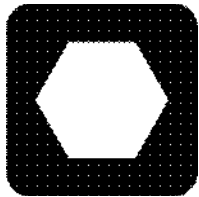


SK752

Parts Manual



Ditch Witch[®]

SK752

ISSUE NO. 06PL-07/17

For Replacement Copy Order **P/N 053-2864**

This product and its use may be covered by one or more patents at <http://patents.charlesmachine.works>.

This manual contains information concerning the following models:
SK752

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FOREWORD

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

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

Keep the following in mind when ordering Ditch Witch replacement parts:

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

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



A CHARLES MACHINE WORKS COMPANY

WARRANTY

DW WARRANTY Policy
August, 2016

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

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

EXCLUSIONS FROM PRODUCT WARRANTY

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

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

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

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

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

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

For information regarding this limited warranty, contact the DWPS, P.O. Box 66, Perry, OK 73077-0066, or contact your local dealer.

CONTENTS

Decals

Decal Location 8

Engine Components

Air Cleaner 24
 Air Filters..... 26
 Alternator Mounting..... 14
 Engine 12
 Engine Cooling System..... 22
 Engine Mounts..... 16
 Engine Oil Drain..... 30
 Engine Oil Filter 32
 Exhaust..... 28
 Fuel Tank & Fuel Lines 34
 Pump Mount Installation..... 18
 Throttle Linkage 20

Power Train

Grease Cylinder 46, 48
 Hub and Brake Rotor 42
 Rubber Track Options..... 52
 Track Assembly 40
 Track Frame Installation..... 50
 Track Motors and Sprockets 38
 Track Roller Hub..... 44

Frame Components

Attachment Plate Mounting 78
 Auto Latch..... 80
 Battery Base and Cables 66
 Brackets and Braces..... 64
 Engine Compartment Flaps..... 62
 Fuel Tank Mounting 56
 Grille 68
 Hood..... 72
 Hydraulic Tank Assembly..... 58
 Hydraulic Tank Mounting 60
 Lift Arm Mounting..... 76
 Rear Access Cover & Manual Comp..... 74
 Rear and Side Covers..... 70

Control Components

Auxiliary Control Foot Pedal..... 88
 Console..... 86
 Parking Brake 84
 Throttle Cable 90

Hydraulics

Auxiliary Hydraulics 110
 Auxiliary Pump Pressure Hydraulics..... 108
 Control Valve Mounting 96
 Cooler By-Pass Hydraulics..... 106
 Dual Joystick Mounting 100
 Ground Drive Hydraulics 122
 Hydraulic Control Valve 124
 Hydraulic Cylinder – 2.0" x 1.25"..... 128
 Hydraulic Cylinder – 2.5 x 1.25 x 10.0..... 126
 Hydraulic Schematic..... 94
 Lift Arm Hydraulics 112
 Park Brake Hydraulics..... 120
 Pilot Control Hydraulics – Single Joystick ... 118
 Pilot Control Hydraulics 116
 Return and Filter Hydraulics 104
 Single Joystick Mounting..... 98
 Supply Hydraulics 102
 Tilt Cylinder Hydraulics..... 114

Electrical

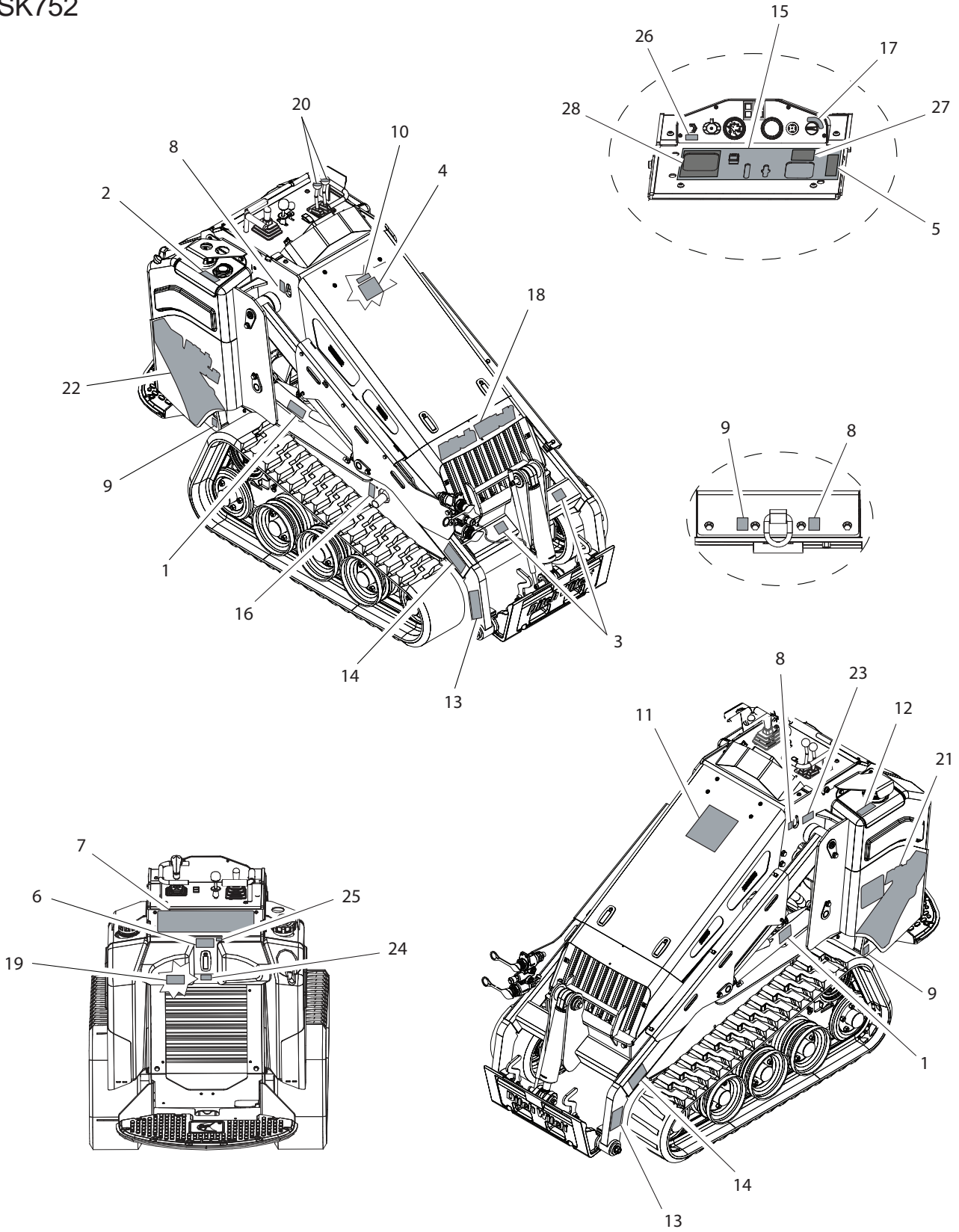
Electrical Diagram – Battery Cable..... 142
 Electrical Diagram – Engine/Frame Harness 136
 Electrical Schematic..... 132

Miscellaneous

Bolt/Nut Torque Chart 146
 Filters 150
 Optional Kits 150
 Parts Manual Change Request 151
 Related Publications 150
 Replacement O-Ring Chart 149
 Warranty Registration 154

DECALS

DECAL LOCATION SK752



DECAL LOCATION

SK752

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|----------------|
| | 270-6218 | | SK752 SERVICE DECAL KIT | |
| 1 | 273-413 | 2 | WARNING SECURE CYLINDER | |
| 2 | 270-5338 | 1 | ULTRA LOW SULFUR FUEL | |
| 3 | 270-6304 | 2 | LOCK/UNLOCK | |
| 4 | 270-6866 | 1 | LUBRICATION CHART | |
| 5 | 274-724 | 1 | WARNING ONE CALL NOTIFICATION | |
| 6 | 273-475 | 1 | WARNING READ OPERATOR MANUAL | |
| 7 | 270-6869 | 1 | OPERATOR INSTRUCTIONS | |
| 8 | 274-442 | 3 | LIFT LOCATION | |
| 9 | 274-318 | 3 | TIE DOWN LOCATION | |
| 10 | 270-6868 | 1 | FUSE/RELAY BLOCK | |
| 11 | 270-6210 | 1 | LOGO | |
| 12 | 275-120 | 1 | RESERVOIR (THF) | |
| 13 | 275-184 | 2 | WARNING MOVING PARTS | |
| 14 | 275-326 | 2 | WARNING CRUSHING WEIGHT | |
| 15 | 270-6865 | 1 | CONTROL PANEL | |
| 16 | 275-355 | 1 | CAUTION HOT PARTS | |
| 17 | 700-138 | 1 | IGNITION SWITCH | |
| 18 | 270-5660 | 1 | LOGOTYPE | |
| 19 | 270-1023 | 1 | NOTICE HYDRAULIC OIL LEVEL | |
| 20 | 700-094 | 2 | ORANGE KNOB COVER | |
| 21 | 270-6850 | 1 | SK752 LEFT MODEL ID | |
| 22 | 270-6849 | 1 | SK752 RIGHT MODEL ID | |
| 23 | 273-459 | 1 | WARNING NO ETHER/STARTER FLUID | |
| 24 | 270-6773 | 1 | PATENT | |
| 25 | 270-6406 | 1 | OPERATOR MANUAL REPLACEMENT | |
| 26 | 700-259 | 1 | PREHEAT | |
| 27 | 270-6405 | 1 | TRENCHER OVERLAY | SEE FOOTNOTE 1 |
| 28 | 270-6302 | 1 | JOYSTICK CONTROLLER OVERLAY | SEE FOOTNOTE 2 |

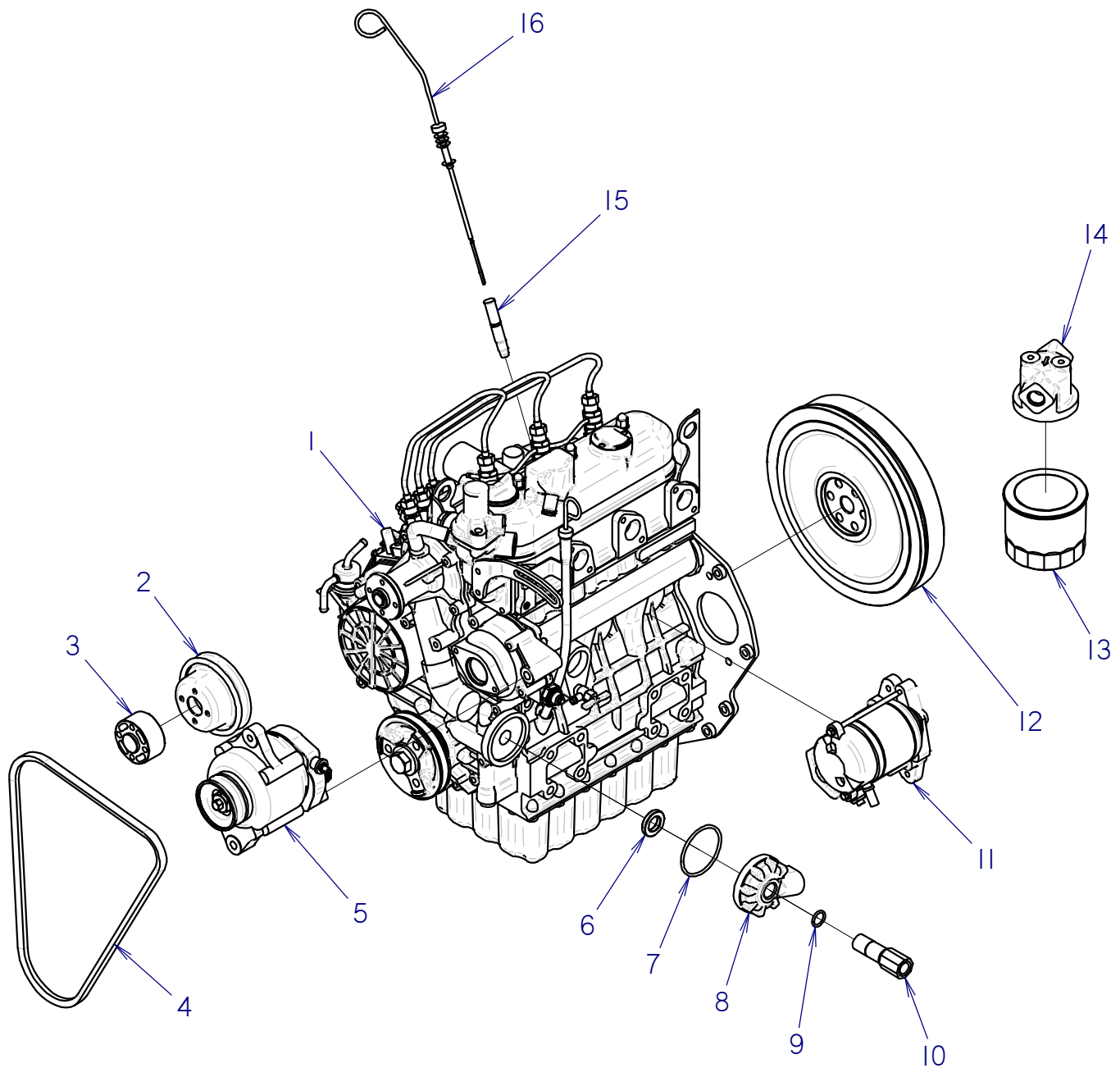
FOOTNOTES

1. NOT PART OF KIT. USE WITH TR50
2. NOT PART OF KIT. USE WITH SINGLE JOYSTICK OPTION

ENGINE COMPONENTS

ENGINE - KUBOTA D1105

SK750



ENGINE - KUBOTA D1105 SK750

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------|---------|
| 1 | 195-1188 | 1 | ENGINE-T4F KUBOTA D1105-E | |
| 2 | 194-380 | 1 | FAN PULLEY | |
| 3 | 195-1207 | 1 | FAN SPACER | |
| 4 | 195-1822 | 1 | FAN BELT | |
| 5 | 217-453 | 1 | ALTERNATOR | |
| 6 | 502-165 | 1 | COLLAR | |
| 7 | 502-166 | 1 | O-RING | |
| 8 | 502-162 | 1 | BASE (OIL FILTER) | |
| 9 | 502-163 | 1 | O-RING | |
| 10 | 502-164 | 1 | PIPE JOINT | |
| 11 | 194-382 | 1 | STARTER | |
| 12 | 194-378 | 1 | FLYWHEEL & RING GEAR | |
| 13 | 194-881 | 1 | OIL FILTER | |
| 14 | 502-161 | 1 | REMOTE HEAD | |
| 15 | 500-1178 | 1 | OIL GAUGE GUIDE | |
| 16 | 500-1179 | 1 | OIL GAUGE (DIPSTICK) | |

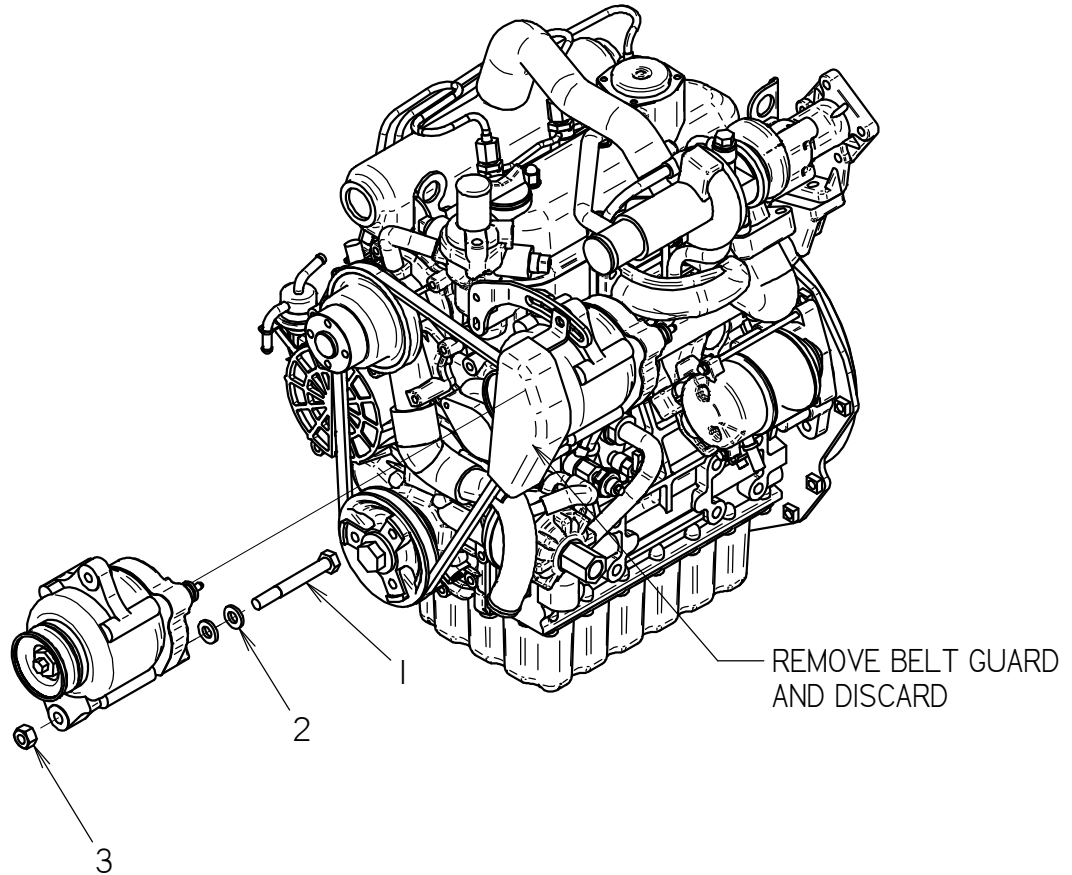
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FOOTNOTES:

NOTE:

ALTERNATOR MOUNTING

SK750 / SK755



ALTERNATOR MOUNTING

SK750 / SK755

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|----------------|
| 1 | 107-982 | 1 | HHCS M10-1.50 X 85MM,10.9 ZP | SEE FOOTNOTE 1 |
| 2 | 106-396 | 2 | WASHER (M10, HARDENED) | |
| 3 | 105-894 | 1 | LOCKNUT(M10-1.50,PRV TRQ,10.9) | |

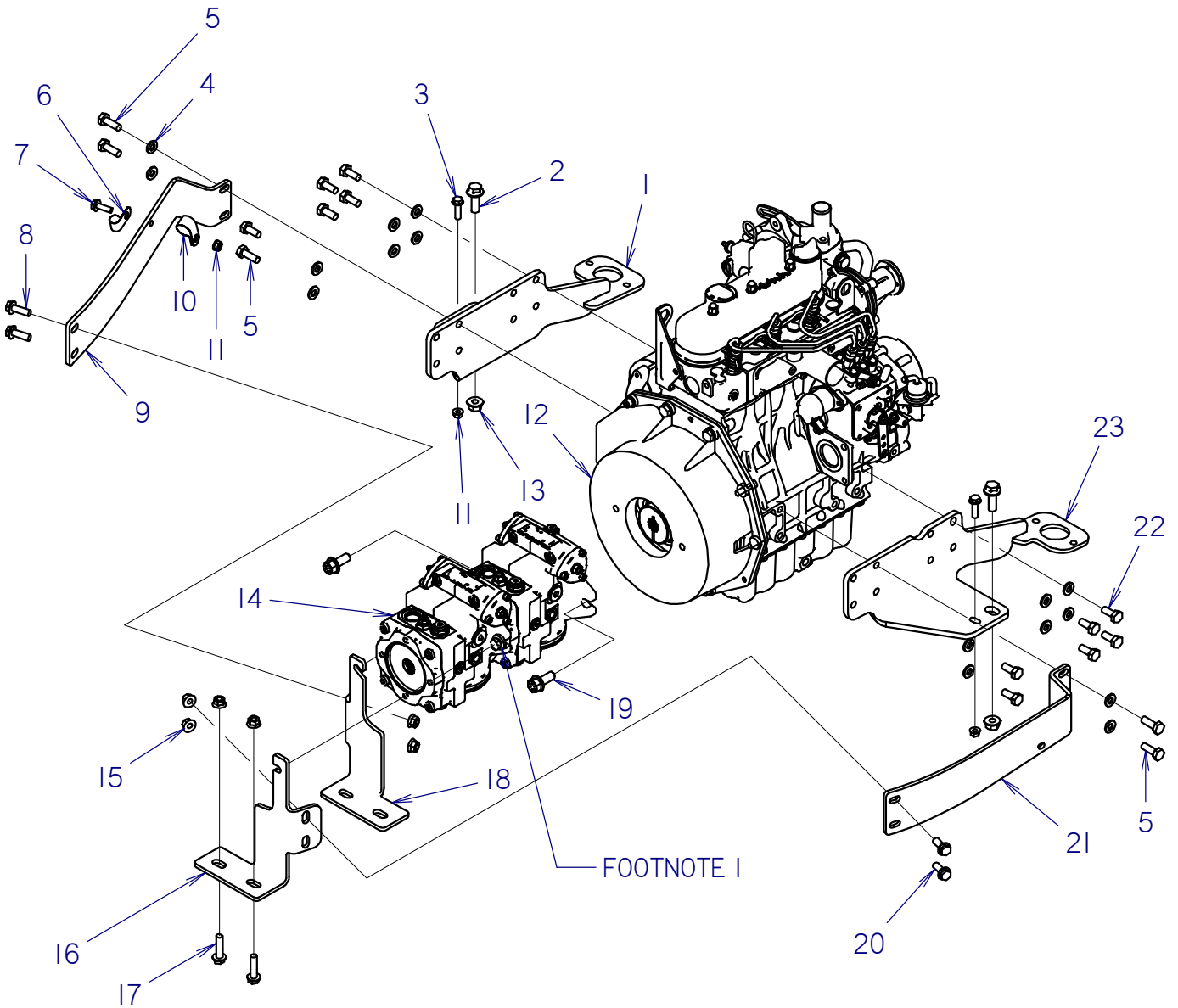
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FOOTNOTES:

1. BOLT 107-982 REPLACES 106-206. BOLT 107-982 IS 5MM SHORTER AND IS INSTALLED FROM THE BACK SIDE OF THE ALTERNATOR BRACKET TO ALLOW FOR EASIER REMOVAL.

NOTE:

ENGINE MOUNTS



ENGINE MOUNTS

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|--|
| 1 | 301-9777 | 1 | MOTOR MOUNT | |
| 2 | 106-496 | 2 | FLG SCREW (M12-1.75 X 35MM) | |
| 3 | 106-163 | 2 | FLG SCREW (M8-1.25 X 30MM) | |
| 4 | 106-396 | 16 | WASHER (M10, HARDENED) | |
| 5 | 105-1265 | 5 | SCREW (M10-1.25 X 30MM, 10.9) | USE LOCTITE 277 OR EQUIVALENT - TORQUE TO 32-36 FT/LBS |
| 6 | 110-259 | 1 | BOLT-ON CLAMP (625") | |
| 7 | 106-381 | 1 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 8 | 106-164 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 9 | 301-0344 | 1 | PUMP SUPPORT | |
| 10 | 110-333 | 1 | BOLT-ON CLAMP (1") | |
| 11 | 106-386 | 3 | FLG LOCKNUT (M8-1.25) | |
| 12 | 325-832 | 1 | PUMP MOUNT | |
| 13 | 106-709 | 2 | FLG LK NUT (M12-1.75) | |
| 14 | 150-4230 | 1 | TANDEM HYDRO PUMP | |
| 15 | 106-387 | 6 | FLG LOCKNUT (M10-1.50) | |
| 16 | 301-0367 | 1 | PUMP MOUNT | |
| 17 | 105-1597 | 2 | FLG SCREW (M10-1.50 X 40MM) | |
| 18 | 301-0366 | 1 | PUMP MOUNT | |
| 19 | 106-202 | 2 | FLG BOLT (1/2-NC X 1-1/4",GD8) | |
| 20 | 106-724 | 2 | FLG SCREW (M10-1.50 X 25MM) | |
| 21 | 301-0444 | 1 | PUMP SUPPORT | |
| 22 | 111-054 | 11 | SCREW (M10-1.25 X 25MM) | USE LOCTITE 277 OR EQUIVALENT - TORQUE TO 32-36 FT/LBS |
| 23 | 301-9779 | 1 | MOTOR MOUNT | |

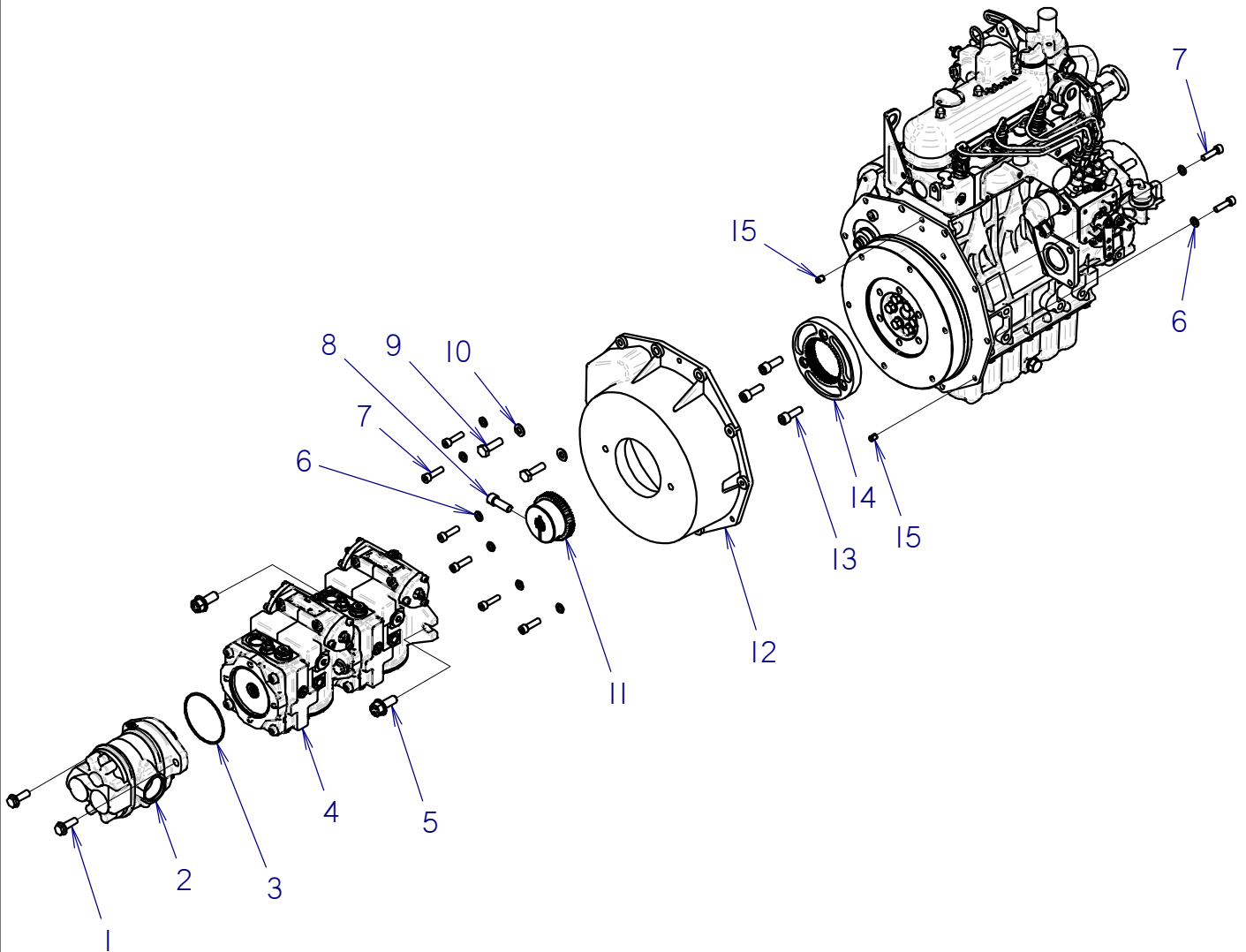
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FOOTNOTES:

1. USE EXISTING BOLTS AND WASHERS WHEN INSTALLING PUMP MOUNTS (301-0366 & 301-0367) - TORQUE TO 37 FT-LBS.

NOTE:

PUMP MOUNT INSTALLATION



PUMP MOUNT INSTALLATION

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------------|-------------------------------------|
| 1 | 106-164 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 2 | 150-3573 | 1 | HYD PUMP CW DOUBLE DISP GEAR (50/40) | |
| 3 | 157-041 | 1 | O-RING (152 D70) | |
| 4 | 150-4230 | 1 | TANDEM HYDRO PUMP | |
| 5 | 106-202 | 2 | FLG BOLT (1/2-NC X 1-1/4",GD8) | |
| 6 | 106-389 | 8 | WASHER (M8) | |
| 7 | 105-892 | 8 | SCREW (M8-1.25 X 30MM, SOC) | SEE FOOTNOTE 1 & 2 |
| 8 | 106-305 | 1 | BOLT (7/16-NC X 1-1/4", SOC, GD8) | SEE FOOTNOTE 3 |
| 9 | 107-357 | 2 | SCREW (M10-1.25 X 35MM, 8.8) | TORQUE TO 40 FT-LBS (54 N-M) |
| 10 | 106-390 | 2 | WASHER (M10) | |
| 11 | 195-1125 | 1 | 13 TOOTH SPLINE HUB | |
| 12 | 325-832 | 1 | ENGINE PUMP MOUNT | SEE FOOTNOTE 4 |
| 13 | 107-925 | 3 | SCREW (M10-1.25 X 30MM, SOC) | TORQUE TO 40 FT-LBS (54 N-M) |
| 14 | 194-387 | 1 | PUMP MOUNT FLANGE | SIDE W/ WRITING GOES TOWARD ENGINE. |
| 15 | N/A | 2 | ROLL PIN (M8 X 12MM) | INCLUDED W/ REF 12 |

NOT SHOWN:

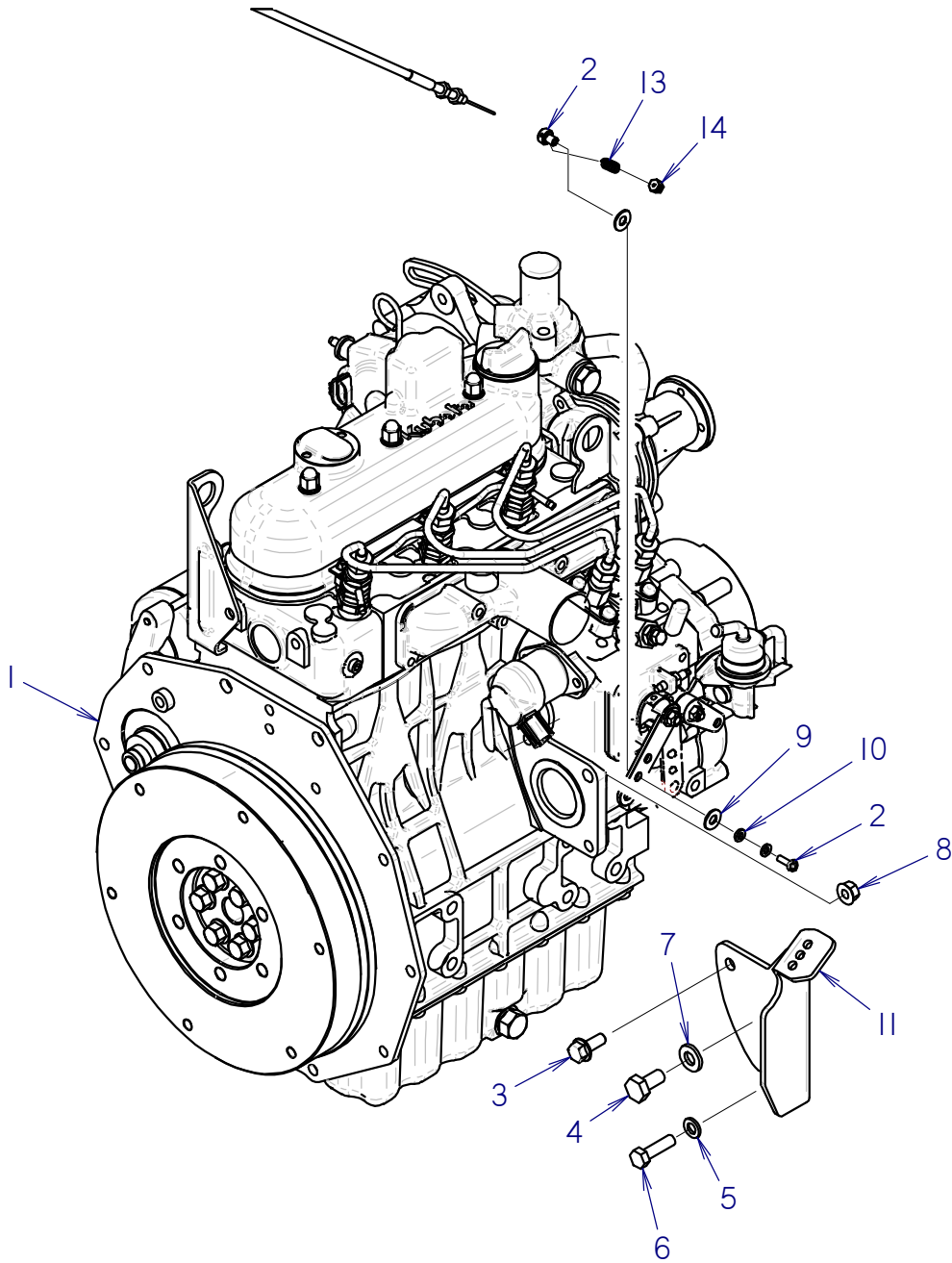
FOOTNOTES:

1. TORQUE TO 13 FT-LBS (18N-M) -- 2 BOLTS ON ENGINE SIDE OF "ENGINE PUMP MOUNT".
2. TORQUE TO 20 FT-LBS (27 N-M) -- 6 BOLTS ON PUMP SIDE OF "ENGINE PUMP MOUNT".
3. USE 242 LOCTITE OR EQUIVALENT AND TORQUE TO 60 FT-LBS (81 N-M).
4. INCLUDES REF NUMBERS 6-15.

NOTE:

THROTTLE LINKAGE

SK750 / SK755/ SK752



THROTTLE LINKAGE

SK750 / SK755/ SK752

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------------|---------|
| 1 | 195-1188 | 1 | ENGINE, T4F KUBOTA D1105-E | |
| 2 | 196-058 | 1 | CABLE SWIVEL (.081") | |
| 3 | 106-162 | 1 | FLG SCREW (M8-1.25 X 20MM, GD8) | |
| 4 | 106-958 | 1 | SCREW (M10-1.25 X 20MM) | |
| 5 | 106-389 | 1 | WASHER (M8) | |
| 6 | 106-327 | 1 | SCREW (M8-1.25 X 30MM) | |
| 7 | 106-396 | 1 | WASHER (M10, HARDENED) | |
| 8 | 106-386 | 1 | FLG LOCKNUT (M8-1.25) | |
| 9 | 106-076 | 2 | WASHER (.114") | |
| 10 | 106-205 | 2 | WASHER (.191") | |
| 11 | 327-696 | 1 | THROTTLE BRACKET | |
| 13 | 115-618 | 1 | COMPRESSION SPRING (.625") | |
| 14 | 107-912 | 1 | CABLE STOP | |

NOT SHOWN:

195-1169 ENGINE, KUBOTA D1105-T TIER 3

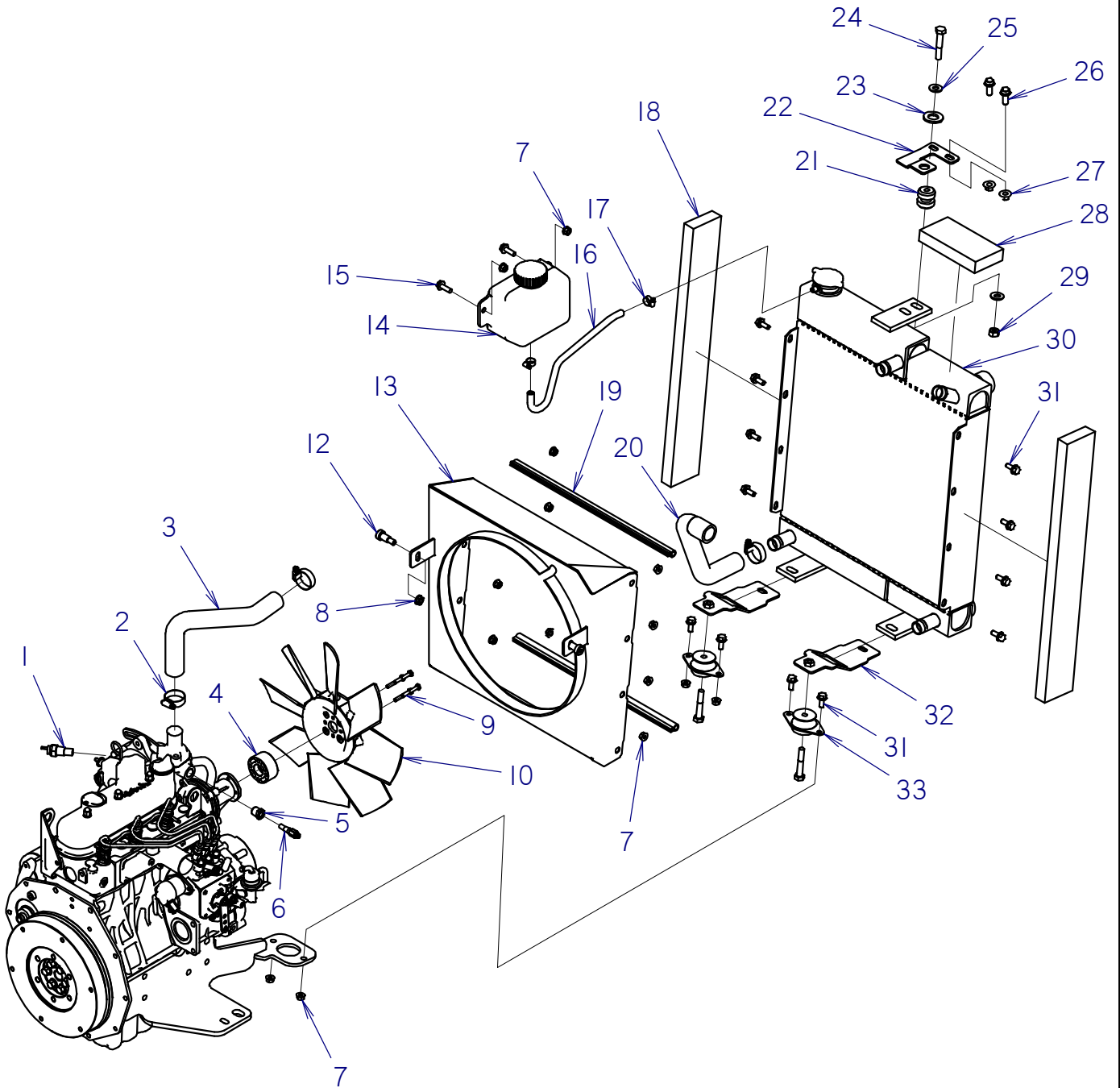
SK755

FOOTNOTES:

NOTE:

FOR THROTTLE CABLE REFER TO ID0417723.

ENGINE COOLING SYSTEM



ENGINE COOLING SYSTEM

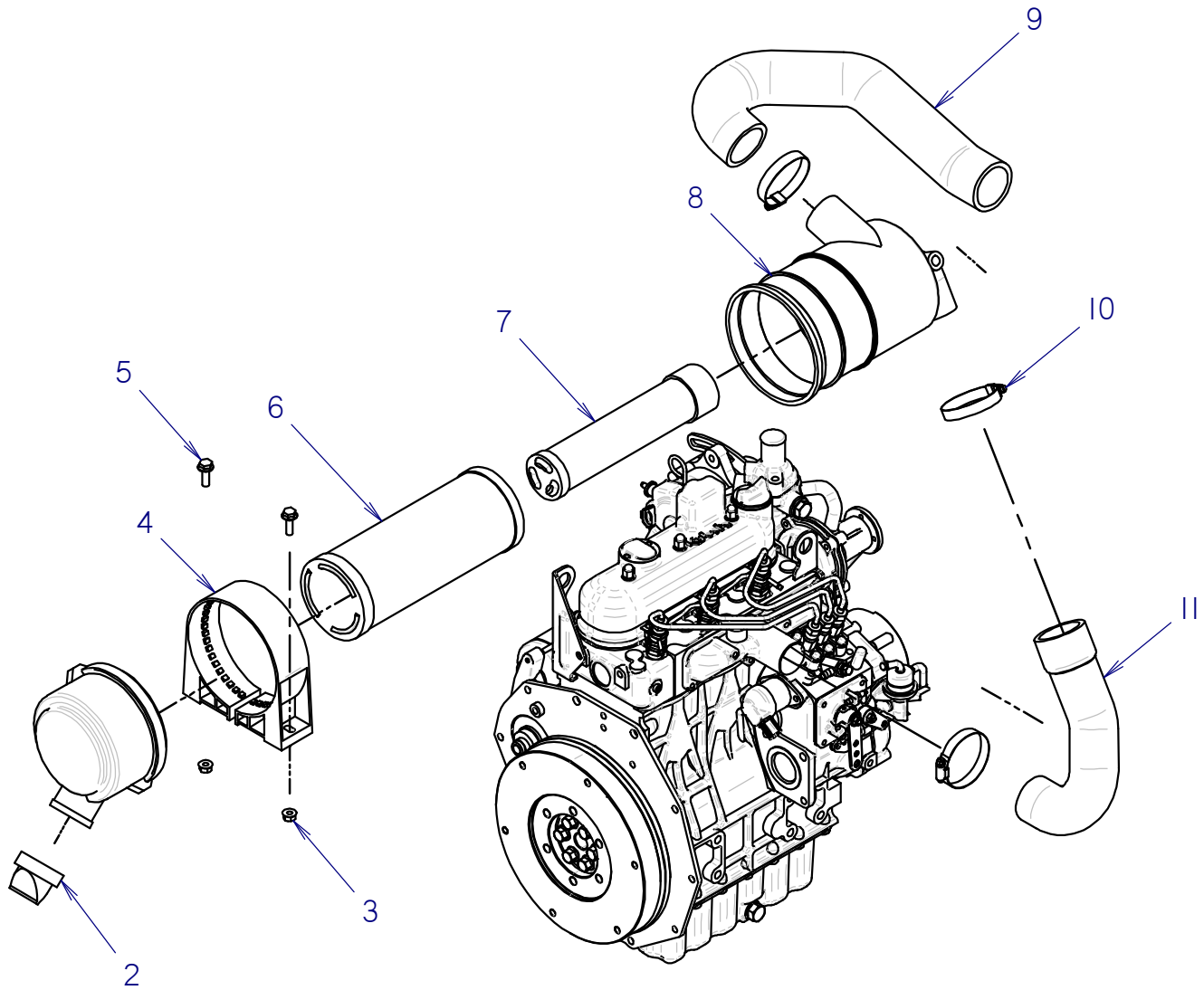
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-----------------------------------|--|
| 1 | 213-338 | 1 | TEMPERATURE SWITCH | USE LOCTITE 567 |
| 2 | 110-353 | 3 | WORM CLAMP (3/4" TO 1-1/2") | |
| 3 | 118-208 | 1 | UPPER RADIATOR HOSE | |
| 4 | 195-1207 | 1 | FAN SPACER | |
| 5 | 115-251 | 1 | REDUCER (06N-02NF) | USE LOCTITE 567 |
| 6 | 217-565 | 1 | TEMPERATURE SENDER | USE LOCTITE 567 |
| 7 | 106-386 | 14 | FLG LOCKNUT (M8-1.25) | |
| 8 | 105-834 | 2 | FLG LOCKNUT (3/8-NC) | |
| 9 | 105-1056 | 4 | SCREW (M6-1.00 X 40MM) | USE LOCTITE 242 AND TORQUE TO 90 IN-LBS (7.5 FT-LBS, 10 N-M) |
| 10 | 194-530 | 1 | ENGINE FAN | |
| 12 | 107-646 | 2 | SHLD BLT (1/2" X 3/4", 3/8-NC) | |
| 13 | 300-6840 | 1 | FAN SHROUD WELDMENT | |
| 14 | 362-1899 | 1 | TANK 1 QT. | |
| 15 | 106-381 | 2 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 16 | 116-108 | 14 | BULK HOSE (5/16", SOLD PER 1") | |
| 17 | 110-249 | 2 | WORM CLAMP (1/4" TO 5/8") | |
| 18 | 118-168 | 46 | SOUND INSULATION | USE 2 @ 23" |
| 19 | 116-421 | 34 | BULK EDGE (1/8", SOLD PER FT) | USE 2 @ 17" |
| 20 | 195-1782 | 1 | LOWER RADIATOR HOSE | |
| 21 | 116-128 | 1 | SHOCK MOUNT | |
| 22 | 300-6845 | 1 | BRACE | |
| 23 | 105-975 | 1 | WASHER (3/4") | |
| 24 | 106-628 | 3 | SCREW (M10-1.50 X 60MM) | |
| 25 | 105-118 | 2 | WASHER (3/8") | |
| 26 | 105-826 | 2 | FLG LK BOLT (3/8-NC X 1") | |
| 27 | 105-814 | 2 | FLG LOCKNUT (3/8-NC) | |
| 28 | 118-168 | 6 | SOUND INSULATION | USE 1 @ 6" |
| 29 | 105-894 | 1 | LOCKNUT (M10-1.50, PRV TRQ, 10.9) | |
| 30 | 195-1268 | 1 | RADIATOR/OIL COOLER | |
| 31 | 106-162 | 12 | FLG SCREW (M8-1.25 X 20MM, GD8) | |
| 32 | 301-4998 | 2 | NUT PLATE | |
| 33 | 116-539 | 2 | ISOLATOR | |

NOT SHOWN:

FOOTNOTES:

NOTE:

AIR CLEANER



AIR CLEANER

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---|
| 1 | 194-093 | 1 | AIR FLITER PARTS ASSY | INCLUDES REF'S 4-8, SEE "NOT SHOWN" BELOW |
| 2 | 194-761 | 1 | DISCHARGE VALVE | |
| 3 | 106-386 | 2 | FLG LOCKNUT (M8-1.25) | |
| 4 | 194-343 | 1 | MOUNTING CLAMP (5.750") | |
| 5 | 106-381 | 2 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 6 | 194-038 | 1 | FILTER ELEMENT, PRIMARY | |
| 7 | 194-039 | 1 | FILTER ELEMENT - SECONDARY | |
| 8 | 194-093 | 1 | AIR FILTER PARTS ASS'Y | |
| 9 | 195-2329 | 1 | AIR INTAKE HOSE | |
| 10 | 110-134 | 3 | WORM CLAMP (2.062" TO 2.750") | |
| 11 | 195-2328 | 1 | FILTER OUTLET HOSE | |

NOT SHOWN:

195-1366

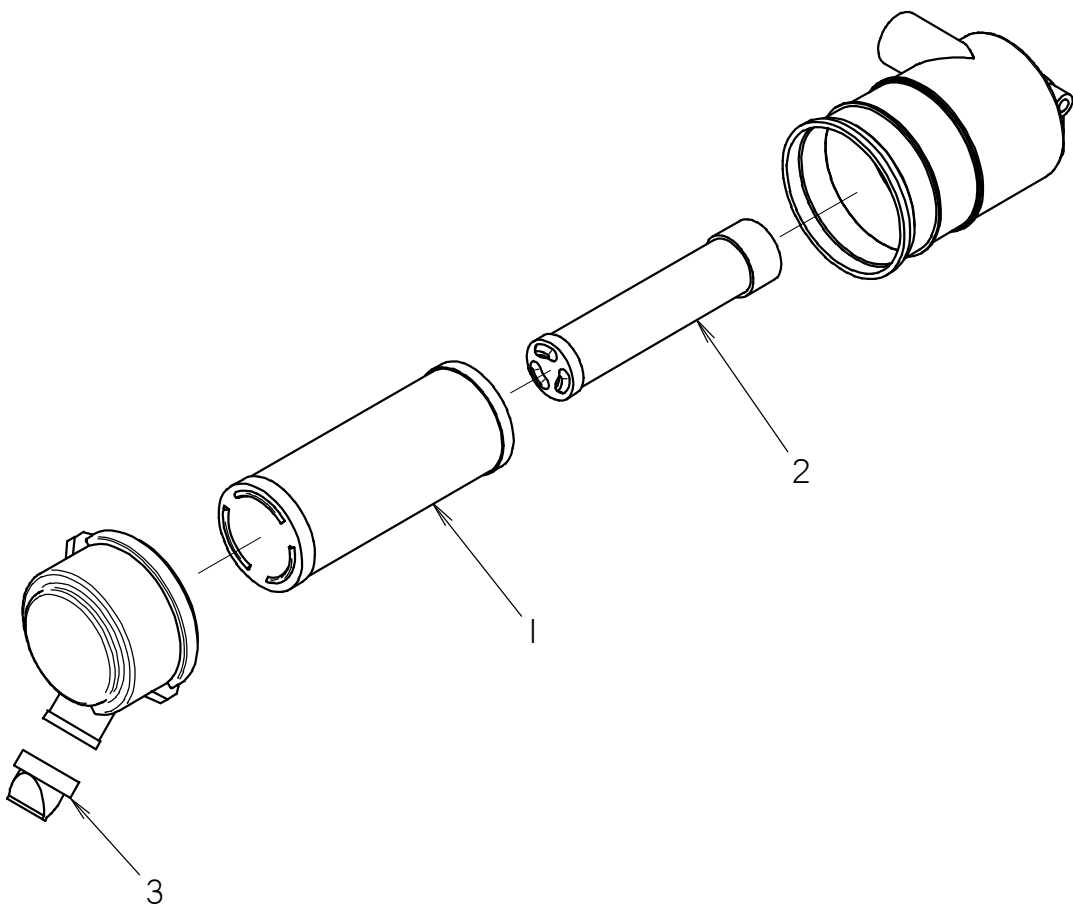
AIR FLITER END CAP

SERVICE PART

FOOTNOTES:

NOTE:

AIR FILTERS



AIR FILTERS

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|------------|----------------|-----|----------------------------|-----------------------------------|
| | 194-093 | - | AIR FILTER PARTS ASS'Y | INCL. REF. #'S 1-3, SEE NOT SHOWN |
| 1 | 194-038 | 1 | FILTER ELEMENT, PRIMARY | |
| 2 | 194-039 | 1 | FILTER ELEMENT - SECONDARY | |
| 3 | 194-761 | 1 | DISCHARGE VALVE | |

NOT SHOWN:

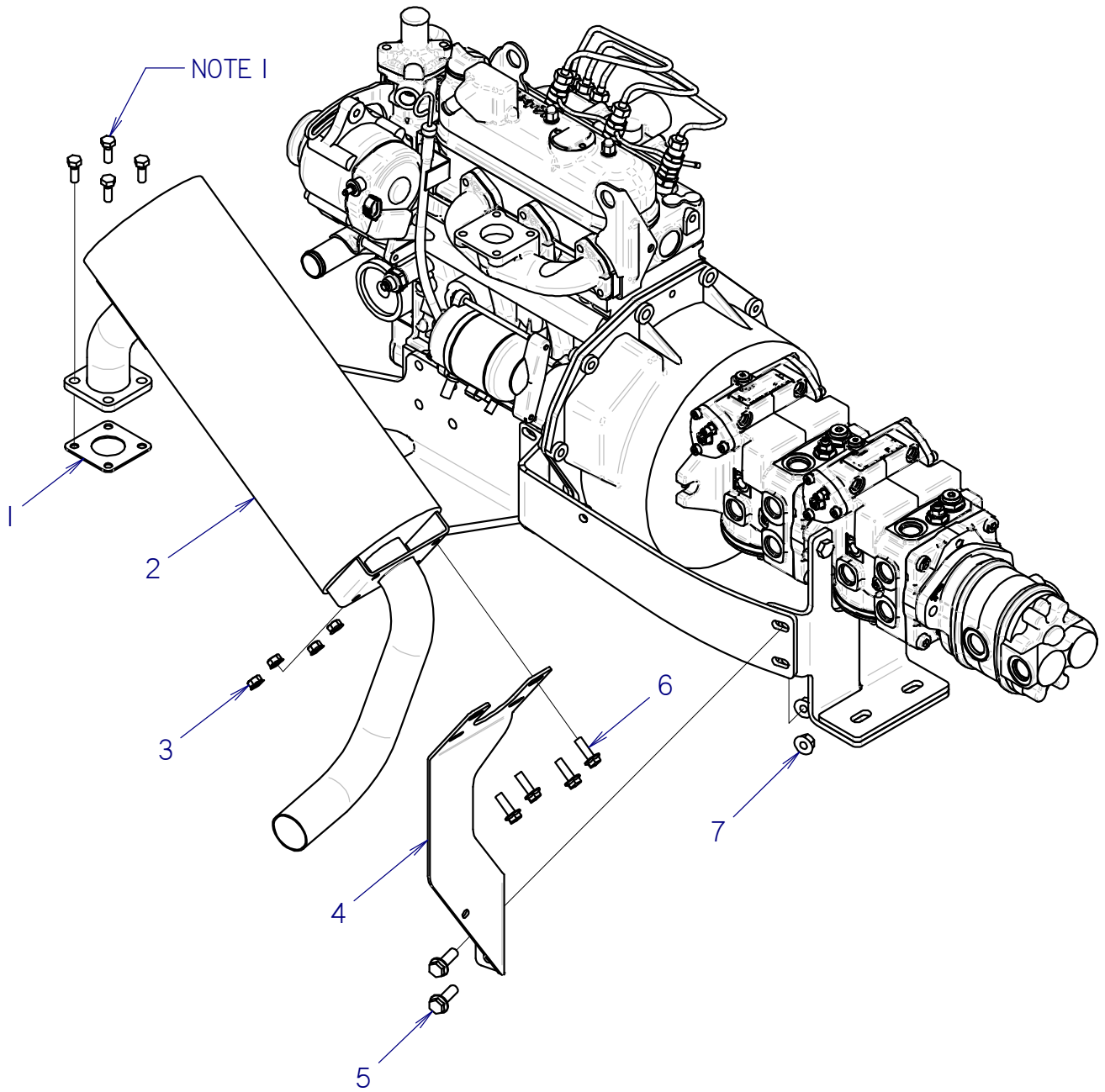
1- 195-1366 - AIR FILTER END CAP

SERVICE PART

FOOTNOTES:

NOTE:

EXHAUST



EXHAUST

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|--|
| 1 | 149-326 | 1 | GASKET, MUFFLER | |
| 2 | 195-1755 | 1 | EXHAUST MUFFLER | MOUNT USING 4X M8-1.25 X 22MM SCREWS (INCLUDED WITH ENGINE). |
| 3 | 106-386 | 4 | FLG LOCKNUT (M8-1.25) | |
| 4 | 301-0343 | 1 | MUFFLER BRACKET | |
| 5 | 106-164 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 6 | 106-381 | 4 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 7 | 106-387 | 2 | FLG LOCKNUT (M10-1.50) | |

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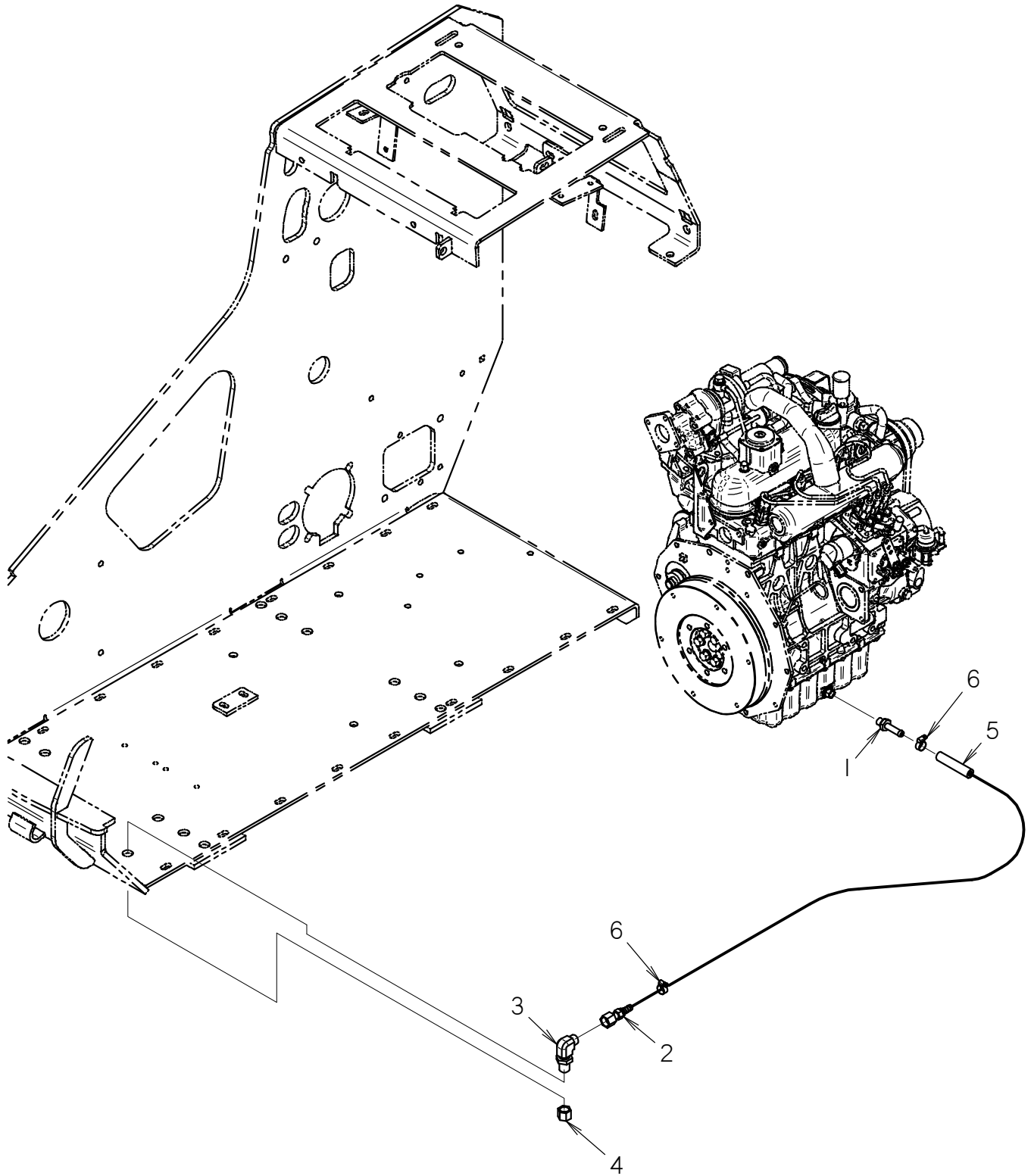
FOOTNOTES:

NOTE:

1. TORQUE SPECIFICATION FOR EXHAUST MANIFOLD BOLT IS 18 FT-LBS (25 N-M).

ENGINE OIL DRAIN

SK750 / SK755



ENGINE OIL DRAIN

SK750 / SK755

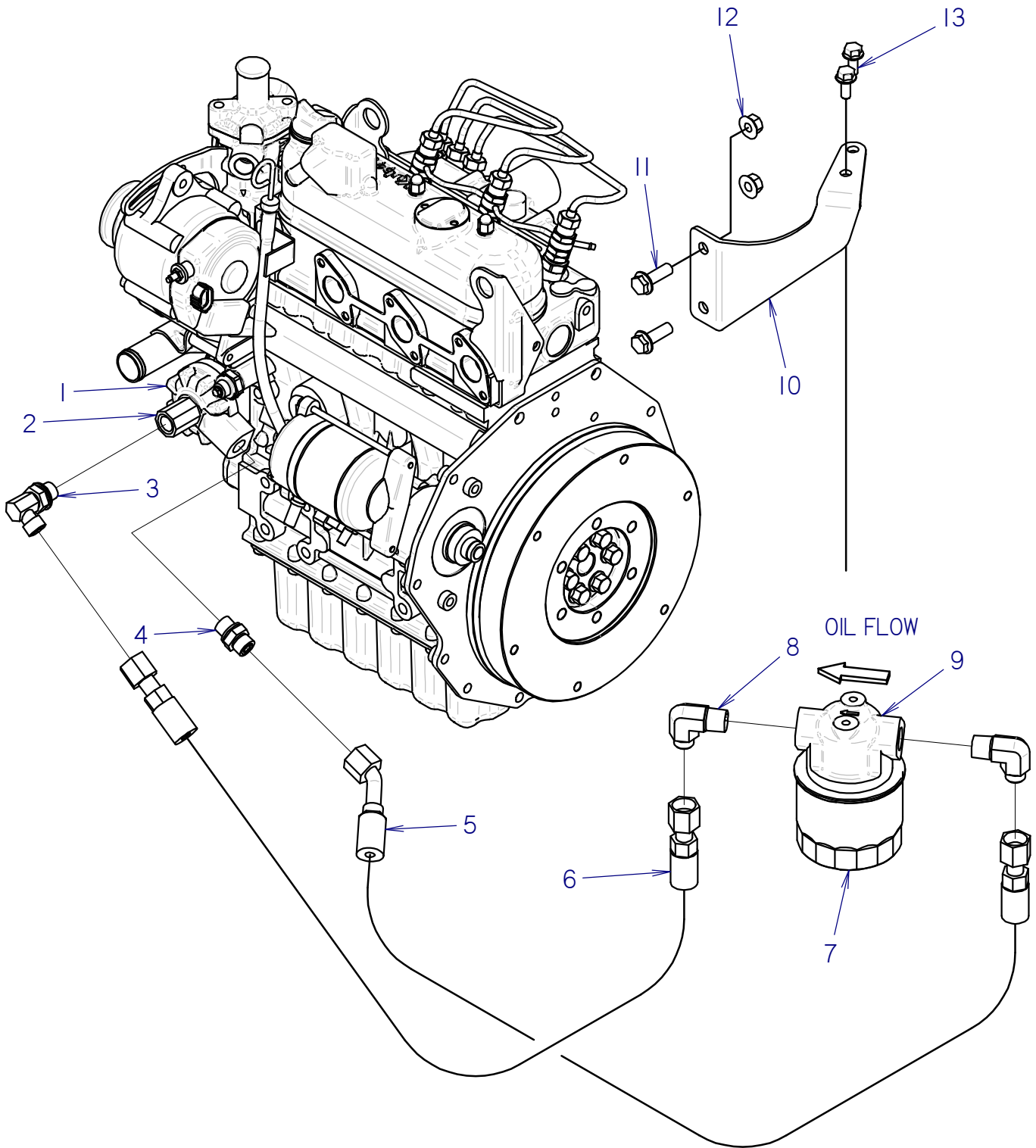
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 153-1007 | 1 | ADAPTER (M12-1.25 X 06H) | |
| 2 | 157-947 | 1 | FITTING (060-06H) | |
| 3 | 154-229 | 1 | BK CONNECTOR (060-06090BK) | |
| 4 | 154-326 | 1 | CAP (060F) | |
| 5 | 116-881 | 30 | BULK HOSE (3/8", SOLD PER FT) | |
| 6 | 110-249 | 2 | WORM CLAMP (1/4" TO 5/8") | |

NOT SHOWN:

FOOTNOTES:

NOTE:

ENGINE OIL FILTER



ENGINE OIL FILTER

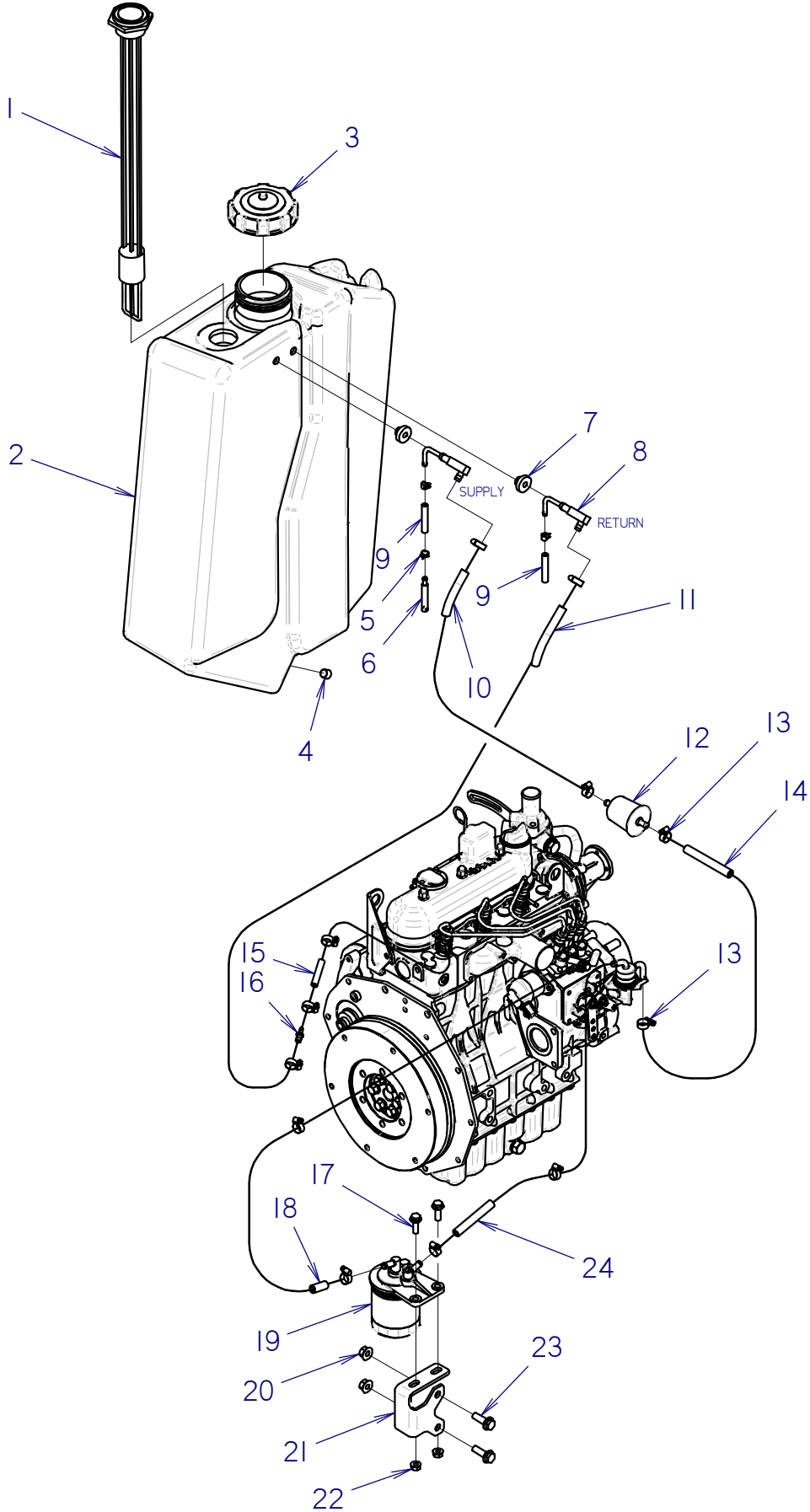
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------------|---------|
| 1 | 502-162 | 1 | BASE (OIL FILTER) | |
| 2 | 502-164 | 1 | PIPE JOINT | |
| 3 | 150-1935 | 1 | ELBOW (M16-1.50-060) | |
| 4 | 150-1936 | 1 | CONNECTOR (M16-1.50-060) | |
| 5 | 158-979 | 1 | HOSE (060FX45-43"-3000) | |
| 6 | 154-776 | 1 | HOSE (060FX-42"-3000) | |
| 7 | 194-881 | 1 | OIL FILTER | |
| 8 | 154-420 | 2 | CONNECTOR (08N-06090) | |
| 9 | 502-161 | 1 | REMOTE HEAD | |
| 10 | 300-6858 | 1 | FILTER MOUNT | |
| 11 | 106-164 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 12 | 106-387 | 2 | FLG LOCKNUT (M10-1.50) | |
| 13 | 106-162 | 2 | FLG SCREW (M8-1.25 X 20MM, GD8) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

FUEL TANK & FUEL LINES



FUEL TANK & FUEL LINES

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|-----------------------------|
| 1 | 364-730 | 1 | FUEL GAUGE | |
| 2 | 364-1009 | 1 | FUEL TANK, 10.5 GAL | |
| 3 | 362-1892 | 1 | DIESEL CAP | |
| 4 | 115-444 | 1 | PLUG (04N, SOC, SSI) | |
| 5 | 110-563 | 3 | SPRING CLAMP (3/8") | |
| 6 | 194-505 | 1 | FUEL PICKUP | |
| 7 | 116-325 | 2 | GROMMET (.362") | |
| 8 | 150-3378 | 2 | S/O COUPLER (04H90-05H90) | |
| 9 | 118-096 | 48 | BULK FUEL TUBING (1/4",PER FT) | USE 2 @ 24" EACH |
| 10 | 116-108 | 15 | BULK HOSE (5/16", SOLD PER 1") | |
| 11 | 116-108 | 35 | BULK HOSE (5/16", SOLD PER 1") | |
| 12 | 155-941 | 1 | FUEL FILTER (05H-05H. IN-LINE) | |
| 13 | 110-249 | 12 | WORM CLAMP (1/4" TO 5/8") | |
| 14 | 116-108 | 44 | BULK HOSE (5/16", SOLD PER 1") | |
| 15 | 116-866 | 4 | BULK HOSE (3/16",SOLD PER 1") | |
| 16 | 156-253 | 1 | S/O COUPLER (03H-05H) | |
| 17 | 106-381 | 2 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 18 | 116-108 | 34 | BULK HOSE (5/16", SOLD PER 1") | |
| 19 | 149-536 | 1 | FUEL FILTER | FUEL FILTER ELEMENT 194-386 |
| 20 | 106-387 | 2 | FLG LOCKNUT (M10-1.50) | |
| 21 | 300-6859 | 1 | FILTER MOUNT | |
| 22 | 106-386 | 2 | FLG LOCKNUT (M8-1.25) | |
| 23 | 106-164 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 24 | 116-108 | 21 | BULK HOSE (5/16", SOLD PER 1") | |

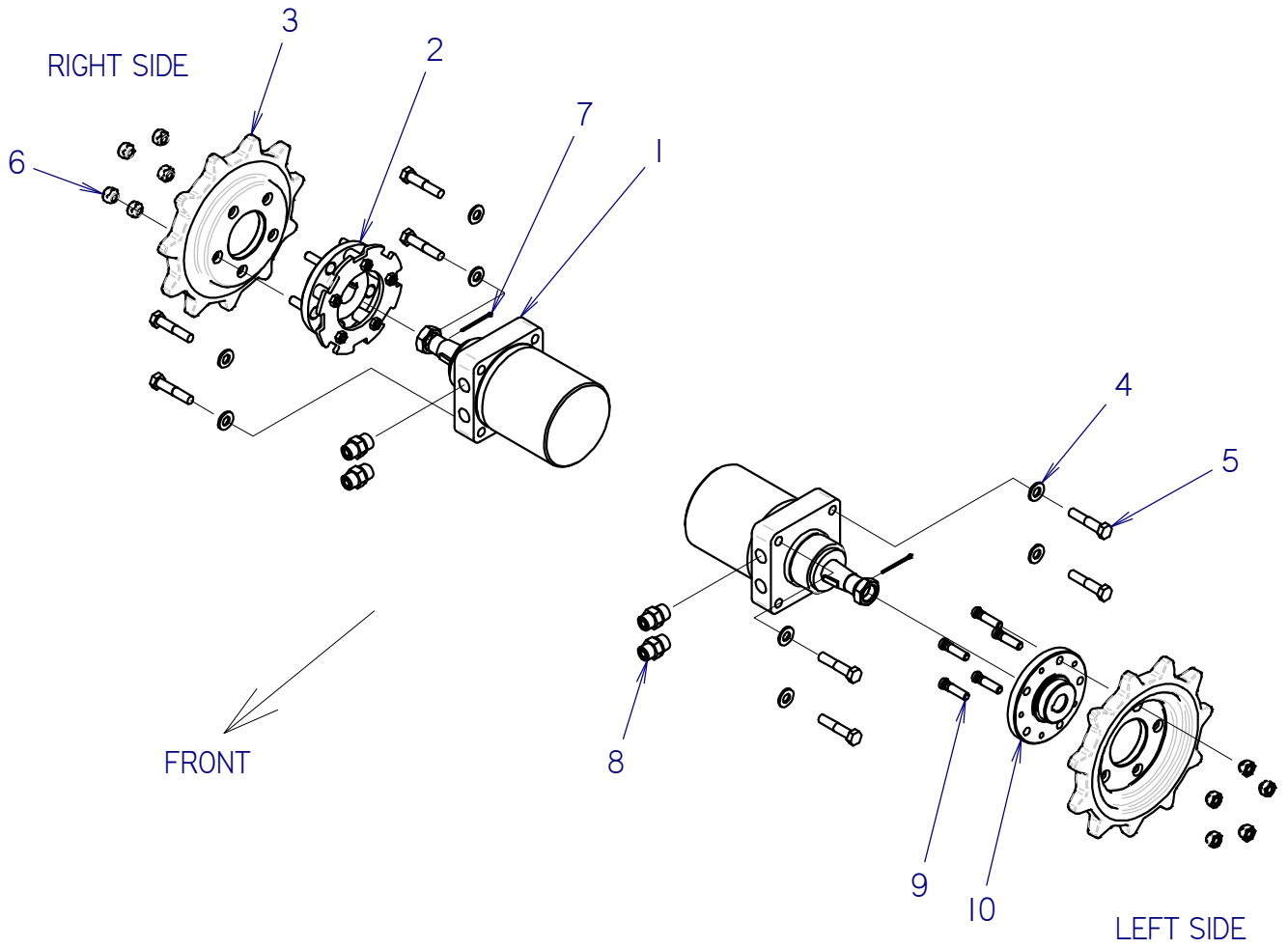
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FOOTNOTES:

NOTE:

POWER TRAIN

TRACK MOTORS AND SPROCKETS



TRACK MOTORS AND SPROCKETS

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 155-572 | 2 | HYD MTR (GEROLER) 20.6 CID | |
| 2 | 350-1995 | 1 | HUB W/ BRAKE ASM | |
| 3 | 140-1227 | 2 | SPROCKET, 11T, 72MM PITCH | |
| 4 | 106-743 | 8 | WASHER (.531", HARDENED) | |
| 5 | 106-708 | 8 | SCREW (M12-1.75 X 60MM, 10.9) | |
| 6 | 105-054 | 10 | LUG NUT (7/16-NF) | |
| 7 | 105-501 | 2 | COTTER PIN (1/25" X 2.0") | |
| 8 | 154-279 | 4 | CONNECTOR (080-10S) | |
| 9 | 107-048 | 5 | LUG BOLT (7/16-NF X 1-3/4") | |
| 10 | 300-4341 | 1 | HUB (MACHINED) | |

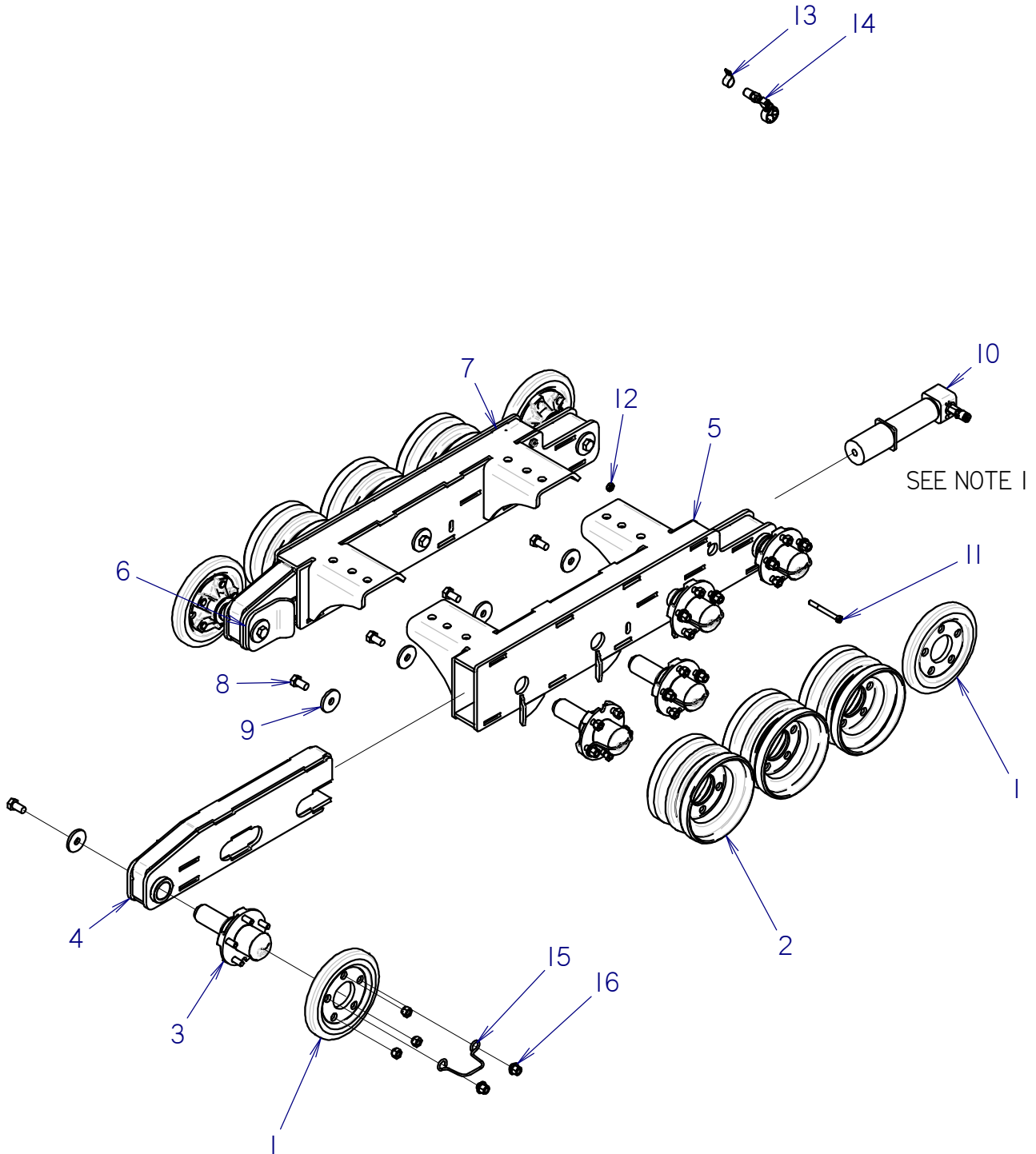
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FOOTNOTES:

NOTE:

TRACK ASSEMBLY

BEGINS WITH S/N:CMWSK750JF0001028; CMWSK755CF0001057; CMWSK850HF0000362



TRACK ASSEMBLY

BEGINS WITH S/N:CMWSK750JF0001028; CMWSK755CF0001057; CMWSK850HF0000362

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--|----------------------------------|
| 1 | 160-1300 | 4 | FORGED TRACK ROLLER | |
| 2 | 301-0833 | 6 | TRACK ROLLER | SUPERSEDES TRACK ROLLER 301-1795 |
| 3 | 205-1216 | 10 | HUB AND SPINDLE ASSEMBLY (CREASED CAP) | SEE FOOTNOTE 2 |
| 4 | 301-0825 | 1 | FRONT IDLER SUPPORT | |
| 5 | 301-0820 | 1 | LEFT TRACK FRAME | |
| 6 | 301-0830 | 1 | FRONT IDLER SUPPORT | |
| 7 | 301-0815 | 1 | RIGHT TRACK FRAME | |
| 8 | 106-338 | 10 | SCREW (M16-2.00 X 30MM) | USE LOCTITE 242 |
| 9 | 105-416 | 10 | WASHER (5/8") | |
| 10 | 150-4316 | 2 | GREASE CYLINDER (1.75" DIA X 3.50") | SEE FOOTNOTE 1 |
| 11 | 105-258 | 2 | BOLT (3/8-NC X 3-3/4") | |
| 12 | 105-287 | 2 | LOCKNUT (3/8 NC) | TORQUE TO 25 FT LBS |
| 13 | 110-373 | 1 | BOLT-ON CLAMP (13/16") | |
| 14 | 150-4328 | 1 | GAUGE ADAPTER ASSEMBLY | LOCATED UNDER REAR PANEL |
| 15 | 205-1213 | 10 | DUST CAP RETAINER | SEE FOOTNOTE 2 |
| 16 | 105-1602 | 20 | LUG NUT W/ FLANGE (1/2-20 UNF) | SEE FOOTNOTE 2 |

NOT SHOWN:

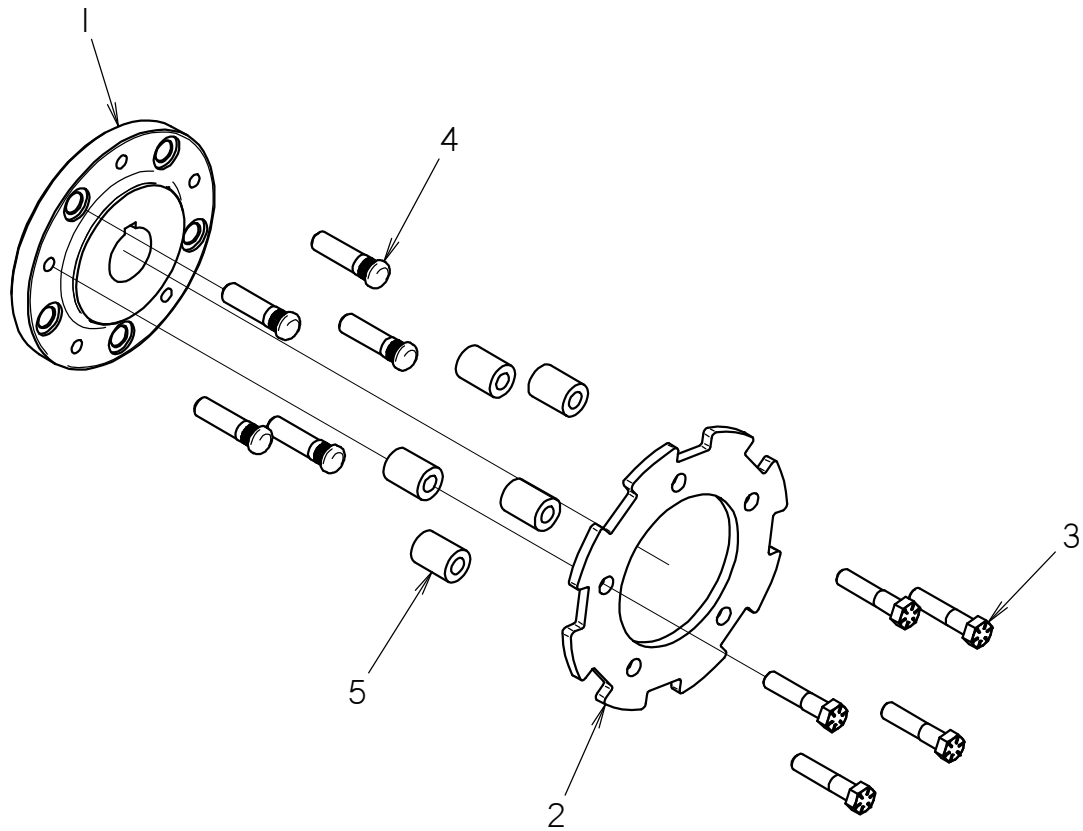
FOOTNOTES:

1. 150-1937 ENDS WITH S/N: CMWSK850LF0000361
2. HUB & SPINDLE ASSEMBLY 205-1216 SUPERSEDES 205-1183. HUB ASSEMBLY 205-1216 USES DUST CAP RETAINER 205-1213 & LUG NUT 105-1602.

NOTE:

1. TORQUE LUG NUTS 80-90 FT-LB.

HUB AND BRAKE ROTOR



HUB AND BRAKE ROTOR

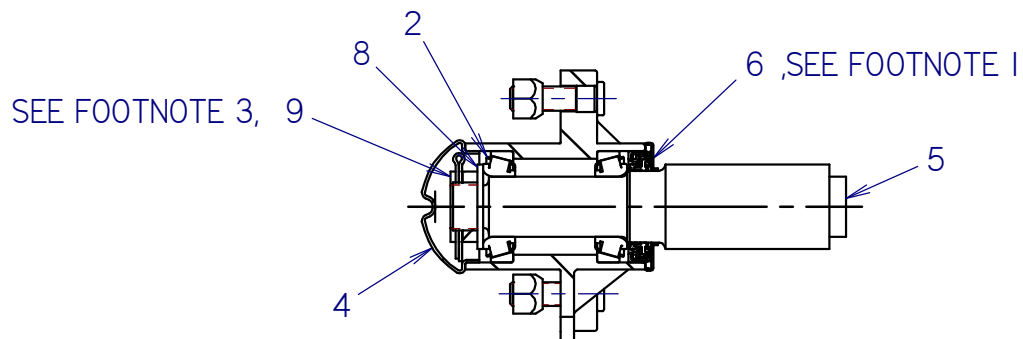
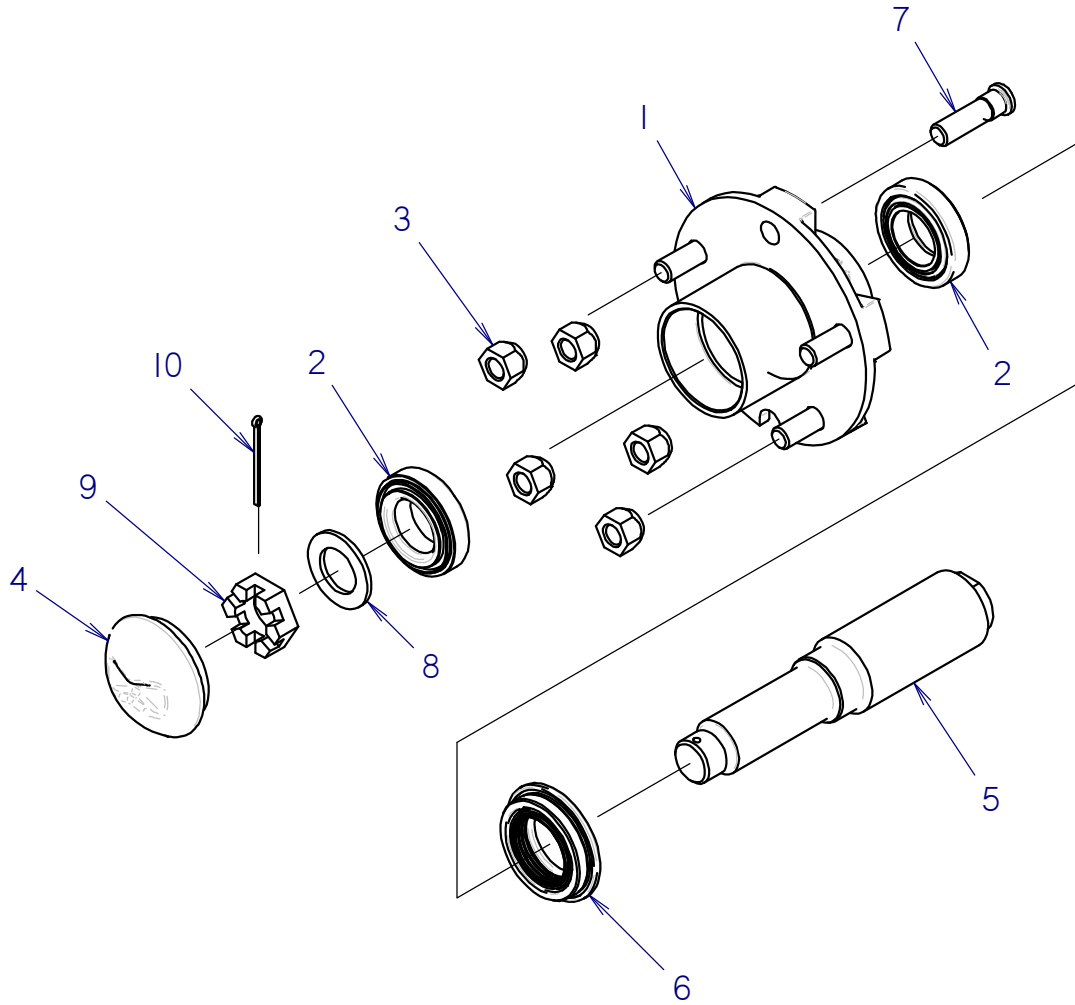
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-----------------------------|------------------------|
| | 350-1995 | - | HUB WITH BRAKE ASM | |
| 1 | 300-4341 | 1 | HUB (MACHINED) | |
| 2 | 300-7528 | 1 | BRAKE ROTOR | |
| 3 | 105-286 | 5 | BOLT (3/8-NC X 1-3/4") | USE LOCTITE 242 (BLUE) |
| 4 | 107-048 | 5 | LUG BOLT (7/16-NF X 1-3/4") | |
| 5 | 300-5985 | 5 | SPACER (.75 X .375 X 1.00) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

TRACK ROLLER HUB



TRACK ROLLER HUB

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--|---|
| | 205-1216 | | HUB AND SPINDLE ASSY (CREASED CAP) | INCLUDES REF 1-10; SUPERCEDES 205-1183 |
| 1 | 205-1215 | | HUB (5 X 4.5", 1.25" ID, CREASED CAP) | INCLUDES REF 1-4 & 7; SUPERCEDES 205-1172 |
| 2 | 125-1058 | 2 | TAPERED BEARING SET (1.250") | INCLUDES BEARING AND RACE |
| 3 | 105-114 | 5 | LUG NUT (1/2-NF) | SEE FOOTNOTE 4 |
| 4 | 205-1214 | 1 | DUST CAP W/ CREASE (2.323") | SEE FOOTNOTES 2 & 4 |
| 5 | 160-1051 | 1 | WHEEL SPINDLE | SUPERSEDES 301-0837 WHEEL SPINDLE |
| 6 | 105-1749 | 1 | OIL SEAL (1.500 X 2.328 X .631) W SHIELD | SEE FOOTNOTE 1 |
| 7 | 105-2196 | 5 | LUG BOLT (1/2-20 X 1-13/16) | |
| 8 | 106-016 | 1 | SPINDLE WASHER (1.062") | |
| 9 | 105-317 | 1 | CASTLE NUT (1-NF) | SEE FOOTNOTE 3 |
| 10 | 105-501 | 1 | COTTER PIN (1/25" X 2.0") | |

NOT SHOWN:

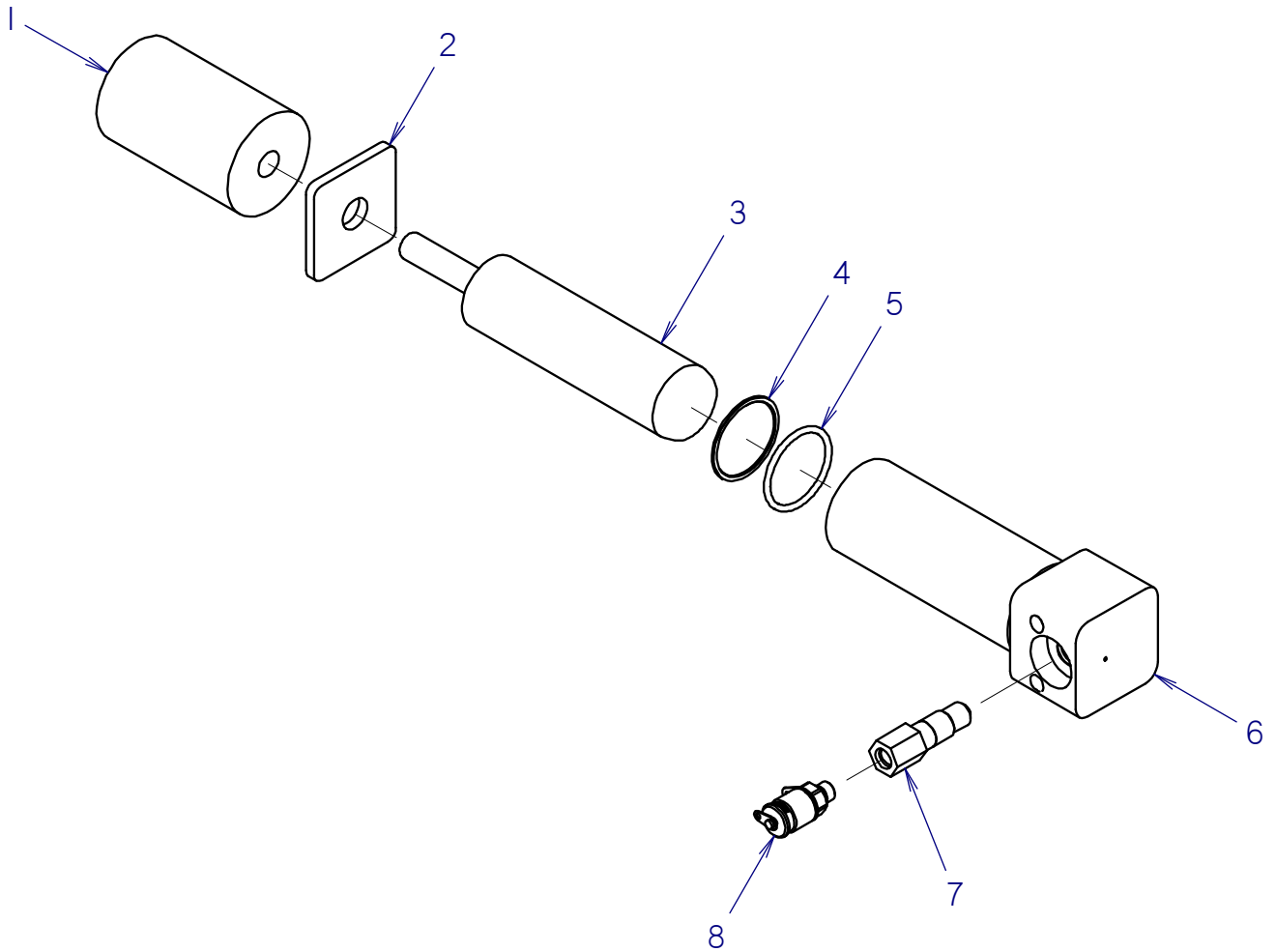
FOOTNOTES:

- OIL SEAL 105-1749 SUPERSEDES SEAL 105-1622, AND SPACER 105-1638 IS NO LONGER USED. THE SPACER HAS BEEN MADE OBSOLETE.
- MATING SURFACES OF REF 4 DUST CAP AND REF 2 HUB MUST BE CLEAN, DRY, AND FREE FROM GREASE OR OTHER LUBRICANTS PRIOR TO ASSEMBLY. APPLY LOCTITE 242 TO DUST CAPS. DRIVE CAP IN AS STRAIGHT AS POSSIBLE WITHOUT COCKING TO ONE SIDE OR THE OTHER.
- TIGHTEN REF 9 SPINDLE NUT 30-40 FT-LB (41-54 N-m) TO SEAT BEARINGS. LOOSEN SPINDLE NUT. TIGHTEN SPINDLE NUT BY HAND. IF A SLOT IN NUT ALIGNS WITH HOLE IN SPINDLE, INSTALL REF 10 COTTER PIN. IF HOLE IS VISIBLE IN SLOT, SLIGHTLY LOOSEN OR TIGHTEN NUT WITH WRENCH TO ALIGN SLOT WITH HOLE AND INSTALL COTTER PIN. IF NOT, LOOSEN TO NEXT AVAILABLE SLOT AND INSTALL COTTER PIN. AFTER ASSEMBLY, HUB END PLAY SHOULD NOT EXCEED .010" (.25MM).
- USE DUST CAP 205-1214 IN PLACE OF 205-1182. WHEN USING CAP 205-1214, USE RETAINER 205-1213 AND FLANGE LUG NUT 105-1602, WHICH ARE SHOWN ON PART PAGE ID0270368. NOTE THAT TWO OF THE 105-1602 LUG NUTS WILL REPLACE TWO OF THE 105-114 LUG NUTS ON EACH HUB.

NOTE:

GREASE CYLINDER

BEGINS WITH S/N: CMWSK850HF0000362



GREASE CYLINDER

BEGINS WITH S/N: CMWSK850HF0000362

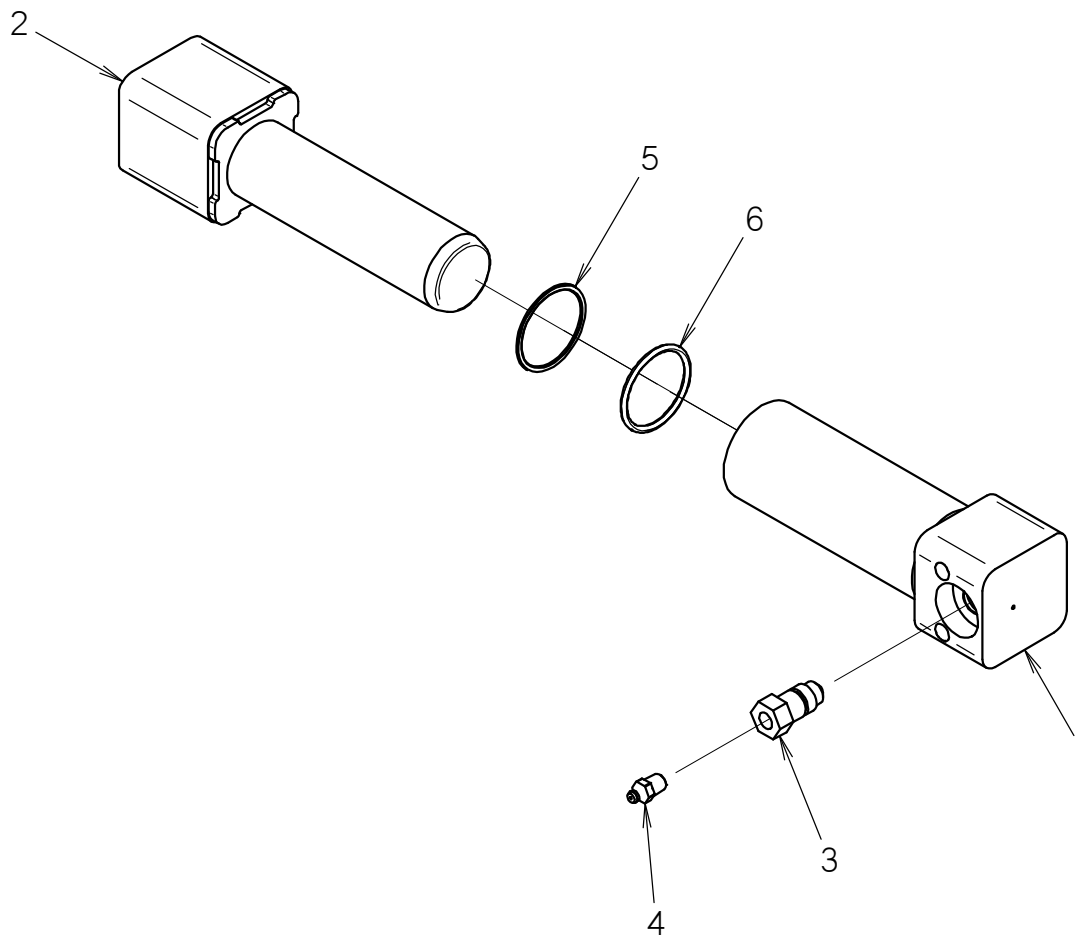
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------------|---------|
| | 150-4316 | - | GREASE CYLINDER (1.75" DIA X 3.50") | |
| 1 | 301-9232 | 1 | URETHANE SPRING | |
| 2 | 301-9233 | 1 | WASHER | |
| 3 | 150-4315 | 1 | CYLINDER ROD | |
| 4 | 155-732 | 1 | BACKUP RING (224 D90) | |
| 5 | 155-704 | 1 | O-RING (224 D70) | |
| 6 | 301-1516 | 1 | GREASE CYLINDER | |
| 7 | 301-9225 | 1 | ADAPTER FITTING | |
| 8 | 150-4313 | 1 | TEST COUPLING (1-04 SAEM) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

GREASE CYLINDER



GREASE CYLINDER

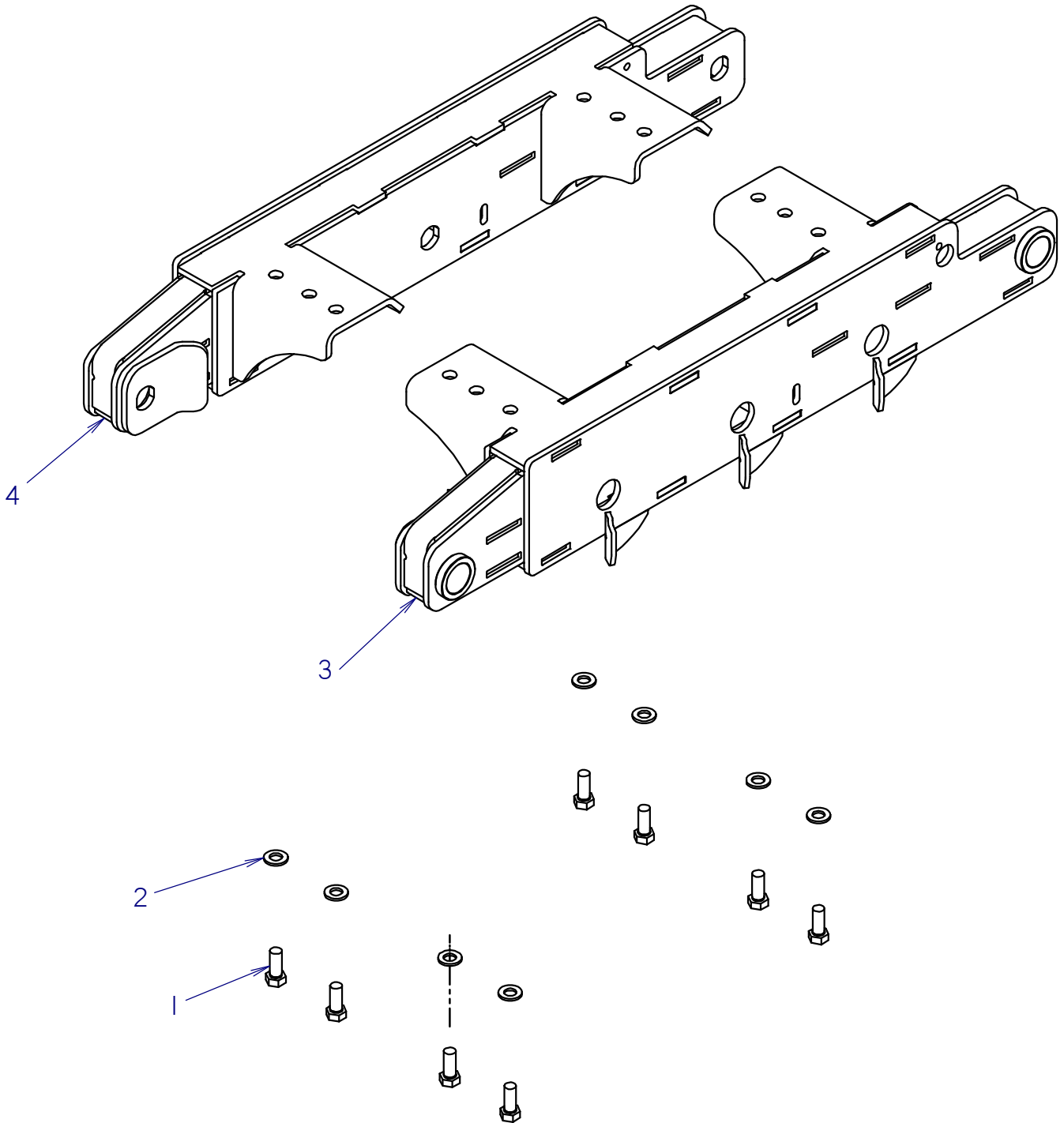
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|----------------------------|---------|
| 1 | 301-1516 | 1 | GREASE CYLINDER | |
| 2 | 301-1519 | 1 | CYLINDER ROD | |
| 3 | 159-093 | 1 | RELIEF VALVE (5/8-NF, 02N) | |
| 4 | 115-019 | 1 | ZERK (02N) | |
| 5 | 155-732 | 1 | BACKUP RING (224 D90) | |
| 6 | 155-704 | 1 | O-RING (224 D70) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

TRACK FRAME INSTALLATION



TRACK FRAME INSTALLATION

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 106-478 | 8 | SCREW (M16-2.00 X 40MM, 10.9) | |
| 2 | 106-398 | 8 | WASHER (M16, HARDENED) | |
| 3 | 350-4203 | 1 | LEFT TRACK FRAME / IDLER | |
| 4 | 350-4204 | 1 | RIGHT TRACK FRAME / IDLER | |

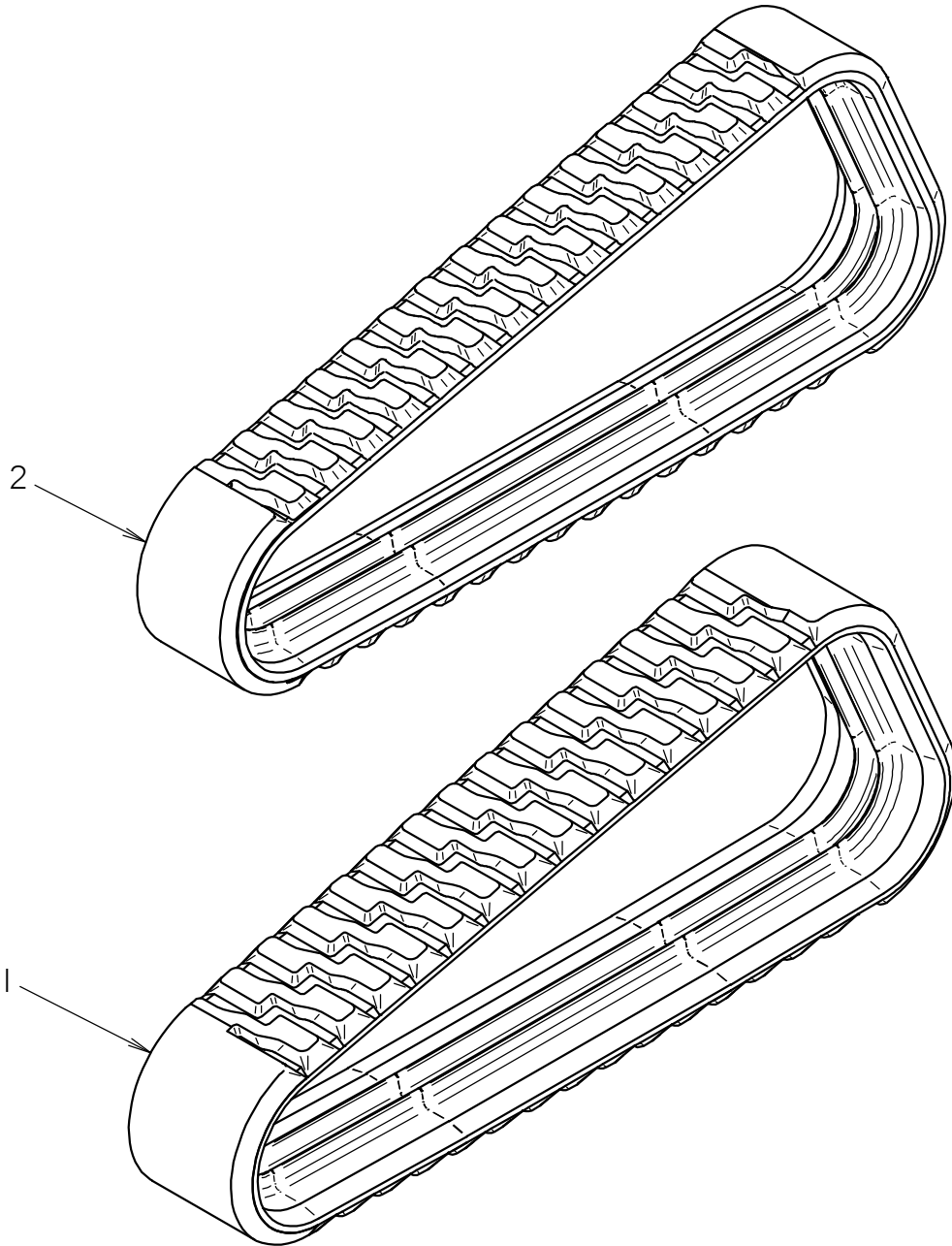
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FOOTNOTES:

NOTE:

RUBBER TRACK OPTIONS

SK750 / SK755



RUBBER TRACK OPTIONS

SK750 / SK755

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|------------------------------|--|
| 1 | 301-0842 | 2 | RUBBER TRACK (230x72x44, GP) | |
| 2 | 301-0976 | 2 | RUBBER TRACK (180x72x44, GP) | USE IN NARROW TRACK CONFIGURATION ONLY |

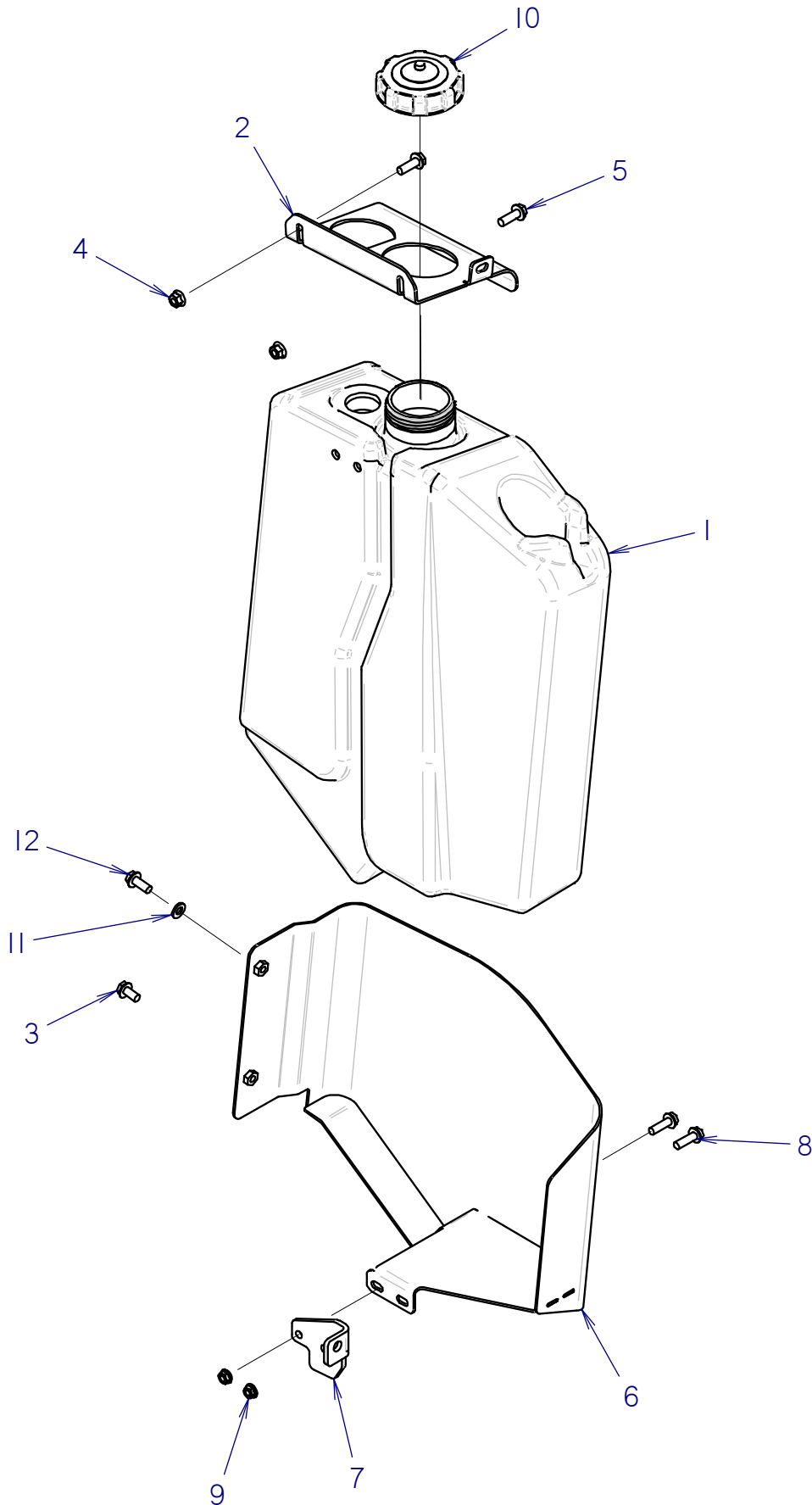
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FOOTNOTES:

NOTE:

FRAME COMPONENTS

FUEL TANK MOUNTING



FUEL TANK MOUNTING

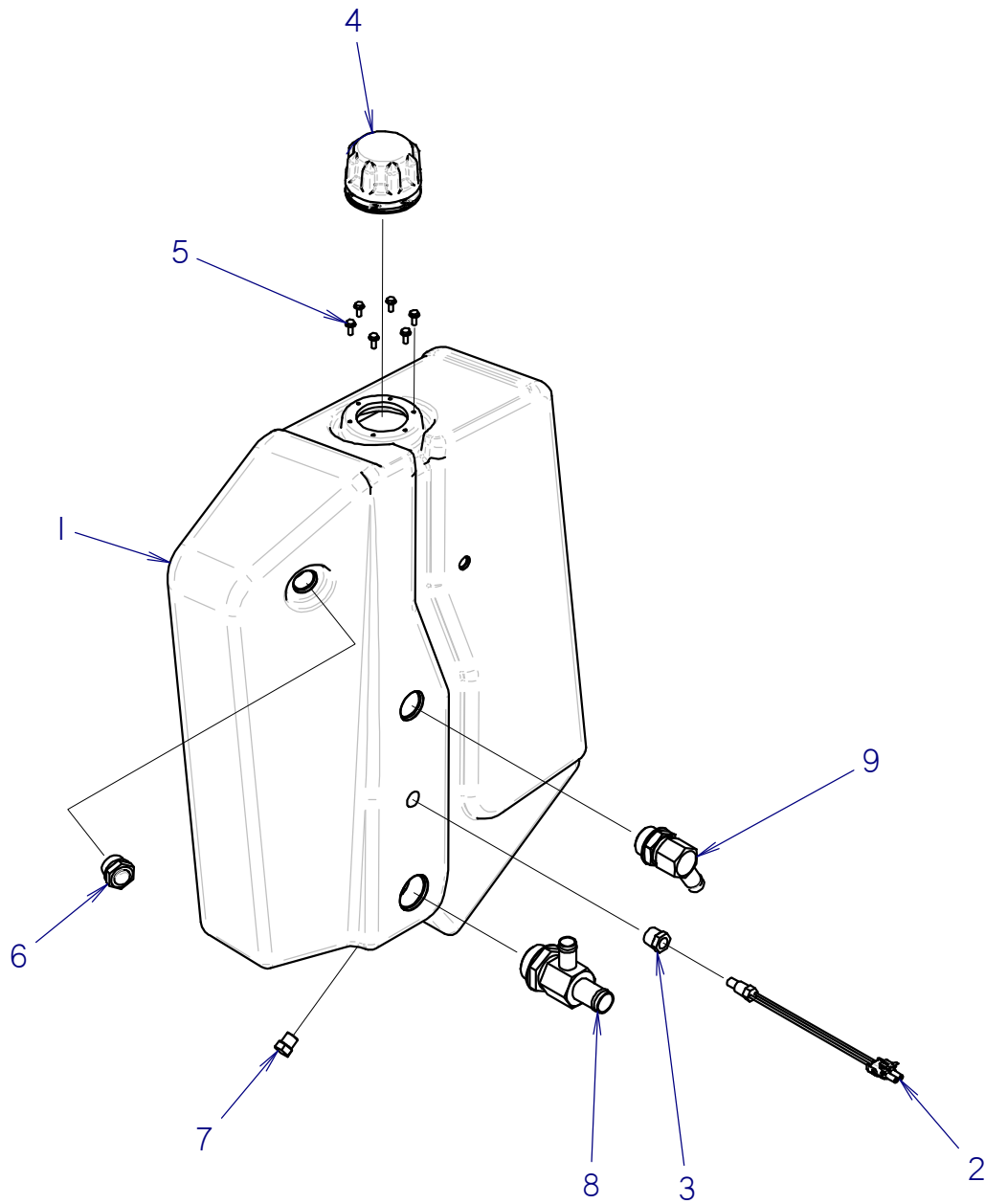
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 364-1009 | 1 | FUEL TANK, 10.5 GAL | |
| 2 | 301-2584 | 1 | RETAINER BRACKET | |
| 3 | 106-724 | 1 | FLG SCREW (M10-1.50 X 25MM) | |
| 4 | 106-387 | 2 | FLG LOCKNUT (M10-1.50) | |
| 5 | 106-383 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 6 | 301-6659 | 1 | RIGHT TANK SUPPORT | |
| 7 | 301-8468 | 1 | STOP PLATE | |
| 8 | 105-827 | 2 | FLG LK BOLT (3/8-NC X 1-1/4") | |
| 9 | 105-834 | 2 | FLG LOCKNUT (3/8-NC) | |
| 10 | 362-1892 | 1 | DIESEL CAP | |
| 11 | 106-396 | 1 | WASHER (M10, HARDENED) | |
| 12 | 106-382 | 1 | FLG LK SCREW (M10-1.50 X 20MM) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

HYDRAULIC TANK ASSEMBLY



HYDRAULIC TANK ASSEMBLY

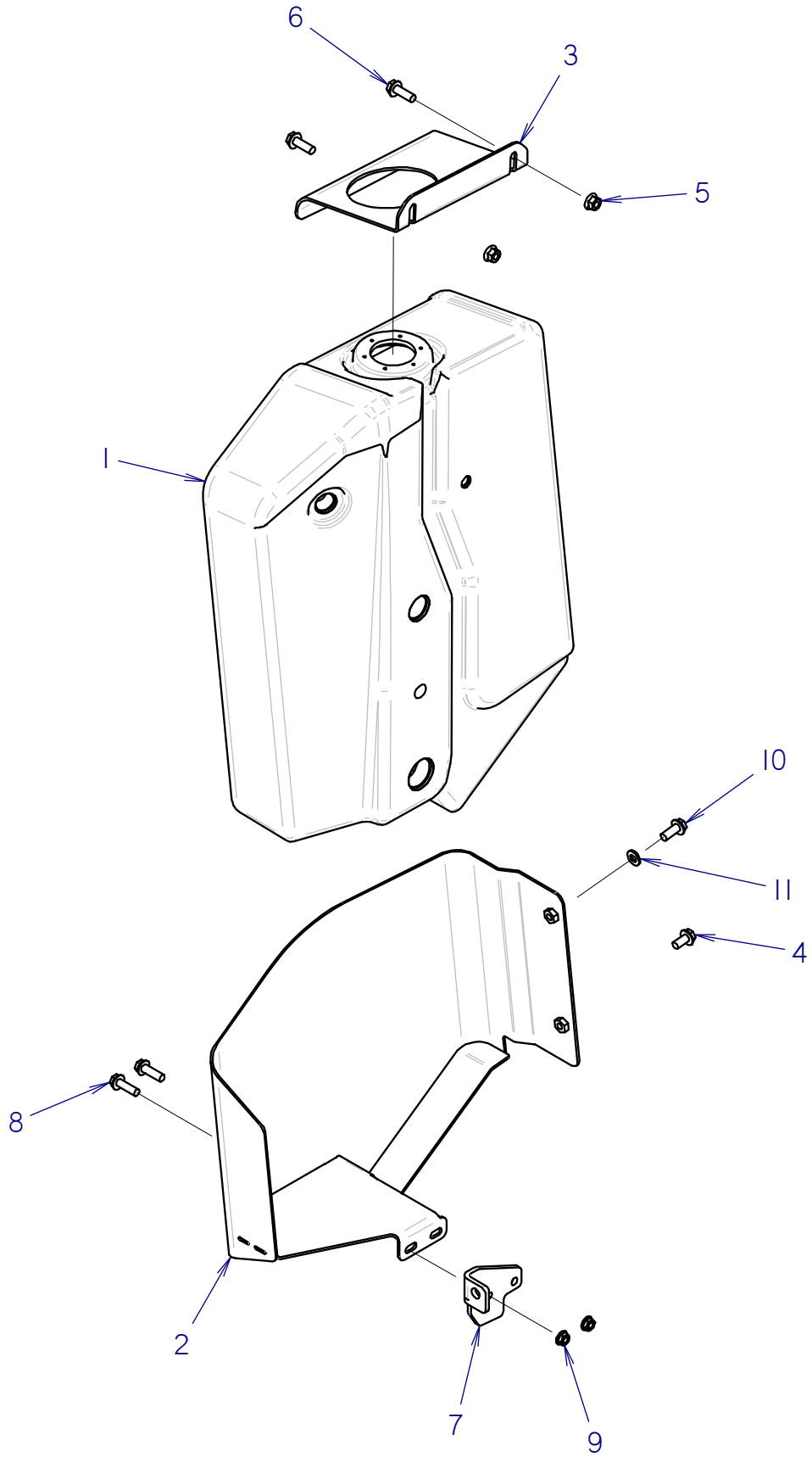
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------------|---------|
| 1 | 364-1011 | 1 | HYDRAULIC TANK | |
| 2 | 214-854 | 1 | TEMPERATURE SWITCH(1/4NPT,MALE) | |
| 3 | 115-286 | 1 | REDUCER (08N-1/4-NF) | |
| 4 | 150-2510 | 1 | BREATHER CAP 3 PSI | |
| 5 | 105-214 | 6 | FLG SCREW (#10-24 X .5") | |
| 6 | 121-040 | 1 | SIGHT GLASS | |
| 7 | 155-130 | 1 | PLUG (06S) | |
| 8 | 159-638 | 1 | S/O BR TEE (20S-16H-12H-06S) | |
| 9 | 155-183 | 1 | S/O COUPLER (16S-12H90) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

HYDRAULIC TANK MOUNTING



HYDRAULIC TANK MOUNTING

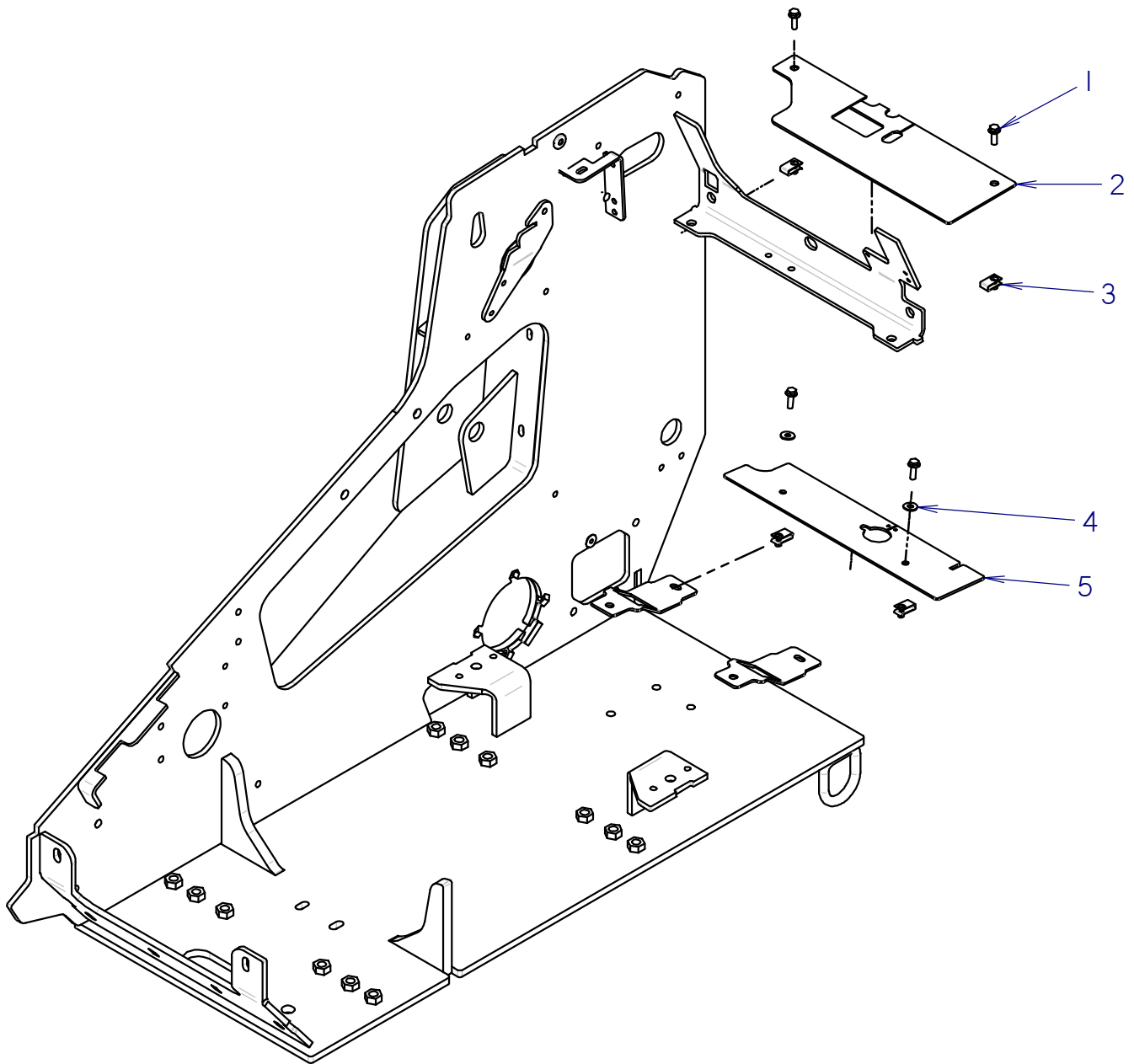
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 364-1011 | 1 | HYDRAULIC TANK | |
| 2 | 301-6664 | 1 | TANK SUPPORT LEFT | |
| 3 | 301-2585 | 1 | RETAINER BRACKET | |
| 4 | 106-382 | 1 | FLG LK SCREW (M10-1.50 X 20MM) | |
| 5 | 106-387 | 2 | FLG LOCKNUT (M10-1.50) | |
| 6 | 106-383 | 2 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 7 | 301-8279 | 1 | STOP PLATE | |
| 8 | 105-827 | 2 | FLG LK BOLT (3/8-NC X 1-1/4") | |
| 9 | 105-834 | 2 | FLG LOCKNUT (3/8-NC) | |
| 10 | 106-724 | 1 | FLG SCREW (M10-1.50 X 25MM) | |
| 11 | 106-396 | 1 | WASHER (M10, HARDENED) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

ENGINE COMPARTMENT FLAPS



ENGINE COMPARTMENT FLAPS

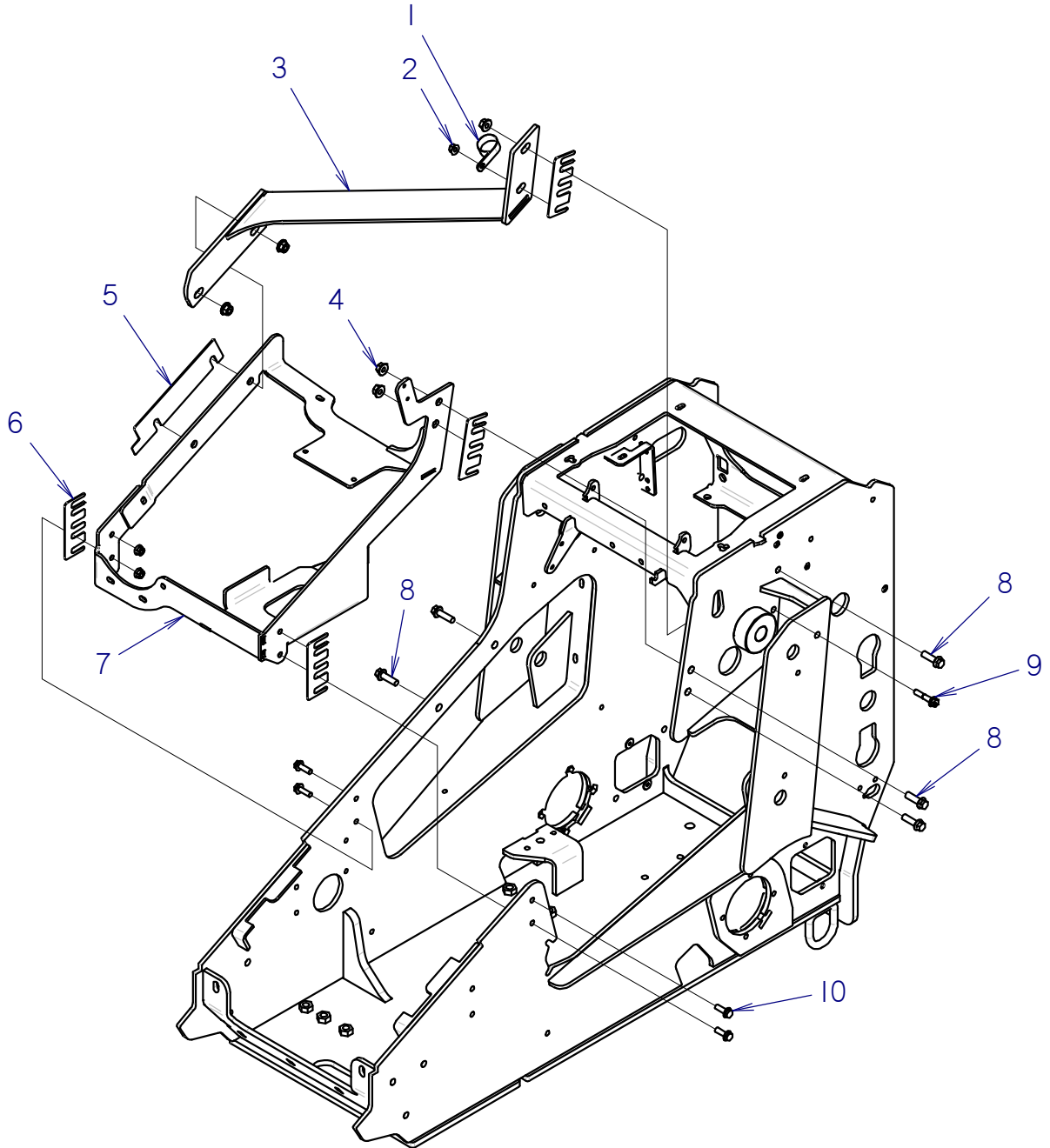
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 106-381 | 4 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 2 | 362-1895 | 1 | RUBBER FLAP | |
| 3 | 107-687 | 4 | CLIP NUT M8-1.25, LONG, WIDE | |
| 4 | 105-117 | 2 | WASHER (5/16") | |
| 5 | 301-6896 | 1 | RUBBER FLAP LOWER | |

NOT SHOWN:

FOOTNOTES:

NOTE:

BRACKETS & BRACES



BRACKETS & BRACES

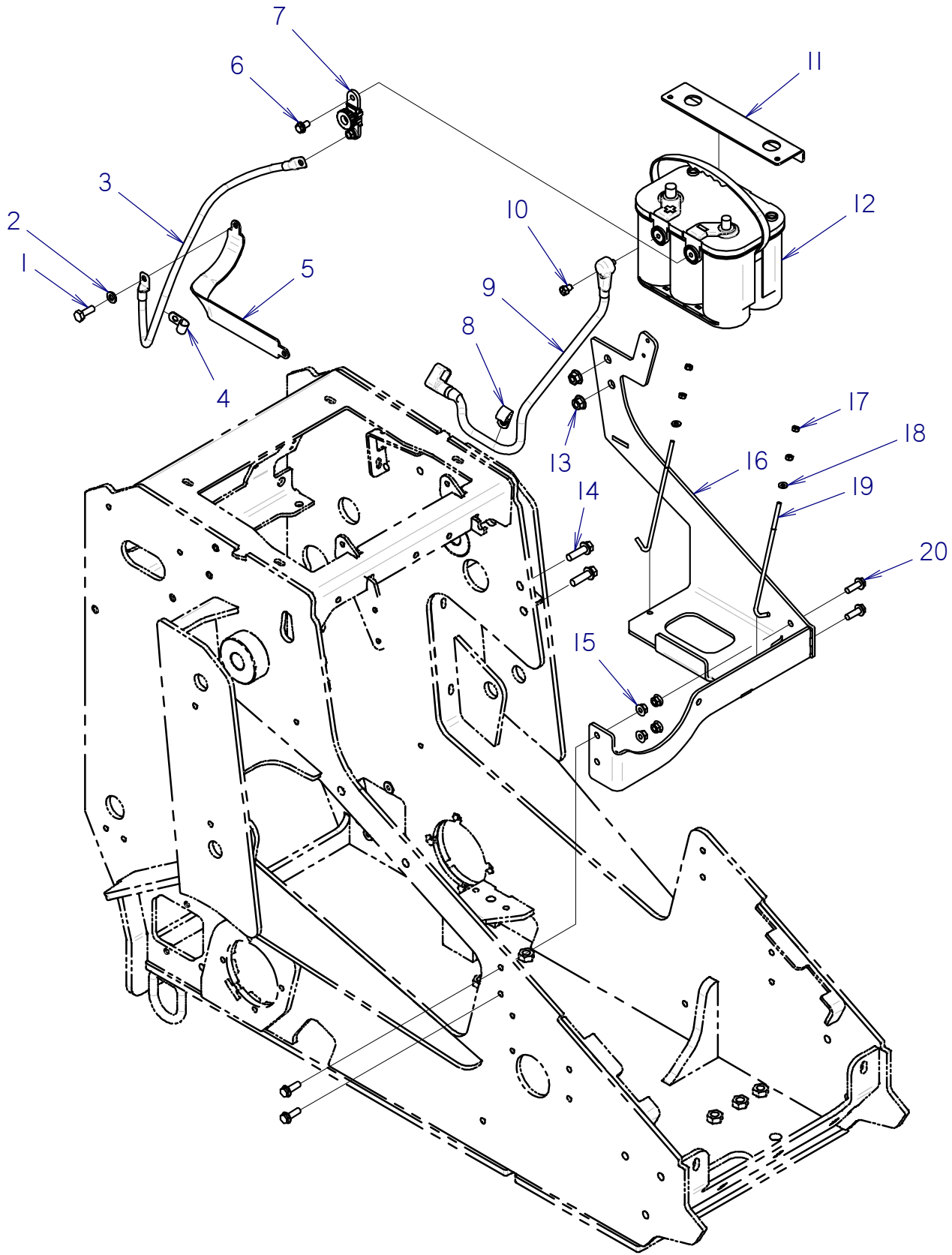
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------------|---------------|
| 1 | 110-332 | 1 | BOLT-ON CLAMP (1-5/8") | |
| 2 | 106-387 | 3 | FLG LOCKNUT (M10-1.50) | |
| 3 | 301-9773 | 1 | CROSS BRACE WELDMENT | |
| 4 | 106-709 | 5 | FLG LK NUT (M12-1.75) | |
| 5 | 302-2421 | 1 | SHIM | USE AS NEEDED |
| 6 | 302-2422 | 0 | SHIM | USE AS NEEDED |
| 7 | 300-8729 | 1 | BATTERY BASE WELDMENT | |
| 8 | 107-565 | 5 | FLG LK SCREW (M12-1.75 X 40MM) | |
| 9 | 105-1980 | 1 | FLG SCREW (M10-1.50 X 50MM) 10.9 ZP | |
| 10 | 106-164 | 4 | FLG LK SCREW (M10-1.50 X 30MM) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

BATTERY BASE AND CABLES



BATTERY BASE AND CABLES

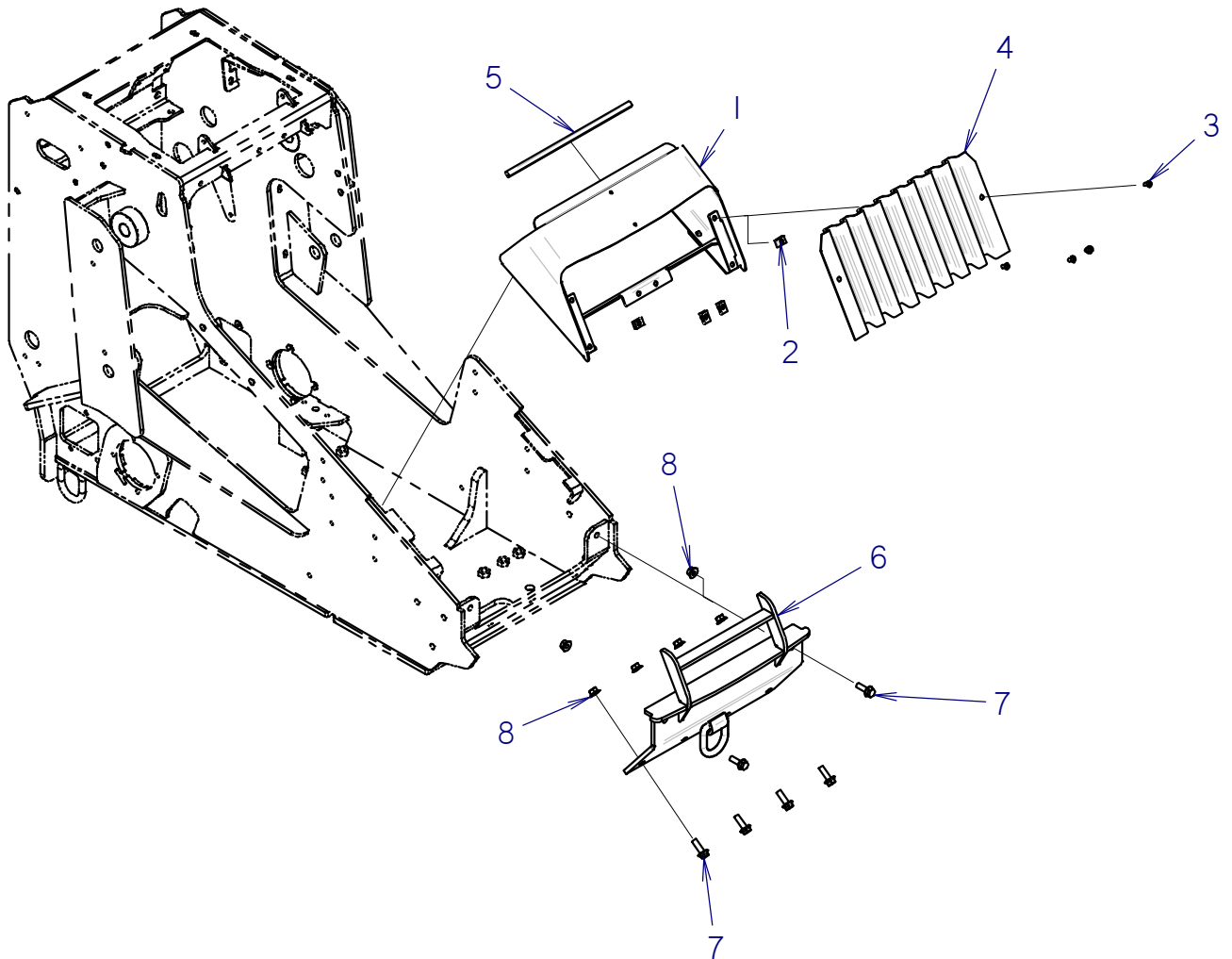
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|------------------------------------|---------|
| 1 | 105-1265 | 1 | SCREW (M10-1.25 X 30MM, 10.9) | |
| 2 | 106-396 | 1 | WASHER (M10, HARDENED) | |
| 3 | 215-2093 | 1 | GRD CABLE 1GA X 24", (BLK) | |
| 4 | 110-259 | 1 | BOLT-ON CLAMP (625") | |
| 5 | 215-1626 | 1 | BATTERY GROUND STRAP | |
| 6 | 501-153 | 1 | FLG LK BOLT (3/8-NC X 5/8") | |
| 7 | 217-874 | 1 | BATTERY DISCONNECT | |
| 8 | 110-333 | 1 | BOLT-ON CLAMP (1") | |
| 9 | 215-0067 | 1 | POS BATT CABLE 1GA X 26", (RED)ISM | |
| 10 | 105-181 | 1 | BOLT (3/8-NC X 1/2") | |
| 11 | 301-6883 | 1 | BATTERY HOLD DOWN | |
| 12 | 215-1165 | 1 | OPTIMA BATTERY | |
| 13 | 106-709 | 2 | FLG LK NUT (M12-1.75) | |
| 14 | 107-565 | 2 | FLG LK SCREW (M12-1.75 X 40MM) | |
| 15 | 106-387 | 4 | FLG LOCKNUT (M10-1.50) | |
| 16 | 300-8729 | 1 | BATTERY BASE WELDMENT | |
| 17 | 105-078 | 4 | NUT (1/4-NC) | |
| 18 | 106-076 | 2 | WASHER (1/4") | |
| 19 | 300-4334 | 2 | J-HOOK (PLATED) | |
| 20 | 106-164 | 4 | FLG LK SCREW (M10-1.50 X 30MM) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

GRILLE



GRILLE

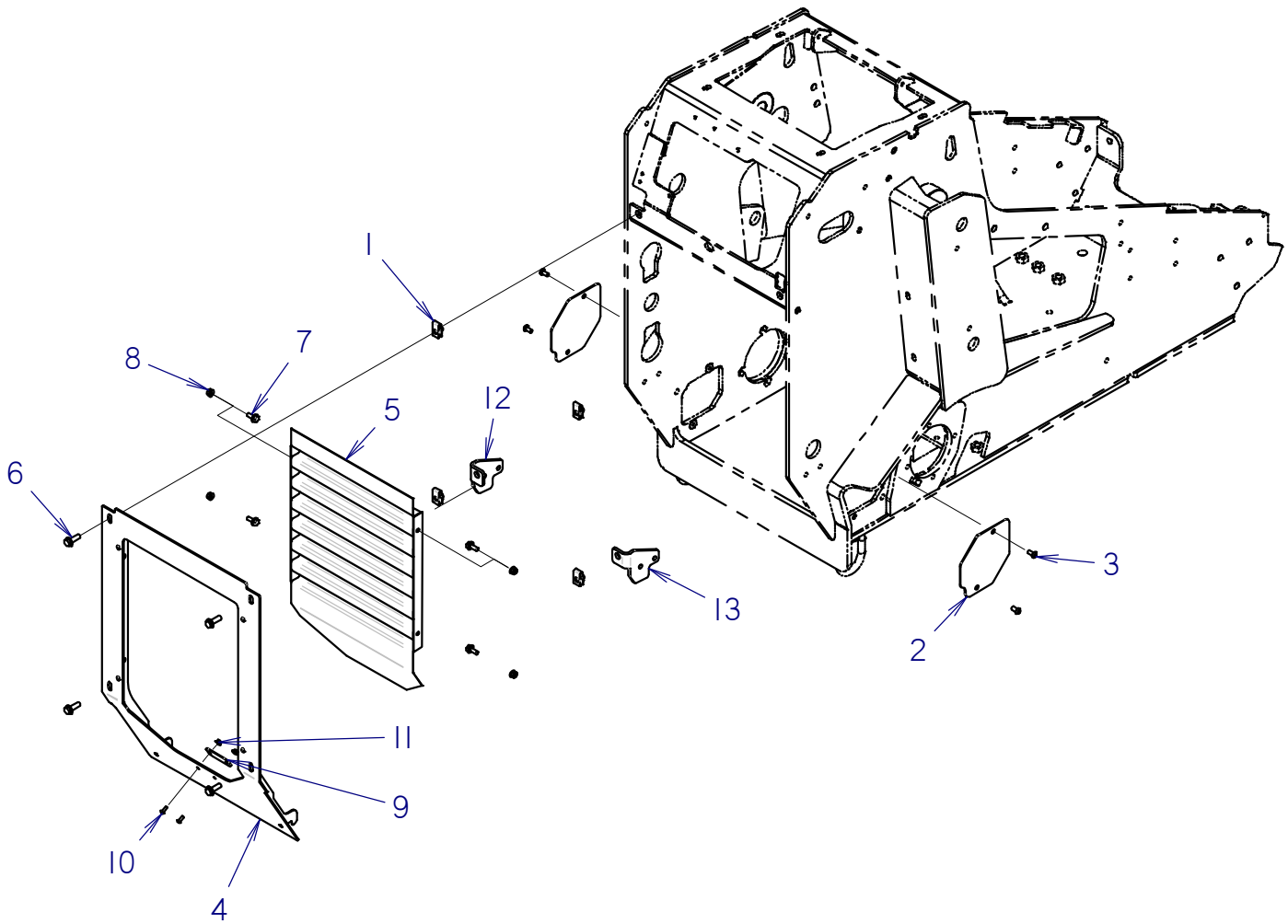
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 301-6864 | 1 | NOSE PIECE | |
| 2 | 106-551 | 4 | CLIP NUT (M8-1.25) | |
| 3 | 105-1979 | 4 | BOLT (M8-1.25 X 16MM,BUT SOC) | |
| 4 | 195-1757 | 1 | PERFORATED GRILL | |
| 5 | 115-686 | 16 | BULK EDGE (5/32",SOLD PER 1") | |
| 6 | 301-6695 | 1 | GRILLE | |
| 7 | 106-632 | 6 | FLG LK SCR (M12-1.75X35MM,SER) | |
| 8 | 106-709 | 6 | FLG LK NUT (M12-1.75) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

REAR AND SIDE COVERS



REAR AND SIDE COVERS

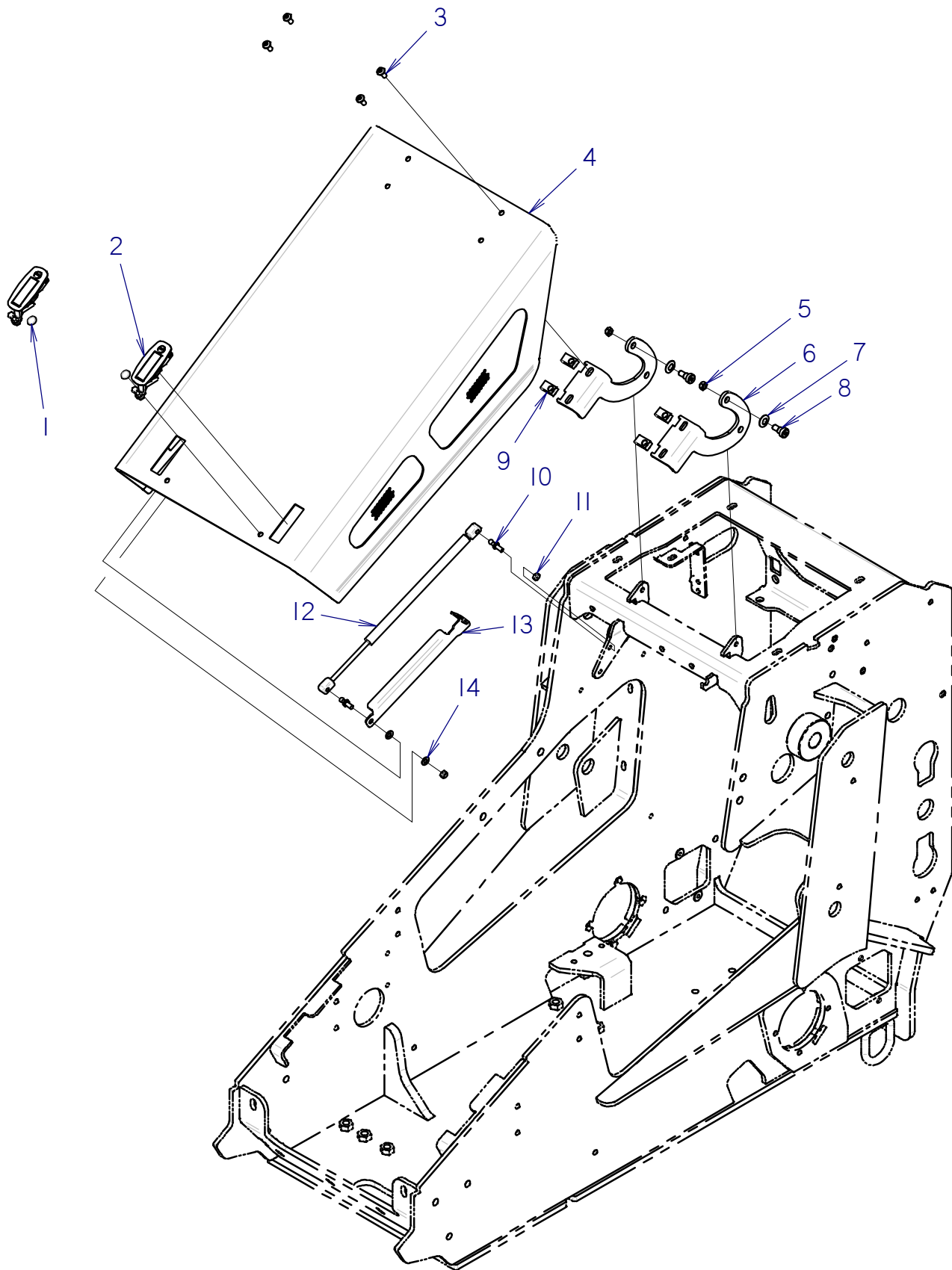
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 106-558 | 4 | CLIP NUT (M10-1.50) | |
| 2 | 301-0927 | 2 | COVER | |
| 3 | 106-774 | 4 | BOLT (M8-1.25 X 16MM,BUT SOC) | |
| 4 | 301-6894 | 1 | BACK COVER | |
| 5 | 301-3082 | 1 | GRILLE | |
| 6 | 106-383 | 4 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 7 | 106-991 | 4 | FLG LK SCREW (M8-1.25 X 20MM) | |
| 8 | 106-386 | 4 | FLG LOCKNUT (M8-1.25) | |
| 9 | 322-362 | 1 | BACKUP SPACER | |
| 10 | 105-1577 | 2 | SCREW (M6-1.00 X 14MM,BUT SOC) | |
| 11 | 106-385 | 2 | FLG LOCKNUT (M6-1.00) | |
| 12 | 301-8279 | 1 | STOP PLATE | |
| 13 | 301-8468 | 1 | STOP PLATE | |

NOT SHOWN:

FOOTNOTES:

NOTE:

HOOD



HOOD

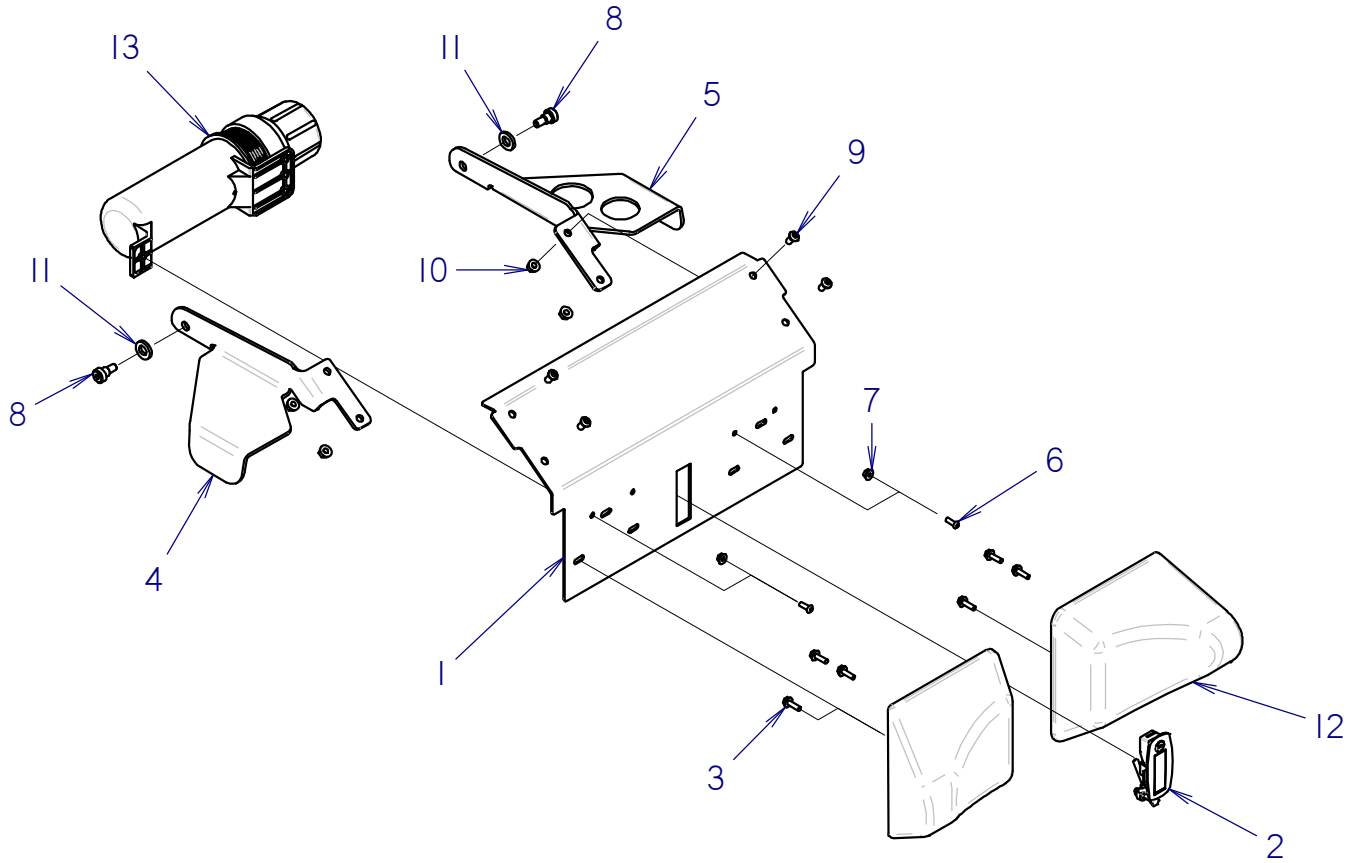
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 111-110 | 2 | PLUG (3/8) | |
| 2 | 117-558 | 2 | LATCH, ADJUST LEVER (LOCKING) | |
| 3 | 106-767 | 4 | SCREW (M8-1.25 X 20mm,BUT SOC) | |
| 4 | 300-6843 | 1 | SK HOOD | |
| 5 | 105-047 | 2 | LOCKNUT (3/8-NC) | |
| 6 | 301-2433 | 2 | HINGE PLATE | |
| 7 | 105-058 | 2 | BELLEVILLE WASHER (1/2") | |
| 8 | 106-070 | 2 | SHLD BLT (1/2" X 3/8", 3/8-NC) | |
| 9 | 107-687 | 4 | CLIP NUT M8-1.25, LONG, WIDE | |
| 10 | 110-655 | 2 | BALL SCREW (5/16-NC X 1/2") | |
| 11 | 105-089 | 2 | LOCKNUT (5/16-NC) | |
| 12 | 105-1078 | 1 | STRUT | |
| 13 | 301-7650 | 1 | STRUT STOP | |
| 14 | 105-226 | 2 | WASHER (5/16") | |

NOT SHOWN:

FOOTNOTES:

NOTE:

REAR ACCESS COVER & MANUAL COMPARTMENT



REAR ACCESS COVER & MANUAL COMPARTMENT

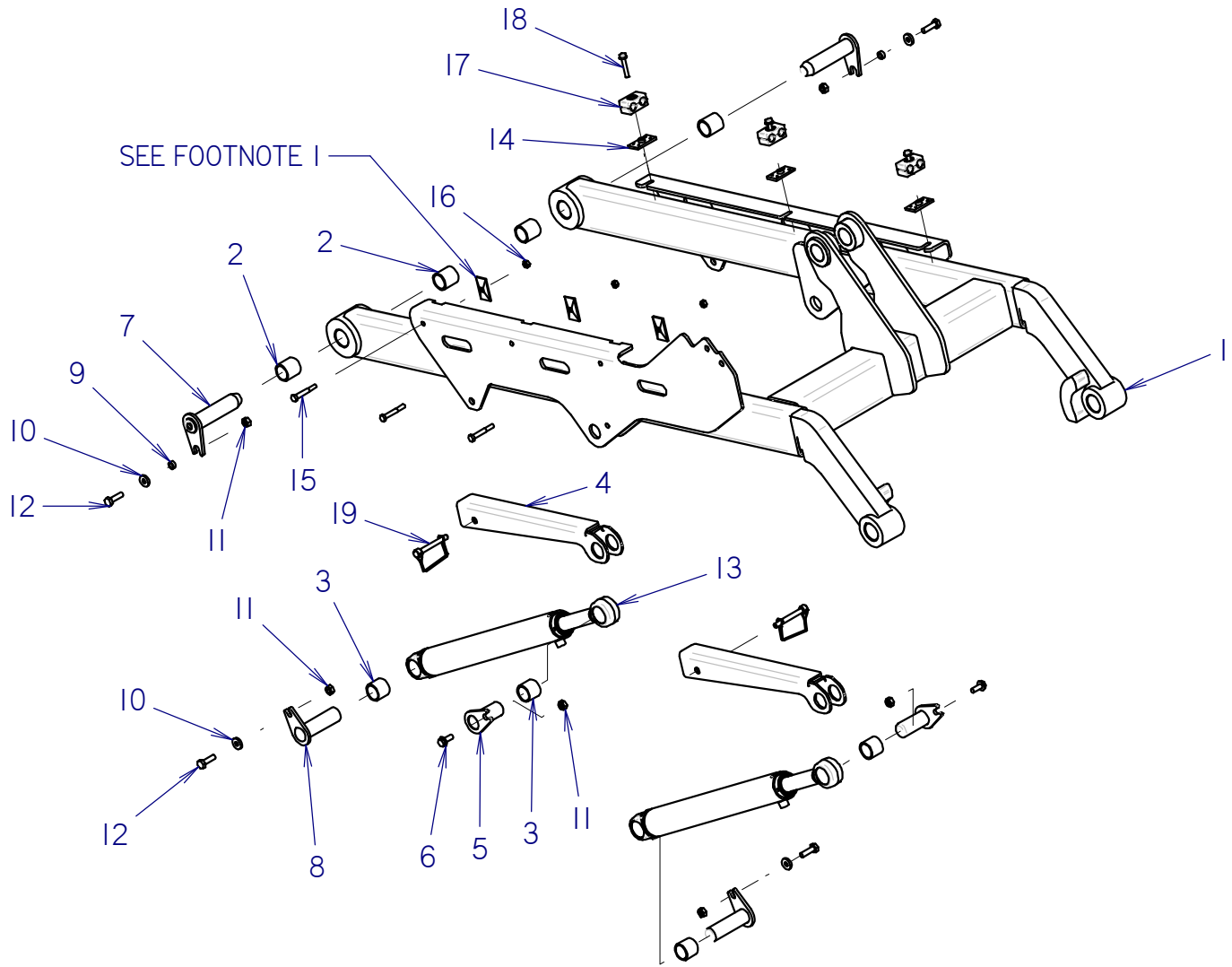
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 301-4984 | 1 | REAR PANEL | |
| 2 | 117-558 | 1 | LATCH, ADJUST LEVER (LOCKING) | |
| 3 | 106-379 | 6 | FLG LK SCREW (M6-1.00 X 20MM) | |
| 4 | 301-4982 | 1 | HINGE COVER | |
| 5 | 301-4983 | 1 | HINGE COVER | |
| 6 | 107-193 | 2 | SCREW (M6-1.00 X 16MM,BUT SOC) | |
| 7 | 106-385 | 2 | FLG LOCKNUT (M6-1.00) | |
| 8 | 106-070 | 2 | SHLD BLT (1/2" X 3/8", 3/8-NC) | |
| 9 | 105-1979 | 4 | BOLT (M8-1.25 X 16MM,BUT SOC) | |
| 10 | 106-386 | 4 | FLG LOCKNUT (M8-1.25) | |
| 11 | 106-397 | 2 | WASHER (M12, HARDENED) | |
| 12 | 362-1620 | 2 | CUSHION | |
| 13 | 250-063 | 1 | MANUAL COMPARTMENT | |

NOT SHOWN:

FOOTNOTES:

NOTE:

LIFT ARM MOUNTING



LIFT ARM MOUNTING

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------------|---------|
| 1 | 301-6674 | 1 | LOADER ARM | |
| 2 | 125-1094 | 4 | COMPOSITION BUSHING (1.25") | |
| 3 | 125-1000 | 4 | COMPOSITION BUSHING (1.25") | |
| 4 | 301-6677 | 2 | LIFT STOP | |
| 5 | 301-6681 | 2 | TAB PIN (1.25" X 2.75") | |
| 6 | 105-799 | 2 | FLG LK SCREW (M10-1.50 X 25MM) | |
| 7 | 301-6683 | 2 | TAB PIN (1.25 X 5.25) | |
| 8 | 300-3496 | 2 | TAB PIN (1.25 X 4.0) | |
| 9 | 184-888 | 2 | SPACER | |
| 10 | 105-264 | 4 | WASHER (3/8") | |
| 11 | 105-894 | 6 | LOCKNUT(M10-1.50,PRV TRQ,10.9) | |
| 12 | 105-876 | 4 | SCREW (M10-1.50 X 35MM) | |
| 13 | 151-091 | 2 | CYL (2.0 X 1.25 X 16.0) | |
| 14 | 323-551 | 3 | WELD PLATE (SP2D) | |
| 15 | 106-570 | 3 | SCREW (M8-1.25 X 60MM) | |
| 16 | 106-561 | 3 | LOCKNUT (M8-1.25,PRV TRQ,10.9) | |
| 17 | 111-146 | 3 | BOLT ON CLAMP (5/8" X 5/8" SET) | |
| 18 | 105-824 | 3 | FLG LK BOLT (5/16-NC X 1.75") | |
| 19 | 110-833 | 2 | SNAPPER PIN (3/8" X 2-3/4") | |

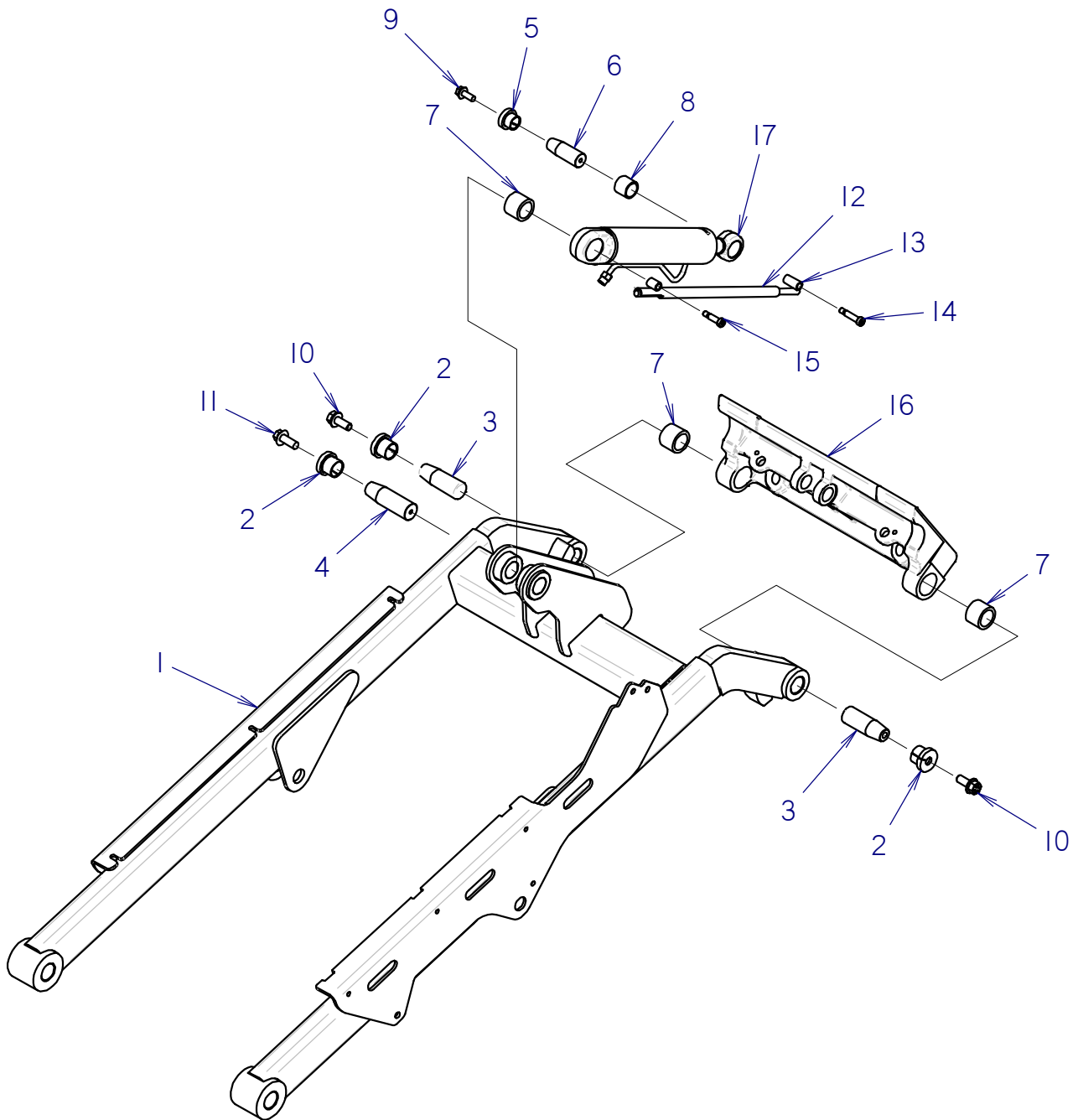
NOT SHOWN:

FOOTNOTES:

1. USE CLAMP PLATES FROM 111-146 BOLT ON CLAMP (5/8" X 5/8" SET)

NOTE:

ATTACHMENT PLATE MOUNTING



ATTACHMENT PLATE MOUNTING

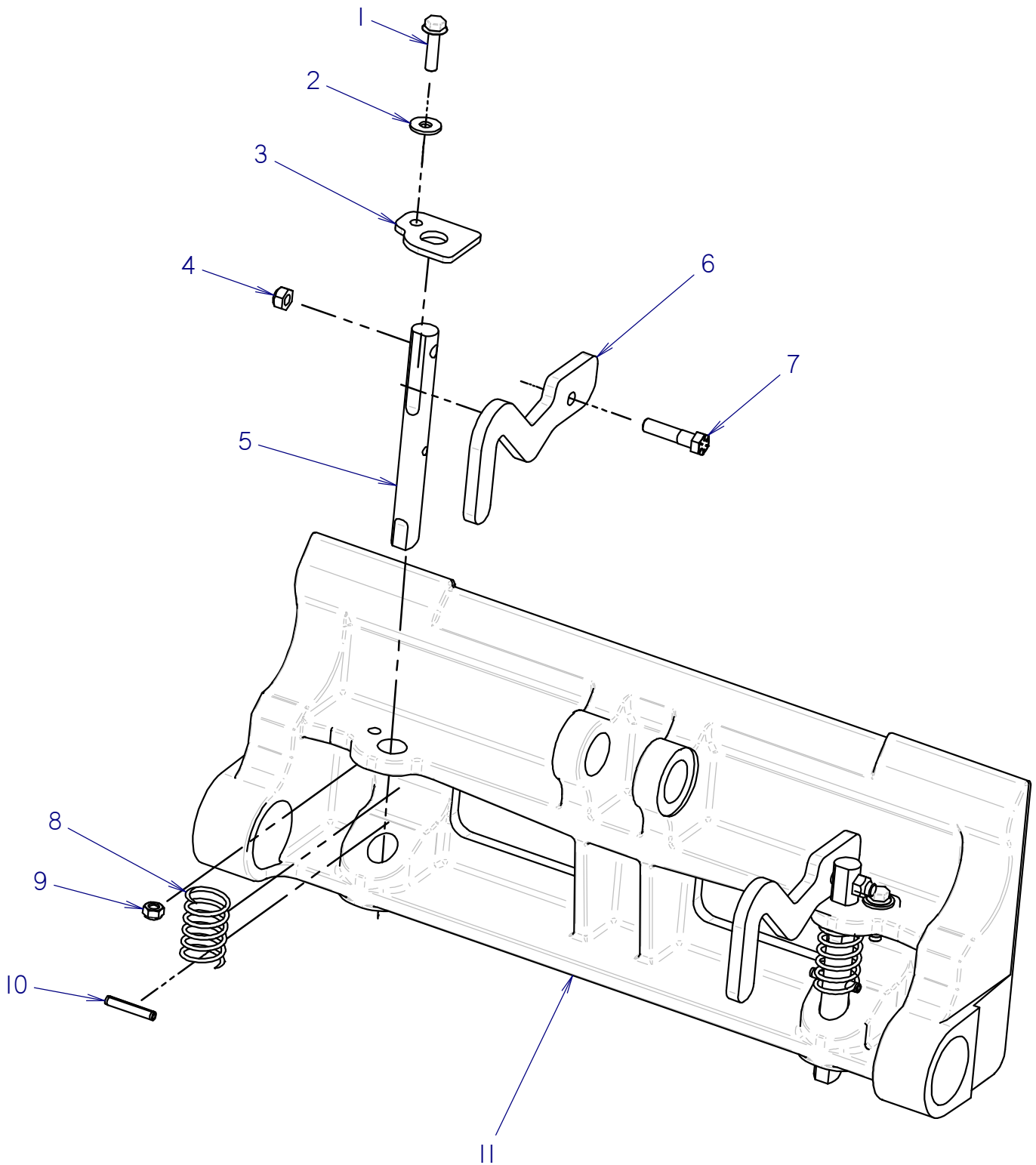
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 301-6674 | 1 | LOADER ARM | |
| 2 | 181-974 | 3 | TAPERED INSERT (1.5") | |
| 3 | 179-104 | 2 | TAPERED PIN (1.500" X 4.330") | |
| 4 | 179-907 | 1 | TAPERED PIN (1.50" X 4.88") | |
| 5 | 181-982 | 1 | TAPERED INSERT (1.25") | |
| 6 | 179-908 | 1 | TAPERED PIN (1.25" X 3.54") | |
| 7 | 125-538 | 3 | COMPOSITION BUSHING (1.5") | |
| 8 | 125-1000 | 1 | COMPOSITION BUSHING (1.25") | |
| 9 | 106-469 | 1 | FLG SCREW (M12-1.75 X 30MM) | |
| 10 | 105-969 | 2 | FLG BOLT (5/8-NC X 1-1/2",GD8) | |
| 11 | 106-470 | 1 | FLG SCREW (M16-2.0 X 40MM) | |
| 12 | 323-625 | 1 | LEVEL INDICATOR TUBE | |
| 13 | 323-626 | 1 | LEVEL INDICATOR ROD | |
| 14 | 107-483 | 1 | SHLD BLT (M12 X 40MM,M10-1.50) | |
| 15 | 106-535 | 1 | SHLD BLT (M12 X 30MM,M10-1.50) | |
| 16 | 324-730 | 1 | QUICK ATTACHMENT PLATE | |
| 17 | 150-4129 | 1 | CYL (2.5 X 1.25 X 10.0) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

AUTO LATCH



AUTO LATCH

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---------|
| 1 | 105-866 | 2 | FLG LK BOLT (5/16-NC X 1.250") | |
| 2 | 105-117 | 2 | WASHER (5/16") | |
| 3 | 301-9224 | 2 | TAB | |
| 4 | 105-047 | 2 | LOCKNUT (3/8-NC) | |
| 5 | 301-9227 | 2 | LATCH PIN | |
| 6 | 300-7093 | 2 | LEVER | |
| 7 | 105-1756 | 2 | BOLT (3/8-NC X 1-5/8") | |
| 8 | 118-424 | 2 | COMPRESSION SPRING | |
| 9 | 105-089 | 2 | LOCKNUT (5/16-NC) | |
| 10 | 105-510 | 2 | ROLL PIN (1/4" X 1-1/2") | |
| 11 | 324-730 | 1 | QUICK ATTACHMENT PLATE | |

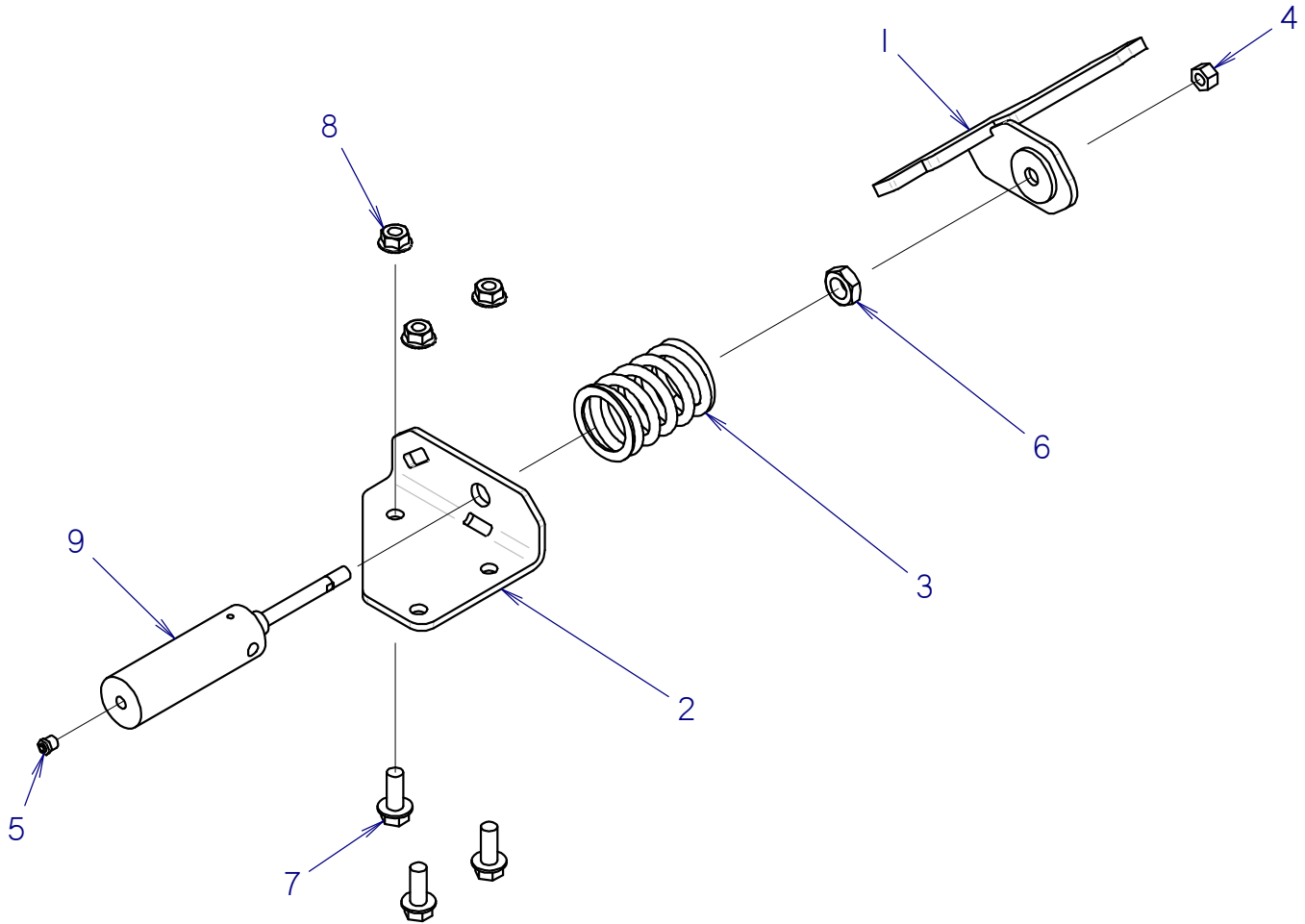
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FOOTNOTES:

NOTE:

CONTROL COMPONENTS

PARKING BRAKE



PARKING BRAKE

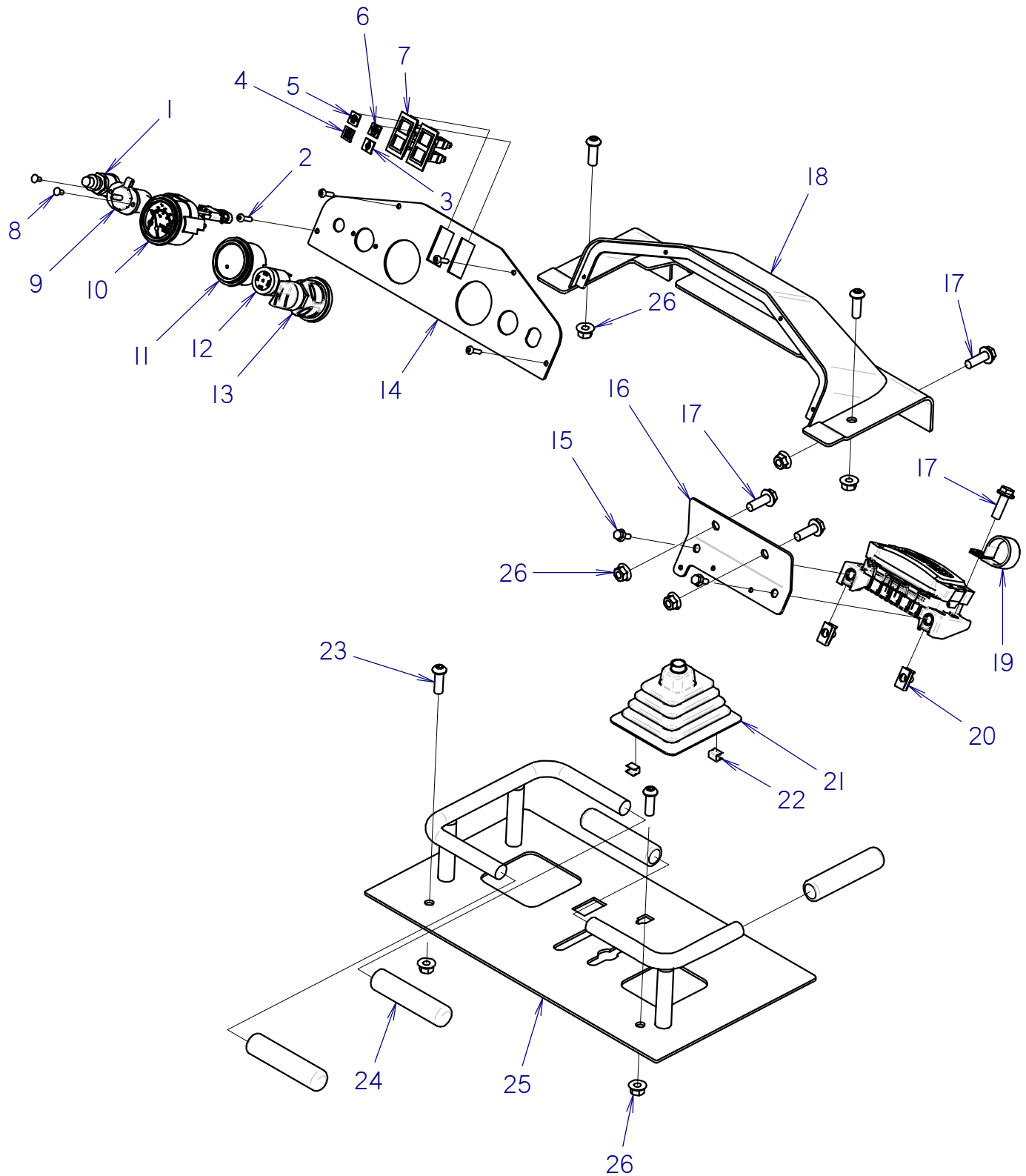
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|------------------------------|
| 1 | 301-4987 | 1 | BRAKE PIN | |
| 2 | 301-4988 | 1 | BRAKE MOUNT PLT | |
| 3 | 116-869 | 1 | SPRING | |
| 4 | 105-188 | 1 | LOCKNUT (7/16-NF) | |
| 5 | 155-912 | 1 | AIR VENT (02N) | |
| 6 | 105-404 | 0 | JAM NUT (3/4-NF) | COMES WITH ITEM# 9 (151-097) |
| 7 | 105-830 | 3 | FLG LK BOLT (1/2-NC X 1-1/4") | |
| 8 | 105-833 | 3 | FLG LOCKNUT (1/2-NC) | |
| 9 | 151-097 | 1 | CYL (1.5" X 0.43" X 2.500") | |

NOT SHOWN:

FOOTNOTES:

NOTE:

CONSOLE



CONSOLE

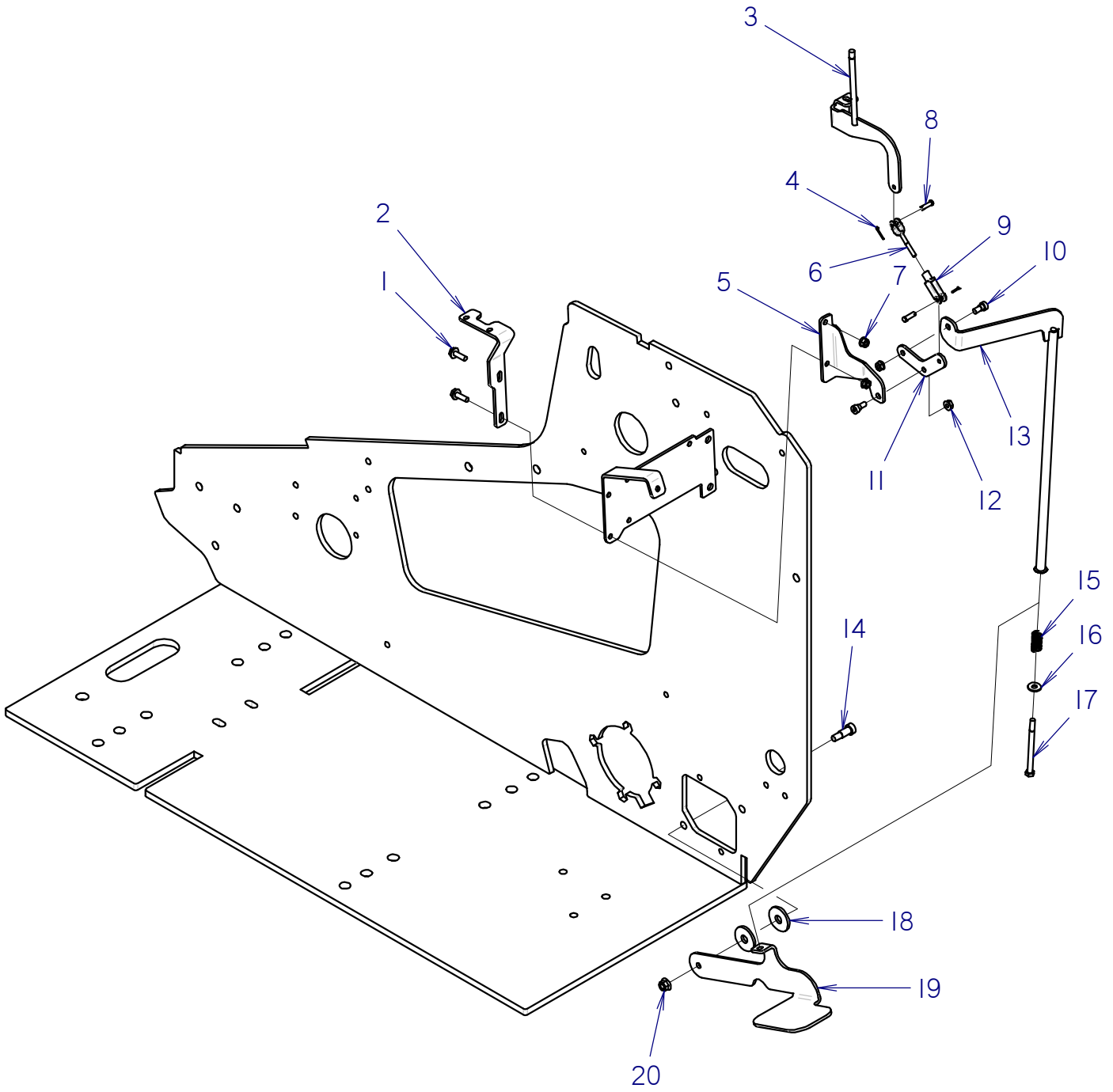
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|---|
| 1 | 306-607 | 1 | HORN BUTTON | |
| 2 | 105-687 | 4 | SCREW (#10-24 X 3/4",PAN TORX) | |
| 3 | 217-051 | 1 | INSERT (RED) ENG TEMP | |
| 4 | 217-027 | 1 | INSERT (RED) HYD OIL HI TEMP | |
| 5 | 217-021 | 1 | INSERT (RED) ENG OIL PSI | |
| 6 | 213-277 | 1 | INSERT (YELLOW) PREHEAT | |
| 7 | 217-020 | 2 | PILOT LIGHT | |
| 8 | 110-560 | 2 | POP RIVET (3/16" X 1/2", ALUM) | |
| 9 | 214-301 | 1 | ACCESSORY SOCKET | |
| 10 | 217-512 | 1 | WATER TEMPERATURE GAUGE | |
| 11 | 215-2594 | 1 | HOUR METER | |
| 12 | 306-603 | 1 | AUDIO ALARM | |
| 13 | 215-2013 | 1 | IGNITION SWITCH | USE REPLACEMENT KEY 105-1790 & 105-1791 BLK BOOT, KEY COVER |
| 14 | 300-6844 | 1 | PANEL | |
| 15 | 106-712 | 2 | FLG SCREW (M6-1.00 X 16MM) | |
| 16 | 301-6885 | 1 | BRACKET | |
| 17 | 106-164 | 4 | FLG LK SCREW (M10-1.50 X 30MM) | |
| 18 | 301-6691 | 1 | CONTROL PANEL | |
| 19 | 105-1454 | 1 | CLAMP, BOLT-ON ("P") 1 1/4" | |
| 20 | 106-574 | 2 | CLIP NUT (M6-1.00) | |
| 21 | 362-1148 | 1 | BOOT | |
| 22 | 362-1269 | 2 | U-CLIP | |
| 23 | 105-1098 | 4 | BOLT (M10-1.50 X 30MM,BUT SOC) | |
| 24 | 362-1942 | 4 | GRIP (.75 X 4.5) | |
| 25 | 301-1748 | 1 | CONTROL REFERENCE BAR | |
| 26 | 106-387 | 7 | FLG LOCKNUT (M10-1.50) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

AUXILIARY CONTROL FOOT PEDAL



AUXILIARY CONTROL FOOT PEDAL

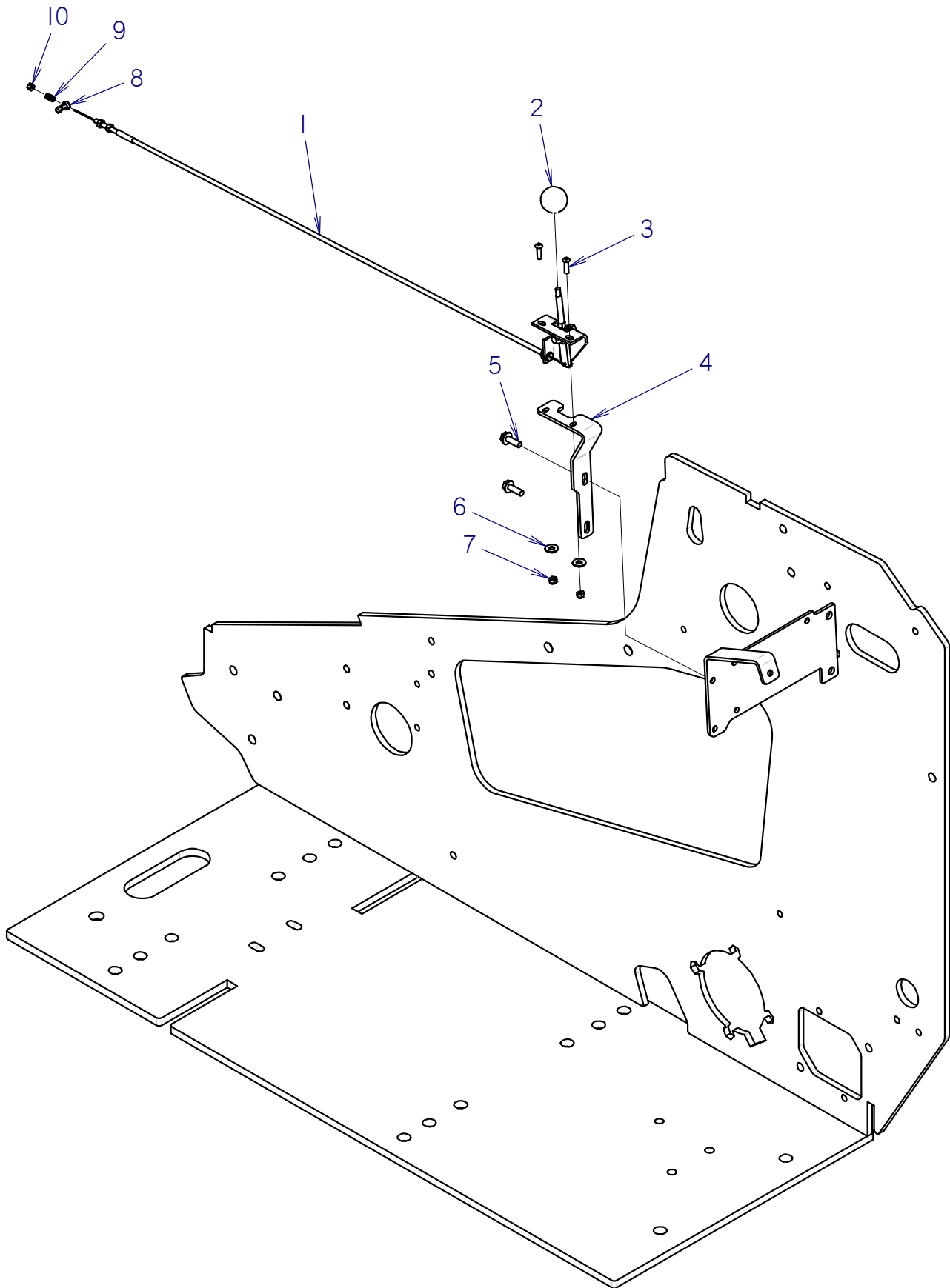
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|---------------------------------------|---------|
| 1 | 106-381 | 2 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 2 | 301-1697 | 1 | THROTTLE BRACKET | |
| 3 | 301-8851 | 1 | AUX CONTROL LEVER | |
| 4 | 105-512 | 2 | COTTER PIN (.094 X .750) | |
| 5 | 301-6666 | 1 | PIVOT MOUNT | |
| 6 | 105-1189 | 1 | CLEVIS MALE THREAD (1/4 NF) | |
| 7 | 106-386 | 2 | FLG LOCKNUT (M8-1.25) | |
| 8 | 110-082 | 2 | CLEVIS PIN (1/4 X 11/16) | |
| 9 | 110-067 | 1 | CLEVIS (1/4-NF) | |
| 10 | 107-582 | 2 | SHLD BOLT(3/8" X 1/4",5/16-NC) | |
| 11 | 301-6667 | 1 | PIVOT PLT | |
| 12 | 105-003 | 2 | FLG LOCKNUT (5/16-NC) | |
| 13 | 301-6668 | 1 | CONTROL ROD | |
| 14 | 106-739 | 1 | SHLD BLT (M12 X 20MM,M10-1.50) | |
| 15 | 117-003 | 1 | COMPRESSION SPRING - INSTALLED HEIGHT | |
| 16 | 105-117 | 1 | WASHER (5/16") | |
| 17 | 106-128 | 1 | BOLT (M8-1.25 X 110MM) | |
| 18 | 105-088 | 2 | WASHER (9/16") | |
| 19 | 301-6670 | 1 | PEDAL | |
| 20 | 106-387 | 1 | FLG LOCKNUT (M10-1.50) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

THROTTLE CABLE



THROTTLE CABLE

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|----------------|
| 1 | 195-1069 | 1 | CABLE THROTTLE (34"HD) | SEE FOOTNOTE 1 |
| 2 | 111-064 | 1 | KNOB (1/4-NC, ORANGE) | |
| 3 | 106-640 | 2 | SCREW (M6-1.00 X 20MM,BUT SOC) | |
| 4 | 301-1697 | 1 | THROTTLE BRACKET | |
| 5 | 106-381 | 2 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 6 | 105-095 | 2 | WASHER (1/4") | |
| 7 | 106-237 | 2 | LOCKNUT (M6-1.00,PRV TRQ,NLKI) | |
| 8 | 196-058 | 1 | CABLE SWIVEL (1.081") | SEE FOOTNOTE 1 |
| 9 | 115-618 | 1 | COMPRESSION SPRING (.625") | SEE FOOTNOTE 1 |
| 10 | 107-912 | 1 | CABLE STOP | SEE FOOTNOTE 1 |

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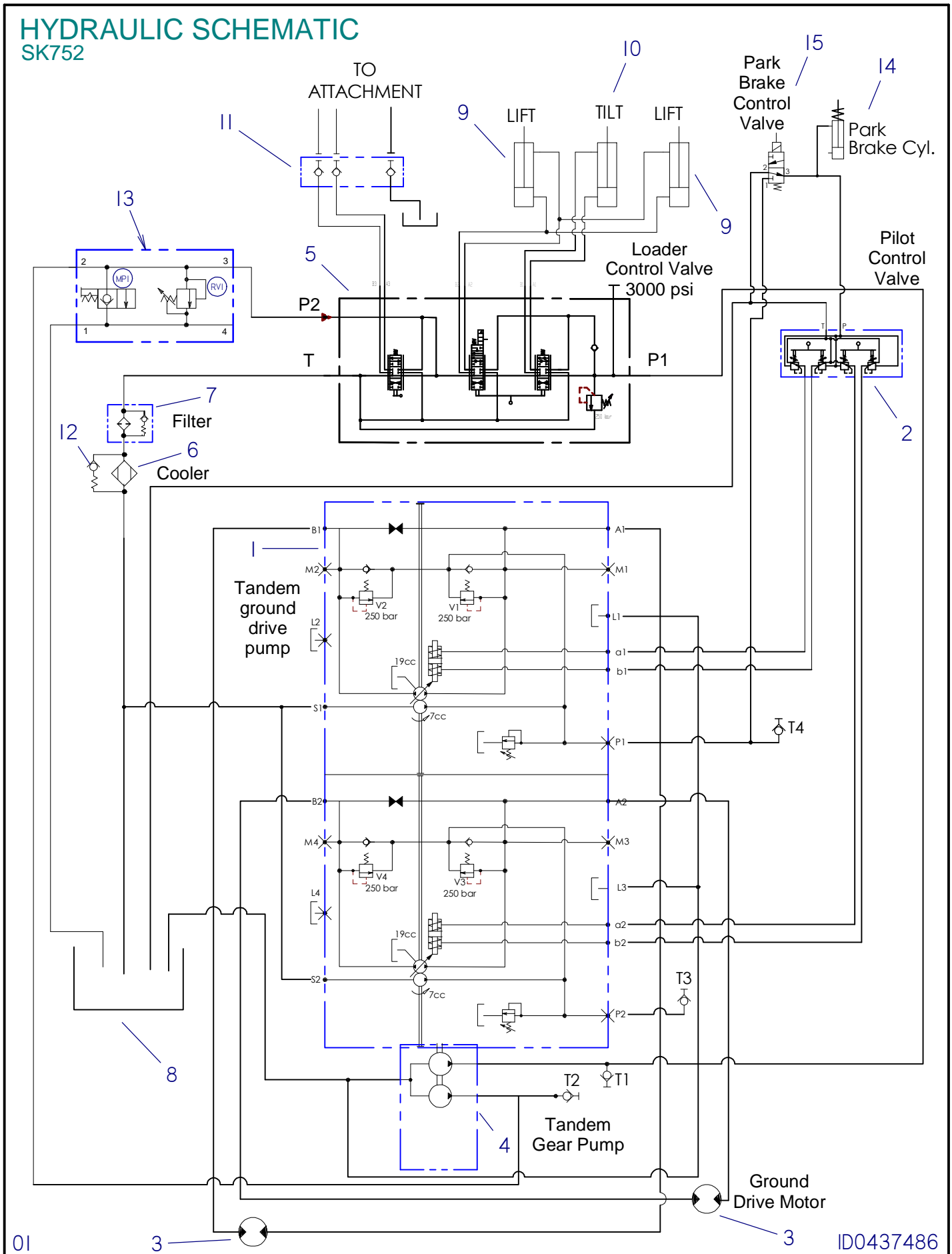
FOOTNOTES:

1. IF UNIT DOES NOT HAVE REF#9 AND REF#10 THESE WILL NEED TO BE ORDERED WITH A NEW 195-1069 THROTTLE CABLE. CONFIRM WASHERS MOUNTING THE 196-058 CABLE SWIVEL ARE INSTALLED AS SHOWN ON ID0293681.

NOTE:

HYDRAULICS

HYDRAULIC SCHEMATIC SK752

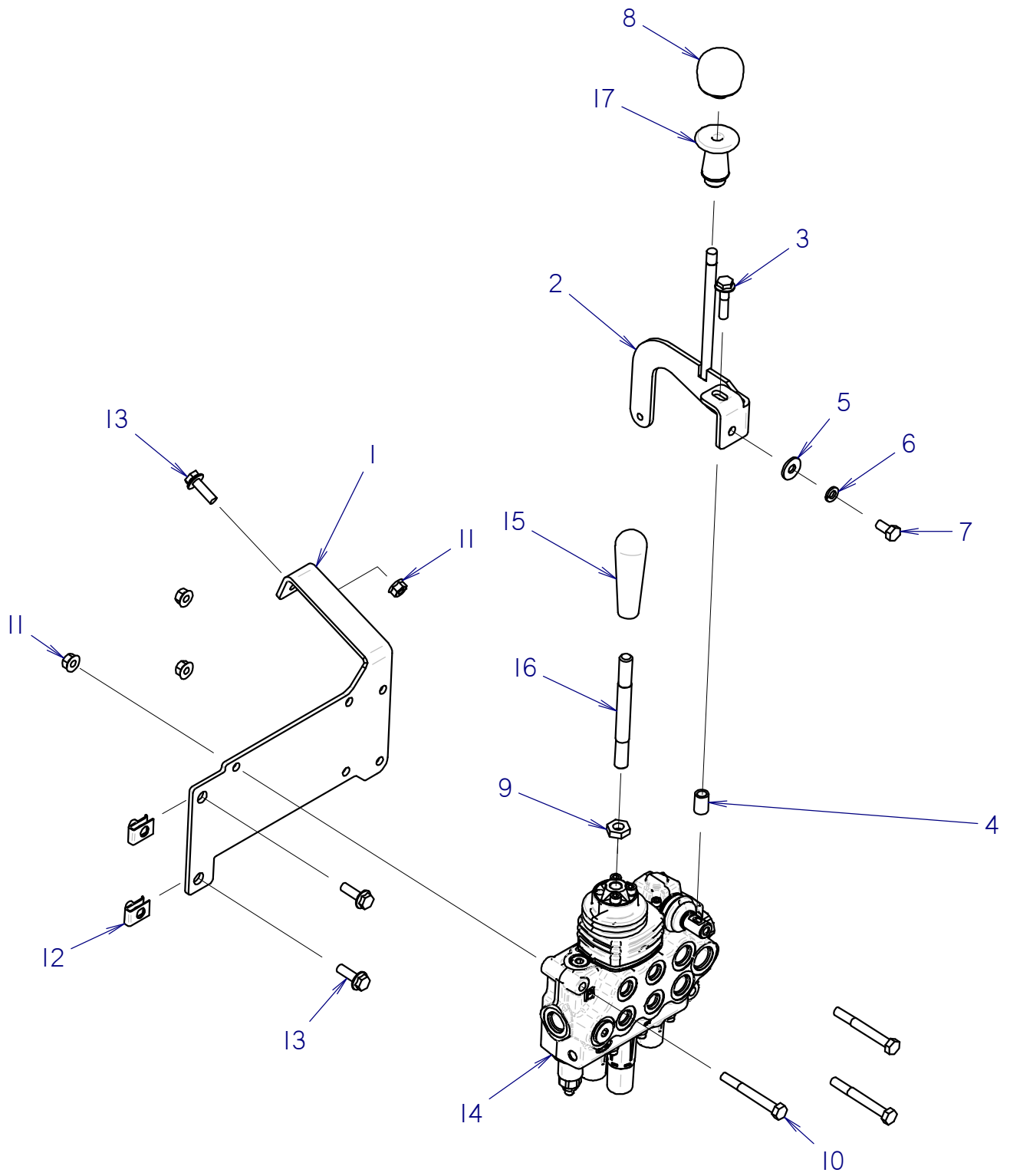


HYDRAULIC SCHEMATIC

SK752

| Ref. #'s | Component | Notes |
|----------|--|--|
| 1 | Left Ground Drive Pump (1st in stack) & Right Ground Drive Pump (2nd in stack) | Dual 0.98 in ³ (16.0 cc) displacement; 12.6 gpm (48 L/min) @3000rpm; nonadjustible 3625 psi (250 bar) reliefs; with a Dual charge pumps .42 in ³ (7cc) displacement, approximately 5.4 gpm (20.6 L/min) @ 3000 rpm & rated pressure; charge pressure approximately (23 bar) 330 psi at high idle |
| 2 | Ground Drive Pilot Valve | Dual lever, single axis operation |
| 3 | Ground Drive Motors | 20.6 in ³ (335cc) |
| 4 | Auxiliary Pump | 0.50 in ³ (8.2cc) & .40 in ³ (6.5cc); 6.5 gpm (24.51 L/min) & 5.2 gpm (19.60 L/min) @3000 rpm. |
| 5 | Loader & Auxiliary Valve | 3000-3100 psi (207-214 bar) relief |
| 6 | Hydraulic Cooler | |
| 7 | Hydraulic Filter | with 15 psi bypass;synthetic media element; 10 micron rating (1.7 bar) |
| 8 | Hydraulic Reservoir | |
| 9 | Loader Boom Cylinder(s) | |
| 10 | Loader Tilt Cylinder | |
| 11 | Quick Disconnect Manifold | Flat face, connect-under-pressure couplers, interchangeable with ISO 16028 |
| 12 | Hydraulic Cooler Bypass | 30 psi cracking pressure (2.0 bar); |
| 13 | External Relief Valve/Cold Start ByPass | 3000-3100 psi (207-214bar); protects 2nd gear pump, Pull & Twist Knob to Bypass Oil |
| 14 | Park Brake Cylinder | Spring Applied, Charge Pressure Release |
| 15 | Brake Control Valve | Port 1- Charge In; Port 2- To Tank; Port 3- To/From Brake & Pilot Valve; Energize to Release Brake & Power Pilot Valve. |
| T1 | Loader Valve Test Port | 3000-3100 psi (207-214 bar)@ 3000 rpm - Adjustable at Loader Valve |
| T2 | Test Port | 3000-3100 psi (207-214 bar)@ 3000 rpm - Non-Adjustible |
| T3 | Charge Pressure | Charge for Left Track (23 bar)330 psi |
| T4 | Charge Pressure | Charge Right Track & Joystick/Brake (23 bar)330 psi |

CONTROL VALVE MOUNTING



CONTROL VALVE MOUNTING

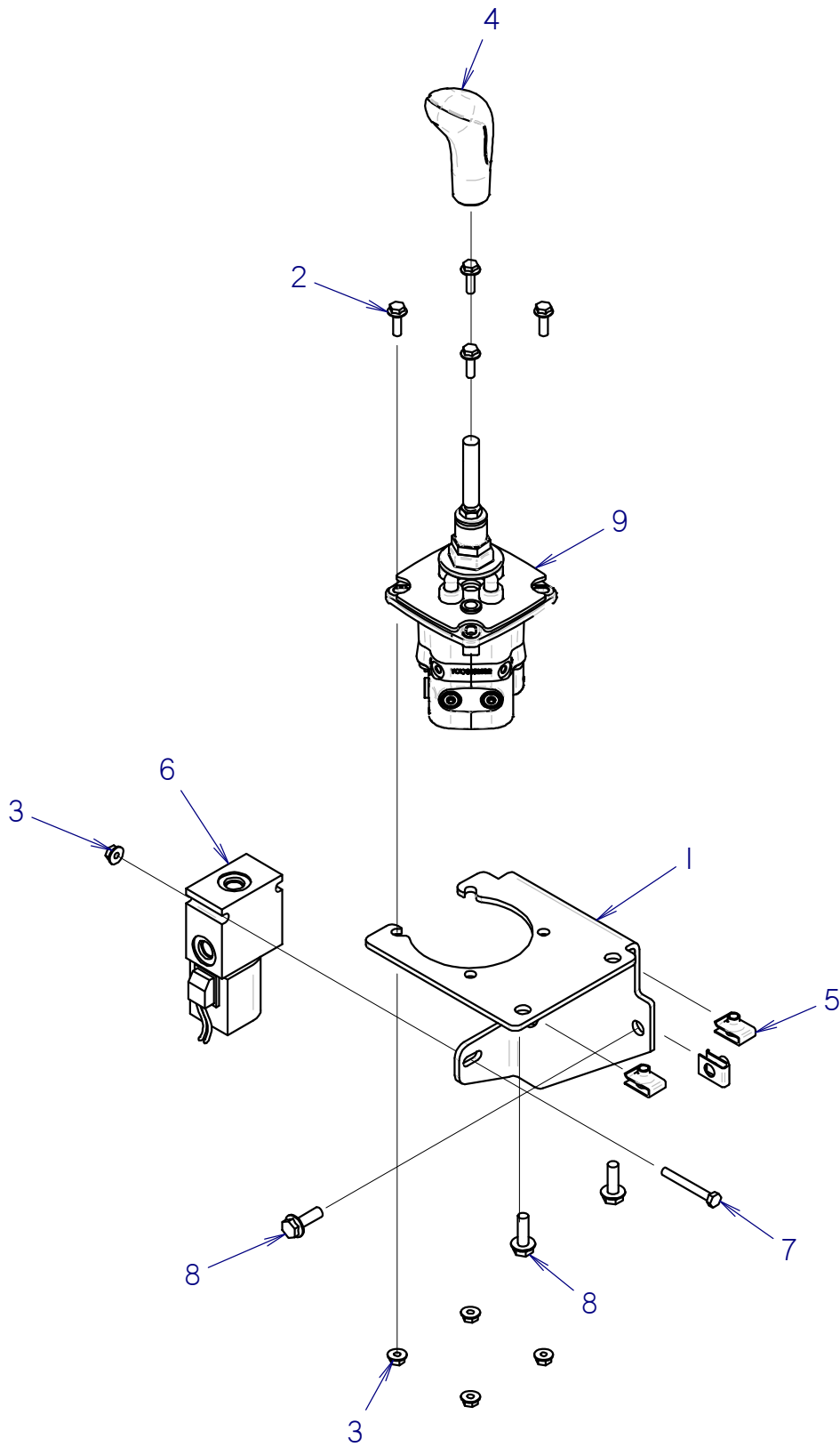
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 301-6665 | 1 | VALVE MOUNT | |
| 2 | 301-8851 | 1 | AUX CONTROL LEVER | |
| 3 | 106-989 | 1 | FLG LK SCREW (M8-1.25 X 35MM) | |
| 4 | 184-655 | 1 | BUSHING (BREAK-OUT WRENCH) | |
| 5 | 105-117 | 1 | WASHER (5/16") | |
| 6 | 105-091 | 1 | LOCK WASHER (5/16") | |
| 7 | 106-232 | 1 | SCREW (M8-1.25 X 16MM) | |
| 8 | 362-1135 | 1 | KNOB | |
| 9 | 107-669 | 1 | JAM NUT (M12-1.75) | |
| 10 | 106-330 | 3 | SCREW (M8-1.25 X 70MM) | |
| 11 | 106-386 | 4 | FLG LOCKNUT (M8-1.25) | |
| 12 | 106-551 | 2 | CLIP NUT (M8-1.25) | |
| 13 | 106-381 | 3 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 14 | 150-4131 | 1 | VALVE SD5-3 | |
| 15 | 110-530 | 1 | HANDLE (1/2-NC, GREEN) | |
| 16 | 301-7109 | 1 | LEVER | |
| 17 | 362-1247 | 1 | LEVER RELEASE LONG | |

NOT SHOWN:

FOOTNOTES:

NOTE:

SINGLE JOYSTICK MOUNTING



SINGLE JOYSTICK MOUNTING

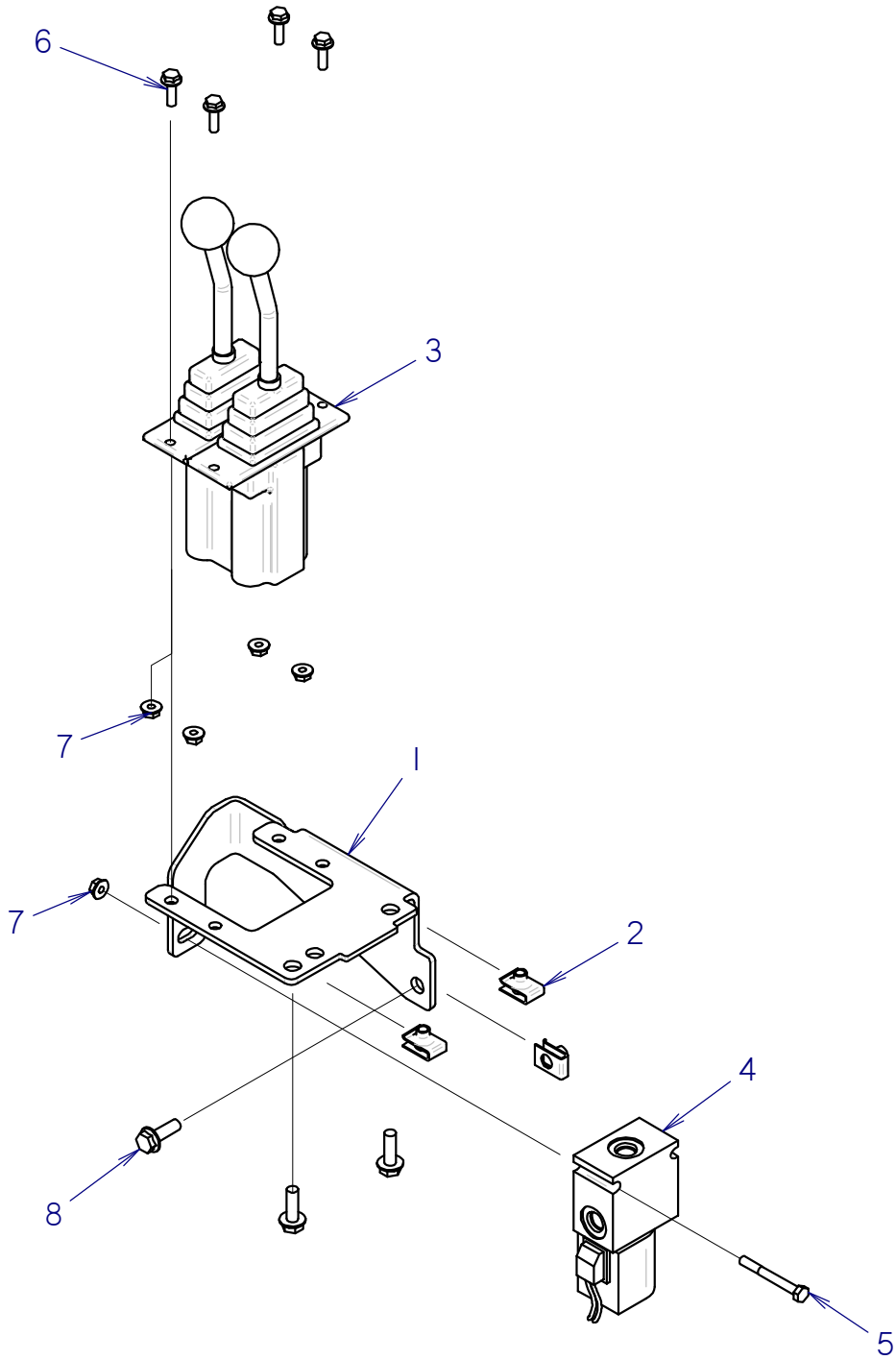
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--|---------|
| 1 | 301-6882 | 1 | MOUNTING BRACKET, JOYSTICK | |
| 2 | 106-161 | 4 | FLG SCREW (M6-1.00 X 20MM) | |
| 3 | 106-385 | 5 | FLG LOCKNUT (M6-1.00) | |
| 4 | 362-1133 | 1 | KNOB | |
| 5 | 106-551 | 3 | CLIP NUT (M8-1.25) | |
| 6 | 158-627 | 1 | SOLENOID VALVE | |
| 7 | 107-025 | 1 | SCREW (M6-1.00 X 50MM) | |
| 8 | 106-381 | 3 | FLG LK SCREW (M8-1.25 X 25MM) | |
| 9 | 150-3654 | 1 | PILOT JOYSTICK DUAL AXIS W/SHUTTLE BLK | |

NOT SHOWN:

FOOTNOTES:

NOTE:

DUAL JOYSTICK MOUNTING



DUAL JOYSTICK MOUNTING

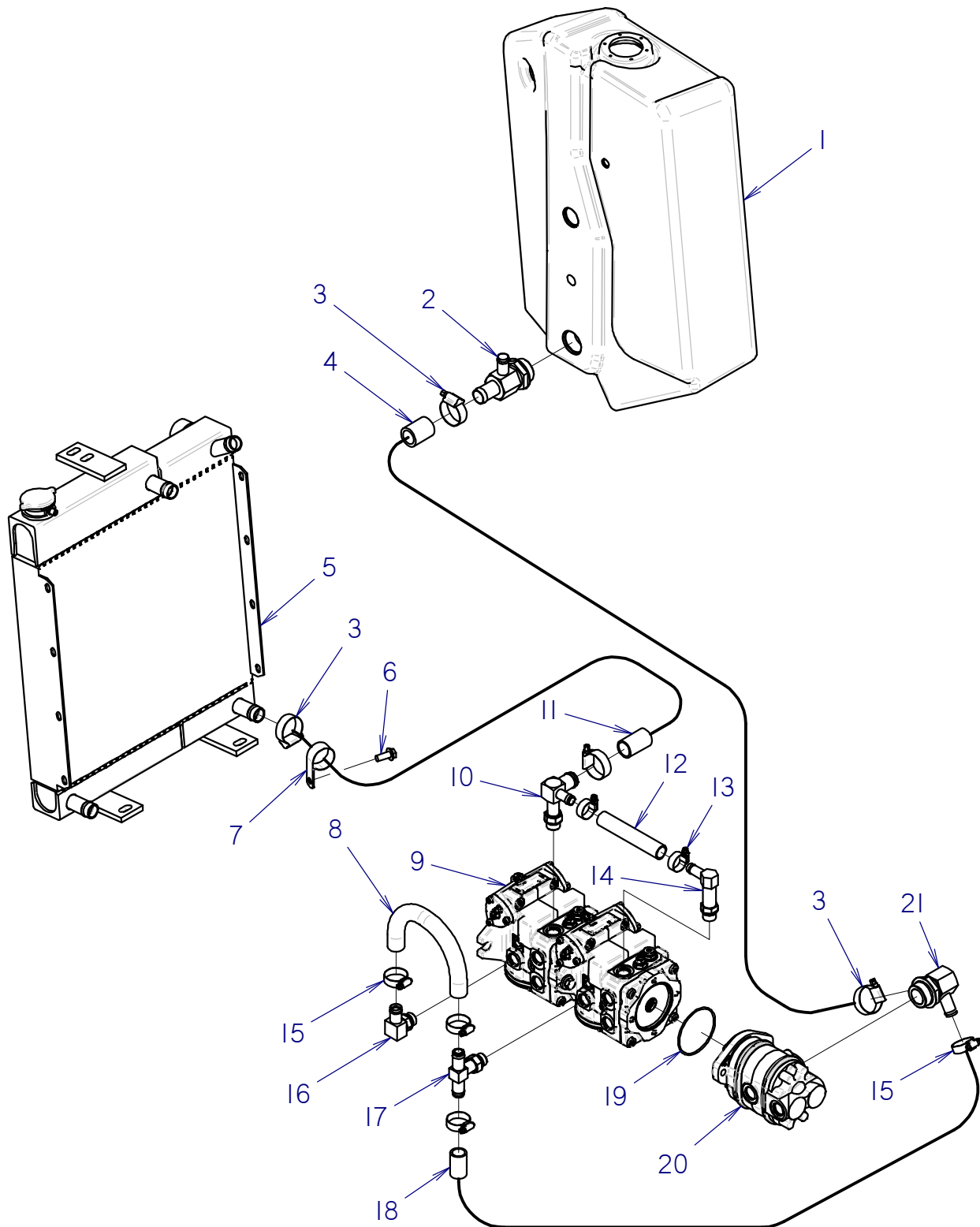
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|--|
| 1 | 301-6671 | 1 | MOUNTING BRACKET | |
| 2 | 106-551 | 3 | CLIP NUT (M8-1.25) | |
| 3 | 159-945 | 1 | PILOT CONTROL VALVE | FOR SK752 USE 150-5752 PILOT CONTROL VALVE |
| 4 | 158-627 | 1 | SOLENOID VALVE | |
| 5 | 106-893 | 1 | SCREW (M6-1.00 X 55MM) | |
| 6 | 106-161 | 4 | FLG SCREW (M6-1.00 X 20MM) | |
| 7 | 106-385 | 5 | FLG LOCKNUT (M6-1.00) | |
| 8 | 106-381 | 3 | FLG LK SCREW (M8-1.25 X 25MM) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

SUPPLY HYDRAULICS



SUPPLY HYDRAULICS

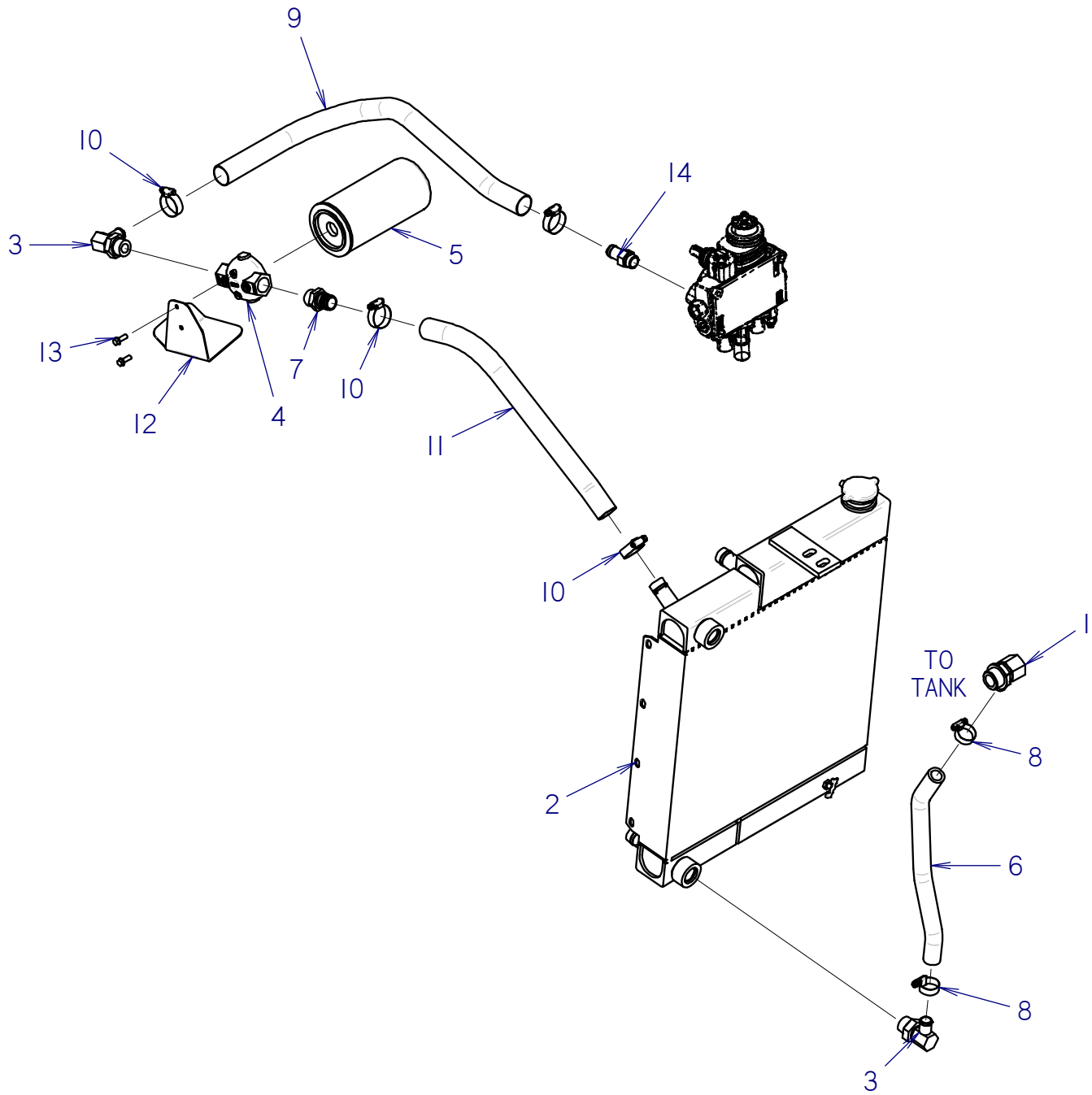
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------------|--|
| 1 | 364-1011 | 1 | HYDRAULIC TANK | |
| 2 | 159-638 | 1 | S/O BR TEE (20S-16H-12H-06S) | |
| 3 | 111-011 | 4 | WORM CLAMP (1" TO 1-3/4") | |
| 4 | 116-460 | 63 | BULK HOSE (1", SOLD PER FT) | |
| 5 | 195-1268 | 1 | RADIATOR/OIL COOLER | |
| 6 | 106-724 | 1 | FLG SCREW (M10-1.50 X 25MM) | |
| 7 | 110-332 | 1 | BOLT-ON CLAMP (1-5/8") | |
| 8 | 116-636 | 12 | BULK HOSE (3/4", SOLD PER FT) | |
| 9 | 150-4230 | 1 | TANDEM HYDRO PUMP | |
| 10 | 150-4231 | 1 | S/O COUPLER (10S-16H90-10H90) | |
| 11 | 116-460 | 40 | BULK HOSE (1", SOLD PER FT) | |
| 12 | 116-044 | 1 | BULK HOSE (5/8", SOLD PER 1") | |
| 13 | 110-026 | 2 | WORM CLAMP (1/2" TO 1-1/4") | |
| 14 | 150-1022 | 1 | ELBOW (10S-10H, LONG) | |
| 15 | 110-353 | 4 | WORM CLAMP (3/4" TO 1-1/2") | |
| 16 | 150-4939 | 1 | S/O COUPLER (10S-12H90) | |
| 17 | 150-4938 | 1 | S/O BR TEE (10S-12H90-12H90) | |
| 18 | 116-636 | 21 | BULK HOSE (3/4", SOLD PER FT) | |
| 19 | 157-041 | 0 | O-RING (152 D70) | INCLUDED IN 150-4230 TANDEM HYDRO PUMP |
| 20 | 150-3573 | 1 | HYD PUMP CW DOUBLE DISP GEAR (50/40) | |
| 21 | 152-118 | 1 | S/O TEE (20S-16H-12H) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

RETURN & FILTER HYDRAULICS



RETURN & FILTER HYDRAULICS

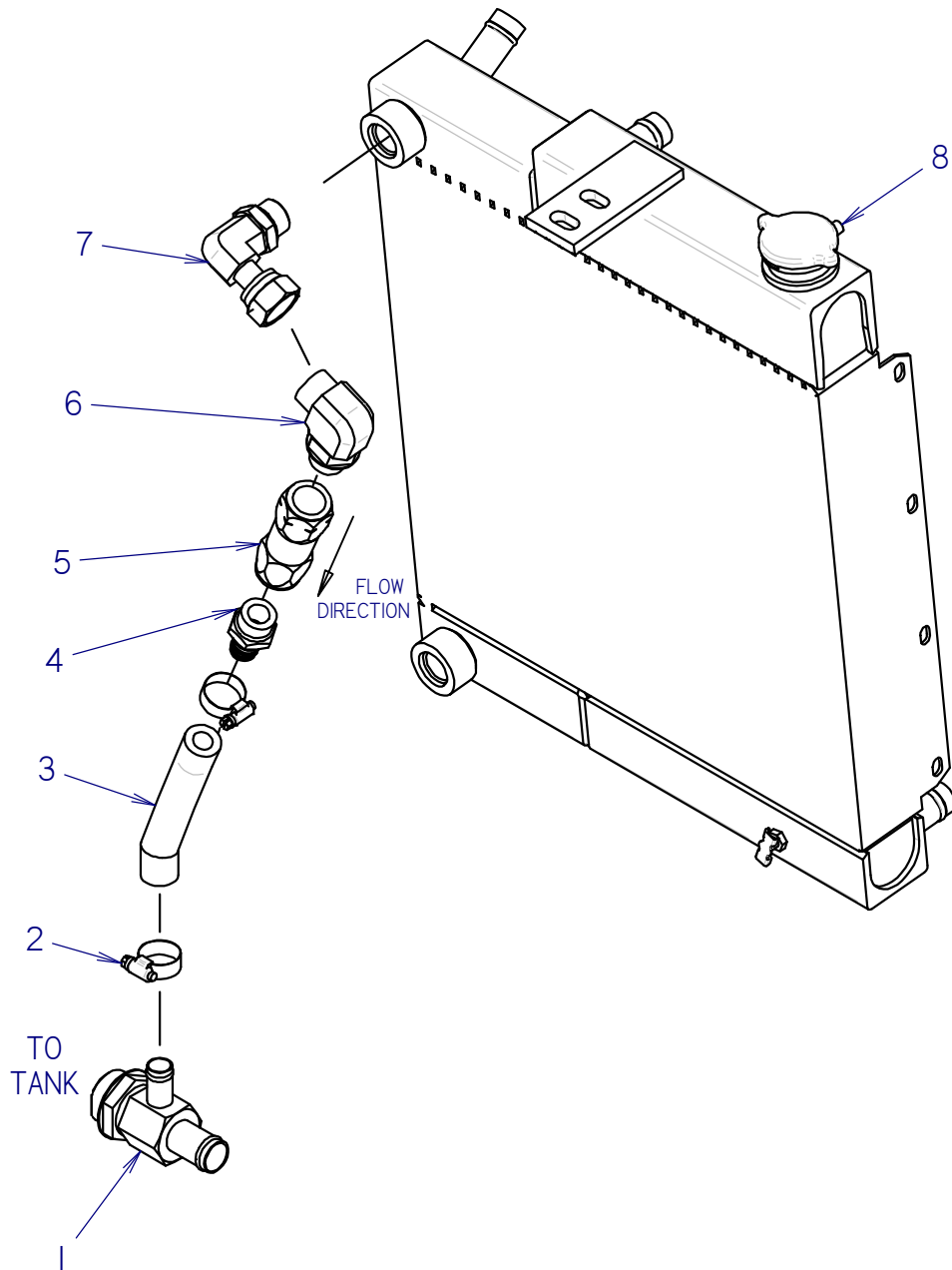
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 155-183 | 1 | S/O COUPLER (16S-12H90) | |
| 2 | 195-1268 | 1 | RADIATOR/OIL COOLER | |
| 3 | 155-174 | 2 | S/O COUPLER (12S-12H90) | |
| 4 | 159-386 | 1 | FILTER HEAD (12SF-12SF) | |
| 5 | 149-412 | 1 | FILTER ELEMENT (1-UNF) | |
| 6 | 116-636 | 16 | BULK HOSE (3/4", SOLD PER FT) | |
| 7 | 155-161 | 1 | S/O COUPLER (12S-16H) | |
| 8 | 110-026 | 2 | WORM CLAMP (1/2" TO 1-1/4") | |
| 9 | 116-636 | 28 | BULK HOSE (3/4", SOLD PER FT) | |
| 10 | 110-353 | 4 | WORM CLAMP (3/4" TO 1-1/2") | |
| 11 | 116-460 | 20 | BULK HOSE (1", SOLD PER FT) | |
| 12 | 301-6763 | 1 | CATCH TRAY | |
| 13 | 106-159 | 2 | FLG SCREW (1/4-NC X 3/4") | |
| 14 | 514-128 | 1 | S/O COUPLER (10S-12H) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

COOLER BY-PASS HYDRAULICS



COOLER BY-PASS HYDRAULICS

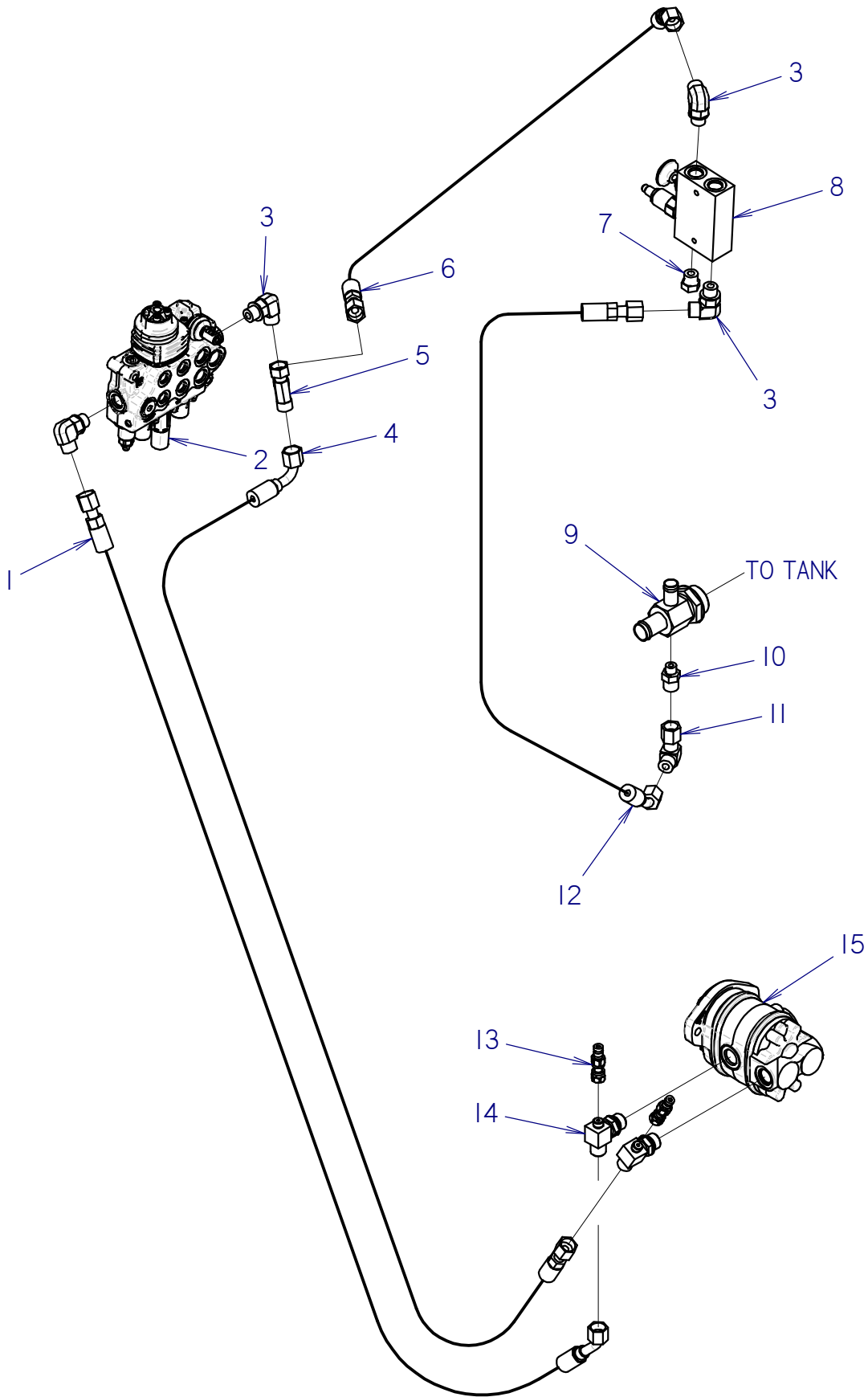
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 159-638 | 1 | S/O BR TEE (20S-16H-12H-06S) | |
| 2 | 110-026 | 2 | WORM CLAMP (1/2" TO 1-1/4") | |
| 3 | 116-636 | 5 | BULK HOSE (3/4", SOLD PER FT) | |
| 4 | 155-046 | 1 | S/O COUPLER (12S-12H) | |
| 5 | 155-245 | 1 | CHECK VALVE (12SF-12SF) | |
| 6 | 154-270 | 1 | CONNECTOR (12S-12090) | |
| 7 | 154-444 | 1 | UNION (12S-120FX90) | |
| 8 | 195-1268 | 1 | RADIATOR/OIL COOLER | |

NOT SHOWN:

FOOTNOTES:

NOTE:

AUXILIARY PUMP PRESSURE HYDRAULICS



AUXILIARY PUMP PRESSURE HYDRAULICS

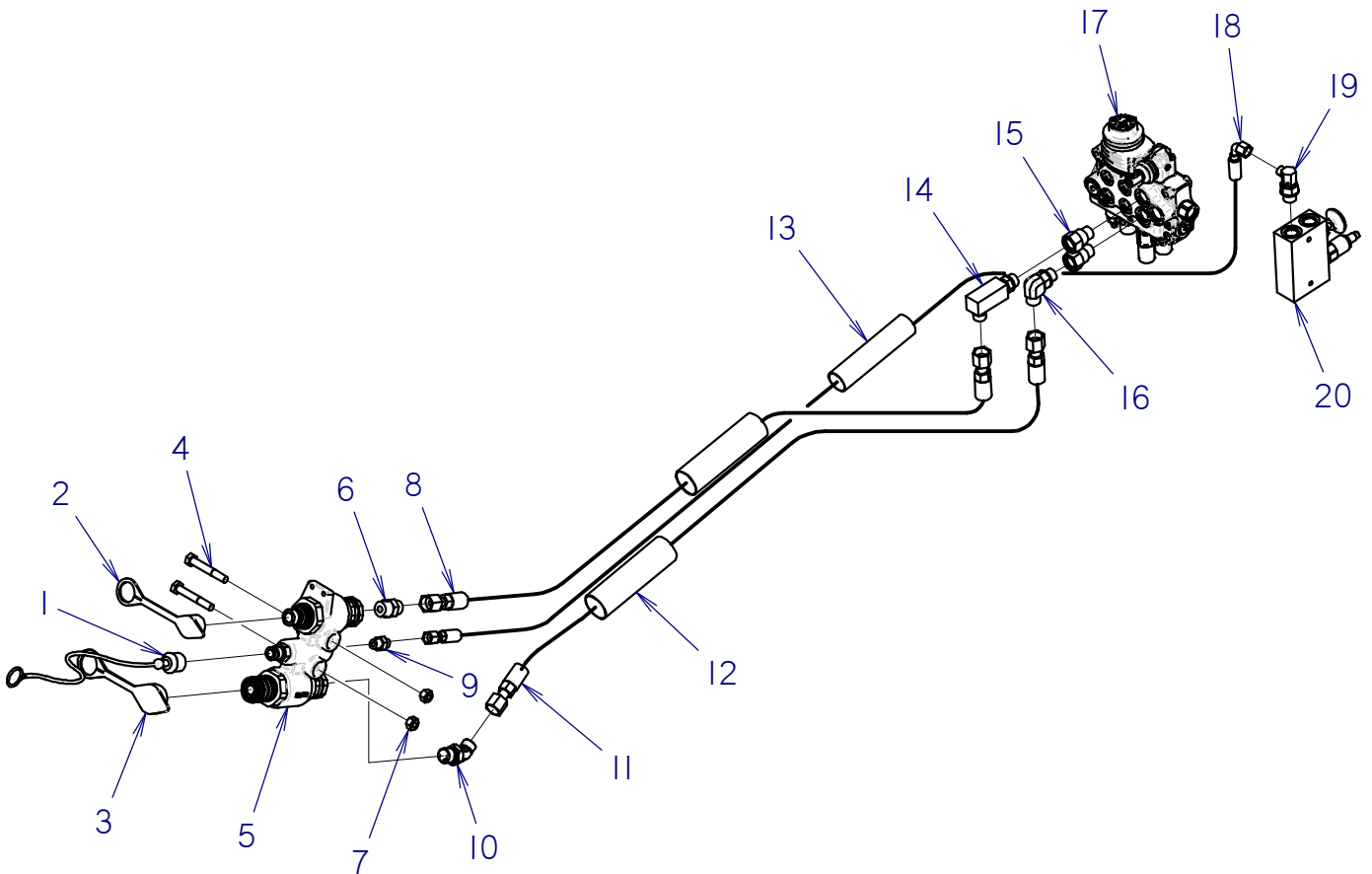
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------------|---------|
| 1 | 154-770 | 1 | HOSE (080FX45-66"-3000) | |
| 2 | 150-4131 | 1 | VALVE SD5-3 | |
| 3 | 154-235 | 4 | CONNECTOR (08S-08090) | |
| 4 | 159-851 | 1 | HOSE (080FX90S-68"-3000) | |
| 5 | 154-266 | 1 | UNION RUN TEE (080FX-080-080) | |
| 6 | 154-747 | 1 | HOSE (080FX45-21"-3000) | |
| 7 | 154-381 | 1 | PLUG (08S) | |
| 8 | 150-3402 | 1 | HYD MANIFOLD, RELIEF & 2 POS 2 WAY | |
| 9 | 350-3953 | 1 | HYDRAULIC TANK ASSEMBLY | |
| 10 | 154-246 | 1 | CONNECTOR (06S-080) | |
| 11 | 154-256 | 1 | UNION (080-080FX90) | |
| 12 | 154-943 | 1 | HOSE (080FX45-30"-3000) | |
| 13 | 159-156 | 2 | QDC ADAPTER (02-040F) | |
| 14 | 156-973 | 2 | BRANCH TEE (080-040-10S) | |
| 15 | 150-3573 | 1 | HYD PUMP CW DOUBLE DISP GEAR (50/40) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

AUXILIARY HYDRAULICS



AUXILIARY HYDRAULICS

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|------------------------------------|----------------|
| 1 | 105-1284 | 1 | DUST CAP (3/8" QD) | |
| 2 | 159-871 | 1 | DUST CAP | |
| 3 | 159-870 | 1 | DUST CAP | |
| 4 | 106-332 | 2 | SCREW (M10-1.50 X 70MM) | |
| 5 | 150-2410 | 1 | QDC MANIFOLD | SEE FOOTNOTE 1 |
| 6 | 154-279 | 1 | CONNECTOR (080-10S) | |
| 7 | 105-894 | 2 | LOCKNUT(M10-1.50,PRV TRQ,10.9) | |
| 8 | 150-4611 | 1 | HOSE (080FX-74"-4000) | |
| 9 | 154-220 | 1 | CONNECTOR (040-06S) | |
| 10 | 154-264 | 1 | CONNECTOR (080-10S45) | |
| 11 | 150-4611 | 1 | HOSE (080FX-74"-4000) | |
| 12 | 115-963 | 2 | ABRASION SLEEVE (1.59" X 75") | |
| 13 | 117-556 | 1 | ABRASION SLEEVE (1.25" X 80") | |
| 14 | 154-254 | 1 | CONNECTOR (08S-08090, XL) | |
| 15 | 153-995 | 2 | CONNECTOR (08S-08SF) | |
| 16 | 154-235 | 1 | CONNECTOR (08S-08090) | |
| 17 | 150-4131 | 1 | VALVE SD5-3 | |
| 18 | 157-911 | 1 | HOSE (040FX90S-85"-3000) | |
| 19 | 154-276 | 1 | CONNECTOR (040-08S90) | |
| 20 | 150-3402 | 1 | HYD MANIFOLD, RELIEF & 2 POS 2 WAY | |

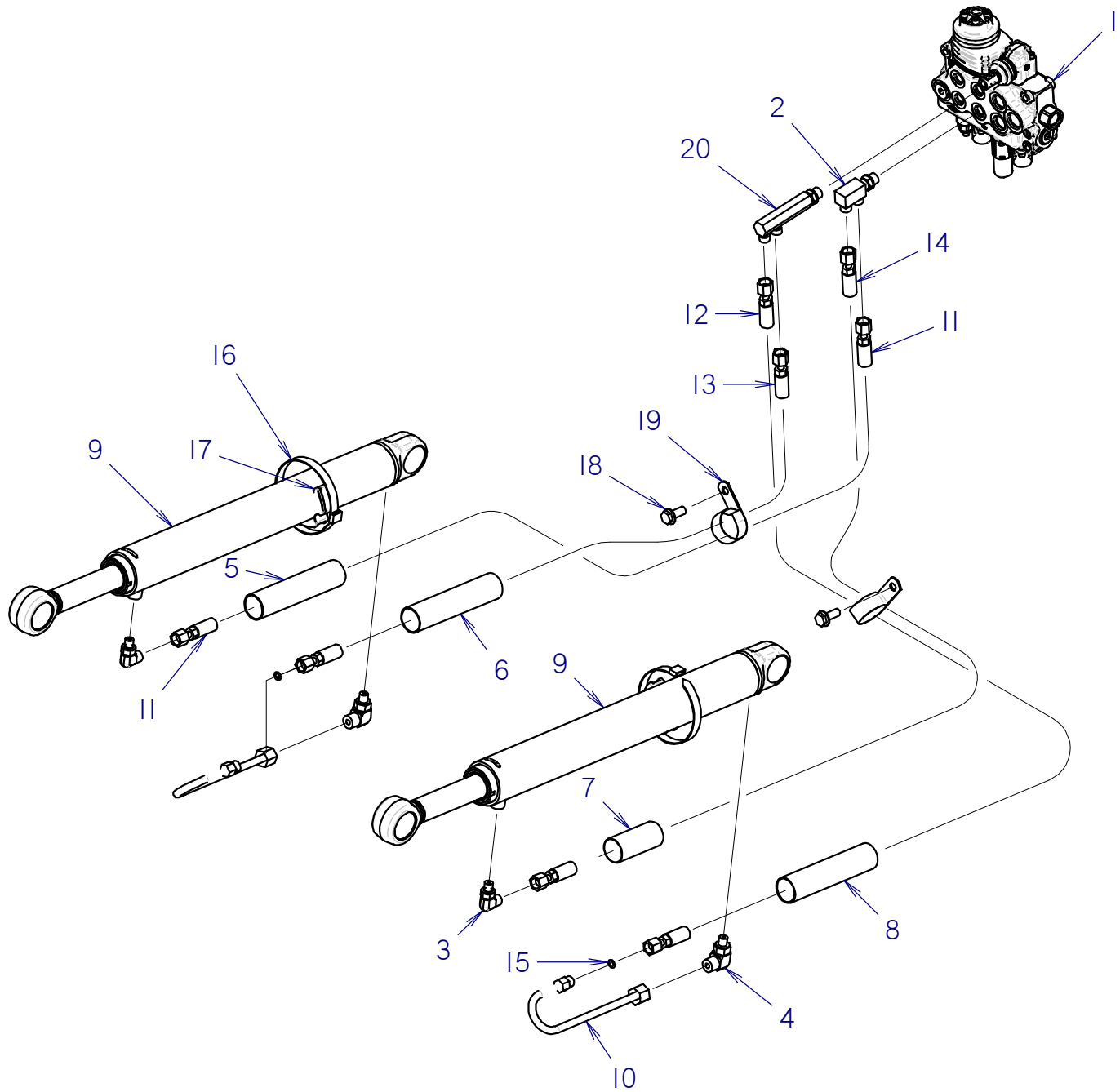
NOT SHOWN:

FOOTNOTES:

1. 150-3703 (3/8" MALE COUPLING KIT); 150-3702 (1/2" MALE COUPLING KIT); 150-3704 (1/2" FEMALE COUPLING KIT).

NOTE:

LIFT ARM HYDRAULICS



LIFT ARM HYDRAULICS

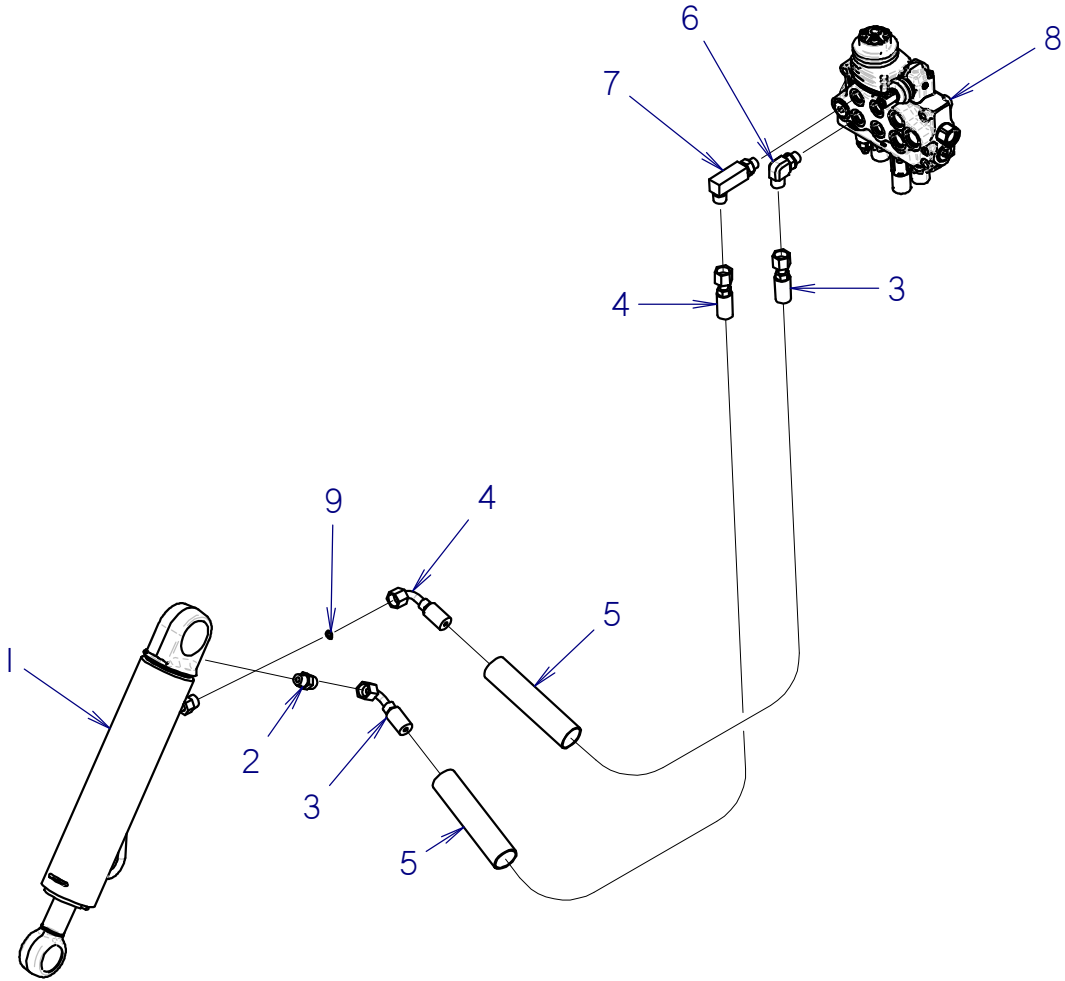
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-------------------------------|---------|
| 1 | 150-4131 | 1 | VALVE SD5-3 | |
| 2 | 150-4115 | 1 | BRANCH TEE (06S-040-040) | |
| 3 | 154-252 | 2 | CONNECTOR (04S-04090) | |
| 4 | 514-049 | 2 | CONNECTOR (04S-06090) | |
| 5 | 117-215 | 1 | ABRASION SLEEVE (1.25" X 46") | |
| 6 | 117-245 | 1 | ABRASION SLEEVE (1.25" X 33") | |
| 7 | 117-690 | 1 | ABRASION SLEEVE (1.25" X 58") | |
| 8 | 117-189 | 1 | ABRASION SLEEVE (1.25" X 44") | |
| 9 | 151-091 | 2 | CYL (2.0 X 1.25 X 16.0) | |
| 10 | 150-4036 | 2 | HYDRAULIC LINE (1-06) | |
| 11 | 154-693 | 1 | HOSE (040FX-44"-3000) | |
| 12 | 515-013 | 1 | HOSE (040FX-42"-3000) | |
| 13 | 149-915 | 1 | HOSE (040FX-30"-3000 AR) | |
| 14 | 154-692 | 1 | HOSE (040FX-54"-3000) | |
| 15 | 157-037 | 2 | O-RING (011 D90) | |
| 16 | 110-031 | 2 | CABLE TIE (1/2") 20" LG | |
| 17 | 105-1734 | 2 | SADDLE CLAMP | |
| 18 | 106-724 | 2 | FLG SCREW (M10-1.50 X 25MM) | |
| 19 | 110-332 | 2 | BOLT-ON CLAMP (1-5/8") | |
| 20 | 150-2615 | 1 | BRANCH TEE, XL (06S-040-040) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

TILT CYLINDER HYDRAULICS



TILT CYLINDER HYDRAULICS

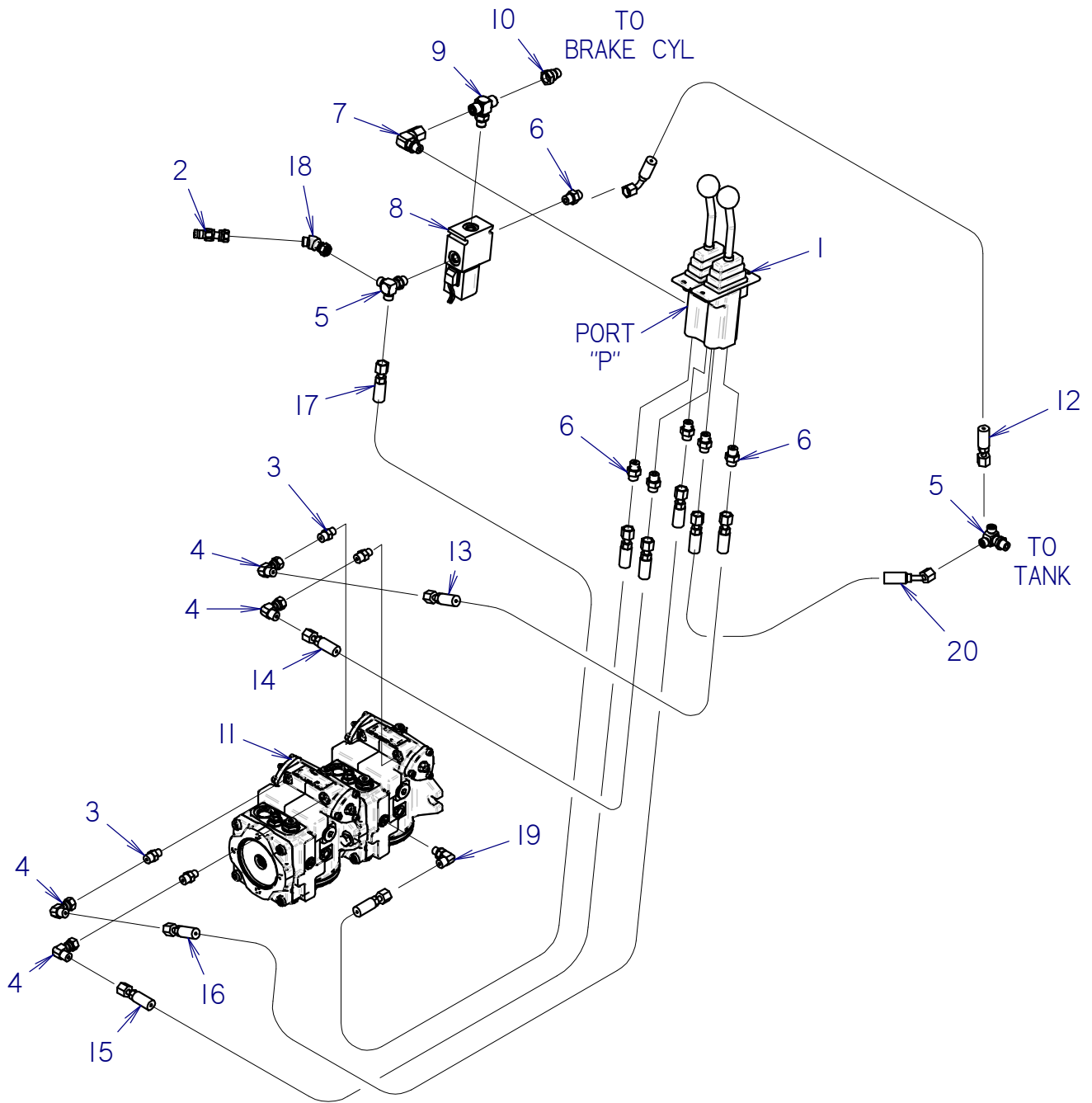
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|------------|----------------|-----|--------------------------------|---------|
| 1 | 150-4129 | 1 | CYL (2.5 X 1.25 X 10.0) | |
| 2 | 154-221 | 1 | CONNECTOR (06S-060) | |
| 3 | 150-1195 | 1 | HOSE (060FX90S-103"-3000) | |
| 4 | 150-1195 | 1 | HOSE (060FX90S-103"-3000) | |
| 5 | 105-1123 | 2 | ABRASION SLEEVE (1.25" X 106") | |
| 6 | 154-342 | 1 | CONNECTOR (06S-06090) | |
| 7 | 154-471 | 1 | CONNECTOR (06S-06090.LG) | |
| 8 | 150-4131 | 1 | VALVE SD5-3 | |
| 9 | 157-037 | 1 | O-RING (O11 D90) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

PILOT CONTROL HYDRAULICS



PILOT CONTROL HYDRAULICS

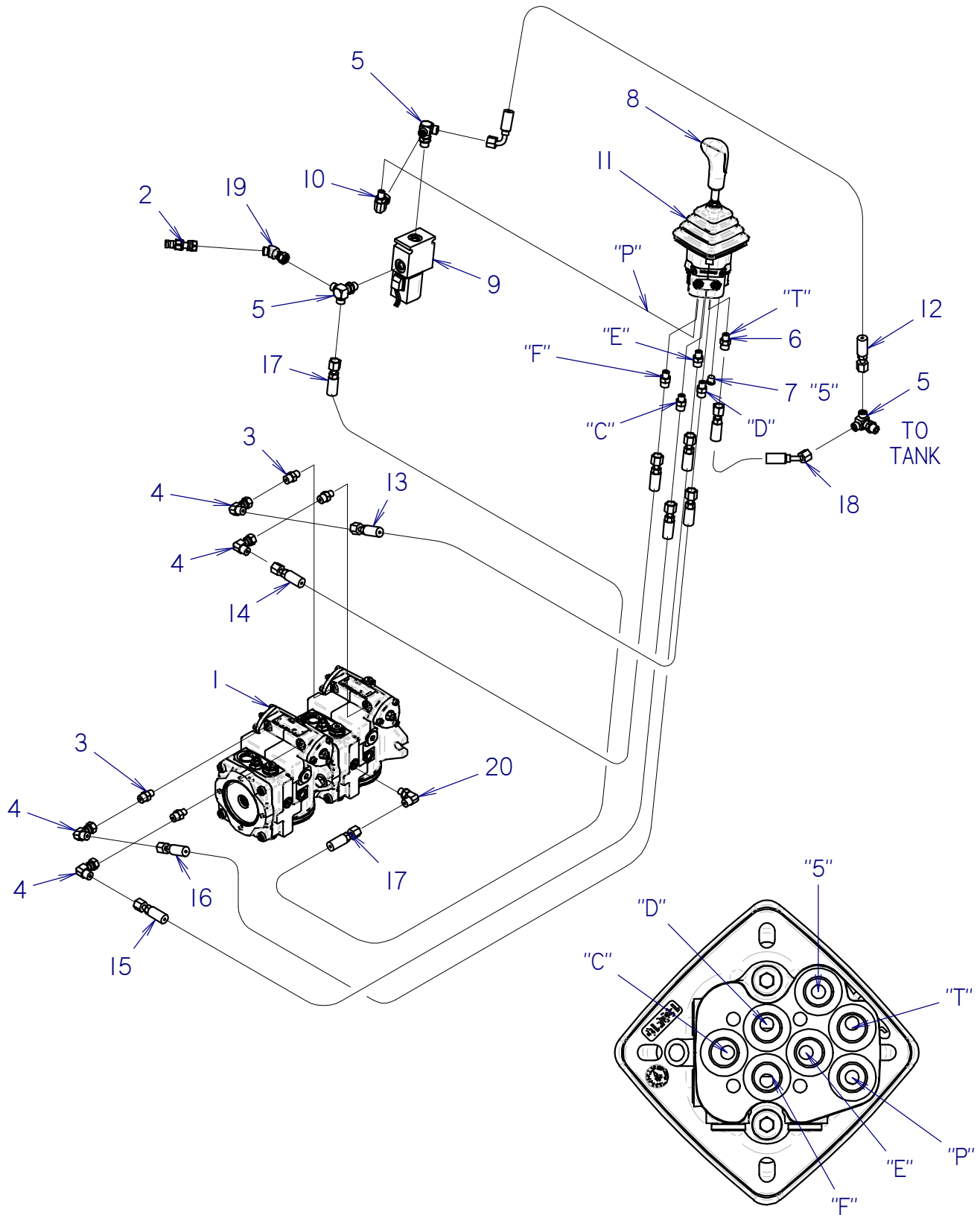
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------|--|
| 1 | 159-945 | 1 | PILOT CONTROL VALVE | FOR SK752 USE 150-5752 PILOT CONTROL VALVE |
| 2 | 159-156 | 1 | QDC ADAPTER (02-040F) | |
| 3 | 156-069 | 4 | CONNECTOR (04S-040, ORF) | |
| 4 | 154-255 | 4 | UNION (040-040FX90) | |
| 5 | 154-230 | 2 | BRANCH TEE (06S-040-040) | |
| 6 | 154-220 | 6 | CONNECTOR (040-06S) | |
| 7 | 154-343 | 1 | UNION (06S-060FX90) | |
| 8 | 158-627 | 1 | SOLENOID VALVE | |
| 9 | 154-346 | 1 | BRANCH TEE (06S-060-060) | |
| 10 | 154-373 | 1 | REDUCER (040-060F) | |
| 11 | 150-4230 | 1 | TANDEM HYDRO PUMP | |
| 12 | 515-065 | 1 | HOSE (040FX90S-14"-3000) | |
| 13 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 14 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 15 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 16 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 17 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 18 | 150-1959 | 1 | CONNECTOR (040-040FX45) | |
| 19 | 154-252 | 1 | CONNECTOR (04S-04090) | |
| 20 | 150-5444 | 1 | HOSE (040FX45-11"-3000) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

PILOT CONTROL HYDRAULICS (SINGLE JOYSTICK)



PILOT CONTROL HYDRAULICS (SINGLE JOYSTICK)

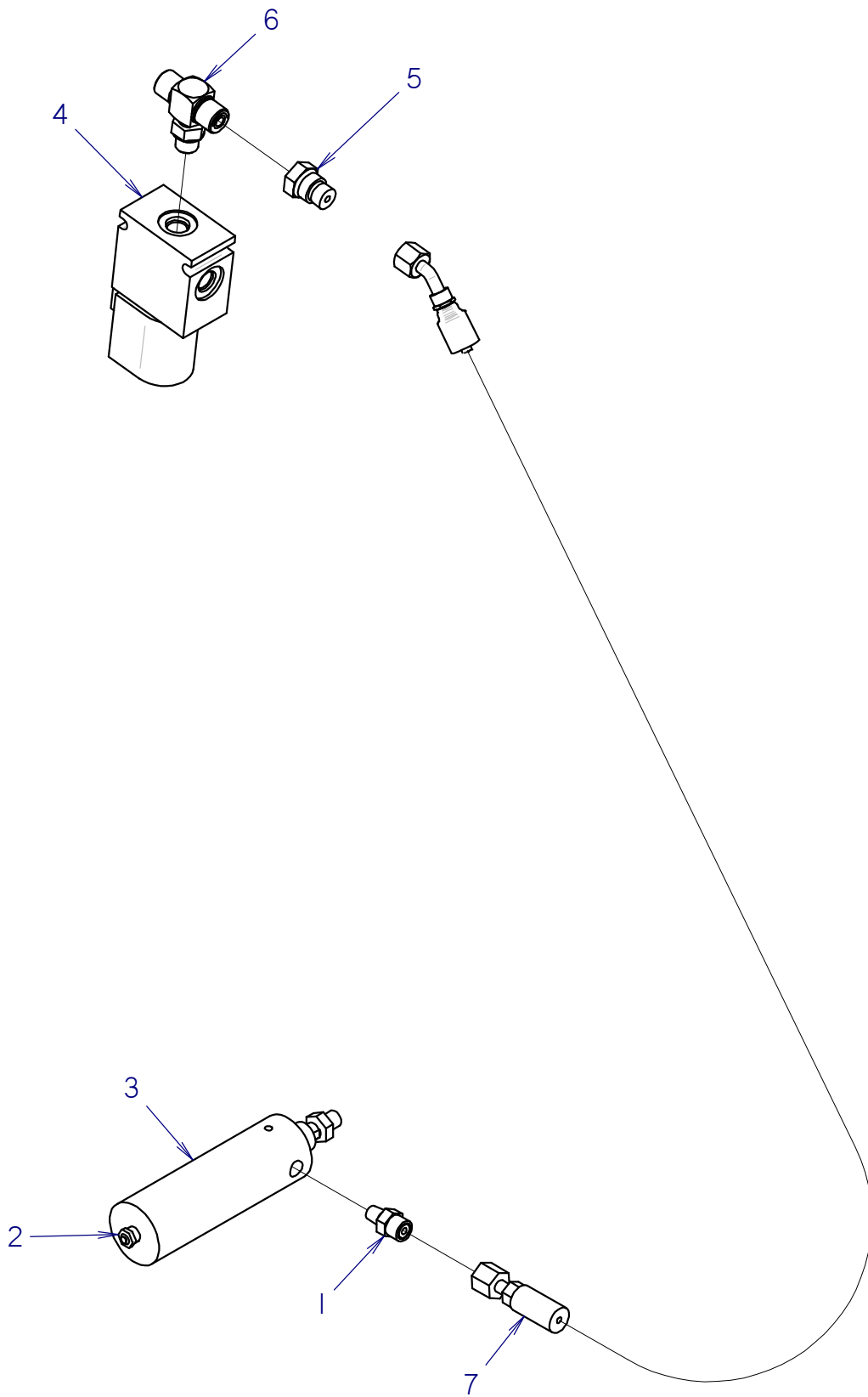
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--|---------|
| 1 | 150-4230 | 1 | TANDEM HYDRO PUMP | |
| 2 | 159-156 | 1 | QDC ADAPTER (02-040F) | |
| 3 | 156-069 | 4 | CONNECTOR (04S-040, ORF) | |
| 4 | 154-255 | 4 | UNION (040-040FX90) | |
| 5 | 154-230 | 3 | BRANCH TEE (06S-040-040) | |
| 6 | 154-278 | 5 | CONNECTOR (04S-040) | |
| 7 | 154-383 | 1 | PLUG (04S) | |
| 8 | 362-1133 | 1 | KNOB | |
| 9 | 158-627 | 1 | SOLENOID VALVE | |
| 10 | 514-257 | 1 | UNION (04S-040FX90) | |
| 11 | 150-3654 | 1 | PILOT JOYSTICK DUAL AXIS W/SHUTTLE BLK | |
| 12 | 515-065 | 1 | HOSE (040FX90S-14"-3000) | |
| 13 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 14 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 15 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 16 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 17 | 515-054 | 1 | HOSE (040FX-74"-3000) | |
| 18 | 150-5444 | 1 | HOSE (040FX45-11"-3000) | |
| 19 | 150-1959 | 1 | CONNECTOR (040-040FX45) | |
| 20 | 154-252 | 1 | CONNECTOR (04S-04090) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

PARK BRAKE HYDRAULICS



PARK BRAKE HYDRAULICS

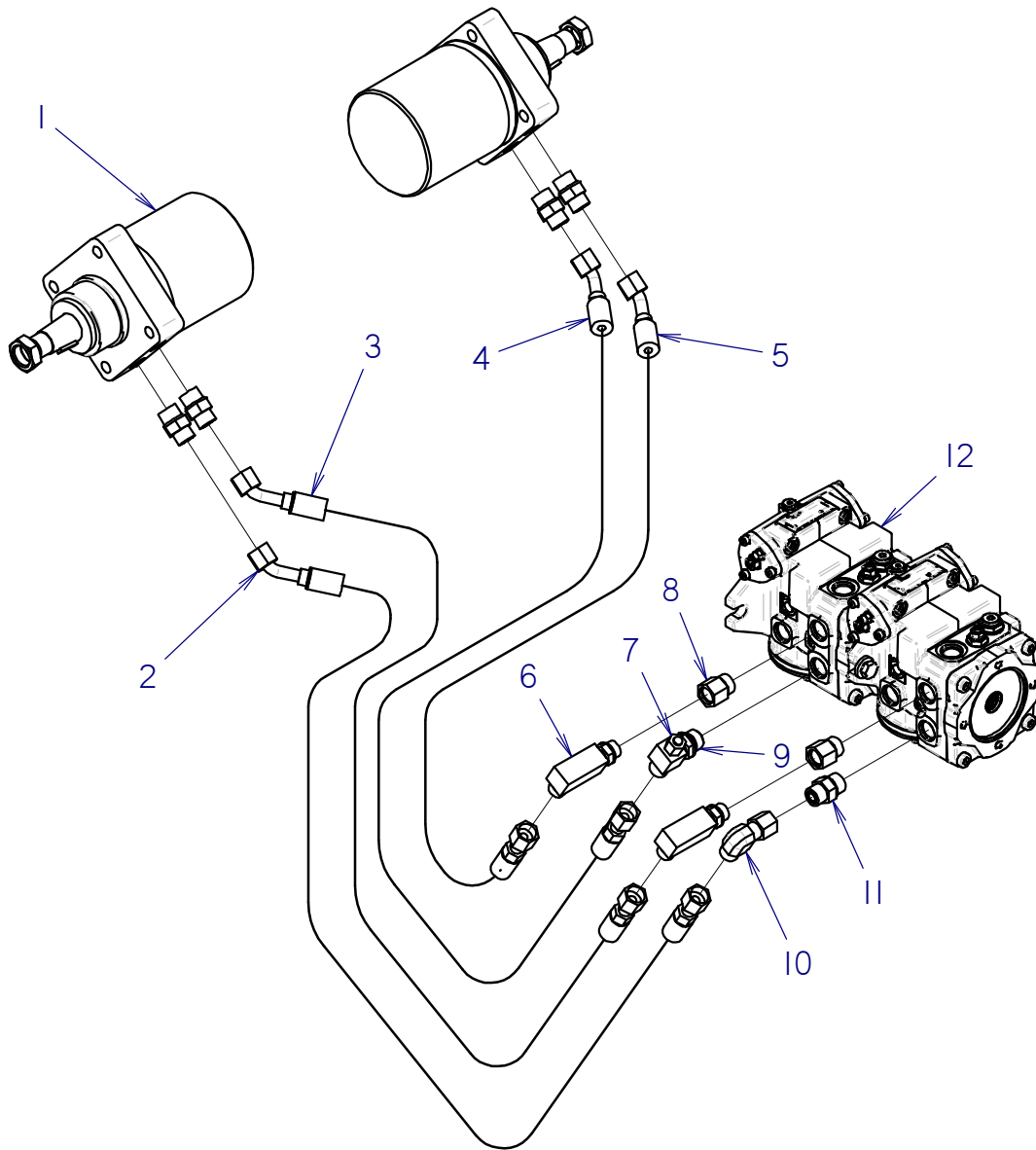
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|-----------------------------|---------|
| 1 | 153-241 | 1 | CONNECTOR (040-02N) | |
| 2 | 155-912 | 1 | AIR VENT (02N) | |
| 3 | 151-097 | 1 | CYL (1.5" X 0.43" X 2.500") | |
| 4 | 158-627 | 1 | SOLENOID VALVE | |
| 5 | 154-373 | 1 | REDUCER (040-060F) | |
| 6 | 154-346 | 1 | BRANCH TEE (06S-060-060) | |
| 7 | 150-1422 | 1 | HOSE (040FX45-44"-3000) | |

NOT SHOWN:

FOOTNOTES:

NOTE:

GROUND DRIVE HYDRAULICS



GROUND DRIVE HYDRAULICS

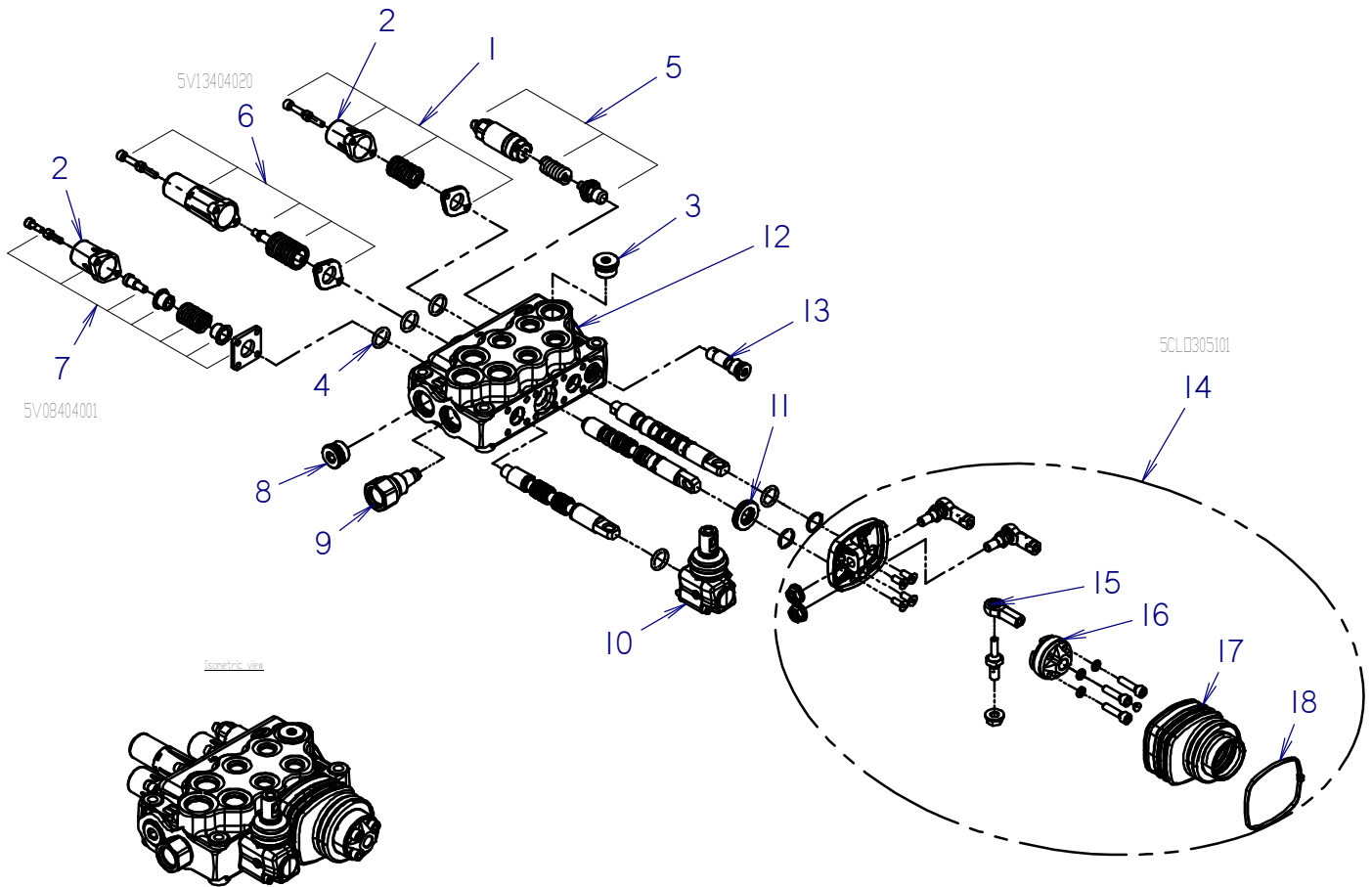
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|----------------------------|---------|
| 1 | 155-572 | 2 | HYD MTR (GEROLER) 20.6 CID | |
| 2 | 154-943 | 1 | HOSE (080FX45-30"-3000) | |
| 3 | 154-943 | 1 | HOSE (080FX45-30"-3000) | |
| 4 | 150-4307 | 1 | HOSE (080FX45-33"-3000) | |
| 5 | 150-4307 | 1 | HOSE (080FX45-33"-3000) | |
| 6 | 154-254 | 2 | CONNECTOR (08S-08090, XL) | |
| 7 | 154-296 | 1 | CAP (040F) | |
| 8 | 155-193 | 2 | REDUCER (10S-08SF) | |
| 9 | 156-973 | 1 | BRANCH TEE (080-040-10S) | |
| 10 | 154-256 | 1 | UNION (080-080FX90) | |
| 11 | 154-279 | 5 | CONNECTOR (080-10S) | |
| 12 | 150-4230 | 1 | TANDEM HYDRO PUMP | |

NOT SHOWN:

FOOTNOTES:

NOTE:

HYDRAULIC CONTROL VALVE



HYDRAULIC CONTROL VALVE

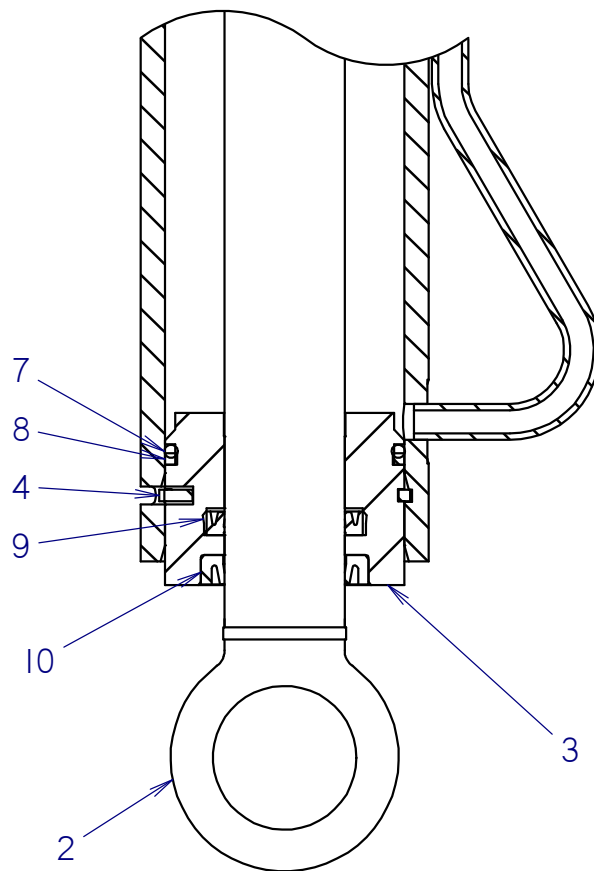
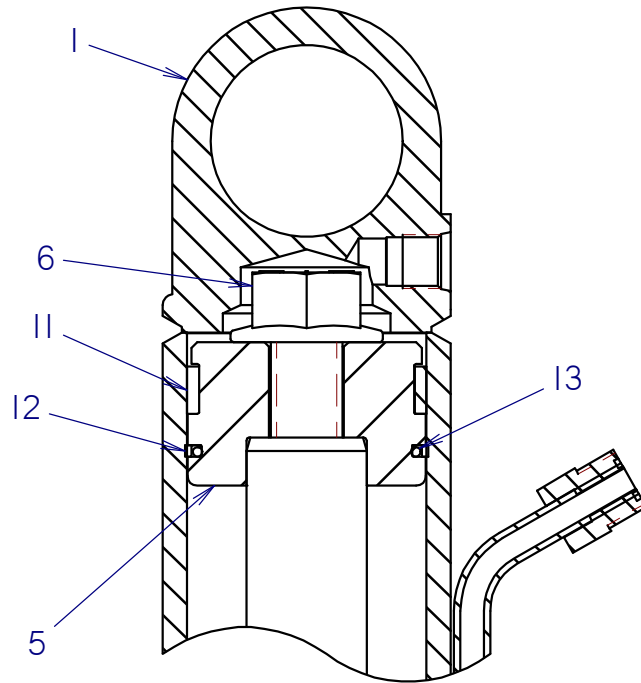
| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|--|
| | 150-4131 | | VALVE SD5-3 | |
| 1. | 500-1165 | | SPRING RETURN KIT (SD4) | |
| 2. | 500-731 | | SPOOL BONNET | |
| 3. | 500-1435 | | PLUG (SD5 THD) | |
| 4. | 157-218 | | O-RING | |
| 5. | 150-1799 | | RELIEF VALVE SD5 DIRECT ACTING | |
| 6. | | | | VENDER P/N: 5V13404020 |
| 7. | | | | VENDER P/N: 5V08404001 |
| 8. | 500-736 | | PLUG (SD5 THD) | |
| 9. | 500-1170 | | LP SLEEVE (SD5-SAE8) | |
| 10. | 499-143 | | LEVER | |
| 11. | 500-1437 | | RING (5PY) | |
| 12. | 500-1436 | | VALVE BODY | INCLUDES REF NO. 13 |
| 13. | 149-664 | | CHECK VALVE | |
| 14. | | | JOYSTICK LEVER ASSEMBLY | INCLUDES REF NO.S 15 THRU 18, VENDER P/N: 5CLO305101 |
| 15. | 499-138 | | ROD END | |
| 16. | 499-134 | | ARTICULATION HOLDER | |
| 17. | 499-135 | | RUBBER BELLOW | |
| 18. | 499-137 | | BELLOW CAP | |

NOT SHOWN:

FOOTNOTES:

NOTE:

HYDRAULIC CYL (2.5 X 1.25 X 10.0)



HYDRAULIC CYL (2.5 X 1.25 X 10.0)

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|------------------------------|----------------|
| | 150-4129 | | CYL (2.5 X 1.25 X 10.0) | |
| 1 | 150-4128 | 1 | CYLINDER BARREL (2.5 X 10.0) | |
| 2 | 300-2736 | 1 | CYLINDER ROD (1.25 X 10.0) | |
| 3 | 150-773 | 1 | CYLINDER HEAD (2.5 X 1.25) | |
| 4 | 150-779 | 1 | LOCK RING (2.5) | |
| 5 | 300-2741 | 1 | CYLINDER PISTON (2.5 X 1.25) | |
| 6 | 106-098 | 1 | FLG BOLT (3/4-NC X 2", GD8) | SEE FOOTNOTE 2 |
| 7 | 500-031 | 1 | O-RING (228 D90) | |
| 8 | 157-021 | 1 | BACKUP RING (228 D90) | |
| 9 | 157-541 | 1 | U-SEAL (1.250") | |
| 10 | 157-538 | 1 | WIPER SEAL (1.250") | |
| 11 | 125-775 | 1 | WEAR RING | |
| 12 | 157-535 | 1 | BACKUP RING (139 D90) | |
| 13 | 157-019 | 1 | O-RING (139 D90) | |

NOT SHOWN:

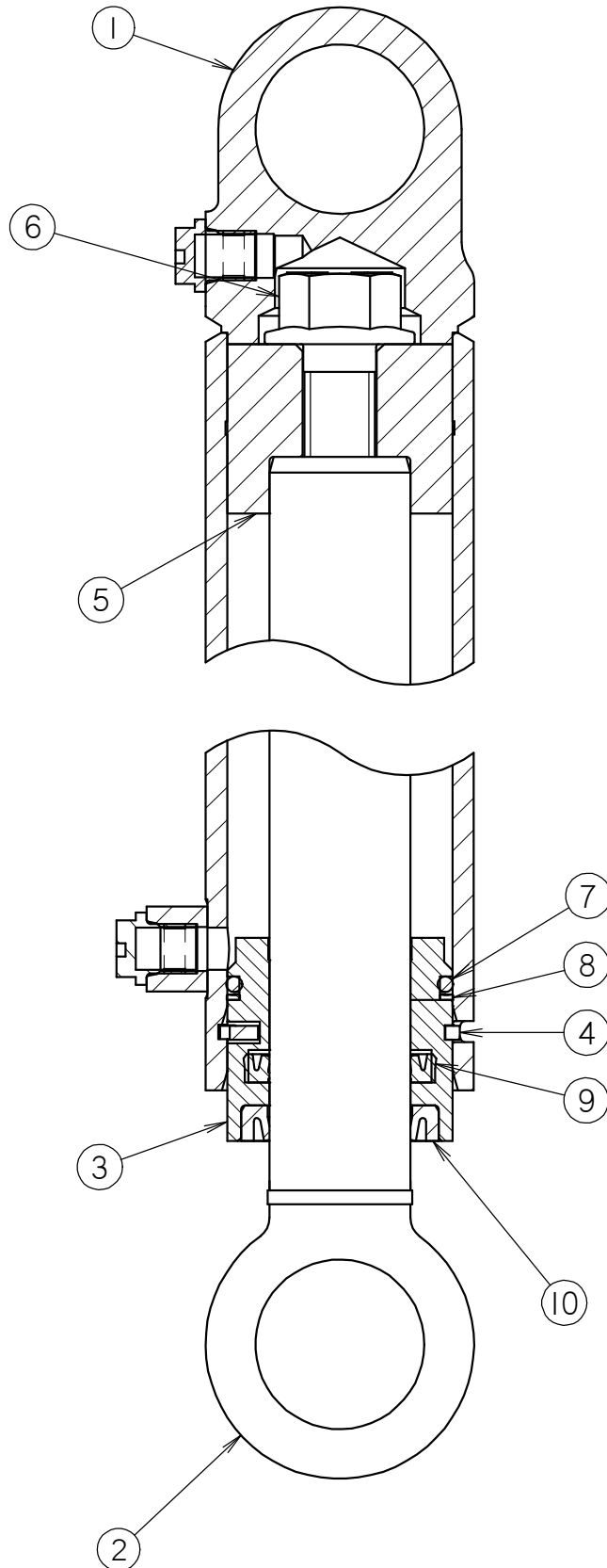
| | |
|---------|--------------------------------|
| 259-100 | U-SEAL INSTALLER (1" - 1.499") |
| 259-236 | WIPER INSTALLER (1.25") |
| 259-242 | PISTON SEAL INSTALLER (2.5") |
| 259-243 | PISTON INSTALLER (2.5") |
| 259-188 | CYL HEAD SPANNER - TWO PIN |

FOOTNOTES:

1. SEAL REPAIR KIT P/N: 190-2326
2. APPLY LOCTITE 277 OR EQUIVALENT. TORQUE TO 290-325 FT-LBS

NOTE:

HYDRAULIC CYLINDERS (2.0" X 1.25")



HYDRAULIC CYLINDERS (2.0" X 1.25")

| REF NO. | PART NUMBER | QTY | DESCRIPTION | REMARKS |
|---------|-------------|-----|--------------------------------|--------------------------|
| | 149-669 | - | CYL (2.0 X 1.25 X 2.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 152-029 | 1 | CYLINDER BARREL (2.0 X 2.0) | |
| 2 | 153-012 | 1 | CYLINDER ROD (1.25 X 2.0) | |
| | 149-670 | - | CYL (2.0 X 1.25 X 2.5) | SEE FOOTNOTES 1 & 2 |
| 1 | 149-761 | 1 | CYLINDER BARREL (2.0 X 2.5) | |
| 2 | 153-005 | 1 | CYLINDER ROD (1.25 X 2.5) | |
| | 149-671 | - | CYL (2.0 X 1.25 X 3.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-282 | 1 | CYLINDER BARREL (2.0 X 3.0) | |
| 2 | 150-435 | 1 | CYLINDER ROD (1.25 X 3.0) | |
| | 149-672 | - | CYL (2.0 X 1.25 X 4.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-290 | 1 | CYLINDER BARREL (2.0 X 4.0) | |
| 2 | 150-415 | 1 | CYLINDER ROD (1.25 X 4.0) | |
| | 151-060 | - | CYL (2.0 X 1.25 X 5.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-291 | 1 | CYLINDER BARREL (2.0 X 5.0) | |
| 2 | 150-423 | 1 | CYLINDER ROD (1.25 X 5.0) | |
| | 149-673 | - | CYL (2.0 X 1.25 X 6.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-294 | 1 | CYLINDER BARREL (2.0 X 6.0) | |
| 2 | 150-438 | 1 | CYLINDER ROD (1.25 X 6.0) | |
| | 151-057 | - | CYL (2.0 X 1.25 X 8.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-285 | 1 | CYLINDER BARREL (2.0 X 8.0) | |
| 2 | 150-427 | 1 | CYLINDER ROD (1.25 X 8.0) | |
| | 149-674 | - | CYL (2.0 X 1.25 X 10.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 152-017 | 1 | CYLINDER BARREL (2.0 X 10.0) | |
| 2 | 149-730 | 1 | CYLINDER ROD (1.25 X 10.0) | |
| | 151-032 | - | CYL (2.0 X 1.25 X 12.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 150-286 | 1 | CYLINDER BARREL (2.0 X 12.0) | |
| 2 | 150-418 | 1 | CYLINDER ROD (1.25 X 12.0) | |
| | 151-091 | - | CYL (2.0 X 1.25 X 16.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 152-027 | 1 | CYLINDER BARREL (2.0 X 16.0) | |
| 2 | 150-448 | 1 | CYLINDER ROD (1.25 X 16.0) | |
| | 151-065 | - | CYL (2.0 X 1.25 X 20.0) | SEE FOOTNOTES 1 & 2 |
| 1 | 152-011 | 1 | CYLINDER BARREL (2.0 X 20.0) | |
| 2 | 150-439 | 1 | CYLINDER ROD (1.25 X 20.0) | |
| 3 | 150-770 | 1 | CYLINDER HEAD (2.0 X 1.25) | |
| 4 | 150-778 | 1 | LOCK RING (2.0) | |
| 5 | 150-771 | 1 | CYLINDER PISTON (2.0 X 1.25) | INCL MOLDED-ON WEAR RING |
| 6 | 106-097 | 1 | FLG BOLT (5/8-NC X 1-3/4",GD8) | SEE FOOTNOTE 3 |
| 7 | 157-022 | 1 | O-RING (224 D90) | |
| 8 | 155-732 | 1 | BACKUP RING (224 D90) | |
| 9 | 157-541 | 1 | U-SEAL (1.250") | |
| 10 | 157-538 | 1 | WIPER SEAL (1.250") | |

NOT SHOWN:

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

FOOTNOTES:

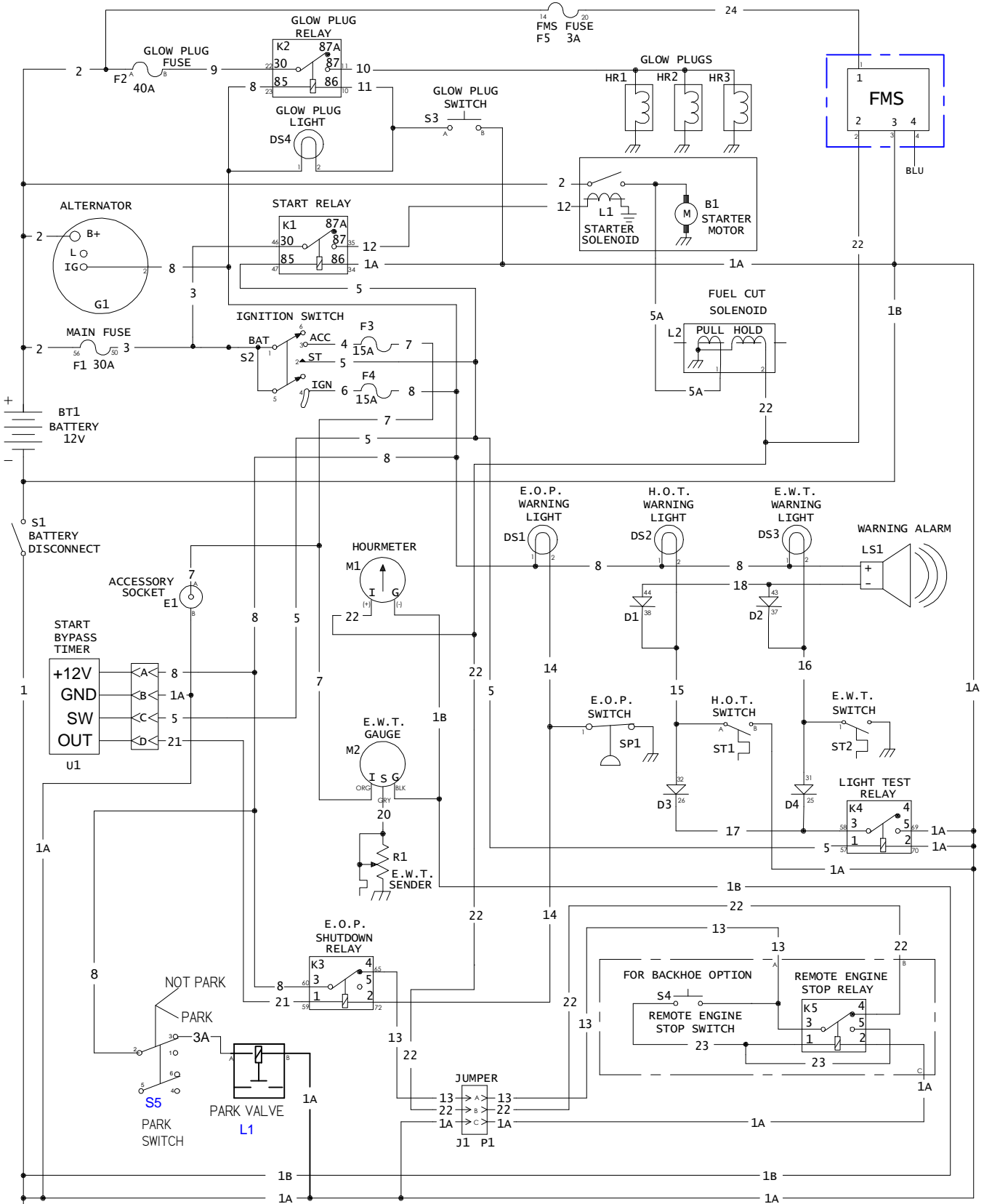
- REF. #1 & #2 ARE SPECIFIC TO EACH CYLINDER, REF. #3 THRU #10 ARE COMMON FOR ALL THE ABOVE LISTED CYLINDERS.
- SEAL KIT P/N: 190-169
- APPLY LOCTITE 277 OR EQUIVALENT, TORQUE TO 180-200 FT-LBS

NOTE:

ELECTRICAL

ELECTRICAL SCHEMATIC

SK752 (DIESEL)
SK755 (DIESEL) BEGINS WITH Sn:CMWSK755HG0001096



ELECTRICAL SCHEMATIC

SK752 (DIESEL)

SK755 (DIESEL) BEGINS WITH Sn:CMWSK755HG0001096

Component Descriptions

| Ref. # | Part # | Component | Notes |
|--------|-----------|---------------------------------|--|
| B1 | 194-873 | Starter | 12volt 1.4kw with lead wire |
| BT1 | 215-1165 | Battery | 12volt, 800CCA |
| D1 | 211-299 | Diode | ATC mini 1 amp |
| D2 | 211-299 | Diode | ATC mini 1 amp |
| D3 | 211-299 | Diode | ATC mini 1 amp |
| D4 | 211-299 | Diode | ATC mini 1 amp |
| DS1 | 217-020 | Engine oil pressure light | 217-074 lens reflector, ins.# 217-021 |
| DS2 | 217-020 | Hydraulic oil temperatue light | 217-074 lens reflector, ins.# 217-027 |
| DS3 | 217-020 | Engine water temperature light | 217-074 lens reflector, ins.# 217-051 |
| DS4 | 217-020 | Glow plug light | 217-074 lens reflector, ins.# 213-277 (Diesel engine only) |
| E1 | 214-301 | Accessory socket | 12V 5A |
| F1 | 211-295 | Main fuse | 30A Mini Fuse |
| F2 | 211-303 | Glow plug fuse | 40A ATC (Diesel engine only) |
| F3 | 211-292 | Accessory fuse | 15A Mini Fuse |
| F4 | 211-292 | Ignition fuse | 15A Mini Fuse |
| F5 | 211-289 | FMS fuse | 3A Mini Fuse |
| G1 | 213-365 | Alternator | 12V 40A (built in regulator) Side post Ends w/SN: |
| G1 | 195-1265 | Alternator | 12V 40A (built in regulator) Rear post Begins w/SN: |
| HR1 | 194-383 | Glow plug (See notes) | (Diesel engine only) |
| HR2 | 194-383 | Glow plug (See notes) | (Diesel engine only) |
| HR3 | 194-383 | Glow plug (See notes) | (Diesel engine only) |
| J1 | | Jumper plug | For remote engine kill & auxillary power (optional) |
| K1 | 211-298 | Start relay | G8W-1C7T-R-DC12 |
| K2 | 211-298 | Glow plug relay (See notes) | G8W-1C7T-R-DC12 |
| K3 | 211-297 | EOP shutdown relay | G8VL-1A4T-R-L 12VDC |
| K4 | 211-297 | Light test relay | G8VL-1A4T-R-L 12VDC |
| K5 | 211-297 | Remote engine kill relay | G8VL-1A4T-R-L 12VDC (optional) |
| L1 | See notes | Starter solenoid | Starter component |
| L2 | 217-953 | Fuel stop solenoid | Engine component (energize to run) |
| L3 | 158-627 | Solenoid Valve | Park brake |
| LS1 | 306-603 | Audio warning alarm | |
| M1 | 215-128 | Hour meter | |
| M2 | 217-512 | Engine water temperature gauge | Datcon |
| P1 | | Jumper plug | For remote engine kill & auxillary power (optional) |
| R1 | 217-565 | Engine water temperature sender | Datcon 0--280* grounds through body |
| S1 | 217-833 | Battery disconnect | EU-Standard, U.S. Option |
| S2 | 215-2013 | Ignition switch | Keys provided. (P/N |
| S3 | 306-607 | Glow plug switch Cover# 306-608 | Momentary push button (Diesel engine only) |
| S4 | 217-206 | Engine stop switch | For remote engine kill from backhoe (options) |
| S5 | 215-1597 | Park Brake Switch | DPST 12V,20A |
| SP1 | 217-952 | Engine oil pressure switch | Normally closed, opens 7PSI grounds through body |
| ST1 | 214-854 | Hydraulic oil temperatue switch | Normally open, closes @ 210°F |
| ST2 | 213-338 | Engine water temperature switch | Normally open, closes @ 230°F |
| U1 | 220-2210 | Start bypass timer | Drops power for 5 seconds after release of key |
| U2 | 190-1798 | Fleet Management System | Option |

ELECTRICAL SCHEMATIC

SK752 (DIESEL)

SK755 (DIESEL) BEGINS WITH Sn:CMWSK755HG0001096

| Circuit Descriptions | | |
|----------------------|------------|--|
| Circuit | Wire Color | Function |
| 1 | blk | High current ground |
| 1A | blk/red | Medium current ground |
| 3A | red/blu | Park Brake Power |
| 1B | blk/blu | Low current ground |
| 2 | red | Battery circuit |
| 3 | red | Fused battery circuit |
| 4 | org/brn | Accessory circuit |
| 5 | wht/blk | Start circuit |
| 5A | wht | Starter solenoid to pull circuit of fuel solenoid |
| 6 | org/blu | Ignition circuit |
| 7 | org | Fused accessory circuit |
| 8 | org/grn | Fused ignition circuit |
| 9 | red/blu | Glow plug fuse to glow plug relay |
| 10 | pur | Glow plug relay to glow plug bus bar |
| 11 | blk/yel | Glow plug switch to glow plug relay |
| 12 | pur | Start relay to starter solenoid |
| 13 | org/wht | EOP shutdown relay to jumper plug, E-stop switch, & E-stop relay |
| 14 | wht/blu | EOP switch to EOP warning light & EOP shutdown relay |
| 15 | gra/blk | HOT switch to HOT warning light, D1 cathode, & D3 anode |
| 16 | wht/grn | EWT switch to EWT warning light, D2 cathode, & D4 anode |
| 17 | gra/yel | Light test relay to diode #'s D3 & D4 cathodes |
| 18 | blu/yel | D1 & D2 anodes to warning alarm ground circuit |
| 19 | | Not used |
| 20 | grn | EWT sending unit to EWT gauge |
| 21 | blu/wht | Start bypass timer to EOP shutdown relay |
| 22 | org/gra | Jumper plug to hour meter & hold circuit of fuel solenoid |
| 23 | yel/red | Engine stop switch to engine stop relay (backhoe option) |
| 24 | red/wht | FMS Power |

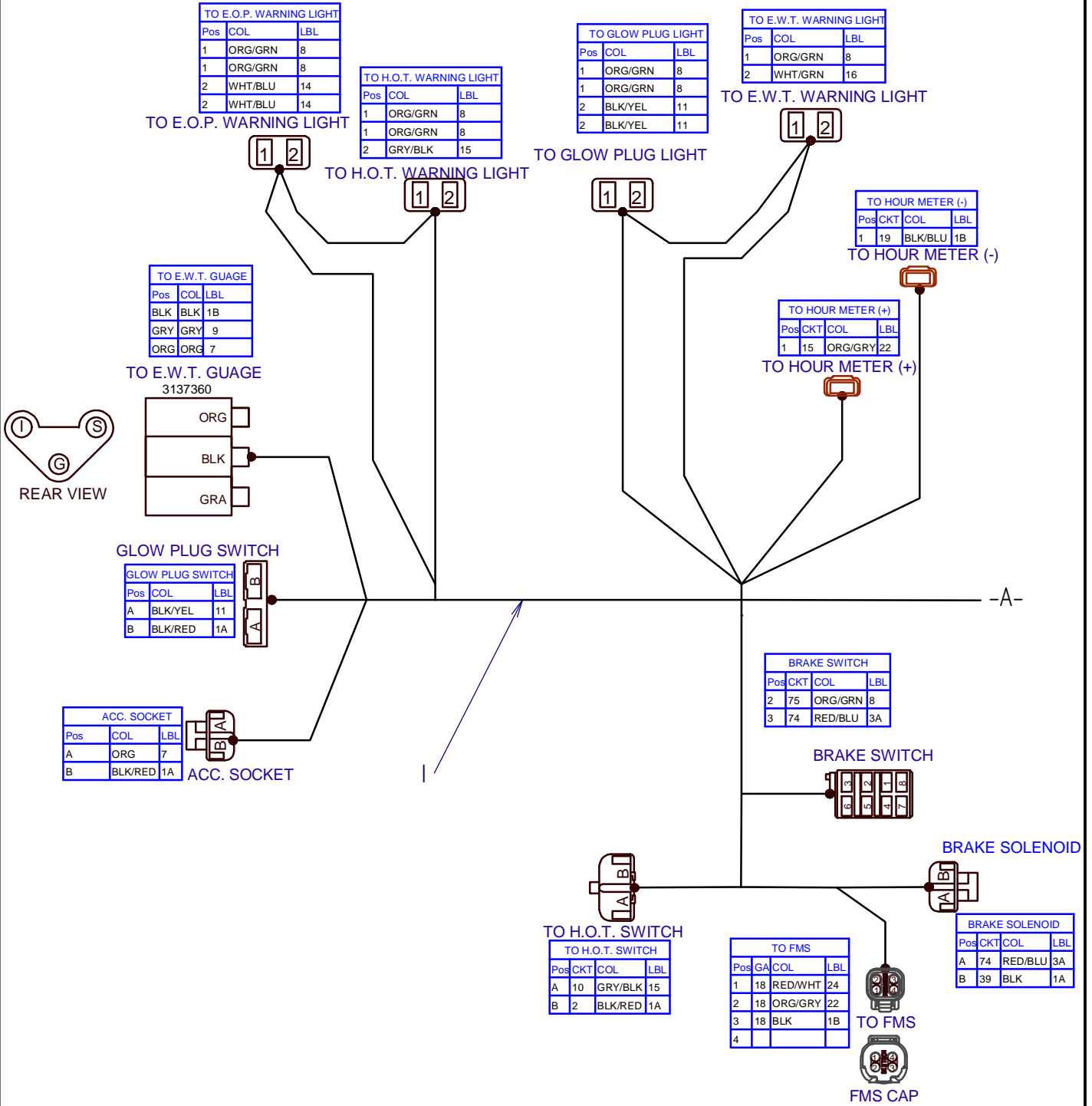
ELECTRICAL SCHEMATIC

SK752 (DIESEL)

SK755 (DIESEL) BEGINS WITH Sn:CMWSK755HG0001096

| Wire Harness | | | |
|--------------|----------|----------|--|
| Ref. # | Part # | Quantity | Description |
| 1 | 215-0049 | 1 | SK752 Frame Harness |
| 1 | 215-0049 | 1 | SK755 Starts w/Sn: |
| 2 | 215-0067 | 1 | Pos. Battery Cable (1 ga. X 24" , Red) |
| 3 | 215-2093 | 1 | Neg. Battery Cable (1 ga. X 24" , Black) |
| 4 | 215-1626 | 1 | Ground Strap Braided 13.5" |

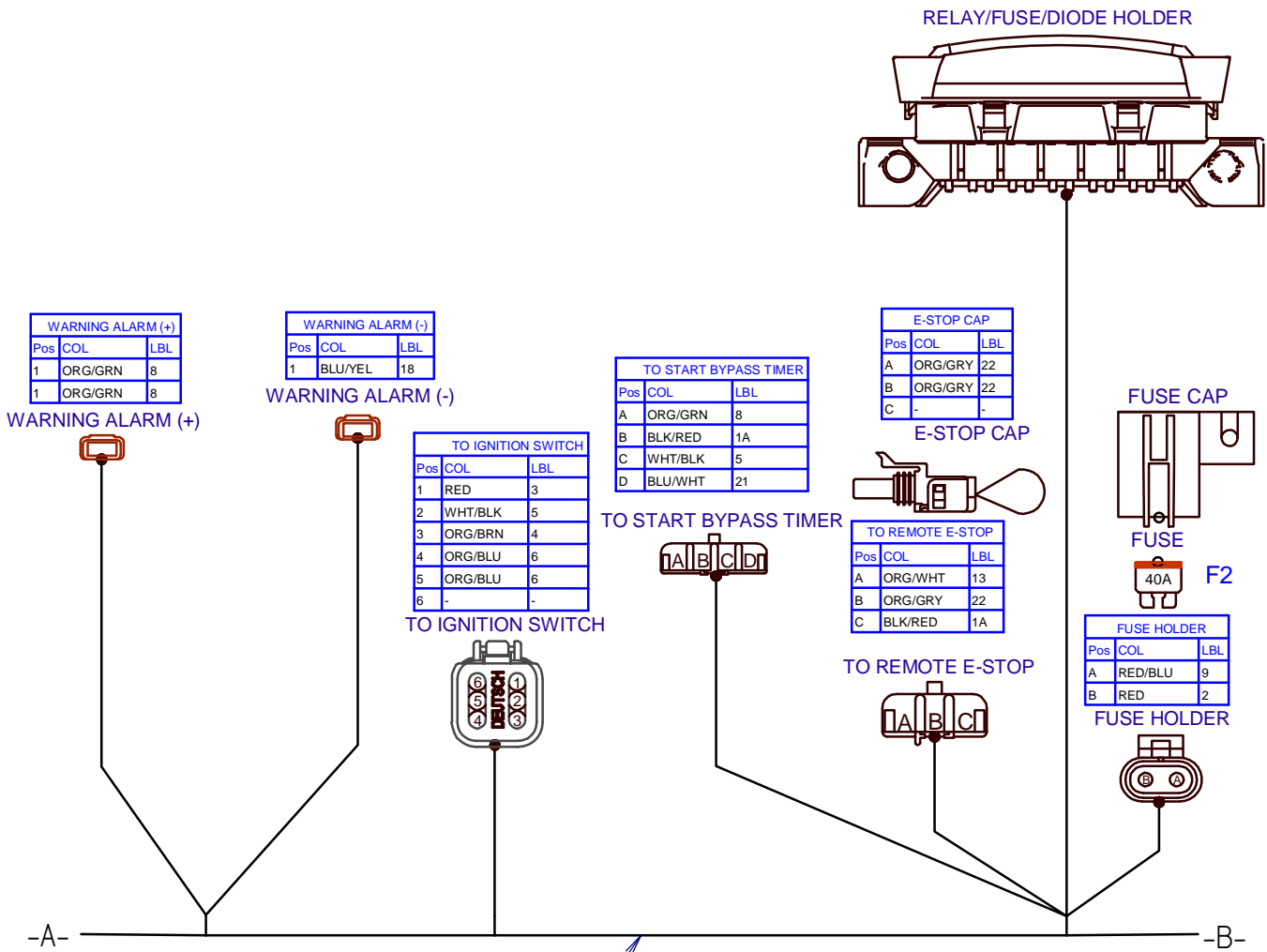
ELECTRICAL DIAGRAM ENGINE/FRAE HARESS SK752



ELECTRICAL DIAGRAM

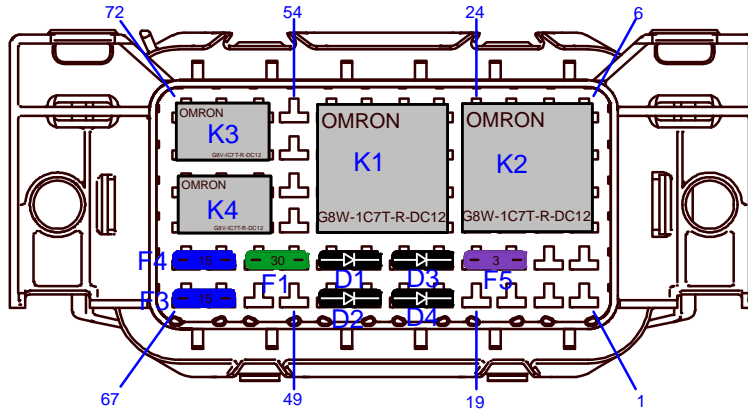
ENGINE/FRAME HARESS

SK752



ELECTRICAL DIAGRAM ENGINE/FRAE HARESS SK752

- FUSES & RELAYS
- K1-START RELAY
- K2-GLOW PLUG RELAY
- K3-E.O.P. SHUTDOWN RELAY
- K4-LIGHT TEST RELAY
- F1-MAIN FUSE-30A
- F2-GLOW PLUG FUSE-40A
- F3-ACCY FUSE-15A
- F4—IGN FUSE-15A
- F5- FMS FUSE-3A
- D1-D4- 1A DIODES



| RELAY/FUSE/DIODE HOLDER | | | |
|-------------------------|---------|---------|-----|
| Pos | COL | Type | LBL |
| 1 | | CavPlug | - |
| 2 | | CavPlug | - |
| 3 | | CavPlug | - |
| 4 | | CavPlug | - |
| 5 | | CavPlug | - |
| 6 | | CavPlug | - |
| 7 | | CavPlug | - |
| 8 | | CavPlug | - |
| 9 | | CavPlug | - |
| 10 | BLK/YEL | | 11 |
| 11 | PUR | | 10 |
| 12 | | CavPlug | - |
| 13 | | CavPlug | - |
| 14 | RED | | 2 |
| 15 | | CavPlug | - |
| 16 | | CavPlug | - |
| 17 | | CavPlug | - |
| 18 | | CavPlug | - |
| 19 | | CavPlug | - |
| 20 | RED/WHT | | 24 |
| 21 | | CavPlug | - |
| 22 | RED/BLU | | 9 |
| 23 | ORG/GRN | | 8 |
| 24 | | CavPlug | - |
| 25 | GRY/YEL | | 17 |

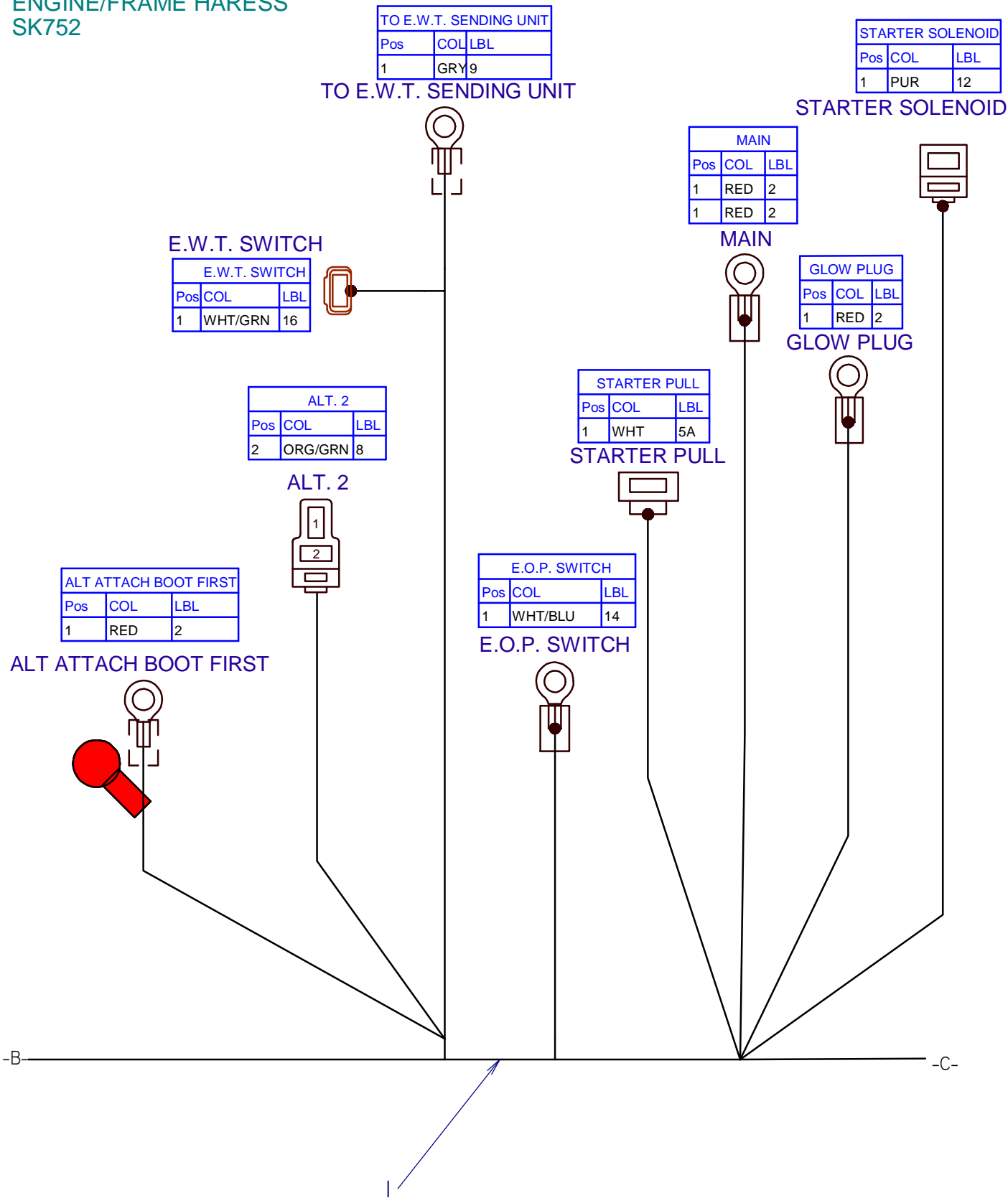
| RELAY/FUSE/DIODE HOLDER | | | |
|-------------------------|---------|---------|-----|
| Pos | COL | Type | LBL |
| 26 | GRY/YEL | | 17 |
| 27 | | CavPlug | - |
| 28 | | CavPlug | - |
| 29 | | CavPlug | - |
| 30 | | CavPlug | - |
| 31 | WHT/GRN | | 16 |
| 32 | GRY/BLK | | 15 |
| 33 | | CavPlug | - |
| 34 | BLK/RED | | 1A |
| 35 | PUR | | 12 |
| 36 | | CavPlug | - |
| 37 | WHT/GRN | | 16 |
| 38 | GRY/BLK | | 15 |
| 39 | | CavPlug | - |
| 40 | | CavPlug | - |
| 41 | | CavPlug | - |
| 42 | | CavPlug | - |
| 43 | BLU/YEL | | 18 |
| 44 | BLU/YEL | | 18 |
| 45 | | CavPlug | - |
| 46 | RED | | 3 |
| 47 | WHT/BLK | | 5 |
| 48 | | CavPlug | - |
| 49 | | CavPlug | - |
| 50 | RED | | 3 |

| RELAY/FUSE/DIODE HOLDER | | | |
|-------------------------|---------|---------|-----|
| Pos | COL | Type | LBL |
| 51 | | CavPlug | - |
| 52 | | CavPlug | - |
| 53 | | CavPlug | - |
| 54 | | CavPlug | - |
| 55 | | CavPlug | - |
| 56 | RED | | 2 |
| 57 | WHT/BLK | | 5 |
| 58 | GRY/YEL | | 17 |
| 59 | BLU/WHT | | 21 |
| 60 | ORG/GRN | | 8 |
| 61 | ORG | | 7 |
| 62 | ORG/GRN | | 8 |
| 63 | | CavPlug | - |
| 64 | | CavPlug | - |
| 65 | ORG/WHT | | 13 |
| 66 | | CavPlug | - |
| 67 | ORG/BRN | | 4 |
| 68 | ORG/BLU | | 6 |
| 69 | BLK/RED | | 1A |
| 70 | BLK/RED | | 1A |
| 71 | | CavPlug | - |
| 72 | WHT/BLU | | 14 |

ELECTRICAL DIAGRAM

ENGINE/FRAME HARESS

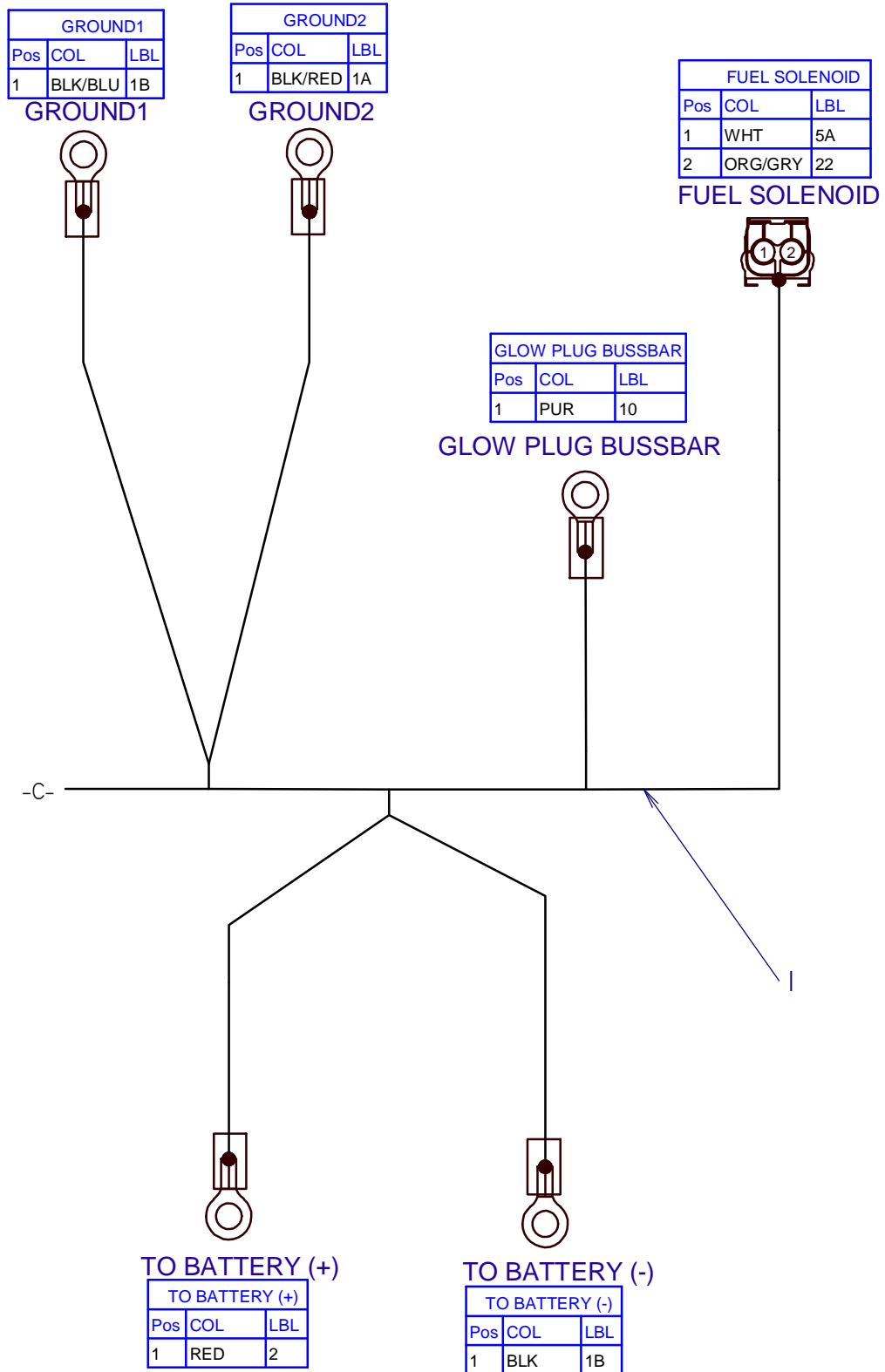
SK752



ELECTRICAL DIAGRAM

ENGINE/FRAME HARNESS

SK752



ELECTRICAL DIAGRAM

ENGINE/FRAME HARESS

SK752

| REF | PART | | | | |
|-----|----------|-----|---------------|--|---------|
| NO. | NUMBER | QTY | DESCRIPTION | | REMARKS |
| 1 | 215-0049 | 1 | FRAME HARNESS | | |

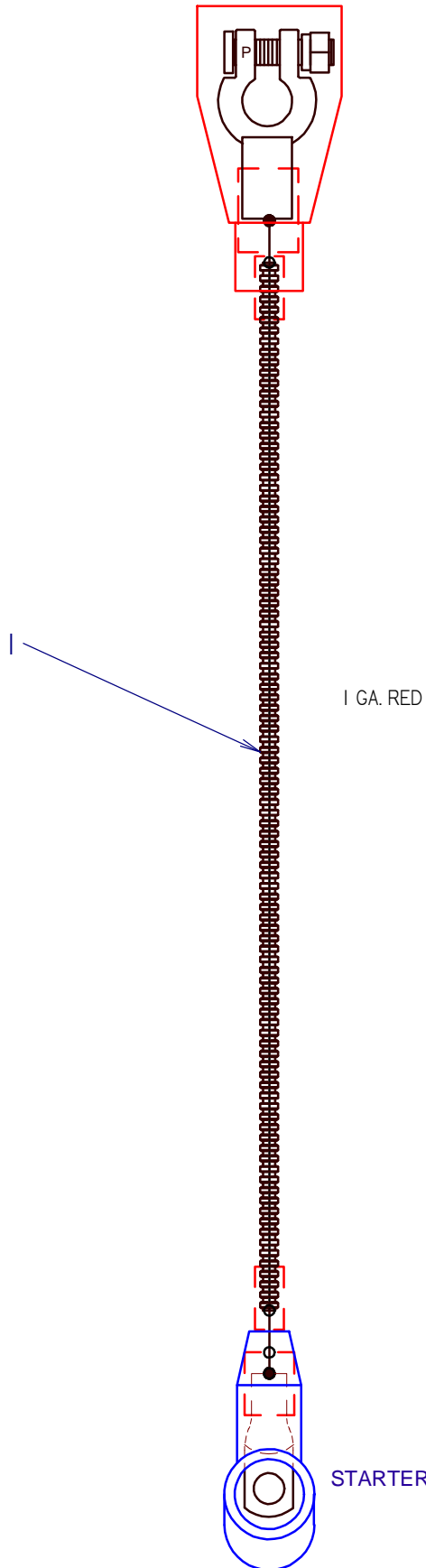
NOT SHOWN:

FOOTNOTES:

NOTE:

ELECTRICAL DIAGRAM
SK752
POS. BATTERY CABLE-24"

POSITIVE (+) SIDE POST MOUNT



ELECTRICAL DIAGRAM

SK752
POS. BATTERY CABLE-24"

| REF | PART | | | | REMARKS |
|-----|----------|-----|--|--|---------|
| NO. | NUMBER | QTY | DESCRIPTION | | |
| 1 | 215-0067 | 1 | POS. BATTERY CABLE 1 GA. X 24" , (RED) | | |

NOT SHOWN:

FOOTNOTES:

NOTE:

MISCELLANEOUS

SAE Bolt and Nut Torque Value Chart

Grade 5: UNC or UNF Thread

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

Grade 8: UNC or UNF Thread

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

*drilled and tapped

Metric Bolt and Cap Screw Torque Values

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

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

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

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

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

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

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

Hydraulic Cylinder Bolt Torque Chart

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

As a general rule:

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

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

SAE & ORS Hydraulic Fitting Replacement O-Ring Chart

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

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

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

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

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

SK752

Related Publications

| Component | Ass'y | P/N |
|----------------------|---|-----------------------|
| Model: | | |
| SK752..... | Parts Manual | 053-2864 |
| SK752..... | Operators Manual..... | 053-2859 |
| SK752..... | Technical Information: | |
| | Component Repair Manual | _____ |
| | Troubleshooting Manual..... | _____ |
| Engine: | | |
| Kubota 24.8 hp | Parts Manual – D1105T T4..... | 195-1188.....053-1338 |
| Kubota | Operation Manual – D1105B/D1105T T4i | 053-1337 |
| Kubota | Service (Shop) Manual – D1105B/D1105T T4i | 055-051 |

Filters

| | | |
|-------------------------------------|--|---------|
| Engine: | | |
| Air Filter Parts Assembly | | 194-093 |
| Element (primary) | | 194-038 |
| Element (secondary) | | 194-039 |
| Oil Filter Element (spin-on) | | 194-881 |
| Fuel Filter (05H-05H, in-line)..... | | 155-941 |
| Fuel Filter Element (spin-on)..... | | 194-386 |
| Hydraulic Oil Filter: | | |
| Filter Element (1-UNF) | | 149-412 |

Optional Kits

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



Parts Manual Change Request

(Please print clearly)

Date: _____ Dealer No. (required): _____

Your Name: _____ Position: _____

Phone: _____ Fax: _____ E-mail: _____

Publication Information:

Parts Manual No.: _____ - _____ Model: _____

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|------------------------|------------------|
| Illustration Part No.: | Manual Page No.: |
| 1. _____ - _____ | 1. _____ |
| 2. _____ - _____ | 2. _____ |
| 3. _____ - _____ | 3. _____ |

Nature of Change Request:

- Text
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Describe change requested (if possible, include copy of publication page with changes marked.):

**Please fax completed form to
Parts Manual Department (580) 572-3525**

Thank you for taking the time to submit this request. We will contact you if further information is needed to process your request.

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Ditch Witch
Equipment Owners:**

If your equipment was purchased through a Ditch Witch dealer, there is no need to read further.

However, if you purchased from any other source, please fill out the form on the reverse side and return it to us.

This will enable you to receive updates on this equipment as well as information on new products of interest.

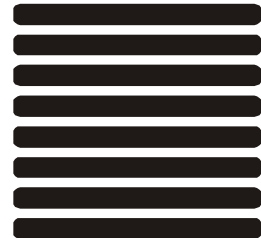
Thanks for using Ditch Witch equipment.

(Please Fold Along This Line And Seal At Bottom With Tape)



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Serial Numbers

Attachments/Accessories

Serial Numbers

Attachments/Accessories

Serial Numbers

Name of Ditch Witch Dealership

Your Signature