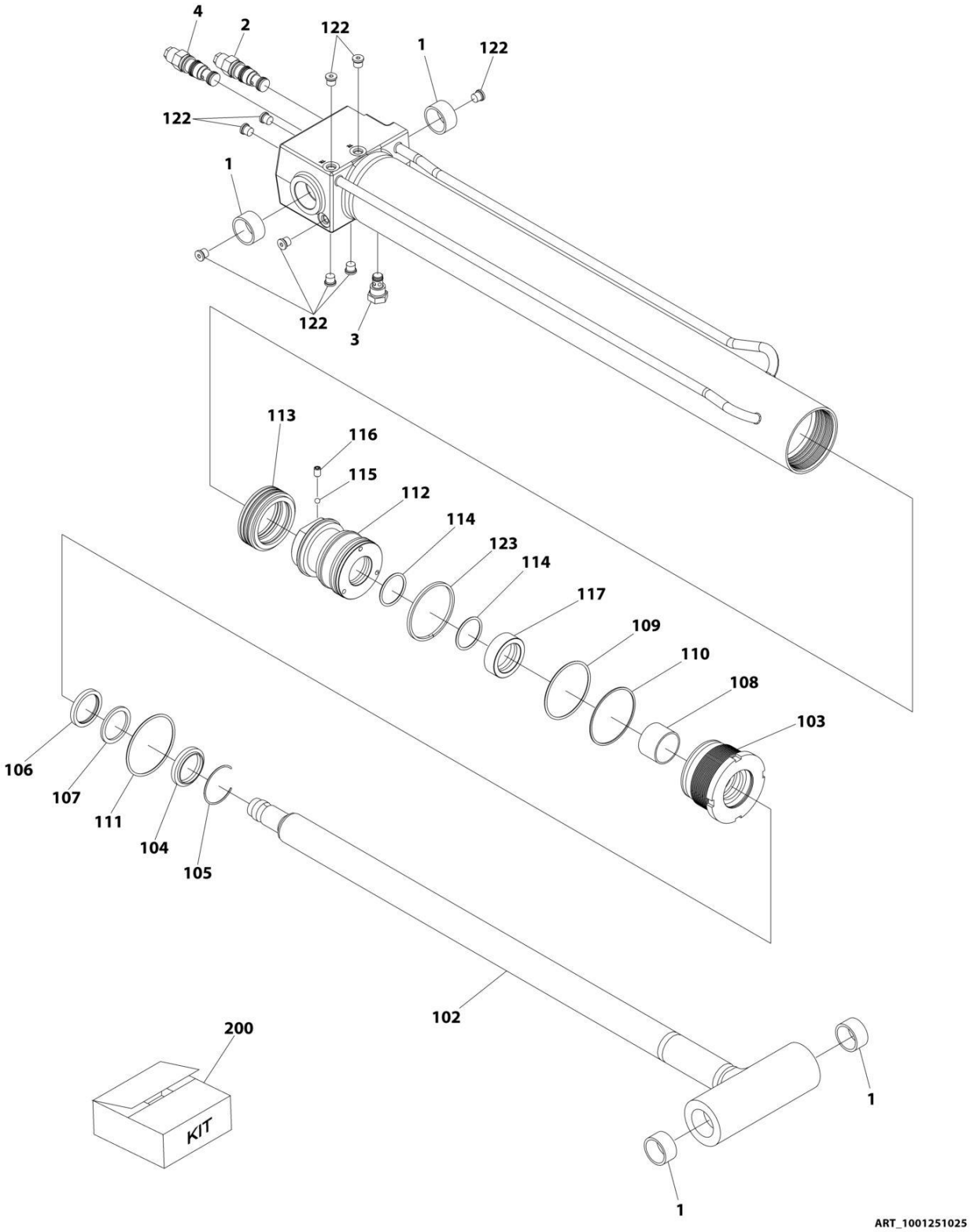
## FIGURE 6-6. LIFT CYLINDER ASSEMBLY - TOWER BOOM



## FIGURE 6-6. LIFT CYLINDER ASSEMBLY - TOWER BOOM

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228077 | Ref | LIFT CYLINDER ASSEMBLY - TOWER BOOM | C |
| | | 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 | 70006509 | 1 | Rod | |
| 3 | 70006508 | 1 | Head | |
| 4 | See Note | NSS | Ring, Wiper (Note: Use Item 126) | |
| 5 | See Note | NSS | Seal, Rod (Note: Use Item 126) | |
| 6 | See Note | NSS | Ring, Wear (Note: Use Item 126) | |
| 7 | See Note | NSS | O-Ring (Note: Use Item 126) | |
| 8 | See Note | NSS | Ring, Back-up (Note: Use Item 126) | |
| 9 | 70006507 | 1 | Piston | |
| 10 | See Note | NSS | Ring, Hydrolock (Note: Use Item 126) | |
| 11 | See Note | NSS | Ring, Lock (Note: Use Item 126) | |
| 12 | See Note | NSS | O-Ring (Note: Use Item 126) | |
| 13 | See Note | NSS | Ring, Back-up (Note: Use Item 126) | |
| 14 | 0961901 | 1 | Bushing, Tapered | |
| 15 | 0630537 | 3 | Capscrew | |
| 16 | 3932240 | 8 | Capscrew 3/4 x 2-1/2 | |
| 17 | 1001120140 | 1 | Cartridge, Valve | |
| 17 | 2900770 | 1 | Seal Kit - 1001120140 Cartridge Valve | |
| 18 | 4641285 | 1 | Cartridge, Valve | |
| 18 | 7011311 | 1 | Seal Kit - 4641285 Cartridge Valve | |
| 19 | 1001120141 | 1 | Cartridge, Valve | |
| 19 | 7011367 | 1 | Seal Kit - 1001120141 Cartridge Valve | |
| 20 | 0962552 | 1 | Bushing | |
| 21 | 0962297 | 2 | Bushing | |
| 22 | 2220888 | 1 | Plug, O-Ring | |
| 23 | 2220883 | 9 | Plug, O-Ring | |
| 24 | 2220885 | 2 | Plug, O-Ring | |
| 25 | 0100011 | AR | Compound, Locking | |
| 26 | 0100038 | AR | Primer, Locking | |
| 126 | 1001118762 | 1 | Seal Kit (Includes Items 4-8 & 10-13) | |

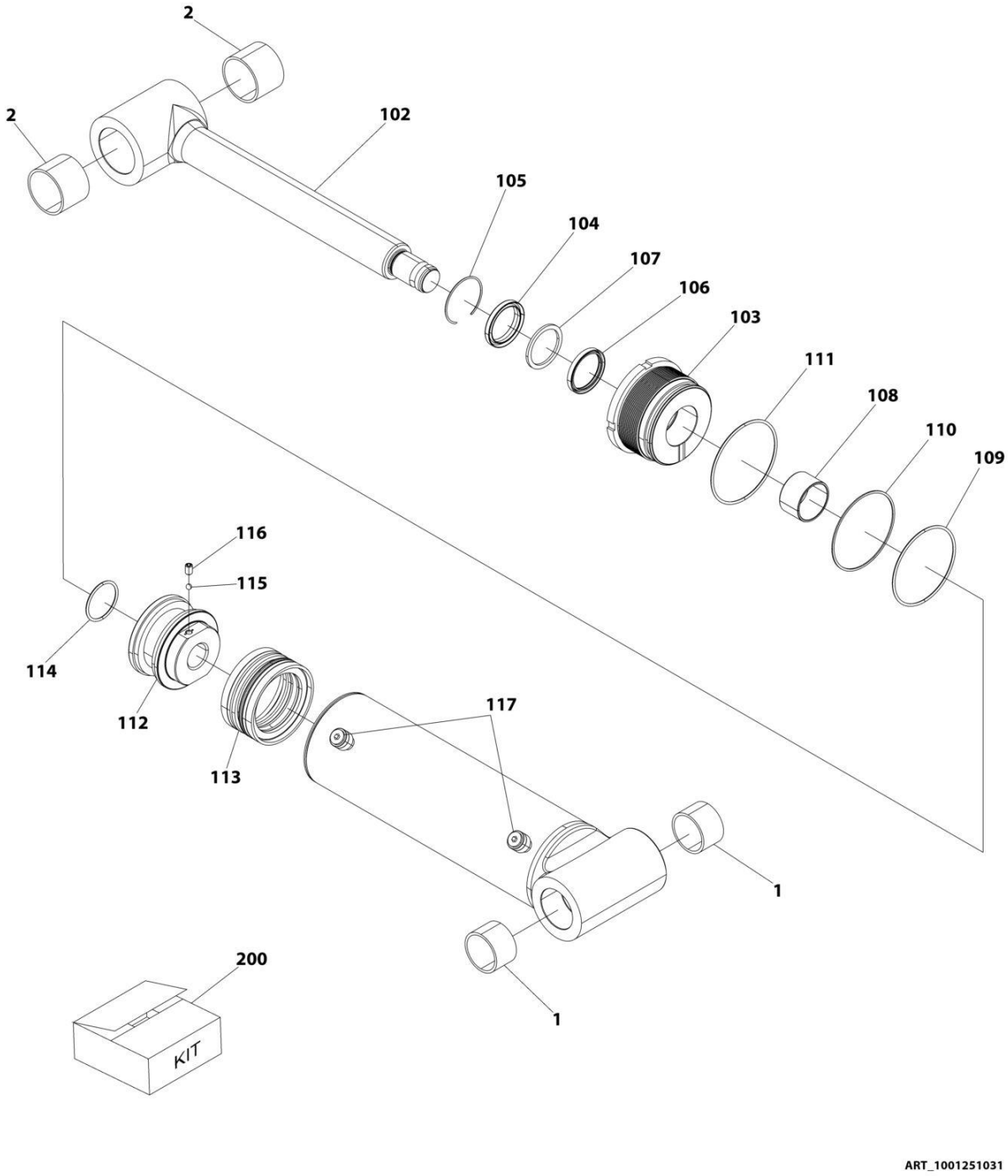
## FIGURE 6-7. JIB CYLINDER ASSEMBLY



## FIGURE 6-7. JIB CYLINDER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251025 | Ref | JIB CYLINDER ASSEMBLY | A |
| | | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. | |
| 1 | 0962257 | 4 | Bushing | |
| 2 | 4640452 | 1 | Valve, Counterbalance | |
| 2 | 2900770 | 1 | Seal Kit - For 4640452 Counterbalance Valve | |
| 3 | 4641114 | 1 | Valve, Check | |
| 3 | 7012998 | 1 | Seal Kit - For 4641114 Check Valve | |
| 4 | 4641260 | 1 | Valve, Counterbalance | |
| 4 | 2900770 | 1 | Seal Kit - For 4641260 Counterbalance Valve | |
| 102 | 70007993 | 1 | Rod | |
| 103 | 70007994 | 1 | Head | |
| 104 | See Note | NSS | Wiper (Note: Use Item 200) | |
| 105 | 70002373 | 1 | Ring, Retaining | |
| 106 | See Note | NSS | Seal (Note: Use Item 200) | |
| 107 | See Note | NSS | Ring (Note: Use Item 200) | |
| 108 | 70005143 | 1 | Bearing | |
| 109 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 110 | See Note | NSS | Ring (Note: Use Item 200) | |
| 111 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 112 | 70007995 | 1 | Piston | |
| 113 | See Note | NSS | Seal (Note: Use Item 200) | |
| 114 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 115 | 70022564 | 1 | Ball, Steel | |
| 116 | 70006596 | 1 | Setscrew M8 x 1-1/4 | |
| 117 | 70007996 | 1 | Spacer | |
| 122 | 2220883 | 9 | Plug | |
| 123 | 70007997 | 1 | Ring | |
| 200 | 70007998 | 1 | Seal Kit (Includes Items 104, 106, 107, 109-111, 113 & 114) | |

## FIGURE 6-8. STEER CYLINDER ASSEMBLY

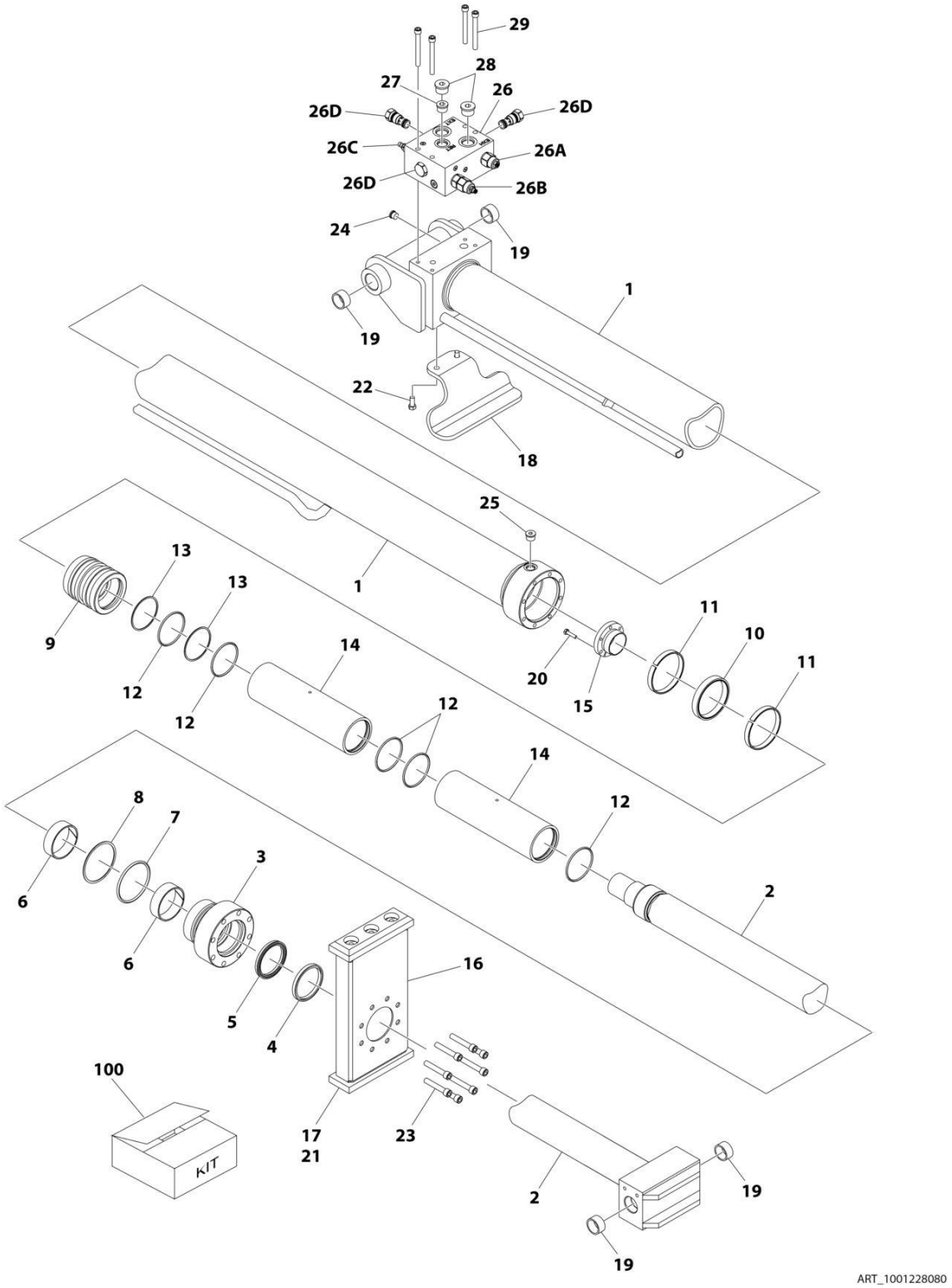


## FIGURE 6-8. STEER CYLINDER ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251031 | Ref | STEER CYLINDER ASSEMBLY | A |
| | | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. | |
| 1 | 0961949 | 2 | Bushing | |
| 2 | 0961950 | 2 | Bushing | |
| 102 | 70008004 | 1 | Rod | |
| 103 | 70008005 | 1 | Head | |
| 104 | See Note | NSS | Wiper (Note: Use Item 200) | |
| 105 | 70002410 | 1 | Ring, Retaining | |
| 106 | See Note | NSS | Seal (Note: Use Item 200) | |
| 107 | See Note | NSS | Ring (Note: Use Item 200) | |
| 108 | 70004237 | 1 | Bearing | |
| 109 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 110 | See Note | NSS | Ring (Note: Use Item 200) | |
| 111 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 112 | 70008006 | 1 | Piston | |
| 113 | See Note | NSS | Seal (Note: Use Item 200) | |
| 114 | See Note | NSS | O-Ring (Note: Use Item 200) | |
| 115 | 70022564 | 1 | Ball, Steel | |
| 116 | 70006596 | 1 | Setscrew M8 x 1-1/4 | |
| 117 | 2220885 | 2 | Plug | |
| 200 | 70008007 | 1 | Seal Kit (Includes Items 104, 106, 107, 109-111, 113 & 114) | |

# SECTION 6 - CYLINDER

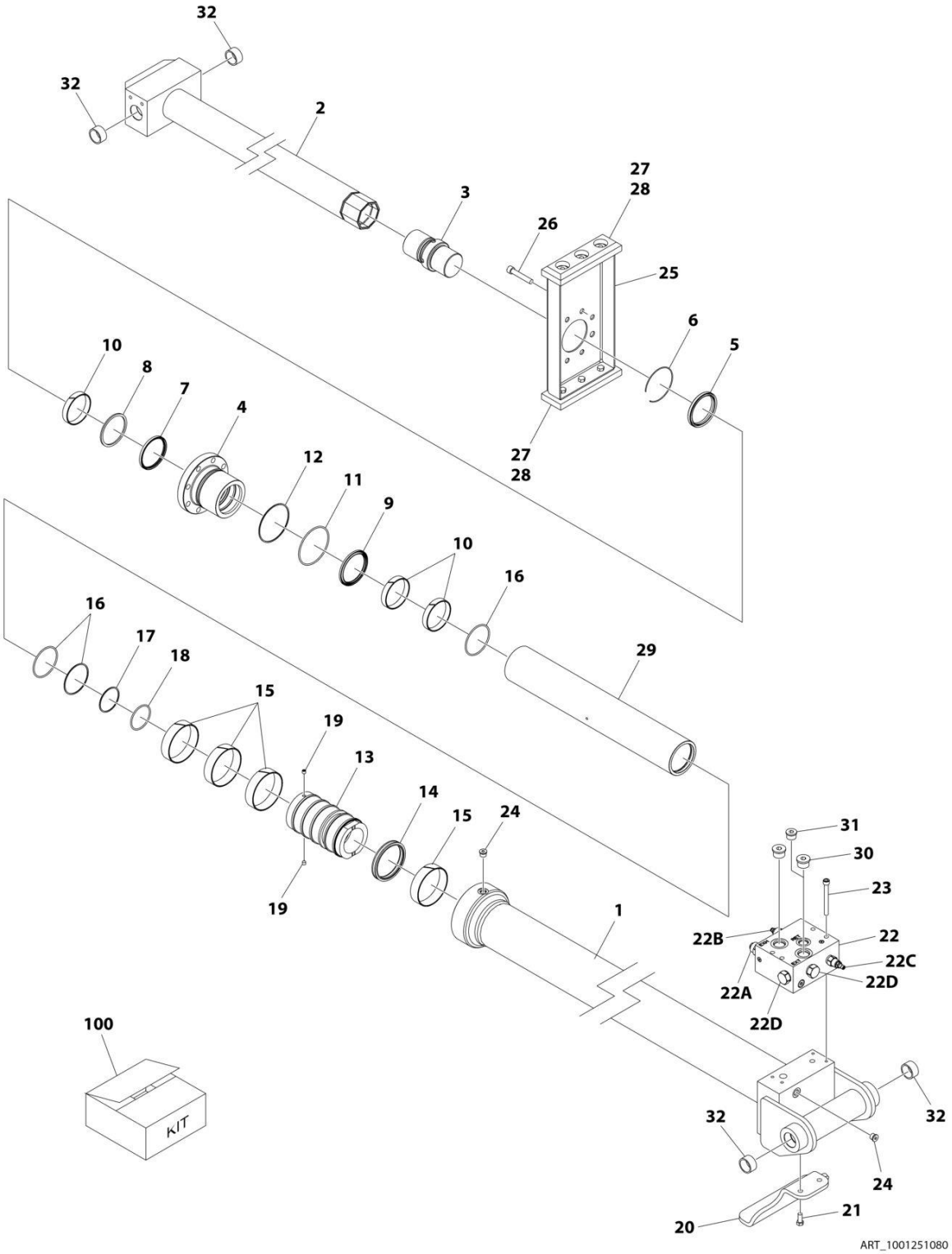
## FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)



## FIGURE 6-9. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228080 | Ref | TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM | 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 | 70006693 | 1 | Rod | |
| 3 | 70006694 | 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 | 70006695 | 1 | Piston | |
| 10 | See Note | NSS | Seal (Note: Use Item 100) | |
| 11 | See Note | NSS | Ring, Wear (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 | 70006696 | 1 | Spacer | |
| 15 | 0961897 | 1 | Bushing, Tapered | |
| 16 | 3574580 | 1 | Plate, Wear Pad Mount | |
| 17 | 3340982 | 2 | Pad, Wear | |
| 18 | 3574586 | 1 | Plate, Tele Foot | |
| 19 | 0962257 | 4 | Bushing | |
| 20 | 0630535 | 3 | Capscrew 1/4 x 1-1/8 | |
| 21 | 0641606 | 6 | Bolt 3/8 x 3/4 | |
| 22 | 0641607 | 2 | Bolt 3/8 x 7/8 | |
| 23 | 3931740 | 8 | Capscrew 7/16 x 2-1/2 | |
| 24 | 2220885 | 1 | Plug, O-Ring | |
| 25 | 2220886 | 1 | Plug, O-Ring | |
| 26 | 4641288 | 1 | Valve Assembly | |
| 26A | 7011372 | 1 | Cartridge | |
| 26A | 2900789 | 1 | Seal Kit - 7011372 Cartridge Valve | |
| 26B | 7011370 | 1 | Cartridge | |
| 26B | 7011371 | 1 | Seal Kit - 7011370 Cartridge Valve | |
| 26C | 7011369 | 1 | Cartridge | |
| 26C | 7011311 | 1 | Seal Kit - 7011369 Cartridge Valve | |
| 26D | 7011368 | 3 | Cartridge | |
| 26D | 7011351 | 3 | Seal Kit - 7011368 Cartridge Valve (1 Per Cartridge) | |
| 27 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 28 | 2111212 | 2 | Fitting, Straight ORFS/ORB | |
| 29 | 3931656 | 4 | Capscrew 3/8 x 3-1/2 | |
| 100 | 1001175887 | 1 | Seal Kit (Includes Items 4-8 & 10-13) | |

## FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

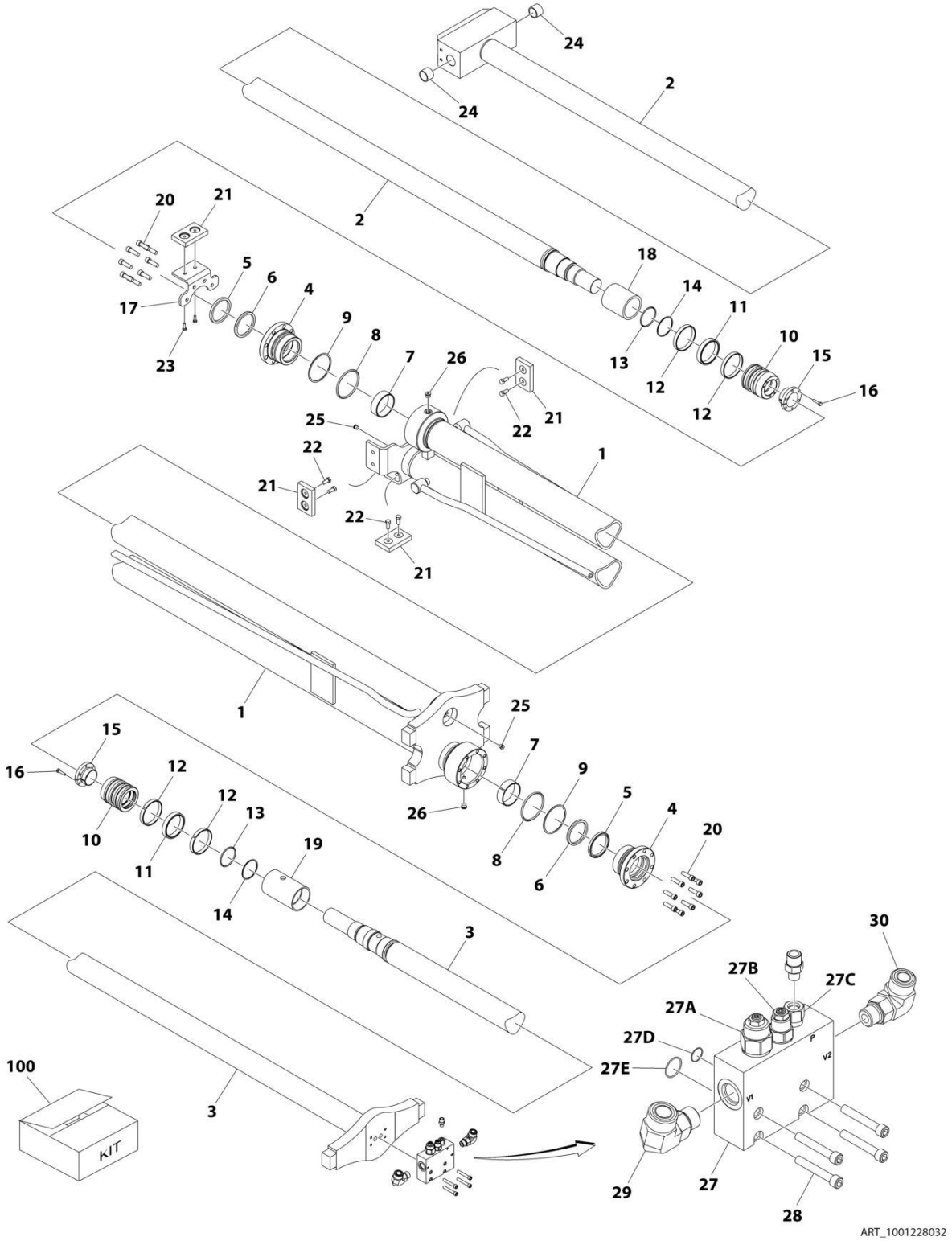


## FIGURE 6-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251080 | Ref | PLATFORM LEVEL CYLINDER | 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: Not Available for Purchase) | |
| 2 | 70008071 | 1 | Rod | |
| 3 | 70008072 | 1 | Cap, Rod End | |
| 4 | 70007977 | 1 | Head | |
| 5 | See Note | NSS | Wiper (Note: Use Item 100) | |
| 6 | 70023379 | 2 | Ring, Retaining | |
| 7 | See Note | NSS | Seal (Note: Use Item 100) | |
| 8 | See Note | NSS | Ring, Back Up (Note: Use Item 100) | |
| 9 | See Note | NSS | Ring, Buffer (Note: Use Item 100) | |
| 10 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 11 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 12 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 13 | 70008073 | 1 | Piston | |
| 14 | See Note | NSS | Seal (Note: Use Item 100) | |
| 15 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 16 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 17 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 18 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 19 | 70006799 | 2 | Setscrew M8 x 12 | |
| 20 | 3574586 | 1 | Bracket | |
| 21 | 70008074 | 2 | Capscrew M10 x 1-1/2 | |
| 22 | 4641288 | 1 | Valve Assembly | |
| 22A | 7011372 | 1 | Cartridge | |
| 22A | 2900789 | 1 | Seal Kit - 7011372 Cartridge | |
| 22B | 7011370 | 1 | Cartridge | |
| 22B | 7011371 | 1 | Seal Kit - 7011370 Cartridge | |
| 22C | 7011369 | 1 | Cartridge | |
| 22C | 7011311 | 1 | Seal Kit - 7011369 Cartridge | |
| 22D | 7011368 | 3 | Cartridge | |
| 22D | 7011351 | 3 | Seal Kit - 7011368 Cartridge (1 Per Cartridge) | |
| 23 | 70008075 | 4 | Capscrew M8 x 90 | |
| 24 | 2220885 | 2 | Plug | |
| 25 | 70008076 | 1 | Bracket, Wear Pad | |
| 26 | 70007988 | 8 | Bolt M12 x 50 | |
| 27 | 70008077 | 2 | Wear Pad | |
| 28 | 70006794 | 6 | Bolt M10 x 16 | |
| 29 | 70008078 | 1 | Spacer | |
| 30 | 70027702 | 2 | Plug | |
| 31 | 70005433 | 1 | Plug | |
| 32 | 0962257 | 4 | Bushing | |
| 100 | 70008070 | 1 | Seal Kit (Includes Items 5, 7-12 & 14-18) | |

# SECTION 6 - CYLINDER

## FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

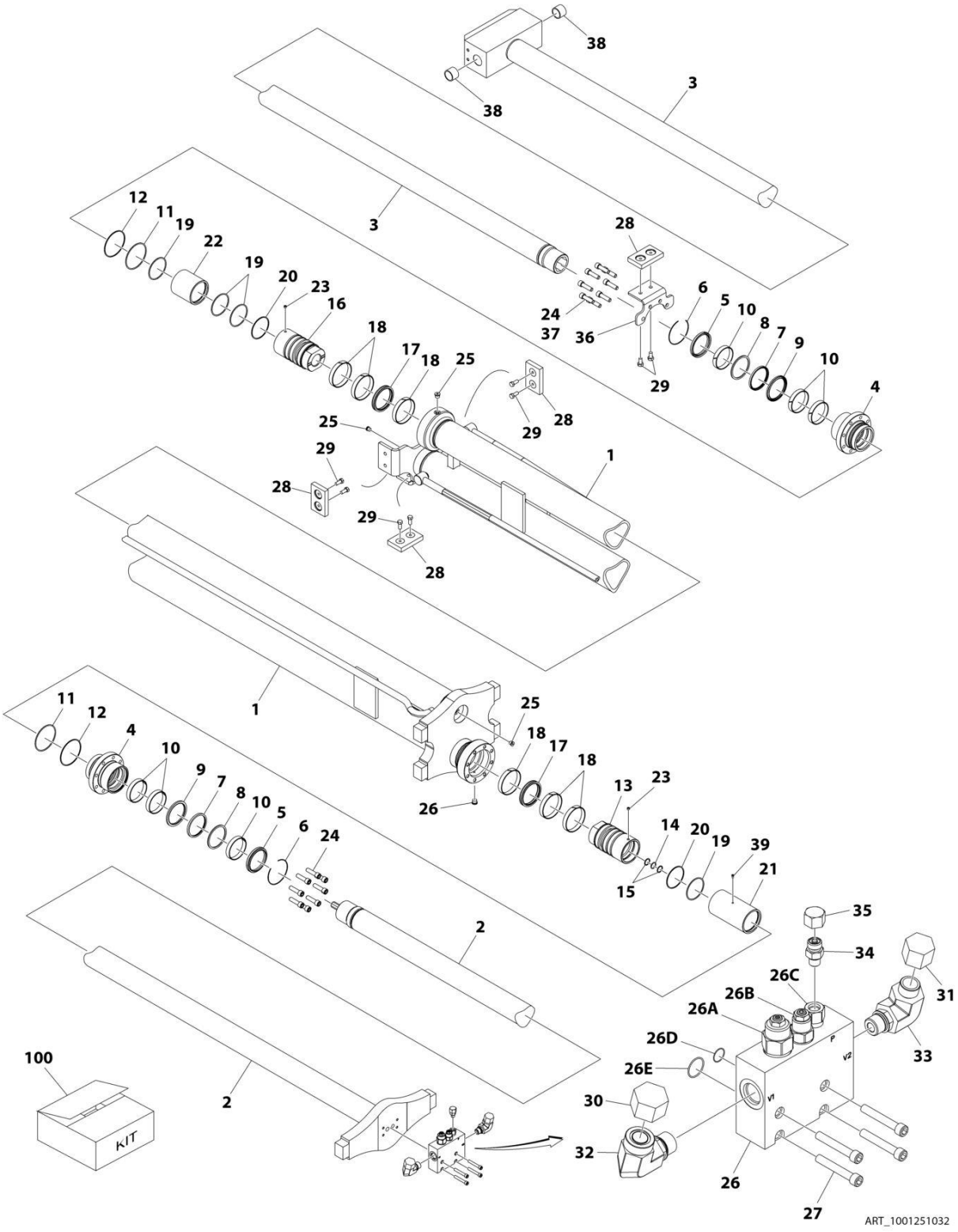


## FIGURE 6-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM (Prior to SN 0300296151, Except SN 0300287797 through 0300290460, Except SN 0300296141 through 0300296143, Excluding 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228032 | Ref | TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM | C |
| | | 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 | 70006713 | 1 | Rod | |
| 3 | 70006714 | 1 | Rod | |
| 4 | 70006715 | 2 | Head | |
| 5 | See Note | NSS | Wiper (Note: Use Item 100) | |
| 6 | See Note | NSS | Seal, Rod (Note: Use Item 100) | |
| 7 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 8 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 9 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 10 | 70006716 | 2 | Piston | |
| 11 | See Note | NSS | Seal (Note: Use Item 100) | |
| 12 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 13 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 14 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 15 | 0961897 | 2 | Bushing, Tapered | |
| 16 | 0630535 | 6 | Capscrew 1/4 x 1-1/8 | |
| 17 | 3574630 | 1 | Bracket, Wear Pad Mounting | |
| 18 | 70006717 | 1 | Spacer | |
| 19 | 70006718 | 1 | Spacer | |
| 20 | 3931724 | 16 | Capscrew 7/16 x 1-1/2 | |
| 21 | 3340763 | 4 | Pad, Wear | |
| 22 | 0641607 | 6 | Bolt 3/8 x 7/8 | |
| 23 | 0641606 | 2 | Bolt 3/8 x 3/4 | |
| 24 | 0961951 | 2 | Bushing | |
| 25 | 2220883 | 2 | Plug, O-Ring | |
| 26 | 2220885 | 2 | Plug, O-Ring | |
| 27 | 4641298 | 1 | Valve Assembly | |
| 27A | 7011359 | 1 | Cartridge, Valve | |
| 27A | 2900789 | 1 | Seal Kit - 7011359 Valve | |
| 27B | 4641162 | 1 | Cartridge, Valve (was p/n 7011360) | |
| 27B | 2900770 | 1 | Seal Kit - 7011360 & 4641162 Valve | |
| 27C | 7011361 | 1 | Cartridge, Flow-Through Valve | |
| 27C | 7011346 | 1 | Seal Kit - 7011361 Valve | |
| 27D | 70000778 | 1 | O-Ring | |
| 27E | 70000777 | 1 | O-Ring | |
| 28 | 3931532 | 4 | Capscrew 5/16 x 2 | |
| 29 | 2131210 | 1 | Fitting, 90 ORFS/ORB | |
| 30 | 2131008 | 1 | Fitting, 90 ORFS/ORB | |
| 100 | 2902291 | 2 | Seal Kit (Includes Items 5-9 & 11-14) | |
| | | Ref | Note: Two kits required to rebuild this double barreled cylinder - One kit required for each barrel of the cylinder. | |

# SECTION 6 - CYLINDER

## FIGURE 6-12. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)



## FIGURE 6-12. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM (SN 0300296151 to Present, SN 0300287797 through 0300290460, SN 0300296141 through 0300296143, Including 0300296138, 0300296139, 0300296146, 0300296147 and 0300296149)

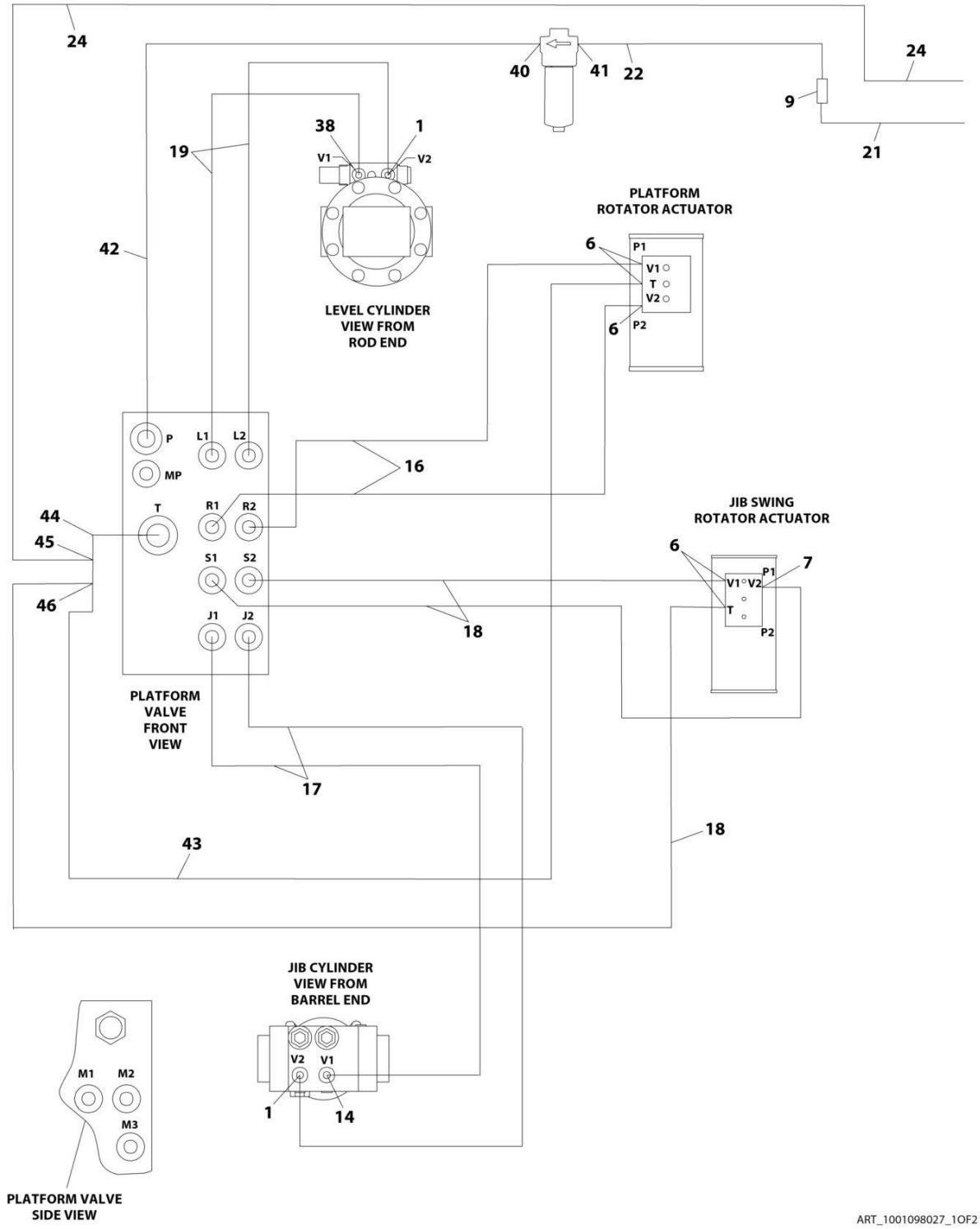
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251032 | Ref | TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM | A |
| | | Ref | Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts. | |
| 1 | See Note | NSS | Barrel (Note: Not Available for Purchase) | |
| 2 | 70008051 | 1 | Rod | |
| 3 | 70008052 | 1 | Rod | |
| 4 | 70008053 | 2 | Head | |
| 5 | See Note | NSS | Wiper (Note: Use Item 100) | |
| 6 | 70023379 | 2 | Ring, Retaining | |
| 7 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 8 | See Note | NSS | Ring, Back Up (Note: Use Item 100) | |
| 9 | See Note | NSS | Ring, Buffer (Note: Use Item 100) | |
| 10 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 11 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 12 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 13 | 70008054 | 1 | Piston | |
| 14 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 15 | See Note | NSS | Ring, Back Up (Note: Use Item 100) | |
| 16 | 70008055 | 1 | Piston | |
| 17 | See Note | NSS | Seal (Note: Use Item 100) | |
| 18 | See Note | NSS | Ring, Wear (Note: Use Item 100) | |
| 19 | See Note | NSS | O-Ring (Note: Use Item 100) | |
| 20 | See Note | NSS | Ring, Back-up (Note: Use Item 100) | |
| 21 | 70008056 | 1 | Spacer | |
| 22 | 70008057 | 1 | Spacer | |
| 23 | 70008058 | 2 | Setscrew M8 x 8 | |
| 24 | 70006803 | 12 | Capscrew M12 | |
| 25 | 2220883 | 2 | Plug, O-Ring | |
| 26 | 4641298 | 1 | Valve Assembly | |
| 26A | 7011359 | 1 | Cartridge, Valve | |
| 26A | 2900789 | 1 | Seal Kit - 7011359 Valve | |
| 26B | 4641162 | 1 | Cartridge, Valve (was p/n 7011360) | |
| 26B | 2900770 | 1 | Seal Kit - 7011360 & 4641162 Valve | |
| 26C | 7011361 | 1 | Cartridge, Flow-Through Valve | |
| 26C | 7011346 | 1 | Seal Kit - 7011361 Valve | |
| 26D | 70000778 | 1 | O-Ring | |
| 26E | 70000777 | 1 | O-Ring | |
| 27 | 70008059 | 4 | Capscrew 5/16 | |
| 28 | 70008060 | 4 | Wear Pad | |
| 29 | 70008061 | 8 | Capscrew M10 x 20 | |
| 30 | See Note | NSS | Dust Cap (Note: Not Availble for Purchase) | |
| 31 | See Note | NSS | Dust Cap (Note: Not Availble for Purchase) | |
| 32 | 70008062 | 1 | Fitting | |
| 33 | 70008063 | 1 | Fitting | |
| 34 | 70008064 | 1 | Fitting | |
| 35 | See Note | NSS | Dust Cap (Note: Not Availble for Purchase) | |
| 36 | 70008065 | 1 | Bracket | |

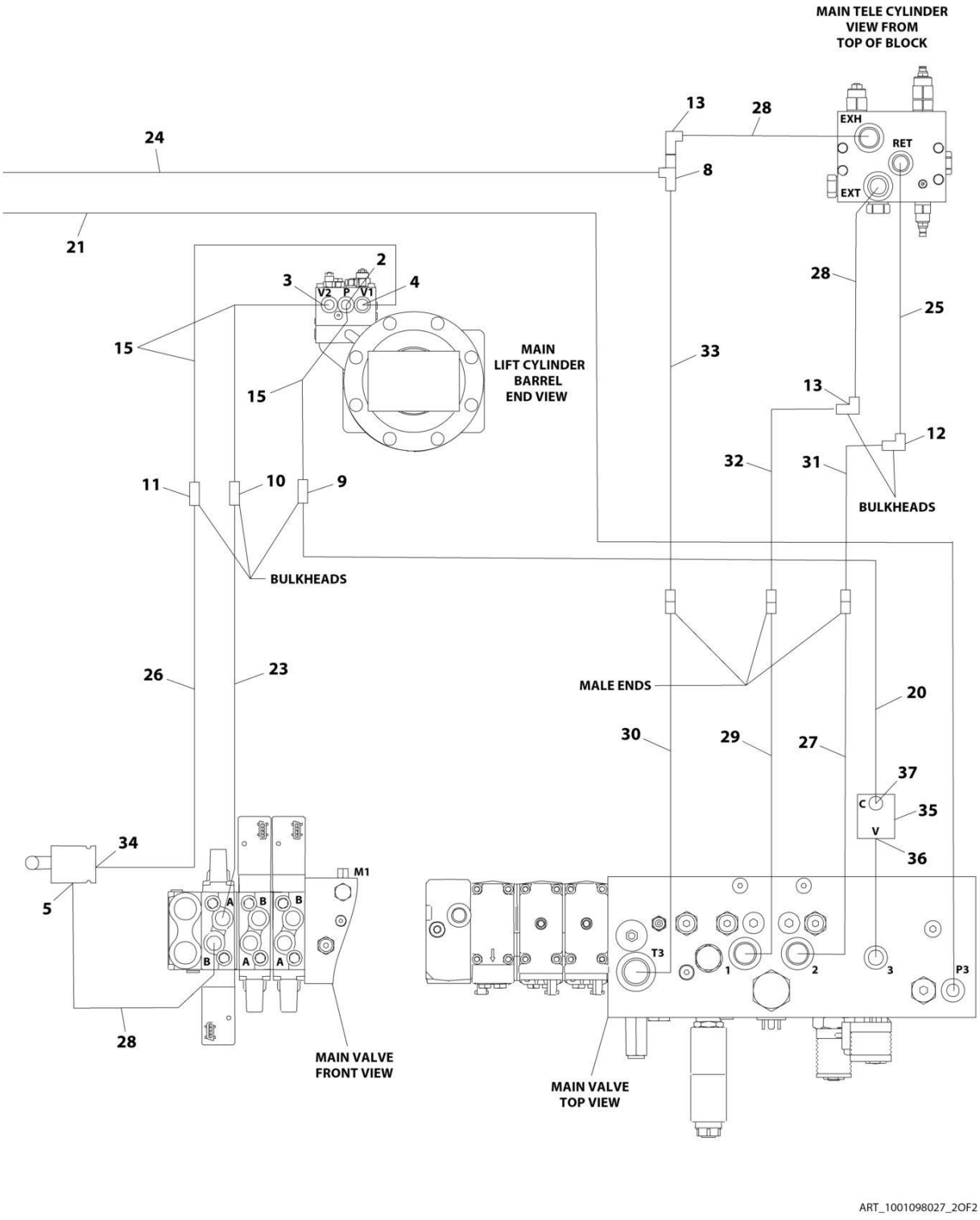
# SECTION 6 - CYLINDER

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 37 | 70007519 | 4 | Capscrew M12 x 50 | |
| 38 | 0961951 | 2 | Bushing | |
| 39 | 70006731 | 1 | Capscrew M10 x 12 | |
| 100 | 70008066 | 2 | Seal Kit (Includes Items 5, 7-12, 14, 15 & 17 - 20) | |
| | | Ref | Note: Two kits required to rebuild this double barreled cylinder - One kit required for each barrel of the cylinder. | |

# SECTION 7 - HYDRAULIC

## FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM (WITH REXROTH PUMPS)



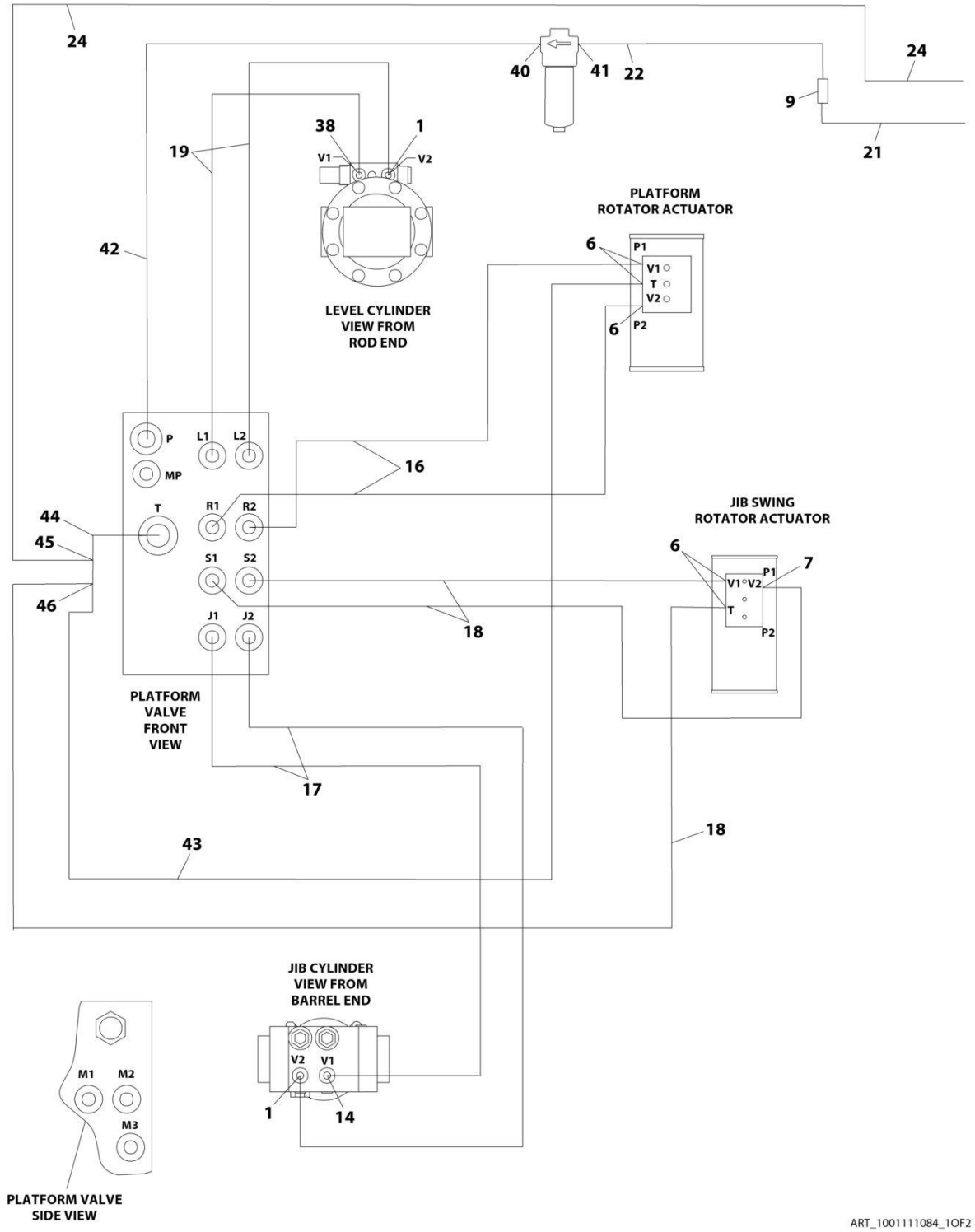

MAIN TELE CYLINDER
VIEW FROM
TOP OF BLOCK
EXH
RET
EXT
MAIN
LIFT CYLINDER
BARREL
END VIEW
BULKHEADS
BULKHEADS
MALE ENDS
MAIN VALVE
FRONT VIEW
MAIN VALVE
TOP VIEW
V2
P
V1
M1
T3
P3
ART_1001098027_2OF2

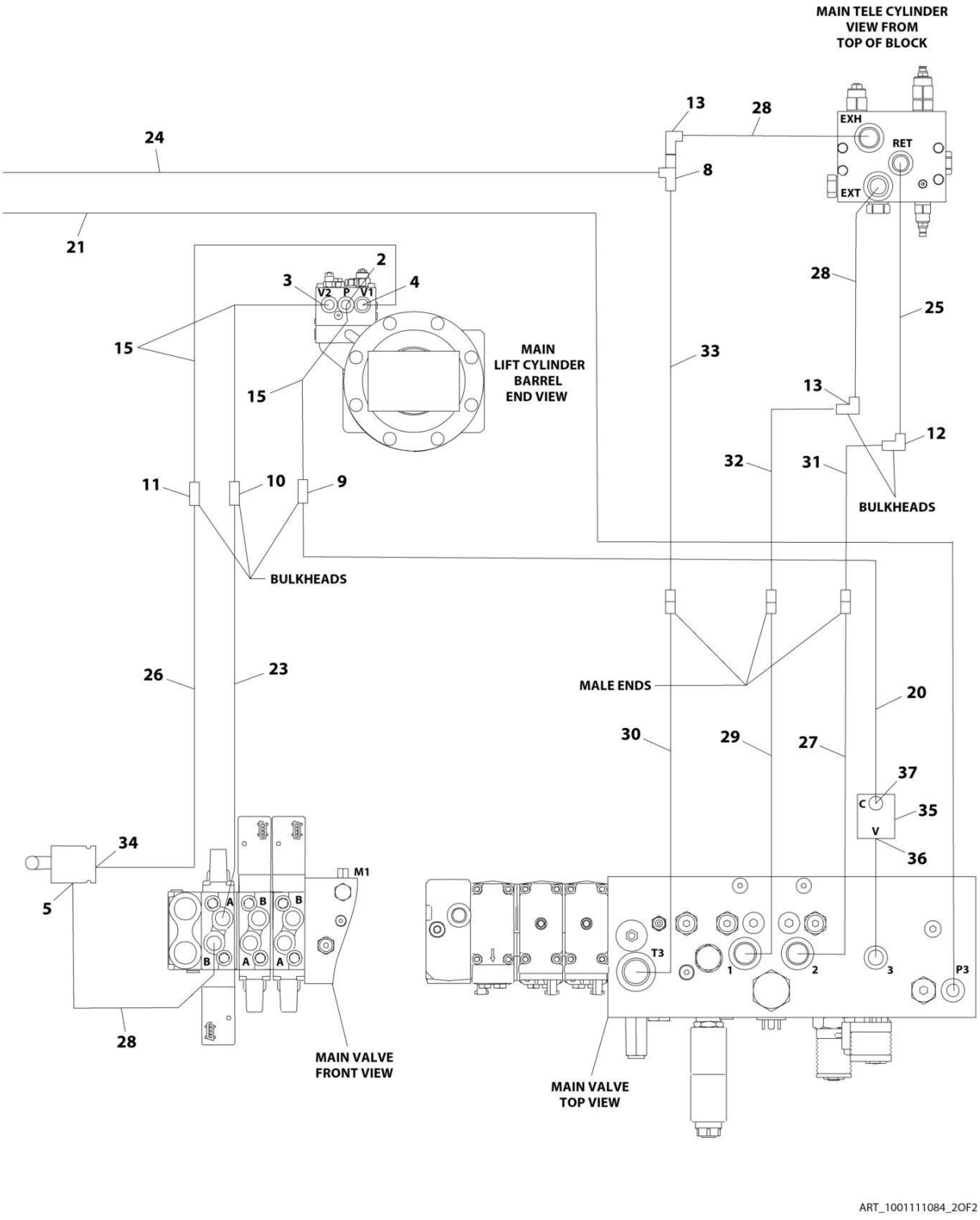
## FIGURE 7-1. HYDRAULIC DIAGRAM - BOOM (WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1283457 | Ref | HYDRAULIC DIAGRAM - BOOM (WITH REXROTH PUMPS) | L |
| | 1001098027 | Ref | Hydraulic Diagram - Tower/Upper Boom | B |
| 1 | 2110404 | 2 | Fitting, Straight ORFS/ORB | |
| 2 | 2110610 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110810 | 1 | Fitting, Straight ORFS/ORB | |
| 4 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 5 | 2111212 | 1 | Fitting, Straight ORFS/ORB | |
| 6 | 2150404 | 5 | Fitting, 45 ORFS/ORB | |
| 7 | 2170204 | 1 | Fitting, 90 ORFS/ORB | |
| 8 | 2170712 | 1 | Fitting, Tee ORFS/FSORFS/ORFS | |
| 9 | 2171306 | 2 | Fitting, 45 ORFS/ORB | |
| 10 | 2171308 | 1 | Fitting, 45 ORFS/ORB | |
| 11 | 2171310 | 1 | Fitting, 45 ORFS/ORB | |
| 12 | 2171210 | 1 | Fitting, 90 ORFS/ORB | |
| 13 | 2171212 | 2 | Fitting, 90 ORFS/ORB | |
| 14 | 2180830 | 1 | Fitting, Straight ORFS/ORB | |
| 15 | 2720516 | 1 | Hose | |
| 16 | 2753545 | 2 | Hose | |
| 17 | 2753717 | 2 | Hose | |
| 18 | 2753716 | 3 | Hose | |
| 19 | 2753897 | 2 | Hose | |
| 20 | 2753978 | 1 | Hose | |
| 21 | 2754123 | 1 | Hose | |
| 22 | 2754124 | 1 | Hose | |
| 23 | 2753985 | 1 | Hose | |
| 24 | 2753986 | 1 | Hose | |
| 25 | 2753987 | 1 | Hose | |
| 26 | 2753994 | 1 | Hose | |
| 27 | 2753993 | 1 | Hose | |
| 28 | 2753998 | 3 | Hose | |
| 29 | 2754002 | 1 | Hose | |
| 30 | 2754003 | 1 | Hose | |
| 31 | 2754010 | 1 | Hose | |
| 32 | 2754011 | 1 | Hose | |
| 33 | 2753999 | 1 | Hose | |
| 34 | 2111012 | 1 | Fitting, Straight ORFS/ORB | |
| 35 | 4641372 | 1 | Valve, Double Check | |
| 35 | 7027284 | 1 | Cartridge | |
| 35 | 7011346 | 1 | Seal Kit - 7027284 Cartridge | |
| 35 | 7027285 | 1 | Cartridge | |
| 35 | 7011311 | 1 | Seal Kit - 7027285 Cartridge | |
| 36 | 2221123 | 1 | Fitting, Straight S FSORFS/ORB | |
| 37 | 2130606 | 1 | Fitting, 90 ORFS/ORB | |
| 38 | 2180830 | 1 | Fitting, Straight ORFS/ORB | |
| 40 | 2110612 | 1 | Fitting, Straight ORFS/ORB | |
| 41 | 2130612 | 1 | Fitting, 90 ORFS/ORB | |
| 42 | 2717059 | 1 | Hose | |
| 43 | 2754288 | 1 | Hose | |
| 44 | 2170708 | 1 | Fitting, Swivel Nut Run Tee ORFS/FSORFS/ORFS | |
| 45 | 1001097820 | 1 | Fitting, Adapter ORFS/FSORFS | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46 | 2170704 | 1 | Fitting, Swivel Nut Run Tee ORFS/FSORFS/ORFS | |

## FIGURE 7-2. HYDRAULIC DIAGRAM - BOOM (WITH SAUER PUMPS)



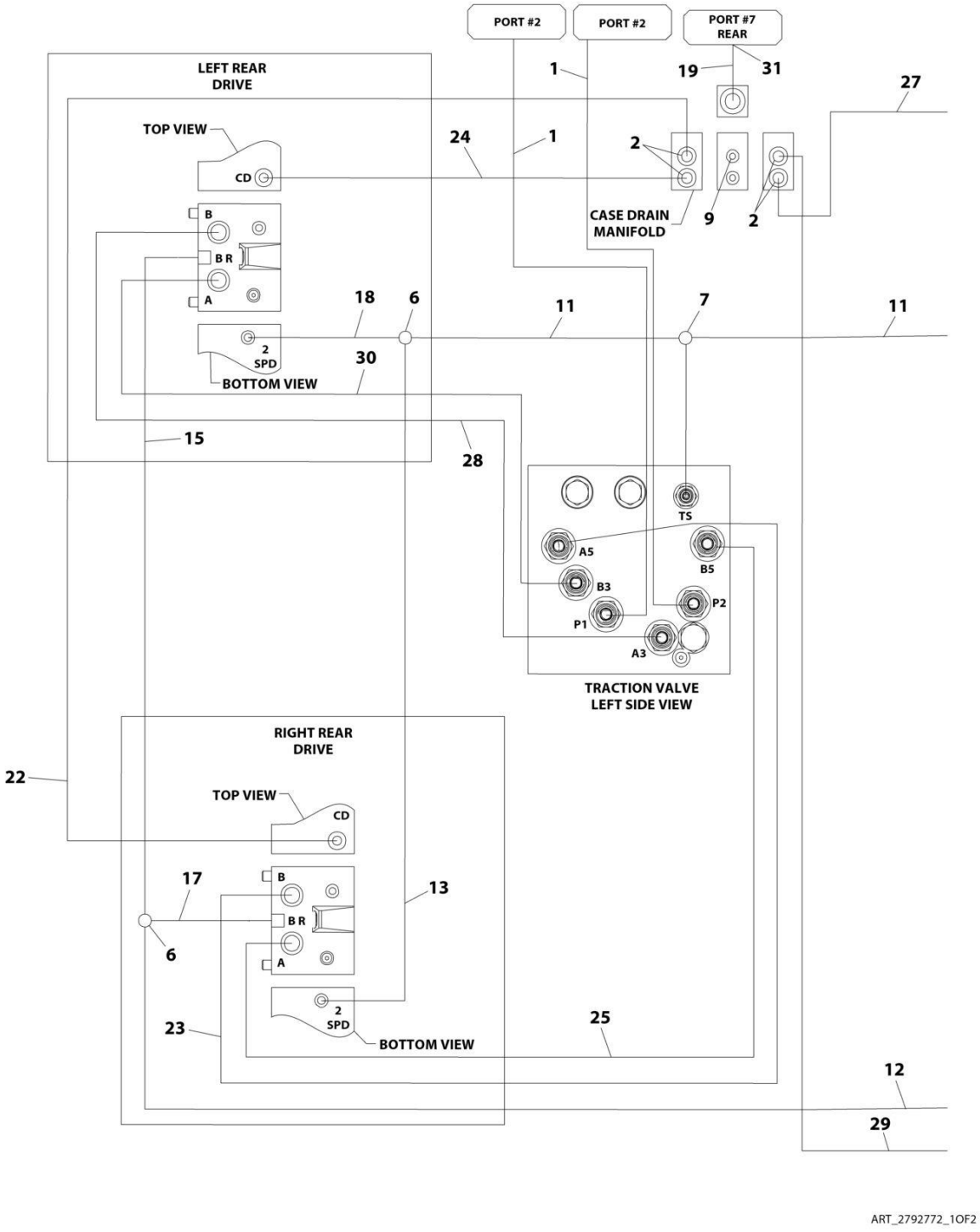

MAIN TELE CYLINDER
VIEW FROM
TOP OF BLOCK
EXH
RET
EXT
MAIN
LIFT CYLINDER
BARREL
END VIEW
BULKHEADS
BULKHEADS
MALE ENDS
MAIN VALVE
FRONT VIEW
MAIN VALVE
TOP VIEW
V2
P
V1
M1
T3
P3
ART_1001111084_2OF2

## FIGURE 7-2. HYDRAULIC DIAGRAM - BOOM (WITH SAUER PUMPS)

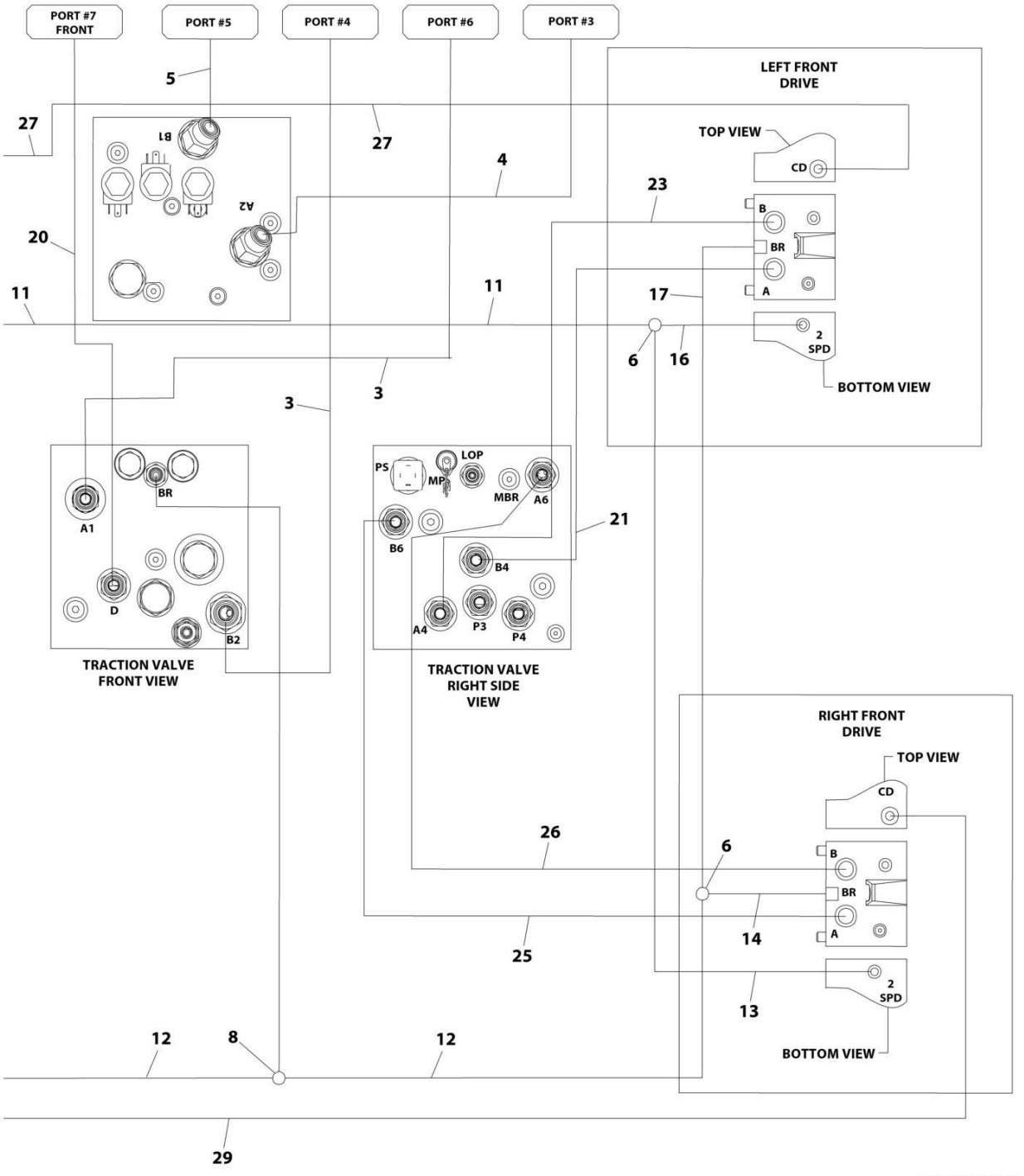
| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110252 | Ref | HYDRAULIC DIAGRAM - BOOM (WITH SAUER PUMPS) | L |
| | 1001111084 | Ref | Hydraulic Diagram - Tower/Upper Boom | B |
| 1 | 2110404 | 2 | Fitting, Straight ORFS/ORB | |
| 2 | 2110610 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110810 | 1 | Fitting, Straight ORFS/ORB | |
| 4 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 5 | 2111212 | 1 | Fitting, Straight ORFS/ORB | |
| 6 | 2150404 | 5 | Fitting, 45 ORFS/ORB | |
| 7 | 2170204 | 1 | Fitting, 90 ORFS/ORB | |
| 8 | 2170712 | 1 | Fitting, Tee ORFS/FSORFS/ORFS | |
| 9 | 2171306 | 2 | Fitting, 45 ORFS/ORB | |
| 10 | 2171308 | 1 | Fitting, 45 ORFS/ORB | |
| 11 | 2171310 | 1 | Fitting, 45 ORFS/ORB | |
| 12 | 2171210 | 1 | Fitting, 90 ORFS/ORB | |
| 13 | 2171212 | 2 | Fitting, 90 ORFS/ORB | |
| 14 | 2180830 | 1 | Fitting, Straight ORFS/ORB | |
| 15 | 2720516 | 1 | Hose | |
| 16 | 2753545 | 2 | Hose | |
| 17 | 2753717 | 2 | Hose | |
| 18 | 2753716 | 3 | Hose | |
| 19 | 2753897 | 2 | Hose | |
| 20 | 2753978 | 1 | Hose | |
| 21 | 2754123 | 1 | Hose | |
| 22 | 2754124 | 1 | Hose | |
| 23 | 2753985 | 1 | Hose | |
| 24 | 2753986 | 1 | Hose | |
| 25 | 2753987 | 1 | Hose | |
| 26 | 2753994 | 1 | Hose | |
| 27 | 2753993 | 1 | Hose | |
| 28 | 2753998 | 3 | Hose | |
| 29 | 2754002 | 1 | Hose | |
| 30 | 2754003 | 1 | Hose | |
| 31 | 2754010 | 1 | Hose | |
| 32 | 2754011 | 1 | Hose | |
| 33 | 2753999 | 1 | Hose | |
| 34 | 2111012 | 1 | Fitting, Straight ORFS/ORB | |
| 35 | 4641372 | 1 | Valve, Double Check | |
| 35 | 7027284 | 1 | Cartridge | |
| 35 | 7011346 | 1 | Seal Kit - 7027284 Cartridge | |
| 35 | 7027285 | 1 | Cartridge | |
| 35 | 7011311 | 1 | Seal Kit - 7027285 Cartridge | |
| 36 | 2221123 | 1 | Fitting, Straight S FSORFS/ORB | |
| 37 | 2130606 | 1 | Fitting, 90 ORFS/ORB | |
| 38 | 2180830 | 1 | Fitting, Straight ORFS/ORB | |
| 40 | 2110612 | 1 | Fitting, Straight ORFS/ORB | |
| 41 | 2130612 | 1 | Fitting, 90 ORFS/ORB | |
| 42 | 2717059 | 1 | Hose | |
| 43 | 2754288 | 1 | Hose | |
| 44 | 2170708 | 1 | Fitting, Swivel Nut Run Tee ORFS/FSORFS/ORFS | |
| 45 | 1001097820 | 1 | Fitting, Adapter ORFS/FSORFS | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 46 | 2170704 | 1 | Fitting, Swivel Nut Run Tee ORFS/FSORFS/ORFS | |

## FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (WITH REXROTH PUMPS)




ART_2792772_1OF2

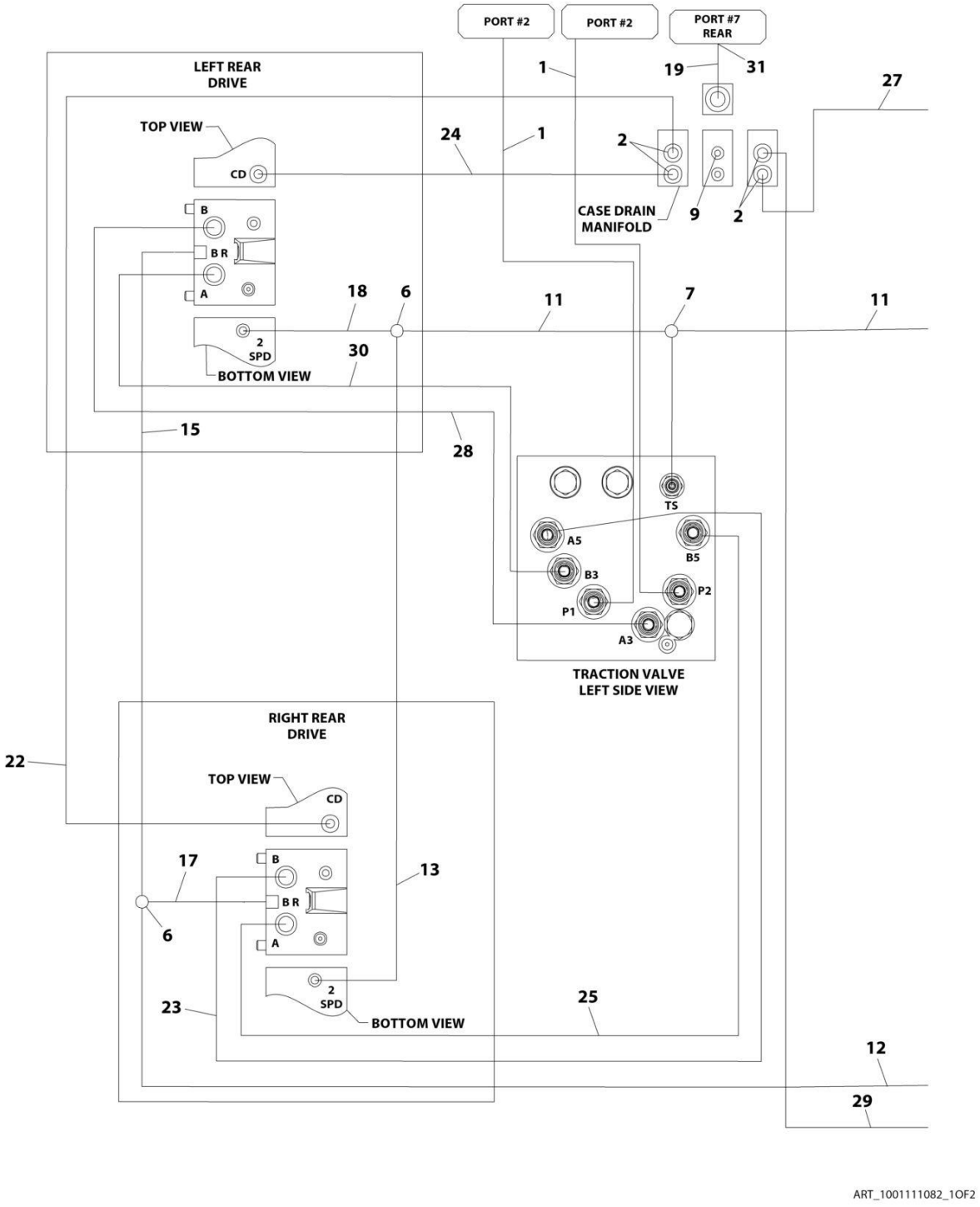



ART_2792772_2OF2

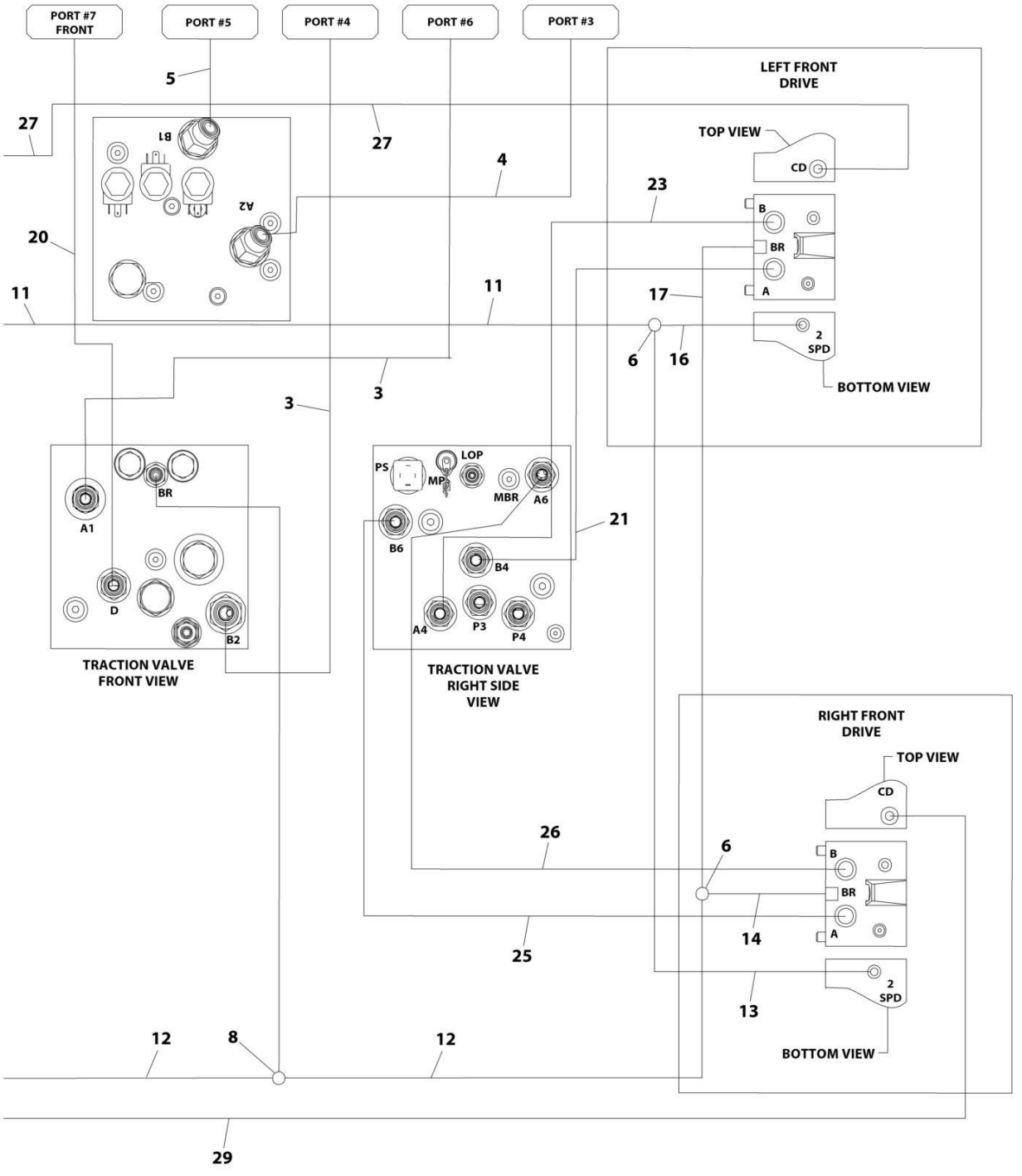
## FIGURE 7-3. HYDRAULIC DIAGRAM - DRIVE (WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1283457 | Ref | HYDRAULIC DIAGRAM - DRIVE | L |
| | 2792772 | Ref | Hydraulic Diagram - Drive Circuit | F |
| 1 | 2753685 | 2 | Hose | |
| 2 | 2110808 | 4 | Fitting, Straight ORFS/ORB | |
| 3 | 2753703 | 2 | Hose | |
| 4 | 2753764 | 1 | Hose | |
| 5 | 2753768 | 1 | Hose | |
| 6 | 2170504 | 4 | Fitting, Tee ORFS | |
| 7 | 2170704 | 1 | Fitting, Tee ORFS/ORB/ORFS | |
| 8 | 2170804 | 1 | Fitting, Tee ORFS/ORB/ORFS | |
| 9 | 2220235 | 1 | Plug | |
| 11 | 2753541 | 2 | Hose | |
| 12 | 2753545 | 2 | Hose | |
| 13 | 2753677 | 2 | Hose | |
| 14 | 2753714 | 1 | Hose | |
| 15 | 2753713 | 1 | Hose | |
| 16 | 2753716 | 1 | Hose | |
| 17 | 2753715 | 2 | Hose | |
| 18 | 2753552 | 1 | Hose | |
| 19 | 2753752 | 1 | Hose | |
| 20 | 2753582 | 1 | Hose | |
| 21 | 2753756 | 1 | Hose | |
| 22 | 2753747 | 1 | Hose | |
| 23 | 2753757 | 2 | Hose | |
| 24 | 2753748 | 1 | Hose | |
| 25 | 2753759 | 2 | Hose | |
| 26 | 2753760 | 1 | Hose | |
| 27 | 2753749 | 1 | Hose | |
| 28 | 2753761 | 1 | Hose | |
| 29 | 2753750 | 1 | Hose | |
| 30 | 2753762 | 1 | Hose | |
| 31 | 2110812 | 1 | Fitting, Straight ORFS/ORB | |

## FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (WITH SAUER PUMPS)



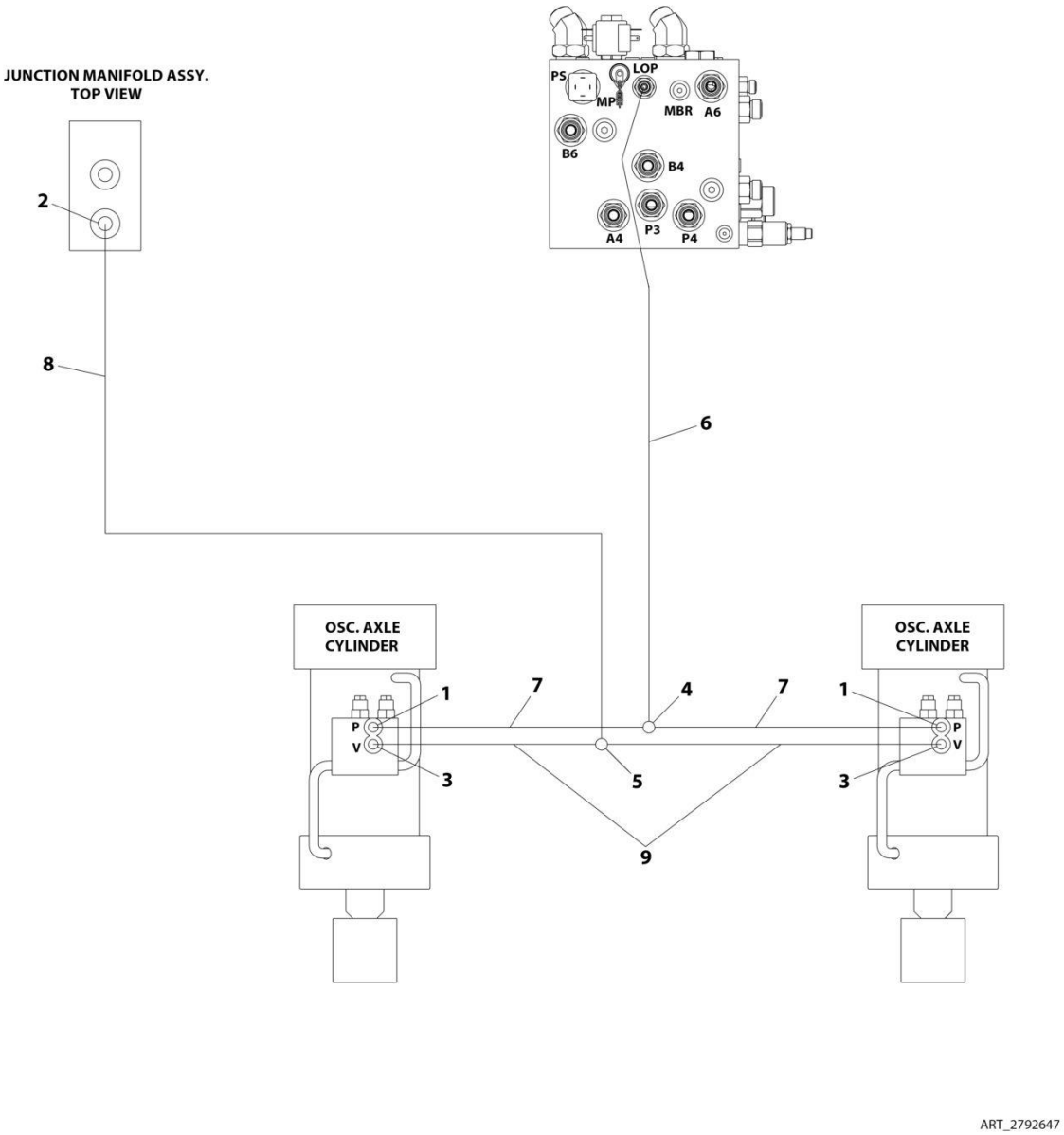

ART_1001111082_1OF2


PORT #7 FRONT
PORT #5
PORT #4
PORT #6
PORT #3
LEFT FRONT DRIVE
TOP VIEW
CD
B
BR
A
2 SPD
BOTTOM VIEW
B1
A2
TRACTION VALVE FRONT VIEW
A1
BR
D
B2
TRACTION VALVE RIGHT SIDE VIEW
PS
MP
LOP
MBR
A6
B6
B4
A4
P3
P4
RIGHT FRONT DRIVE
TOP VIEW
CD
B
BR
A
2 SPD
BOTTOM VIEW
5
27
4
20
11
23
17
6
16
3
21
26
14
25
13
12
8
29
ART_1001111082_2OF2

## FIGURE 7-4. HYDRAULIC DIAGRAM - DRIVE (WITH SAUER PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110252 | Ref | HYDRAULIC DIAGRAM - DRIVE (WITH SAUER PUMPS) | L |
| | 1001111082 | Ref | Hydraulic Diagram - Drive Circuit | C |
| 1 | 2753685 | 2 | Hose | |
| 2 | 2110808 | 4 | Fitting, Straight ORFS/ORB | |
| 3 | 2753703 | 2 | Hose | |
| 4 | 2753764 | 1 | Hose | |
| 5 | 2753768 | 1 | Hose | |
| 6 | 2170504 | 4 | Fitting, Tee ORFS | |
| 7 | 2170704 | 1 | Fitting, Tee ORFS/ORB/ORFS | |
| 8 | 2170804 | 1 | Fitting, Tee ORFS/ORB/ORFS | |
| 9 | 2220235 | 1 | Plug | |
| 11 | 2753541 | 2 | Hose | |
| 12 | 2753545 | 2 | Hose | |
| 13 | 2753677 | 2 | Hose | |
| 14 | 2753714 | 1 | Hose | |
| 15 | 2753713 | 1 | Hose | |
| 16 | 2753716 | 1 | Hose | |
| 17 | 2753715 | 2 | Hose | |
| 18 | 2753552 | 1 | Hose | |
| 19 | 2753752 | 1 | Hose | |
| 20 | 2753582 | 1 | Hose | |
| 21 | 2753756 | 1 | Hose | |
| 22 | 2753747 | 1 | Hose | |
| 23 | 2753757 | 2 | Hose | |
| 24 | 2753748 | 1 | Hose | |
| 25 | 2753759 | 2 | Hose | |
| 26 | 2753760 | 1 | Hose | |
| 27 | 2753749 | 1 | Hose | |
| 28 | 2753761 | 1 | Hose | |
| 29 | 2753750 | 1 | Hose | |
| 30 | 2753762 | 1 | Hose | |
| 31 | 2110812 | 1 | Fitting, Straight ORFS/ORB | |

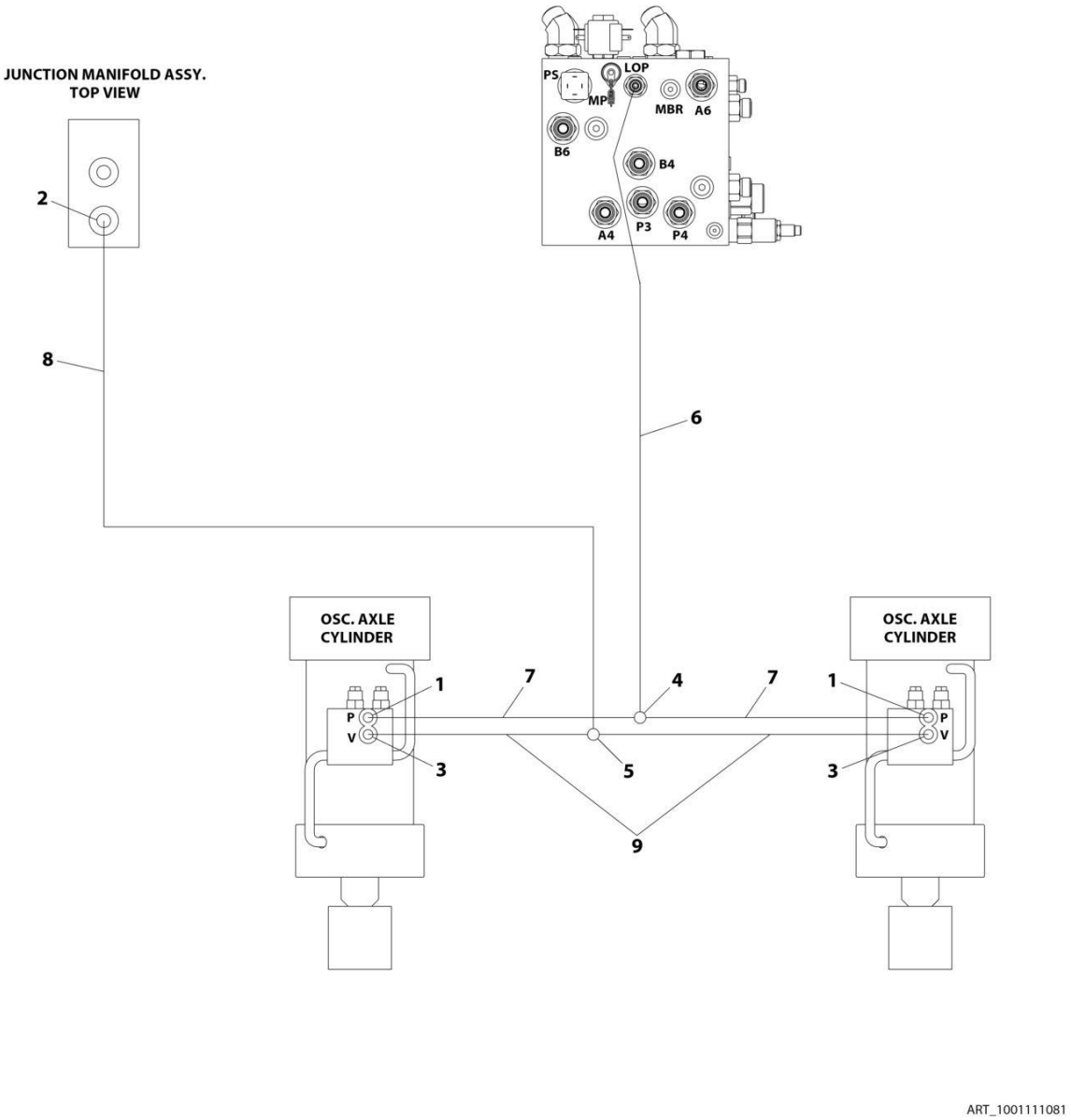
## FIGURE 7-5. HYDRAULIC DIAGRAM - OSCILLATING AXLE (WITH REXROTH PUMPS)



## FIGURE 7-5. HYDRAULIC DIAGRAM - OSCILLATING AXLE (WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1283457 | Ref | HYDRAULIC DIAGRAM - OSCILLATING AXLE | L |
| | 2792647 | Ref | Hydraulic Diagram - Oscillating Axle | 4 |
| 1 | 2110406 | 2 | Fitting, Straight ORFS/ORB | |
| 2 | 2110604 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110606 | 2 | Fitting, Straight ORFS/ORB | |
| 4 | 2170504 | 1 | Fitting, Tee ORFS | |
| 5 | 2170506 | 1 | Fitting, Tee ORFS | |
| 6 | 2753726 | 1 | Hose | |
| 7 | 2753719 | 2 | Hose | |
| 8 | 2753727 | 1 | Hose | |
| 9 | 2753729 | 2 | Hose | |

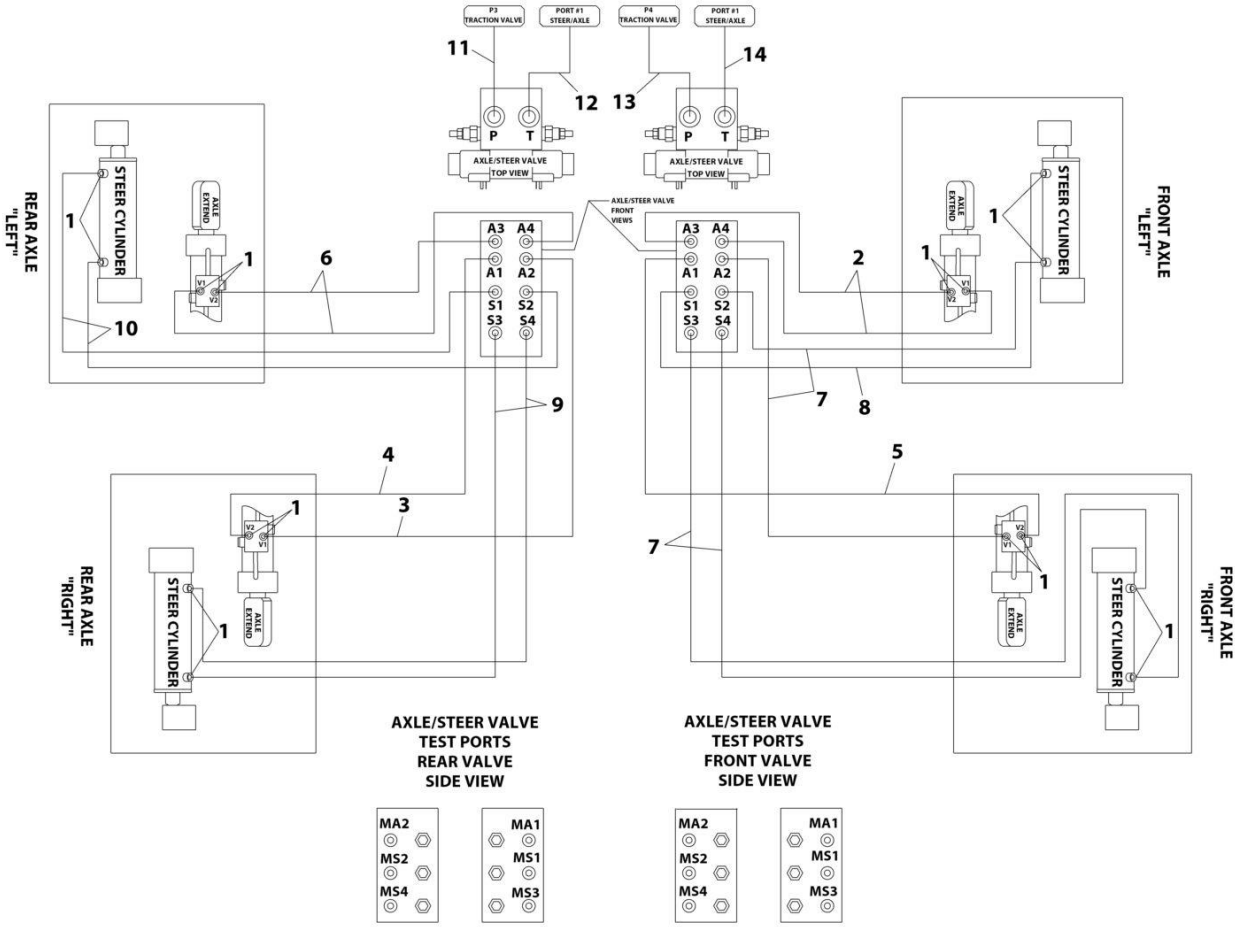
## FIGURE 7-6. HYDRAULIC DIAGRAM - OSCILLATING AXLE (WITH SAUER PUMPS)



## FIGURE 7-6. HYDRAULIC DIAGRAM - OSCILLATING AXLE (WITH SAUER PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110252 | Ref | HYDRAULIC DIAGRAM - OSCILLATING AXLE (WITH SAUER PUMPS) | L |
| | 1001111081 | Ref | Hydraulic Diagram - Oscillating Axle | 1 |
| 1 | 2110406 | 2 | Fitting, Straight ORFS/ORB | |
| 2 | 2110604 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110606 | 2 | Fitting, Straight ORFS/ORB | |
| 4 | 2170504 | 1 | Fitting, Tee ORFS | |
| 5 | 2170506 | 1 | Fitting, Tee ORFS | |
| 6 | 2753726 | 1 | Hose | |
| 7 | 2753719 | 2 | Hose | |
| 8 | 2753727 | 1 | Hose | |
| 9 | 2753729 | 2 | Hose | |

## FIGURE 7-7. HYDRAULIC DIAGRAM - STEER (WITH REXROTH PUMPS)

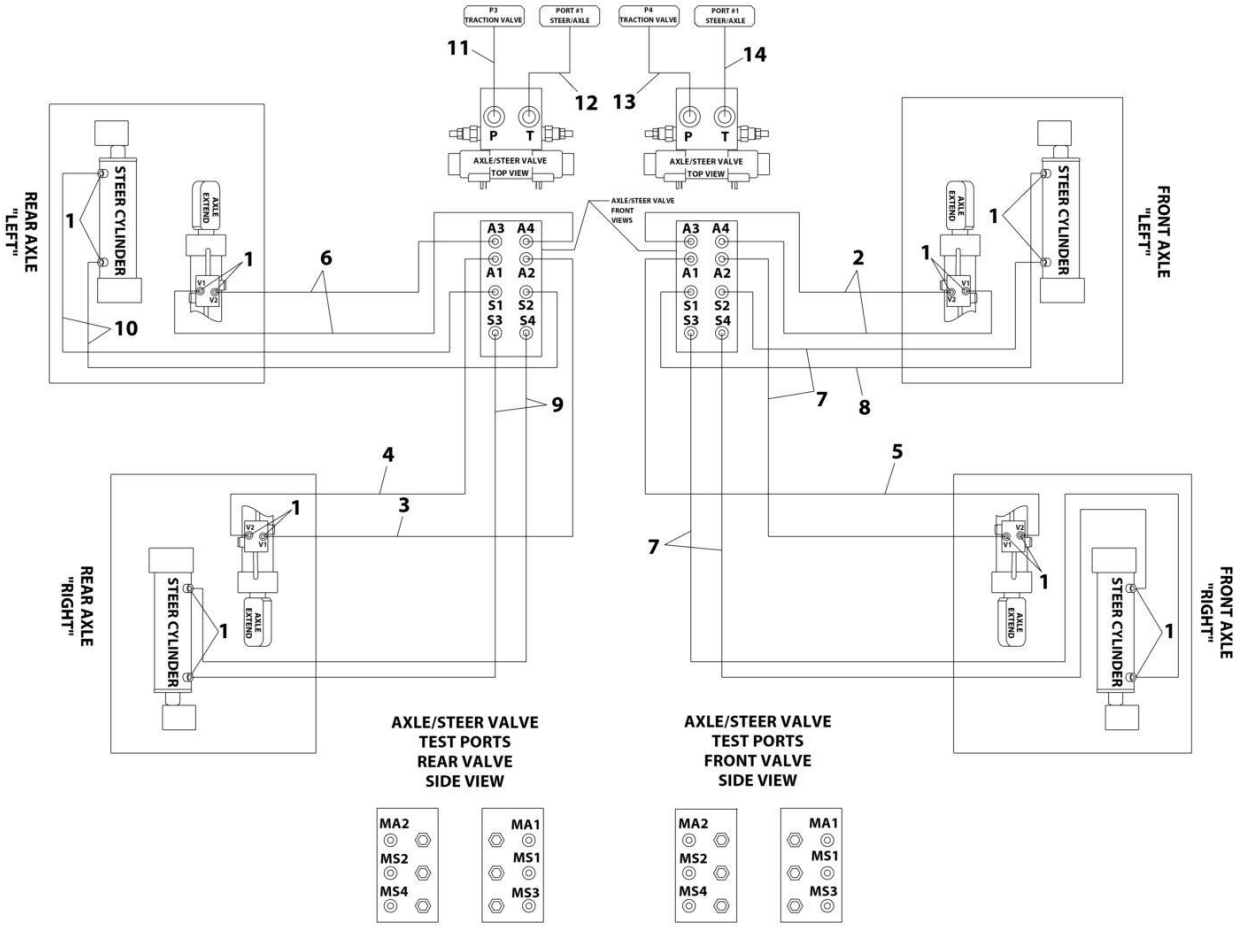



ART_2792773

## FIGURE 7-7. HYDRAULIC DIAGRAM - STEER (WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1283457 | Ref | HYDRAULIC DIAGRAM - STEER | L |
| | 2792773 | Ref | Hydraulic Diagram - Steer | 2 |
| 1 | 2130606 | 16 | Fitting, 90 ORFS/ORB | |
| 2 | 2753732 | 2 | Hose | |
| 3 | 2753733 | 1 | Hose | |
| 4 | 2753728 | 1 | Hose | |
| 5 | 2753734 | 1 | Hose | |
| 6 | 2753735 | 2 | Hose | |
| 7 | 2753736 | 4 | Hose | |
| 8 | 2753737 | 1 | Hose | |
| 9 | 2753738 | 2 | Hose | |
| 10 | 2753739 | 2 | Hose | |
| 11 | 2753753 | 1 | Hose | |
| 12 | 2753742 | 1 | Hose | |
| 13 | 2753754 | 1 | Hose | |
| 14 | 2753743 | 1 | Hose | |

## FIGURE 7-8. HYDRAULIC DIAGRAM - STEER (WITH SAUER PUMPS)

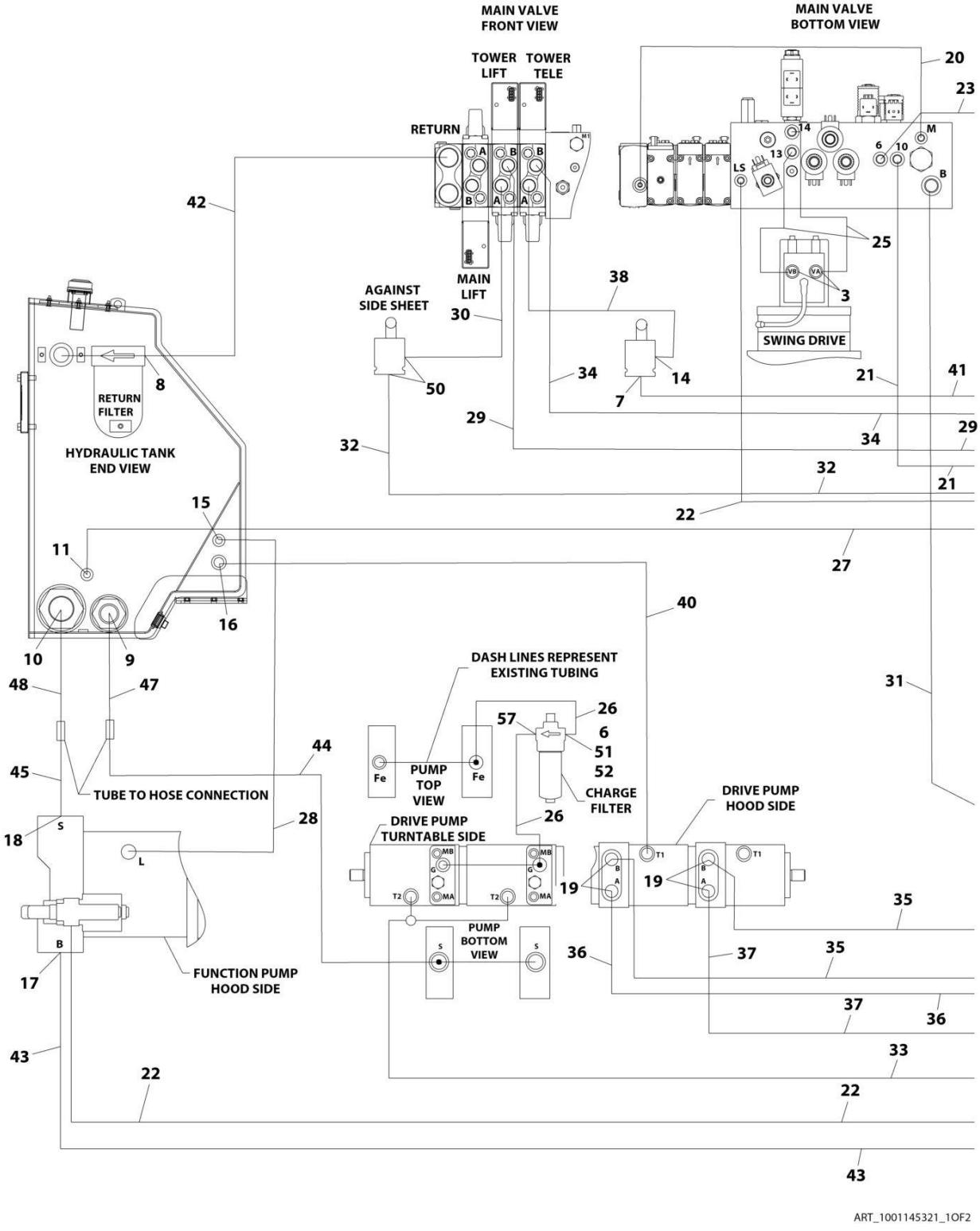


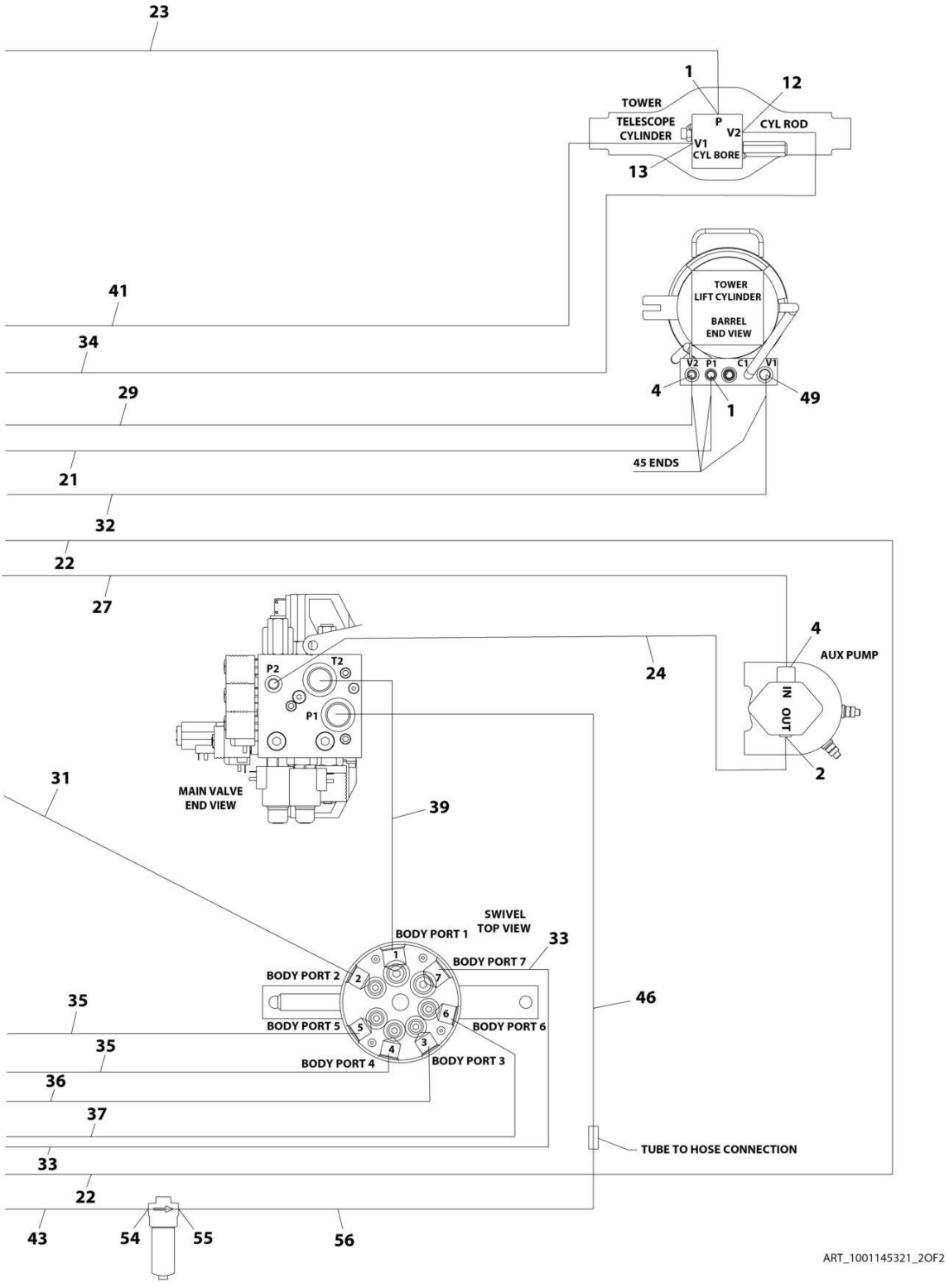

ART_1001111083

## FIGURE 7-8. HYDRAULIC DIAGRAM - STEER (WITH SAUER PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110252 | Ref | HYDRAULIC DIAGRAM - STEER (WITH SAUER PUMPS) | L |
| | 1001111083 | Ref | Hydraulic Diagram - Steer | 1 |
| 1 | 2130606 | 16 | Fitting, 90 ORFS/ORB | |
| 2 | 2753732 | 2 | Hose | |
| 3 | 2753733 | 1 | Hose | |
| 4 | 2753728 | 1 | Hose | |
| 5 | 2753734 | 1 | Hose | |
| 6 | 2753735 | 2 | Hose | |
| 7 | 2753736 | 4 | Hose | |
| 8 | 2753737 | 1 | Hose | |
| 9 | 2753738 | 2 | Hose | |
| 10 | 2753739 | 2 | Hose | |
| 11 | 2753753 | 1 | Hose | |
| 12 | 2753742 | 1 | Hose | |
| 13 | 2753754 | 1 | Hose | |
| 14 | 2753743 | 1 | Hose | |

## FIGURE 7-9. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINES WITH REXROTH PUMPS)



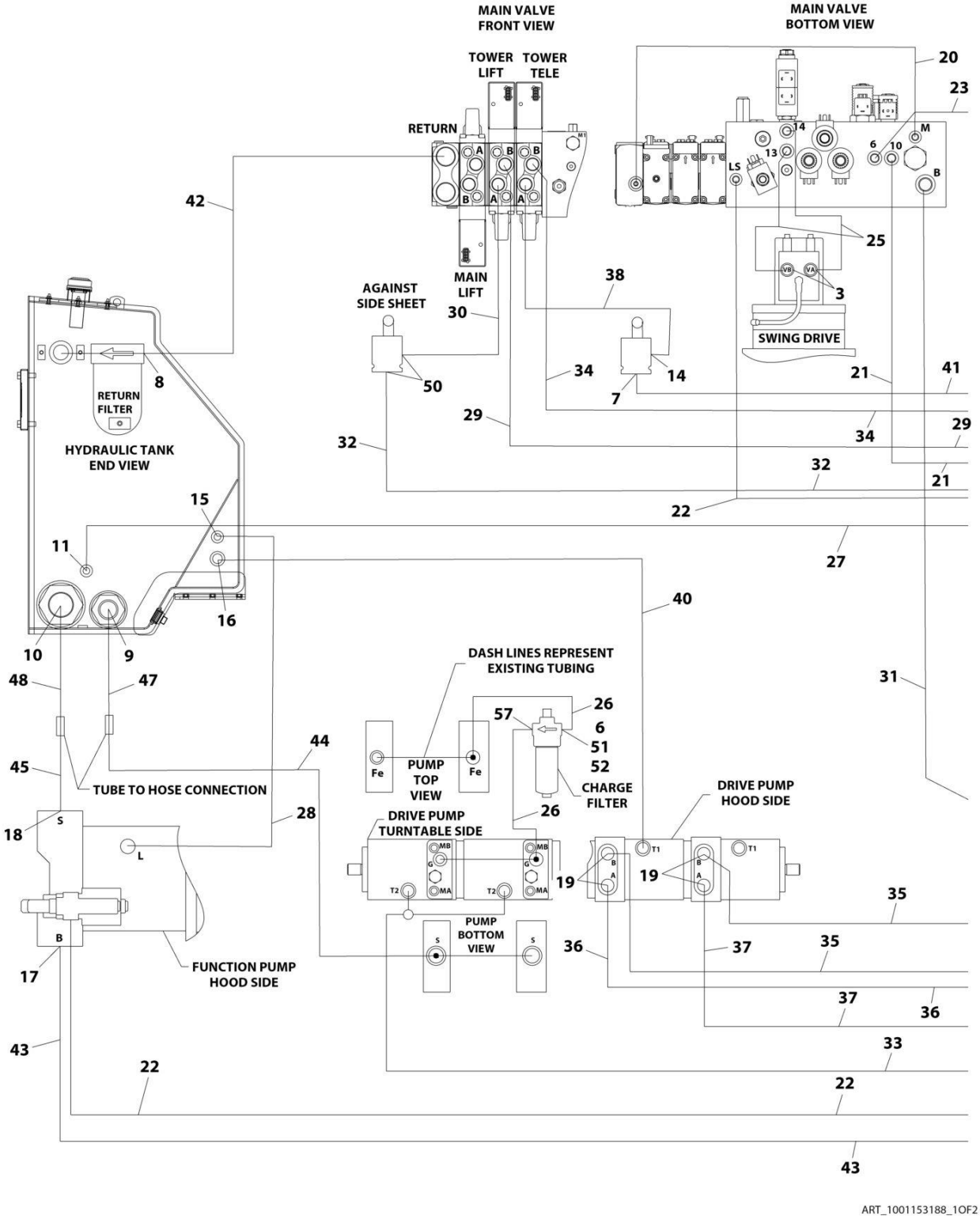

23
1
12
TOWER
TELESCOPE CYLINDER
P
V2
CYL ROD
V1
CYL BORE
13
41
34
29
21
32
22
27
TOWER LIFT CYLINDER
BARREL END VIEW
V2 P1 C1 V1
4
1
49
45 ENDS
24
4
AUX PUMP
IN
OUT
2
P2
T2
P1
MAIN VALVE END VIEW
31
39
SWIVEL TOP VIEW
BODY PORT 1
BODY PORT 2
BODY PORT 3
BODY PORT 4
BODY PORT 5
BODY PORT 6
BODY PORT 7
33
46
35
35
36
37
33
22
TUBE TO HOSE CONNECTION
43
54
55
56
ART_1001145321_2OF2

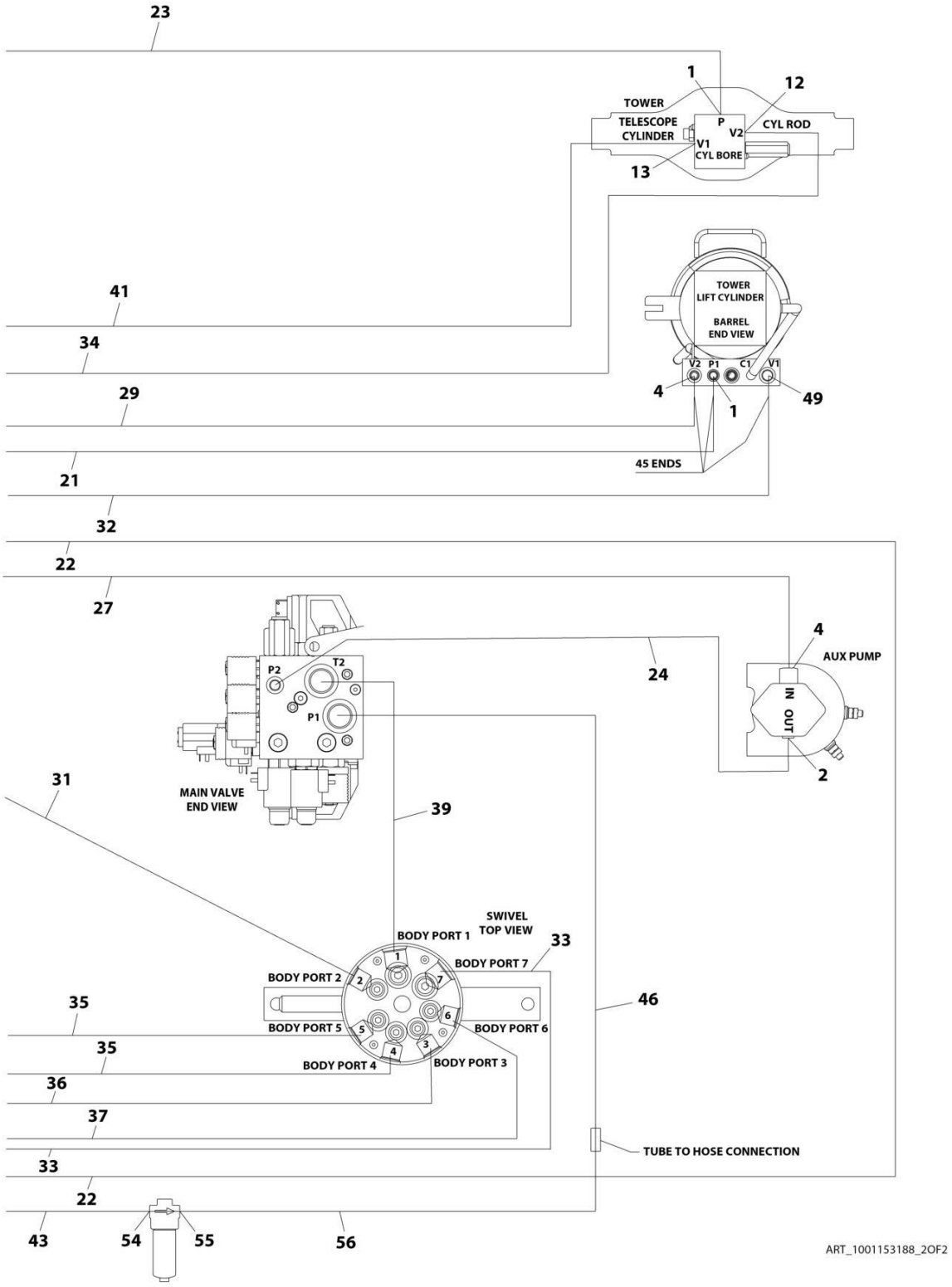
## FIGURE 7-9. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINES WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1283457 | Ref | HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TD2011 ENGINES WITH REXROTH PUMPS) | L |
| | 1001145321 | Ref | Hydraulic Diagram - Turntable | B |
| 1 | 2110404 | 1 | Fitting, Straight ORFS/ORB | |
| 2 | 2110608 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110610 | 2 | Fitting, Straight ORFS/ORB | |
| 4 | 2110808 | 2 | Fitting, Straight ORFS/ORB | |
| 6 | 2220811 | 1 | Fitting, Reducer ORB/ORB | |
| 7 | 2111212 | 1 | Fitting, Straight ORFS/ORB | |
| 8 | 2111620 | 1 | Fitting, Straight ORFS/ORB | |
| 9 | 2112020 | 1 | Fitting, Straight ORFS/ORB | |
| 10 | 2113232 | 1 | Fitting, Straight ORFS/ORB | |
| 11 | 2130808 | 1 | Fitting, 90 ORFS/ORB | |
| 12 | 2131008 | 1 | Fitting, 90 ORFS/ORB | |
| 13 | 2131210 | 1 | Fitting, 90 ORFS/ORB | |
| 14 | 2131212 | 1 | Fitting, 90 ORFS/ORB | |
| 15 | 2150808 | 1 | Fitting, 45 ORFS/ORB | |
| 16 | 2151212 | 1 | Fitting, 45 ORFS/ORB | |
| 17 | 2220478 | 1 | Flange Kit | |
| 18 | 2220737 | 1 | Flange Kit | |
| 19 | 2221117 | 4 | Flange Kit | |
| 20 | 2753546 | 1 | Hose | |
| 21 | 2753975 | 1 | Hose | |
| 22 | 2753976 | 1 | Hose | |
| 23 | 2753977 | 1 | Hose | |
| 24 | 2753673 | 1 | Hose | |
| 25 | 2753979 | 2 | Hose | |
| 26 | 2753746 | 2 | Hose | |
| 27 | 2753590 | 1 | Hose | |
| 28 | 2753741 | 1 | Hose | |
| 29 | 2753984 | 1 | Hose | |
| 30 | 2753988 | 1 | Hose | |
| 31 | 2753989 | 1 | Hose | |
| 32 | 2753990 | 1 | Hose | |
| 33 | 2753991 | 1 | Hose | |
| 34 | 2753992 | 1 | Hose | |
| 35 | 2753995 | 2 | Hose | |
| 36 | 2753996 | 1 | Hose | |
| 37 | 2753997 | 1 | Hose | |
| 38 | 2753843 | 1 | Hose | |
| 39 | 2753999 | 1 | Hose | |
| 40 | 2754000 | 1 | Hose | |
| 41 | 2754001 | 1 | Hose | |
| 42 | 2754004 | 1 | Hose | |
| 43 | 2754870 | 1 | Hose | |
| 44 | 2754006 | 1 | Hose | |
| 45 | 2754007 | 1 | Hose | |
| 46 | 1001173889 | 1 | Tube | |
| 47 | 4568849 | 1 | Tube | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 48 | 4568815 | 1 | Tube | |
| 49 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 50 | 2111012 | AR | Fitting, Straight ORFS/ORB | |
| 51 | 2170308 | 1 | Fitting, Tee ORFS/ORFS/ORB | |
| 52 | 2170908 | 1 | Fitting, Cap ORFS | |
| 54 | 2131620 | 1 | Fitting, 90 ORFS/ORB | |
| 55 | 2132020 | 1 | Fitting, 90 ORFS/ORB | |
| 56 | 1001173890 | 1 | Hose | |
| 57 | 2130812 | 1 | Fitting, 90 ORFS/ORB | |

## FIGURE 7-10. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS)



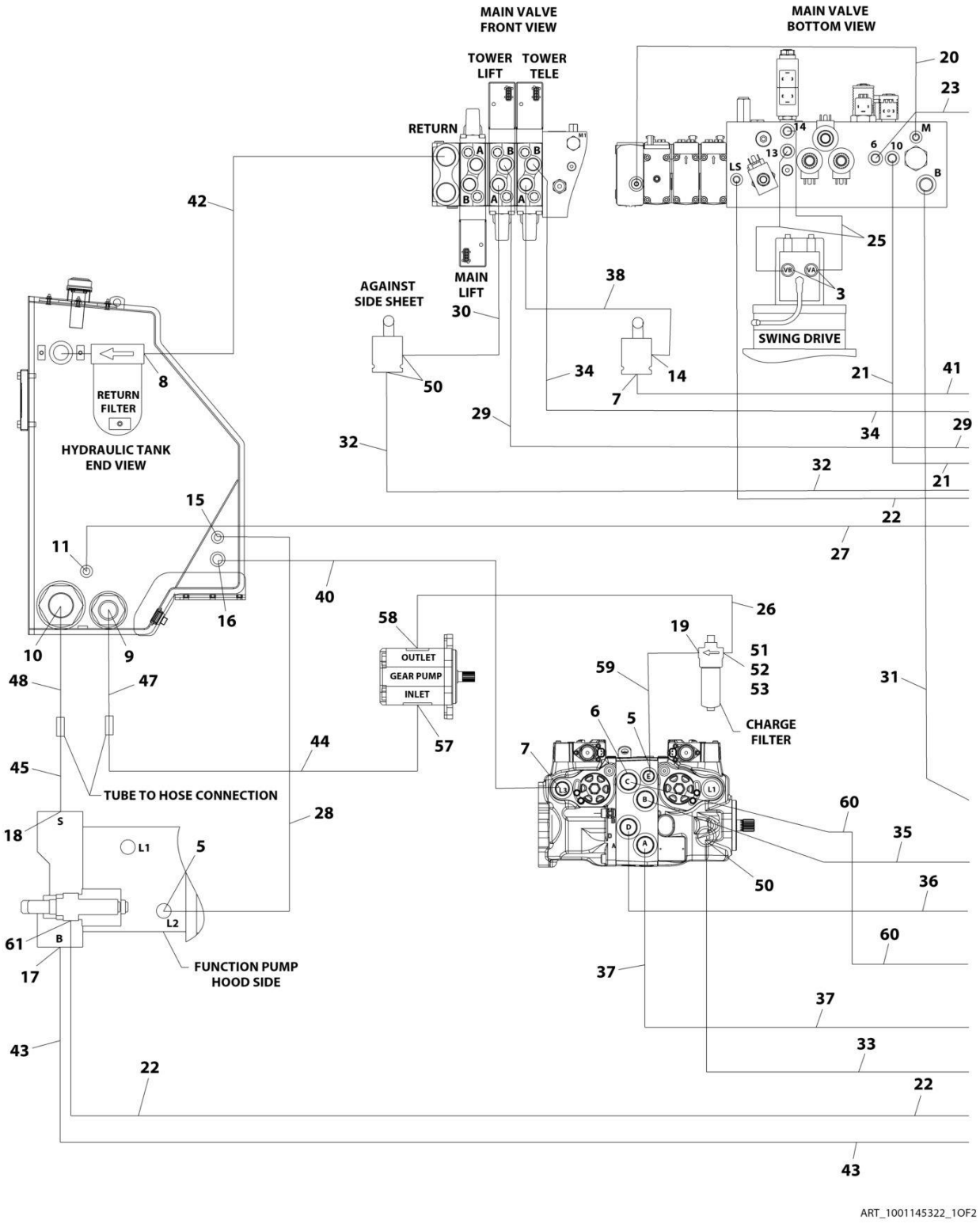

23
1
12
TOWER
TELESCOPE CYLINDER
P
V2
CYL ROD
V1
CYL BORE
13
41
34
29
21
32
22
27
TOWER LIFT CYLINDER
BARREL END VIEW
V2
P1
C1
V1
4
1
49
45 ENDS
24
4
AUX PUMP
IN
OUT
2
P2
T2
P1
MAIN VALVE END VIEW
31
39
SWIVEL TOP VIEW
BODY PORT 1
BODY PORT 2
BODY PORT 3
BODY PORT 4
BODY PORT 5
BODY PORT 6
BODY PORT 7
1
2
3
4
5
6
7
33
46
35
35
36
37
33
22
TUBE TO HOSE CONNECTION
43
54
55
56
ART_1001153188_2OF2

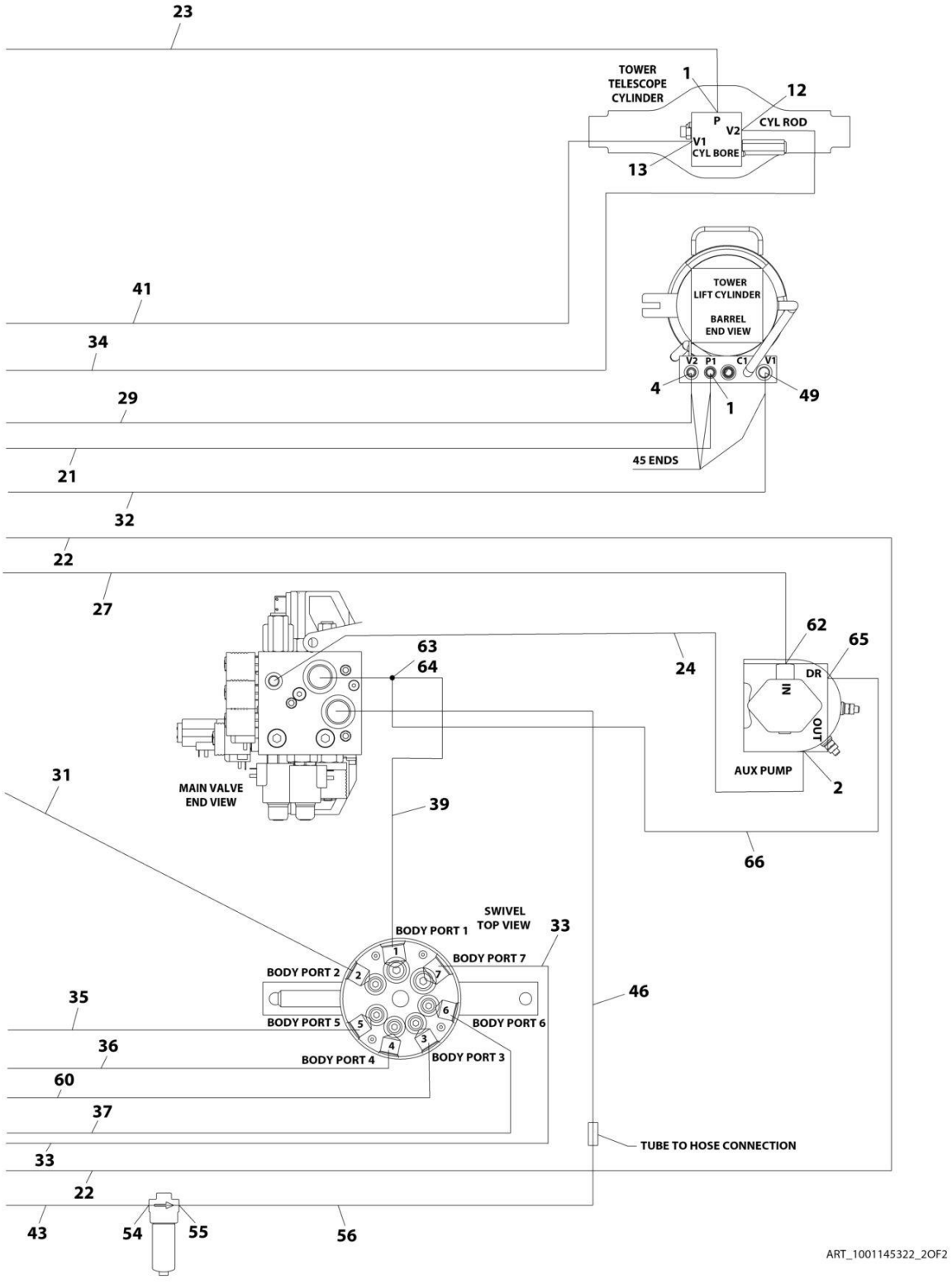
## FIGURE 7-10. HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152971 | Ref | HYDRAULIC DIAGRAM - TURNTABLE (DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES WITH REXROTH PUMPS) | C |
| | 1001153188 | Ref | Hydraulic Diagram - Turntable | B |
| 1 | 2110404 | 1 | Fitting, Straight ORFS/ORB | |
| 2 | 2110608 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110610 | 2 | Fitting, Straight ORFS/ORB | |
| 4 | 2110808 | 2 | Fitting, Straight ORFS/ORB | |
| 6 | 2220811 | 1 | Fitting, Reducer ORB/ORB | |
| 7 | 2111212 | 1 | Fitting, Straight ORFS/ORB | |
| 8 | 2111620 | 1 | Fitting, Straight ORFS/ORB | |
| 9 | 2112020 | 1 | Fitting, Straight ORFS/ORB | |
| 10 | 2113232 | 1 | Fitting, Straight ORFS/ORB | |
| 11 | 2130808 | 1 | Fitting, 90 ORFS/ORB | |
| 12 | 2131008 | 1 | Fitting, 90 ORFS/ORB | |
| 13 | 2131210 | 1 | Fitting, 90 ORFS/ORB | |
| 14 | 2131212 | 1 | Fitting, 90 ORFS/ORB | |
| 15 | 2150808 | 1 | Fitting, 45 ORFS/ORB | |
| 16 | 2151212 | 1 | Fitting, 45 ORFS/ORB | |
| 17 | 2220478 | 1 | Flange Kit | |
| 18 | 2220737 | 1 | Flange Kit | |
| 19 | 2221117 | 4 | Flange Kit | |
| 20 | 2753546 | 1 | Hose | |
| 21 | 2753975 | 1 | Hose | |
| 22 | 2753976 | 1 | Hose | |
| 23 | 2753977 | 1 | Hose | |
| 24 | 2753673 | 1 | Hose | |
| 25 | 2753979 | 2 | Hose | |
| 26 | 2753746 | 2 | Hose | |
| 27 | 2753590 | 1 | Hose | |
| 28 | 2753741 | 1 | Hose | |
| 29 | 2753984 | 1 | Hose | |
| 30 | 2753988 | 1 | Hose | |
| 31 | 2753989 | 1 | Hose | |
| 32 | 2753990 | 1 | Hose | |
| 33 | 2753991 | 1 | Hose | |
| 34 | 2753992 | 1 | Hose | |
| 35 | 2753995 | 2 | Hose | |
| 36 | 2753996 | 1 | Hose | |
| 37 | 2753997 | 1 | Hose | |
| 38 | 2753843 | 1 | Hose | |
| 39 | 2753999 | 1 | Hose | |
| 40 | 2754000 | 1 | Hose | |
| 41 | 2754001 | 1 | Hose | |
| 42 | 2754004 | 1 | Hose | |
| 43 | 2754870 | 1 | Hose | |
| 44 | 1001153186 | 1 | Hose | |
| 45 | 2754007 | 1 | Hose | |
| 46 | 1001173889 | 1 | Tube | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 47 | 4568849 | 1 | Tube | |
| 48 | 4568815 | 1 | Tube | |
| 49 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 50 | 2111012 | AR | Fitting, Straight ORFS/ORB | |
| 51 | 2170308 | 1 | Fitting, Tee ORFS/ORFS/ORB | |
| 52 | 2170908 | 1 | Fitting, Cap ORFS | |
| 54 | 2131620 | 1 | Fitting, 90 ORFS/ORB | |
| 55 | 2132020 | 1 | Fitting, 90 ORFS/ORB | |
| 56 | 1001173890 | 1 | Hose | |
| 57 | 2130812 | 1 | Fitting, 90 ORFS/ORB | |

## FIGURE 7-11. HYDRAULIC DIAGRAM - TURNTABLE (WITH SAUER PUMPS)



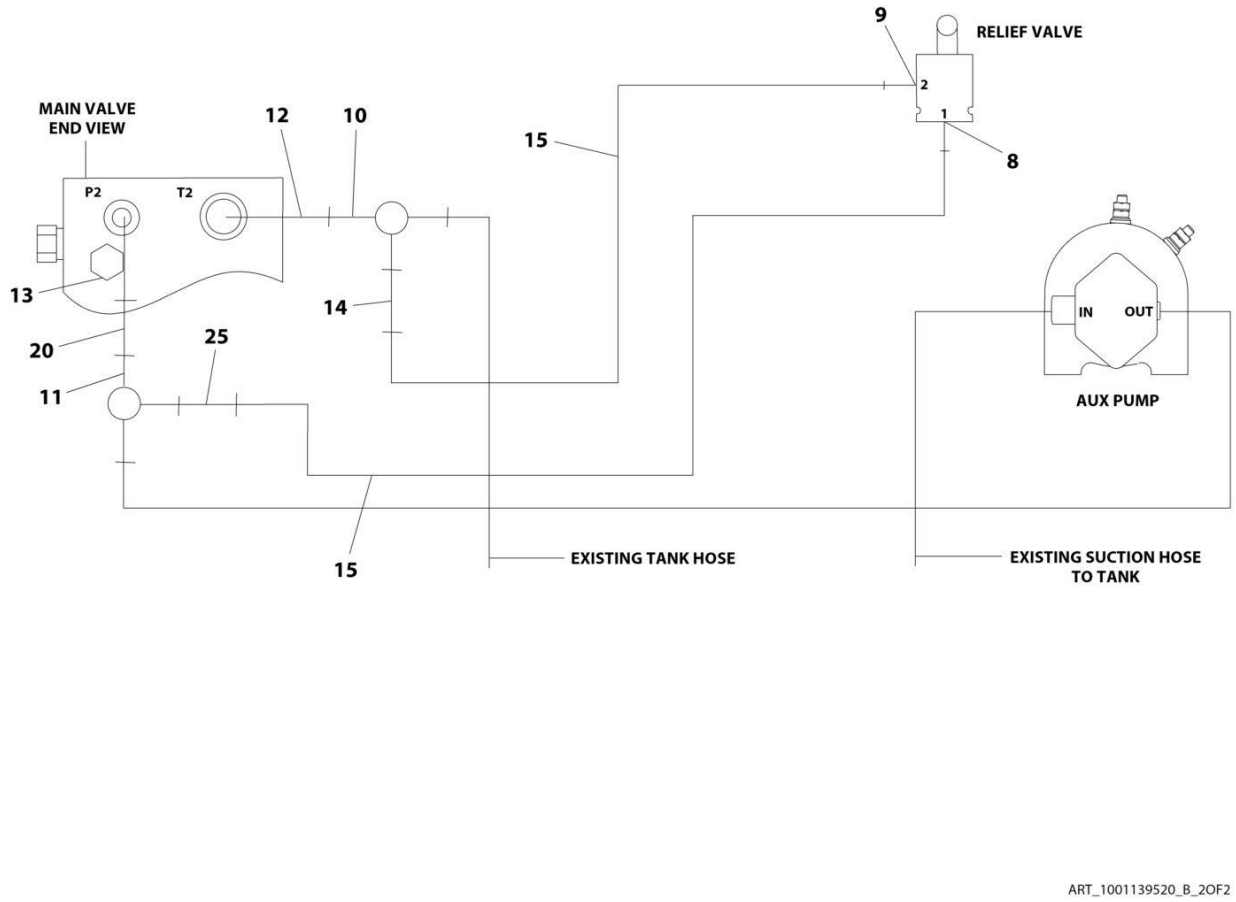

23
TOWER TELESCOPE CYLINDER
1
12
P
V2
CYL ROD
V1
CYL BORE
13
41
34
29
21
32
22
27
TOWER LIFT CYLINDER
BARREL END VIEW
V2 P1 C1 V1
4
1
49
45 ENDS
62
65
63
64
24
DR
IN
OUT
AUX PUMP
2
MAIN VALVE END VIEW
31
39
66
SWIVEL TOP VIEW
33
BODY PORT 1
BODY PORT 7
BODY PORT 2
BODY PORT 5
BODY PORT 6
BODY PORT 4
BODY PORT 3
46
35
36
60
37
TUBE TO HOSE CONNECTION
33
22
43
54
55
56
ART_1001145322_2OF2

## FIGURE 7-11. HYDRAULIC DIAGRAM - TURNTABLE (WITH SAUER PUMPS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001110252 | Ref | HYDRAULIC DIAGRAM - TURNTABLE (WITH SAUER PUMPS) | L |
| | 1001145322 | Ref | Hydraulic Diagram - Turntable | E |
| 1 | 2110404 | 1 | Fitting, Straight ORFS/ORB | |
| 2 | 2110608 | 1 | Fitting, Straight ORFS/ORB | |
| 3 | 2110610 | 2 | Fitting, Straight ORFS/ORB | |
| 4 | 2110808 | 1 | Fitting, Straight ORFS/ORB | |
| 5 | 2110810 | 2 | Fitting, Straight ORFS/ORB | |
| 6 | 2111016 | 4 | Fitting, Straight ORFS/ORB | |
| 7 | 2111212 | 2 | Fitting, Straight ORFS/ORB | |
| 8 | 2111620 | 1 | Fitting, Straight ORFS/ORB | |
| 9 | 2112020 | 1 | Fitting, Straight ORFS/ORB | |
| 10 | 2113232 | 1 | Fitting, Straight ORFS/ORB | |
| 11 | 2130808 | 1 | Fitting, 90 ORFS/ORB | |
| 12 | 2131008 | 1 | Fitting, 90 ORFS/ORB | |
| 13 | 2131210 | 1 | Fitting, 90 ORFS/ORB | |
| 14 | 2131212 | 1 | Fitting, 90 ORFS/ORB | |
| 15 | 2150808 | 1 | Fitting, 45 ORFS/ORB | |
| 16 | 2151212 | 1 | Fitting, 45 ORFS/ORB | |
| 17 | 2220478 | 1 | Flange Kit | |
| 18 | 1001110604 | 1 | Flange Kit | |
| 19 | 2130812 | 1 | Fitting, 90 ORFS/ORB | |
| 20 | 2753546 | 1 | Hose | |
| 21 | 2753975 | 1 | Hose | |
| 22 | 2753976 | 1 | Hose | |
| 23 | 2753977 | 1 | Hose | |
| 24 | 2753673 | 1 | Hose | |
| 25 | 2753979 | 2 | Hose | |
| 26 | 2753746 | 1 | Hose | |
| 27 | 2753590 | 1 | Hose | |
| 28 | 1001109439 | 1 | Hose | |
| 29 | 2753984 | 1 | Hose | |
| 30 | 2753988 | 1 | Hose | |
| 31 | 2753989 | 1 | Hose | |
| 32 | 2753990 | 1 | Hose | |
| 33 | 2753991 | 1 | Hose | |
| 34 | 2753992 | 1 | Hose | |
| 35 | 1001109468 | 1 | Hose | |
| 36 | 1001109470 | 1 | Hose | |
| 37 | 1001109471 | 1 | Hose | |
| 38 | 2753843 | 1 | Hose | |
| 39 | 2753999 | 1 | Hose | |
| 40 | 1001176982 | 1 | Hose | |
| 41 | 2754001 | 1 | Hose | |
| 42 | 2754004 | 1 | Hose | |
| 43 | 2754870 | 1 | Hose | |
| 44 | 1001109438 | 1 | Hose | |
| 45 | 1001109465 | 1 | Hose | |
| 46 | 1001173889 | 1 | Tube | |
| 47 | 4568849 | 1 | Tube | |
| 48 | 4568815 | 1 | Tube | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 49 | 2111010 | 1 | Fitting, Straight ORFS/ORB | |
| 50 | 2111012 | 3 | Fitting, Straight ORFS/ORB | |
| 51 | 2170308 | 1 | Fitting, Tee ORFS/ORFS/ORB | |
| 52 | 2170908 | 1 | Fitting, Cap ORFS | |
| 53 | 2220811 | 1 | Fitting, Reducer ORB/ORB | |
| 54 | 2131620 | 1 | Fitting, 90 ORFS/ORB | |
| 55 | 2132020 | 1 | Fitting, 90 ORFS/ORB | |
| 56 | 1001173890 | 1 | Hose | |
| 57 | 2111616 | 1 | Fitting, Straight ORFS/ORB | |
| 58 | 2110812 | 1 | Fitting, Straight ORFS/ORB | |
| 59 | 1001104577 | 1 | Hose | |
| 60 | 1001119296 | 1 | Hose | |
| 61 | 2130404 | 1 | Fitting, 90 ORFS/ORB | |
| 62 | 2110808 | 1 | Fitting, Straight ORFS/ORB | |
| 63 | 2170712 | 1 | Fitting, Tee ORFS/FSORFS/ORFS | |
| 64 | 2221221 | 1 | Fitting, Straight ORFS/FSORFS | |
| 65 | 2110406 | 1 | Fitting, Straight ORFS/ORB | |
| 66 | 1001103977 | 1 in/ 2.54cm | Hose | |

## FIGURE 7-12. HYDRAULIC DIAGRAM - AUXILIARY POWER MOTOR

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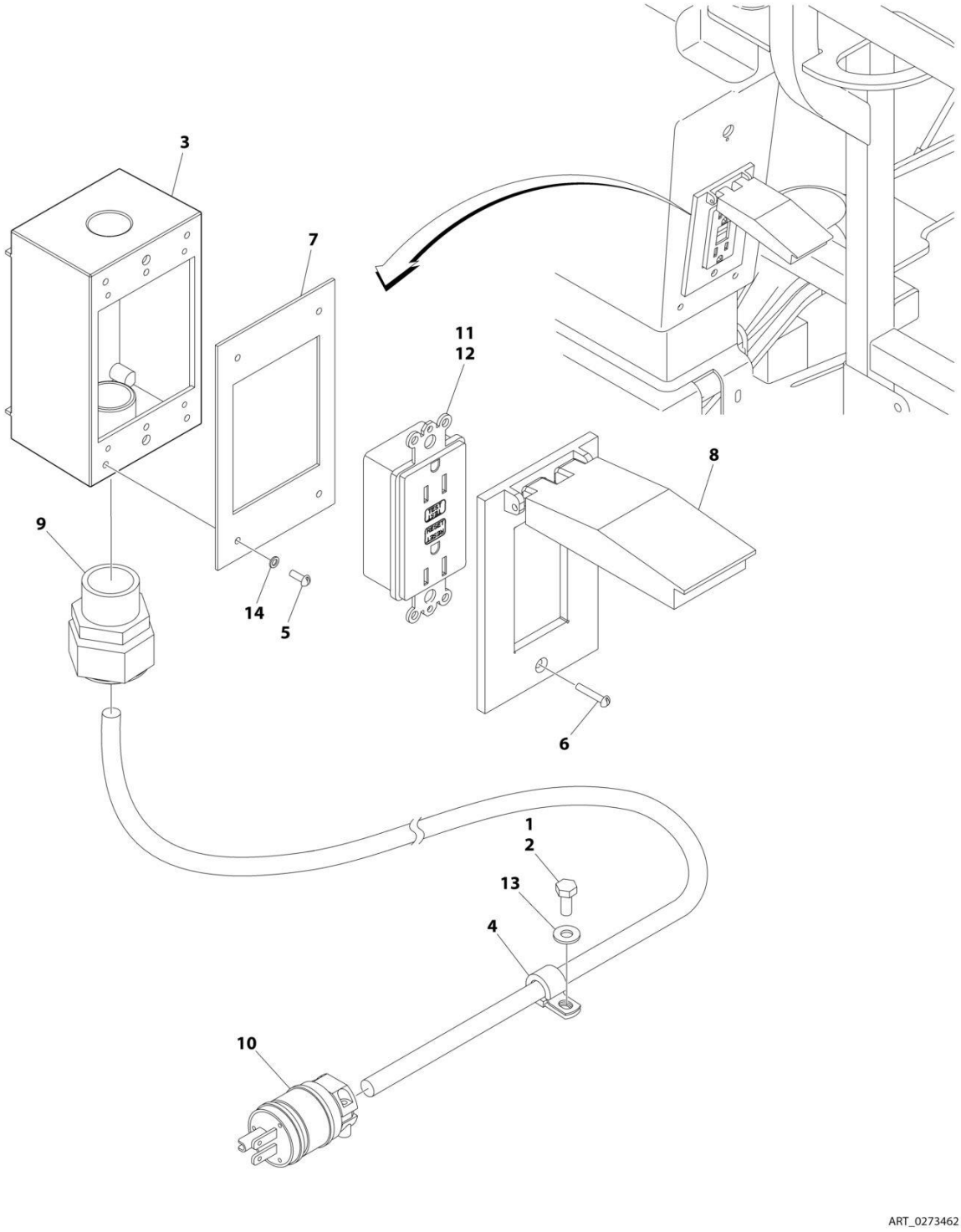
## FIGURE 7-12. HYDRAULIC DIAGRAM - AUXILIARY POWER MOTOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001139520 | Ref | HYDRAULIC DIAGRAM - AUXILIARY POWER MOTOR | B |
| 8 | 2110406 | 1 | Fitting, Straight ORFS/ORB | |
| 9 | 2130406 | 1 | Fitting, 90 ORFS/ORB | |
| 10 | 2170312 | 1 | Fitting, Tee ORFS | |
| 11 | 2170506 | 1 | Fitting, Tee ORFS/ORFS/ORFS | |
| 12 | 2220550 | 1 | Fitting, Straight SFORB/ORB | |
| 13 | 2221123 | 1 | Fitting, Straight S FSORFS/ORB | |
| 14 | 2221221 | 1 | Fitting, Straight ORFS/FSORFS | |
| 15 | 2753781 | 2 | Hose | |
| 20 | 4641316 | 1 | Valve, Check | |
| 25 | 1001092764 | 1 | Fitting, Tube End Reducer | |

# SECTION 8 - ELECTRICAL

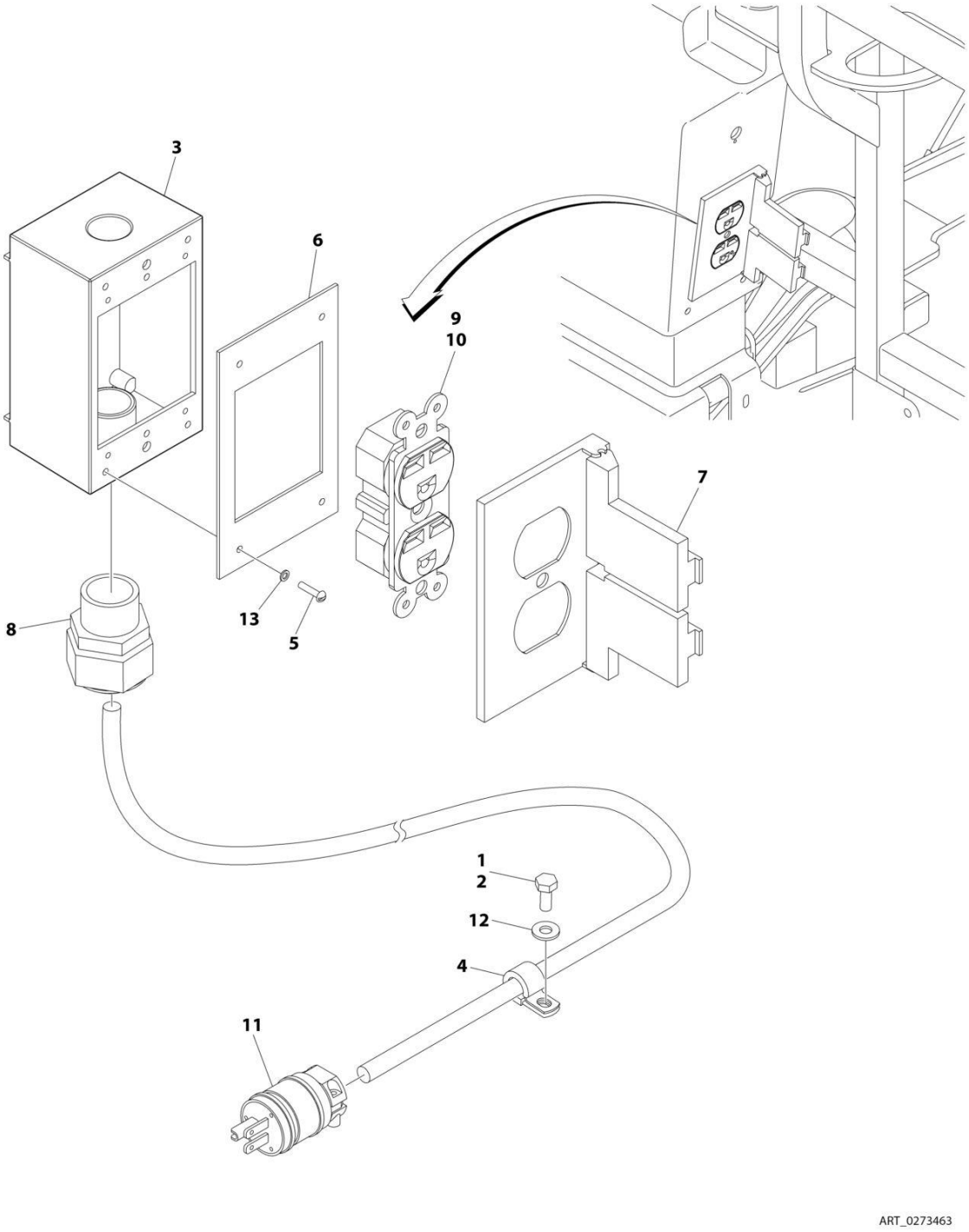
## FIGURE 8-1. AC BOX AT PLATFORM - 110V GFI RECEPTACLE (ANSI SPECS)



## FIGURE 8-1. AC BOX AT PLATFORM - 110V GFI RECEPTACLE (ANSI SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273462 | Ref | AC BOX AT PLATFORM - 110V GFI RECEPTACLE | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641405 | 1 | Bolt 1/4 x 5/8 | |
| 3 | 0860038 | 1 | Box, Switch | |
| 4 | 1320041 | 1 | Clamp | |
| 5 | 3910606 | 4 | Screw #6 x 3/8 | |
| 6 | 3910612 | 2 | Screw #6 x 3/4 | |
| 7 | 3960422 | 1 | Gasket, AC Receptacle | |
| 8 | 1001110873 | 1 | Shield, Receptacle Cover | |
| 9 | 4460051 | 1 | Connector, Strain Relief | |
| 10 | 4460205 | 1 | Plug, Male | |
| 11 | 4460315 | 1 | Terminal, Spade | |
| 12 | 4460346 | 1 | Terminal, Receptacle | |
| 13 | 4711400 | 1 | Washer 1/4 | |
| 14 | 4760600 | 4 | Washer #6 | |

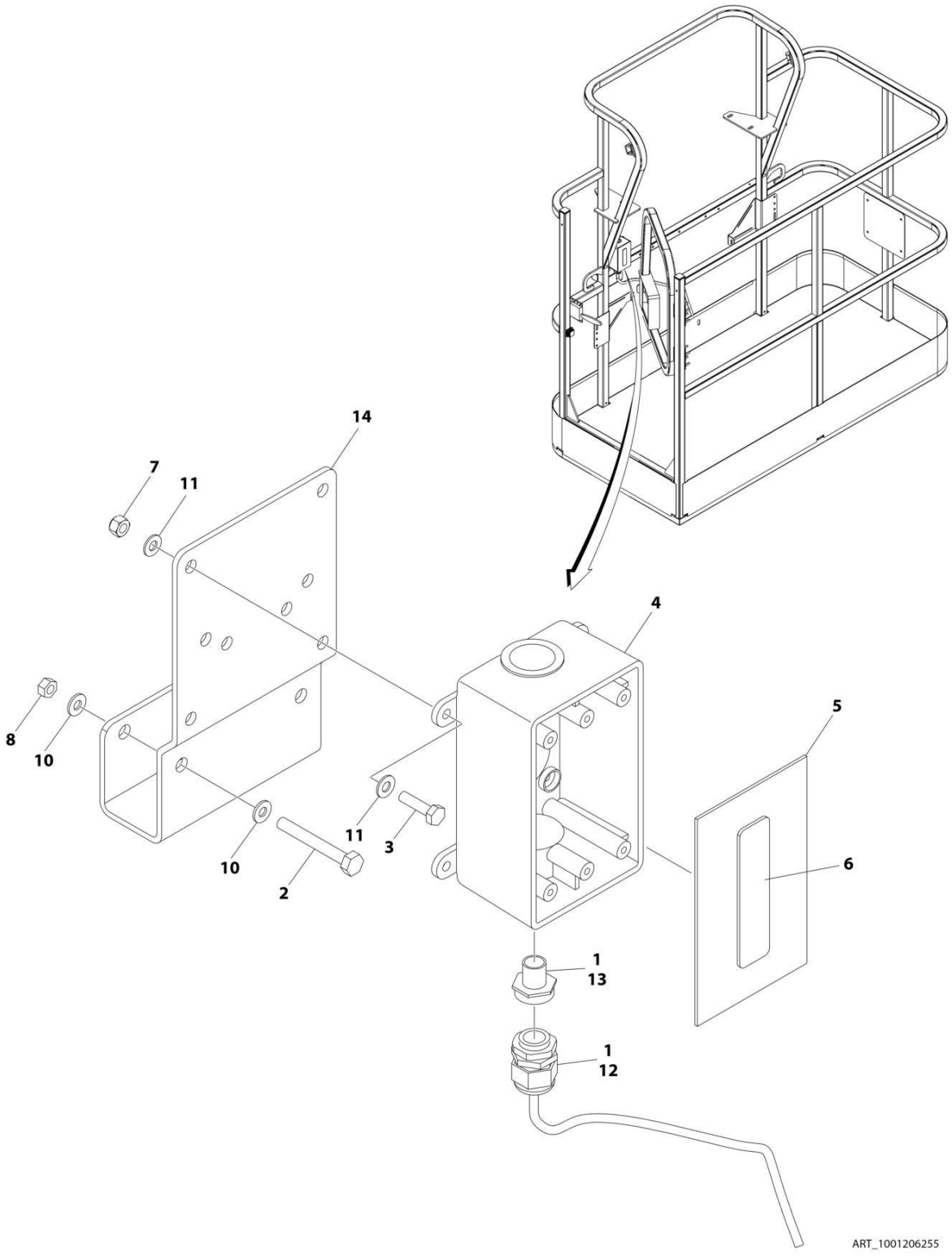
## FIGURE 8-2. AC BOX AT PLATFORM - 220V GFI RECEPTACLE (ANSI SPECS)



## FIGURE 8-2. AC BOX AT PLATFORM - 220V GFI RECEPTACLE (ANSI SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273463 | Ref | AC BOX AT PLATFORM - 220V GFI RECEPTACLE | A |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641405 | 1 | Bolt 1/4 x 5/8 | |
| 3 | 0860038 | 1 | Box, Switch | |
| 4 | 1320041 | 1 | Clamp | |
| 5 | 3910606 | 4 | Screw #6 x 3/8 | |
| 6 | 3960422 | 1 | Gasket, AC Receptacle | |
| 7 | 4060092 | 1 | Shield, Receptacle Cover | |
| 8 | 4460051 | 1 | Connector, Strain Relief | |
| 9 | 4460125 | 1 | Terminal, Receptacle | |
| 10 | 4460315 | 1 | Terminal, Spade | |
| 11 | 4460709 | 1 | Plug, Male | |
| 12 | 4711400 | 1 | Washer 1/4 | |
| 13 | 4760600 | 4 | Washer #6 | |

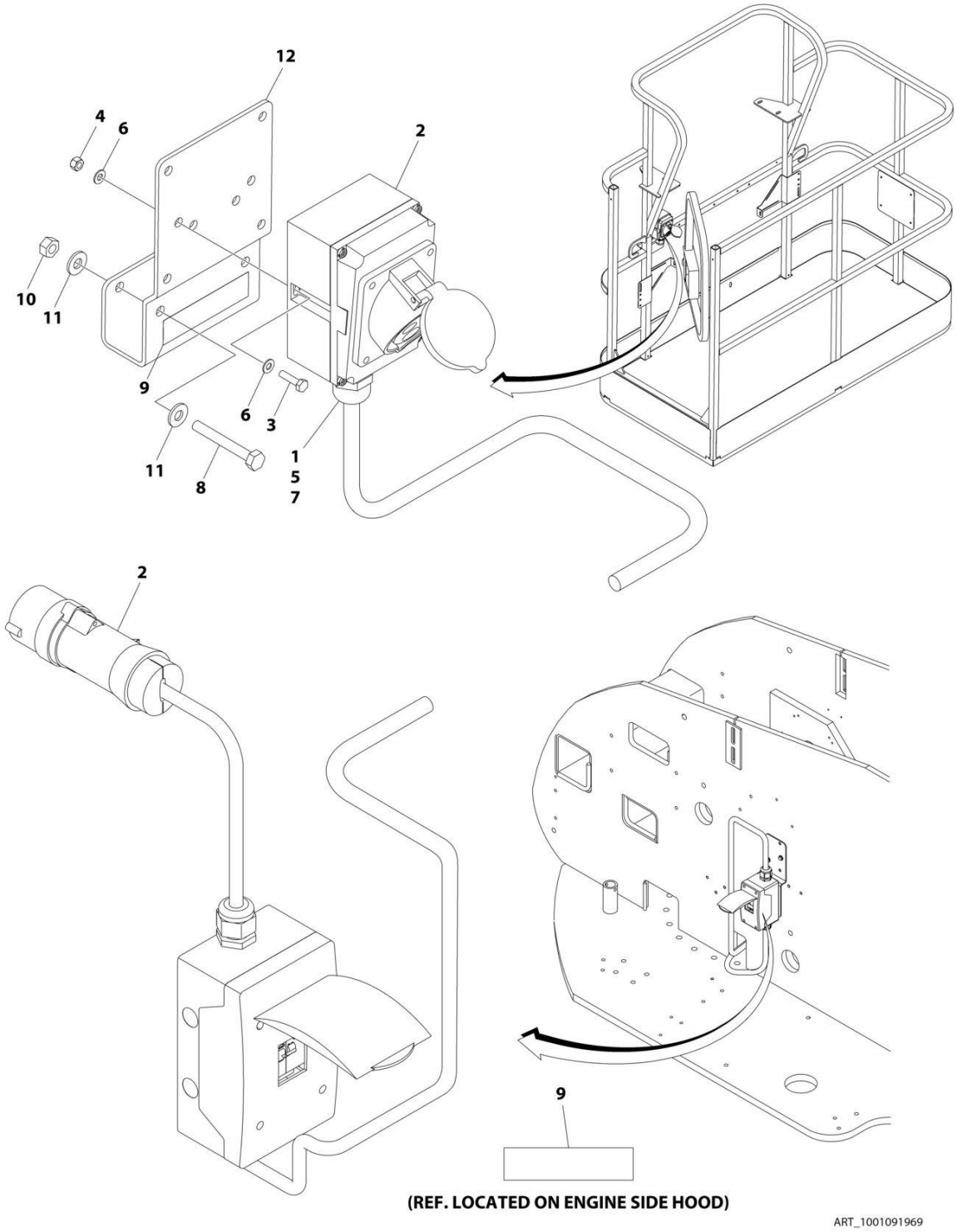
## FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT, AUSTRALIAN, JAPANESE, CE & UK CA SPECS)



## FIGURE 8-3. AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR (ANSI EXPORT, AUSTRALIAN, JAPANESE, CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206255 | Ref | AC BOX AT PLATFORM INSTALLATION - BOX WITH COVER (2X4 BOX) WITH 4000W GENERATOR | A |
| 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 | 1670603 | 1 | Cover | |
| 6 | 3251242 | 1 | Decal - 240V-50Hz | |
| 7 | 3290405 | 4 | Nut M4 | |
| 8 | 3311405 | 2 | Nut 1/4 | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 4811400 | 8 | Washer M4 | |
| 12 | 1001101191 | 1 | Connector, Strain Relief | |
| 13 | 1001101197 | 1 | Adapter | |
| 14 | 1001193018 | 1 | Bracket, AC Receptacle | |

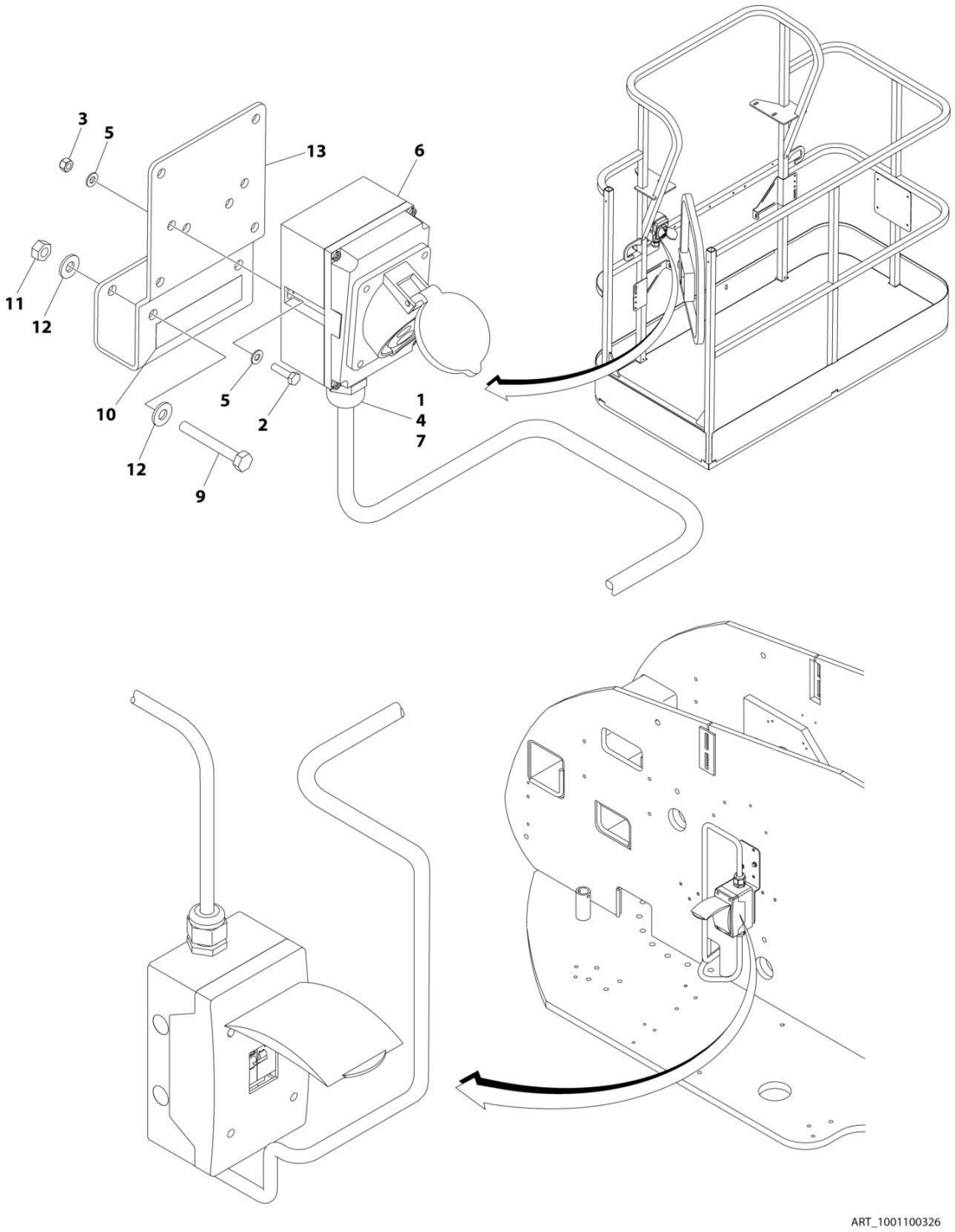
## FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-4. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091969 | Ref | AC BOX AT PLATFORM INSTALLATION - 110V IEC YELLOW | D |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0275216 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 3 | 0700408 | 2 | Bolt M4 x 16 | |
| 4 | 3290405 | 2 | Nut M4 | |
| 5 | 1001101196 | 1 | Adapter | |
| 6 | 4811400 | 4 | Washer M4 | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 9 | 1705325 | 2 | Decal - 110V | |
| 10 | 3311405 | 2 | Nut 1/4 | |
| 11 | 4711400 | 4 | Washer 1/4 | |
| 12 | 1001193018 | 1 | Bracket | |

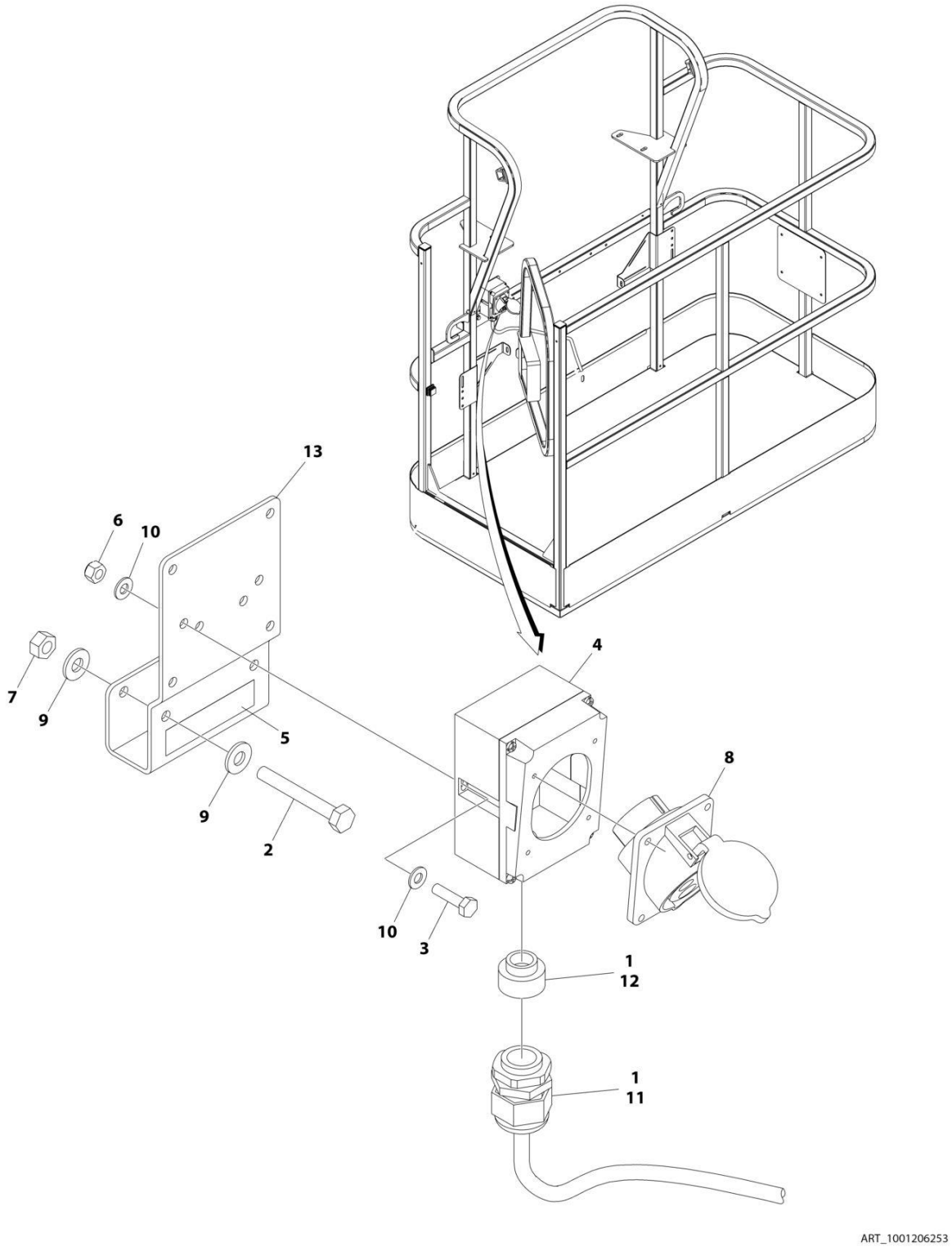
## FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-5. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100326 | Ref | AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW | D |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0700408 | 2 | Bolt M4 x 16 | |
| 3 | 3290405 | 2 | Nut M4 | |
| 4 | 1001101196 | 1 | Adapter | |
| 5 | 4811400 | 4 | Washer M4 | |
| 6 | 1001100341 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 1060908 | 10 ft /3.05m | Cable, Electrical 12/3 (Not Shown) | |
| 9 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 10 | 1705325 | 1 | Decal - 110V | |
| 11 | 3311405 | 2 | Nut 1/4 | |
| 12 | 4711400 | 4 | Washer 1/4 | |
| 13 | 1001193018 | 1 | Bracket | |

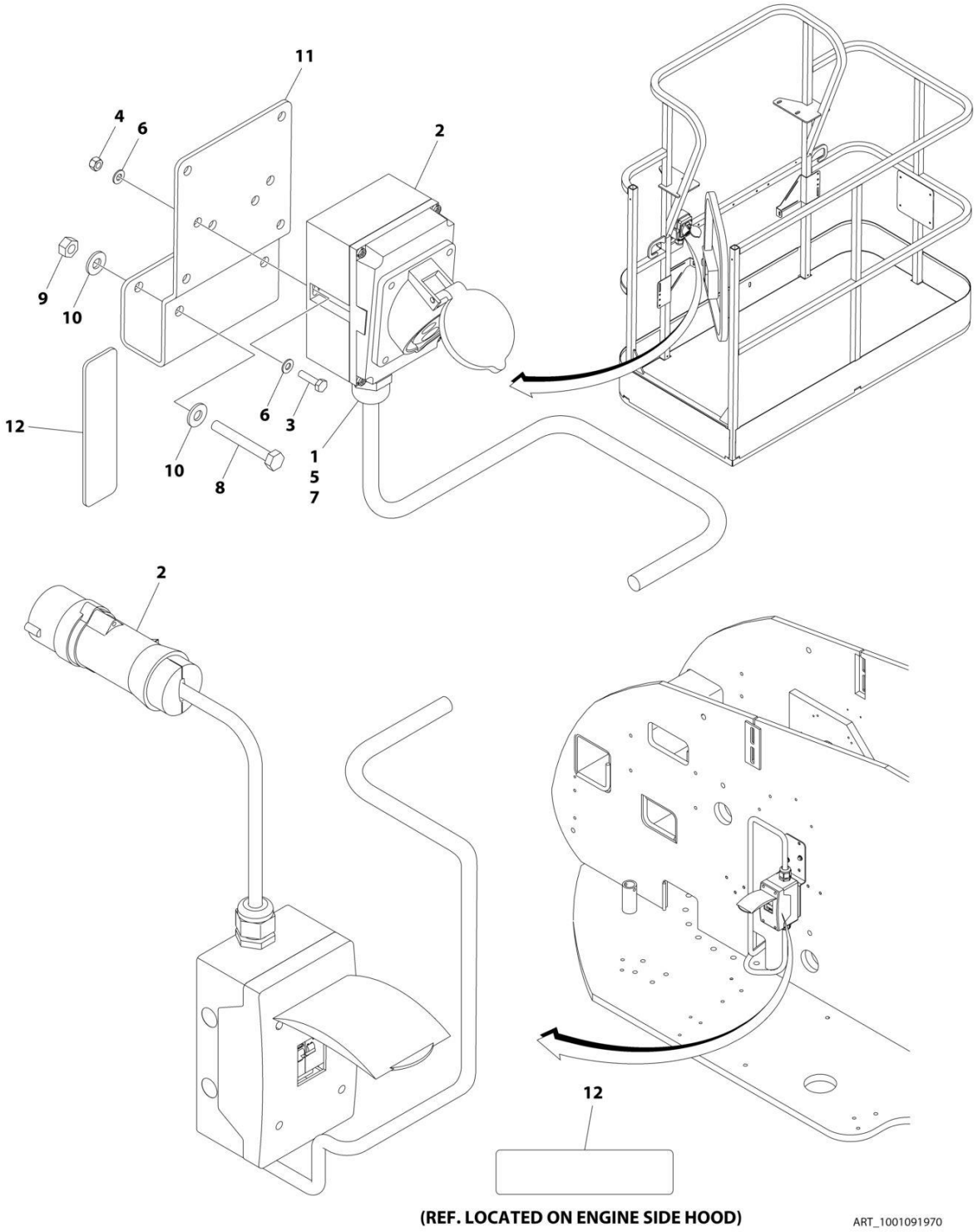
## FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-6. AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITH 4000W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206253 | Ref | AC BOX AT PLATFORM INSTALLATION - 110V IEC 60309 YELLOW WITHOUT 4000W GENERATOR | A |
| 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 | 4461198 | 1 | Receptacle | |
| 9 | 4711400 | 4 | Washer 1/4 | |
| 10 | 4811400 | 4 | Washer M4 | |
| 11 | 1001101191 | 1 | Connector, Strain Relief | |
| 12 | 1001101196 | 1 | Adapter | |
| 13 | 1001193018 | 1 | Bracket, AC Receptacle | |

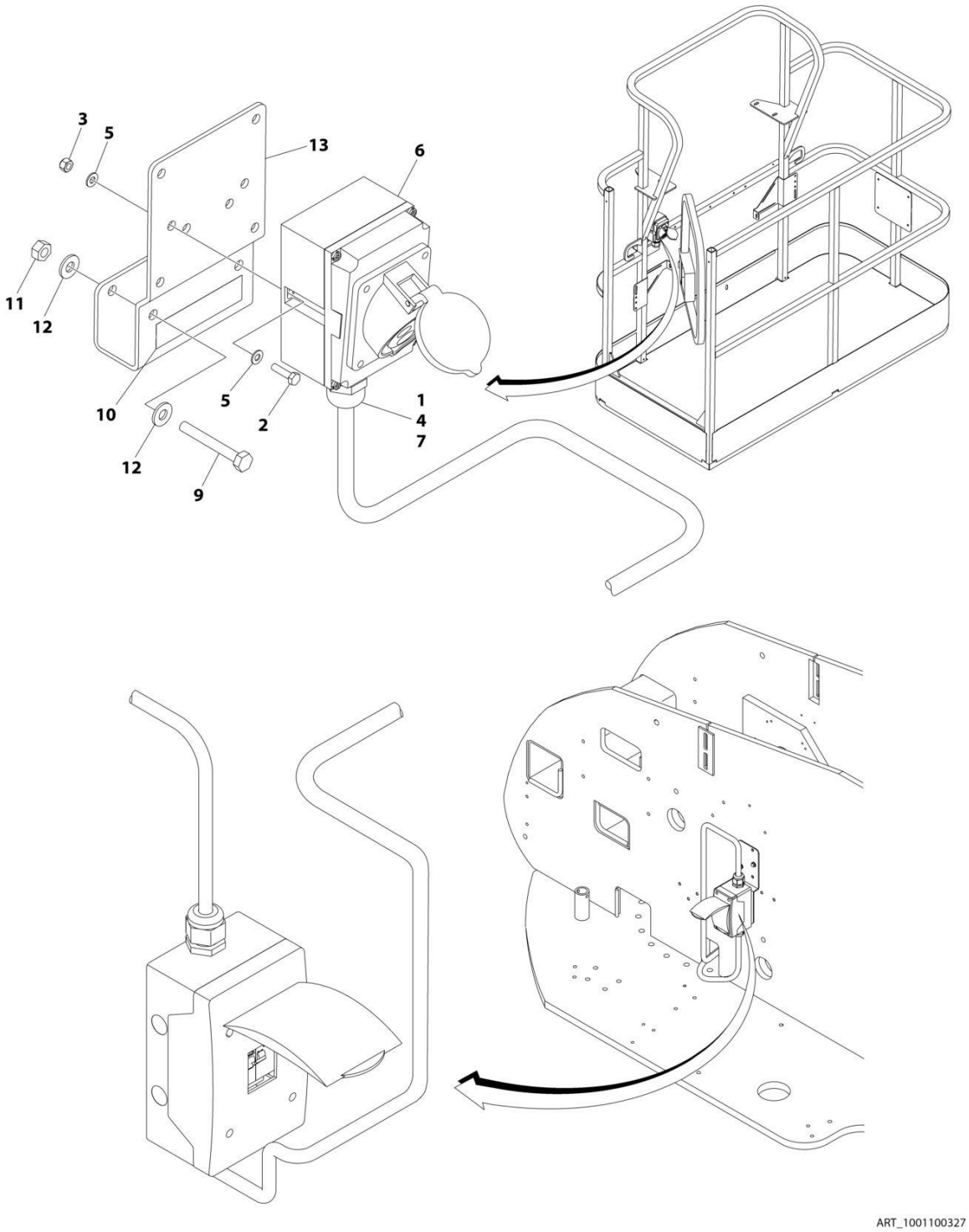
## FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-7. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091970 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE | D |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0275217 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 3 | 0700408 | 2 | Bolt M4 x 16 | |
| 4 | 3290405 | 2 | Nut M4 | |
| 5 | 1001101196 | 1 | Adapter | |
| 6 | 4811400 | 4 | Washer M4 | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 9 | 3311405 | 2 | Nut 1/4 | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 1001193018 | 1 | Bracket | |
| 12 | 3251242 | 2 | Decal - 240V/50Hz | |

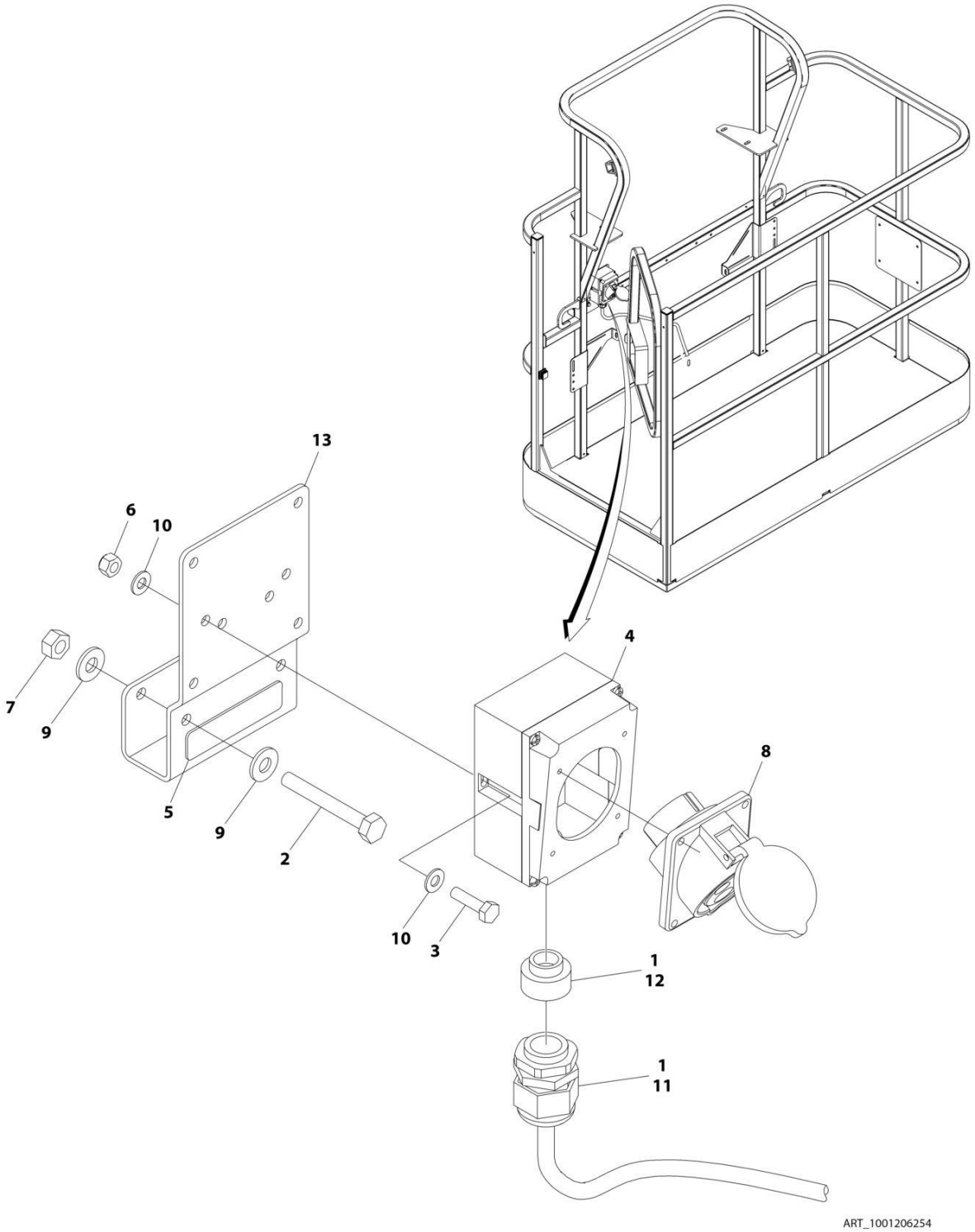
## FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-8. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100327 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE | D |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0700408 | 2 | Bolt M4 x 16 | |
| 3 | 3290405 | 2 | Nut M4 | |
| 4 | 1001101196 | 1 | Adapter | |
| 5 | 4811400 | 4 | Washer M4 | |
| 6 | 1001100342 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 1060908 | 10 ft /3.05m | Cable, Electrical 12/3 (Not Shown) | |
| 9 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 10 | 3252507 | 1 | Decal - 220V | |
| 11 | 3311405 | 2 | Nut 1/4 | |
| 12 | 4711400 | 4 | Washer 1/4 | |
| 13 | 1001193018 | 1 | Bracket | |

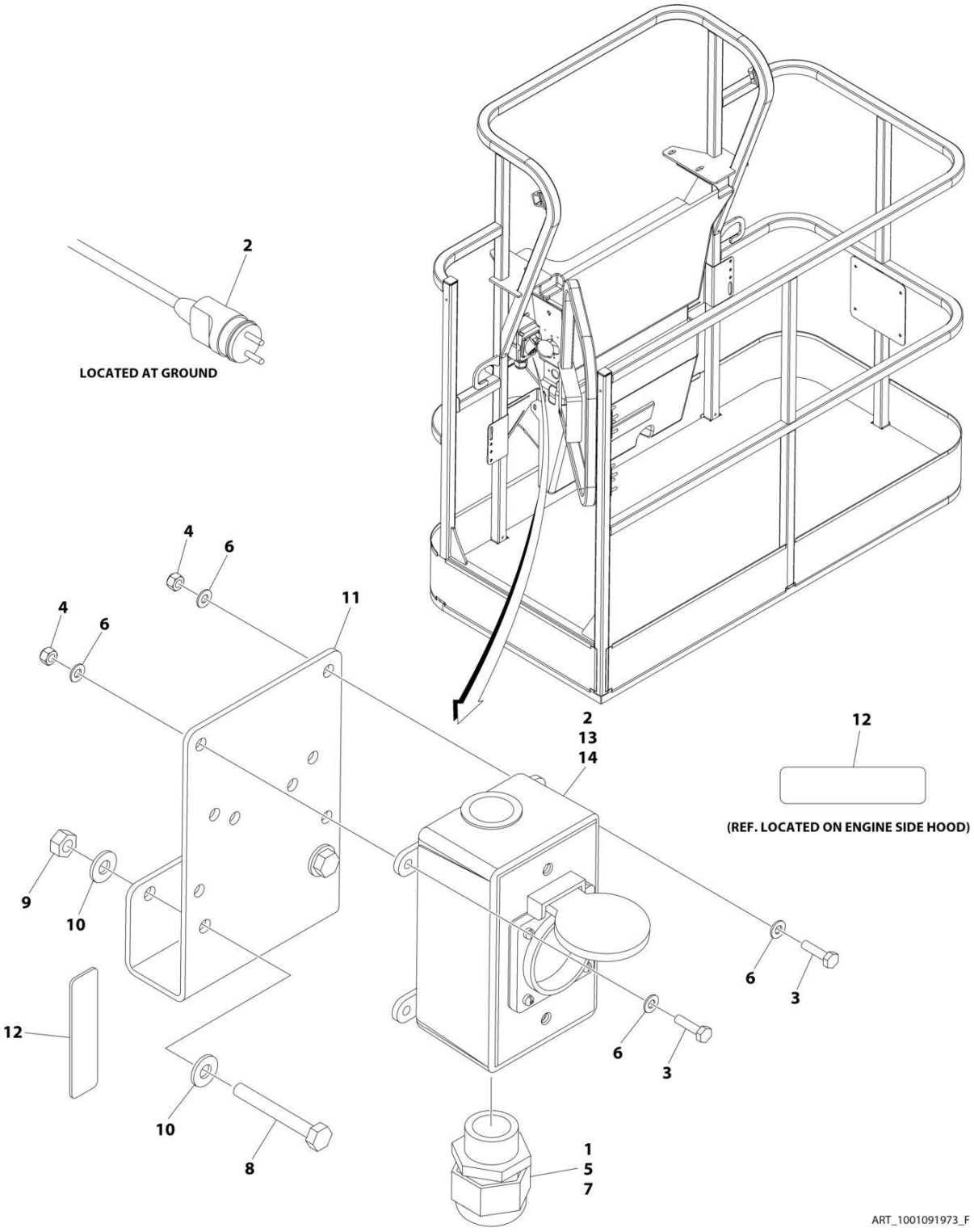
## FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-9. AC BOX AT PLATFORM INSTALLATION - 220V IEC 60309 BLUE WITH 4000W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206254 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V IEC BLUE | A |
| 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 | 4461201 | 1 | Receptacle | |
| 9 | 4711400 | 4 | Washer 1/4 | |
| 10 | 4811400 | 4 | Washer M4 | |
| 11 | 1001101191 | 1 | Connector, Strain Relief | |
| 12 | 1001101196 | 1 | Adapter | |
| 13 | 1001193018 | 1 | Bracket, AC Receptacle | |

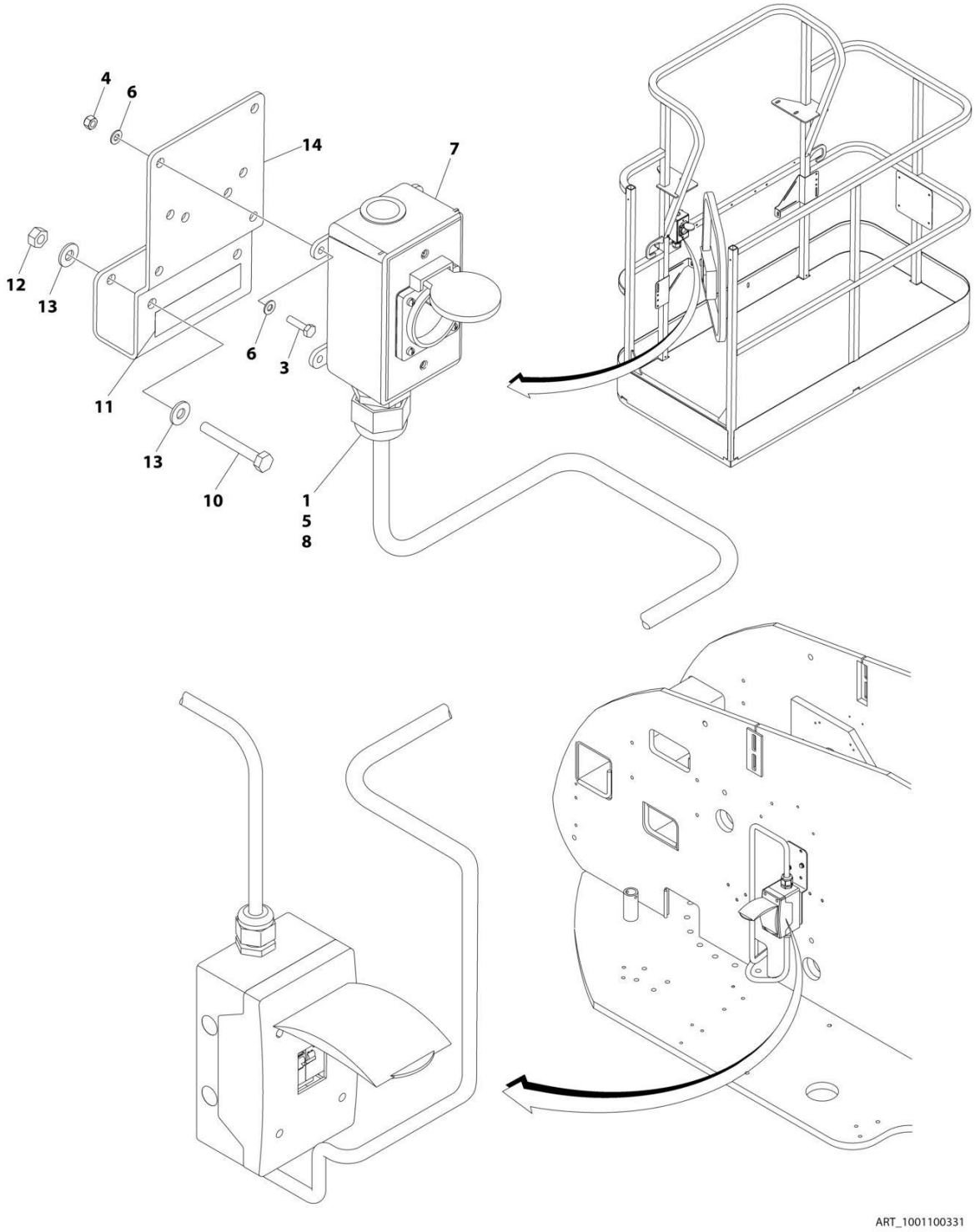
## FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-10. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091973 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND | F |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0275452 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 9 | 3311405 | 2 | Nut 1/4 | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 1001193018 | 1 | Bracket | |
| 12 | 3251242 | 2 | Decal - 240V/50Hz | |
| 13 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 14 | 1001205958 | 1 | Terminal (Not Shown) | |

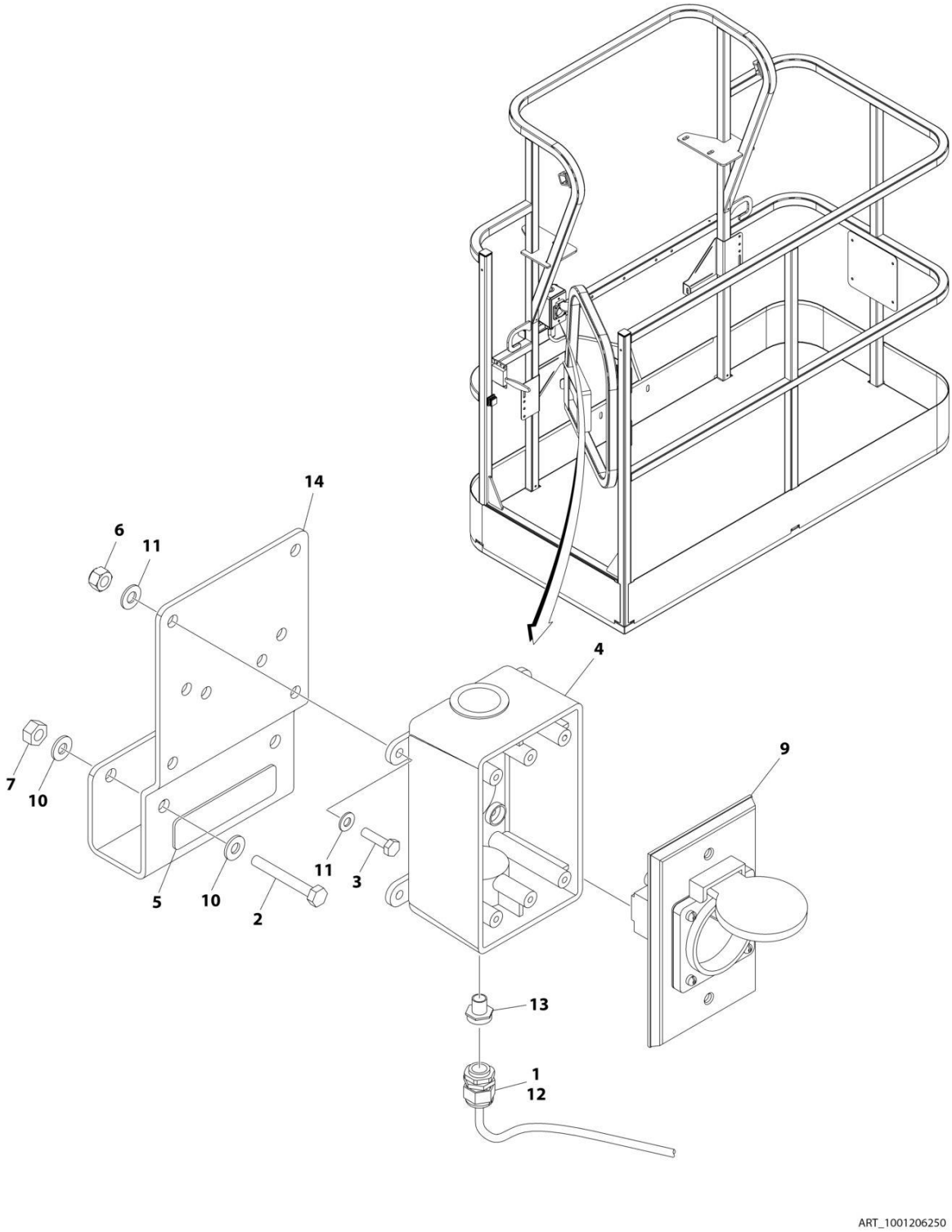
## FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-11. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100331 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) | E |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001100345 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 8 | 1001101191 | 1 | Connector, Strain Relief | |
| 9 | 1060908 | 10 ft /3.05m | Cable, Electrical 12/3 (Not Shown) | |
| 10 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 11 | 3252507 | 1 | Decal - 220V | |
| 12 | 3311405 | 2 | Nut 1/4 | |
| 13 | 4711400 | 4 | Washer 1/4 | |
| 14 | 1001193018 | 1 | Bracket | |
| 15 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 16 | 1001205958 | 1 | Terminal (Not Shown) | |

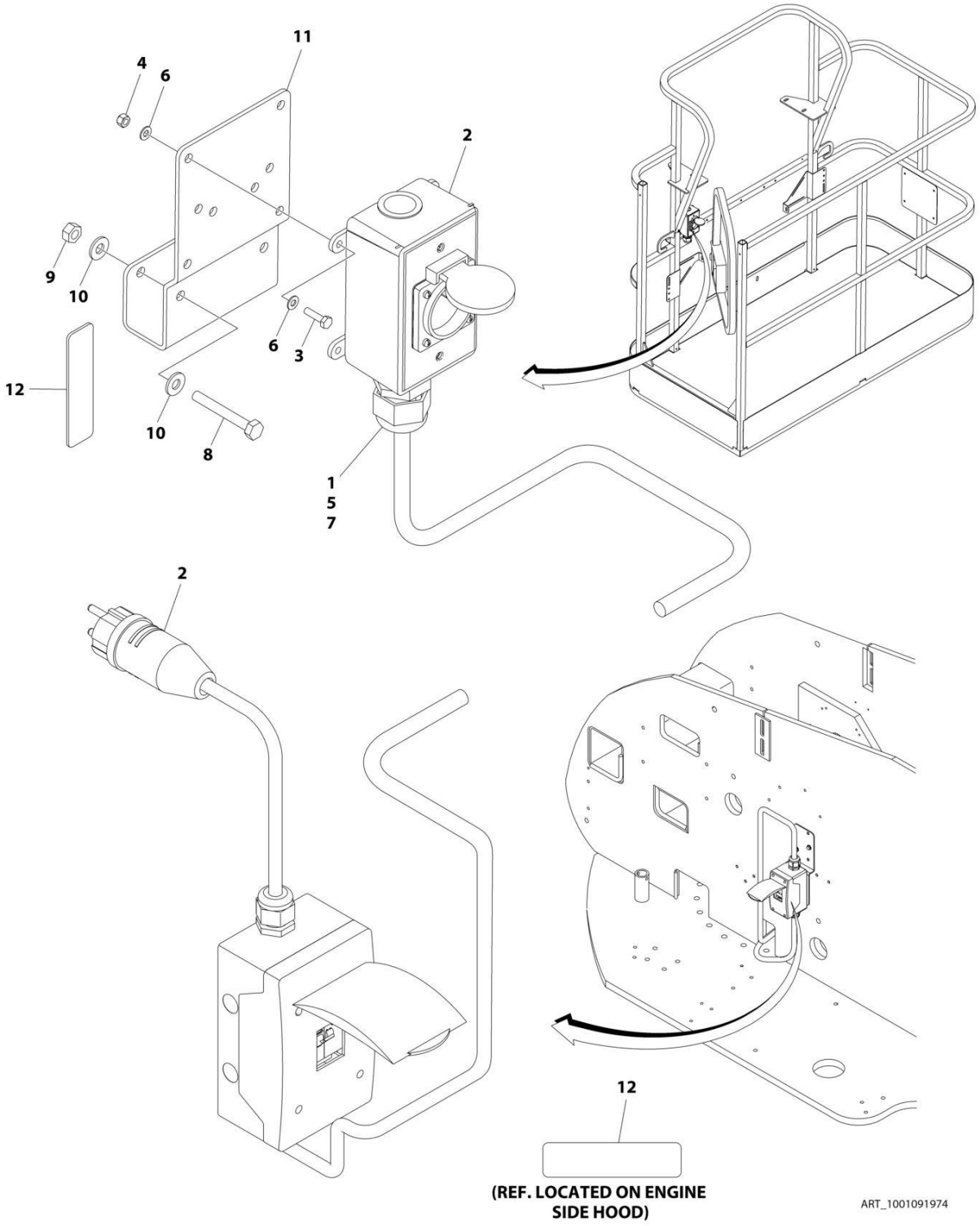
## FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-12. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 POST GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206250 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX POST GROUND | A |
| 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 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 9 | 4461244 | 1 | Receptacle | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 4811400 | 8 | Washer M4 | |
| 12 | 1001101191 | 1 | Connector, Strain Relief | |
| 13 | 1001101197 | 1 | Adapter | |
| 14 | 1001193018 | 1 | Bracket, AC Receptacle | |
| 15 | 1001205958 | 1 | Terminal (Not Shown) | |

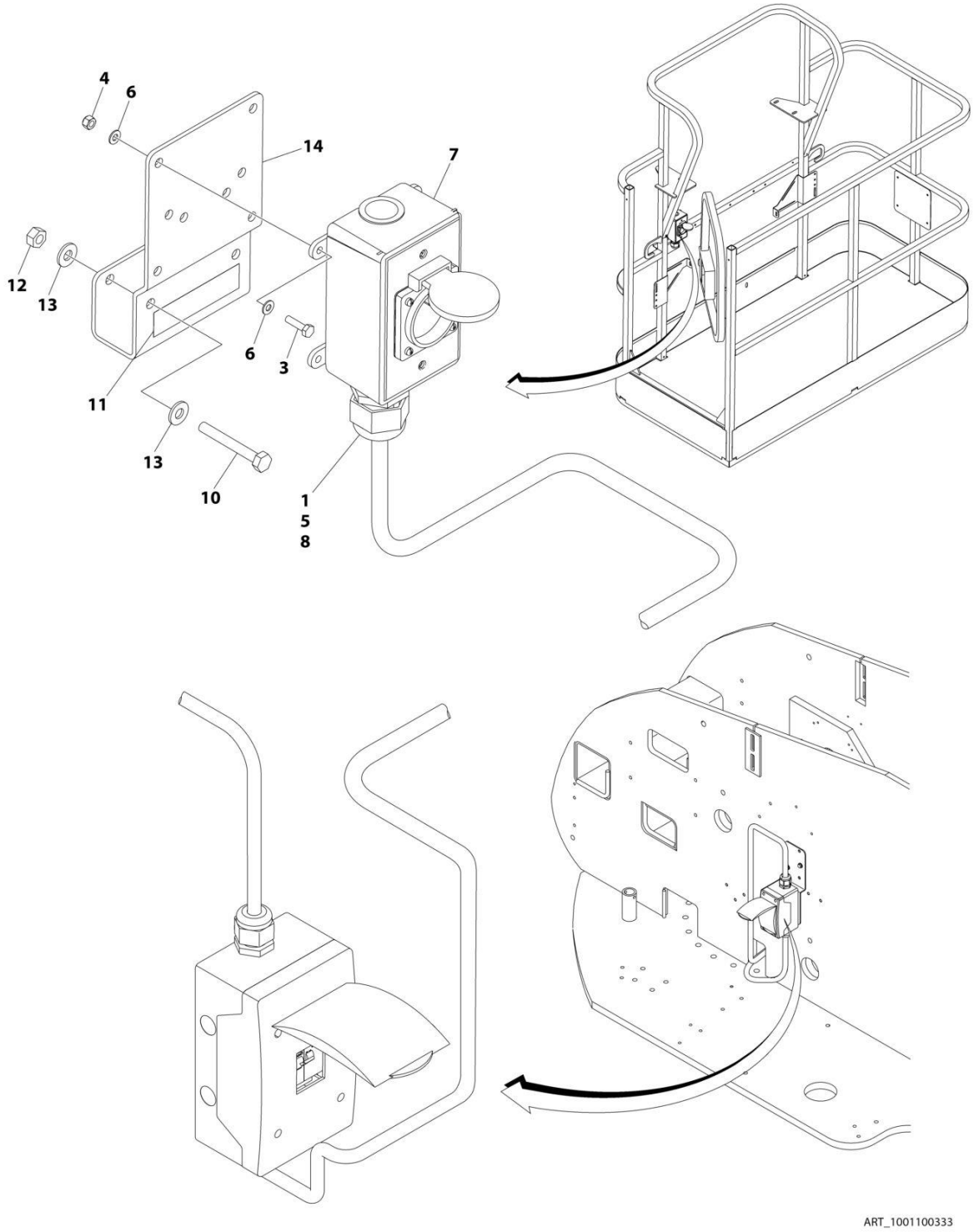
## FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-13. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091974 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND | F |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0275453 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 9 | 3311405 | 2 | Nut 1/4 | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 1001193018 | 1 | Bracket | |
| 12 | 3251242 | 2 | Decal - 240V/50Hz | |
| 13 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 14 | 1001205958 | 1 | Terminal (Not Shown) | |

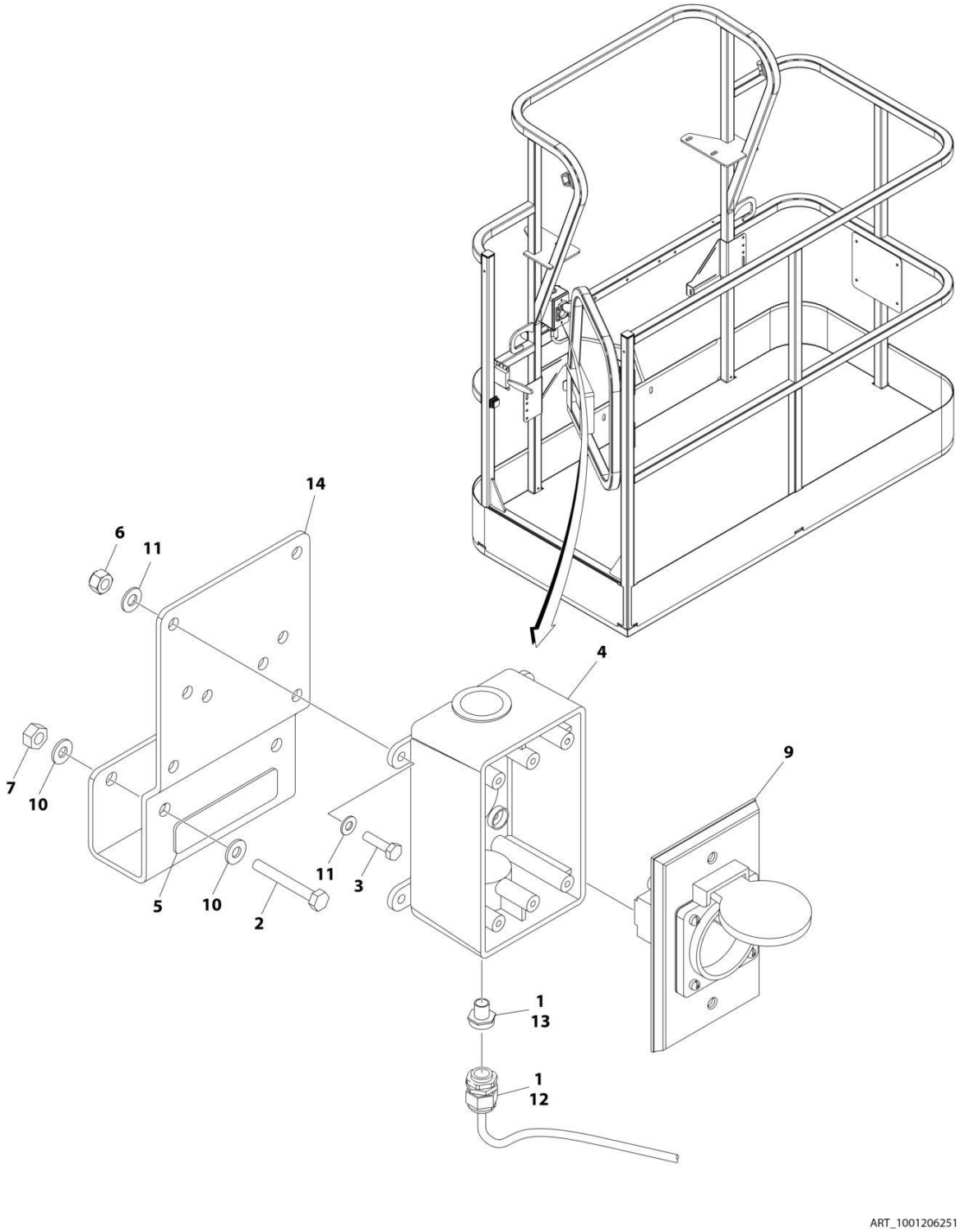
## FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-14. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100333 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) | E |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001100347 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 8 | 1001101191 | 1 | Connector, Strain Relief | |
| 9 | 1060908 | 10 ft /3.05m | Cable, Electrical 12/3 (Not Shown) | |
| 10 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 11 | 3252507 | 1 | Decal - 220V | |
| 12 | 3311405 | 2 | Nut 1/4 | |
| 13 | 4711400 | 4 | Washer 1/4 | |
| 14 | 1001193018 | 1 | Bracket | |
| 15 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 16 | 1001205958 | 1 | Terminal (Not Shown) | |

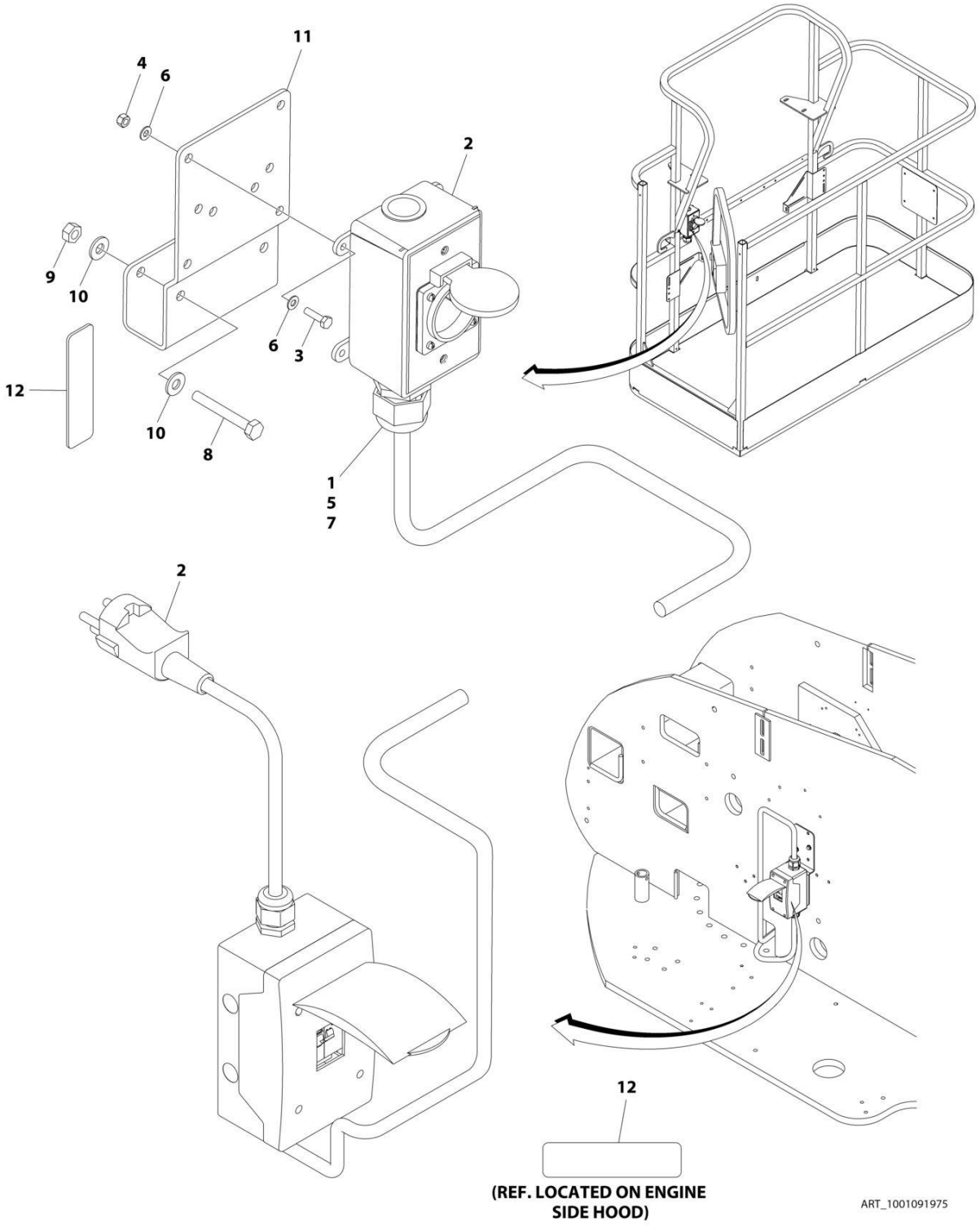
## FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-15. AC BOX AT PLATFORM INSTALLATION - 220V CEE7 SIDE GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206251 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V CEE7 2X4 BOX SIDE GROUND | A |
| 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 | 4460806 | 2 | Terminal, Fork (Not Shown) | |
| 9 | 4461245 | 1 | Receptacle | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 4811400 | 8 | Washer M4 | |
| 12 | 1001101191 | 1 | Connector, Strain Relief | |
| 13 | 1001101197 | 1 | Adapter | |
| 14 | 1001193018 | 1 | Bracket, AC Receptacle | |
| 15 | 1001205958 | 1 | Terminal (Not Shown) | |

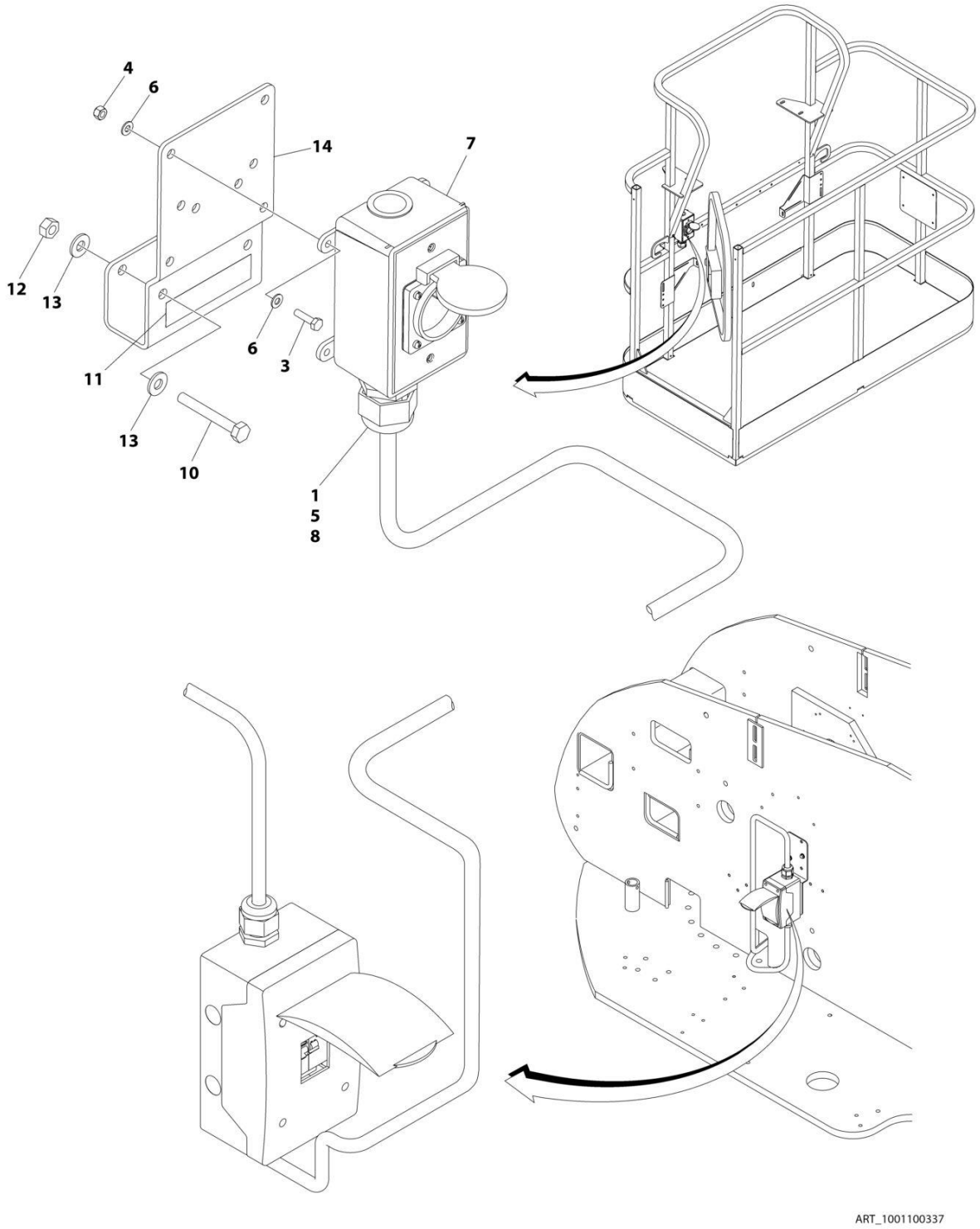
## FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-16. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001091975 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2X4 BOX KEYED GROUND | F |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 2 | 0275454 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001101191 | 1 | Connector, Strain Relief | |
| 8 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 9 | 3311405 | 2 | Nut 1/4 | |
| 10 | 4711400 | 4 | Washer 1/4 | |
| 11 | 1001193018 | 1 | Bracket | |
| 12 | 3251242 | 2 | Decal - 240V/50Hz | |
| 13 | 1001205958 | 3 | Terminal (Not Shown) | |

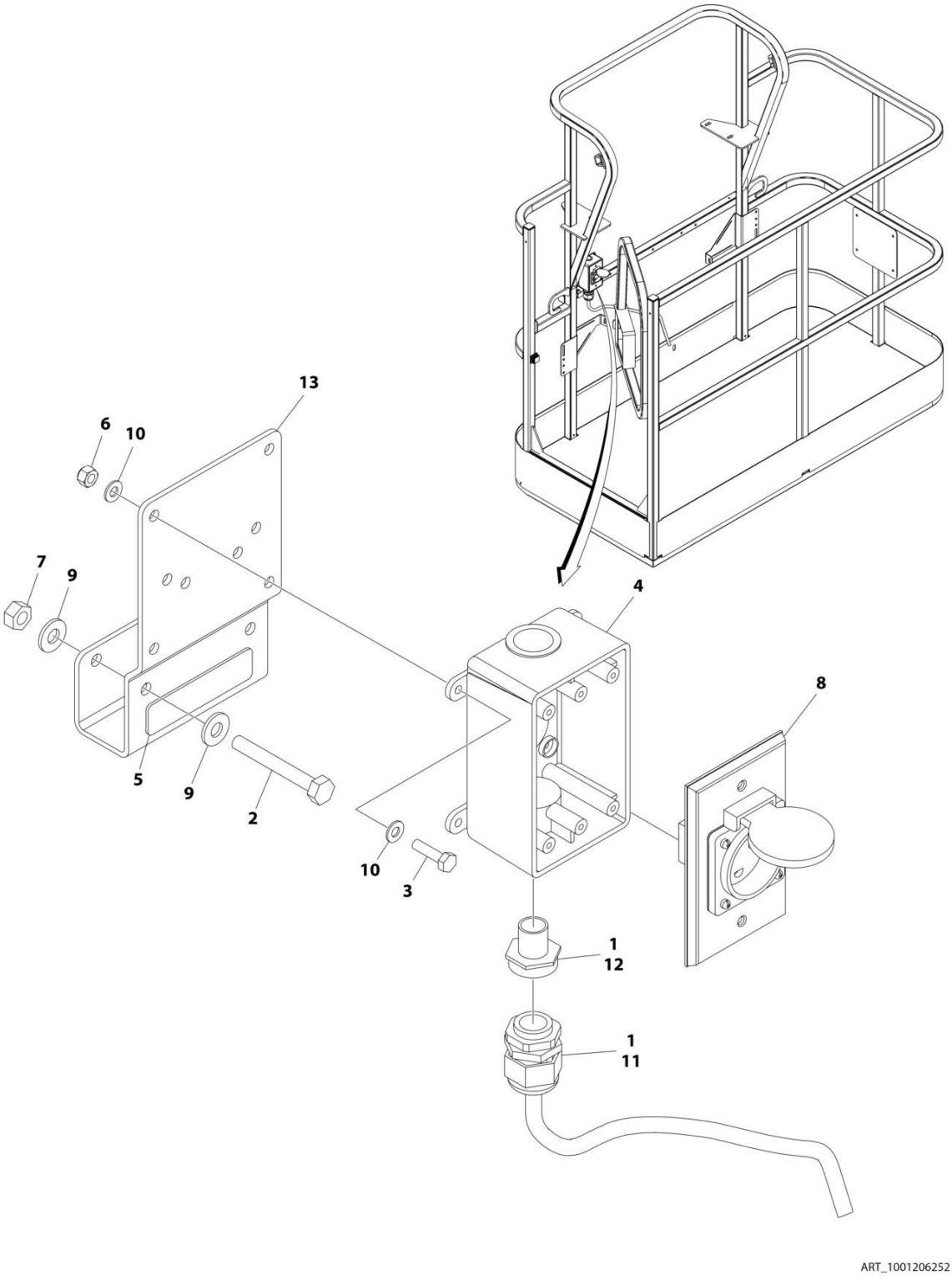
## FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-17. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100337 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2X4 BOX KEYED GROUND (2X4 BOX) | E |
| 1 | 0100020 | AR | Sealant, Pipe | |
| 3 | 0700408 | 4 | Bolt M4 x 16 | |
| 4 | 3290405 | 4 | Nut M4 | |
| 5 | 1001101197 | 1 | Adapter | |
| 6 | 4811400 | 8 | Washer M4 | |
| 7 | 1001100346 | 1 | Receptacle Box Kit (See Separate Breakdown in this Section) | |
| 8 | 1001101191 | 1 | Connector, Strain Relief | |
| 9 | 1060908 | 10 ft /3.05m | Cable, Electrical 12/3 (Not Shown) | |
| 10 | 0641416 | 2 | Bolt 1/4 x 2 | |
| 11 | 3252507 | 1 | Decal - 220V | |
| 12 | 3311405 | 2 | Nut 1/4 | |
| 13 | 4711400 | 4 | Washer 1/4 | |
| 14 | 1001193018 | 1 | Bracket | |
| 15 | 1001205958 | 3 | Terminal (Not Shown) | |

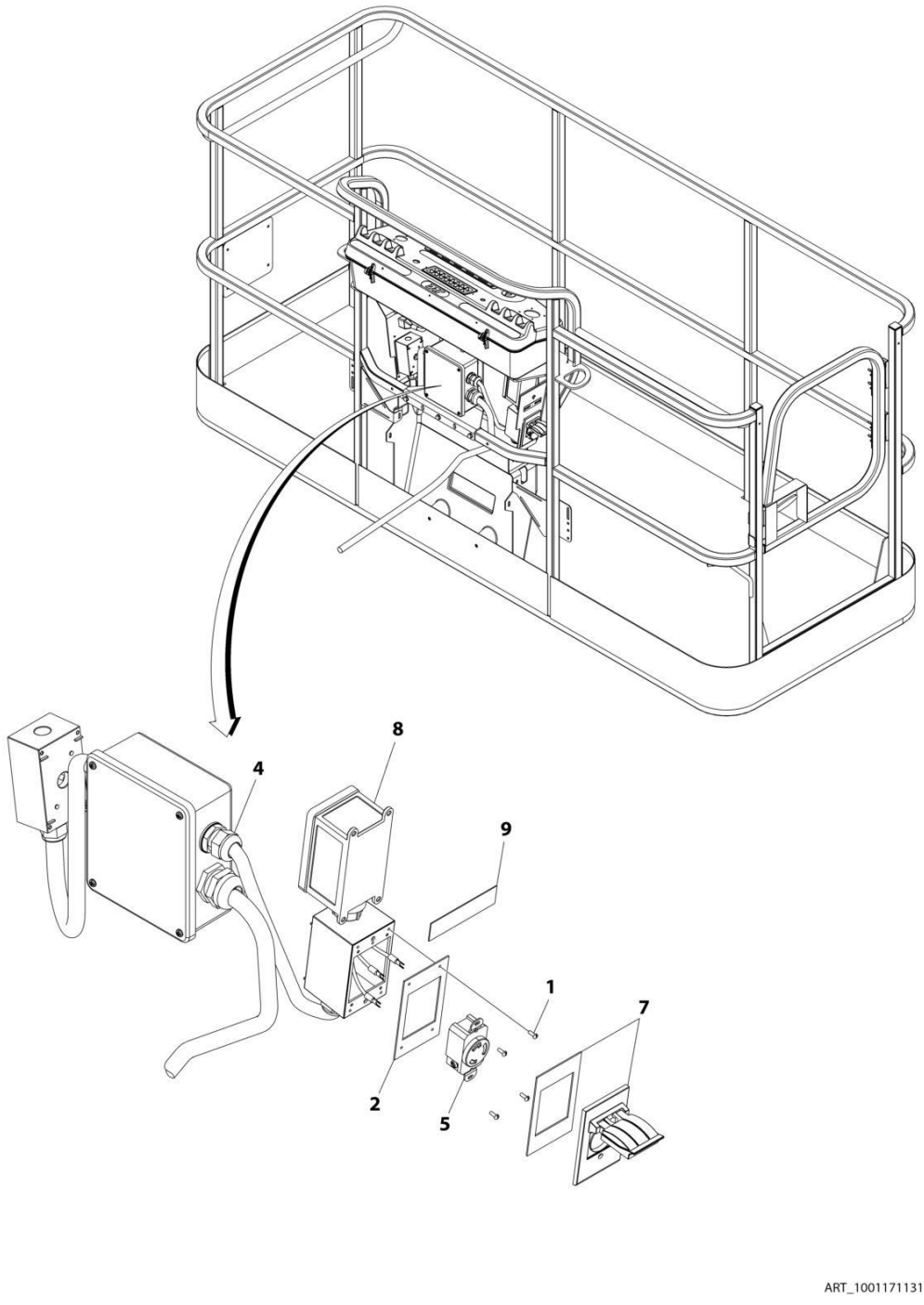
## FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-18. AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 KEYED GROUND (2X4 BOX) WITH 4000W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001206252 | Ref | AC BOX AT PLATFORM INSTALLATION - 220V AFSINT 107 2x4 BOX KEYED GROUND | A |
| 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 | 4461246 | 1 | Receptacle | |
| 9 | 4711400 | 4 | Washer 1/4 | |
| 10 | 4811400 | 8 | Washer M4 | |
| 11 | 1001101191 | 1 | Connector, Strain Relief | |
| 12 | 1001101197 | 1 | Adapter | |
| 13 | 1001193018 | 1 | Bracket, AC Receptacle | |
| 14 | 1001205958 | 3 | Terminal (Not Shown) | |

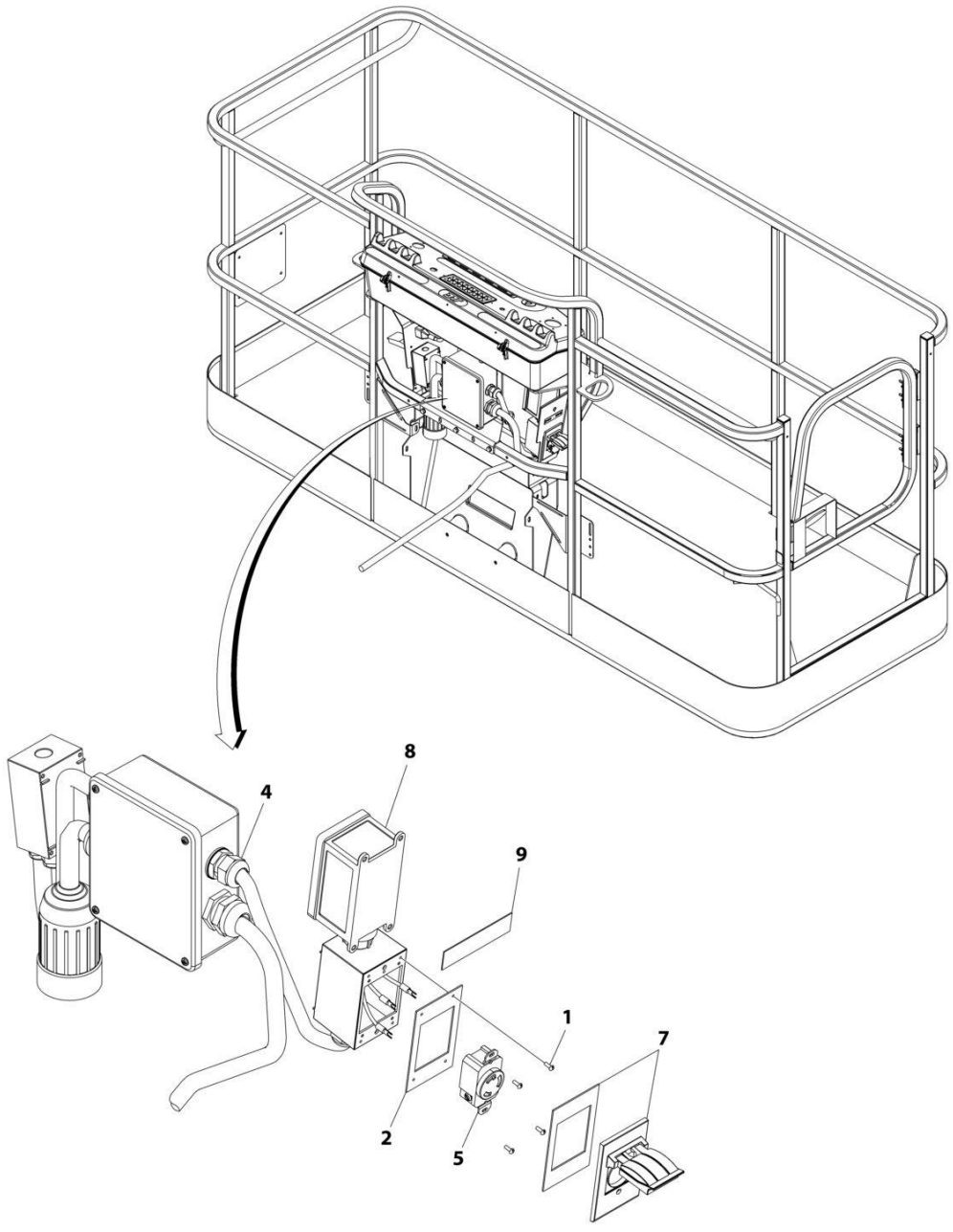
## FIGURE 8-19. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 4000W GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN & CE & UK CA SPECS)



## FIGURE 8-19. 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 | |

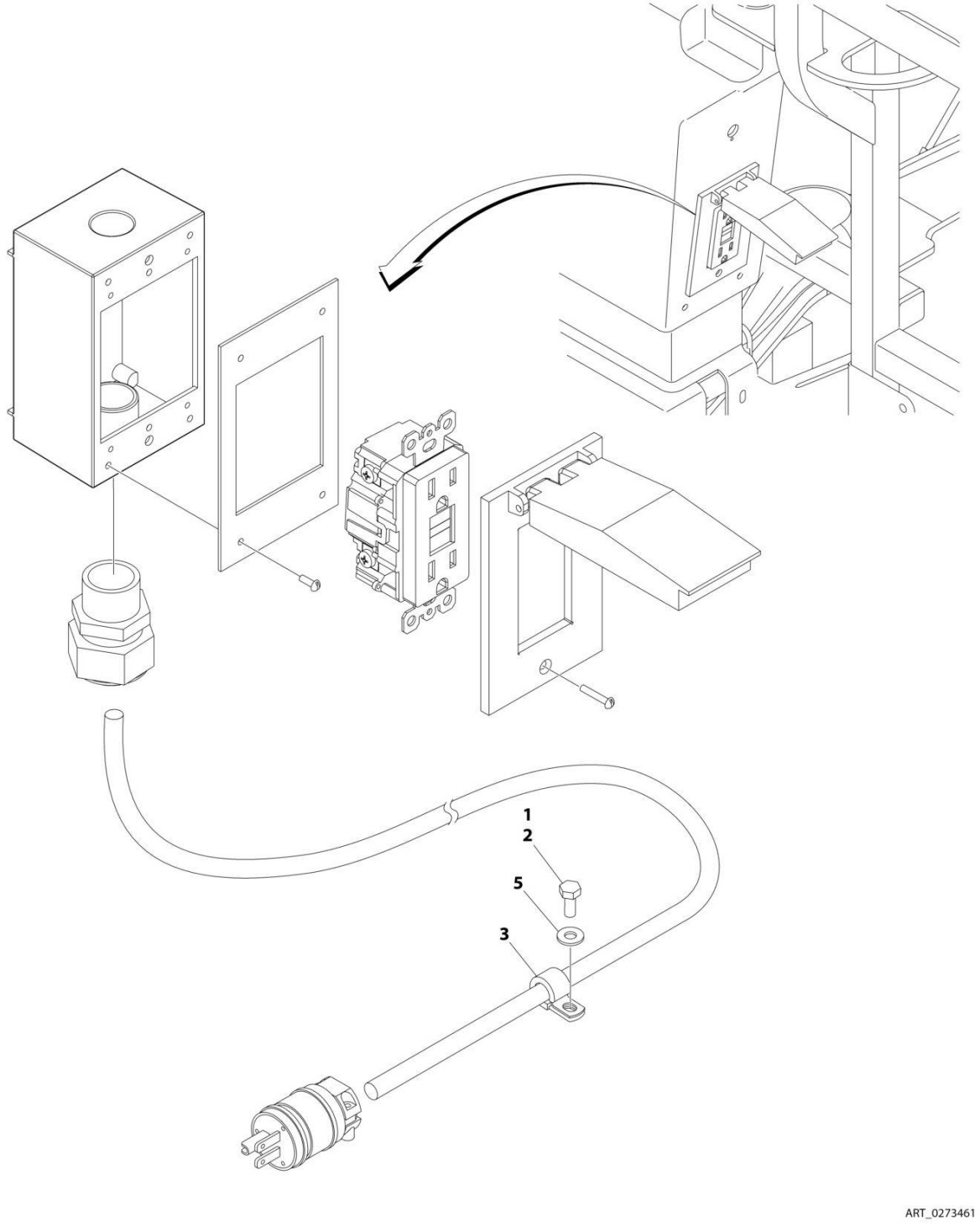
## FIGURE 8-20. AC BOX AT PLATFORM INSTALLATION - 240V (WITH 7500W SKYPOWER GENERATOR) (ALL SPECS EXCEPT AUSTRALIAN, CE & UK CA SPECS)



## FIGURE 8-20. 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 | |

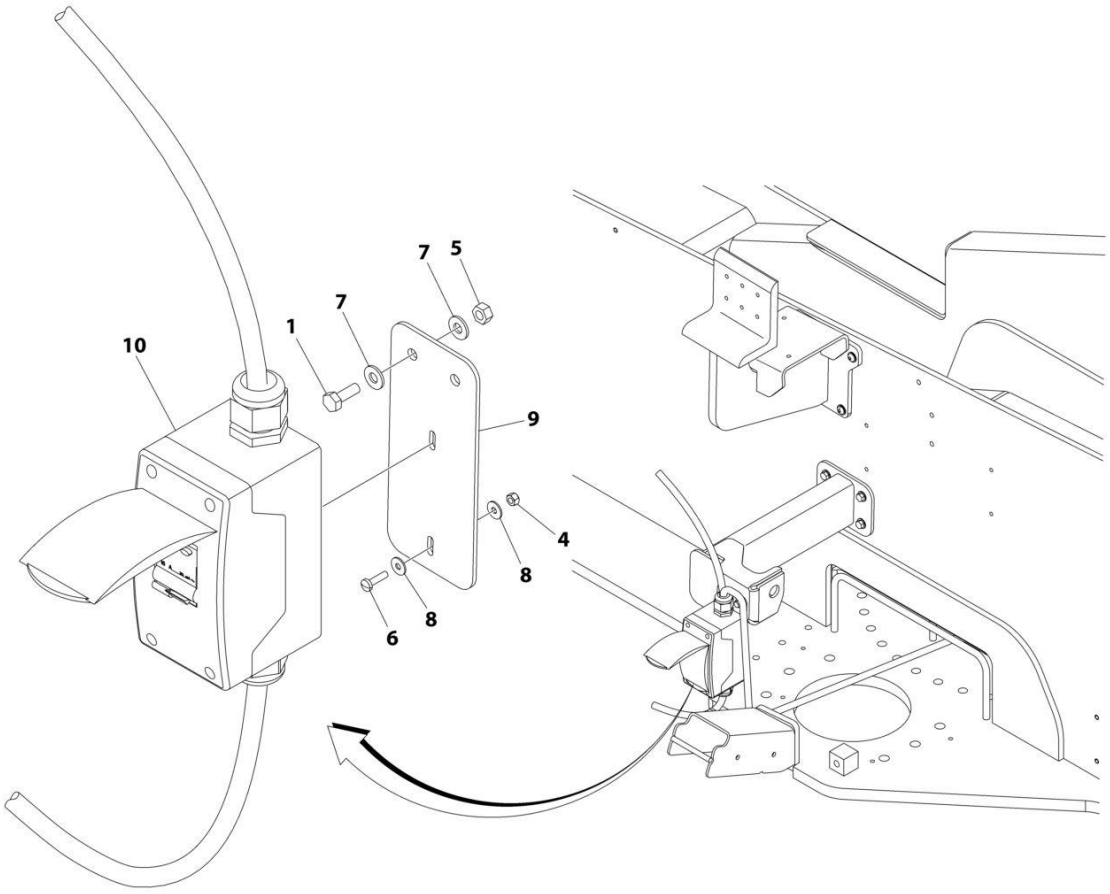
## FIGURE 8-21. AC LEAD INSTALLATION (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS)



## FIGURE 8-21. AC LEAD INSTALLATION (ANSI EXPORT, AUSTRALIAN, CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273461 | Ref | AC LEAD INSTALLATION (CE & UK CA SPECS) | B |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641405 | 1 | Bolt 1/4 x 5/8 | |
| 3 | 1320041 | 1 | Clamp | |
| 5 | 4711400 | 1 | Washer 1/4 | |

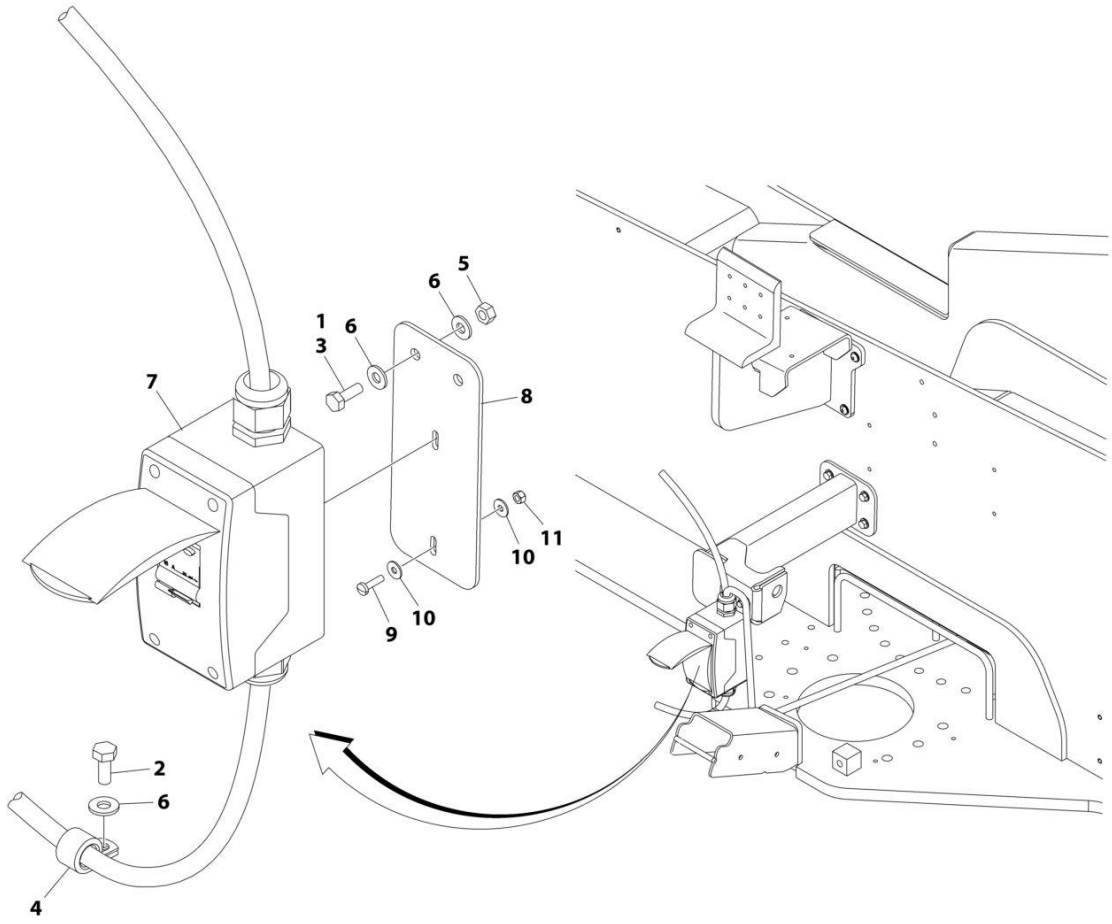
## FIGURE 8-22. AC 10 AMP BREAKER BOX INSTALLATION (CE & UK CA SPECS)



## FIGURE 8-22. AC 10 AMP BREAKER BOX INSTALLATION (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001109557 | Ref | AC 10 AMP BREAKER BOX INSTALLATION | B |
| 1 | 0641406 | 2 | Bolt 1/4 x 3/4 | |
| 4 | 3290405 | 2 | Nut M4 | |
| 5 | 0641405 | 2 | Bolt 1/4 x 5/8 | |
| 6 | 4010408 | 2 | Screw M4 x 16 | |
| 7 | 4711400 | 4 | Washer 1/4 | |
| 8 | 1001091102 | 4 | Washer M4 | |
| 9 | 1001096172 | 1 | Bracket | |
| 10 | 1001109648 | 1 | Breaker Box Kit - 10 Amp (See Separate Breakdown in this Section) | |

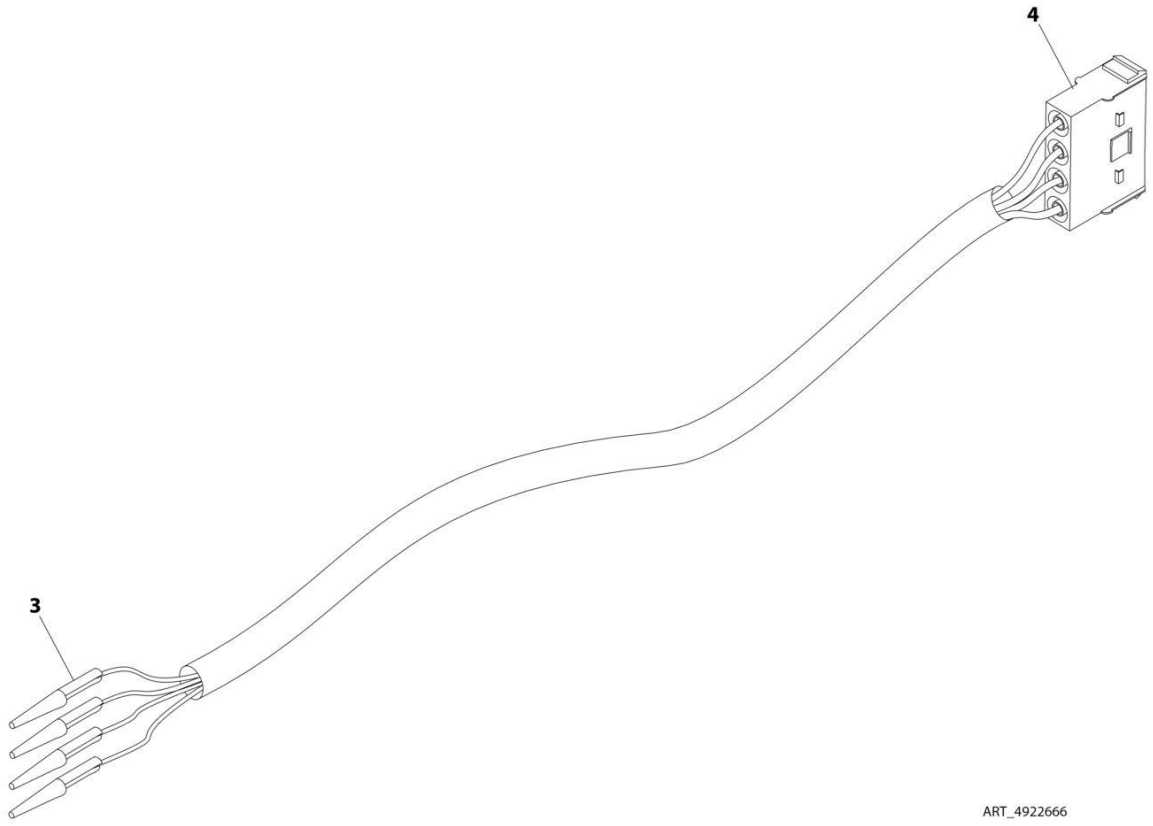
## FIGURE 8-23. AC 16 AMP BREAKER BOX INSTALLATION (CE & UK CA SPECS)



## FIGURE 8-23. AC 16 AMP BREAKER BOX INSTALLATION (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001096163 | Ref | AC 16 AMP BREAKER BOX INSTALLATION (CE & UK CA SPECS) | E |
| 1 | 0100011 | AR | Compound, Locking | |
| 2 | 0641405 | 1 | Bolt 1/4 x 5/8 | |
| 3 | 0641406 | 2 | Bolt 1/4 x 3/4 | |
| 4 | 1320041 | 1 | Clamp | |
| 5 | 3311405 | 2 | Nut 1/4 | |
| 6 | 4711400 | 5 | Washer 1/4 | |
| 7 | 1001109654 | 1 | Breaker Box Kit - 16 Amp (See Separate Breakdown in this Section) | |
| 8 | 1001096172 | 1 | Bracket | |
| 9 | 4010408 | 2 | Screw M4 x 16 | |
| 10 | 1001091102 | 4 | Washer M4 | |
| 11 | 3290405 | 2 | Nut M4 | |

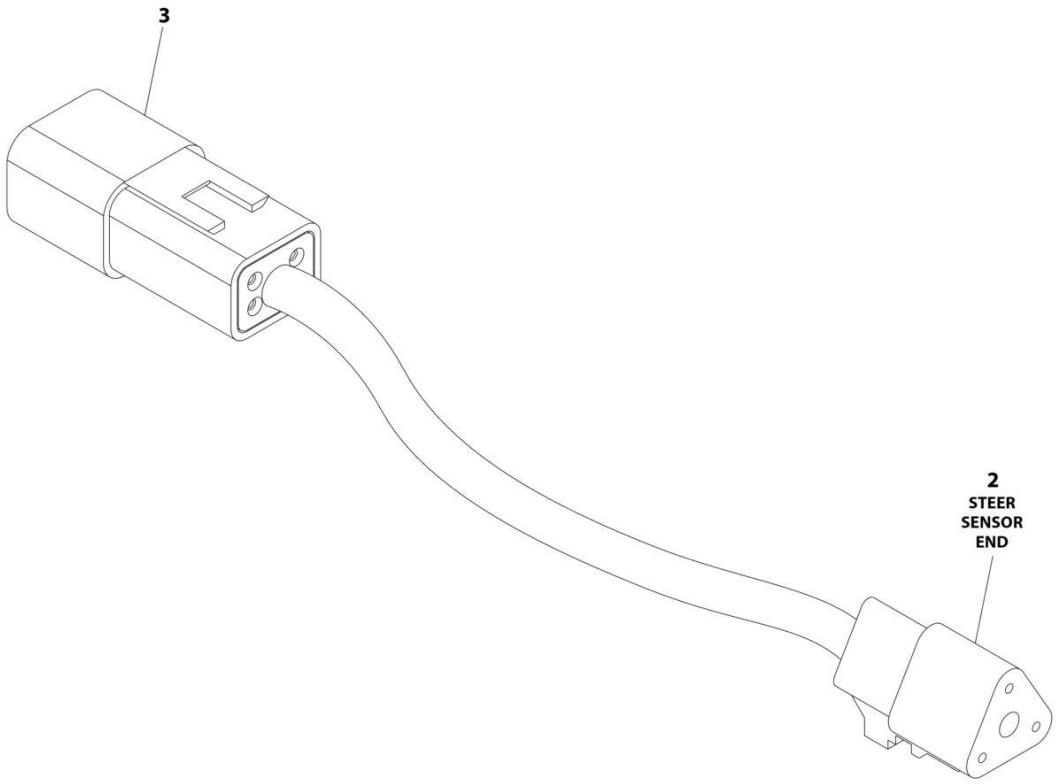
## FIGURE 8-24. ANALYZER CALBE HARNESS



## FIGURE 8-24. ANALYZER CALBE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922666 | Ref | ANALYZER CABLE HARNESS | C |
| 3 | 4460226 | 4 | Socket, Female | |
| 4 | 4460761 | 1 | Connector - 4 Position | |
| 4 | 4460227 | 4 | Pin, Male | |

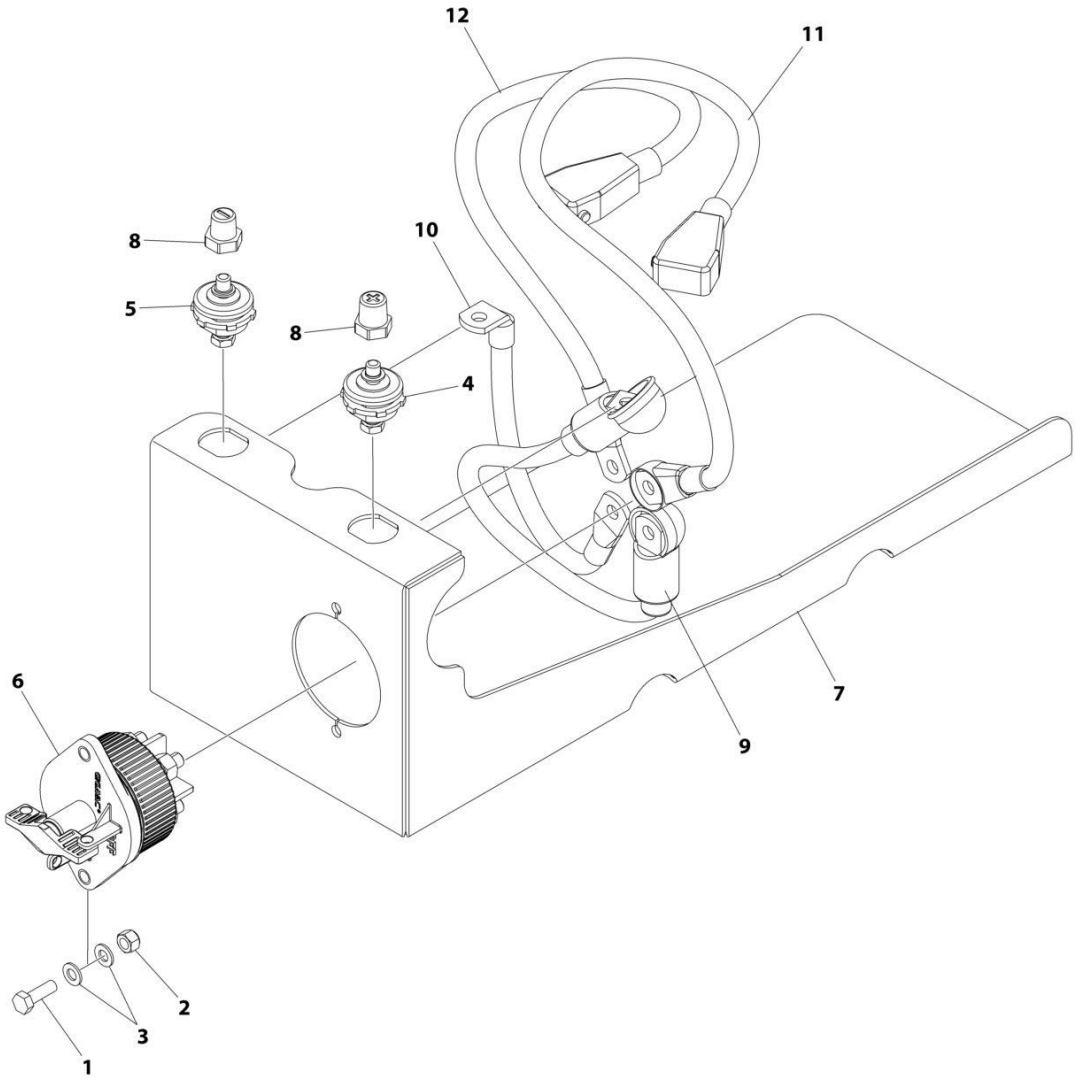
## FIGURE 8-25. AXLE POWER TRACK HARNESS ASSEMBLY



## FIGURE 8-25. AXLE POWER TRACK HARNESS ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922718 | Ref | AXLE POWER TRACK HARNESS ASSEMBLY | E |
| 2 | 4460539 | 1 | Connector - 3 Position | |
| 2 | 4460944 | 3 | Socket, Female | |
| 3 | 4460932 | 1 | Connector - 4 Position | |
| 3 | 4460943 | 4 | Pin, Male | |

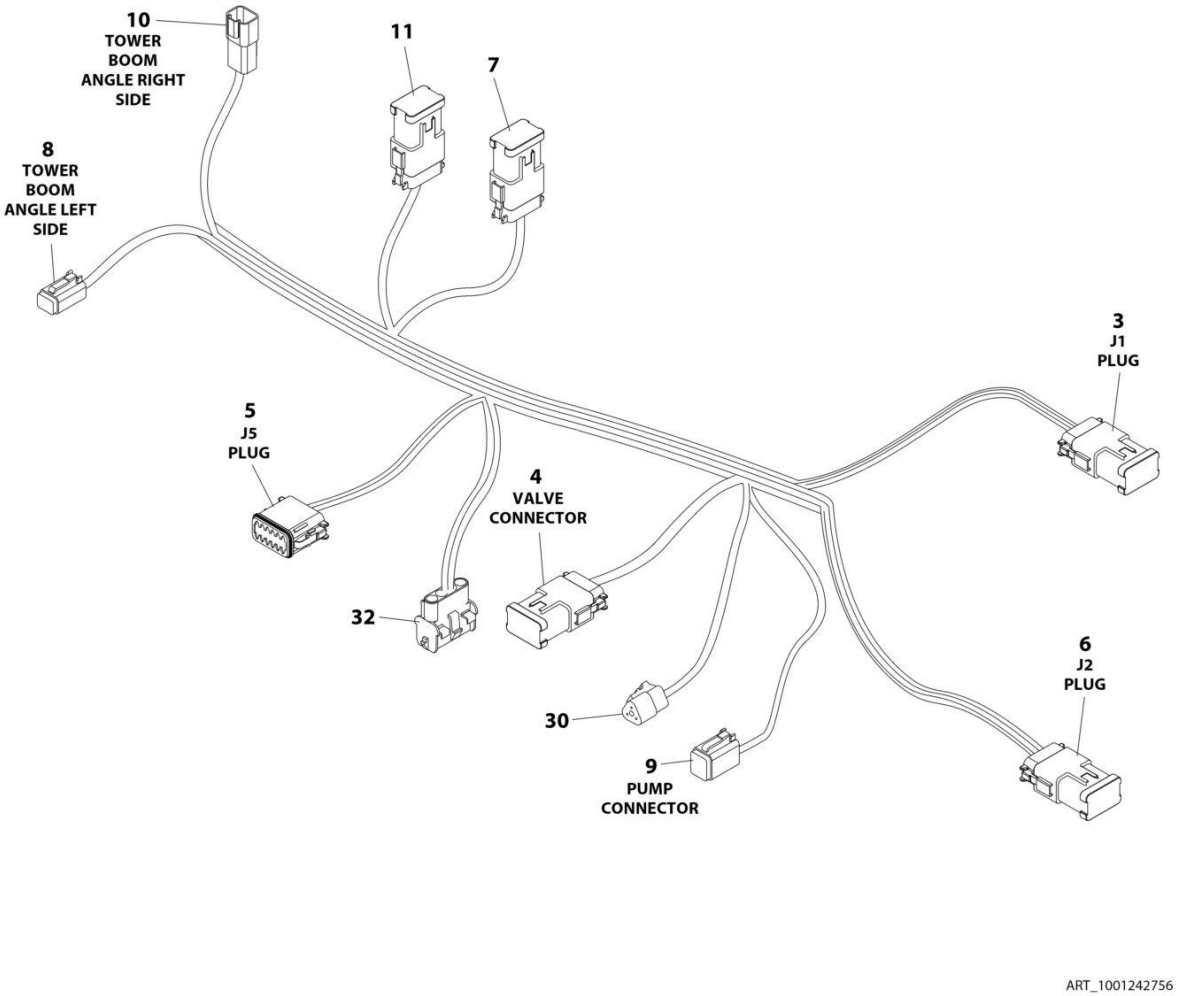
## FIGURE 8-26. BATTERY DISCONNECT INSTALLATION



## FIGURE 8-26. BATTERY DISCONNECT INSTALLATION

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001242825 | Ref | BATTERY DISCONNECT INSTALLATION | B |
| 1 | 0760812 | 2 | Bolt M8 x 25 | |
| 2 | 3290805 | 2 | Nut M8 | |
| 3 | 4811900 | 4 | Washer M8 | |
| 4 | 1001214570 | 1 | Connector (Red) | |
| 5 | 1001214571 | 1 | Connector (Black) | |
| 6 | 1001225346 | 1 | Switch, Disconnect | |
| 7 | 1001242824 | 1 | Mount | |
| 8 | 1001206476 | 1 | Connector | |
| 9 | 1001236375 | 1 | Cable (Positive) | |
| 10 | 1001236376 | 1 | Cable (Negative) | |
| 11 | 1001236377 | 1 | Cable (Positive) | |
| 12 | 1001236378 | 1 | Cable (Negative) | |

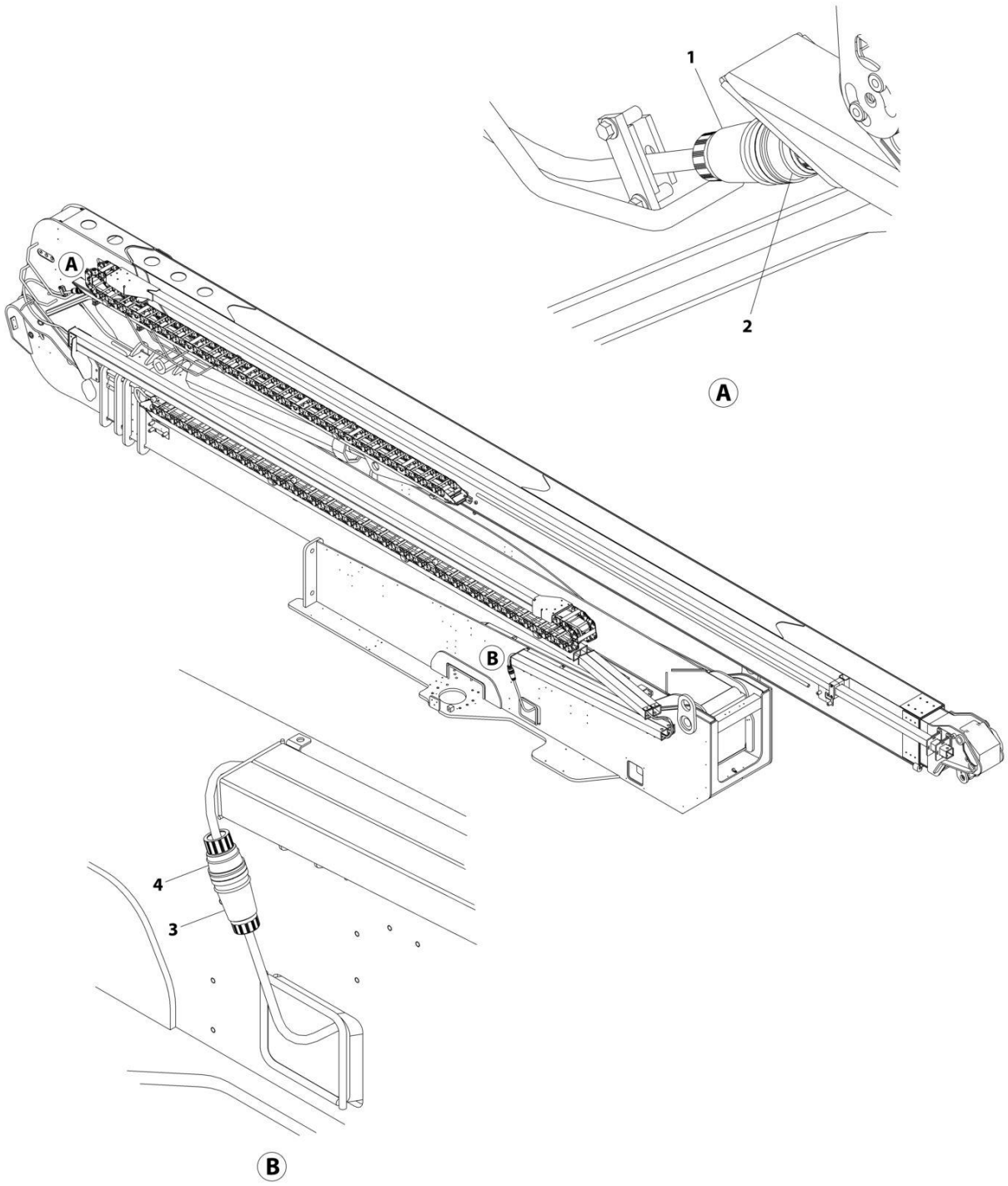
## FIGURE 8-27. B.L.A.M. HARNESS



## FIGURE 8-27. B.L.A.M. HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001242756 | Ref | B.L.A.M. HARNESS | D |
| 3 | 1001270339 | 1 | Connector - 12 Position (Gray) | |
| 3 | 4460466 | 7 | Plug, Seal | |
| 3 | 4460944 | 3 | Socket, Female | |
| 3 | 4460942 | 1 | Socket, Female | |
| 4 | 4460970 | 1 | Connector - 12 Position | |
| 4 | 4460943 | 3 | Pin, Male (Gold) | |
| 4 | 4460464 | 6 | Pin, Male | |
| 4 | 4460941 | 3 | Pin, Male | |
| 5 | 1001239345 | 1 | Connector - 12 Position (Brown) | |
| 5 | 4460466 | 5 | Plug, Seal | |
| 5 | 4460465 | 2 | Socket, Female | |
| 5 | 4460944 | 4 | Socket, Female | |
| 6 | 1001270340 | 1 | Connector - 12 Position (Black) | |
| 6 | 4460466 | 8 | Plug, Seal | |
| 6 | 4460944 | 2 | Socket, Female | |
| 6 | 4460465 | 2 | Socket, Female | |
| 7 | 4460836 | 1 | Connector - 12 Position (Black) | |
| 7 | 4460466 | 8 | Plug, Seal | |
| 7 | 4460465 | 4 | Socket, Female | |
| 7 | 4460942 | 2 | Socket, Female | |
| 7 | 1001249244 | 1 | Connector - 12 Position Buss Bar | |
| 8 | 4460884 | 1 | Connector - 4 Position (Gray) | |
| 8 | 4460944 | 4 | Socket, Female | |
| 9 | 4460894 | 1 | Connector - 6 Position (Gray) | |
| 9 | 4460465 | 5 | Socket, Female | |
| 9 | 4460466 | 2 | Plug, Seal | |
| 10 | 4460932 | 1 | Connector - 4 Position (Gray) | |
| 10 | 4460943 | 4 | Pin, Male | |
| 11 | 4460836 | 1 | Plug, Male - 12 Position (Black) | |
| 11 | 4460466 | 6 | Plug, Seal | |
| 11 | 4460465 | 5 | Socket, Female | |
| 11 | 1001249244 | 1 | Connector - 12 Position Buss Bar | |
| 18 | 4240033 | 7 | Tie-Strap (Not Shown) | |
| 30 | 4460539 | 1 | Connector - 3 Position | |
| 30 | 4460944 | 3 | Socket, Female | |
| 30 | 4460121 | 1 | Wire Cap | |
| 32 | 4460761 | 1 | Connector - 4 Position | |
| 32 | 4460227 | 4 | Pin, Male | |

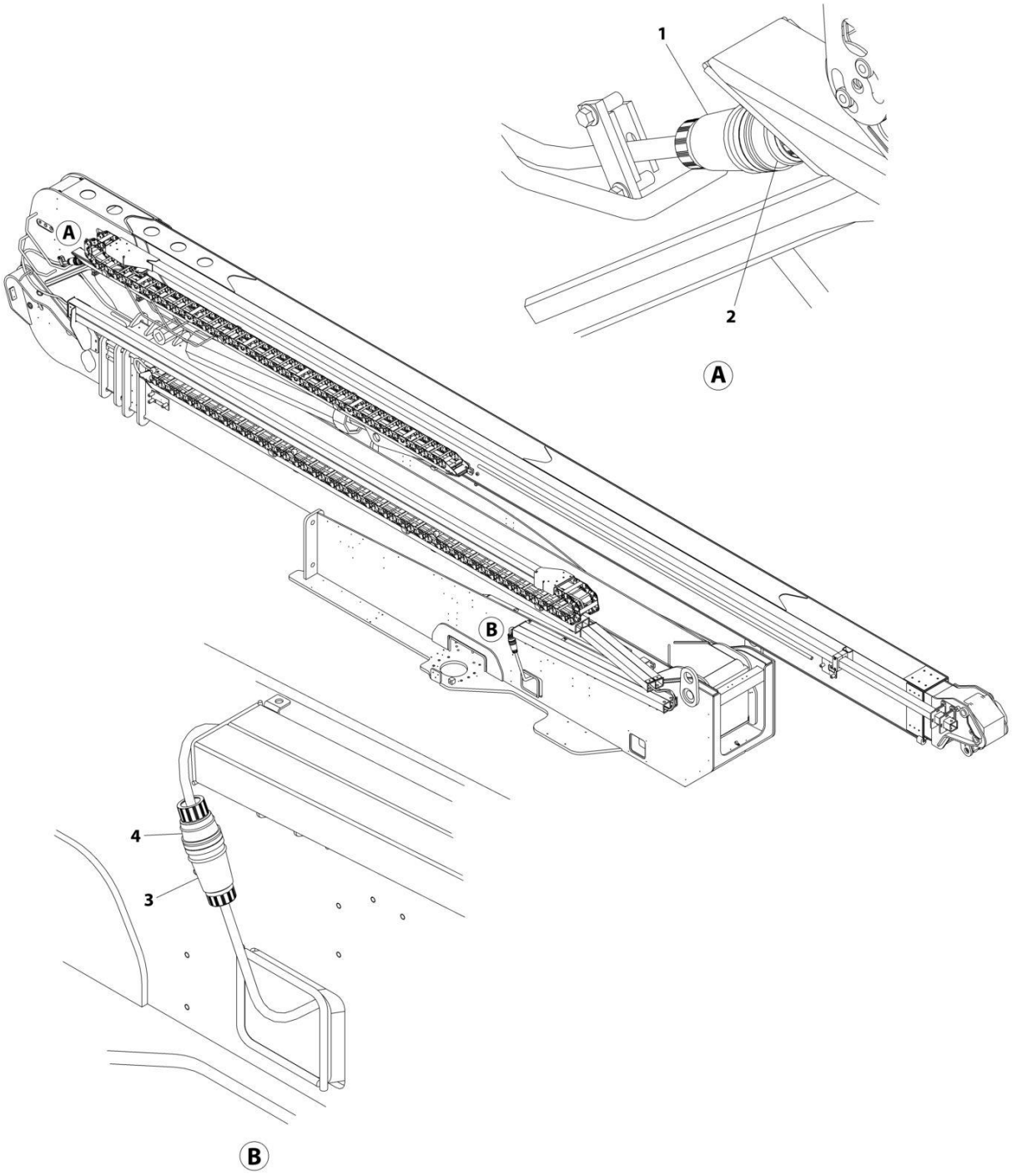
## FIGURE 8-28. BOOM CABLE INSTALLATION (ANSI, ANSI EXPORT AND JAPANESE SPECS)



## FIGURE 8-28. BOOM CABLE INSTALLATION (ANSI, ANSI EXPORT AND JAPANESE SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273474 | Ref | BOOM CABLE INSTALLATION | C |
| 1 | 1001227932 | 1 | Tower Boom AC Cable Harness | |
| 1 | 1001213585 | 1 | Receptacle, Female | |
| 2 | 1001227933 | 1 | Main Boom AC Cable Harness | |
| 2 | 1001213584 | 1 | Plug, Male | |
| 3 | 1001227934 | 1 | Turntable AC Cable Harness | |
| 3 | 1001213585 | 1 | Receptacle, Female | |
| 4 | 1001213584 | 1 | Plug, Male | |

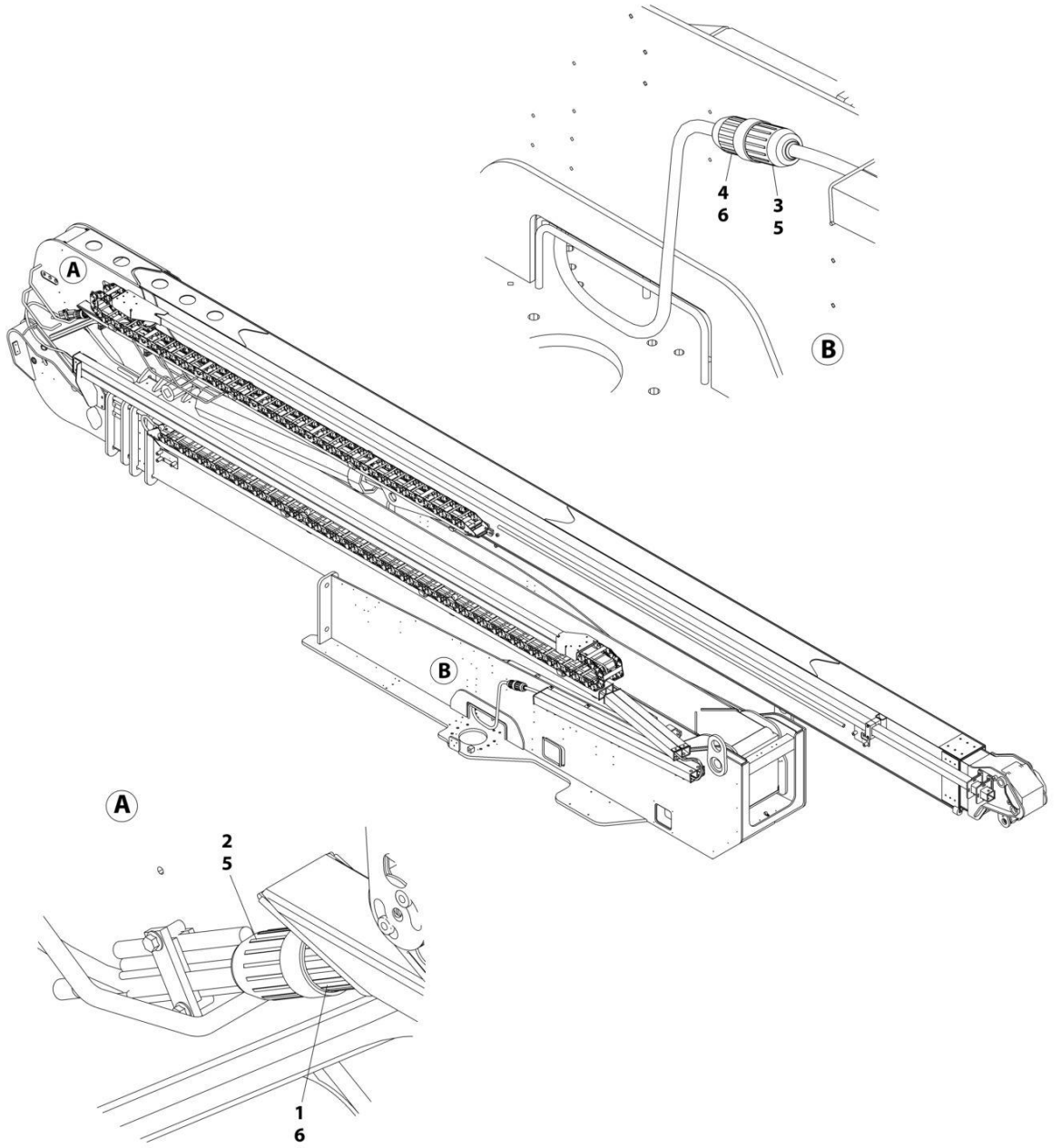
## FIGURE 8-29. BOOM CABLE INSTALLATION (AUSTRALIAN, CE & UK CA SPECS)



## FIGURE 8-29. BOOM CABLE INSTALLATION (AUSTRALIAN, CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273475 | Ref | BOOM CABLE INSTALLATION | E |
| 1 | 1001227935 | 1 | Tower Boom AC Cable Harness | |
| 1 | 1001213585 | 1 | Receptacle, Female | |
| 2 | 1001227936 | 1 | Main Boom AC Cable Harness | |
| 2 | 1001213584 | 1 | Plug, Male | |
| 3 | 1001227937 | 1 | Turntable AC Cable Harness | |
| 3 | 1001213585 | 1 | Receptacle, Female | |
| 4 | 1001213584 | 1 | Plug, Male | |

## FIGURE 8-30. BOOM CABLE INSTALLATION - 4000W 60HZ GENERATOR

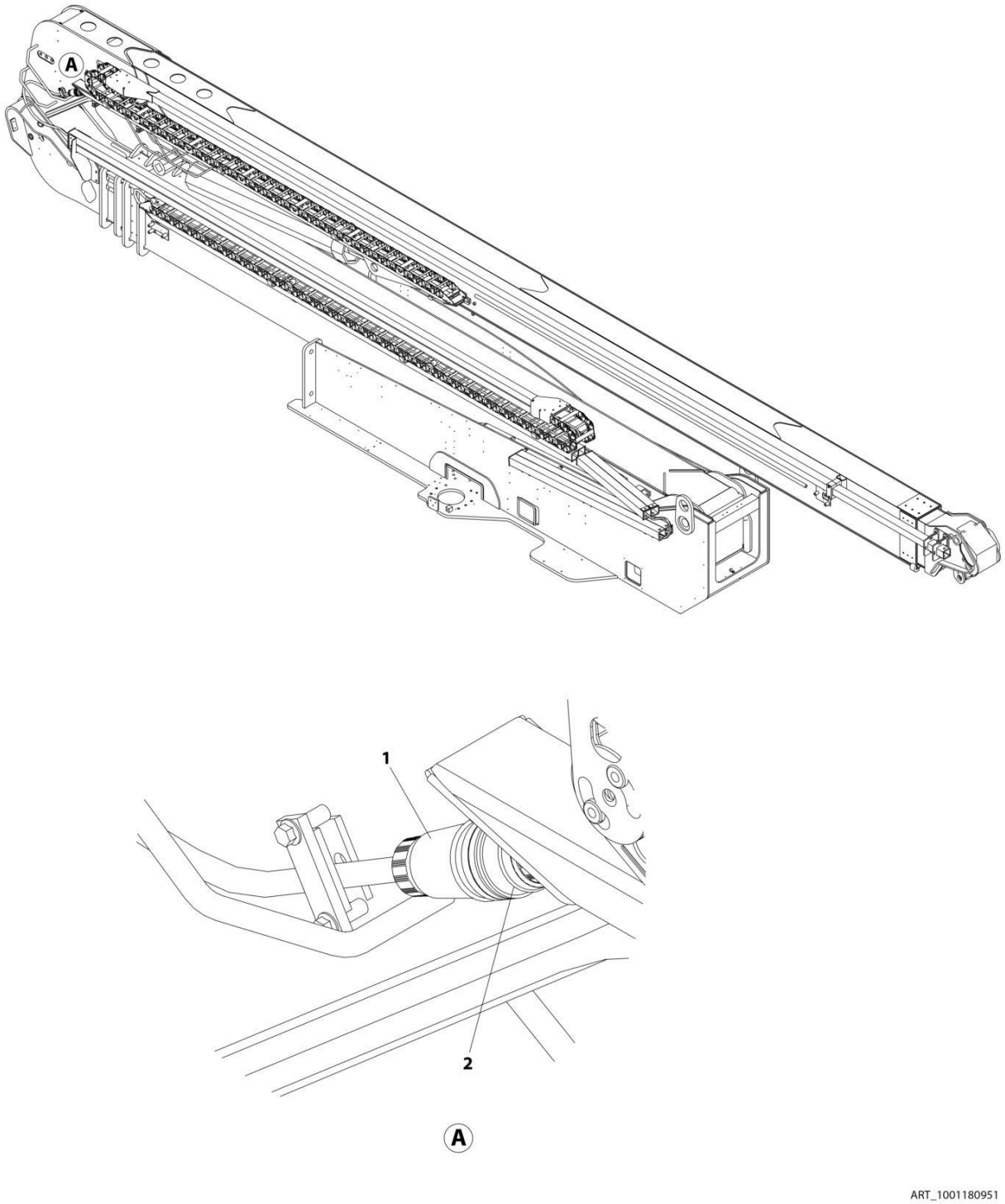



ART_1001161049

## FIGURE 8-30. BOOM CABLE INSTALLATION - 4000W 60HZ GENERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001161049 | Ref | BOOM CABLE INSTALLATION - 4000W 60HZ GENERATOR | A |
| 1 | 1001161042 | 1 | Main Boom 4000W Generator Cable Harness | |
| 1 | 1001131969 | 85 ft /25.9m | Cable, Electrical 8/4 | |
| 1 | 4460962 | 1 | Plug, Male | |
| 2 | 1001161043 | 1 | Tower Boom 4000W Generator Cable Harness | |
| 2 | 1001131969 | 71 ft /21.6m | Cable, Electrical 8/4 | |
| 2 | 4460963 | 1 | Plug, Female | |
| 3 | 4460962 | 1 | Plug, Male | |
| 4 | 1001161045 | 1 | Turntable 4000W Generator Cable Harness | |
| 4 | 1001131969 | 14 ft /4.27m | Cable, Electrical 8/4 | |
| 4 | 4460963 | 1 | Plug, Female | |
| 5 | 1671092 | 1 | Cover, Male Connector | |
| 6 | 1671093 | 1 | Cover, Female Connector | |

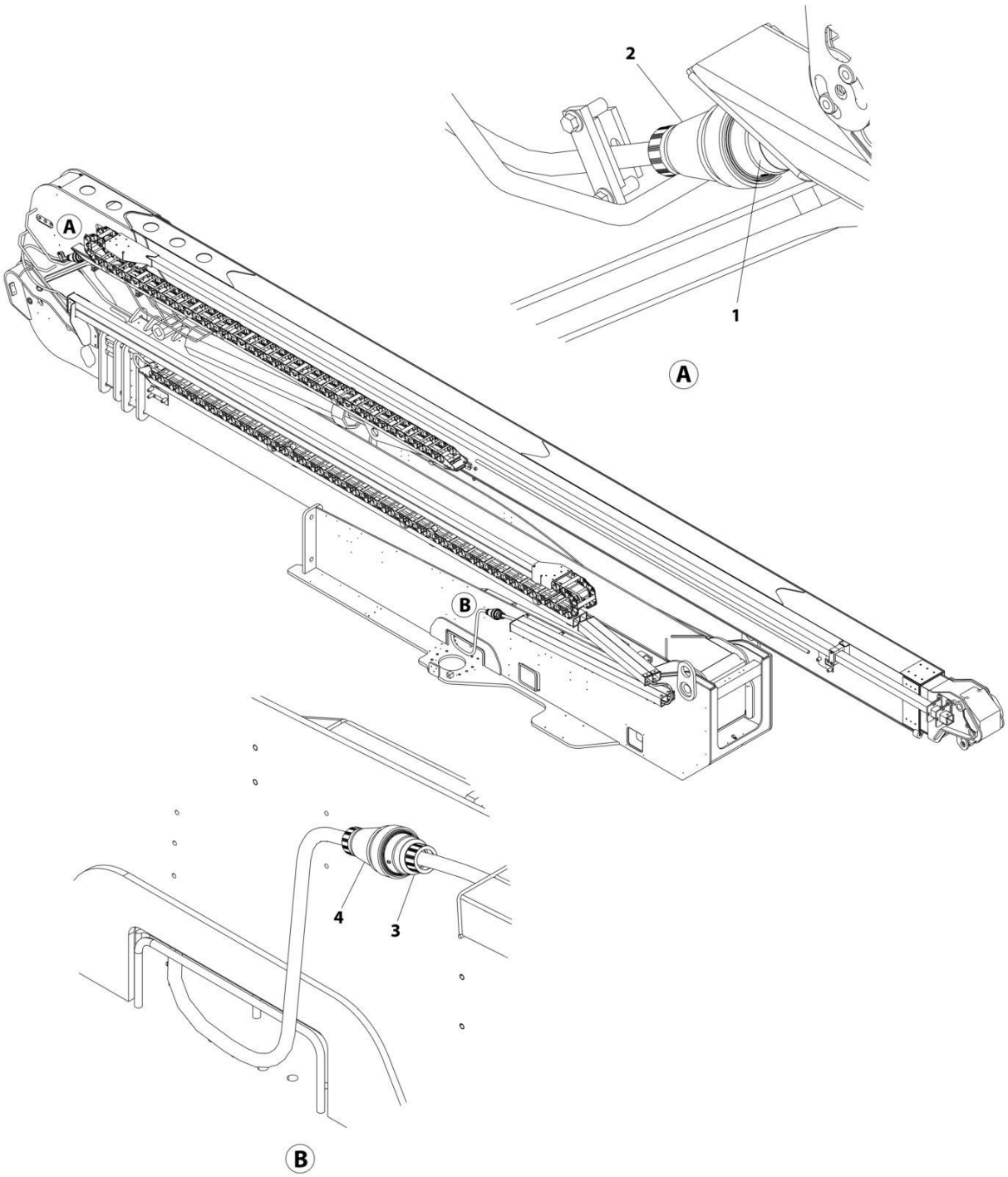
## FIGURE 8-31. BOOM CABLE INSTALLATION - 4000W 50HZ GENERATOR



## FIGURE 8-31. BOOM CABLE INSTALLATION - 4000W 50HZ GENERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001180951 | Ref | BOOM CABLE INSTALLATION - 4000W 50HZ GENERATOR | B |
| 1 | 1001227935 | 1 | Tower Boom AC Cable Harness | |
| 1 | 1001213585 | 1 | Receptacle, Female | |
| 2 | 1001227936 | 1 | Main Boom AC Cable Harness | |
| 2 | 1001213584 | 1 | Plug, Male | |

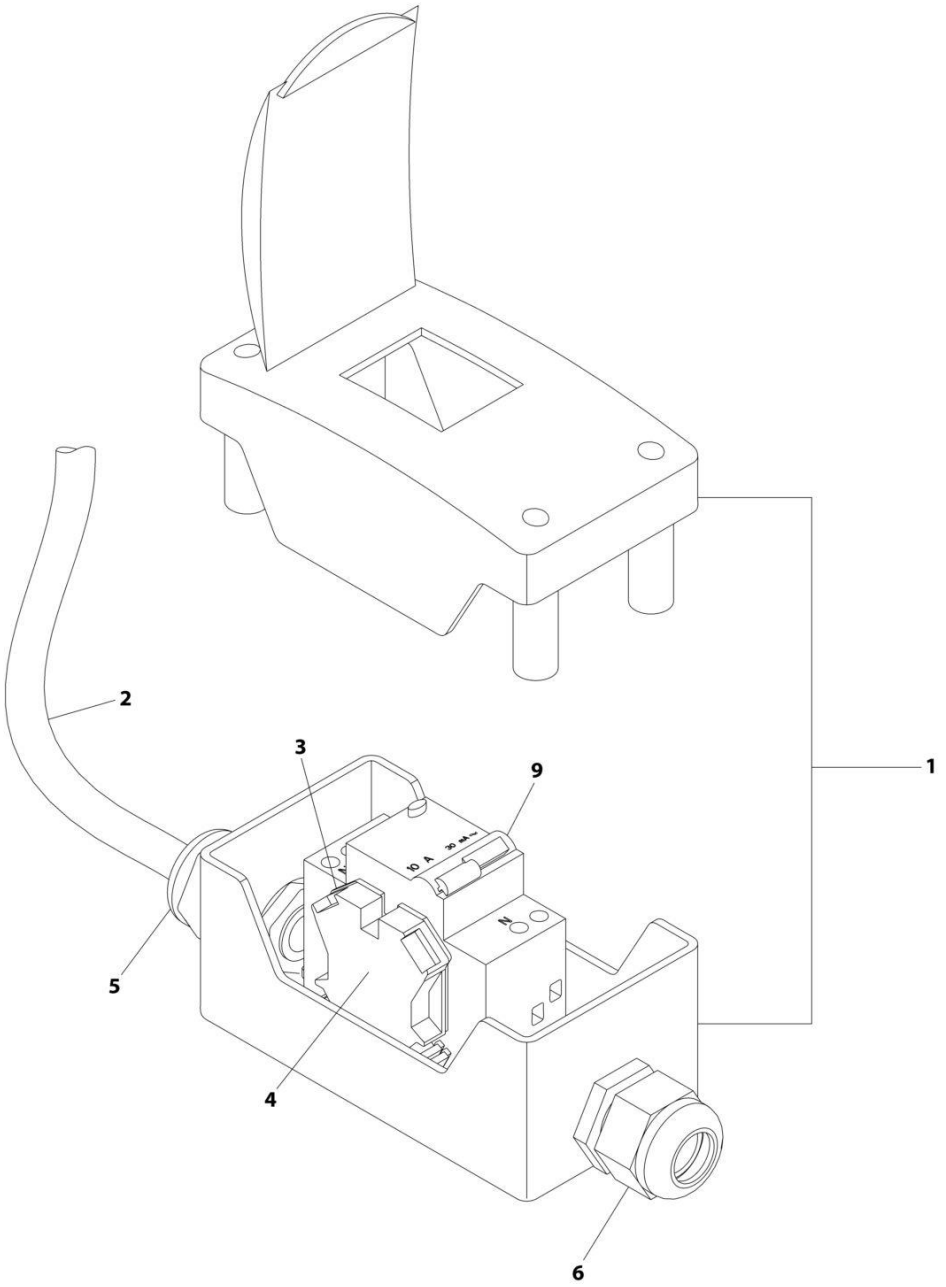
## FIGURE 8-32. BOOM CABLE INSTALLATION - 7500W GENERATOR



## FIGURE 8-32. BOOM CABLE INSTALLATION - 7500W GENERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 0273476 | Ref | BOOM CABLE INSTALLATION - 7500W GENERATOR | D |
| 1 | 1001226294 | 1 | Main Boom SkyPower Cable Harness | |
| 1 | 1001218622 | 1 | Plug, Male | |
| 2 | 1001226293 | 1 | Tower Boom SkyPower Cable Harness | |
| 2 | 1001218623 | 1 | Plug, Female | |
| 3 | 1001218622 | 1 | Plug, Male | |
| 4 | 1001226306 | 1 | Turntable SkyPower Cable Harness | |
| 4 | 1001218623 | 1 | Plug, Female | |

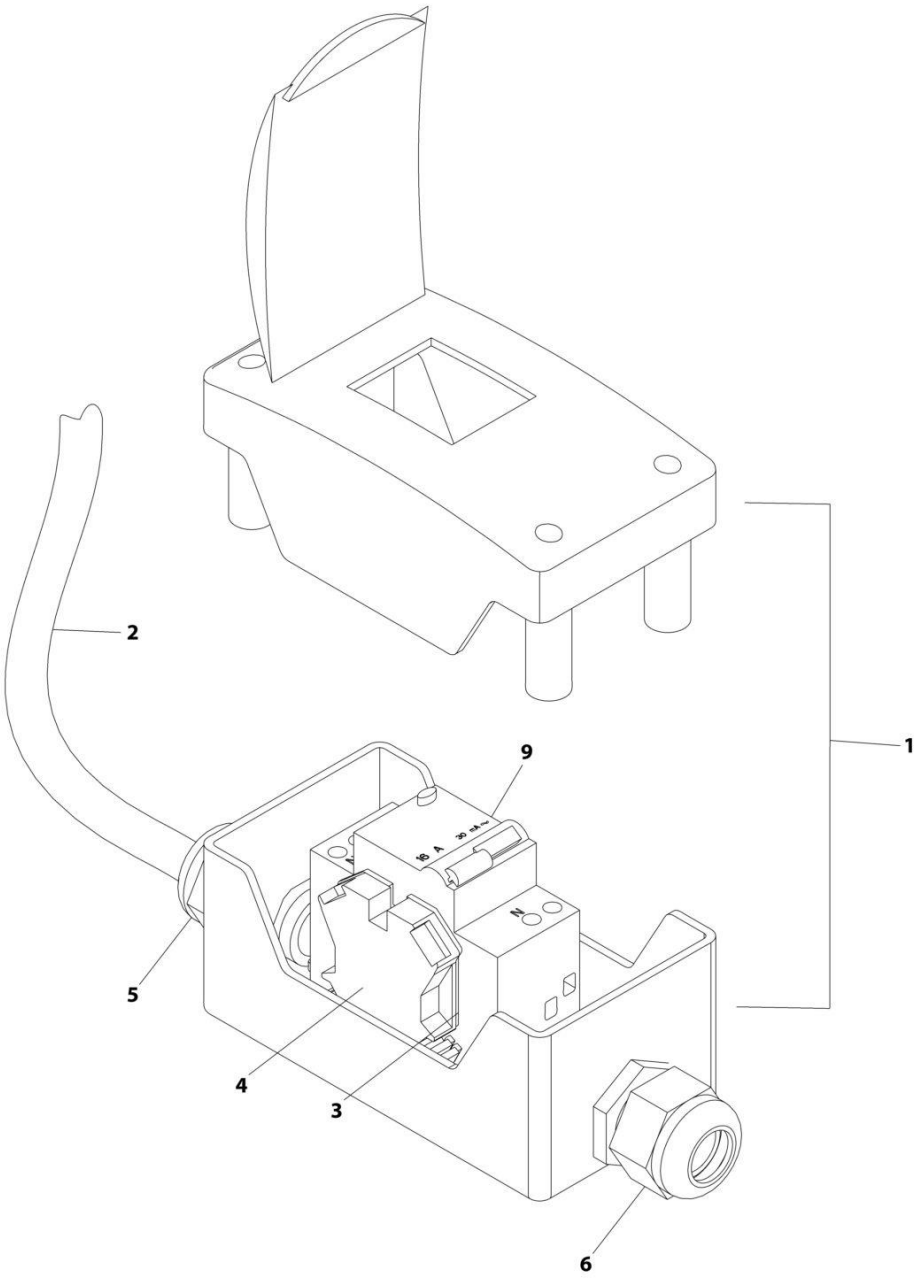
## FIGURE 8-33. BREAKER BOX KIT - 10 AMP (2500W GENERATOR)



## FIGURE 8-33. BREAKER BOX KIT - 10 AMP (2500W GENERATOR)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001109648 | Ref | BREAKER BOX KIT - 10 AMP (2500W GENERATOR) | B |
| 1 | 0861880 | 1 | Box, Breaker | |
| 2 | 1060908 | 12 ft /3.6m | Cable, Electrical 12/3 | |
| 3 | 4460956 | 1 | Barrier, Terminal Block End | |
| 4 | 4460957 | 1 | Block, Terminal | |
| 5 | 1001097150 | 1 | Connector, Strain Relief | |
| 6 | 1001101191 | 1 | Connector, Strain Relief | |
| 9 | 1001181046 | 1 | Breaker 30mA/16Amp | |

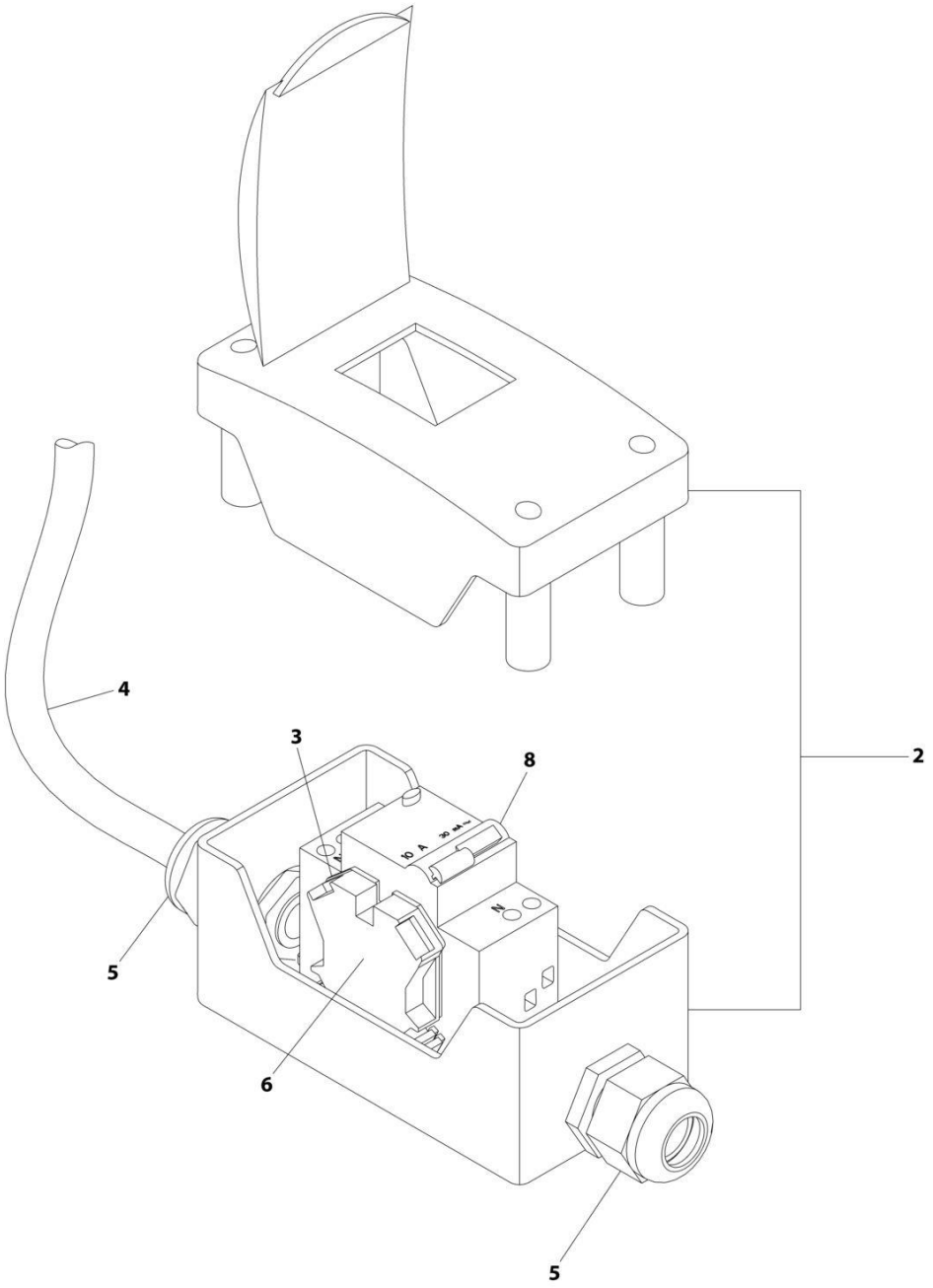
## FIGURE 8-34. BREAKER BOX KIT - 16 AMP (2500W GENERATOR)



## FIGURE 8-34. BREAKER BOX KIT - 16 AMP (2500W GENERATOR)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001109654 | Ref | BREAKER BOX KIT | C |
| 1 | 0861880 | 1 | Box, Breaker | |
| 2 | 1060908 | 12 ft/ 3.6m | Cable 12/3 | |
| 3 | 4460956 | 1 | Barrier, Terminal Block End | |
| 4 | 4460957 | 1 | Block, Terminal | |
| 5 | 1001097150 | 1 | Connector, Strain Relief | |
| 6 | 1001101191 | 1 | Connector, Strain Relief | |
| 9 | 1001181045 | 1 | Breaker - 30mA/16Amp | |
| 10 | 1001100231 | 3 | Terminal (Not Shown) | |

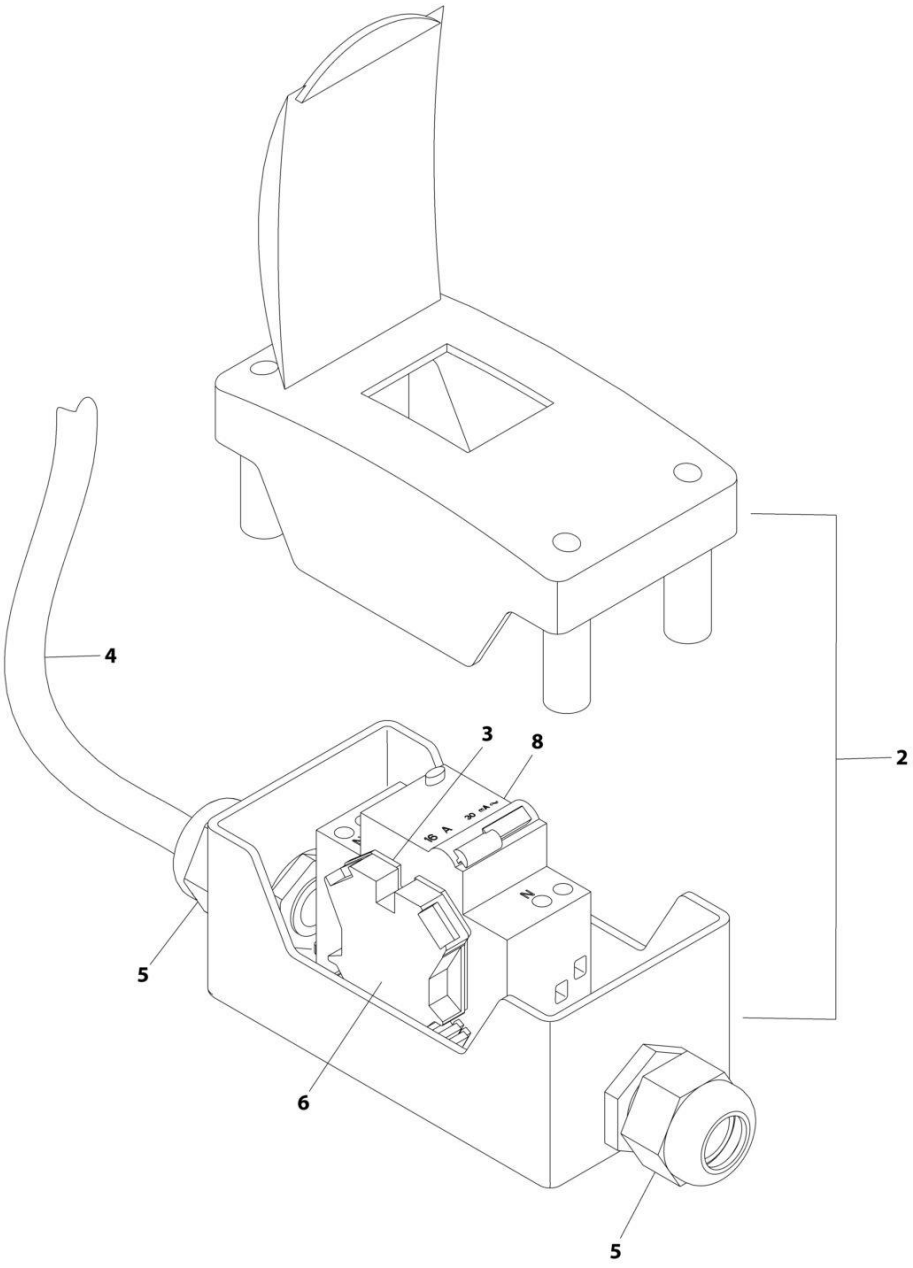
## FIGURE 8-35. BREAKER BOX KIT - 16 AMP (4000W GENERATOR)



## FIGURE 8-35. BREAKER BOX KIT - 16 AMP (4000W GENERATOR)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001165368 | Ref | BREAKER BOX KIT | B |
| 2 | 0861880 | 1 | Box, Circuit Breaker | |
| 3 | 4460956 | 1 | Barrier, Terminal Block End | |
| 4 | 1060545 | 12 ft/ 3.6m | Cable, Electrical 10/3 | |
| 5 | 1001101191 | 2 | Connector, Strain Relief | |
| 6 | 4460957 | 1 | Block, Terminal | |
| 8 | 1001181045 | 1 | Breaker 30mA/16Amp | |

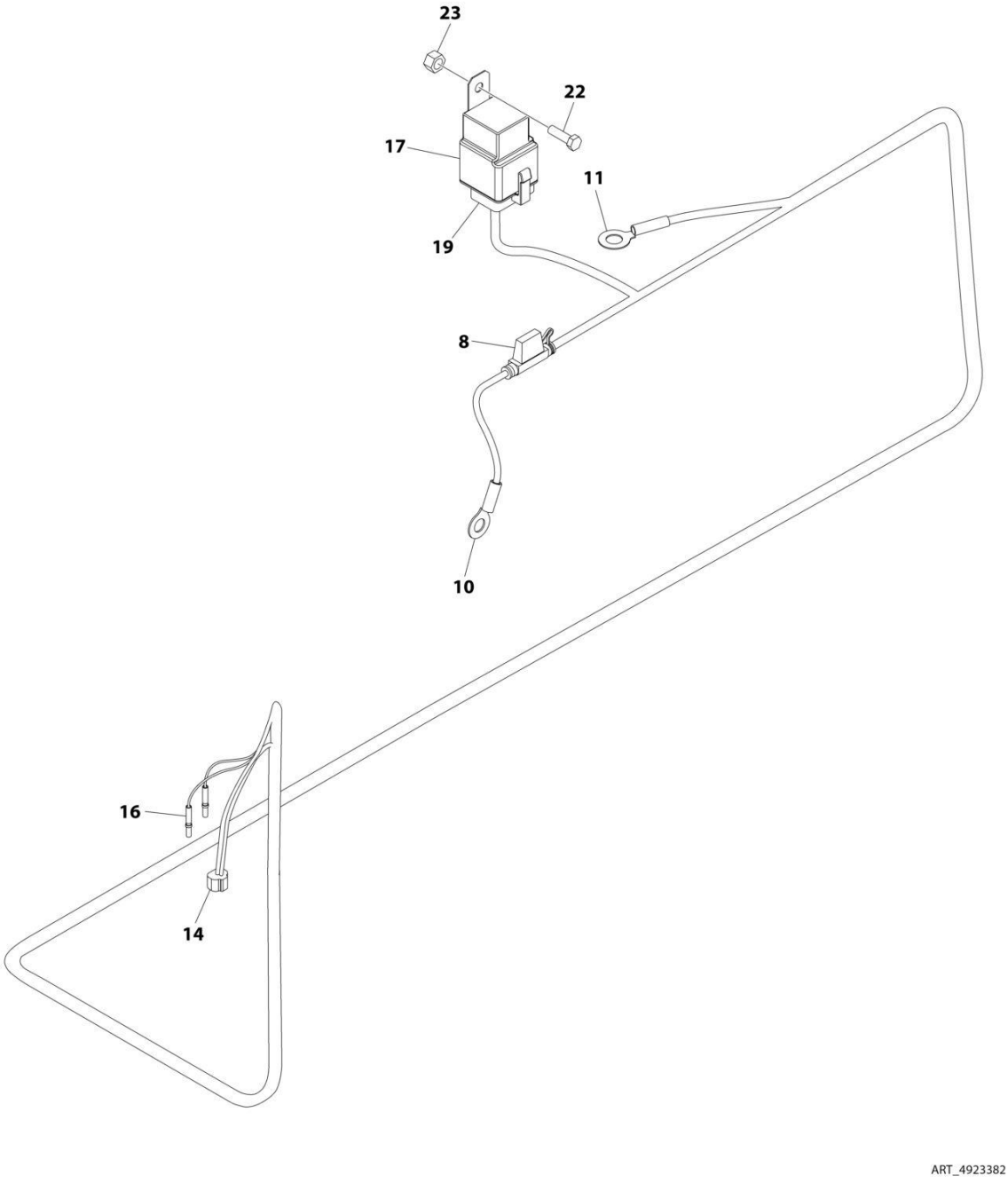
## FIGURE 8-36. BREAKER BOX KIT - 30MA/16 AMP (WITHOUT GENERATOR)



## FIGURE 8-36. BREAKER BOX KIT - 30MA/16 AMP (WITHOUT 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 | |

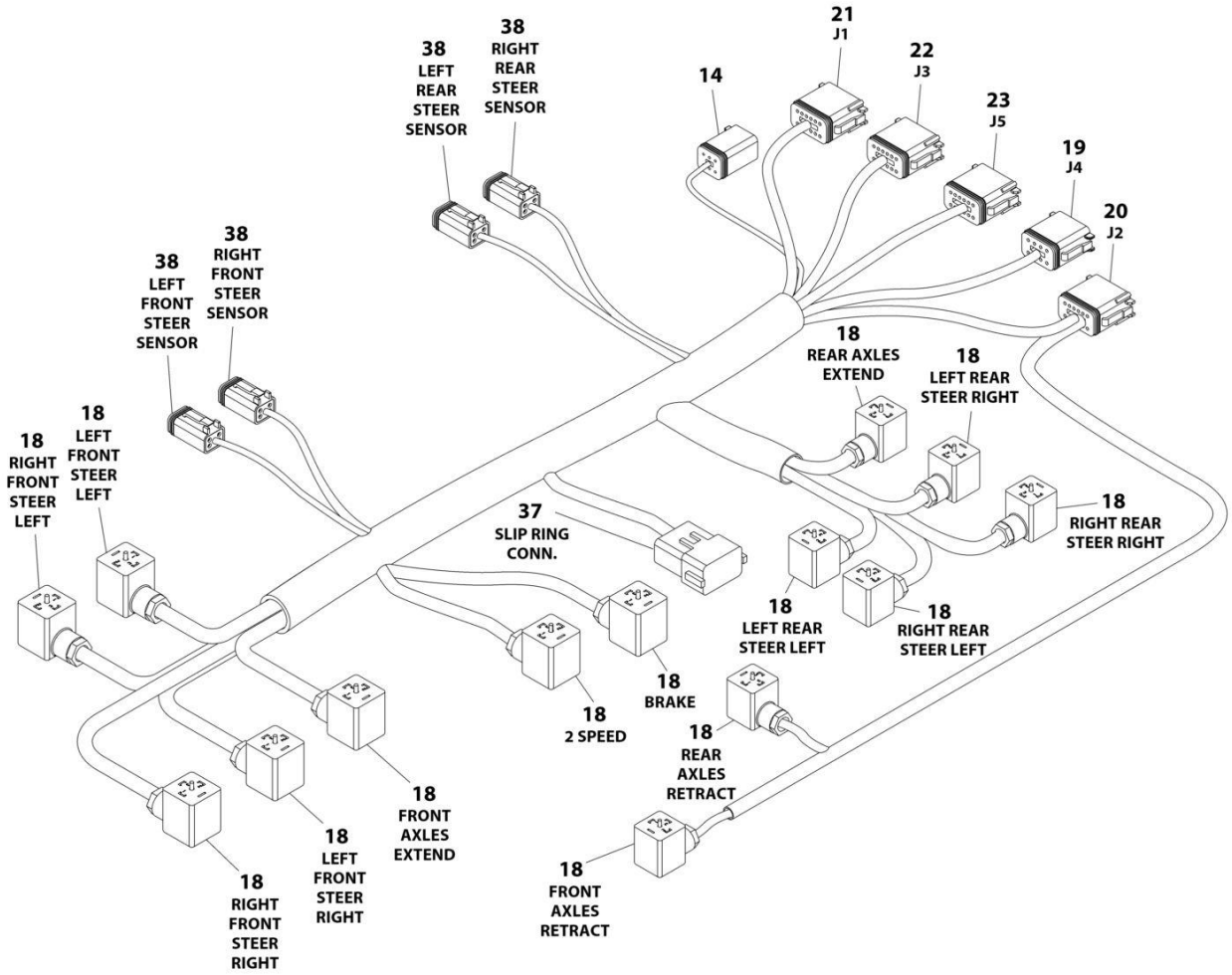
## FIGURE 8-37. CHASSIS POWER DISTRIBUTION HARNESS



## FIGURE 8-37. CHASSIS POWER DISTRIBUTION HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923382 | Ref | CHASSIS POWER DISTRIBUTION HARNESS | E |
| 8 | 2400066 | 1 | Fuseholder | |
| 8 | 2400065 | 1 | Fuse 30 Amp | |
| 9 | 4240032 | 3 | Tie-Strap (Not Shown) | |
| 10 | 4460019 | 1 | Terminal, Eyelet | |
| 11 | 4460256 | 1 | Terminal, Eyelet | |
| 14 | 4460897 | 1 | Connector - 2 Position | |
| 14 | 4460464 | 2 | Pin, Male | |
| 16 | 4460942 | 2 | Socket, Female | |
| 17 | 3740080 | 1 | Relay | |
| 19 | 4460374 | 1 | Plug, Sealed | |
| 19 | 4460375 | 5 | Terminal | |
| 19 | 0100048 | AR | Lubricant, Silicone | |
| 22 | 0641408 | 1 | Bolt 1/4 x 1 | |
| 23 | 3311405 | 1 | Nut 1/4 | |

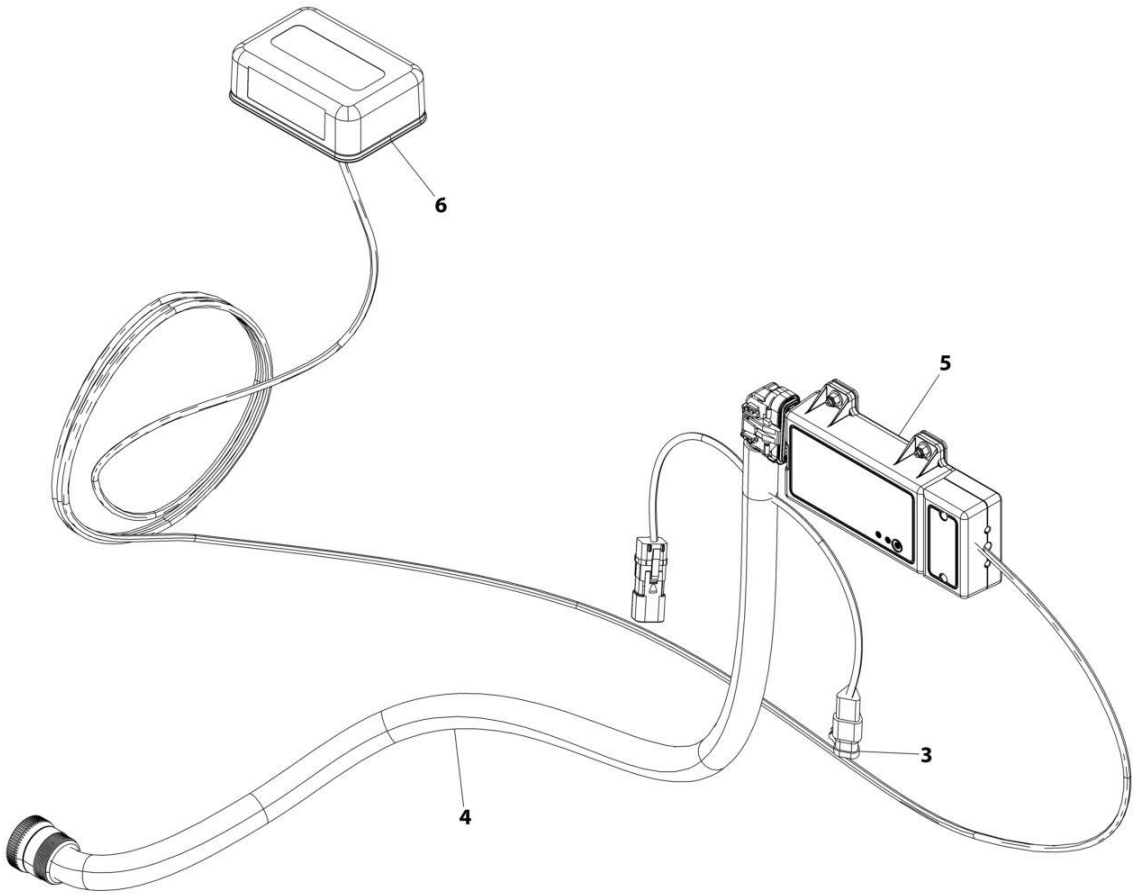
## FIGURE 8-38. CHASSIS HARNESS ASSEMBLY



## FIGURE 8-38. CHASSIS HARNESS ASSEMBLY

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922696 | Ref | CHASSIS HARNESS ASSEMBLY | D |
| 14 | 4460894 | 1 | Connector - 6 Position | |
| 14 | 4460465 | 6 | Socket, Female | |
| 14 | 4460892 | 1 | Connector - 6 Position Buss Bar | |
| 17 | 4460894 | 1 | Connector - 6 Position (Not Shown) | |
| 17 | 4460465 | 6 | Socket, Female | |
| 17 | 4460892 | 1 | Connector - 6 Position Buss Bar | |
| 18 | 4460880 | 14 | DIN Connector | |
| 19 | 4460930 | 1 | Connector - 8 Position (Gray) | |
| 19 | 4460465 | 1 | Socket, Female | |
| 19 | 4460466 | 7 | Plug, Terminal | |
| 20 | 4460836 | 1 | Connector - 12 Position (Black) | |
| 20 | 4460465 | 6 | Socket, Female | |
| 20 | 4460466 | 6 | Plug, Terminal | |
| 21 | 4460933 | 1 | Connector - 12 Position (Gray) | |
| 21 | 4460465 | 8 | Socket, Female | |
| 21 | 4460466 | 4 | Plug, Terminal | |
| 22 | 4460934 | 1 | Connector - 12 Position (Green) | |
| 22 | 4460944 | 12 | Socket, Female | |
| 23 | 4460935 | 1 | Connector - 12 Position (Brown) | |
| 23 | 4460465 | 8 | Socket, Female | |
| 25 | 4240032 | 10 | Tie-Strap (Not Shown) | |
| 26 | 4240033 | 15 | Tie-Strap (Not Shown) | |
| 37 | 4460950 | 1 | Connector - 12 Position | |
| 37 | 4460464 | 6 | Pin, Male | |
| 37 | 4460943 | 3 | Pin, Male | |
| 37 | 4460941 | 2 | Pin, Male | |
| 38 | 4460884 | 4 | Connector - 4 Position (Gray) | |
| 38 | 4460944 | 16 | Socket, Female | |

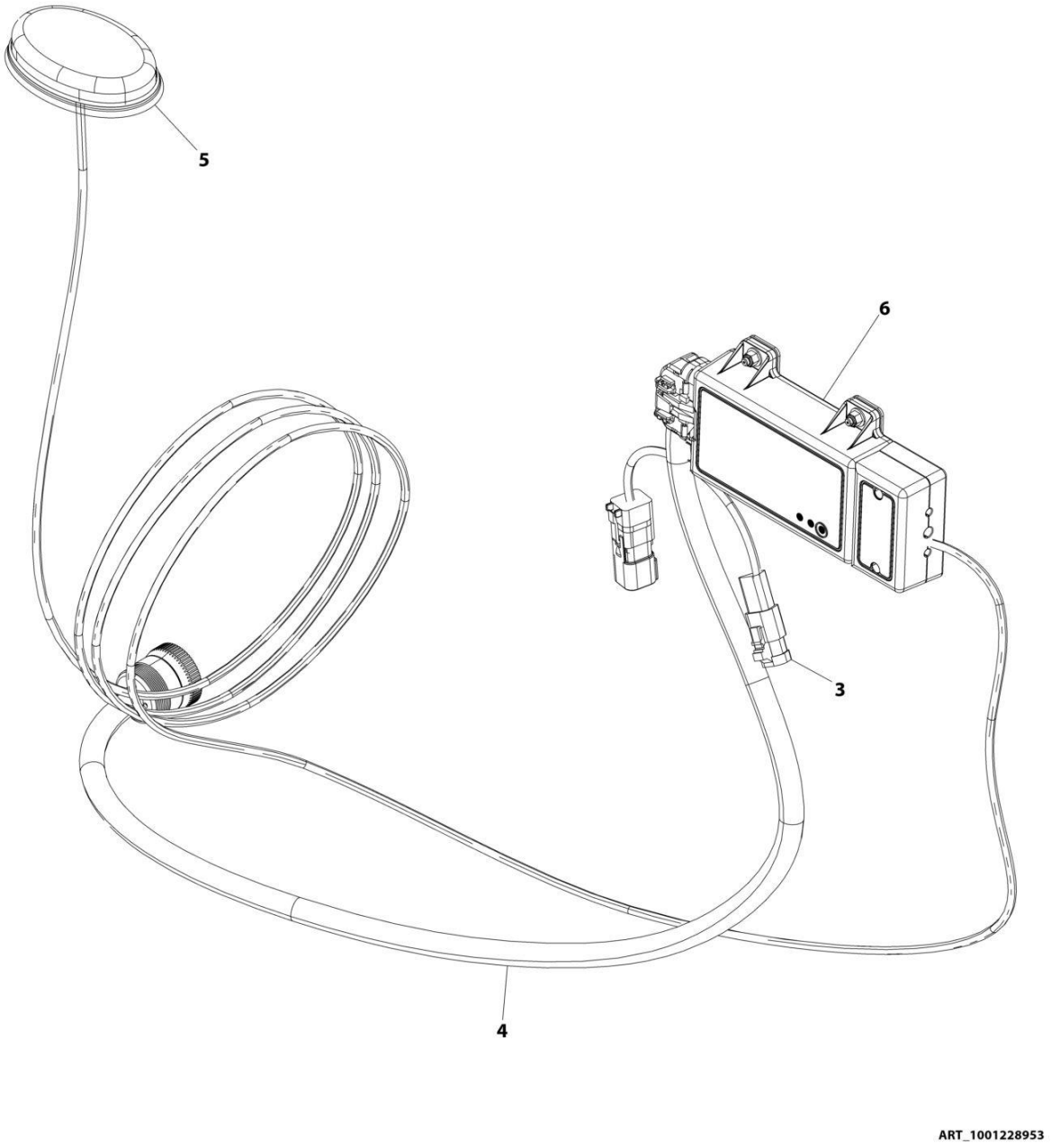
## FIGURE 8-39. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)



## FIGURE 8-39. CLEARSKY INSTALLATION - 4G CANBUS CONNECTION (ALL SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001227449 | REF | CLEARSKY INSTALLATION CANBUS CONNECTION | B |
| 1 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 2 | 4460234 | AR | Strap, Cable -Tie (Not Shown) | |
| 3 | 1001129408 | 1 | Connector | |
| 4 | 1001226739 | 1 | ClearSky Harness (See Separate Breakdown in this Section) | |
| 5 | 1001262322 | 1 | Telematics Control Module (Note: Re-calibration Required when Replaced) | |
| 6 | 1001262327 | 1 | Antenna | |

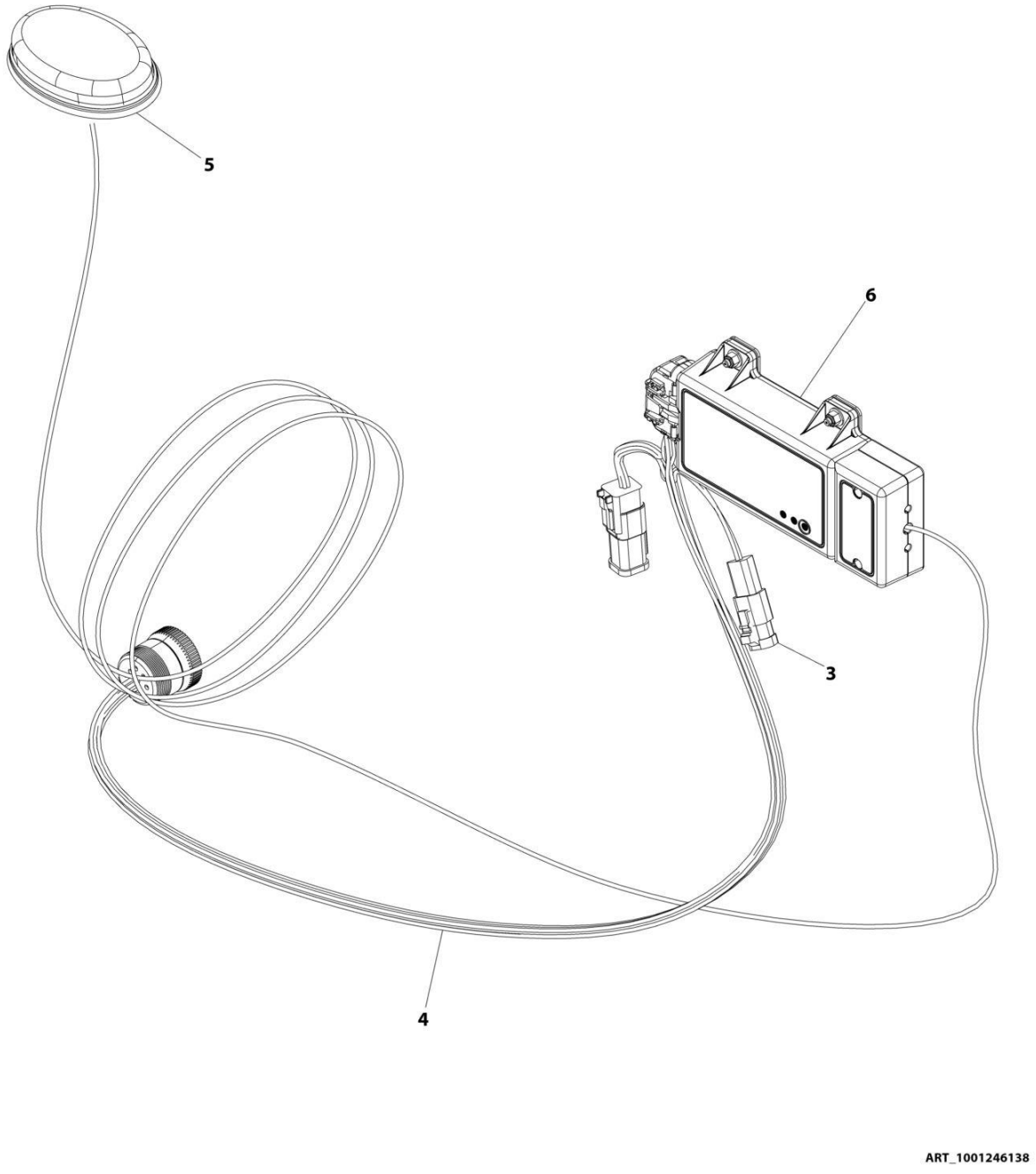
## FIGURE 8-40. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT AND CE SPECS)



## FIGURE 8-40. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (ANSI EXPORT AND CE SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228953 | REF | CLEARSKY INSTALLATION CANBUS CONNECTION | A |
| 1 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 2 | 4460234 | AR | Strap, Cable Tie (Not Shown) | |
| 3 | 1001129408 | 1 | Connector | |
| 4 | 1001226739 | 1 | ClearSky Harness (See Separate Breakdown in this Section) | |
| 5 | 1001226799 | 1 | Antenna | |
| 6 | 1001228954 | 1 | Telematics Control Module (Note: Re-calibration Required when Replaced) | |

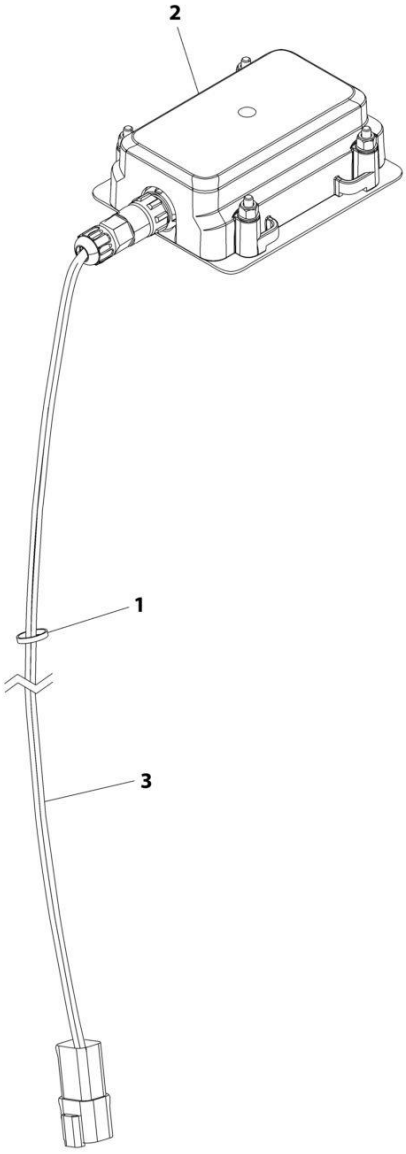
## FIGURE 8-41. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (AUSTRALIAN SPECS)



## FIGURE 8-41. CLEARSKY INSTALLATION - 3G CANBUS CONNECTION (AUSTRALIAN SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001246138 | REF | CLEARSKY INSTALLATION CANBUS CONNECTION | A |
| 1 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 2 | 4460234 | AR | Strap, Cable -Tie (Not Shown) | |
| 3 | 1001129408 | 1 | Connector | |
| 4 | 1001226739 | 1 | ClearSky Harness (See Separate Breakdown in this Section) | |
| 5 | 1001226799 | 1 | Antenna | |
| 6 | 1001246144 | 1 | Telematics Control Module (Note: Re-calibration Required when Replaced) | |

## FIGURE 8-42. CLEARSKY INSTALLATION 3-WIRE CONNECTION (ALL SPECS)

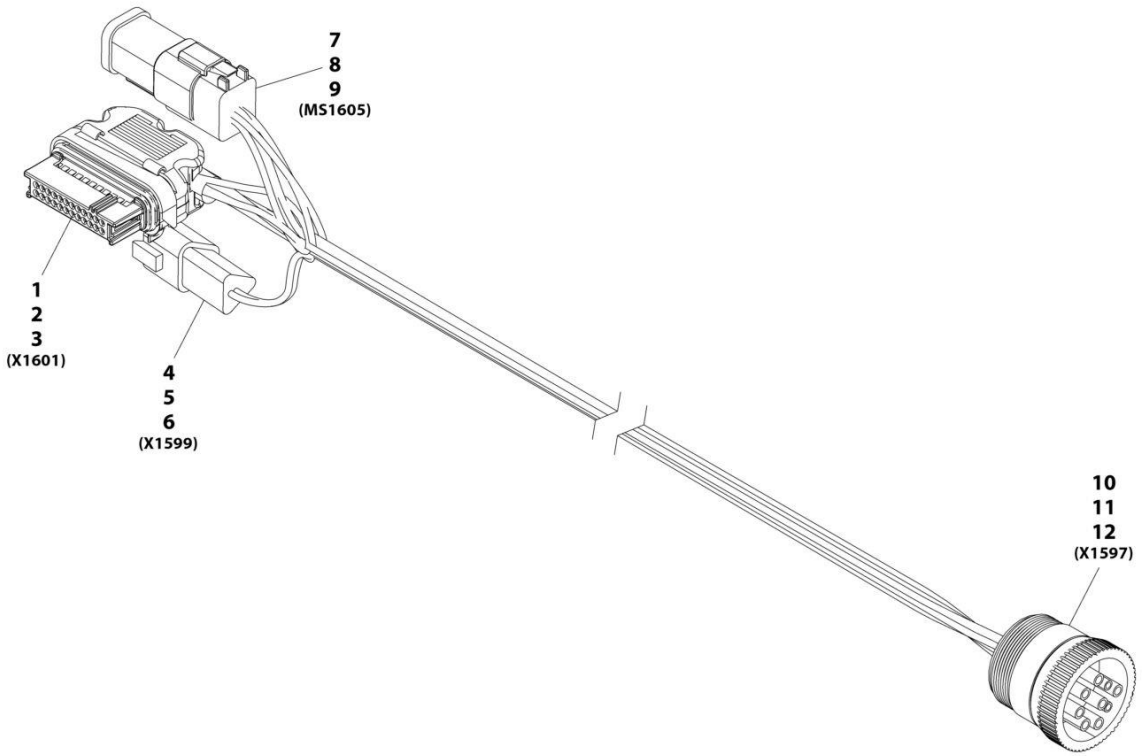



ART_1001276610

## FIGURE 8-42. CLEARSKY INSTALLATION 3-WIRE CONNECTION (ALL SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001276610 | Ref | CLEARSKY INSTALLATION 3-WIRE CONNECTION | A |
| 1 | 4240032 | AR | Tie-Strap | |
| 2 | 1001272659 | 1 | Telematics Control Module Assembly (Note: Re-calibration Required when Replaced) | |
| 3 | 1001273012 | 1 | ClearSky Harness (See Separate Breakdown in this Section) | |

## FIGURE 8-43. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

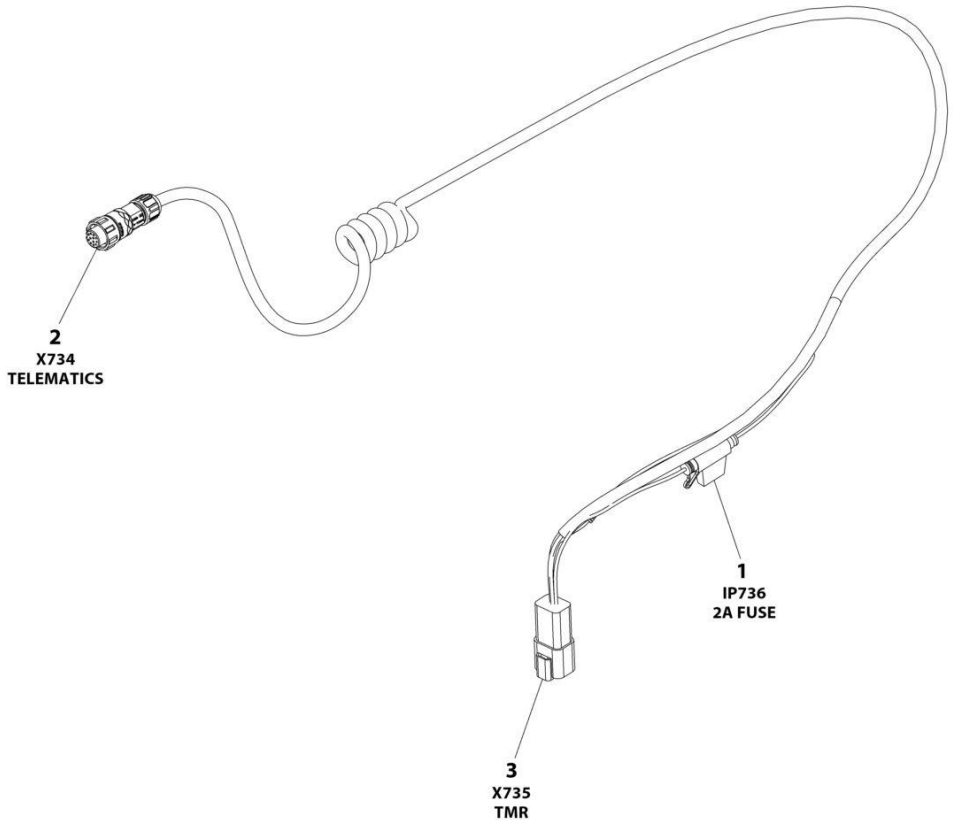



ART_1001226739-A

## FIGURE 8-43. CLEARSKY HARNESS - 3G & 4G CANBUS CONNECTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001226739 | Ref | Clearsky Harness | A |
| 1 | 1001226636 | 1 | Connector | |
| 2 | 1001116731 | 16 | Plug, Terminal | |
| 3 | 1001226637 | 8 | Terminal | |
| 4 | 1001144147 | 1 | Connector | |
| 5 | 4460464 | 2 | Terminal | |
| 6 | 4460466 | 1 | Plug, Terminal | |
| 7 | 4460894 | 1 | Connector | |
| 8 | 4460465 | 6 | Terminal | |
| 9 | 1001226541 | 1 | Connector- 6 Pin Bussbar | |
| 10 | 1001112796 | 1 | Connector | |
| 11 | 4460465 | 8 | Terminal | |
| 12 | 4460466 | 1 | Plug, Terminal | |

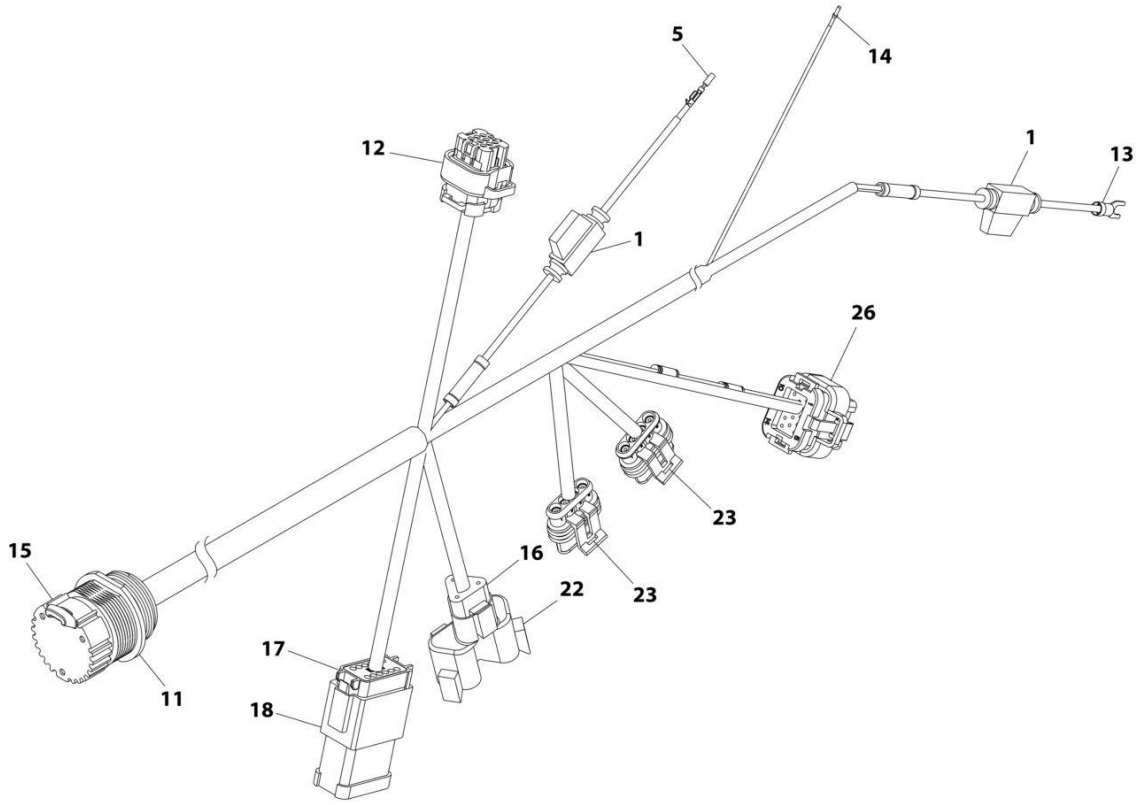
## FIGURE 8-44. CLEARSKY HARNESS - 3 WIRE GT1030



## FIGURE 8-44. CLEARSKY HARNESS - 3 WIRE GT1030

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001273012 | Ref | CLEARSKY TELEMATICS HARNESS - GT1030 | D |
| 1 | 1001255901 | 1 | Fuseholder | |
| 1 | 1001196634 | 1 | Fuse - 2Amp | |
| 2 | 1001272997 | 1 | Connector - 12 Position | |
| 2 | | Ref | Terminal | |
| 3 | 4460932 | 1 | Receptacle, Female - 4 Position | |
| 3 | 4460464 | 4 | Pin, Male | |

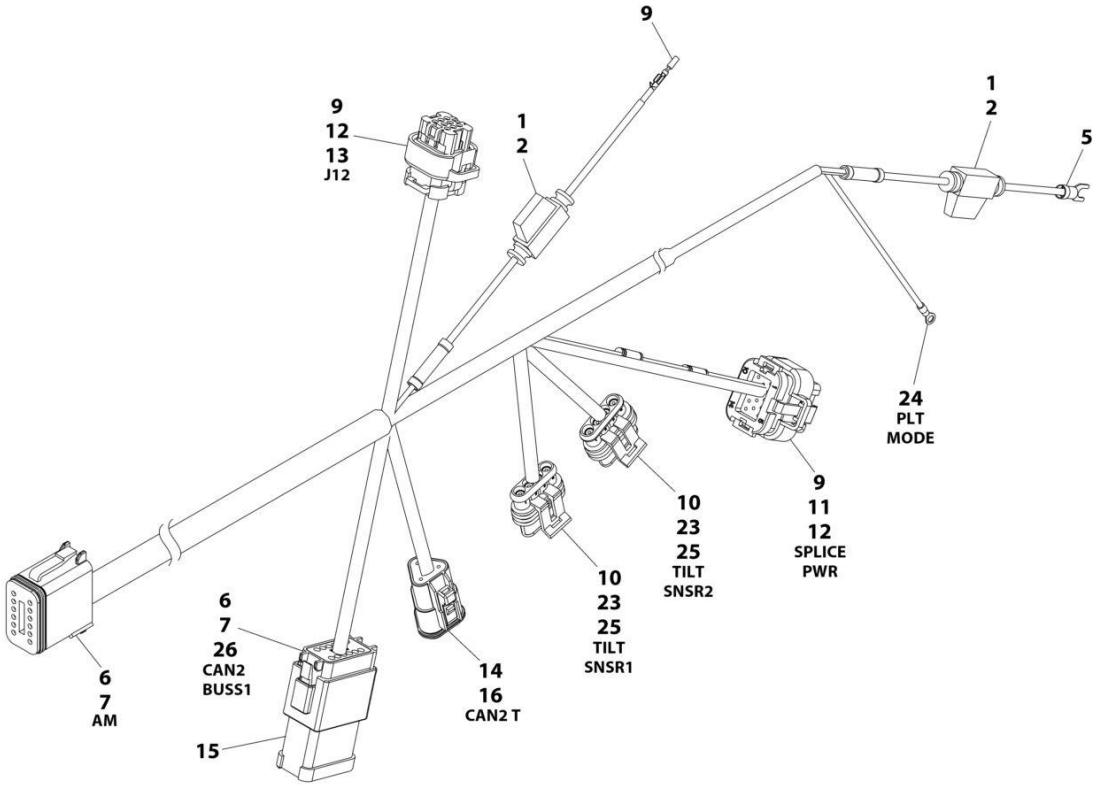
## FIGURE 8-45. CLEARSKY READY HARNESS (DEUTZ TD2011, DEUTZ TCD2.9L4 & DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



## FIGURE 8-45. CLEARSKY READY HARNESS (DEUTZ TD2011, DEUTZ TCD2.9L4 & DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001279488 | Ref | CLEARSKY READY HARNESS | A |
| 1 | 2400060 | 2 | Fuseholder with Cover | |
| 1 | 2400064 | 2 | Fuse 5Amp | |
| 5 | 4460871 | 1 | Socket, Female | |
| 11 | 1001112612 | 1 | Connector - 9 Position | |
| 11 | 4460464 | 6 | Pin, Male | |
| 11 | 4460466 | 3 | Plug, Sealing | |
| 12 | 1001113961 | 1 | Connector - 8 Position | |
| 12 | 4460871 | 5 | Socket, Female | |
| 12 | 4460905 | 3 | Plug, Sealing | |
| 13 | 4460183 | 1 | Terminal, Connector | |
| 14 | 4460465 | 1 | Socket, Female | |
| 15 | 1001106736 | 1 | Cap, Dust | |
| 16 | 1001116812 | 1 | Connector - 3 Position | |
| 16 | 4460944 | 3 | Pin, Male | |
| 17 | 4460933 | 1 | Connector - 12 Position | |
| 17 | 4460465 | 12 | Socket, Female | |
| 18 | 1001119020 | 1 | Terminal, Connector | |
| 22 | 4460945 | 1 | Connector, Female - 3 Way | |
| 23 | 1001103012 | 2 | Connector - 4 Position | |
| 23 | 1001104498 | 8 | Terminal, Wire Seal | |
| 23 | 1001107854 | 8 | Terminal, AMP Superseal Socket | |
| 26 | 1001246859 | 1 | Connector - 14 Position | |
| 26 | 4460871 | 5 | Terminal, Socket | |
| 26 | 4460905 | 9 | Plug, Sealing | |

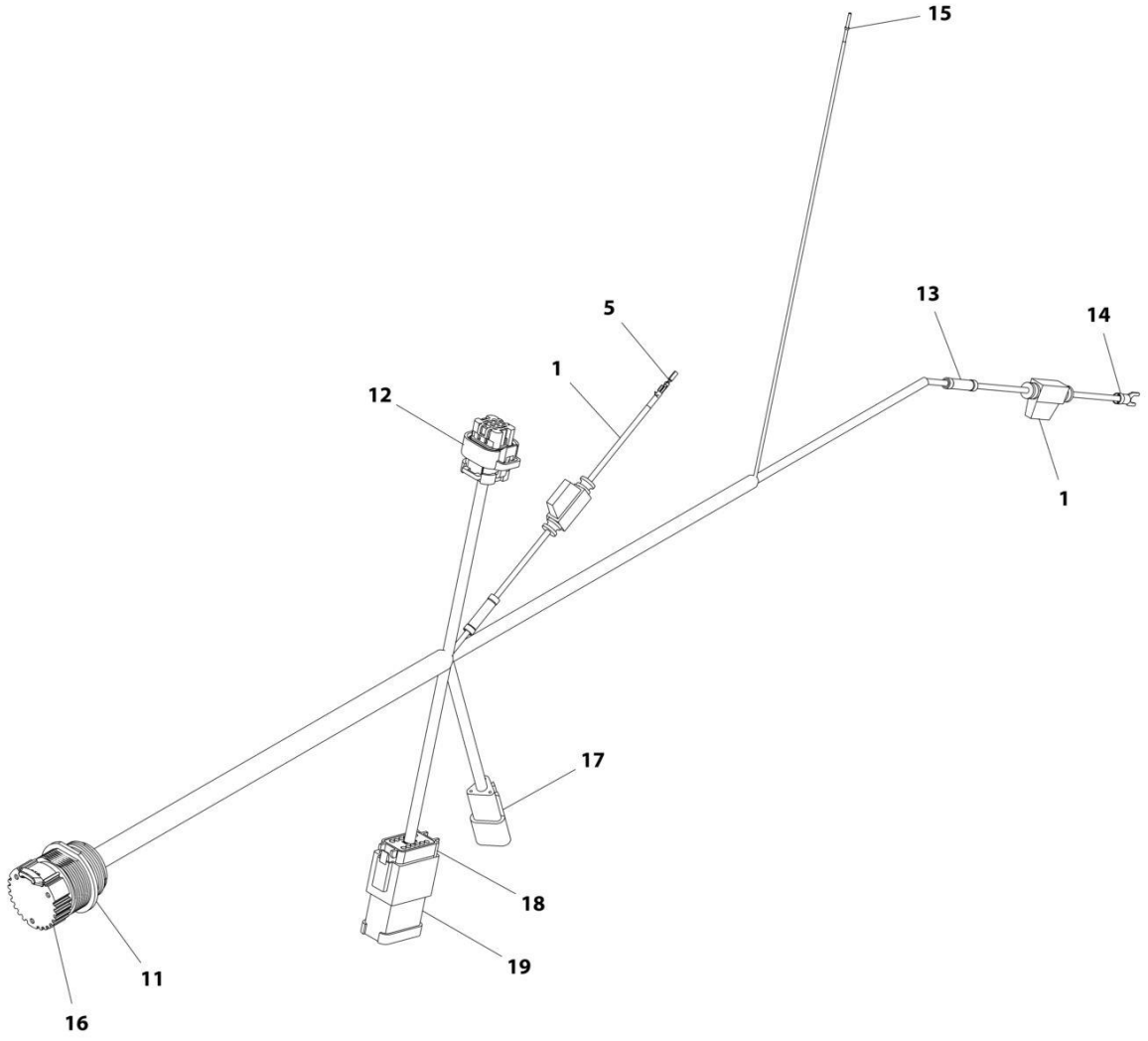
**FIGURE 8-46. CLEARSKY READY HARNESS (DEUTZ TD2011, DEUTZ TCD2.9L4 & DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES) (SN 0300298203 to Present, SN 0300287801 through 0300287807)**



## FIGURE 8-46. CLEARSKY READY HARNESS (DEUTZ TD2011, DEUTZ TCD2.9L4 & DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001288111 | Ref | CLEARSKY READY HARNESS | B |
| 1 | 1001255901 | 2 | Fuseholder with Cover | |
| 2 | 2400064 | 2 | Fuse 5Amp | |
| 5 | 4460183 | 1 | Terminal, Fork | |
| 6 | 4460933 | 2 | Connector | |
| 7 | 4460465 | 21 | Socket | |
| 9 | 4460871 | 15 | Socket | |
| 10 | 1001103012 | 2 | Connector | |
| 11 | 1001246859 | 1 | Connector | |
| 12 | 4460905 | 8 | Plug | |
| 13 | 1001113961 | 1 | Connector | |
| 14 | 1001116812 | 1 | Connector | |
| 15 | 1001119020 | 1 | Terminal, Connector | |
| 16 | 4460944 | 3 | Pin, Male | |
| 23 | 1001104498 | 8 | Seal | |
| 24 | 4460313 | 1 | Terminal, Ring | |
| 25 | 1001107854 | 8 | Socket | |
| 26 | 4460466 | 3 | Plug | |

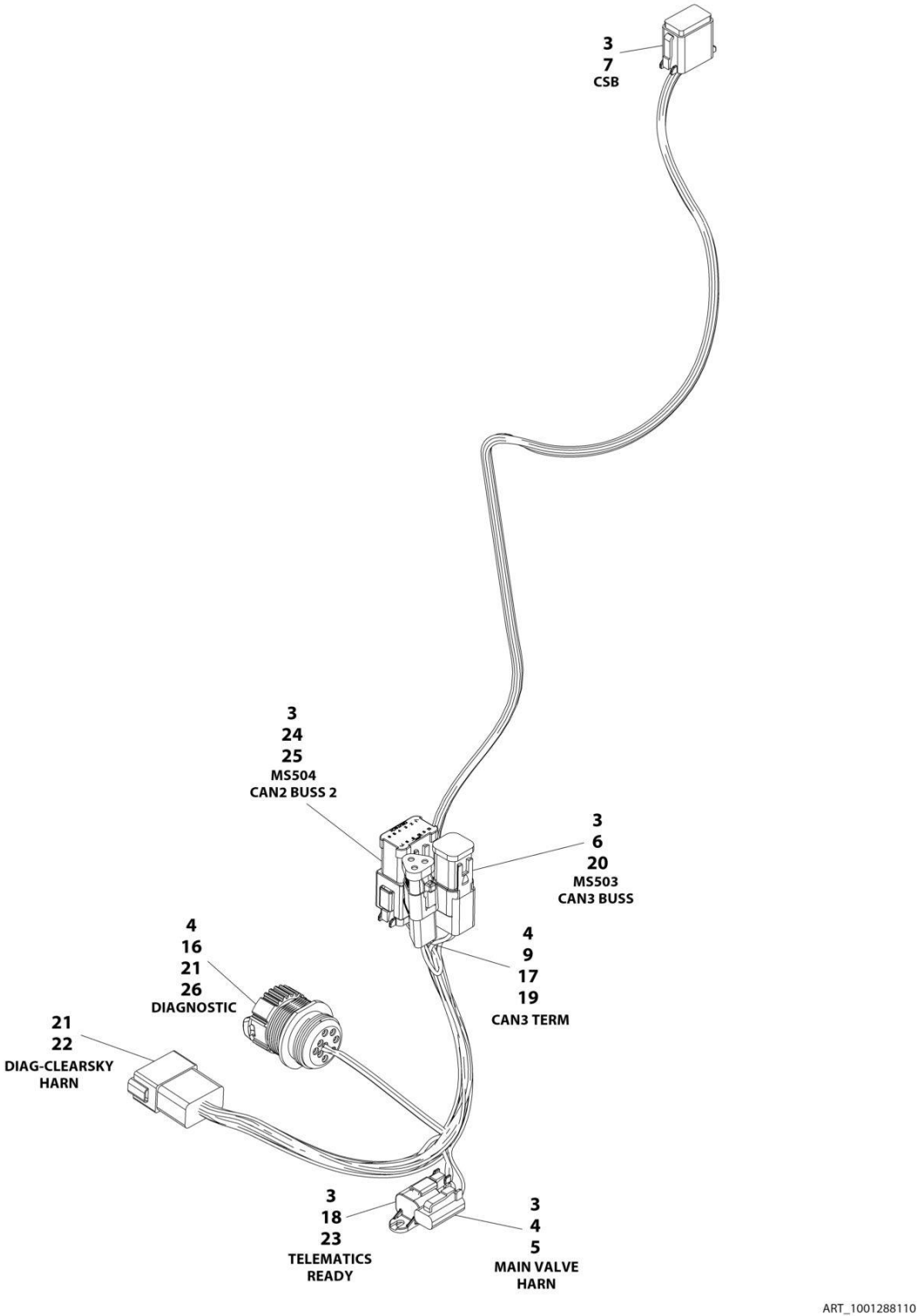
## FIGURE 8-47. CLEARSKY READY HARNESS (DEUTZ TCD2.9L4 (STAGE V) ENGINES )



## FIGURE 8-47. CLEARSKY READY HARNESS (DEUTZ TCD2.9L4 (STAGE V) ENGINES )

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001114438 | Ref | CLEARSKY READY HARNESS | A |
| 1 | 2400060 | 2 | Fuseholder with Cover | |
| 1 | 2400064 | 2 | Fuse 5Amp | |
| 5 | 4460871 | 1 | Socket, Female | |
| 11 | 1001112612 | 1 | Connector - 9 Position | |
| 11 | 4460464 | 6 | Pin, Male | |
| 11 | 4460466 | 3 | Plug, Sealing | |
| 12 | 1001113961 | 1 | Connector - 8 Position | |
| 12 | 4460871 | 5 | Socket, Female | |
| 12 | 4460905 | 5 | Plug, Sealing | |
| 13 | 4460035 | 2 | Terminal, Connector | |
| 14 | 4460183 | 1 | Terminal, Eyelet | |
| 15 | 4460465 | 1 | Socket, Female | |
| 16 | 1001106736 | 1 | Cap, Dust | |
| 17 | 4460536 | 1 | Connector - 3 Position | |
| 17 | 4460464 | 3 | Pin, Male | |
| 18 | 4460933 | 1 | Connector - 12 Position | |
| 18 | 4460465 | 9 | Socket, Female | |
| 18 | 4460466 | 3 | Plug, Sealing | |
| 19 | 4460898 | 1 | Connector Bussbar - 9 Position | |

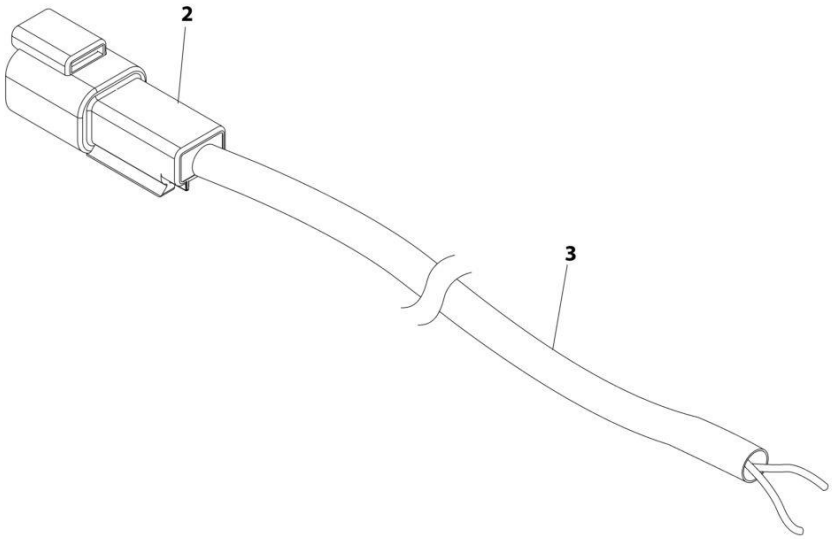
## FIGURE 8-48. DIAGNOSTIC HARNESS



## FIGURE 8-48. DIAGNOSTIC HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001288110 | Ref | DIAGNOSTIC HARNESS | B |
| 3 | 4460465 | 31 | Socket | |
| 4 | 4460466 | 5 | Plug | |
| 5 | 4460891 | 1 | Connector | |
| 6 | 4460894 | 1 | Connector | |
| 7 | 4460930 | 1 | Connector | |
| 9 | 4460943 | 2 | Pin | |
| 16 | 1001112612 | 1 | Connector | |
| 17 | 1001116815 | 1 | Connector | |
| 18 | 1001192401 | 1 | Connector | |
| 19 | 1001144147 | 1 | Pin | |
| 20 | 1001226541 | 1 | Connector | |
| 21 | 4460464 | 18 | Pin | |
| 22 | 4460970 | 1 | Connector | |
| 23 | 4460884 | 1 | Connector | |
| 24 | 4460933 | 1 | Connector | |
| 25 | 1001119020 | 1 | Connector | |
| 26 | 1001106736 | 1 | Cap, Dust | |

## FIGURE 8-49. DUAL CAPACITY JIB POSITION SWITCH HARNESS

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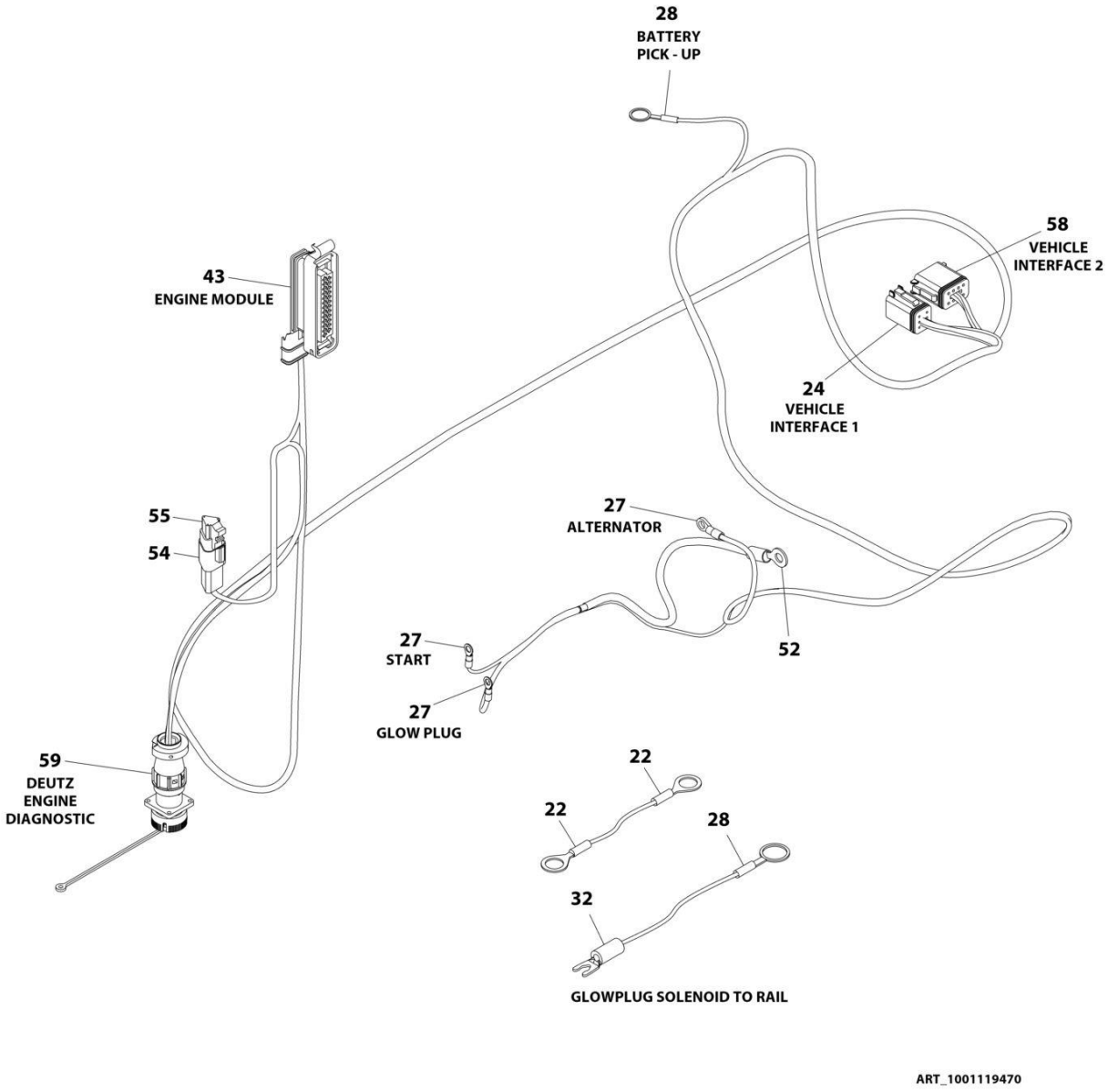
## FIGURE 8-49. DUAL CAPACITY JIB POSITION SWITCH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922785 | Ref | DUAL CAPACITY JIB POSITION SWITCH HARNESS | C |
| 2 | 4460897 | 1 | Connector - 2 Position | |
| 2 | 4460464 | 2 | Pin, Male | |
| 3 | 1060902 | 15 ft/ 4.5m | Cable, Electrical 18/2 | |

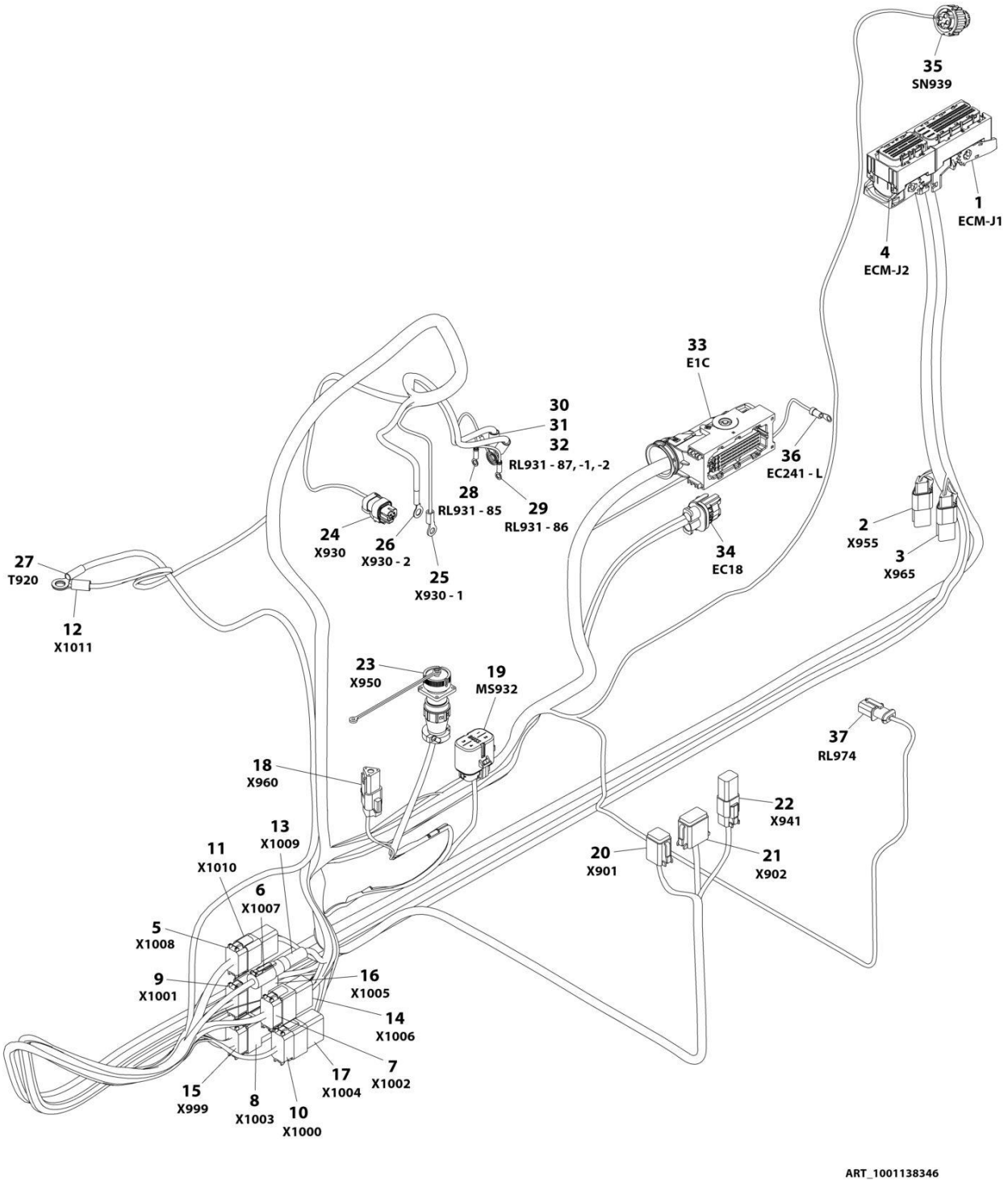
## FIGURE 8-50. ENGINE HARNESS - DEUTZ TD2011 ENGINES



## FIGURE 8-50. ENGINE HARNESS - DEUTZ TD2011 ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001119470 | Ref | ENGINE HARNESS - DEUTZ TD2011 ENGINES | B |
| 22 | 4460702 | 2 | Terminal, Eyelet | |
| 24 | 4460894 | 1 | Connector - 6 Position | |
| 24 | 4460465 | 2 | Socket, Female | |
| 24 | 4460466 | 1 | Plug, Terminal | |
| 24 | 4460944 | 3 | Socket, Female | |
| 27 | 4460313 | 3 | Terminal, Eyelet | |
| 28 | 4460019 | 2 | Terminal, Eyelet | |
| 32 | 4460315 | 1 | Terminal, Fork | |
| 43 | 4461052 | 1 | Connector - 25 Position | |
| 43 | 4461005 | 5 | Terminal | |
| 43 | 4461006 | 5 | Seal | |
| 43 | 4461060 | 2 | Terminal (Tin) | |
| 43 | 4461054 | 2 | Seal, Terminal | |
| 43 | 4461008 | 18 | Plug, Hole | |
| 43 | 4461053 | 1 | Cover, Plug | |
| 50 | 4240032 | AR | Tie-Strap (Not Shown) | |
| 51 | 4240033 | AR | Tie-Strap (Not Shown) | |
| 52 | 4461097 | 1 | Terminal, Eyelet | |
| 54 | 4461095 | 1 | Connector - 3 Position | |
| 54 | 4460944 | 3 | Socket, Female | |
| 55 | 4461070 | 1 | Connector with Resistor (3 Position) | |
| 58 | 4460930 | 1 | Connector - 8 Position | |
| 58 | 4460465 | 2 | Socket, Female | |
| 58 | 4460466 | 6 | Seal, Plug | |
| 59 | 2902443 | 1 | Kit, Receptacle | |
| 59 | 4461071 | 8 | Terminal, Female (Gold) | |
| 59 | 4461072 | 1 | Connector, Flange Mount | |
| 59 | 4461073 | 1 | Connector, Dust Cap | |
| 59 | 4461074 | 1 | Connector, Shell | |

## FIGURE 8-51. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES



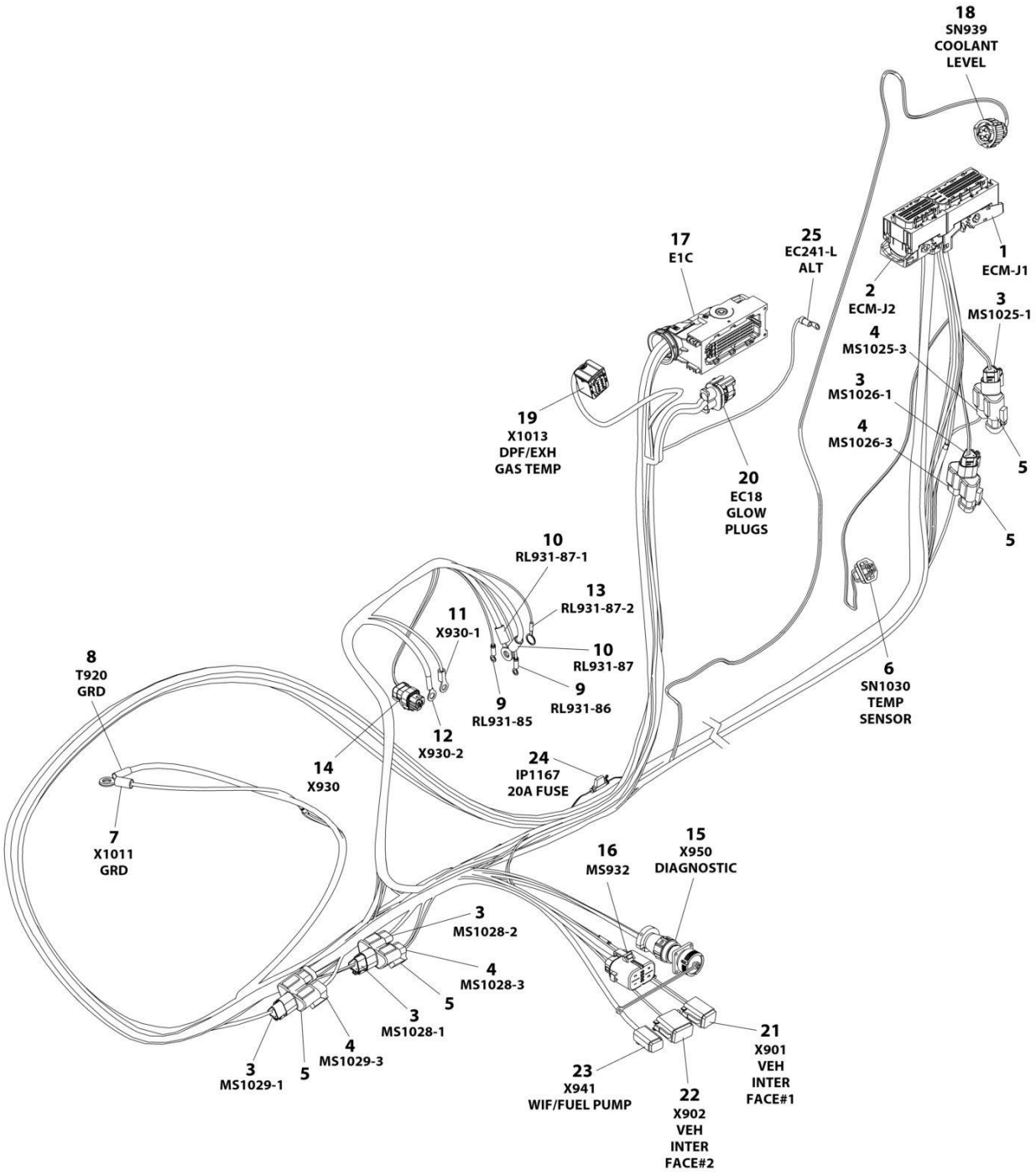
## FIGURE 8-51. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138346 | Ref | ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES | H |
| 1 | 1001133956 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 1 | 1001182361 | 6 | Terminal | |
| 1 | 1001230934 | 15 | Terminal | |
| 1 | 1001126351 | 1 | Terminal | |
| 1 | 1001256507 | 4 | Terminal | |
| 1 | 1001230936 | 3 | Plug, Terminal | |
| 1 | 1001230935 | 62 | Plug, Terminal | |
| 1 | 1001126352 | 6 | Terminal | |
| 1 | 1001126384 | 19 | Terminal | |
| 1 | 1001126357 | 3 | Plug, Seal | |
| 1 | 1001126356 | 65 | Plug, Seal | |
| 2 | 4461070 | 1 | Connector with Resistor (3 Position) | |
| 2 | 4461095 | 1 | Connector - 3 Position | |
| 2 | 4460944 | 2 | Socket, Female | |
| 2 | 4460466 | 1 | Seal, Plug | |
| 3 | 4461070 | 1 | Connector with Resistor (3 Position) | |
| 3 | 4461095 | 1 | Connector - 3 Position | |
| 3 | 4460944 | 2 | Socket, Female | |
| 3 | 4460466 | 1 | Seal, Plug | |
| 4 | 1001133957 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 4 | 1001126351 | 13 | Terminal | |
| 4 | 1001230934 | 11 | Terminal | |
| 4 | 1001252527 | 4 | Terminal | |
| 4 | 1001256507 | 2 | Terminal | |
| 4 | 1001230935 | 19 | Plug, Terminal | |
| 4 | 1001230936 | 11 | Plug, Terminal | |
| 5 | 4460930 | 1 | Connector - 8 Position | |
| 5 | 4460944 | 5 | Socket, Female (Gold) | |
| 5 | 4460465 | 2 | Socket, Female | |
| 5 | 4460466 | 1 | Seal, Plug | |
| 6 | 1001116707 | 1 | Connector - 1 Position | |
| 6 | 91143340 | 1 | Terminal | |
| 7 | 4460935 | 1 | Plug, Brown - 12 Position | |
| 7 | 4460465 | 12 | Socket, Female | |
| 8 | 4460970 | 1 | Connector - 12 Position | |
| 8 | 4460941 | 12 | Pin, Male | |
| 9 | 4460934 | 1 | Connector, Green - 12 Position | |
| 9 | 4460465 | 10 | Socket, Female | |
| 9 | 4460466 | 2 | Seal, Plug | |
| 10 | 4460836 | 1 | Connector, Black - 12 Position | |
| 10 | 4460465 | 8 | Socket, Female | |
| 10 | 4460466 | 4 | Seal, Plug | |
| 11 | 4460931 | 1 | Connector - 8 Position (Gray) | |
| 11 | 4460943 | 5 | Pin, Male (Gold) | |
| 11 | 4460466 | 3 | Plug, Socket | |
| 12 | 8220164 | 1 | Terminal, Eyelet | |
| 13 | 1001116967 | 1 | Connector - 1 Position | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 13 | 91143339 | 1 | Terminal | |
| 14 | 4460982 | 1 | Connector - 12 Position | |
| 14 | 4460464 | 12 | Pin, Male | |
| 15 | 4460933 | 1 | Connector, Gray - 12 Position | |
| 15 | 4460942 | 12 | Socket, Female | |
| 16 | 1001152742 | 1 | Connector - 12 Position | |
| 16 | 4460464 | 10 | Pin, Male | |
| 16 | 4460466 | 2 | Seal, Plug | |
| 17 | 4460950 | 1 | Connector - 12 Position | |
| 17 | 4460464 | 8 | Pin, Male | |
| 17 | 4460466 | 4 | Plug, Seal | |
| 18 | 4461070 | 1 | Connector with Resistor (3 Position) | |
| 18 | 4461095 | 1 | Connector - 3 Position | |
| 18 | 4460944 | 2 | Socket, Female | |
| 18 | 4460466 | 1 | Seal, Plug | |
| 19 | 80484084 | 1 | Connector - 8 Position | |
| 19 | 8229242 | 1 | Fuse - 5A | |
| 19 | 80983191 | 1 | Fuse - 10A | |
| 19 | 1001147264 | 1 | Cap | |
| 19 | 1001116728 | 4 | Plug | |
| 19 | 4460458 | 4 | Seal | |
| 20 | 4460894 | 1 | Connector - 6 Position | |
| 20 | 4460465 | 3 | Socket, Female | |
| 20 | 4460944 | 2 | Socket, Female | |
| 20 | 4460466 | 1 | Seal, Plug | |
| 21 | 4460930 | 1 | Connector - 8 Position | |
| 21 | 4460465 | 1 | Socket, Female | |
| 21 | 4460466 | 7 | Plug, Seal | |
| 22 | 1001220379 | 1 | Connector - 4 Position | |
| 22 | 4460465 | 2 | Socket, Female | |
| 22 | 4460942 | 2 | Socket, Female | |
| 22 | 4460932 | 1 | Connector - 4 Position | |
| 22 | 4460466 | 4 | Seal, Plug | |
| 23 | 2902443 | 1 | Kit, Receptacle | |
| 23 | 4461071 | 8 | Terminal, Female (Gold) | |
| 23 | 4461072 | 1 | Connector, Flange Mount | |
| 23 | 4461073 | 1 | Connector, Dust Cap | |
| 23 | 4461074 | 1 | Connector, Shell | |
| 24 | 1001116952 | 1 | Connector - 2 Position | |
| 24 | 4460465 | 2 | Socket, Female | |
| 25 | 4460043 | 1 | Terminal, Eyelet | |
| 26 | 1001117106 | 1 | Terminal, Eyelet | |
| 27 | 4460019 | 1 | Terminal, Eyelet | |
| 28 | 4460247 | 1 | Terminal, Eyelet | |
| 29 | 4460247 | 1 | Terminal, Eyelet | |
| 30 | 1001117107 | 1 | Terminal, Eyelet | |
| 31 | 1001117107 | 1 | Terminal, Eyelet | |
| 32 | 4460703 | 1 | Terminal, Eyelet | |
| 33 | 1001126362 | 1 | Connector - 62 Position | |
| 33 | 1001126363 | 23 | Terminal | |
| 33 | 1001256506 | 2 | Seal | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 33 | 1001126364 | 21 | Seal | |
| 33 | 1001126392 | 10 | Terminal | |
| 33 | 1001223459 | 10 | Seal | |
| 33 | 1001126365 | 2 | Terminal | |
| 33 | 4461054 | 2 | Seal | |
| 33 | 1001126391 | 22 | Plug, Terminal | |
| 33 | 4461008 | 4 | Plug, Cavity | |
| 34 | 1001142938 | 1 | Connector - 2 Position | |
| 34 | 1001142940 | 2 | Terminal, Female | |
| 34 | 1001142941 | 2 | Seal | |
| 35 | 1001133714 | 1 | Connector - 4 Position | |
| 35 | 1001133715 | 3 | Terminal, Female | |
| 35 | 1001135650 | 1 | Seal | |
| 35 | 1001135651 | 1 | Plug, Cavity | |
| 36 | 4460042 | 1 | Terminal, Eyelet | |
| 37 | 1001138110 | 1 | Connector - 2 Position | |
| 37 | 1001138111 | 2 | Socket, Female | |
| 37 | 1001138113 | 2 | Seal | |

## FIGURE 8-52. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES



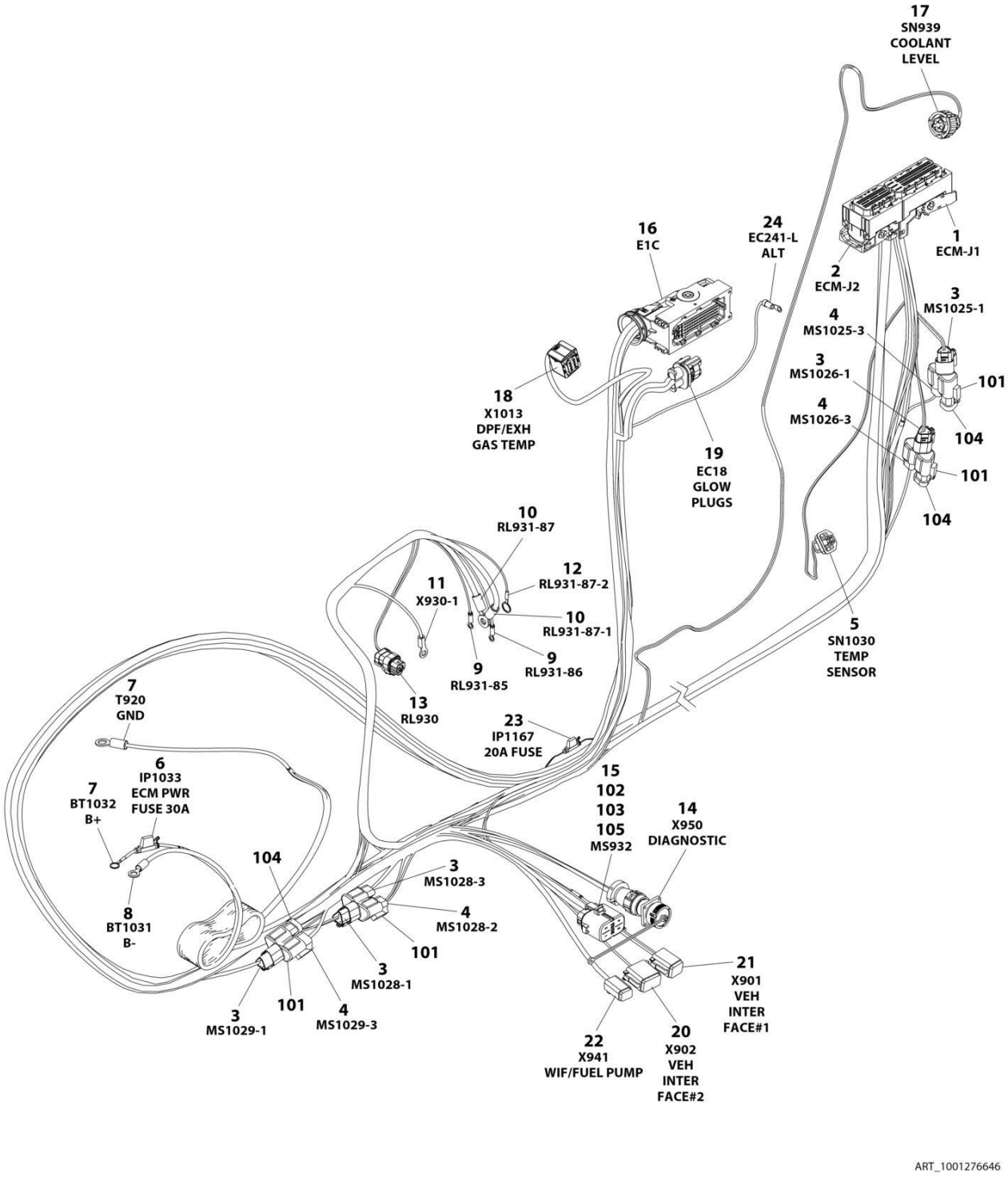
## FIGURE 8-52. ENGINE HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001237285 | Ref | ENGINE HARNESS | G |
| 1 | 1001133956 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 1 | 1001182361 | 6 | Terminal | |
| 1 | 1001230934 | 25 | Terminal | |
| 1 | 1001126351 | 3 | Terminal | |
| 1 | 1001252527 | 4 | Terminal | |
| 1 | 1001230935 | 55 | Plug, Terminal | |
| 1 | 1001230936 | 1 | Plug, Terminal | |
| 2 | 1001133957 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 2 | 1001126351 | 13 | Terminal | |
| 2 | 1001230934 | 26 | Terminal | |
| 2 | 1001230935 | 9 | Terminal | |
| 2 | 1001230936 | 11 | Plug, Terminal | |
| 3 | 1001116812 | 5 | Plug, Male - 3 Position | |
| 3 | 4460944 | 10 | Socket, Female | |
| 3 | 4460466 | 5 | Plug, Terminal | |
| 4 | 4460539 | 4 | Plug, Male - 3 Position | |
| 4 | 4460944 | 8 | Socket, Female | |
| 4 | 4460466 | 4 | Plug, Terminal | |
| 5 | 4460945 | 4 | Connector - 3 Way | |
| 6 | 1001126487 | 1 | Connector - 3 Position | |
| 6 | 1001167635 | 2 | Terminal | |
| 6 | 1001126485 | 2 | Seal | |
| 7 | 8220164 | 1 | Terminal, Eyelet | |
| 8 | 4460019 | 1 | Terminal, Eyelet | |
| 9 | 4460247 | 2 | Terminal, Eyelet | |
| 10 | 1001117107 | 2 | Terminal, Eyelet | |
| 11 | 4460043 | 1 | Terminal, Eyelet | |
| 12 | 1001117106 | 1 | Terminal, Eyelet | |
| 13 | 4460703 | 1 | Terminal, Eyelet | |
| 14 | 1001116952 | 1 | Connector - 2 Position | |
| 14 | 4460465 | 2 | Socket, Female | |
| 15 | 2902443 | 1 | Kit, Receptacle | |
| 15 | 4461071 | 8 | Terminal, Female (Gold) | |
| 15 | 4461072 | 1 | Connector, Flange Mount | |
| 15 | 4461073 | 1 | Connector, Dust Cap | |
| 15 | 4461074 | 1 | Connector, Shell | |
| 16 | 80484084 | 1 | Connector - 8 Position | |
| 16 | 4460748 | 4 | Plug, Terminal | |
| 16 | 4460746 | 3 | Terminal | |
| 16 | 1001234800 | 1 | Terminal | |
| 16 | 4460458 | 4 | Seal | |
| 17 | 1001126362 | 1 | Connector - 62 Position | |
| 17 | 1001126363 | 36 | Terminal | |
| 17 | 1001126364 | 36 | Seal | |
| 17 | 1001126391 | 7 | Plug, Terminal | |
| 17 | 4461008 | 4 | Plug, Cavity | |
| 17 | 1001126392 | 12 | Terminal | |
| 17 | 1001223459 | 12 | Seal | |

# SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 17 | 1001167632 | 2 | Terminal | |
| 17 | 4461054 | 2 | Seal | |
| 18 | 1001133714 | 1 | Connector - 4 Position | |
| 18 | 1001133715 | 3 | Terminal, Female | |
| 18 | 1001135650 | 1 | Seal | |
| 18 | 1001135651 | 1 | Plug, Cavity | |
| 19 | 1001239202 | 1 | Connector - 8 Position | |
| 19 | 1001126363 | 7 | Terminal | |
| 19 | 1001126364 | 7 | Seal | |
| 19 | 1001135651 | 1 | Plug, Terminal | |
| 20 | 1001142938 | 1 | Connector - 2 Position | |
| 20 | 1001142940 | 2 | Terminal, Female | |
| 20 | 1001142941 | 2 | Seal | |
| 21 | 4460894 | 1 | Connector - 6 Position | |
| 21 | 4460465 | 2 | Socket, Female | |
| 21 | 4460944 | 2 | Socket, Female | |
| 21 | 4460466 | 2 | Seal, Plug | |
| 22 | 4460930 | 1 | Connector - 8 Position | |
| 22 | 4460465 | 1 | Socket, Female | |
| 22 | 4460466 | 7 | Seal, Plug | |
| 23 | 4460884 | 1 | Connector - 4 Position | |
| 23 | 4460465 | 2 | Socket, Female | |
| 23 | 4460942 | 2 | Socket, Female | |
| 24 | 1001170764 | 1 | Fuseholder with Cover and 20AMP Fuse | |
| 24 | 1001197719 | 1 | Resistor 620ohm/5 watt | |
| 25 | 4460042 | 1 | Terminal, Eyelet | |

## FIGURE 8-53. ENGINE HARNESS - DEUTZ TCD2.9L4 (STAGE V) ENGINES



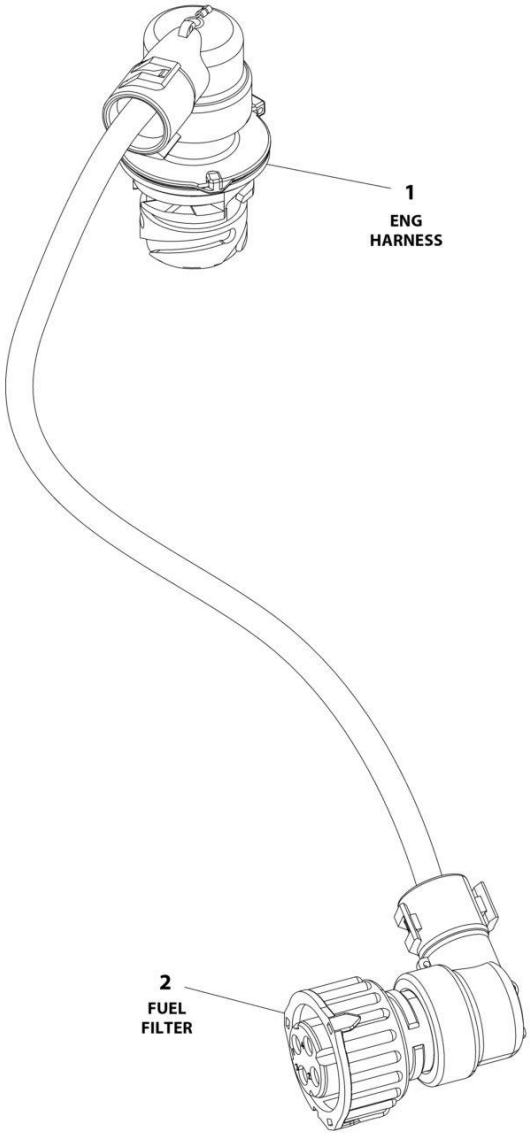
## FIGURE 8-53. ENGINE HARNESS - DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001276646 | Ref | DEUTZ TCD2.9L4 STAGE V ENGINE HARNESS | B |
| 1 | 1001133956 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 1 | 1001182361 | 6 | Socket 18 - 15AWG Wire | |
| 1 | 1001182365 | 6 | Seal | |
| 1 | 1001230934 | 23 | Socket 0.75 MM2 Wire | |
| 1 | 1001126351 | 3 | Socket 2.5 - 1.5 MM2 Wire | |
| 1 | 1001252527 | 4 | Socket 0.85 MM2 Wire | |
| 1 | 1001230935 | 57 | Plug - Black | |
| 1 | 1001230936 | 1 | Plug - Natural | |
| 2 | 1001133957 | 1 | Connector (Includes Cover, Locks and Retention Plate) | |
| 2 | 1001126351 | 13 | Socket 2.5 - 1.5 MM2 Wire | |
| 2 | 1001230934 | 26 | Socket 0.75 MM2 Wire | |
| 2 | 1001230935 | 10 | Plug - Black | |
| 2 | 1001230936 | 11 | Plug - Natural | |
| 3 | 1001116812 | 5 | Connector | |
| 3 | 4460944 | 10 | Socket | |
| 3 | 4460466 | 5 | Plug | |
| 4 | 4460539 | 4 | Connector | |
| 4 | 4460944 | 8 | Socket | |
| 4 | 4460466 | 4 | Plug | |
| 5 | 1001126487 | 1 | Connector | |
| 5 | 1001167635 | 2 | Socket | |
| 5 | 1001126485 | 2 | Seal | |
| 6 | 1001172064 | 1 | Fuseholder | |
| 6 | 1001172065 | 1 | Fuse, 30Amp | |
| 7 | 4460019 | 2 | Terminal, Eyelet | |
| 8 | 8220115 | 1 | Terminal, Eyelet | |
| 9 | 4460247 | 2 | Terminal, Eyelet | |
| 10 | 1001117107 | 2 | Terminal, Eyelet | |
| 11 | 4460043 | 1 | Terminal, Eyelet | |
| 12 | 4460703 | 1 | Terminal, Eyelet | |
| 13 | 1001116952 | 1 | Connector | |
| 13 | 4460465 | 2 | Socket | |
| 14 | 2902443 | 1 | Kit, Receptacle | |
| 14 | 4461071 | 8 | Socket | |
| 14 | 4461072 | 1 | Connector | |
| 14 | 4461073 | 1 | Dust Cap | |
| 14 | 4461074 | 1 | Shell | |
| 15 | 80484084 | 1 | Connector | |
| 15 | 4460748 | 4 | Plug | |
| 15 | 4460746 | 3 | Socket 1.0 - 0.5 MM2 Wire | |
| 15 | 1001234800 | 1 | Socket 2.0 - 1.0 MM2 Wire | |
| 15 | 4460458 | 4 | Seal | |
| 16 | 1001126362 | 1 | Connector | |
| 16 | 1001126363 | 37 | Socket 20 - 17AWG | |
| 16 | 1001126364 | 37 | Seal (Use With 1001126363) | |
| 16 | 1001126391 | 7 | Plug - White | |
| 16 | 4461008 | 4 | Plug - Clear | |
| 16 | 1001126392 | 12 | Socket 16AWG | |
| 16 | 1001223459 | 12 | Seal (Use With 1001223459) | |

# SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 16 | 1001167632 | 2 | Socket 1.0 - 0.5 MM2 Wire | |
| 16 | 4461054 | 2 | Seal (Use With 10011676323) | |
| 16 | 1001151856 | 1 | Backshell | |
| 17 | 1001133714 | 1 | Connector | |
| 17 | 1001133715 | 3 | Socket | |
| 17 | 1001135650 | 3 | Seal | |
| 17 | 1001135651 | 1 | Plug | |
| 18 | 1001239202 | 1 | Connector | |
| 18 | 1001126363 | 7 | Socket | |
| 18 | 1001126364 | 7 | Seal | |
| 18 | 1001135651 | 1 | Plug | |
| 19 | 1001142938 | 1 | Connector | |
| 19 | 1001142940 | 2 | Socket | |
| 19 | 1001142941 | 2 | Seal | |
| 20 | 4460930 | 1 | Connector | |
| 20 | 4460465 | 1 | Socket | |
| 20 | 4460466 | 7 | Plug | |
| 21 | 4460894 | 1 | Connector | |
| 21 | 4460465 | 2 | Socket - Nickel | |
| 21 | 4460944 | 2 | Socket - Gold | |
| 21 | 4460466 | 2 | Plug | |
| 22 | 4460884 | 1 | Connector | |
| 22 | 4460465 | 2 | Socket 20 - 16AWG | |
| 22 | 4460942 | 2 | Socket 16 - 14AWG | |
| 23 | 1001170764 | 1 | Fuseholder with Cover and 20AMP Fuse | |
| 23 | 1001197719 | 1 | Resistor 620ohm/5 watt | |
| 24 | 4460042 | 1 | Terminal, Eyelet | |
| 101 | 4460945 | 4 | Connector | |
| 102 | 8229242 | 1 | Fuse, 5Amp | |
| 103 | 80983191 | 1 | Fuse, 10Amp | |
| 104 | 1001116815 | 3 | Connector | |
| 105 | 1001147264 | 1 | Cap | |

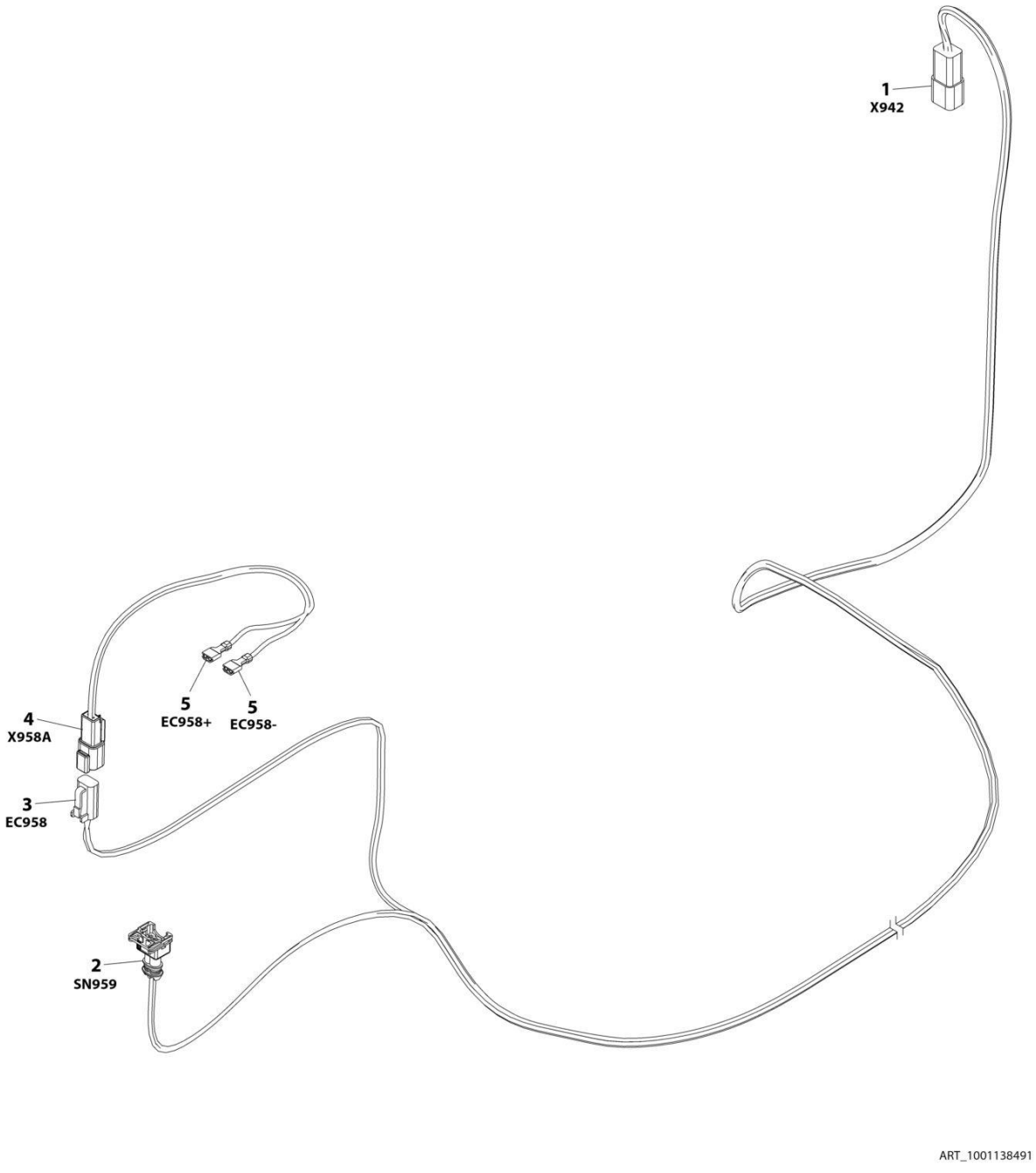
## FIGURE 8-54. FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES



## FIGURE 8-54. FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001148843 | Ref | FUEL FILTER HARNESS - DEUTZ TCD2.9L4 ENGINES | A |
| 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 | |

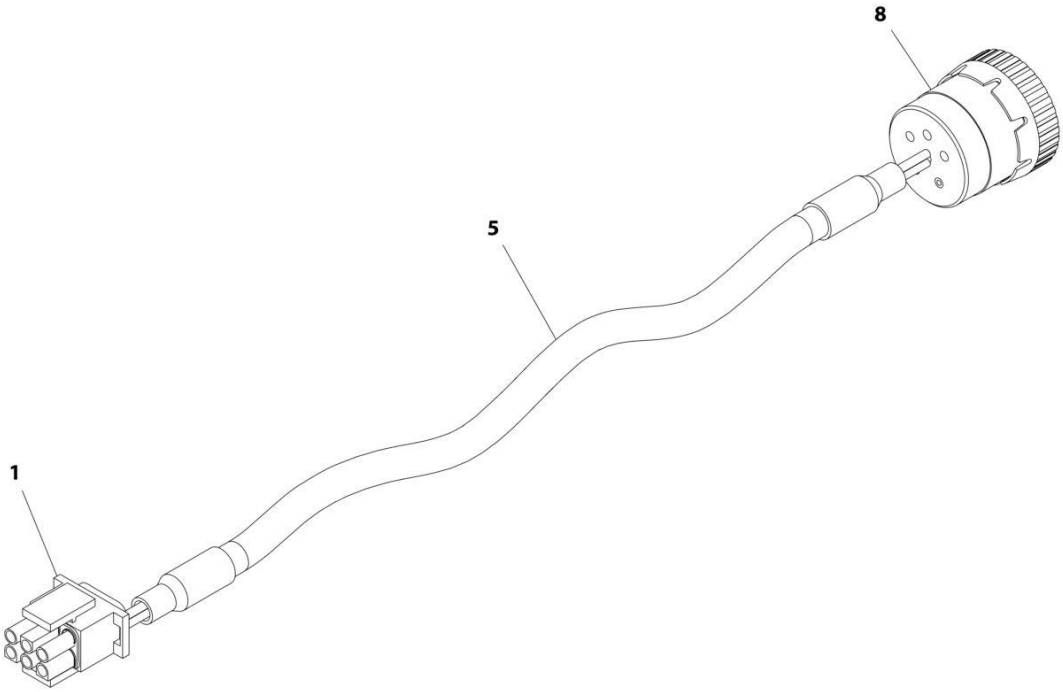
## FIGURE 8-55. FUEL HARNESS - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES



## FIGURE 8-55. FUEL HARNESS - DEUTZ TCD2.9L4 ENGINES, DEUTZ TCD2.9L4 (STAGE V PRE-BUY) ENGINES AND DEUTZ TCD2.9L4 (STAGE V) ENGINES

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001138491 | Ref | FUEL PUMP HARNESS | D |
| 1 | 4460932 | 1 | Receptacle, Female - 4 Position | |
| 1 | 4460941 | 2 | Pin, Male | |
| 1 | 4460464 | 2 | Pin, Male | |
| 2 | 1001116983 | 1 | Plug, Male - 2 Position | |
| 2 | 1001116710 | 2 | Socket, Female | |
| 2 | 4461054 | 2 | Seal | |
| 3 | 4460891 | 1 | Plug, Male - 2 Position | |
| 3 | 4460942 | 2 | Socket, Female | |
| 4 | 4460897 | 1 | Connector - 2 Position | |
| 4 | 4460941 | 2 | Pin, Male | |
| 5 | 8220051 | 2 | Terminal, Ring | |

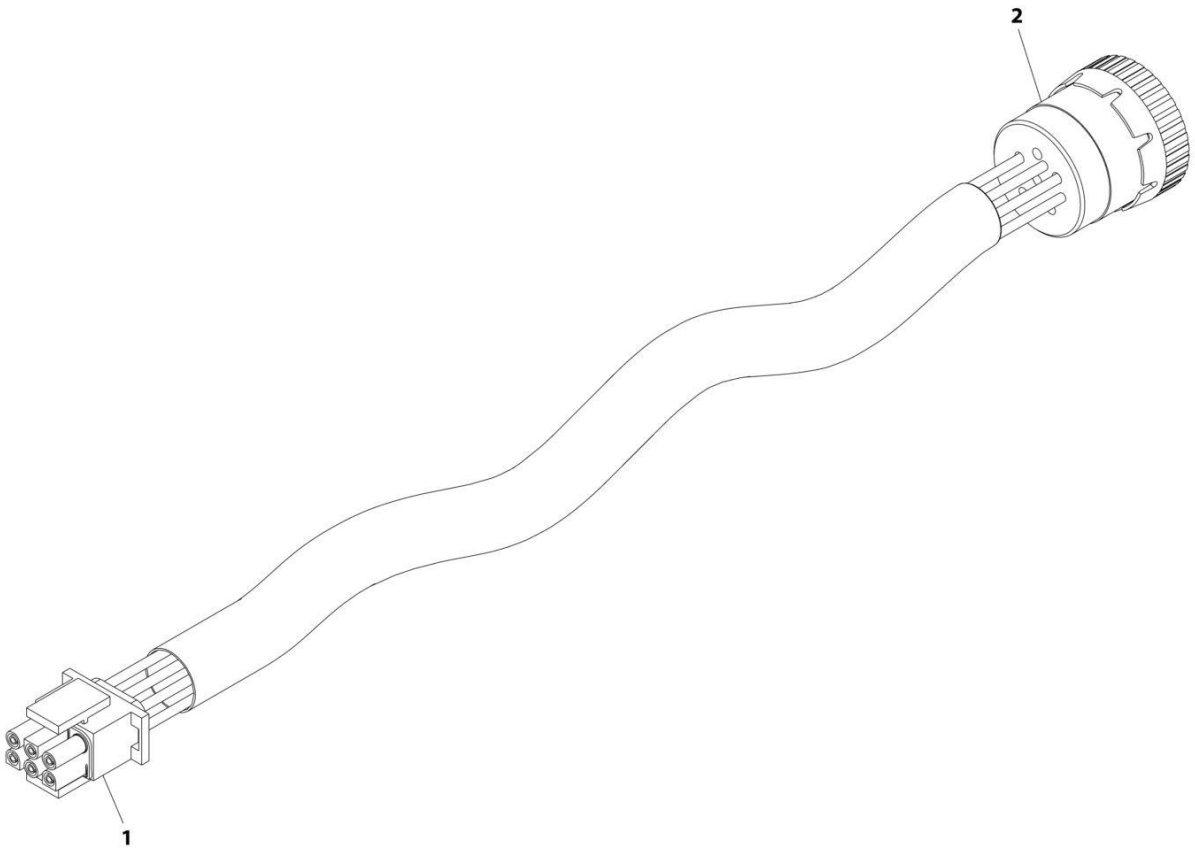
## FIGURE 8-56. GENERATOR HARNESS - 4000W GENERATOR



## FIGURE 8-56. GENERATOR HARNESS - 4000W GENERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001152533 | Ref | GENERATOR HARNESS - 4000W GENERATOR | A |
| 1 | 4460225 | 1 | Connector - 6 Position | |
| 1 | 4460268 | 2 | Socket, Female | |
| 1 | 4460807 | 1 | Seal, Plug | |
| 1 | 4460808 | 1 | Seal, Plug | |
| 5 | 1060341 | 8 ft /2.4m | Cable, 16/2 | |
| 8 | 77363233 | 1 | Connector - 6 Position | |
| 8 | 4460465 | 2 | Socket, Female | |

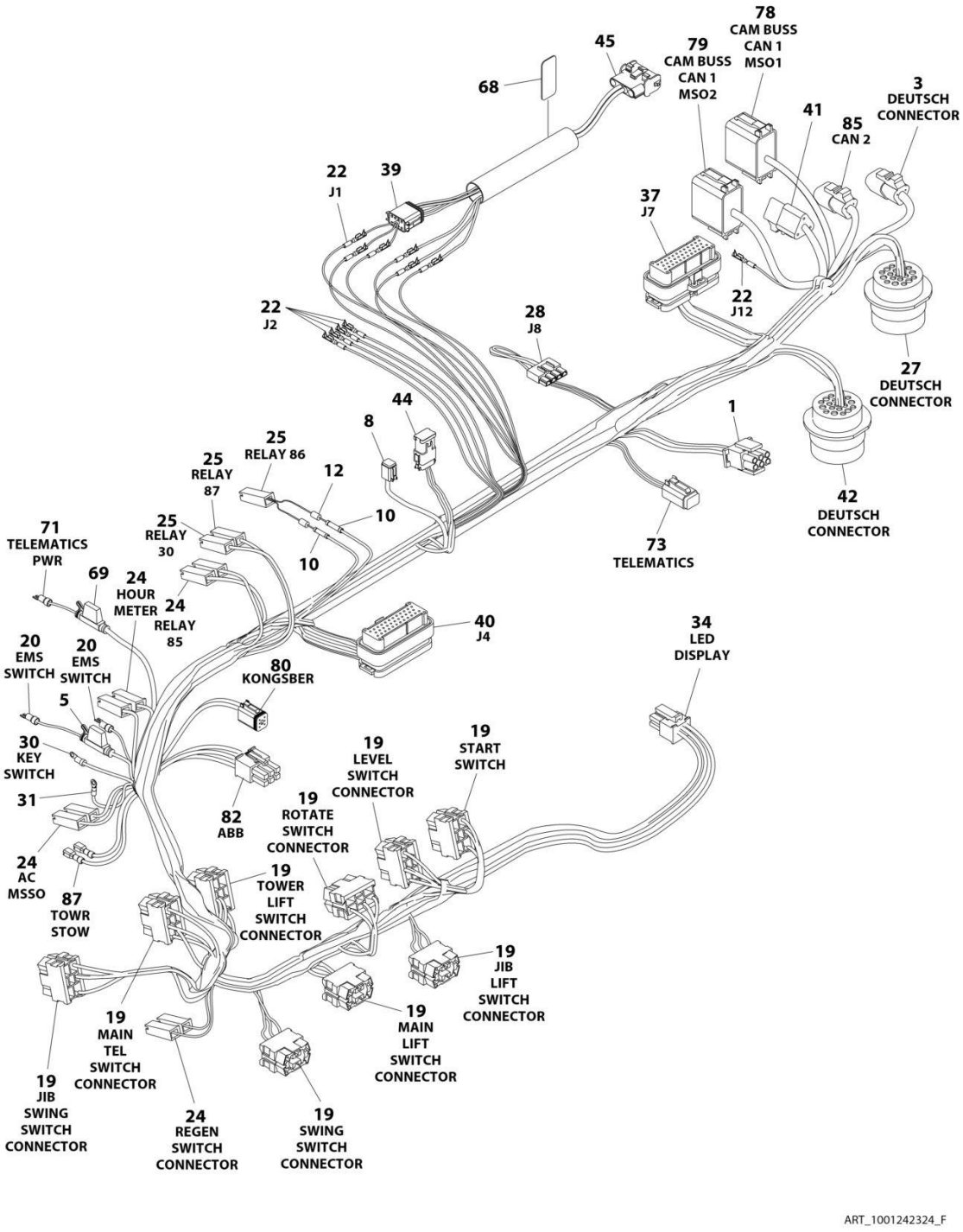
## FIGURE 8-57. GENERATOR CABLE HARNESS - 7500W GENERATOR



## FIGURE 8-57. GENERATOR CABLE HARNESS - 7500W GENERATOR

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922972 | Ref | GENERATOR HARNESS - 7500W GENERATOR | C |
| 1 | 4460225 | 1 | Connector - 6 Position | |
| 1 | 4460268 | 6 | Socket, Female | |
| 1 | 4460807 | 1 | Seal, Plug | |
| 1 | 4460808 | 1 | Seal, Plug | |
| 2 | 77363233 | 1 | Connector - 6 Position | |
| 2 | 4460465 | 6 | Socket, Female | |

## FIGURE 8-58. GROUND CONTROL BOX HARNESS (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



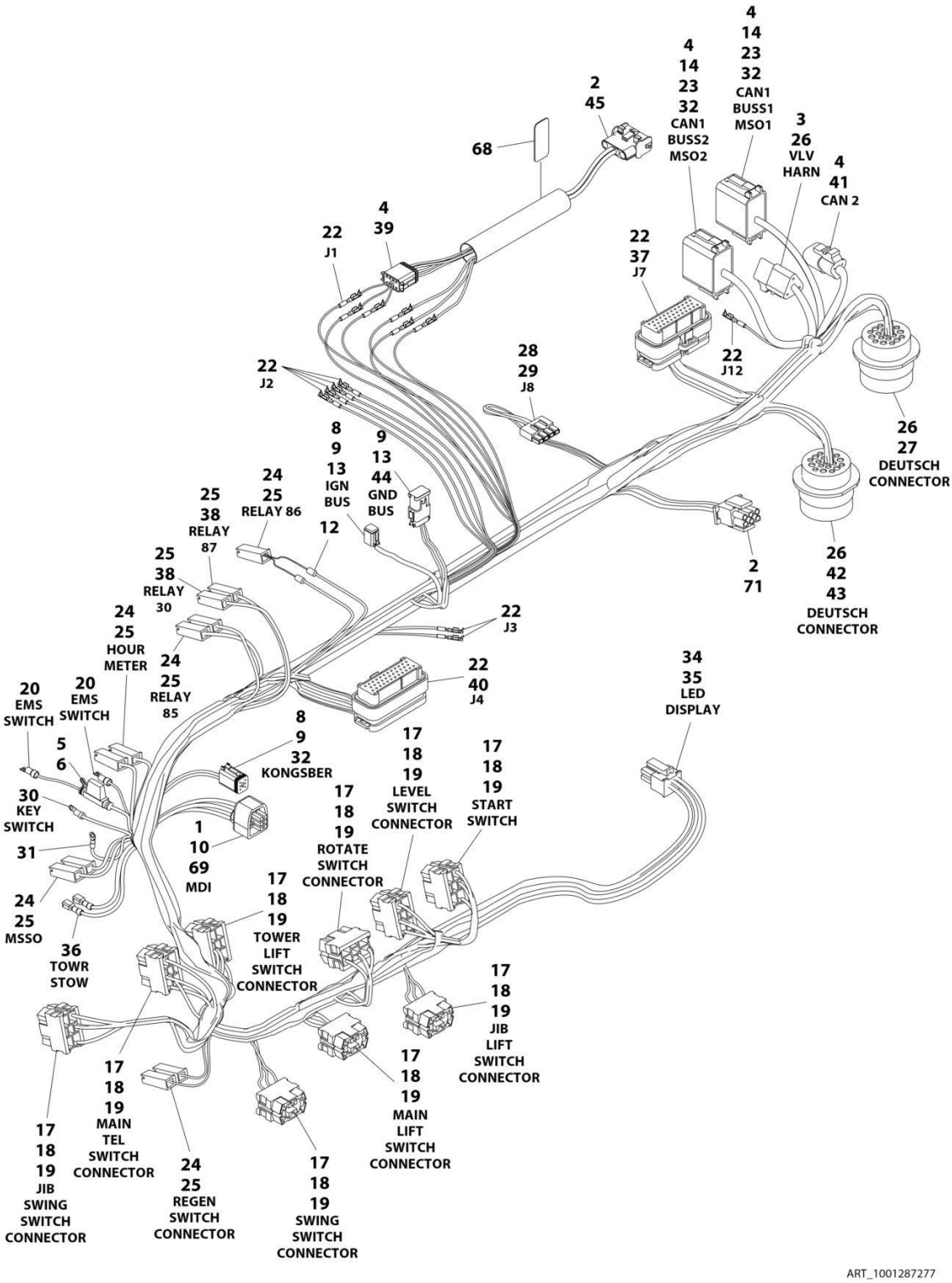
## FIGURE 8-58. GROUND CONTROL BOX HARNESS (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001242324 | Ref | GROUND CONTROL BOX HARNESS | F |
| 1 | 4460225 | 1 | Connector - 6 Position | |
| 1 | 4460227 | 5 | Pin, Male | |
| 3 | 4460965 | 1 | Connector - 3 Position (Blue Lock) | |
| 3 | 4460944 | 3 | Socket, Female | |
| 3 | 4922099 | AR | Cable, Can-Buss | |
| 5 | 2400066 | 1 | Fuseholder with Cover | |
| 5 | 2400065 | 1 | Fuse | |
| 8 | 4460894 | 1 | Connector - 6 Position | |
| 8 | 4460465 | 1 | Socket, Female 16-18GA | |
| 8 | 4460942 | 1 | Socket, Female 14-16 GA | |
| 10 | 4460474 | 2 | Terminal, Connector | |
| 12 | 3990001 | 2 | Diode - 3 Amp | |
| 19 | 4460418 | 9 | Connector, Female - 6 Position | |
| 19 | 4460419 | 9 | Socket, Female | |
| 19 | 1001159186 | 16 | Socket, Female | |
| 20 | 4460806 | 6 | Terminal, Fork | |
| 22 | 4460871 | 20 | Socket, Female | |
| 24 | 4460260 | 7 | Terminal, Housing | |
| 24 | 4460259 | 7 | Terminal | |
| 25 | 4460260 | 3 | Terminal, Housing | |
| 25 | 4460297 | 3 | Terminal | |
| 27 | 4460866 | 1 | Connector - 19 Pin | |
| 27 | 4460464 | 10 | Pin, Male | |
| 27 | 4460508 | 3 | Pin, Male | |
| 28 | 4460878 | 1 | Connector - 4 Position | |
| 28 | 4460887 | 3 | Terminal | |
| 30 | 4460142 | 3 | Terminal, Eyelet | |
| 31 | 4460313 | 3 | Terminal, Eyelet | |
| 34 | 1001237667 | 1 | Connector - 6 Position | |
| 34 | 1001237668 | 5 | Terminal | |
| 37 | 4460873 | 1 | Connector, Black - 35 Position | |
| 37 | 4460871 | 17 | Socket, Female | |
| 39 | 4460930 | 1 | Connector - 8 Position | |
| 39 | 4460944 | 6 | Socket, Female | |
| 40 | 4460876 | 1 | Connector, Blue - 35 Position | |
| 40 | 4460871 | 24 | Socket, Female | |
| 41 | 4460951 | 1 | Connector - 3 Position | |
| 41 | 4460944 | 1 | Socket, Female | |
| 41 | 4922099 | AR | Cable, Can-Buss | |
| 41 | 1001003498 | 1 | Lock, Plug | |
| 42 | 4460613 | 1 | Connector - 21 Pin | |
| 42 | 4460464 | 8 | Pin, Male Deutsch 16 Ga | |
| 42 | 4460941 | 2 | Pin, Male Deutsch 14 Ga | |
| 44 | 4460836 | 1 | Connector - 12 Position | |
| 44 | 4460465 | 3 | Socket, Female 16-18GA | |
| 44 | 4460942 | 2 | Socket, Female 14-16 GA | |
| 45 | 4460761 | 1 | Connector - 4 Position | |
| 45 | 4460227 | 4 | Pin, Male | |

# SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 68 | 1001096076 | 1 | Decal - Troubleshooting | |
| 69 | 2400060 | 1 | Fuse, Holder | |
| 69 | 8229242 | 1 | Fuse, 5Amp | |
| 71 | 4460888 | 1 | Terminal, Fork | |
| 73 | 4460884 | 1 | Connector - 4 Position | |
| 73 | 4460465 | 4 | Socket, Female | |
| 73 | 1001192401 | 1 | Connector, Dust Cap | |
| 78 | 4460933 | 1 | Connector - 12 Position (Gray) | |
| 78 | 4460944 | 11 | Socket, Female | |
| 78 | 4460466 | 1 | Plug, Terminal | |
| 78 | 1001119020 | 1 | Bussbar - 12 Position | |
| 79 | 4460933 | 1 | Connector - 12 Position (Gray) | |
| 79 | 4460944 | 5 | Socket, Female | |
| 79 | 4460466 | 7 | Plug, Terminal | |
| 79 | 1001119020 | 1 | Bussbar - 12 Position | |
| 80 | 4460894 | 1 | Connector - 6 Position | |
| 80 | 4460465 | 4 | Socket, Female | |
| 80 | 4460466 | 2 | Plug, Terminal | |
| 82 | 4460868 | 1 | Connector - 6 Position | |
| 82 | 4460877 | 4 | Terminal | |
| 85 | 1001116812 | 1 | Connector - 3 Position | |
| 85 | 4460944 | 3 | Socket, Female | |
| 87 | 1001201885 | 2 | Terminal | |

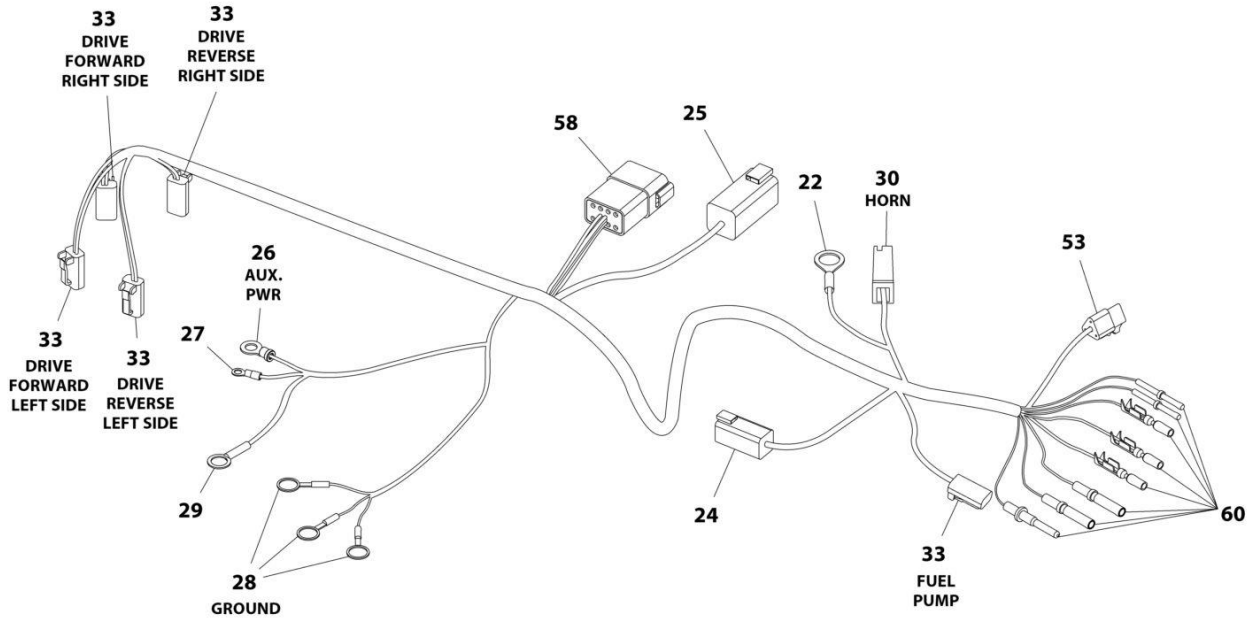
## FIGURE 8-59. GROUND CONTROL BOX HARNESS (SN 0300298203 to Present, SN 0300287801 through 0300287807)



## FIGURE 8-59. GROUND CONTROL BOX HARNESS (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001287277 | Ref | GROUND CONTROL BOX HARNESS | A |
| 1 | 4460877 | 4 | Socket | |
| 2 | 4460227 | 9 | Pin | |
| 3 | 4460536 | 1 | Connector | |
| 4 | 4460944 | 29 | Socket | |
| 5 | 2400066 | 1 | Fuseholder with Cover | |
| 6 | 2400065 | 1 | Fuse, 30Amp | |
| 8 | 4460894 | 2 | Connector | |
| 9 | 4460465 | 9 | Socket 20 - 16AWG | |
| 10 | 4460868 | 1 | Connector | |
| 12 | 3990001 | 2 | Diode - 3 Amp | |
| 13 | 4460942 | 3 | Socket 16 - 14AWG | |
| 14 | 4460933 | 1 | Connector | |
| 17 | 1001159186 | 17 | Socket 0.5 - 0.8mm2 | |
| 18 | 4460419 | 8 | Socket 18 - 14AWG | |
| 19 | 4460418 | 9 | Connector | |
| 20 | 4460806 | 6 | Terminal, Fork | |
| 22 | 4460871 | 64 | Socket | |
| 23 | 1001119020 | 2 | Connector | |
| 24 | 4460259 | 8 | Socket | |
| 25 | 4460260 | 10 | Connector | |
| 26 | 4460464 | 24 | Pin 20 - 16AWG | |
| 27 | 4460866 | 1 | Connector | |
| 28 | 4460878 | 1 | Connector | |
| 29 | 4460887 | 3 | Socket | |
| 30 | 4460142 | 3 | Terminal, Ring | |
| 31 | 4460313 | 3 | Terminal, Ring | |
| 32 | 4460466 | 6 | Plug | |
| 34 | 1001237667 | 1 | Connector | |
| 35 | 1001237668 | 5 | Socket | |
| 36 | 1001201885 | 2 | Socket | |
| 37 | 4460873 | 1 | Connector | |
| 38 | 4460297 | 2 | Socket | |
| 39 | 4460930 | 1 | Connector | |
| 40 | 4460876 | 1 | Connector | |
| 41 | 1001116812 | 1 | Connector | |
| 42 | 4460613 | 1 | Connector | |
| 43 | 4460941 | 2 | Pin 16 - 14AWG | |
| 44 | 4460836 | 1 | Connector | |
| 45 | 4460761 | 1 | Connector | |
| 68 | 1001096076 | 1 | Decal - Troubleshooting | |
| 69 | 1001094105 | 1 | Boot | |
| 71 | 4460225 | 1 | Connector | |

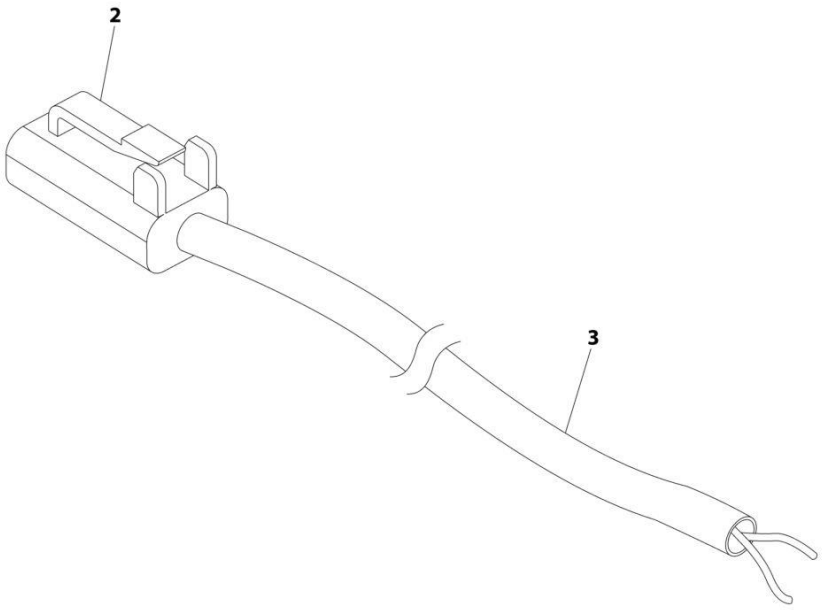
## FIGURE 8-60. GROUND CONTROLS TO ENGINE HARNESS



## FIGURE 8-60. GROUND CONTROLS TO ENGINE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001119529 | Ref | GROUND CONTROLS TO ENGINE HARNESS | D |
| 22 | 4460702 | 1 | Terminal, Eyelet | |
| 24 | 4460899 | 1 | Connector - 6 Position | |
| 24 | 4460464 | 5 | Pin, Male | |
| 24 | 4460466 | 1 | Plug, Terminal | |
| 25 | 4460899 | 1 | Connector - 6 Position | |
| 25 | 4460464 | 4 | Pin, Male | |
| 25 | 4460943 | 2 | Pin, Male (Gold) | |
| 26 | 4460312 | 1 | Terminal, Eyelet | |
| 27 | 4460313 | 1 | Terminal, Eyelet | |
| 28 | 4460019 | 3 | Terminal, Eyelet | |
| 29 | 4460256 | 1 | Terminal, Eyelet | |
| 30 | 4460260 | 1 | Terminal, Housing | |
| 30 | 4460259 | 1 | Terminal | |
| 33 | 4460891 | 5 | Connector - 2 Position | |
| 33 | 4460465 | 10 | Socket, Female | |
| 53 | 4460539 | 1 | Connector - 3 Position | |
| 53 | 4460944 | 3 | Socket, Female | |
| 58 | 4460931 | 1 | Connector - 8 Position | |
| 58 | 4460464 | 8 | Pin, Male | |
| 60 | 4460465 | 2 | Socket, Female | |
| 60 | 4460887 | 1 | Terminal (12 Gauge) | |
| 60 | 4460871 | 12 | Socket, Female | |
| 60 | 4460508 | 1 | Pin, Male | |

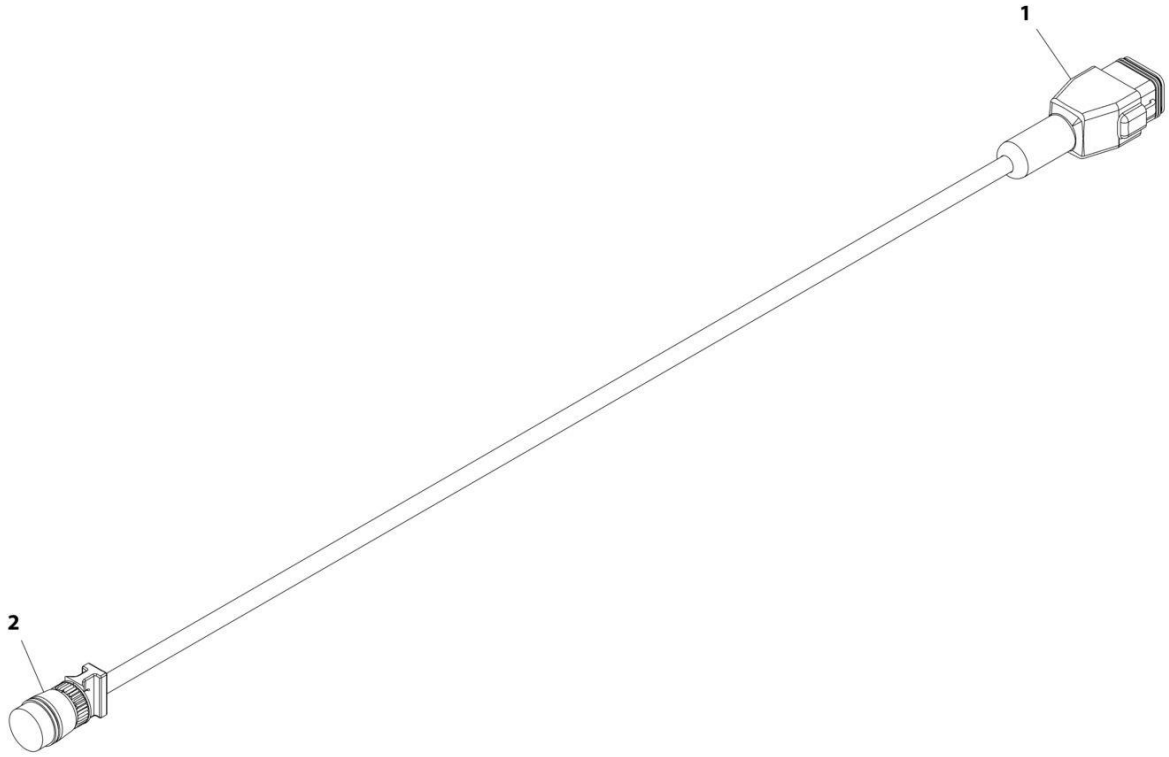
## FIGURE 8-61. JIB STOW SWITCH HARNESS



## FIGURE 8-61. JIB STOW SWITCH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922784 | Ref | JIB STOW SWITCH HARNESS | C |
| 2 | 4460891 | 1 | Connector - 2 Position | |
| 2 | 4460465 | 2 | Socket, Female | |
| 3 | 1060902 | 15 ft/ 4.6m | Cable, Electrical 18/2 | |

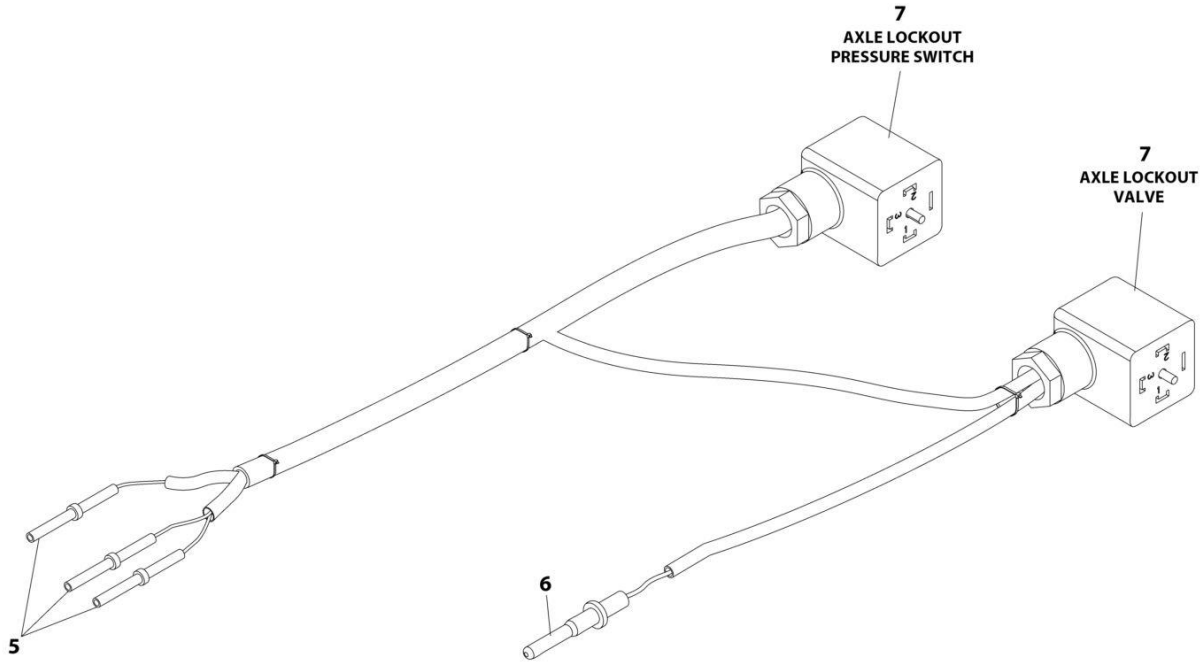
## FIGURE 8-62. LOAD SENSING PIN HARNESS



## FIGURE 8-62. LOAD SENSING PIN HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923256 | Ref | LOAD SENSING PIN HARNESS | C |
| 1 | 4460930 | 1 | Connector - 8 Position (Gray) | |
| 1 | 4460465 | 4 | Socket, Female | |
| 1 | 4460466 | 3 | Plug, Sealing | |
| 2 | See Note | NSS | Connector - 4 Position (Note: Not Available for Purchase) | |
| 2 | See Note | NSS | Terminal (Note: Not Available for Purchase) | |

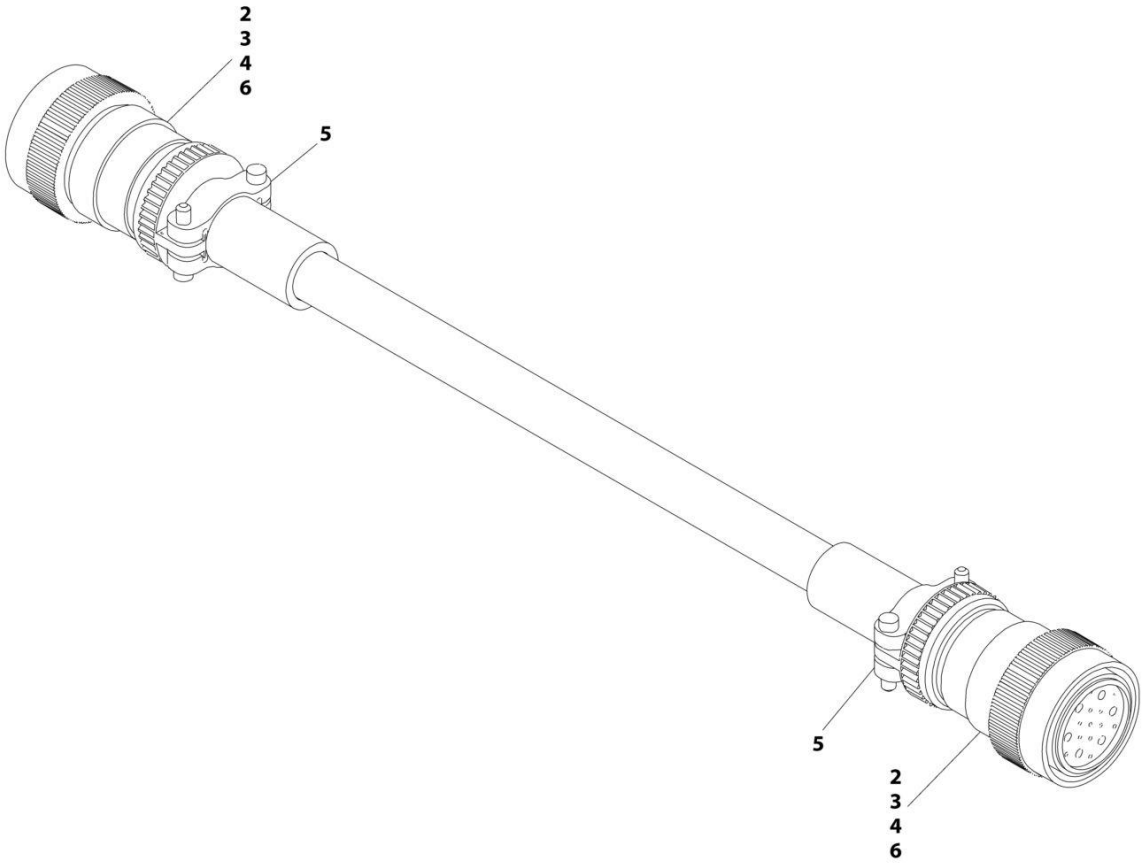
## FIGURE 8-63. LOCKOUT VALVE HARNESS



## FIGURE 8-63. LOCKOUT VALVE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922767 | Ref | LOCKOUT VALVE HARNESS | D |
| 5 | 4460465 | 3 | Socket, Female | |
| 6 | 4460464 | 1 | Pin, Male | |
| 7 | 1001263923 | 2 | Connector, Din | |
| 8 | 4240033 | 6 | Tie-Strap (Not Shown) | |

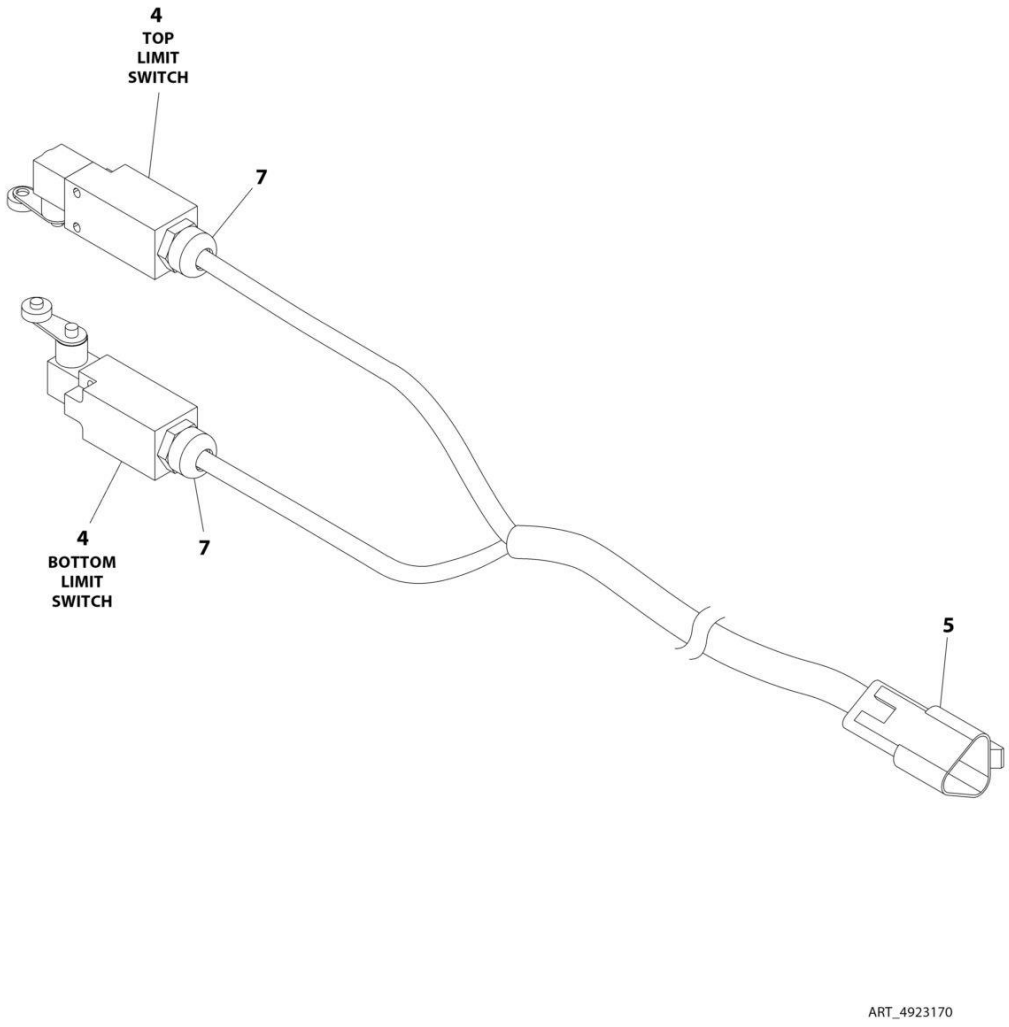
## FIGURE 8-64. MAIN BOOM CONTROL CABLE HARNESS



## FIGURE 8-64. MAIN BOOM CONTROL CABLE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922955 | Ref | MAIN BOOM CONTROL CABLE HARNESS | D |
| 2 | 4460465 | 22 | Socket, Female | |
| 3 | 4460865 | 2 | Connector - 19 Position | |
| 4 | 4460509 | 8 | Socket, Female | |
| 5 | 4460473 | 2 | Clamp | |
| 6 | 4460466 | 8 | Plug, Socket | |

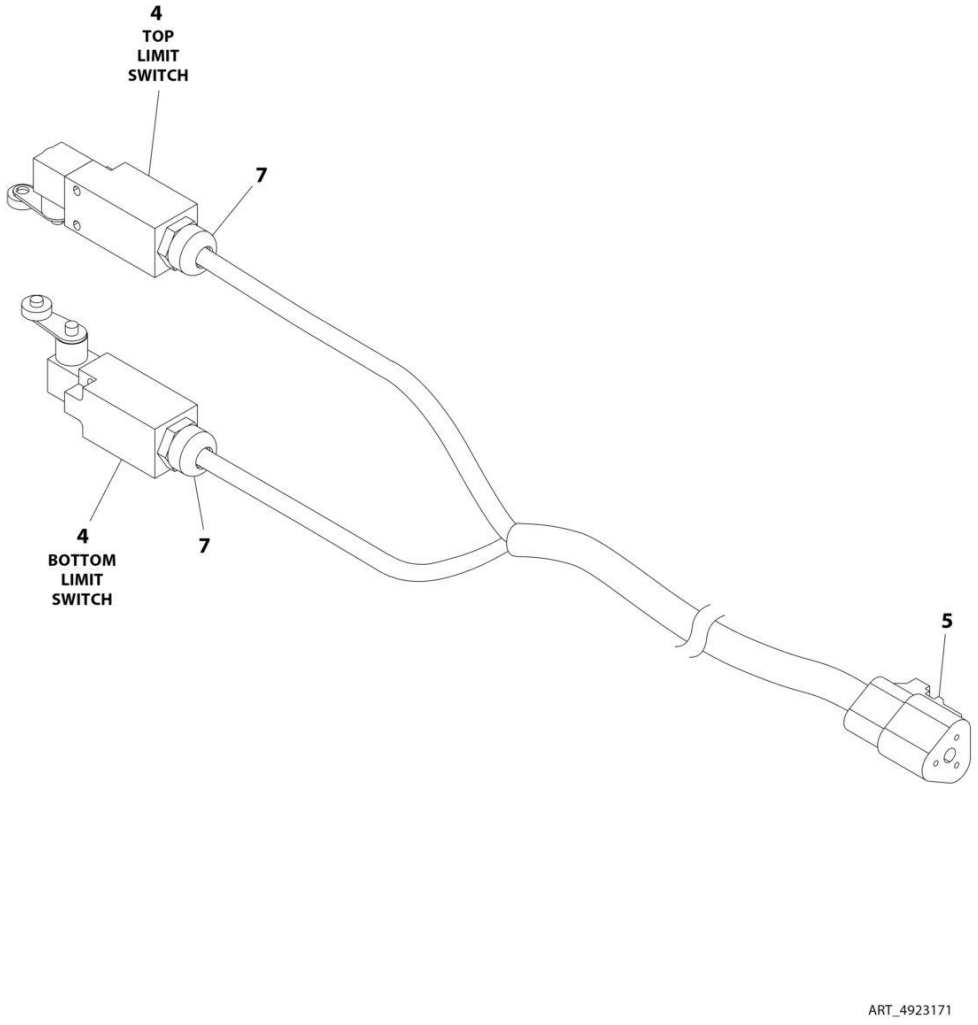
## FIGURE 8-65. MAIN BOOM DUAL CAPACITY SWITCH HARNESS



## FIGURE 8-65. MAIN BOOM DUAL CAPACITY SWITCH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923170 | Ref | MAIN BOOM DUAL CAPACITY SWITCH HARNESS | C |
| 4 | 4360578 | 2 | Switch, Limit | |
| 5 | 4460536 | 1 | Connector - 3 Position | |
| 5 | 4460943 | 3 | Pin, Male (Gold) | |
| 7 | 4460968 | 2 | Connector, Strain Relief | |

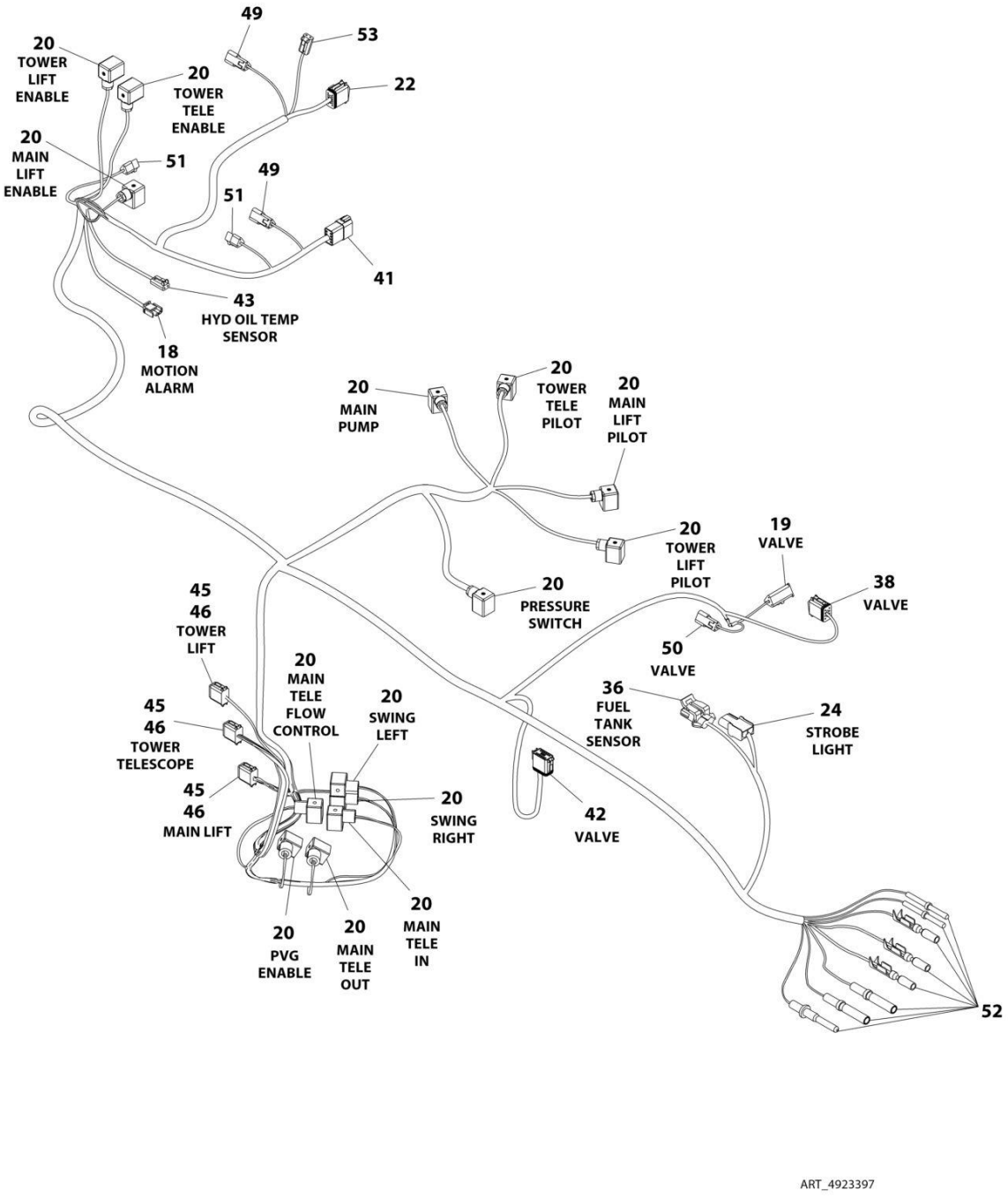
## FIGURE 8-66. MAIN BOOM TRANSPORT SWITCH HARNESS



## FIGURE 8-66. MAIN BOOM TRANSPORT SWITCH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923171 | Ref | MAIN BOOM TRANSPORT SWITCH HARNESS | C |
| 4 | 4360578 | 2 | Switch, Limit | |
| 5 | 4460539 | 1 | Connector - 3 Position | |
| 5 | 4460944 | 3 | Socket, Female (Gold) | |
| 7 | 4460968 | 2 | Connector, Strain Relief | |

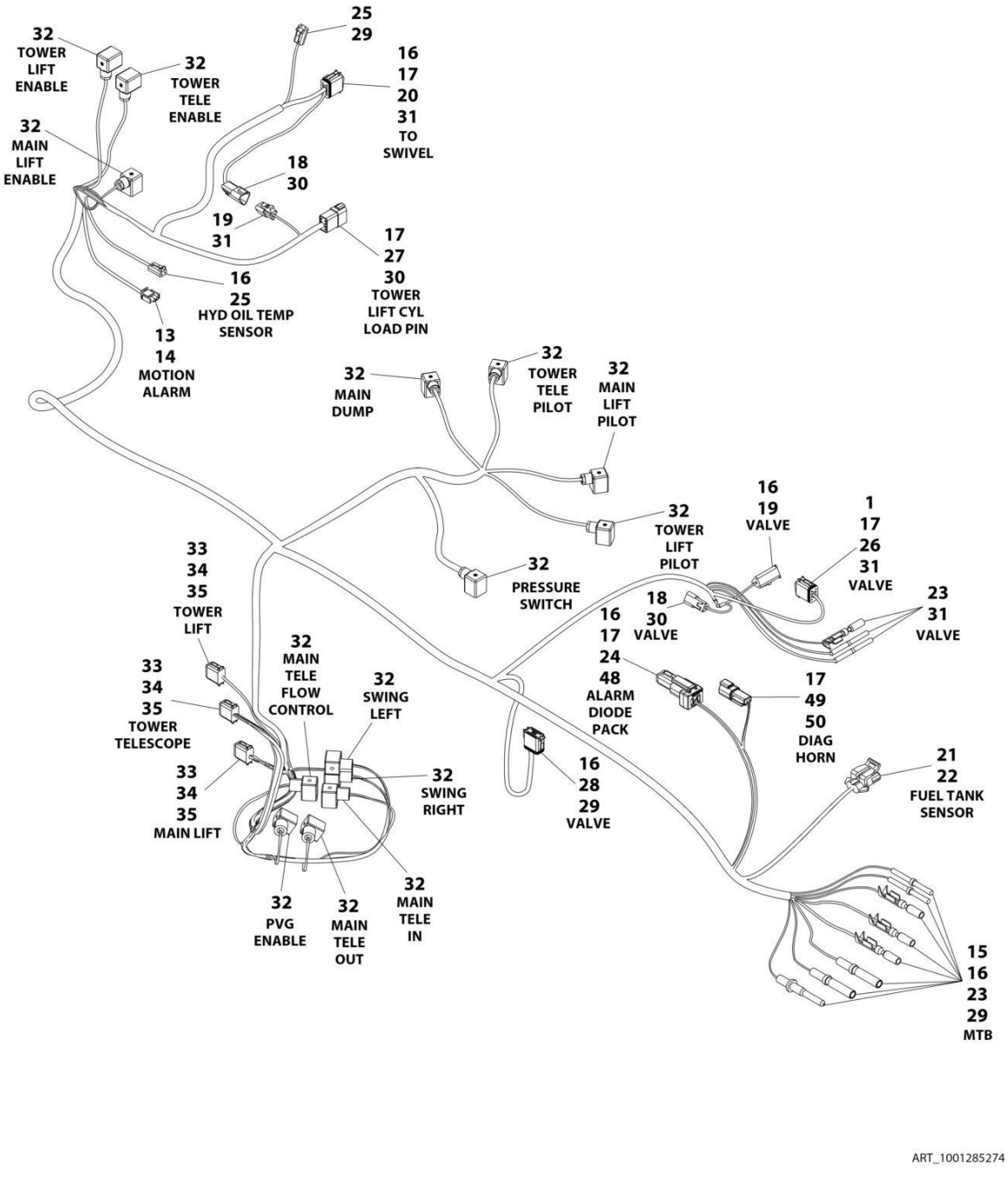
## FIGURE 8-67. MAIN VALVE HARNESS (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)



## FIGURE 8-67. MAIN VALVE HARNESS (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923397 | Ref | MAIN VALVE HARNESS | E |
| 18 | 4460320 | 1 | Connector - 2 Position | |
| 18 | 4460267 | 2 | Pin, Male | |
| 19 | 4460965 | 1 | Connector - 3 Position | |
| 19 | 4460944 | 3 | Socket, Female | |
| 20 | 4460880 | 14 | DIN Connector (with Diode) | |
| | 1001263923 | 1 | DIN COnnector (without Diode) | |
| 22 | 4460836 | 1 | Connector - 12 Position (Black) | |
| 22 | 4460465 | 3 | Socket, Female | |
| 22 | 4460466 | 4 | Plug, Socket | |
| 22 | 4460944 | 3 | Socket, Female 16-18 GA (Gold) | |
| 22 | 4460942 | 2 | Socket, Female 14-16 GA | |
| 24 | 4460424 | 1 | Connector - 2 Position | |
| 24 | 4460268 | 2 | Socket, Female | |
| 36 | 4460843 | 1 | Connector - 2 Position | |
| 36 | 4460842 | 2 | Socket, Female | |
| 38 | 4460930 | 1 | Connector - 8 Position | |
| 38 | 4460944 | 5 | Socket, Female (Gold) | |
| 38 | 4460466 | 3 | Plug, Socket | |
| 38 | 0840062 | 1 | Boot, Deutsch | |
| 41 | 4460931 | 1 | Connector - 8 Position (Gray) | |
| 41 | 4460943 | 5 | Pin, Male (Gold) | |
| 41 | 4460466 | 3 | Plug, Socket | |
| 42 | 4460933 | 1 | Connector - 12 Position (Gray) | |
| 42 | 4460465 | 7 | Socket, Female | |
| 42 | 4460942 | 5 | Socket, Female 14-16 GA | |
| 43 | 4460891 | 1 | Connector - 2 Position | |
| 43 | 4460465 | 2 | Socket, Female | |
| 45 | 4461004 | 3 | Connector - 4 Position (Black) | |
| 45 | 4461005 | 12 | Terminal | |
| 45 | 4461006 | 12 | Seal | |
| 46 | 4461007 | 3 | Connector - 4 Position (Gray) | |
| 46 | 4461008 | 12 | Plug, Hole | |
| 49 | 4460536 | 2 | Connector - 3 Position | |
| 49 | 4460943 | 6 | Pin, Male (Gold) | |
| 50 | 4460536 | 1 | Connector - 3 Position | |
| 50 | 4460943 | 3 | Pin, Male (Gold) | |
| 50 | 1060698 | AR | Cable 18/4 | |
| 51 | 4460539 | AR | Connector - 3 Position | |
| 51 | 4460944 | 6 | Socket, Female (Gold) | |
| 52 | 4460465 | 3 | Socket, Female | |
| 52 | 4460944 | 2 | Socket, Female (Gold) | |
| 52 | 4460871 | 29 | Socket, Female | |
| 52 | 4460464 | 1 | Pin, Male | |
| 52 | 4460942 | 3 | Socket, Female | |
| 52 | 4460419 | 2 | Socket, Female | |
| 53 | 4460891 | 1 | Connector - 2 Position | |
| 53 | 4460942 | 2 | Socket, Female | |

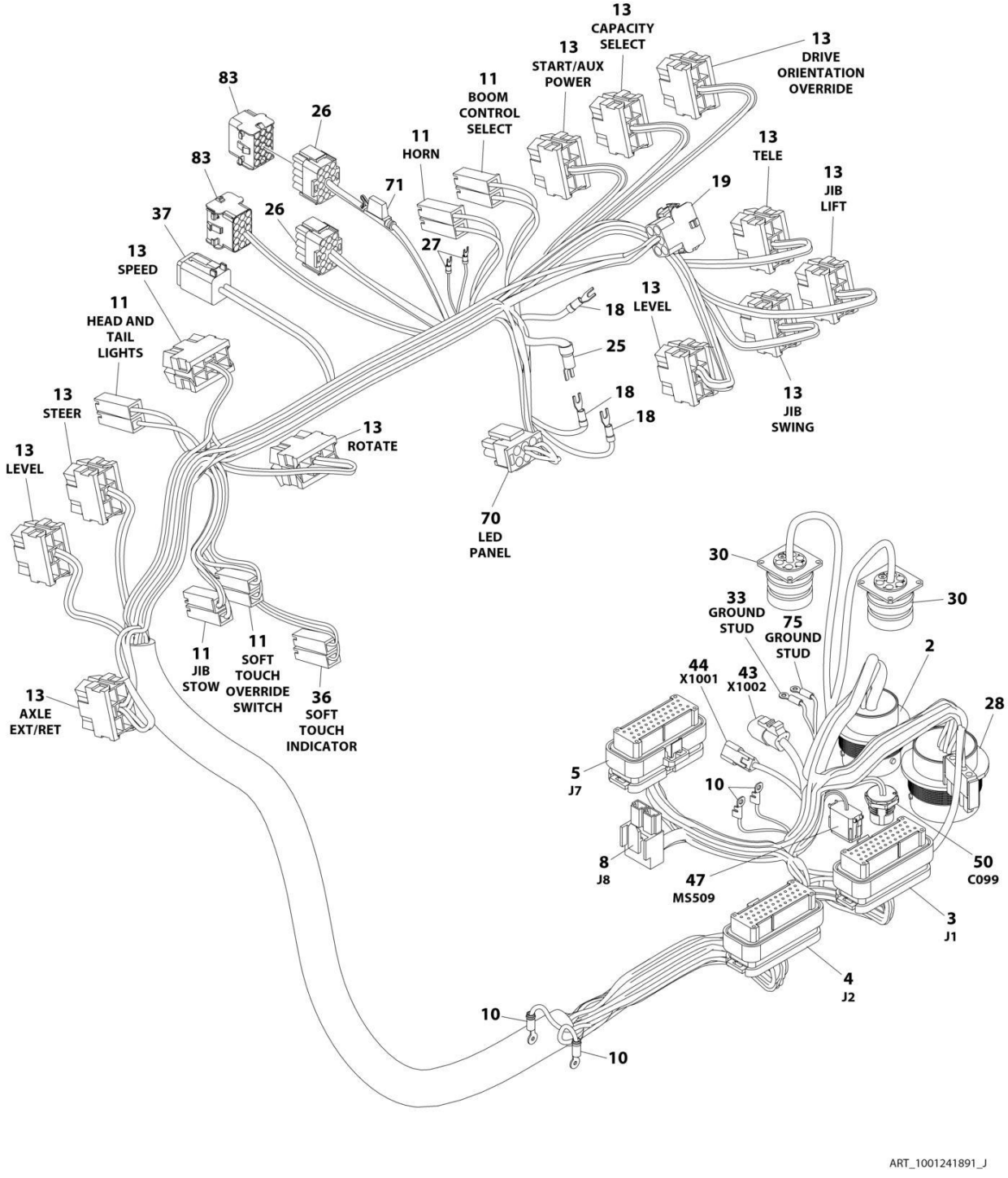
## FIGURE 8-68. MAIN VALVE HARNESS (SN 0300298203 to Present, SN 0300287801 through 0300287807)



## FIGURE 8-68. MAIN VALVE HARNESS (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001285274 | Ref | MAIN VALVE HARNESS | A |
| 1 | 0840062 | 1 | Boot | |
| 13 | 4460267 | 2 | Pin | |
| 14 | 4460320 | 1 | Connector | |
| 15 | 4460419 | 2 | Socket 17 - 14AWG (Tin) | |
| 16 | 4460465 | 19 | Socket 20 - 16AWG (Nickel) | |
| 17 | 4460466 | 12 | Plug | |
| 18 | 4460536 | 2 | Connector | |
| 19 | 4460539 | 2 | Connector | |
| 20 | 4460836 | 1 | Connector | |
| 21 | 4460842 | 2 | Socket | |
| 22 | 4460843 | 1 | Connector | |
| 23 | 4460871 | 29 | Socket 20 - 16AWG (Gold) | |
| 24 | 4460884 | 1 | Connector | |
| 25 | 4460891 | 2 | Connector | |
| 26 | 4460930 | 1 | Connector | |
| 27 | 4460931 | 1 | Connector | |
| 28 | 4460933 | 2 | Connector | |
| 29 | 4460942 | 8 | Socket 16 - 14AWG (Nickel) | |
| 30 | 4460943 | 11 | Pin | |
| 31 | 4460944 | 16 | Socket 20 - 16AWG (Gold) | |
| 32 | 1001263923 | 14 | Connector | |
| 33 | 4461004 | 3 | Connector | |
| 34 | 4461005 | 12 | Terminal | |
| 35 | 4461006 | 12 | Seal | |
| 36 | 4461007 | 3 | Connector (Not Shown - Use with Item #33 4461004) | |
| 37 | 4461008 | 12 | Plug (Not Shown - Use with Item #33 4461004) | |
| 48 | 1001152266 | 1 | Connector, Diode Pack | |
| 49 | 4460897 | 1 | Connector | |
| 50 | 4460464 | 1 | Pin | |

## FIGURE 8-69. PLATFORM CONSOLE BOX HARNESS



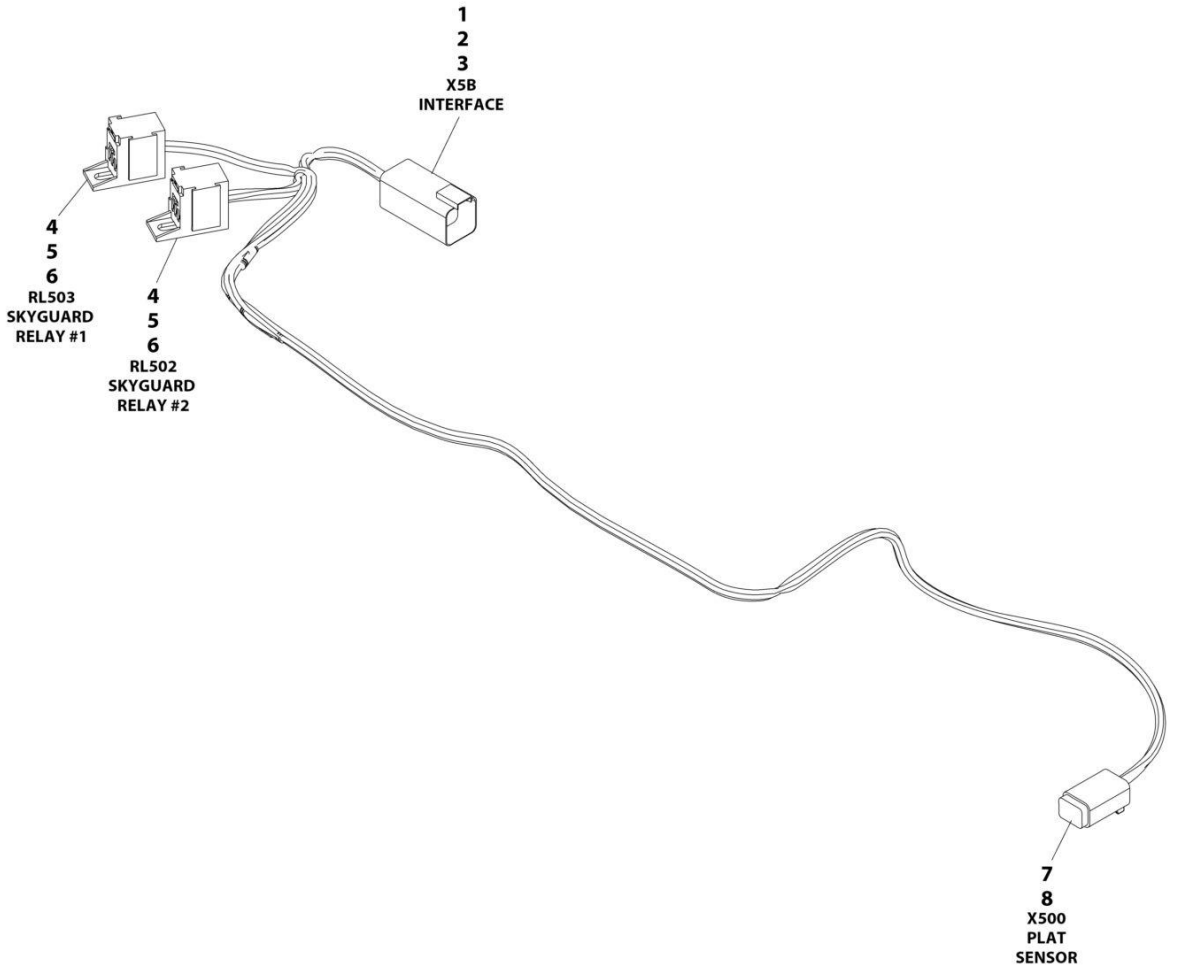
## FIGURE 8-69. PLATFORM CONSOLE BOX HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001241891 | Ref | PLATFORM CONSOLE BOX HARNESS | J |
| 2 | 4460866 | 1 | Connector - 19 Pin | |
| 2 | 4460464 | 7 | Pin, Male Deutsch 16 Ga | |
| 2 | 4460508 | 4 | Pin, Male Deutsch 12 Ga | |
| 2 | 4460943 | 3 | Pin, Male 16 Ga (Gold) | |
| 2 | 4460466 | 5 | Plug | |
| 3 | 4460874 | 1 | Connector - 35 Position (Natural) | |
| 3 | 4460871 | 33 | Socket, Female | |
| 3 | 4460905 | 2 | Plug | |
| 4 | 4460876 | 1 | Connector - 35 Position (Blue) | |
| 4 | 4460871 | 20 | Socket, Female | |
| 4 | 4460905 | 20 | Plug | |
| 5 | 4460873 | 1 | Connector - 35 Position (Black) | |
| 5 | 4460871 | 26 | Socket, Female | |
| 5 | 4460905 | 8 | Plug | |
| 8 | 4460879 | 1 | Connector - 2 Position | |
| 8 | 4460887 | 2 | Terminal | |
| 10 | 4460213 | 4 | Terminal Eyelet | |
| 11 | 4460260 | 10 | Terminal, Housing | |
| 11 | 4460259 | 10 | Terminal | |
| 13 | 4460418 | 12 | Connector, Female - 6 Position | |
| 13 | 4460419 | 12 | Socket, Female | |
| 13 | 1001159186 | 22 | Terminal | |
| 18 | 4460888 | 3 | Terminal, Fork | |
| 19 | 4460225 | 1 | Connector - 6 Position | |
| 19 | 4460227 | 5 | Terminal (16 Gauge) | |
| 25 | 4460806 | 1 | Terminal, Fork | |
| 26 | 4460434 | 2 | Connector - 15 Position | |
| 26 | 4460227 | 16 | Pin, Male | |
| 26 | 4460267 | 1 | Pin, Male | |
| 27 | 4460183 | 11 | Terminal, Fork | |
| 28 | 4460925 | 1 | Connector - 21 Pin | |
| 28 | 1001126011 | 13 | Pin, Male Deutsch 16 Ga | |
| 28 | 4460466 | 8 | Plug | |
| 30 | 1001121616 | 2 | Connector - 6 Position | |
| 30 | 1001121615 | 2 | Base, Mounting | |
| 33 | 4460142 | 1 | Terminal, Eyelet | |
| 36 | 4460016 | 2 | Terminal (16 - 14AWG) | |
| 36 | 1001271497 | 2 | Terminal (22 - 18AWG) | |
| 37 | 4460894 | 1 | Connector - 6 Position | |
| 37 | 4460465 | 5 | Socket, Female | |
| 37 | 4460466 | 1 | Plug | |
| 43 | 4460539 | 1 | Plug, Male - 3 Position | |
| 43 | 4460944 | 3 | Socket, Female (Gold) | |
| 44 | 4460536 | 1 | Connector - 3 Position | |
| 44 | 4460943 | 3 | Pin, Male (Gold) | |
| 47 | 4460933 | 1 | Connector, Gray - 12 Position | |
| 47 | 4460944 | 10 | Socket, Female (Gold) | |
| 47 | 4460466 | 2 | Plug | |
| 47 | 1001119020 | 1 | Bussbar - 12 Position | |

# SECTION 8 - ELECTRICAL

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 50 | 1001213447 | 1 | Connector - 5 Position | |
| 70 | 1001237667 | 1 | Connector - 6 Position | |
| 70 | 1001237668 | 4 | Socket, Female (Gold) | |
| 71 | 2400060 | 1 | Holder, Fuse | |
| 71 | 8229249 | 1 | Fuse | |
| 75 | 4460042 | 1 | Terminal, Ring | |
| 83 | 4460708 | 2 | Plug, Male - 15 Position | |
| 83 | 4460226 | 2 | Socket, Female | |

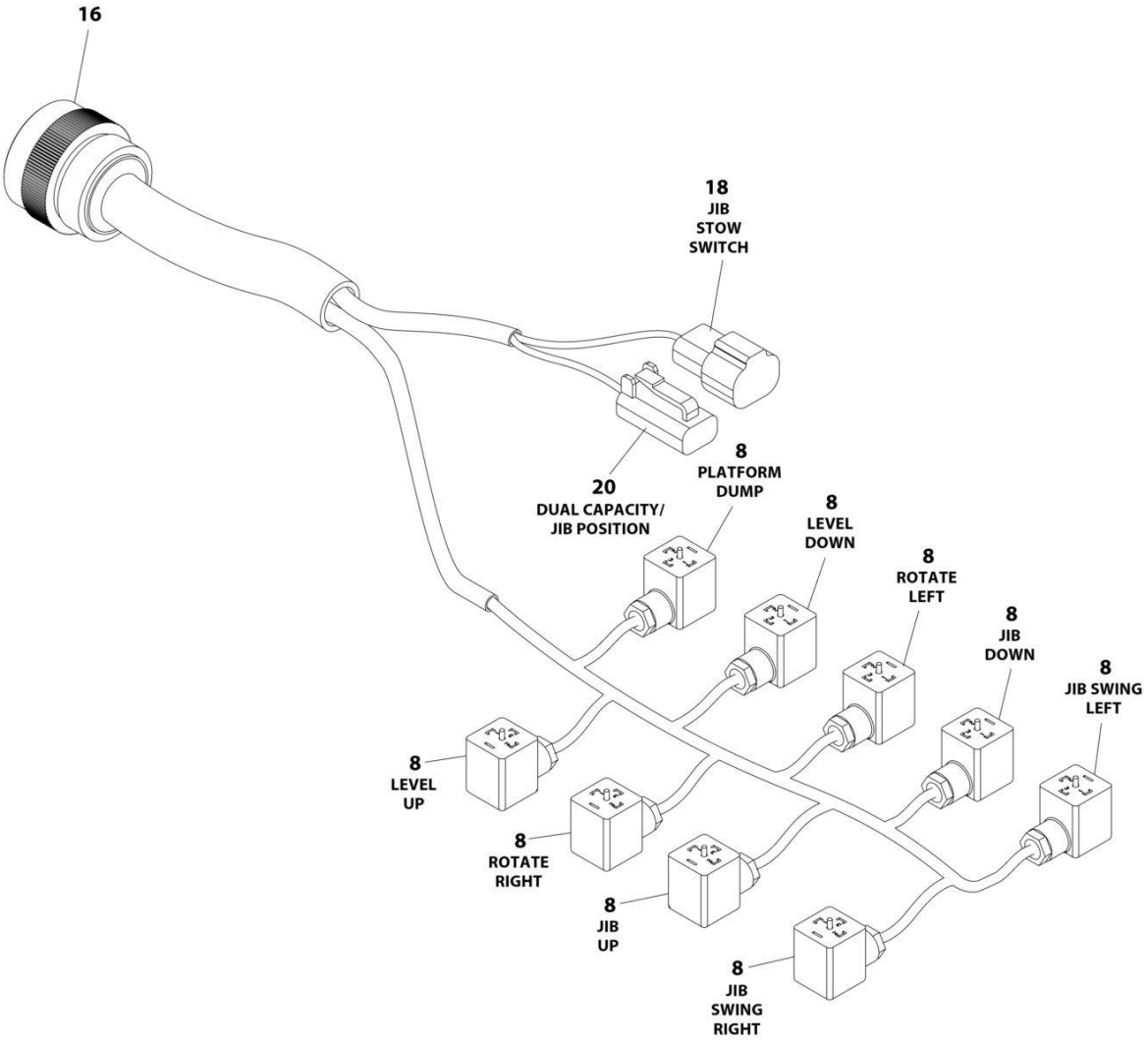
## FIGURE 8-70. SKYGUARD INERFACE HARNESS



## FIGURE 8-70. SKYGUARD INERFACE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225580 | Ref | PLATFORM INTERFACE HARNESS - WITH 1 CELL LSS | E |
| 1 | 4460899 | 1 | Connector | |
| 2 | 4460464 | 4 | Terminal | |
| 3 | 4460466 | 2 | Plug | |
| 4 | 1001186432 | 2 | Connector | |
| 5 | 1001253375 | 4 | Terminal | |
| 6 | 1001104519 | 4 | Terminal | |
| 7 | 4460884 | 1 | Connector | |
| 8 | 4460465 | 4 | Terminal | |

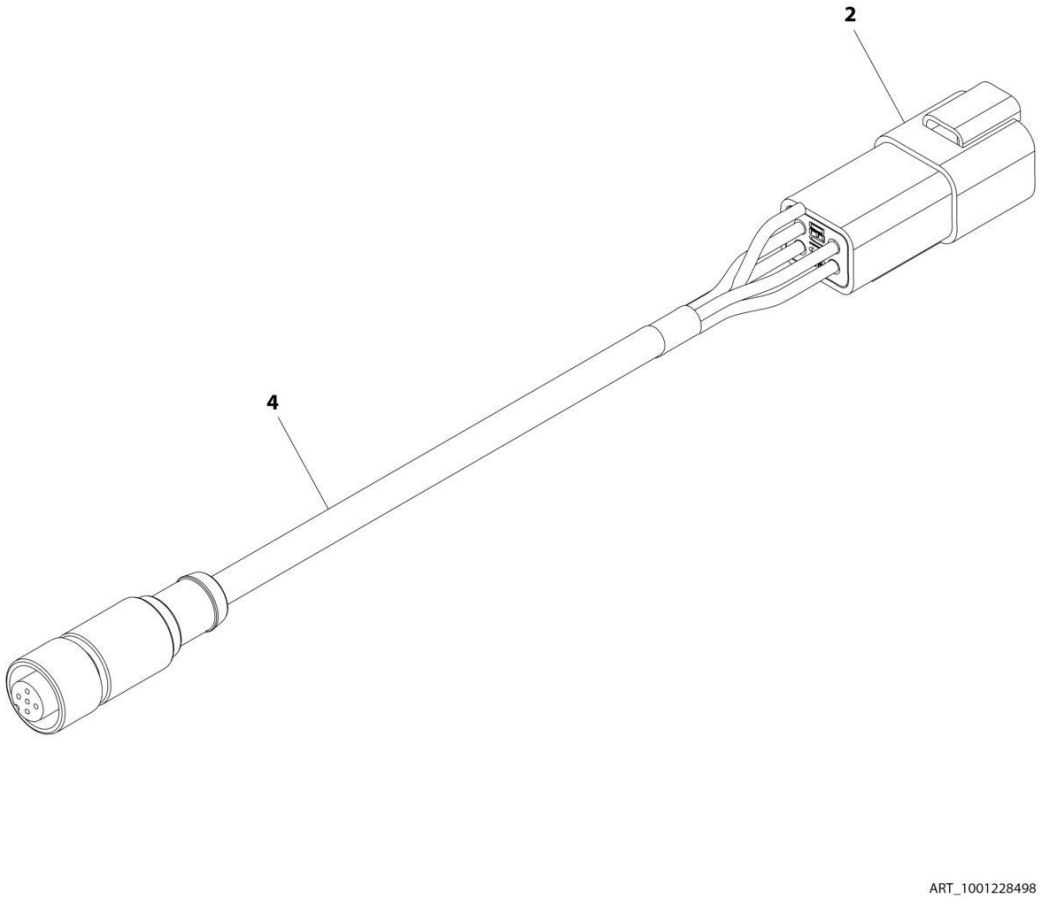
## FIGURE 8-71. PLATFORM VALVE HARNESS



## FIGURE 8-71. PLATFORM VALVE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922777 | Ref | PLATFORM VALVE HARNESS | E |
| 7 | 4240033 | 10 | Tie-Strap (Not Shown) | |
| 8 | 1001263923 | 9 | DIN Connector | |
| 16 | 4460926 | 1 | Connector - 21 Position | |
| 16 | 4460928 | 13 | Socket, Female | |
| 16 | 4460466 | 8 | Plug, Hole | |
| 18 | 4460897 | 1 | Connector - 2 Position | |
| 18 | 4460464 | 2 | Pin, Male | |
| 20 | 4460891 | 1 | Plug, Male - 2 Position | |
| 20 | 4460465 | 2 | Socket, Female | |

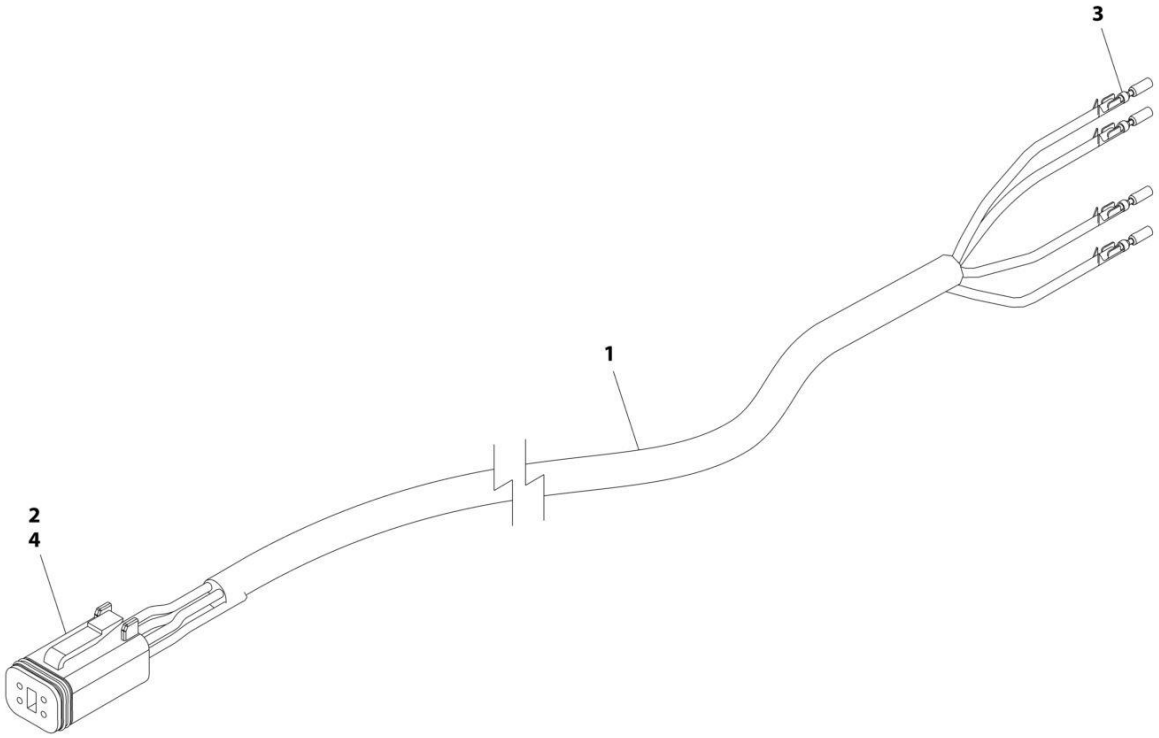
## FIGURE 8-72. PRESSURE TRANSDUCER HARNESS



## FIGURE 8-72. PRESSURE TRANSDUCER HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228498 | Ref | PRESSURE TRANSDUCER HARNESS | A |
| 2 | 4460932 | 1 | Connector - 3 Position | |
| 2 | 4460464 | 4 | Pin, Male | |
| 4 | 1001120634 | 1 | Cable, Shielded M12 | |

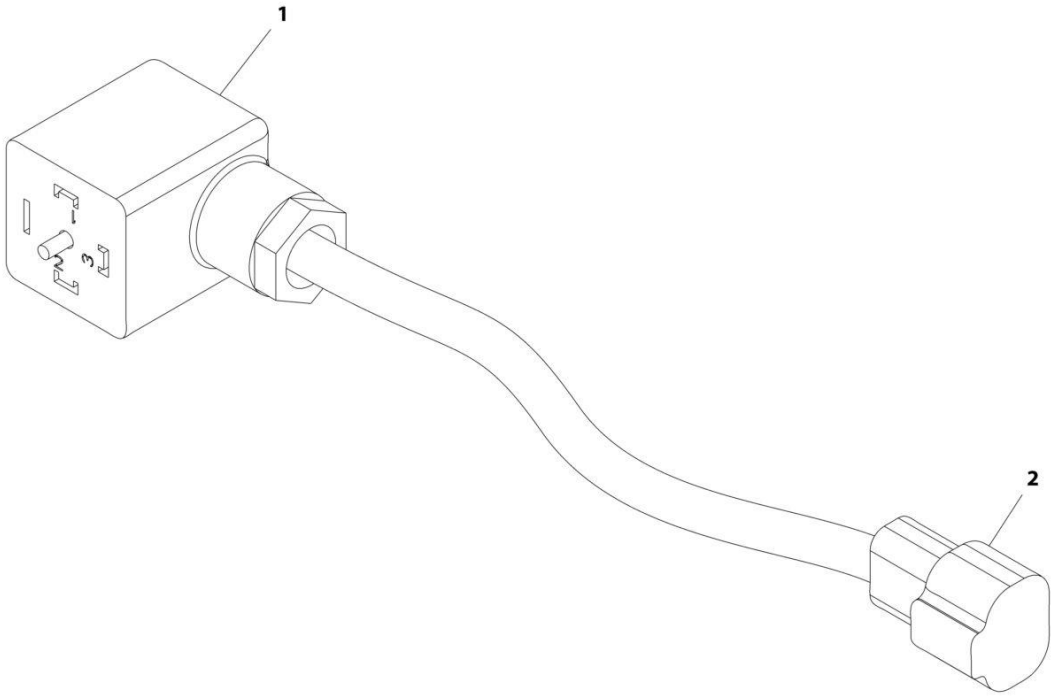
## FIGURE 8-73. PRESSURE TRANSDUCER HARNESS



## FIGURE 8-73. PRESSURE TRANSDUCER HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001228497 | Ref | PRESSURE TRANSDUCER HARNESS | A |
| 1 | 1060981 | 11 ft/ 3.35m | Cable, Electrical 18/3 | |
| 2 | 4460465 | 4 | Socket, Female | |
| 3 | 4460871 | 4 | Socket, Female | |
| 4 | 4460884 | 1 | Connector - 4 Position | |

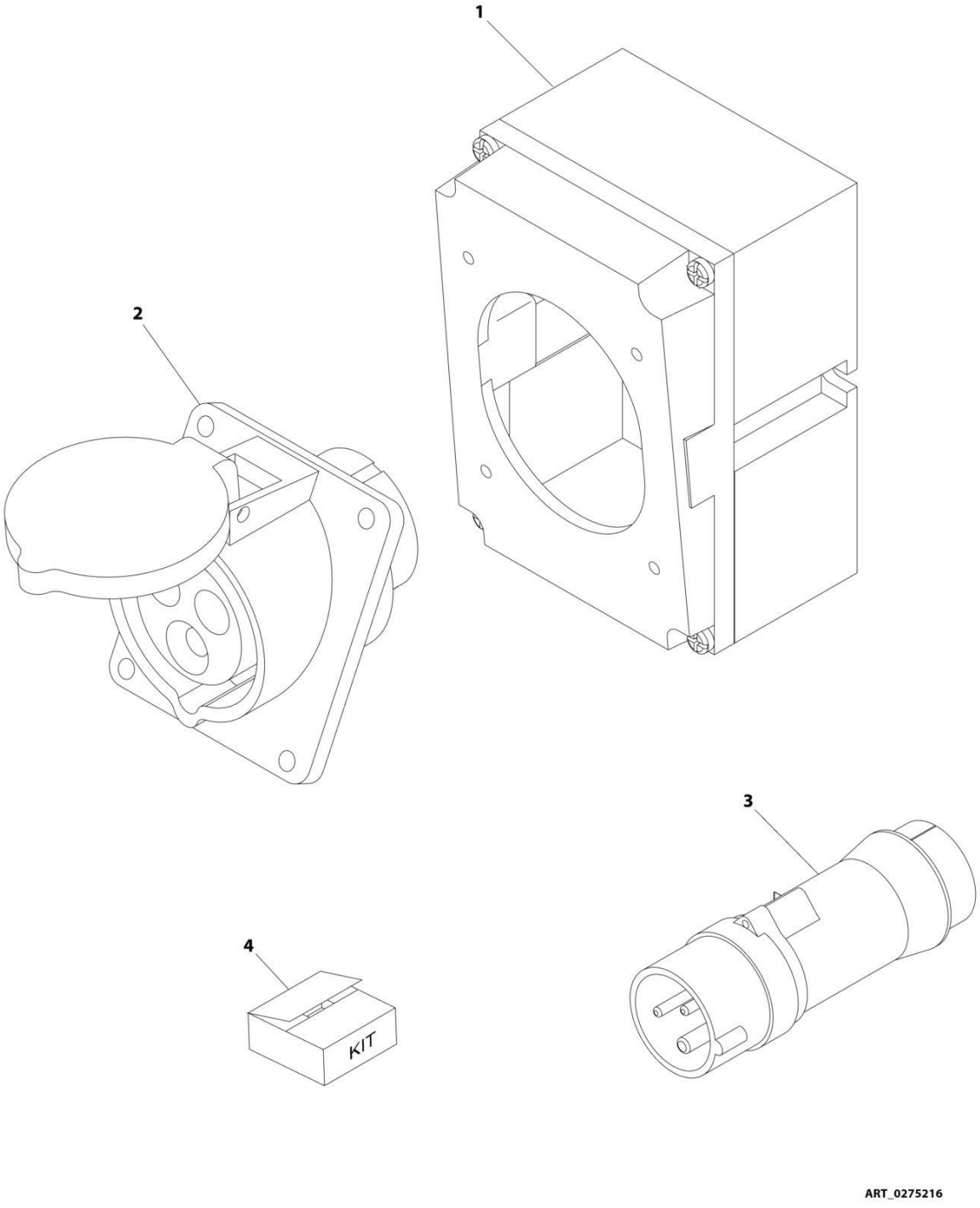
## FIGURE 8-74. PUMP ADAPTER HARNESS - SAUER PUMPS



## FIGURE 8-74. PUMP ADAPTER HARNESS - SAUER PUMPS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001119456 | Ref | PUMP ADAPTER HARNESS - SAUER PUMPS | C |
| 1 | 4460880 | 2 | DIN Connector | |
| 2 | 4460897 | 2 | Connector - 2 Position | |
| 2 | 4460464 | 4 | Pin, Male | |

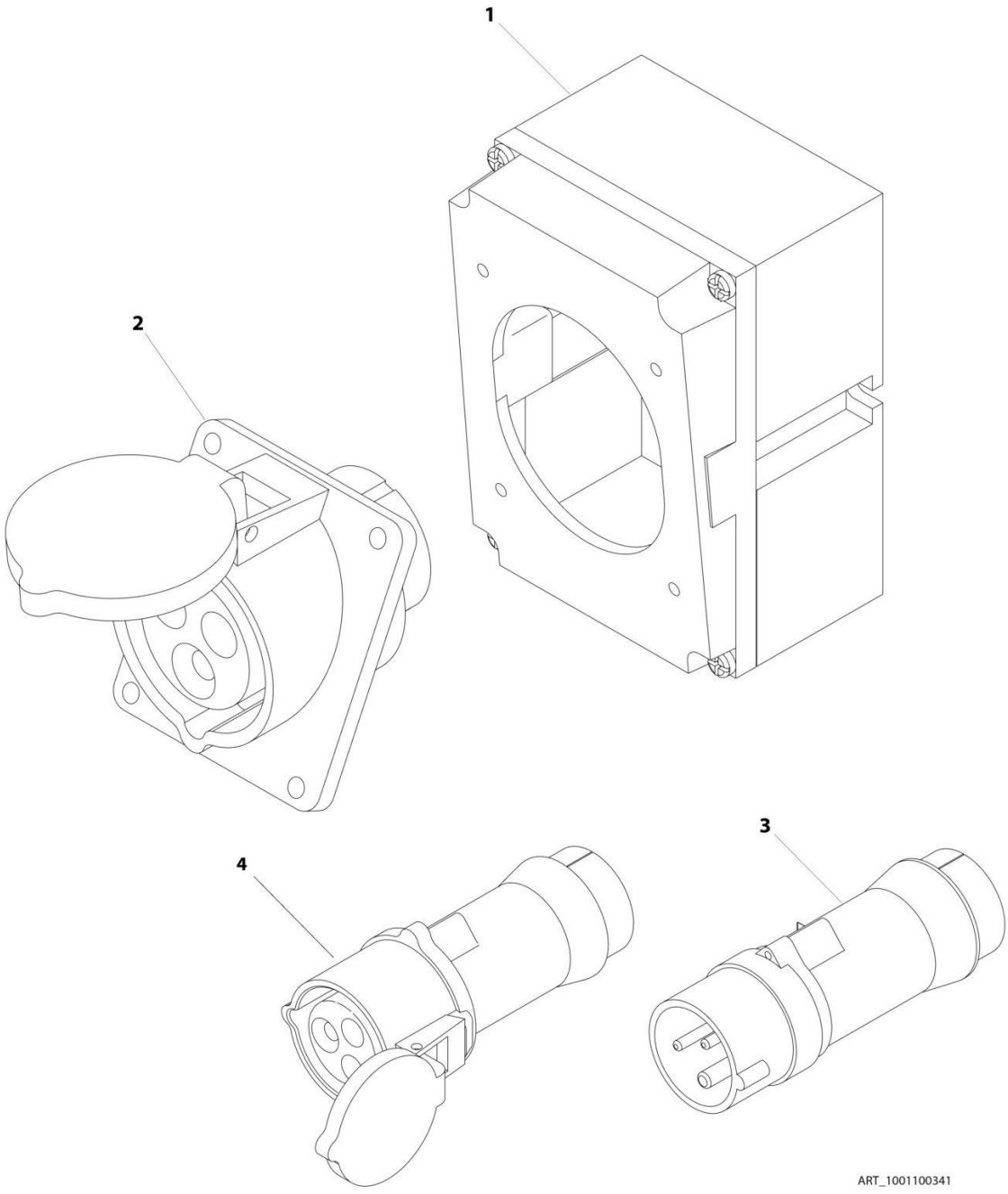
## FIGURE 8-75. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-75. RECEPTACLE BOX KIT - 110V IEC YELLOW WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| 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) | |

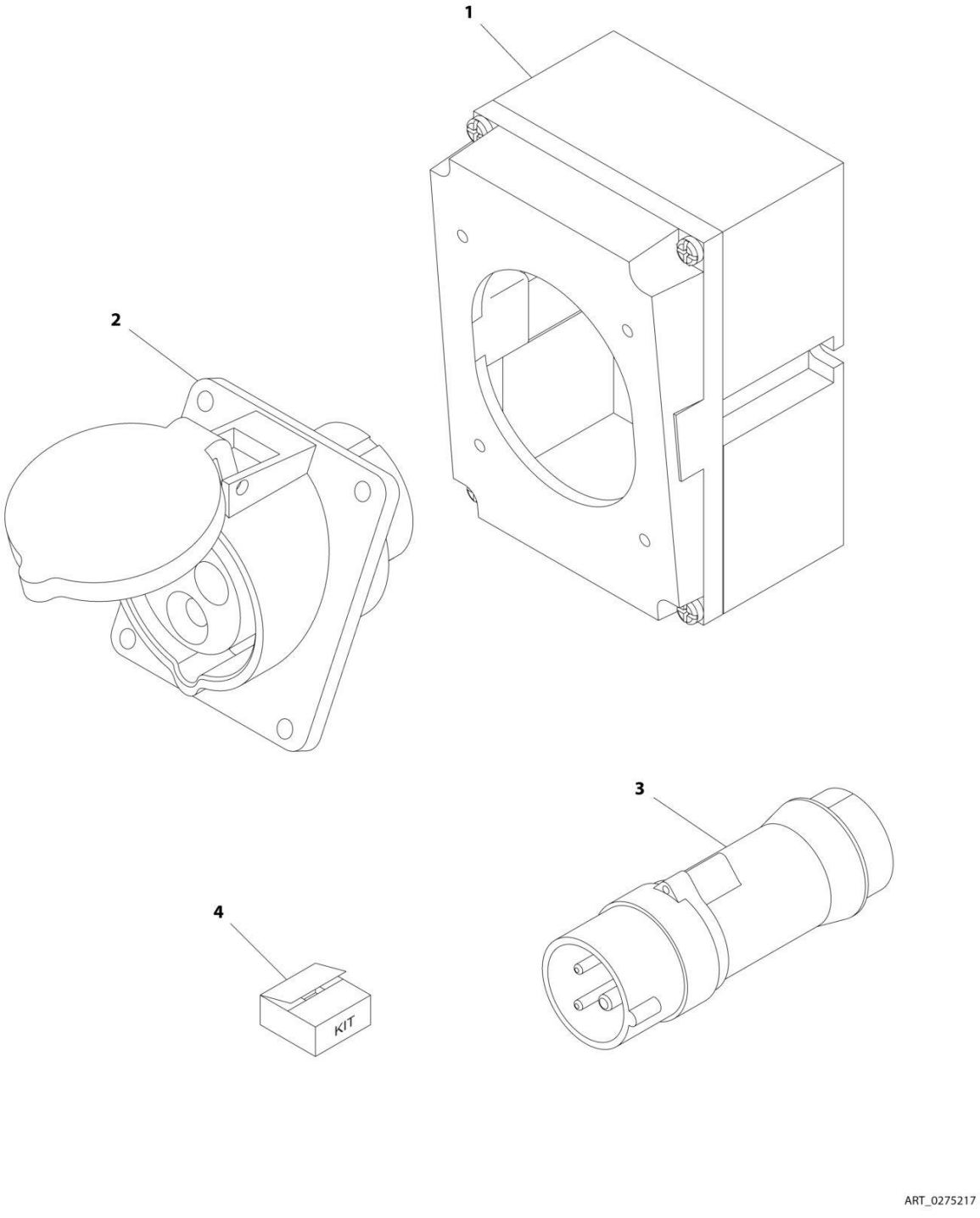
## FIGURE 8-76. RECEPTACLE BOX KIT - 110V IEC YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-76. RECEPTACLE BOX KIT - 110V IEC YELLOW WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100341 | Ref | RECEPTACLE BOX KIT - 110V IEC YELLOW | 2 |
| 1 | 0861781 | 1 | Box, Switch | |
| 2 | 4461198 | 1 | Receptacle | |
| 3 | 4461196 | 1 | Plug, Male | |
| 4 | 4461197 | 1 | Plug, Female | |

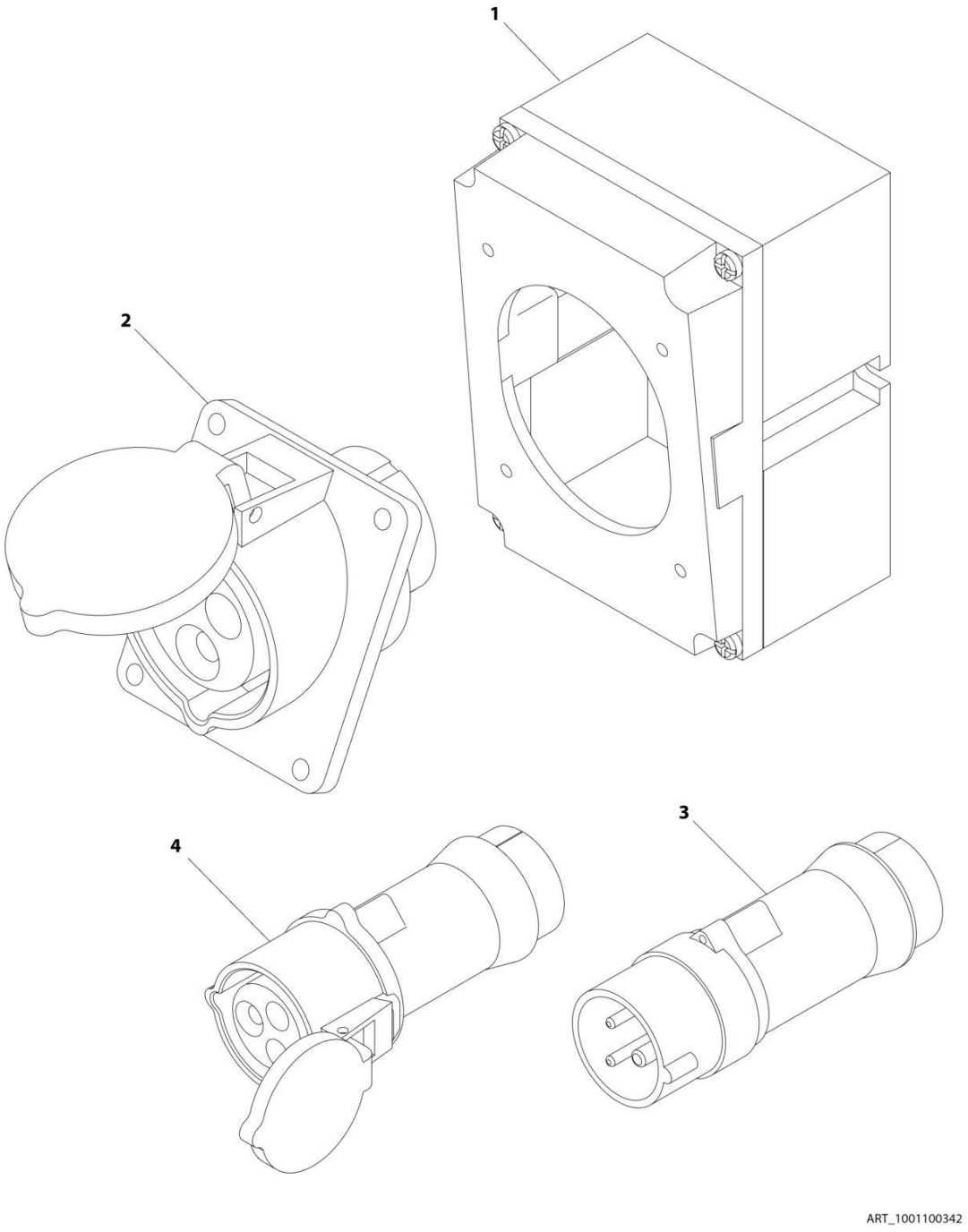
## FIGURE 8-77. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-77. RECEPTACLE BOX KIT - 220V IEC BLUE WITHOUT 2500W GENERATOR (CE & UK CA SPECS)

| 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) | |

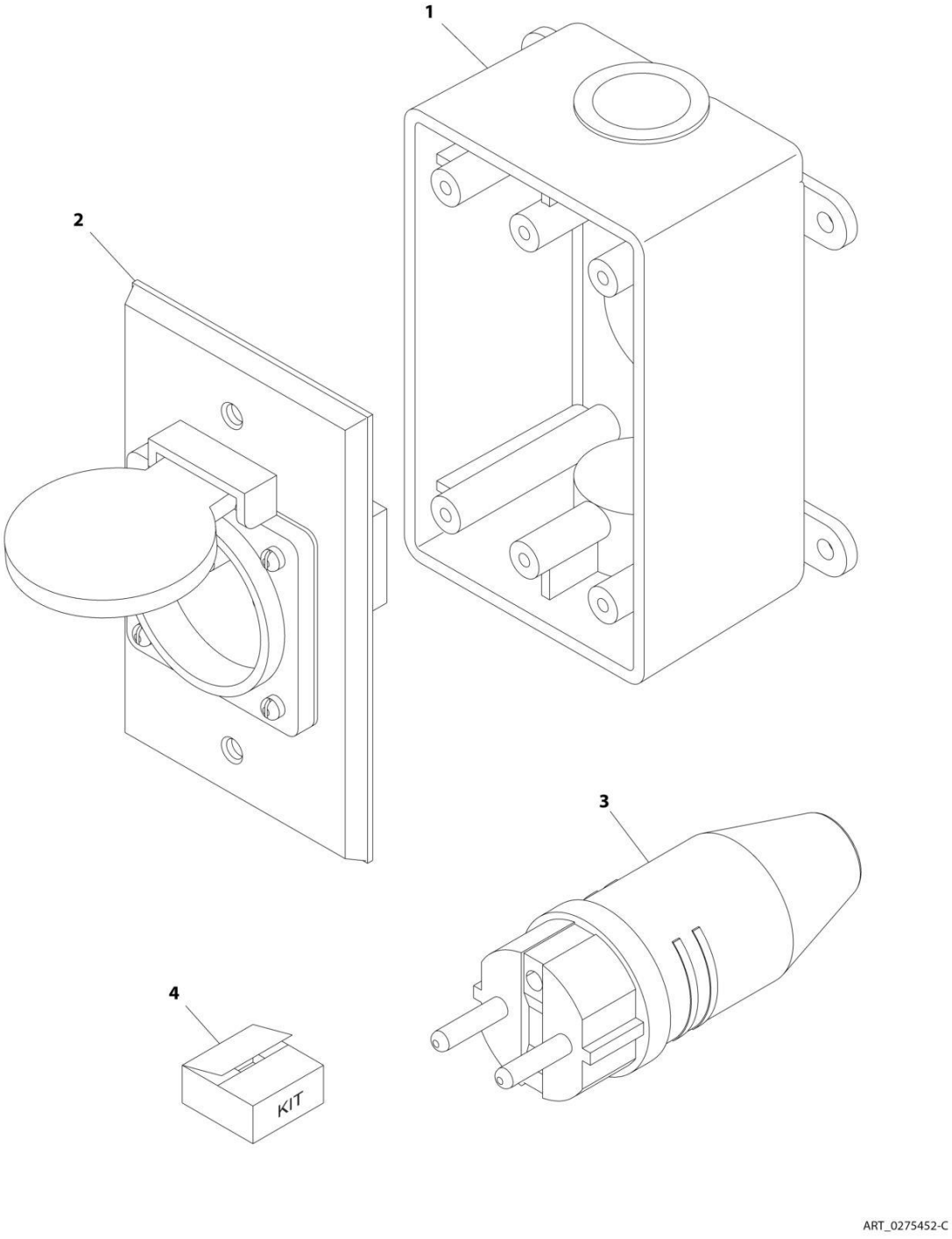
## FIGURE 8-78. RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)



## FIGURE 8-78. RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100342 | Ref | RECEPTACLE BOX KIT - 220V IEC BLUE WITH 2500W GENERATOR (CE & UK CA SPECS) | 2 |
| 1 | 0861781 | 1 | Box, Switch | |
| 2 | 4461201 | 1 | Receptacle | |
| 3 | 4461199 | 1 | Plug, Male | |
| 4 | 4461200 | 1 | Plug, Female | |

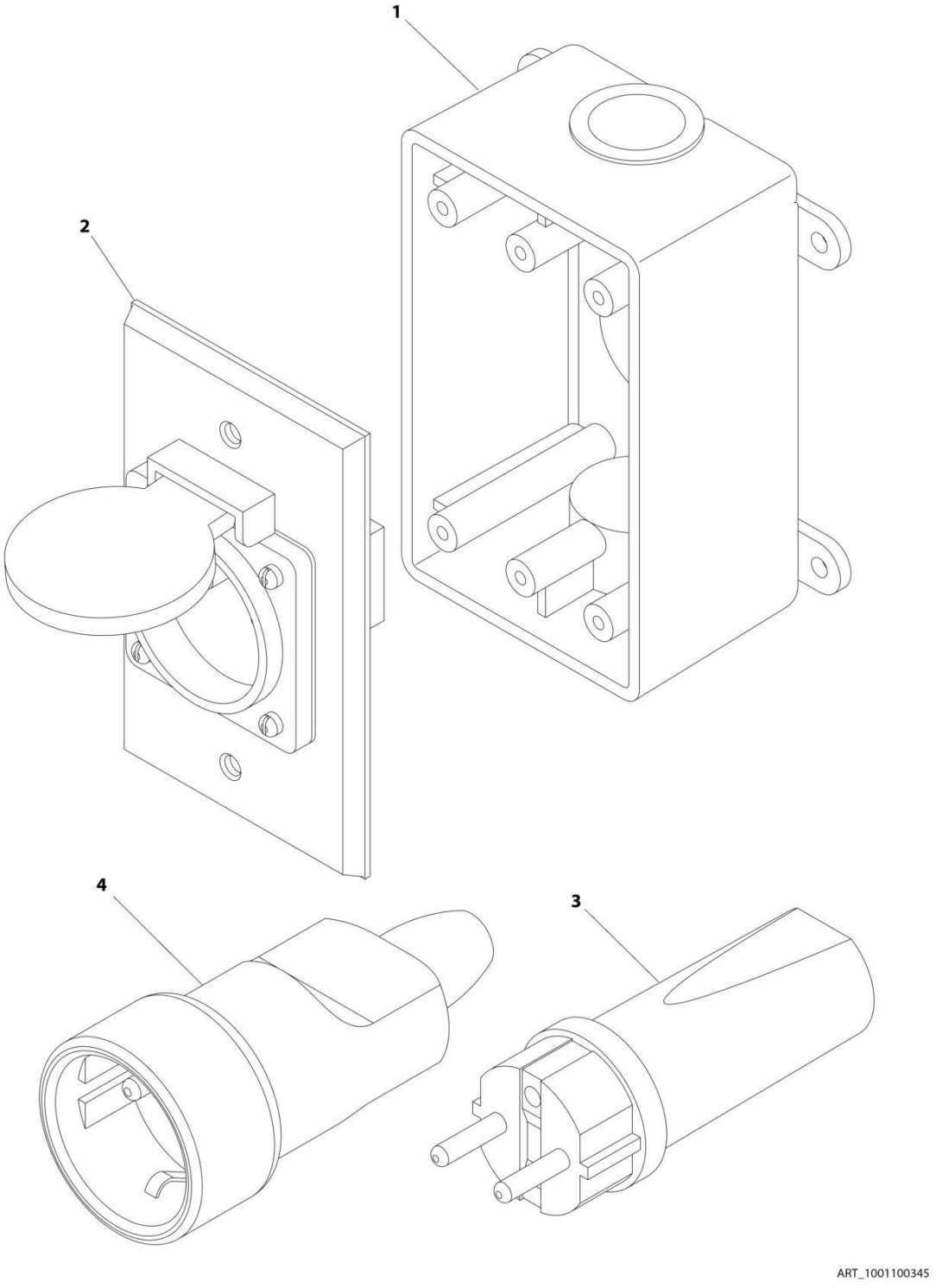
## FIGURE 8-79. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-79. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITHOUT 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)

| 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) | |

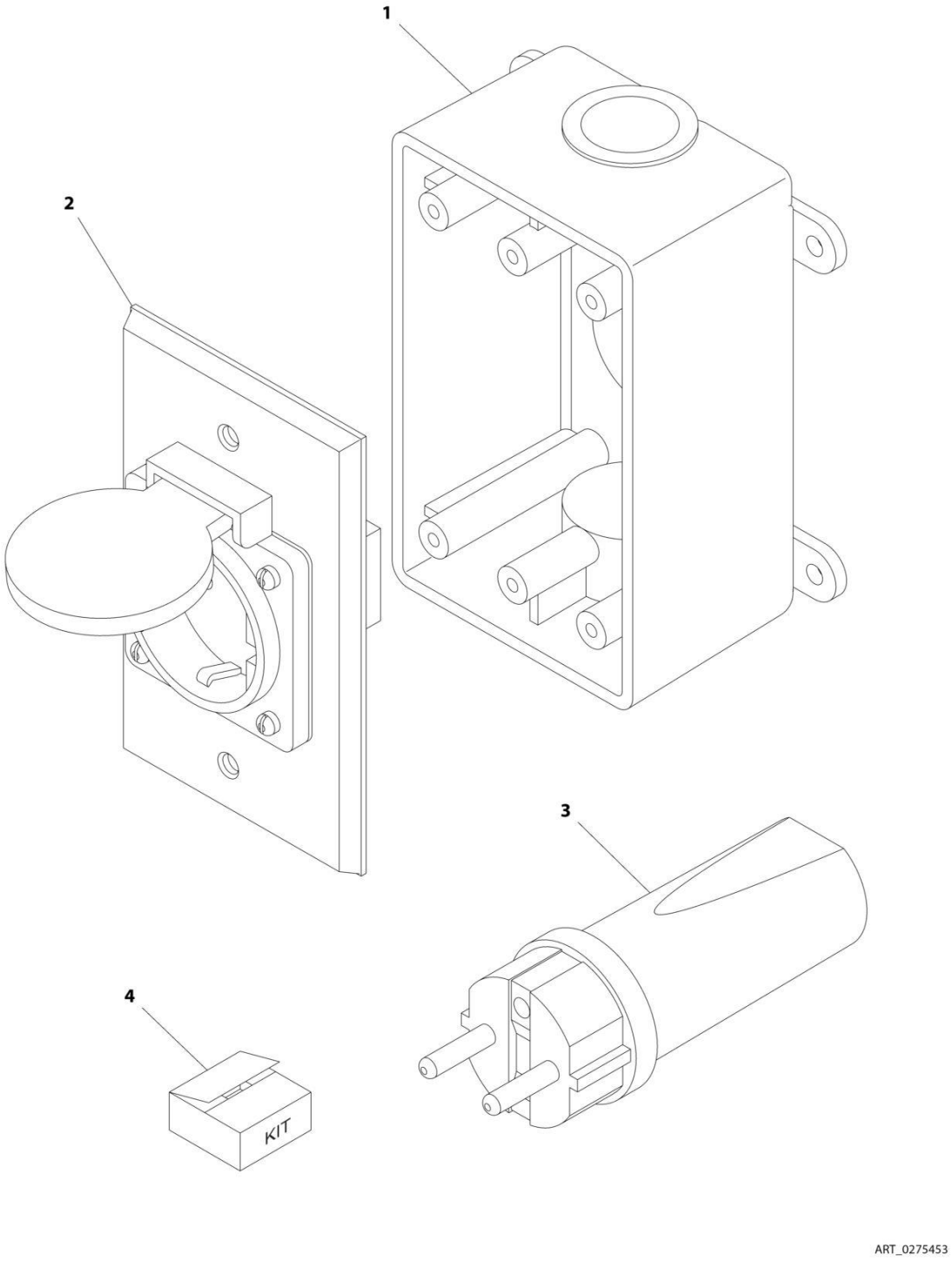
## FIGURE 8-80. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITH 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-80. RECEPTACLE BOX KIT - 220V CEE7 POST GROUND WITH 2500W GENERSTOR (2X4 BOX) (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100345 | Ref | RECEPTACLE BOX KIT - 220V CEE7 POST GROUND | C |
| 1 | 0861731 | 1 | Box, Switch | |
| 2 | 4461244 | 1 | Receptacle | |
| 3 | 4461205 | 1 | Plug, Male | |
| 4 | 4461203 | 1 | Plug, Female | |

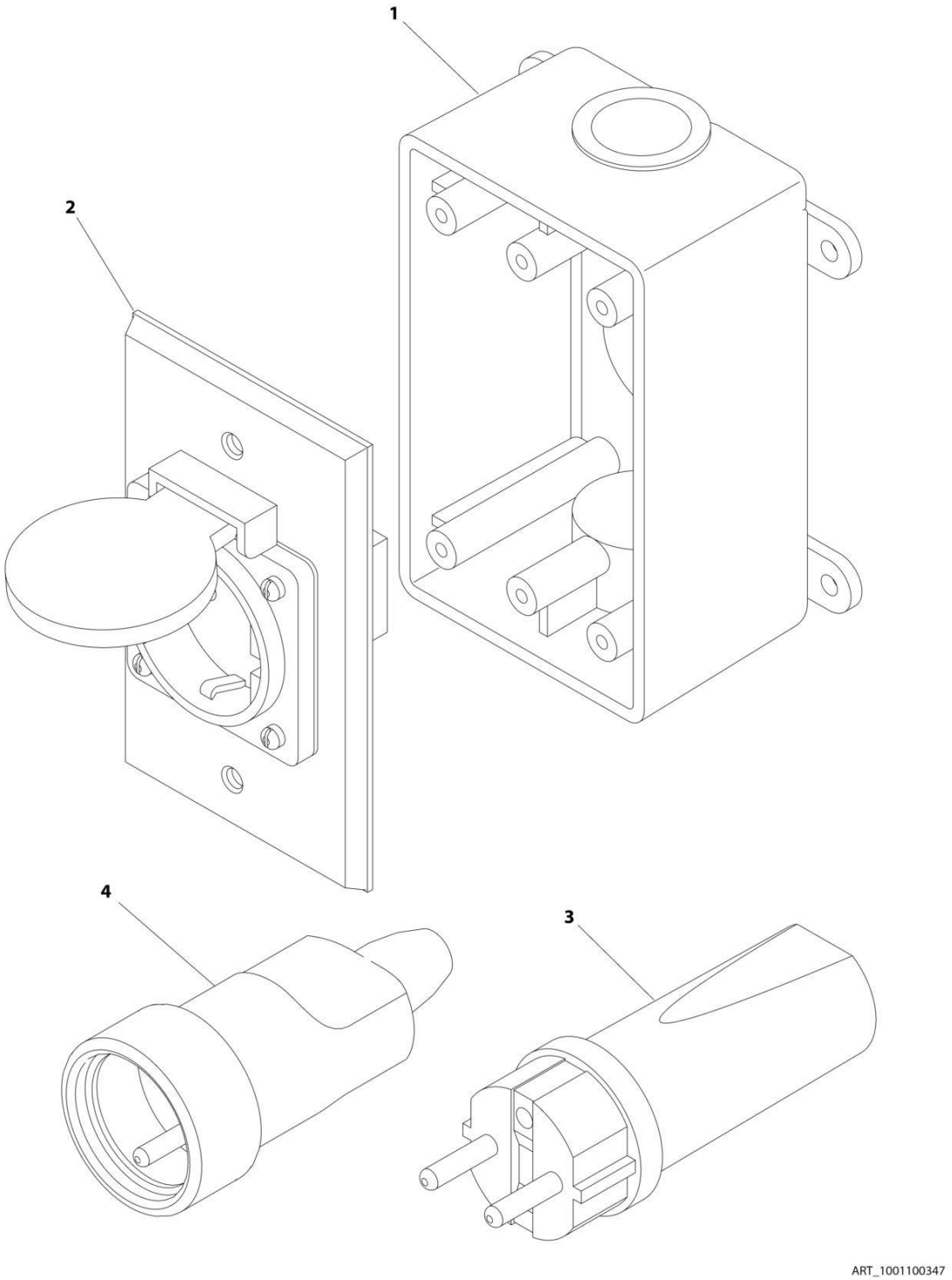
## FIGURE 8-81. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-81. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)

| 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) | |

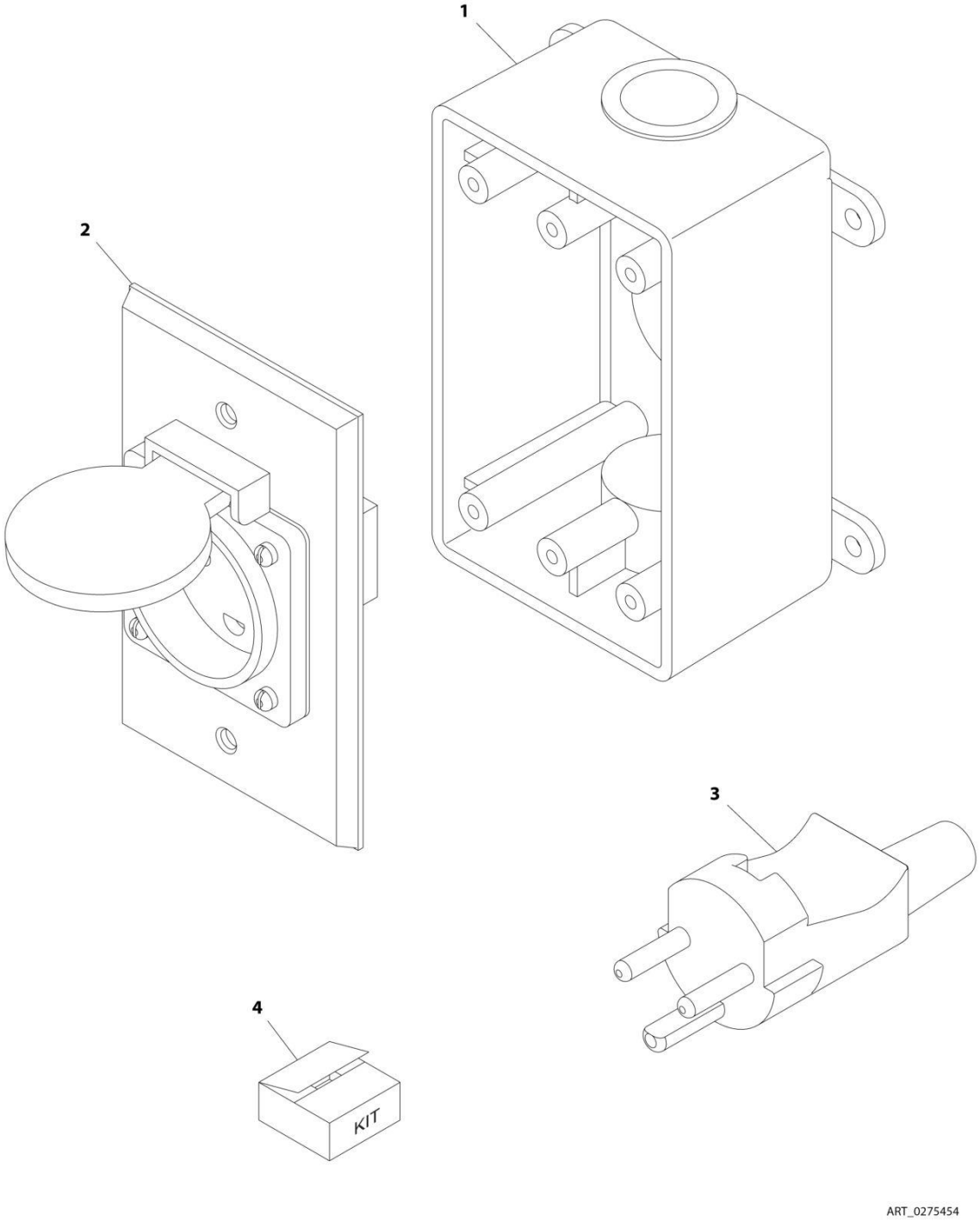
## FIGURE 8-82. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-82. RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100347 | Ref | RECEPTACLE BOX KIT - 220V CEE7 SIDE GROUND | 3 |
| 1 | 0861731 | 1 | Box, Switch | |
| 2 | 4461245 | 1 | Receptacle | |
| 3 | 4461205 | 1 | Plug, Male | |
| 4 | 4461206 | 1 | Plug, Female | |

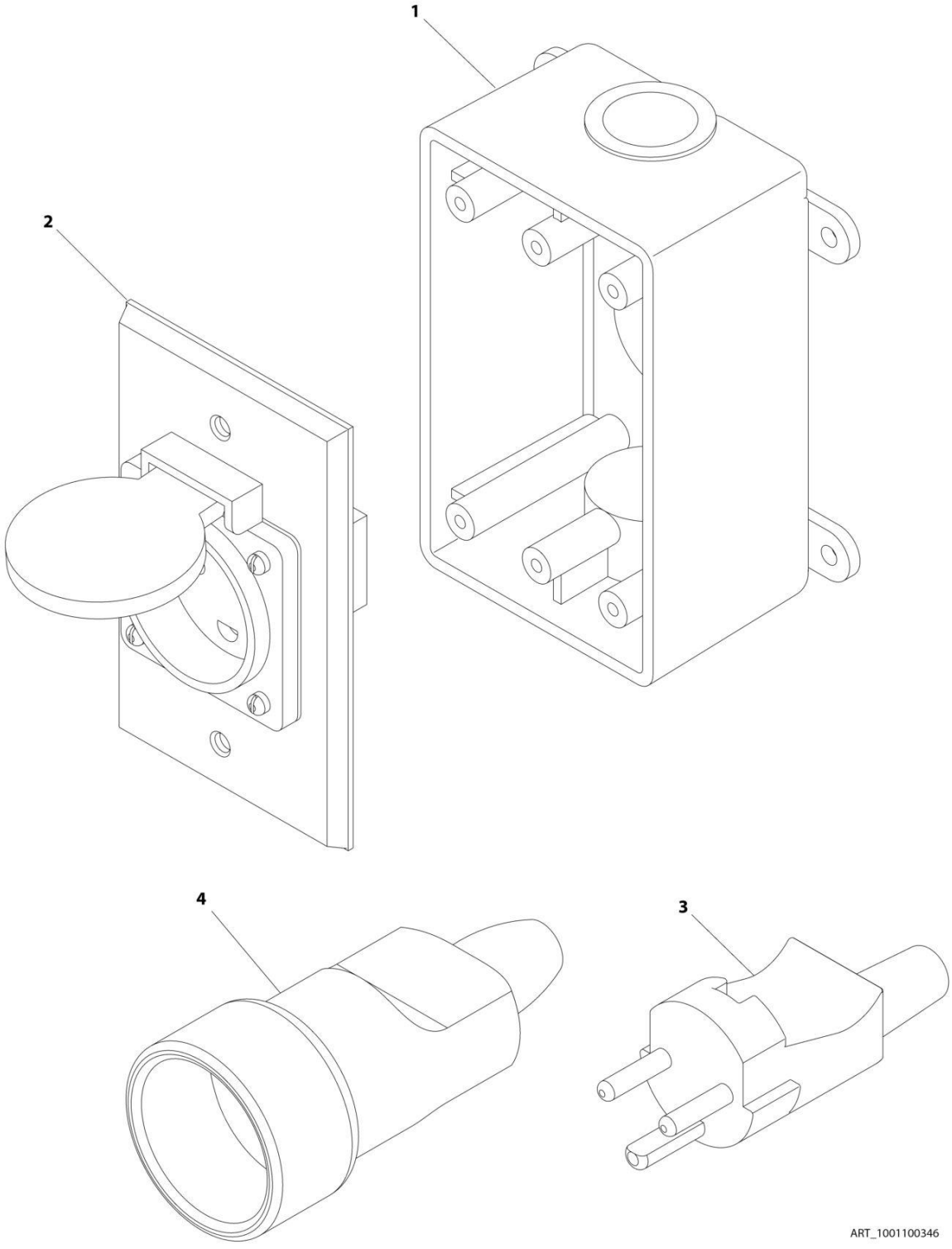
## FIGURE 8-83. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-83. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITHOUT 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)

| 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) | |

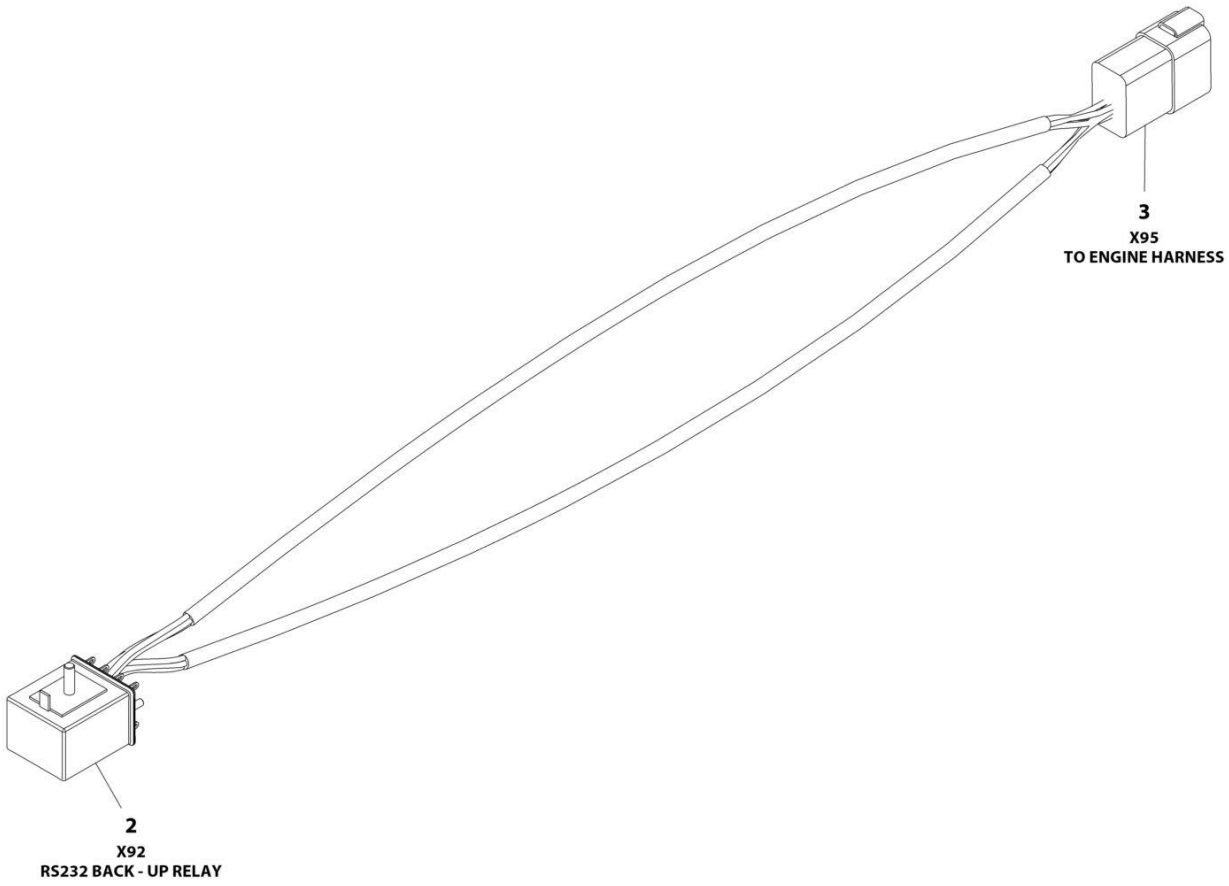
## FIGURE 8-84. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)



## FIGURE 8-84. RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001100346 | Ref | RECEPTACLE BOX KIT - 220V AFSINT 107 KEYED GROUND WITH 2500W GENERATOR (2X4 BOX) (CE & UK CA SPECS) | 2 |
| 1 | 0861731 | 1 | Box, Switch | |
| 2 | 4461246 | 1 | Receptacle | |
| 3 | 4461249 | 1 | Plug, Male | |
| 4 | 4461250 | 1 | Plug, Female | |

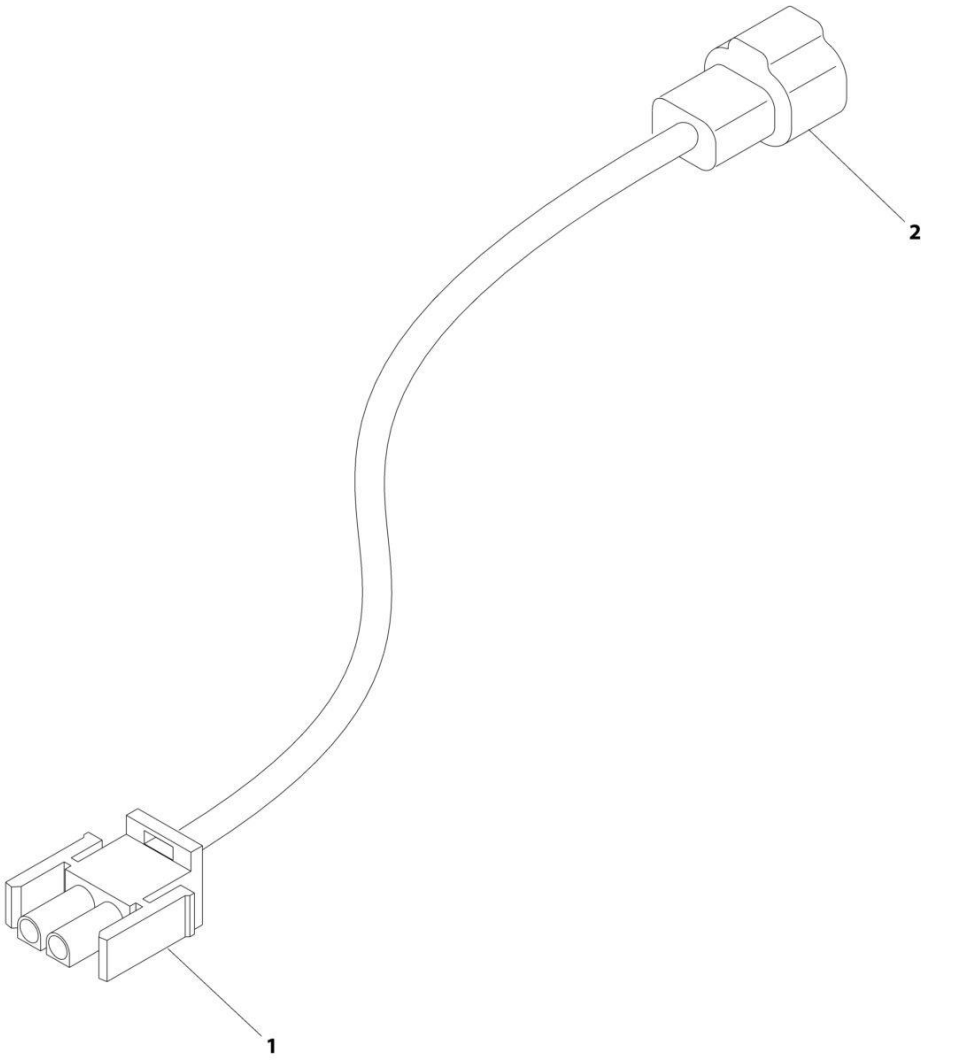
## FIGURE 8-85. RELAY HARNESS



## FIGURE 8-85. RELAY HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923036 | Ref | RELAY HARNESS | E |
| 2 | 3740143 | 1 | Relay | |
| 3 | 4460931 | 1 | Connector - 8 Position | |
| 3 | 4460943 | 8 | Pin, Male | |

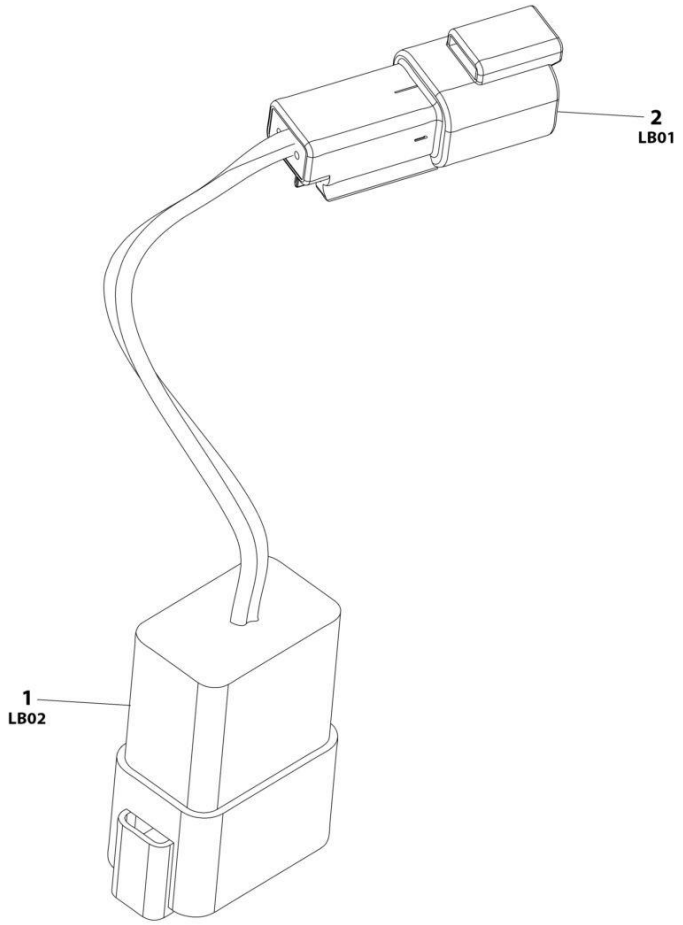
**FIGURE 8-86. STROBE LIGHT HARNESS (AMBER) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)**



## FIGURE 8-86. STROBE LIGHT HARNESS (AMBER) (Prior to SN 0300298203, Except SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001149818 | Ref | STROBE LIGHT HARNESS (AMBER) | D |
| 1 | 4460320 | 1 | Plug, Male - 2 Position | |
| 1 | 4460267 | 2 | Pin, Male | |
| 2 | 4460897 | 1 | Connector - 2 Position | |
| 2 | 4460464 | 2 | Pin, Male | |

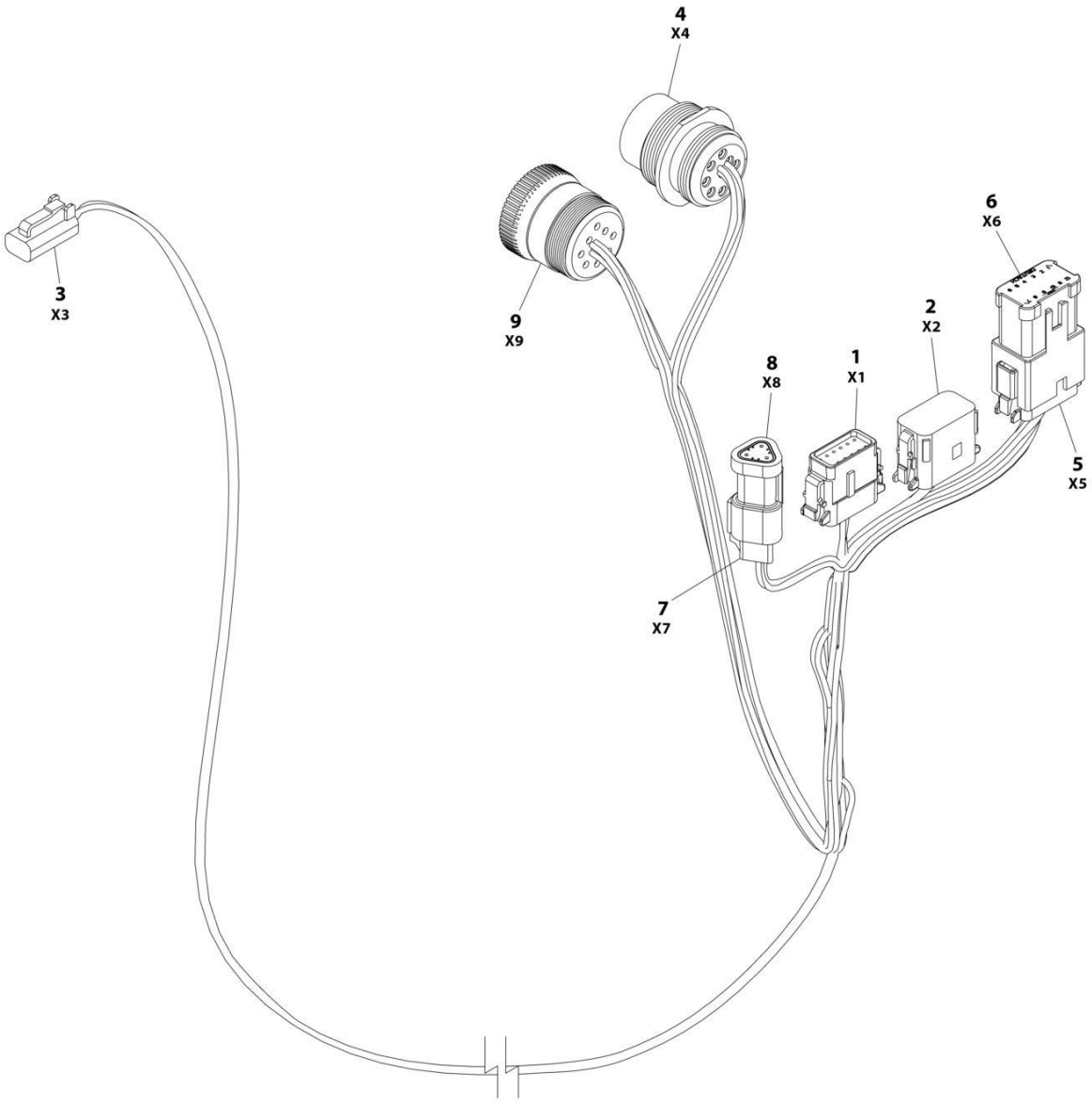
## FIGURE 8-87. STROBE LIGHT HARNESS (AMBER) (SN 0300298203 to Present, SN 0300287801 through 0300287807)



## FIGURE 8-87. STROBE LIGHT HARNESS (AMBER) (SN 0300298203 to Present, SN 0300287801 through 0300287807)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001283776 | Ref | STROBE LIGHT HARNESS (AMBER) | A |
| 1 | 4460931 | 1 | Connector | |
| 1 | 4460464 | 2 | Pin | |
| 1 | 4460466 | 6 | Plug | |
| 2 | 4460897 | 1 | Connector | |
| 2 | 4460464 | 2 | Pin | |

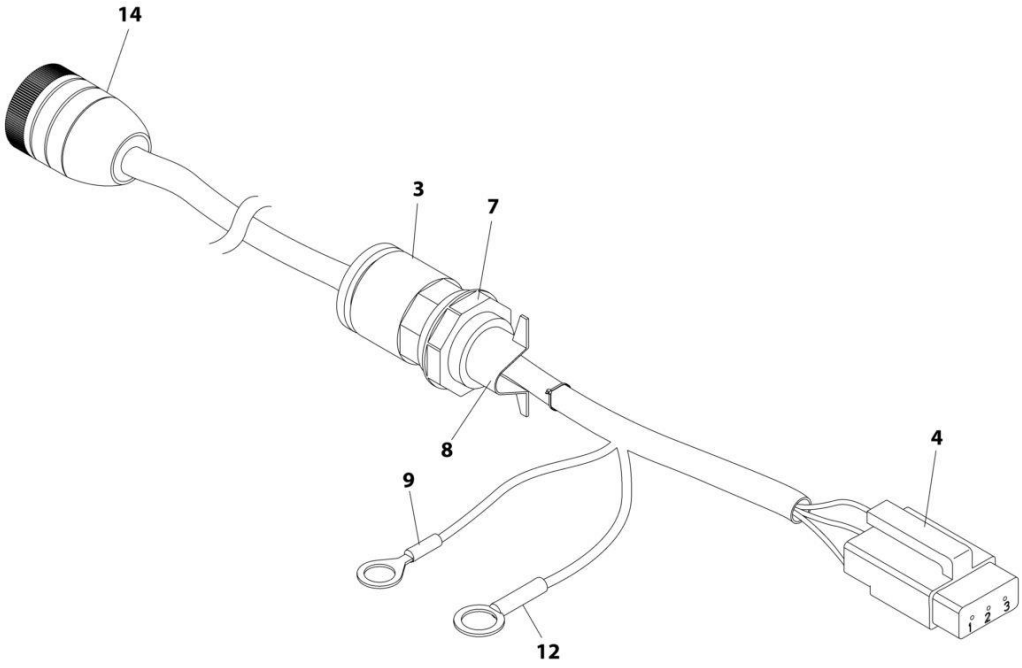
## FIGURE 8-88. STROBE LIGHT HARNESS (BLUE & RED)



## FIGURE 8-88. STROBE LIGHT HARNESS (BLUE & RED)

| 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 | |

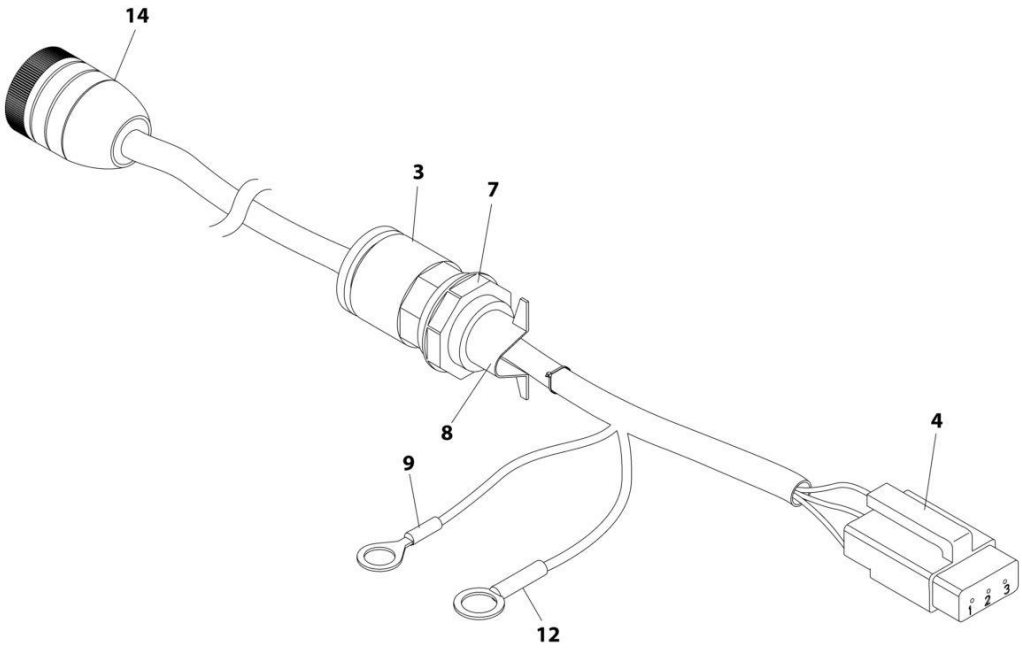
## FIGURE 8-89. TILT SENSOR HARNESS (LEFT)



## FIGURE 8-89. TILT SENSOR HARNESS (LEFT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922948 | Ref | TILT SENSOR HARNESS (LEFT) | E |
| 3 | 1560011 | 1 | Connector, Conduit | |
| 4 | 4460911 | 1 | Connector - 3 Position | |
| 4 | 4460912 | 1 | Lock, Wedge | |
| 4 | 4460918 | 3 | Pin, Male | |
| 7 | 1560012 | 1 | Nut, Conduit | |
| 8 | 1320309 | 1 | Clamp, Cable | |
| 9 | 4460702 | 1 | Terminal, Eyelet | |
| 10 | 4240032 | 2 | Tie-Strap (Not Shown) | |
| 12 | 4460256 | 1 | Terminal, Eyelet | |
| 14 | 4461013 | 1 | Connector - 6 Position | |

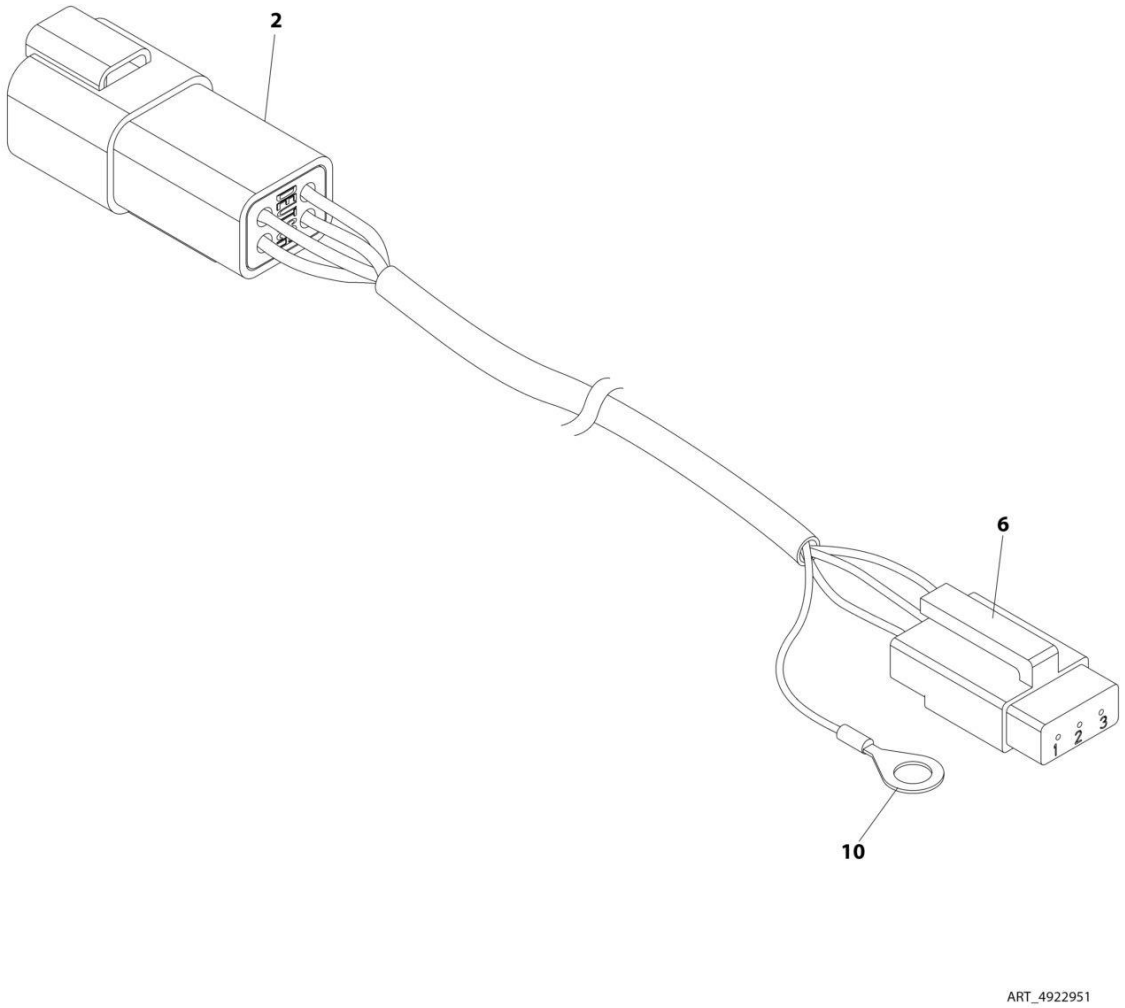
## FIGURE 8-90. TILT SENSOR HARNESS (RIGHT)



## FIGURE 8-90. TILT SENSOR HARNESS (RIGHT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922947 | Ref | TILT SENSOR HARNESS (RIGHT) | E |
| 3 | 1560011 | 1 | Connector, Conduit | |
| 4 | 4460911 | 1 | Connector - 3 Position | |
| 4 | 4460912 | 1 | Lock, Wedge | |
| 4 | 4460918 | 3 | Pin, Male | |
| 7 | 1560012 | 1 | Nut, Conduit | |
| 8 | 1320309 | 1 | Clamp, Cable | |
| 9 | 4460702 | 1 | Terminal, Eyelet | |
| 10 | 4240032 | 2 | Tie-Strap (Not Shown) | |
| 12 | 4460256 | 1 | Terminal, Eyelet | |
| 14 | 4461013 | 1 | Connector - 6 Position | |

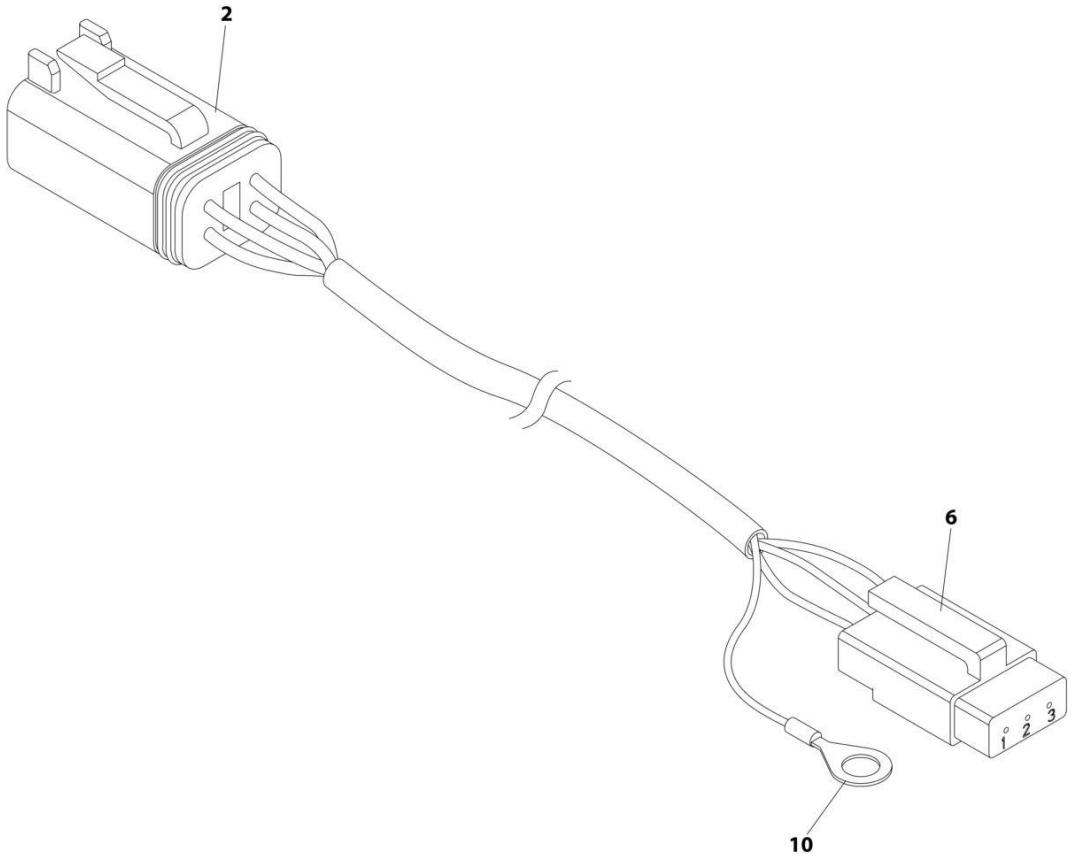
## FIGURE 8-91. TOWER BOOM ANGLE SENSOR HARNESS (LEFT)



## FIGURE 8-91. TOWER BOOM ANGLE SENSOR HARNESS (LEFT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922951 | Ref | TOWER BOOM ANGLE SENSOR HARNESS (LEFT) | E |
| 2 | 4460932 | 1 | Connector - 4 Position | |
| 2 | 4460943 | 4 | Pin, Male (Gold) | |
| 6 | 4460911 | 1 | Connector - 3 Position | |
| 6 | 4460918 | 3 | Socket, Female | |
| 6 | 4460912 | 1 | Lock, Wedge - Position | |
| 10 | 4460722 | 1 | Terminal, Eyelet | |

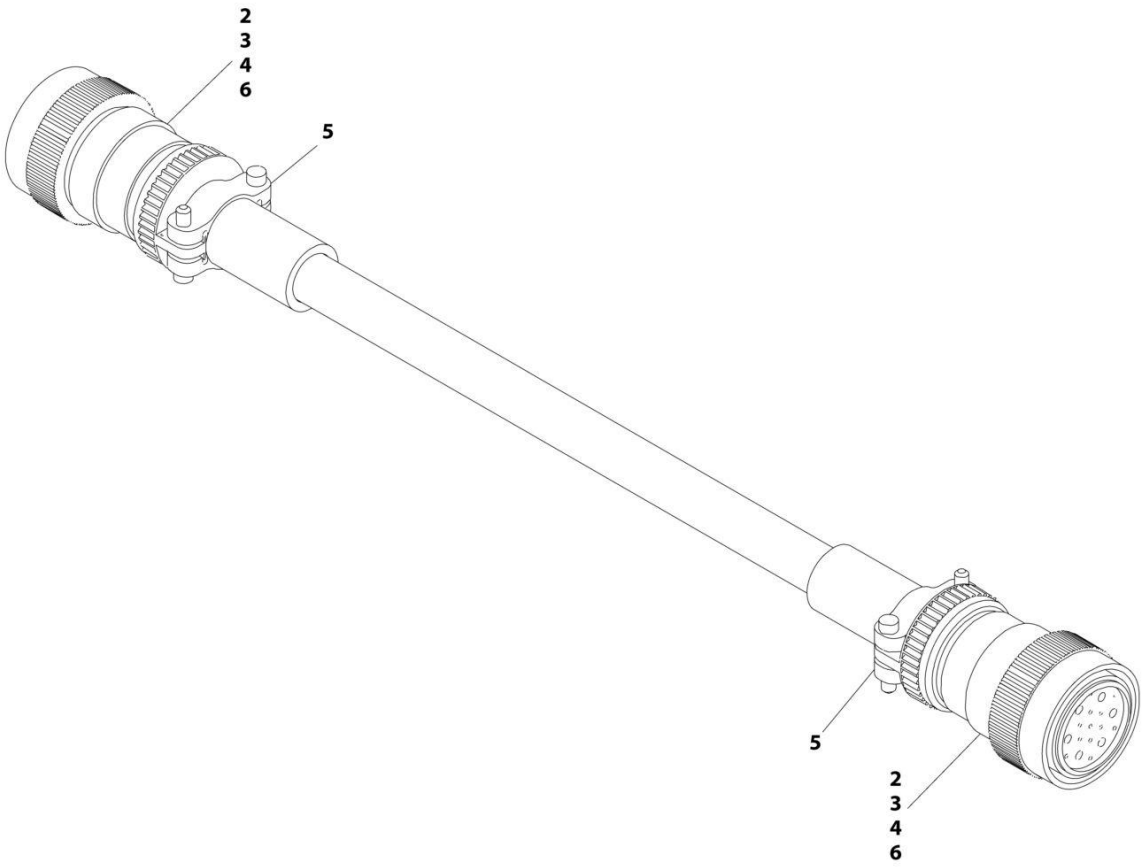
## FIGURE 8-92. TOWER BOOM ANGLE SENSOR HARNESS (RIGHT)



## FIGURE 8-92. TOWER BOOM ANGLE SENSOR HARNESS (RIGHT)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922950 | Ref | TOWER BOOM ANGLE SENSOR HARNESS (RIGHT) | D |
| 2 | 4460884 | 1 | Connector - 4 Position | |
| 2 | 4460944 | 4 | Socket, Female (Gold) | |
| 6 | 4460911 | 1 | Connector - 3 Position | |
| 6 | 4460918 | 3 | Socket, Female | |
| 6 | 4460912 | 1 | Lock, Wedge - Position | |
| 10 | 4460722 | 1 | Terminal, Eyelet | |

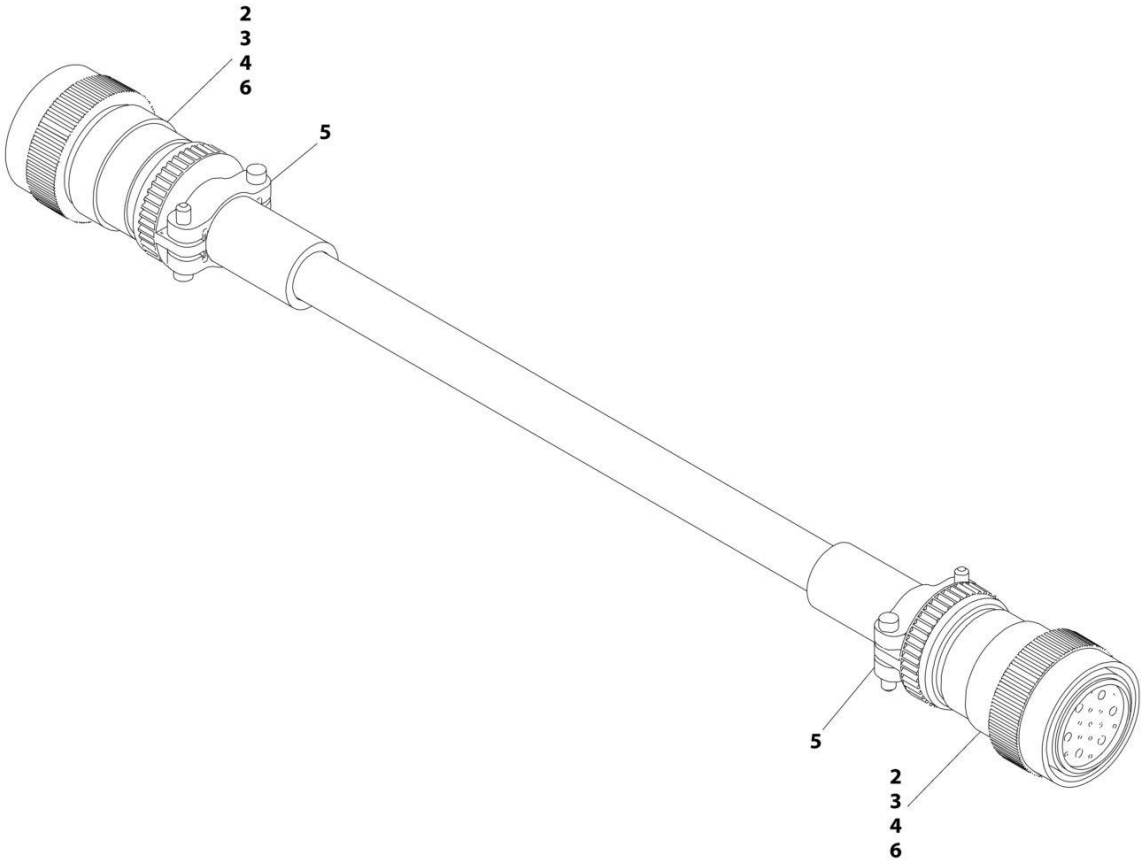
## FIGURE 8-93. TOWER BOOM CONTROL CABLE HARNESS



## FIGURE 8-93. TOWER BOOM CONTROL CABLE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922956 | Ref | TOWER BOOM CONTROL CABLE HARNESS | E |
| 2 | 4460465 | 11 | Socket, Female | |
| 3 | 4460865 | 2 | Connector - 19 Position | |
| 4 | 4460509 | 4 | Socket, Female | |
| 5 | 4460473 | 2 | Clamp | |
| 6 | 4460466 | 4 | Plug, Socket | |

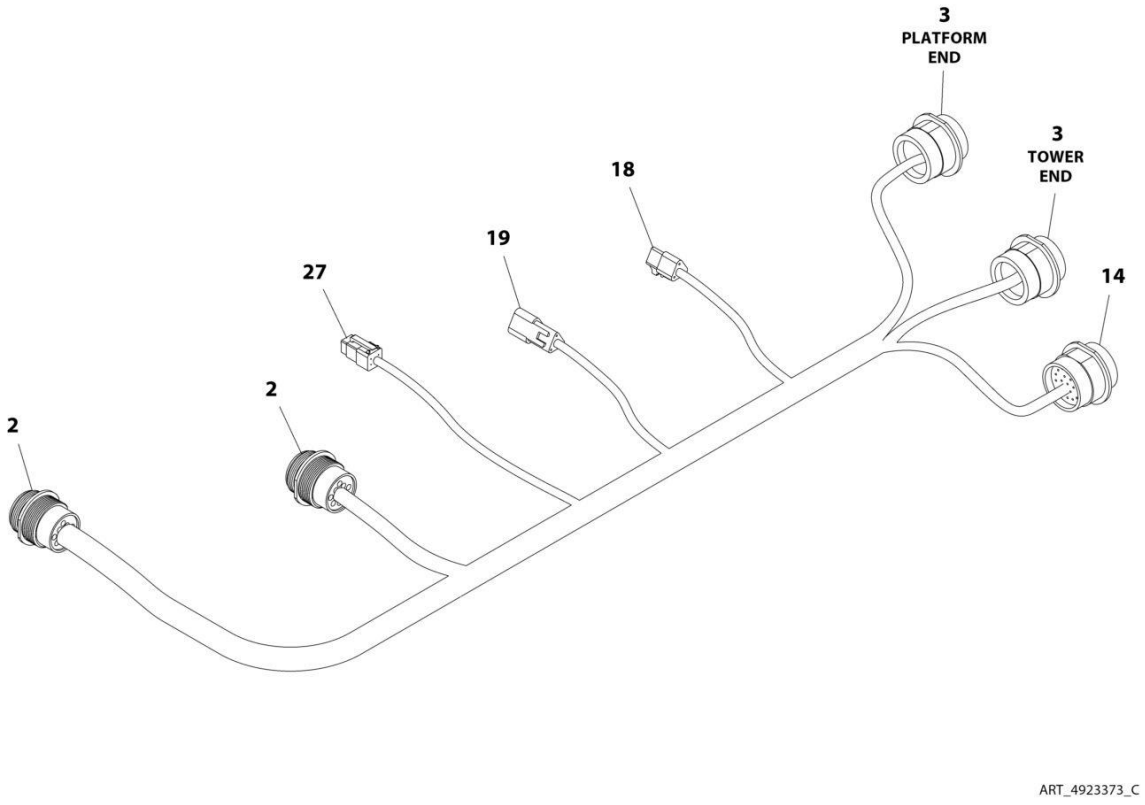
## FIGURE 8-94. TOWER BOOM FLY TO GROUND CONTROL BOX HARNESS



## FIGURE 8-94. TOWER BOOM FLY TO GROUND CONTROL BOX HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922958 | Ref | TOWER BOOM FLY TO GROUND CONTROL BOX HARNESS | D |
| 2 | 4460465 | 22 | Socket, Female | |
| 3 | 4461003 | 2 | Connector - 21 Position | |
| 4 | 4460509 | 8 | Socket, Female | |
| 5 | 4460473 | 2 | Clamp, Cable | |
| 6 | 4460466 | 12 | Seal, Plug | |

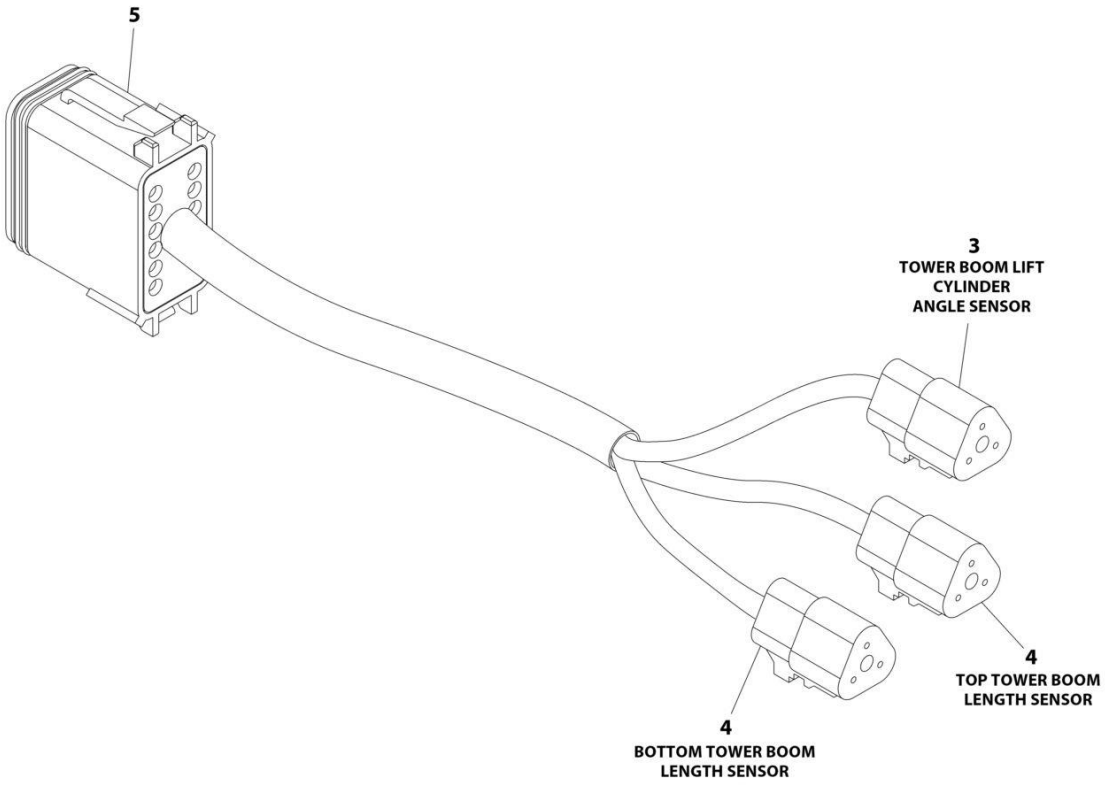
## FIGURE 8-95. TOWER BOOM FLY TO MAIN BOOM BASE HARNESS



## FIGURE 8-95. TOWER BOOM FLY TO MAIN BOOM BASE HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923373 | Ref | TOWER BOOM FLY TO MAIN BOOM BASE HARNESS | C |
| 2 | 4461009 | 2 | Connector - 5 Position | |
| 3 | 4460866 | 2 | Connector - 19 Position | |
| 3 | 4460464 | 3 | Pin, Male | |
| 3 | 4460508 | 4 | Pin, Male | |
| 3 | 4460943 | 3 | Pin, Male (Gold) | |
| 3 | 4460466 | 4 | Seal, Plug | |
| 14 | 4460613 | 1 | Connector - 21 Position | |
| 14 | 4460464 | 8 | Pin, Male | |
| 14 | 4460508 | 5 | Pin, Male | |
| 18 | 4460539 | 1 | Connector - 3 Position | |
| 18 | 4460944 | 3 | Socket, Female (Gold) | |
| 19 | 4460536 | 1 | Connector - 3 Position | |
| 19 | 4460943 | 3 | Pin, Male (Gold) | |
| 27 | 4461077 | 1 | Plug, Male | |
| 27 | 4460918 | 4 | Socket, Female (Gold) | |

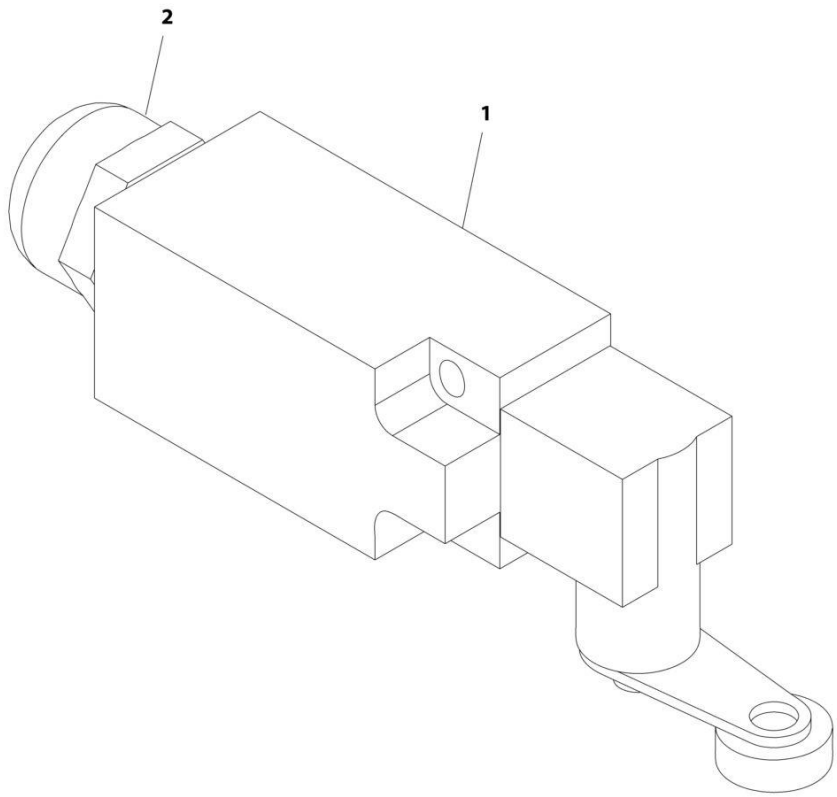
## FIGURE 8-96. TOWER BOOM LENGTH SENSORS HARNESS



## FIGURE 8-96. TOWER BOOM LENGTH SENSORS HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4922949 | Ref | TOWER BOOM LENGTH SENSORS HARNESS | B |
| 3 | 4460539 | 1 | Connector - 3 Position | |
| 3 | 4460943 | 3 | Pin, Male (Gold) | |
| 4 | 4460539 | 2 | Connector - 3 Position | |
| 4 | 4460944 | 6 | Socket, Female (Gold) | |
| 5 | 4460934 | 1 | Connector - 12 Position | |
| 5 | 4460944 | 11 | Socket, Female (Gold) | |
| 5 | 4460466 | 1 | Plug | |

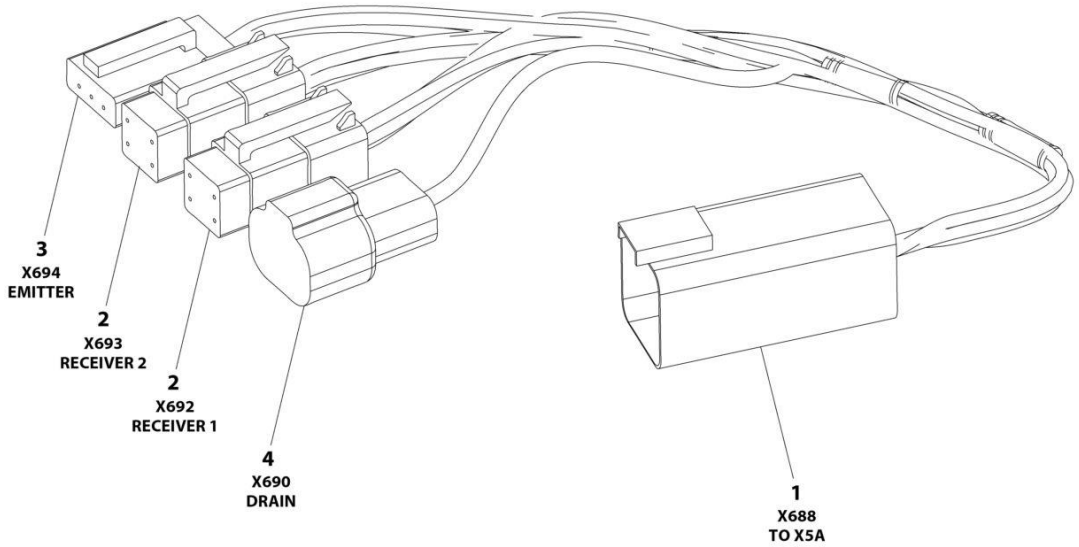
## FIGURE 8-97. TOWER BOOM TRANSPORT LENGTH SWITCH HARNESS



## FIGURE 8-97. TOWER BOOM TRANSPORT LENGTH SWITCH HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 4923169 | Ref | TOWER BOOM TRANSPORT LENGTH SWITCH HARNESS | A |
| 1 | 4360579 | 1 | Switch, Limit | |
| 2 | 4460968 | 1 | Connector, Strain Relief | |

## FIGURE 8-98. SKYEYE INTERMEDIATE HARNESS

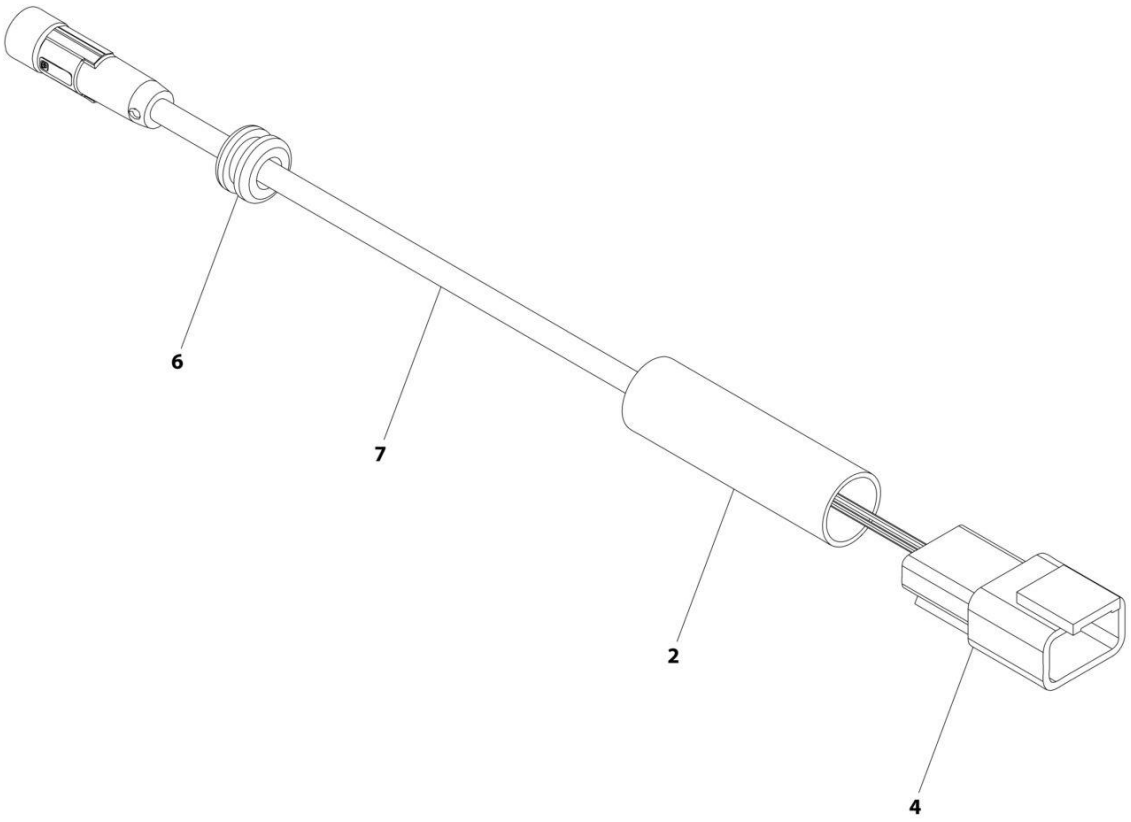



ART_1001237865

## FIGURE 8-98. 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 | |

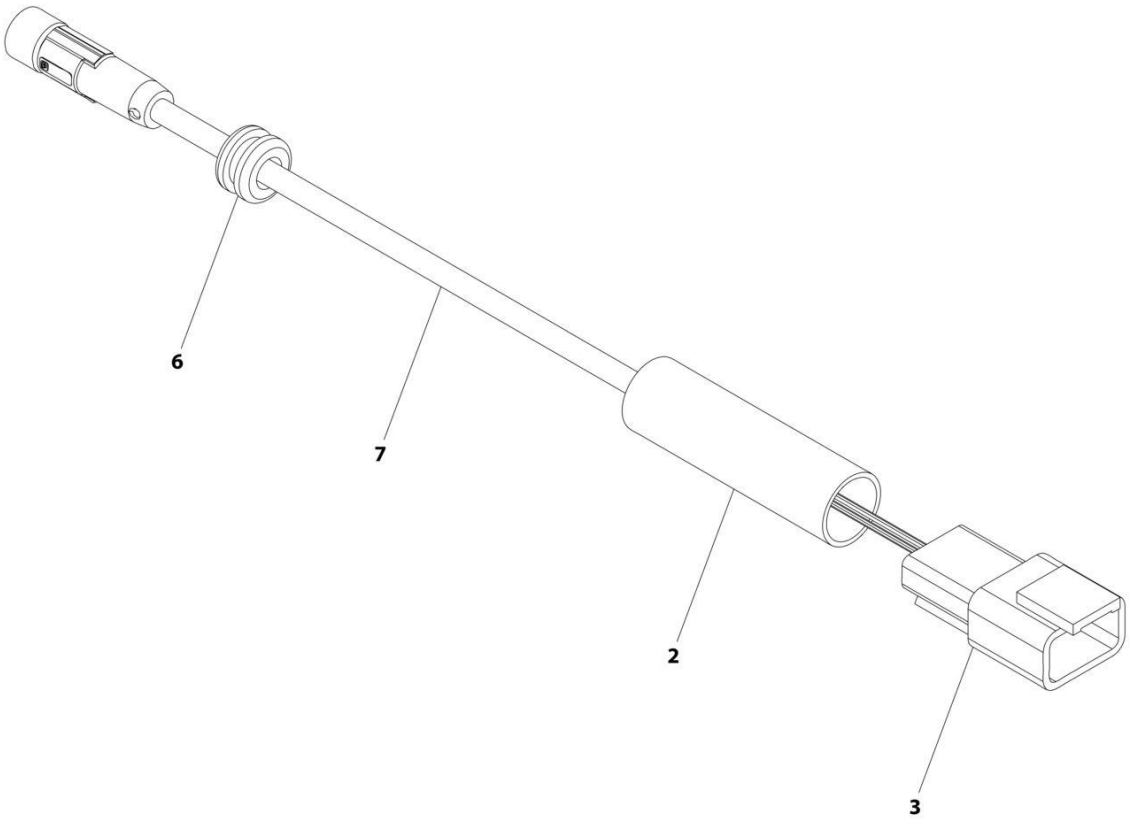
## FIGURE 8-99. SKYEYE RECEIVER HARNESS



## FIGURE 8-99. SKYEYE RECEIVER HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001237863 | Ref | SKYEYE RECEIVER HARNESS | B |
| 2 | 2820247 | AR | Tubing, Heat Shrink | |
| 4 | 1001097051 | 1 | Connector - 4 Position | |
| 4 | 1001119620 | 4 | Pin, Male | |
| 6 | 1001227996 | 1 | Grommet | |
| 7 | 1001258495 | 1 | Cable, M8 Female Cordset | |

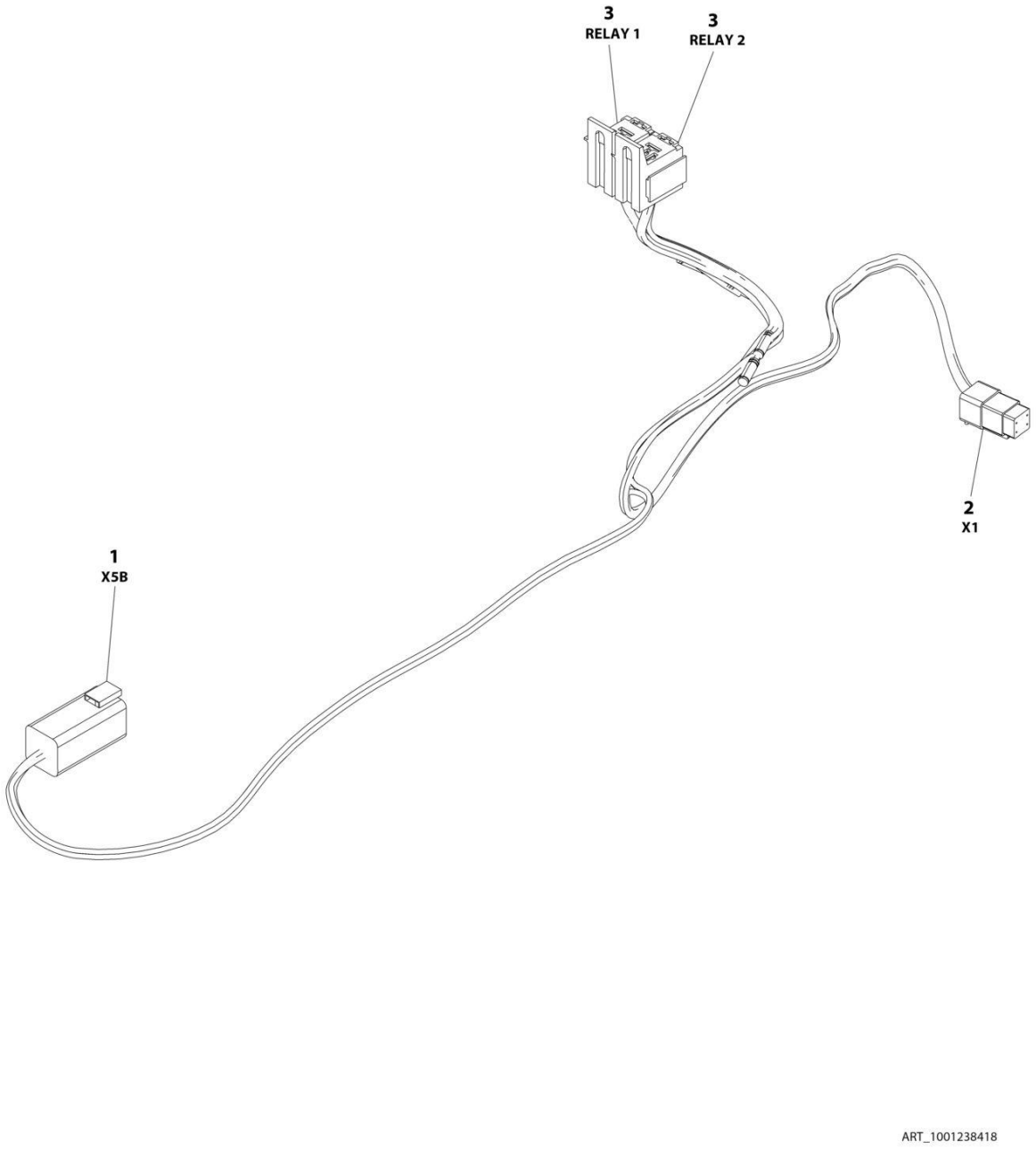
## FIGURE 8-100. SKYEYE EMITTER HARNESS



## FIGURE 8-100. SKYEYE EMITTER HARNESS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001237864 | Ref | SKYEYE EMITTER HARNESS | B |
| 2 | 2820247 | AR | Tubing, Heat Shrink | |
| 3 | 4460910 | 1 | Connector - 3 Position | |
| 3 | 1001119620 | 3 | Pin, Male | |
| 6 | 1001227996 | 1 | Grommet | |
| 7 | 1001258495 | 1 | Cable, M8 Female Cordset | |

## FIGURE 8-101. SKYLINE HARNESS



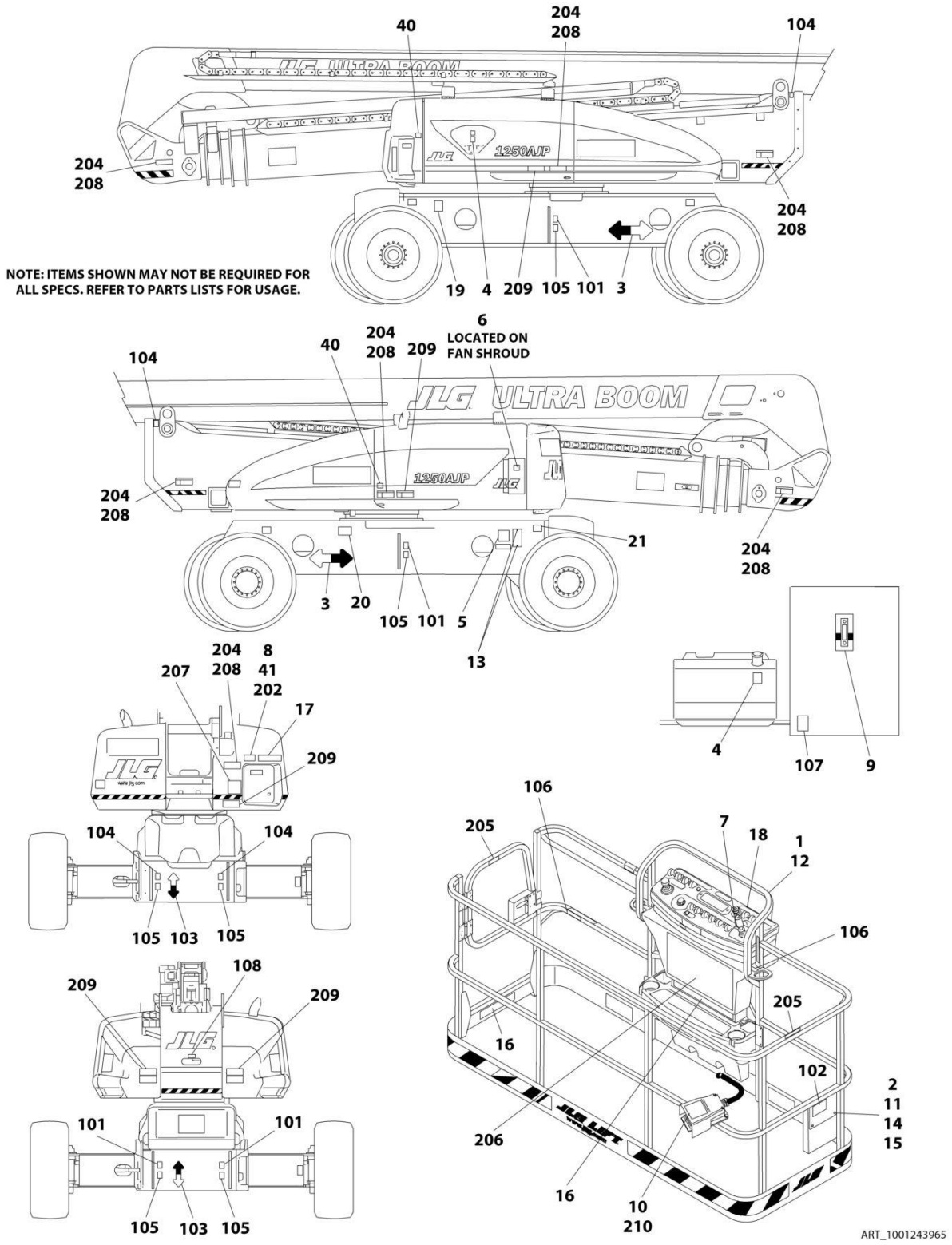
## FIGURE 8-101. SKYLINE HARNESS

| 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 | |

# SECTION 9 - DECALS

# SECTION 9 - DECALS

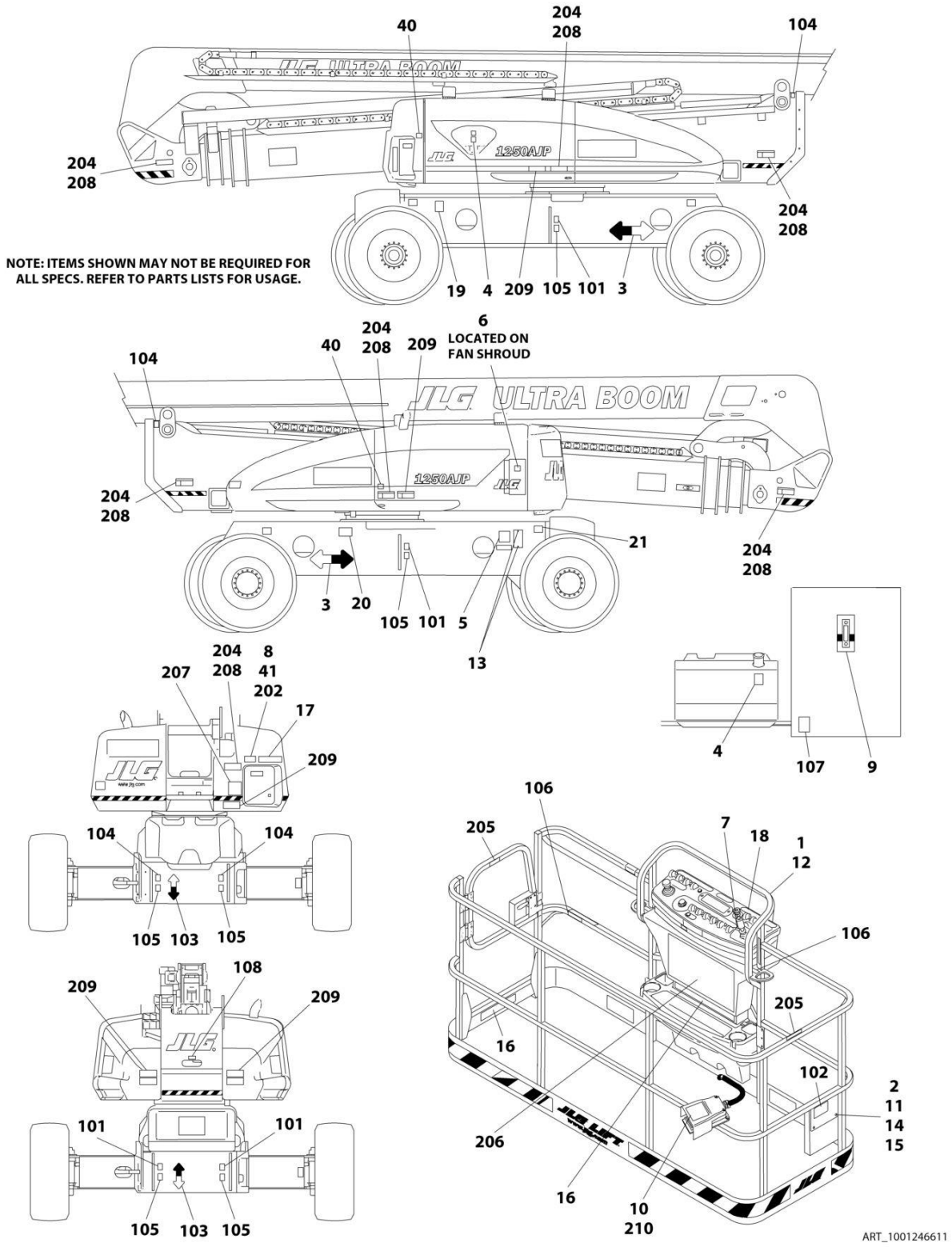
## FIGURE 9-1. DECAL INSTALLATION - ANSI SPEC



## FIGURE 9-1. DECAL INSTALLATION - ANSI SPEC

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001243965 | Ref | DECAL INSTALLATION - ANSI SPEC | B |
| 1 | 0100048 | AR | Grease, Dielectric | |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1704972 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705351 | 1 | Decal - Drive/Steer Instructions | |
| 8 | 1705492 | 1 | Decal - Tip Over Hazard | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 10 | 3252347 | 1 | Decal - Footswitch | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 12 | 3520174 | 3 | Plug | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253048 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253049 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 19 | 1001131269 | 1 | Decal - Patent | |
| 20 | 1001223055 | 1 | Decal - Yearly Inspection | |
| 21 | 1001223453 | 1 | Decal - Ices | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248547 | 1 | Decal Kit (Not Shown - Includes Items 204-209) | |
| 204 | 1703953 | 7 | Decal - Warning/Crushing | |
| 205 | 1702868 | 2 | Decal - No Hands | |
| 206 | 1001231315 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705336 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703804 | 5 | Decal - Warning Crushing | |
| 209 | 1703805 | 5 | Decal - Danger/Electrocution | |

## FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPEC



## FIGURE 9-2. DECAL INSTALLATION - AUSTRALIAN SPEC

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001246611 | Ref | DECAL INSTALLATION - AUSTRALIAN SPEC | A |
| 1 | 0100048 | AR | Grease, Dielectric | |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706098 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 10 | 1705828 | 1 | Decal - Footswitch | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 12 | 3520174 | 3 | Plug | |
| 13 | 3820001 | 6 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1706770 | 1 | Decal - Capacity (Platform) | |
| 17 | 1705468 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1705174 | 1 | Decal - Stop | |
| 41 | 1001112551 | 1 | Decal - Emergency Controls (Australian Spec) | |
| 100 | 1001248540 | 1 | Decal Master Kit (Not Shown - Includes Items 101-107) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 4 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 200 | 1001248546 | 1 | Decal Kit (Not Shown - Includes Items 206-209) | |
| 206 | 1705921 | 1 | Decal - Tipping/Electrical (Platform) | |
| 207 | 1705822 | 1 | Decal - Electrical/Safety (Ground Control) | |
| 208 | 1701518 | 10 | Decal - Warning Crushing | |
| 209 | 1705961 | 5 | Decal - Danger Electrocution | |

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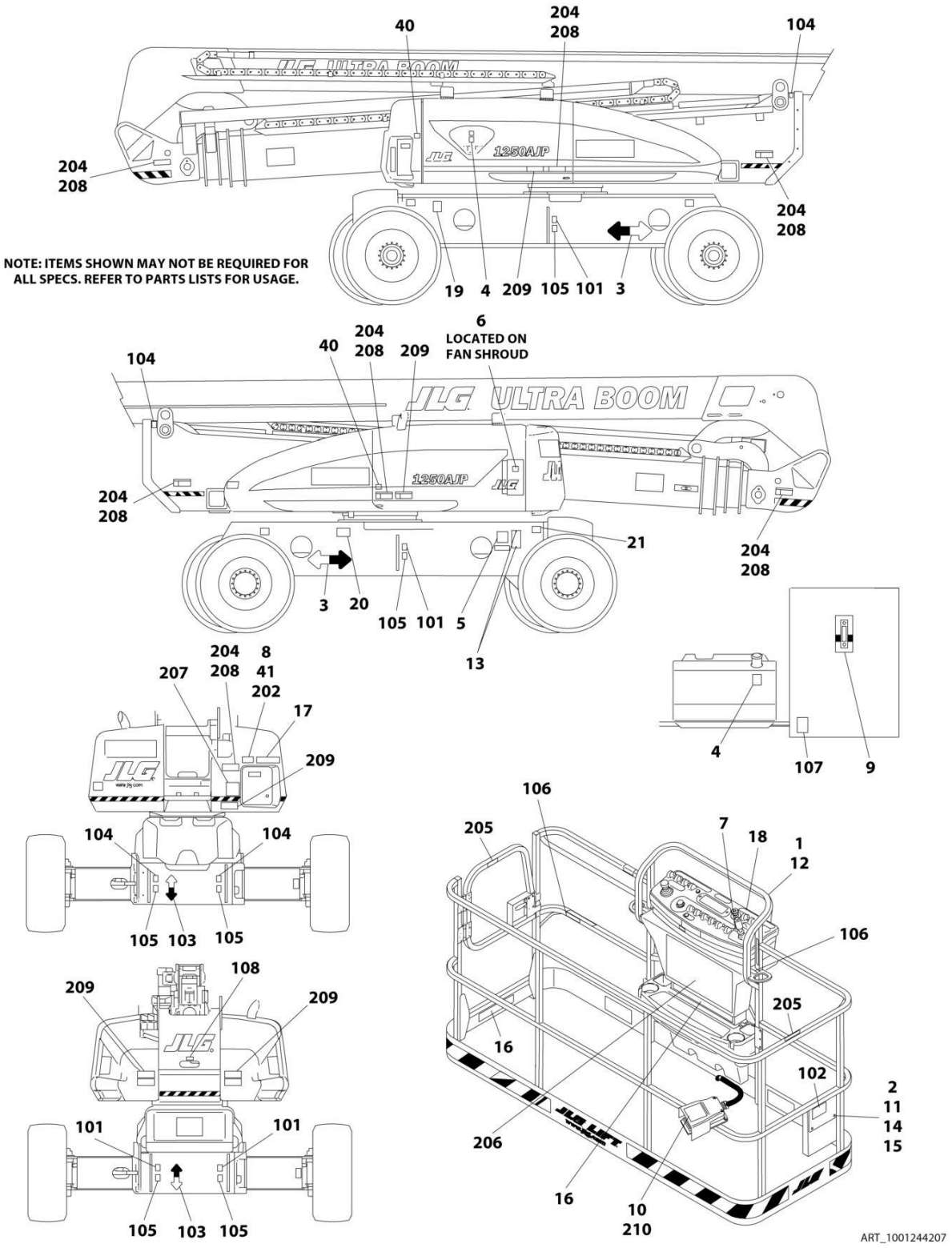
## FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPEC (PORTGUESE/ENGLISH)



## FIGURE 9-3. DECAL INSTALLATION - BRAZIL SPEC (PORTGUESE/ENGLISH)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001244207 | Ref | DECAL INSTALLATION - BRAZIL SPEC (PORTGUESE/ENGLISH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706059 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705905 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253057 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253058 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 20 | 1001224052 | 1 | Decal - Yearly Inspection | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248551 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1705906 | 1 | Decal - Tip Over Hazard | |
| 203 | 1705901 | 1 | Decal - Inspection (Not Shown) | |
| 204 | 1705903 | 7 | Decal - Warning/Crushing | |
| 205 | 1705967 | 2 | Decal - No Hands | |
| 206 | 1001231319 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705896 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1705898 | 5 | Decal - Warning Crushing | |
| 209 | 1705897 | 5 | Decal - Danger/Electrocution | |
| 210 | 1705902 | 1 | Decal - Footswitch | |

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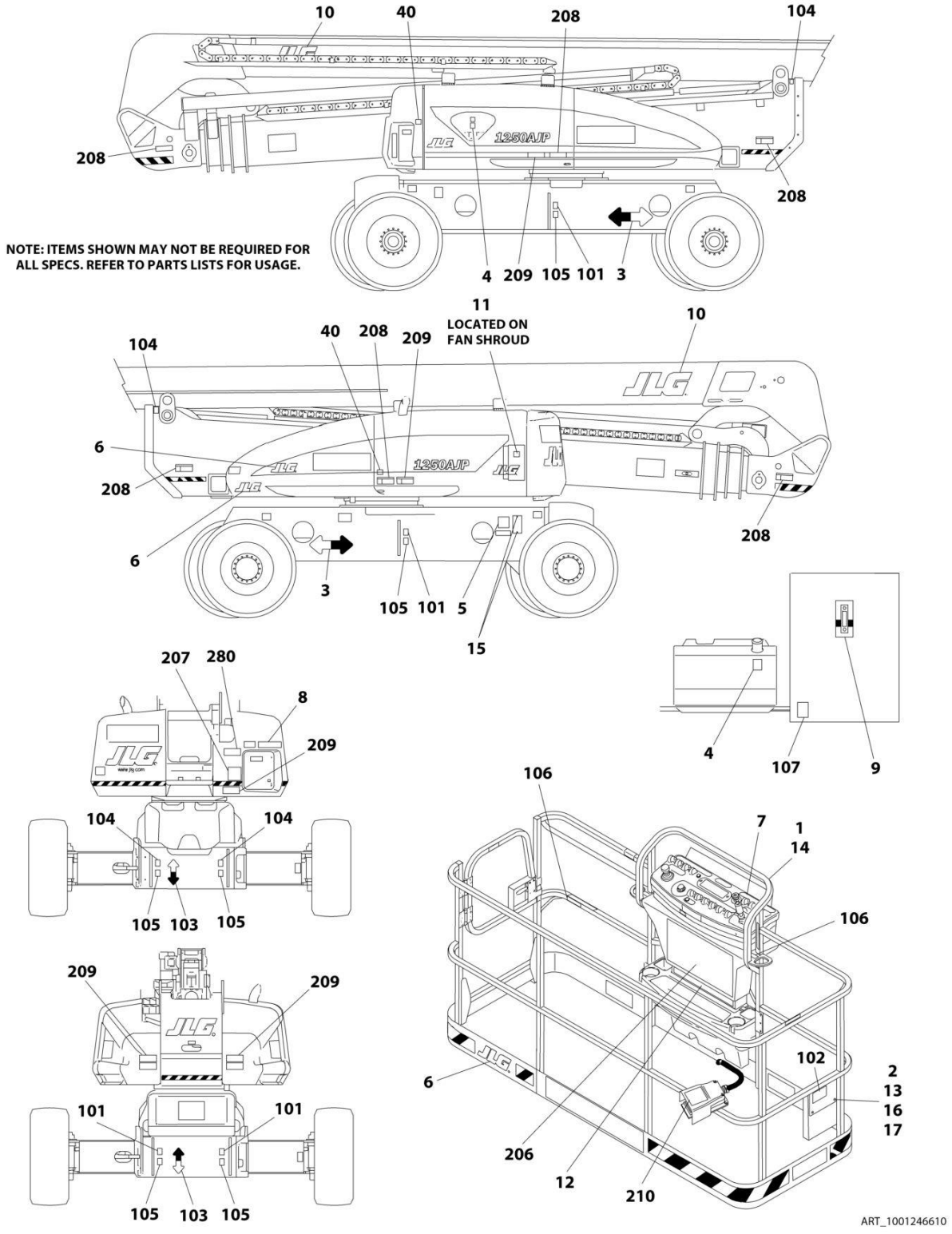
## FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC



## FIGURE 9-4. DECAL INSTALLATION - CE & UK CA SPEC

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251268 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001246610 | Ref | DECAL INSTALLATION - CE & UK CA SPEC | A |
| 1 | 0100048 | AR | Grease, Dielectric | |
| 2 | 0641406 | 7 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1702773 | 3 | Decal - JLG | |
| 7 | 1705174 | 1 | Decal - Stop | |
| 8 | 1705468 | 1 | Decal - Capacity (Ground Control) | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 10 | 1705864 | 2 | Decal - JLG | |
| 11 | 1706098 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 12 | 1706770 | 1 | Decal - Capacity (Platform) | |
| 13 | 3311405 | 4 | Nut 1/4 | |
| 14 | 3520174 | 3 | Plug | |
| 15 | 3820001 | 6 | Rivet | |
| 16 | 4751400 | 7 | Washer 1/4 | |
| 17 | 91403230 | 1 | Box, Manual Storage | |
| 100 | 1001248540 | 1 | Decal Master Kit (Not Shown - Includes Items 101-107) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 4 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 200 | 1001248546 | 1 | Decal Kit (Not Shown - Includes Items 206-210) | |
| 206 | 1705921 | 1 | Decal - Tipping/Electrical (Platform) | |
| 207 | 1705822 | 1 | Decal - Electrical/Safety (Ground Control) | |
| 208 | 1701518 | 10 | Decal - Warning Crushing | |
| 209 | 1705961 | 5 | Decal - Danger Electrocution | |
| 210 | 1705828 | 1 | Decal - Footswitch | |

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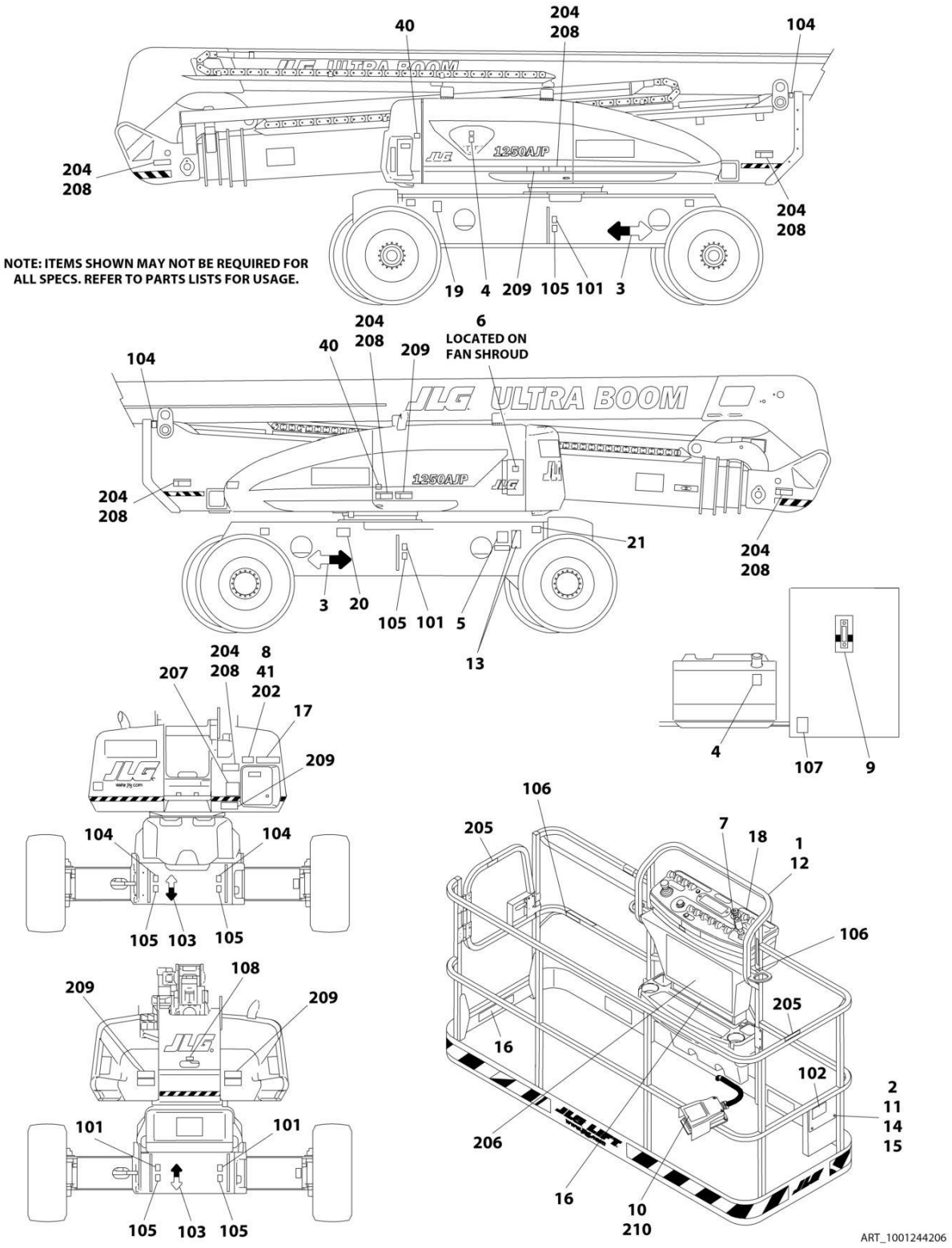
## FIGURE 9-5. DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH)



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

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001244206 | Ref | DECAL INSTALLATION - CHINESE SPEC (CHINESE/ENGLISH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706060 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705430 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253054 | 2 | Decal - Capacity (Platform) | |
| 17 | 1001253056 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 20 | 1001224050 | 1 | Decal - Yearly Inspection | |
| 40 | 1001244298 | 2 | Decal - Wechat QR Code | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248553 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1001117035 | 1 | Decal - Tip Over Hazard | |
| 204 | 1703943 | 7 | Decal - Warning/Crushing | |
| 205 | 1001116846 | 2 | Decal - No Hands | |
| 206 | 1001231321 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1001116849 | 2 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703949 | 5 | Decal - Warning Crushing | |
| 209 | 1001116851 | 5 | Decal - Danger/Electrocution | |
| 210 | 1703982 | 1 | Decal - Footswitch | |

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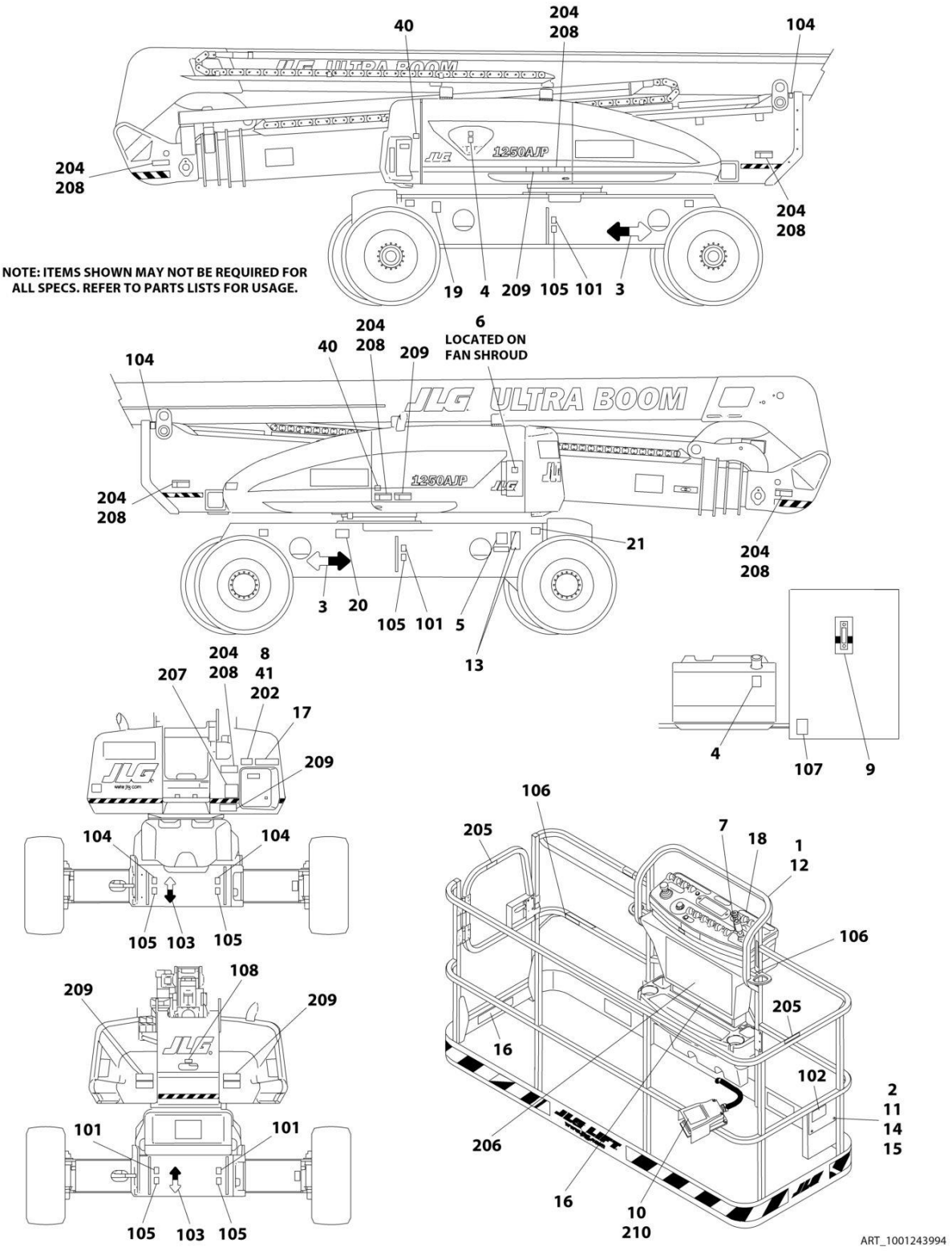
## FIGURE 9-6. DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH)



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

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001243994 | Ref | DECAL INSTALLATION - CSA SPEC (ENGLISH/FRENCH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706064 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705429 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253050 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253051 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1705174 | 1 | Decal - Stop | |
| 19 | 1001131269 | 1 | Decal - Patent | |
| 20 | 1001223971 | 1 | Decal - Yearly Inspection | |
| 21 | 1001223453 | 1 | Decal - Ices | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248548 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1705505 | 1 | Decal - Tip Over Hazard | |
| 204 | 1703942 | 7 | Decal - Warning/Crushing | |
| 205 | 1704000 | 2 | Decal - No Hands | |
| 206 | 1001231316 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705347 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703948 | 5 | Decal - Warning Crushing | |
| 209 | 1703936 | 5 | Decal - Danger/Electrocution | |
| 210 | 1703984 | 1 | Decal - Footswitch | |

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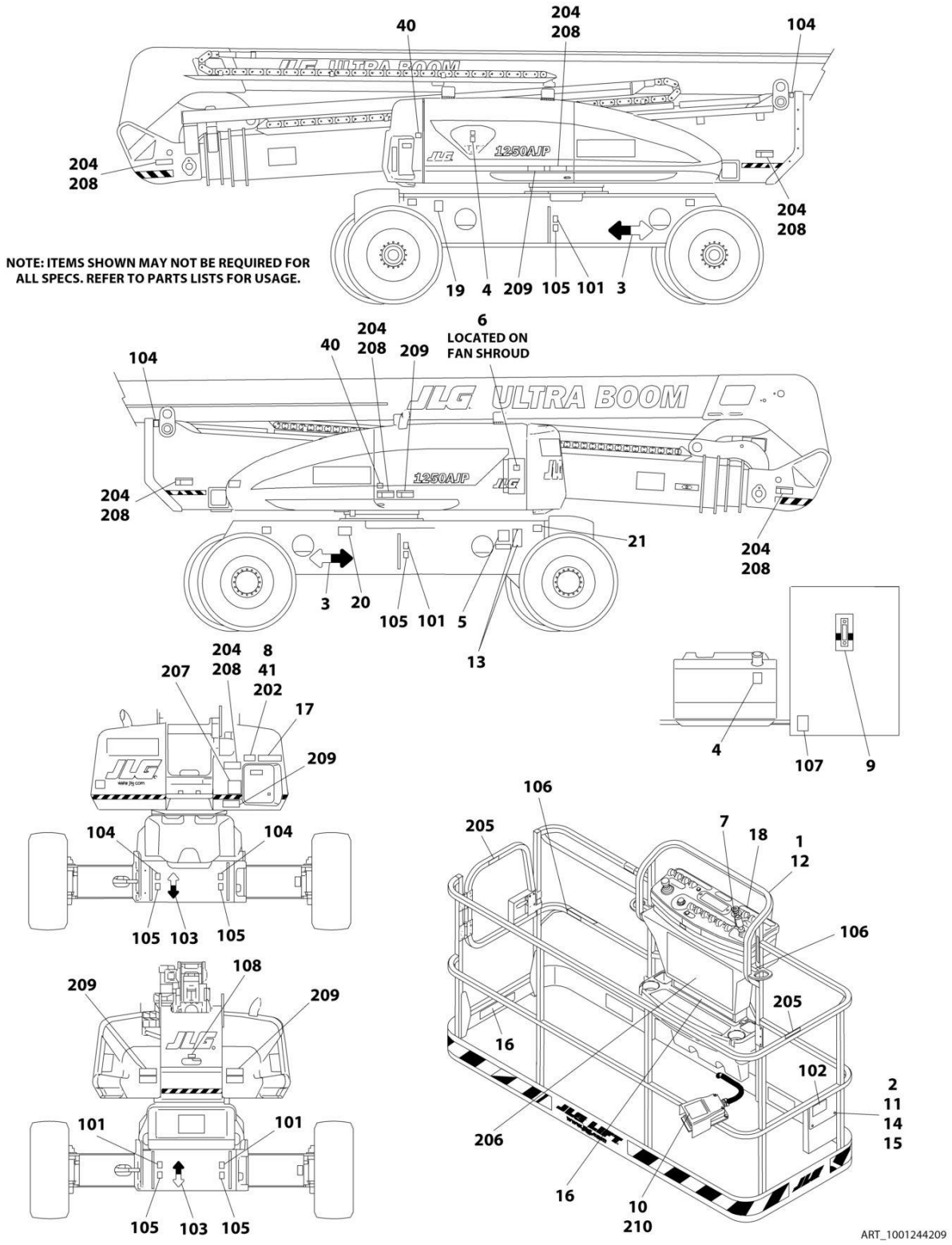
## FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH)



## FIGURE 9-7. DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001244209 | Ref | DECAL INSTALLATION - JAPANESE SPEC (JAPANESE/ENGLISH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706062 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705426 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253061 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253062 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 20 | 1001224053 | 1 | Decal - Yearly Inspection | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248552 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1705493 | 1 | Decal - Tip Over Hazard | |
| 204 | 1703944 | 7 | Decal - Warning/Crushing | |
| 206 | 1001231320 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705344 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703950 | 5 | Decal - Warning Crushing | |
| 209 | 1703938 | 5 | Decal - Danger/Electrocution | |
| 210 | 1703980 | 1 | Decal - Footswitch | |

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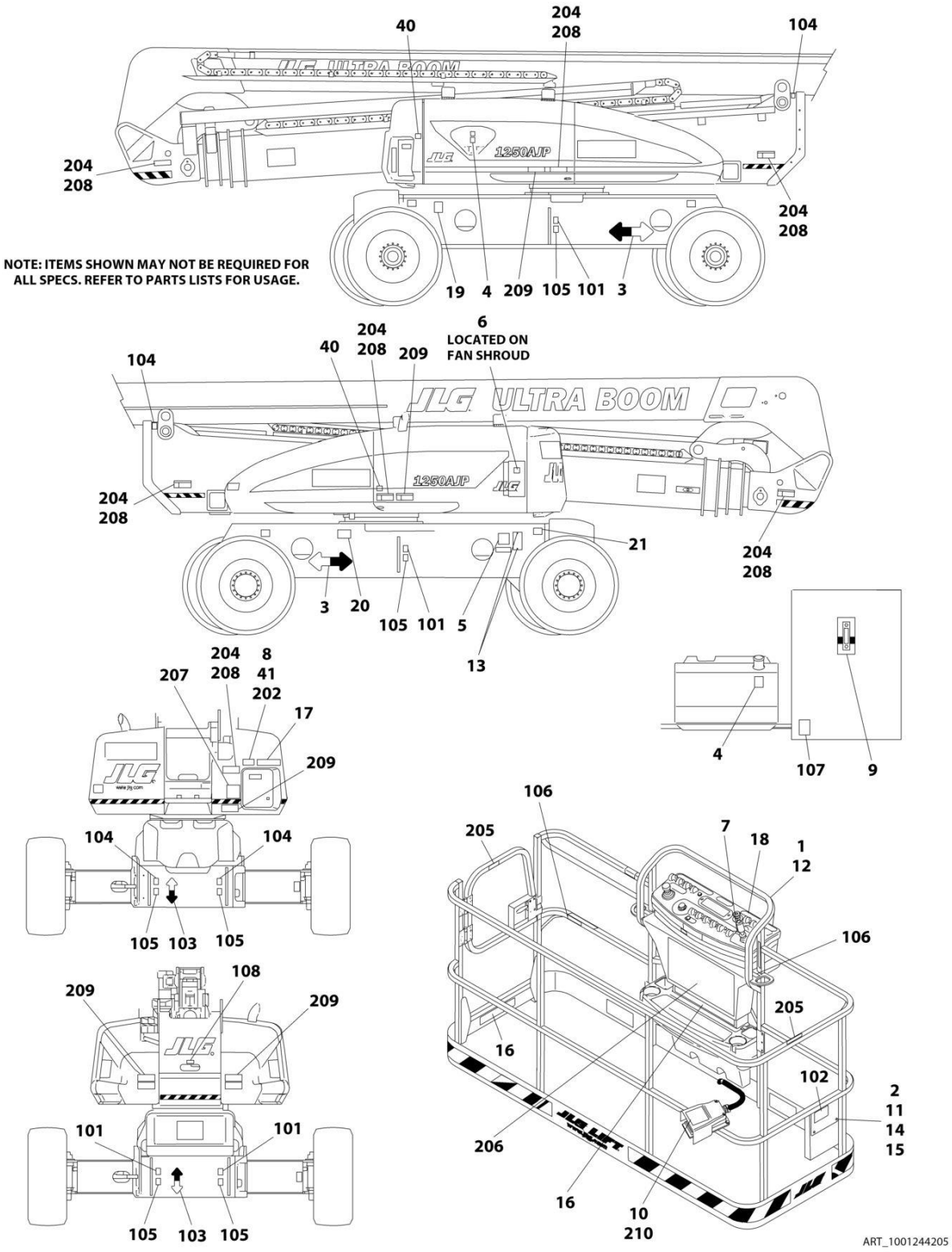
## FIGURE 9-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)



## FIGURE 9-8. DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001244205 | Ref | DECAL INSTALLATION - KOREAN SPEC (KOREAN/ENGLISH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706061 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705427 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253052 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253053 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 20 | 1001224048 | 1 | Decal - Yearly Inspection | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248549 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1705503 | AR | Decal - Tip Over Hazard | |
| 204 | 1703945 | 7 | Decal - Warning/Crushing | |
| 205 | 1705969 | 2 | Decal - No Hands | |
| 206 | 1001231317 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705345 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703951 | 5 | Decal - Warning Crushing | |
| 209 | 1703939 | 5 | Decal - Danger/Electrocution | |
| 210 | 1703981 | 1 | Decal - Footswitch | |

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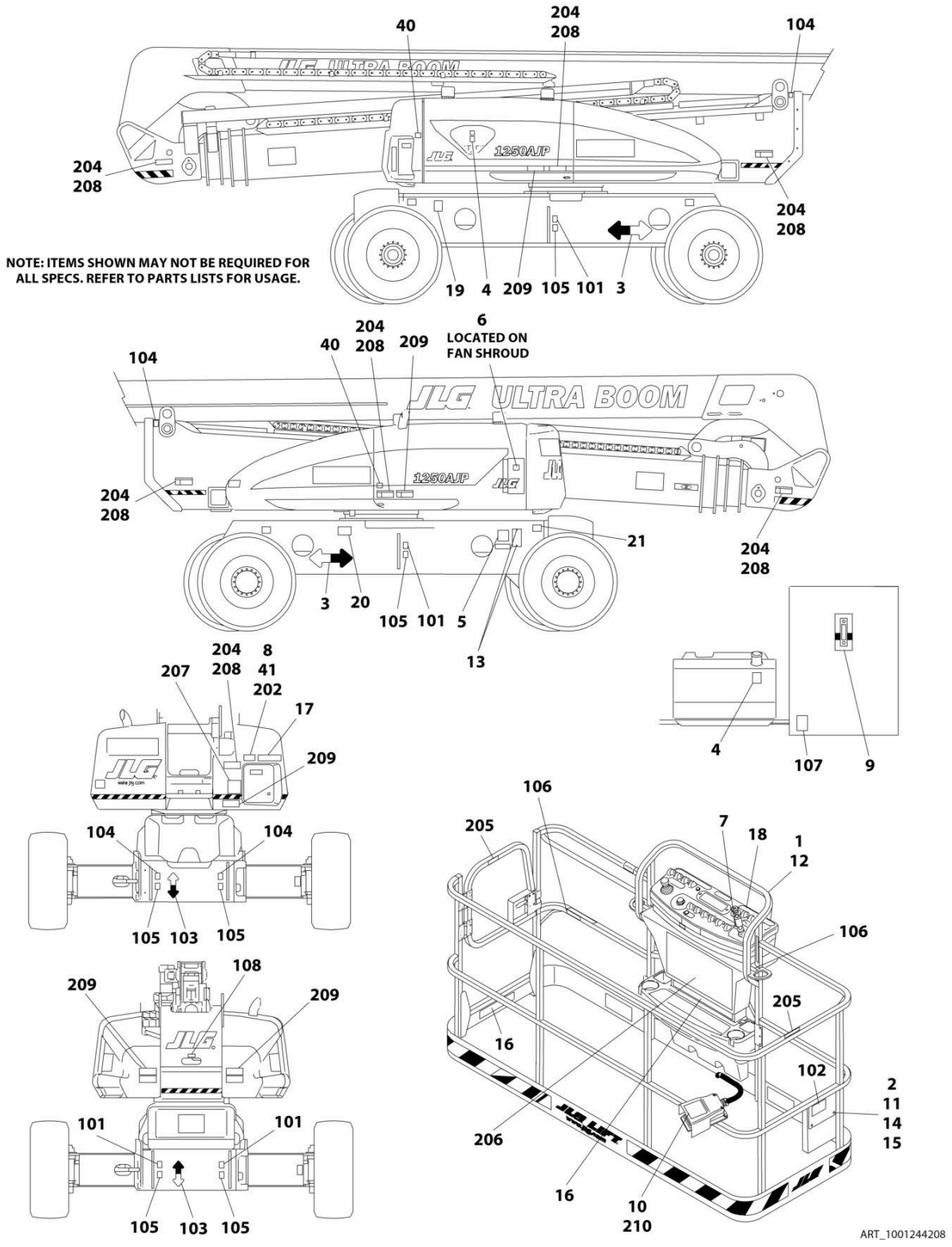
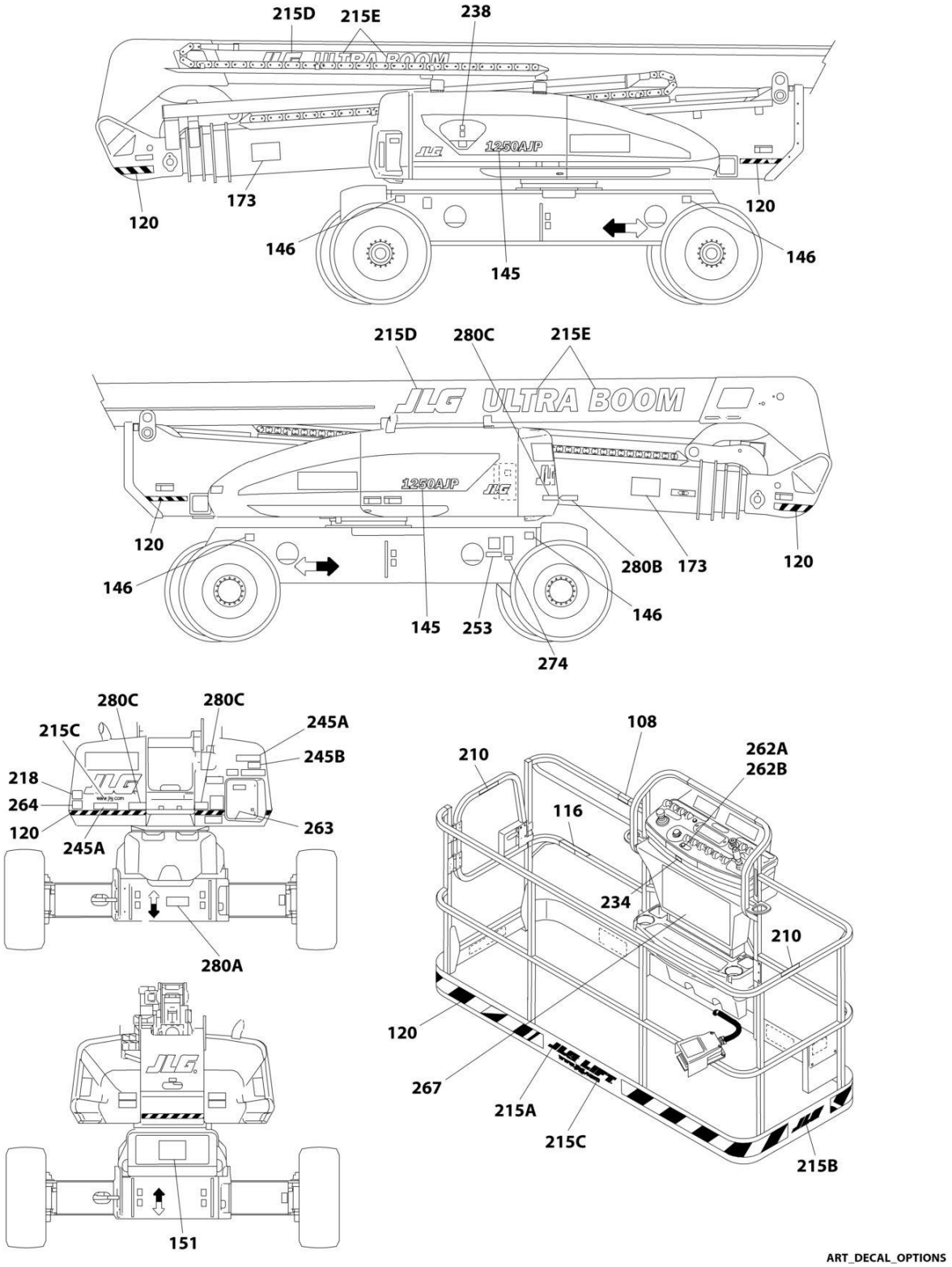
## FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH)



## FIGURE 9-9. DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH)

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION - REFERENCE CHART | C |
| | 1001244208 | Ref | DECAL INSTALLATION - LATIN AMERICAN SPEC (SPANISH/ENGLISH) | B |
| 2 | 0641406 | 4 | Bolt 1/4 x 3/4 | |
| 3 | 1701501 | 4 | Decal - Arrow | |
| 4 | 1701505 | 2 | Decal - Fuel | |
| 5 | See Note | 1 | Decal - Bar Code (Note: Not Available For Purchase) | |
| 6 | 1706061 | 1 | Decal - Warning Explosion/Fire (Not Shown - Located on Engine Air Filter Housing) | |
| 7 | 1705910 | 1 | Decal - Drive/Steer Instructions | |
| 9 | 1705511 | 1 | Decal - Oil Level | |
| 11 | 3311405 | 4 | Nut 1/4 | |
| 13 | 3820001 | 2 | Rivet | |
| 14 | 4751400 | 4 | Washer 1/4 | |
| 15 | 91403230 | 1 | Box, Manual Storage | |
| 16 | 1001253059 | 1 | Decal - Capacity (Platform) | |
| 17 | 1001253060 | 1 | Decal - Capacity (Ground Control) | |
| 18 | 1001122611 | 1 | Decal - Stop | |
| 20 | 1001224049 | 1 | Decal - Yearly Inspection | |
| 100 | 1001248539 | 1 | Decal Master Kit (Not Shown - Includes Items 101-108) | |
| 101 | 1701499 | 4 | Decal - No Lift | |
| 102 | 1701509 | 1 | Decal - Manual | |
| 103 | 1701529 | 2 | Decal - Arrow | |
| 104 | 1703811 | 8 | Decal - Tie Down/Lift | |
| 105 | 1703814 | 6 | Decal - Tie Down | |
| 106 | 1704277 | 4 | Decal - Attach Lanyard Here | |
| 107 | 1704412 | 1 | Decal - Hydraulic Oil Chart | |
| 108 | 3251243 | 1 | Nameplate - 120V-60Hz | |
| 200 | 1001248550 | 1 | Decal Kit (Not Shown - Includes Items 202-210) | |
| 202 | 1705915 | AR | Decal - Tip Over Hazard | |
| 204 | 1703941 | 7 | Decal - Warning/Crushing | |
| 205 | 1704001 | 2 | Decal - No Hands | |
| 206 | 1001231318 | 1 | Decal - Danger/Warning (Platform) | |
| 207 | 1705917 | 1 | Decal - Danger/Warning (Ground Control) | |
| 208 | 1703947 | 5 | Decal - Warning Crushing | |
| 209 | 1703935 | 5 | Decal - Danger/Electrocution | |
| 210 | 1703983 | 1 | Decal - Footswitch | |

## FIGURE 9-10. DECAL INSTALLATION - OPTIONS



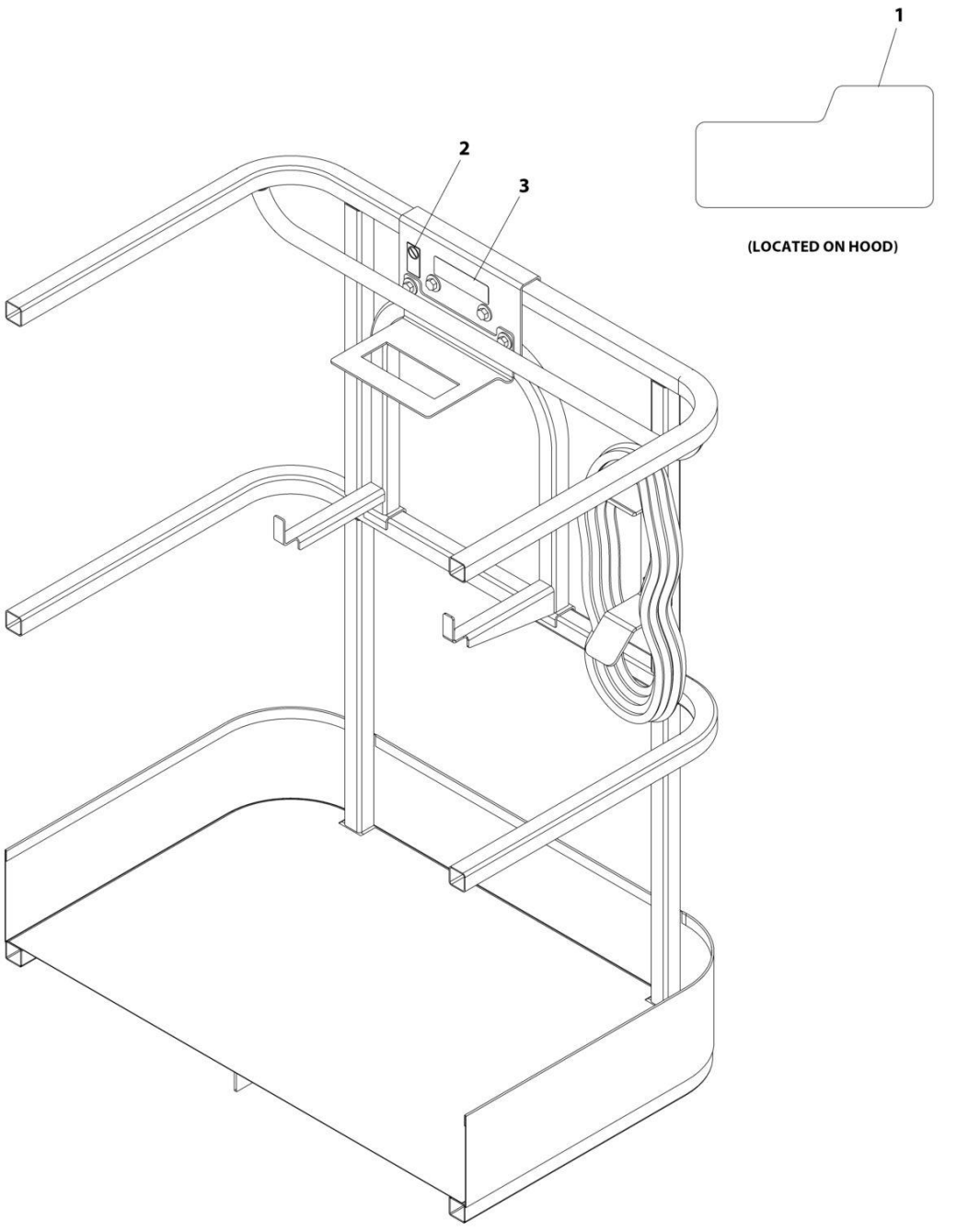
## FIGURE 9-10. DECAL INSTALLATION - OPTIONS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001251267 | Ref | DECAL INSTALLATION – REFERENCE CHART (ALL SPECS EXCEPT CE & UK CA SPECS) | C |
| | 1001251268 | Ref | DECAL INSTALLATION – REFERENCE CHART (CE & UK CA SPECS) | C |
| | 1001261250 | Ref | DECAL INSTALLATION - OPTIONS | B |
| 108 | 1001231801 | 1 | Decal - Warning (Proposition 65) (ANSI Spec Only) | |
| 116 | 1703175 | 2 | Decal - Lanyard Attach (GM Spec Only) | |
| 120 | 4420051 | 29 ft /8.8m | Decal - Warning Stripes | |
| 145 | 1001268241 | 2 | Decal - Model 1250AJP | |
| 146 | 1703483 | 4 | Decal - Tire Load | |
| 151 | 1001284690 | 1 | Decal - Lift Diagram | |
| 173 | 1703959 | 2 | Decal - Quikstik | |
| 210 | 1702868 | 2 | Decal - No Hands (ANSI and ANSI Export Specs) | |
| 210 | 1704000 | 2 | Decal - No Hands (CSA Specs) (French/English) | |
| 210 | 1704001 | 2 | Decal - No Hands (ANSI Export Specs) (Spanish/English) | |
| 210 | 1705969 | 2 | Decal - No Hands (ANSI Export Specs) (Korean/English) | |
| 210 | 1705967 | 2 | Decal - No Hands (ANSI Export Specs) (English/Portuguese) | |
| 215 | 0274730 | Ref | Decal - JLG Logo | |
| 215A | 1702774 | 1 | Decal - JLG Lift | |
| 215B | 1702773 | 1 | Decal - JLG | |
| 215C | 1704885 | 1 | Decal - www.jlg.com | |
| 215D | 1705864 | 2 | Decal - JLG | |
| 215E | 1001267315 | 1 | Decal - Ultra Boom | |
| 218 | 3251813 | 1 | Decal - USA (ANSI, ANSI Export and CSA Specs) | |
| 234 | 1001094055 | 1 | Decal - Troubleshooting | |
| 238 | 1001125387 | 1 | Decal - Fuel Specification (Machines with Deutz TCD2.9L4 Engine Only) (ANSI and CSA Specs) | |
| 238 | 1001139654 | 1 | Decal - Fuel Specification (Machines with Deutz TCD2.9L4 Engine, Deutz TCD2.9L4 (Stage V Pre-Buy) Engine and Deutz TCD2.9L4 (Stage V) Engine Only) (ANSI Export, CE and Japanese Specs) | |
| 245 | 1001120995 | Ref | Decal - ClearSky Telematics Installation | |
| 245A | 1001116208 | 2 | Decal - ClearSky | |
| 245B | 1001120989 | 1 | Decal - Radio Frequency Device | |
| 253 | 1001143852 | 1 | Decal - Emissions Compliance (ANSI Export, Australian, CE & UK CA (LRC) Specs) | |
| 262A | 1001141300 | 1 | Decal - SkyGuard Override | |
| 262B | 1001141302 | 1 | Decal - SkyGuard/Soft Touch Override | |
| 263 | 1001197408 | 1 | Decal - MSSO | |
| 264 | 8007508 | 1 | Decal - Sound Power Level (104dB) (Deutz TD2011 Engines) | |
| 264 | 1705515 | 1 | Decal - Sound Power Level (109dB) (Deutz TD2011 Engines) | |
| 264 | 1001191526 | 1 | Decal - Sound Power Level (110dB) (Deutz TCD2.9L4 Engines, Deutz TCD2.9L4 (Stage V Pre-Buy) Engines and Deutz TCD2.9L4 (Stage V) Engines) | |
| 267 | 1001197511 | Ref | Decal - Quick Reference (Dutch) (Lomax Rentals) | |
| 267 | 1001197513 | Ref | Decal - Quick Reference (Danish) (Lomax Rentals) | |
| 267 | 1001180696 | Ref | Decal - Quick Reference (English) (Lomax Rentals) | |
| 267 | 1001197510 | Ref | Decal - Quick Reference (French) (Lomax Rentals) | |
| 267 | 1001197512 | Ref | Decal - Quick Reference (German) (Lomax Rentals) | |
| 267 | 1001197519 | Ref | Decal - Quick Reference (Norwegian) (Lomax Rentals) | |
| 267 | 1001197515 | Ref | Decal - Quick Reference (Spanish) (Lomax Rentals) | |

# SECTION 9 - DECALS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| 267 | 1001197514 | Ref | Decal - Quick Reference (Swedish) (Lomax Rentals) | |
| 274 | 1001214029 | 1 | Decal Installation - EAC (Russian/CIS Specs) | |
| 274 | 1001173703 | 1 | Decal - EAC (Russian/CIS Specs) | |
| 280 | 1001221278 | Ref | Decal Installation - Boom Transport Position | |
| 280A | 1001220512 | 1 | Decal - Lower Boom | |
| 280B | 1001220510 | 2 | Decal - Warning Arrow | |
| 280C | 1001220511 | 2 | Decal - Warning Stripe | |

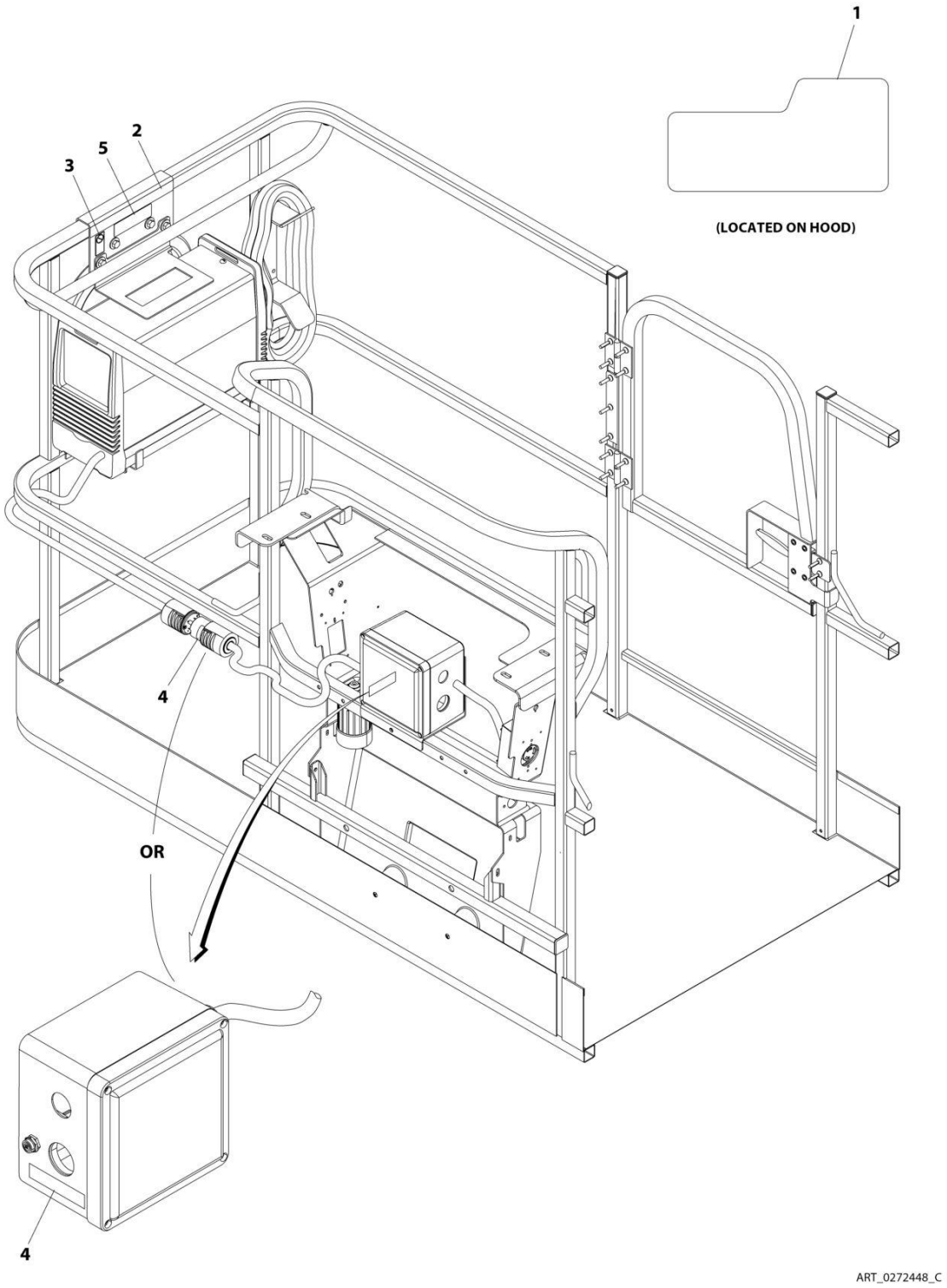
## FIGURE 9-11. SKYWELDER DECAL INSTALLATION - 50HZ



## FIGURE 9-11. SKYWELDER DECAL INSTALLATION - 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 | |

## FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 60HZ



## FIGURE 9-12. SKYWELDER DECAL INSTALLATION - 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 | |

# SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

# SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

## FIGURE 10-1. RECOMMENDED SERVICE PARTS

| 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 fields. 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. | |
| | 7024444 | 1 | Breather, Hydraulic (Tanks) | |
| | 4360542 | 1 | Breaker, Circuit (2500w Generator) | |
| | 70001431 | 1 | Breaker, Circuit (Plasma Cutter) | |
| | 4360070 | 1 | Breaker, Circuit 15Amp (4000w & 7500w Generators) | |
| | 7024485 | 1 | Breaker, Circuit 30Amp (7500w 50Hz Generators) | |
| | 70006095 | 1 | Breaker, Circuit 30Amp (7500w 60Hz Generators) | |
| | 1001159118 | 1 | Breaker, GFCI 30Amp (AC Box 240v) | |
| | 1001181045 | 1 | Breaker, Circuit - 30mA/16Amp (Breaker Box Kit 16Amp 2500w & 4000w Generators) | |
| | 1001181046 | 1 | Breaker, Circuit - 30mA/16Amp (Breaker Box Kit 10Amp 2500w Generator) | |
| | 7018991 | 1 | Coil (Steer Valve) | |
| | 7012944 | 1 | Coil (Traction Valve & Platform Valve) | |
| | 7024890 | 1 | Coil (Turntable Valves) | |
| | 70007231 | 1 | Coil (Main Valve) | |
| | 7027207 | 1 | Coil (Main Valve) | |
| | 70007228 | 1 | Coil (Main Valve) | |
| | 7012943 | 1 | Coil (Main Valve) | |
| | 7024571 | 1 | Coil (Platform Valve) | |
| | 7026029 | 1 | Contactor, Rotary Circuit With Harness (Rotary Coupling & Collector Ring) | |
| | 7019680 | 1 | Control, Box (2500w Generator) | |
| | 1001138566 | 1 | Control, Box (4000w Generator) | |
| | 0861538 | 1 | Control, Box (7500w 60Hz Generator) | |
| | 0861572 | 1 | Control, Box (7500w 50Hz Generator) | |
| | 1001166538 | 1 | Controller, Drive/Steer | |
| | 1001166539 | 1 | Controller, Lift/Swing | |
| | 4360407 | 1 | Controller, Speed (Potentiometer) (Platform Console Box) | |
| | 3990001 | 2 | Diode - 3 Amp (Ground Control Harness) | |
| | 70002097 | 12 | Element, Pressure Filter (Control Valve Installation - Platform) | |
| | 2120219 | 12 | Element, High Pressure Filter | |
| | 70002231 | 12 | Element, Pressure Filter | |
| | 2120168 | 12 | Element, Hydraulic Oil Filter | |
| | | Ref | Engine - Deutz TD2011 | |
| | 1001202281 | 12 | Filter, Water/Fuel Separator | |
| | 7016328 | 12 | Filter, Fuel | |
| | 7016331 | 12 | Filter, Oil | |
| | 1600443 | Ref | Module, EMR2 Controller (ECU) (Note: Not available to order. Please contact JLG Parts Center) | |
| | 3740067 | 1 | Relay | |
| | 3740080 | 1 | Relay | |
| | | Ref | Engine - Deutz TCD2.9L4 | |
| | 70024190 | 12 | Element, Air Filter | |
| | 1001225430 | 12 | Filter, Fuel Primary | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001225431 | 12 | Filter, Fuel Secondary | |
| | 7016331 | 12 | Filter, Oil | |
| | 70023592 | 2 | Fuse, 20A | |
| | 70023593 | 2 | Fuse, 30A | |
| | 70025210 | Ref | Module, ECU (Note: Not available to order. Please contact JLG Parts Center) | |
| | 1001117308 | 1 | Relay | |
| | 70005648 | 1 | Relay | |
| | | Ref | Engine - Deutz TCD2.9L4 Stage V | |
| | 70024190 | 12 | Element, Air Filter | |
| | 1001225430 | 12 | Filter, Fuel Primary | |
| | 1001225431 | 12 | Filter, Fuel Secondary | |
| | 7016331 | 12 | Filter, Oil | |
| | 70023592 | 2 | Fuse, 20A | |
| | 70023593 | 2 | Fuse, 30A | |
| | 70025210 | Ref | Module, ECU (Note: Not available to order. Please contact JLG Parts Center) | |
| | 1001117308 | 1 | Relay | |
| | 1001196634 | 2 | Fuse, 2A (Breather Heater) | |
| | 8229249 | 2 | Fuse, 3A (USB Charger & Platform Console Box Harness) | |
| | 2400064 | 2 | Fuse, 5A (Clearsky Ready Harness) | |
| | 8229242 | 2 | Fuse, 5A (Engine Harness & Ground Control Box Harness) | |
| | 80983191 | 2 | Fuse, 10A (Engine Harness) | |
| | 2400065 | 2 | Fuse, 30A (Chassis Power Distribution Harness & Ground Control Box Harness) | |
| | 2860030 | 1 | Key, Replacement | |
| | 2940074 | 1 | Latch, Platform | |
| | 1001247468 | 1 | Loadcell (Platform Support) | |
| | 1001142683 | 1 | Module, Beacon Control (Red & Blue Beacons) | |
| | 1001227960 | 1 | Module, B.L.A.M. | |
| | 1001277210 | 1 | Module, Chassis **(Prior to SN 0300298203, Except SN 0300287801 through 0300287807)** | |
| | 1001112758 | 1 | Module, Chassis **(SN 0300298203 to Present, SN 0300287801 through 0300287807)** | |
| | 1001281100 | 1 | Module, Ground Control | |
| | 1600345 | 1 | Module, Platform Control | |
| | 3740067 | 1 | Relay (Battery & Aux Pump) | |
| | 3740049 | 1 | Relay (Ground Control Box) | |
| | 3740080 | 1 | Relay (2500w Generator & Chassis Power Distribution Harness) | |
| | 70006553 | 1 | Relay (4000w Generator) | |
| | 1001186431 | 1 | Relay (SkyGuard Bar Options) | |
| | 3740143 | 1 | Relay (Relay Harness) | |
| | 3740086 | 1 | Relay (SkyLine Options) | |
| | 1001147479 | 1 | Switch, Digital Angle Sensor (Boom Sensors & Switches) | |
| | 1001228225 | 1 | Sensor, Emitter (SkyEye) | |
| | 4360578 | 1 | Sensor, Limit (Axle) | |
| | 4360057 | 1 | Sensor, Limit (Soft Touch) | |
| | 4360579 | 1 | Sensor, Limit (Tower Boom Transport Length Switch Harness) | |
| | 4360548 | 1 | Sensor, Plunger (Boom Sensors & Switches) | |
| | 70000803 | 1 | Sensor, Pressure Switch (Traction Valve) | |
| | 1001253593 | 1 | Sensor, Pressure Transducer (Boom & Cylinder Install) | |
| | 7026031 | 1 | Sensor, Proximity (Rotary Coupling & Collector Ring) | |

# SECTION 10 - RECOMMENDED SERVICE PARTS STOCK

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001232667 | 1 | Sensor, Proximity (SkyLine) | |
| | 4000008 | 1 | Sensor, Proximity Assembly (Boom Sensors & Switches) | |
| | 1001228224 | 1 | Sensor, Receiver (SkyEye) | |
| | 4360505 | 1 | Sensor, Rotary Angle (Steer & Boom Sensors & Switches) | |
| | 1001137673 | 1 | Sensor, SkyGuard Bar | |
| | 7027738 | 1 | Sensor, Thermostatic (Main Valve) | |
| | 1001219601 | 1 | Sensor, Tilt Dual Axis CAN (Ground Control Box Assembly) | |
| | 1001225346 | 1 | Switch, Battery Disconnect | |
| | 1001117172 | 1 | Switch, Foot | |
| | 4360469 | 1 | Switch, Key | |
| | 4360274 | 1 | Switch, Pushbutton Gray (Ground Control Box) | |
| | 4360387 | 1 | Switch, Pushbutton Yellow (Console Box, Soft Touch & Ground control Box) | |
| | 4360475 | 1 | Switch, Push-Pull Emergency Stop | |
| | 70001432 | 1 | Switch, Rocker (Plasma Cutter) | |
| | 4360328 | 1 | Switch, Toggle (Ground Control Assembly & Tower Lift Switch) | |
| | 1001155045 | 1 | Switch, Toggle (Platform Console Box) | |
| | 1001159256 | 1 | Switch, Toggle (Platform Console Box) | |
| | 1001161709 | 1 | Switch, Toggle (Platform Console Box) | |
| | 1001161710 | 1 | Switch, Toggle (Platform Console Box) | |
| | 4360336 | 1 | Switch, Toggle (Generators) | |

# 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 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 | MISCELLANEOUS SPECIAL OPTIONS/ACCESSORIES/KITS | |
| | 1001108504 | Ref | Additional Transport Tie Down (ANSI Specs) | |
| | 1340067 | Ref | Air Cleaner Pre-Cleaner | |
| | 0273464 | Ref | Airline Installation, 1/2 in | |
| | 1001202697 | Ref | Air Intake Shut-off Valve (Deutz TCD2.9L4 Engines) | |
| | 1001288636 | Ref | Axle Lockout Cylinder Kit (Replacement for 1001228019) | |
| | 1001241275 | Ref | Axle Wear Pad Kit | |
| | 0271803 | Ref | Bellows, Cylinder (Fixed Axle) | |
| | 0271804 | Ref | Bellows, Cylinder (Oscillating Axle) | |
| | 0273471 | Ref | Bellows, Cylinder (Boom) | |
| | 1001306146 | Ref | Boom Angle Sensor Kit | |
| | 0273513 | Ref | Boom Wipers Installation | |
| | 1001233047 | Ref | Breather Heater (Deutz TCD2’9L4 Engines) | |
| | | Ref | ClearSky (Telematics) Installations (Dealer Installed) | |
| | 1001242192 | Ref | ClearSky (Telematics) Access Control Installation Kit (ANSI, ANSI Export and CSA Specs) | |
| | 1001243183 | Ref | ClearSky (Telematics) Add-on Kit (ANSI, ANSI Export and CSA Specs) | |
| | 1001243184 | Ref | ClearSky (Telematics) Add-on Kit (CE & UK CA Specs) | |
| | 1001276923 | Ref | ClearSky (Telematics) Add-on Kit (Contact JLG for Approved Countries) | |
| | 1001119938 | Ref | ClearSky Telematics (ANSI Spec) | |
| | 1001246142 | Ref | ClearSky Telematics (Australian Spec) | |
| | 1001119946 | Ref | ClearSky Telematics (CSA Spec) | |
| | 1001293501 | Ref | ClearSky Telematics CS550 Installation | |
| | 0273862 | Ref | Cold Weather Package (110V) | |
| | 1001235617 | Ref | Cold Weather Package (Deutz TCD2.9L4 Engines) | |
| | 1001271731 | Ref | Cold Weather Package (Deutz TCD2.9L4 (Stage V) Engines) | |
| | 0274885 | Ref | Cold Weather Transformer Installation | |
| | 0272621 | Ref | Control System Analyzer Installation | |
| | 1001251329 | Ref | Counterbalance Valve Replacement Kit | |
| | 1001213183 | Ref | Cribbing Enable Installation (ANSI Spec Only) | |
| | | Ref | Decal Installations | |
| | 0257195 | Ref | Decal - Government Warranty Decal | |
| | 1001270520 | Ref | Decal Kit - Machine (ANSI Spec) | |
| | 1001272202 | Ref | Decal Kit - Platform (ANSI Spec) | |
| | 1001272090 | Ref | Decal Kit - Platform Console Box (ANSI Spec) | |
| | 2902356 | Ref | Decal Kit - Tire Load | |
| | | 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 | |
| | 1001109621 | Ref | Exhaust Raincap Installation | |
| | 1120423 | Ref | Raincap | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001109619 | Ref | Tube, Exhaust Stack | |
| | 1001237883 | Ref | Fall Arrest Bolt on Kit (6FT x 1.83M) (ANSI, ANSI Export, China, CSA, and Japanese Specs) (Fits Platform p/ns 1001186384 & 1001228376) | |
| | 1001237882 | Ref | Fall Arrest Bolt on Kit (8FT x 2.44M) (ANSI, ANSI Export, China, CSA, and Japanese Specs) (Fits Platform p/ns 1001186383) | |
| | 1001206794 | Ref | Fan and Belt Grille Add-on Kit (Deutz D2011 Engines Only) | |
| | 1001206796 | Ref | Fan and Belt Grille Add-on Kit (Deutz TCD2.9L4 Engines Only) | |
| | 1001202076 | Ref | Fan and Belt Guard (Deutz TD2011 Engines) | |
| | 1001202221 | Ref | Fan and Belt Guard (Deutz TCD2.9L4 Engines, Deutz TCD2.9L4 (Stage V Pre-Buy) Engines and Deutz TCD2.9L4 (Stage V) Engines) | |
| | 1001145708 | Ref | Fan Guard Installation (Deutz TCD 2.9L4 Engines, Deutz TCD2.9L4 (Stage V Pre-Buy) Engines and Deutz TCD2.9L4 (Stage V) Engines Only) | |
| | | Ref | Filter Kits | |
| | | Ref | Deutz TD 2011 Engines | |
| | 1001137028 | Ref | Filter Kit (Service), Combined, Filter B-C45 | |
| | | Ref | Deutz TCD 2.9L4 Engines | |
| | 1001225648 | Ref | Filter Kit (Service), Combined, Filter B-C | |
| | 1001204046 | Ref | Engine - Water/Fuel Filter | |
| | 1001139099 | Ref | Fire Extinguisher Installation | |
| | 1001237831 | Ref | Fire Protection | |
| | 1001274830 | Ref | Floor Mat Add-on Kit (36x72 Platform) (Dealer Installed) | |
| | 1001274829 | Ref | Floor Mat Add-on Kit (36x96 Platform) (Dealer Installed) | |
| | 1001117294 | Ref | Foot Switch Shield (With Cold Weather Plus Package) | |
| | 1001191395 | Ref | Fuel Cap Cover, Lockable (Green) | |
| | 1001202749 | Ref | Fuel Cap Cover, Lockable (Black) | |
| | 1001103286 | Ref | Generator Hourmeter Installation | |
| | 1001277689 | Ref | Generator Service Kit | |
| | 1001277849 | Ref | GM to UGM2 Retrofit Ultra1 Kit | |
| | 0273502 | Ref | Headlight and Taillights Installation | |
| | 1001293369 | Ref | Hood Plug Installation | |
| | | Ref | Hose Kits | |
| | 1001193806 | Ref | Hose Kit - Boom Only | |
| | 1001204898 | Ref | Hose Kit - Platform Valve | |
| | 1001241418 | Ref | Hostile Environment Kit | |
| | 0273503 | Ref | Illumination Lights Installation | |
| | 1001148971 | Ref | Lanyard (Bolt-on) Installation Kit | |
| | 1001236951 | Ref | Low Temperature Cutout Installation (Russian Specs) | |
| | 1001272166 | Ref | Pipe Rack Kit | |
| | 1001195304 | Ref | Platform Console Cover Kit (Clear Polycarbonate) | |
| | 1580013 | Ref | Platform Corner Storage Tray | |
| | | Ref | Platform Entry Kits | |
| | 1001142504 | Ref | Drop Bar (Replacing Swing Gate with Drop Bar) | |
| | 1001142505 | Ref | Swing Gate (Replacing Drop Bar with Swing Gate) | |
| | 0273466 | Ref | Platform Floodlights Installation | |
| | 1001172045 | Ref | Platform Ladder Carrier Installation (30in and 36 in Platform) | |
| | 2910351 | Ref | Platform Level Cylinder Replacement Kit | |
| | | Ref | Platform Mesh (Steel) to Mid Rail Installations (ANSI, ANSI Export, Australian and CSA Specs) | |
| | 1001271760 | Ref | Platform Mesh (Steel) to Mid Rail Installation (Side Entry Platform) - 36in x 6ft (91.5cm x 1.83m) Platforms | |

# SECTION 11 - SPECIAL OPTIONS/ACCESSORIES/KITS

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001266284 | Ref | Platform Mesh (Nylon) to Mid Rail Installation (Side Entry Platform) - 36in x 6ft (91.5cm x 1.83m) Platforms | |
| | 1001269389 | Ref | Platform Mesh (Steel) to Mid Rail Installation (Side Entry Platform) - 36in x 8ft (91.5cm x 2.44m) Platforms | |
| | 1001266098 | Ref | Platform Mesh (Nylon) to Mid Rail Installation (Side Entry Platform) - 36in x 8ft (91.5cm x 2.44m) Platforms | |
| | 1001281458 | Ref | Platform Mesh (Steel) to Top Rail Add-On Kit - 36in x 6ft (91.5cm x 1.83m) with Gate | |
| | 1001281457 | Ref | Platform Mesh (Steel) to Top Rail Add-On Kit - 36in x 8ft (91.5cm x 2.44m) with Gate | |
| | | Ref | Platform Mesh (Steel) to Top Rail (ANSI, ANSI Export and CSA Specs) | |
| | 1001271642 | Ref | Platform Mesh (Steel) to Top Rail Installation (Side Entry Platform) - 36in x 6ft (91.5cm x 1.83m) Platforms | |
| | 1001266489 | Ref | Platform Mesh (Nylon) to Top Rail Installation (Side Entry Platform) - 36in x 6ft (91.5cm x 1.83m) Platforms | |
| | 1001269187 | Ref | Platform Mesh (Steel) to Top Rail Installation (Side Entry Platform) - 36in x 8ft (91.5cm x 2.44m) Platforms | |
| | 1001266056 | Ref | Platform Mesh (Nylon) to Top Rail Installation (Side Entry Platform) - 36in x 8ft (91.5cm x 2.44m) Platforms | |
| | 1001281453 | Ref | Platform Mesh (Steel) to Top Rail Add-On Kit - 36in x 6ft (91.5cm x 1.83m) with Gate | |
| | 1001281452 | Ref | Platform Mesh (Steel) to Top Rail Add-On Kit - 36in x 8ft (91.5cm x 2.44m) with Gate | |
| | 1001149730 | Ref | Platform Mid Rail Repair Kit | |
| | 1001269136 | Ref | Platform Portable Worklights | |
| | | Ref | Platform Rail Extensions | |
| | 0272733 | Ref | Platform Rail Extensions - 6ft Platform | |
| | 0272725 | Ref | Platform Rail Extensions - 8ft Platform | |
| | 0273465 | Ref | Platform Worklights Installation | |
| | 1001209059 | Ref | Platform Work Surface Installation | |
| | 1001190892 | Ref | Service Tools & Kits | S |
| | 1001247073 | Ref | Skyeye Retrofit Kit | |
| | 1001241547 | Ref | SkyEye Housing Repair Kit (LH) | |
| | 1001241548 | Ref | SkyEye Housing Repair Kit (RH) | |
| | | Ref | SkyGuard Component Options: | |
| | 1001209481 | Ref | SkyGuard Complete Add-On Kit (Blue Beacon) | |
| | 1001210029 | Ref | SkyGuard Complete Add-On Kit (Red Beacon) | |
| | 1001250035 | Ref | SkyGuard Platform Sensor Kit | |
| | 1001249052 | Ref | SkyGuard Retrofit Kit | |
| | 1001206544 | Ref | SkyGuard Strobe Light Kit (Blue Beacon) | |
| | 1001250595 | Ref | SkyGuard 6-Pin Retrofit Installation Kit | |
| | 1001262016 | Ref | SkyLine Kit (Dealer Installed) | |
| | 1001250465 | Ref | SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Installation (Factory Installed) | |
| | 1001252033 | Ref | SkySense/Enhanced Detection System (EDS) Level 1 (2-Bar) Add-on Kit (Dealer Installed) | |
| | 1001250466 | Ref | SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Add-on Kit (Dealer Installed) SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Installation (Factory Installed) | |
| | 1001252034 | Ref | SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Add-on Kit (Dealer Installed) SkySense/Enhanced Detection System (EDS) Level 2 (3-Bar) Add-on Kit (Dealer Installed) | |
| | 1001253618 | Ref | SkySense Module Kit (EDS) Level 1 (2-Bar) (Dealer Installed) | |
| | 1001253619 | Ref | SkySense Module Kit (EDS) Level 2 (3-Bar) (Dealer Installed) | |

| ITEM | PART NUMBER | QTY | DESCRIPTION | REV |
|---|---|---|---|---|
| | 1001231235 | Ref | SkyWelder Locking Bracket | |
| | 1001281070 | Ref | Strobe Beacon Replacement Kit | |
| | 1001284521 | Ref | Telematics Gateway (Dealer Installed) | |
| | | Ref | Tools For Service | |
| | 2901443 | Ref | Analyzer Kit | |
| | 1001249695 | Ref | Analyzer, Machine System with Cable | |
| | 1001249941 | Ref | Analyzer, Machine System with Cable (Battery Powered) | |
| | 3128444 | Ref | CD, Troubleshooting | |
| | 7002821 | Ref | Crimper, Wire | |
| | 7002823 | Ref | Pin Extractor - Universal (For Electrical Connectors with Pins and Sockets) | |
| | 4460467 | Ref | Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors) | |
| | 4460510 | Ref | Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors) | |
| | 7016654 | Ref | Screwdriver, Magnetic | |
| | 7002822 | Ref | Screwdriver, Pontiometer | |
| | 7004275 | Ref | Seal Tool 1 in (For Cylinders) | |
| | 7004276 | Ref | Seal Tool 1-1/2 in (For Cylinders) | |
| | 7002828 | Ref | Stripper, Wire | |
| | 7016655 | Ref | Wire Rope Sheave Gauge | |
| | 1001106846 | Ref | Sleeve, Cylinder Head Installation (Tower Lift Cylinder) | |
| | 1001106847 | Ref | Sleeve, Cylinder Piston Installation (Tower Lift Cylinder) | |
| | 1001106848 | Ref | Gauge, Go - No Go (Tower Lift Cylinder) | |
| | 1001107000 | Ref | Sleeve, Cylinder Head Installation (Main Lift Cylinder) | |
| | 1001107001 | Ref | Sleeve, Cylinder Piston Installation (Main Lift Cylinder) | |
| | 1001107002 | Ref | Gauge, Go - No Go (Main Lift Cylinder) | |
| | 1001107143 | Ref | Sleeve, Cylinder Head Installation (Tower Telescope Cylinder) | |
| | 1001107145 | Ref | Sleeve, Cylinder Piston Installation (Tower Telescope Cylinder) | |
| | 1001107146 | Ref | Gauge, Go - No Go (Tower Telescope Cylinder) | |
| | 1001107147 | Ref | Gauge, Go - No Go (Tower Telescope Cylinder) | |
| | 1001137005 | Ref | Software Cable Kit (Service Kit) | |
| | 70004185 | Ref | Torque Multiplier | |
| | 70004646 | Ref | Puller | |
| | 70004647 | Ref | Seal Tool for Lifetine Seal Assembly | |
| | 70004648 | Ref | Puller for Brade Disassembly | |
| | 1001265327 | Ref | Tower Stow Sensor/Indicator Add-on Kit (Dealer Installed) | |
| | 2915072 | Ref | Turntable Bearing Kit | |
| | 1001277844 | Ref | UGM2 Retrofit Ultra1 Kit | |
| | 1001274249 | Ref | USB Charger Add-on Kit (Dealer Installed) | |
| | 1001262959 | Ref | Voltage Regulator Relocatio Kit (ClearSky) | |
| | 1001119136 | Ref | Wear Pad Kit (Includes Wear Pads, Shims and Hardware) | |
| | 0273467 | Ref | Weld Leads at Platform Installation | |
| | 1001277222 | Ref | White Noise Alarm Kit | |
| | 1001277191 | Ref | White Noise Ambient Alarm Kit | |

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