RT1200 Trencher
Parts Catalog
AU117657

L10A



IMG_3182

This unit first became available January, 2009.

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LOCATION OF SERIAL AND PRODUCT IDENTIFICATION NUMBERS

Write your machine Product Identification Number (P.I.N.) and Serial Numbers on the lines provided below. If needed, give these numbers to your dealer when you need parts or information for your machine.

PRODUCT IDENTIFICATION NUMBER (P.I.N.)
(Plate is located on the left side of frame.)

TRENCHER SERIAL NUMBER
(Located on left-hand side of trencher frame)

ROPS SERIAL NUMBER
(Plate is located inside operators compartment at the bottom of the front left support.)



IMG_3180

BACKHOE SERIAL NUMBER
(Plate is located on left-hand side of frame near foot.)

ENGINE SERIAL NUMBER
(Plate is located on top of engine.)

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ENGINE 2



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NUMERICAL
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GENERAL INFORMATION

Indexes

Section 1 of this catalog contains a serial number (SN) and product identification number (P.I.N.) location guide and an alphabetical index. An alphabetical index also appears at the beginning of each section. Section 10 is the Numerical Index which lists all part numbers in alpha/numeric order with their page location and reference number.

Illustrations

The arrangement of this parts catalog is for easy identification of parts. All parts are illustrated in “exploded views” in proper relation to each other. Reference numbers used in the illustrations refer to those on the text pages. The text pages list reference number, part number, part description and the quantity required.

Abbreviations

P.I.N. = “Product Identification Number”

SN = “Serial Number”

NSS = “Not Serviced Separately” in the part number column indicates this part is not available for service.

REF = “Reference” in the part number column indicates this part has special service information. The page where this information can be found is given in the part description column.

UAR = “Use As Required” in the quantity required column indicates the number of parts used is determined by service needs.

Right-Hand and Left-Hand Identification

The reference to right-hand and left-hand in this catalog is identified by the operator standing at the rear of the basic unit, looking toward the front of the machine (in normal forward travel). For pages covering any machine attachments, right-hand and left-hand are defined by the operator sitting in the position for proper operation of the attachment.

Catalog Revisions and Supplements

Continuing product improvements make it necessary to publish revisions of this catalog occasionally. The issue date appears on the front cover and on each diagrams partslist page. The machine shown in this manual may differ slightly from your machine, but will be similar enough to help you understand the components. Always refer to your Astec Dealer for the latest information prior to ordering parts for your machine.

Parts Orders

Orders must specify product model, all necessary serial numbers, correct part number, complete description, quantity required, method of shipment, and shipping address.

Text Format Explanation

An assembly may contain service items. The component parts of an assembly or subassembly may be indented. The quantity required column lists the number of assemblies required for a completed machine, and the number of components required in a complete assembly or subassembly.

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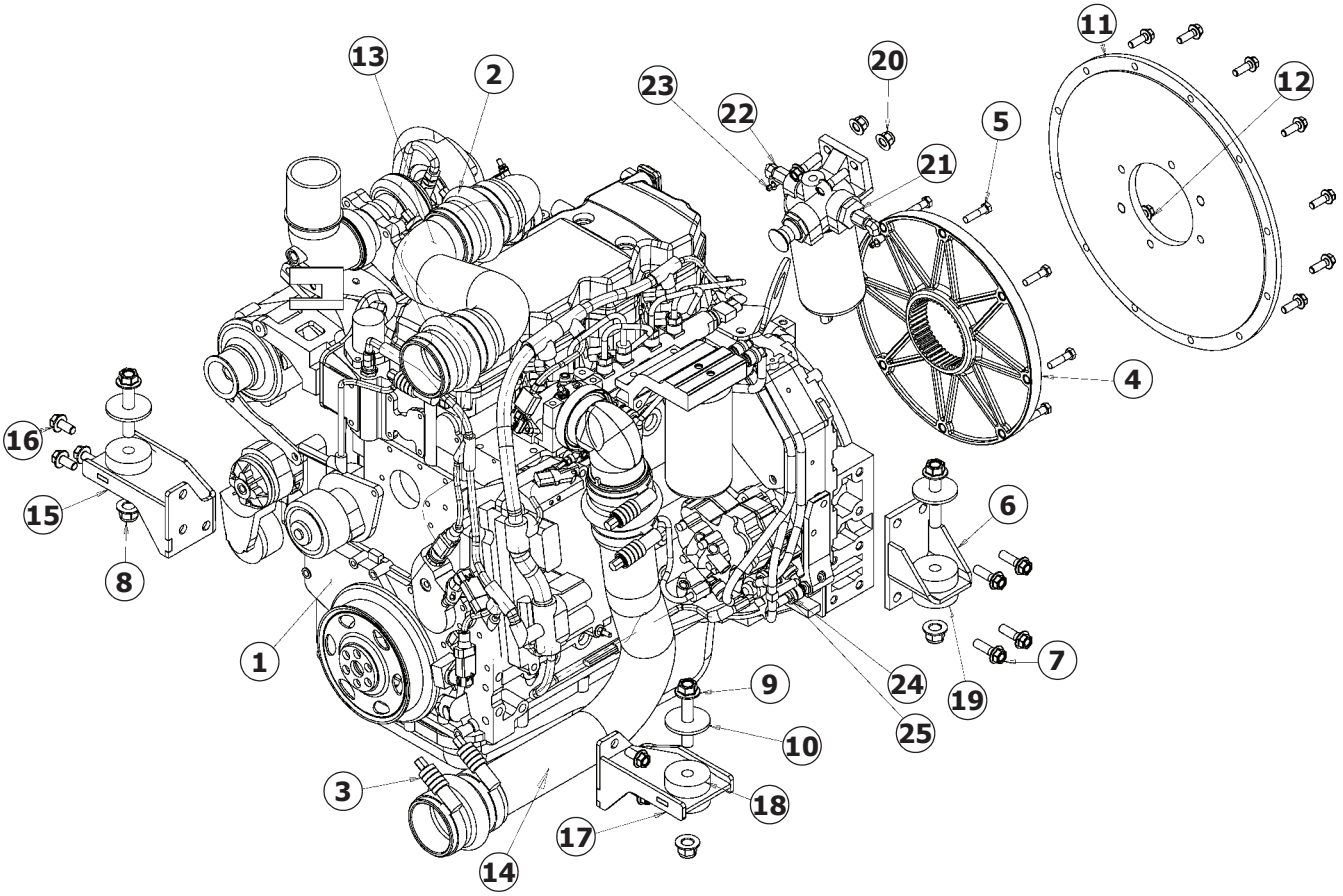
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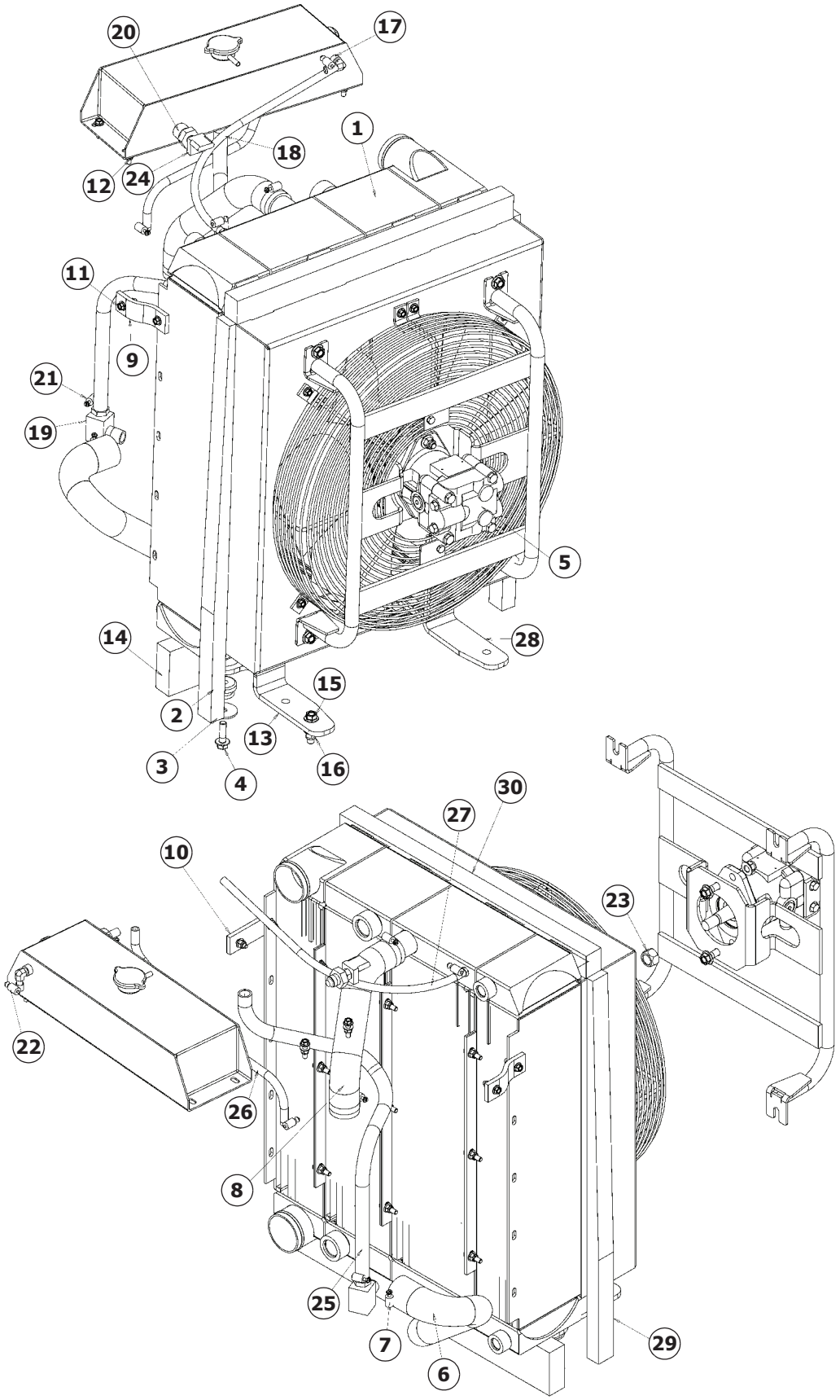
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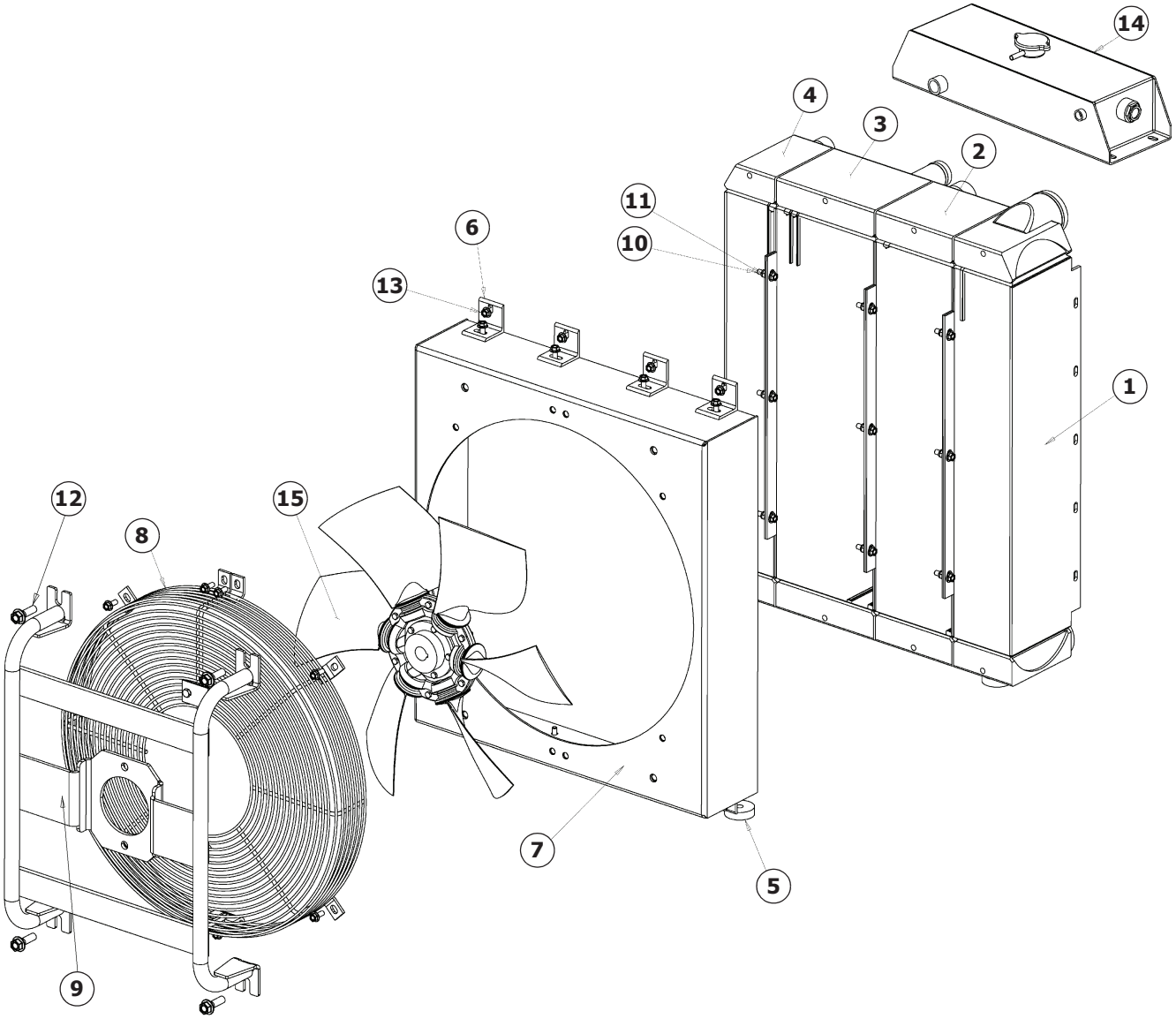
ENGINE MOUNTING

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116570	ENGINE ASSEMBLY	1
1	AU116124	ENGINE - 121 HP Cummins	1
2	21000205	HUMP HOSE CONNECTOR - 3.00” ID x 4.38” Long	4
3	21001153	CLAMP - Constant Torque - 2.75” Min, 3.63” Max	8
4	8PD92006	COUPLER - Flange, Bowex T65/FLE-PA/SAE1.5”	1
5	426-624	BOLT - Hex Hd .375 x 1.50 GR5 ZND	8
6	AU116622	MOUNT - Motor, Rear	2
7	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	10
8	AU100529	NUT, METRIC FLANGE PREVAILING - M16, Zinc	4
9	AU100366	SCREW, METRIC FLANGE w/BODY - M16 x 90	4
10	496-81025	WASHER - .656 x 2.500 x .188 in HDN ZND	4
11	360643A1	PLATE - Pump Mount, SAE #3 Hsg, SAE “C” Pump	1
12	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	12
13	AU119091	PIPE - Charge Air	1
14	AU119092	PIPE - Charge Air	1
15	AU116623	WELDMENT - Engine Mount, LH Front	1
16	AU100414	SCREW, METRIC FLANGE FULL - M12 x 25	6
17	AU116649	WELDMENT - Engine Mount, RH Front	1
18	AU116661	MOUNT - Engine, Yellow Dot	2
19	AU116662	MOUNT - Engine, Green Dot	2
20	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	2
21	AU120770	BUSHING, REDUCER w/SEAL - M12 x 1.5 x 1/4” NPT	2
22	217-293	ELBOW - 90 Hose Stem 3/8 ID x 1/4 NPTF	2
23	214-1704	CLAMP - Hose Type M #04	2
24	AU121717	SEAL - M12 Fuel Fitting	1
25	AU121716	FITTING, FUEL HOSE BARB - M12 x 3/4” Hose ID	1


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ENGINE COOLING GROUP

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118622	ENGINE COOLING GROUP	1
1	AU118976	ASSEMBLY - Engine Cooling Package	1
2	L13142	MOUNT - Engine	2
3	496-81018	WASHER - 0.521 x 2.000 x 0.134 in Hdn ZND	2
4	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	4
5	AU118007	MOTOR - Hydraulic 25CC	1
6	AU119136	HOSE - Radiator, Lower	1
7	214-1432	CLAMP - Hose, Type F #32	4
8	AU119135	HOSE - Radiator, Upper	1
9	H433231	STRAP - Radiator Mounting	1
10	H433231	STRAP - Radiator Mounting	1
11	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	8
12	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	8
13	AU118674	PLATE - Electrical Mount	1
14	AU117160	FOAM - Insulation	1
15	AU100348	SCREW, METRIC FLANGE w/BODY - M12 x 50	1
16	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	3
17	217-293	ELBOW - 90 Hose Stem 3/8 ID x 1/4 NPTF	2
18	217-155	STEM - Str Bead Hose 3/4 ID x 3/4 NPTF	2
19	221-1415	ELBOW - 90 3/4 NPTF Male/Fem M I Galv	1
20	65-CI-1725	BUSHING, INTERNAL/EXTERNAL - Reducer, NPT	1
21	214-1420	CLAMP - Hose, Type F #20	2
22	214-1408	CLAMP - Hose, Type F #08	4
23	05-SLN3/4NF	NUT - Lock, Stover	1
24	AU120127	SENSOR - Coolant Level	1
25	AU120152	HOSE - Silicon	1
26	AU120153	HOSE - Fuel	1
27	AU120154	HOSE - Fuel	1
28	AU121682	PLATE - Electrical Mount	1
29	AU122085	FOAM - Baffle	2
30	AU122086	FOAM - Baffle	1


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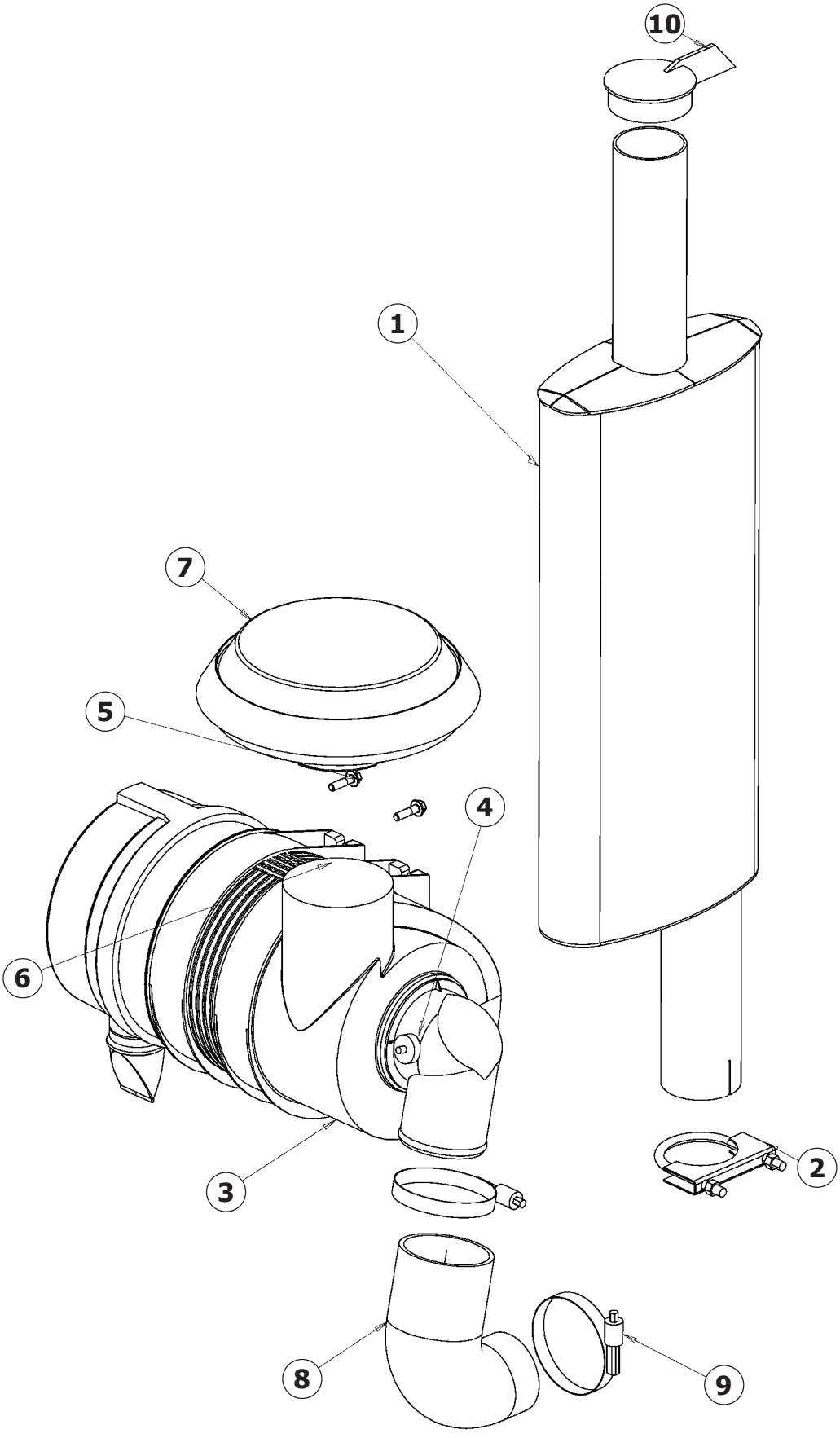
ENGINE COOLING PACKAGE

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1	AU119102	COOLER - Charge Air	1
2	AU119103	COOLER - Oil	1
3	AU119098	COOLER - Radiator	1
4	AU119101	COOLER - Transmission Oil	1
5	AU119100	PLATE - Mounting	2
6	AU119099	ANGLE - Bracket	8
7	AU118977	WELDMENT - Fan Shroud	1
8	AU118001	ASSEMBLY - Fan Guard (22")	1
9	AU118893	MOUNT - Motor, Cooling Package	1
10	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	18
11	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc.	18
12	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	4
13	AU100872	SCREW, METRIC FLANGE w/BODY - M8 x 20	24
14	AU118080	ASSEMBLY - Fill / Surge Tank	1
15	AU118000	FAN - 22"	1

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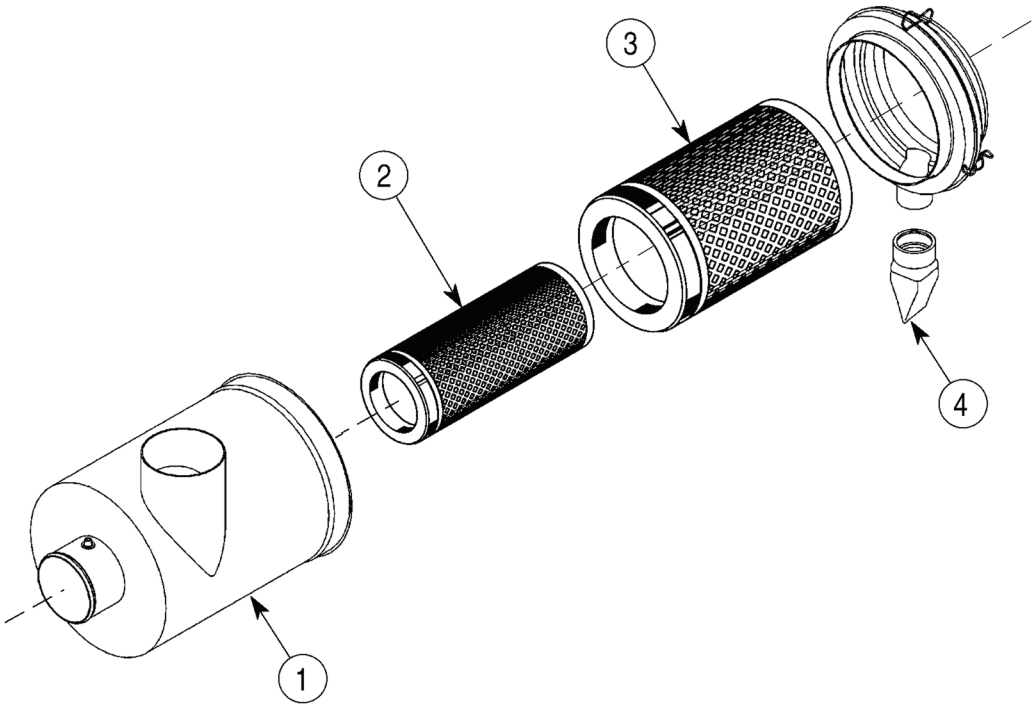
FLUIDS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU120666	FLUIDS	. . . REF
1	331-500	ANTIFREEZE - 1 Gal 50/50 Mixture w/Water	5
2	30-HYDRAULIC_OIL	HYDRAULIC OIL - 1 Gal AW46	50
3	331-70	OIL - 1 lb SAE 90 EP XMSN	67
4	331-45	GREASE - 1 lb Special Tractor	3
5	331-9	DIESEL - 1 Gal, Grade ID	10
6	21001244	OIL - Transmission, 1 Gal	3


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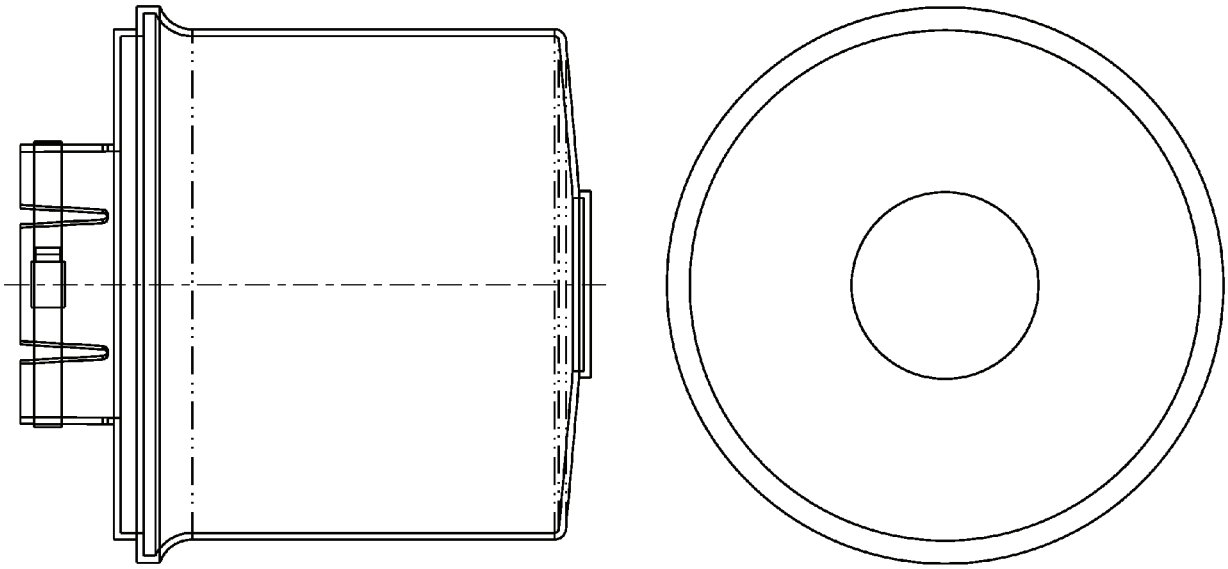
ENGINE AIR INTAKE AND EXHAUST SYSTEM

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116630	INTAKE AND EXHAUST GROUP	REF
1	AU121873	MUFFLER - Exhaust	1
2	AU111840	CLAMP, U-BOLT - Standard, 3.0" OD, Double Round Band	1
3	8NG10018-03	ASSEMBLY - Air Cleaner	1
4	8NG10018-07	MOUNT - Air Cleaner	2
5	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	4
6	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc.	4
7	AU114458	COVER - Rain Cap, Air Cleaner	1
8	AU116832	HOSE - Intake	1
9	AU102431	CLAMP - Constant Torque, 3-1/4" Min x 4-1/8" Max	2
10	AU121736	CAP - Rain, Exhaust, Silent Nylon Stops	1


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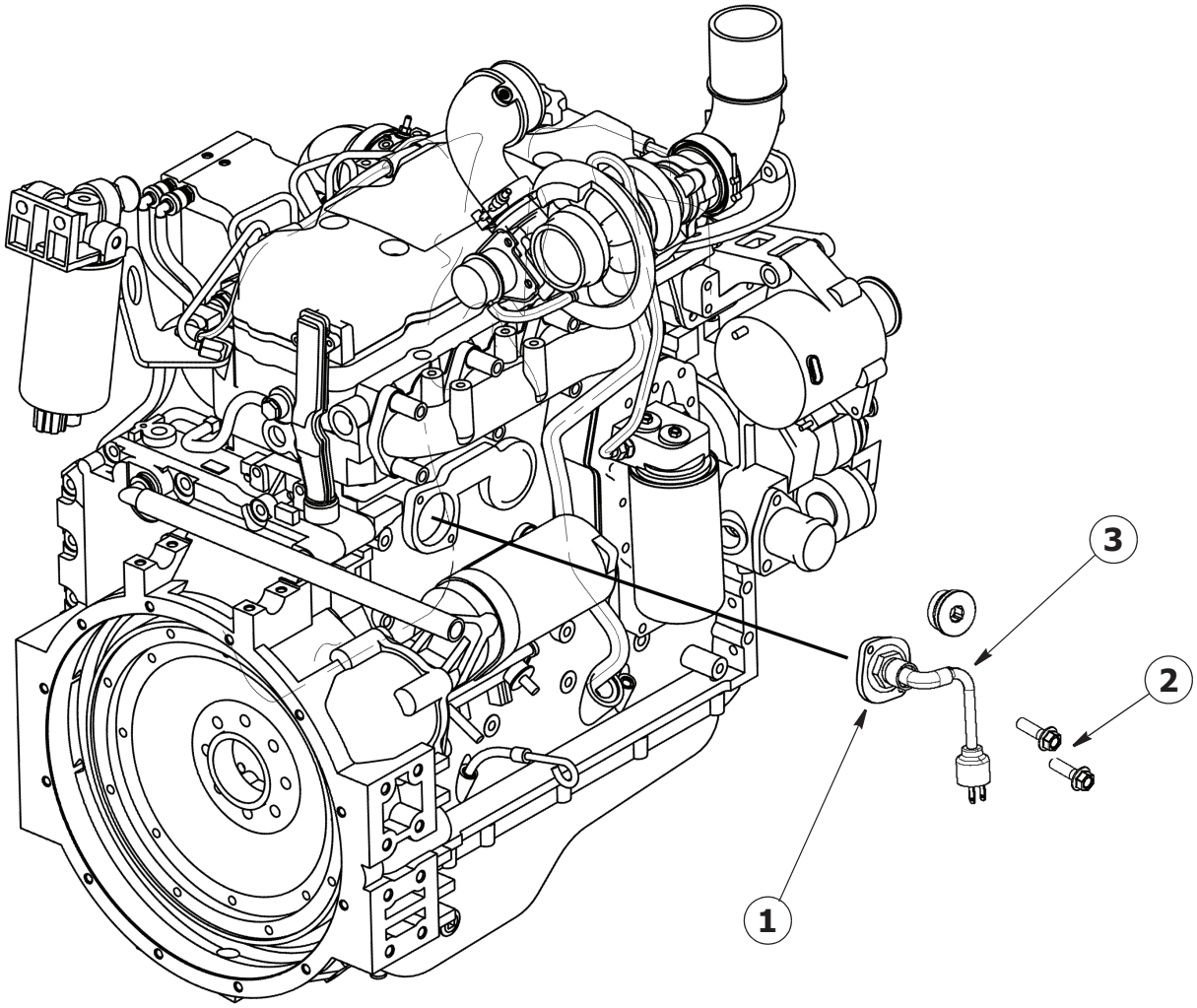
BREATHER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
1	8NG10018-03	ASSEMBLY - Breather	1
2	8NG10018-4	ELEMENT - Filter, Primary	1
3	8NG10018-5	ELEMENT - Filter, Secondary	1
4	NSS	CAP - Dust Cover	1



PRE-CLEANER
(Optional)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU118756	PRE-CLEANER	1


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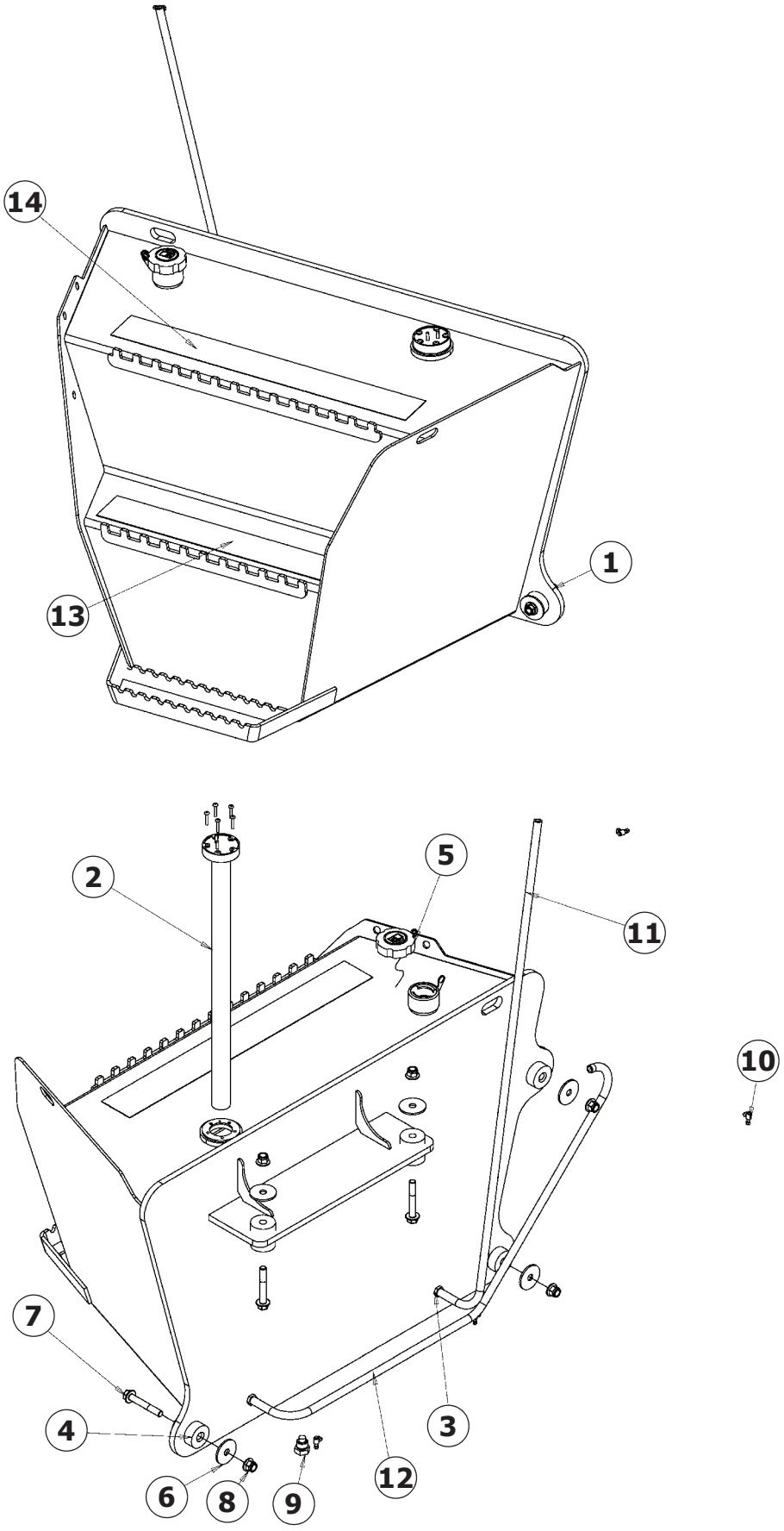
ENGINE BLOCK HEATER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119492	KIT - Heater, Engine Block	1
1	AU119491	HEATER - Engine Block, 12V	1
2	AU100395	SCREW - M8 x 16	2
3	AU122134	CORD - Coolant Heater	1

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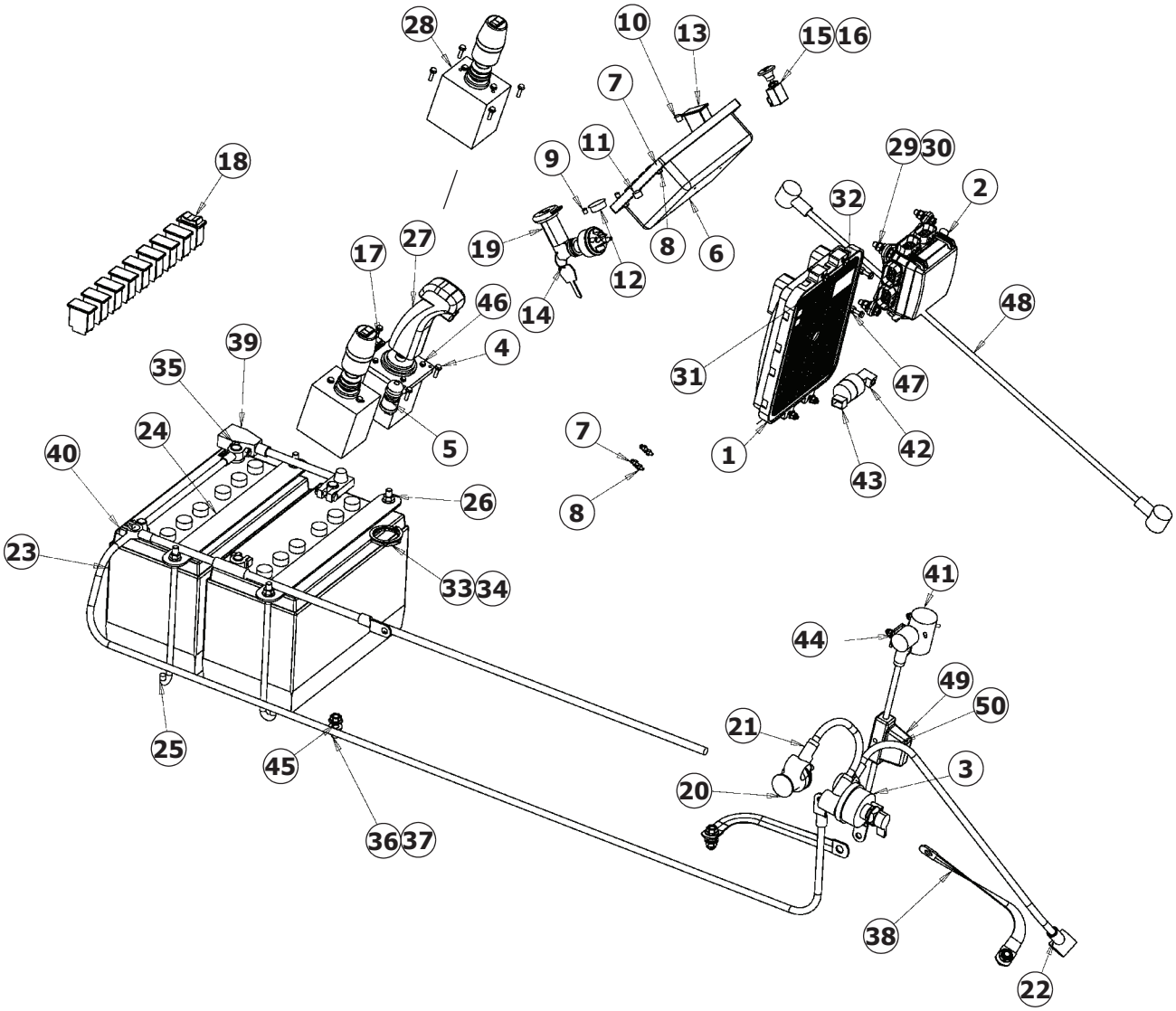
FUEL LINES - TANK

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118024	Tank Assy - Fuel	1
1	AU118025	Weldment - Fuel Tank	1
2	21000893	Sender - Fuel Level 25"	1
3	8TA60006	Stem - Str Bead Hose 3/8 ID x 9/16 - 18	2
4	8NG28121	Isolator - Universal Mounting	5
5	AU102188	Cap - Diesel Fuel w/Lock	1
6	496-81018	Washer - 0.521 x 2.000 x 0.134 in Hdn ZND	5
7	AU100353	Screw, Metric Flange w/Body - M12 x 80	5
8	AU100528	Nut, Metric Flange Prevailing - M12 Zinc	5
9	AU119908	Plug, Magnetic - Hex Head	1
10	214-1704	Clamp - Hose Type M #04	4
11	109674A1	Hose - Fuel Return	1
12	109674A1	Hose - Fuel Supply	1
13	AU105912	Anti-Skid Tape Strip - Lower Step	1
14	H433994	Anti-Skid Tape Strip - Upper Step	1

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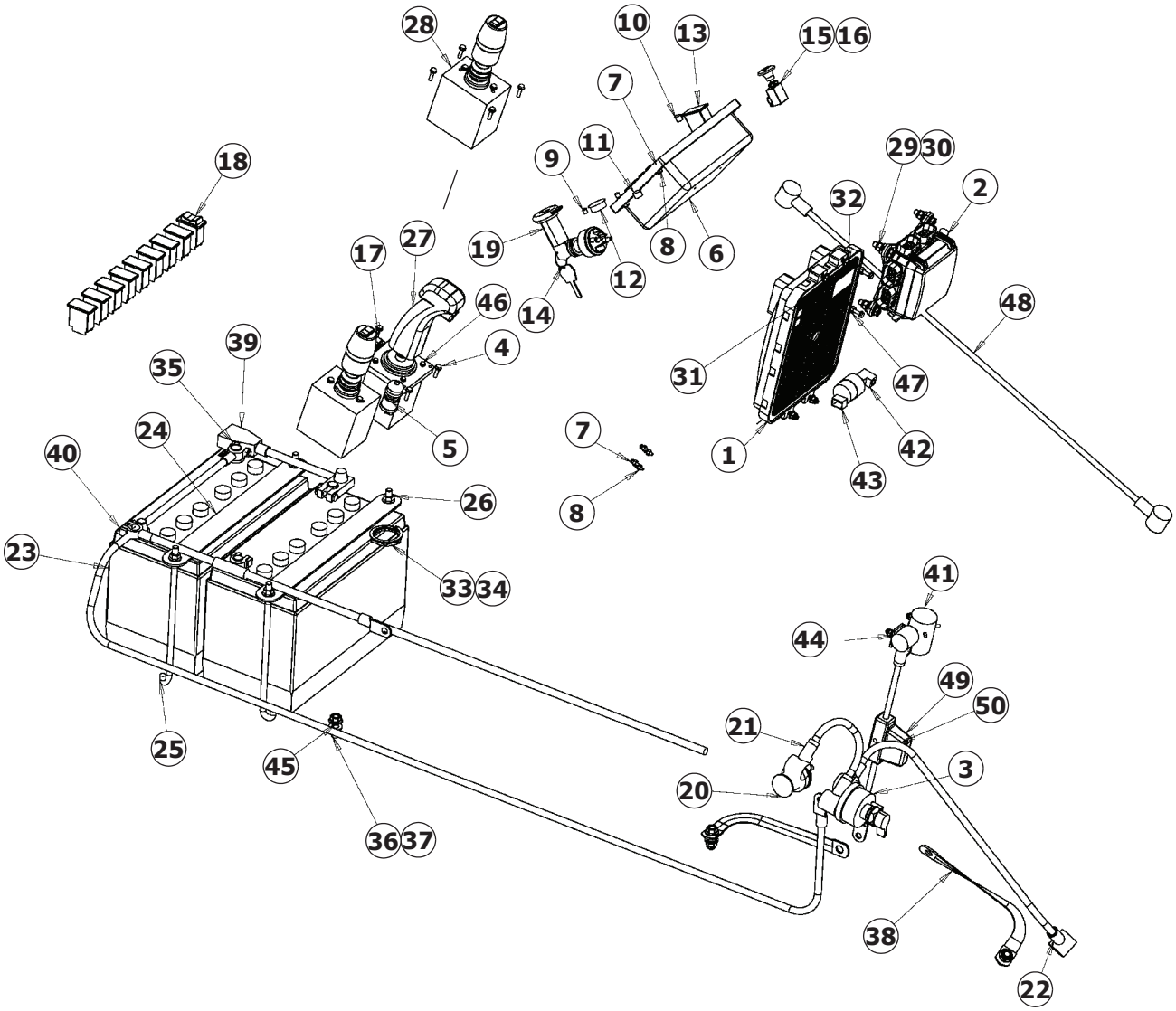
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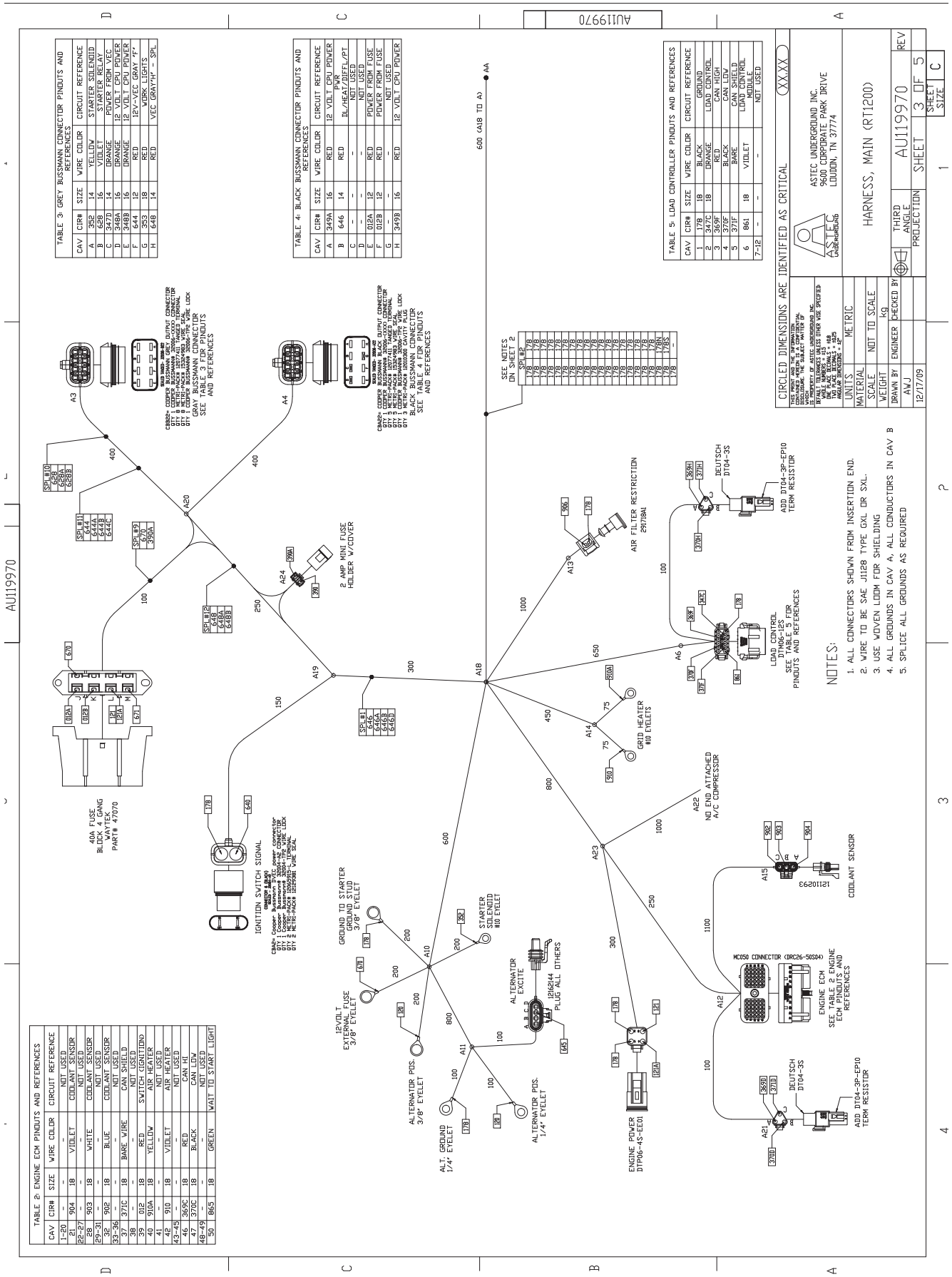
ELECTRICAL COMPONENTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118580	ELECTRICAL GROUP	1
1	AU118634	CONTROL MODULE - with Program	1
	AU117890	CONTROL MODULE - MC88, Unprogrammed	1
	AU118635	PROGRAM - RT1200	1
2	AU116154	VEHICLE ELECTRICAL CENTER - Main	1
3	R52278	SWITCH - Master Disconnect	1
4	63-81012	SCREW - Hex Wshr Hd, # 10 - 32 x 0.75 Pln	14
5	AU118023	SWITCH - Push Button (Sealed)	1
6	AU118668	DISPLAY - with Program	1
	AU103384	TERMINAL - Graphics DP600	1
	AU118669	PROGRAM - RT1200	1
7	440-1068	SCREW - PHd Type 1, # 6 - 32 x 0.500 CST ZND	8
8	230-42406	NUT - Prev Trq, # 6 GRA ZND NonDir	8
9	353-400	PLUG - Dome 0.250 in Hole Black Nylon	2
10	353-402	PLUG - Dome 0.375 in Hole Black Nylon	1
11	353-404	PLUG - Dome 0.500 in Hole Black Nylon	1
12	353-411	PLUG - Dome 01.000 in Hole Black Nylon	1
13	AU124043	PLUG - Rocker Switch Hole	9
14	AU103815	ASSEMBLY - Ignition Switch	1
15	D74330	SWITCH - Light	1
16	D88134	KNOB - Diff Lock	1
17	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
18	AU113662	SWITCH - Rocker, ON - OFF, 2 Pole	1
19	22000121	PLUG - 12VDC Recepticle	1
20	AU105186	POST - Remote Battery	1
21	AU108132	CABLE - Positive	1
22	366009A1	CABLE - Starter	1
23	A187928	BATTERY - Obtain Locally	2
24	AU106643	STRAP - Battery Hold Down	2
25	H436311	BOLT - Battery Hold Down	4
26	231-5146	NUT - Serr Flg 3/8 - 16 UNC GR5 ZND	4
27	AU118423	JOYSTICK - Control and Handle	1
28	AU118424	JOYSTICK - Single Axis with Rocker Switch	2
29	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	4
30	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	4
31	AU100313	SCREW, METRIC FLANGE w/BODY - M6 x 35	4
32	AU100525	NUT, METRIC FLANGE PREVAILING - M6, Zinc	6
33	AU111316	WASHER - Lock, Receptacle Bayonet Coupling	1
34	AU111311	NUT - Panel, Single Hole Mounting	1
35	AU108129	CABLE - Positive	1
36	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	3
37	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	3
38	D127018	CABLE - Ground Strap	2
39	H433512	CABLE - Dual Battery, Red (Positive)	1
40	AU103472	CABLE - Ground	1


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ELECTRICAL COMPONENTS

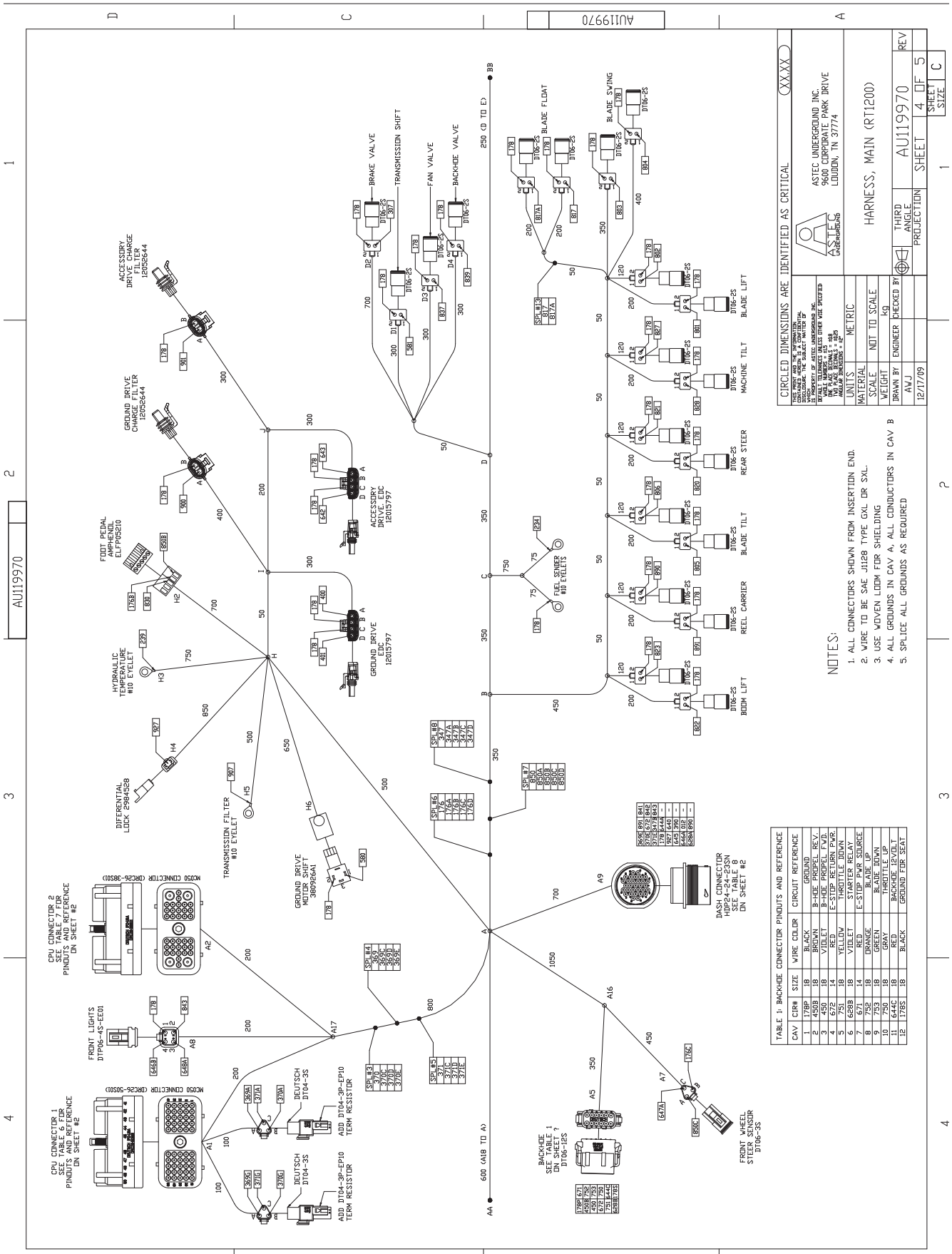
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118580	ELECTRICAL GROUP	1
41	AU118280	SOLENOID - Relay, 12V, 85A	1
42	217-1050	ELBOW - 90 Deg Pipe, 1/8-27 NPTF Fem	1
43	293797A1	ASSEMBLY, SWITCH - Air Restriction, Male Thread	1
44	AU100869	SCREW, METRIC FLANGE w/BODY - M6 x 20	2
45	493-41039	WASHER - External Tooth Lock, 0.375 in ZND	3
46	281-34414	SCREW - Hex Wshr Hd, TPG #8x0.875 END T	4
47	231-24409	NUT - Prev Trq #10 GRB ZND Insert	2
48	AU122203	CABLE - Battery (+)	1
49	AU122193	HOLDER - Maxi, Fuse	1
50	AU120617	FUSE - 100A Maxi Fuse	1
51	AU119970	HARNESS - Main, RT1200	1
52	AU119969	HARNESS - Dash	1
53	AU119968	HARNESS - Seat	1
54	AU122443	SCHEMATIC - Electrical, RT1200	1


AU119970
TABLE 2: ENGINE ECM PINOUTS AND REFERENCES
CAV | CIR# | SIZE | WIRE COLOR | CIRCUIT REFERENCE
1-20 | - | - | - | NOT USED
21 | 904 | 18 | VIOLET | COOLANT SENSOR
22-27 | - | - | - | NOT USED
28 | 903 | 18 | WHITE | COOLANT SENSOR
29-31 | - | - | - | NOT USED
32 | 902 | 18 | BLUE | COOLANT SENSOR
33-36 | - | - | - | NOT USED
37 | 37JC | 18 | BARE WIRE | CAN SHIELD
38 | - | - | - | NOT USED
39 | 012 | 18 | RED | SWITCH IGNITION
40 | 910A | 18 | YELLOW | AIR HEATER
41 | - | - | - | NOT USED
42 | 910 | 18 | VIOLET | AIR HEATER
43-45 | - | - | - | NOT USED
46 | 36JC | 18 | RED | CAN HIGH
47 | 37JC | 18 | BLACK | CAN LOW
48-49 | - | - | - | NOT USED
50 | 865 | 18 | GREEN | WAIT TO START LIGHT
TABLE 3: GREY BUSSMANN CONNECTOR PINOUTS AND REFERENCES
CAV | CIR# | SIZE | WIRE COLOR | CIRCUIT REFERENCE
A | 352 | 14 | YELLOW | STARTER SOLENOID
B | 628 | 16 | VIOLET | STARTER RELAY
C | 347D | 14 | ORANGE | POWER FROM VEC
D | 346A | 16 | ORANGE | 12 VOLT CPU POWER
E | 346B | 16 | ORANGE | 12 VOLT CPU POWER
F | 644A | 12 | RED | 12 VOLT CPU POWER
G | 353 | 18 | RED | WORK LIGHTS
H | 648 | 14 | RED | VEC GRAY"H" - SPL
TABLE 4: BLACK BUSSMANN CONNECTOR PINOUTS AND REFERENCES
CAV | CIR# | SIZE | WIRE COLOR | CIRCUIT REFERENCE
A | 349A | 16 | RED | 12 VOLT CPU POWER
B | 646 | 14 | RED | PWR DL/HEADCTRL/PT
C | - | - | - | NOT USED
D | - | - | - | NOT USED
E | 012A | 12 | RED | POWER FROM FUSE
F | 012B | 12 | RED | POWER FROM FUSE
G | - | - | - | NOT USED
H | 349B | 16 | RED | 12 VOLT CPU POWER
TABLE 5: LOAD CONTROLLER PINOUTS AND REFERENCES
CAV | CIR# | SIZE | WIRE COLOR | CIRCUIT REFERENCE
1 | 178 | 18 | BLACK | GROUND
2 | 347C | 18 | ORANGE | LOAD CONTROL
3 | 365F | | RED | CAN HIGH
4 | 370F | | BLACK | CAN LOW
5 | 37JF | | BARE | CAN SHIELD
6 | 861 | 18 | VIOLET | LOAD CONTROL MODULE
7-12 | - | - | - | NOT USED
CIRCLED DIMENSIONS ARE IDENTIFIED AS CRITICAL (XXXX)
ASTEC UNDERGROUND INC.
9600 CORPORATE PARK DRIVE
LOUDON, TN 37774
HARNESS, MAIN (RT1200)
AU119970
SHEET 3 OF 5
SIZE C
NOTES:
1. ALL CONNECTORS SHOWN FROM INSERTION END.
2. WIRE TO BE SAE J1128 TYPE GXL OR SXL.
3. USE WOVEN LOOM FOR SHIELDING
4. ALL GROUNDS IN CAV A, ALL CONDUCTORS IN CAV B
5. SPLICE ALL GROUNDS AS REQUIRED
40A FUSE BLOCK 4 GANG WAYTEK PART# 47070
IGNITION SWITCH SIGNAL
12VOLT EXTERNAL USE 3/8" EYELET
GROUND TO STARTER GROUND STUD 3/8" EYELET
STARTER SOLENOID #10 EYELET
ALTERNATOR EXCITE
12162144 PLUG ALL OTHERS
ALTERNATOR PDS. 3/8" EYELET
ALTERNATOR PDS. 1/4" EYELET
ALT. GROUND 1/4" EYELET
ENGINE POWER DTP06-4S-EE01
MC050 CONNECTOR (DRC26-50S04)
ENGINE ECM
SEE TABLE 2 ENGINE ECM PINOUTS AND REFERENCES
COOLANT SENSOR
12110293
ADD DT04-3P-EP10 TERM RESISTOR
DEUTSCH DT04-3S
LOAD CONTROL DTM06-12S
SEE TABLE 5 FOR PINOUTS AND REFERENCES
GRID HEATER #10 EYELETS
AIR FILTER RESTRICTION 2917BM1
2 AMP MINI FUSE HOLDER W/COVER
NO END ATTACHED A/C COMPRESSOR
SEE NOTES ON SHEET 2
600 (A18 TO A)
SEE TABLE 3 FOR PINOUTS AND REFERENCES
SEE TABLE 4 FOR PINOUTS AND REFERENCES
BLACK BUSSMANN CONNECTOR

MAIN WIRING HARNESS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU119970	HARNESS - Main Wiring	1

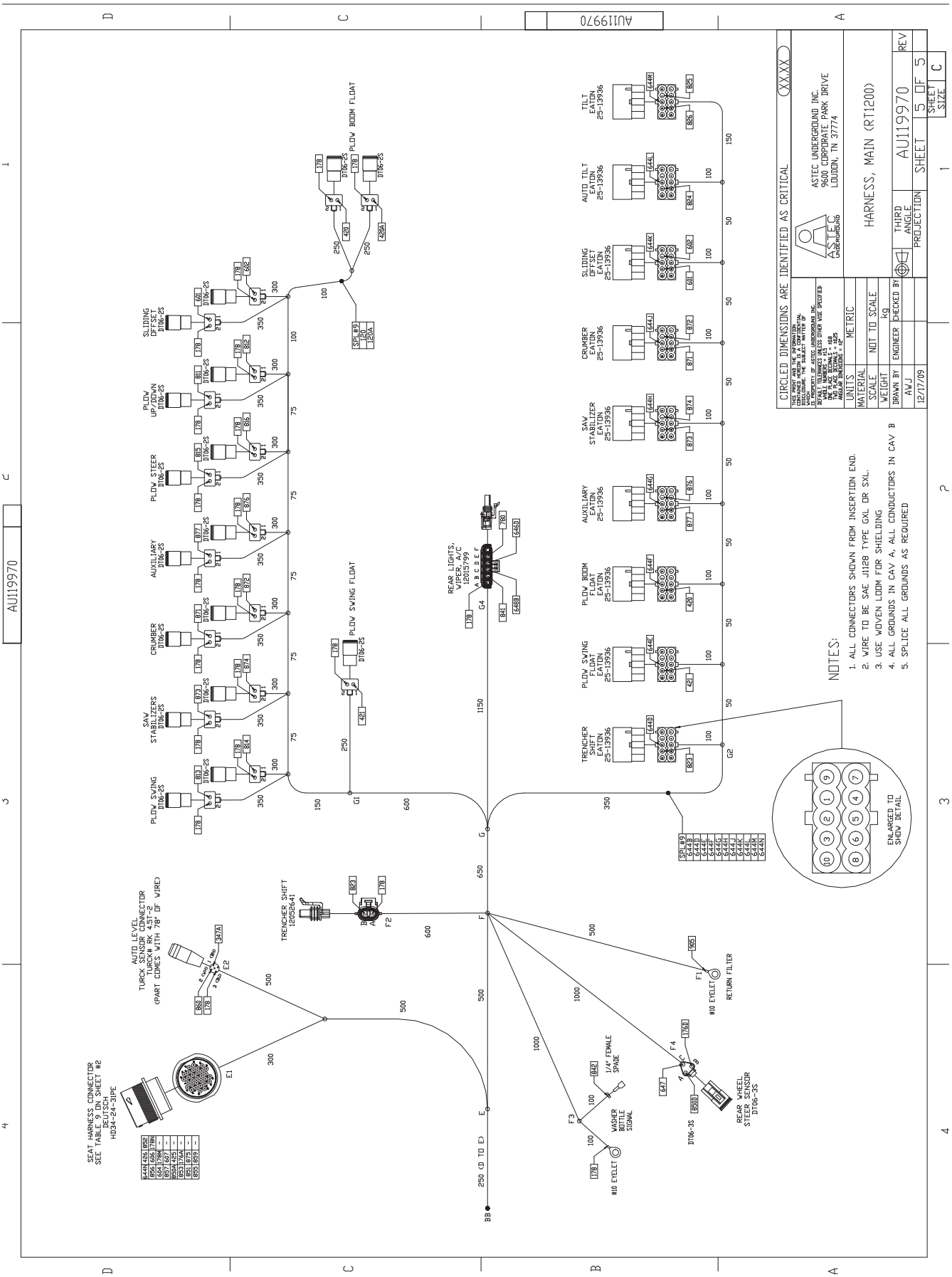
wiring diagram continued on following page


AU119970
CIRCLED DIMENSIONS ARE IDENTIFIED AS CRITICAL (XXXX)
ASTEC UNDERGROUND INC.
9600 CORPORATE PARK DRIVE
LOUDON, TN 37774
HARNESS, MAIN (RT1200)
AU119970
THIRD ANGLE PROJECTION
SHEET 4 OF 5
SHEET SIZE C
UNITS METRIC
MATERIAL
SCALE NOT TO SCALE
WEIGHT Kg
DRAWN BY AWJ 12/17/09
ENGINEER
CHECKED BY
NOTES:
1. ALL CONNECTORS SHOWN FROM INSERTION END.
2. WIRE TO BE SAE J1128 TYPE GXL DR SXL.
3. USE WOVEN LOOM FOR SHIELDING
4. ALL GROUNDS IN CAV A, ALL CONDUCTORS IN CAV B
5. SPLICE ALL GROUNDS AS REQUIRED
TABLE 1: BACKHOE CONNECTOR PINOUTS AND REFERENCE
CAV | CIR# | SIZE | WIRE COLOR | CIRCUIT REFERENCE
1 | 178P | 18 | BLACK | GROUND
2 | 4508 | 18 | BROWN | B-HOE PROPEL REV
3 | 4509 | 18 | VIOLET | B-HOE PROPEL FWD
4 | 672 | 14 | RED | E-STOP RETURN PWR
5 | 751 | 18 | YELLOW | THROTTLE DOWN
6 | 6288 | 18 | VIOLET | STARTER RELAY
7 | 671 | 14 | RED | E-STOP PWR SOURCE
8 | 752 | 18 | ORANGE | BLADE UP
9 | 753 | 18 | GREEN | BLADE DOWN
10 | 750 | 18 | GRAY | THROTTLE UP
11 | 6446 | 18 | RED | BACKHOE SEAT
12 | 178S | 18 | BLACK | GROUND FOR SEAT
CPU CONNECTOR 1
SEE TABLE 6 FOR
PINOUTS AND REFERENCE
ON SHEET #2
CPU CONNECTOR 2
SEE TABLE 7 FOR
PINOUTS AND REFERENCE
ON SHEET #2
MC050 CONNECTOR (DRC26-50S01)
MC050 CONNECTOR (DRC26-38S01)
FRONT LIGHTS
DTP06-4S-EE01
DEUTSCH
DT04-3S
ADD DT04-3P-EP10
TERM RESISTOR
DIFFERENTIAL
LOCK 2984328
TRANSMISSION FILTER
#10 EYELET
GROUND DRIVE
MOTOR SHIFT
3809264
HYDRAULIC
TEMPERATURE
#10 EYELET
FOOT PEDAL
AMPHENOL
ELFP05210
GROUND DRIVE
CHARGE FILTER
12052644
ACCESSORY
DRIVE CHARGE
FILTER
12052644
GROUND DRIVE
EDC
12015797
ACCESSORY
DRIVE, EDC
12015797
FUEL SENDER
#10 EYELETS
DASH CONNECTOR
HDP24-24-23SN
SEE TABLE 8
ON SHEET #2
BACKHOE
SEE TABLE 1
ON SHEET 5
DT06-12S
FRONT WHEEL
STEER SENSOR
DT06-3S
BRAKE VALVE
TRANSMISSION SHIFT
FAN VALVE
BACKHOE VALVE
BLADE FLOAT
BLADE SWING
BOOM LIFT
REEL CARRIER
BLADE TILT
REAR STEER
MACHINE TILT
BLADE LIFT

MAIN WIRING HARNESS

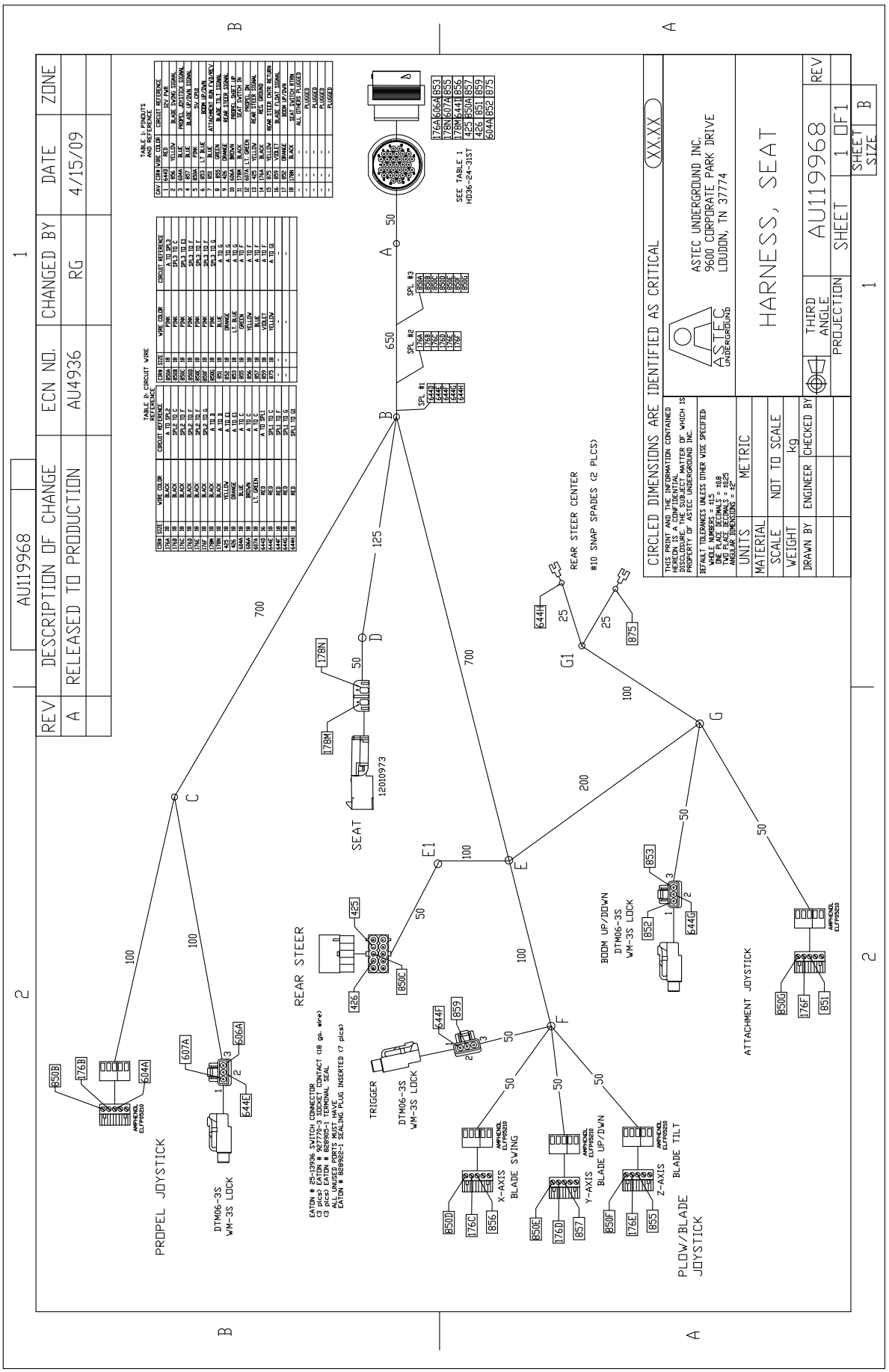
REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU119970	HARNESS - Main Wiring	1

wiring diagram continued on following page


AU119970
NOTES:
1. ALL CONNECTORS SHOWN FROM INSERTION END.
2. WIRE TO BE SAE J1128 TYPE GXL OR SXL.
3. USE WOVEN LOOM FOR SHIELDING
4. ALL GROUNDS IN CAV A, ALL CONDUCTORS IN CAV B
5. SPLICE ALL GROUNDS AS REQUIRED
CIRCLED DIMENSIONS ARE IDENTIFIED AS CRITICAL (XXXX)
ASTEC UNDERGROUND INC.
9600 CORPORATE PARK DRIVE
LOUDON, TN 37774
HARNESS, MAIN (RT1200)
AU119970
REV C
SHEET 5 OF 5
SHEET SIZE C
THIRD ANGLE PROJECTION
DRAWN BY AWJ
ENGINEER
CHECKED BY
12/17/09
UNITS METRIC
MATERIAL
SCALE NOT TO SCALE
WEIGHT KG
SEAT HARNESS CONNECTOR
SEE TABLE 6 ON SHEET #2
DEUTSCH
HD34-24-31PE
AUTO LEVEL
TURCK SENSOR CONNECTOR
TURCK# RK 4.5T-2
(PART COMES WITH 78" OF WIRE)
TRENCHER SHIFT
12052641
REAR LIGHTS,
WIPER, A/C
12015799
PLOW SWING
PLOW SWING FLOAT
SAW
STABILIZERS
CRUMBER
AUXILIARY
PLOW STEER
PLOW
UP/DOWN
SLIDING
OFFSET
PLOW BOOM FLOAT
TRENCHER
SHIFT
EATON
25-13936
AUTO TILT
TILT
RETURN FILTER
#10 EYELET
WASHER
BOTTLE
SIGNAL
1/4" FEMALE
SPADE
REAR WHEEL
STEER SENSOR
DT06-3S
ENLARGED TO
SHOW DETAIL

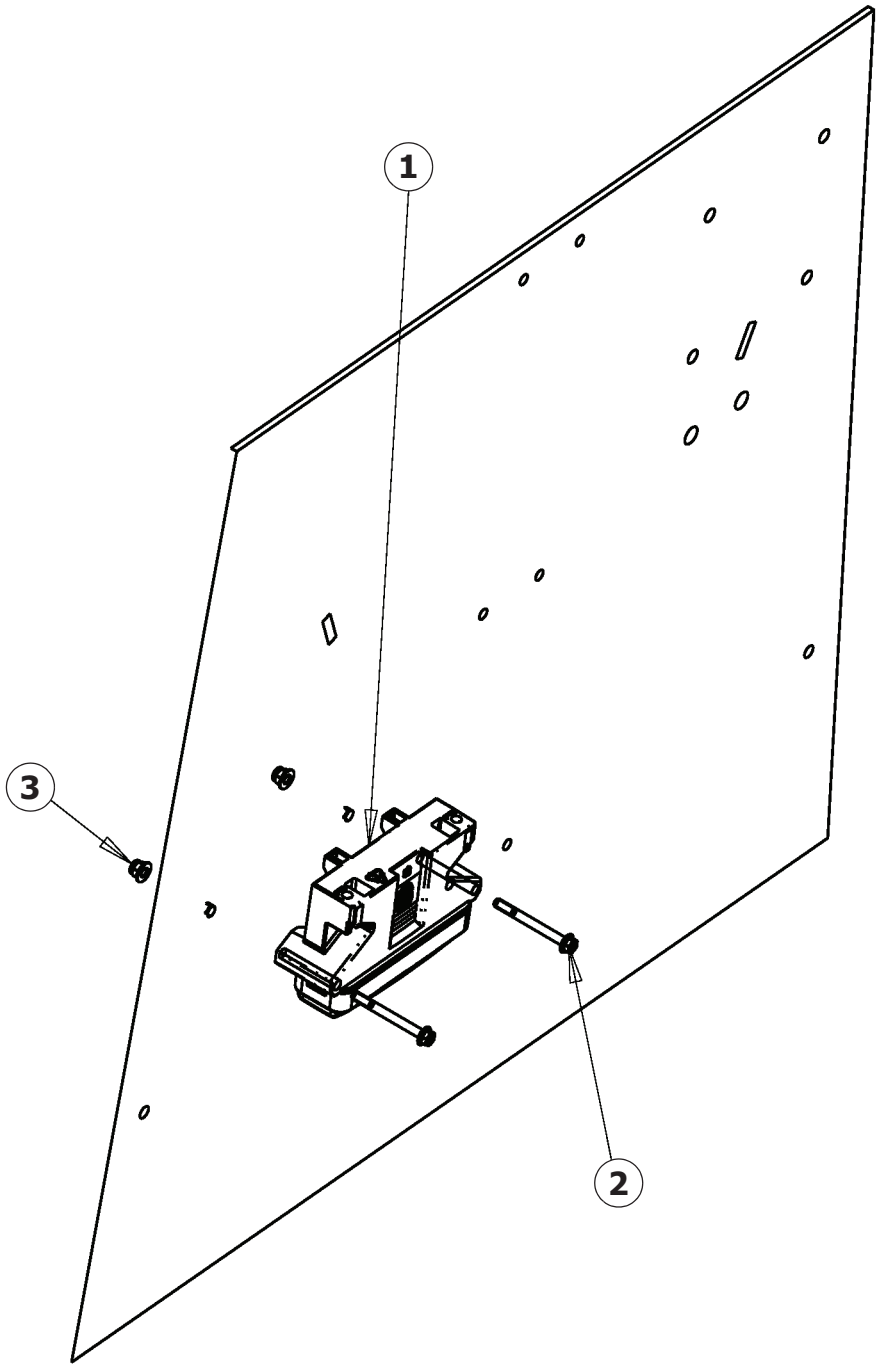
MAIN WIRING HARNESS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU119970	HARNESS - Main Wiring	1


AU119968
REV | DESCRIPTION OF CHANGE | ECN NO. | CHANGED BY | DATE | ZONE
A | RELEASED TO PRODUCTION | AU4936 | RG | 4/15/09
CIRCLED DIMENSIONS ARE IDENTIFIED AS CRITICAL (XX.XX)
THIS PRINT AND THE INFORMATION CONTAINED HEREON IS A CONFIDENTIAL DISCLOSURE THE SUBJECT MATTER OF WHICH IS PROPERTY OF ASTEC UNDERGROUND INC.
DEFAULT TOLERANCES UNLESS OTHER WISE SPECIFIED: WHOLE NUMBERS = ±15 ONE PLACE DECIMALS = ±08 TWO PLACE DECIMALS = ±25 ANGULAR DIMENSIONS = ±2°
ASTEC UNDERGROUND
ASTEC UNDERGROUND INC. 9600 CORPORATE PARK DRIVE LOUDON, TN 37774
UNITS METRIC
MATERIAL
SCALE NOT TO SCALE
WEIGHT kg
DRAWN BY ENGINEER CHECKED BY
THIRD ANGLE PROJECTION
HARNESS, SEAT
AU119968
REV
SHEET 1 OF 1
SIZE B
TABLE 1- PINOUTS
TABLE 2- CIRCUIT WIRE REFERENCE
SEE TABLE 1 HD36-24-31ST
PROPEL JOYSTICK
DTM06-3S WM-3S LOCK
REAR STEER
SEAT
TRIGGER
DTM06-3S WM-3S LOCK
BOOM UP/DOWN
DTM06-3S WM-3S LOCK
ATTACHMENT JOYSTICK
PLOW/BLADE JOYSTICK
X-AXIS BLADE SWING
Y-AXIS BLADE UP/DWN
Z-AXIS BLADE TILT
REAR STEER CENTER
#10 SNAP SPADES (2 PLCS)
EATON # 25-13936 SWITCH CONNECTOR
(3 plcs) EATON # 927770-3 SOCKET CONTACT (18 ga. wire)
(3 plcs) EATON # 828905-1 INTERNAL SEAL
ALL UNUSED PORTS MUST HAVE
EATON # 828922-1 SEALING PLUG INSERTED (7 plcs)

SEAT HARNESS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU119968	HARNESS - Seat Wiring	1


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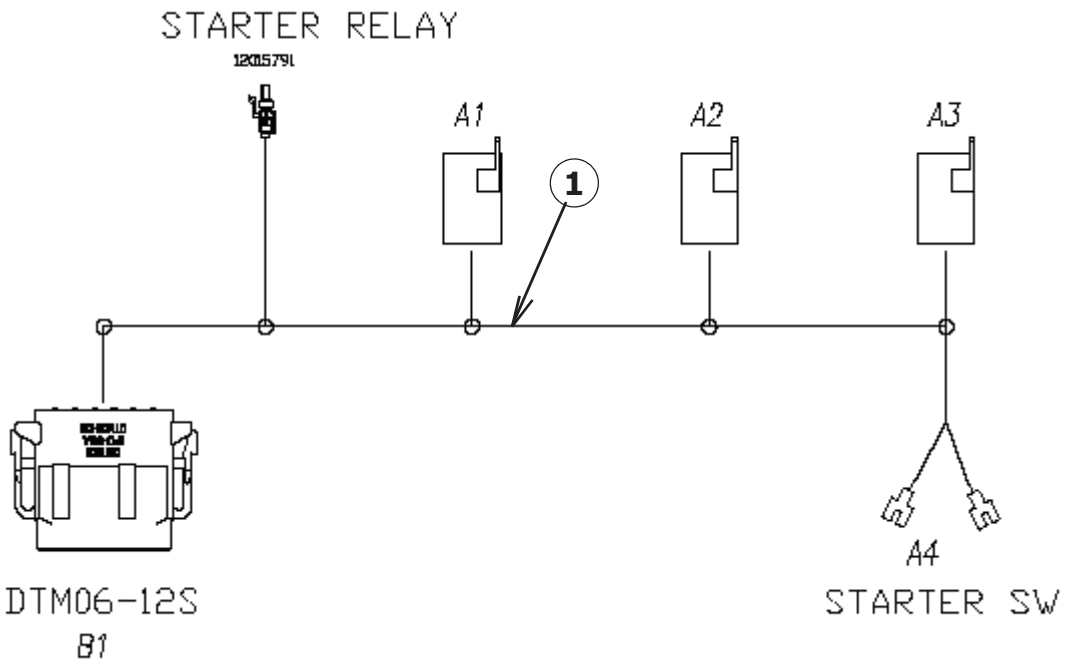
LOAD CONTROL OPTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122084	LOAD CONTROL	1
1	AU117892	CONTROL MODULE - OX12	1
2	AU100315	SCREW, METRIC FLANGE w/BODY - M6 x 60	2
3	AU100525	NUT, METRIC FLANGE PREVAILING - M6 Zinc	2

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HARNESS, DASH/CAB

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU121837	HARNESS - Cab, Front	1
2	AU121838	HARNESS - Cab, Rear	1


STARTER RELAY
12015791
A1
A2
A3
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A4
DTM06-12S
B1
STARTER SW

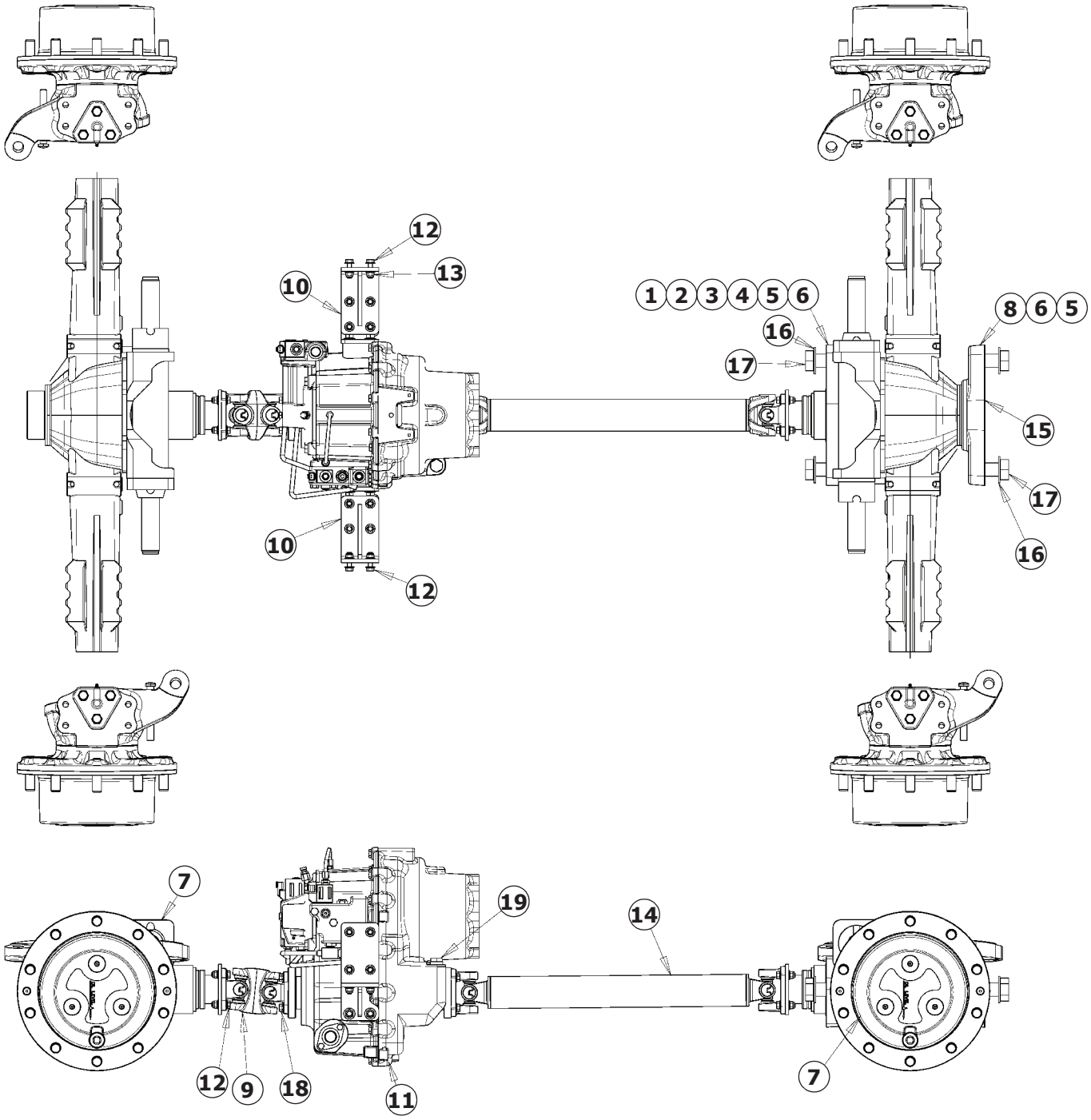
HARNESS, BACKHOE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU108211	HARNESS - Backhoe	1

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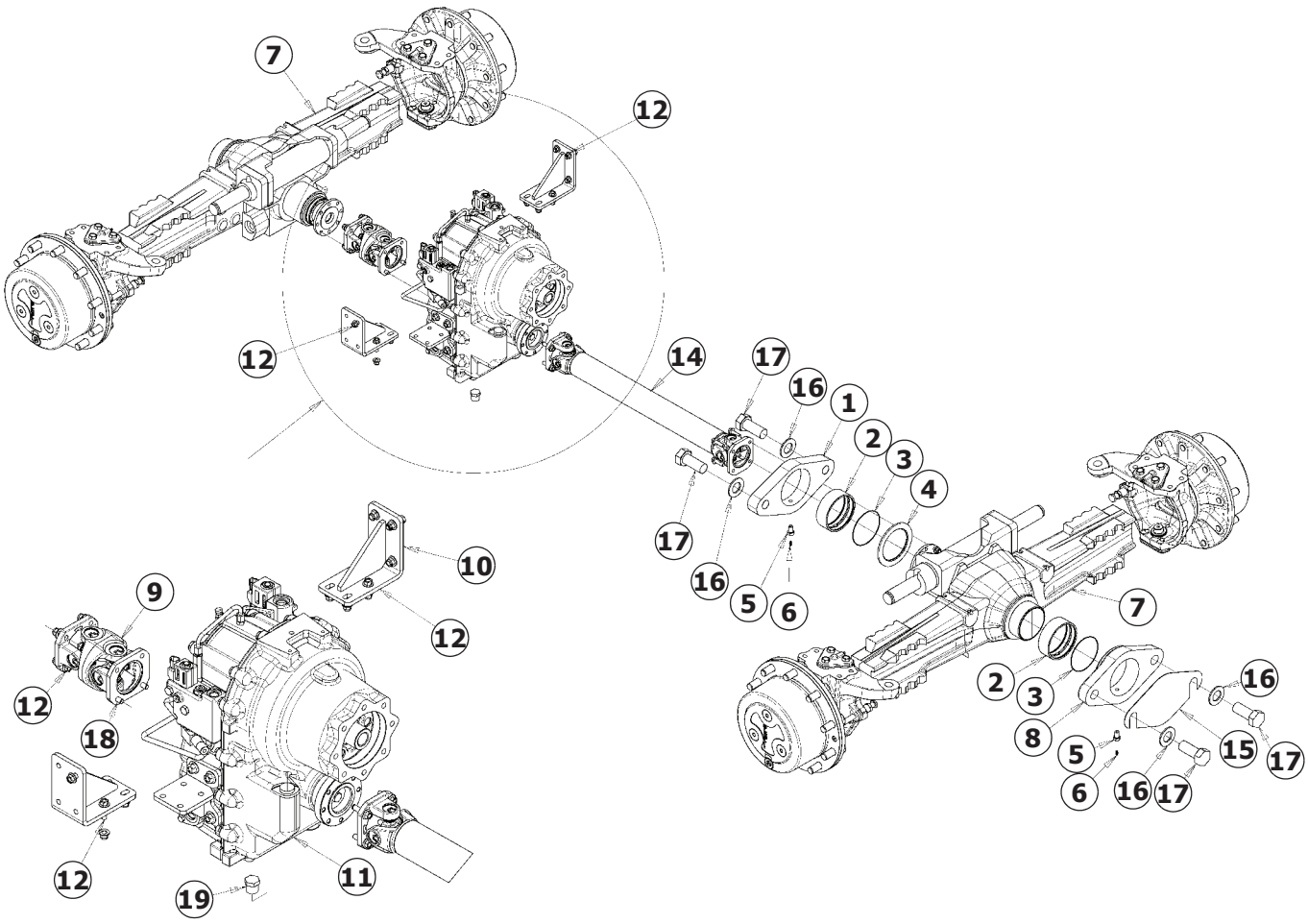
ALPHABETICAL INDEX
STEERING AND POWER TRAIN

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Joint, Constant Velocity	5-15
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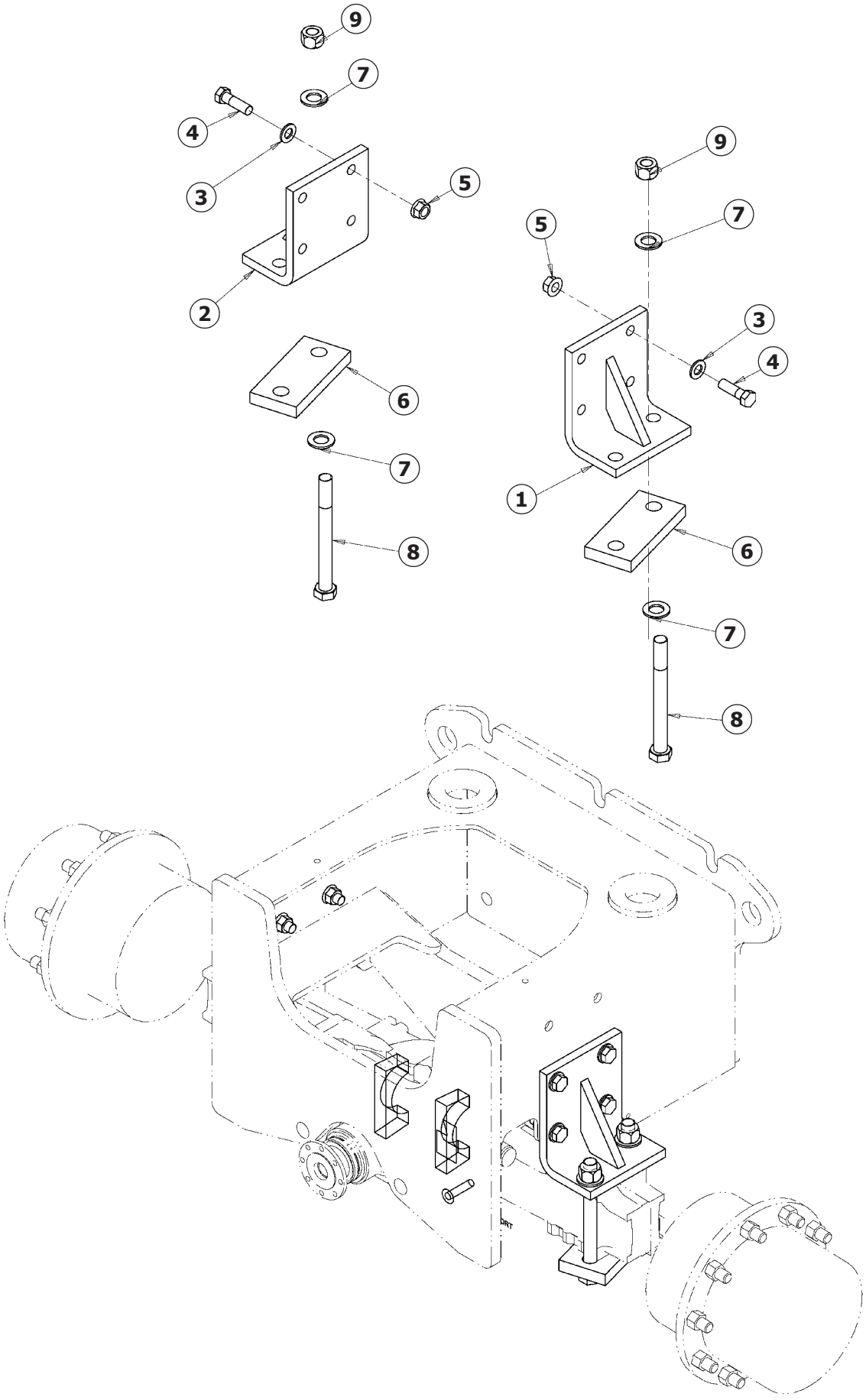
GROUND DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU104956	ASSEMBLY - Ground Drive	1
1	407398A1	TRUNION - Axle Pivot, Rear	1
2	K965265	BUSHING - Pivot	2
3	K965267	O-RING - Seal	2
4	K395022	WASHER - Thrust	1
5	D136218	ADAPTOR - Locating	2
6	219-17	FITTING - Lube Straight Drive Type 3/16	2
7	AU106863	AXLE ASSEMBLY - Rear (Includes lug nuts)	2
	AU119503	LUG NUT (Included with item 7)	40
8	H433408	TRUNION - Axle Pivot, Front	1
9	AU106121	JOINT - Constant Velocity	1
10	AU106161	MOUNT - Transmission	2
11	AU104844	TRANSMISSION - 2 Speed Powershift	1
12	AU100878	SCREW, METRIC FLANGE w/BODY - M10 x 35	28
13	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	24
14	AU106109	SHAFT ASSEMBLY - Front Axle Drive	1
15	H433359	SHIM - Axle Mount	1
16	H426858	WASHER - H.T. (1-1.4 inch bolt)	4
17	26-2048	BOLT - Hex Hd 1.25 x 3.00 GR8 PLN	4
18	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	4
19	217-414	PLUG - Hex Head, Pipe, 3/4 - 14 NPTF ZN	1


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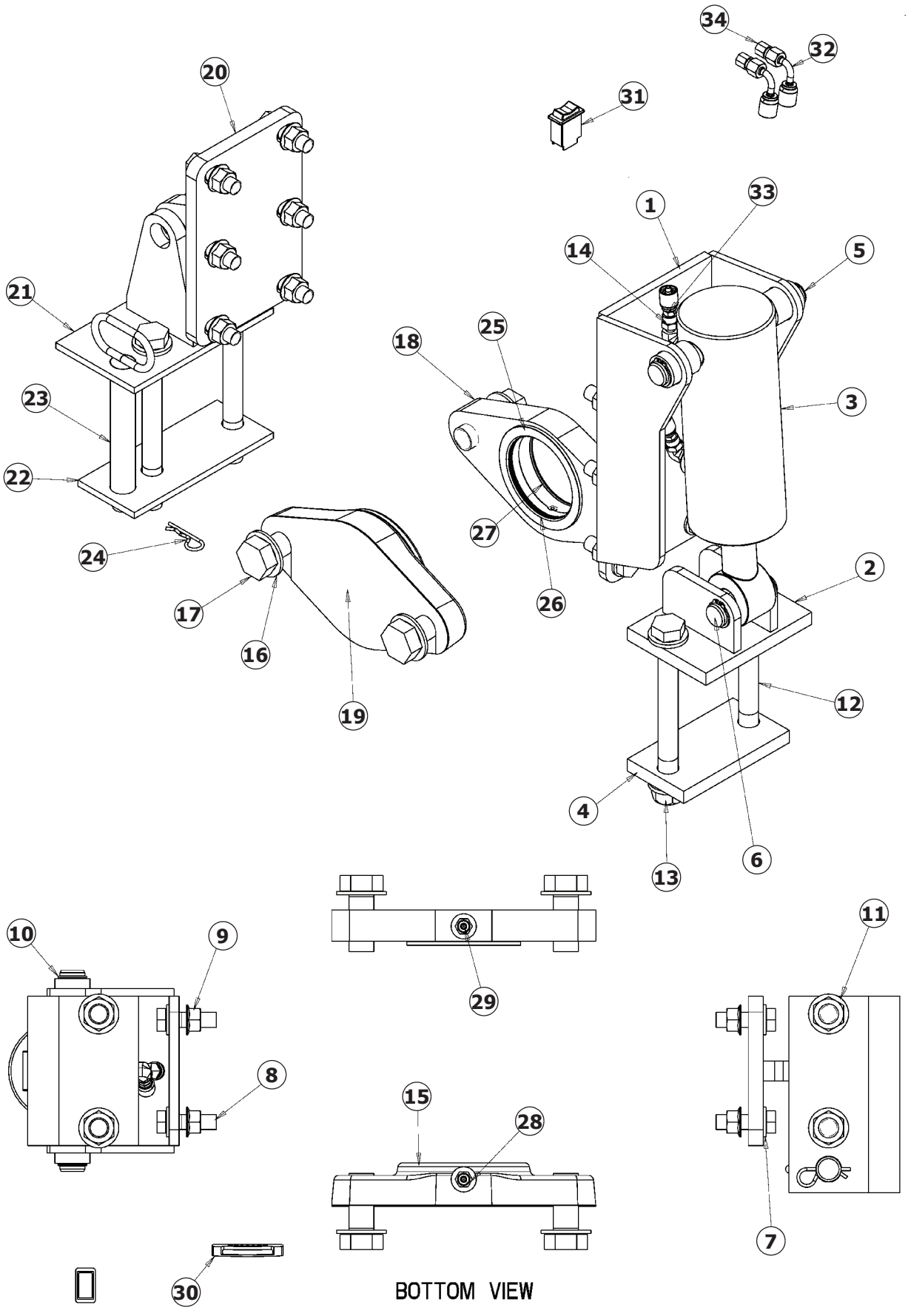
GROUND DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU104956	ASSEMBLY - Ground Drive	1
1	407398A1	TRUNION - Axle Pivot, Rear	1
2	K965265	BUSHING - Pivot	2
3	K965267	O-RING - Seal	2
4	K395022	WASHER - Thrust	1
5	D136218	ADAPTOR - Locating	2
6	219-17	FITTING - Lube Straight Drive Type 3/16	2
7	AU106863	AXLE ASSEMBLY - Rear (Includes lug nuts)	2
	AU119503	LUG NUT (Included with item 7)	40
8	H433408	TRUNION - Axle Pivot, Front	1
9	AU106121	JOINT - Constant Velocity	1
10	AU106161	MOUNT - Transmission	2
11	AU104844	TRANSMISSION - 2 Speed Powershift	1
12	AU100878	SCREW, METRIC FLANGE w/BODY - M10 x 35	28
13	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	24
14	AU106109	SHAFT ASSEMBLY - Front Axle Drive	1
15	H433359	SHIM - Axle Mount	1
16	H426858	WASHER - H.T. (1-1.4 inch bolt)	4
17	26-2048	BOLT - Hex Hd 1.25 x 3.00 GR8 PLN	4
18	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	4
19	217-414	PLUG - Hex Head, Pipe, 3/4 - 14 NPTF ZN	1


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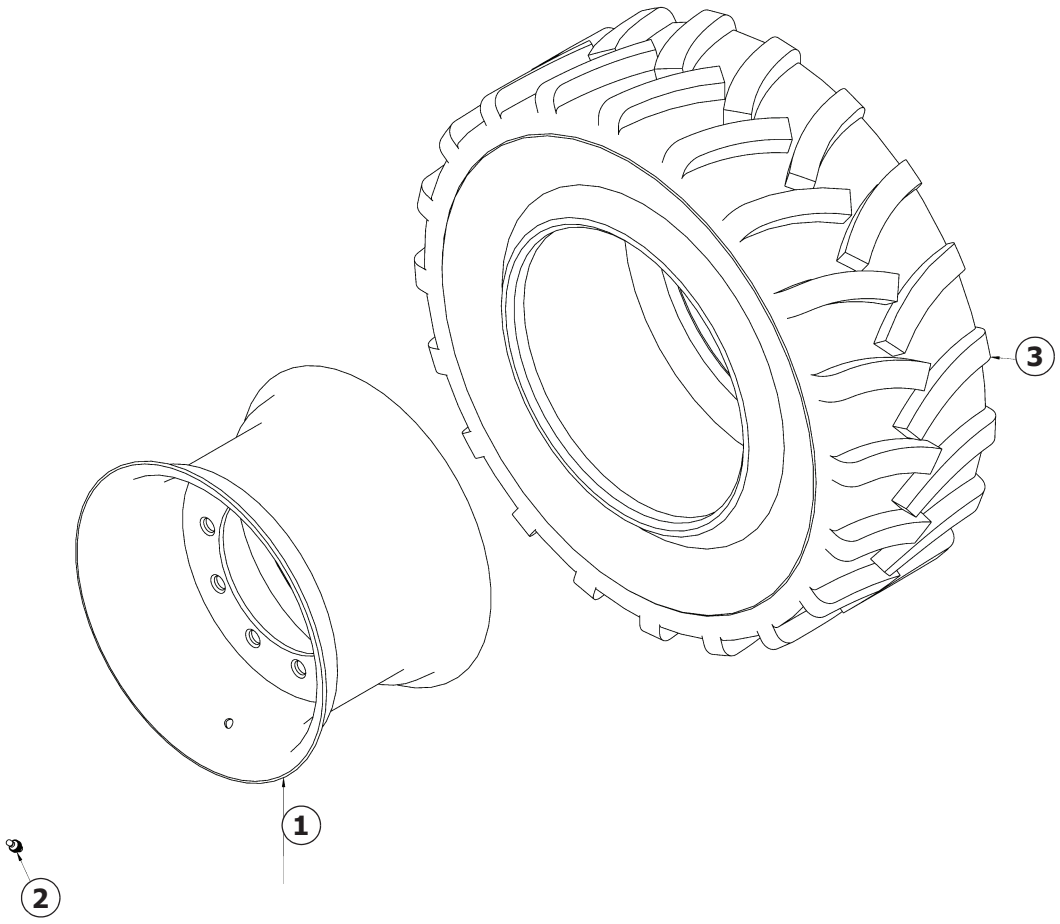
FIXED FRAME OPTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108576	ASSEMBLY - Fixed Frame Option	1
1	AU104856	MOUNT - Axle	1
2	AU115897	MOUNT - Axle	1
3	496-11081	WASHER - .812 x 1.500 x .134 in HDN ZND	8
4	426-1240	BOLT - Hex Hd .750 x 2.50 GR5 ZND.	8
5	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 ZND.	8
6	387837A1	BAR - Clamp	2
7	H426833	WASHER - H.T. (1 inch bolt)	8
8	426-16160	BOLT - Hex Hd 1.00 x 10.00 GR5 ZND.	4
6	232-41116	NUT - Prev Trq 1" GRC CAD DIRECT	4


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BOTTOM VIEW

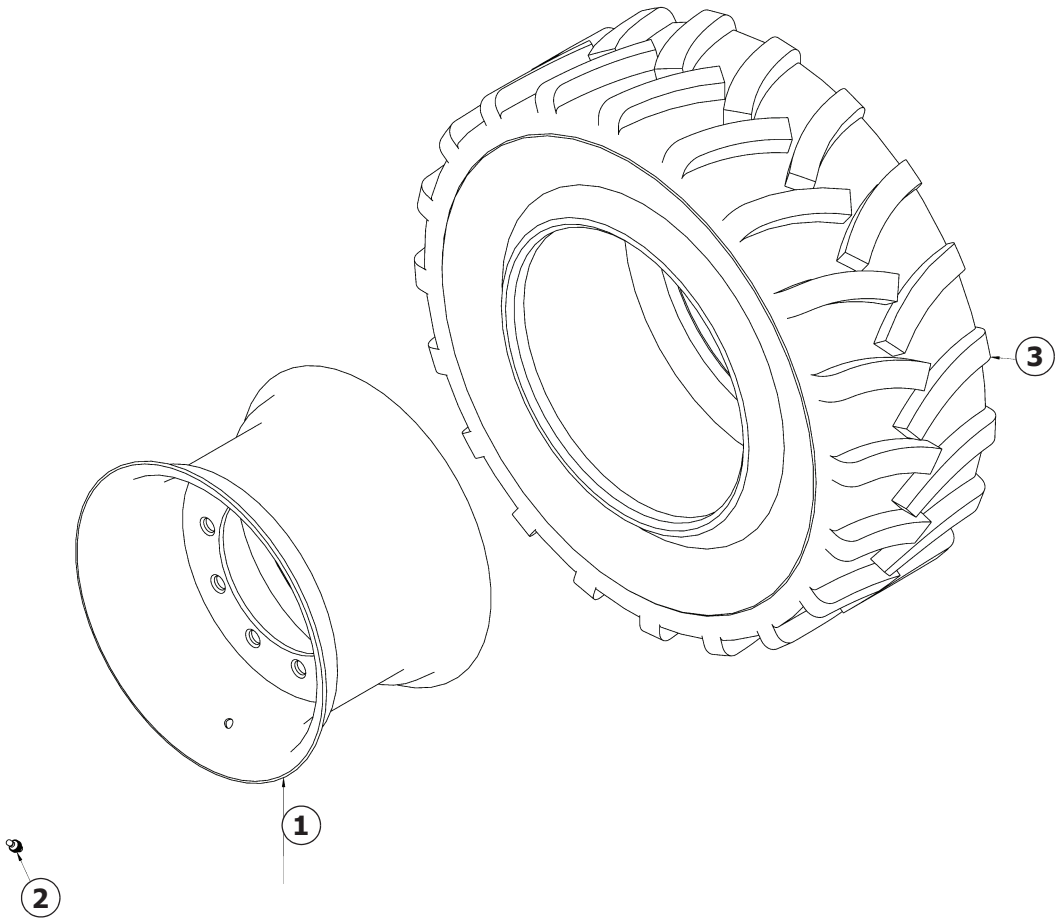
TILT FRAME OPTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118751	ASSEMBLY - Tilt Frame Option	1
1	AU104865	WELDMENT - Cylinder Frame Mount	1
2	AU104861	WELDMENT - Rear Axle Mount, Tilt Suspension	1
3	H673704	CYLINDER - Hydraulic	1
4	AU105394	PLATE - Mounting	1
5	H434493	PIN - Plow Lift Cyllinder, Barrel End	1
6	H434556	PIN - Clevis Dia. 31.75 x 80	1
7	496-11081	WASHER - .812 x 1.500 x .134 in HDN ZND	12
8	426-1240	BOLT - Hex Hd .750 x 2.50 GR5 ZND	12
9	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 ZND	12
10	103-16125	RING - Retainer	4
11	496-21106	WASHER - 1.062 x 2.000 x .209 in HDN ZND	8
12	426-16160	BOLT - Hex Hd 1.00 x 10.00 GR5 ZND	4
13	232-41116	NUT - Prev Trq 1" GRC CAD DIRECT	4
14	218-5128	ELBOW - 90 Adj 37 FL 3/8 x 1/2 Tube	2
15	H433408	TRUNION - Axle Pivot, Front	1
16	H426858	WASHER - H.T. (1-1/4 in Bolt)	4
17	26-2048	BOLT - Hex Hd 1.25 x 3.00 GR8 Pln	4
18	407398A1	TRUNION - Axle Pivot, Rear	1
19	H433359	SHIM - Axle Mount	1
20	AU105590	FRAME - Lockout Weldment	1
21	AU105593	AXLE - Lockout Weldment	1
22	AU105596	PLATE - Mounting	1
23	AU106861	PIN w/HANDLE - Locking	1
24	H32292	PIN - Hair	1
25	K395023	WASHER - Thrust	1
26	K965265	BUSHING - Pivot	2
27	K965267	O-RING - Seal	2
28	D136218	ADAPTOR - Locating	2
29	219-17	FITTING - Lube Straight Drive Type 3/16	2
30	AU104200	METER - Slope	1
31	AU113664	SWITCH - Rocker, 2-Pole, ON-OFF-ON	1
32	AU120443	HOSE - Hydraulic	1
33	H438491	HOSE - Hydraulic	1
34	AU109671	ORIFICE - 0.047 Inline	2


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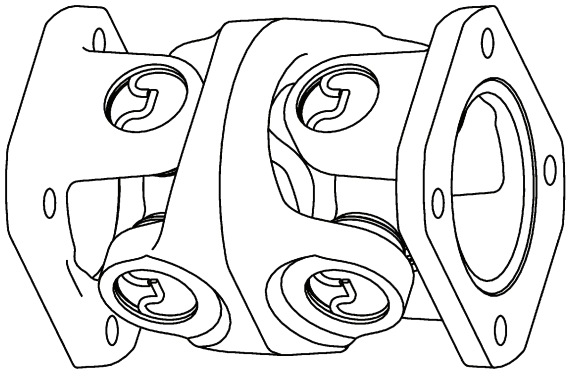
TIRE AND WHEEL

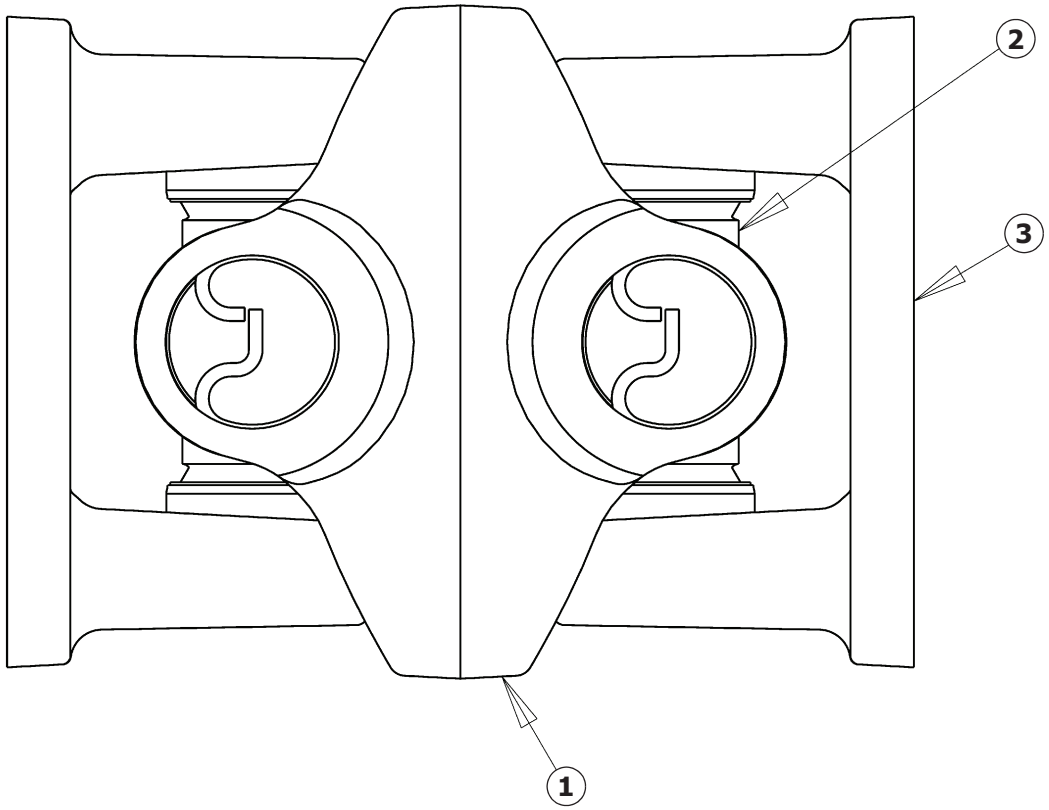
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108411	ASSEMBLY - Tire and Wheel	1
1	AU108410	WHEEL	1
2	T57461	STEM - Valve	1
3	223657A1	TIRE - 38 x 18.0 - 20 Galaxy	1


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TIRE AND WHEEL - FOAM FILLED

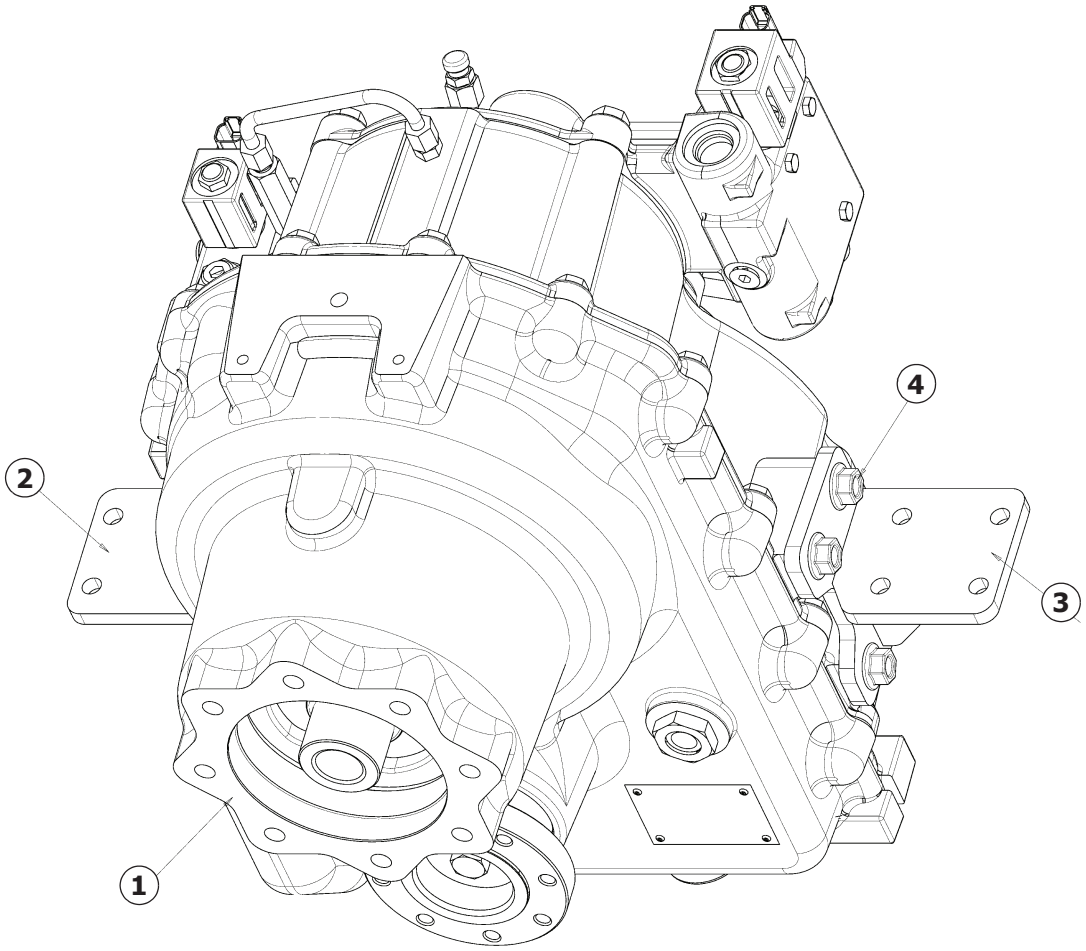
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU109475	ASSEMBLY - Tire and Wheel, Foam Filled	1
1	AU108410	WHEEL	1
2	T57461	STEM - Valve	1
3	223657A1	TIRE - 38 x 18.0 - 20 Galaxy	1




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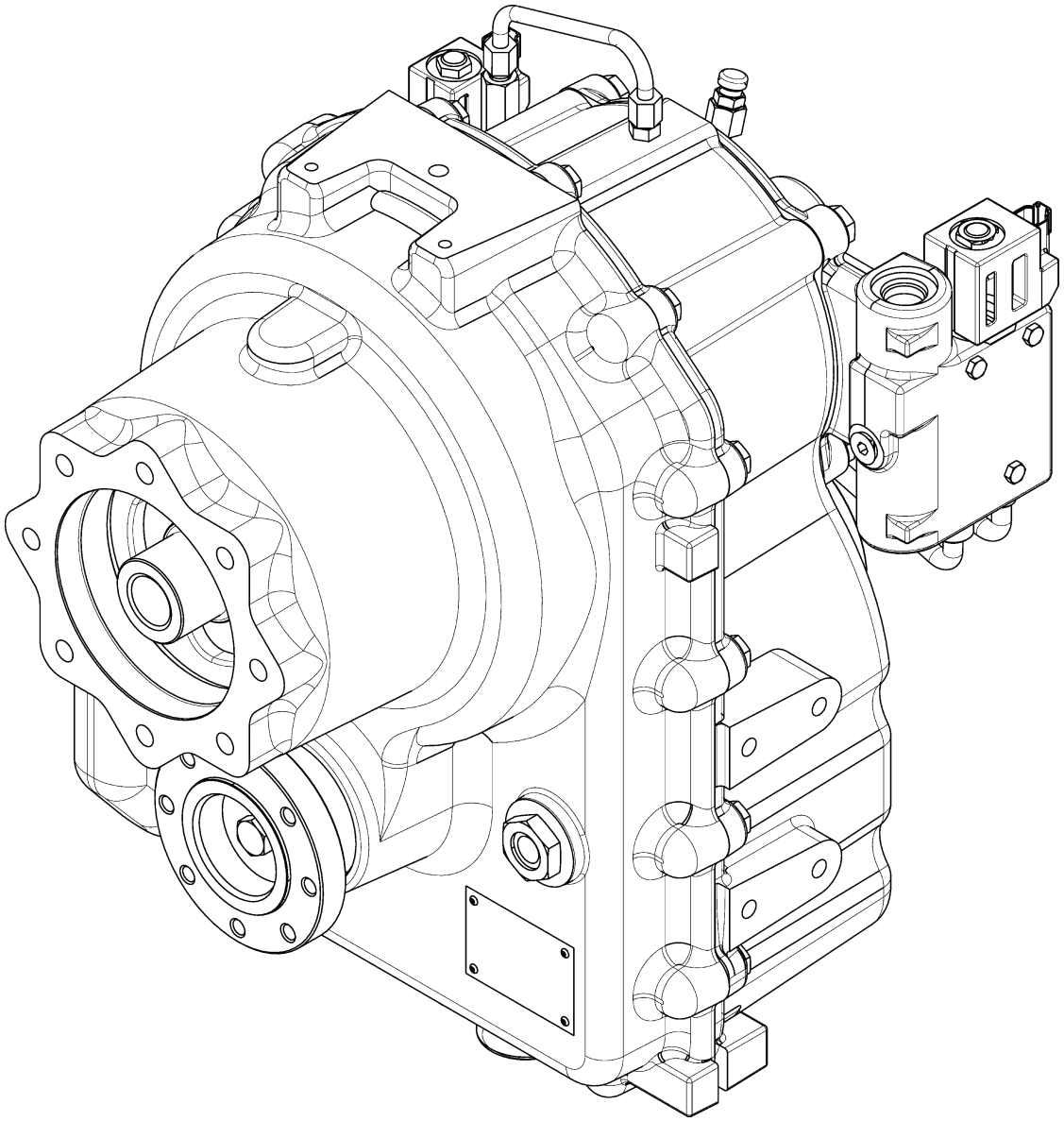
CONSTANT VELOCITY JOINT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106121	JOINT - Constant Velocity	1
1	AU106123	CONNECTOR - Center	1
2	AU106122	JOINT - Universal	2
3	AU106124	FLANGE - Connection	2


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TRANSMISSION / MOUNT ASSEMBLY

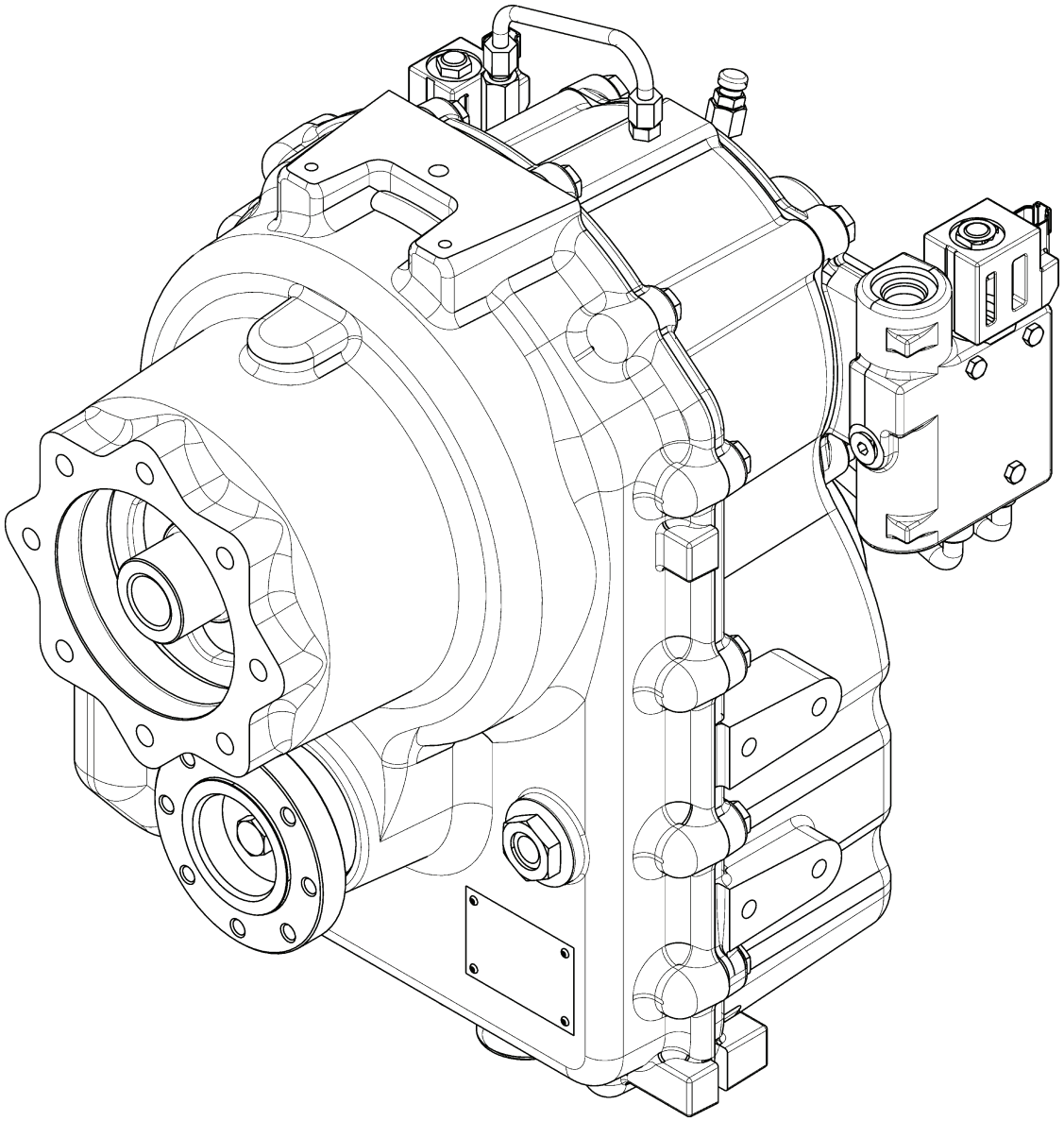
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU104844	ASSEMBLY - Transmission Mount	1
1	AU106132	TRANSMISSION - 2 Speed, Powershift	1
2	AU106160	MOUNT - Transmission	1
3	AU106134	MOUNT - Transmission	1
4	AU100414	SCREW, METRIC FLANGE FULL - M12 x 25	8



TRANSMISSION, 2 SPEED POWERSHIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106132	TRANSMISSION - 2 Speed, Powershift	1
1	AU106427	BOLT	1
2	AU106428	O-RING	1
3	AU106429	O-RING	1
4	AU106430	SEAL	1
5	AU106431	YOKE	1
6	AU106432	WASHER	1
7	AU106433	SHAFT	1
8	AU106434	BUSHING	1
9	806-6012	BOLT - M6 x 12 GR10.9	3
10	814-6060	BOLT - M6 x 60	3
11	614-8030	BOLT - M8 x 30	2
12	614-10030	BOLT - M10 x 1.5	13
13	844-10035	SCREW - 8.8 M10 x 35	6
14	844-10060	SCREW - 8.8 M10 x 60	2
15	614-12030	BOLT - M12 x 1.75	4
16	614-12040	SCREW - M12 x 25 GR8.8	1
17	181100A1	CUP - G1/8"	1
18	D142898	SCREW - M10 x 1	3
19	934667R1	WASHER - 10 x 14 x 1.5	1
20	139311A1	RIVET - D3.2	4
21	408497A1	RIVET - D4 x 3.83	2
22	247557A1	RETAINING RING - External	1
23	800-1152	RETAINING RING - External	1
24	800-1155	RETAINING RING - External	1
25	800-2121	RETAINING RING - Internal	3
26	363476A1	SEAL	1
27	408498A1	SNAP RING	2
28	K261826	O-RING	2
29	238-5221	O-RING	1
30	238-5158	O-RING - Piston OD	1
31	238-5239	O-RING	1
32	511-1060	BALL	2
33	247550A1	BEARING - Needle	10
34	238-5137	O-RING - Piston ID	1
35	238-5160	O-RING	1
36	238-5136	O-RING	1

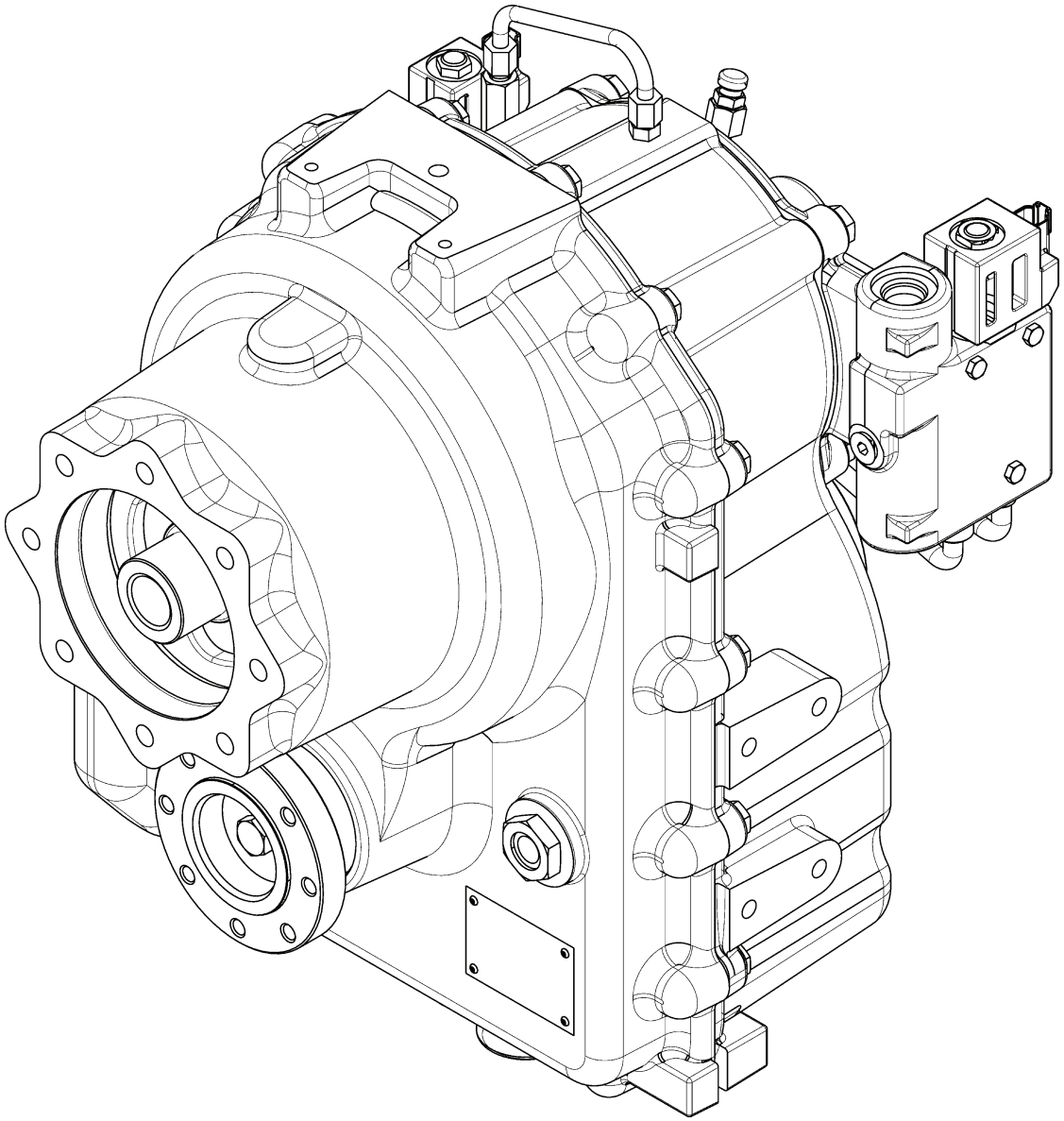
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TRANSMISSION, 2 SPEED POWERSHIFT

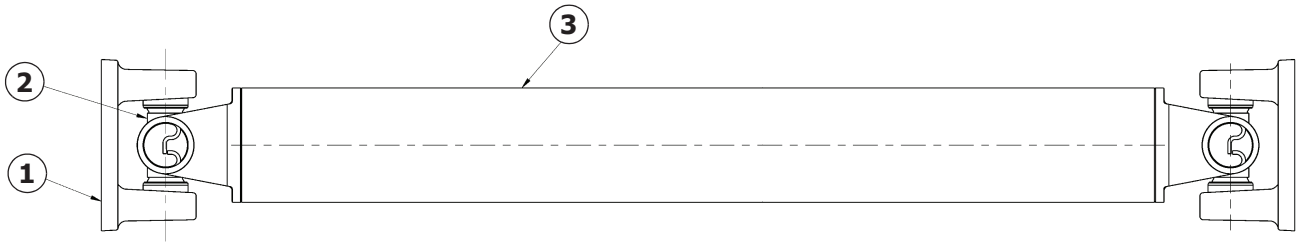
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106132	TRANSMISSION - 2 Speed, Powershift	1
37	238-5174	O-RING	1
38	408499A1	PLUG - 1-1/16 - 12	1
39	238-5263	O-RING	3
40	K260177	PIN - 10 x 25	2
41	1966149C2	BREATHER	1
42	310930A1	PIPE FITTING - 9/16 UNF - 9/16 JIC	1
43	408474A1	PIPE FITTING - 45° 9/16 - 9/16 JIC	1
44	100557A1	PLUG - Oil Drain	1
45	218-1023	PIPE FITTING - 1/4 BSPT - 1/2 JIC	1
46	278534A1	FILTER - Suction	1
47	363457A1	WASHER	6
48	363461A1	PLATE - ID	1
49	363466A1	BUSHING - 16 x 10.5 x 20	2
50	363485A1	WASHER - Bellville Spring	1
51	363578A1	GEAR - Drop Set 72T	1
52	363470A1	GEAR - Drop Set 30T	1
53	363487A1	SEAL - Combi	1
54	363452A1	SHAFT - Sun Gear 30T	1
55	363460A1	PISTON - Rd Clutch	1
56	363464A1	PIN - Planetary Carrier	3
57	363473A1	GEAR - Ring	1
58	363458A1	GEAR - Planetary	3
59	363456A1	CARRIER - Planetary Hub	1
60	363463A1	BACKING PLATE - Rd Clutch	1
61	363459A1	HOUSING - Rd Clutch	1
62	363480A1	HOUSING - Transmission Rear	1
63	363469A1	HOUSING - Center Web	1
64	363479A1	HOUSING - Park Brake Cover	1
65	363472A1	SLEEVE - Park Brake	1
66	389105A1	TIMKEN BEARING - 32009XM	3
67	363482A1	PLATE - Piston Stop	1
68	363484A1	PISTON - Park Brake	1
69	363483A1	PISTON BRAKE PUSHER	1
70	363486A1	SEPERATOR PLATE - Brake	4
71	389103A1	TIMKEN BEARING - 30008X	1

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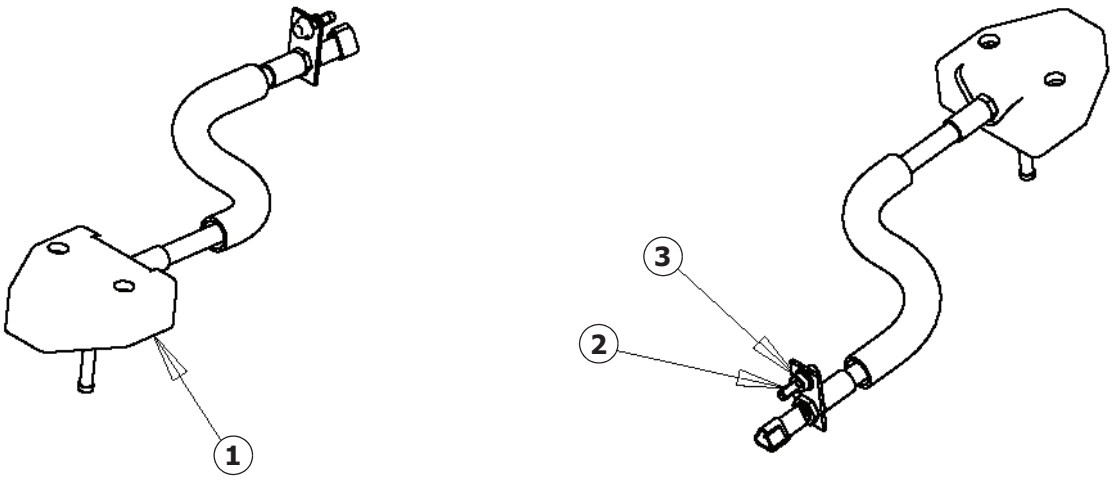
TRANSMISSION, 2 SPEED POWERSHIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106132	TRANSMISSION - 2 Speed, Powershift	1
72	363577A1	CUP - Oil Drain	1
73	A175509	SEAL - Input Shaft	1
74	100-16175	RETAINER RING - External	3
75	A188044	RETAINER, Return Spring	1
76	A188080	SPRING - Piston Return	1
77	329889A1	PISTON - Clutch	1
78	A159297	SEAL - Piston ID	1
79	329896A1	SEAL - Piston OD	1
80	345335A2	SEPERATOR PLATE	4
81	345334A1	FRICTION PLATE	7
82	345336A1	BACKING PLATE	1
83	345337A1	RETAINING RING - Internal	1
84	93129C1	WASHER - Bellville Spring	3
85	1285974C1	SEPERATOR PLATE	3
86	1285975C2	FRICTION PLATE	3
87	1963876C1	RETAINING RING - Internal	1
88	379939A2	VALVE - Hi/Lo	1
89	383591A2	VALVE - Parking Brake	1
90	408476A1	THRUST WASHER	1
91	408477A1	FLANGE - DIN1410	1
92	438402A1	WASHER - Front Flange Plug	1
93	408479A1	SCREW - M10 x 1	1
94	408480A1	SLEEVE - 32 x 36 x 18	1
95	408481A1	PLUG - Level Oil	1
96	408482A1	WELDMENT - Input Shaft	1
97	408483A1	PIPE FITTING - 45° 3/4 UNF - 9/16 JIC	1
98	408484A1	PIPE FITTING - T	1
99	408485A1	PIPE - D8 1/2 JIC	1
100	408486A1	PIPE FITTING - 3/4 UNF - 9/16 JIC	1
101	408487A1	PIPE - D10 9/16 JIC	1
102	408488A1	PIPE - D10 9/16 JIC	1
103	408489A1	PIPE FITTING - 7/16 - 1/2 JIC	1
104	408490A1	CONTROL VALVE GASKET	1
105	408493A1	BUSHING - 180 x 168 x 22	1
106	408494A1	BUSHING - 180 x 185 x 20	1


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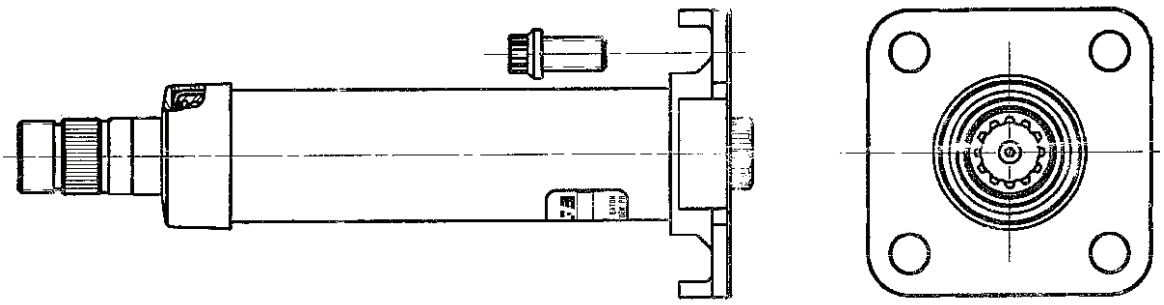
FRONT AXLE DRIVE SHAFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106109	ASSEMBLY - Front Axle Drive Shaft	1
1	AU106124	FLANGE - Connection	2
2	AU106122	JOINT - Universal	2
3	AU106125	WELDMENT - Shaft	1


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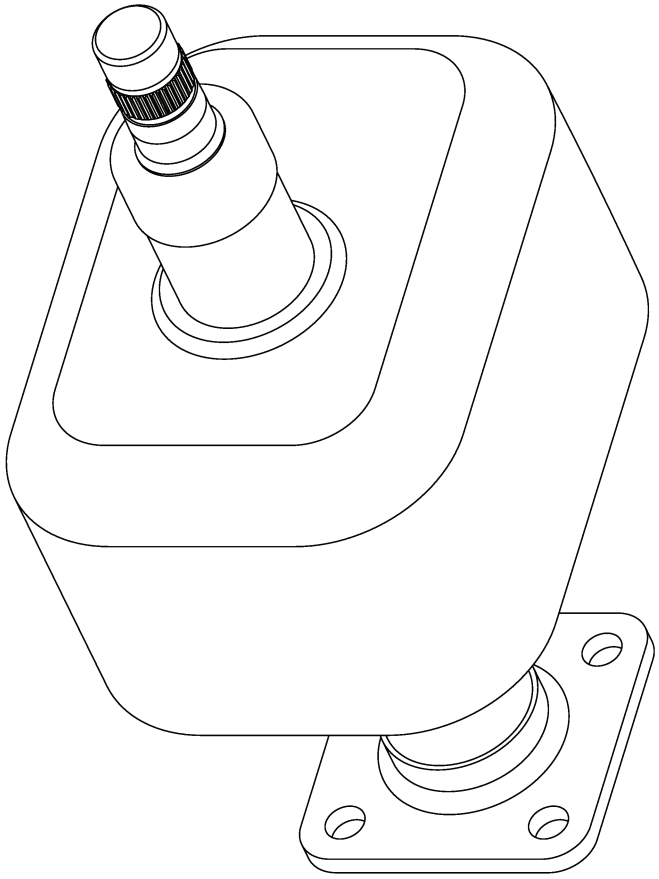
STEERING SENSORS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108299	ASSEMBLY - Steering Sensors	2
1	AU107398	LEAD - Steering Sensor	2
2	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	2
3	AU100526	NUT, METRIC FLANGE PREVAILING - M8	2
4	AU115204	INSTALLATION INSTRUCTIONS	1



STEERING COLUMN - FIXED

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H672220	STEERING COLUMN - Fixed	1



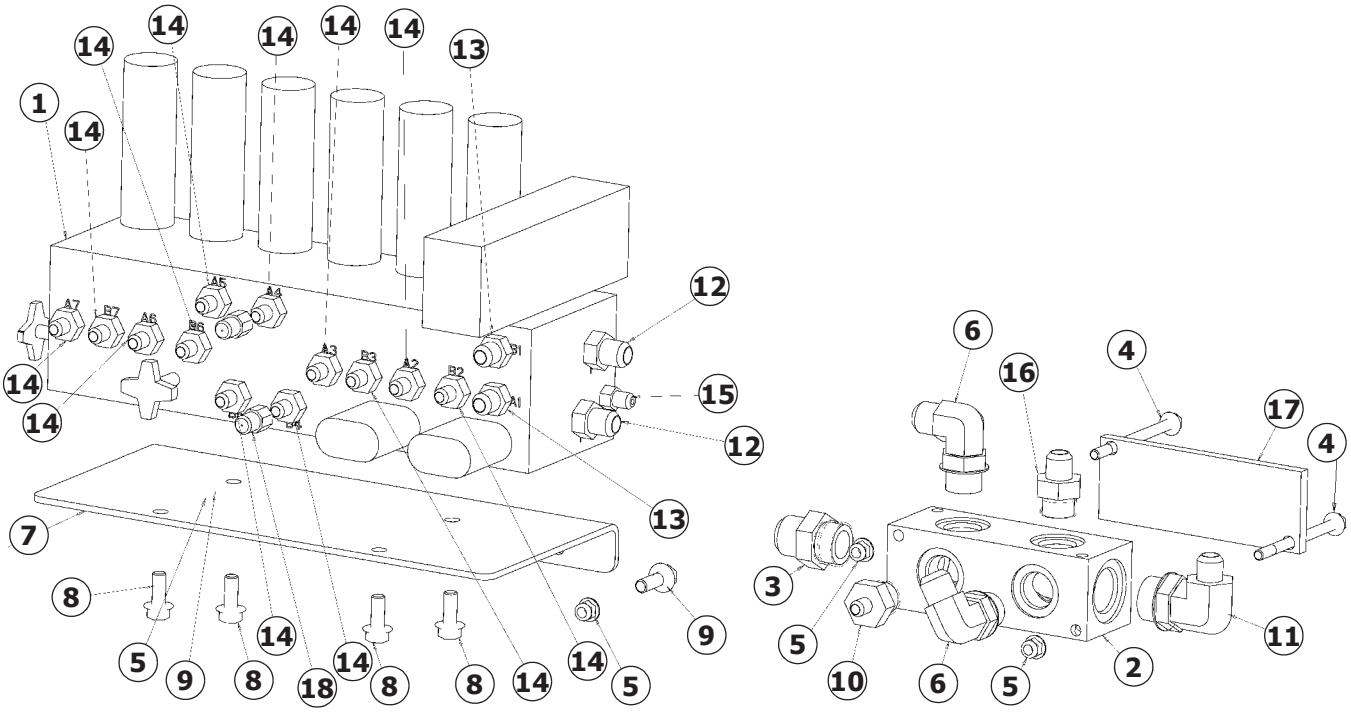
STEERING COLUMN - TILT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU119208	STEERING COLUMN - Tilt	1

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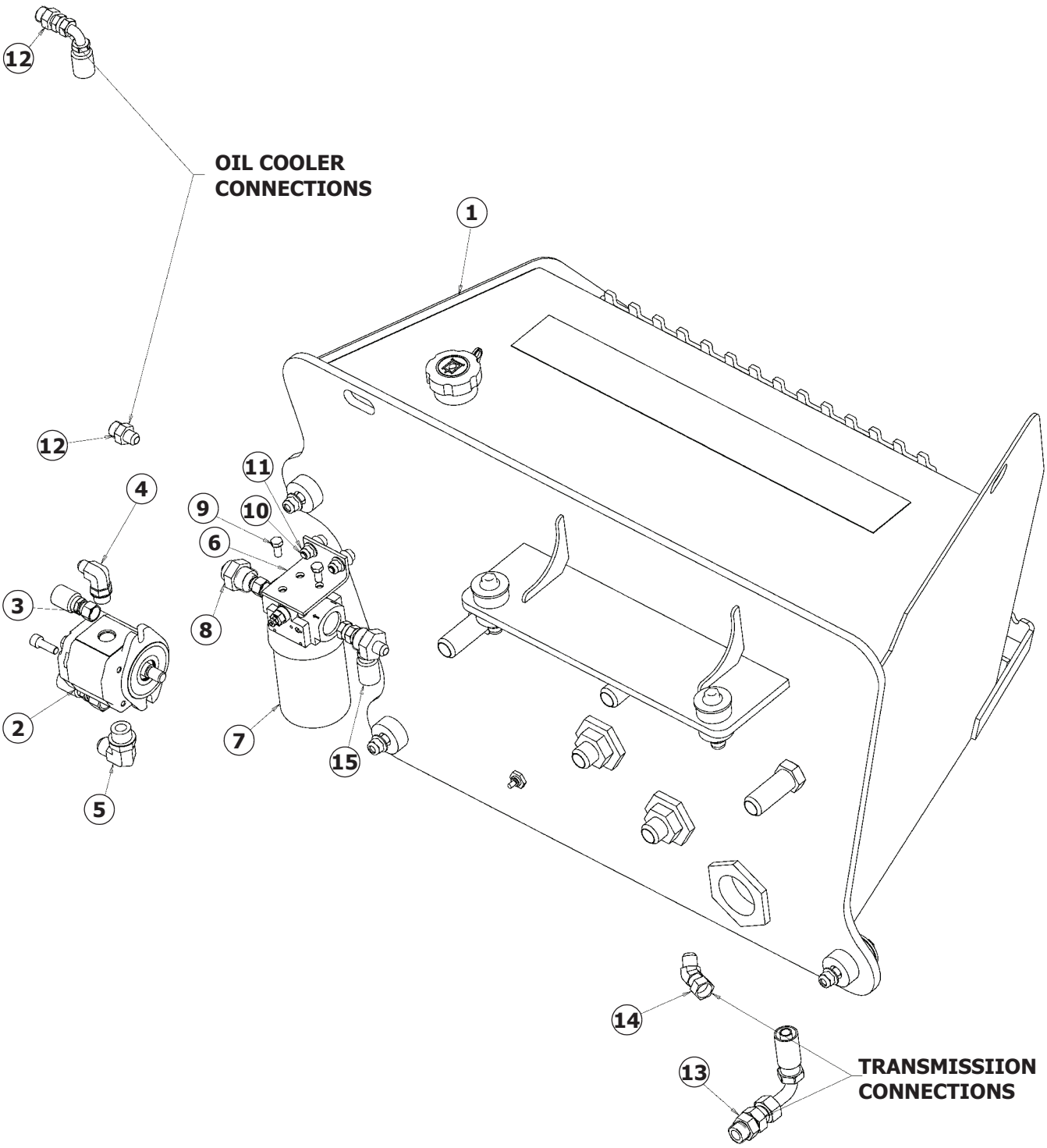
ALPHABETICAL INDEX
HYDRAULIC

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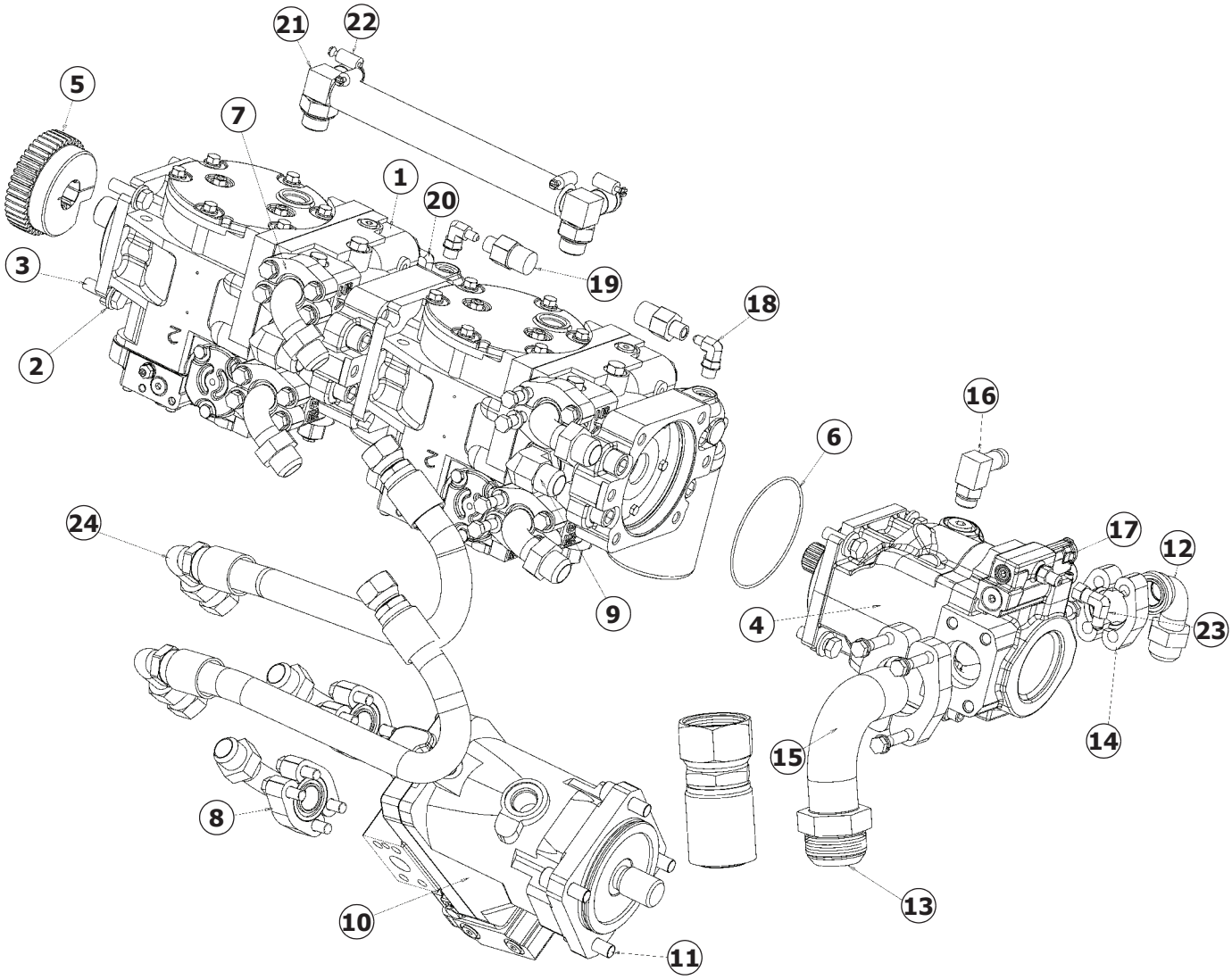
MAIN VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU115766	MANIFOLD - Main HIC Valve	1
2	AU106457	MANIFORD - Hydraulic Return	1
3	218-5069	CONNECTOR - Str Thd 1.0, 37FL-ORB 1.0	1
4	AU100329	SCREW, METRIC FLANGE w/BODY - M8 x 110	2
5	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	4
6	218-5108	ELBOW - 90 Adj 37FL 3/4 Tube	2
7	AU121481	PLATE - Filter Mount	1
8	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	4
9	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	2
10	218-5044	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/4	1
11	218-5130	ELBOW - 90 Adj 37FL 5/8 x 1.0 Tube	1
12	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	2
13	218-5059	CONNECTOR - Str Thd 1/2, 37FL-ORB 1/2	2
14	218-5058	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/2	12
15	218-5352	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/4	1
16	218-5063	CONNECTOR - Str Thd 5/8, 37FL-ORB 3/4	1
17	AU120043	PLATE - Spacer	1
18	AU109671	ORIFICE - 0.047 Inline	2


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OIL COOLER
CONNECTIONS
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TRANSMISSIION
CONNECTIONS

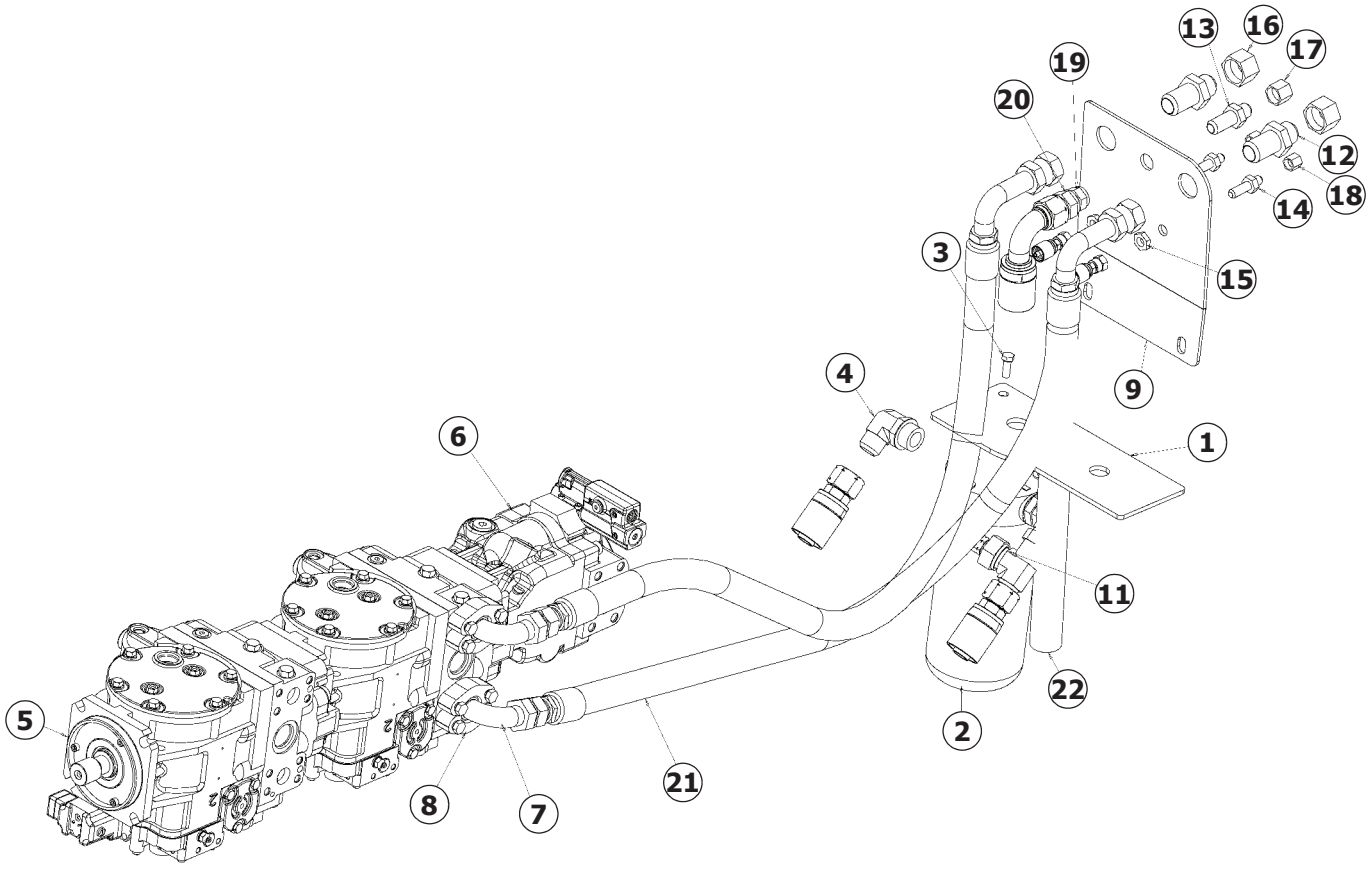
TRANSMISSION OIL COOLER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU118190	ASSEMBLY - Hydraulic Tank	1
2	AU121451	PUMP - Gear	1
3	862-10030	SCREW - Soc Hd, M10 x 30 Class 12.9 ZND	2
4	218-5121	ELBOW - 90 Adj 37FL 1/2 x 5/8 Tube	1
5	218-5108	ELBOW - 90 Adj 37FL 3/4 Tube	1
6	111774A1	BRACKET - Filter Mount	1
7	D121629	ASSEMBLY - Filter, 6 Micron	1
8	218-5071	CONNECTOR - Str Thd 1/2, 37FL-ORB 1.0	2
9	426-612	BOLT - Hex Hd, 0.375 x 0.75 GR8 ZND	2
10	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	2
11	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	2
12	218-5060	CONNECTOR - Str Thd 1/2, 37FL-ORB 5/8	2
13	218-5064	CONNECTOR - Str Thd 3/4, 37FL-ORB 3/4	1
14	218-5174	ELBOW - 45 Swivel, 37FL 5/8 Tube	1
15	AU120448	KIT, Hydraulic Hoses	1


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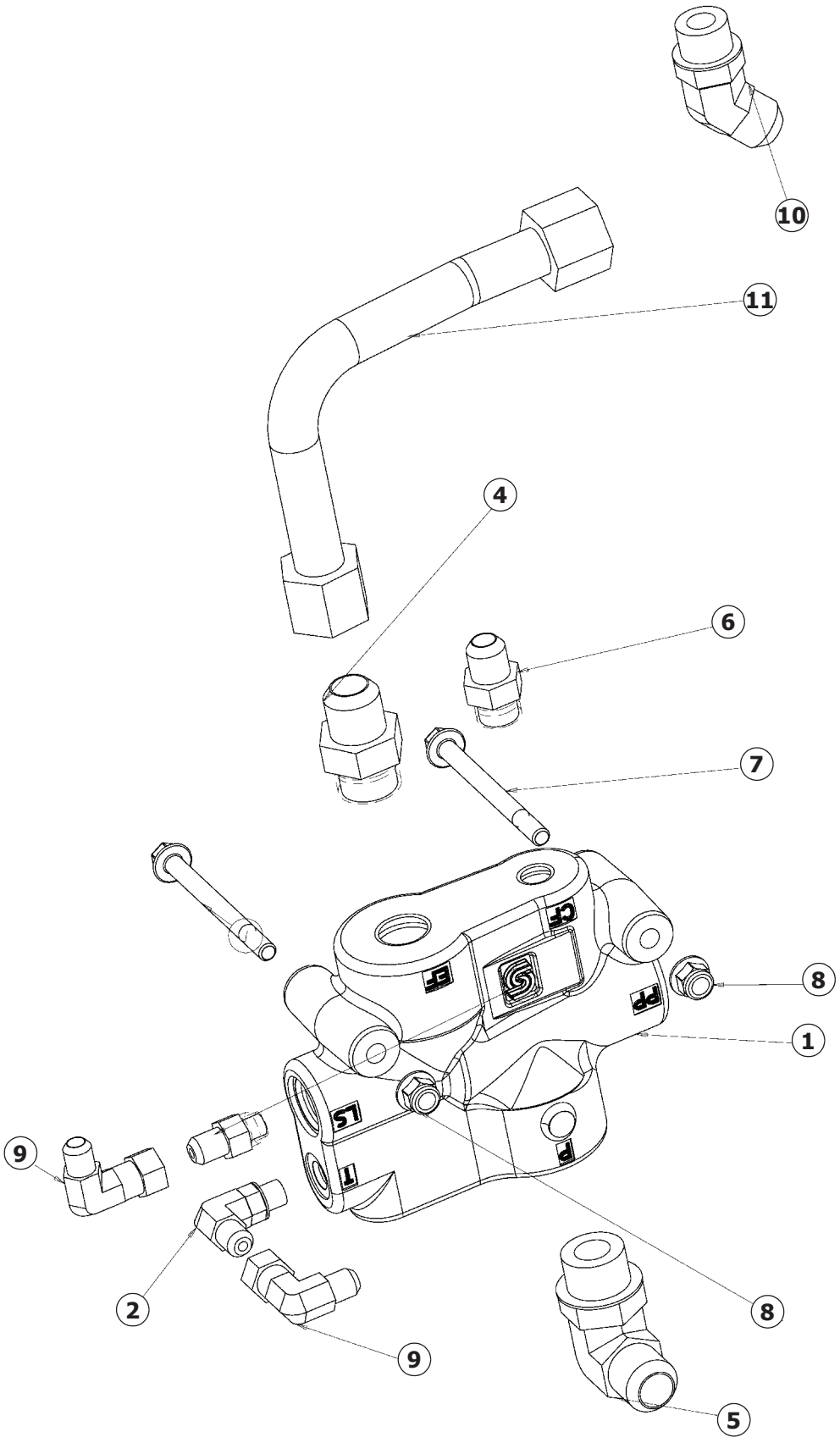
PUMPS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU115782	ASSEMBLY - Pump.	1
2	496-21053	WASHER - 0.531 x 1.072 x 0.134 in HDN ZND	8
3	426-824	BOLT - Hex Hd, k0.500 x 1.50 GR8 ZND	8
4	AU115760	PUMP - JRR075	1
5	358988A1	HUB - Pump Coupling	1
6	70-9004104-1580	O-RING - Dash No. 158, 0.103 Dia x 4.737 ID x 4.943 OD	1
7	H439280	ADAPTER - Hydraulic, Code 62 Flange to Male JIC.	6
8	114285A1	KIT, SPLIT FLANGE -16 Code 62.	6
9	218-5110	ELBOW - 90 Adj 37FL 1.0 Tube	2
10	385343A2	MOTOR - Variable, Bent Axis	1
11	864-14040	SCREW - Soc Hd, M14 x 40 Class 8.8 ZND	4
12	91-500024-16S	ADAPTER - Hydraulic, Code 61 Flange to Male JIC.	1
13	91-500024-32S	ADAPTER - 32FL-32MJ90	1
14	91-FF593-16	KIT, SPLIT FLANGE -16 Code 61.	1
15	91-FF593-32	KIT, SPLIT FLANGE -16 Code 62.	1
16	217-361	STEM - 90 Bead Hose 3/4 ID x 7.8 - 14	1
17	218-5352	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/4	1
18	218-5283	ELBOW - 90 Adj 37FL 1/4 x 3/8 Tube	2
19	443897A1	SWITCH - Pressure (185 PSI).	2
20	218-5105	ELBOW - 90 Adj 37FL 3/8 Tube	1
21	375462A1	FITTING ASSEMBLY - Case Drain	2
22	214-3228	CLAMP - Hose HD Worm Gear 1.75 in w/Lin	4
23	218-980	ELBOW - 90 Swivel 37FL 3/8 Tube.	1
24	AU120448	KIT - Hydraulic Hoses	1


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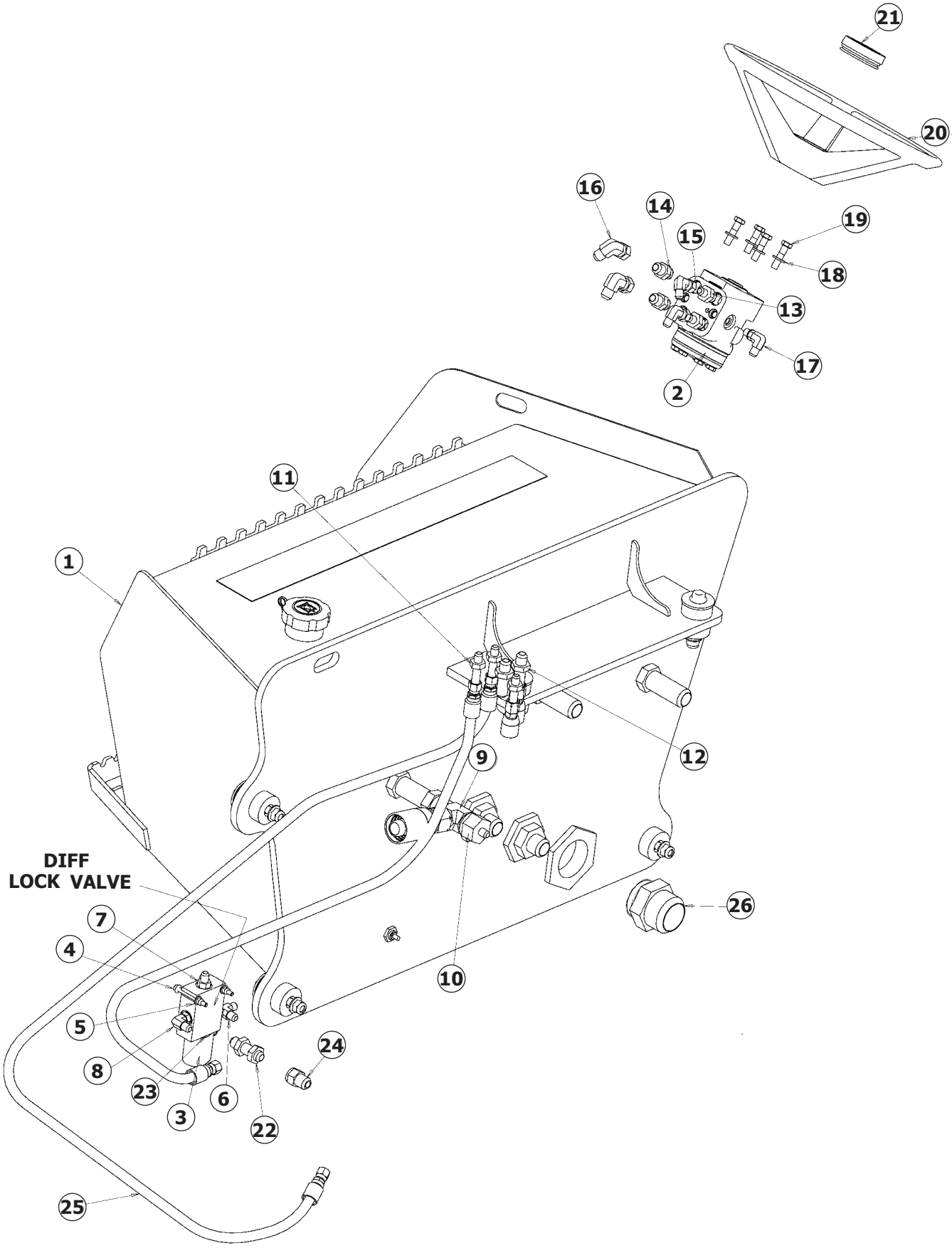
RETURN FILTER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU119813	PLATE - Hydraulic Filter Mounting	1
2	H674791	ASSEMBLY - Return Filter	1
3	426-616	BOLT - Hex Hd 0.375 x 1.00 GR8 ZND	3
4	218-5110	ELBOW - 90 Adj 37FL 1.0 Tube	2
5	AU115782	ASSEMBLY - Pump	1
6	AU115760	PUMP - JRR075	1
7	H439280	ADAPTER, HYDRAULIC - Code 62 Flange to Male JIC	2
8	114285A1	KIT, SPLIT FLANGE -16 Code 62	2
9	AU118263	PLATE - Fitting Mount	1
10	218-5223	CONNECTOR - Tee, Swivel Run 37FL 1.0 x 1.0 x 1.0	1
11	91-2215-16-8S	ADAPTER	1
12	218-678	UNION - Bulkhead 37FL 1.0 Tube	2
13	218-675	UNION - Bulkhead 37FL 5/8 Tube	1
14	218-673	UNION - Bulkhead 37FL 3/8 Tube	2
15	218-1254	NUT - Bulkhead Lock 9/16-18 x 3/8 Tube	2
16	218-758	CAP - 37FL 1.0 Tube	2
17	218-756	CAP - 37FL 5/8 Tube	1
18	218-754	CAP - 37FL 3/8 Tube	2
19	91-2215-10-12S	ADAPTER - Tube IPC 37FL 5/8 x 3/4	1
20	91-2215-12-16S	ADAPTER - Tube IPC 37FL 3/4 x 1.0	1
21	AU120448	KIT - Hydraulic Hose	1
22	AU120128	WRAP - Spiral Hose Guard	1


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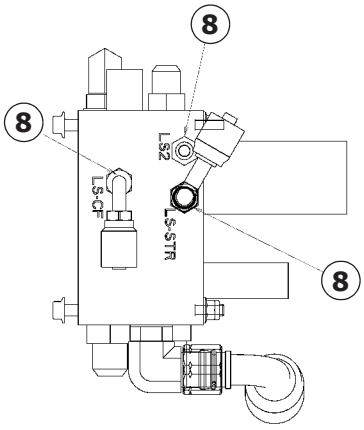
FLOW DIVIDER

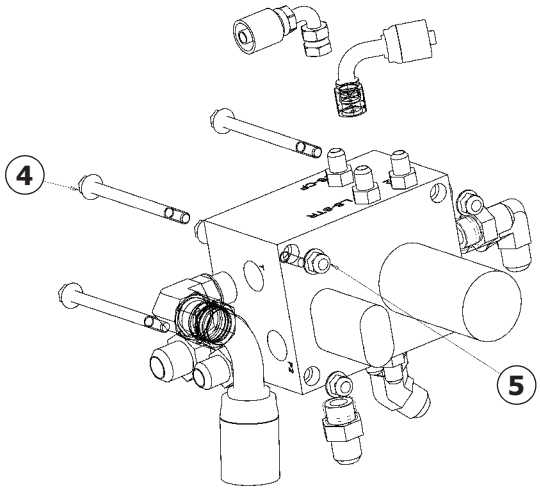
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU115763	VALVE - Priority Flow Divider	1
2	218-5278	ELBOW - 90 Adj 37FL 3/8 x 1/4 Tube	1
3	218-5352	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/4	1
4	218-5064	CONNECTOR - Str Thd 3/4, 37FL-ORB 3/4	1
5	218-5108	ELBOW - 90 Adj 37FL 34 Tube	1
6	218-5059	CONNECTOR - Str Thd 1/2, 37FL-ORB 1/2	1
7	AU100327	SCREW, METRIC FLANGE w/BODY - M8 x 90	2
8	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	2
9	218-980	ELBOW - 90 Swival 37FL 3/8 Tube	2
10	218-5137	ELBOW - 45 Adj 37FL 5/8 Tube	1
11	AU122191	ASSEMBLY - Tube	1

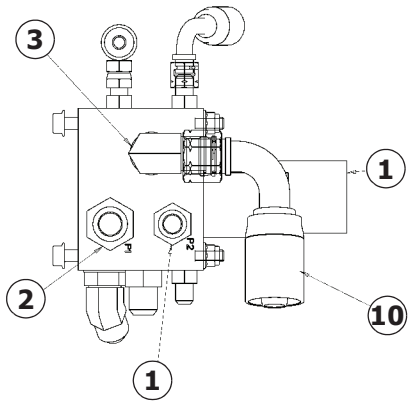

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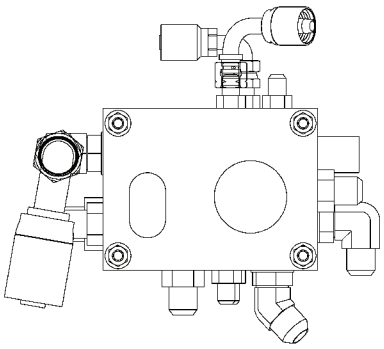
STEERING VALVE

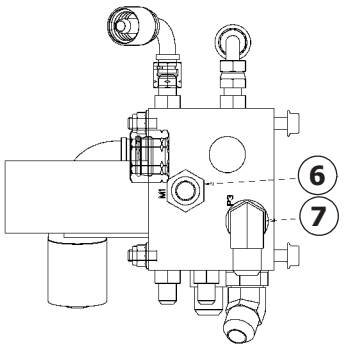
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU118190	ASSEMBLY - Hydraulic Tank	1
2	AU115762	VALVE - Steering	1
3	187505C91	VALVE - Solenoid	1
4	AU100315	SCREW, METRIC FLANGE w/BODY - M6 x 60	2
5	AU100525	NUT, METRIC FLANGE PREVAILING - M6, Zinc	2
6	218-5243	CONNECTOR - Tee, Adj Run, 37FL 3/8 x 3/8 x 3/8	1
7	218-5057	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/8	1
8	218-5105	ELBOW - 90 Adj 37FL, 3/8 Tube	1
9	218-5223	CONNECTOR - Tee, Swival Run, 37FL 1 x 1 x 1	1
10	218-724	ADAPTER - Tube IPC 37FL, 1.0 x 3/8	1
11	218-673	UNION - Bulkhead 37FL, 3/8 Tube	3
12	218-674	UNION - Bulkhead 37FL, 1/2 Tube	3
13	218-5058	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/2	2
14	218-5059	CONNECTOR - Str Thd 1/2, 37FL-ORB 1/2	2
15	218-980	ELBOW - 90 Swival 37FL, 3/8 Tube	2
16	218-5230	ELBOW - 90 Swival 37FL, 1/2 Tube	2
17	218-5278	ELBOW - 90 Adj 37FL, 3/8 x 1/4 Tube	1
18	496-21041	WASHER - 0.406 x 0.812 x 0.089 in HDN ZND	4
19	426-624	BOLT - Hex Hd 0.375 x 1.50 GR8 ZND	4
20	A65544	WHEEL - Steering	1
21	114882A2	CAP - Steering Wheel	1
22	218-1255	NUT - Bulkhead Lock 3/4-16 x 1/2 Tube	1
23	218-755	CAP - 37FL 1/2 Tube.	1
24	218-725	ADAPTER - Tube IPC 37FL, 1/2 x 5/8	1
25	AU120448	KIT - Hydraulic Hose	1
26	91-202702-32-32S	CONNECTOR - Str Thd 1.75, 37FL-ORB 1.75	1

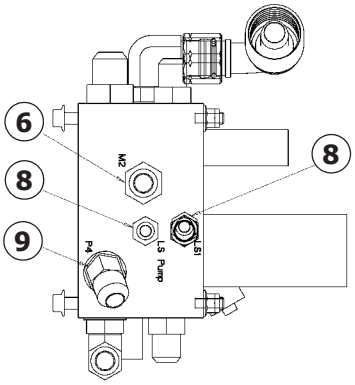

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P4
LS Pump
LS1

FAN VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118201	HYDRAULICS GROUP	REF
1	AU115768	MANIFOLD - Fan HIC	1
2	218-5064	CONNECTOR - Str Thd 3/4, 37FL-ORB 3/4	1
3	218-5123	ELBOW - 90 Adj 37FL, 3/4 x 5/8 Tube	1
4	AU100329	SCREW, METRIC FLANGE w/BODY - M8 x 110	4
5	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	4
6	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	3
7	218-5107	ELBOW - 90 Adj 37FL, 5/8 Tube	1
8	218-5057	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/8	5
9	218-5137	ELBOW - 45 Adj 37FL, 5/8 Tube	1
10	AU120448	KIT - Hydraulic Hose	1

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HOSE KIT

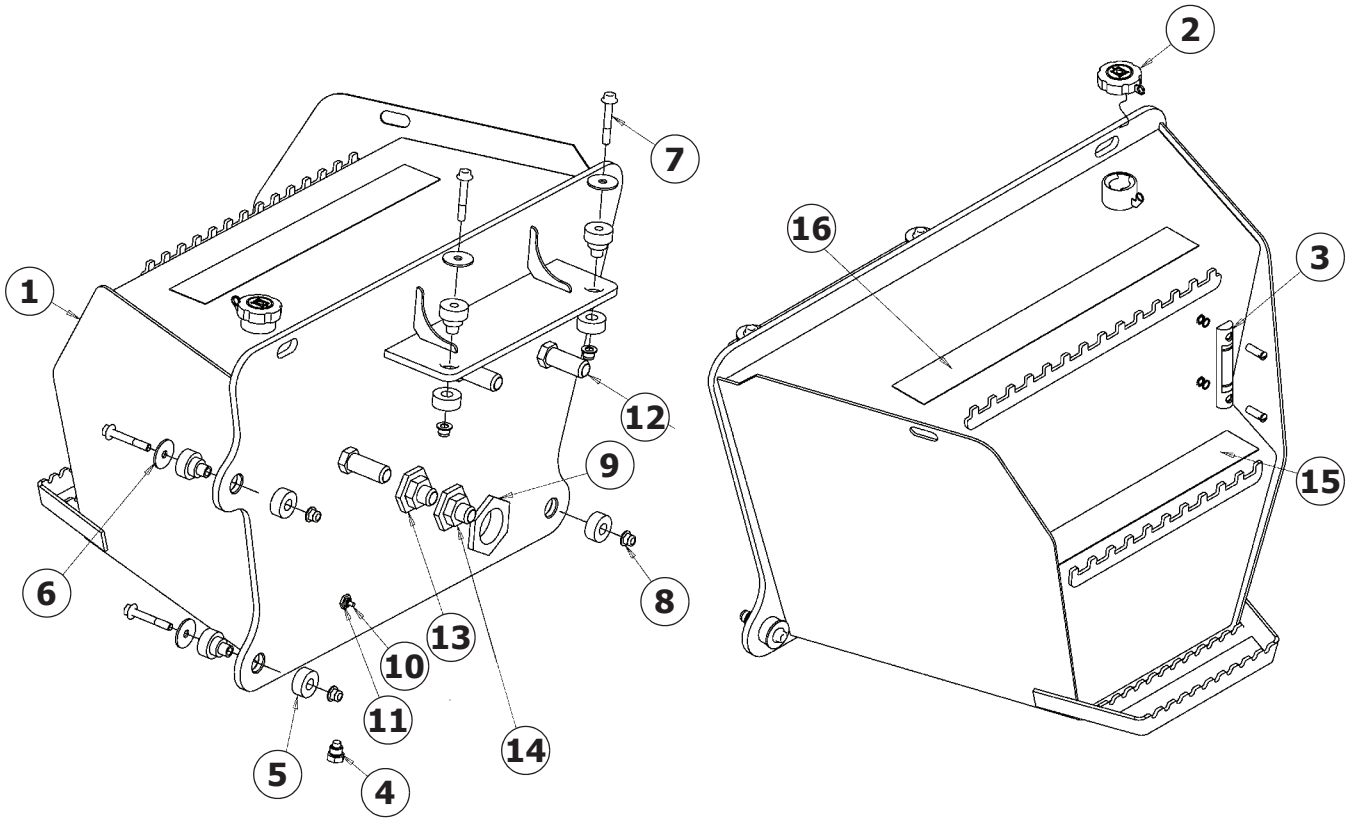
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU120448	HOSE KIT	REF
1	AU118240	HOSE, Hyd, Priority steering valve tank port to return manifold bottom rear port	1
2	AU118241	HOSE, Hyd, Load sense pump "B" outlet to priority valve "P" inlet port	1
3	AU118257	HOSE, Hyd, Tee at return filter inlet to rear end of return manifold	1
4	AU122180	HOSE, Hyd, "CF" port of priority valve to "P" bulkhead of steering valve	1
6	AU118262	HOSE, Hyd, "LS" port of flow divider to tee at "LS1" port of fan valve (horizonal leg)	1
7	AU118231	HOSE, Hyd, Pressure port of transmission pump to inlet of transmission filter	1
8	AU118232	HOSE, Hyd, Outlet of transmission filter to inlet of transmission oil cooler	1
9	AU120136	HOSE, Hyd, Outlet of transmission oil cooler to inlet of transmission	1
10	AU118233	HOSE, Hyd, Outlet of transmission to inlet port of transmission pump	1
11	H439284	HOSE, Hyd, "A" port ground drive pump (1st pump) to "B" port ground drive 51 motor	1
12	H439284	HOSE, Hyd, "B" port ground drive pump (1st pump) to "A" port ground drive 51 motor	1
13	AU106602	HOSE, Hyd, "A" port attach drive pump (2nd pump) to LH bulkhead at rear plate	1
14	AU106602	HOSE, Hyd, "B" port attach drive pump (2nd pump) to RH bulkhead at rear plate	1
15	AU120219	HOSE, Hyd, "L1" port load sense pump to upper rear tank return bulkhead	1
16	H249029	HOSE, Hyd, Rear "X" load sense port of load sense pump to "LS Out" port fan valve	1
17	AU122172	HOSE, Hyd, "S" suction port of load sense pump to rear lower suction port of tank	1
18	AU120252	HOSE, Hyd, "S" suction port attach drive pump (2nd) to center suction port of tank	1
19	AU120252	HOSE, Hyd, "S" suction port ground drive pump (1st) to front suction port of tank	1
20	AU120263	HOSE, Hyd, Charge filter ground drive pump (1st) to "P" port diff lock valve	1
21	AU120264	HOSE, Hyd, "C2" tee at diff lock valve (run) to rear axle diff lock	1
22	S77121	HOSE, Hyd, "C2" tee at diff lock valve (branch) to front axle diff lock	1
23	104410A1	HOSE, Hyd, "T" port diff lock valve to tee at tank front return port	1
24	AU120265	HOSE, Hyd, Tee at "L2" port of ground drive motor to case drain rear bulkhead	1
25	H169417	HOSE, Hyd, Tee at "L2" port attach drive pump (2nd) to tee at "L2" port grnd drive motor	1
26	399336A1	HOSE, Hyd, Tee at "L2" port attach drive pump (2nd) to tee at "L2" port grnd drive pump	1
27	AU120279	HOSE, Hyd, Out of return filter to middle return port of tank	1
28	AU120310	HOSE, Hyd, Tank bulkhead of backhoe return to lower front side of return manifold	1
29	AU120321	HOSE, Hyd, "T" port of main HIC valve to top front port of return manifold	1
30	AU120322	HOSE, Hyd, "T" port of fan HIC valve to top rear port of return manifold	1
31	AU120329	HOSE, Hyd, "T" bulkhead of steering valve to inlet end of return manifold	1
33	AU120331	HOSE, Hyd, "P" port of steering valve to "P" bulkhead of steering valve	1
34	AU120331	HOSE, Hyd, "T" port of steering valve to "T" bulkhead of steering valve	1
35	AU120332	HOSE, Hyd, "L" port of steering valve to "L" bulkhead of steering valve	1
36	AU120333	HOSE, Hyd, "R" port of steering valve to "R" bulkhead of steering valve	1
37	AU114629	HOSE, Hyd, "L" end of front steering cylinder to "L" bulkhead of steering valve	1
38	AU114629	HOSE, Hyd, "R" end of front steering cylinder to "R" bulkhead of steering valve	1
39	104409A1	HOSE, Hyd, "LS" port of steering valve to "LS" bulkhead of steering valve	1
40	AU120334	HOSE, Hyd, "LS" bulkhead of steering valve to tee at "LS1" port of fan valve	1
41	AU120339	HOSE, Hyd, "P" bulkhead of backhoe valve to "STR OUT" of fan HIC valve	1
42	AU120341	HOSE, Hyd, "T" port of aux valve to tee at hyd filter inlet	1
43	AU120342	HOSE, Hyd, "P" port of aux valve to "P2" port of fan HIC valve	1
44	AU120343	HOSE, Hyd, "LS" port of aux valve to "LS2" port of fan HIC valve	1
45	AU120263	HOSE, Hyd, "LS" port of main valve to "LS3" port of fan HIC valve	1
46	AU120345	HOSE, Hyd, "P3" port of fan HIC valve to "P" port of main valve	1
47	AU120347	HOSE, Hyd, "A" port of fan motor to "M1" port of fan HIC valve	1
48	AU120347	HOSE, Hyd, "B" port of fan motor to "M2" port of fan HIC valve	1
49	AU120350	HOSE, Hyd, Tee at HOC outlet to tee at front tank return port	1
50	AU120352	HOSE, Hyd, Tee at HOC outlet to outlet of HOC bypass check valve	1
51	AU120417	HOSE, Hyd, Tee at "L2" port grnd drve pump (1st) to tee in frnt of HOC bypass check valve	1

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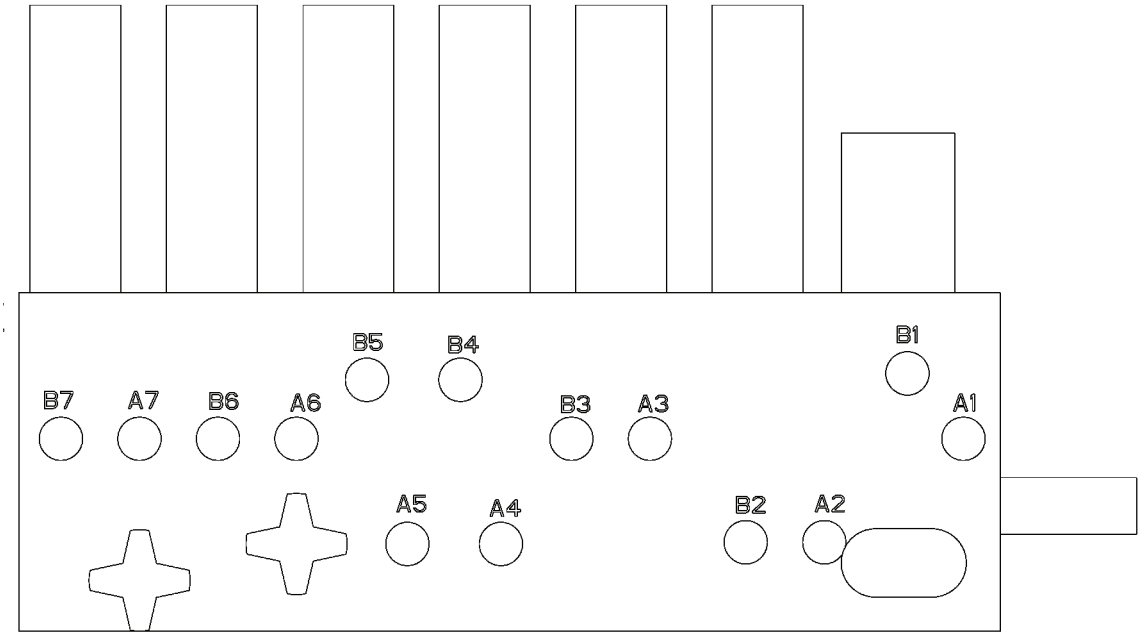
HOSE KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU120448	HOSE KIT	REF
52	AU118231	HOSE - Hyd, "L2" port of fan motor to tee in front of HOC bypass check valve	1
53	382422A1	HOSE - Hyd, HOC inlet to outlet tee of HOC bypass valve	1
54	AU120419	HOSE - Hyd, "A1" port of main HIC valve to tee on LH blade swing cylinder	1
55	AU120419	HOSE - Hyd, "B1" port of main HIC valve to tee on RH blade swing cylinder	1
56	AU120440	HOSE - Hyd, "A1" port of main HIC valve to bottom RH side of RH front bulkhead	1
57	AU120440	HOSE - Hyd, "B2" port of main HIC valve to bottom LH side of RH front bulkhead	1
60	H438495	HOSE - Hyd, "A4" port of main HIC valve to LH rear steering	1
61	H438495	HOSE - Hyd, "B4" port of main HIC valve to RH rear steering	1
62	107619A2	HOSE - Hyd, "A5" port of main HIC valve to bottom RH side of LH front bulkhead	1
63	107619A2	HOSE - Hyd, "B5" port of main HIC valve to bottom LH side of LH front bulkhead	1
64	107619A2	HOSE - Hyd, "A6" port of main HIC valve to top RH side of LH front bulkhead	1
65	107619A2	HOSE - Hyd, "B6" port of main HIC valve to top LH side of LH front bulkhead	1
66	107621A2	HOSE - Hyd, "A7" port of main HIC valve to LH bulkhead of trencher lift	1
67	107621A2	HOSE - Hyd, "B7" port of main HIC valve to RH bulkhead of trencher lift	1
68	AU120579	HOSE - Hyd, Remote engine oil drain bulkhead to tube at bottom of engine oil pan	1


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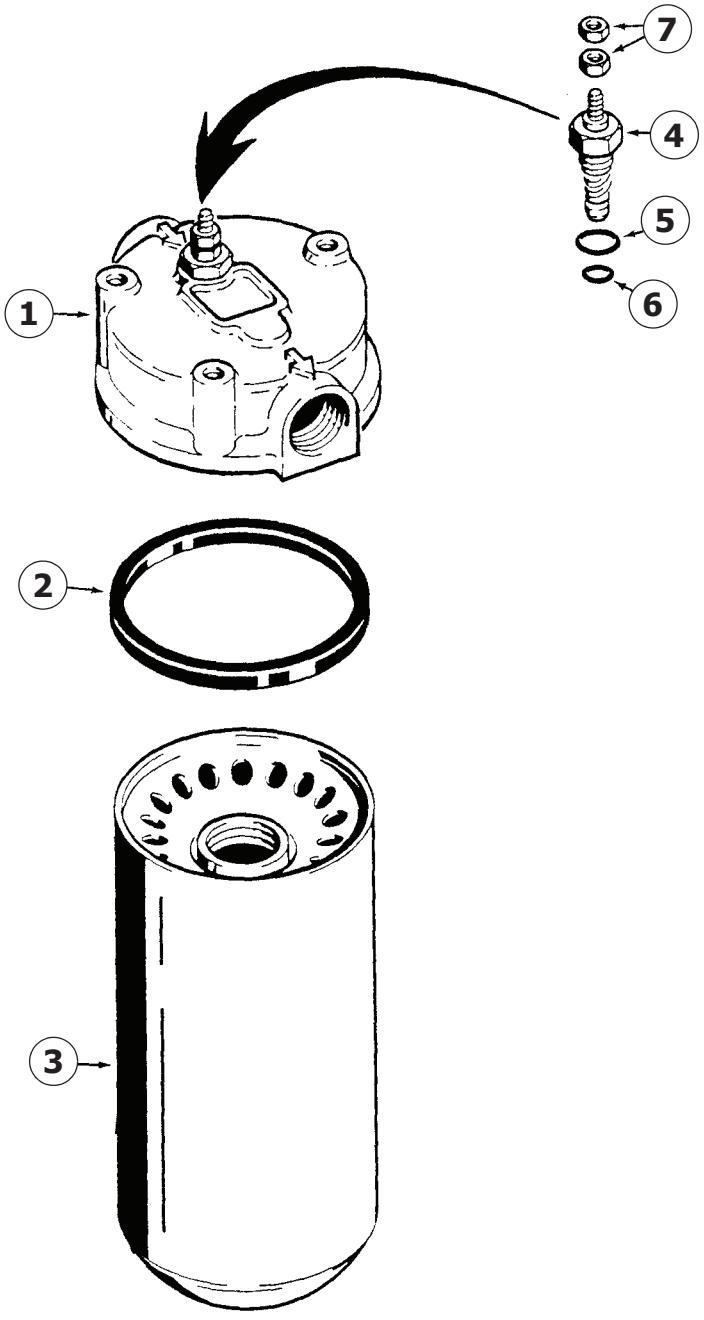
TANK - HYDRAULIC OIL

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118190	ASSEMBLY - Hydraulic Oil Tank	1
1	AU118191	WELDMENT - Hydraulic Tank	1
2	AU105820	CAP - Hydraulic Fluid w/Lock	1
3	L116247	GAUGE - Liquid Level	1
4	AU119908	PLUG - Magnetic, Hex Head	1
5	8NG28121	ISOLATOR - Universal Mounting	5
6	496-81018	WASHER - 0.521 x 2.000 x 0.134 in HDN ZND	5
7	AU100353	SCREW, METRIC FLANGE w/BODY - M12 x 80	5
8	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	5
9	8FL10013	STRAINER - Suction, 32 SAE	1
10	AU119493	SENSOR - Temperature	1
11	637-63153	O-RING - 2.20W x 15.31D mm Class 6	1
12	91-202713-16-16S	CONNECTOR - Long Str Thd 1.0, 37FL-ORB 1.0	3
13	AU118209	SCREEN - Suction, -32 x -20 Orb 100 Mesh	2
14	218-5086	CONNECTOR - Str Thd 1.0, 37FL-ORB 1.25	2
15	AU105912	ANTI-SKID TAPE STRIP - Lower Step	1
16	H433994	ANTI-SKID TAPE STRIP - Upper Step	1


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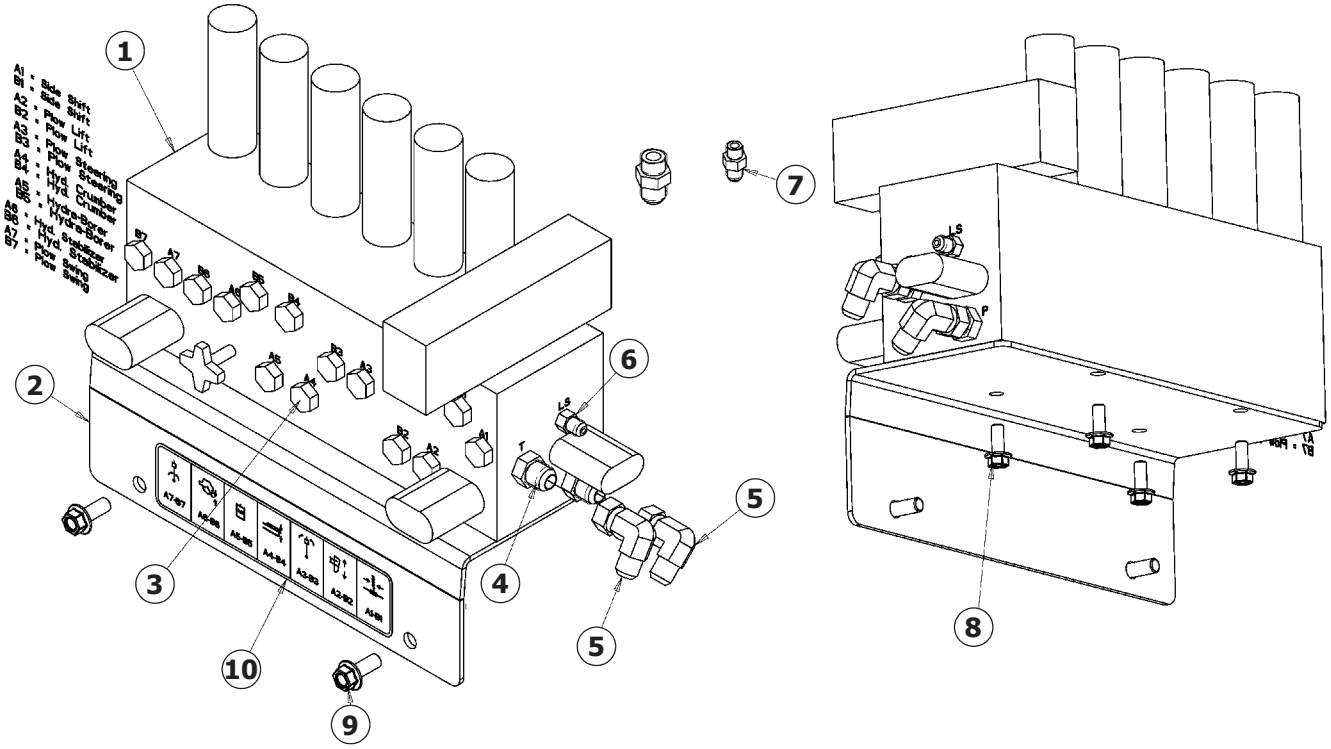
HIC MAIN VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU115766	VALVE - HIC Main	REF
1	AU119090	CARTRIDGE	6


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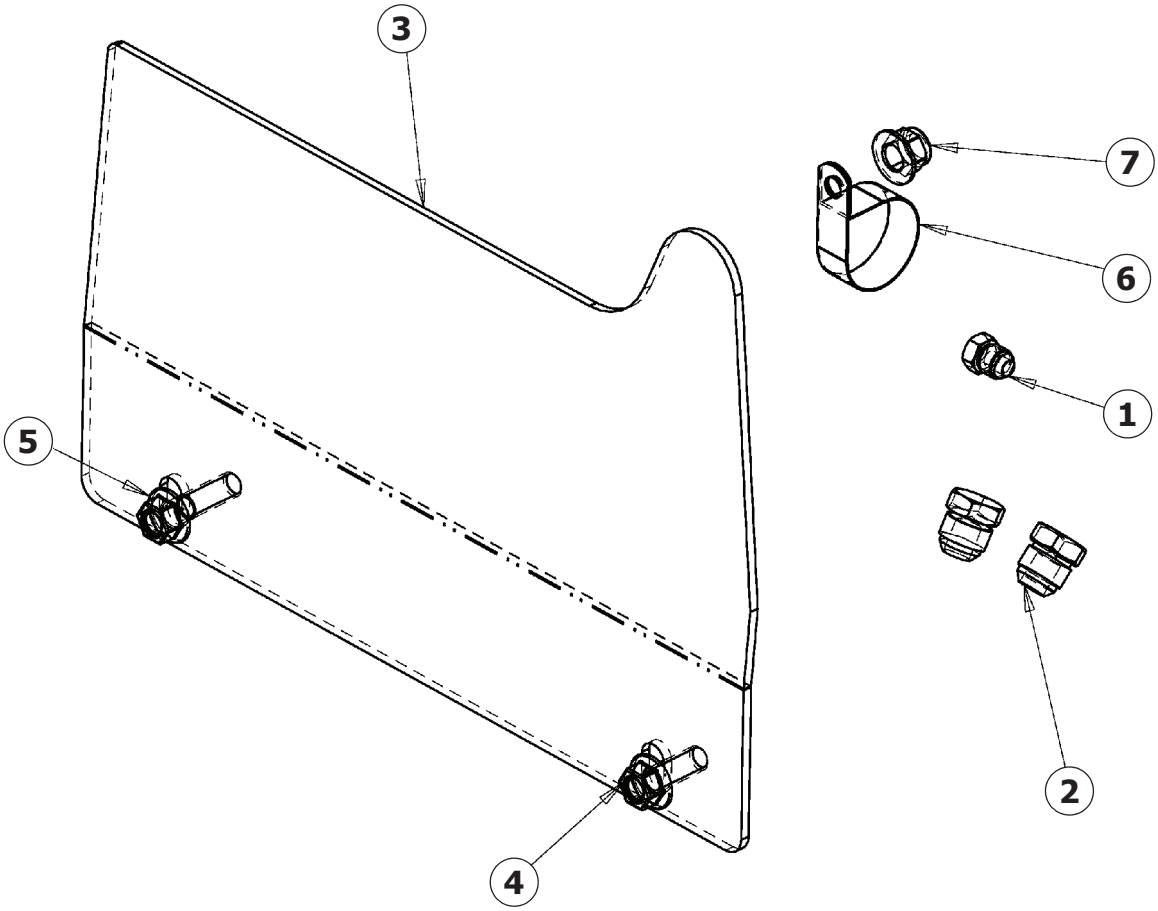
FILTER ASSY - OIL RETURN

REF.	PART NO.	DESCRIPTION	REQ'D.
	H674791	ASSEMBLY - Filter, Hydraulic Oil (Includes items 1 - 7)	2
1	NSS	HEAD - Filter	1
2	123010C1	SEAL - Filter Element	1
3	H439069	ELEMENT - Filter.	1
	N7782	SENDER - Filter Restriction (Includes items 4 - 7)	1
4	NSS	SWITCH - Sender	1
5	237-6008	O-RING - 41/64 ID x 3/32	1
6	238-5111	O-RING - 7/16 ID x 3/32	1
7	225-14110	NUT - # 10	2


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AUXILIARY VALVE ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118607	ASSEMBLY - Auxiliary Valve	1
1	AU115767	VALVE - HIC, Auxiliary	1
2	AU121486	PLATE - Valve Mount	1
3	218-5156	PLUG - Hex Hd ORB 1/2	14
4	218-5062	CONNECTOR - Str Thd 5/8, 37FL - ORB 5/8	3
5	218-5232	ELBOW - 90 Swivel 37FL 5/8 Tube	2
6	218-5352	CONNECTOR - Str Thd 3/8, 37FL - ORB 1/4	1
7	218-5057	CONNECTOR - Str Thd 3/8, 37FL - ORB 3/8	1
8	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	4
9	AU101477	SCREW, METRIC FLANGE w/BODY - M12 x 30	2
10	AU119123	DECAL - Control Valve Legend	1


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NO AUXILIARY VALVE OPTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118613	ASSEMBLY - No Auxiliary Valve Option	1
1	218-774	PLUG - 37 Deg JIC, -6, 9/16-18	1
2	218-776	PLUG - 37 Deg JIC, -10, 7/8-14	2
3	AU124405	PLATE - Cover	1
4	AU101477	SCREW, METRIC FLANGE w/BODY - M12 x 30	1
5	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	1
6	515-23444	CLAMP - Insul, 44.4 mm, 3/8 in Bolt ZND	1
7	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	1

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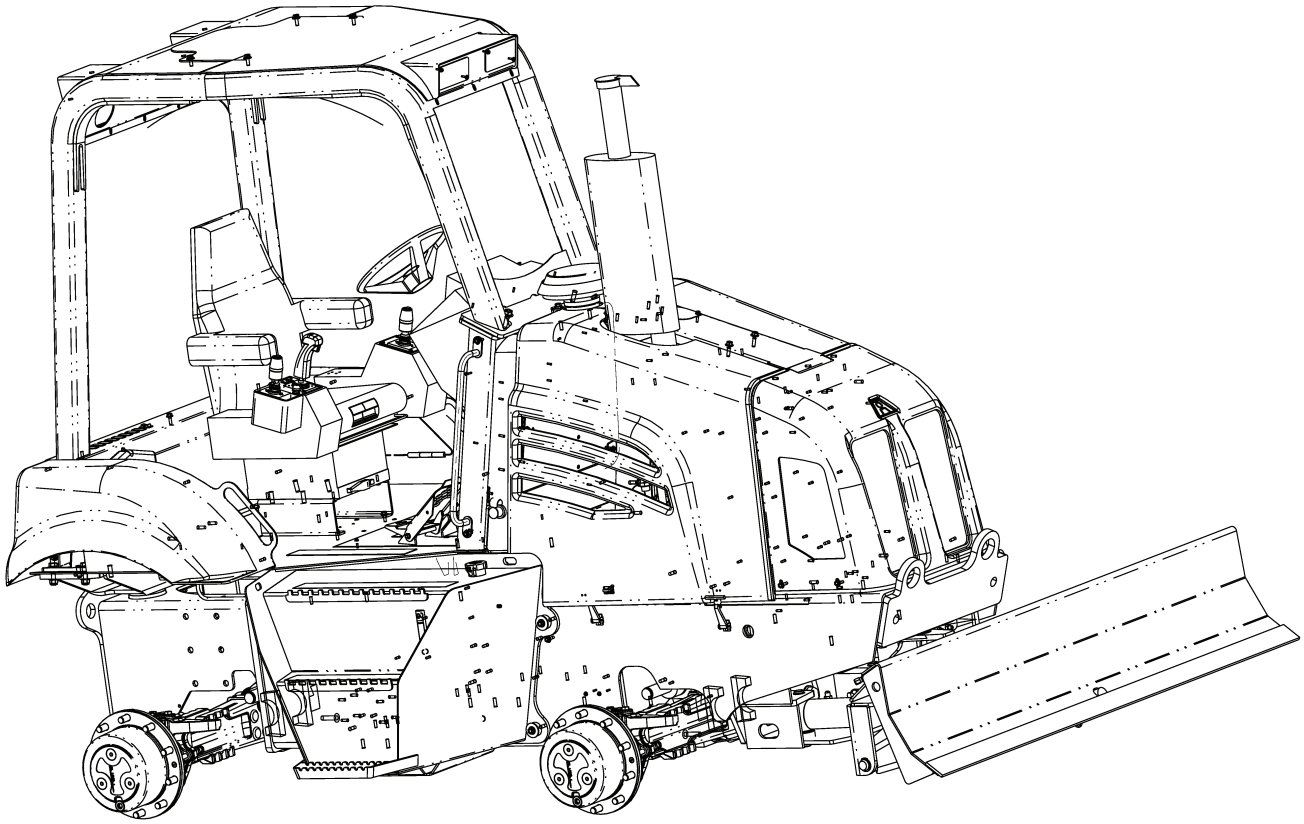
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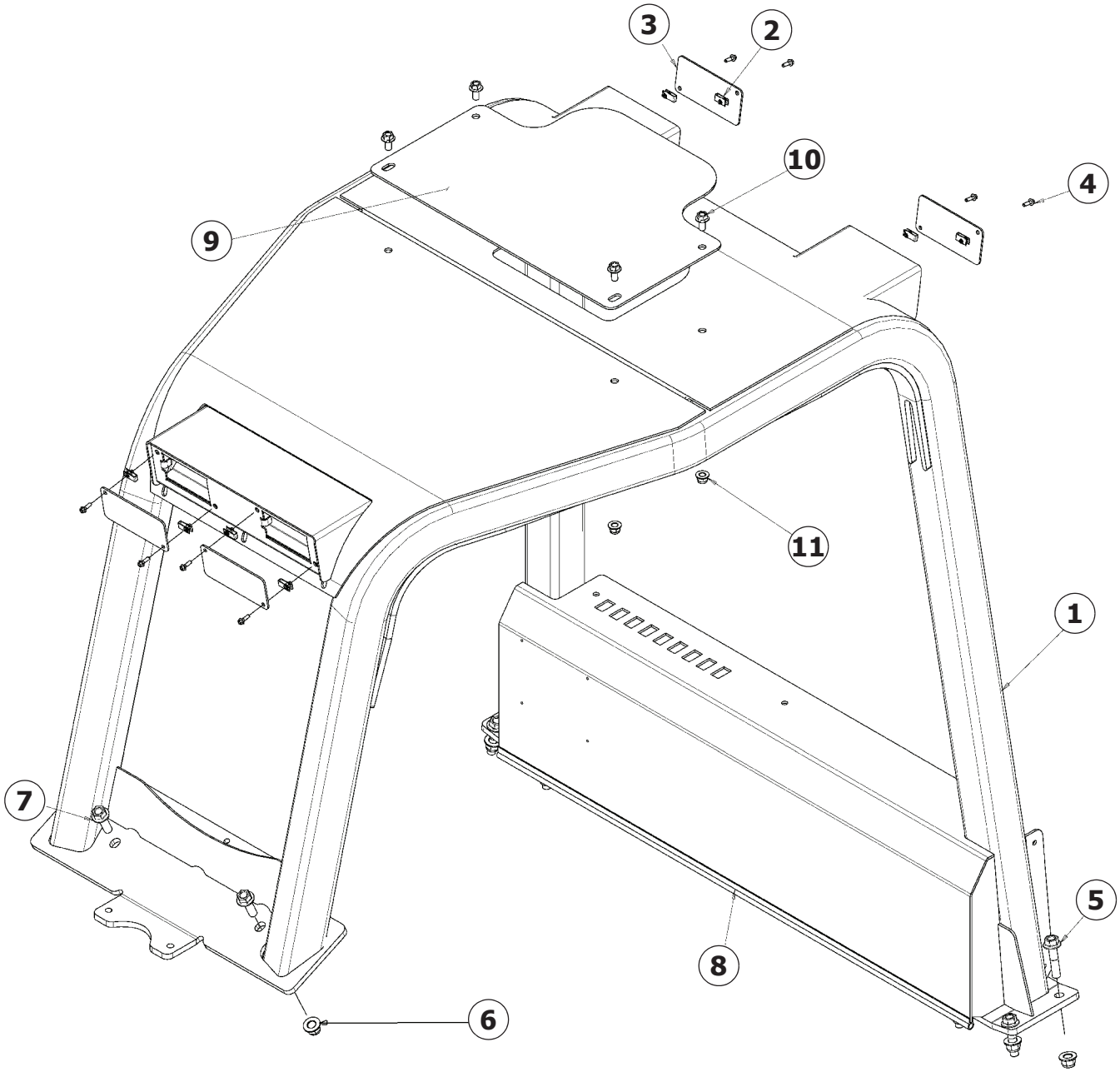
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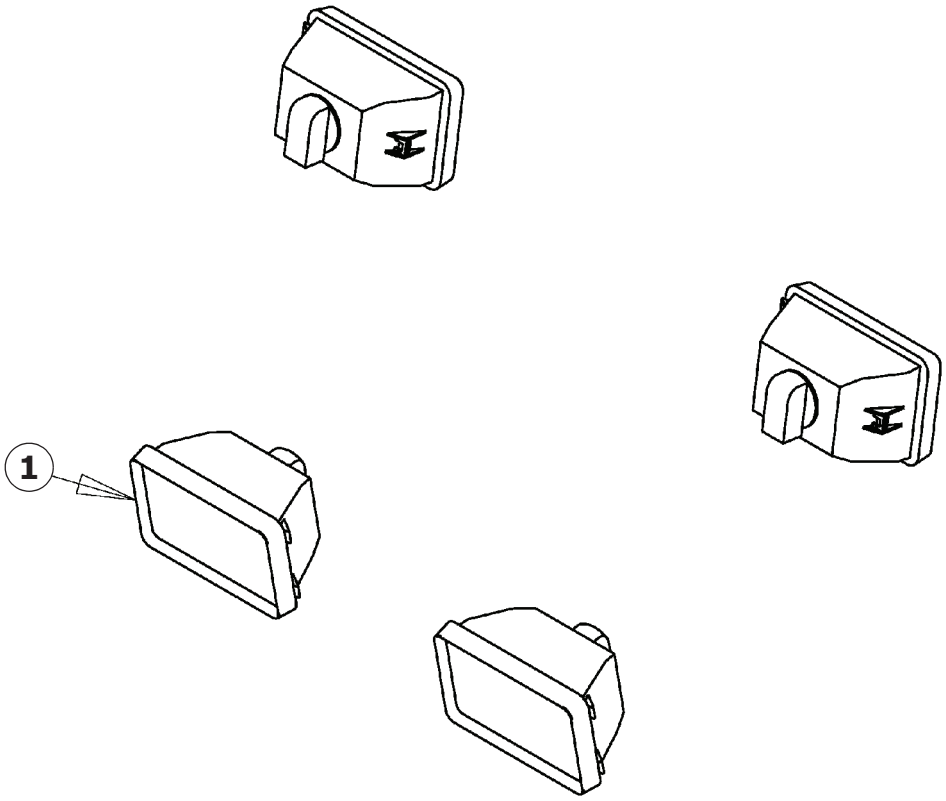
BASE TRACTOR

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116759	ASSEMBLY - Base Tractor	1
1	AU116094	ASSEMBLY - Chassis, Hoods & Covers	1
2	AU116570	ASSEMBLY - Engine	1
3	AU104956	ASSEMBLY - Ground Drive	1
4	AU116630	ASSEMBLY - Intake and Exhaust Group	1
5	AU116867	ASSEMBLY - Operator Station	1
6	AU116760	ASSEMBLY - Backfill Blade	1
7	AU116549	ASSEMBLY - Roll Over Protection System (ROPS)	1
8	AU118024	ASSEMBLY - Fuel Tank	1
9	AU118201	ASSEMBLY - Hydraulics Group	1
10	AU118580	ASSEMBLY - Electrical Group	1
11	AU118622	ASSEMBLY - Cooling Package	1


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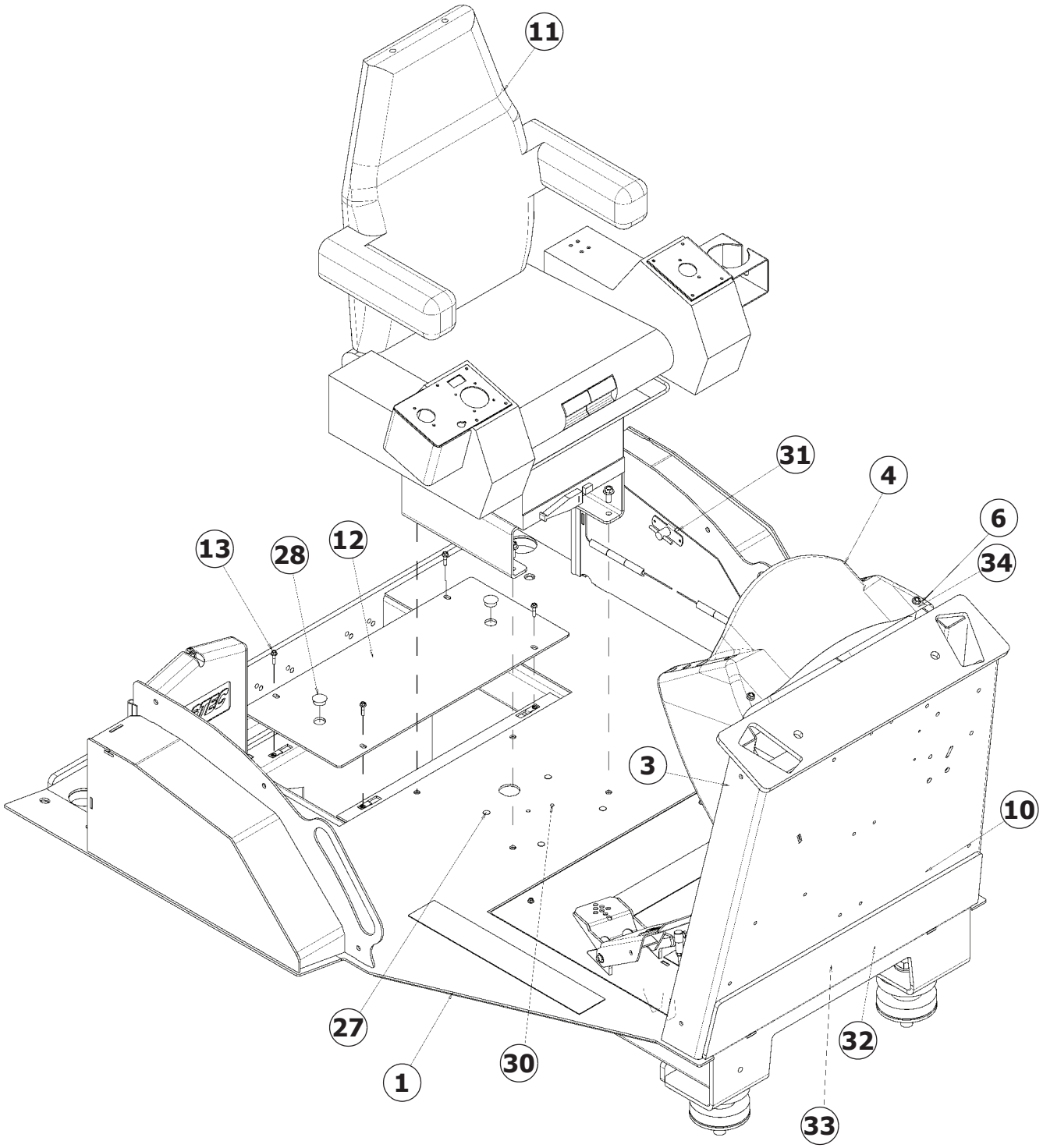
ROLL OVER PROTECTION STRUCTURE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116549	ASSEMBLY - Roll Over Protection Structure (ROPS)	1
1	AU116756	WELDMENT - Main ROPS	1
2	AU100861	NUT, U - M6 x 1.00 Long	8
3	AU105156	PLATE- Cover	4
4	AU100869	SCREW, METRIC FLANGE w/BODY - M 6 x 20	8
5	AU100364	SCREW, METRIC FLANGE w/BODY - M16 x 70	8
6	AU100529	NUT, METRIC FLANGE PREVAILING - M16, Zinc	10
7	AU100832	SCREW, METRIC FLANGE w/BODY - M16 x 50	2
8	AU118604	SEAL - Hood	1
9	AU119456	PLATE - Cover	1
10	AU100414	SCREW, METRIC FLANGE FULL - M12 x 25	4
11	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	4


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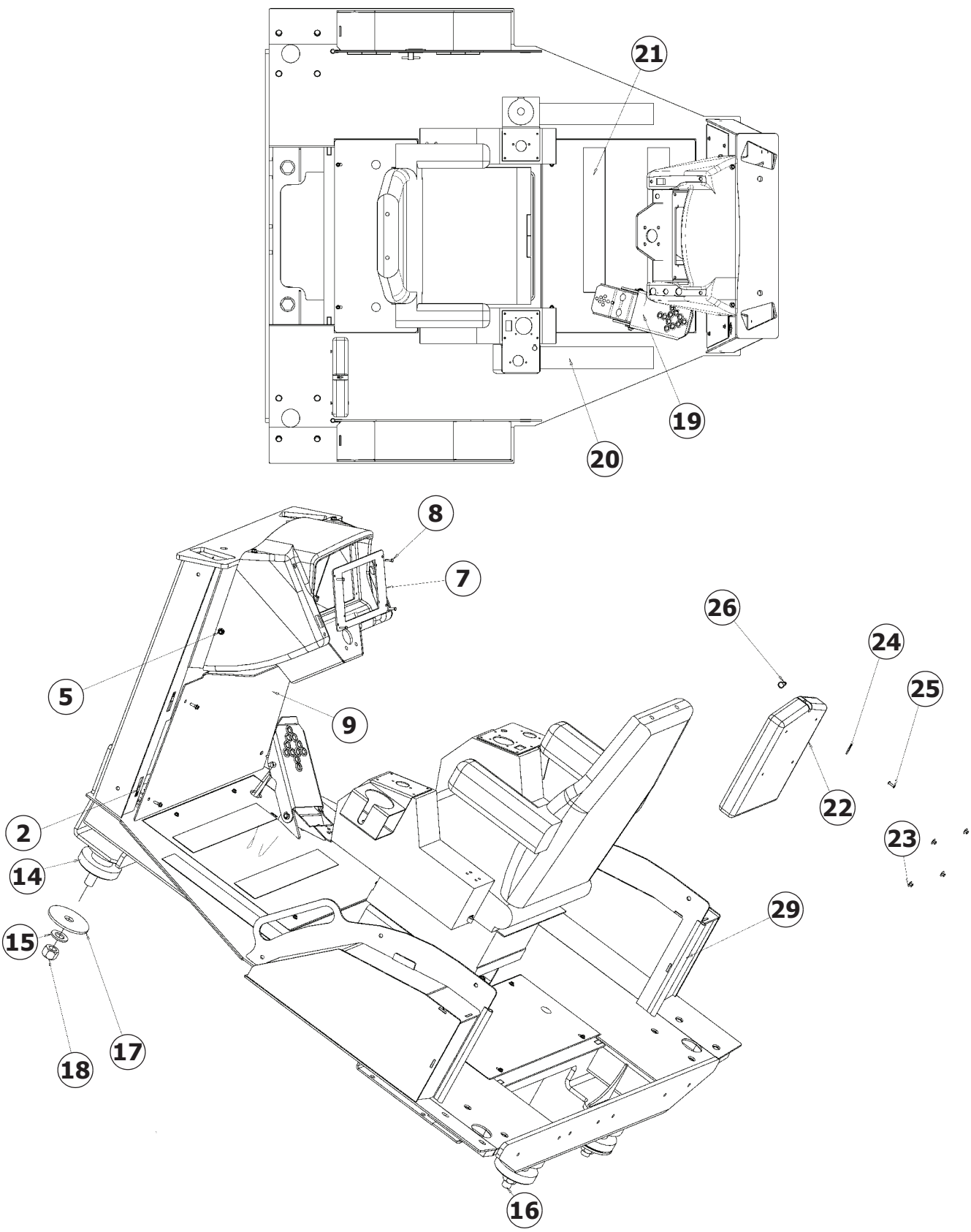
WORK LIGHTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU121954	ASSEMBLY - Work Lights	1
1	222004A2	ASSEMBLY - Lamp, Flush Mount, Snap-In, Honeywell	4


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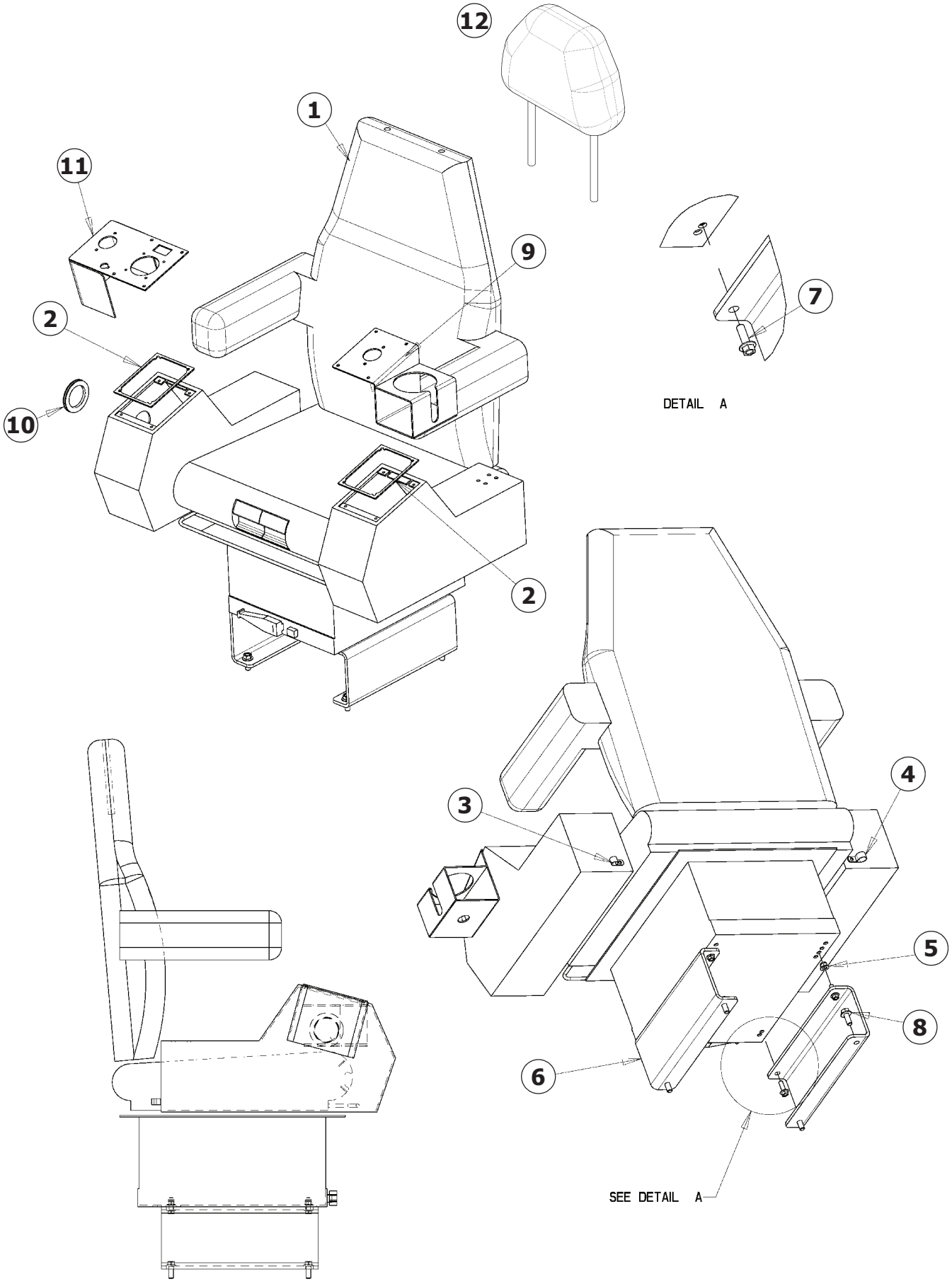
OPERATORS STATION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116867	ASSEMBLY - Operators Station	1
1	AU116863	WELDMENT - Operators Station	1
3	AU100862	NUT, U - M8 x 1.24 Long	2
4	AU121459	PANEL - Dash	1
6	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	2
10	AU100869	SCREW, METRIC FLANGE w/BODY - M6 x 20	6
11	AU118589	ASSEMBLY - Operator Seat	1
12	AU113908	PLATE - Battery Cover	1
13	AU100870	SCREW, METRIC FLANGE w/BODY - M6 x 25	8
27	353-404	PLUG - Dome, 0.500 in Hole, Black Nylon	4
28	353-411	PLUG - Dome, 1.000 in Hole, Black Nylon	2
30	353-400	PLUG - Dome, 0.250 in Hole, Black Nylon	2
31	L102515	ASSEMBLY - Latch	1
32	AU120815	PLATE - Wire Harness Cover	1
33	AU100525	NUT, METRIC FLANGE PREVAILING - M6, Zinc.	2
34	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc.	2


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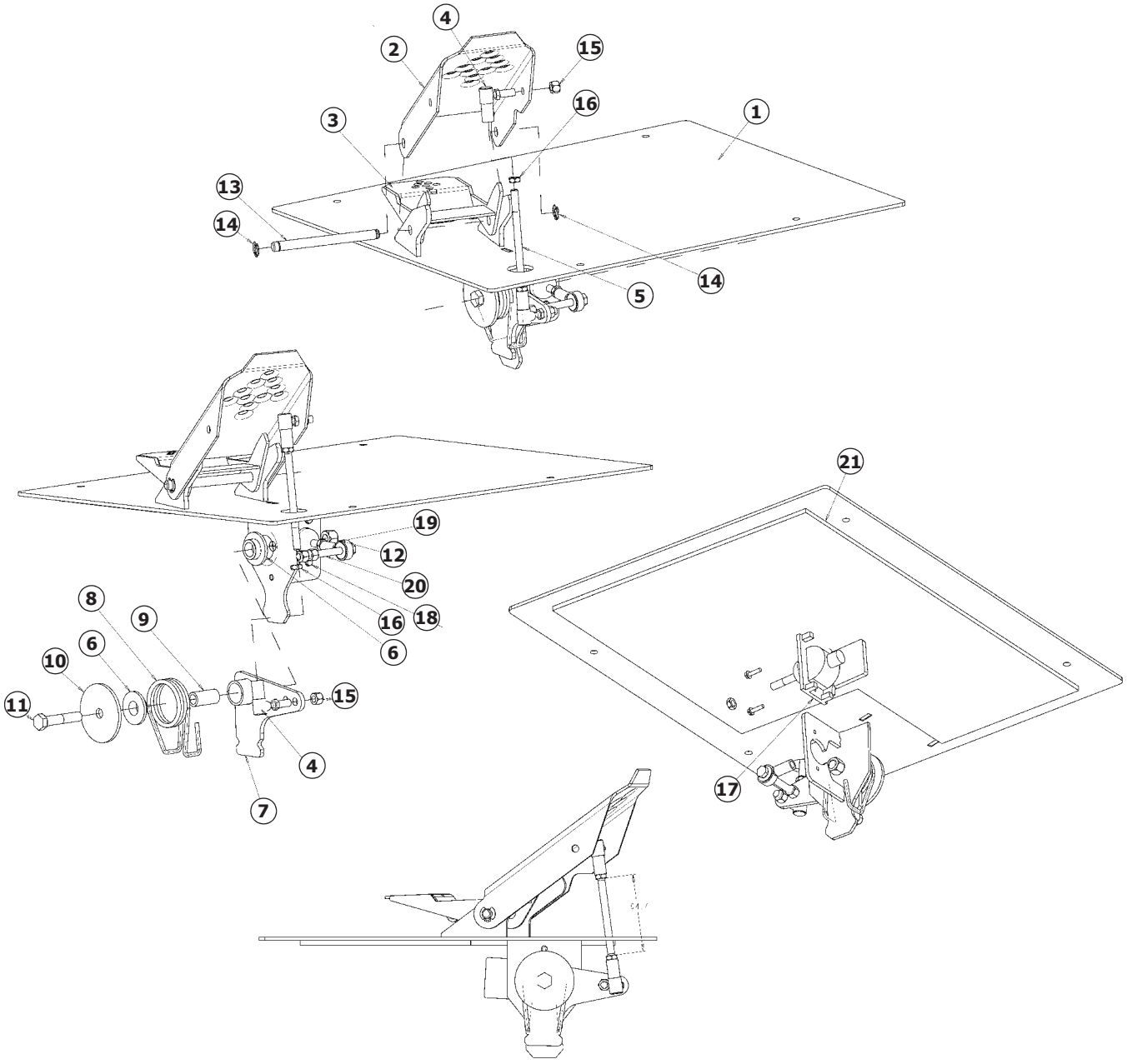
OPERATORS STATION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116867	ASSEMBLY - Operators Station	1
2	AU100861	NUT, U - M6 x 1.0 Long	12
5	AU100873	SCREW, METRIC FLANGE w/BODY - M8 x 25	1
7	AU103959	PLATE - Display Mount	1
8	463-11012	SCREW - Hex Hd # 10 - 24 x .750 CST ZND	4
9	AU120822	PLATE - Kick Panel	1
14	30-760-5018	MOUNT - Rubber	4
15	H426833	WASHER - HT (1" bolt)	8
16	426-1696	BOLT - Hex Hd 1.00 x 6.00 GR5 ZND	4
17	AU101521	WASHER - Snubber	3
18	232-41116	NUT - Prev Trq 1" GRC CAD DIRECT	4
19	AU106377	PEDAL - Sub-Assembly	1
20	AU105911	ANTI-SKID TAPE STRIP - Upper Step	2
21	AU105912	ANTI-SKID TAPE STRIP - Lower Step	2
22	AU103216	CASE - Operators Manual	1
23	151-522	RIVET - Lg Flg Brk Mdrl .187 x .575 in Pln	4
24	R46465	LANYARD - Manual Retention 36 in	1
25	R46463	POST - Manual Retention	1
26	R40745	STRAP - Cable Tie Blk 15 mm Dia 3.0 W Nylon	1
29	AU118602	SEAL - Hood	2


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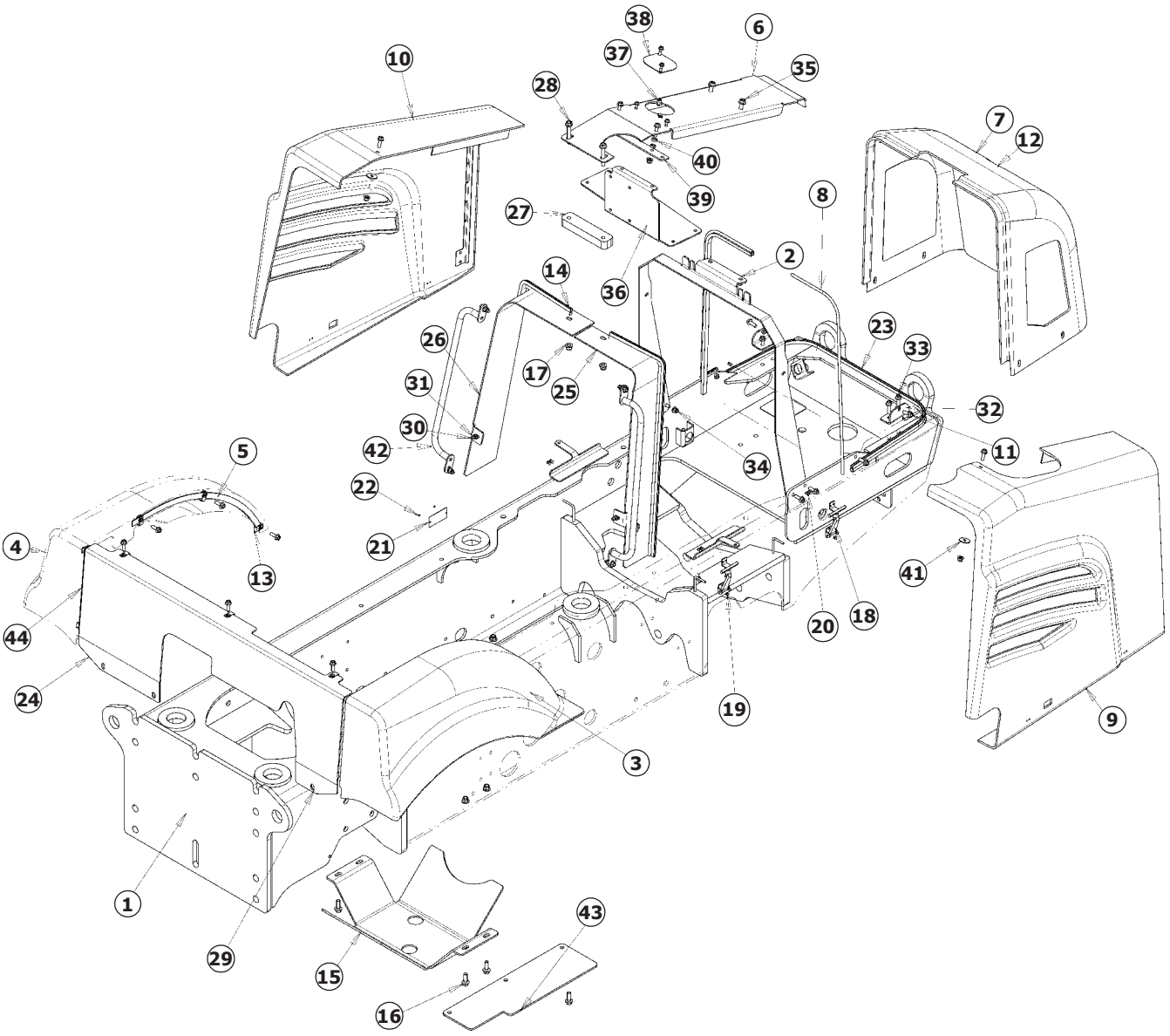
OPERATORS SEAT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118589	ASSEMBLY - Operators Seat	1
1	AU107706	ARMCHAIR - Operator	1
2	AU108507	SPACER - Plate.	2
3	515-21127	CLAMP - Insul 12.7mm M6 Bolt, ZND	1
4	515-21175	CLAMP - Insul 17.5mm M6 Bolt, ZND	1
5	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc.	4
6	AU107510	RISER - Operator Seat	2
7	AU100873	SCREW, METRIC FLANGE w/BODY - M8 x 25	4
8	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	4
9	AU112736	CUP HOLDER - Weldment	1
10	AU112748	TRIM - Edge	1
11	AU118588	WELDMENT - Joystick Mount	1
12	AU108153	OPTION - Head Rest	1


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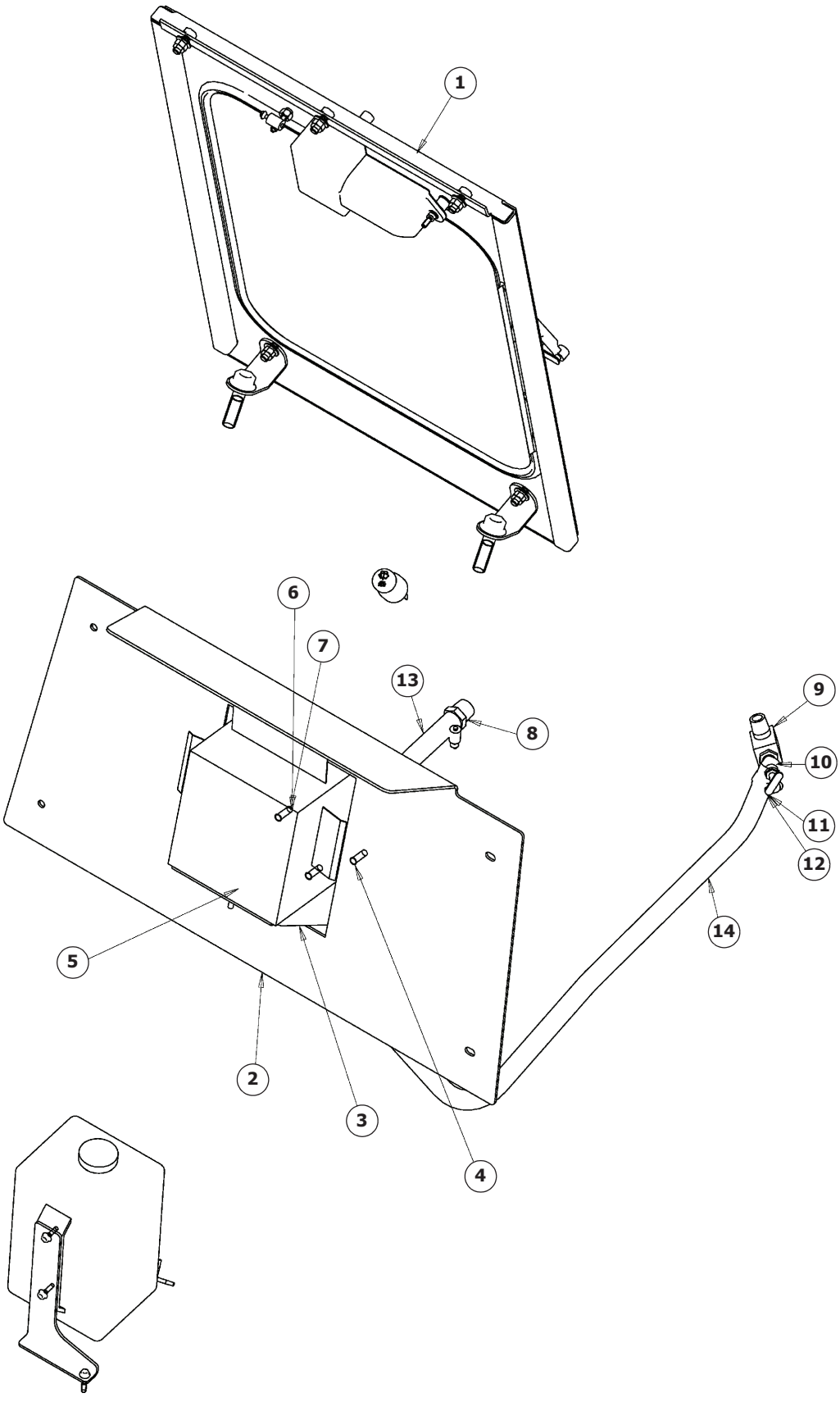
PEDAL SUB-ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106377	SUB-ASSEMBLY - Pedal	1
1	AU106362	PLATE - Floor	1
2	H403816	PEDAL - Ground Drive	1
3	H672181	PEDAL WELDMENT - Heel	1
4	D38296	BALL JOINT - 3/8	2
5	398314A1	ROD - Control	1
6	D128616	BUSHING - Plastic Insert	2
7	AU106453	PIVOT WELDMENT - Bellcrank	1
8	H436303	SPRING - Bellcrank	1
9	H435694	SPACER - Bellcrank Pivot	1
10	H436215	WASHER - Special	1
11	426-840	BOLT - Hex Hd .500 x 2.50 GR5 ZND	1
12	232-4118	NUT - Prev Trq 1/2 GRC CAD DIRECT	1
13	H403840	PIN - Foot Pedal	1
14	D143415	RING - Klip Ring 1/2 inch	2
15	232-4616	NUT - Prev Trq 3/8 UNF GRC CAD DIRECT	4
16	425-156	NUT - Hex Jam .375 - 24 UNF GR5 ZND	3
17	AU106445	JOYSTICK AND CONNECTOR - Single Axis (P&Q Controls)	1
18	63-81012	SCREW - Hex Wshr Hd # 10 - 32 UNRF x .75 Pln	2
19	A32398	BEARING - Spherical Rod End	1
20	426-656	BOLT - Hex Hd .375 x 3.50 GR5 ZND	1
21	AU109930	INSULATION - Floor	1


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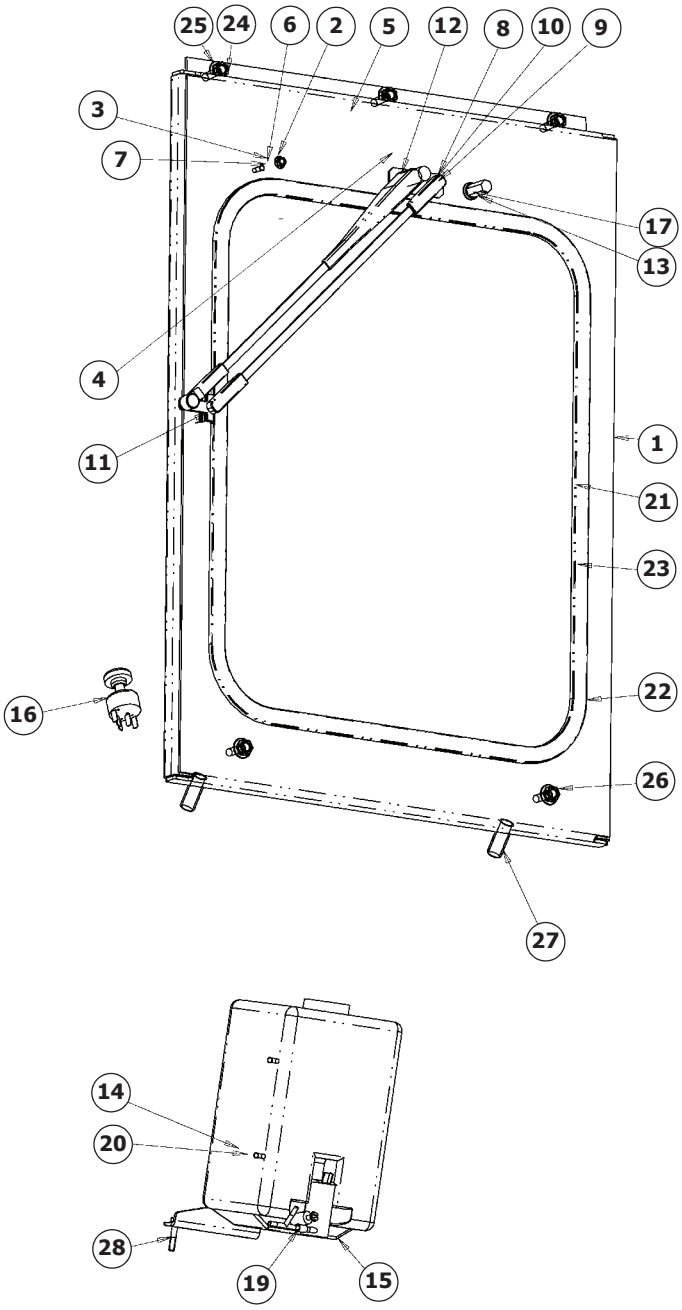
CHASSIS HOODS AND COVERS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116094	CHASSIS, HOODS AND COVERS	REF
1	AU116083	FRAME - Weldment, Chassis	1
2	AU118820	PLATE - Upright	1
3	AU118197	FENDER - Right Hand	1
4	AU118198	FENDER - Left Hand	1
5	AU118199	SHEET - Fender Support	2
6	AU118991	PLATE - Hood Support	1
7	AU117417	CLIP - Nose	1
8	AU107223	SEAL - Hood, Front	1
9	AU118804	COVER - Engine, RH, RT1200	1
10	AU118805	COVER - Engine, LH, RT1200	1
11	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	27
12	AU107880	MEDALLION - Astec Logo	1
13	AU100863	NUT, U - M10 x 1.5 Short	13
14	AU107224	SEAL - Hood	2
15	AU107716	PLATE - Skid	1
16	AU100416	SCREW, METRIC FLANGE FULL - M12 x 35	7
17	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	11
18	H672204	LATCH - Hood	4
19	151-558	RIVET - Blind Brk Mdrl .187 x .450 in ZND	8
20	151-559	RIVET - Blind Brk Mdrl .187 x .700 in ZND	8
21	AU100572	PLATE - Serial Number	1
22	AU104193	STEEL TACK - Fastener	2
23	AU112099	SEAL - Nose, Bottom	1
24	AU124404	PLATE - Rear Cover	1
25	AU118644	PLATE - Console	1
26	AU118648	PLATE - Console	1
27	AU118662	PLATE - Spacer	1
28	AU100353	SCREW, METRIC FLANGE w/BODY - M12 x 80	2
29	AU101477	SCREW, METRIC FLANGE w/BODY - M12 x 30	3
30	AU100398	SCREW, METRIC FLANGE FULL - M8 x 30	6
31	AU100526	NUT, METRIC FLANGE PREVAILING - M8, Zinc	4
32	AU119006	WELDMENT - Support	2
33	AU100331	SCREW, METRIC FLANGE w/BODY - M10 x 40	6
34	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	16
35	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	2
36	AU119041	PLATE - Radiator Support	1
37	AU100862	NUT, U - M8 x 1.2 Short	2
38	AU119133	COVER - Radiator	1
39	AU119134	PLATE - Hood Support	1
40	349192A1	SPACER - Pin	4
41	495-81143	WASHER - 0.406 x 1.500 x .119 in CST ZND	2
42	AU120155	WELDMENT - Handle	2
43	AU109540	ASSEMBLY - Skid Plate	1
44	AU122083	PLATE - Fender Reinforcement	2


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VINYL CAB KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU121692	KIT - Vinyl Cab Assembly	1
1	AU121693	KIT - Front Windshield	1
2	AU121696	PLATE - Kick Panel	1
3	AU121822	PLATE - Heater Mnt Bracket	1
4	AU120804	HEATER	1
5	425-104	NUT - Hex, 1/4-20 GR5 ZND	3
6	AU100331	SCREW, METRIC FLANGE w/BODY - M10 x 40	3
7	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	3
8	217-381	STEM - Str Bead Hose 5/8 ID x 3/4 NPTF	1
9	221-414	ELBOW - 90, 1/2 NPTF Male / Female M I Black	1
10	221-1089	BUSHING - Hex Reducer Pipe 1/2 x 3/8 Galv	1
11	AU118040	VALVE - Shut-Off	1
12	214-1420	CLAMP - Hose Type F #20	4
13	AU121831	HOSE - Silicon	1
14	AU121832	HOSE - Silicon	1
15	AU121694	KIT - Vinyl Cab Sides and Rear	1


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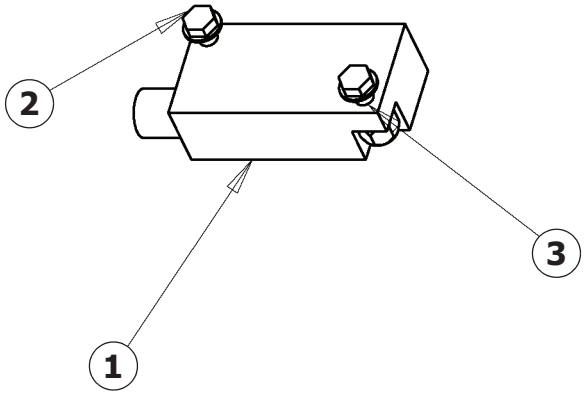
WINDSHIELD KIT - FRONT

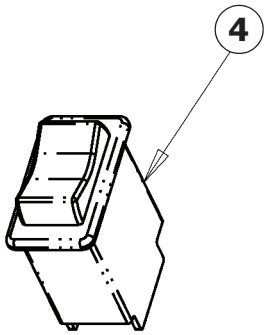
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU121693	KIT - Front Windshield	1
1	AU121668	WELDMENT - Front Windshield Frame	1
2	496-11034	WASHER - 0.344 x 0.688 x 0.065 in Hdn ZND	2
3	H53959	SPACER	1
4	21000529	MOTOR - Wiper, 12 Volt	1
5	30-1260-5571	COVER - Wiper	1
6	AU100525	NUT, METRIC FLANGE PREVAILING - M6, Zinc	3
7	AU100393	SCREW, METRIC FLANGE FULL - M6 x 50	1
8	AU103552	ARMS - Wiper, w/Pantograph	1
9	63-81012	SCREW - Hex Wshr Hd #10-32 x 3/4 Znd	1
10	231-24409	NUT - Prev Trq #10 GR8 ZND Insert	1
11	AU103553	BLADE - 16" Wiper	1
12	H357764	SPACER - Pipe	1
13	30-1260-5572	NOZZLE - Washer, Spary	1
14	AU121811	PLATE - Washer Bottle Mount	1
15	AU104833	KIT - Reservoir	1
16	30-1260-5588	SWITCH - Wiper	1
17	214-1404	CLAMP - Hose Type F #04	2
18	30-1260-5609	TUBING - 3/16"	2
19	20000156	CONNECTOR - Tee, Barbed, 3/16"	1
20	AU100869	SCREW, METRIC FLANGE w/BODY - M6 x 20	2
21	AU121672	GLASS - Front Windshield	1
22	AU121790	SEAL - Front Window	1
23	AU121791	LOCKING STRIP - Front Window	1
24	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	5
25	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	5
26	AU121809	PLATE - Windshield Mount	2
27	AU100362	SCREW, METRIC FLANGE w/BODY - M16 x 60	2
28	AU100871	SCREW, METRIC FLANGE w/BODY - M6 x 30	1

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WINDSHIELD WASHER KIT

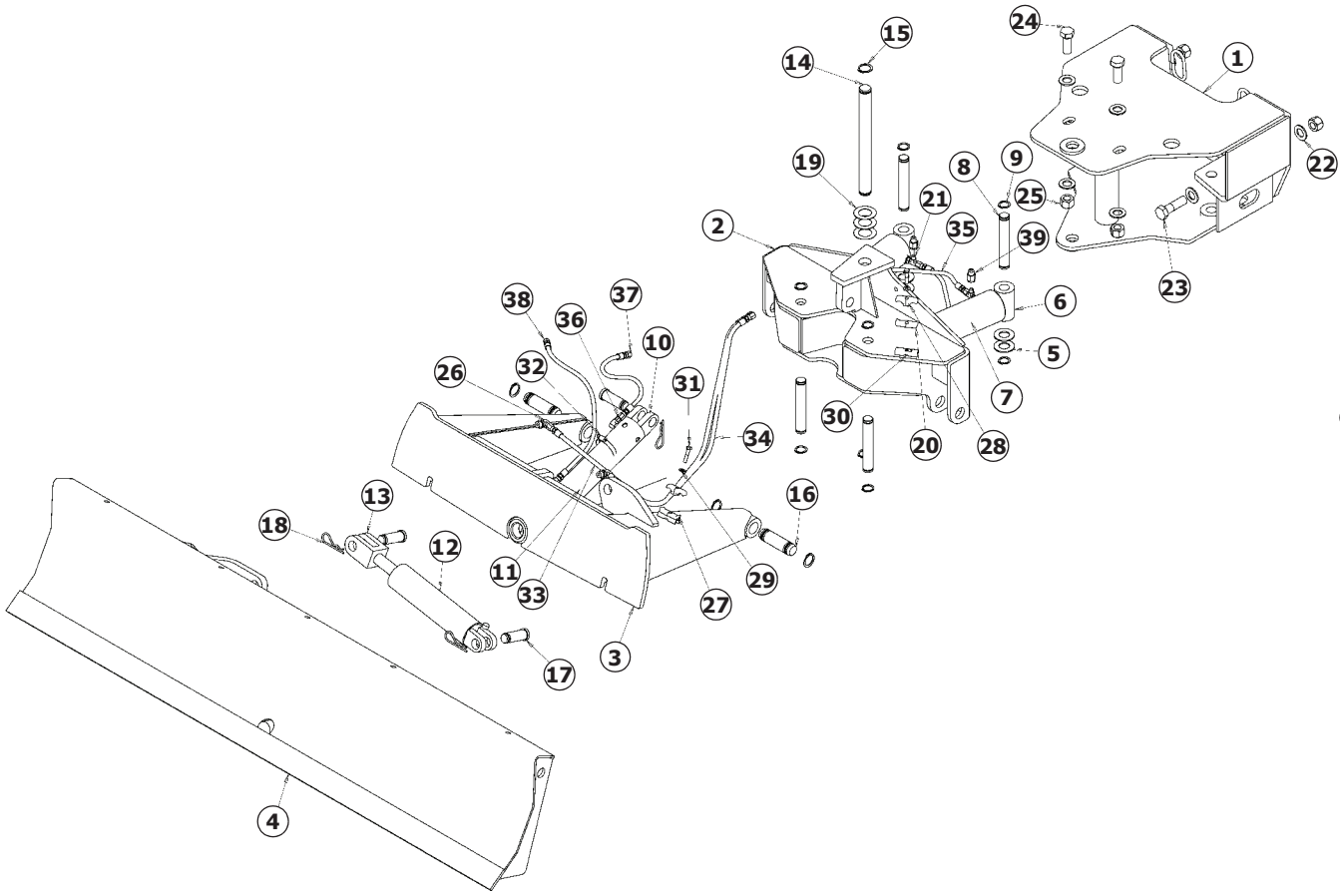
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118335	KIT - Windshield Washer	1
1	AU118336	ARM - Windshield Washer	1
2	AU118337	BLADE - Windshield Washer	1


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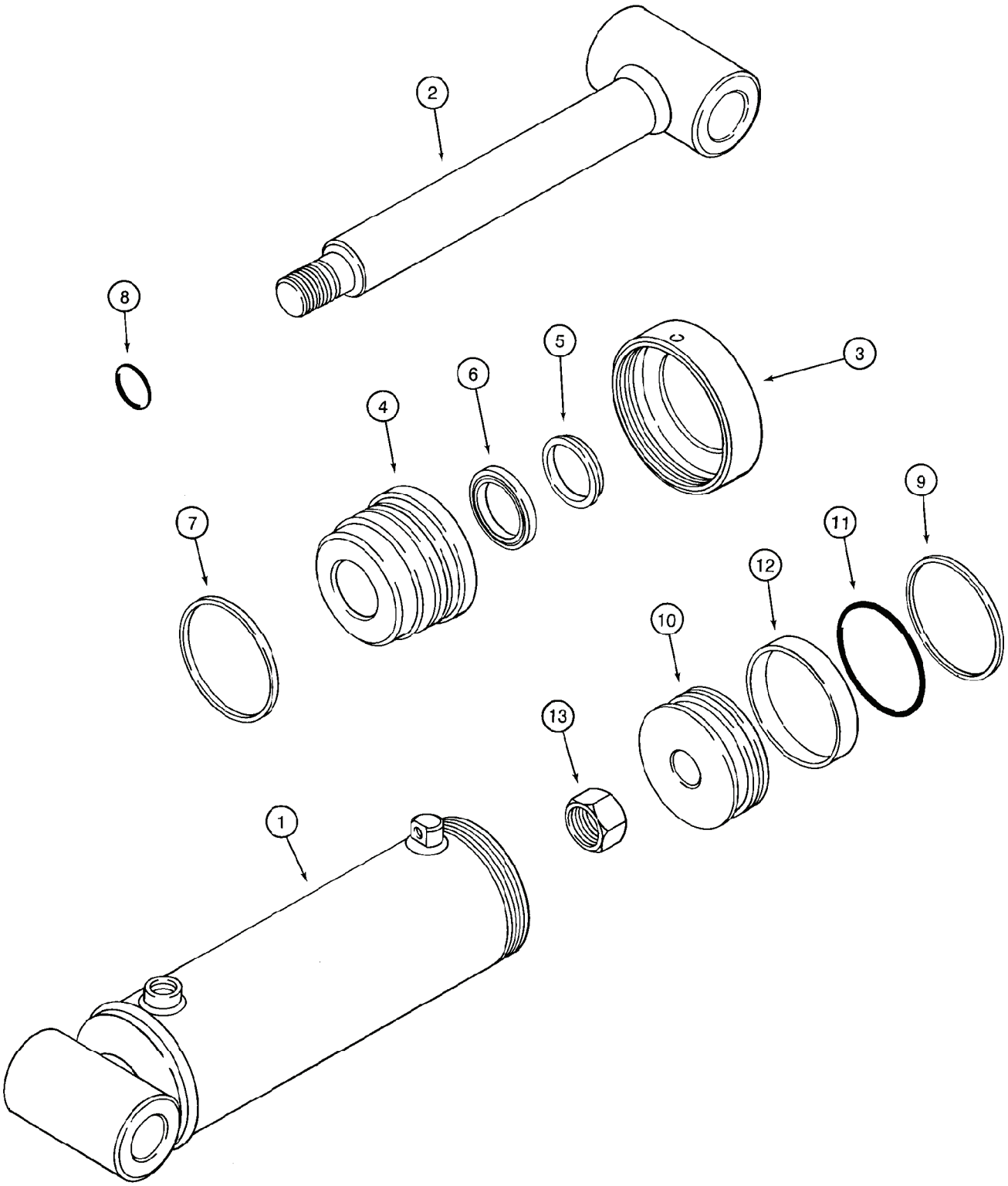
AUTO-LEVEL KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116877	KIT - Auto-Level	1
1	AU116876	SENSOR - Level	1
2	463-30812	SCREW - Hex Wshr Hd # 8 - 32 x 0.75 ZND	2
3	231-14108	NUT - Prev Trq # 8 GRB CAD Insert	2
4	AU113662	SWITCH - Rocker, ON - OFF, 2 Pole	1


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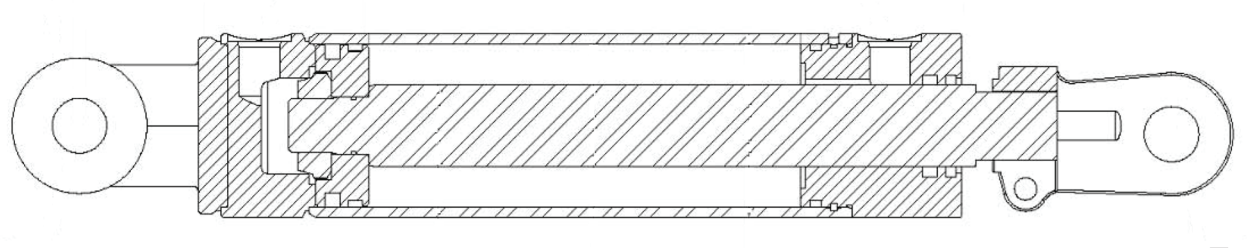
BACKFILL BLADE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116760	ASSEMBLY - Backfill Blade	1
1	AU117156	WELDMENT, FRAME - Backfill Mtg	1
2	AU115400	WELDMENT, PIVOT - Backfill	1
3	AU115399	WELDMENT, ARM - Backfill	1
4	AU106732	WELDMENT, BLADE - Backfill	1
5	495-81209	WASHER - 1.312 x 2.500 x 0.134 in CST ZND	4
6	H670935	CYLINDER - Barrel	2
7	H670935	CYLINDER - Rod	2
8	H432880	PIN - Cylinder Pivot	4
9	103-16125	RING - Retainer	8
10	AU118759	CYLINDER - Hydraulic, Barrel	1
11	AU118759	CYLINDER - Hydraulic, Rod	1
12	AU117653	CYLINDER - Hydraulic, Barrel	1
13	AU117653	CYLINDER - Hydraulic, Rod	1
14	H432906	PIN - Pivot	1
15	D25279	RING - Retainer	6
16	H432898	PIN - Pivot	2
17	N14001	PIN - Cylinder	4
18	1978738C1	PIN - QA Cotter	4
19	H117606	WASHER - Flat, 1.625" ID x 2.75" OD	3
20	218-5057	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/8	2
21	218-5243	TEE - Adj Run 37FL 3/8 x 3/8 x 3/8	2
22	H426833	WASHER - H.T. (1" Bolt)	8
23	426-1656	BOLT - Hex Hd 1.00 x 3.50 GR8 ZND	2
24	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	2
25	232-41116	NUT - Prev Trq 1" GRC CAD Direct	4
26	218-5128	ELBOW - 90 Adj 37FL 3/8 x 1/2 Tube	4
27	D120614	RETAINER - Hose	2
28	D120679	RETAINER - Hose	2
29	496-21041	WASHER - 0.406 x 0.812 x 0.089 in Hdn ZND	2
30	224-2246	NUT - Square 3/8 - 16 UNC GR2 ZND	2
31	426-628	BOLT - Hex Hd 0.375 x 1.75 GR8 ZND	2
32	214-1452	CLAMP - Hose Type F #52	1
33	AU106855	HOSE - Hydraulic, Back Fill Blade Tilt	1
34	AU106854	HOSE - Hydraulic, Back Fill Blade Tilt	1
35	S77121	HOSE - Hydraulic, Swing Cylinder	2
36	AU124453	ORIFICE - 0.062 - Inline	1
37	S77121	HOSE - Hydraulic	1
38	119666A1	HOSE - Hydraulic	1
39	91-2215-6-8S	ADAPTER - Tube IPC, 37FL, 3/8 x 1/2	2


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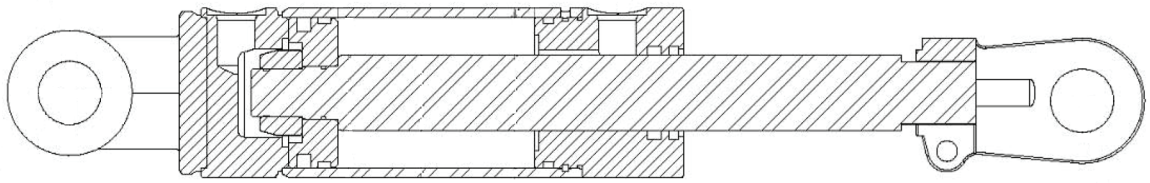
CYLINDER ASSY - BACKFILL BLADE ANGLE

REF.	PART NO.	DESCRIPTION	REQ'D.
	H670935	ASSEMBLY - Cylinder, Backfill Blade Angle - 89 ID x 203 STRK	2
1	N13626	TUBE - Cylinder	1
2	N13627	ROD - Piston	1
3	H242545	COLLAR	1
4	H254763	GLAND - Cylinder	1
	N13628	KIT - Seal (Consists of items 5 - 9, 11 - 12)	1
5	H222935	WIPER - Piston Rod	1
6	H247809	SEAL - Piston Rod	1
7	238-5236	O-RING - 3-1/4 ID x 1/8	1
8	R15366	O-RING - 7/8 ID x 1/16	1
9	N13629	SEAL	1
10	N13625	PISTON - Cylinder	1
11	238-5151	O-RING - 3 ID x 3/32	1
12	N13630	RING - Wear	1
13	131-370	NUT - Lock	1



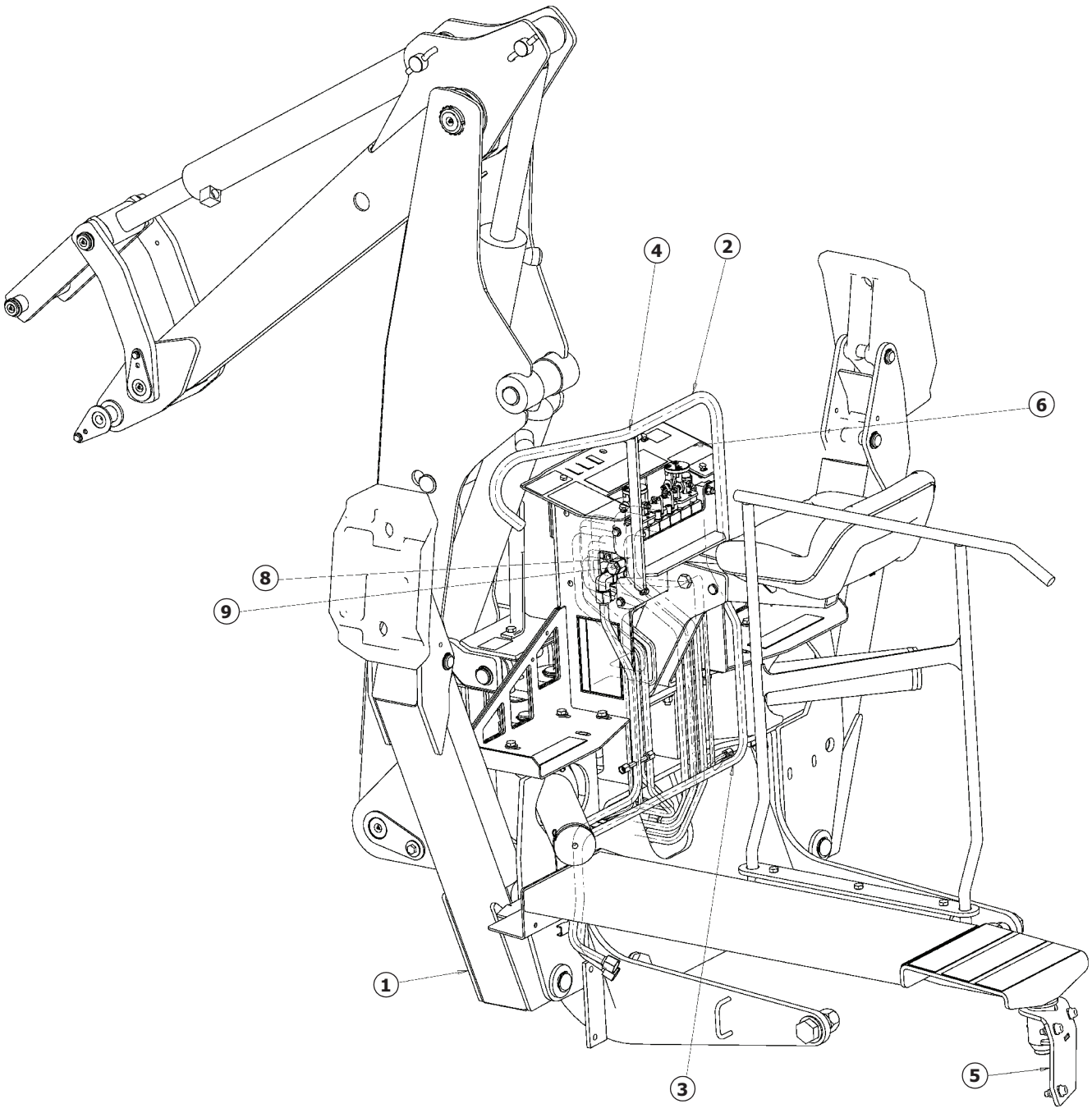
CYLINDER ASSY - BACKFILL BLADE LIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	H670935	ASSEMBLY - Cylinder, Backfill Blade Lift	1
1	AU119043	PIN - Cylinder	1
2	1978738C1	PIN - Cotter	1
3	AU123147	SEAL - Piston	1
4	AU123148	SEAL - Wiper	1
5	AU123149	SEAL - Rod	1



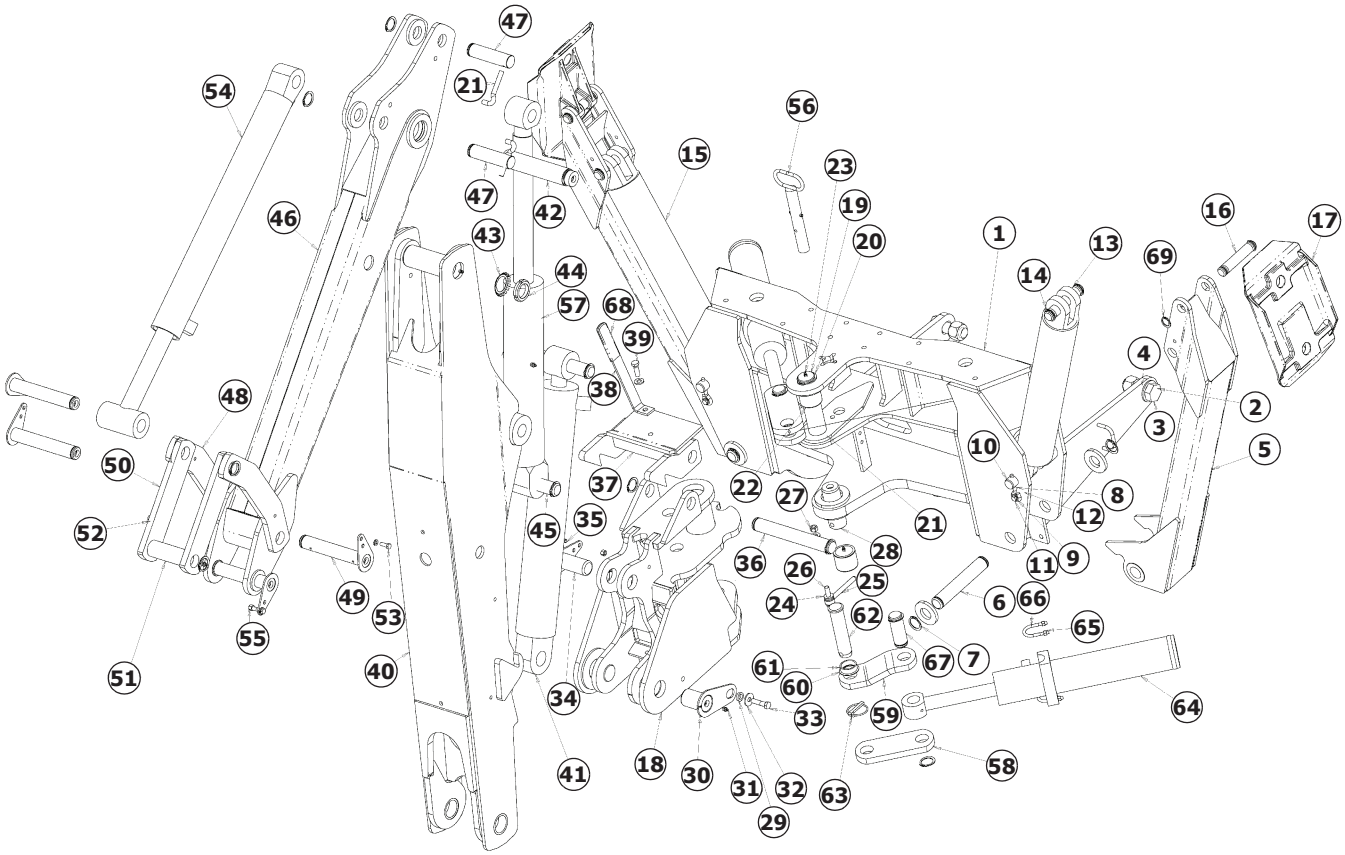
CYLINDER ASSY - BACKFILL BLADE TILT

REF.	PART NO.	DESCRIPTION	REQ'D.
	H670935	ASSEMBLY - Cylinder, Backfill Blade Tilt	1
1	AU123147	SEAL - Piston	1
2	AU123148	SEAL - Wiper	1
3	AU123149	SEAL - Rod	1


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BACKHOE KIT ASSEMBLY - 762

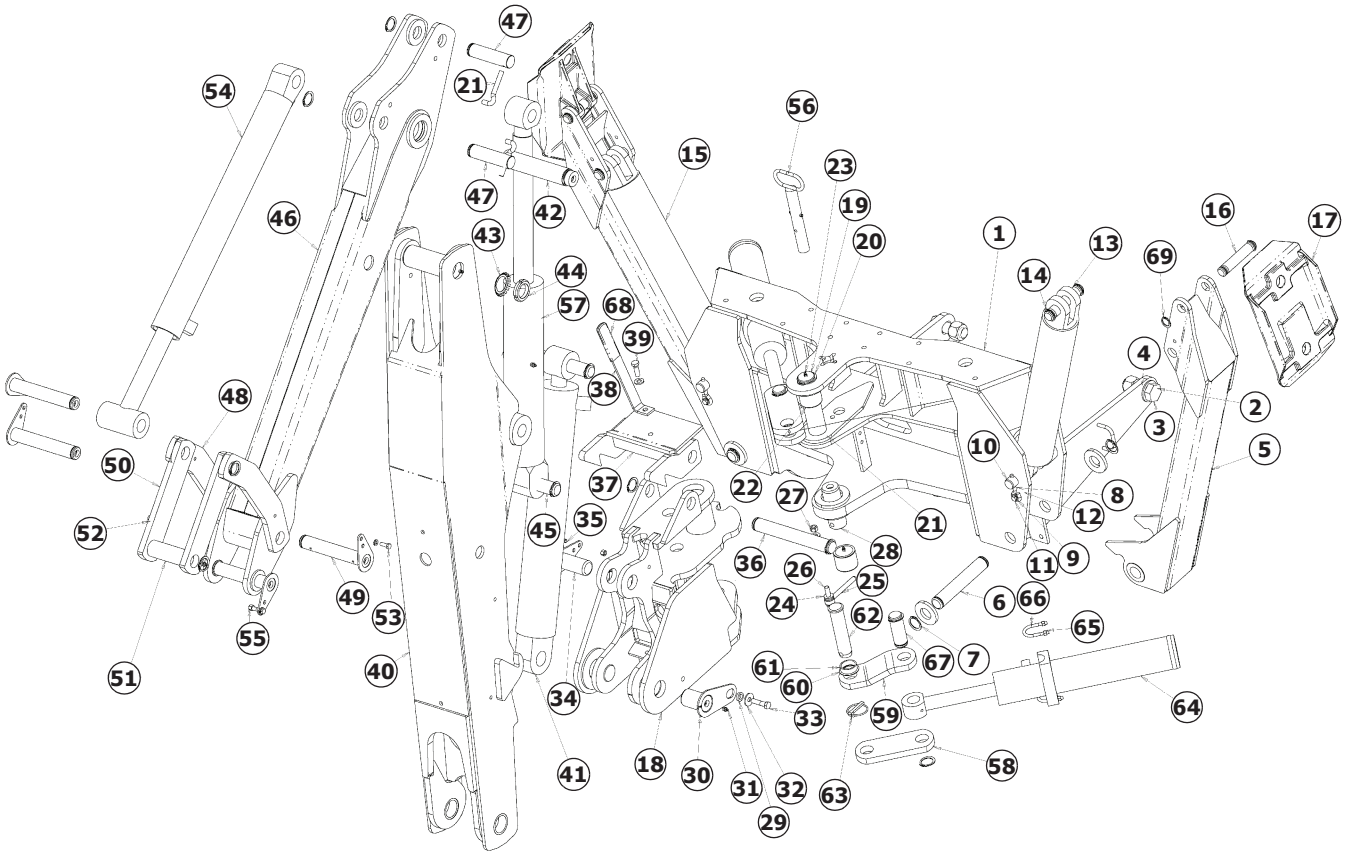
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122103	ASSEMBLY - Backhoe Kit, 762 (less bucket)	1
1	H672360	ASSEMBLY - Basic Backhoe	1
2	AU108204	ASSEMBLY - Backhoe Platform	1
3	108817A1	KIT - Backhoe Plumbing	1
4	445945A1	SWITCH - E-Stop	1
5	AU118295	ASSEMBLY - Backhoe Walkway Kit	1
6	AU108206	DECALS - Backhoe	1
7	AU121840	HARNESS - Backhoe Emergency Stop	1
8	AU121895	SLEEVE - Power Beyond Fitting	1
9	218-5157	PLUG - Hex Hd ORB 5/8	1


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BACKHOE ASSEMBLY

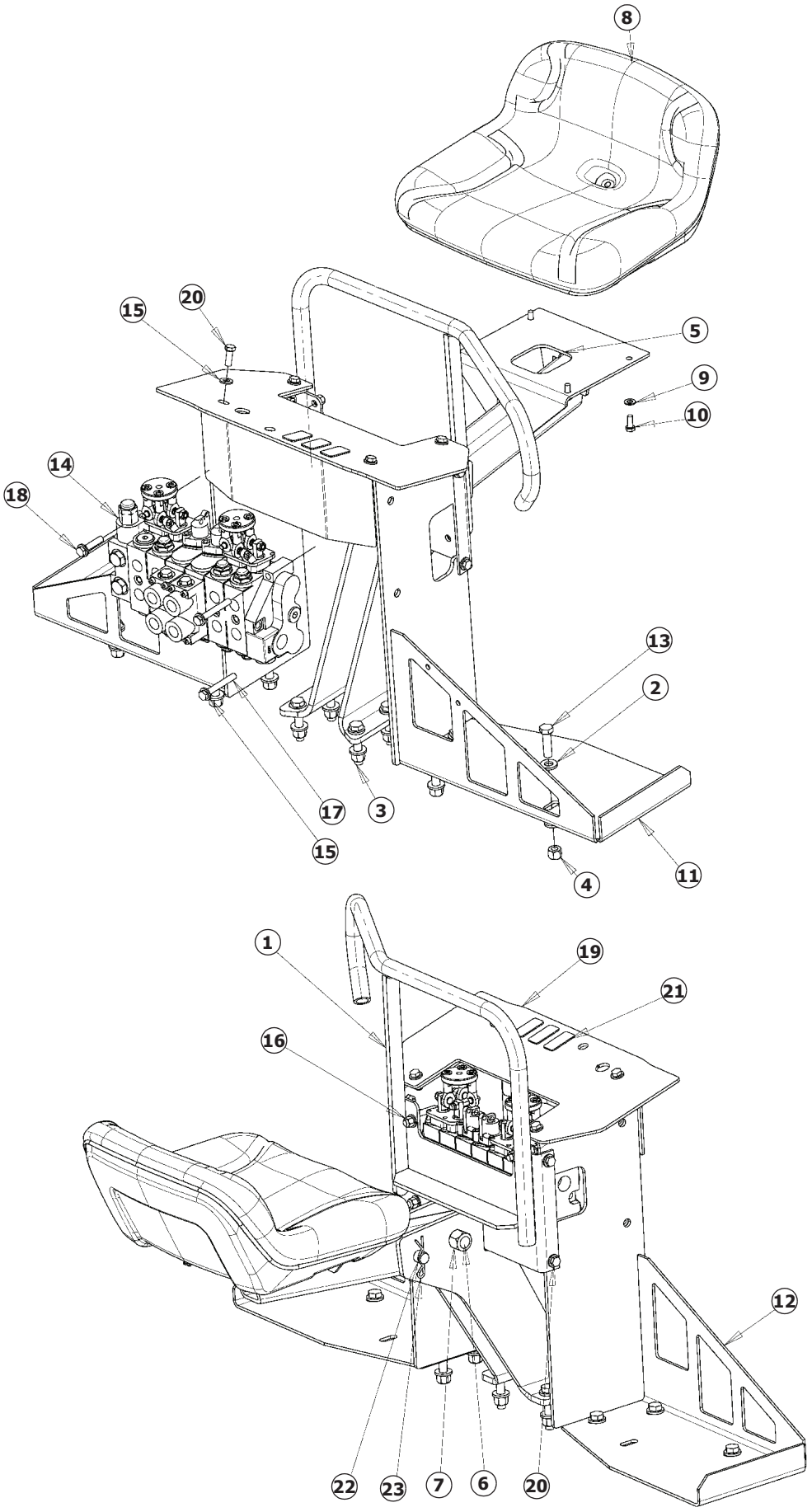
REF.	PART NO.	DESCRIPTION	REQ'D.
	H672360	ASSEMBLY - Basic Backhoe	1
1	113174A1	WELDMENT - Frame, Backhoe	1
2	H426858	WASHER - 1-1/4 HT Flat	4
3	426-2056	BOLT - 1-1/4 x 7 x 3-1/2 GRD 5	4
4	232-41120	NUT - Prev Trq 1-1/4 GRD C TLN	4
5	H672227	WELDMENT - Stabilizer Arm	2
6	H433739	PIN - Stabilizer Pivot (1-1/2)	3
7	D25279	RING - Retainer (3/8)	18
8	H313981	PIN - Retainer 3/8	2
9	496-21041	WASHER - .406 x .81 Flat	3
10	H433744	PIN - Cylinder to Frame	2
11	426-624	BOLT - 3/8 - 16 x 1-1/2	2
12	232-4116	NUT - Prev Trq 3/8	4
13	H434380	PIN - Stabilizer Cylinder Rod End	2
14	103-16125	RING - Retaining Ext	4
15	101646A1	CYLINDER - Hydraulic	2
16	H434379	PIN - Stabilizer to Pad	2
17	H434430	PAD - Stabilizer	2
18	113171A1	WELDMENT - Swing Tower, Backhoe	1
19	H437960	PIN - Top Swing Pivot	1
20	103-16200	RING - Retaining Ext	1
21	H433937	PIN - Retaining	5
22	D33023	BUSHING - 2" ID .25 Wall	1
23	219-8	FITTING - Lube 1/4 - 28 Str	4
24	496-21053	WASHER - 1/2 Flat HT	5
25	L109671	PIN - Retainer, Rod End	1
26	426-836	BOLT - 1/2 - 13 x 2-1/4	1
27	230-4218	NUT - 1/2 - 13 CAD	4
28	H437959	PIN - Bottom Swing Pivot	1
29	AU108466	SPACER - Pin	2
30	AU108463	PIN - Boom Pivot	2
31	219-1	FITTING - Lube 1/8 - 27 Dryseal PTF	8
32	495-81163	WASHER - .531 x 1.50 x .119 in CST ZND	2
33	426-832	BOLT - Hex Hd .500 x 2.00 GR5 ZND	2
34	H672354	PIN - Boom Cylinder to Swing Tower	1
35	433-624	BOLT - Round Hd .375 x 1.50 GR5 ZND	1

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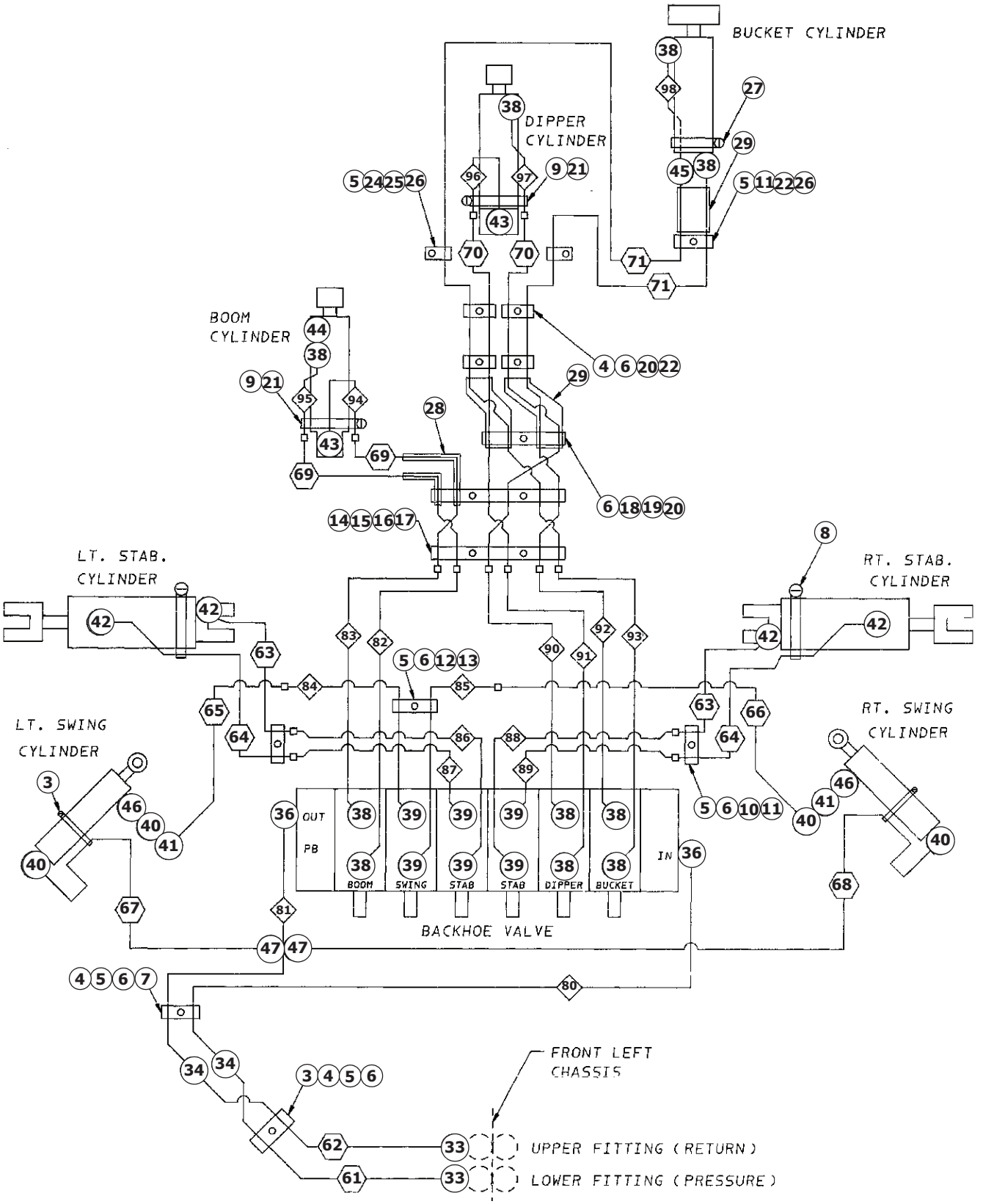
BACKHOE ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672360	ASSEMBLY - Basic Backhoe	1
36	H434125	PIN - Latch to Swing Tower	1
37	H672500	WELDMENT - Latch, Boom Lock	1
38	H436021	HANDLE	1
39	426-824	BOLT - 1/2 x 13 x 1-1/2	1
40	113170A1	WELDMENT - Backhoe Boom	1
41	H672568	CYLINDER - Boom	1
42	H437962	PIN - Dipper to Boom	1
43	55-1009	WASHER - Lock, Bearing	1
44	154-1009	NUT - Bearing Lock, CAD Pltd	1
45	H433742	PIN - Pivot 1-1/2	1
46	113177A1	DIPPER Assembly	1
47	H433743	PIN - Cylinder to Dipper	2
48	H433745	LINK - Curved, Bucket	2
49	H672559	WELDMENT - Pin, Bucket and Links	4
50	H433746	LINK - Straight, Bucket	2
51	H433749	SPACER - Bucket Links	1
52	492-11038	WASHER - 3/8 Lock	3
53	426-616	BOLT - 3/8 x 1 GRD 5 ZP	3
54	H672570	CYLINDER - Bucket	1
55	426-628	BOLT - 3/8 x 1-3/4 GRD 5 ZP	1
56	H672507	WELDMENT - Pin, Swing Lock	1
57	138234A1	CYLINDER - Dipper	1
58	H111575	SWING LINK - Straight	2
59	H111583	LINK - Swing Offset	2
60	H61028	WASHER - 1-1/2 Shim	1
61	H434263	SPACER - Swing Links	1
62	H76851	PIN - Links to Swing Tower	1
63	D33805	PIN - Klik (7/16)	1
64	H672571	CYLINDER - Swing	2
65	232-4115	NUT - Prev Trq 5/16 GRC CAD Direct	8
66	H110270	U-BOLT - 7.9375 (5/16) x 23.01875 (1-29/32)	4
67	H434262	PIN - Cylinder to Links	2
68	H33332	GRIP - Handle	1
69	103-16112	CLIP RING	4


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BACKHOE PLATFORM ASSEMBLY

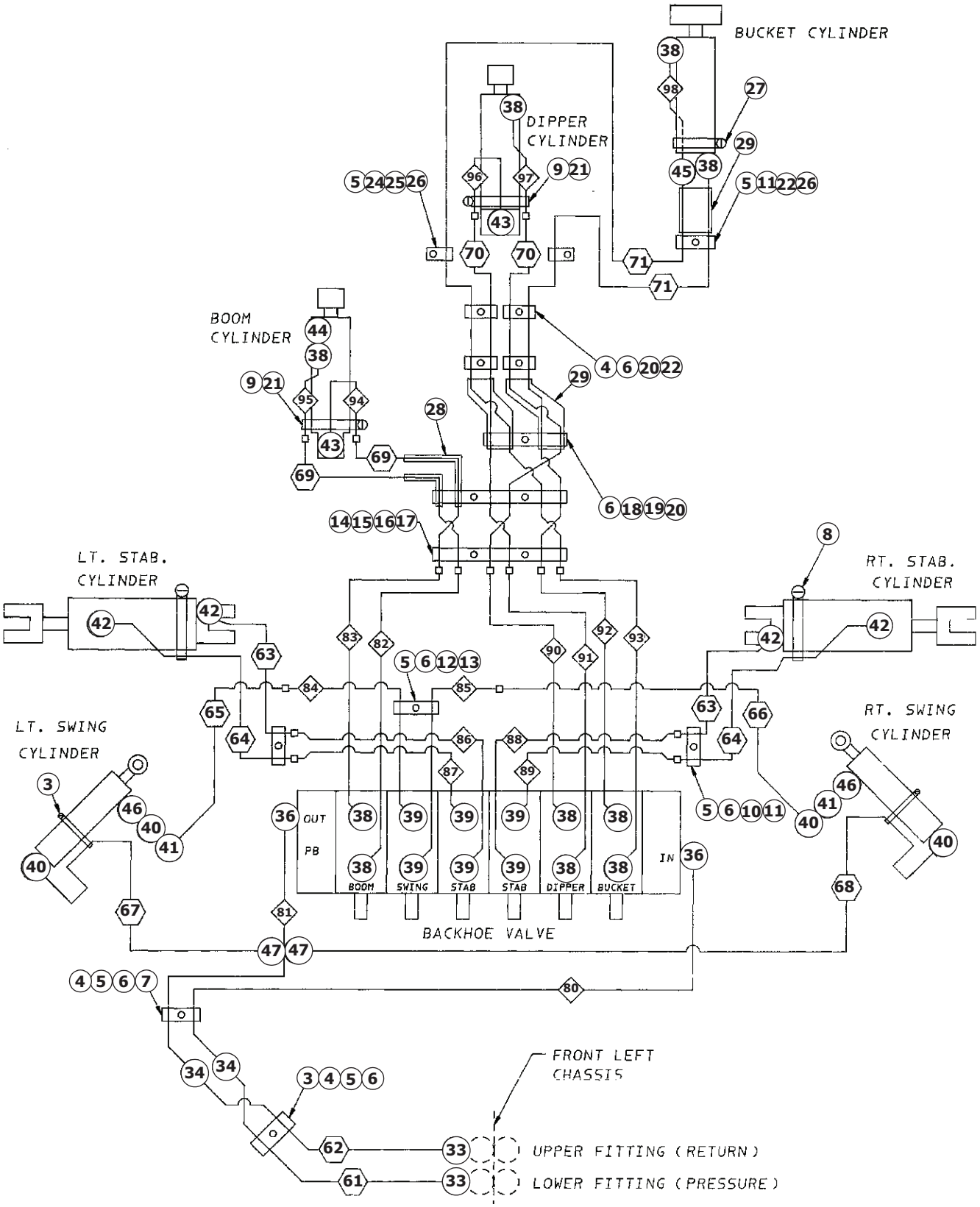
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108204	ASSEMBLY - Backhoe Platform	1
1	H672346	WELDMENT, CONSOLE - Valve and Seat Mounting	1
2	496-21053	WASHER - 1/2 Flat HT	20
3	426-840	BOLT - Hex Hd .500 x 2.50 GR8 ZND	4
4	232-4118	NUT - 1/2 TL	10
5	AU121896	WELDMENT, TUBE - Seat	1
6	426-1260	BOLT - Hex Hd .750 x 3.75 GR8 ZND	1
7	230-42112	NUT - 3/4 CL	1
8	AU116536	SEAT	1
9	496-11034	WASHER - 5/16 Flat HT	4
10	426-512	BOLT - 5/16 x 3/4	4
11	H673480	WELDMENT, GUARD - Foot, LH	1
12	H673481	WELDMENT, GUARD - Foot, RH	1
13	426-828	BOLT - Hex Hd .500 x 1.75 GR8 ZND	6
14	H672270	VALVE - Backhoe (6 Spool)	1
15	496-21041	WASHER - 3/8 Flat HT	14
16	232-4116	NUT - 3/8 TL	3
17	426-644	BOLT - 3/8 x 2-3/4	2
18	426-628	BOLT - 3/8 x 1-3/4	1
19	AU113301	COVER - Valve Top, Weldment	1
20	426-616	BOLT - 3/8 x 1	8
21	382892A1	BLANK - Rocker Switch	3
22	S10839	PIN - Clevis (3/4 x 3-1/2)	1
23	136-164	HAIRPIN - Cotter (0.120 x 2-3/4)	1
24	31375	BALL - Valve Control Lever	2


BUCKET CYLINDER
DIPPER CYLINDER
BOOM CYLINDER
LT. STAB. CYLINDER
RT. STAB. CYLINDER
LT. SWING CYLINDER
RT. SWING CYLINDER
OUT
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IN
BOOM
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BUCKET
BACKHOE VALVE
FRONT LEFT CHASSIS
UPPER FITTING (RETURN)
LOWER FITTING (PRESSURE)

KIT - BACKHOE PLUMBING

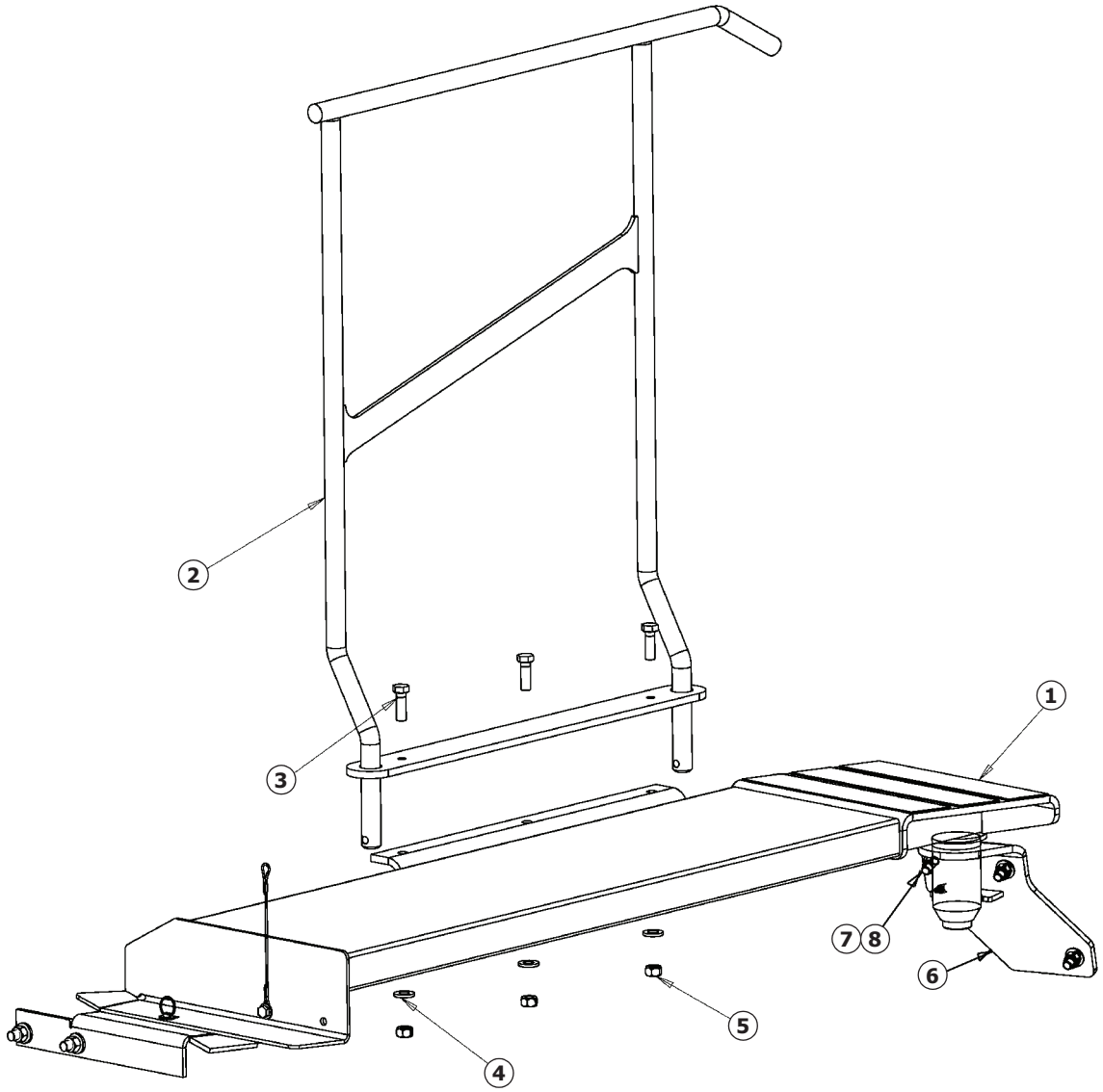
REF.	PART NO.	DESCRIPTION	REQ'D.
	108817A1	KIT - Backhoe Plumbing	
3	H231878	RETAINER - Hose	1
4	426-628	BOLT - 3/8 x 1-3/4	6
5	224-2246	NUT - 3/8 Square	8
6	496-21041	WASHER - 3/8 Flat HT	10
7	D124301	RETAINER - 3/4 Tube	1
8	214-1472	CLAMP - Hose, #72	2
9	D38648	SADDLE - Tube	4
10	D120679	RETAINER - 1/2 Tube	2
11	426-624	BOLT - 3/8 x 1-1/2	3
12	H45468	RETAINER - Tube	1
13	426-616	BOLT - 3/8 x 1	1
14	H233304	RETAINER - Hose	4
15	426-552	BOLT - 5/16 x 3-1/4	4
16	230-4215	NUT - 5/16 CL	4
17	H426775	WASHER - 5/16 Flat HT	8
18	H433518	RETAINER - Hose	1
19	426-640	BOLT - 3/8 x 2-1/2	1
20	230-4216	NUT - 3/8 CL	5
21	214-1488	CLAMP - Hose, #88	2
22	H231894	RETAINER - Hose	5
24	H436769	RETAINER - Hose	2
25	426-612	BOLT - 3/8 x 3/4	2
26	492-11038	WASHER - 3/8 Lock	3
27	214-1456	CLAMP - Hose, #56	1
28	D131789	SLEEVE - Hose Protector (Dia 1-1/4)	2
29	D131814	SLEEVE - Hose Protector (Dia 1-3/4)	3
30	L18331	TIE - Wire	2
33	218-5231	ELBOW - 90, 1-1/16 MJIC x 1-1/16 FJIC SW	2
34	218-737	CONNECTOR - 1-1/16 MJIC x 1-1/16 MJIC Str	2
36	218-5108	ELBOW - 90, 1-1/16 MORB x 1-1/16 MJIC	2
38	218-5062	CONNECTOR - 7/8 MORB x 7/8 MJIC Str	10
39	218-5354	CONNECTOR - 7/8 MORB x 9/16 MJIC Str	6
40	218-5105	ELBOW - 90, 9/16 MORB x 9/16 MJIC	4
41	H759110	ORIFICE - Plate, One-Way (0.0935 in Dia)	2
42	218-5128	ELBOW - 90, 3/4 MORB x 9/16 MJIC	4
43	218-5107	ELBOW - 90, 7/8 MORB x 7/8 MJIC	2
44	H434281	ORIFICE - One-Way, 0.136 Dia, 7/8 MORB x FORB	1
45	218-736	CONNECTOR - 7/8 MJIC x 7/8 MJIC Str	1
46	495-31022	SEAT - Orifice, 1/2 OD, #12 Washer	2
47	218-734	CONNECTOR - 9/16 MJ x 9/16 MJ Str	2
61	H433854	HOSE - 5/8 x 775mm, 100R2, 1-1/16 FJ Ends	1
62	120837A1	HOSE - 5/8 x 82.5mm, 100R2, 1-1/16 FJ Ends	1
63	H165282	HOSE - 1/4 x 21mm, 100R1, 9/16 MJ x 9/16 FJ	2
64	H434207	HOSE - 1/4 x 215mm, 100R1, 9/16 MJ x 9/16 FJ	2
65	H165340	HOSE - 1/4 x 12mm, 100R1, 9/16 MJ x 9/16 FJ	1
66	H168625	HOSE - 1/4 x 15mm, 100R1, 9/16 MJ x 9/16 FJ	1
67	108145A1	HOSE - 3/8 x 508mm, 100R1, 9/16 FJ x 9/16 90 Deg	1
68	108144A1	HOSE - 3/8 x 876mm, 100R1, 9/16 FJ x 9/16 90 Deg	1

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BUCKET CYLINDER
DIPPER CYLINDER
BOOM CYLINDER
LT. STAB. CYLINDER
RT. STAB. CYLINDER
LT. SWING CYLINDER
RT. SWING CYLINDER
OUT
PB
IN
BOOM
SWING
STAB
STAB
DIPPER
BUCKET
BACKHOE VALVE
FRONT LEFT CHASSIS
UPPER FITTING (RETURN)
LOWER FITTING (PRESSURE)

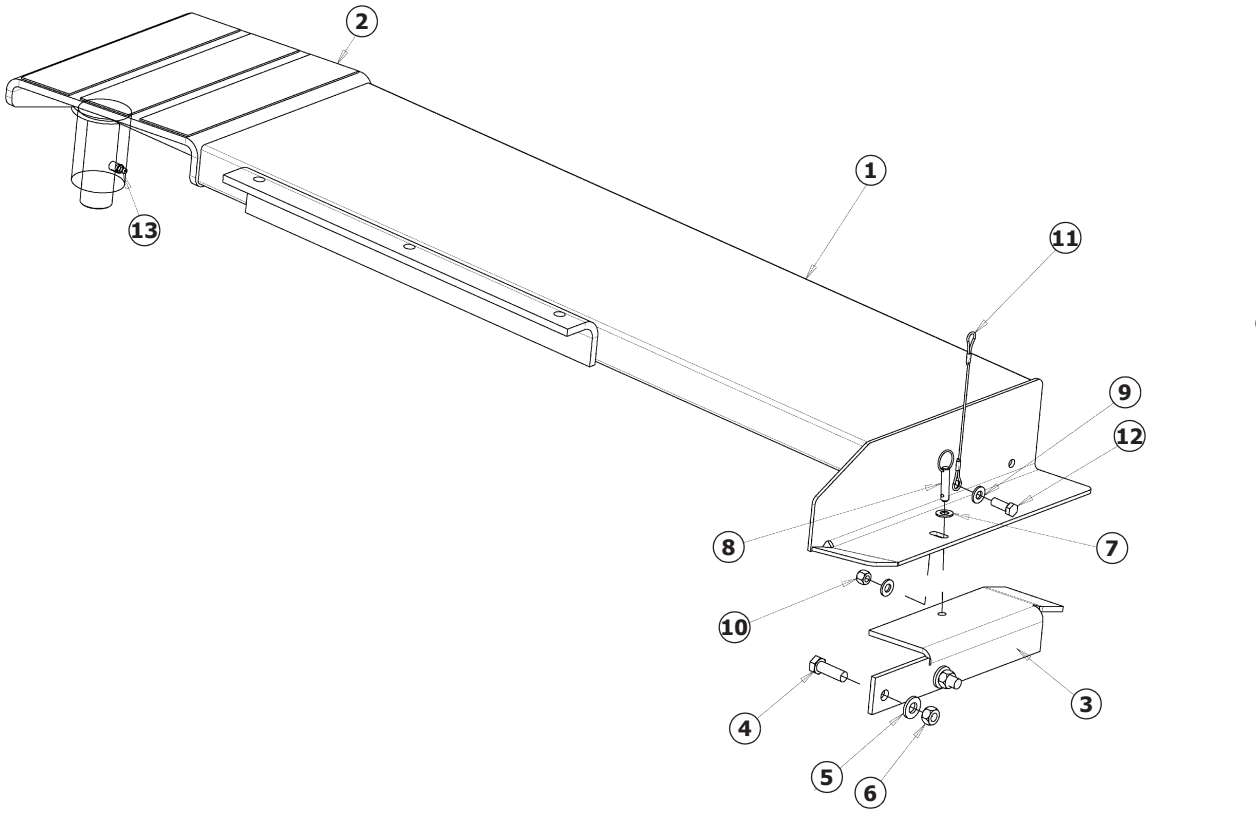
KIT - BACKHOE PLUMBING

REF.	PART NO.	DESCRIPTION	REQ'D.
	108817A1	KIT - Backhoe Plumbing	1
69	H433855	HOSE - 1/2 x 910mm, MEGA-FLEX 78 MJ Ends	2
70	H433856	HOSE - 1/2 x 180mm, MEGA-FLEX 7/8 MJ Ends	2
71	H433857	HOSE - 1/2 x 2830mm, MEGA-FLEX 7/8 MJ x 1/8 FJ	2
80	H672533	TUBE - Valve Inlet (3/4 OD)	1
81	108087A1	TUBE - Valve Return (3/4 OD)	1
82	H672385	TUBE - Valve, Boom Head (5/8 OD)	1
83	H672386	TUBE - Valve, Boom Rod (5/8 OD)	1
84	H672391	TUBE - Valve, LH Swing (3/8 OD)	1
85	H672392	TUBE - Valve, RH Swing (3/8 OD)	1
86	H672405	TUBE - Valve, LH Stab Head (3/8 OD)	1
87	H672406	TUBE - Valve, LH Stab Rod (3/8 OD)	1
88	H672407	TUBE - Valve, RH Stab Head (3/8 OD)	1
89	H672408	TUBE - Valve, RH Stab Rod (3/8 OD)	1
90	H672387	TUBE - Valve, Dipper Head (5/8 OD)	1
91	H672388	TUBE - Valve, Dipper Rod (5/8 OD)	1
92	H672389	TUBE - Valve, Bucket Head (5/8 OD)	1
93	H672390	TUBE - Valve, Bucket Rod (5/8 OD)	1
94	H672348	TUBE - Boom Cylinder Head (5/8 OD)	1
95	H672349	TUBE - Boom Cylinder Rod (5/8 OD)	1
96	H672350	TUBE - Dipper Cylinder Head (5/8 OD)	1
97	H672351	TUBE - Dipper Cylinder Rod (5/8 OD)	1
98	H672353	TUBE - Bucket Cylinder Rod (5/8 OD)	1


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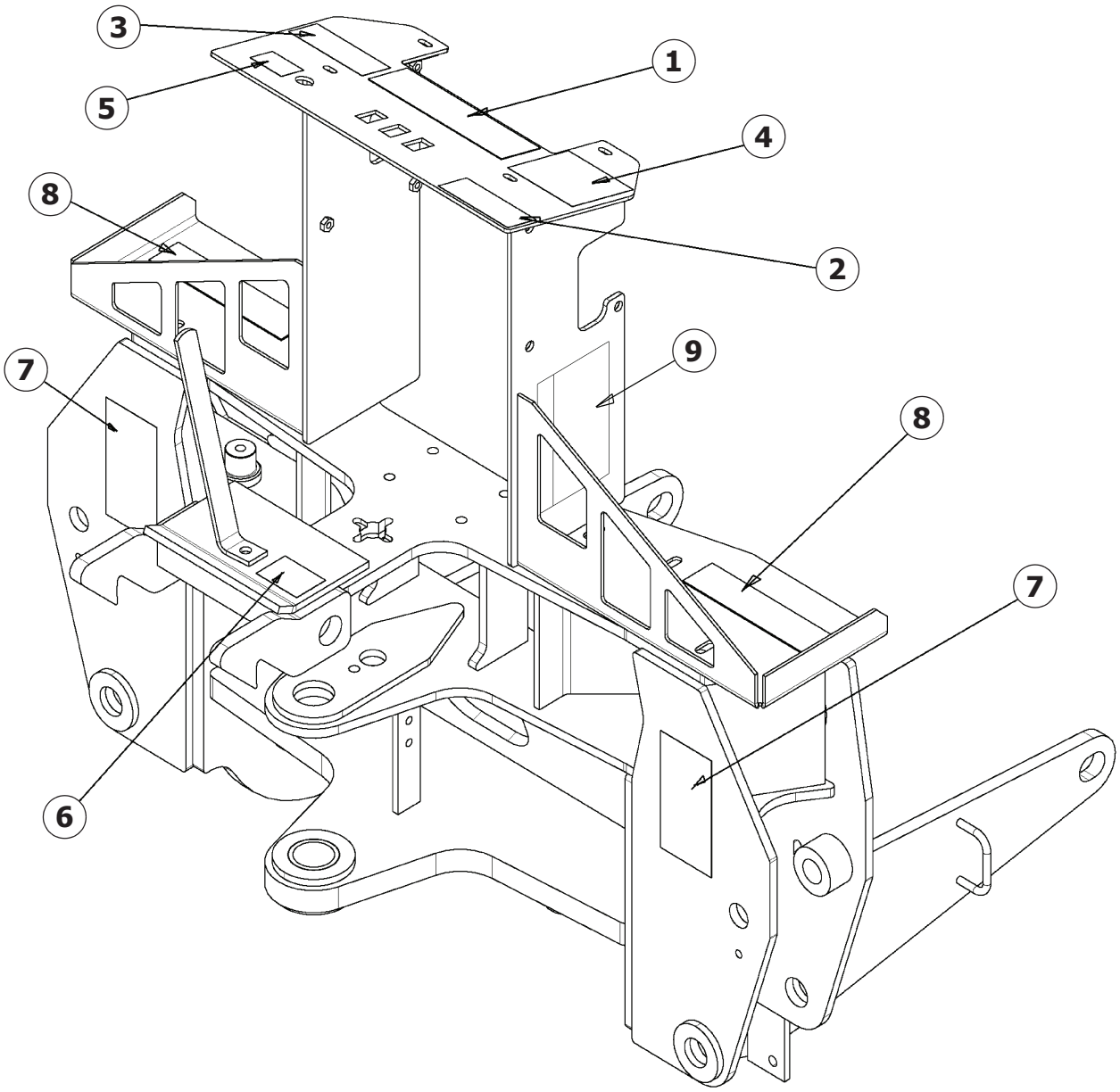
WALKWAY KIT ASSEMBLY - BACKHOE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118295	ASSEMBLY - Backhoe Walkway Kit	1
1	AU106979	ASSEMBLY - Catwalk	1
2	AU106858	ASSEMBLY - Handrail	1
3	426-824	BOLT - Hex Hd 0.50 x 1.50 GR8 ZND	3
4	496-21053	WASHER - 0.531 x 1.062 x 0.134 in Hdn ZND	3
5	230-4218	NUT - Prev Trq 1/2 GRA CAD NONDIR	3
6	AU118292	WELDMENT - Mounting, Walkway Bracket	1
7	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	3
8	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	3


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CATWALK ASSEMBLY

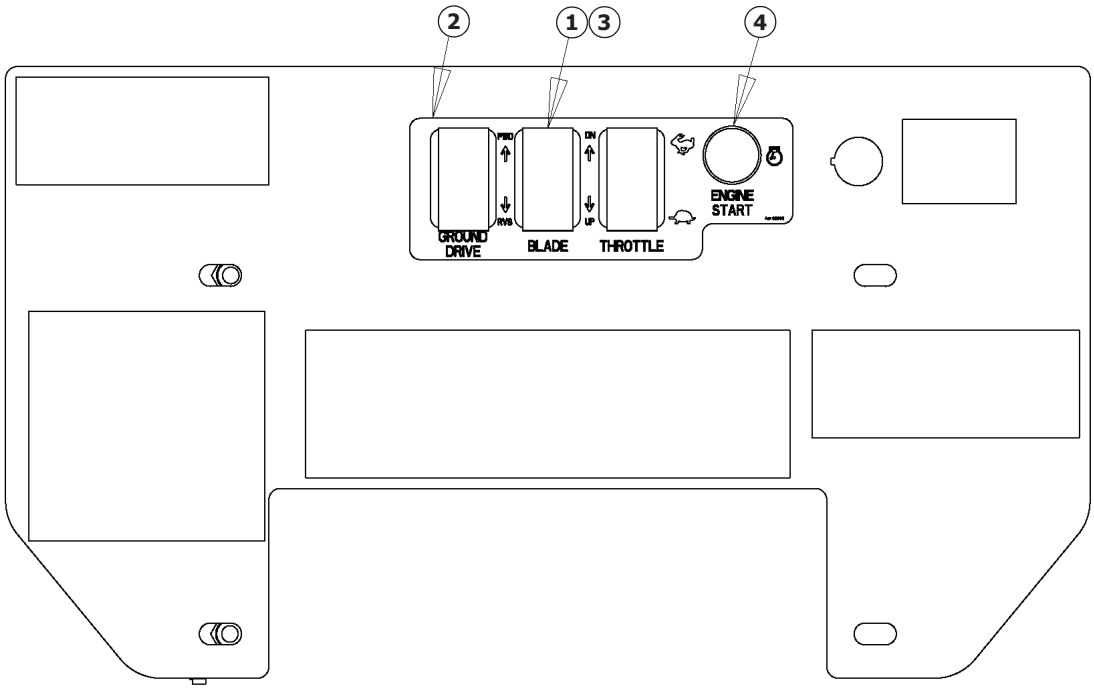
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106979	ASSEMBLY - Catwalk	1
1	AU114762	CATWALK - Backhoe Attachment	1
2	AU105411	ANTI-SKID TAPE - Catwalk	3
3	H434330	ANGLE - Walkway Support	1
4	426-824	BOLT - Hex Hd .500 x 1.50 GR5 ZND	2
5	496-21053	WASHER - .531 x 1.062 x .134 in HDN ZND	2
6	230-4218	NUT - Prev Trq 1/2 GRA CAD NONDIR	2
7	495-11041	WASHER - .406 x 0.812 x .065 in CST ZND	1
8	D94535	PIN - Cotterless	1
9	496-21041	WASHER - .406 x 0.812 x .089 in HDN ZND	2
10	230-4216	NUT - Prev Trq 3/8 GRA CAD NONDIR	1
11	L78786	RETAINER - Wire Rope	1
12	426-616	BOLT - Hex Hd .375 x 1.00 GR5 ZND	1
13	219-8	FITTING - Lube, 1/4 - 28 TPR SAE-LT, .54 Lg	1


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BACKHOE DECAL LOCATIONS

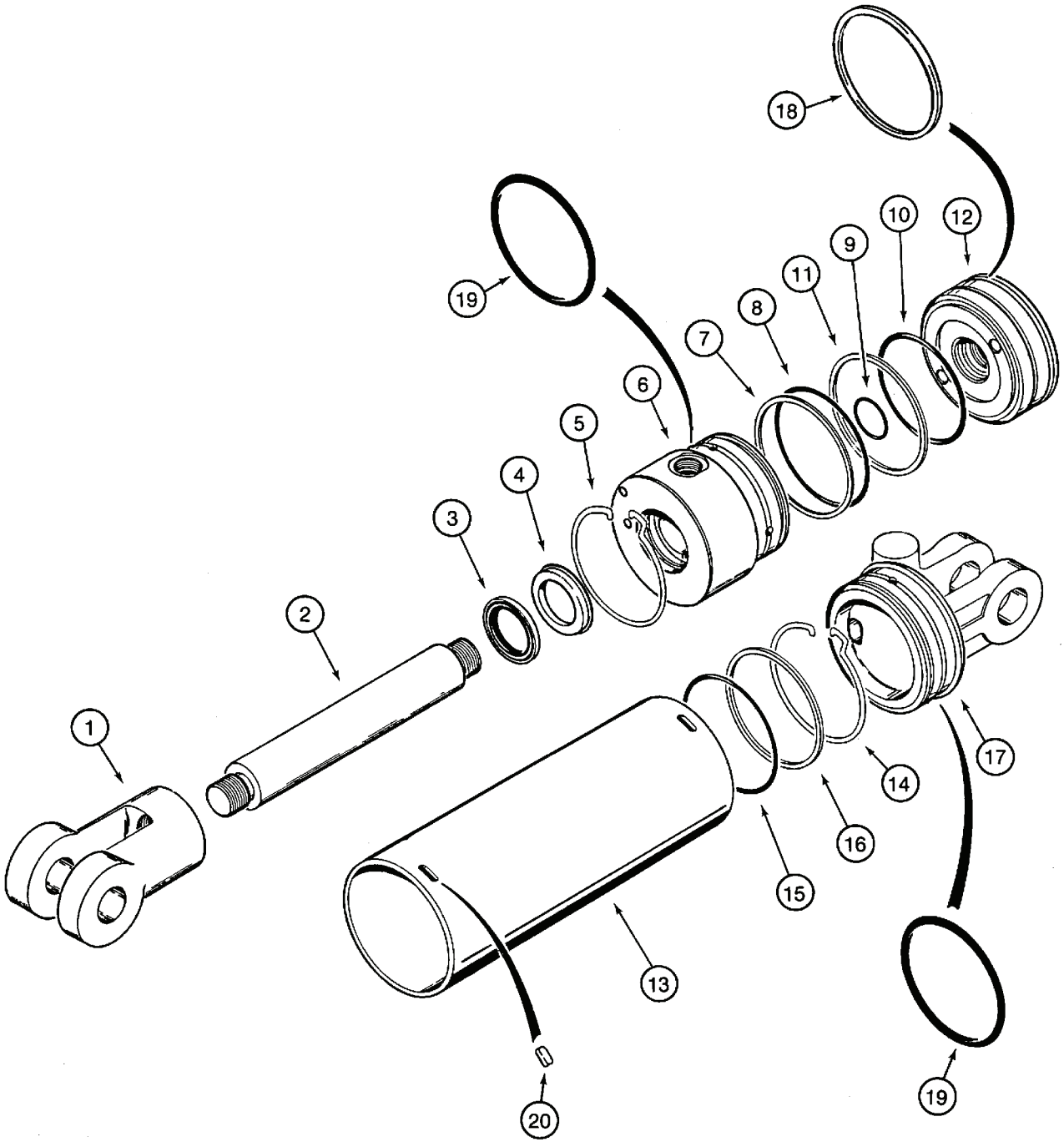
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108206	DECALS - Backhoe	1
1	179079A1	DECAL - Backhoe Control Pattern	1
2	419483A1	DECAL - Danger, Backhoe Crush Hazard	1
3	419485A1	DECAL - Backhoe Stabilizer	1
4	419486A1	DECAL - Warning, Backhoe Lifting	1
5	429180A1	DECAL - Engine Shut-Off	1
6	433783A1	DECAL - Backhoe Transport Lock	1
7	419480A1	DECAL - Danger, Backhoe Crush Hazard	2
8	D55216	TAPE - Anti-Skid	2
9	321-7037	DECAL - Warning, Backhoe Operation	1

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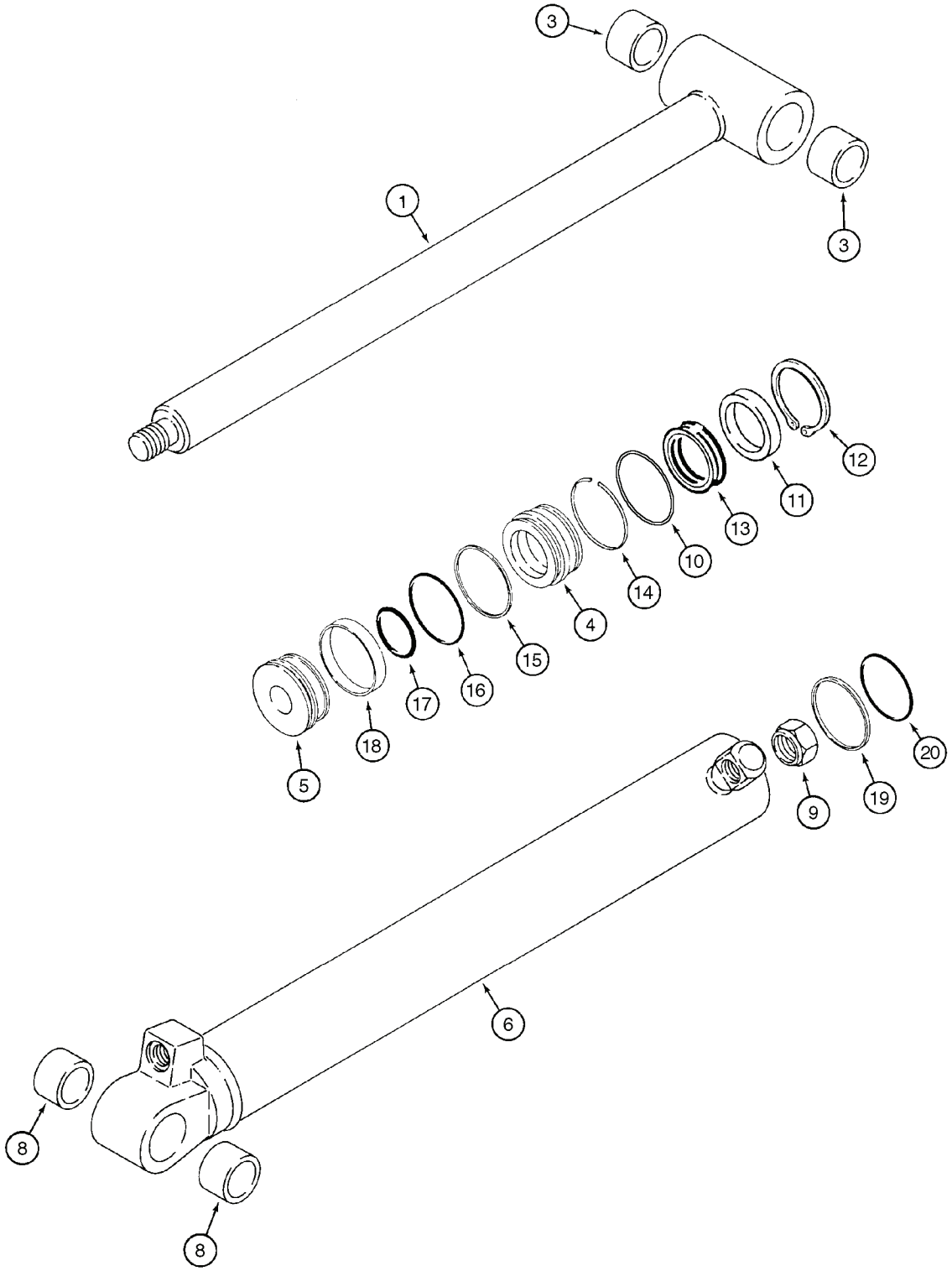
BACKHOE CONTROLS OPTION

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108212	ASSEMBLY - Backhoe Controls Option	1
1	360931A1	SWITCH - Rocker	3
2	AU108000	DECAL - Backhoe Controls	1
3	AU108211	HARNESS - Backhoe Control	1
4	30-1608-1005	SWITCH - Pushbutton	1


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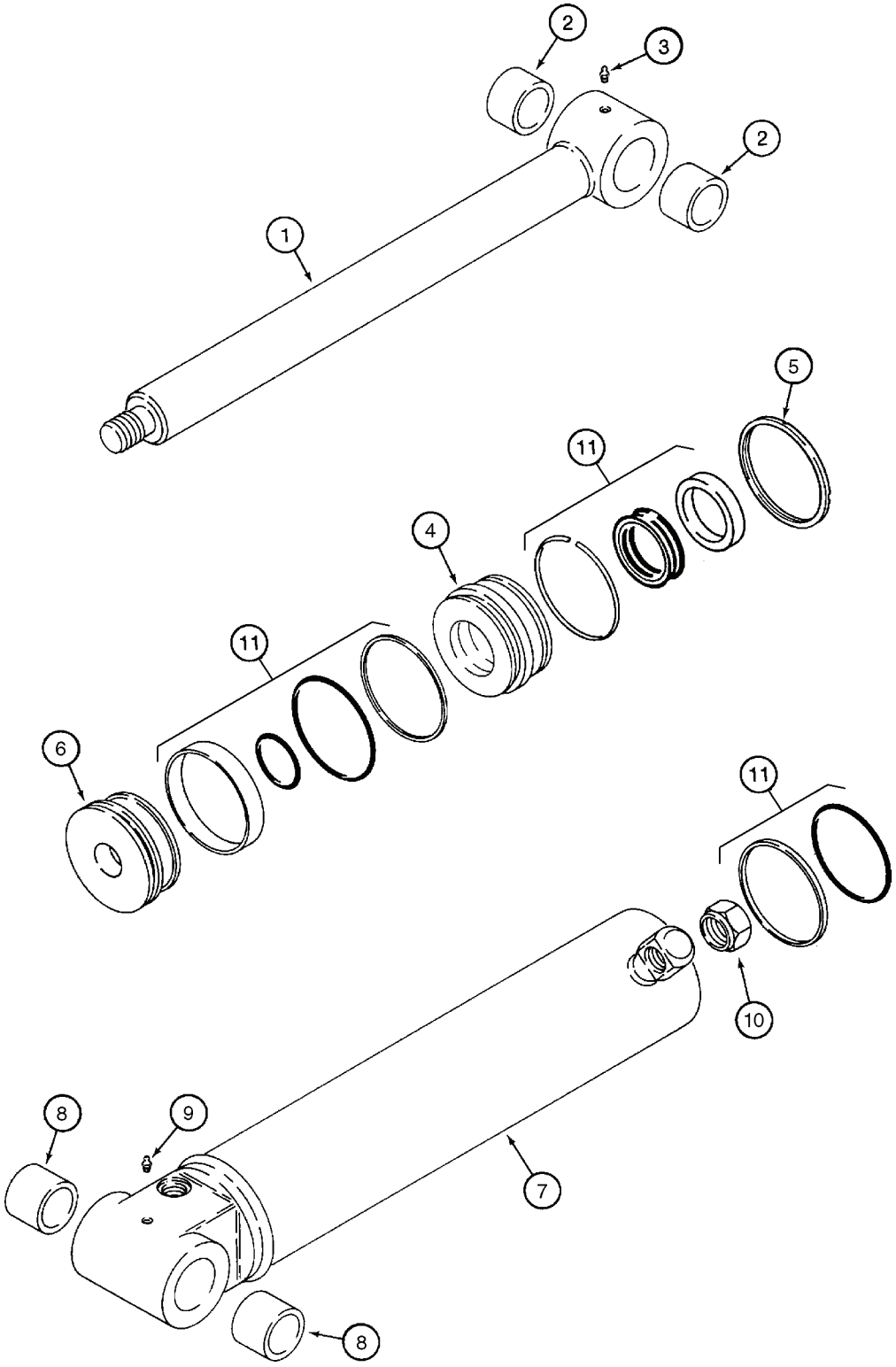
CYLINDER ASSY - BACKHOE STABILIZER

REF.	PART NO.	DESCRIPTION	REQ'D.
	101646A1	ASSEMBLY - Cylinder, Backhoe Stabilizer, 95 ID x 406 STRK	2
1	102913A1	END - Rod	1
2	N13937	ROD - Piston	1
3	NSS	WIPER - Piston Rod	1
4	NSS	SEAL - U-Cup, Piston Rod	1
5	NSS	RING - Lock	1
6	102914A1	GLAND - Cylinder	1
7	NSS	RING - Backup, O-Ring	1
8	NSS	O-RING	1
9	NSS	O-RING	1
10	NSS	O-RING	1
11	NSS	SEAL	1
12	102911A1	PISTON - Cylinder	1
13	102912A1	TUBE - Cylinder	1
14	NSS	Ring, Lock	1
15	NSS	O-Ring	1
16	NSS	Ring, Backup	1
17	N13935	HEAD - Cylinder	1
18	NSS	RING - Wear	1
19	NSS	O-RING	2
20	NSS	COVER - Ring, Lock	2
	H673839	KIT - Seal Repair (Consists of items 3 - 5, 7 - 11, 14 - 16, 18 - 20) (Used with pistons with 4.32 mm (0.17 in) wide seal groove.)	1
	409091A1	KIT - Seal Repair (Consists of items 3 - 5, 7 - 11, 14 - 16, 18 - 20) (Used with pistons with 6.35 mm (0.25 in) wide seal groove.)	1


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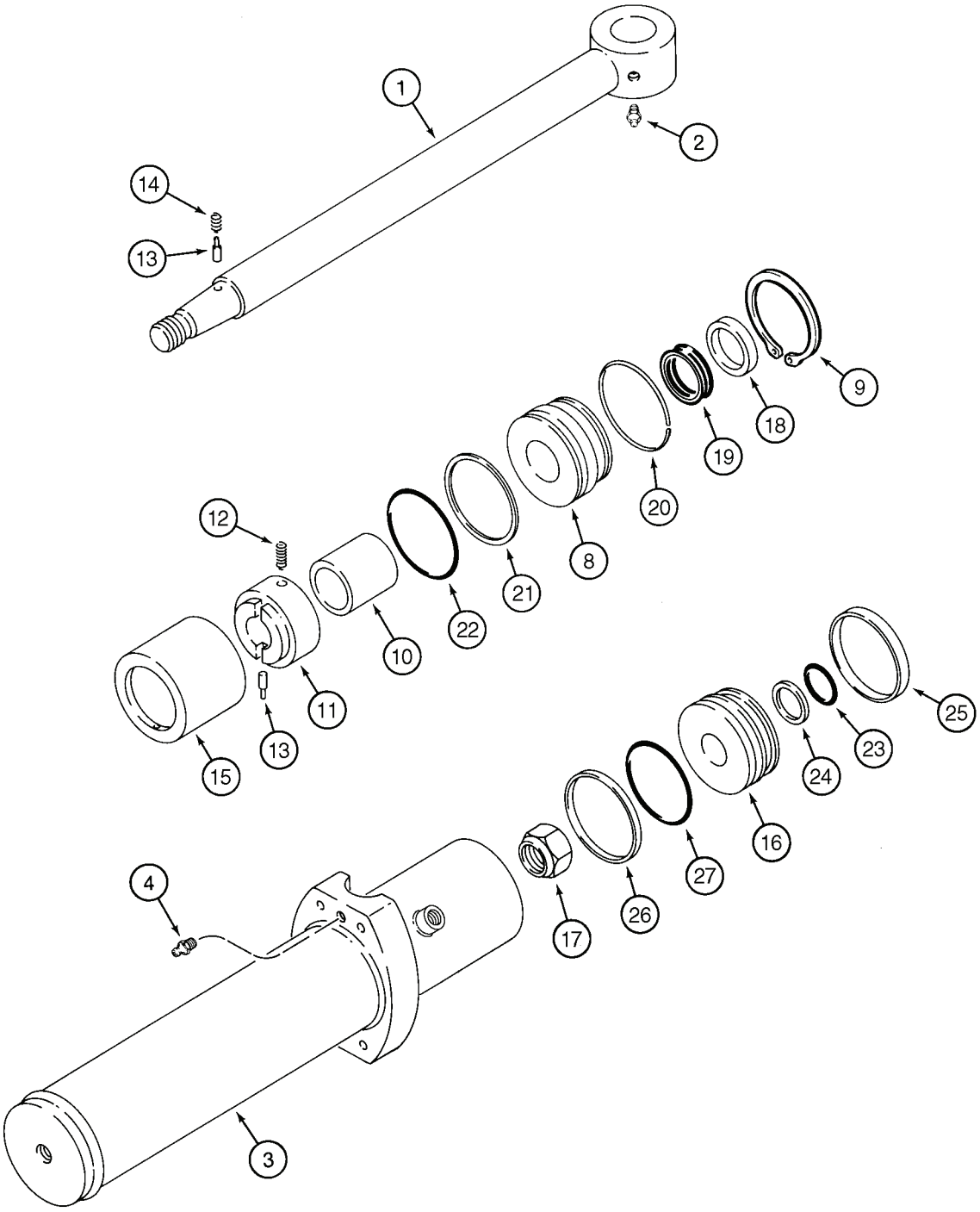
CYLINDER ASSY - BACKHOE BUCKET

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672570	ASSEMBLY - Cylinder, Bucket - 75 ID x 654 STRK	1
	N13930	ASSEMBLY - Rod, Piston (Consists of items 1 & 3)	1
1	NSS	ROD - Piston	1
3	N13921	BUSHING - Piston Rod	2
4	N13928	GLAND - Cylinder	1
5	N13927	PISTON	1
	N13929	ASSEMBLY - Tube (Consists of items 6 & 8)	1
6	NSS	TUBE - Cylinder	1
8	N13921	BUSHING - Piston Rod	2
9	232-24018	NUT - 1-1/8	1
	N13931	KIT - Seal (Consists of items 10 - 20)	1
10	NSS	RING - Lock	1
11	NSS	WIPER	1
12	NSS	RING - Retaining	1
13	NSS	SEAL	1
14	H52761	RING - Retaining	1
15	H745760	RING - Backup	1
16	238-5232	O-RING - 2-3/4 ID x 1/8	1
17	238-6226	O-RING - 2 ID x 1/8	1
18	H252833	RING - Wear, Piston	1
19	H120188	RING - Backup	1
20	238-6231	O-RING - 2-5/8 ID x 1/8	1


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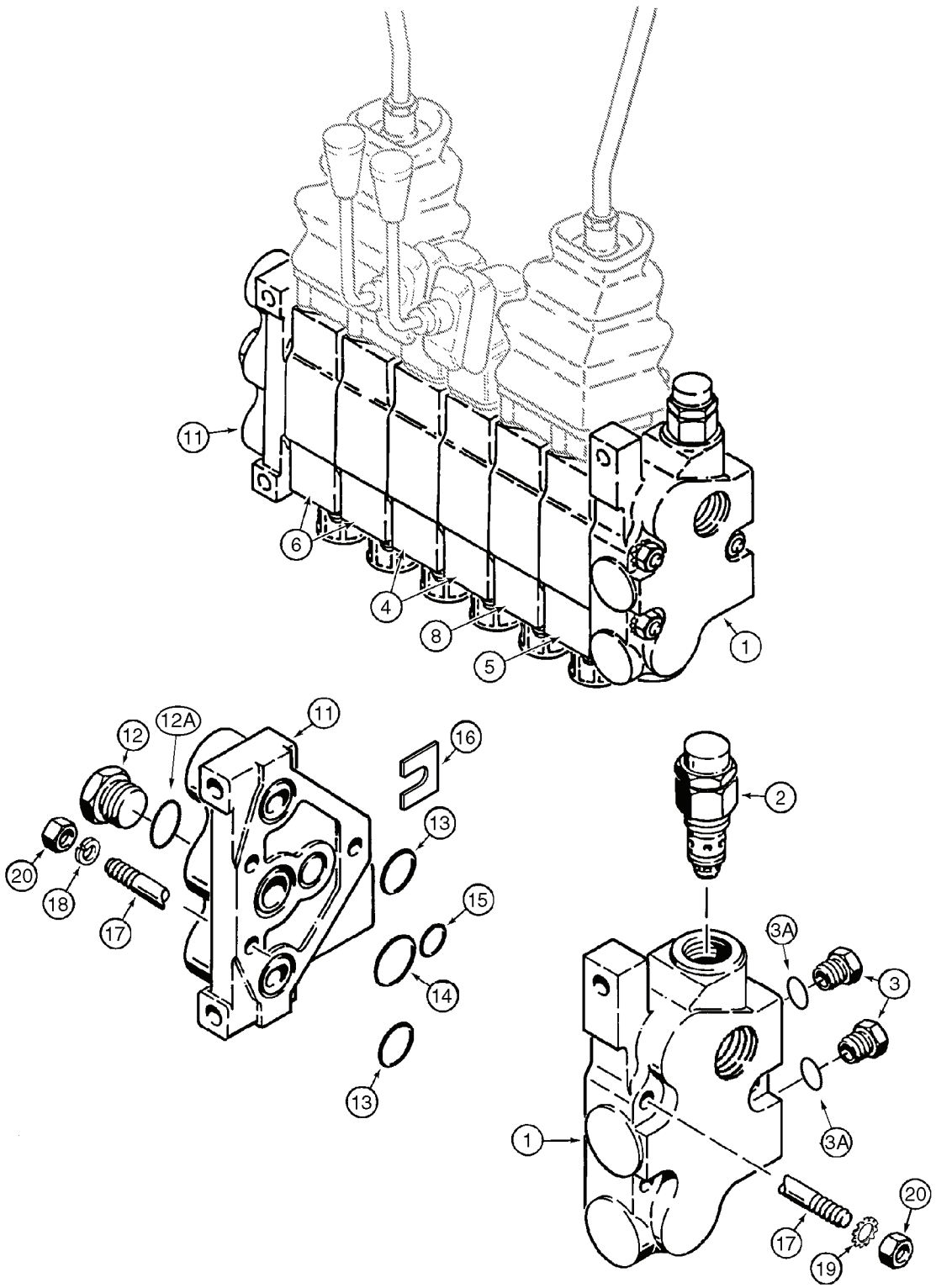
CYLINDER ASSY - BACKHOE DIPPER

REF.	PART NO.	DESCRIPTION	REQ'D.
	138234A1	ASSEMBLY - Cylinder, Dipper - 102 ID x 441 STRK (Consists of items 1 - 11)	1
	142757A1	ASSEMBLY - Rod, Piston (Consists of items 1 - 3)	1
1	NSS	ROD - Piston	1
2	178307A1	BUSHING - Piston, Rod	2
3	219-8	FITTING - Grease - 1/4 TPR x 17/32	1
4	142754A1	GLAND - Cylinder	1
5	T52488	NUT - Special	1
6	N13922	PISTON - Cylinder	1
	142755A1	ASSEMBLY - Tube, Cylinder (Consists of items 7 - 9)	1
7	NSS	TUBE	1
8	N13921	BUSHING - Piston Rod	2
9	219-8	FITTING - Grease - 1/4 TPR x 17/32	1
10	232-24020	NUT - Lock - 1-1/4 NF	1
11	292230A1	KIT - Repair, Seal	1


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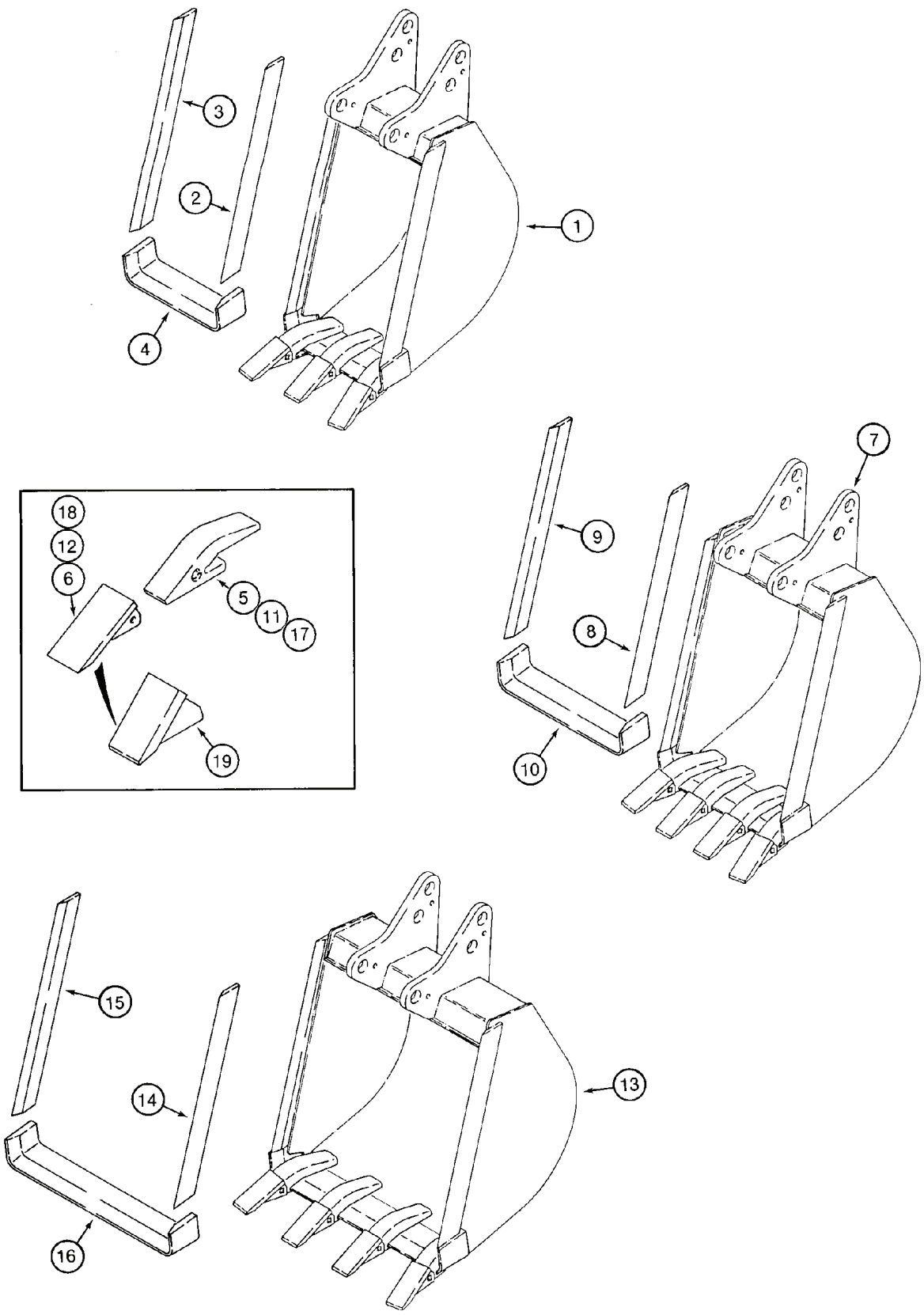
CYLINDER ASSY - BACKHOE SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672571	ASSEMBLY - Cylinder, Swing - 83 ID x 341 STRK	2
	N13909	ASSEMBLY - Rod (Consists of items 1 & 2)	1
1	NSS	ROD - Piston	1
2	219-17	FITTING - Grease - 3/16 DR Type x 17/32	2
	N13908	ASSEMBLY - Tube, Cylinder (Consists of items 3 & 4)	1
3	NSS	TUBE - Cylinder	1
4	219-1	FITTING - Grease - 1/8 PT x 21/32	2
8	N13907	GLAND - Cylinder	1
9	H746685	RING - Retaining	1
10	N13913	SPACER	1
11	N13911	RETAINER	1
12	A47976	SPRING	1
13	N13912	PIN - Lock	2
14	N13905	SPRING	1
15	N13910	SLEEVE - Cylinder	1
16	N13906	PISTON - Cylinder	1
17	232-24018	NUT - 1-1/8	1
	N13914	KIT - Seal Repair (Consists of items 18 - 27)	1
18	A27564	WIPER - Piston Rod	1
19	H220558	SEAL - Rod	1
20	A44708	RING - Lock	1
21	G32122	RING - Backup	1
22	238-5234	O-RING - 3 ID x 1/8	1
23	238-5217	O-RING - Piston - 1-3/16 ID x 1/8	1
24	NSS	RING - Backup	1
25	NSS	RING - Wear, Piston	1
26	NSS	WASHER - Backup	1
27	NSS	O-RING - Piston	1


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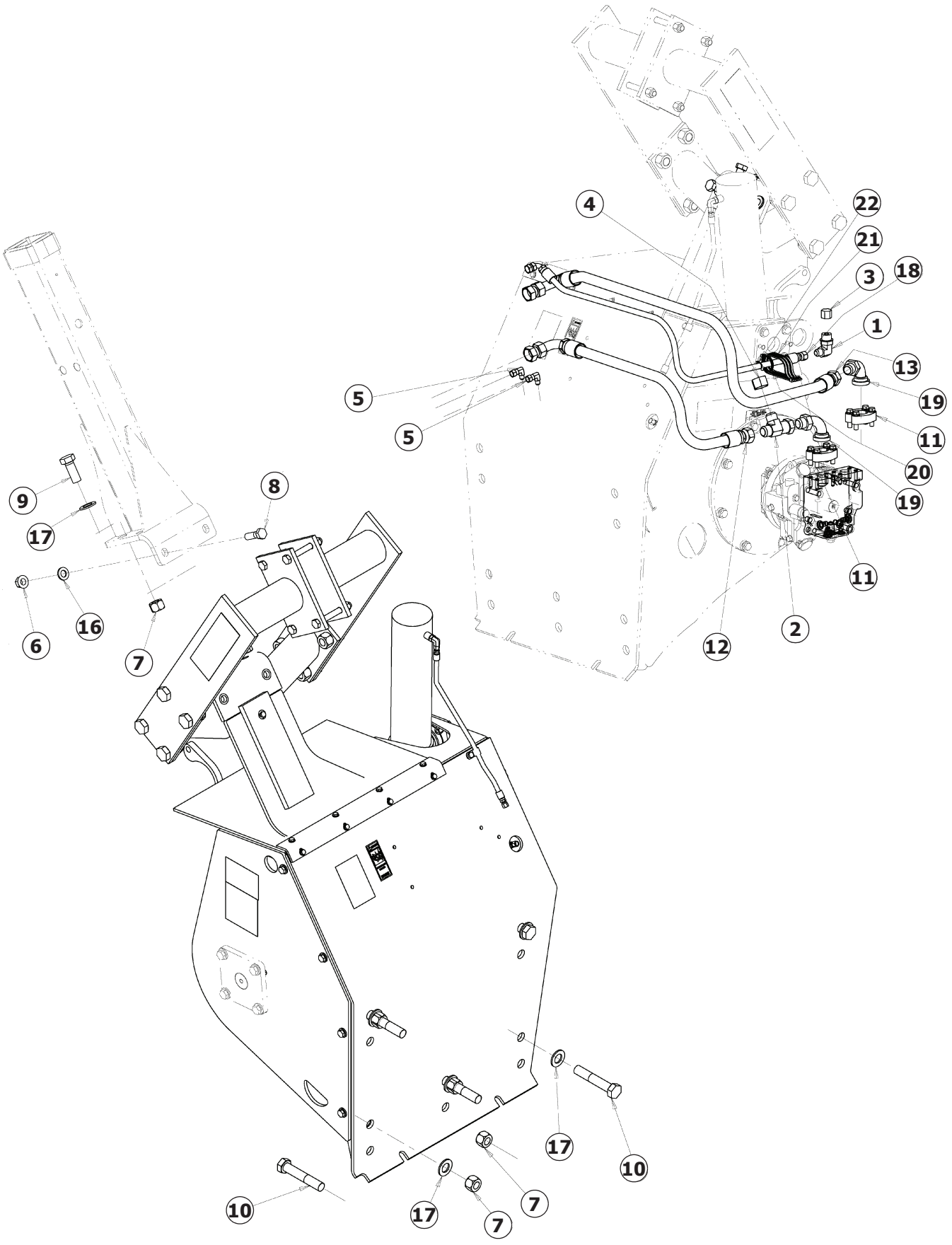
VALVE ASSY - BACKHOE CONTROL

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672270	ASSEMBLY - Control Valve, Backhoe	1
1	N14032	ASSEMBLY - Inlet (Includes items 2, 3, & 3A)	1
2	N14645	VALVE - Relief	1
3	218-5155	PLUG - Hex - 9/16 OR (Includes item 3A)	2
3A	237-6006	O-RING - 15/32 ID x 5/64	1
4	H674692	ASSEMBLY - Stabilizer	2
5	H674691	ASSEMBLY - Bucket	1
6	H674693	ASSEMBLY - Dipper, Swing	2
8	H674694	ASSEMBLY - Boom	1
	N14036	ASSEMBLY - Outlet (Consists of items 11 - 16)	1
11	NSS	ASSEMBLY - Outlet	1
12	218-5211	PLUG - Hex Socket - 7/8 OR (Includes item 12A)	1
12A	237-6010	O-RING - 3/4 ID x 3/32	1
13	H438208	O-RING, Medium	2
14	H438209	O-RING, Large	1
15	H438210	O-RING, Small	1
16	H438211	SHIM - Adjusting	1
	N14041	KIT - Tie Rod (Consists of items 17 - 20)	3
17	NSS	ROD - Tie	1
18	492-11038	WASHER - Lock - 3/8	1
19	93-41039	WASHER - Lock - 3/8	1
20	425-116	NUT - 3/8 NF	2


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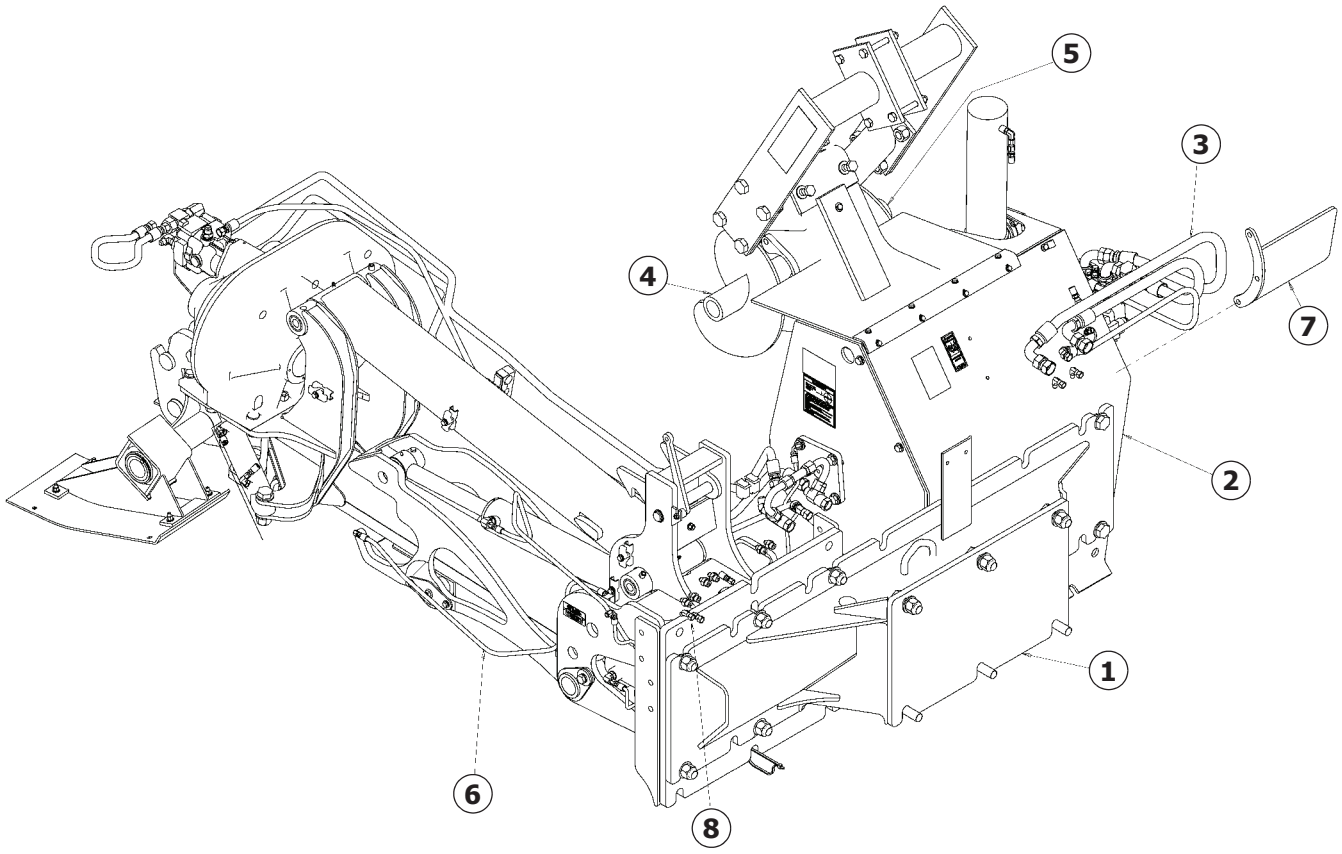
BUCKET - BACKHOE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H672513	ASSEMBLY - Bucket, 344 mm (13 in) (Includes items 2 - 6)	1
2	H433581	PLATE - Right Hand Side	1
3	H433584	PLATE - Left Hand Side	1
	H672510	ASSEMBLY - Plate, Center (Includes items 4 - 6)	1
4	NSS	PLATE - Center (Includes items 5 & 6)	1
5	NSS	SHANK - Bucket Tooth	1
6	D27748	POINT - Bucket Tooth	1
7	H672514	ASSEMBLY - Bucket, 458 mm (18 in) (Includes items 8 - 12)	1
8	H433581	PLATE - Right Hand Side	1
9	H433584	PLATE - Left Hand Side	1
	H672511	ASSEMBLY - Plate, Center (Includes items 10 - 12)	1
10	NSS	PLATE - Center (Includes items 11 & 12)	1
11	NSS	SHANK - Bucket Tooth	1
12	D27748	POINT - Bucket Tooth	1
13	H672515	ASSEMBLY - Bucket, 610 mm (24 in) (Includes items 14 - 18)	1
14	H433581	PLATE - Right Hand Side	1
15	H433584	PLATE - Left Hand Side	1
	H672512	ASSEMBLY - Plate, Center (Includes items 16 - 18)	1
16	NSS	PLATE - Center (Includes items 17 & 18)	1
17	NSS	SHANK - Bucket Tooth	1
18	D27748	POINT - Bucket Tooth	1
19	D36720	POINT - Bucket Tooth, Heavy Duty (Service Option Only)	AR


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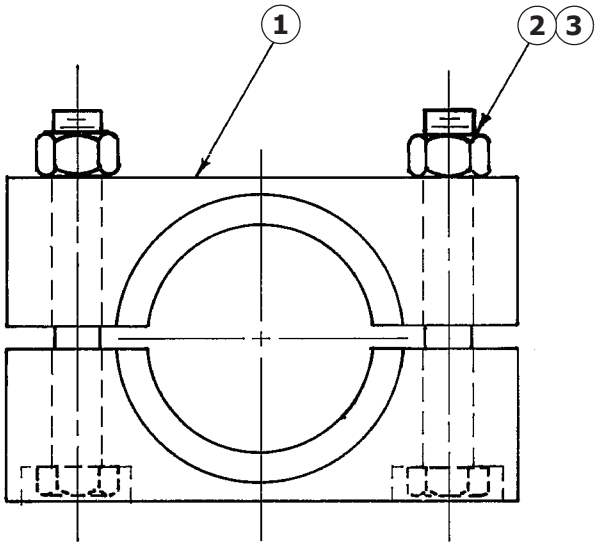
TRENCHER ATTACHMENT KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119089	ATTACHMENT KIT - Trencher	1
1	218-5119	ELBOW - 90 Adj 37FL 5/8 x 3/4 Tube	1
2	218-5223	TEE - Swivel Run 37FL 1.0 x 1.0 x 1.0	1
3	218-756	CAP - 37FL 5/8 Tube	1
4	218-758	CAP - 37FL 1.0 Tube	1
5	218-980	ELBOW - 90 Swivel 37FL 3/8 Tube	2
6	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 ZND	4
7	232-41116	NUT - Prev Trq 1" GRC CAD Direct	7
8	426-1240	BOLT - Hex Hd 0.75 x 2.50 GR8 ZND	4
9	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	2
10	426-1688	BOLT - Hex Hd 1.00 x 5.50 GR8 ZND	5
11	114285A1	KIT - Split Flange, -16 Code 62	2
12	382557A1	ASSEMBLY - Hose, Low Pressure Loop	1
13	382557A1	ASSEMBLY - Hose, High Pressure Loop	1
14	AU101917	CONDUIT - Plastic	1
15	AU108263	HARNESS - Trencher Shift	1
16	H426817	WASHER - Flat	4
17	H426833	WASHER - H.T. (1" Bolt)	12
18	H432609	ASSEMBLY - Hose, Case Drain	1
19	H439280	ADAPTER - Hydraulic, Code 62 Flange to Male JIC	2
20	L11541	STRAP - Cable Tie Black 7-8 inch Nylon	3
21	L18331	TIE - Hose	3
22	R40745	STRAP - Cable Tie Black 15mm Dia, 3.00 W Nylon	2


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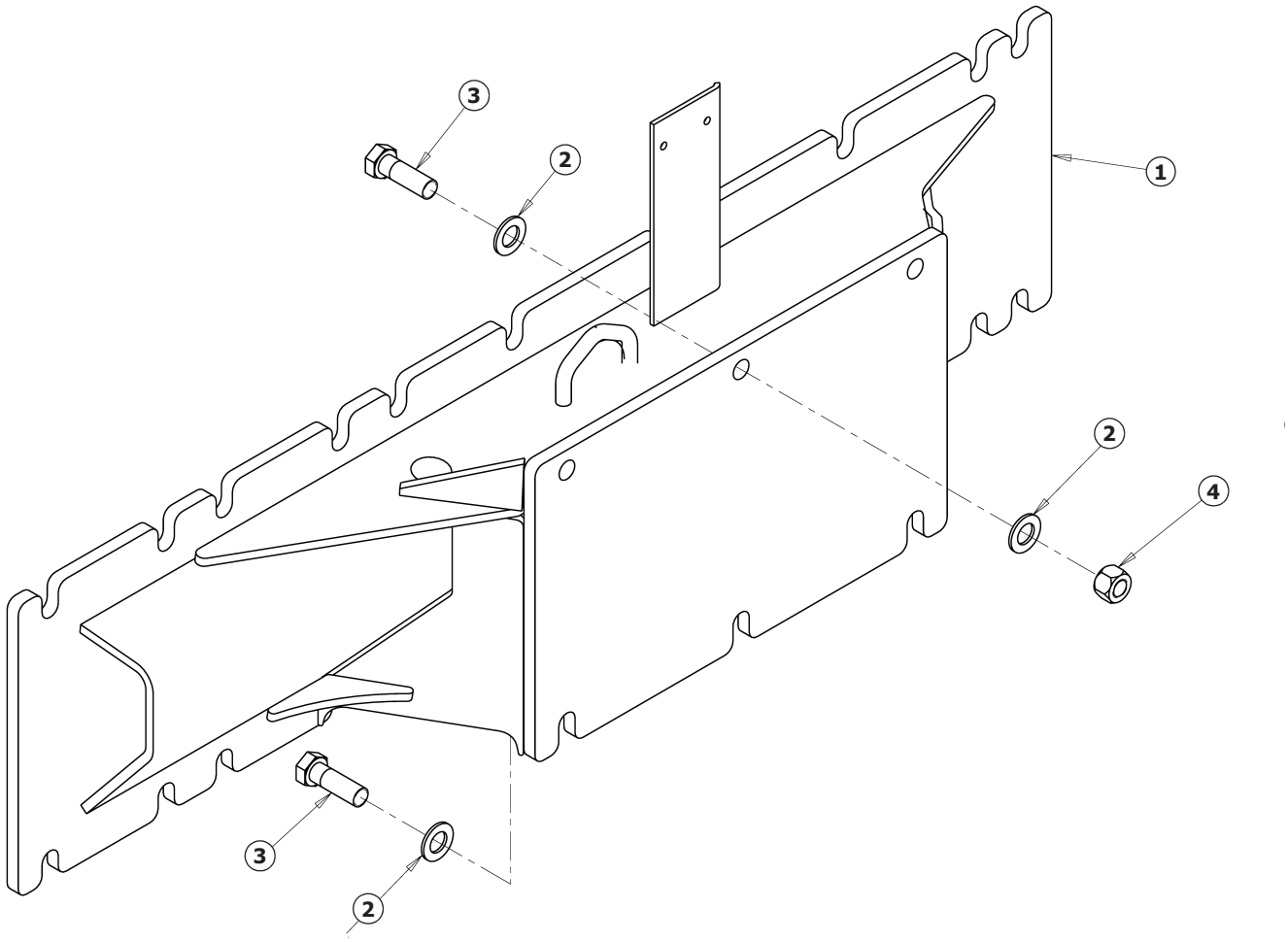
QUAD KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118941	KIT - Quad	1
1	AU108207	WELDMENT - Quad Frame	1
2	AU118936	KIT - Trencher	1
3	AU119088	ATTACHMENT KIT - Trencher	1
4	H673128	WELDMENT - Auger, RH	1
5	H673129	WELDMENT - Auger, LH	1
6	AU119112	ASSEMBLY - Plow	1
7	AU105756	GUARD - Trencher Motor	1
8	H675015	BLOCK - Stop	1


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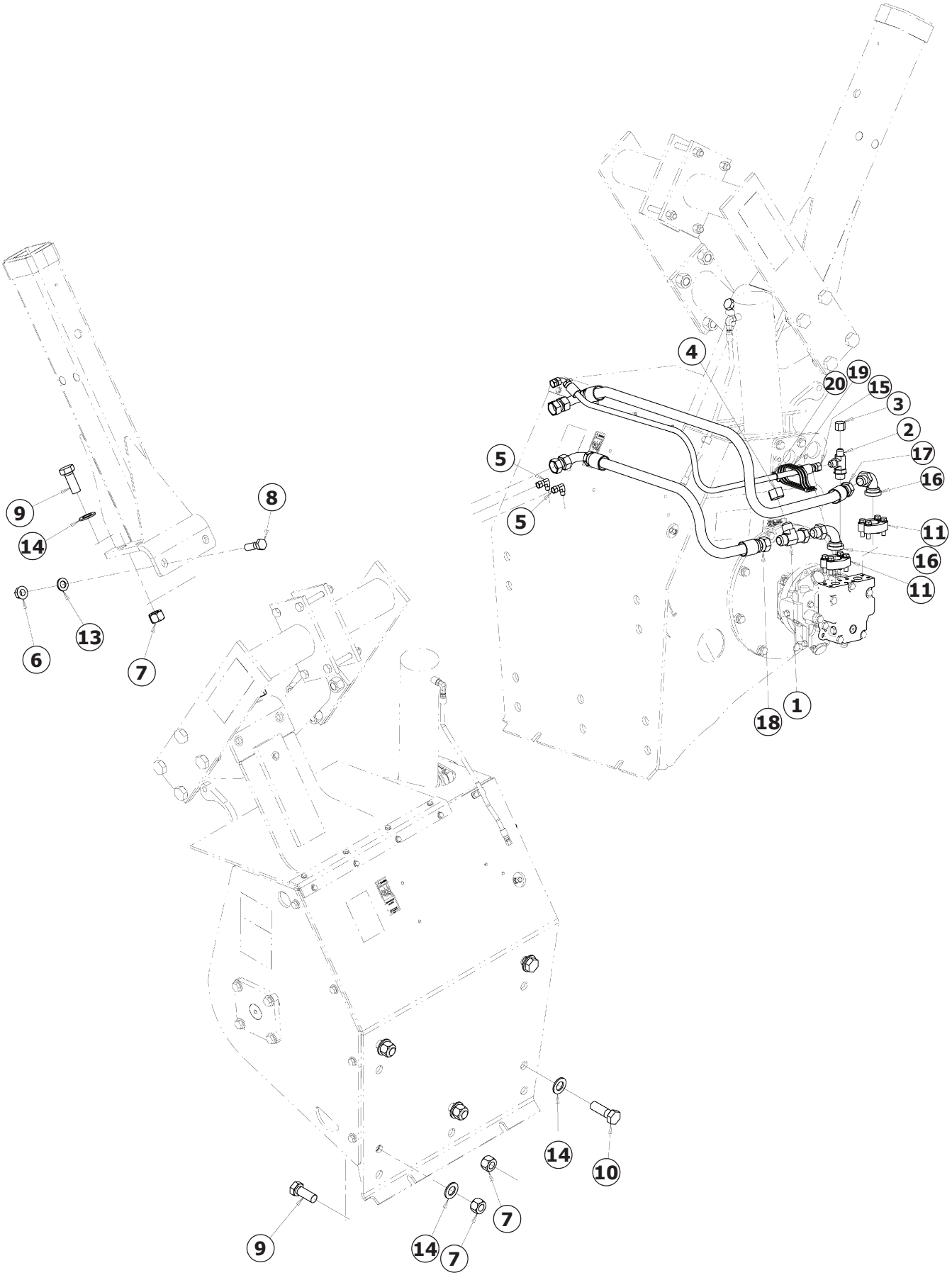
STOP ASSEMBLY - PLOW SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
	H675015	STOP ASSEMBLY - Plow Swing	1
1	H439102	BLOCK - Swing Cylinger Stop	1
2	426-644	BOLT - 3/8 x 2-3/4 UNC GRD5	2
3	232-4116	NUT - 3/8 GRD C TL	2


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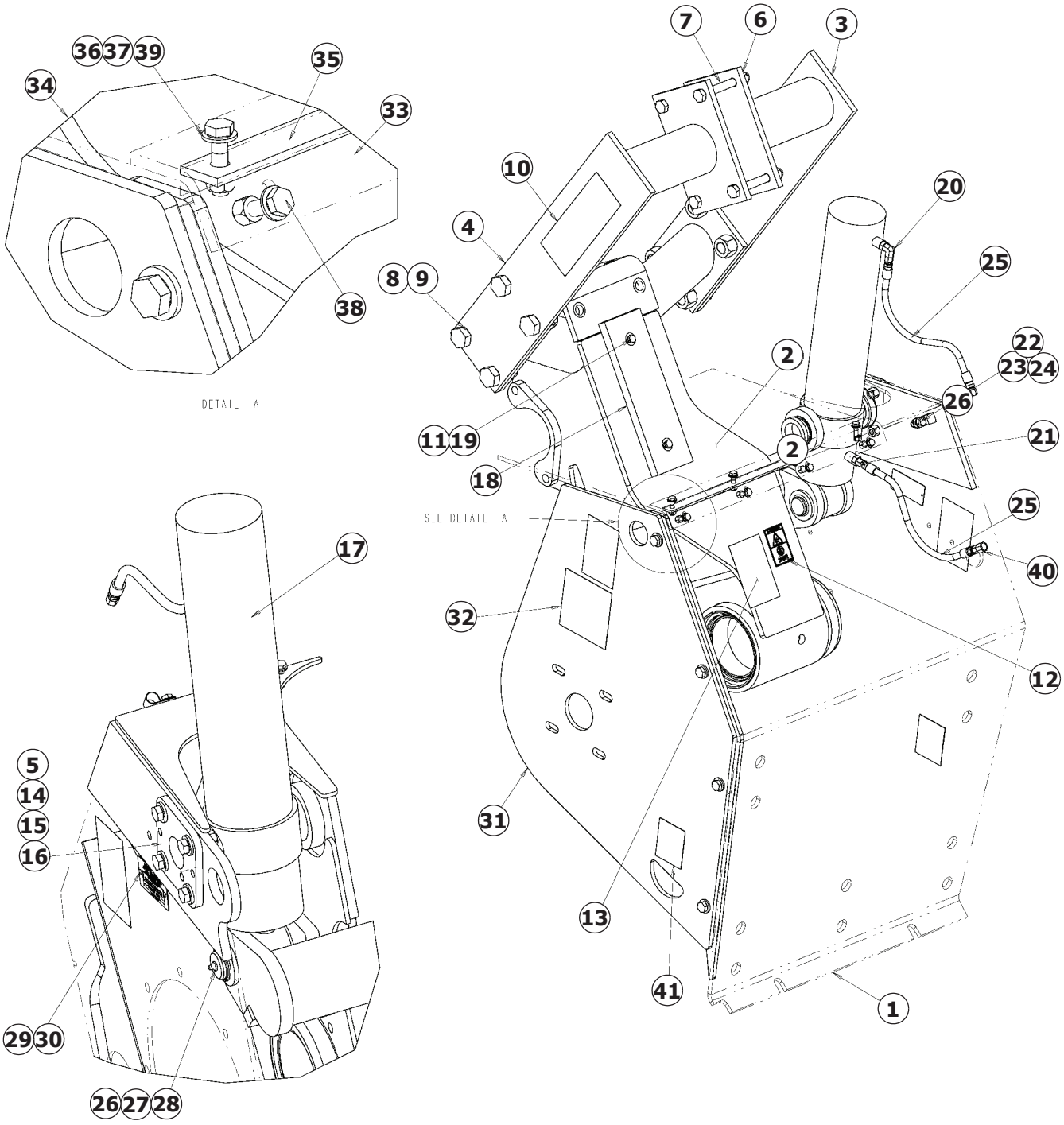
QUAD FRAME ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108207	ASSEMBLY - Quad Frame	1
1	AU106871	FRAME WELDMENT - Quad	1
2	H426833	WASHER - HT, 1 inch Bolt	9
3	426-1648	BOLT - Hex Hd, 1.00 x 3.00 GR5 ZND	6
4	232-41116	NUT - Prev Trq 1 inch GRC CAD Direct	3


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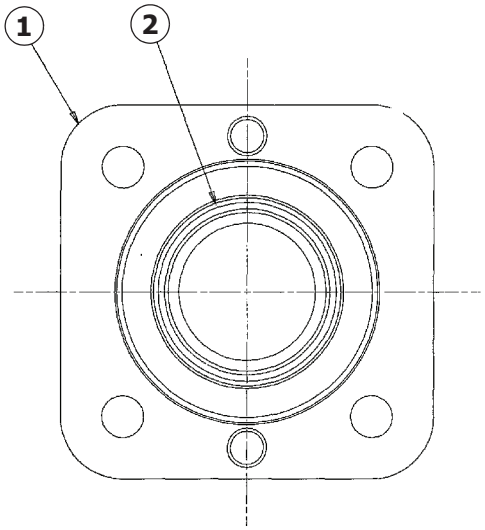
TRENCHER ATTACHMENT KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119088	ATTACHMENT KIT - Trencher	1
1	218-5223	TEE - Swivel Run 37FL 1.0 x 1.0 x 1.0	1
2	218-5294	TEE - Adj Run 37FL 5/8 x 3/4 x 5/8	1
3	218-756	CAP - 37FL 5/8 Tube	1
4	218-758	CAP - 37FL 1.0 Tube	1
5	218-980	ELBOW - 90 Swivel 37FL 3/8 Tube	2
6	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 ZND	4
7	232-41116	NUT - Prev Trq 1" GRC CAD Direct	7
8	426-1240	BOLT - Hex Hd 0.75 x 2.50 GR8 ZND	4
9	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	5
10	426-1648	BOLT - Hex Hd 1.00 x 3.00 GR8 ZND	2
11	114285A1	KIT - Split Flange, -16 Code 62	2
12	AU108263	HARNESS - Trencher Shift	1
13	H426817	WASHER - Flat	4
14	H426833	WASHER - H.T. (1" Bolt)	12
15	H437994	ASSEMBLY - Hose, Case Drain	1
16	H439280	ADAPTER - Hydraulic, Code 62 Flange to Male JIC	2
17	H439284	ASSEMBLY - Hose, High Pressure Loop	1
18	H439285	ASSEMBLY - Hose, Low Pressure Loop	1
19	L18331	TIE - Hose	3
20	R40745	STRAP - Cable Tie Black 15mm Dia, 3.00 W Nylon	2


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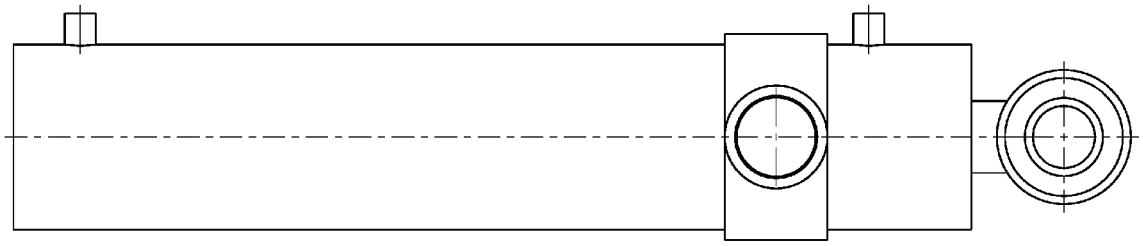
TRENCHER FRAME ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119096	ASSEMBLY - Trencher Frame	1
1	116465A1	WELDMENT - Trencher Frame	1
2	AU111542	WELDMENT - Boom Attach	1
3	H672872	WELDMENT - Crumber Mounting	1
4	H672871	WELDMENT - Crumber Mounting	1
5	123494A1	ASSEMBLY - Block with Bushing	1
6	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	4
7	426-1080	BOLT - Hex Hd 0.625 x 5.00 GR8 ZND	4
8	426-1632	BOLT - Hex Hd 1.000 x 2.00 GR8 ZND	8
9	232-41116	NUT - Prev Trq 1" GRC CAD Direct	8
10	419475A1	DECAL - Danger, Trencher Entanglement Hazard	2
11	224-2246	NUT - Square 3/8 - 16 UNC GR2 ZND	2
12	AU110578	DECAL - Warning, Call Before You Dig	1
13	419471A1	DECAL - Danger, Trencher Entanglement Hazard	3
14	H274894	WASHER - Flat, Special	12
15	426-824	BOLT - Hex Hd 0.500 x 1.50 GR8 ZND	8
16	232-4118	NUT - Prev Trq 1/2 GRC CAD Direct	8
17	AU118288	CYLINDER - Boom Lift (4 inch)	1
18	H434547	STRIP - Wear, Long	1
19	426-612	BOLT - Hex Hd 0.375 x 0.75 GR8 ZND	2
20	218-5105	ELBOW - 90 Adj 37FL 3/8 Tube	1
21	218-5057	CONNECTOR - Str Thd 3/8, 37FL - ORB 3/8	1
22	515-23159	CLAMP - Insul 15.9 mm 3/8 in Bolt ZND	1
23	426-616	BOLT - Hex Hd 0.375 x 1.00 GR8 ZND	1
24	231-5146	NUT - Serr Flg 3/8 - 16 UNC GR5 ZND	1
25	119666A1	ASSEMBLY - Hose	2
26	221253A1	PIN - Coupler Pivot	1
27	D25279	RING - Retainer	2
28	219-1	FITTING - Lube 1/8 - 27 Dryseal PTF	1
29	AU100572	PLATE - Serial Number	1
30	AU104193	FASTENER - Steel Tack	2
31	H674660	WELDMENT - Bearing Support Plate	1
32	AU115196	DECAL - Planetary Oil/Lube Level	1
33	H439324	ANGLE - Dirt Deflector Mounting	1
34	H439325	DEFLECTOR - Dirt	1
35	H439331	STRIP - Dirt Deflector	1
36	496-11034	WASHER - 0.344 x 0.688 x 0.065 in Hdn ZND	8
37	232-4115	NUT - Prev Trq 5/16 GRC CAD Direct	8
38	426-516	BOLT - Hex Hd 0.312 x 1.00 GR8 ZND	4
39	426-520	BOLT - Hex Hd 0.312 x 1.25 GR8 ZND	4
40	AU109671	ORIFICE - 0.047" Inline	1
41	139728A1	DECAL - Tie Down	2


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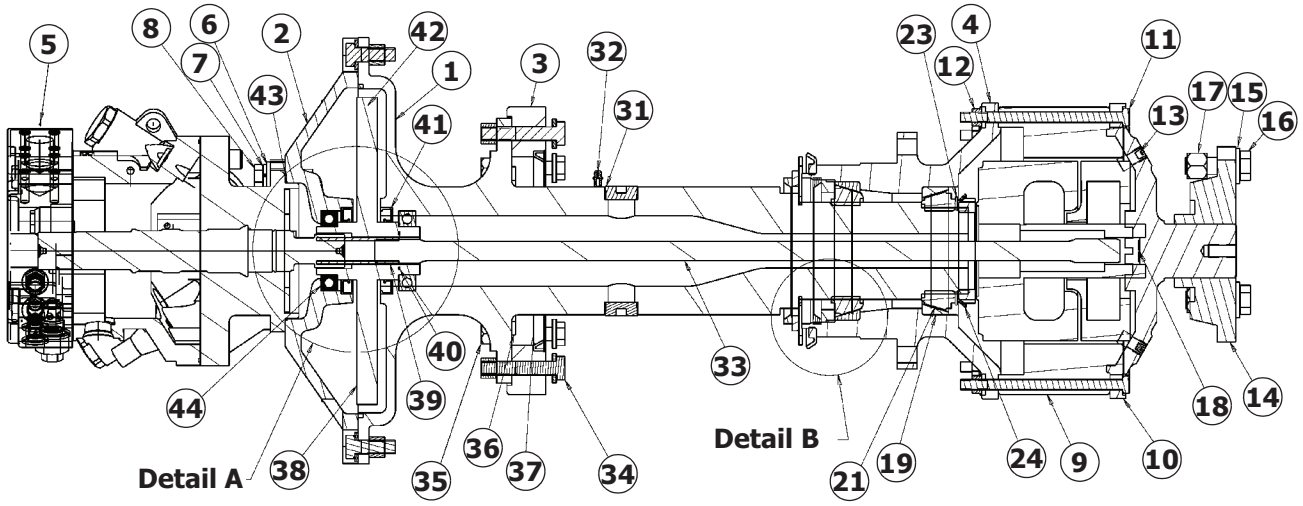
PIVOT ASSEMBLY

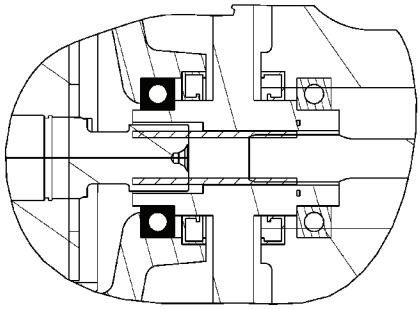
REF.	PART NO.	DESCRIPTION	REQ'D.
	123494A1	ASSEMBLY - Pivot, Block and Bushing	1
1	123495A1	BLOCK - Lift Cylinder Pivot	1
2	H436164	BUSHING - Lift Cylinder Pivot	1

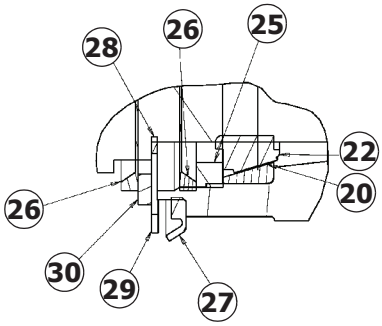


CYLINDER - BOOM LIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118288	CYLINDER - Boom Lift	1
1	AU124841	KIT - Seal, Gland	1
2	AU124842	KIT - Seal, Piston	1

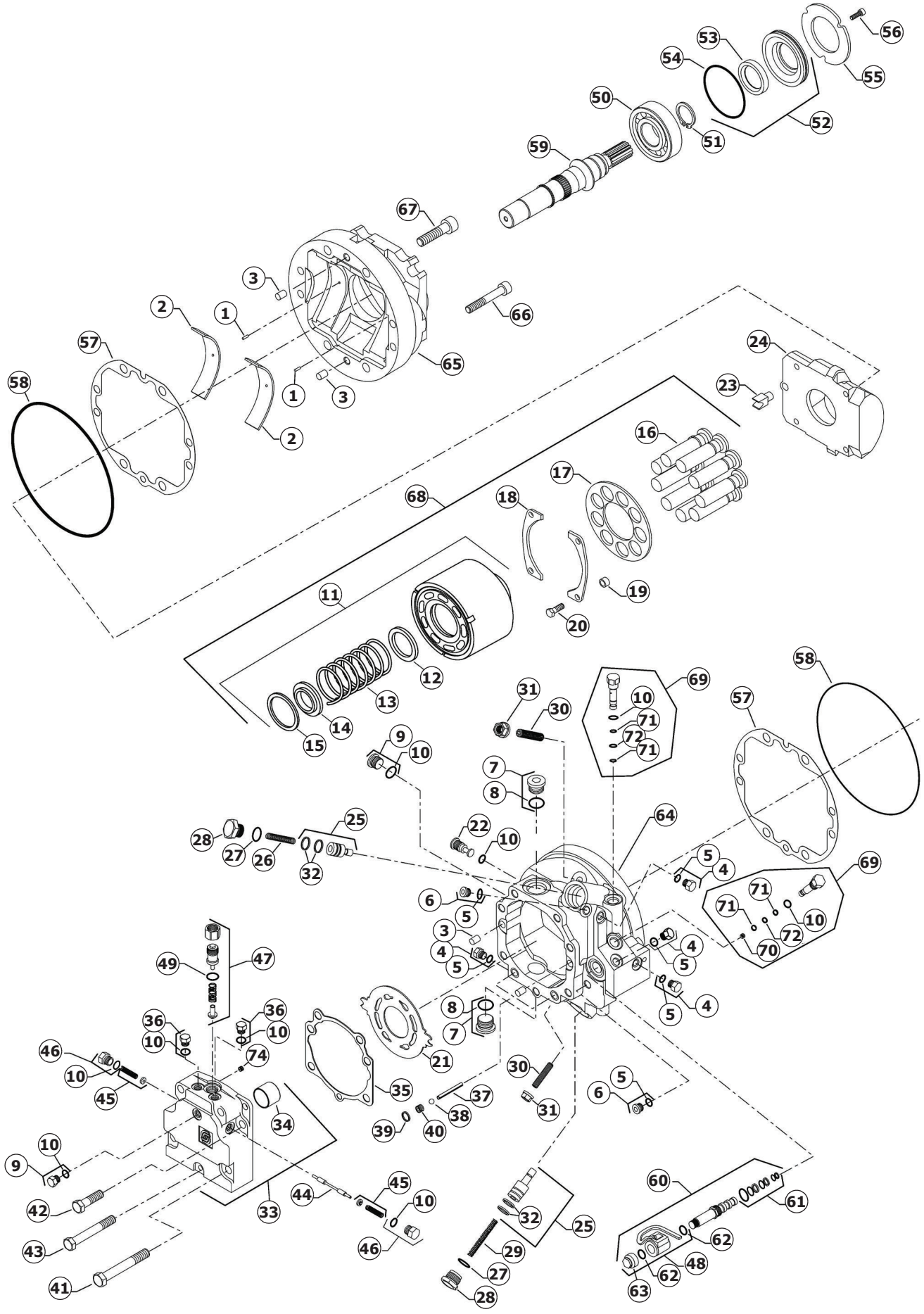

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Detail B
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Detail A


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Detail B

TRENCHER DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108261	TRENCHER DRIVE	1
1	H434813	MOUNT - Boom	1
2	H438702	COVER	1
3	H437580	SPACER	1
4	H437596	HUB	1
5	AU108257	ASSEMBLY - Motor, Hydraulic, Series 90	1
6	H274894	WASHER	19
7	492-11050	WASHER - Lock, 1/2	4
8	426-824	BOLT - 1/2 x 1-1/2	6
9	AU108170	ASSEMBLY - Gear, Trencher Drive Planetary	1
10	H428714	COVER - Planetary	1
11	426-696	BOLT - 3/8 x 6	12
12	231-5146	NUT - Flange, 3/8	12
13	221-675	PLUG - Magnetic, 1/2	2
14	H758292	BEARING - Support	1
15	H426809	WASHER	4
16	426-1032	BOLT - 5/8 x 2	4
17	232-41110	NUT - Lock, 5/8	4
18	100-2175	RING	1
19	A67327	BEARING - Cup, Small	1
20	A63171	BEARING - Cup, Large	1
21	A67328	BEARING - Cone, Small	1
22	A63185	BEARING - Cone, Large	1
23	L112617	WASHER - Special, Hardened	1
24	55-1015	WASHER - Lock	1
25	H428839	SEAL - Planetary	1
26	H437505	SEAL	2
27	H433852	SEAL - Hub	1
28	S64875	RING - Snap	1
29	103885A1	WASHER	1
30	H437582	WASHER	1
31	41-1020	PLUG - Cup, 1-1/4	2
32	219-86	FITTING - Grease, 1/8 PT x 5/8	1
33	H434946	SHAFT - Trencher Drive	1
34	426-844	BOLT - 1/2 x 2-3/4; 8	7
35	232-4118	NUT - Lock, 1/2	15
36	H437581	WASHER	1
37	H437506	SEAL	1
38	H674887	FLYWHEEL	1
39	H435520	ADAPTER - Coupling	1
40	100-21131	RING - Snap	1
41	H438061	SEAL	2
42	426-832	BOLT - Hex Hd 1/2 x 2 GR5 ZND	6
43	238-5049	O-RING - 5 ID x 1/16	1
44	G13075	BEARING - Ball	2
45	331-70	FLUID - 1/2 Pt, SAE 90 EP XMSM Oil	2

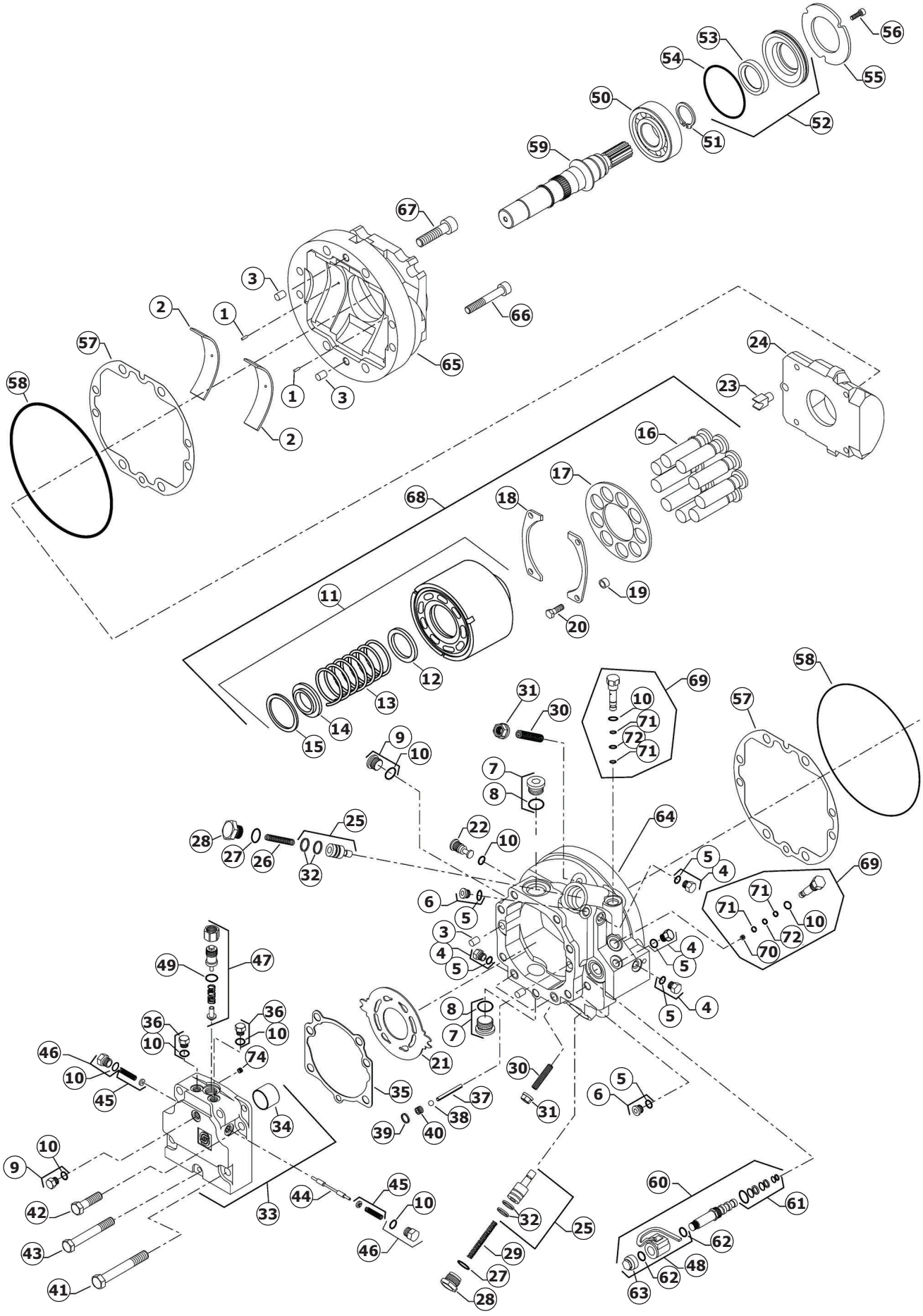

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AU108257

MOTOR - TRENCHER DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108257	MOTOR - Trencher Drive	1
1	5000621	PIN - Grooved	2
2	8100684	BEARING - Cradle	2
3	9004800-3708	PIN	4
4	9005100-4400	PLUG	4
5	9004201-2500	O-RING	6
6	9005110-4400	PLUG	2
7	9005110-9000	PLUG	2
8	9004201-7500	O-RING	2
9	9005110-5600	PLUG	2
10	9004201-3700	O-RING	12
11	11011778	ASSEMBLY - Cylinder Block	1
12	8100103	SEAT - Spring	1
13	11014658	SPRING - Cylinder Block	1
14	8100127	RETAINER - Spring	1
15	9006275-0027	RING - Retainer	1
16	708230	PISTON - Welded	9
17	8100007	GUIDE - Slipper	1
18	8100294	BEARING - Slipper Guide	2
19	8100777	SPACER	4
20	9007276-0114	SCREW	8
21	323766	PLATE - Motor Valve	1
22	8800758	PIN - Hold Down	1
23	8100406	ARM - Hold Down	1
24	8100928	SWASHPLATE - Variable	1
25	8100441	ASSEMBLY - Servo Piston	2
26	8800619	SPRING	1
27	038281	O-RING	2
28	9005475-0099	PLUG	2
29	8100435	SPRING	1
30	330415	SCREW - Set	2
31	9003509-0012	NUT - Seal	4
32	8700089	SEAL - Piston Ring	4
33	8100737	CAP - End, Twin Ports	1
34	8700013	BEARING - Journal	1
35	8100430	GASKET - End Cap	2
36	9005100-5600	PLUG	2
37	9004700-1928	PIN - Slotted	2
38	9001214-2800	BALL	2
39	8800865	RING - Crush	4
40	8100392	PLUG - Orificed Pipe	2

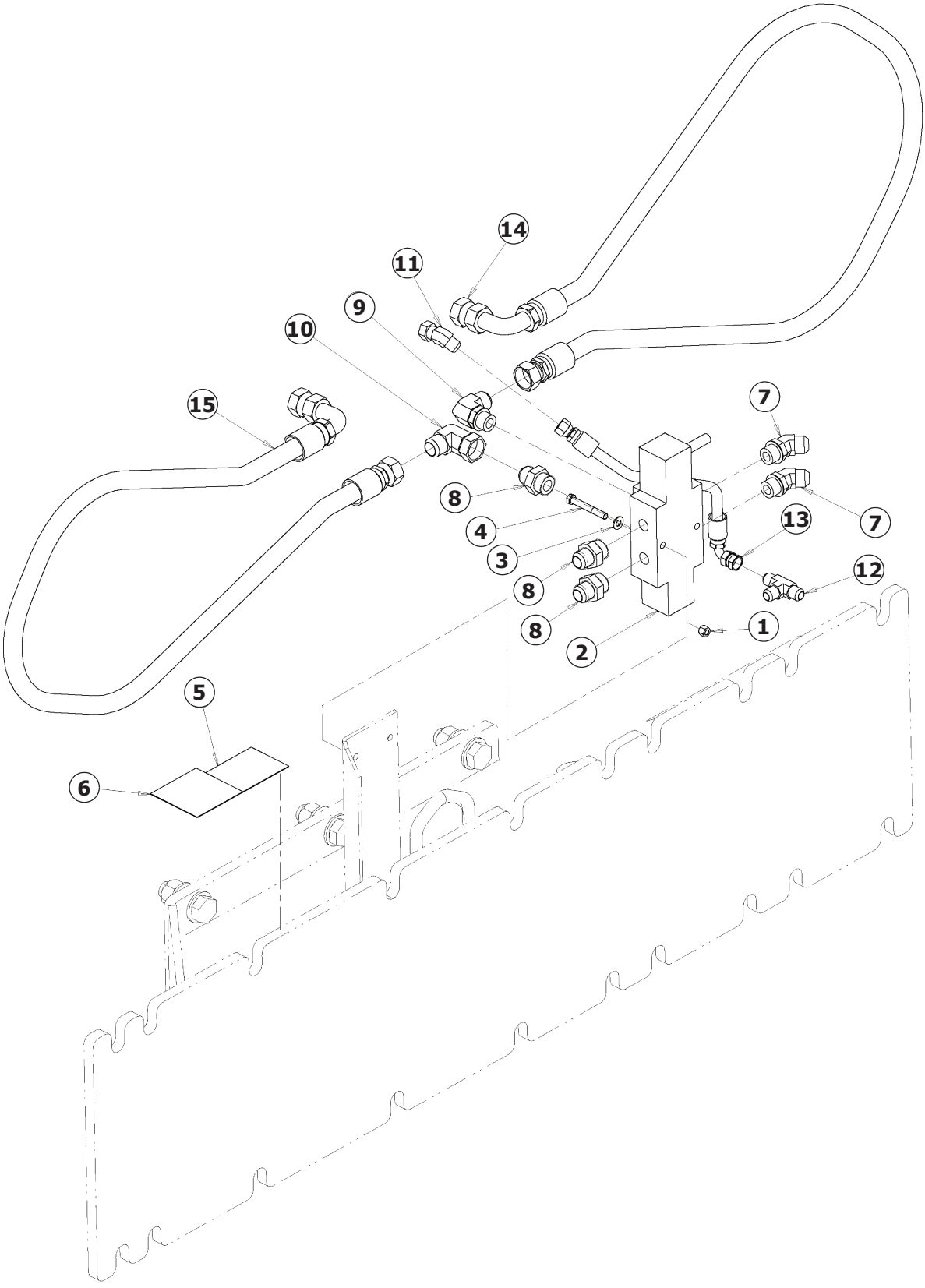
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AU108257

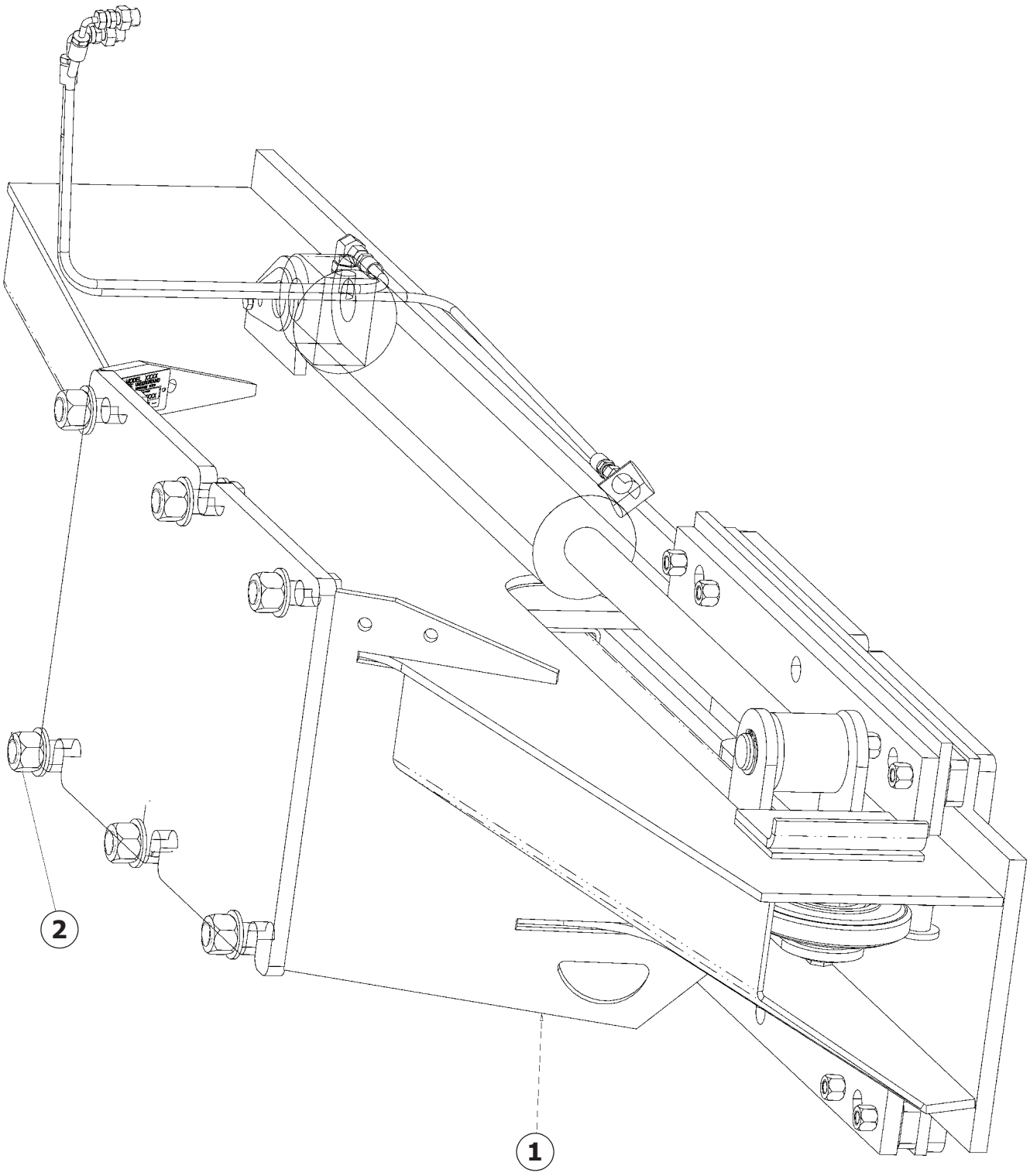
MOTOR - TRENCHER DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108257	MOTOR - Trencher Drive	1
41	9007210-1216	SCREW	4
42	9007210-1209	SCREW	2
43	9007210-1016	SCREW	1
44	8800550	VALVE - Loop Flushing	1
45	513596	ASSEMBLY - Spring Guide	2
46	518016	ASSEMBLY - Plug	2
47	8510012	KIT - Charge Relief Cartridge Valve	1
48	8510212	KIT - Coil, 12V Packard Connector	1
49	9004201-6200	O-RING	1
50	5000505	BEARING - Roller	1
51	9006300-0156	RING - Retaining	1
52	519671	ASSEMBLY - Shaft Seal	1
53	519666	SEAL - Lip	2
54	9004104-1530	O-RING	2
55	516767	PLATE - Retainer	1
56	9007314-0605	SCREW	3
57	8100423	GASKET - Front Cover	2
58	9004104-1710	O-RING	2
59	11014252	SHAFT - 14 Tooth Spline	1
60	8510216	KIT - Solenoid Valve, 12V Packard Connector	1
61	8510206	KIT - Seal, Solenoid Valve	1
62	5000512	O-RING	2
63	5000511	NUT	1
64	8510059	ASSEMBLY - Variable Motor Housing	1
65	8100793	COVER - Front	1
66	9007314-1014	SCREW	4
67	9007314-1211	SCREW	4
68	8510365	KIT - Cylinder Block	1
69	8800601-0007	PLUG - Orifice	2
70	8800532	SCREEN - Filter	1
71	9006150-0100	RING - Back Up	8
72	9004105-0100	O-RING	4
73	38281	O-RING	2
74	NSS	SCREW - Set	1
75	81040S30	KIT - Overhaul Seal	1


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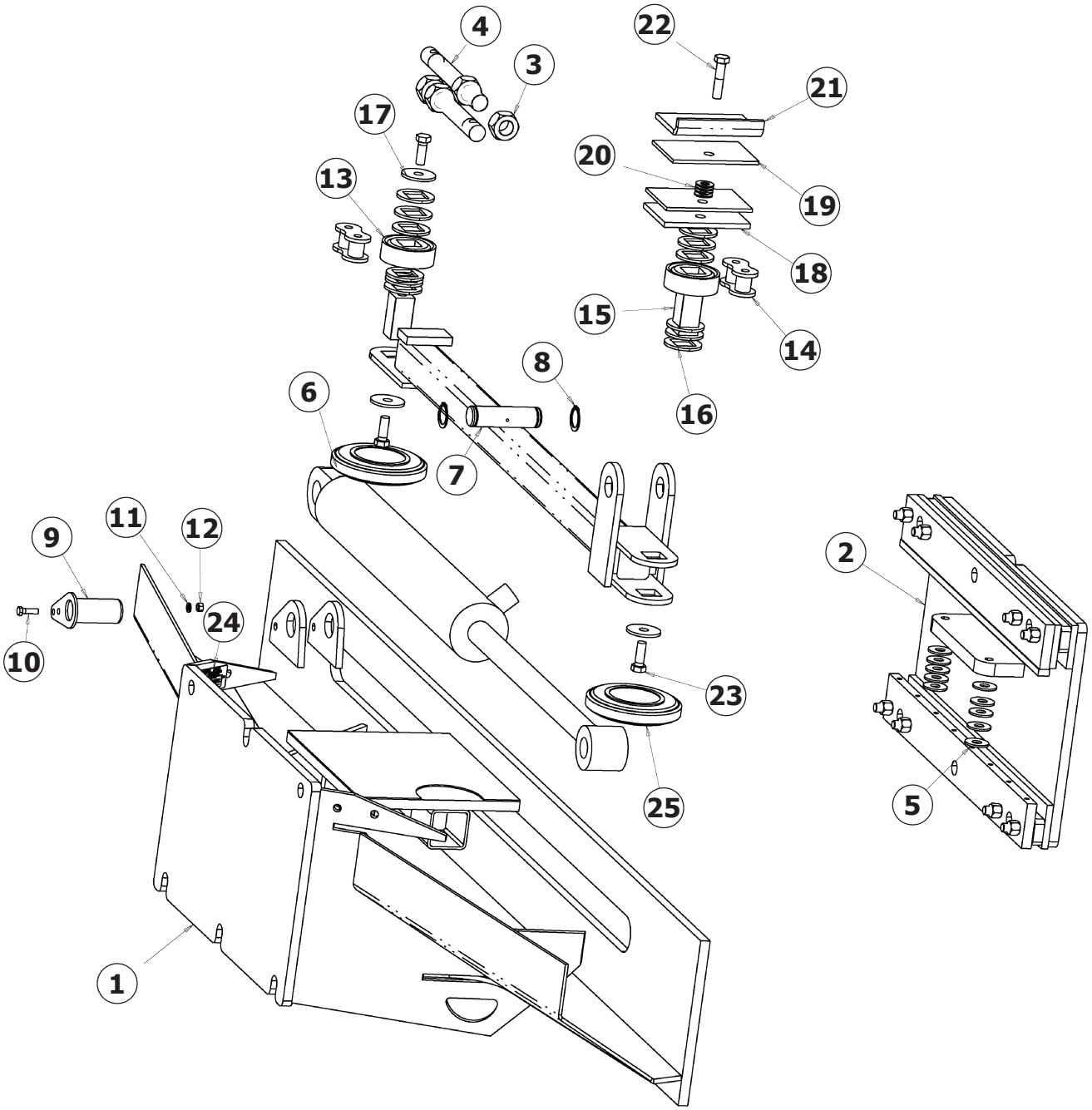
QUAD VALVE KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108280	ASSEMBLY - Quad Valve Kit	1
1	232-4116	NUT - Prev Trq 3/8 GRC CAD Direct	2
2	104946A1	VALVE - Selector	1
3	495-11041	WASHER - .406 x 0.812 x .065 in CST ZND	2
4	426-644	BOLT - Hex Hd .375 x 2.75 GR8 ZND	2
5	429173A1	DECAL - Quad Selector Valve	1
6	179080A1	DECAL - Quad Selector	1
7	218-5138	ELBOW - 45 Adj 37FL 3/4 Tube	2
8	218-5069	CONNECTOR - Str Thd 1.0 37FL-ORB 1.0	3
9	218-5124	ELBOW - 90 Adj 37FL 1.0 x 3/4 Tube	1
10	218-5234	ELBOW - 90 Swivel 37FL 1.0 Tube	1
11	218-5174	ELBOW - 45 Swivel 37FL 5/8 Tube	1
12	218-595	TEE - Union 37FL 5/8 Tube	1
13	H439398	HOSE - 14 Inches	1
14	107209A1	HOSE - 58 Inches	1
15	107210A1	HOSE - 43 Inches	1


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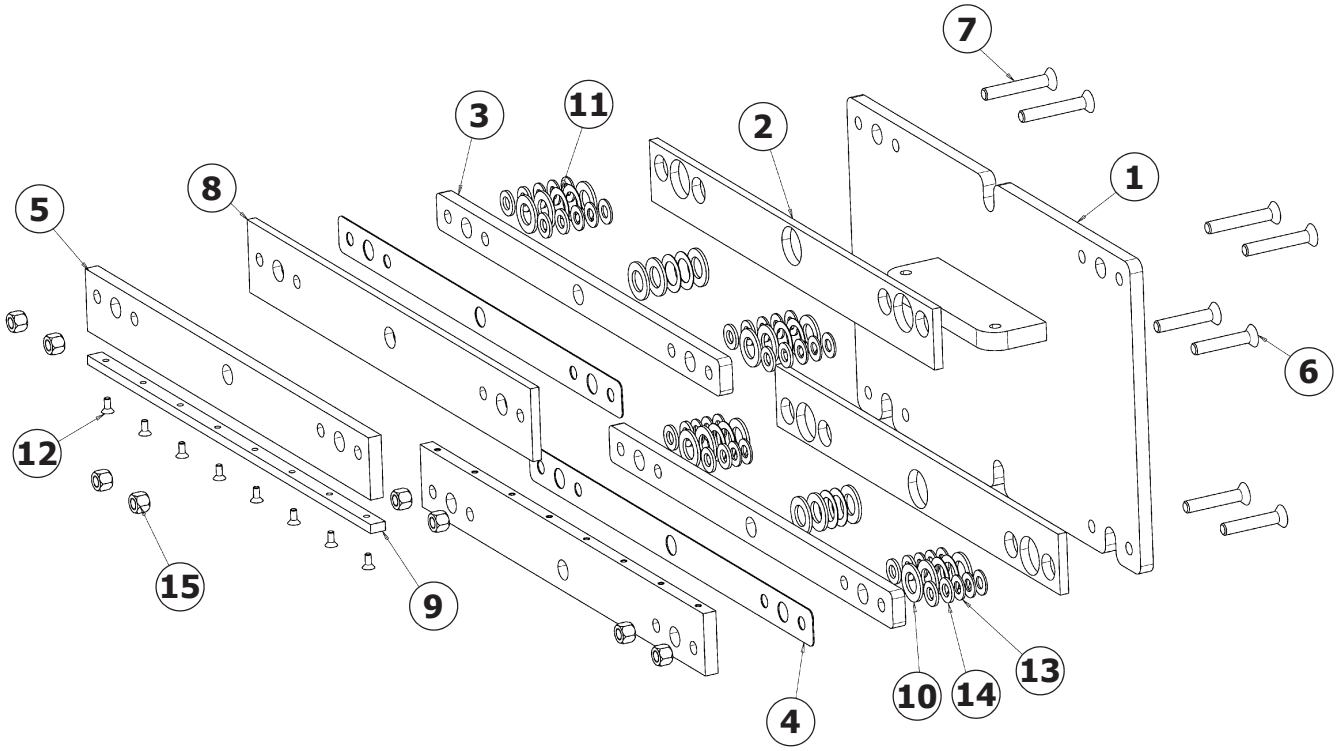
KIT, SIDESHIFT ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118928	KIT - Sideshift Assembly with Attachment	1
1	AU101009	KIT - Sideshift Assembly	1
2	AU122316	KIT - Attachment, Sliding Offset	1


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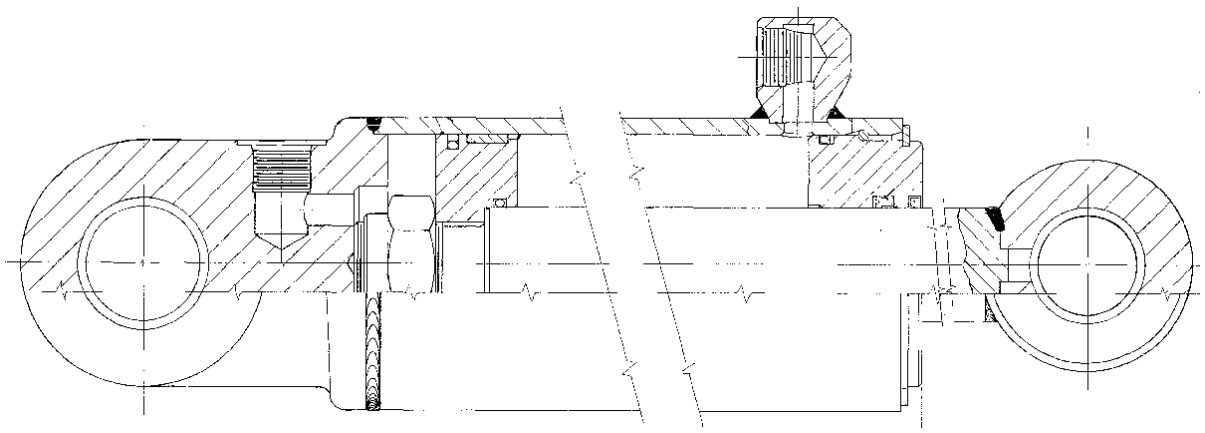
KIT, SLIDING OFFSET

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU101009	Kit, Side Shift Assembly	1
1	AU100936	Weldment, Offset Slider	1
2	AU100934	Assembly, Slide	1
3	425-1020	Nut, Hex - 1.250 x 7 GR5 ZND	4
4	AU101012	Rod, Threaded	2
5	495-21069	Washer - .688 x 1.750 x .134 in CST ZND	10
6	H672568	Cylinder, Base	1
7	221253A1	Pin, Coupler Pivot	1
8	D25279	Ring, Retainer	2
9	H672354	Pin, Boom Cylinder	1
10	426-620	Bolt, Hex Hd - .375 x 1.25 GR5 ZND	1
11	492-11038	Washer, Spring Lock Reg - .375 in ZND	1
12	129-770	Nut, Hex - .375 x 16 GR5 BZN	1
13	H747444	Bearing	2
14	AU100969	Chain, #160, 29 Pitches	2
15	AU100699	Shaft, End Roller Mount	2
16	AU100700	Spacer , Flat, Sq Hole	12
17	496-81025	Washer - .656 x 2.500 x .188 in HDN ZND	3
18	AU101257	Plate, Slide	1
19	AU101258	Sheet, Wear Strip	2
20	495-11066	Washer - .656 x 1.312 x .095 in CST ZND	4
21	AU101350	Plate, Slide, Upper	1
22	426-1044	Bolt, Hex Hd - .625 x 2.75 GR8 ZND	1
23	426-1028	Bolt, Hex Hd - .625 x 1.75 GR8 ZND	3
24	AU100572	Plate, Serial Number	1
25	AU101805	Wheel, Boom End Idler	2


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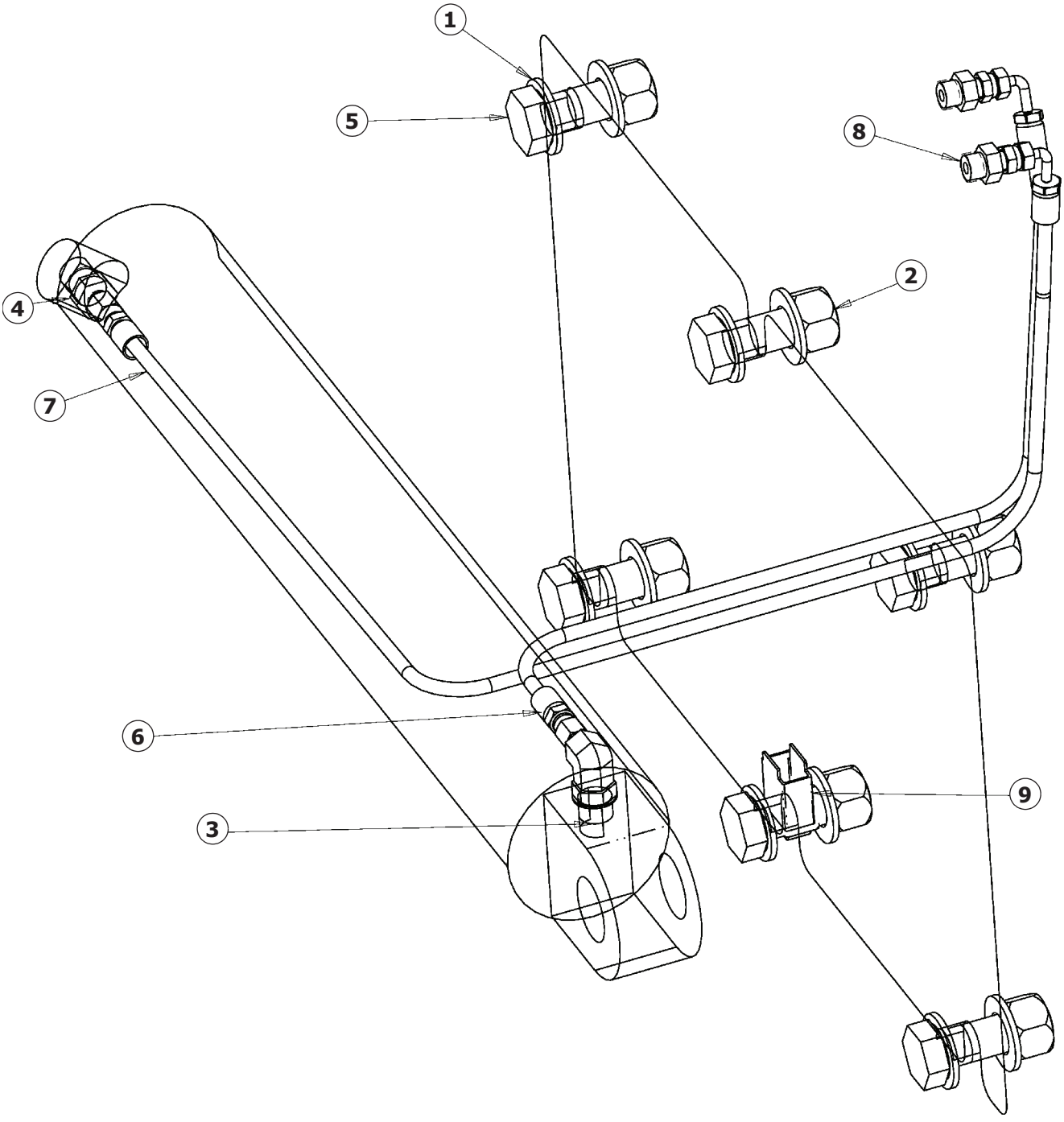
ASSEMBLY, SLIDE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU100934	ASSEMBLY - Slide	1
1	AU100929	WELDMENT - Slide Plate	1
2	AU101265	STRIP - Front Anti-Friction	2
3	AU100931	PLATE - Spacer	2
4	AU100932	PLATE - Shim	2
5	AU100933	PLATE - Hook	2
6	05-BB5/8X31/2NC	SCREW - 5/8 - 11 x 4-1/4	4
7	05-BB5/8X4NC	SCREW - 5/8 - 11 x 3-3/4	4
8	AU116860	STRIP - Front Anti-Friction	1
9	AU101266	STRIP - Lower Anti-Friction	1
10	H426833	WASHER - HT (1" Bolt)	18
11	H257915	SHIM - Pivot	12
12	361-43112	SCREW - Hex Soc Fl Hd 5/16 UNRC x .75 PHC	8
13	495-11066	WASHER - .656 x 1.312 x .095 in CST ZND	24
14	H426809	WASHER - HT (5/8" Bolt)	16
15	230-42110	NUT - Prev Trq 5/8 GRA CAD NonDirect	8



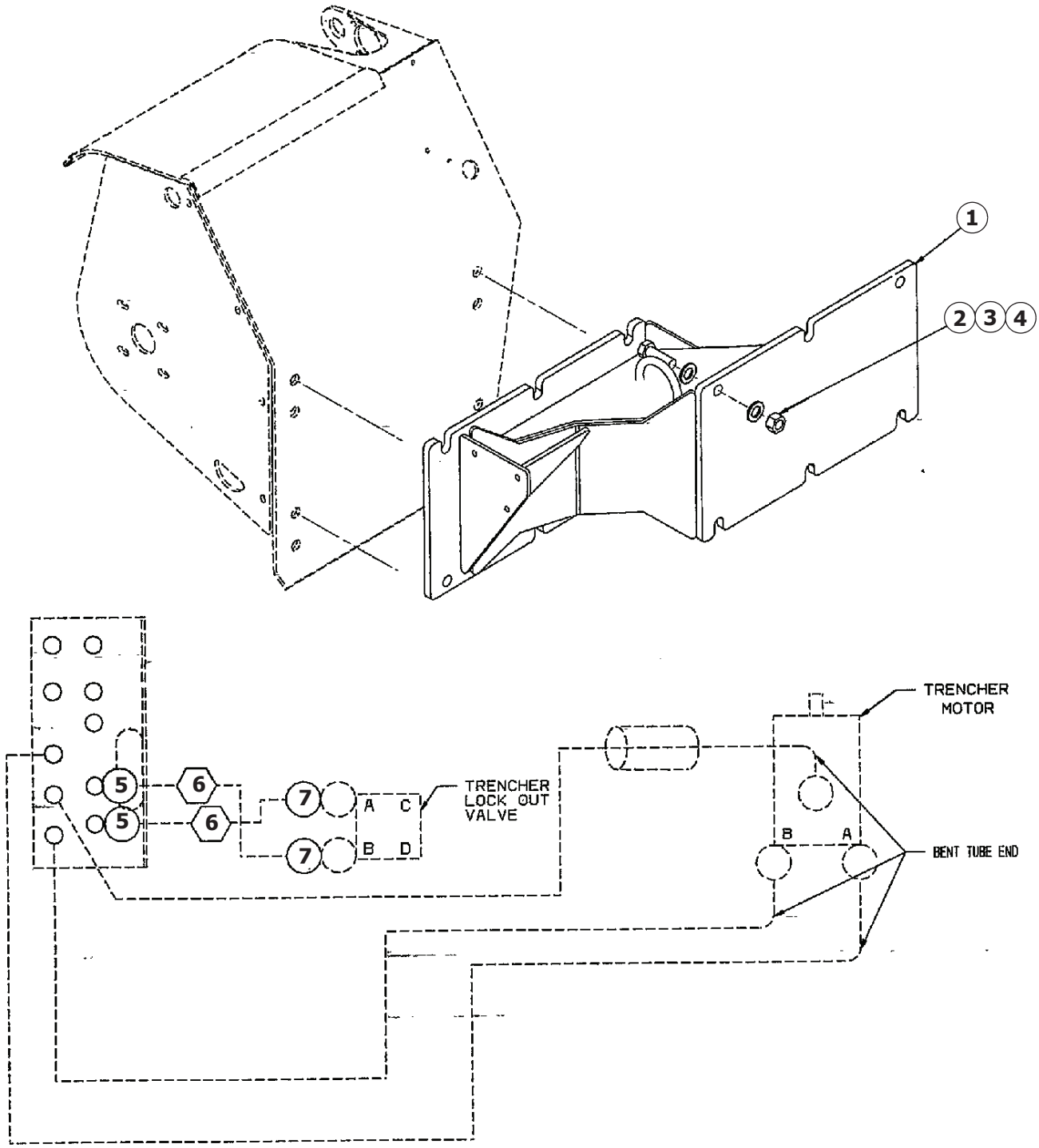
CYLINDER, SIDESHIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672568	ASSEMBLY - Sideshift Cylinder	1
1	N13915	PISTON	1
2	N13916	BEARING	1
3	N13917	ASSEMBLY - Barrel Tube	1
4	N13918	ASSEMBLY - Piston Rod	1
5	131-190	LOCKNUT - 1-1/4 - 12 UNF GRC	1
6	N13919	KIT - Seal (contains items 7 - 11)	1
7	T53351	RING - Snap	1
8	A27348S	O-RING	1
9	A41165	RING - Back-Up	1
10	A41171	FITTING	1
11	H221440	SEAL	1


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ATTACHMENT KIT, SLIDING OFFSET[28]

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122316	KIT - Attachment, Sliding Offset	1
1	H426833	WASHER - 1" Bolt, HT	12
2	232-41116	NUT - Prev Trq 1" GRC CAD DIRECT	6
3	218-5281	ELBOW - 90 Adj 37FL, 3/8 x 5/8 Tube	1
4	218-5354	CONNECTOR - Str Thd 3/8, 37FL ORB 5/8	1
5	426-1648	BOLT - Hex Hd 1.0 x 3.0 GR8 ZND	6
6	H438000	HOSE ASSEMBLY - Hydraulic	1
7	H438089	HOSE ASSEMBLY - Hydraulic	1
8	218-5058	CONNECTOR - Str Thd 3/8, 37FL ORB 1/2	2
9	AU113664	SWITCH - Rocker, (ON)-OFF-(ON), 2-Pole	1


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ATTACHMENT KIT - OFFSET TRENCHER

REF.	PART NO.	DESCRIPTION	REQ'D.
	H939281	ATTACHMENT KIT - Offset Trencher	1
1	H674014	WELDMENT - Offset Trencher	1
2	426-1648	BOLT - 1 x 3 GRD 5	6
3	232-41116	NUT - 1" TL GRD C	6
4	H426833	WASHER - 1" Flat HT	12
5	218-5172	ELBOW - 45 Deg, 6FJ x 6MJ	2
6	H438959	HOSE - Bulkhead to Lockout Valve	2
7	218-980	ELBOW - 90 Deg, Boom Lift at Lockout Valve	2
8	8-80700	INSTRUCTIONS - Installation	1

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KIT, STANDARD AUGERS

REF.	PART NO.	DESCRIPTION	REQ'D.
	H939136	KIT - Standard Augers	1
1	H672056	AUGER - RH	1
2	H672057	AUGER - LH	1

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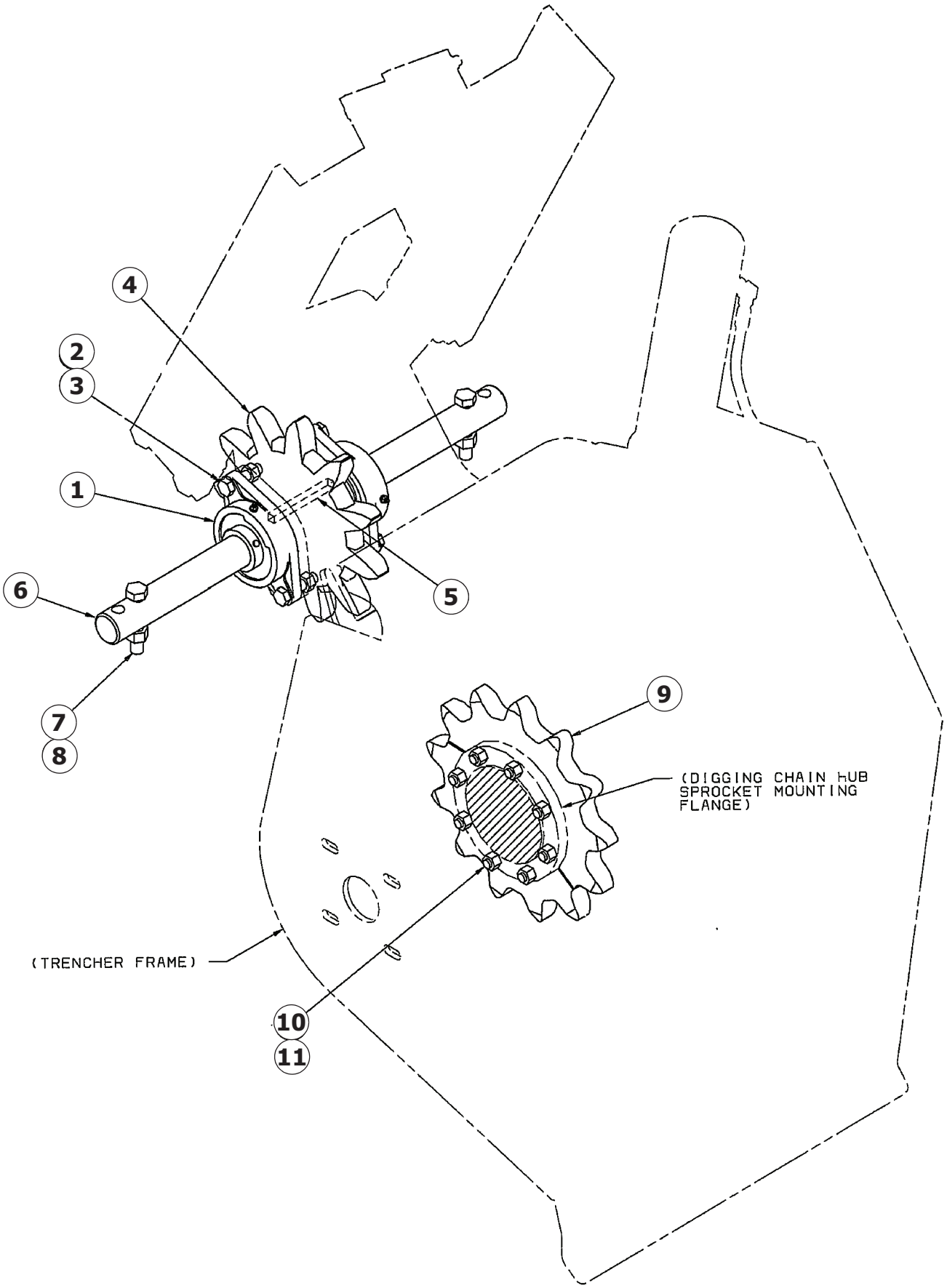
KIT, SHORT AUGERS

REF.	PART NO.	DESCRIPTION	REQ'D.
	H939139	KIT - Short Augers	1
1	H673128	AUGER - RH, Short	1
2	H673129	AUGER - LH, Short	1

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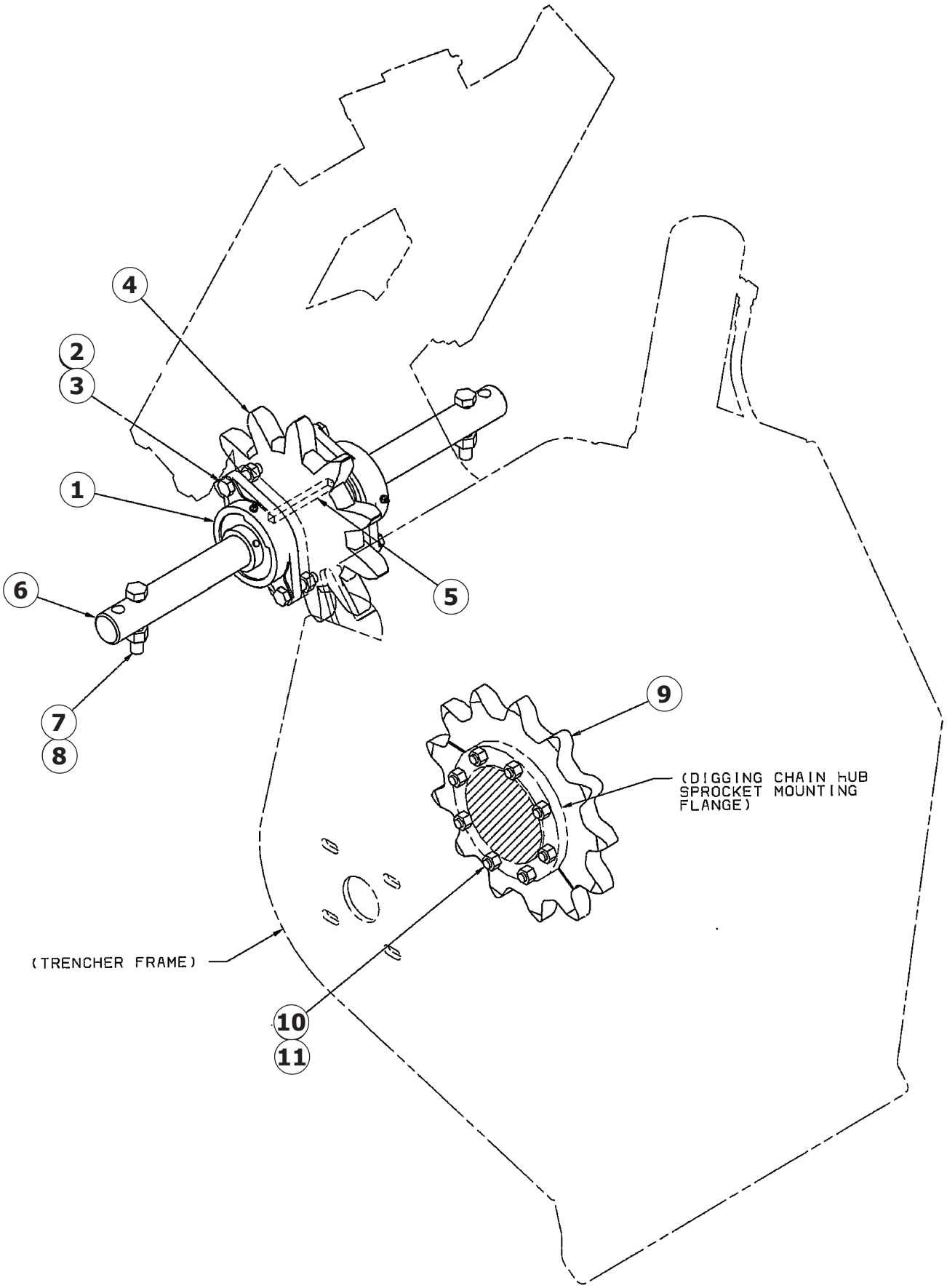
KIT, AUGERS EXTENSION

REF.	PART NO.	DESCRIPTION	REQ'D.
	H939065	KIT - Augers Extension	1
1	H672395	AUGER - LH, Extension	1
2	H672396	AUGER - RH, Extension	1
3	113-2713	BOLT - 3/4 x 4 GRD 8	
4	232-41112	NUT - Hex, 3/4 GRD C	


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(DIGGING CHAIN HUB SPROCKET MOUNTING FLANGE)
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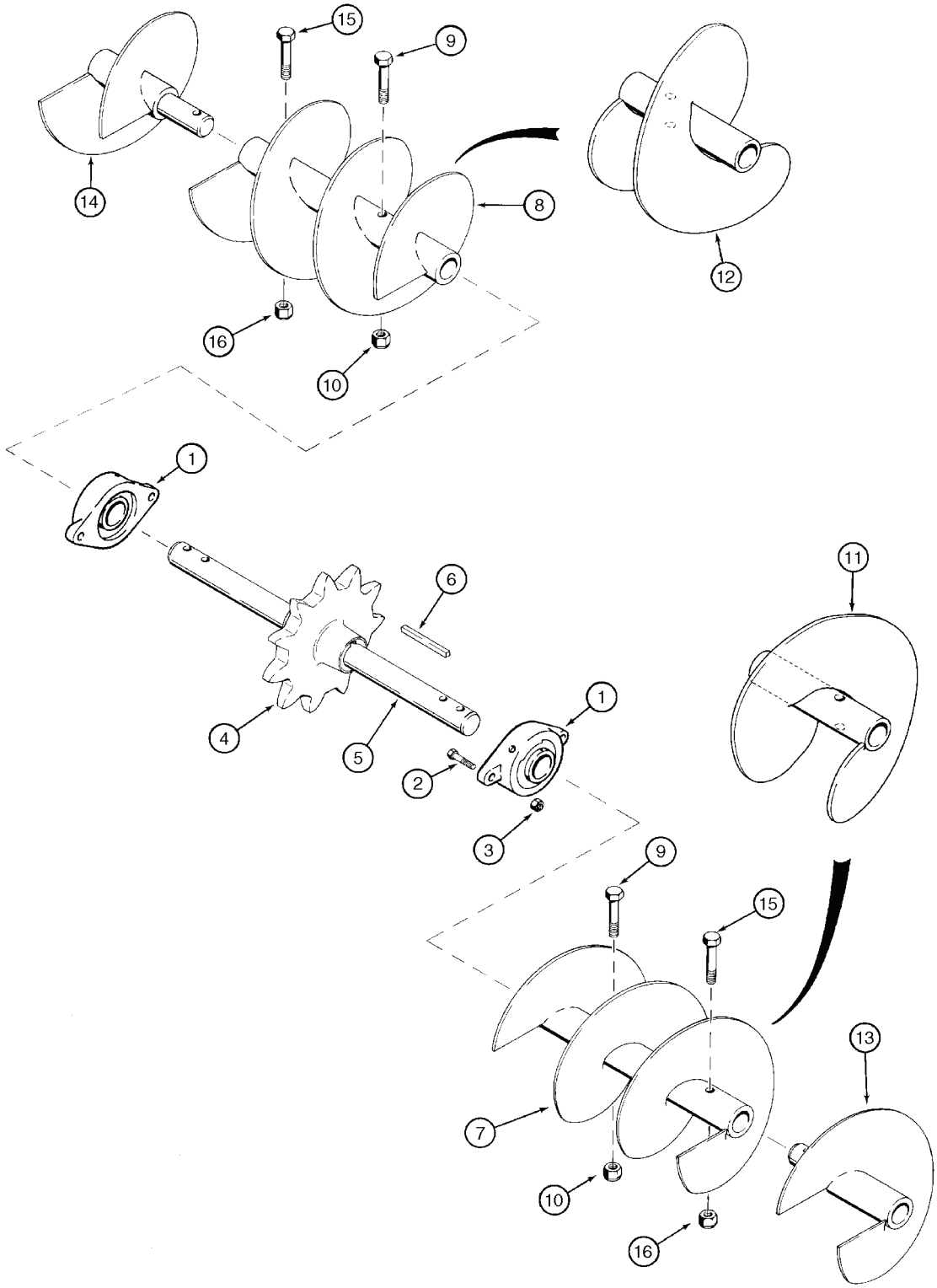
SPLIT SPROCKET AUGER DRIVE - 311 CHAIN

REF.	PART NO.	DESCRIPTION	REQ'D.
	194095A1	DRIVE - Auger, Split Sprocket, 311 Chain	1
1	H759120	BEARING - Roller	2
2	426-1040	BOLT - 5/8 x 2-1/2	4
3	232-41110	NUT - Lock, 5/8	4
4	186252A1	SPROCKET - Auger Drive, 311 Chain	1
5	H433528	KEY	1
6	H434597	SHAFT	1
7	426-1264	BOLT - 3/4 x 4	2
8	232-41112	NUT - Lock, 3/4	2
9	186255A1	SPROCKET - Split, 311 Chain	1
10	428-944	BOLT - 9/16 x 2-3/4 NF	8
11	232-4619	NUT - Lock, 9/16	8


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(DIGGING CHAIN HUB SPROCKET MOUNTING FLANGE)
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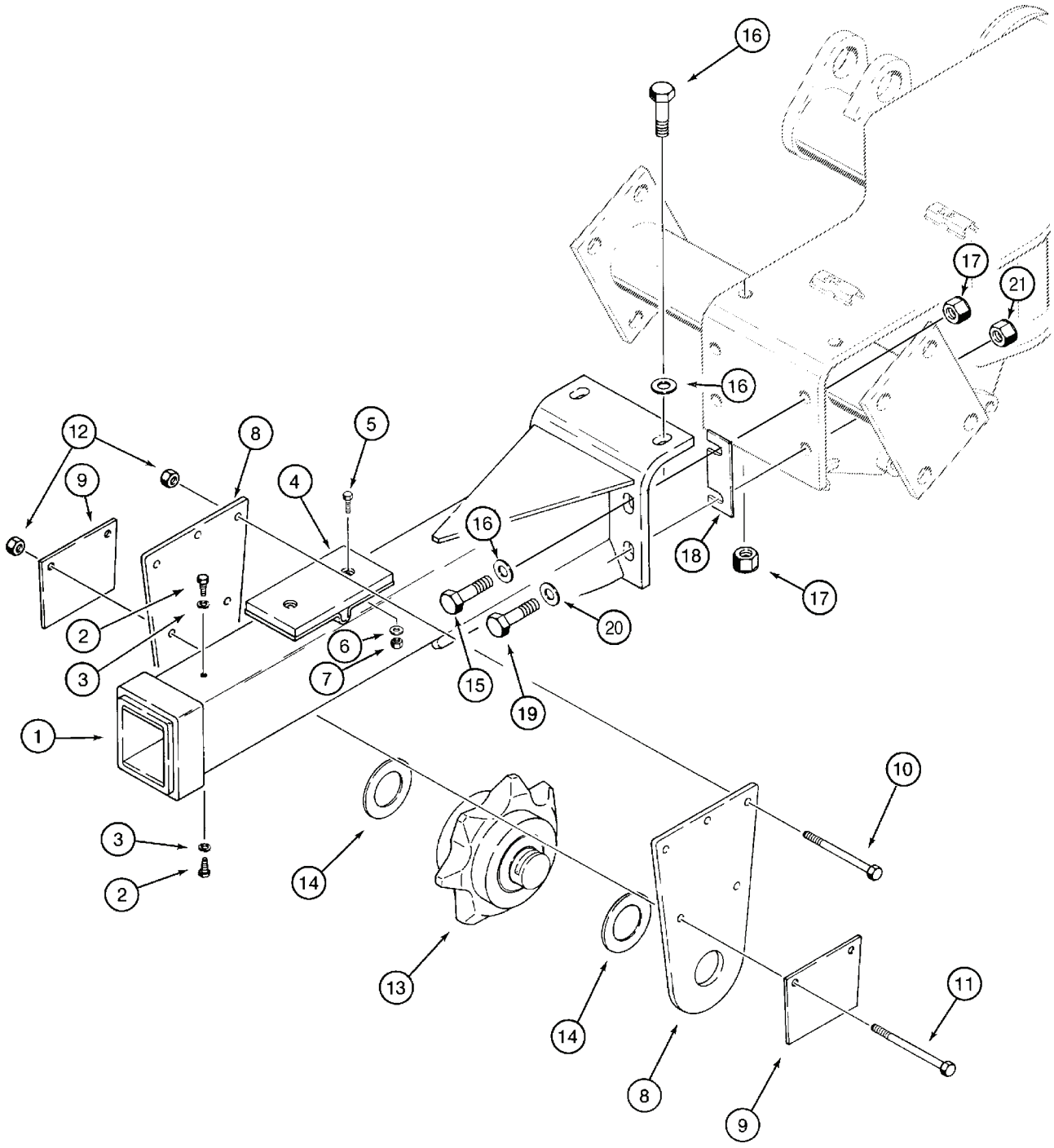
SPLIT SPROCKET AUGER DRIVE - 408 CHAIN

REF.	PART NO.	DESCRIPTION	REQ'D.
	194098A1	DRIVE - Auger, Split Sprocket, 408 Chain	1
1	H759120	BEARING - Roller	2
2	426-1040	BOLT - 5/8 x 2-1/2	4
3	232-41110	NUT - Lock, 5/8	4
4	186277A1	SPROCKET - Auger Drive, 408 Chain	1
5	H433528	KEY	1
6	H434597	SHAFT	1
7	426-1264	BOLT - 3/4 x 4	2
8	232-41112	NUT - Lock, 3/4	2
9	186276A1	SPROCKET - Split, 408 Chain	1
10	428-948	BOLT - 9/16 x 3	8
11	232-4619	NUT - Lock, 9/16	8


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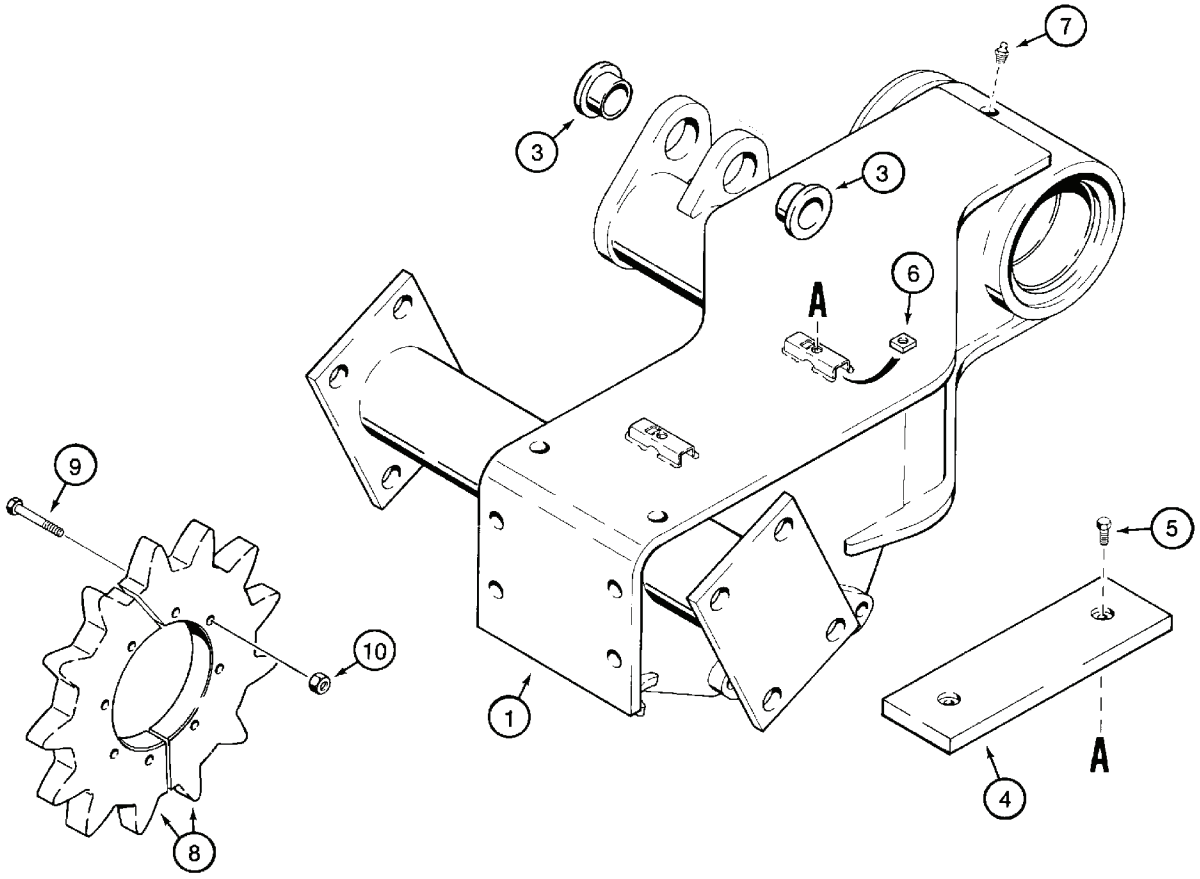
MOUNTING - AUGER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H759120	BEARING - Roller (Includes item 1A)	2
1A	219-1	FITTING - Grease - 1/8 PT x 21/32 (Not illustrated)	1
2	426-1040	BOLT - 5/8 x 2-1/2	4
3	232-41110	NUT - Lock, 5/8	4
4	186252A1	SPROCKET - 311 Chain	1
4	186277A1	SPROCKET - 408 Chain	1
5	H434597	SHAFT	1
6	H433528	KEY	1
7	H672056	AUGER - Right Hand, Standard (If used)	1
8	H672057	AUGER - Left Hand, Standard (If used)	1
9	426-1264	BOLT - 3/4 x 4	2
10	232-41112	NUT - Lock, 3/4	2
11	H673128	AUGER - Right Hand, Short (If used)	1
12	H673129	AUGER - Left Hand, Short(If used)	1
13	H672396	AUGER - Right Hand, Extension	1
14	H672395	AUGER - Left Hand, Extension	1
15	428-948	BOLT - 9/16 x 3	2
16	232-4619	NUT - Lock, 9/16	2


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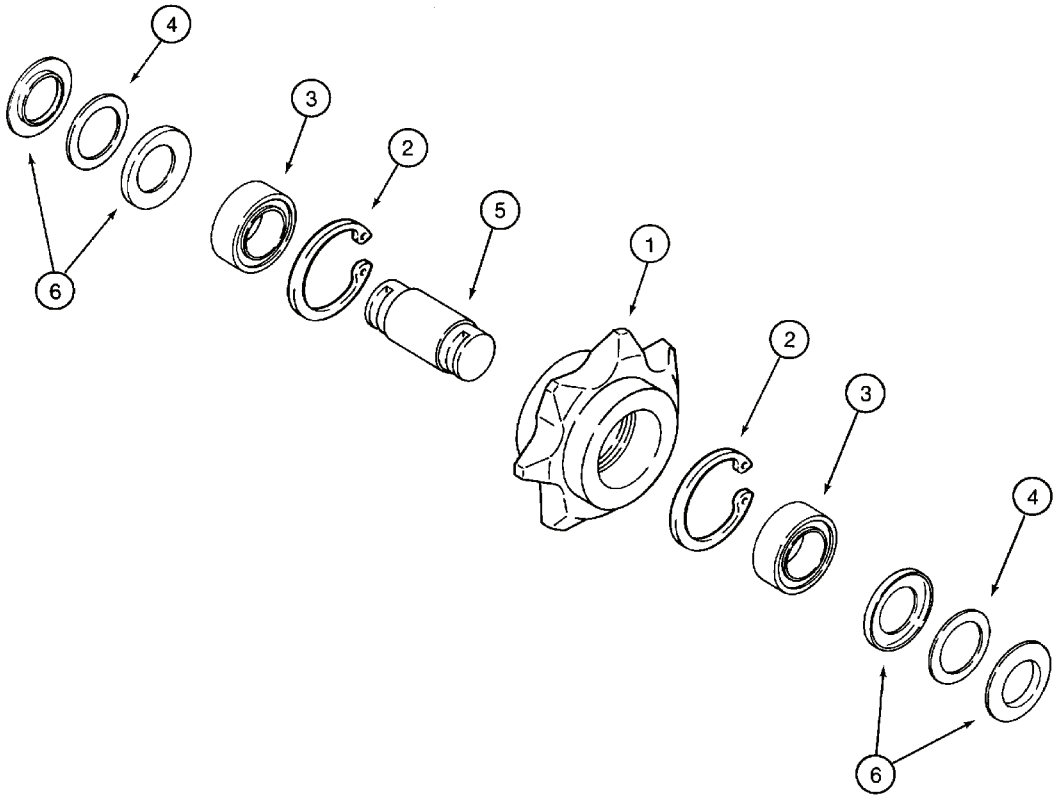
BOOM, SPROCKET

REF.	PART NO.	DESCRIPTION	REQ'D.
	252097A1	ASSEMBLY - Sprocket Boom, 4 Ft	1
	252098A1	ASSEMBLY - Sprocket Boom, 5 Ft	1
	252099A1	ASSEMBLY - Sprocket Boom, 6 Ft	1
	252100A1	ASSEMBLY - Sprocket Boom, 7 Ft	1
1	251021A1	BOOM - 4 Ft (Uses 1 Idler Sprocket) (If used)	1
1	251022A1	BOOM - 5 Ft (Uses 1 Idler Sprocket) (If used)	1
1	251023A1	BOOM - 6 Ft (Uses 2 Idler Sprockets) (If used)	1
1	251024A1	BOOM - 7 Ft (Uses 2 Idler Sprockets) (If used)	1
2	276-24812	SCREW - Self-Tapping, 5/16 ST x 3/4	2
3	492-11031	WASHER - Lock, 5/16	2
4	179205A1	PAD - Wear	1-2
5	426-1240	BOLT - 3/4 x 2-1/2	2-4
6	H426817	WASHER - Hardened, 3/8	2-4
7	231-51412	NUT - Lock, 3/8	2-4
8	H433947	PLATE - Idler Sprocket	2-4
9	H433896	RETAINER	2-4
10	426-884	BOLT - 1/2 x 5-1/4	3-6
11	426-892	BOLT - 1/2 x 5-3/4	2-4
12	230-4218	NUT - Lock, 1/2	5-10
13	199338A1	SPROCKET - Idler, 311 Chain	1-2
13	199345A1	SPROCKET - Idler, 408 Chain	1-2
14	H433867	WASHER - Lock, 5/16	2-4
15	426-1640	BOLT - 1 NC x 2-1/2	2
16	H426833	WASHER - Hardened	2
17	232-41116	NUT - Lock, 1"	2
18	251337A1	SHIM	3
19	426-1640	BOLT - 1 NC x 2-1/2	2
20	H426833	WASHER - Hardened	2
21	232-41116	NUT - Lock, 1"	2


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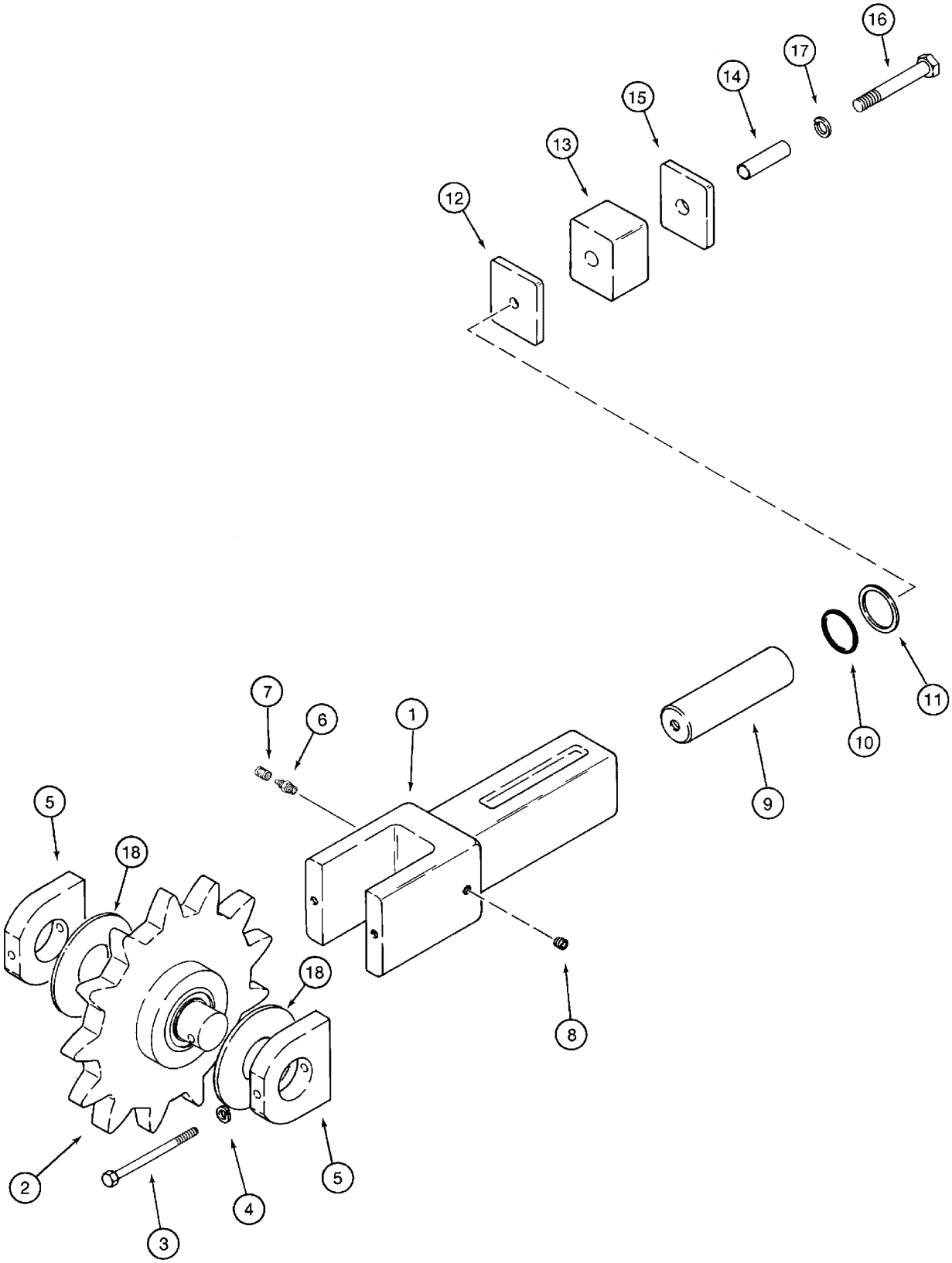
MOUNTING - BOOM BRACKET, TRENCHER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU111542	ASSEMBLY - Bracket (Includes items 3)	1
3	H433624	BUSHING - Lift Cylinder Pivot	2
4	H434547	PAD - Wear, Steel	1
5	426-612	BOLT - 3/8 x 3/4	2
6	224-2246	NUT - Square, 3/8	2
7	219-8	FITTING - Grease, 1/4 TPR x 17/32	1
8	186255A1	SPROCKET - Split, Two Piece, 311 Chain	1
8	186276A1	SPROCKET - Split, Two Piece, 408 Chain	1
9	428-944	BOLT - 9/16 NF x 2-3/4; 8 (Used with 311 Chain Sprocket)	8
9	428-948	BOLT - 9/16 NF x 2-3/4; 8 (Used with 408 Chain Sprocket)	8
10	232-4619	NUT - Special, 9/16	8


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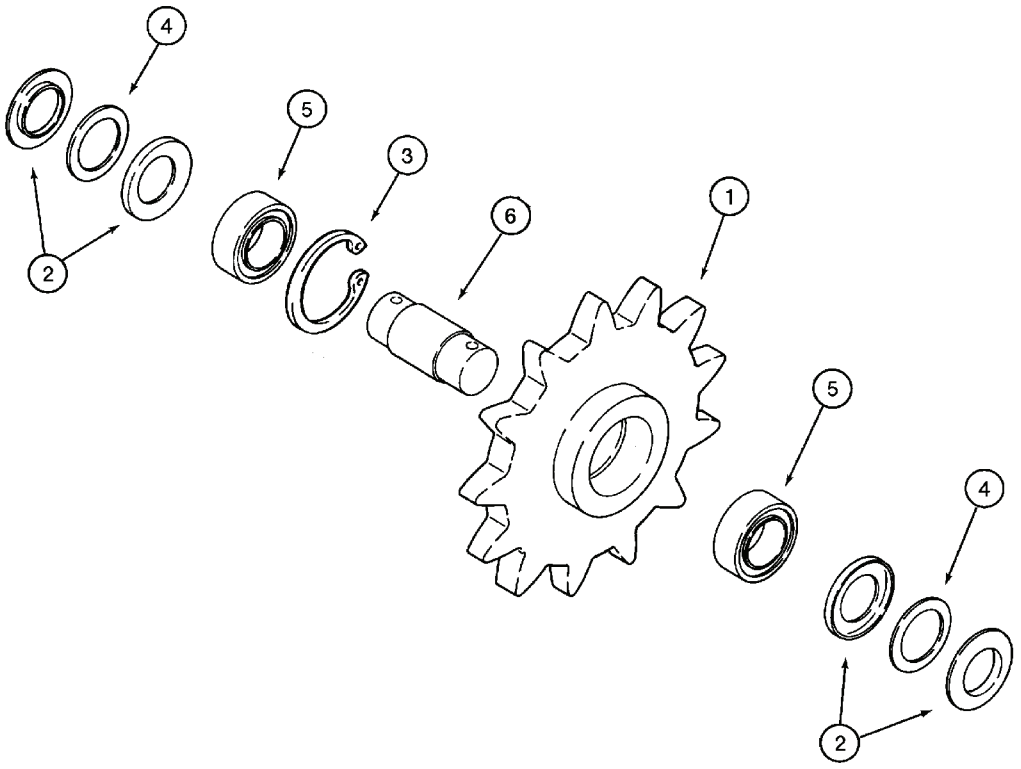
SPROCKET - IDLER

REF.	PART NO.	DESCRIPTION	REQ'D.
	199338A1	ASSEMBLY - Idler Sprocket, 311 Chain	1
1	186265A1	SPROCKET - Idler, 311 Chain	1
2	100-21393	RING - Retaining, # 393	2
3	H747394	BEARING - Ball, Idler Sprocket	2
4	H433990	WASHER - Special	2
5	H433898	SHAFT	1
6	H759109	SEAL	2
	199345A1	ASSEMBLY - Idler Sprocket, 408 Chain	
1	199346A1	SPROCKET - Idler, 408 Chain	2
2	100-21393	RING - Retaining, # 393	4
3	H747394	BEARING - Ball, Idler Sprocket	4
4	H433990	WASHER - Special	4
5	H433898	SHAFT	2
6	H759109	SEAL - Two Piece	4


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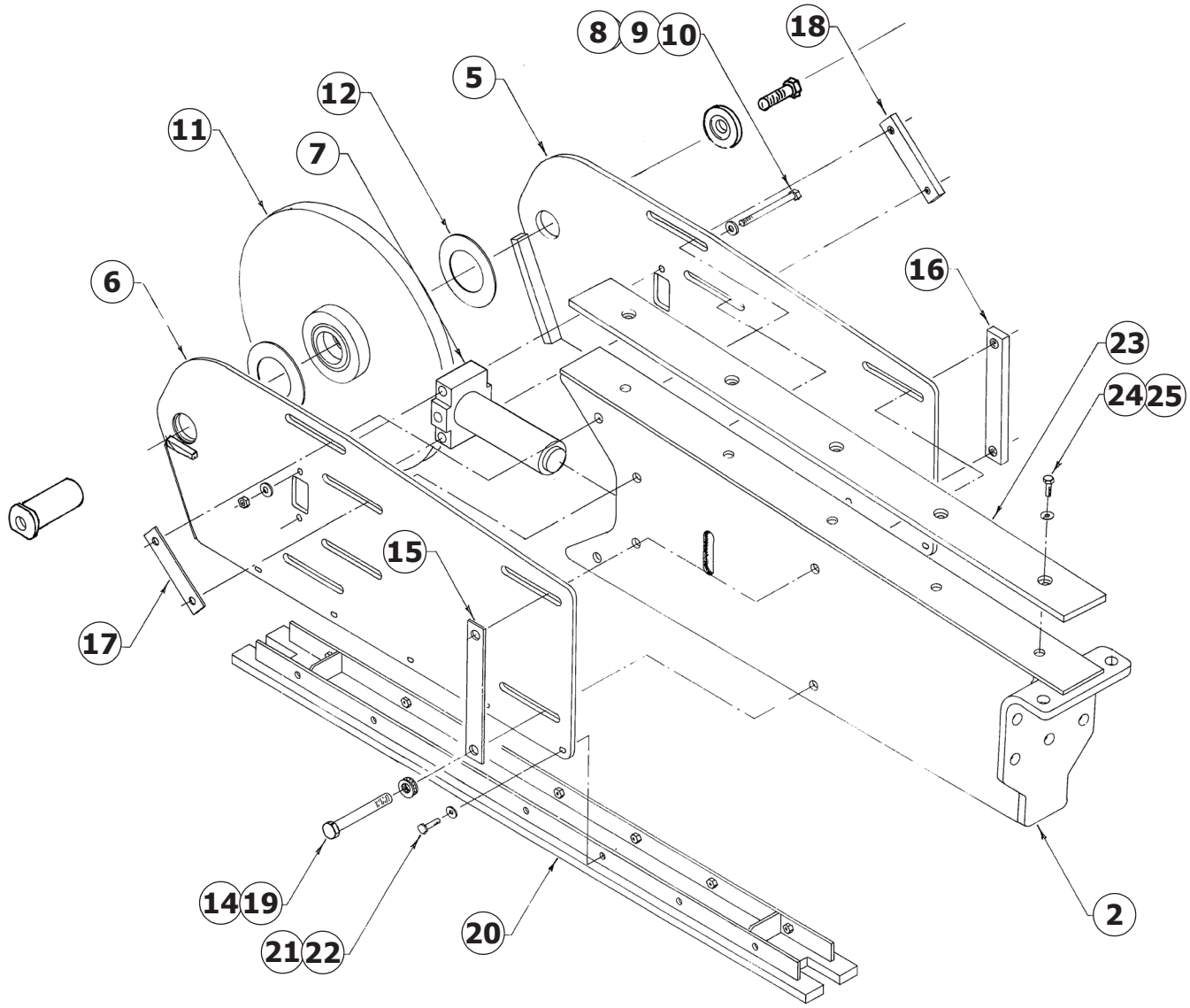
BOOM END, TRENCHER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	199335A1	BOOM - 311 Chain	1
1	199340A1	BOOM - 408 Chain	1
2	199336A1	SPROCKET - 311 Chain	1
2	199341A1	SPROCKET - 408 Chain	1
3	426-896	BOLT - 1/2 x 6; 8	2
4	492-11050	WASHER - Lock, 1/2	2
5	H433404	CAP	2
6	219-66	FITTING - Grease, 1/8 PT x 1 (Includes item 7)	1
7	NSS	CAP	1
8	H114728	PLUG	1
9	H114512	ROD - Plunger	1
10	238-6332	O-RING - 2-3/8 ID x 3/16	1
11	H745711	WASHER	1
12	H433391	RETAINER - Inner	1
13	H433392	CUSHION	1
14	H433509	SLEEVE	1
15	H433508	RETAINER - Outer	1
16	426-1280	BOLT - 3/4 x 5	1
17	492-11075	WASHER - Lock, 3/4	1
18	H433867	WASHER - Lock, 5/16	2
19	H433863	END - Boom	1


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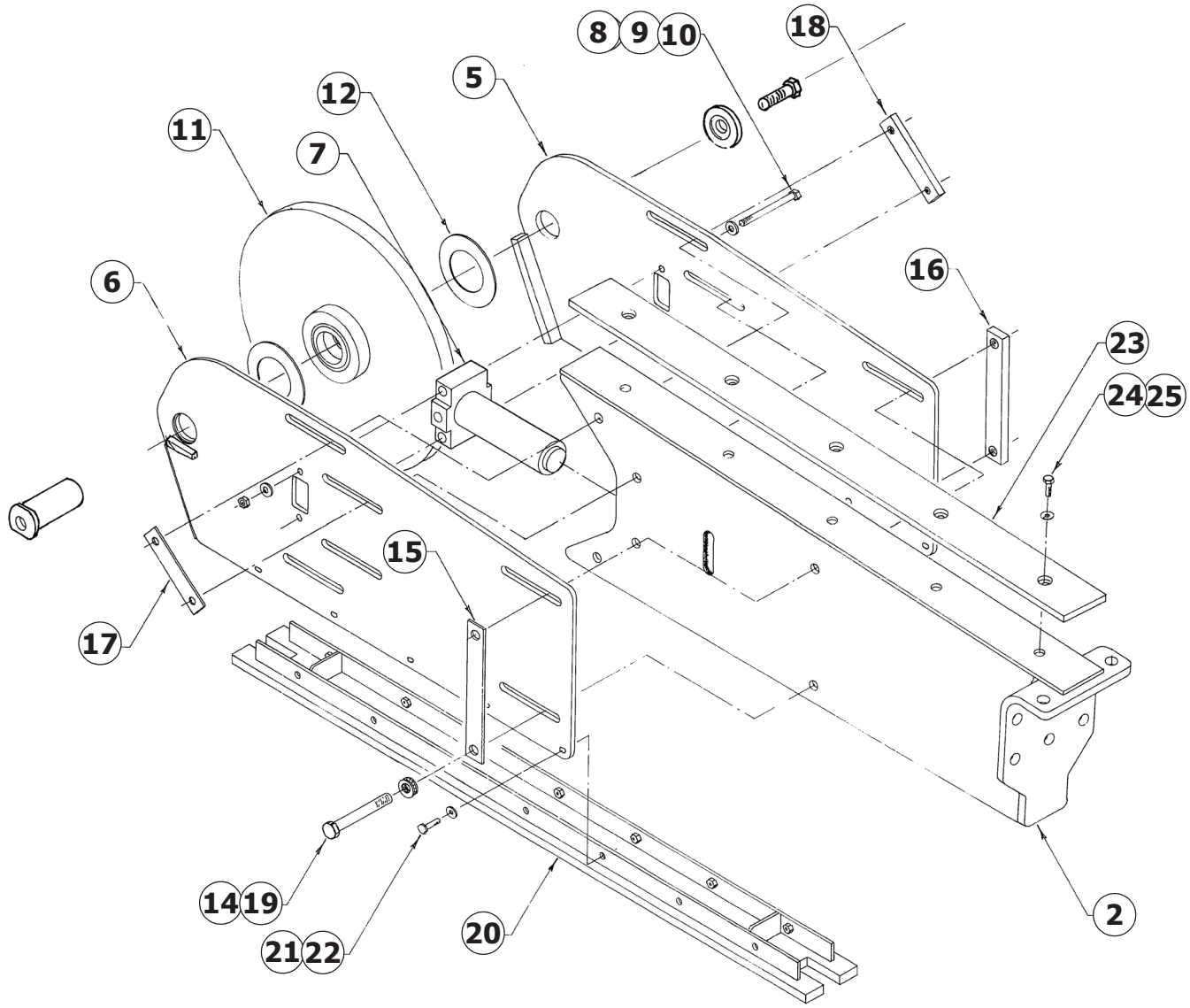
BOOM END - SPROCKET

REF.	PART NO.	DESCRIPTION	REQ'D.
	199336A1	ASSEMBLY - Boom End Sprocket, 311 Chain	1
	199341A1	ASSEMBLY - Boom End Sprocket, 408 Chain	1
1	199342A1	SPROCKET - 311 Chain	1
1	199343A1	SPROCKET - 408 Chain	1
2	H759109	SEAL - Two Piece	2
3	100-21393	RING - Retaining, # 393	1
4	H433990	WASHER - Special	2
5	H747394	BEARING - Ball, Boom End Sprocket	2
6	H433777	SHAFT - Boom End Sprocket, Non-Lubricated	1


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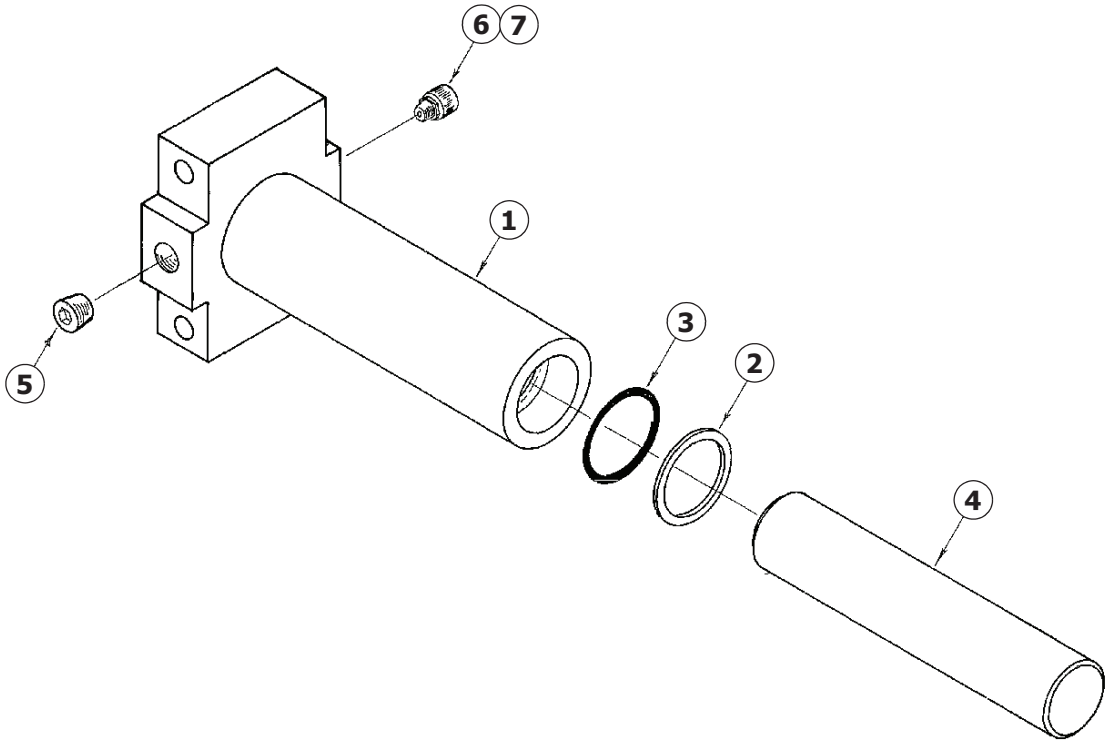
BOOM, ROCK - 4 FT

REF.	PART NO.	DESCRIPTION	REQ'D.
	252101A1	BOOM - Rock, 4 Ft	REF
1	253562A1	ASSEMBLY - Rock Boom, 4 Ft	1
2	AU110261	BOOM - Rock, 4 Ft	1
5	AU110266	PLATE - Left Hand	1
6	AU110265	PLATE - Right Hand	1
7	H672751	ASSEMBLY - Adjuster, Rock Boom	1
8	426-880	BOLT - 1/2 x 5	2
9	232-4118	NUT - Lock, 1/2	2
10	H274894	WASHER - Flat, 1/2	4
11	H672962	ASSEMBLY - Roller	1
12	H435229	WASHER	2
14	426-1088	BOLT	6
15	H434510	BAR - Long, Right Hand	1
16	H434511	BAR - Long, Tapped, Left Hand	1
17	H434671	BAR - Short, Right Hand	2
18	H434555	BAR - Short, Tapped, Left Hand	2
19	H434670	WASHER - Special	6
20	H672693	CHANNEL - Lower	1
21	426-620	BOLT - 3/8 x 1-1/4	10
22	496-21041	WASHER - Hardened, 13/32 x 13/16 x 3/32	10
23	H434549	PAD - Wear	1
24	426-616	BOLT - 3/8 x 1	4
25	492-11038	WASHER - Lock, 3/8	4
26	251337A1	SHIM	3


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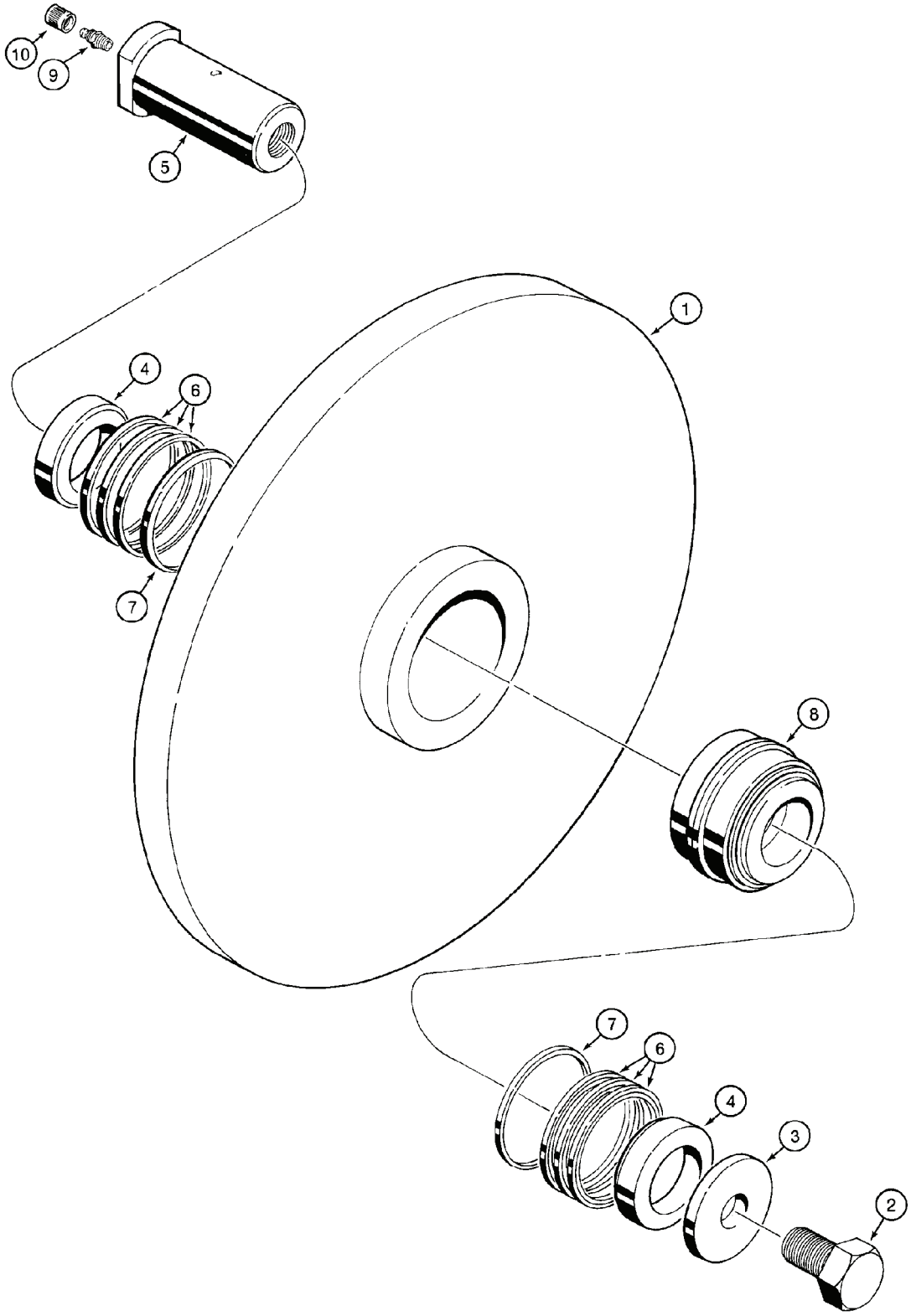
BOOM, ROCK - 5 FT

REF.	PART NO.	DESCRIPTION	REQ'D.
	252102A1	BOOM - Rock, 5 Ft	REF
1	253561A1	ASSEMBLY - Rock Boom, 5 Ft	1
2	AU110262	BOOM - Rock, 5 Ft	1
5	AU110266	PLATE - Left Hand	1
6	AU110265	PLATE - Right Hand	1
7	H672751	ASSEMBLY - Adjuster, Rock Boom	1
8	426-880	BOLT - 1/2 x 5	2
9	232-4118	NUT - Lock, 1/2	2
10	H274894	WASHER - Flat, 1/2	4
11	H672962	ASSEMBLY - Roller	1
12	H435229	WASHER	2
14	426-1088	BOLT	6
15	H434510	BAR - Long, Right Hand	1
16	H434511	BAR - Long, Tapped, Left Hand	1
17	H434671	BAR - Short, Right Hand	2
18	H434555	BAR - Short, Tapped, Left Hand	2
19	H434670	WASHER - Special	6
20	H672820	CHANNEL - Lower	1
21	426-620	BOLT - 3/8 x 1-1/4	10
22	496-21041	WASHER - Hardened, 13/32 x 13/16 x 3/32	10
23	H434850	PAD - Wear	1
24	426-616	BOLT - 3/8 x 1	4
25	492-11038	WASHER - Lock, 3/8	4
26	251337A1	SHIM	3


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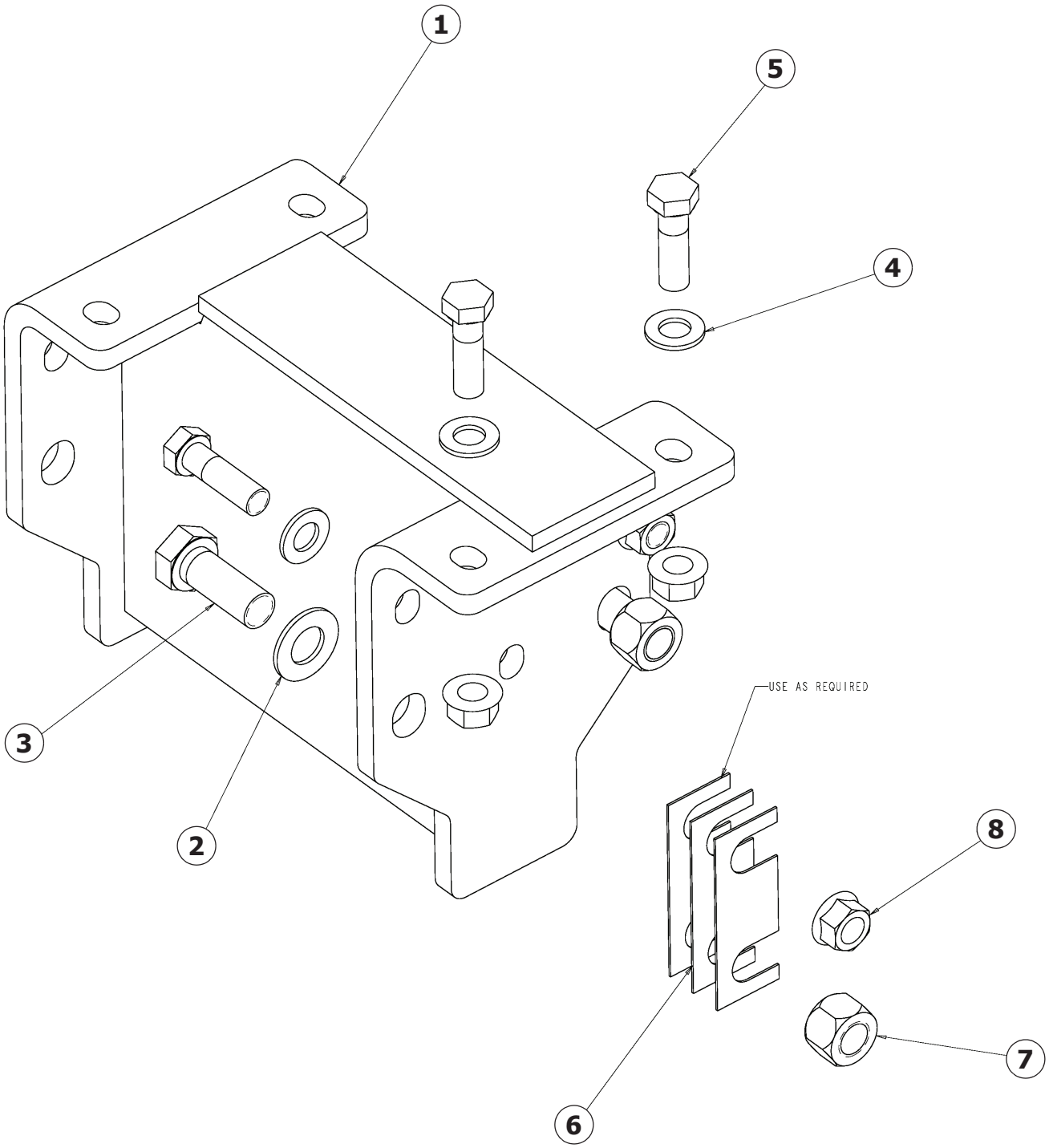
CHAIN ADJUSTER ASSY - BOOM, ROCK

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672751	ASSEMBLY - Adjuster	1
1	H672695	ADJUSTER	1
2	H755009	RING - Backup	1
3	H748871	O-RING - 1-3/4 ID x 3/16	1
4	H434551	ROD	1
5	H114728	PLUG	1
6	219-66	FITTING - Grease, 1/8 PT x 1 (Includes item 7)	1
7	NSS	CAP	1


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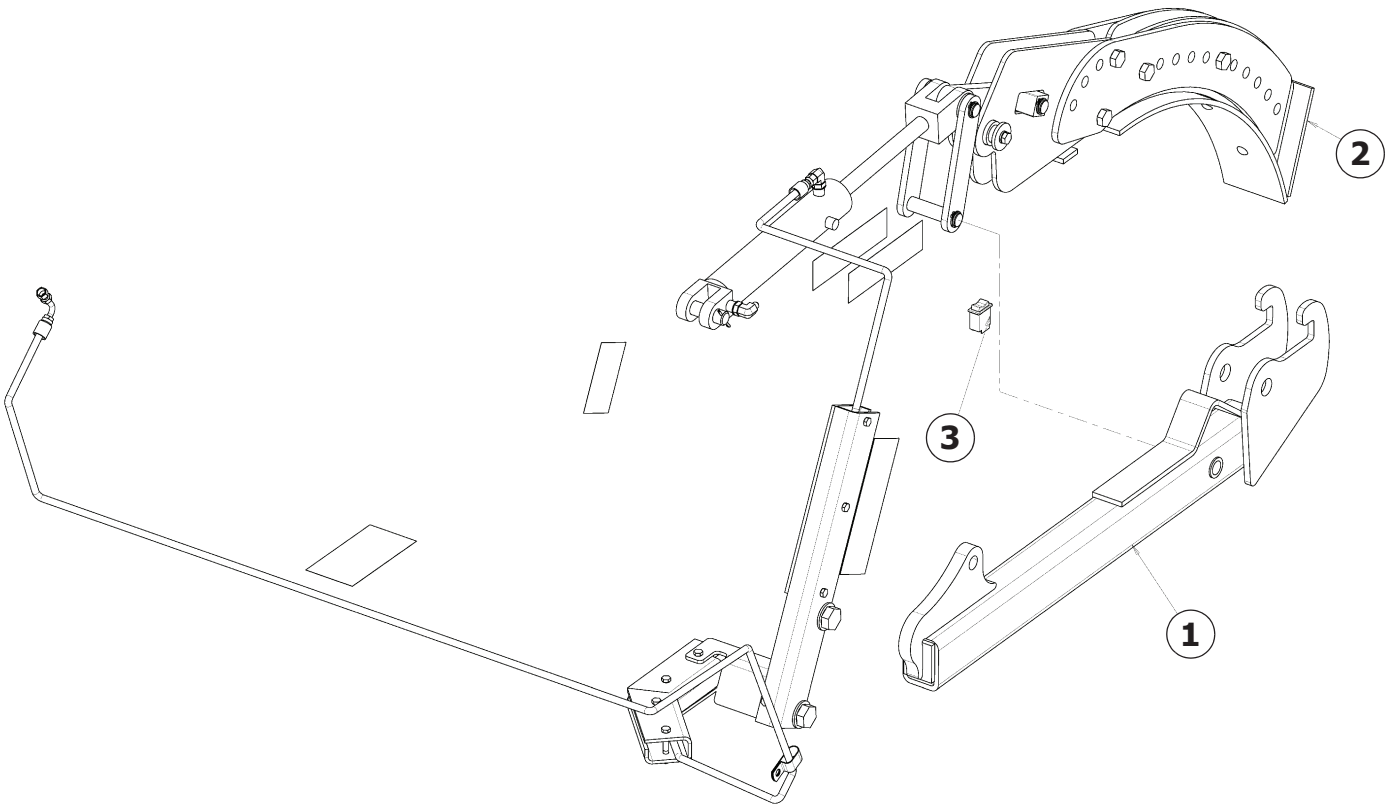
ROLLER ASSY - BOOM, ROCK

REF.	PART NO.	DESCRIPTION	REQ'D.
	H672962	ASSEMBLY - Roller	1
1	H672961	ROLLER	1
2	13-1224	BOLT - 3/4 x 1-1/2	1
3	139027A1	WASHER	1
4	H435227	SPACER	2
5	H435228	PIN - Special	1
6	H435218	SEAL	6
7	H435226	SPACER - Seal	2
8	H759118	BEARING - Roller	1
9	219-66	FITTING - Grease, 1/8 PT x 1 (Includes item 10)	1
10	NSS	CAP	1


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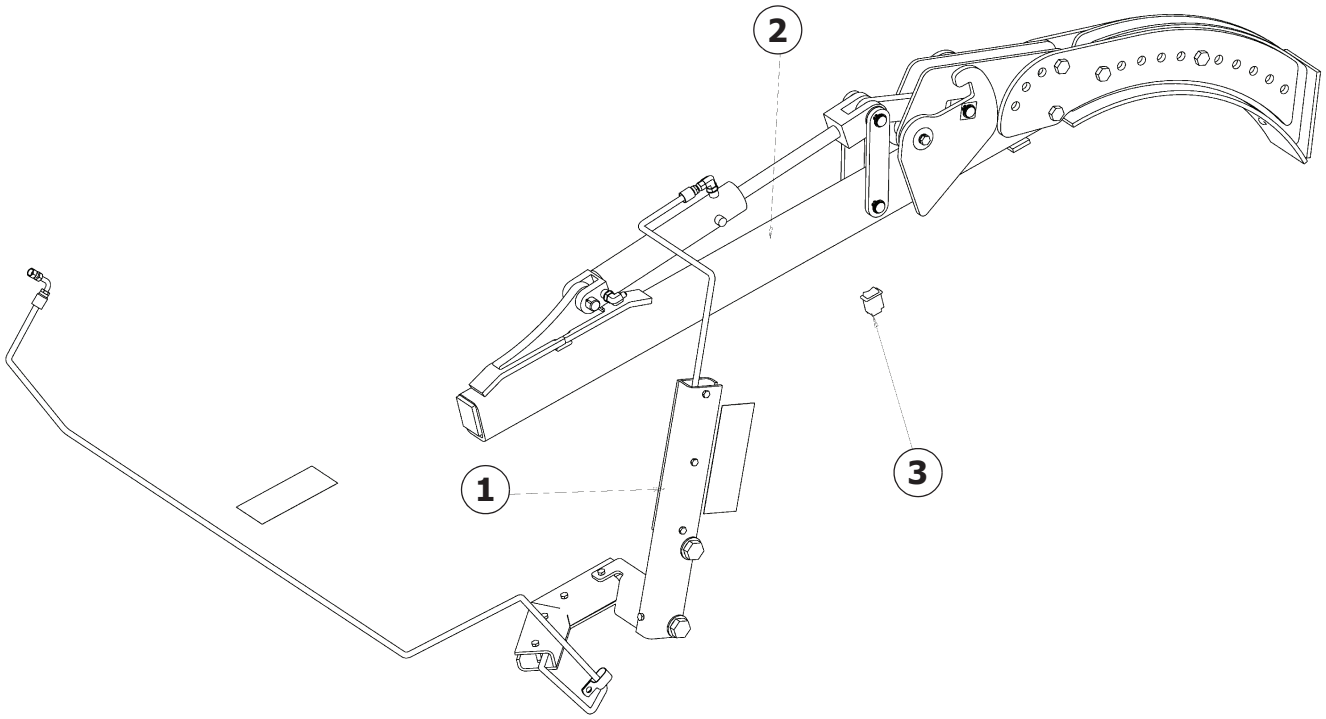
KIT, ROCK BOOM EXTENSION - 12”

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU105140	KIT - Rock Boom Extension, 12”	1
1	AU100644	EXTENSION - Rock Boom	1
2	495-11106	WASHER - 1.062 x 2.00 x .134 in CST ZND	2
3	426-1640	BOLT - Hex Hd, 1.00 x 2.50 GR8 ZND	2
4	496-11081	WASHER - .812 x 1.50 x .134 in HDN ZND	4
5	426-1240	BOLT - Hex Hd, .750 x 2.50 GR5 ZND	4
6	251337A1	SHIM - Plow	3
7	232-41116	NUT - Prev Trq, 1 in GRC CAD DIRECT	2
8	231-51412	NUT - Serr Flg, 3/4 - 10 UNC GR5 ZND	4


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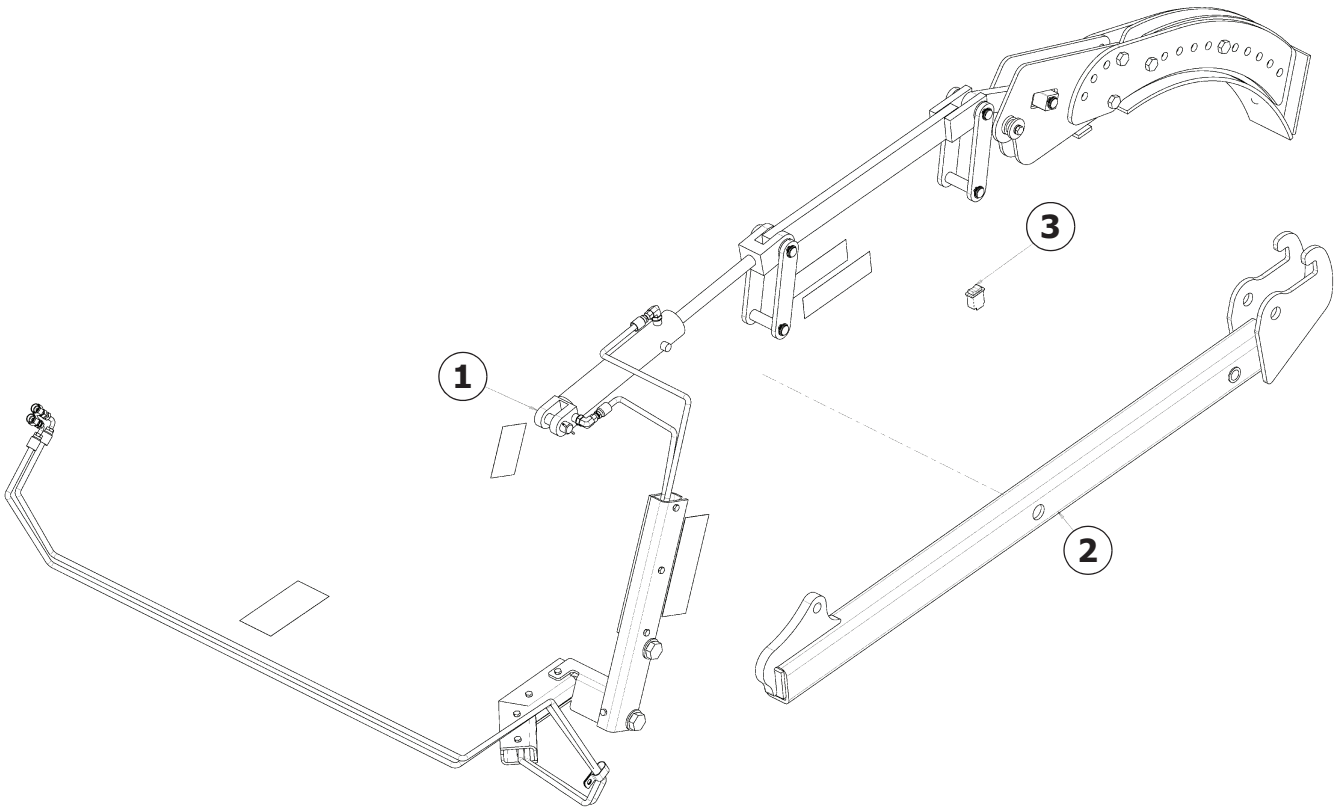
CRUMBER ASSEMBLY, 4 FT HYDRAULIC

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118929	ASSEMBLY - Crumber, 4 Ft Hydraulic	1
1	H672769	WELDMENT - Tube, 4 Ft Crumber	2
2	AU108297	KIT - Hydraulic Crumber	1
3	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
4	AU119090	CARTRIDGE	1


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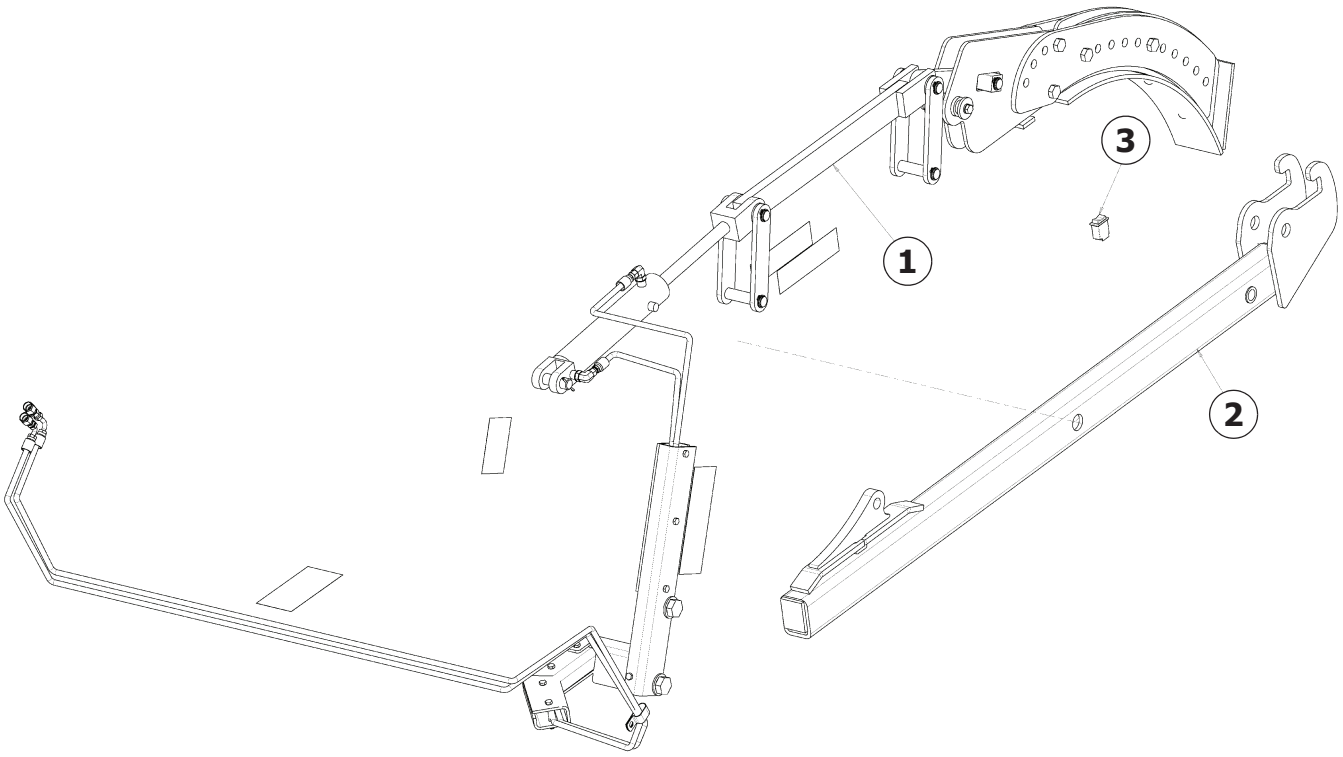
ASSEMBLY, HYDRAULIC CRUMBER - 5 FT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118937	ASSEMBLY - Hydraulic Crumber, 5 Ft	1
1	AU108356	KIT - Hydraulic Crumber	1
2	H672852	WELDMENT - Tube, Crumber	1
3	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
4	AU119090	CARTRIDGE	1


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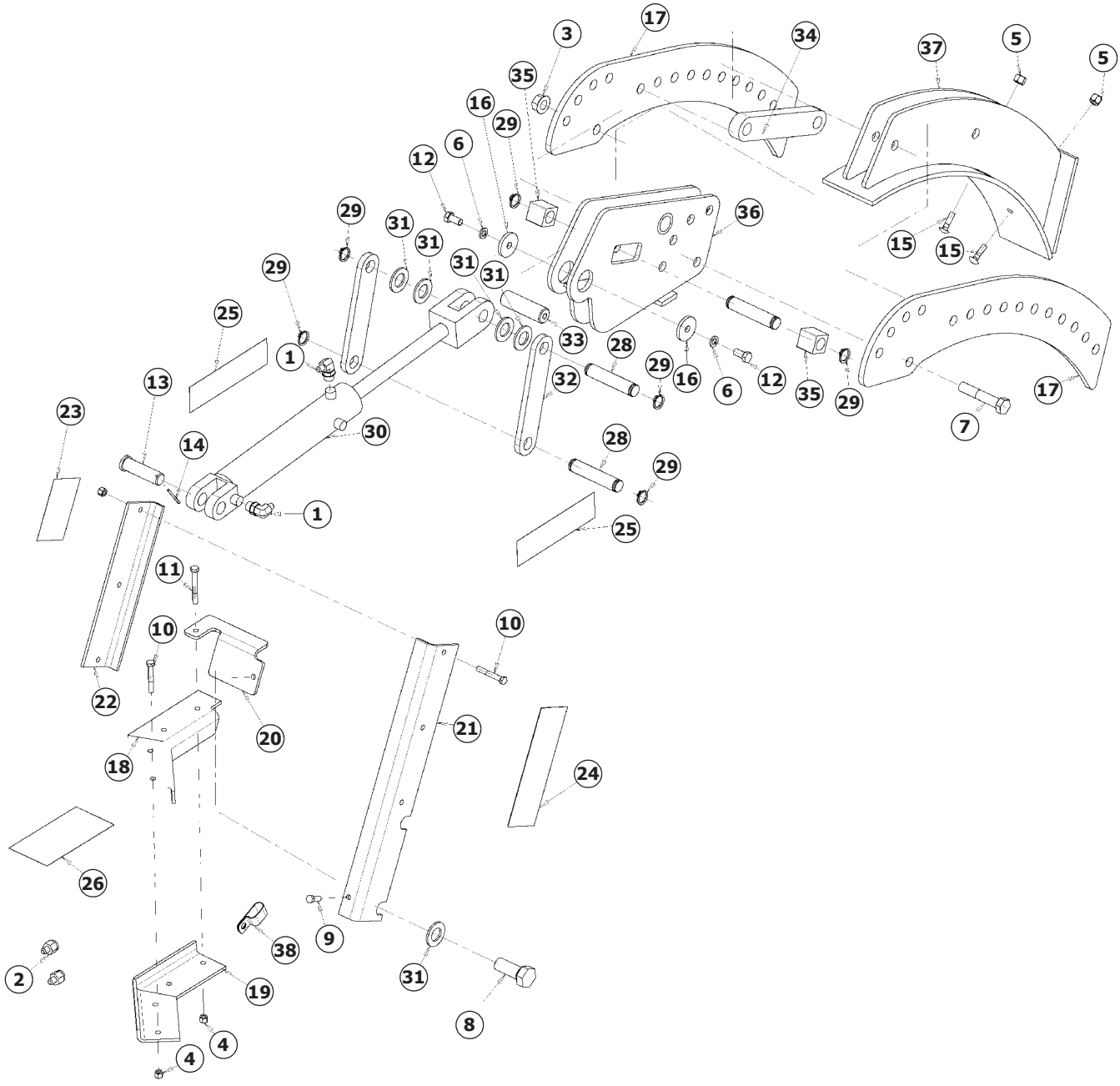
ASSEMBLY, HYDRAULIC CRUMBER - 6 FT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118938	ASSEMBLY - Hydraulic Crumber, 6 Ft	1
1	AU108356	KIT - Hydraulic Crumber	1
2	H672853	WELDMENT - Tube, Crumber	1
3	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
4	AU119090	CARTRIDGE	1


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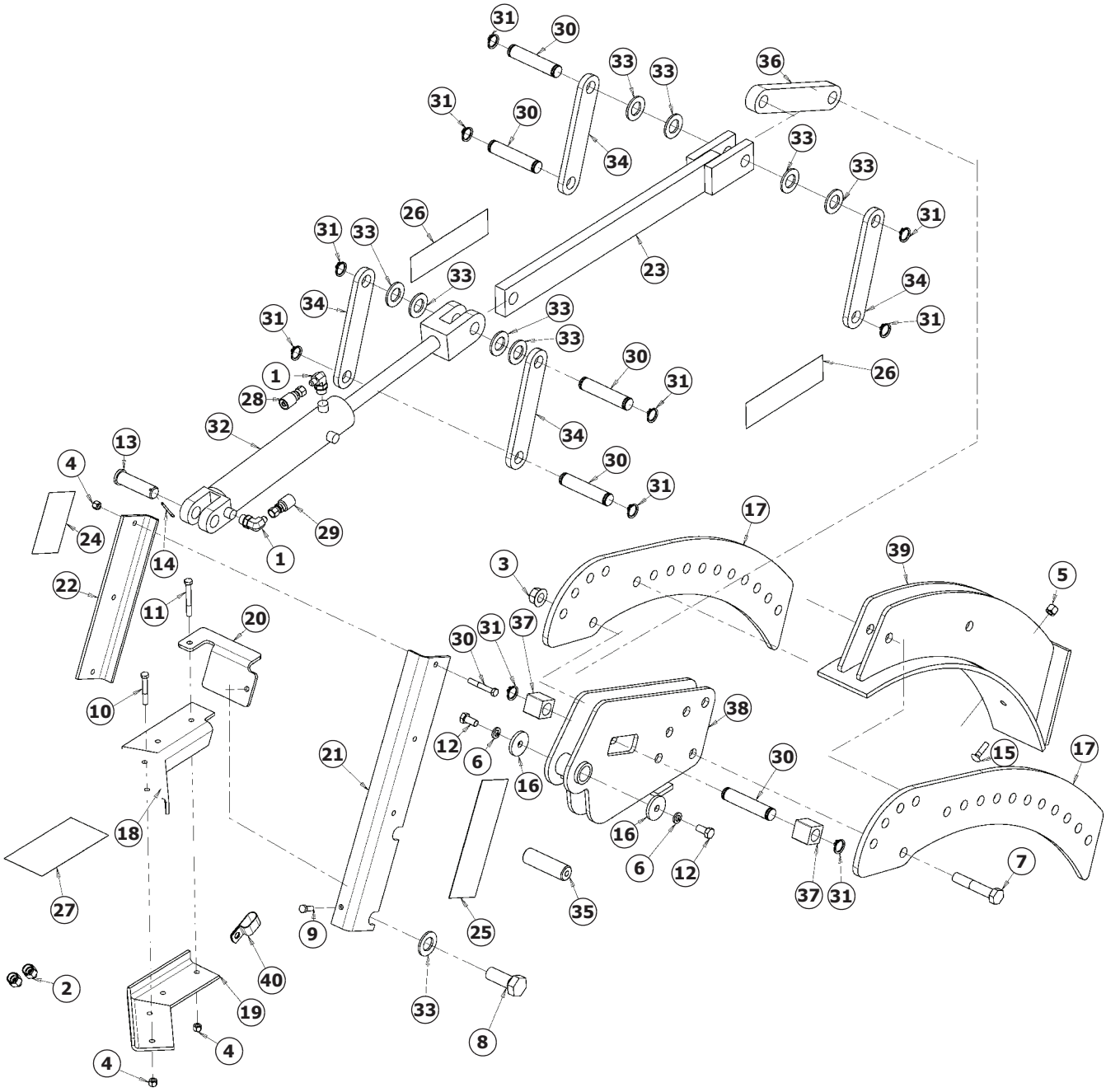
ASSEMBLY, HYDRAULIC CRUMBER - 7 FT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118939	ASSEMBLY - Hydraulic Crumber, 7 Ft	1
1	AU108356	KIT - Hydraulic Crumber	1
2	H672854	WELDMENT - Tube, Crumber	1
3	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
4	AU119090	CARTRIDGE	1


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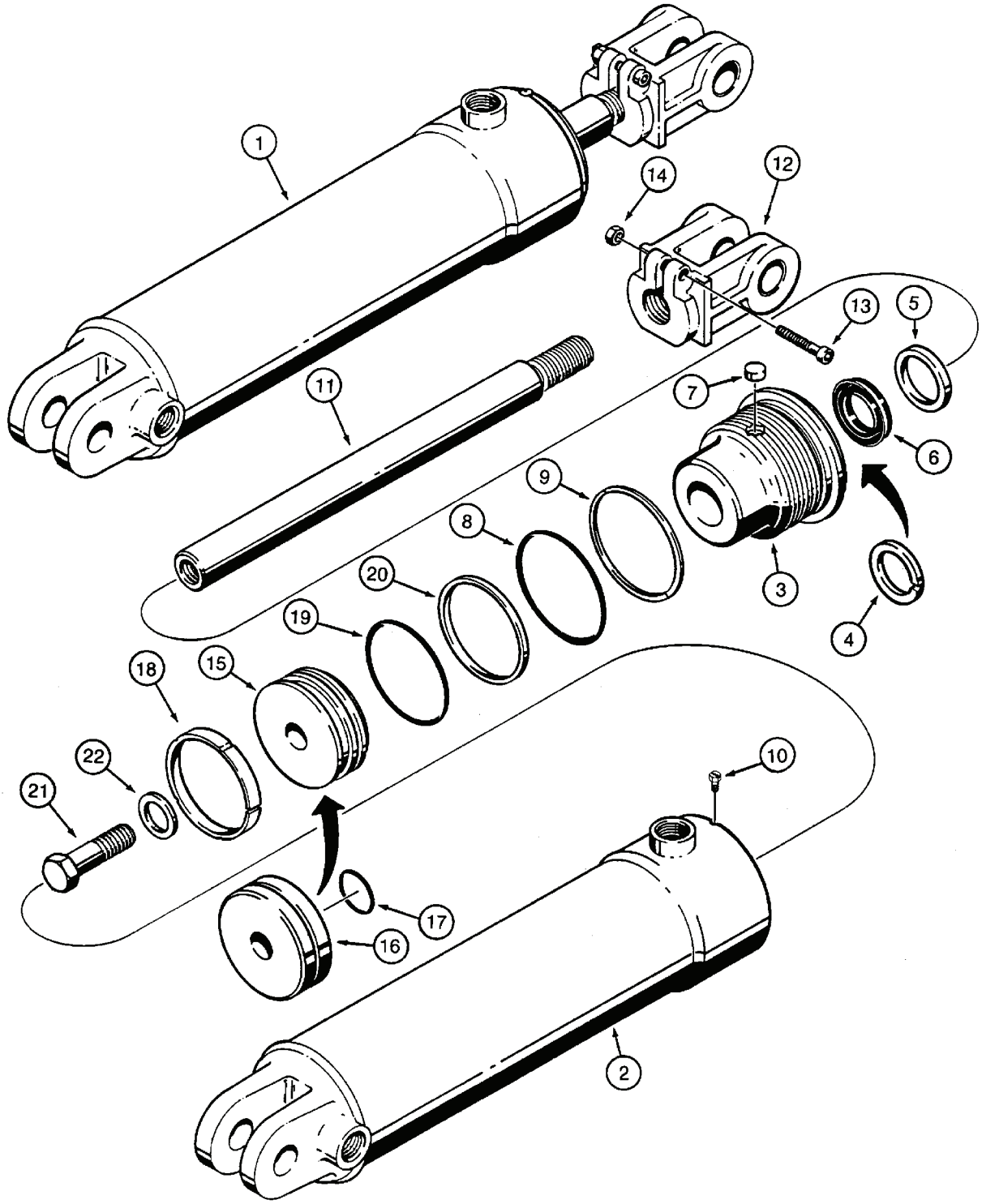
HYDRAULIC CRUMBER KIT - 4 AND 5 FOOT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108297	KIT - Hydraulic Crumber	1
1	218-5128	ELBOW - 90 Adj 37FL 3/8 x 1/2 Tube	2
2	218-786	ADAPTER - (not shown)	2
3	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 Znd	4
4	232-4116	NUT - Prev Trq 3/8 GRC CAD Direct	8
5	232-4118	NUT - Prev Trq 1/2 GRC CAD Direct	2
6	392-11050	WASHER - Spring Lock Reg .500 in PHC	2
7	426-1264	BOLT - Hex Hd .750 x 4.00 GR8 Znd	4
8	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 Znd	2
9	426-616	BOLT - Hex Hd .375 x 1.00 GR8 Znd	1
10	426-640	BOLT - Hex Hd .375 x 2.50 GR8 Znd	6
11	426-648	BOLT - Hex Hd .375 x 3.00 GR8 Znd	1
12	426-816	BOLT - Hex Hd .500 x 1.00 GR8 Znd	2
13	427-16350	PIN - Cylinder	1
14	432-1028	PIN - Cotter .156 x 1.75 in Zn	1
15	433-624	BOLT - Round Hd .375 x 1.50 GR5 Znd	2
16	495-81269	WASHER - .531 x 2.00 x .250 in CST Znd	2
17	102540A1	PLATE - Crumber Connector	2
18	105556A1	ANGLE WELDMENT - Conduit, Upper	1
19	105564A1	ANGLE WELDMENT - Conduit, Lower	1
20	105565A1	ANGLE - Tie	1
21	105566A1	ANGLE - Conduit (long)	1
22	105568A1	ANGLE - Conduit (short)	1
23	419470A1	DECAL - Danger, Tren Entangle Hazard	1
24	419474A1	DECAL - Utility Hazard	1
25	428652A1	DECAL - Danger, Entangle Hazard (NAO)	2
26	429172A1	DECAL - Hyd Crumber Oper Instructions	1
27	AU108294	HOSE - Crumber Assembly (not shown)	2
28	D137151	PIN - Cylinder Rod	3
29	D25277	RING - Snap	6
30	G34197	ASSEMBLY - Cylinder	1
31	H426833	WASHER - H.T. (1" ABolt)	6
32	H434627	LINK - Crumber, Straight	2
33	H434920	PIN - Pivot	1
34	H435270	LINK - Crumber Push	1
35	H435440	SQUARE BAR - Slide Block	2
36	H672767	PIVOT WELDMENT - Crumber	1
37	H672768	SHOE WELDMENT - Crumber	1
38	L302731	CLAMP - Double	1


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HYDRAULIC CRUMBER KIT - 6 AND 7 FOOT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108356	KIT - Hydraulic Crumber	1
1	218-5128	ELBOW - 90 Adj 37FL 3/8 x 1/2 Tube	2
2	218-786	ADAPTER - (not shown)	2
3	231-51412	NUT - Serr Flg 3/4 - 10 UNC GR5 Znd	4
4	232-4116	NUT - Prev Trq 3/8 GRC CAD Direct	8
5	232-4118	NUT - Prev Trq 1/2 GRC CAD Direct	2
6	392-11050	WASHER - Spring Lock Reg .500 in PHC	2
7	426-1264	BOLT - Hex Hd .750 x 4.00 GR8 Znd	4
8	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 Znd	2
9	426-616	BOLT - Hex Hd .375 x 1.00 GR8 Znd	1
10	426-640	BOLT - Hex Hd .375 x 2.50 GR8 Znd	6
11	426-648	BOLT - Hex Hd .375 x 3.00 GR8 Znd	1
12	426-816	BOLT - Hex Hd .500 x 1.00 GR8 Znd	2
13	427-16350	PIN - Cylinder	1
14	432-1028	PIN - Cotter .156 x 1.75 in Zn	1
15	433-624	BOLT - Round Hd .375 x 1.50 GR5 Znd	2
16	495-81269	WASHER - .531 x 2.00 x .250 in CST Znd	2
17	102540A1	PLATE - Crumber Connector	2
18	105556A1	ANGLE WELDMENT - Conduit, Upper	1
19	105564A1	ANGLE WELDMENT - Conduit, Lower	1
20	105565A1	ANGLE - Tie	1
21	105566A1	ANGLE - Conduit (long)	1
22	105568A1	ANGLE - Conduit (short)	1
23	107751A1	BAR WELDMENT - Extension	1
24	419470A1	DECAL - Danger, Tren Entangle Hazard	1
25	419474A1	DECAL - Utility Hazard	1
26	428652A1	DECAL - Danger, Entangle Hazard (NAO)	2
27	429172A1	DECAL - Hyd Crumber Oper Instructions	1
28	AU108294	HOSE - Crumber Assembly (not shown)	1
29	AU108400	HOSE - Crumber Assembly (not shown)	1
30	D137151	PIN - Cylinder Rod	5
31	D25277	RING - Snap	10
32	G34197	ASSEMBLY - Cylinder	1
33	H426833	WASHER - H.T. (1" ABolt)	10
34	H434627	LINK - Crumber, Straight	4
35	H434920	PIN - Pivot	1
36	H435270	LINK - Crumber Push	1
37	H435440	SQUARE BAR - Slide Block	2
38	H672767	PIVOT WELDMENT - Crumber	1
39	H672768	SHOE WELDMENT - Crumber	1
40	L302731	CLAMP - Double	1



G34197

CYLINDER ASSY - CRUMBER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G34197	ASSEMBLY - Cylinder, Hydraulic Crumber, 76 ID x 254 mm (Items 2-22)	1
2	G34199	TUBE - Cylinder	1
	1543161C1	ASSEMBLY - Gland, Cylinder (Includes items 3 - 9)	1
3	NSS	GLAND - Cylinder	1
	1543318C2	KIT - Seal (Includes items 4 - 6, 8, 9, 17 - 20)	1
4	G109092	SEAL - Buffer (If used)	1
5	D95141	SEAL - Wiper, Piston Rod	1
6	G32034	RING - Piston Rod	1
7	353-779	PLUG - Nylon (If used)	1
8	238-5234	O-RING - 3 ID x 1/8	1
9	G32122	RING - Backup	1
10	G109395	SCREW (If used)	1
11	113978A1	ROD	1
12	G34450	CLEVIS - Adjustable, Piston Rod (Includes items 13 & 14)	1
13	61-33828	BOLT - 3/8 x 1-3/4	1
14	25-106	NUT - 3/8	1
15	G34202	PISTON - Double Groove (If used)	1
16	G104106	PISTON - Single Groove (If used)	1
17	238-5026	O-RING - 1-1/4 x 1/16 (Used with item 16)	1
18	G100449	RING - Wear, Piston (Used with item 15)	1
19	238-5230	O-RING - 2-1/2 ID x 1/8	1
20	G32034	RING	1
21	28-1232	BOLT - 3/4 NF x 2; 8	1
22	G32317	WASHER - Hardened	1

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HYDRAULIC HOSE EXTENSION KIT

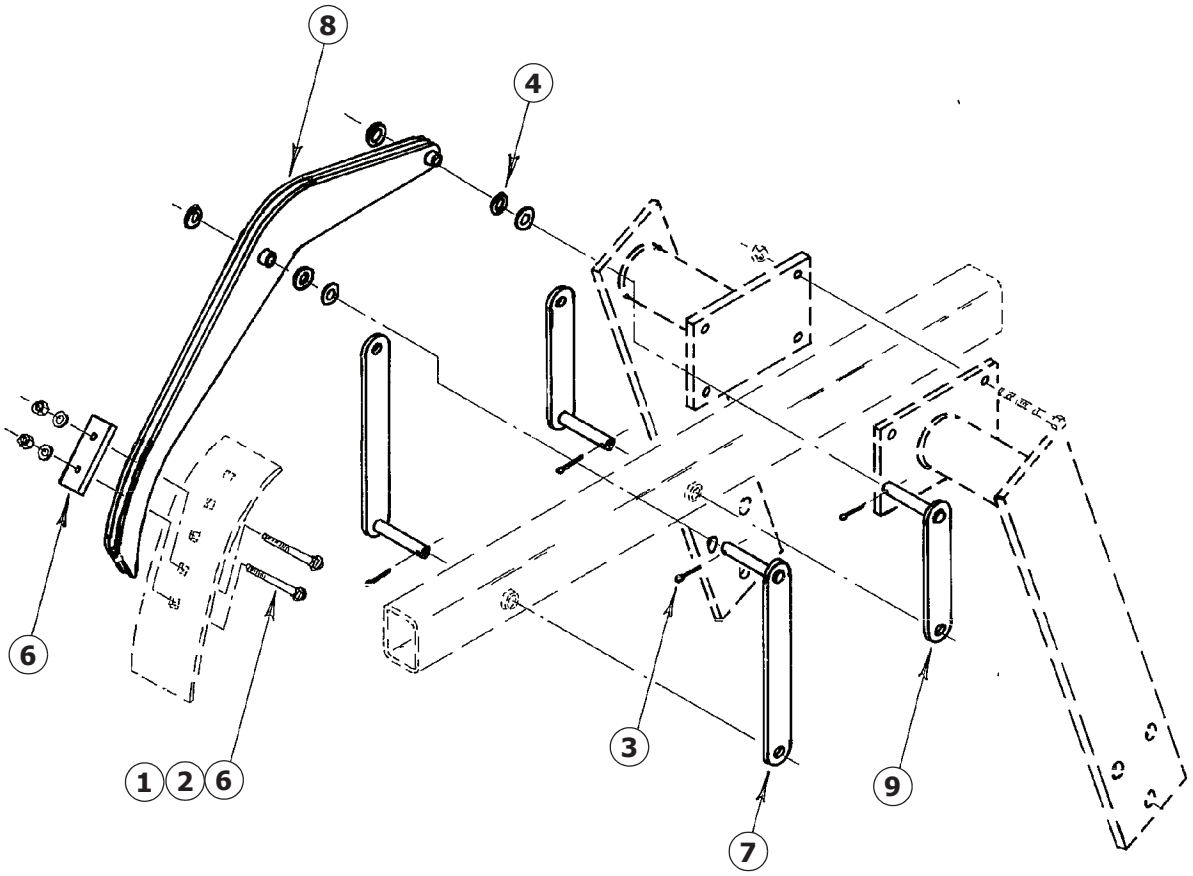
Used When Hydraulic Crumber Is Used With Sliding Offset

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU114078	KIT - Hydraulic Hose Extension	1
1	218-734	FITTING - Union, -6	2
2	AU114077	HOSE - Hydraulic -4, 3kpsi, -6 JICF	2

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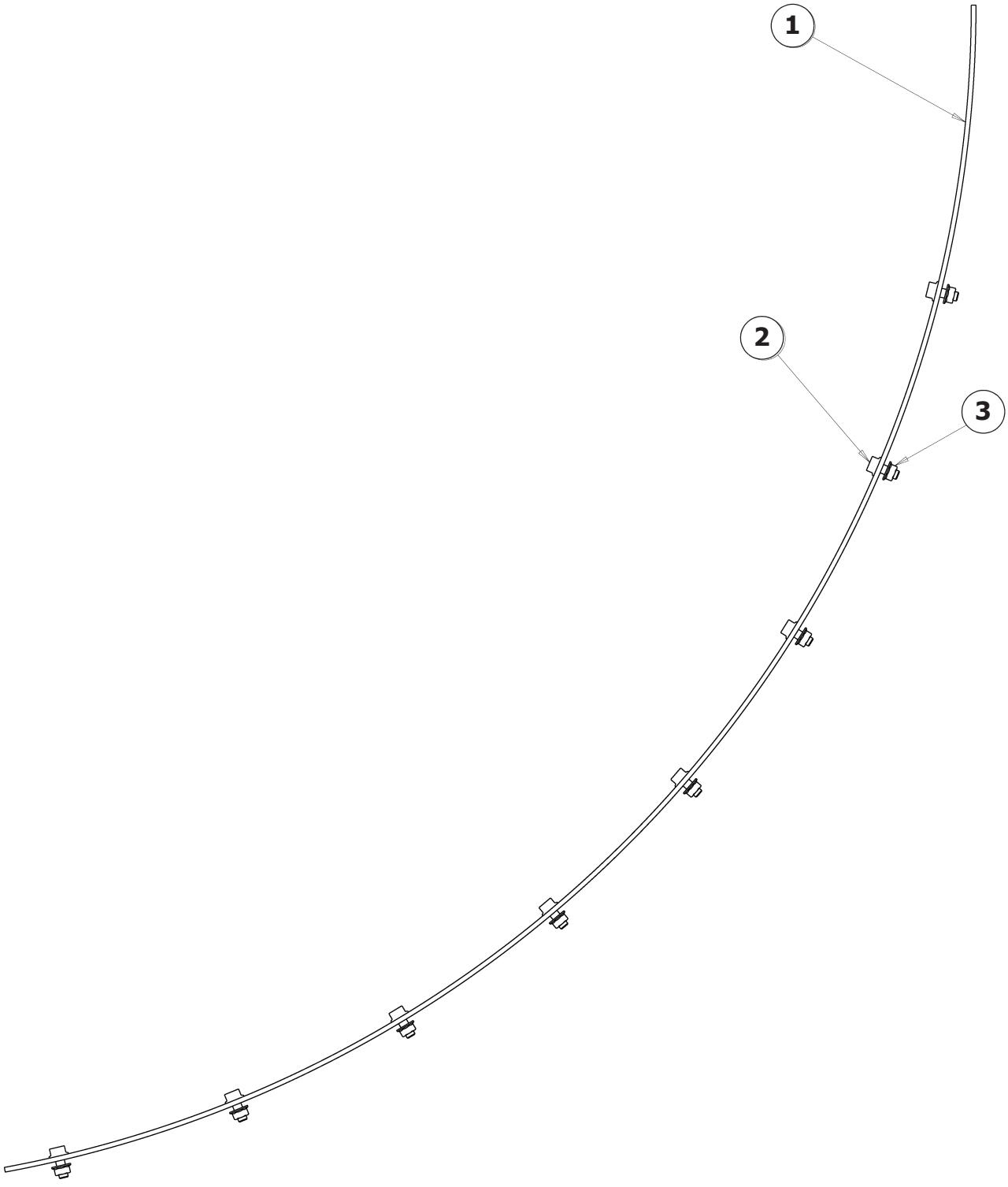
CRUMBER KITS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	443778A1	KIT - Crumber, 4 ft	1
1	443779A1	KIT - Crumber, 5 ft	
1	443780A1	KIT - Crumber, 6 ft	
1	443781A1	KIT - Crumber, 7 ft	
2	H672169	TUBE - Crumber, 4 ft	1
2	H672170	TUBE - Crumber, 5 ft	1
2	H672171	TUBE - Crumber, 6 ft	1
2	H672172	TUBE - Crumber, 7 ft	1
3	H673087	CRUMBER - Basic	1
4	428652A1	DECAL - Danger, Chain Entanglement	2
5	H438910	DECAL - Danger, Verticle	1
6	8-75222	INSTRUCTIONS - Installation	1


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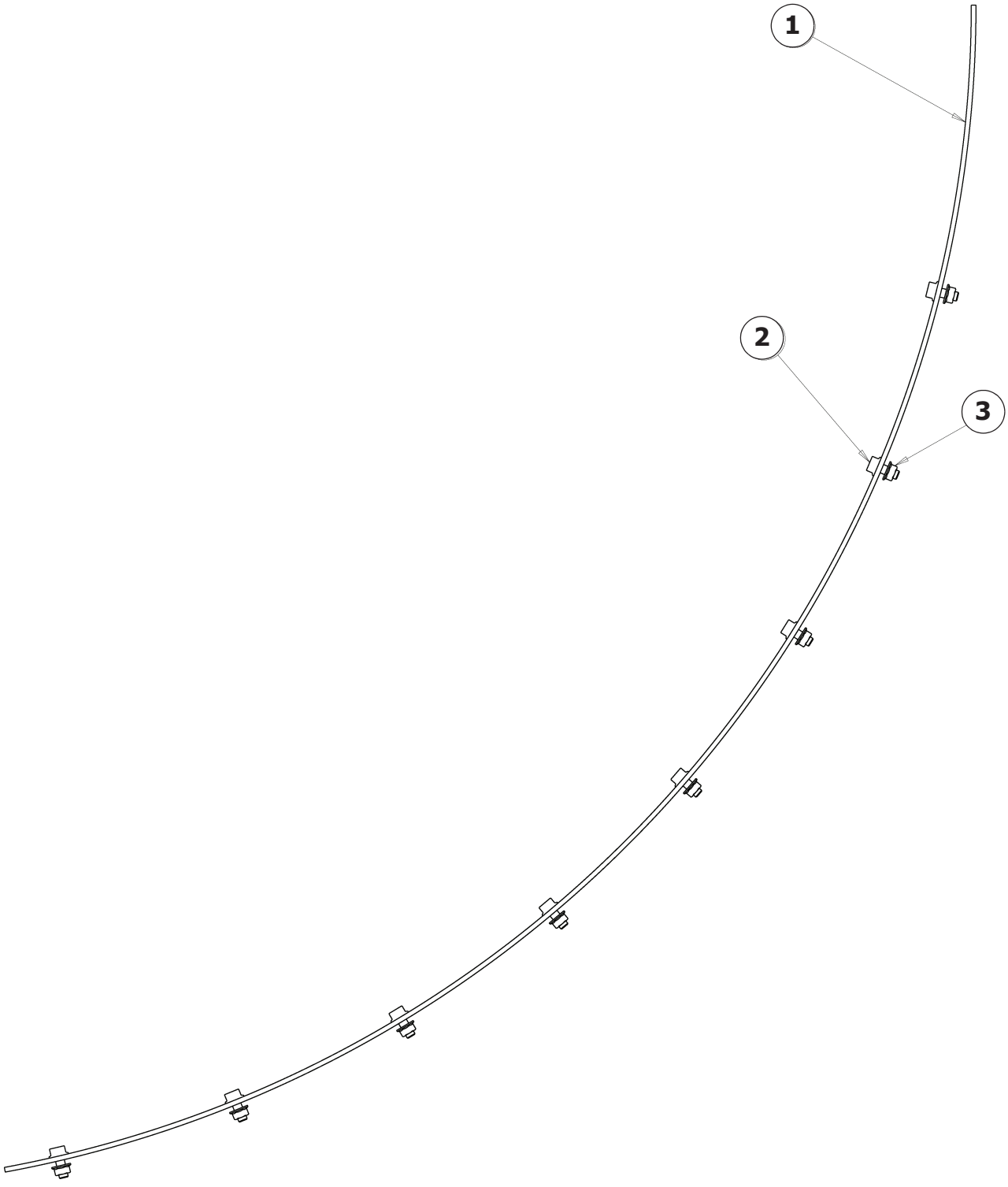
BASIC CRUMBER

REF.	PART NO.	DESCRIPTION	REQ'D.
	H673087	CRUMBER - Basic	1
1	411-864	BOLT - 1/2 x 4 GRD 2	2
2	232-4118	NUT - 1/2 GRD C TL	2
3	432-1220	PIN - 3/16 x 1-1/4 Cotter ZP	4
4	495-11081	WASHER - 3/4 Flat	6
5	H274894	WASHER - 1/2 Flat HT	2
6	H309450	BAR - Blade Attachment	1
7	H672721	LINK - Long	2
8	H673071	ARM - Crumber	1
9	H673072	LINK - Short	2


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SHOE KIT - 10” CRUMBER
46” Rocksaw

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU117307	Kit - Shoe, 10” Crumber	1
1	AU117302	Shoe	1
2	AU101477	Screw, Metric Flange w/Body - M12 x 30	8
3	AU100445	Nut, Metric Hex Flange - M12, Zinc	8


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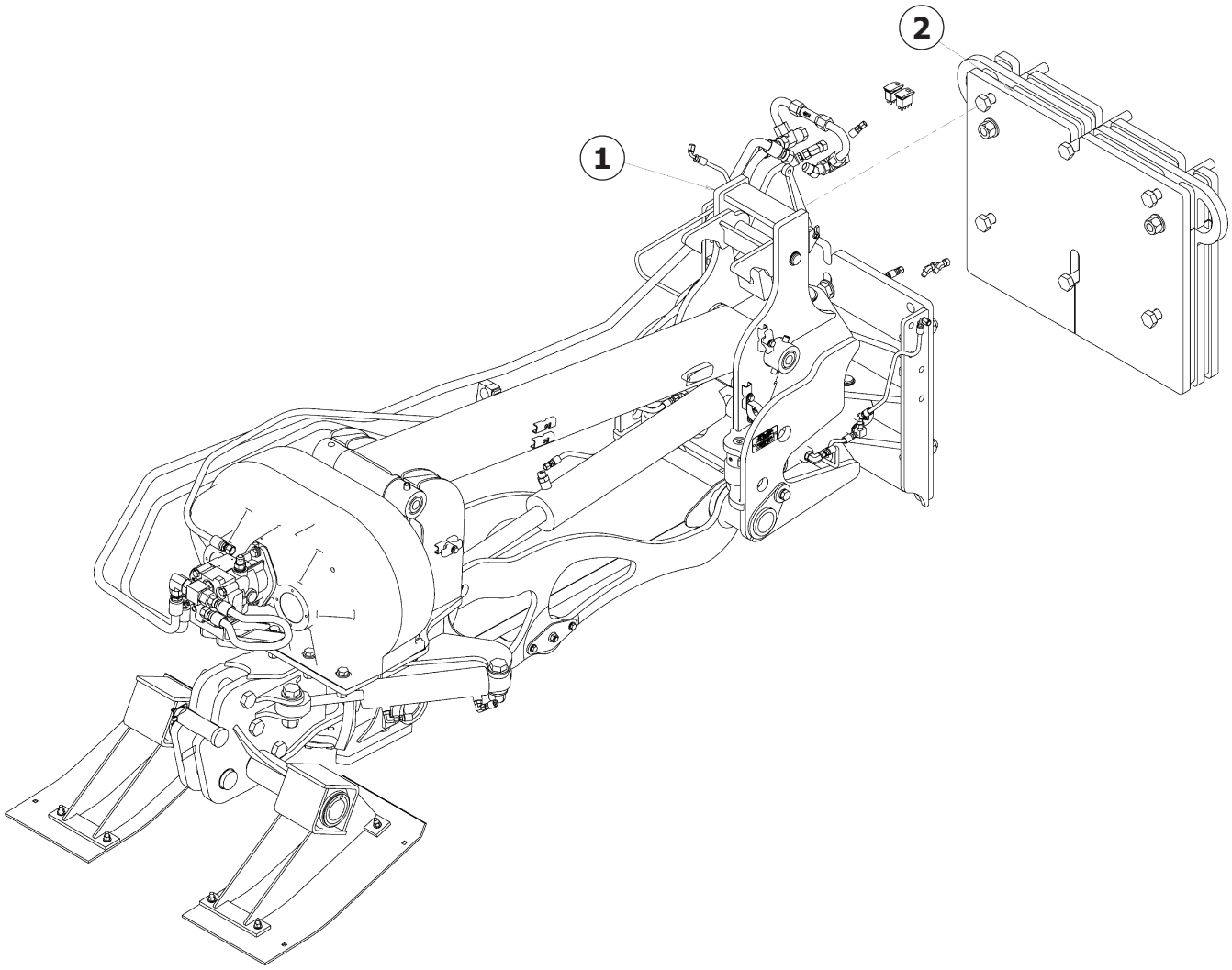
SHOE KIT - 10” CRUMBER
40” Rocksaw

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU117378	Kit - Shoe, 10” Crumber	1
1	AU117377	Shoe	1
2	AU101477	Screw, Metric Flange w/Body - M12 x 30	8
3	AU100445	Nut, Metric Hex Flange - M12, Zinc	8

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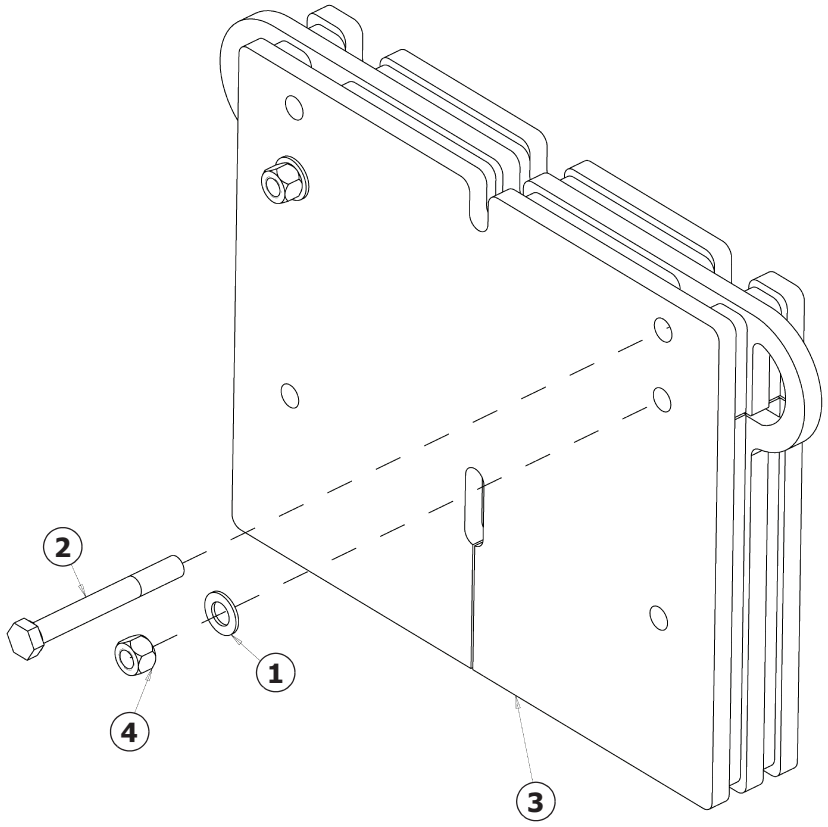
RESTRAINT BARS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	443782A1	KIT - Restraint Bar, 4 ft	1
1	443783A1	KIT - Restraint Bar, 5 ft	
1	443784A1	KIT - Restraint Bar, 6 ft	
1	443785A1	KIT - Restraint Bar, 7 ft	
2	H434220	TUBE - Restraint, 4 ft.	1
2	H434221	TUBE - Restraint, 5 ft.	1
2	H434222	TUBE - Restraint, 6 ft.	1
2	H434223	TUBE - Restraint, 7 ft.	1
3	428652A1	DECAL - Danger, Chain Entanglement	2
4	H438910	DECAL - Danger, Verticle	1
5	8-75222	INSTRUCTIONS - Installation	1


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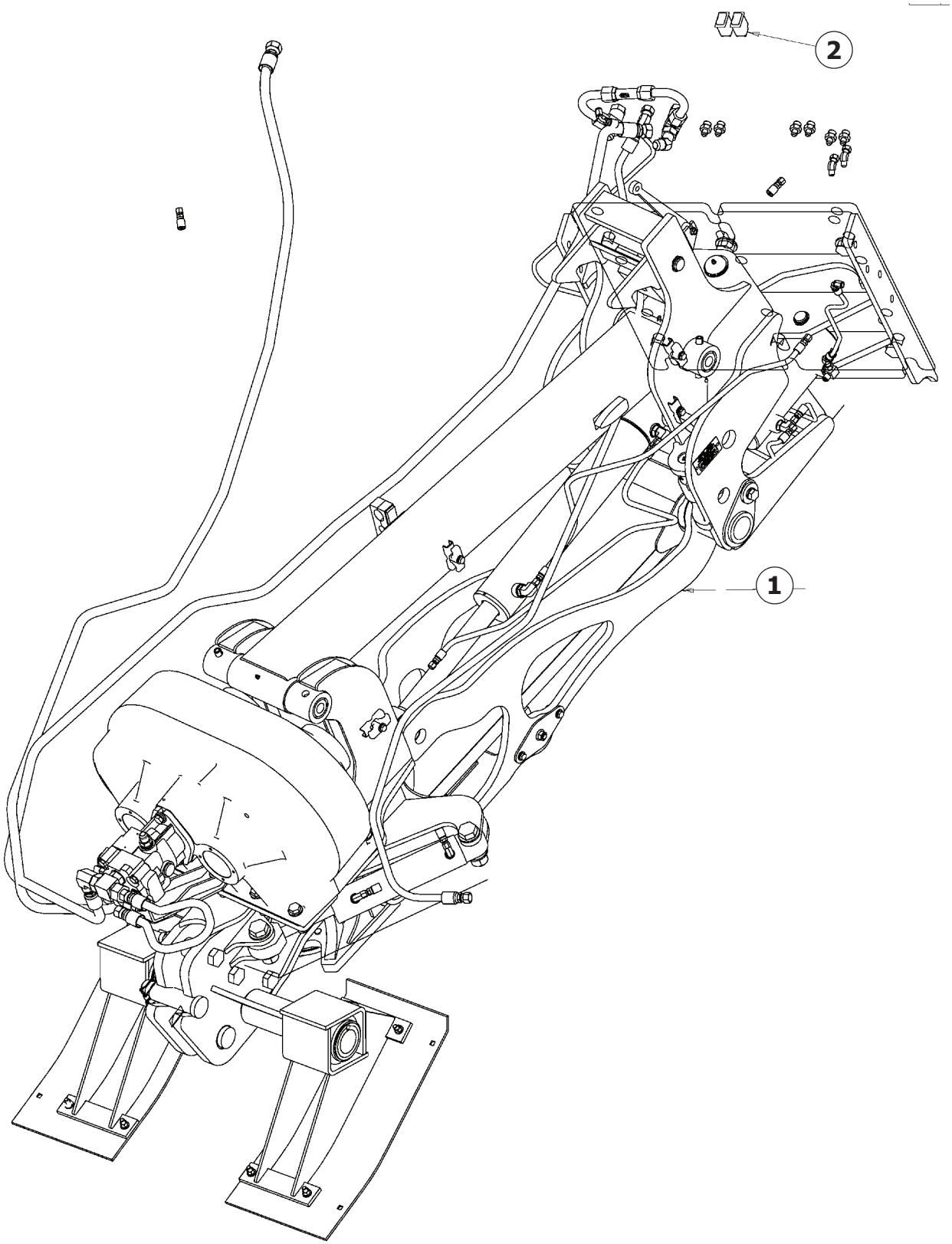
PLOW ASSEMBLY - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118940	PLOW ASSEMBLY - P95	1
1	AU119112	PLOW - P95	1
2	AU108359	ASSEMBLY - Weight	1


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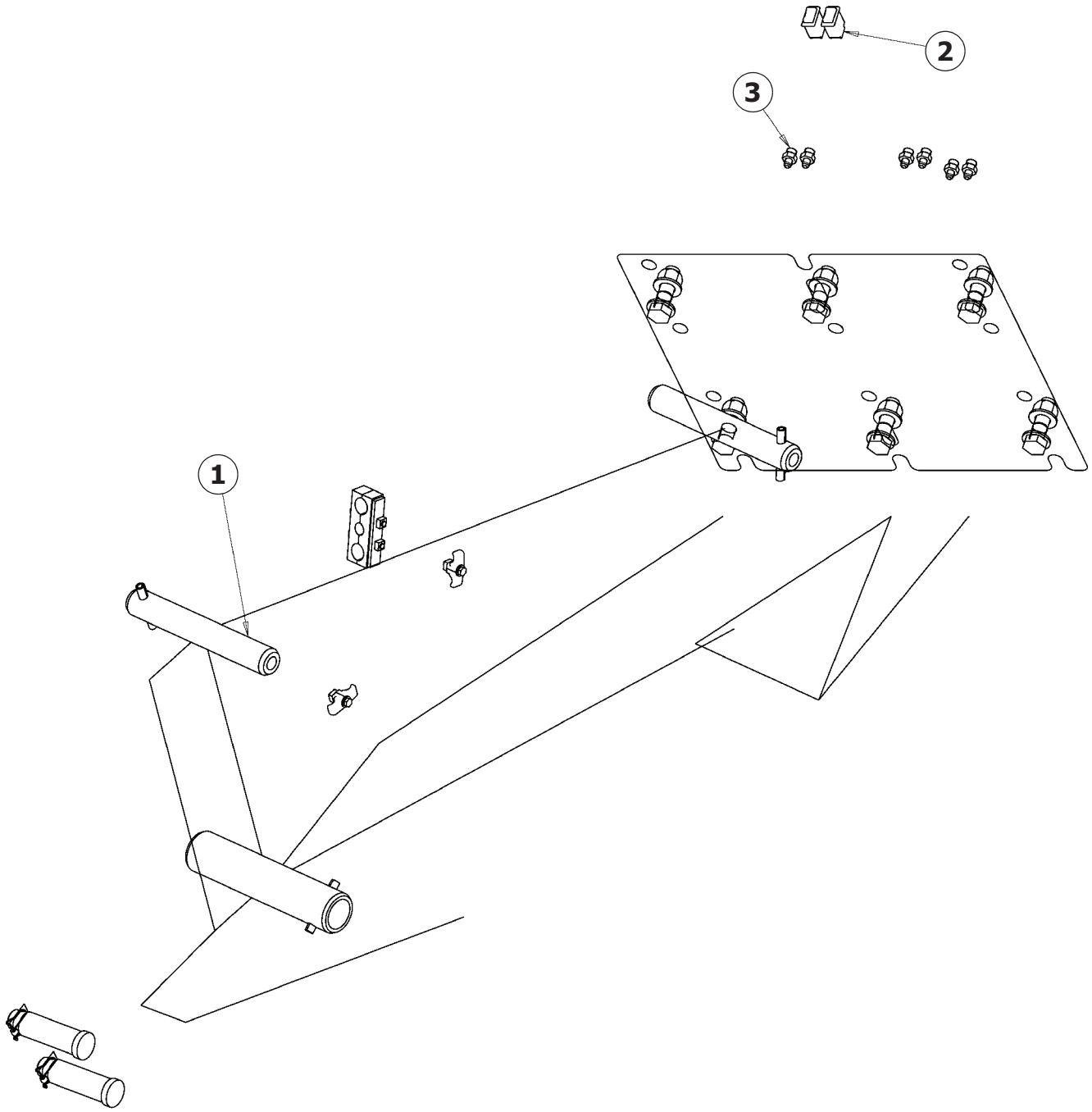
WEIGHT ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108359	ASSEMBLY - Weight	1
1	232-41116	NUT - Prev Trq 1" GRC CAD Direct	2
2	426-16136	BOLT - Hex Hd 1.00 x 8.50 GR8 Znd	6
3	AU115741	ASSEMBLY - Counter Weight	1
4	H426833	WASHER - H.T. (1" Bolt)	2


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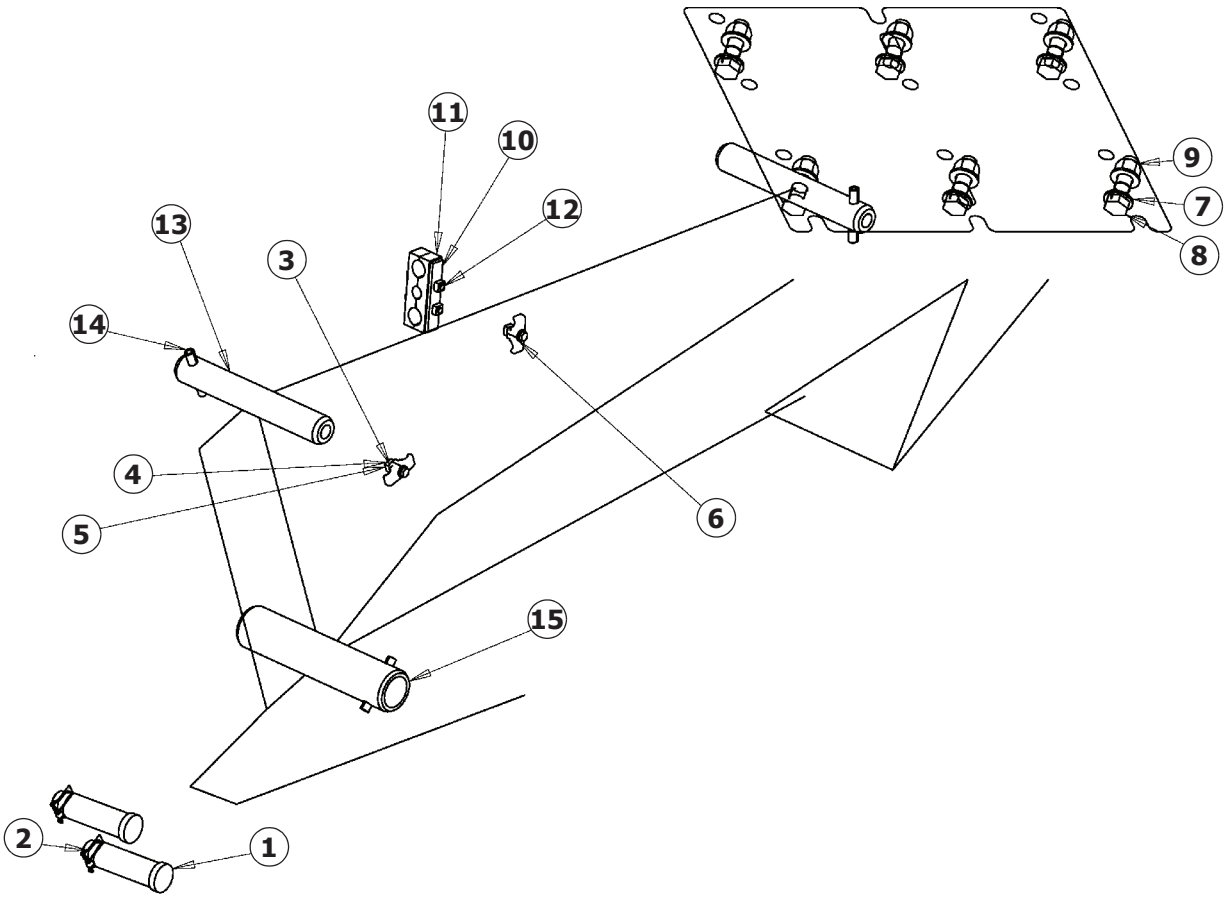
P95 PLOW

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119112	ASSEMBLY - Basic Plow	1
1	H833229	PLOW - Basic, P95	1
2	AU123324	KIT - Attachment, P95 Plow	1


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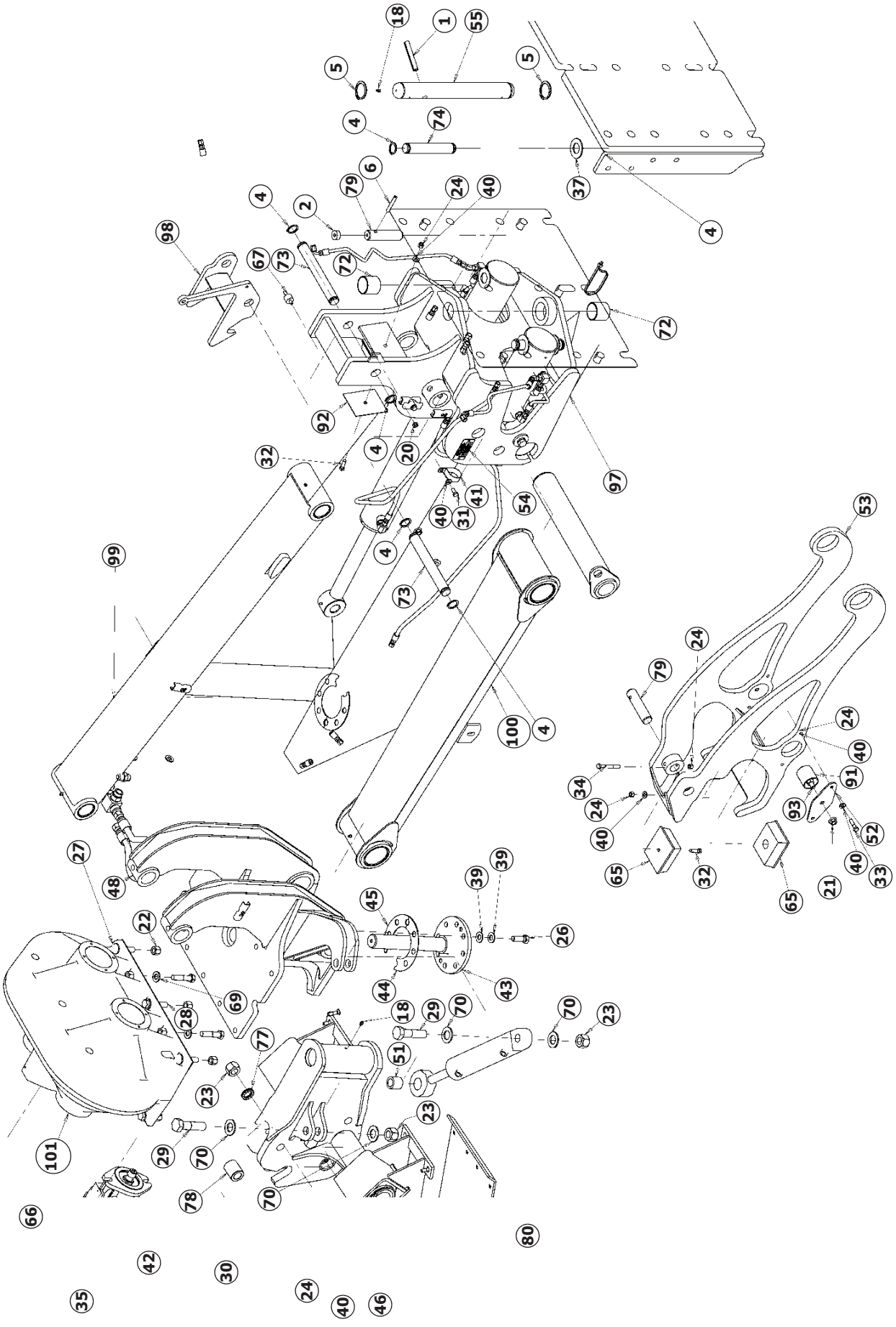
PLOW ATTACHMENT KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU123324	KIT - Attachment, P95 Plow	1
1	H833210	KIT - Attachment, Plow	1
2	AU113662	SWITCH - Rocker, ON-OFF, 2-Pole	2
3	218-5058	CONNECTOR - Str Thd 3/8, 37FL -ORB 1/2	6


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PLOW ATTACHMENT KIT - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
	H833210	KIT - Attachment, Plow	1
1	AU123180	PIN - Blade Mounting	2
2	D130037	PIN - Klik	2
3	D120679	RETAINER - Hose	2
4	426-624	BOLT - Hex Hd 0.375 x 1.50 GR8 ZND	2
5	224-2246	NUT - Square 3/8 - 16 UNC GR2 ZND	4
6	496-21041	WASHER - 0.406 x 0.812 x 0.089 in Hdn ZND	4
7	H426833	WASHER - HT, 1" Bolt	12
8	426-1656	BOLT - Hex Hd 1.00 x 3.50 GR8 ZND	6
9	232-41116	NUT - Prev Trq 1" GRC CAD DIRECT	6
10	H438204	CLAMP - Bar	1
11	H439256	CLAMP - Hydraulic Hose Block	2
12	426-644	BOLT - Hex Hd 0.375 x 2.75 GR8 ZND	2
13	H436862	PIN - Plow Arm, Upper	2
14	38-34064	PIN - Coiled Spr 0.625 x 4.000 in Pln	3
15	H436864	PIN - Plow Arm, Lower Rear	1
16	8-60603	INSTRUCTIONS - Installation	1

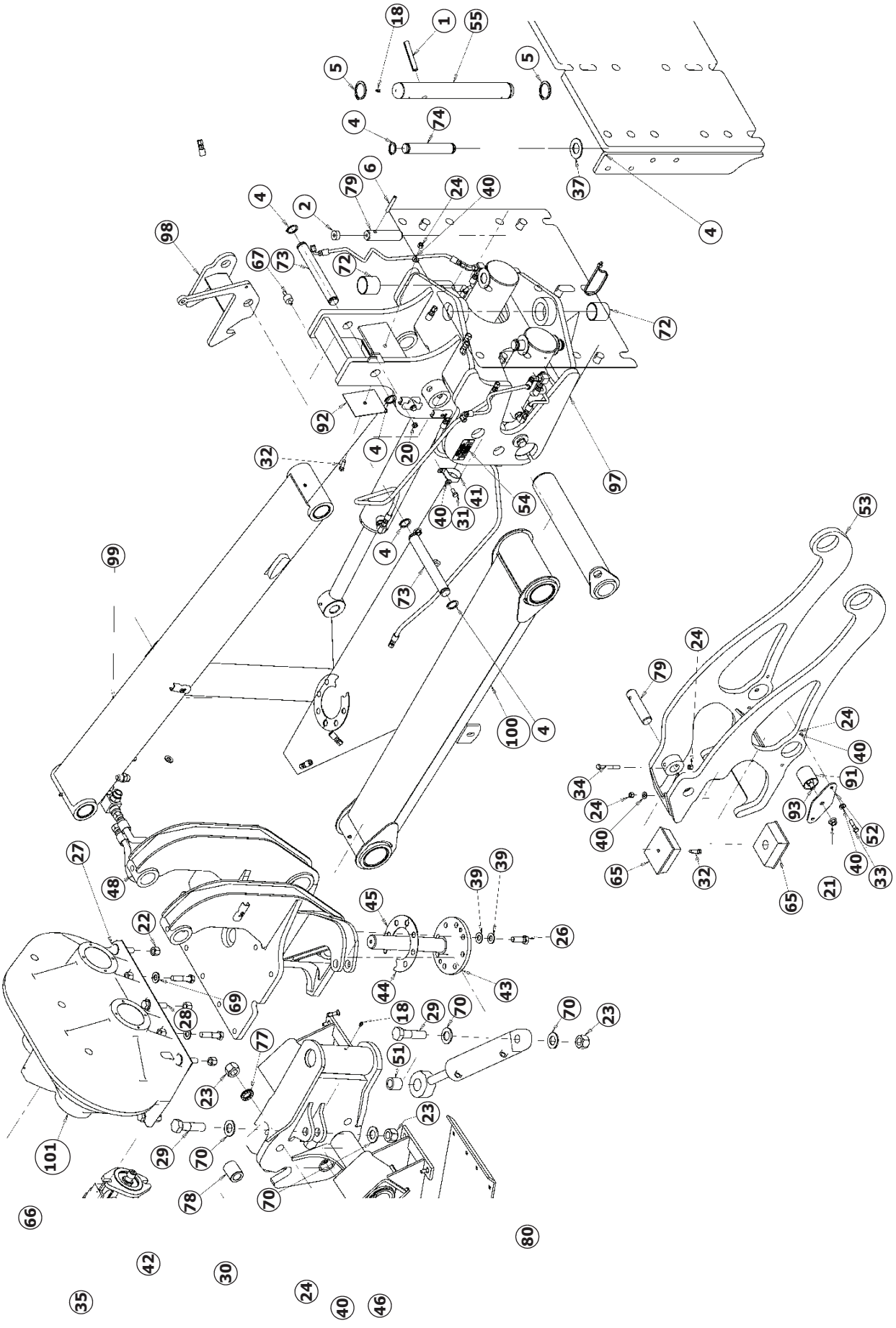

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H833229-2_B

PLOW - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
	H833229	PLOW - P95	1
1	38-34064	PIN - Coiled Spr 0.625 x 4.000 in Pln	1
2	41-1020	PLUG - Hdls Sq Skt Pipe 1.0 NPTF Pln	2
3	91-203003-12-16S	FITTING - Hyd Special	1
4	103-16125	RING - Retainer	8
5	103-16200	RING - Retainer	2
6	138-2068	PIN - 3/8 x 2-1/2 HD Spirol	2
7	218-5062	CONNECTOR - Str Thd 5/8, 37FL - ORB 5/8	1
8	218-5105	ELBOW - 90 Adj 37FL, 3/8 Tube	2
9	218-5108	ELBOW - 90 Adj 37FL, 3/4 Tube	1
10	218-5121	ELBOW - 90 Adj 37FL, 1/2 x 5/8 Tube	1
11	218-5128	ELBOW - 90 Adj 37FL, 3/8 x 1/2 Tube	2
12	218-5172	ELBOW - 90 Swivel 37FL, 3/8 Tube	4
13	218-5174	ELBOW - 90 Swivel 37FL, 5/8 Tube	1
14	218-5175	ELBOW - 90 Swivel 37FL, 3/8Tube	1
15	218-5281	ELBOW - 90 Adj 37FL, 3/8 x 5/8 Tube	2
16	218-5382	ELBOW - 90 Swivel 37FL, 3/4 x 1.0 Tube	1
17	218-5412	TEE - Swivel Run 37FL, 3/4 x 1.0 x 3/4	2
18	219-8	FITTING - Lube 1/4 - 28 Tpr SAE-LT 0.54 Long	3
19	224-2246	NUT - Square 3/8 - 16 UNC GR2 ZND	2
20	231-5145	NUT - Serr Flg 5/16 - 18 UNC GR5 ZND	1
21	231-5148	NUT - Serr Flg 1/2 - 183 UNC GR5 ZND	4
22	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	10
23	232-41116	NUT - Prev Trq 1" GRC CAD Direct	5
24	232-4116	NUT - Prev Trq 3/8 GRC CAD Direct	16
25	419-2624	BOLT - Plow	8
26	426-1028	BOLT - Hex Hd 0.625 x 1.75 GR8 ZND	9
27	426-1044	BOLT - Hex Hd 0.625 x 2.75 GR8 ZND	8
28	426-1048	BOLT - Hex Hd 0.625 x 3.00 GR8 ZND	2
29	426-1660	BOLT - Hex Hd 1.000 x 3.75 GR8 ZND	2
30	426-1696	BOLT - Hex Hd 1.000 x 6.00 GR8 ZND	3
31	426-612	BOLT - Hex Hd 0.375 x 0.75 GR8 ZND	1
32	426-620	BOLT - Hex Hd 0.375 x 1.25 GR8 ZND	3
33	426-624	BOLT - Hex Hd 0.375 x 1.50 GR8 ZND	5
34	426-648	BOLT - Hex Hd 0.375 x 3.00 GR8 ZND	1
35	426-828	BOLT - Hex Hd 0.500 x 1.75 GR8 ZND	2
36	492-11062	WASHER - Spring Lock Reg 0.625 in ZND	1
37	495-81209	WASHER - 1.312 x 2.500 x 0.134 in CST ZND	4
38	495-81259	WASHER - 0.656 x 1.000 x 0.245 in CST ZND	1
39	496-11066	WASHER - 0.656 x 1.312 x 0.095 in CST ZND	16
40	496-21041	WASHER - 0.406 x 0.812 x 0.089 in CST ZND	23
41	515-23444	CLAMP - Insul 44.4 mm 3/8 in Bolt ZND	1
42	87430032	MOTOR - Fixed Displacement, 44CU-15T	1
43	104797A2	AXLE - Swivel Pivot	1
44	104799A2	SHIM - Plow Pivot	2
45	105866A2	SHIM - Plow Pivot	2
46	105966A1	WELDMENT - Blade, Mount	1
47	107330A1	ASSEMBLY - Tube, Tee to Check Valve	2
48	108915A3	WELDMENT - Frame, Shaker	1

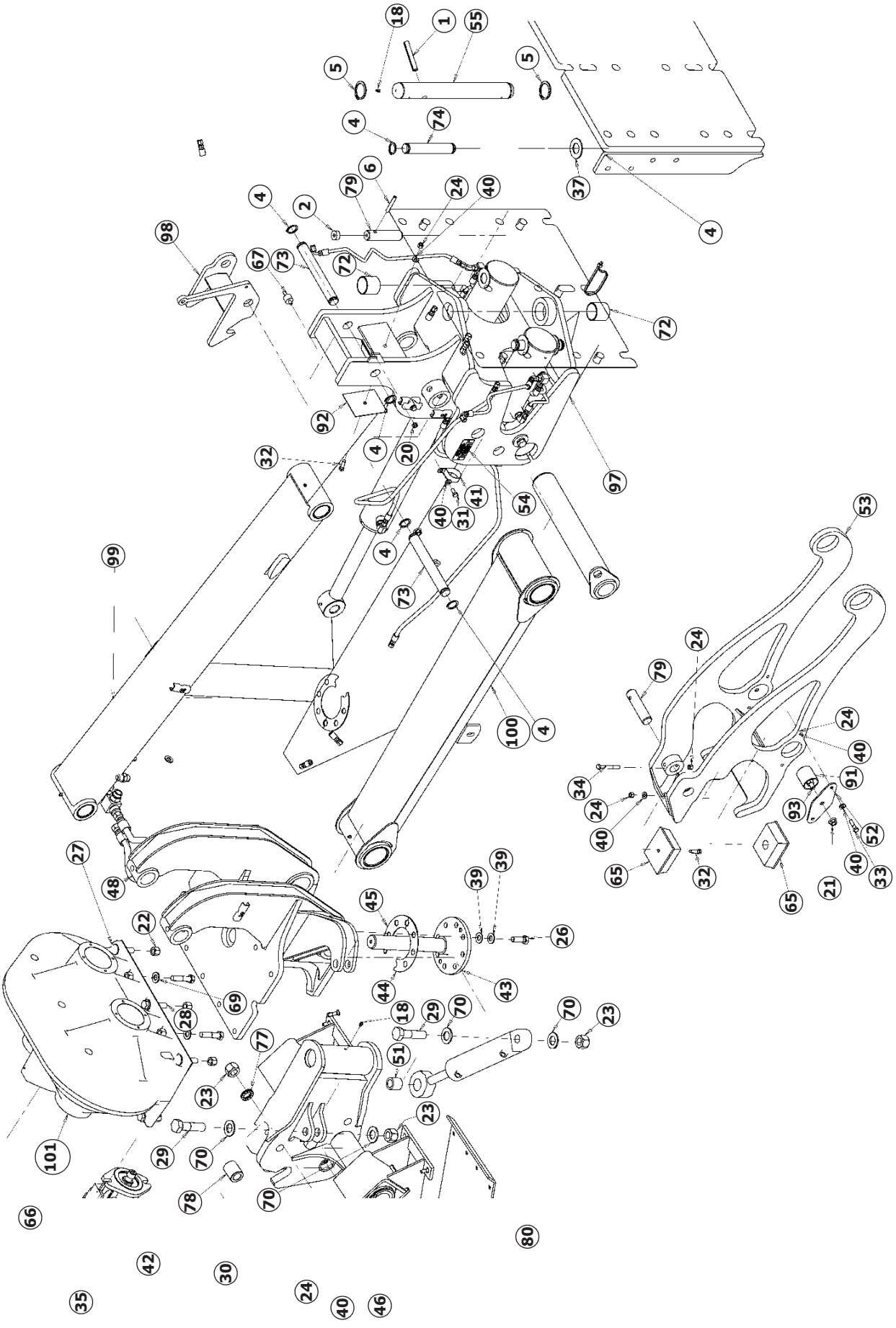
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PLOW - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
	H833229	PLOW - P95	1
49	111620A2	CYLINDER - Barrel, Blade	1
50	111620A2	CYLINDER - Rod, Blade	1
51	114879A1	TUBE - Spacer, Rod End	1
52	116158A1	PLATE - Isolator Mounting	2
53	116328A1	WELDMENT - Cradle, Plow Lift	1
54	AU100572	PLATE - Serial Number	1
55	AU101824	PIN - Plow Swing	1
56	AU104193	FASTENER - Steel Tack	2
57	AU106510	BRACKET - P95 Motor Mount	1
58	AU113437	SPACER - Pin Flag	1
59	AU117872	WELDMENT - Mounting, Plow	1
60	AU121737	CYLINDER - Barrel, Plow Lift	1
61	AU121737	CYLINDER - ROD, Plow Lift	1
62	AU123308	PIN - Flagged	1
63	D120679	RETAINER - Hose	1
64	D131789	SLEEVE - Hose Protector	1
65	D90990	BUMPER - Boom	3
66	H274894	WASHER - Flat, Special	4
67	H359216	MOUNT - Isolation	1
68	H362418	ASSEMBLY - Hydraulic Hose	2
69	H426809	WASHER - H.T. (5/8" Bolt)	10
70	H426833	WASHER - H.T. (1" Bolt)	4
71	H428623	FITTING - Hydraulic, Special	2
72	H433644	BEARING - Pivot	2
73	H434493	PIN - Plow Lift Cylinder, Barrel End	2
74	H434801	PIN - Plow Reel Carrier	2
75	H435080	ASSEMBLY - Hose	1
76	H435080	ASSEMBLY - Hose	1
77	H435357	WASHER - 1 Inch Disc-Lock	3
78	H435475	SPACER - Tube	3
79	H436865	PIN	3
80	H437946	PLATE - Wear, Plow Shoe	2
81	H437953	ASSEMBLY - Hose	1
82	H438000	ASSEMBLY - Hydraulic Hose	1
83	H438084	ASSEMBLY - Hose	1
84	H438196	ASSEMBLY - Hose	1
85	H438196	ASSEMBLY - Hose	1
86	H438198	ASSEMBLY - Hose	1
87	H438199	FITTING	1
88	H438201	ASSEMBLY - Hydraulic Hose	1
89	H438203	SLEEVE - Hose Protector	1
90	H438500	SLEEVE - Hose Protector	1
91	H438533	MOUNT - Isolator	2
92	H438536	SHIM - Bumper	3
93	H438537	STUD - 1/2 UNC	4
94	H439323	ADAPTER - Tube IPC, 37FL 1.0 x 1/2	1
95	H673704	CYLINDER - Barrel	2
96	H673704	CYLINDER - Rod	2

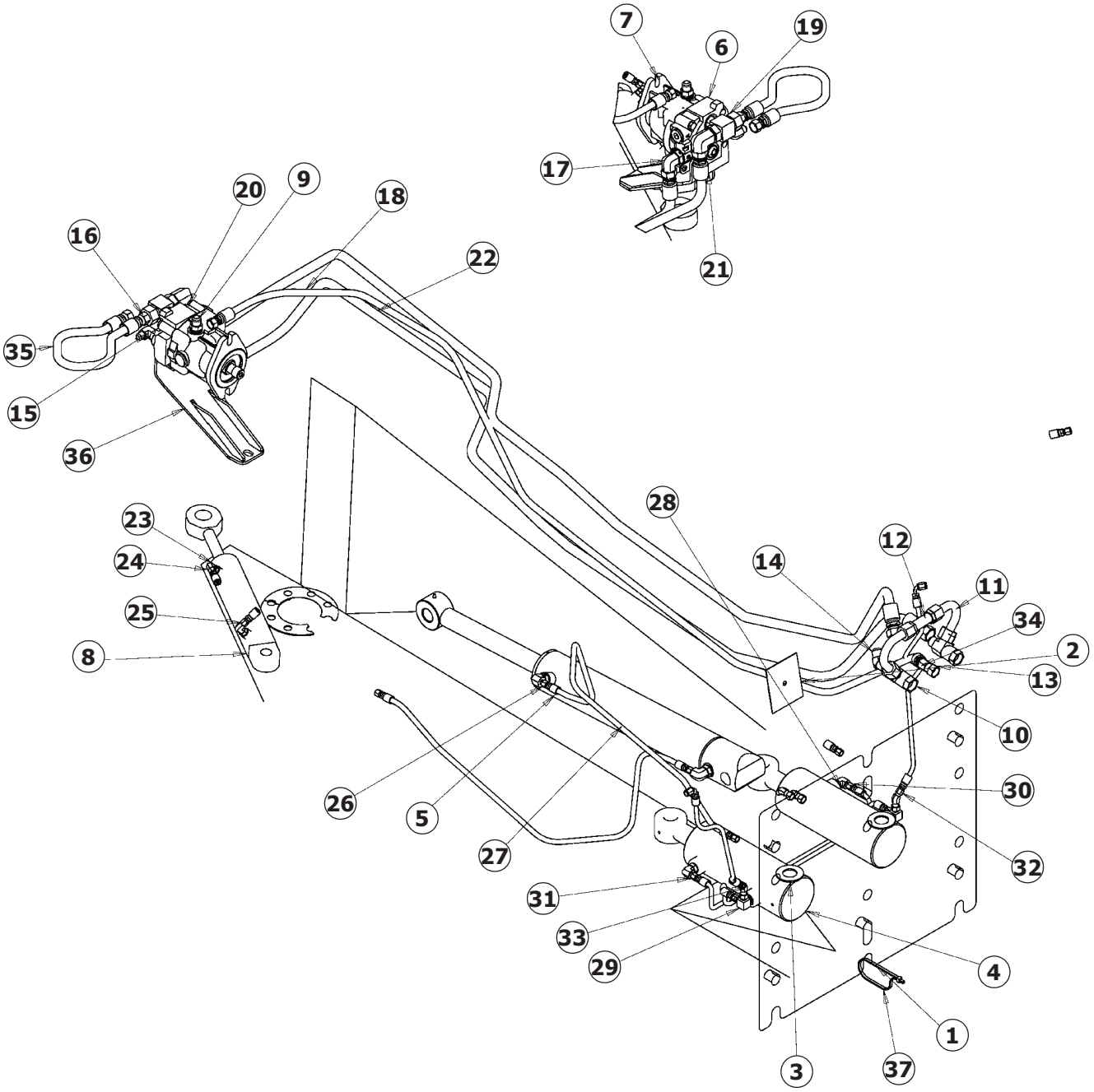
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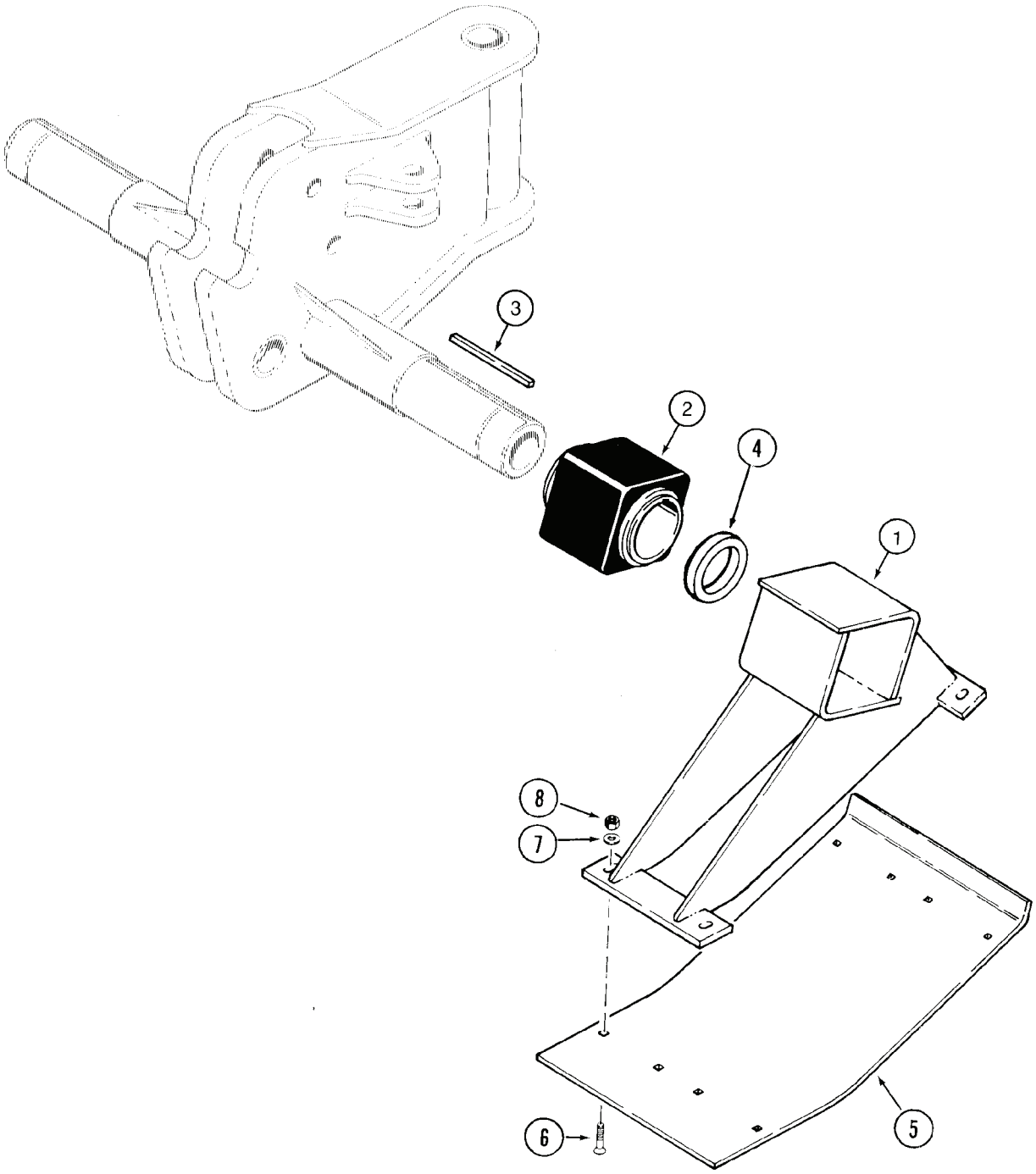
PLOW - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
	H833229	PLOW - P95	1
97	H673803	WELDMENT - Frame, Swing	1
98	H673804	WELDMENT - Transport Latch	1
99	H673808	WELDMENT - Arm, Plow Upper	1
100	H673809	WELDMENT - Arm, Plow Lower	1
101	H674911	ASSEMBLY - Shaker, Plow, Heavy	1
102	L126503	VALVE - Check	1
103	L18331	TIE - Hose	2


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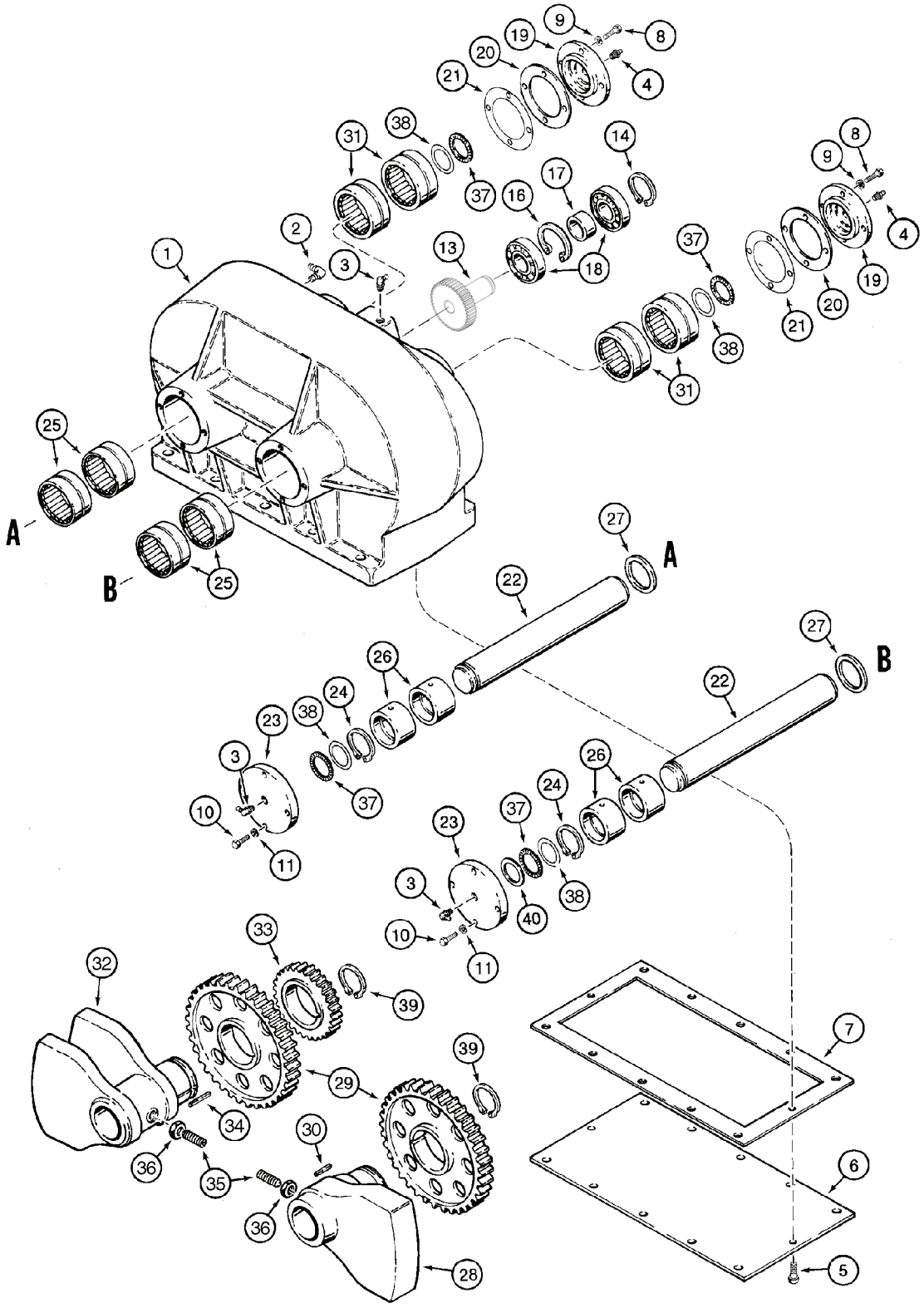
PLOW - P95

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H833229	PLOW - P95	1
2	H438536	SHIM - Bumper	1
3	495-81209	WASHER - 1.312 x 2.500 x 0.134 in CST ZND	2
4	H673704	CYLINDER	2
5	AU121737	CYLINDER	1
6	87430032	MOTOR - Fixed Displacement	1
7	H274894	WASHER - Flat, Special	1
8	111620A2	CYLINDER	1
9	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	1
10	218-5412	TEE - Swivel Run, 37FL, 3/4 x 1.0 x 3/4	2
11	107330A1	TUBE - Tee to Check Valve	2
12	L126503	VALVE - Check	1
13	218-5174	ELBOW - 45 Swivel 37FL, 5/8 Tube	1
14	218-5175	ELBOW - 45 Swivel 37FL, 3/4 Tube	1
15	218-5121	ELBOW - 90 Adj 37FL, 1/2 x 5/8 Tube	1
16	91-203003-12-16S	FITTING - Hydraulic, Special	1
17	218-5108	ELBOW - 90 Adj 37FL, 3/4 Tube	1
18	H438084	HOSE - Hydraulic	1
19	H439323	ADAPTER - Tube, IPC, 37FL 1.0 x 1/2	1
20	218-5382	ELBOW - 90 Swivel 37FL, 3/4 x 1 Tube	1
21	H438196	HOSE - Hydraulic	1
22	H438196	HOSE - Hydraulic	1
23	218-5105	ELBOW - 90 Adj 37FL, 3/8 Tube	2
24	H438199	FITTING - Hydraulic, Special	1
25	H438198	HOSE - Hydraulic	1
26	218-5281	ELBOW - 90 Adj 37FL, 3/8 x 5/8 Tube	2
27	H362418	HOSE - Hydraulic	2
28	218-5128	ELBOW - 90 Adj 37FL, 3/8 x 1/2 Tube	2
29	H428623	FITTING - Hydraulic, Special	2
30	H435080	HOSE - Hydraulic	1
31	H435080	HOSE - Hydraulic	1
32	218-5172	ELBOW - 45 Swivel 37FL, 3/8 Tube	4
33	H438000	HOSE - Hydraulic	1
34	H438201	HOSE - Hydraulic	1
35	H437953	HOSE - Hydraulic	1
36	AU106510	BRACKET - Motor Mount	1
37	L18331	TIE - Hose	2


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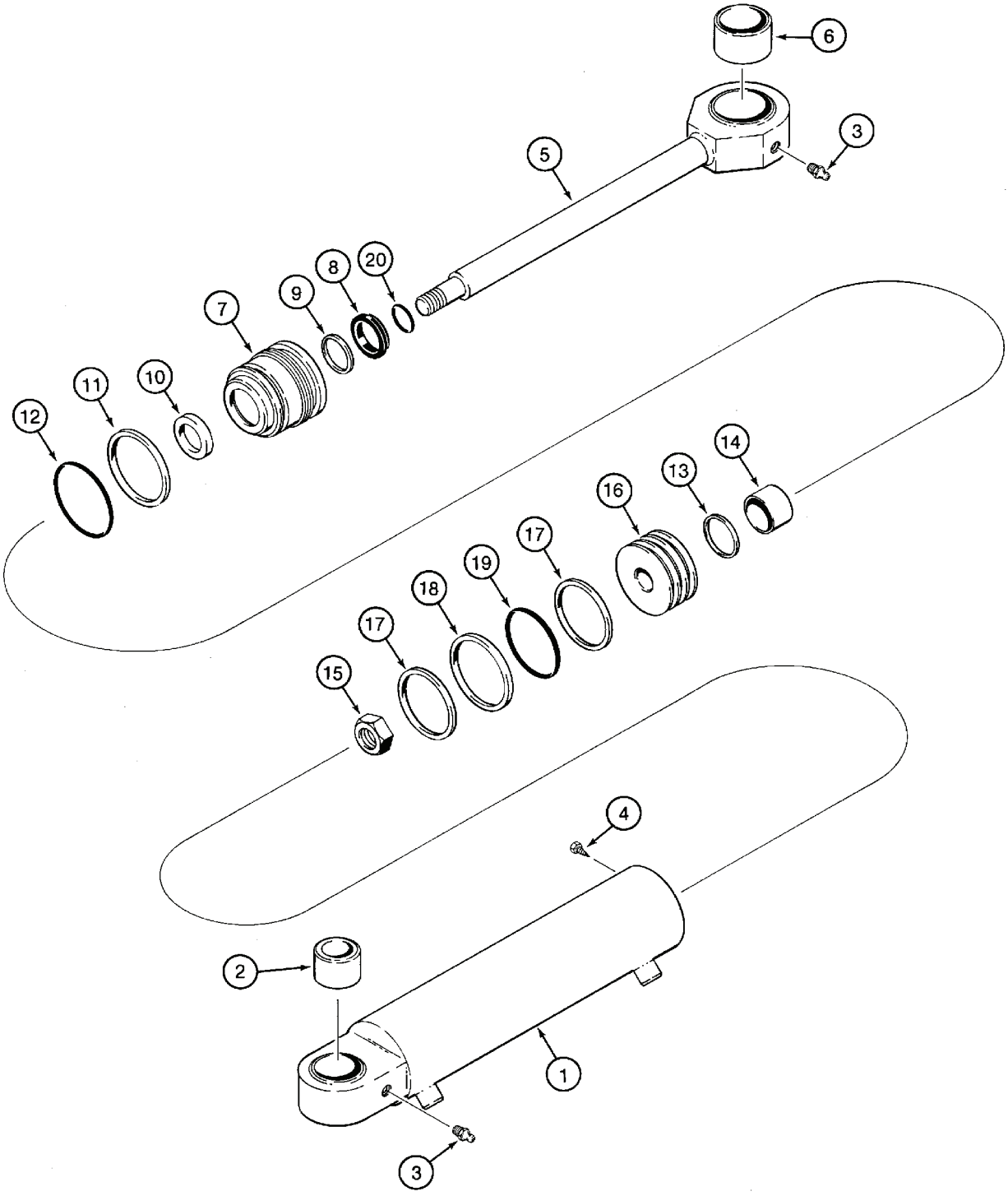
PLOW - SKID SHOES AND PLATES

REF.	PART NO.	DESCRIPTION	REQ'D.
	H674485	ASSEMBLY - Shoe (Includes items 1 & 2)	2
1	H674486	SHOE	1
2	H230862	MOUNT - Rubber	1
3	H386482	KEY - Square	2
4	103-11300	RING - Retaining	2
5	H437946	PLATE	2
6	419-2624	BOLT - 3/8 x 1-1/2	8
7	496-21041	WASHER - 13/32 x 13/16 x 3/32	8
8	232-4116	NUT - Lock, 3/8	8


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PLOW - GEARBOX ASSY

REF.	PART NO.	DESCRIPTION	REQ'D.
	H674911	GEARBOX	1
1	H434378	HOUSING	1
2	222-763	ELBOW - 90, 7/16 FL x 1/4 PT	1
3	219-57	FITTING - Grease, 1/4 TPR x 3/4	3
4	219-8	FITTING - Grease, 1/4 TPR x 17/32	2
5	426-612	BOLT - 3/8 x 3/4	2
6	H436310	PLATE	1
7	H146464	GASKET - Housing	1
8	426-516	BOLT - 5/16 x 1	8
9	492-11031	WASHER - Lock, 5/16	8
10	426-516	BOLT - 5/16 x 1	8
11	492-11031	WASHER - Lock, 5/16	8
13	441876A1	GEAR - Shaft Assembly	1
14	100-16156	RING - Snap	1
16	100-21315	RING - Snap, # 315	1
17	H189795	SPACER - Bearing	1
18	H753194	BEARING - Ball, Drive Shaft	2
19	H436676	CAP	2
20	H151779	SHIM - 0.127 mm	AR
21	H151787	SHIM - 0.381 mm	AR
22	H436675	SHAFT	2
23	103329A1	CAP	2
24	100-18250	RING - Retaining, # 250	2
25	H759123	BEARING - Roller, Matched Set	2
26	H759125	RACE	2
27	H147934	SPACER	2
28	H438979	COUNTERWEIGHT - Single, Shaft	1
29	H434403	GEAR - Driven	2
30	H43380	KEY - Square	1
31	H759124	BEARING - Roller	2
32	H438980	COUNTERWEIGHT - Divided	1
33	H434402	GEAR - Driven	1
34	H434406	KEY - Square	1
35	83-66232	SETSCREW - 5/8 x 2	2
36	425-1410	NUT - 5/8	2
37	A54022	BEARING - Thrust	4
38	H147785	WASHER - Thrust	AR
39	100-11325	RING - Snap	2
40	H147793	WASHER - Thrust	UAR


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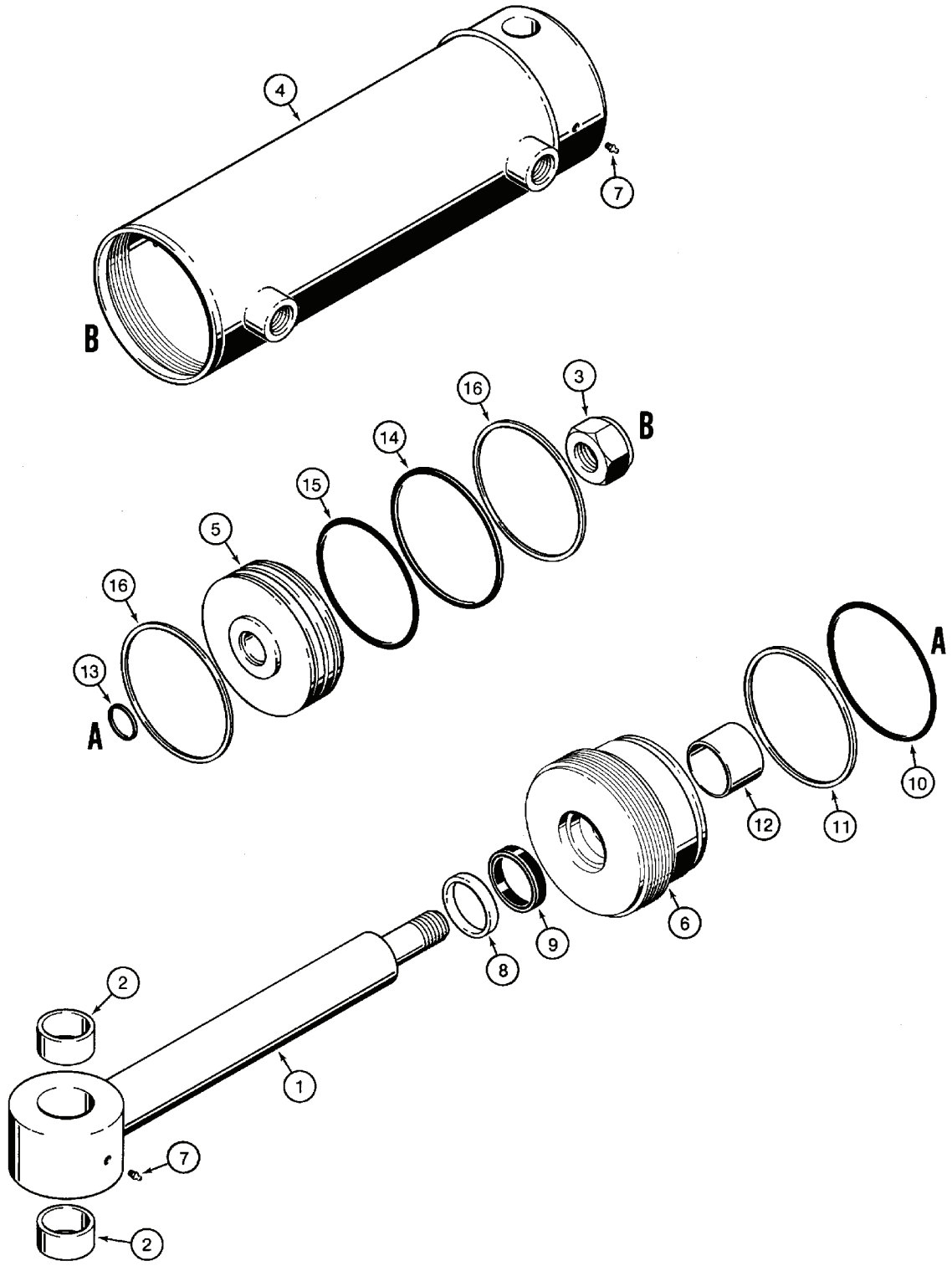
CYLINDER ASSY - STEERING, PLOW BLADE

REF.	PART NO.	DESCRIPTION	REQ'D.
	111620A2	ASSEMBLY - Cylinder, 64 ID x 203 mm (Includes items 1 - 20)	1
1	119353A2	TUBE - Cylinder	1
2	119364A1	BUSHING	1
3	219-1	FITTING - Grease, 1/8 PT x 21/32	2
	119375A1	KIT - Seal (Includes items 4, 8 - 14, 17 - 20)	1
4	276-2446	SCREW - 8 x 3/8	1
5	119357A2	ROD	1
6	119366A1	BUSHING	1
7	119360A1	GLAND - Cylinder	1
8	NSS	WIPER - Piston Rod	1
9	NSS	SEAL	1
10	NSS	SEAL - Buffer	1
11	NSS	RING - Backup	1
12	NSS	O-RING	1
13	NSS	RING	1
14	NSS	RING - Wear	1
15	231-41310	NUT	1
16	119367A1	PISTON	1
17	NSS	RING - Wear	2
18	NSS	SEAL - Piston	1
19	NSS	O-RING	1
20	NSS	O-RING - Piston Rod	1



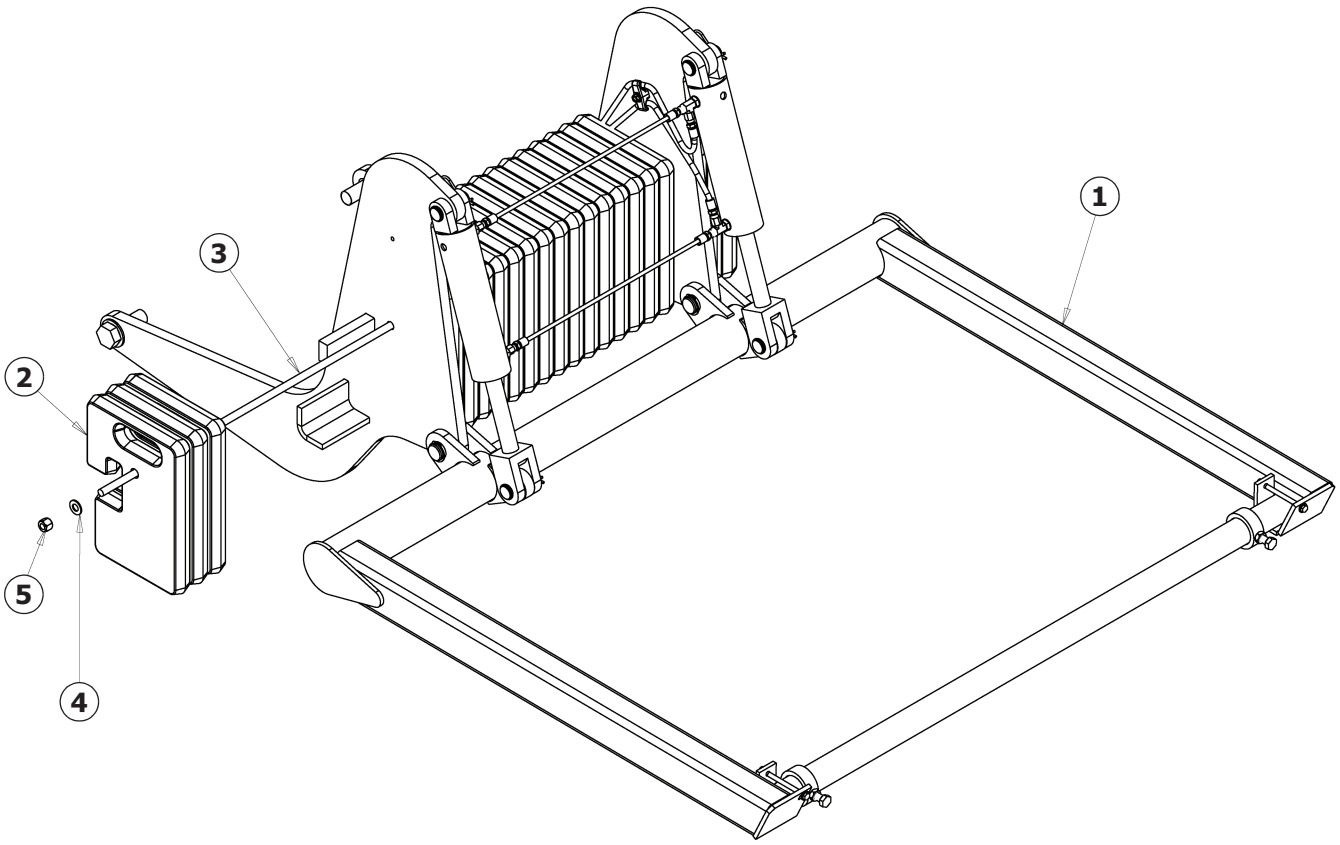
CYLINDER ASSY - PLOW LIFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU121737	ASSEMBLY - Cylinder (Includes items 1 - 16)	1
1	AU121883	TUBE - Cylinder	1
2	AU121885	GLAND - Cylinder	1
3	AU121888	KIT - Seal Repair, Gland	1
4	AU121886	KIT - Seal Repair, Piston	1
5	AU121884	ROD	1
6	AU121887	PISTON	1
7	AU121889	NUT - Lock, 7/8 NF	1


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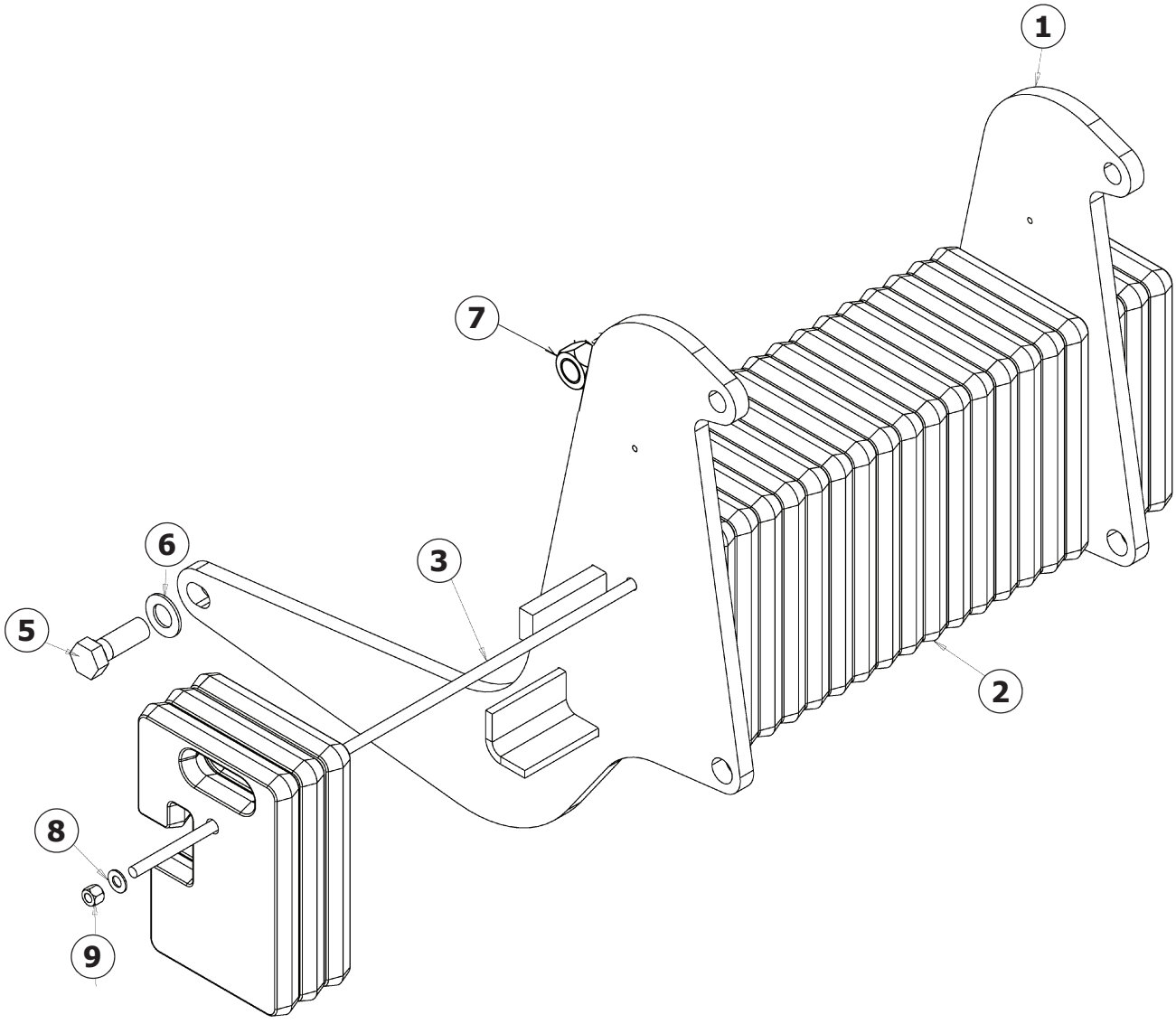
CYLINDER ASSY - PLOW SWING

REF.	PART NO.	DESCRIPTION	REQ'D.
	H673704	ASSEMBLY - Cylinder, 102 ID x 152 mm (Includes items 1 - 16)	2
1	N14835	ROD	1
2	107115A1	BUSHING	2
3	232-24020	NUT - Lock, 1-1/4 NF	1
4	H436771	TUBE - Cylinder	1
5	N14850	PISTON	1
6	N14836	GLAND - Cylinder	1
7	219-20	FITTING - Grease, 1/4 NF x 1/2	2
	N14838	KIT - Seal Repair (Includes items 8 - 16)	1
8	NSS	WIPER - Piston Rod	1
9	NSS	SEAL - U-Cup	1
10	NSS	O-RING	1
11	NSS	RING - Backup	1
12	NSS	RING - Wear	1
13	NSS	O-RING - Piston Rod	1
14	NSS	SEAL - Piston	1
15	NSS	O-RING - Piston	1
16	NSS	RING - Wear, Piston	2


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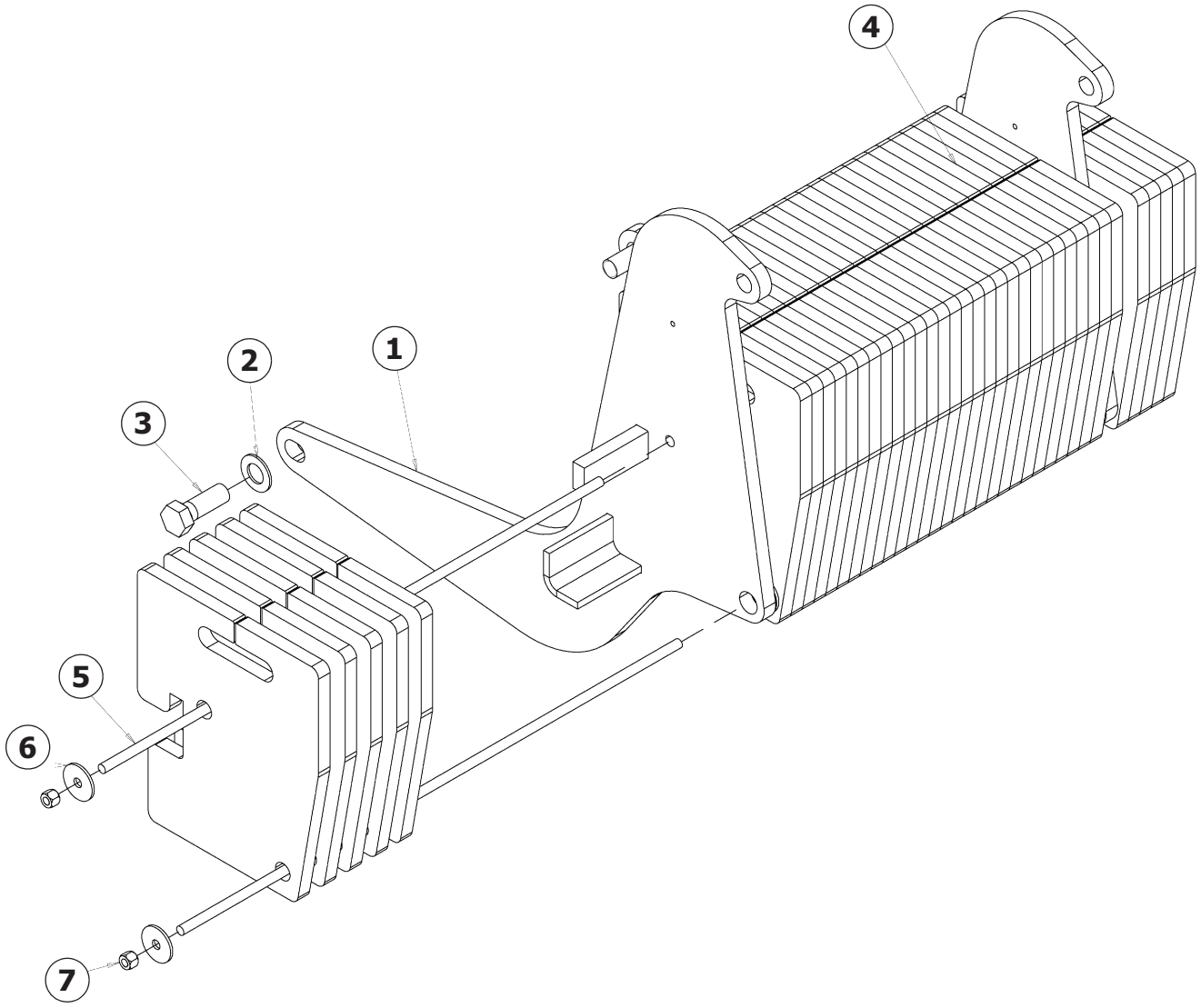
REEL CARRIER AND WEIGHTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118761	ASSEMBLY - Reel Carrier and Weights	1
1	AU118760	ASSEMBLY - Reel Carrier	1
2	109364A1	COUNTERWEIGHT	21
3	104279A1	ROD - Weight Retain	1
4	495-11066	WASHER - .656 x 1.312 x .095 in CST ZND	2
5	232-41110	NUT - Prev Trq 5/8 GRC CAD DIRECT	2


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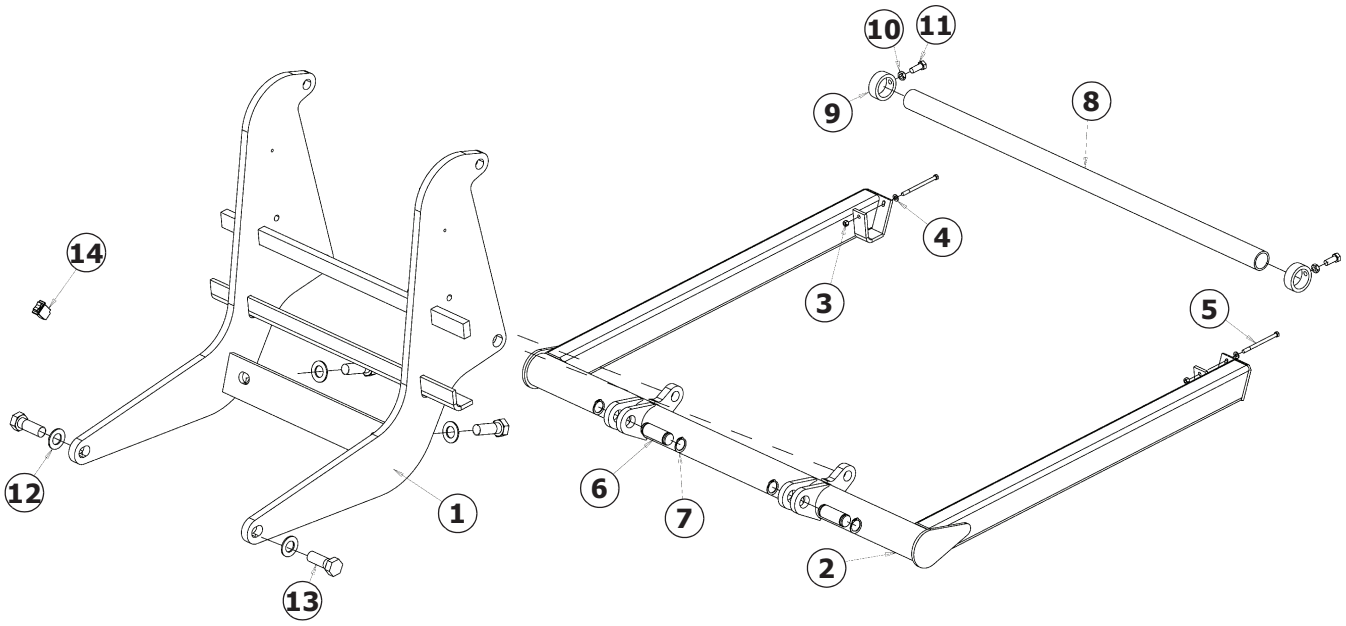
KIT, COUNTERWEIGHT, FRONT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118762	KIT - Counterweight, Front	1
1	AU118758	FRAME WELDMENT - Reel Carrier Mtg	1
2	109364A1	PLATE - Counterweight	22
3	104279A1	ROD - Weight Retainer	1
4	H829937	KIT - Installation, Weight Attachment (Items 5 - 10)	1
5	426-2056	BOLT - Hex Hd 1.25 - 7 x 3.50 GR8 ZND	4
6	H426858	WASHER - H.T. (1-1/4 inch Bolt)	4
7	232-41120	NUT - Hex. 1-1/4 HT	4
8	495-11066	WASHER - 0.656 x 1.312 x 0.095 in CST ZND	2
9	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	2
10	8-80430	INSTRUCTIONS - Installation	1


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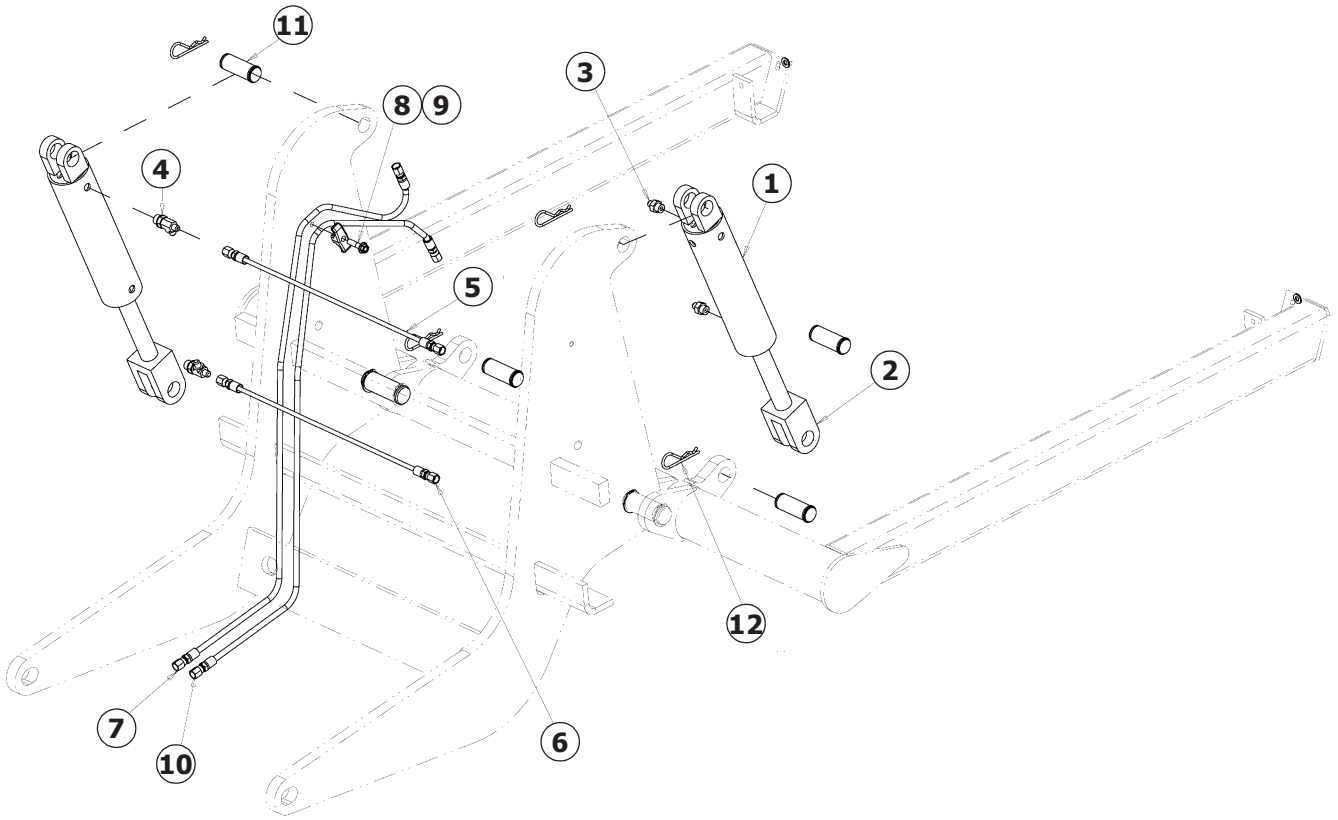
KIT, COUNTERWEIGHT, FRONT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118763	KIT - Counterweight, Front	1
1	AU118758	FRAME WELDMENT - Reel Carrier Mtg	1
2	H426858	WASHER - H.T. (1-1/4 inch Bolt)	4
3	426-2056	BOLT - Hex Hd 1.25 x 3.50 GR5 ZND	4
4	AU104916	PLATE - Counterweight	38
5	104279A1	ROD - Weight Retainer	2
6	496-81025	WASHER - 0.656 x 2.500 x 0.188 in CST ZND	8
7	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	4


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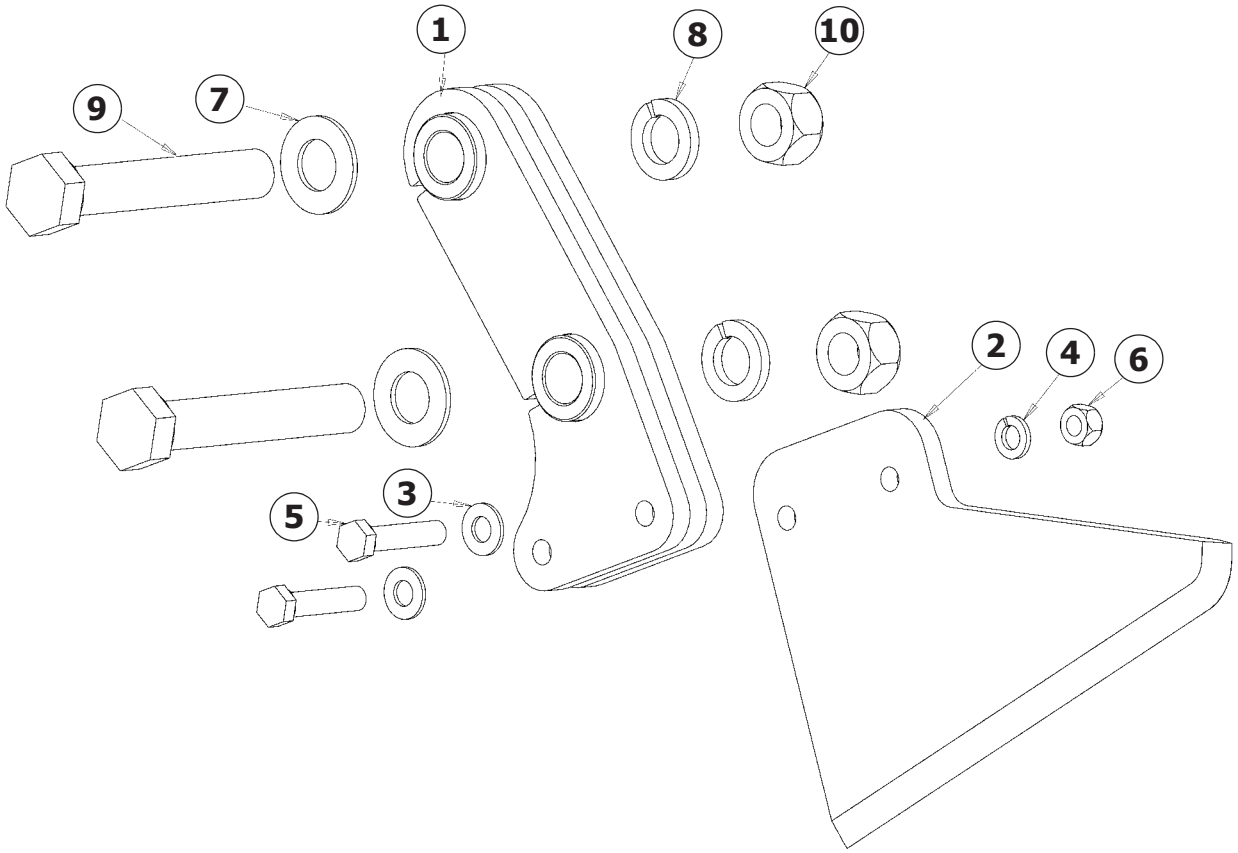
REEL CARRIER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118760	ASSEMBLY - Reel Carrier	1
1	AU118758	WELDMENT - Frame, Reel Carrier Mtg	1
2	H674972	WELDMENT - Arm, Reel Carrier	1
3	232-4116	NUT - Prev Trq 3/8 GRC CAD DIRECT	2
4	496-21041	WASHER - .406 x 0.812 x .089 in HDN ZND	2
5	426-684	BOLT - Hex Hd .375 x 5.25 GR8 ZND	2
6	H434262	PIN - Pivot	2
7	D25279	RING - Retainer	4
8	H434806	SPINDLE - Reel Carrier	1
9	H434807	COLLAR - Reel Carrier	2
10	425-1410	NUT - Hex Jam .625 - 11 GR5 ZND	2
11	426-1024	BOLT - Hex Hd .625 x 1.50 GR8 ZND	2
12	H426858	WASHER - H.T. (1-1/4 in Bolt)	4
13	426-2056	BOLT - Hex Hd 1.25 x 3.50 GR8 ZND	4
14	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1


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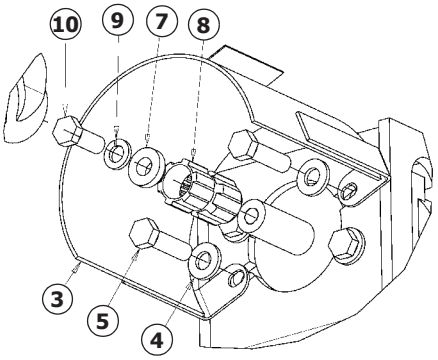
REEL CARRIER HYDRAULICS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118760	Assembly - Reel Carrier	2
1	AU118759	Cylinder Assy, Barrel, Reel Carrier Lift - 76 ID x 203 STRK	21
2	AU118759	Cylinder Assy, Rod, Reel Carrier Lift - 76 ID x 203 STRK	22
3	218-5058	Adapter - 9/16 FL x 3/4 OR (Includes item 22)	23
4	218-5581	Tee (Includes item 17)	24
5	104352A1	Hose - 590 mm (23-1/4 in)	15
6	104351A1	Hose - 622 mm (24-1/2 in)	16
7	AU114077	Assembly - Hydraulic Hose	17
8	D120679	Retainer - Hose	18
9	AU100331	Screw, Metric Flange w/Body - M10 x 40	19
10	AU114077	Assembly - Hydraulic Hose	110
11	AU119043	Pin - Hydraulic Cylinder	111
12	1978738C1	Pin - Cotter, Q.A.	112

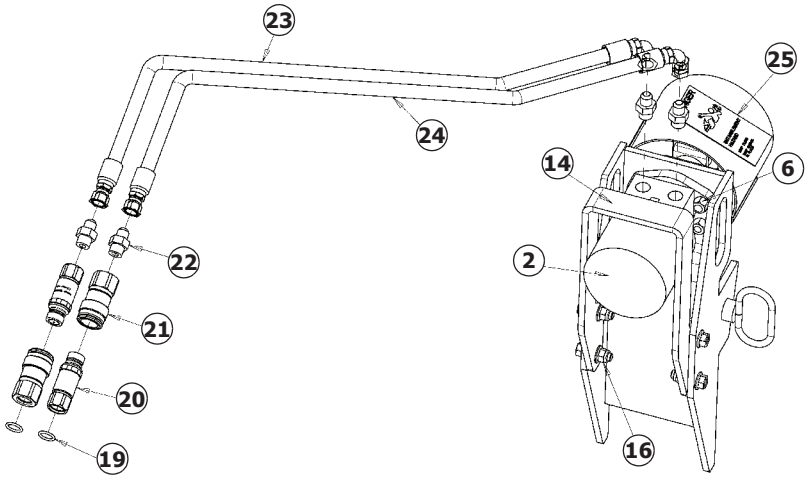

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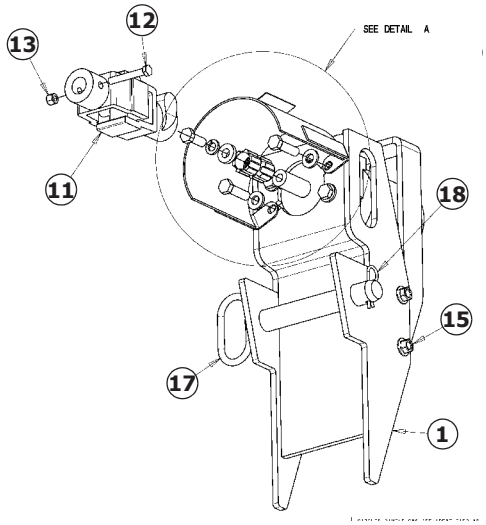
SOD CUTTER - P95 PLOW

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU104173	ASSEMBLY - Sod Cutter, P95 Plow	1
1	AU104157	WELDMENT - Sod Cutter Mount	1
2	AU104156	PLATE - Sod Cutter Blade	1
3	495-11053	WASHER - 0.531 x 1.062 x 0.095 in CST ZND	2
4	492-11050	WASHER - Spring Lock, Reg 0.500 in ZND	2
5	426-836	BOLT - Hex Hd - 0.500 x 2.25 GR5 ZND	2
6	425-108	NUT - Hex - 0.500 x 13 GR5 ZND	2
7	495-11106	WASHER - 1.062 x 2.00 x 0.134 in CST ZND	2
8	492-11100	WASHER - Spring Lock, Reg 1.000 in ZND	2
9	426-1696	BOLT - Hex Hd, 1.00 x 6.00 GR5 ZND	2
10	425-1016	NUT - Hex, 1.00 x 8 GR5 ZND	2


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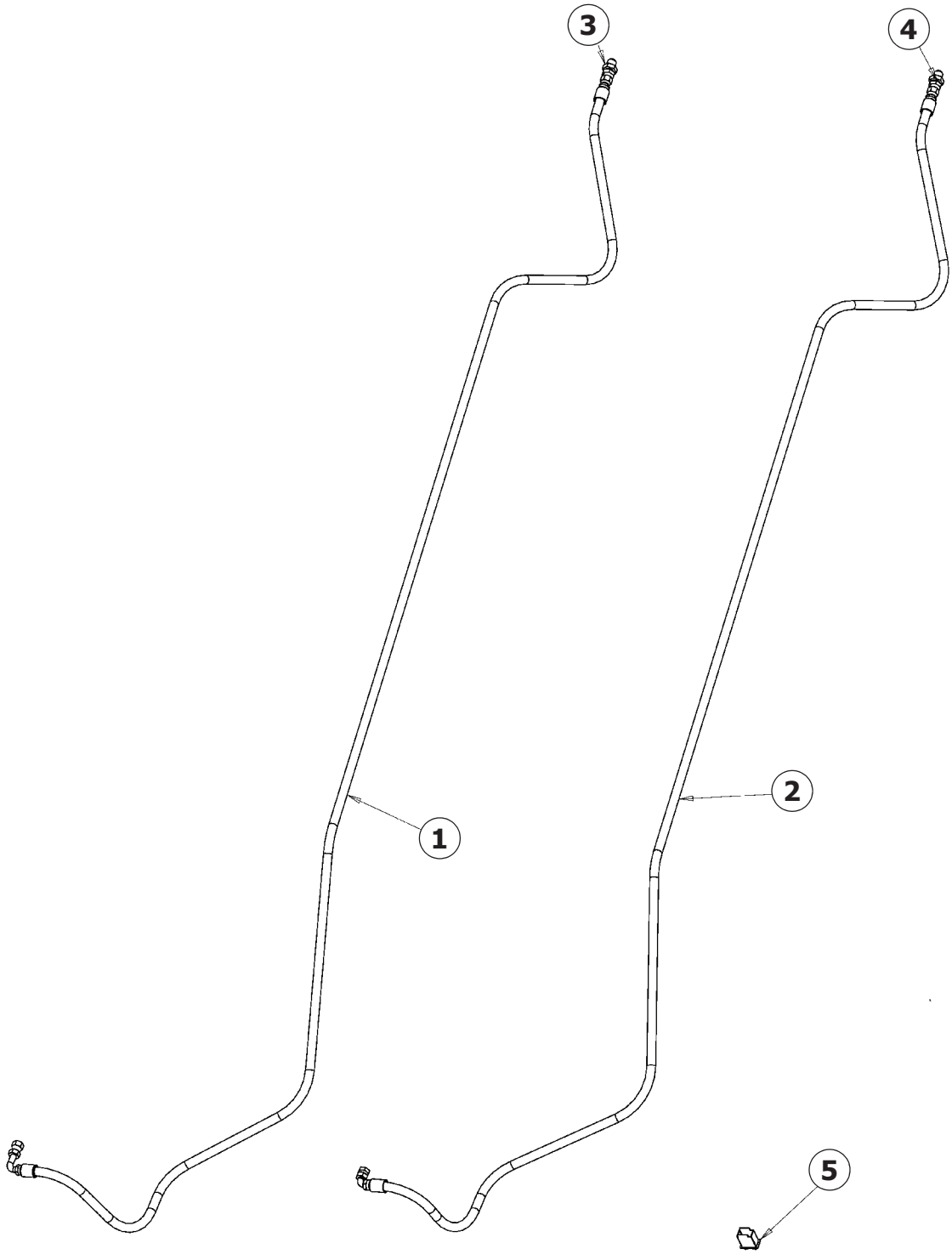
HYDRA-BORER ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU106780	ASSEMBLY - Hydra-Borer	1
1	AU106781	WELDMENT - Hydra-Borer	1
2	H673156	MOTOR - Hydraulic	1
3	H645838	SHIELD WELDMENT - Hydra-Borer Shaft	1
4	496-21053	WASHER - .531 x 1.062 x .134 in HDN ZND	4
5	426-828	BOLT - Hex Hd .500 x 1.75 GR5 ZND	4
6	232-4118	NUT - Prev Trq 1/2 GRC CAD DIRECT	4
7	H435886	WASHER - Adapter Retainer	1
8	H312314	ADAPTER - Motor Shaft Spline	1
9	492-11050	WASHER - Spring Lock Reg .500 in ZND	1
10	414-820	BOLT - Hex Hd .500 UNF x 1.25 GR5 ZND	1
11	H511113	ASSEMBLY - Yoke	1
12	424-640	BOLT - Hex Hd .375 x 1.25 GR2 ZND	1
13	232-4116	NUT - Prev Trq 3/8 GRC CAD DIRECT	1
14	AU106787	PLATE - Handle	1
15	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	4
16	AU100528	NUT, METRIC FLANGE PREVAILING - M12 Zinc	4
17	AU106861	PIN w/HANDLE - Locking	1
18	H32292	PIN - Hair	1
19	238-5210	O-RING - .125 x .750 inch Class 5	2
20	436994A1	COUPLER - 1/2 Male QD, Connect Under Press	2
21	393396A1	COUPLER - 1/2 Female Quick Disconnect	2
22	218-5060	CONNECTOR - Str Thd 1/2, 37FL - ORB 5/8	4
23	AU108259	HOSE - Left Hand	1
24	AU108259	HOSE - Right Hand	1
25	283607A2	LABEL - Entanglement	1

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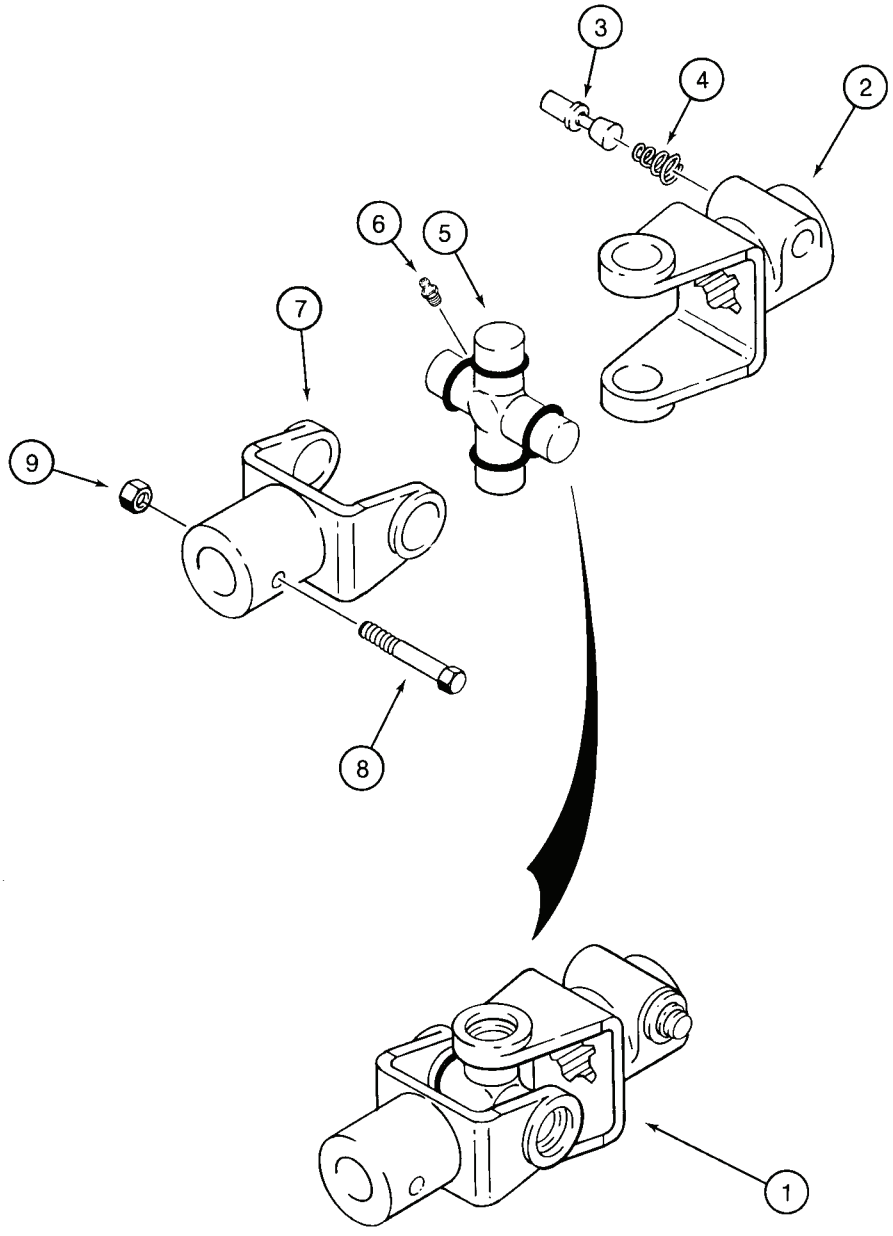
HYDRA-BORER START-UP KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU108128	KIT - Hydra-Borer Start-Up	1
1	H672562	STEM - 10 ft Drill	5
2	H646901	Adapter	1
3	H522375	Coupler - 1 in Female	2
4	H94961	CLIP - Retainer	10
5	H518837	TOOL - 2 in Borer Bit (WA-2BL F2)	1
6	H519249	BIT - Flutted, 3 in	1
7	M505105	MOLE - 2 in Clip Type	1


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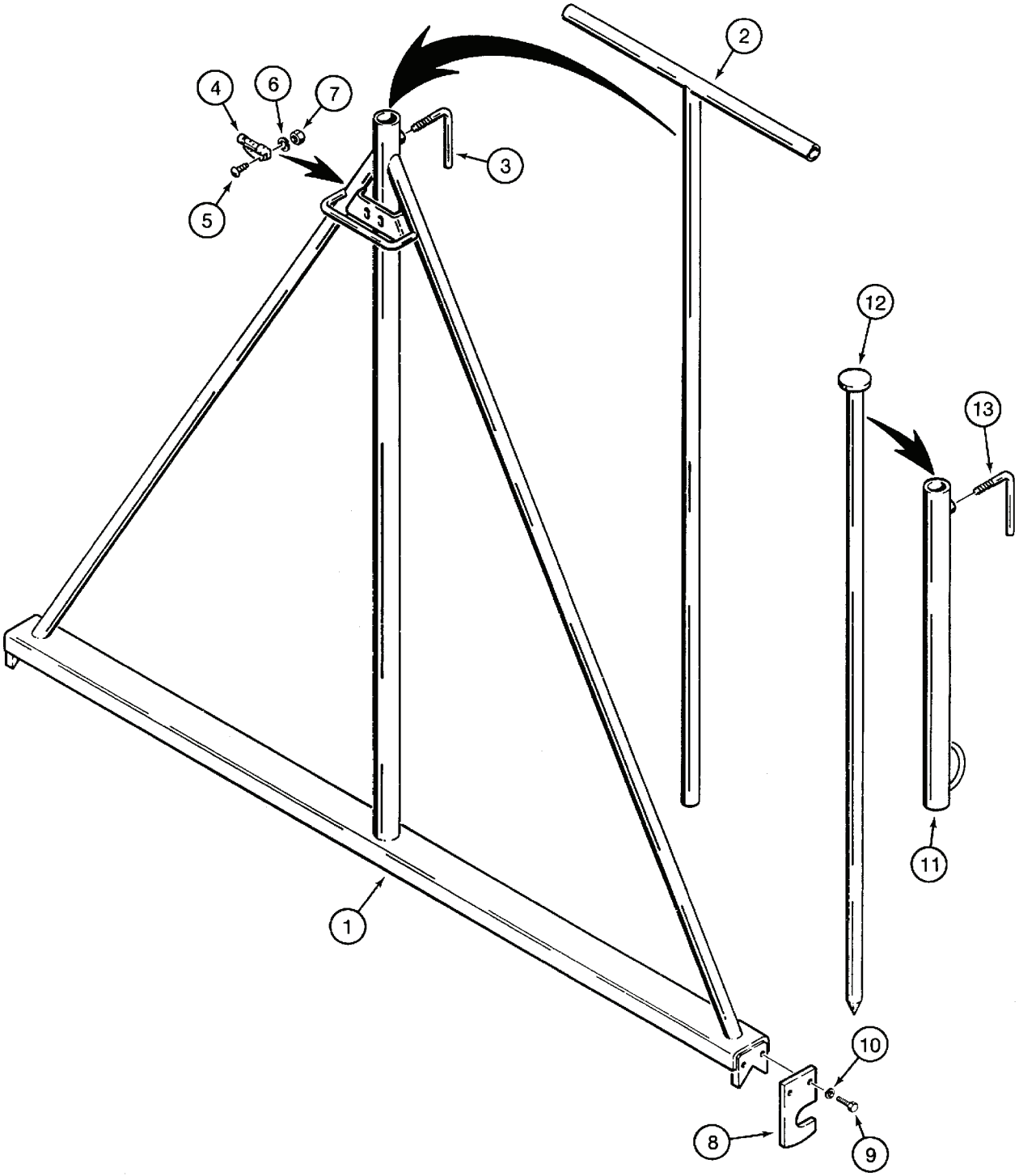
HYDRA-BORER ATTACHMENT KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122301	KIT - Hydra-Borer Attachment	
1	AU107972	HOSE - Hydra-Borer	
2	AU107973	HOSE - Hydra-Borer	
3	218-675	UNION - Bulkhead 37FL, 5/8 Tube	
4	218-1255	NUT - Bulkhead 3/4 - 16, 1/2 Tube	
5	AU113664	SWITCH - Rocker, (ON)-OFF-(ON) 2-Pole	
6	AU119090	CARTRIDGE	


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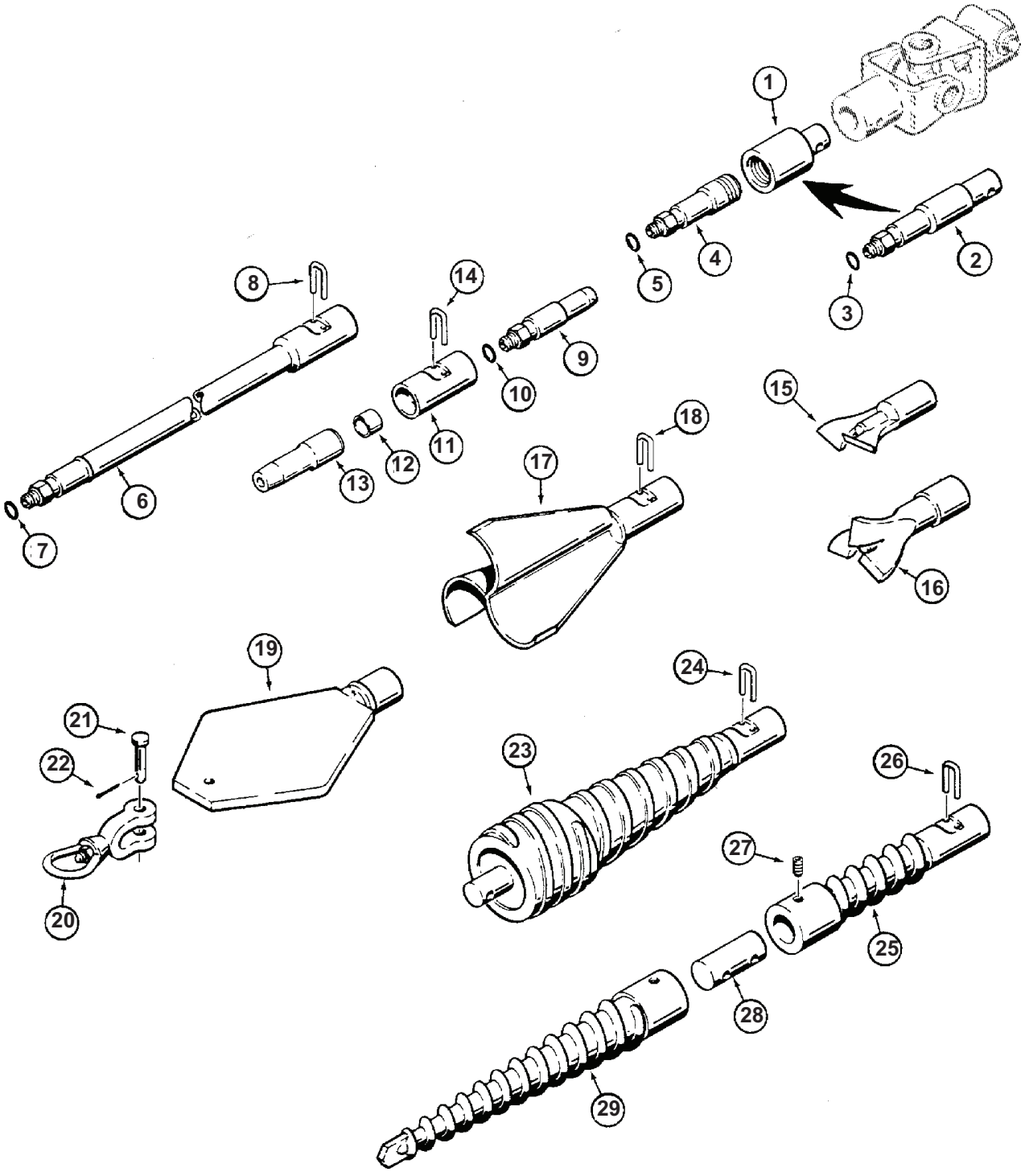
HYDRA-BORER - UNIVERSAL JOINT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H511113	JOINT - Universal (Consists of items 2 - 7)	1
	H71142	YOKE - Universal Joint, Splined, Gearbox Mount (Consists of items 2-4)	1
2	NSS	YOKE	1
	H658179	KIT - U-Joint Retaining (Consists of items 3 & 4)	1
3	NSS	PIN - Retaining	1
4	NSS	SPRING - Special	1
	H71167	CROSS UNION - U-Joint (Consists of items 5 & 6)	1
5	NSS	CROSS UNION	1
6	219-11	FITTING - Grease, 1/4 TPR x 15/16	1
7	H71159	YOKE - Boring Attachments	1
8	426-640	BOLT - 3/8 x 2-1/2	1
9	230-4216	NUT - Lock, 3/8	1


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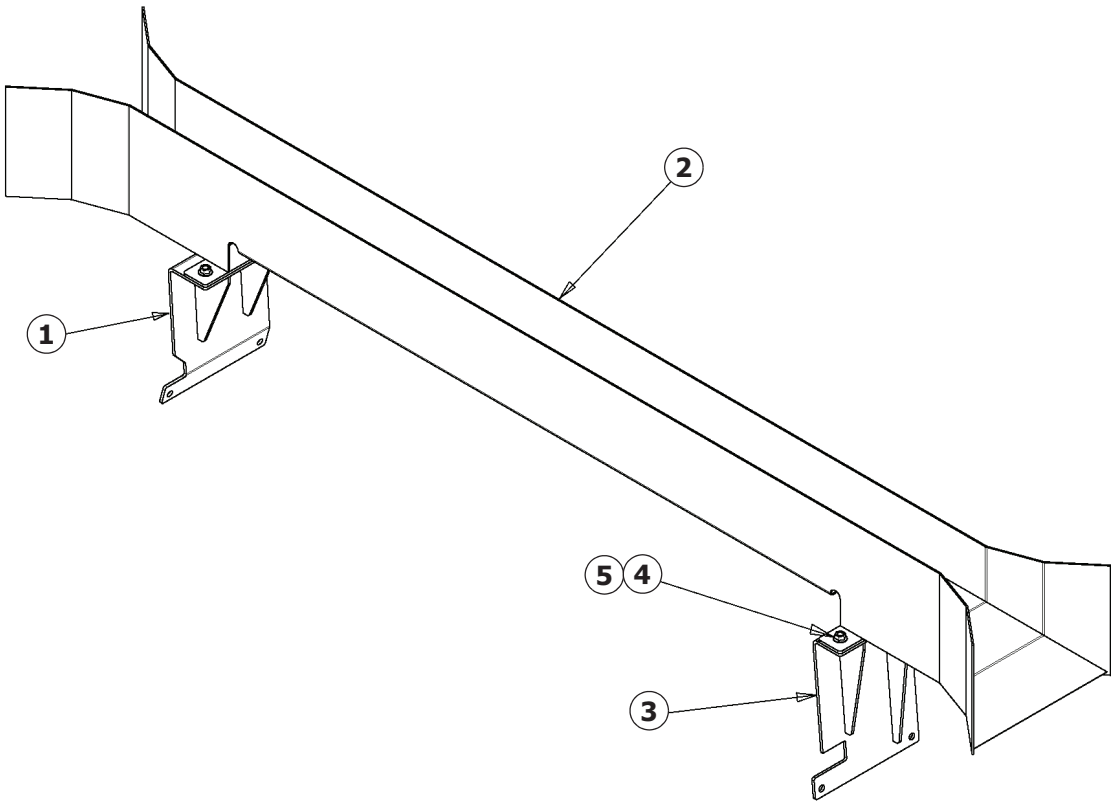
HYDRA-BORER - FRAME, DRILL STEM LEVEL

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H521377	FRAME - Drill Stem Level	1
2	H521385	HANDLE - Frame	1
3	H71472	LOCK - Handle Adjustment	1
4	H346015	GAUGE - Sight, Level Indicator	1
5	182-8	SCREW - 4 x 5/8	2
6	492-11004	WASHER	2
7	225-14104	NUT - # 4	2
8	H92544	GUIDE - Drill Stem	2
9	426-516	BOLT - 5/16 x 1	4
10	492-11031	WASHER - Lock, 5/16	4
11	H511139	TUBE - Guide Anchor (Included with 185583A1 on following page)	2
12	H511121	SHAFT - Guide Anchow (Included with 185583A1 on following page)	2
13	H71472	LOCK - Tube Adjustment (Included with 185583A1 on following page)	2


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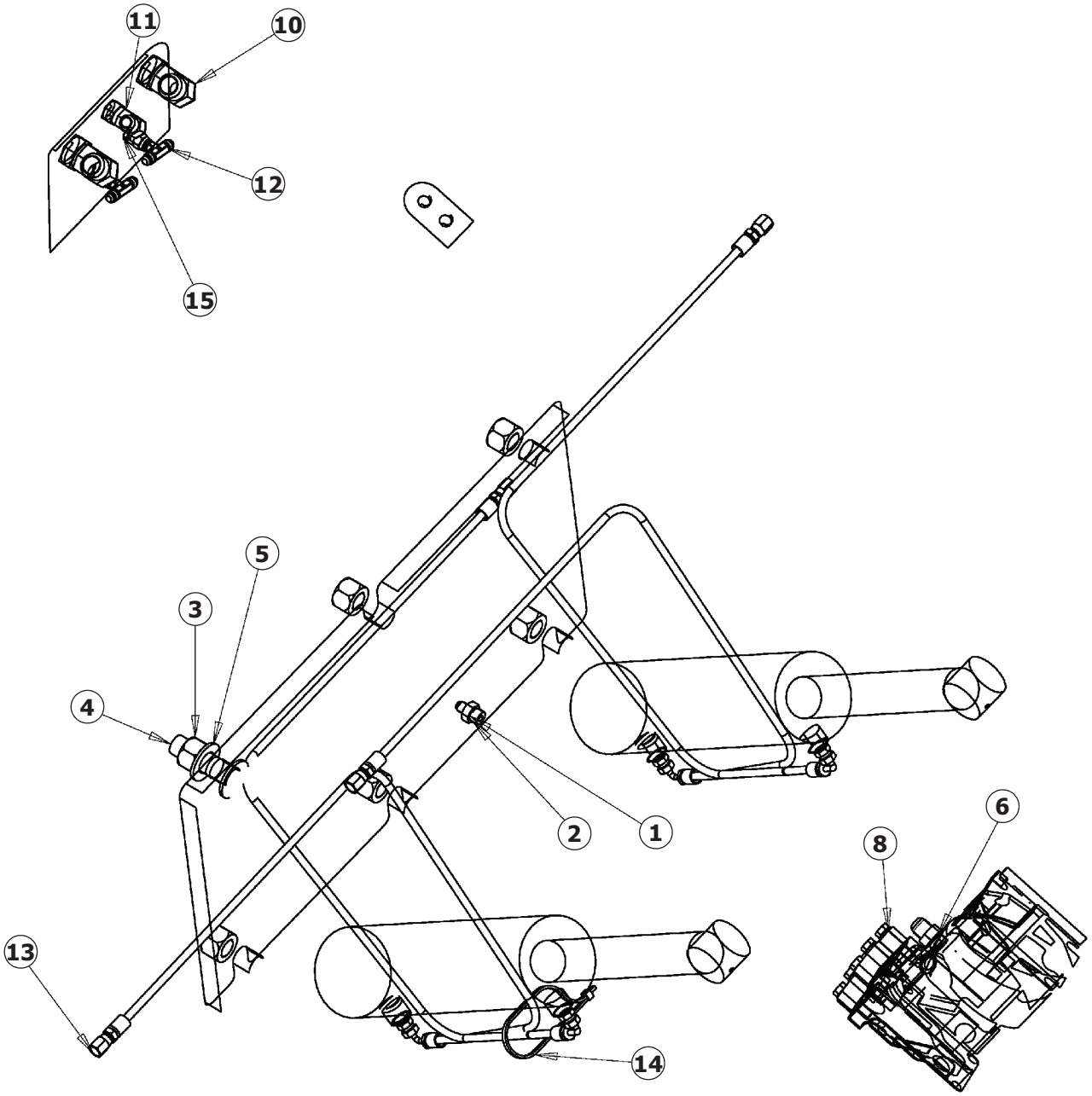
COUPLER, HYDRA-BORER - BORING ATTACHMENTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	H83352	ADAPTER - Dry Boring	1
2	H646901	ADAPTER - Dry Boring, Quick Lock, Male	1
3	237-6006	O-RING - 15/32 ID x 5/64	1
4	H522383	ADAPTER	1
5	237-6006	O-RING - 15/32 ID x 5/64	1
6	H672563	STEM - Drill, 5 Ft	UAR
6	H672562	STEM - Drill, 10 Ft (Included with 185583A1)	UAR
7	237-6006	O-RING - 15/32 ID x 5/64	1
8	H94961	CLIP)	1
9	H434273	COUPLING - Quick Lock, Male	1
10	237-6006	O-RING - 15/32 ID x 5/64	1
	H672594	ASSEMBLY - Coupling, Quick Lock, Female (Consists of items 11 - 13)	1
11	NSS	COUPLING	1
12	NSS	BUSHING	1
13	NSS	SHAFT	1
14	H94961	CLIP	1
15	H518837	BIT - Drill, Two Blade, 2 Dia x 1 in PT	1
15	H518910	BIT - Drill, Two Blade, 3 Dia x 1 in PT	1
16	H519249	BIT - Drill, Three Blade, 3 Dia x 1 in PT	1
17	H522441	REAMER - Back, Quick Lock, Female, 8 in	1
17	H522466	REAMER - Back, Quick Lock, Female, 12 in	1
18	H94961	CLIP	1
19	H519504	REAMER - Fish Plate, 4 in	1
19	H519652	REAMER - Fish Plate, 6 in	1
19	H528497	REAMER - Fish Plate, 8 in	1
20	H88195	SWIVEL - Reamer	1
21	H32284	PIN - Clevis, Special	1
22	432-816	PIN - Cotter, 1/8 x 1	1
23	H522409	REAMER - Compaction, Quick Lock, Female, 3-3/4 in	1
24	H94961	CLIP	1
25	H522433	BIT - Compaction, Quick Lock, Female, 2 in	1
26	H94961	CLIP	1
27	61-33828	BOLT - 3/8 x 1-3/4	2
28	H85233	COUPLING - Bit	1
29	H84988	BIT - Compaction, End, 2 in	1
	185583A1	KIT - Hydra-Borer (Consists of items 2, 6, 8, 14, 15, 18, 24-29)	1


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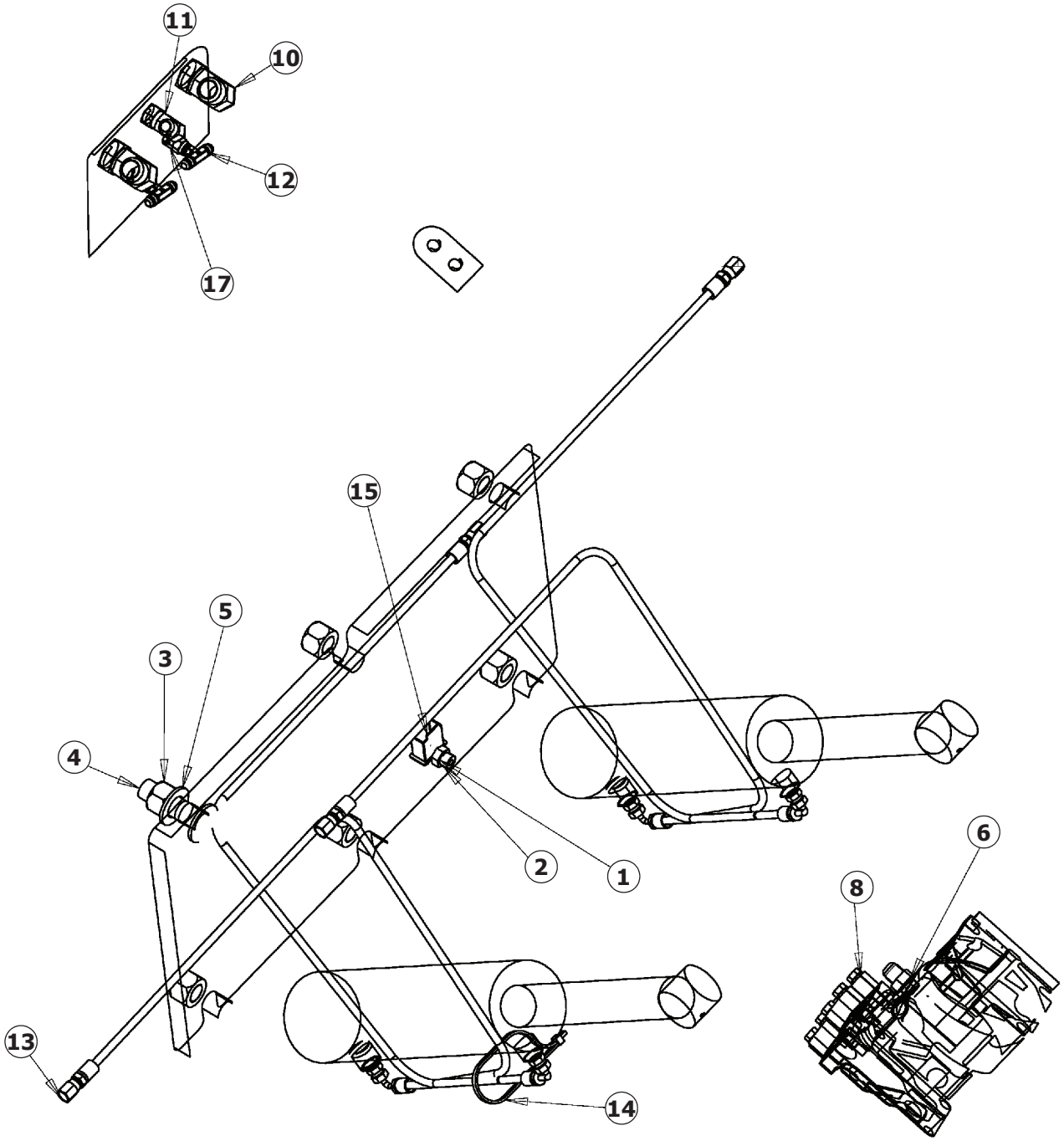
CABLE CHUTE

REF.	PART NO.	DESCRIPTION	REQ'D.
		Used With Reel Carrier	
	AU122307	CABLE CHUTE ASSEMBLY	1
1	AU122306	WELDMENT - Front Cable Chute Bracket	1
2	AU122309	WELDMENT - Cable Chute	1
3	AU122308	WELDMENT - Rear Bracket	1
4	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	8
5	AU100527	NUT, METRIC - M10 Zinc	8


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ROCKSAW ATTACH KIT, 36”

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU122406	KIT - Rocksaw Attach, 36”	1
1	H438496	HOSE -4 Hose, -6 Ends, 1380mm	2
2	218-5058	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/2	2
3	232-41116	NUT - Prev Trq 1” GRC CAD DIRECT	6
4	426-1656	BOLT - Hex Hd 1.00 x 3.50 GR8 ZND	1
5	H426833	WASHER - H.T. (1” Bolt)	2
6	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	1
7	AU102535	HOSE -10, Case Drain	1
8	114285A1	KIT - Split Flange, -16 Code 62	2
9	AU102534	HOSE -16, 5K	2
10	218-5234	ELBOW - 90 Swivel, 37FL 1.0 Tube	2
11	218-5232	ELBOW - 90 Swivel, 37FL 5/8 Tube	1
12	91-203101-6-6S	ADAPTER - Tee, FJIC / MJIC	2
13	H438089	HOSE - Hydraulic	4
14	L18331	TIE - Hose	15
15	AU109671	ORIFICE - 0.047 Inline	2


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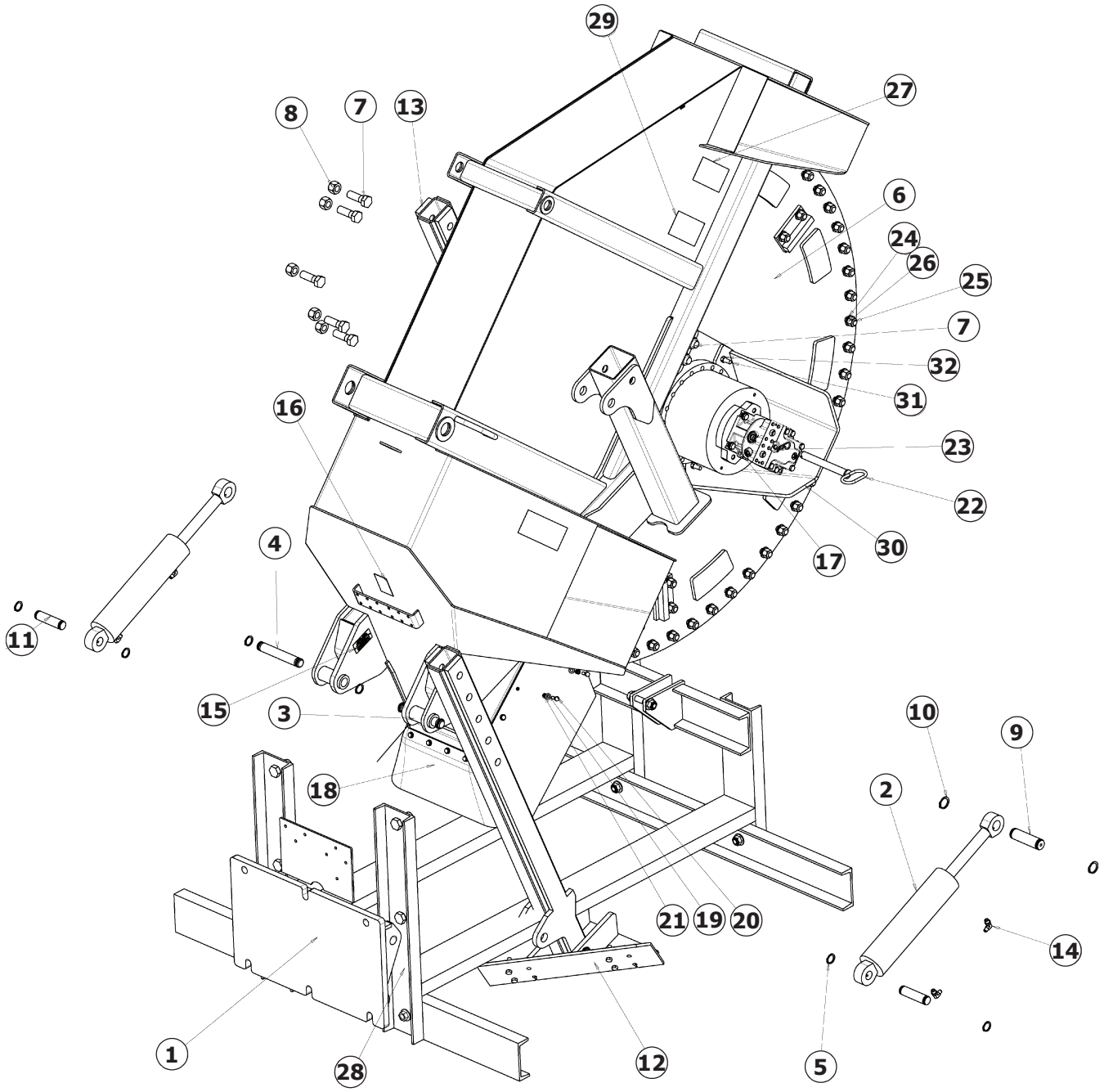
ROCKSAW ATTACH KIT, 40” AND 46”

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU122404	KIT - Rocksaw Attach, 40” and 46”	1
1	H438496	HOSE -4 Hose, -6 Ends, 1380mm.	2
2	218-5058	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/2	2
3	232-41116	NUT - Prev Trq 1” GRC CAD DIRECT	6
4	426-1656	BOLT - Hex Hd 1.00 x 3.50 GR8 ZND.	1
5	H426833	WASHER - H.T. (1” Bolt)	2
6	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	1
7	AU102535	HOSE -10, Case Drain	1
8	114285A1	KIT - Split Flange, -16 Code 62	2
9	AU102534	HOSE -16, 5K	2
10	218-5234	ELBOW - 90 Swivel, 37FL 1.0 Tube	2
11	218-5232	ELBOW - 90 Swivel, 37FL 5/8 Tube	1
12	91-203101-6-6S	ADAPTER - Tee, FJIC / MJIC	2
13	H438089	HOSE - Hydraulic	4
14	L18331	TIE - Hose	15
15	AU113664	SWITCH - Rocker, (ON)-OFF-(ON) 2-Pole	1
16	AU119090	CARTRIDGE	1
17	AU109671	ORIFICE - 0.047 Inline	2

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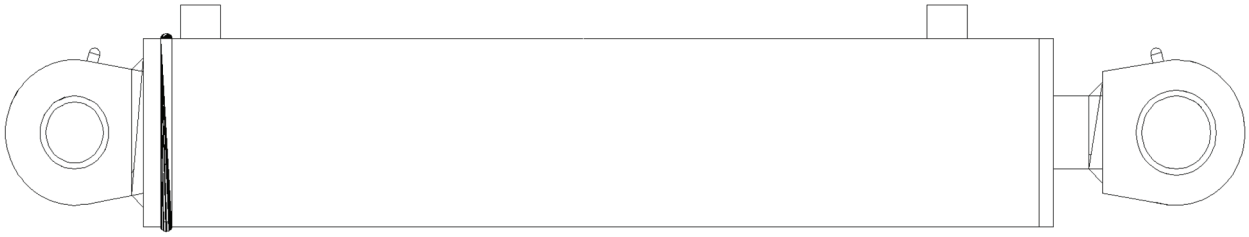
ROCKSAW w/SLIDING OFFSET ATTACHMENT KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU102515	KIT - Attachment, Rocksaw with Sliding Offset	1
1	218-756	CAP - 37FL, 5/8 Tube	1
2	218-758	CAP - 37FL, 1.0 Tube	1
3	218-980	ELBOW - 90 Swivel, 37FL, 3/8 Tube	2
4	218-5058	CONNECTOR - Str Thd 3/8, 37FL-ORB 1/2	4
5	218-5062	CONNECTOR - Str Thd 5/8, 37FL-ORB 5/8	1
6	218-5128	ELBOW - 90 Swivel, 37FL, 3/8 x 1/2 Tube	2
7	218-5223	TEE - Swivel Run 37FL, 1.0 x 1.0 x 1.0	1
8	218-5241	TEE - Adj Run 37FL, 5/8 x 5/8 x 5/8	1
9	218-5281	ELBOW - 90 Adj, 37FL 3/8 x 5/8 Tube	1
10	218-5354	CONNECTOR - Str Thd 3/8, 37FL-ORB 5/8	1
11	429-1012	NUT - Hex 0.375 - 10 GR8 ZND	4
12	230-41116	NUT - Prev Trq 1" GRA CAD DIRECT	11
13	326-1688	BOLT - Hex Hd 1.00 x 5.50 GR8 PHC	5
14	426-1240	BOLT - Hex Hd 0.75 x 2.50 GR8 ZND	4
15	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	8
16	114285A1	KIT - Split Flange -16 Code 62	2
17	D131789	SLEEVE - Cordura	2
18	H426817	WASHER - Flat	4
19	H426833	WASHER - H.T. (1" Bolt)	24
20	H432609	HOSE - Case Drain	1
21	H438000	HOSE - Hydraulic	2
22	H438089	HOSE - Hydraulic	4
23	H438197	SLEEVE - Hose Protector	2
24	H438491	HOSE - Hydraulic	2
25	H438500	SLEEVE - Hose Protector	2
26	H439280	ADAPTER - Code 62 Flange to Male JIC	2
27	L18331	TIE - Hose	15
28	AU101358	HOSE -10, Case Drain	1
29	AU102511	HOSE -16, 5K	2
30	AU109671	ORIFICE - 0.047 Inline	2


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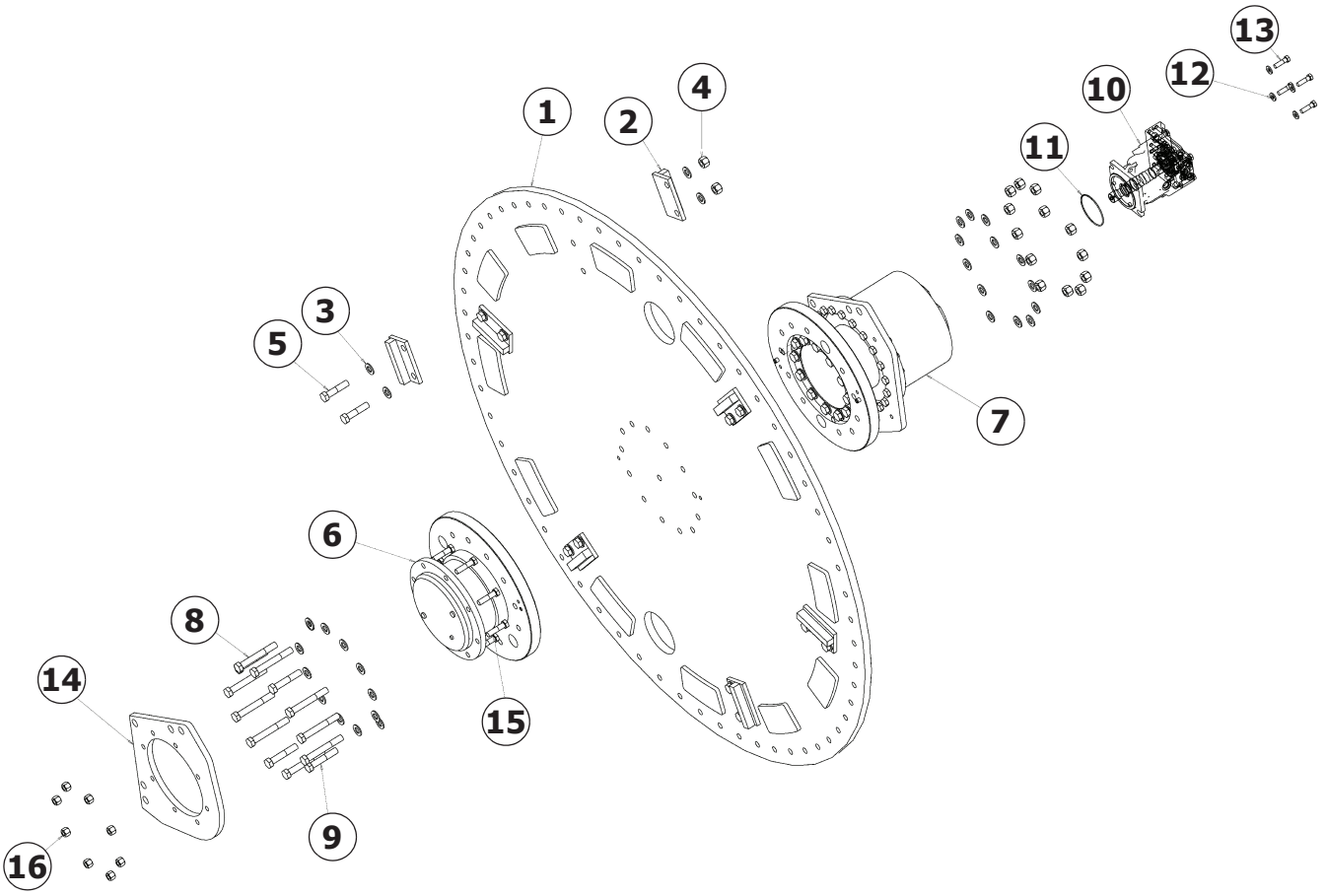
ROCKSAW ASSEMBLY, 36” DEPTH

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU118935	ROCKSAW - 36” Depth	1
1	AU101027	WELDMENT - Rock Wheel Mount	1
2	AU118918	CYLINDER - Hydraulic	2
3	AU100920	FRAME WELDMENT - Rock Wheel	1
4	H434381	PIN - Pivot	2
5	103-16125	RING - Retainer	8
6	AU102464	WHEEL ASSEMBLY - Motor/Disc/Hardware	1
7	426-1648	BOLT - Hex Hd 1 x 3 GR5 ZND	10
8	232-41116	NUT - Prev Trq 1” GRC CAD Direct	10
9	221253A1	PIN - Coupler Pivot	2
10	D25279	RING - Retainer	4
11	D32933	PIN - Pivot	2
12	AU101063	ASSEMBLY - Stabilizer, LH	1
13	AU101064	ASSEMBLY - Stabilizer, RH	1
14	218-5105	ELBOW - 90 Adj 37FL 3/8 Tube	4
15	AU100572	PLATE - Serial Number	1
16	382622	LABEL, Read Operators Manual	1
17	496-21053	WASHER - .531 x 1‘.062 x .134 in HDN ZND	4
18	AU101359	SKIRT - Rock Wheel	1
19	495-11041	WASHER - .406 x 0.812 x .065 in CST ZND	14
20	426-624	BOLT - Hex Hd .375 x 1.50 GR5 ZND	14
21	230-4216	NUT - Prev Trq 3/8 GRA CAD Non-Direct	14
22	H660209	PIN - w/Handle	2
23	H32292	PIN - Hair Clip	2
24	496-11081	WASHER - .812 x 1.50 x .134 in HDN ZND	120
25	426-1252	BOLT - Hex Hd .75 x 3.25 GR8 ZND	60
26	232-41112	NUT - Prev Trq 3/4 GRC CAD Direct	60
27	AU114743	DECAL - Warning, Thrown Objects Hazard	4
28	AU109145	STAND - Rock Saw	1
29	AU115101	DECAL - Danger, Rocksaw Entanglement Hazard	2
30	AU102474	WELDMENT - Motor Guard	1
31	426-832	BOLT - Hex Hd .500 x 2.00 GR8 ZND	3
32	230-4218	NUT - Prev Trq 1/2 GRA CAD NonDir	3



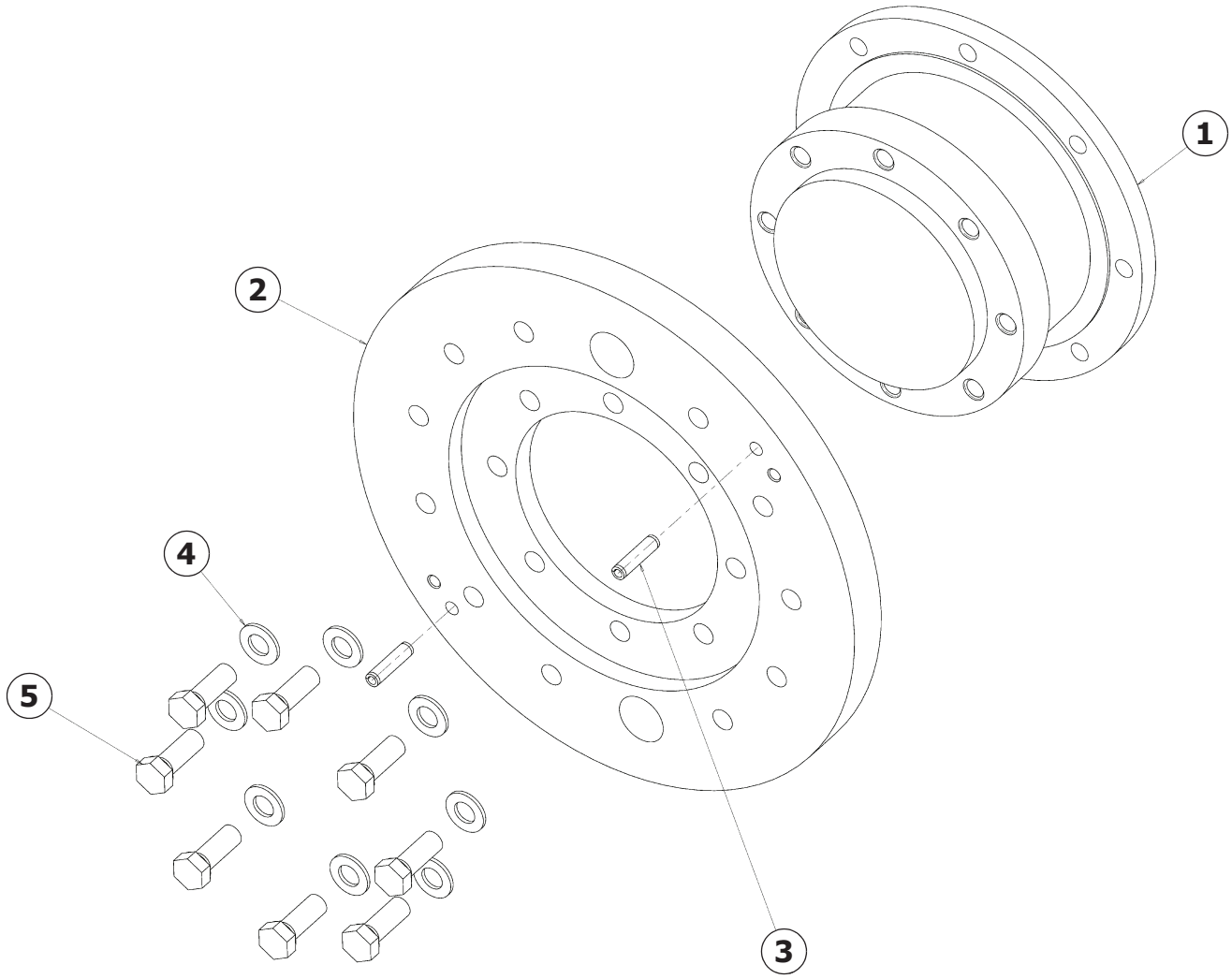
ROCKSAW LIFT CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118918	CYLINDER - Rocksaw Lift	1
1	AU118920	ROD	1
2	AU118921	KIT - Seal, Gland	1
3	AU118922	PISTON	1
4	AU118923	KIT - Seal, Piston	1
5	AU118924	NUT - Piston	1


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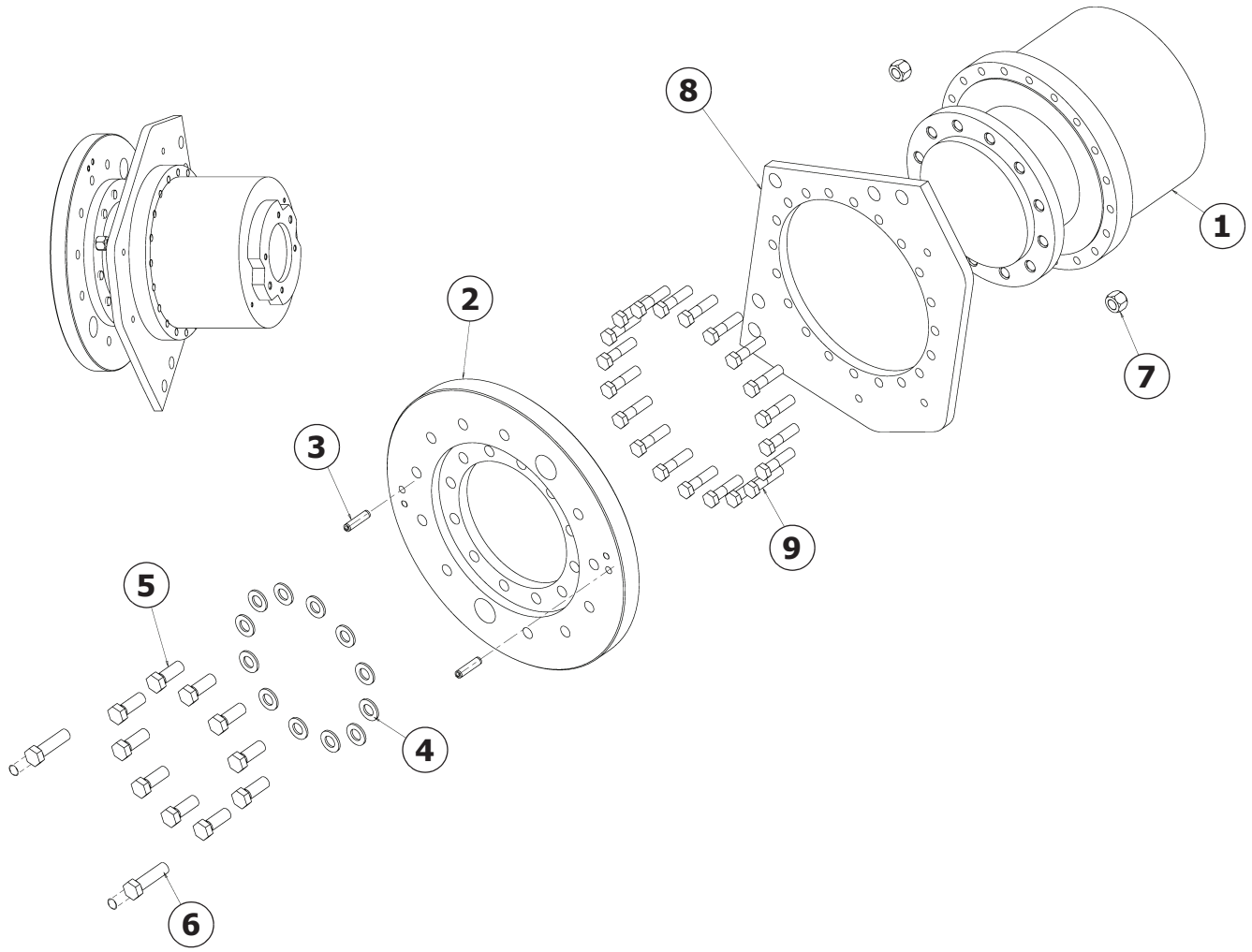
ROCK WHEEL ASSEMBLY - MOTOR / DISC

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU102464	ASSEMBLY - Wheel, Motor/Disc/Hardware	1
1	AU100982	WELDMENT - Wheel, 36" Cut	1
2	AU101067	WELDMENT - Side Cutter	12
3	496-11081	WASHER - .812 x 1/500 x .134 in HDN ZND	50
4	232-41112	NUT - Prev Trq, 3/4 GRC CAD DIRECT	25
5	426-1252	BOLT - Hex Hd, .750 x 3.25 GR8 ZND	12
6	AU101072	ASSEMBLY - Model 9 Hub w/ Adaptor Plate	1
7	AU102469	ASSEMBLY - Model 10 Gearbox w/Adaptor Plate	1
8	426-1288	BOLT - Hex Hd, .750 x 5.50 GR8 ZND	9
9	426-1264	BOLT - Hex Hd, .750 x 4.00 GR8 ZND	4
10	AU102460	PUMP - Sauer-Danfoss, 90 Series, 55cc	1
11	238-5243	O-RING - 0.125 x 4.125 in Class 5	1
12	496-21053	WASHER - .531 x 1.062 x .134 in HDN ZND	4
13	426-828	BOLT - Hex Hd, .500 x 1.75 GR8 ZND	4
14	AU101090	PLATE - Hub Mount.	1
15	426-1040	BOLT - Hex Hd 0.625 x 2.50 GR8 ZND.	8
16	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	8


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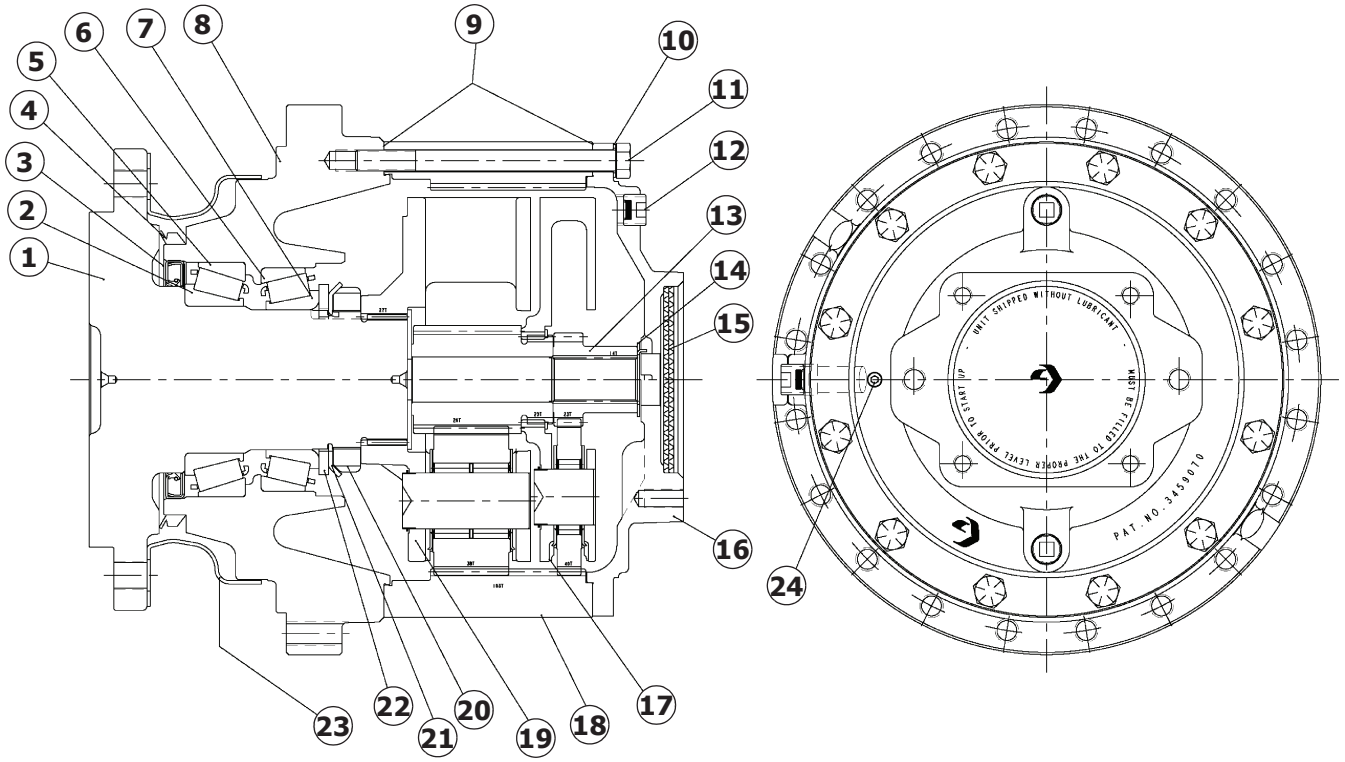
MODEL 9 HUB WITH ADAPTER PLATE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU101072	ASSEMBLY - Model 9 Hub w/Adapter Plate	1
1	AU100901	HUB - Model 82N Non-Powered	1
2	AU100955	PLATE - Hub Mount.	1
3	AU101085	PIN - Slid Spring, .500 x 2.00 in C-Z	2
4	496-11081	WASHER - .812 x 1.500 x .134 in HDN ZND	8
5	426-1232	BOLT - Hex Hd, .750 x 2.00 GR8 ZND	8


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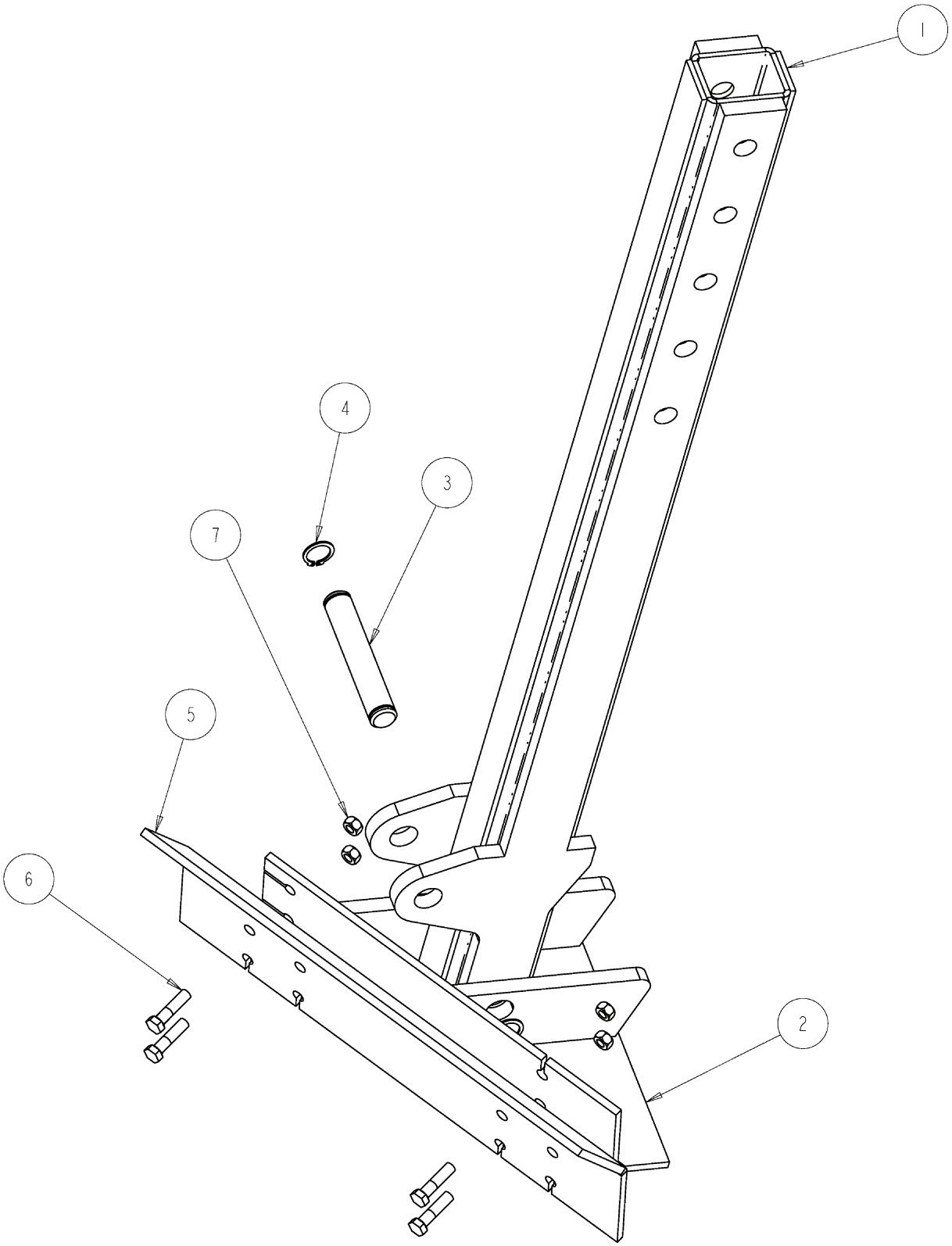
MODEL 10 GEARBOX WITH ADAPTER PLATE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU102469	ASSEMBLY - Model 10 Gearbox w/Adapter Plate	1
1	AU105389	GEARBOX - Model 10 Spindle Output Drive	1
2	AU102463	PLATE - Gearbox Mount	1
3	AU101085	PIN - Slid Spring, .500 x 2.00 in C-Z	2
4	496-11081	WASHER - .812 x 1.500 x .134 in HDN ZND	12
5	414-1232	BOLT - Hex Hd, .750 UNF x 2.00 GR5 ZND	10
6	428-1244	BOLT - Hex Hd, .750 x 2.75 GR8 ZND	2
7	232-46112	NUT - Prev Trq, 3/4 GRC CAD DIRECT	2
8	AU102462	PLATE - Wheel Mount	1
9	426-1040	BOLT - Hex Hd .625 x 2.50 GR8 ZND	20


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UNIT SHIPPED WITHOUT LUBRICANT
MUST BE FILLED TO THE PROPER LEVEL PRIOR TO START UP
PAT. NO. 3459010

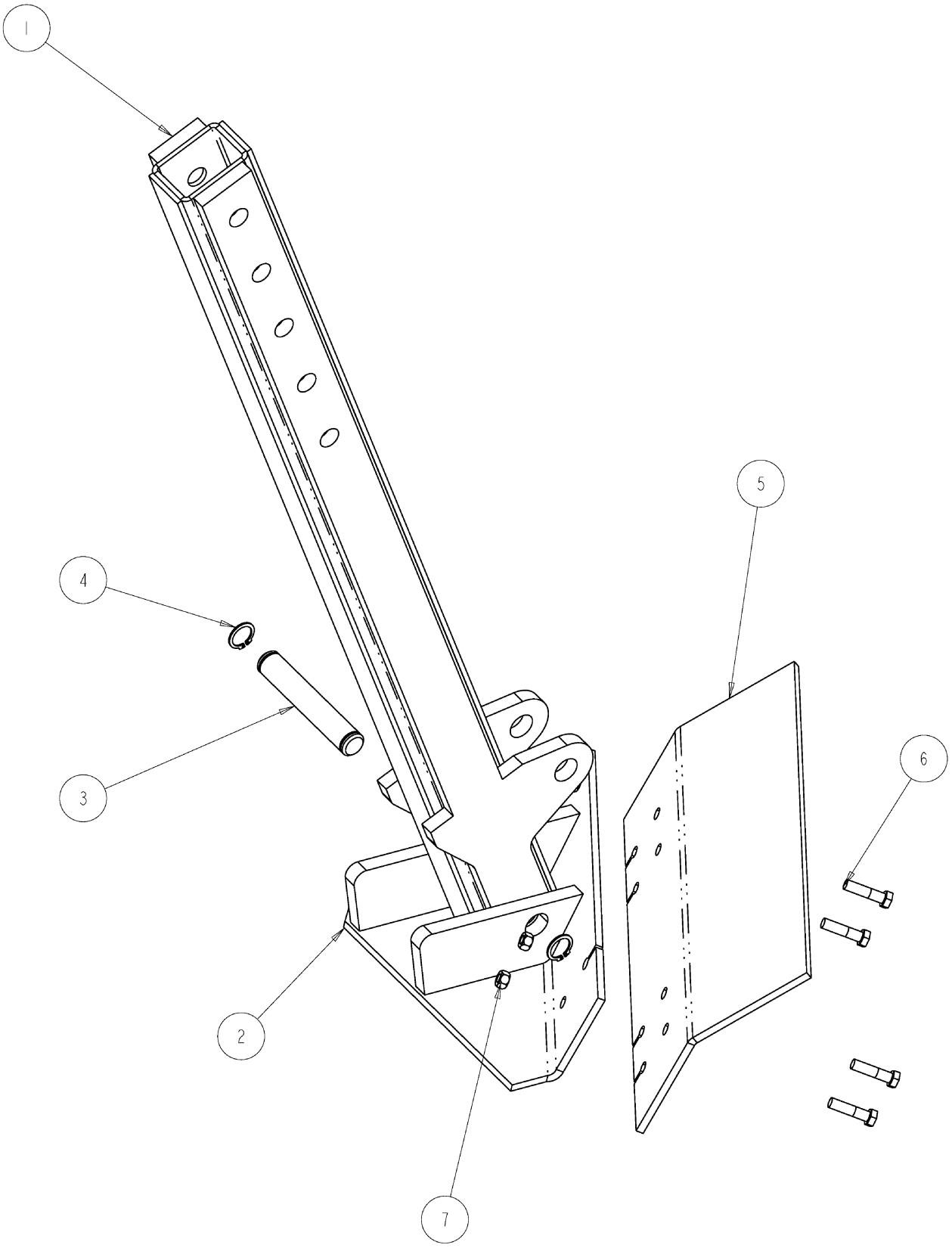
MODEL 10 GEARBOX WITH OUTPUT DRIVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU105389	ASSEMBLY - Model 10 Gearbox w/Output Drive	1
1	AU113771	SHAFT - Output	1
2	23000080	BEARING - Cone	1
3	AU113275	SEAL - Oil	1
4	AU113274	SEAL - V Ring	1
5	23000081	BEARING - Cup	1
6	AU113779	BEARING - Cup	1
7	AU113780	BEARING - Cone	1
8	AU113781	HUB	1
9	AU113782	COMPOUND - Sealing	2
10	AU113783	WASHER - Flat	12
11	AU113784	BOLT - Hex Head	12
12	AU113785	PLUG - Pipe	3
13	AU113786	GEAR - Sun	1
14	AU113787	WASHER - Thrust	1
15	AU113788	PLUG - Shipping	1
16	AU113789	COVER	1
17	AU113790	ASSEMBLY - Pri Carrier	1
18	AU113791	GEAR - Ring	1
19	AU113792	ASSEMBLY - Sec Carrier	1
20	AU113793	NUT - Lock	1
21	AU113794	WASHER - Lock	1
22	AU113795	WASHER - Thrust	1
23	AU113796	GUARD	1
24	AU113797	PLUG - Pipe	1


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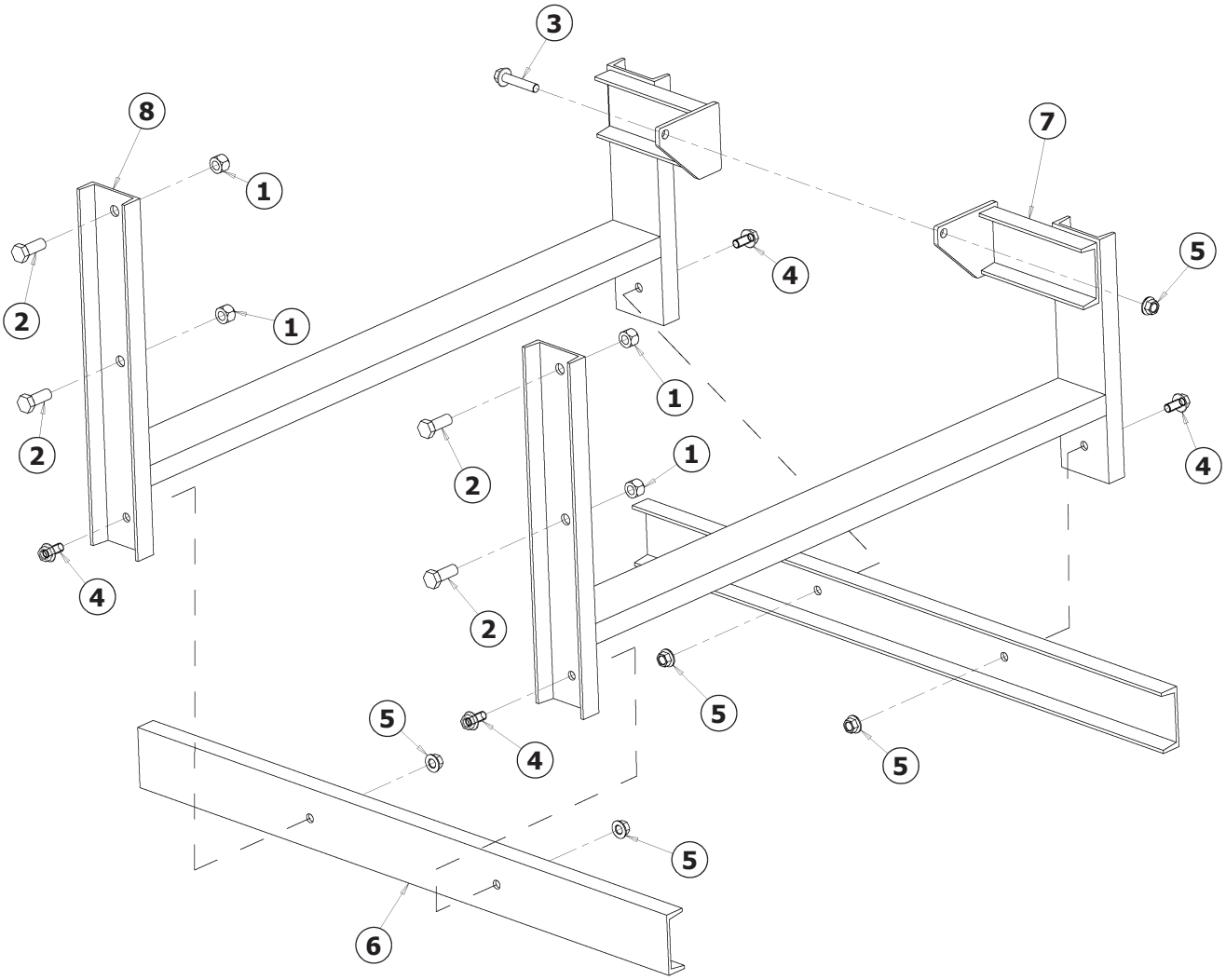
LEFT-HAND ROCKSAW STABILIZER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU101063	ASSEMBLY - Left-Hand Rocksaw Stabilizer	1
1	AU101056	WELDMENT - Stabilizer Bar	1
2	AU101059	WELDMENT - Foot, Left-Hand	1
3	H436746	PIN - Pivot	1
4	103-16125	CLIP - Ring	2
5	AU101182	PLATE - Berm Scraper	1
6	426-832	BOLT - Hex Hd - .500 x 2.00 GR5 ZND	4
7	230-4218	NUT - Prev Trq - 1/2 GRA CAD NON-DIR	4


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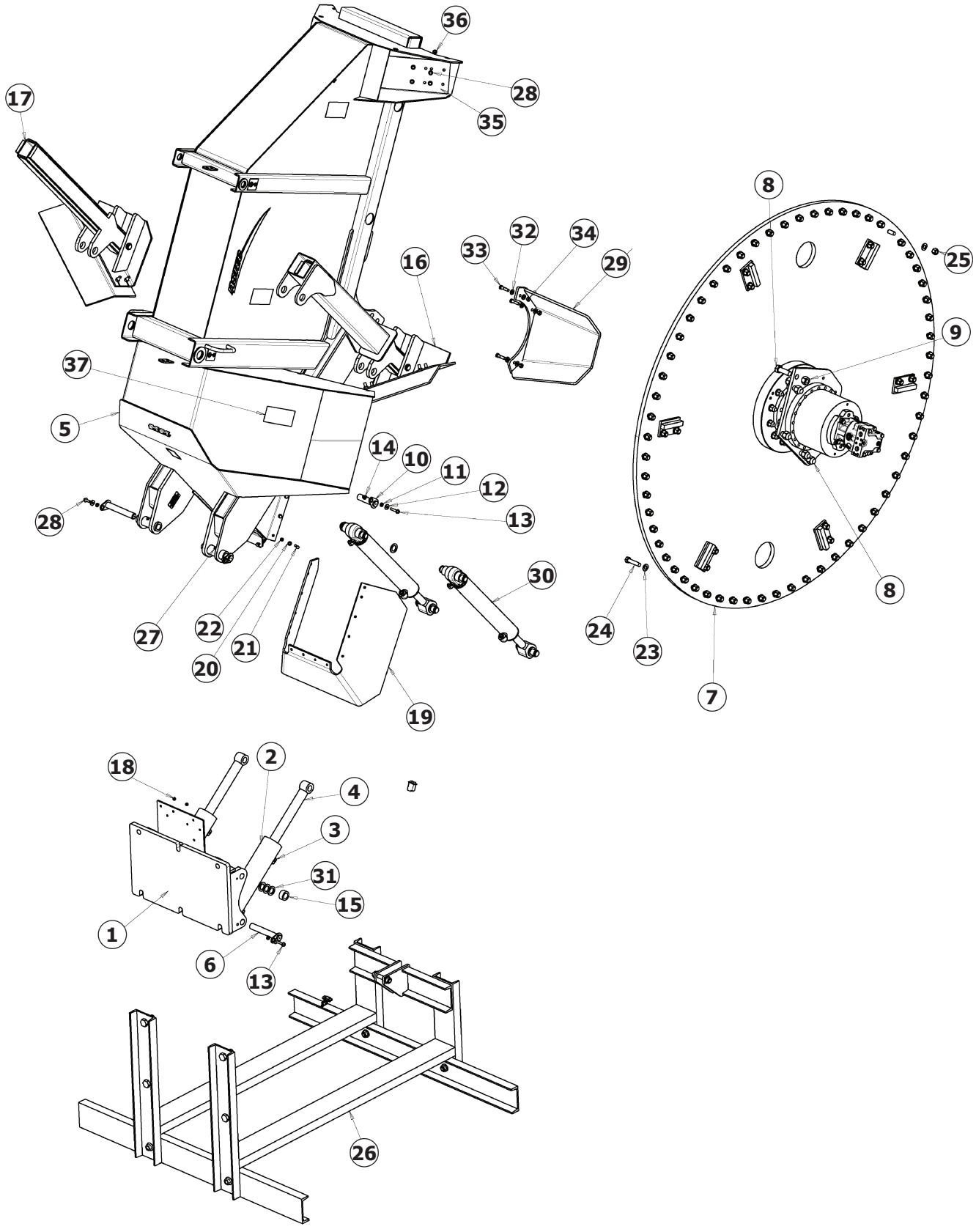
RIGHT-HAND ROCKSAW STABILIZER

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU101064	ASSEMBLY - Right-Hand Rocksaw Stabilizer	1
1	AU101056	WELDMENT - Stabilizer Bar	1
2	AU101060	WELDMENT - Foot, Right-Hand	1
3	H436746	PIN - Pivot	1
4	103-16125	CLIP - Ring	2
5	AU101182	PLATE - Berm Scraper	1
6	426-832	BOLT - Hex Hd, .500 x 2.00 GR5 ZND	4
7	230-4218	NUT - Prev Trq, 1/2 GRA CAD NON-DIR	4


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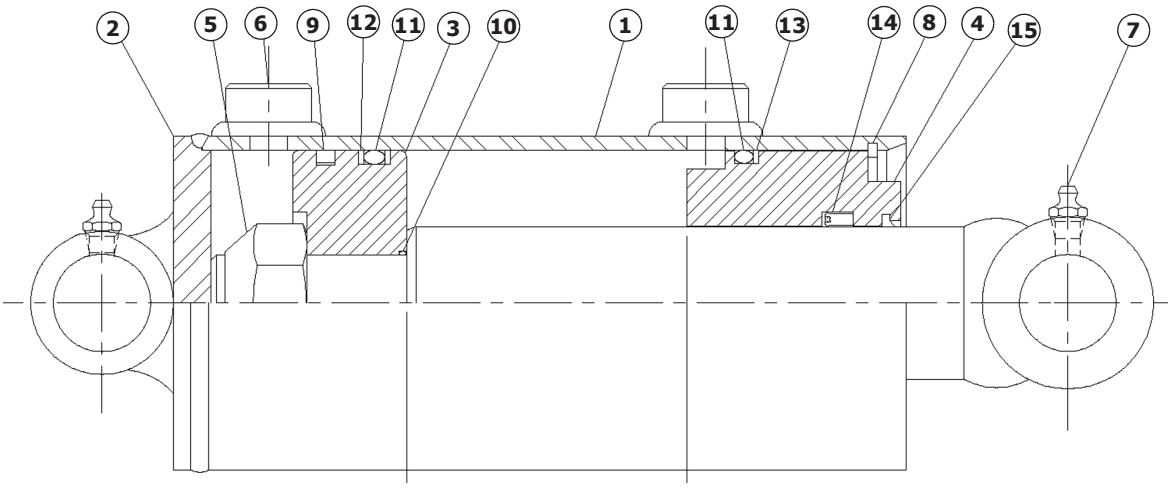
ASSEMBLY - ROCK SAW STAND

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU109145	ASSEMBLY - Rock Saw Stand	1
1	232-41116	NUT - Prev Trq 1" GRA CAD DIRECT	4
2	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	4
3	AU100377	SCREW, METRIC FLANGE w/BODY - M20 x 100	1
4	AU100429	SCREW, METRIC FLANGE FULL - M20 x 40	4
5	AU100447	NUT, METRIC HEX FLANGE - M20, Zinc	5
6	AU109500	CHANNEL	2
7	AU109503	ROCK SAW STAND - RH	1
8	AU109504	ROCK SAW STAND - LH	1


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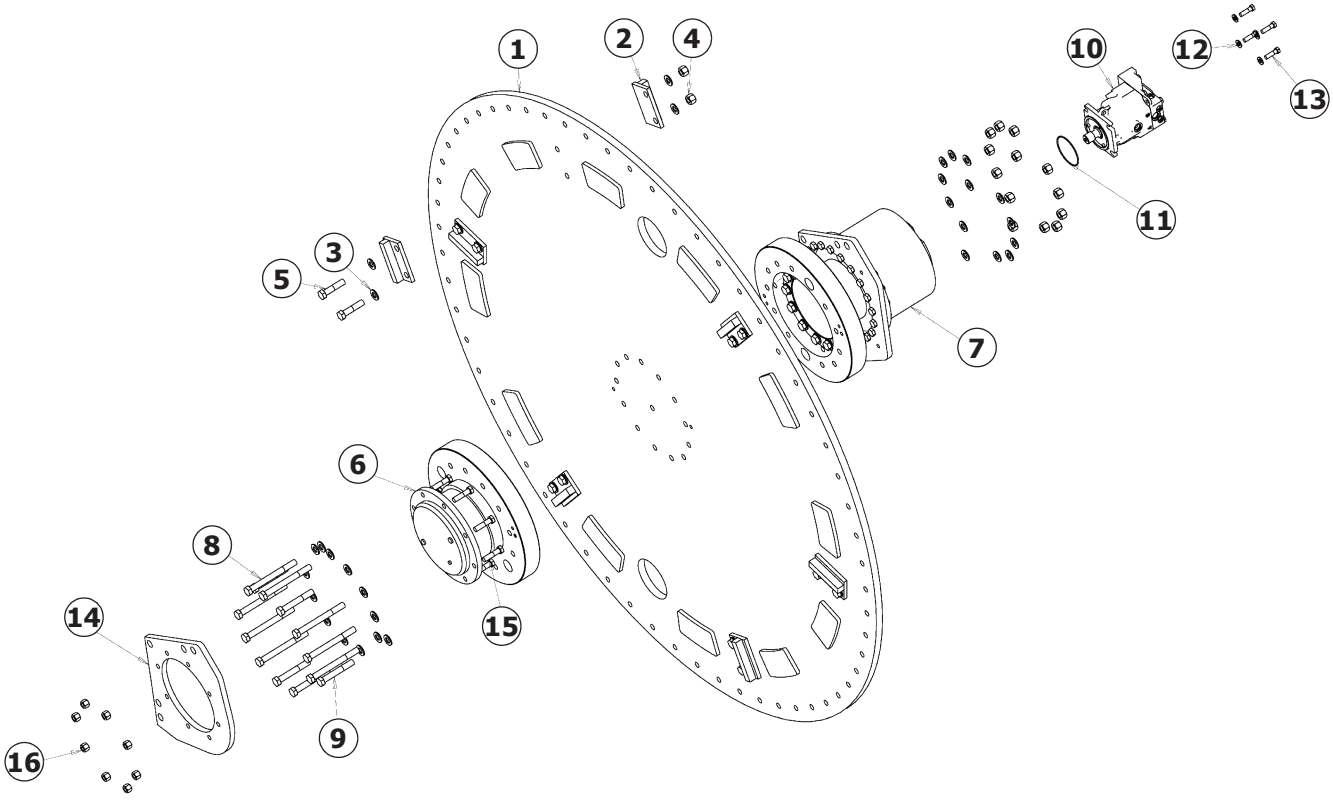
ROCKSAW ASSEMBLY, 40” DEPTH

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU118933	ROCKSAW - 40” Depth	1
1	AU115723	WELDMENT - Rock Wheel Mount	1
2	8HC40027	CYLINDER - Hydraulic, Base	2
3	218-5057	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/8	4
4	8HC40027	CYLINDER - Hydraulic, Rod	2
5	AU110679	FRAME WELDMENT - Rock Wheel	1
6	AU111339	PIN - Pivot with Flag	4
7	AU110716	WHEEL ASSEMBLY - Motor/Disc/Hardware	1
8	426-1648	BOLT - Hex Hd 1 x 3 GR5 ZND	10
9	232-41116	NUT - Prev Trq 1” GRC CAD Direct	10
10	AU115795	PIN - Pivot with Flag	2
11	349192A1	SPACER - Pin	6
12	496-41041	WASHER - 0.406 x 1.125 x .134 in CST ZND	6
13	AU100333	SCREW, METRIC FLANGE w/BODY - M10 x 50	4
14	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	4
15	AU117187	SPACER - Pin	2
16	AU110764	ASSEMBLY - Stabilizer, LH	1
17	AU110769	ASSEMBLY - Stabilizer, RH	1
18	230-4215	NUT - Prev Trq 5/16 GRA CAD Non-Direct	3
19	AU115648	SKIRT - Rock Wheel	1
20	495-11041	WASHER - .406 x 0.812 x .065 in CST ZND	14
21	426-624	BOLT - Hex Hd .375 x 1.50 GR5 ZND	14
22	230-4216	NUT - Prev Trq 3/8 GRA CAD Non-Direct	14
23	496-11081	WASHER - .812 x 1.50 x .134 in HDN ZND	120
24	426-1252	BOLT - Hex Hd .75 x 3.25 GR8 ZND	60
25	232-41112	NUT - Prev Trq 3/4 GRC CAD Direct	60
26	AU109145	STAND - Rock Saw	1
27	219-1	FITTING - Lube, 1/8 - 27 Dryseal PTF	2
28	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	10
29	AU102474	WELDMENT - Motor Guard	1
30	AU119087	STABILIZER GROUP - Rock Saw	1
31	495-81203	WASHER - 1.281 x 2.000 x .119 in CST ZND	6
32	496-21053	WASHER - .531 x 1‘.062 x .134 in HDN ZND	6
33	426-832	BOLT - Hex Hd .500 x 2.00 GR8 ZND	3
34	230-4218	NUT - Prev Trq 1/2 GRA CAD NonDir	3
35	AU117311	PLATE - Adjustable Ejection	2
36	AU100444	NUT, METRIC HEX FLANGE - M10, Zinc	8
37	AU116357	DECAL GROUP - 46” Rock Saw	1


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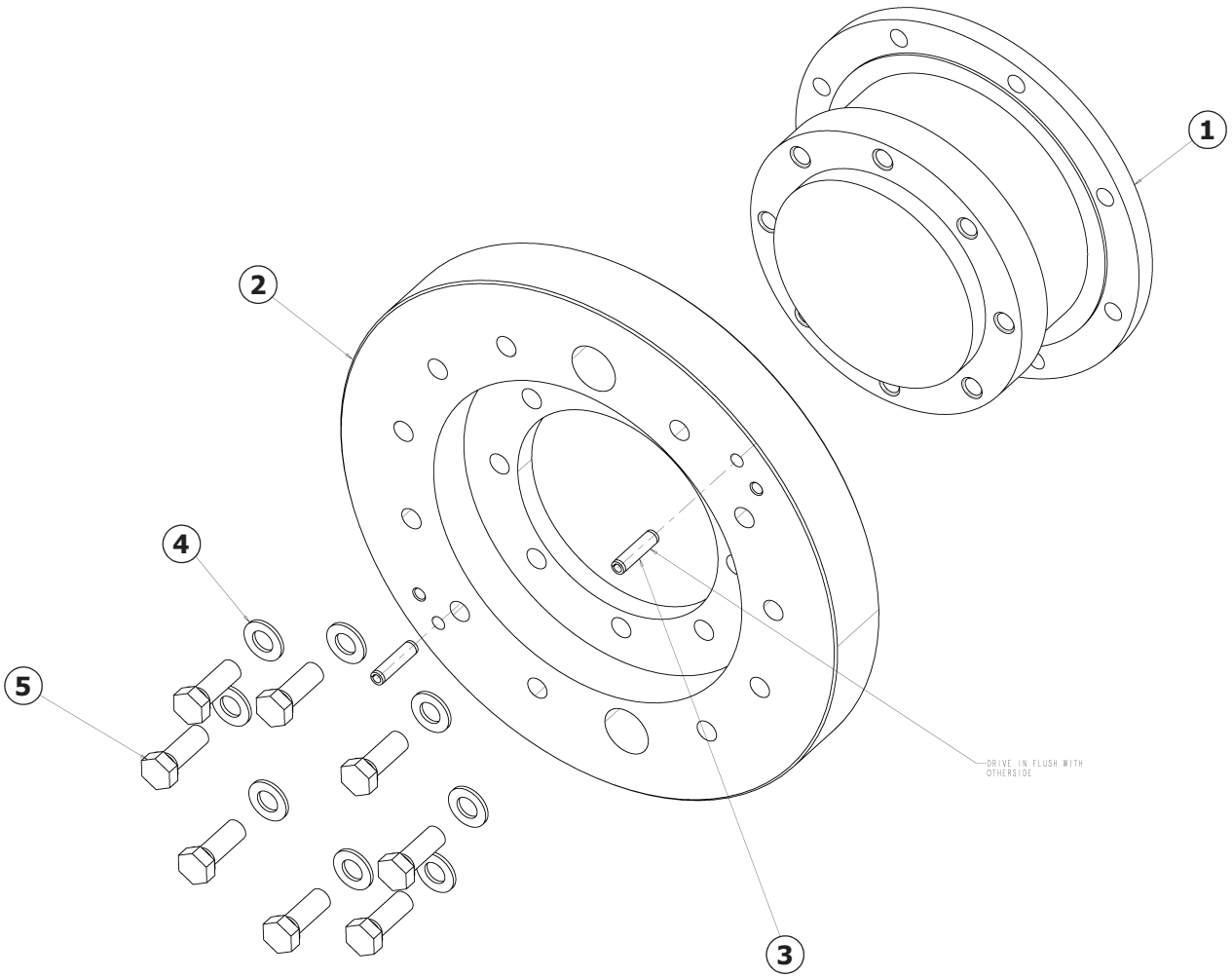
CYLINDER, HYDRAULIC

REF.	PART NO.	DESCRIPTION	REQ'D.
	8HC40027	CYLINDER - Hydraulic, 4" Bore x 12" Stroke	1
1	NSS	ASSEMBLY - Piston Rod	1
2	NSS	ASSEMBLY - Butt & Tube	1
3	NSS	PISTON	1
4	NSS	GLAND	1
5	NSS	NUT - Lock, 1-1/4 x 12	1
6	NSS	PLUG - Port	2
7	NSS	ZERK - Grease	2
8	NSS	RETAINER - Snap Ring	1
9	NSS	RING - Piston	1
10	NSS	O-RING	1
11	NSS	O-RING	2
12	NSS	WASHER - Back Up, Leather	2
13	NSS	WASHER - Back Up	1
14	NSS	CUP - U	1
15	NSS	WIPER	1
16	8HC40027-01	KIT - Seal	1


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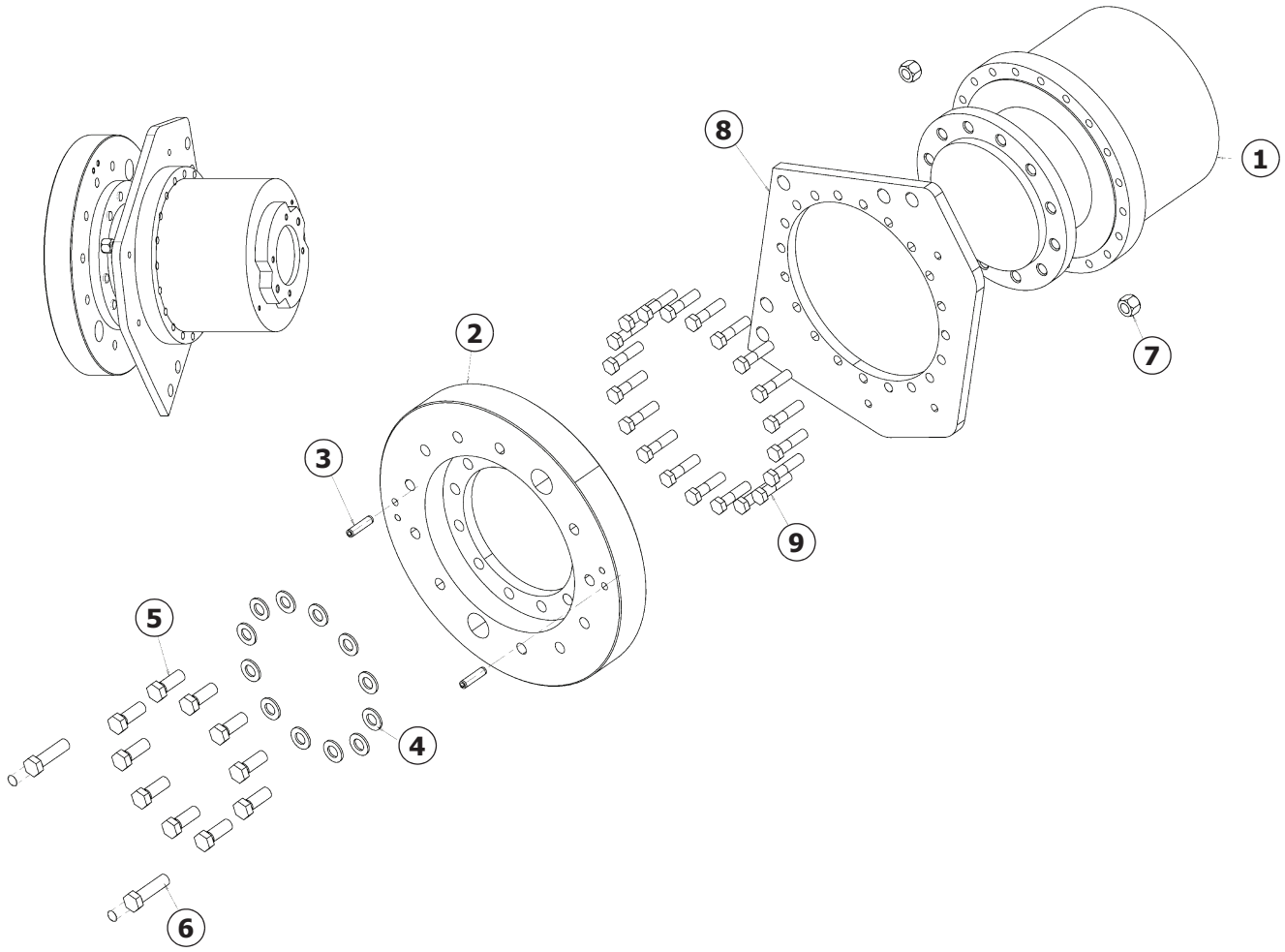
ROCK WHEEL ASSEMBLY, MOTOR/DISC, 40”

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU110716	ROCK WHEEL ASSEMBLY - Motor/Disc/Hardware, 40”	1
1	AU110678	WELDMENT - Wheel, 40” Cut	1
2	AU101067	WELDMENT - Side Cutter	12
3	496-11081	WASHER - 0.812 x 1.500 x 0.134 in Hdn ZND	50
4	232-41112	NUT - Prev Trq 3/4 GRC CAD Direct	25
5	426-1252	BOLT - Hex Hd 0.75 x 3.25 GR8 ZND	12
6	AU115745	ASSEMBLY - Model 9 Hub w/Adaptor Plate	1
7	AU115743	ASSEMBLY - Model 10 Gearbox w/Adaptor Plate	1
8	426-12120	BOLT - Hex Hd 0.75 x 7.50 GR8 ZND	9
9	426-1280	BOLT - Hex Hd 0.75 x 5.00 GR8 ZND	4
10	AU102460	PUMP - Sauer-Danfoss, 90 Series, 55cc	1
11	238-5243	O-RING - 0.125 x 4.125 in Class 5	1
12	496-21053	WASHER - 0.531 x 1.062 x 0.134 in Hdn ZND	4
13	426-828	BOLT - Hex Hd 0.500 x 1.75 GR8 ZND	4
14	AU101090	PLATE - Hub Mount	1
15	426-1040	BOLT - Hex Hd 0.625 x 2.50 GR8 ZND	8
16	232-41110	NUT - Prev Trq 5/8 GRC CAD Direct	8


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DRIVE IN FLUSH WITH OTHERSIDE

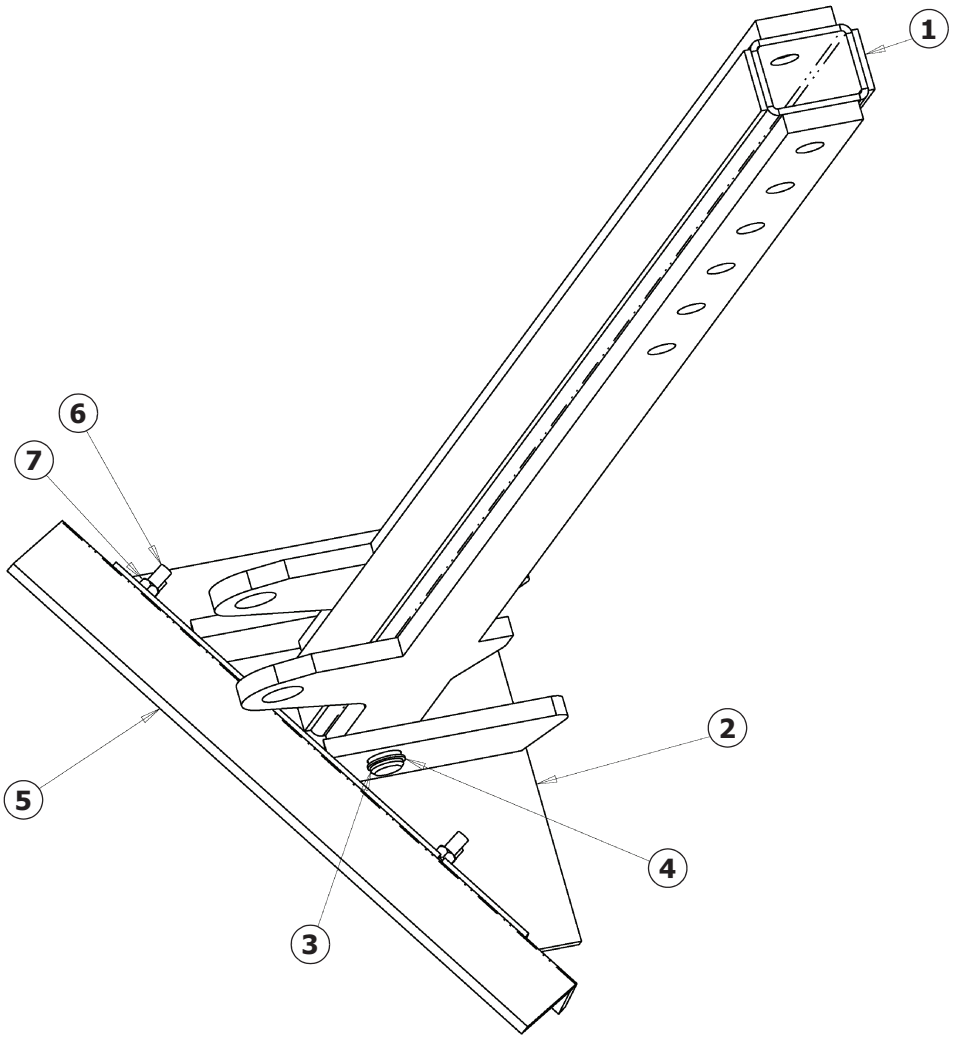
MODEL 9 HUB ASSEMBLY w/ADAPTER PLATE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU115745	ASSEMBLY - Model 9 Hub with Adapter Plate	1
1	AU100901	HUB - Model 82N Non-Powered	1
2	AU115744	PLATE - Hub Mount.	1
3	438-13248	PIN - Sltd Spring 0.50 x 2.00 in C-Z	2
4	496-11081	WASHER - 0.812 x 1.50 x 0.134 in Hdn ZND	8
5	426-1232	BOLT - Hex Hd 0.75 x 2.00 GR8 ZND.	8


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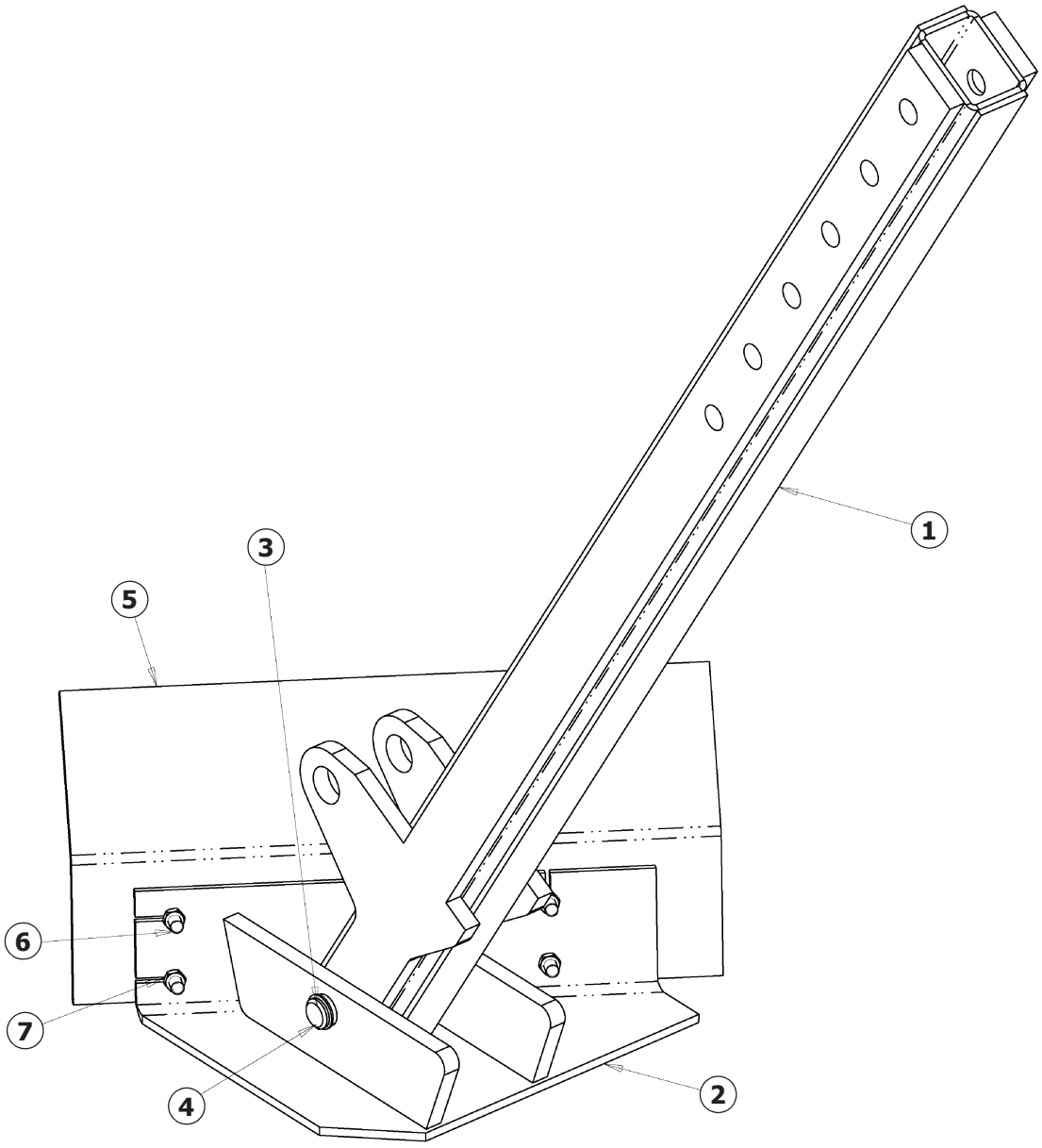
MODEL 10 GEARBOX ASSEMBLY w/ADAPTER PLATE

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU115743	ASSEMBLY - Model 10 Gearbox with Adapter Plate	1
1	AU115637	GEARBOX - Model 10 Spindle Output Drive	1
2	AU115742	PLATE - Gearbox Mount	1
3	438-13248	PIN - Sltd Spring 0.50 x 2.00 in C-Z	2
4	496-11081	WASHER - 0.812 x 1.50 x 0.134 in Hdn ZND	12
5	426-1232	BOLT - Hex Hd 0.75 x 2.00 GR8 ZND	10
6	428-1244	BOLT - Thd to Hd 0.75 x 2.75 GR8 ZND	2
7	232-46112	NUT - Prev Trq 3/4 GRC CAD Direct	2
8	AU102462	PLATE - Wheel Mount	1
9	426-1040	BOLT - Hex Hd 0.625 x 2.50 GR8 ZND	20


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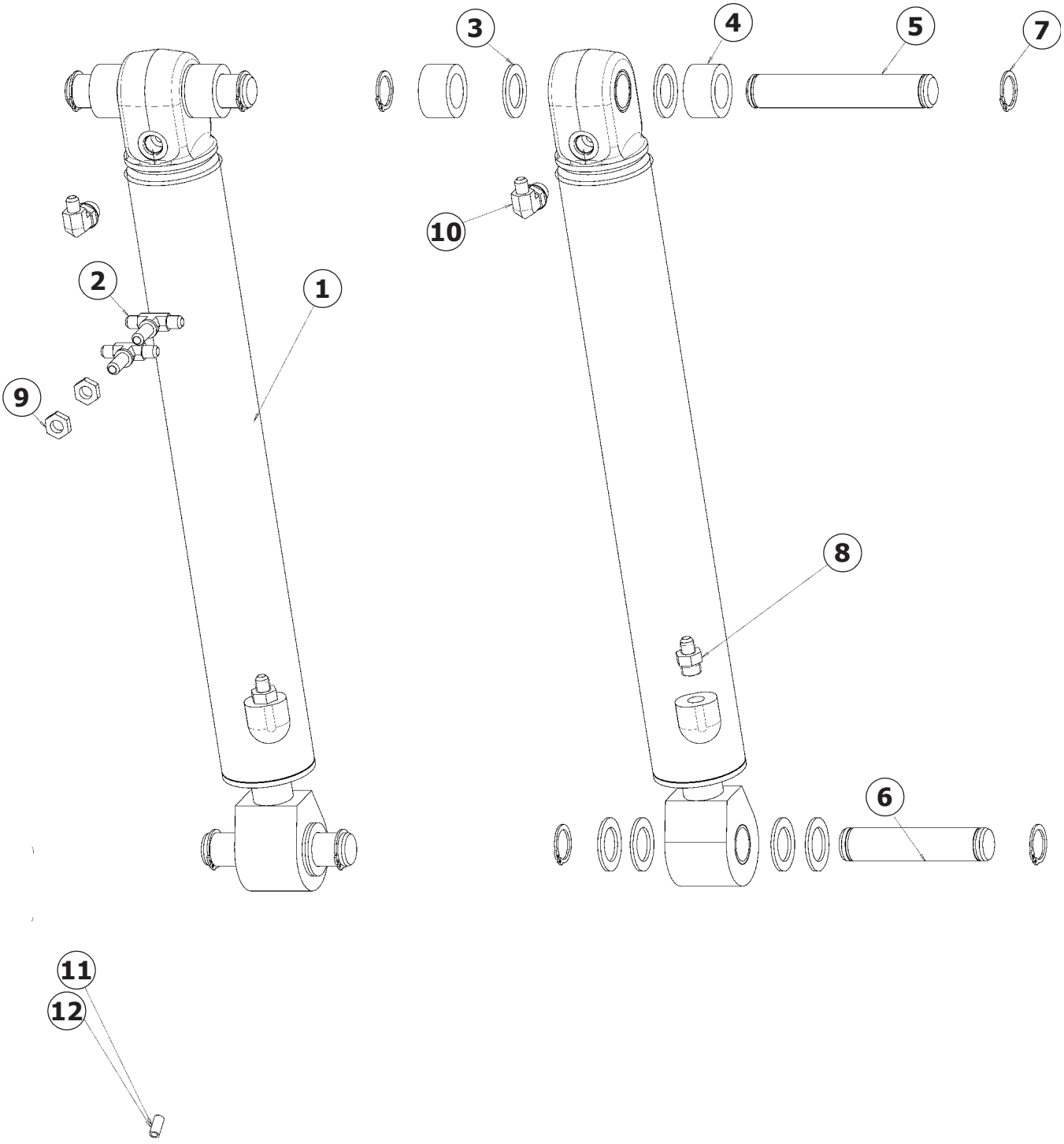
ROCK SAW STABILIZER, LH, 40”

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU110764	ASSEMBLY - Stabilizer, LH	1
1	AU110765	WELDMENT - Stabilizer Bar	1
2	AU101059	WELDMENT - Stabilizer Foot, LH	1
3	H436746	PIN - Pivot	1
4	103-16125	RING - Retainer	2
5	AU101182	PLATE - Berm Scraper	1
6	426-832	BOLT - Hex Hd 0.500 x 2.00 GR5 ZND	4
7	230-4218	NUT - Prev Trq 1/2 GRA CAD NonDir	4


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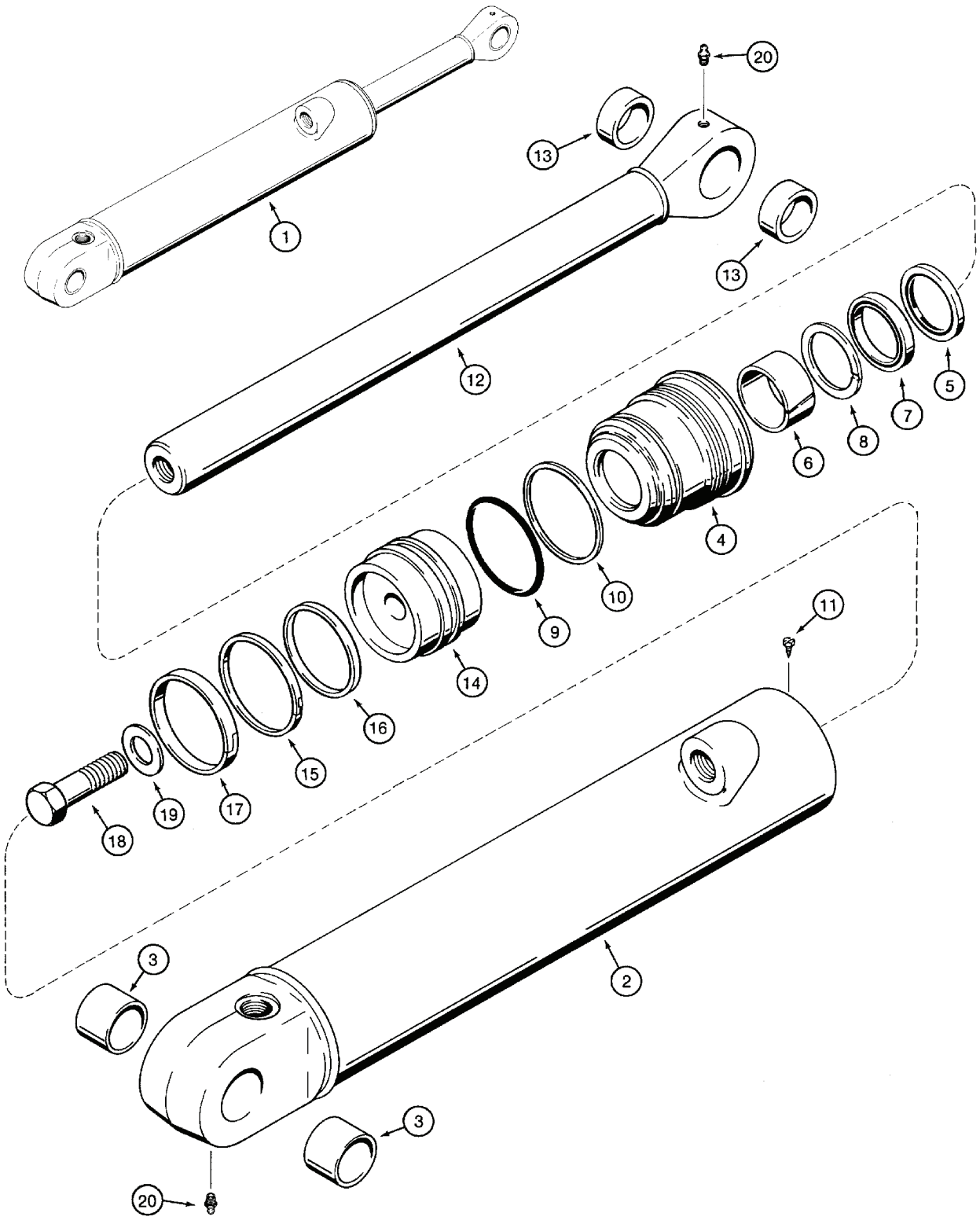
ROCK SAW STABILIZER, RH, 40”

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU110769	ASSEMBLY - Stabilizer, RH	1
1	AU110765	WELDMENT - Stabilizer Bar	1
2	AU101060	WELDMENT - Stabilizer Foot, RH	1
3	H436746	PIN - Pivot	1
4	103-16125	RING - Retainer	2
5	AU101182	PLATE - Berm Scraper	1
6	426-832	BOLT - Hex Hd 0.500 x 2.00 GR5 ZND	4
7	230-4218	NUT - Prev Trq 1/2 GRA CAD NonDir	4


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ROCKSAW STABILIZER GROUP

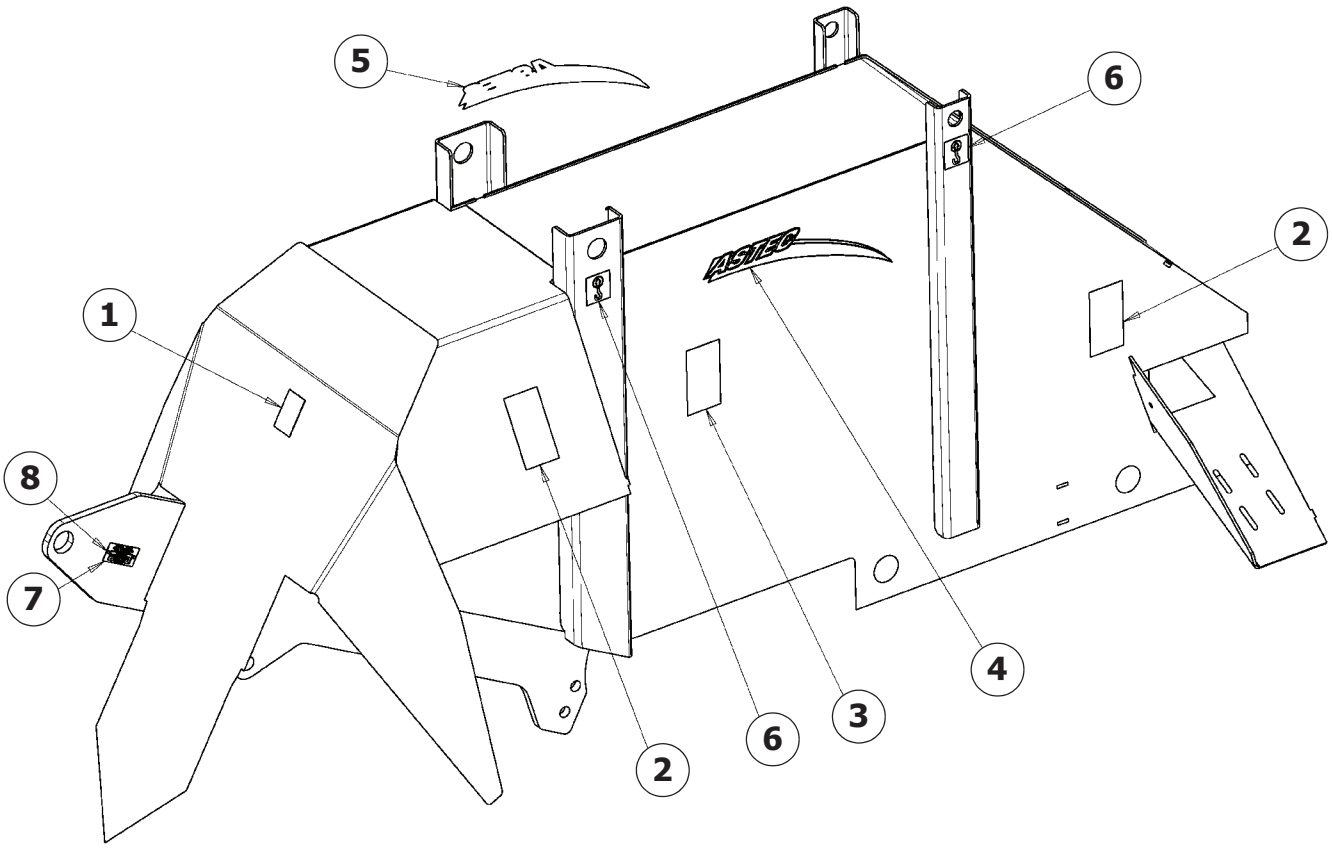
REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119087	ASSEMBLY - Rocksaw Stabilizer Group	1
1	1346411C3	CYLINDER - Hydraulic	2
2	218-804	TEE - Bulkhead BR 37FL 3/8 x 3/8 x 3/8	2
3	495-81203	WASHER - 1.281 x 2.000 x 0.119 in CST ZND	12
4	AU103053	SPACER - Pin	4
5	H436746	PIN, Pivot	2
6	H437323	PIN	2
7	103-16125	RING - Retainer	8
8	218-5058	CONNECTOR - Str Thd 3/8, 37FL - ORB 1/2	2
9	218-1254	NUT - Bhd Lock 9/16 - 18, 3/8 Tube	2
10	218-5128	ELBOW - 90 Adj 37FL 3/8 x 1/2 Tube	2
11	H433163	HOSE ASM -4 Hose, -6 Ends, 2252 mm	2
12	H249615	HOSE ASM -4 Hose, -6 Ends, 1625 mm	2

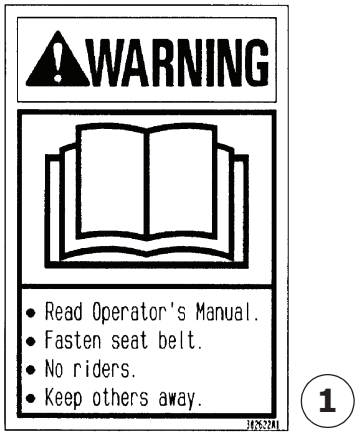

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ROCK SAW DIPPER CYLINDER

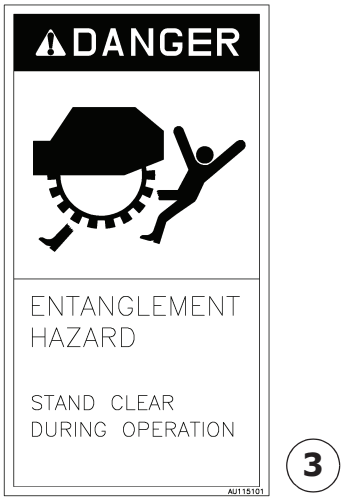
REF.	PART NO.	DESCRIPTION	REQ'D.
1	1346411C3	ASSEMBLY - Cylinder, 76 ID x 498 mm (3 x 19-5/8 in) Stroke	1
2	1346412C1	ASSEMBLY - Tube, Cylinder	1
3	R10754	BUSHING - Cylinder Tube	2
	1542954C1	ASSEMBLY - Gland, Cylinder	1
4	NSS	GLAND - Cylinder	1
5	D95142	WIPER - Piston Rod, Outer	1
6	G102424	BUSHING - Center, Gland	1
7	G107921	SEAL - U-Cup, Piston Rod, Wide, with O-Ring	1
7	G100776	SEAL - U-Cup, Piston Rod, Service Option, Severe Heat or Cold	1
8	G109093	SEAL - Piston Rod, Narrow, Grooved	1
9	238-5231	O-RING - 2-5/8 ID x 1/8 in Wide, Gland	1
10	G109298	RING - Backup, Gland O-Ring	1
11	G109395	SCREW - Self-Tapping, Hex Hd, 8 NC x 3/8 in	1
12	1346414C3	ASSEMBLY - Rod, Piston, 38 mm (1-1/2 in) Dia	1
13	30634	BUSHING - Piston Rod	1
14	1543369C1	PISTON - Cylinder	1
15	G102288	SEAL - Piston	1
16	G100444	RING - Backup, Piston Seal	1
17	G100449	RING - Wear, Piston	1
18	28-1640	BOLT - Hex Hd, 1 NF x 2-1/2 in, GR8	1
19	G32303	WASHER - Flat, Special, Hardened	1
20	219-1	FITTING - Grease, Straight, 1/8 PT x 21/32 in	1
	G110050	KIT - Seal, Cylinder Repair (Includes items 5 - 7, 8 - 10, 15 - 17)	1

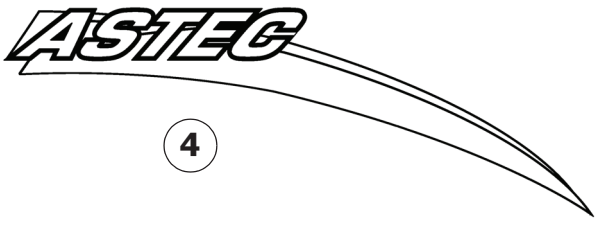
NOTE: The cylinder assembly part number is stamped on the cylinder tube.

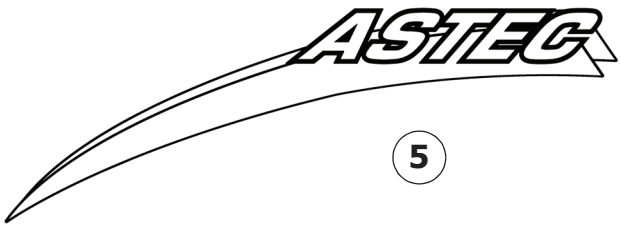

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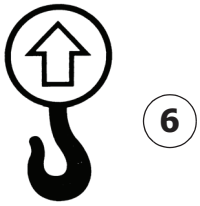

WARNING
• Read Operator's Manual.
• Fasten seat belt.
• No riders.
• Keep others away.
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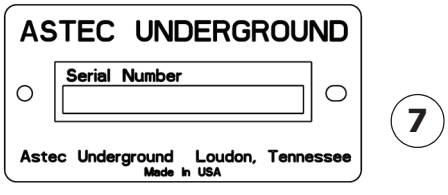

WARNING
FLYING OBJECT HAZARD
STAND CLEAR OF CONVEYOR DISCHARGE AREA
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DANGER
ENTANGLEMENT HAZARD
STAND CLEAR DURING OPERATION
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ASTEC
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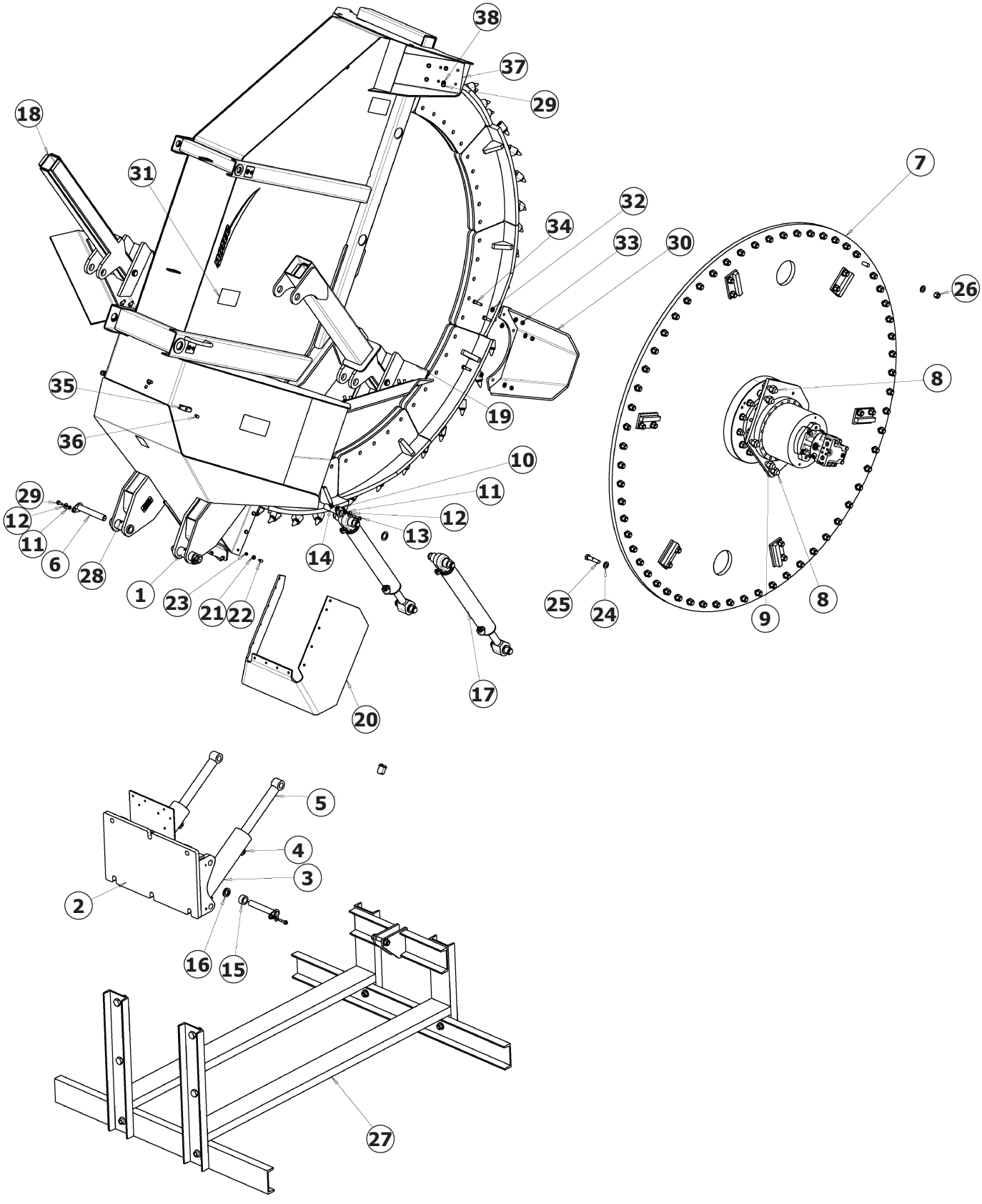

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ASTEC UNDERGROUND
Serial Number
Astec Underground Loudon, Tennessee
Made in USA
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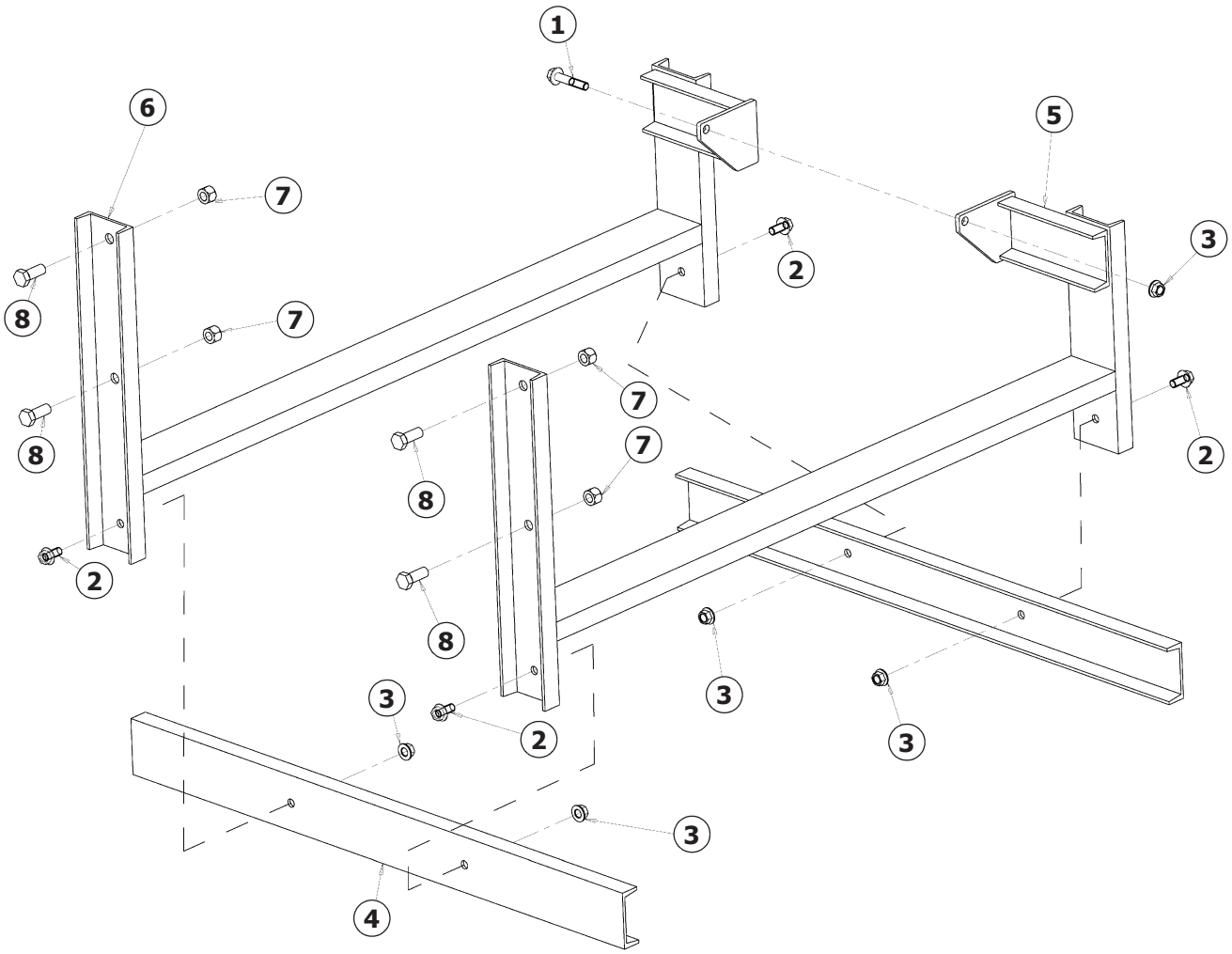
DECAL GROUP - 40” ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU117357	DECAL GROUP - 40” Rock Saw	1
1	382622	DECAL - Read Operators Manual	1
2	AU114743	DECAL - Warning, Thrown Object Hazard	4
3	AU115101	DECAL - Danger, Rocksaw Entanglement Hazard	2
4	AU108118	DECAL - Astec.	1
5	AU110442	DECAL - Astec.	1
6	139729A1	DECAL - Lift Hook Location	4
7	AU100572	PLATE - Serial Number	1
8	AU104193	FASTENER - Steel Tack	2


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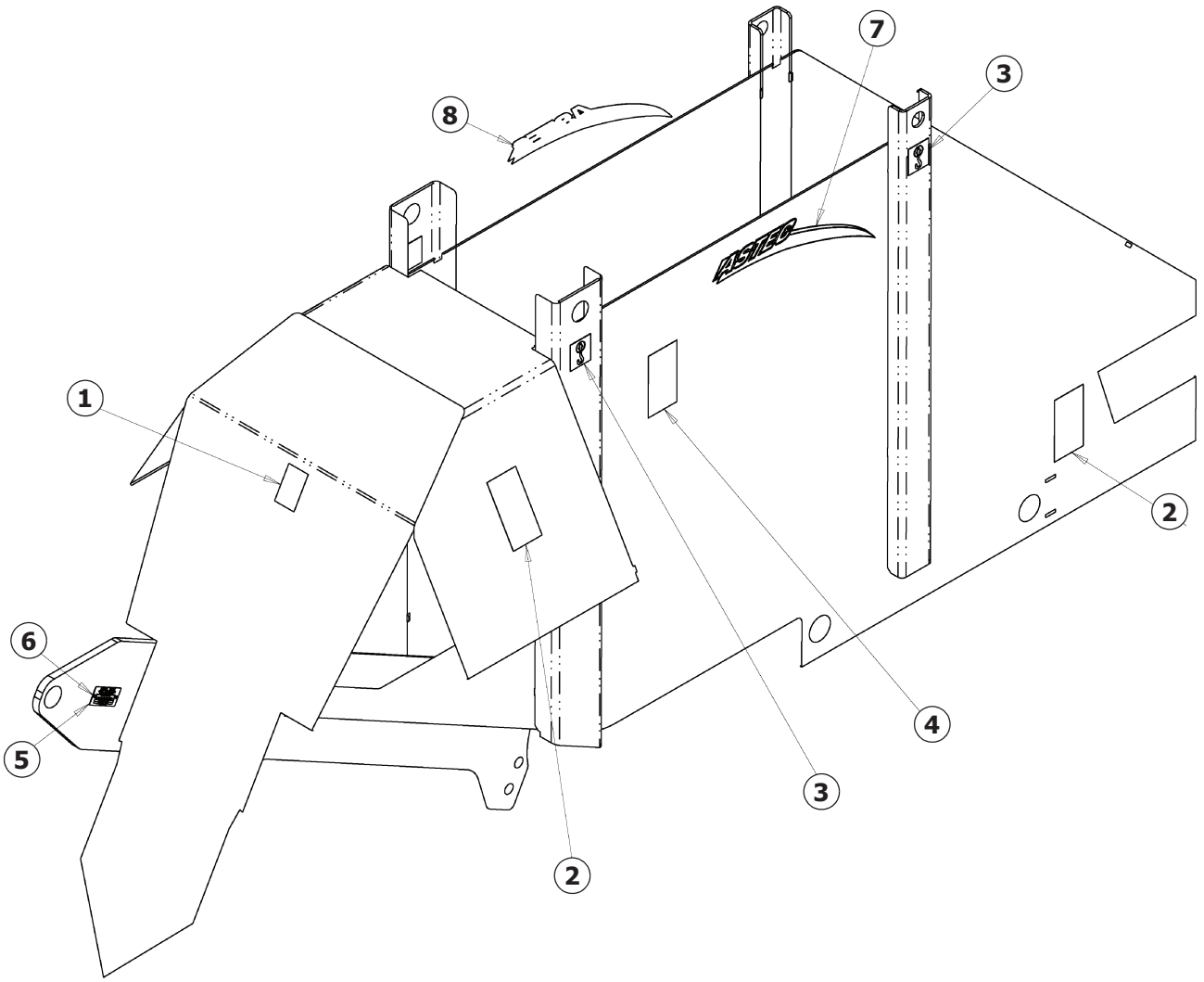
ROCKSAW ASSEMBLY, 46” DEPTH

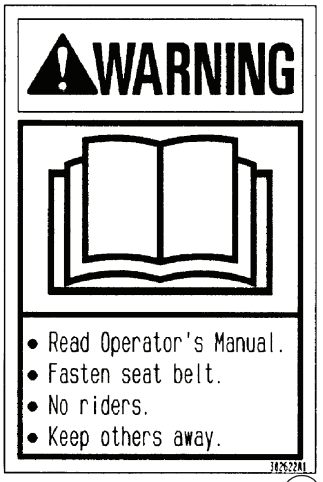
REF.	PART NO.	DESCRIPTION	REQ’D.
	AU118934	ROCKSAW - 46” Depth	1
1	AU116072	FRAME WELDMENT - Rock Wheel	1
2	AU115723	WELDMENT - Rock Wheel Mount	1
3	8HC40027	CYLINDER - Hydraulic, Base	2
4	218-5057	CONNECTOR - Str Thd 3/8, 37FL-ORB 3/8	4
5	8HC40027	CYLINDER - Hydraulic, Rod	2
6	AU111339	PIN - Pivot with Flag	4
7	AU110716	WHEEL ASSEMBLY - Motor/Disc/Hardware	1
8	426-1648	BOLT - Hex Hd 1 x 3 GR5 ZND	10
9	232-41116	NUT - Prev Trq 1” GRC CAD Direct	10
10	AU115795	PIN - Pivot with Flag	2
11	349192A1	SPACER - Pin	6
12	496-41041	WASHER - 0.406 x 1.125 x .134 in CST ZND	6
13	AU100333	SCREW, METRIC FLANGE w/BODY - M10 x 50	4
14	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	4
15	AU117187	SPACER - Pin	2
16	495-81203	WASHER - 1.281 x 2.000 x .119 in CST ZND	6
17	AU119087	STABILIZER GROUP - Rock Saw	1
18	AU110769	ASSEMBLY - Stabilizer, RH	1
19	AU110764	ASSEMBLY - Stabilizer, LH	1
20	AU115648	SKIRT - Rock Wheel	1
21	495-11041	WASHER - .406 x 0.812 x .065 in CST ZND	14
22	426-624	BOLT - Hex Hd .375 x 1.50 GR5 ZND	14
23	230-4216	NUT - Prev Trq 3/8 GRA CAD Non-Direct	14
24	496-11081	WASHER - .812 x 1.50 x .134 in HDN ZND	120
25	426-1252	BOLT - Hex Hd .75 x 3.25 GR8 ZND	60
26	232-41112	NUT - Prev Trq 3/4 GRC CAD Direct	60
27	AU116459	STAND - Rock Saw	1
28	219-1	FITTING - Lube, 1/8 - 27 Dryseal PTF	2
29	AU100877	SCREW, METRIC FLANGE w/BODY - M10 x 30	10
30	AU102474	WELDMENT - Motor Guard	1
31	AU116537	DECAL GROUP - 46” Rock Saw	1
32	496-21053	WASHER - .531 x 1‘.062 x .134 in HDN ZND	6
33	230-4218	NUT - Prev Trq 1/2 GRA CAD NonDir	3
34	426-832	BOLT - Hex Hd .500 x 2.00 GR8 ZND	3
35	D120679	RETAINER - Hose	2
36	426-622	BOLT - Hex Hd .375 x 1.375 GR8 ZND	2
37	AU117311	PLATE - Adjustable Ejection	2
38	AU100444	NUT, METRIC HEX FLANGE - M10, Zinc	8


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STAND, 46” ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU116459	STAND - 46” Rocksaw	1
1	AU100377	SCREW, METRIC FLANGE w/BODY - M20 x 100	1
2	AU100429	SCREW, METRIC FLANGE FULL - M20 x 40	4
3	AU100447	NUT, METRIC HEX FLANGE - M20, Zinc	5
4	AU109500	CHANNEL	2
5	AU116457	STAND - RH	1
6	AU116458	STAND - LH	1
7	232-41116	NUT - Prev Trq 1” GRA CAD DIRECT	4
8	426-1640	BOLT - Hex Hd 1.00 x 2.50 GR8 ZND	4

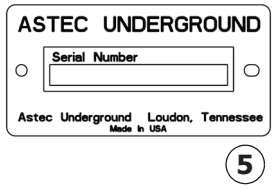

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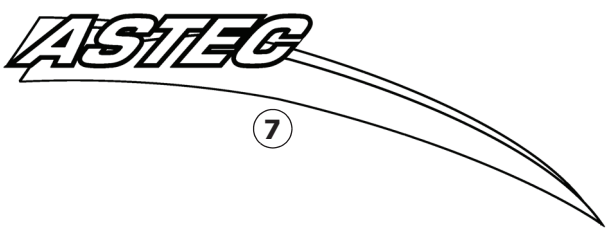

WARNING
• Read Operator's Manual.
• Fasten seat belt.
• No riders.
• Keep others away.
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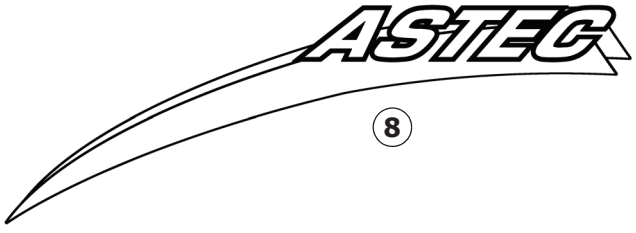

WARNING
FLYING OBJECT HAZARD
STAND CLEAR OF CONVEYOR DISCHARGE AREA
AU114743
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DANGER
ENTANGLEMENT HAZARD
STAND CLEAR DURING OPERATION
AU115101
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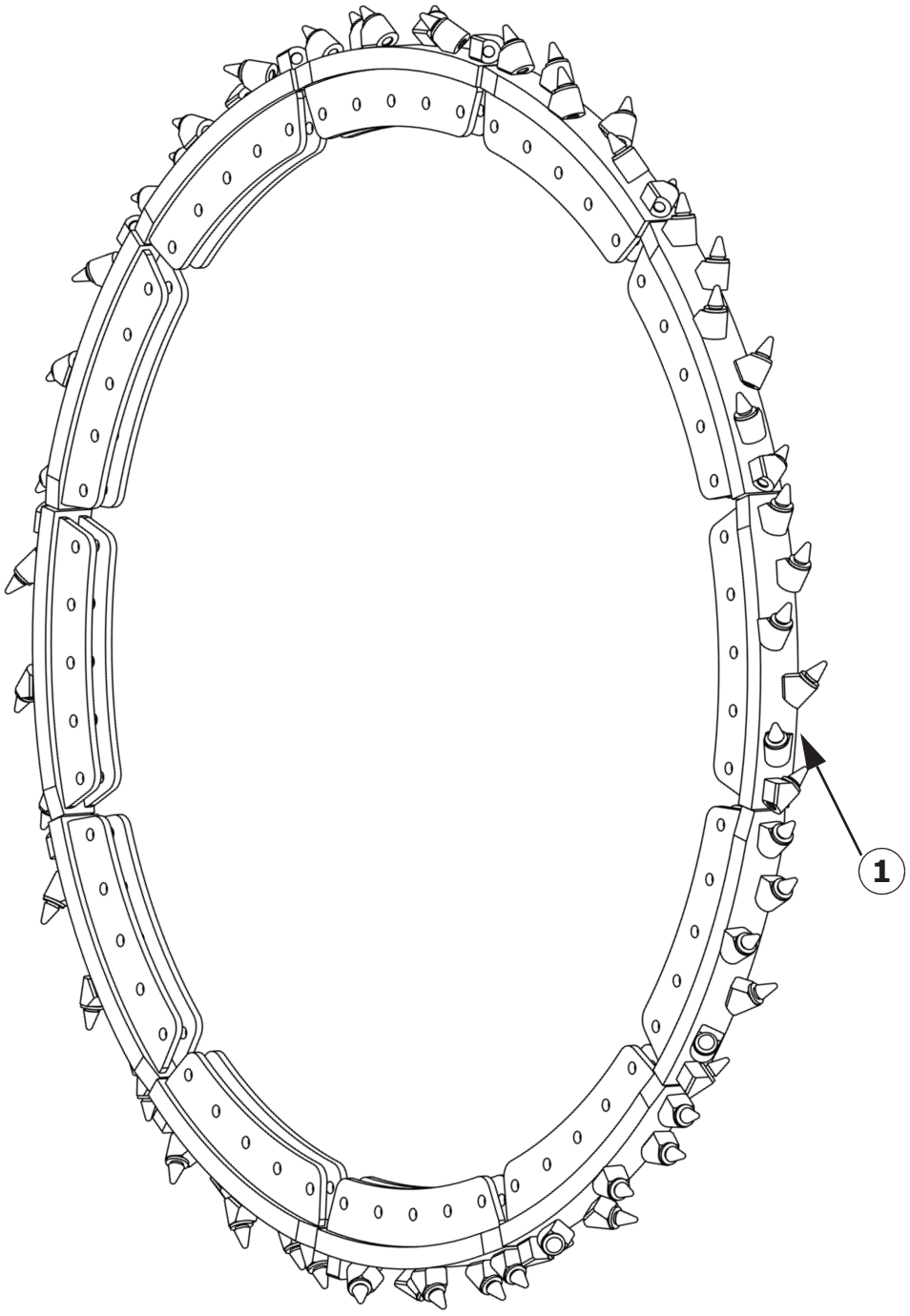

ASTEC UNDERGROUND
Serial Number
Astec Underground Loudon, Tennessee
Made in USA
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ASTEC
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ASTEC
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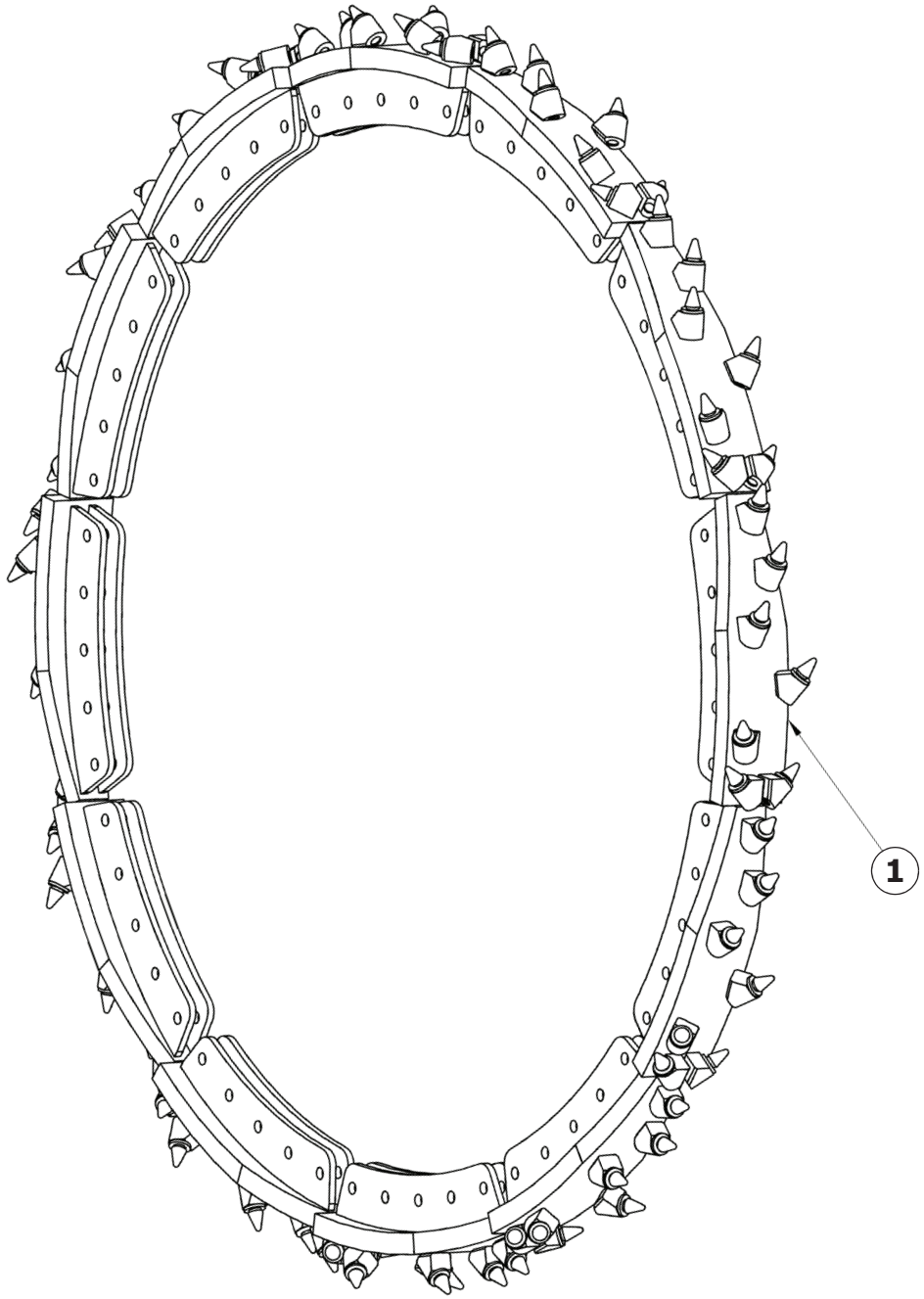
DECALS, 46" ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU116537	DECALS - 46" Rocksaw	1
1	382622A1	DECAL - Warning, General Operation	1
2	AU114743	DECAL - Warning, Thrown Objects Hazard	4
3	139729A1	DECAL - Lift Hook Location	4
4	AU115101	DECAL - Danger, Rocksaw Entanglement Hazard	2
5	AU100572	PLATE - Serial Number	1
6	AU104193	FASTENER - Steel Tack	2
7	AU108118	DECAL - Astec	1
8	AU110442	DECAL - Astec	1


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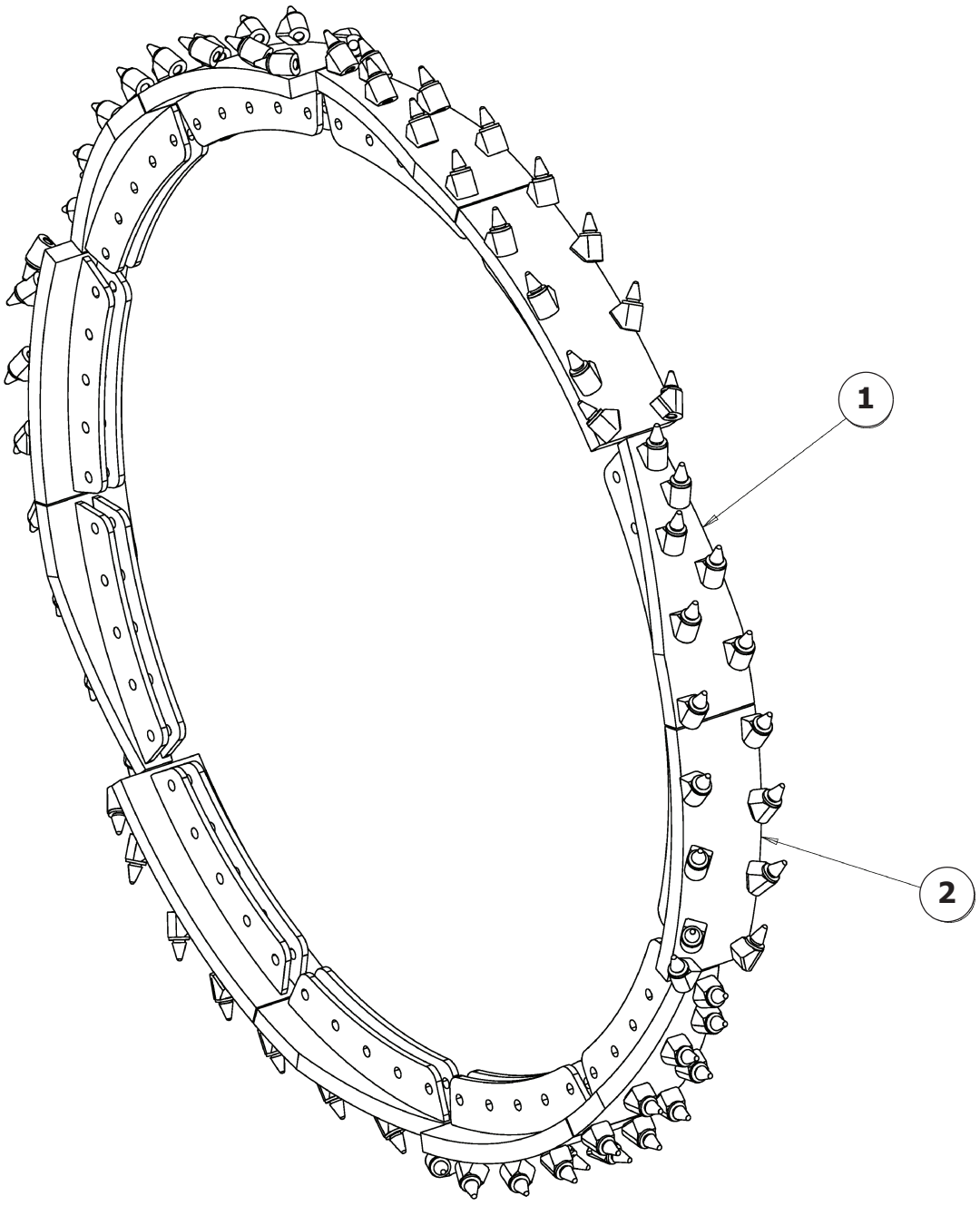
4” CUT ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU107965	ASSEMBLY - 4” Cut Rockwheel	1
1	AU107964	WELDMENT - Segment A, 36” Rockwheel, 4” Cut	12


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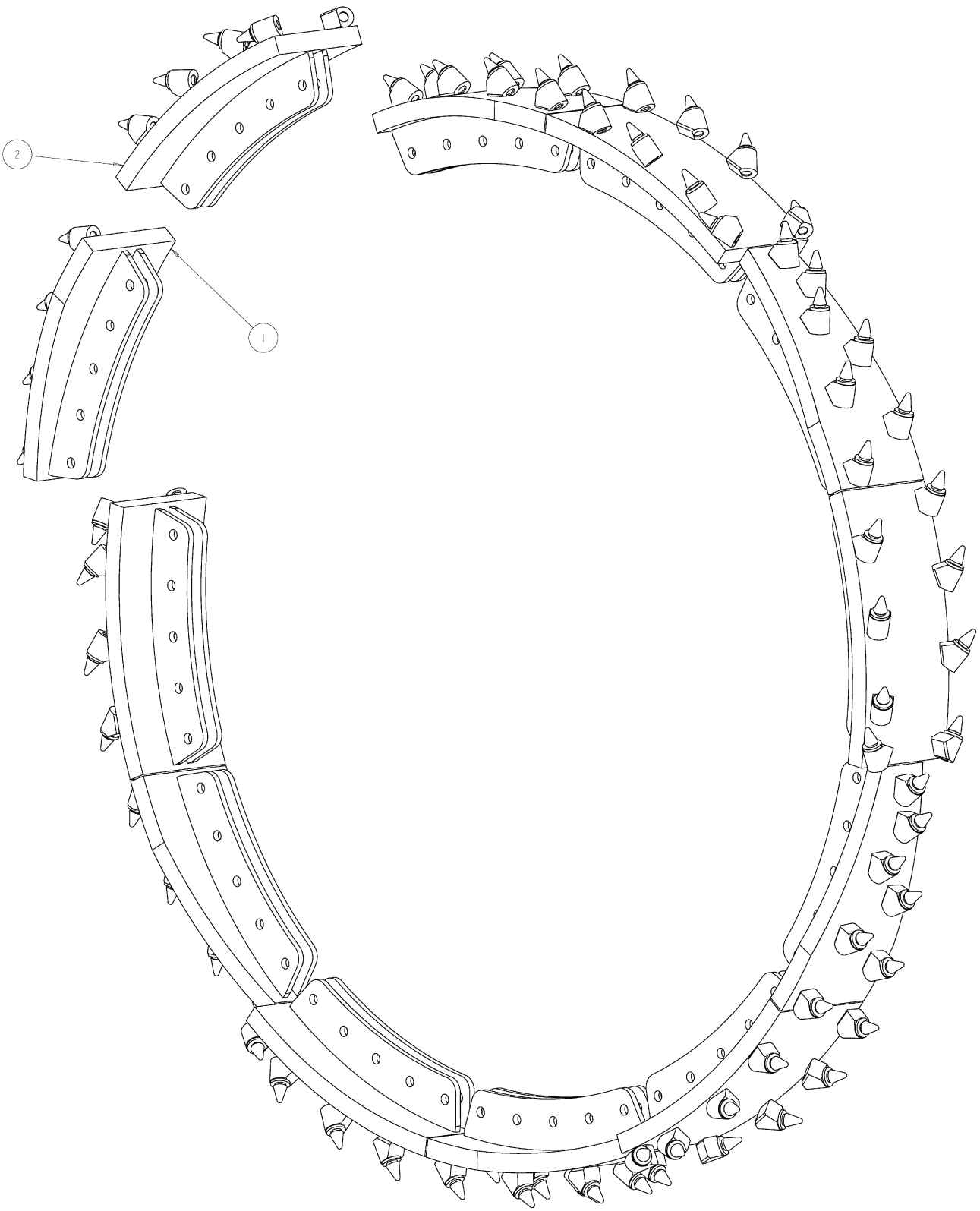
6” CUT ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU102466	ASSEMBLY - 6” Cut Rockwheel	1
1	AU102521	WELDMENT - Segment A, 36” Rockwheel, 6” Cut	12


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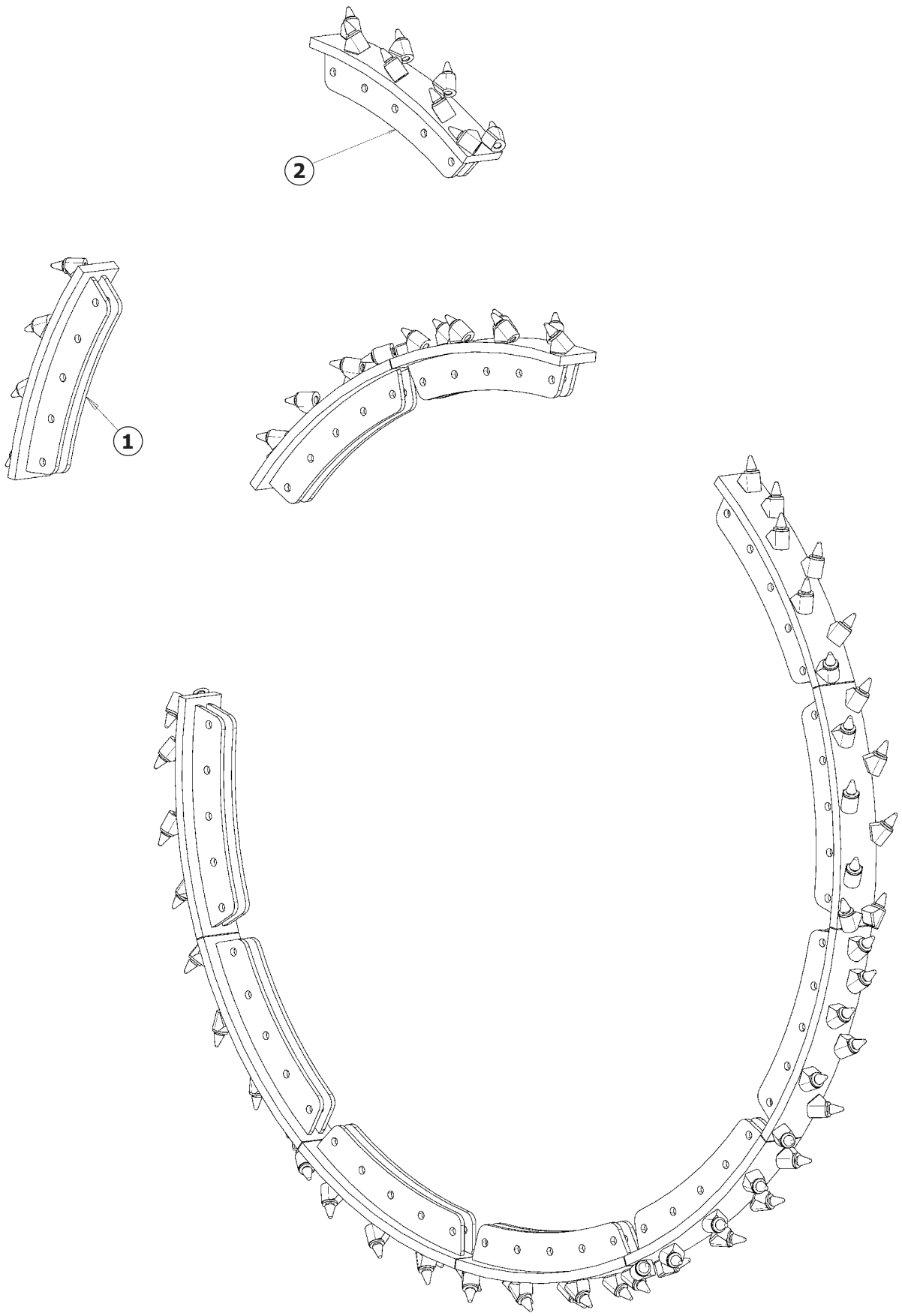
8” CUT ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU102467	ASSEMBLY - 8” Cut Rockwheel	1
1	AU102522	WELDMENT - Segment A, 36” Rockwheel, 6” Cut	6
2	AU102524	WELDMENT - Segment B, 36” Rockwheel, 8” Cut	6


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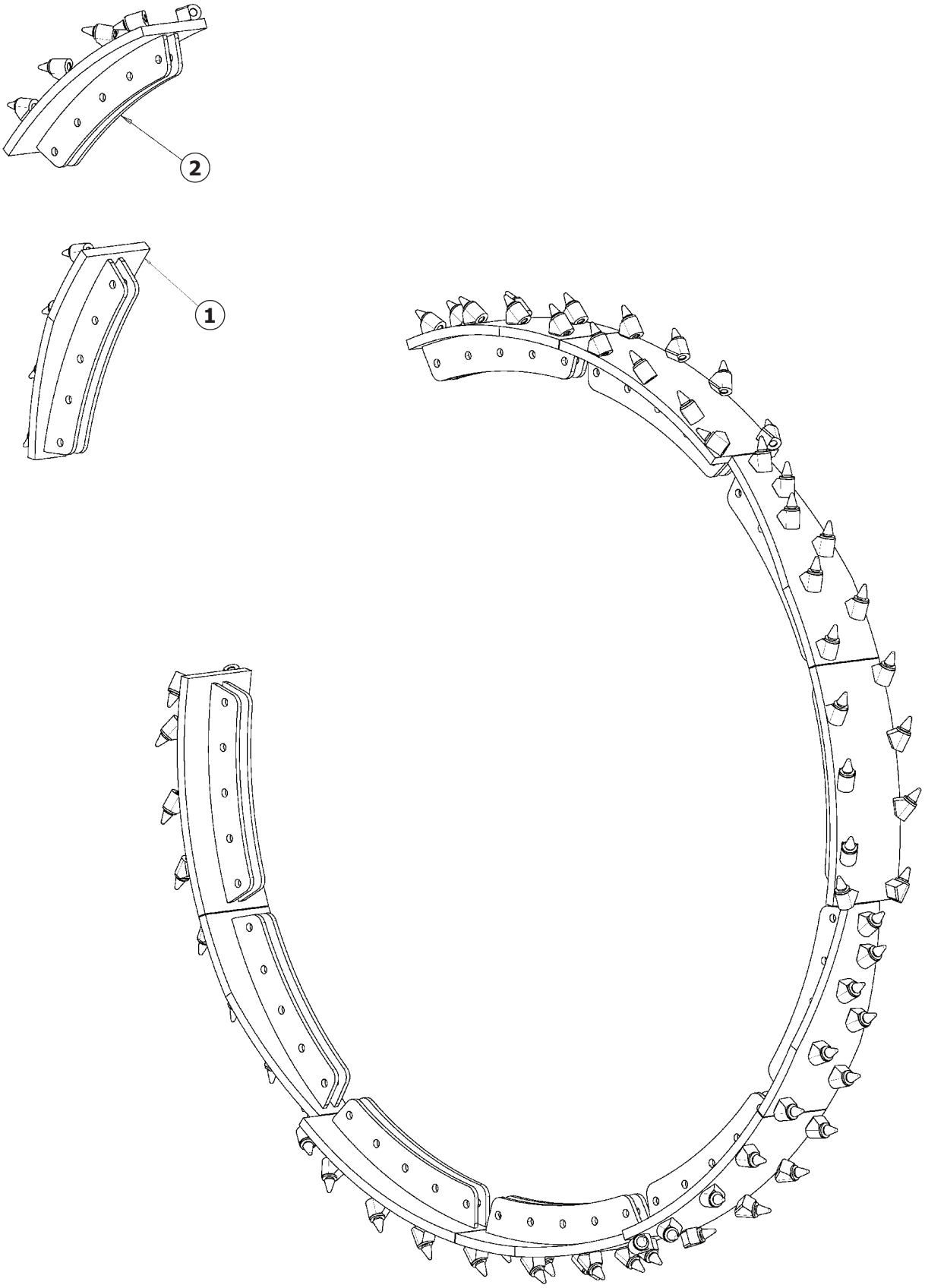
10” CUT ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU102468	ASSEMBLY - 10” Cut Rockwheel	1
1	AU100909	WELDMENT - Segment A, 36” Rockwheel, 10” Cut	6
2	AU101052	WELDMENT - Segment B, 36” Rockwheel, 10” Cut	6


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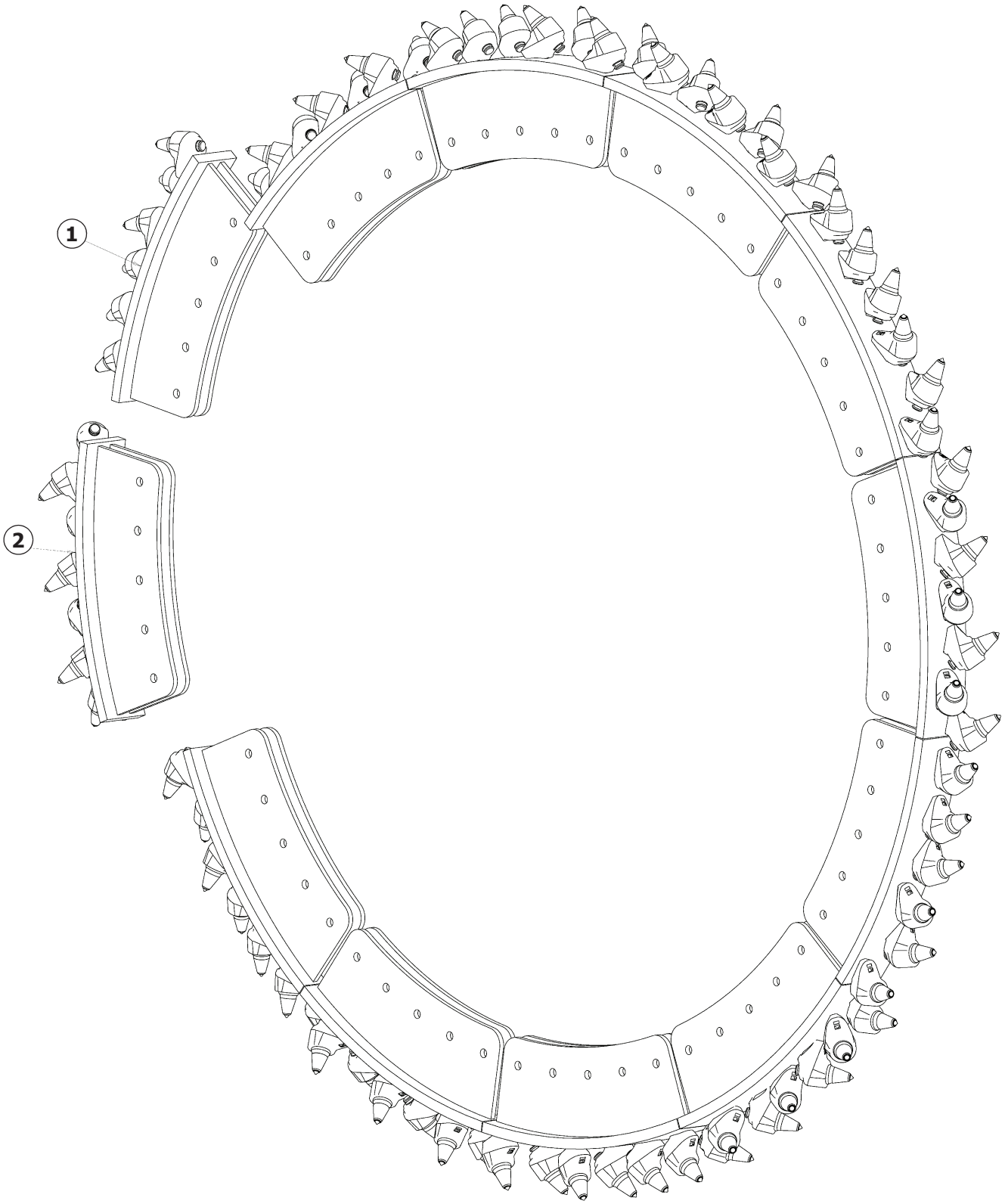
6” CUT 40” ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU121345	ASSEMBLY - 6” Cut, 40” Rockwheel	1
1	AU121346	WELDMENT - Segment A, 40” Rockwheel, 6” Wide Cut	6
2	AU121348	WELDMENT - Segment B, 40” Rockwheel, 6” Wide Cut	6


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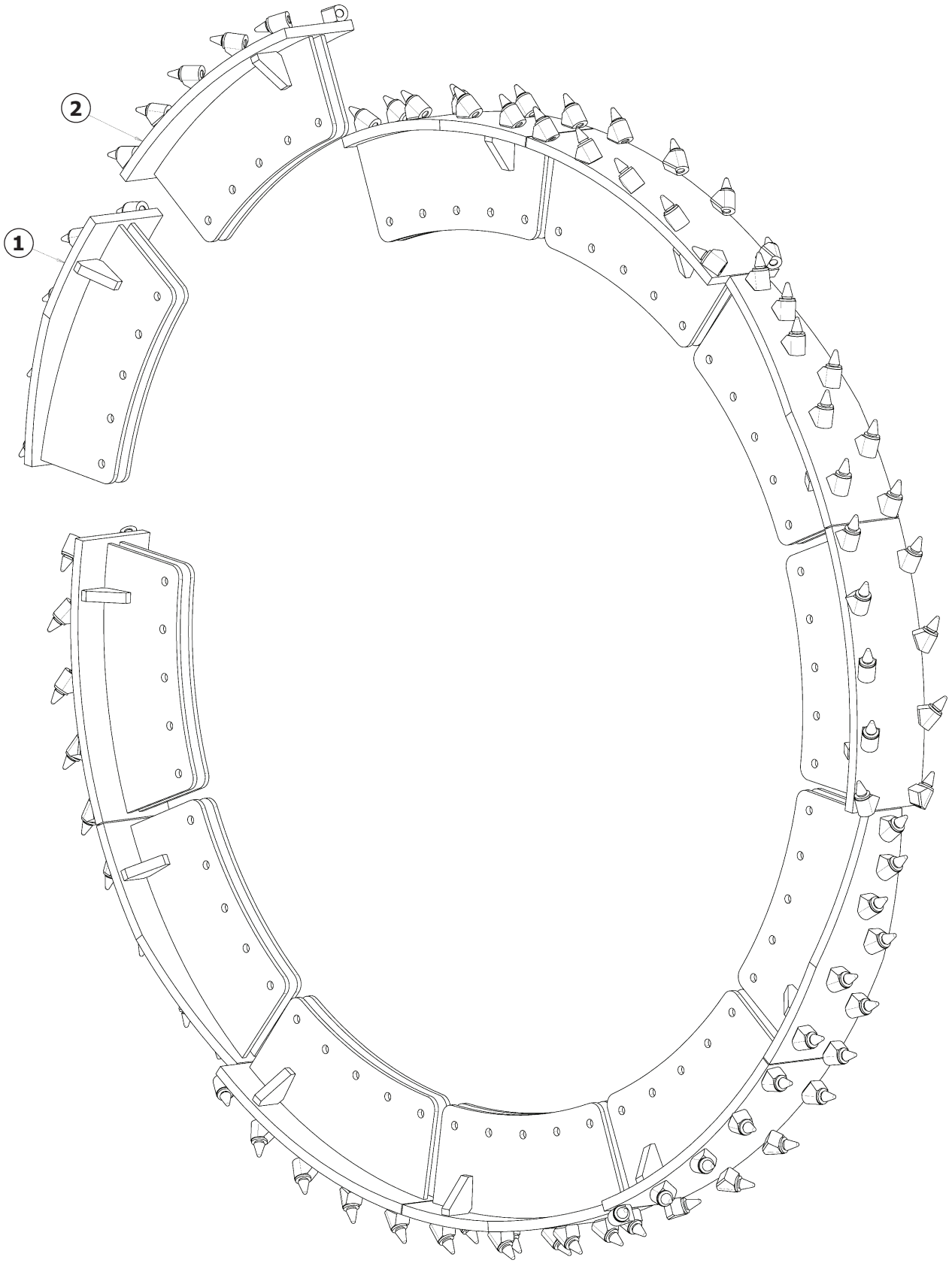
10” CUT 40” ROCKWHEEL

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU110824	ASSEMBLY - 10” Cut, 40” Rockwheel	1
1	AU110825	WELDMENT - Segment A, 40” Rockwheel, 10” Wide Cut	6
2	AU110828	WELDMENT - Segment B, 40” Rockwheel, 10” Wide Cut	6


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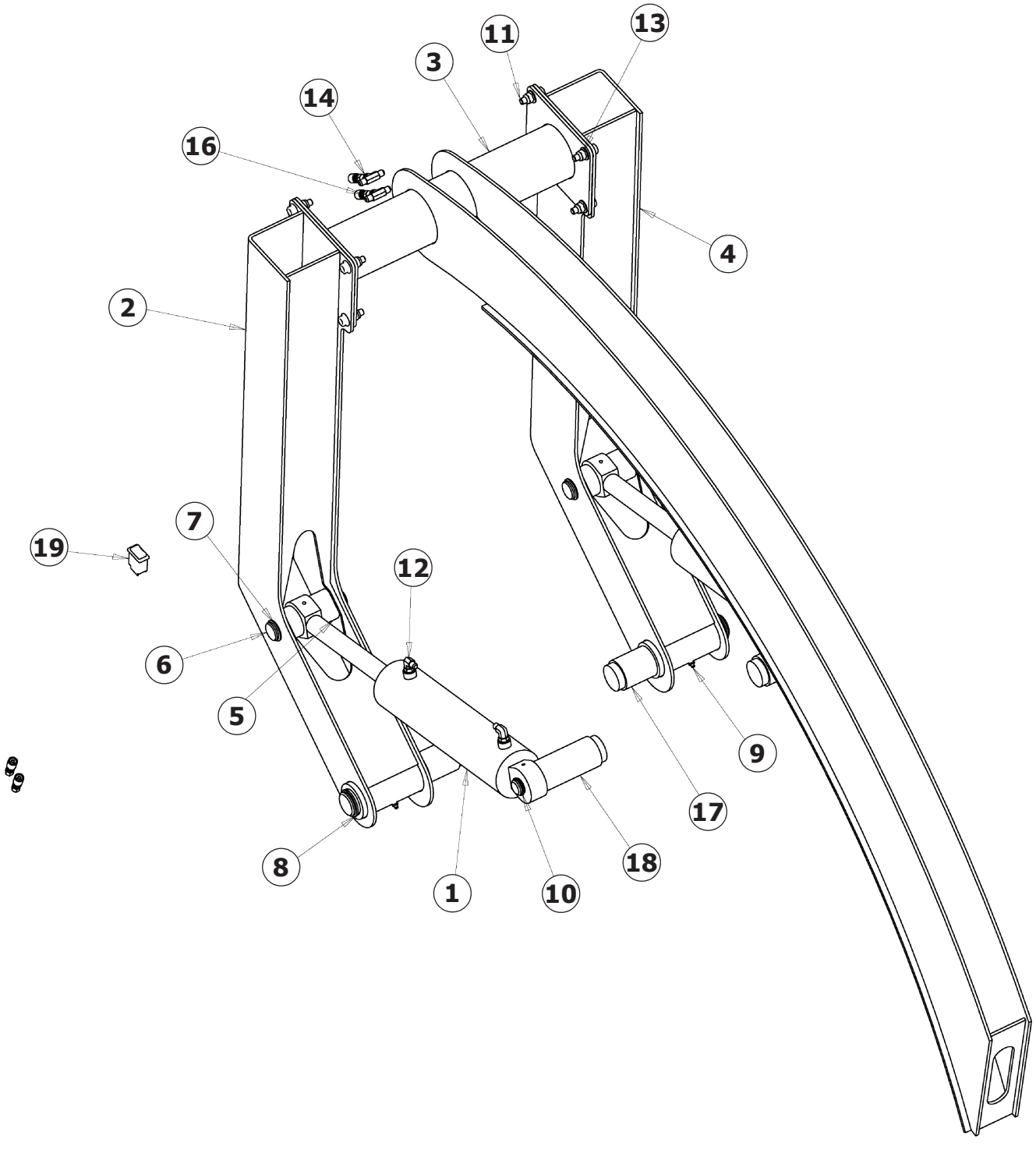
TEETH SEGMENTS, 46” ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU117350	Teeth Segments - 46” Rocksaw	1
1	AU117349	WELDMENT - Segment A, 46” Cut, 6” Wide	6
2	AU117348	WELDMENT - Segment B, 46” Cut, 6” Wide	6


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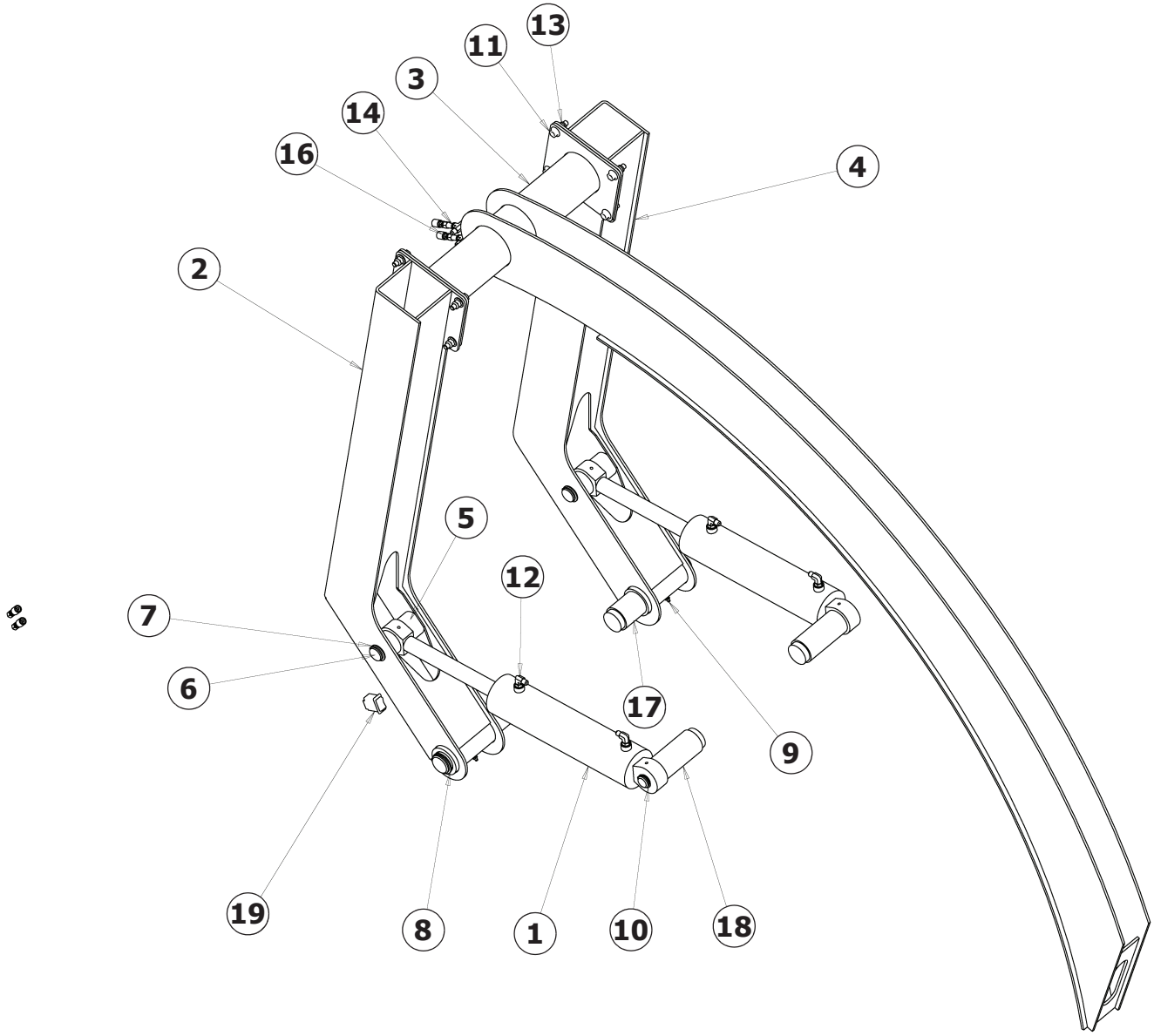
TEETH SEGMENTS, 46” ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU117172	Teeth Segments - 46” Rocksaw	1
1	AU117170	WELDMENT - Segment A, 46” Cut, 10” Wide	6
2	AU117171	WELDMENT - Segment B, 46” Cut, 10” Wide	6


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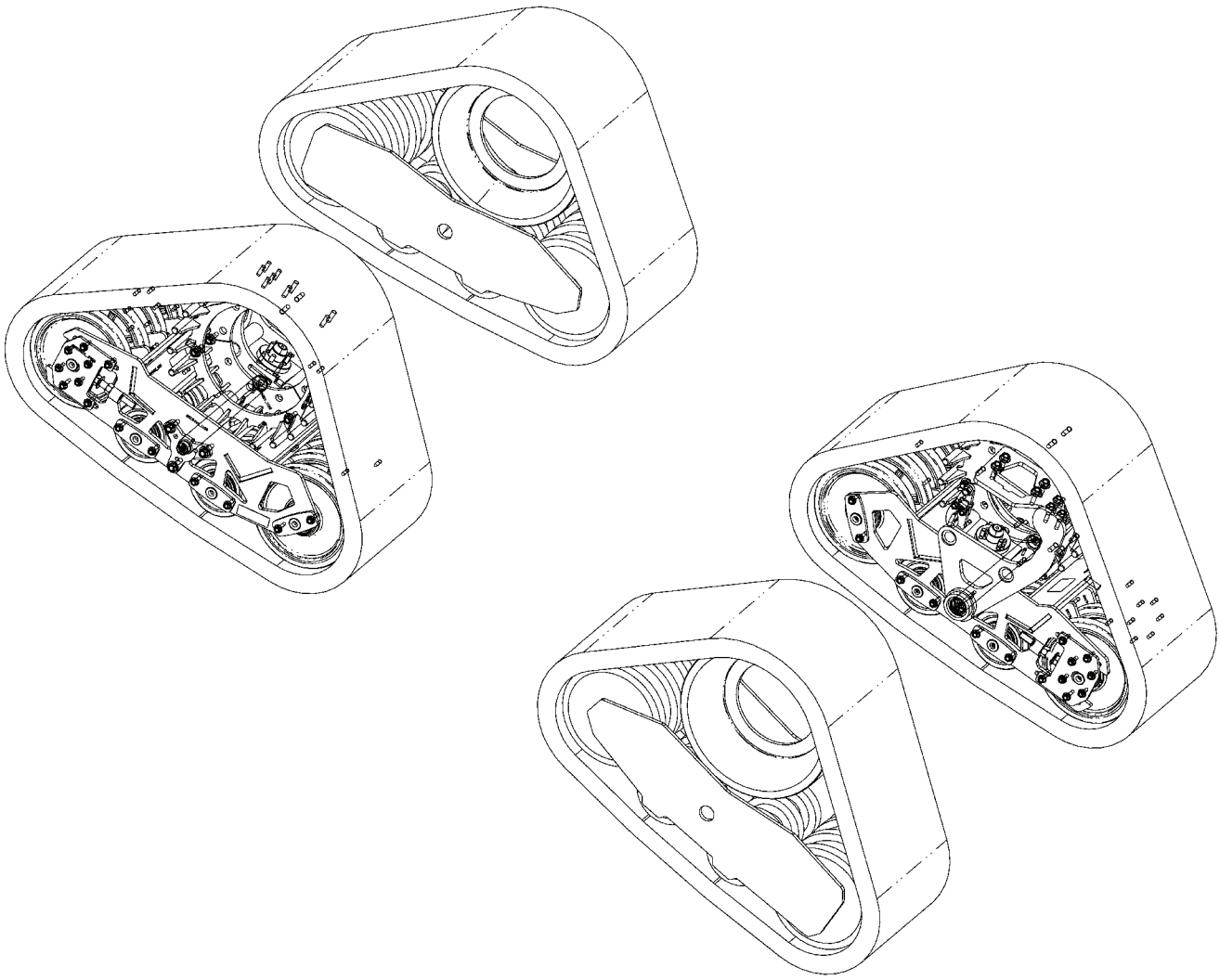
CRUMBER ASSEMBLY, ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU118930	ASSEMBLY - Crumber, Rock Saw	1
1	AU118918	CYLINDER - Hydraulic	2
2	AU115853	ARM - Crumber	1
3	AU115860	GUARD - Crumber	1
4	AU115867	ARM - Crumber	1
5	AU115655	BUSHING - Pivot	4
6	H437348	PIN - Boom Cylinder to Boom	2
7	D25279	RING - Retainer	4
8	103-16200	RING - Retainer	2
9	219-1	FITTING - Lube, 1/8 - 27 Dryseal PTF	2
10	103-16125	RING - Retainer	2
11	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	8
12	218-5105	ELBOW - 90 Adj 37FL 3/8 Tube	4
13	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	8
14	218-804	TEE - Bulkhead BR 37FL 3/8 x 3/8 x 3/8	2
15	139517C1	ASSEMBLY - Hydraulic Hose	4
16	H438199	FITTING	2
17	AU115871	PIN	2
18	AU115824	PIN	2
19	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
20	AU119090	CARTRIDGE	1


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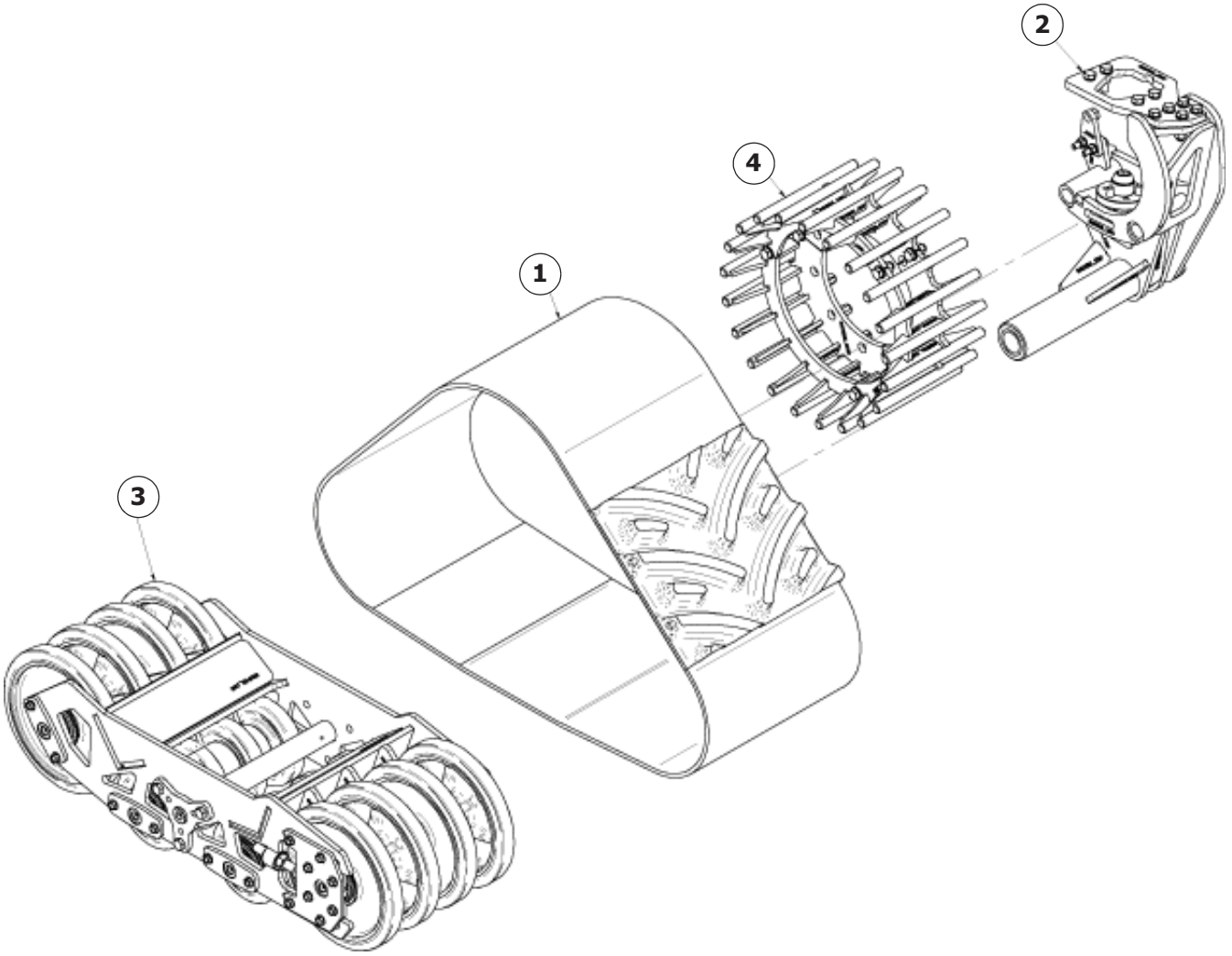
CRUMBER ASSEMBLY, 46” ROCK SAW

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU118931	ASSEMBLY - Crumber, 46” Rock Saw	1
1	AU118918	CYLINDER - Hydraulic	2
2	AU116472	ARM - Crumber	1
3	AU116475	GUARD - Crumber	1
4	AU116471	ARM - Crumber	1
5	AU115655	BUSHING - Pivot	4
6	H437348	PIN - Boom Cylinder to Boom	2
7	D25279	RING - Retainer	4
8	103-16200	RING - Retainer	2
9	219-1	FITTING - Lube, 1/8 - 27 Dryseal PTF	2
10	103-16125	RING - Retainer	2
11	AU100830	SCREW, METRIC FLANGE w/BODY - M12 x 40	8
12	218-5105	ELBOW - 90 Adj 37FL 3/8 Tube	4
13	AU100528	NUT, METRIC FLANGE PREVAILING - M12, Zinc	8
14	218-804	TEE - Bulkhead BR 37FL 3/8 x 3/8 x 3/8	2
15	139517C1	ASSEMBLY - Hydraulic Hose	4
16	H438199	FITTING	2
17	AU115871	PIN	2
18	AU115824	PIN	2
19	AU113664	SWITCH - Rocker, (ON) - OFF - (ON), 2 Pole	1
20	AU119090	CARTRIDGE	1



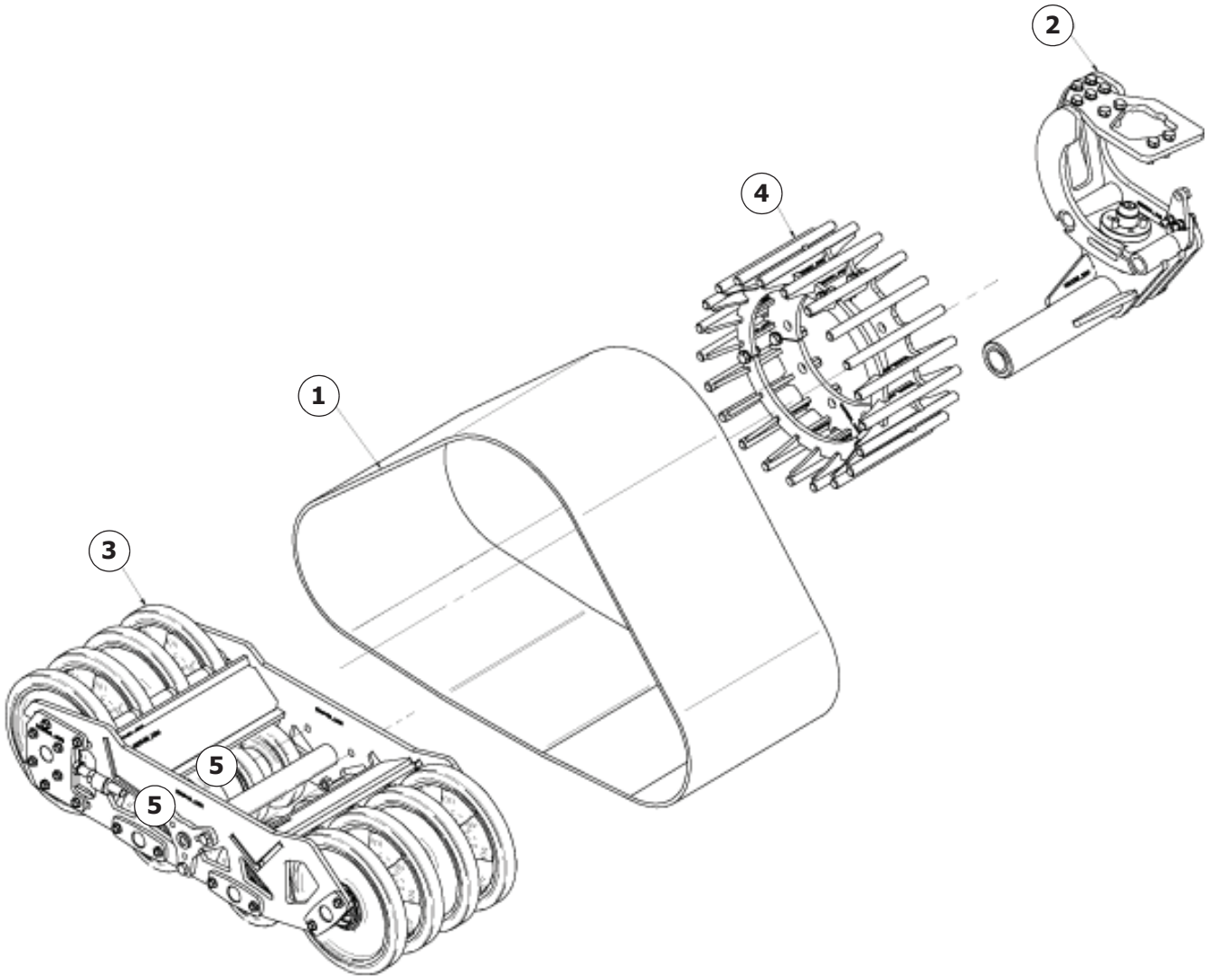
TRACK - RUBBER
(Optional Equipment)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	AU115865	ASSEMBLY - Rubber Track	4
2	AU119727	INSTALLATION INSTRUCTIONS	1


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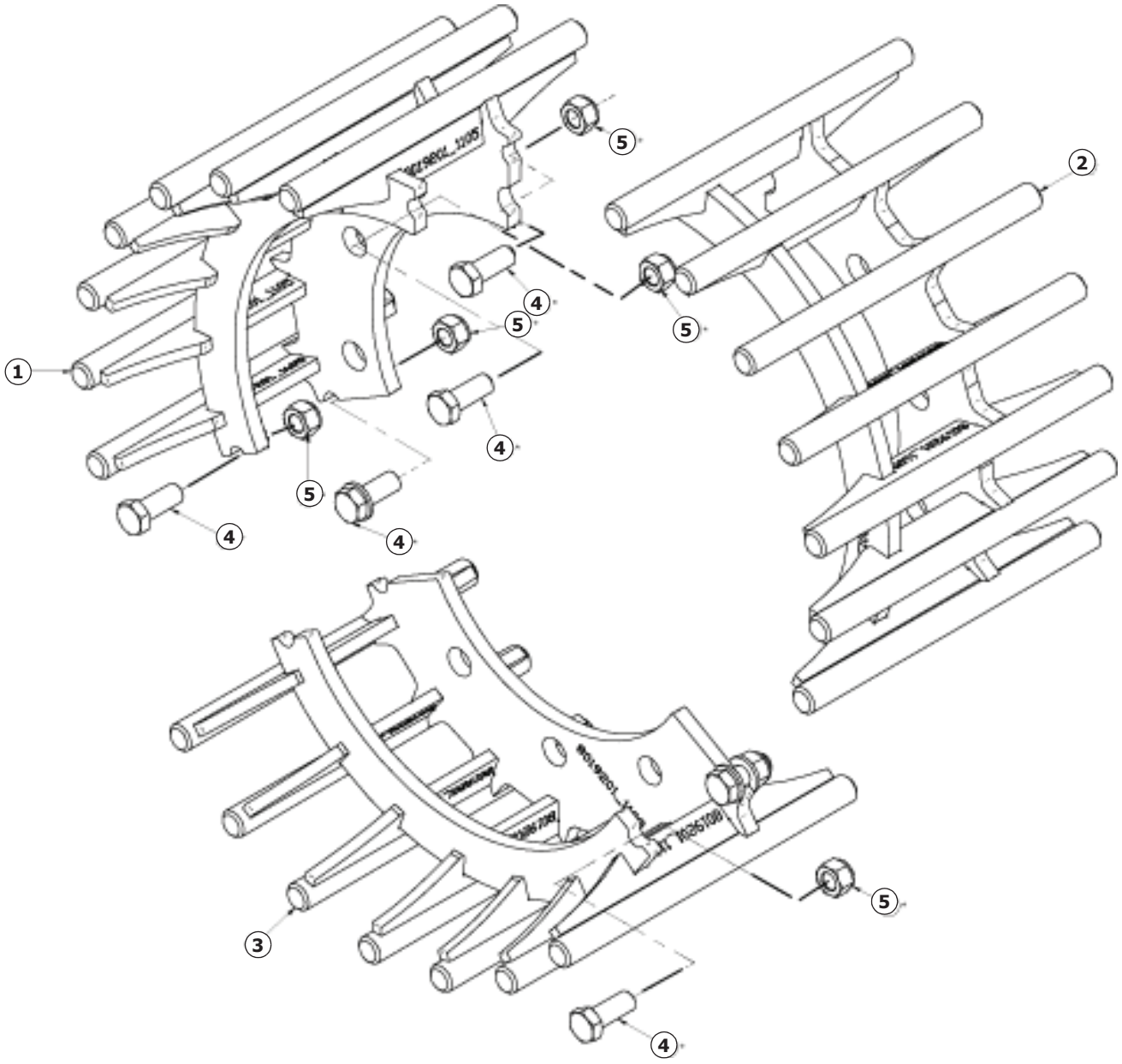
TRACK ASSEMBLY - FRONT RIGHT / REAR LEFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track, Front Right / Rear Left	1
1	AU119180	TRACK.	1
2	NSS	ASSEMBLY - Track Mounting Structure, Front Right / Rear Left	1
3	NSS	ASSEMBLY - Track Chassis	1
4	NSS	ASSEMBLY - Track Sprocket	1


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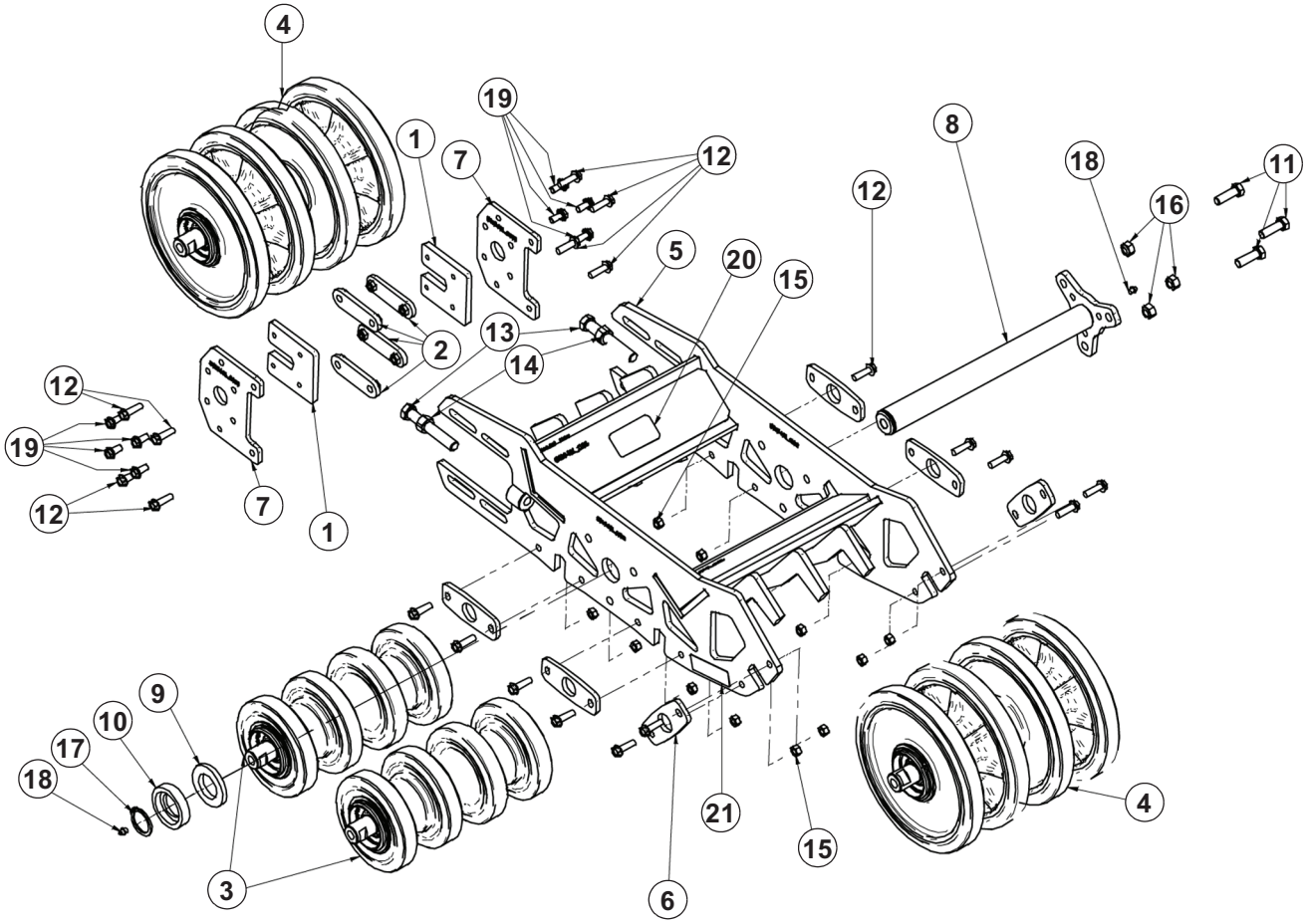
TRACK ASSEMBLY - FRONT LEFT / REAR RIGHT

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track, Front Left / Rear Right	1
1	AU119180	TRACK.	1
2	NSS	ASSEMBLY - Track Mounting Structure, Front Left / Rear Right	1
3	NSS	ASSEMBLY - Track Chassis	1
4	NSS	ASSEMBLY - Track Sprocket	1


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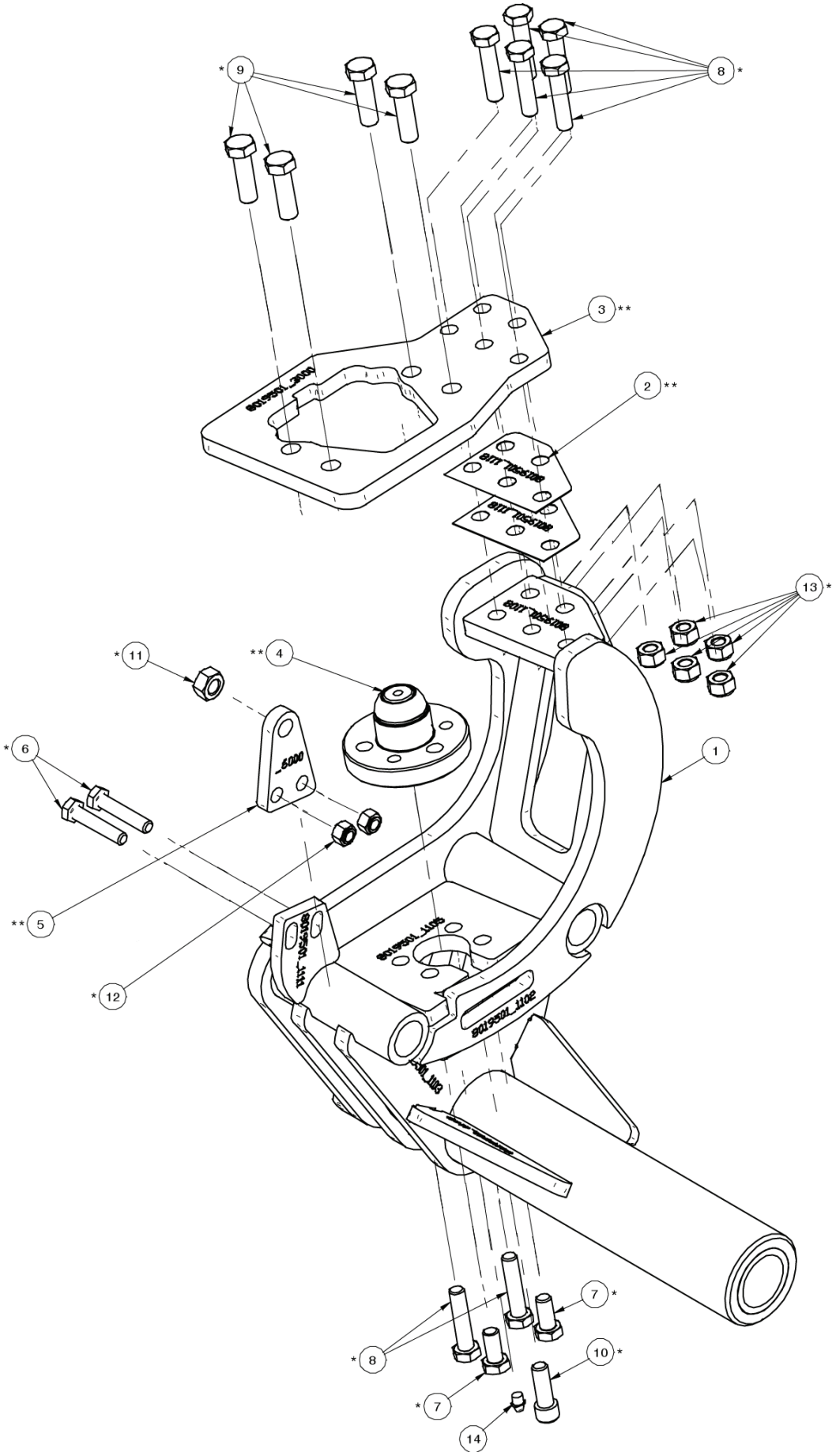
TRACK SPROCKET ASSEMBLY

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track Sprocket	1
1	AU119177	SPROCKET - Third, 7 Teeth	1
2	AU119178	SPROCKET - Third, 7 Teeth	1
3	AU119179	SPROCKET - Third, 7 Teeth	1
4	AU100831	BOLT - Hex Hd, M16 - 2.0 x 40 mm	6
5	AU100529	NUT - Hex M16 - 2.0	6


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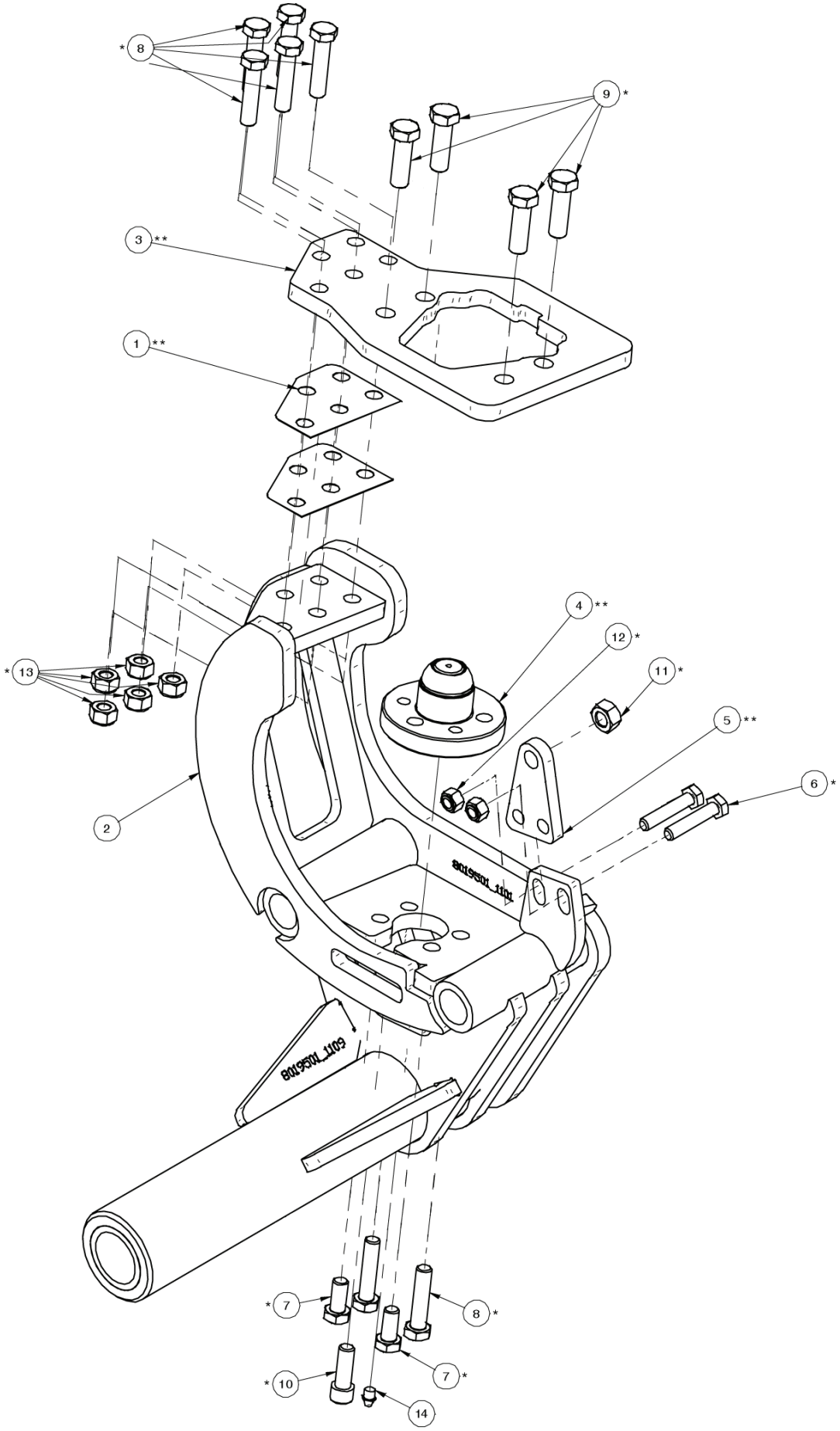
TRACK CHASSIS ASSEMBLY[28]

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track Chassis	1
1	AU119167	PLATE - Tensioner Inner	2
2	AU119168	PLATE - Tensioner Clamping	4
3	AU119206	ASSEMBLY - Axle for 19.50 Track, 3 Wheels 8.00" Dia	2
4	AU119205	ASSEMBLY - Axle for 19.50 Track, 3 Wheels 13.50" Dia	2
5	AU119169	ASSEMBLY - Track Beam	1
6	AU119170	PLATE - Axle Retaining	6
7	AU119171	PLATE - Tensioner Outer	2
8	AU119172	PIVOT AXLE	1
9	AU119173	SPACER - Axle Pivot	1
10	AU119174	SPACER	1
11	AU100832	BOLT - Hex Hd M16 - 2.0 x 50 mm	3
12	AU100830	BOLT - Serr Flange, M12 - 1.75 x 40 mm	20
13	AU119145	BOLT - Hex Hd FT M20 - 2.5 x 130 mm	2
14	829-1420	NUT - Hex M20-2.5	2
15	AU100528	NUT - Hex M12-1.25	12
16	AU100529	NUT - Hex M16-2.0	3
17	AU119176	RING - Retaining	1
18	219-1	ZERK - Grease	2
19	AU100414	BOLT - Serr Flange, M12 - 1.75 x 25 mm	8
20	AU120130	LABEL - Danger	1
21	NSS	NAMEPLATE	1


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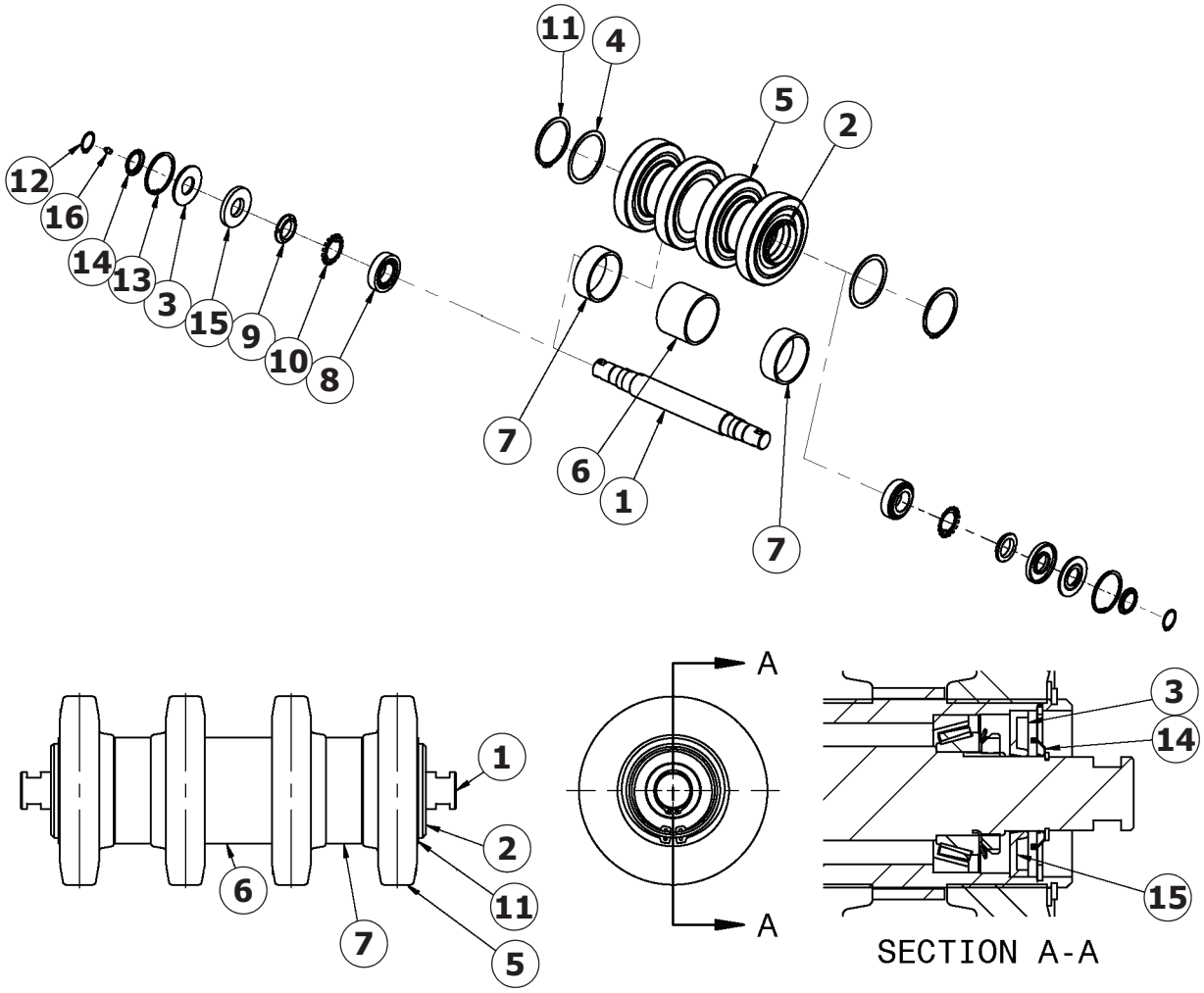
TRACK MOUNT ASSEMBLY - FRONT RIGHT

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track Mount, Front Right	1
1	AU119187	WELDMENT - Right Front Frame Mount	1
2	AU119181	PLATE - Shim	2
3	AU119183	PLATE - Mounting, Top	1
4	AU119184	ASSEMBLY - King Pin	1
5	AU119185	BRACKET - Direction	1
6	AU100350	BOLT - Hex Hd, M12 - 1.75 x 60 mm	2
7	AU100420	BOLT - Hex Hd, M14 - 2.00 x 30 mm	2
8	AU119146	BOLT - Hex Hd, M14 - 2.00 x 60 mm	7
9	AU100832	BOLT - Hex Hd, M16 - 2.00 x 50 mm	4
10	864-14040	BOLT - Socket Hd, M14 - 2.00 x 40 mm	1
11	AU100529	NUT - Hex Jam M16 - 2.0 CL8 ZP	1
12	AU100528	NUT - Hex Nylon M12 - 1.75 CL8 ZP	2
13	AU119147	NUT - Hex M14 - 2.0	5
14	AU119186	ZERK - Grease Fitting, M10 x 1.0 Straight	1


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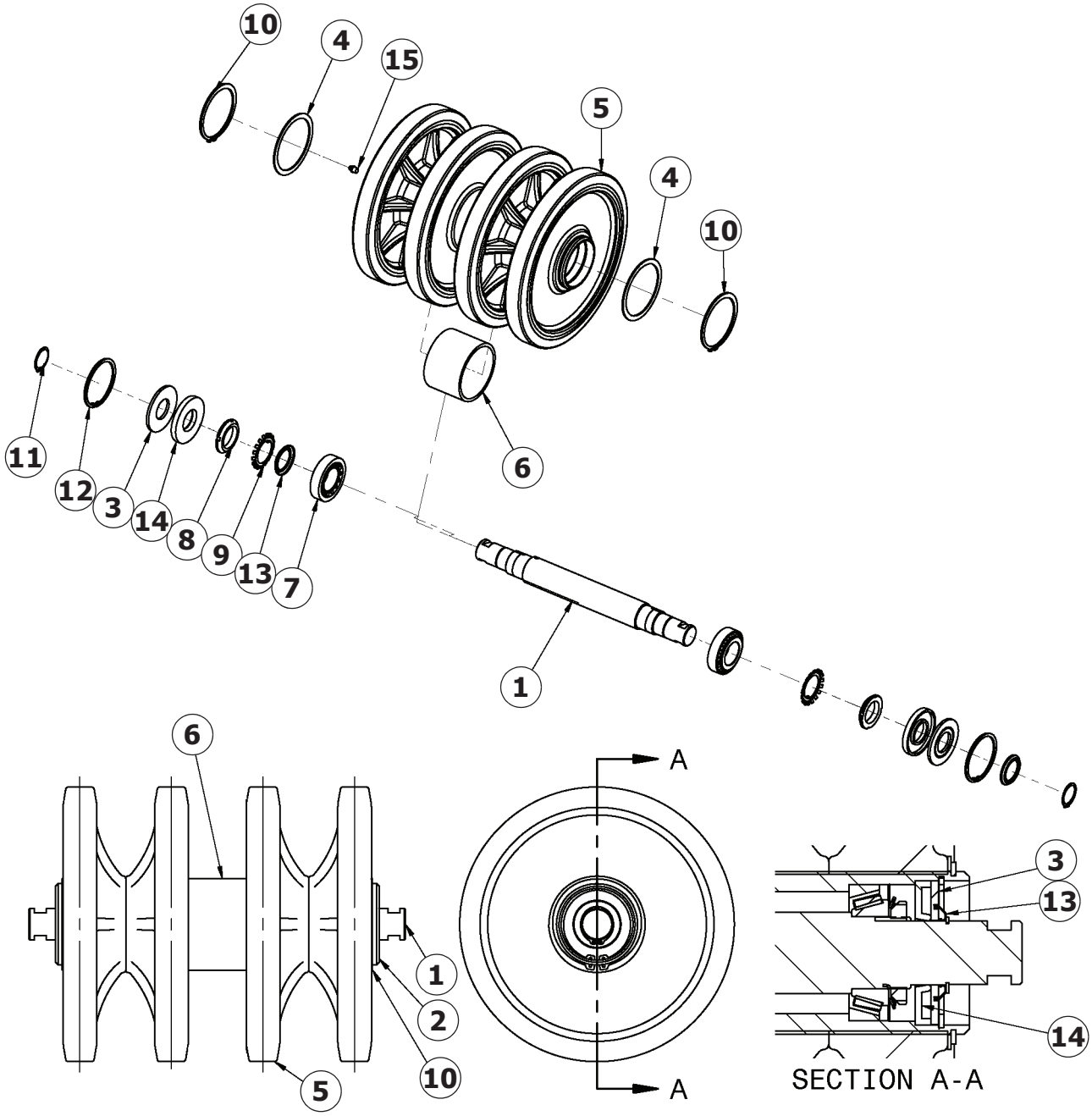
TRACK MOUNT ASSEMBLY - FRONT LEFT

REF.	PART NO.	DESCRIPTION	REQ'D.
	NSS	ASSEMBLY - Track Mount, Front Left	1
1	AU119181	PLATE - Shim	2
2	AU119182	WELDMENT - Right Front Frame Mount	1
3	AU119183	PLATE - Mounting, Top	1
4	AU119184	ASSEMBLY - King Pin	1
5	AU119185	BRACKET - Direction	1
6	AU100350	BOLT - Hex Hd, M12 - 1.75 x 60 mm	2
7	AU100420	BOLT - Hex Hd, M14 - 2.00 x 30 mm	2
8	AU119146	BOLT - Hex Hd, M14 - 2.00 x 60 mm	7
9	AU100832	BOLT - Hex Hd, M16 - 2.00 x 50 mm	4
10	864-14040	BOLT - Socket Hd, M14 - 2.00 x 40 mm	1
11	AU100529	NUT - Hex Jam M16 - 2.0 CL8 ZP	1
12	AU100528	NUT - Hex Nylon M12 - 1.75 CL8 ZP	2
13	AU119147	NUT - Hex M14 - 2.0	5
14	AU119186	ZERK - Grease Fitting, M10 x 1.0 Straight	1


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SECTION A-A

TRACK AXLE ASSEMBLY - 8” DIA. WHEELS

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU119206	ASSEMBLY - Track Axle, 8” Dia. Wheels	1
1	AU119231	AXLE - Track Roller	1
2	NSS	TUBING - Axle	1
3	AU119232	SEAL - Double Lip	2
4	AU119233	RING - Retaining Wheel	2
5	NSS	WHEEL - Moulded	4
6	NSS	SPACER	1
7	NSS	SPACER	2
8	AU119234	BEARING - Track Axle	2
9	AU119235	NUT - Grooved, M45	2
10	AU119236	WASHER - Tabbed Lock, M45	2
11	AU119237	RING - Snap, 4”	2
12	800-1140	RING - Snap, 40 mm	2
13	AU119238	RING - Retaining, Internal	2
14	AU119239	SEAL - 40 mm ID x 58 mm OD x 6.5 mm Wide	2
15	AU119240	SEAL - Oil, 40 mm ID x 90 mm OD x 10 mm	2
16	219-1	ZERK - Grease	1

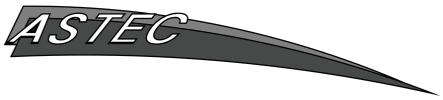

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SECTION A-A

TRACK AXLE ASSEMBLY - 13.5” DIA. WHEELS

REF.	PART NO.	DESCRIPTION	REQ’D.
	AU119205	ASSEMBLY - Track Axle, 13.5” Dia. Wheels	1
1	AU119231	AXLE - Track Roller	1
2	NSS	TUBING - Axle	1
3	AU119232	SEAL - Double Lip	2
4	AU119233	RING - Retaining Wheel	2
5	NSS	WHEEL - Moulded	4
6	NSS	SPACER	1
7	AU119234	BEARING - Track Axle	2
8	AU119235	NUT - Grooved, M45	2
9	AU119236	WASHER - Tabbed Lock, M45	2
10	AU119237	RING - Snap, 4”	2
11	800-1140	RING - Snap, 40 mm	2
12	AU119238	RING - Retaining, Internal	2
13	AU119239	SEAL - 40 mm ID x 58 mm OD x 6.5 mm Wide	2
14	AU119240	SEAL - Oil, 40 mm ID x 90 mm OD x 10 mm	2
15	219-1	ZERK - Grease	1



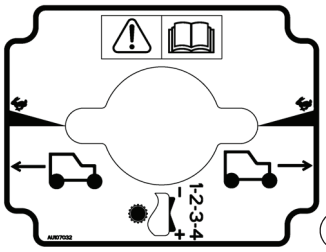
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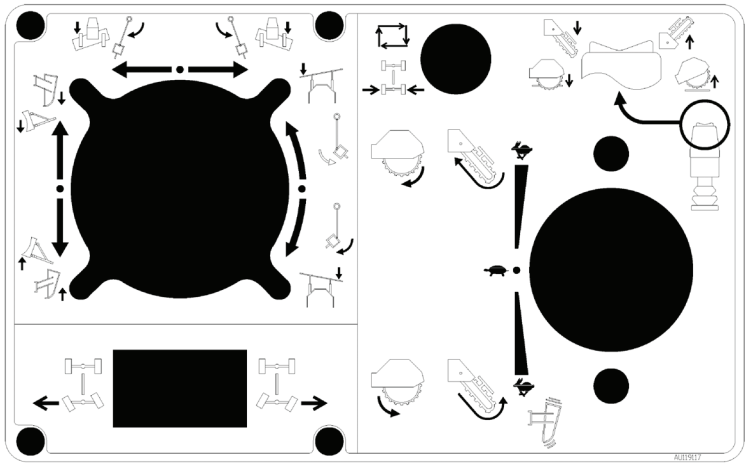
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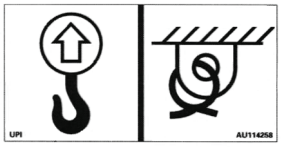
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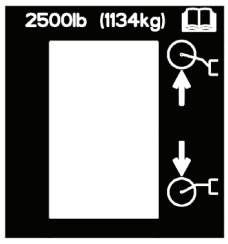
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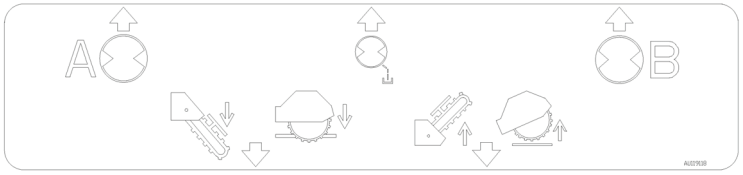
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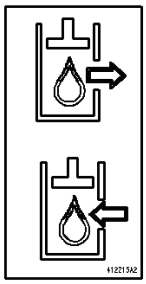
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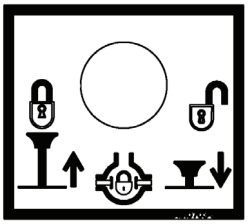
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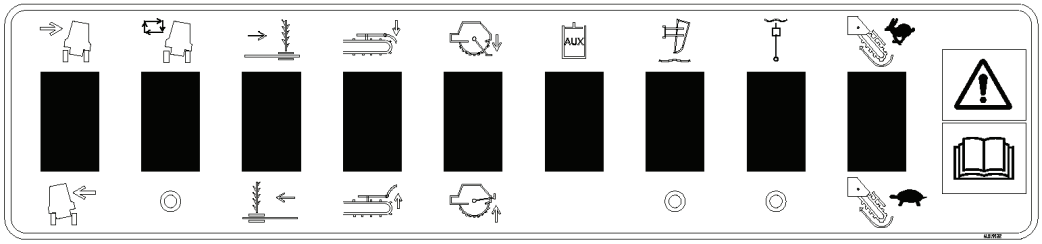
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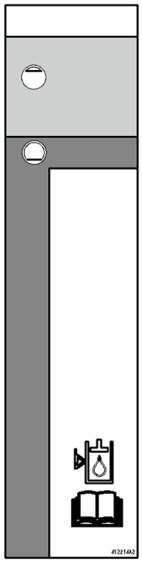
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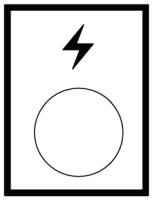
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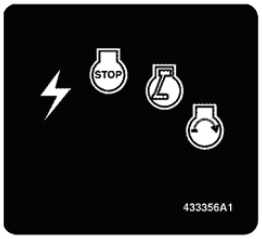
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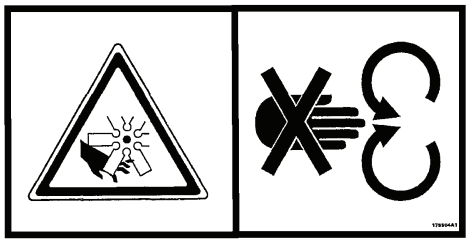
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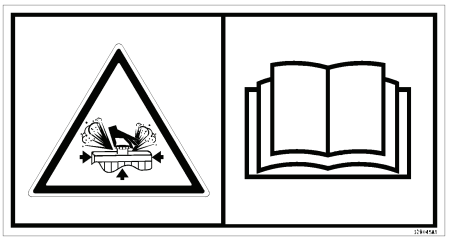
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DECALS - MAIN

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119130	RT1200 Decal Group	REF
1	AU118421	DECAL - RT1200 Model	2
2	AU105338	DECAL - Astec Swoosh, Right Hand	1
3	AU105337	DECAL - Astec Swoosh, Left Hand	1
4	AU107032	DECAL - Ground Drive Joystick	1
5	139879A1	DECAL - Diesel Fuel	1
6	AU103156	DECAL - 4 Wheel Steer	2
7	AU103195	DECAL - "Hydrashift" Model Name	2
8	AU114890	REFLECTOR - Red (Rear), Set of 2 (Not Shown)	1
9	AU119117	DECAL - Op Rhs Joystick	1
10	AU119118	DECAL - Rear Bulkhead ID	1
11	AU119122	DECAL - Rear Switches Overlay	1
12	AU114258	DECAL - Lift Hook / Tie Down Location	4
13	AU114776	DECAL - Instrument Panel, LH	1
14	412215A2	DECAL - Hyd Oil Supply/Return	1
15	AU107034	DECAL - Instrument Panel Diff Lock	1
16	AU107035	DECAL - Instrument Panel Acc Power Plug	1
17	433356A1	DECAL - Key Switch	1
18	412214A2	DECAL - Hydraulic Oil Level	1
19	AU108292	PACKET - Operators Manual	1
20	9-71525	TAG - Notice, Battery	1
21	352-24	BAG - 3 mil x 12 x 15 Polyethylene Ziplock	1
22	104416A1	MANUAL - Trencher Safety	1
23	AU103121	CD - All Model Parts Manuals	1
24	AU103157	TAG - Do Not Operate	1
25	AU103158	TAG - Cooling System	1
26	AU117656	MANUAL - Operators	1



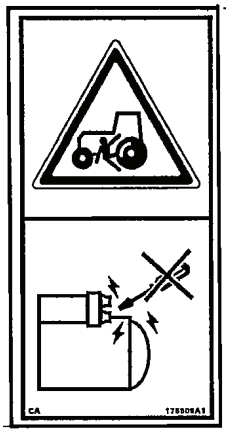
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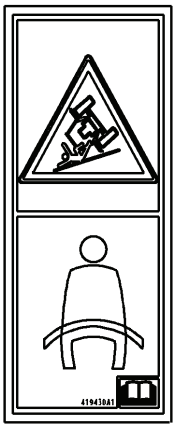
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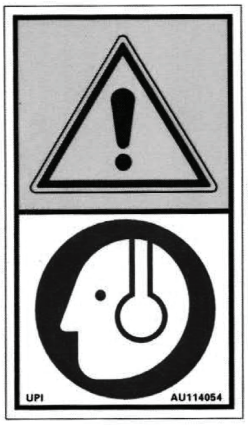
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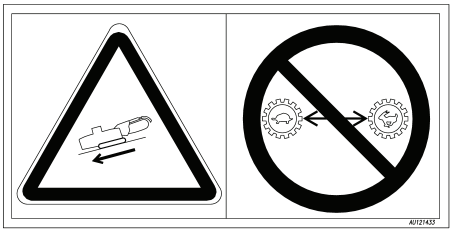
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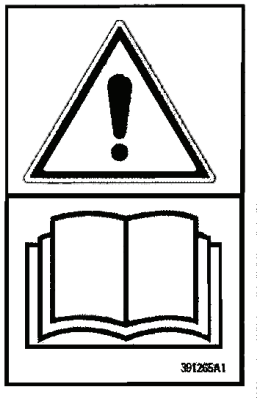
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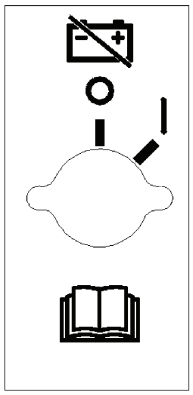
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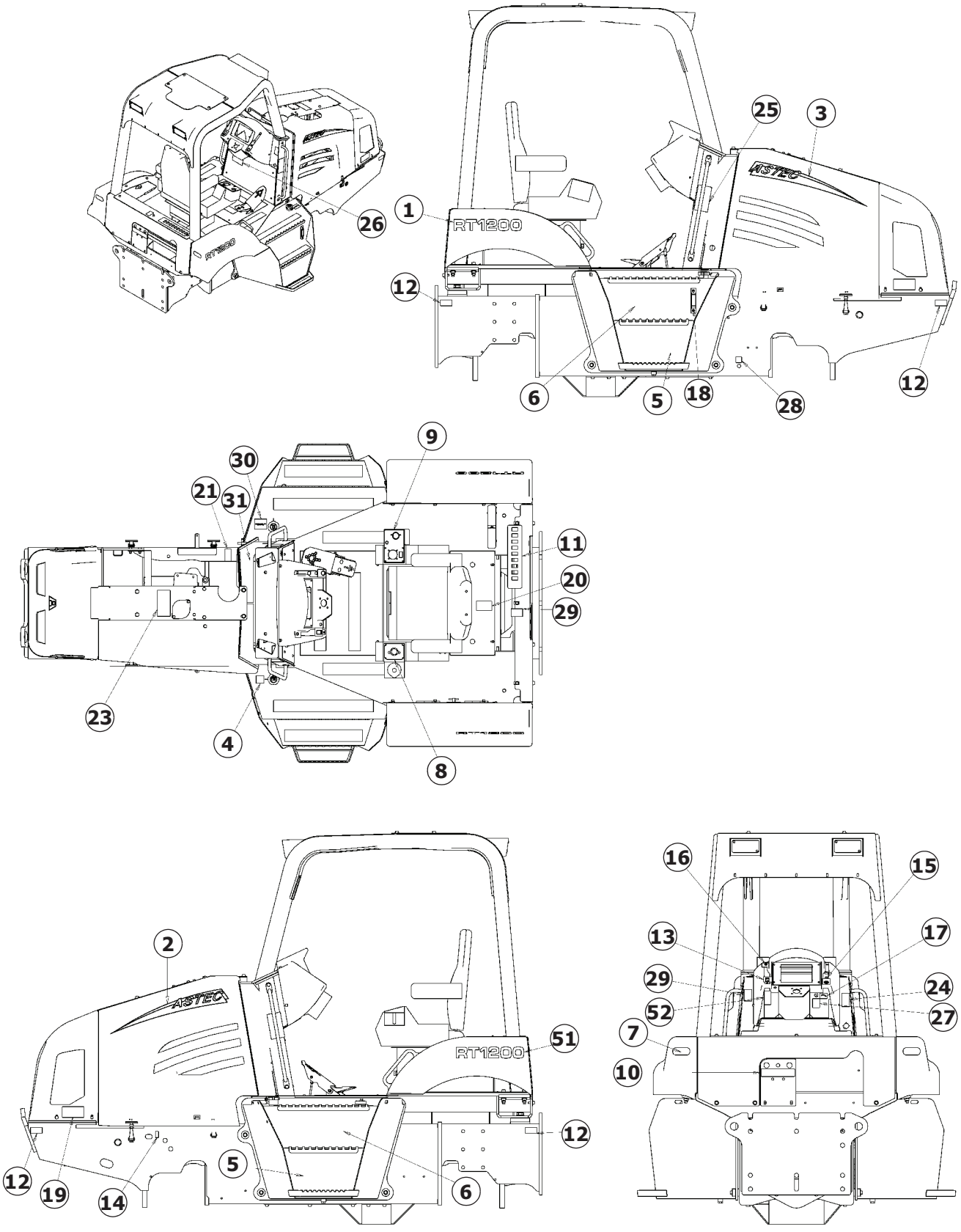
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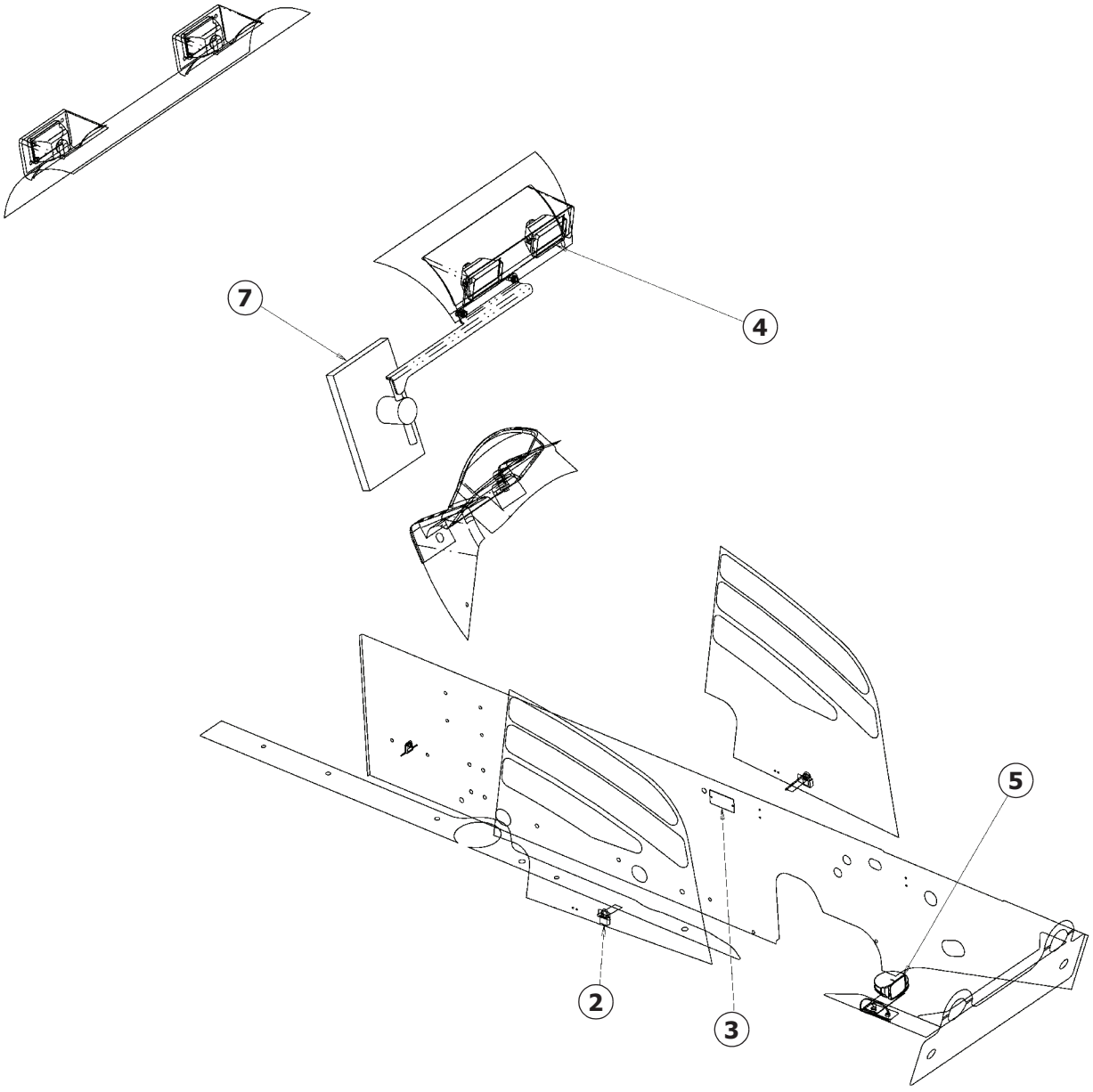
DECALS - ATTACHMENTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU119130	RT1200 Decal Group	REF
1	175504A1	DECAL - Fan Entanglement	2
2	419459A1	DECAL - Battery Explosion	1
3	175509A1	DECAL - Runover Hazard	1
4	419430A1	DECAL - Fasten Seat Belt	1
5	329045A1	DECAL - Fluid Pressure	1
6	AU114054	DECAL - Hearing Protection Required	1
7	AU114622	DECAL - No Riders	2
8	AU121433	DECAL - Unexpected Movement	1
9	391265A1	DECAL - Read Operators Manual	1
10	AU113379	DECAL - Engine Oil Drain	1
11	AU110578	DECAL - Call Before Digging	2
12	AU103971	DECAL - Oil Hydraulic	1
13	329019A1	DECAL - Master Disconnect Switch	1


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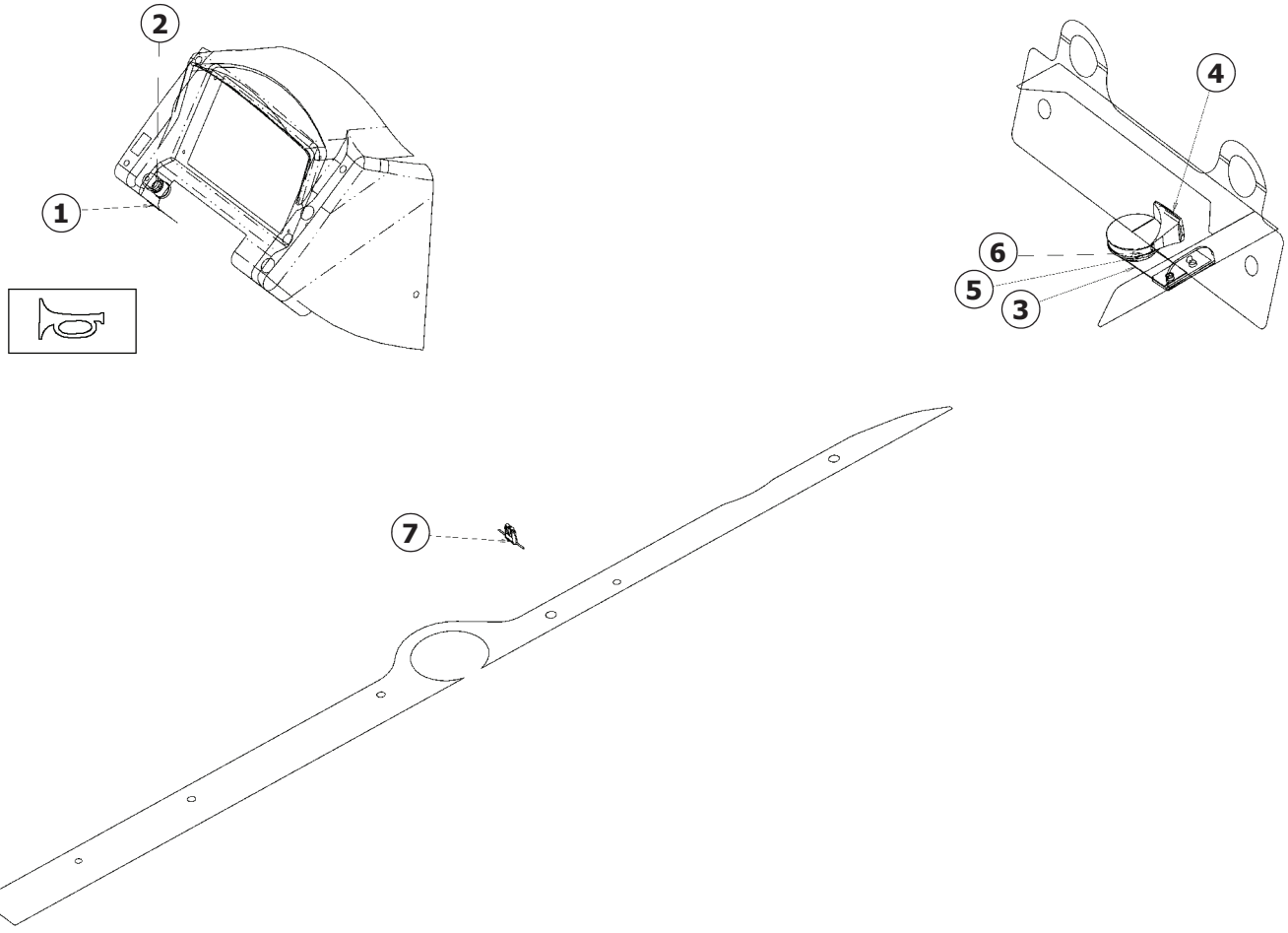
DECALS - ATTACHMENTS

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	AU119130	RT1200 Decal Group	REF
1	AU118421	DECAL - RT1200 Model	2
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3	AU105337	DECAL - Astec Swoosh, Left Hand	1
4	139879A1	DECAL - Diesel Fuel	1
5	AU103156	DECAL - 4 Wheel Steer	2
6	AU103195	DECAL - "Hydrashift" Model Name	2
7	AU114890	REFLECTOR - Red (Rear), Set of 2 (Not Shown)	1
8	AU107032	DECAL - Ground Drive Joystick	1
9	AU119117	DECAL - Op Rhs Joystick	1
10	AU119118	DECAL - Rear Bulkhead ID	1
11	AU119122	DECAL - Rear Switches Overlay	1
12	AU114258	DECAL - Lift Hook / Tie Down Location	4
13	AU114776	DECAL - Instrument Panel, LH	1
14	412215A2	DECAL - Hyd Oil Supply/Return	1
15	AU107035	DECAL - Instrument Panel Acc Power Plug	1
16	AU107034	DECAL - Instrument Panel Diff Lock	1
17	433356A1	DECAL - Key Switch	1
18	412214A2	DECAL - Hydraulic Oil Level	1
19	175504A1	DECAL - Fan Entanglement	2
20	419459A1	DECAL - Battery Explosion	1
21	175509A1	DECAL - Runover Hazard	1
22	419430A1	DECAL - Fasten Seat Belt	1
23	329045A1	DECAL - Fluid Pressure	1
24	AU114054	DECAL - Hearing Protection Required	1
25	AU114622	DECAL - No Riders	2
26	AU121433	DECAL - Unexpected Movement	1
27	391265A1	DECAL - Read Operators Manual	1
28	AU113379	DECAL - Engine Oil Drain	1
29	AU110578	DECAL - Call Before Digging	2
30	AU103971	DECAL - Oil Hydraulic	1
31	329019A1	DECAL - Master Disconnect Switch	1


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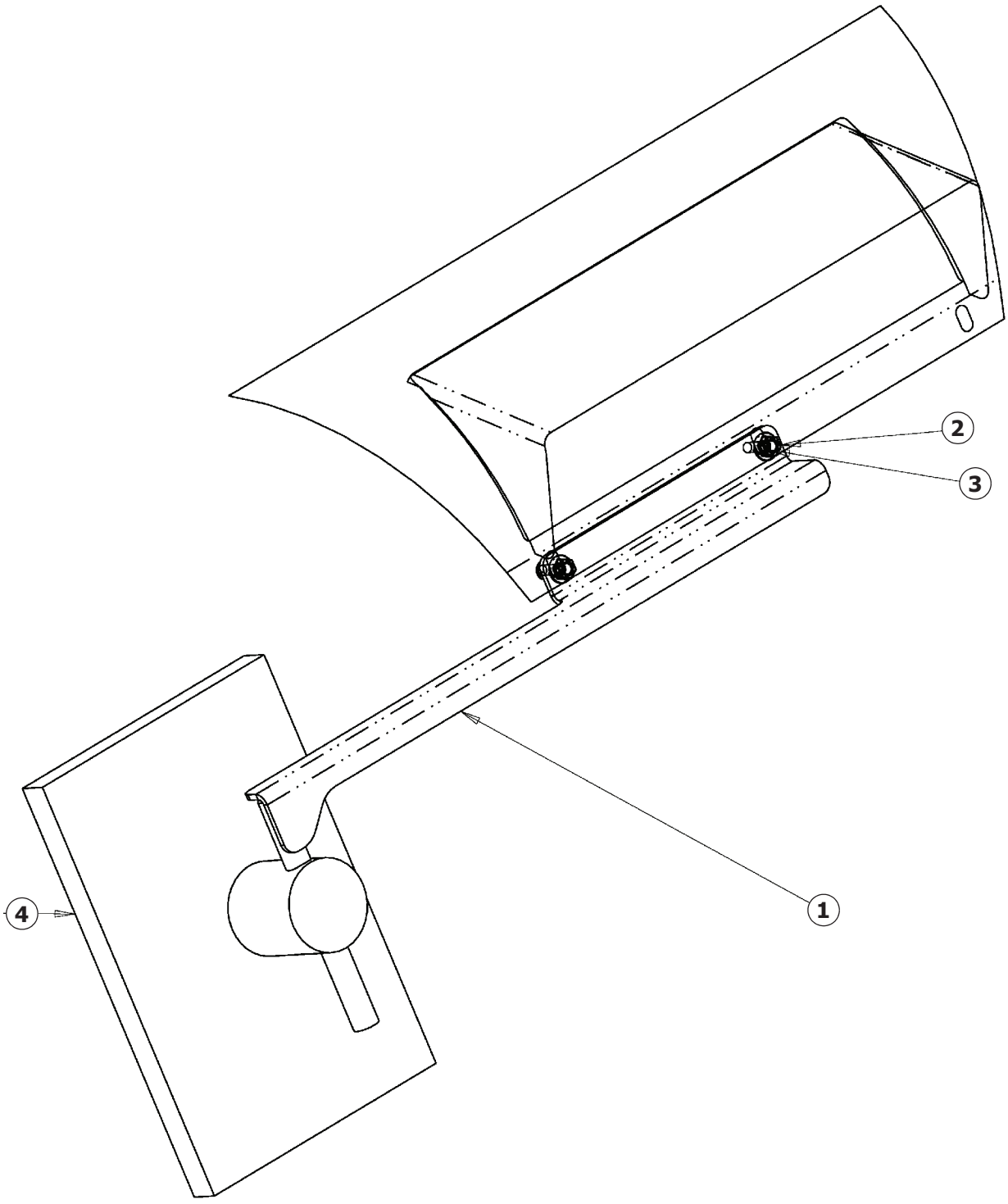
CE KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122241	KIT - CE	1
1	AU113152	WRAP - Attachment Hose	1
2	30-560-6116	LOCK - Pad	2
3	AU100572	PLATE - Serial Number, CE	1
4	AU121954	LIGHTS - Work	1
5	AU122245	KIT - Horn	1
6	AU121836	HARNESS - Cab	1
	AU121837	HARNESS - Front Cab	1
	AU121838	HARNESS - Rear Cab	1
7	AU122246	KIT - Mirror	1


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HORN KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122245	KIT - Horn	1
1	D124182	DECAL - Horn	1
2	AU118023	SWITCH - Push Button (Sealed)	1
3	AU112959	PLATE - Horn Bracket	1
4	AU113183	ASSEMBLY - Horn	1
5	824-1405	NUT - M5 Class 5 ZND	1
6	496-11034	WASHER - 0.344 x 0.688 x 0.065 in Hdn ZND	1
7	AU123365	HARNESS - Horn	1


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MIRROR KIT

REF.	PART NO.	DESCRIPTION	REQ'D.
	AU122246	KIT - Mirror	1
1	AU122249	WELDMENT - Mirror Mount	1
2	AU100876	SCREW, METRIC FLANGE w/BODY - M10 x 25	2
3	AU100527	NUT, METRIC FLANGE PREVAILING - M10, Zinc	2
4	248541A1	MIRROR	1

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