ROADTEC SB-2500D MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 217000-F
S/N. 975-1037,1039-1043
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ROADTEC
an Astec Industries Company

HOW TO ORDER PARTS

THE **ROADTEC** PARTS DEPARTMENT NEEDS THE FOLLOWING INFORMATION TO PROCESS YOUR ORDER PROPERLY AND ACCURATELY.

1. YOUR COMPANY'S NAME AND PURCHASE ORDER NUMBER.
2. NAME AND ADDRESS OF PERSON OR PLACE TO WHOM PARTS ARE TO BE SHIPPED.
3. METHOD OF SHIPMENT (MOTOR FREIGHT, AIR, UPS, etc.)
4. MODEL AND SERIAL NUMBER OF THE MACHINE FOR WHICH PARTS ARE BEING ORDERED.
5. PART NUMBER, DESCRIPTION AND QUANTITY OF PARTS.
6. THE LOCATION OF PART(S) IN THE ROADTEC PARTS MANUAL.

ONCE THE ABOVE INFORMATION HAS BEEN OBTAINED, CONTACT THE ROADTEC PARTS DEPARTMENT AT:

ROADTEC INC. PARTS DEPARTMENT
800 MANUFACTURERS ROAD
CHATTANOOGA, TN. 37405

PHONE: 1-423-265-0600
TOLL FREE: 1-800-272-7100
SERVICE / PARTS FAX: 1-423-267-8686

RECEIPT OF PARTS:

RESPONSIBILITY FOR BREAKAGE, LOSS OR DAMAGED GOODS, CEASES UPON DELIVERY OF THE MERCHANDISE TO THE TRANSPORTATION COMPANY FOR WHICH A RECEIPT IS RECEIVED SHOWING THAT THE SHIPMENT WAS ACCEPTED BY THEM IN GOOD CONDITION. IF ANY OF THE MATERIAL LISTED ON THE BILL OF LADING OR EXPRESS RECEIPT IS SHORT, BROKEN, OR DAMAGED, DO NOT ACCEPT THE SHIPMENT UNTIL THE CARRIER'S AGENT MAKES A NOTATION OF THE SHORTAGE OR DAMAGED ON THE EXPENSE BILL. NOTIFY THE TRANSPORTATION COMPANY'S AGENT AT ONCE AND REQUEST AN INSPECTION.

THIS IS ABSOLUTLEY NECESSARY:

IF THE AGENT DOES NOT MAKE AN INSPECTION, THEN AN AFFIDAVIT SHOULD BE MADE THAT THEY WERE NOTIFIED (ON A CERTAIN DATE) AND FAILED TO DO SO. THIS AFFIDAVIT WITH OTHER PAPERS WILL PROPERLY SUPPORT YOUR CLAIM.

WARRANTY

Manufacturer (Roadtec, Inc.) warrants, commencing with the date of shipment to first end-user and for a period of 12 months thereafter or 1,000 hours of operation, whichever occurs first, all machinery and parts manufactured by Roadtec, Inc. to be free from defects in workmanship and material. **Warranty remains in force for the above time period only if all Manufacturer's operational procedures are followed and recommended maintenance is performed.** If, within such warranty period, any machinery or parts shall be proved to Manufacturer's satisfaction to be defective, it shall be repaired or replaced, at the Manufacturer's option, F.O.B. Manufacturer's warehouse. All failed parts or components must be returned to Manufacturer prepaid for inspection before credit will be issued for new parts or components.

Wear parts such as: conveyor lines, screed plates, cutter teeth, tooth holders, scraper blades, track pads, tires and conveyor belts are warranted only if found to be defective at time of shipment, but are not warranted for the warranty period against wear or abuse.

With respect to machinery, parts or accessories to Manufacturer's products which are furnished but not manufactured by Manufacturer, Manufacturer's warranty obligation shall in all respects conform and be limited to the warranty extended to Manufacturer by its supplier or, if none, to the warranties expressed herein. No warranty shall apply to machinery, parts or accessories which have been repaired or altered by others so as, in Manufacturer's judgment, to affect the same adversely or which shall have been subject to negligence, accident or improper care, installation, maintenance, storage or other than normal use or service, during or after shipment.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND MANUFACTURER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES WHATSOEVER WITH RESPECT TO MACHINERY, PARTS, ACCESSORIES OR SERVICES MANUFACTURED OR FURNISHED BY IT OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER DAMAGES, EXPENSES, LOSSES OR DELAYS HOWSOEVER CAUSED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

ROADTEC
an Astec Industries Company

ROADTEC, INC.
Chattanooga, Tennessee

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects and other reproductive harm

GENERAL INFORMATION

This parts manual contains a listing of all parts of the ROADTEC© Shuttle Buggy® Material Transfer Vehicle. A sectional index immediately follows this introduction.

This catalog is divided into Numerical sections, each section has an alphabetical table of contents of its assemblies. The pages within each section are numbered with the section number and the number of the page within the section such as 1.1 (Sect. 1, Page 1, etc). The page numbers are located bottom center of each page.

The parts shown in the illustrations are numbered and correspond to the number appearing in the REF. NO. column of the parts list immediately following the illustration. DO NOT ORDER PARTS BY THE REFERENCE NUMBERS. Each Ref. No. is followed by the ROADTEC part number for that particular part.

When ordering parts, be sure to provide the serial number of the machine for which the parts are being ordered. Specify how parts shipment is to be forwarded.(See " How To Order Parts." On the inside front cover of this catalog.)

Record the serial no. of your machine, its engine, and any other equipment in the space provided below. Our Service Department will need this information to provide you with prompt, efficient service when you order parts or optional equipment.

The warranty on this equipment appears on the inside back cover of this catalog.

MACHINE RECORD **DATE PURCHASED** _____

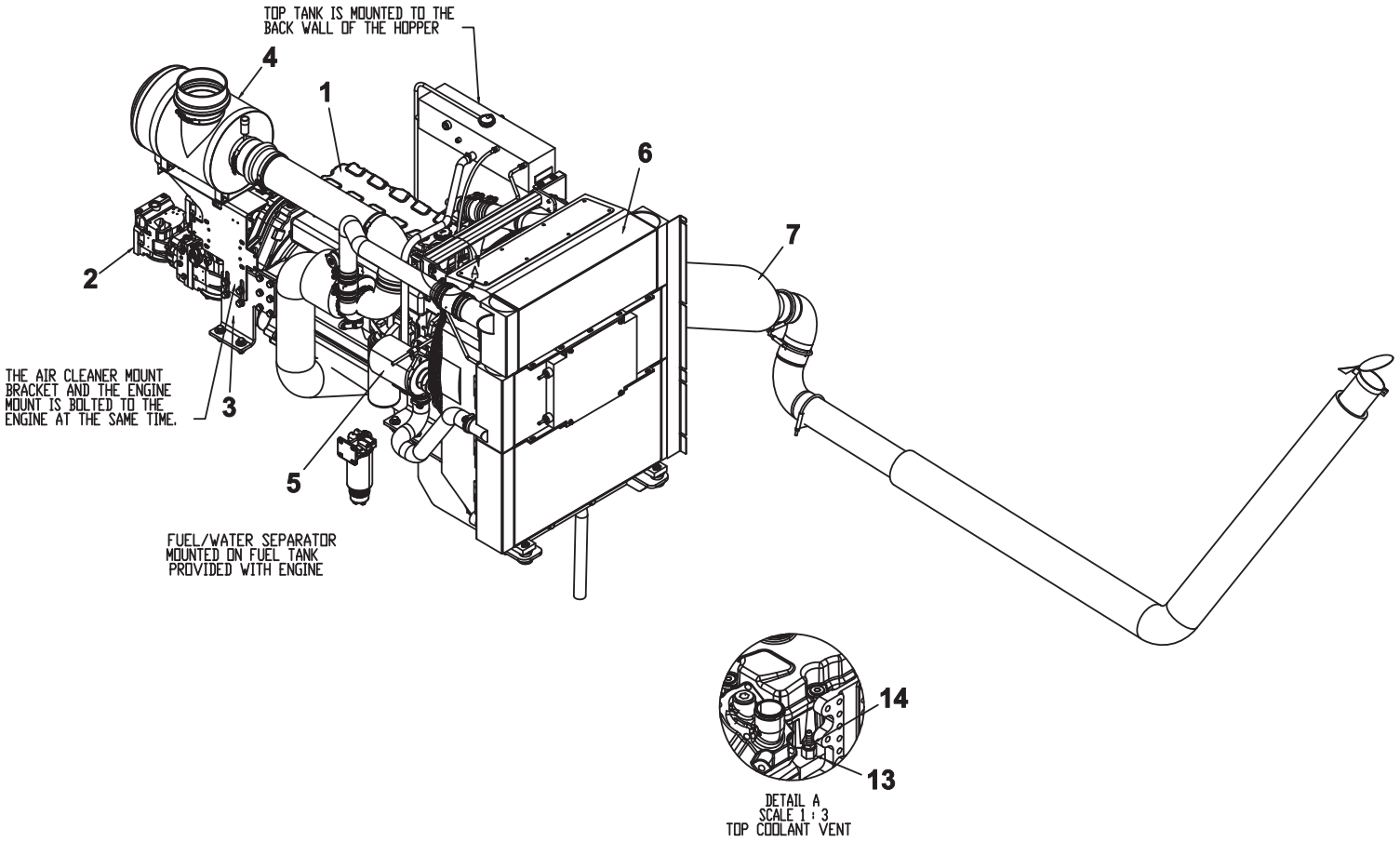
MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:

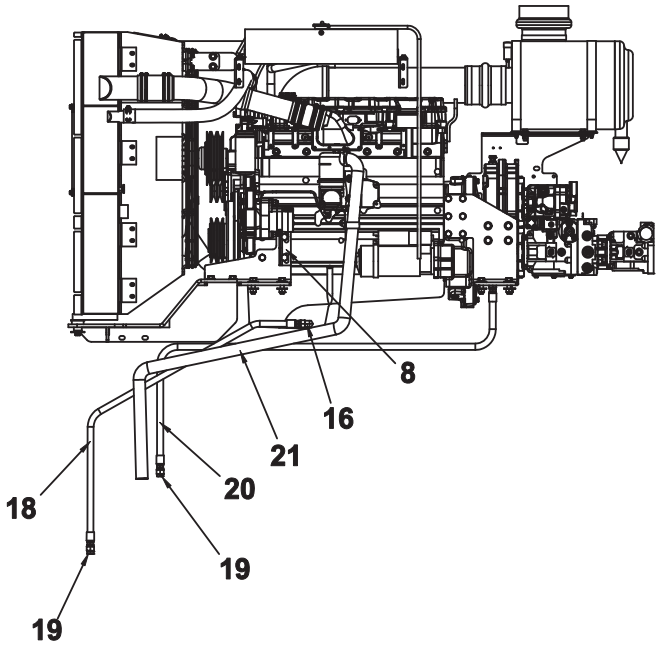
SECTION 1 : ENGINE

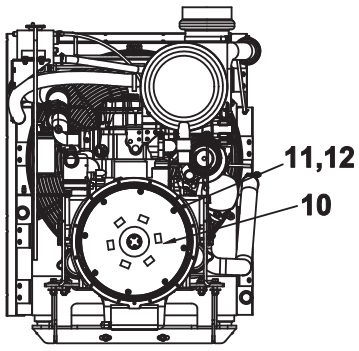
ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE	221157-01	930 & UP	1.1
ENGINE MOUNTS	216164-01		1.4
RADIATOR	217202-01	868 & UP	1.5
AIR INTAKE	217189-01		1.11
EXHAUST	221153-01		1.13
PUMPS	218599-01	848 & UP	1.15
DURST OIL DRAIN	142903-01		1.19

SB-2500D ENGINE ASSEMBLY
(221157-01)

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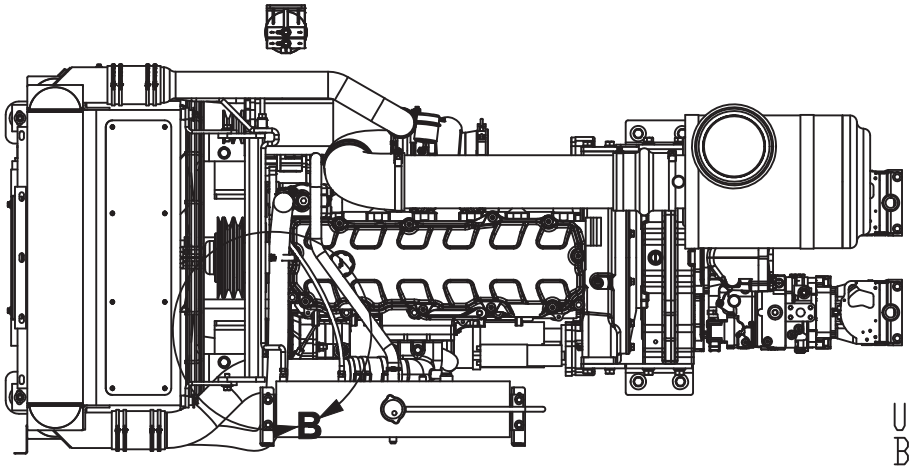


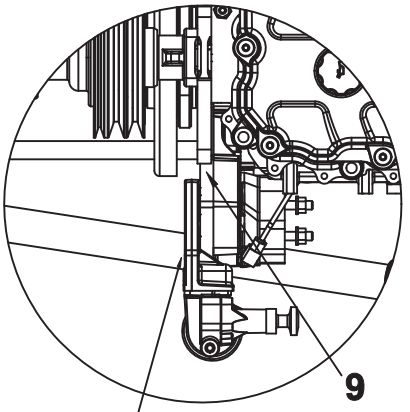




PUMPS REMOVED FOR CLARITY

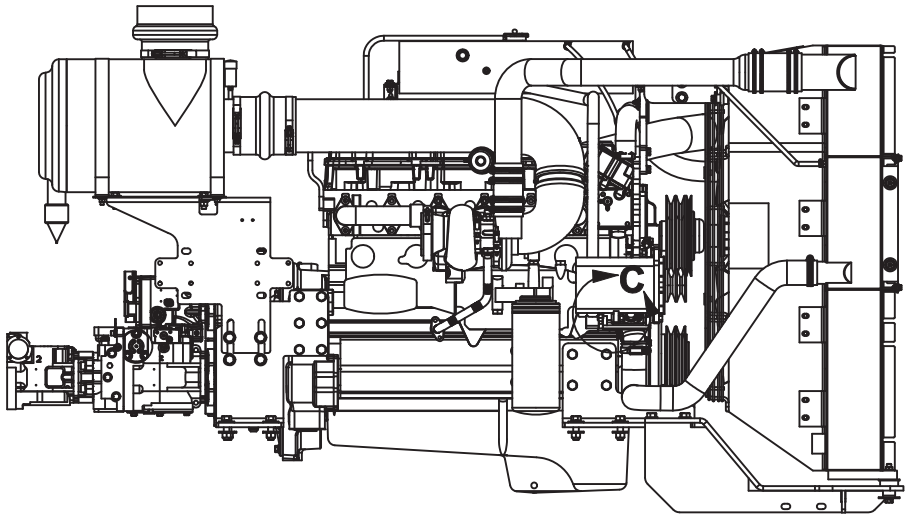
SB-2500D ENGINE ASSEMBLY
(221157-01)

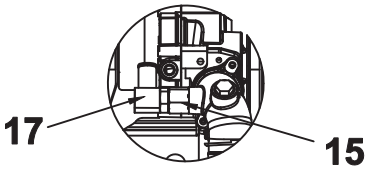




USE THE BOLTS & WASHERS THAT COME WITH THE ENGINE

DETAIL B
FUEL FILTER MOUNT





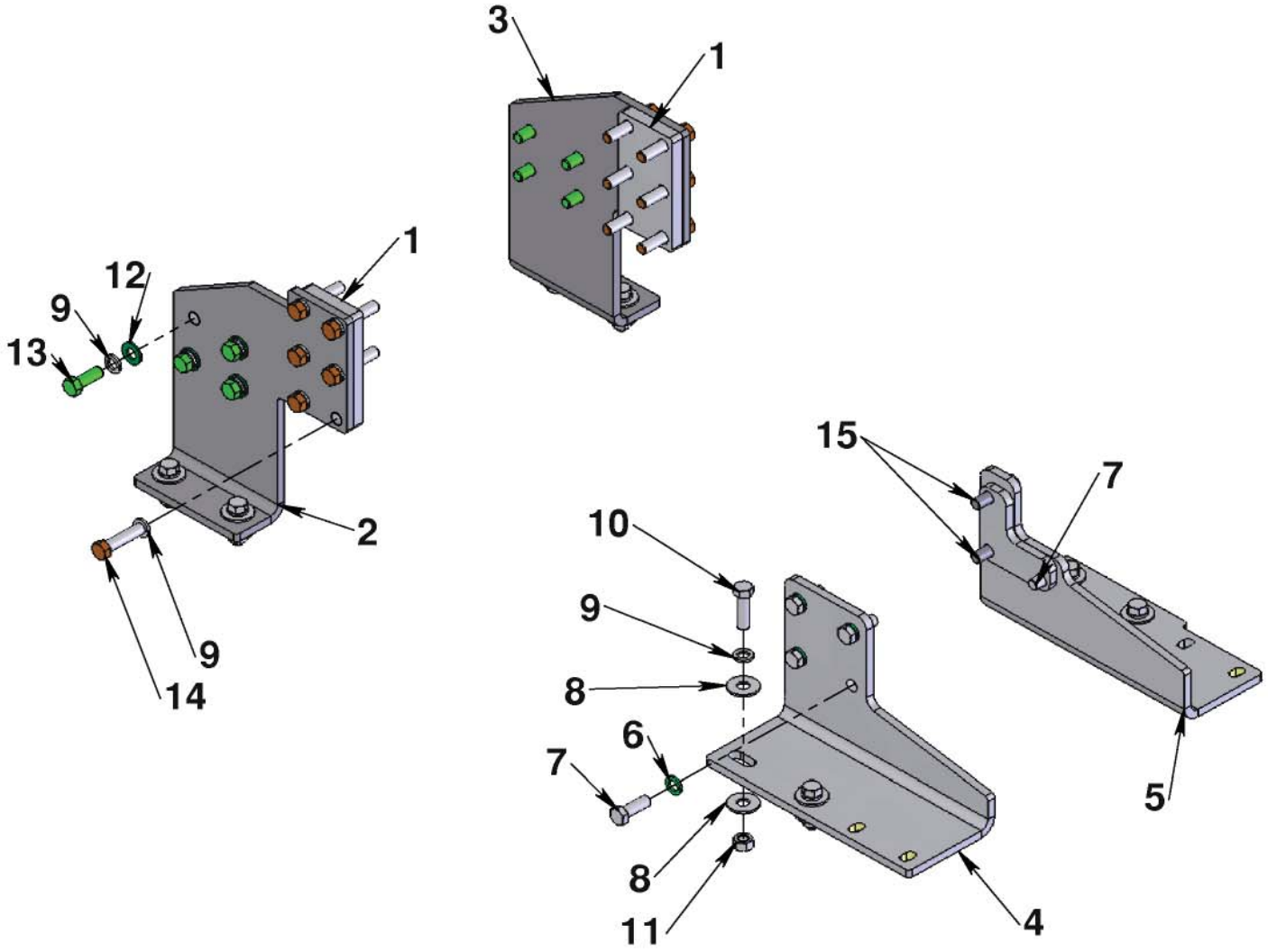
DETAIL C

RADIATOR SURGE TANK CONNECTION

ASSEMBLY, ENGINE TIER III, CAT C9 (221157-01)

ITEM #	PART #	DESCRIPTION	QTY
1	215724-04	ENGINE * CAT C9 300 HP	1
2	218599-01	ASSEMBLY, CAT TIER III	1
3	216164-01	ASSEMBLY-ENGINE MOUNT	1
4	217189-01	ASSEMBLY, AIR INTAKE	1
5	89687-04	ALTERNATOR, 12/24 VDC	1
6	217202-01	ASSEMBLY-RADIATOR	1
7	221153-01	ASSEMBLY, EXHAUST, CAT TIER III	1
8	216996-03	ASSEMBLY, AUX PUMP SUPPORT	1
9	216881-03	DETAIL, FUEL FILTER SPACER PLATE	1
10	215893-03	COUPLING * SPRING	1
11	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	8
12	84691	SCREW * 1/2"UNC X 1 1/4" SOC.HD.	8
13	86136-04	FIT * ADAPTOR 8 SAE -1/4 NPT F PIPE	1
14	91846-04	1/4" NPT - 1/4" BARB	1
15	216876-04	FIT * ADAPTER 8 SAE M. - 12 SAE F.	1
16	133698	ELBOW 90 DEG M W_NUT, WASHER, O-RING 12 JIC - 8 SAE	1
17	216874-04	FIT * 90 SAE TO HOSE	1
18	129853S	HOSE ASSY 129853 W/ SLEEVE	1
19	85395-04	FIT * PLUG 12 JIC	2
20	131416S	HOSE ASSY 131416 W/ SLEEVE	1
21	221157-01-22	HOSE * RUBBER 2" LOW PRESSURE x 86" LG	1

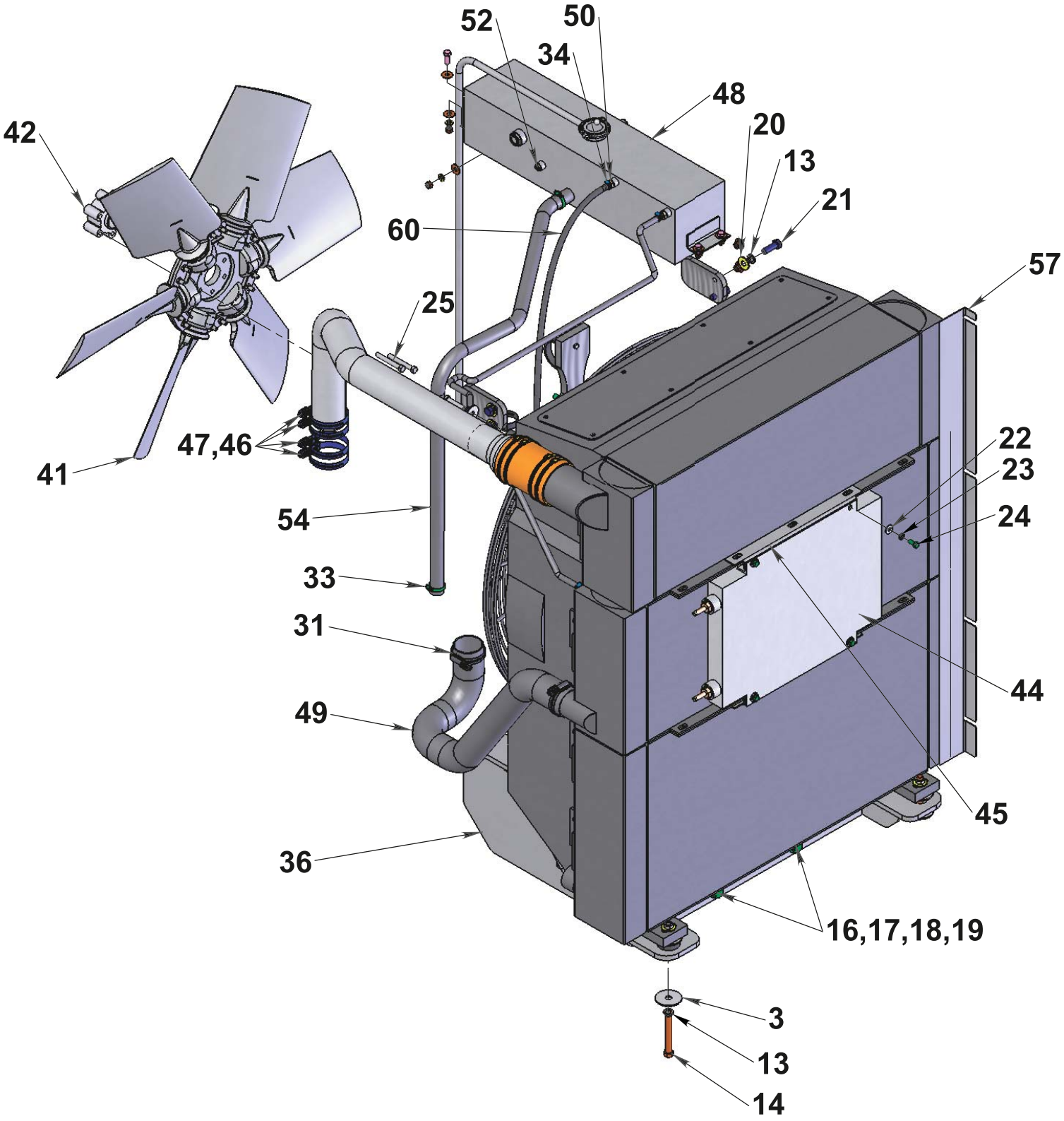
SB-2500D ENGINE MOUNT ASSEMBLY
(216164-01)



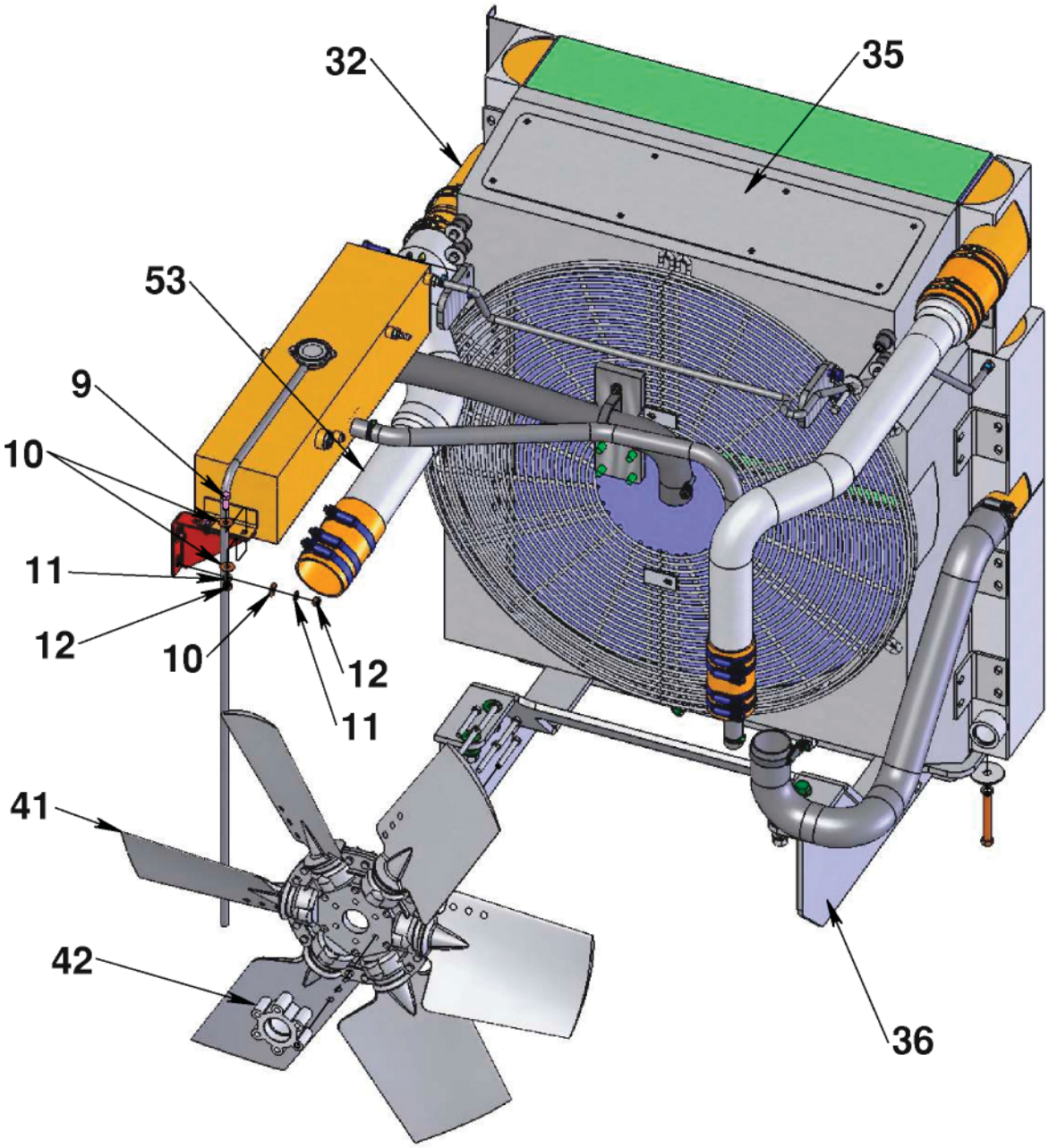
ITEM #	PART #	DESCRIPTION	QTY.
1	216175-03	REAR MOTOR MOUNT SPACER	2
2	216126-01	REAR MOTOR MOUNT-LEFT	1
3	216127-01	REAR MOTOR MOUNT-RIGHT	1
4	216122-01	FRONT MOTOR MOUNT-LEFT	1
5	216124-01	FRONT MOTOR MOUNT-RIGHT	1
6	01702	WASHER ~ LOCK 16 7980 SPRING STEEL	7
7	01202	BOLT * HEX M16 X 45 8.8 933	5
8	85147	WASHER * FLAT 5/8"(USS 1 3/4 OD)	16
9	84717	WASHER ~ LOCK 5/8" SPRING STEEL	28
10	93122	BOLT * HEX 5/8"-11 X 2 1/4"	8
11	85148	NUT * 5/8"-11 HEX GRADE 8	8
12	26F83	WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW	8
13	89143	BOLT * HEX 5/8-11 UNC X 1 3/4" LG.	8
14	16R05	BOLT * HEX 5/8"-11 X 3"	12
15	01204	BOLT * HEX M16 X 60 8.8 933	2

RADIATOR ASSEMBLY
(217202-01)

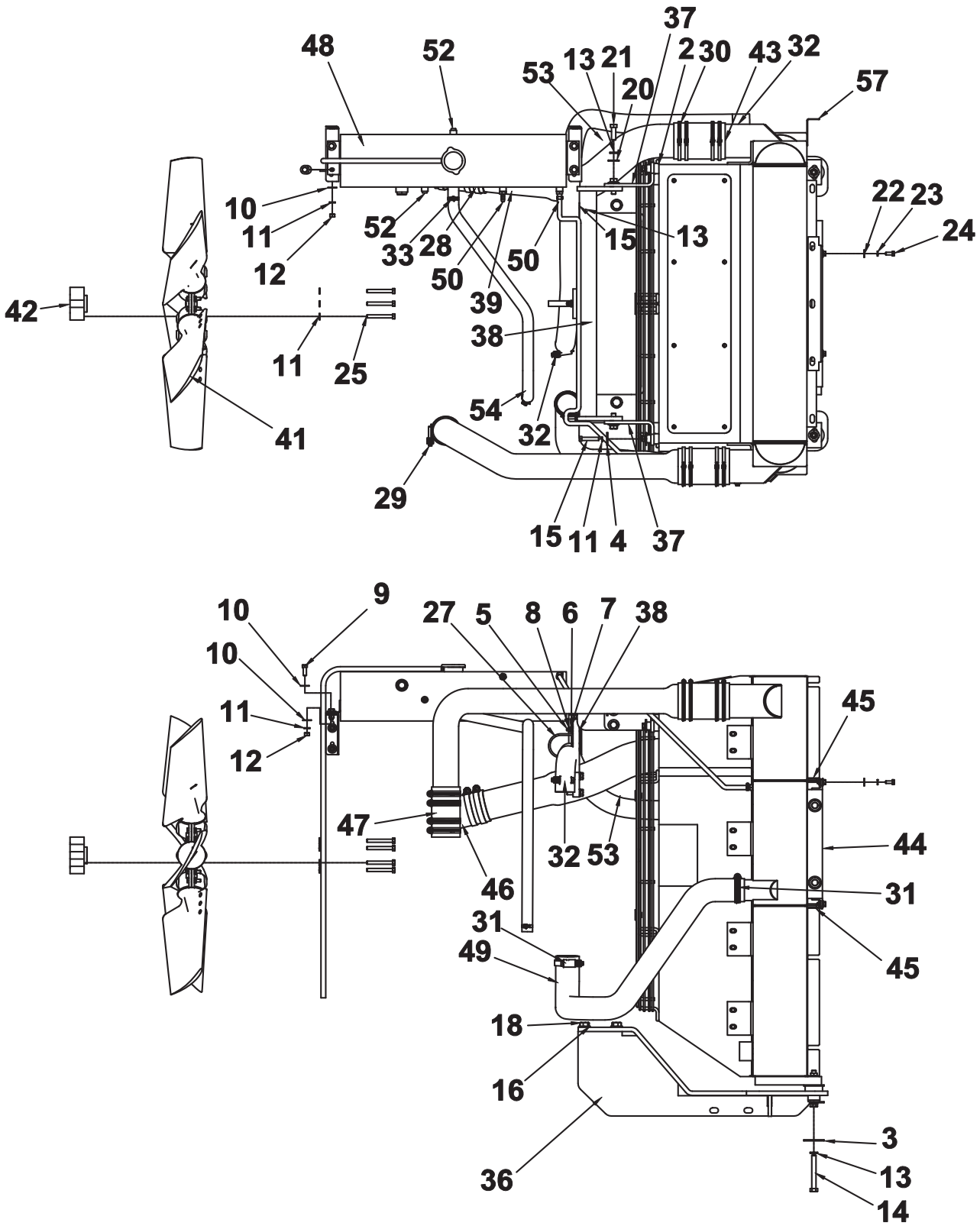
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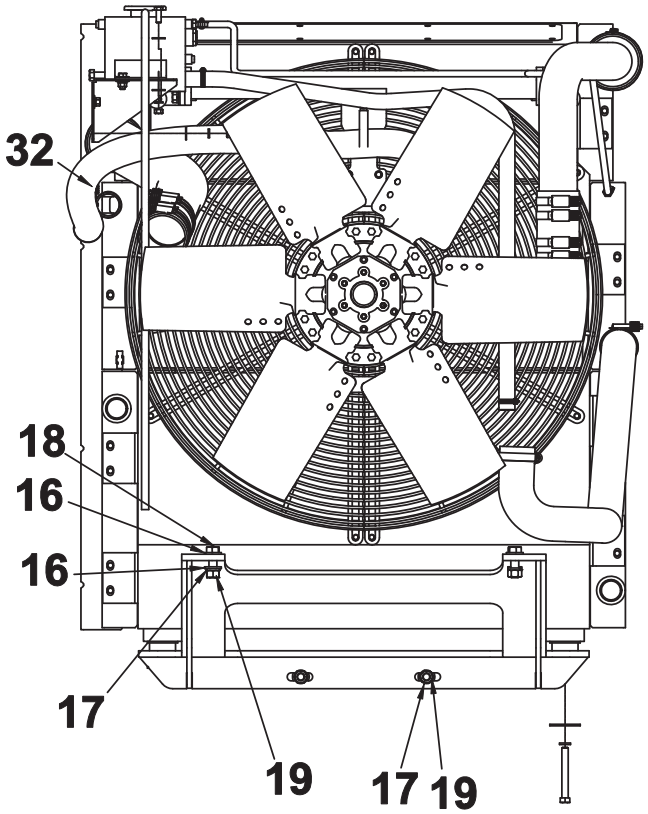
RADIATOR ASSEMBLY (217202-01)

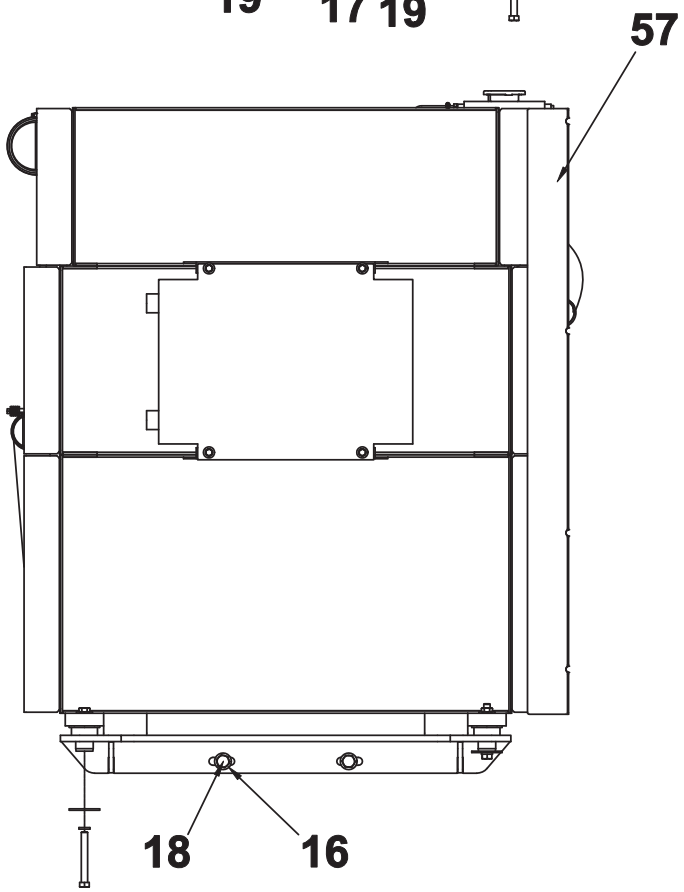


SB-2500D RADIATOR ASSEMBLY
(217202-01)



SB-2500D RADIATOR ASSEMBLY
(217202-01)





ASSEMBLY NOTE: USE NUTS & WASHERS
THAT ARE USED TO ATTACH REAR WALL
INSULATION TO SECURE RADIATOR FLASHIN.

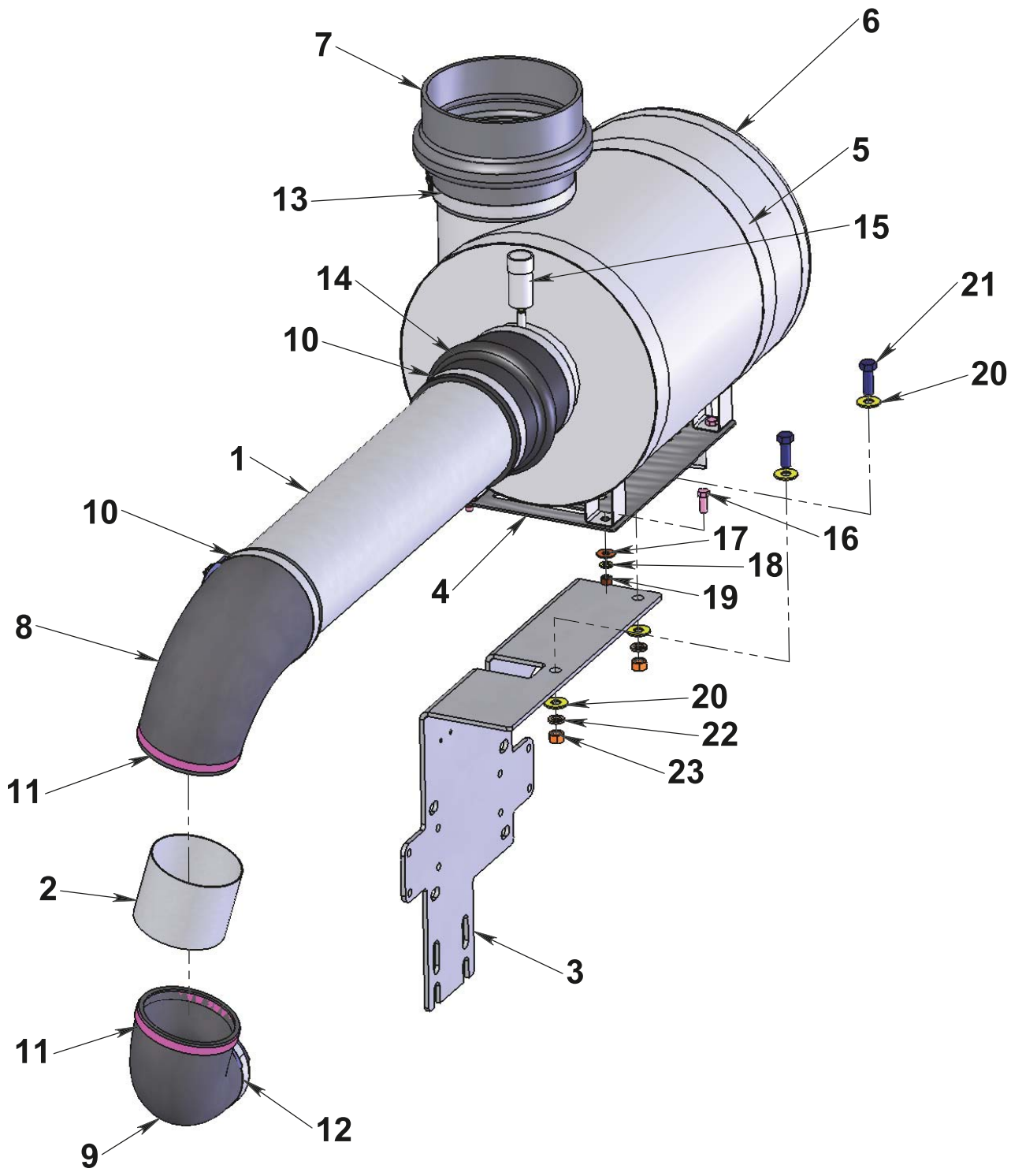
RADIATOR ASSEMBLY
(217202-01)

ITEM #	PART #	DESCRIPTION	QTY
1	203226-03	RUBBER MOUNT * 1/2" BOLT SIZE	2
2	203225-03	RUBBER MOUNT * 3/8" BOLT SIZE	4
3	203228-03	RUBBER MOUNT * HEAD WASHER (CBA20)	4
4	203227-03	RUBBER MOUNT * HEAD & TAIL WASHER	4
5	87849	BOLT * HEX 1/4"-20 X 1 1/2"	1
6	84444	WASHER * FLAT 1/4" STEEL	1
7	83065	WASHER ~ LOCK 1/4" SPRING STEEL	1
8	89772	NUT * 1/4"-20 HEX GRADE 8	1
9	84332	BOLT * HEX 3/8"-16 X 1"	4
10	83757	WASHER ~ FLAT 3/8 STEEL	12
11	83056	WASHER ~ LOCK 3/8 SPRING STEEL	18
12	83055	NUT * 3/8-16 HEX GRADE 8	8
13	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	10
14	84431-04	BOLT * HEX 1/2"-13 X 4"	2
15	96475	BOLT ~ HEX 3/8"-16 X 2"	4
16	26F83	WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW	8
17	84717	WASHER ~ LOCK 5/8" SPRING STEEL	6
18	96041	BOLT ~ HEX 5/8-11 x 2"	6
19	85148	NUT * 5/8"-11 HEX GRADE 8	6
20	83781-04	WASHER * FLAT 1/2" STEEL	6
21	93144	BOLT * HEX 1/2"-13 X 1 1/2"	4
22	90871	WASHER ~ FLAT 5/16" STEEL	4
23	87328-04	WASHER ~ LOCK 5/16" SPRING STEEL	4
24	87329-04	BOLT ~ HEX 5/16"-18 x 3/4"	4
25	121200	HEX BOLT ~ 3/8"-16 x 3"	6
26	01190	BOLT * HEX M12-1.75 X 40 8.8 933	4
27	205668-04	CLAMP RUBBERIZED	1
28	90084-04	CLAMP * CONSTANT TORQUE	4
29	90085-04	CLAMP * CONSTANT TORQUE 2 3/4-3 5/8	4
30	133591	CLAMP ~ 3 5/8"TO 4 5/8"	8
31	86003-04	CLAMP * 2 1/4 X 3 1/8 CONSTANT-TORQ	2
32	122629	CLAMP ~ 1 3/4 x 2 5/8 CONSTANT-TORQ	2
33	23H31	CLAMP ~ 1 1/4" WORM	2
34	94904	CLAMP * HOSE 1/4"	4
35	217192-01	COOLING PACKAGE	1
36	217195-02	WELDMENT-BOTTOM SUPPORT	1
37	203210-03	DETAIL-TOP SUPPORT EXTENSION	2
38	216260-03	WELDMENT ~ TOP SUPPORT	1
39	216215-01	DETAIL, CHARGE AIR TUBE, TURBO EXIT	1
40	216216-01	CHARGE AIR, TURBO OUTLET	1
41	215932-03	FAN	1
42	216342-03	DETAIL, FAN SPACER	1
43	216449-04	COUPLING* 4" CHARGE AIR COOLING RUBBER	2
44	203544-03	ENGINES-COOL * FUEL COOLER	1
45	216337-03	WELDEMENT ~ FUEL COOLER SUPPORT BRACKET	2

RADIATOR ASSEMBLY
(217202-01)

ITEM #	PART #	DESCRIPTION	QTY
46	216448-04	COUPLING* 3 1/2" CHARGE AIR COOLING RUBBER	1
47	216447-04	COUPLING* 3" CHARGE AIR COOLING RUBBER	1
48	216349-03	TANK * TOP TANK TIER III	1
49	217202-01-5	HOSE * 2 1/2"ID. X 36" RADIATOR	1
50	91846-04	1/4" NPT - 1/4" BARB	3
51	217048-01	EXPANSION TANK BRACE	2
52	98247	PLUG 1/4" NPT CSK SOC. HD. BRASS	2
53	217202-01-2	2" RADIATOR HOSE x 52 " LG.	1
54	217202-01-3	HOSE * 1" RADIATOR x 51"	1
55	217202-01-4	HOSE, 1/4" FUEL LINE	1
56	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	2
57	217614-01	RADIATOR FLASHING	1
58	146736	FLUIDS*COOLING ADDITIVE-1 LITER BTL	1
59	218301-04	CONNECTOR, 8 MALE SAE TO 6 HOSE	2
60	217202-01-44	HOSE, 1/4	1

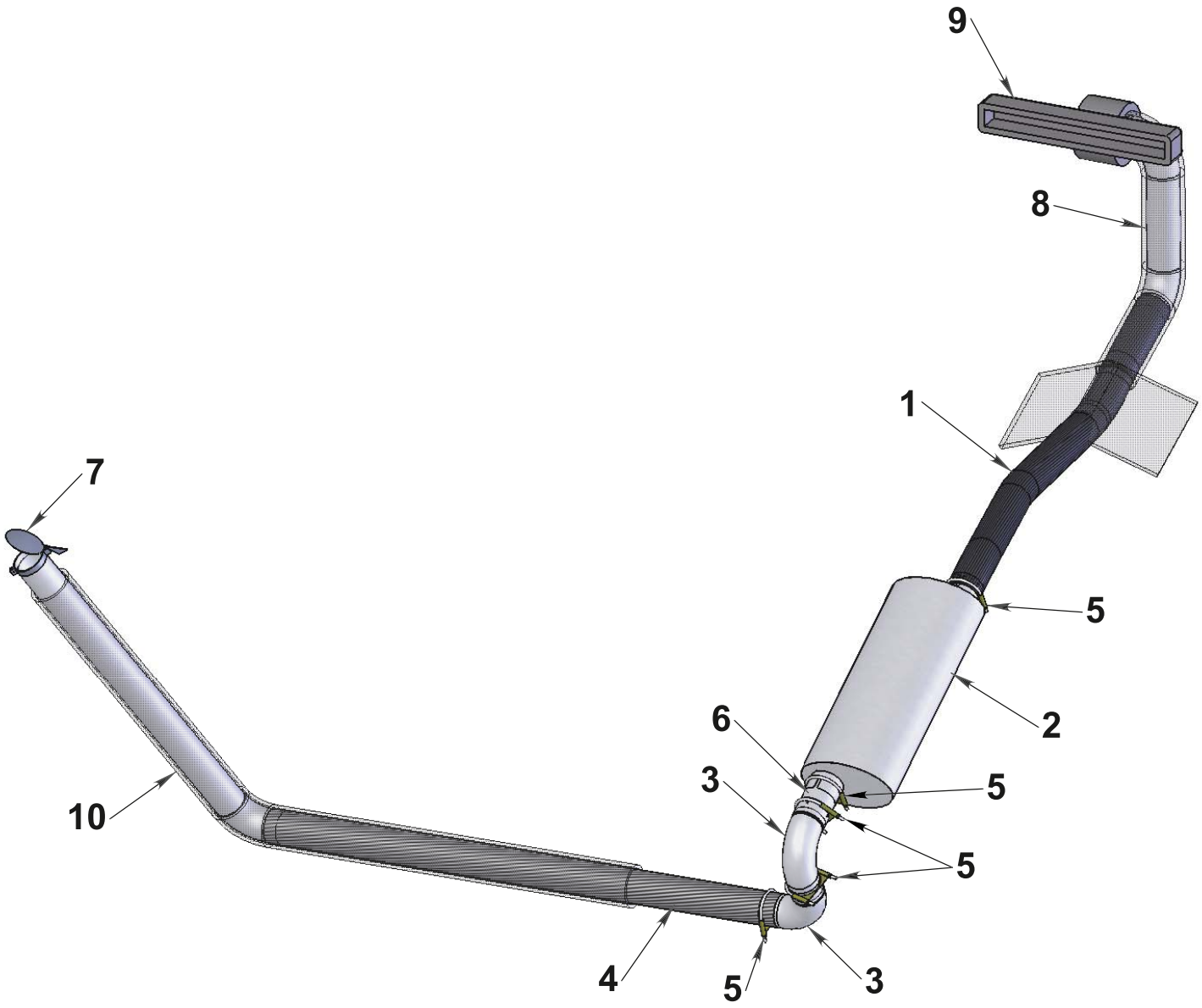
ASSEMBLY, AIR INTAKE
(217189-01)



ASSEMBLY, AIR INTAKE
(217189-01)

ITEM #	PART #	DESCRIPTION	QTY
1	217189-01-1	RD.TUBE, 6" x 1/16" WA, 28" A36	1
2	217189-01-2	RD.TUBE, 5" x 1/16" WA, 4" A36	1
3	140513-01	DETAIL-AIR CLEANER BRACKET-2500B	1
4	140525-04-1	PLATE, 1/8 x 10 x 15, A36	1
5	203087-03	FILTER*15"MOUNTING BAND(AIR CLEANR)	2
6	203086-03	FILTER * AIR CLEANER SB/MTV TIER II	1
7	201416	RUBBER * 8-7 HUMP REDUCER	1
8	135693	RUBBER * 6 TO 5 90 DEG.ELBOW	1
9	126978	RUBBER * 4" TO 5" REDUCING ELBOW	1
10	95047	CLAMP ~ 6" T-BAR	3
11	95591	CLAMP * T-BAR 5"	2
12	83129	CLAMP * T-BAR 4"	1
13	135309	CLAMP ~ 7" T-BAR	1
14	95043	RUBBER * 6" STRAIGHT HUMP	1
15	28R14	GAUGE * RESTRICTION INDICATOR KIT	1
16	84332	BOLT * HEX 3/8"-16 X 1"	4
17	83757	WASHER ~ FLAT 3/8 STEEL	4
18	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
19	83055	NUT * 3/8-16 HEX GRADE 8	4
20	83781-04	WASHER * FLAT 1/2" STEEL	4
21	93144	BOLT * HEX 1/2"-13 X 1 1/2"	2
22	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	2
23	83288	NUT * 1/2"-13 HEX GRADE 8	2

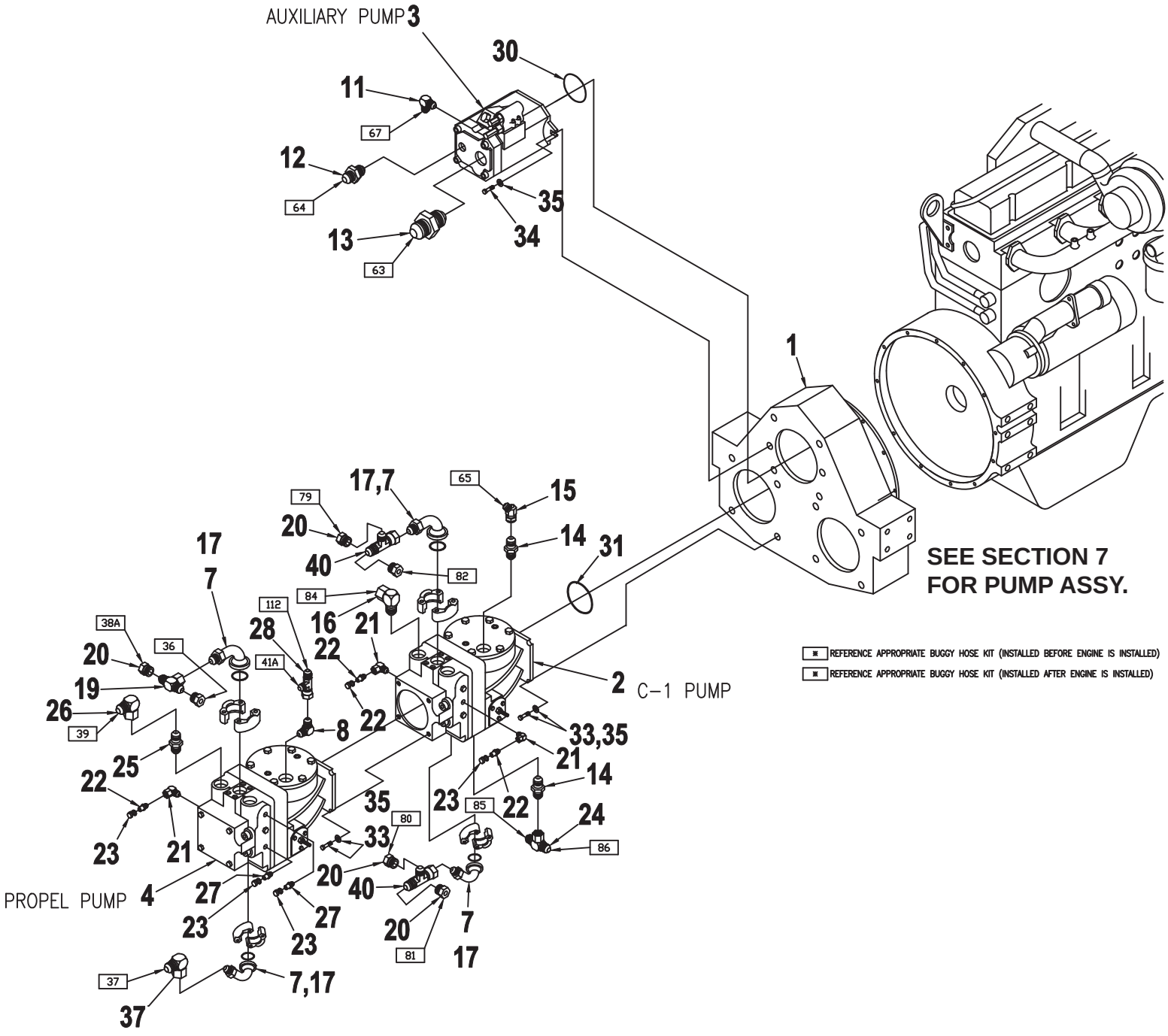
ASSEMBLY, EXHAUST, CAT TIER III (221153-01)



ITEM #	PART #	DESCRIPTION	QTY
1	216965-01	EXHAUST * TUBE - TURBO	1
2	216024-03	MUFFLER, 5" X 10-15" OVAL, 42.5 OAL	1
3	216500-03	EXHAUST * ELBOW 90 5"OD X 5"ID	2
4	217871-01	EXHAUST STACK	1
5	89096-04	CLAMP ~ 5" MUFFLER	5
6	221153-01-5	TUBE, 5" x 1/16" WA, 6" LG, A513	1
7	89078-04	RAIN CAP * DURALIFE 5" (CHROME)	1
8	217091-03	INSULATION ~ EXHAUST BEFORE MUFFLER	1
9	220658-04	INSUL * TURBO BLANKET KIT	1
10	216507-03	INSUL * EXHAUST AFTER MUFFLER	1

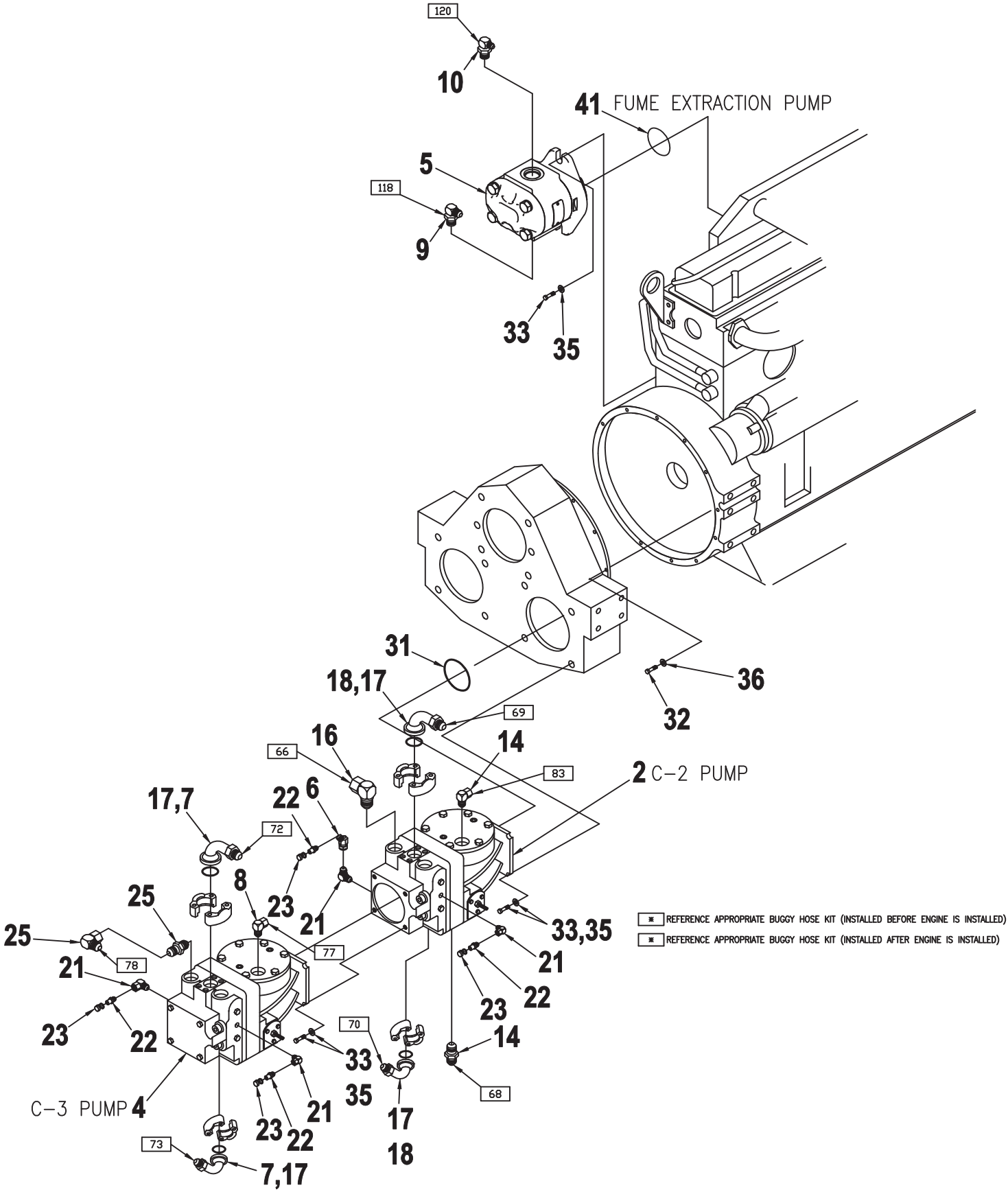
ENGINE PUMPS ASSEMBLY
(218599-01)

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ENGINE PUMPS ASSEMBLY
(218599-01)

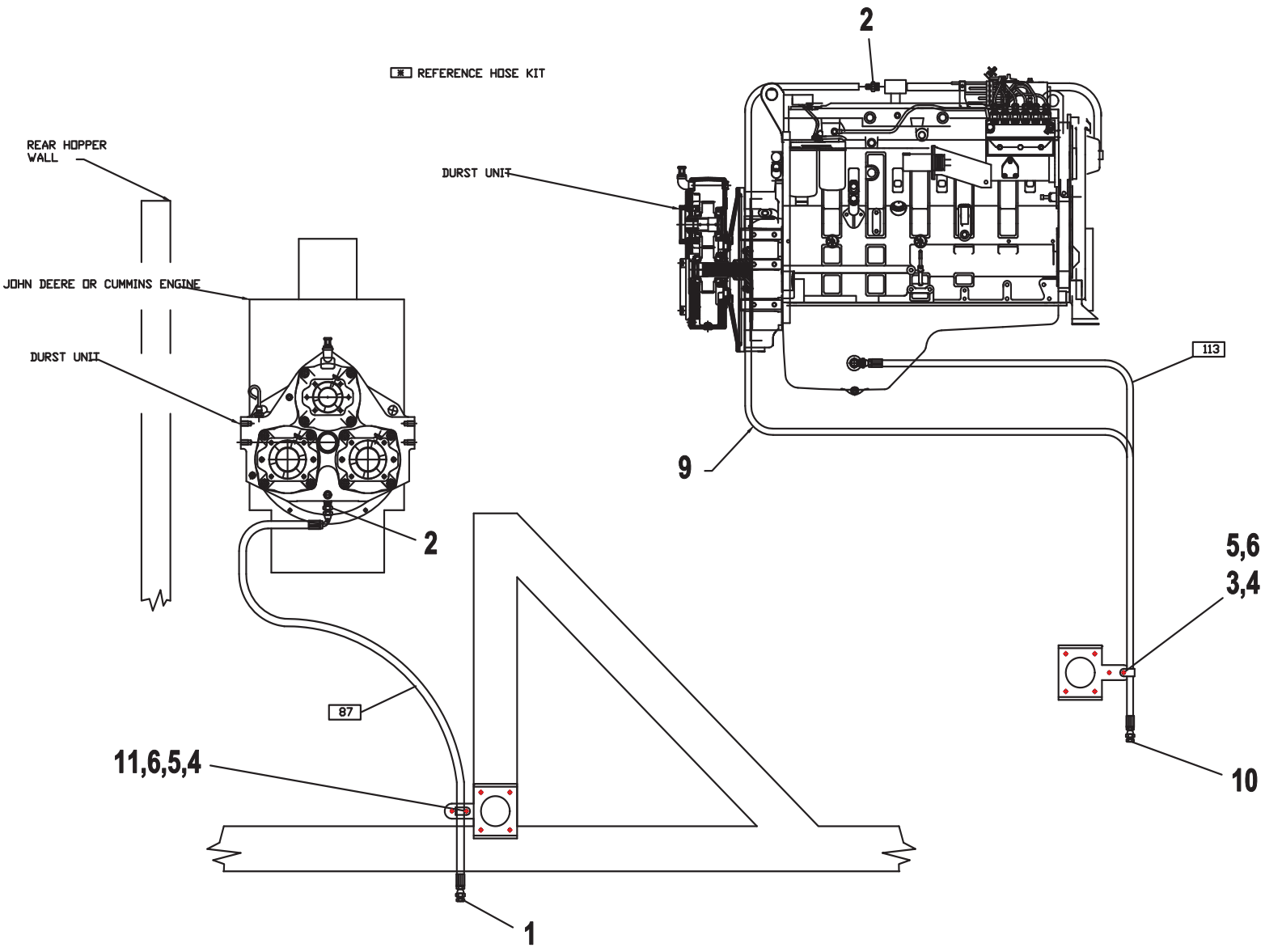


218599-01
ENGINE PUMPS ASSEMBLY

ITEM #	PART NO.	DESCRIPTION	QTY.
1	215894-03	TRANS - PUMP DRIVE 3 PAD W/ SPEED UP	1
2	99814	PUMP - SUN STRAND 90/100 (C-1 & C-2)	2
3	211743-04	PUMP - 45CC PRESSURE COMPENSATED	1
4	29J94	PUMP - SUN STRAND 90/75 (C-3 & DRIVE)	2
5	204513-04	PUMP - 1.37 CID GEAR	1
6	90768-04	FIT - 6 JIC 45 DEG. SWIVEL	1
7	92775	FIT - 16 JIC 16 FLG. 90 DEG. CODE 62	6
8	91664-04	FIT - 12 SAE X 12 JIC 90 DEG.	1
9	127491	FIT - 8 JIC X 12 SAE 90 DEG.	1
10	91660	ELBOW - 16 JIC X 16 SAE 90 DEG.	1
11	27551	FIT - 10 SAE X 12 JIC 90 DEG.	2
12	85874-04	FIT - 16 SAE X 12 JIC ST	1
13	83768-04	FIT - 24 SAE X 24 JIC STRAIGHT	1
14	83457-04	FIT - 12 SAE X 12 JIC 90 STRAIGHT	3
15	90952-04	FIT - 12 JIC SWIVEL 45 DEG.	1
16	97168	FIT - 20 SAE X 20 JIC 90 DEG.	2
17	90729	KIT - # 16 FLANGE KIT	8
18	95981	FIT - 16 X 20 JIC FLG. 90 DEG.	2
19	90939-04	FIT - 16 JIC SWIVEL BRANCH TEE	1
20	89596-04	FIT - 16 JIC F X 12 JIC M REDUCER	6
21	83734-04	FIT - 6 SAE X 6 JIC 90 DEG.	7
22	131680-04	FIT - 6 JIC TEST PORT	7
23	85949-04	TEST PORT CAP	9
24	84402-04	FIT - 12 JIC BRANCH TEE	1
25	89610	FIT - 16 SAE X 16 JIC 90 DEG.	2
26	84654-04	FIT - 16 JIC SWIVEL 90 DEG.	2
27	85948-04	FIT - 6 SAE TEST PORT	2
28	85303-04	FIT - 12 SAE RUN TEE	1
29	99534	FIT - 16 X 20 JIC FLG. 45 DEG.	1
30	211562-04	O-RING - 2-155	2
31	97489	KIT - O-RING 70D	2
32	83780-04	HEX BOLT - 7/16-14 X 1 1/2"	12
33	93144	HEX BOLT - 1/2-13 X 1 1/2" GR8	18
34	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	2
35	05707	CONICAL WASHER - 1/2"	20
36	83756-04	LOCKWASHER - 7/16" SPRING STEEL	12
37	85216-04	FIT - 20 JIC SWIVEL 90 DEG. ELBOW	1
38	91208	FLATWASHER - 7/16" STEEL	12
39	133698	FIT - 12 JIC X 8 SAE 90 DEG. MALE ELBOW	1
40	98118	FIT - SWIVEL RUN TEE 16 JIC	3
41	123041-04-C2	KIT - O-RING 70D	1

DURST OIL DRAIN ASSEMBLY
(142903-01)

NEXT PAGE



SIDE VIEW

DURST OIL DRAIN ASSEMBLY
(142903-01)

INSTALLATION INSTRUCTIONS

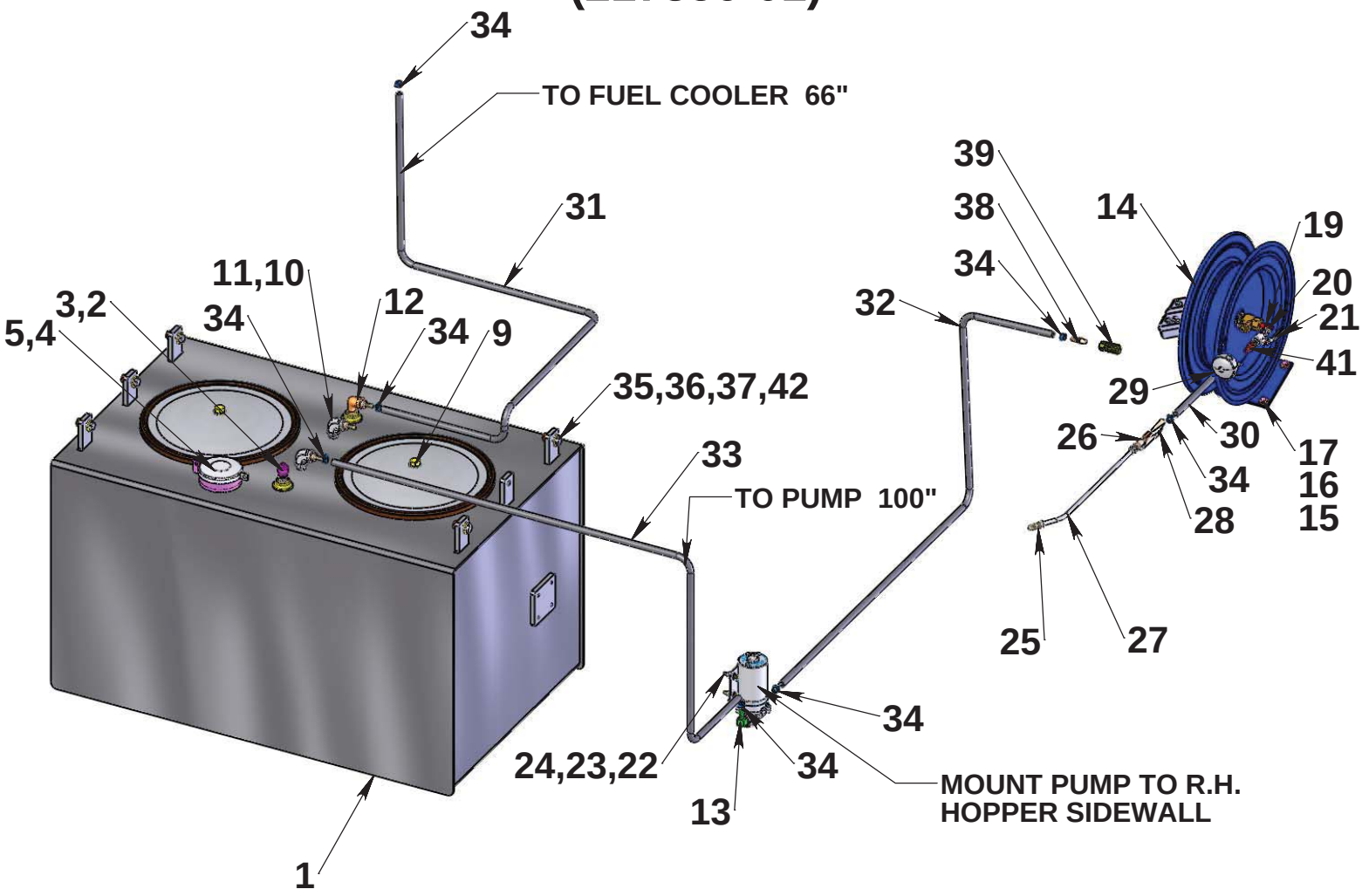
1) TO INSTALL DRAIN HOSE, REMOVE SQUARE PLUG FROM THE BOTTOM OF THE DURST UNIT. (A 6 QT. CONTAINER NEEDS TO BE PROVIDED TO CATCH THE OIL HELD IN THE DURST UNIT).
2) AFTER THE CASING IS DRAINED CLEAN THE ORIFICE OF ANY DEBRIS. INSTALL ITEM 2 IN THE THREADED OUTLET. (OPT. YOU MAY APPLY SOME FORM OF APPROVED SEALANT TO THE THREADS TO HELP PREVENT LEAKS).
3) ONCE ITEM 2 IS INSTALLED , CONNECT THE HOSE ASSEMBLY TO ITEM 2 (DO NOT APPLY ANY FORM OF THREAD SEALANT TO THE JIC THREADS) AFTER FASTENING THE HOSE ASSEMBLY TO ITEM 2. ROUTE THE DRAIN HOSE IN SUCH A MANNER THAT THE HOSE DOSE NOT COME IN CONTACT WITH ANY EDGES THAT ARE SHARP OR HOT. THE SUGGESTED ROUTE IS AS SHOWN IN THE VIEWS BELOW.
4) ATTACH ITEM 6 WITH ITEM 8 APPROXIMATELY 4'TO THE RIGHT OF THE VERTICAL TUBE FRAME ON THE HORIZONTAL MEMBER. RUN HOSE THRU CLAMP
5) INSTALL ITEM 1 IN ITEM 5 MAKE SURE IT IS SECURE INSTALL NEW FLUID IN THE DURST UNIT CHECKING TO MAKE SURE NOT TO OVER FILL THE UNIT
6) USE THE ITEMS 7 TO SECURE THE DRAIN HOSE AND KEEP MOVEMENT TO A MINIMUM

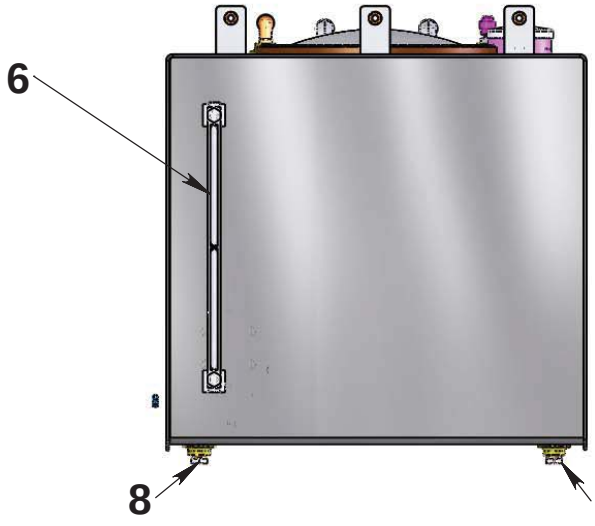
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	85393-04	8 JIC PLUG	1
2	83468-04	CONNECTOR - 8 JIC - 1/2" NPT MALE	2
3	83924	HEX BOLT - 3/8-16 X 1 1/2"	1
4	83056	LOCK WASHER - 3/8" SPRING STEEL	2
5	83055	HEX NUT - 3/8-16 GR8	2
6	20K38	CLAMP - 1 1/4" DIA. X 9/16" WTH.	2
7	83905-04	WIRE TIE - 1/4" X 14" NYLON	4
8	142805-04	GEAR DRIVE DRAIN TAG	1
9	91321-04	HOSE - 3/4" WATER	136"
10	83979-04	FIT - PLUG #12 SAE	1
11	84332	HEX BOLT - 3/8-16 X 1"	1

SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FUEL TANK & WASHDOWN	217356-01	876 & UP	2.1
MAINFRAME	222724-01	975 & UP	2.3
MAINFRAME	222774-01	958-974	2.7
FXS UNIT	224606-01		2.11
MIRROR	202080-01	640 & UP	2.12
DECAL KIT	217999-01	848 & UP	2.13
PLATFORM & HOOD	224720-01	993 & UP	2.17
PLATFORM & HOOD	223715-01	930-992	2.21
FOLDING HOOD RAILS	224025-01		2.24
OPERATORS STATION	217030-01	860 & UP	2.25
HOOD INSULATION	224744-01	993 & UP	2.27
HOOD INSULATION	217874-01	930-992	2.28
STROBE LIGHT	214370-01		2.29

ASSEMBLY ~ FUEL TANK
(217356-01)



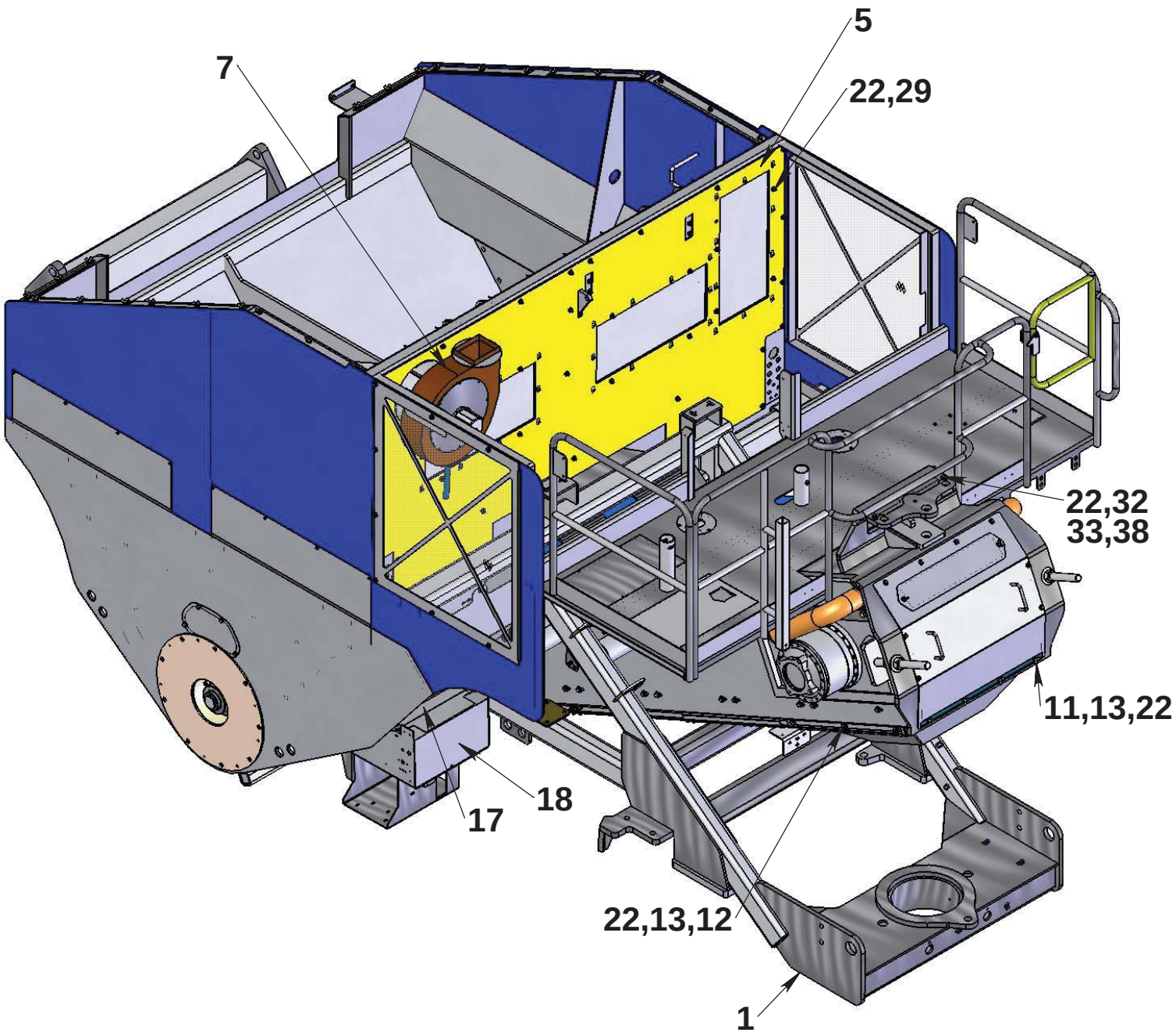


ASSEMBLY ~ FUEL TANK
(217356-01)

ITEM #	PART #	DESCRIPTION	QTY
1	217334-01	WELDMENT ~ FUEL TANK	1
2	89608	FIT * 1/2"NPTM X 1/4"NPTF RED.BUSH.	1
3	27X25	VALVE * FUEL TANK VENT 15-20 PSI	1
4	98027	ENGINE ~ FUEL CAP (NON-VENTED)	1
5	803546	FILTER * STRAINER	1
6	29L61	GAUGE * FUEL TANK LEVEL SIGHT TUBE	1
7	217165-02	PUMP - 50 PSI SPRAYDOWN	1
8	97032	PIPE PLUG ~ 3/4" NPT HEX HEAD	2
9	208510-04	COVER * 16" RESERVOIR	2
10	205698-04	FIT * 1/2 90 NPT FEMALE A576 STL	2
11	91594	HOSE BARB * 1/2" NPT - 3/8" BARB	3
12	138868-04	PLUMB*1/2 NPT 90 STREET A576	1
13	201214-04	FIT * BRASS 3/8 NPT X 3/8 BARB 90	1
14	131616-04	HOSE REEL * HEAVY DUTY 35'	1
15	83757	WASHER ~ FLAT 3/8 STEEL	4
16	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
17	84332	BOLT * HEX 3/8"-16 X 1"	4
18	80187	HOSE BARB * 3/8 NPT X 3/8 BARB	1
19	85466-04	FIT * ELBOW 6 JIC X 3/8 NPT 90 DEG	1
20	86622-04	FIT * 1/4 NPT M - 6 JIC FEM SWIVEL	1
21	89010-04	VALVE*2 WAY BALL(1/4 NPT)	1
22	84444	WASHER * FLAT 1/4" STEEL	4
23	83065	WASHER ~ LOCK 1/4" SPRING STEEL	4
24	90763	BOLT * HEX 1/4"-20 X 1 1/4"	4
25	128843	SPRAY NOZZLE 289-4590	1
26	128842	HAND SHUT OFF	1
27	128844	WAND-EXT 18" 318-5238	1
28	80553-04	HOSE BARB * BARBED 1/8" X 3/8"	1
29	145619-04	RUBBER * RUBBER STOP	1
30	217356-01-31	HOSE, 3/8 FUEL & WATER X 600" LG.	1
31	217356-01-32	HOSE, 3/8 FUEL & WATER X 66" LG.	1
32	217356-01-33	HOSE, 3/8 FUEL & WATER X 70"	1
33	217356-01-34	HOSE, 3/8 FUEL & WATER X 100"	1
34	45228	CLAMP * 3/8"- 1/2 WORM	7
35	83781-04	WASHER * FLAT 1/2" STEEL	5
36	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	5
37	93144	BOLT * HEX 1/2"-13 X 1 1/2"	5
38	80349-04	HOSE BARB * 1/4"NPT X 3/8" BARB	1
39	85947-04-C3	KIT * FEMALE TESTPORT DISCONNECT	1
40	86170-04	FIT * ADAPTER 6 JIC -1/4 NPT M.	1
41	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	1
42	83288	NUT * 1/2"-13 HEX GRADE 8	5

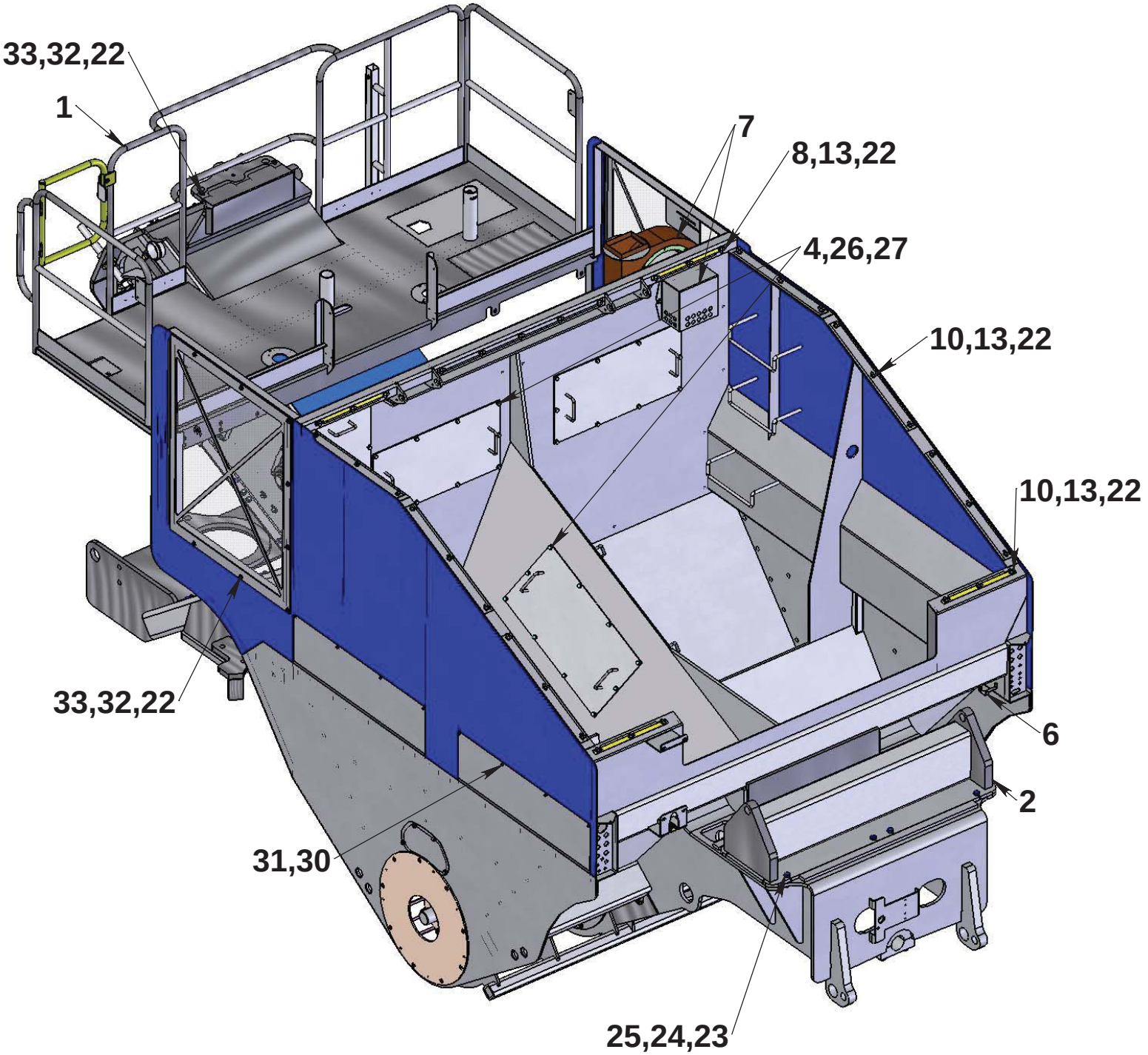
ASSEMBLY-MAINFRME
(222724-01)

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ASSEMBLY-MAINFRME
(222724-01)

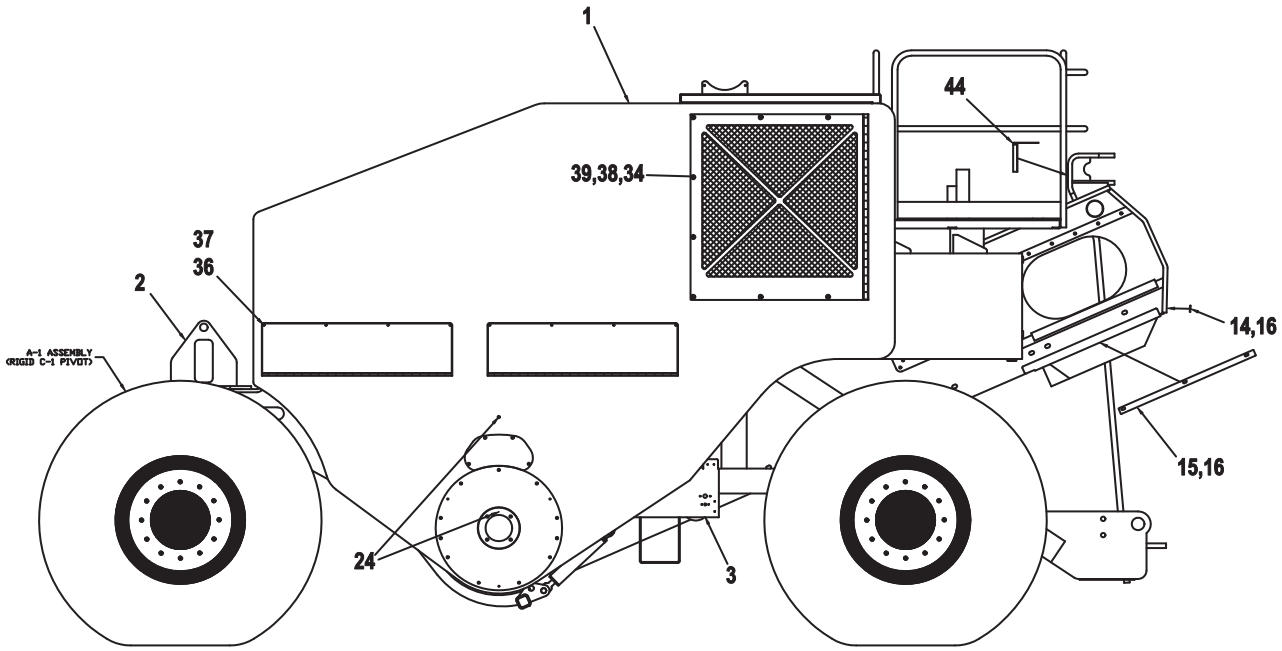


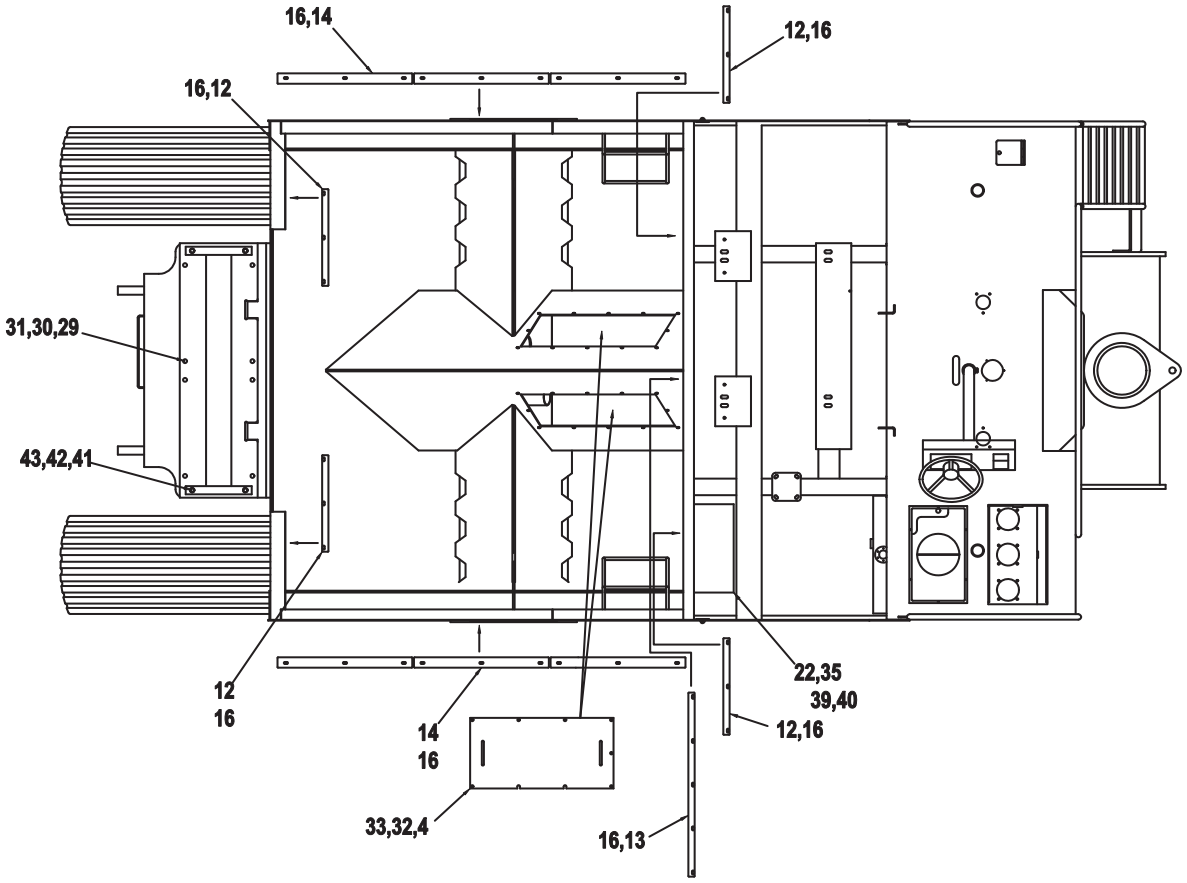
ASSEMBLY-MAINFRME
(222724-01)

ITEM #	PART #	DESCRIPTION	QTY
1	222725-01	WELDMENT-MAINFRAME	1
2	218728-01	WELDMENT-RIGID C1 PIVOT	1
3	222724-01-3	MOLDING * 1/2" INTERLOCK 10"	1
4	133318-01	WELDMENT-ACCESS COVER	5
5	223740-01	INSULATION * REAR WALL	1
6	203794-04	DETAIL-HORN BRACKET-SB-2500XL	1
7	224606-01	ASSEMBLY - FXS	1
8	224214-03	DETAIL-CANVAS CLAMP BAR 19 1/2"	4
9	200146-03	DETAIL-CANVAS CLAMP BAR 44 1/4"	1
10	204707-03	DETAIL-CANVAS CLAMP BAR 30"	6
11	223756-03	VINYL CLAMP BAR ~ 34 1/2"	1
12	147387-03	DETAIL-CANVAS CLAMP BAR 34"	2
13	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	45
14	222724-01-17	INSULATION * 1" ID HOSE SLEVE (NOT SHOWN) 210"	1
15	222724-01-18	INSULATION * 1 1/2" ID HOSE SLEVE (NOT SHOWN) 450"	1
16	222724-01-19	INSULATION * 2 1/2" ID HOSE SLEEVE (NOT SHOWN) 420"	1
17	223825-03	DETAIL-VALVE COVER	1
18	200626-03	DETAIL-BATTERY BOX LID-SB-2500C	1
19	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
20	83657-04	WIRE TIE * 1/8" X 7" NYLON (NOT SHOWN)	150
21	83905-04	WIRE TIE * 1/4" X 14" NYLON (NOT SHOWN)	150
22	83757	WASHER ~ FLAT 3/8 STEEL	104
23	95930	BOLT * HEX 3/4"-10 X 2 3/4"	8
24	95937	WASHER * FLAT 3/4" HARD	8
25	88164	NUT ~ 3/4"-10 LOCK GRADE 8	8
26	86164	BOLT * HEX 1/2"-13 X 1 1/4"	50
27	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	50
28	223721-01	COVER*C2 DISCHARGE (NOT SHOWN)	1
29	83055	NUT * 3/8-16 HEX GRADE 8	41
30	89988-04	BOLT * HEX 1/4"-20 X 3/4"	16
31	83065	WASHER ~ LOCK 1/4" SPRING STEEL	16
32	84332	BOLT * HEX 3/8"-16 X 1"	18
33	83056	WASHER ~ LOCK 3/8 SPRING STEEL	18
34	97316	BOLT * HEX 1"-8 X 3"	4
35	83427	WASHER ~ LOCK 1" SPRING STEEL	4
36	10S89	WASHER ~ FLAT 1" A325	4
37	144258-01R	COVER * RH SIDE HOPPER CANVAS-2500B (NOT SHOWN)	1
38	201251-03	DETAIL-C-3 PIVOT GUARD-SB-2500C	1
39	205446-01	COVER * OPERATORS ACCESS CANVAS (NOT SHOWN)	1
40	144258-01L	COVER * LH SIDE HOPPER CANVAS-2500B (NOT SHOWN)	1
41	222724-01-50	TRIM * 5/8" BULB X 1/8" EDGE TOP MOUNT (NOT SHOWN) 165"	1
42	222724-01-51	TRIM * 3/4" BULB X 1/4" EDGE SIDE MOUNT (NOT SHOWN) 42"	1

MAINFRAME ASSEMBLY
(222774-01)

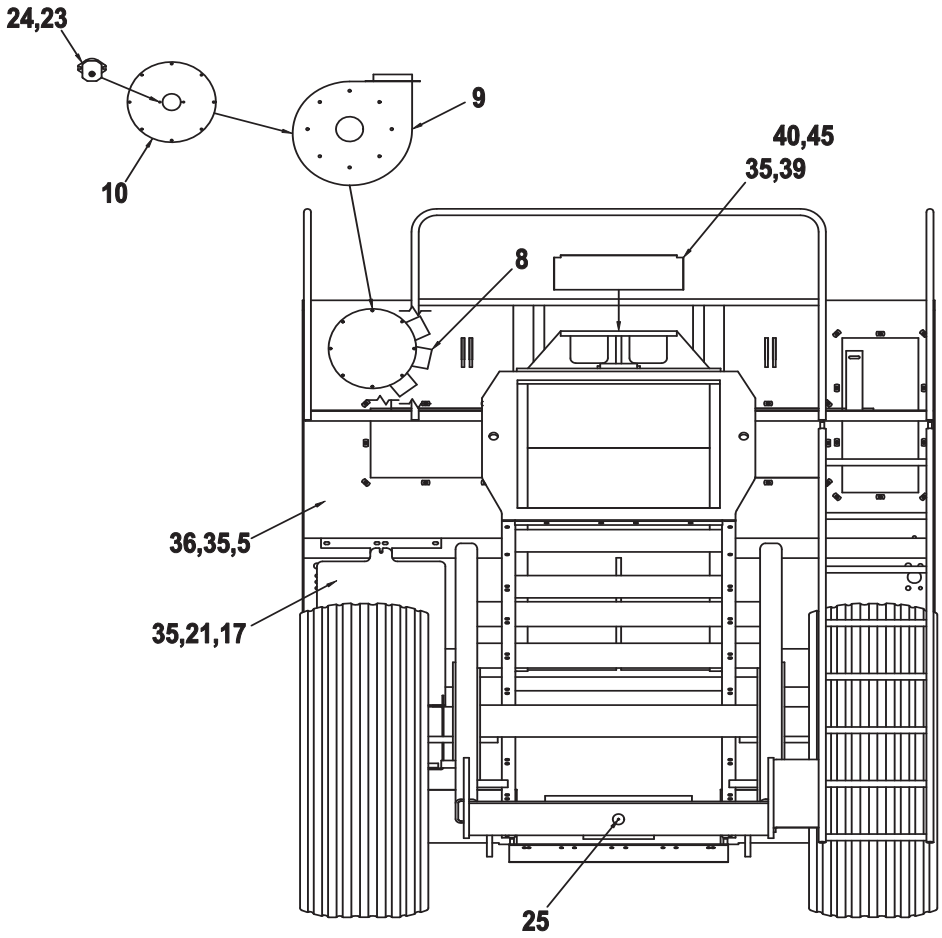
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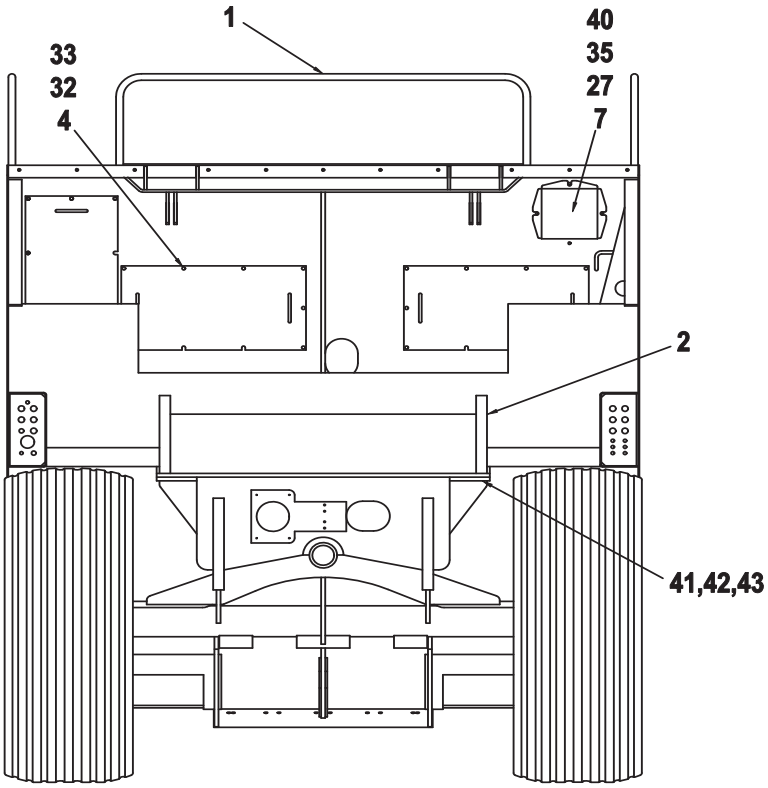




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MAINFRAME ASSEMBLY
(222774-01)





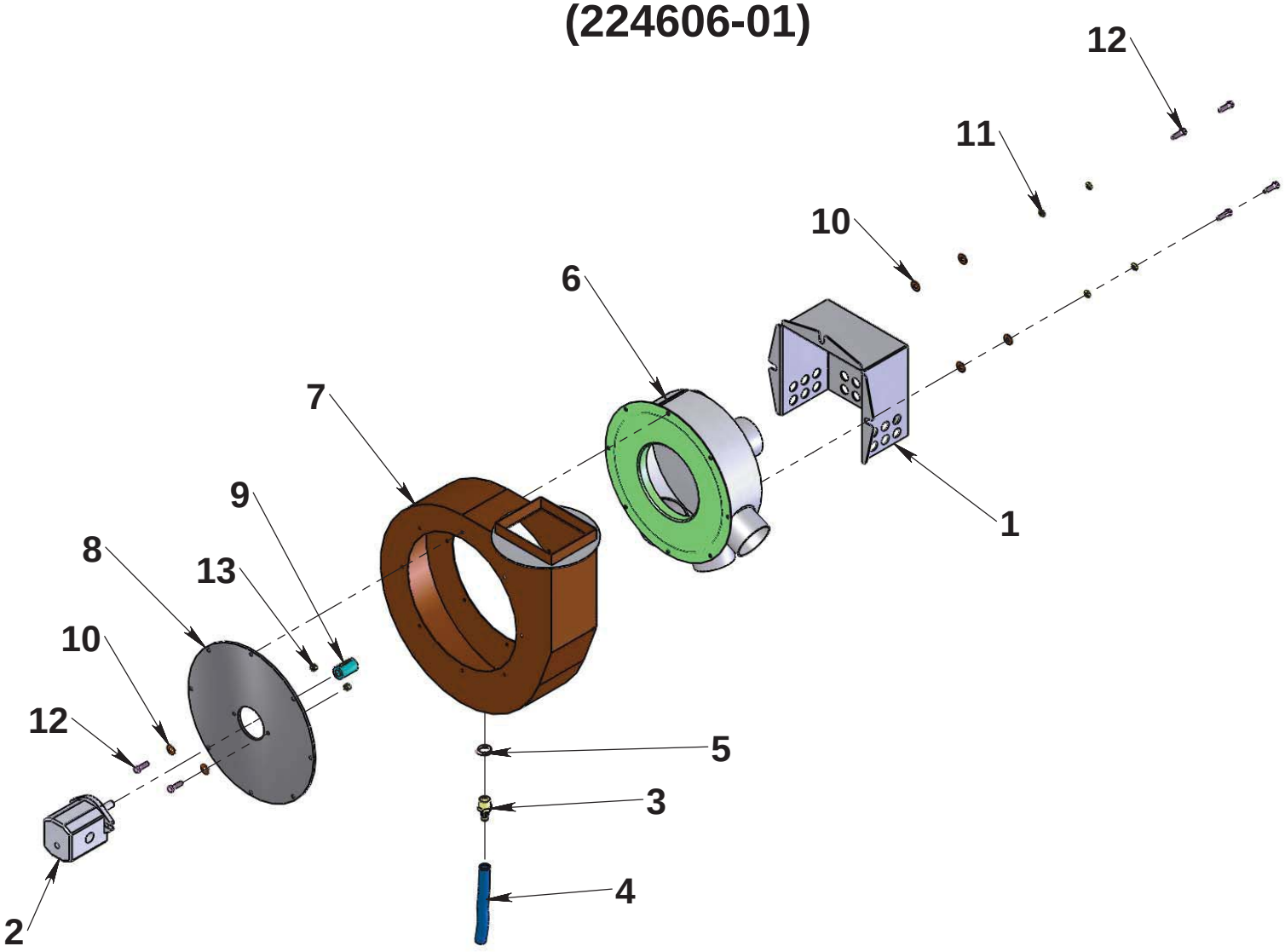
MAINFRAME ASSEMBLY
(222774-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	222757-01	MAINFRAME WLDMT.	1
2	218728-01	STANDARD C-1 PIVOT WLDMT.	1
3	98550-04	MOLDING - 1/2" INTERLOCK	10"
4	133318-01	ACCESS COVER WLDMT.	5
5	220657-01	REAR WALL INSULATION	1
6	203794-04	HORN BRACKET	1
7	146685-02	C-2 SUCTION COVER WLDMT.	1
8	129095-01	BLOWER SHROUD WLDMT.	1
9	146487-03	BLOWER HOUSING WLDMT.	1
10	215114-03	FUMEX MOTOR MOUNT WLDMT.	1
11	146569-03	CLAMP BAR - C-2 HOPPER	4
12	200146-03	CLAMP BAR - C-2 HOPPER CENTER	1
13	204707-03	CLAMP BAR - UNIVERSAL	6
14	148179-03	CLAMP BAR - C-2 DISCHARGE REAR	1
15	147387-03	CLAMP BAR - C-2 DISCHARGE SIDE	2
16	89987-04	WING BOLT - 3/8-16 X 1"	46
17	147462-04	INSULATION - 1" ID HOSE SLEEVE	210"
18	147463-04	INSULATION - 1 1/2" ID HOSE SLEEVE	450"
19	148915-04	INSULATION - 2 1/2" ID HOSE SLEEVE	420"
20	213777-03	VALVE COVER	1
21	200626-03	BATTERY BOX LID	1
22	134229-04	MOTOR - HYD. 1.03 CID (FUME-X)	1
23	130665-04	BUSHING & KEY	1
24	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
25	83657-04	WIRE TIE - 1/8 X 8 NYLON	150
26	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
27	83905-04	WIRE TIE - 1/4 X 14 NYLON	150
28	95930	HEX BOLT - 3/4-10 X 2 3/4" GR8	8
29	95937	FLAT WASHER - 3/4" HARD	8
30	88164	LOCKNUT - 3/4-10 GR8	8
31	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	50
32	83317	LOCK WASHER - 1/2" SPRING STEEL	50
33	129119-01	CANVAS - C-2 DISCHARGE	1
34	83757	FLAT WASHER - 3/8" STEEL	45
35	83055	HEX NUT - 3/8-16 GR8	26
36	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	16
37	83065	LOCK WASHER - 1/4" SPRING STEEL	16
38	84332	HEX BOLT - 3/8-16 X 1" GR8	14
39	83056	LOCK WASHER - 3/8" SPRING STEEL	18
40	97316	HEX BOLT - 1-8 X 3" GR8	4
41	83427	LOCK WASHER - 1" SPRING STEEL	4
42	10S89	HARD WASHER - 1" STEEL	4
43	144258-01R	CANVAS - RH C-2 HOPPER SIDE (NOT SHOWN)	1
44	201251-03	C-3 PIVOT GUARD	1
45	136925	HOSE BARB - 3/4" NPT X 3/4" HOSE	1

MAINFRAME ASSEMBLY
(222774-01)

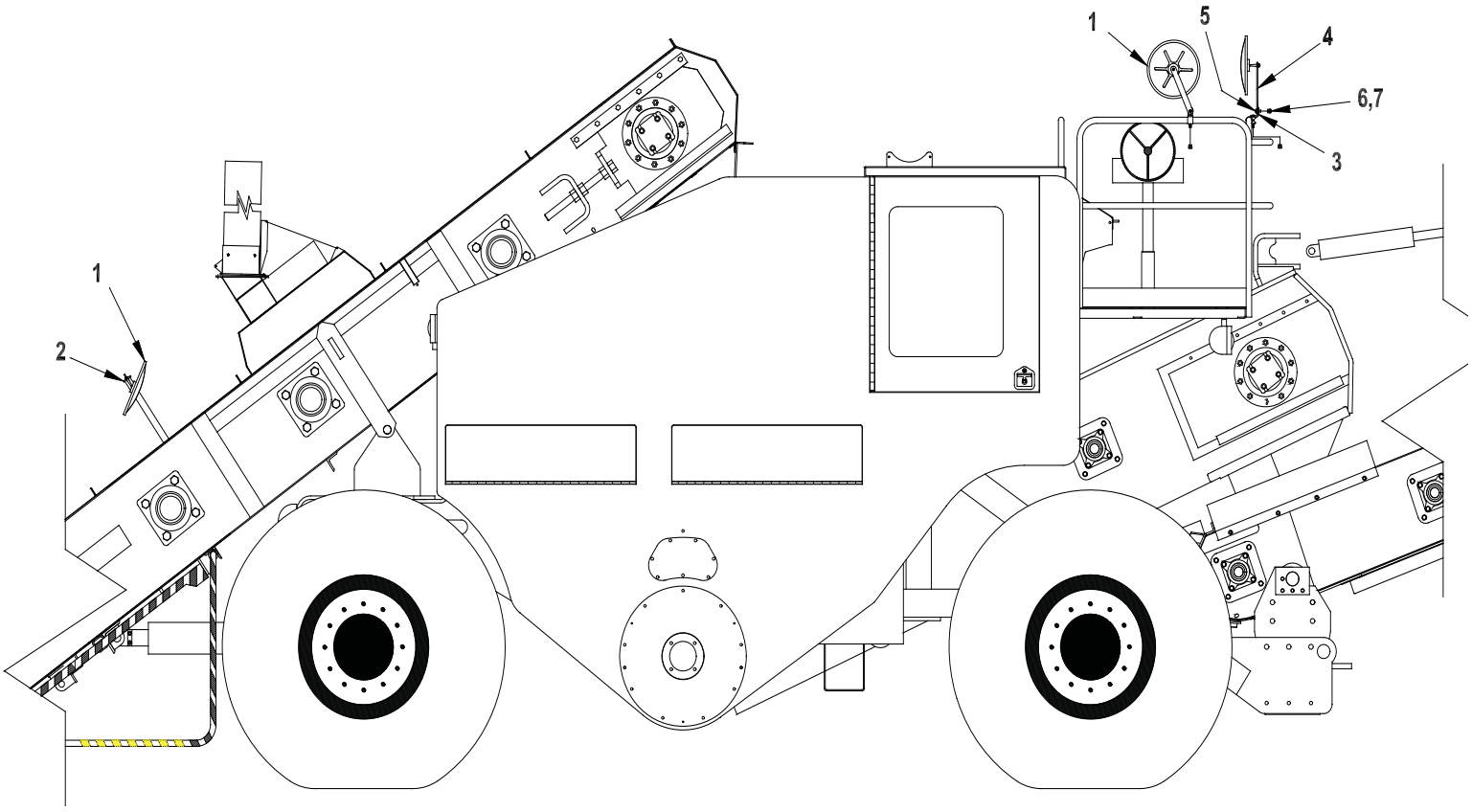
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
46	91321-04	HOSE - 3/4" WATER	96"
47	80105	CLAMP - 3/4" HOSE	1
48	205446-01	CANVAS - OPERATORS ACCESS (NOT SHOWN)	1
49	144258-01L	CANVAS - LH C-2 HOPPER SIDE (NOT SHOWN)	1
50	128936	TRIM - 5/8" BULB 1/8" EDGE TOP MOUNT	165"
51	217859-04	TRIM - 3/4" BULB 1/4" EDGE SIDE MOUNT	42"

ASSEMBLY - FXS
(224606-01)



ITEM #	PART #	DESCRIPTION	QTY
1	146685-02	WELDMENT-C2 SUCTION COVER-1500B	1
2	134229-04	MOTOR * HYDRAULIC 1.03 CID (SUNDST)	1
3	136925	BARB * 3/4 NPT X 3/4 HOSE	1
4	222724-01-46	HOSE * 3/4" WATER (BLACK) (NOT TO SCALE) 96"	1
5	80105	CLAMP * 3/4" HOSE	1
6	224567-01	WELDMENT-BLOWER SHROUD-1500/2500	1
7	146487-03	WELDMENT-BLOWER HOUSING-SB-1500B	1
8	214203-03	DETAIL-FUME EXTRACTION MOTOR MOUNT	1
9	130665-04	BUSHING & KEY	1
10	83757	WASHER ~ FLAT 3/8 STEEL	6
11	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
12	96476	BOLT * HEX 3/8"-16 X 1 1/4"	6
13	92235	NUT ~ 3/8"-16 LOCK GRADE 8	2

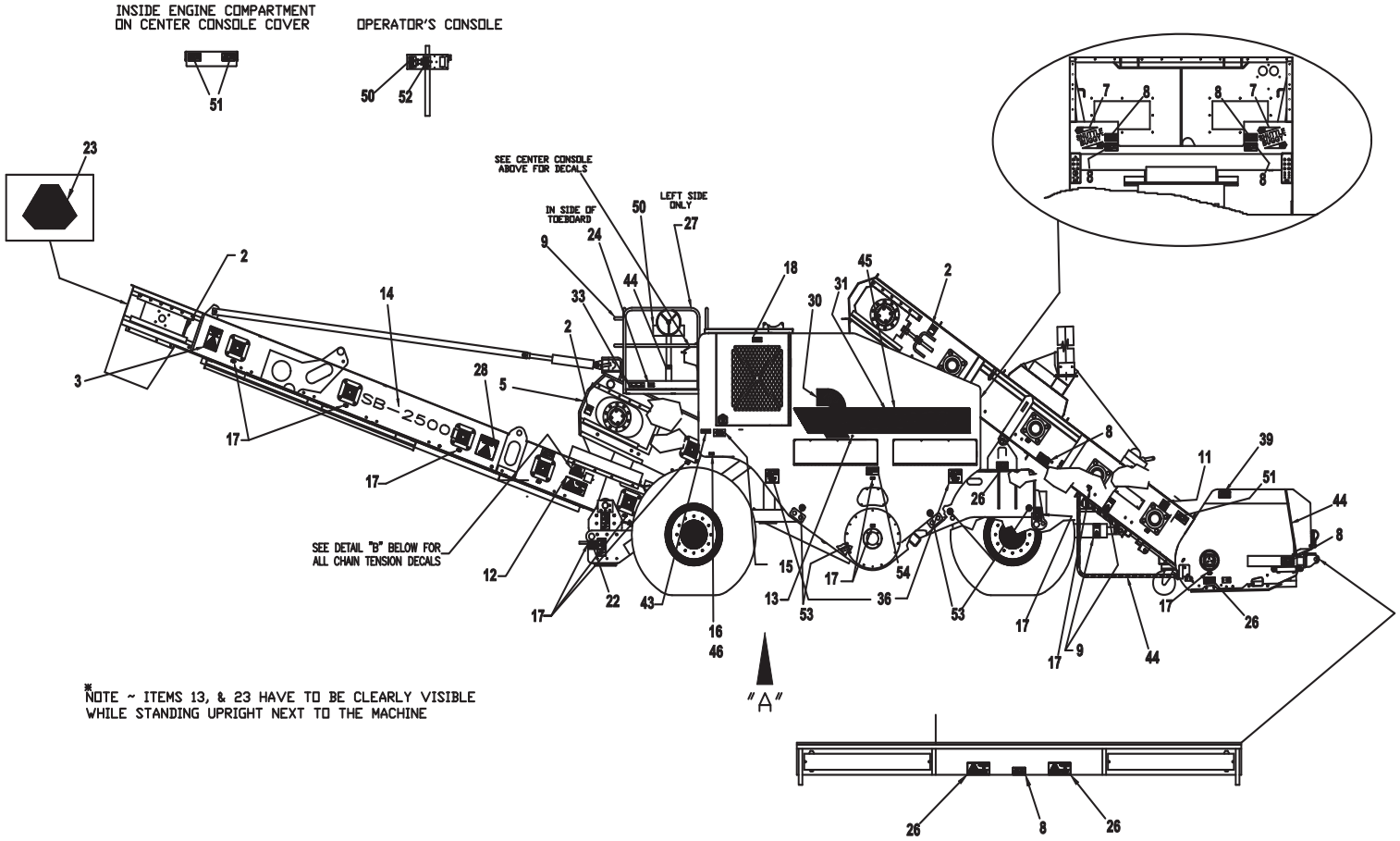
MIRROR ASSEMBLY
(202080-01)



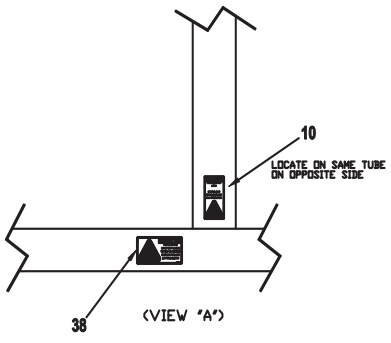
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	133459-04	12" DIA. ROUND MIRROR	6
2	201210-03	C-1 MIRROR MOUNT WLDMT.	2
3	87339-C4	KIT - ANGLE CLIP	4
4	133460-04	MIRROR MOUNTING ARM	REF
5	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
6	83056	LOCK WASHER - 3/8" SPRING STEEL	8
7	83055	HEX NUT - 3/8-16 GR8	8
8	87339-C3	KIT - 1" CLAMP (DISCARD SUPPLIED BOLT)	4
9	87339-C6	CARRIAGE BOLT - 3/8" X 2"	4
10	83757	FLAT WASHER - 3/8" STEEL	8

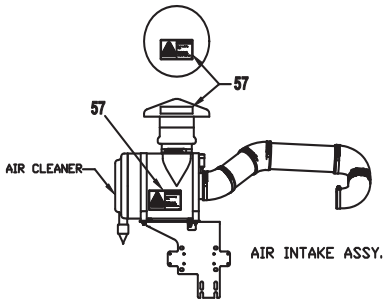
SB-2500D DECAL KIT
(217999-01)

NEXT PAGE



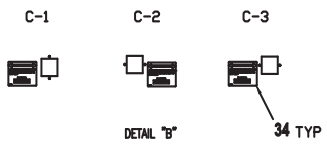
HYDRAULIC PUSH ROLLER



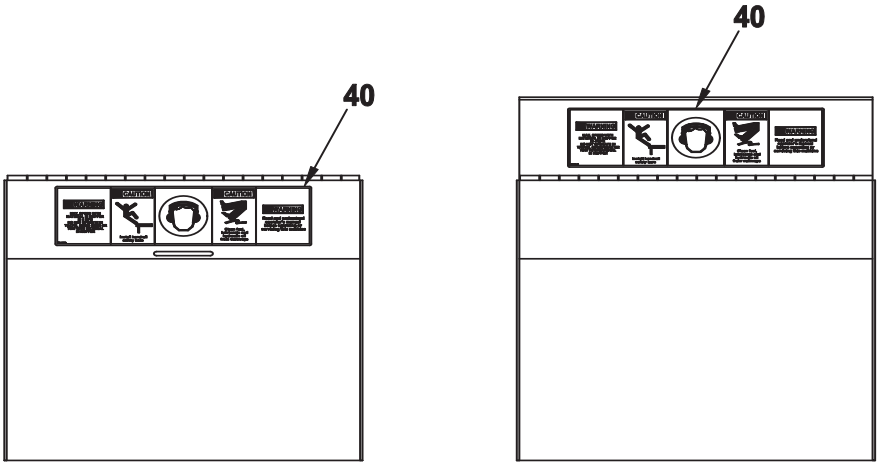


VENDOR NOTES:
-KIT TO BE ARRANGED SEQUENTIALLY BY ITEM NUMBER IN BILL
-INCLUDE (1) COPY OF THIS PRINT IN EACH KIT
-ITEMS 41 THRU 45 ARE NOT TO BE INCLUDED IN KIT

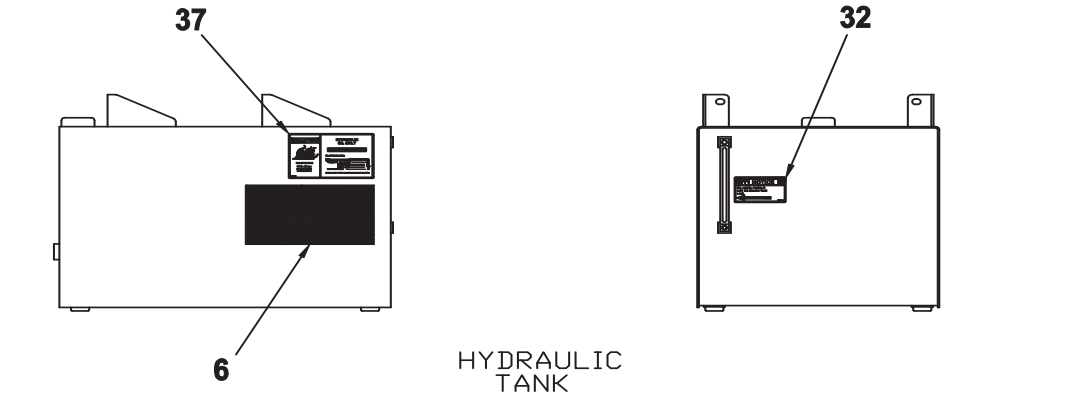
CHAIN TENSION DECAL (ITEM 34) PLACEMENT



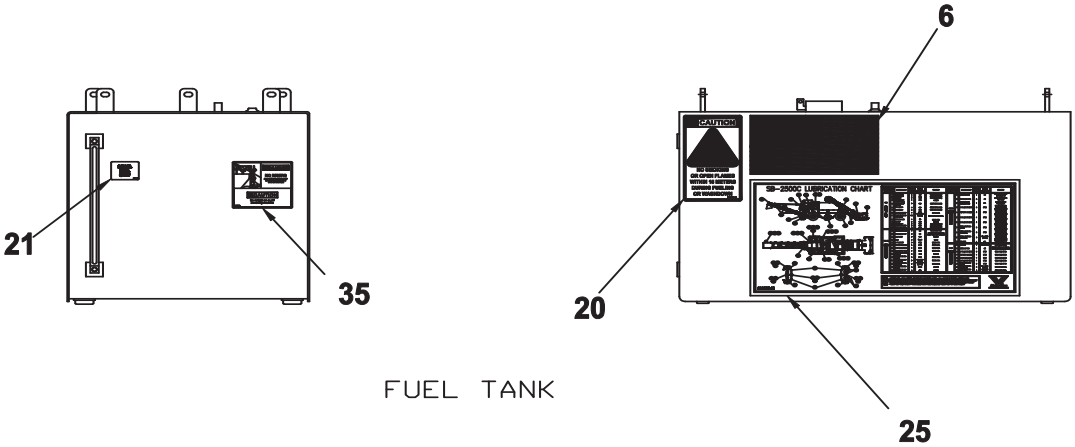
SB-2500D DECAL KIT
(217999-01)



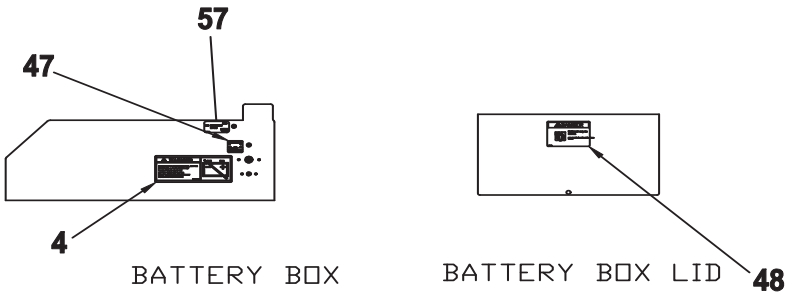
CENTER CONSOLE



HYDRAULIC TANK



FUEL TANK



BATTERY BOX

BATTERY BOX LID

SB-2500D DECAL KIT
(217999-01)

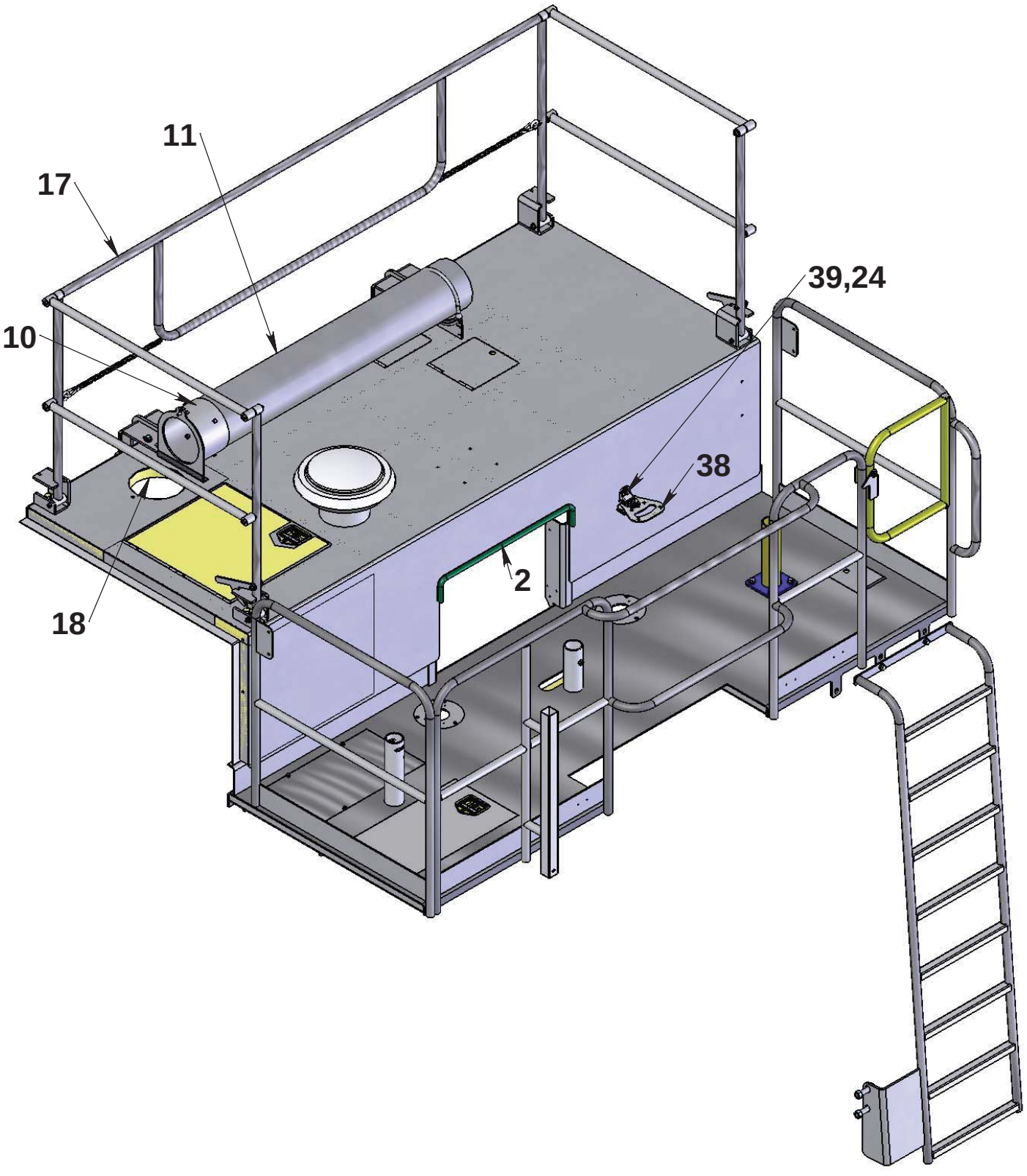
ITEM #	PART NO.	DESCRIPTION	QTY.
1	201236-02	DECAL - HAND PUMP INSTRUCTIONS	1
2	92819-04	DECAL - CONVEYOR ADJUSTMENTS	6
3	211258-04	DECAL - WARNING DISCHARGE AREA	2
4	141326-03	DECAL - BATTERY WARNING	1
5	211262-04	DECAL - WARNING DISCHARGE AREA	2
6	95906-03	DECAL - AMERICAN FLAG 8 1/4" X 15"	2
7	98575-02	DECAL - SHUTTLE BUGGY (BLUE)	2
8	211263-04	DECAL - PINCH POINT	7
9	211260-04	DANGER! CRUSH ZONE SET SAFETY SUPPORTS	4
10	211266-04	DECAL - DANGER! PINCH / CRUSH AREA	2
11	211256-04	DECAL - EAR PROTECTION	2
12	211259-04	DECAL - DANGER! PINCH / CRUSH AREA	2
13	131841-04	DECAL - CIRCLED BLUE "R" (3/4" HIGH)	2
14	216400-04	DECAL - SB-2500D (C-3 CONVEYOR SIDE)	2
15	131690-04	DECAL - PATENT PLATE	1
16	99535-04	DECAL - WASHDOWN	1
17	96088-04	DECAL - GREASE HERE (1" X 2")	32
18	89725-04	DECAL - WATER (REPL. 92725-04)	1
19			
20	211261-04	DECAL - CAUTION NO SMOKING	1
21	95885-04	DECAL - DIESEL FUEL ONLY	1
22	211274-04	DECAL - TOW TIE DOWN POINT	2
23	89716-04	DECAL - SLOW MOVING SAFETY	1
24	89715-04	DECAL - FUEL	1
25	216899-01	DECAL - SB-2500D LUBE CHART	1
26	211265-04	DECAL - DANGER! PINCH / CRUSH AREA	6
27	122129-04	DECAL - FIRE EXTINGUISHER	1
28	211255-04	DECAL - DO NOT USE CONV. AS LIFTING BOOM	2
29			
30	141104-04	DECAL - "R" 24" RED	2
31	141103-03	DECAL - BLUE STRIPE - 72" LG.	2
32	211257-03	DECAL - NOTICE OIL LEVEL	1
33	135910-04	DECAL - FXS TRADEMARK	2
34	201237-03	DECAL - CHAIN TENSION GUIDE	3
35	201474-03	DECAL - HYDRAULIC TANK	1
36	211301-04	DECAL - WARNING! CRUSH & TIRE PRESSURE	4
37	201476-03	DECAL - FUEL TANK	1
38	211264-04	DECAL - CAUTION! NO SMOKING	1
39	211268-04	DECAL - DANGER! ENTANGLEMENT HAZARD	3
40	211271-03	DECAL - CENTER CONSOLE	2
41	215849-01	DECAL - VALVE LABELS	1
42	201235-03	DECAL - VALVE LABELS	1
43	92870-04	DECAL - SERIAL NUMBER ID PLATE	1
44	129611	DECAL - BLACK & YELLOW CAUTION TAPE	REF
45	143063	DECAL - 1" YELLOW STRIPING	REF

SB-2500D DECAL KIT
(217999-01)

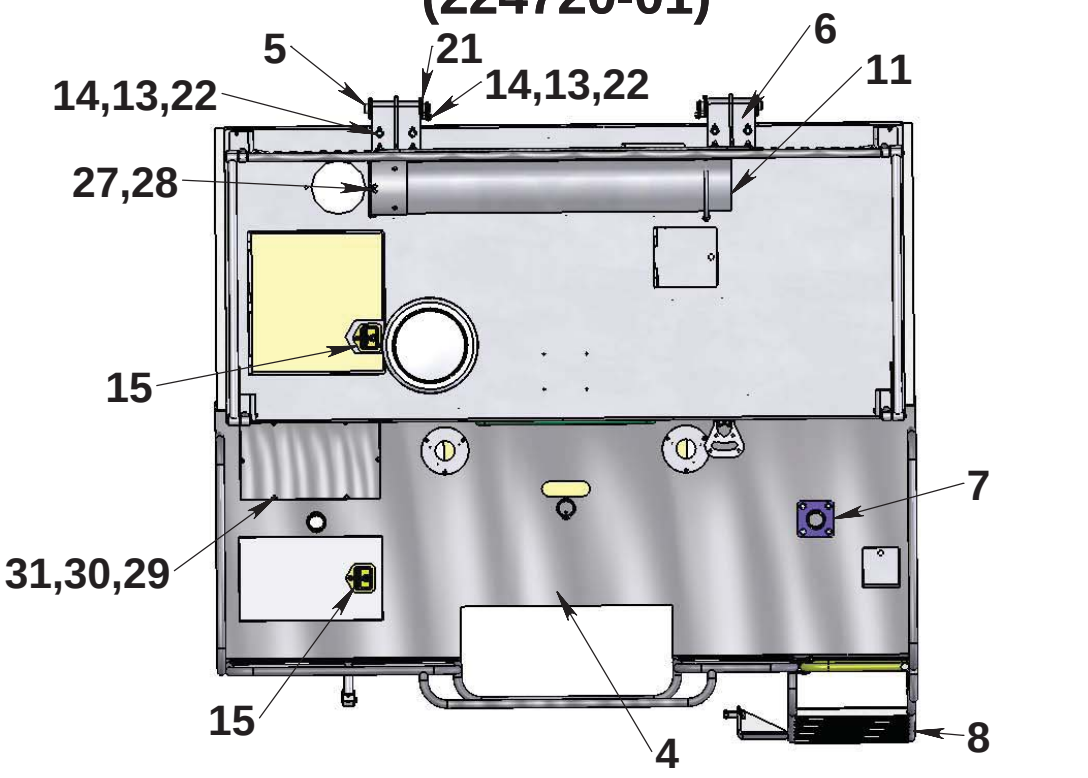
ITEM #	PART NO.	DESCRIPTION	QTY.
46	202078-04	DECAL - ON / OFF	1
47	205144-04	DECAL - GROUND CONNECTION ON / OFF	1
48	207966-04	DECAL - BATTERY LOCK OUT / TAG OUT	1
49			
50	211269-03	DECAL - SAFE TRAVEL GRADE	1
51	211270-04	DECAL - WARNING! BURN HAZARD	7
52	211348-03	DECAL - SAFE TRAVEL GRADE	1
53	211275-04	DECAL - TIE DOWN POINT	10
54	211276-04	DECAL - UNAUTHORIZED PERSONNEL - KEEP BACK	2
55			
56			
57	217996-04	DECAL - NO STARTING FLUID	2
58	144443-04	DECAL - C-3 CLEAN OUT DOOR	1

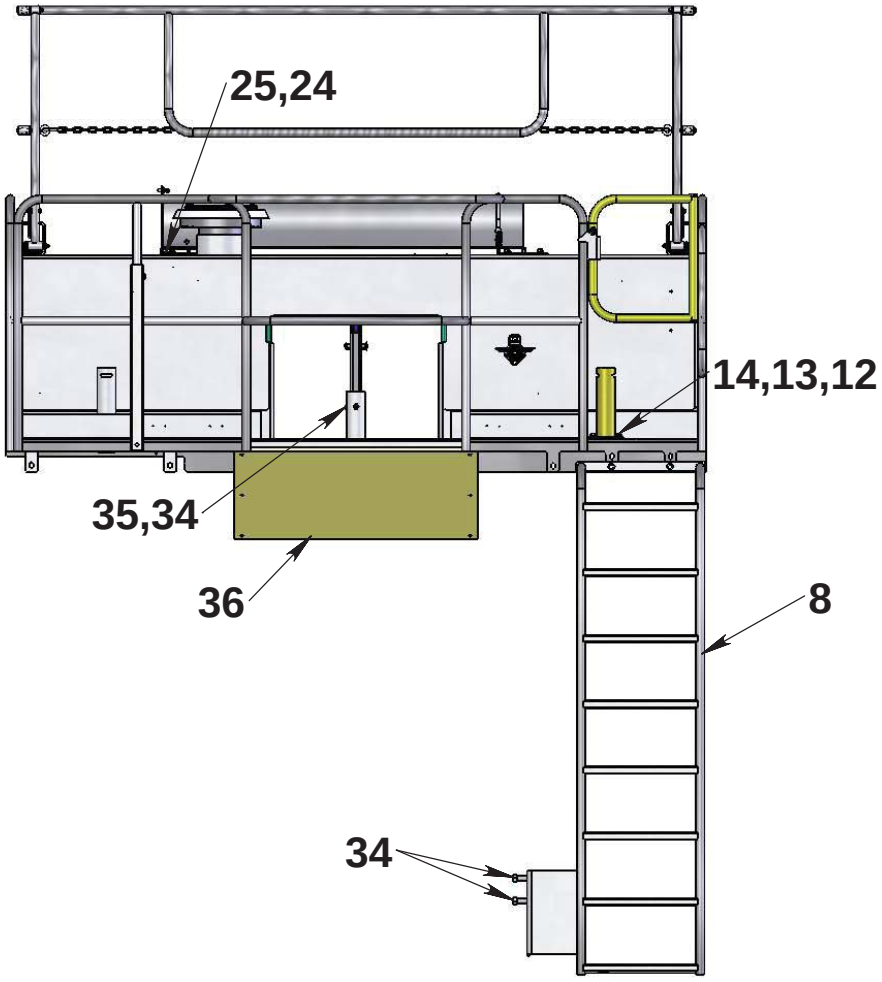
ASSEMBLY-PLATFORM & HOOD (224720-01)

NEXT PAGE



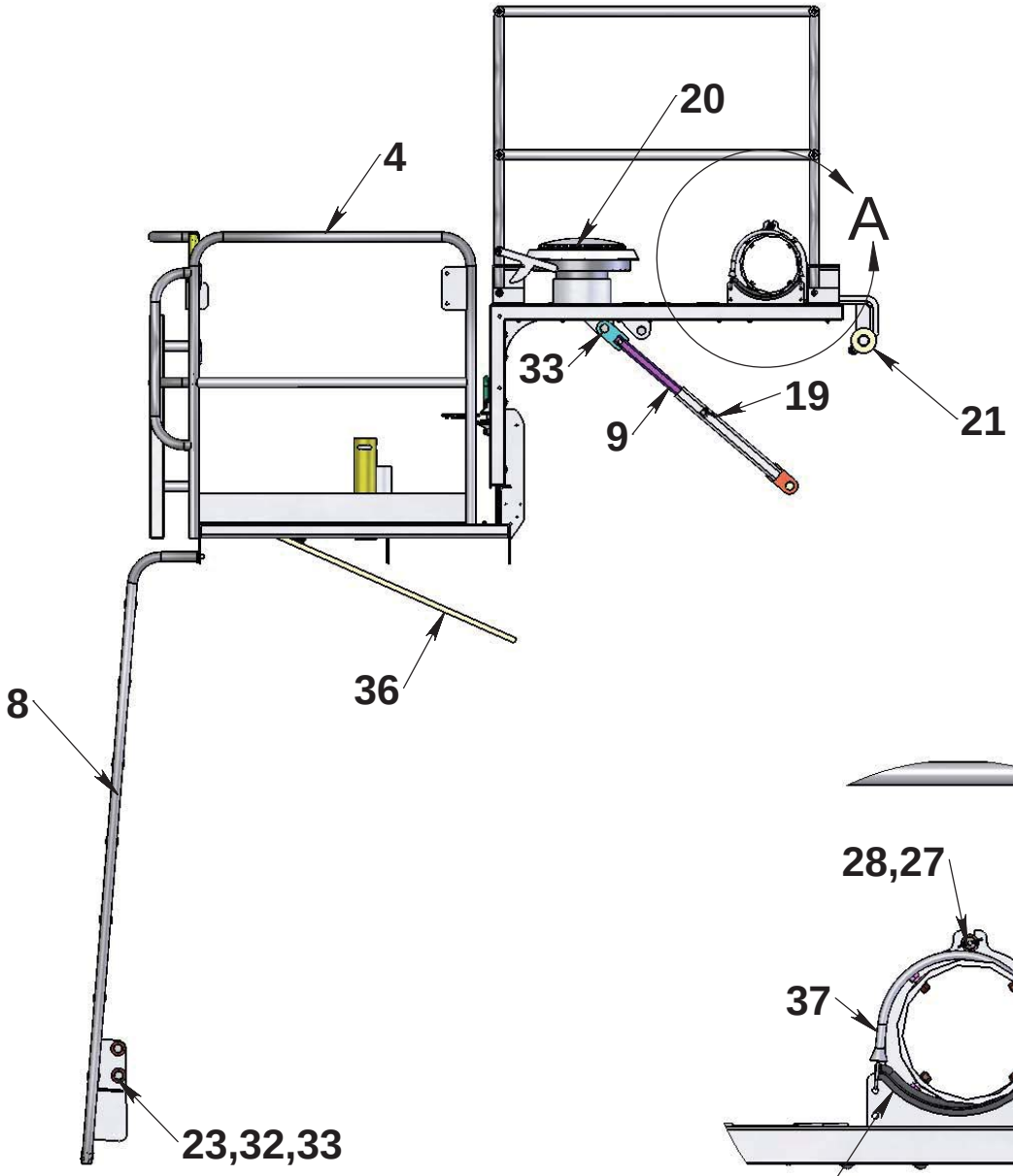
ASSEMBLY-PLATFORM & HOOD (224720-01)

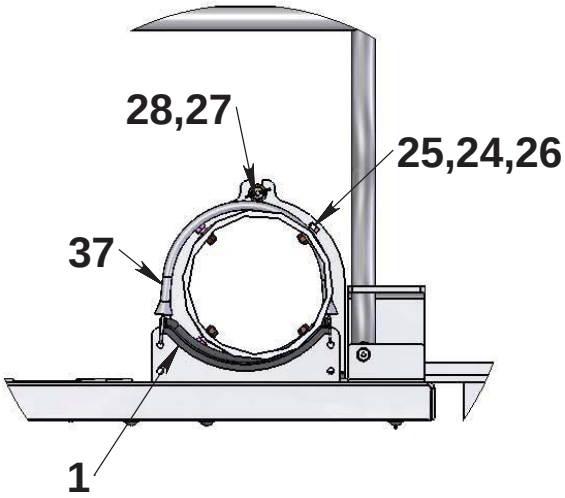




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ASSEMBLY-PLATFORM & HOOD
(224720-01)





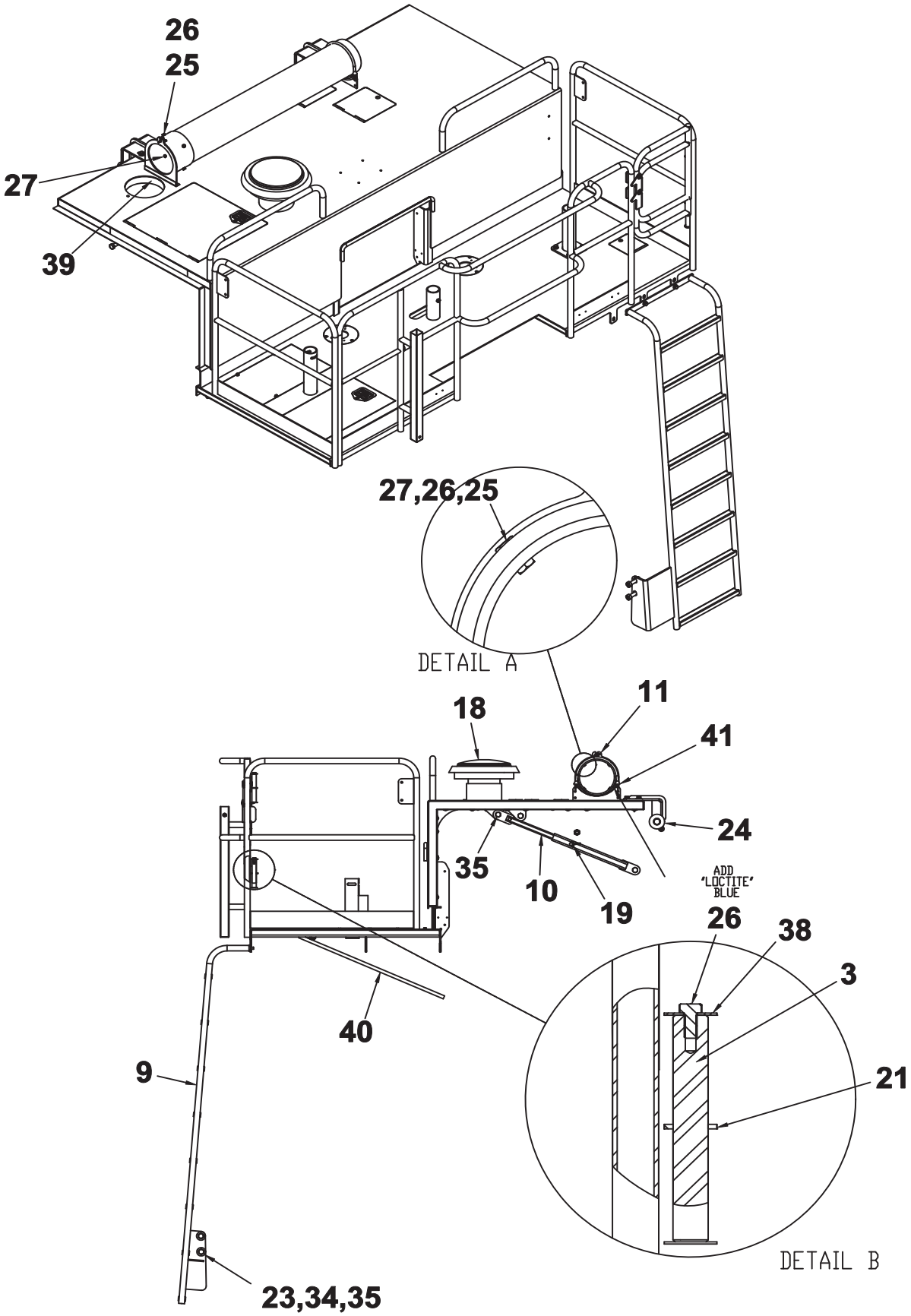
DETAIL A
SCALE 1 : 11

ASSEMBLY-PLATFORM & HOOD (224720-01)

ITEM #	PART #	DESCRIPTION	QTY
1	224720-01-1	MOLDING - 3/8" INTERLOCK TRIM X 18"	1
2	224720-01-2	TRIM - 3/4 BULB (1/4 SIDE MOUNT) X 40"	1
3	224745-01	WELDMENT-HOOD	1
4	222731-01	WELDMENT-PLATFORM	1
5	146491-04	WELDMENT-HOOD PIN	2
6	200186-03	HOOD HINGE WELDMENT	2
7	223735-01	WELDMENT ~ SEAT PEDESTAL	1
8	223728-01	WELDMENT-LADDER	1
9	203965-03	WELDMENT-HOOD PROP-SB-2500C	1
10	129130-02	FAN SHROUD VENT EXTENSION WELDMENT	1
11	129227-03	VENT PIPE	1
12	10D63	WASHER ~ 1/2" HARD A325	6
13	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	16
14	86164	BOLT * HEX 1/2"-13 X 1 1/4"	16
15	139779-04	FLUSH CUP T-HANDLE LATCH W/KEY (RH)	2
16	217030-01	ASSY-OPERATORS STATION	1
17	224025-01	ASSEMBLY-HOOD RAILS, FOLDING	1
18	224744-01	ASSEMBLY-HOOD INSULATIOIN KIT	1
19	205278-04	PIN * SAFETY SNAP 1/2-3	1
20	203088-03	ENGINE * 8" INLET HOOD	1
21	83032	WASHER * FLAT 1 1/2" N SERIES	8
22	83781-04	WASHER * FLAT 1/2" STEEL	10
23	83133	WASHER * FLAT 3/4" STEEL	2
24	83056	WASHER ~ LOCK 3/8 SPRING STEEL	9
25	84332	BOLT * HEX 3/8"-16 X 1"	7
26	83055	NUT * 3/8-16 HEX GRADE 8	4
27	83757	WASHER ~ FLAT 3/8 STEEL	1
28	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	1
29	84444	WASHER * FLAT 1/4" STEEL	6
30	83065	WASHER ~ LOCK 1/4" SPRING STEEL	6
31	89988-04	BOLT * HEX 1/4"-20 X 3/4"	6
32	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	2
33	89151	BOLT * HEX 3/4"-10 X 3"	4
34	88164	NUT ~ 3/4"-10 LOCK GRADE 8	5
35	93723	BOLT ~ HEX 3/4"-10 x 2 1/2"	1
36	223717-04	INSULATION KIT * PLATFORM	1
37	211249-04	CORD * SHOCK CORD	1
38	224761-03	MODIFICATION - STEP * FOLDING	1
39	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2

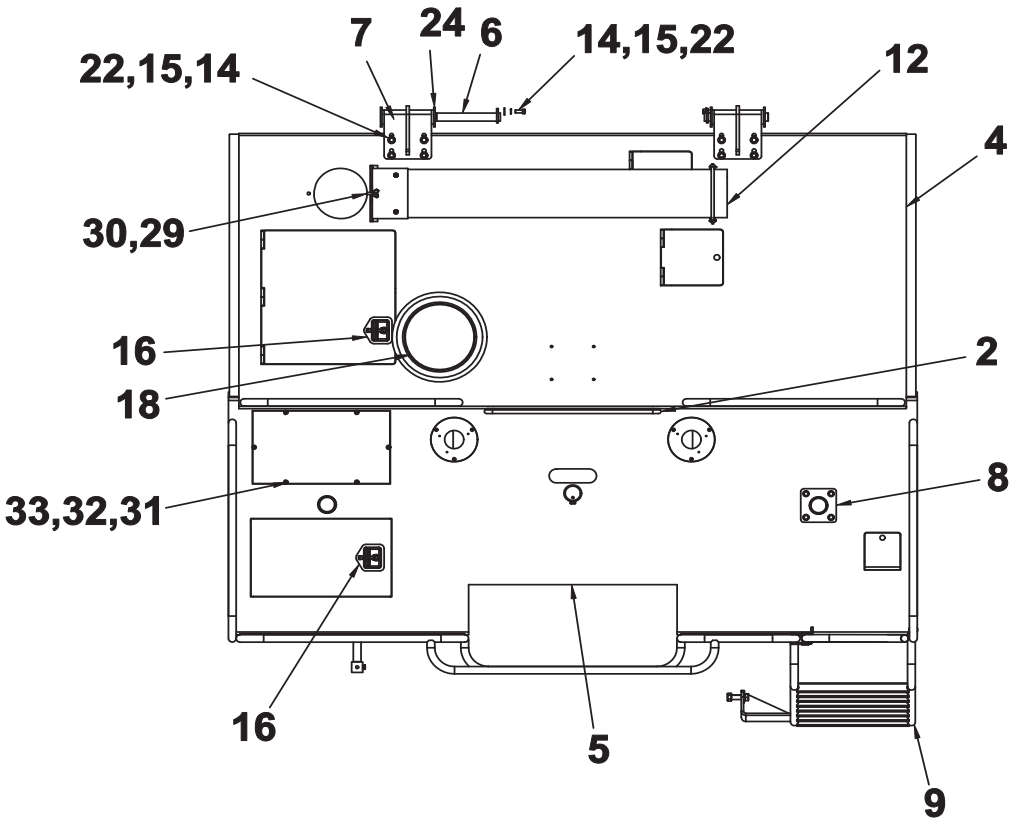
PLATFORM & HOOD ASSEMBLY
(223715-01)

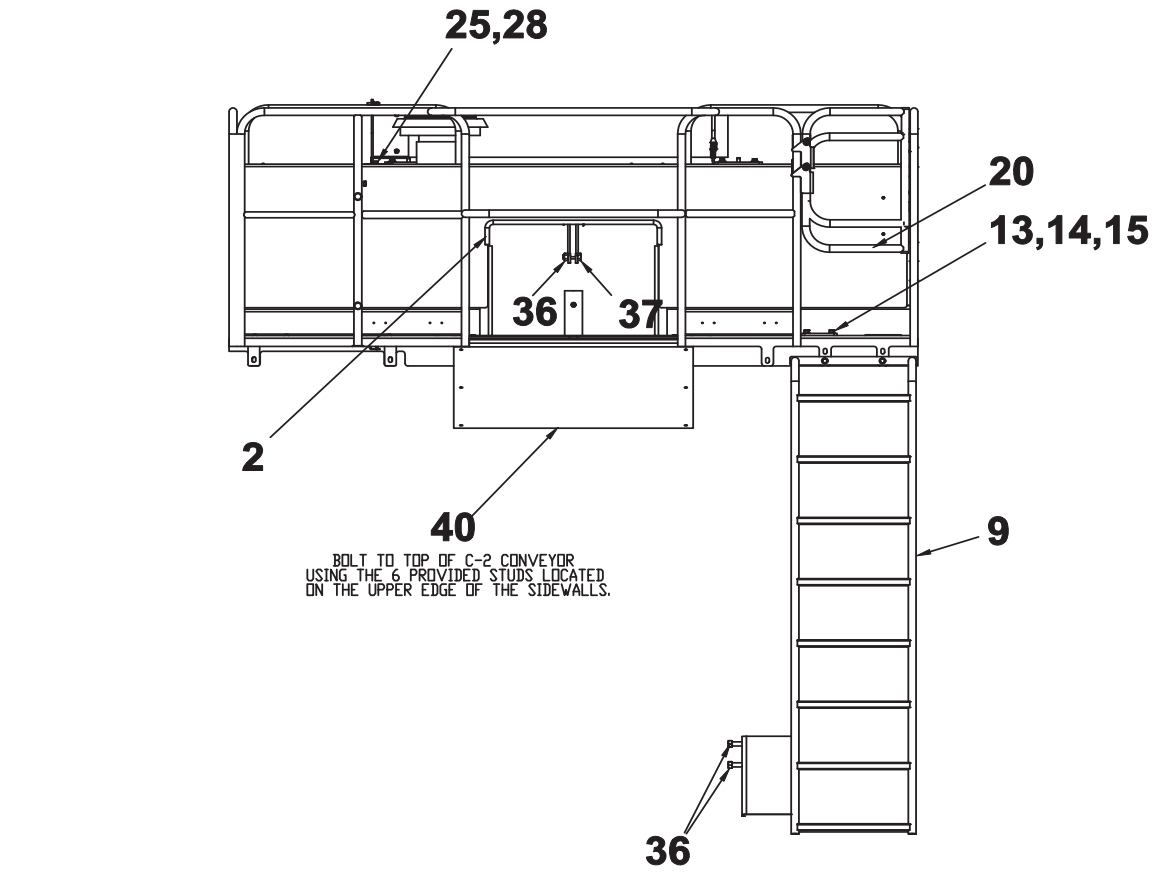
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PLATFORM & HOOD ASSEMBLY
(223715-01)

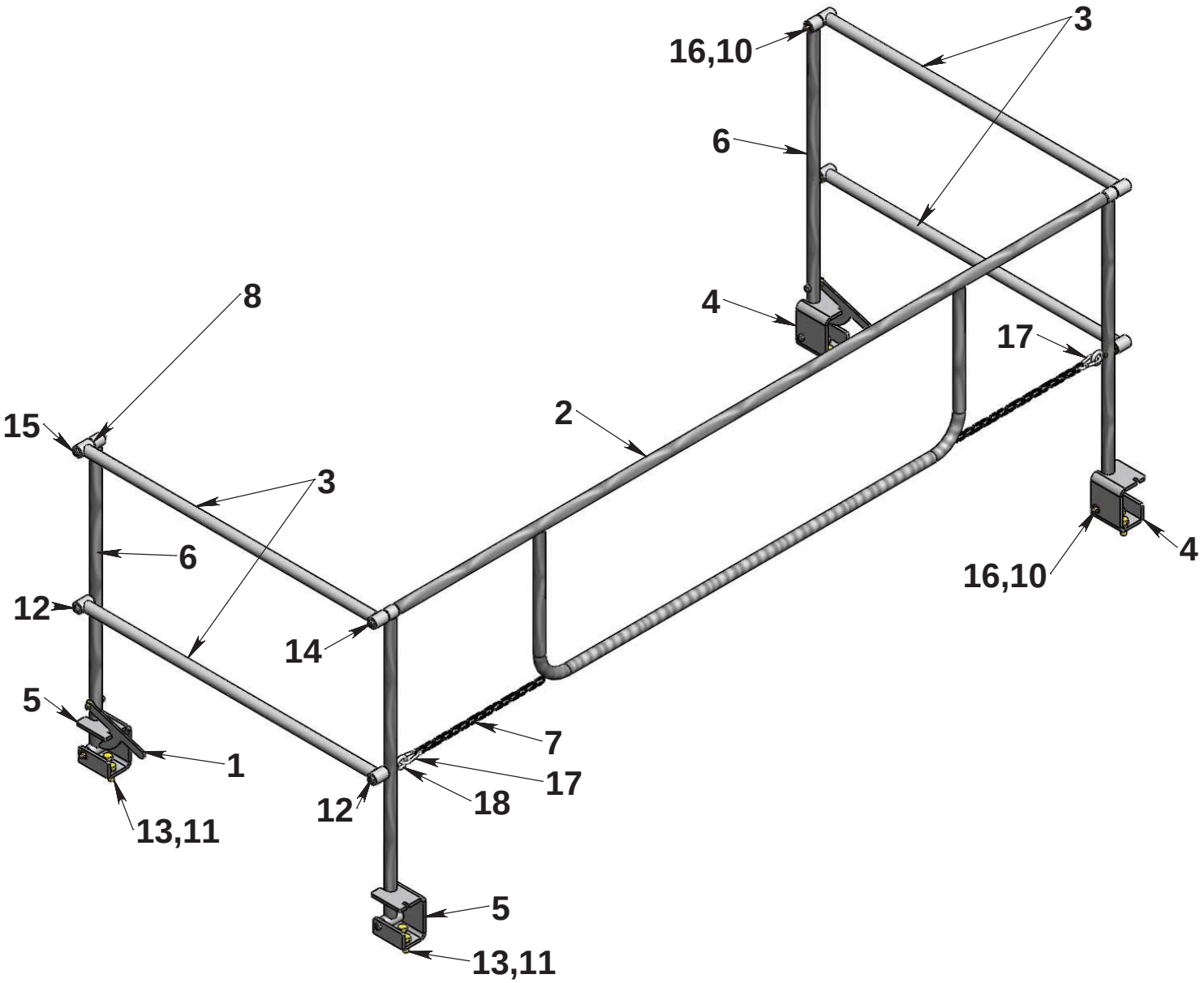




PLATFORM & HOOD ASSEMBLY
(223715-01)

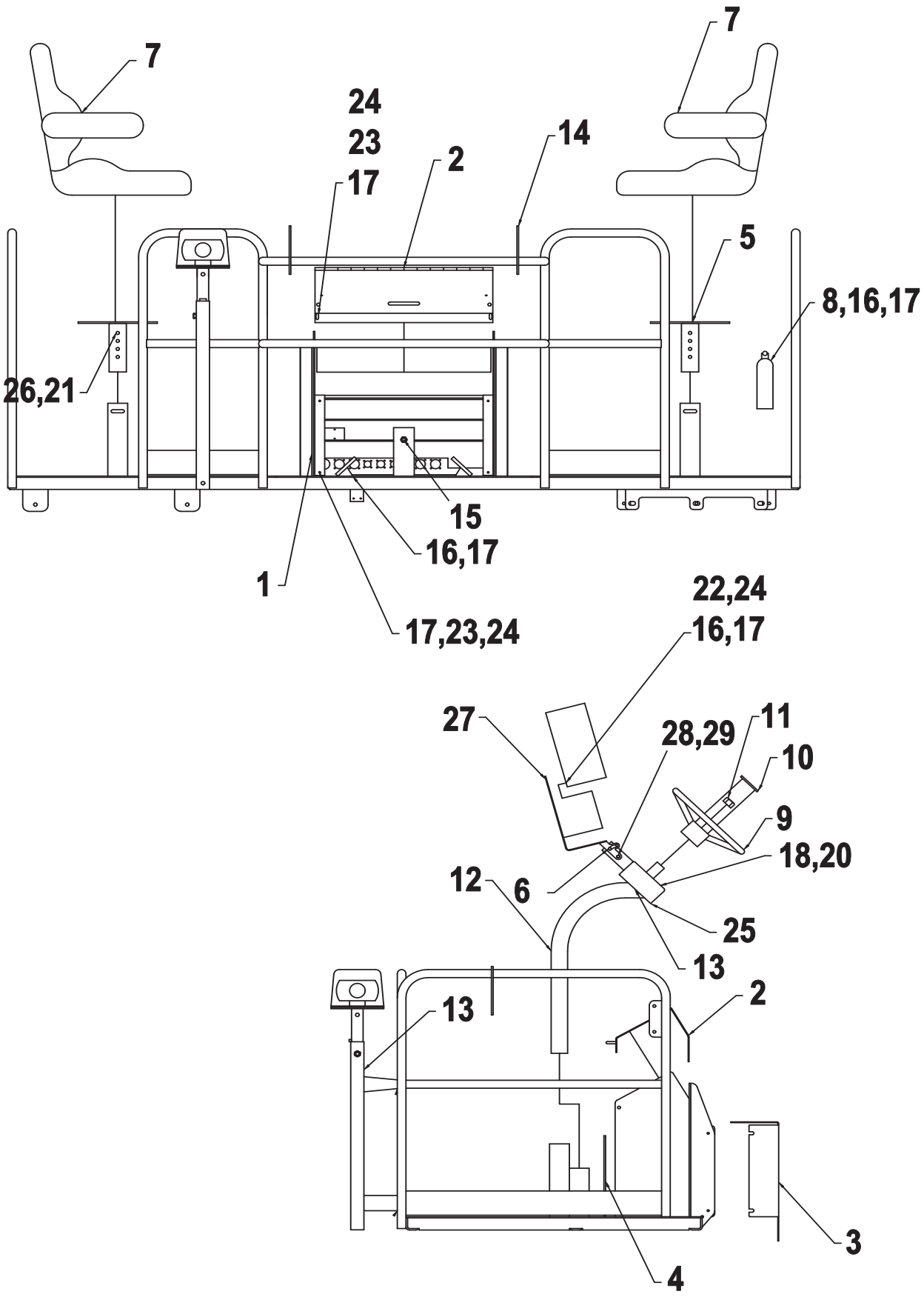
ITEM #	PART NO.	DESCRIPTION	QTY.
1	223715-01-1	MOLDING - 3/8" INTERLOCK TRIM X 18"	1
2	223715-01-2	TRIM - 3/4 BULB (1/4 SIDE MOUNT) X 40"	1
3	223778-03	WELDMENT - HINGE PIN	2
4	222732-01	WELDMENT - HOOD	1
5	222731-01	WELDMENT - PLATFORM	1
6	146491-04	WELDMENT - HOOD PIN	2
7	200186-03	WELDMENT - HOOD HINGE	2
8	223735-01	WELDMENT - SEAT PEDESTAL	1
9	223728-01	WELDMENT - LADDER	1
10	203965-03	WELDMENT - HOOD PROP SB-2500C	1
11	129130-02	FAN SHROUD VENT EXTENSION WELDMENT	1
12	129227-03	VENT PIPE	1
13	10D63	WASHER - 1/2" HARD A325	6
14	83317	WASHER - LOCK 1/2" SPRING STEEL GR8	16
15	86164	BOLT - HEX 1/2" - 13 X 1 1/4"	16
16	139779-04	FLUSH CUP T-HANDLE LATCH W/KEY (RH)	2
17	217030-01	ASSY - OPERATORS STATION	1
18	203088-03	ENGINE - 8" INLET HOOD	1
19	205278-04	PIN - SAFETY SNAP 1/2 - 3	1
20	223283-01	WELDMENT - SWING GATE	1
21	124195	BUSHING - 1" X 1 1/2" 10 GA. MACHINE	2
22	83781-04	WASHER - FLAT 1/2" STEEL	10
23	83133	WASHER - FLAT 3/4" STEEL	2
24	83032	WASHER - FLAT 1 1/2" N SERIES	4
25	83056	WASHER - LOCK 3/8 SPRING STEEL	7
26	86127-04	BOLT - HEX 3/8" - 16 X 3/4"	6
27	83055	NUT - 3/8 - 16 HEX GR8	4
28	84332	BOLT - HEX 3/8" - 16 X 1"	3
29	83757	WASHER - FLAT 3/8 STEEL	1
30	89987-04	BOLT - WING 3/8" - 16 X 1" GR8	1
31	84444	WASHER - FLAT 1/4" STEEL	6
32	83065	WASHER - LOCK 1/4" SPRING STEEL	6
33	89988-04	BOLT - HEX 1/4" - 20 X 3/4"	6
34	83752-04	WASHER - LOCK 3/4" SPRING STEEL	2
35	89151	BOLT - HEX 3/4" - 10 X 3"	4
36	88164	NUT - 3/4" - 10 LOCK GR8	6
37	93723	BOLT - HEX 3/4" - 10 X 2 1/2"	2
38	97113	WASHER - 3/8" ID. X 1 1/2" OD FENDER	2
39	223716-01	ASSEMBLY - HOOD INSULATION KIT	1
40	223717-04	INSULATION KIT - PLATFORM	1
41	211249-04	CORD - SHOCK CORD	1

ASSEMBLY-HOOD RAILS, FOLDING
(224025-01)



ITEM #	PART #	DESCRIPTION	QTY
1	224025-01-1	PLATE, 1/4 x 9 x 4 1/4, A36	2
2	224026-01	WELDMENT-HOOD RAIL, FRONT	1
3	224027-01	WELDMENT-HOOD RAIL, TOP & MID	4
4	224031-03	DETAIL-HOOD RAIL MOUNT, LEFT	2
5	224032-03	DETAIL-HOOD RAIL MOUNT, REAR LEFT	2
6	224028-01	WELDMENT-HOOD RAIL, REAR	2
7	127750	CHAIN * 1/4" COIL PROOF	32
8	83781-04	WASHER * FLAT 1/2" STEEL	18
9	223281-04	BOLT * SHOULDER 1/2 X 1 1/2, 3/8-16 TH	2
10	92235	NUT ~ 3/8"-16 LOCK GRADE 8	8
11	84717	WASHER ~ LOCK 5/8" SPRING STEEL	8
12	142342	BOLT * SHOULDER 3/8-16 X 1/2 X 2	4
13	84778	HEX BOLT * 5/8-11 X 1 1/2 LG	8
14	140077	SHOULDER BOLT * 1/2 X 2 1/2 W/3/8TH	2
15	224261-04	SHOULDER BOLT * 1/2 X 3 1/2 W/3/8TH	6
16	83757	WASHER ~ FLAT 3/8 STEEL	6
17	218214-04	3/8 DIA. SPRING SNAP HOOK	2
18	211382-04	BOLT * EYE 3/8"	2

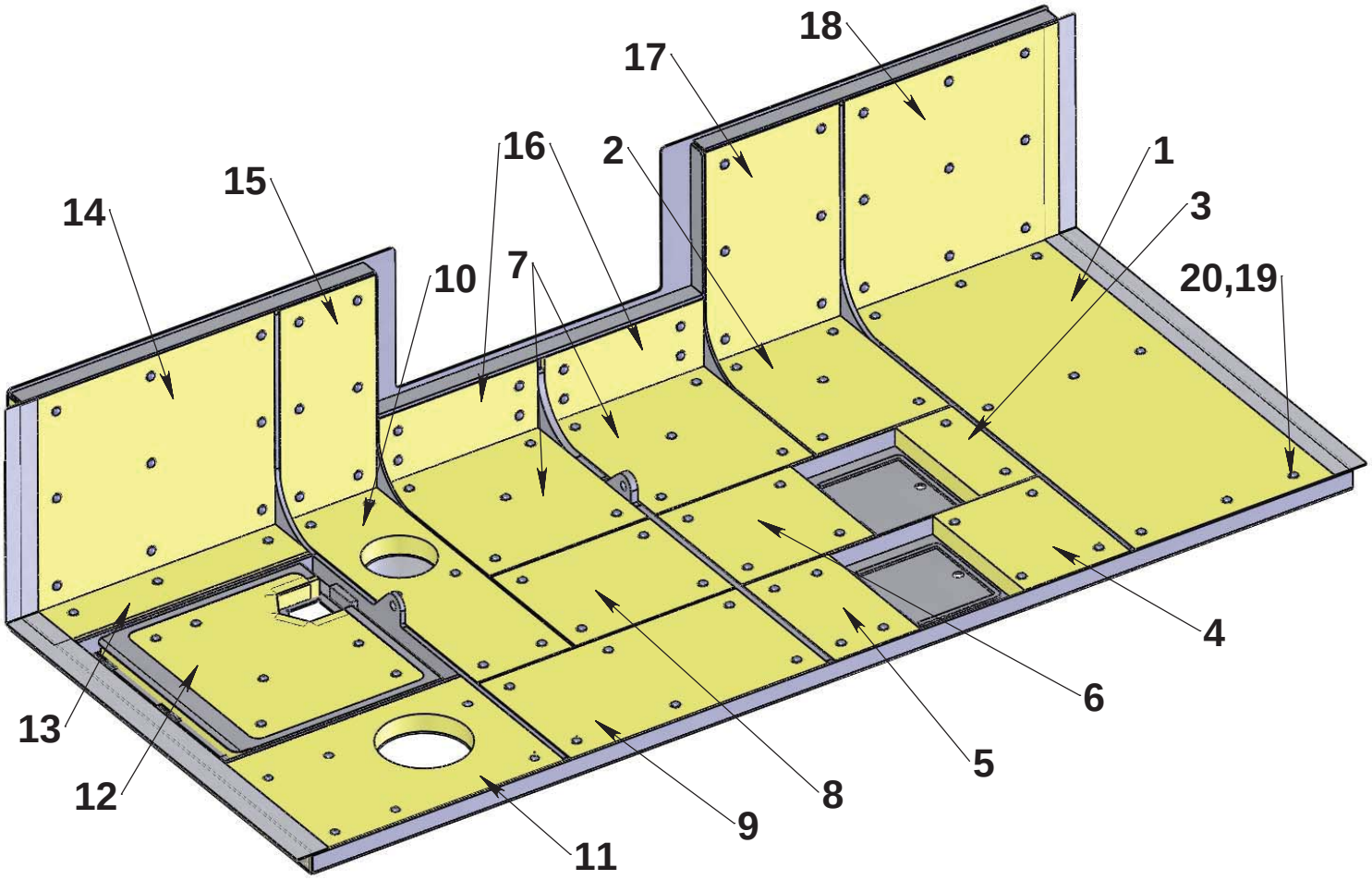
OPERATOR'S STATION ASSEMBLY
(217030-01)



OPERATORS STATION ASSEMBLY (217030-01)

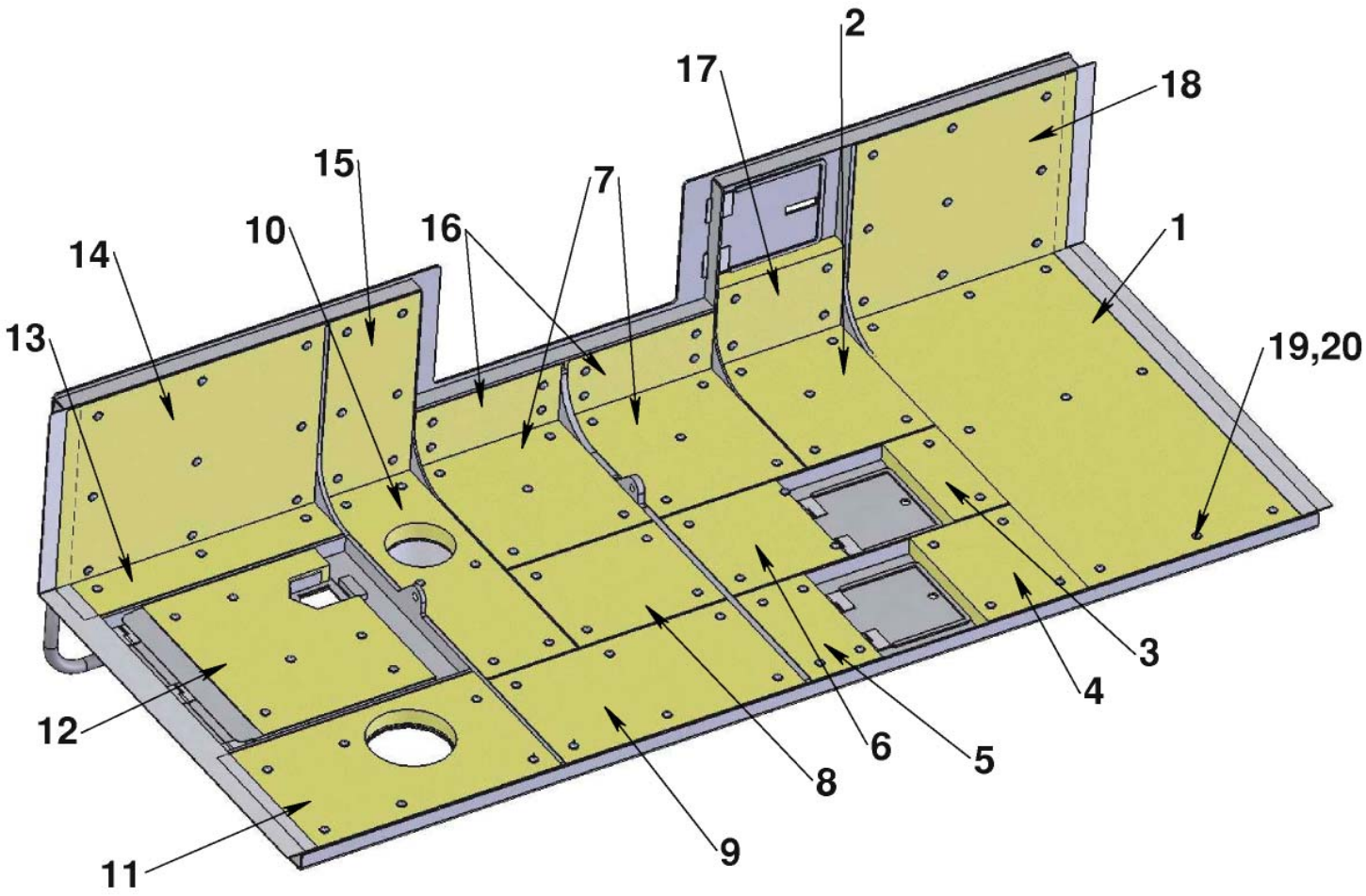
ITEM #	PART NO.	DESCRIPTION	QTY.
1	99386	UNIVERSAL UMBRELLA BRACKET	1
2	146496-01	VANDAL COVER	1
3	217022-03	REAR CONSOLE COVER	1
4	203310-03	CENTER CONSOLE FRONT COVER	1
5	128095-02	SEAT BASE	2
6	89987-04	WING BOLT - 3/8-16 X 1"	2
7	27X58	SEAT - INCLUDE ARM RESTS (WHITE)	2
8	99583	FIRE EXTINGUISHER	1
9	143111-01	14" STEERING WHEEL	1
10	143112-03	CAP - 14" STEERING WHEEL	1
11	89045	NUT - STEERING WHEEL	1
12	200185-01	OPERATORS CONSOLE	1
13	146567-03	OPERATORS CONSOLE COVER 2 PC	1
14	202080-01	MIRROR	1
15	122081-04	HANDLE - CLAMPING (1/2-13 THREADS)	1
16	89773	HEX BOLT - 1/4-20 X 1 GR8	12
17	83065	LOCK WASHER - 1/4 SPRING STEEL	24
18	84332	HEX BOLT - 3/8-16 X 1 GR8	8
19	83056	LOCK WASHER -3/8 SPRING STEEL	4
20	83757	FLAT WASHER - 3/8 STEEL	8
21	84431-04	HEX BOLT - 1/2-13 X 4 GR8	2
22	89772	HEX NUT - 1/4-20 GR8	6
23	89988-04	HEX BOLT - 1/4-20 X 3/4 GR8	10
24	84444	FLAT WASHER - 1/4 STEEL	7
25	133842	SELF TAPPING SCREW - 1/4 X 3/4	22
26	139741-04	LOCK HEX NUT - 1/2-13 GR8	2
27	146568-02	OPERATORS CONTROL BOX	1
28	121200	HEX BOLT - 3/8-16 X 3 GR8	1
29	92235	LOCK HEX NUT - 3/8-16 GR8	1

ASSEMBLY- HOOD INSULATION KIT (224744-01)



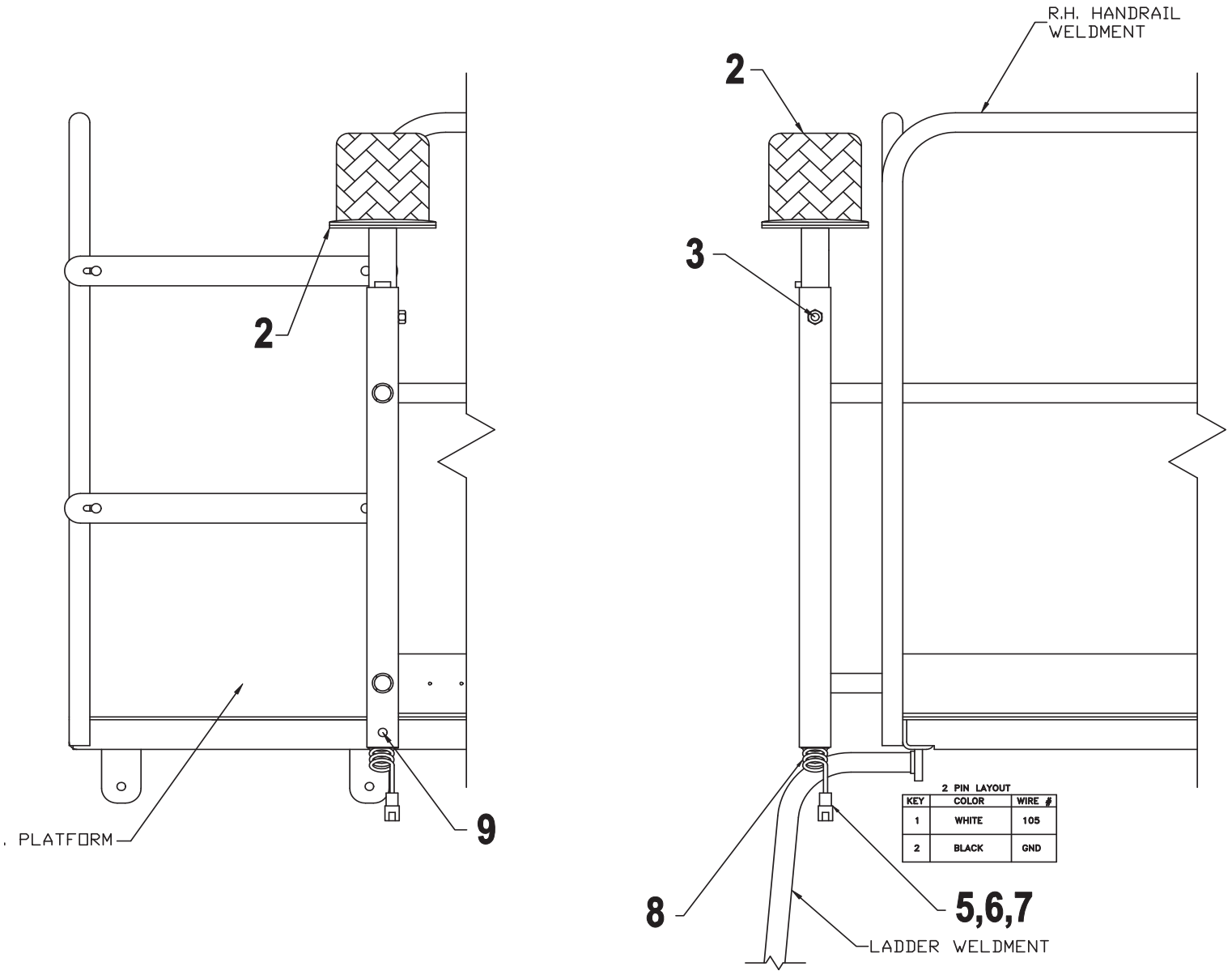
ITEM #	PART #	DESCRIPTION	QTY
1	224744-01-1	INSULATION 2" X 23 1/4" X 48 5/8"	1
2	224744-01-2	INSULATION 2" X 14 9/16" X 19 9/16"	1
3	224744-01-3	INSULATION 2" X 6 3/16" X 13 11/16"	1
4	224744-01-4	INSULATION 2" X 11 1/2" X 14 7/8"	1
5	224744-01-5	INSULATION 2" X 9 1/4" X 14 7/8"	1
6	224744-01-6	INSULATION 2" X 14 1/2" X 13 11/16"	1
7	224744-01-7	INSULATION 2" X 17 1/4" X 19 9/16"	2
8	224744-01-8	INSULATION 2" X 13 11/16" X 17 1/4"	1
9	224744-01-9	INSULATION 2" X 14 7/8" X 27 15/16"	1
10	224744-01-10	INSULATION 2" X 10 7/16" X 33 1/2"	1
11	224744-01-11	INSULATION 2" X 16 11/16" X 27 5/8"	1
12	224744-01-12	INSULATION 2" X 21 3/4" X 23"	1
13	224744-01-13	INSULATION 2" X 7 5/16" X 27 5/8"	1
14	224744-01-14	INSULATION 2" X 22 7/8" X 27 5/8"	1
15	224744-01-15	INSULATION 2" X 22 7/8" X 10 7/16"	1
16	224744-01-16	INSULATION 2" X 7 1/4" X 17 1/4"	2
17	224744-01-17	INSULATION 2" X 22 7/8" X 14 9/16"	1
18	224744-01-18	INSULATION 2" X 22 7/8" X 23 1/4"	1
19	136660	WELD PIN ~ DOME CAPS 12 GA.	107
20	136659	R100 12GA.SPEED CLIPS MS.{GALV.}	107
21	L224744-01	OUTSIDE LABOR * INSULATION KIT	1

ASSEMBLY- HOOD INSULATION KIT
(217874-01)



ITEM #	PART #	DESCRIPTION	QTY
1	217874-01-1	INSULATION 2" X 25 1/4" X 48 5/8"	1
2	217874-01-2	INSULATION 2" X 14 9/16" X 19 9/16"	1
3	217874-01-3	INSULATION 2" X 6 3/16" X 13 11/16"	1
4	217874-01-4	INSULATION 2" X 11 1/2" X 14 7/8"	1
5	217874-01-5	INSULATION 2" X 8" X 14 7/8"	1
6	217874-01-6	INSULATION 2" X 13 1/4" X 13 11/16"	1
7	217874-01-7	INSULATION 2" X 16 3/4" X 19 9/16"	2
8	217874-01-8	INSULATION 2" X 13 11/16" X 16 3/4"	1
9	217874-01-9	INSULATION 2" X 14 7/8" X 27 7/16"	1
10	217874-01-10	INSULATION 2" X 10 7/16" X 33 1/2"	1
11	217874-01-11	INSULATION 2" X 16 11/16" X 29 3/8"	1
12	217874-01-12	INSULATION 2" X 19 3/4" X 23"	1
13	217874-01-13	INSULATION 2" X 7 5/16" X 29 5/8"	1
14	217874-01-14	INSULATION 2" X 22 7/8" X 29 5/8"	1
15	217874-01-15	INSULATION 2" X 22 7/8" X 10 7/16"	1
16	217874-01-16	INSULATION 2" X 7 1/4" X 16 3/4"	2
17	217874-01-17	INSULATION 2" X 10" X 14 9/16"	1
18	217874-01-18	INSULATION 2" X 22 7/8" X 25 1/4"	1
19	136659	R100 12GA.SPEED CLIPS MS.{GALV.}	105
20	136660	WELD PIN ~ DOME CAPS 12 GA.	105
21	L217874-01	OUTSIDE LABOR * INSULATION KIT	1

SB-2500D STROBE LIGHT ASSEMBLY
(214370-01)

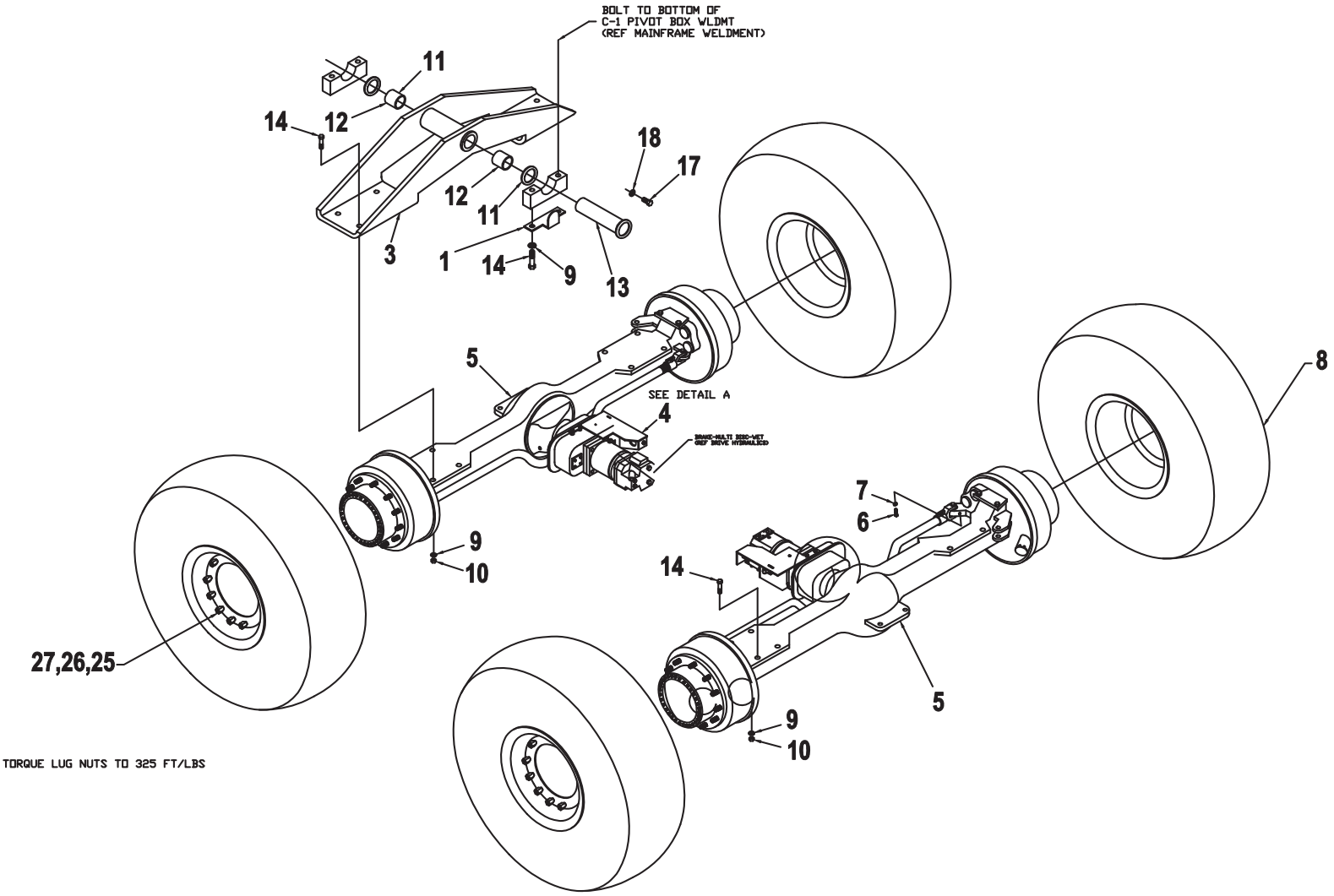


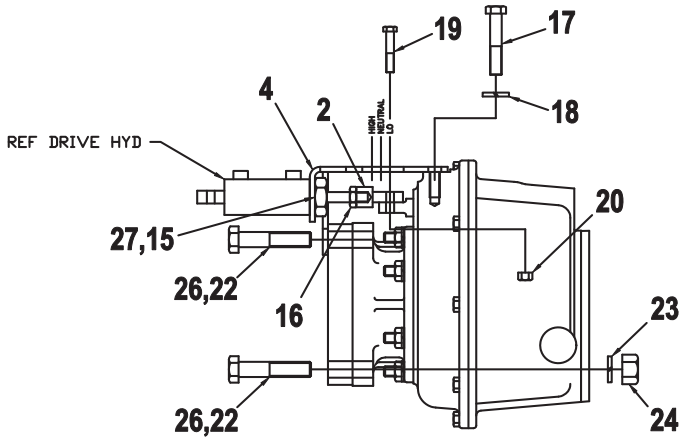
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	209506-01	STROBE MOUNT WLDMT.	1
2	204123-04	LIGHT - 80 / MIN 12V STROBE	1
3	135982-04	WING BOLT - 1/2-13	1
4	20K32	CLAMP - 1/4" WIRE LOOM	1
5	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
6	137176-04	DEUTSCH 16 AWG PINS	2
7	206401-04	DEUTSCH SECONDARY LOCK	1
8	98237-04	CABLE - RETRACTABLE CORD	1/2
9	87318-04	RUBBER - 1/2" GROMMET	1

SECTION 3 : AXLE & DRIVE

ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	225691-01	1014 & UP	3.1
FRONT & REAR AXLE	221206-01	922-1013	3.3
DRIVE AXLE	217949-04		3.5

SB-2500D FRONT & REAR AXLES
(225691-01)



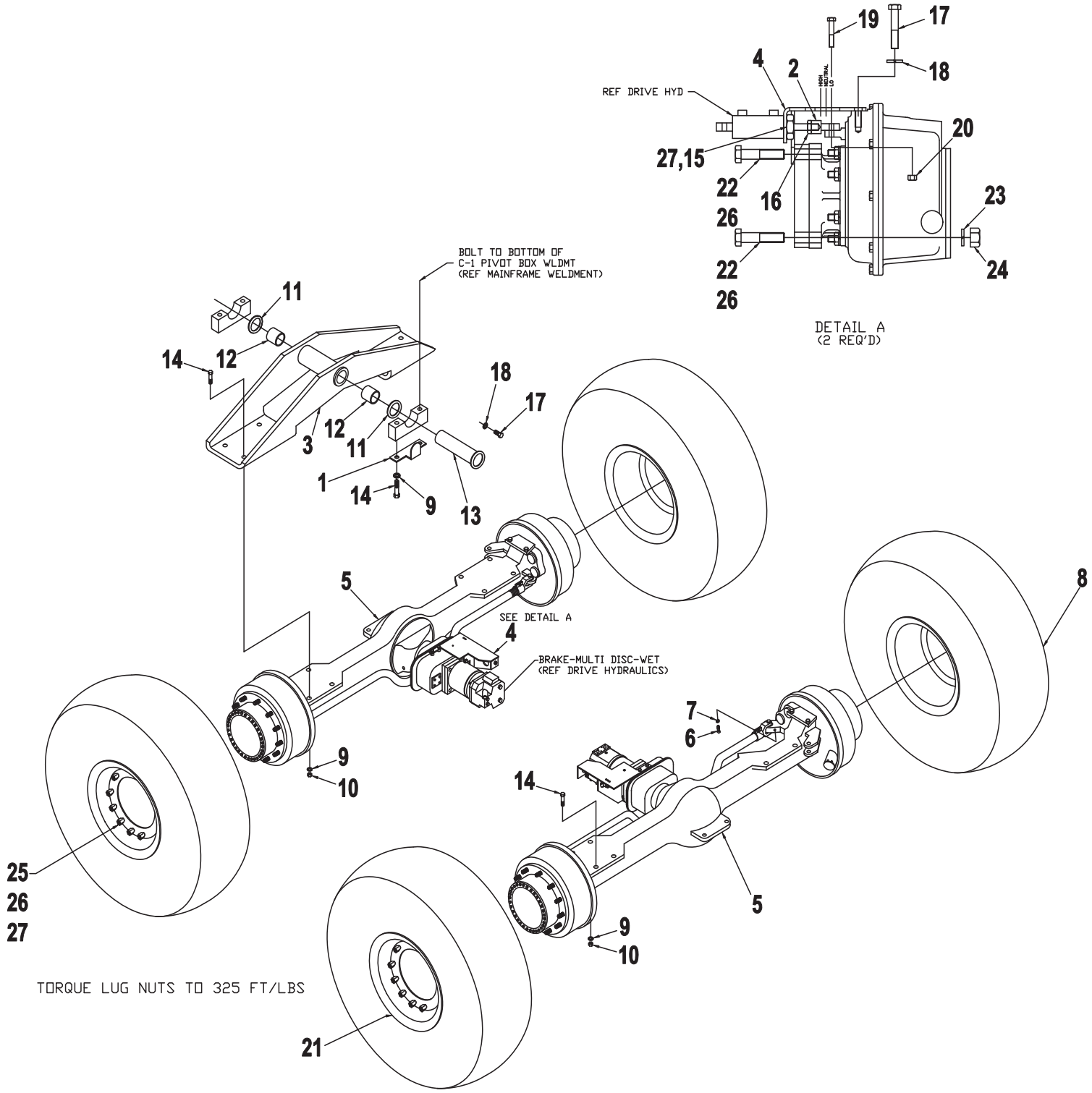


DETAIL A

SB-2500D FRONT & REAR AXLES
(225691-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	147427-03	PIVOT PIN RETAINER	1
2	130488-03	LINKAGE PIVOT	2
3	201142-01	AXLE TRUNION WELDMENT	1
4	147494-01	SPEED SHIFT BRACKET WELDMENT	2
5	217949-04	ASSEMBLY - AXLE FRONT & REAR	2
6	130422	SCREW - 26 MM X 124 MM SET	REF
7	130422-C1	NUT - 7/8 - 14 JAM	REF
8	223285-04	WHEEL - TIRE & RIM ASSEMBLY	4
9	83427	WASHER - 1" LOCK (SPRING STEEL)	20
10	98453	NUT - 1 - 8 HEX GR.8	16
11	214527-04	SPACER - PLASTIC	2
12	29M85	BUSHING - DURALON	2
13	149999-03	FRONT AXLE TRUNION PIN WELDMENT	1
14	99359	BOLT - 1-8 X 5 HEX GR.8	20
15	147515-04	NUT - 1-14 JAM GR.8	2
16	130541	NUT - 1/2 - 20 JAM GR.8	2
17	84778	BOLT - 5/8 - 11 X 1 1/2 HEX	4
18	84717	WASHER - 5/8 LOCK (SPRING STEEL)	4
19	83924	BOLT - 3/8 - 16 X 1 1/2 HEX GR.8	2
20	92235	NUT - 3/8 - 16 LOCK GR.8	2
21	200190-04	AXLE PIVOT BLOCK	REF
22	141568	SCREW - 3/4 - 10 X 3 1/2 LG. S.H.C.S.	8
23	83752-04	WASHER - 3/4 LOCK (SPRING STEEL)	8
24	84071-04	NUT - 3/4 - 10 HEX GR.8	8
25	93211	NUT - 3/4 - 16 HEX GR.8	48
26	95937	WASHER - 3/4 HARD	56
27	88960	FLUID - LOCKTITE NO. 242	25

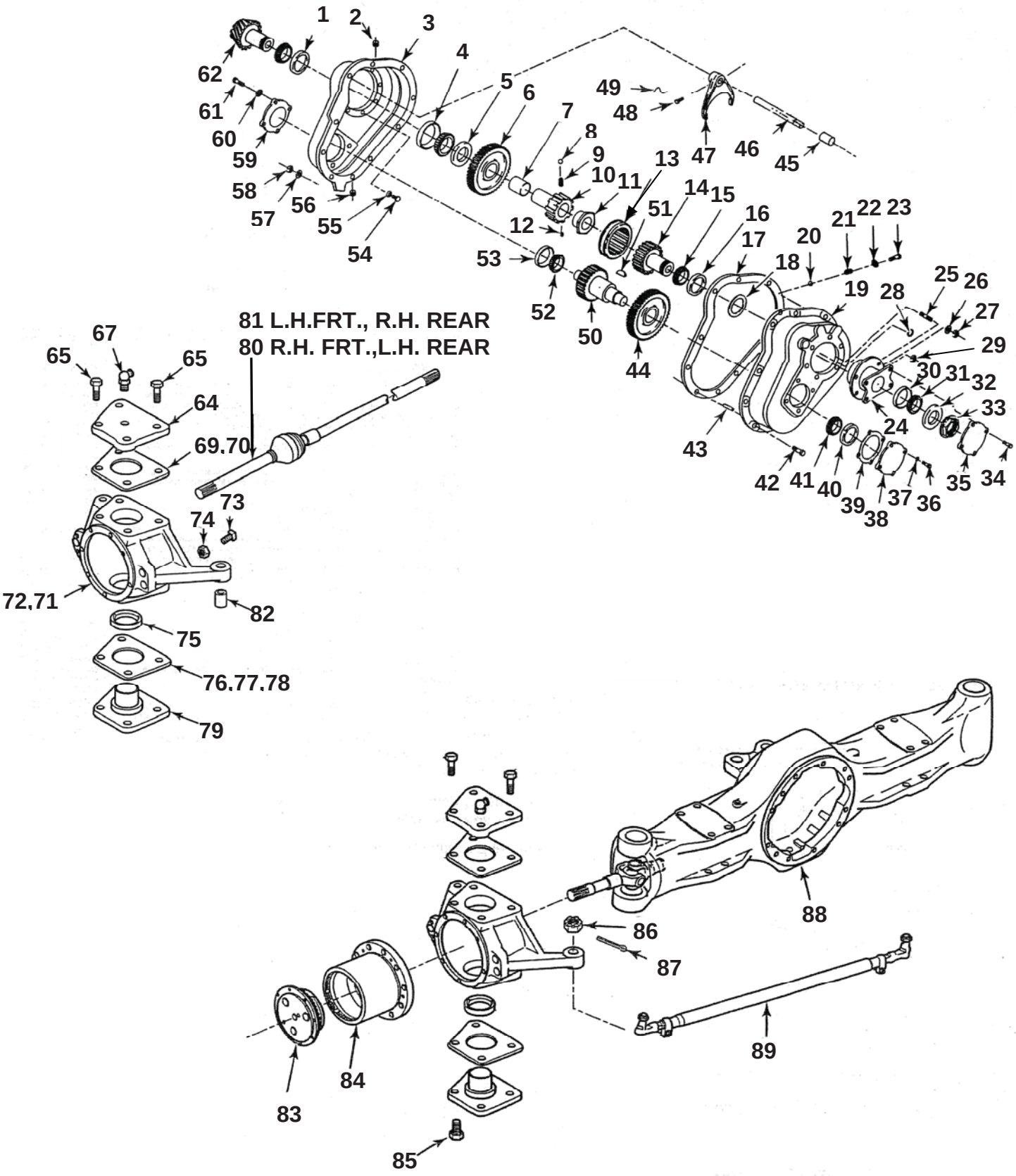
SB-2500D FRONT & REAR AXLES
(221206-01)



FRONT & REAR AXLE ASSY.
(221206-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	147427-03	PIVOT PIN RETAINER	1
2	130488-03	LINKAGE PIVOT	2
3	201142-01	AXLE TRUNION WLDMT.	1
4	147494-01	SPEED SHIFT BRACKET WLDMT.	2
5	217949-04	ASSY. - AXLE FRONT & REAR	2
6	130422	SET SCREW - 26 MM X 124 MM	REF
7	130422-C1	JAM NUT - 7/8-14	REF
8	214797-04	TIRE & RIM ASSY.	4
9	83427	LOCK WASHER - 1" SPRING STEEL	20
10	98453	HEX NUT - 1-8 GR8	16
11	214527-04	PLASTIC SPACER	2
12	29M85	DURALON BUSHING	2
13	149999-03	FRONT AXLE TRUNION PIN WLDMT.	1
14	99359	HEX BOLT - 1-8 X 5 GR8	20
15	147515-04	JAM NUT - 1-14 GR8	2
16	130541	JAM NUT - 1/2-20 GR8	2
17	84778	HEX BOLT - 5/8-11 X 1 1/2" GR8	4
18	84717	LOCK WASHER - 5/8" SPRING STEEL	4
19	83924	HEX BOLT - 3/8-16 X 1 1/2" GR8	2
20	92235	LOCK NUT - 3/8-16 GR8	2
21	200190-04	AXLE PIVOT BLOCK	REF
22	141568	S.H.C.S. SCREW - 3/4-10 X 3 1/2" LG	8
23	83752-04	LOCK WASHER - 3/4" SPRING STEEL	8
24	84071-04	HEX NUT - 3/4-10 GR8	8
25	93211	HEX NUT - 3/4-16 GR8	48
26	95937	HARD WASHER - 3/4"	56
27	88960	FLUID - LOCTITE NO. 242	.25

AXLETECH SB-2500D DRIVE AXLE ASSY.
(217949-04)



AXLETECH SB-2500D DRIVE AXLE ASSEMBLY (217949-04)

ITEM #	PART NO.	DESCRIPTION	QTY.
1		BEARING CUP	
2	129328-C1	BREATHER ASSY.	
3	129328-C102	TRANSMISSION CASE	
4		BEARING CUP	
5	129328-C81	OIL SEAL ASSY.	
6		LOW SPEED DRIVEN GEAR	
7		BUSHING	
8	129328-C56	DETENT BALL	
9	129328-C55	SPRING	
10	129328-C47	CLUTCH ADAPTER	
11		CLUTCH ADAPTER NUT	
12		SET SCREW	
13	129328-C44	SLIDING SHIFT COLLAR	
14	129328-C135	INPUT DRIVE PINION W/ NUT	
15		BEARING CONE	
16		BEARING CUP	
17	129328-C45	GASKET	
18		SPACERS	
19		COVER	
20		BALL	
21		SPRING	
22		LOCKWASHER	
23		SHIFT SHAFT DETENT SCREW	
24		INPUT ADAPTER	
25		STUD	
26		WASHER	
27		STUD NUT	
28	129328-C77	OIL SEAL ASSY.	
29		LOCK NUT	
30		BEARING CUP	
31		BEARING CONE	
32		WASHER	
33	129328-C114	INPUT LOCKNUT	
34		CAP SCREW	
35		COVER	
36		CAP SCREW	
37		WASHER	
38		FRONT IDLER BEARING CUP	
39	129328-C70	SHIMS	
40	129328-C73	FRONT IDLER BEARING CUP	
41	129328-C74	BEARING CONE	
42		CAP SCREW	
43		DOWEL	
44	129328-C111	IDLER GEAR	
45		PROTECTOR	

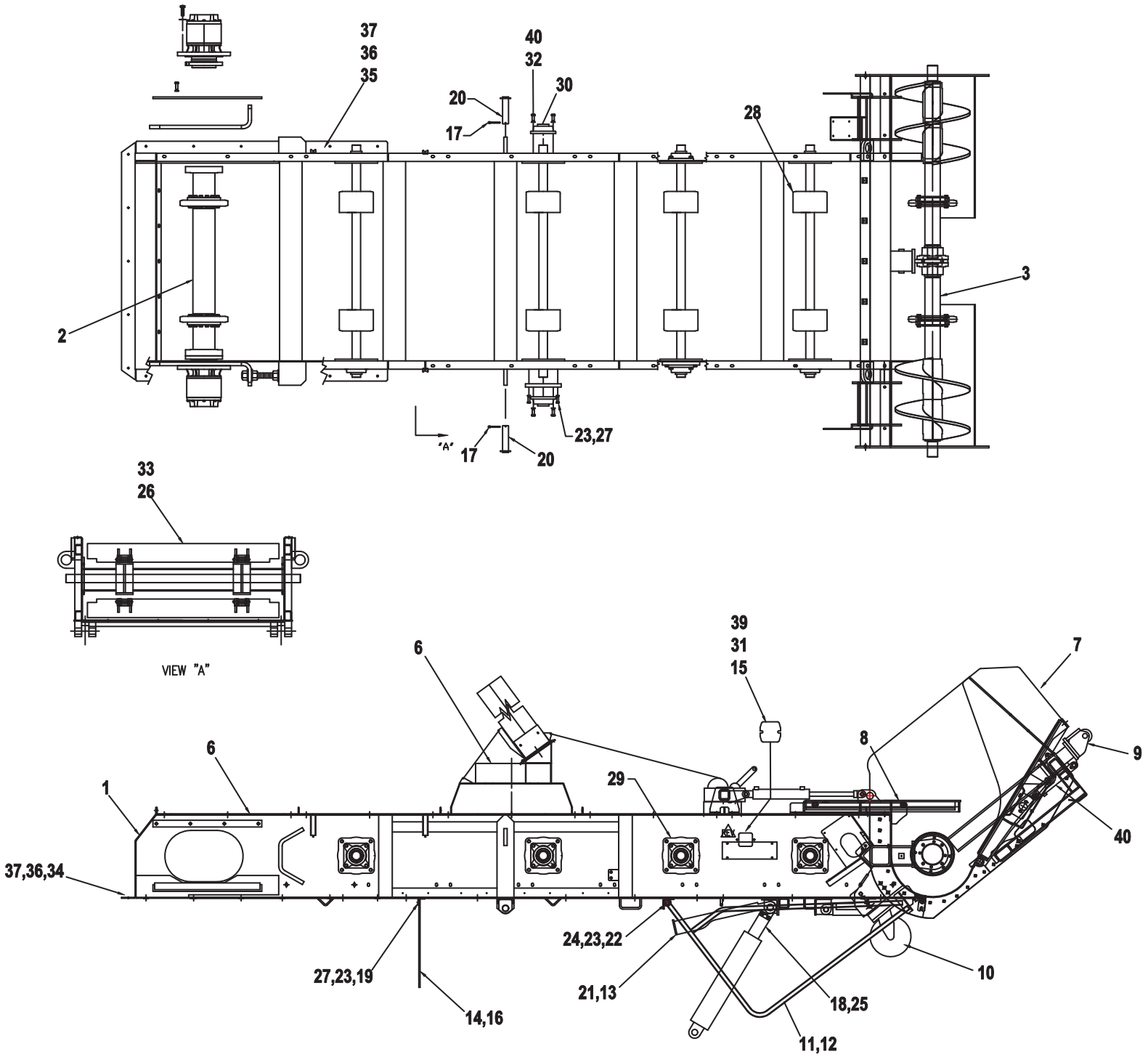
AXLETECH SB-2500D DRIVE AXLE ASSEMBLY (217949-04)

ITEM #	PART NO.	DESCRIPTION	QTY.
46	129328-C78	SHIFT SHAFT	
47	129328-C69	SHIFT FORK	
48	129328-C79	SET SCREW	
49		LOCK WIRE	
50	129328-C113	IDLER PINION	
51		KEY	
52	129328-C75	BEARING CONE	
53	129328-C76	REAR IDLER BEARING CUP	
54		CAP SCREW	
55		FLATWASHER	
56		PLUG	
57		WASHER	
58		NUT	
59		REAR IDLER BEARING CUP	
60		WASHER	
61		CAP SCREW	
62		AXLE BEVEL PINION	
63		KING PIN BUSHING	
64	129328-C103	UPPER KING PIN CAP	
65		UPPER KING PIN CAP SCREW	
66		CAP SCREW WASHER	
67		GREASE FITTING	
68	129328-C94	SHIM	
69	129328-C95	SHIM	
70	129328-C96	SHIM	
71	129328-C5	LEFT FRONT STEER KNUCKLE	
72	129328-C6	RIGHT FRONT STEER KNUCKLE	
73		STOP SCREW	
74		STOP SCREW LOCK NUT	
75	129328-C10	LOWER KING PIN THRUST WASHER	
76	129328-C94	SHIM	
77	129328-C95	SHIM	
78	129328-C96	SHIM	
79	129328-C98	LOWER KING PIN THRUST WASHER	
80	129328-C99	STEER AXLE SHAFT - LONG	2
81	129328-C100	STEER AXLE SHAFT - SHORT	
82		STEER KNUCKLE TIE ROD CLEVIS BUSHING	
83	129328-C13	PLANETARY SPIDER	
84	129328-C23	WHEEL HUB	
85		LOWER KING PIN CAP SCREW	8
86		STEER KNUCKLE TIE ROD NUT	
87		STEER KNUCKLE TIE ROD COTTER PIN	
88	129328-C102	AXLE HOUSING	
89		STEER KNUCKLE TIE ROD ASSY.	

SECTION 4 : CONVEYORS

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	223775-01	975 & UP	4.1
C1 CHAIN	223580-02		4.3
FOOTSHAFT & AUGER	223790-01	975 & UP	4.5
HEADSHAFT & TAKE- UP	223789-01	975 & UP	4.7
TOP COVER W/FUME	214495-01	820 & UP	4.9
WEAR PLATES	222251-01	950 & UP	4.11
DUMP HOPPER	223153-01		4.13
VIBRATOR	214654-01		4.15
BAFFLE	221906-01	942 & UP	4.17
HYD. PUSH ROLLER	212468-01	780 & UP	4.19
CASTER & SKIDS	148085-01		4.21
GREASE LINES	200733-01	776 & UP	4.23
C-2 CONVEYOR	223294-01	975 & UP	4.25
CHAIN & IDLER	223297-01		4.27
C2 CHAIN	223338-02		4.28
FOOTSHAFT & AUGER	223296-01		4.29
HEADSHAFT & TAKE-UP	223295-01	958 & UP	4.31
LINER & BOTTOM PLATE	223298-01		4.33
FLOWGATES	223299-01		4.34
C-3 CONVEYOR	223787-01	975 & UP	4.35
CHAIN & IDLER	223788-01		4.39
C3 CHAIN	223582-02		4.42
INSULATION PANEL & TRUCK RAIL	214690-01	820 & UP	4.44
TOP COVER W/FUME	214493-01	820 & UP	4.45

C-1 CONVEYOR ASSEMBLY
(223775-01)

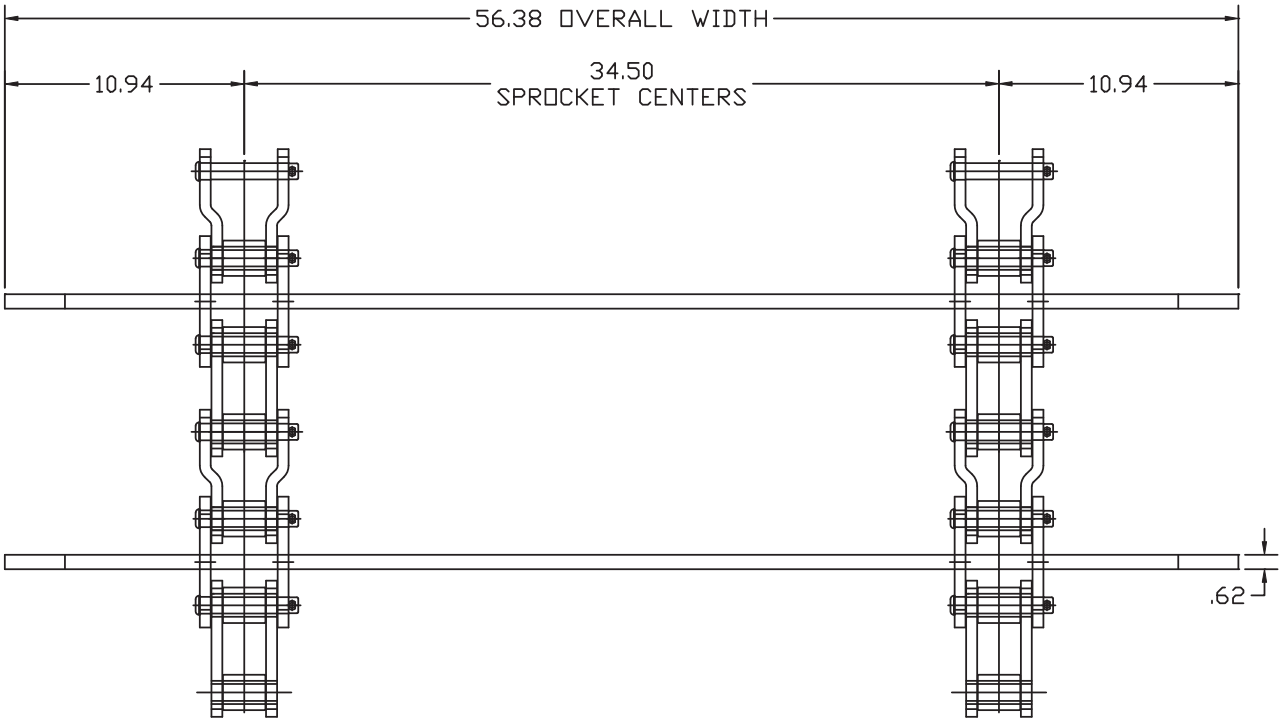


C-1 CONVEYOR ASSEMBLY
(223775-01)

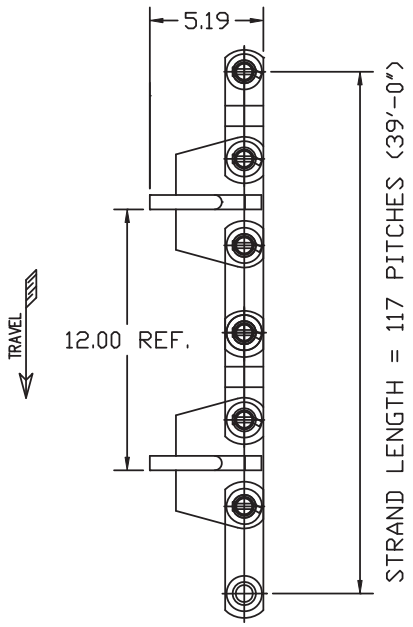
ITEM #	PART NO.	DESCRIPTION	QTY.
1	223774-01	WELDMENT, C1 CONVEYOR	1
2	223789-01	SUB-ASSY, C1 HEADSHAFT AND TAKE-UP	1
3	223790-01	SUB-ASSY, C1 FOOTSHAFT AND AUGER	1
4	222251-01	SUB-ASSY, C1 WEAR PLATES	1
5	200733-01	SUB-ASSY, C1 GREASE LINES	1
6	214495-01	SUB-ASSY, C1 TOP COVER AND FXS	1
7	223153-01	SUB-ASSY, C1 DUMP HOPPER	1
8	221906-01	SUB-ASSY, C1 BAFFLE	1
9	212468-01	SUB-ASSY, C1 PUSH ROLLER	1
10	148085-01	SUB-ASSY, C1 CASTER AND SKID RUNNER	1
11	207690-01L	WELDMENT, C1 GUARD RAIL, LH	1
12	207690-01R	WELDMENT, C1 GUARD RAIL, RH	1
13	207691-01	WELDMENT, C1 CYLINDER PROP	2
14	207381-03	C1 FLASHING	1
15	129384-03	CHAIN INSPECTION COVER	1
16	99159-03	CLAMP BAR, C1 FLASHING	1
17	27D87	PIN - COTTER 3/8" X 3 1/2"	2
18	200734-04	C1 CYLINDER STOP	2
19	83288	HEX NUT, 1/2 - 13 GR8	7
20	99165-04	PIN, C1 PIVOT	2
21	144993-04	LYNCH PIN, 3/16	2
22	83754	HEX BOLT, 1/2 - 13 X 1	2
23	83317	LOCK WASHER, 1/2	41
24	136743-04	FLAT WASHER, 1/2, SCREED	2
25	128462	BOLT, C'SUNK 1/2 - 13 X 1	8
26	38885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2
27	89142	HEX BOLT, 1/2 - 13 X 1 3/4	39
28	145488-01	WELDMENT, C1 IDLER SHAFT	4
29	99364-03	BEARING MOUNTING PLATE	4
30	88993-04	IDLER BEARING, 2 7/16"	8
31	129097	NUT - 3/8 - 16 WING	2
32	89143	BOLT - HEX 5/8" - 11 UNC X 1 3/4"	32
33	223580-02	C1 CHAIN ASSEMBLY, SB-2500D	1
34	129238-03	CANVAS CLAMP BAR, C1 END	1
35	204707-03	CANVAS CLAMP BAR, SIDE	4
36	89987-04	WING BOLT, 3/8 - 16 X 1	17
37	83757	FLAT WASHER, 3/8	17
38	201154-03	C1 CONTROL MANIFOLD COVER	1
39	83757	WASHER - 3/8 FLAT (STEEL)	2
40	84717	WASHER - 5/8 LOCK (SPRING STEEL)	32

ASSEMBLY - C1 CHAIN
(223580-02)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	223580-02-C1	CONNECTING PIN	REF
2	223580-02-C2	3-PITCH SECTIONS	REF
3	223580-02-C3	KEEPER PIN	REF
4			
5			



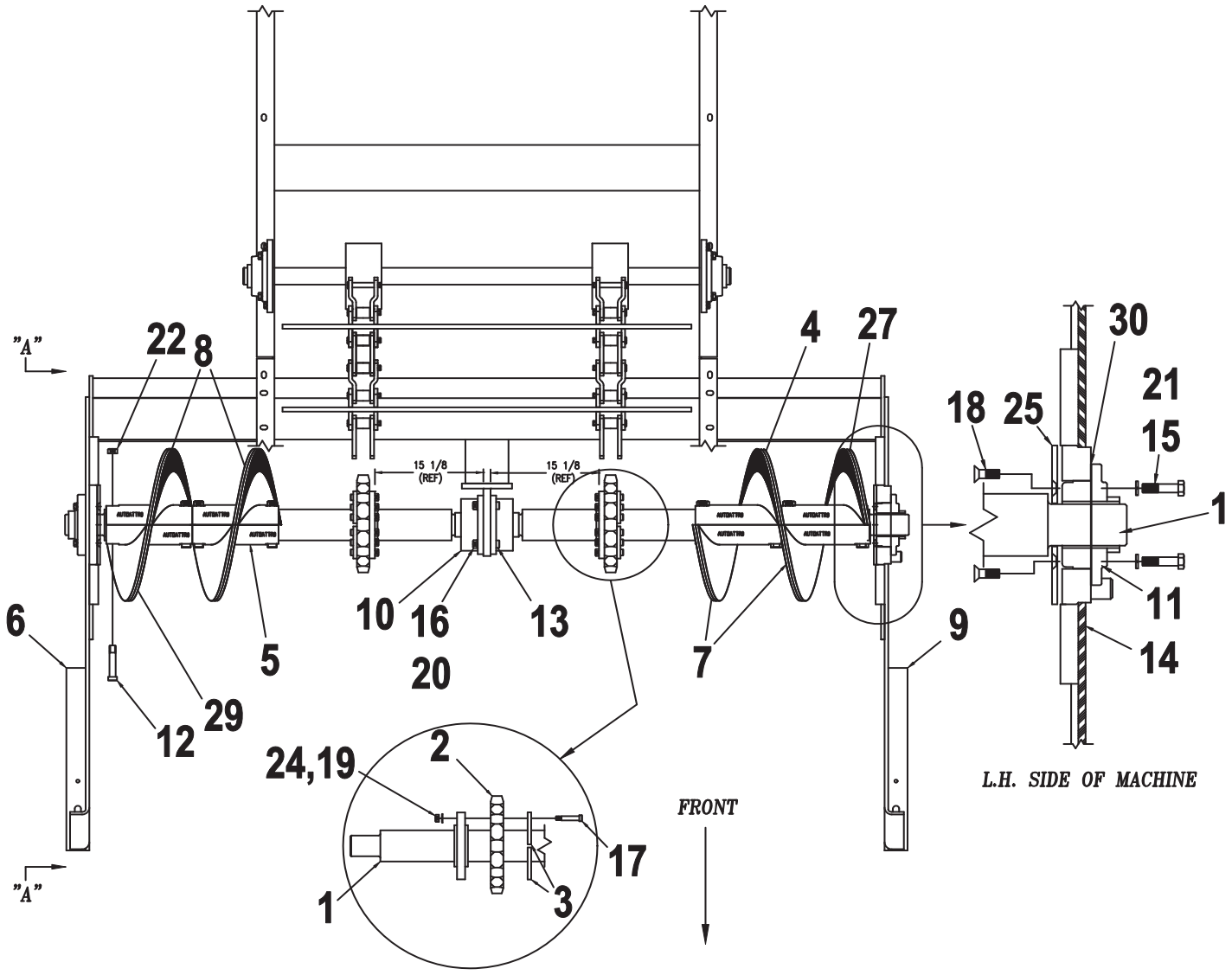
WELD SIZE TO BE
± 1/16"

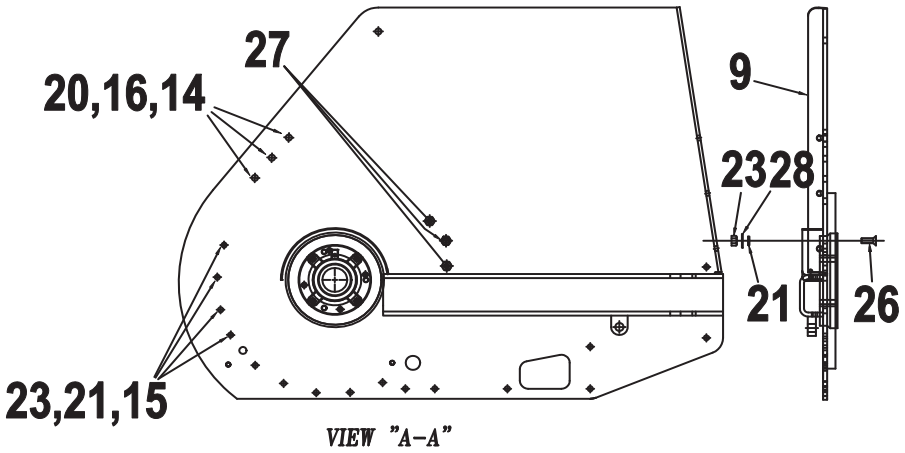


FOR PLAIN CHAIN DIMENSIONS
AND SPECIFICATIONS SEE
DRAWING # C2846

ULTIMATE STRENGTH	PART	MATERIAL	TREATMENT
84,000 LBS.	SIDEBARS	CARBON STEEL	HEAT-TREATED
WORKING LOAD	PIN	ALLOY STEEL	INDUCTION HARDEN
7,200 LBS.	BUSHING	ALLOY STEEL	CASE HARDEN
WEIGHT PER FOOT	ROLLER	ALLOY STEEL	CASE HARDEN
18.0 LBS.			
NO. LINKS IN 10 FEET			
30			

C-1 FOOTSHAFT & AUGER ASSEMBLY
(223790-01)



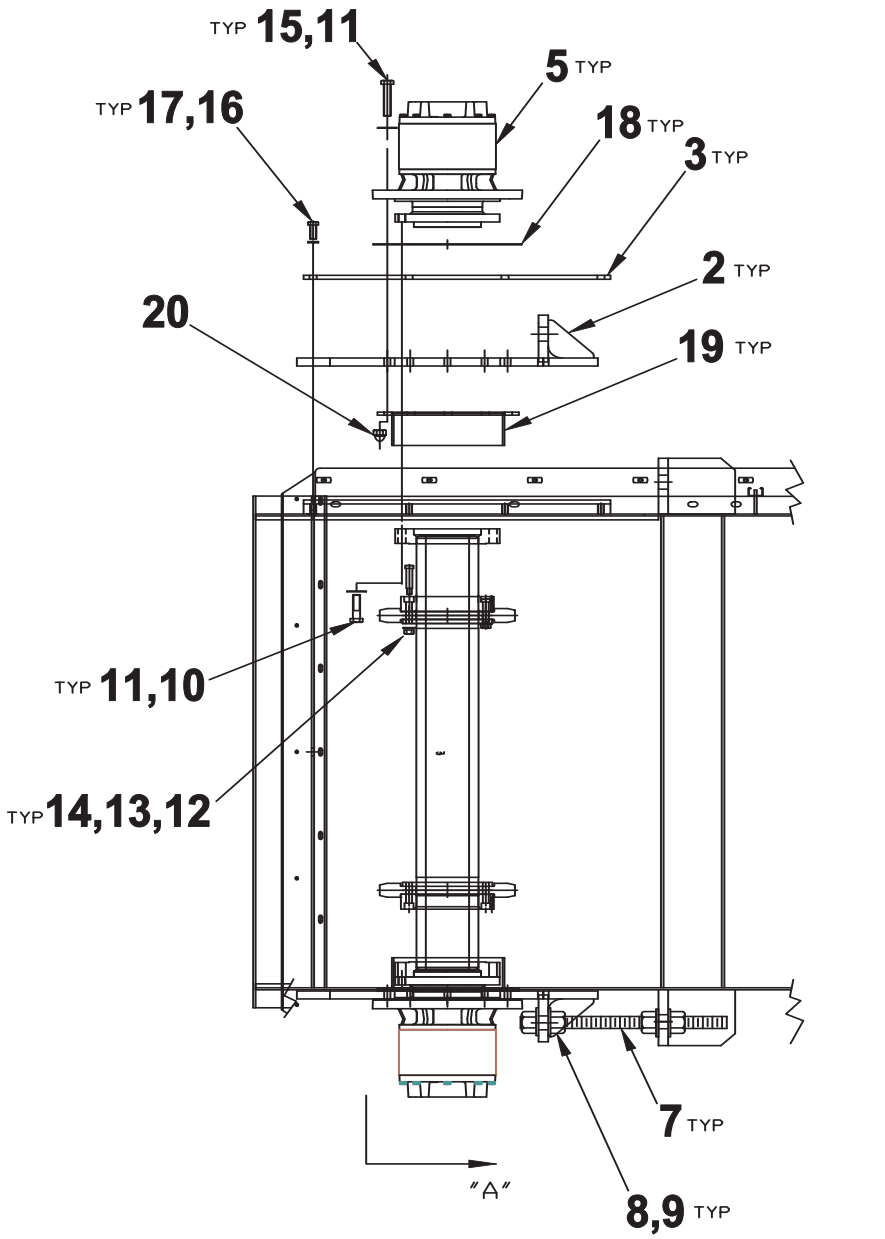


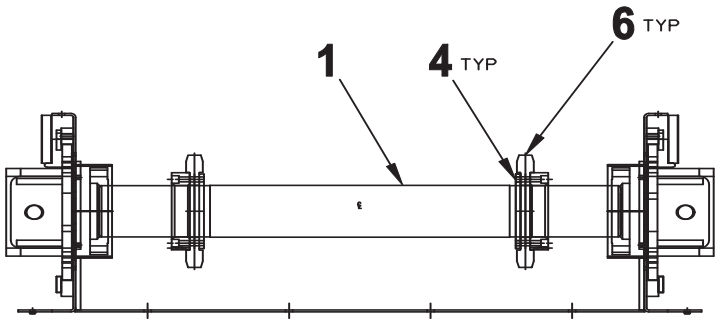
VIEW "A-A"

FOOTSHAFT & AUGER SUB ASSY - C1
(223790-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	223800-03	C-1 FOOTSHAFT WELDMENT & MACHINING	2
2	223577-02	SPROCKET - C1/C2 W/MUD RELIEF	2
3	223784-04	SPROCKET COVER PLATE	4
4	200308-01	FLIGHT - 12" RIGHT PITCH, LEFT SIDE	1
5	200310-01	FLIGHT - 12" LEFT PITCH, RIGHT SIDE	1
6	216486-01	RH C-1 ENDPLATE WELDMENT	1
7	200309-01	FLIGHT - 12" RIGHT PITCH, LEFT SIDE	2
8	200311-01	FLIGHT - 12" LEFT PITCH, RIGHT SIDE	2
9	216487-01	LH C-1 ENDPLATE WELDMENT	1
10	29M98	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
11	122266-04	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
12	200318	SCREW - 7/8 - 9 X 7 SOC HD	8
13	141568	SCREW - 3/4 - 10 X 3 1/2 SOC HD	4
14	93071	BOLT - 3/4 - 10 X 2 HEX GR8	6
15	96041	BOLT - 5/8 - 11 X 2 HEX GR8	16
16	84071-04	NUT - 3/4 - 10 HEX GR8	16
17	138651-04	BOLT - 5/8 X 2 1/2 SHOULDER (1/2 - 13 UNC)	24
18	91223-04	BOLT - 5/8 - 11 X 1 3/4 CSK	8
19	10D63	WASHER - 1/2 HARD (STEEL)	24
20	83752-04	WASHER - 3/4 LOCK (SPRING STEEL)	16
21	84717	WASHER - 5/8 LOCK (SPRING STEEL)	30
22	132058-04	NUT - 7/8 - 9 TOP LOCK GR8	8
23	85148	NUT - 5/8 - 11 HEX GR8	14
24	139741-04	NUT - 1/2 - 13 CENTER GRIP LOCK HEX GR8	24
25	212485-03	COVER PLATE	2
26	91223-04	BOLT - CSK 5/8" - 11 X 1 3/4"	6
27	218675-01	FLIGHT - 12" RIGHT PITCH, LEFT SIDE, DUAL HARD	1
28	26F83	WASHER - FLAT 5/8 A325 (1 5/16 OD) HW	6
29	218673-01	FLIGHT - 12" LEFT PITCH, RIGHT SIDE, DUAL HARD	1
30	222826-03	DETAIL - OUTER BEARING SPACER	2

C-1 HEADSHAFT & TAKE-UP ASSEMBLY
(223789-01)



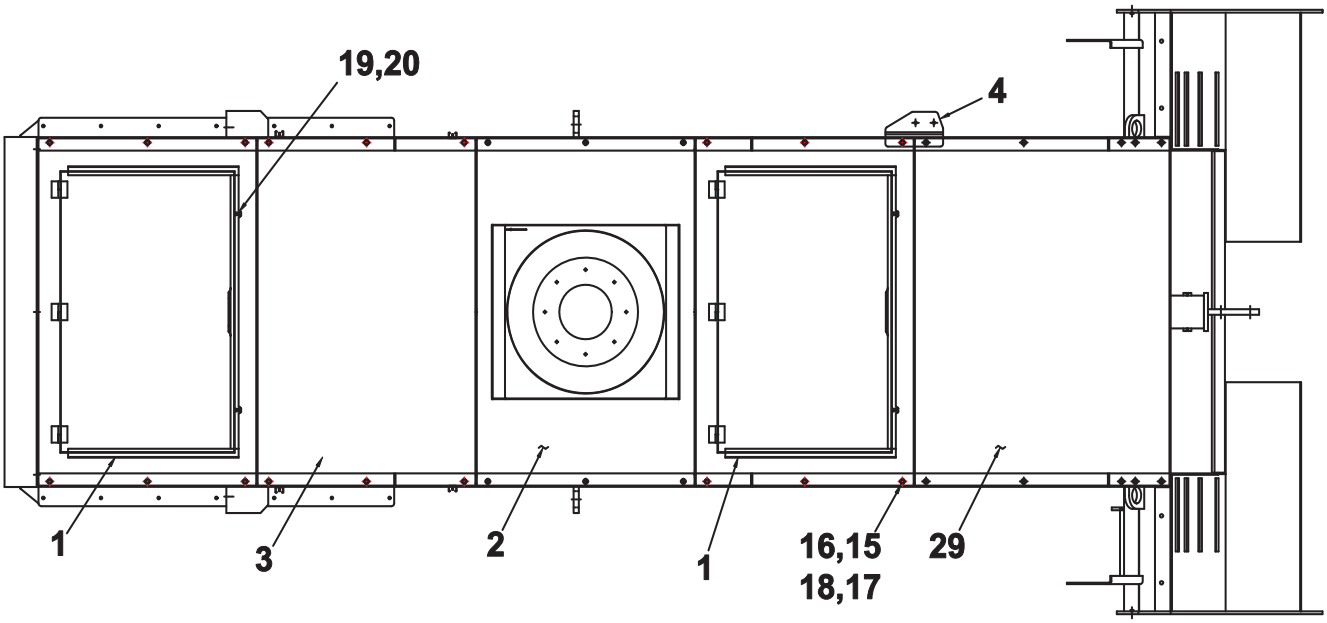


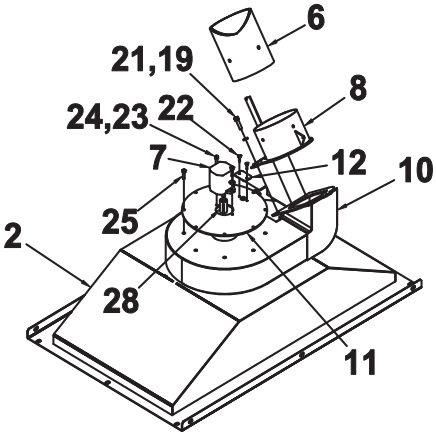
VIEW "A"

C-1 HEADSHAFT & TAKE-UP SUB ASSY (223789-01)

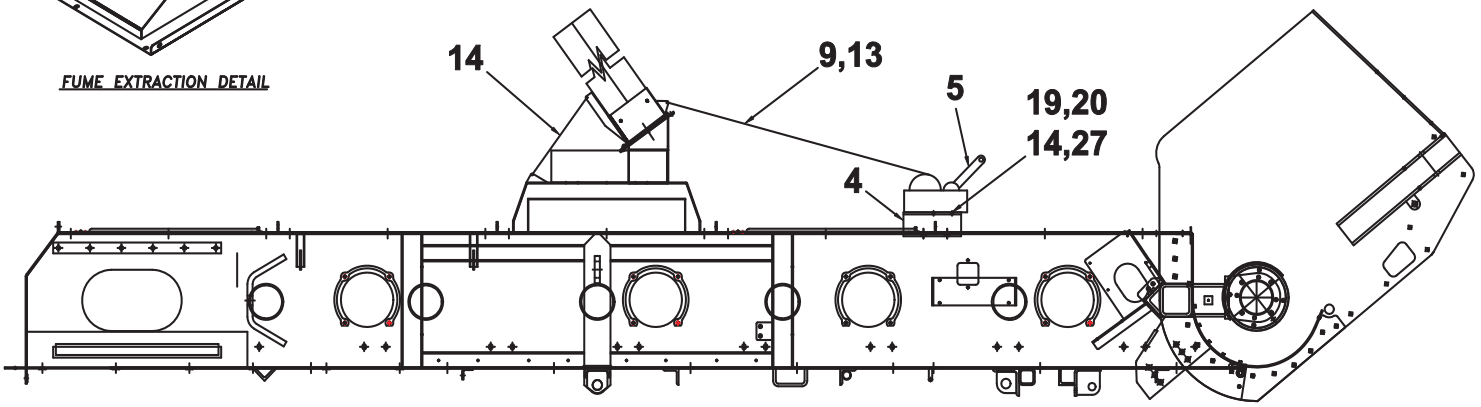
ITEM #	PART NO.	DESCRIPTION	QTY.
1	223801-01	C1 HEADSHAFT, WELDMENT AND MACHINING	1
2	222286-01	C1 TAKE-UP BRACKET	2
3	215750-03	UPPER KEEPER BAR	2
4	223784-04	SPROCKET COVER PLATE	4
5	29E38	GEARBOX, C1 AND C3 CONVEYORS	2
6	223577-02	SPROCKET - C1/C2 W/MUD RELIEF	2
7	222306-04	ASSEMBLY - TAKE-UP SCREW	2
8	83031	HEX NUT, 1 1/2 - 6 GR8	6
9	83032	FLAT WASHER, 1 1/2 N SERIES	8
10	122336	HEX BOLT, 3/4 - 16 X 3 GR8	16
11	83752-04	LOCK WASHER, 3/4	42
12	138651-04	HEX BOLT, 5/8 X 2 1/2 SHOULDER	24
13	10D63	WASHER, 1/2 HARD, A325	24
14	139741-04	HEX NUT, 1/2 - 13 CENTER LOCK GR8	24
15	94716	BOLT - HEX 3/4" - 10 X 4" FULL THREAD	20
16	95932	BOLT - HEX 3/4" - 10 X 1 1/2"	8
17	83752-04	WASHER - LOCK 3/4" SPRING STEEL	8
18	211345-03	C-1 HEADSHAFT SPACER	4
19	223785-01	WELDMENT - C1 DRIVE BOOT GUARD	4
20	97343	ACORN NUT	20

C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(214495-01)





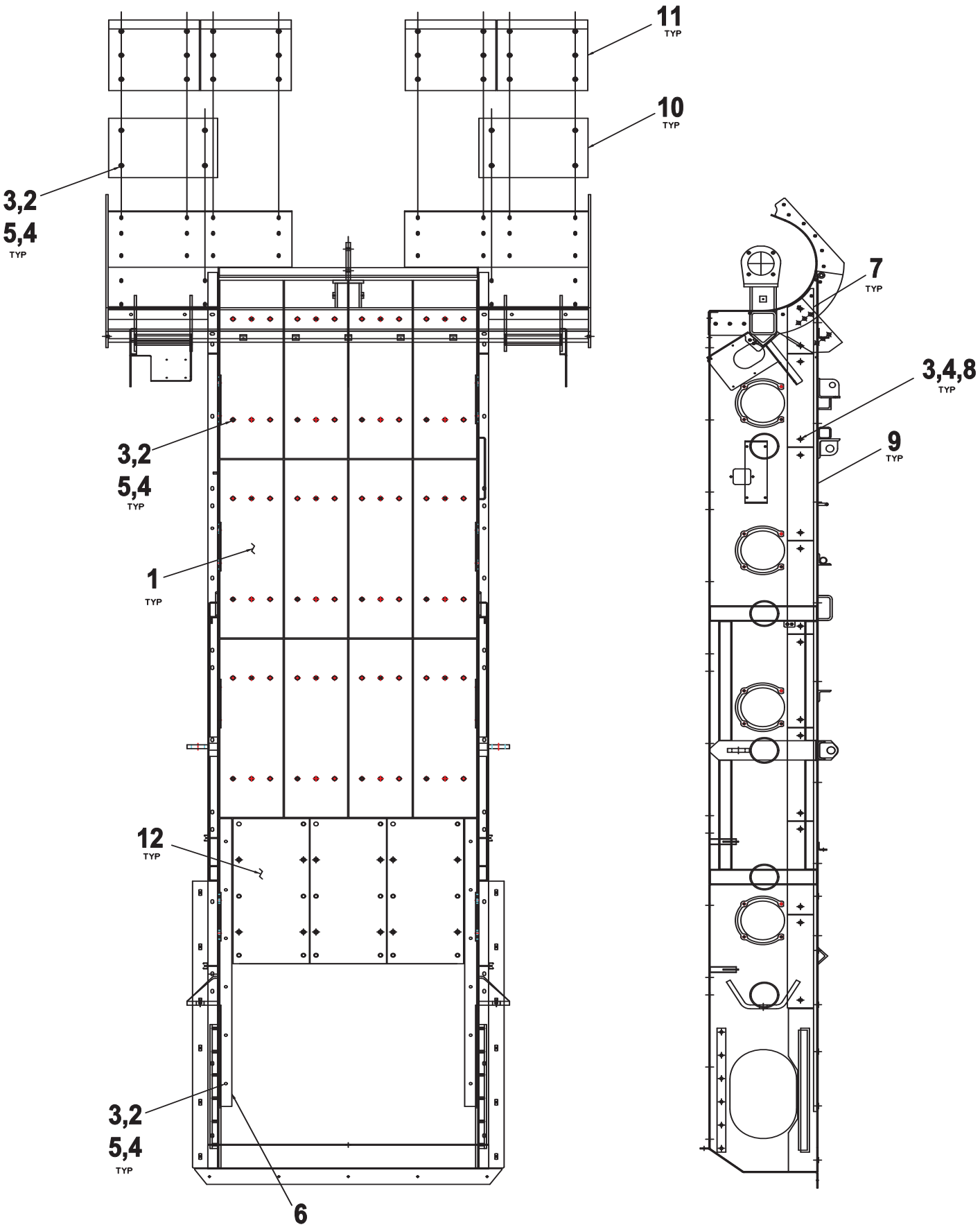
FUME EXTRACTION DETAIL



C-1 CONVEYOR TOP COVER & FXS ASSEMBLY (214495-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214648-01	TOP COVER PLATE WELDMENT	2
2	214649-01	TOP COVER FXS WELDMENT	1
3	214501-01	TOP COVER PLATE	1
4	148021-03	WINCH MOUNTING BRACKET	1
5	142469-04	WINCH - 600 LBS	1
6	129227-03	VENT PIPE	1
7	134229-04	MOTOR, HYD. 1.02 CID, (SUND)	1
8	134543-02	FAN SHROUD VENT EXTENSION	1
9	127709	CABLE - 1/8" AIRCRAFT	108
10	129135-01	C-1 BLOWER SHROUD	1
11	134686-04	BLOWER MOTOR MOUNTING PLATE (SUND)	1
12	134687-04	INSPECTION COVER	1
13	142600-04	CRIMP, 1/8" WIRE ROPE	2
14	133967-04	SPRING, 1/2 OD, 10" LONG, 1/16 WIRE	1
15	86164	HEX BOLT, 1/2 - 13 X 1 1/4	27
16	83781-04	FLAT WASHER, 1/2	75
17	83317	LOCK WASHER, 1/2	29
18	83288	HEX NUT, 1/2 - 13 GR8	29
19	83056	LOCK WASHER, 3/8	12
20	83055	HEX NUT, 3/8 - 16 GR8	6
21	84332	HEX BOLT, 3/8 - 16 X 1	6
22	83114	HEX BOLT, 1/4 - 20 X 1/2	2
23	92235	LOCK NUT, 3/8	2
24	96476	HEX BOLT, 3/8 - 16 X 1 1/4	4
25	86127-04	HEX BOLT, 3/8 - 16 X 3/4	18
26			
27	83757	FLAT WASHER, 3/8	6
28	130665-04	BUSHING & KEY	1
29	215923-01	C-1 TOP COVER	1

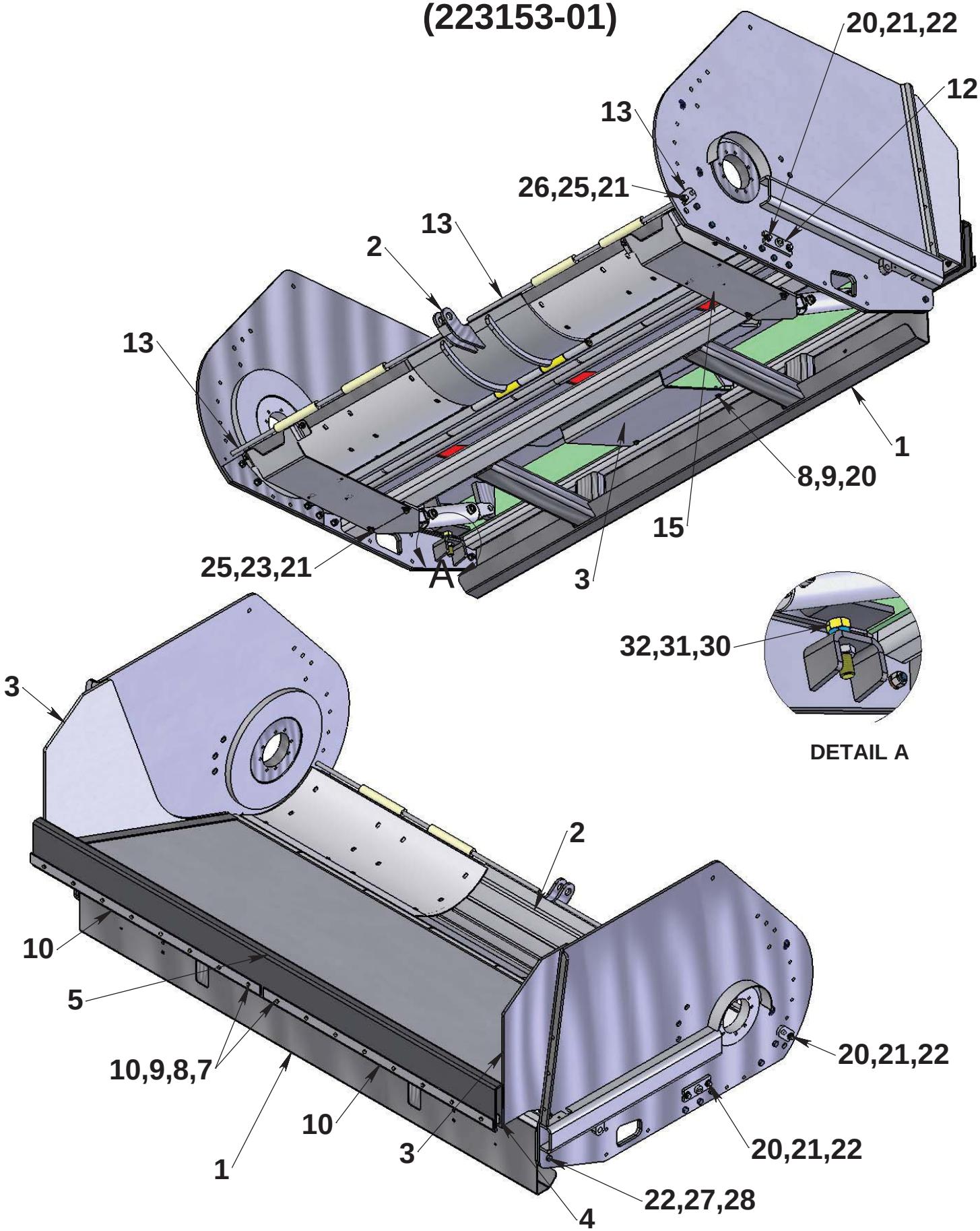
C-1 CONVEYOR WEAR PLATE ASSEMBLY
(222251-01)



C-1 CONVEYOR WEAR PLATE ASSEMBLY (222251-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	98961-03	C-1 LINER PLATE, CASTING NI-HARD	12
2	29C18	CSK BOLT - 1/2-13 X 1 3/4"	80
3	83781-04	FLAT WASER - 1/2"	112
4	83317	LOCK WASHER - 1/2"	112
5	83288	HEX NUT - 1/2-13 GR8	80
6	222279-01	C-1 FLOOR LINER PLATE - REAR	2
7	200668-03	C-1 SIDE LINER PLATE, FRONT (TENS BLUE)	2
8	86164	HEX BOLT - 1/2-13 X 1 1/4"	32
9	149877-03	SIDE LINER PLATE (TENS BLUE)	14
10	207704-03	AUGER LINER PLATE - BOLT-IN	2
11	207705-03	BELLY LINER PLATE - BOLT-IN	4
12	BN-906-7143	BOTTOM NI-HARD LINER	3

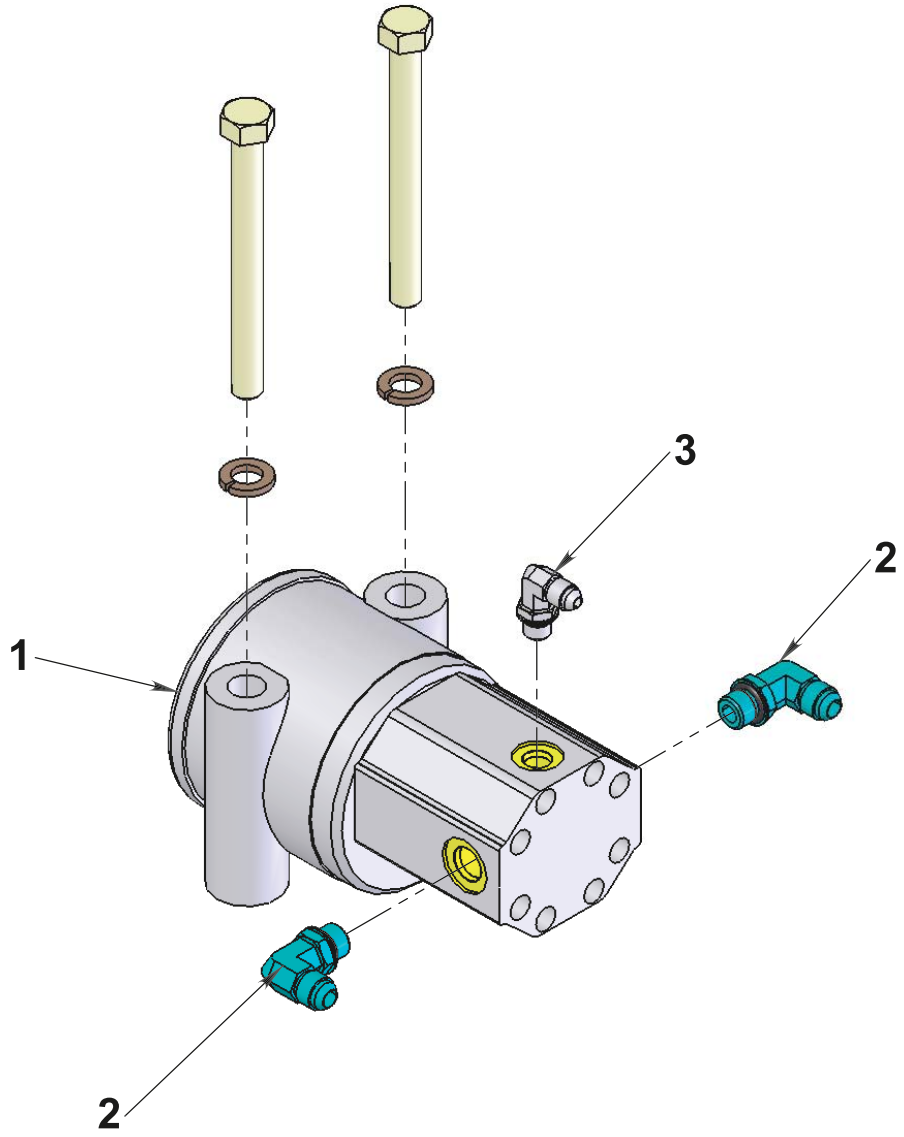
ASSEMBLY - C1 DUMP HOPPER (223153-01)



ASSEMBLY - C1 DUMP HOPPER
(223153-01)

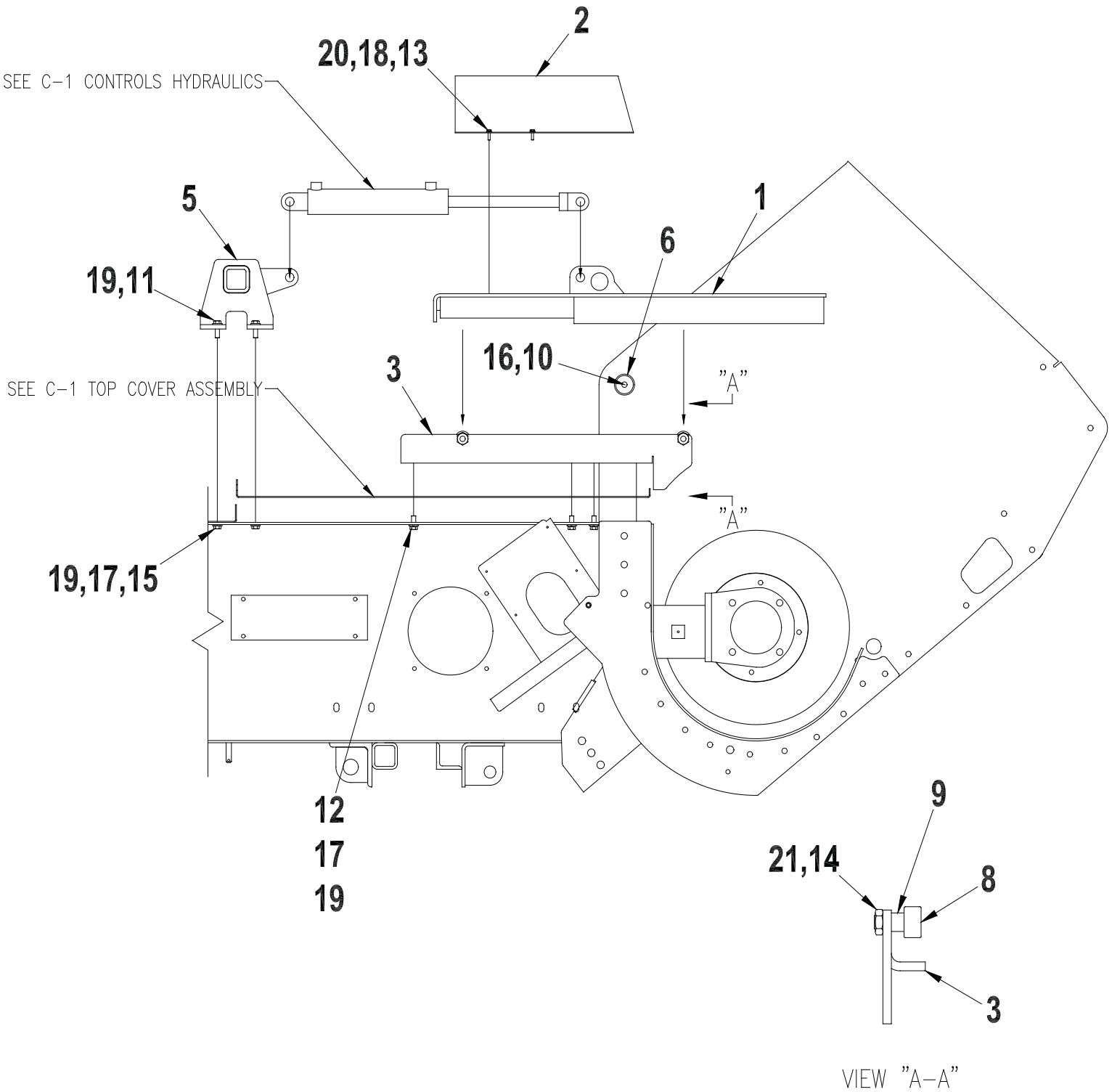
ITEM #	PART #	DESCRIPTION	QTY
1	223151-01	WELDMENT - C1 HOPPER UNDERCARRIAGE	1
2	207708-01	WELDMENT, C-1 CLEANOUT DOOR	1
3	223152-01	WELDMENT-DUMP HOPPER	1
4	143620-03	FLASHNG.SUPPORT WLD.(C1 DUMP HOPPR)	2
5	99218-02	RUBBER FLASHING	1
6	121809	BOLT * HEX 3/8"-16 X 3 1/2"	16
7	83757	WASHER ~ FLAT 3/8 STEEL	23
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	23
9	83055	NUT * 3/8-16 HEX GRADE 8	16
10	96008-03	RUBBER RETAINING BAR	2
11	214654-01	VIBRATOR ASSEMBLY	1
12	223190-03	WELDMENT-DUMP HOPPER HINGE PIN	2
13	148045-03	WLDT- PIVOT PIN (HOPPER)	2
14	148051-03	WLDT-C1 CLEANOUT DOOR HINGE PIN	1
15	223167-01	DETAIL ~ C1 HOPPER HOSE TRAY	2
16	133846	BEARING * SPHERICAL 1"BORE DIA.	4
17	96041	BOLT ~ HEX 5/8-11 x 2"	12
18	84717	WASHER ~ LOCK 5/8" SPRING STEEL	14
19	85148	NUT * 5/8"-11 HEX GRADE 8	14
20	83781-04	WASHER * FLAT 1/2" STEEL	6
21	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	14
22	83754	BOLT * HEX 1/2"-13 X 1"	6
23	10D63	WASHER ~ 1/2" HARD A325	8
24	83288	NUT * 1/2"-13 HEX GRADE 8	4
25	23V93	BOLT ~ HEX 1/2"-13 x 3/4"	4
26	16p29	CLAMP * BOLT SIZE 1/2"HOSE	5
27	12Y31	BOLT ~ HEX 3/8"-16 x 5/8"	5
28	136427	BOLT ~ HEX 3/8-16 UNC X 1 3/4" (FULL THR'D)	2
29	137265	SCREW * 5/8-11 X 2 SOC.HEAD	2
30	14S13	BOLT * HEX 1"-8 X 3 1/2"	2
31	98453	NUT * HEX 1-8 UNC * GRADE 8 (98453)	2
32	88445-04	NUT * 1"-8 UNC JAM	2

VIBRATOR ASSEMBLY
(214654-01)



ITEM #	PART #	DESCRIPTION	QTY
1	149125-04	HYD.DRIVEN VIBRATOR 782 LB 9000 RPM	1
2	83734-04	FIT-ELBOW 90 DEG M W_NUT, WASHER, O-RING 6 JIC - 6 SAE	2
3	83743-04	ELBOW 90 DEG M W_NUT, WASHER, O-RING 4 JIC - 4 SAE	1

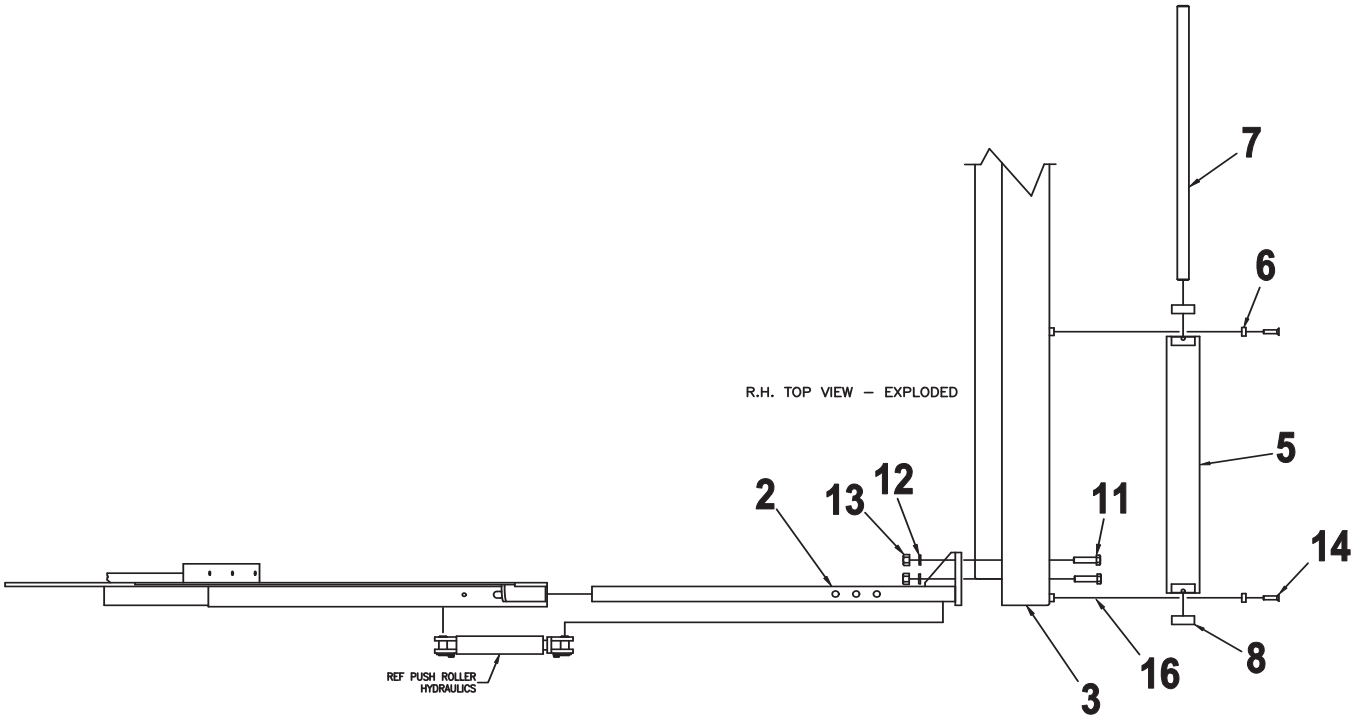
C-1 BAFFLE ASSEMBLY
(221906-01)

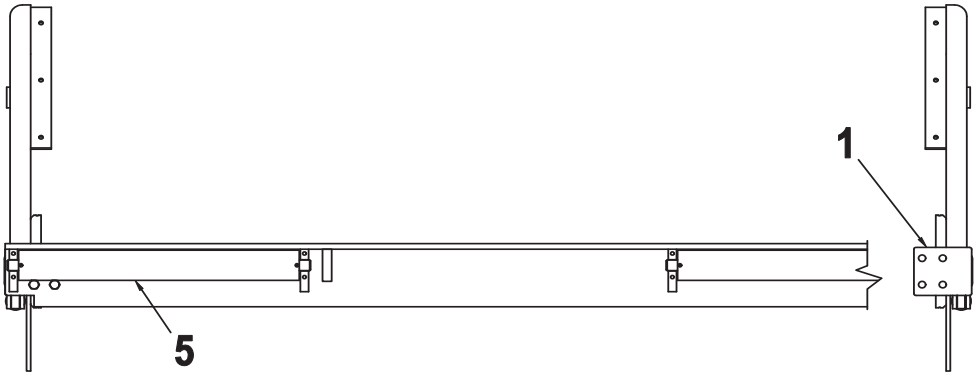


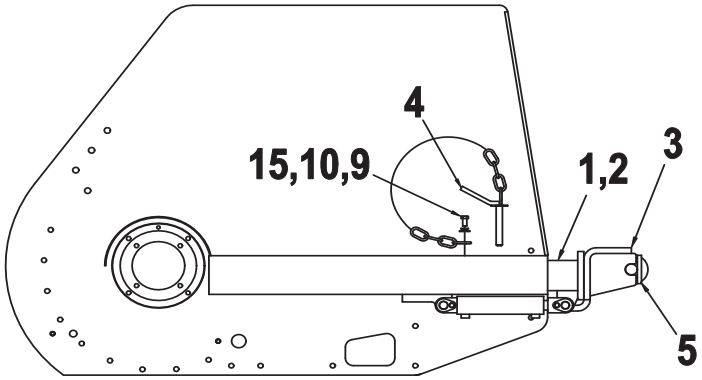
C-1 BAFFLE ASSEMBLY
(221906-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	221899-01	BAFFLE WELDMENT	1
2	141583-01	BAFFLE CYL. COVER MOUNT	1
3	210188-03	LH BAFFLE GUIDE PLATE	1
4	210189-03	RH BAFFLE GUIDE PLATE	1
5	210182-01	BAFFLE CYLINDER SUPPORT WELDMENT	1
6	210540-03	C-1 END PLATE STIFFENER WELDMENT	1
7			
8	137544-04	BEARING - CAM FOLLOWER	4
9	00659	PIPE - 3/4" SCH. 40 X 1/2" LG	4
10	93071	HEX BOLT - 3/4-10 X 2" GR8	2
11	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	4
12	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	8
13	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	4
14	97169	JAM NUT - 3/4-16 RIGHT HAND THREAD	4
15	83288	HEX NUT - 1/2-13 GR8	4
16	83752-04	LOCK WASHER - 3/4" SPRING STEEL	2
17	83317	LOCK WASHER - 1/2" SPRING STEEL	12
18	83065	LOCK WASHER - 1/4" SPRING STEEL	4
19	83781-04	FLAT WASHER - 1/2" STEEL	16
20	84444	FLAT WASHER - 1/4" STEEL	4
21	88961	FLUIDS - LOCTITE NO. 271 RED	.1

HYDRAULIC PUSH ROLLER ASSEMBLY
(212468-01)



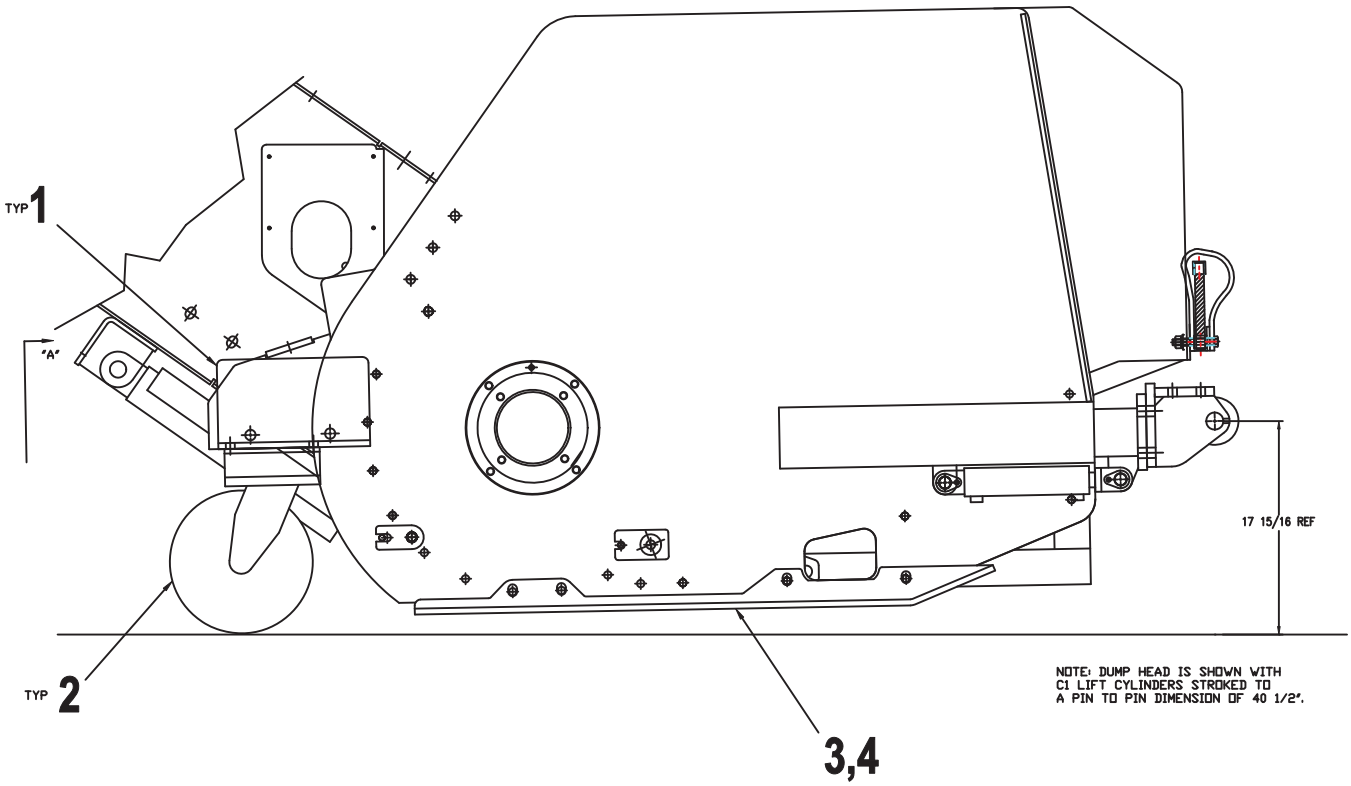


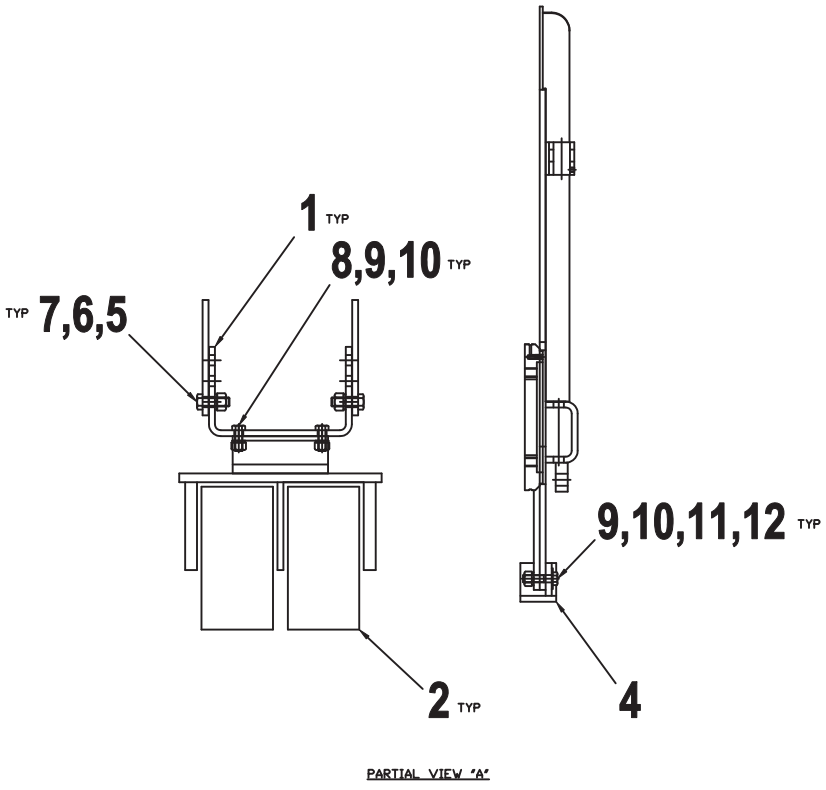


HYDRAULIC PUSH ROLLER ASSEMBLY (212468-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	212467-01L	L.H. PUSH ROLLER SUPPORT	1
2	212467-01R	R.H. PUSH ROLLER SUPPORT	1
3	204743-01	RUSH ROLLER BEAM	1
4	148064-03	PUSH ROLLER LOCKING PIN	2
5	137441-02	34" PUSH ROLLER	2
6	149088-04	PUSH ROLLER LOCK BAR	4
7	134626-02	PUSH ROLLER SHAFT	2
8	84734-04	BEARING	4
9	10D63	FLAT WASHER 1/2"	2
10	83317	LOCK WASHER 1/2" SPRING STEEL	2
11	95930	BOLT, HEX 3/4-10 X 2 3/4"	8
12	83752-04	LOCK WASHER 3/4"	8
13	84071-04	NUT, HEX 3/4-10 X GD. 8	8
14	26C72	HEX BOLT - 1/2-13 X 1 1/2 CSK	8
15	83754	BOLT, HEX 1/2-13 X 1"	2

C-1 CASTER & SKID RUNNER ASSEMBLY
(148085-01)

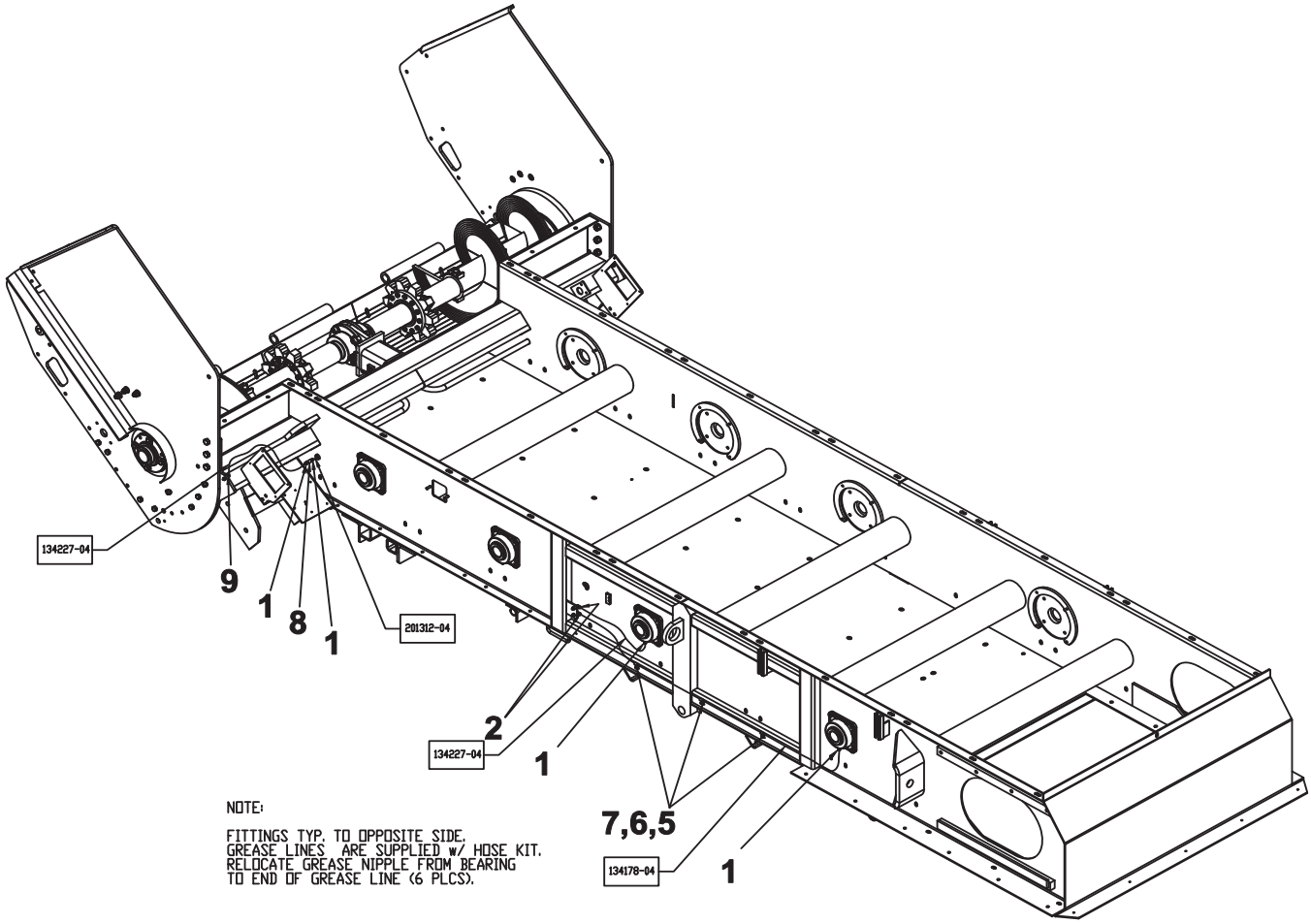


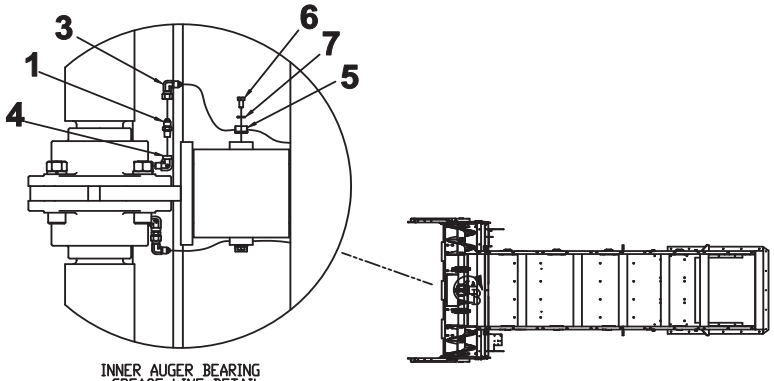


C-1 CASTER & SKID RUNNER ASSEMBLY (148085-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	142499-02	ADJ. CASTER MOUNTING PLATE	2
2	132001-04	SWIVEL CASTER W/ CAST IRON WHEELS	2
3	148096-01L	L.H. SKID RUNNER	1
4	148096-01R	R.H. SKID RUNNER	1
5	93189	BOLT, HEX 3/4-10 X 2 1/4"	8
6	83752-04	LOCK WASHER 3/4"	8
7	84071-04	NUT, HEX 3/4-10 GD. 8	8
8	96041	BOLT, HEX 5/8-11 X 2"	8
9	84717	LOCK WASHER 5/8"	8
10	85148	NUT, HEX 5/8-11 GD. 8	8
11	89252	BOLT, HEX 5/8-11 X 2 1/2"	8
12	85147	FLAT WASHER 5/8"	8

C-1 GREASELINE ASSEMBLY
(200733-01)

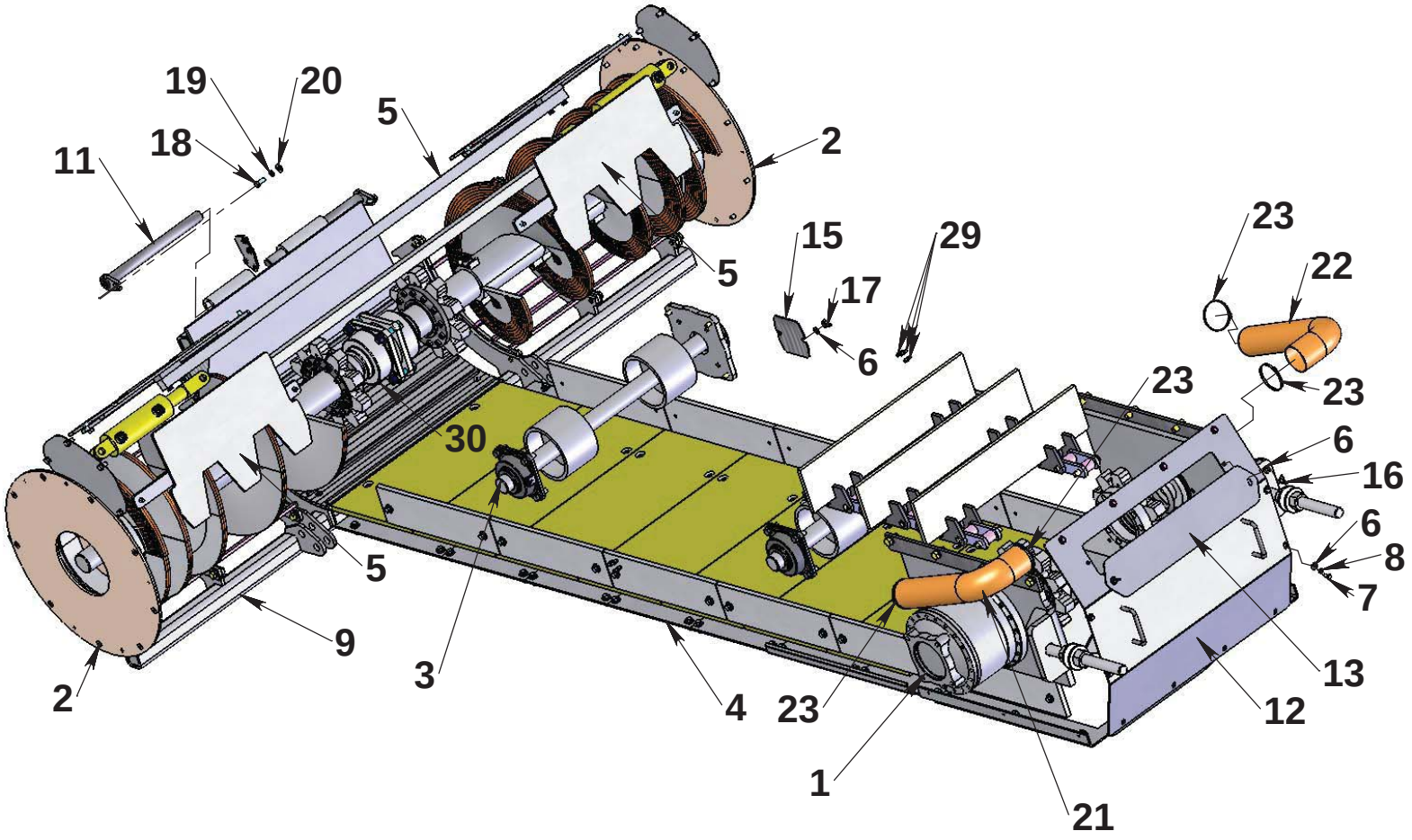




INNER AUGER BEARING
GREASE LINE DETAIL
DETAIL B

ITEM #	PART NO.	DESCRIPTION	QTY.
1	83742-04	FIT - CONNECTOR 4 JIC - 1/8" NPT M.	10
2	84560-04	FIT - ELBOW 4 JIC - 1/8" NPT 90° MALE	4
3	93043	FIT - ELBOW 4 JIC SWIVEL 90°	2
4	23J52	FIT - ELBOW 1/8" NPT M X 1/8" NPTF 90°	2
5	20K33	CLAMP - 3/8" DIA. X 1/2" WTH. X 1/4	9
6	83114	BOLT - HEX 1/4" - 20 X 1/2"	9
7	83065	WASHER - LOCK 1/4" SPRING STEEL	9
8	92792	COUPLING - PIPE 1/8" NPT	2
9	99509	FIT - 4 JIC M X 1/8" NPT M 45°	2

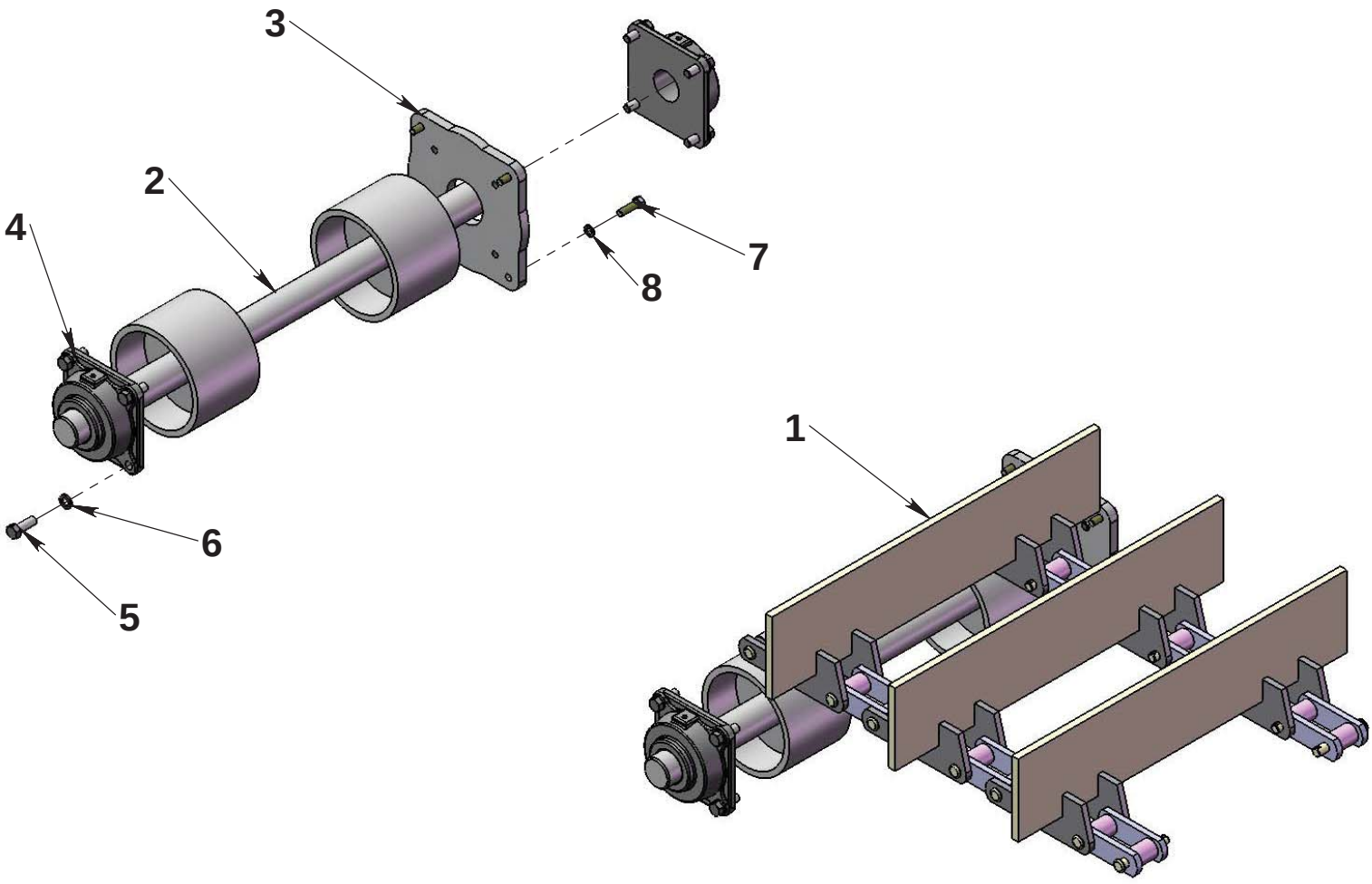
ASSEMBLY - C2 CONVEYOR
(223294-01)



ASSEMBLY - C2 CONVEYOR (223294-01)

ITEM #	PART #	DESCRIPTION	QTY
1	223295-01	ASSEMBLY-C2 HEADSHAFT & TAKE-UP	1
2	223296-01	ASSEMBLY - C2 CONVEYOR FOOTSHAFT & AUGER	1
3	223297-01	ASSEMBLY-C2 CHAIN & IDLER	1
4	223298-01	ASSEMBLY-C2 LINER & BOTTOM PLATE	1
5	223299-01	ASSEMBLY - FLOWGATE	1
6	83757	WASHER ~ FLAT 3/8 STEEL	12
7	84332	BOLT * HEX 3/8"-16 X 1"	8
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	8
9	222949-01	WELDMENT-C2 CLEAN OUT DOOR	1
10	222950-02	WLDT-C2 CLEAN OUT DOOR LINER	1
11	223468-03	WELDMENT-C2 CLEAN-OUT DOOR PIN	2
12	223234-02	WELDMENT - C2 CHAIN ACCESS DOOR	1
13	223252-03	DETAIL - C2 WASHDOWN PANEL	1
14	209884-02	WELDMENT-C2 DOOR LINER WELDMENT EXTENDED	2
15	129384-03	DETAIL-C-2 INSPECTION PLATE	1
16	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	2
17	129097	NUT * WING 3/8-16	2
18	86164	BOLT * HEX 1/2"-13 X 1 1/4"	2
19	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	5
20	83781-04	WASHER * FLAT 1/2" STEEL	5
21	223294-01-1	FLEX HOSE * 2PLY FIBERGLASS-SYLICONE COATED 4"ID x 120"	1
22	223294-01-2	FLEX HOSE * 2PLY FIBERGLASS-SYLICONE COATED 4"ID x 168"	1
23	129000	CLAMPS * HOSE 4 1/2" IDEAL # 6464	4
24	84717	WASHER ~ LOCK 5/8" SPRING STEEL	18
25	84778	HEX BOLT * 5/8-11 X 1 1/2 LG	18
26	85147	WASHER * FLAT 5/8"(USS 1 3/4 OD)	18
27	29C18	BOLT , CSK 1/2"-13 X 1 3/4"	3
28	83288	NUT * 1/2"-13 HEX GRADE 8	3
29	83742-04	FIT ~ CONNECTOR 4 JIC - 1/8" NPT M.	6
30	84560-04	FIT ~ ELBOW 4 JIC -1/8 NPT 90 MALE	2

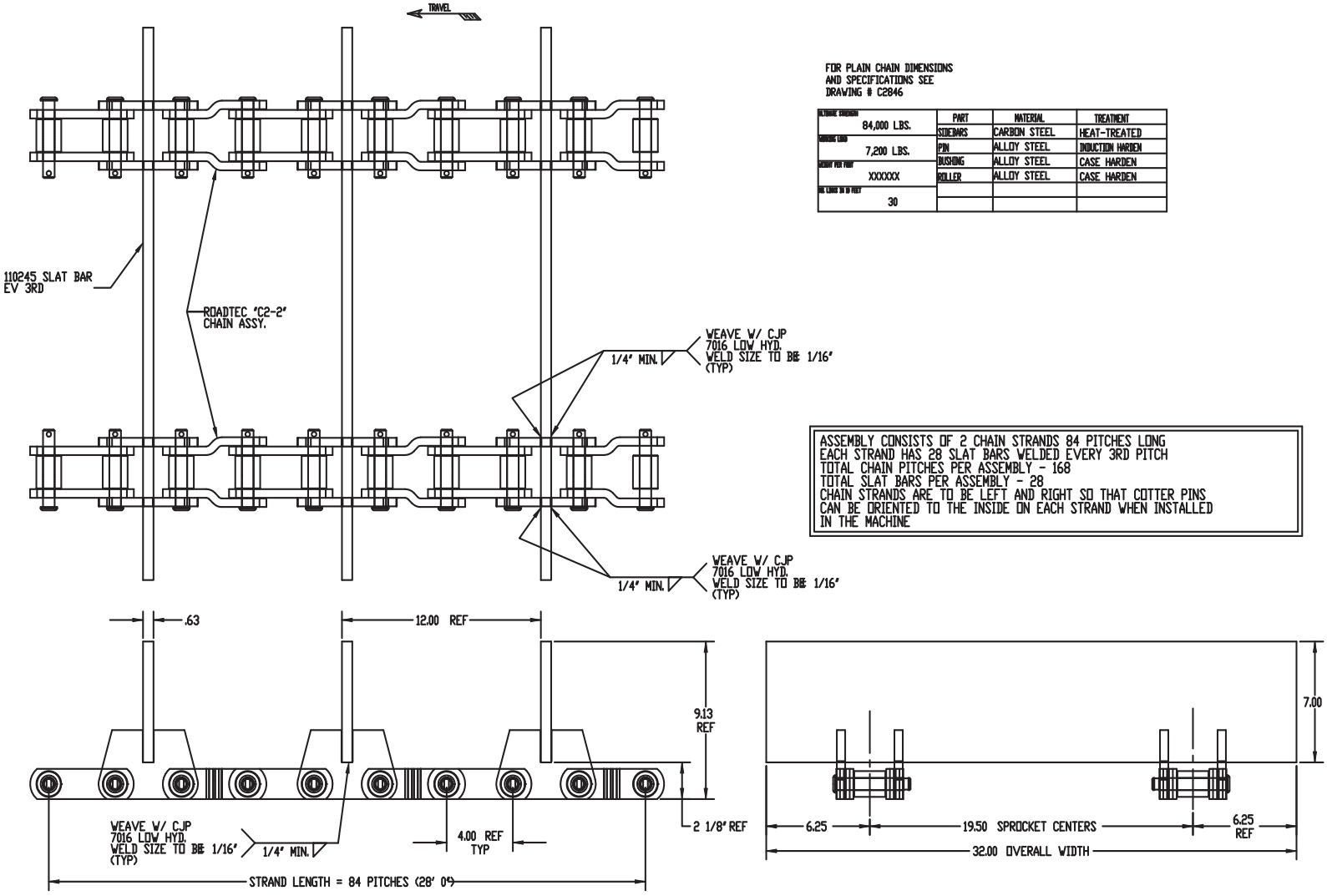
ASSEMBLY-C2 CHAIN & IDLER
(223297-01)



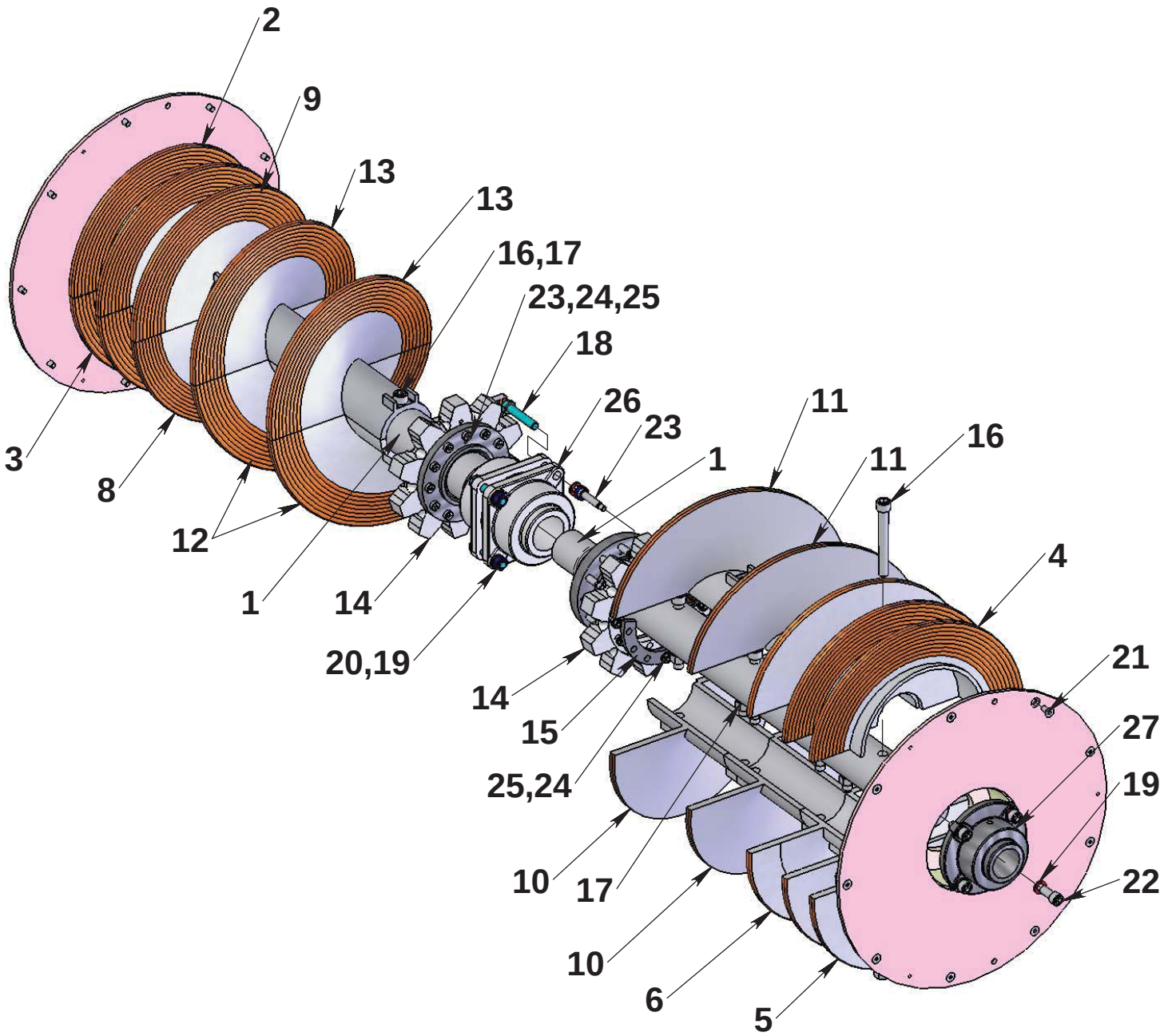
ITEM #	PART #	DESCRIPTION	QTY
1	223338-02	ASSEMBLY-C2 CONVEYOR CHAIN - 2500D	1
2	223418-01	WELDMENT-C2 IDLER SHAFT	2
3	99364-03	BEARING PLATE	2
4	88993-04	BEARING * 4 BOLT FLANGE	4
5	89143	BOLT * HEX 5/8-11 UNC X 1 3/4" LG.	16
6	84717	WASHER ~ LOCK 5/8" SPRING STEEL	16
7	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	8
8	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	8

ASSEMBLY - C2 CHAIN
(223338-02)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	223338-02-C1	CONNECTING PIN	REF
2	223338-02-C2	3-PITCH SECTIONS	REF
3	223338-02-C3	KEEPER PIN	REF
4	223338-02-1	DRAG SLATS	REF
5			



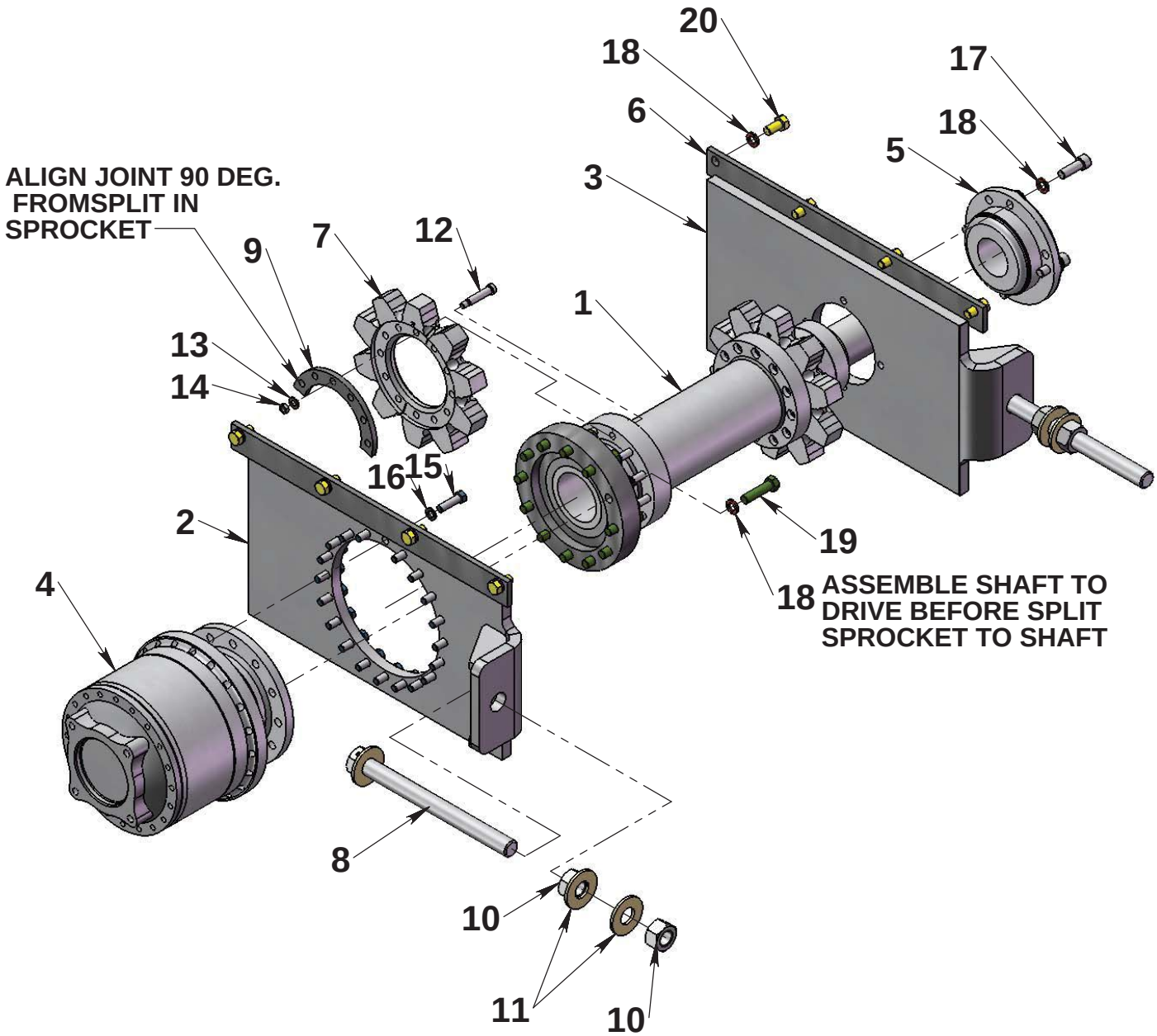
ASSEMBLY - C2 CONVEYOR FOOTSHAFT & AUGER (223296-01)



ASSEMBLY - C2 CONVEYOR FOOTSHAFT & AUGER (223296-01)

ITEM #	PART #	DESCRIPTION	QTY
1	223417-01	WELDMENT-C2 FOOTSHAFT	2
2	218681-01	FLIGHT * 4 3/16" RIGHT PITCH, LEFT SIDE, DUAL HARD	1
3	200320-01	FLIGHT * 4 3/16" RIGHT PITCH, LEFT SIDE	1
4	218680-01	FLIGHT * 4 3/16" LEFT PITCH, RIGHT SIDE, DUAL HARD	1
5	200322-01	FLIGHT * 4 3/16"LEFT PITCH, RIGHT SIDE	1
6	200315-01	FLIGHT * 6 7/8" LEFT PITCH, RIGHT SIDE	1
7	200314-01	FLIGHT * 6 7/8" LEFT PITCH, RIGHT SIDE	1
8	200313-01	FLIGHT * 6 7/8" RIGHT PITCH, LEFT SIDE	1
9	200312-01	FLIGHT * 6 7/8" RIGHT PITCH, LEFT SIDE	1
10	200311-01	FLIGHT * 12"LEFT PITCH, RIGHT SIDE	2
11	200310-01	FLIGHT * 12"LEFT PITCH, RIGHT SIDE	2
12	200309-01	FLIGHT * 12"RIGHT PITCH, LEFT SIDE	2
13	200308-01	FLIGHT * 12" RIGHT PITCH, LEFT SIDE	2
14	223577-02	SPROCKET*C1&C2 FOR LRG ROLLER CHAIN	2
15	223784-04	DETAIL-SPROCKET COVER PLATE	4
16	200318	SCREW * 7/8"-9 X 7" LG. SOC.HD.	12
17	132058-04	NUT * 7/8-9 TOP LOCK GRADE 8	12
18	12K35	BOLT * HEX 3/4"-10 x 4"	4
19	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	12
20	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	4
21	128462	CSK. BOLT * 1/2"-13 X 1 1/4"	18
22	146963	SCREW*HEX 3/4"-10 X 1 3/4" SOC.HD.	8
23	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
24	10D63	WASHER ~ 1/2" HARD A325	24
25	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
26	29M97	BEARING * 3 1/2" PILOTED	2
27	29M98	BEARING, FLANGED 3" 4-BOLT	2
28	220711-01	WLDT-BEARING PLATE	2

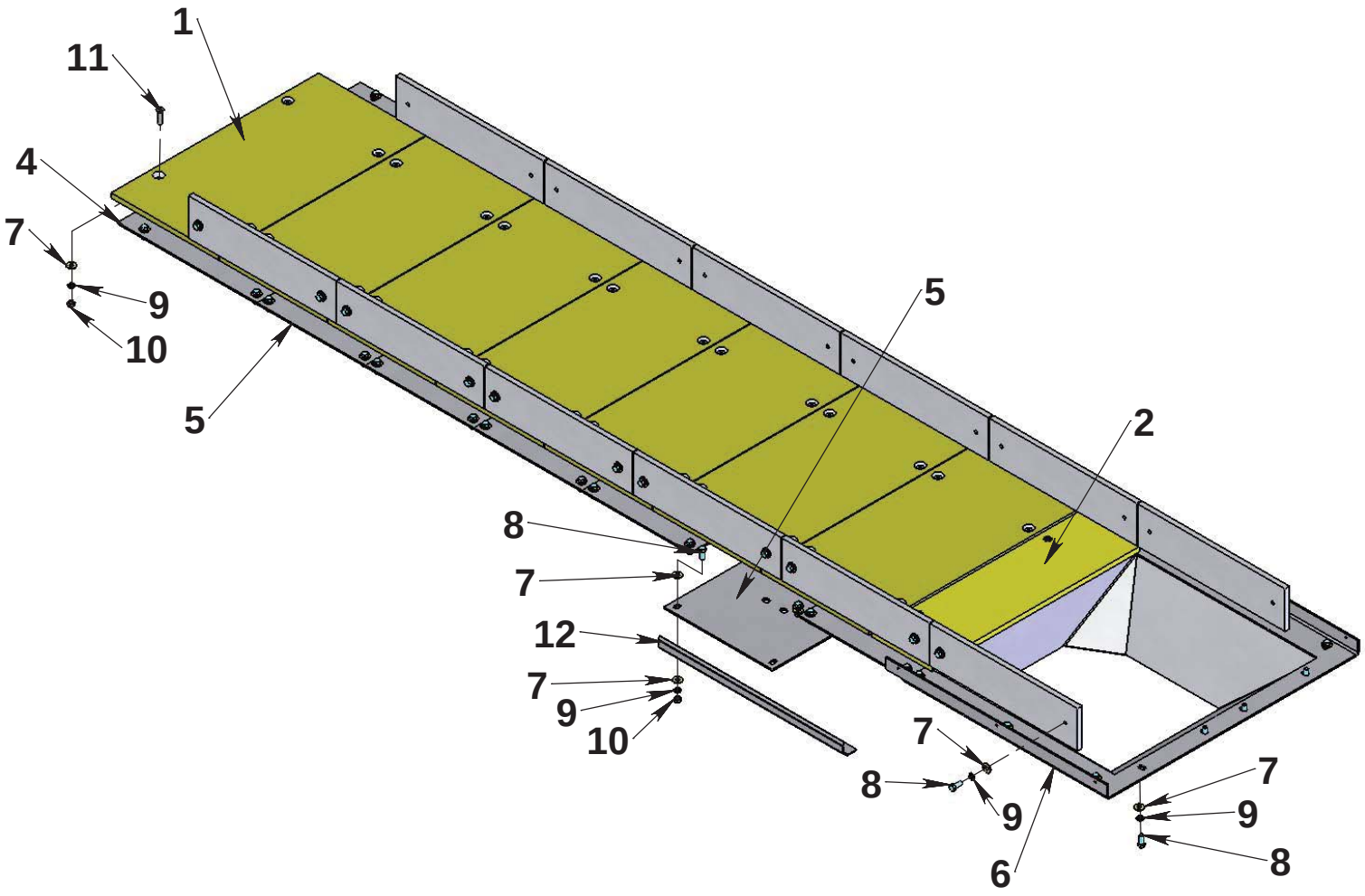
ASSEMBLY-C2 HEADSHAFT & TAKE-UP (223295-01)



ASSEMBLY - C2 HEADSHAFT & TAKE-UP (223295-01)

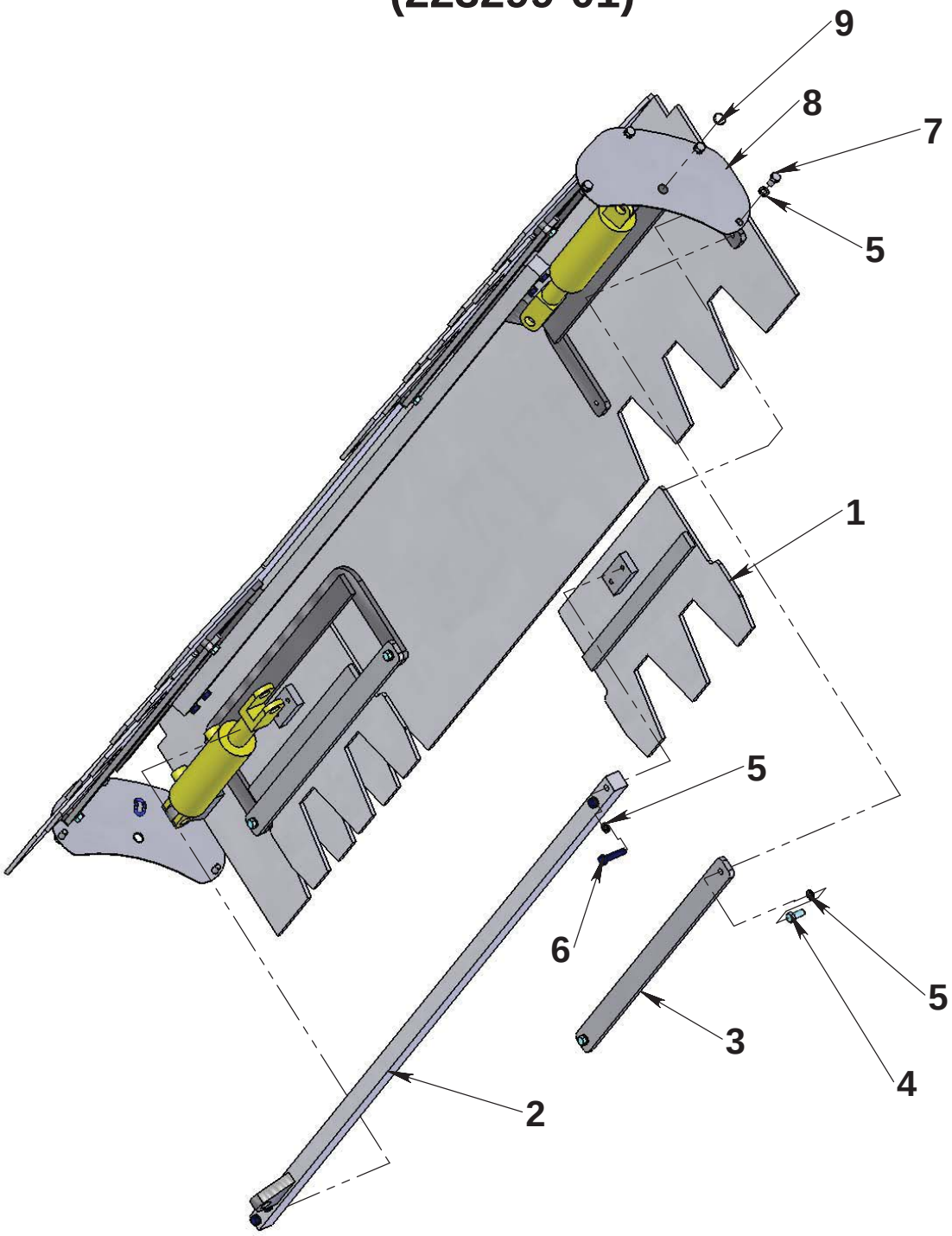
ITEM #	PART #	DESCRIPTION	QTY
1	223326-01	WELDMENT - C2 HEADSHAFT	1
2	200196-01	WELDMENT-LH C2 TAKE-UP	1
3	222777-01	WELDMENT-RH C2 TAKE-UP	1
4	203739-01	TRANS * GEARBOX C2 DRIVE	1
5	97350-04	BEARING * FLANGE	1
6	215750-03	DETAIL-UPPER KEEPER BAR	2
7	223577-02	SPROCKET*C1&C2 FOR LRG ROLLER CHAIN	2
8	99060-04	ASSEMBLY - TAKE-UP SCREW	2
9	223784-04	DETAIL-SPROCKET COVER PLATE	4
10	83031	NUT * 1 1/2"-6 HEX GRADE 8	4
11	83032	WASHER * FLAT 1 1/2" N SERIES	6
12	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
13	10D63	WASHER ~ 1/2" HARD A325	24
14	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
15	93122	BOLT * HEX 5/8"-11 X 2 1/4"	20
16	84717	WASHER ~ LOCK 5/8" SPRING STEEL	20
17	204727-04	CAPSCREW * 3/4"-10 X 2 1/4 S.H.C.S.	4
18	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	24
19	122336	BOLT ~ HEX 3/4"-16 x 3" GR.8	12
20	95932	BOLT * HEX 3/4"-10 X 1 1/2"	8

ASSEMBLY-C2 LINER & BOTTOM PLATE (223298-01)



ITEM #	PART #	DESCRIPTION	QTY
1	223339-03	DETAIL - C2 LINER, NI-HARD	7
2	223341-03	DETAIL - C2 BOTTOM LINER (AR500)	1
3	149877-03	SIDE LINER FOR C-1/C-2	12
4	223342-03	DETAIL - C2 BOTTOM PLATE, AUGER END	1
5	223343-03	DETAIL - C2 BOTTOM PLATE	6
6	223089-01	WELDMENT - C-2 DISCARGE CHUTE	1
7	83781-04	WASHER * FLAT 1/2" STEEL	126
8	86164	BOLT * HEX 1/2"-13 X 1 1/4"	62
9	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	92
10	83288	NUT * 1/2"-13 HEX GRADE 8	64
11	95847	CSK. BOLT * 1/2"-13 X 2"	30
12	120872-03	DETAIL-HOSE PROTECTOR PLATE-2500B	1

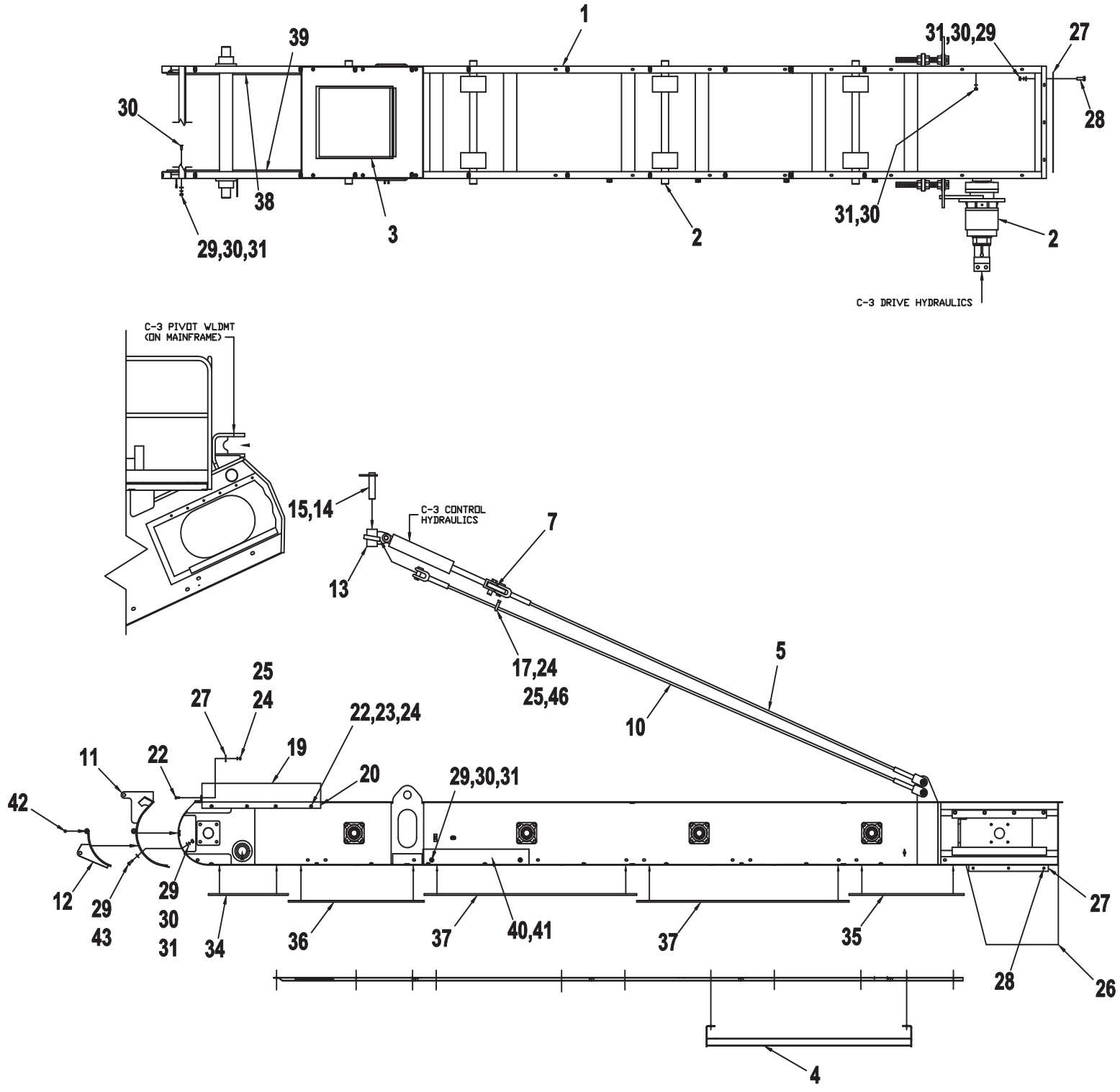
ASSEMBLY - FLOWGATE
(223299-01)



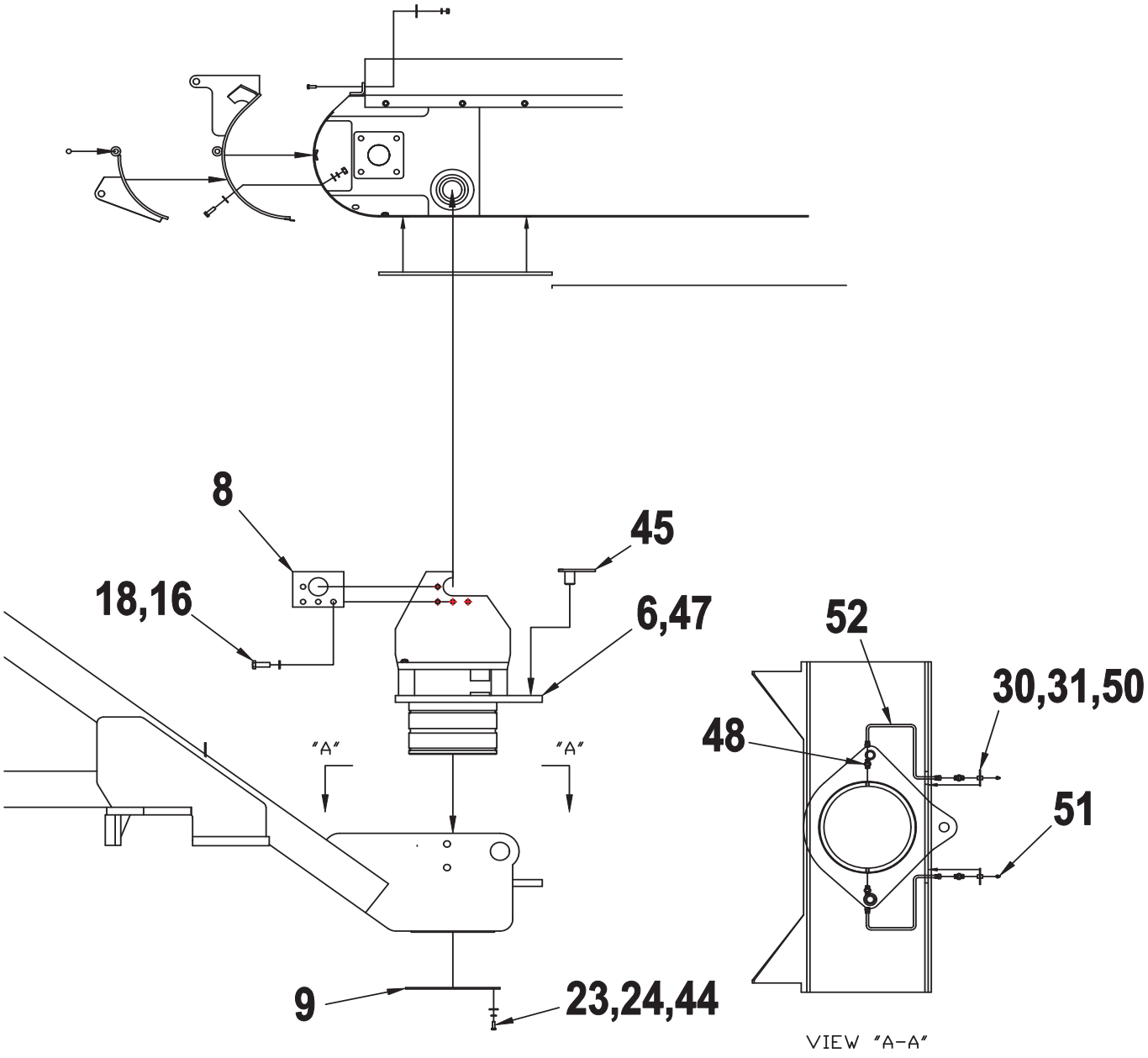
ITEM #	PART #	DESCRIPTION	QTY
1	202751-03	WELDMENT-INNER FLOWGATE	4
2	223282-03	WELDMENT-FLOWGATE TIE ROD-2500D	2
3	200145-03	DETAIL-FLOWGATE RETAINER-2500C	4
4	86164	BOLT * HEX 1/2"-13 X 1 1/4"	8
5	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	24
6	26C56	BOLT ~ HEX 1/2"-13 X 2 1/4"	8
7	83754	BOLT * HEX 1/2"-13 X 1"	8
8	202514-03	DETAIL-FLOWGATE ACCESS COVER	2
9	138409-04	HOLE PLUG - 7/8 DIA	2

C-3 CONVEYOR ASSEMBLY
(223787-01)

NEXT PAGE



C-3 CONVEYOR ASSEMBLY
(223787-01)



C-3 CONVEYOR ASSEMBLY
(223787-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	222694-01	C-3 CONVEYOR WELDMENT	1
2	223788-01	C-3 CHAIN & IDLER SUB-ASSEMBLY	1
3	214493-01	C-3 TOP COVER SUB-ASSEMBLY (INC FUME X)	1
4	214690-01	C-3 INSULATION & TRUCK RAIL SUB-ASSEMBLY	1
5	213523-04	CABLE - C-3 LIFT X 155 3/4"	2
6	222745-01	PIVOT YOKE WELDMENT	1
7	204755-03	C-3 SPREADER BAR	1
8	121890-02	LOCK PLATE	2
9	201178-03	BOTTOM KEEPER PLATE (PIVOT YOKE)	1
10	204779-04	CABLE - C-3 SAFETY X 226"	2
11	222708-03	WELDMENT - END COVER PLATE - 2500B	1
12	128833-01	CLEAN-OUT DOOR WELDMENT	1
13	200188-03	C-3 CONVEYOR LINK WELDMENT	1
14	200527-03	C-3 CONVEYOR LINK PIN WELDMENT	1
15	90565	GREASE FITTING - 1/4 NPT ST	1
16	83752-04	WASHER - 3/4 LOCK (SPRING STEEL)	8
17	90087-04	CHAIN LOOP - BOLT ON	2
18	93723	BOLT - 3/4 - 10 X 2 1/2 HEX GR8	8
19	125193-01	FLASHING (RECEIVING)	1
20	122124-04	FLASHING CLAMP BAR (RECEIVING SIDE)	2
21			
22	83924	BOLT - 3/8 - 16 X 1 1/2 HEX GR8	11
23	83757	WASHER - 3/8 FLAT (STEEL)	14
24	83056	WASHER - 3/8 LOCK (SPRING STEEL)	18
25	83055	NUT - 3/8 - 16 HEX GR8	7
26	218472-01	FLASHING (DISCHARGE)	1
27	218473-04	FLASHING CLAMP BAR (DISCHARGE SIDE)	4
28	93144	BOLT - 1/2 - 13 X 1 1/2 HEX GR8	9
29	83781-04	WASHER - 1/2 FLAT (STEEL)	45
30	83317	WASHER - 1/2 LOCK (SPRING STEEL)	47
31	83288	NUT - 1/2 - 13 HEX GR8	47
32	125232-04	HOSE - 4" FLEX X 240" LG.	1
33	129000	CLAMP - 4 1/2" HOSE (IDEAL #646)	2
34	148641-03	BOTTOM LINER - 27"	1
35	148640-03	BOTTOM LINER - 39"	1
36	148639-03	BOTTOM LINER WELDMENT - 46"	1
37	148638-03	BOTTOM LINER WELDMENT - 72"	2
38	148642-03R	C-3 SIDE LINER (REAR)	1
39	148642-03L	C-3 SIDE LINER (REAR)	1
40	148644-03	C-3 SIDE LINER	12
41	26C72	BOLT - 1/2 - 13 X 1 1/2 CSK GR8	28
42	146845-03	C-3 CLEAN-OUT DOOR PIN WELDMENT	1
43	89142	BOLT - 1/2 - 13 X 1 3/4 HEX GR8	6
44	84332	BOLT - 3/8 - 16 X 1 HEX GR8	3
45	122102-03	PIN - C-3 CONVEYOR SHIPPING PIN WELDMENT	1

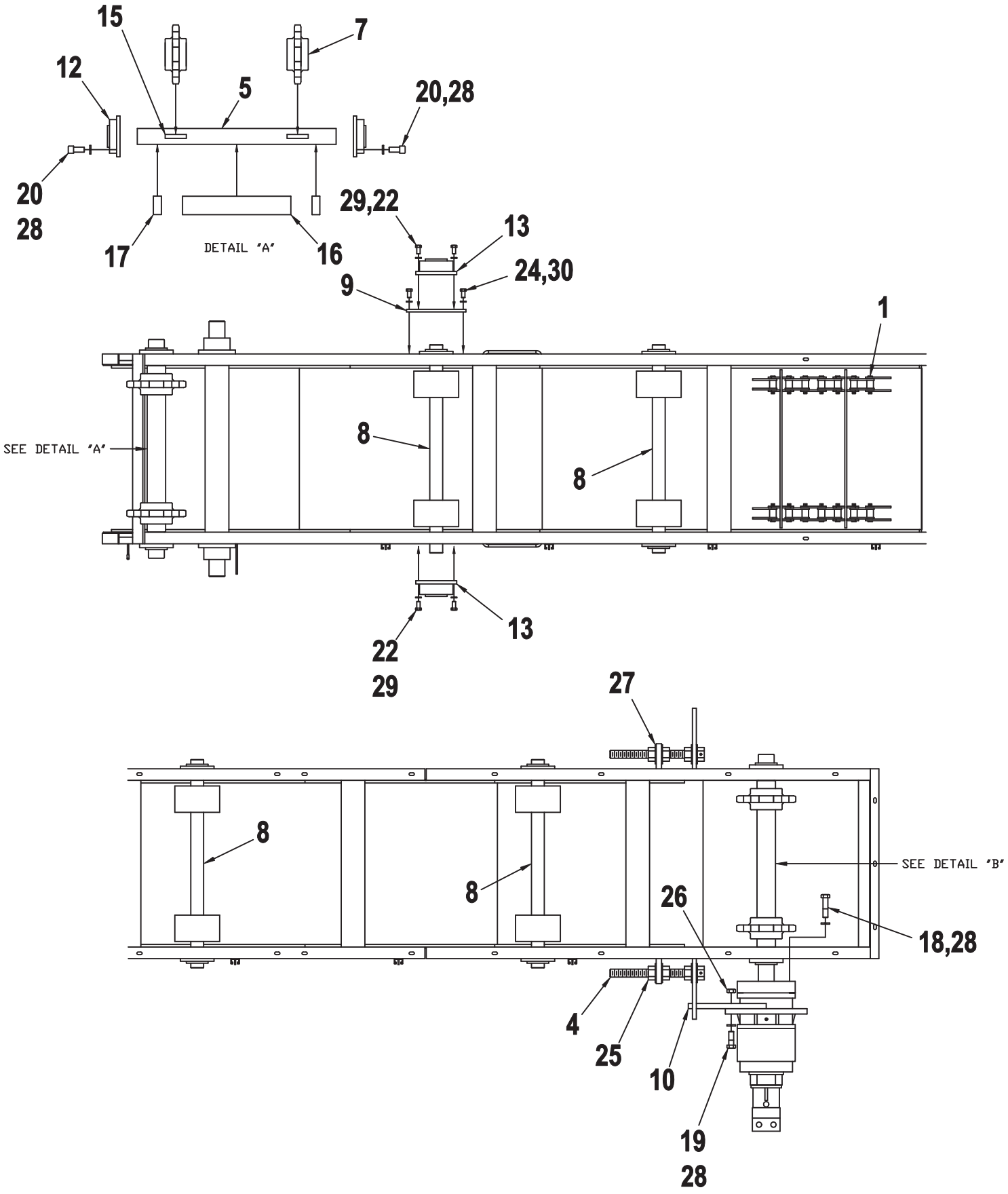
ROADTEC
an Astec Industries Company

C-3 CONVEYOR ASSEMBLY
(223787-01)

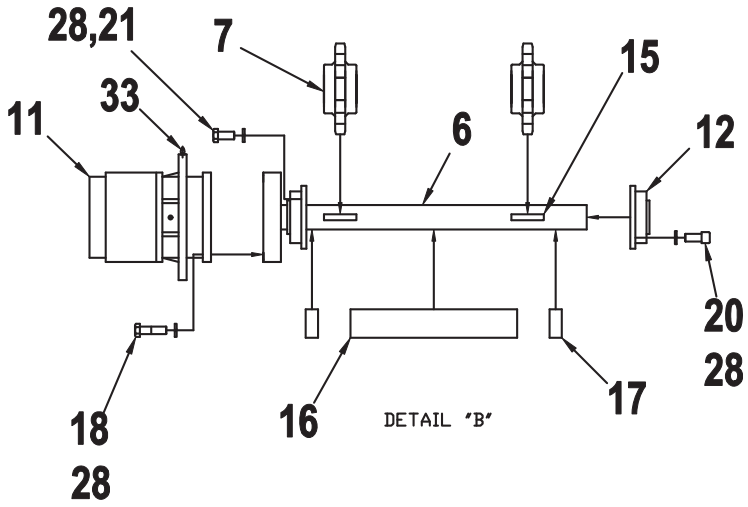
ITEM #	PART NO.	DESCRIPTION	QTY.
46	00883	BOLT - 3/8 - 16 X 2 3/4 HEX GR8	4
47	131017	GREASE FITTING - 1/4 - 28 45"	2
48	83742-04	FIT - 1/8 NPT X 4 JIC ST CONNECTOR	4
49	38885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2
50	205439-03	GREASE LINE BRACKET WELDMENT	2
51	83416	GREASE FITTING - 1/8 NPT ST	2
52	134217-04	*GREASE LINE - 1/4" X 17 1/2" W/ 4 SW'S	REF
53			
54		* GREASE LINES ARE SUPPLIED W/HOSE KIT	

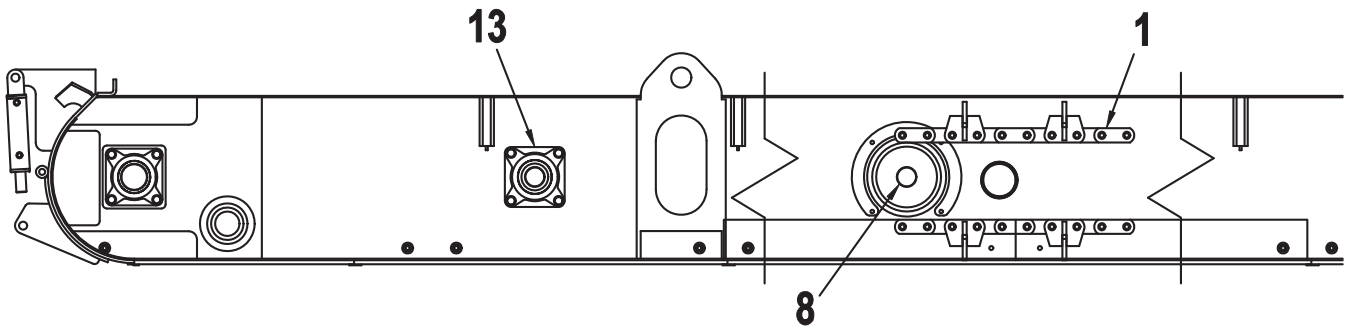
C-3 CHAIN & IDLER ASSEMBLY
(223788-01)

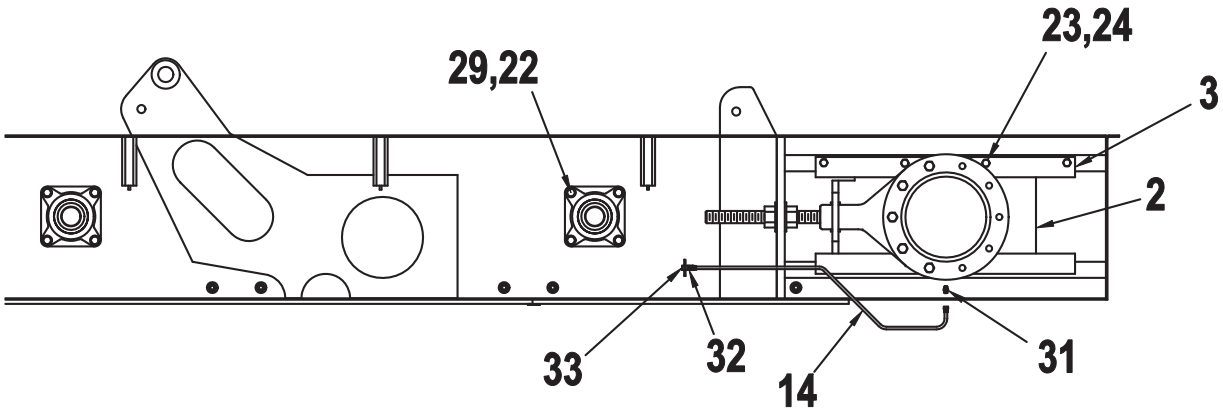
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C-3 CHAIN & IDLER ASSEMBLY
(223788-01)





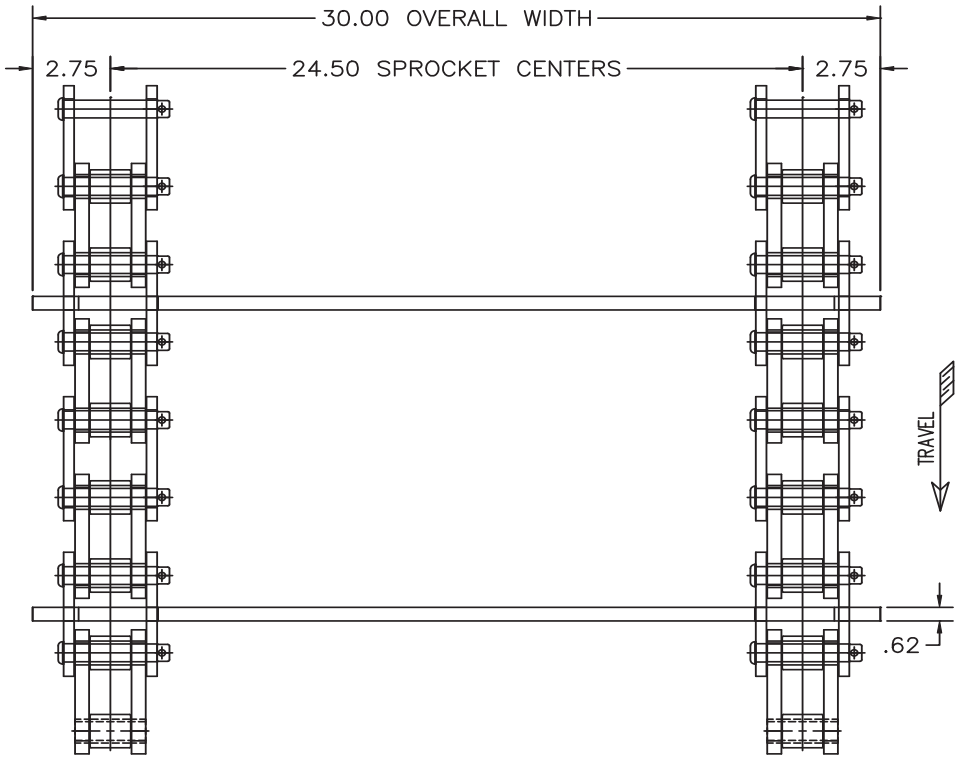


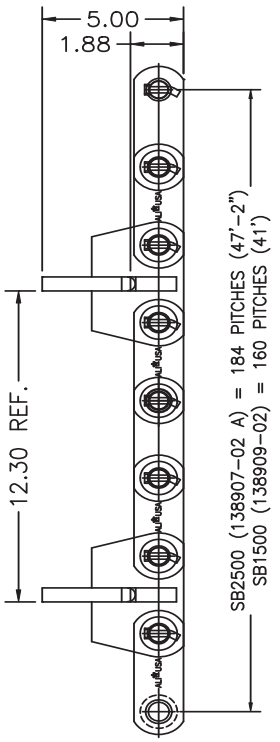
C-3 CHAIN & IDLER SUB-ASSEMBLY
(223788-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	223582-01	ASSEMBLY - C-3 CHAIN SB-2500D	1
2	122406-01	WELDMENT - C-3 TAKE-UP PLATE - 1500/2500	2
3	215750-03	DETAIL - UPPER KEEPER BAR	2
4	99060-04	ASSEMBLY - TAKE-UP SCREW	2
5	99784-03	TAIL SHAFT	1
6	99779-01	C-3 HEAD SHAFT WELDMENT & MACHINING	1
7	223578-03	SPROCKET - C-3 FOR LARGE ROLLER CHAIN	4
8	146687-01	WELDMENT - C-3 IDLER - SB-1500B	4
9	99364-03	BEARING PLATE	4
10	99778-03	ADJUSTMENT ARM	1
11	29E38	PLANETARY SPEED REDUCER	1
12	29G14	BEARING - FLANGED BLOCK 2000 SERIES	4
13	88993-04	BEARING - 4 BOLT FLANGE	8
14	123168-01-48	KEYSTOCK, 3/4" 4" LG, CD-1018	4
15	223788-01-16	PIPE - 3" SCH. 40, 20 7/16" LG, A53	2
16	223788-01-17	PIPE - 3" SCH. 40, 1 1/2" LG, A53	4
17	133348	BOLT - HEX 3/4 - 16 X 3 1/2 GR8	8
18	89151	BOLT - HEX 3/4" - 10 X 3"	5
19	93212	SCREW - 3/4" - 10 X 2" SOC. HD.	12
20	93071	BOLT - HEX 3/4" - 10 X 2" LG.	4
21	89143	BOLT - HEX 5/8" - 11 UNC X 1 3/4"	32
22	95932	BOLT - HEX 3/4" - 10 X 1 1/2"	8
23	89142	BOLT - HEX 1/2" - 13 UNC X 1 3/4"	16
24	83031	NUT - 1 1/2" - 6 HEX GR8	6
25	95938	NUT - JAM 3/4" - 10 UNC GR8	5
26	83032	WASHER - FLAT 1 1/2" N SERIES	8
27	83752-04	WASHER - LOCK 3/4" SPRING STEEL	37
28	84717	WASHER - LOCK 5/8" SPRING STEEL	32
29	83317	WASHER - LOCK 1/2" SPRING STEEL GR8	16
30	99509	FIT - 4 JIC M X 1/8" NPT M 45 DEG	2
31	83742-04	FIT - CONNECTOR 4 JIC - 1/8" NPT M.	2
32	83416	GREASE - NIPPLE 1/8" NPT	1

ASSEMBLY - C3 CHAIN
(223582-02)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	223582-02-C1	CONNECTING PIN	REF
2	223582-02-C2	4-PITCH SECTIONS	REF
3			

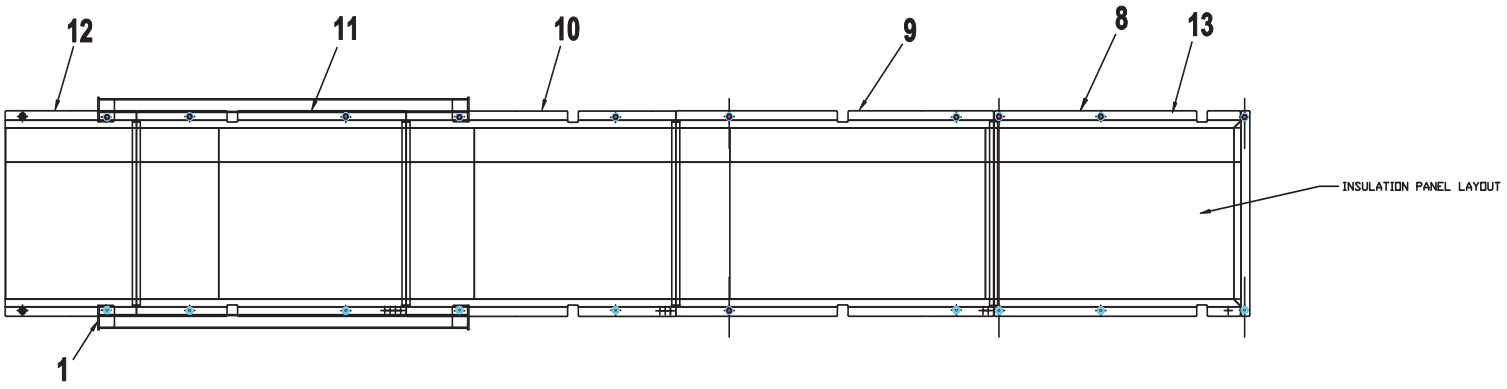


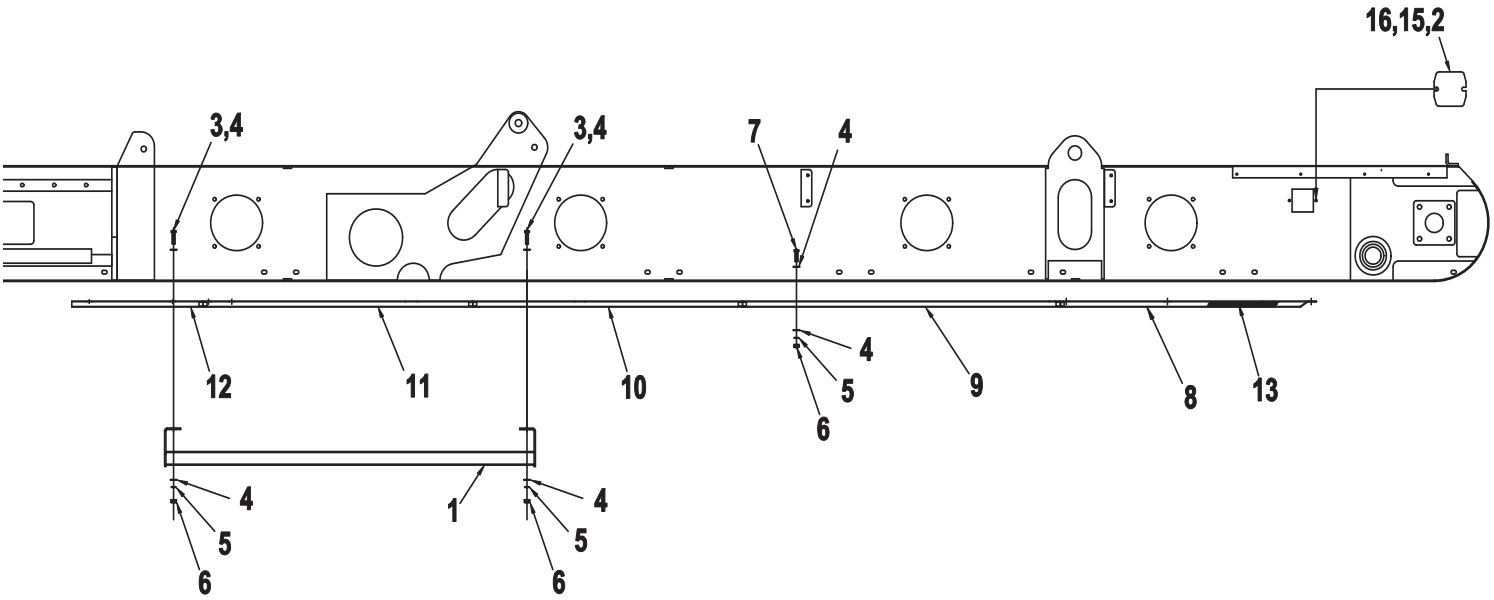


WELD SIZE +0/−1/16"

	PART	MATERIAL	TREATMENT
ULTIMATE STRENGTH 75,000 LBS.	SIDEBARS	ALLOY STEEL	HEAT−TREATED
WORKING LOAD 5,700 LBS.	PIN	ALLOY STEEL	INDUCTION HARDEN
WEIGHT PER FOOT 10.6 LBS.	BUSHING	ALLOY STEEL	CASE HARDEN
NO. LINKS IN 10 FEET 39	ROLLER	ALLOY STEEL	CASE HARDEN

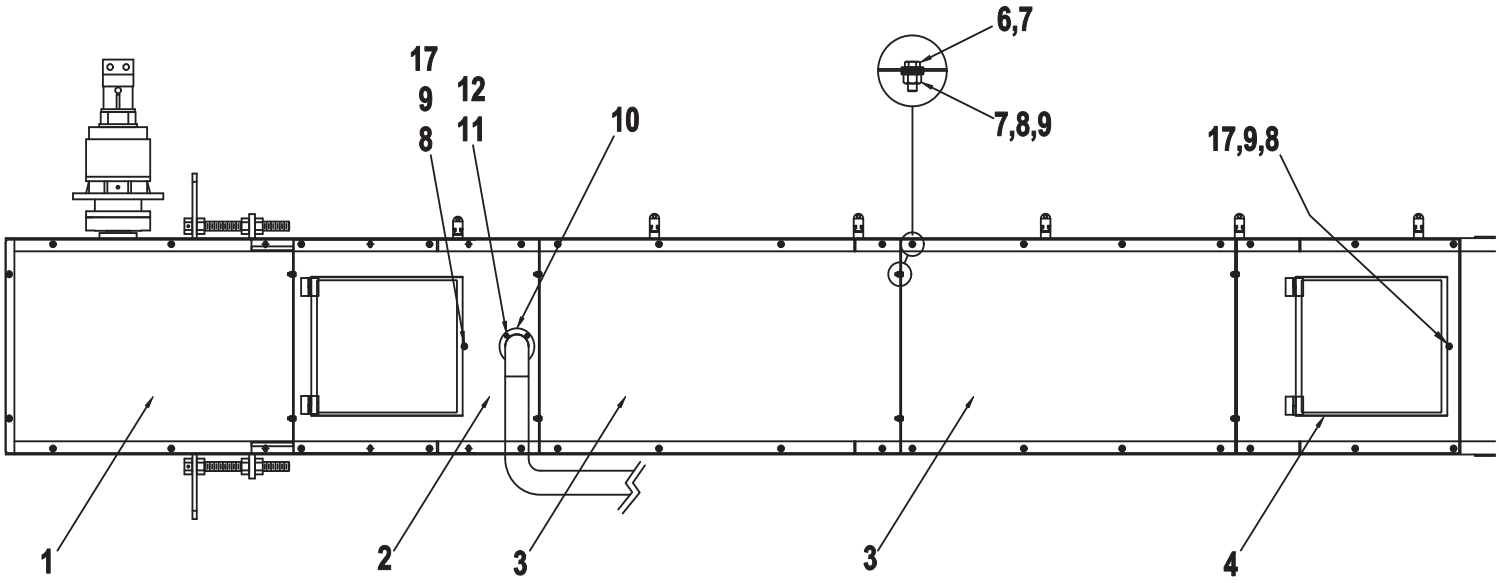
C-3 INSULATION PANEL & TRUCK RAIL
(214690-01)

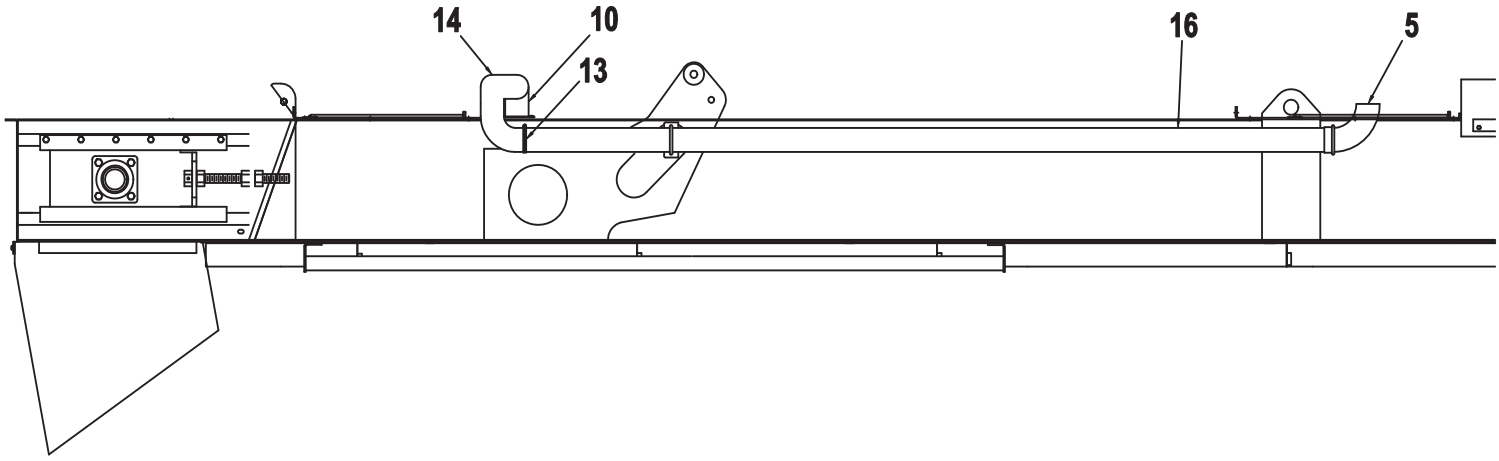




REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	212605-01	C3 GUARD RAILS (SP-200)	2
2	129384-03	CHAIN INSPECTION PLATE	1
3	84674	HEX BOLT - 1/2-13 X 2" GR8	4
4	83781-04	FLAT WASHER - 1/2" STEEL	40
5	83317	LOCK WASHER - 1/2" SPRING STEEL	20
6	83288	HEX NUT - 1/2-13 GR8	20
7	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	16
8	212606-01	INSULATION COVER WLDMT.	1
9	212607-01	INSULATION COVER WLDMT.	1
10	212608-01	INSULATION COVER WLDMT.	1
11	212609-01	INSULATION COVER WLDMT.	1
12	212610-01	INSULATION COVER WLDMT.	1
13	212611-02	INSULATION KIT C3 CONVEYOR SB-2500C	3
14	133842	SELF-TAPPING SCREW - 1/4X 1/2" LG	8
15	83757	FLAT WASHER - 3/8" STEEL	2
16	129027	WING NUT - 3/8-16	2

C-3 TOP COVER W/ FUME-EX ASSEMBLY
(214493-01)



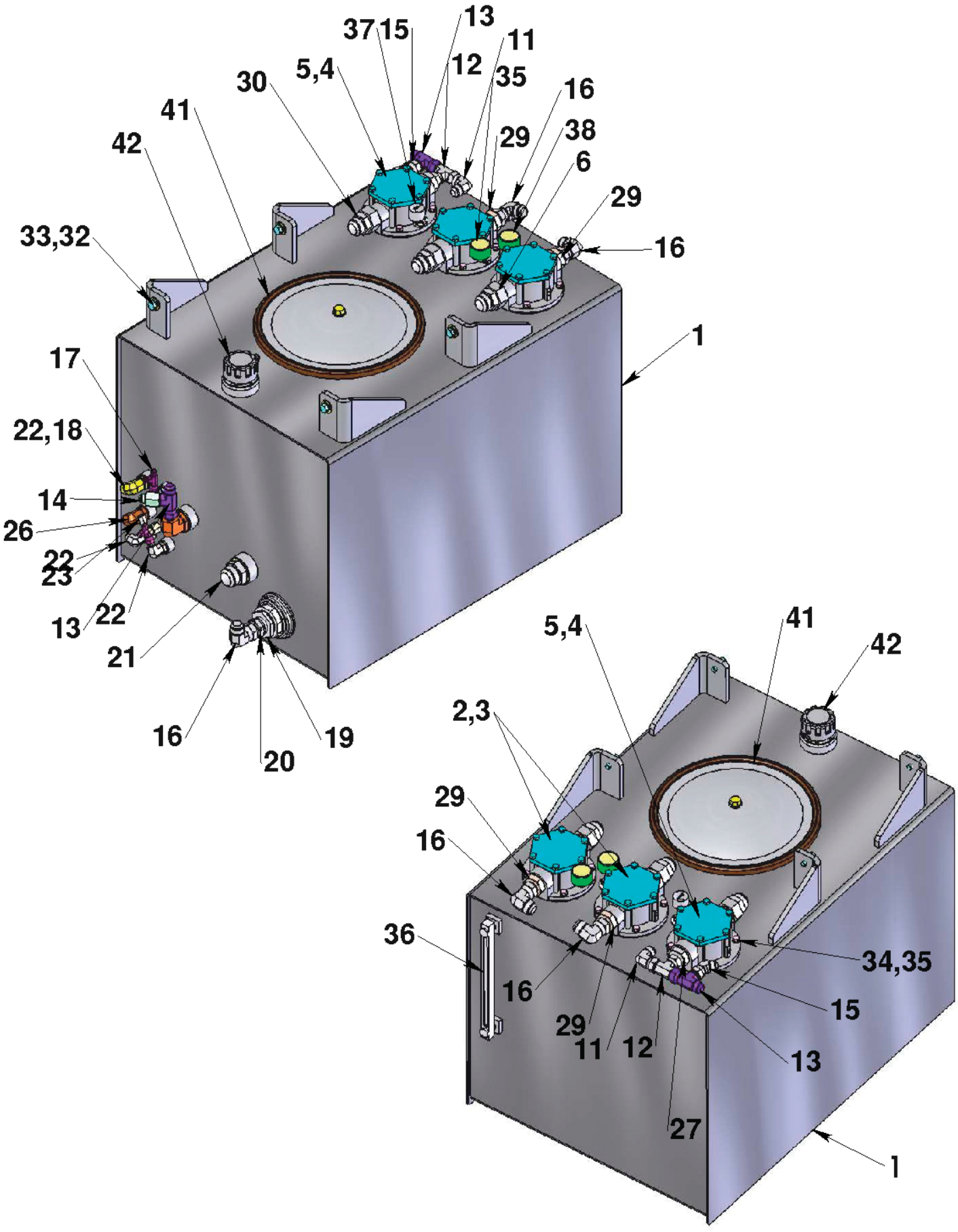


SECTION 5 : HYDRAULICS

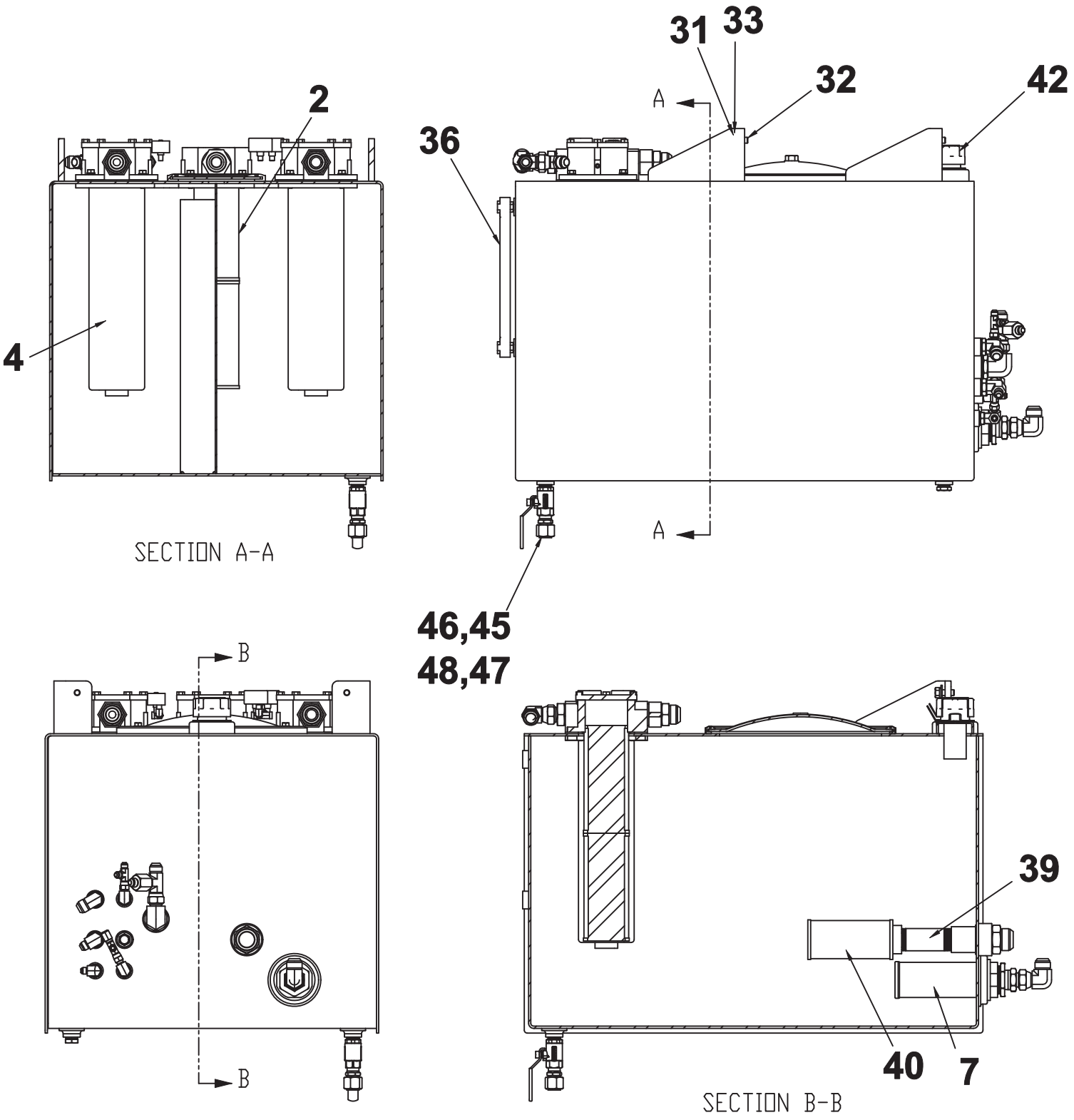
ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	217413-01	876 & UP	5.1
HOUSING.- DOUBLE ELEMENT FILTER	29G38		5.4
HOUSING - 2 ELEMENT FILTER W/ BY-PASS	29G37		5.5
AUXILIARY PUMP	217839-01		5.7
BRAKE (ROCKWELL AXLES)	214988-01	824 & UP	5.9
BRAKE ACCUMULATOR	202729-03		5.12
R.H. BRAKE ACTUATOR	202728-03		5.13
L.H. BRAKE ACTUATOR	202727-03		5.15
BRAKE MANIFOLD	214884-03		5.17
FUME CONTROL	214930-02		5.19
FUME CNTL. MANIFOLD	214887-03		5.21
C-1 CONVEYOR DRIVE	211351-01	761 & UP	5.23
C-1 HOPPER	214928-01	824 & UP	5.27
C-1 HOPPER CONTROL MANIFOLD	214888-02		5.29
C-1 RAISE / LOWER	214929-01	824 & UP	5.31
C-1 RAISE/LOWER MANIFOLD	214885-01		5.34
C-1 HYD. PUSH ROLLER	209080-01	722 & UP	5.35
PUSH ROLLER MANIFOLD	209079-02		5.37
C-2 CONVEYOR DRIVE	149543-01		5.39
C-2 HOPPER CLEAN OUT	216513-01		5.43
C-3 CONVEYOR DRIVE	145972-01		5.45
C-3 CONTROL	214925-01	824 & UP	5.47
C-3 CNTL. MANIFOLD	214886-02		5.51
FLOWGATE	214927-01		5.53
FLOWGATE CNTL. MANIFOLD	214889-02		5.56
HOOD RAISE	204266-01		5.57
DRIVE (PROPEL)	221115-01	926 & UP	5.59
STEERING	149416-01		5.63
DIFF. LOCK VALVE	221111-02		5.65
HAND PUMP / PILOT VALVE MANIFOLD	202291-03		5.67
HYDRAULIC CHANNEL	217053-01	860 & UP	5.69
SPEED CHART	216928-01		
HOSE LIST	223112-04		
SCHEMATIC	226875-01	1039-1043	
SCHEMATIC	221134-01	930-1038	

ASSEMBLY- HYDRAULIC TANK
(217413-01)

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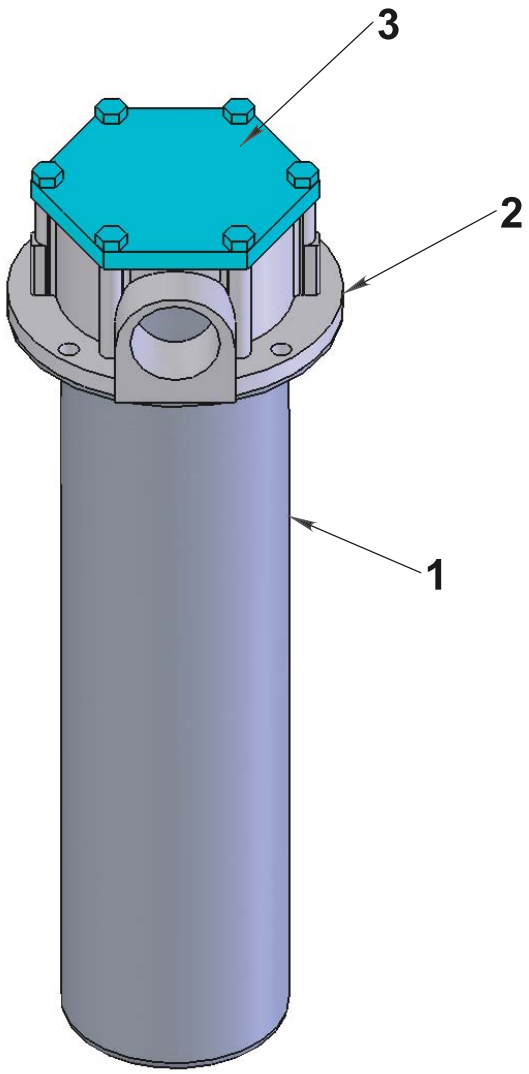
SB-2500D HYDRAULIC TANK ASSEMBLY
(217413-01)



HYDRAULIC TANK ASSEMBLY
(217413-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	217335-01	WELDMENT - HYDRAULIC TANK	1
2	29G40	FILTER - ELEMENT 10 MICRON	4
3	29G38	FILTER - HOUSING DOUBLE ELEMENT	2
4	29G37	FILTER - HOUSING 2 ELEMENT W/BYPASS	1
5	137269-04	FILTER - ELEMENT 3 MICRON NOMINAL	2
6	28G05	FIT - ST. ADAPTOR 24 SAEM X 20 SAEF	3
7	89013-04	FILTER - TANK STRAINER 100	1
8	80591	NIPPLE - CLOSE 1 1/4"	1
9	92144	PLUMB - STREET ELBOW 90° 1 1/4" NPT	1
10	97032	PIPE PLUG - 3/4" NPT HEX HEAD	1
11	83764-04	FIT - ELBOW 12 JIC M 90 FM SWIVEL	1
12	89898-04	FIT - BRANCH TEE 12 JIC SWIVEL	1
13	84402-04	FIT - SWIVEL RUN TEE 12 JIC	2
14	83456-04	FIT - ADAPTOR 12 JIC F X 8 JIC REDUCER	1
15	90952-04	FIT - ELBOW 12 JIC 45 DEG. SWIVEL	1
16	84654-04	FIT - SWIVEL ELBOW 16 JIC 90 STEEL	3
17	84636-04	FIT - SWIVEL RUN TEE 6 JIC	2
18	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	1
19	89600	BUSHING - 2" X 1 1/4" NPT	1
20	89605	FIT - CONNECTOR 6 JIC - 3/8 NPT MALE	1
21	83768-04	FIT - CONNECTOR 24 JIC - 24 SAE M.	1
22	92987	FIT - 6 JIC X 10 SAE 90 DEG.	3
23	85391-04	FIT - CAP 6 JIC	1
24	89616	FIT - 8 JIC X 12 SAE ST. MALE	1
25	83988	FIT - CAP 8 JIC STEEL	1
26	127491	FITTING - 8 JIC - 12 SAE 90	1
27	120671	FIT - 12 JIC X 20 SAE ST.	1
28	23J52	FIT - ELBOW 1/8" NPTM X 1/8 NPTF 90	6
29	84632-04	FIT - CONNECTOR 16 JIC - 20 SAE M.	2
30	84244-04	FIT - CONNECTOR 20 JIC - 20 SAE M.	3
31	83317	WASHER - LOCK 1/2" SPRING STEEL GR.8	4
32	86164	BOLT - HEX 1/2" - 13 X 1 1/4"	4
33	83781-04	WASHER - FLAT 1/2" STEEL	4
34	96476	BOLT - HEX 3/8" - 16 X 1 1/4"	12
35	83056	WASHER - LOCK 3/8" SPRING STEEL	12
36	97412-04	GAUGE - CHANNEL LIQUID LEVEL	1
37	29E61	GAUGE - PRESS. USE W/15 PSI FILTER	1
38	33019	GAUGE - VACUUM (SUCTION FILTER)	2
39	89891-04	PIPE - 1 1/2" SCH 40, 6" LG, A53	1
40	29H27	FILTER - OIL SUMP TYPE 30 GPM	1
41	208510-04	COVER - 16" RESERVOIR	1
42	87237-04	FILLER CAP	1
43	16W28	RETURN LINE DIFFUSER 1 1/4" NPT	1
44	142927	FIT - 12 JIC - 20 SAE 90 DEG. ELBOW	1
45	80250	NIPPLE - CLOSE 3/4"	1
46	92037-04	VALVE - 3/4" APOLLO BALL HAND TYPE	1
47	84002-04	FIT - CONNECTOR 12 JIC - 3/4 NPT M.	1
48	85394-04	FIT - CAP 12 JIC	1

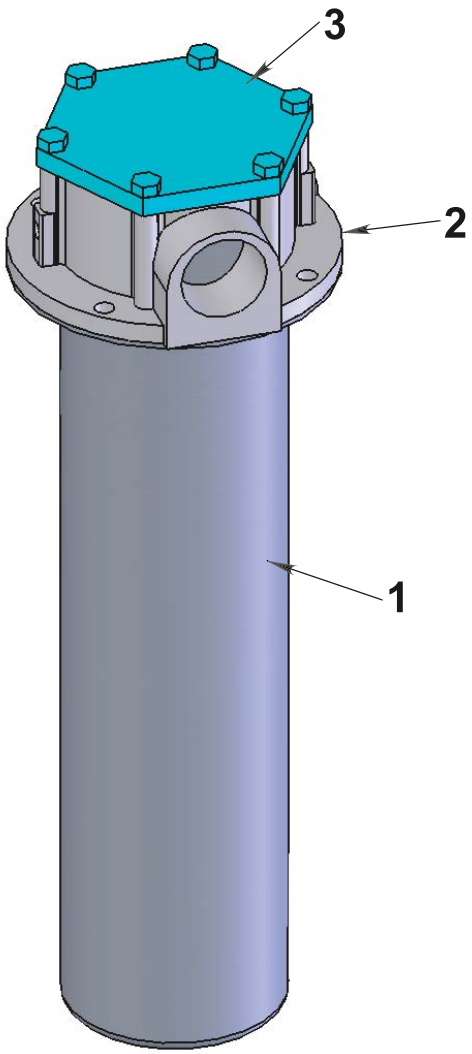
FILTER ~ HOUSING DOUBLE ELEMENT (29g38)



REPLACEMENT ELEMENT: #29G40 10 MICRON

ITEM #	PART #	DESCRIPTION	QTY
1	29g38 bowl	29g38 bowl	1
2	28g38 filter head	28g38 filter head	1
3	29g38 filter head cap	29g38 filter head cap	1

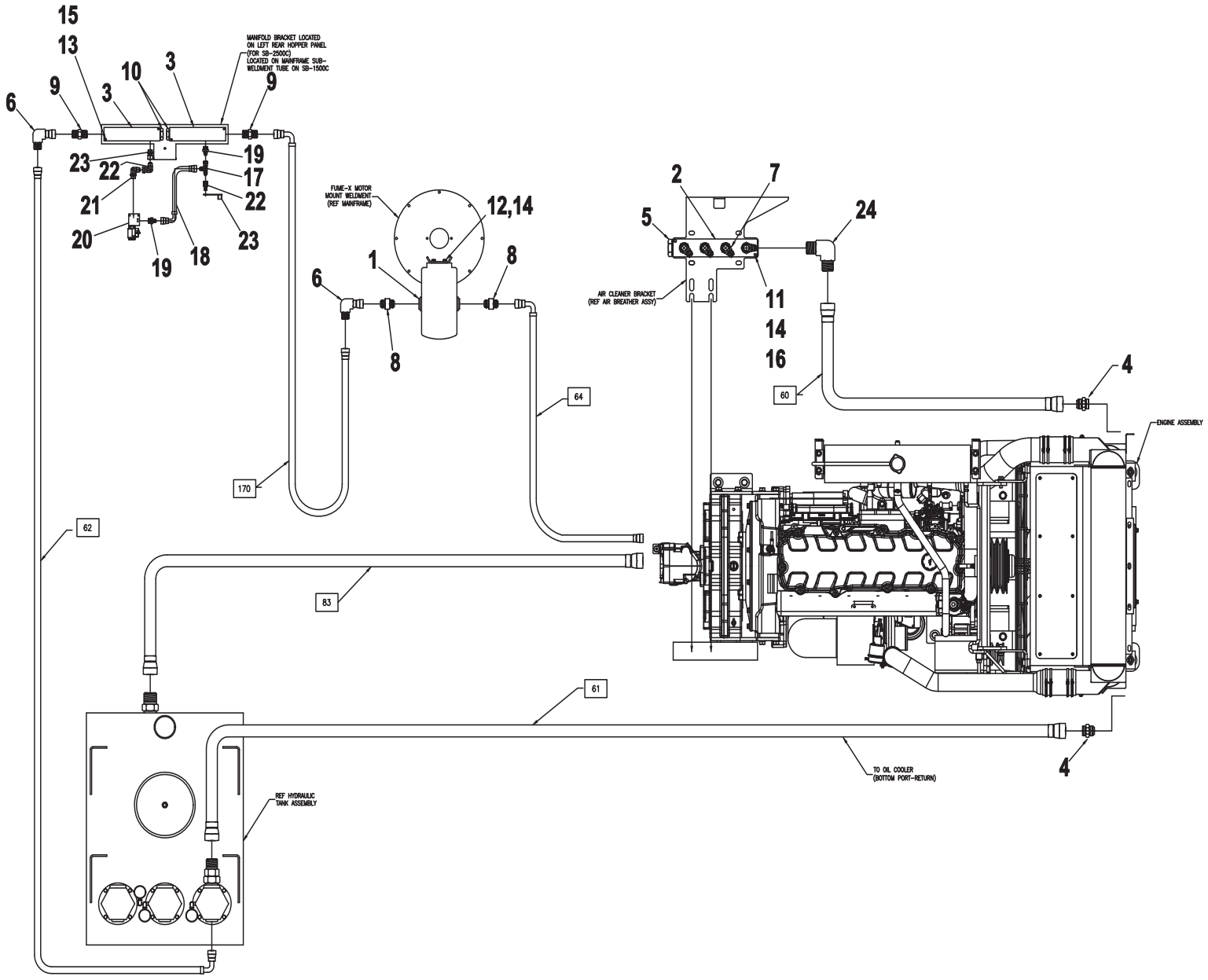
FILTER ~ HOUSING 2 ELEMENT W/BYPASS (29g37)



REPLACEMENT ELEMENT: #137269-04 3 MICRON / RETURN SUCTION

ITEM #	PART #	DESCRIPTION	QTY
1	29g38 bowl	29g38 bowl	1
2	28g38 filter head	28g38 filter head	1
3	29g38 filter head cap	29g38 filter head cap	1
4	84385-04	PLUG 1/8"NPT CSK ALLEN HEAD	1

AUXILIARY PUMP & OIL COOLER HYDRAULICS
(217839-01)

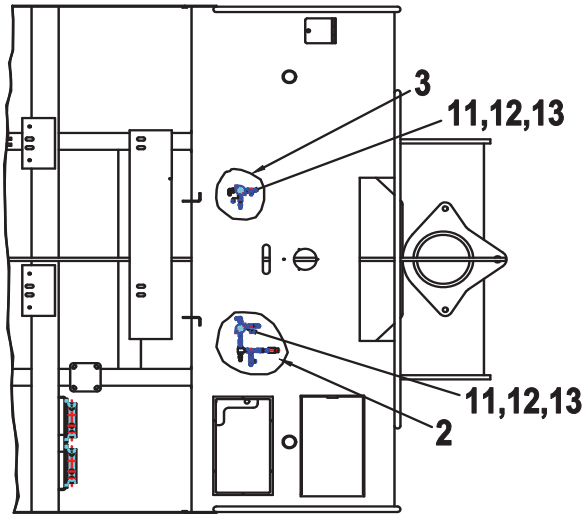


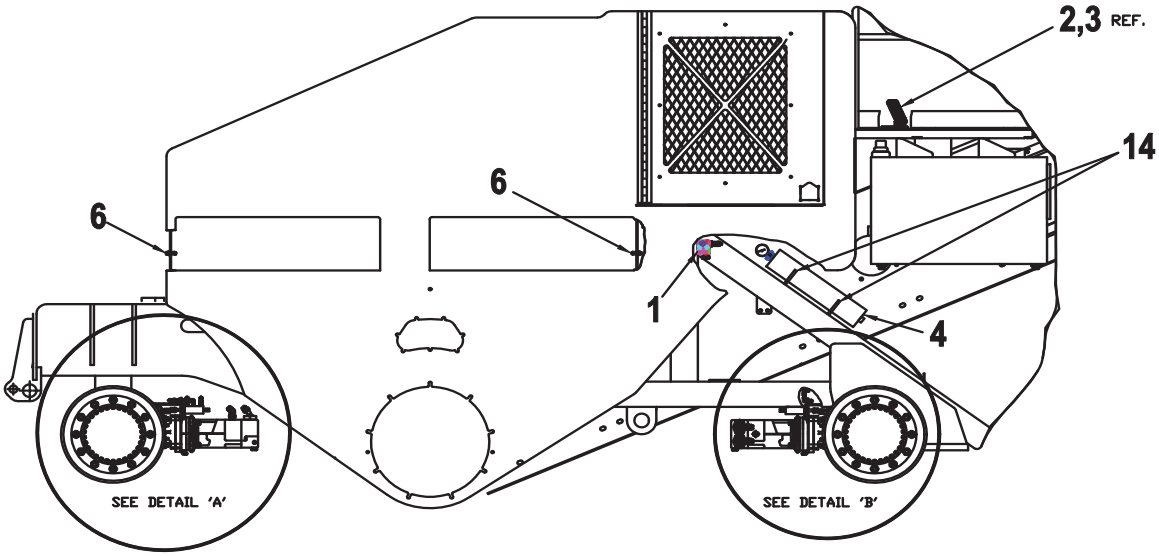
AUXILIARY PUMP & OIL COOLER HYDRAULICS
(217839-01)

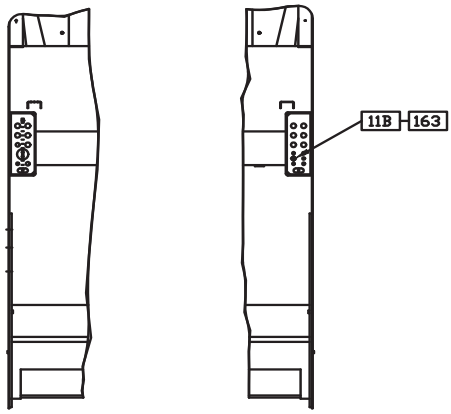
ITEM #	PART NO.	DESCRIPTION	QTY.
1	142799-03	FILTER - HIGH PRESSURE IN-LINE	1
2	206524-03	0 DEG. HEADER MANIFOLD	1
3	206522-03	180 DEG. HEADER MANIFOLD	2
4	97168	FIT - 20 SAE X 20 JIC 90 DEG. ELBOW	2
5	127627	FIT - 20 SAE PLUG	1
6	83764-04	FIT - 12 JIC SW 90 DEG. ELBOW	2
7	85875-04	FIT - 16 SAE X 12 JIC 90 DEG. ELBOW	4
8	120671	FIT - 20 SAE X 12 JIC ST CONNECTOR	2
9	83457-04	FIT - 12 SAE X 12 JIC ST CONNECTOR	2
10	85396-04	FIT - 16 SAE PLUG	2
11	12D09	HEX BOLT - 3/8-16 X 3 3/4" GR8	2
12	142926	HEX BOLT - 3/4-24 X 1" GR8	4
13	130521	HEX BOLT - 1/4-20 X 2 3/4" GR8	REF
14	83056	LOCK WASHER - 3/8" SPRING STEEL	6
15	83065	LOCK WASHER - 1/4" SPRING STEEL	4
16	83055	HEX NUT - 3/8-16 GR8	2
17	84636-04	TEE - # 6 JIC RUN	1
18			2
19	83469-04	FIT - # 8 SAE X # 6 JIC	1
20	212947-03	VALVE - NC POPPET W/ REVERSE FLOW	1
21	83460-04	ELBOW - # 8 SAE X # 8 JIC 90 DEG.	1
22	83732-04	ELBOW - # 8 JIC SWIVEL 90 DEG.	1
23	122168	ADAPTER - # 8 SAE X # JIC FS	1
24	131680-04	FIT - MALE TEST PORT 6 JIC CONNECTOR	1
25	85949-04	FIT - TEST PORT QD CAP 3/8"	1
26	97168	FIT - ELBOW 20 JIC X 20 SAE 90 DEG. ELBOW	1

BRAKE CIRCUIT HYDRAULICS
(214988-01)

NEXT PAGE

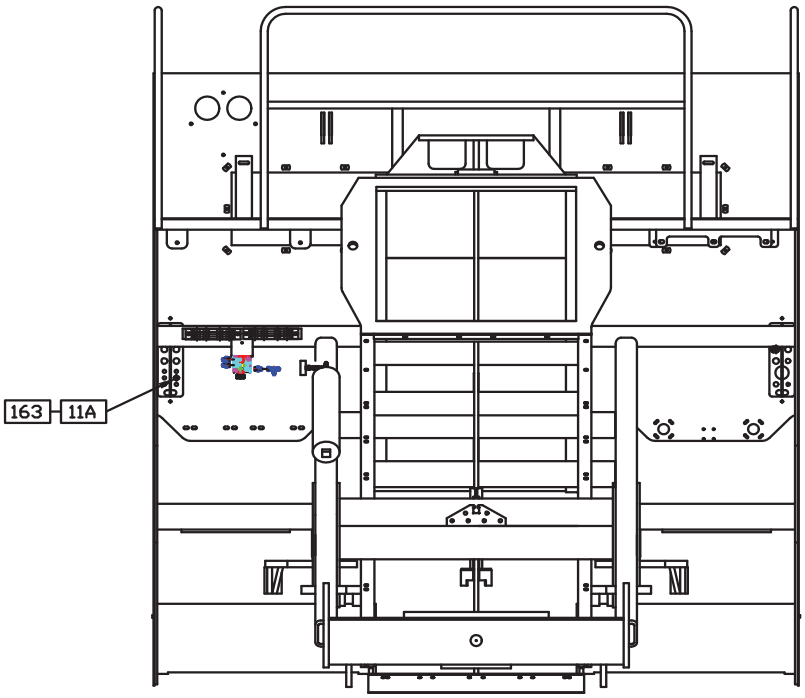




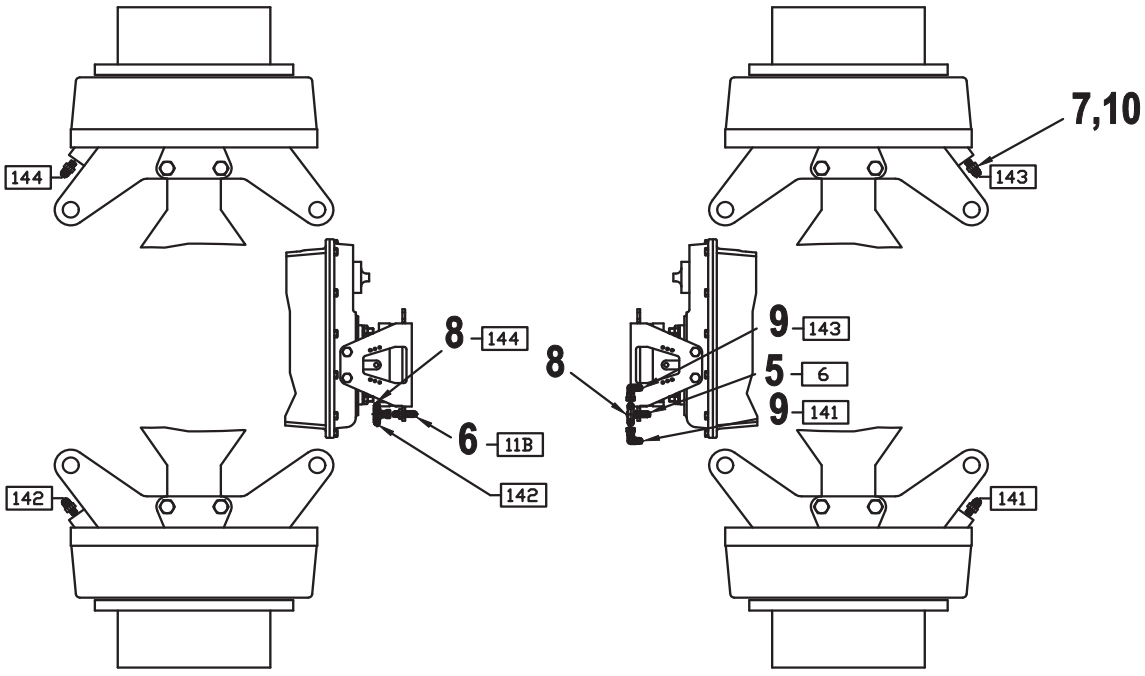




BRAKE CIRCUIT HYDRAULICS
(214988-01)



- ITEM
- HOSE NUMBER
- MANIFOLD PORT



DETAIL 'A'

DETAIL 'B'

BRAKE CIRCUIT HYDRAULICS
(214988-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214884-03	ASSY. - BRAKE MANIFOLD	1
2	202727-03	ASSY. - BRAKE ACTUATOR VALVE (LH)	1
3	202728-03	ASSY. - BRAKE ACTUATOR VALVE (RH)	1
4	202729-03	ASSY. - BRAKE ACCUMULATOR	1
5			
6	85381	FIT - 6 JIC BULKHEAD 90 DEG.	2
7	130259	FIT - BRAKE 1553	4
8	89598	FIT - SWIVEL BRANCH TEE 6 JIC	2
9	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	2
10	N/A	FIT - BRAKE BLEEDER (INCL. W/ AXLE)	4
11	89773	HEX BOLT - 1/4-20 X 1"	6
12	83065	LOCK WASHER - 1/4" SPRING STEEL	6
13	84444	FLAT WASHER - 1/4" STEEL	6
14	89096-04	CLAMP - DONALDSON 5" U-BOLT	2

BRAKE ACCUMULATOR
(202729-03)



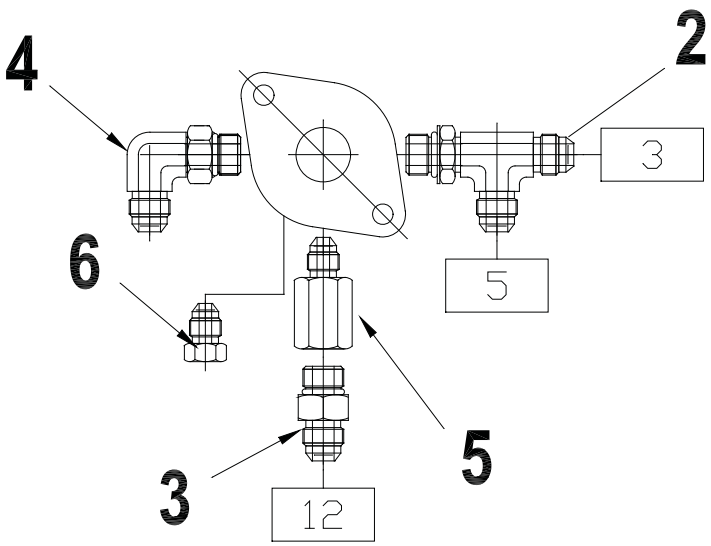
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99389	TANK, TOBUL ACCUMULATOR	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	136299-04	REDUCER, 20 SAE M. X 6 SAE FM. SWIVEL	1
4	86622-04	1/4 NPT M. X 6 JIC FM. SWIVEL	1
5	89059-04	GAUGE 0-3000 PSI U-N-U-GF	1

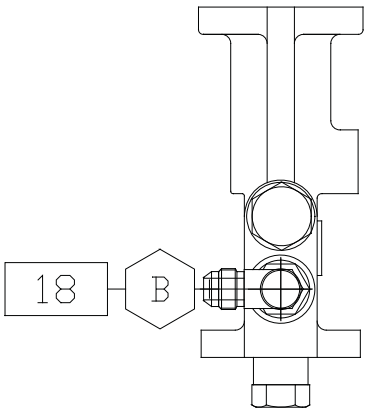
R.H. BRAKE ACTUATOR
(202728-03)

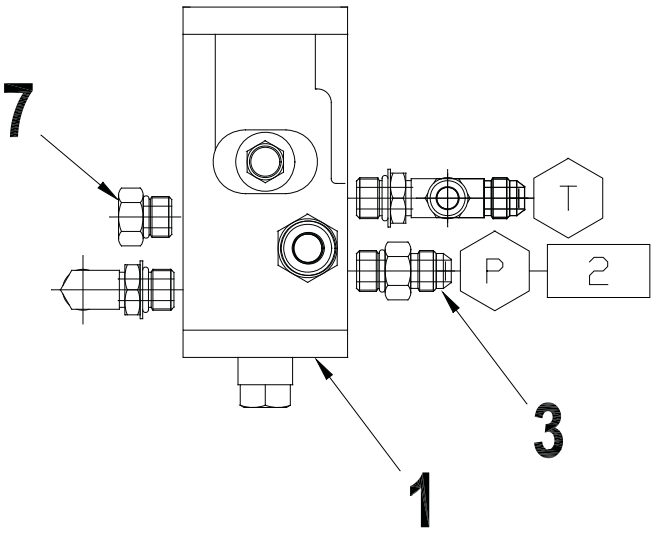
(X) – ITEM

XXX – HOSE NUMBER

(XX) – MANIFOLD PORT



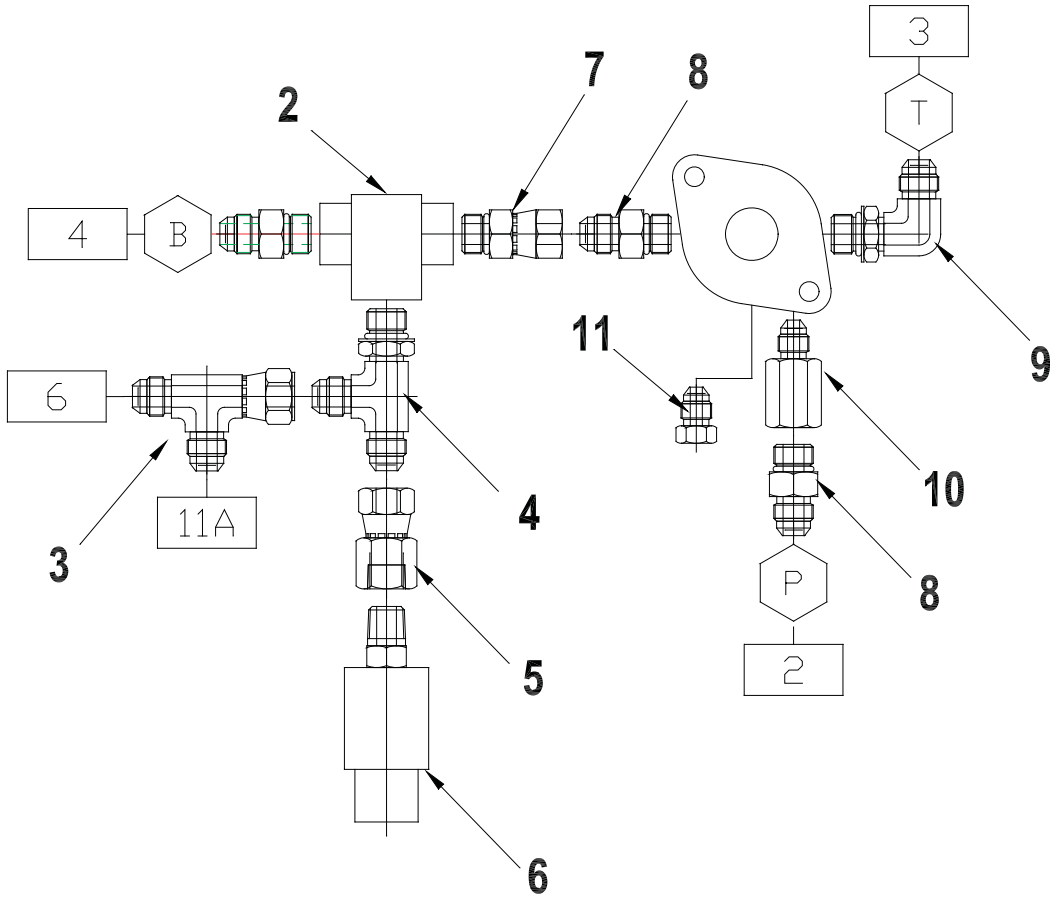




R.H. BRAKE ACTUATOR
(202728-03)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	99365	VALVE - ACTUATOR HYD. POWER BRAKE	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
4	83734-04	6 JIC X 6 SAE 90	1
5	88579-04	ADAPTER - 4 SAE M. 6 SAE	1
6	89897-04	PLUG 4 SAE	1
7	84635-04	PLUG 6 SAE THIN-HEAD	1

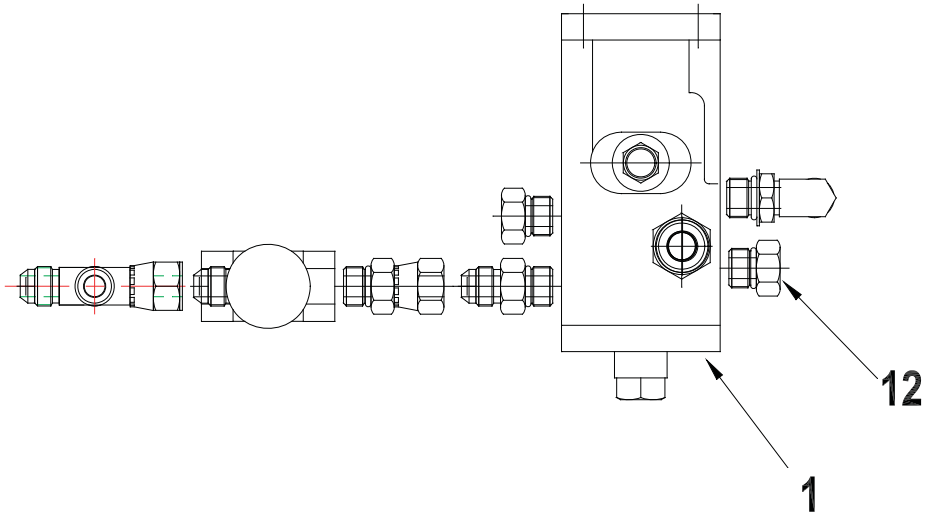
L.H. BRAKE ACTUATOR
(202727-03)



(X) – ITEM

XXX – HOSE NUMBER

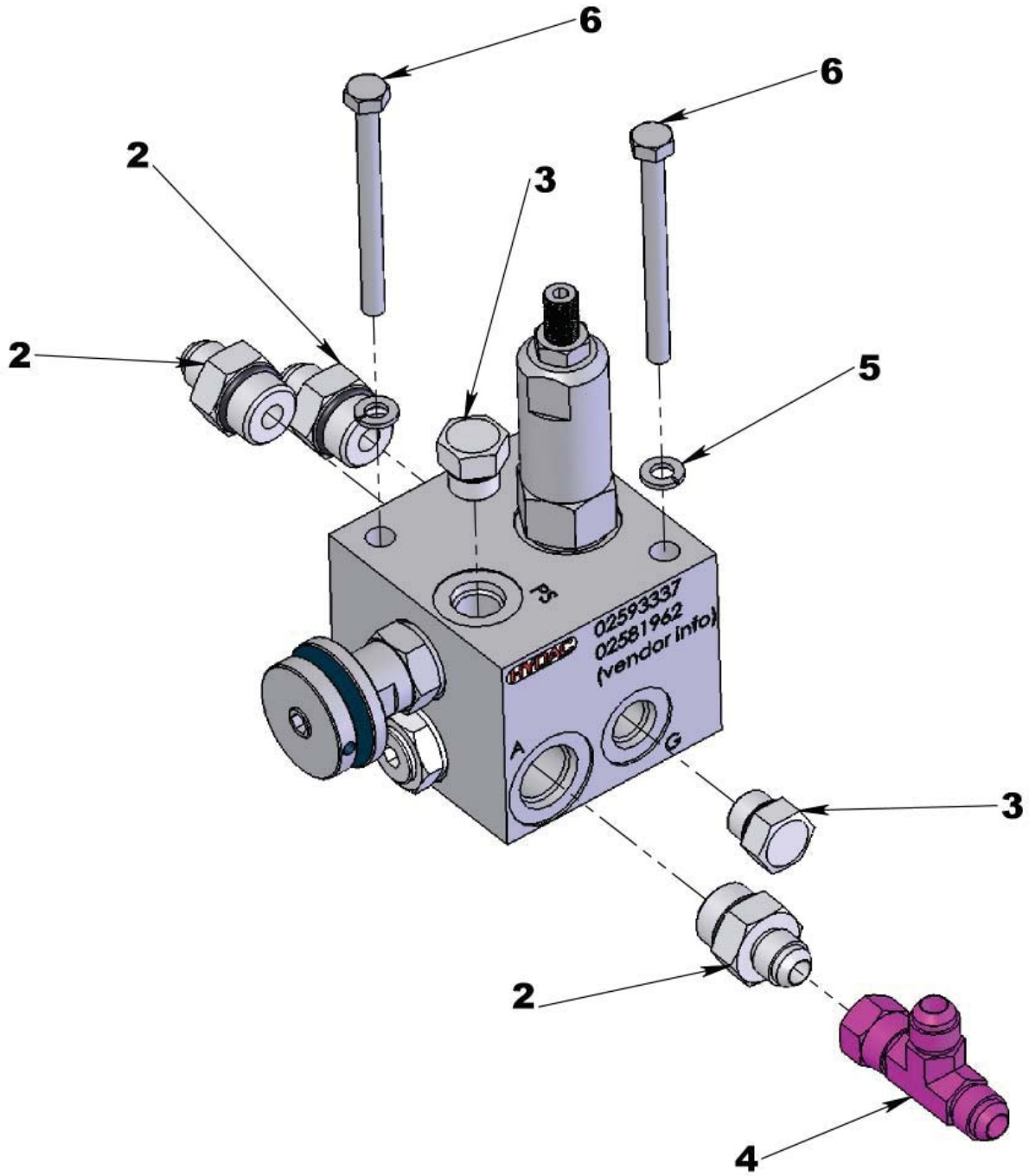
XX – MANIFOLD PORT



L.H. BRAKE ACTUATOR
(202727-03)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	99365	VALVE - ACTUATOR HYD. POWER BRAKE	1
2	136641-04	SHUTTLE VALVE - 6 SAE PORTS	1
3	84636-04	6 JIC SWIVEL RUN TEE	1
4	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
5	132960-04	ADAPTER - 1/4 NPT FM. X 6 JIC FM. SW	1
6	144981-04	SWITCH, PRESSURE SP/ST 50 PSI	1
7	135923-04	6 JIC M. X 6 SAE M. RUN TEE	1
8	83735-04	ADAPTER - 6 JIC X 6 SAE M.	3
9	83734-04	6 JIC X 6 SAE 90	1
10	88579-04	ADAPTER - 4 SAE M. X 6 SAE	1
11	89897-04	PLUG 4 SAE	1
12	84635-04	PLUG 6 SAE THIN-HEAD	2

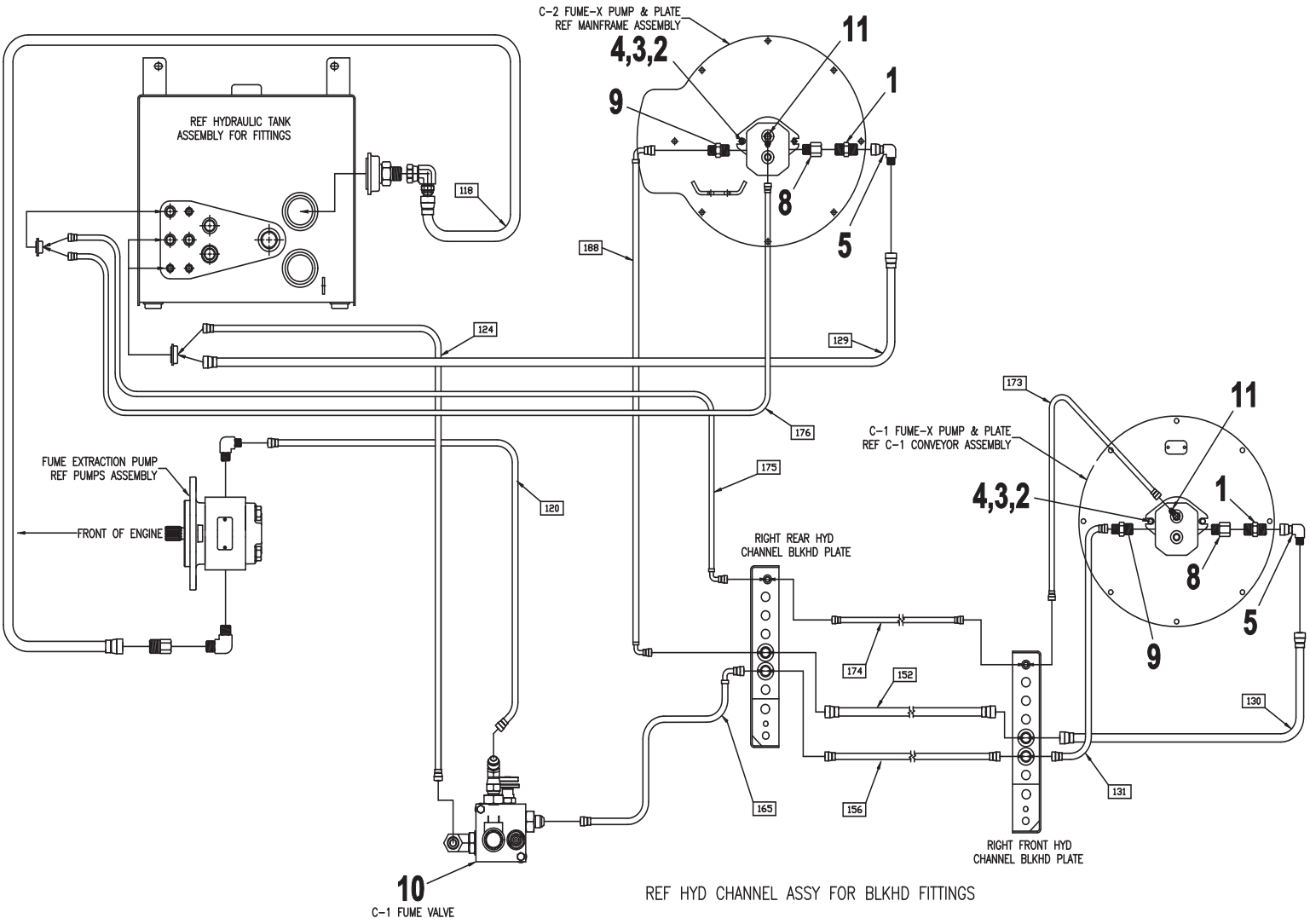
BRAKE MANIFOLD
(214884-03)



BRAKE MANIFOLD
(214884-03)

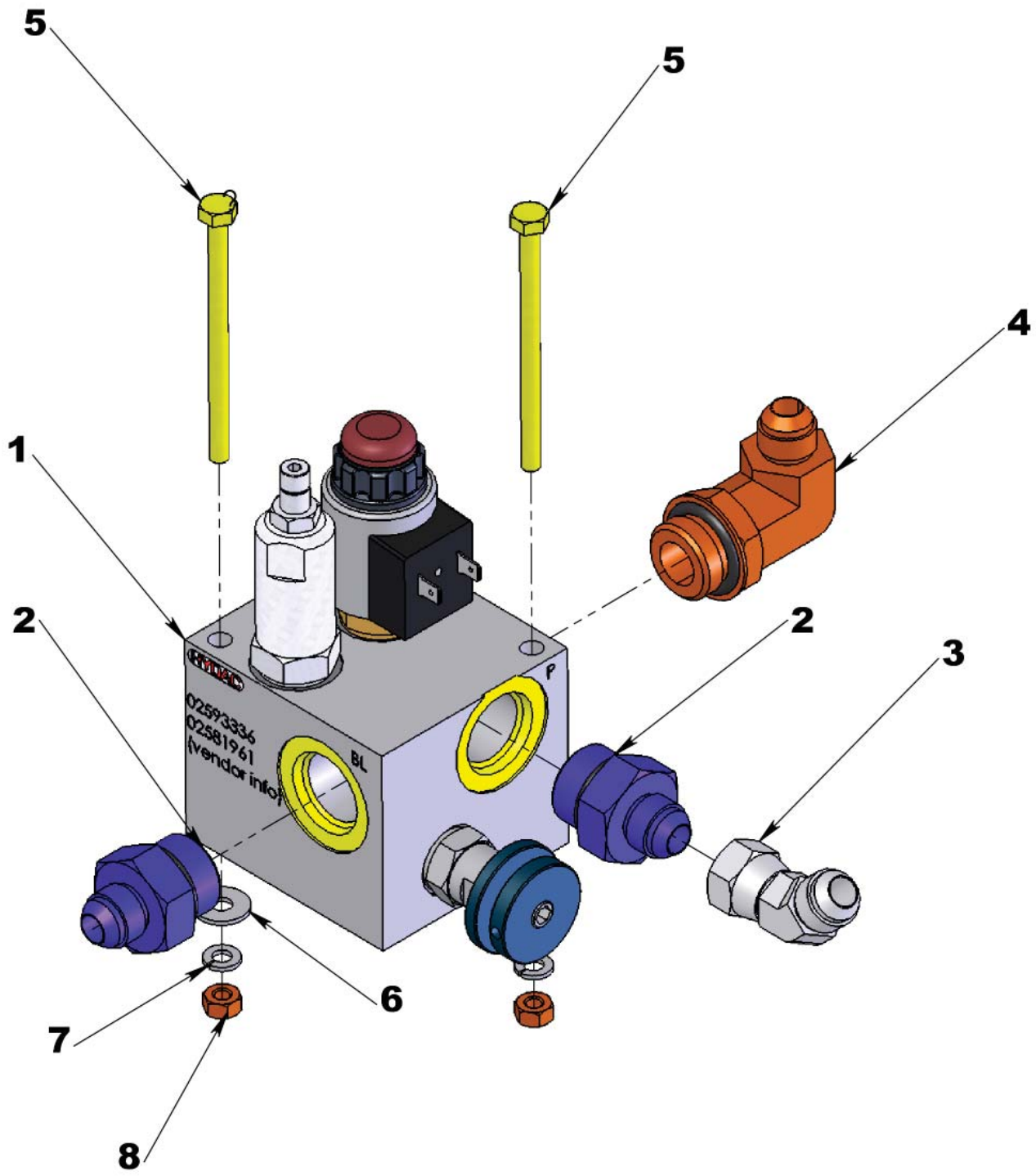
ITEM #	PART NO.	DESCRIPTION	QTY.
1	211542-01	MANIFOLD - BRAKE PRESSURE	1
2	83469-04	FIT - CONNECTOR 6 JIC - 8 SAE MALE	3
3	84635-04	FIT - PLUG 6 SAE	2
4	84636-04	FIT - SWIVEL RUN TEE 6 JIC	1
5	83065	WASHER - LOCK 1/4" SPRING STEEL	2
6	91836-04	BOLT - HEX 1/4-20 X 3"	2

FUME CONTROL HYDRAULICS
(214930-02)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142848-04	CHECK VALVE - #12 100 PSI CRACKING	2
2	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
3	83757	FLAT WASHER - 3/8" STEEL	8
4	93175	LOCK NUT - 3/8-16 SPRING STEEL	4
5	83764-04	FIT - 12 JIC SW 90 DEG. ELBOW	2
6			
7			
8	89786-04	ADAPTER - 10 SAE M - 12 SAE FM	1
9	83704-04	FIT - 10 SAE X 8 JIC M ST CONNECTOR	2
10	214887-03	MANIFOLD - FUME EXTRACTION	1
11	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	2

FUME CONTROL MANIFOLD
(214887-03)

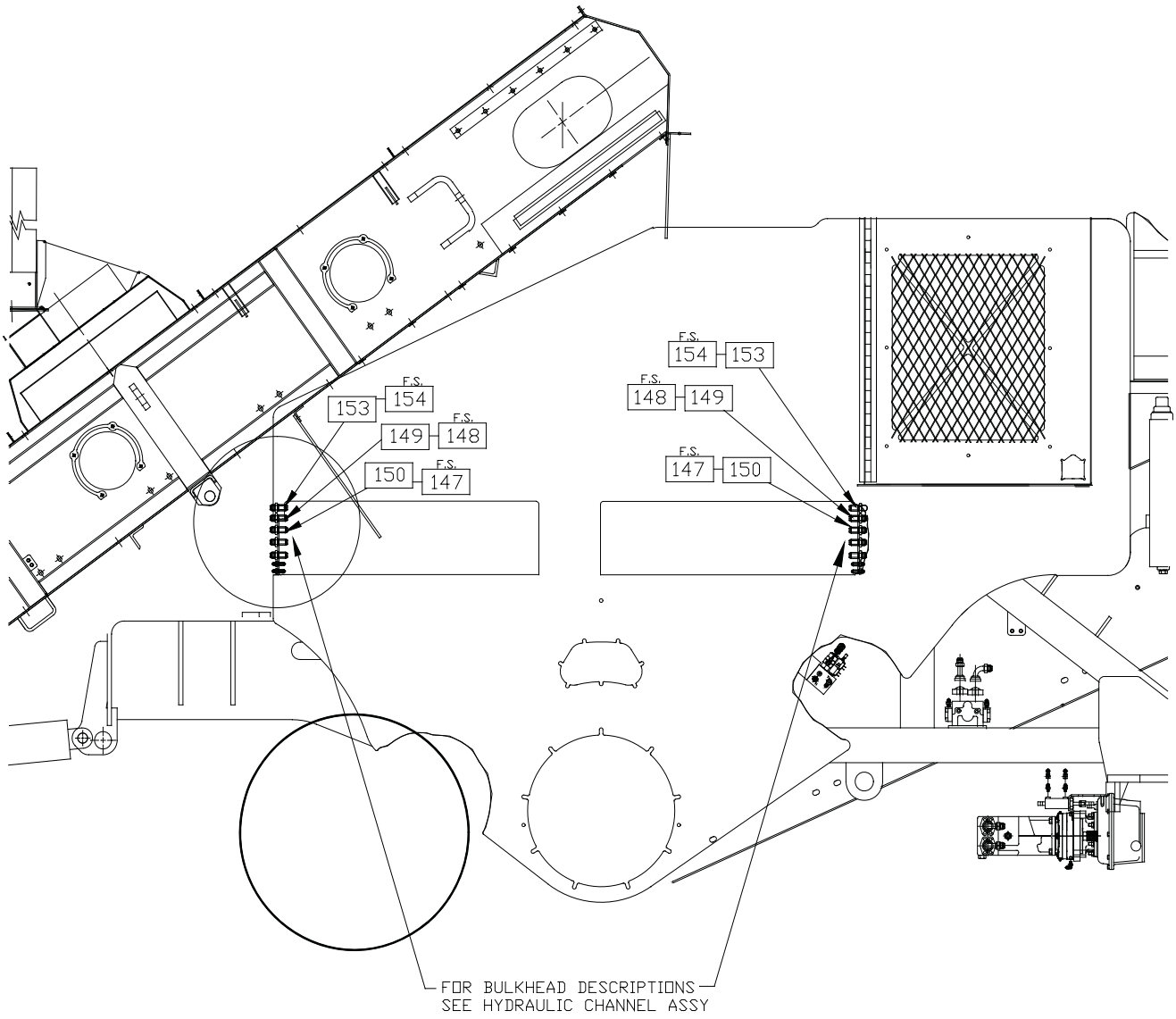


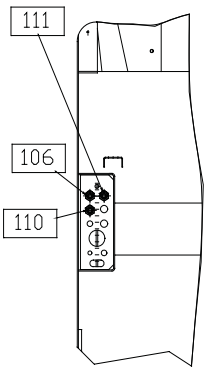
FUME CONTROL MANIFOLD
(214887-03)

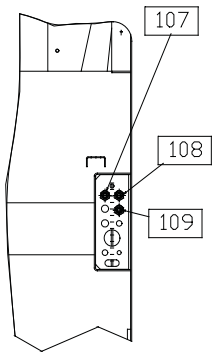
ITEM #	PART NO.	DESCRIPTION	QTY.
1	211541-01	MANIFOLD - FXS	1
2	89616	FIT - 8 JIC X 12 SAE ST. MALE	2
3	85218-04	FIT - ELBOW SWIVEL 8 JIC 45 DEG.	1
4	127491	FITTING - 8 JIC-12 SAE 90	1
5	146144	BOLT - HEX 1/4-20 X 3 3/4 GRADE 8	2
6	84444	WASHER - FLAT 1/4" STEEL	2
7	83065	WASHER - LOCK 1/4" SPRING STEEL	2
8	89772	NUT - 1/4-20 HEX GRADE 8	2

C-1 DRIVE HYDRAULICS
(211351-01)

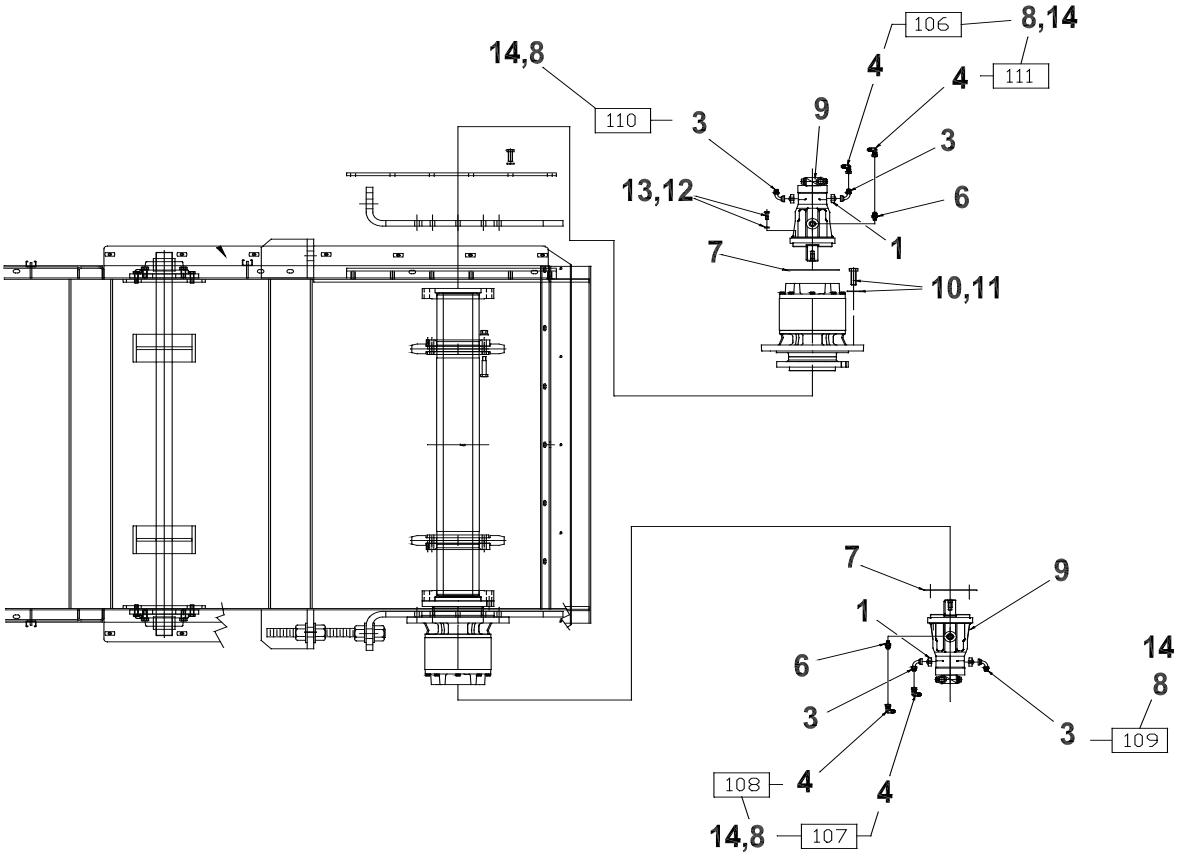
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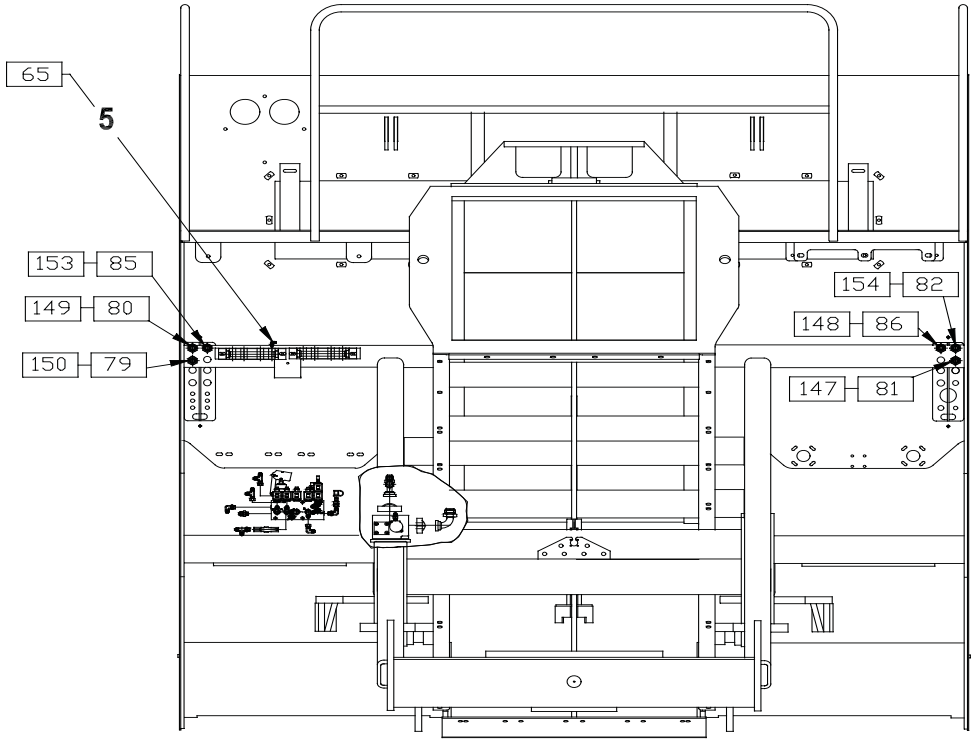






C-1 DRIVE HYDRAULICS
(211351-01)

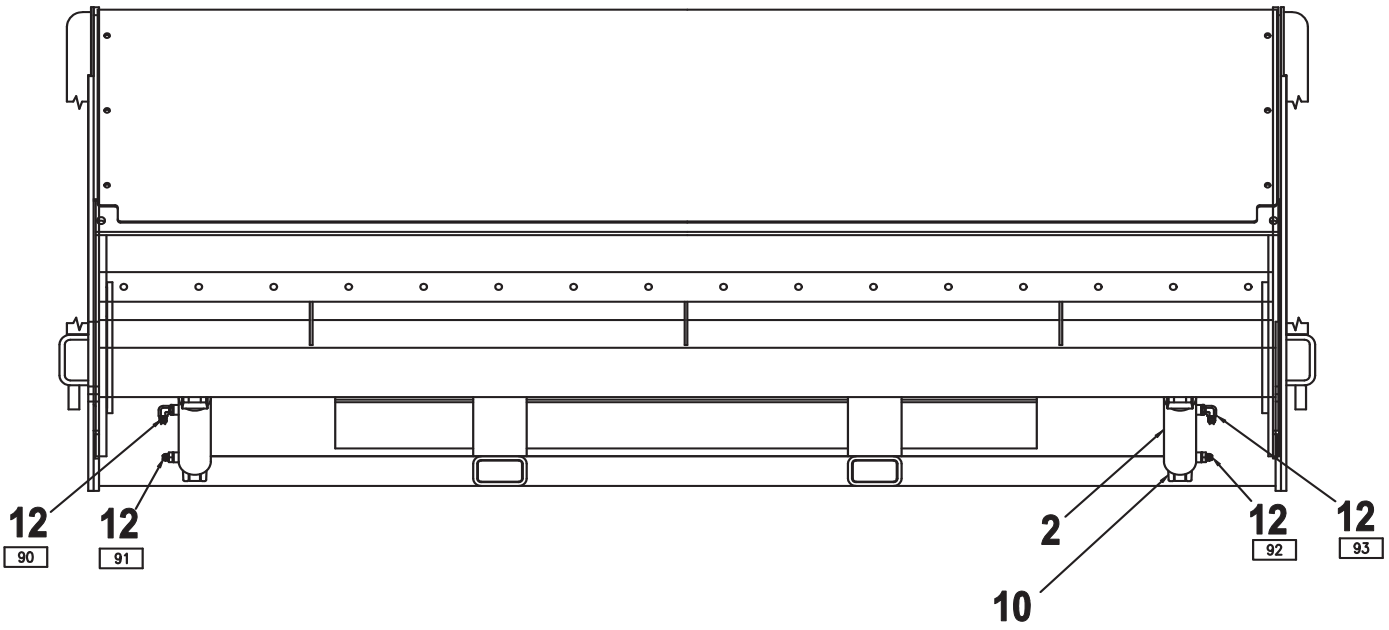


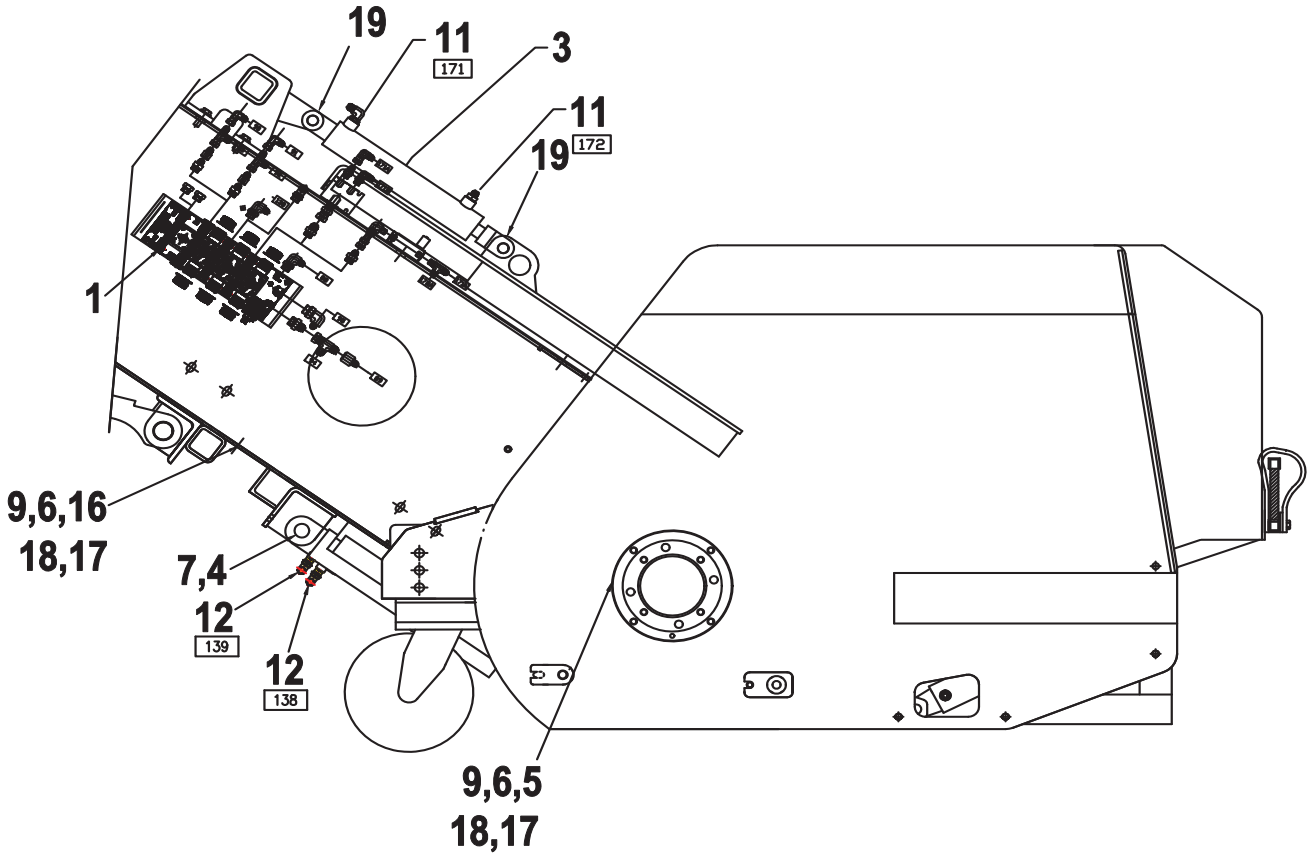


C-1 DRIVE HYDRAULICS
(211351-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	86076-04	FIT - 12 JIC FLANGE KIT	4
2	89986-04	HEX BOLT - 3/8-16 X 4 1/2" GR8	16
3	83890-04	FIT - 12 JIC X 12 FLANGE 90 DEG. CODE 62	4
4	83764-04	FIT - JIC M X 12 JIC F SWIVEL 90 DEG. CONNECTOR	4
5			
6	83458-04	FIT - 8 SAE X 12 JIC ST CONNECTOR	2
7	130086-C1	GASKET - FOR AUSCO BRAKE	2
8	11K76	CLAMP - MOUNTING FOR 1 1/4" OD TUBE	8
9	142642-04	MOTOR - BENT AXIS 60 CC / REV.	2
10	93189	HEX BOLT - 3/4-10 UNC X 2 1/4" LG GR8	REF
11	83752-04	LOCK WASHER - 3/4" ID NOM. SPRING STEEL	REF
12	89142	HEX BOLT - 1/2-13 UNC X 1 3/4" LG GR8	8
13	05707	CONICAL WASHER - 1/2" ID NOM.	8
14	149015	CLAMP - MOUNTING FOR 1 1/8" OD TUBE	4

C-1 DUMP HOPPER HYDRAULICS
(214928-01)

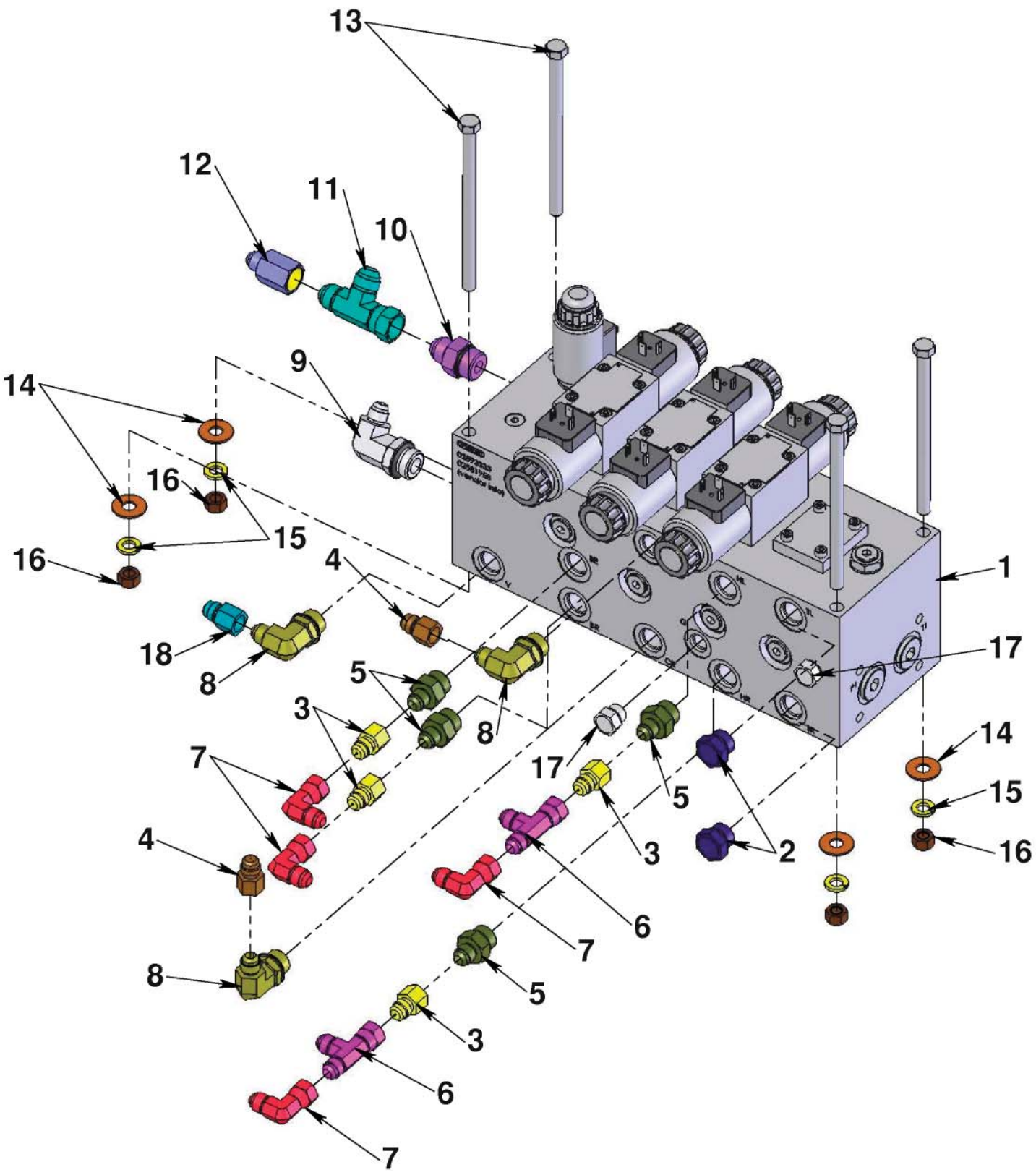




C-1 DUMP HOPPER HYDRAULICS
(214928-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214888-02	C-1 HOPPER CONTROLS MANIFOLD ASSY.	1
2	206666-01	CYL - 4.00 BORE X 8.00 STROKE	2
3	97482-01	CYL - 2 1/2" BORE X 12 STROKE	1
4	215523-01	CYL - 3" BORE X 15 3/4" STROKE	1
5	99965	TUBE CLAMP 2" RUBBERIZED	4
6	89772	NUT - HEX 3/8 - 16 GD. 8	5
7			
8	147993-03	RETAINER PLATE	2
9	83065	LOCK WASHER 1/4" SPRING STEEL	5
10	27D66	PIN - 3/16 X 2" COTTER	4
11	83469-04	FITTING - 6 JIC - 8 SAE ST MALE	2
12	84426-04	FITTING - 6 JIC - 8 SAE 90 MALE	6
13	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	2
14	86127-04	HEX BOLT - 3/8-16 X 3/4 GR8	2
15	83317	LOCK WASHER - 1/2 SPRING STEEL	5
16	147412-04	HOSE CLAMP 1 9/16" X 3/8" BOLT	4
17	89773	BOLT - HEX 1/4-20 X 1"	5
18	84444	FLAT WASHER 1/4" STEEL	10
19	83130-04	PIN - COTTER 1/8" X 1 1/2"	2

ASSEMBLY ~ C1 HOPPER CONTROLS MANIFOLD (214888-02)

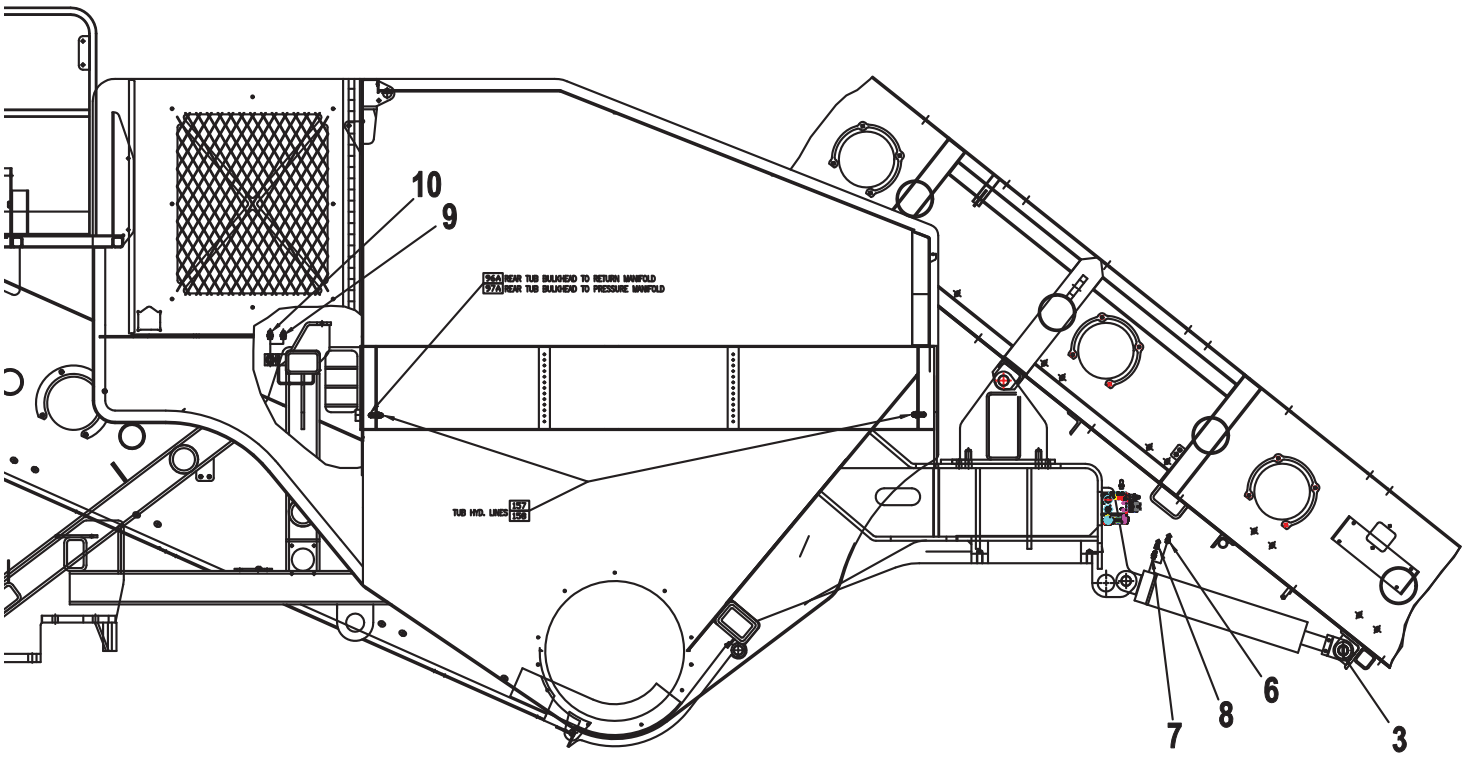


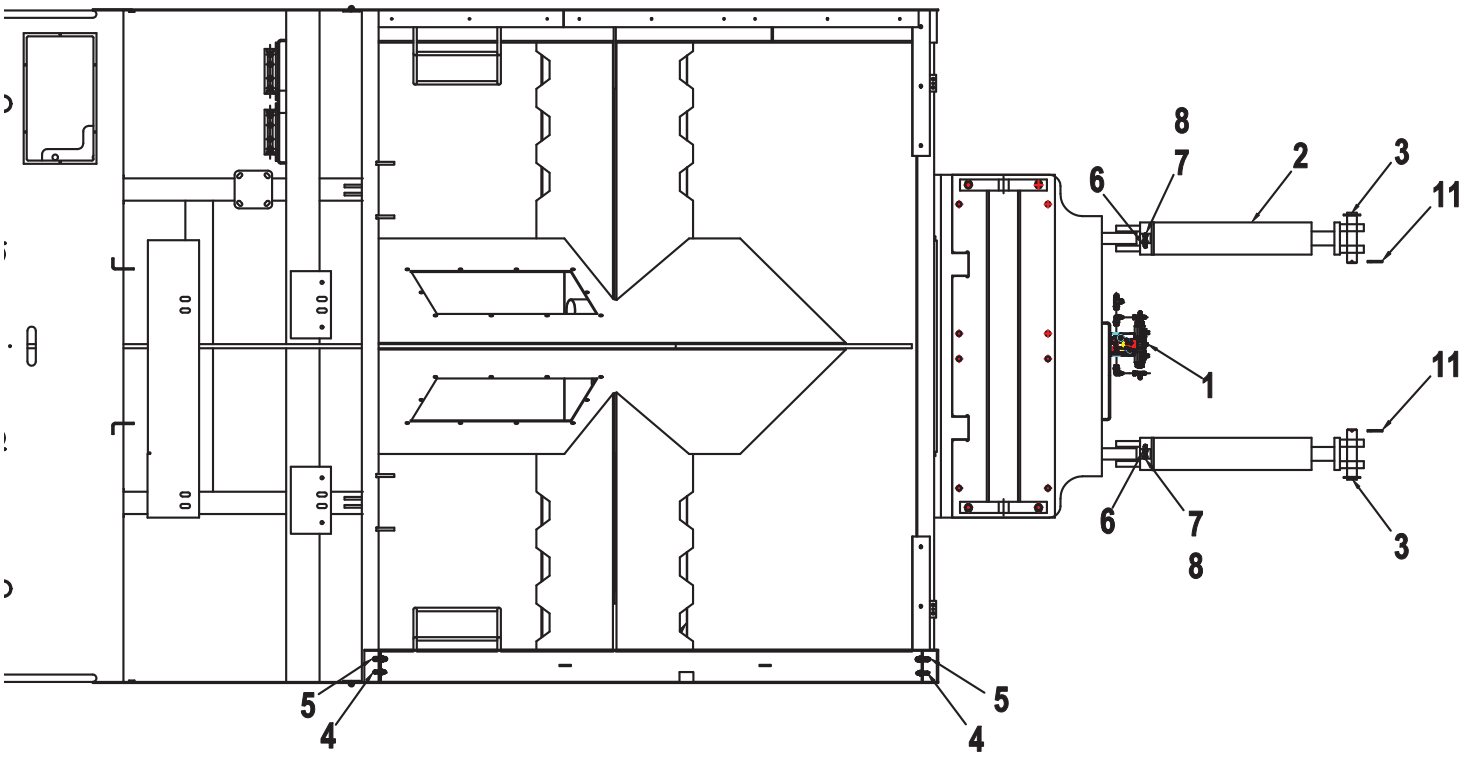
ASSEMBLY- C1 HOPPER CONTROLS MANIFOLD (214888-02)

ITEM #	PART #	DESCRIPTION	QTY
1	211538-01	VALVE, DIRECTIONAL	1
2	83767-04	FIT ~ PLUG 8 SAE	2
3	135775-04	FIT * RESTRICTOR 6 JIC X 1/16 ORIF	4
4	135409-04	FIT * REST 6 JIC X 1/32"ORIFICE ST	2
5	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	4
6	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	2
7	83953-04	FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG.	4
8	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	3
9	92987	FIT ~ 6 JIC x 10 SAE 90 DEG.	1
10	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	1
11	84638-04	FIT ~ SWIVEL RUN TEE 8 JIC	1
12	84060-04	FIT ~ ADAPTOR 8 JIC - 6 JIC RED.	1
13	26L62	BOLT * HEX 3/8"-16 X 6"	4
14	83757	WASHER ~ FLAT 3/8 STEEL	4
15	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
16	83055	NUT * 3/8-16 HEX GRADE 8	4
17	84635-04	FIT * PLUG 6 SAE	2
18	136649-04	FIT ~ RESTRICTOR 3/32 ORIFICE	1

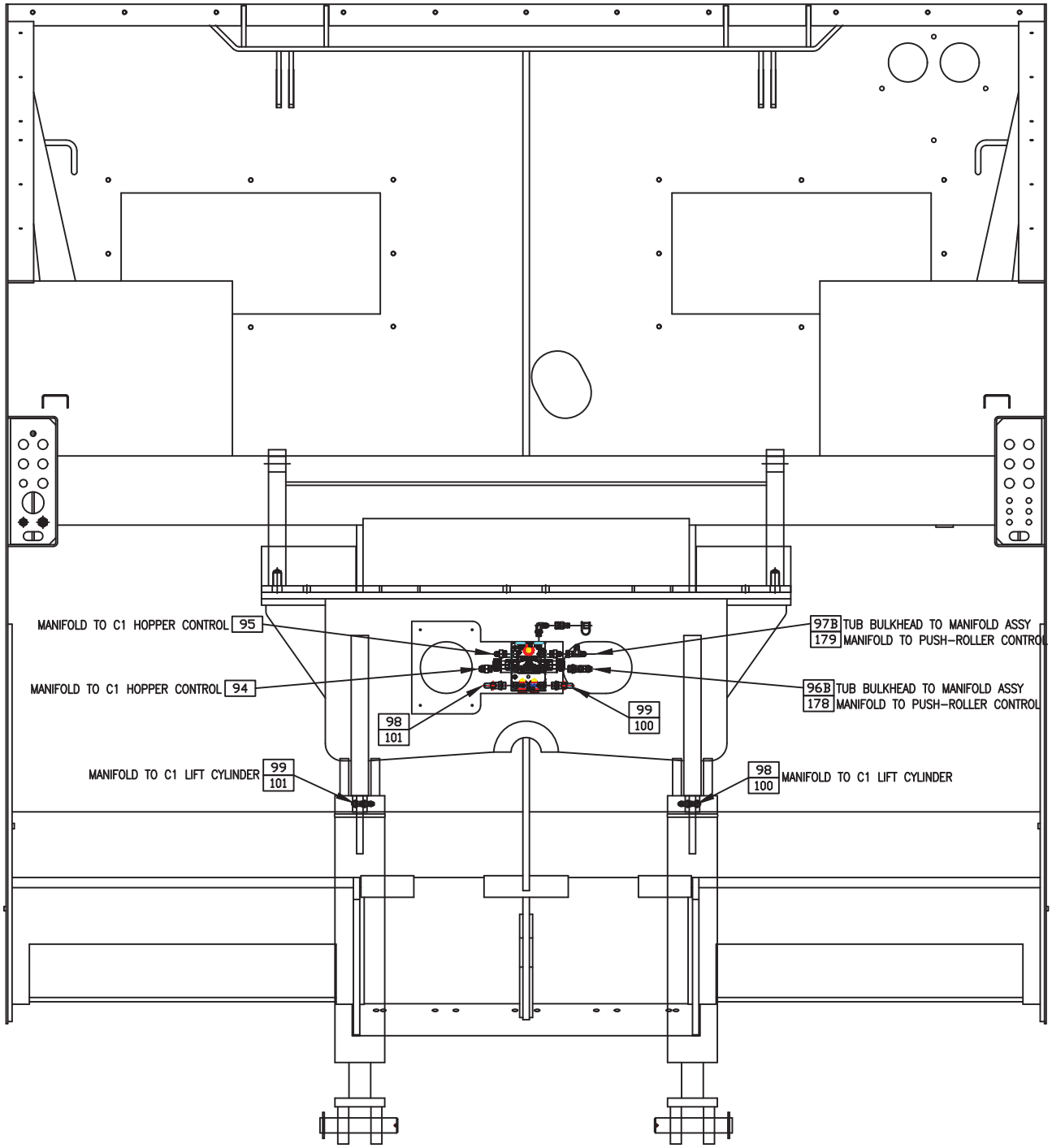
C-1 RAISE / LOWER HYDRAULICS
(214929-01)

NEXT PAGE





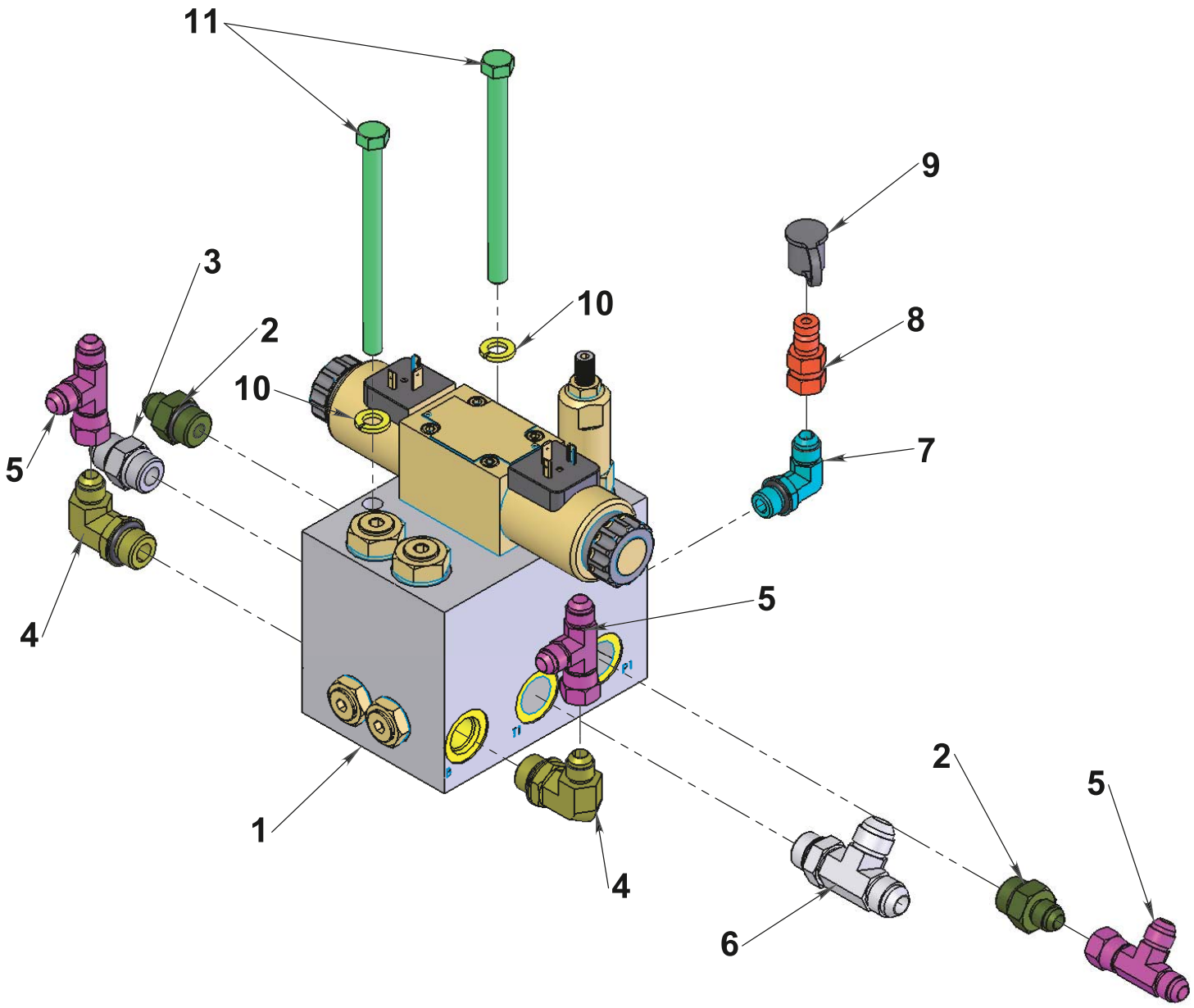
C-1 RAISE / LOWER HYDRAULICS
(214929-01)



C-1 RAISE / LOWER HYDRAULICS
(214929-01)

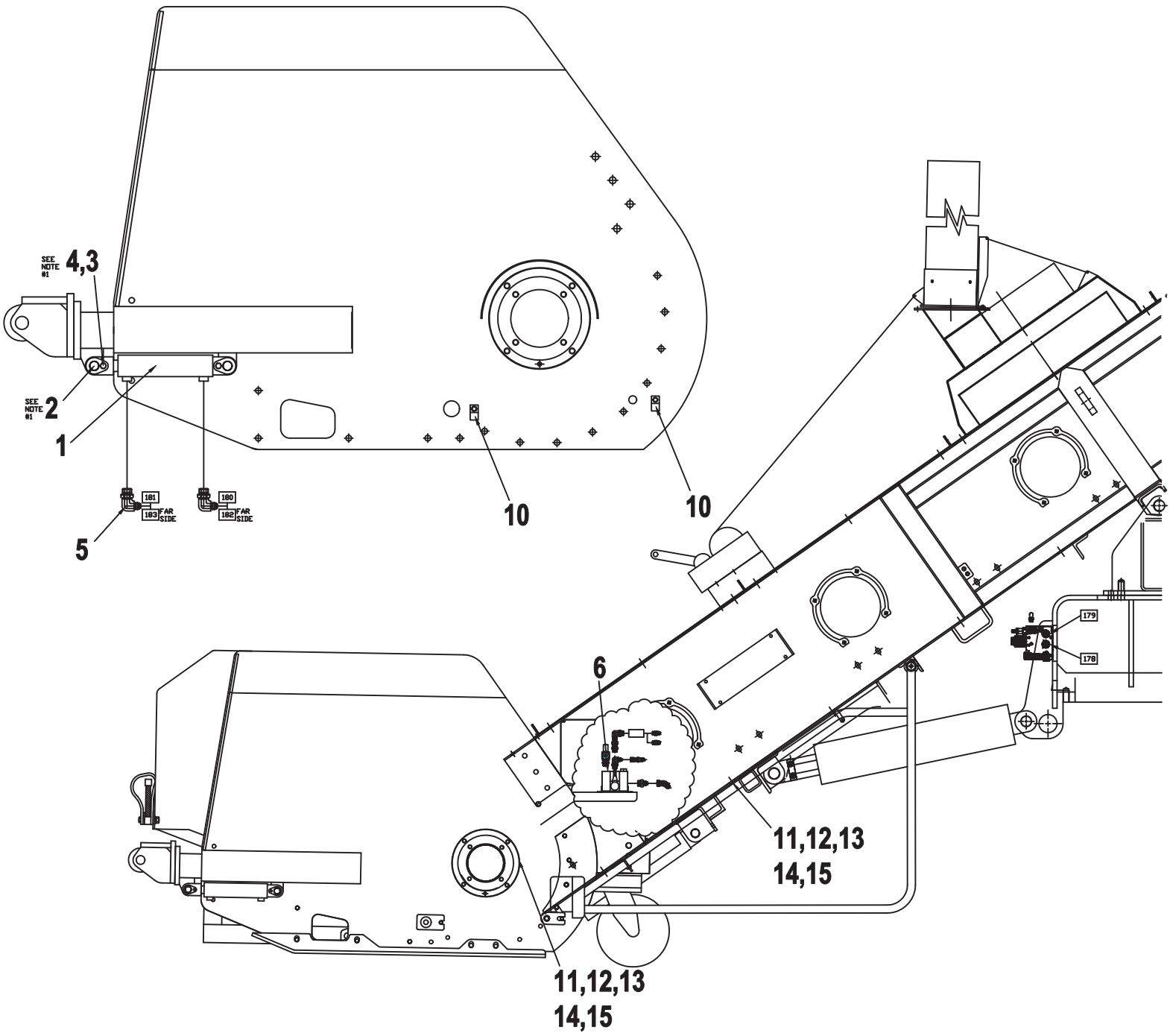
ITEM #	PART NO.	DESCRIPTION	QTY.
1	214885-03	ASSY. - C-1 RAISE / LOWER MANIFOLD	1
2	207380-01	MODIFIED C-1 LIFT CYLINDER	2
3	149428-03	PIN WELDMENT - C-1 LIFT CYL. ROD END	2
4	83475-04	FIT - 6 JIC X 6 JIC BULKHEAD	2
5	83453-04	FIT - 8 JIC X 8 JIC BULKHEAD	2
6	83734-04	FIT - 6 JIC X 6 SAE 90 DEG.	2
7	83735-04	FIT - 6 JIC X 6 SAE STRAIGHT	2
8	83953-04	FIT - 6 JIC SWIVEL 90 DEG.	2
9	83469-04	FIT - 6 JIC X 8 SAE STRAIGHT	1
10	83459-04	FIT - 8 JIC X 8 SAE STRAIGHT	1
11	27D75	PIN - COTTER 1/4 X 2 1/2"	2

ASSEMBLY ~ C1 RAISE/LOWER MANIFOLD (214885-03)



ITEM #	PART #	DESCRIPTION	QTY
1	211537-01	MANIFOLD * C1 RAISE/LOWER	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	2
3	83459-04	FIT ~ CONNECTOR 8 JIC x 8 SAE MALE	1
4	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	2
5	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	3
6	83766-04	FIT * RUN TEE 8 JIC - 8 SAE MALE	1
7	83734-04	FIT-ELBOW 90 DEG M W_NUT, WASHER, O-RING 6 JIC - 6 SAE	1
8	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	1
9	85949-04	FIT ~ TEST PORT QD CAP 3/8	1
10	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
11	20N62	BOLT * HEX 3/8"-16 X 5"	2

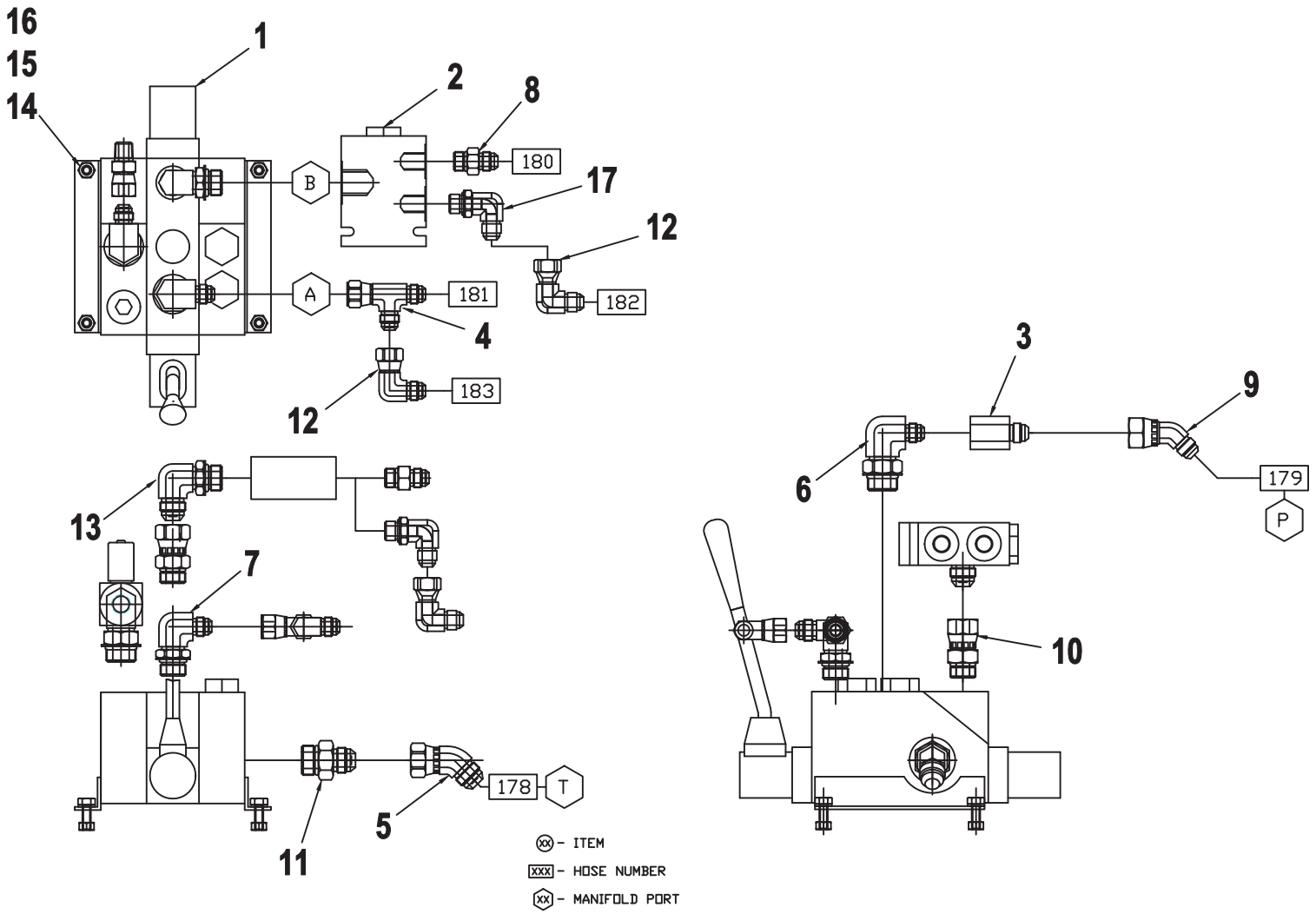
PUSH ROLLER HYDRAULICS
(209080-01)



PUSH ROLLER HYDRAULICS
(209080-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2		SUPPLIED WITH CYLINDER	
3		SUPPLIED WITH CYLINDER	
4		SUPPLIED WITH CYLINDER	
5	84426-04	FITTING - 8 SAE X 6 JIC 90 M. ELBOW	4
6	209079-02	PUSH ROLLER MANIFOLD SUB-ASSY.	1
7			
8			
9			
10	99965	CLAMP - 2" RUBBERIZED TUBE	4
11	147412-04	CLAMPS - 1 9/16" HOSE X 3/8" BOLT	5
12	89773	BOLT - HEX 1/4 - 20 UNC X 1"	5
13	84444	FLAT WASHER 1/4" STEEL	10
14	83065	LOCK WASHER 1/4" ID NOM. SPRING STEEL	5
15	89772	NUT - HEX 3/8 - 16 UNC	5

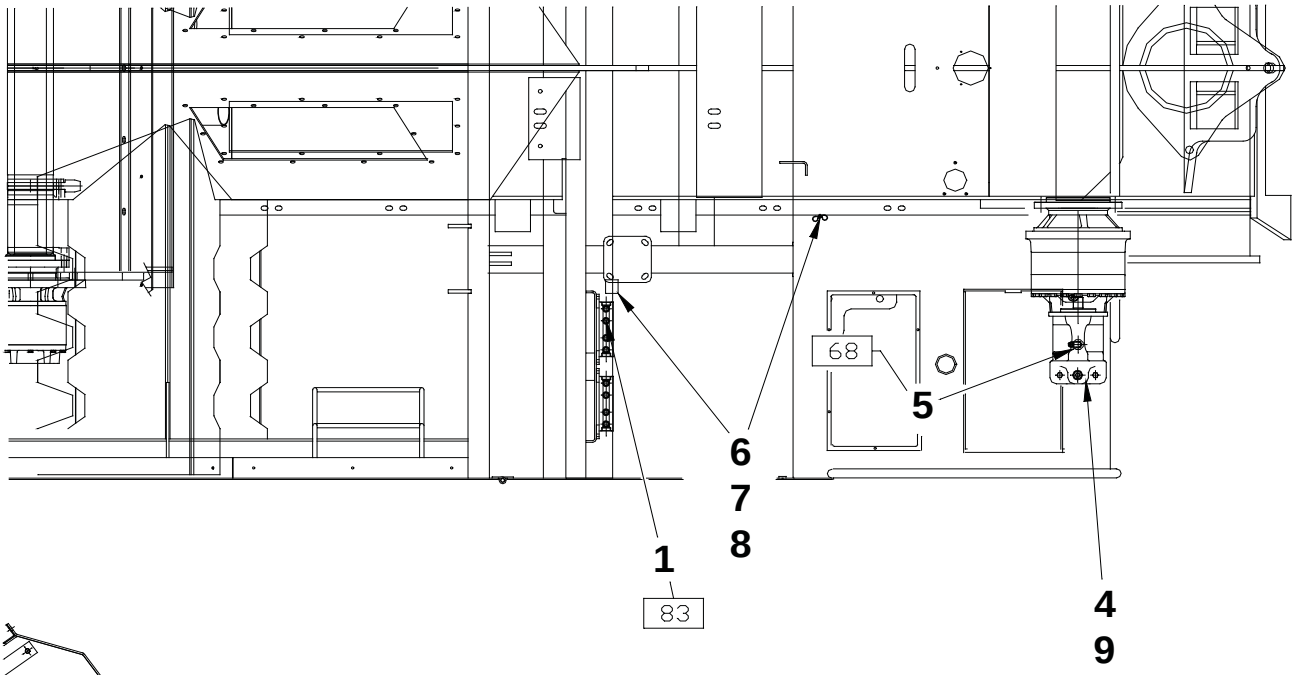
PUSH ROLLER MANIFOLD
(209079-02)

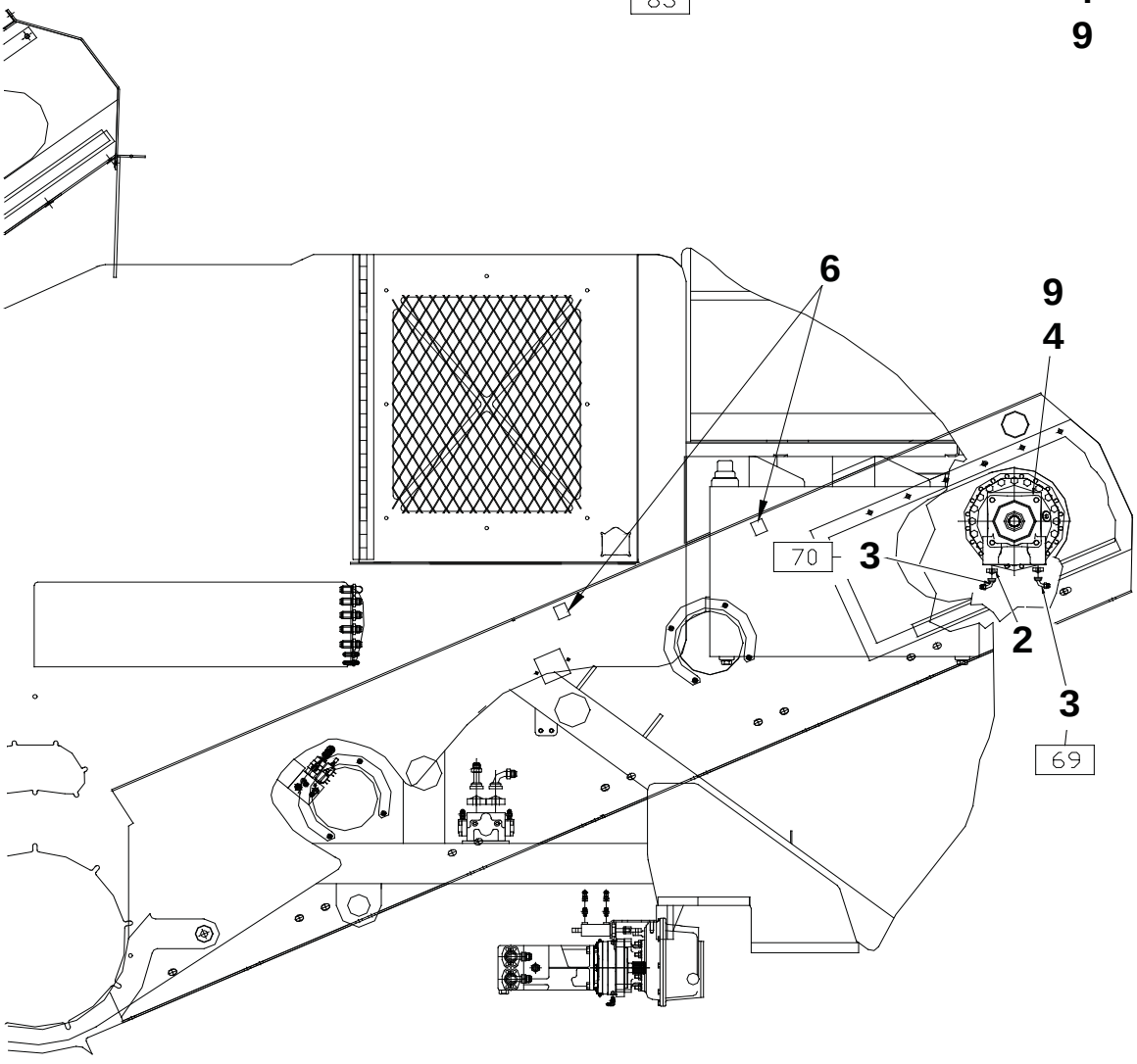


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	137458-04	VALVE - V10 MANUAL DIR. CONTROL	1
2	200791-03	VALVE - FLOW DIVIDER 50/50 SPLIT, 12 GPM	1
3	135775-04	ORIFICE - 6 JIC M X 6 JIC FM (.063)	1
4	84636-04	SWIVEL RUN TEE - 6 JIC	1
5	85218-04	FIT - ELBOW 8 JIC M - 8 FM 45 DEG. SW	1
6	92987	FIT - ELBOW 90 DEG. - 10 SAE X 6 JIC	1
7	84426-04	FIT - ELBOW 90 DEG. - 8 SAE X 6 JIC	1
8	83735-04	FIT - 6 SAE X 6 JIC STRAIGHT	1
9	90768-04	FIT - 6 JIC M X 6 JIC FM 45 DEG. SW ELBOW	1
10	122168	FIT - CONN 8 SAE - 8 JIC SW ST	1
11	83704-04	CONNECTOR - 8 JIC - 10 SAE ST	1
12	83953-04	FIT - 6 JIC M SW 90 DEG.	2
13	83460-04	FIT - 8 JIC M X 8 SAE M 90 DEG.	1
14	89988-04	HEX BOLT - 1/4-20 X 3/4"	4
15	83065	LOCK WASHER - 1/4" SPRING STEEL	4
16	89772	HEX NUT - 1/4-20 GR8	4
17	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	1

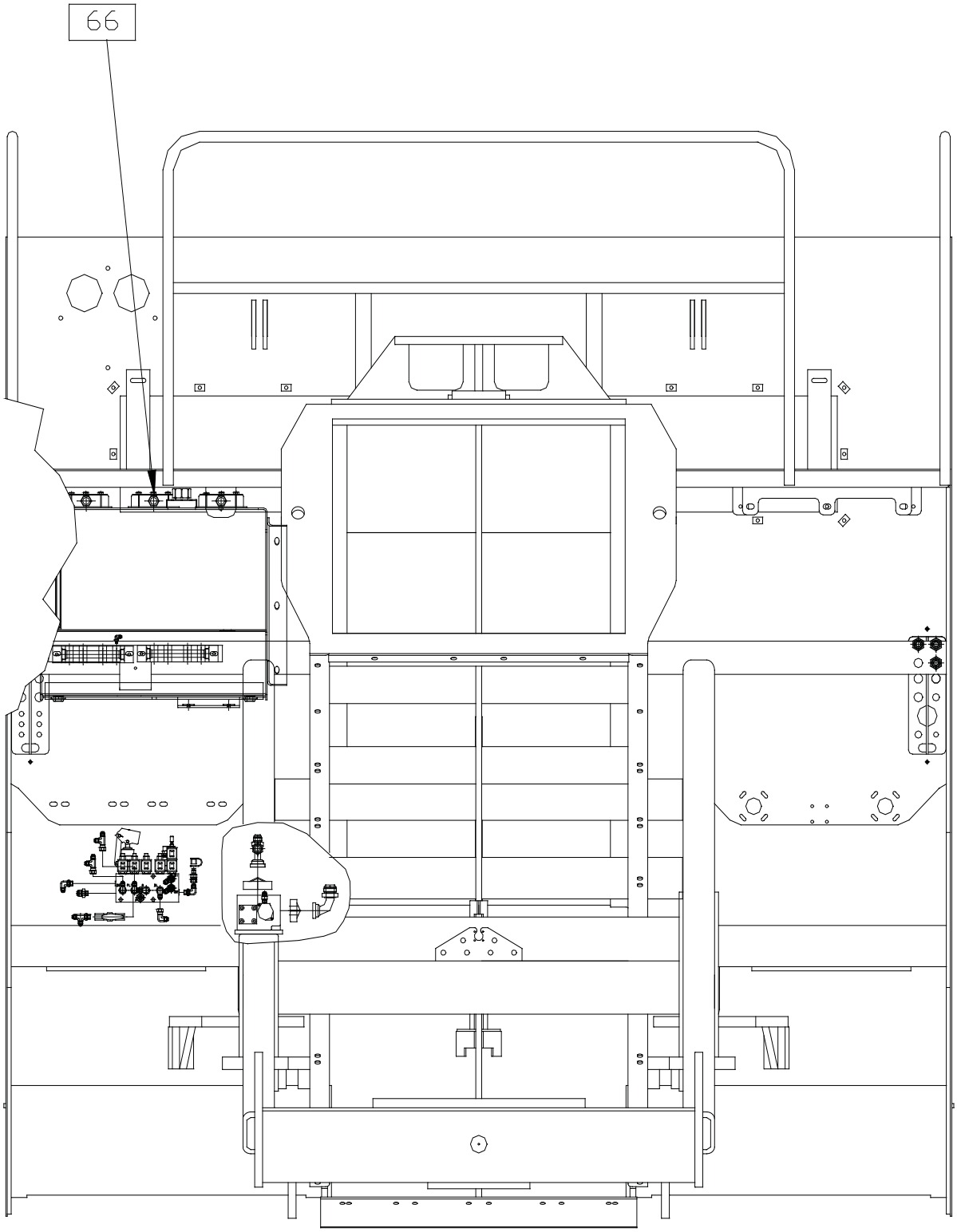
C-2 DRIVE HYDRAULICS
(149543-01)

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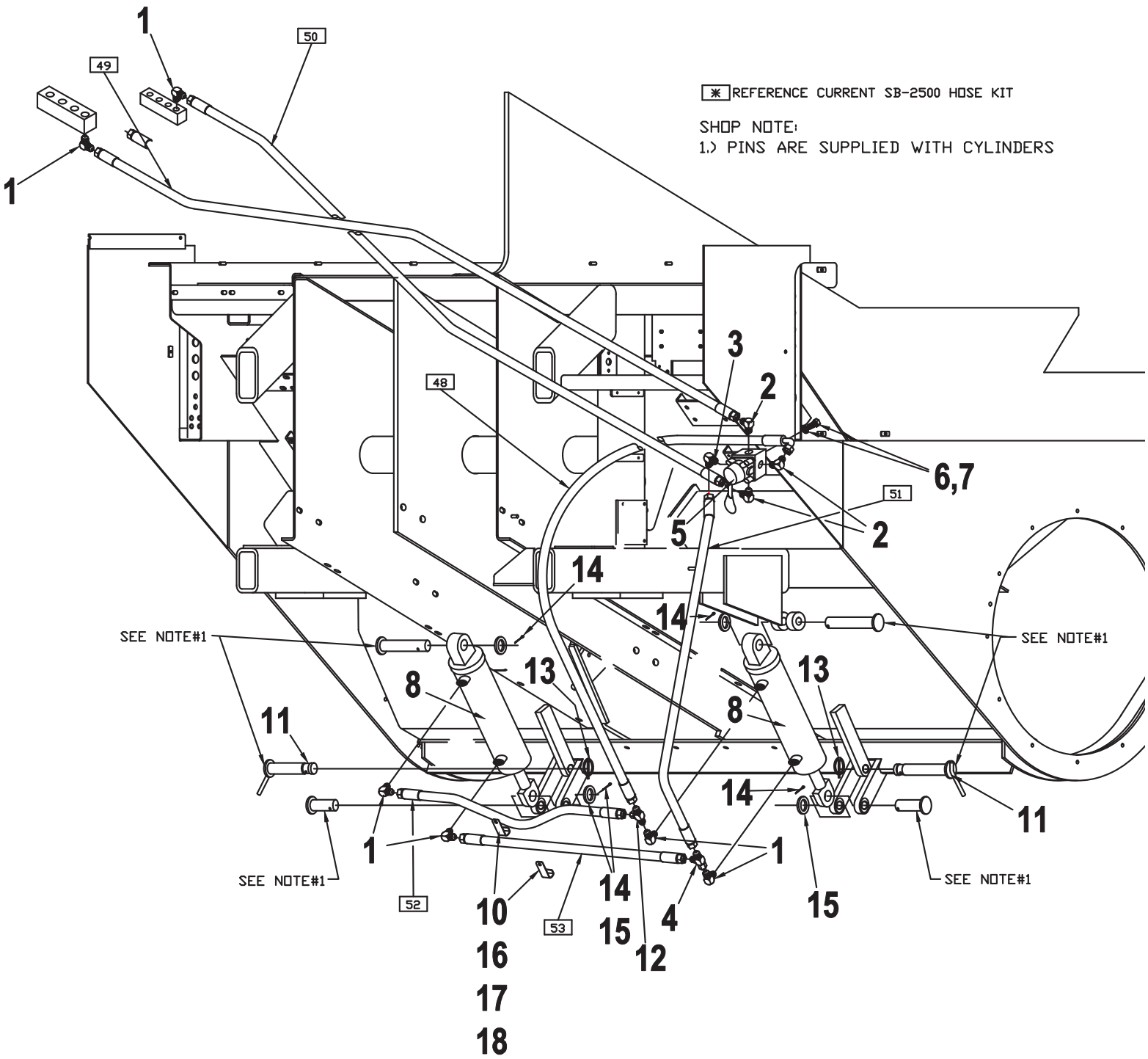
C-2 DRIVE HYDRAULICS
(149543-01)



C-2 DRIVE HYDRAULICS
(149543-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1			
2	96765	20 FLANGE KIT - CODE 62	2
3	99945	20 FLANGE 45 DEG. X 20 JIC - CODE 62	2
4	149224-04	MOTOR - 130 CC ORIFICE LOOP FLUSH	1
5	85875-04	ELBOW 90 DEG. - SAE MALE X 12 JIC MALE	1
6	99965	CLAMP - 2" RUBBERIZED TUBE	1
7	83055	HEX NUT - 3/8-16 UNC GR8	1
8	85148	LOCK WASHER - 3/8" ID NOM. SPRING STEEL	1
9	28Y06C4	GASKET - AUSCO BRAKE	1

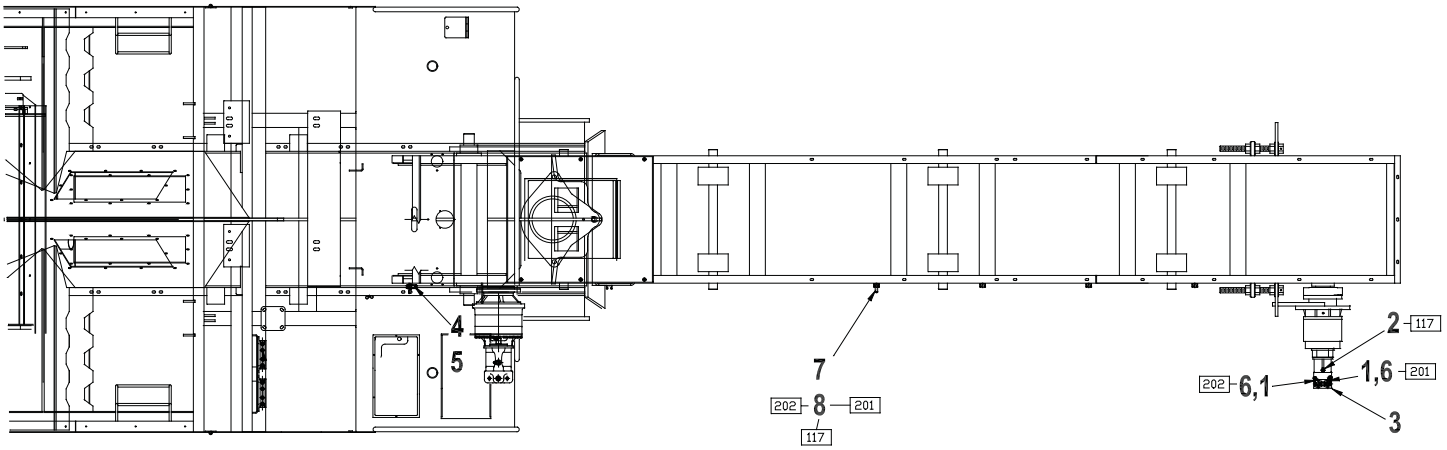
C-2 CLEAN-OUT DOOR HYDRAULICS
(216513-01)

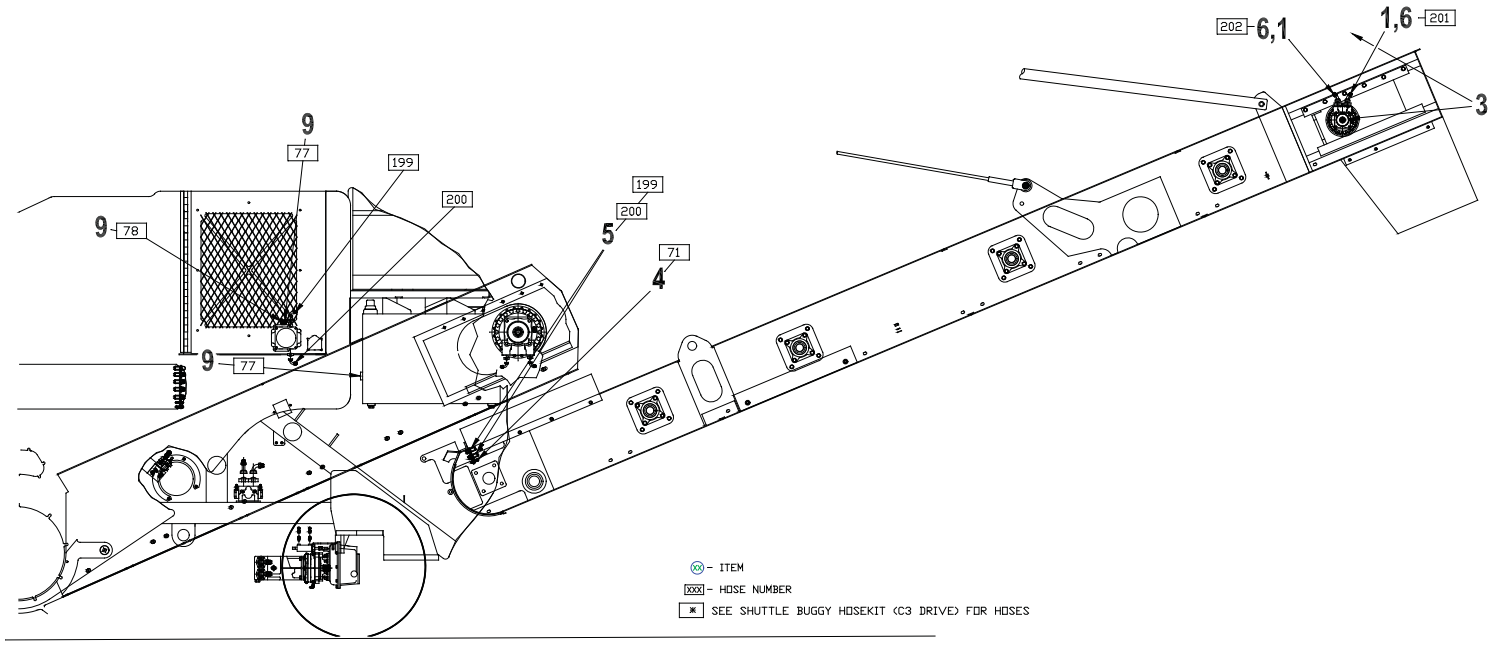


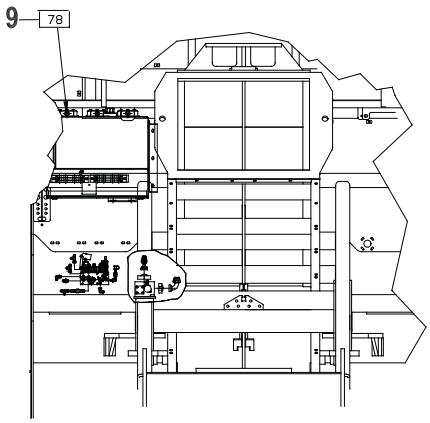
C-2 CLEAN-OUT DOOR HYDRAULICS
(216513-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	84426-04	ELBOW 90 DEG. - 6 JIC - 8 SAE (MALE)	6
2	83734-04	ELBOW 90 DEG. - 6 JIC - 8 SAE	3
3	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	1
4	84636-04	SWIVEL RUN TEE - 6 JIC	2
5	205771-03	VALVE - 4 WAY 3 POS ROTARY MANUAL	1
6	89297	HEX BOLT - 5/16-18 UNC X 1" LG.	4
7	87328-047	LOCK WASHER - 5/16 ID NOM.	4
8	144898-01	CYLINDER - 2.50 BORE X 11.00 STROKE	2
9	200591	VALVE - HYDRAFORCE HOLDING	1
10	16P29	CLAMP - BOLT SIZE 1/2" ID HOSE	2
11	121690-03	PIN WELDMENT - SAFETY BAR	2
12	89598	FIT - SWIVEL BRANCH TEE 6 JIC	1
13	144993-04	3/16" LYNCH PIN	2
14	27D66	PIN - COTTER - 3/16" X 2" LG	2
15	83376-04	FLAT WASHER - 1" STEEL	2
16	83288	HEX NUT - 1/2"	2
17	83317	LOCK WASHER - 1/2"	2
18	83781-04	FLAT WASHER - 1/2"	2
19	84332	HEX BOLT - 3/8-16 X 1" GR8	2
20	83056	LOCK WASHER - 3/8" SPRING STEEL	2
21	122231	HOSE - 3/8-7 6X6 ST 6X6 90 DEG.	1

C-3 DRIVE HYDRAULICS
(145972-01)





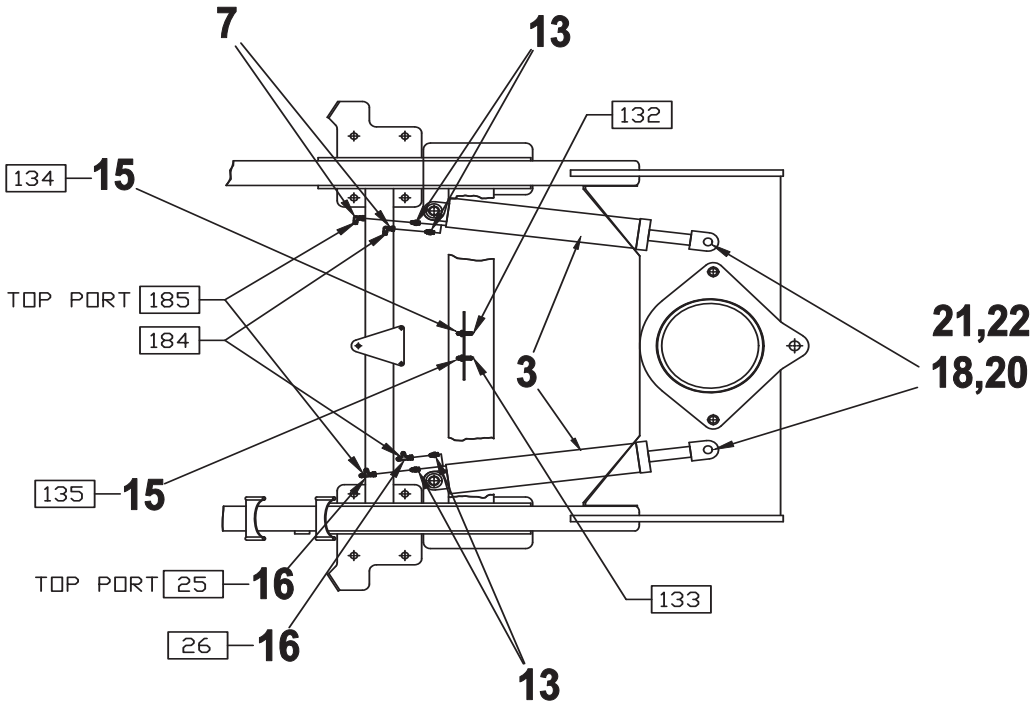


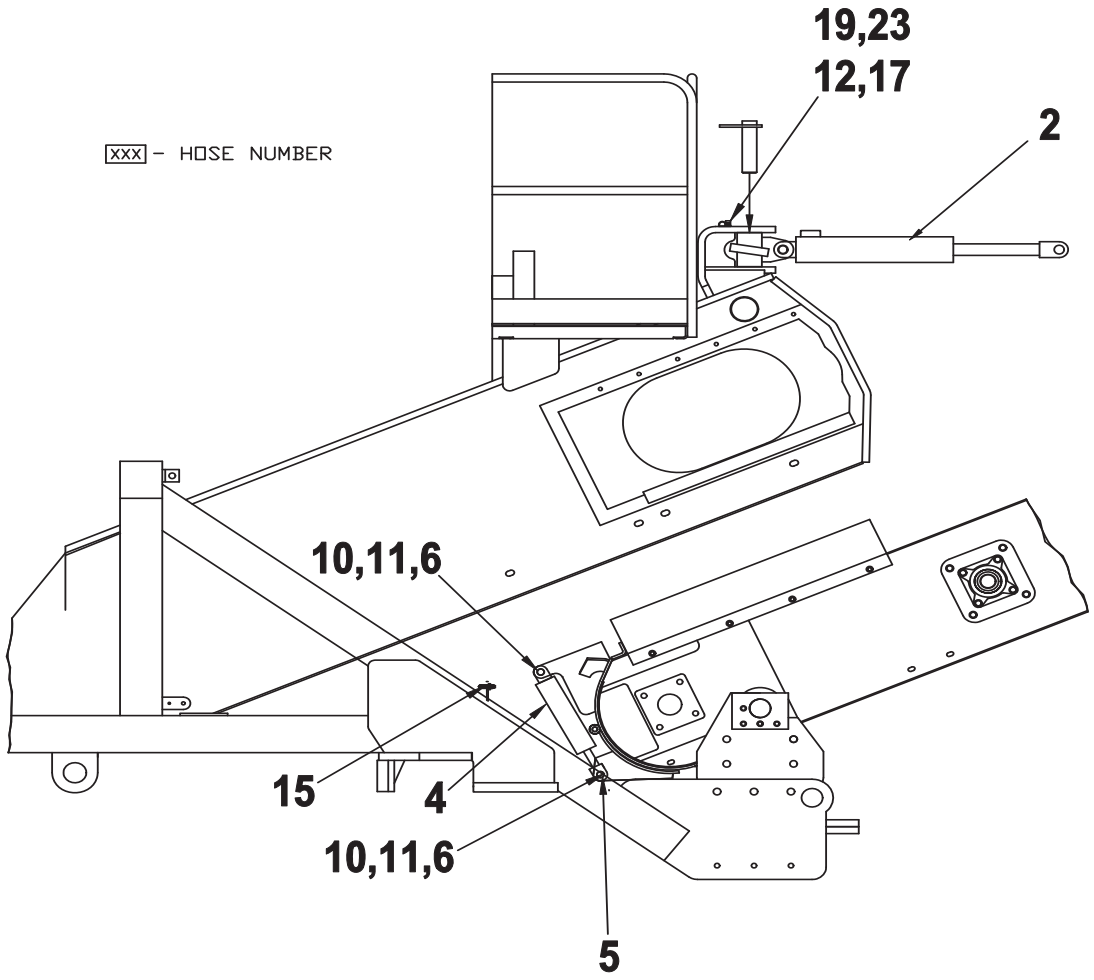
C-3 DRIVE HYDRAULICS
(145972-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	121517	# 16 FLANGE 45 X 16 JIC CODE 62	2
2	120439	10 SAE X 12 JIC 45 ELBOW	1
3	91681-04	MOTOR - DRIVE (SAUER-SUNDSTRAND)	1
4	83476-04	BULKHEAD UNION 12 JIC	1
5	89604	BULKHEAD UNION 16 JIC	2
6	90729	# 16 FLANGE KIT CODE 62	2
7	145538	CLAMP - 1/2" HOSE	14
8	149015	CLAMP - 1 1/8" HOSE	7
9	147412-04	CLAMP - 1 9/16" I.D. W/ 3/8" BOLT HOLE	2
10	97489	KIT - O-RING 70D	1

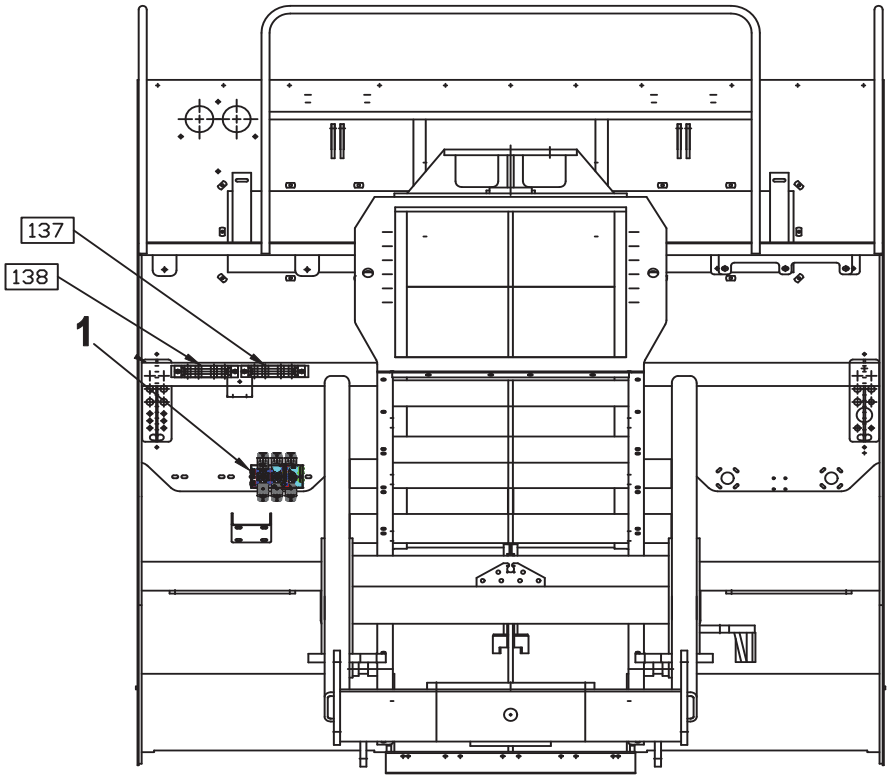
C-3 CONTROL HYDRAULICS
(214925-01)

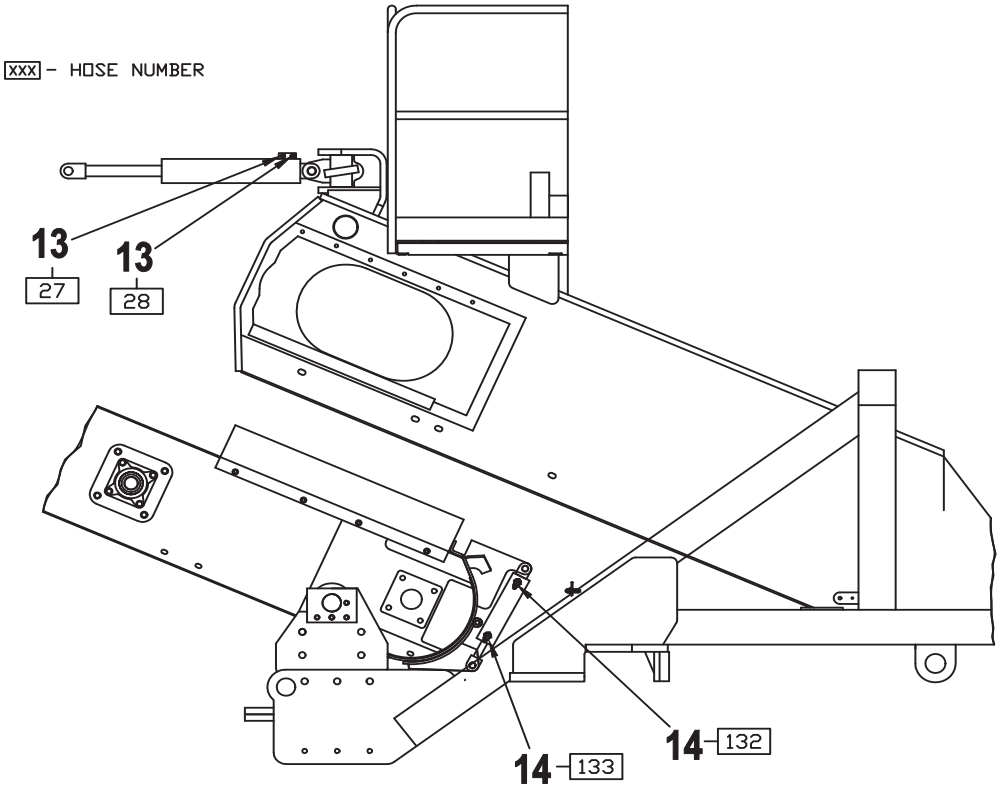
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C-3 CONTROL HYDRAULICS
(214925-01)

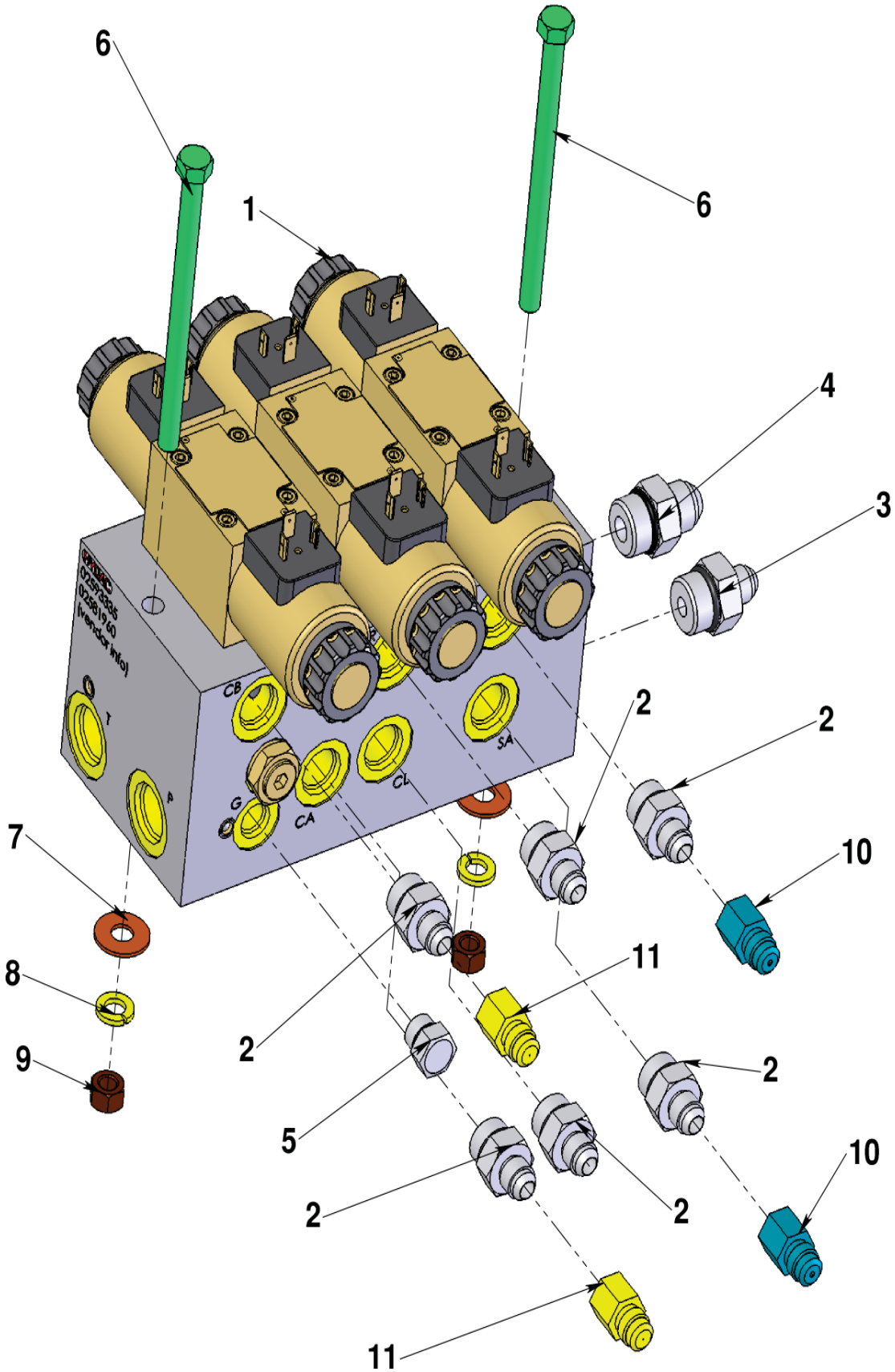




C-3 CONTROL HYDRAULICS
(214925-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214886-02	ASSY. - C-3 CONTROL MANIFOLD	1
2	214518-01	CYLINDER - 5.00 BORE X 26.00 STROKE	1
3	144901-01	CYLINDER - 4.00 BORE X 21.00 STROKE	2
4	144899-01	CYLINDER - 2.00 BORE X 4.50 STROKE	1
5	83439-04	ROD END - FEMALE 1 1/4" (RH THREAD)	1
6	83133	FLAT WASHER - 3/4" STEEL	2
7	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	2
8			
9			
10	149431-03	PIN WELDMENT - C-3 CLEAN OUT DOOR	2
11	144993-04	PIN - 3/16" LYNCH	2
12	83065	LOCK WASHER - 1/4" SPRING STEEL	1
13	83735-04	FIT - 6 JIC X 6 SAE MALE ADAPTER	6
14	84426-04	ELBOW 90 DEG. - 6 JIC X 8 SAE (MALE)	2
15	83475-04	BULKHEAD UNION ST - 6 JIC	2
16	84636-04	FIT - 6 JIC SW RUN TEE	2
17	20K38	CLAMP - 1 1/4" DIA. X 9/16" HOLE	2
18	93121	HEX BOLT - 1/2-13 X 2 1/2" GR8	2
19	89773	HEX BOLT - 1/4-20 X 1" GR8	1
20	83288	HEX NUT - 1/2-13 GR8	2
21	83871-04	FLAT WASHER - 1/2" STEEL	2
22	83317	LOCK WASHER - 1/2" SPRING STEEL	2
23	84444	FLAT WASHER - 1/4" STEEL	1

C-3 CONTROL MANIFOLD ASSEMBLY
(214886-02)

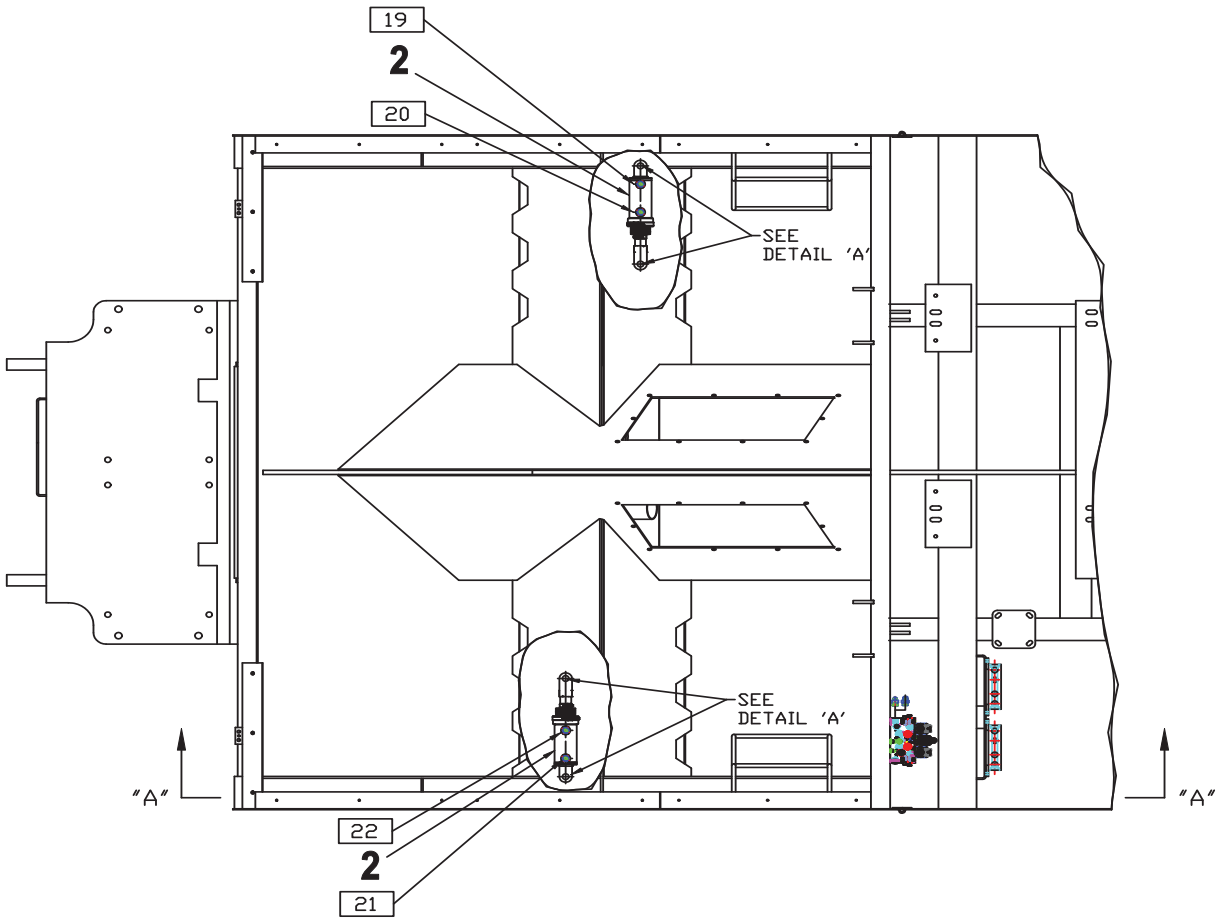


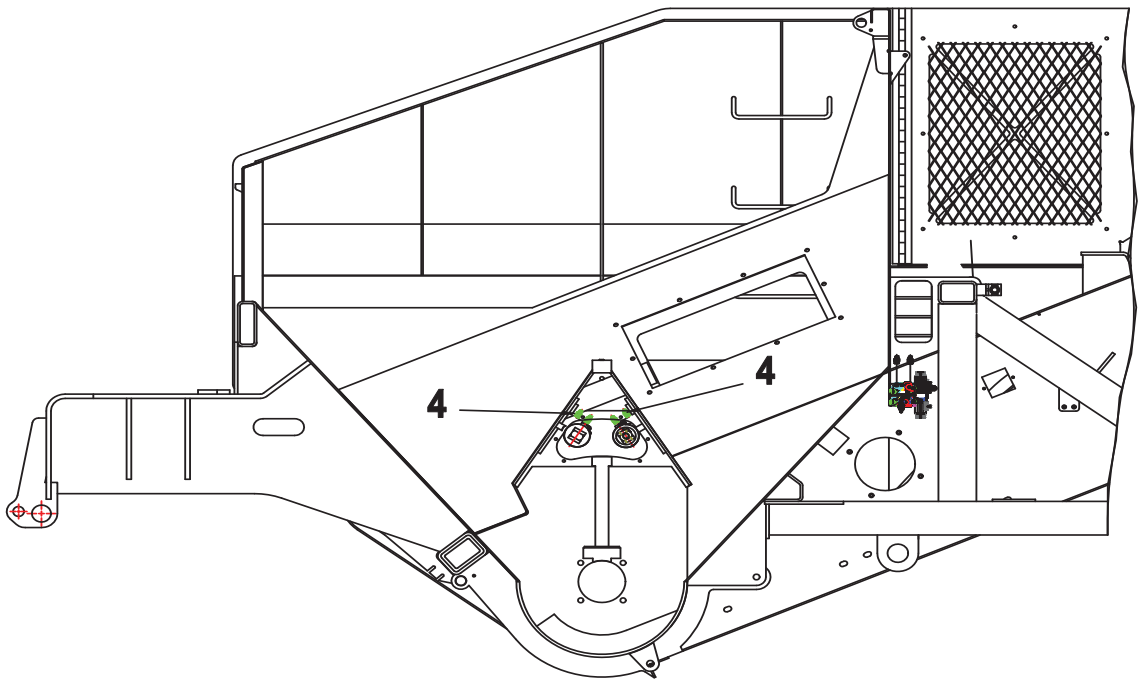
C-3 CONTROL MANIFOLD ASSEMBLY
(214886-02)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	211540-01	MANIFOLD - C-3 FUNCTIONS	1
2	83469-04	FIT - CONNECTOR 6 JIC - 8 SAE MALE	6
3	133995-04	FIT - 6 JIC X 10 SAE STR.	1
4	83704-04	FIT - CONNECTOR 8 JIC - 10 SAE MALE	1
5	84635-04	FIT - PLUG 6 SAE	1
6	20N62	BOLT - HEX 3/8-16 X 5"	2
7	83757	WASHER - FLAT 3/8 STEEL	2
8	83056	WASHER - LOCK 3/8 SPRING STEEL	2
9	83055	NUT - 3/8-16 HEX GRADE 8	2
10	136649-04	FIT - RESTRICTOR 3/32 ORIFICE	2
11	135942-04	FIT - RESTRICTOR 1/64 ORIFICE	2

FLOWGATE HYDRAULICS
(214927-01)

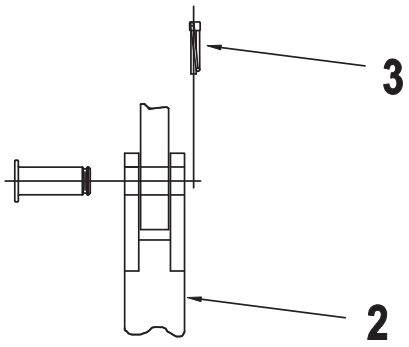
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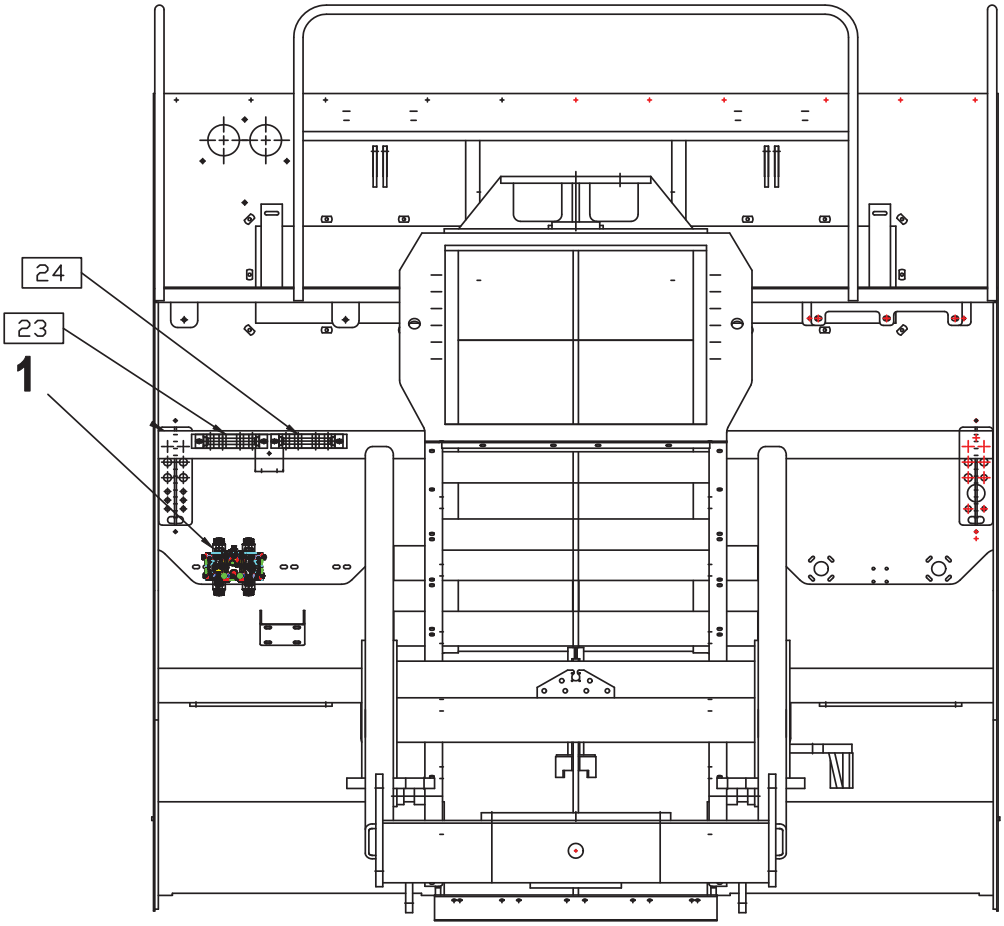


'SECTION A'

FLOWGATE HYDRAULICS
(214927-01)



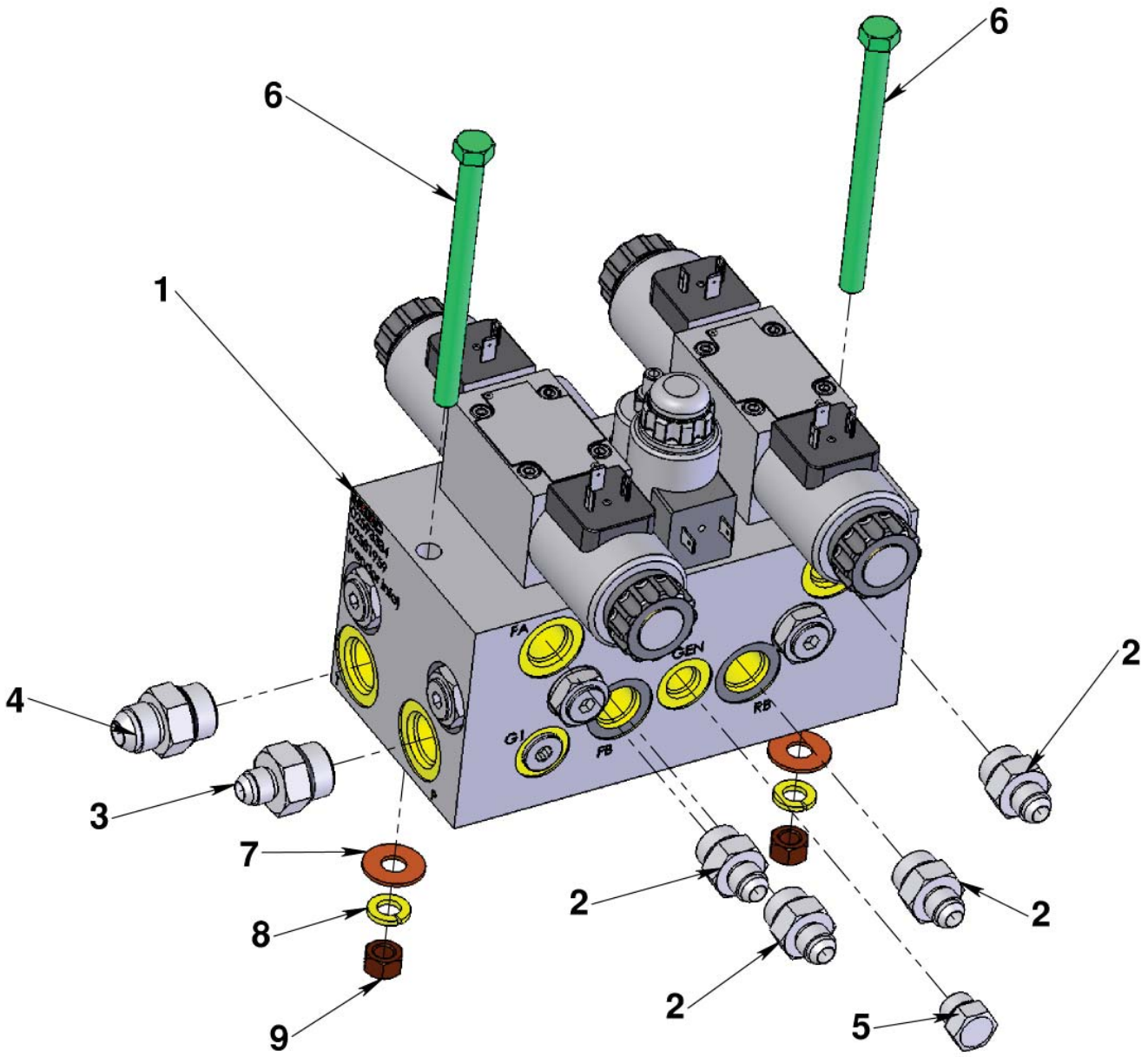
DETAIL 'A'
(4x SCALE)



FLOWGATE HYDRAULICS
(214927-01)

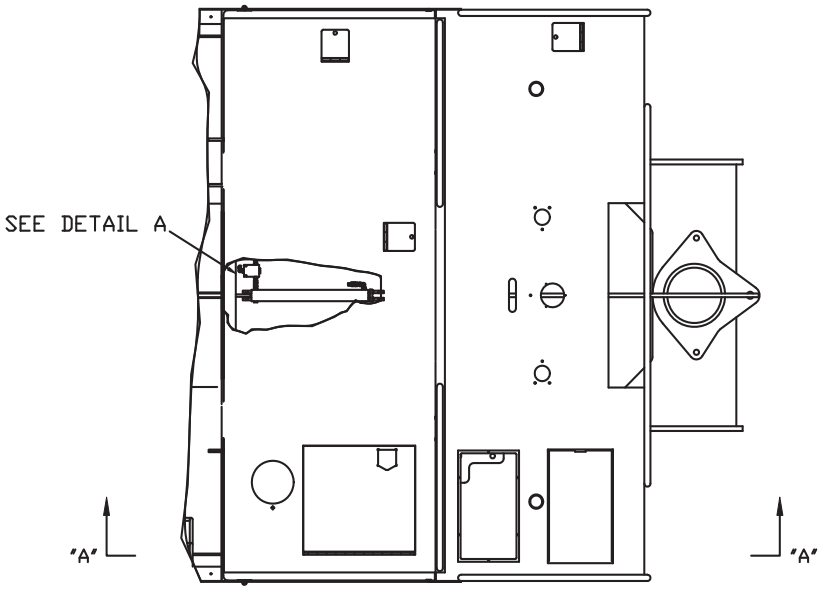
ITEM #	PART NO.	DESCRIPTION	QTY.
1	214889-02	VALVE - FLOW GATE / GENERATOR MANIFOLD	1
2	144894-01	CYLINDER - 3.00 BORE X 5.00 STROKE	2
3	144993-04	3/16" LYNCH PIN	4
4	83469-04	FIT - 8 SAE MALE X 6 JIC	4

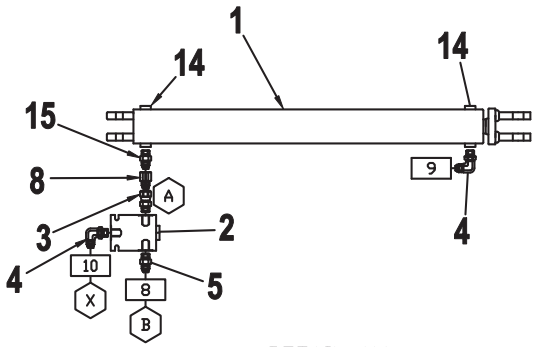
FLOWGATE CONTROL MANIFOLD ASSEMBLY
(214889-02)



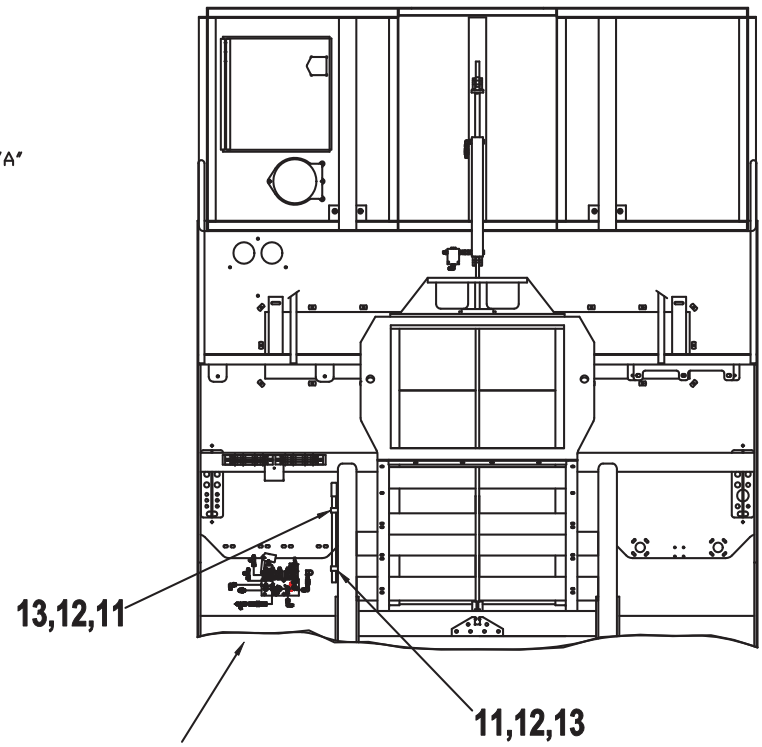
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211539-01	MANIFOLD * FLOW GATES/GENERATOR	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	4
3	133995-04	FIT * 6 JIC X 10 SAE STR.	1
4	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	1
5	84635-04	FIT * PLUG 6 SAE	1
6	20N62	BOLT * HEX 3/8"-16 X 5"	2
7	83757	WASHER ~ FLAT 3/8 STEEL	2
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
9	83055	NUT * 3/8-16 HEX GRADE 8	2

HOOD RAISE HYDRAULICS
(204266-01)

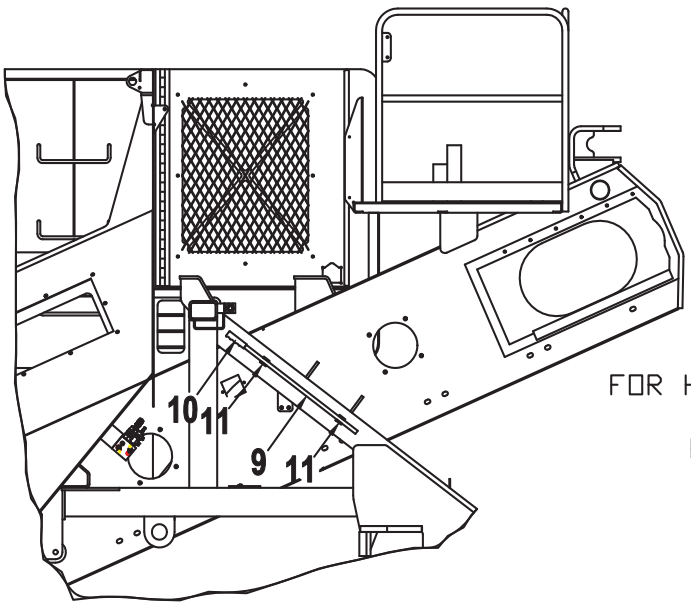




DETAIL 'A'



FOR HAND PUMP/PILOT VALVE MANIFOLD ASSEMBLY SEE PROPEL HYDRAULIC ASSY.



SECTION 'A'

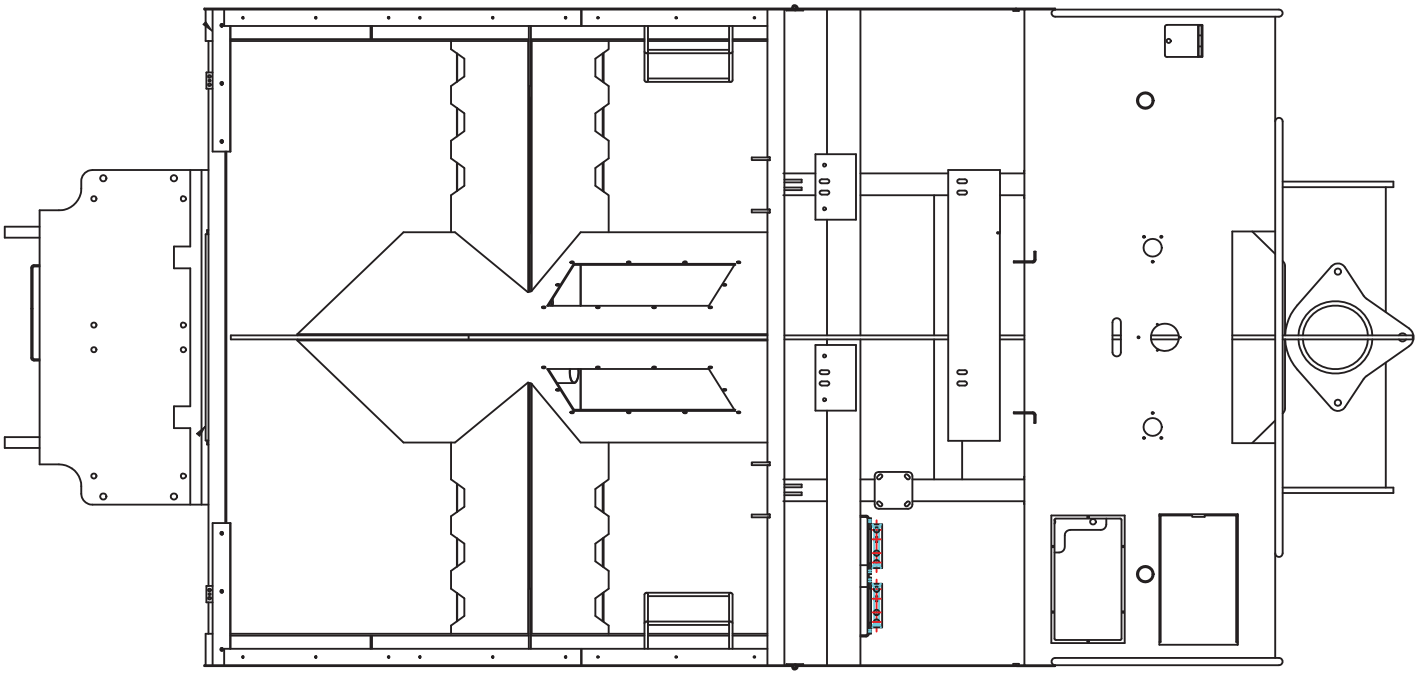
(XX) - ITEM
[XXX] - HOSE NUMBER
(XX) - MANIFOLD PORT

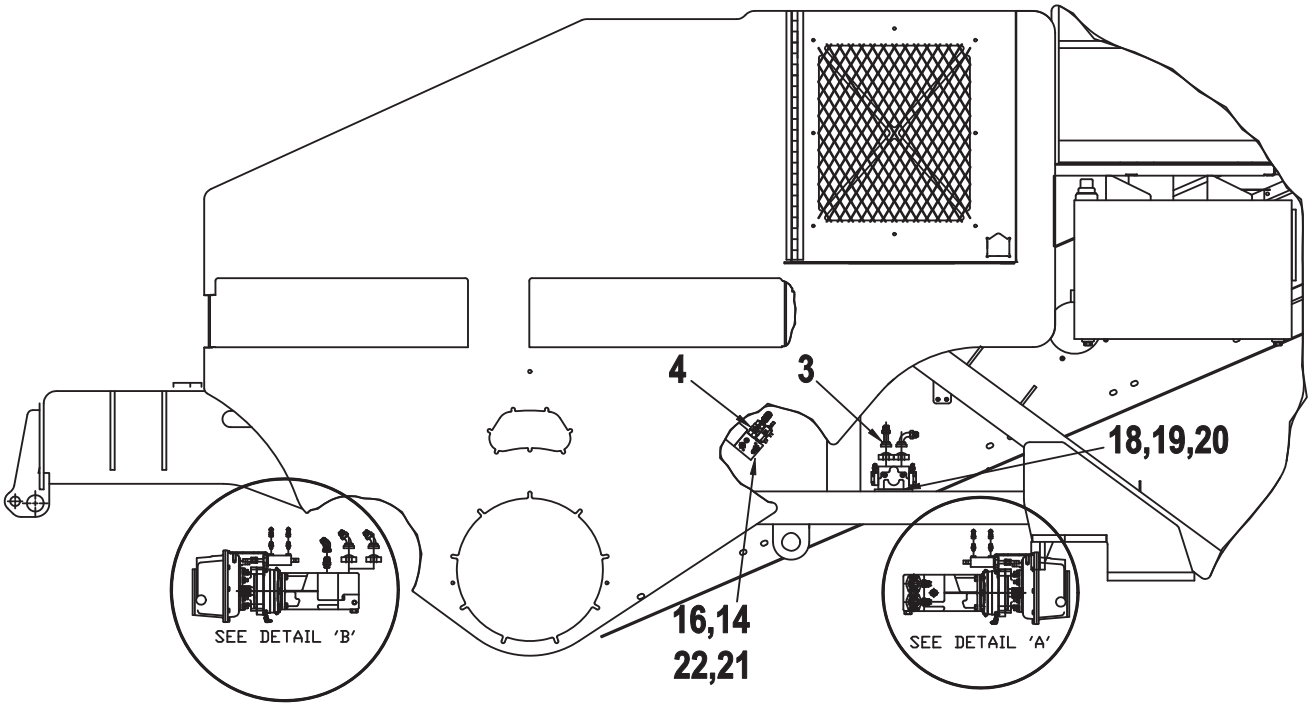
HOOD RAISE HYDRAULICS
(204266-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	201812-01	CYLINDER - 2" BORE X 16" STROKE	1
2	200591	HOLDING VALVE - P.O. CHECK	1
3	135923-04	FIT - 6 JIC X 6 SAE SWIVEL ST CONNECTOR	1
4	83734-04	FIT - 6 JIC X 6 SAE MALE 90 DEG. CONNECTOR	2
5	83735-04	FIT - 6 JIC 6 SAE ST	1
6			
7			
8	135409-04	FIT - RESTRICTOR 6 JIC X 1/32 ORIFICE	1
9	201315-03	DETAIL - HAND PUMP HANDLE	1
10	201253-04	GRIP - ROUND VINYL GRIP	1
11	98296-C1	KIT - CLIP	2
12	83114	HEX BOLT - 1/4-20 X 1/2"	2
13	83065	LOCK WASHER - 1/4" SPRING STEEL	2
14	84635-04	PLUG - 6 SAE	2
15	137703-04	FIT - 6 SAE X 6 JIC 45 DEG. ELBOW	1

PROPEL DRIVE HYDRAULICS
(221115-01)

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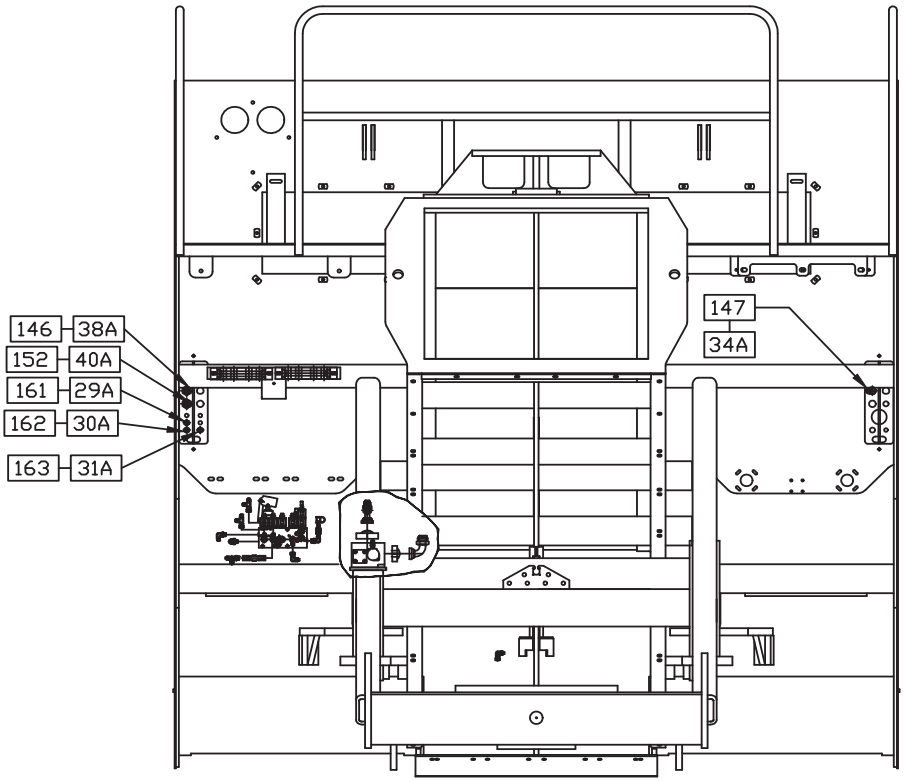


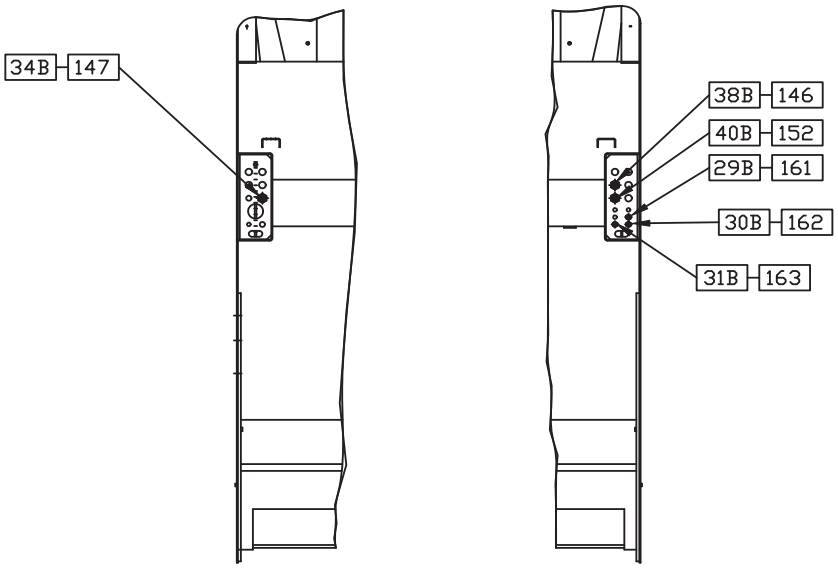


(X) - ITEM

[XXX] - HOSE NUMBER

PROPEL DRIVE HYDRAULICS
(221115-01)

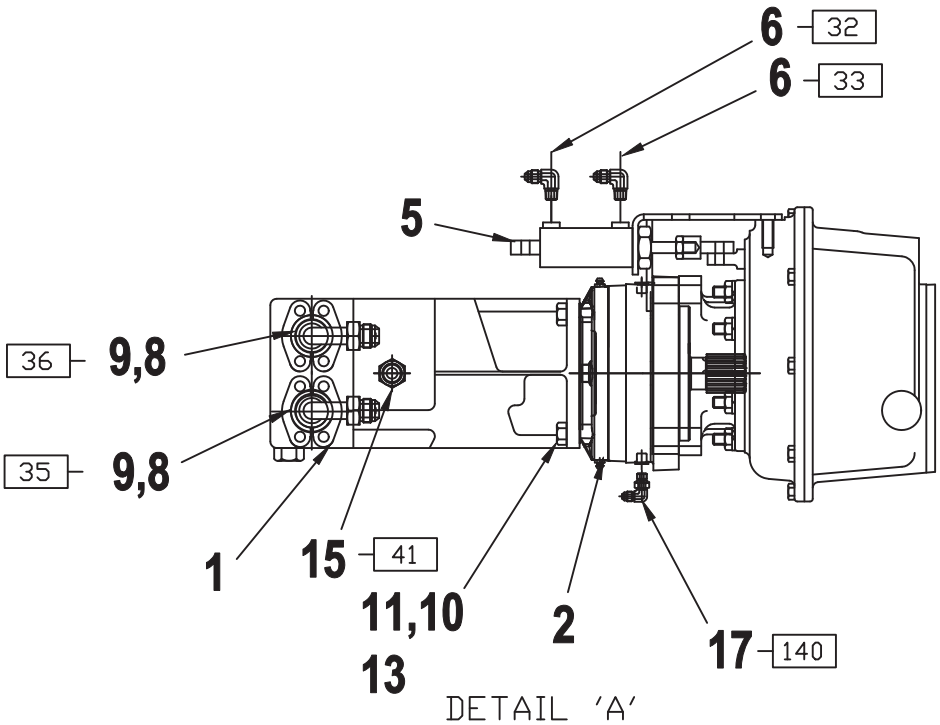




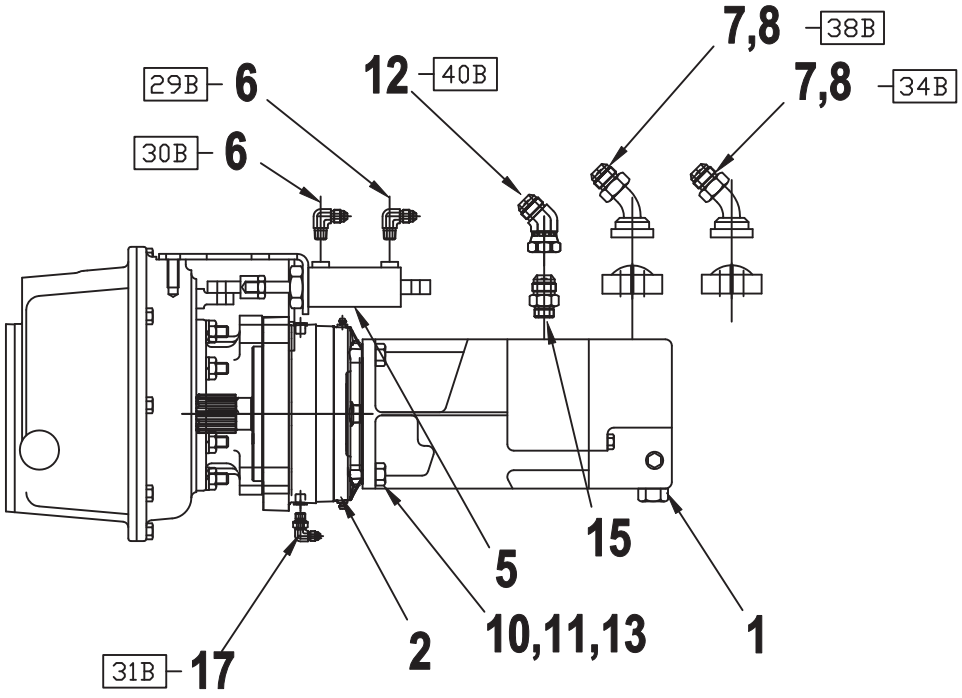
(X) - ITEM

XXX - HOSE NUMBER

PROPEL DRIVE HYDRAULICS
(221115-01)



DETAIL 'A'
SCALE 3X



DETAIL 'B'
SCALE 3X

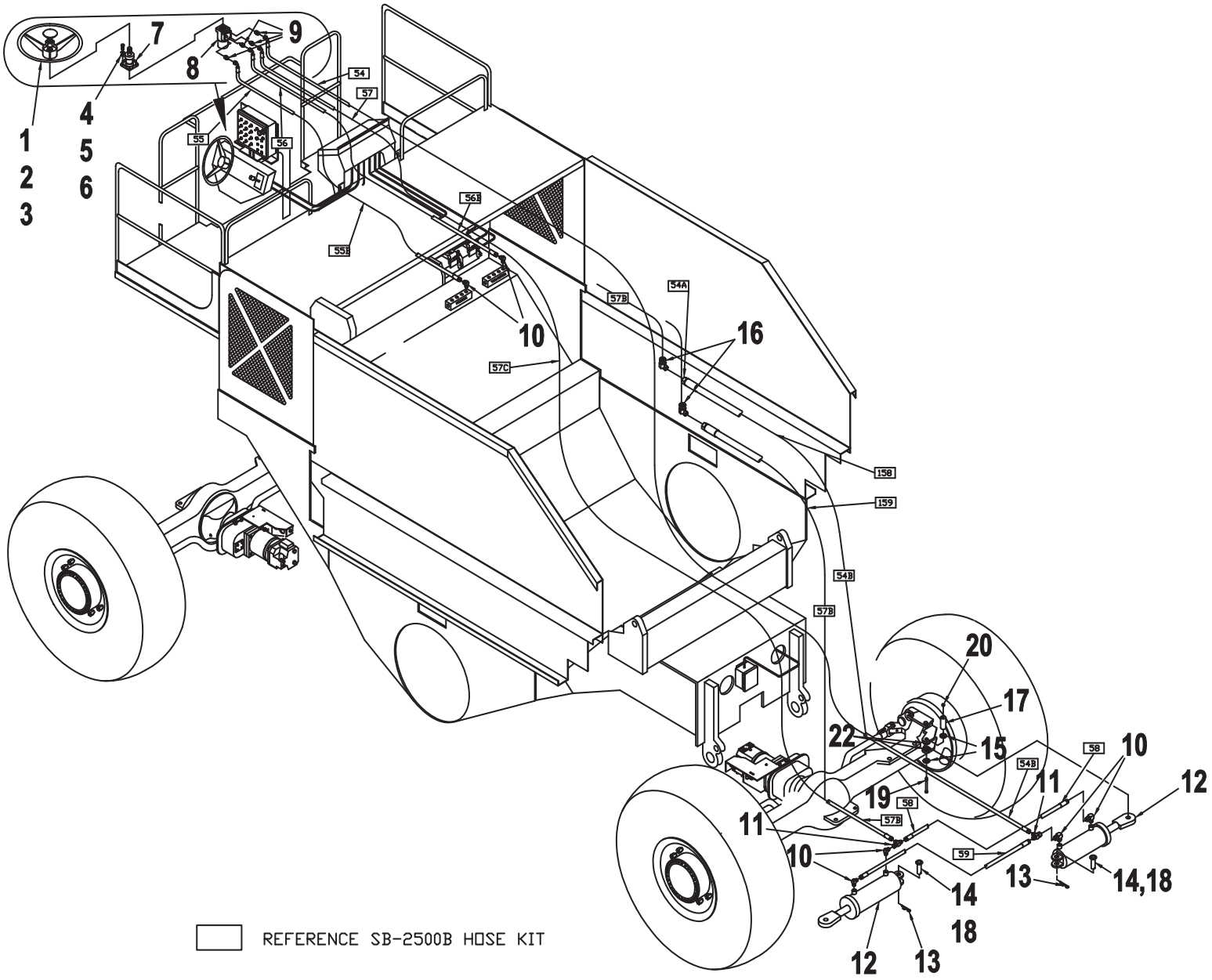
(x) - ITEM

[xxx] - HOSE NUMBER

PROPEL DRIVE HYDRAULICS
(221115-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	91681-04	MOTOR DRIVE	2
2	142483-01	BRAKE - MULTI-DISC WET	2
3	221111-02	DIFFERENTIAL LOCK VALVE SUB-ASSY.	1
4	202291-03	HAND PUMP / PILOT MANIFOLD SUB-ASSY.	1
5	130419	CYLINDER - 1.5 BORE X 1" STR. .5 ROD	2
6	128645	FIT - 6 JIC X 1/8" NPT 90 DEG. STEEL	4
7	96751	12 JIC X 16 FLG. 45 DEG. (CODE 62)	2
8	90729	16 FLANGE KIT (CODE 62)	4
9	83868-04	12 JIC X 16 FLG. 90 DEG. (CODE 62)	1
10	139741-04	CENTER LOCK NUT - 1/2-13 GR8	8
11	05707	CONICAL WASHER - 1/2"	8
12	90952-04	FIT - 12 JIC SWIVEL 45 DEG.	1
13	83627	ALLTHREAD - 1/2-13 X 4 1/4" LG	8
14	83757	FLAT WASHER - 3/8" STEEL	2
15	83705-04	FIT - 10 SAE X 12 JIC ST	2
16	83056	LOCK WASHER - 3/8" SPRING STEEL	2
17	83743-04	FIT - 4 SAE X 4 JIC 90 DEG.	2
18	86164	HEX BOLT - 1/2-13 X 1 1/4"	2
19	83317	LOCK WASHER - 1/2" SPRING STEEL	2
20	83781-04	FLAT WASHER - 1/2" STEEL	2
21	20N62	HEX BOLT - 3/8-16 X 5" GR8	2
22	83055	HEX NUT - 3/8-16 GR8	2

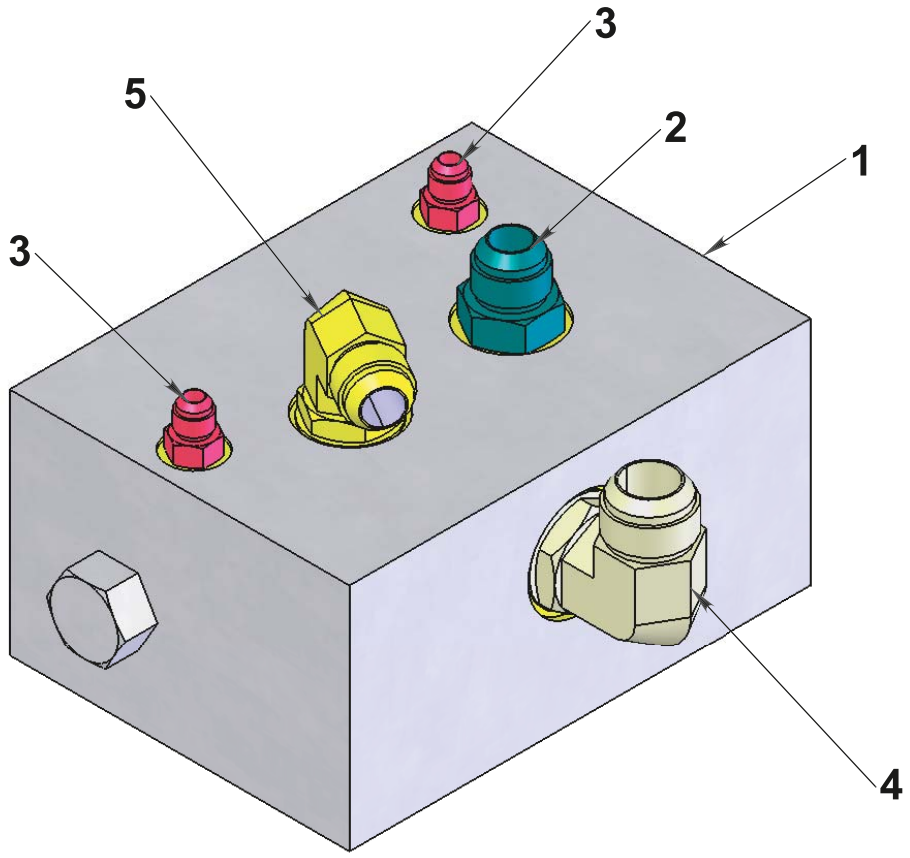
STEERING HYDRAULICS
(149416-01)



STEERING HYDRAULICS
(149416-01)

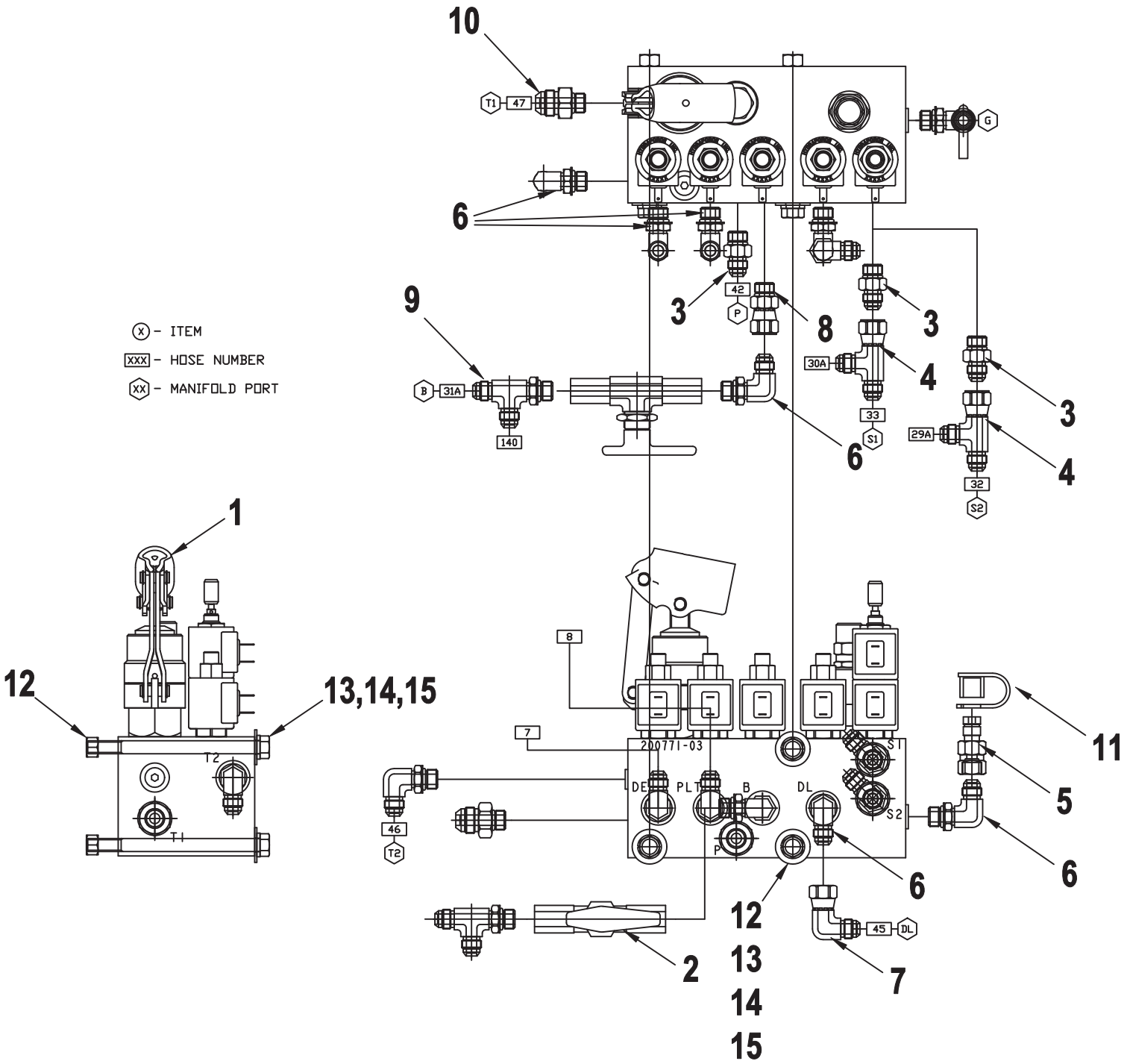
ITEM #	PART NO.	DESCRIPTION	QTY.
1	143112-03	STEERING WHEEL CAP (SEE 612 FAB. CODE)	REF
2	89045	STEERING WHEEL NUT (SEE 612 FAB. CODE)	REF
3	143111-01	STEERING WHEEL (SEE 612 FAB. CODE)	REF
4	83924	HEX BOLT - 3/8-16 X 1 1/2" GR8	4
5	83056	LOCK WASHER - 3/8"	4
6	83757	FLAT WASHER - 3/8"	6
7	80375-04	STEERING COLUMN	1
8	89048-04	STEERING VALVE	1
9	83469-04	FIT - 6 JIC X 8 SAE ST	4
10	84426-04	FIT - 6 JIC X 8 SAE 90 DEG. MALE	6
11	84636-04	FIT - 6 JIC SWIVEL RUN TEE	2
12	144895-01	CYLINDER - 3.50 BORE X 8.25 STROKE	2
13	93995	COTTER PIN - 5/32 X 2" LG	4
14	97149	FIT - GREASE 1/8" NPT - 90 DEG.	2
15	140174-04	WASHER - STEERING CYL. PIN	4
16	90768-04	FIT - 6 JIC 45 DEG. SWIVEL	2
17	140175-04	STEERING CYLINDER PIN (OUTSIDE)	2
18	130686-04	STEERING CYLINDER PIN (INSIDE)	2
19	20N62	HEX BOLT - 3/8 X 5"	2
20	92235	LOCK NUT - 3/8"	2
21			
22	122043-04	SPACER	4

ASSEMBLY- DIFF LOCK VALVE
(221111-02)



ITEM #	PART #	DESCRIPTION	QTY
1	220263-03	MANIFOLD * DIFF-LOCK BODY	1
2	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	1
3	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	2
4	91660	FIT * ELBOW 16 JIC - 16 SAE 90 DEG.	1
5	91664-04	FIT ~ ELBOW 12 JIC - 12 SAE 90 DEG.	1

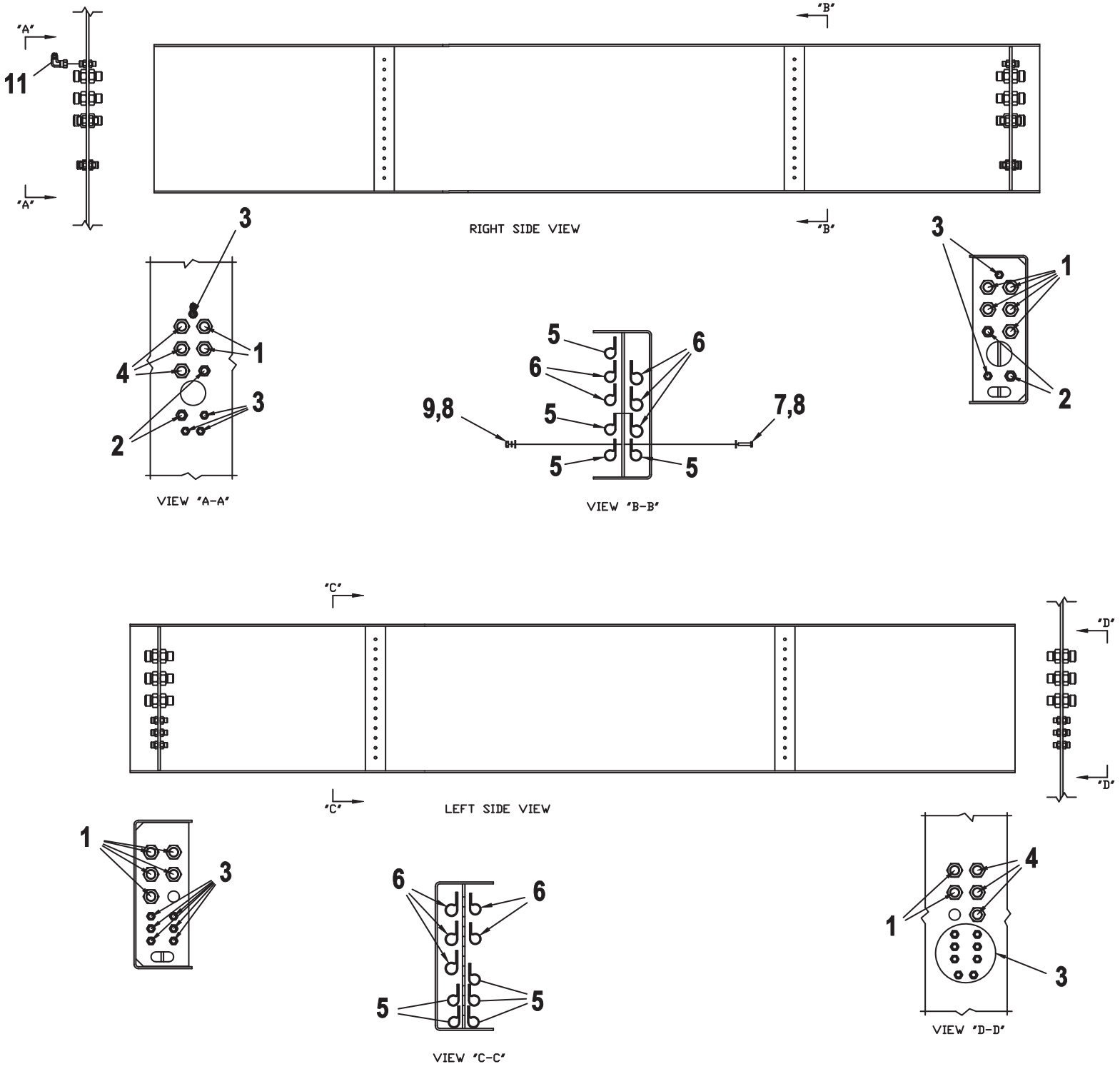
HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)



HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	200771-03	VALVE - HAND PUMP / PILOT MANIFOLD	1
2	131913-04	2-WAY BALL VALVE 6 SAE	1
3	83735-04	ADAPTER - 6 JIC - 6 SAE MALE	3
4	84636-04	SWIVEL RUN TEE - 6 JIC	2
5	131680-04	FIT - 6 JIC TEST PORT	1
6	83734-04	FIT - 6 SAE - 6 JIC 90 DEG.	6
7	83953-04	FIT - 6 JIC FEM. SWIVEL 90 DEG.	1
8	135923-04	FIT - 6 SAE M 6 JIC F SW. ST	1
9	91665-04	FIT - 6 SAE - 6 JIC RUN TEE	1
10	83462-04	FIT - 6 SAE - 8 JIC ST	1
11	85949-04	TEST PORT CAP	1
12	83055	HEX NUT - 3/8-16 GR8	3
13	20N62	HEX BOLT - 3/8-16 X 5"	3
14	83757	FLAT WASHER - 3/8" STEEL	3
15	83056	LOCK WASHER - 3/8" SPRING STEEL	3

HYDRAULIC CHANNEL ASSEMBLY.
(217053-01)



HYDRAULIC CHANNEL ASSEMBLY
(217053-01)

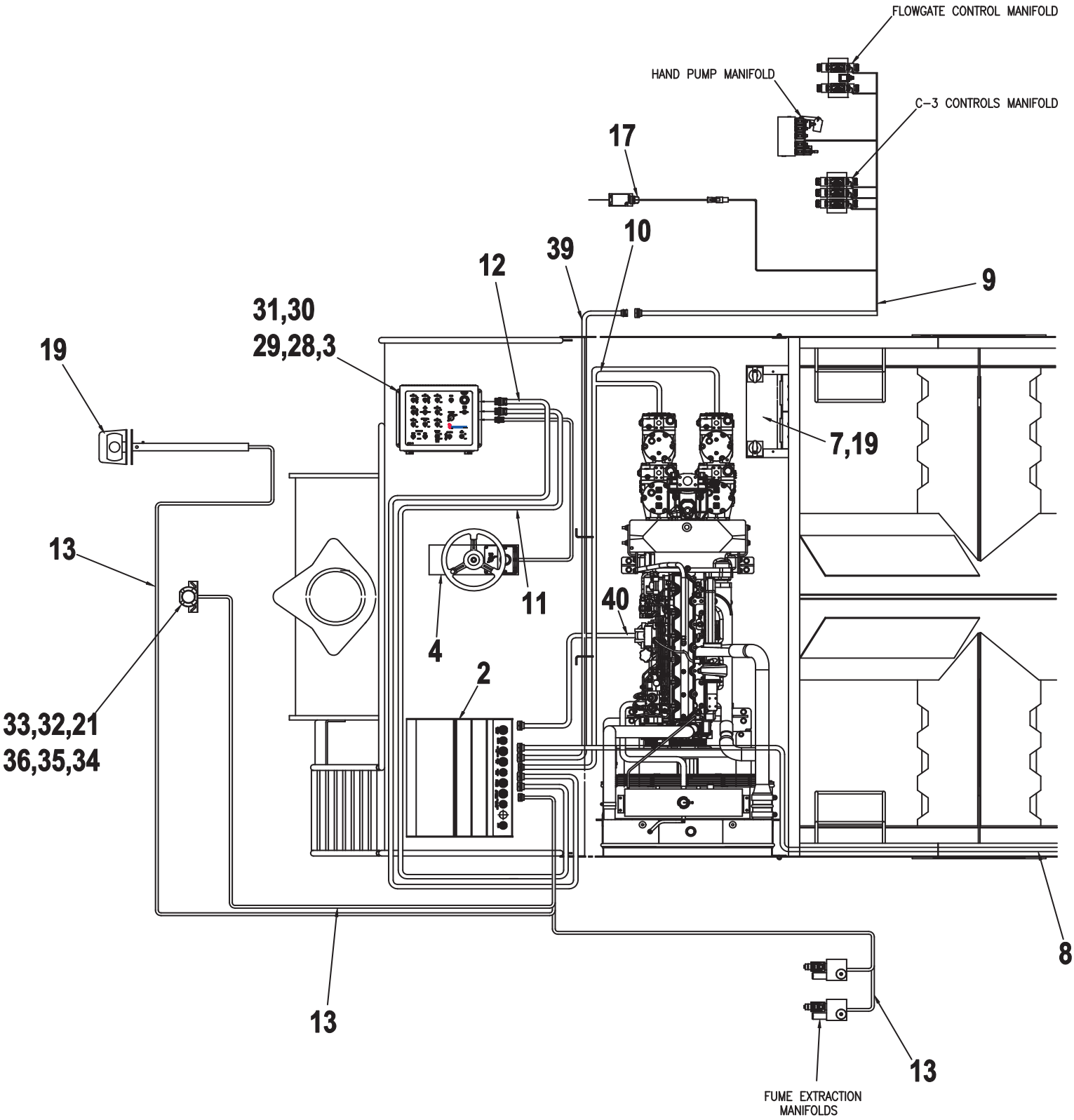
ITEM #	PART NO.	DESCRIPTION	QTY.
1	83476-04	FIT - 12 JIC BULKHEAD UNION	14
2	83453-04	FIT - 8 JIC BULKHEAD UNION	4
3	83475-04	FIT - 6 JIC BULKHEAD UNION	20
4	99986	FIT - 12 JIC 90 DEG. BULKHEAD UNION	6
5	95966	CLAMP - 7/8" CUSHION - TUBE (3/8" BOLT)	22
6	16P29	CLAMP - BOLT SIZE 1/2" HOSE	22
7	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	38
8	84444	FLAT WASHER - 1/4" STEEL	38
9	83065	LOCK WASHER - 1/4" SPRING STEEL	38
10	89772	HEX NUT - 1/4-20 GR8	38
11	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	1

SECTION 6 : ELECTRICAL

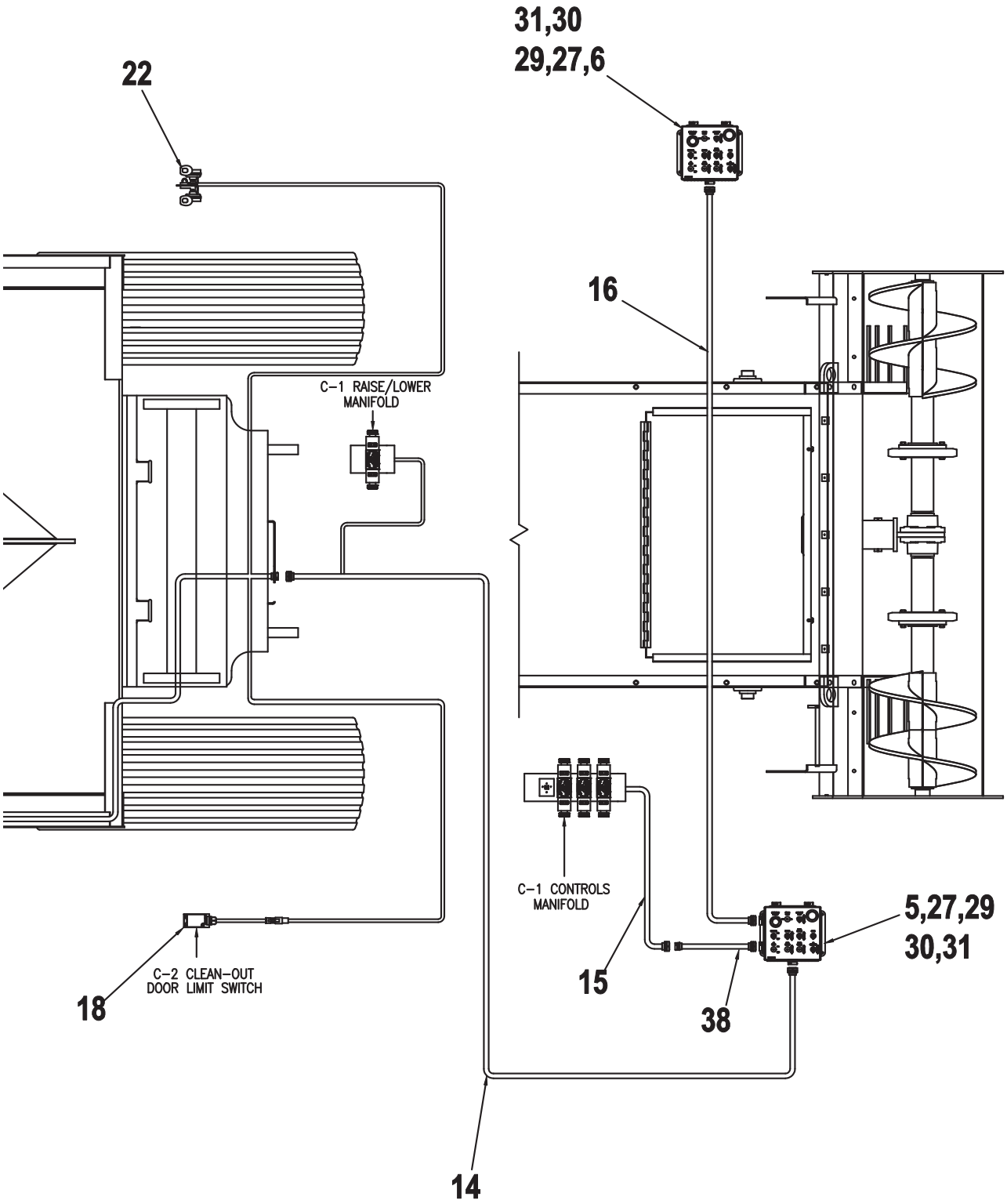
ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL	216482-01	848 & UP	6.1
CENTER CONSOLE	216438-01		6.5
STEERING BOX	216472-01		6.9
HARNESS, STEERING BOX CABLE 4	216475-01		6.12
HARNESS, STEERING BOX CABLE 4-1	214216-01		6.13
OPERATOR DRIVE CONSOLE	214568-03		6.14
L.H. C-1 CONTROL BOX	214262-01		6.15
R.H. C-1 CONTROL BOX	215520-01		6.19
HARNESS, R.H. C-1 CONTROL BOX	215556-01		6.23
HARNESS, (JUMPER) TO C-1 CONTROL BOX	215509-01		6.25
HARNESS, C-1 CONTROL BOX CROSSOVER	214222-02		6.27
BATTERY / ISO SWITCH CIRCUIT	217460-02		6.29
MAIN BREAKER & WASHDOWN HARNESS	203487-01		6.31
C-2 CLEAN-OUT DOOR LIMIT SWITCH & PIG TAIL	214279-03		6.32
HARNESS, VALVE STACK	215514-01		6.33
HARNESS, C-1 VALVE STACK	215510-02		6.35
HARNESS, C-1 VALVE STACK DIN PLUG	215511-02		6.36
LIMIT SWITCH W/ WOBBLE LEVER	214563-03		6.37
HARNESS, LIMIT SWITCH W/ WOBBLE LEVER	214541-03		6.38
HARNESS, FXS, BEACON, BACK-UP, & BRAKE	215507-02		6.39
HARNESS, PUMP	214212-01		6.40
HARNESS, ENGINE	216505-01		6.41
SCHEMATIC	216428-01		

SB-2500D ELECTRICAL ASSEMBLY.
(216482-01)

NEXT PAGE



SB-2500D ELECTRICAL ASSEMBLY.
(216482-01)

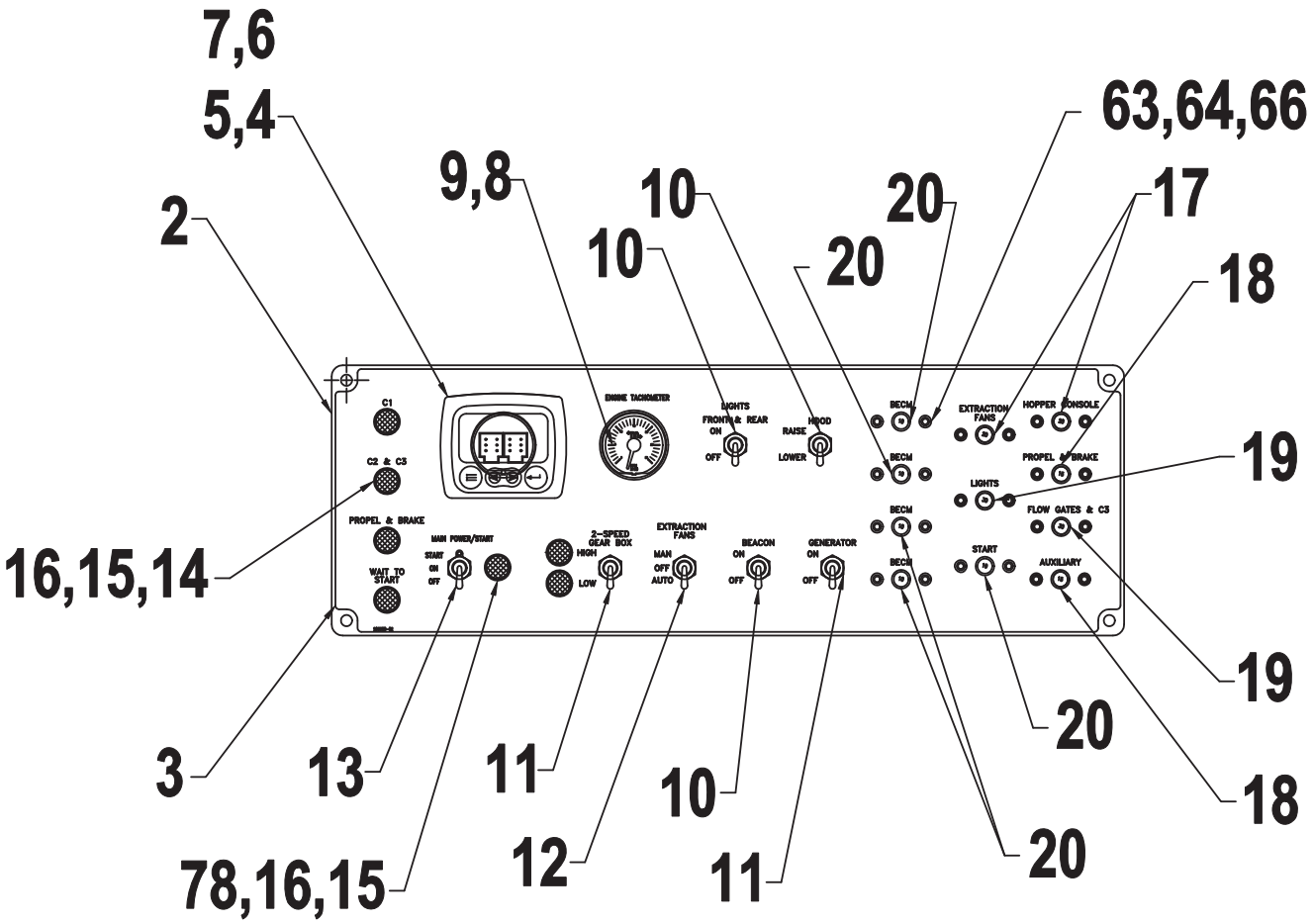


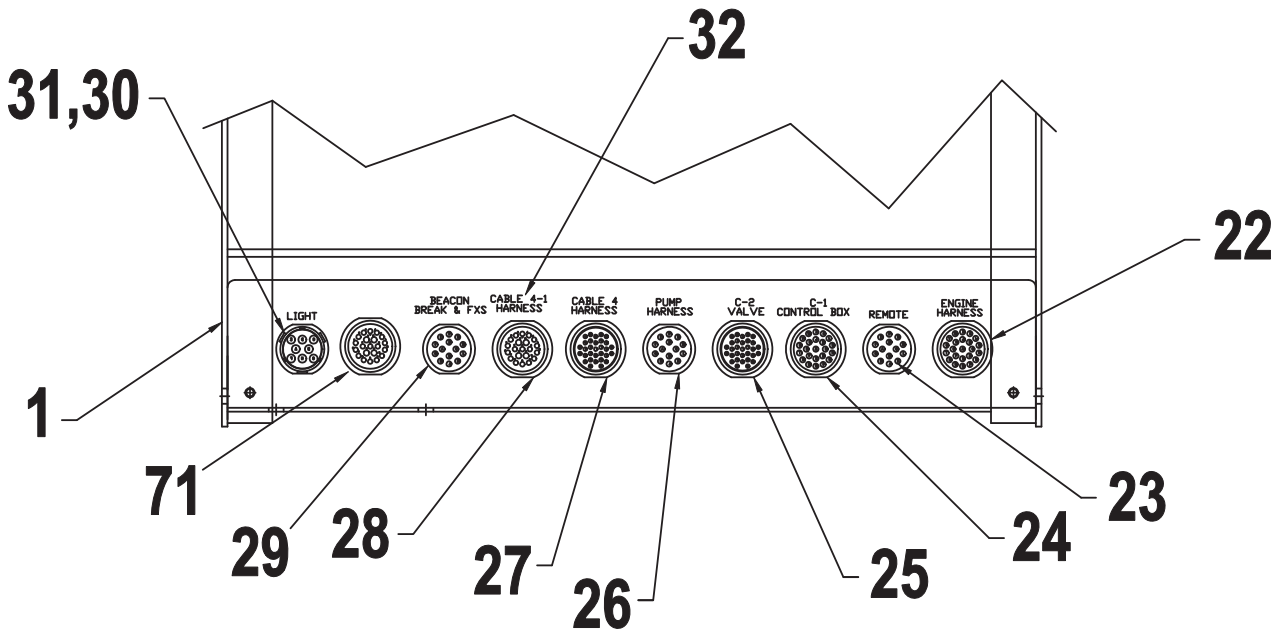
ELECTRICAL ASSEMBLY
(216482-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	216428-01	ELECTRICAL SCHEMATIC	1
2	216438-01	OPERATOR CONSOLE ELECTRICAL	1
3	216472-01	STEERING BOX ELECTRICAL ASSY.	REF
4	214568-03	OPERATOR DRIVE CONSOLE ELECTRICAL	1
5	215520-01	RH C-1 CONTROL BOX ASSY.	REF
6	214262-01	LH C-1 CONTROL BOX ASSY.	REF
7	217460-02	BATTERY & ISO SWITCH SUB-ASSY.	1
8	215509-01	WIRE HARNESS - JUMPER TO C-1 CONTROL BOX	REF
9	215514-01	WIRE HARNESS - C-2 VALVE STACK	REF
10	214212-01	WIRE HARNESS - PUMP	REF
11	216475-01	WIRE HARNESS - STEERING BOX CABLE 4	REF
12	214216-01	WIRE HARNESS - STEERING BOX CABLE 4-1	REF
13	215507-02	WIRE HARNESS - FXS, BEACON, BACK-UP & BRAKE	REF
14	215556-01	WIRE HARNESS - RH C-1 CONTROL BOX	REF
15	215511-02	WIRE HARNESS - C-1 VALVE STACK DIN PLUG	REF
16	214222-02	WIRE HARNESS - C-1 CONTROL BOX CROSSOVER	REF
17	214563-03	LIMIT SWITCH W/ WOBBLE SWITCH	1
18	214562-03	LIMIT SWITCH C-2 CLEAN OUT DOOR	1
19	203487-01	WIRE HARNESS - BREAKER & WASHDOWN	REF
20	214370-01	STROBE LIGHT ASSY.	1
21	215976-03	REVERSING ALARM ASSY.	1
22	97779-04	ALARM - TWIN TONE HORN	1
23	83657-04	WIRE TIE - 3/16" X 7" NYLON	300
24	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	200
25	83905-04	WIRE TIE - 1/4" X 14" NYLON	200
26	141038	3/4" ELECTRICAL TAPE X 60 YD.	6
27	89988-04	HEX BOLT - 1/4-20 UNC X 3/4"	12
28	89773	HEX BOLT - 1/4-20 UNC X 1"	4
29	89772	HEX NUT - 1/4-20 UNC	16
30	84444	FLAT WASHER - 1/4"	32
31	83065	LOCK WASHER - 1/4"	16
32	84332	HEX BOLT - 3/8-16 UNC X 1"	2
33	83055	HEX NUT - 3/8-16 UNC	2
34	83757	FLAT WASHER - 3/8"	4
35	83056	LOCK WASHER - 3/8"	2
36	139702-04	STAR WASHER - 3/8"	1
37	216481-02	KIT - WIRE HARNESS & BOXES	1
38	215510-01	WIRE HARNESS - C-1 VALVE STACK	REF
39	215513-02	WIRE HARNESS - VALVE STACK	REF
40	216505-01	WIRE HARNESS - ENGINE	REF
41	219962-03	WIRE - SB-2500D ENGINE GROUND	1

CENTER CONSOLE ELECTRICAL ASSEMBLY.
(216438-01)

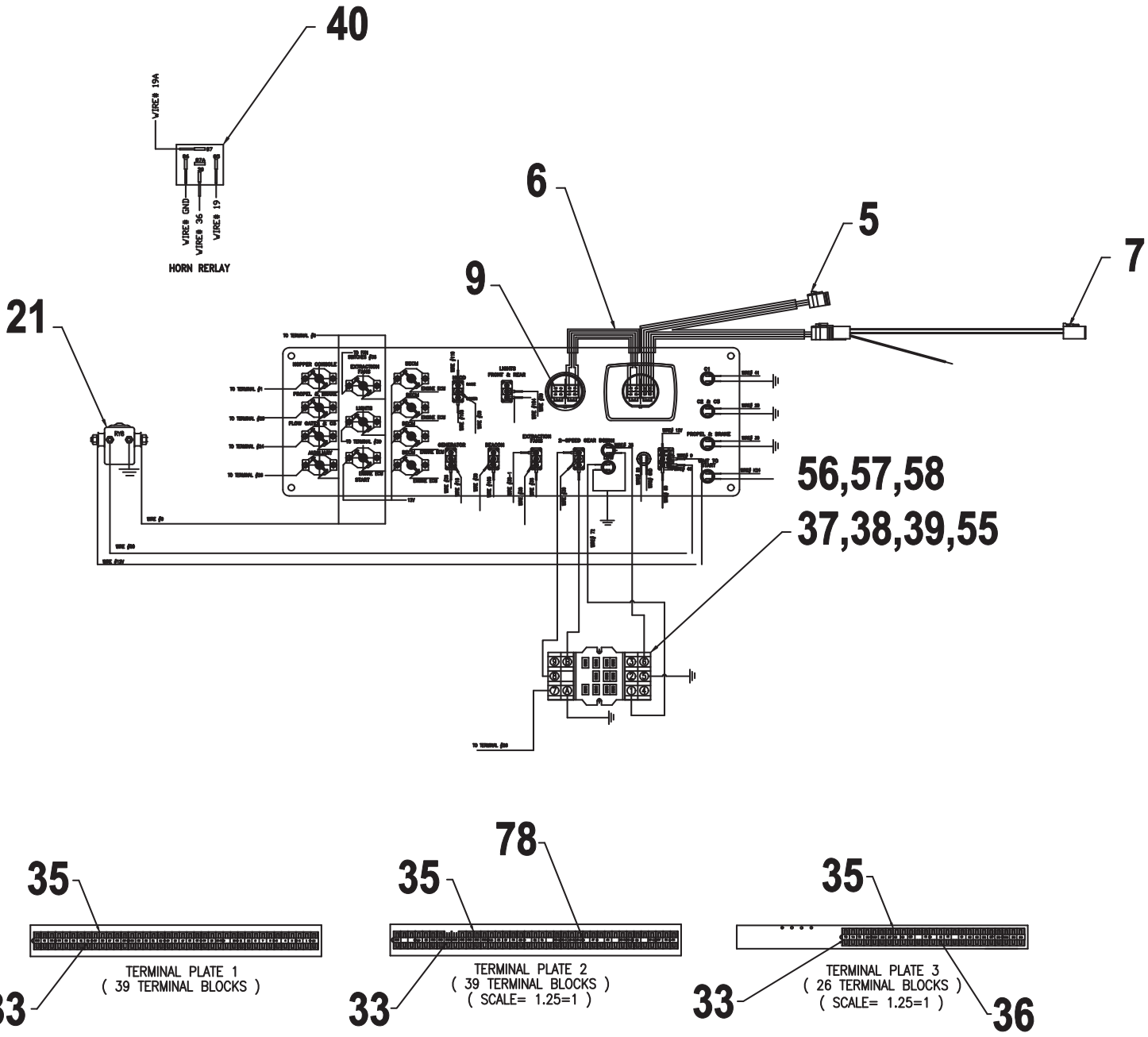
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CENTER CONSOLE ELECTRICAL ASSEMBLY.
(216438-01)



CENTER CONSOLE ELECTRICAL ASSEMBLY
(216438-01)

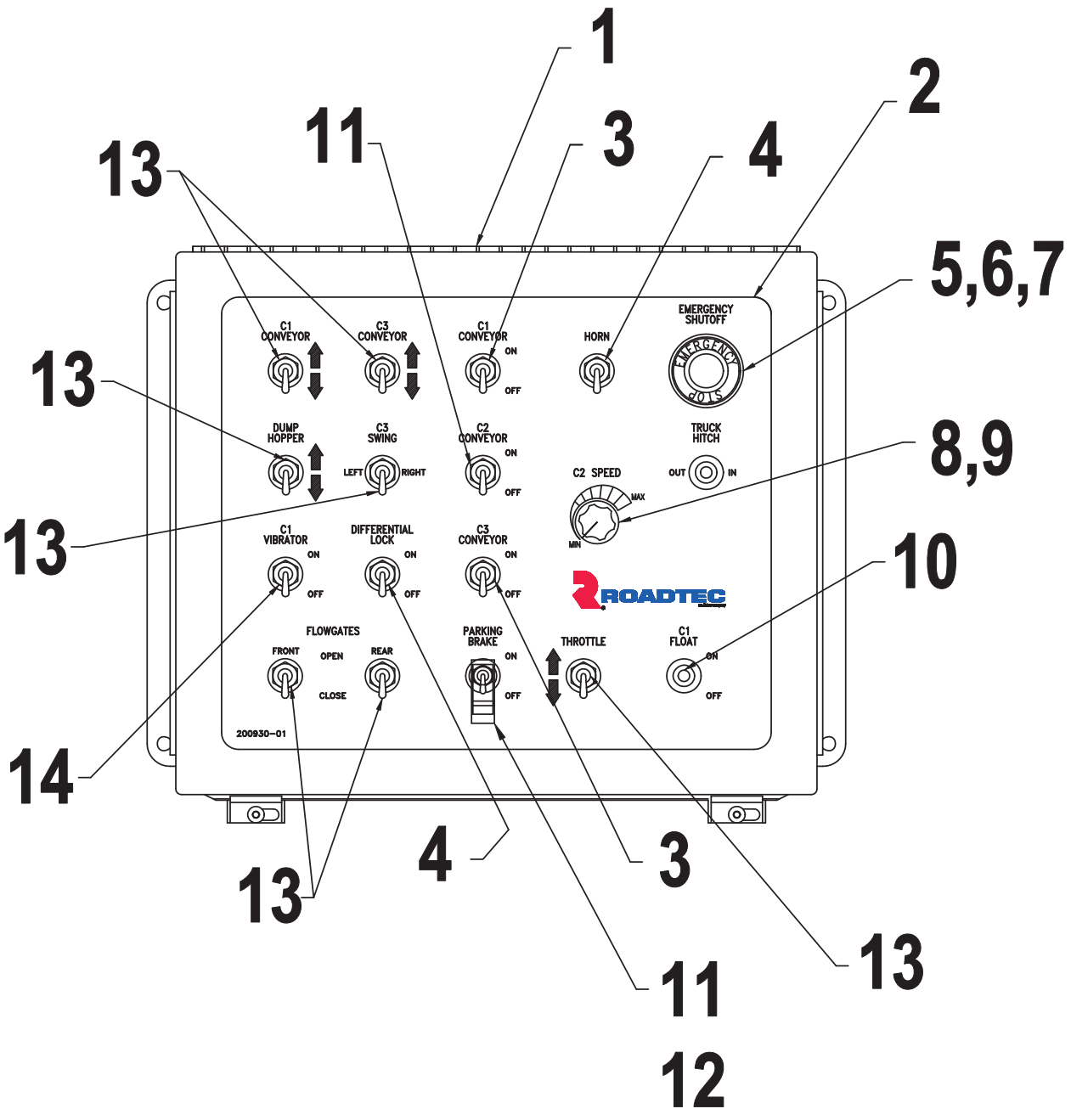
ITEM #	PART NO.	DESCRIPTION	QTY.
1	216437-01	CENTER CONSOLE WELDMENT	1
2	216436-03	CENTER CONSOLE COMPONENT PLATE	1
3	216435-02	DATA PLATE - CENTER CONSOLE	1
4	207662-03	GAUGE - DIAGNOSIC & DISPLAY	1
5	207719-03	WIRE HARNESS - CAM & POWER	1
6	207716-03	WIRE HARNESS - JUMPER 9"	1
7	207717-03	WIRE HARNESS - POWER VIEW	1
8	207664-03	GAUGE - TACHOMETER	1
9	207668-04	POWER VIEW JUMPER TERM RESISTOR	1
10	13E68	TOGGLE SWITCH	3
11	139471	TOGGLE SWITCH	2
12	20P56	TOGGLE SWITCH	1
13	87311-04	TOGGLE SWITCH	1
14	80448-04	LIGHT - GREEN JEWEL LENS	6
15	128180	LIGHT BULB 12V	7
16	80449-04	LIGHT SOCKET	7
17	90089	CIRCUIT BREAKER - 20 AMP	2
18	13A04	CIRCUIT BREAKER - 15 AMP	2
19	92523-04	CIRCUIT BREAKER - 30 AMP	2
20	90088	CIRCUIT BREAKER - 10 AMP	5
21	135727-04	POWER RELAY 12V 65 AMP	2
22	216504-01	PIG TAIL - ENGINE	REF
23	214210-02	PIG TAIL - REMOTE START	REF
24	215508-02	PIG TAIL - C1 CONTROL BOX	REF
25	215512-02	PIG TAIL - C2 VALVE STACK	REF
26	214211-02	PIG TAIL - PUMPS	REF
27	216474-02	PIG TAIL - STEERING BOX CABLE 4	REF
28	214215-02	PIG TAIL - STEERING BOX CABLE 4-1	REF
29	215506-02	PIG TAIL - FXS, BEACON, BACK-UP ALARM & BRAKES	REF
30	214311-03	PIG TAIL - FRONT & REAR LIGHTS	REF
31	212815-04	DEUTSCH CAP - SIZE 16	1
32	214266-04	DECAL KIT - DEUTSCH PLUG	1
33	217317-02	DATA PLATE KIT - TERMINAL STRIP ID	1
34	138601-03	DECAL - ALUM NUMBER STICKER	1
35	13C69	TERMINAL BLOCK	103
36	97976	ADHESIVE MOUNT	46
37	96776X	RELAY - LATCHING DPDT	1
38	96777	RELAY - BASE	1
39	96777-C1	KIT - CLIP	1
40	121746-04	RELAY - BOSCH 12V	3
41	93253	WIRE TERMINAL	20
42	90554	RING TERMINAL # 10	20
43	28Y52	FEMALE TERMINAL	300
44	93986	RING TERMINAL	3
45	121538	FEMALE TERMINAL	2

CENTER CONSOLE ELECTRICAL ASSEMBLY
(216438-01)

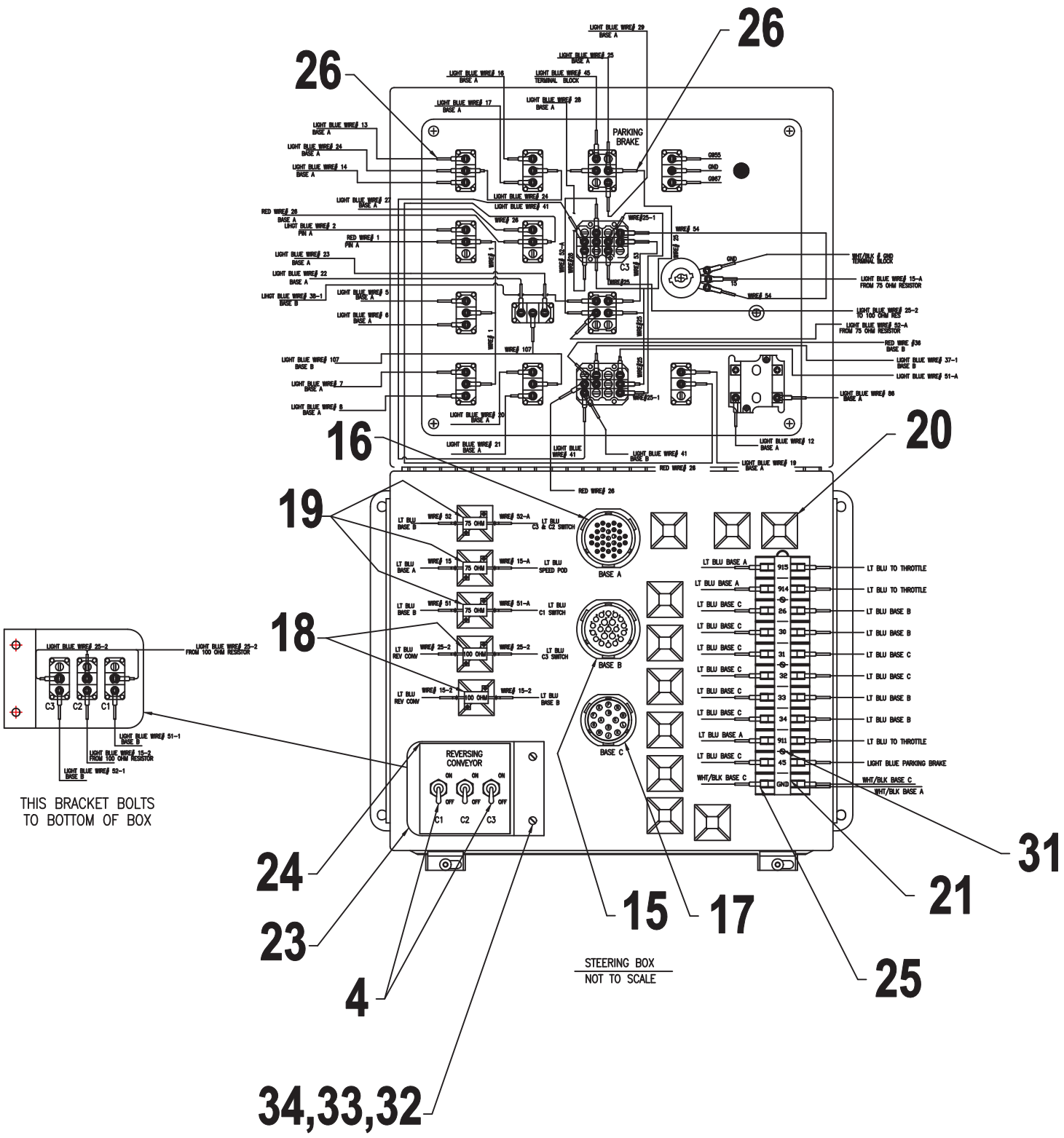
ITEM #	PART NO.	DESCRIPTION	QTY.
46	90553	RING TERMINAL 1/4"	2
47	93988	STUD - 10 AWG 5/16"	3
48	128219	RING TERMINAL	4
49	97735	FEMALE TERMINAL	6
50	121539	MALE TERMINAL	3
51	98319	FEMALE SPADE TERMINAL	10
52	83856-04	WIRE TIE - 3/16 X 4"	57
53	126976	WIRE TIE - 3/16 X 5 1/2"	43
54	83657-04	WIRE TIE - 3/16 X 7"	12
55	06996	SCREW - M3-0.5 X 20	3
56	04762	NUT - M3-0.5	3
57	92554	FLAT WASHER - # 6	3
58	131551	FLAT LOCK - # 6	3
59			
60			
61			
62	135807-04	SCREW - 10-32 X 1"	22
63	90101	SCREW - 10-32 X 3/4"	22
64	90102	HEX NUT - 10-32	26
65	92552	FLAT WASHER - # 10	48
66	90103	FLAT LOCK - # 10	12
67	96476	HEX BOLT - 3/8-16 UNC X 1 1/4" (ECM)	3
68	83757	FLAT WASHER - 3/8"	3
69	83065	LOCK WASHER - 3/8"	3
70	141825-A1	KIT - WIRE MARKERS	1
71	216911-02	PIG TAIL - WINDROW	REF
72	210423-04	WIRE - 16 AWG SINGLE RED	1152"
73	95578	WIRE - 16 AWG SINGLE WHITE / BLACK	1008"
74	210425-04	WIRE - 16 AWG SINGLE YELLOW	2880"
75	87856-04	WIRE - 12 AWG SINGLE WHITE / BLACK	120"
76	87856-04	WIRE - 12 AWG SINGLE RED	720"
77	95019	WIRE - 10 AWG SINGLE RED	96"
78	91207	SCREW - 10-32 X 1"	70
79	80446-04	LIGHT - RED JEWEL LENS	1

STEERING BOX ELECTRICAL ASSEMBLY.
(216472-01)

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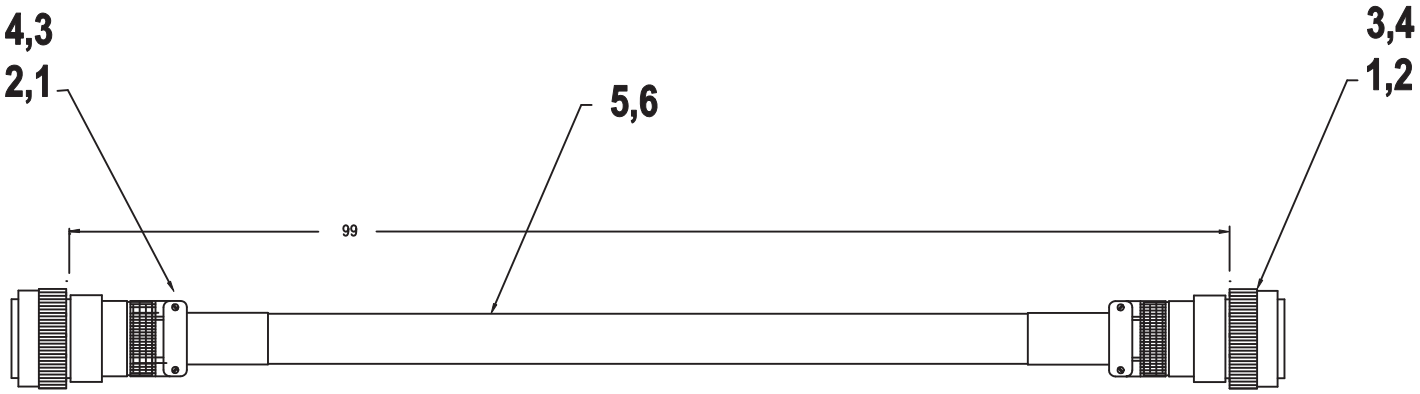
STEERING BOX ELECTRICAL ASSEMBLY.
(216472-01)



STEERING BOX ELECTRICAL ASSEMBLY
(216472-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	216470-01	STEERING CONTROL BOX	1
2	216469-01	DATA PLATE - STEERING CONTROL BOX	1
3	20Z53	SELECTOR SWITCH	2
4	97542	TOGGLE SWITCH	5
5	93251-04	SWITCH - EMERGENCY STOP	1
6	93250-04	EMERGENCY STOP CONTACT BLOCK	1
7	93251-04-C3	EMERGENCY STOP BUTTON	1
8	130406	ROTARY POT 25 WATT 100 OHM	1
9	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
10	97944-04	HOLE PLUG - 1/2"	2
11	97678	TOGGLE SWITCH	2
12	97490-C1	SWITCH COVER	1
13	139471	TOGGLE SWITCH	7
14	13E68	TOGGLE SWITCH	1
15	214389-02	PIG TAIL - STEERING BOX CABLE 4-1	1
16	216476-02	PIG TAIL - STEERING BOX CABLE 4	1
17	214225-02	PIG TAIL - JOYSTICK	1
18	97621	RESISTOR - 100 OHM 10 WATT	2
19	120275	RESISTOR - 75 OHM 10 WATT	3
20	97976	ADHESIVE MOUNT	30
21	13C69	TERMINAL BLOCK	11
22	213723-04	DATA PLATE - ID STRIP	1
23	121388-02	BRACKET - OPERATOR CONSOLE	1
24	127431-04	DATA PLATE - REVERSING CONVEYOR	1
25	210432-04	CONNECTOR - AMP FEMALE 16 AWG	20
26	93253	RING TERMINAL - 16 AWG	61
27	121396	FEMALE TERMINAL	10
28	93988	RING TERMINAL - 5/16	1
29	83856-04	WIRE TIE - 3/16 X 4 NYLON	48
30	126976	WIRE TIE - 3/16 X 5 1/2 NYLON	44
31	135807-04	SLOT HD. SCREW - 10-32 X 1"	3
32	90101	SLOT HD. SCREW - 10-32 X 3/4"	2
33	90103	LOCK WASHER - # 10	2
34	92552	FLAT WASHER - # 10	4

HARNESS- STEERING BOX CABLE 4
(216475-01)

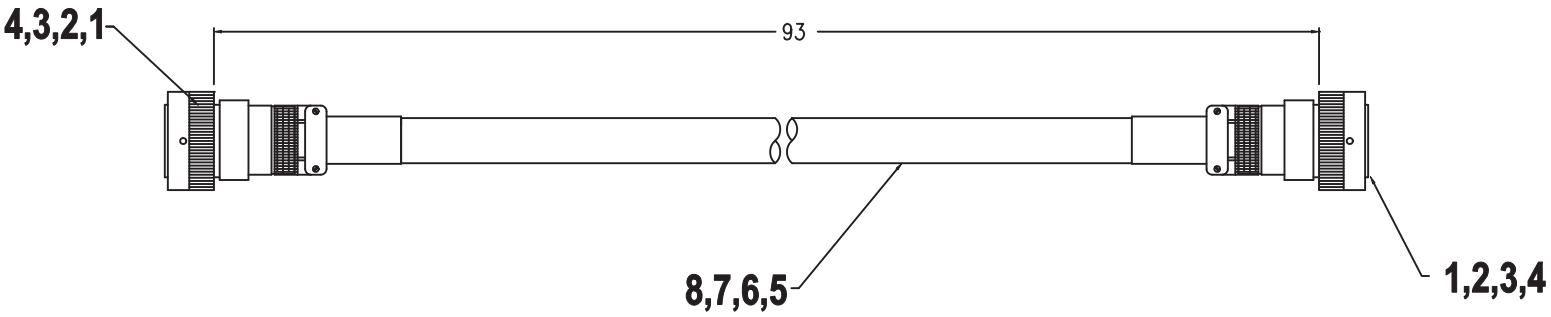


31 PIN LAY-OUT

PIN	COLOR	WIRE #	FUNCTION
1	LIGHT BLUE	27	DIFF LOCK
2	LIGHT BLUE	6	TRUCK DUMP
3	LIGHT BLUE	13	FLOW GATES
4	LIGHT BLUE	21	C3 LIFT
5	LIGHT BLUE	29	PARKING BRAKE
6	LIGHT BLUE	8	C1 LIFT
7	LIGHT BLUE	2	12 VOLTS
8	LIGHT BLUE	86	E-STOP
9	RED	1	VIBRATOR
10	LIGHT BLUE	5	TRUCK DUMP
11	RED	26	12 VOLTS
12	LIGHT BLUE	28	PARKING BRAKE
13	LIGHT BLUE	19	HORN
14	LIGHT BLUE	16	FLOW GATES
15	LIGHT BLUE	17	FLOW GATES
16	LIGHT BLUE	15	C2 ON
17	LIGHT BLUE	7	C1 LIFT
18	LIGHT BLUE	12	E-STOP
19	LIGHT BLUE	23	C3 SWING
20	LIGHT BLUE	14	FLOW GATES
21	LIGHT BLUE	3	TRUCK HITCH
22	RED	24	12 VOLTS
23	RED	25	12 VOLTS
24	LIGHT BLUE	20	C3 LIFT
25	LIGHT BLUE	22	C3 SWING
26	LIGHT BLUE	4	TRUCK HITCH
27	WHITE/BLACK	GND	THROTTLE
28	LIGHT BLUE	G955	THROTTLE
29	LIGHT BLUE	G967	THROTTLE
30			
31			

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211957-04	DEUTSCH 31 PIN PLUG W/ CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	60
3	133741-04	SEALING PLUG	4
4		WIRE - 16 AWG RED (126-16800-500-22)	396"
5		WIRE - 16 AWG LIGHT BLUE (126-16800-500-22L)	2376"
6	143719	SPLIT LOOM - 1 1/4"	99
7		WIRE 16 AWG WHITE/BLACK (126-16800-500-90)	99"

HARNESS- STEERING BOX CABLE 4-1
(214216-01)



21 PIN DETAIL

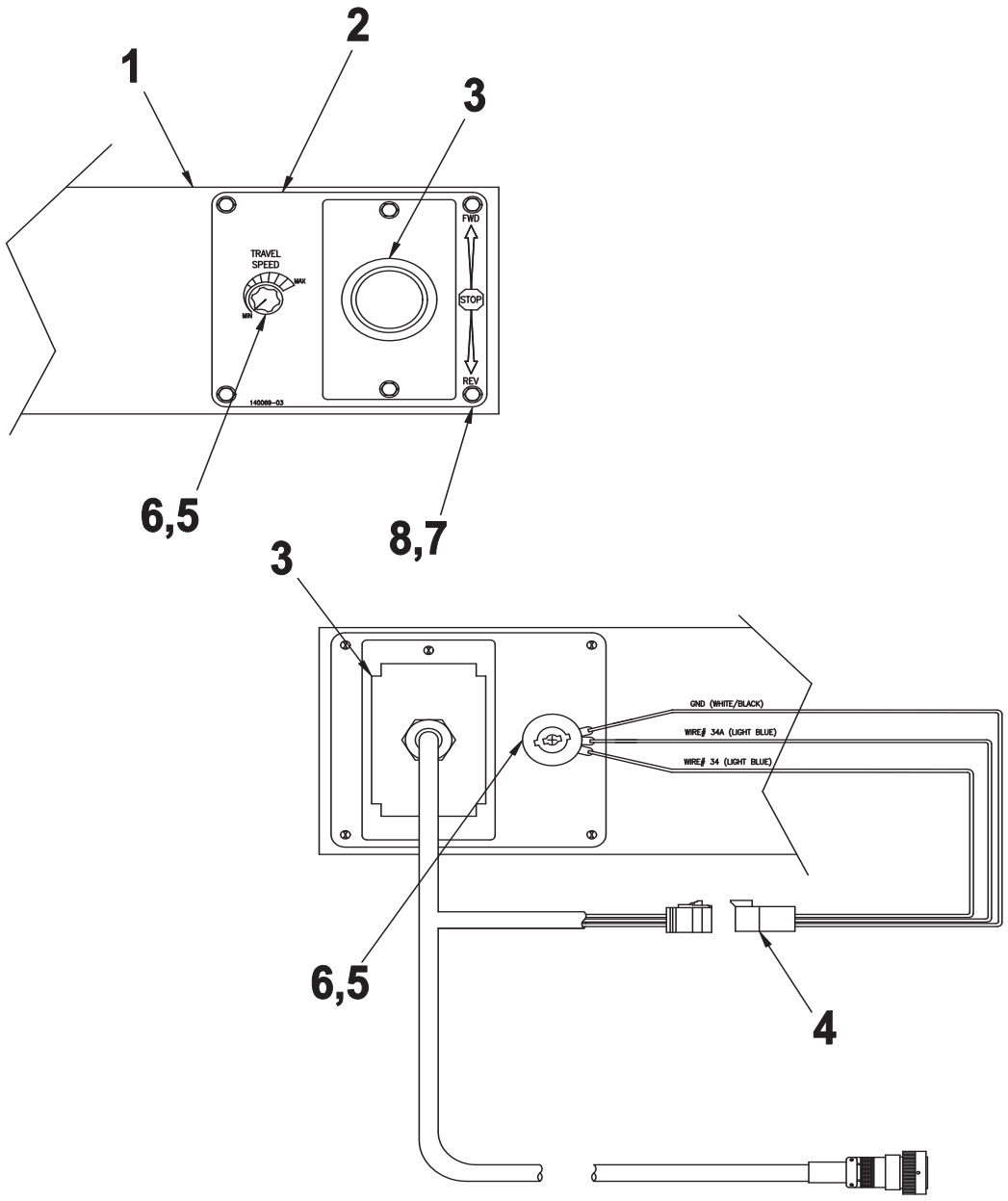
	PIN	COLOR	WIRE #	FUNCTION
	A	LIGHT BLUE	32	PROPEL JOYSTICK B
*	B			
	C	RED	26	12 VOLTS
*	D			
*	E	WHITE/BLACK (12 AWG)	GND	GROUND
	F	LIGHT BLUE	30	STARTER RELAY
*	G			
	H	RED	36	12 VOLTS
	J	LIGHT BLUE	31	BACK UP ALARM
	K	LIGHT BLUE	34	BRAKE PRESSURE SWITCH
	L	LIGHT BLUE	38-1	C2 CONVEYOR
	M	LIGHT BLUE	33	PROPEL JOYSTICK A
	N	LIGHT BLUE	37-1	C2 CONVEYOR
	P	LIGHT BLUE	15-2	C1 PUMP
	R	LIGHT BLUE	41	C3 PUMP
	S	LIGHT BLUE	51	C3 CONVEYOR
	T	LIGHT BLUE	63	C1 NEUTRAL LIGHT
	U	LIGHT BLUE	52	C1 PUMP
	V	LIGHT BLUE	107	C1 FLOAT
	W	LIGHT BLUE	51-1	C3 PUMP
	X	LIGHT BLUE	52-1	C3 CLEAN OUT DOOR

* NOTE: PINS B, D, E & G IS 12 AWG

16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211949-04	PLUG - 21 PIN DEUTSCH REVERSE W/ CLAMP	2
2	137176-04	PIN CONNECTOR - 16 AWG	34
3	139060-04	PIN CONNECTOR - 12 AWG	2
4	133741-04	SEAL PLUGS	6
5		WIRE - 16 AWG LIGHT BLUE (126-16800-5000-66L)	1395"
6		WIRE - 12 AWG WHITE/BLACK (126-16800-5000-90)	93"
7		WIRE - 16 AWG RED (126-16800-5000-22)	186"
8	98298	SPLIT LOOM - 1"	93"

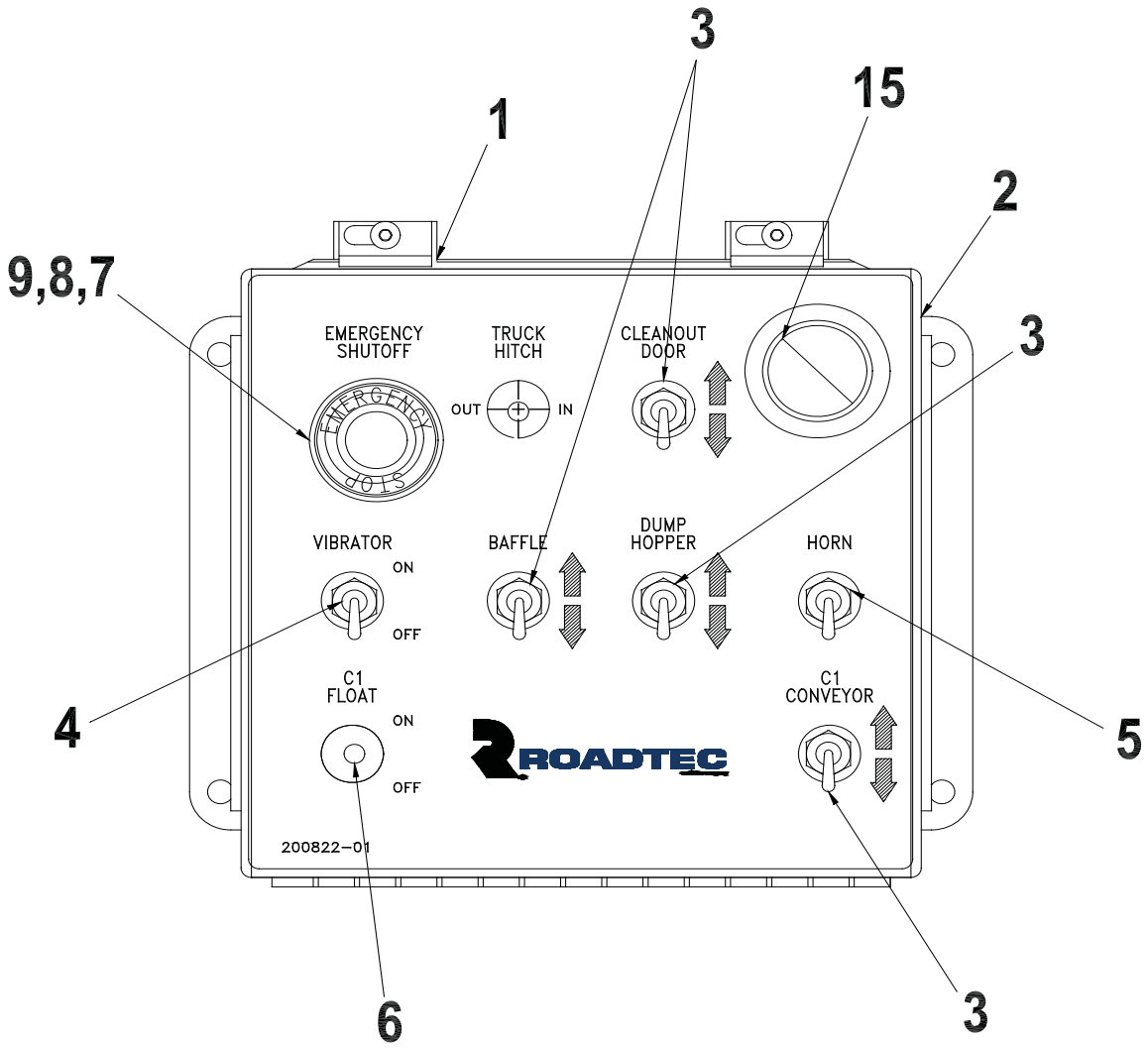
OPERATOR DRIVE CONSOLE
(214568-03)

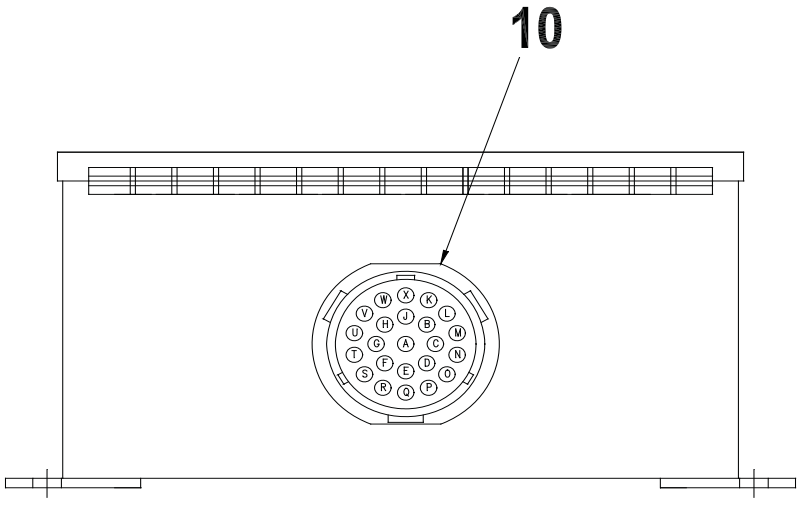


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1		OPERATOR MAIN CONSOLE WLDMT.	REF
2	200985-03	DECAL - OPERATOR DRIVE CONSOLE BOX	1
3	214567-02	JOYSTICK ASSY.	1
4	214542-03	WIRE HARNESS - ROTARY POT OPERATOR DRIVE	REF
5	130406	ROTARY POT 25 WATT 100 OHM	1
6	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
7	133842	HEX HD. SELF-DRILLING SCREWS - 1/4-20 X 3/4"	6
8	84444	FLAT WASHER - 1/4"	6

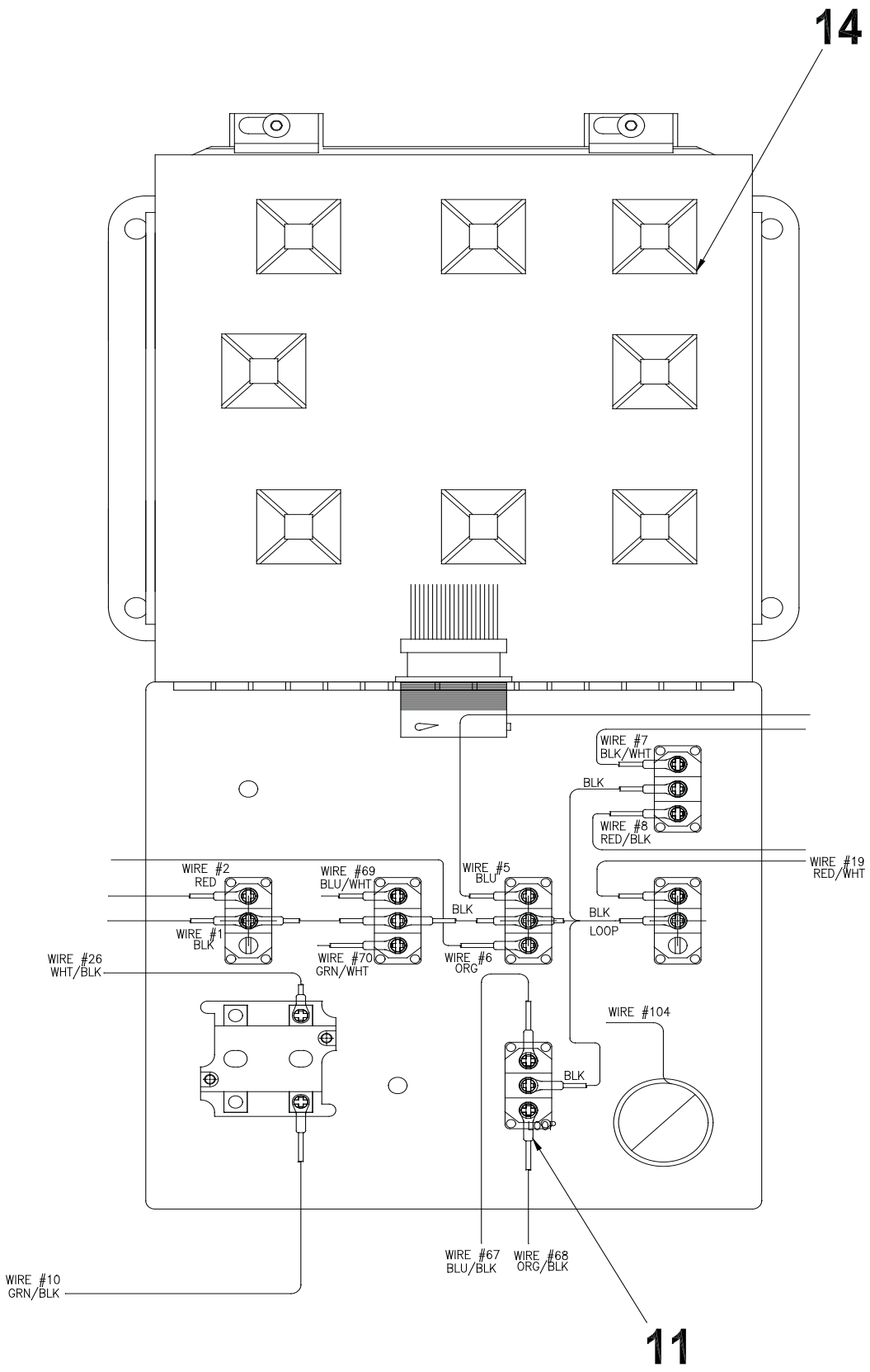
L.H. C-1 CONTROL BOX ASSEMBLY.
(214262-01)

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L.H. C-1 CONTROL BOX ASSEMBLY.
(214262-01)

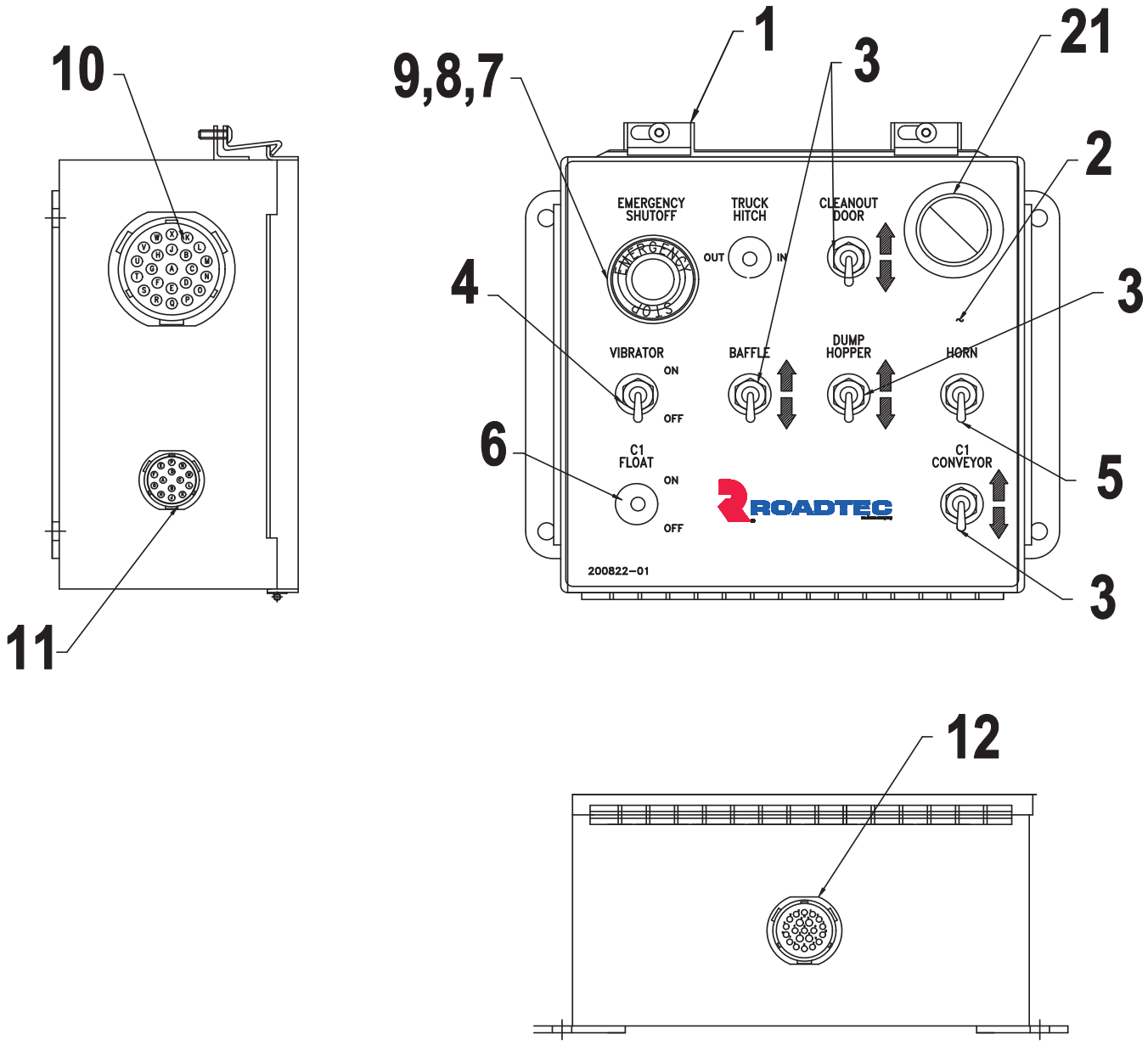


L.H. C-1 CONTROL BOX ASSEMBLY
(214262-01)

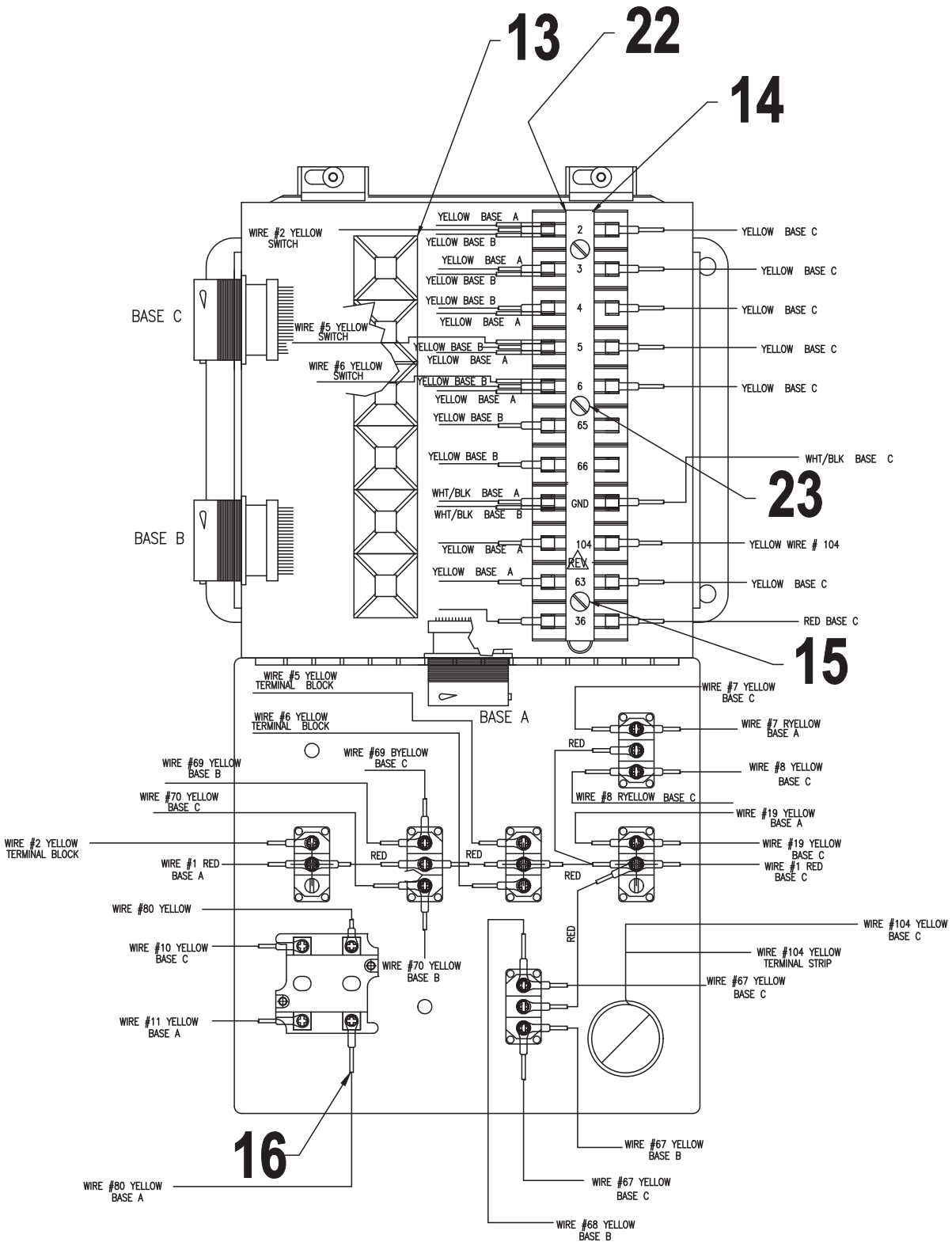
ITEM #	PART NO.	DESCRIPTION	QTY.
1	214192-01	LH C-1 CONTROL BOX	1
2	200822-01	DECAL - C-1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97542	TOGGLE SWITCH	1
6	97944-04	HOLE PLUG - 1/2"	2
7	93251-04	SWITCH - EMERGENCY STOP	1
8	93250-04	EMERGENCY STOP CONTACT BLOCK	1
9	93251-04-C3	EMERGENCY STOP BUTTON	1
10	214221-02	PIG TAIL - C-1 CONTROL BOX CROSSOVER	1
11	93253	WIRE - TERMINAL RING 16 GA.	21
12	83856-04	WIRE TIE - 3/16" X 4" NYLON	16
13	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	20
14	97976	ADHESIVE MOUNT	12
15	143317-04	DOME LIGHT	1

R.H. C-1 CONTROL BOX ASSEMBLY.
(215520-01)

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R.H. C-1 CONTROL BOX ASSEMBLY.
(215520-01)

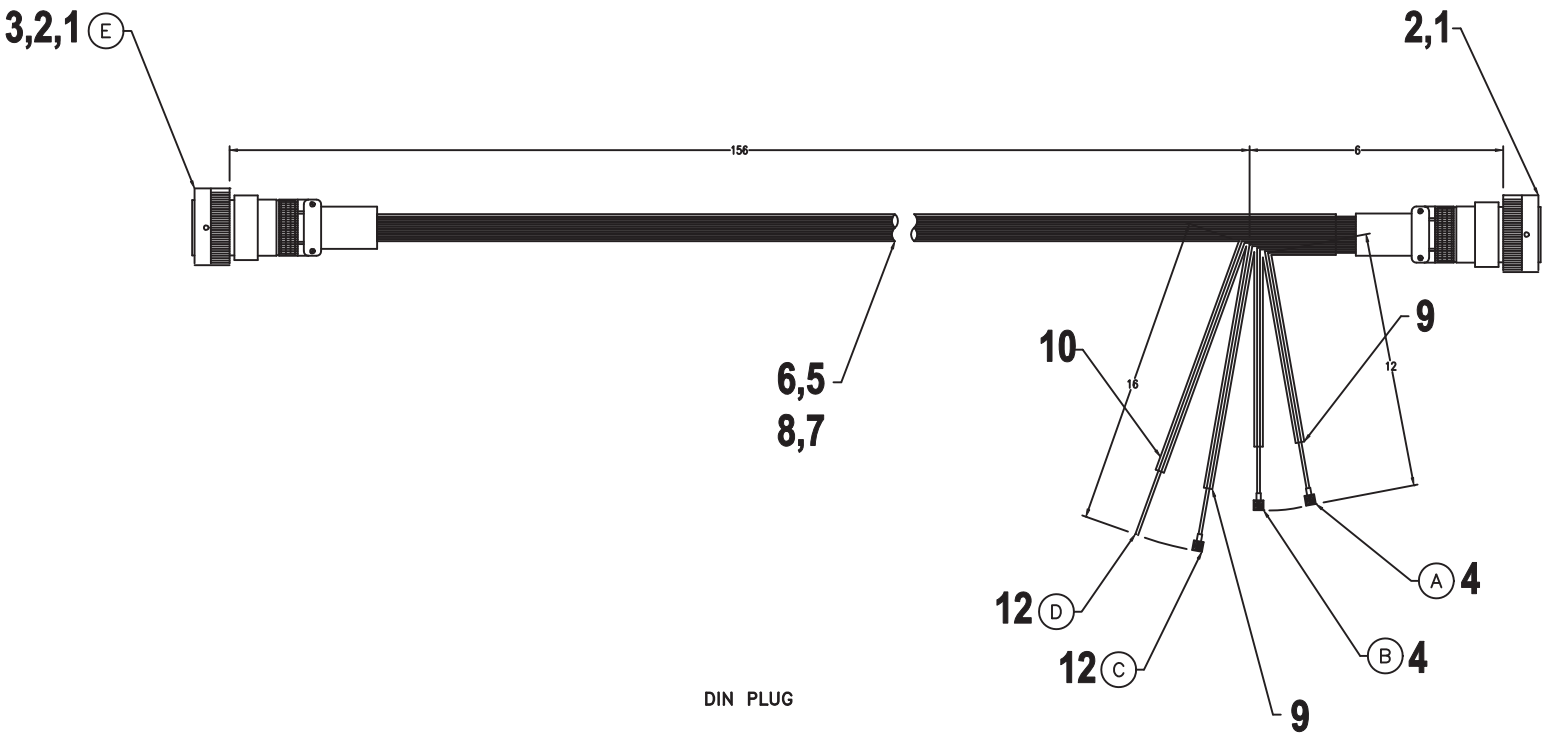


R.H. C-1 CONTROL BOX ASSEMBLY
(215520-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214193-01	RH C-1 CONTROL BOX	1
2	214305-01	DECAL - C-1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97542	TOGGLE SWITCH	1
6	97944-04	HOLE PLUG - 1/2"	2
7	93251-04	SWITCH - EMERGENCY STOP	1
8	93250-04	EMERGENCY STOP CONTACT BLOCK	1
9	93251-04-C3	EMERGENCY STOP BUTTON	1
10	214221-02	PIG TAIL - C-1 CONTROL BOX CROSSOVER	1
11	215505-02	PIG TAIL - C-1 VALVE MANIFOLD	1
12	215555-02	PIG TAIL - RH C-1 CONTROL BOX	1
13	97976	ADHESIVE MOUNT	12
14	13C69	ELEC - TERMINAL BLOCK	11
15	210432-04	CONNECTORS AMP FEMALE 16 AWG	20
16	93253	WIRE - TERMINAL RING 16 GA.	30
17	83856-04	WIRE TIE - 3/16" X 4" NYLON	40
18	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	15
19	38Z57	ELEC - TERMINAL FEMALE INSUL. SPADE	4
20	97735	ELEC - TERMINAL MALE INSUL. SPADE	4
21	143317-04	DOME LIGHT	1
22	149628-04	DATA PLATE - TERMINAL STRIP	1
23	135807-04	SLOT HD. SCREW - 10-32 X 1"	3

HARNESS - R.H. C-1 CONTROL BOX
(215556-01)

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KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BROWN	7	1	80504	DIN PLUG	C1 LIFT RAISE
	BLUE	GND	1	80504		C1 LIFT RAISE
B	BROWN	8	1	80504	DIN PLUG	C1 LIFT RAISE
	BLUE	GND	1	80504		
C	BROWN	63	1	80504		
	BLUE	GND	1	80504		
D	YELLOW	63				VALVE
	WHITE/BLACK	GND				VALVE
E	YELLOW	3	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH IN
	YELLOW	19	1	133746-04	DEUTSCH 16 AWG PINS	HORN
	WHITE/BLACK	GND	1	133746-04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	80	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	RED	1	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	YELLOW	5	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER LOWER
	YELLOW	104	1	133746-04	DEUTSCH 16 AWG PINS	LIGHTS
	YELLOW	4	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH OUT
	YELLOW	2	1	133746-04	DEUTSCH 16 AWG PINS	VIBRATOR
	YELLOW	7	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	YELLOW	11	1	133746-04	DEUTSCH 16 AWG PINS	E-STOP
	RED	36	1	133746-04	DEUTSCH 16 AWG PINS	4 KW GENERATOR
	YELLOW	6	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER RAISE
	YELLOW	63	1	133746-04	DEUTSCH 16 AWG PINS	C1 FLOT
	YELLOW	8	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT LOWER

PREVIOUS PAGE

HARNESS - R.H. C-1 CONTROL BOX
(215556-01)

23 PIN LAY-OUT

PIN	COLOR	WIRE #
A	YELLOW	3
B	YELLOW	19
C	WHITE/BLACK	GND
D	YELLOW	80
E	RED	1
F	YELLOW	5
G	YELLOW	104
H	YELLOW	4
J	YELLOW	2
K	YELLOW	11
L	YELLOW	6
M	YELLOW	63
N	YELLOW	8
O	YELLOW	7
P	RED	36
Q		
R		
S		
T		
U		
V		
W		
X		

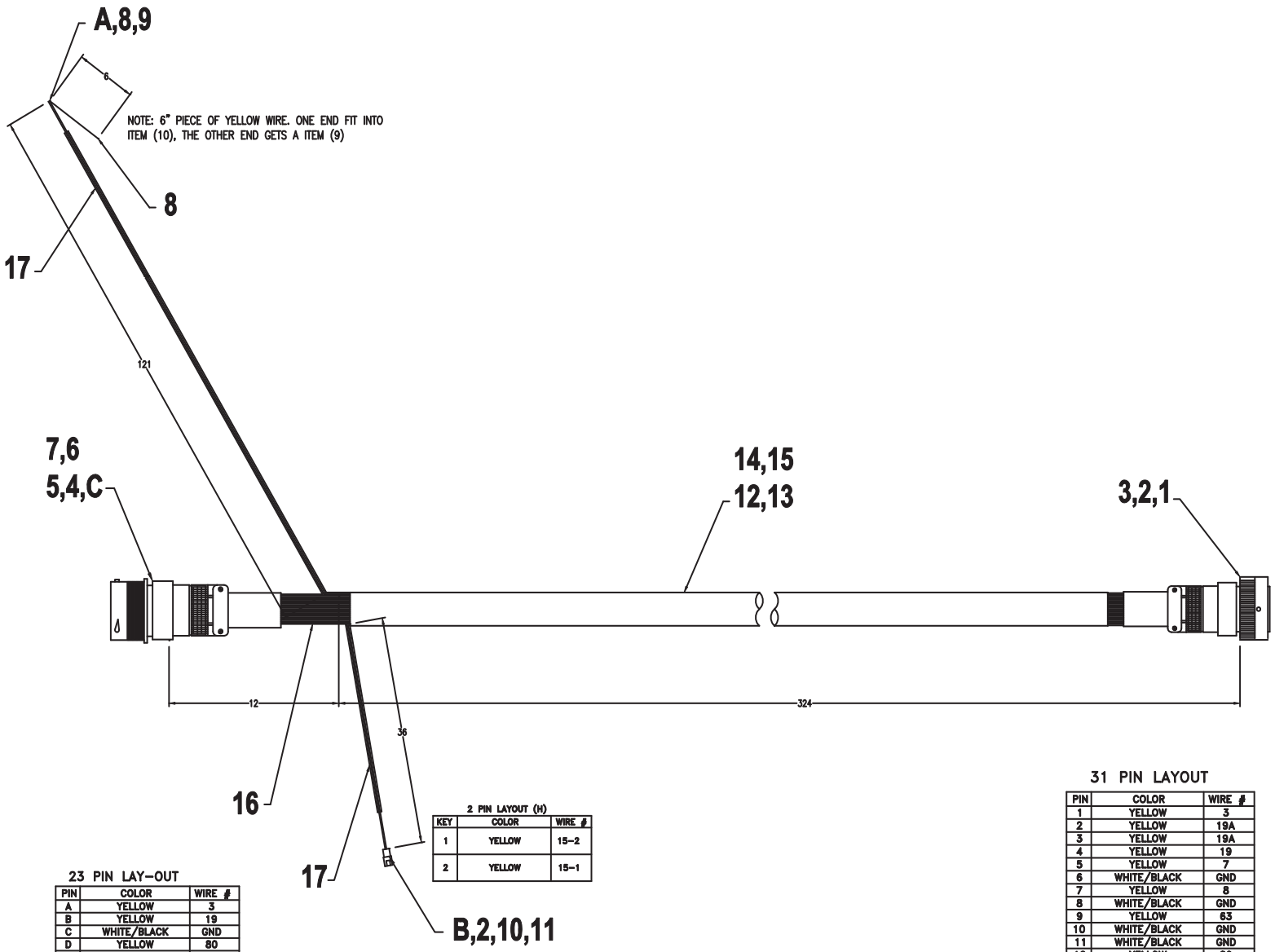
23 PIN LAY-OUT

PIN	COLOR	WIRE #
A	YELLOW	3
B	YELLOW	19
C	WHITE/BLACK	GND
D	YELLOW	80
E	RED	1
F	YELLOW	5
G	YELLOW	104
H	YELLOW	4
J	YELLOW	2
K	YELLOW	11
L	YELLOW	6
M	YELLOW	63
N	YELLOW	8
O	YELLOW	7
P	RED	36
Q	YELLOW	63
R	WHITE/BLACK	GND
S	BROWN	7
T	BLUE	GND
U	BROWN	8
V	BLUE	GND
W	BROWN	63
X	BLUE	GND

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211955-04	PLUG - 23 PIN DEUTSCH REVERSE PLUG W/ CLAMP	2
2	133746-04	DEUTSCH 16 AWG SOCKETS	38
3	133741-04	SEAL PLUGS	8
4	215557-04	DIN PLUG SINGLE-END CORDSET (MENCOM #VAC-220-00)	3
5			
6			
7			
8			
9			
10			
11			
12			
13		WIRE - 12 AWG RED (126-16800-5000-22)	672"
14		WIRE - 12 AWG WHITE/BLACK (126-12800-5000-90)	336"
15		WIRE - 16 AWG YELLOW (126-16800-5000-44)	5684"
16	98298	SPLIT LOOM - 1"	324"
17	35Z65	SPLIT LOOM - 3/4"	10"
18	65799	SPLIT LOOM - 3/8"	90"
19	95021	SPLIT LOOM - 1/4"	211"

HARNESS - (JUMPER) TO C-1 CONTROL BOX
(215509-01)

NEXT PAGE



2 PIN LAYOUT (H)

KEY	COLOR	WIRE #
1	YELLOW	15-2
2	YELLOW	15-1

23 PIN LAY-OUT

PIN	COLOR	WIRE #
A	YELLOW	3
B	YELLOW	19
C	WHITE/BLACK	GND
D	YELLOW	80
E	RED	1
F	YELLOW	5
G	YELLOW	104
H	YELLOW	4
J	YELLOW	2
K	YELLOW	11
L	YELLOW	6
M	YELLOW	63
N	YELLOW	8
O	YELLOW	7
P	RED	36
Q	YELLOW	63
R	WHITE/BLACK	GND
S	YELLOW	7
T	WHITE/BLACK	GND
U	YELLOW	8
V	WHITE/BLACK	GND
W	YELLOW	63
X	WHITE/BLACK	GND

31 PIN LAYOUT

PIN	COLOR	WIRE #
1	YELLOW	3
2	YELLOW	19A
3	YELLOW	19A
4	YELLOW	19
5	YELLOW	7
6	WHITE/BLACK	GND
7	YELLOW	8
8	WHITE/BLACK	GND
9	YELLOW	63
10	WHITE/BLACK	GND
11	WHITE/BLACK	GND
12	YELLOW	80
13	RED	1
14	YELLOW	5
15	YELLOW	104
16	YELLOW	4
17	YELLOW	2
18	YELLOW	11
19	YELLOW	6
20	YELLOW	63
21	YELLOW	8
22	YELLOW	15-2
23	YELLOW	15-1
24	YELLOW	7
25	RED	36
26	YELLOW	63
27	WHITE/BLACK	GND
28		
29		
30		
31		

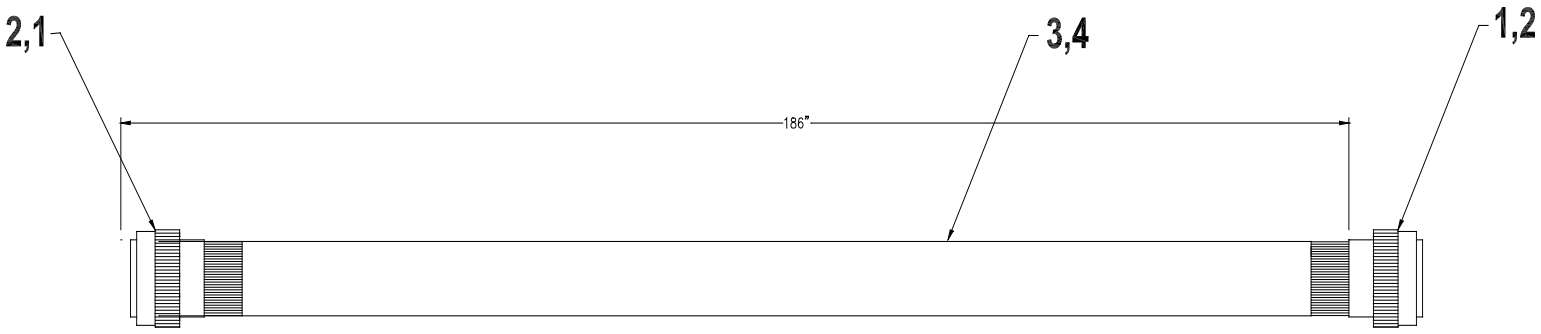
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HARNESS - (JUMPER) TO C-1 CONTROL BOX
(215509-01)

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	YELLOW	19A	1	121538	FEMALE ELECTRICAL CONNECTOR	HORN
	YELLOW	19A	1	97735	FEMALE ELECTRICAL CONNECTOR	HORN
B	YELLOW	15–2	1	206398–04	DEUTSCH 2 PIN RECEPTACLE	C2 CLEANOUT DOOR LIMIT SWITCH
	YELLOW	15–1	1	206401–04	DEUTSCH WEDGE LOCK	
			2	137176–04	DEUTSCH 16 AWG PINS	
C	YELLOW	3	1	133746–04	DEUTSCH 16 AWG PINS	TRUCK HITCH IN
	YELLOW	19	1	133746–04	DEUTSCH 16 AWG PINS	HORN
	WHITE/BLACK	GND	1	133746–04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	80	1	133746–04	DEUTSCH 16 AWG PINS	12 VOLTS
	RED	1	1	133746–04	DEUTSCH 16 AWG PINS	12 VOLTS
	YELLOW	5	1	133746–04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER LOWER
	YELLOW	104	1	133746–04	DEUTSCH 16 AWG PINS	LIGHTS
	YELLOW	4	1	133746–04	DEUTSCH 16 AWG PINS	TRUCK HITCH OUT
	YELLOW	2	1	133746–04	DEUTSCH 16 AWG PINS	VIBRATOR
	YELLOW	7	1	133746–04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	YELLOW	11	1	133746–04	DEUTSCH 16 AWG PINS	E–STOP
	RED	36	1	133746–04	DEUTSCH 16 AWG PINS	4 KW GENERATOR
	YELLOW	6	1	133746–04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER RAISE
	YELLOW	63	1	133746–04	DEUTSCH 16 AWG PINS	C1 FLOT
	YELLOW	8	1	133746–04	DEUTSCH 16 AWG PINS	C1 LIFT LOWER
	YELLOW	7	1	133746–04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	WHITE/BLACK	GND	1	133746–04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	8		133746–04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	WHITE/BLACK	GND	1	133746–04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	63		133746–04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	WHITE/BLACK	GND	1	133746–04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	63		133746–04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	WHITE/BLACK	GND	1	133746–04	DEUTSCH 16 AWG PINS	GROUND

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	211959-04	PLUG - 31 PIN DEUTSCH REVERSE W/ CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	27
3	133741-04	SEAL PLUGS	4
4	211954-04	DEUTSCH 23 PIN REVERSE RECEPTACLE	1
5	133746-04	DEUTSCH 16 AWG SOCKETS	23
6	211962-04	DEUTSCH METAL NUT	1
7	211963-04	DEUTSCH LOCK NUT	1
8	97735	FEMALE CONNECTOR 16 AWG	2
9	121538	FEMALE CONNECTOR 12 AWG	1
10	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
11	209401-04	DEUTSCH WEDGE LOCK	1
12		WIRE - 12 AWG RED (126-16800-5000-22)	678"
13		WIRE - 12 AWG WHITE/BLACK (126-16800-5000-90)	1695"
14		WIRE - 16 AWG YELLOW (126-16800-5000-44)	5424"
15	98298	SPLIT LOOM - 1"	339"
16	25Z65	SPLIT LOOM - 3/4"	10"
17	95021	SPLIT LOOM - 1/4"	175"

HARNESS, C-1 CONTROL BOX CROSSOVER
(214222-02)

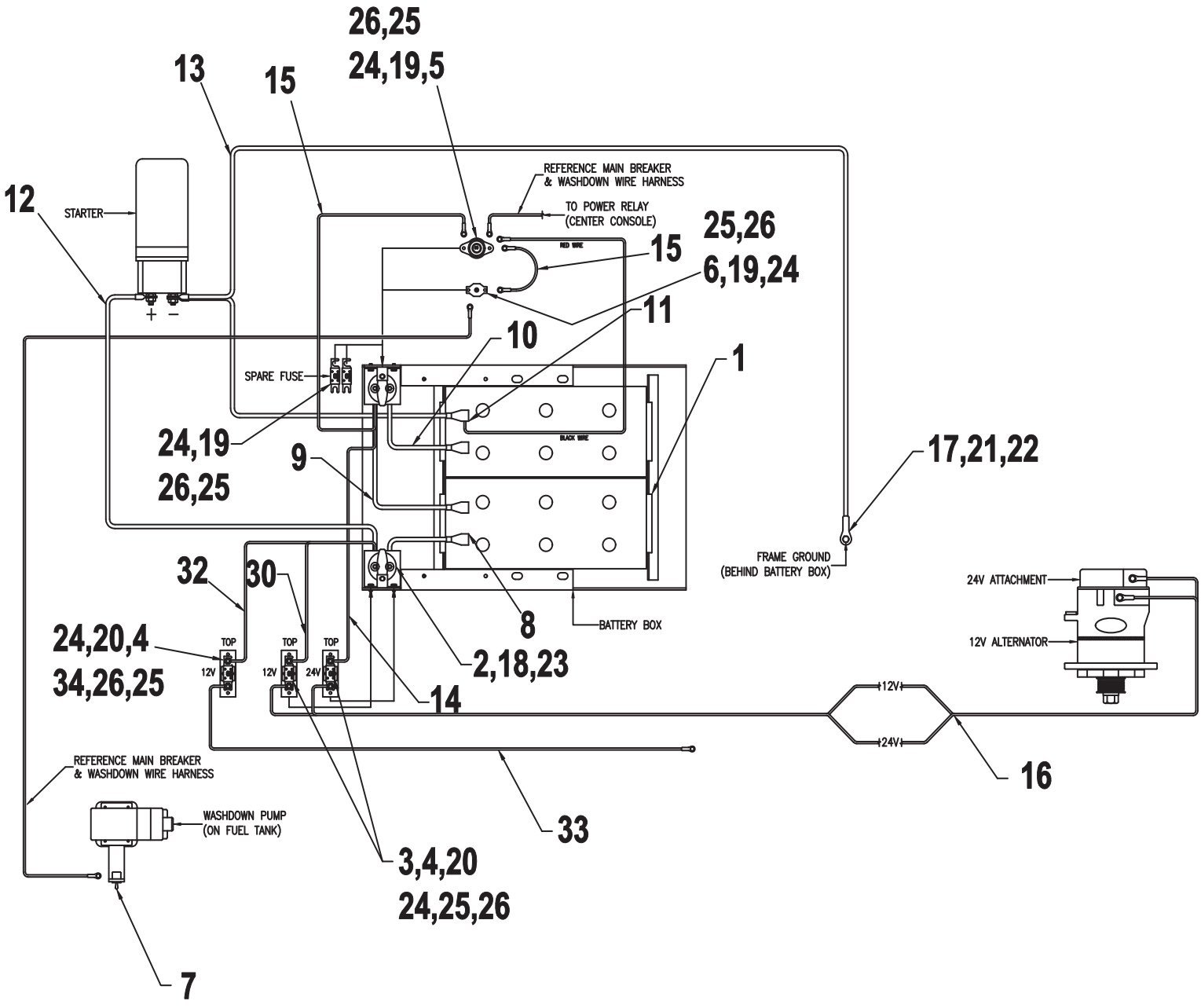


23 PIN LAY–OUT DETAIL

PIN	COLOR	WIRE #	FUNCTION
A	WHITE	3	TRUCK HITCH IN
B	ORANGE	6	C1 DUMP HOPPER RAISE
C	BLACK/RED	1	12 VOLT
D	BLUE/BLACK	67	C1 CLEAN OUT
E	ORANGE/BLACK	68	C1 CLEAN OUT
F	RED/BLACK	8	C1 LIFT LOWER
G	BLACK	GND	GROUND
H	WHITE/BLACK	80	12 VOLT
J	RED	2	VIBRATOR
K	BLUE	5	C1 DUMP HOPPER LOWER
L	ORANGE/RED	36	12 VOLT
M	GREEN	4	TRUCK HITCH OUT
N	WHITE/RED	104	LIGHT
O	BLUE/WHITE	69	C1 BAFFLE RAISE
P	GREEN/WHITE	70	C1 BAFFLE LOWER
Q	RED/WHITE	19	HORN
R	BLACK/WHITE	7	C1 LIFT RAISE
S	GREEN/BLACK	10	E–STOP
T	BLUE/RED	63	C1 FLOT
U			
V			
W			
X			

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211953-04	DEUTSCH 23 PIN PLUG W/ CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	38
3	133741-01	DEUTSCH SEALING PLUG	8
4	84320-04	WIRE 16 AWG 19 CONDUCTOR	186"
5	98298	SPLIT LOOM - 1"	186"

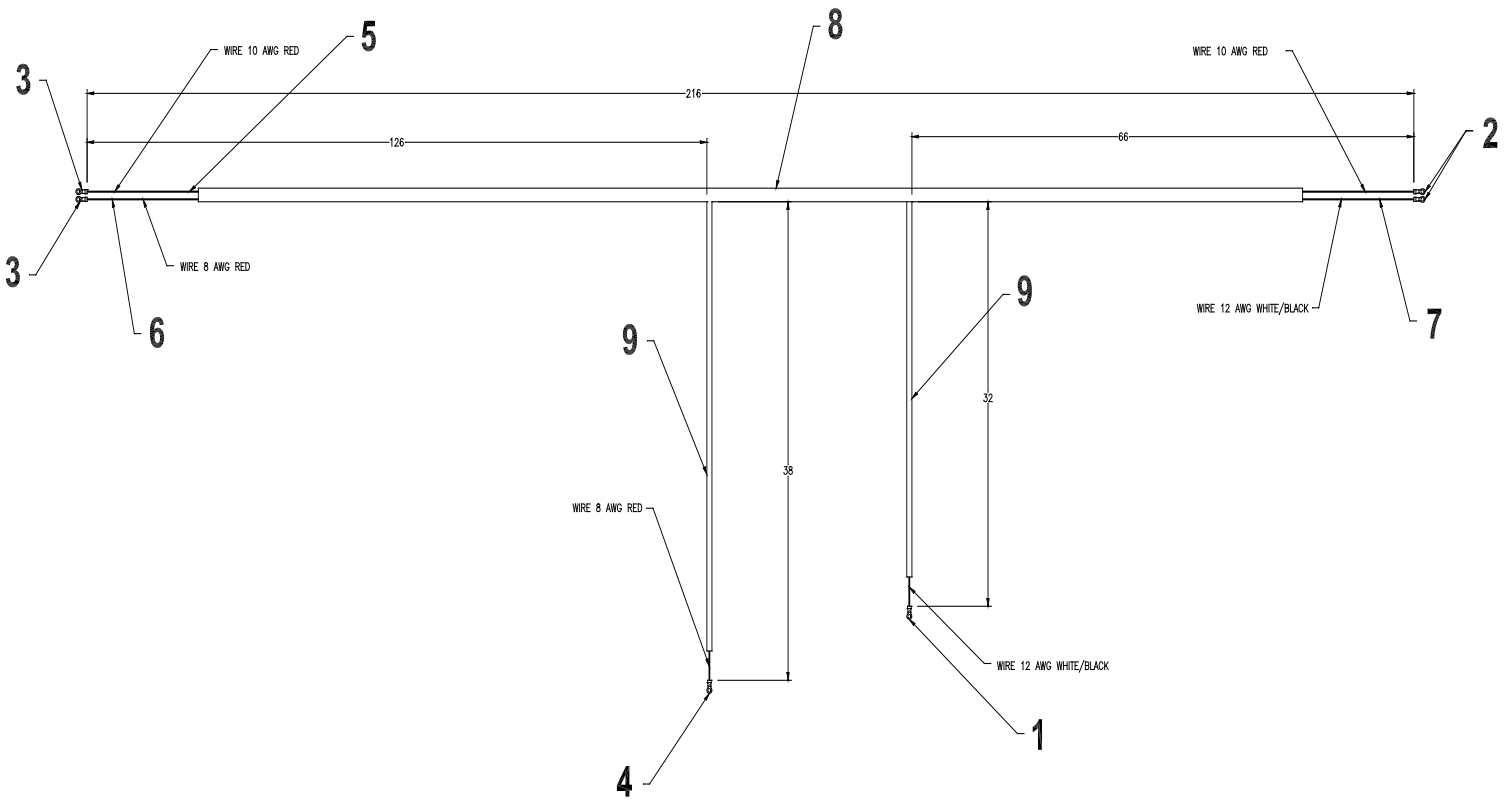
BATTERY / ISO SWITCH ASSEMBLY
(217460-02)



BATTERY / ISO SWITCH ASSEMBLY
(217460-02)

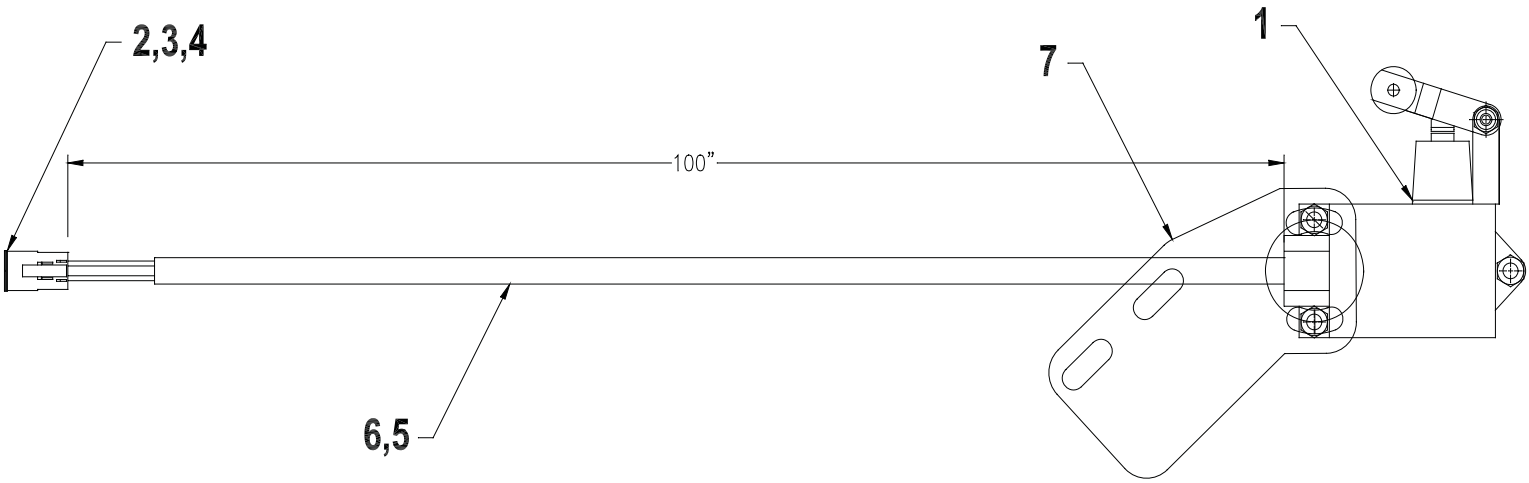
ITEM #	PART NO.	DESCRIPTION	QTY.
1	11S35	BATTERY - WET CHARGE 4D 12V	2
2	130644	SWITCH - BATTERY ISOLATION	2
3	146264-04	BASE - FUSIBLE LINK	3
4	146263-04	FUSIBLE LINK - 100 AMP	3
5	20Z54	CIRCUIT BREAKER - 60 AMP	1
6	90930-04	CIRCUIT BREAKER - 40 AMP	1
7	13E68	TOGGLE SWITCH	1
8	203703-04	BATTERY CABLE - POS TO ISO SWITCH (24V)	REF
9	146128-04	BATTERY CABLE - NEGATIVE TO ISO SWITCH	REF
10	146125-04	BATTERY CABLE - POS TO ISO SWITCH (12V)	REF
11	203707-04	BATTERY CABLE - NEGATIVE TO STARTER	REF
12	203708-04	BATTERY CABLE - ISO SWITCH TO STARTER	REF
13	203709-04	BATTERY CABLE - STARTER TO MACHINE GRD	REF
14	146298-04	BATTERY CABLE - ISO SWITCH TO FUSIBLE LINK	REF
15	146130-04	WIRE HARNESS - 60 AMP BREAKER	REF
16	146132-04	WIRE HARNESS - ALTERNATOR	REF
17	84332	HEX BOLT - 3/8-16 X 1"	1
18	83114	HEX BOLT - 1/4-20 X 1/2"	4
19	135807-04	SCREW - 10-32 X 1"	2
20	90101	SCREW - 10-32 X 3/4"	6
21	83056	LOCK WASHER - 3/8"	1
22	139702-04	STAR WASHER - 3/8"	1
23	83056	FLAT WASHER - 1/4"	4
24	92552	FLAT WASHER - # 10	22
25	90103	LOCK WASHER - # 10	12
26	90102	HEX NUT - 10-32	12
27	138409-04	HOLE PLUG - 7/8" DIA.	1
28	136784-04	TOGGLE SWITCH	1
29	97490-C1	SWITCH COVER	2
30	215298-04	BATTERY CABLE - FUSIBLE LINK TO ISO SWITCH	REF
31	215098-04	BATTERY CABLE - TOGGLE SWITCH TO BATTERY NEG.	REF
32	217454-04	POWER CABLE - ISO SWITCH TO FUSIBLE LINK	1
33	217455-04	POWER CABLE - ENGINE SOL. TO FUSIBLE LINK	1
34	146287-04	FUSIBLE LINK - 150 AMP	2

HARNESS, MAIN BREAKER & WASHDOWN
(203487-01)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	128218	TERMINAL 1/4" RING	1
2	90554	RING TERMINAL #10	2
3	90553	RING TERMINAL 1/4"	2
4	128219	RING TERMINAL 5/16"	1
5	95019	WIRE - 10 AWG BLACK	216"
6	95018	WIRE - 8 AWG RED	164"
7	87856-04	WIRE - 12 AWG WHITE	98"
8	95021	SPLIT LOOM - 1/4"	70"
9	95799	SPLIT LOOM - 3/8"	216"

C-2 CLEAN-OUT DOOR LIMIT SWITCH & PIG TAIL
(214279-03)



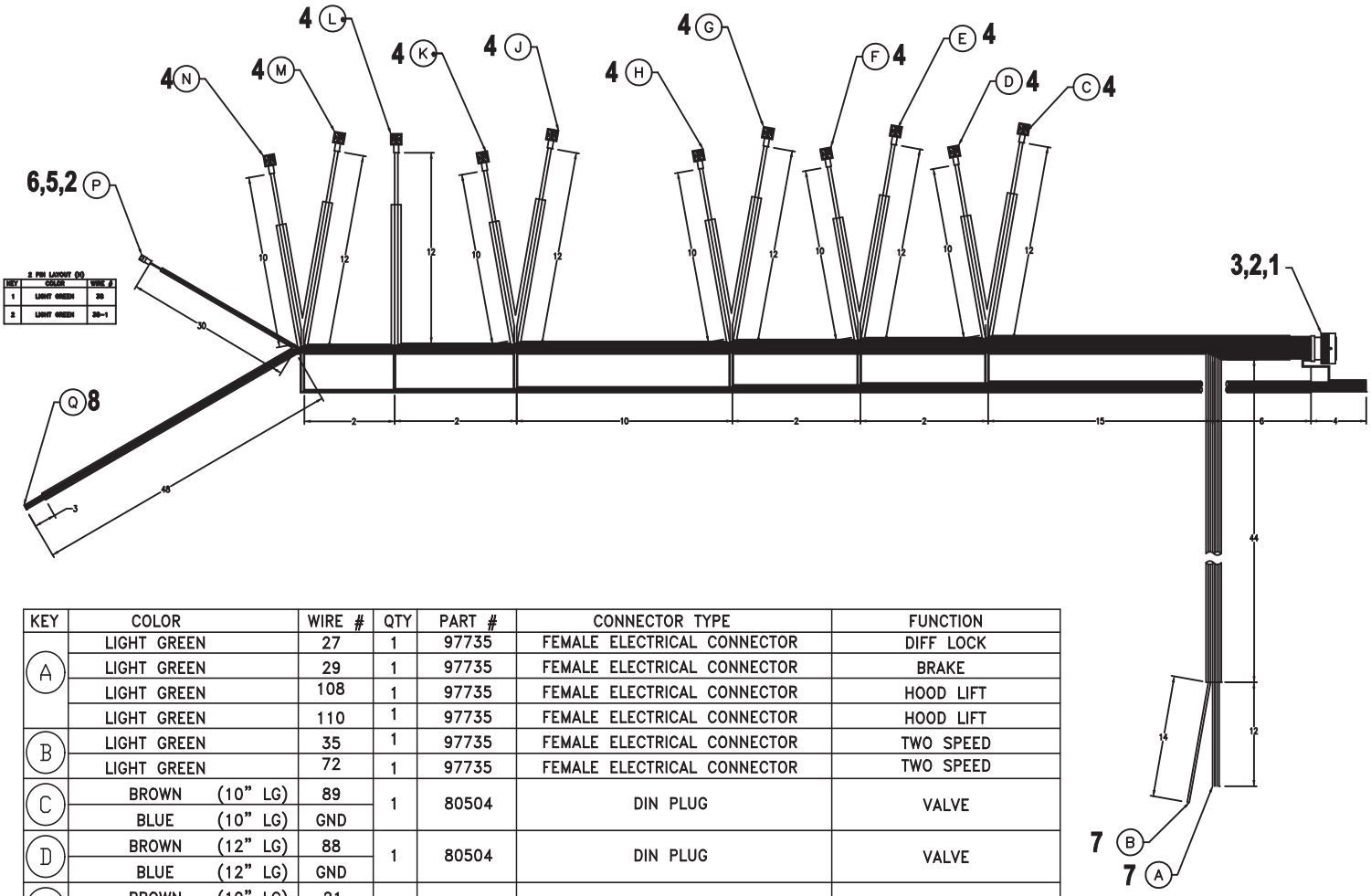
2 PIN LAYOUT (H)

KEY	COLOR	WIRE #
A	BLACK	15–2
B	RED	15–1

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	92023-04	LIMIT SWITCH RIGHT HAND	1
2	206399-04	DEUTSCH 2 PIN PLUG	1
3	133746-04	DEUTSCH SOCKETS 16 AWG	2
4	206402-04	DEUTSCH LOCKING WEDGE	1
5	84316-04	WIRE - 2 CONDUCTOR 16 AWG	104"
6	95021	SPLIT LOOM - 1/4"	94"
7	148168-04	LIMIT SWITCH BRACKET C-2 CLEAN OUT DOOR	1
8	90763	HEX BOLT - 1/4-20 UNC X 1 1/4"	4
9	89772	HEX NUT - 1/4-20 UNC	4
10	84444	FLAT WASHER - 1/4"	8
11	83065	LOCK WASHER - 1/4"	4

HARNESS - VALVE STACK
(215514-01)

NEXT PAGE



KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	LIGHT GREEN	27	1	97735	FEMALE ELECTRICAL CONNECTOR	DIFF LOCK
	LIGHT GREEN	29	1	97735	FEMALE ELECTRICAL CONNECTOR	BRAKE
	LIGHT GREEN	108	1	97735	FEMALE ELECTRICAL CONNECTOR	HOOD LIFT
	LIGHT GREEN	110	1	97735	FEMALE ELECTRICAL CONNECTOR	HOOD LIFT
B	LIGHT GREEN	35	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
	LIGHT GREEN	72	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
C	BROWN (10" LG)	89	1	80504	DIN PLUG	VALVE
	BLUE (10" LG)	GND				
D	BROWN (12" LG)	88	1	80504	DIN PLUG	VALVE
	BLUE (12" LG)	GND				
E	BROWN (10" LG)	21	1	80504	DIN PLUG	LIFT & SWING
	BLUE (10" LG)	GND				
F	BROWN (12" LG)	20	1	80504	DIN PLUG	LIFT & SWING
	BLUE (12" LG)	GND				
G	BROWN (10" LG)	23	1	80504	DIN PLUG	LIFT & SWING
	BLUE (10" LG)	GND				
H	BROWN (12" LG)	22	1	80504	DIN PLUG	LIFT & SWING
	BLUE (12" LG)	GND				
J	BROWN (10" LG)	17	1	80504	DIN PLUG	FLOW GATE
	BLUE (10" LG)	GND				
K	BROWN (12" LG)	16	1	80504	DIN PLUG	FLOW GATE
	BLUE (12" LG)	GND				
L	BROWN	18	1	80504	DIN PLUG	GENERATOR VALVE
	BLUE	GND				
M	BROWN (10" LG)	14	1	80504	DIN PLUG	FLOW GATE
	BLUE (10" LG)	GND				
N	BROWN (12" LG)	13	1	80504	DIN PLUG	FLOW GATE
	BLUE (12" LG)	GND				
P	LIGHT GREEN	38-2	1	206395-04	DEUTSCH 2 PIN RECEPTACLE	LIMIT SWITCH
			1	209401-04	DEUTSCH WEDGE LOCK	
	LIGHT GREEN	38	2	137176-04	DEUTSCH 16 AWG PINS	
Q	RED	1	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	RED	24	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN	88	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN	89	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN	107	1	90990-04	RING TERMINAL 16 GAU	SWITCH

PREVIOUS PAGE

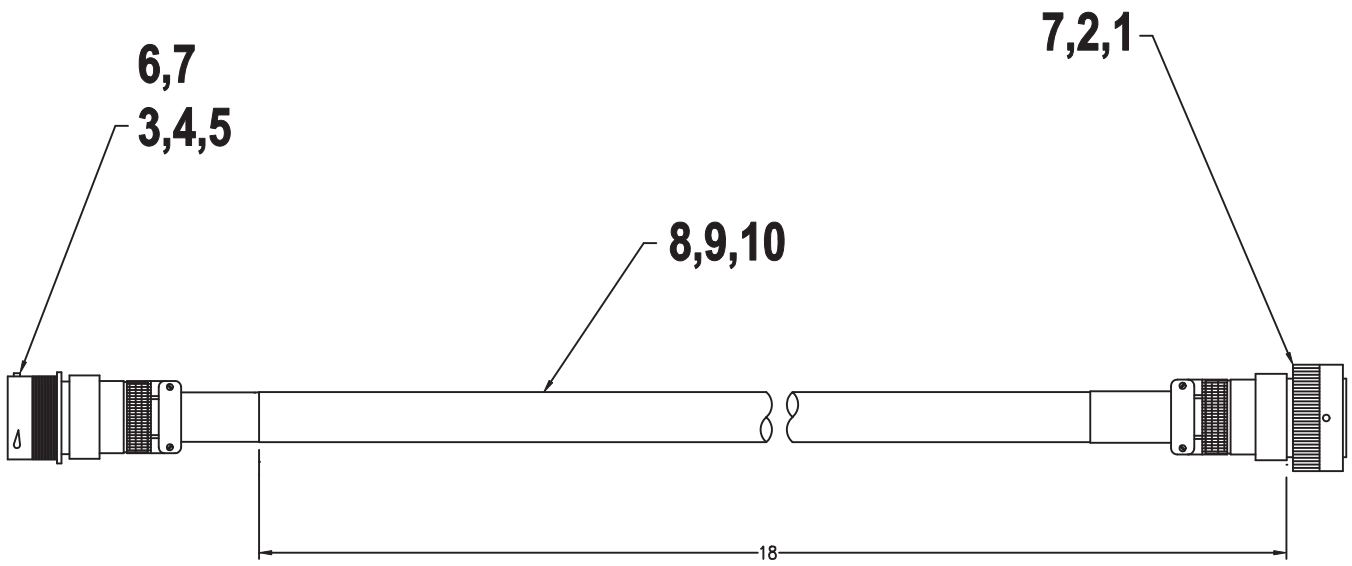
HARNESS - VALVE STACK
(215514-01)

31 PIN LAYOUT

PIN	COLOR	WIRE #
1	BROWN	20
2	BROWN	14
3	LIGHT GREEN	88
4	LIGHT GREEN	27
5	RED	1
6	LIGHT GREEN	29
7	BROWN	22
8	BROWN	16
9	BROWN	23
10	BROWN	13
11	BROWN	89
12	BROWN	21
13	LIGHT GREEN	38-2
14	BROWN	88
15	LIGHT GREEN	89
16	BROWN	18
17	LIGHT GREEN	35
18	BROWN	17
19	LIGHT GREEN	108
20	LIGHT GREEN	72
21	LIGHT GREEN	107
22	WHITE/BLACK	GND
23	RED	24
24	LIGHT GREEN	38
25	LIGHT GREEN	110
26	WHITE/BLACK	GND
27	SEALING PLUG	
28	SEALING PLUG	
29	SEALING PLUG	
30	SEALING PLUG	
31	SEALING PLUG	

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211959-04	DEUTSCH 31 PIN REVERSING PLUG	1
2	137176-04	DEUTSCH 16 AWG PINS	28
3	133741-04	DEUTSCH SEALING PLUG	5
4	215557-04	DIN PLUG SINGLE-CORD SET (VAC-220-00 MENCOM)	11
5	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
6	206401-04	DEUTSCH WEDGE LOCK	1
7	90990-04	RING TERMINAL 16 AWG	5
8	97735	FEMALE ELECTRICAL CONNECTOR	6
9	90990-04	RING TERMINAL 16 AWG	5
10		WIRE 16 AWG RED (126-16800-5000-22)	187"
11		WIRE 16 AWG LIGHT GREEN (126-16800-5000-55L)	2894"

HARNESS, C-1 VALVE STACK
(215510-02)

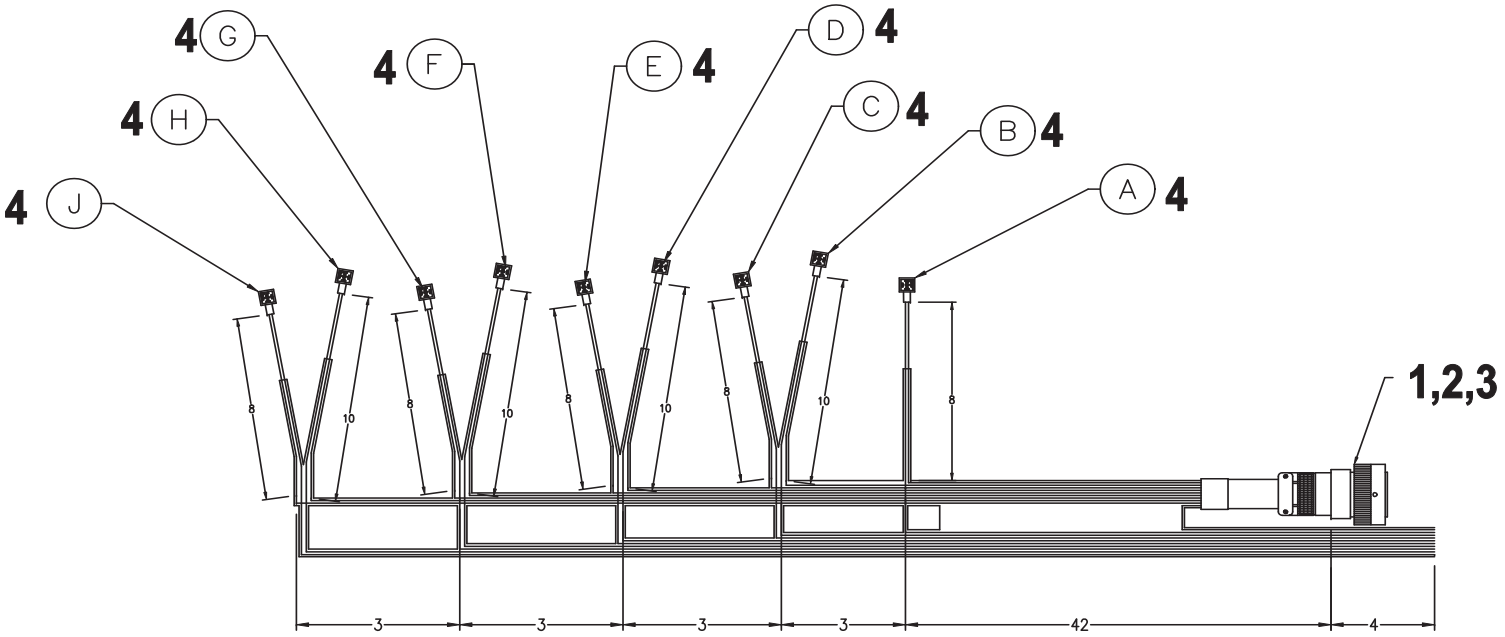


14 PIN LAY-OUT DETAIL

PIN	COLOR	WIRE #
A	YELLOW	4
B	YELLOW	3
C	YELLOW	2
D	YELLOW	69
E	YELLOW	6
F	YELLOW	5
G	YELLOW	67
H	YELLOW	70
J	YELLOW	68
K	WHITE/BLACK	GND
L		
M		
N		
P		

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211945-04	DEUTSCH 14 PIN REVERSE PLUG W/ CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	10
3	211944-04	DEUTSCH 14 PIN REVERSE RECEPTACLE	1
4	133746-04	DEUTSCH 16 AWG SOCKETS	10
5	219060-04	NUT - METAL SIZE 18	1
6	219061-04	LOCK WASHER - METAL SIZE 18	1
7	133741-04	DEUTSCH SEALING PLUG	8
8		WIRE 16 AWG YELLOW (126-16800-5000-44)	162"
9		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	18"
10	35Z65	SPLIT LOOM - 3/4"	60"

HARNESS, C-1 VALVE STACK
(215511-02)



NOTE: ALL BLUE GROUND WIRE ARE 4" LONGER THAN THAN DIN PLUG BROWN WIRE & CONNECT TO GROUND STUD ON DEUTSCH 14 PIN PLUG BRACKET

NOTE: PIN K IS GROUND WIRE (WHITE/BLACK). IT IS 6" LONG

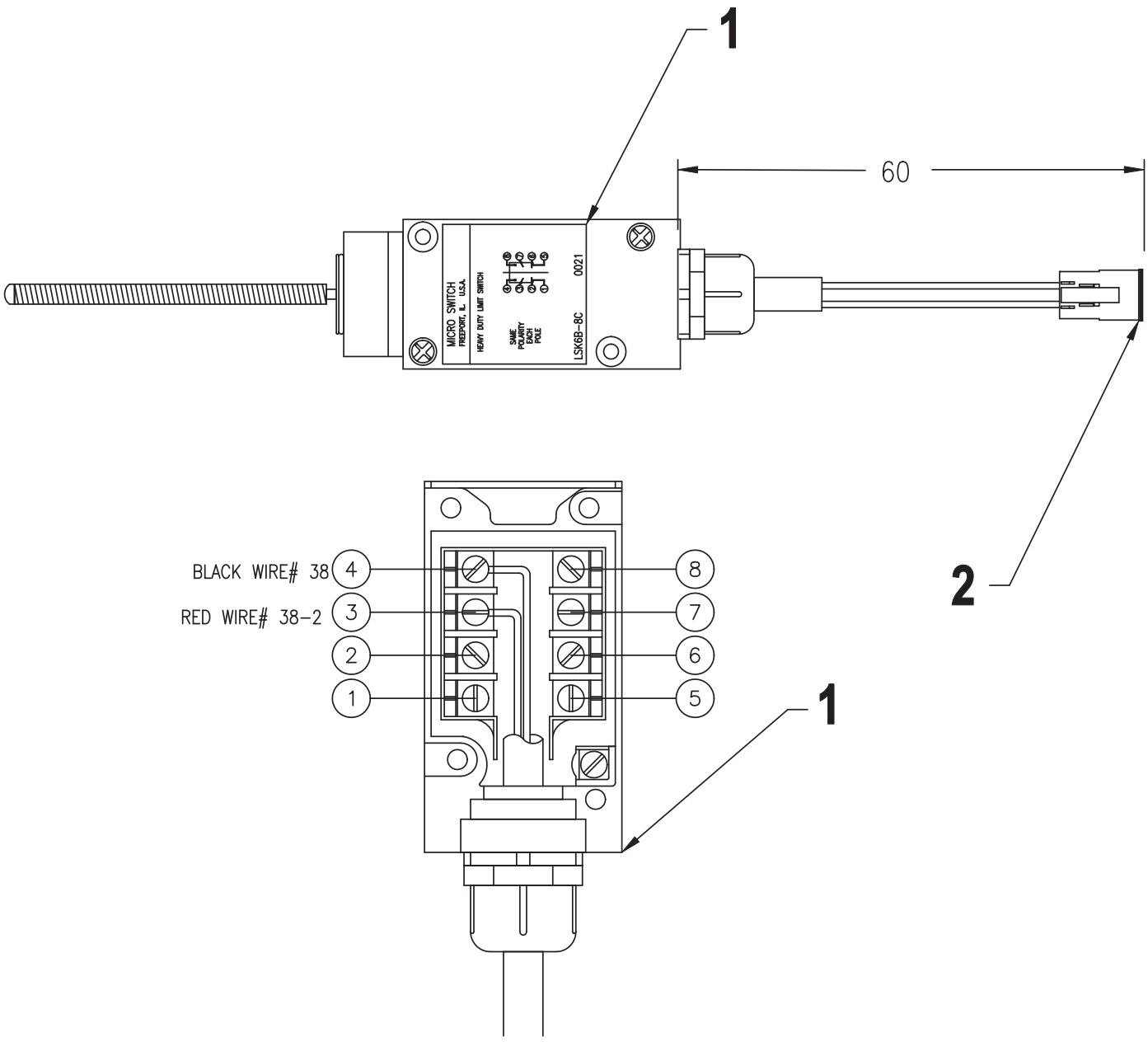
KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION	LENGTH
A	BROWN	2	1	80504	DIN PLUG SINGLE ENDED CORDSET	VIBRATOR	50
	BLUE	GND	1				54
B	BROWN	69	1	80504	DIN PLUG SINGLE ENDED CORDSET	BAFFLE	53
	BLUE	GND	1				57
C	BROWN	70	1	80504	DIN PLUG SINGLE ENDED CORDSET	BAFFLE	55
	BLUE	GND	1				59
D	BROWN	67	1	80504	DIN PLUG SINGLE ENDED CORDSET	CLEAN OUT	56
	BLUE	GND	1				61
E	BROWN	68	1	80504	DIN PLUG SINGLE ENDED CORDSET	CLEAN OUT	58
	BLUE	GND	1				62
F	BROWN	6	1	80504	DIN PLUG SINGLE ENDED CORDSET	DUMP HOOPER	59
	BLUE	GND	1				63
G	BROWN	5	1	80504	DIN PLUG SINGLE ENDED CORDSET	DUMP HOOPER	61
	BLUE	GND	1				65
H	BROWN	3	1	80504	DIN PLUG SINGLE ENDED CORDSET	TRUCK HITCH	62
	BLUE	GND	1				66
J	BROWN	4	1	80504	DIN PLUG SINGLE ENDED CORDSET	TRUCK HITCH	64
	BLUE	GND	1				68

14 PIN LAY-OUT DETAIL

PIN	COLOR	WIRE #
A	BROWN	4
B	BROWN	3
C	BROWN	2
D	BROWN	69
E	BROWN	6
F	BROWN	5
G	BROWN	67
H	BROWN	70
J	BROWN	68
K	WHITE/BLACK	GND
L		
M		
N		
P		

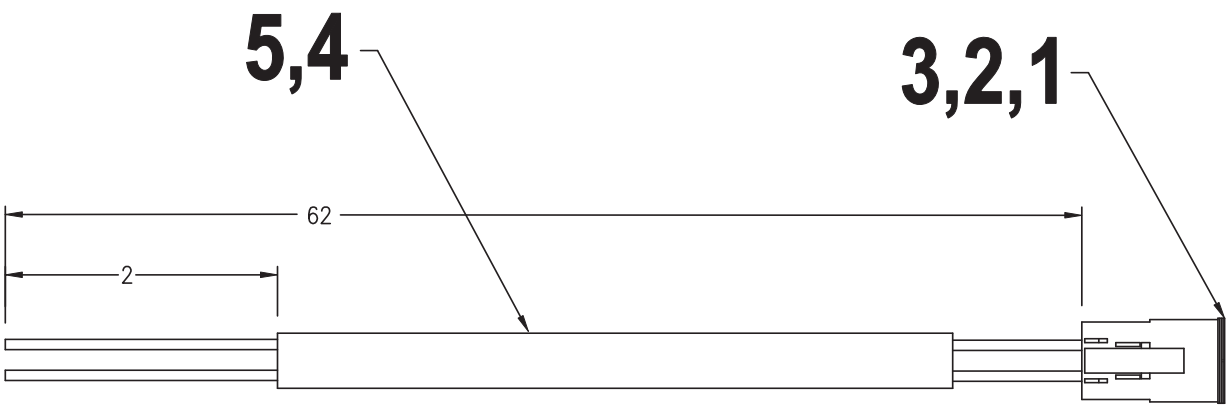
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211945-04	DEUTSCH 14 PIN REVERSE PLUG W/ CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	10
3	133741-04	DEUTSCH SEALING PLUG	4
4	215557-04	DIN PLUG - SINGLE END CORDSET (MENCO VAC - 200-30)	9
5		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	6"
6	98298	SPLIT LOOM - 1"	9"
7	98298	SPLIT LOOM - 3/4"	6"
8	123097	SPLIT LOOM - 5/8"	6"
9	1390502	SPLIT LOOM - 1/2"	9"

LIMIT SWITCH W/ WOBBLE LEVER
(214563-03)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145215-04	LIMIT SWITCH W/ WOBBLE LEVER	1
2	214541-03	WIRE HARNESS - LIMIT SWITCH W/ WOBBLE	REF

HARNESS- LIMIT SWITCH W/ WOBBLE LEVER
(214541-03)



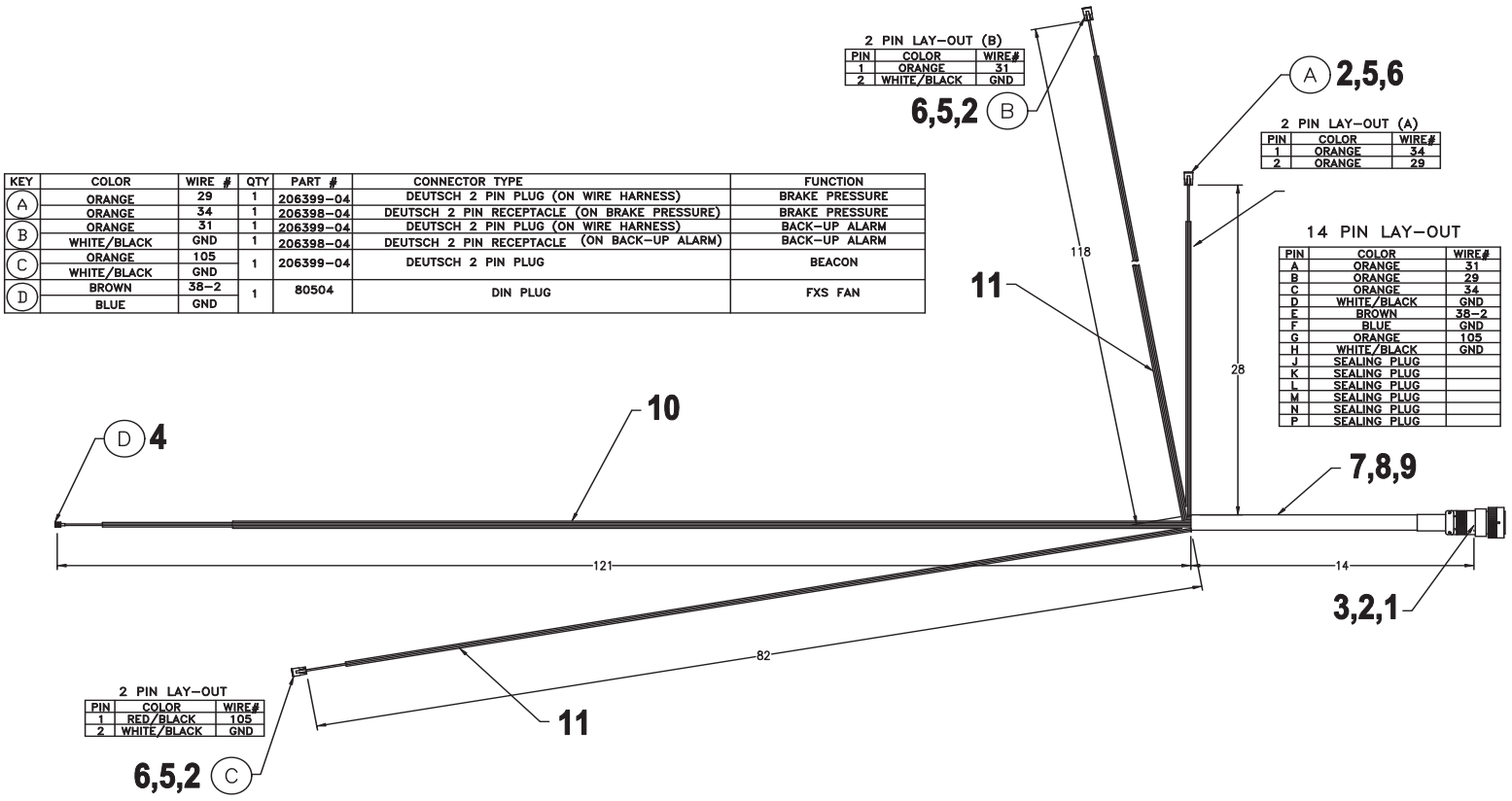
SLUG WIRE ENDS

2 PIN LAYOUT

KEY	COLOR	WIRE #
1	LIGHT GREEN	38–2
2	LIGHT GREEN	38

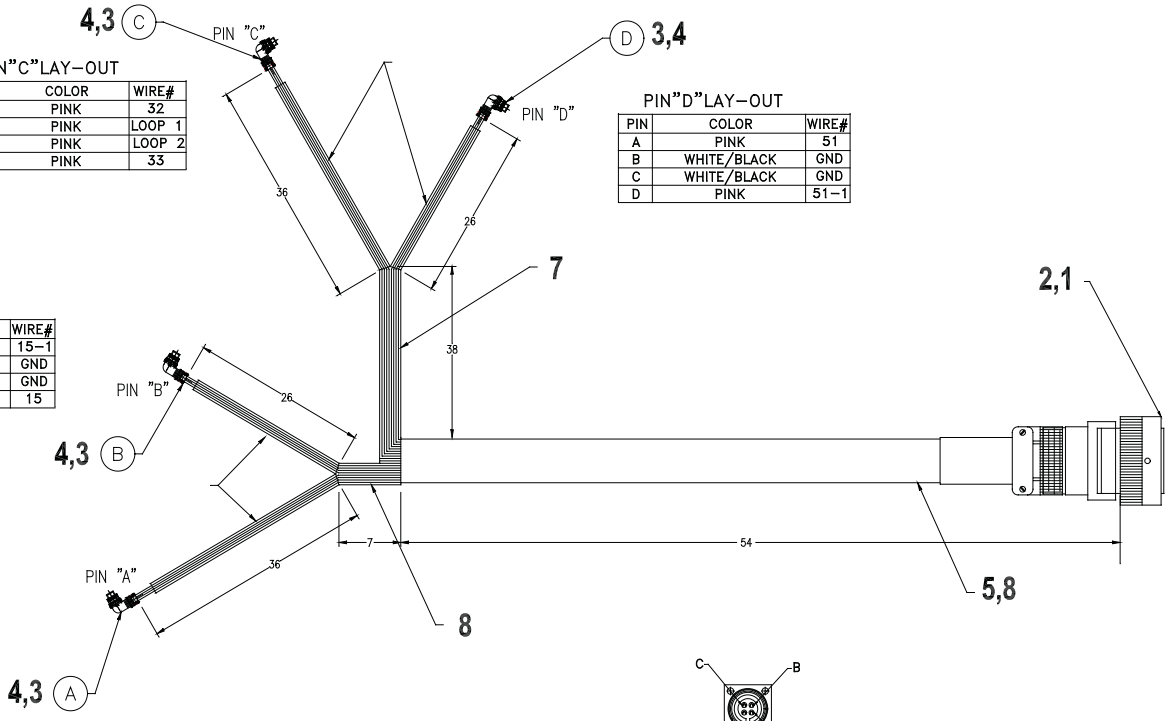
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	206399-04	DEUTSCH 2 PIN PLUG	1
2	133746-04	DEUTSCH SOCKETS 16 AWG	2
3	206402-04	DEUTSCH LOCKING WEDGE	1
4		WIRE 16 AWG LIGHT GREEN (126-16800-5000-55L)	124"
5	95021	SPLIT LOOM - 1/4"	58"

HARNESS- FXS, BEACON, BACK-UP, & BRAKE
(215507-02)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211947-04	DEUTSCH 14 PIN METAL PLUG W/ CLAMP	1
2	133746-04	DEUTSCH SOCKETS 16 AWG	16
3	133741-04	DEUTSCH SEALING PLUG 16 AWG	4
4	215558-04	DIN PLUG SINGLE-END CORD (MENCOM #VAC-520-05)	1
5	206399-04	DEUTSCH 2 PIN PLUG	3
6	206402-04	DEUTSCH SECONDARY LOCK	3
7		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	228"
8		WIRE 16 AWG ORANGE (126-16800-5000-33)	312"
9	35Z65	SPLIT LOOM - 3/4"	14"
10	95020	SPLIT LOOM - 1/2"	97"
11	95021	SPLIT LOOM - 1/4"	211"

HARNESS, PUMP
(214212-01)



PIN"C"LAY–OUT

PIN	COLOR	WIRE#
A	PINK	32
B	PINK	LOOP 1
C	PINK	LOOP 2
D	PINK	33

PIN"D"LAY–OUT

PIN	COLOR	WIRE#
A	PINK	51
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	PINK	51–1

PIN"B"LAY–OUT

PIN	COLOR	WIRE#
A	PINK	15–1
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	PINK	15

PIN"A"LAY–OUT

PIN	COLOR	WIRE#
A	PINK	52
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	PINK	52–1

90° AMPHENOL
NOTCH LOCATION
TYP 4 PLCS

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	WHITE/BLACK	GND	1	92756–04 86465–04	ELEC * 4–PIN CONNECTOR ELEC * CABLE CLAMP–5 PIN	C3 EXTRA WHITE/BLACK WIRE IS 11"LONG & SOLDER TO OTHER WHITE/BLACK WIRE
	PINK	52	1			
	PINK	52–1	1			
	WHITE/BLACK	GND				
B	PINK	15	1	92756–04 86465–04	ELEC * 4–PIN CONNECTOR ELEC * CABLE CLAMP–5 PIN	C2 EXTRA BLUE WIRE IS 11"LONG & SOLDER TO OTHER BLUE WIRE
	WHITE/BLACK	GND	1			
	PINK	15–1	1			
	WHITE/BLACK	GND				
C	PINK	32	1	92756–04 86465–04	ELEC * 4–PIN CONNECTOR ELEC * CABLE CLAMP–5 PIN	TRAVEL PINK WIRE LOOP 1 & LOOP 2 IS 11"LONG & SOLDER TO EACH OTHER
	PINK	LOOP 1	1			
	PINK	33	1			
	PINK	LOOP 2	1			
D	PINK	51–1	1	92756–04 86465–04	ELEC * 4–PIN CONNECTOR ELEC * CABLE CLAMP–5 PIN	C1 EXTRA BLACK WIRE IS 11"LONG & SOLDER TO OTHER BLACK WIRE
	PINK	51	1			
	WHITE/BLACK	GND	1			
	WHITE/BLACK	GND				

KEY	COLOR	WIRE#
A	WHITE/BLACK	GND
B	PINK	51
C	WHITE/BLACK	GND
D	WHITE/BLACK	GND
E	WHITE/BLACK	GND
F	PINK	15
G	WHITE/BLACK	GND
H	WHITE/BLACK	GND
J	PINK	32
K	PINK	33
L	PINK	52–1
M	PINK	15–1
N	PINK	52
P	PINK	51–1

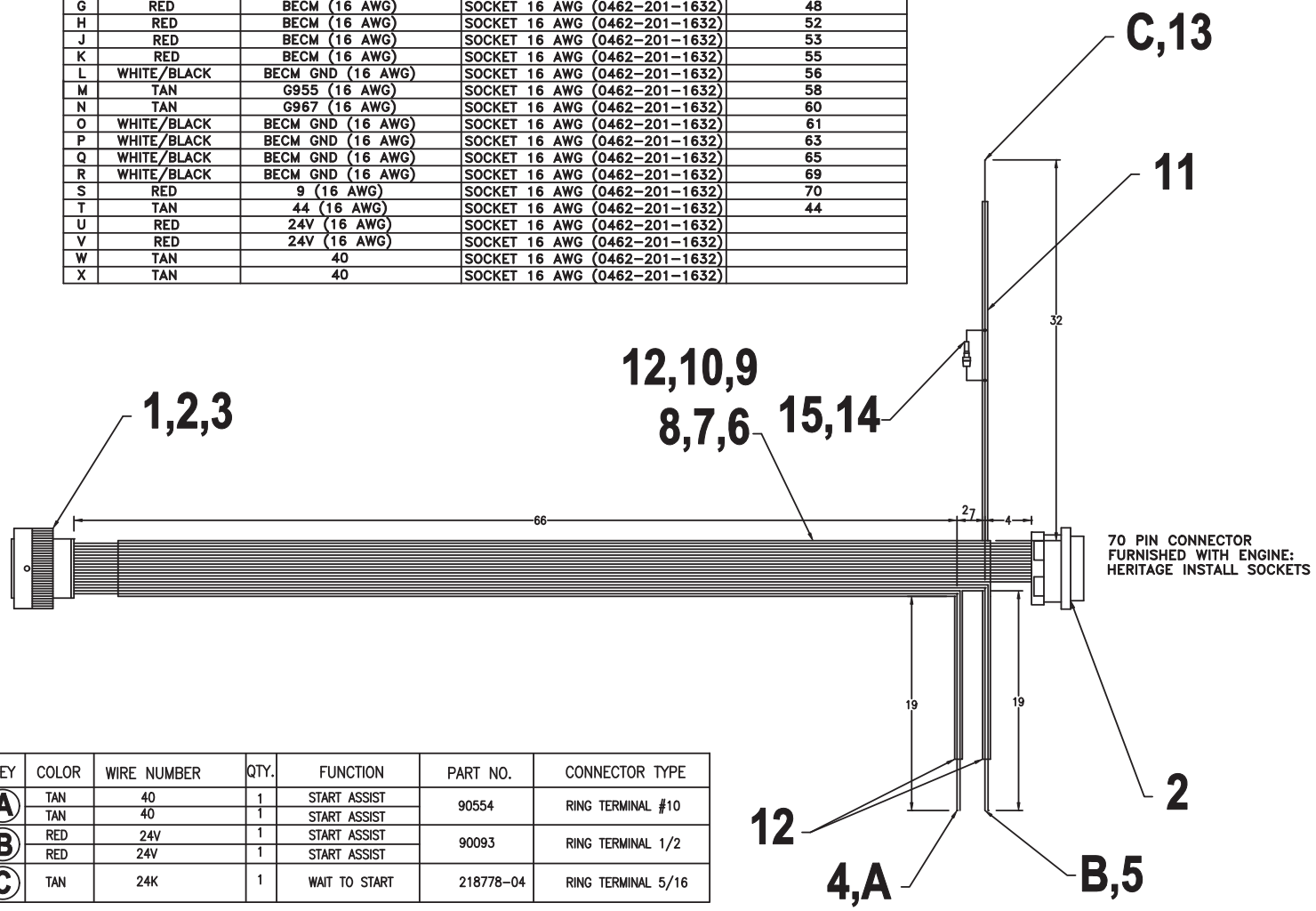
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211945-04	DEUTSCH 14 PIN REVERSE PLUG W/ CLAMP	1
2	137176-04	DEUTSCH 16 AWG PINS	14
3	92756-04	4 PIN 90 DEG.	4
4	86465-04	CLAMP	4
5		WIRE 16 AWG PINK (126-16800-5000-PK)	744"
6		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	488"
7	95799	SPLIT LOOM - 3/8"	124"
8	123097	SPLIT LOOM - 5/8"	64"
9	35Z65	SPLIT LOOM - 3/4"	61"

HARNESS, ENGINE
(216505-01)

NEXT PAGE

23 PIN LAY–OUT

PIN	COLOR	WIRE #	TERMINAL USED	PIN# (70 PIN ENG PLUG)
A	YELLOW	TWISTED (2 COND 18 AWG)	SOCKET 16 AWG (0462–201–1632)	8
B	GREEN	TWISTED (2 COND 18 AWG)	SOCKET 16 AWG (0462–201–1632)	9
C	TAN	24K (16 AWG)		
D	GREEN	TWISTED (3 COND 18 AWG)	SOCKET 16 AWG (0462–201–1632)	34
E	GRAY	TWISTED (3 COND 18 AWG)	SOCKET 16 AWG (0462–201–1632)	42
F	YELLOW	TWISTED (3 COND 18 AWG)	SOCKET 16 AWG (0462–201–1632)	50
G	RED	BECM (16 AWG)	SOCKET 16 AWG (0462–201–1632)	48
H	RED	BECM (16 AWG)	SOCKET 16 AWG (0462–201–1632)	52
J	RED	BECM (16 AWG)	SOCKET 16 AWG (0462–201–1632)	53
K	RED	BECM (16 AWG)	SOCKET 16 AWG (0462–201–1632)	55
L	WHITE/BLACK	BECM GND (16 AWG)	SOCKET 16 AWG (0462–201–1632)	56
M	TAN	G955 (16 AWG)	SOCKET 16 AWG (0462–201–1632)	58
N	TAN	G967 (16 AWG)	SOCKET 16 AWG (0462–201–1632)	60
O	WHITE/BLACK	BECM GND (16 AWG)	SOCKET 16 AWG (0462–201–1632)	61
P	WHITE/BLACK	BECM GND (16 AWG)	SOCKET 16 AWG (0462–201–1632)	63
Q	WHITE/BLACK	BECM GND (16 AWG)	SOCKET 16 AWG (0462–201–1632)	65
R	WHITE/BLACK	BECM GND (16 AWG)	SOCKET 16 AWG (0462–201–1632)	69
S	RED	9 (16 AWG)	SOCKET 16 AWG (0462–201–1632)	70
T	TAN	44 (16 AWG)	SOCKET 16 AWG (0462–201–1632)	44
U	RED	24V (16 AWG)	SOCKET 16 AWG (0462–201–1632)	
V	RED	24V (16 AWG)	SOCKET 16 AWG (0462–201–1632)	
W	TAN	40	SOCKET 16 AWG (0462–201–1632)	
X	TAN	40	SOCKET 16 AWG (0462–201–1632)	



KEY	COLOR	WIRE NUMBER	QTY.	FUNCTION	PART NO.	CONNECTOR TYPE
A	TAN	40	1	START ASSIST	90554	RING TERMINAL #10
	TAN	40	1	START ASSIST		
B	RED	24V	1	START ASSIST	90093	RING TERMINAL 1/2
	RED	24V	1	START ASSIST		
C	TAN	24K	1	WAIT TO START	218778–04	RING TERMINAL 5/16

16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

PREVIOUS PAGE

HARNESS, ENGINE
(216505-01)

70 PIN LAY–OUT (CONNECTOR FURNISHED WITH ENGINE)

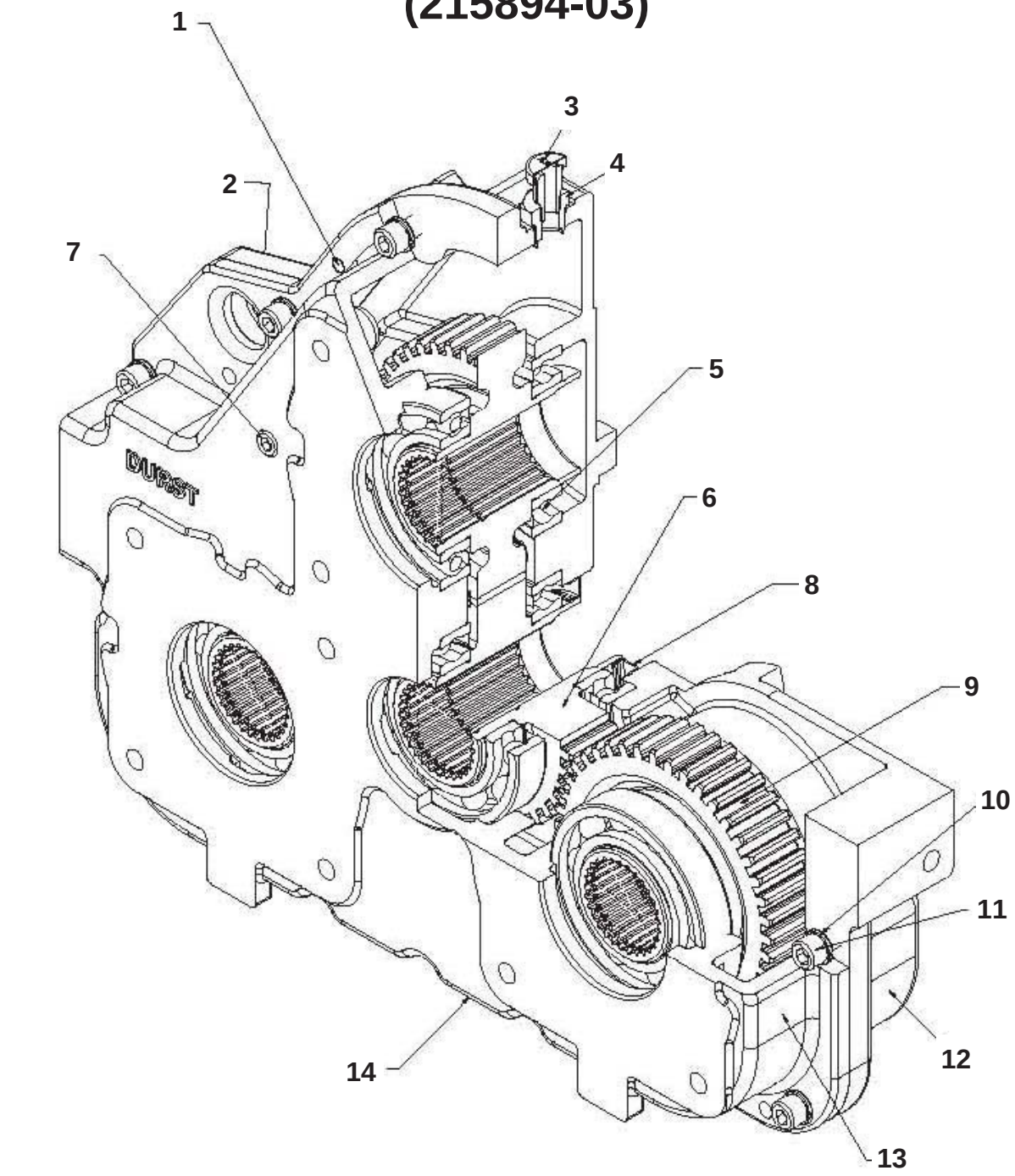
PIN	COLOR	WIRE #	PIN	COLOR	WIRE #
1		SEALING PLUG (WITH ENGINE)	36		SEALING PLUG (WITH ENGINE)
2		SEALING PLUG (WITH ENGINE)	37		SEALING PLUG (WITH ENGINE)
3		SEALING PLUG (WITH ENGINE)	38		SEALING PLUG (WITH ENGINE)
4		SEALING PLUG (WITH ENGINE)	39		SEALING PLUG (WITH ENGINE)
5		SEALING PLUG (WITH ENGINE)	40		SEALING PLUG (WITH ENGINE)
6		SEALING PLUG (WITH ENGINE)	41		SEALING PLUG (WITH ENGINE)
7		SEALING PLUG (WITH ENGINE)	42	GRAY	TWISTED (3 COND 18 AWG)
8	YELLOW	TWISTED (2 COND 18 AWG)	43		SEALING PLUG (WITH ENGINE)
9	GREEN	TWISTED (2 COND 18 AWG)	44	TAN	44 (16 AWG)
10		SEALING PLUG (WITH ENGINE)	45		SEALING PLUG (WITH ENGINE)
11		SEALING PLUG (WITH ENGINE)	46		SEALING PLUG (WITH ENGINE)
12		SEALING PLUG (WITH ENGINE)	47		SEALING PLUG (WITH ENGINE)
13		SEALING PLUG (WITH ENGINE)	48	RED	BECM (16 AWG)
14		SEALING PLUG (WITH ENGINE)	49		SEALING PLUG (WITH ENGINE)
15		SEALING PLUG (WITH ENGINE)	50	YELLOW	TWISTED (3 COND 18 AWG)
16		SEALING PLUG (WITH ENGINE)	51		SEALING PLUG (WITH ENGINE)
17		SEALING PLUG (WITH ENGINE)	52	RED	BECM (16 AWG)
18		SEALING PLUG (WITH ENGINE)	53	RED	BECM (16 AWG)
19		SEALING PLUG (WITH ENGINE)	54		SEALING PLUG (WITH ENGINE)
20		SEALING PLUG (WITH ENGINE)	55	RED	BECM (16 AWG)
21		SEALING PLUG (WITH ENGINE)	56	WHITE/BLACK	GND (16 AWG)
22		SEALING PLUG (WITH ENGINE)	57		SEALING PLUG (WITH ENGINE)
23		SEALING PLUG (WITH ENGINE)	58	TAN	G955 (16 AWG)
24		SEALING PLUG (WITH ENGINE)	59		SEALING PLUG (WITH ENGINE)
25		SEALING PLUG (WITH ENGINE)	60	TAN	G967 (16 AWG)
26		SEALING PLUG (WITH ENGINE)	61	WHITE/BLACK	GND (16 AWG)
27		SEALING PLUG (WITH ENGINE)	62		SEALING PLUG (WITH ENGINE)
28		SEALING PLUG (WITH ENGINE)	63	WHITE/BLACK	GND (16 AWG)
29		SEALING PLUG (WITH ENGINE)	64		SEALING PLUG (WITH ENGINE)
30		SEALING PLUG (WITH ENGINE)	65	WHITE/BLACK	GND (16 AWG)
31		SEALING PLUG (WITH ENGINE)	66		SEALING PLUG (WITH ENGINE)
32		SEALING PLUG (WITH ENGINE)	67		SEALING PLUG (WITH ENGINE)
33		SEALING PLUG (WITH ENGINE)	68		SEALING PLUG (WITH ENGINE)
34	GREEN	TWISTED (3 COND 18 AWG)	69	WHITE/BLACK	GND (16 AWG)
35		SEALING PLUG (WITH ENGINE)	70	RED	9 (16 AWG)

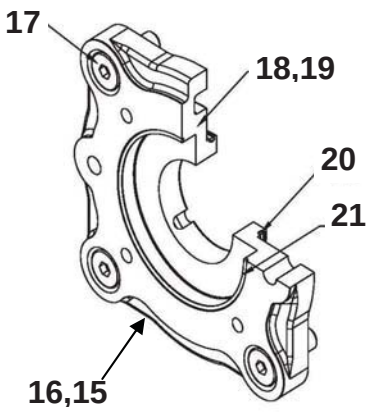
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211953-04	DEUTSCH 23 PIN PLUG	1
2	133746-04	DEUTSCH 16 AWG SOCKET	41
3	133741-04	DEUTSCH SEALING PLUG	4
4	90554	RING TERMINAL - #10	1
5	90093	RING TERMINAL - 1/2	1
6	210423-04	WIRE - 16 AWG RED	766”
7	210424-04	WIRE - 16 AWG WHITE / BLACK	460”
8	210430-04	WIRE - 16 AWG TAN	514”
9	216440-04	WIRE - 18 AWG 2 CONDUCTOR TWISTED	92”
10	201945	3 CONDUCTOR TWISTED WIRE	92”
11	95021	SPLIT LOOM - 1/4”	68”
12	98298	SPLIT LOOM - 1”	92”
13	218778-04	RING TERMINAL - 5/16”	1
14	149509	FUSE HOLDER	1
15	209077-04	FUSE 5 AMP	1

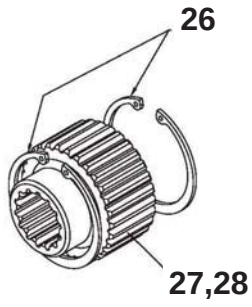
SECTION 7 : VENDOR PARTS

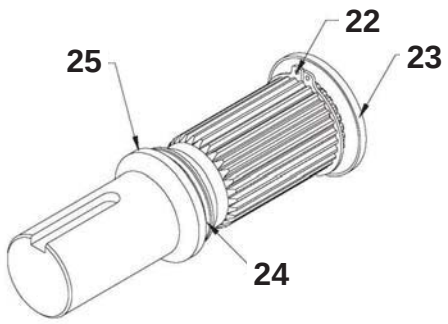
ASSEMBLY	PART NO.	S/N	PAGE NO.
TRIPLE PUMP DRIVE	215894-03		7.1
PUMP - CONVEYOR	99814		7.3
PUMP - DRIVE	29J94		7.4
HYD. MOTOR	137400-04		7.5
HYD. MOTOR	91681-04		7.6
HYD. PUMP	128178-04		7.7
C-1 GEAR BOX	29E38		7.9
BRAKE CALIPER	142483-03		7.11
FILTER ELEMENT 10 MICRON	29G40		7.12
FILTER ELEMENT 3 MICRON	137269-04		7.13
CYLINDER- FLOWGATE	144894-01		7.14
CYLINDER- STEERING	144895-01		7.15
CYLINDER- C1 LIFT	144896-01		7.16
CYLINDER	144897-01		7.17
CYLINDER- C2 CLEAN-OUT	144898-01		7.18
CYLINDER- C3 CLEAN-OUT	144899-01		7.19
CYLINDER- C3 SWING/LIFT	144900-01		7.20
CYLINDER- C3 SWING	144901-01		7.21
CYLINDER	93833-02		7.22
CYLINDER	97482-01		7.23
RWM CASTER WHEEL	132001-04		7.24

DURST PUMP DRIVE – SB-2500D
(215894-03)







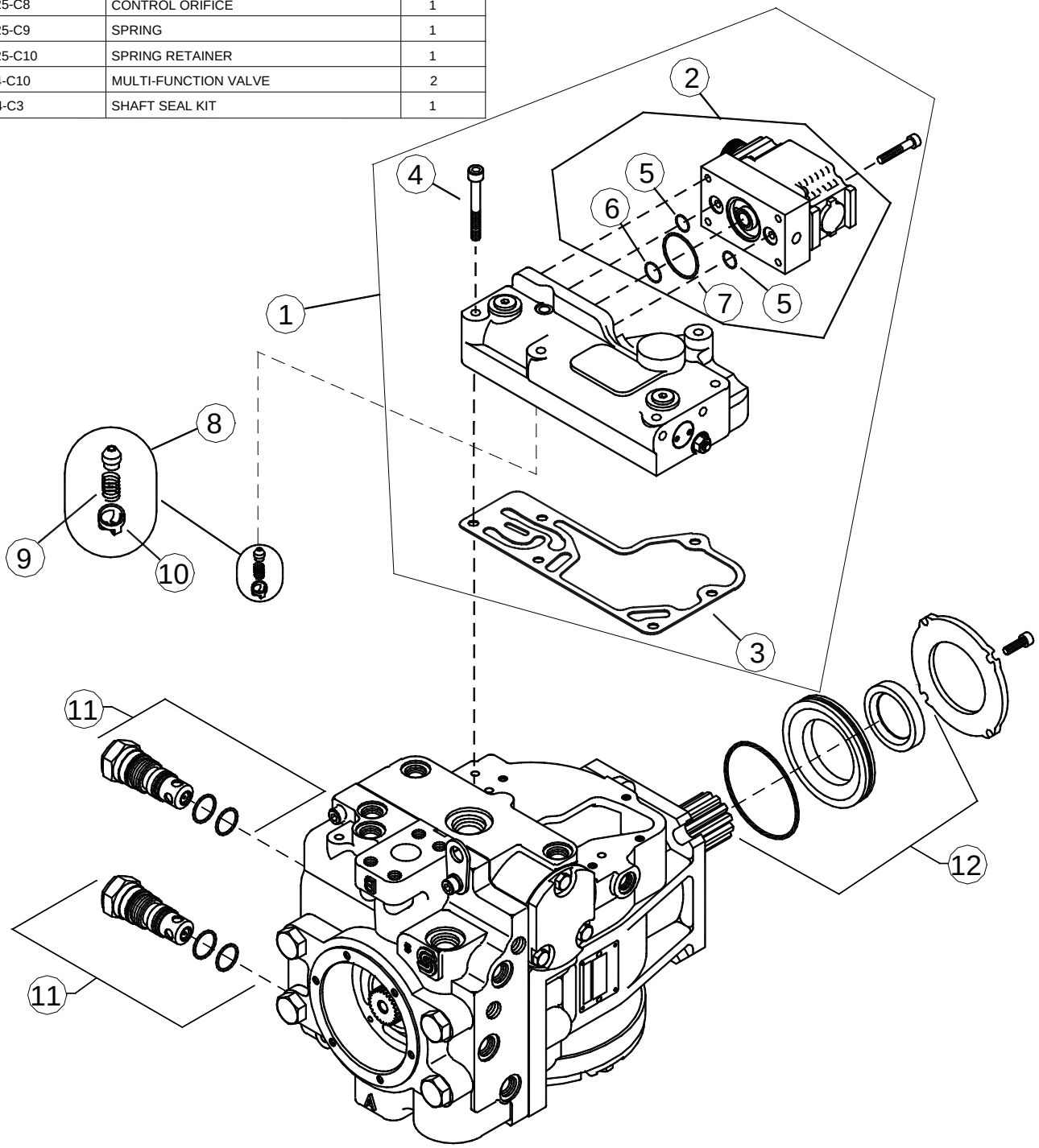


DURST PUMP DRIVE - SB-2500D
(215894-03)

ITEM #	PART NO.	DESCRIPTION	QTY.
		3PD06-171-N11-BBBH-CDH-CDH-LS	
1	215894-03-C2	DOWEL PIN	2
2	215894-03-C1	DIPSTICK	1
3	135572-01-C3	VENT	1
4	215894-03-C4	FITTING	1
5	215894-03-C5	BEARING	8
6	215894-03-C6	INPUT GEAR	1
7	215894-03-C7	INVERTED OIL PLUG	1
8	215894-03-C8	SEAL	1
9	215894-03-C9	OUTPUT GEAR	3
10	215894-03-C10	WASHER	12
11	215894-03-C11	CAPSCREW	12
12	215894-03-C12	INPUT HOUSING	1
13	215894-03-C13	OUTPUT HOUSING	1
14	215894-03-C14	DRAIN PLUG	1
15	215894-03-C15	KIT - PUMP PAD "B"	1
16	215894-03-C16	KIT - PUMP PAD "C"	2
17		CAPSCREW	12
18		PUMP PAD "B"	1
19		PUMP PAD "C"	2
20		O-RING	3
21		O-RING	3
22	215894-03-C17	RETAINING RING	1
23	215894-03-C18	EXPANSION PLUG	1
24	215894-03-C19	O-RING	1
25	215894-03-C20	INPUT SHAFT	1
26	215894-03-C21	RETAINING RING	2
27	215894-03-C22	SPLINE ADAPTER - SAE BB	1
28	215894-03-C23	SPLINE ADAPTER - SAE D	2
29		KIT - ENGINE ADAPTER (NOT SHOWN)	

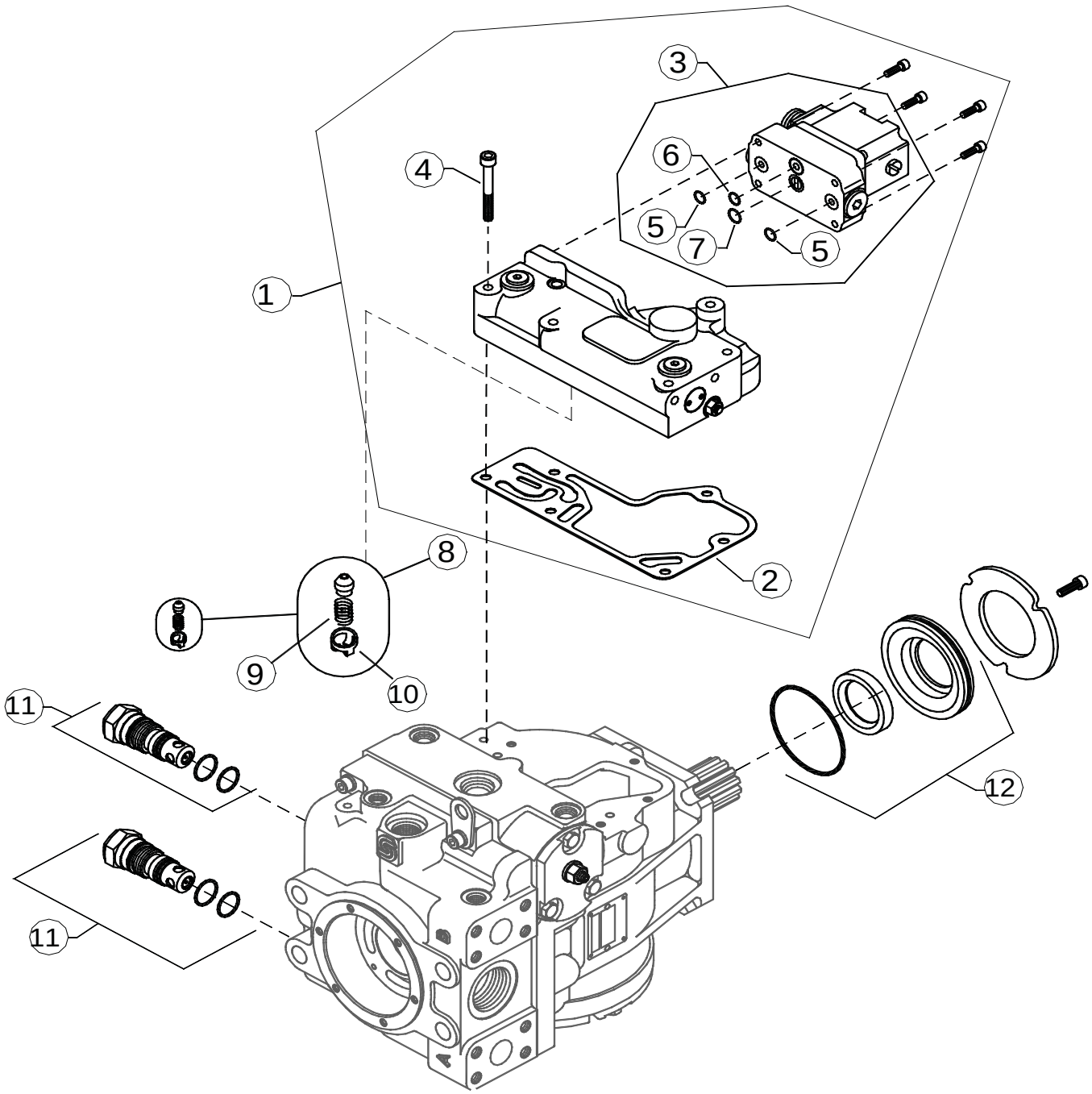
ROADTEC P/N. 99814
SAUER DANFOSS P/N. 95-2508

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	99814-C2	EDC KIT	1
2	99814-C1	PCP	1
3	142125-C2	GASKET	1
4	142125-C4	SCREW	6
5	142125-C5	O-RING	2
6	142125-C6	O-RING	1
7	142125-C7	O-RING	1
8	142125-C8	CONTROL ORIFICE	1
9	142125-C9	SPRING	1
10	142125-C10	SPRING RETAINER	1
11	29J94-C10	MULTI-FUNCTION VALVE	2
12	99814-C3	SHAFT SEAL KIT	1



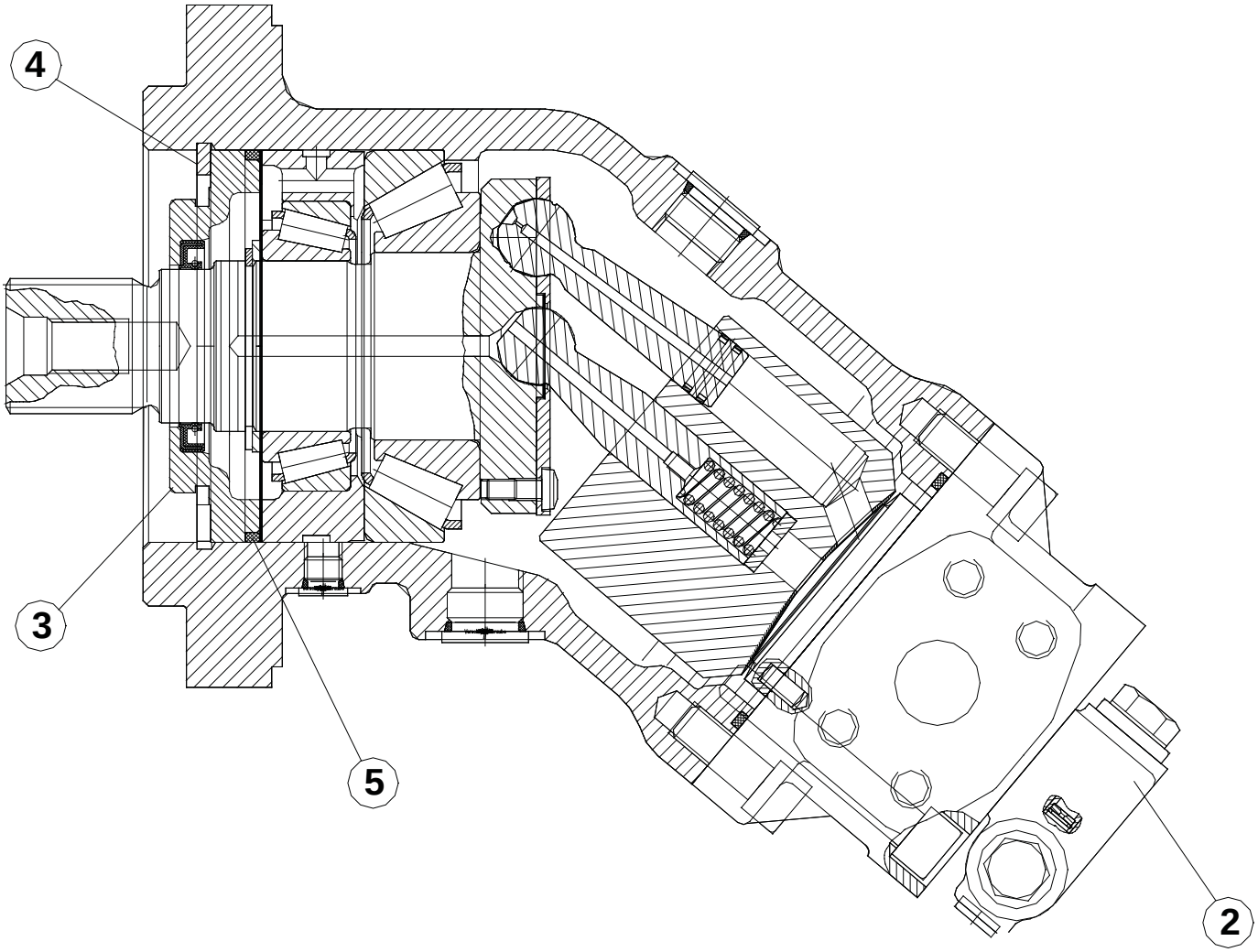
ROADTEC P/N. 29J94
SAUER DANFOSS P/N. 9521343

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	29J94-C13	EDC KIT	1
2	142125-C2	GASKET	1
3	125297-C4-1	PCP	1
4	142125-C4	SCREW	6
5	142125-C5	O-RING	2
6	142125-C6	O-RING	1
7	142125-C7	O-RING	1
8	142125-C8	CONTROL ORIFICE	1
9	142125-C9	SPRING	1
10	142125-C10	SPRING RETAINER	1
11	29J94-C10	MULTI-FUNCTION VALVE	2
12	142125-C11	SHAFT SEAL KIT	1



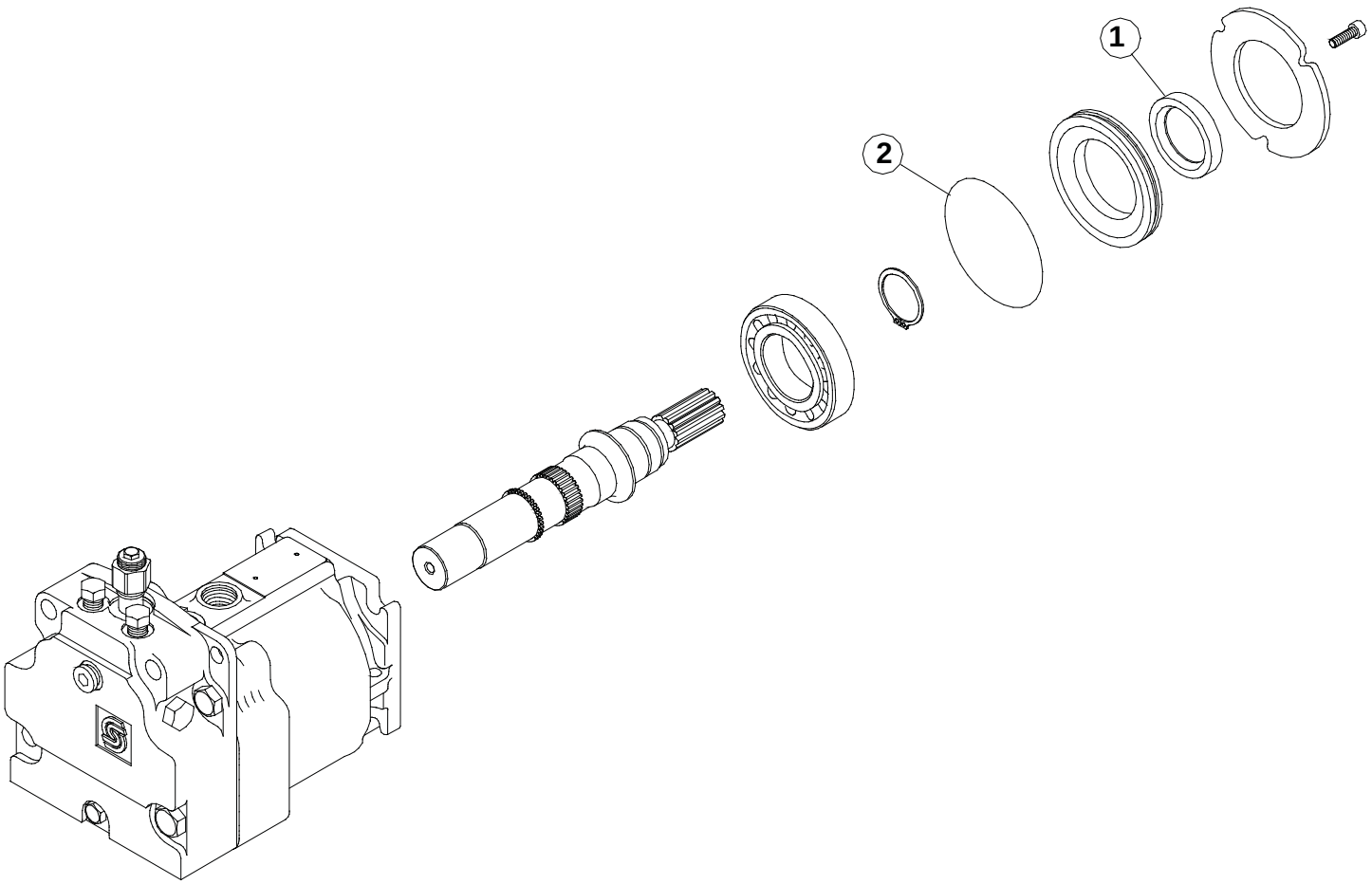
ROADTEC P/N. 137400-04
REXROTH P/N. 02030569

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	137400-04-C1	SEAL KIT	1
2	137400-04-C2	FLUSH & BOOST PRESSURE VALVE	1
3	137400-04-C3	COVER	1
4	137400-04-C4	RETAINING RING	1
5	137400-04-C5	SHAFT SEAL RING	1



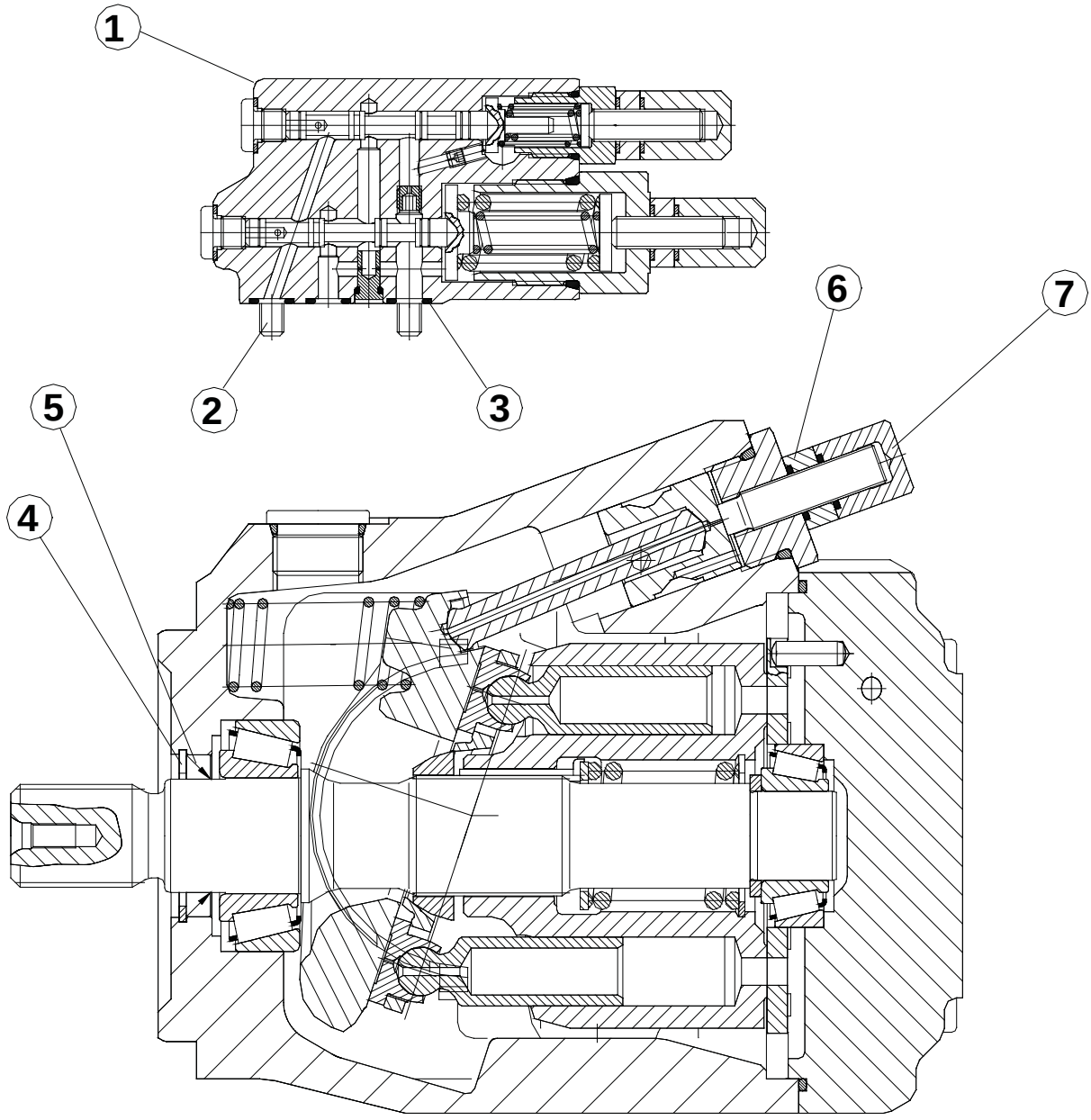
ROADTEC P/N. 91681-04
SAUER DANFOSS P/N. 94-3113

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	91681-04-C3	SHAFT LIP SEAL	1
2	91681-04-C4	O-RING	1
3			
4			
5			

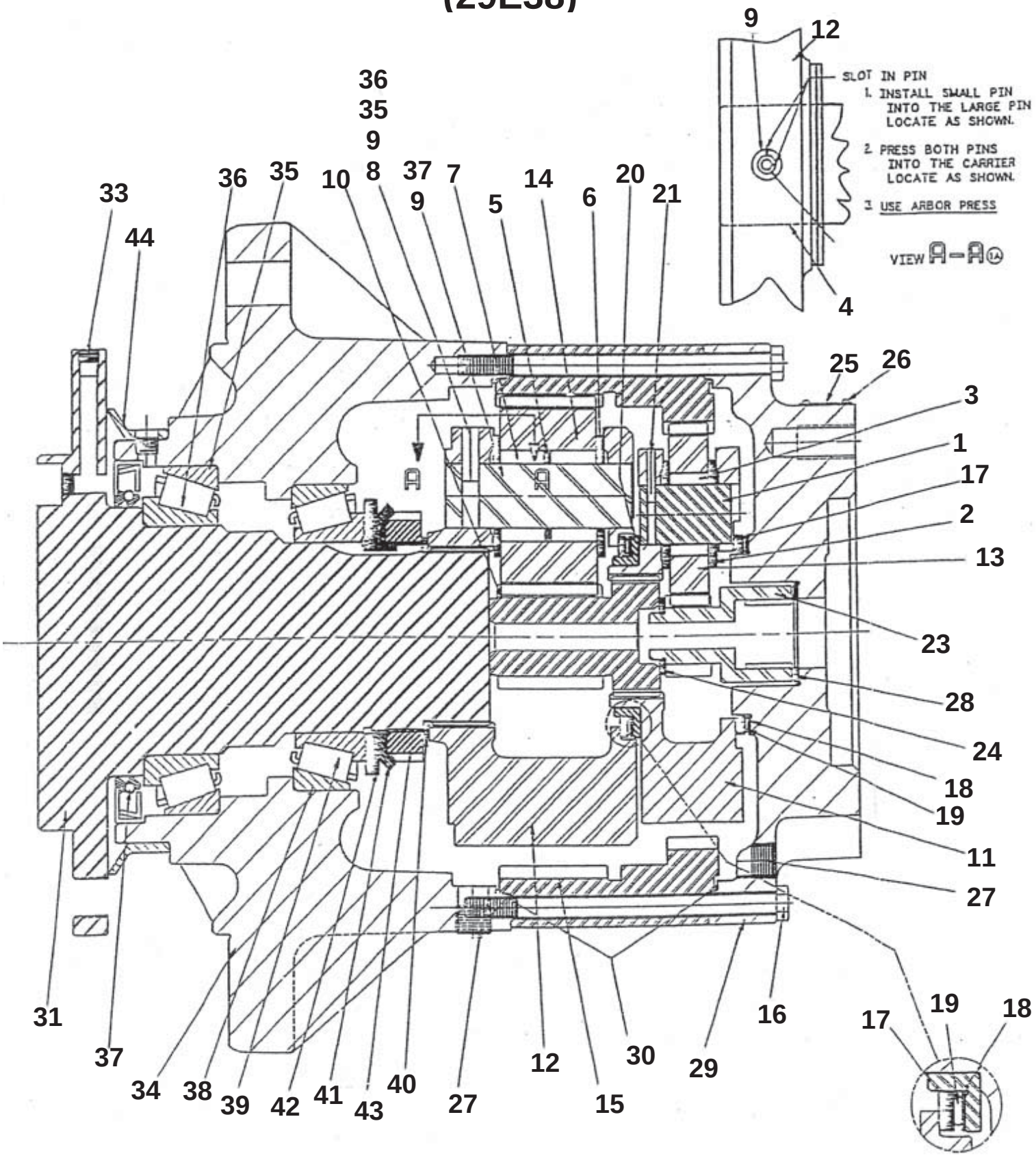


ROADTEC P/N. 128178-04
REXROTH P/N. 00978509

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	128178-04-C12	PILOT VALVE A10 DR	1
2	128178-04-C14	SOC. SCREW M6 X 30 - 10.9	4
3	128178-04-C13	O-RING PRP 011' 7,65X1.78'	3
4	128178-04-C9	SEEGAR V-RING J40X1,75 V	1
5	128178-04-C8	SHAFT SEAL BAB2SL 28X40X6	1
6	128178-04-C10	NUT M10X1	1
7	128178-04-C11	CAP NUT M10X1	1



C-1 GEARBOX ASSEMBLY
(29E38)



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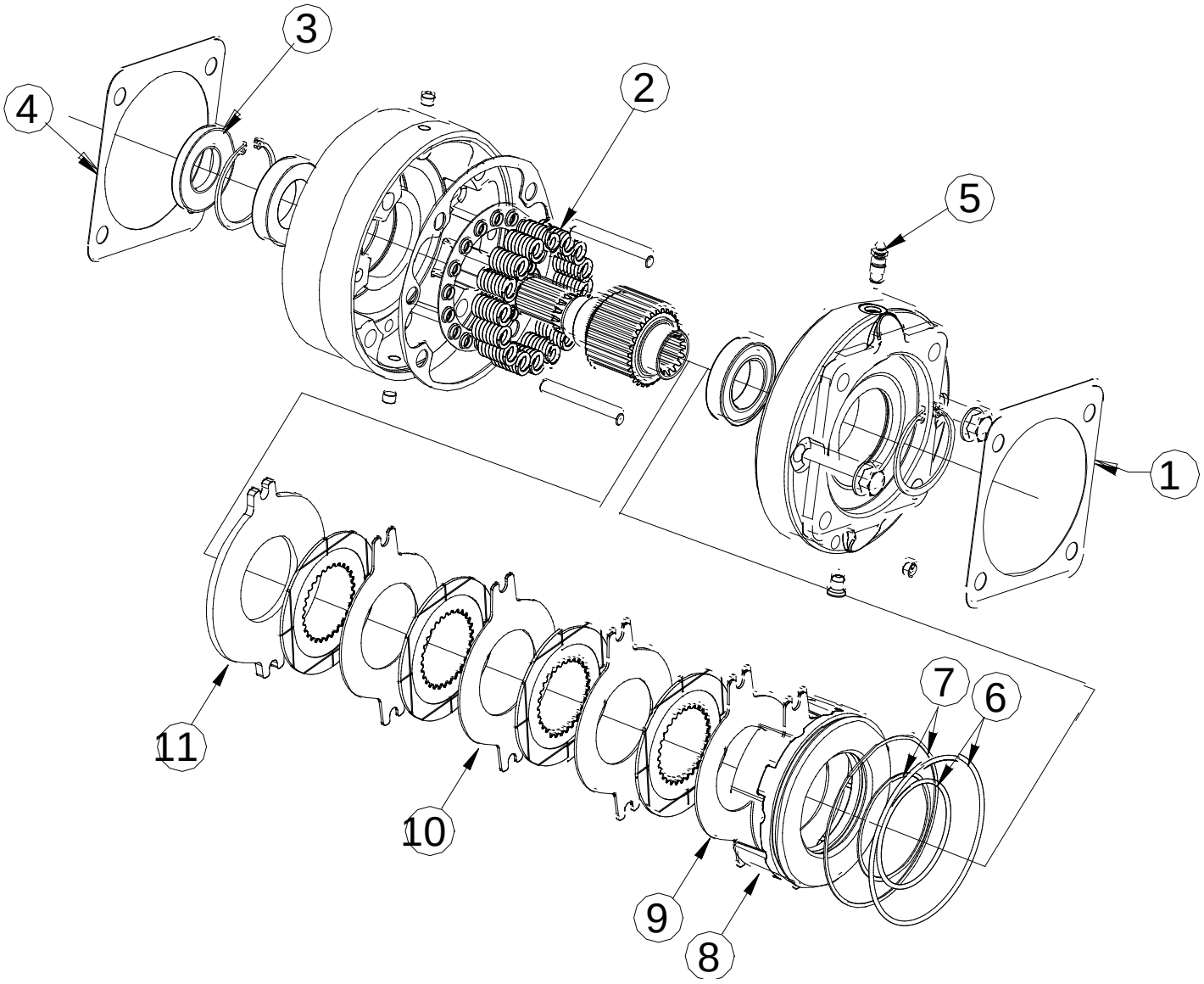
C-1 CONVEYOR GEARBOX
(29E38)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	92837-C6	SHAFT, PLANET	3
2	92837-C4	WASHER, THRUST	12
3	92837-C3	BEARING, NEEDLE	57
4	91679-04-C3	SHAFT, PLANET	3
5	92837-C16	WASHER, THRUST	3
6	92837-C18	WASHER, THRUST	12
7	92837-C17	BEARING, NEEDLE	108
8	92837-C11	ROLL PIN	3
9	91679-04-C4	SPRING PIN	3
10	29F03-C16	SUN GEAR	1
11	29E38-C2	CARRIER	1
12	29E38-C7	CARRIER	1
13	92837-C2	PLANET, GEAR	3
14	29F03-C17	PLANET, GEAR	3
15	29F03-C18	RING GEAR	1
16	26L62	HEX BOLT	24
17	92837-C7	THRUST WASHER	2
18	84841-02-C9	THRUST WASHER	2
19	84841-02-C10	THRUST WASHER	2
20	29F03-C9	BEARING CARRIER	1
21	92837-C11	ROLL PIN	3
22			
23	29E38-C3	SUN GEAR	1
24	29F03-C11	THRUST WASHER	1
25	206038-01-C11	I.D. PLATE	1
26	23S60-C41	DRIVE SCREW	4
27	200479	PIPE PLUG	2
28	29F03-C10	THRUST WASHER	1
29	29E38-C6	INPUT COVER	1
30	29F03-C8	O-RING	2
31	29F03-C7	SPINDLE	1
32	97010-03-C14	PIPE PLUG	1
33	29E38-C36	PIPE PLUG	4
34	29E-38-C45	HOUSING	1
35	29E38-C4	BEARING, TAPERED-CUP	1
36	29F03-C8	BEARING, TAPERED-CONE	1
37	29F03-C2	LIP SEAL	1
38	29E38-C5	BEARING, TAPERED-CUP	1
39	29F03-C14	BEARING, TAPERED-CONE	1
40	29F03-C5	RETAINING RING	1
41	29F03-C3	LOCK WASHER	1
42	29F03-C13	FLAT WASHER	1
43	29F03-C12	NUT, BEARING	1
44	29F03-C1	BOOT SEAL	1
45	29E38-C9	SEAL KIT	1

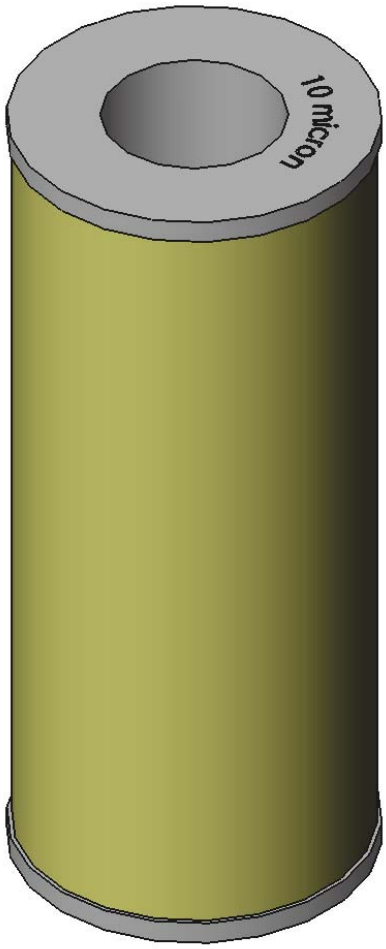
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ROADTEC P/N. 142483
AUSCO P/N. 78018

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	130086-C1	NGC GASKET	1
2	27V92-C4	COMPRESSION SPRING	11
3	142483-01-C1	OIL SEAL	1
4	28Y06-C4	GASKET	6
5	130086-C5	BLEEDER SCREW	2
6	142483-01-C2	O-RING	1
7	142483-01-C3	BACK-UP RING	1
8	142483-01-C4	PISTON	1
9	142483-01-C5	STATIONARY DISC	7
10	142483-01-C6	ROTATING DISC	6
11	142483-01-C7	PRIMARY DISC	1
12			



FILTER * ELEMENT 10 MICRON
(29G40)



ITEM #	PART #	DESCRIPTION	QTY
1	29G40	FILTER * ELEMENT 10 MICRON	1

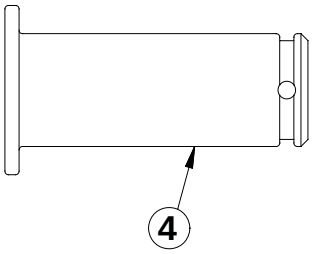
FILTER * ELEMENT 3 MICRON NOMINAL (137269-04)

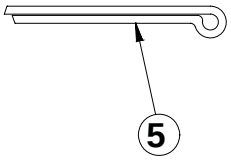


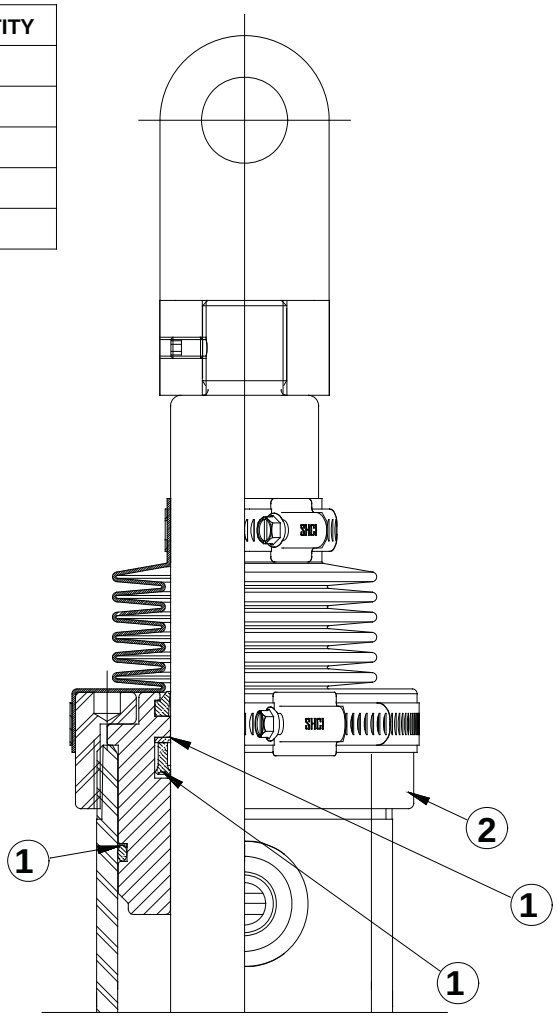
ITEM #	PART #	DESCRIPTION	QTY
1	137269-04	FILTER * ELEMENT 3 MICRON NOMINAL	1

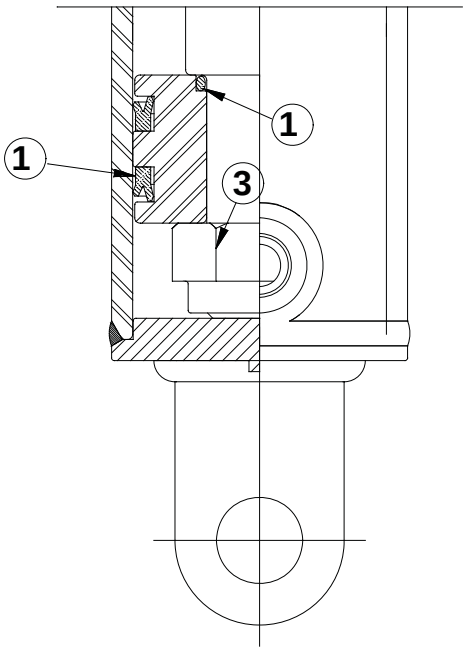
ROADTEC P/N. 144894-01
SOUTHERN HYD. P/N. 3017050

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144894-01-C1	SEAL KIT	1
2	125383-04-C2	HEADCAP	1
3	144894-01-C2	1-1/4" LOCK NUT	1
4	144894-01-C3	CLEVIS PIN	2
5	144993-04	COTTER PIN	2



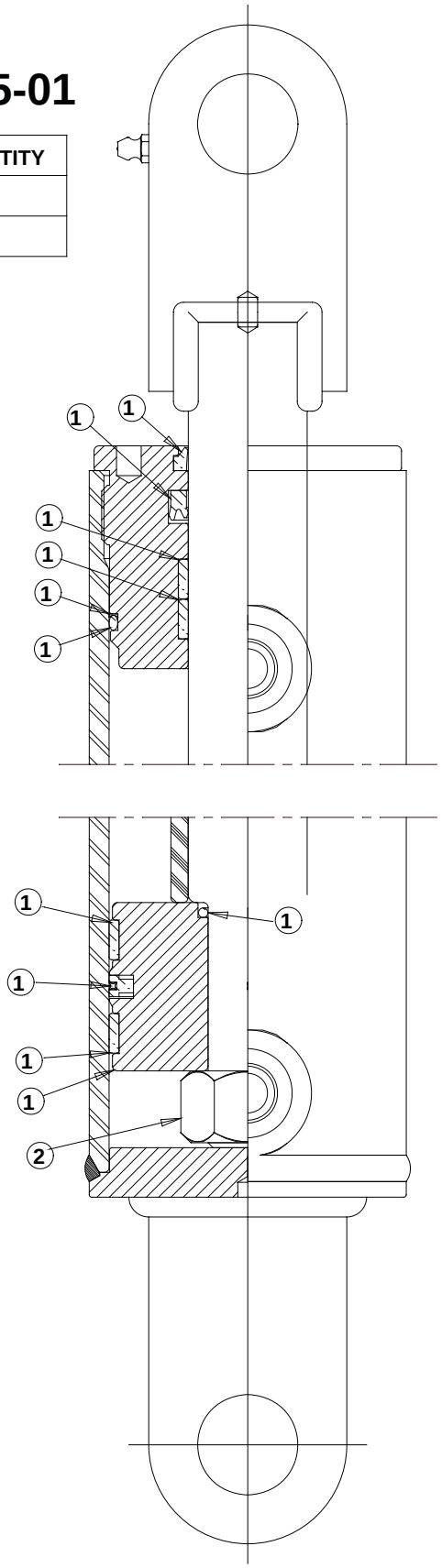






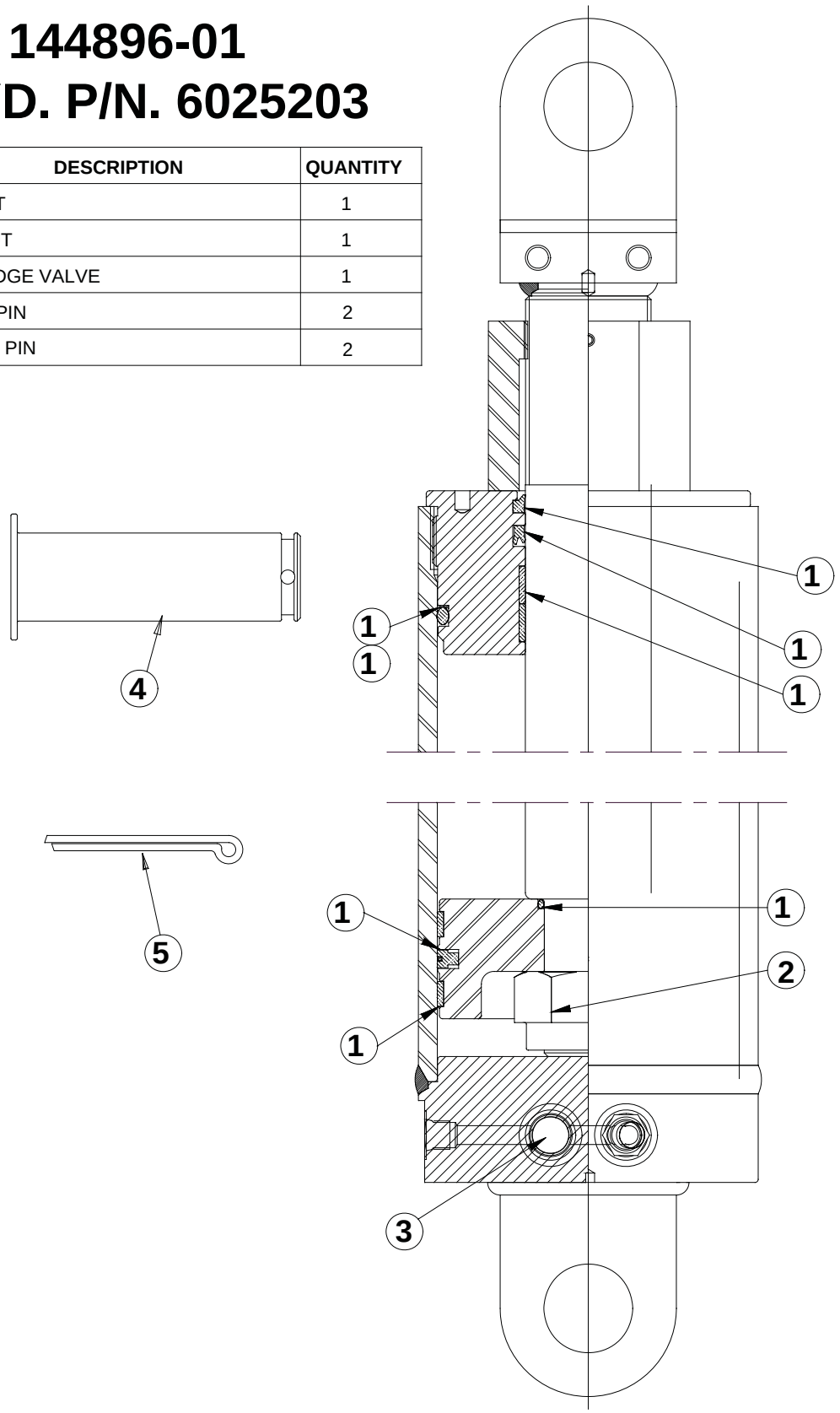
ROADTEC P/N. 144895-01
SOUTHERN HYD. P/N. 3515082-144895-01

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144895-01-	SEAL KIT	1
2	144895-01-C2	LOCKNUT	1



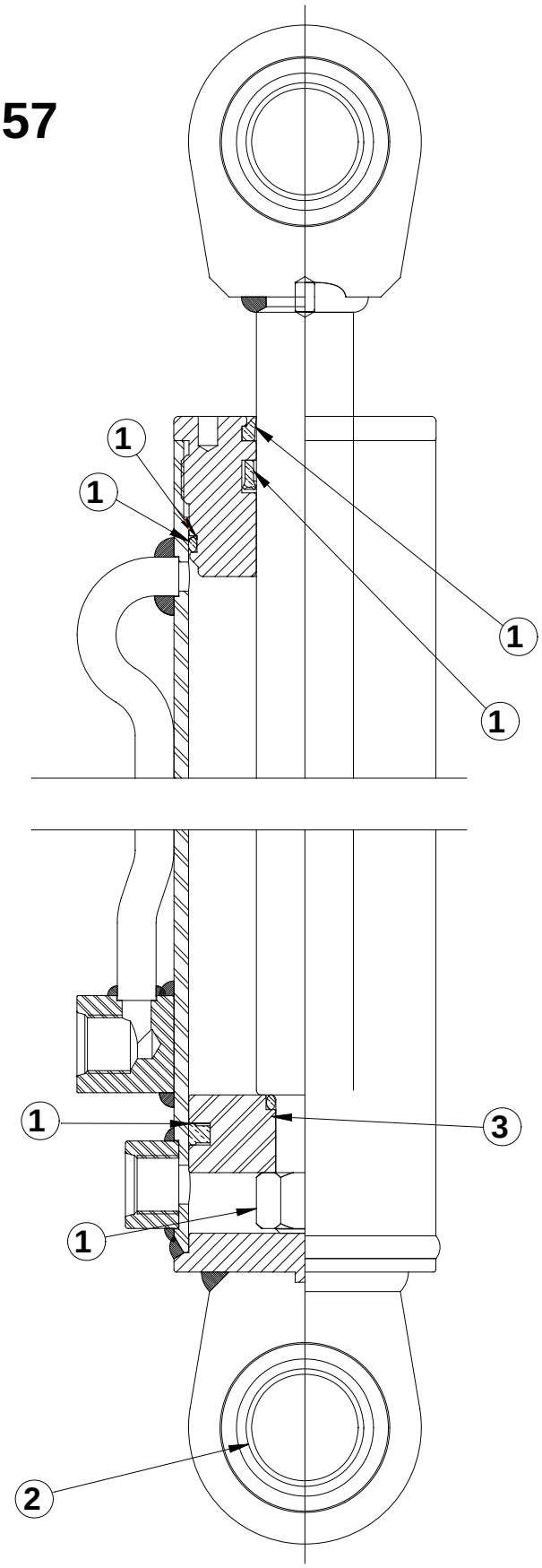
ROADTEC P/N. 144896-01
SOUTHERN HYD. P/N. 6025203

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	29E83C1	SEAL KIT	1
2	144896-01-C2	LOCKNUT	1
3	90412-01-C1	CARTRIDGE VALVE	1
4	144896-01-C3	CLEVIS PIN	2
5	27D75	COTTER PIN	2



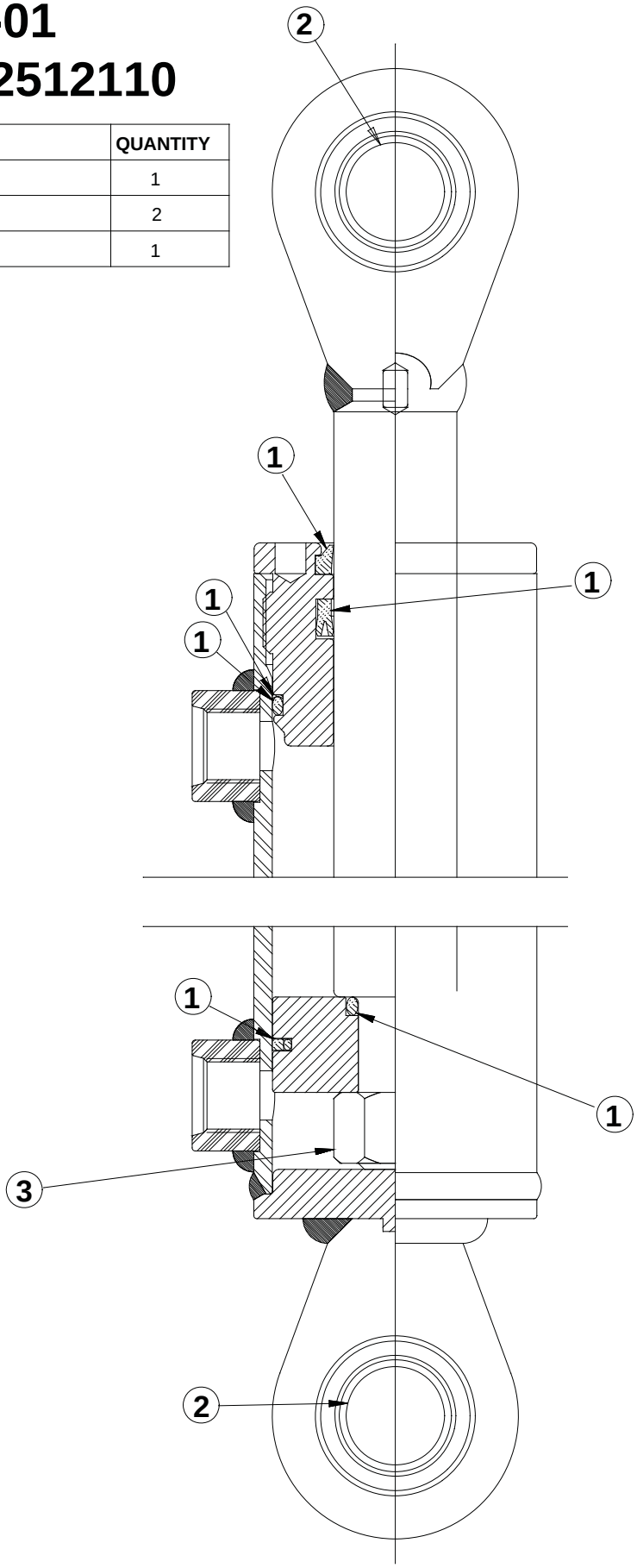
ROADTEC P/N. 144897-01
SOUTHERN HYD. P/N. 3012157

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	83322-01-C1	SEAL KIT	1
2	144897-01-C2	SPHERICAL BEARING	2
3	97482-01-C8	3/4" LOCKNUT	1



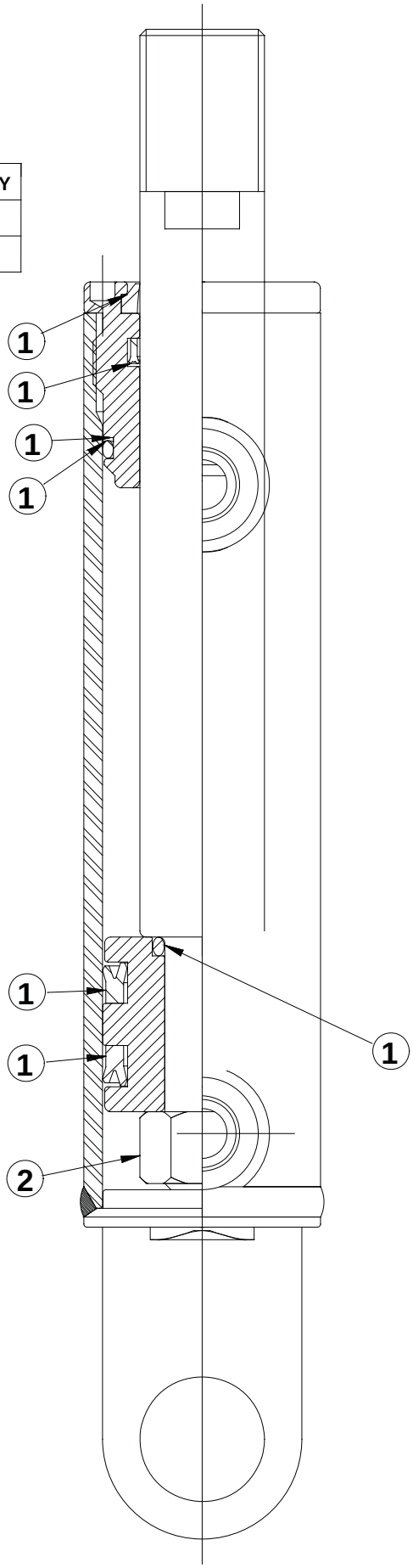
ROADTEC P/N. 144898-01
SOUTHERN HYD. P/N. 2512110

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	89027-04-C1	SEAL KIT	1
2	144898-01-C2	SPHERICAL BEARING	2
3	97482-01-C8	3/4" LOCK NUT	1



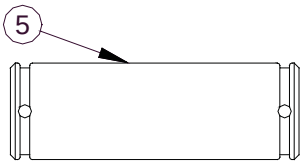
ROADTEC P/N. 144899-01
SOUTHERN HYD. P/N. 2012045

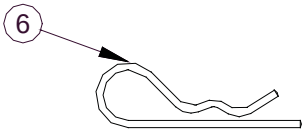
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144899-01-C1	SEAL KIT	1
2	97482-01-C8	3/4" LOCK NUT	1



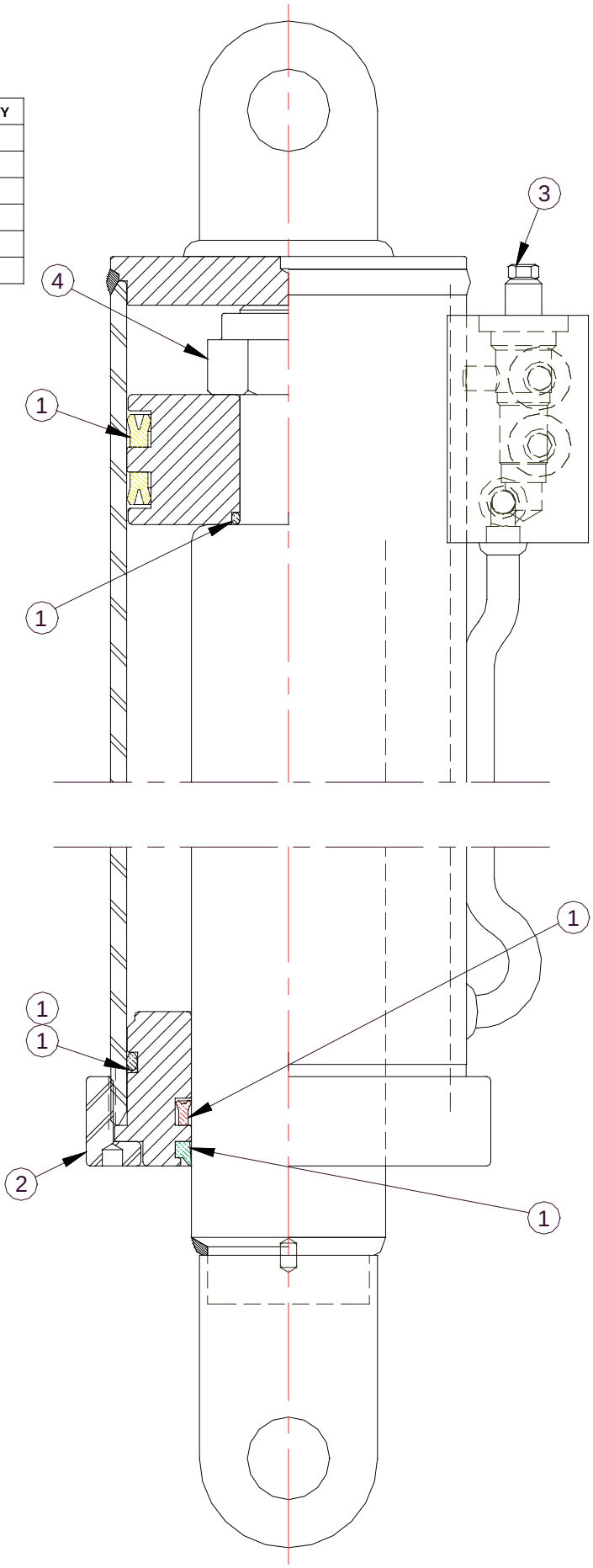
ROADTEC P/N. 144900-01
SOUTHERN HYD. P/N. 5030260

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	93544-01-C3	SEAL KIT	1
2	89028-04-C8	HEADCAP	1
3	90412-01-C1	CARTRIDGE VALVE	1
4	144900-01-C2	LOCKNUT	1
5	89033-04	CLEVIS PIN	1
5	89034-04	HAIR PIN	1



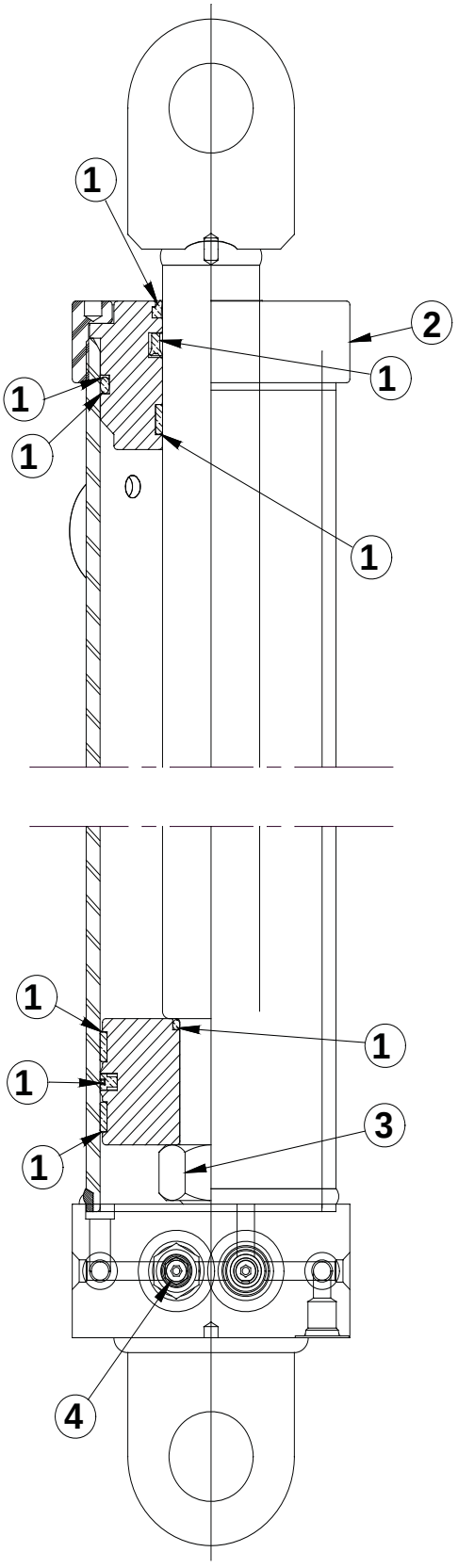


12/F



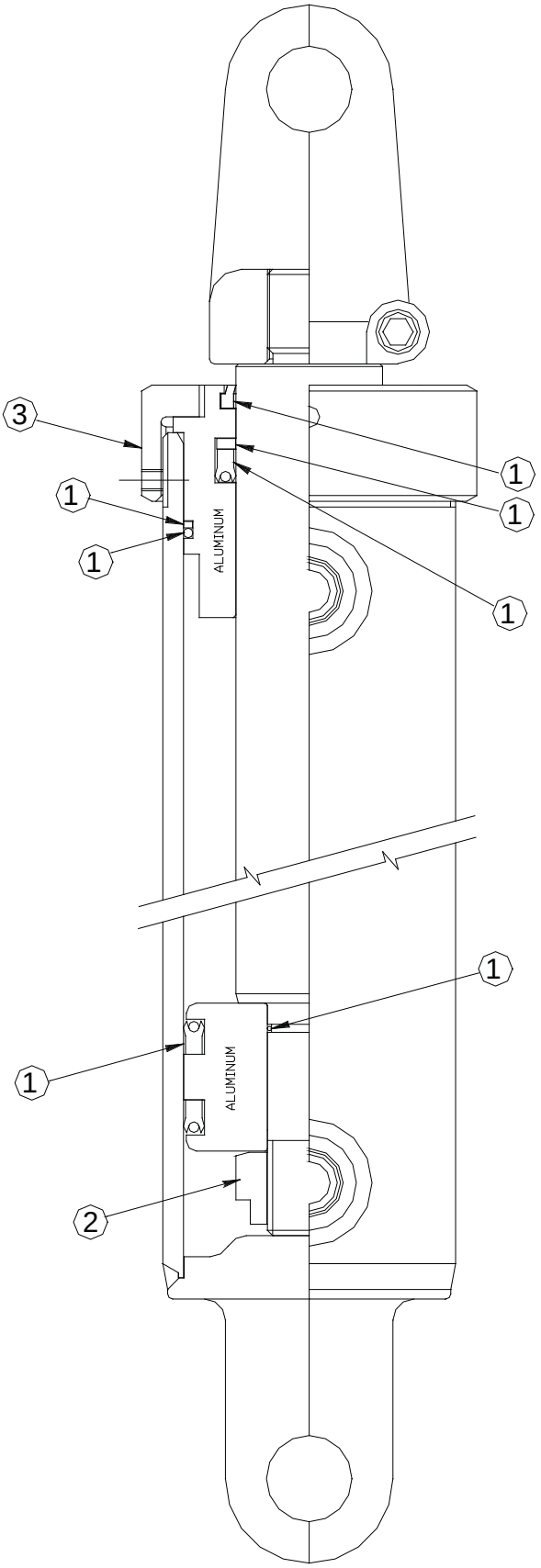
ROADTEC P/N. 144901-01
SOUTHERN HYD. P/N. 4017210

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	93015-C1	SEAL KIT	1
2	144901-01-C3	HEADCAP	1
3	144901-01-C2	1-1/8" LOCK NUT	1
4	90412-01-C1	CARTRIDGE VALVE	2



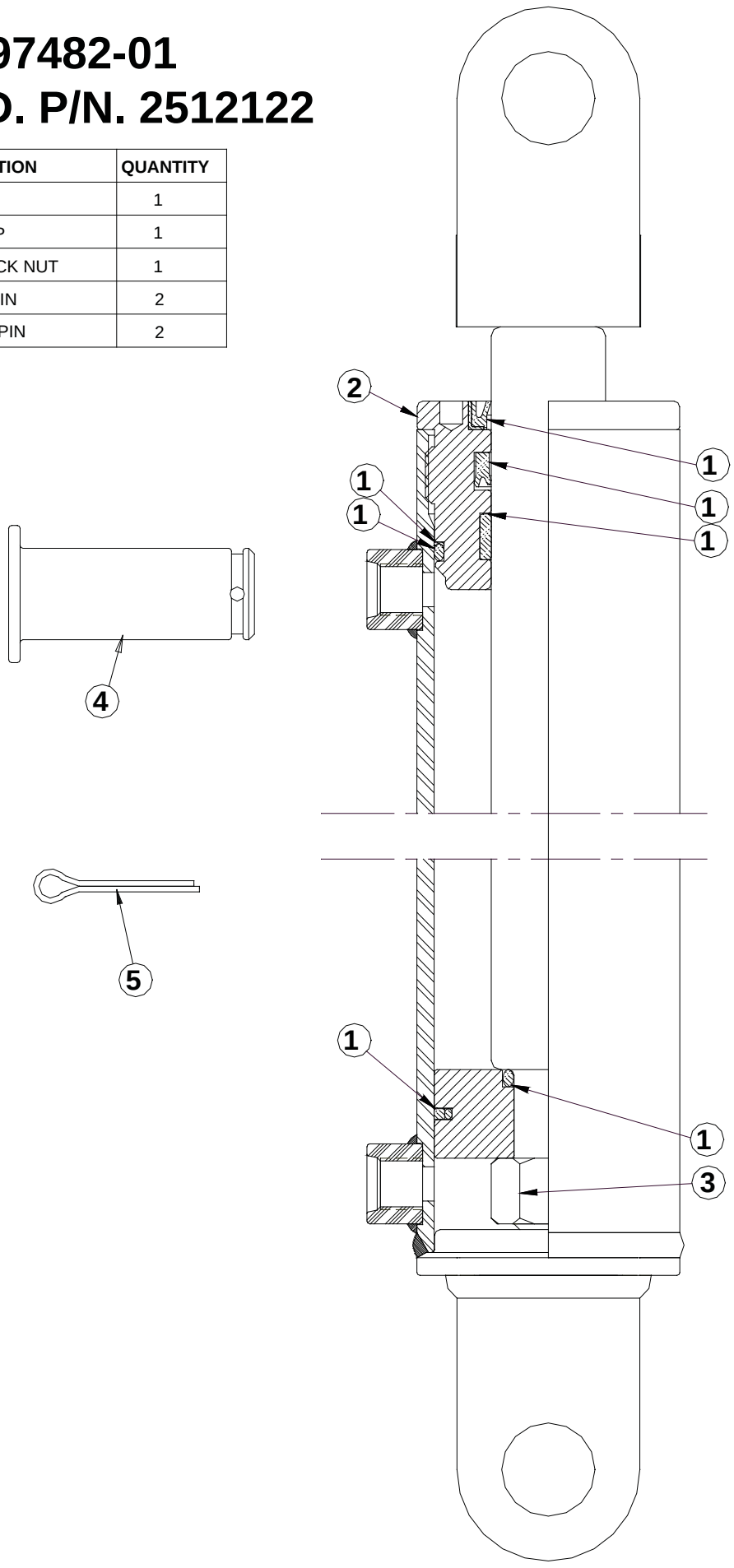
ROADTEC P/N. 93833-02
TEXAS HYD. P/N. TH3008028CA

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	93833-02-C1	SEAL KIT	1
2	93833-02-C6	LOCK NUT	1
3	93833-02-C5	HEAD CAP	1
4	89032-04	CLEVIS PIN	2
5	89034-04	COTTER PIN	2



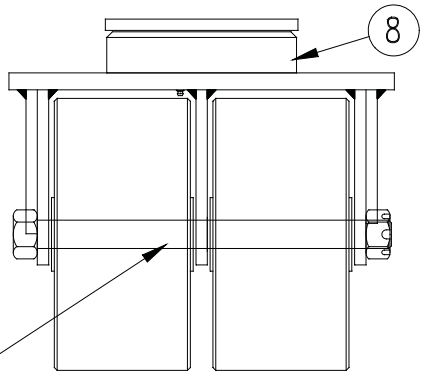
ROADTEC P/N. 97482-01
SOUTHERN HYD. P/N. 2512122

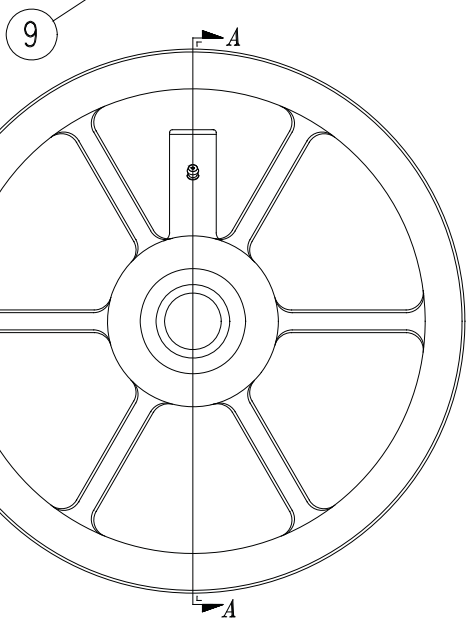
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144894-01-C1	SEAL KIT	1
2	125383-04-C2	HEADCAP	1
3	97482-01-C8	1-1/4" LOCK NUT	1
4	97482-01-C5	CLEVIS PIN	2
5	128592	COTTER PIN	2

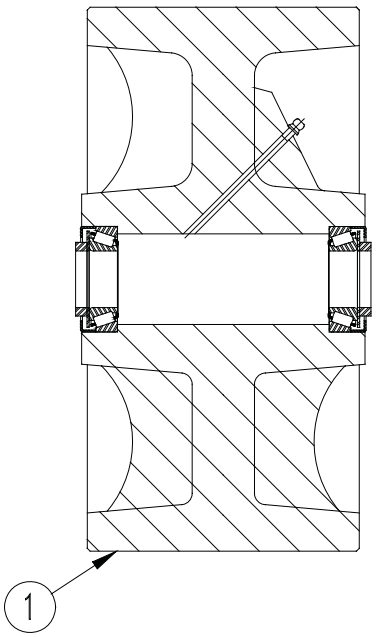


ROADTEC P/N 132001-04
RWM P/N PSB-100-F-15

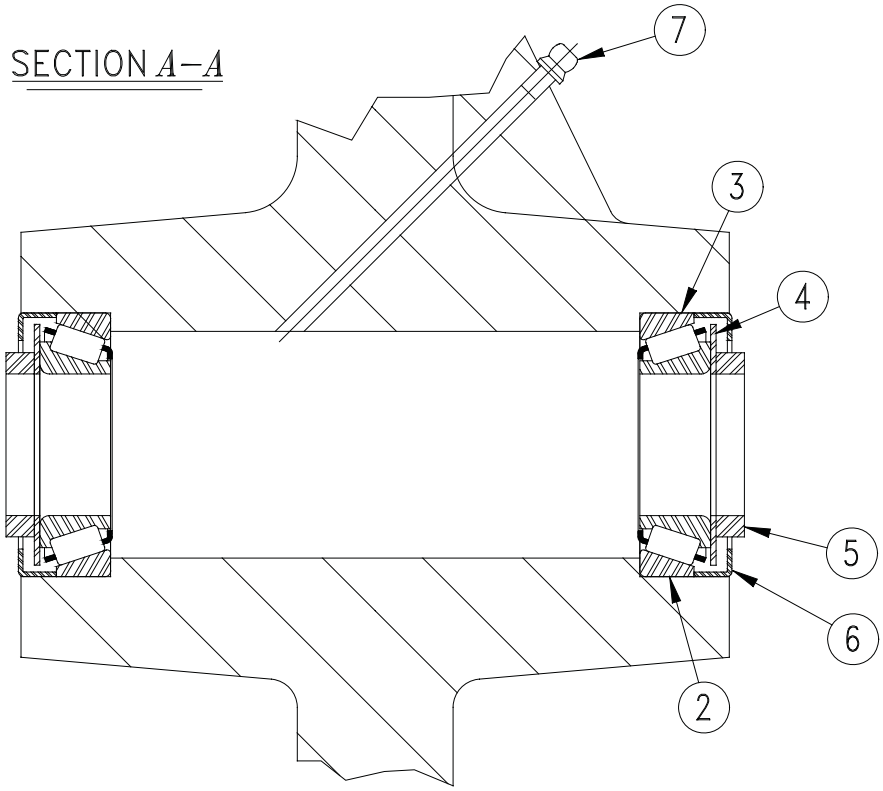
ITEM	QTY	PART #	DESCRIPTION
1	1	132001-04-C7	WHEEL ASSEMBLY
2	2	132001-04-C3	BEARING-TIMKEN CONE-LM67048 1-1/4 ID x 2-2
3	2	132001-04-C2	BEARING-TIMKEN CUP-LM67010 1-1/4 ID x 2-2
4	2	132001-04-C4	53-LM67048 FLINGER WASHER
5	2	132001-04-C5	SPACER 1-1/4 x 1-15/8 x 1/4 LG.
6	2	132001-04-C6	16-LM67048 1-1/4 CLOSURES
7	1	132001-04-C9	ZERK .220 DR. STRAIGHT W/O BALL CHECK
8	1	132001-04-C8	FRAME
9	1	132001-04-C1	1 1/4 X 15 7/8 AXLE W/ NUT







SECTION *A-A*

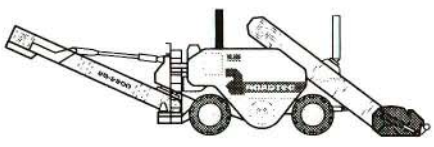


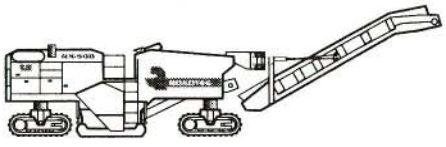
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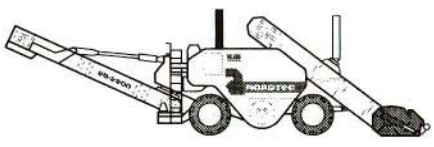
ROADTEC
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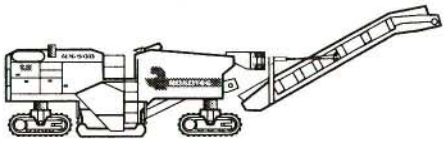
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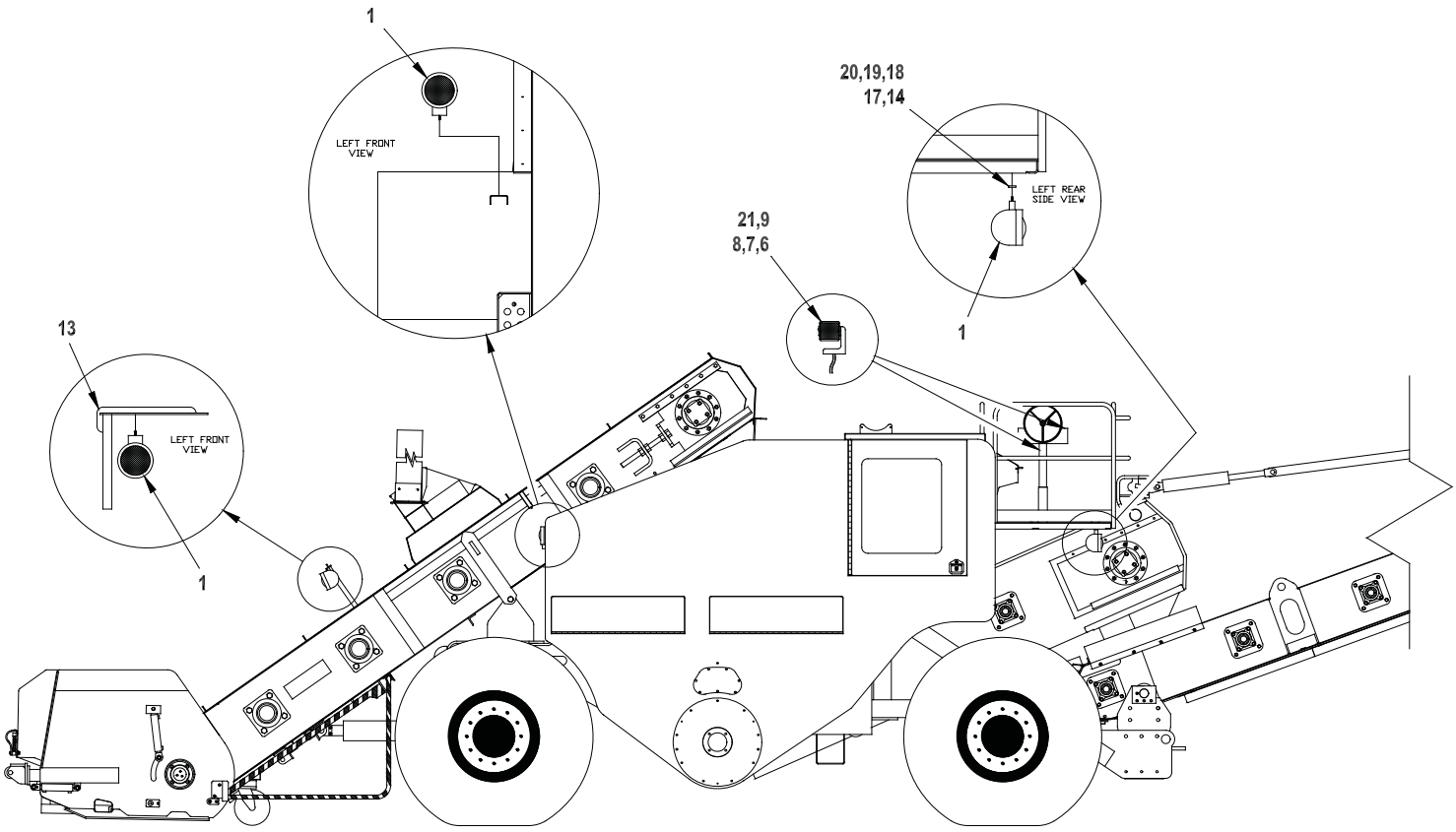
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SECTION 8 : OPTIONAL EQUIPMENT

ASSEMBLY	PART NO.	S/N	PAGE NO.
12 VDC. WORKING LIGHTS	201880-01	640 & UP	8.1
TRUCK HITCH	201853-01		8.3
4kw-120v GENERATOR	216355-01		8.5
GENSET OUTLET EXT'N.	148267-03		8.8
STORAGE CABINET	211338-01		8.9
WINDROW	212471-01	780 & UP	8.11
WINDROW PIVOT	200855-01		8.15
ELECTRICAL	203236-01		8.17
HYDRAULIC	212043-01		8.19
C-1 HOPPER CNTL.	212046-02		8.23
C-1 RAISE/LOWER MANIFOLD	212045-03		8.24
ENVIR. WASHDOWN	217955-01		8.25

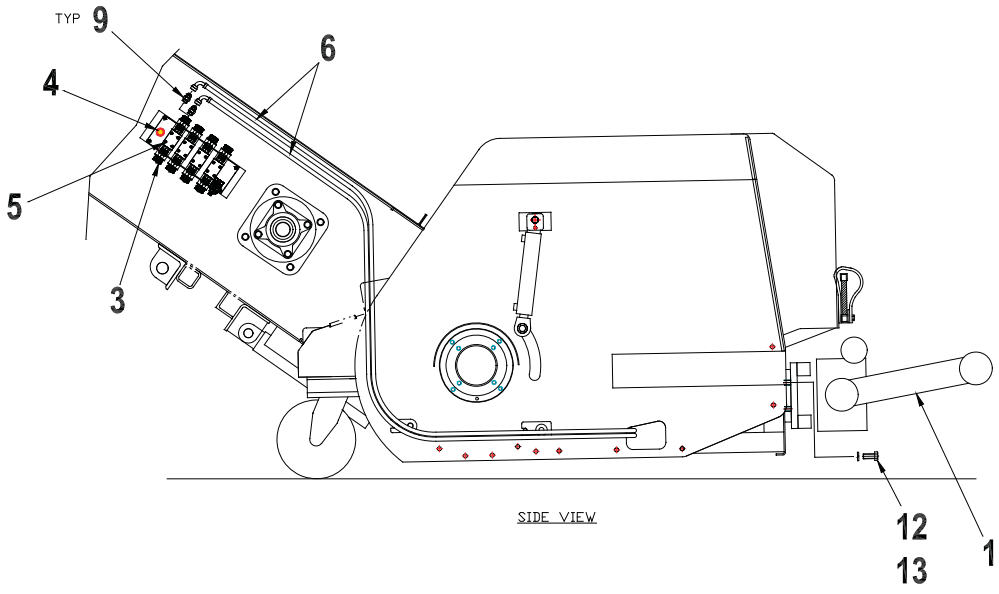
12 VDC. WORKING LIGHTS OPTION
(201880-01)



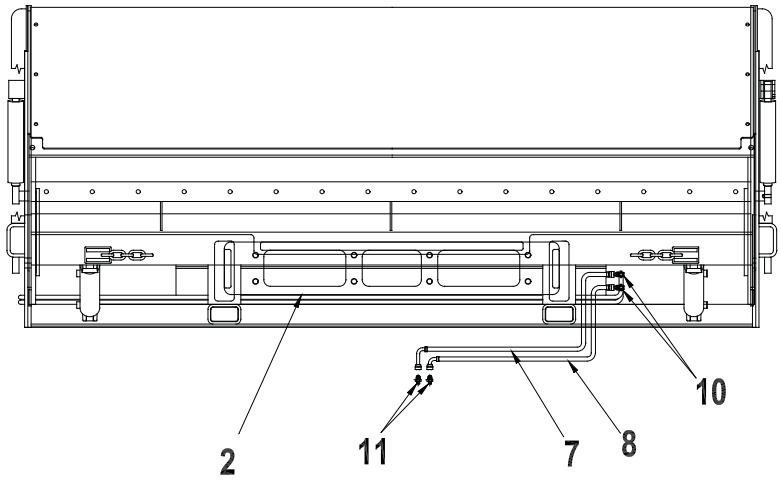
12 VDC. WORKING LIGHTS OPTION
(201880-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	89801-04	LIGHT - HELLA LAMP 12 VDC	6
2	87856-04	WIRE - 12 GA.	720"
3	13E68	TOGGLE SWITCH	2
4	95021	SPLIT LOOM - 1/4" PLASTIC	720"
5	92523-04	CIRCUIT BREAKER - 30 AMP	2
6	91207-04	SCREW, SLOT HD. 10-32 X 1 1/4"	4
7	90102	NUT, HEX 10 - 32 UNC	4
8	90103	LOCK WASHER # 10	4
9	92552	FLAT WASHER # 10	4
10	121539	MALE CONNECTOR	4
11	121396	FEMALE CONNECTOR	2
12	93253	TERMINAL RING # 16 GA. (# 10)	4
13	201210-03	C-1 MIRROR MOUNT	
14	140777-04	RR. LIGHT BRACKET (PLATFORM)	2
15	20K32	CLAMP - 1/4" WIRE LOOM	22
16	83905-04	WIRE TIE - 1/4" X 14" NYLON	50
17	83757	FLAT WASHER 3/8"	6
18	83056	LOCK WASHER 3/8"	6
19	83442	BOLT, HEX 3/8-16 X 1" GD. 8	2
20	144757-04	12 V. CONSOLE LIGHT	2
21	130771	CLAMP - 1/2" CUSHION TUBE (3/8" BOLT)	16
22	83114	BOLT, HEX 1/4-20 X 1/2" GD. 8	16
23	84444	FLAT WASHER 1/4" STEEL	16
24	83065	LOCK WASHER 1/4" SPRING STEEL	16

TRUCK HITCH OPTION
(201853-01)

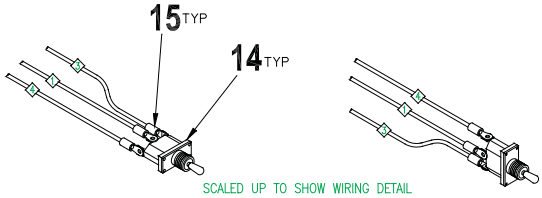


SIDE VIEW

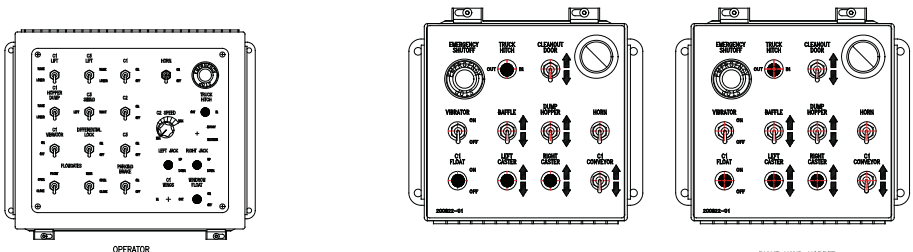


FRONT VIEW
TRUCK HITCH NOT SHOWN

REMOVE EXISTING HOSES AND FITTINGS ON TRUCK HITCH AND REPLACE THEM WITH ITEMS 7, 8, AND 11.



SCALED UP TO SHOW WIRING DETAIL



OPERATOR CONTROL BOX

LEFT HAND HOPPER CONTROL BOX

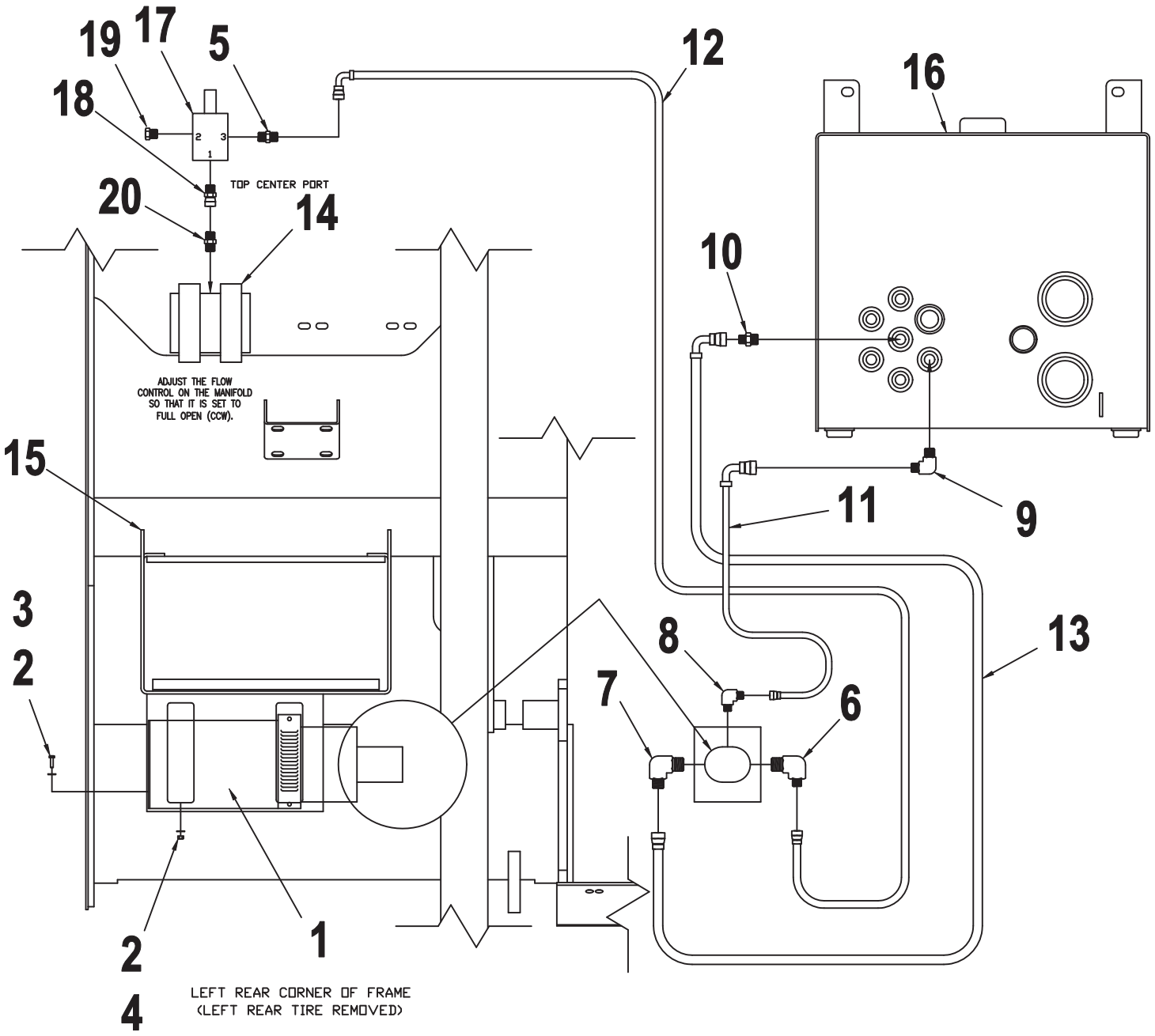
RIGHT HAND HOPPER CONTROL BOX

TRUCK HITCH OPTION
(201853-01)

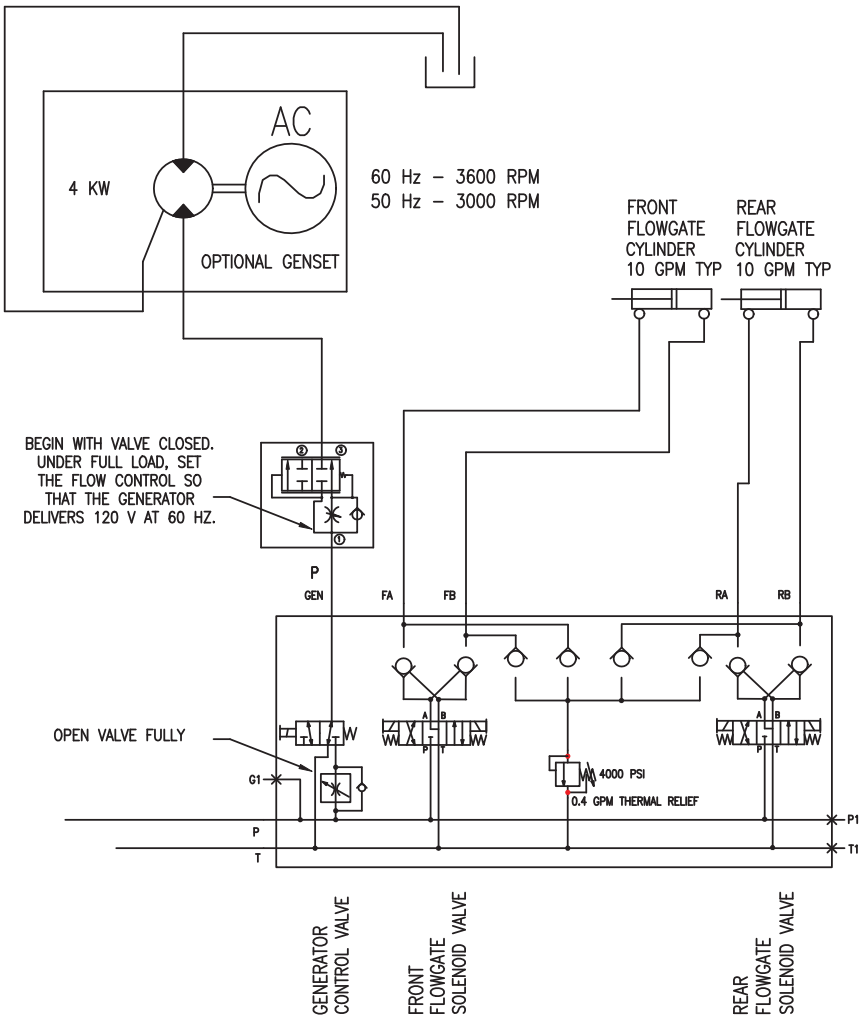
ITEM #	PART NO.	DESCRIPTION	QTY.
1	29E85	TRUCK HITCH	1
2	201811-01	TRUCK HITCH MOUNTING PLATE	1
3	143972-C12	VALVE - D03 MOTOR SPOOL	1
4	143972-C19	PRESSURE REDUCING VALVE	1
5	148745-04	SCREW - # 10-24 X 2 CAP	4
6	201881	HOSE ASSY - STD 1/4 X 240, 4X6ST-4X690	2
7	201882	HOSE ASSY - STD 1/4 X 36, 4X6ST-4X6LN90	1
8	129871	HOSE ASSY - STD 1/4 X 36, 4X6ST-4X690	1
9	83469-04	8 SAE X 6 JIC STRAIGHT	2
10	85381	6 JIC BULKHEAD 90	2
11	86170-04	1/4 NPT X 6 JIC STRAIGHT	2
12	00891	HEX BOLT - 3/4-10 X 1 3/4 GR8	8
13	83133	FLAT WASHER - 3/4	8
14	139471	SWITCH - TOGGLE MOMENTARY SPRING	3
15	90990-04	WIRE - RING POST # 6 - # 16	9

4kw-120V. GENERATOR ASSY.
(216355-01)

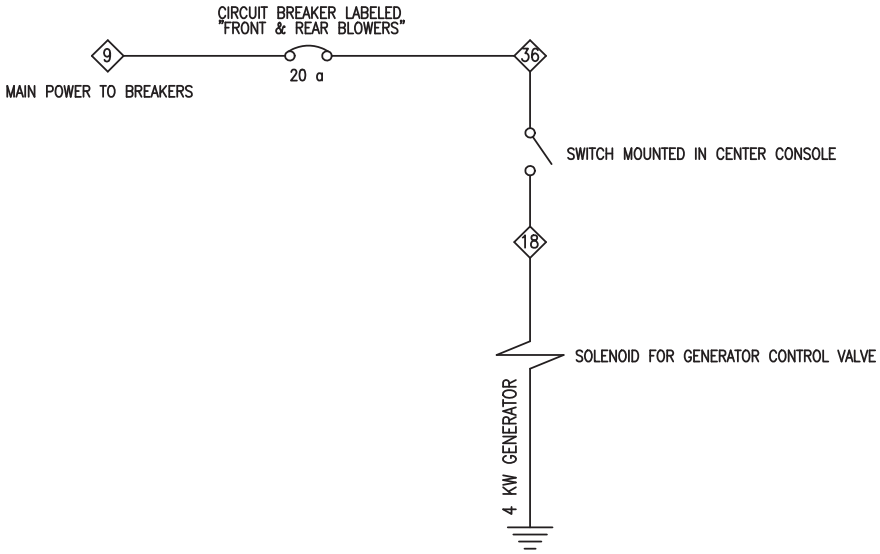
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4kw-120V. GENERATOR ASSEMBLY
(216355-01)



HYDRAULIC SCHEMATIC



ELECTRICAL SCHEMATIC

4kw-120V. GENERATOR ASSEMBLY
(216355-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	135308-04	GENERATOR - 4kw-120V AC W/O FLOW CONTROL	1
2	15C82	BOLT - 5/16-18 X 1 1/4" GR8	4
3	90871	FLAT WASHER - 5/16" STEEL	8
4	90875	LOCK NUT - 5/16-18	4
5	83469-04	FIT - 8 SAE X 6 JIC ST	1
6	92987	FIT - 10 SAE X 6 JIC 90 DEG.	1
7	123831	FIT - 10 SAE X 8 JIC 90 DEG.	1
8	83743-04	FIT - 4 SAE X 4 JIC 90 DEG.	1
9	120672	FIT - 3/4" NPT X 6 JIC 90 DEG.	1
10	83962-04	FIT - 3/4" NPT X 8 JIC ST	1
11	131121	HOSE ASSY. - 1/4" STD X 92" (4-4 ST X 4-6 90 DEG.)	1
12	126910	HOSE ASSY. - 3/8" STD X 86" (6-6 ST X 6-6 90 DEG.)	1
13	134510	HOSE ASSY. - 1/2" STD X 91" (8-8 ST X 8-8 90 DEG.)	1
14	146252-03	VALVE - FLOWGATE GENERATOR MANIFOLD	REF
15	200183-01	BATTERY BOX WELDMENT	REF
16	200204-01	HYDRAULIC TANK WELDMENT	REF
17	205783-04	VALVE - FLOW REGULATOR	1
18	122168	FIT - 8 SAE M - 8 JIC F SWIVEL	1
19	83767-04	FIT - PLUG 8 SAE	1
20	83462-04	FIT - CONNECTOR 8 JIC - 6 SAE MALE	1

GENSET OUTLET EXTENSIONS
(148267-03)

ITEMS 1 & 14 ARE DIVIDED AS FOLLOWS:

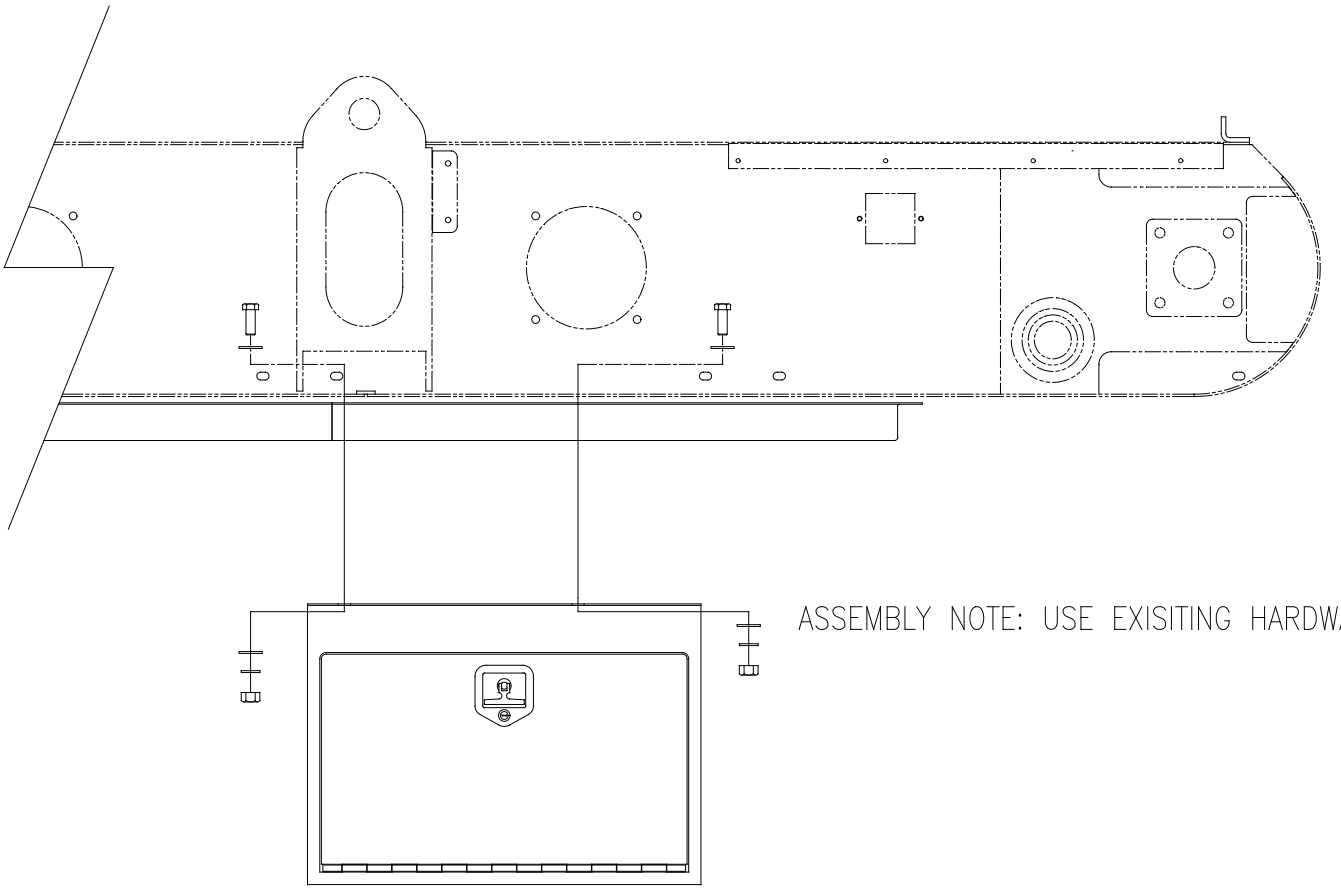
	3/8 CONDUIT	BLACK WIRE	WHITE WIRE	GREEN WIRE
FRONT TO BACK - RIGHT SIDE	264”	276”	276”	276”
RIGHT SIDE TO GENERATOR SET	144”	156”	156”	156”
FRONT TO BACK - LEFT SIDE	252”	264”	264”	264”
LEFT SIDE TO GENERATOR SET	20”	32”	32”	32”

ITEMS 3 MOUNT WITH ITEMS 10, 11, & 12 AT THE FOUR CORNERS OF THE MACHINE
BOTH FRONT CORNERS - DRILL & TAP THE BOTTOM AT EACH END OF THE 3” TUBE THAT THE HORN IS MOUNTED TO.

BOTH RAER CORNERS - DRILL & TAP THE BOTTOM OF BOTH THE REAR HYDRAULIC & FUEL TANK MOUNTS

REF NO.	PART NO.	DESCRIPTION	NO. REQ’D
1	122101	FLEX CONDUIT - 3/8” SEALED X 680”	1
2	142461	FORK TERMINAL - #10 YELLOW	16
3	128940	OUTLET BOX	4
4	128939	COVER - GRAY OUTLET BOX WEATHER-PROOF	4
5	128938	DUPLEX RECEPTACLE	4
6	90554	RING TERMINAL - # 10 YELLOW	6
7	122101-C1	CONDUIT FITTING - 3/8” SEALED ST	5
8	122933	WIRE NUT - RED	2
9	122101-C2	CONDUIT FITTING - 3/8” SEALED 90	3
10	89988-04	BOLT, HEX 1/4 - 20 X 3/4”	8
11	84444	FLAT WASHER 1/4” STEEL	8
12	83065	LOCKWASHER 1/4” SPRING STEEL	8
13	122101-C3	CONDUIT NUT - 3/8” SEALED	2
14	87856-04	WIRE - 12 GA. X 2184”	1

STORAGE CABINET OPTION
(211338-01)

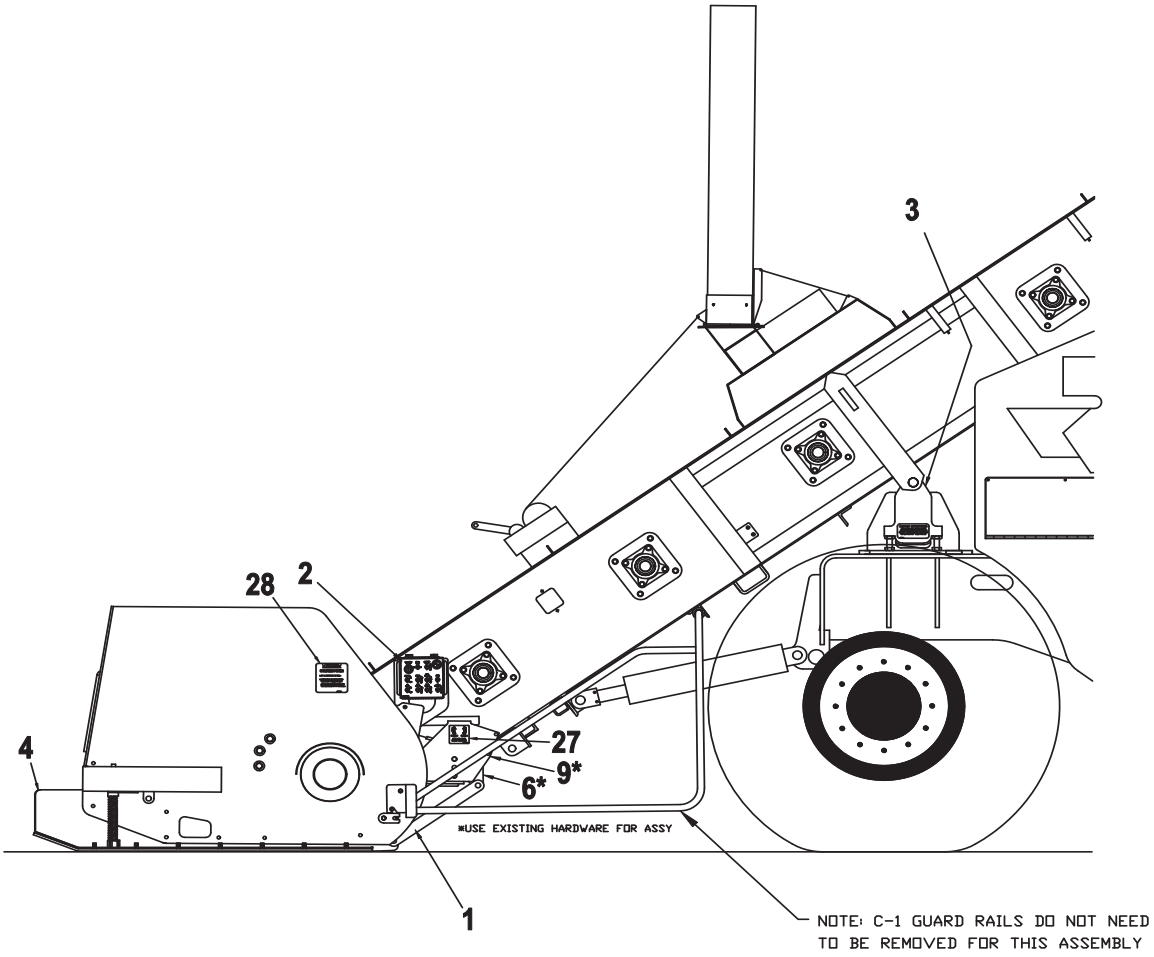


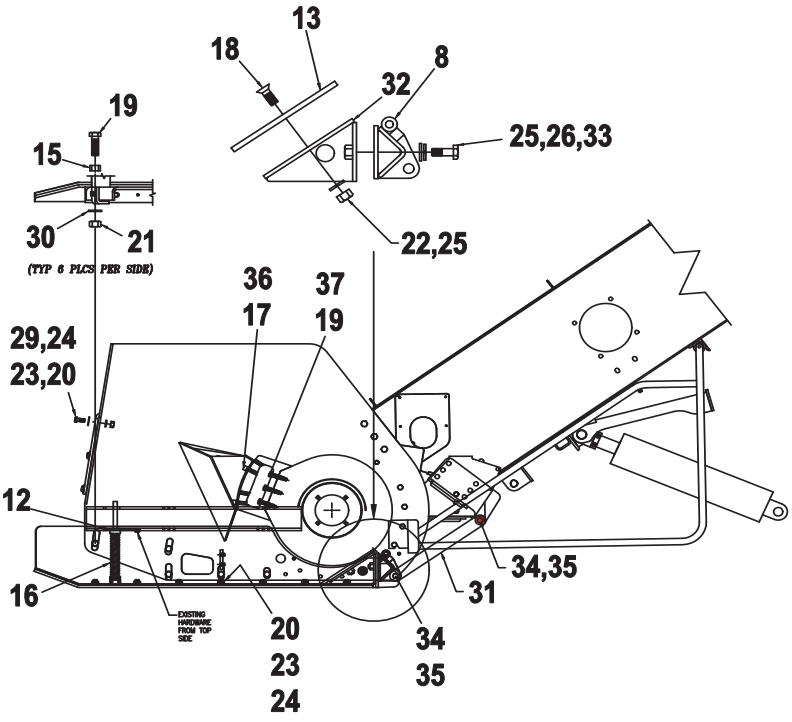
ASSEMBLY NOTE: USE EXISITING HARDWARE

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211337-01	STORAGE CABINET	1
2	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEY	2

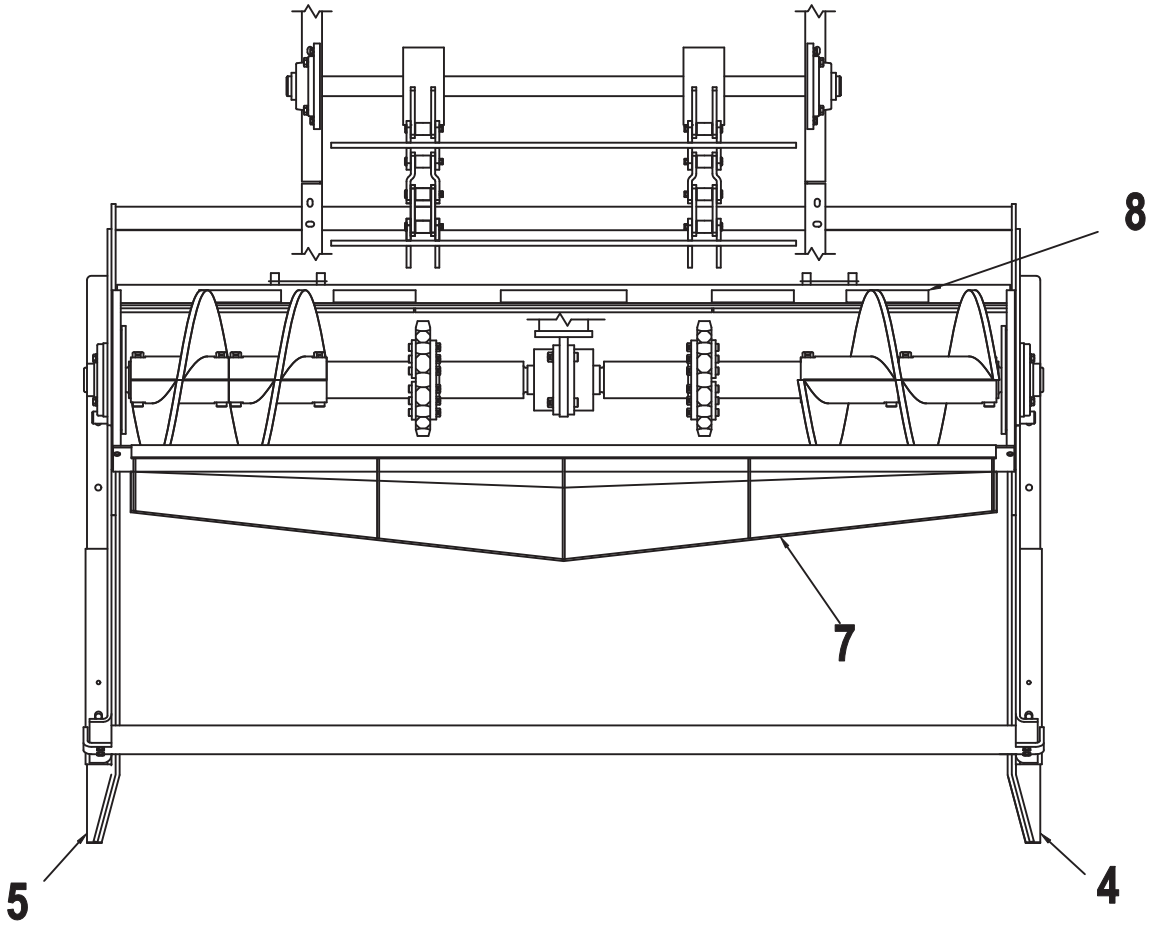
SB-2500C WINDROW OPTION ASSY.
(212471-01)

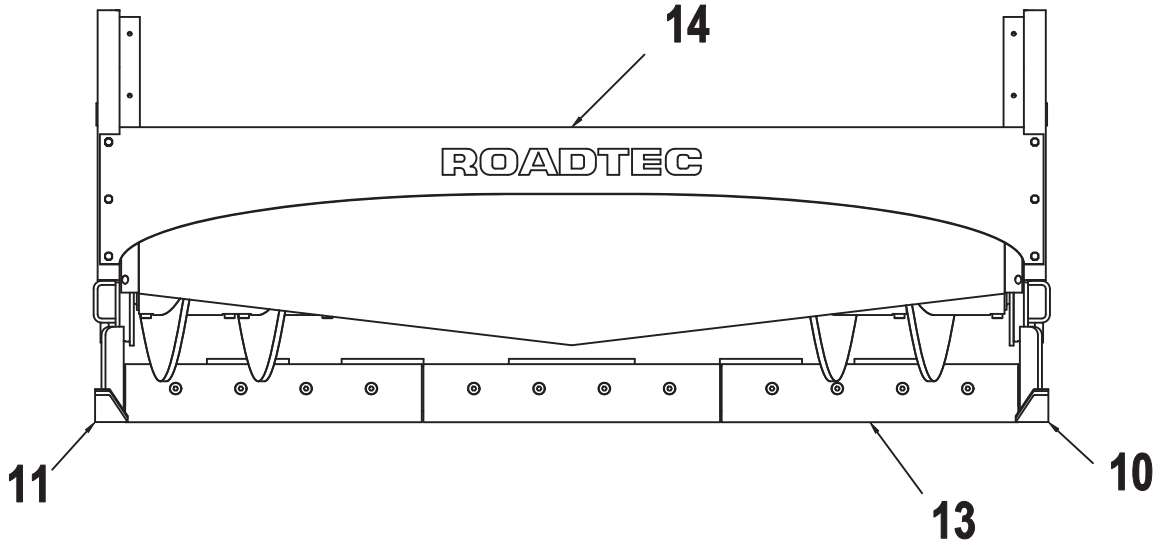
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SB-2500C WINDROW OPTION ASSY.
(212471-01)

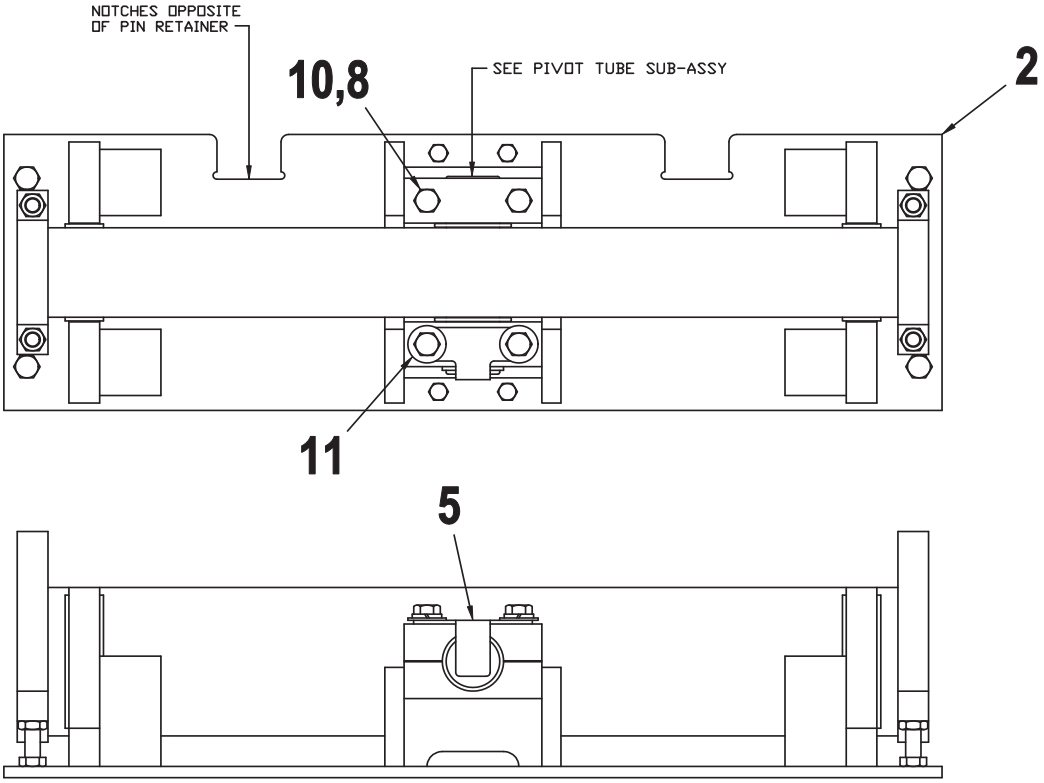


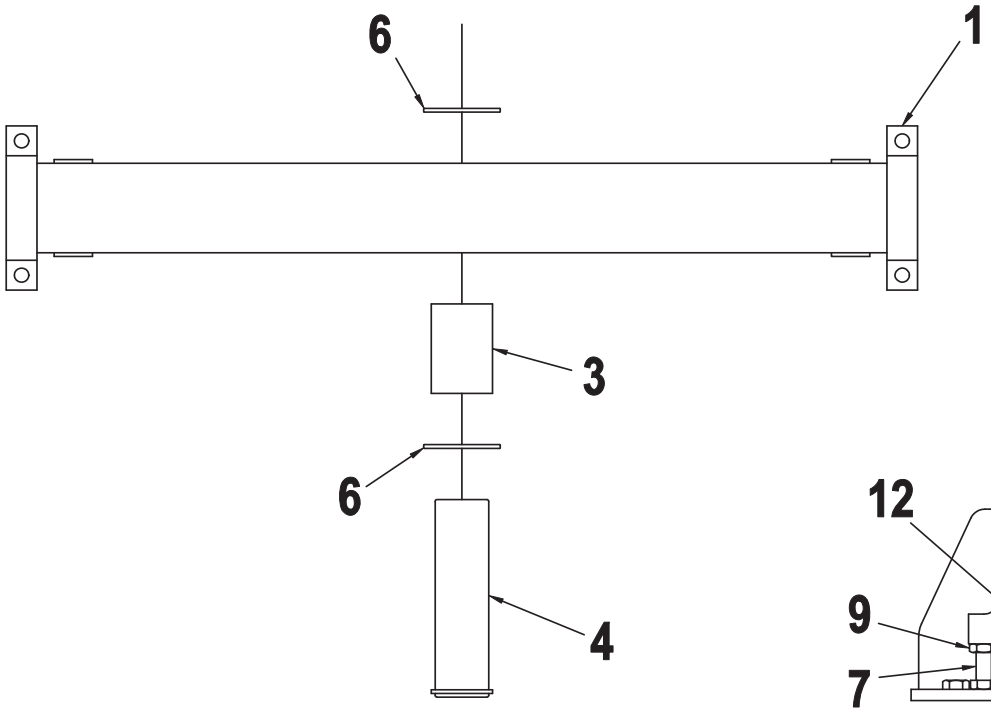


SB-2500C WINDROW OPTION ASSEMBLY
(212471-01)

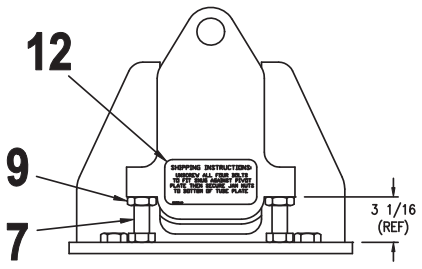
ITEM #	PART NO.	DESCRIPTION	QTY.
1	212043-01	WINDROW HYD. ASSY.	1
2	203236-01	WINDROW ELECTRICAL ASSY.	1
3	200855-01	WINDROW PIVOT SUB-ASSY.	1
4	202890-01	LH SKI WELMENT	1
5	202889-01	RH SKI WELDMENT	1
6	208032-03	CYLINDER MOUNT WELDMENT	2
7	202199-01	WINDROW PLOW WELDMENT	1
8	202200-01	SCRAPER MOUNT WELDMENT	1
9	202905-03	VALVE MOUNTING BRACKET	1
10	202909-03L	LH SKI SHOE WELDMENT	1
11	202909-03R	RH SKI SHOE WELDMENT	1
12	202907-04	PIN WELDMENT - SKI	2
13	209002-03	SCRAPER BLADE (45 DEG. INSTALLATION)	3
14	202896-03	SIDE SHEET STIFFENER PLATE	1
15	202911-04	SKI SPACER	12
16	98966-04	SPRING - 10D (1/4" COIL X 13 3/4" LG)	2
17	137265	SHCS SCREW - 5/8-11 X 2"	4
18	136637-04	CSK BOLT - 3/4-10 X 2"	12
19	96041	HEX BOLT - 5/8-11 X 2" GR8	18
20	83288	HEX NUT - 1/2-13 GR8	20
21	92247	LOCK HEX NUT - 5/8-11 GR8	18
22	84071-04	HEX NUT - 3/4-10 GR8	12
23	83317	LOCK WASHER - 1/2" SPRING STEEL	20
24	83781-04	FLAT WASHER - 1/2" STEEL	20
25	83752-04	LOCK WASHER - 3/4" SPRING STEEL	24
26	83133	FLAT WASHER - 3/4" STEEL	12
27	202958-03	DECAL - PICK-UP HEAD DOWN PRESS	1
28	202957-03	DECAL - WINDROW OPERATION	2
29	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	6
30	85147	WASHER - 5/8	12
31	209063-03	SCRAPER BLADE MOUNT BRACE WELDMENT	2
32	209061-01	45 DEG. SCRAPER BLADE MOUNT WELDMENT	1
33	93071	HEX BOLT - 3/4-10 X 2" GR8	12
34	14S13	HEX BOLT - 1-8 X 3 1/2" GR8	4
35	83378-04	LOCKNUT - 1-8 NYLON	4
36	212434-01	WINDROW PLOW SUPPORT	2
37	84717	LOCK WASHER - 5/8" SPRING STEEL	6

WINDROW PIVOT ASSY.
(200855-01)





PIVOT TUBE SUB-ASSEMBLY

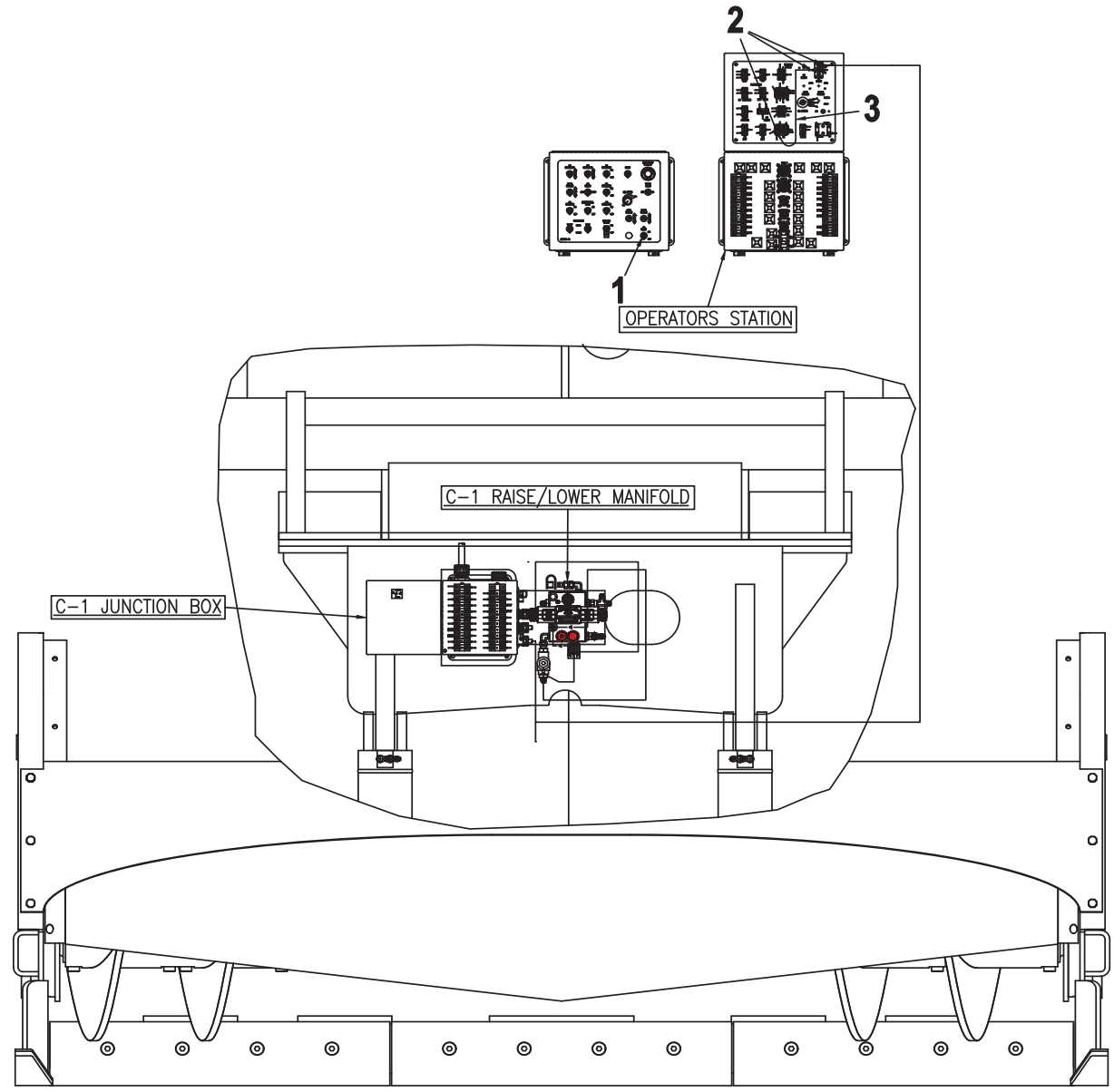


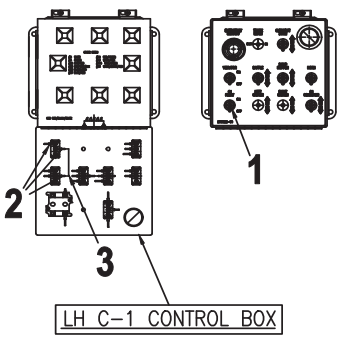
PIVOT TUBE IN LOCKED POSITION

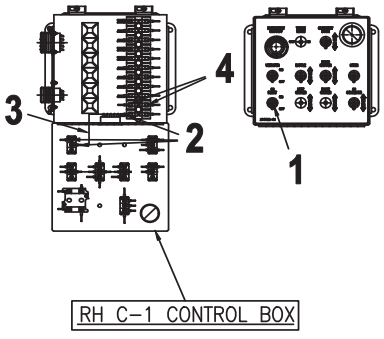
WINDROW PIVOT ASSY.
(200855-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	200852-01	WINDROW PIVOT TUBE WELMENT & MACH.	1
2	200853-01	SWIVEL C-1 PIVOT WELDMENT & MACH.	1
3	200682	BUSHING - GARMAX 3.5 ID X 4 OD X 6" LG	1
4	200854-03	SWIVEL PIVOT PIN WELDMENT & MACH.	1
5	147427-03	PIVOT PIN RETAINER	1
6	120891-04	SPACER - 3.5 ID BRONZE	2
7	96511	FULL THREAD HEX BOLT - 1-8 X 4 1/2" GR8	4
8	99359	HEX BOLT - 1-8 X 5" GR8	4
9	88445-04	JAM NUT - 1-8 GR8	4
10	83427	LOCK WASHER - 1" SPRING STEEL	4
11	83376-04	FLAT WASHER - 1" STEEL	2
12	200932-03	DECAL - WINDROW SHIPPING	2

WINDROW ELECTRICAL ASSY.
(203236-01)





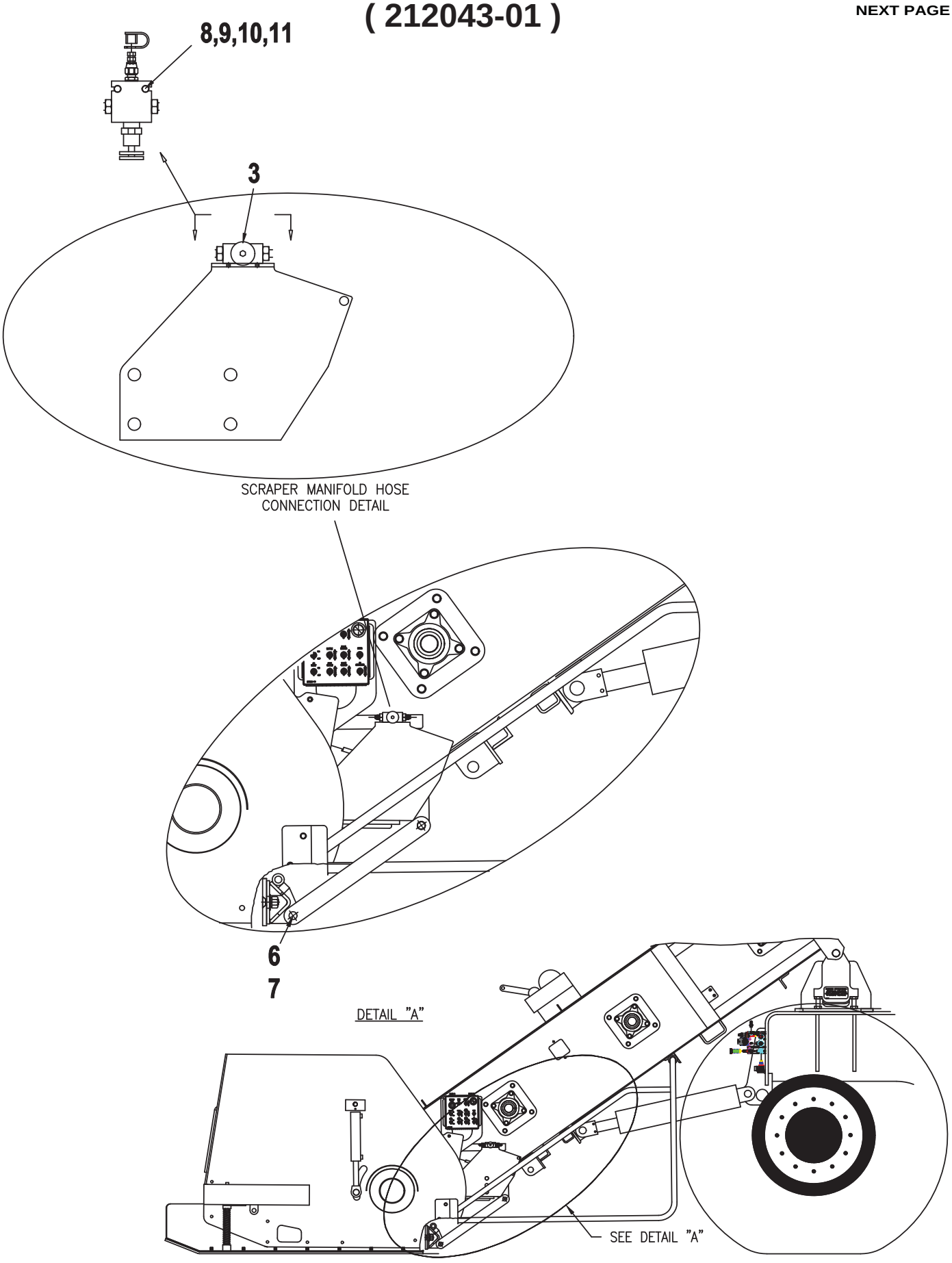


WINDROW ELECTRICAL ASSY.
(203236-01)

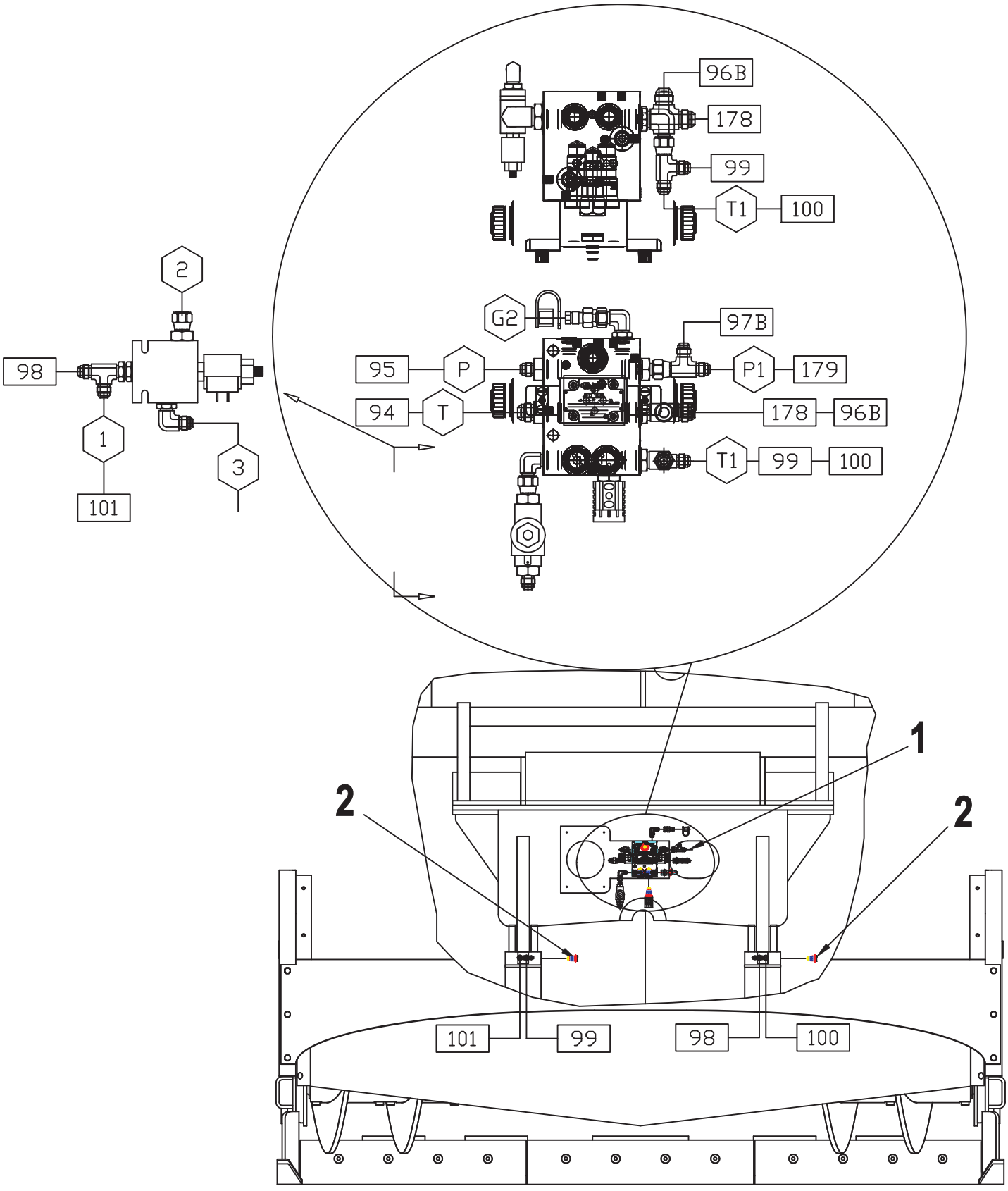
ITEM #	PART NO.	DESCRIPTION	QTY.
1	13E68	TOGGLE SWITCH - SP ST ON / OFF	3
2	93253	WIRE - TERMINAL RING 16 GA. (# 10)	9
3	84316-04	WIRE - 16-2 ALPHA 4" LG	3
4	28Y52	ELEC. - TERMINAL FEMALE NON-INSUL. .250	2

WINDROW HYDRAULIC ASSY.
(212043-01)

NEXT PAGE



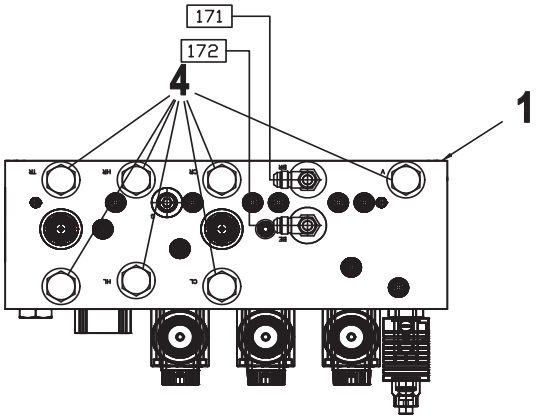
WINDROW HYDRAULIC ASSY.
(212043-01)

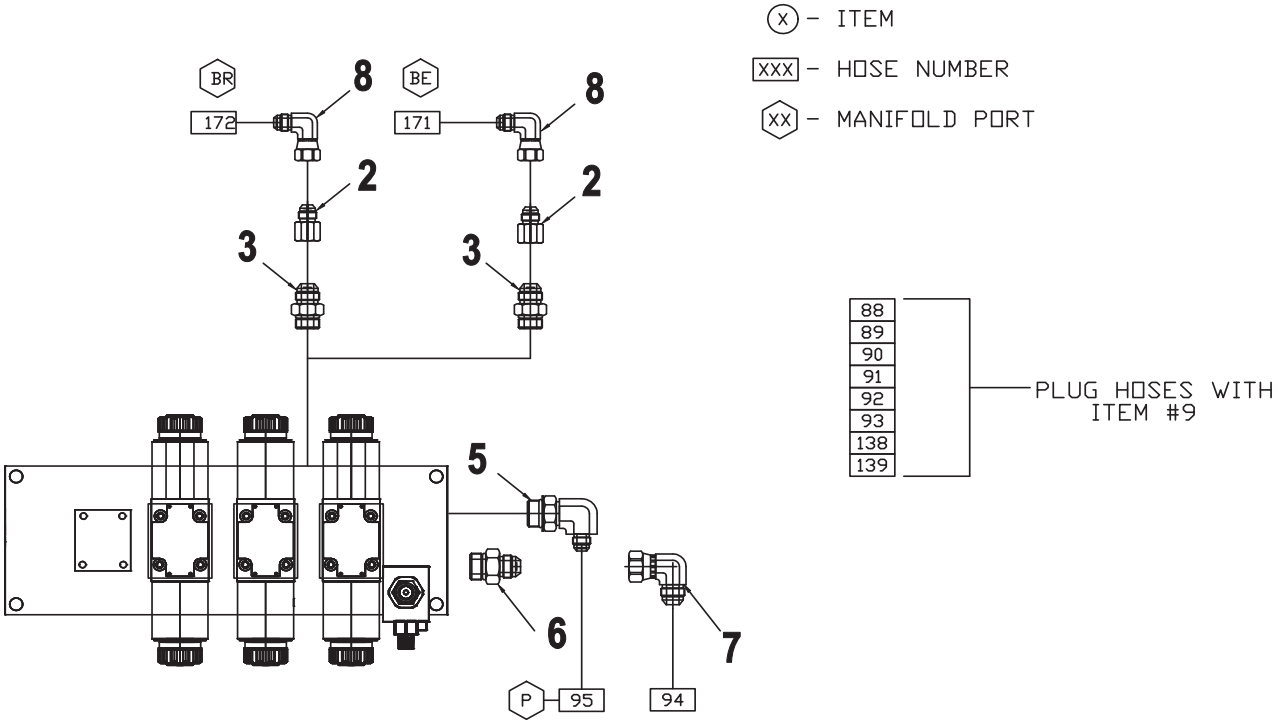


WINDROW HYDRAULIC ASSY.
(212043-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	212045-03	ASSY. - C-1 RAISE / LOWER MANIFOLD MOD.	1
2	123357	FIT - SUN HYDRAULICS CAVITY PLUG	2
3	212044-04	PRESS. REDUCING VALVE (WINDROW HYD.)	1
4	84426-04	FIT - ELBOW 90 DEG. - 8 SAE X 6 JIC - MALE	4
5			
6	148083-03	PIN WELDMENT - PUSH ROLLER CYLINDER	4
7	86127-04	HEX BOLT - 3/8-16 X 3/4" LG	4
8	83954-04	HEX BOLT - 1/4-20 UNC X 2" LG	2
9	83065	LOCK WASHER - 1/4" SPRING STEEL	2
10	83056	LOCK WASHER - 3/8" SPRING STEEL	4
11	84444	FLAT WASHER - 1/4" STEEL	2
12	121546	HOSE - 3/8-120" 6X6 ST - 6X6 90 DEG.	1
13	212046-02	WINDROW C-1 HOPPER CONTROLS MANIFOLD SUB.-ASSY.	1

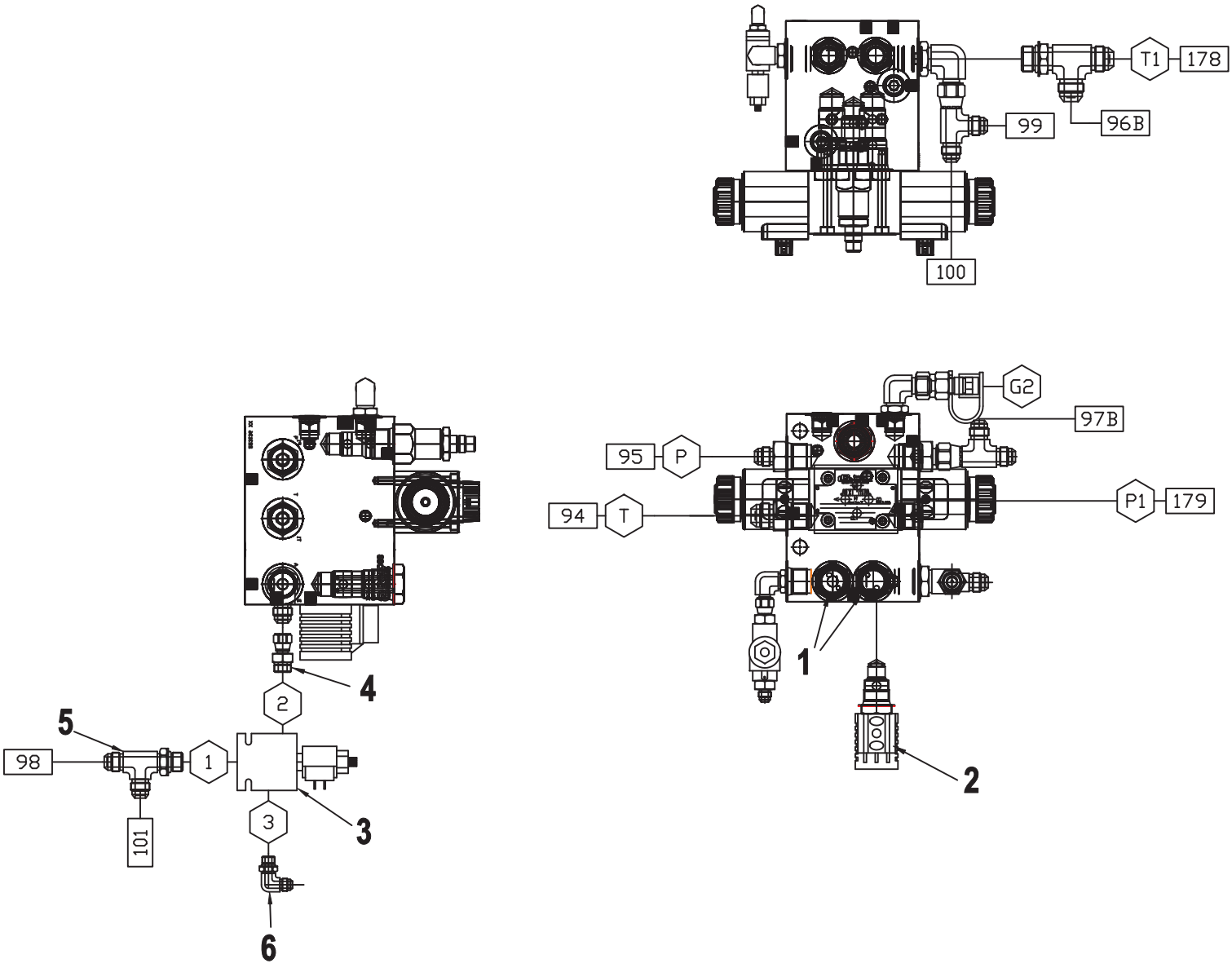
WINDROW C-1 HOPPER CONTROLS MANIFOLD ASSY.
(212046-02)





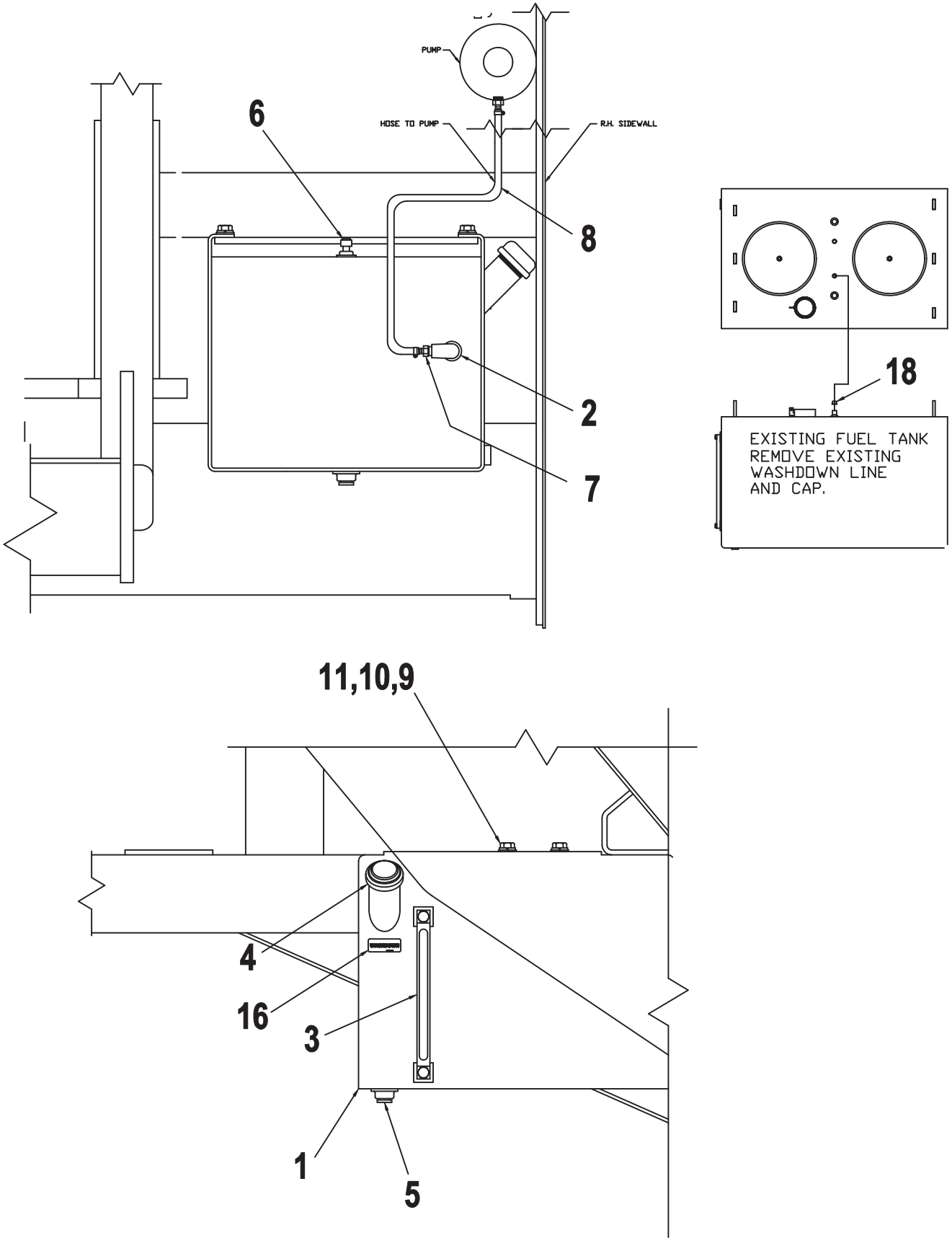
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146254-03	VALVE - C-1 HOPPER CONTROL MANIFOLD	1
2	135775-04	FIT - RESISTOR 6 JIC X 1/16 ORIFICE	2
3	83469-04	CONNECTOR - 6 JIC X 8 SAE MALE	2
4	83767-04	FIT - PLUG 8 SAE	2
5	92987	FIT - 6 JIC X 10 SAE 90 DEG.	1
6	83704-04	CONNECTOR - 8 JIC - 10 SAE MALE	1
7	83732-04	FIT - ELBOW 8 JIC M X 8 F 90 DEG. SW STL	1
8	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	2
9	85392-04	FIT - 6 JIC PLUG	8

WINDROW C-1 RAISE/LOWER MANIFOLD ASSY.
(212045-03)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	143972-C32	VALVE - CARTRIDGE PO CHECK	2
2	143972-C33	VALVE - CARTRIDGE SOLENOID N/C SPOOL	1
3	203093-04	VALVE - SOLENOID 2 POS - 3 WAY	1
4	135923-04	FIT - 6 SAE MALE - 6 JIC FEM. SW STR.	1
5	91665-04	FIT - RUN TEE 6 JIC M - 6 SAE M	1
6	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	1

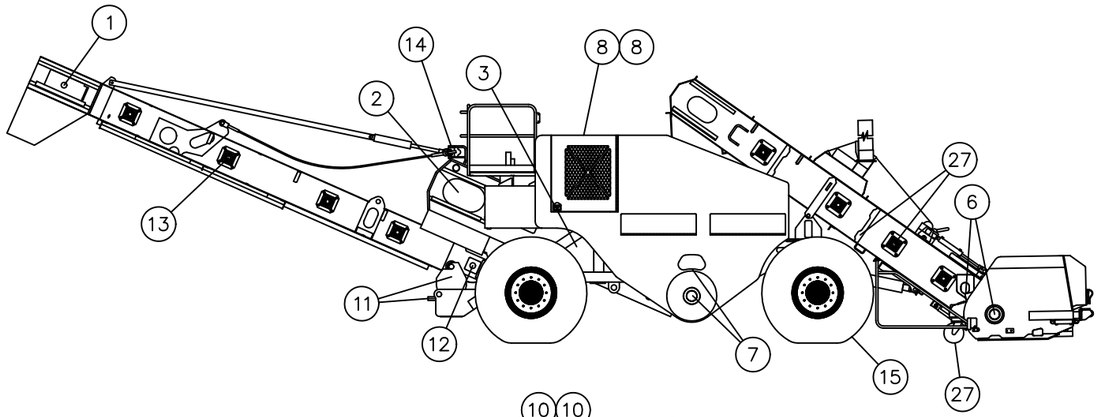
ENVIRONMENTAL WASHDOWN ASSY.
(217955-01)

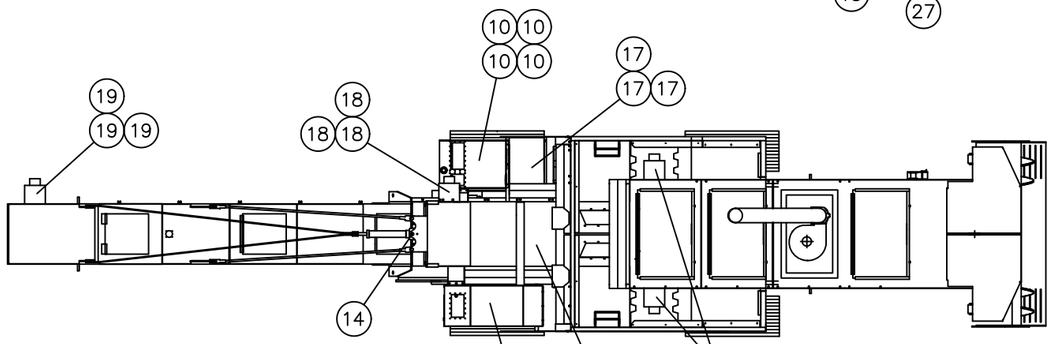


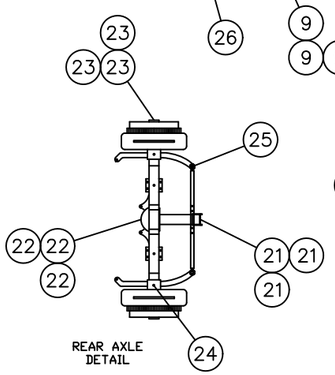
ENVIRONMENTAL WASHDOWN ASSEMBLY
(217955-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	200184-01	WASHDOWN TANK WELDMENT	1
2	123754	REDUCER - 3/4" NPT X 3/8" NPT FM 90 DEG.	1
3	97412-04	GAUGE - 12" LIQUID LEVEL CHANNEL	1
4	90332	PLUMB - 2" NPT PIPE CAP	1
5	142610-04	PIPE PLUG - 1" NPT HEX HD PLUG	1
6	27X25	VALVE - TANK VENT (15-20 PSI)	1
7	80187	HOSE BARB - 3/8" NPT X 3/8" BARB	1
8	80132-04	HOSE - 3/8" FUEL / WATER	16"
9	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	4
10	83317	LOCK WASHER - 1/2" SPRING STEEL	4
11	83781-04	FLAT WASHER - 1/2" STEEL	4
12	121539	ELECTRICAL - # 10 YELLOW MALE CONN.	1
13	121538	ELECTRICAL - # 10 YELLOW FEMALE CONN.	1
14	90554	WIRE - # 10 RING TERMINAL	3
15	98059-04	HEAVY DUTY TERMINAL	1
16	99535-04	DECAL - WASHDOWN	1
17	211719-04	TEC-SHIELD - 5 GAL	.25
18	96650	PLUMB - PIPE CAP 1/2" NPT	1

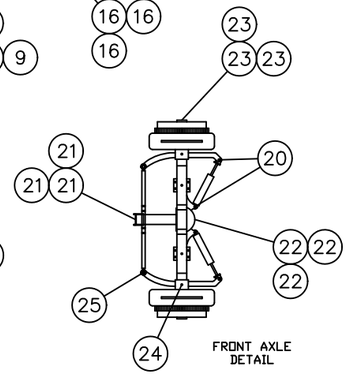
SB-2500D LUBRICATION CHART (ENGLISH)







REAR AXLE DETAIL



FRONT AXLE DETAIL

216899-01

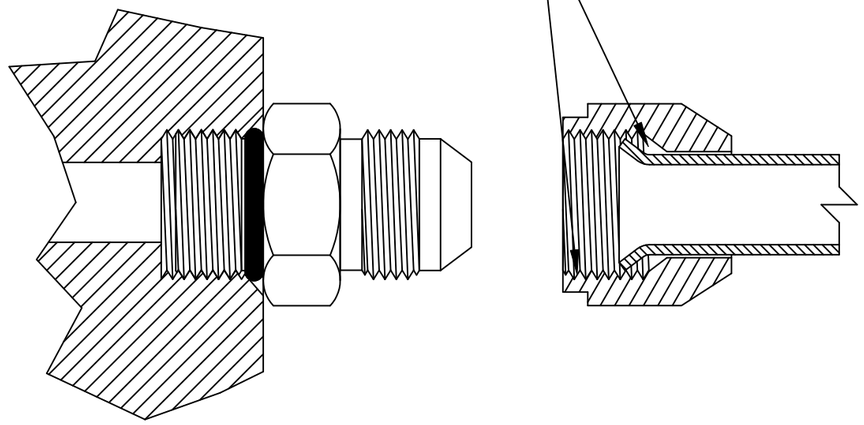
INTERVAL HOURS	REF NO	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
RED DAILY	1	C-3 HEADSHAFT	2	HTG	8 SHOTS (WHILE HOT)
	2	C-2 HEADSHAFT	1	HTG	8 SHOTS (WHILE HOT)
	3	C-2 IDLERS	4	HTG	5 SHOTS (WHILE HOT)
	6	C-1 TAILSHAFT	4	HTG	8 SHOTS (WHILE HOT)
	7	C-2 TAILSHAFT	4	HTG	8 SHOTS (WHILE HOT)
	8	RADIATOR COOLANT	1	50/50 ANTIFREEZE	CHECK LEVEL
	9	ENGINE CRANKCASE COMPONENTS	N/A	VARIOUS	REFER TO ENGINE MANUAL
	9	ENGINE OIL	1	EO	CHECK LEVEL
	10	HYDRAULIC TANK	1	HO	CHECK LEVEL
	11	C-3 PIVOT	4	HTG	5 SHOTS
	12	C-3 TAILSHAFT	2	HTG	8 SHOTS (WHILE HOT)
	13	C-3 IDLER BEARINGS	8	HTG	5 SHOTS (WHILE HOT)
	27	C-1 IDLER BEARINGS	8	HTG	5 SHOTS (WHILE HOT)
YELLOW 50 HOURS	9	ENGINE AIR FILTER	2	N/A	CHECK AND CLEAN
	9	ENGINE OIL AND FILTER	1 EA	EO	CHANGE AT FIRST 50 HRS THEN EVERY 250 HRS
	9	ENGINE FUEL FILTER	2	N/A	CHANGE AT FIRST 50 HRS THEN EVERY 250 HRS
	10	HYDRAULIC FILTERS	6	N/A	REPLACE ELEMENTS FIRST 50 HOURS THEN EVERY 250 HOURS
	14	C-3 LIFT PIVOT	1	HTG	5 SHOTS
	15	TIRES	4	75 p.s.i.	CHECK
	16	C-1 PLANETARY	2	GO	CHECK LEVEL
	17	PUMP DRIVE GEARBOX	1	GO	CHECK LEVEL
	18	C-2 PLANETARY DRIVE	1	GO	CHECK LEVEL
	19	C-3 PLANETARY DRIVE	1	GO	CHECK LEVEL
	20	FRONT AXLE STEERING CYLINDER	4	HTG	3 SHOTS
	21	FRONT & REAR AXLE 2-SPEED	2	GO	CHECK LEVEL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	GO*	CHECK LEVEL
	23	FRONT & REAR AXLE WHEEL HUB	4	GO*	CHECK LEVEL
	24	FRONT & REAR AXLE KINGPIN	8	HTG	2 SHOTS
	25	FRONT & REAR AXLE TIE RODS	4	HTG	2 SHOTS
	27	C-1 CASTERS	4	HTG	2 SHOTS

INTERVAL HOURS	REF NO	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
GREEN 250 HOURS	9	ENGINE AIR FILTER	2	N/A	CHECK AND REPLACE IF NECESSARY
	9	ENGINE OIL AND FILTER	1 EA	EO	CHANGE
	9	ENGINE FUEL FILTER	2	N/A	CHANGE
	10	HYDRAULIC FILTERS	7	HO	REPLACE 2 ELEMENTS PER CANNISTER PLUS HIGH PRESSURE FILTER
	10	HYDRAULIC TANK	1	HO	DRAIN ACCUMULATED WATER & REFILL
	10	HYDRAULIC TANK BREATHER FILTER	1	N/A	CHECK & REPLACE IF NECESSARY
	16	C-1 PLANETARY DRIVE	2	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	17	PUMP DRIVE GEARBOX	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	18	C-2 PLANETARY DRIVE	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	19	C-3 PLANETARY DRIVE	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	21	FRONT & REAR AXLE 2-SPEED	2	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	22	FRONT & REAR AXLE DIFFERENTIAL	2	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	23	FRONT & REAR AXLE WHEEL HUBS	4	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	26	FUEL TANK	1	N/A	DRAIN ACCUMULATED WATER & REFILL
BLUE 1000 HOURS	8	RADIATOR	1	50/50 ANTIFREEZE	DRAIN-CLEAN-REFILL
	10	HYDRAULIC TANK	1	HO	DRAIN & FLUSH OIL-CHANGE ALL FILTERS-CLEAN ALL BREATHERS
	16	C-1 PLANETARY DRIVE	2	GO	DRAIN-FLUSH-REFILL
	17	PUMP DRIVE GEARBOX	1	GO	DRAIN-FLUSH-REFILL
	18	C-2 PLANETARY DRIVE	1	GO	DRAIN-FLUSH-REFILL
	19	C-3 PLANETARY DRIVE	1	GO	DRAIN-FLUSH-REFILL
	21	FRONT & REAR AXLE 2-SPEED	2	GO	DRAIN-FLUSH-REFILL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	GO*	DRAIN-FLUSH-REFILL
	23	FRONT & REAR AXLE WHEEL HUBS	4	GO*	DRAIN-FLUSH-REFILL

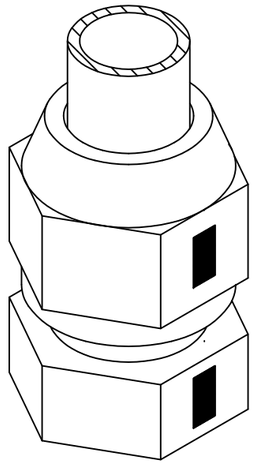
EO - ENGINE OIL-SAE 15W40-VALVOLINE PREMIUM BLUE, ALL-FLEET PLUS OR EQUIVALENT
HTG - HIGH TEMPERATURE GREASE-NGLI GRADE2-VALVOLINE CERULEAN, PALLADIUM, OR EQUIVALENT
HO - HYDRAULIC OIL-ISO VIS. GRADE 46-VALVOLINE ANTI-WEAR HYDRAULIC OIL OR EQUIVALENT
GO - GEAR OIL-EP-90 VALVOLINE HIGH PERFORMANCE GEAR OIL OR EQUIVALENT
(*FOR AXLES, USE MIL-L 2105C 85W140 OR EQUIVALENT)

Valvoline

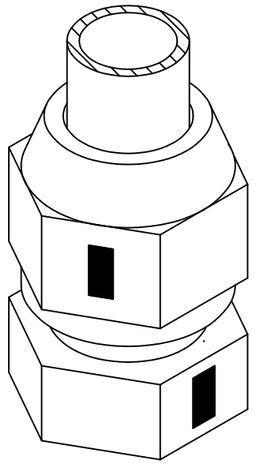
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



EXAMPLE - #8 JIC HOSE END



SNUG JOINT WITH FLATS MARKED



TIGHT JOINT WITH 1 FLAT FROM FINGER TIGHT

JIC FITTING INSTALLATION

USING FLATS FROM FINGER TIGHT (F.F.F.T.) METHOD

1) LUBRICATE THE THREADS AND BACKSIDE OF JIC FLARE IN FEMALE SWIVEL NUT. USE PENETRATING OIL, WD-40, OR EQUIVALENT.

2) ASSEMBLE NUT TO MALE JIC FITTING. HAND TIGHTEN TO SNUG CONNECTION. ANGULAR FEMALE SURFACE MUST BE SEATED OR IN LIGHT CONTACT W/MALE 37° SURFACE. ON LARGE FITTINGS, IT MAY BE NECESSARY TO USE A WRENCH TO PULL NUT AND SEATS INTO THIS INITIAL REFERENCE POSITION.

3) MAKE A MARK ON ONE FLAT OF NUT HEX AND CONTINUE IT ONTO THE BODY HEX. (WITH EXPERIENCE, IT MAY NOT BE NECESSARY TO MARK THE FITTINGS. RATHER, VISUAL ALIGN THE FLATS AND TIGHTEN AS PER STEP 5.)

4) WHEN NECESSARY, USE A SECOND WRENCH TO PREVENT UNWANTED ROTATION OF FITTING BODY, HOSE CONNECTOR STEM, ETC.

5) TIGHTEN THE JOINT BY THE NUMBER OF FLATS SHOWN IN THE TABLE BELOW.

SAE DASH SIZE	ASSEMBLY TORQUE (FT LB)	TUBE CONNECTION F.F.F.T.	SWIVEL NUT OR HOSE END F.F.F.T.
-4	12	2	2
-6	21	1-1/2	1-1/4
-8	45	1-1/2	1
-10	60	1-1/2	1
-12	85	1-1/4	1
-16	120	1	1
-20	170	1	1
-24	200	1	1
-32	270	1	1

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

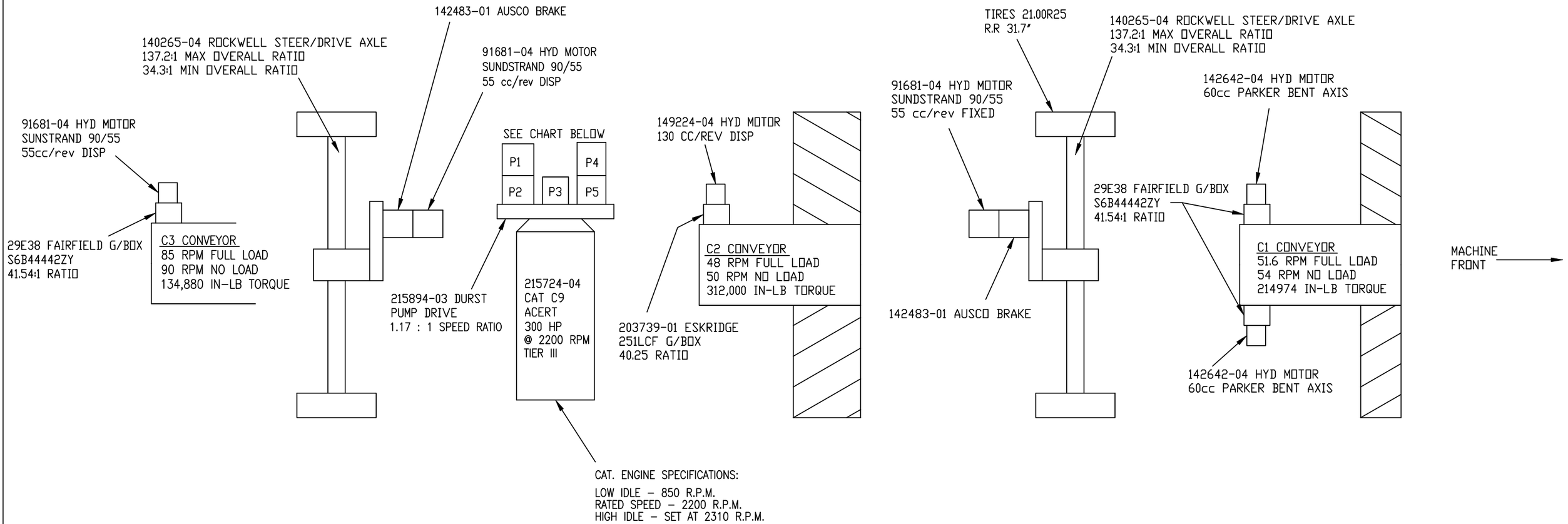
PART NAME: INSTRUCTIONS - JIC FITTING ASSEMBLY

REQ'D PER | SHEET NO: 1 of 1 | FAB CODE | EFFECTIVE S/N: 000

DRAWN BY: DLS | CHECKED BY | DWG NO: 134914-02 | REV.: 0

SCALE: NONE | DATE: 5/19/97

ALL PUMP AND GEARBOX SPEEDS ARE WHEN ENGINE IS AT FULL LOAD



PUMP CHART

PUMP	PART No	DESCRIPTION	TYPE	SYSTEM RELIEF	CHARGE RELIEF
P1	29J94	C3 CONVEYOR	SAUER 90/75	5700 PSI	350 PSI
P2	99814	C2 CONVEYOR	SAUER 90/100	5700 PSI	350 PSI
P3	211743-04	AUXILLIARY	SAUER-DANFOSS	2800 PSI	N/A
P4	29J94	TRANSMISSION	SAUER 90/75	6500 PSI	350 PSI
P5	99814	C1 CONVEYOR	SAUER 90/100	5700 PSI	350 PSI

TRAVEL SPEED	
LOW (137.2:1 OVERALL RATIO)	HIGH (34.3:1 OVERALL RATIO)
208 FT/MIN	9.5 MPH (834 FPM)

△	I	E	T	N	PF	FC	M	MC	A			

REPLACES DWG. # 207978-01 E.C.# 1422

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SB-2500D SPEED CHART

01 REQ'D PER 2500D | SHEET NO 1 of 1 | FAB CODE | EFFECTIVE S/N 848

DRAWN BY JJ | CHECKED BY | SCALE 1 | DATE 05/11/06 | DWG NO 216928-01 | REV. 0

Hose Type Codes

code	model	description
VAC	Parker 811 for sizes 20-32 / 881 for sizes 12 & 16….all w/43 series fittings	suction
LP	Parker 421	low pressure
STD	Parker 471TC for #4, #6 and #8 hose	medium pressure
	Parker 451TC for #12 and #16	medium pressure
HP	Parker 782TC	high pressure (5000 psi)
HP731	Parker 731-12 (Drawing must be made for these hoses)	high pressure (6000 psi)
SLEEVE	Partek "PS" series	ISO 6945 protective nylon

All sizes are 5000 psi MWP
Size 12 MWP is 6000, 16 is 5500 & 20 is 4700

PARKER KIT #223112 (REV A) BEGINNING SN 954

MASTER LIST BY HOSE NUMBER

HOSE #	CIRCUIT	ROADTEC PN	PARKER PN	FUNCTION	CIRCUIT #	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN
1	BRAKES / FLOWGATES	130820S	P471TC0641060606F0	BRAKE	2	0.375	STD	41	6x6 ST	6x6 LN 90	147462-04
2	BRAKES / FLOWGATES	146021S	P471TC0639060606F0	BRAKE	2	0.375	STD	41	6x6 ST	6x6 90	147462-04
3	BRAKES / FLOWGATES	146021S	P471TC0639060606F0	BRAKE	2	0.375	STD	41	6x6 ST	6x6 90	147462-04
4	BRAKES / FLOWGATES	210277S	P471TC0606060606F0	BRAKE	2	0.375	STD	41	6x6 ST	6x6 ST	147462-04
5	BRAKES / FLOWGATES	146028S	P471TC0639060606F0	BRAKE	2	0.375	STD	78	6x6 ST	6x6 90	147462-04
6	BRAKES / FLOWGATES	129768S	F471TC0639060604XS	BRAKE	2	0.25	STD	102	4x6 ST	4x6 90	206126-04
7	BRAKE/2-SP/DIFF/C-2 COD/HOOD	130186S	F471TC0639060604XS	HOOD RAISE*HLD BLK	4	0.25	STD	128	4x6 ST	4x6 90	206126-04
8	BRAKE/2-SP/DIFF/C-2 COD/HOOD	204543S	F471TC0641060604XS	HOOD RAISE*SUMP	4	0.25	STD	128	4x6 ST	4x6 LN 90	206126-04
9	HOOD	120967S	F471TC0606060604JX	HOOD LOWER*TANK	4	0.25	STD	120	4x6 ST	4x6 ST	206126-05
12	BRAKES / FLOWGATES	134973S	P471TC0639060606F0	BRAKE	2	0.375	STD	112	6x6 ST	6x6 90	147462-04
13	BRAKES / FLOWGATES	93274-04S	P471TC0639060606F0	BRAKE	2	0.375	STD	22	6x6 ST	6x6 90	147462-04
14	BRAKES / FLOWGATES	135627S	P471TC0639060606F0	BRAKE	2	0.375	STD	25	6x6 ST	6x6 90	147462-04
15	C-3 DRIVE	145996S	F782TC0606161616XS	C3*DRIVE*A	9	1	HP	118	16x16 ST	16x16 ST	206128-04
16	C-3 DRIVE	145995S	F782TC0606161616XS	C3*DRIVE*B	9	1	HP	110	16x16 ST	16x16 ST	206128-04
17	C-3 DRIVE	145994	F782TC0606161616JX	C3*DRIVE*MTR	9	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE
18	C-3 DRIVE	145994	F782TC0606161616JX	C3*DRIVE*MTR	9	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE
23	C3 AUX. / C3 CLEANOUT DOOR	134031S	P471TC0639080808F0	AUXILIARY	3	0.5	STD	41	8x8 ST	8x8 90	145052-04
24	C3 AUX. / C3 CLEANOUT DOOR	93293-04S	P471TC0639060606F0	AUXILIARY	3	0.375	STD	35	6x6 ST	6x6 90	147462-04
25	C3 AUX. / C3 CLEANOUT DOOR	99631S	F471TC0639060604XS	C3*SWING	3	0.25	STD	108	4x6 ST	4x6 90	206126-04
26	C3 AUX. / C3 CLEANOUT DOOR	99631S	F471TC0639060604XS	C3*SWING	3	0.25	STD	108	4x6 ST	4x6 90	206126-04
27	C3 AUX. / C3 CLEANOUT DOOR	130199S	F471TC0639060604XS	C3*LIFT	3	0.25	STD	160	4x6 ST	4x6 90	206126-04
28	C3 AUX. / C3 CLEANOUT DOOR	130199S	F471TC0639060604XS	C3*LIFT	3	0.25	STD	160	4x6 ST	4x6 90	206126-04
32	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S	F471TC0639060604XS	R*2SPD*HIGH	4	0.25	STD	87	4x6 ST	4x6 90	206126-04
33	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S	F471TC0639060604XS	R*2SPD*LOW	4	0.25	STD	87	4x6 ST	4x6 90	206126-04
35	TRACTION DRIVE	146331-04	F731**0606121212JX	D*LOCK	7	0.75	HP731	48	12x12 ST	12x12 ST	NO SLEEVE
36	TRACTION DRIVE	146338-04S	F731**0639121212XS	R*DRIVE*A	7	0.75	HP731	105	12x12 ST	12x12 90	206127-04
37	TRACTION DRIVE	221856-04S	F731**0606161616LL	PMP*DRIVE*B	7	1	HP731	55	16x16 ST	16x16 ST	206128-04
39	ENGINE	134530S	F881**0639161616XS	DRIVE*SUC	1	1	VAC	62	16x16 ST	16x16 90	206128-04
41	TRACTION DRIVE	121351S	P451TC0639121212F0	R*DRIVE*CD	7	0.75	STD	100	12x12 ST	12x12 90	206127-04
42	BRAKE/2-SP/DIFF/C-2 COD/HOOD	129765S	P471TC0639060606F0	DRIVE*REG	4	0.375	STD	54	6x6 ST	6x6 90	147462-04
45	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99720S	P471TC0606060606F0	D*LOCK	4	0.375	STD	50	6x6 ST	6x6 ST	147462-04
46	BRAKE/2-SP/DIFF/C-2 COD/HOOD	123658S	P471TC0606060606F0	D*LOCK	4	0.375	STD	59	6x6 ST	6x6 ST	147462-04
47	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120747S	P471TC0639080808F0	AUXILIARY	4	0.5	STD	105	8x8 ST	8x8 90	145052-04
48	BRAKE/2-SP/DIFF/C-2 COD/HOOD	217144	P471TC0606060606A7	C2*COD	4	0.375	STD	65	6x6 ST	6x6 ST	147462-04
49	BRAKE/2-SP/DIFF/C-2 COD/HOOD	201298S	F471TC0606060606LL	C2*COD*RT	4	0.375	STD	98	6x6 ST	6x6 ST	147462-04
50	BRAKE/2-SP/DIFF/C-2 COD/HOOD	206308S	P471TC0606060606KP	C2*COD*PR	4	0.375	STD	87	6x6 ST	6x6 ST	147462-04
51	BRAKE/2-SP/DIFF/C-2 COD/HOOD	127076	P471TC0639060606A7	C2*COD	4	0.375	STD	57	6x6 ST	6x6 90	NO SLEEVE
52	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97801	P471TC0606060606A7	C2*COD*JUMP	4	0.375	STD	48	6x6 ST	6x6 ST	NO SLEEVE
53	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97800	P471TC0606060606A7	C2*COD*JUMP	4	0.375	STD	60	6x6 ST	6x6 ST	NO SLEEVE
54	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134497S	F471TC0606060606LL	C2*COD	4	0.375	STD	11	6x6 ST	6x6 90	147462-04
55	STEERING / C1 LIFT	137729S	P471TC0641060606F0	STEER*RT	5	0.375	STD	136	6x6 ST	6x6 LN 90	147462-04
56	STEERING / C1 LIFT	97803S	P471TC0639060606F0	STEER*PR	5	0.375	STD	126	6x6 ST	6x6 90	147462-04
58	STEERING / C1 LIFT	93312-04	P471TC0606060606A7	STEER*JUMP	5	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE
59	STEERING / C1 LIFT	93312-04	P471TC0606060606A7	STEER*JUMP	5	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE
60	C2 DRIVE / OIL COOLER	201712S	F421**0606202020XS	COOLER*OUT	8	1.25	LP	114	20x20 ST	20x20 ST	148915-04

HOSE #	CIRCUIT	ROADTEC PN	PARKER PN	FUNCTION	CIRCUIT #	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN
61	C2 DRIVE / OIL COOLER	217145S	F422**0606202020LL	COOLER*IN	8	1.25	LP	83	20x20 ST	20x20 ST	148915-04
62	FUME EXTRACTION	132285S	P451TC0639121212F0	AUXILIARY	11	0.75	STD	84	12x12 ST	12x12 90	206127-04
63	ENGINE	201249S	F811**0606242424XS	AUXILIARY	1	1.5	VAC	46	24x24 ST	24x24 ST	147464-04
64	ENGINE	93331S	P451TC0639121212F0	AUXILIARY	1	0.75	STD	54	12x12 ST	12x12 90	206127-04
65	ENGINE	141428S	P451TC0606121212KP	C1*PUMP*CD	1	0.75	STD	44	12x12 ST	12x12 ST	206127-04
66	ENGINE	201250S	F811**0639202020XS	C2*PUMP*SUC	1	1.25	VAC	41	20x20 ST	20x20 90	148915-04
67	ENGINE	132286S	P451TC0606121212KP	AUX*PUMP*CD	1	0.75	STD	28	12x12 ST	12x12 ST	206127-04
68	C2 DRIVE / OIL COOLER	120120S	P451TC0639121212F0	C2*MTR*CD	8	0.75	STD	76	12x12 ST	12x12 90	206127-04
69	C2 DRIVE / OIL COOLER	218600S	F782TC0606202020LL	C2*DRIVE*A	8	1.25	HP	78	20x20 ST	20x20 ST	206129-04
70	C2 DRIVE / OIL COOLER	218601S	F782TC0606202020LL	C2*DRIVE*B	8	1.25	HP	72	20x20 ST	20x20 ST	206129-04
71	C3 DRIVE	120187S	P451TC0606121212F0	C3*DRIVE*CD	9	0.75	STD	118	12x12 ST	12x12ST	206127-04
77	ENGINE	134047S	P451TC0639121212F0	C3*DRIVE*CD	1	0.75	STD	66	12x12 ST	12x12 90	206127-04
78	ENGINE	201255S	F881**0639161616XS	C3*DRIVE*SUC	1	1	VAC	51	16x16 ST	16x16 90	206128-04
79	C1 DRIVE	201256-04S	F731**0639121212XS	L*C1*DRIVE*A	6	0.75	HP731	65	12x12 ST	12x12 90	206127-04
80	C1 DRIVE	204588S	F731**0639121212XS	L*C1*DRIVE*B	6	0.75	HP731	26	12x12 ST	12x12 90	206127-04
81	C1 DRIVE	201257-04S	F731**0639121212XS	R*C1*DRIVE*A	6	0.75	HP731	99	12x12 ST	12x12 90	206127-04
82	C1 DRIVE	201258-04S	F731**0639121212XS	R*C1*DRIVE*B	6	0.75	HP731	110	12x12 ST	12x12 90	206127-04
83	ENGINE	93323-04S	P451TC0606121212F0	C2*DRIVE*CD	1	0.75	STD	43	12x12 ST	12x12 ST	206127-04
84	ENGINE	130654S	F811**0639202020XS	C1*DRIVE*SUC	1	1.25	VAC	74	20x20 ST	20x20 90	148915-04
85	C1 DRIVE	201275S	P451TC0606121212F0	L*C1*DRIVE*CD	6	0.75	STD	36	12x12 ST	12x12 ST	206127-04
86	C1 DRIVE	217148S	P451TC0639121212F0	R*C1*DRIVE*CD	6	0.75	STD	85	12x12 ST	12x12 90	206127-04
87	ENGINE	201297S	P471TC0639080808F0	DURST*DR	1	0.5	STD	82	8x8 ST	8x8 90	145052-04
88	C1 AUXILIARY	146032	F471TC0606060604LL	VIBRATOR	10	0.25	STD	144	4x6 ST	4x6 ST	206126-04
89	C1 AUXILIARY	208527	F417TC0637060604LL	VIBRATOR	10	0.25	STD	140	4x6 ST	4x6 45	206126-04
90	C1 AUXILIARY	201278S	F471TC0606060604JX	D*HOPPER	10	0.25	STD	134	4x6 ST	4x6 ST	206126-04
91	C1 AUXILIARY	148505S	F471TC0606060604JX	D*HOPPER	10	0.25	STD	128	4x6 ST	4x6 ST	206126-04
92	C1 AUXILIARY	145430	F471TC0606060604LL	D*HOPPER	10	0.25	STD	195	4x6 ST	4x6 ST	206126-04
93	C1 AUXILIARY	209681	F471TC0606060604LL	D*HOPPER	10	0.25	STD	206	4x6 ST	4x6 ST	206126-04
94	C1 AUXILIARY	99646S	P471TC0639080808A7	C1*AUX	10	0.5	STD	107	8x8 ST	8x8 90	145052-04
95	C1 AUXILIARY	99654S	P471TC0639060606A7	C1*AUX	10	0.375	STD	107	6x6 ST	6x6 90	147462-04
98	C1 AUXILIARY	99665	P471TC0639060606A7	C1*AUX	10	0.375	STD	26	6x6 ST	6x6 90	NO SLEEVE
99	C1 AUXILIARY	99666	P471TC0606060606A7	C1*AUX	10	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE
100	C1 AUXILIARY	120164	P471TC0639060606A7	C1*AUX	10	0.375	STD	23	6x6 ST	6x6 90	NO SLEEVE
101	C1 AUXILIARY	120826	P471TC0606060606A7	C1*AUX	10	0.375	STD	23	6x6 ST	6x6 ST	NO SLEEVE
106	C1 DRIVE	201286	P451TC0606121212A7	C1*MTR*CD	6	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE
107	C1 DRIVE	201286	P451TC0606121212A7	C1*MTR*CD	6	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE
108	C1 DRIVE	201287-04	F731**0606121212JX	C1*MTR	6	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
109	C1 DRIVE	201287-04	F731**0606121212JX	C1*MTR	6	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
110	C1 DRIVE	201287-04	F731**0606121212JX	C1*MTR	6	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
111	C1 DRIVE	201287-04	F731**0606121212JX	C1*MTR	6	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
112	ENGINE	120119S	P451TC0606121212KP	DRIVE*CD	1	0.75	STD	35	12x12 ST	12x12 ST	206127-04
113	ENGINE	141428S	P451TC0606121212KP	ENG*OIL*DR	1	0.75	STD	44	12x12 ST	12x12 ST	206127-04
117	C3 DRIVE	127788	P451TC0606121212A7	C3*MTR*CD	9	0.75	STD	274	12x12 ST	12x12 ST	NO SLEEVE
118	ENGINE	201289S	F881**0639161616XS	F*FXS*SUC	1	1	VAC	86	16x16 ST	16x16 90	206128-04
120	ENGINE	93621-04S	P471TC0639080808F0	F*FXS*PR	1	0.5	STD	48	8x8 ST	8x8 90	145052-04
122	C3 AUX. / C3 CLEANOUT DOOR	93294-04	F471TC0639060604JX	C3 SWING	3	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE
123	C3 AUX. / C3 CLEANOUT DOOR	93294-04	F471TC0639060604JX	C3 SWING	3	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE
124	FUME EXTRACTION	201290S	P471TC0606080808F0	FXS*AUX	11	0.5	STD	116	8x8 ST	8x8 ST	145052-04
129	FUME EXTRACTION	93413-04S	P451TC0639121212F0	FXS*AUX	11	0.75	STD	50	12x12 ST	12x12 90	206127-04
130	FUME EXTRACTION	201291S	P451TC0606121212A7	FXS*AUX	11	0.75	STD	115	12x12 ST	12x12 ST	206127-04
131	FUME EXTRACTION	130139S	P471TC0606080808A7	FXS*AUX	11	0.5	STD	110	8x8 ST	8x8 ST	145052-04
132	C3 AUX. / C3 CLEANOUT DOOR	128974	F471TC0639060604JX	C3*COD	3	0.25	STD	52	4x6 ST	4x6 90	NO SLEEVE
133	C3 AUX. / C3 CLEANOUT DOOR	122295	F471TC0639060604JX	C3*COD	3	0.25	STD	48	4x6 ST	4x6 90	NO SLEEVE
134	C3 AUX. / C3 CLEANOUT DOOR	130200S	F471TC0606060604XS	C3*COD	3	0.25	STD	102	4x6 ST	4x6 ST	206126-04
135	C3 AUX. / C3 CLEANOUT DOOR	130200S	F471TC0606060604XS	C3*COD	3	0.25	STD	102	4x6 ST	4x6 ST	206126-04
136	C3 AUX. / C3 CLEANOUT DOOR	201293S	P471TC0639080806F0	C3*COD	3	0.375	STD	35	6x8 ST	6x8 90	147462-04
137	C3 AUX. / C3 CLEANOUT DOOR	93293-04S	P471TC0639060606KP	C3*COD	3	0.375	STD	35	6x6 ST	6x6 90	147462-04
138	C1 AUXILIARY	131019S	F471TC0606060604JX	C1*COD	10	0.25	STD	64	4x6 ST	4x6 ST	206126-04
139	C1 AUXILIARY	97396S	F471TC0639060604JX	C1*COD	10	0.25	STD	66	4x6 ST	4x6 90	206126-04
140	BRAKE/2-SP/DIFF/C-2 COD/HOOD	146033S	F471TC0639040604XS	R*PARK*BRAKE	4	0.25	STD	96	4x4 ST	4x6 90	206126-04
141	BRAKES / FLOWGATES	130821S	F471TC0679060606JX	R*BRAKE	2	0.375	STD	60	6x6 ST	6x6 90 45 deg flare	206126-04
142	BRAKES / FLOWGATES	201292S	F471TC0679060606JX	R*BRAKE	2	0.375	STD	68	6x6 ST	6x6 90 45 deg flare	206126-04

HOSE #	CIRCUIT	ROADTEC PN	PARKER PN	FUNCTION	CIRCUIT #	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN
143	BRAKES / FLOWGATES	201294S	F471TC0679060606JX	F*BRAKE	2	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	206126-04
144	BRAKES / FLOWGATES	201294S	F471TC0679060606JX	F*BRAKE	2	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	206126-04
146	C1 DRIVE	201296-04	F731**0606121212JX	R*C1*DRIVE*PR	6	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
147	C1 DRIVE	201296-04	F731**0606121212JX	R*C1*DRIVE*RT	6	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
148	C1 DRIVE	201296-04	F731**0606121212JX	L*C1*DRIVE*PR	6	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
149	C1 DRIVE	201296-04	F731**0606121212JX	L*C1*DRIVE*RT	6	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
150	TRACTION DRIVE	201296-04	F731**0606121212JX	DRIVE*PR	7	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
151	TRACTION DRIVE	201296-04	F731**0606121212JX	DRIVE*RT	7	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
152	C1 DRIVE	125466	P451TC0606121212A7	R*C1*DRIVE*CD	6	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
153	TRACTION DRIVE	125466	P451TC0606121212A7	DRIVE*CD	7	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
154	C1 DRIVE	125466	P451TC0606121212A7	L*C1*DRIVE*CD	6	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
155	FUME EXTRACTION	125466	P451TC0606121212A7	FXS*RT	11	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
156	FUME EXTRACTION	93339-04	P471TC0606080808A7	FXS*PR	11	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE
157	C1 AUXILIARY	93339-04	P471TC0606080808A7	C1*AUX*RT	10	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE
158	STEERING / C1 LIFT	201298	P471TC0606060606A7	L*STEER	5	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
159	STEERING / C1 LIFT	201298	P471TC0606060606A7	R*STEER	5	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
160	C1 AUXILIARY	201298	P471TC0606060606A7	C1*AUX*PR	10	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
161	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	F471TC0606060604JX	2*SPD*H	4	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
162	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	F471TC0606060604JX	2*SPD*L	4	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
163	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	F471TC0606060604JX	FR*BRAKE	4	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
164	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	F471TC0606060604JX	FR*PARK*BRAKE	4	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
165	FUME EXTRACTION	141179-04	P471TC0639080808A7	FXS*PR	11	0.5	STD	20	8x8 ST	8x8 90	NO SLEEVE
170	FUME EXTRACTION	93331-04S	P451TC0639121212F0	AUXILIARY	11	0.75	STD	54	12x12 ST	12x12 90	206127-04
171	C1 AUXILIARY	130191S	F471TC0639060604JX	BAFFLE*OPEN	10	0.25	STD	72	4x6 ST	4x6 90	206126-04
172	C1 AUXILIARY	129837S	F471TC0639060604JX	BAFFLE*OPEN	10	0.25	STD	58	4x6 ST	4x6 90	206126-04
173	FUME EXTRACTION	148614S	P471TC0606060606A7	C1 FXS*CD	11	0.375	STD	110	6x6 ST	6x6 ST	206126-04
174	FUME EXTRACTION	201298	P471TC0606060606A7	FXS*CD*PANEL	11	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
175	FUME EXTRACTION	127111S	P471TC0606060606F0	FXS*BH*TANK	11	0.375	STD	130	6x6 ST	6x6 ST	147462-04
176	FUME EXTRACTION	97800S	P471TC0606060606F0	C2*FXS*TANK	11	0.375	STD	60	6x6 ST	6x6 ST	147462-04
178	C1 AUXILIARY	99660S	P471TC0639080808A7	PUSH ROLLER	10	0.5	STD	110	8x8 ST	8X8 90	NO SLEEVE
179	C1 AUXILIARY	121546S	P471TC0639060606A7	PUSH ROLLER	10	0.375	STD	120	6x6 ST	6x6 90	147462-04
180	C1 AUXILIARY	97859S	F471TC0606060604JX	PUSH ROLLER	10	0.25	STD	100	4x6 ST	4x6 ST	206126-04
181	C1 AUXILIARY	129836S	F471TC0606060604JX	PUSH ROLLER	10	0.25	STD	105	4x6 ST	4x6 ST	206126-04
182	C1 AUXILIARY	136270	F471TC0606060604LL	PUSH ROLLER	10	0.25	STD	184	4x6 ST	4x6 ST	206126-04
183	C1 AUXILIARY	127046	F471TC0606060604LL	PUSH ROLLER	10	0.25	STD	192	4x6 ST	4x6 ST	206126-04
184	C1 AUXILIARY	215255	F471TC0606060604JX	VIBRATOR	10	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
185	C1 AUXILIARY	215256S	F471TC0606060604XS	VIBRATOR	10	0.25	STD	87	4x6 ST	4x6 ST	206126-04
186	C1 AUXILIARY	137649	F471TC0606060604LL	VIBRATOR	10	0.25	STD	245	4x4 ST	4x6 ST	206126-04
187	C1 AUXILIARY	215258S	F471TC0637060604XS	VIBRATOR	10	0.25	STD	102	4x6 ST	4x6 45	206126-04
188	FUME EXTRACTION	130007S	P451TC0639121212F0	FXS*AUX	11	0.75	STD	142	12x12 ST	12x12 90	206127-04
11A	BRAKES / FLOWGATES	129836S	F471TC0606060604XS	BRAKE	2	0.25	STD	105	4x6 ST	4x6 ST	206126-04
11B	BRAKES / FLOWGATES	134033S	F471TC0637060604JX	BRAKE	2	0.25	STD	96	4x6 ST	4x6 45	206126-04
19A	BRAKES / FLOWGATES	201220S	F471TC0637060604XS	FLOWGATES	2	0.25	STD	9	4x6 ST	4x6 45	206126-04
19B	BRAKES / FLOWGATES	126924S	F471TC0606060604JX	FLOWGATES	2	0.25	STD	74	4x6 ST	4x6 ST	206126-04
20A	BRAKES / FLOWGATES	201220S	F471TC0637060604XS	FLOWGATES	2	0.25	STD	9	4x6 ST	4x6 45	206126-04
20B	BRAKES / FLOWGATES	93603-04S	F471TC0606060604JX	FLOWGATES	2	0.25	STD	66	4x6 ST	4x6 ST	206126-04
21A	BRAKES / FLOWGATES	217149S	F471TC0641060604LL	FLOWGATES	2	0.25	STD	112	4x6 ST	4x6 LN 90	206126-04
21B	BRAKES / FLOWGATES	126924S	F471TC0606060604JX	FLOWGATES	2	0.25	STD	74	4x6 ST	4x6 ST	206126-04
22A	BRAKES / FLOWGATES	128022S	F471TC0639060604LL	FLOWGATES	2	0.25	STD	112	4x6 ST	4x6 90	206126-04
22B	BRAKES / FLOWGATES	93603-04S	F471TC0606060604JX	FLOWGATES	2	0.25	STD	66	4x6 ST	4x6 ST	206126-04
29A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S	F471TC0606060604XS	F*2SPD*HIGH	4	0.25	STD	42	4x6 ST	4x6 ST	206126-04
29B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034S	F471TC0637060604JX	F*2SPD*HIGH	4	0.25	STD	104	4x6 ST	4x6 45	206126-04
30A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S	F471TC0606060604XS	F*2SPD*HIGH	4	0.25	STD	42	4x6 ST	4x6 ST	206126-04
30B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034S	F471TC0637060604JX	F*2SPD*LOW	4	0.25	STD	104	4x6 ST	4x6 45	206126-04
31A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120107S	F471TC0606060604XS	F*PARK*BRAKE	4	0.25	STD	34	4x6 ST	4x6 ST	206126-04
31B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134038S	F471TC0637040604JX	F*PARK*BRAKE	4	0.25	STD	92	4x4 ST	4x6 45	206126-04
34A	TRACTION DRIVE	149500-04S	F731**0606121212XS	F*DRIVE*B	7	0.75	HP731	62	12x12 ST	12x12 ST	206127-04
34B	TRACTION DRIVE	146328-04S	F731**0639121212JX	F*DRIVE*B	7	0.75	HP731	73	12x12 ST	12x12 90	206127-04
38A	TRACTION DRIVE	217150S	F731**0639121212LL	F*DRIVE*A	7	0.75	HP731	113	12x12 ST	12x12 90	206127-04
38B	TRACTION DRIVE	201243-04S	F731**0639121212JX	F*DRIVE*A	7	0.75	HP731	76	12x12 ST	12x12 90	206127-04
40A	TRACTION DRIVE	131416S	P451TC0606121212F0	F*DRIVE*CD	7	0.75	STD	84	12x12 ST	12x12 ST	206127-04
40B	TRACTION DRIVE	127141S	P451TC0639121212A7	F*DRIVE*CD	7	0.75	STD	74	12x12 ST	12x12 90	206127-04

HOSE #	CIRCUIT	ROADTEC PN	PARKER PN	FUNCTION	CIRCUIT #	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN
54A	STEERING / C1 LIFT	134503S	P471TC0641060606F0	L*STEER	5	0.375	STD	156	6x6 ST	6x6 LN 90	147462-04
54B	STEERING / C1 LIFT	201246S	P471TC0637060606A7	L*STEER	5	0.375	STD	126	6x6 ST	6x6 45	147462-04
57A	STEERING / C1 LIFT	128235S	P471TC0639060606F0	R*STEER	5	0.375	STD	156	6x6 ST	6x6 90	147462-04
57B	STEERING / C1 LIFT	201246S	P471TC0637060606A7	R*STEER	5	0.375	STD	126	6x6 ST	6x6 45	147462-04
96A	STEERING / C1 LIFT	120747S	P471TC0639080808F0	C1*LIFT	5	0.5	STD	105	8x8 ST	8x8 90	145052-04
96B	STEERING / C1 LIFT	200387S	P471TC0637080808A7	C1*LIFT	5	0.5	STD	120	8x8 ST	8x8 45	145052-04
97A	STEERING / C1 LIFT	217151S	P471TC0641060606KP	C1*LIFT	5	0.375	STD	97	6x6 ST	6x6 LN 90	147462-04
97B	STEERING / C1 LIFT	217152S	P471TC0637060606A7	C1*LIFT	5	0.375	STD	120	6x6 ST	6x6 45	147462-04

MISCELLANEOUS ITEMS SHIPPED IN HOSE KIT FROM PARKER

ROADTEC PART#	DESCRIPTION	VENDOR #	QTY		WHERE USED
134613-04	GREASE LINE ~ 1/4 X 102" W/4 JIC SW		2		C-2 INNER FOOTSHAFT BRNGS
134178-04	GREASE LINE ~ 1/4 X 85" W/4 JIC SW		2		C-1 REAR IDLER BRNGS
134173-04	GREASE LINE ~ 1/4 X 50" W/4 JIC SW		2		DUMP HOPPER INNER BRNGS
144367-04	GREASE LINE ~ 1/4 X 36" W/4 JIC SW		4		C-2 IDLER BRNGS
144367-04	GREASE LINE ~ 1/4 X 36" W/4 JIC SW		2		C-3 HEADSHAFT BRNGS
134227-04	GREASE LINE ~ 1/4 X 24.5" W/4 JIC SW		2		DUMP HOPPER INNER BRNGS
139948-04	GREASE LINE ~ 1/4 X 26" W/4 JIC SW		2		C-1 CENTER IDLER BRNGS
131913-04	VALVE ~ 2 WAY BALL 6 SAE	6G5B6LJ2-BP	1		BRAKE HYDRAULICS
89010-04	VALVE ~ 2 WAY BALL 1/4 N.P.T.	4F-B6LJ2-BP	1		WASHDOWN
134217-04	GREASE LINE ~ 1/4 X17 1/2" W/4 JIC SW		2		C-3 PIVOT BOX TUBE

REVISION	DATE	DESCRIPTION	BY
0	11/20/2007	PREVIOUS HOSE KIT WAS 217139. YELLOW HIGHLIGHTED ROWS ARE THE CHANGED HOSES.	JEH
A	2/27/2008	CHANGED HOSE LENGTH. PART 134173-04 WAS 201312-04 AND 139948-04 WAS 139948-04.	JEH

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3 PROPEL PUMP

M1 A FORWARD

6500 PSI

51.0 GPM MAX

11.5 GPM

350 PSI

2574 RPM
FULL LOAD

4.58 CID

1.03 CID

6500 PSI

M2 B

L1 S L2

PRESSURE COMPENSATOR VALVE

A B

PS P (UP TO 55 GPM) L

REAR MOTOR

A L2 M3 M1

3.35 CID

REAR PARKING BRAKE

B L1 M2

FRONT MOTOR

A L2 M3 M1

3.35 CID

FRONT PARKING BRAKE

B L1 M2

OIL COOLER
300 PSI MAX

RETURN FILTER 3 MICRON ABSOLUTE

10 MICRON SUCTION FILTER

SEE SHEET 6 FOR HOOD CIRCUIT

DE PLT B DL S2 S1

2 SPD. ACTUATORS

S1 PRESSURIZED FOR LOW RANGE
S2 PRESSURIZED FOR HIGH RANGE

T1 P T2

ø0.040

ø0.046

350 PSI

G

FROM AUX. PRESSURE MANIFOLD

HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03

PROPEL CIRCUIT

REPLACES DWG #216515-01 EC#1626

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB 2500D HYDRAULIC					
01 REQ'D PER 2500D	SHEET NO 1 of 6	FAB CODE 615	EFFECTIVE S/N 1039		
DRAWN BY JEH	CHECKED BY				
SCALE 3/4	DATE 11/7/08	DWG NO 226875-01	REV. 0		

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3

C3 CONVEYOR PUMP

C3 SHAFT SPEED
* 41.54:1 GEARBOX RATIO
* SET FOR 85 RPM

M1 A B M2

6500 PSI W/ESKRIDGE
5700 PSI W/FAIRFIELD

6500 PSI W/ESKRIDGE
5700 PSI W/FAIRFIELD

51.0 GPM MAX

11.5 GPM

350 PSI

2574 RPM
FULL LOAD

4.58 CID

1.03 CID

L2 M3 M1

3.35 CID

L1 M2

L1 S L2

10 MICRON SUCTION FILTER

OIL COOLER
300 PSI MAX

3 MICRON
ABSOLUTE
RETURN
FILTER

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3

C2 CONVEYOR PUMP

M1 A B M2

6500 PSI W/ESKRIDGE
5700 PSI W/FAIRFIELD

5000 PSI
EFFECTIVE W/SN 732
(DIG 4000 PSI W/ESKRIDGE, 4000 PSI W/FAIRFIELD)

68.0 GPM MAX

13.4 GPM

350 PSI

2574 RPM
FULL LOAD

6.10 CID

1.2 CID

L2 M3 M1

7.93 CID

L1 M2

L1 S L2

C-2/C-3 CIRCUIT

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC
SB-2500D HYDRAULIC

01 REQ'D PER 2500D

SHEET NO: 2 of 6

FAB CODE: 615

EFFECTIVE S/N: 1039

DRAWN BY: JEH

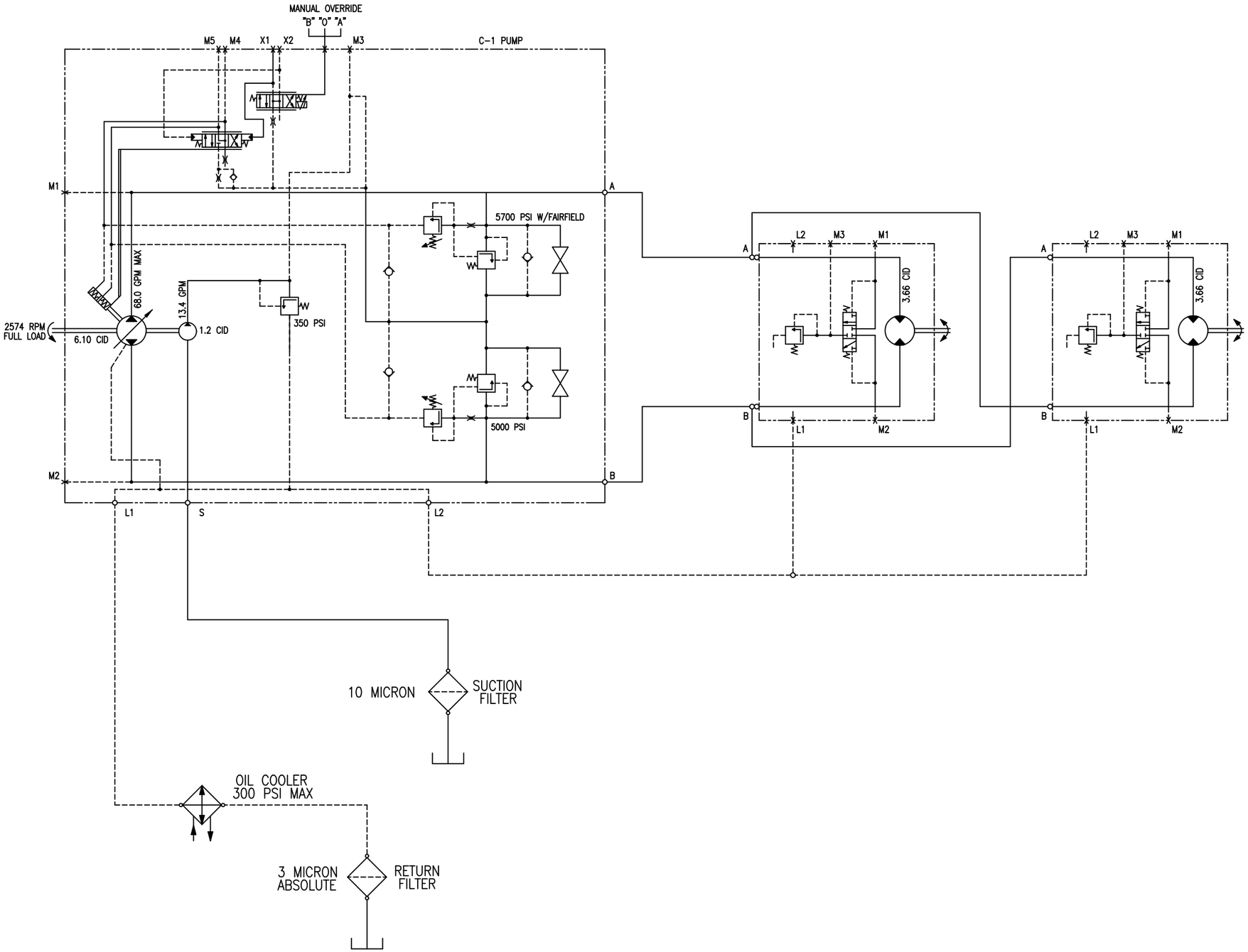
CHECKED BY:

SCALE: 3/4

DATE: 11/07/08

DWG NO: 226875-01

REV: 0



C-1 CIRCUIT

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC			
01 REQ'D PER 2500D	SHEET NO: 3 of 6	FAB CODE: 615	EFFECTIVE S/N: 1039
DRAWN BY: JEH	CHECKED BY:		
SCALE: 3/4	DATE: 11/07/08	DWG NO: 226875-01	REV: 0

HOOD CYLINDER

0.0292

P.O. CHECK

HAND PUMP

DE PLT B DL S2 S1

T1 P T2

ø0.040

ø0.046

350 PSI

G

HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03

⚠

EASY START AUXILARY BYPASS
PART NUMBER 212947-03

"A"

"B"

(OPTIONAL)
TRUCK HITCH
8 GPM TYP

C-1 HOPPER
CYLINDERS
12 GPM TYP

C-1 CLEANOUT
1 GPM TYP

C-1 BAFFLE
CYLINDER

VIBRATION MOTOR

1/16 1/16 1/16

1/32 1/32

2 GPM
FIXED

3/64

P T T

1000 TO 2500 PSI
ONLY WITH TRUCK
HITCH OPTION
SET AT 1000 PSI

(OPTIONAL)
TRUCK HITCH
SOLENOID VALVE

C-1 HOPPER
SOLENOID VALVE

C-1 CLEANOUT
SOLENOID VALVE

C-1 BAFFLE
SOLENOID VALVE

C1 HOPPER
VIBRATOR VALVE

C1 HOPPER CONTROL
MANIFOLD PART NO.
211538-01

NOTE: STANDARD MANIFOLD TO BE
EQUIPPED WITH BLANKING PLATES (PLUGS)
AT TRUCK HITCH STATION (SOLENOID VALVE
AND REDUCING VALVE)

10 MICRON

PRESSURE
FILTER

2500 PSI

AUXILIARY PUMP

B

30.6 GPM MAX.

2574 RPM
FULL LOAD

2.75 CID
45 CC

L1 L

100 MESH
SUCTION
STRAINER

AUXILIARY CIRCUIT

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC
SB-2500D HYDRAULIC

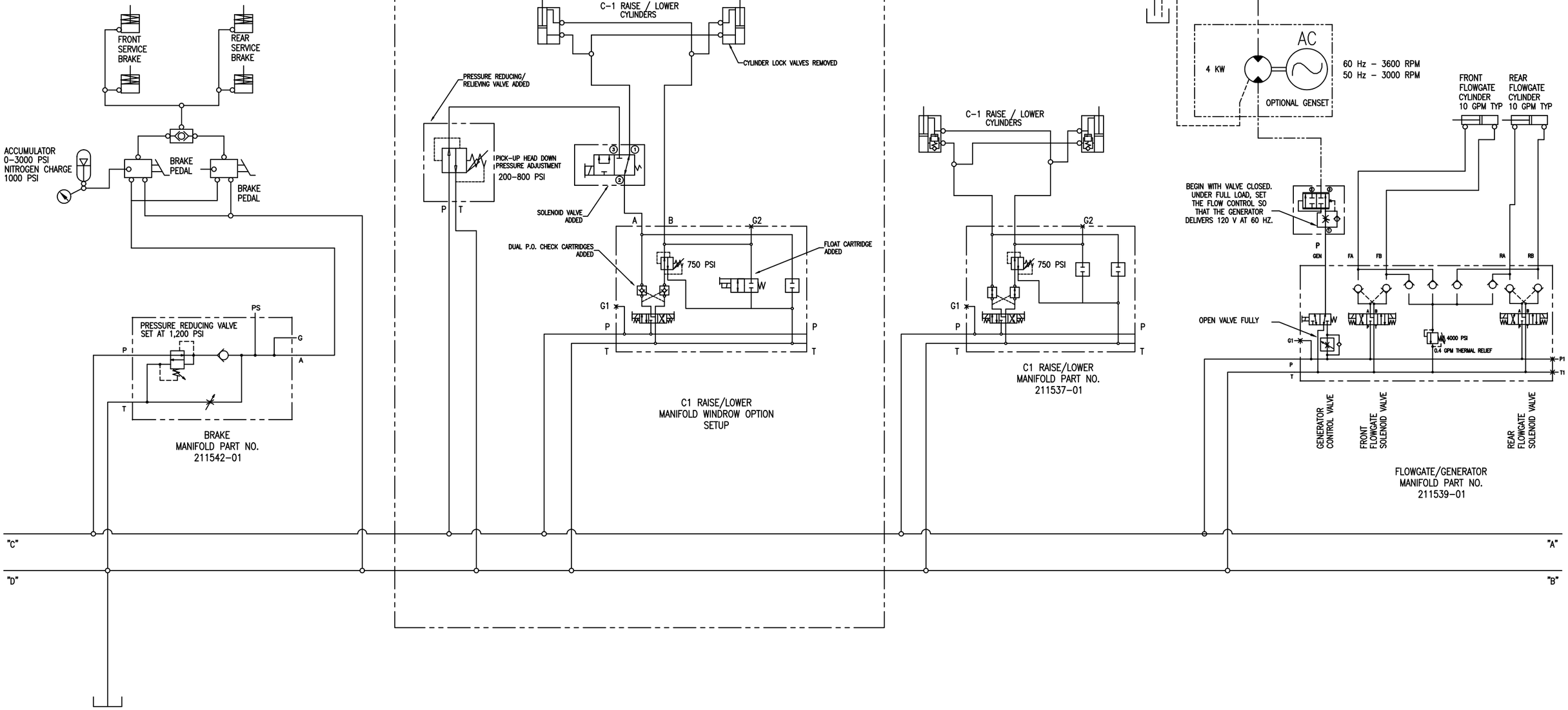
01 REQ'D PER 2500D

SHEET NO: 4 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 1039

DRAWN BY: JEH | CHECKED BY:

DWG NO: 226875-01 | REV.: 0

SCALE: 3/4 | DATE: 11/07/08



AUXILIARY CIRCUIT (CON'T)

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

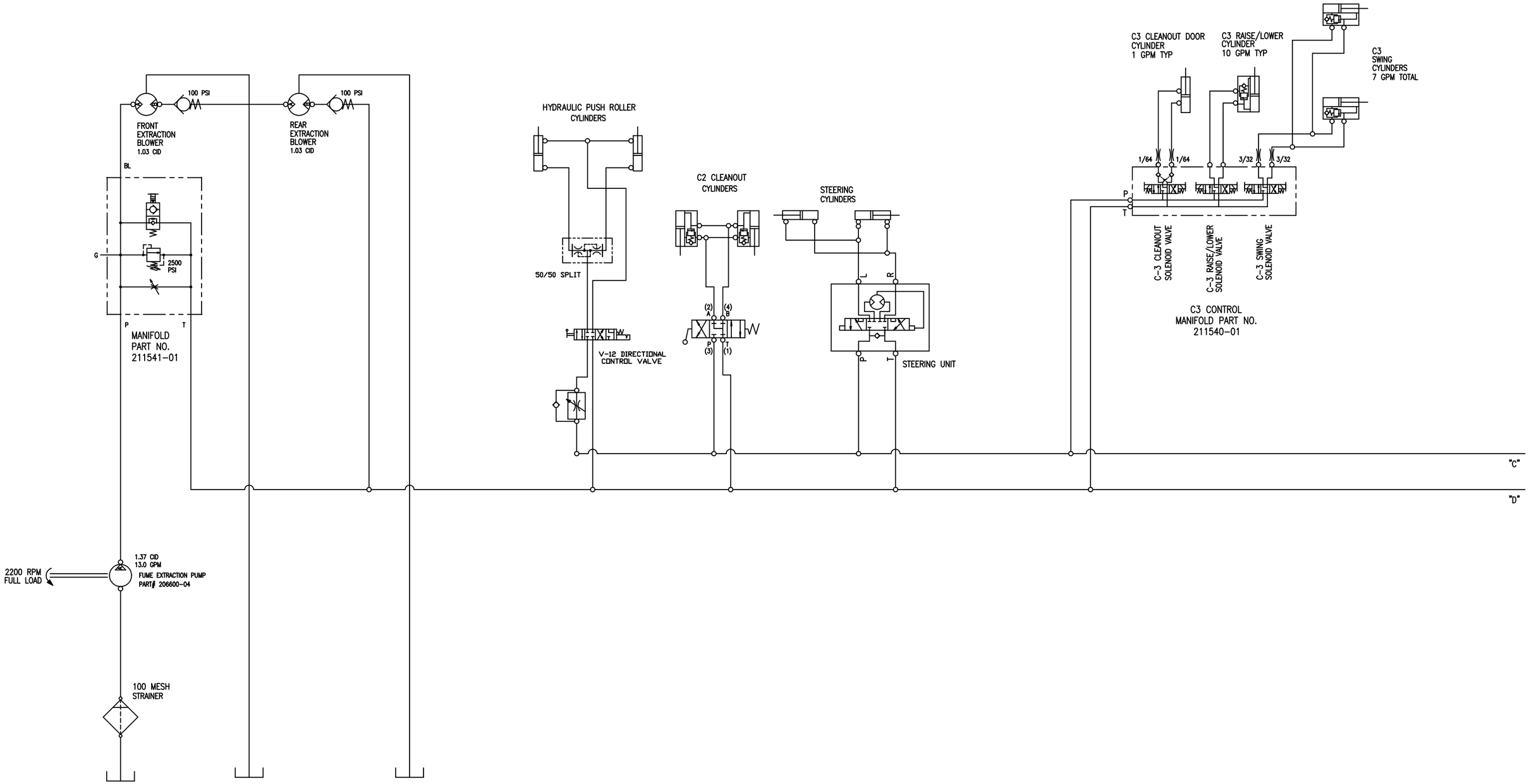
PART NAME: SCHEMATIC SB–2500D HYDRAULIC

01 REQ'D PER 2500D

SHEET NO	FAB CODE	EFFECTIVE S/N
5 of 6	615	1039

DRAWN BY	CHECKED BY	DWG NO	REV.
JEH		226875–01	0

SCALE	DATE
3/4	11/07/08



AUXILIARY CIRCUIT (CON'T)/FXS CIRCUIT

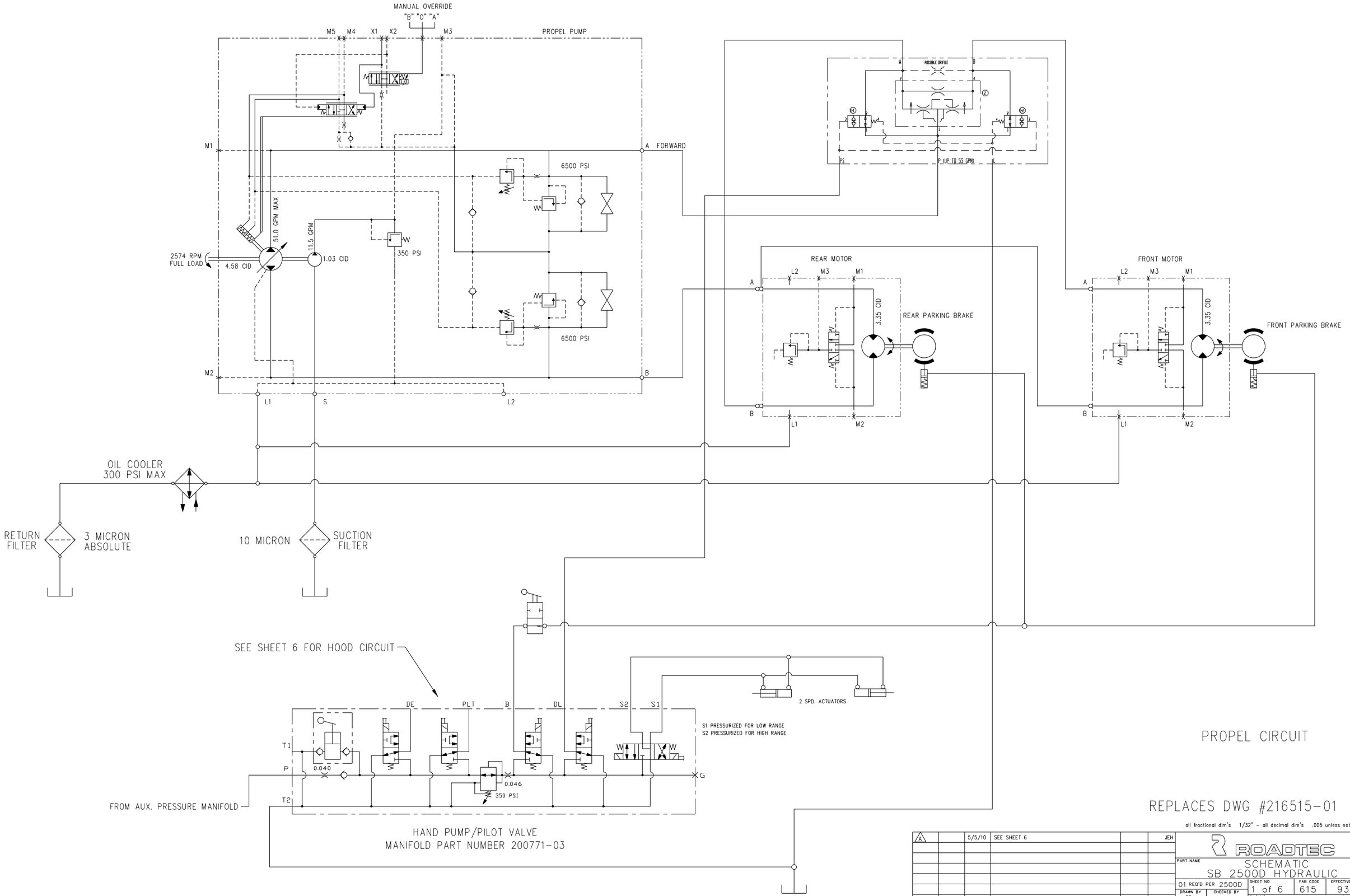
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC

01 REQ'D PER 2500D	SHEET NO 6 of 6	FAB CODE 615	EFFECTIVE S/N 1039
DRAWN BY JEH	CHECKED BY	DWG NO 226875-01	REV. 0
SCALE 3/4	DATE 11/07/08		



PROPEL CIRCUIT

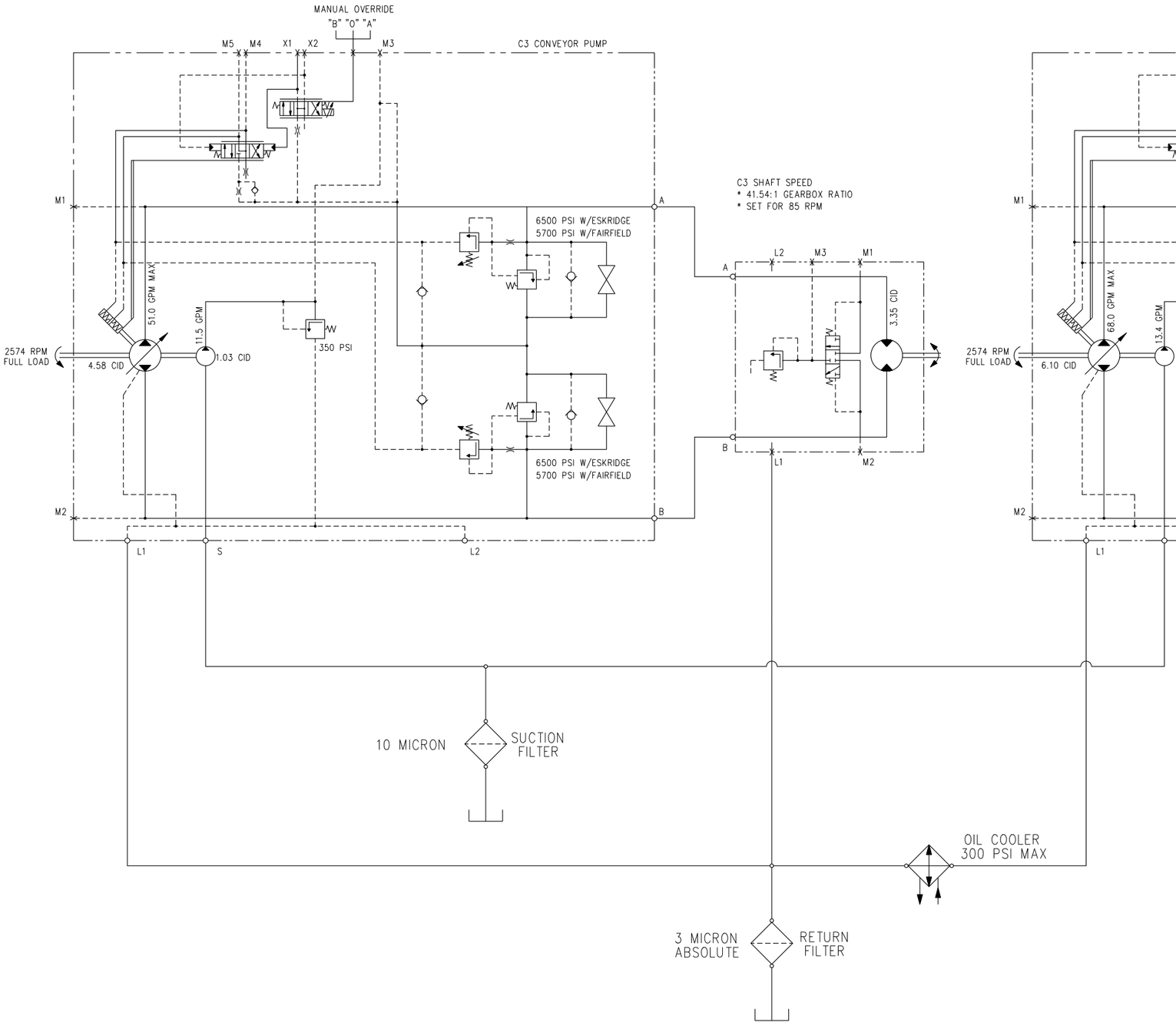
REPLACES DWG #216515-01

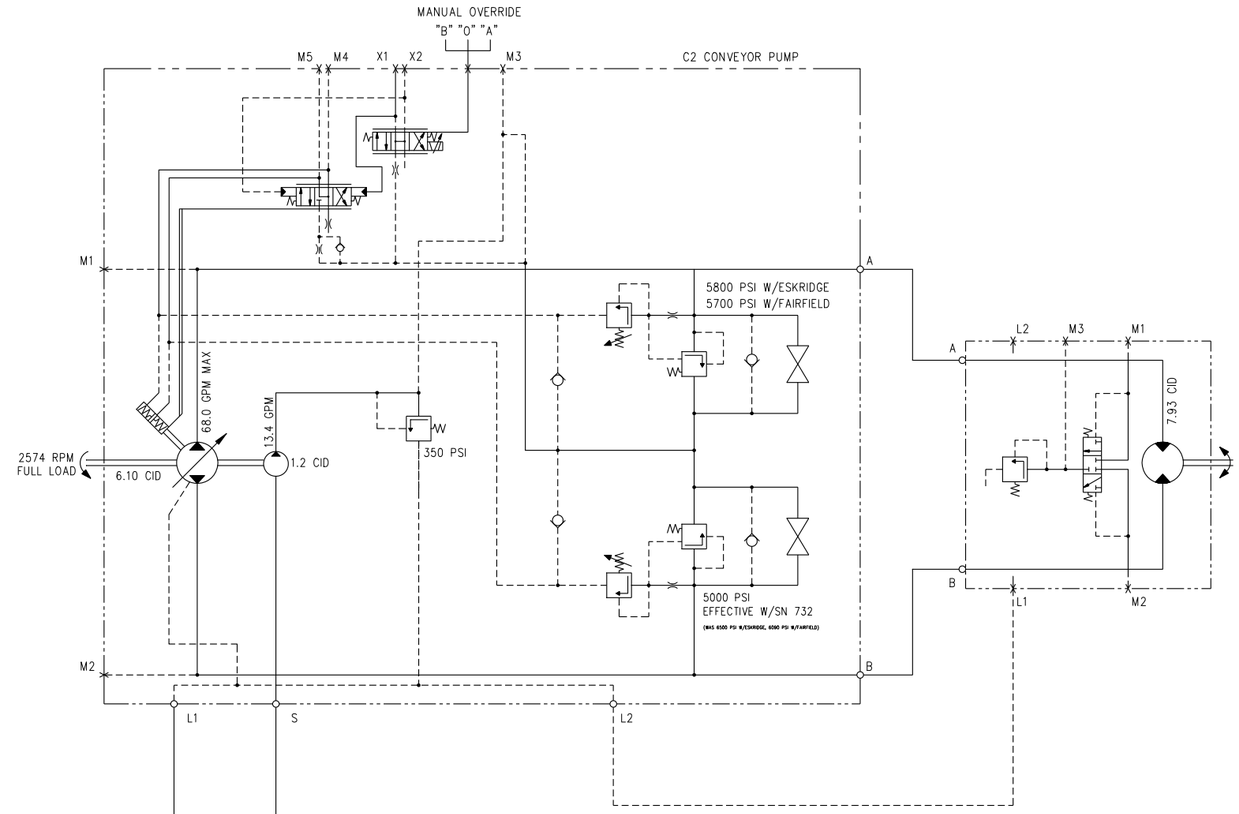
all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		5/5/10	SEE SHEET 6		JEH

ROADTEC

PART NAME: SCHEMATIC SB 2500D HYDRAULIC			
01 REQ'D PER 2500D	SHEET NO: 1 of 6	FAB CODE: 615	EFFECTIVE S/N: 930
DRAWN BY: DD	CHECKED BY:	DWG NO: 221134-01	REV: A
SCALE: 3/4	DATE: 6/11/07		





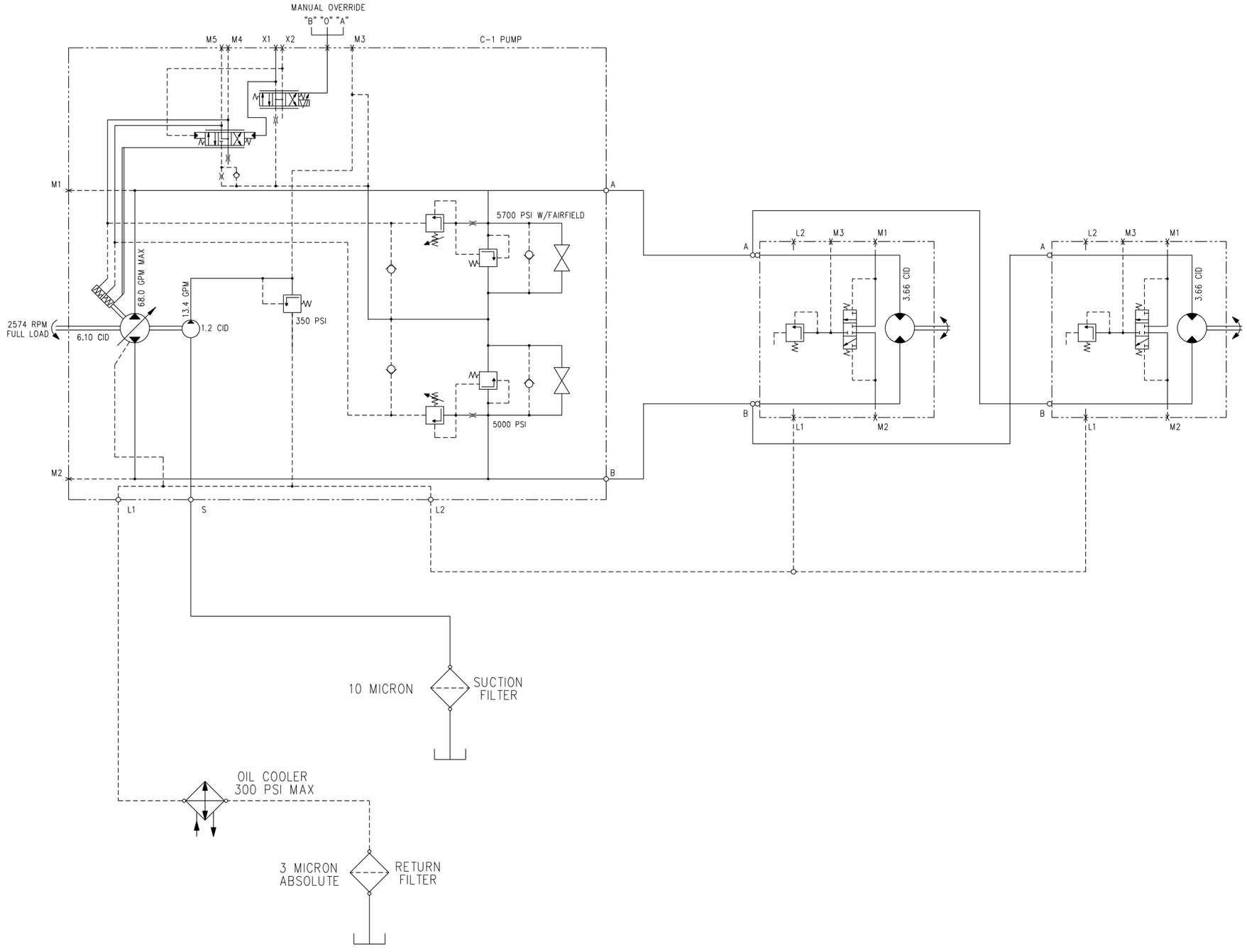
C-2/C-3 CIRCUIT

all fractional dim's 1/32" - all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC				
01 REQ'D PER 2500D	SHEET NO 2 of 6	FAB CODE 615	EFFECTIVE S/N 930	
DRAWN BY DD	CHECKED BY	DWG NO 221134-01		REV. A
SCALE 3/4	DATE 6/11/07			



C-1 CIRCUIT

all fractional dim's 1/32" - all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC			
01 REQ'D PER 2500D	SHEET NO: 3 of 6	FAB CODE: 615	EFFECTIVE S/N: 930
DRAWN BY: DD	CHECKED BY:		
SCALE: 3/4	DATE: 6/11/07	DWG NO: 221134-01	REV: A

HOOD CYLINDER

0.0292

P.O. CHECK

HAND PUMP

DE PLT B DL S2 S1

T1 P T2 G

0.040 0.046 350 PSI

HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03

EASY START AUXILARY BYPASS
PART NUMBER 212947-03

(OPTIONAL)
TRUCK HITCH
8 GPM TYP

C-1 HOPPER
CYLINDERS
12 GPM TYP

C-1 CLEANOUT
1 GPM TYP

C-1 BAFFLE
CYLINDER

VIBRATION MOTOR

1/16 1/16 1/16 1/32 1/32

2 GPM
FIXED

P T T 3/64

1000 TO 2500 PSI
ONLY WITH TRUCK
HITCH OPTION
SET AT 1000 PSI

(OPTIONAL)
TRUCK HITCH
SOLENOID VALVE

C-1 HOPPER
SOLENOID VALVE

C-1 CLEANOUT
SOLENOID VALVE

C-1 BAFFLE
SOLENOID VALVE

C1 HOPPER
VIBRATOR VALVE

C1 HOPPER CONTROL
MANIFOLD PART NO.
211538-01

NOTE: STANDARD MANIFOLD TO BE
EQUIPPED WITH BLANKING PLATES (PLUGS)
AT TRUCK HITCH STATION (SOLENOID VALVE
AND REDUCING VALVE)

10 MICRON PRESSURE FILTER

2500 PSI

AUXILIARY PUMP

B

30.6 GPM MAX

2574 RPM
FULL LOAD

2.75 CID
45 CC

L1 L

"A"

"B"

100 MESH
SUCTION
STRAINER

AUXILIARY CIRCUIT

all fractional dim's 1/32" - all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC

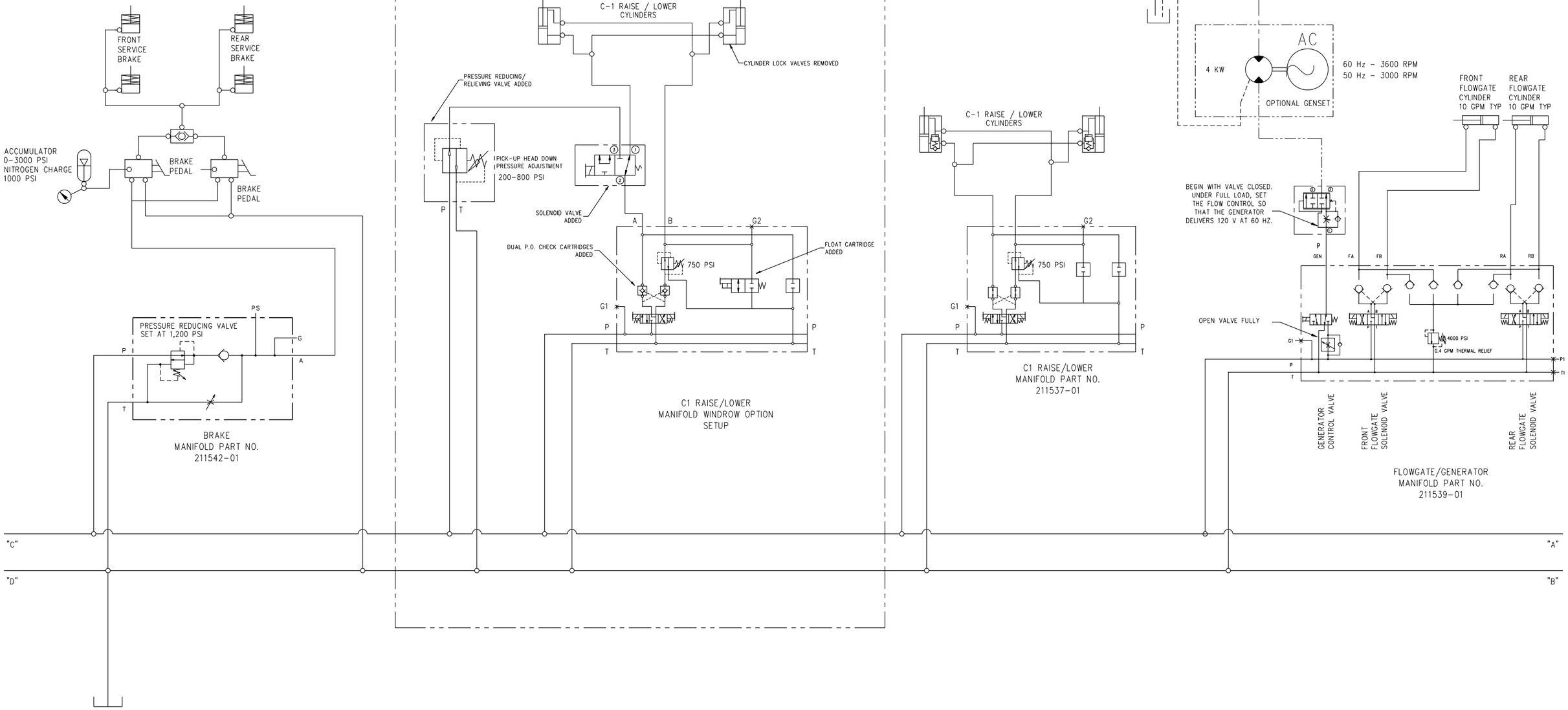
01 REQ'D PER 2500D

SHEET NO: 4 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 930

DRAWN BY: DD | CHECKED BY:

SCALE: 3/4 | DATE: 6/11/07

DWG NO: 221134-01 | REV: A



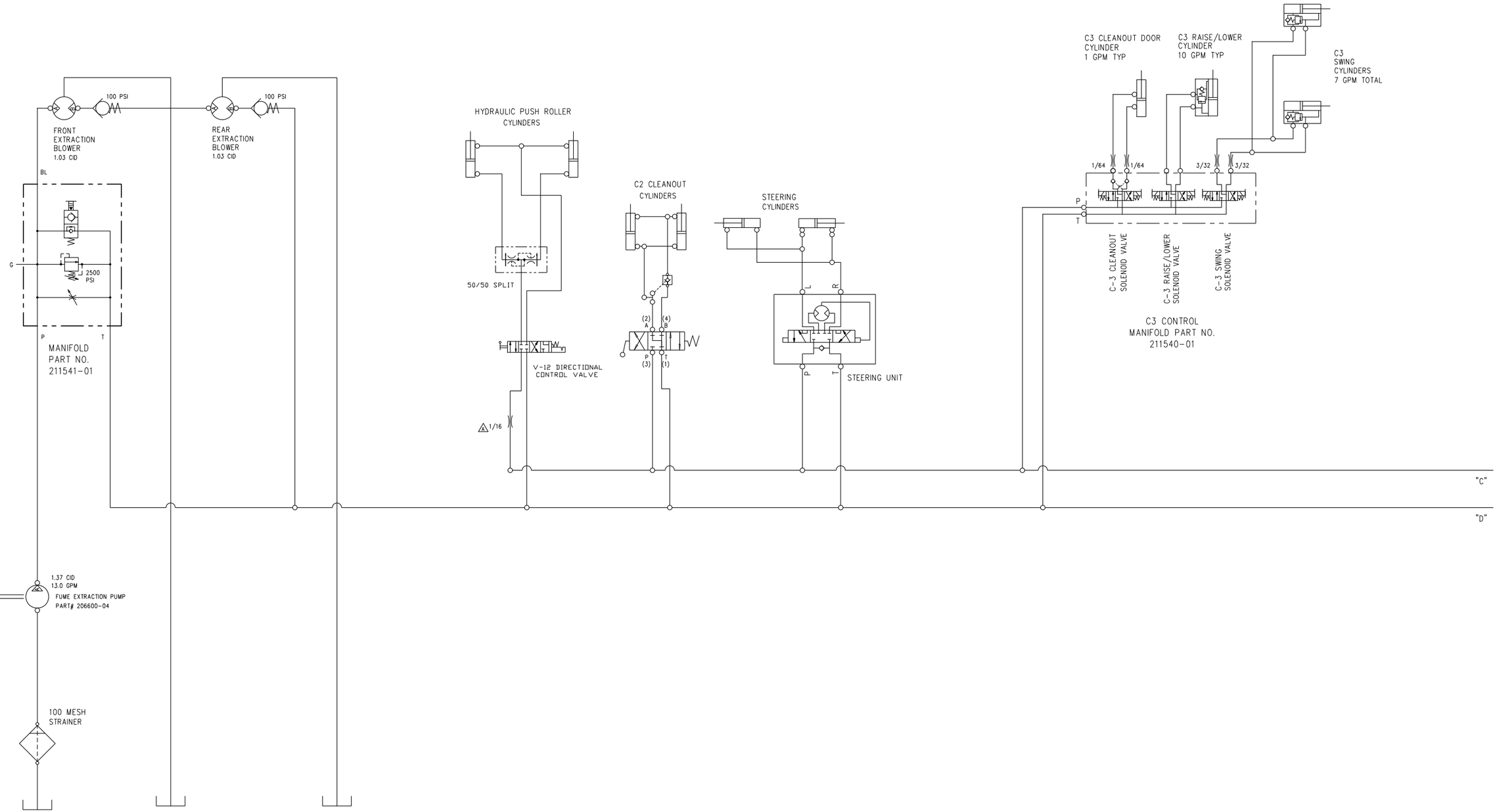
AUXILIARY CIRCUIT (CON'T)

all fractional dim's 1/32" - all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC			
01 REQ'D PER 2500D	SHEET NO: 5 of 6	FAB CODE: 615	EFFECTIVE S/N: 930
DRAWN BY: DD	CHECKED BY:	DWG NO: 221134-01	REV.: A
SCALE: 3/4	DATE: 6/11/07		



AUXILIARY CIRCUIT (CON'T)/FXS CIRCUIT

all fractional dim's 1/32" - all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	1274	5/5/10	DETAIL CORRECTION, REPLACED NEEDLE VALVE W/ ORIFICE.		JEH

ROADTEC

PART NAME: SCHEMATIC SB-2500D HYDRAULIC

01 REQ'D PER 2500D | SHEET NO 6 of 6 | FAB CODE 615 | EFFECTIVE S/N 930

DRAWN BY DD | CHECKED BY

SCALE 3/4 | DATE 6/11/07

DWG NO 221134-01 | REV. A

70 PIN INSTRUMENTATION CONNECTOR

	COLOR	AWG	NO.	PIN	
				1	
ANALOG SENSOR POWER	ORANGE	16	125	2	
ANALOG SENSOR RETURN	BROWN	16	T993	3	
DIGITAL SENSOR POWER	ORANGE	16	167	4	
DIGITAL SENSOR RETURN	BLACK	16	A274	5	
MAINT. DUE RESET SWITCH	BLUE	16	F426	6	
TORQUE LIMIT SWITCH	GREEN	16	M909	7	
CAT DATALINK +	PINK	16	893	8	
CAT DATALINK –	WHITE	16	892	9	
ETHER START VALVE RELAY	PINK	16	382	10	
AIR SHUTOFF RELAY	BROWN	16	G971	11	
				12	
				13	
				14	
AUXILIARY PRESSURE SENSOR	BLUE	16	G469	15	
AUXILIARY TEMPERATURE SENSOR	GREEN	16	G488	16	
				17	
				18	
				19	
				20	
				21	
				22	
NOT USED	YELLOW	16	H407	23	
WAIT TO START LIGHT				24	
				25	
				26	
				27	
DIAGNOSTIC LAMP	RED	16	F404	28	
WARNING LAMP	GREEN	16	F420	29	
MAINTENANCE DUE LAMP	YELLOW	16	F424	30	
NOT USED	GREEN	16	T936	31	
				32	
				33	
J1939 DATA –	GREEN	16	K990	34	K990
NOT USED				35	
				36	
				37	
				38	
				39	
NOT USED	GRAY	16	H406	40	
PTO INTERRUPT SWITCH	ORANGE	16	M904	41	
J1939 SHIELD	BLACK	16	A234	42	A234
				43	
REMOTE SHUTDOWN	WHITE	16	F716	44	44
	WHITE	16	G968	45	
				46	
INTERMEDIATE ENGINE SPPED SWITCH	BLUE	16	H405	47	
+ BATTERY UNSWITCHED	ORANGE	16	150	48	BECM
COOLANT LEVEL SENSOR	WHITE	16	E452	49	
J1939 DATA +	YELLOW	16	K900	50	K900
				51	
+ BATTERY UNSWITCHED	ORANGE	16	150	52	BECM
+ BATTERY UNSWITCHED	ORANGE	16	150	53	BECM
75% OVERSPEED VERIFY SWITCH	PINK	16	387	54	
+ BATTERY UNSWITCHED	ORANGE	16	150	55	BECM
PTO ENABLE SWITCH	PURPLE	16	381	56	GND
				57	
PTO RAMP UP/SET SWITCH	GREEN	16	G955	58	G955
NOT USED	PINK	16	E798	59	
PTO RAMP DOWN/RESUME SWITCH	WHITE	16	G967	60	G967
BATTERY –	BLACK	16	229	61	GND
				62	
BATTERY –	BLACK	16	229	63	GND
				64	
BATTERY –	BLACK	16	229	65	GND
THROTTLE POSITION SENSOR PWM	GRAY	16	A307	66	
SOLENOID COMMON	YELLOW	16	G969	67	
	GREEN	16	C912	68	
BATTERY –	BLACK	16	229	69	GND
+ BATTERY SWITCHED	YELLOW	16	120	70	9

THROTTLE
UP
DOWN

CAT DATALINK CONNECTOR
9
GND
A POWER
B GROUND
C J1939 SHIELD
D CDL+
E CDL–
F J1939–
G J1939+
120 OHM

SHLD
+
–
C
A
B
3-PIN DEUTSCH
SHLD
+
–
MURPHY POWERVIEW POWER AND CAN HARNESS

E
6-PIN DEUTSCH
24V1
BACKLIGHT
GND
1
5
6
MURPHY POWERVIEW POWER AND CAN HARNESS

CAN +
CAN –
GND
V +
MURPHY

CAN +
CAN –
120 OHM
ENGINE RPM GAUGE

ENGINE HARNESS GROUND DISCONNECT SWITCH

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

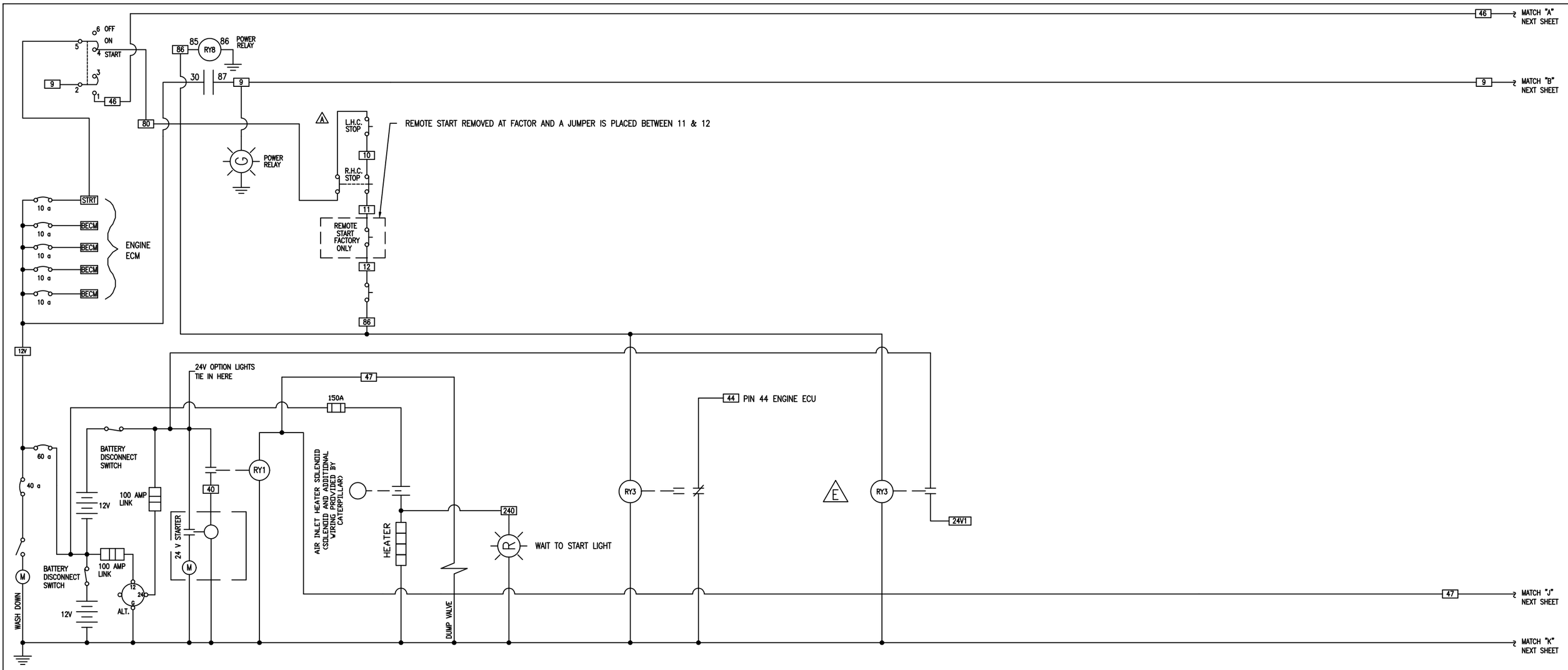
REV.	SN#	DATE	ISSUES	BY
A	~	2-16-06	CLARIFIED NEUTRAL START CIRCUIT	KDM
B	~	6-2-06	ADDED START ASSIST RELAY ~ CAT ENGINE	KDM
C	~	6-28-06	MODIFIED GROUND DISCONNECT SWITCH	KDM
D	~	7-11-07	CORRECTED C1 BAFFLE AND C1 DUMP HOPPER	KDM
E	964	1-15-08	CHANGED POWER ON MURPHY GAUGE TO 24V	KDM

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C – CAT ENGINE

1 REQ'D PER SB2500D | SHEET NO: 1 OF 5 | FAB CODE: 603 | EFFECTIVE S/N: 848

DRAWN BY: KDM | TOTAL WT. (LBS): | SCALE: 1=1 | DATE: 3-31-06 | DWG NO: 216428-01 | REV: E



LEGEND

- = SOLENOID (Y #)
- = NORMALLY OPEN SWITCH (N.O.)
- = LIMIT SWITCH (LS #)
- = PRESSURE SWITCH (PS #)
- = TEMPERATURE SWITCH (TS #)
- = PUSH BUTTON (PB #)
- = NORMALLY CLOSED SWITCH (N.C.)
- = RESISTOR (R #)
- (RY #) = RELAY
- = WHITE LIGHT (L #)
- = ORANGE LIGHT (L #)
- = RED LIGHT (L #)
- = TERMINAL NUMBER
- = WIRE NUMBER OR WIRE CONNECTION
- = BATTERY
- = CIRCUIT BREAKER (CB #)
- = DIODE (D #)
- INTLK = INTERLOCK
- = GROUND
- FRT = FRONT
- ELEV = ELEVATION
- (P #) = PLUG
- — — = OPTIONAL ITEMS (EXCEPT SWITCH BORDERS, RELAYS, LIMIT SWITCHES, JUMPERS)
- = PUMP COIL
- = TEMP. SENDING UNIT
- = RELAY

RELAY LEGEND

RY1 – START ASSIST
RY2 – NEUTRAL START
RY3 – ENGINE SHUT DOWN
RY7 – HORN
RY8 – MAIN POWER
RY9 – LATCHING (SPEED SHIFT)

THIS DWG REPLACES 214769-01

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C – CAT ENGINE

1 REQ'D PER	SHEET NO	FAB CODE	EFFECTIVE S/N
SB2500D	2 OF 5	603	848

DRAWN BY	TOTAL WT. (LBS)	DWG NO	REV.
KDM		216428-01	E

SCALE	DATE
1=1	3-31-06

"A" 2 — 46

"B" 2

MATCH "C" NEXT SHEET

MATCH "D" NEXT SHEET

MATCH "E" NEXT SHEET

MATCH "F" NEXT SHEET

MATCH "G" NEXT SHEET

MATCH "H" NEXT SHEET

9 — HOPPER CONSOLE 20 a — 1

9 — FLOW GATE & C3 15 a — 24

9 — AUXILIARY 30 a — 26

9 — PROPEL, BRAKE & CONVEYORS 15 a — 25

9 — FRONT & REAR BLOWERS 20 a — 36

9 — LIGHTS 30 a — 39

26

46

25 — 25 — 25 — 25

26

C1 NEUTRAL — 41 — OFF

C2 & C3 NEUTRAL — 28 — OFF

PROPEL NEUTRAL BRAKE ON — 45 — BRAKE

JOYSTICK — 30

8 — RY2 — 5

47

RY2

"J" 2

"K" 2

C1 ON/OFF — ON — OFF — 251 — OFF — 252

C3 ON/OFF — ON — OFF

C2 ON/OFF — ON — 53 — ON

52A — ON

381

C2 SPEED POTENTIOMETER

54

100 Ω 10 WATT

54A

75 Ω 10 WATT

15 — D

51 — A — C1 PUMP SERVO — B

52 — A — C3 PUMP SERVO — B

C2 PUMP SERVO — C

511 — D — C1 PUMP SERVO — C

521 — D — C3 PUMP SERVO — C

CONVEYOR REVERSING SWITCHES

C1 — C3 — C2

15-1 — 15-2 — A — C2 PUMP SERVO — B

C2 CLEANOUT DOOR LIMIT SWITCH (N.O.)

PARKING BRAKE

BRAKE — ON — OFF — 29

29 — 34 — FOOT BRAKE PRESSURE SWITCH

36 — 381 — MANUAL — OFF — AUTO

HOOD LIMIT SWITCH (N.O.) — 38 — 382

FXS FAN

30

TRAVEL — 74 — B — RY9 — A

PAVE — 78 — 8 — RY9 — 5

26 — RY9 — 6 — 35 — 35

RY9 — 1 — 72 — 72

PAVE — G

TRAVEL — G

SPEED SHIFT PAVE RANGE

SPEED SHIFT TRAVEL RANGE

MATCH "K" NEXT SHEET

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

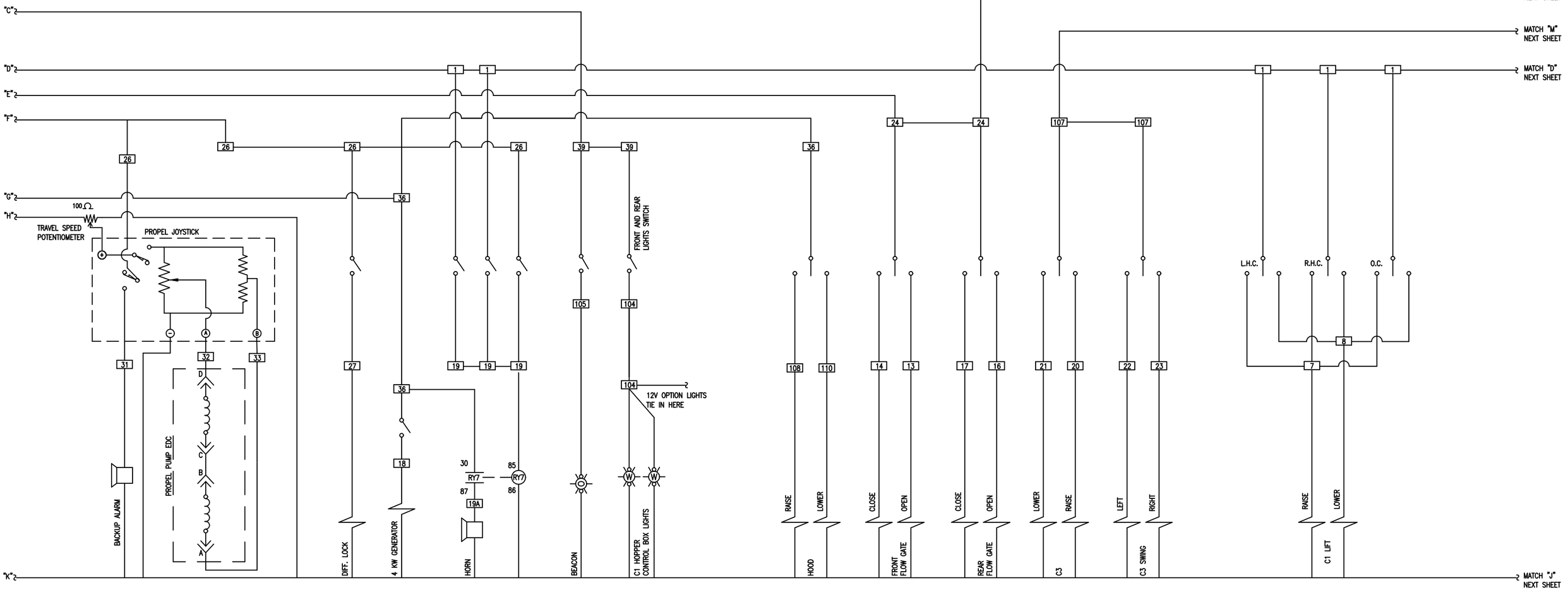
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C – CAT ENGINE

1 REQ'D PER SB2500D | SHEET NO 3 OF 5 | FAB CODE 603 | EFFECTIVE S/N 848

DRAWN BY KDM | TOTAL WT. (LBS) | DWG NO 216428-01 | REV. E

SCALE 1=1 | DATE 3-31-06



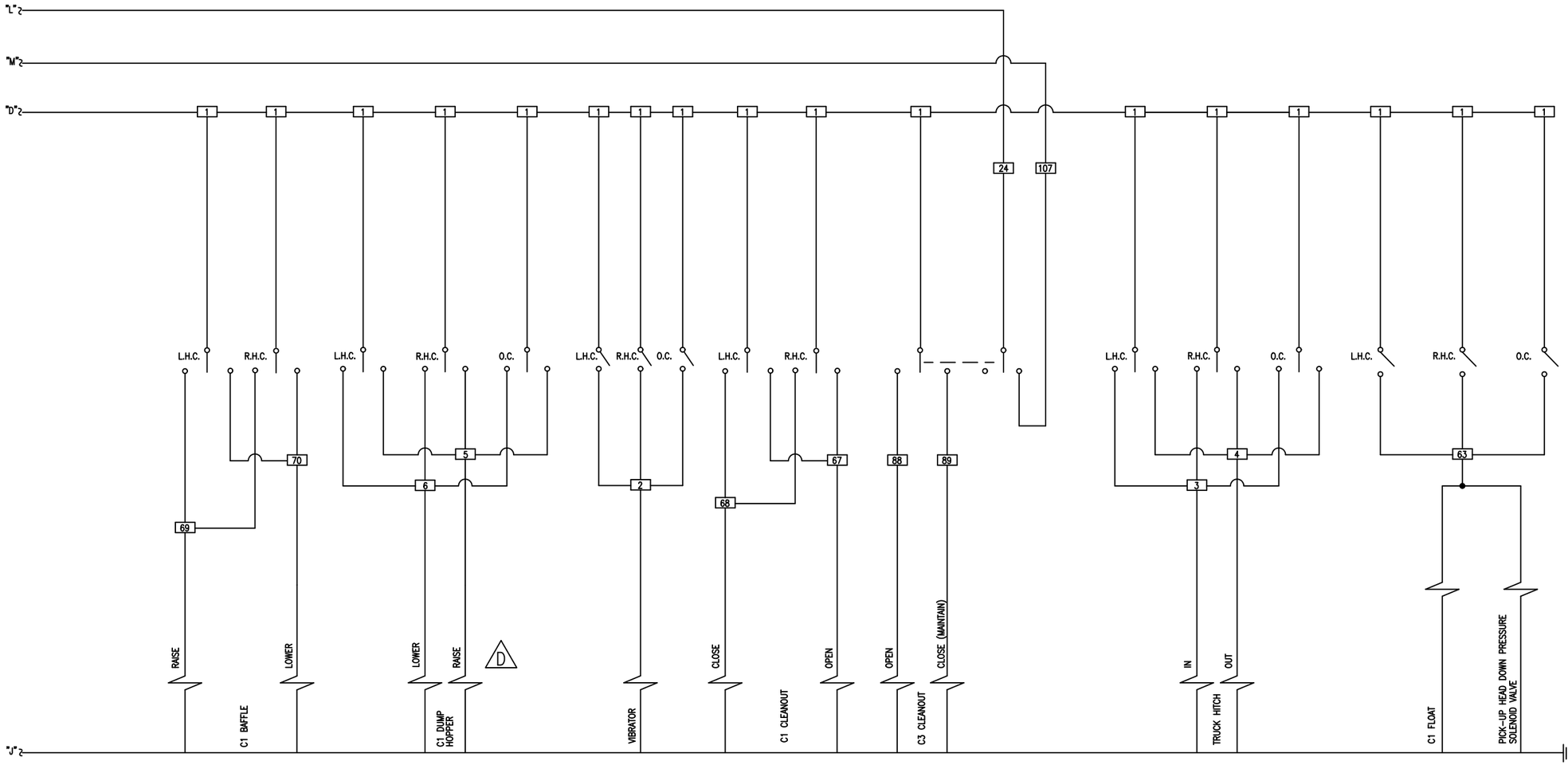
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C – CAT ENGINE

1 REQ'D PER SB2500D	SHEET NO 4 OF 5	FAB CODE 603	EFFECTIVE S/N 848
DRAWN BY KDM	TOTAL WT. (LBS)		
SCALE 1=1	DATE 3-31-06	DWG NO 216428-01	REV. E



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C – CAT ENGINE

1 REQ'D PER: SB2500D | SHEET NO: 5 OF 5 | FAB CODE: 603 | EFFECTIVE S/N: 848

DRAWN BY: KDM | TOTAL WT. (LBS):

SCALE: 1=1 | DATE: 3-31-06 | DWG NO: 216428-01 | REV.: E