ROADTEC SB-2500C MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 204469-B
S/N. 694-697
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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, UPS, AIR, 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
2909 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
MONDAY-FRIDAY 7:00AM – 8:30PM EASTERN
SATURDAY 7:00AM – 12:00PM EASTERN
PHONE : (423) 622-9202 **TOLL FREE : 1-877-266-8882**
PARTS FAX : 423-622-9072 **USED SALES FAX : 423-622-7318**

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 CARRIERS AGENT MAKES A NOTATION OF THE SHORTAGE OR DAMAGE ON THE EXPENSE BILL. NOTIFY THE TRANSPORTATION COMPANY'S AGENT AT ONCE AND REQUEST AN INSPECTION.

THIS IS ABSOLUTELY NECESSARY.

IF THE AGENT DOES NOT MAKE AN INSPECTION, THEN AN AFFIDAVIT SHOULD BE MADE STATING THAT HE WAS NOTIFIED (ON THE DATE) AND FAILED TO DO THE INSPECTION. 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.

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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** _____

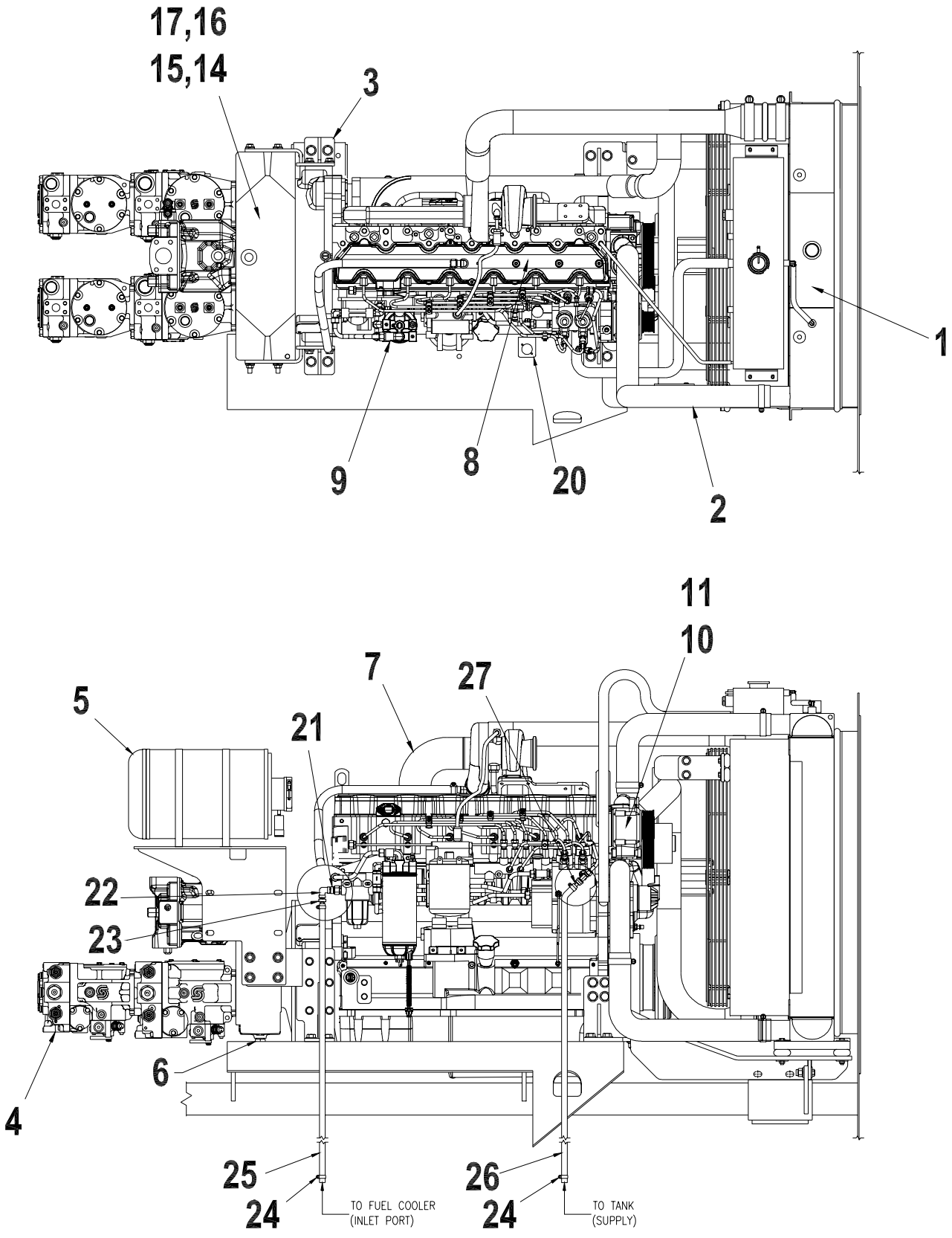
MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:
SCREED MODEL:
SERIAL NO.:
CATALOG NO.:

SECTION 1 : ENGINE

ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE	204234-01	665,680 & UP	1.1
RADIATOR	204109-01		1.3
AIR INTAKE	204212-01		1.7
EXHAUST	204216-01		1.9
PUMPS	147059-01		1.13
CHARGE AIR / RADIATOR HOSE	204156-01		1.15
DURST OIL DRAIN	142903-01		1.17

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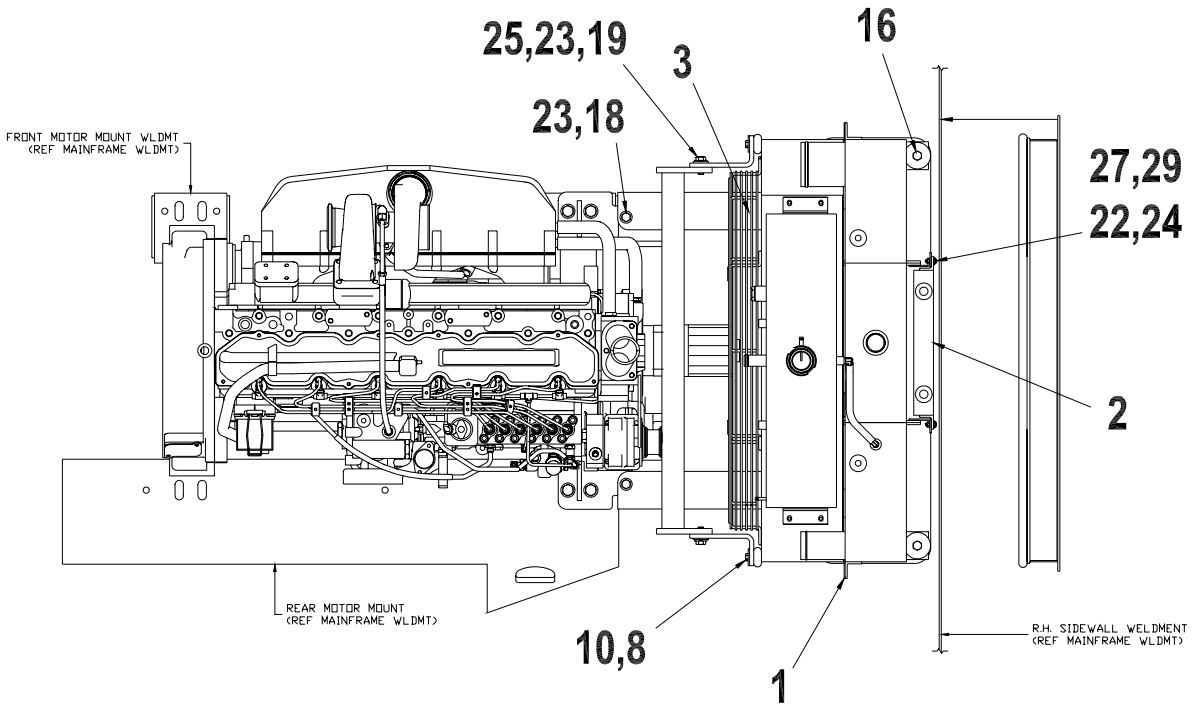
SB-2500C ENGINE ASSEMBLY
(204234-01)

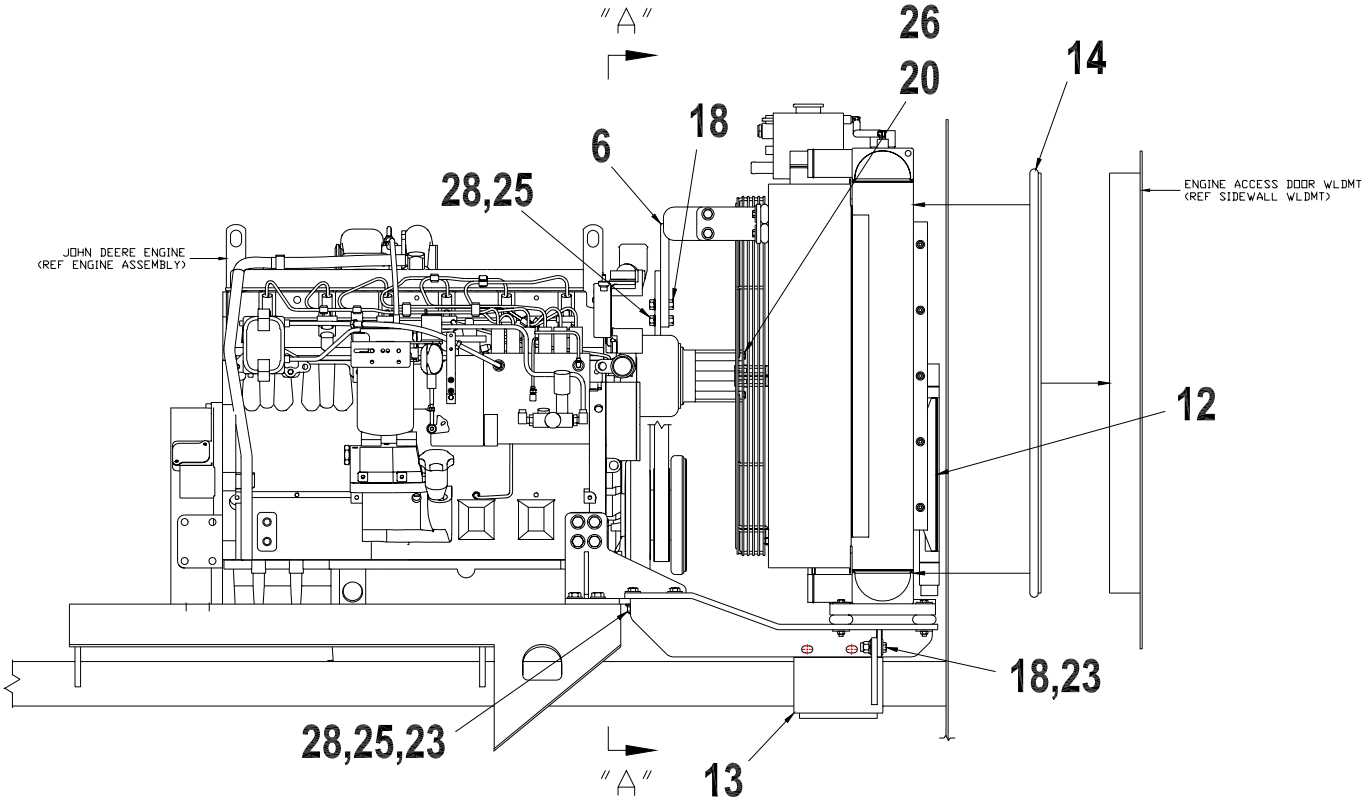


SB-2500C ENGINE ASSEMBLY
(204234-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204109-01	RADIATOR SUB-ASSEMBLY	1
2	204156-01	CHARGE AIR/RADIATOR HOSE	1
3	204199-01	ENGINE MOUNT	1
4	147059-01	PUMP	1
5	204212-01	AIR INTAKE	1
6	142903-01	DURST OIL DRAIN	1
7	204216-01	EXHAUST	1
8	140613	TURBO BLANKET KIT	1
9	202101-03	ENGINE - 8.1 LITER JOHN DEERE (TIER 1)	1
10	89687-04	ALTERNATOR - 12/24 VOLT W/ FAN	1
11	130176-01-C2	ALTERNATOR PULLEY	1
12	141677-04	LOWER ALTERNATOR BRACKET	1
13	204429-03	UPPER ALTERNATOR BRACKET	1
14	141615-01	DRIVE PLATE SPRING COUPLING	1
15	97027	BOLT - 3/8-16 S.H.C.S. GR8	8
16	83056	LOCKWASHER - 3/8 SPRING STEEL	8
17	88960	LOCTITE #242 (BLUE)	1
18	88961	LOCTITE #271 (RED)	.5
19	142804-04	ENGINE OIL DRAIN TAG (NOT SHOWN)	1
20	205410-03	DIAGNOSTIC PLUG BRACKET	1
21	204433-04	FIT - M16 O-RING X 8 JIC MALE ADAPTER	1
22	83732-04	FIT - 8 JIC M X 8 JIC FM SW 90 DEG.	1
23	204432-04	FIT - 1/2 BARB X 8 JIC FM SWIVEL	1
24	45228	CLAMP - 1/2" HOSE	4
25	136019-04	HOSE - 1/2" FUEL (INCHES)	64.0
26	136019-04	HOSE - 1/2" FUEL (INCHES)	84.5
27	10720	TUBE - 1/2" X .040 WA COPPER (TYPE L)	2.5

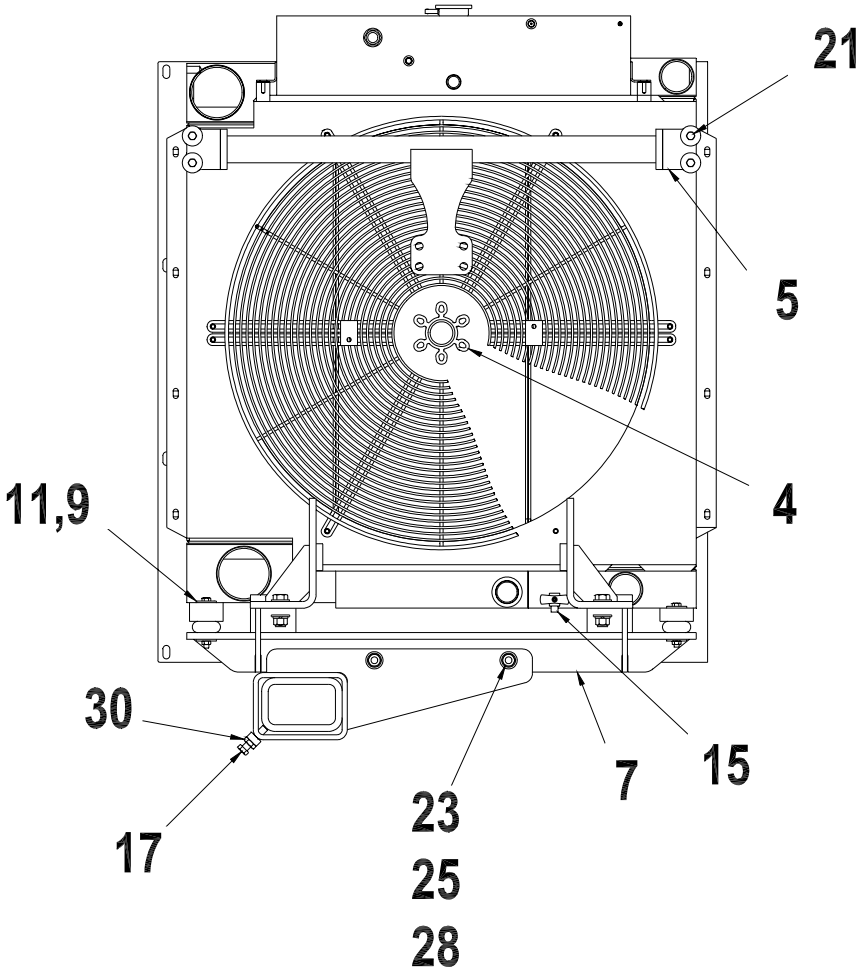
SB-2500C RADIATOR ASSEMBLY
(204109-01)





SB-2500C RADIATOR ASSEMBLY
(204109-01)

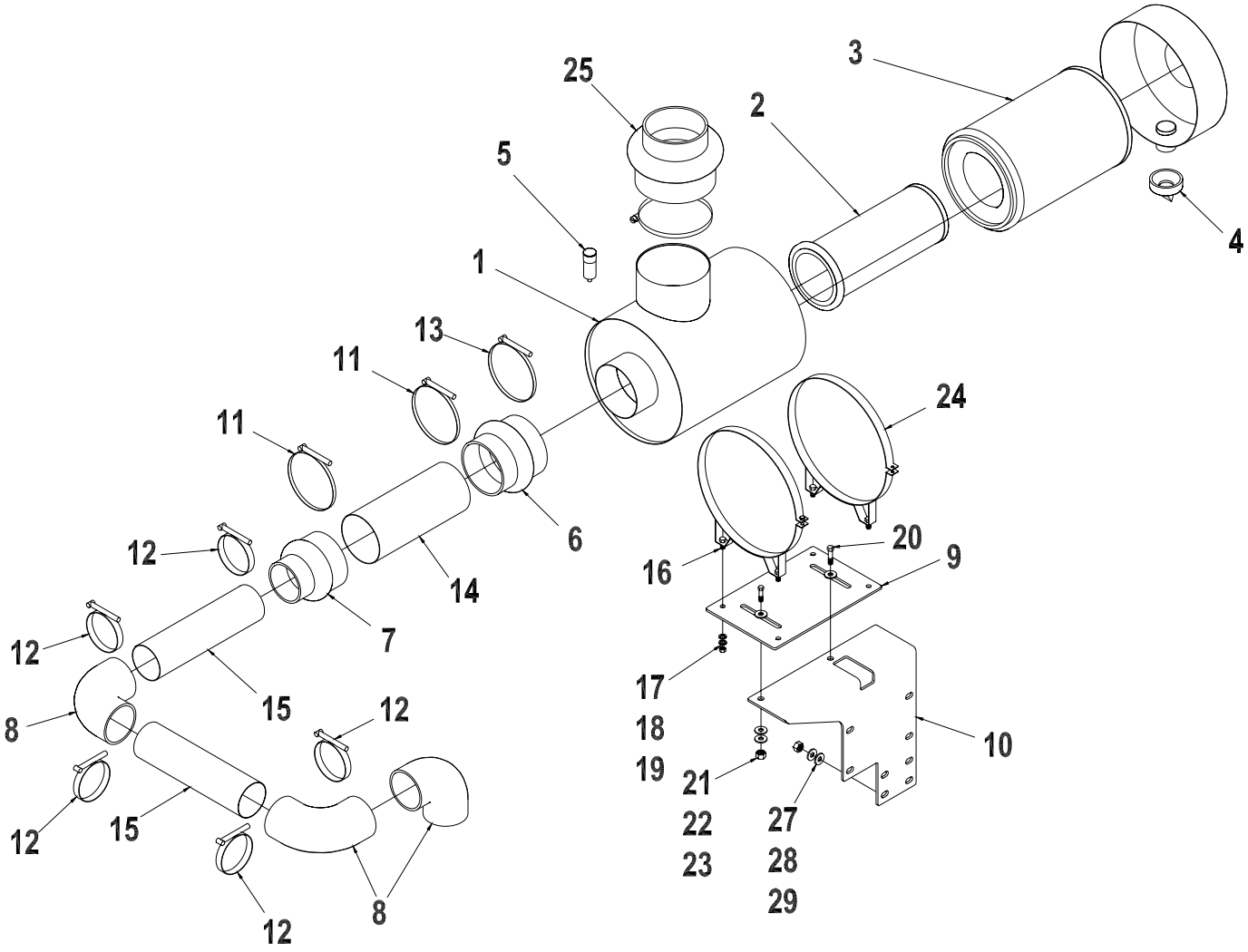
SECTION VIEW "A-A"



SB-2500C RADIATOR ASSEMBLY
(204109-01)

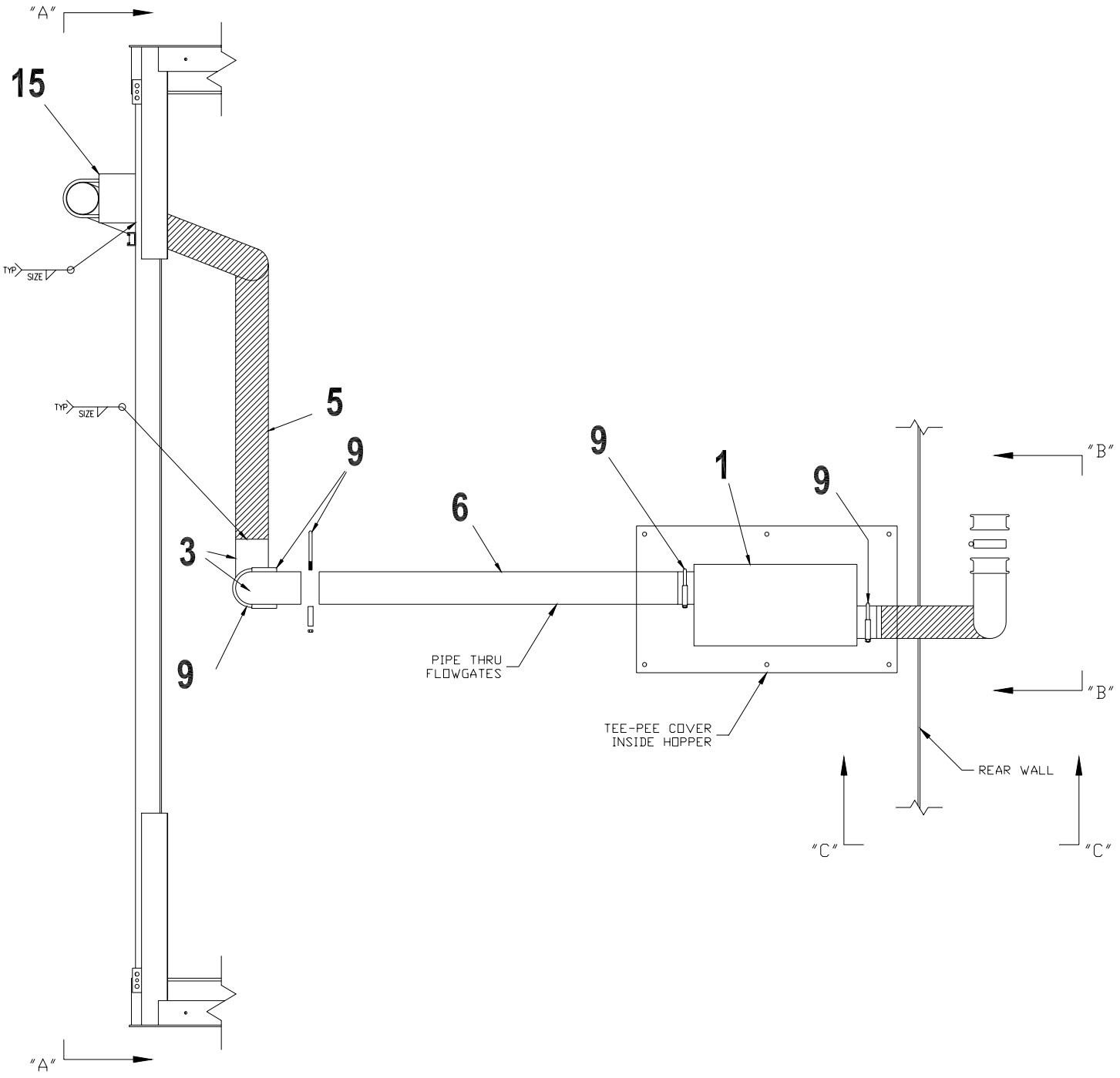
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202673-01	RADIATOR- TIER II	1
2	203544-03	FUEL COOLER - 2 PASS	1
3	202688-04	FAN - 30" DIA SUCTION	1
4	203240-03	FAN SPACER	1
5	203210-03	TOP SUPPORT EXTENSION	2
6	203213-03	WLDT - TOP SUPPORT	1
7	203214-02	WLDT - BOTTOM SUPPORT	1
8	203225-03	MOUNT - 3/8" BOLT (RUBBER)	4
9	203227-03	MOUNT - 1/2" BOLT (RUBBER)	4
10	203226-03	WASHER - RUBBER MOUNT (3/8" BOLT)	4
11	203228-03	WASHER - RUBBER MOUNT (1/2" BOLT)	4
12	203875-03	BRACKET - FUEL COOLER	2
13	203600-03	RADIATOR FRAME SUPPORT	1
14	128936	MOLDING - 5/8 BULB/1/8 EDGE/TOP MOUNT	152"
15	204390-04	VALVES - 1/2 NPT DRAINCOCK	1
16	95929	BOLT - 1/2-13 X 3 HEX GR8	4
17	26C56	BOLT - 1/2-13 X 2 1/4 HEX GR8	2
18	84674	BOLT - 1/2-13 X 2 HEX GR8	10
19	93144	BOLT - 1/2-13 X 1 1/2 HEX GR8	4
20	146095	BOLT - 3/8-16 X 5 1/2 HEX GR8	6
21	83924	BOLT - 3/8-16 X 1 1/2 HEX GR8	4
22	89988-04	BOLT - 1/4 - 20 X 3/4 HEX GR8	4
23	83781-04	FLAT WASHER - 1/2 STEEL	16
24	84444	FLAT WASHER - 14 STEEL	4
25	83317	LOCKWASHER - 1/2 SPRING STEEL	14
26	83056	LOCKWASHER - 3/8 SPRING STEEL	6
27	83065	LOCKWASHER - 1/4 SPRING STEEL	4
28	83288	HEX NUT - 1/2-13 GR8	14
29	89772	HEX NUT - 1/4-13 GR8	4
30	91324-04	JAM NUT - 1/2-13 GR8	2

ENGINE AIR INTAKE ASSEMBLY
(204212-01)

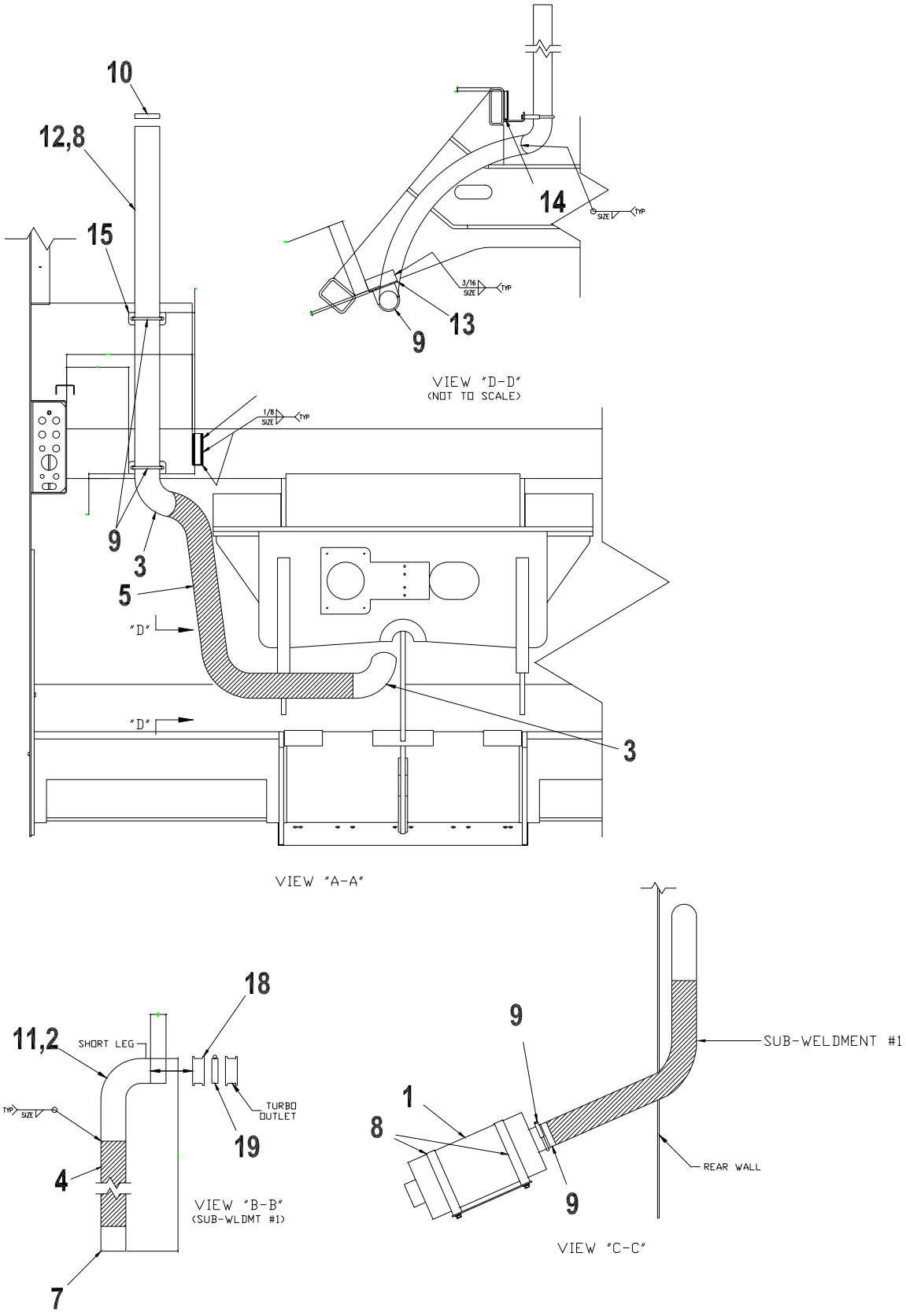


ENGINE AIR INTAKE ASSEMBLY
(204212-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203086-03	AIR CLEANER	1
2	203086-03-C1	INNER AIR FILTER	
3	203086-03-C2	OUTER AIR FILTER	
4	203086-03-C3	VACUATOR VALVE	
5	28R14	RESTRICTION INDICATOR	1
6	134235-04	HUMP REDUCER - 6" X 5 1/2"	1
7	28R42C2	HUMP REDUCER - 5 1/2" X 4"	1
8	93120	ELBOW - 4" ID RUBBER 90 DEG	3
9	140525-04	AIR CLEANER BASE	1
10	140513-01	AIR CLEANER BRACKET	1
11	95046	5 1/2" CLAMP	2
12	83129	4" T-BAR CLAMP	8
13	95047	6" T-BAR CLAMP	1
14	95044	TUBE - 5 1/2 X 16 GA WA X 13" LG	1
15	204232-04	FRESH AIR TUBE WLDMT.	1
16	84332	HEX BOLT - 3/8-16 GR8	5
17	83757	FLAT WASHER - 3/8 STEEL	5
18	83056	LOCKWASHER - 3/8 SPRING STEEL	5
19	83055	HEX NUT - 3/8-16 GR8	4
20	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	2
21	83781-04	FLAT WASHER - 1/2 STEEL	4
22	83317	LOCKWASHER - 1/2 SPRING STEEL	2
23	83288	HEX NUT - 1/2-13 GR8	2
24	203087-03	MOUNTING BAND	2
25	201416	HUMP REDUCER - 8" - 7"	1
26	OO930	TUBE - 4 X 16 GA WA X 2" LG	1
27	26F83	HARD WASHER - 5/8 STEEL	4
28	84717	LOCKWASHER - 5/8 SPRING STEEL	4
29	27D22	JAM NUT - 5/8	4


"A"
15
TYP
SIZE
TYP
SIZE
5
9
3
9
6
9
1
9
"B"
"B"
PIPE THRU
FLOWGATES
TEE-PEE COVER
INSIDE HOPPER
REAR WALL
"C"
"C"
"A"

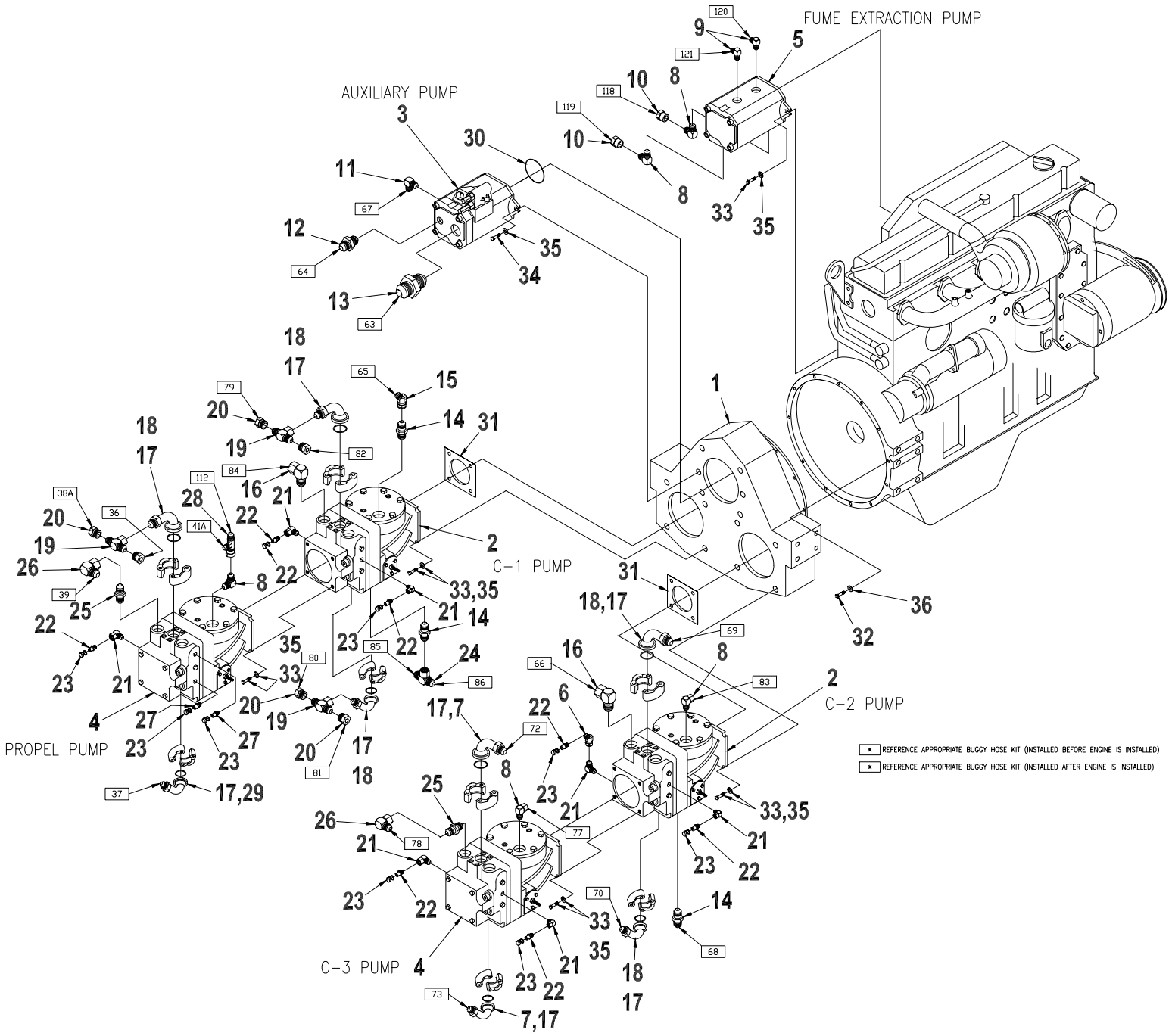
ENGINE EXHAUST ASSEMBLY
(204216-01)



ENGINE EXHAUST ASSEMBLY
(204216-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203265-03	MUFFLER - 10" - 15" ELLIPTICAL	1
2	93130	LONG ELBOW - 4" OD X 16 GA 90 DEG	1
3	29H38	SHORT ELBOW - 4" OD X 16 GA 90 DEG	3
4	10699	FLEX EXHAUST TUBE - 4" OD X 38" (SS)	1
5	10699	FLEX EXHAUST TUBE - 4" OD X 66" (SS)	1
6	OO930	TUBE - 4" OD X 16 GA X 56" (A-513)	1
7	OO930	TUBE - 4" OD X 16 GA X 4" (A-513)	1
8		EXHAUST - 10" MUFFLER CLAMP (NELSON)	2
9	93129	EXHAUST - 4" MUFFLER CLAMP	8
10	93128	EXHAUST - 4" RAIN CAP	1
11	201494-03	INSULATION - TURBO EXHAUST WRAP	1
12	201123-03	INSULATION - TAILPIPE EXHAUST WRAP	1
13	121908-04	BRACKET - MUFFLER ANGLE	1
14	201406-04	BRACKET - TAILPIPE ANGLE	1
15	201556-04	BRACKET - UPPER TAILPIPE ANGLE	1
16	11K78	ANCHOR CHANNEL X 5" LG	1
17	OO890	FL BAR - 1/8 X 1 1/2 X 3/4" LG (A36)	1
18	PURCHASED	EXHAUST - V-FLANGE (SUPPLIED W/ ENGINE)	REF
19	PURCHASED	TURBO V-CLAMP (SUPPLIED W/ ENGINE)	REF

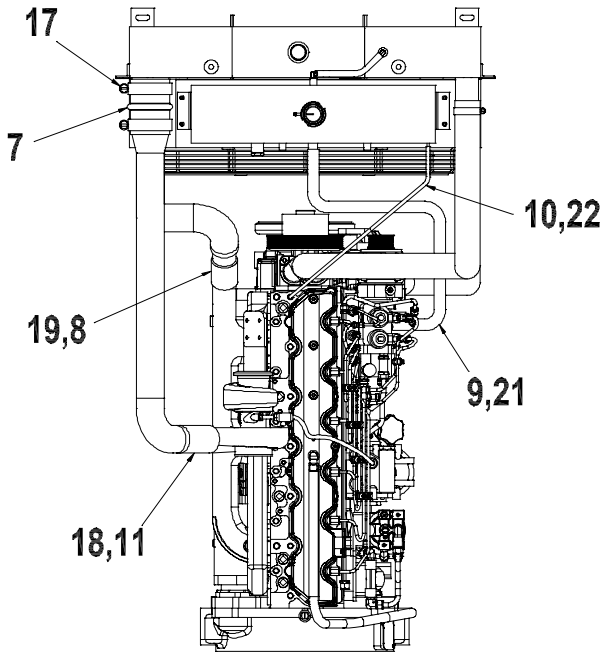
ENGINE PUMPS ASSEMBLY
(147059-01)

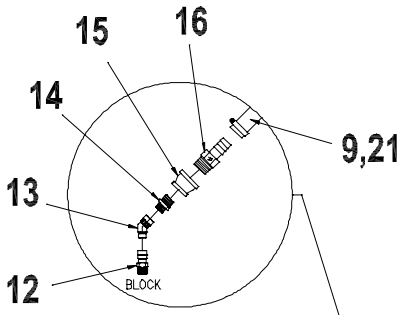


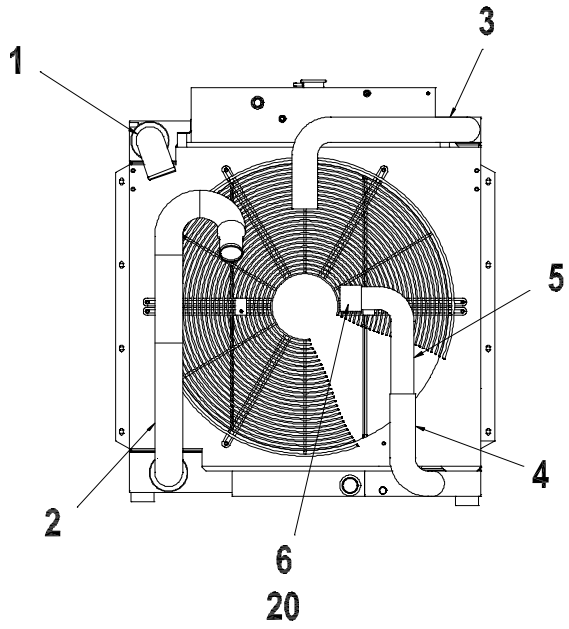
ENGINE PUMPS ASSEMBLY
(147059-01)

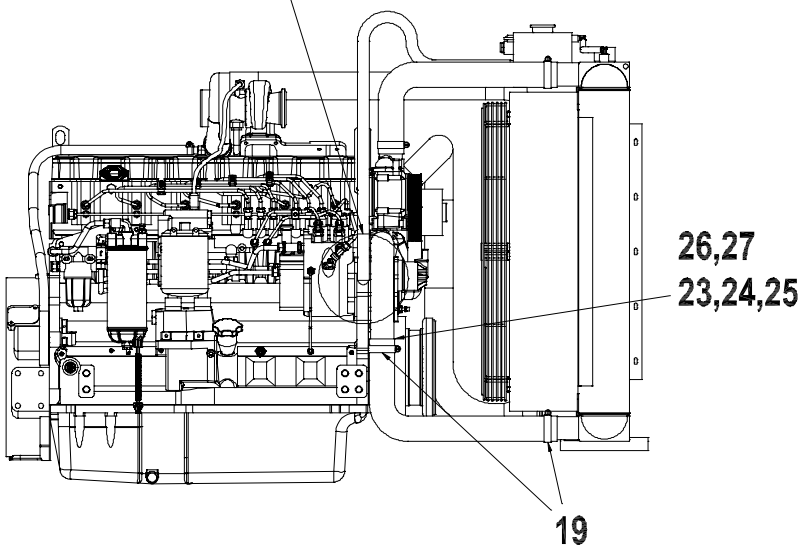
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	144422-01	TRANS- PUMP DRIVE 3 PAD W/SPEED UP	1
2	99814	PUMP - SUNSTRAND 90/100 (C-1 & C-2)	2
3	128178-04	PUMP - AUX REXROTH AA10V45	1
4	29J94	PUMP - SUNSTRAND 90/75 (C-3 & DRIVE)	2
5	137454-04	PUMP - TANDEM CASAPPA PLP 1.27 CID (FUME-X)	1
6	90768-04	FIT - 6 JIC 45 DEG. SWIVEL	1
7	92775	FIT - 16 JIC X 16 FLG 90 DEG. CODE 62	2
8	91664-04	FIT - 12 SAE X 12 JIC 90 DEG	3
9	123831	FIT - 10 SAE X 8 JIC 90 DEG	2
10	96597	FIT - 12X16 JIC ADAPTER	2
11	97551	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 ST	1
14	83457-04	FIT - 12 SAE X 12 JIC ST	2
15	90952-04	FIT - 12 JIC SW 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	5
19	99556	FIT - 20 JIC SW BRANCH TEE	3
20	83958-04	FIT - 20 JIC X 12 JIC 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	89898-04	FIT - 12 JIC BRANCH TEE	1
25	89610	FIT - 16 SAE X 16 JIC ST	2
26	84654-04	FIT - 16 JIC SW 90 DEG	2
27	85946-04	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	123041-04-C2	KIT - O-RING	1
31	130086-C1	FIT - GASKET FOR AUSCO BRAKE	2
32	96476	HEX BOLT - 3/8-16 X 1 1/4 GR8	12
33	93114	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	O5707	CONICAL WASHER - 1/2	20
36	85148	LOCKWASHER - 3/8 SPRING STEEL	12

CHARGE AIR / RADIATOR HOSE ASSEMBLY
(204156-01)







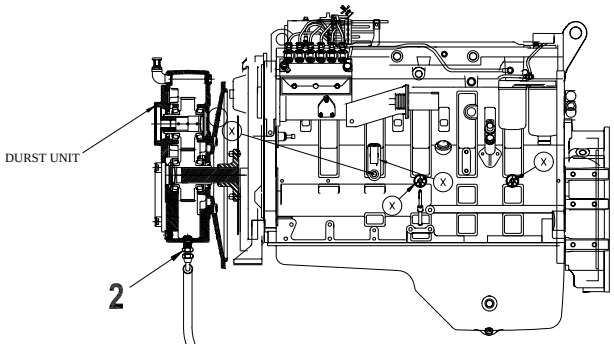


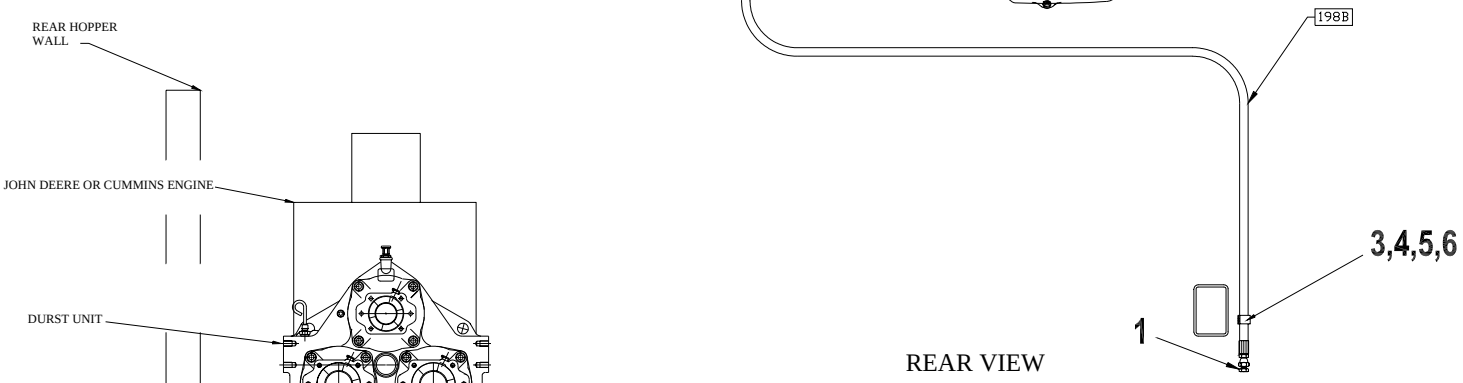
CHARGE AIR / RADIATOR HOSE ASSEMBLY
(204156-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204153-03	UPPER CHARGE AIR TUBE	1
2	204151-03	LOWER CHARGE AIR TUBE	1
3	10287	UPPER RADIATOR HOSE (2 1/2" X 40 1/2")	1
4	120324	LOWER RADIATOR HOSE (2 1/2" X 28")	1
5	204973-04	WATER INLET CONNECTOR	1
6	10286	RADIATOR HOSE (2" X 2")	1
7	142436	4" FLEX CONNECTOR	2
8	10714	3" ID HI-TEMP HOSE X 3'	1
9	96355	RADIATOR HOSE (1" X 35")	1
10	136019-04	FUEL/WATER HOSE (1/2" X 31")	1
11	10710	2 1/2" ID HI-TEMP HOSE X 3" (4 PLY)	1
12	83468-04	FIT - 1/2 NPT X 8 JIC SW STRAIGHT	
13	85218-04	FIT - 8 JIC SW 45 DEG.	
14	83962-04	FIT - 8 JIC MALE X 3/4 NPT MALE	
15	80247	FIT - 3/4 NPT X 1 BELL REDUCER	
16	92512	1" HOSE BARB	
17	133591	CLAMP - 4 1/2" CONSTANT TORQUE	4
18	90085-04	CLAMP - 3 1/2" CONSTANT TORQUE	2
19	86003-04	CLAMP - 3" CONSTANT TORQUE	6
20	122629	CLAMP - 2" CONSTANT TORQUE	2
21	23H31	CLAMP - 1 1/2" HOSE	2
22	94904	CLAMP - 1/4" HOSE	2
23	142247-04	LOWER RADIATOR HOSE BRACKET	1
24	99965	CLAMP - 2" RUBBERIZED TUBE	1
25	89773	HEX BOLT - 1/4-20 X 1 GR8	1
26	84444	FLAT WASHER - 1/4 STEEL	2
27	121839	LOCKNUT - 1/4-20	1

DURST OIL DRAIN ASSEMBLY

(142903-01)





REAR VIEW

SIDE VIEW

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

DURST OIL DRAIN ASSEMBLY
(142903-01)

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	1
3	89772	HEX NUT - 1/4-20	1
4	83056	LOCKWASHER - 1/4	1
5	84444	FLAT WASHER - 1/4	1
6	95966	CLAMP - 3/4 CUSHION W/ 1/2 BOLT HOLE	1
7	83905-04	WIRE TIE - 1/4" X 1/4" X 14" NYLON	4
8	142805-04	GEAR DRIVE DRAIN TAG	1

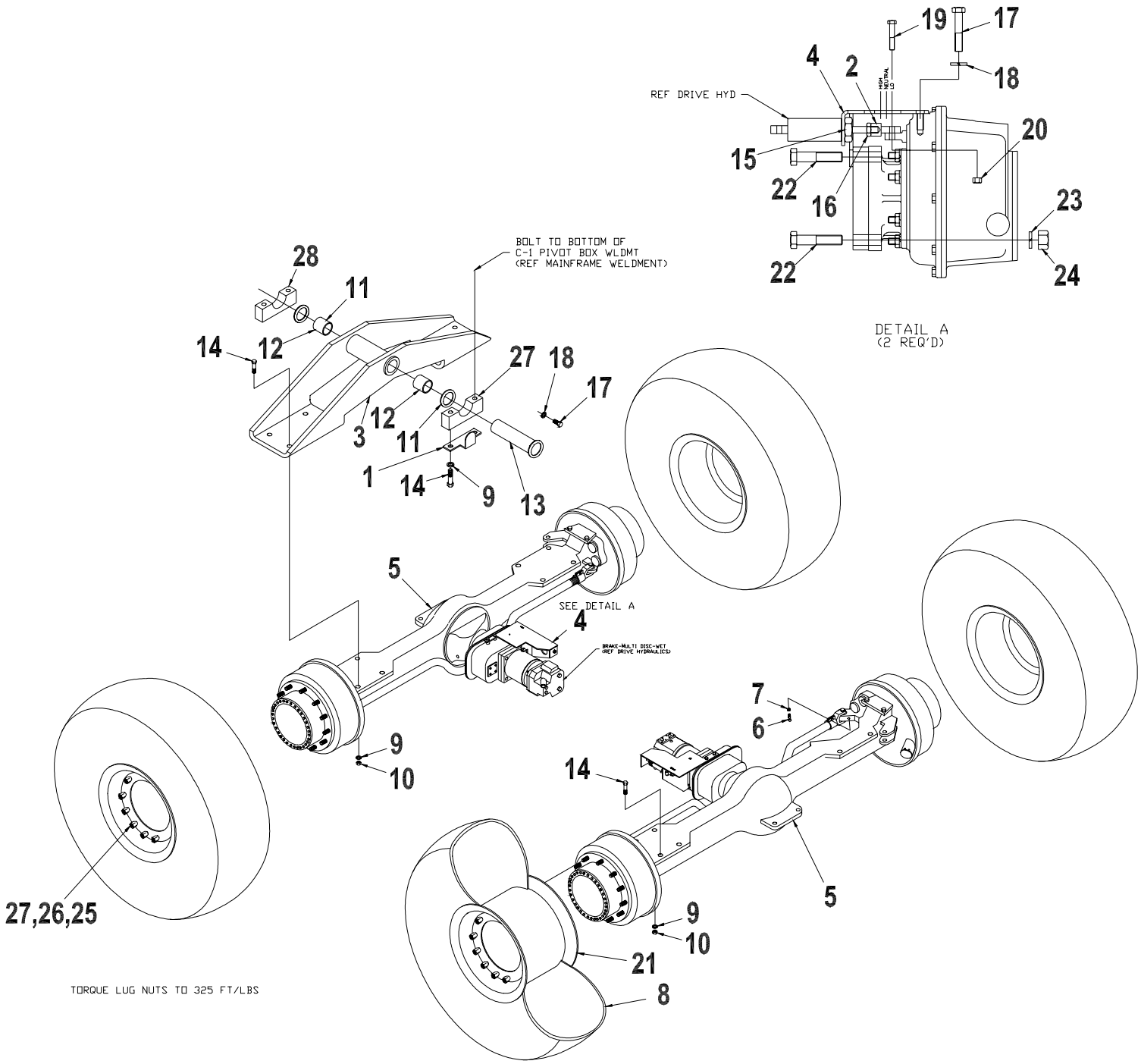
SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	203997-01	672 & UP	2.1
FUEL TANK & WASHDOWN	203975-01		2.3
MAINFRAME	205712-01	694 & UP	2.5
MIRROR	202080-01	640 & UP	2.9
DECAL KIT	201632-01		2.11
OPERATOR'S STATION	203304-01		2.15
PLATFORM & HANDRAILS	203811-01		2.17
WARNING BEACON	200758-03		2.19

ROADTEC
an Astec company

SB-2500C FRONT & REAR AXLE ASSEMBLY

(203997-01)

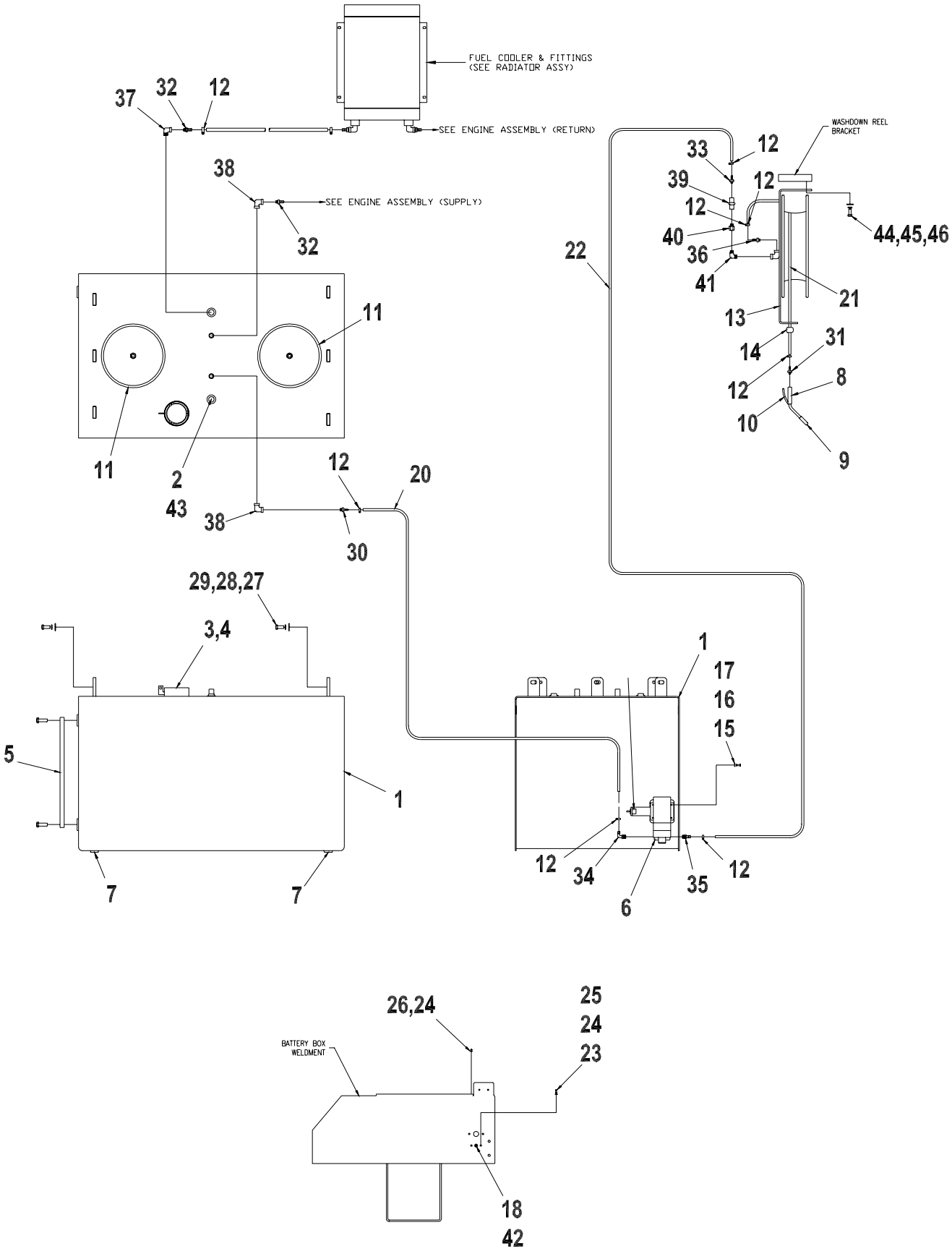


SB-2500C FRONT & REAR AXLE ASSEMBLY
(203997-01)

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	1
4	147494-01	SPEED SHIFT BRACKET	2
5	140265-04	AXLE ASSEMBLY (WITH TIE RODS)	2
6	130422	SCREW - 26 MM X 124 MM SET	2
7	130422-C1	JAM NUT - 7/8-14	2
8	124467	TIRE - 21.00-25 X 28 PLY (GOODYEAR)	4
9	83427	LOCKWASHER - 1" SPRING STEEL	20
10	98453	HEX NUT - 1-8 GR8	16
11	120891-04	BRONZE SPACER	2
12	29M85	DURALON BUSHING	2
13	149999-03	FRONT AXLE TRUNION PIN	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	LOCKWASHER - 5/8" SPRING STEEL	4
19	83924	HEX BOLT - 3/8-16 X 1 1/2 GR8	2
20	92235	LOCKNUT - 3/8-16 GR8	2
21	141499-03-A11	TIRE & RIM ASSEMBLY FOR SB-2500C/XL	4
22	141568	SCREW - 3/4-10 X 3 1/2 LG S.H.C.S.	8
23	83752-04	LOCKWASHER - 3/4 SPRING STEEL	8
24	84071-04	HEX NUT - 3/4-10 GR8	8
25	83883-04	HEX NUT - 7/8-14 GR8	48
26	203998-04	HARD WASHER - 7/8	48
27	88960	FLUID LOCTITE # 242	.25
28	200190-04	AXLE PIVOT BLOCK (2PC) REF 601 FAB CODE	REF

FUEL TANK & WASHDOWN ASSEMBLY

(203975-01)

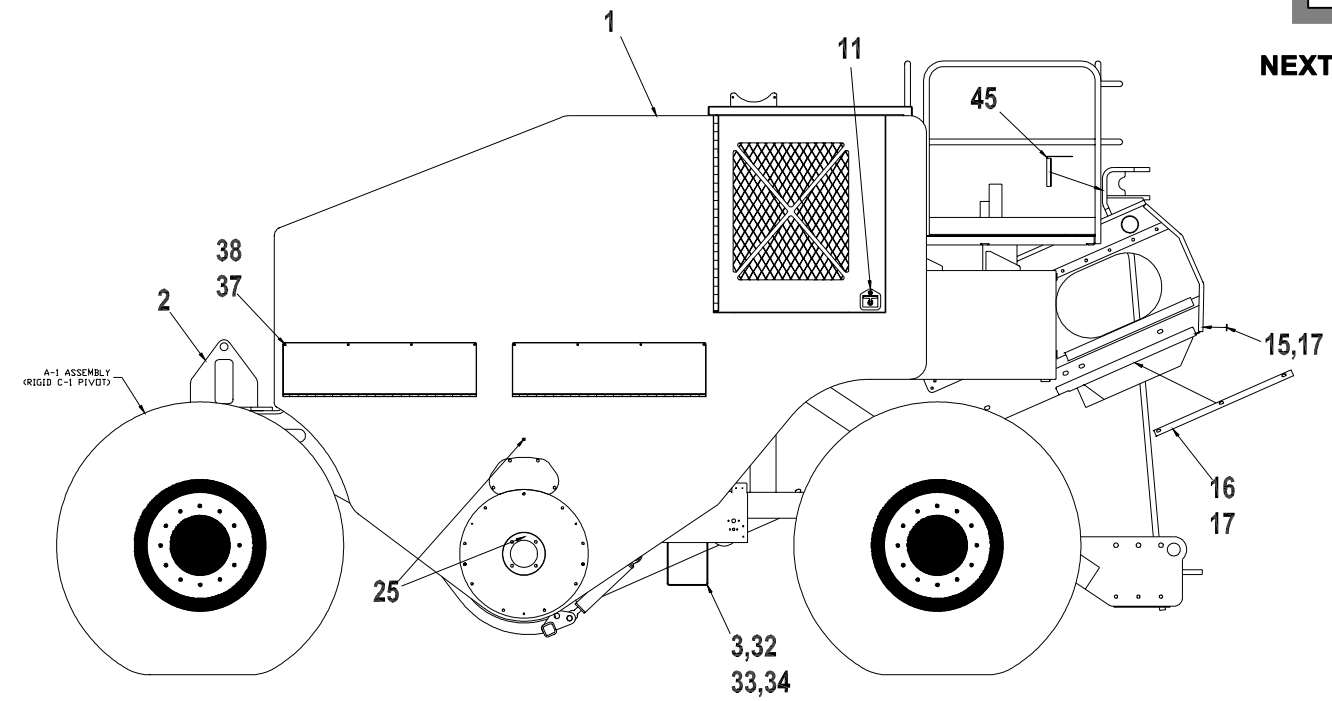


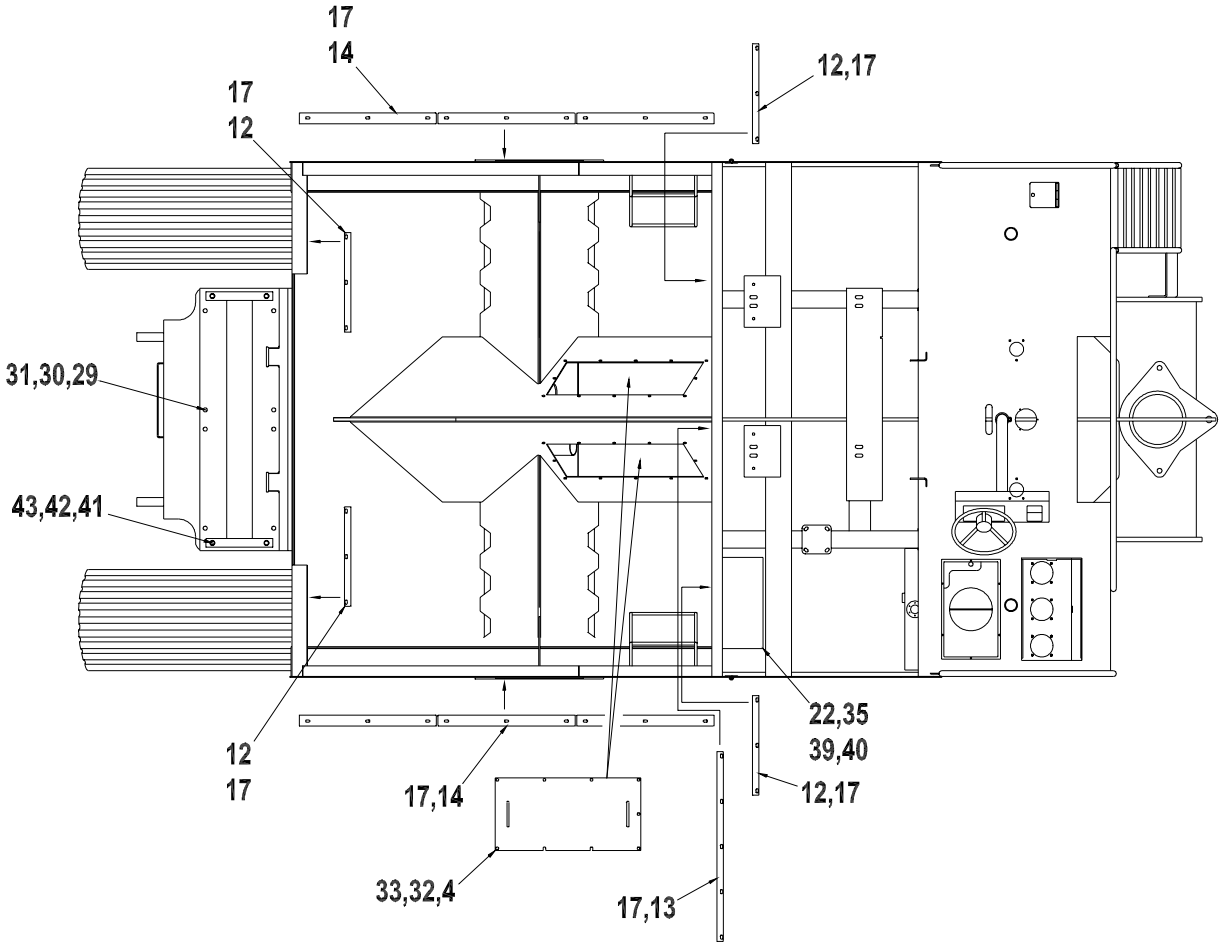
FUEL TANK & WASHDOWN ASSEMBLY
(203975-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203974-01	FUEL TANK	1
2	27X25	FUEL TANK VENT	1
3	98027	TANK CAP	1
4	803546	TANK STRAINER	1
5	29L61	SIGHT GAUGE GLASS	1
6	148819-04	FLOWJET PUMP - BUNA DIAPHRAM	1
7	97032	PIPE PLUG - 3/4 NPT HEX HD	2
8	128844	WAND	1
9	128843	NOZZLE	1
10	128842	HAND SHUTOFF	1
11	134983-04	RESERVOIR COVER	2
12	45228	CLAMP - 3/8 HOSE	8
13	131616-04	KIT - COXREEL #131 CHECK BALL	1
14	145619-04	RUBBER - STOP	1
15	89988-04	HEX BOLT - 1/4-20 X 3/4 GR8	4
16	83065	LOCKWASHER - 1/4 SPRING STEEL	4
17	84444	FLAT WASHER - 1/4 STEEL	4
18	90930-04	ELEC - 40 AMP BREAKER	1
19	13E68	TOGGLE SWITCH	1
20	80132-04	HOSE - 3/8 FUEL	100"
21	80132-04	HOSE - 3/8 FUEL	600"
22	80132-04	HOSE - 3/8 FUEL	70"
23	91207-04	SLOTTED HD. SCREW - 10-32 X 1 1/4	2
24	92552	FLAT WASHER - #10	4
25	90103	LOCKWASHER - #10	2
26	90102	HEX NUT - 10-32	2
27	86164	HEX BOLT - 1/2-13 X 1 1/4 GR8	6
28	83317	LOCKWASHER - 1/2 SPRING STEEL	6
29	83781-04	FLAT WASHER - 1/2 STEEL	6
30	91594	BARB - 1/2 NPT - 3/8 HOSE	1
31	80553-04	BARB - 1/8 NPT - 3/8 HOSE	1
32	136028-04	BARB - 1/2 NPT - 1/2 HOSE	2
33	80349-04	BARB - 1/4 NPT - 3/8 HOSE	1
34	201214-04	BARB - 3/8 NPT - 3/8 HOSE 90 DEG. (BRASS)	1
35	80187	BARB - 3/8 NPT - 3/8 HOSE (BRASS)	1
36	80187	BARB - 3/8 NPT - 3/8 HOSE	1
37	138868-04	FIT - 1/2 NPT 90 DEG. ST ELL	1
38	205698-04	FIT - 1/2 NPT FM 90 DEG. STEEL	2
39	89010-04	VALVE - 1/4 NPT 2-WAY BALL	1
40	86622-04	FIT - 6 JIC X 1/4 NPT SW CONN	1
41	85466-04	FIT - 6 JIC X 3/8 NPT 90 DEG.	1
42	80645-04	ELEC - CGB 193 CONNECTOR 1/2"	1
43	89608	FIT - 1/2 NPT X 1/4 NPT REDUCING BUSHING	1
44	84332	HEX BOLT - 3/8-16 X 1" GR8	4
45	83056	LOCKWASHER - 3/8 SPRING STEEL	4
46	83757	FLAT WASHER - 3/8 STEEL	4
47	136019-04	HOSE - 1/2" FUEL (INCHES)	66.0

MAINFRAME ASSEMBLY
(205712-01)

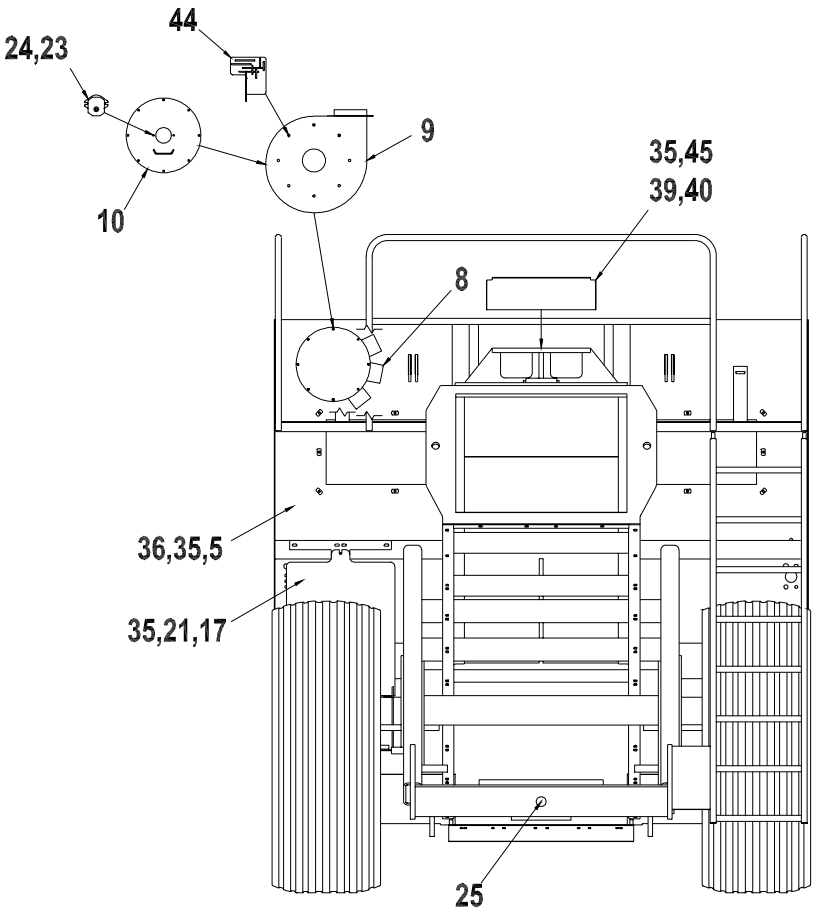
NEXT PAGE

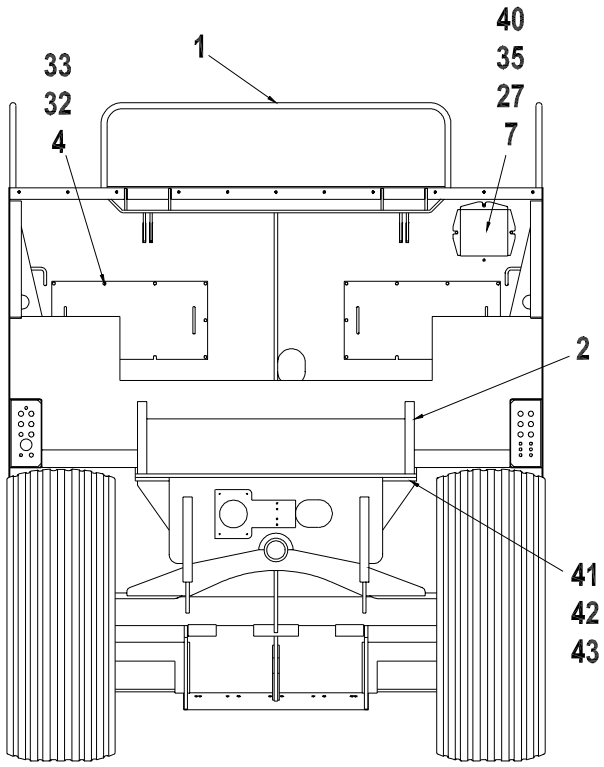




MAINFRAME ASSEMBLY
(205712-01)

PREVIOUS PAGE





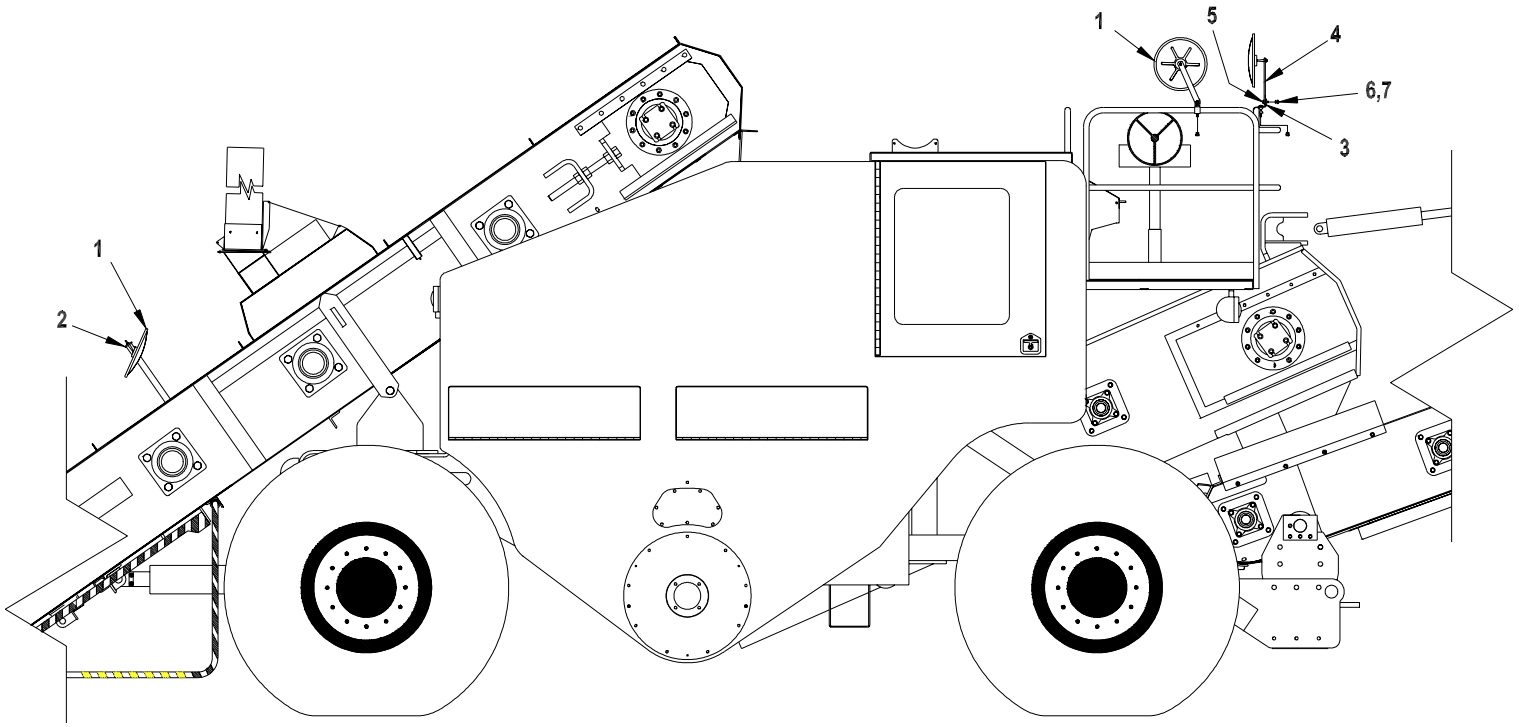
MAINFRAME ASSEMBLY
(205712-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	205711-01	MAINFRAME	1
2	200195-01	STANDARD C-1 PIVOT	1
3	200183-01	BATTERY BOX	1
4	133318-01	ACCESS COVER	4
5	200795-01	REAR WALL INSULATION	1
6	203794-04	HORN BRACKET	2
7	146685-02	C-2 SUCTION COVER	1
8	129095-01	BLOWER SHROUD	1
9	146487-03	BLOWER HOUSING	1
10	200203-03	FUME-X MOTOR MOUNT	1
11	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEYS	2
12	146569-03	CLAMP BAR - C-2 HOPPER	4
13	200146-03	CLAMP BAR - C-2 HOPPER CENTER	1
14	204707-03	CLAMP BAR- UNIVERSAL	6
15	148179-03	CLAMP BAR - C-2 DISCHARGE REAR	1
16	147387-03	CLAMP BAR - C-2 DISCHARGE SIDE	2
17	89987-04	BOLT- 3/8 - 16 X 1 WING	46
18	147462-04	INSULATION - 1" ID HOSE SLEEVE	210"
19	147463-04	INSULATION - 1 1/2" ID HOSE SLEEVE	450"
20	148915-04	INSULATION - 2 1/2" ID HOSE SLEEVE	420"
21	201150-03	VALVE COVER	1
22	200626-03	BATTERY BOX LID	1
23	134229-04	MOTOR - HYD. 1.03 CID (FUME-X)	1
24	130665-04	BUSHING AND KEY	1
25	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
26	83657-04	1/8 X 8 NYLON WIRE TIE	150
27	96476	HEX BOLT- 3/8-16 X 1 1/4 GR8	4
28	83905-04	1/4 X 14 NYLON WIRE TIE	150
29	95930	HEX BOLT- 3/4-10 X 2 3/4 GR8	8
30	83133	FLAT WASHER - 3/4 STEEL	8
31	88164	LOCKNUT - 3/4-10 GR8	8
32	86164	HEX BOLT- 1/2-13 X 1 1/4 GR8	44
33	83317	LOCKWASHER - 1/2 SPRING STEEL	44
34	83781-04	FLAT WASHER - 1/2 STEEL	4
35	83757	FLAT WASHER - 3/8 STEEL	37
36	92235	LOCKNUT - 3/8-16 GR8	26
37	89988-04	HEX BOLT - 1/4 - 20 X 3/4 GR8	16
38	83065	LOCKWASHER - 1/4 SPRING STEEL	16
39	84332	HEX BOLT -3/8 -16 X 1 GR8	6
40	83056	LOCKWASHER - 3/8 SPRING STEEL	10
41	14S13	HEX BOLT - 1 -8 X 3 1/2 GR8	4
42	83427	LOCKWASHER - 1" SPRING STEEL	4
43	10S89	WASHER - 1" HARD STEEL	4
44	145216-02	LIMIT SWITCH BRACKET	1
45	201251-03	C-3 PIVOT GUARD	1
46	136925	HOSE BARB - 3/4" NPT X 3/4" HOSE	1
47	91321-04	HOSE - 3/4" WATER	96"
48	23H31	CLAMP 1 1/2" HOSE	1
49	205446-01	CANVAS - OPERATORS ACCESS (NOT SHOWN)	1
50	144258-01L	CANVAS - L.H. C-2 HOPPER SIDE (NOT SHOWN)	1

MAINFRAME ASSEMBLY
(205712-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	144258-01R	CANVAS - R.H. C-2 HOPPER SIDE (NOT SHOWN)	1

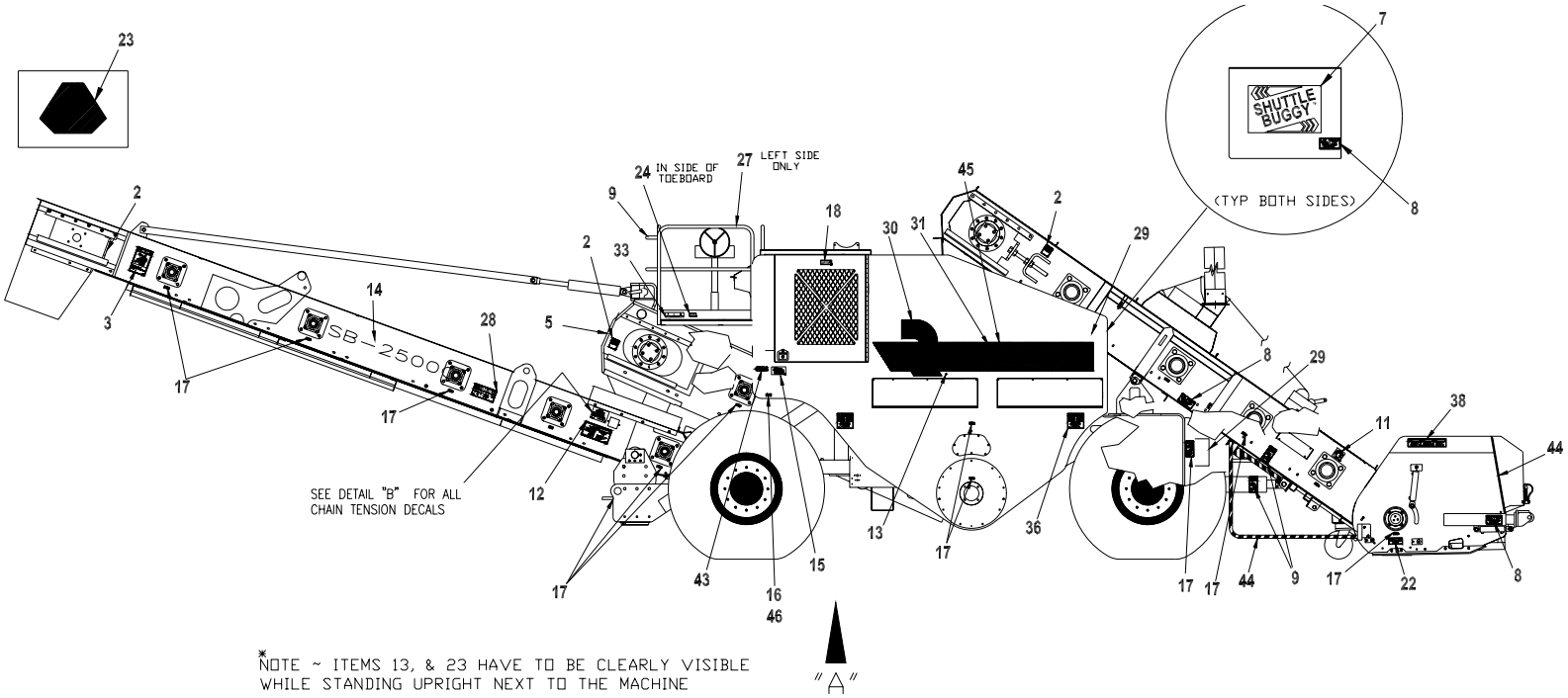
SB-2500C MIRROR ASSEMBLY
(202080-01)



SB-2500C MIRROR ASSEMBLY
(202080-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	133459-04	12" ROUND MIRROR	6
2	201210-03	MIRROR MOUNT BRACKET	2
3	87339-C4	KIT - 1" CLAMP	4
4	133460-04	MIRROR MOUNTING ARM	4
5	84332	HEX BOLT - 3/8-16 X 1 GR8	4
6	83056	LOCKWASHER - 3/8 SPRING STEEL	4
7	83055	HEX NUT - 3/8-16 GR8	4

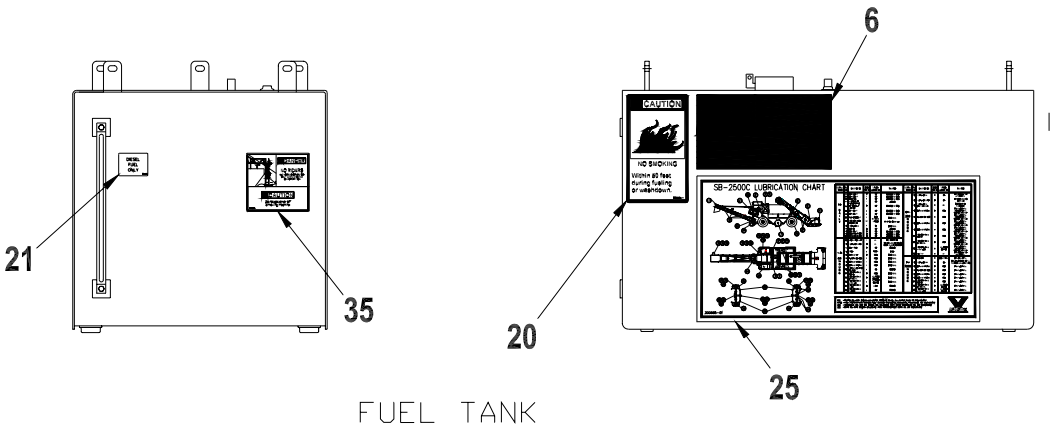
SB-2500C DECAL KIT
(201632-01)



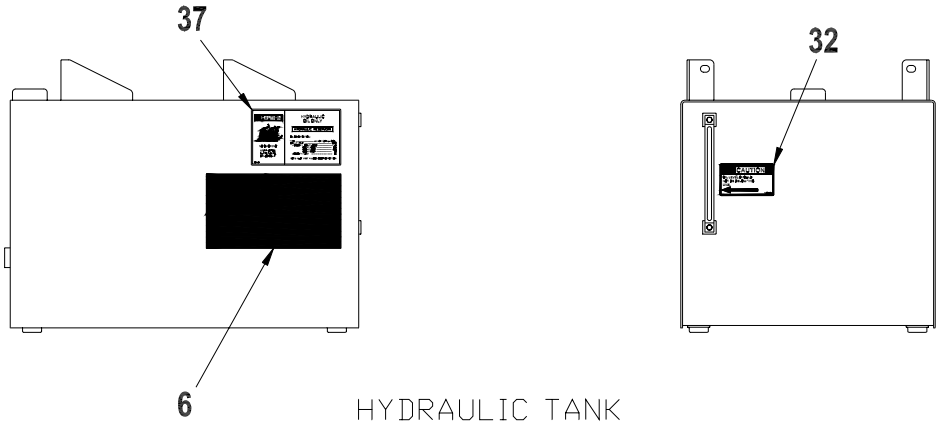
*NOTE ~ ITEMS 13, & 23 HAVE TO BE CLEARLY VISIBLE WHILE STANDING UPRIGHT NEXT TO THE MACHINE

SHOP NOTES:
-ALL DECALS MUST BE APPLIED SO THAT EACH ONE IS CLEARLY VISIBLE
-ITEM 17 TO BE PLACED AT EACH GREASE FITTING OTHER THAN THOSE ON AXLES
-BLACK PAINT TO BE APPLIED TO THE FOLLOWING:
C-1 FRONT END
PLATFORM
ALL HANDRAILS
HOOD
PUSH ROLLER
LADDER

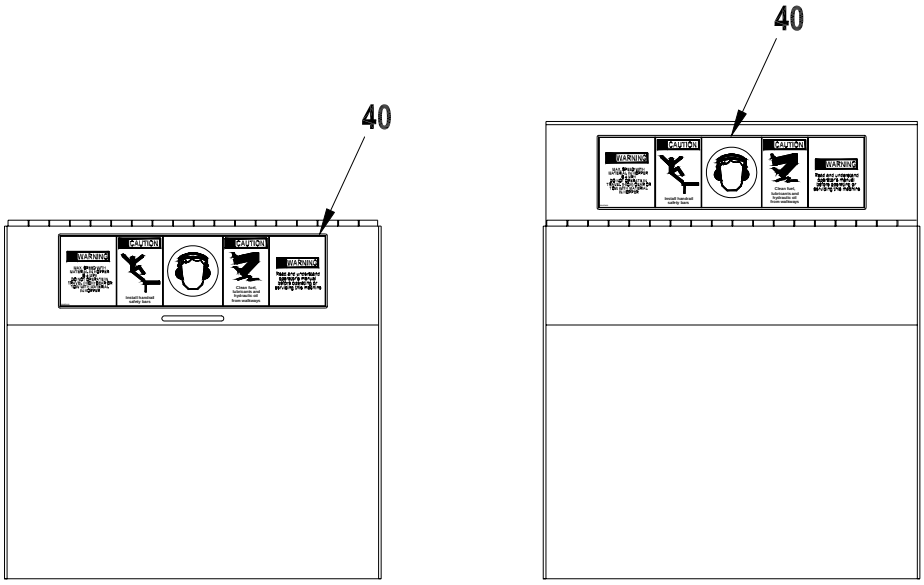
VENDOR NOTES:
-KIT TO BE ARRANGED SEQUENTIALLY BY ITEM NUMBER IN BILL
-INCLUDE (1) COPY OF THIS PRINT IN EACH KIT
-ITEMS 41 THRU 45 ARE NOT TO BE INCLUDED IN KIT



FUEL TANK



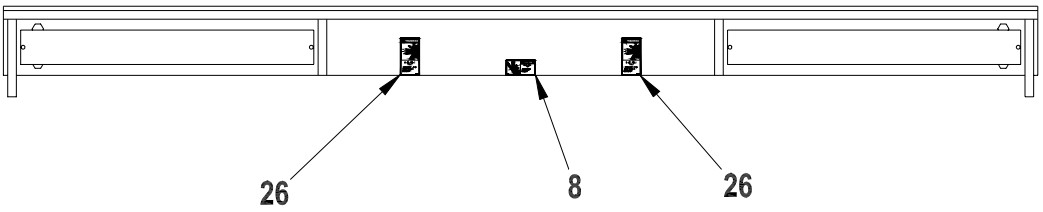
HYDRAULIC TANK



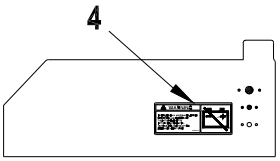
OUTSIDE OF LID

INSIDE OF LID

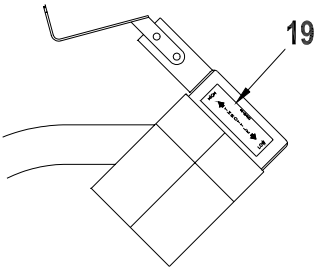
CENTER CONSOLE



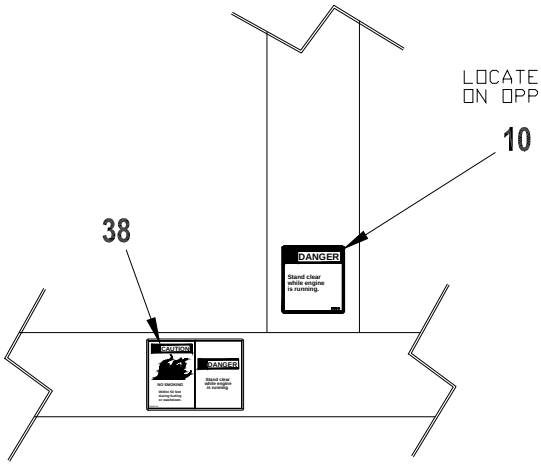
HYDRAULIC PUSH ROLLER



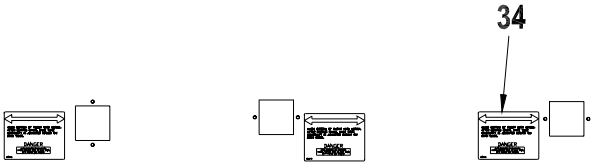
BATTERY BOX



OPERATOR'S CONSOLE PANEL



(VIEW "A")



C-1 C-2 C-3

TYP

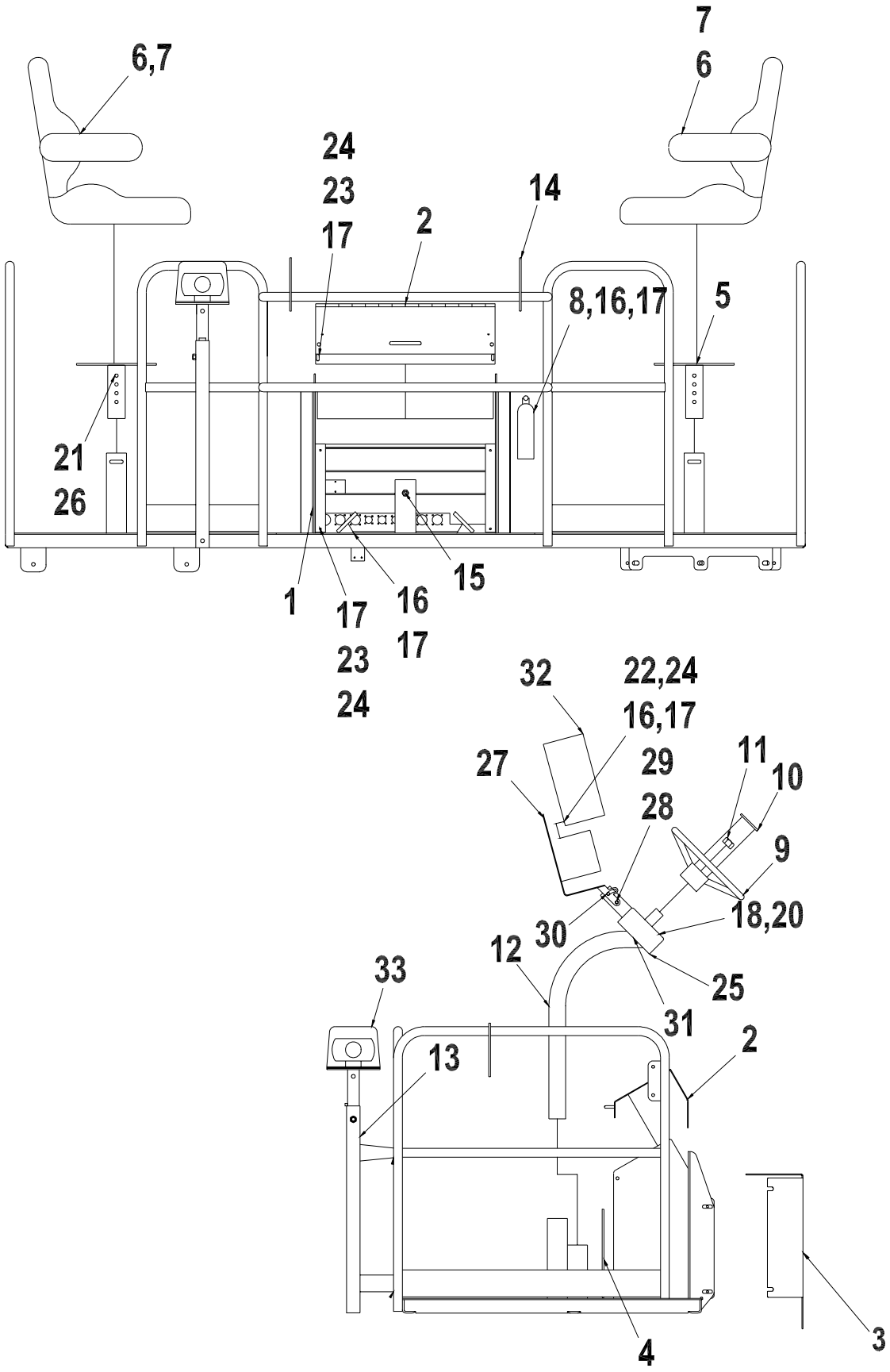
CHAIN TENSION DECAL (ITEM 34) PLACEMENT

SB-2500C DECAL KIT
(201632-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213236-02	DECAL - HAND PUMP INSTRUCTIONS	1
2	92819-04	DECAL - CONVEYOR ADJUSTMENT	6
3	148724-04	DECAL - WARNING CONVEYOR DISCHARGE	2
4	141326-03	DECAL - BATTERY WARNING	1
5	92801-04	DECAL - WARNING DISCHARGE AREA	2
6	95906-03	DECAL - AMERICAN FLAG - 8 1/4 X 15	2
7	95875-02	DECAL - SHUTTLE BUGGY (BLUE)	2
8	92803-04	DECAL - PINCH POINT AREA	7
9	92797-04	DECAL - SET SAFETY BARS	4
10	92820-04	DECAL - STAND CLEAR	1
11	139456-04	DECAL - EAR PROTECTION	2
12	92794-04	DECAL - DANGER PINCH POINT (BIG)	2
13	131841-04	DECAL - CIRCLED BLUE "R" (3/4 HIGH)	2
14	200864-04	DECAL - SB-2500 (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)	26
18	89725-04	DECAL - WATER (REPL. 92705-04)	1
19	121478-04	DECAL - HIGH/LOW THROTTLE	1
20	92800-04-1	DECAL - CAUTION NO SMOKING	1
21	95885-04	DECAL - DIESEL FUEL ONLY	1
22	97602-04	DECAL - CAUTION PINCH POINT AREA	2
23	89716-04	DECAL - SLOW MOVING SAFETY	1
24	89715-04	DECAL - FUEL	1
25	200685-01	DECAL - SB-2500 LUBE CHART	1
26	93192-04	DECAL - PINCH POINT	4
27	122129-04	DECAL - FIRE EXTINGUISHER	1
28	124670-04	DECAL - DON'T USE CONV. AS LIFTING BOOM	2
29	122285-04	DECAL - C1 JUNCTION BOX	1
30	141104-04	DECAL - "R" - 24 INCH RED	2
31	141105-04	DECAL - BLUE STRIPE - 92 IN. LG	2
32	148231-03	DECAL - CAUTION 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	201475-03	DECAL - TIRE PRESSURE	4
37	201476-03	DECAL - FUEL TANK	1
38	201477-03	DECAL - WASHDOWN	1
39	201478-03	DECAL - DUMP HOPPER	2
40	201479-03	DECAL - CENTER CONSOLE	2
41	201234-01	DECAL - VALVE LABELS	REF
42	201235-01	DECAL - VALVE LABELS	REF
43	92870-04	DECAL - SERIAL NUMBER ID. PLATE	REF
44	129611	DECAL - BLACK & YELLOW CAUTION TAPE	REF
45	143063	DECAL - 1" YELLOW STRIPING	REF
46	202078	DECAL - ON/OFF	1
47			
48			
49			
50			

OPERATOR'S STATION ASSEMBLY

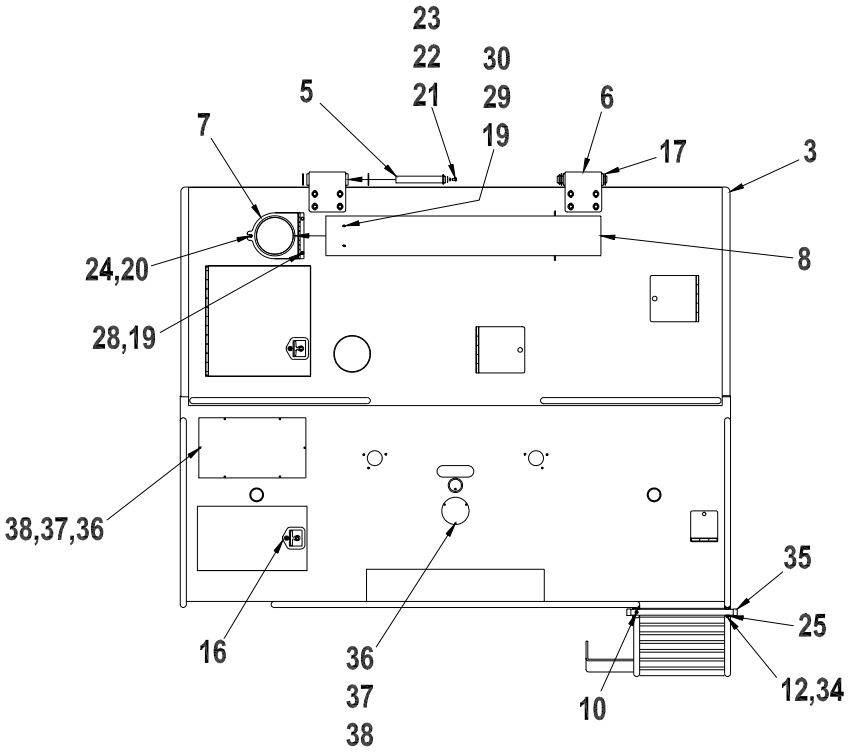
(203304-01)

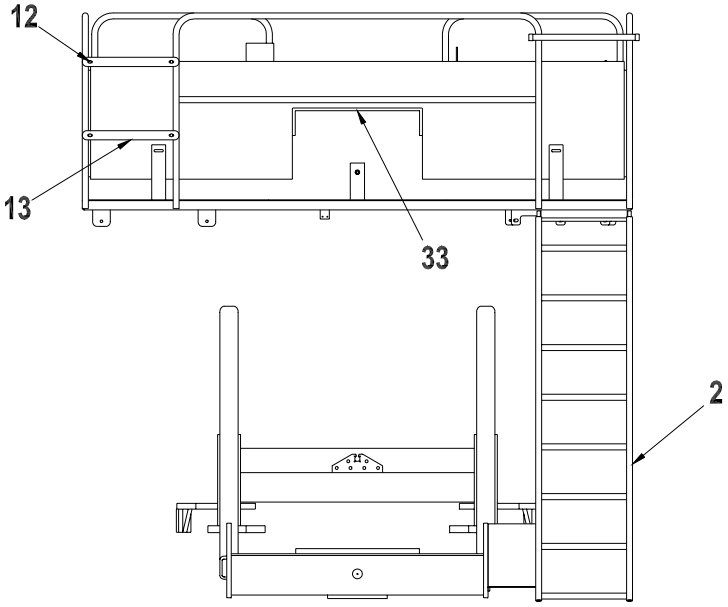


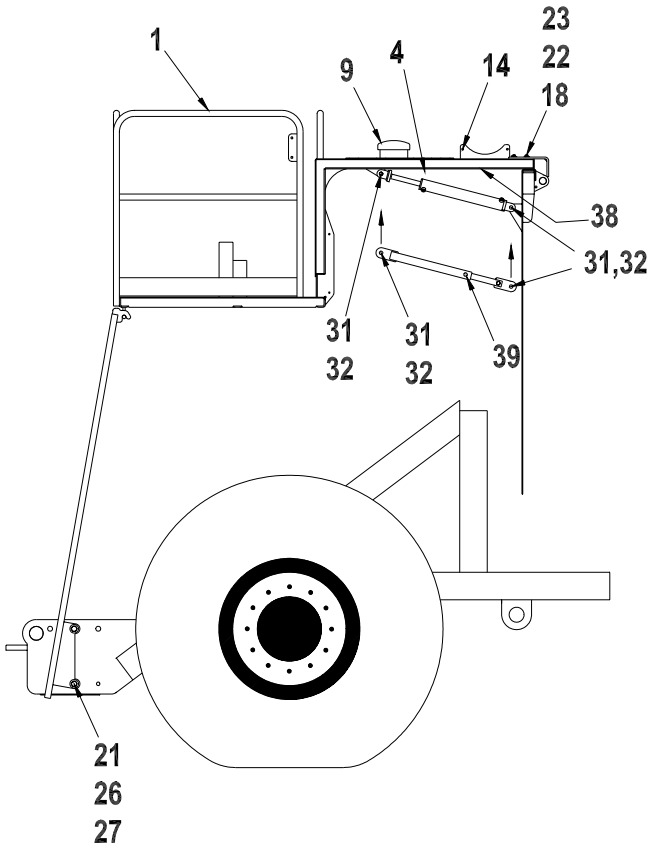
OPERATOR'S STATION ASSEMBLY
(203304-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203305-01	CENTER CONSOLE WELDMENT	1
2	146496-01	VANDAL COVER	1
3	205032-03	REAR CONSOLE COVER	1
4	203310-03	CENTER CONSOLE FRONT COVER	1
5	128095-02	SEAT BASE	2
6	80292	SINGLE LOCKING ADJUSTER	
7	27X58	SEAT - INCL ARMRESTS (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	200759-01	BEACON MOUNTING TUBE	
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	LOCKWASHER - 1/4 SPRING STEEL	24
18	84332	HEX BOLT - 3/8-16 X 1 GR8	8
19	83056	LOCKWASHER - 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	14
25	133842	SELF TAPPING SCREW - 1/4 X 3/4	22
26	84401-04	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
30	89987-04	WING BOLT - 3/8-16 X 1	2
31	146567-03	OPERATORS CONSOLE COVER 2 PC	1
32	121388-02	CONVEYOR REVERSING SWITCH BRACKET	1
33	131477-03	FLASHER MOUNT	

PLATFORM & HOOD ASSEMBLY
(203811-01)

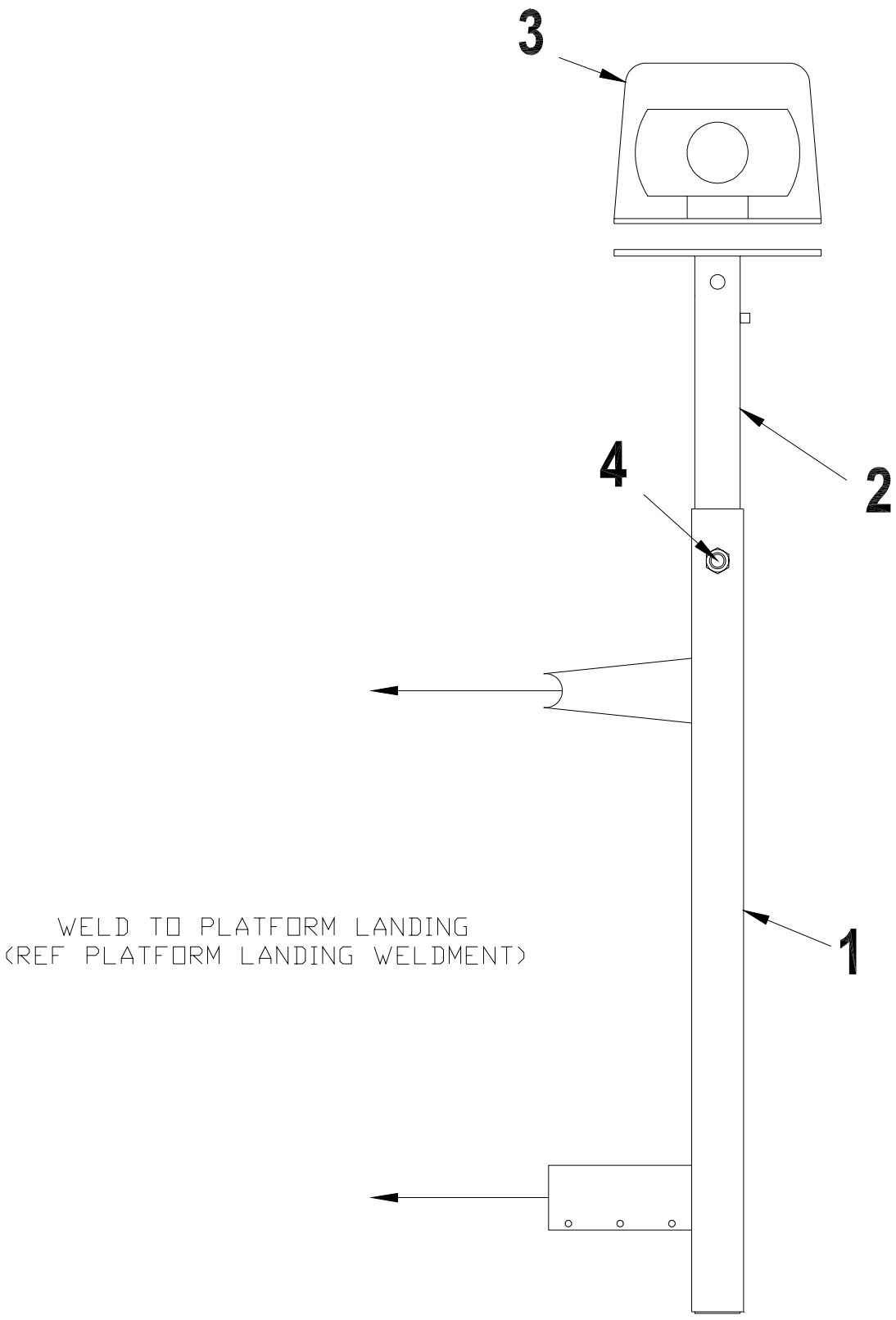






PLATFORM & HOOD ASSEMBLY
(203811-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200206-01	PLATFORM	1
2	200207-01	LADDER	1
3	203282-01	HOOD	1
4	203965-03	HOOD PROP	1
5	146491-04	HOOD PIN	2
6	200186-03	HOOD HINGE	2
7	129130-02	FAN SHROUD VENT EXTENSION	1
8	129227-03	VENT PIPE FOR FUME CONTROL	1
9	203088-03	8" RAIN CAP	1
10	141243-04	PLATFORM HANDRAIL "D" RING	1
11	141069-04	PLATFORM GATE	2
12	87339-C3	KIT - 1" PIPE CLAMP	5
13	146565-04	HADNRAIL OPENING SAFETY BAR	2
14	132040	BUNGIE CORD - 3/8 X 16 LG	1
15	205040-01	HOOD INSULATION	1
16	139779-04	FLUSH CUP LOCKING HANDLE	2
17	83032	FLAT WASHER - 1 1/2 "N" SERIES	4
18	86164	HEX BOLT - 1/2-13 X 1 1/4 GR8	8
19	83056	LOCKWASHER - 3/8 SPRING STEEL	7
20	83757	FLAT WASHER - 3/8 STEEL	1
21	83427	LOCKWASHER - 1" SPRING STEEL	2
22	83317	LOCKWASHER - 1/2" SPRING STEEL	10
23	83781-04	FLAT WASHER - 1/2" STEEL	10
24	89987-04	WING BOLT - 3/8-16 X 1	1
25	92235	LOCK HEX NUT - 3/8-16 GR8	2
26	96560	HEX BOLT - 1-8 X 2 GR8	2
27	83376-04	FLAT WASHER - 1" STEEL	3
28	84332	HEX BOLT - 3/8-16 X 1 GR8	3
29	86127-04	HEX BOLT - 3/8-16 X 3/4 GR8	4
30	83055	HEX NUT - 3/8-16 GR8	4
31	93723	HEX BOLT - 3/4-10 X 2 1/2 GR8	4
32	203526-04	CENTER LOCKNUT - 3/4-10 GR8	4
33	129894	TRIM - 5/8 BULB (1/8" SIDE MOUNT)	40"
34	148148	CARRIAGE BOLT - 3/8-16 X 3	1
35	139359	CAP - 1" PIPE (PLASTIC)	2
36	89988-04	HEX BOLT - 1/4-20 X 3/4 GR8	13
37	83065	LOCKWASHER - 1/4 SPRING STEEL	13
38	84444	FLAT WASHER - 1/4 STEEL	13
39	205278-04	PIN 1/2" X 3" SAFETY SNAP	1


3
4
2
1
WELD TO PLATFORM LANDING
(REF PLATFORM LANDING WELDMENT)

SB-2500C WARNING BEACON ASSEMBLY
(200758-01)

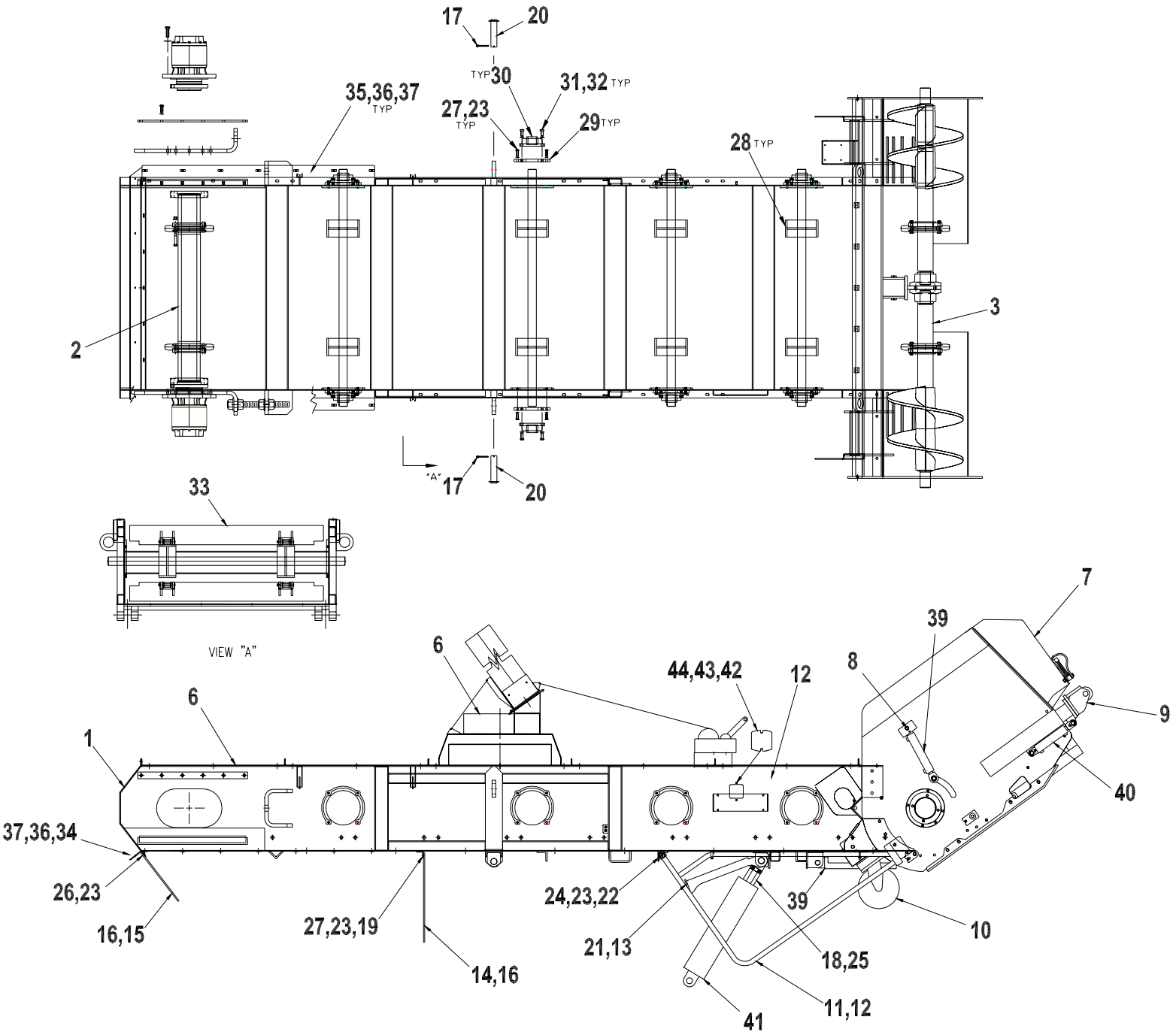
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200759-01	BEACON MOUNTING TUBE	1
2	131477-03	FLASHER MOUNT	1
3	90083-04	LIGHT - BEACON LAMP (MODEL 100-12V)	1
4	135982-04	WING BOLT - 1/2-13	1
5	20K32	CLAMP - 1/4 WIRE LOOM	4
6	13E68	TOGGLE SWITCH - SP ST ON/OFF	1
7	84316-04	WIRE - 16/2 ALPHA X 24	1
8	38Z57	WIRE - 14-16 GA MALE TERMINAL	10
9	83905-04	WIRE - 1/4 X 14" WIRE TIE	20
10	95021	WIRE - 1/4 WIRE SPLIT LOOM X 12"	1
11	98237-04	CABLE - RETRACTABLE CORD	1
12	87318-04	RUBBER - GROMMET	3

SECTION 3 : CONVEYORS

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	205719-01	694 & UP	3.1
CHAIN	200735-02		3.3
FOOTSHAFT & AUGER	202270-01		3.5
HEADSHAFT & TAKE- UP	205718-01		3.7
TOP COVER W/FUME	200722-01		3.9
WEAR PLATES	200732-01		3.13
DUMP HOPPER	200724-01		3.15
VIBRATOR	133304-01	602 & UP	3.17
BAFFLE	149437-01		3.19
HYD. PUSH ROLLER	149438-01		3.21
CASTER & SKIDS	148085-01		3.23
C-2 CONVEYOR	205715-01	694 & UP	3.25
CHAIN & IDLER	205713-02		3.27
FOOTSHAFT & AUGER	202272-01		3.29
HEADSHAFT & TAKE-UP	205714-01		3.31
LINER & BOTTOM PLATE	200518-01		3.33
FLOWGATES	202752-01	664 & UP	3.35
C-3 CONVEYOR	205717-01	694 & UP	3.37
CHAIN & IDLER	205716-01		3.41
TOP COVER W/FUME	204788-01	682 & UP	3.43
INSULATION PANEL & TRUCK RAIL	200528-01		3.45

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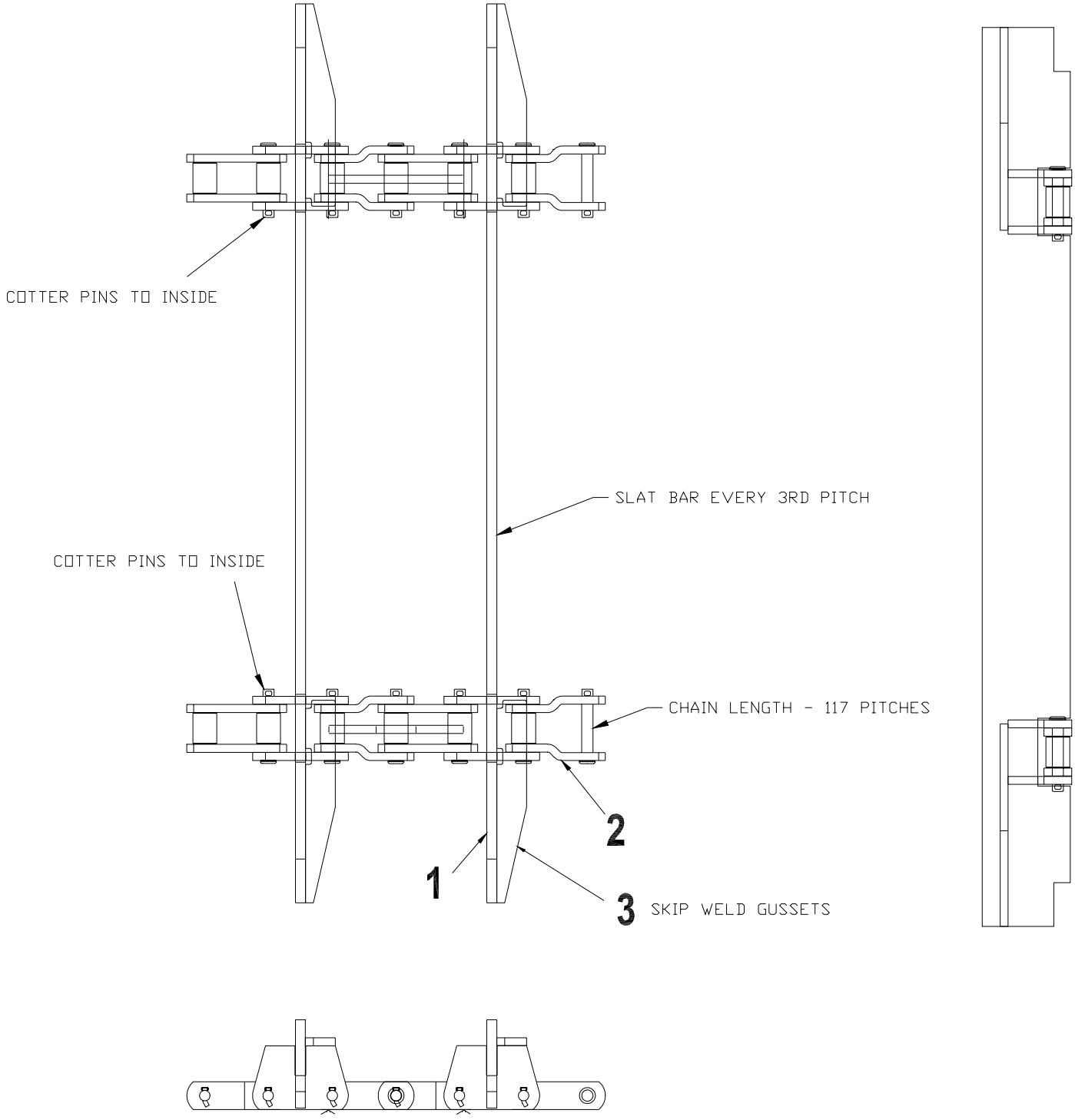
C-1 CONVEYOR ASSEMBLY
(205719-01)



C-1 CONVEYOR ASSEMBLY
(205719-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200633-01	C-1 CONVEYOR	1
2	205718-01	C-1 HEADSHAFT & TAKE-UP	1
3	202270-01	C-1 FOOTSHAFT & AUGER	1
4	200732-01	C-1 WEAR PLATES	1
5	200733-01	C-1 GREASE LINES	1
6	200722-01	C-1 TOP COVER & FXS	1
7	200724-01	C-1 DUMP HOPPER	1
8	149437-01	C-1 BAFFLE	1
9	149438-01	C-1 PUSH ROLLER	1
10	148085-01	C-1 CASTER & SKID RUNNER	1
11	200725-01L	C-1 L.H. GUARD RAIL	1
12	200725-01R	C-1 R.H. GUARD RAIL	1
13	201089-01	C-1 CYLINDER PROP	2
14	99158-03	C-1 FLASHING	1
15	99580-03	C-1 FLASHING REAR	1
16	99159-03	C-1 FLASHING CLAMP BAR	2
17	27D87	COTTER PIN 3/8" X 3 1/2"	2
18	200734-04	C-1 CYLINDER STOP	4
19	83288	NUT, HEX 1/2 - 13 GR. 8	7
20	99165-04	C-1 PIVOT PIN	2
21	144993-04	LYNCH PIN 3/16"	2
22	83754	BOLT, HEX 1/2 - 13 X 1"	2
23	83317	LOCKWASHER 1/2"	48
24	136743-04	FLAT WASHER 1/2" SCREED	2
25	128462	BOLT, C'SUNK 1/2 - 13 X 1"	8
26	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	7
27	89142	BOLT, HEX 1/2 - 13 X 1 3/4"	39
28	145488-01	C-1 IDLER SHAFT	4
29	99364-03	BEARING MOUNTING PLATE	8
30	88993-04	IDLER BEARING 2 7/16"	8
31	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	32
32	84717	LOCKWASHER 5/8"	32
33	200735-02	C-1 CHAIN ASSY.	1
34	129238-03	CANVAS CLAMP BAR C-1 END	1
35	146471-03	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	C-1 CONTROL MANIFOLD COVER	1
39		C-1 HOPPER CONTROL HYDRAULICS	REF
40		PUSH ROLLER HYDRAULICS	REF
41		C-1 LIFT HYDRAULICS	REF
42	129384-03	CHAIN INSPECTION COVER	1
43	83757	FLAT WASHER - 3/8 STEEL	2
44	129097	WING NUT - 3/8-16	2

C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

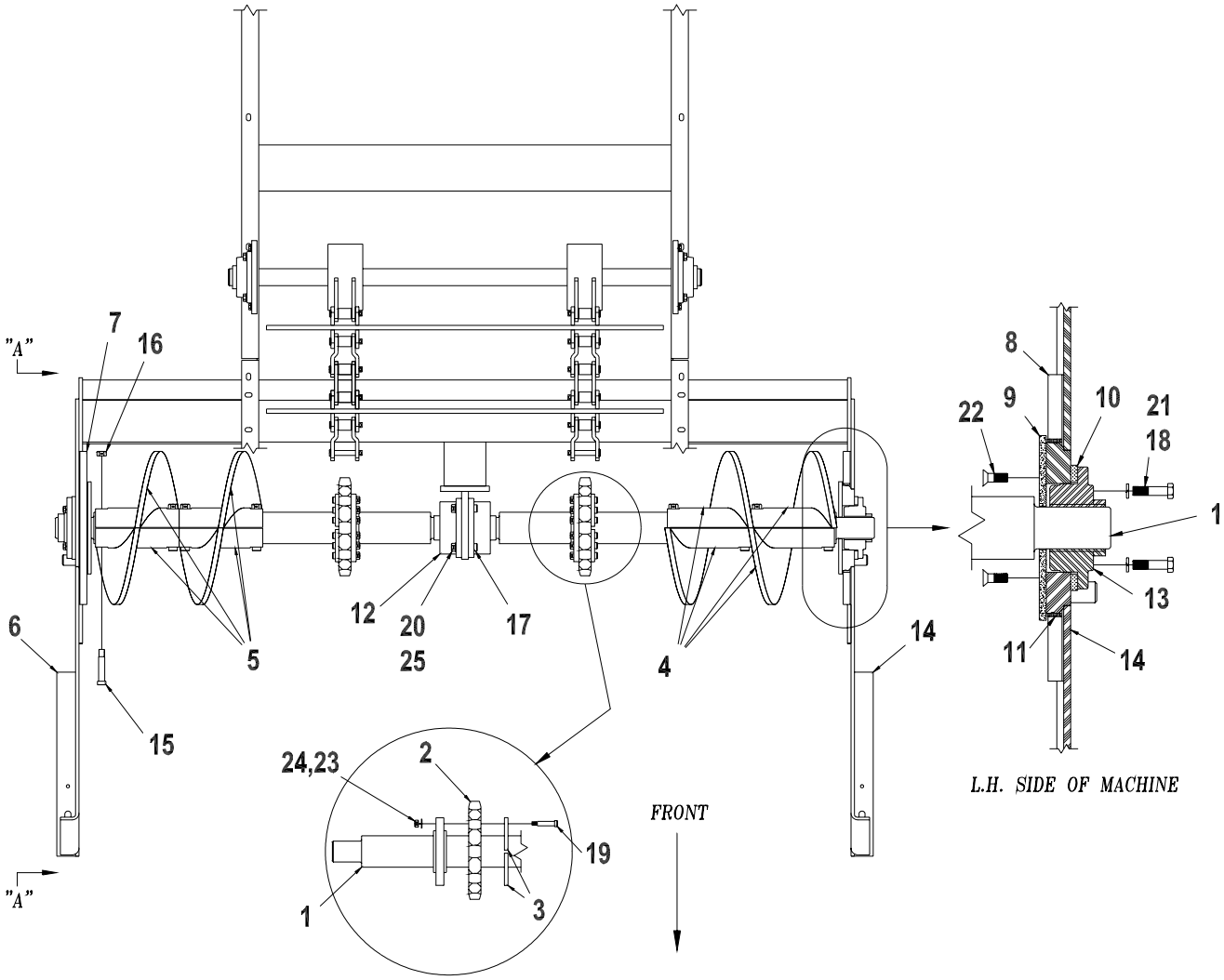


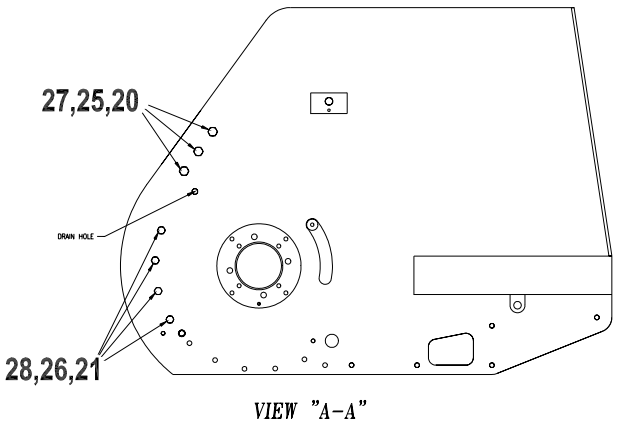
C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200736-03	SLAT BAR	39
2	148010-03	CHAIN SET (2 SETS)	1
3	201576-03	GUSSET	78

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C-1 FOOTSHAFT & AUGER ASSEMBLY
(202270-01)





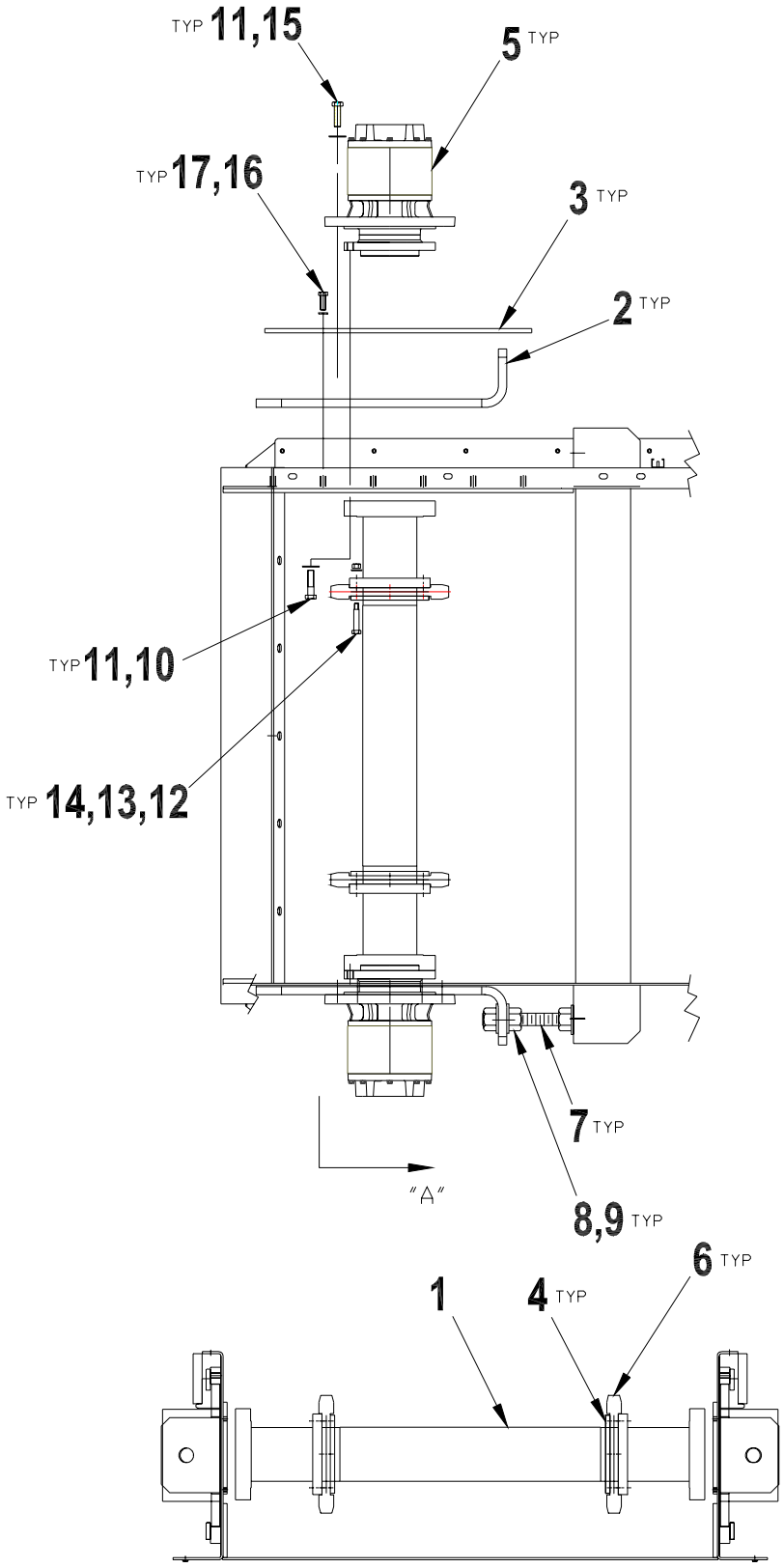
VIEW "A-A"

C-1 FOOTSHAFT & AUGER ASSEMBLY
(202270-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202274-03	C-1 FOOTSHAFT	2
2	139350-02	MACHINED 10 TOOTH SPROCKET	2
3	139665-04	SPROCKET COVER PLATE	4
4	201578-01	12" LEFT PITCH AUGER	4
5	201579-01	12" RIGHT PITCH AUGER	4
6	201877-01R	RH SIDEPLATE	1
7	147980-01R	RH BAFFLE CARRIER PLATE	1
8	147890-01L	LH BAFFLE CARRIER PLATE	1
9	201878-03	RETAINER PLATE	2
10	148112-03	SPACER PLATE	2
11	143093-03	BRASS BUSHING	2
12	29M98	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
13	122266-04	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
14	201877-01L	LH SIDEPLATE	1
15	200318	SCREW - SOC- HD - 7/8-9 X 7	12
16	132058-04	LOCKNUT - 7/8-9 TOP GR8	12
17	141568	SCREW - SOC-HD - 3/4-10 X 3 1/2	4
18	89252	HEX BOLT - 5/8-11 X 2 1/2 GR8	8
19	138651-04	SHOULDER BOLT - 5/8-2 1/2 (1/2-13 UNC)	24
20	83752-04	LOCKWASHER - 3/4 SPRING STEEL	16
21	84717	LOCKWASHER - 5/8 SPRING STEEL	24
22	91223-04	CSK BOLT - 5/8-11 X 1 3/4 GR8	8
23	10D63	WASHER - 1/2 HARD STEEL	24
24	139741-04	HEX LOCKNUT - 1/2-13 CENTER GRIP GR8	24
25	84071-04	HEX NUT - 3/4-10 GR8	16
26	85148	HEX NUT - 5/8-11 GR8	8
27	93071	HEX BOLT - 3/4-10 X 2 GR8	6
28	96041	HEX BOLT - 5/8 - 11 X 2 GR8	8
29			
30			

C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY

(205718-01)

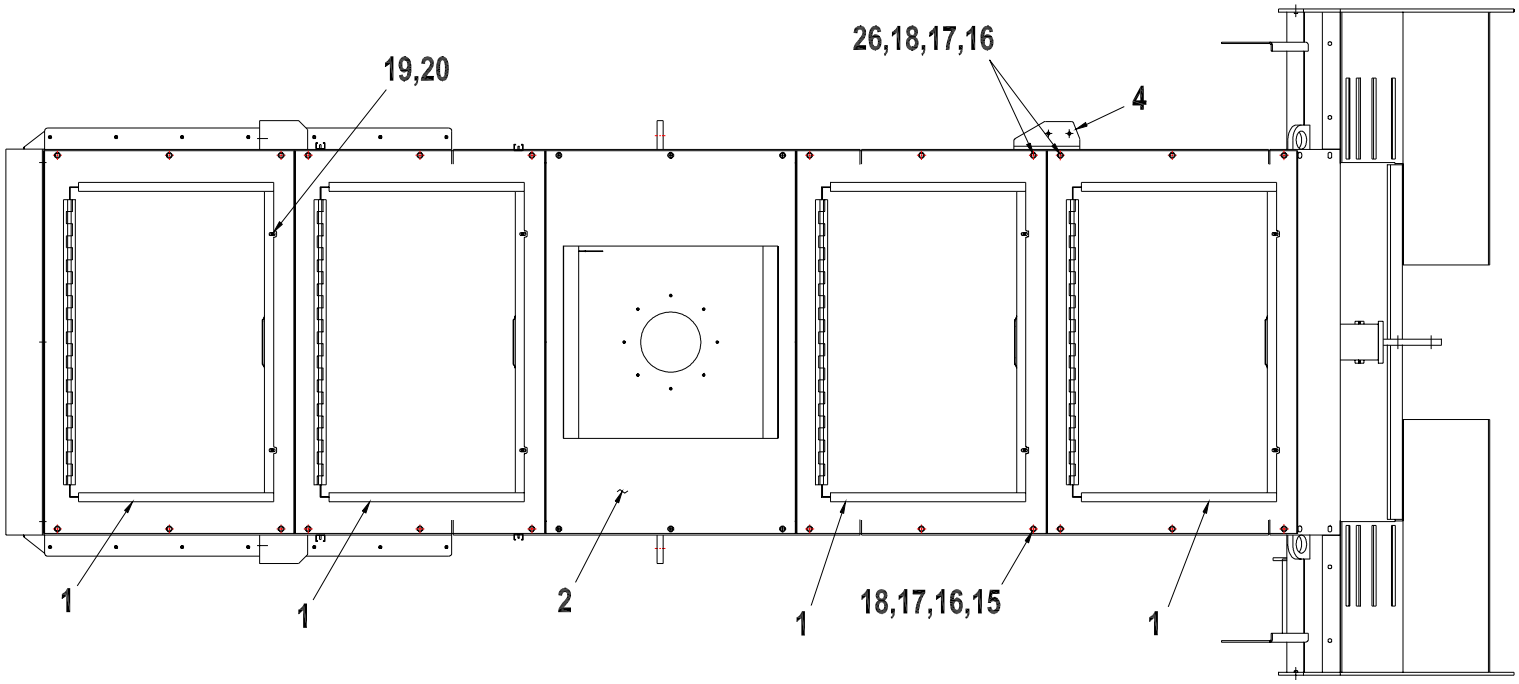


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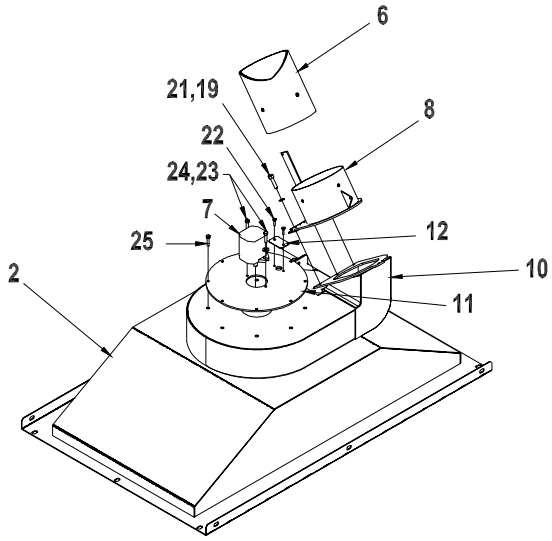
C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY
(205718-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200711-01	C1 HEADSHAFT	1
2	200712-01	C1 TAKE-UP BRACKET	2
3	122419-03	UPPER KEEPER BAR	2
4	139665-04	SPROCKET COVER PLATE	2
5	203740-01	GEARBOX, C1 AND C3 CONVEYORS	2
6	139350-02	MACHINED 10 TOOTH SPROCKET	2
7	99060-04	TAKE-UP SCREW	2
8	83031	HEX NUT, 1 1/2 - 6 GR 8	6
9	83032	FLAT WASHER, 1 1/2 N SERIES	8
10	122336	HEX BOLT, 3/4 - 16 X 3 GR 8	16
11	83752-04	LOCKWASHER, 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 GR 8	24
15	93723	HEX BOLT, 3/4 - 10 X 2 1/2	20
16	89143	HEX BOLT, 5/8 - 11 X 1 3/4	12
17	84717	LOCKWASHER, 5/8	12

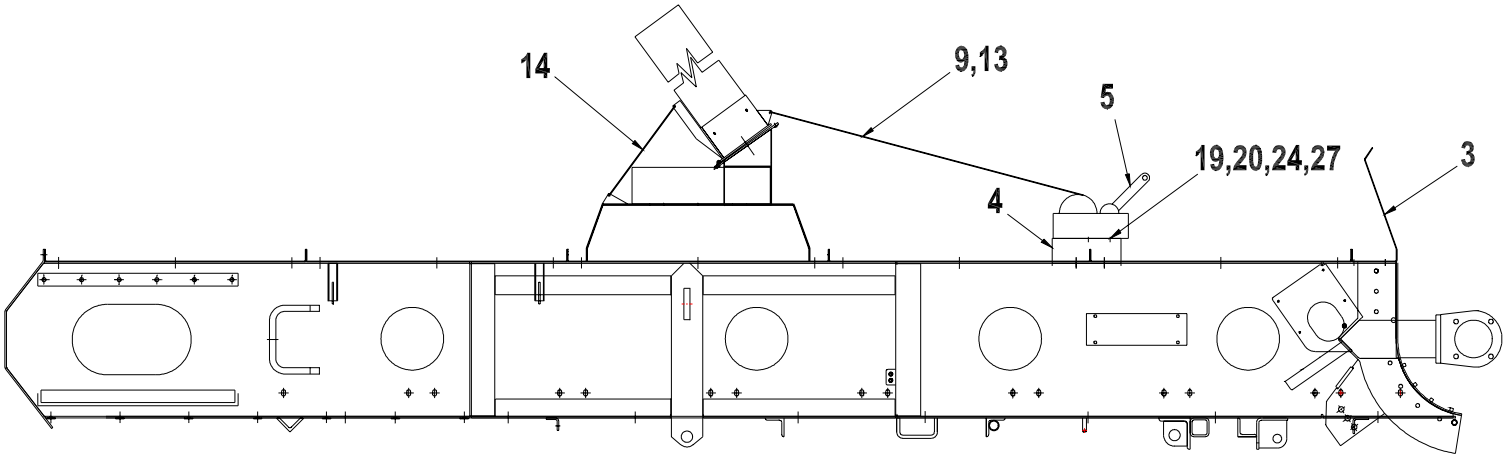
C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(200722-01)



C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(200722-01)



FUME EXTRACTION DETAIL

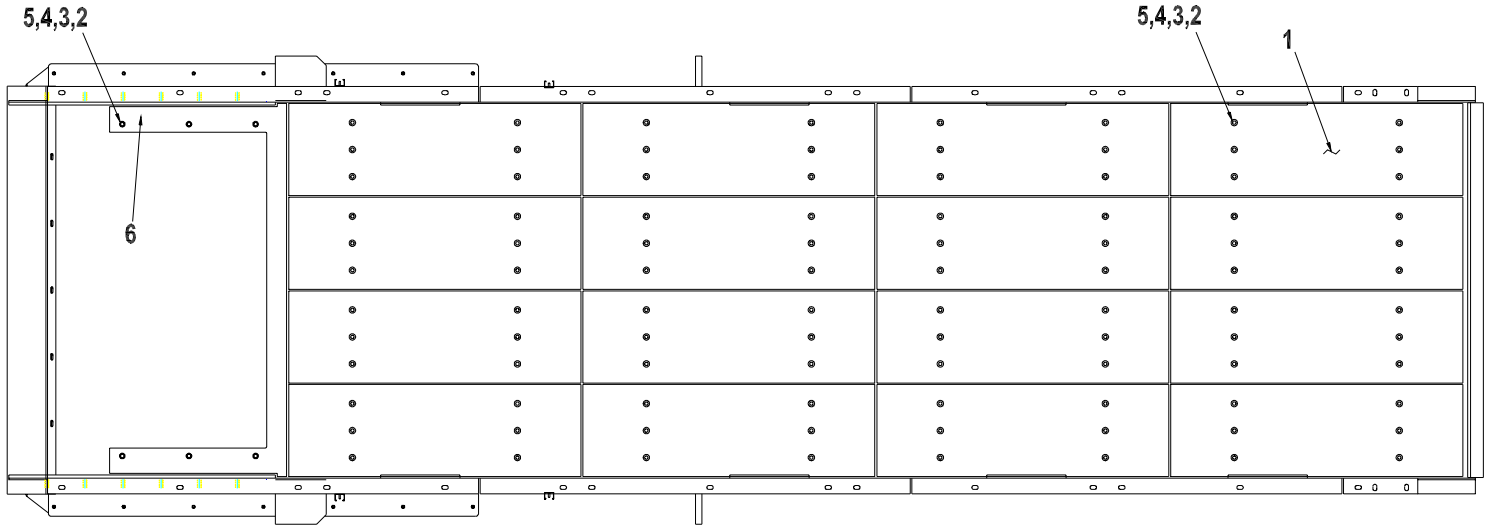


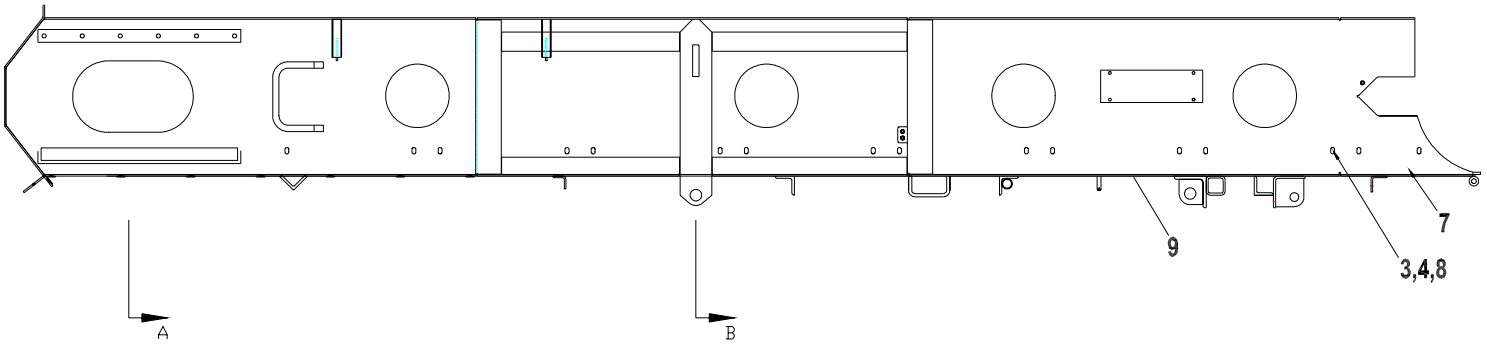
C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(200722-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200715-01	TOP COVER PLATE	4
2	200719-01	TOP COVER FXS	1
3	200720-02	TOP COVER PLATE, HOPPER	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	C1 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	54
16	83781-04	FLAT WASHER, 1/2	112
17	83317	LOCKWASHER, 1/2	56
18	83288	HEX NUT, 1/2 - 13 GR 8	56
19	83056	LOCKWASHER, 3/8	14
20	83055	HEX NUT, 3/8 - 16 GR 8	8
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	84674	HEX BOLT, 1/2 - 13 X 2, PARTIAL THREAD	2
27	83757	FLAT WASHER, 3/8	6

C-1 CONVEYOR WEAR PLATE ASSEMBLY

(200732-01)

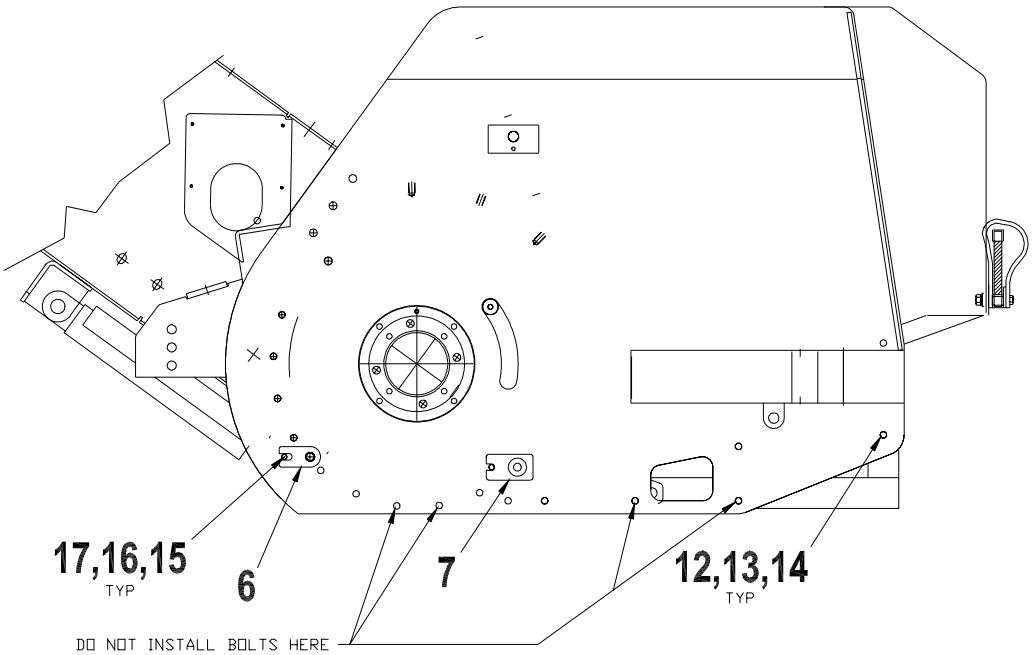


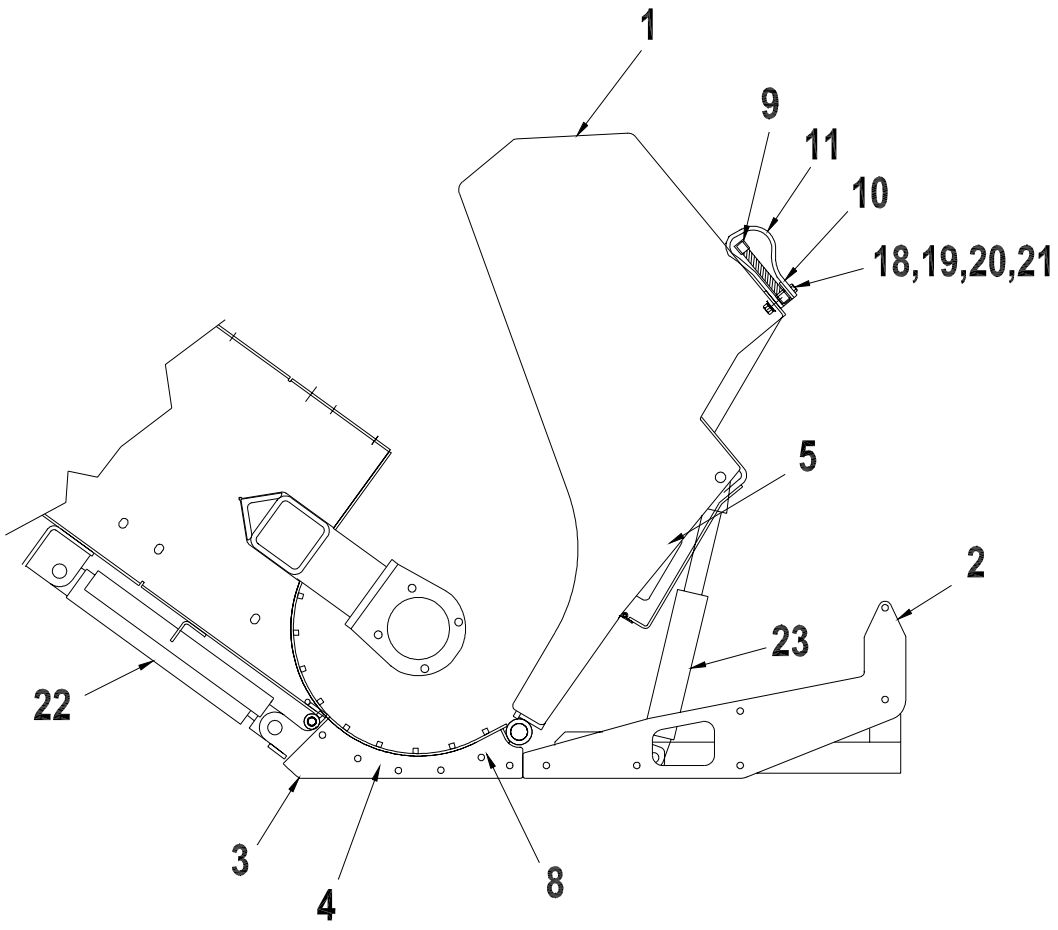


C-1 CONVEYOR WEAR PLATE ASSEMBLY
(200732-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	98961-03	C1 LINER PLATE, CASTING NI-HARD	16
2	29C18	CSK BOLT, 1/2 - 13 X 1 3/4	38
3	83781-04	FLAT WASHER, 1/2	70
4	83317	LOCKWASHER, 1/2	70
5	83288	HEX NUT, 1/2 - 13, GR 8	38
6	200669-01	C1 FLOOR LINER PLATE - REAR	1
7	200668-03	C1 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

C-1 CONVEYOR DUMP HOPPER ASSEMBLY
(200724-01)





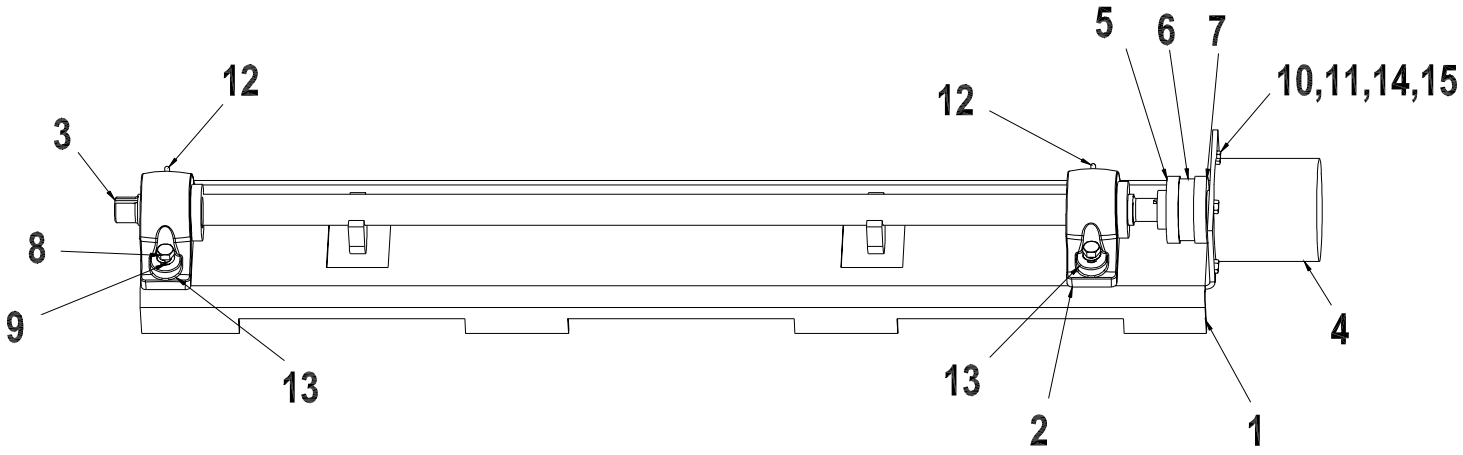
SIDE VIEW, SIDEPLATE REMOVED

C-1 CONVEYOR DUMP HOPPER ASSEMBLY
(200724-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147978-01	DUMP HOPPER	1
2	147962-01	C1 HOPPER UNDERCARRIAGE	1
3	200723-01	C1 HOPPER SUB-WELDMENT	1
4	147850-01	C1 CLEANOUT DOOR	1
5	133304-01	C1 HOPPER VIBRATOR ASSY.	1
6	148045-03	C1 HOPPER SUB-WELDMENT PIN	2
7	148044-03	DUMP HOPPER PIVOT PIN	2
8	148051-03	HINGE PIN, C1 CLEANOUT DOOR	1
9	143620-03	FLASHING SUPPORT	1
10	96008-03	FLASHING RETAINER BAR	2
11	99218-02	RUBBER FLASHING, C1 DUMP HOPPER	1
12	96041	HEX BOLT, 5/8 - 11 X 2	16
13	84717	LOCKWASHER, 5/8	16
14	85148	HEX NUT, 5/8 - 11 GR 8	16
15	83754	HEX BOLT, 1/2 - 13 X 1	4
16	83317	LOCKWASHER, 1/2	4
17	83781-04	FLAT WASHER, 1/2	4
18	121809	HEX BOLT, 3/8 - 16 X 3 1/2	16
19	83757	FLAT WASHER, 3/8	16
20	83056	LOCKWASHER, 3/8	16
21	83055	HEX NUT, 3/8 - 16 GR 8	16
22	N/A	C1 CLEANOUT DOOR HYD. ASSEMBLY	REF
23	N/A	C1 DUMP, BAFFLE, & VIBRATOR HYD ASSY.	REF

DUMP HOPPER VIBRATOR ASSEMBLY

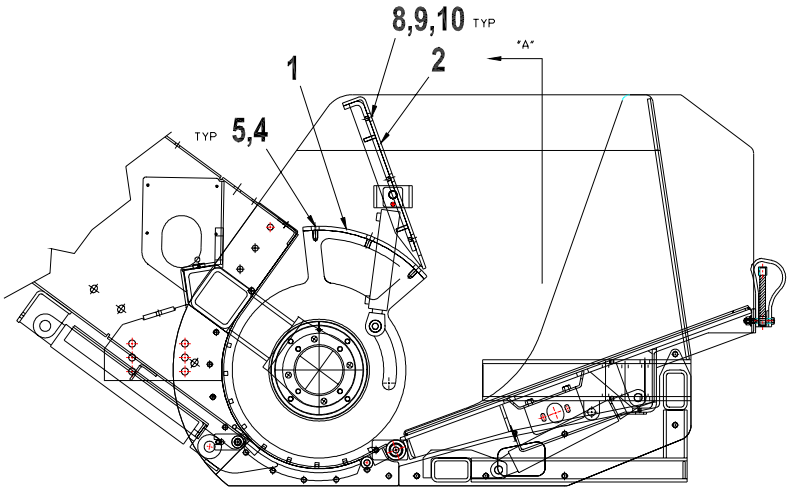
(133304-01)



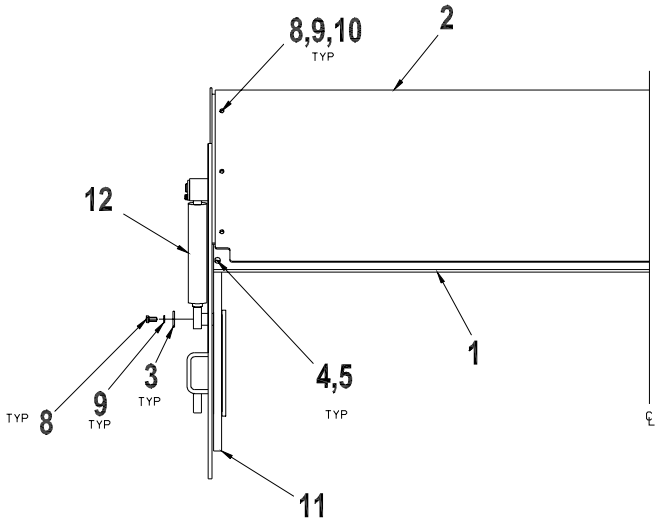
C-1 DUMP HOPPER VIBRATOR ASSEMBLY
(133304-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	133303-01	VIBRATOR BASE 12 3/8 X 55 3/4"	
2	97617	BEARING - 1 1/2" NON-EXPANDABLE	2
3	140591-02	VIBRATOR SHAFT	1
4	99933	VIBRATOR MOTOR	1
5	131918-04	S FLEX COUPLING	1
6	131920-04	S FLEX COUPLING	1
7	131919-04	S FLEX COUPLING	1
8	93121	BOLT, HEX 1/2 - 13 X 2 1/2" GD. 8	4
9	83317	LOCKWASHER 1/2"	4
10	96476	BOLT, HEX 3/8 - 16 X 1 1/4" GD. 8	2
11	83757	FLAT WASHER 3/8" STEEL	4
12	89462-04	GREASE FITTING 1/8" NPT 90	2
13	10D63	WASHER 1/2"	4
14	83055	NUT, HEX 3/8 - 16 GD. 8	4
15	83056	LOCKWASHER 3/8"	4

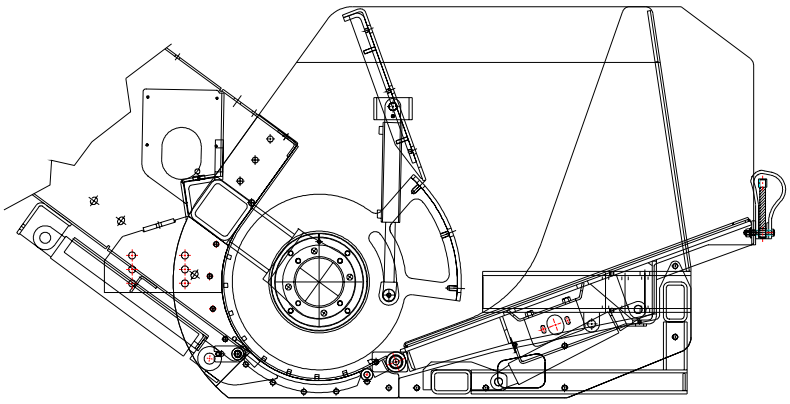
C-1 BAFFLE ASSEMBLY
(149437-01)



SIDE VIEW
BAFFLE OPEN



PARTIAL VIEW "A"



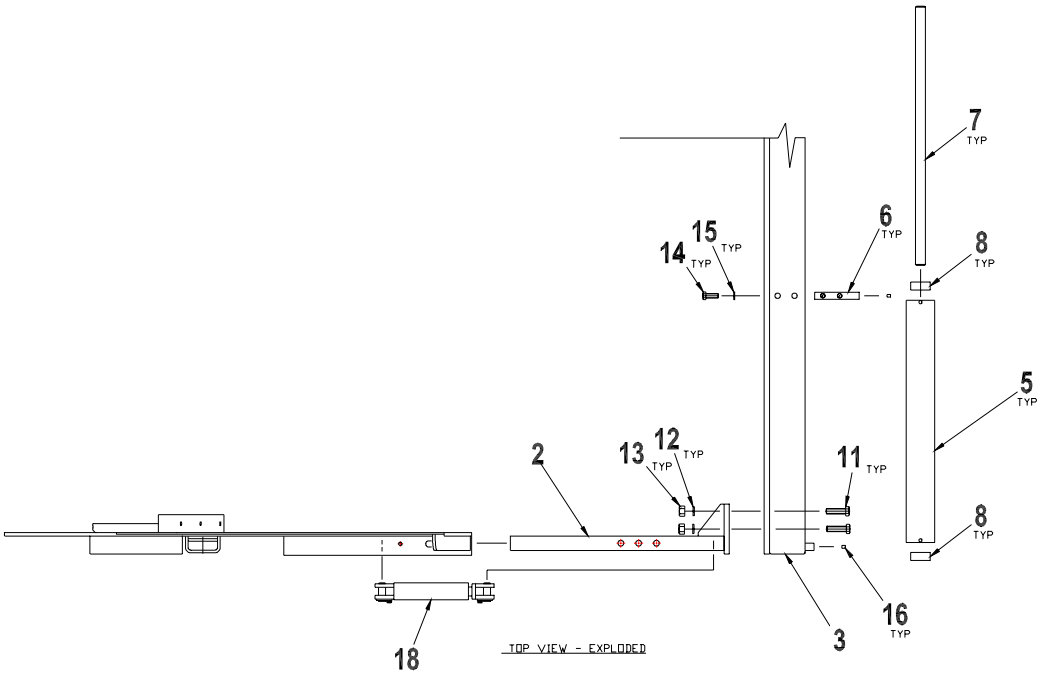
SIDE VIEW
BAFFLE CLOSED

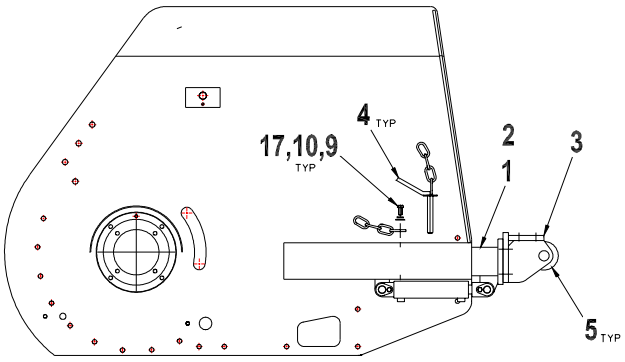
C-1 BAFFLE ASSEMBLY
(149437-01)

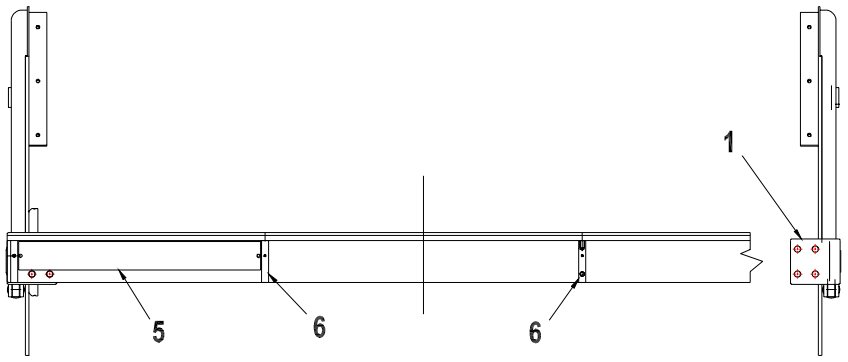
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147987-01	C-1 HOPPER BAFFLE PLATE	1
2	147972-01	C-1 HOPPER REAR WALL	1
3	147993-03	RETAINER PLATE	2
4	84722	BOLT, SOCKET HD. 5/8 - 11 X 1 1/2"	6
5	84717	LOCKWASHER 5/8"	6
6	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	2
7	83056	LOCKWASHER 3/8"	2
8	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	6
9	83317	NUT, LOCK 1/2 - 13	6
10	83781-04	FLAT WASHER 1/2"	6
11	REF	BAFFLE CARRIER PLATE	
12	REF	C-1 DUMP, BAFFLE, & VIB. HYD. ASSEMBLY	

HYDRAULIC PUSH ROLLER ASSEMBLY

(149438-01)





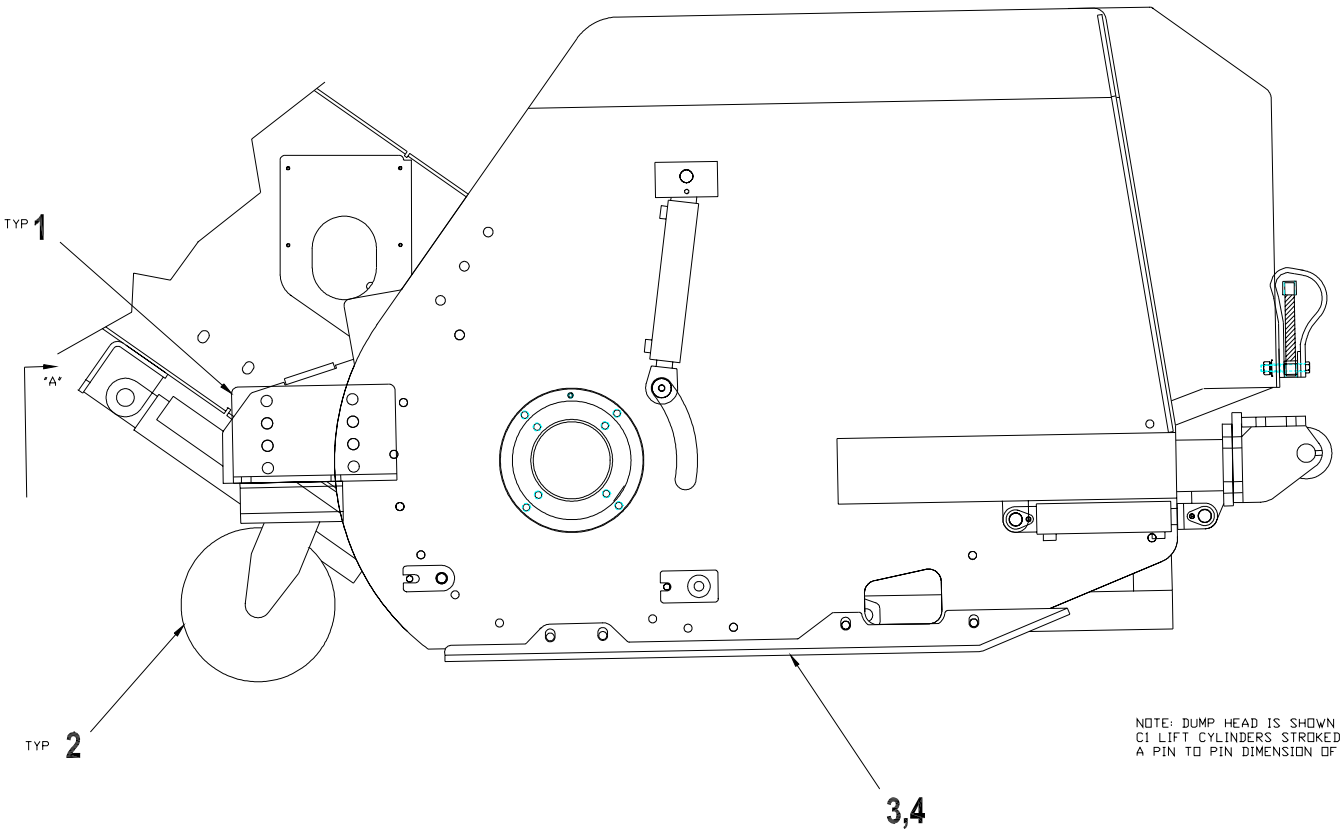


HYDRAULIC PUSH ROLLER ASSEMBLY
(149438-01)

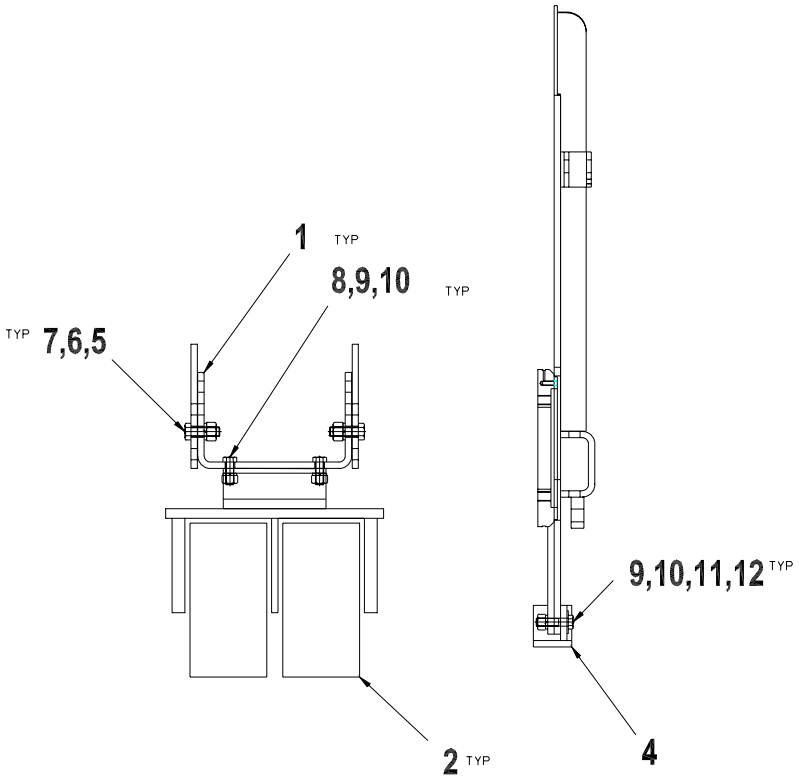
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147960-01L	L.H. PUSH ROLLER SUPPORT	1
2	147960-01R	R.H. PUSH ROLLER SUPPORT	1
3	147959-01	PUSH ROLLER TROLLEY FRAME	1
4	148064-03	PUSH ROLLER LOCKING PIN	2
5	137441-02	34" PUSH ROLLER	2
6	147961-04	BOLT-ON PUSH ROLLER LUG	2
7	137442-03	PUSH ROLLER SHAFT	2
8	84734-04	BEARING	4
9	83781-04	FLAT WASHER 1/2"	2
10	83317	LOCKWASHER 1/2" SPRING STEEL	2
11	95930	BOLT, HEX 3/4 - 10 X 2 3/4"	8
12	83752-04	LOCKWASHER 3/4"	8
13	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
14	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	6
15	84717	LOCKWASHER 5/8"	6
16	84735	SET SCREW 3/8 - 16 X 1/2"	4
17	83754	BOLT, HEX 1/2 - 13 X 1"	2
18	REF.	PUSH ROLLER HYD. ASSEMBLY	

C-1 CASTER & SKID RUNNER ASSEMBLY

(148085-01)



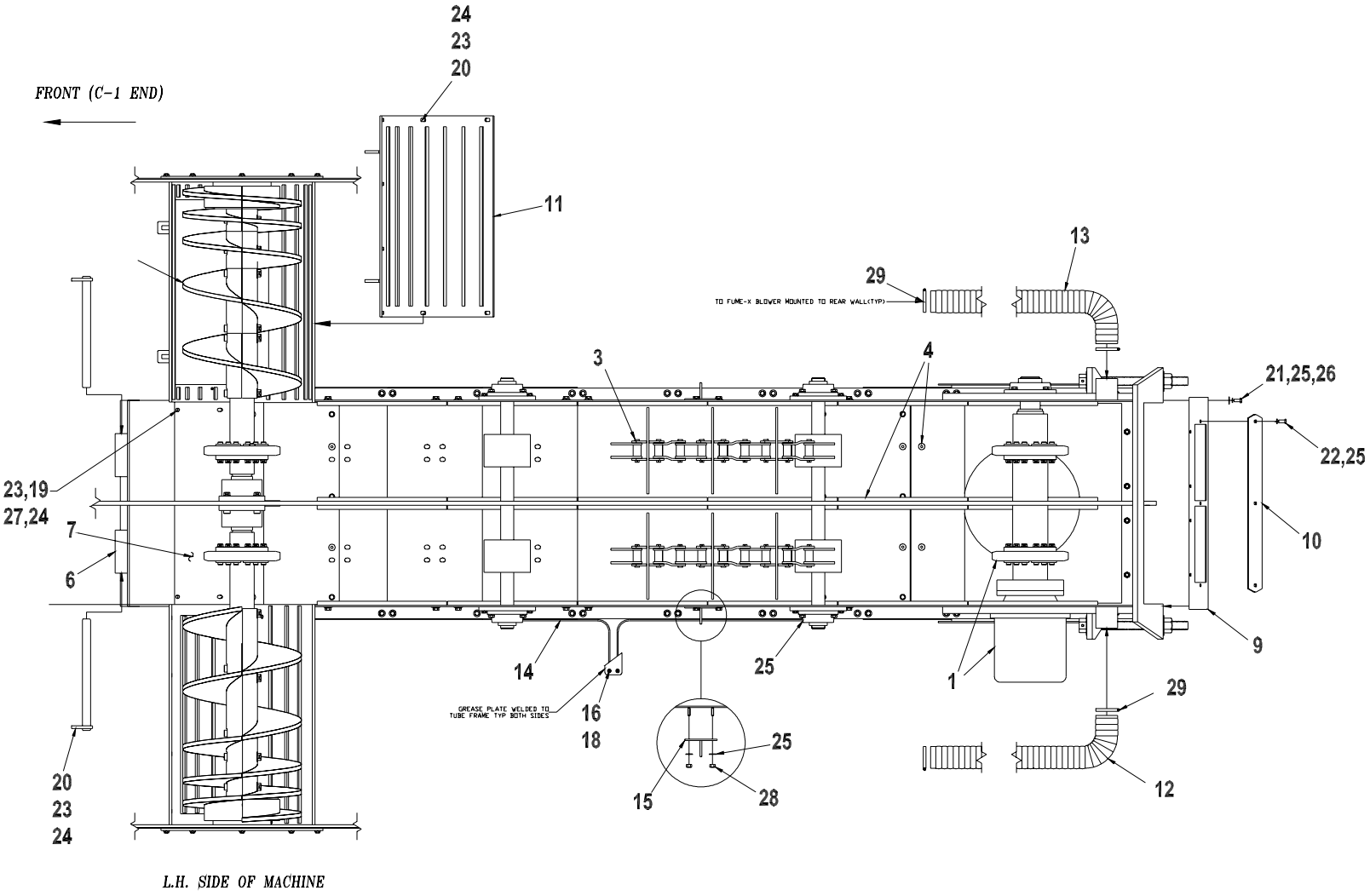
NOTE: DUMP HEAD IS SHOWN WITH CI LIFT CYLINDERS STROKED TO A PIN TO PIN DIMENSION OF 40 1/2".



PARTIAL VIEW "A"

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

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
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	LOCKWASHER 3/4"	8
7	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
8	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	8
9	84717	LOCKWASHER 5/8"	16
10	85148	NUT, HEX 5/8 - 11 GD. 8	16
11	89252	BOLT, HEX 5/8 - 11 X 2 1/2"	8
12	85147	FLAT WASHER 5/8"	8

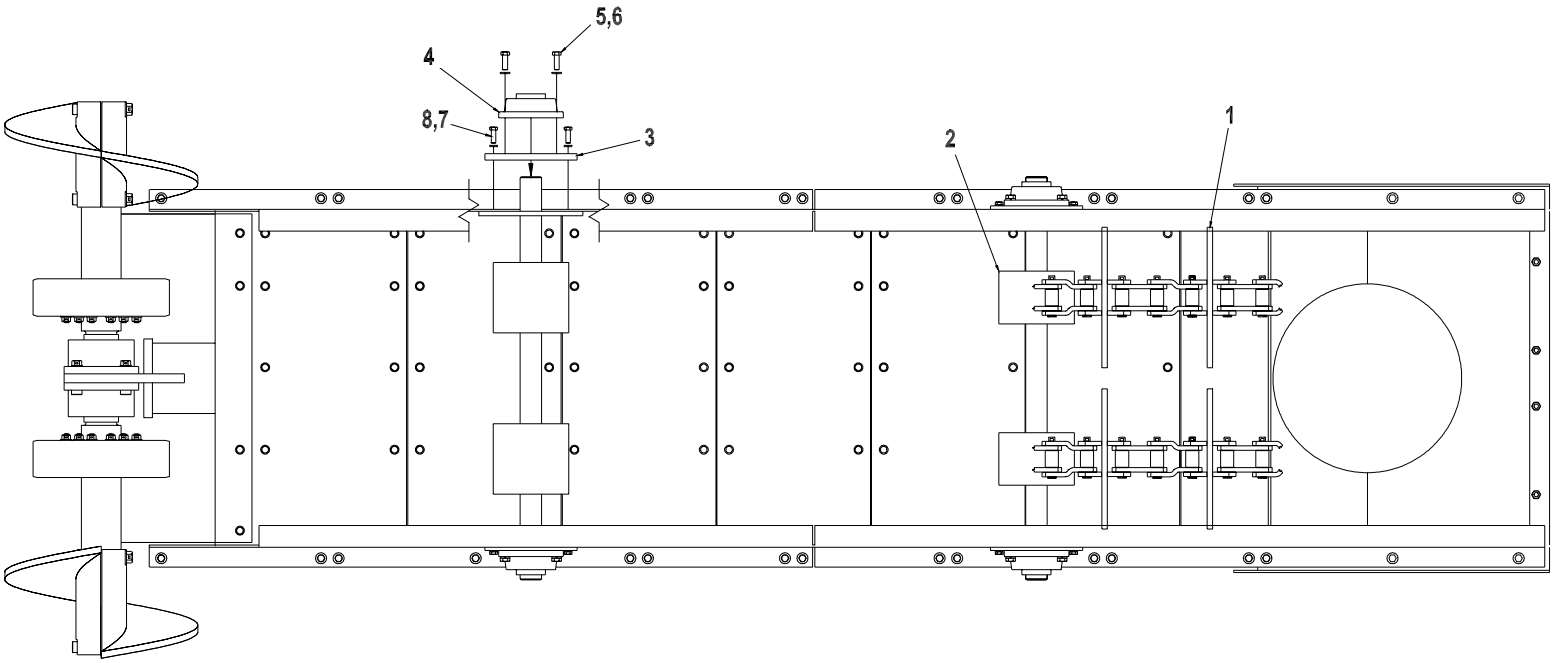

24
23
20
FRONT (C-1 END)
11
13
29
TO FUME-X BLOWER MOUNTED TO REAR WALL(TYP)
3
4
21,25,26
22,25
23,19
27,24
7
6
10
9
14
25
1
29
GREASE PLATE WELDED TO TUBE FRAME TYP BOTH SIDES
16
18
25
15
28
12
20
23
24
L.H. SIDE OF MACHINE

C-2 CONVEYOR ASSEMBLY
(205715-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	205714-01	C-2 HEADSHAFT & TAKE-UP	1
2	202272-01	C-2 FOOTSHAFT & AUGER	1
3	205713-01	CHAIN & IDLER	1
4	200518-01	LINER & BOTTOME PLATE	1
5	202752-01	FLOWGATE ASSY. (NOT SHOWN)	1
6	146679-02	C-2 CLEAN-OUT DOOR	1
7	146680-02	C-2 CLEAN-OUT DOOR LINER	1
8	146683-03	C-2 CLEAN-OUT DOOR PIN	2
9	200201-03	C-2 CHAIN ACCESS DOOR	1
10	200210-03	C-2 WASHDOWN PANEL	1
11	203577-01	AUGER ACCESS DOOR	2
12	125232-04	HOSE - 4" FLEX 2 PLY RED	120"
13	125232-04	HOSE - 4" FLEX 2 PLY RED	168"
14	144367-04	GREASE LINE - 1/4" X 36" W/ 4 JIC SW ENDS	4
15	129384-03	CHAIN INSPECTION COVER PLATE	2
16	84560-04	FITTING - 1/8" NPT X 4 JIC 90	4
17	83742-04	FITTING - 1/8" NPT X 4 JIC ST CONN.	4
18	83416	FITTING - 1/8" NPT GREASE	4
19	29C18	BOLT, C'SUNK 1/2 - 13 X 1 3/4"	6
20	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	26
21	84332	BOLT, HEX 3/8 - 16 X 1"	12
22	89987-04	WING BOLT 3/8 - 16 X 1"	3
23	83781-04	FLAT WASHER 1/2" STEEL	32
24	83317	LOCKWASHER - 1/2" SPRING STEEL	32
25	83757	FLAT WASHER 3/8" STEEL	19
26	83056	LOCKWASHER 3/8" SPRING STEEL	12
27	83288	NUT, HEX 1/2 - 13 GR. 8	6
28	129097	WING NUT - 3/8-16	4
29	129000	CLAMP - 4 1/2" IDEAL HOSE	4
30	148168-04	LIMIT SWITCH BRACKET	1

C-2 CONVEYOR CHAIN & IDLER ASSEMBLY

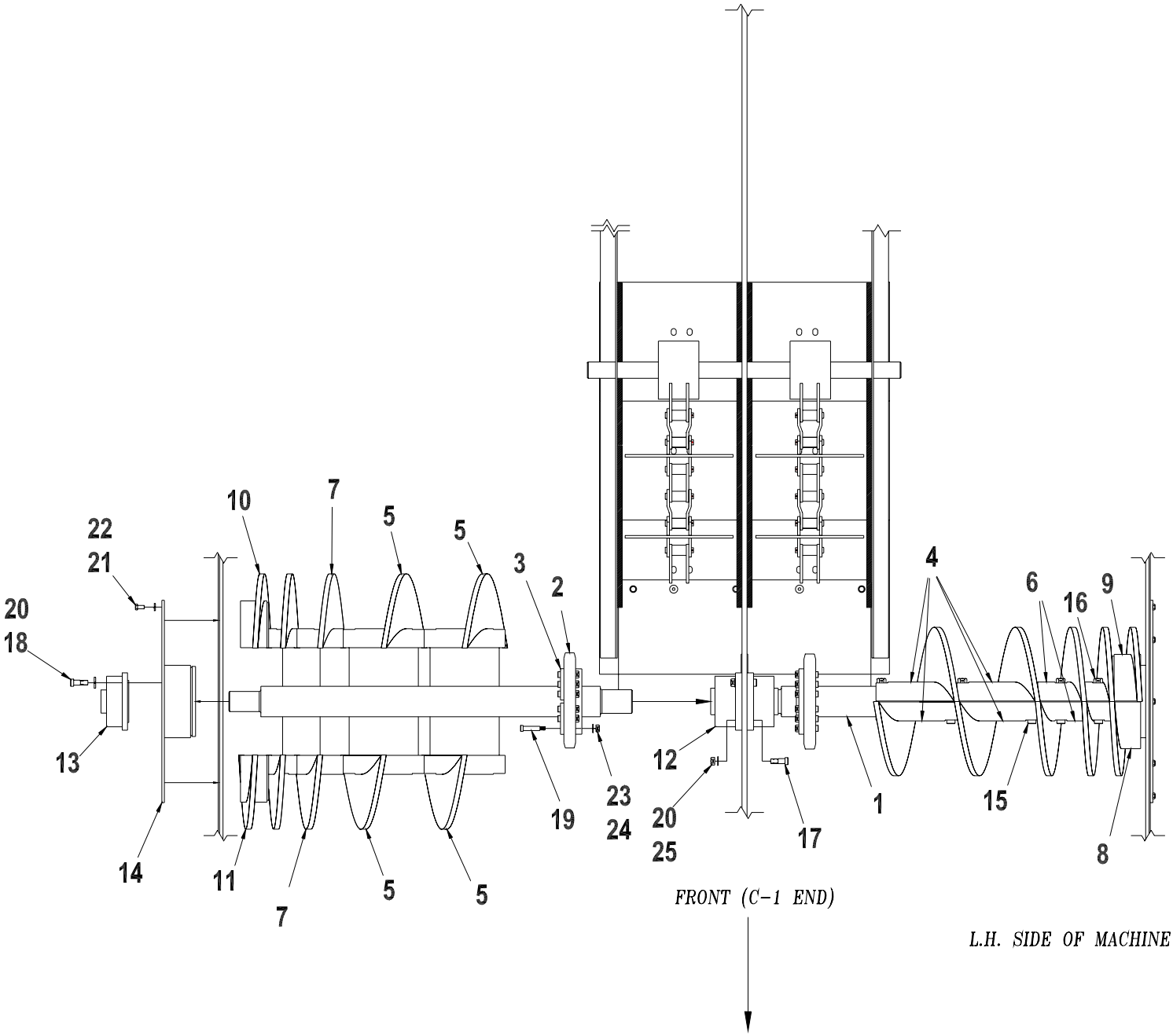
(205713-01)



C-2 CONVEYOR CHAIN & IDLER ASSEMBLY
(205713-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138906-02	C-2 CHAIN	1
2	99363-01	C-2 IDLER	2
3	99364-03	IDLER BEARING PLATE	4
4	88993-04	BEARING - 4 BOLT FLANGE (2 7/16" ID)	4
5	84778	HEX BOLT - 5/8-11 X 1 1/2" GR8	16
6	84717	LOCKWASHER - 5/8" SPRING STEEL	16
7	93144	HEX BOLT - 1/2-13 X 1 1/2" GR8	16
8	83317	LOCKWASHER - 1/2" SPRING STEEL	16

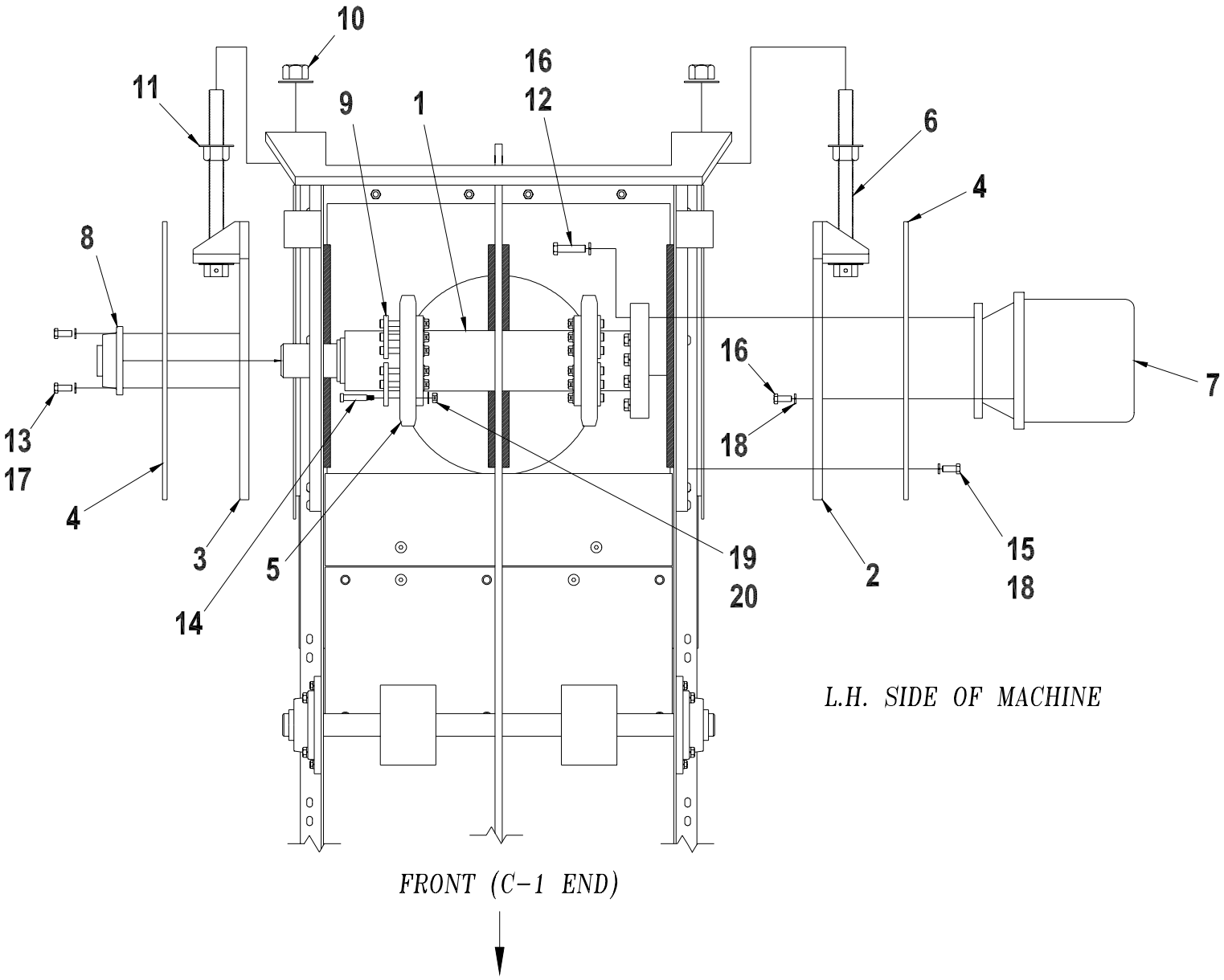
C-2 FOOTSHAFT & AUGER ASSEMBLY
(202272-01)



C-2 FOOTSHAFT & AUGER ASSEMBLY
(202272-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200316-03	C-2 FOOTSHAFT	2
2	139350-02	10 TOOTH SPROCKET	2
3	139665-04	SPROCKET COVER PLATE	4
4	201578-01	12" LEFT PITCH AUGER	4
5	201579-01	12" RIGHT PITCH AUGER	4
6	201580-01	6 7/8" LEFT PITCH AUGER	2
7	201581-01	6 7/8" RIGHT PITCH AUGER	2
8	201582-01	4 3/16" LEFT PITCH AUGER	1
9	201583-01	4 3/16" LEFT PITCH AUGER	1
10	201584-01	4 3/16" RIGHT PITCH AUGER	1
11	201585-01	4 3/16" RIGHT PITCH AUGER	1
12	29M97	BEARING - 4 BOLT FLANGE (3.5" SHAFT)	2
13	29M98	BEARING - 4 BOLT FLANGE (3.0" SHAFT)	2
14	146684-01	OUTER BEARING RETAINER PLATE	2
15	200318	SCREW, SOCKET HD. 7/8 - 9 X 7"	10
16	132058-04	TOP LOCK NUT 7/8 - 9	10
17	12K35	BOLT, HEX 3/4 - 10 X 4"	4
18	146963	SCREW, SOCKET HD. 3/4 - 10 X 1 3/4"	8
19	138651-04	BOLT, SHOULDER 5/8 X 2 1/2" (1/2 - 13 UNC)	24
20	83752-04	LOCKWASHER 3/4" SPRING STEEL	12
21	83317	LOCKWASHER 1/2" SPRING STEEL	18
22	86164	BOLT, HEX 1/2 - 13 X 1 1/4'	18
23	10D63	HARD WASHER 1/2" STEEL	24
24	139741-04	NUT, CTR. GRIP LOCK HEX 1/2 - 13	24
25	84071-04	NUT, HEX 3/4 - 10	4
26			
27			
28			
29			
30			

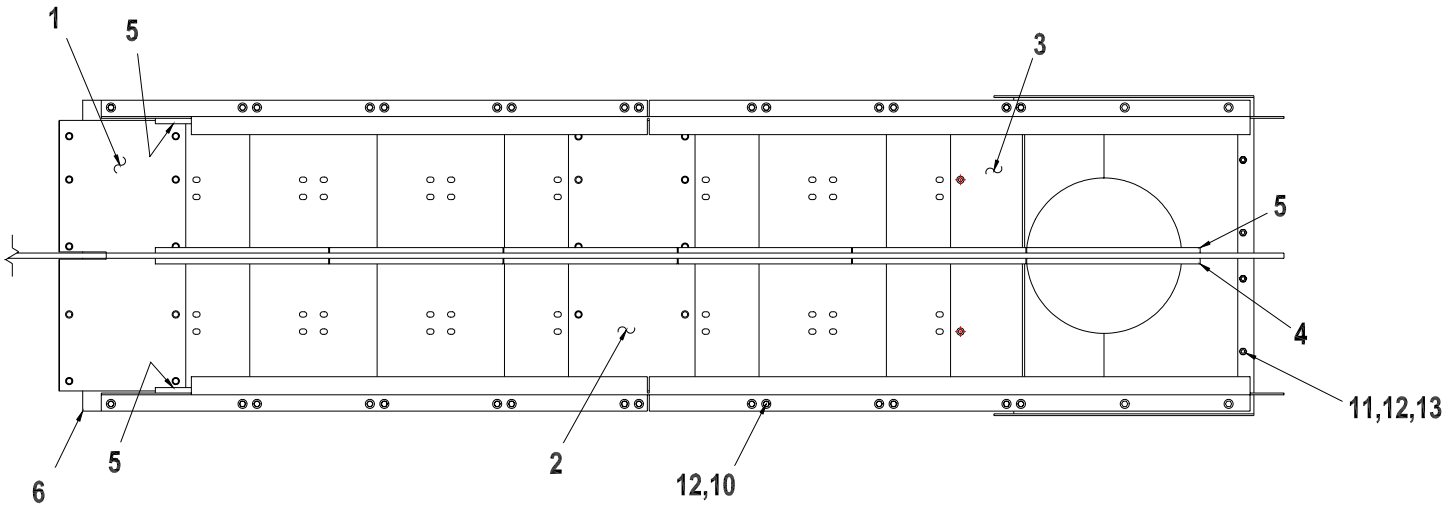
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(205714-01)

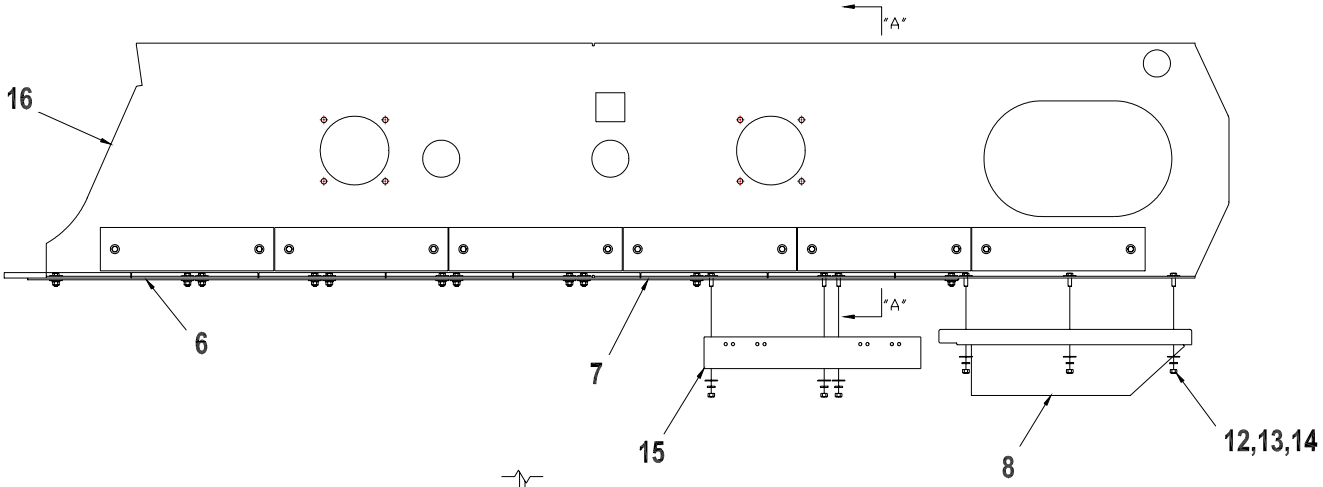


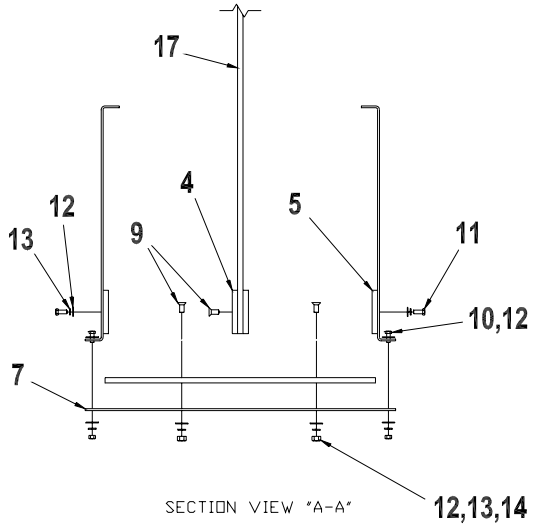
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(205714-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138589-01	C-2 HEADSHAFT	1
2	200196-01	L.H. TAKE-UP	1
3	200197-01	R.H. TAKE-UP	1
4	122419-03	UPPER KEEPER BAR	2
5	139350-02	10 TOOTH SPROCKET	2
6	99060-04	TAKE-UP SCREW	2
7	203739-01	C-2 DRIVE GEARBOX	1
8	97350-04	FLANGE BEARING	1
9	139665-04	SPROCKET COVER PLATE	4
10	83031	NUT, HEX 1 1/2 - 6	6
11	83032	FLAT WASHER 1 1/2" "N" SERIES	8
12	122336	BOLT, HEX 3/4 - 16 X 3"	12
13	204727-04	SOC. HD. SCREW - 3/4-10 X 2 1/4"	4
14	138651-04	BOLT, SHOULDER 5/8 X 2 1/2" (1/2 - 13 THREAD)	24
15	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	12
16	93122	BOLT, HEX 5/8 - 11 X 2 1/4"	24
17	83752-04	LOCKWASHER 3/4" SPRING STEEL	16
18	84717	LOCKWASHER 5/8" SPRING STEEL	36
19	10D63	FLAT WASHER 5/8" HARD	24
20	139741-04	NUT, CTR. GRIP LOCK 1/2 - 13	24

C-2 LINER & BOTTOM PLATE ASSEMBLY
(200518-01)





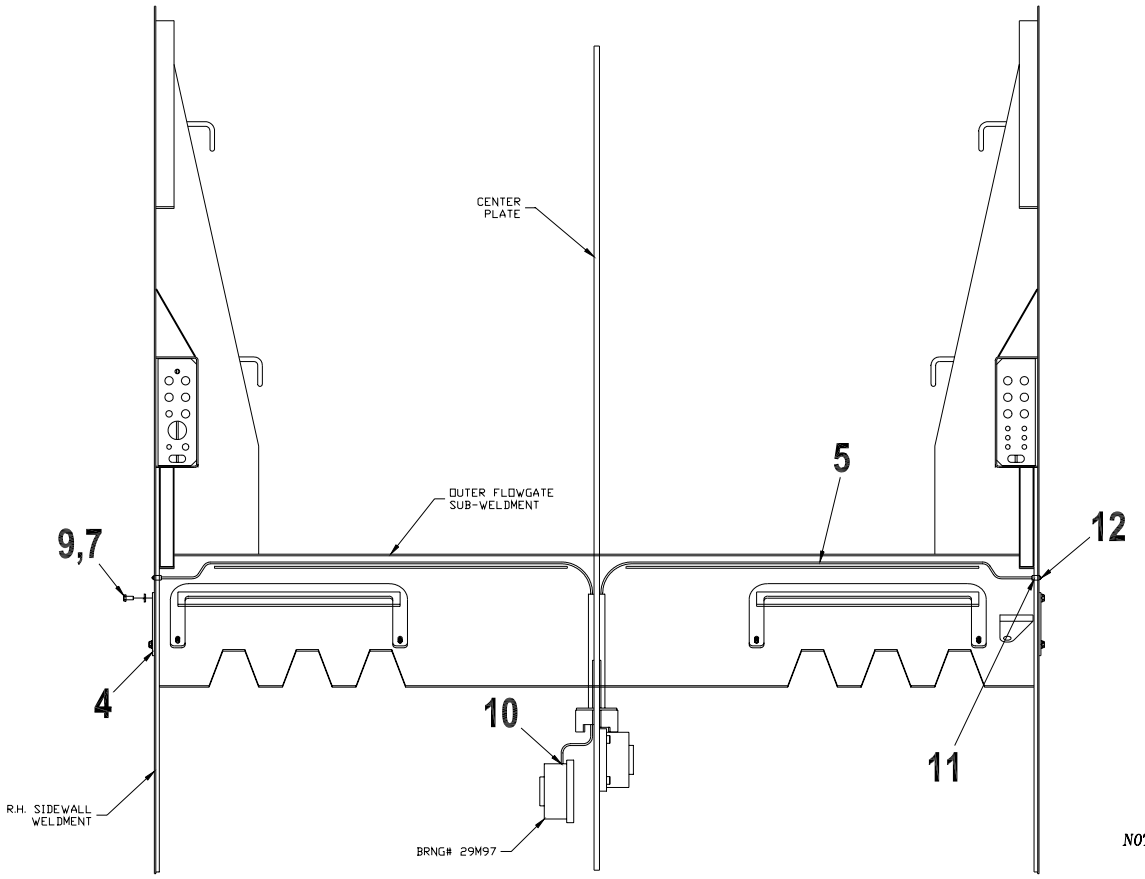


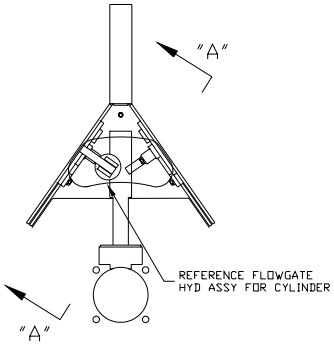
SECTION VIEW "A-A"

C-2 LINER & BOTTOM PLATE ASSEMBLY
(200518-01)

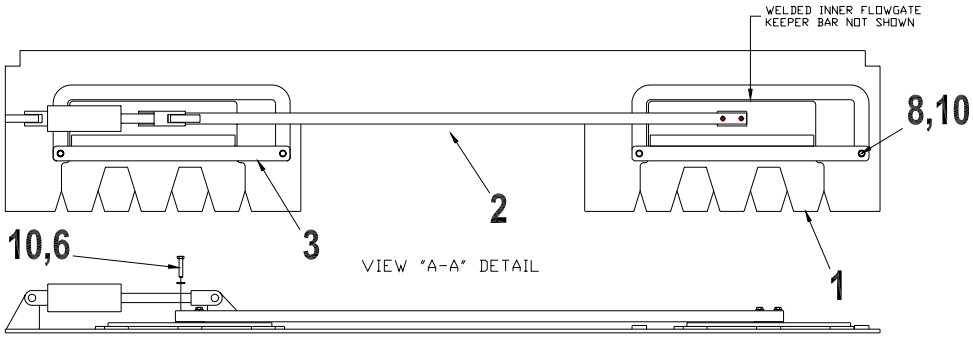
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	BN-906-7143A	BOTTOM FRONT NI-HARD LINER	1
2	BN-906-7143	BOTTOM NI-HARD LINER	6
3	200174-03	BOTTOM REAR AR-400 LINER	1
4	149876-03	SIDE LINER (CSK)	6
5	149877-03	SIDE LINER (TAPPED)	18
6	200175-03	C-2 BOTTOM LINER (AUGER END)	1
7	200176-03	C-2 BOTTOM PLATE	6
8	200521-02	C-2 CHUTE	1
9	29C18	BOLT, C'SUNK 1/2 - 13 X 1 3/4"	45
10	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	34
11	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	28
12	83781-04	FLAT WASHER 1/2" STEEL	141
13	83317	LOCKWASHER 1/2" SPRING STEEL	107
14	83288	NUT, HEX 1/2 - 13	67
15	120872-03	HOSE PROTECTOR PLATE	1
16	200187-03L	L.H. C-2 CONVEYOR SIDE PLATE	
17	149996-01	CENTER PLATE	

FLOWGATE ASSEMBLY
(202752-01)





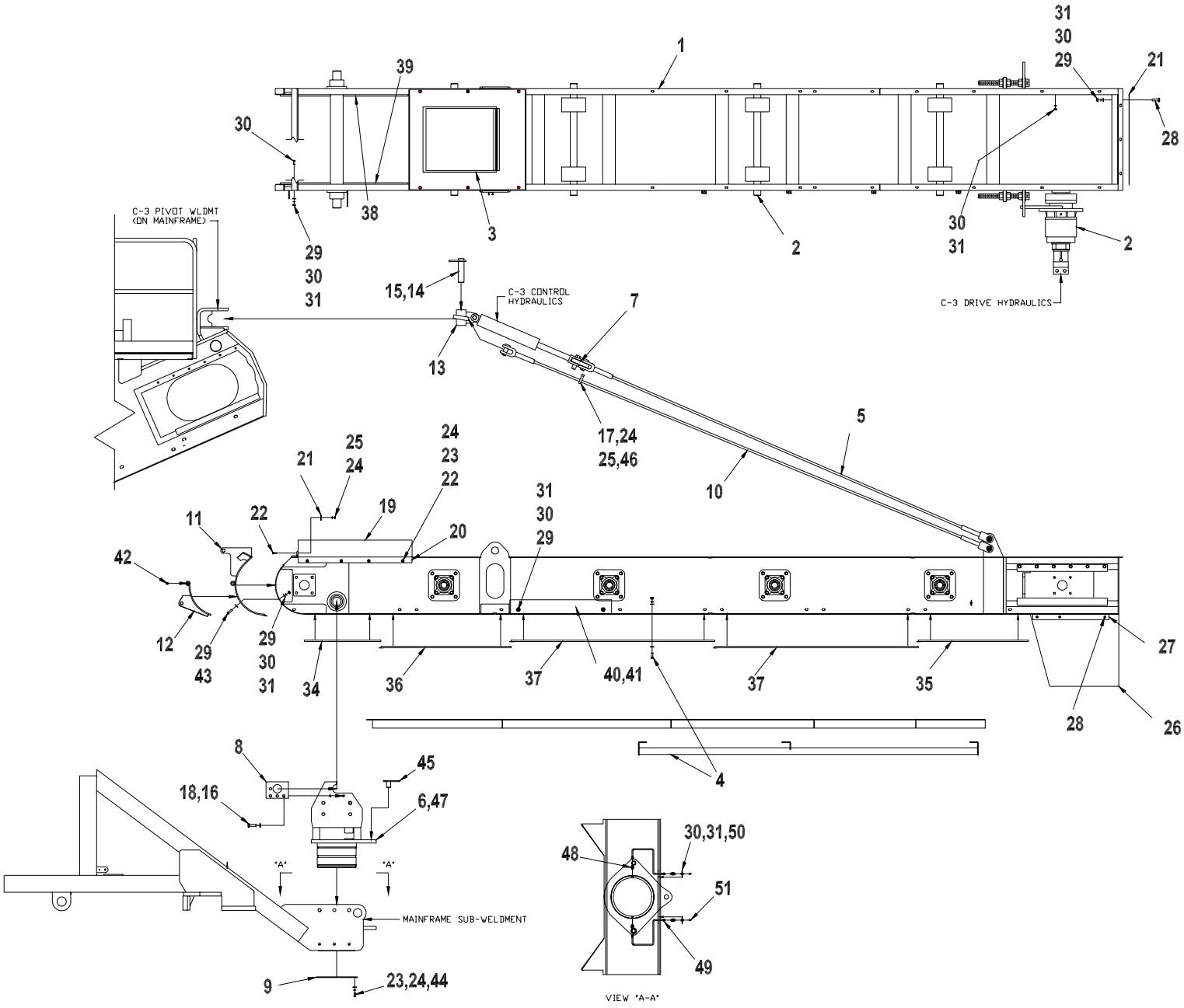
NOTE: FLOWGATE CYLINDERS ARE ONE PER SIDE (L.H. FLOWGATE CYLINDER NOT SHOWN)



FLOWGATE ASSEMBLY
(202752-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202751-03	INNER FLOWGATE	4
2	200178-03	FLOWGATE TIE ROD	2
3	200145-03	INNER FLOWGATE KEEPER BAR	4
4	202514-03	FLOWGATE ACCESS COVER	2
5	205817-04	GREASE LINE - 1/4" X 94" W/ 4 JIC SWIVEL ENDS	2
6	26C56	BOLT, HEX 1/2 - 13 X 2 1/4"	8
7	83754	BOLT, HEX 1/2 - 13 X 1"	10
8	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	8
9	83317	LOCKWASHER 1/2" SPRING STEEL	26
10	99509	FITTING - 1/8" NPT X 4 JIC 45	2
11	83742-04	FITTING - 1/8" NPT X 4 JIC ST CONNECTOR	2
12	83416	GREASE FITTING - 1/8" NPT	2

C-3 CONVEYOR ASSEMBLY
(205717-01)



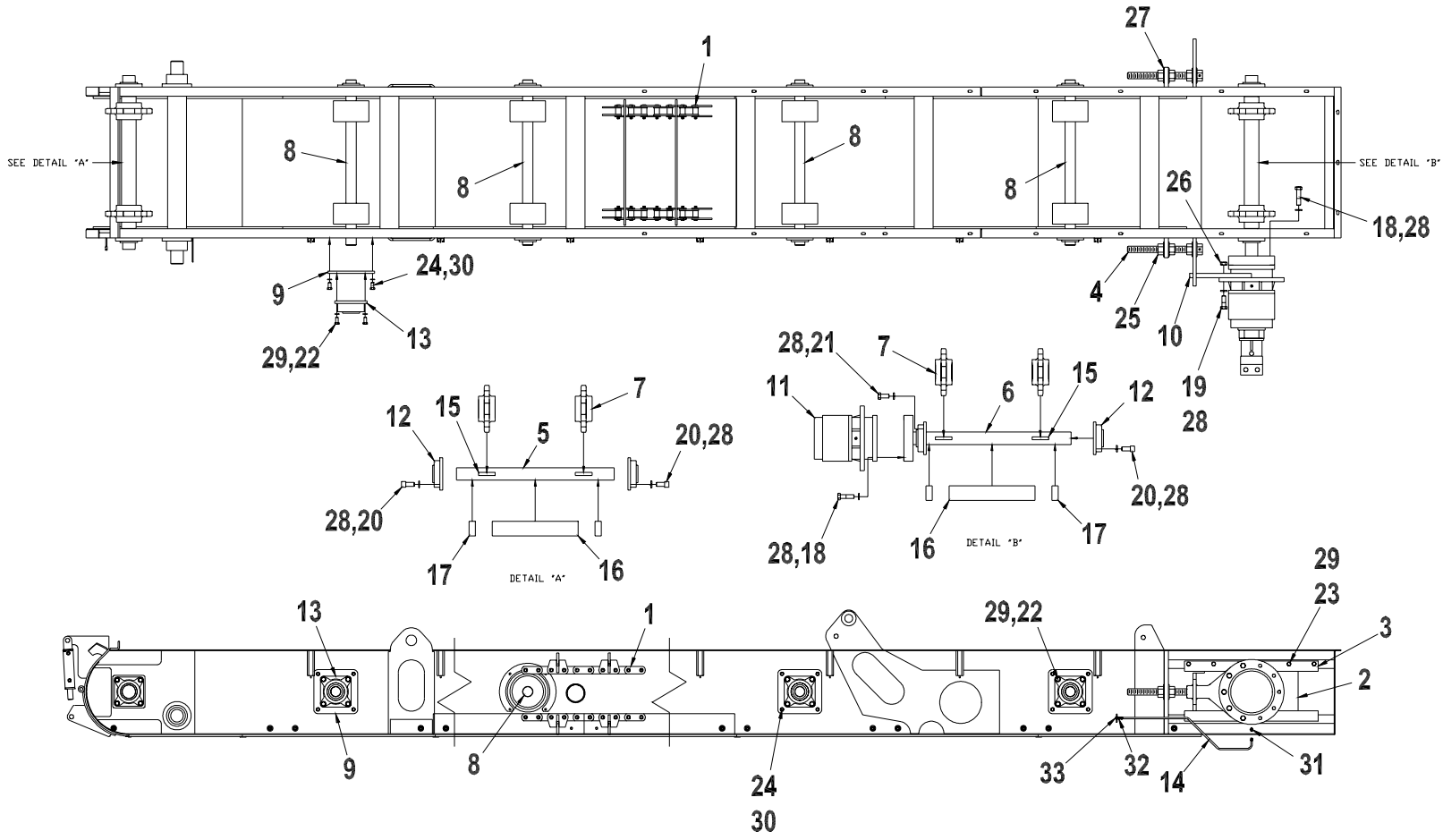
C-3 CONVEYOR ASSEMBLY
(205717-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204786-01	C-3 CONVEYOR	1
2	205716-01	C-3 CHAIN AND IDLER	1
3	204788-01	C-3 TOP COVER	1
4	200528-01	C-3 INSULATION AND TRUCK RAIL	1
5	200783-04	C-3 SAFETY CABLE X 156'	2
6	201177-01	PIVOT YOLK	1
7	204755-03	C-3 SPREADER BAR	1
8	121890-02	LOCK PLATE	2
9	201178-03	BOTTOM KEEPER PLATE	1
10	204779-04	CABLE - C-3 SAFETY X 226"	2
11	128909-03	END COVER PLATE	1
12	128833-01	CLEAN-OUT DOOR	1
13	200188-03	C-3 CONVEYOR LINK	1
14	200527-03	C-3 CONVEYOR LINK PIN	1
15	90565	GREASE FITTING - 1/4 NPT ST	1
16	83752-04	LOCKWASHER - 3/4 (SPRING STEEL)	8
17	90087-04	CHAIN LOOP - BOLT ON	2
18	93723	HEX BOLT - 3/4-10 X 2 1/2 GR8	8
19	125193-01	FLASHING (RECEIVING)	1
20	122124-04	FLASHING CLAMP BAR (RECEIVING)	2
21	99789-04	FLASHING CLAMP BAR (INNER)	2
22	83924	HEX BOLT - 3/8-16 X 1 1/2 GR8	11
23	83757	FLAT WASHER - 3/8 STEEL	14
24	83056	LOCKWASHER - 3/8 SPRING STEEL	18
25	83055	HEX NUT - 3/8-16 GR8	7
26	142166-01	FLASHING (DISCHARGE)	1
27	99788-04	FLASHING CLAMP BAR (DISCHARGE)	2
28	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	9
29	83781-04	FLAT WASHER - 1/2 STEEL	45
30	83317	LOCKWASHER - 1/2 SPRING STEEL	47
31	83288	HEX NUT - 1/2-13 GR8	47
32	125232-04	4" FLEX HOSE X 240"LG.	1
33	129000	4 1/2" HOSE CLAMP (IDEAL #646)	2
34	148641-03	BOTTOM LINER - 27"	1
35	148640-03	BOTTOM LINER - 39"	1
36	148639-03	BOTTOM LINER - 46"	1
37	148638-03	BOTTOM LINER - 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	1
43	89142	HEX BOLT - 1/2-13 X 1 3/4 GR8	6
44	84332	HEX BOLT - 3/8-16 X 1 GR8	3
45	122102-03	C-3 CONVEYOR SHIPPING PIN	1
46	OO883	BOLT - 3/8-16 X 2 3/4 HEX GR8	4
47	89929-04	GREASE FITTING - 1/4-28 90 DEG.	2
48	83742-04	FIT - 1/8 NPT X 4 JIC ST CONNECTOR	4
49	134217-04	GREASE LINE - 1/4 X 17 1/2 (4 JIC SW ENDS)	2
50	205439-03	GREASE LINE BRACKET	2

C-3 CONVEYOR ASSEMBLY
(205717-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	83416	GREASE FITTING - 1/8 NPT ST	2

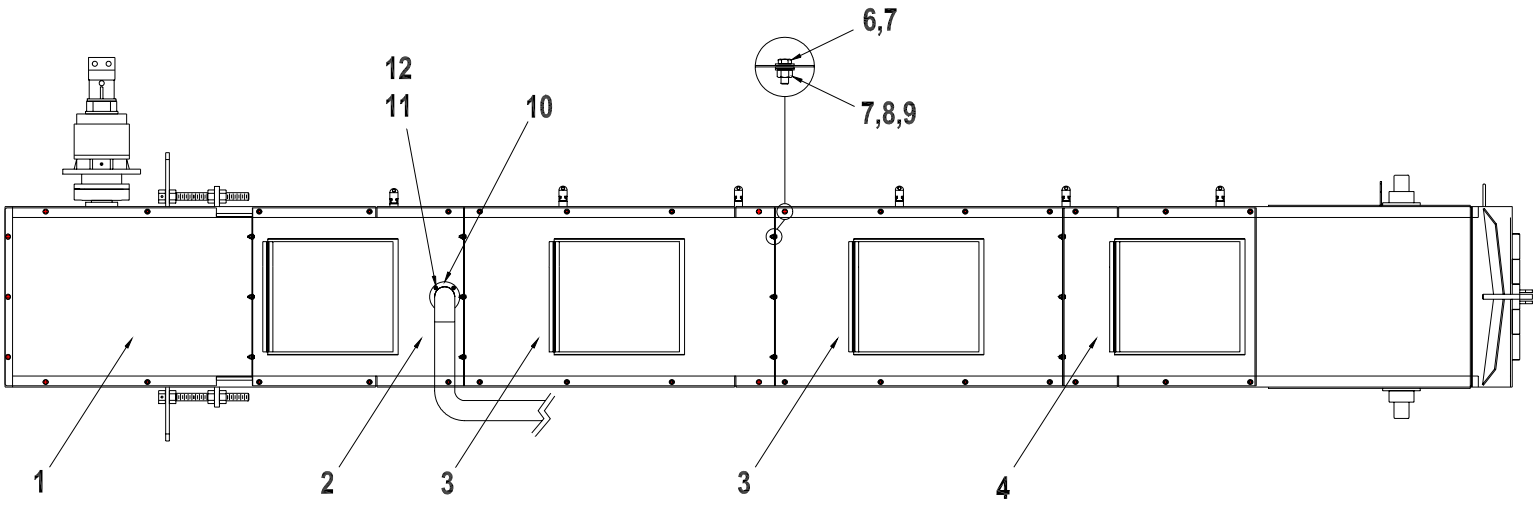
C-3 CHAIN & IDLER ASSEMBLY
(205716-01)

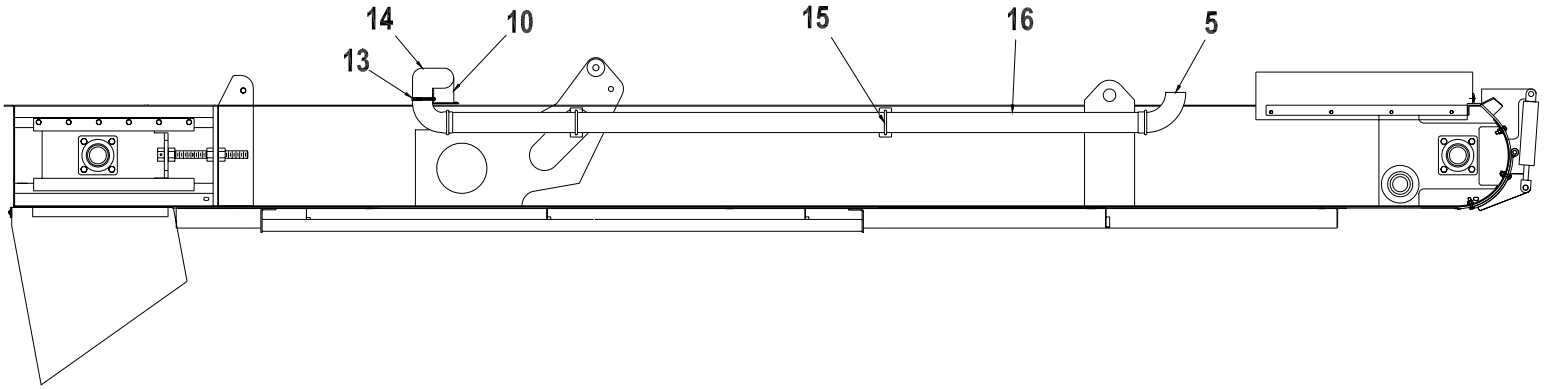


C-3 CHAIN & IDLER ASSEMBLY
(205716-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138907-02	CHAIN ASSEMBLY	1
2	122406-01	TAKE-UP PLATE	2
3	122419-03	TAKE-UP KEEPER BAR	2
4	99060-04	TAKE-UP SCREW	2
5	99784-03	TAIL SHAFT	1
6	99779-01	HEAD SHAFT	1
7	144482-02	10 TOOTH SPROCKET (BOLTS SUPPLIED)	4
8	146687-01	IDLER	4
9	99364-03	BEARING MOUNT PAD	8
10	99778-03	ADJUSTMENT ARM	1
11	203740-01	C-1/ C-3 DRIVE GEARBOX	1
12	29G14	4 BOLT FLANGED BEARING (3" SHAFT)	4
13	88993-04	4 BOLT FLANGED BEARING (2 7/16 SHAFT)	8
14	144367-04	GREASE LINE - 1/4 X 36 WITH 4 JIC SW	2
15	OO965	KEYSTOCK - 3/4 X 4 LG	4
16	10385	RD TUBE - 3 1/2 X 3/16 WA X 20 7/16 LG	2
17	10385	RD TUBE - 3 1/2 X 3/16 WA X 1 1/2 LG	4
18	133348	HEX BOLT - 3/4-16 X 3 1/2 GR8	8
19	95930	HEX BOLT - 3/4-10 X 2 3/4 GR8	5
20	93212	BOLT - 3/4-10 X 2 S.H.C.S.	12
21	93071	HEX BOLT - 3/4-10 X 2 GR8	4
22	89143	HEX BOLT - 5/8-11 X 1 3/4 GR8	32
23	84778	HEX BOLT - 5/8-11 X 1 1/2 GR8	12
24	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	32
25	83031	HEX NUT - 1 1/2-6 GR8	6
26	95938	NUT - 3/4-10 JAM	5
27	83032	FLAT WASHER - 1 1/2 "N" SERIES	8
28	83752-04	LOCKWASHER - 3/4 SPRING STEEL	29
29	84717	LOCKWASHER - 5/8 SPRING STEEL	44
30	83317	LOCKWASHER - 1/2 SPRING STEEL	32
31	99509	FITTING - 1/8 NPT X 4 JIC 45 CONNECTOR	2
32	83742-04	FITTING - 1/8 NPT X 4 JIC ST CONNECTOR	2
33	83416	GREASE NIPPLE - 1/8 NPT	2

C-3 TOP COVER W/ FUME-EX ASSEMBLY
(204788-01)

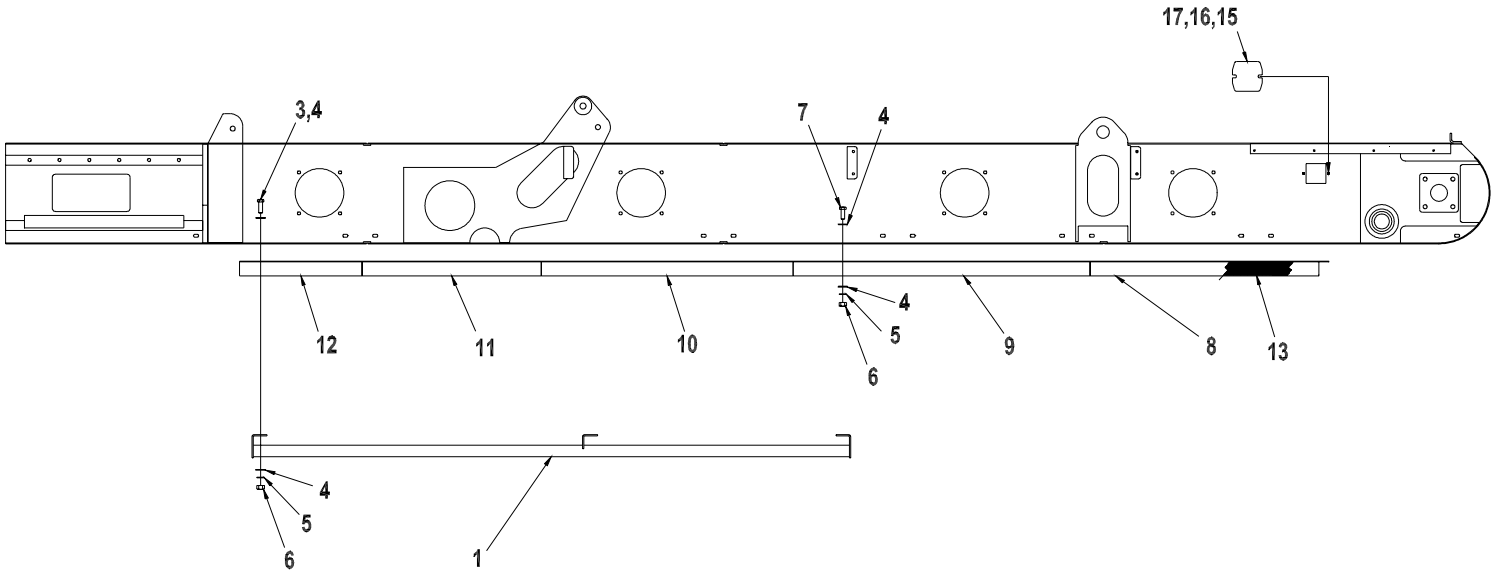




C-3 TOP COVER W/ FUME-EX ASSEMBLY
(204788-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145557-03	TOP COVER (DISCHARGE END)	1
2	145558-03	TOP COVER	1
3	204780-03	TOP COVER (MIDDLE)	2
4	145561-03	TOP COVER (RECEIVING END)	1
5	29H38	ELBOW - 4" ALUMINIZED 90	2
6	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	40
7	83757	FLAT WASHER 3/8" STEEL	80
8	83056	LOCKWASHER 3/8" SPRING STEEL	40
9	83055	NUT, HEX 3/8 - 11 GD. 8	40
10	129111-02	FLANGED ELBOW (FOR FUME-X)	1
11	83065	LOCKWASHER 1/4" SPRING STEEL	4
12	89772	NUT, HEX 1/4 - 20 GD. 8	4
13	129000	HOSE CLAMP 4 1/2" (IDEAL #646)	2
14	125232-04	FLEX-HOSE 4" - 2 PLY X 32" LG.	1
15	93129	CLAMP, MUFFLER 4"	4
16	138462-04	FUME-X TUBE 12' LG.	1

C-3 INSULATION PANEL & TRUCK RAIL
(200528-01)



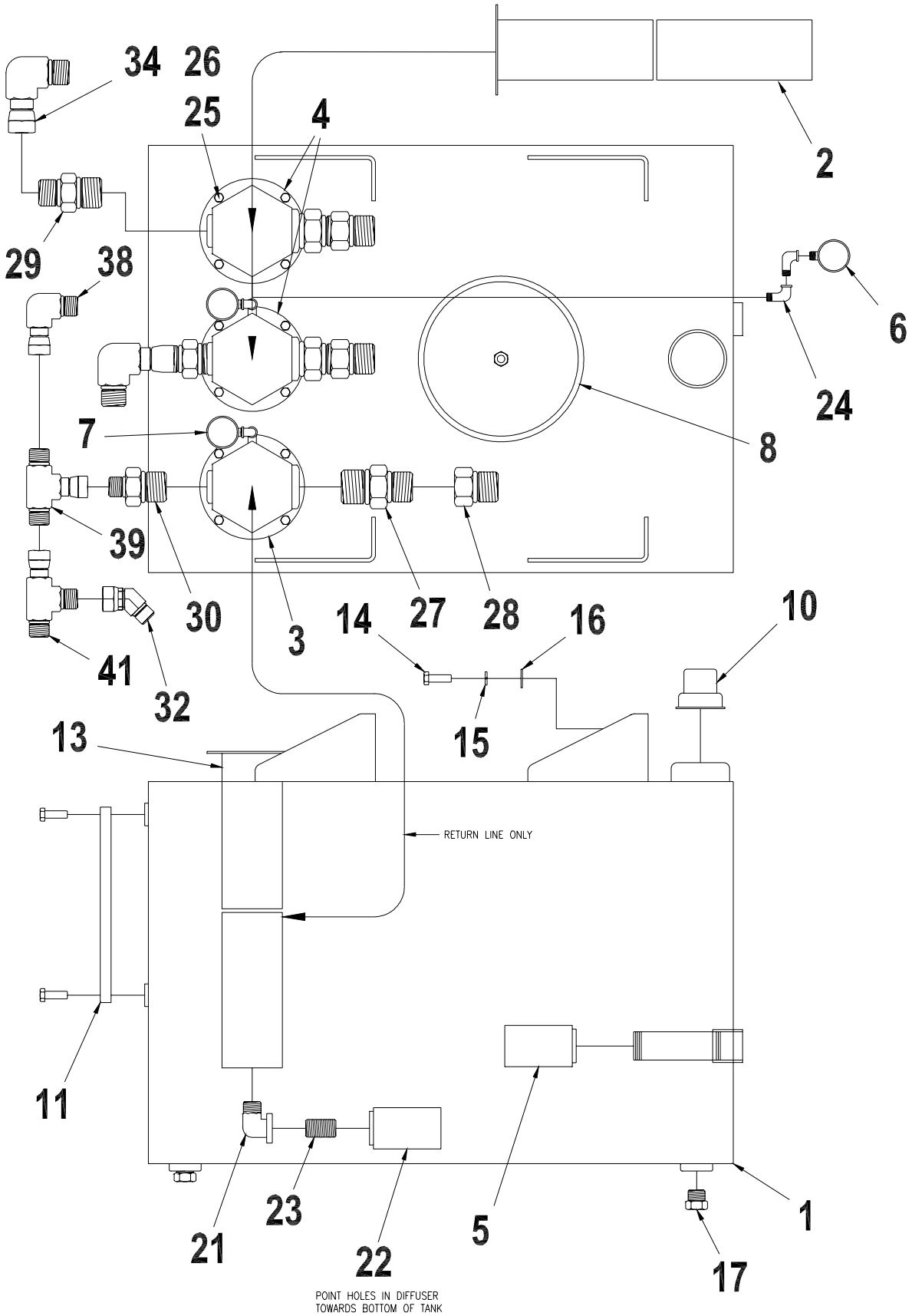
C-3 INSULATION PANEL & TRUCK RAIL
(200528-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	141290-01L	LH TRUCK RAIL	1
2	141290-01R	RH TRUCK RAIL	1
3	84674	HEX BOLT, 1/2 - 13 X 2 GR8	6
4	83781-04	FLAT WASHER, 1/2 STEEL	60
5	83317	LOCKWASHER, 1/2 SPRING STEEL	30
6	83288	HEX NUT, 1/2 - 13 GR8	30
7	89142	HEX BOLT, 1/2 - 13 X 1 3/4 GR8	24
8	131774-01	INSULATION COVER	1
9	131775-01	INSULATION COVER	1
10	131776-01	INSULATION COVER	1
11	131777-01	INSULATION COVER	1
12	131778-01	INSULATION COVER	1
13	133941-04	INSULATION, FIBERBOARD 3" X 48" X 96"	3
14	133842	LG. SELF-YAPPING SCREW 1/4 X 1/2	8
15	129384-03	CHAIN INSPECTION PLATE	1
16	83757	FLAT WASHER, 3/8 STEEL	2
17	129027	WING NUT, 3/8 X 16	2

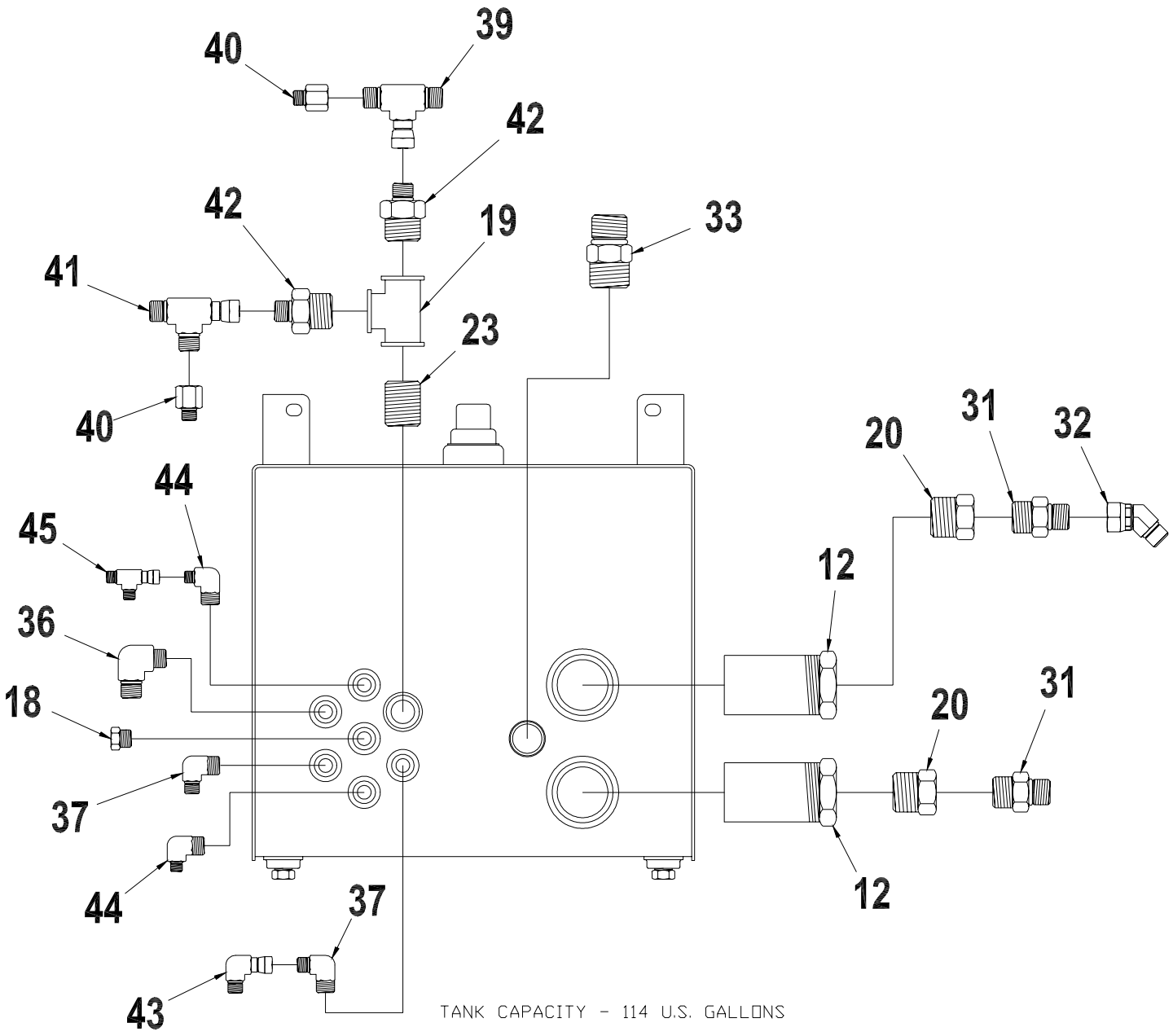
SECTION 4 : HYDRAULICS

ASSEMBLY	PART NO .	S/N	PAGE NO.
HYDRAULIC TANK	200655-01	640 & UP	4.1
AUXILIARY PUMP	200672-01		4.5
BRAKE (ROCKWELL AXLES)	201481-01		4.7
BRAKE ACCUMULATOR	202729-03		4.9
R.H. BRAKE ACTUATOR	202728-03		4.11
L.H. BRAKE ACTUATOR	202727-03		4.13
BRAKE MANIFOLD	202724-03		4.15
FUME CONTROL	143490-02		4.17
C-1 CONVEYOR DRIVE	147397-01		4.19
C-1 HOPPER	200789-01		4.23
C-1 HOPPER CONTROL MANIFOLD	202174-02		4.25
C-1 RAISE / LOWER	201371-01		4.27
C-1 RAISE/LOWER MANIFOLD	202137-01		4.29
C-1 HYD. PUSH ROLLER	200792-01		4.31
PUSH ROLLER MANIFOLD	202820-02		4.33
C-2 CONVEYOR DRIVE	149543-01		4.35
C-2 HOPPER CLEAN OUT	149422-01		4.39
C-3 CONVEYOR DRIVE	145972-01		4.41
C-3 CONTROL	200806-01		4.43
C-3 CNTL. MANIFOLD	202240-02		4.45
FLOWGATE	200774-01		4.47
FLOWGATE CNTL. MANIFOLD	202277-02		4.49
HOOD RAISE	204266-01		4.51
DRIVE (PROPEL)	200772-01		4.53
STEERING	149416-01		4.57
DIFF. LOCK VALVE	202267-02		4.59
HAND PUMP / PILOT VALVE MANIFOLD	202291-03		4.61
HYDRAULIC CHANNEL ASSY.	205434-01		4.63
SPEED CHART	204417-01		
SCHEMATIC	204722-01		
HOSE LIST	204537-04		

SB-2500C HYDRAULIC TANK ASSEMBLY
(200655-01)



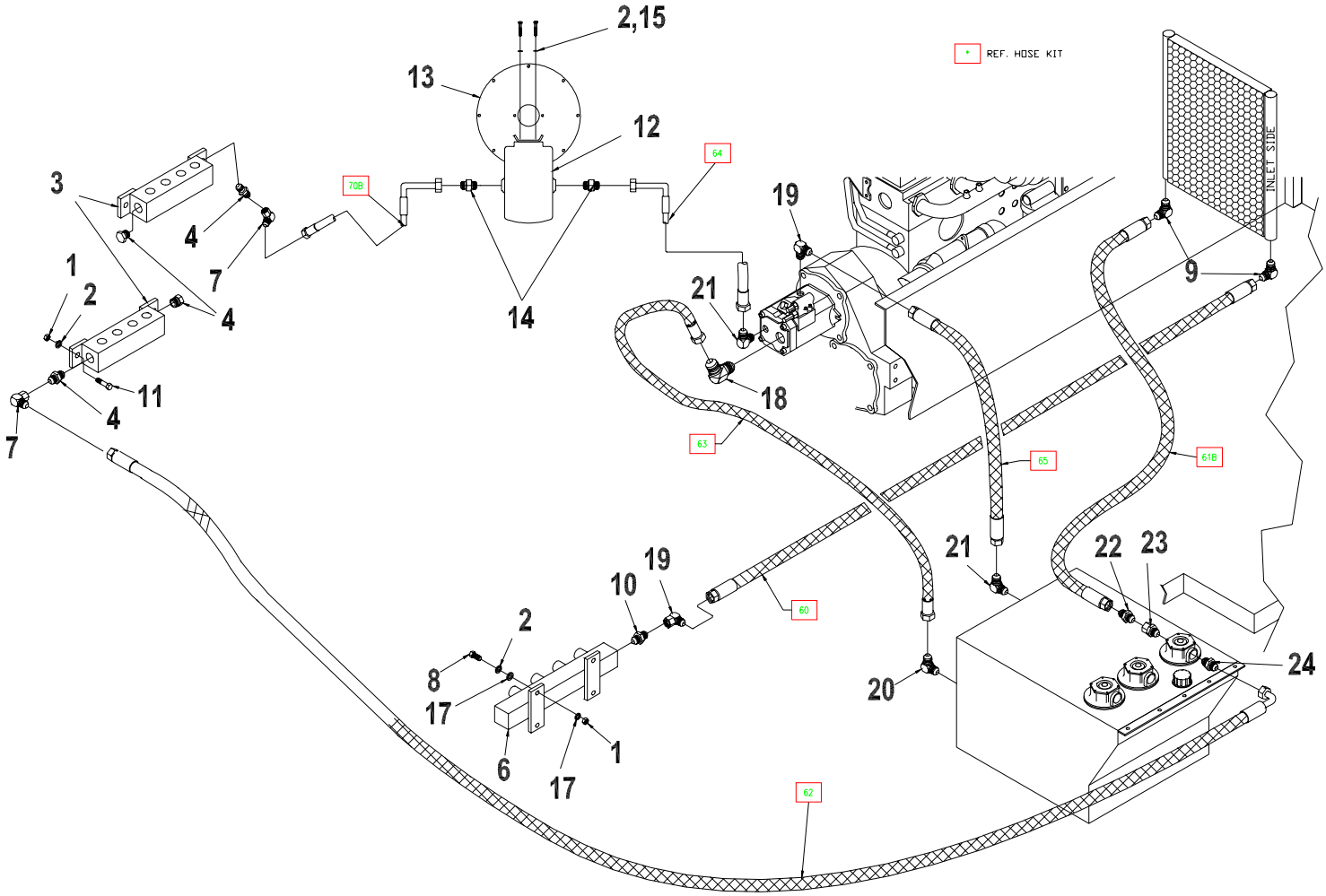
SB-2500C HYDRAULIC TANK ASSEMBLY
(200655-01)



SB-2500C HYDRAULIC TANK ASSEMBLY
(200655-01)

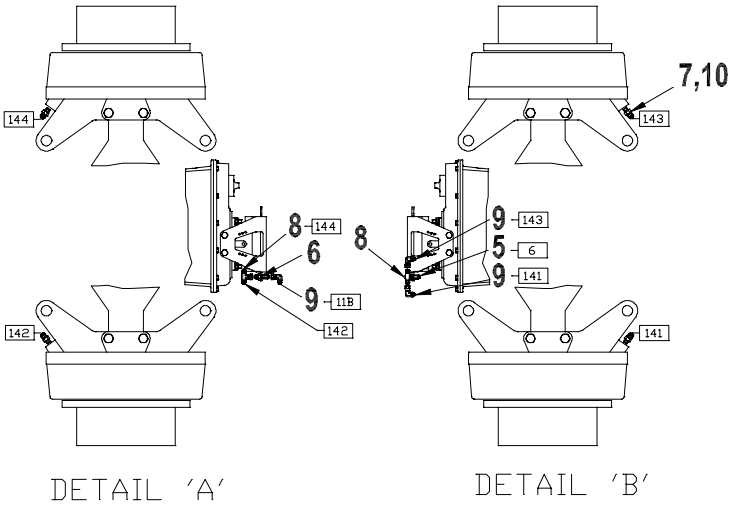
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200204-01	HYDRAULIC TANK	1
2	29G40	FILTER - ELEMENT 10 MICRON	4
3	29G37	FILTER HOUSING - 2 ELEMENT W/ BY-PASS	1
4	29G38	FILTER HOUSING - DOUBLE ELEMENT	2
5	29H27	FILTER - OIL SUMP TYPE 30 GPM	1
6	33019	GAUGE - VACUUM (SUCTION FILTER)	2
7	29E61	GAUGE - PRESSURE (USE W/ 15 PSI FILTER)	1
8	134983-04	RESERVOIR COVER W/ HARDWARE	1
9	142806-04	DRAIN TAG	1
10	87237-04	FILLER CAP	1
11	97412-04	GAUGE - CHANNEL LIQUID LEVEL	1
12	89013-04	FILTER - TANK STRAINER	2
13	137269-04	FILTER - ELEMENT 3 MICRON NOM.	2
14	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	4
15	83317	LOCKWASHER 1/2" SPRING STEEL	4
16	83781-04	FLAT WASHER 1/2" STEEL	4
17	142610-04	PIPE PLUG - 1" NPT	2
18	97032	PIPE PLUG - 3/4" NPT	1
19	89813-04	TEE - 1 1/4" NPT F.	1
20	89600	BUSHING - 1 1/4" X 2" NPT	2
21	92144	1 1/4" NPT 90	1
22	16W28	1/4" RETURN LINE DIFFUSER	1
23	80591	CLOSE NIPPLE 1 1/4" NPT	2
24	23J52	ELBOW - 1/8" NPT M. X 1/8" NPT F.	6
25	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	12
26	83056	LOCKWASHER 3/8" SPRING STEEL	12
27	28G05	24 SAE M. X 20 SAE F. ST ADAPTER	3
28	84244-04	CONNECTOR - 20 SAE X 20 JIC	3
29	84632-04	CONNECTOR - 20 SAE X 16 JIC	2
30	120671	12 JIC X 20 SAE ST	1
31	89605	CONNECTOR - 1 1/4" NPT X 16 JIC ST M.	2
32	89691	16 JIC 45 SWIV ELBOW	1
33	92993	24 JIC X 1 1/2" NPT M. ST	1
34	84654-04	16 JIC 90 SWIV ELBOW	2
35	90952-04	12 JIC 45 SWIV ELBOW	1
36	85490-04	12 JIC X 3/4" NPT M. 90	1
37	91663-04	8 JIC X 3/4" NPT 90 ELBOW	2
38	83764-04	12 JIC SWIV 90 ELBOW	2
39	89898-04	12 JIC SWIVEL BRANCH TEE	2
40	83456-04	12 JIC F. X 8 JIC REDUCER	2
41	84402-04	12 JIC SWIVEL RUN TEE	2
42	89804-04	12 JIC X 1 1/4" NPT ST CONNECTOR	2
43	83732-04	8 JIC M. X 8 JIC F. SWIV 90	1
44	120672	6 JIC X 3/4' NPT 90	2
45	84636-04	6 JIC SWIVEL RUN TEE	1

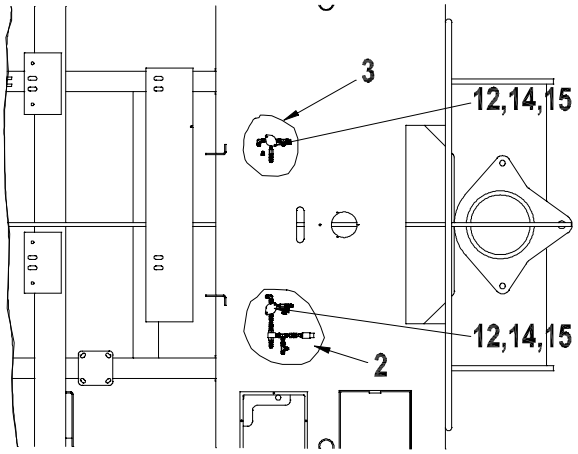
AUXILIARY PUMP & OIL COOLER HYDRAULICS
(200672-01)

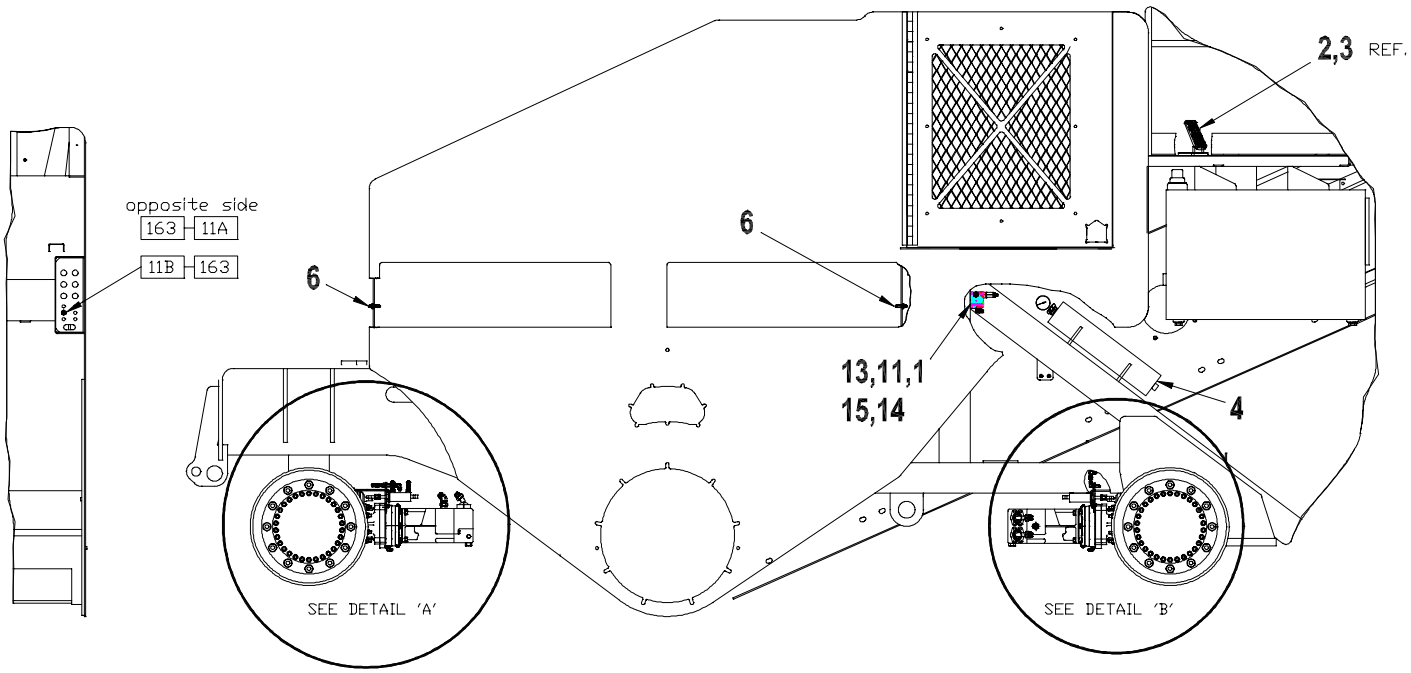


AUXILIARY PUMP & OIL COOLER HYDRAULICS
(200672-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	83055	HEX NUT - 3/8-16	8
2	83056	LOCKWASHER - 3/8	12
3	96066-04	MANIFOLD BLOCK	2
4	83457-04	12 JIC X 12 SAE ST	2
5	83979-04	12 SAE PLUG	2
6	200211-03	MANIFOLD BLOCK WELDMENT	1
7	83764-04	12 JIC SW 90	2
8	84332	HEX BOLT - 3/8-16 X 1 GR8	4
9	97168	20 JIC X 20 SAE 90	2
10	91677-04	20 JIC X 1 1/4 NPT ST	1
11	86127-04	HEX BOLT - 3/8-16 X 3/4 GR8	4
12	142799-03	HIGH PRESSURE IN-LINE FILTER	1
13	200203-03	FUME-X MOTOR MOUNT	REF
14	120671	12 JIC X 20 SAE ST	2
15	142926	BOLT - 3/8-24 UNF X 1 LG GR8	4
16	85216-04	20 JIC 90 SWIVEL ELBOW	1
17	83757	FLAT WASHER - 3/8	12
18	83768-04	24 JIC X 24 SAE ST	1**
19	97551	12 JIC X 10 SAE 90	1**
20	26J39	24 JIC X 1 1/2 NPT 90	1***
21	85490-04	3/4 NPT X 12 JIC 90	3***
22	84244-04	20 JIC X 20 SAE ST	1***
23	28G05	24 SAE X 20 SAE ST	1***
24	120671	12 JIC X 20 SAE ST	1***


144
142
8
144
6
9
11B
142
8
7,10
143
9
143
5
6
9
141
141
DETAIL 'A'
DETAIL 'B'


3
12,14,15
12,14,15
2


2,3 REF.
opposite side
163
11A
11B
163
6
6
13,11,1
15,14
4
SEE DETAIL 'A'
SEE DETAIL 'B'

BRAKE CIRCUIT HYDRAULICS
(201481-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202724-03	ASSEMBLY - BRAKE MANIFOLD	1
2	202727-03	ASSEMBLY - BRAKE ACTUATOR VALVE (LH)	1
3	202728-03	ASSEMBLY - BRAKE ACTUATOR VALVE (RH)	1
4	202729-03	ASSEMBLY - BRAKE ACCUMULATOR	1
5	85381	6 JIC BULKHEAD 90 DEG.	1
6	83475-04	UNION 6 JIC BULKHEAD STEEL	1
7	130259	BRAKE 1553 (NOT SHOWN)	4
8	89598	SWIVEL BRANCH TEE 6 JIC	2
9	83953-04	6 JIC F - 6 JIC M 90	3
10		BRAKE BLEEDER (INCL. W/ AXLE)	4
11	93061	HEX BOLT - 1/4" - 20 X 3 1/2"	2
12	89773	HEX BOLT - 1/4" - 20 X 1"	6
13	89772	HEX NUT - 1/4" - 20 GR 8	2
14	83065	LOCKWASHER - 1/4" SPRING STEEL	8
15	84444	FLAT WASHER - 1/4" STEEL	8
16			
17			
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19			
20			

BRAKE ACCUMULATOR
(202729-03)



(XX) - ITEM

[XXX] - HOSE NUMBER

BRAKE ACCUMULATOR
(202729-03)

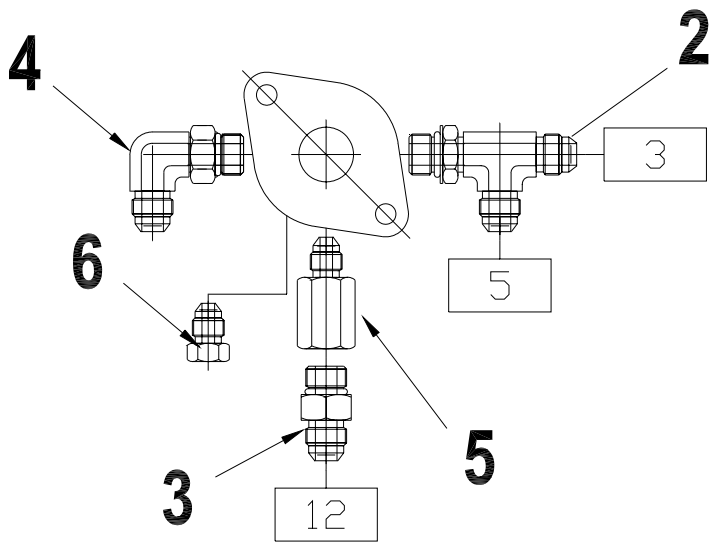
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99389	TANK, TOBUL ACCUMULATOR	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	136299-04	REDUCER, 20 SAE M. X 6 SAE FM. SWIVEL	1
4	86622-04	1/4 NPT M. X 6 JIC FM. SWIVEL	1
5	89059-04	GAUGE 0-3000 PSI U-N-U-GF	1
6			
7			
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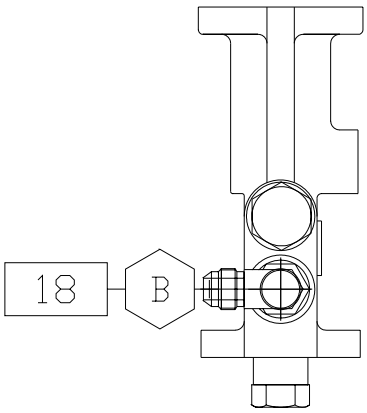
R.H. BRAKE ACTUATOR
(202728-03)

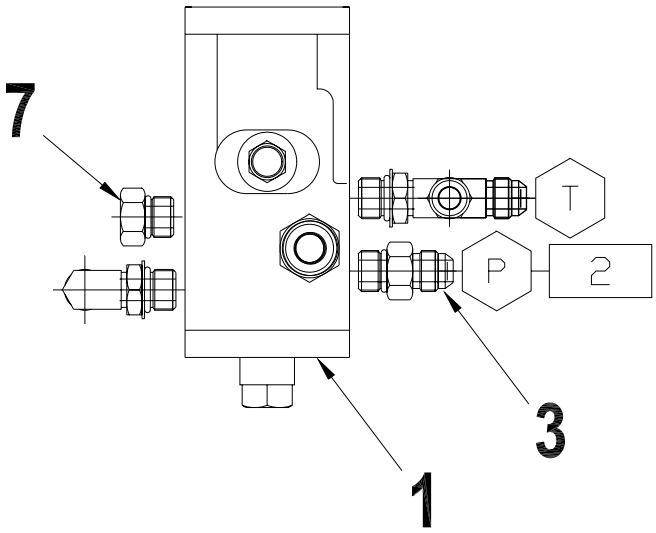
(X) - ITEM

XXX - HOSE NUMBER

(XX) - MANIFOLD PORT

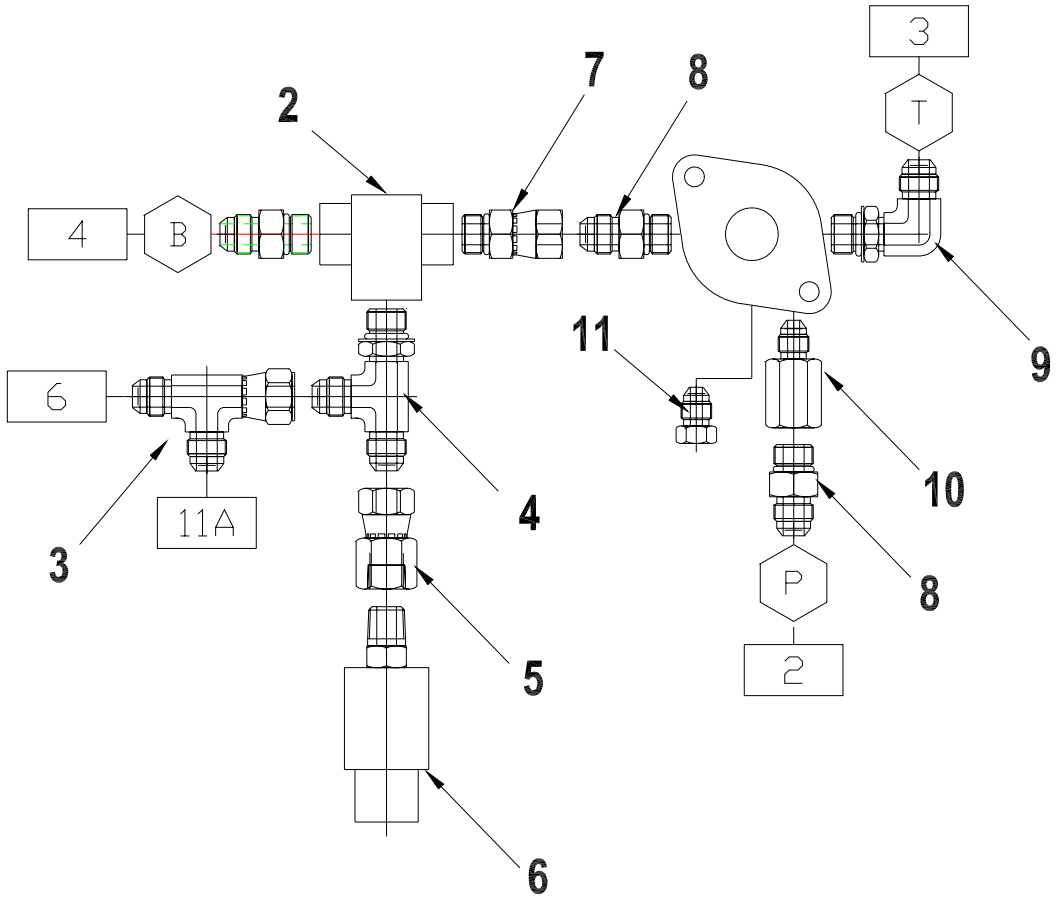






R.H. BRAKE ACTUATOR
(202728-03)

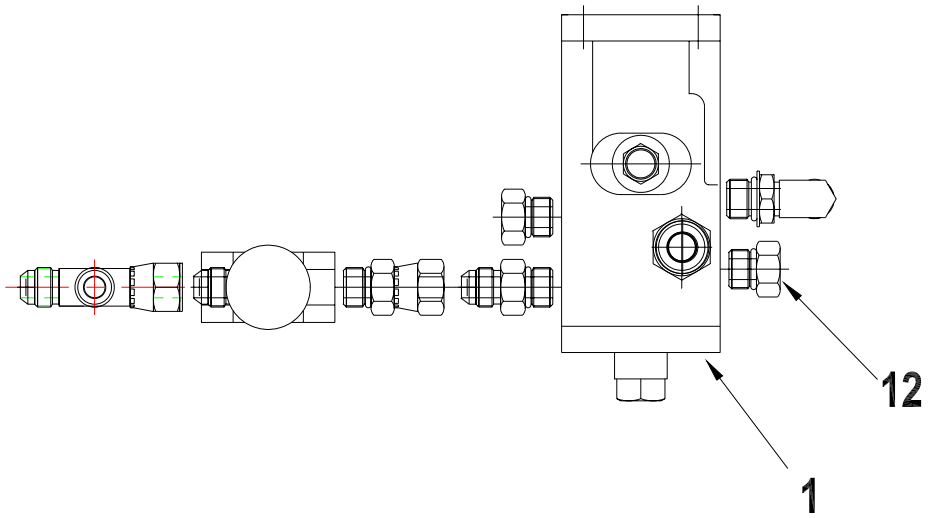
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99365	VALVE, ACTUATOR HYD. POWER BRAKE	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
4	83734-04	6 JIC X 6 SAE 90	1
5	88579-04	ADAPTER - 4 SAE M. X 6 SAE	1
6	89897-04	PLUG 4 SAE	1
7	84635-04	PLUG 6 SAE THIN-HEAD	1
8			
9			
10			



(X) - ITEM

[XXX] - HOSE NUMBER

(XX) - MANIFOLD PORT



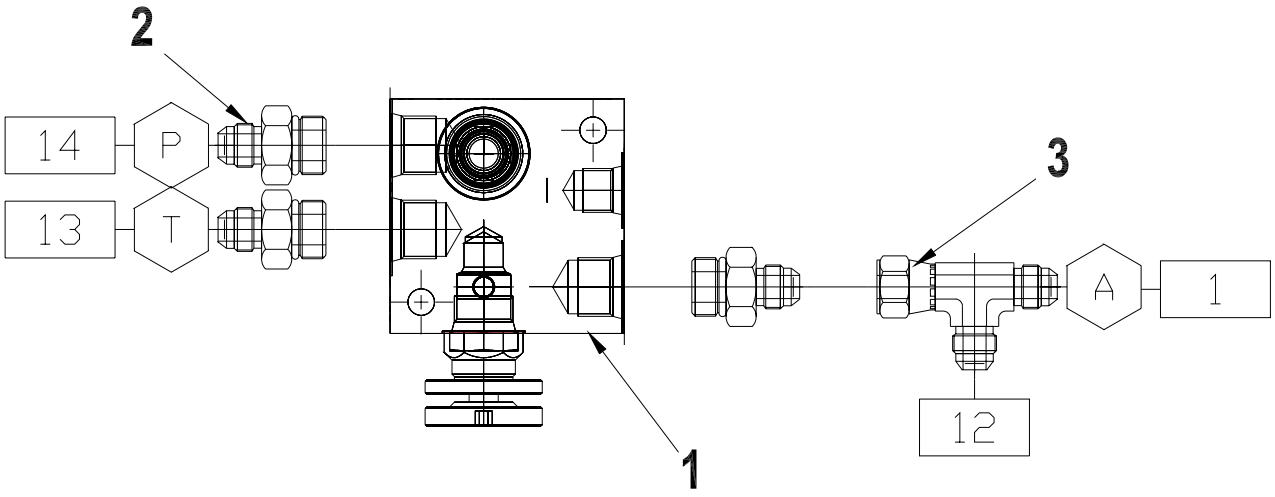
L.H. BRAKE ACTUATOR
(202727-03)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
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	SSWITCH, PRESSURE SP/ST 50 PSI	1
7	135923-04	6 SAE M. X 6 JIC FM. SW. STR.	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
13			
14			
15			

(X) - ITEM

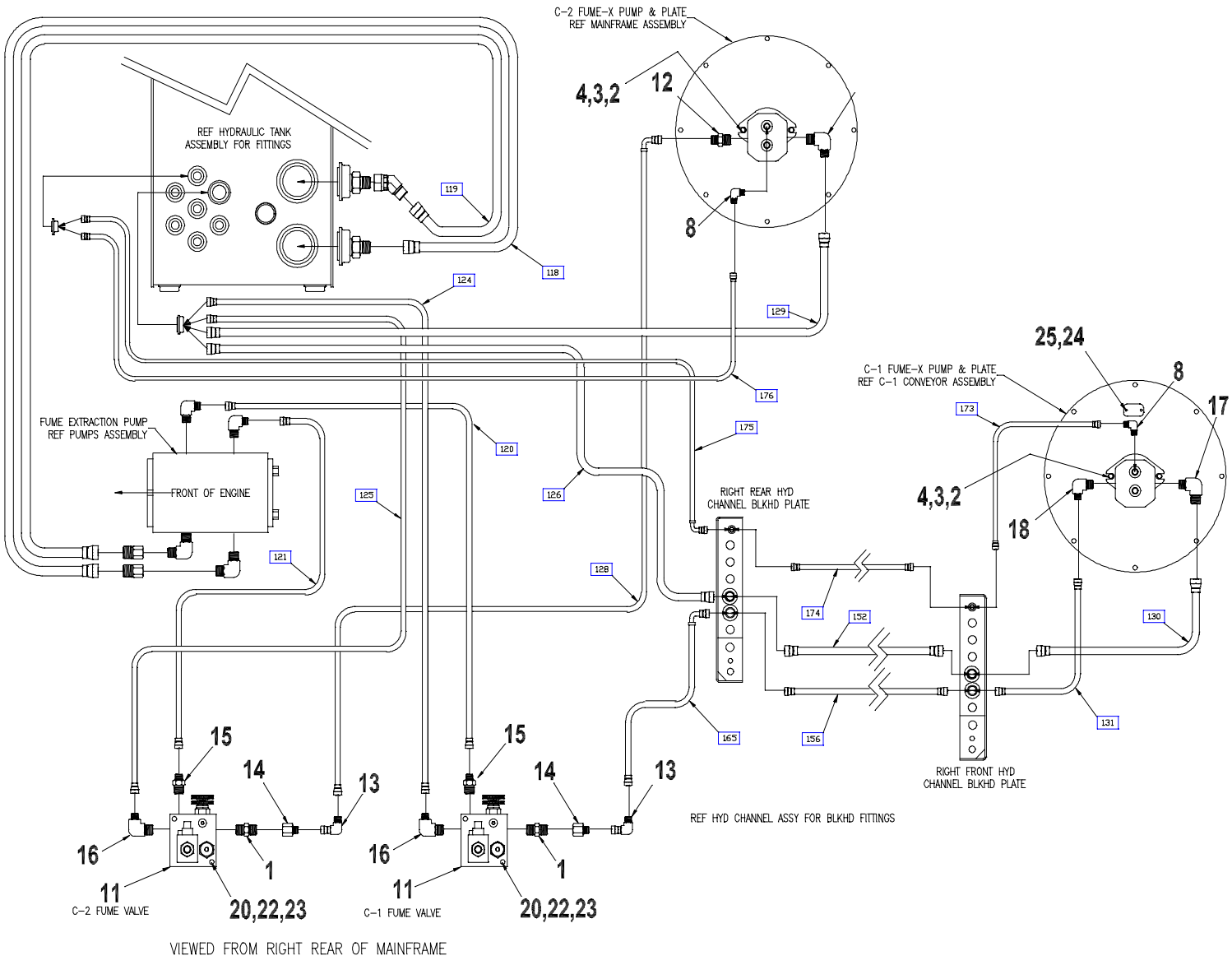
XXX - HOSE NUMBER

(XX) - MANIFOLD PORT



BRAKE MANIFOLD
(202724-03)

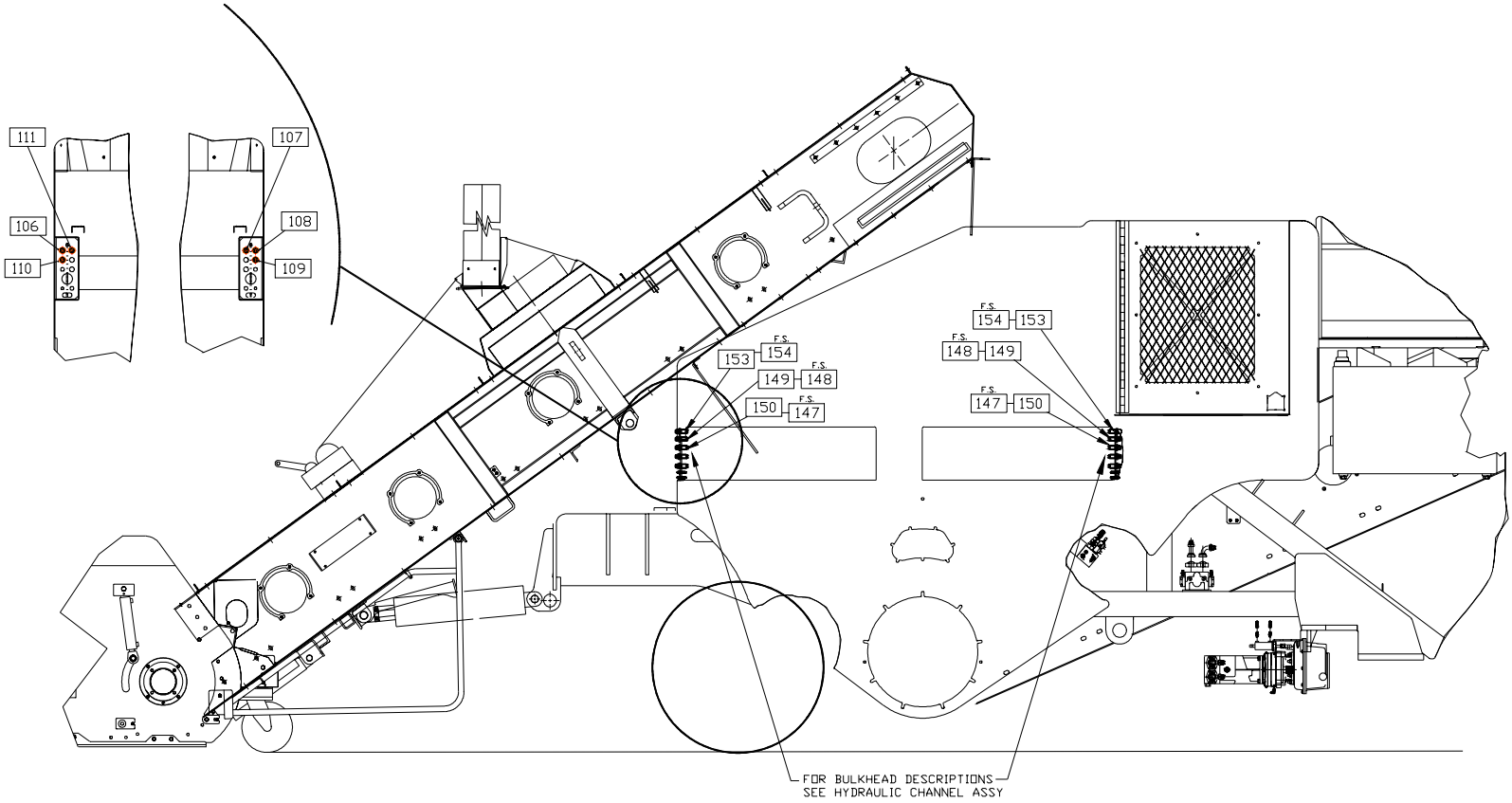
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142915-03	VALVE - MANIFOLD (BRAKE PRESSURE)	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE MALE	3
3	84636-04	6 JIC SWIVEL RUN TEE	1
4			
5			



VIEWED FROM RIGHT REAR OF MAINFRAME

FUME CONTROL HYDRAULICS
(143490-02)

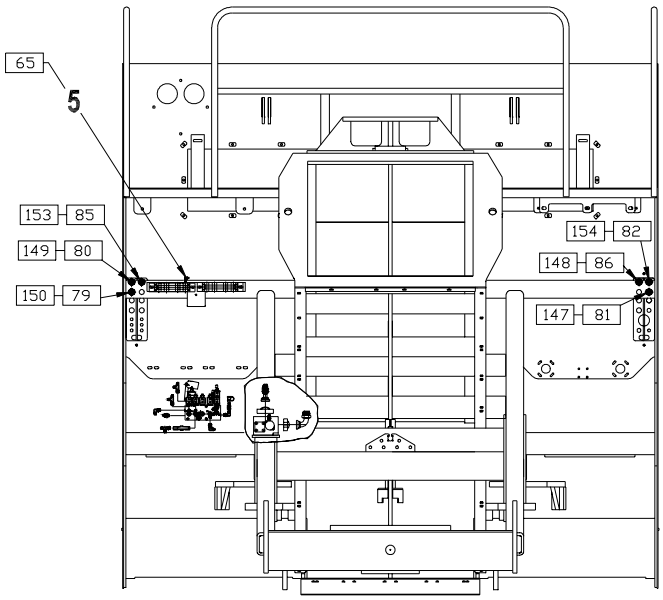
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142848-04	CHECK VALVE - # 12 100 PSI CRACKING	2
2	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	4
3	83757	FLAT WASHER 3/8"	8
4	93175	NUT, LOCK 3/8 - 16 (SPRING STEEL)	4
8	83734-04	CONNECTOR - 6 JIC X 6 SAE M. 90	2
10	127491	CONNECTOR - 8 JIC X 12 SAE 90	2
11	142284-03	MANIFOLD - FUME EXTRACTION	2
12	83704-04	CONNECTOR - 10 SAE X 8 JIC M. ST	1
13	83732-04	8 JIC M. X 8 JIC FEM. 90 SWIVEL	2
14	83456-04	12 JIC FEM. X 8 JIC M. REDUCER	2
15	89616	CONNECTOR - 12 SAE X 8 JIC M. ST	2
16	127491	CONNECTOR - 12 SAE X 8 JIC M. 90	2
17	97551	CONNECTOR - 10 SAE X 12 JIC M. 90	2
18	123831	CONNECTOR - 10 SAE X 8 JIC M. 90	1
19	93175	NUT, LOCK 3/8"	4
20	90882-04	BOLT, HEX 5/16 - 18 X 4"	4
21	87593-04	NUT, HEX 5/16"	4
22	87328-04	LOCKWASHER 5/16" SPRING STEEL	4
23	90871	FLAT WASHER 5/16" STEEL	4
24	83065	LOCKWASHER 1/4" SPRING STEEL	2
25	83144	BOLT, HEX 1/4 - 20 X 1/2"	2

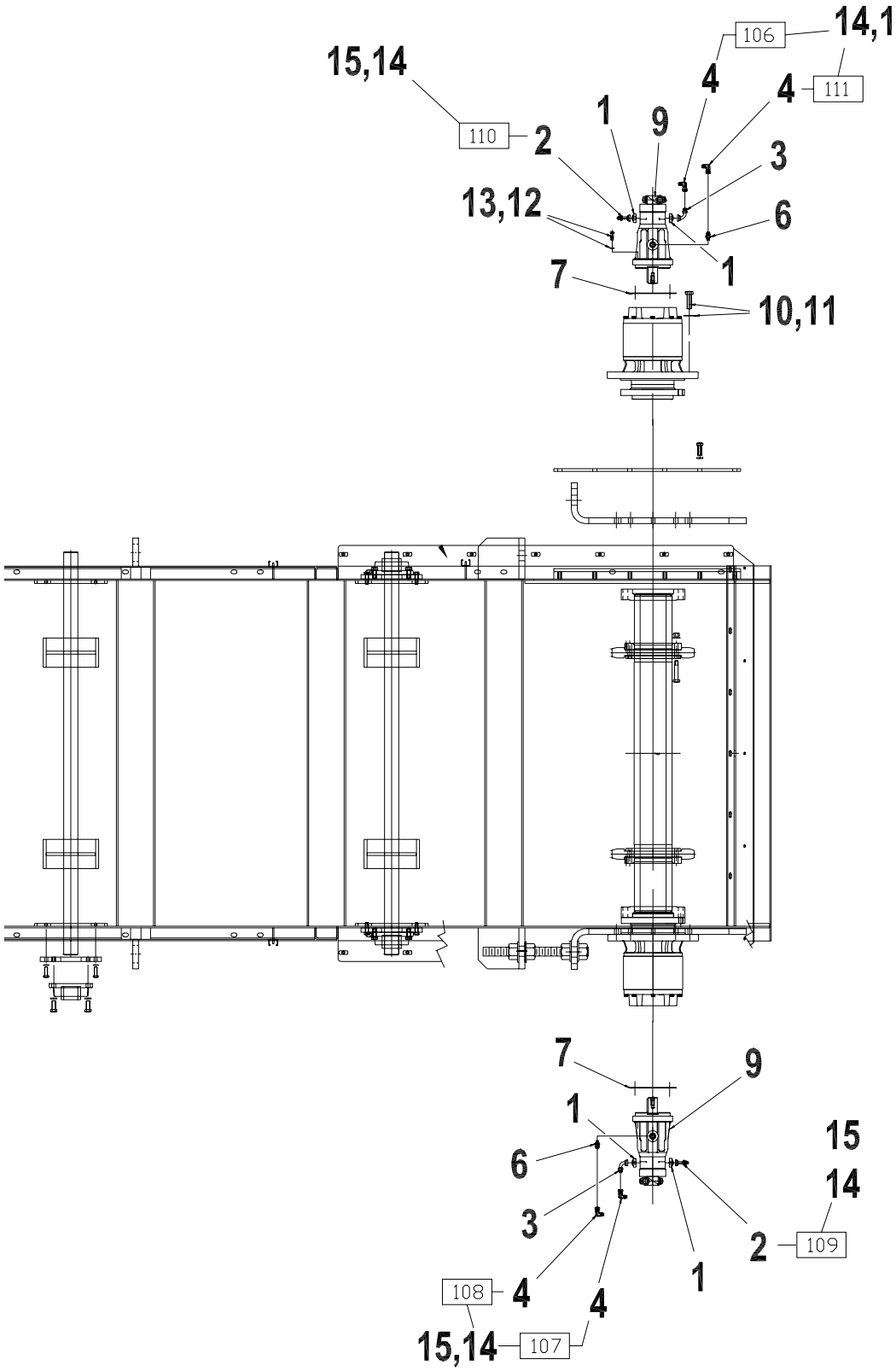


(XX) - ITEM

[XXX] - HOSE NUMBER

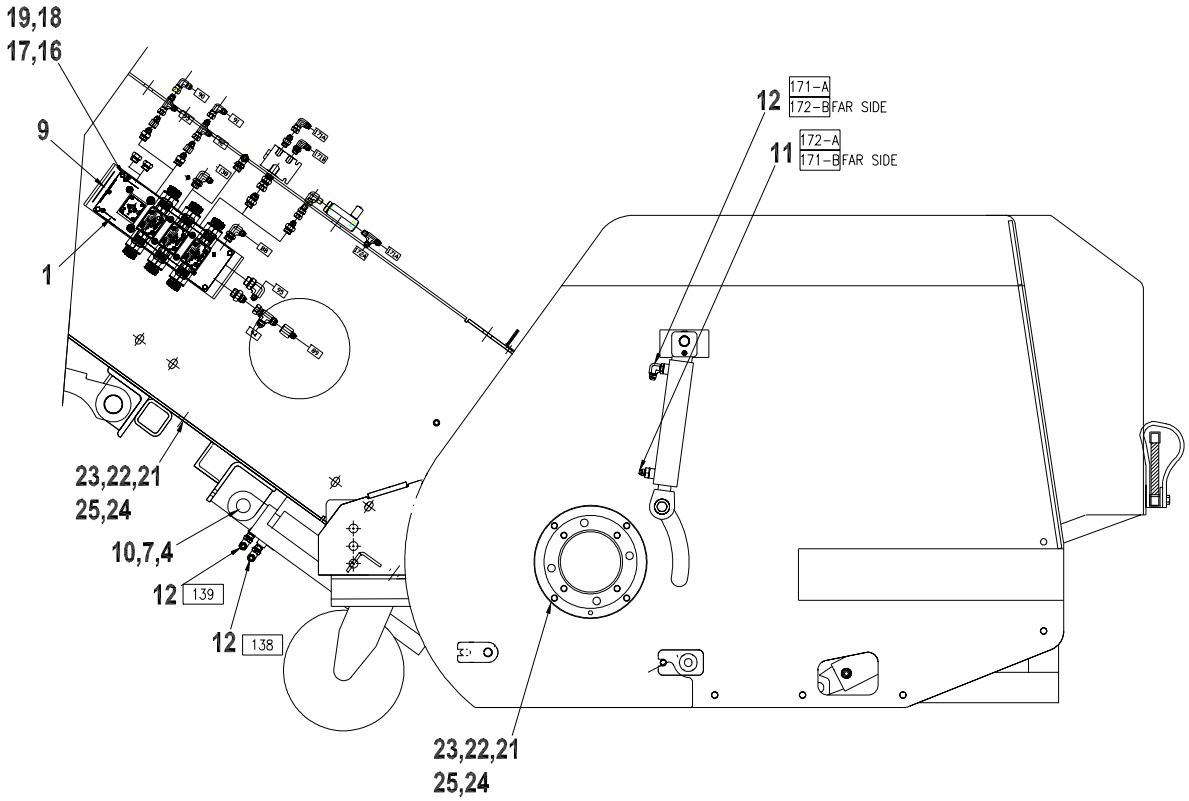
[X] SEE SB-1500B HOSE KIT (147300-04) FOR HOSE DESCRIPTIONS (CIRCUIT -6 C-1 DRIVE)

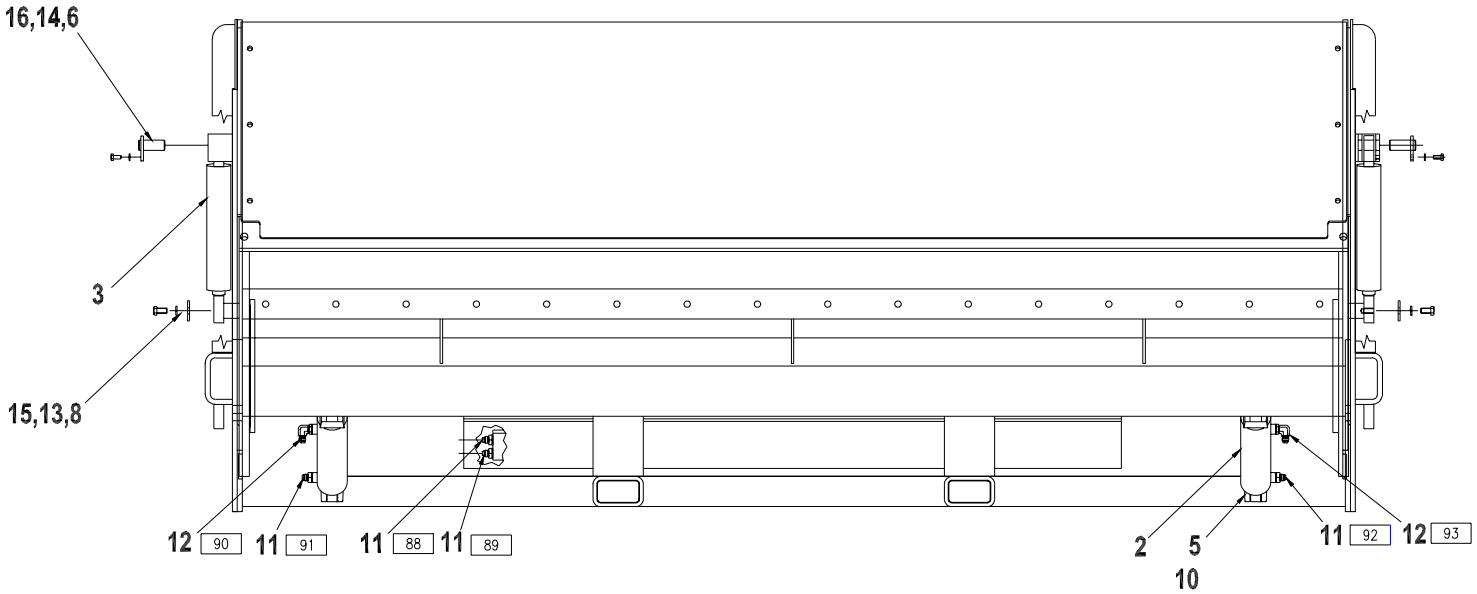



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C-1 DRIVE HYDRAULICS
(147397-01)

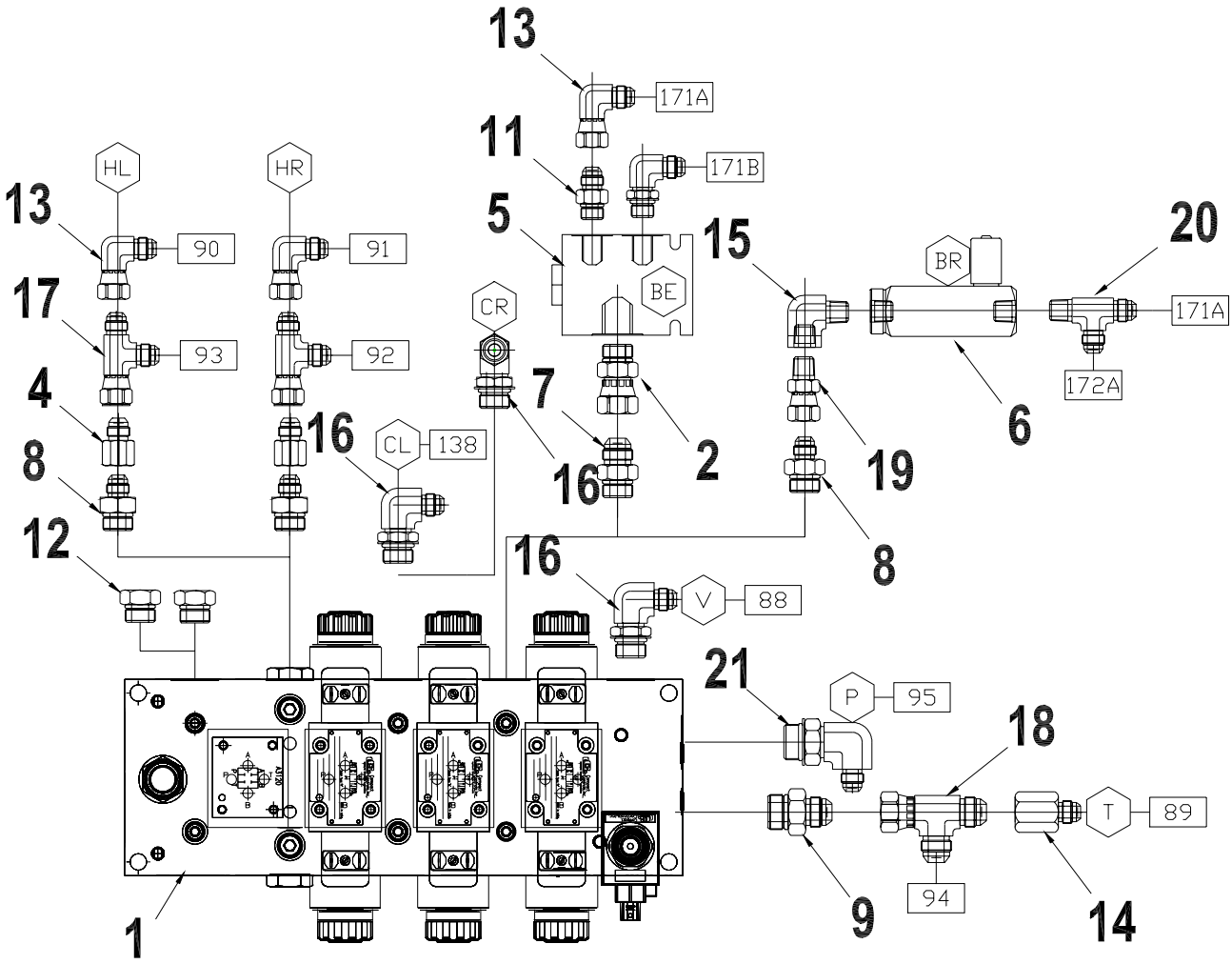
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	90729	16 FLANGE KIT	4
2	97568	FITTING -12 JIC ST X 16 FLANGE (CODE 62)	2
3	83868-04	FITTING - 12 JIC 90 X 16 FLANGE (CODE 62)	2
4	83764-04	CONNECTOR - 12 JIC M. X 12 JIC F. SWIVEL 90	4
5	85490-04	CONNECTOR - 12 JIC X 3/4' NPT 90	1
6	83458-04	CONNECTOR - 8 SAE X 12 JIC ST	2
7	130086-C1	GASKET (AUSCO BRAKES) FOR DRIVE MOTORS	2
8			
9	137400-04	MOTOR - BENT AXIS 63cc / REV	2
10	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	20
11	83752-04	LOCKWASHER 3/4" SPRING STEEL	20
12	89142	BOLT, HEX 1/2 - 13 X 1 3/4"	8
13	O5707	CONICAL WASHER 1/2"	8
14	149015	CLAMP - MOUNTING FOR 1 1/8" O.D. TUBE	4
15	11K76	CLAMP - MOUNTING FOR 1 1/4" O.D. TUBE	8

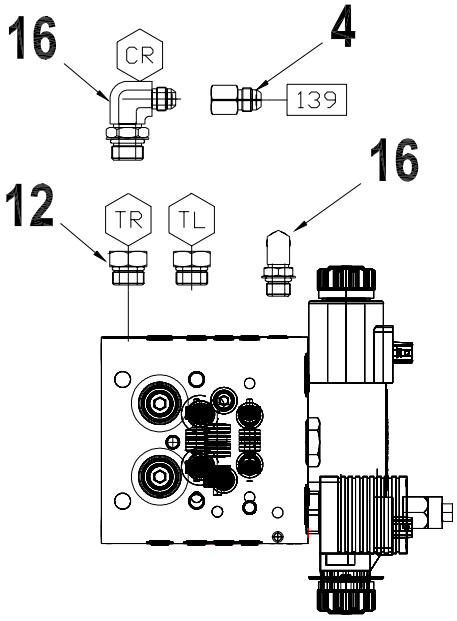

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C-1 DUMP HOPPER HYDRAULICS
(200789-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202174-02	C1 HOPPER CONTROLS MAINFOLD ASSEMBLY	1
2	93833-02	CYL - 4.00 BORE X 8.00 STROKE	2
3	147954-03	CYL - 2.00 BORE X 7.00 STROKE	2
4	149425-01	CYL MODIFICATION - C1 CLEANOUT	1
5	149441-03	DUMP HOPPER CYLINDER	2
6	148057-03	C1 BAFFLE CYLINDER	2
7	149429-03	C1 CLEANOUT DOOR	2
8	147993-03	RETAINER PLATE	2
9	200395-03	MANIFOLD END CAP PLATE	1
10	70741	PIN - 3/16 X 2 1/2 COTTER	3
11	83469-04	FITTING - 6 JIC - 8 SAE ST MALE	6
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	LOCKWASHER - 1/2 SPRING STEEL	5
16	83056	LOCKWASHER - 3/8 SPRING STEEL	5
17	26L52	BOLT, HEX 3/8 - 16 X 6" GD. 8	3
18	83055	NUT, HEX 3/8 - 16 UNC GD. 8	3
19	83757	FLAT WASHER 3/8" STEEL	2
20	147412-04	HOSE CLAMP 1 9/16" X 3/8" BOLT	4
21	89773	BOLT, HEX 1/4 - 20 X 1"	5
22	84444	FLAT WASHER 1/4" STEEL	10
23	83065	LOCKWASHER 1/4" SPRING STEEL	5
24	89772	NUT, HEX 3/8 - 16 GD. 8	5
25	99965	TUBE CLAMP 2" RUBBERIZED	1





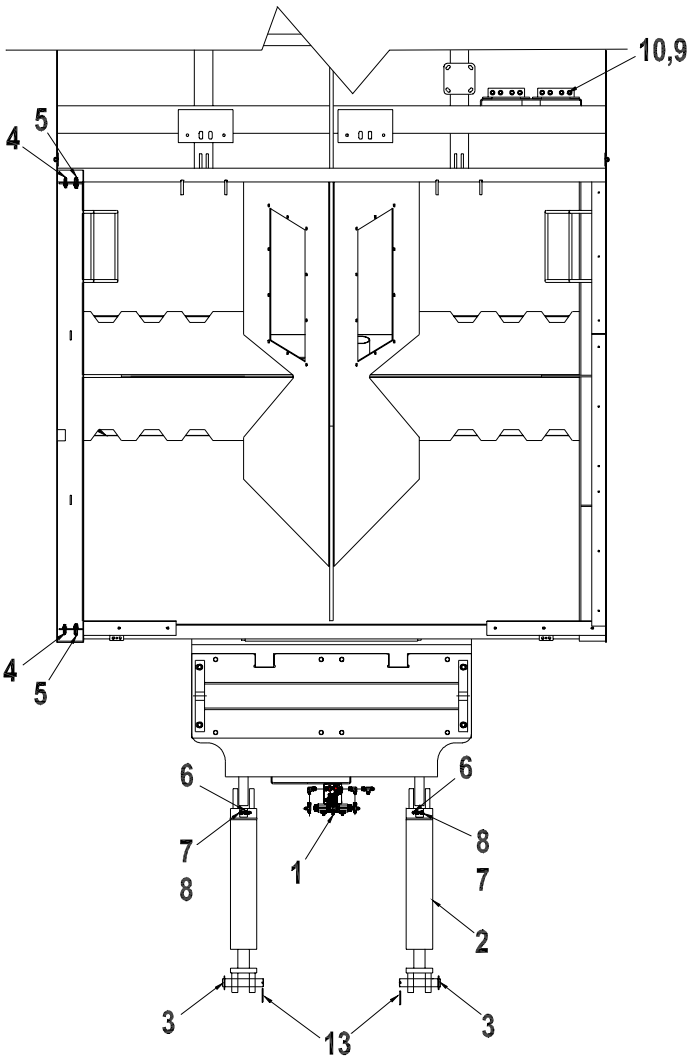
0 - ITEM

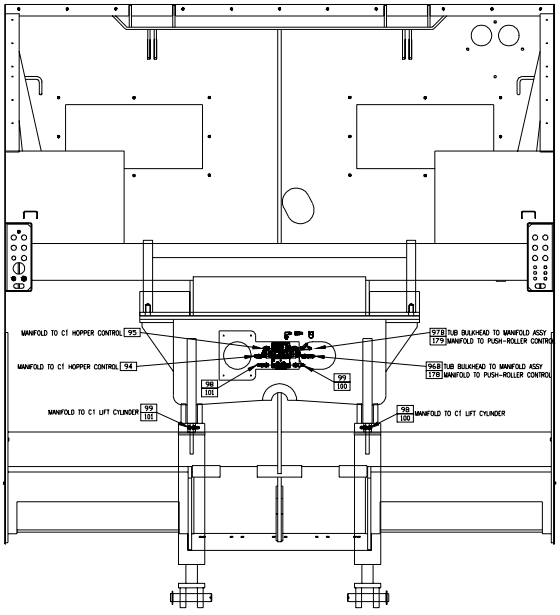
XXX - HOSE NUMBER

XX - MANIFOLD PORT

C-1 HOPPER CONTROL MANIFOLD
(202174-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146254-03	VALVE - C1 HOPPER CONTROL MANIFOLD	1
2	122168	FITTING - 8 SAEM - 8 JIC F SWIVEL	1
3	135409-04	FITTING - REST 6 JIC X 1/32 ORIFICE ST	1
4	135775-04	FITTING - RESTRICTOR 6 JIC X 1/16 ORIF	2
5	200791-03	VALVE - FLOW DIVIDER, 12 GPM	1
6	26N99	VALVE - FLOW CONTROL 3 GPM 3000 PSI	1
7	83459-04	CONNECTOR - 8 JIC X 8 SAE MALE	1
8	83469-04	CONNECTOR - 6 JIC - 8 SAE MALE	3
9	83704-04	CONNECTOR - 8 JIC - 10 SAE MALE	1
10	83734-04	FITTING - 6 JIC - 6 SAE 90 DEG	1
11	83735-04	ADAPTOR - 6 JIC - 6 SAE MALE	1
12	83767-04	8 SAE PLUG	2
13	83953-04	FM SWIVEL ELBOW 6 JIC 90 DEG	3
14	84060-04	ADAPTOR - 8 JIC - 6 JIC RED	1
15	84213-04	PLUMB - 1/4 NPT (90) ST STL	1
16	84426-04	FITTING - 6 JIC - 8 SAE 90 DEG MALE	3
17	84636-04	SWIVEL RUN TEE 6 JIC	2
18	84638-04	SWIVEL RUN TEE 8 JIC	1
19	86622-04	FITTING - 1/4 NPT M - 6 JIC FEM SWIVEL	1
20	92288	FITTING - RUN TEE 6 JIC - 1/4 NPT MALE	1
21	92987	FITTING - 6 JIC X 10 SAE 90 DEG	1

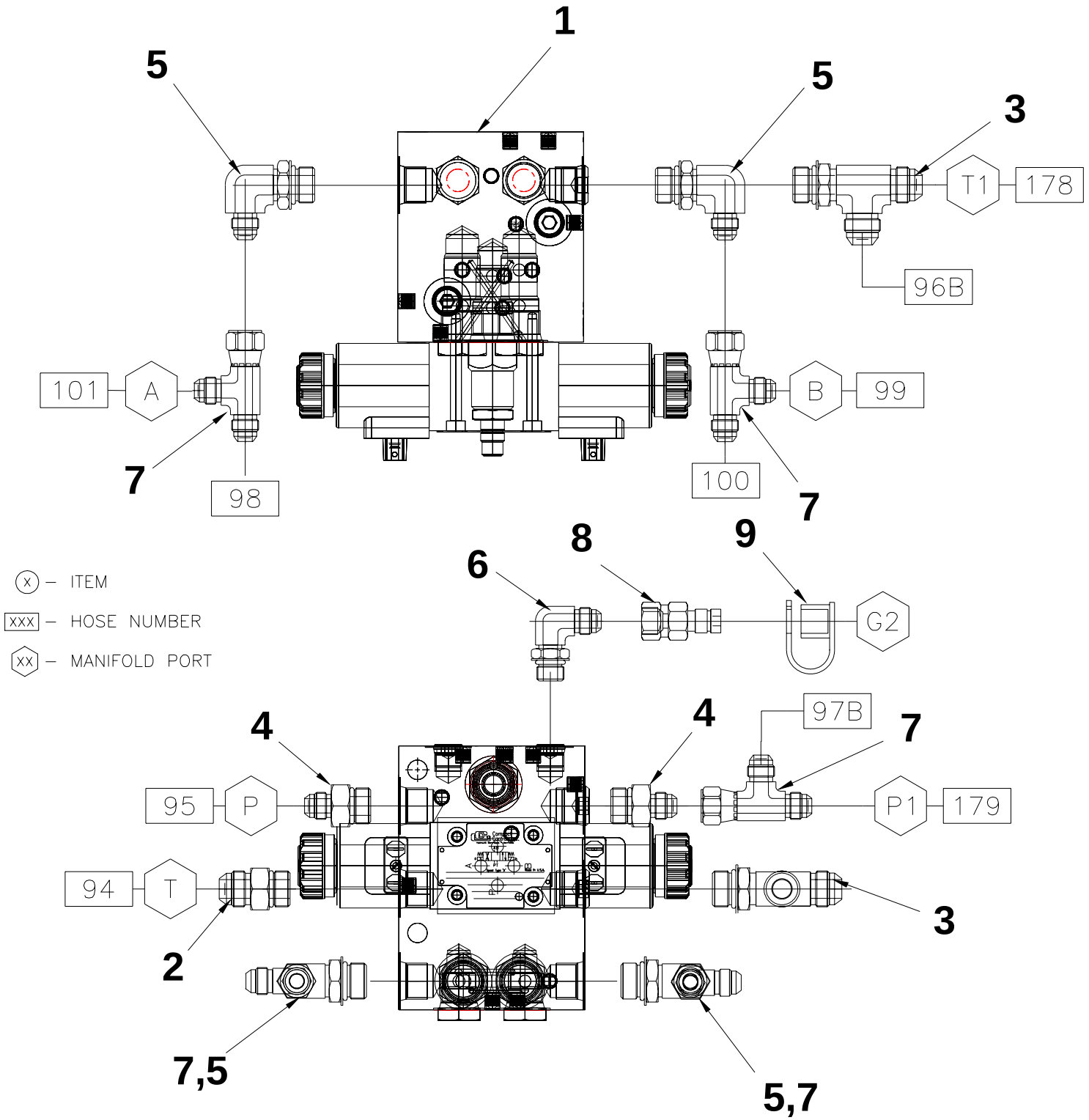

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MANIFOLD TO C1 HOPPER CONTROL 95
MANIFOLD TO C1 HOPPER CONTROL 94
MANIFOLD TO C1 LIFT CYLINDER 99 101
98 101
99 100
98 100
MANIFOLD TO C1 LIFT CYLINDER
978 TUB BULKHEAD TO MANIFOLD ASSY
179 MANIFOLD TO PUSH-ROLLER CONTROL
968 TUB BULKHEAD TO MANIFOLD ASSY
178 MANIFOLD TO PUSH-ROLLER CONTROL

C-1 RAISE / LOWER HYDRAULICS
(201371-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202137-03	C1 RAISE/ LOWER MANIFOLD ASSEMBLY	1
2	200779-01	CYLINDER - 5" BORE 18.75" STROKE	2
3	149428-03	PIN WELDMENT - C1 LIFT CYL ROD END	2
4	83475-04	FITTING - 6 JIC X 6 JIC BULKHEAD	2
5	83453-04	FITTING - 8 JIC X 8 JIC BULKHEAD	2
6	83734-04	FITTING - 6 JIC X 6 SAE 90	2
7	83735-04	FITTING - 6 JIC X 6 SAE STRAIGHT	2
8	83953-04	FITTING - 6 JIC SWIVEL 90	2
9	83469-04	FITTING - 6 JIC X 8 SAE STRAIGHT	1
10	83459-04	FITTING - 8 JIC X 8 SAE STRAIGHT	1
11	20N62	BOLT - 3/8-16 X 5	2
12	83056	LOCKWASHER - 3/8 SPRING STEEL	2
13	27L75	COTTER PIN - 1/4 X 2 1/2	2

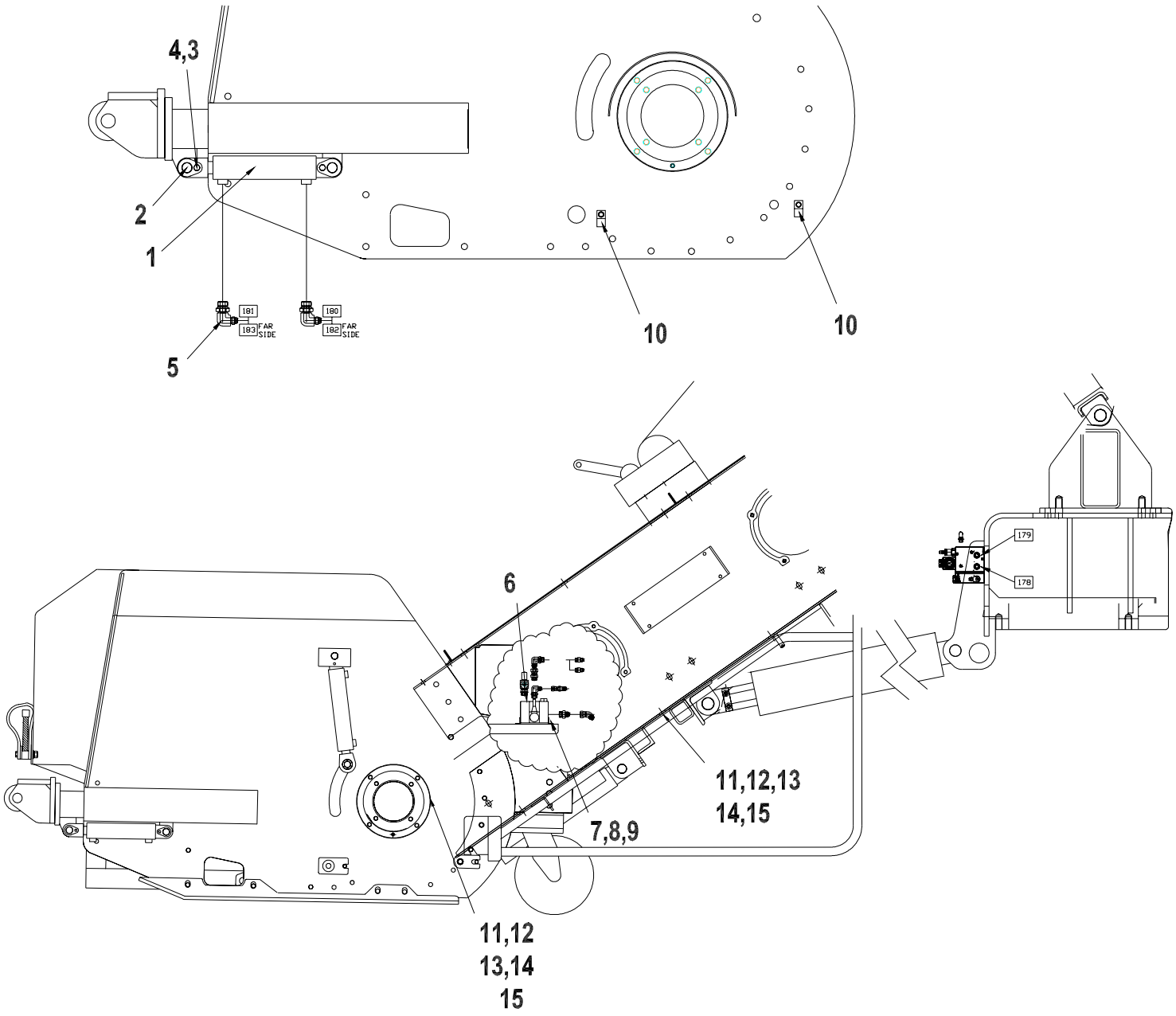
C-1 RAISE / LOWER MANIFOLD
(202137-02)



C-1 RAISE / LOWER MANIFOLD
(202137-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146251-03	MANIFOLD - C1 RAISE/ LOWER FLOAT	1
2	83459-04	FITTING - 8 JIC - 8 SAE ST	1
3	83766-04	FITTING - 8 SAE X 8 X 8 JIC TEE	1
4	83469-04	FITTING - 6 JIC - 8 SAE MALE CONNECTOR	2
5	84426-04	FITTING - 6 JIC - 8 SAE 90 DEG MALE	2
6	83734-04	FITTING - 6 JIC - 6 SAE 90 DEG	1
7	84636-04	FITTING - 6 JIC SWIVEL RUN TEE	3
8	131860-04	FITTING - 6 JIC - TEST PORT	1
9	85949-04	CAP - 6 JIC TEST PORT DUST COVER	1

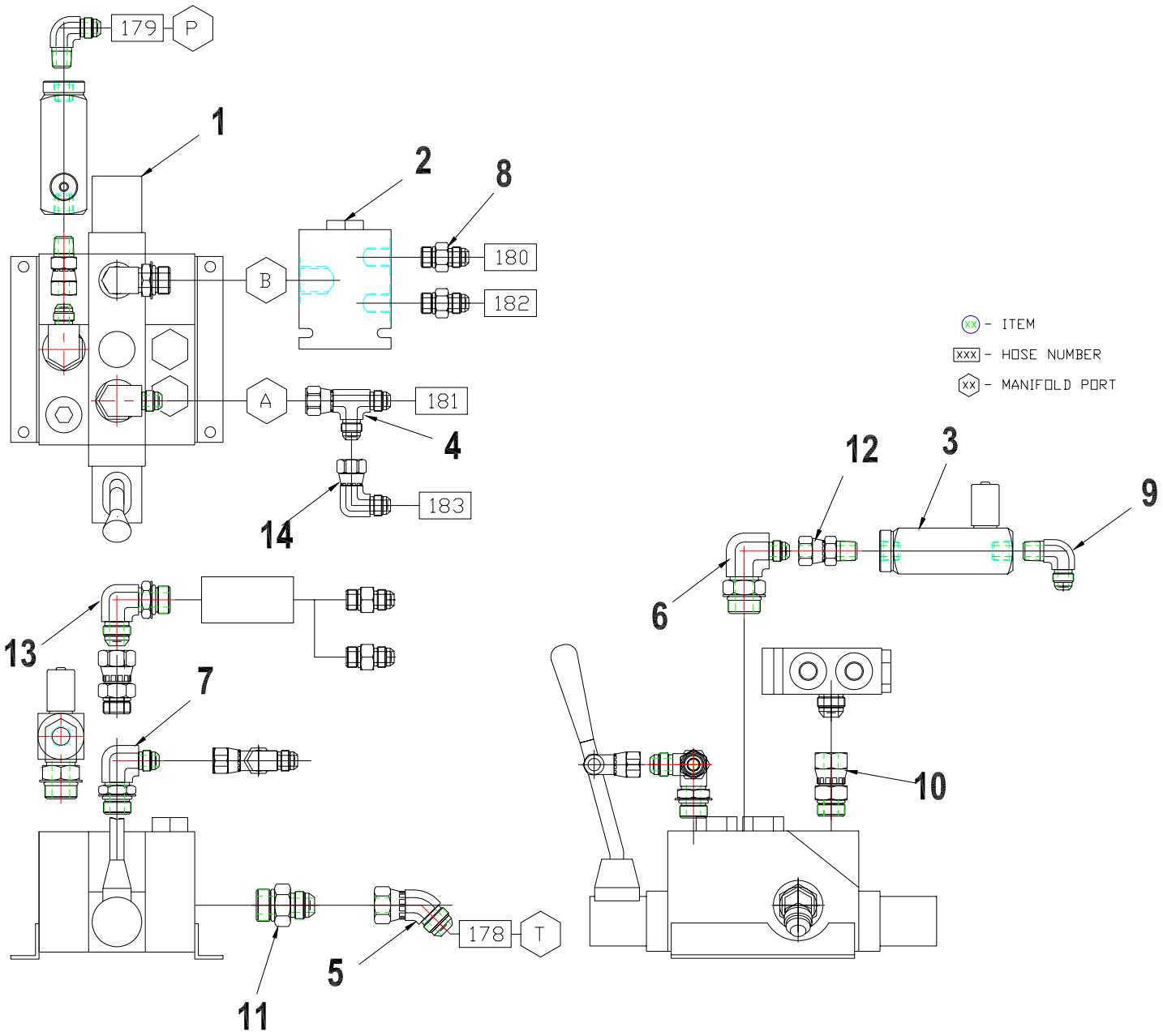
PUSH ROLLER HYDRAULICS
(200792-01)



PUSH ROLLER HYDRAULICS
(200792-01)

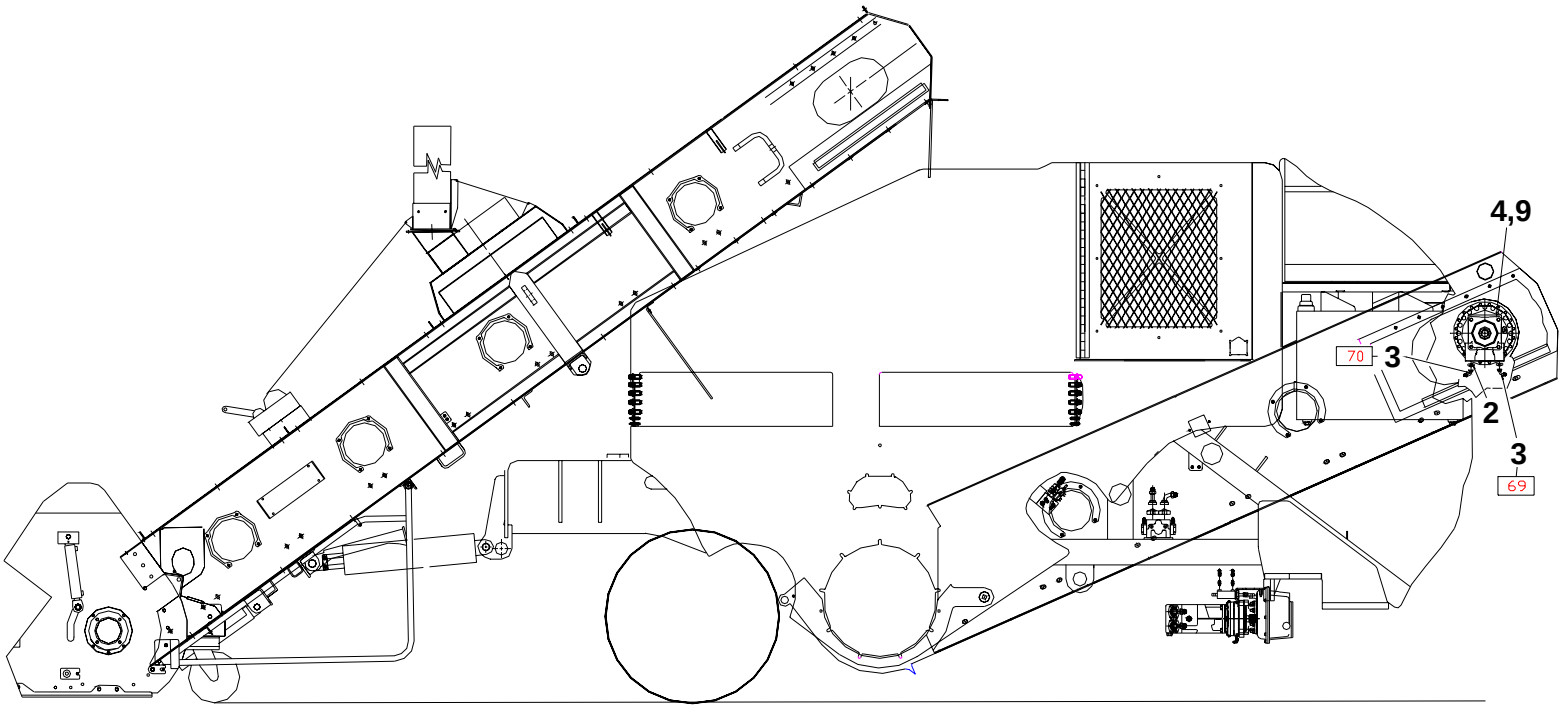
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2	148083-03	PIN - PUSH ROLLER CYLINDER	4
3	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	4
4	83056	LOCKWASHER 3/8" SPRING STEEL	4
5	84426-04	FITTING - 8 SAE X 6 JIC 90 M. ELBOW	4
6	202820-02	FITTING - 6 JIC SWIVEL RUN TEE	1
7	89988-04	BOLT, HEX 1/4 - 20 UNC X 3/4"	4
8	83065	LOCKWASHER 1/4" ID NOM. SPRING STEEL	4
9	89772	NUT, HEX 1/4 - 20 UNC	4
10	16P29	CLAMPS - 1/2" BOLT SIZE	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	LOCKWASHER 1/4" ID NOM. SPRING STEEL	5
15	89772	NUT, HEX 3/8 - 16 UNC	5

PUSH ROLLER MANIFOLD
(202820-02)



PUSH ROLLER MANIFOLD
(202820-02)

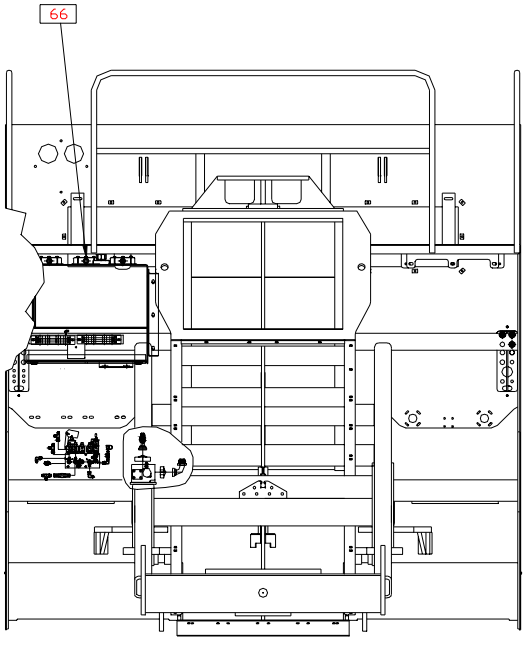
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	137458-04	V10 MANUAL DIR. CONTROL VALVE	1
2	200791-03	FLOW DIVIDER 50/50 SPLIT, 12 GPM VALVE	1
3	26N99	FLOW CONTROL 3 GPM 3000 PSI VALVE	1
4	84636-04	6 JIC SWIVEL RUN TEE	1
5	85218-04	ELBOW 8 JIC MALE X 8 FEM. 45 SWIVEL	1
6	92987	ELBOW 10 SAE X 6 JIC 90	1
7	84426-04	ELBOW 8 JIC MALE X 8 SAE X 6 JIC 90	1
8	83735-04	6 SAE X 6 JIC STRAIGHT	2
9	85462-04	ELBOW 6 JIC X 1/4 NPT 90	1
10	122168	CONNECTOR 8 SAE X 8 JIC SW. ST.	1
11	83704-04	CONNECTOR 8 JIC X 10 SAE ST	1
12	86622-04	CONNECTOR 6 JIC SWIVEL X 1/4 NPT	1
13	83461-04	8 JIC M. X 6 SAE M. 90	1
14	83953-04	6 JIC SW. 90	1
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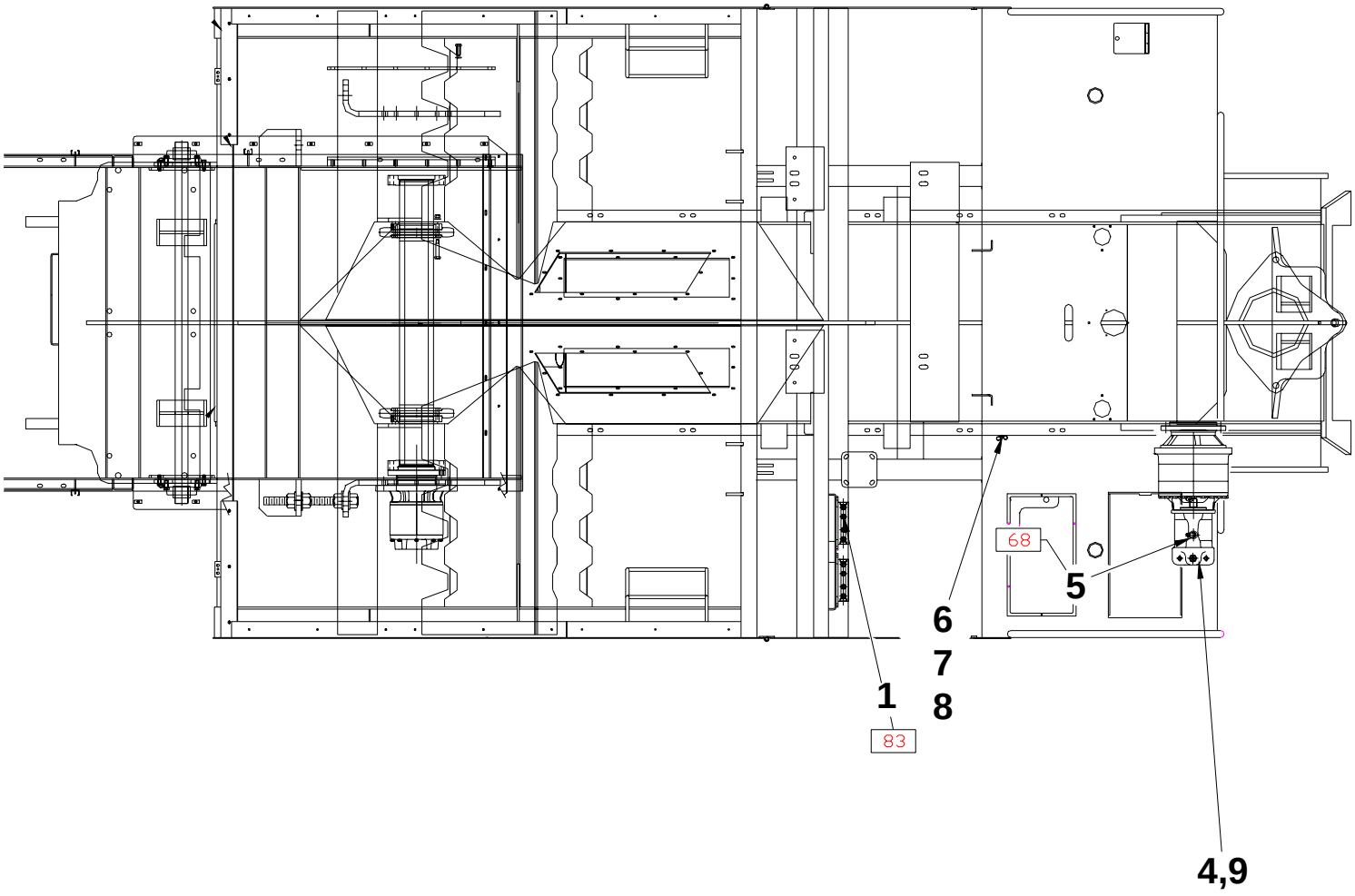
SEE SHUTTLE BUGGY HOSEKIT (C2 DRIVE) FOR HOSES

(X) - ITEM

XXX - HOSE NUMBER



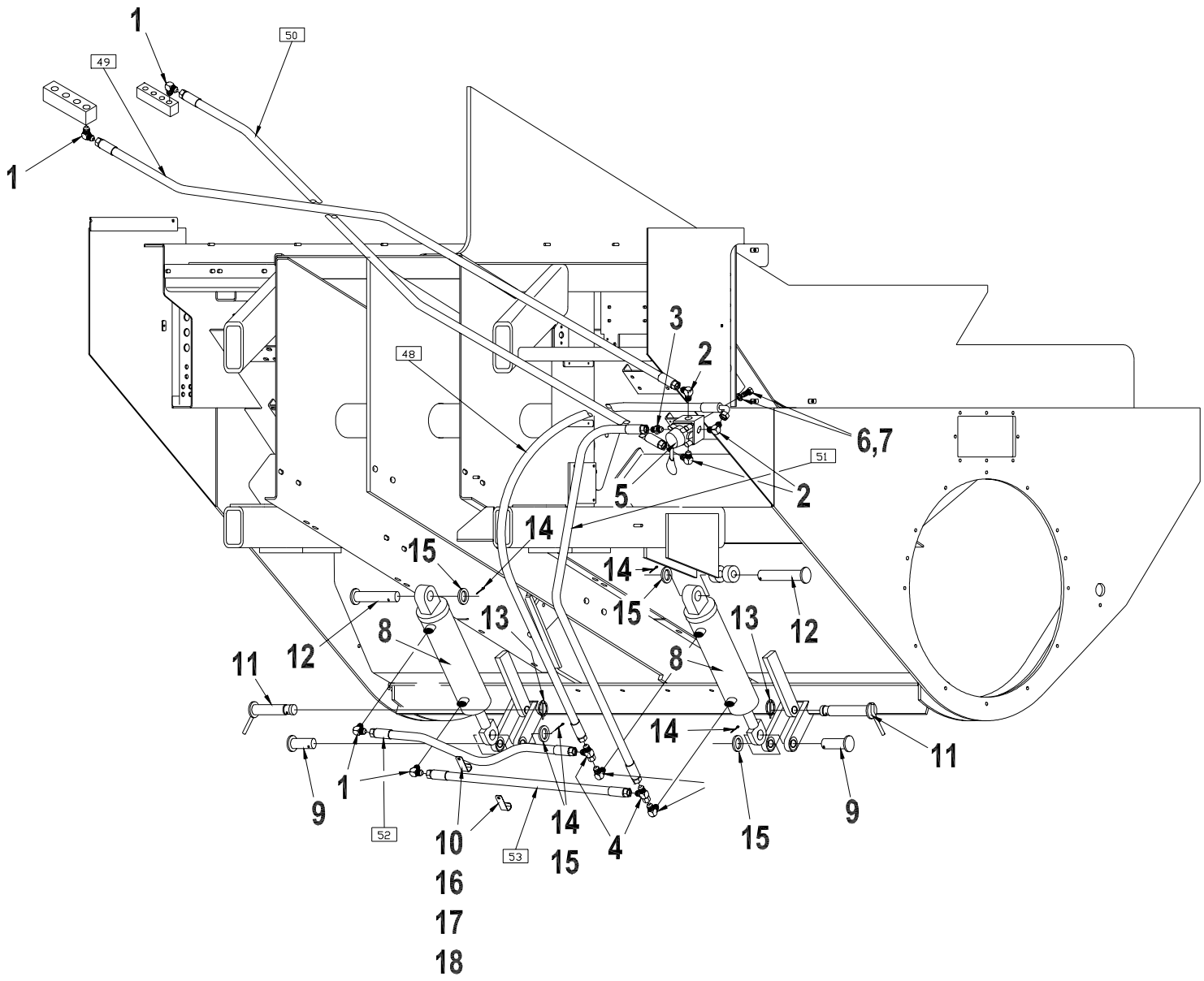
C-2 DRIVE HYDRAULICS
(149543-01)



C-2 DRIVE HYDRAULICS
(149543-01)

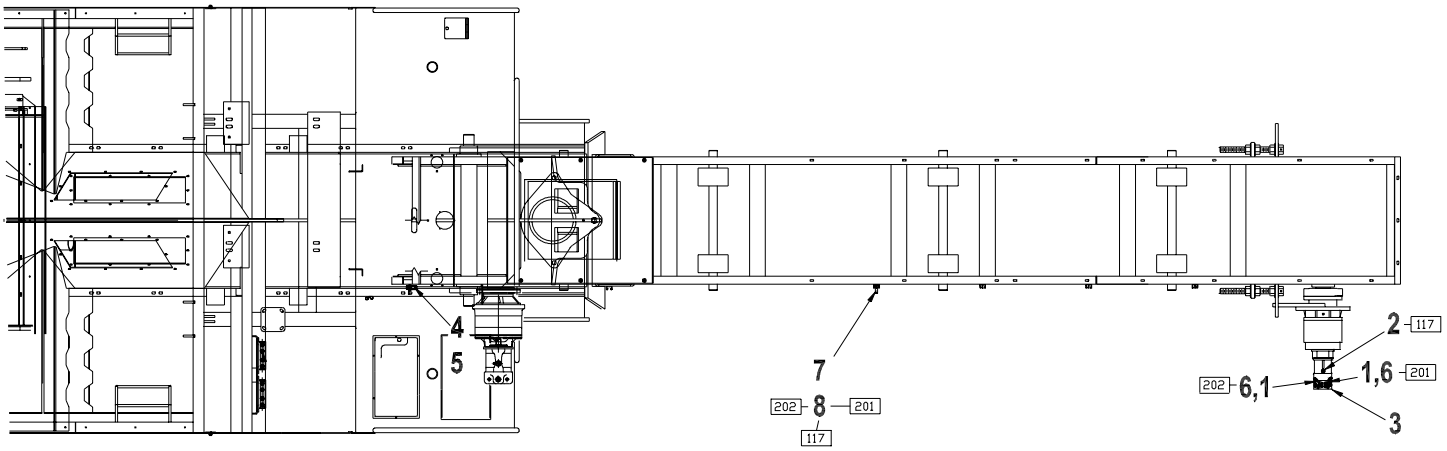
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	85490-04	CONNECTOR - 12 JIC X 3/4" NPT 90	1
2	96765	# 20 FLANGE KIT CODE 62	2
3	99945	# 20 FLANGE 45 X 20 JIC CODE 62	2
4	149224-04	MOTOR - 130 cc ORIFACE LOOP FLUSH	1
5	85875-04	16 SAE M. X 12 JIC M. 90 ELBOW	1
6	99965	CLAMP - 2" RUBBERIZED TUBE	2
7	83055	NUT, HEX 3/8 - 16	1
8	85148	LOCKWASHER 3/8" SPRING STEEL	1
9	28Y06C4	GASKET - AUSCO BRAKE	1

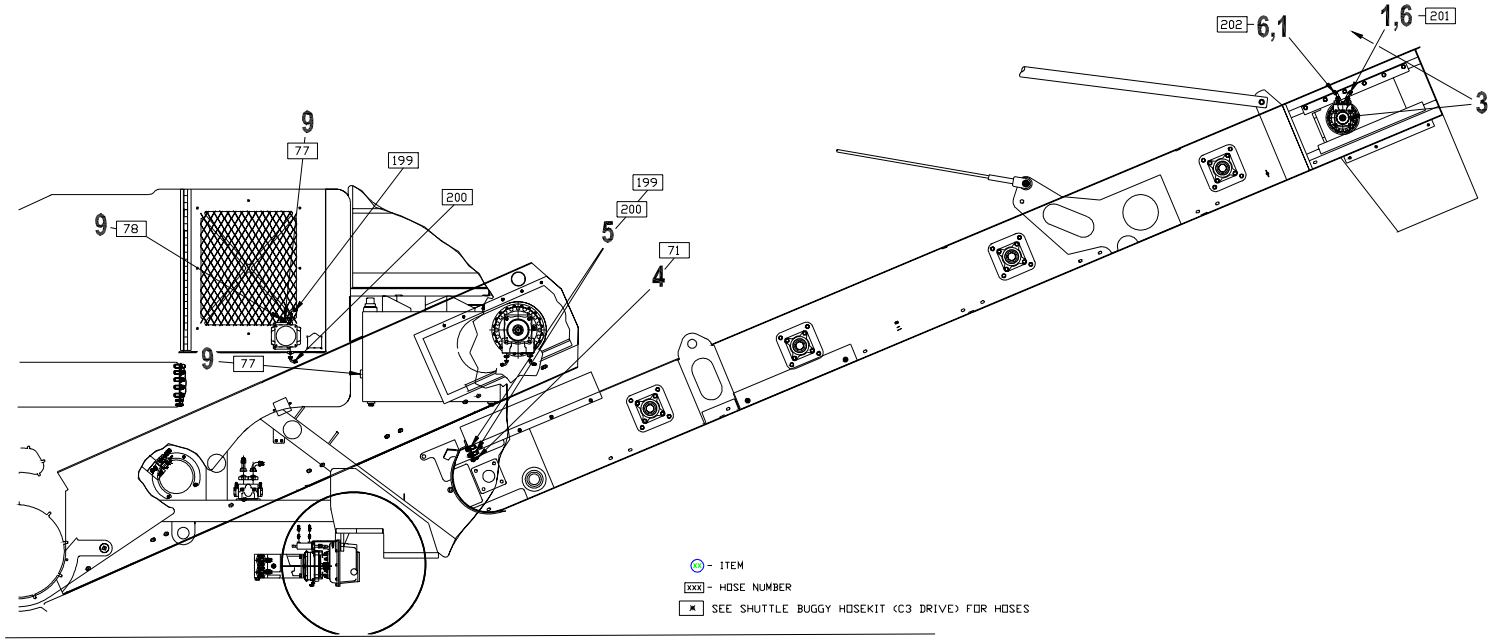
C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

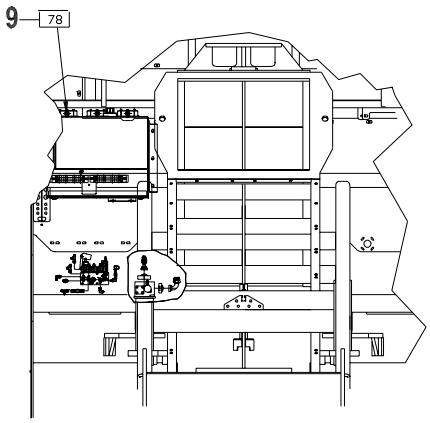


C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	84426-04	6 JIC X 8 SAE M. 90 ELBOW	6
2	83734-04	6 JIC X 6 SAE 90 ELBOW	3
3	83735-04	CONNECTOR - 6 JIC X 6 SAE	1
4	84636-04	6 JIC SWIVEL RUN TEE	2
5	134239-04	VALVE - MANUAL CONTROL	1
6	89297	BOLT, HEX 5/16 - 18 UNC X 1"	4
7	87328-04	LOCKWASHER 5/16" NOM. I.D.	4
8	144898-01	CYLINDER - 2.50 BORE X 11.00 STROKE	2
9	129587-04	PIN - C-2 / C-3 CLEAN-OUT DOOR	2
10	16P29	HOSE CLAMP - 1/2" BOLT SIZE	2
11	121690-03	PIN - SAFETY BAR	2
12	129586-04	PIN - C-2 CLEAN-OUT DOOR CYL.	2
13	144993-04	LINCH PIN 3/16"	2
14	27D66	COTTER PIN 3/16" X 2"	4
15	83376-04	FLAT WASHER 1" STEEL	4
16	83288	NUT, HEX 1/2"	2
17	83317	LOCKWASHER 1/2"	2
18	83781-04	FLAT WASHER 1/2"	2
19	84332	HEX BOLT, 3/8 - 16 X 1 GR8	2
20	83056	LOCKWASHER 3/8 SPRING STEEL	2

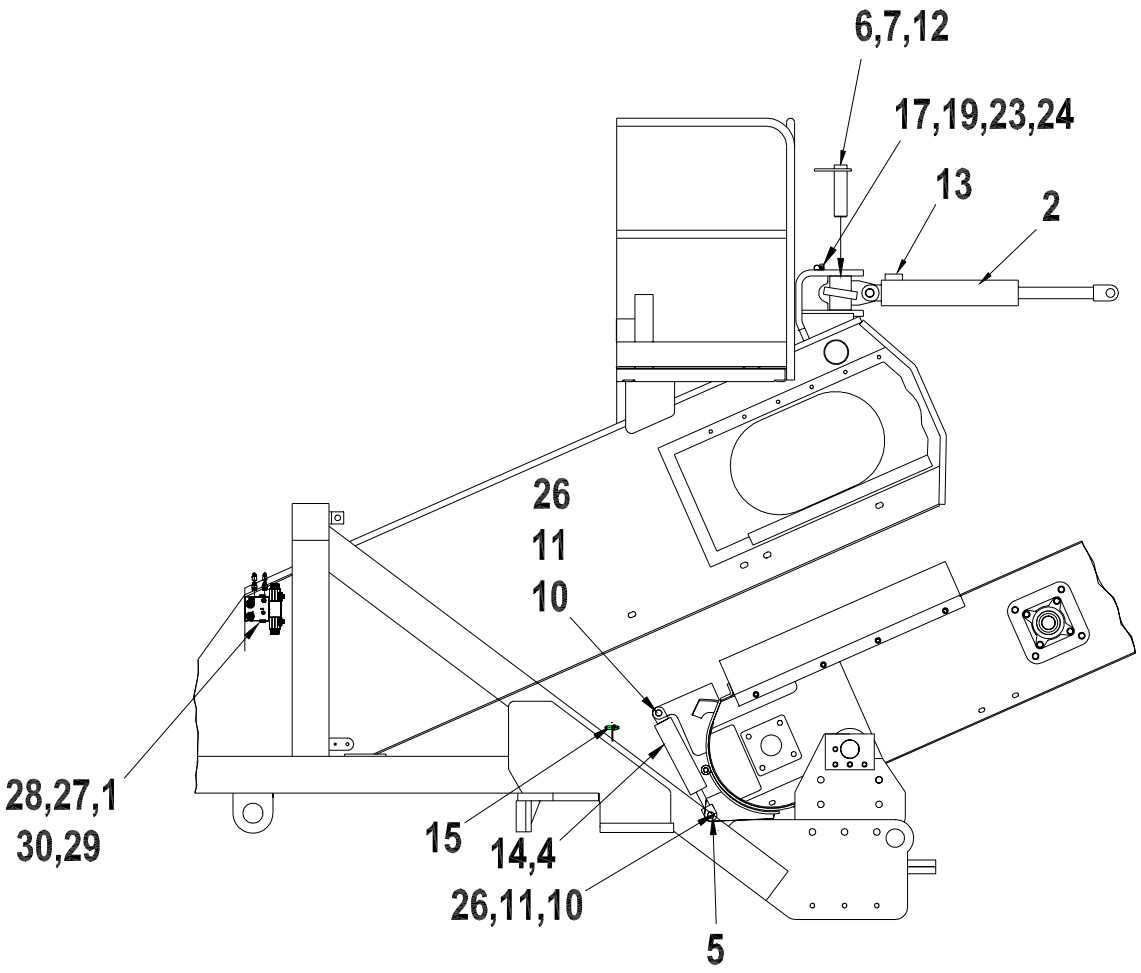

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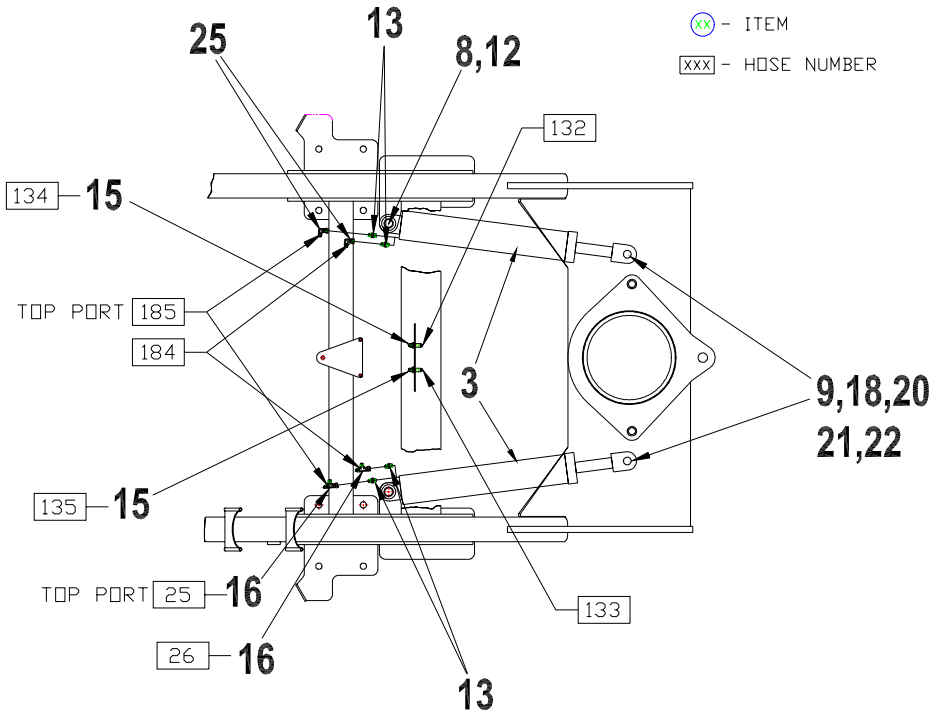

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* SEE SHUTTLE BUGGY HOSEKIT (C3 DRIVE) FOR HOSES


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78

C-3 DRIVE HYDRAULICS
(145972-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
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-SUNSTRAND)	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

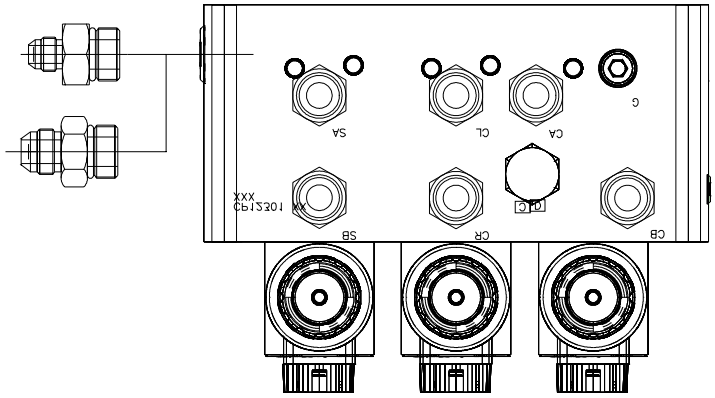

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C-3 CONTROL HYDRAULICS
(200806-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202240-02	C3 CONTROL MANIFOLD VALVE	1
2	144900-01	CYL.- 5.00 BORE X 26.00 STROKE	1
3	144901-01	CYL.- 4.00 BORE X 21.00 STROKE	2
4	144899-01	CYL.- 2.00 BORE X 4.50 STROKE	1
5	83439-04	1 1/4" FEMALE ROD END, RH THREAD	1
6	149121-04	C-3 LIFT CYL. MODIFIED BOLT	2
7	129923	HEX NUT - 1 1/4-12 SLOTTED CASTLE	2
8	129578-04	C-3 SWING CYLINDER PIN (FRONT)	2
9	149430-03	C-3 SWING CYLINDER PIN (REAR)	2
10	149431-03	C-3 CLEAN-OUT DOOR PIN	2
11	144993-04	3/16" LYNCH PIN	2
12	70741	3/16 X 2 1/2 COTTER PIN	4
13	83735-04	6 JIC X 6 SAE MALE ADAPTOR	6
14	84426-04	ELBOW - 90‘ - 6 JIC - 8 SAE MALE	3
15	83475-04	BULKHEAD UNION ST. - 6 JIC	2
16	84636-04	6 JIC SW RUN TEE	2
17	20K35	5/8 DIA. X 1/2" X 1/4" HOLE CLAMP	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	LOCKWASHER - 1/2 SPRING STEEL	2
23	84444	FLAT WASHER - 1/4 STEEL	1
24	83065	LOCKWASHER - 1/4 SPRING STEEL	1
25	83953-04	FITTING - 6 JIC 90 FM. SWIV ELBOW	2
26	83133	FLAT WASHER 3/4" STEEL	2
27	20N62	BOLT, HEX 3/8 - 16 X 5"	2
28	83056	LOCKWASHER 3/8" SPRING STEEL	2
29	83757	FLAT WASHER 3/8" STEEL	2
30	83055	NUT, HEX 3/8 - 16 UNC GD. 8	2

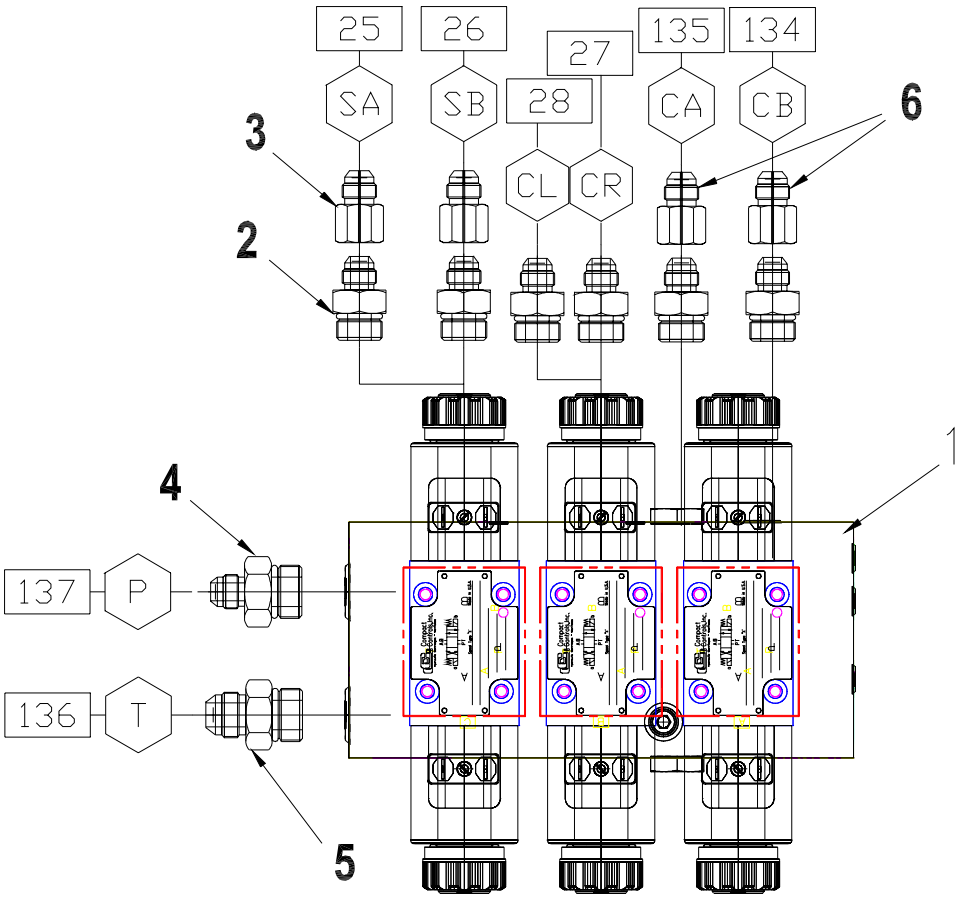
C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)

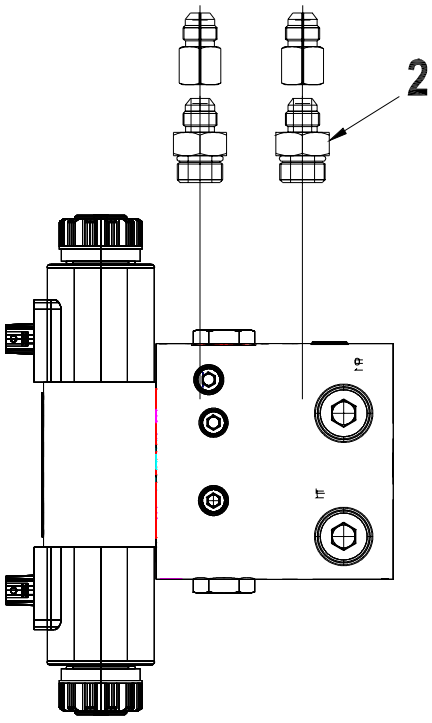


XX – ITEM

XXX – HOSE NUMBER

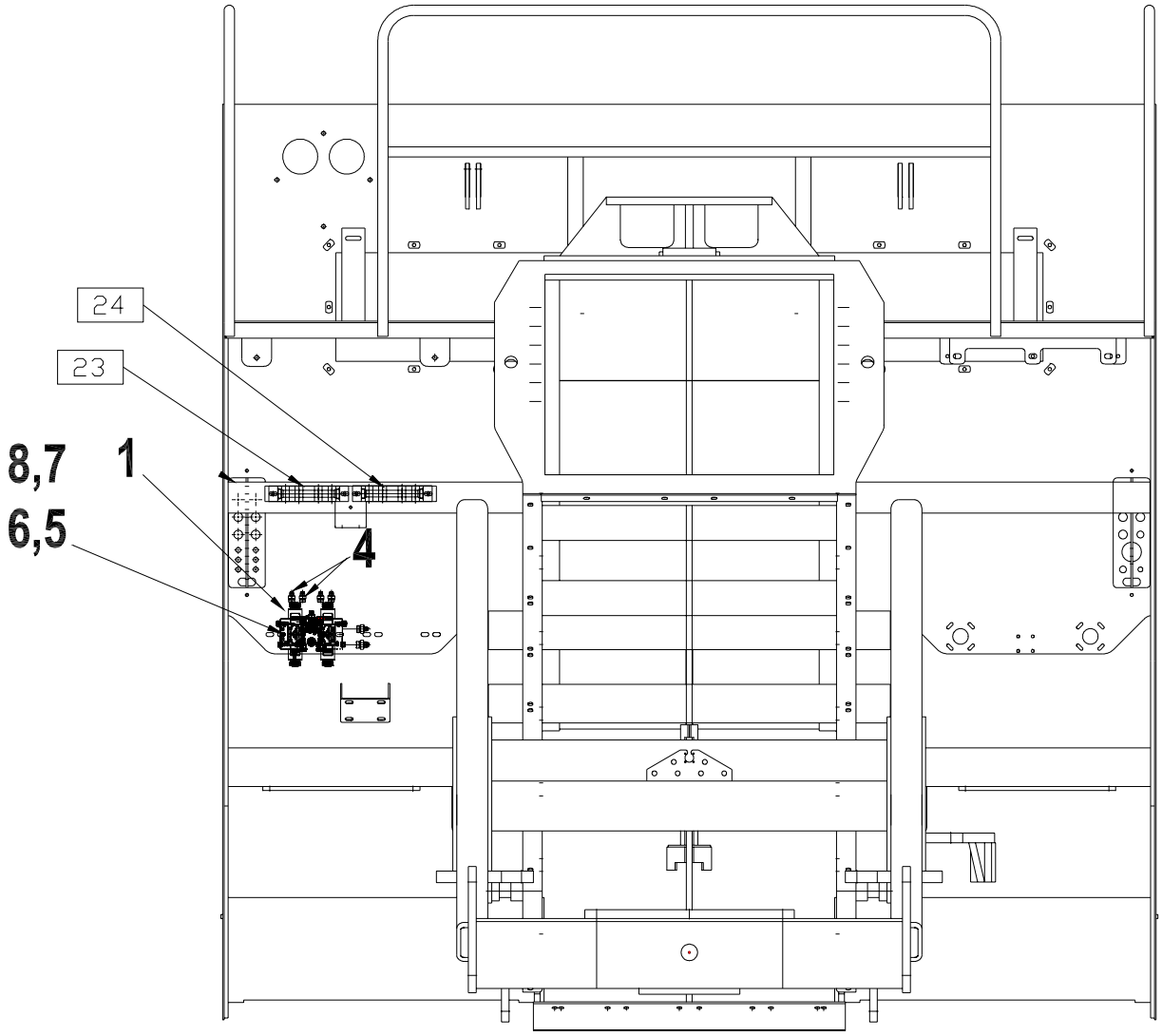
XX – MANIFOLD PORT

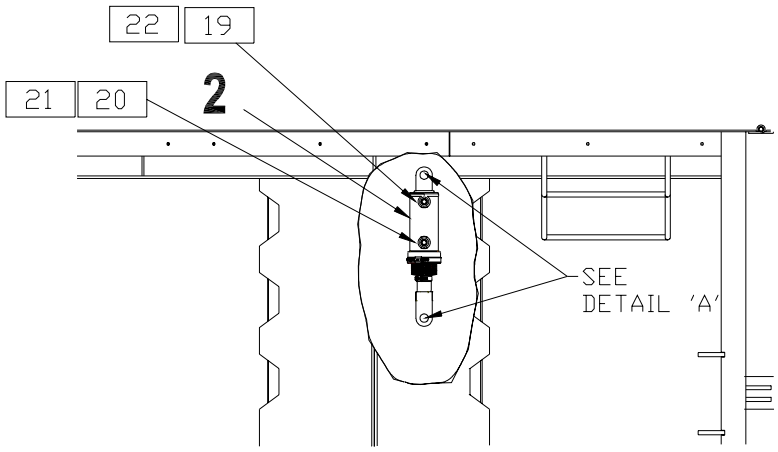




C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)

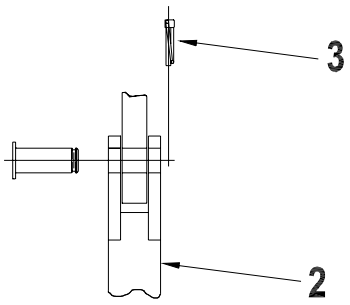
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146253-03	VALVE - C3 CONTROL MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	6
3	136649-04	RESTRICTOR - 3/32" ORIFICE	2
4	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
5	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1
6	135942-04	RESTRICTOR - 1/64" ORIFICE	2





(X) - ITEM

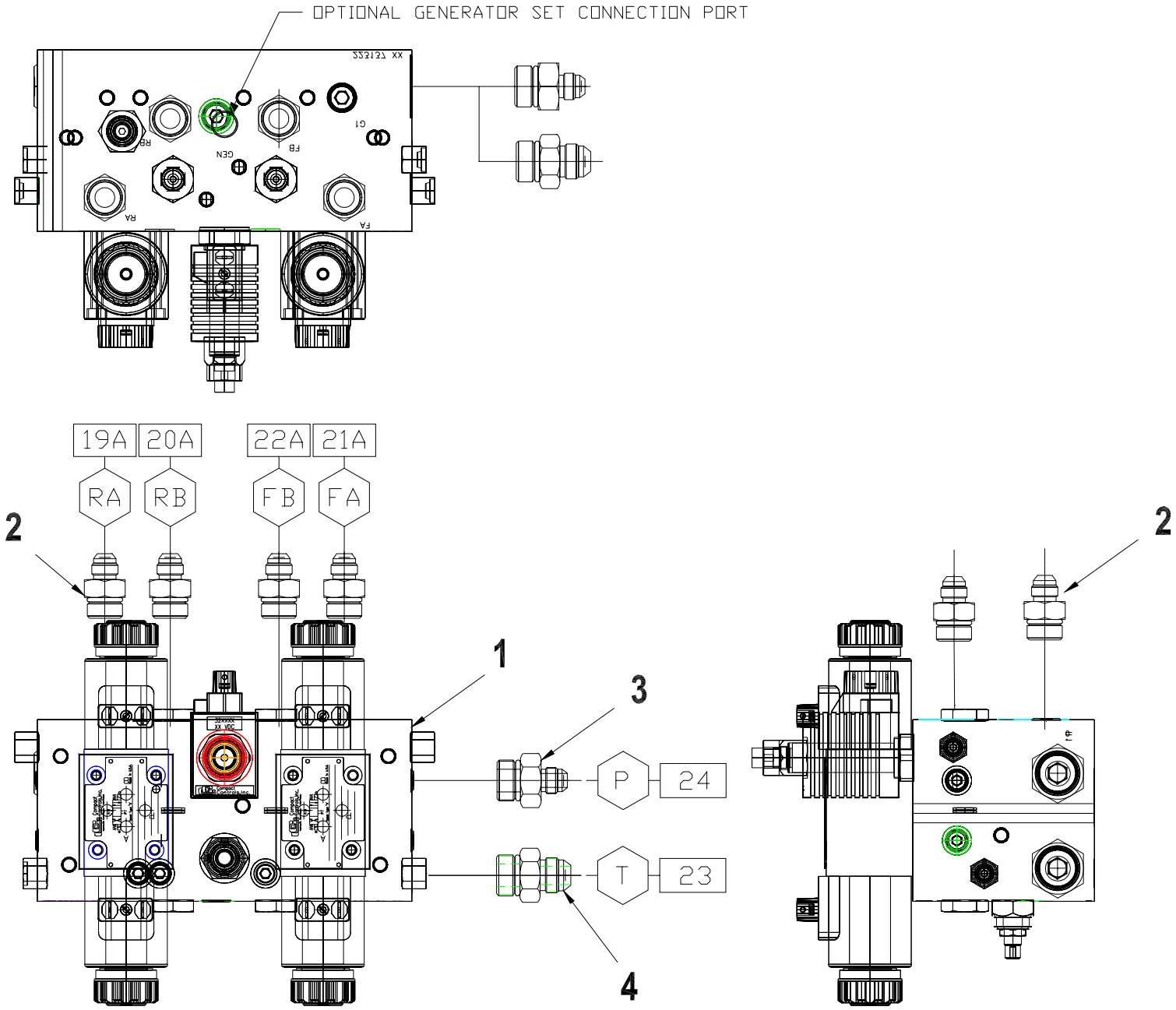
XXX - HOSE NUMBER



DETAIL 'A'
(4× SCALE)

FLOWGATE HYDRAULICS
(200774-01)

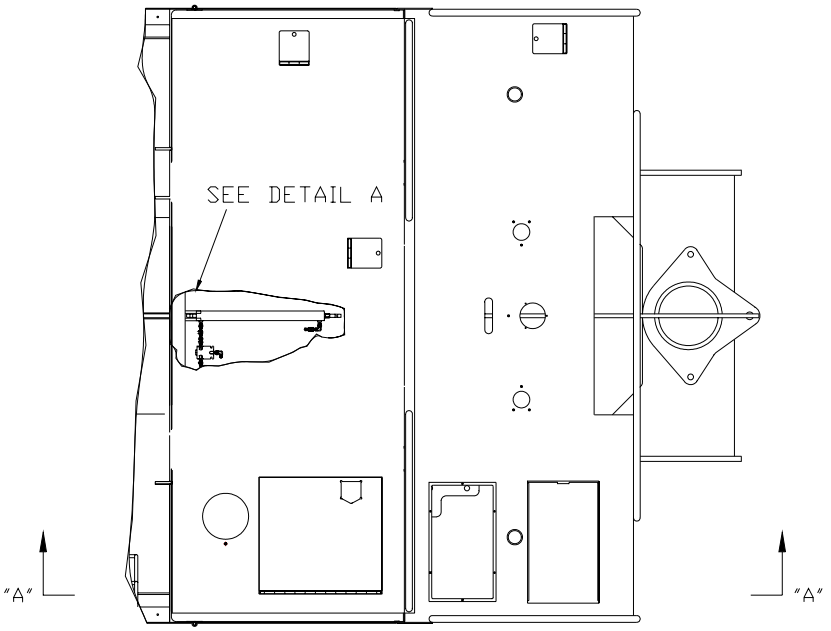
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202277-02	VALVE - FLOWGATE / GENERATOR MANIFOLD	1
2	144894-01	CYLINDER - 3.00 BORE X 5.00 STROKE	2
3	144993-04	LYNCH PIN - 3/16"	4
4	83469-04	FITTING - 8 SAE M. X 6 JIC	4
5	20N62	BOLT,HEX 3/8 - 16 X 5"	2
6	83056	LOCKWASHER 3/8" SPRING STEEL	2
7	83757	FLAT WASHER 3/8" STEEL	2
8	83055	NUT, HEX 3/8 - 16 UNC GD. 8	2

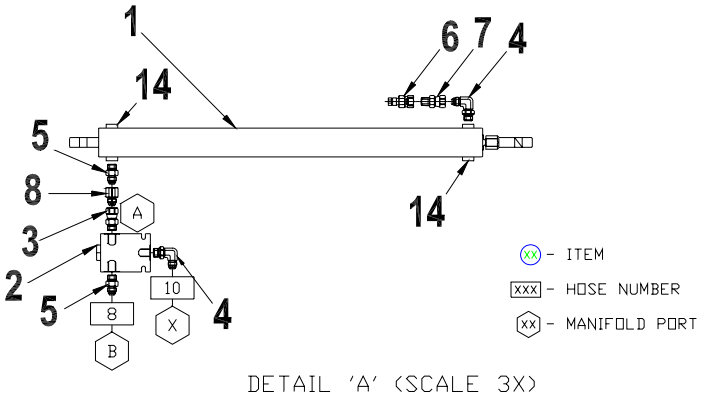

OPTIONAL GENERATOR SET CONNECTION PORT
19A
20A
22A
21A
RA
RB
FB
FA
2
1
3
P
24
T
23
4
2

FLOWGATE CONTROL MANIFOLD ASSEMBLY
(202277-02)

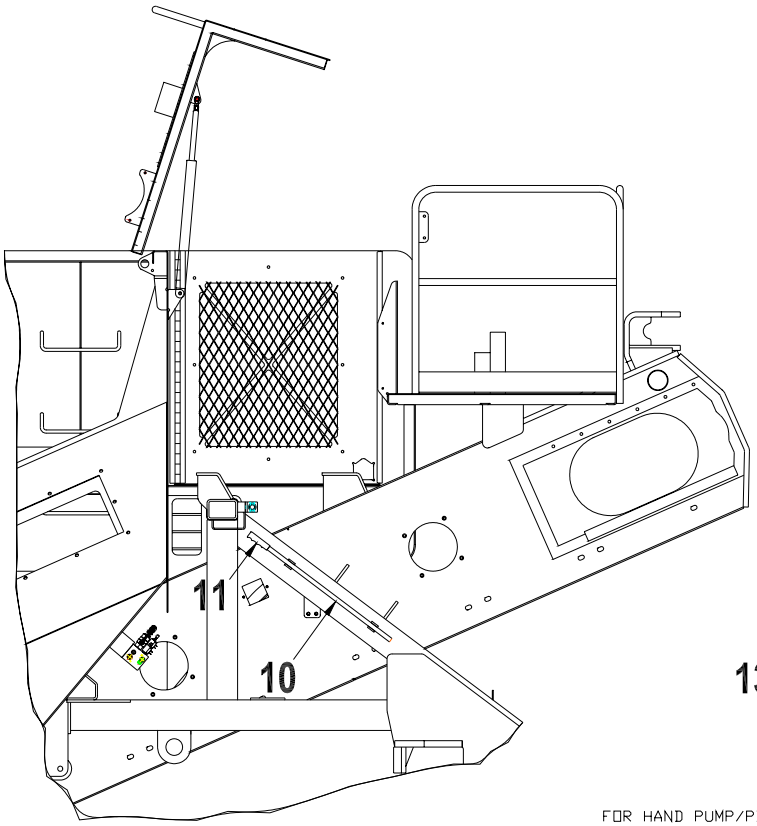
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146252-03	VALVE - FLOWGATE CNTL. MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	4
3	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
4	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1

HOOD RAISE HYDRAULICS
(204266-01)

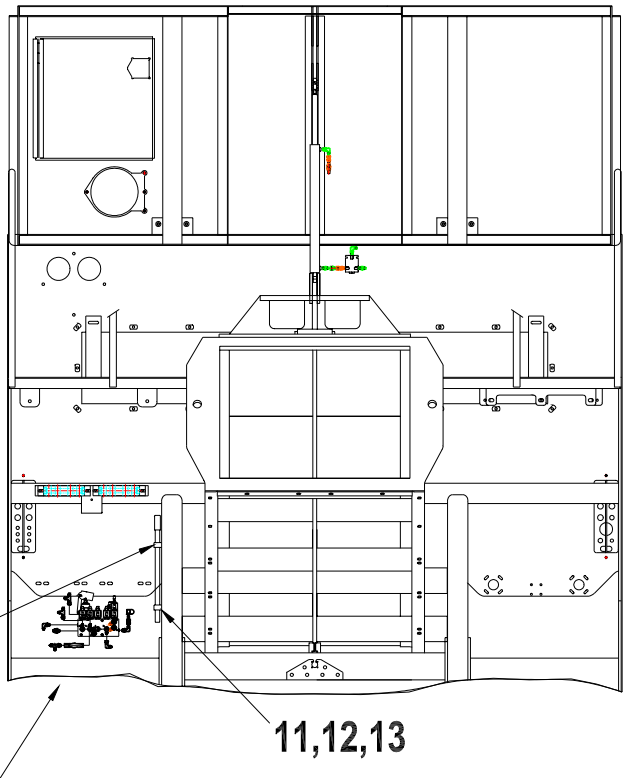




DETAIL 'A' (SCALE 3X)



SECTION 'A'

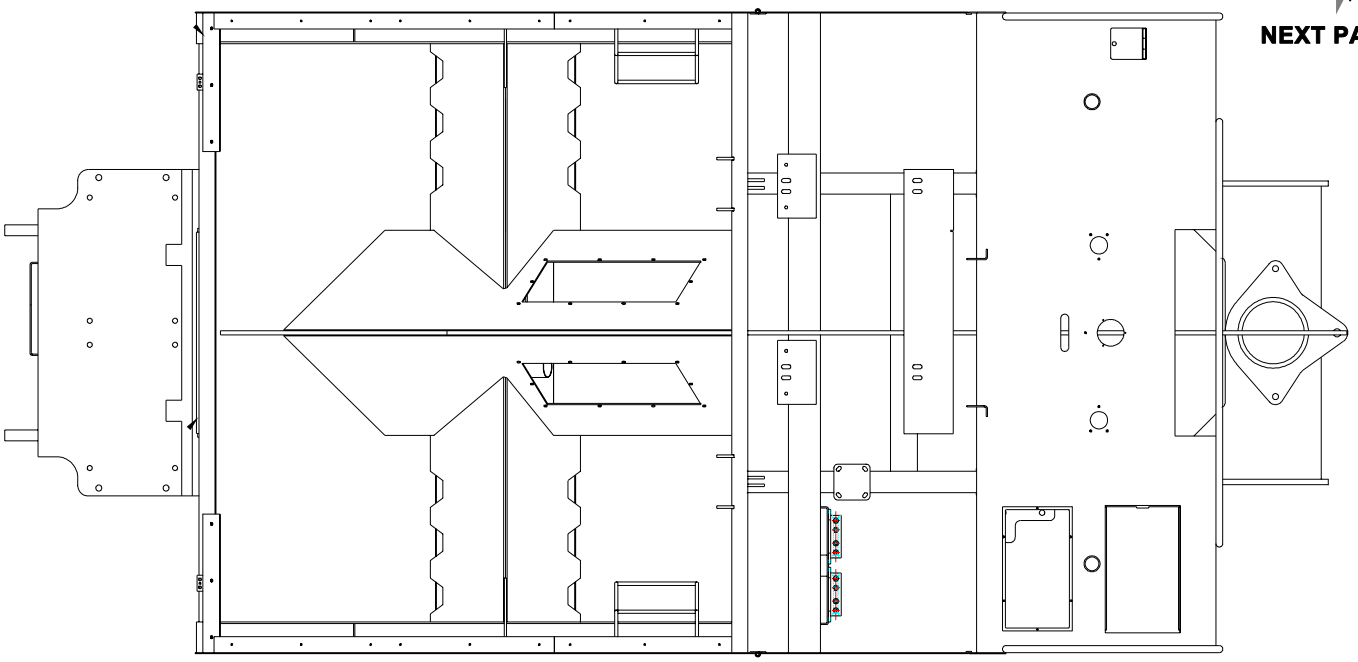


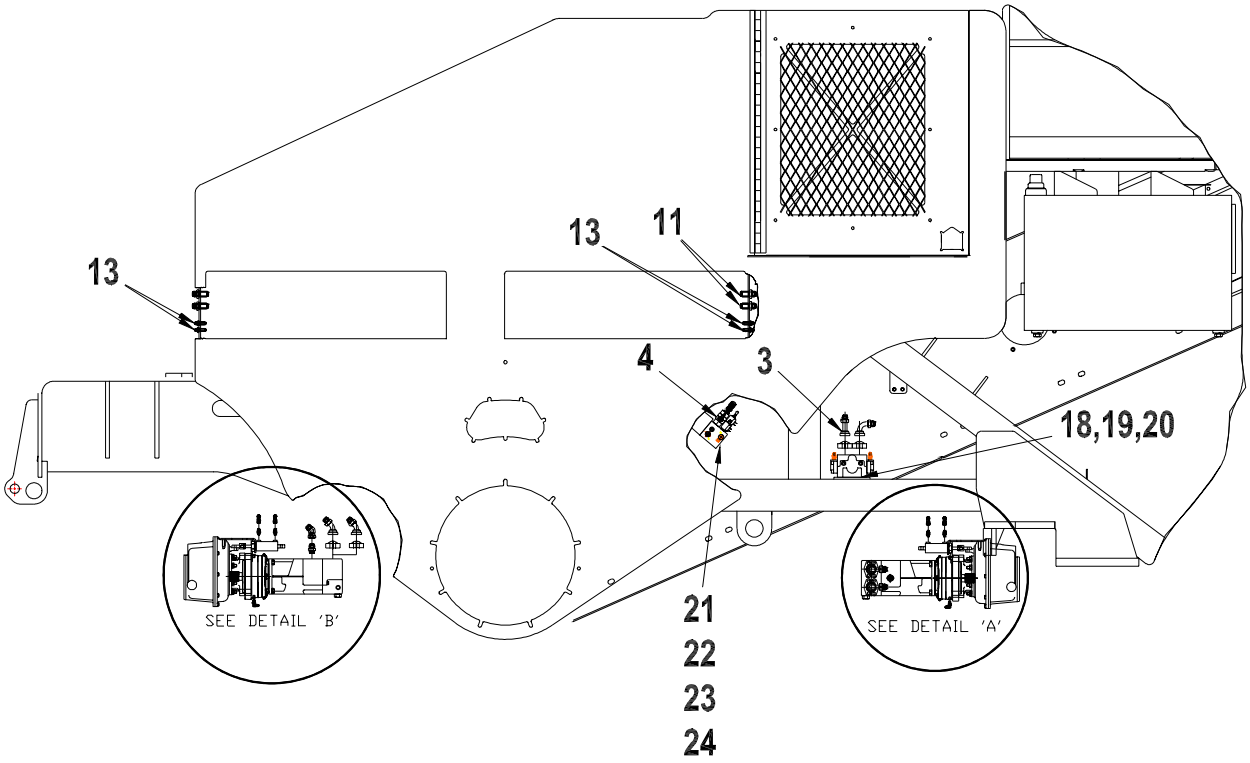
FOR HAND PUMP/PILOT VALVE MANIFOLD ASSEMBLY SEE PROPEL HYDRAULIC ASSY.

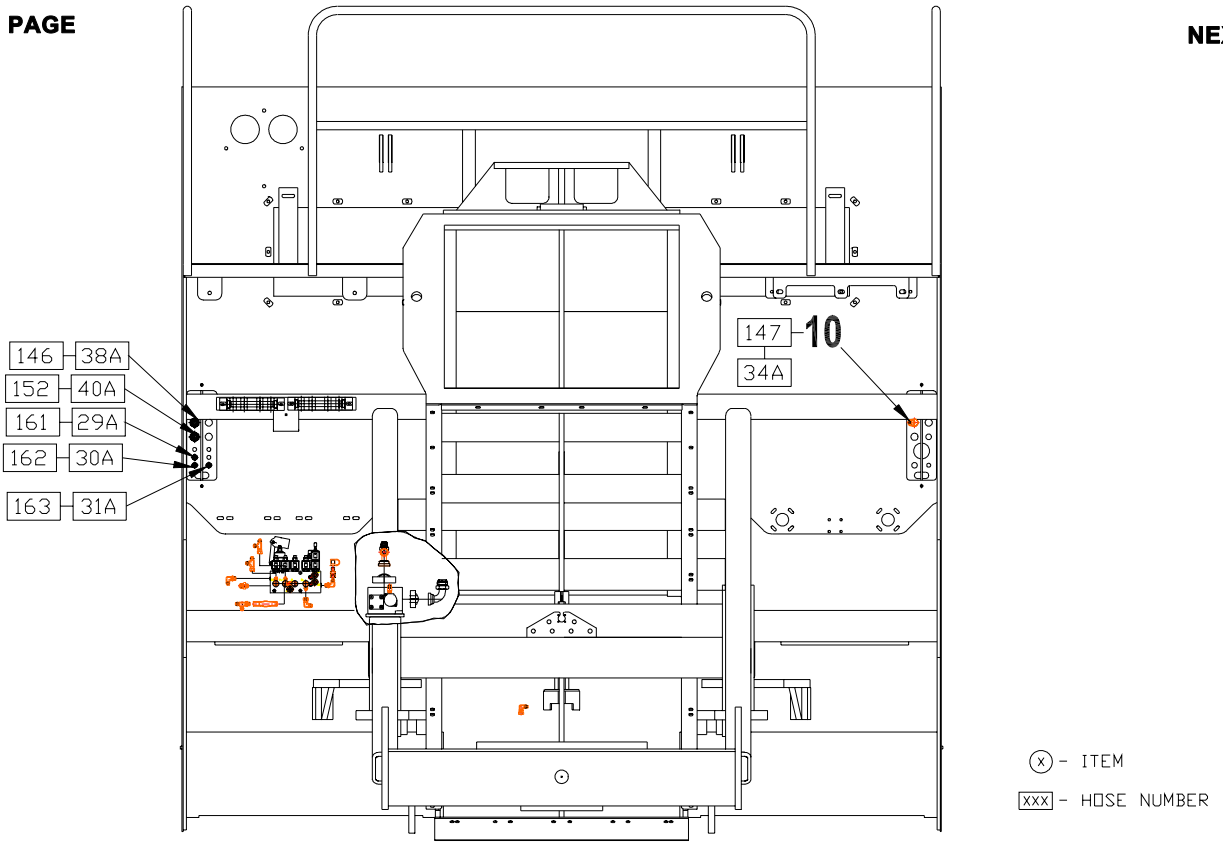
HOOD RAISE HYDRAULICS
(204266-01)

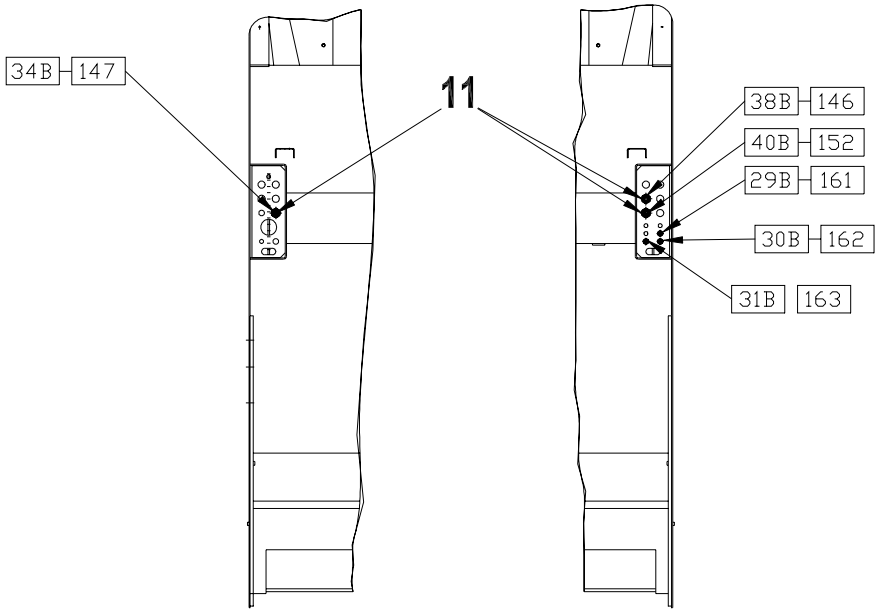
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	201812-01	CYLINDER - 2" BORE X 16" STROKE	1
2	200591	HOLDING VALVE - P.O. CHECK	1
3	135923-04	FIT - 6 JIC X 6 SAE SWIVEL ST CONNECTOR	1
4	83734-04	FIT - 6 JIC X 6 SAE MALE 90 DEG. CONNECTOR	2
5	83735-04	FIT - 6 JIC X 6 SAE ST	2
6	89577-04	FIT - VENT CAP 1/4 NPT	2
7	86622-04	FIT - 1/4 NPT M - 6 JIC FEM SWIVEL	1
8	202552-04	FIT - RESTRICTOR 6 JIC X 0.0292 ORIFICE	1
9	201315-03	DETAIL - HAND PUMP HANDLE	1
10	201253-04	GRIP - ROUND VINYL GRIP	1
11	98296-C1	CLIP KIT	2
12	83114	HEX BOLT - 1/4-20 X 1/2"	2
13	83065	LOCKWASHER - 1/4" SPRING STEEL	2
14	84635-04	6 SAE PLUG	2

NEXT PAGE

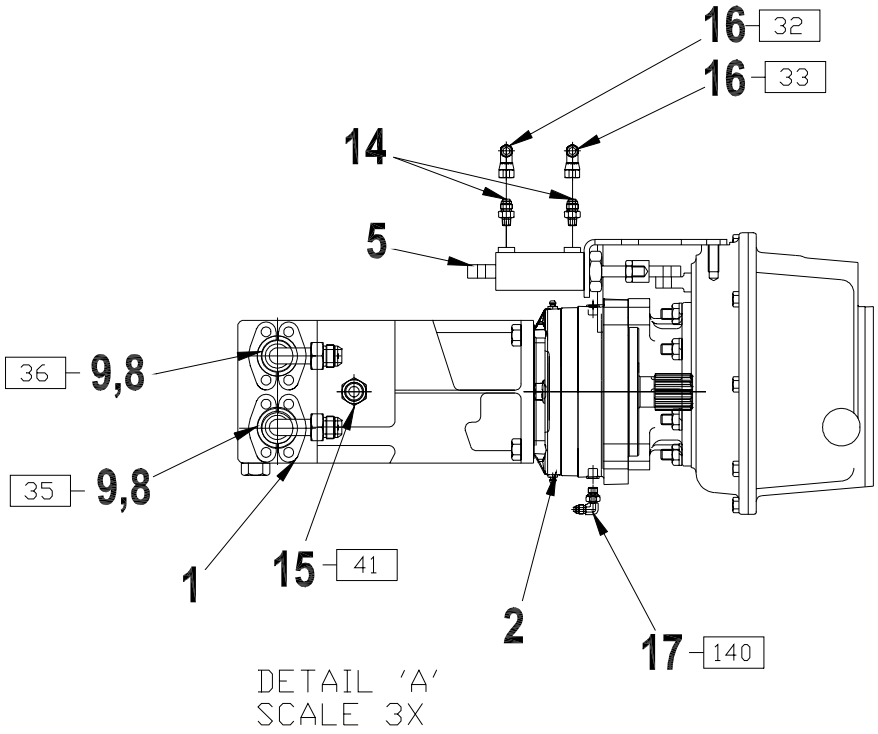



XX - ITEM
XXX - HOSE NUMBER
13
13
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18,19,20
SEE DETAIL 'B'
SEE DETAIL 'A'
21
22
23
24

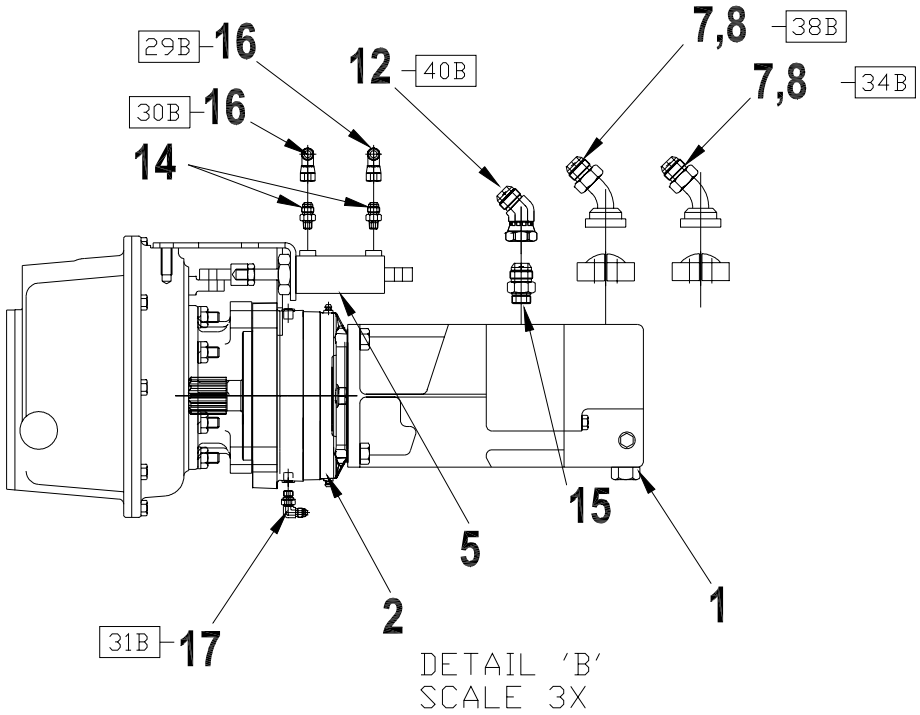

146 38A
152 40A
161 29A
162 30A
163 31A
147 34A
10
(x) - ITEM
xxx - HOSE NUMBER


34B 147
11
38B 146
40B 152
29B 161
30B 162
31B 163

PREVIOUS PAGE



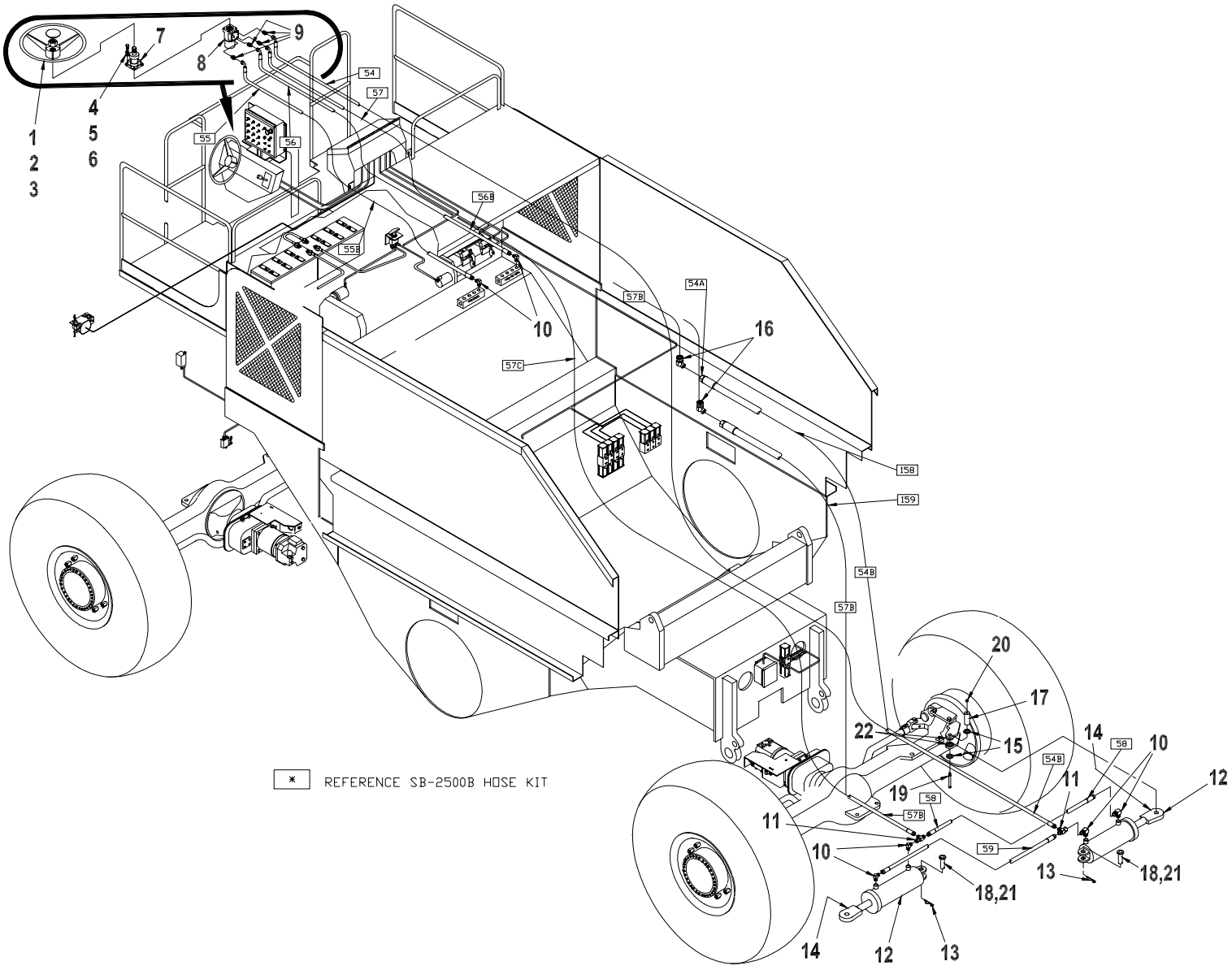
DETAIL 'A'
SCALE 3X



DETAIL 'B'
SCALE 3X

PROPEL DRIVE HYDRAULICS
(200772-01)

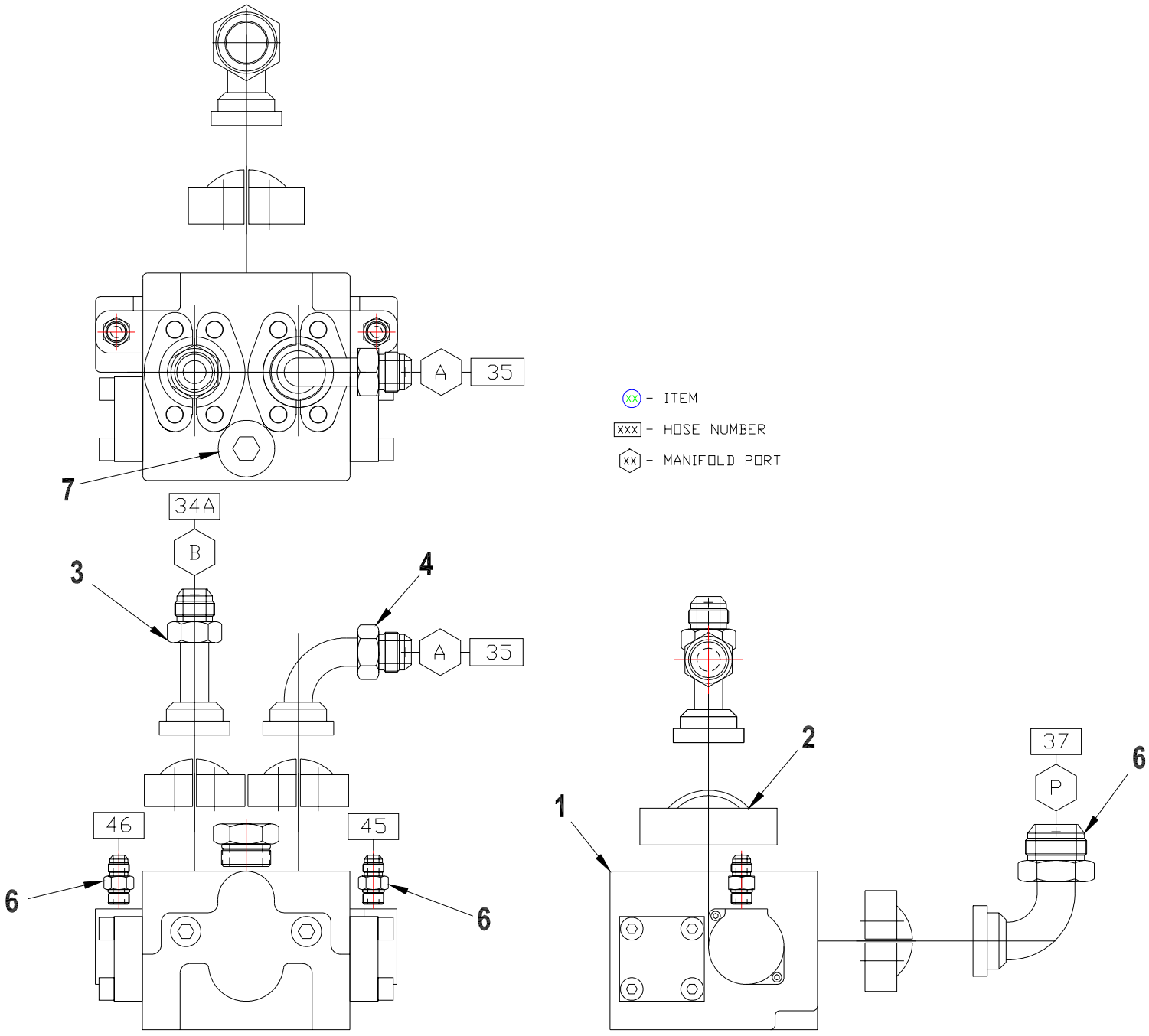
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	91681-04	MOTOR DRIVE	2
2	142483-01	BRAKE-MULTI-DISC-WET	2
3	202267-02	DIFF. LOCK VALVE	1
4	202291-03	HAND PUMP/PILOT MANIFOLD	1
5	130419	CYLINDER - 1.5 BORE X 1 STR. .5 ROD	2
6			
7	96751	#16 FLANGE 45 12 JIC - CODE 62	2
8	90729	#16 FLANGE KIT - CODE 62	4
9	83868-04	#16 FLANGE 90 12 JIC - CODE 62	1
10	140633-04	ELBOW - 12 JIC BULKHEAD 45	1
11	83476-04	FITTING - 12 JIC BULKHEAD UNION	5
12	90952-04	FITTING - 12 JIC SWIV 45	1
13	83475-04	FITTING - 6 JIC BULKHEAD UNION	6
14	128646	ADAPTOR ST. - 6 JIC X 1/8 NPT	4
15	83705-04	FITTING - 10 SAE X 12 JIC ST	2
16	83953-04	FITTING - 6 JIC FEM SW. 90	1
17	83743-04	ELBOW 90 - 4 JIC - 4 SAE	2
18	86164	HEX BOLT - 1/2-13 X 1 1/4	2
19	83317	LOCKWASHER - 1/2	2
20	83781-04	FLAT WASHER - 1/2	2
21	20N62	BOLT, HEX 3/8 - 16 X 5"	2
22	83055	HEX NUT - 3/8-16 UNC GR8	2
23	83056	LOCKWASHER - 3/8 I.D. NOM	2
24	83757	FLAT WASHER - 3/8	2
25	83627	ALL-THREAD 1/2-13 X 4 1/4"	8
26	15707	CONICAL WASHER 1/2"	8
27	139741-04	NUT, CENTER LOCK 1/2-13 GD. 8	8


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56B
55B
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57C
57B
54A
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158
159
54B
57B
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17
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15
14
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54B
11
12
19
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57B
11
10
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18,21
18,21
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12
13
* REFERENCE SB-2500B HOSE KIT

STEERING HYDRAULICS
(149416-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	O3915	STEERING WHEEL CAP	1
2	89045	STEERING WHEEL NUT	1
3	O3913	STEERING WHEEL	1
4	83924	BOLT, HEX 3/8 - 16 X 1 1/2"	4
5	83056	LOCKWASHER 3/8"	4
6	83757	FLAT WASHER 3/8"	6
7	80375-04	STEERING COLUMN	1
8	89048-04	STEERING VALVE	1
9	83496-04	6 JIC X 8 SAE ST	4
10	84426-04	6 JIC X 8 SAE 90 M.	6
11	84636-04	6 JIC SWIVEL RUN TEE	2
12	144895-01	CYLINDER 3.50 BORE X 8.25 STROKE	2
13	93917	COTTER PIN - 1/4" X 2"	4
14	89462-04	GREASE FITTING - 1/8" NPT 90	2
15	140174-04	WASHER - STEERING CYL.	4
16	90768-04	6 JIC 45 SWIVEL	2
17	140175-04	PIN - STEERING COLUMN (OUTSIDE)	2
18	130686-04	PIN - STEERING COLUMN (INSIDE)	2
19	20N62	BOLT, HEX 3/8 X 5"	2
20	92235	NUT, LOCK 3/8"	2
21	83416	GREASE FITTING - 1/8" NPT ST	2
22	122043-04	SPACER	4

DIFF. LOCK VALVE ASSEMBLY
(202267-02)

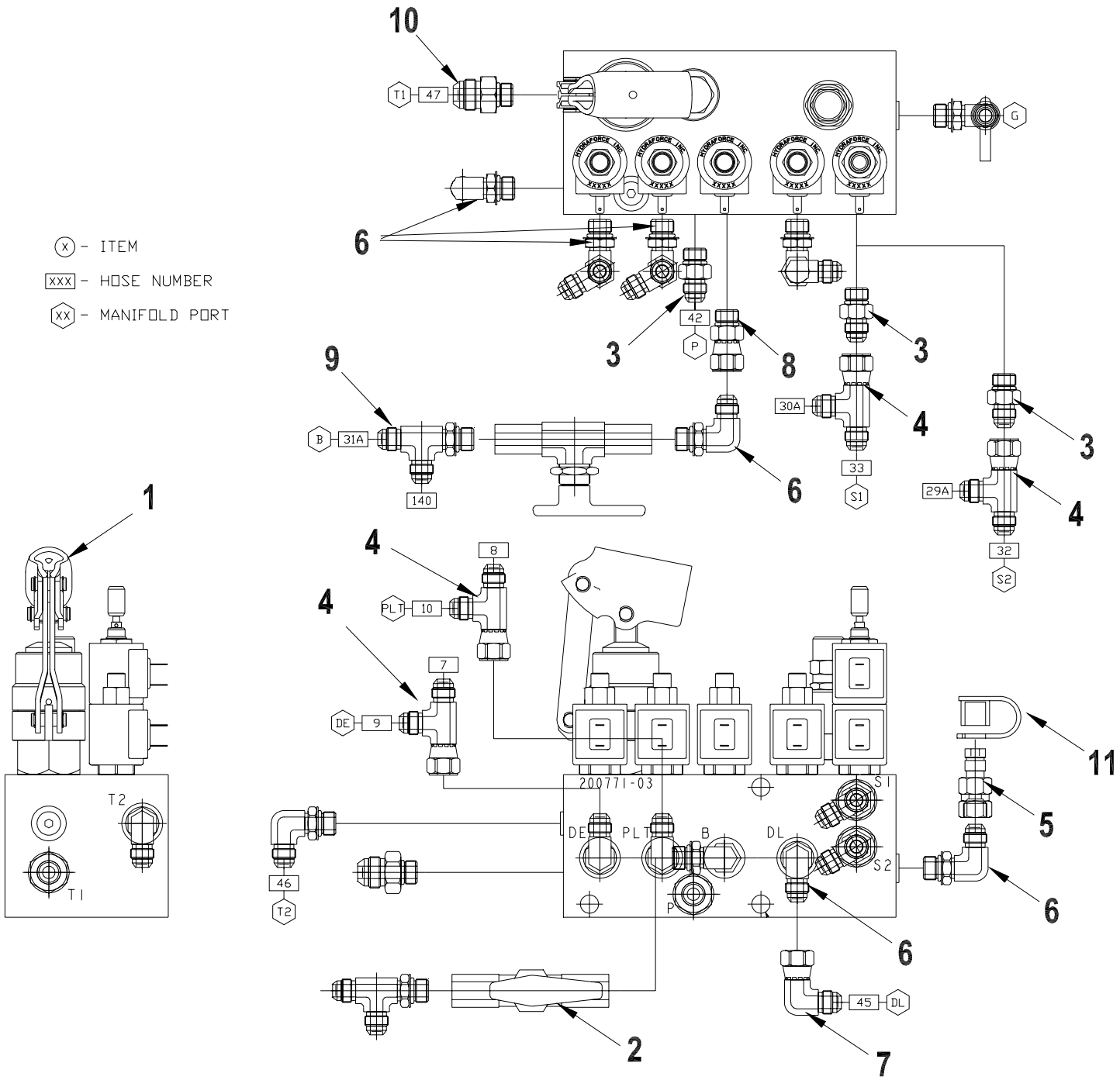


DIFF. LOCK VALVE ASSEMBLY
(202267-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	98877	VALVE -FLOW DIVIDER	1
2	90729	FLANGE KIT - # 16 CODE 62	3
3	97568	FITTING - 12 JIC X 16 FLANGE ST. CODE 62	1
4	83868-04	FITTING - 12 JIC X 16 FLANGE 90 CODE 62	1
5	95981	FITTING - 20 JIC X 16 FLANGE 90 CODE 62	1
6	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
7	85396-04	FITTING - 16 SAE PLUG	1

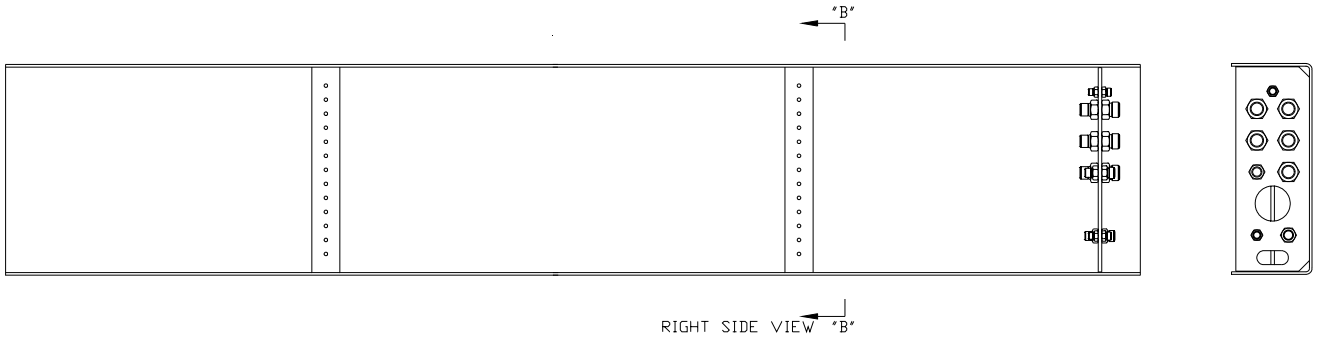
HAND PUMP / PILOT VALVES MANIFOLD ASSY.

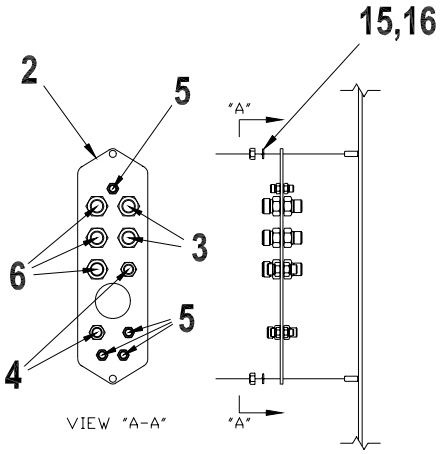
(202291-03)

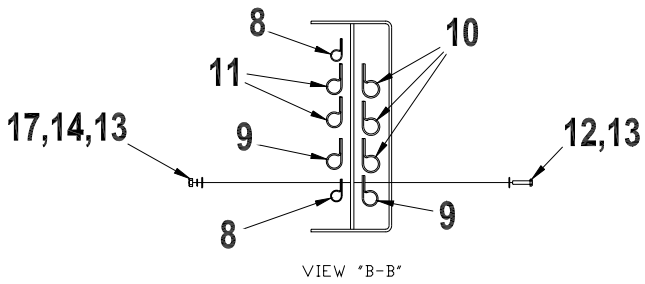


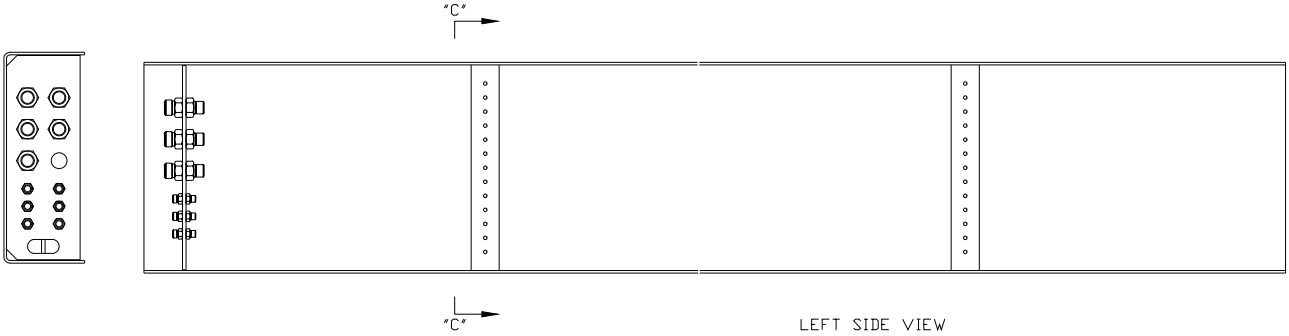
HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)

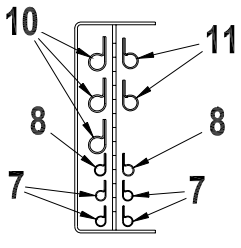
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200771-03	VALVE - HAND PUMP / PILOT MANIFOLD	1
2	131913-04	2-WAY BALL VALVE 6 SAE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	3
4	84636-04	SWIVEL RUN TEE - 6 JIC	4
5	131680-04	FITTING - 6 JIC TEST PORT	1
6	83734-04	FITTING - 6 SAE X 6 JIC 90	5
7	83953-04	FITTING - 6 JIC FM. SW. 90	1
8	135923-04	FITTING - 6 SAE M. X 6 JIC FM. SW. ST.	2
9	91665-04	FITTING - 6 SAE X 6 JIC RUN TEE	1
10	83462-04	FITTING - 6 SAE X 8 JIC ST	1
11	85949-04	TEST PORT CAP	1

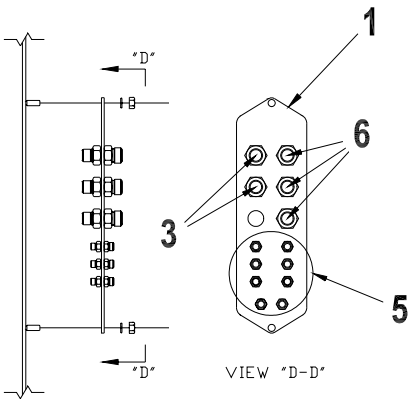

"B"
RIGHT SIDE VIEW "B"


2
5
3
6
5
4
"A"
15,16
"A"
VIEW "A-A"


8
10
11
17,14,13
9
12,13
8
9
VIEW "B-B"


"C"
"C"
LEFT SIDE VIEW


10
11
8
8
7
7
VIEW "C-C"


"D"
"D"
1
6
3
5
VIEW "D-D"

HYDRAULIC CHANNEL ASSEMBLY
(205434-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200282-04	LT. HYDRAULIC CHANNEL BULKHEAD PLATE	1
2	200283-04	RT. HYDRAULIC CHANNEL BULKHEAD PLATE	1
3	83476-04	12 JIC BULKHEAD UNION	14
4	83453-04	8 JIC BULKHEAD UNION	4
5	83475-04	6 JIC BULKHEAD UNION	20
6	99986	FIT - 12 JIC X 90 DEG. BULKHEAD UNION	6
7	20K35	CLAMPS BG - 5/8" X 1/2"	8
8	20K36	CLAMPS BG - 11/16" X 1/2"	8
9	20K37	CLAMPS BG - 15/16" X 1/2"	4
10	20K38	CLAMPS BG - 1 1/4" X 1/2"	12
11	16P29	CLAMPS BG - 1" X 1/2"	8
12	90763	BOLT, HEX 1/4 - 20 X 1 1/4" GD. 8	22
13	84444	FLAT WASHER 1/4" STEEL	44
14	83065	LOCKWASHER 1/4" SPRING STEEL	22
15	83056	LOCKWASHER 3/8" SPRING STEEL	4
16	83055	NUT, HEX 3/8 - 16 GD. 8	4
17	89772	NUT, HEX 1/4 - 20 GD. 8	22

ASSY. 205434-01 REV. 6/6/03

ROADTEC an Astec company

Hose type codes

code	model	description
VAC	Parker	suction
LP	Parker 421	low pressure
STD	Parker 381 for #4, #6 and #8 hose	medium pressure
	Parker 451TC for #12 and #16	medium pressure
HP	Parker 78C,731-12	high pressure
HT	Parker 943B	high temperature

MASTER LIST BY HOSE NUMBER

Hose #	Circuit		Roadtec P/N	Function	Hose dia	Type	Cut Hose "	Hose end	Hose end	Circuit (Tier)
1	BRAKES / FLOWGATES		130820	BRAKE	0.375	STD	41	6x6 ST	6x6 LN 90	2
2	**BRAKES / FLOWGATES**		**146021**	**BRAKE**	**0.375**	**STD**	**41**	**6x6 ST**	**6x6 90**	**2**
3	**BRAKES / FLOWGATES**		**146021**	**BRAKE**	**0.375**	**STD**	**41**	**6x6 ST**	**6x6 90**	**2**
4	BRAKES / FLOWGATES		93279-04	BRAKE	0.375	STD	31	6x6 ST	6x6 90	2
5	BRAKES / FLOWGATES		146028	BRAKE	0.375	STD	78	6x6 ST	6x6 90	2
6	BRAKES / FLOWGATES		129768	BRAKE	0.25	STD	102	4x6 ST	4x6 90	2
7	PLATFORM LIFT		99631	HOLD BLK-CYL	0.25	STD	108	4x6 ST	4x6 90	12
8	PLATFORM LIFT		201300	SUMP-PUMP	0.25	STD	108	4x6 ST	4x6 LN 90	12
9	PLATFORM LIFT		122296	PUMP-TANK	0.25	STD	70	4x6 ST	4x6 ST	12
10	PLATFORM LIFT		130191	PUMP-PWRPK	0.25	STD	72	4x6 ST	4x6 90	12
12	BRAKES / FLOWGATES		134973	BRAKE	0.375	STD	112	6x6 ST	6x6 90	2
13	BRAKES / FLOWGATES		93274-04	BRAKE	0.375	STD	22	6x6 ST	6x6 90	2
14	BRAKES / FLOWGATES		135627	BRAKE	0.375	STD	25	6x6 ST	6x6 90	2
15	C-3 DRIVE		145996	C3*DRIVE*A	1	HP	118	16x16 ST	16x16 ST	9
16	C-3 DRIVE		145995	C3*DRIVE*B	1	HP	110	16x16 ST	16x16 ST	9
17	C-3 DRIVE		145994	C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	9
18	C-3 DRIVE		145994	C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	9
23	C3 AUX. / C3 CLEANOUT DOOR		134031	AUXILIARY	0.5	STD	41	8x8 ST	8x8 90	3
24	C3 AUX. / C3 CLEANOUT DOOR		93293-04	AUXILIARY	0.375	STD	35	6x6 ST	6x6 90	3
25	C3 AUX. / C3 CLEANOUT DOOR		99631	C3*SWING	0.25	STD	108	4x6 ST	4x6 90	3
26	C3 AUX. / C3 CLEANOUT DOOR		99631	C3*SWING	0.25	STD	108	4x6 ST	4x6 90	3
27	C3 AUX. / C3 CLEANOUT DOOR		130199	C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	3
28	C3 AUX. / C3 CLEANOUT DOOR		130199	C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	3
32	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		99664	R*2SPD*HIGH	0.25	STD	87	4x6 ST	4x6 90	4
33	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		99664	R*2SPD*LOW	0.25	STD	87	4x6 ST	4x6 90	4
35	TRACTION DRIVE		146331-04	D*LOCK	0.75	HP	48	12x12 ST	12x12 ST	7

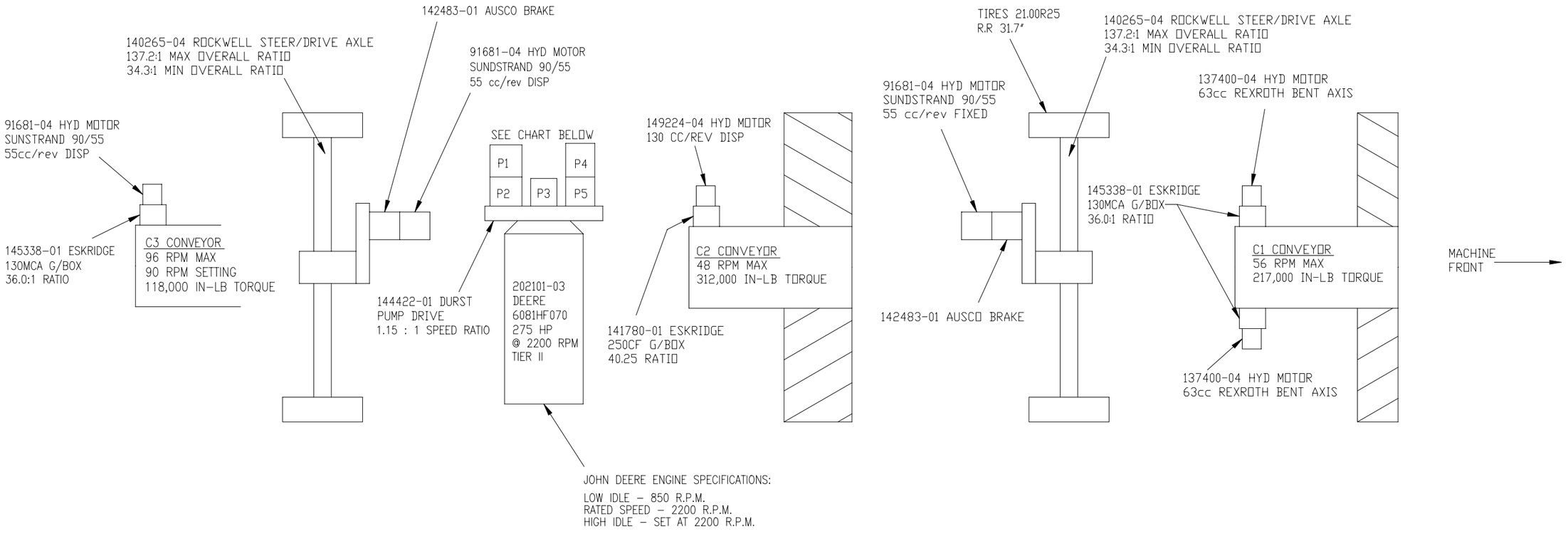
36	TRACTION DRIVE		146338-04	R*DRIVE*A	0.75	HP	105	12x12 ST	12x12 90	7
37	TRACTION DRIVE		201241	PMP*DRIVE*B	1.25	HP	46	20x20 ST	20x20 ST	7
39	ENGINE		134530	DRIVE*SUC	1	VAC	62	16x16 ST	16x16 90	1
41	TRACTION DRIVE		121351	R*DRIVE*CD	0.75	STD	100	12x12 ST	12x12 90	7
42	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		129765	DRIVE*REG	0.375	STD	54	6x6 ST	6x6 90	4
45	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		99720	D*LOCK	0.375	STD	50	6x6 ST	6x6 ST	4
46	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		123658	D*LOCK	0.375	STD	59	6x6 ST	6x6 ST	4
47	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		120747	AUXILIARY	0.5	STD	105	8x8 ST	8x8 90	4
48	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		201245	C2*COD	0.375	STD	50	6x6 ST	6x6 LN 90	4
49	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134801	C2*COD*RT	0.375	STD	93	6x6 ST	6x6 ST	4
50	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		93315-04	C2*COD*PR	0.375	STD	85	6x6 ST	6x6 ST	4
51	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		127076	C2*COD	0.375	STD	57	6x6 ST	6x6 90	4
52	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		97801	C2*COD*JUMP	0.375	STD	48	6x6 ST	6x6 ST	4
53	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		97800	C2*COD*JUMP	0.375	STD	60	6x6 ST	6x6 ST	4
55	STEERING / C1 LIFT		137729	STEER*RT	0.375	STD	136	6x6 ST	6x6 LN 90	5
56	STEERING / C1 LIFT		97803	STEER*PR	0.375	STD	126	6x6 ST	6x6 90	5
58	STEERING / C1 LIFT		93312-04	STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	5
59	STEERING / C1 LIFT		93312-04	STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	5
60	C2 DRIVE / OIL COOLER		201712	COOLER*OUT	1.25	LP	114	20x20 ST	20x20 ST	8
61	C2 DRIVE / OIL COOLER	201713	201713	COOLER*IN	1.25	LP	172	20x20 ST	20x20 ST	8
62	**FUME EXTRACTION**		**132285**	**AUXILIARY**	**0.75**	**STD**	**84**	**12x12 ST**	**12x12 90**	**11**
63	ENGINE		201249	AUXILIARY	1.5	VAC	46	24x24 ST	24x24 ST	1
64	ENGINE		134282	AUXILIARY	0.75	STD	27	12x12 ST	12x12 90	1
65	ENGINE		93359-04	C1*PUMP*CD	0.75	STD	32	12x12 ST	12x12 ST	1
66	ENGINE		201250	C2*PUMP*SUC	1.25	VAC	41	20x20 ST	20x20 90	1
67	ENGINE		201711	AUX*PUMP*CD	0.75	STD	47	12x12 ST	12x12 ST	1
68	C2 DRIVE / OIL COOLER		120120	C2*MTR*CD	0.75	STD	76	12x12 ST	12x12 90	8
69	C2 DRIVE / OIL COOLER		120121	C2*DRIVE*A	1.25	HP	90	20x20 ST	20x20 ST	8
70	C2 DRIVE / OIL COOLER		146024	C2*DRIVE*B	1.25	HP	82	20x20 ST	20x20 ST	8
71	C3 DRIVE		120187	C3*DRIVE*CD	0.75	STD	118	12x12 ST	12x12ST	9
77	ENGINE		134047	C3*DRIVE*CD	0.75	STD	66	12x12 ST	12x12 90	1
78	ENGINE		201255	C3*DRIVE*SUC	1	VAC	51	16x16 ST	16x16 90	1
79	C1 DRIVE		201256-04	L*C1*DRIVE*A	0.75	HP	65	12x12 ST	12x12 90	6
80	C1 DRIVE		146332-04	L*C1*DRIVE*B	0.75	HP	29	12x12 ST	12x12 90	6
81	C1 DRIVE		201257-04	R*C1*DRIVE*A	0.75	HP	99	12x12 ST	12x12 90	6
82	C1 DRIVE		201258-04	R*C1*DRIVE*B	0.75	HP	110	12x12 ST	12x12 90	6
83	ENGINE		93323-04	C2*DRIVE*CD	0.75	STD	43	12x12 ST	12x12 ST	1
84	ENGINE		130654	C1*DRIVE*SUC	1.25	VAC	74	20x20 ST	20x20 90	1
85	C1 DRIVE		201275	L*C1*DRIVE*CD	0.75	STD	36	12x12 ST	12x12 ST	6

86	C1 DRIVE		130652	R*C1*DRIVE*CD	0.75	STD	90	12x12 ST	12x12 90	6
87	ENGINE		201297	DURST*DR	0.5	STD	82	8x8 ST	8x8 90	1
88	C1 AUXILIARY		201277	VIBRATOR	0.25	STD	135	4x6 ST	4x6 ST	10
89	C1 AUXILIARY		201276	VIBRATOR	0.25	STD	134	4x6 ST	4x6 45	10
90	C1 AUXILIARY		201278	D*HOPPER	0.25	STD	134	4x6 ST	4x6 ST	10
91	C1 AUXILIARY		148505	D*HOPPER	0.25	STD	128	4x6 ST	4x6 ST	10
92	C1 AUXILIARY		201279	D*HOPPER	0.25	STD	220	4x6 ST	4x6 ST	10
93	C1 AUXILIARY		201280	D*HOPPER	0.25	STD	226	4x6 ST	4x6 ST	10
94	C1 AUXILIARY		99646	C1*AUX	0.5	STD	107	8x8 ST	8x8 90	10
95	C1 AUXILIARY		99654	C1*AUX	0.375	STD	107	6x6 ST	6x6 90	10
98	C1 AUXILIARY		99665	C1*AUX	0.375	STD	26	6x6 ST	6x6 90	10
99	C1 AUXILIARY		99666	C1*AUX	0.375	STD	26	6x6 ST	6x6 ST	10
100	C1 AUXILIARY		120164	C1*AUX	0.375	STD	23	6x6 ST	6x6 90	10
101	C1 AUXILIARY		120826	C1*AUX	0.375	STD	23	6x6 ST	6x6 ST	10
106	C1 DRIVE		201286	C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	6
107	C1 DRIVE		201286	C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	6
108	C1 DRIVE		201287-04	C1*MTR	0.75	HP	162	12x12 ST	12x12 ST	6
109	C1 DRIVE		201287-04	C1*MTR	0.75	HP	162	12x12 ST	12x12 ST	6
110	C1 DRIVE		201287-04	C1*MTR	0.75	HP	162	12x12 ST	12x12 ST	6
111	C1 DRIVE		201287-04	C1*MTR	0.75	HP	162	12x12 ST	12x12 ST	6
112	ENGINE		120756	DRIVE*CD	0.75	STD	27	12x12 ST	12x12 ST	1
113	ENGINE		129853	ENG*OIL*DR	0.75	STD	60	12x12 ST	12x12 ST	1
117	C3 DRIVE		127788	C3*MTR*CD	0.75	STD	274	12x12 ST	12x12 ST	9
118	ENGINE		201288	F*FXS*SUC	1	VAC	80	16x16 ST	16x16 90	1
119	ENGINE		201289	R*FXS*SUC	1	VAC	86	16x16 ST	16x16 90	1
120	ENGINE		93621-04	F*FXS*PR	0.5	STD	48	8x8 ST	8x8 90	1
121	ENGINE		93621-04	R*FXS*PR	0.5	STD	48	8x8 ST	8x8 90	1
122	C3 AUX. / C3 CLEANOUT DOOR		93294-04	C3 SWING	0.25	STD	42	4x6 ST	4x6 90	3
123	C3 AUX. / C3 CLEANOUT DOOR		93294-04	C3 SWING	0.25	STD	42	4x6 ST	4x6 90	3
124	FUME EXTRACTION		201290	FXS*AUX	0.5	STD	116	8x8 ST	8x8 ST	11
125	FUME EXTRACTION		134008	FXS*AUX	0.5	STD	104	8x8 ST	8x8 ST	11
126	FUME EXTRACTION		136292	FXS*AUX	0.75	STD	110	12x12 ST	12x12 90	11
128	FUME EXTRACTION		97392	FXS*AUX	0.5	STD	141	8x8 ST	8x8 90	11
129	FUME EXTRACTION		93413-04	FXS*AUX	0.75	STD	50	12x12 ST	12x12 90	11
130	FUME EXTRACTION		201291	FXS*AUX	0.75	STD	115	12x12 ST	12x12 ST	11
131	FUME EXTRACTION		130139	FXS*AUX	0.5	STD	110	8x8 ST	8x8 ST	11
132	C3 AUX. / C3 CLEANOUT DOOR		128974	C3*COD	0.25	STD	52	4x6 ST	4x6 90	3
133	C3 AUX. / C3 CLEANOUT DOOR		122295	C3*COD	0.25	STD	48	4x6 ST	4x6 90	3
134	C3 AUX. / C3 CLEANOUT DOOR		130200	C3*COD	0.25	STD	102	4x6 ST	4x6 ST	3

135	C3 AUX. / C3 CLEANOUT DOOR		130200	C3*COD	0.25	STD	102	4x6 ST	4x6 ST	3
136	C3 AUX. / C3 CLEANOUT DOOR		201293	C3*COD	0.375	STD	35	6x8 ST	6x8 90	3
137	C3 AUX. / C3 CLEANOUT DOOR		99655	C3*COD	0.375	STD	27	6x6 ST	6x6 90	3
138	C1 AUXILIARY		131019	C1*COD	0.25	STD	64	4x6 ST	4x6 ST	10
139	C1 AUXILIARY		97396	C1*COD	0.25	STD	66	4x6 ST	4x6 90	10
140	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		146033	R*PARK*BRAKE	0.25	STD	96	4x4 ST	4x6 90	4
141	BRAKES / FLOWGATES		130821	R*BRAKE	0.375	STD	60	6x6 ST	6x6 90 45 deg flare	2
142	BRAKES / FLOWGATES		201292	R*BRAKE	0.375	STD	68	6x6 ST	6x6 90 45 deg flare	2
143	BRAKES / FLOWGATES		201294	F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	2
144	BRAKES / FLOWGATES		201294	F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	2
146	C1 DRIVE		201296-04	R*C1*DRIVE*PR	0.75	HP	96	12x12 ST	12x12 ST	6
147	C1 DRIVE		201296-04	R*C1*DRIVE*RT	0.75	HP	96	12x12 ST	12x12 ST	6
148	C1 DRIVE		201296-04	L*C1*DRIVE*PR	0.75	HP	96	12x12 ST	12x12 ST	6
149	C1 DRIVE		201296-04	L*C1*DRIVE*RT	0.75	HP	96	12x12 ST	12x12 ST	6
150	TRACTION DRIVE		201296-04	DRIVE*PR	0.75	HP	96	12x12 ST	12x12 ST	7
151	TRACTION DRIVE		201296-04	DRIVE*RT	0.75	HP	96	12x12 ST	12x12 ST	7
152	C1 DRIVE		125466	R*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	6
153	TRACTION DRIVE		125466	DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	7
154	C1 DRIVE		125466	L*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	6
155	FUME EXTRACTION		125466	FXS*RT	0.75	STD	96	12x12 ST	12x12 ST	11
156	FUME EXTRACTION		93339-04	FXS*PR	0.5	STD	98	8x8 ST	8x8 ST	11
157	C1 AUXILIARY		93339-04	C1*AUX*RT	0.5	STD	98	8x8 ST	8x8 ST	10
158	STEERING / C1 LIFT		201298	L*STEER	0.375	STD	98	6x6 ST	6x6 ST	5
159	STEERING / C1 LIFT		201298	R*STEER	0.375	STD	98	6x6 ST	6x6 ST	5
160	C1 AUXILIARY		201298	C1*AUX*PR	0.375	STD	98	6x6 ST	6x6 ST	10
161	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134495	2*SPD*H	0.25	STD	98	4x6 ST	4x6 ST	4
162	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134495	2*SPD*L	0.25	STD	98	4x6 ST	4x6 ST	4
163	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134495	FR*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	4
164	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134495	FR*PARK*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	4
165	FUME EXTRACTION		141179-04	FXS*PR	0.5	STD	20	8x8 ST	8x8 90	**11**
170	FUME EXTRACTION		93331-04	AUXILIARY	0.75	STD	54	12x12 ST	12x12 90	11
173	FUME EXTRACTION		148614	C1 FXS*CD	0.375	STD	110	6x6 ST	6x6 ST	11
174	FUME EXTRACTION		201298	FXS*CD*PANEL	0.375	STD	98	6x6 ST	6x6 ST	11
175	FUME EXTRACTION		127111	FXS*BH*TANK	0.375	STD	130	6x6 ST	6x6 ST	11
176	FUME EXTRACTION		97800	C2*FXS*TANK	0.375	STD	60	6x6 ST	6x6 ST	11
178	C1 AUXILIARY		99660	PUSH ROLLER	0.5	STD	110	8x8 ST	8X8 90	10
179	C1 AUXILIARY		121546	PUSH ROLLER	0.375	STD	120	6x6 ST	6x6 90	10
180	C1 AUXILIARY		97859	PUSH ROLLER	0.25	STD	100	4x6 ST	4x6 ST	10

181	C1 AUXILIARY		129836	PUSH ROLLER	0.25	STD	105	4x6 ST	4x6 ST	10
182	C1 AUXILIARY		99645	PUSH ROLLER	0.25	STD	200	4x6 ST	4x6 ST	10
183	C1 AUXILIARY		200302	PUSH ROLLER	0.25	STD	208	4x6 ST	4x6 ST	10
11A	BRAKES / FLOWGATES		129836	BRAKE	0.25	STD	105	4x6 ST	4x6 ST	2
11B	BRAKES / FLOWGATES		134033	BRAKE	0.25	STD	96	4x6 ST	4x6 45	2
171A	C1 AUXILIARY		130191	BAFFLE*OPEN	0.25	STD	72	4x6 ST	4x6 90	10
171B	C1 AUXILIARY		93341-04	BAFFLE*OPEN	0.25	STD	161	4x6 ST	4x6 ST	10
172A	C1 AUXILIARY		93411-04	BAFFLE*CLOSE	0.25	STD	72	4x6 ST	4x6 ST	10
172B	C1 AUXILIARY		201299	BAFFLE*CLOSE	0.25	STD	158	4x6 ST	4x6 90	10
19A	BRAKES / FLOWGATES		201220	FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	2
19B	BRAKES / FLOWGATES		96943	FLOWGATES	0.25	STD	58	4x6 ST	4x6 ST	2
20A	BRAKES / FLOWGATES		201220	FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	2
20B	BRAKES / FLOWGATES		93603-04	FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	2
21A	BRAKES / FLOWGATES		201221	FLOWGATES	0.25	STD	110	4x6 ST	4x6 LN 90	2
21B	BRAKES / FLOWGATES		96943	FLOWGATES	0.25	STD	58	4x6 ST	4x6 ST	2
22A	BRAKES / FLOWGATES		129835	FLOWGATES	0.25	STD	110	4x6 ST	4x6 90	2
22B	BRAKES / FLOWGATES		93603-04	FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	2
29A	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		93384-04	F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	4
29B	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134034	F*2SPD*HIGH	0.25	STD	104	4x6 ST	4x6 45	4
30A	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		93384-04	F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	4
30B	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134034	F*2SPD*LOW	0.25	STD	104	4x6 ST	4x6 45	4
31A	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		120107	F*PARK*BRAKE	0.25	STD	34	4x6 ST	4x6 ST	4
31B	PARK BRAKE / 2 SPEED / DIFF. LOCK / C2 CLEANOUT DOOR		134038	F*PARK*BRAKE	0.25	STD	92	4x4 ST	4x6 45	4
34A	TRACTION DRIVE		149500-04	F*DRIVE*B	0.75	HP	62	12x12 ST	12x12 ST	7
34B	TRACTION DRIVE		146328-04	F*DRIVE*B	0.75	HP	73	12x12 ST	12x12 90	7
38A	TRACTION DRIVE		201242-04	F*DRIVE*A	0.75	HP	118	12x12 ST	12x12 90	7
38B	TRACTION DRIVE		201243-04	F*DRIVE*A	0.75	HP	76	12x12 ST	12x12 90	7
40A	TRACTION DRIVE		131416	F*DRIVE*CD	0.75	STD	84	12x12 ST	12x12 ST	7
40B	TRACTION DRIVE		127141	F*DRIVE*CD	0.75	STD	74	12x12 ST	12x12 90	7
54A	STEERING / C1 LIFT		134503	L*STEER	0.375	STD	156	6x6 ST	6x6 LN 90	5
54B	STEERING / C1 LIFT		201246	L*STEER	0.375	STD	126	6x6 ST	6x6 45	5
57A	STEERING / C1 LIFT		128235	R*STEER	0.375	STD	156	6x6 ST	6x6 90	5
57B	STEERING / C1 LIFT		201246	R*STEER	0.375	STD	126	6x6 ST	6x6 45	5
96A	STEERING / C1 LIFT		120747	C1*LIFT	0.5	STD	105	8x8 ST	8x8 90	5
96B	STEERING / C1 LIFT		136009	C1*LIFT	0.5	STD	147	8x8 ST	8x8 45	5
97A	STEERING / C1 LIFT		201281	C1*LIFT	0.375	STD	96	6x6 ST	6x6 LN 90	5
97B	STEERING / C1 LIFT		201282	C1*LIFT	0.375	STD	144	6x6 ST	6x6 45	5

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	6500 PSI	350 PSI	(DISPLACEMENT ADJUSTED DOWN TO 70 cc)
P2	99814	C2 CONVEYOR	SAUER 90/100	6500 PSI	350 PSI	
P3	128178	AUXILLIARY	REXROTH A10V045	2800 PSI	N/A	
P4	29J94	TRANSMISSION	SAUER 90/75	6500 PSI	350 PSI	
P5	99814	C1 CONVEYOR	SAUER 90/100	6500 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			

NOTE: PROTOTYPE TIER II MACHINE = SB-2500C SN 665

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

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

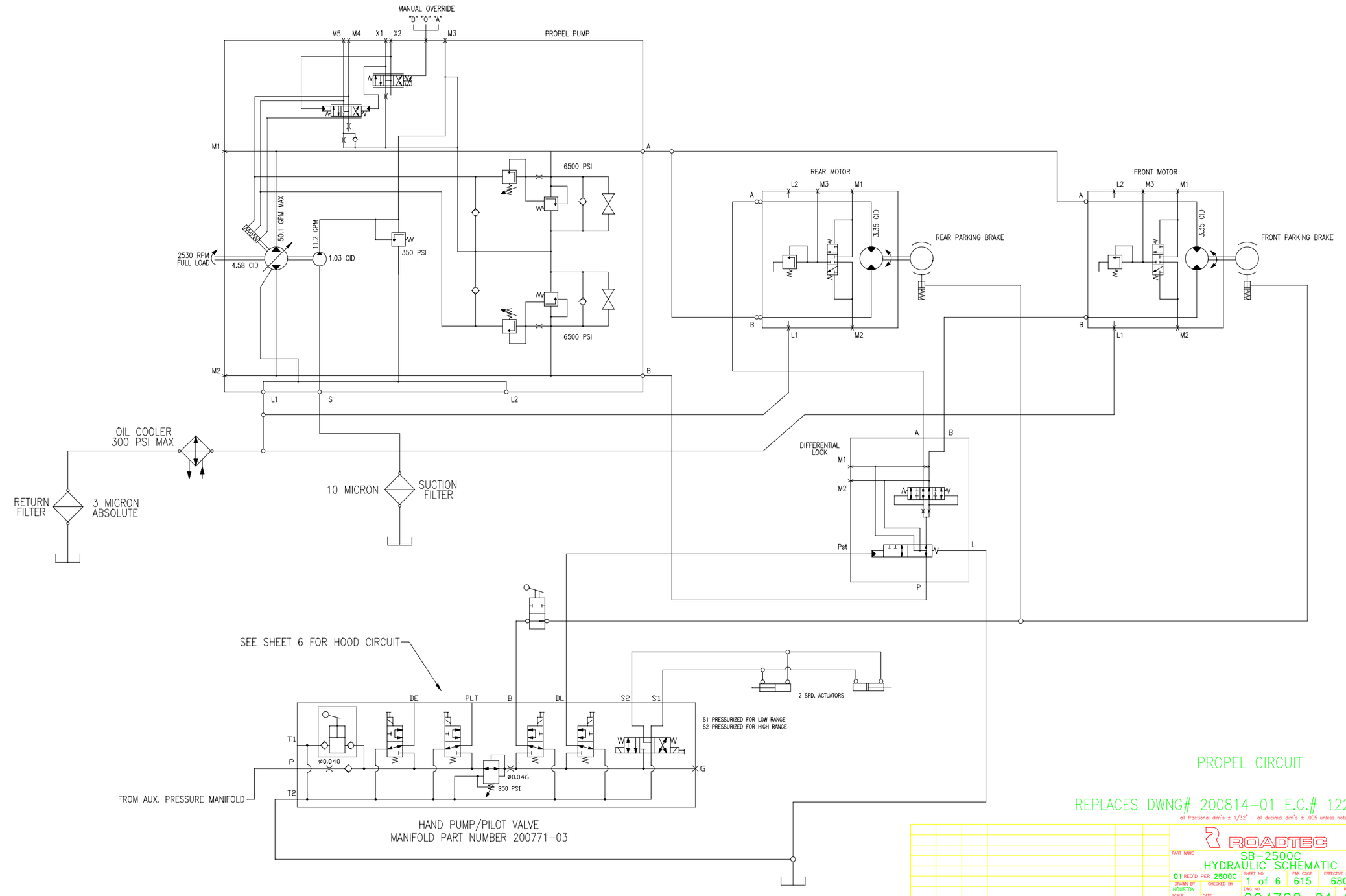
ROADTEC

PART NAME: SPEED CHART SB-2500C – TIER II

01 REQ'D PER: SB-2500C | SHEET NO: 1 of 1 | FAB CODE: N/A | EFFECTIVE S/N: 680

DRAWN BY: JHB | CHECKED BY: | DWG NO: 204417-01 | REV: 0

SCALE: 1 | DATE: 02/20/03



PROPEL CIRCUIT

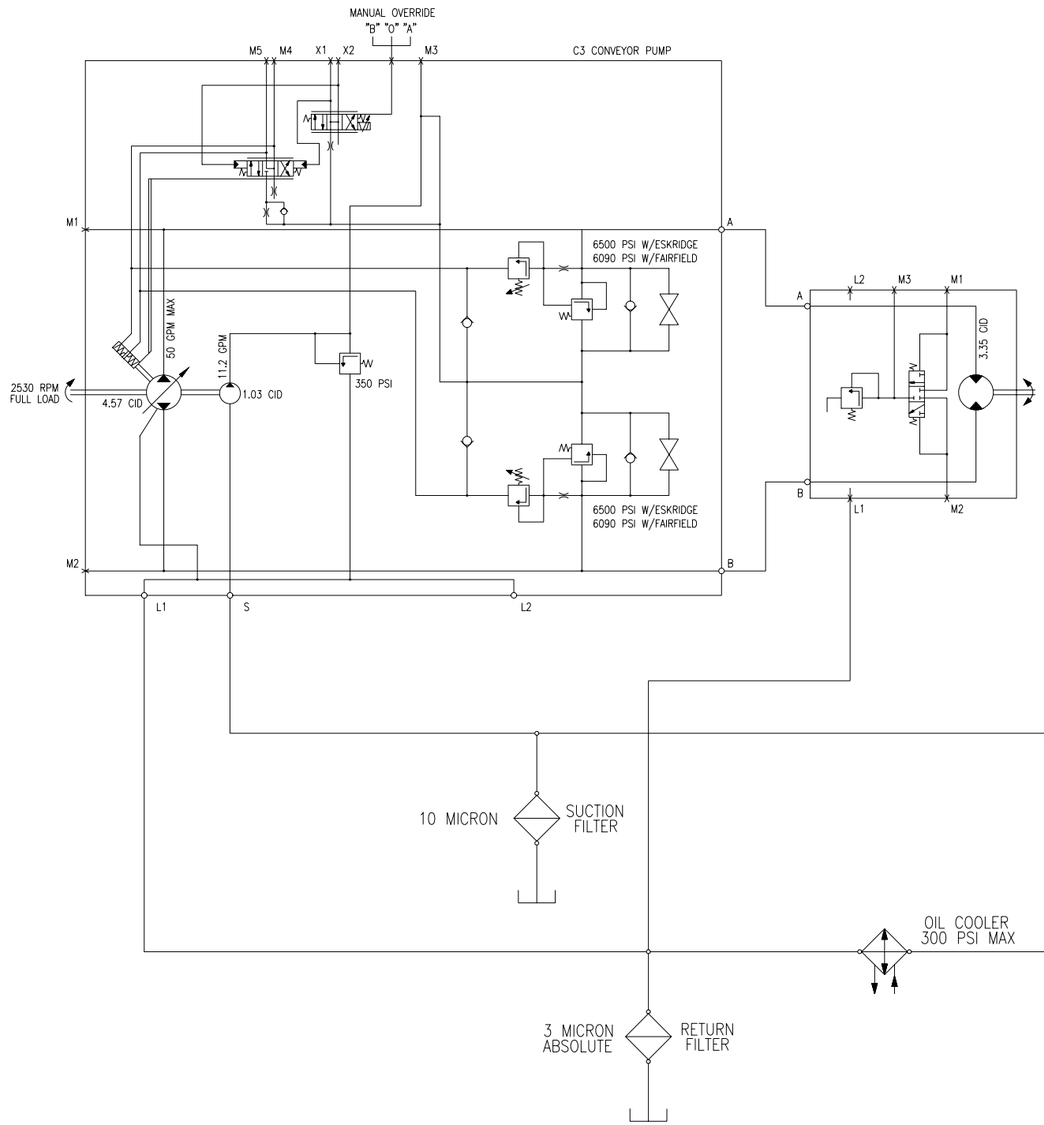
REPLACES DWNG# 200814-01 E.C.# 1220

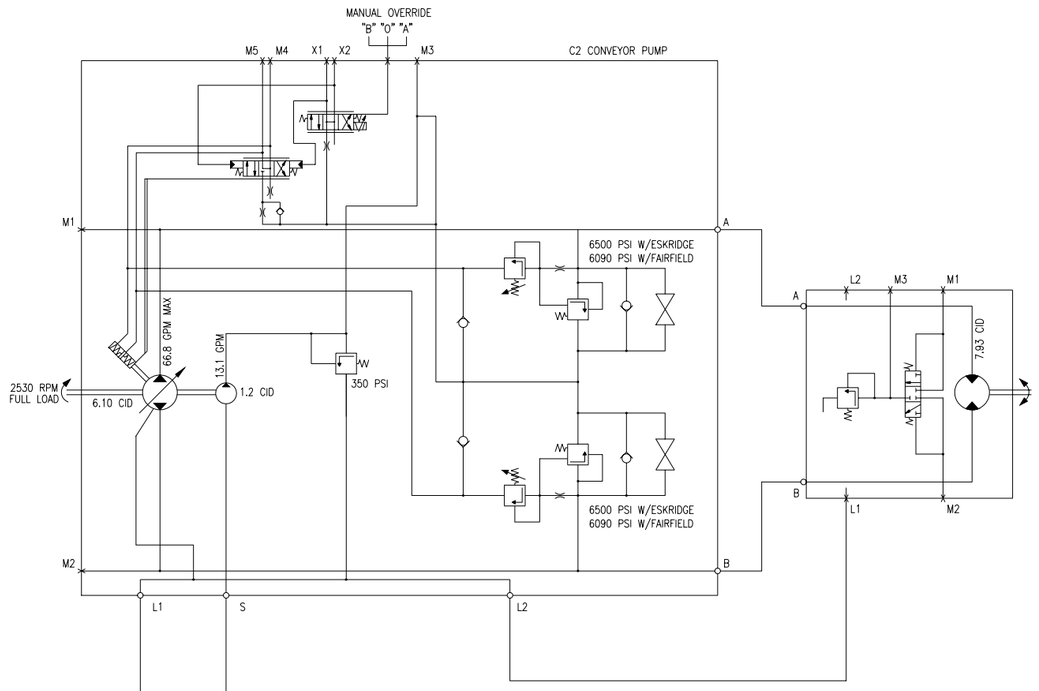
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

PART NAME	SB-2500C HYDRAULIC SCHEMATIC
01 REQ'D PER	2500C
SHEET NO.	1 of 6
FAB CODE	615
EFFECTIVE S/N	680
DRAWN BY	HOUSTON
CHECKED BY	
SCALE	3/4
DATE	03/20/03
DWG NO.	204722-01
REV.	0

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





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

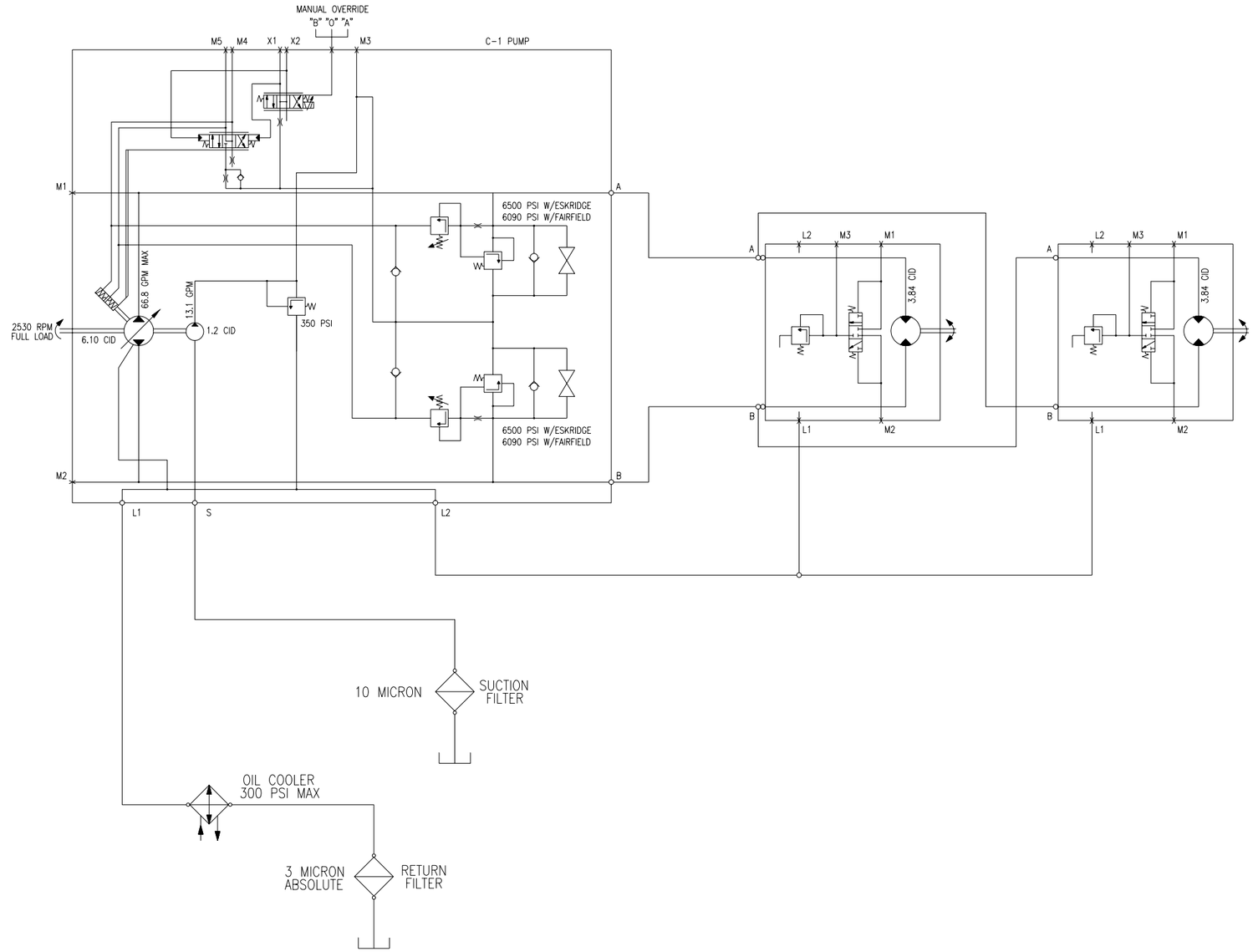
ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C	SHEET NO	FAB CODE	EFFECTIVE S/N
	2 of 6	615	680

DRAWN BY	CHECKED BY	DWG NO	REV.
HOUSTON		204722-01	0

SCALE	DATE
3/4	03/20/03



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

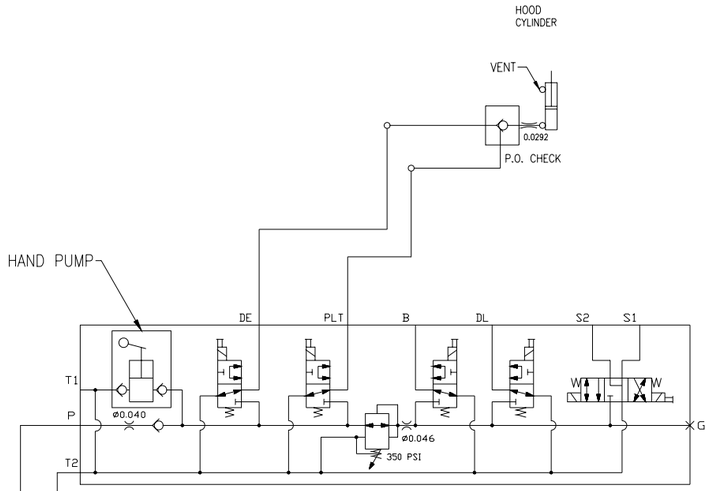
ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

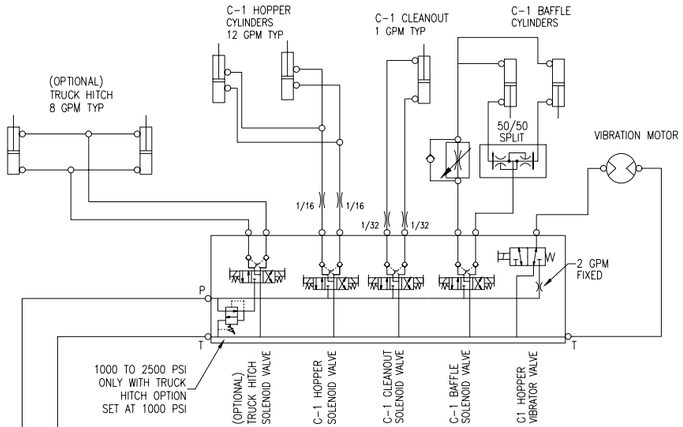
01 REQ'D PER 2500C | SHEET NO: 3 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 680

DRAWN BY: HOUSTON | CHECKED BY:

SCALE: 3/4 | DATE: 03/20/03 | DWG NO: 204722-01 | REV: 0

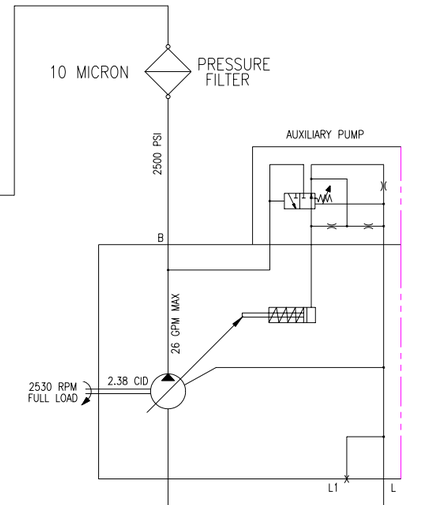


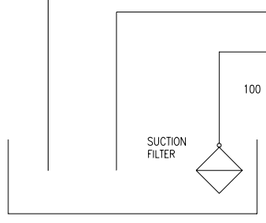
HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03



C1 HOPPER CONTROL
MANIFOLD PART NO.
146254-03

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





"A"

"B"

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

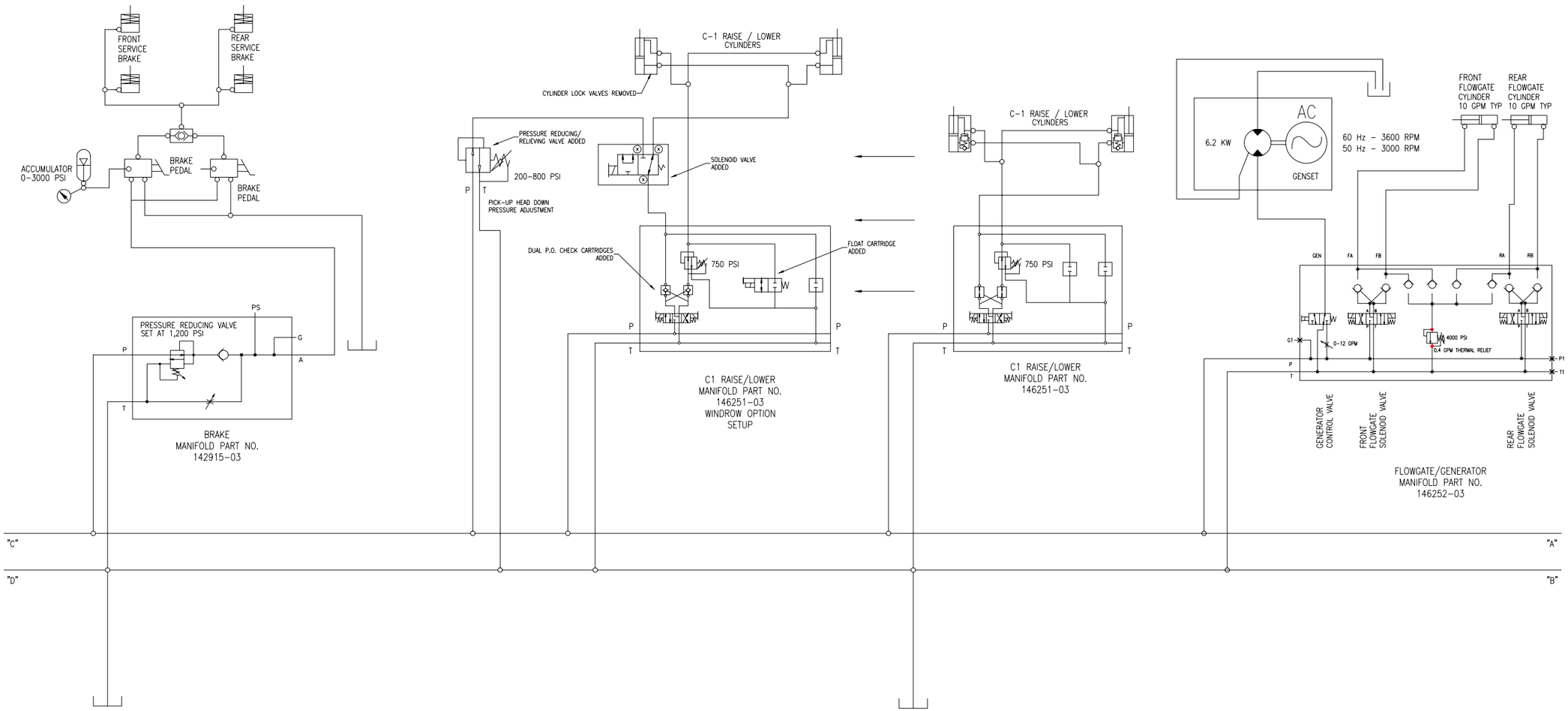
PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C | SHEET NO: 4 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 680

DRAWN BY: HOUSTON | CHECKED BY:

SCALE: 3/4 | DATE: 03/20/03

DWG NO: 204722-01 | REV: 0



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

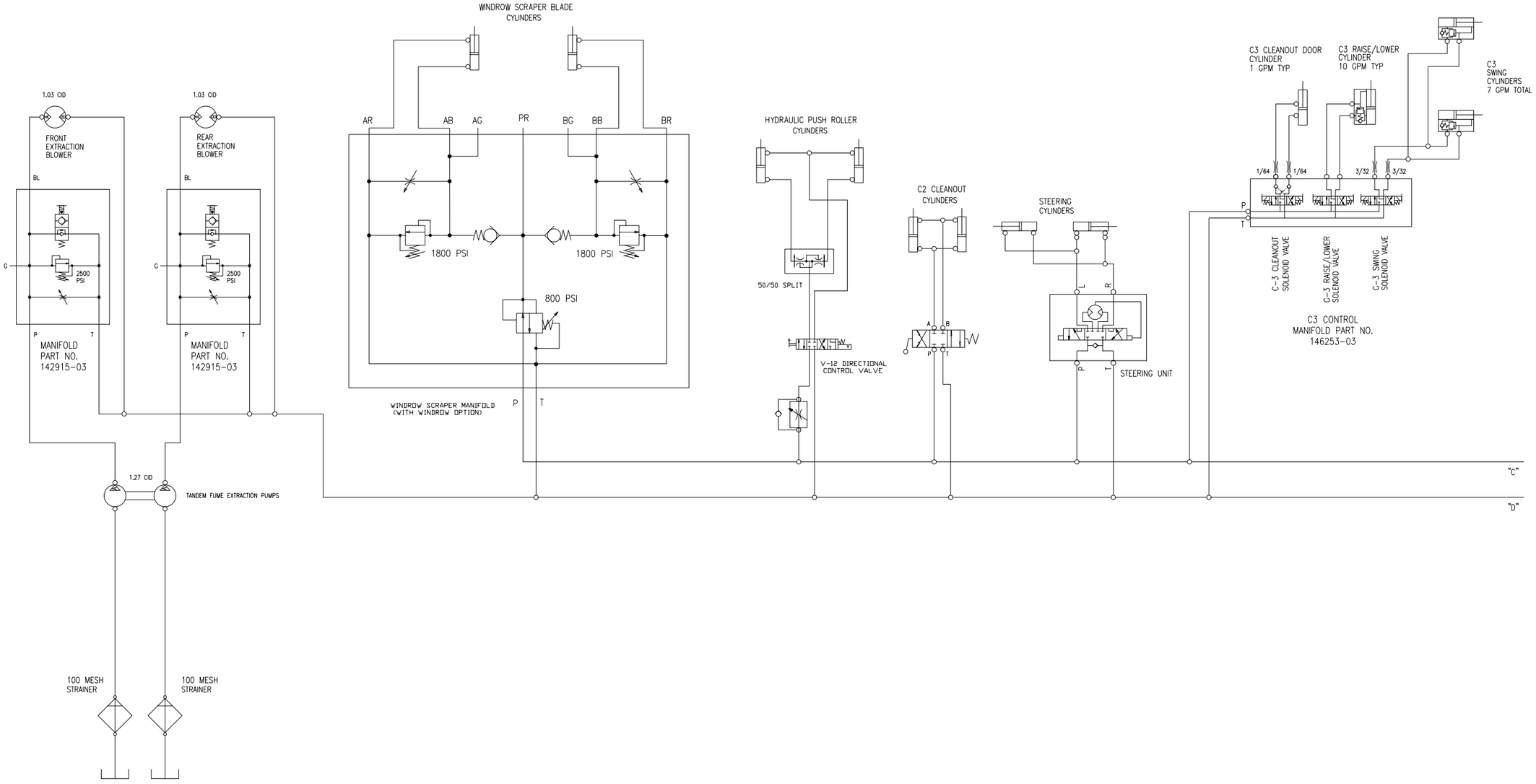
ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C | SHEET NO: 5 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 680

DRAWN BY: HOUSTON | CHECKED BY:

SCALE: 3/4 | DATE: 03/20/03 | DWG NO: 204722-01 | REV: 0



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'D. BY	APPR. BY

ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C	SHEET NO	FAB CODE	EFFECTIVE S/N
DRAWN BY: HOUSTON / CHECKED BY	6 of 6	615	680
SCALE: 3/4 / DATE: 03/20/03	DWG NO: 204722-01		REV: 0

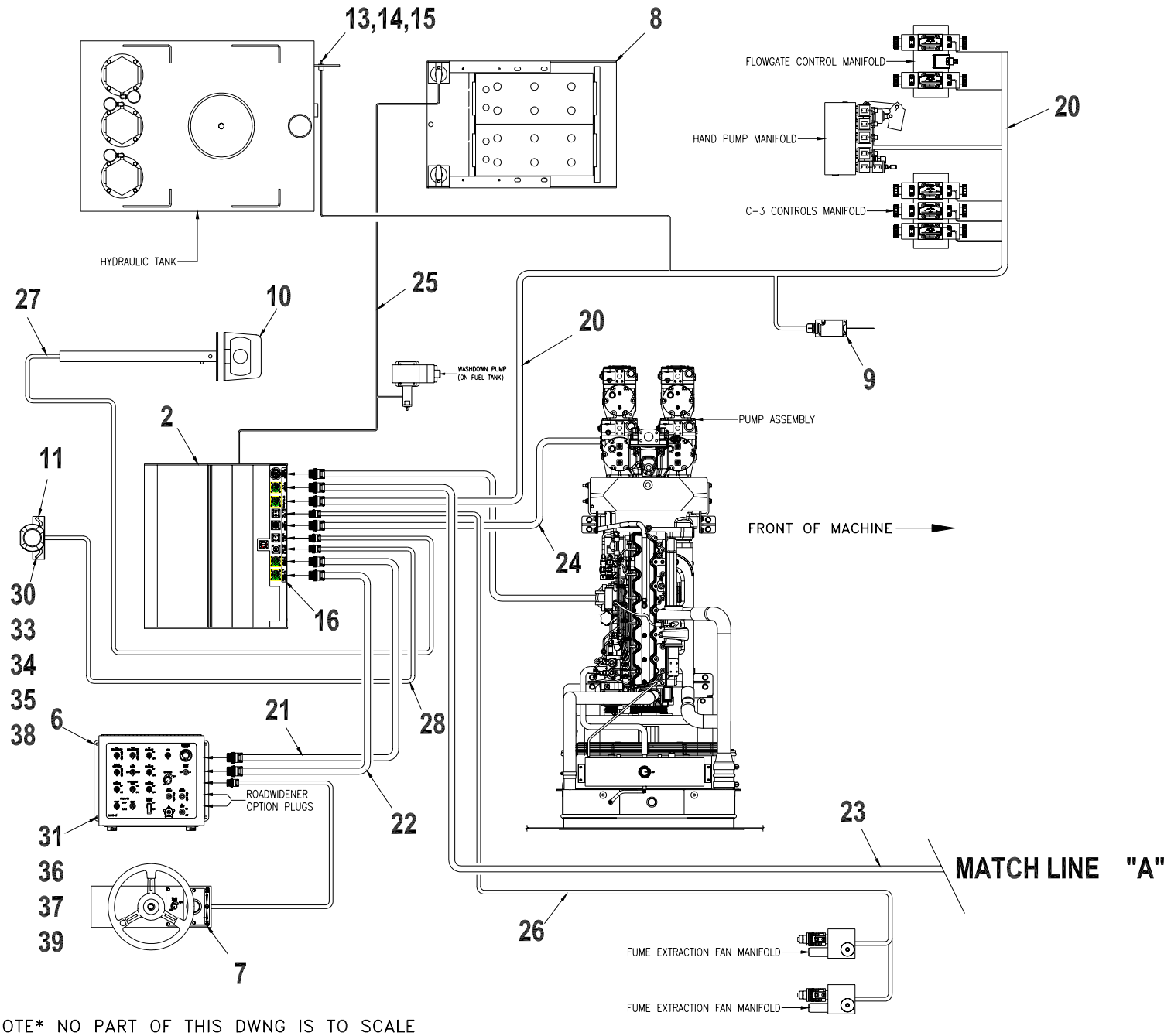
SECTION 5 : ELECTRICAL

ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL WIRING	203596-01	680 & UP	5.1
CENTER CONSOLE	203309-01		5.5
STEERING BOX	203541-01		5.9
L.H. C-1 CONTROL BOX	200818-01		5.13
R.H. C-1 CONTROL BOX	200817-01		5.17
OPERATOR DRIVE CONSOLE	200986-03		5.21
C-1 JUNCTION BOX	149631-02		5.23
C-1 JUNCTION BOX HARNESS	203485-01		5.25
ENGINE WIRE HARNESS	149636-01		5.27
60 AMP BREAKER HARNESS	146130-03		5.29
ALTERNATOR HARNESS	146132-03		5.30
STARTER HARNESS	146133-03		5.31
C-1 CNTL. BOX TO VALVE STACK HARNESS	142312-03		5.32
CROSSOVER HARNESS	142311-03		5.33
C-1 CNTL. BOX TO C-1 CONTROL BOX HARNESS	142310-03		5.34
FUEL VALVE HARNESS	146131-03		5.35
HARNESS - CABLE 4	203483-01		5.36
HARNESS - CABLE 4-1	203484-01		5.37
VALVE STACK HARNESS	203482-01		5.38
MAIN BREAKER & WASHDOWN HARNESS	203487-01		5.39
RADIATOR LIMIT SWITCH HARNESS	145333-01		5.40
PUMP HARNESS	203486-01		5.41
C-1 & C-2 FXS HARNESS	203488-02		5.42
BEACON HARNESS	203489-02		5.43
BRAKE PRESSURE & BACK-UP HARNESS	203490-02		5.44
BATTERY / ISO SWITCH	204281-03		5.45
THROTTLE STEERING BOX HARNESS	203761-03		5.47
SCHEMATIC	203522-01		

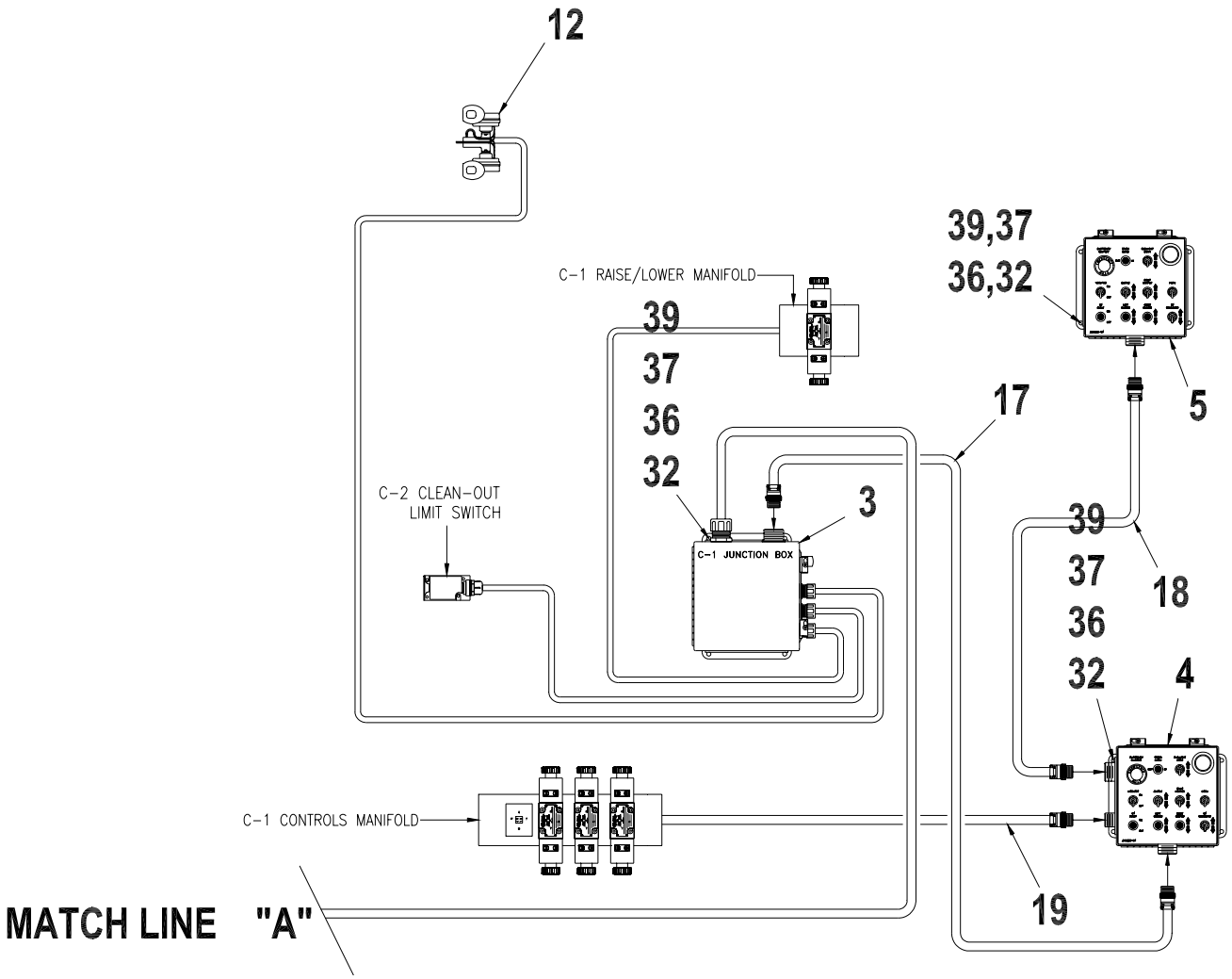
ROADTEC
an Astec company

SB-2500C ELECTRICAL ASSEMBLY.

(203596-01)



NOTE* NO PART OF THIS DWNG IS TO SCALE

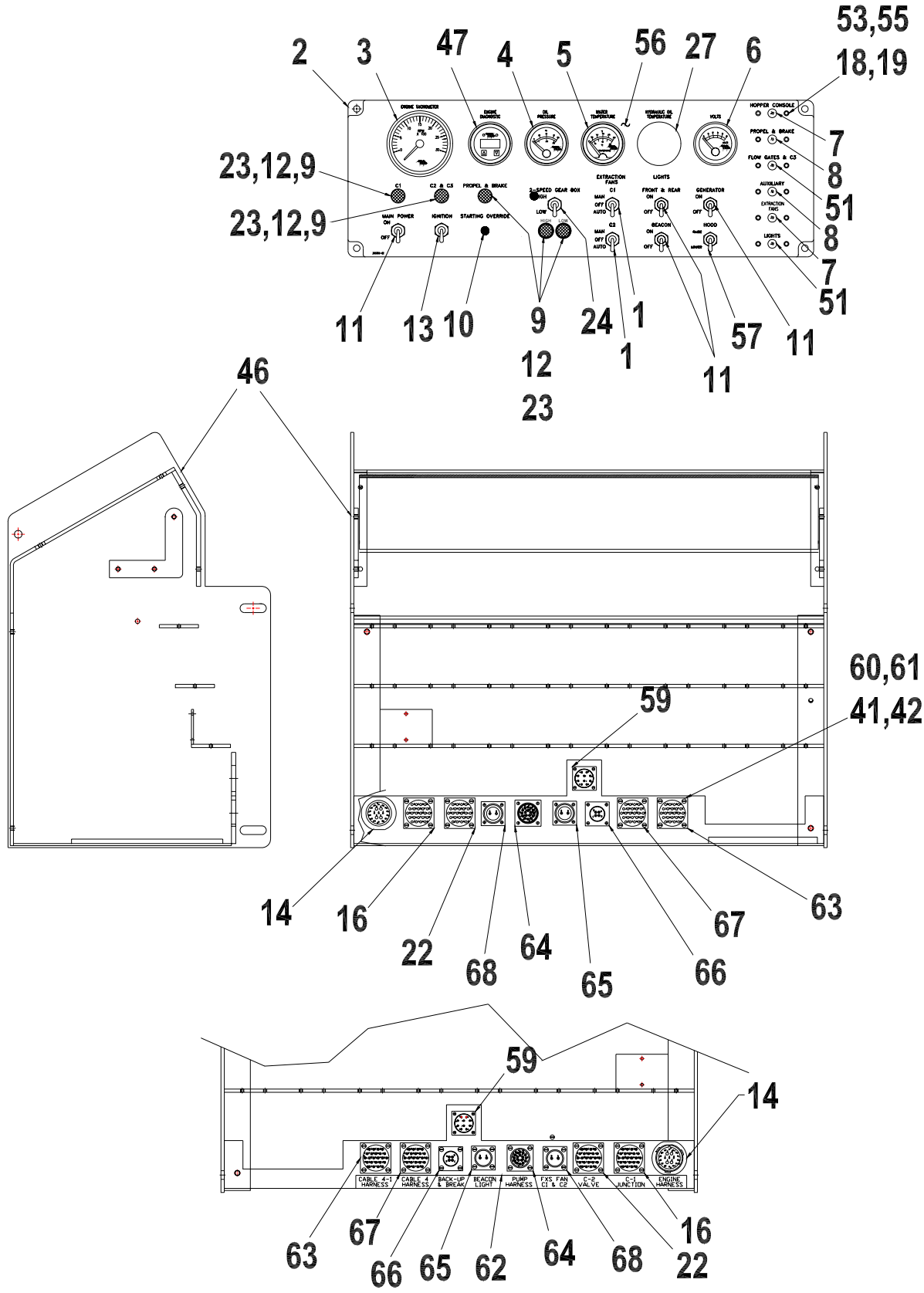

12
C-1 RAISE/LOWER MANIFOLD
39
37
36
32
39,37
36,32
5
17
C-2 CLEAN-OUT
LIMIT SWITCH
3
C-1 JUNCTION BOX
39
37
36
32
18
4
C-1 CONTROLS MANIFOLD
19
MATCH LINE "A"

ELECTRICAL ASSEMBLY
(203596-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203522-01	ELECTRICAL SCHEMATIC	1
2	203309-01	CENTER CONSOLE ELECTRICAL ASSEMBLY	1
3	149631-02	C1 JUNCTION BOX	1
4	200817-01	R.H. C-1 CONTROL BOX	1
5	200818-01	L.H. C-1 CONTROL BOX	1
6	203541-01	STEERING BOX ELECTRICAL ASSEMBLY	1
7	200986-03	OPERATORS DRIVE CONSOLE ELECTRICAL ASSEMBLY	1
8	204281-03	BATTERY/ISO SWITCH SUB-ASSY	1
9	145266-02	LIMIT SWITCH W/ WOBBLE-LEVEL	1
10	200758-03	12V BEACON SUB-ASSY	1
11	89077-04	REVERSING ALARM	1
12	97779-04	ALARM - HORN ELEC. TWIN-TONE 12 V.	1
13	136784-04	SWITCH - TOGGLE ON/OFF/ON DPDT	1
14	97490-C1	SWITCH COVER	1
15	144443-04	DECAL - C-3 CLEAN OUT DOOR	1
16	203413-03	DECAL - CENTER CONSOLE AMPHENOL PLUG	REF
17	142310-03	WIRE HARNESS - C1 JUNC. TO R.H. CNTL.BOX	1
18	142311-03	CROSS-OVER HARNESS (C1 CNTL. BOX)	1
19	142312-03	WIRE HARNESS - R.H. C-1 CONTROL BOX TO C-1 MANIFOLD	1
20	203482-01	WIRE HARNESS - CENTER CONSOLE TO MANIFOLD	1
21	203483-01	WIRE HARNESS - CABLE 4	1
22	203484-01	WIRE HARNESS - CABLE 4-1	1
23	203485-01	WIRE HARNESS - CENTER CONSOLE TO C-1 JUNCTION BOX	1
24	203486-01	WIRE HARNESS - CENTER CONSOLE TO PUMPS	1
25	203487-01	WIRE HARNESS - CENTER CONSOLE - BREAKERS/WASHDOWN	1
26	203488-01	WIRE HARNESS - CENTER CONSOLE TO FXS MANIFOLD	1
27	203489-02	WIRE HARNESS - CENTER CONSOLE TO 12V BEACON	1
28	203490-02	WIRE HARNESS - CENTER CONSOLE TO BRAKE & BACK-UP	1
29	141038	ELEC. TAPE 3/4" X 60 YD.	3
30	84332	BOLT, HEX 3/8 - 16 X 1"	2
31	89773	HEX BOLT - 1/4-20 X 3/4 GR8	4
32	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	12
33	139702-04	STAR WASHER - 3/8 OD	1
34	83757	FLAT WASHER 3/8" STEEL	4
35	83056	LOCKWASHER 3/8" SPRING STEEL	2
36	84444	FLAT WASHER - 1/4 STEEL	20
37	83065	LOCKWASHER 1/4" SPRING STEEL	12
38	83055	NUT, HEX 3/8 - 16 GD. 8	2
39	89772	NUT, HEX 1/4 - 20 GD. 8	4
40	83657-04	WIRE TIE - 3/16" X 7" NYLON	300
41	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	200
42	83905-04	WIRE TIES - 1/4" X 14" NYLON	200

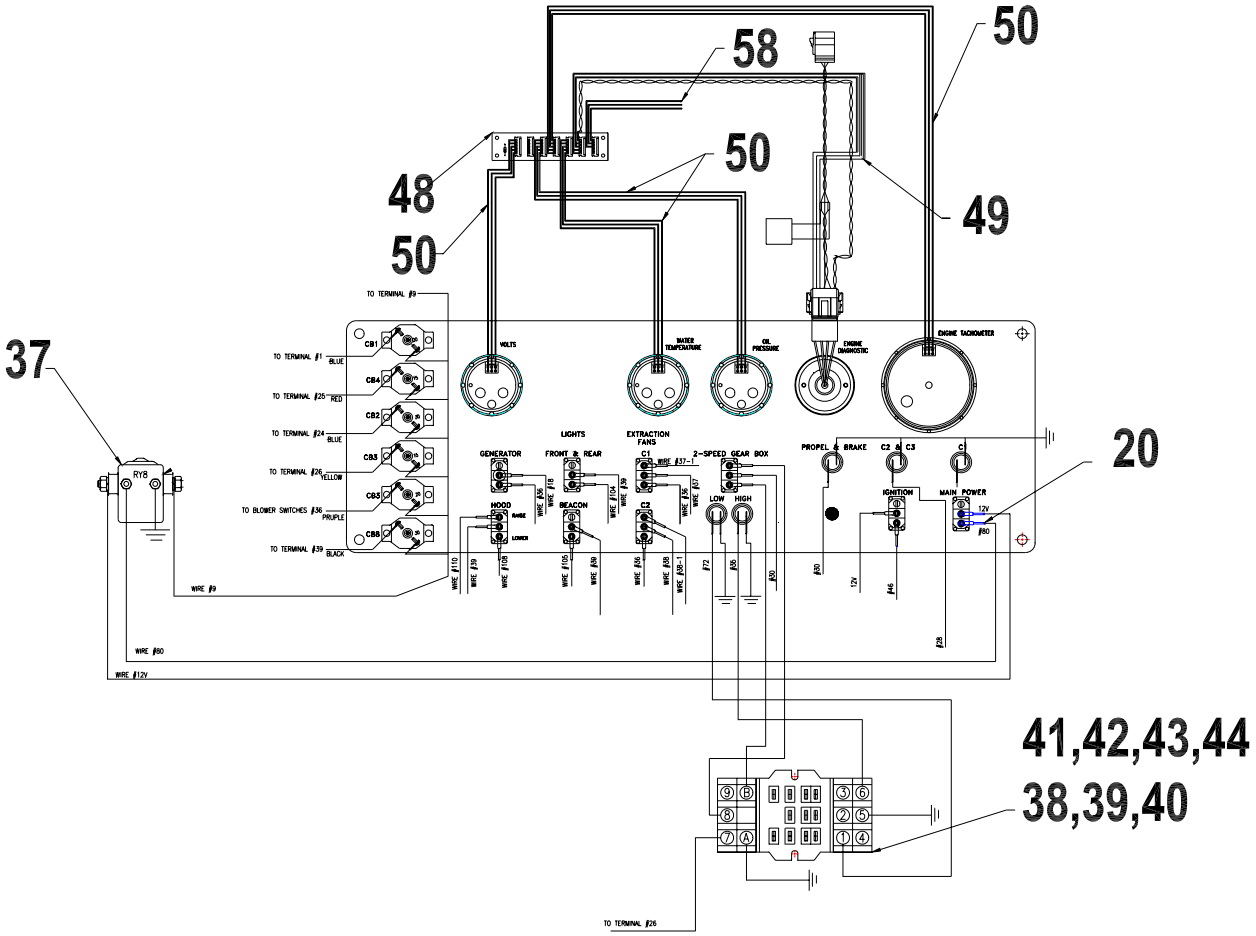
CENTER CONSOLE ELECTRICAL ASSEMBLY.

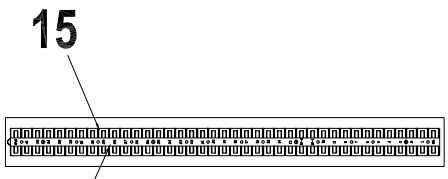
(203309-01)



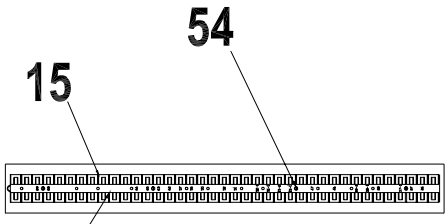
CENTER CONSOLE ELECTRICAL ASSEMBLY.

(203309-01)

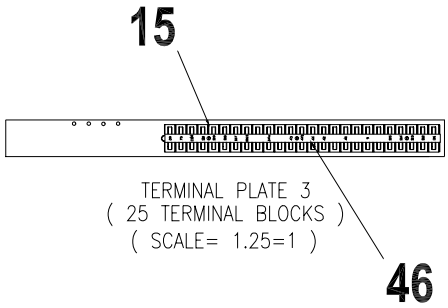




TERMINAL PLATE 1
(39 TERMINAL BLOCKS)



TERMINAL PLATE 2
(39 TERMINAL BLOCKS)
(SCALE= 1.25=1)



TERMINAL PLATE 3
(25 TERMINAL BLOCKS)
(SCALE= 1.25=1)

CENTER CONSOLE ELECTRICAL ASSEMBLY
(203309-01)

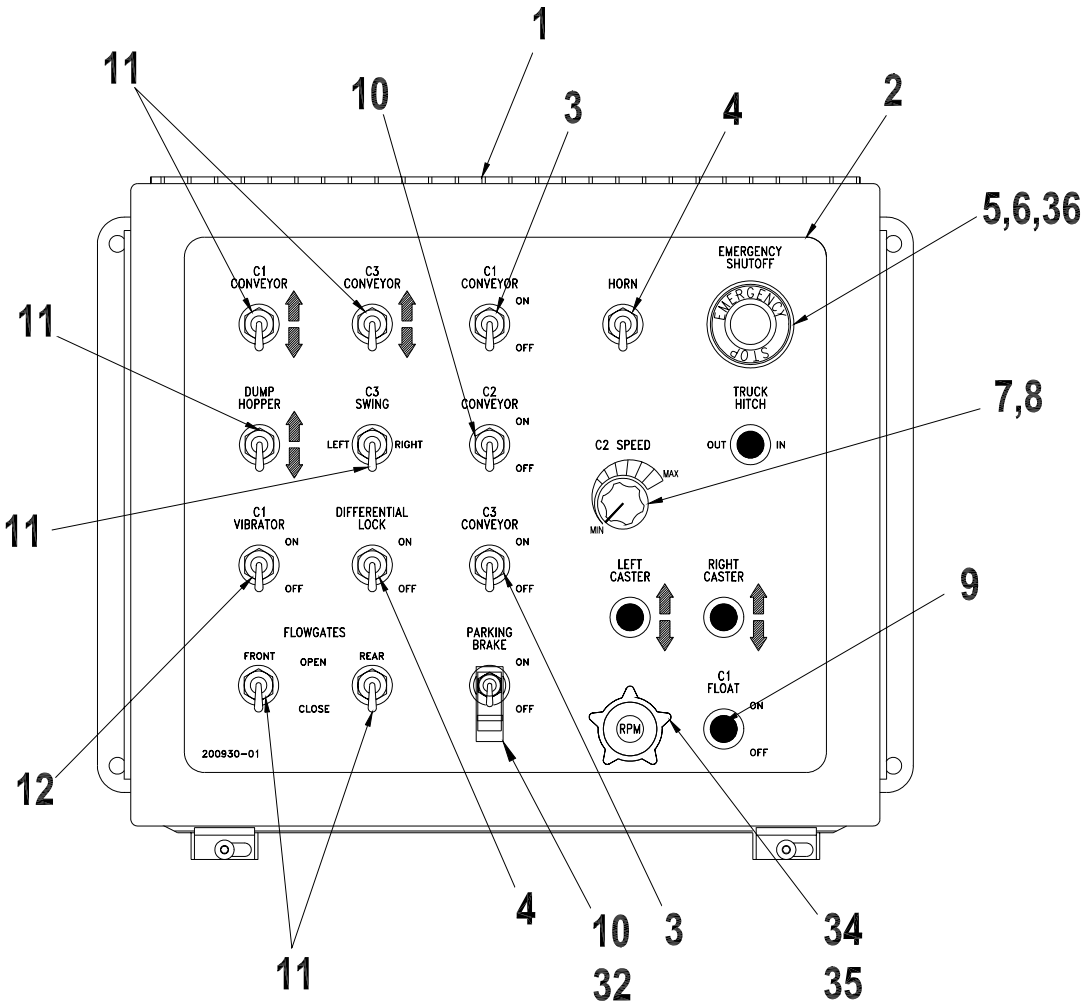
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	20P56	TOGGLE SWITCH	2
2	203307-03	CENTER CONSOLE COMPONENT PLATE	1
3	201431-04	GAUGE - TACH.	1
4	201432-04	GAUGE - PRESSURE	1
5	201433-04	GAUGE - TEMP.	1
6	203137-04	GAUGE - VOLTS	1
7	90089	CIRCUIT BREAKER 20 AMP	2
8	13A04	CIRCUIT BREAKER 15 AMP	2
9	80446-04	LIGHT - RED JEWEL LENS	5
10	97944-04	HOLE PLUG 1/2"	4
11	13E68	TOGGLE SWITCH	4
12	128180	LIGHT - BULB 12 V. 127SB5	5
13	97542	TOGGLE SWITCH ON / OFF SP-ST-SR	1
14	203406-02	WIRE HARNESS ENGINE - 21 PIN DEUTSCH	1
15	13C69	TERMINAL BLOCK	103
16	203384-03	WIRE HARNESS - 24 PIN - J1 JUNCTION BOX	1
17	83856-04	WIRE TIE - 3/16" X 4" NYLON	57
18	92552	FLAT WASHER # 10	12
19	90103	LOCKWASHER # 10	12
20	93253	WIRE - TERM. RING # 16 GA. (NOT SHOWN)	20
21	90554	WIRE - RING TERMINAL # 10	20
22	203385-03	WIRE HARNESS - 24 PIN - C2 VALVE STACK	1
23	80449-04	LIGHT - SOCKET	5
24	139471	TOGGLE SWITCH	1
25	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	43
26	83657-04	WIRE TIE - 3/16" X 7" NYLON	12
27	203122-04	HOLE PLUG	1
28	28Y52	TERMINAL - FEM. NON-INSUL. .250	30
29	98986	WIRE - # 8 TERM. # 10 POST (NOT SHOWN)	3
30	121538	WIRE - INSUL. FEM. CONN. (NOT SHOWN)	2
31	90553	WIRE - RING TERMINAL 1/4	2
32	93988	STUD - 10 AWG 5/16 (NOT SHOWN)	3
33	128219	WIRE - RING TERMINAL	4
34	97735	WIRE - FEM. INSUL. SPADE TERMINAL	6
35	121539	MALE CONNECTOR (NOT SHOWN)	3
36	98319	WIRE - FEM. SPADE TERMINAL	10
37	135727-04	POWER RELAY 12 VDC 65 AMP	1
38	96776X	RELAY - LATCHING DPDT	1
39	96777	RELAY - BASE	1
40	96777-C1	CLIP KIT	1
41	O6996	SCREW - M3 - 0.5 X 20	40
42	O4762	NUT - M3 - 0.5	40
43	O1290	SCREW, SLOT HD. M4 X 10 X 84 mm	2
44	45092	NUT, LOCK VM4-0.7 / 890 BN 169	2
45	97976	ADHESIVE MOUNT	46
46	145671-02	DATA PLATE KIT - TERMINAL ID STRIPS	1
47	201430-04	GAUGE - DISPLAY & DIAGNOSTIC	1
48	201437-04	CONNECTOR HEADER ASSEMBLY	1
49	201436-04	MDDM CONNECTOR HARNESS 25"	1
50	201435-04	CONNECTOR HARNESS 25" M LINK	4

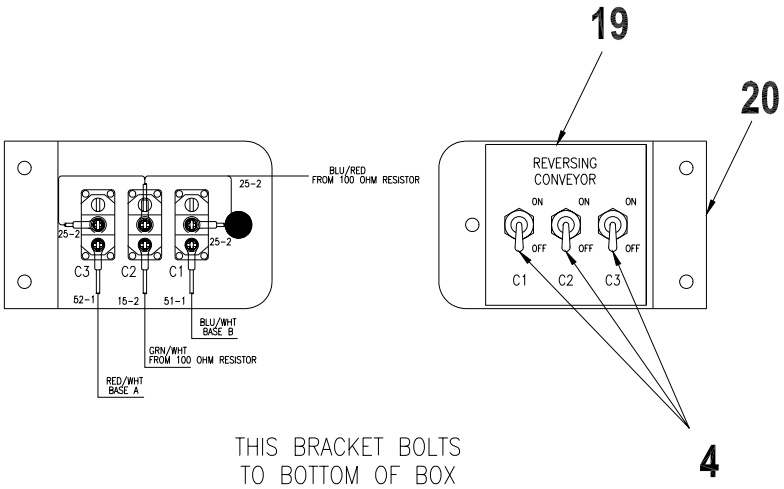
CENTER CONSOLE ELECTRICAL ASSEMBLY
(203309-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	92523-04	CIRCUIT BREAKER 30 AMP	2
52	138601-03	DECAL - ALUM. NO. STICKERS	1
53	90102	NUT, HEX 10 - 32	12
54	135807-04	SCREW 10 - 23 X 1"	12
55	90101	SCREW 10 - 23 X 3/4"	12
56	203308-02	DECAL - CENTER CONSOLE	1
57	139471	TOGGLE SWITCH SP-DT-SR	1
58	203139-04	HARNESS - 12V POWER SUPPLY	1
59	202638-02	WIRE HARNESS - 10 PIN BASE REMOTE START	1
60	92554	FLAT WASHER - #6	36
61	131551	LOCKWASHER - #6	36
62	203413-03	DECAL - AMPHENOL PLUG CENTER CONSOLE	1
63	203387-03	WIRE HARNESS - 24 PIN - CABLE 4-1	1
64	203388-03	WIRE HARNESS - 17 PIN - PUMPS	1
65	203392-03	WIRE HARNESS - 2 PIN - BEACON LIGHT	1
66	203389-03	WIRE HARNESS - 4 PIN - BACK-UP & BRAKE	1
67	203386-03	WIRE HARNESS - 24 PIN - CABLE 4	1
68	203391-03	WIRE HARNESS - 2 PIN - C1 & C2 FSX FAN	1
69	O1073	HEX BOLT - M6-1 X 70 (FOR ECM)	4
70	O1620	FLAT WASHER - 6 MM (FOR ECM)	4
71	96476	HEX BOLT - 3/8-16 X 1 1/4 (FOR ECM)	3
72	83757	FLAT WASHER - 3/8 (FOR ECM)	3
73	83065	LOCKWASHER - 3/8 (FOR ECM)	3
74	205336-04	HARNESS- LIGHT 4-PIN PACKARD	1
75	205337-04	HARNESS- LIGHT 2-PIN PACKARD	1

STEERING BOX ELECTRICAL ASSEMBLY.

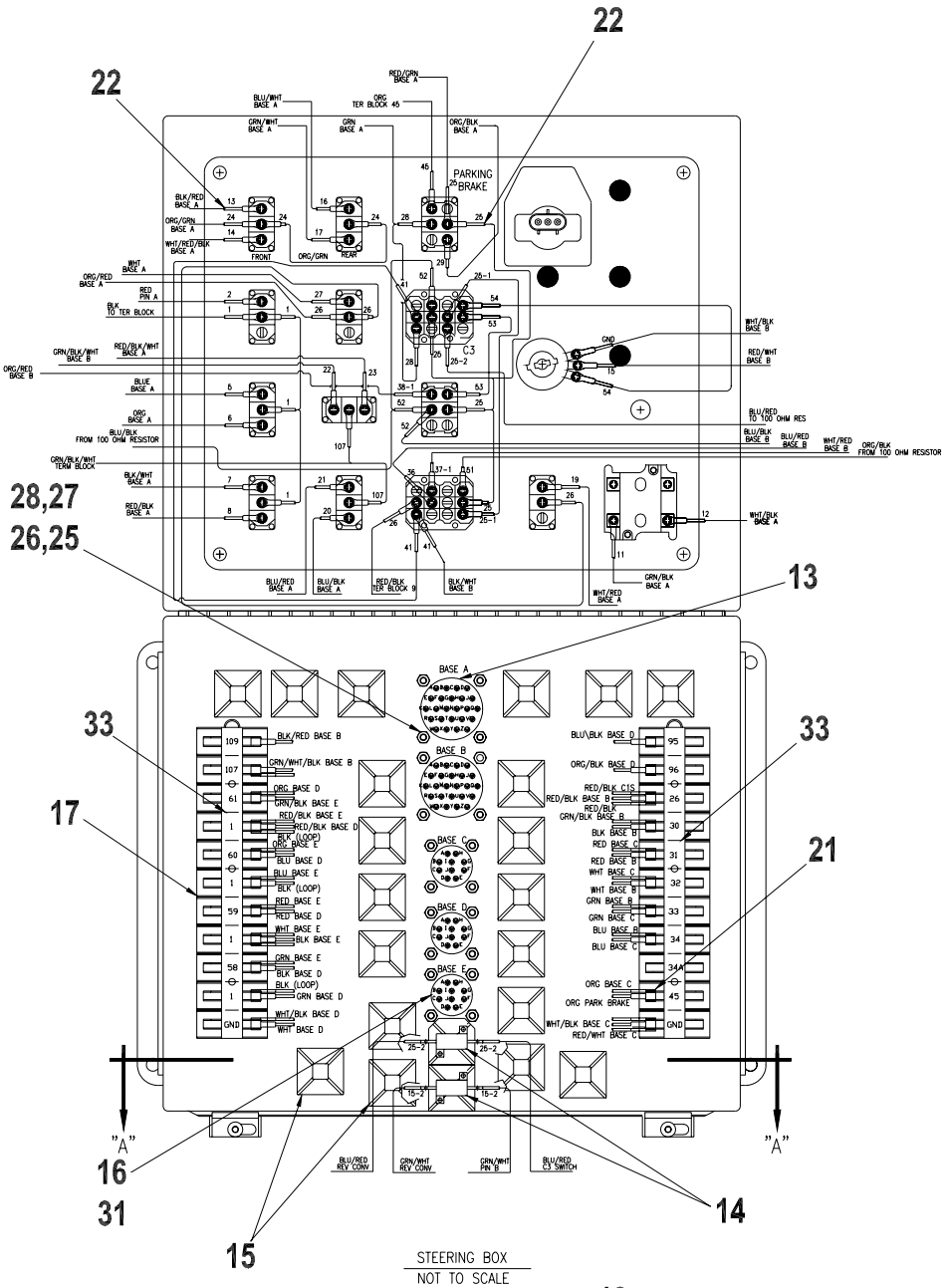
(203541-01)



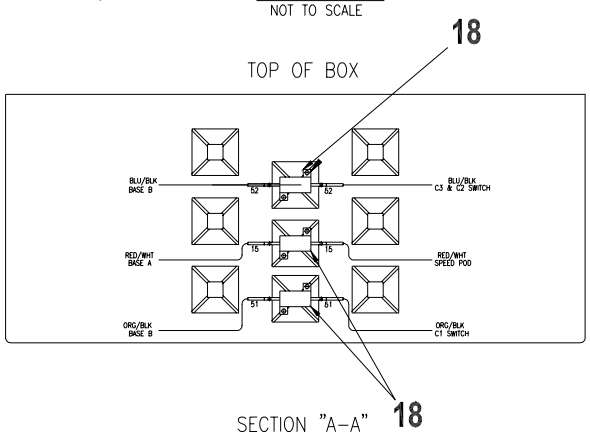


STEERING BOX ELECTRICAL ASSEMBLY.

(203541-01)



STEERING BOX
NOT TO SCALE



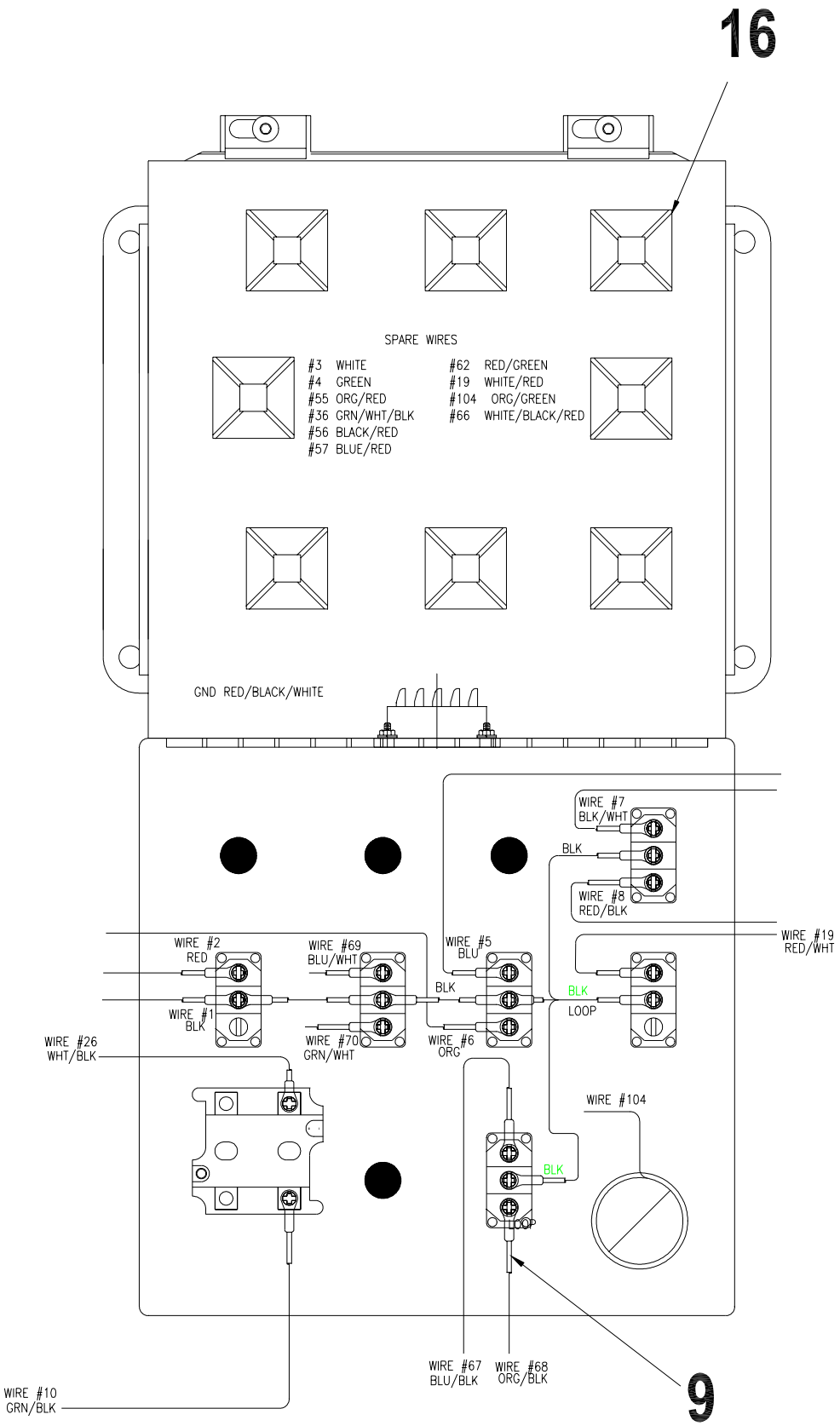
SECTION "A-A"

STEERING BOX ELECTRICAL ASSEMBLY
(203541-01)

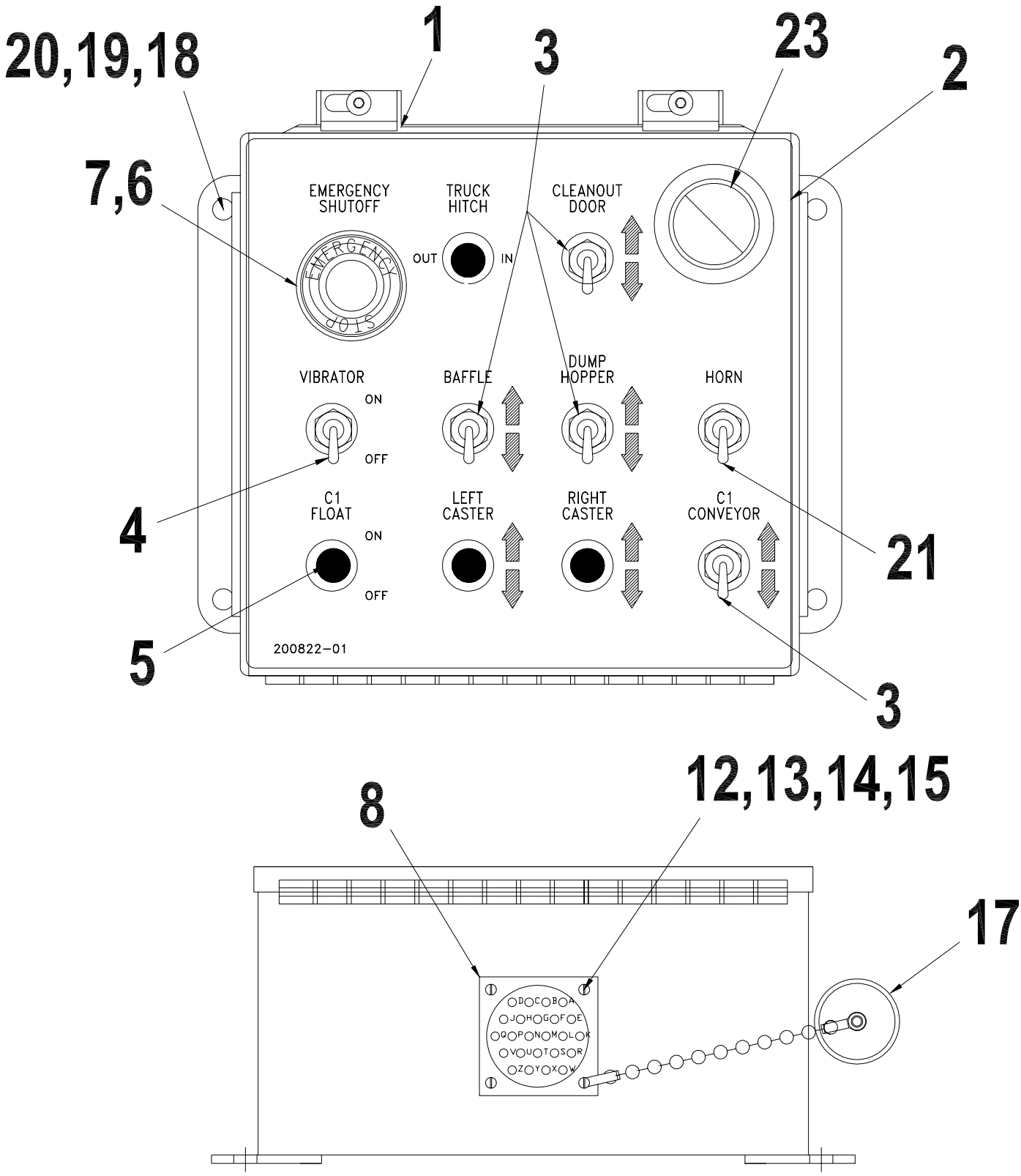
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	141526-01	STEERING CONTROL BOX	1
2	200930-01	DATA PLATE - STEERING CONTROL BOX	1
3	20Z53	SELECTOR SWITCH	2
4	97542	SWITCH - ON/OFF TOGGLE SP-ST-SR	5
5	93251-04	EMERGENCY STOP SWITCH	1
6	93250-04	EMERGENCY STOP CONTACT BLOCK	1
7	130406	ROTARY POT. 25 WATT/ 100 OHM	1
8	120276-C1	ROTARY POT KNOB (1.4" SHAFT)	1
9	97944-04	HOLE PLUG 1/2	4
10	97678	SWITCH - TOGGLE 2 DPDT	2
11	139471	TOGGLE SWITCH	6
12	13E68	TOGGLE SWITCH	1
13	86448-04	ELEC - 24 PIN RECEPTACLE	2
14	97621	ELEC - RESISTOR 100 OHMS 10 WATT	2
15	97976	ADHESIVE MOUNT	40
16	80411-04	ELEC - 10 PIN RECEPTACLE = 2 PIECES	3
17	13C69	ELEC - TERMINAL BLOCK	22
18	120275	RESISTOR - 75 OHM 10 WATT	3
19	127431-04	DATA PLATE - REVERSING CONVEYOR	1
20	121388-02	BRACKET - OPERATOR'S ENCLOSURE	1
21	28Y52	ELEC - TERMINAL FEMALE NON-INSUL .250	40
22	93253	WIRE - RING TERMINAL 16 GA.	61
23	83856-04	WIRE TIE - 3/16" X 4" NYLON	48
24	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	44
25	O6996	SLOT HD. SCREW - M3-0.5 X 20 5.8 84	20
26	O4762	HEX NUT - M3-0.5 GR8 934	20
27	92554	FLAT WASHER - #6	40
28	131551	LOCKWASHER - #6	20
29	121396	WIRE - FEMALE CONNECTOR	10
30	93988	WIRE - TERMINAL 5/16 RING	1
31	80419-04	10 PIN CAP	2
32	97490-C1	SWITCH COVER	1
33	149634-03	DATA PLATE - TERMINAL ID STRIP	1
34	149115-C1	ANALOG THROTTLE	1
35	203671-03	WIRE HARNESS - THROTTLE STEERING BOX	1
36	93251-04-C3	EMERGENCY STOP BUTTON	1

L.H. C-1 CONTROL BOX ASSEMBLY.

(200818-01)

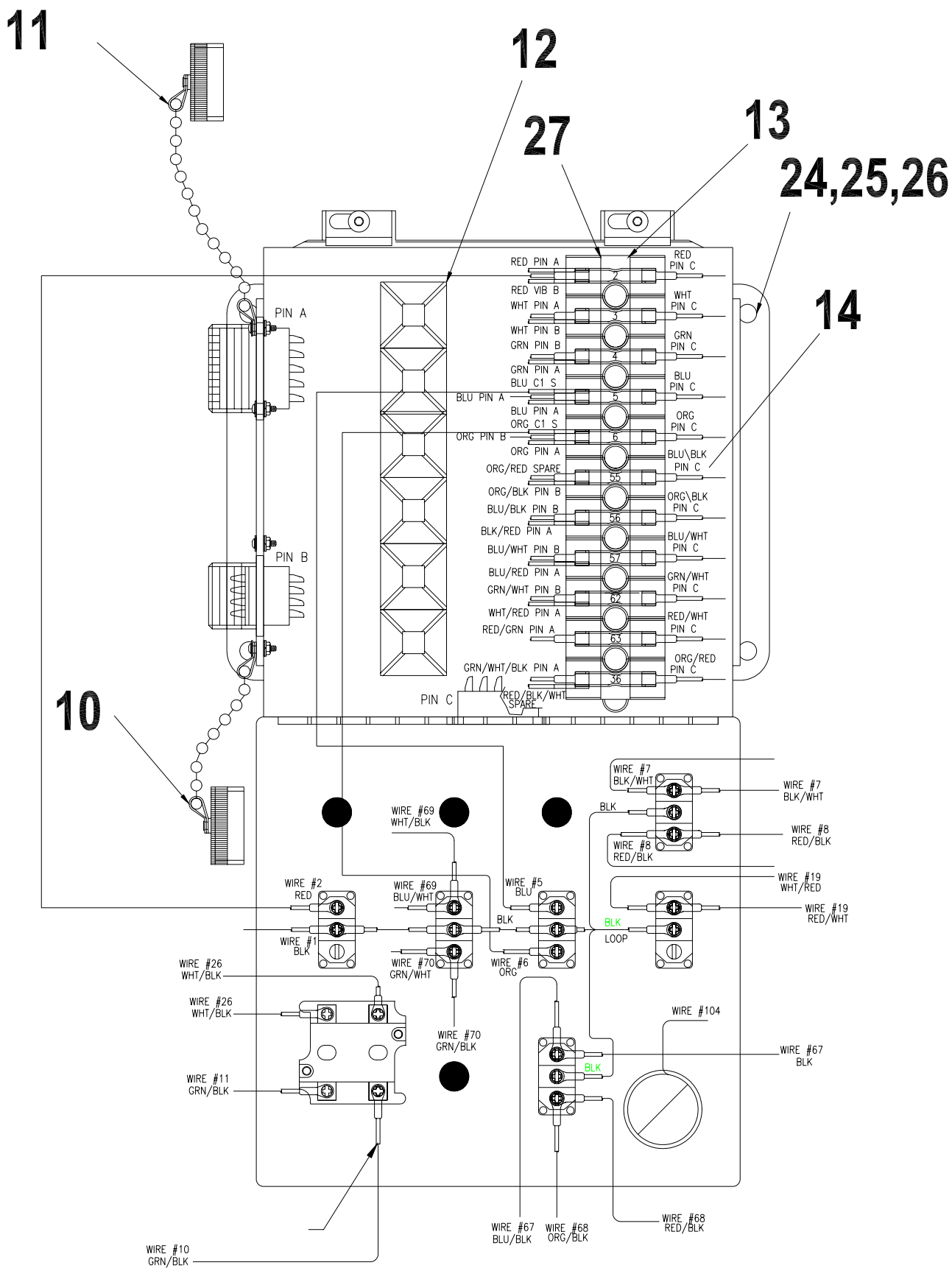


L.H. C-1 CONTROL BOX ASSEMBLY.
(200818-01)



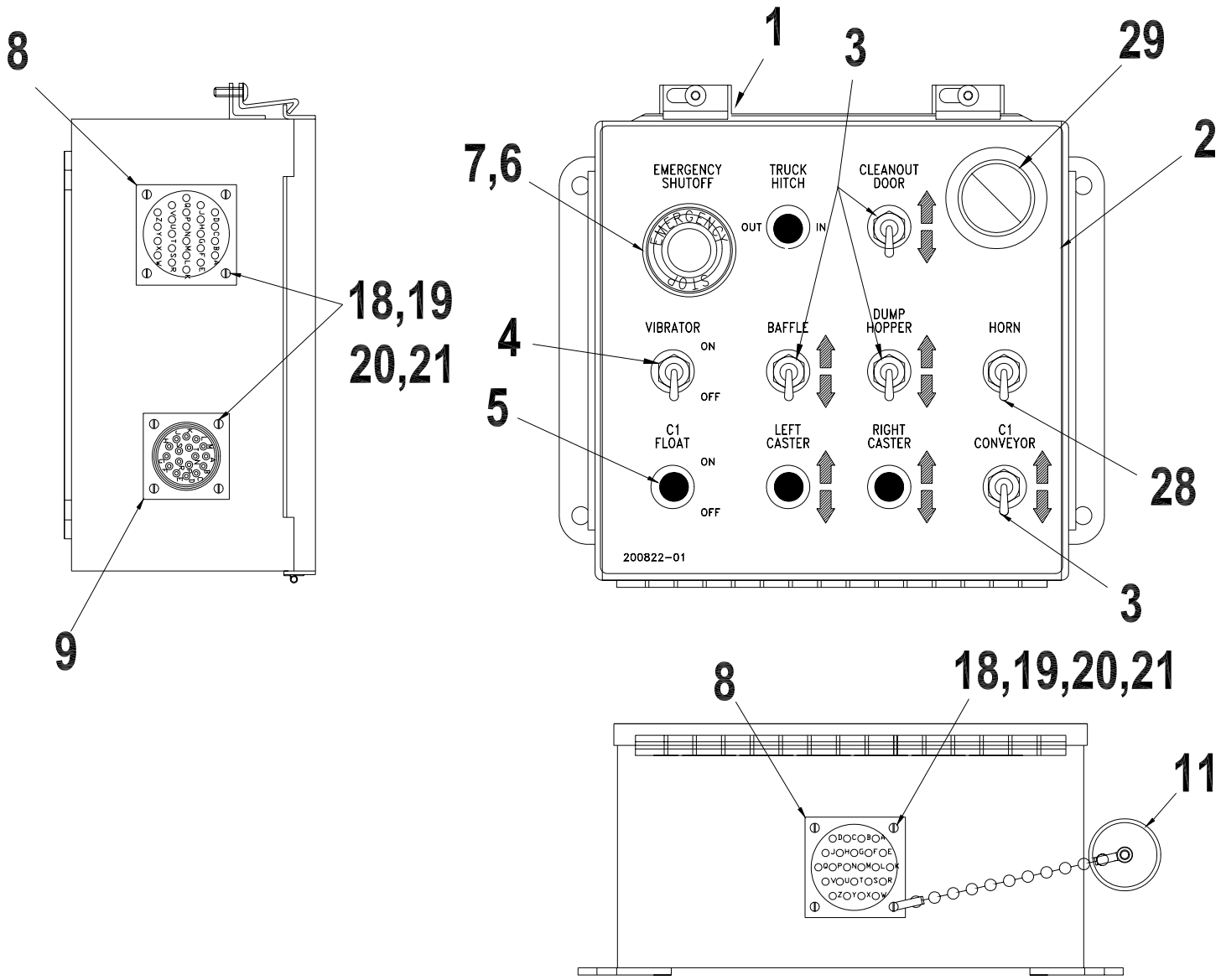
L.H. C-1 CONTROL BOX ASSEMBLY
(200818-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200828-01	L.H. 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	97944-04	HOLE PLUG 1/2"	4
6	93251-04	SWITCH - EMERGENCY STOP	1
7	93250-04	EMERGENCY STOP CONTACT BLOCK	1
8	86448-04	24 PIN RECEPTACLE	1
9	93253	16 GA. TERMINAL RING (NOT SHOWN)	19
10	83856-04	WIRE TIE - 3/16" X 4" NYLON	16
11	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	20
12	O6996	SCREW, SLOT HD. M3 - 0.5 X 20 5.8 84	4
13	O4762	NUT, HEX M3 - 0.5 GD. 8 934	4
14	92554	FLAT WASHER # 6	8
15	131551	LOCKWASHER #6	4
16	97976	ADHESIVE MOUNT	12
17	86449-04	24 PIN CAP	1
18	89988-04	BOLT, HEX 1/4 - 20 X 3/4'	4
19	84444	FLAT WASHER 1/4"	4
20	83065	LOCKWASHER 1/4"	4
21	97542	TOGGLE SWITCH	1
22	86624-03	WIRE - 25 CONDUCTOR 16 AWG	36"
23	143317-04	DOME LIGHT	1


11
12
27
13
24,25,26
14
10
PIN A
PIN B
PIN C
RED PIN A
RED VIB B
WHT PIN A
WHT PIN B
GRN PIN B
GRN PIN A
BLU C1 S
BLU PIN A
BLU PIN A
ORG C1 S
ORG PIN B
ORG PIN A
ORG/RED SPARE
ORG/BLK PIN B
BLU/BLK PIN B
BLK/RED PIN A
BLU/WHT PIN B
BLU/RED PIN A
GRN/WHT PIN B
WHT/RED PIN A
RED/GRN PIN A
GRN/WHT/BLK PIN A
RED/BLK/WHT SPARE
RED PIN C
WHT PIN C
GRN PIN C
BLU PIN C
ORG PIN C
BLU\BLK PIN C
ORG\BLK PIN C
BLU/WHT PIN C
GRN/WHT PIN C
RED/WHT PIN C
ORG/RED PIN C
WIRE #7 BLK/WHT
WIRE #8 RED/BLK
WIRE #19 WHT/RED
WIRE #19 RED/WHT
WIRE #69 WHT/BLK
WIRE #2 RED
WIRE #1 BLK
WIRE #69 BLU/WHT
WIRE #70 GRN/WHT
WIRE #5 BLU
BLK
LOOP
WIRE #6 ORG
WIRE #26 WHT/BLK
WIRE #26 WHT/BLK
WIRE #11 GRN/BLK
WIRE #70 GRN/BLK
WIRE #104
WIRE #67 BLK
WIRE #10 GRN/BLK
WIRE #67 BLU/BLK
WIRE #68 ORG/BLK
WIRE #68 RED/BLK

R.H. C-1 CONTROL BOX ASSEMBLY.

(200817-01)

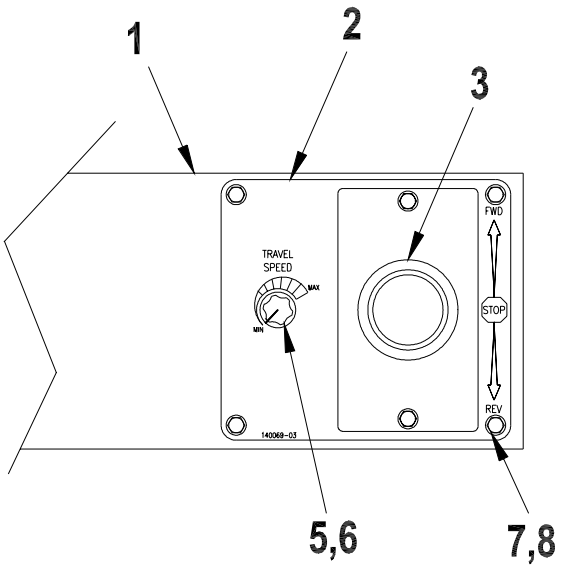


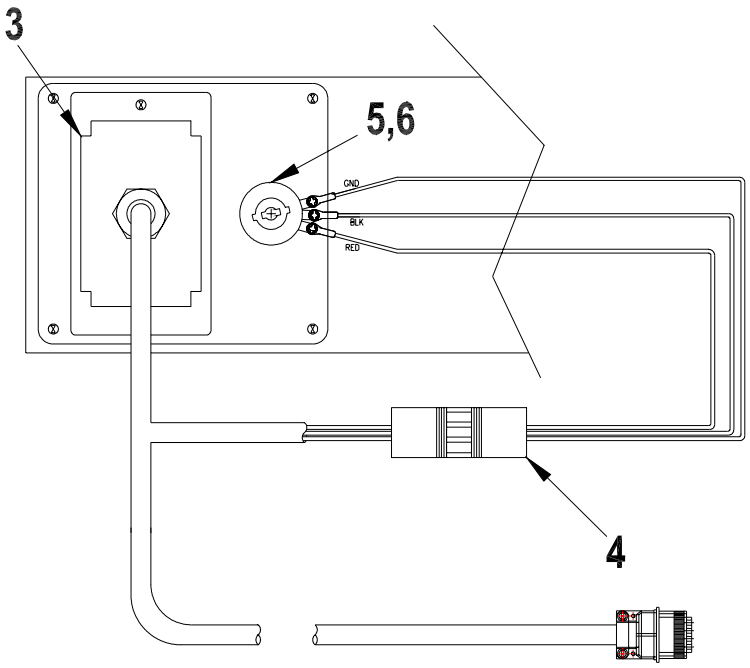
R.H. C-1 CONTROL BOX ASSEMBLY
(200817-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200829-01	R.H. 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	97944-04	HOLE PLUG 1/2"	4
6	93251-04	SWITCH - EMERGENCY STOP	1
7	93250-04	EMERGENCY STOP CONTACT BLOCK	1
8	86448-04	24 PIN RECEPTACLE	2
9	80417-04	17 RECEPTACLE	1
10	80421-04	7 PIN RECEPTACLE CAP	1
11	86449-04	24 PIN CAP	2
12	97976	ADHESIVE MOUNT	12
13	13C69	TERMINAL BLOCK	11
14	28Y52	TERMINAL - FEM. NON-INSUL. .250	35
15	93253	16 GA. TERMINAL RING	28
16	83856-04	WIRE TIE - 3/16" X 4" NYLON	40
17	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	15
18	O6996	SCREW, SLOT HD. M3-0.5 X 20 5.8 84	12
19	O4762	NUT, HEX M3 - 0.5 GD. 8 934	12
20	92554	FLAT WASHER # 6	24
21	131551	LOCKWASHER # 6	12
22	38Z57	TERMINAL - FEM. INSUL. SPADE	4
23	97735	TERMINAL - M. INSUL. SPADE	4
24	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	4
25	84444	FLAT WASHER 1/4"	4
26	83065	LOCKWASHER 1/4"	4
27	149628-04	DATA PLATE - TERMINAL STRIP	1
28	97542	TOGGLE SWITCH	1
29	143317-04	DOME LIGHT	1
30	86624-04	WIRE - 25 CONDUCTOR 16 AWG	72"
31	84320-04	WIRE - 19 CONDUCTOR 16 AWG	36"

OPERATOR'S DRIVE CONSOLE ELECTRICAL ASSY.

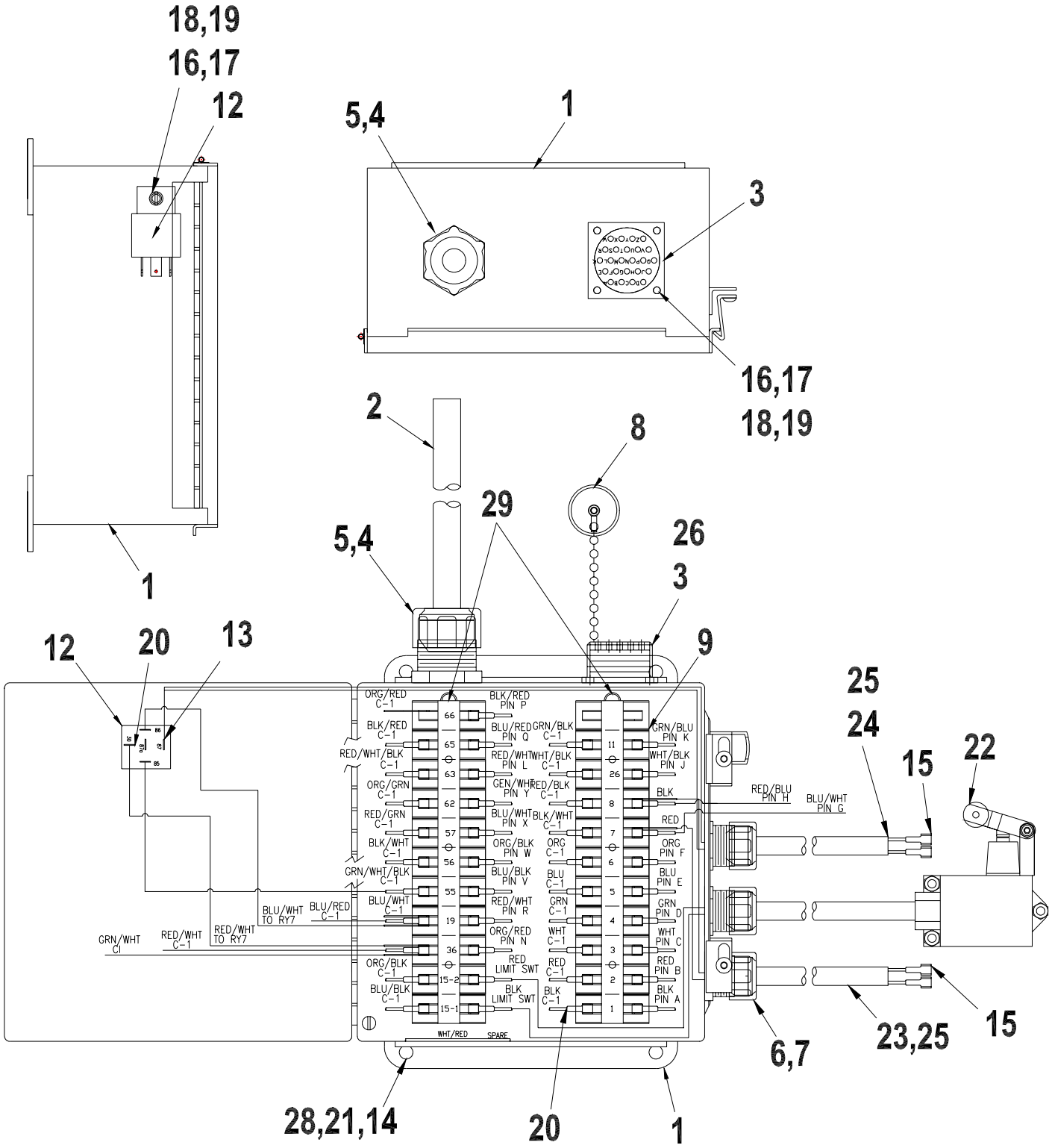
(200986-03)





REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	140071-01	OPERATOR'S MAIN CONSOLE	REF
2	200985-03	OPERATOR'S DRIVE CONSOLE BOX DECAL	1
3	145396-03	JOYSTICK AND WIRE HARNESS ASSEMBLY	1
4	93843-03-C3	KIT, 3 PIN PLUG	1
5	130406	ROTARY POT 25 WATTS/ 100 OHM	1
6	120276-C1	ROTARY POT KNOB	1
7	133842	HEX / SELF-DRILLING, 1/4 - 20 X 3/4	6
8	84444	FLAT WASHER, 1/4" STEEL	6

C-1 JUNCTION BOX ASSEMBLY
(149631-02)

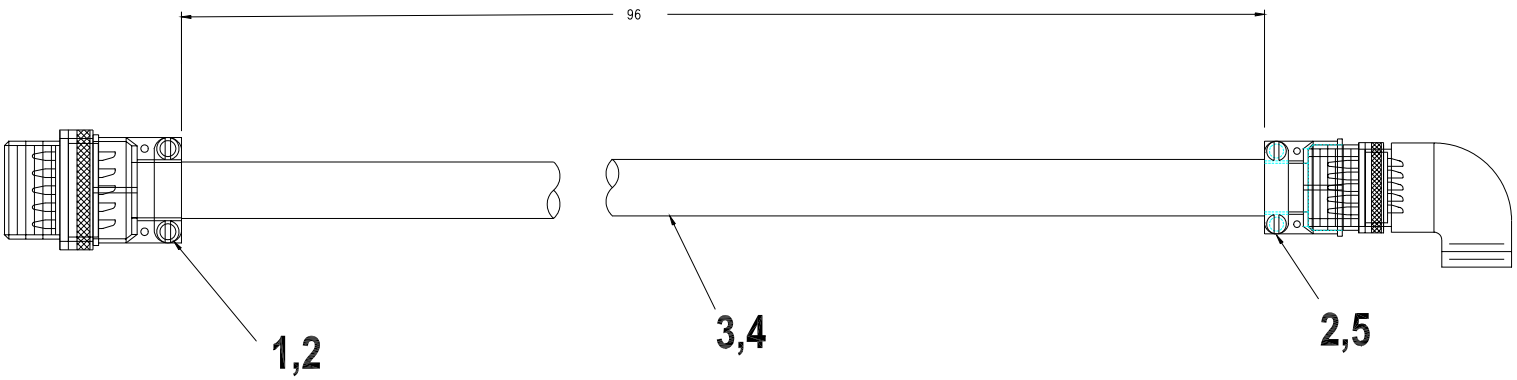


C-1JUNCTION BOX ASSEMBLY
(149631-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142650-03	C-1 JUNCTION BOX	1
2	141156-01	C-1 JUNCTION BOX WIRE HARNESS	
3	86448-04	ELEC - 24 PIN RECEPTACLE	1
4	87222-04	ELEC - CGB CONNECTOR 7/8"	1
5	87240-04	ELEC - 7/8" CONDUIT LOCK NUT	1
6	80645-04	ELEC - CGB 193 CONNECTOR 1/2"	3
7	80643-04	NUT - 1/2" CONDUIT LOCKING	3
8	86449-04	ELEC - 24 PIN RECEPTACLE CAP	1
9	13C69	ELEC - TERMINAL BLOCK	22
10	97976	ADHESIVE MOUNT (NOT SHOWN)	11
11	83657-04	WIRE TIE - 3/16" X 7" NYLON (NOT SHOWN)	15
12	121746-04	RELAY - BOSCH 12 V. 40 AMP	1
13	121396	FEMALE CONNECTOR	1
14	83065	LOCKWASHER- 1/4	4
15	97735	WIRE - FEMALE INSUL. SPADE TERM.	4
16	90101	SCREW, SLOTTED HEAD 10 - 32 X 3/4"	5
17	90102	NUT, HEX 10 - 32 UNC	5
18	90103	LOCKWASHER #10	5
19	92552	FLAT WASHER #10	10
20	28Y52	FEMALE TERMINAL	49
21	84444	FLAT WASHER 1/4" STEEL	1
22	142998-03	C-2 CLEAN-OUT DOOR LIMIT SWITCH HARNESS	1
23	84316-04	WIRE - 16-2 ALPHA	36"
24	84316-04	WIRE - 16-2 ALPHA	139"
25	95021	SPLIT LOOM - 1/4" PLASTIC	175"
26	86624-03	16 AWG - 25 CONDUCTOR	36"
27	126976	WIRE TIE - 3/16" X 5 1/2" NYLON (NOT SHOWN)	25
28	89773	HEX BOLT - 1/4 - 20 X 1	4
29	149579-03	C-1 JUNCTION BOX TERMINAL STRIP	1

C-1 JUNCTION BOX HARNESS

(203485-01)



KEY	COLOR	WIRE #	FUNCTION
A	ORANGE/BLACK	51	DUMP HOPPER
B	BLACK/RED	109	
C	ORANGE/RED	38-1	
D	BLUE	34	DUMP HOPPER
E	ORANGE	3	DUMP HOPPER
F	WHITE/BLACK	56	E-STOP
G	GREEN/BLACK	4	E-STOP
H	WHITE	32	TRUCK HITCH
J	GREEN	33	TRUCK HITCH
K	BLACK	30	POWER
L	RED	31	VIBRATOR
M	BLUE/BLACK	52	
N	RED/BLACK	26	C1 LIFT
P	BLACK/WHITE	41	C1 LIFT
Q	BLUE/WHITE	51-1	
R	GREEN/WHITE	51-2	
S	RED/WHITE	52-1	HORN
T	WHITE/RED	37-1	
U	BLUE/RED	36	
V	GREEN/WHITE BLACK	107	
W	RED/GREEN	57	
X	ORANGE/GREEN	62	
Y	WHITE/RED/BLACK	55	
Z	RED/WHITE/BLACK	63	

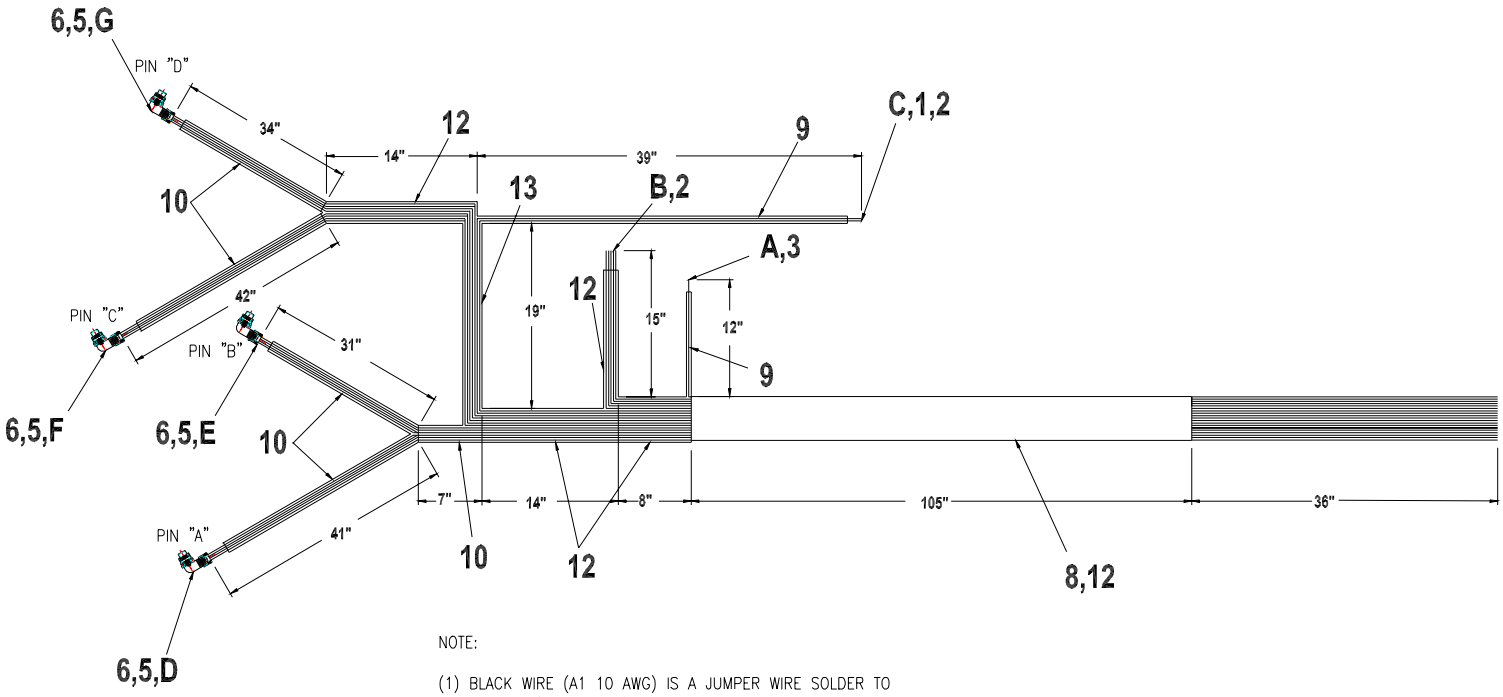
24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	RED/WHITE
M	GREEN/WHITE/BLACK
N	ORANGE/RED
P	BLACK/RED
Q	BLUE/RED
R	WHITE/RED
S	RED/GREEN
T	ORANGE/GREEN
U	RED/WHITE/BLACK
V	BLUE/BLACK
W	ORANGE/BLACK
X	BLUE/WHITE
Y	GREEN/WHITE
Z	RED/WHITE/BLACK

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	24 PIN PLUG	1
2	86451-04	24 PIN CLAMP	2
3	86624-03	25 CONDUCTOR - 16 GAUGE WIRE	390"
4	98298	1" SPLIT LOOM	390"
5	139247-04	24 PIN AMPHENOL PLUG, 90	1

ENGINE WIRE HARNESS

(149636-01)



NOTE:

(1) BLACK WIRE (A1 10 AWG) IS A JUMPER WIRE SOLDER TO GREEN WIRE (A2 10 AWG)

(2) BLUE/WHITE WIRE IN WIRE HARNESS IS TERMINATED AT 2A WIRE# 26. THE REMAINING WIRE BECOME WIRE# 48 AT A2 AND IS TERMINATED AT 4A

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	GREEN/WHITE	42	1	52Z09	ELEC * 1 PIN FEMALE PLUG CONN	TACH PULSE
B	WHITE	44	1	93253	WIRE * TERMINAL RING 16GA.	PRESSURE SWITCH
	GREEN	26	1	93253	WIRE * TERMINAL RING 16GA.	HOUR METER
	BLUE/WHITE	26	1	93253	WIRE * TERMINAL RING 16GA.	HOUR METER
	BLUE/WHITE	48	1	93253	WIRE * TERMINAL RING 16GA.	HOUR METER
	ORANGE/RED	44S	1	93253	WIRE * TERMINAL RING 16GA.	OIL PRESSURE
C	BLUE/RED	106-S	1	93253	WIRE * TERMINAL RING 16GA.	WATER TEMP SENDING UNIT
	BLUE/WHITE	48	1	97735	TERMINAL ~ FEMALE 16-14 AWG	HOUR METER
D	WHITE/BLACK	GND	1			
	GREEN/BLACK	52	1	92756-04	ELEC * 4-PIN CONNECTOR	C3
	BLUE/BLACK	52-1	1	86465-04	ELEC * CABLE CLAMP-5 PIN	EXTRA BLACK/WHITE WIRE IS 11"LONG & SOILDER TO OTHER BLACK/WHITE WIRE
	WHITE/BLACK	GND				
E	ORANGE	15	1			
	BLUE	GND	1	92756-04	ELEC * 4-PIN CONNECTOR	C2
	ORANGE/BLACK	15-1	1	86465-04	ELEC * CABLE CLAMP-5 PIN	EXTRA BLUE WIRE IS 11"LONG & SOILDER TO OTHER BLUE WIRE
	BLUE	GND				
F	RED/WHITE	32	1			
	RED/WHITE	EXTRA	1	92756-04	ELEC * 4-PIN CONNECTOR	TRAVEL
	BLACK/WHITE	33	1	86465-04	ELEC * CABLE CLAMP-5 PIN	EXTRA RED/WHITE & BLACK/WHITE WIRE IS 11"LONG & SOILDER TO EACH OTHER
	BLACK/WHITE	EXTRA	1			
G	RED/BLACK	51-1	1			
	RED	51	1	92756-04	ELEC * 4-PIN CONNECTOR	C1
	BLACK	GND	1	86465-04	ELEC * CABLE CLAMP-5 PIN	EXTRA BLACK WIRE IS 11"LONG & SOILDER TO OTHER BLACK WIRE
	BLACK	GND				

PIN"A"LAY-OUT

PIN	COLOR	WIRE#
A	GREEN/BLACK	52
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	BLUE/BLACK	52-1

PIN"B"LAY-OUT

PIN	COLOR	WIRE#
A	ORANGE/BLACK	15-1
B	BLUE	GND
C	BLUE	GND
D	ORANGE	15

PIN"C"LAY-OUT

PIN	COLOR	WIRE#
A	RED/WHITE	32
B	RED/WHITE	EXTRA
C	BLACK/WHITE	EXTRA
D	BLACK/WHITE	33

PIN"D"LAY-OUT

PIN	COLOR	WIRE#
A	RED	51
B	BLACK	GND
C	BLACK	GND
D	RED/BLACK	51-1

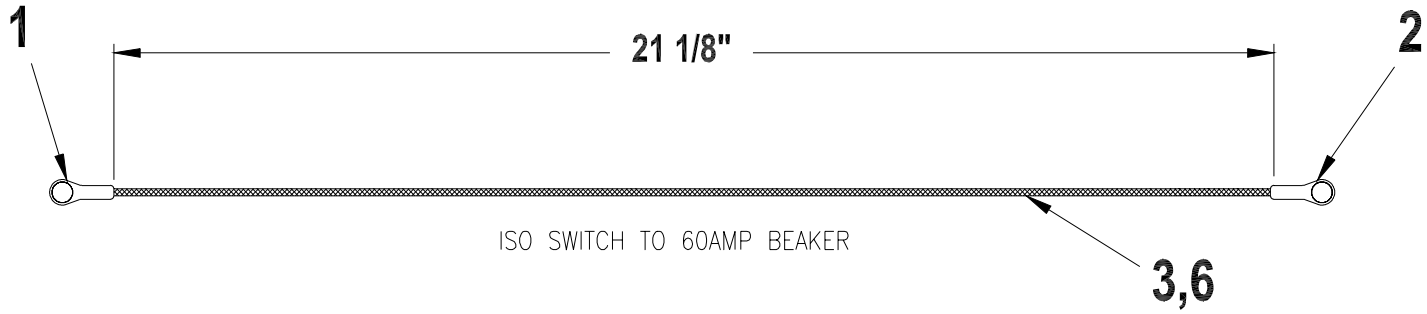
ENGINE WIRE HARNESS
(149636-01)

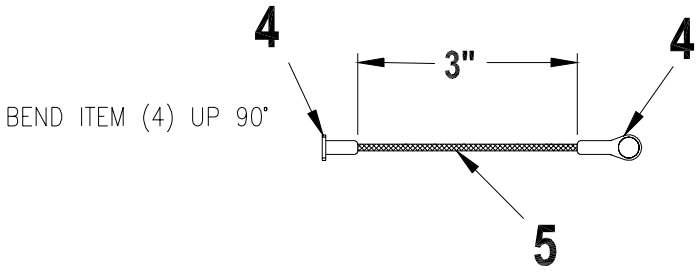
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97735	TERMINAL - FEMALE 16-14 AWG	1
2	93253	RING TERMINAL - 16 AWG	6
3	52Z09	TACK PLUG	1
4	83650-04	INSULATED FORK TERMINAL	2
5	92756-04	4 PIN 90 DEG.	4
6	86465-04	CLAMP	4
7	84320-04	19 CONDUCTOR - 16 GA. WIRE	238"
8	95021	SPLIT LOOM - 1/4"	51"
9	95020	SPLIT LOOM - 1/2"	184"
10	123097	SPLIT LOOM - 5/8"	36"
11	35Z65	SPLIT LOOM - 3/4"	19"
12	98298	SPLIT LOOM - 1"	127"

ASSY. 149636-01 REV. 10/7/02

ROADTEC an Astec company

60 AMP BREAKER HARNESS
(146130-03)



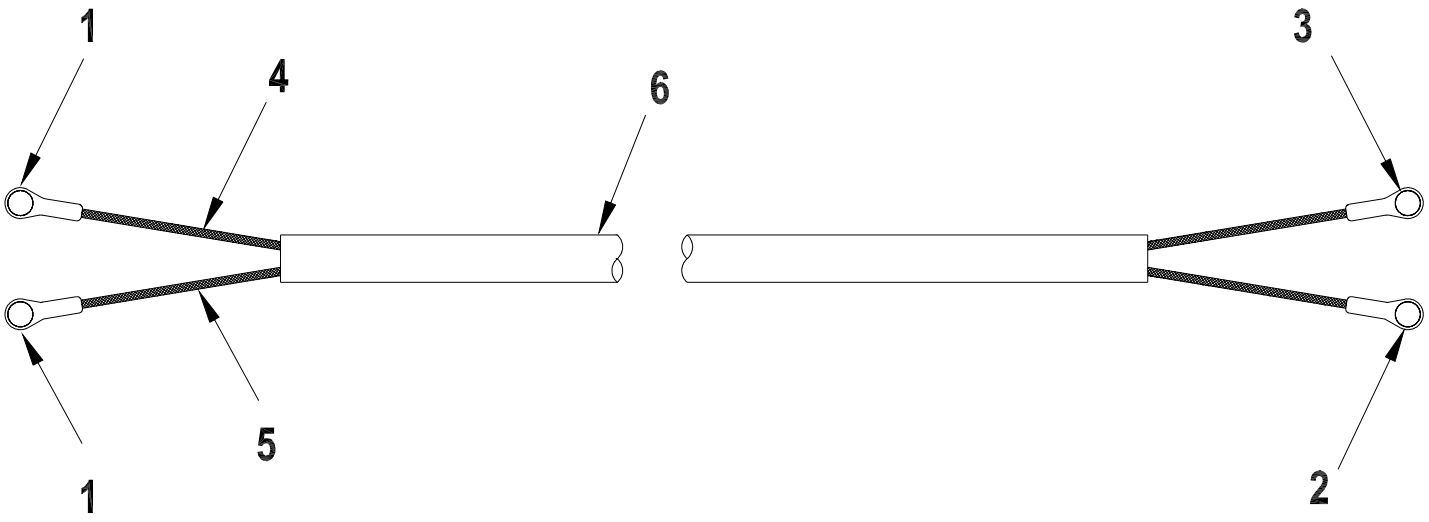


JUMPER (60 AMP TO 40 AMP BREAKER)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93987-04	RING TERMINAL - 3/8"	1
2	128218	WIRE - TERMINAL 1/4" RING	1
3	95018	WIRE - 8 AWG (BLACK)	43"
4	90554	WIRE - TERMINAL #10 RING	2
5	95019	WIRE - #10 AWG (BLACK)	34"
6	95021	SPLIT LOOM - 1/4"	40"

ALTERNATOR HARNESS

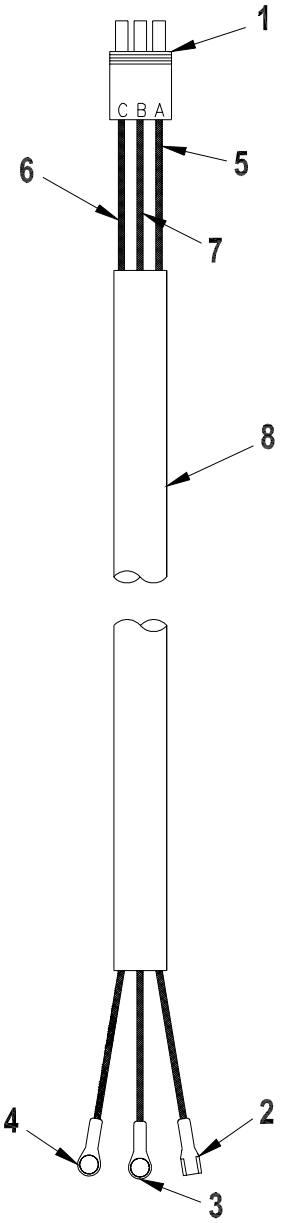
(146132-03)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93987-04	WIRE - TERMINAL 3/8" RING	2
2	128218	WIRE - TERMINAL 1/4" RING	1
3	93986	WIRE - RING TERMINAL	1
4	95018	WIRE - 8 AWG (BLACK)	150"
5	95018	WIRE - 8 AWG (RED)	150"
6	95799	SPLIT LOOM - 3/8'	144"

STARTER HARNESS

(146133-03)



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	127519	3 PIN WEATHERHEAD	1
2	121396	WIRE - FEMALE CONNECTOR	1
3	83648-04	WIRE - TERMINAL 3/8"RING	1
4	90553	WIRE - RING TERMINAL 1/4"	1
5	87856-04	WIRE - 12 AWG (RED)	177"
6	95019	WIRE - 10 AWG (BLACK)	177"
7	95019	WIRE - 10 AWG (WHITE)	177"
8	123097	SPLIT LOOM - 5/8	172"

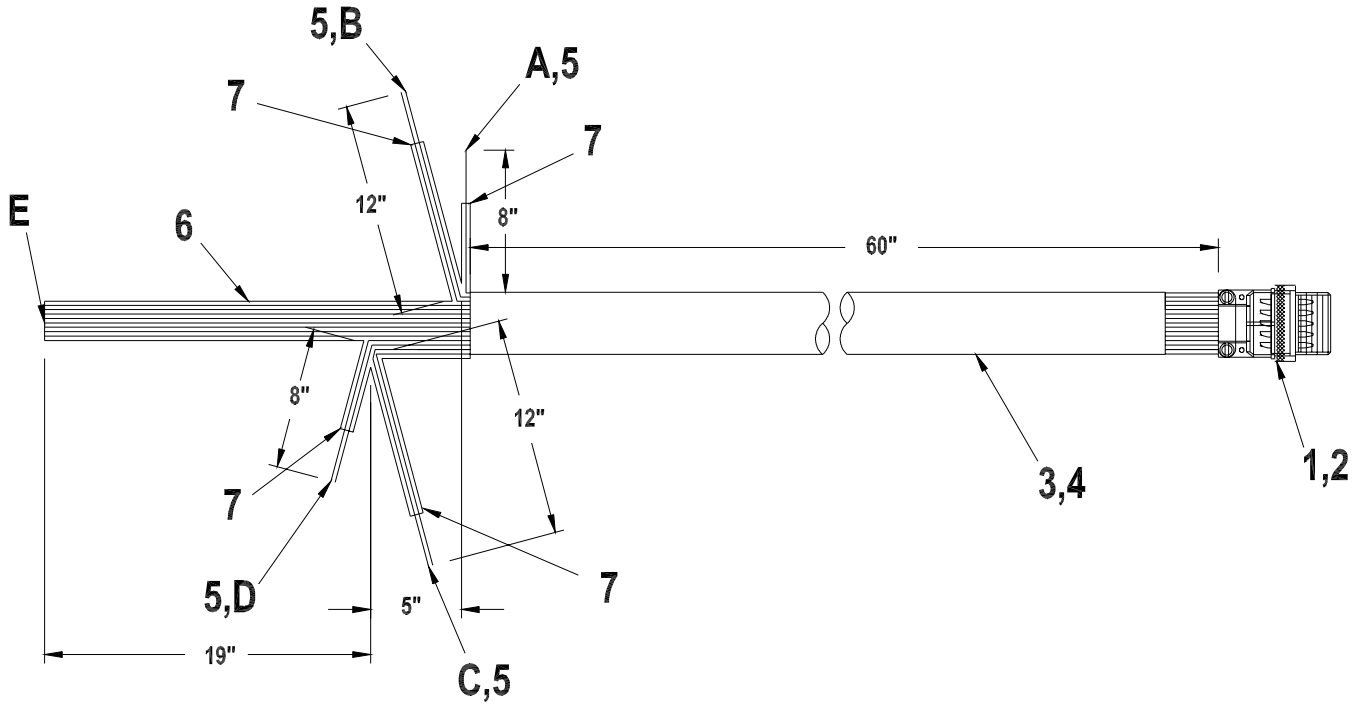
C-1 CNTL. BOX TO VALVE STACK HARNESS

(142312-03)

17 PIN LAY–OUT

KEY	COLOR
A	RED
B	WHITE
C	GREEN
D	BLUE/RED
E	BLUE/WHITE
F	WHITE/BLACK
G	BLACK/RED
H	ORANGE/RED
J	ORANGE
K	BLACK/WHITE
L	WHITE/RED
M	BLUE
N	ORANGE/BLACK
P	RED/BLACK
R	BLACK
S	RED/WHITE
T	BLUE/BLACK

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	GREEN/BLACK	70	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	BAFFEL
B	WHITE/BLACK	69	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	BAFFEL
	RED	2	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	VIBRATOR
C	BLUE	5	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
	RED/BLACK	68	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	CLEAN OUT
D	ORANGE	6	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
	BLACK	67	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	CLEAN OUT
E	WHITE	3	---	---	---	SPARE
	GREEN	4	---	---	---	SPARE
	BLACK/WHITE	66	---	---	---	SPARE
	ORANGE/BLACK	55	---	---	---	SPARE
	BLUE/BLACK	56	---	---	---	SPARE
	BLUE/WHITE	57	---	---	---	SPARE
	GREEN/WHITE	62	---	---	---	SPARE
	RED/WHITE	65	---	---	---	SPARE

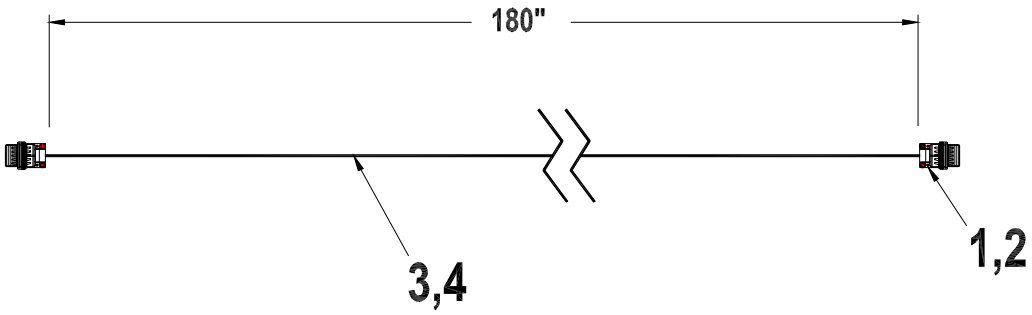


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	80416-C2	KIT - 17 PIN PLUG	1
2	80416-C1	KIT - 17 PIN CLAMP	1
3	121103	WIRE- ALPHA 16-15	84"
4	98298	SPLIT LOOM - 1"	65"
5	28Y52	ELEC - TERMINAL FEMALE NON INSULATED .250	7
6	123097	SPLIT LOOM - 5/8"	19"
7	95021	SPLIT LOOM - 1/4"	40"

CROSSOVER HARNESS
(142311-03)

24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	RED/WHITE
M	GREEN/WHITE/BLACK
N	ORANGE/RED
P	BLACK/RED
Q	BLUE/RED
R	WHITE/RED
S	RED/GREEN
T	ORANGE/GREEN
U	WHITE/RED/BLACK
V	BLUE/BLACK
W	ORANGE/BLACK
X	BLUE/WHITE
Y	GREEN/WHITE
Z	RED/BLACK/WHITE



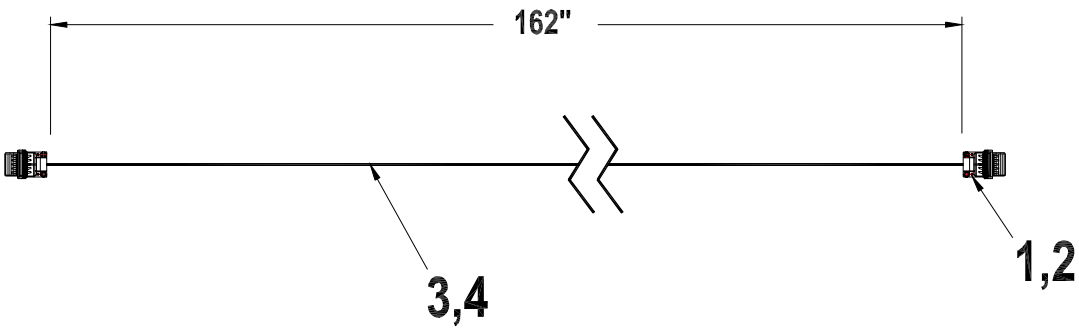
1. THIS CABLE ASSEMBLY MEETS OR EXCEEDS ALL NEC REQUIREMENTS.

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	ELEC - CABLE CONNECTOR 24 PIN	2
2	86451-04	ELEC - CABLE CLAMP 24 PIN	2
3	86624-03	WIRE - 16 GAUGE - 25 CONDUCTOR	180"
4	98298	SPLIT LOOM - 1"	180"

C-1 CNTL. BOX TO C-1 CNTL. BOX HARNESS
(142310-03)

24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	BLUE/BLACK
M	ORANGE/BLACK
N	BLUE/WHITE
P	GREEN/WHITE
Q	RED/WHITE
R	BLUE/RED
S	BLACK/RED
T	WHITE/RED
U	ORANGE/RED

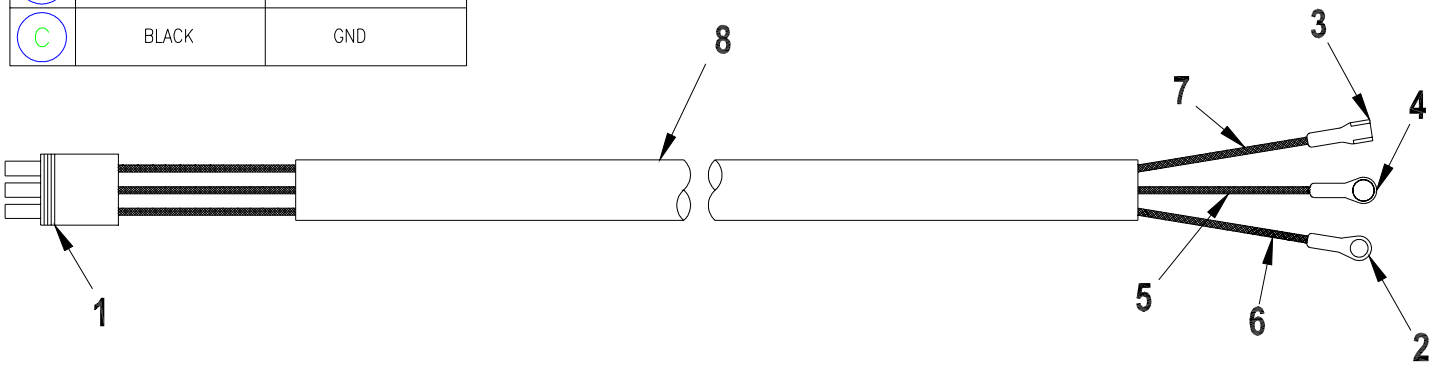


1. THIS CABLE ASSEMBLY MEETS OR EXCEEDS ALL NEC REQUIREMENTS.

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	ELEC - CABLE CONNECTOR 24 PIN	2
2	86451-04	ELEC - CABLE CLAMP 24 PIN	2
3	84320-04	WIRE - 16-19/ ALPHA	162"
4	98298	SPLIT LOOM - 1"	162"

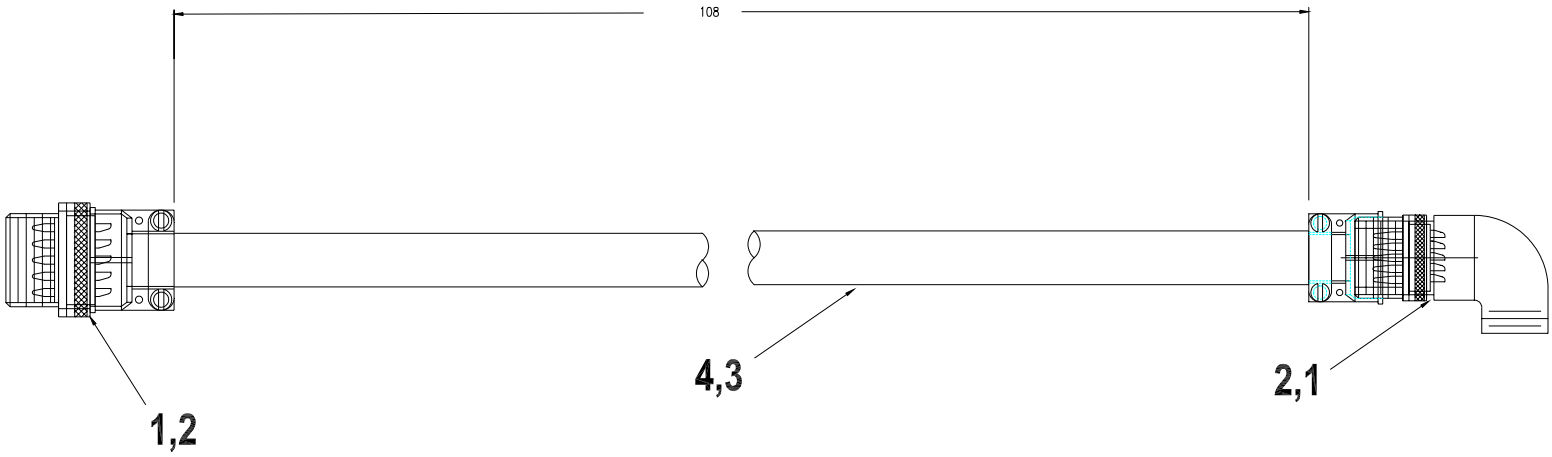
FUEL VALVE HARNESS
(146131-03)

PIN	COLOR	WIRE NUMBER
A	RED	43
B	WHITE	46–1
C	BLACK	GND



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	12519	KIT - 3-PIN MATING BAG	1
2	93988	STUD - 10 AWG 5/16	1
3	121396	WIRE - FEMALE CONNECTOR	1
4	90553	WIRE - RING TERMINAL 1/4"	1
5	87856-04	WIRE - 12 AWG (BLACK)	174"
6	87856-04	WIRE - 12 AWG (GREEN)	174"
7	87856-04	WIRE - 10 AWG (RED)	174"
8	95020	SPLIT LOOM - 1/2"	140"

HARNESS - CABLE 4
(203483-01)



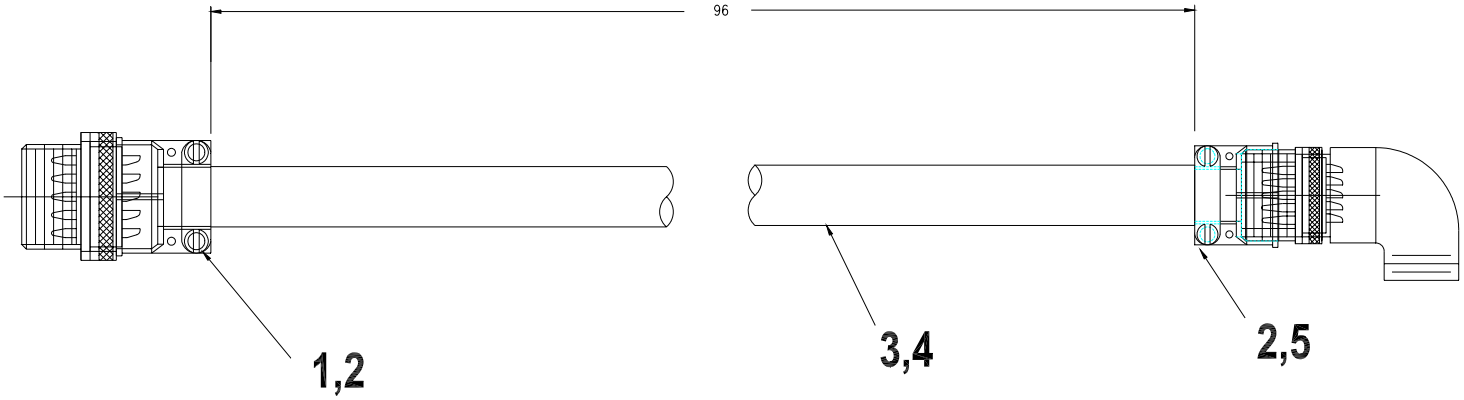
KEY	COLOR	WIRE #	FUNCTION
A	BLACK	1	12 VOLTS
B	RED	2	VIBRATOR
C	WHITE	27	DIFF LOCK
D	GREEN	28	PARKING BRAKE
E	BLUE	5	TRUCK DUMP
F	ORANGE	6	TRUCK DUMP
G	BLACK/WHITE	7	C1 LIFT
H	RED/BLACK	8	C1 LIFT
J	WHITE/BLACK	12	E-STOP
K	GREEN/BLACK	11	E-STOP
L	RED/WHITE	15	C2 ON
M	GREEN/WHITE BLACK	36	C3 SWING
N	ORANGE/RED	26	12 VOLTS
P	BLACK/RED	13	FLOW GATES
Q	BLUE/RED	20	C3 LIFT
R	WHITE/RED	19	HORN
S	RED/GREEN	25	12 VOLTS
T	ORANGE/GREEN	24	12 VOLTS
U	WHITE/RED/BLACK	14	FLOW GATES
V	BLUE/BLACK	21	C3 LIFT
W	ORANGE/BLACK	29	PARKING BRAKE
X	BLUE/WHITE	16	FLOW GATES
Y	GREEN/WHITE	17	FLOW GATES
Z	RED/BLACK/WHITE	23	C3 SWING

24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	RED/WHITE
M	GREEN/WHITE/BLACK
N	ORANGE/RED
P	BLACK/RED
Q	BLUE/RED
R	WHITE/RED
S	RED/GREEN
T	ORANGE/GREEN
U	WHITE/RED/BLACK
V	BLUE/BLACK
W	ORANGE/BLACK
X	BLUE/WHITE
Y	GREEN/WHITE
Z	WHITE/BLACK/RED

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	24 PIN PLUG	1
2	86451-04	24 PIN CLAMP	2
3	86624-03	25 CONDUCTOR - 16 GA. WIRE	108"
4	98298	SPLIT LOOM - 1"	108"
5	139247-04	24 PIN AMPHENOL PLUG, 90	1

HARNESS - CABLE 4-1
(203484-01)



KEY	COLOR	WIRE #	FUNCTION
A	ORANGE/BLACK	51	DUMP HOPPER
B	BLACK/RED	109	
C	ORANGE/RED	38-1	
D	BLUE	34	DUMP HOPPER
E	ORANGE	3	DUMP HOPPER
F	WHITE/BLACK	56	E-STOP
G	GREEN/BLACK	4	E-STOP
H	WHITE	32	TRUCK HITCH
J	GREEN	33	TRUCK HITCH
K	BLACK	30	POWER
L	RED	31	VIBRATOR
M	BLUE/BLACK	52	
N	RED/BLACK	26	C1 LIFT
P	BLACK/WHITE	41	C1 LIFT
Q	BLUE/WHITE	51-1	
R	GREEN/WHITE	51-2	
S	RED/WHITE	52-1	HORN
T	WHITE/RED	37-1	
U	BLUE/RED	36	
V	GREEN/WHITE BLACK	107	
W	RED/GREEN	57	
X	ORANGE/GREEN	62	
Y	WHITE/RED/BLACK	55	
Z	RED/WHITE/BLACK	63	

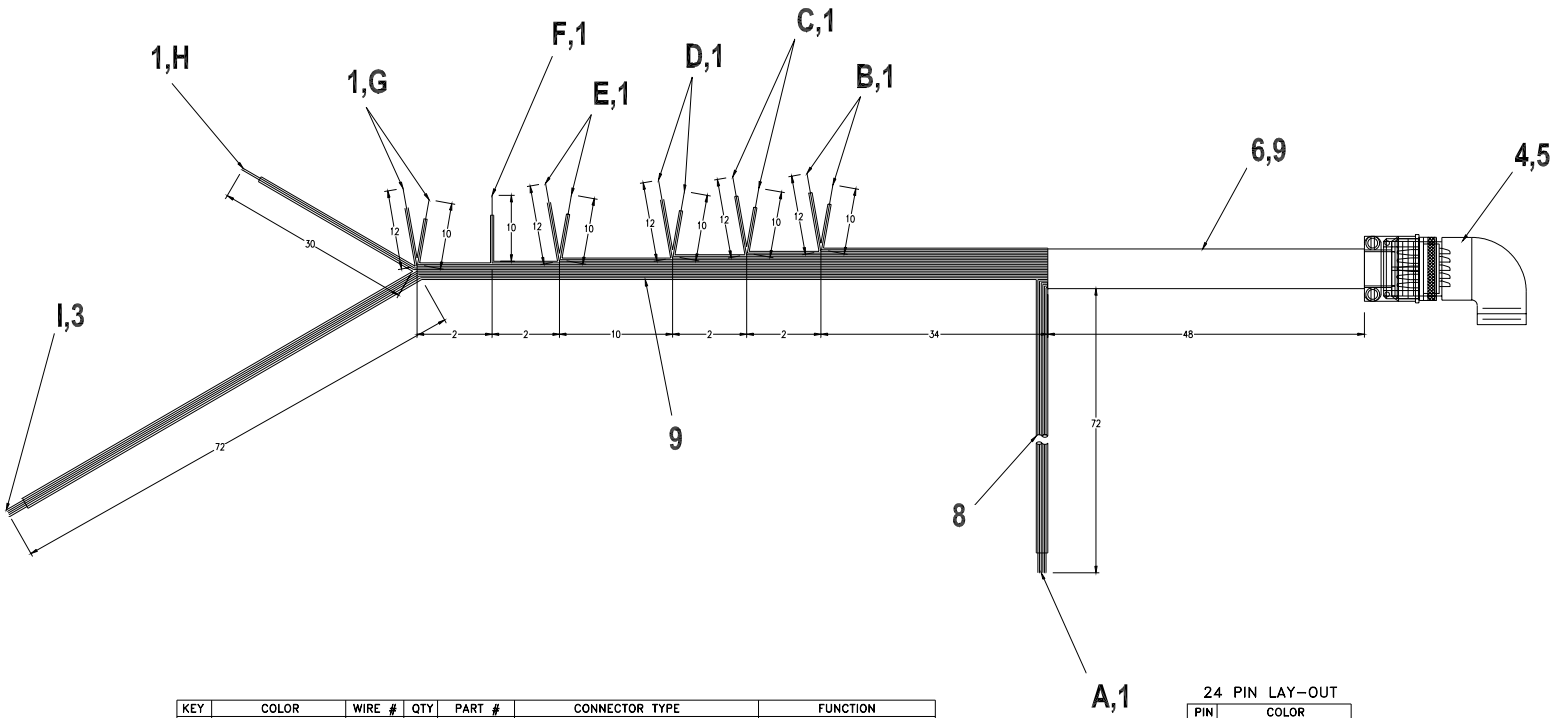
24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	RED/WHITE
M	GREEN/WHITE/BLACK
N	ORANGE/RED
P	BLACK/RED
Q	BLUE/RED
R	WHITE/RED
S	RED/GREEN
T	ORANGE/GREEN
U	RED/WHITE/BLACK
V	BLUE/BLACK
W	ORANGE/BLACK
X	BLUE/WHITE
Y	GREEN/WHITE
Z	RED/WHITE/BLACK

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	24 PIN PLUG	1
2	86451-04	24 PIN CLAMP	2
3	86624-03	25 CONDUCTOR - 16 GA. WIRE	96"
4	98298	SPLIT LOOM - 1"	96"
5	139247-04	24 PIN AMPHENOL PLUG, 90	1

VALVE STACK HARNESS

(203482-01)



KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BLUE/BLACK	27	1	97735	FEMALE ELECTRICAL CONNECTOR	BRAKE & DIFF LOCK
	RED/BLACK	29	1	97735	FEMALE ELECTRICAL CONNECTOR	BRAKE & DIFF LOCK
	BLACK/WHITE	35	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
	WHITE/RED/BLACK	72	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
	RED/WHITE/BLACK	108	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
	GREEN/WHITE/BLACK	110	1	97735	FEMALE ELECTRICAL CONNECTOR	HOOD LIFT
B	BLUE/WHITE	88	1	97735	FEMALE ELECTRICAL CONNECTOR	VALVE
	GREEN/WHITE	89	1	97735	FEMALE ELECTRICAL CONNECTOR	VALVE
C	WHITE	20	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
	GREEN	21	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
D	BLACK	22	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
	RED	23	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
E	WHITE/BLACK	16	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
	GREEN/BLACK	17	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
F	RED/WHITE	18	1	97735	FEMALE ELECTRICAL CONNECTOR	VALVE
G	BLUE	13	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
	ORANGE	14	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
H	WHITE/RED	38-2	1	97735	FEMALE ELECTRICAL CONNECTOR	LIMIT SWITCH
	BLUE/RED	38	1	38Z57	MALE ELECTRICAL CONNECTOR	LIMIT SWITCH
I	ORANGE/BLACK	1	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	RED/GREEN	24	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	BLACK/RED	88	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	ORANGE/RED	89	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	ORANGE/GREEN	107	1	90990-04	RING TERMINAL 16 GAU	SWITCH

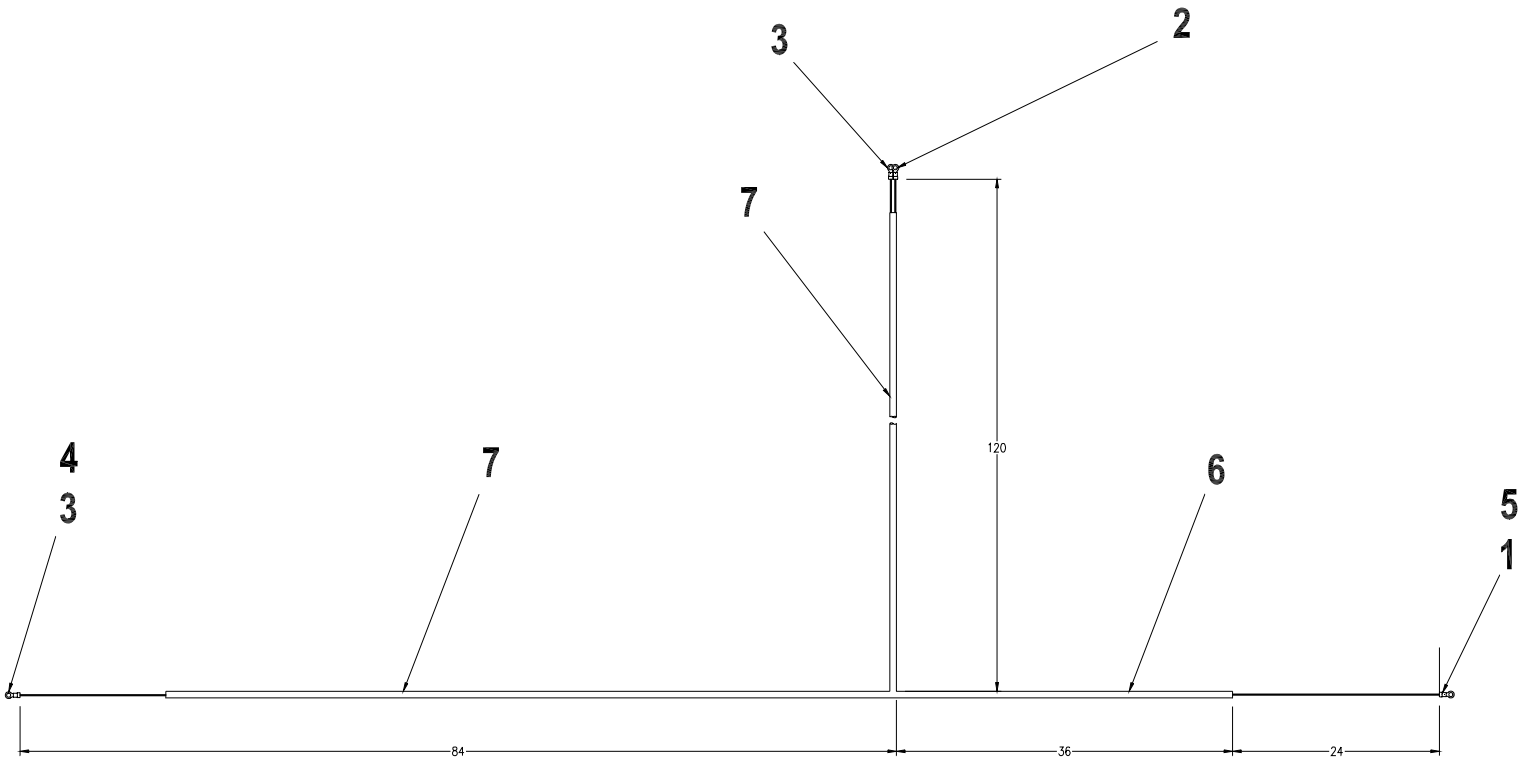
24 PIN LAY-OUT

PIN	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	RED/WHITE
M	GREEN/WHITE/BLACK
N	ORANGE/RED
P	BLACK/RED
Q	BLUE/RED
R	WHITE/RED
S	RED/GREEN
T	ORANGE/GREEN
U	WHITE/RED/BLACK
V	BLUE/BLACK
W	ORANGE/BLACK
X	BLUE/WHITE
Y	GREEN/WHITE
Z	RED/WHITE/BLACK

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97735	ELECTRICAL FEMALE PLUG	18
2	90990-04	RING TERMINAL 16 AWG	5
3	38Z57	MALE ELECTRICAL CONNECTOR	1
4	139247-04	24 PIN AMPHENOL PLUG, 90	1
5	86451-04	24 PIN CLAMP	1
6	86624-03	25 CONDUCTOR - 16 GAUGE WIRE	172"
7	95021	SPLIT LOOM - 1/4"	128"
8	123097	SPLIT LOOM - 5/8"	144"
9	98298	SPLIT LOOM - 1"	100"

MAIN BREAKER & WASHDOWN HARNESS

(203487-01)

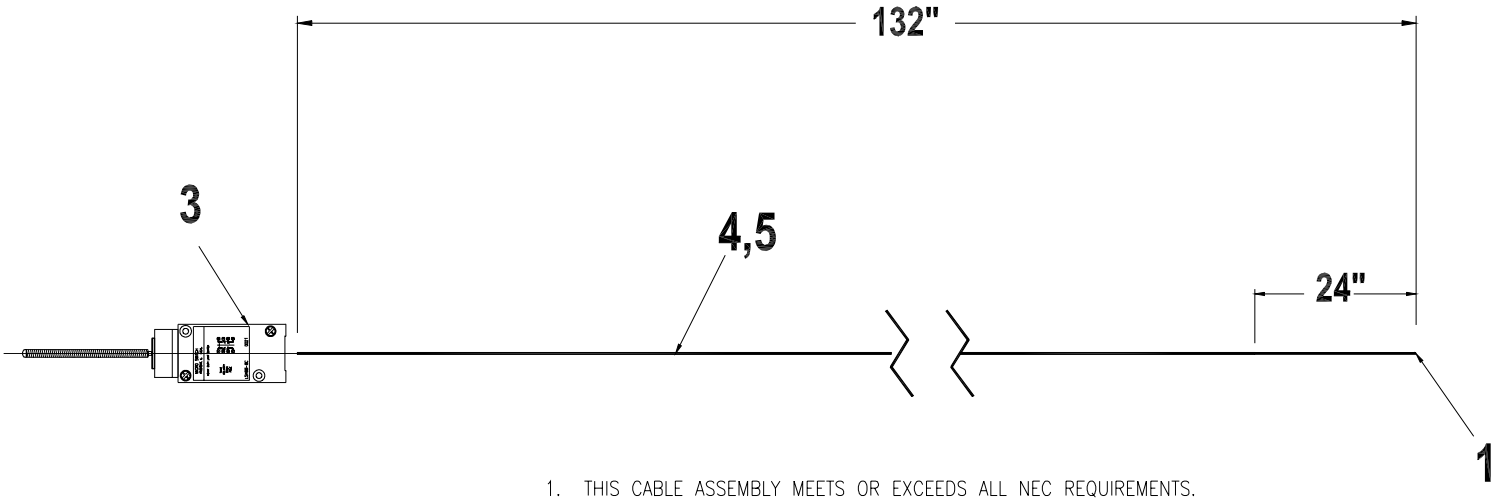


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93988	5/16 RING TERMINAL	1
2	128218	1/4 RING TERMINAL	1
3	93986	RING TERMINAL #10	2
4	95018	WIRE - 8 AWG BLACK	204"
5	95018	WIRE - 8 AWG RED	180"
6	95021	SPLIT LOOM - 1/4"	60"
7	95799	SPLIT LOOM - 3/8"	204"

RADIATOR LIMIT SWITCH HARNESS

(145333-01)

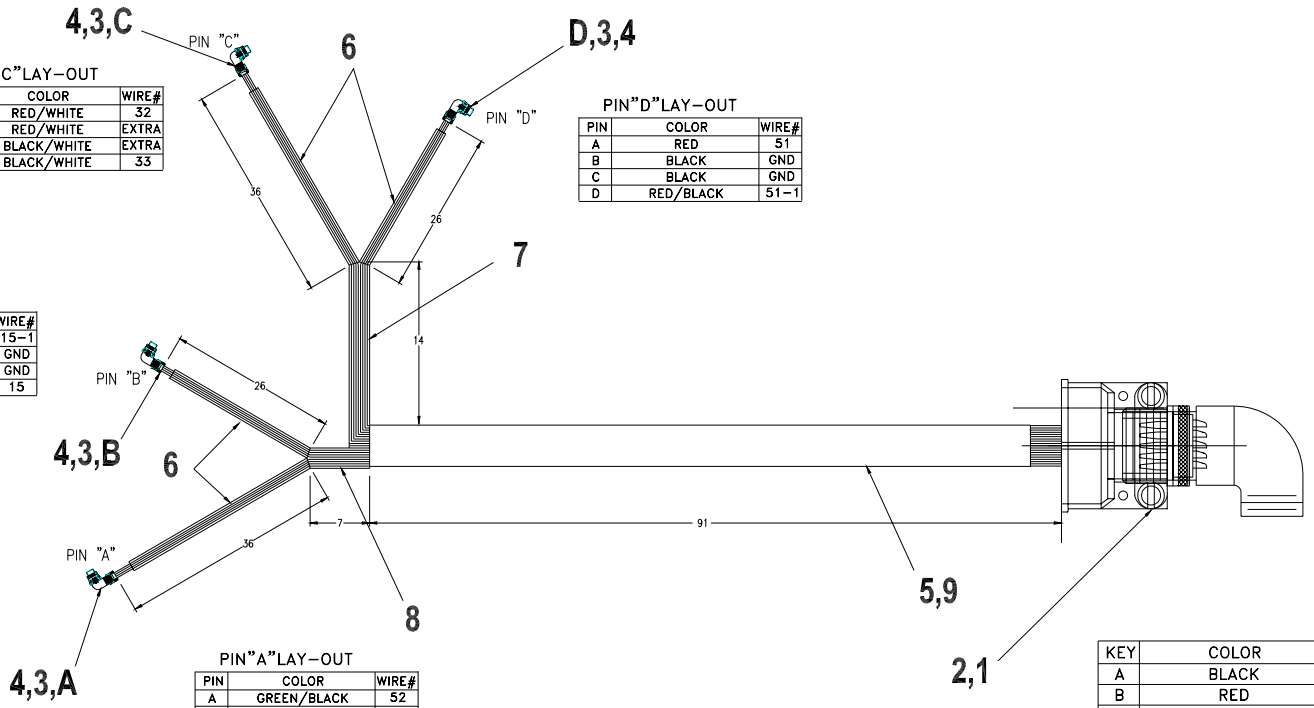
KEY	COLOR	WIRE #	FUNCTION
1	BLACK	12–1	COMMON
2	RED	12–2	NORMALLY OPEN
3	WHITE	30	COMMON
4	GREEN	30–1	NORMALLY OPEN



1. THIS CABLE ASSEMBLY MEETS OR EXCEEDS ALL NEC REQUIREMENTS.

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	28Y52	FEMALE TERMINAL NON-INSULATED .250	4
2			
3	145215-04	LIMIT SWITCH W/ WOBBLE LEVER (DPDT)	1
4	84317-04	4 CONDUCTOR -16 GAUGE WIRE	132"
5	95021	SPLIT LOOM - 1/4"	108"

PUMP WIRE HARNESS
(203486-01)



PIN"C"LAY-OUT

PIN	COLOR	WIRE#
A	RED/WHITE	32
B	RED/WHITE	EXTRA
C	BLACK/WHITE	EXTRA
D	BLACK/WHITE	33

PIN"D"LAY-OUT

PIN	COLOR	WIRE#
A	RED	51
B	BLACK	GND
C	BLACK	GND
D	RED/BLACK	51-1

PIN"B"LAY-OUT

PIN	COLOR	WIRE#
A	ORANGE/BLACK	15-1
B	BLUE	GND
C	BLUE	GND
D	ORANGE	15

PIN"A"LAY-OUT

PIN	COLOR	WIRE#
A	GREEN/BLACK	52
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	BLUE/BLACK	52-1

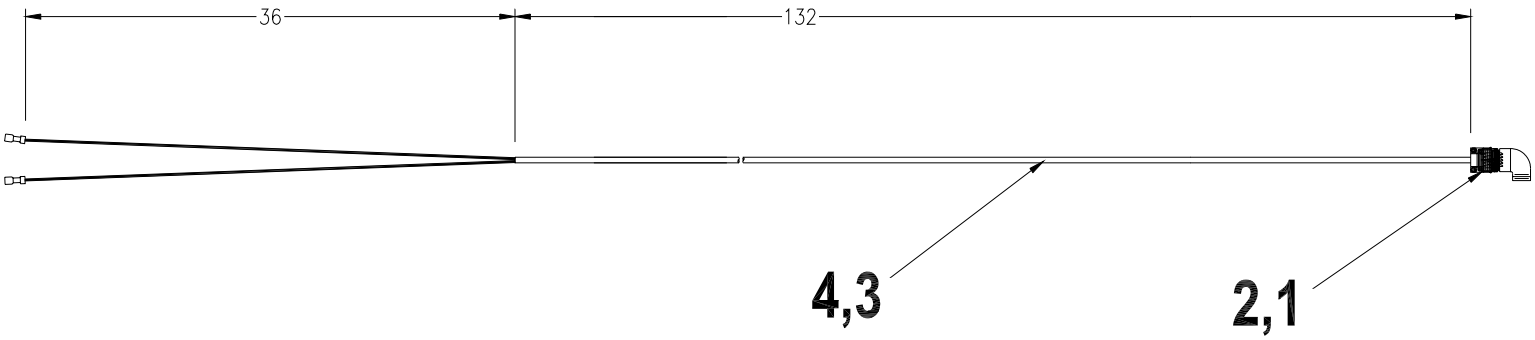
KEY	COLOR
A	BLACK
B	RED
C	WHITE
D	GREEN
E	BLUE
F	ORANGE
G	BLACK/WHITE
H	RED/BLACK
J	WHITE/BLACK
K	GREEN/BLACK
L	ORANGE/BLACK
M	BLUE/BLACK
N	BLUE/WHITE
P	GREEN/WHITE
R	RED/WHITE
S	
T	

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

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204736-04	17 PIN AMPHENOL PLUG, 90 DEGREE	1
2	80416-C1	17 PIN CLAMP	1
3	92756-04	4 PIN 90 DEG.	4
4	86465-04	CLAMP	4
5	121103	15 CONDUCTOR - 16 GA. WIRE	141"
6	95020	SPLIT LOOM - 1/2"	124"
7	123097	SPLIT LOOM - 5/8"	21"
8	35Z65	SPLIT LOOM - 3/4"	7"
9	98298	SPLIT LOOM - 1"	91"

C-1 & C-2 FXS WIRE HARNESS

(203488-02)



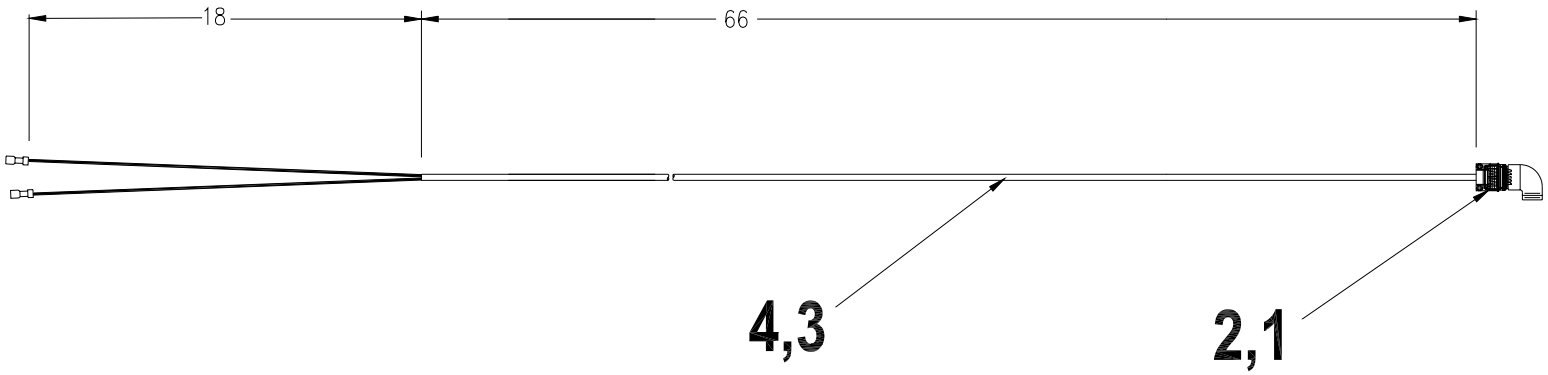
KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	RED	38–2	1	121558	WIRE ~ FEMALE INSULATED	FXS
B	BLACK	37	1	121558	WIRE ~ FEMALE INSULATED	FXS

2 PIN LAY–OUT

KEY	COLOR	WIRE #
A	RED	38–2
B	BLACK	37

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204735-04	4 PIN AMPHENOL PLUG, 90 DEGREE	1
2	135466-04	CABLE CLAMP	1
3	121538	INSULATED FEMALE CONNECTOR	2
4	97735	FEMALE INSUL. SPADE TERMINAL	1
5	38Z57	TERMINAL 16-14 GA. MALE INSUL.	1
6	84317-04	4 CONDUCTOR - 16 GA. WIRE	144"
7	95021	SPLIT LOOM - 1/4"	180"
8	95020	SPLIT LOOM - 1/2"	12"

BEACON WIRE HARNESS
(203489-02)



KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	RED	105	1	121538	WIRE ~ FEMALE INSULATED	BEACON
B	BLACK	GND	1	121538	WIRE ~ FEMALE INSULATED	BEACON

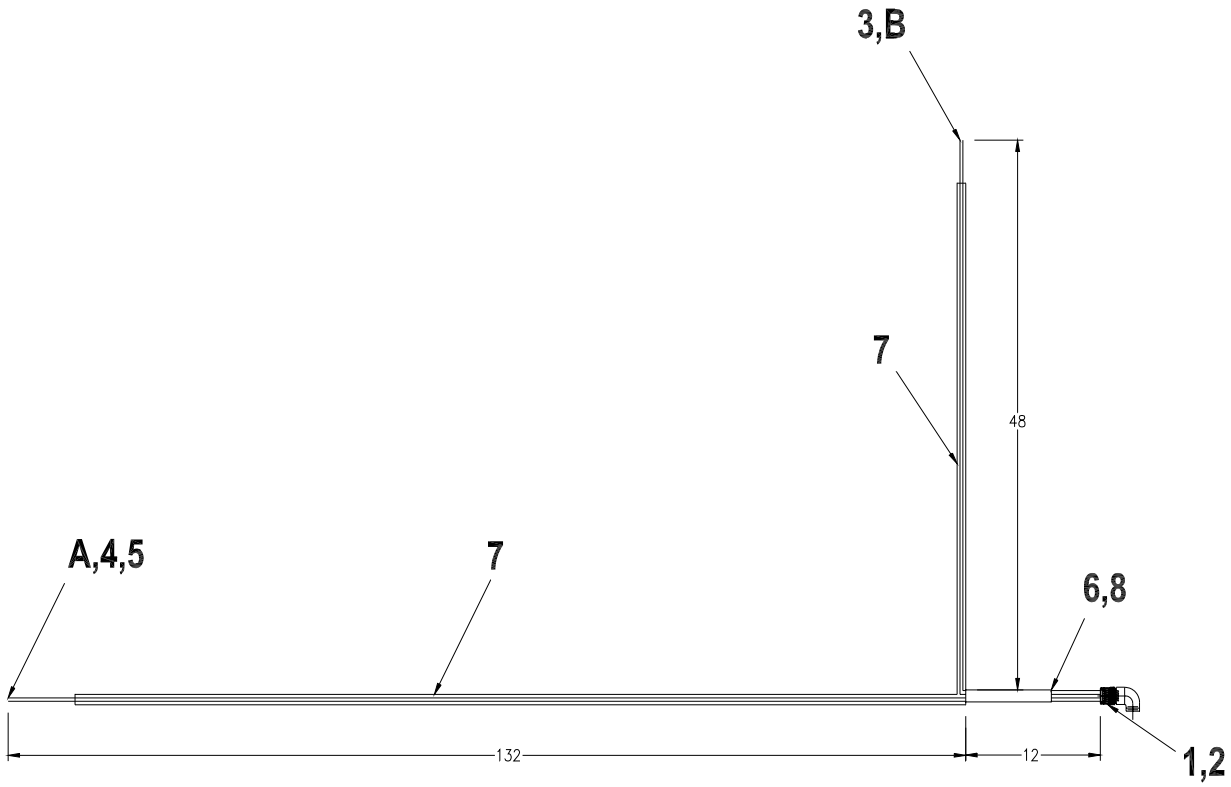
2 PIN LAY-OUT

KEY	COLOR	WIRE #
A	RED	105
B	BLACK	GND

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204737-04	2 PIN AMPHENOL PLUG, 90 DEGREE	1
2	135466-04	CABLE CLAMP	1
3	121538	INSULATED FEMALE CONNECTOR	2
4	121393	2 CONDUCTOR - 12 GAUGE WIRE	84"
5	95799	SPLIT LOOM - 3/8"	66"

BRAKE PRESSURE & BACK-UP HARNESS

(203490-02)



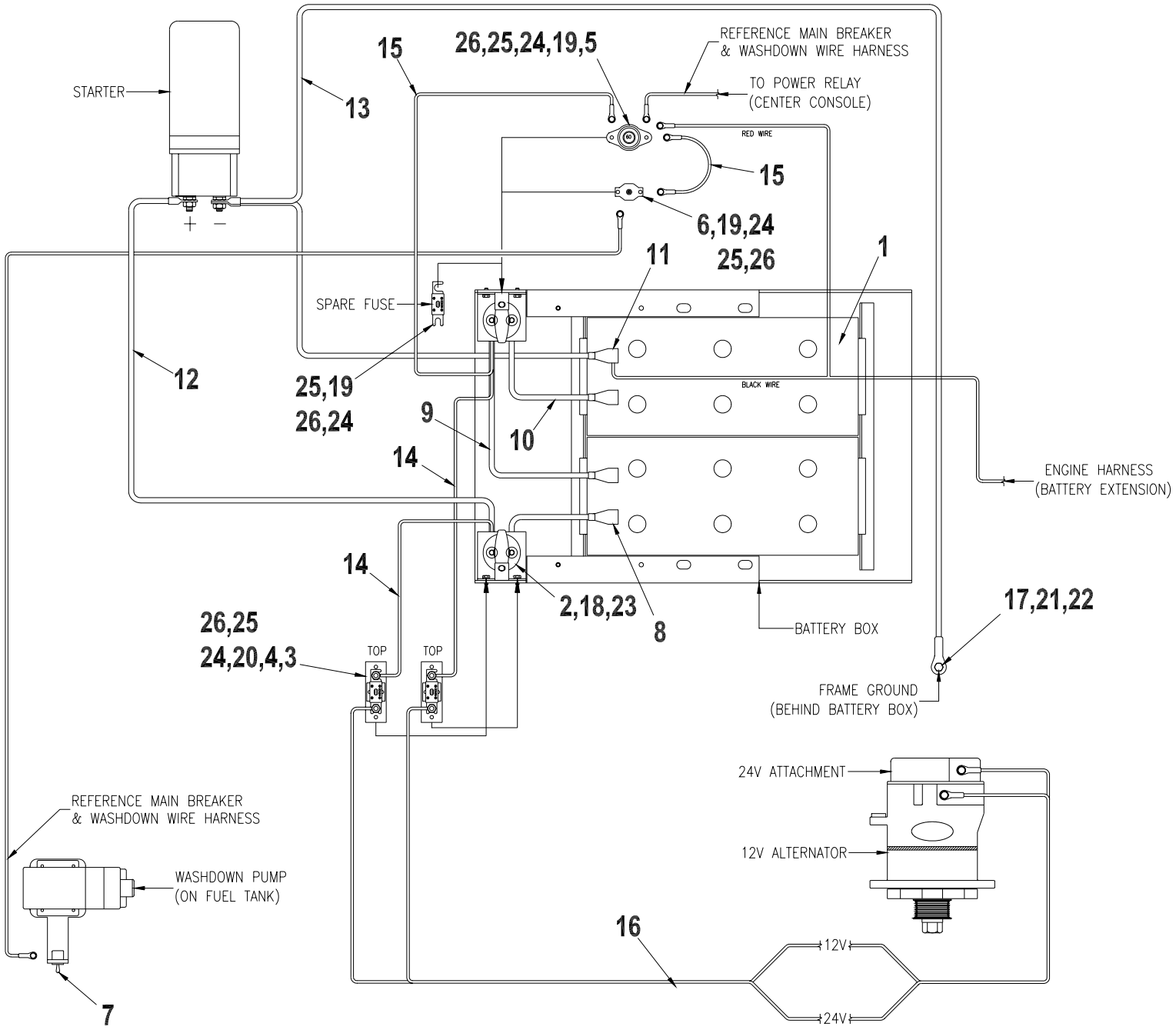
KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BLACK	34	1	97735	FEMALE ELECTRICAL CONNECTOR	BACK-UP ALARM
	RED	29	1	38Z57	MALE ELECTRICAL CONNECTOR	BACK-UP ALARM
B	WHITE	31	1	121538	INSULATED FEMALE CONNECTOR	BRAKE PRESSURE
	GREEN	31	1	121538	INSULATED FEMALE CONNECTOR	BRAKE PRESSURE

2 PIN LAY-OUT

KEY	COLOR	WIRE #
A	BLACK	34
B	RED	29
C	WHITE	31
D	GREEN	31

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204735-04	4 PIN AMPHENOL PLUG, 90 DEGREE	1
2	135466-04	CABLE CLAMP	1
3	121538	INSULATED FEMALE CONNECTOR	2
4	97735	FEMALE INSUL. SPADE TERMINAL	1
5	38Z57	TERMINAL 16-14 GA. MALE INSUL.	1
6	84317-04	4 CONDUCTOR - 16 GA. WIRE	144"
7	95021	SPLIT LOOM - 1/4"	180"
8	95020	SPLIT LOOM - 1/2"	12"

BATTERY / ISO SWITCH ASSEMBLY
(204281-03)

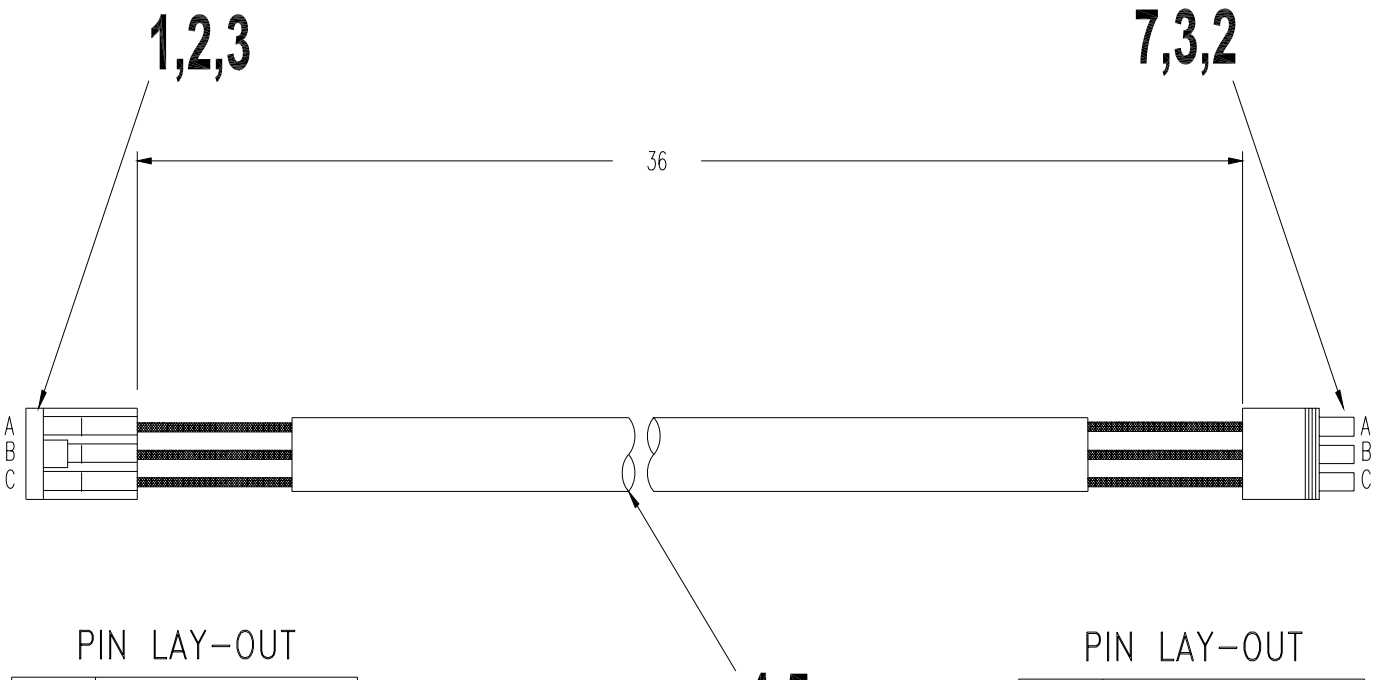


BATTERY / ISO SWITCH ASSEMBLY
(204281-03)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	11S35	BATTERY - WET CHARGED 4D - 12V	2
2	130644	BATTERY ISOLATION SWITCH	2
3	146264-04	BASE - FUSABLE LINK	2
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 - ON/OFF	1
8	203703-04	CABLE - BATTERY (+) TO ISO SWITCH (24V)	1
9	146128-04	CABLE - BATTERY (-) TO ISO SWITCH	1
10	146125-04	CABLE - BATTERY (+) TO ISO SWITCH (12V)	1
11	203707-04	CABLE - BATTERY (-) TO STARTER	1
12	203708-04	CABLE - ISO SWITCH TO STARTER	1
13	203709-04	CABLE - STARTER TO MACHINE GROUND	1
14	146296-04	CABLE - FUSEABLE LINK TO ISO SWITCH	1
15	146130-03	WIRE HARNESS - 60 AMP BREAKER	1
16	146132-03	WIRE HARNESS - ALTERNATOR	1
17	84332	HEX BOLT - 3/8-16 X 1 GR8	1
18	83114	HEX BOLT - 1/4-20 X 1/2 GR8	4
19	135807-04	SLOTTED HD. SCREW - 10-32 X 1	6
20	90101	SLOTTED HD. SCREW - 10-32 X 3/4	4
21	83056	LOCKWASHER - 3/8 SPRING STEEL	1
22	139702-04	STAR WASHER - 3/8 ID/OD	1
23	83065	WASHER - 1/4-20 SPRING STEEL	4
24	92552	FLAT WASHER - #10 STEEL	22
25	90103	LOCKWASHER - #10	10
26	90102	HEX NUT - 10-32	12

THROTTLE STEERING BOX WIRE HARNESS

(203761-03)



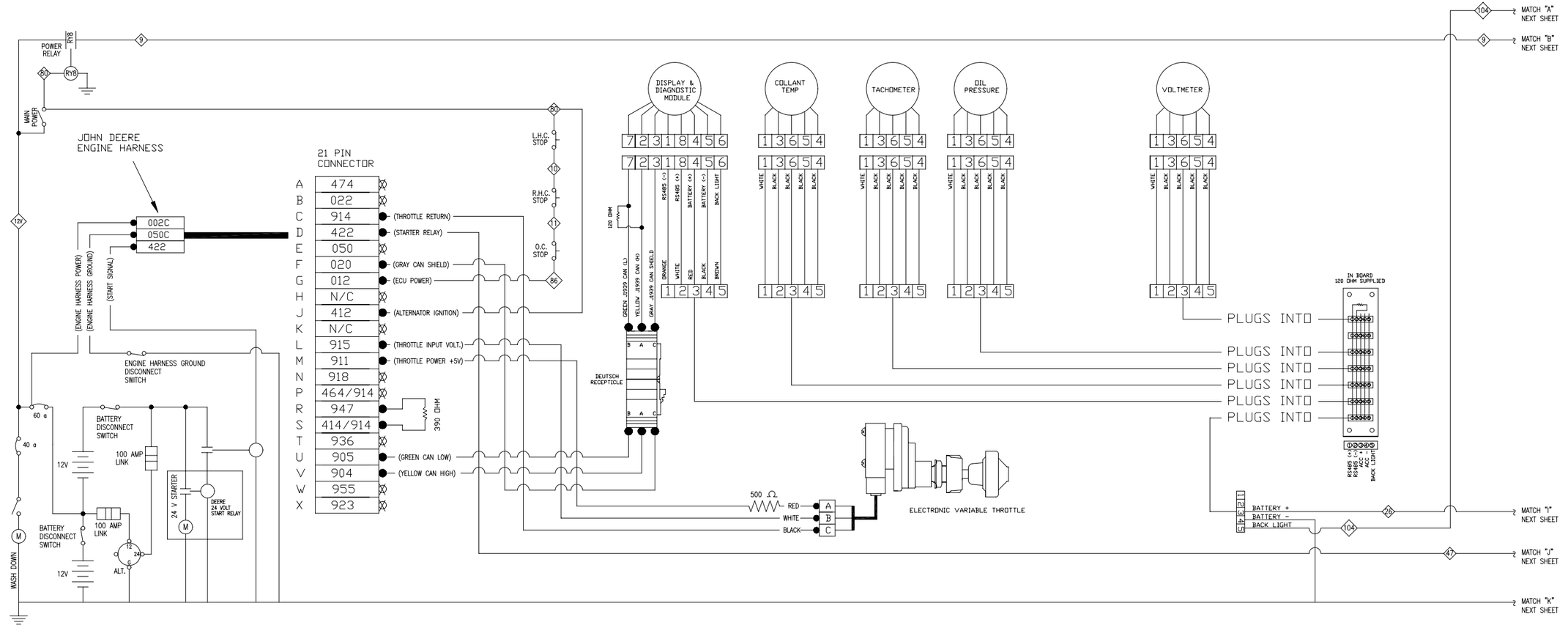
PIN LAY–OUT

PIN	COLOR
A	RED
B	WHITE
C	BLACK

PIN LAY–OUT

PIN	COLOR
A	RED
B	WHITE
C	BLACK

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	143144	3-PIN PACKARD MALE PLUG	1
2	143146	MALE CONNECTOR	6
3	143148	CABLE SEALS	6
4	125267	3 CONDUCTOR 16 AWG WIRE	36"
5	95799	SPLIT LOOM - 3/8"	28"
6			
7	143145	FEMALE CONNECTOR	1



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 LEGEND

RY2 – NEUTRAL START
RY7 – HORN
RY8 – MAIN POWER
RY9 – LATCHING (SPEED SHIFT)

THIS DWG REPLACES 200819-01 ON PROTOTYPE MACHINE S/N 665 AND GOES INTO PRODUCTION ON S/N 680

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

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

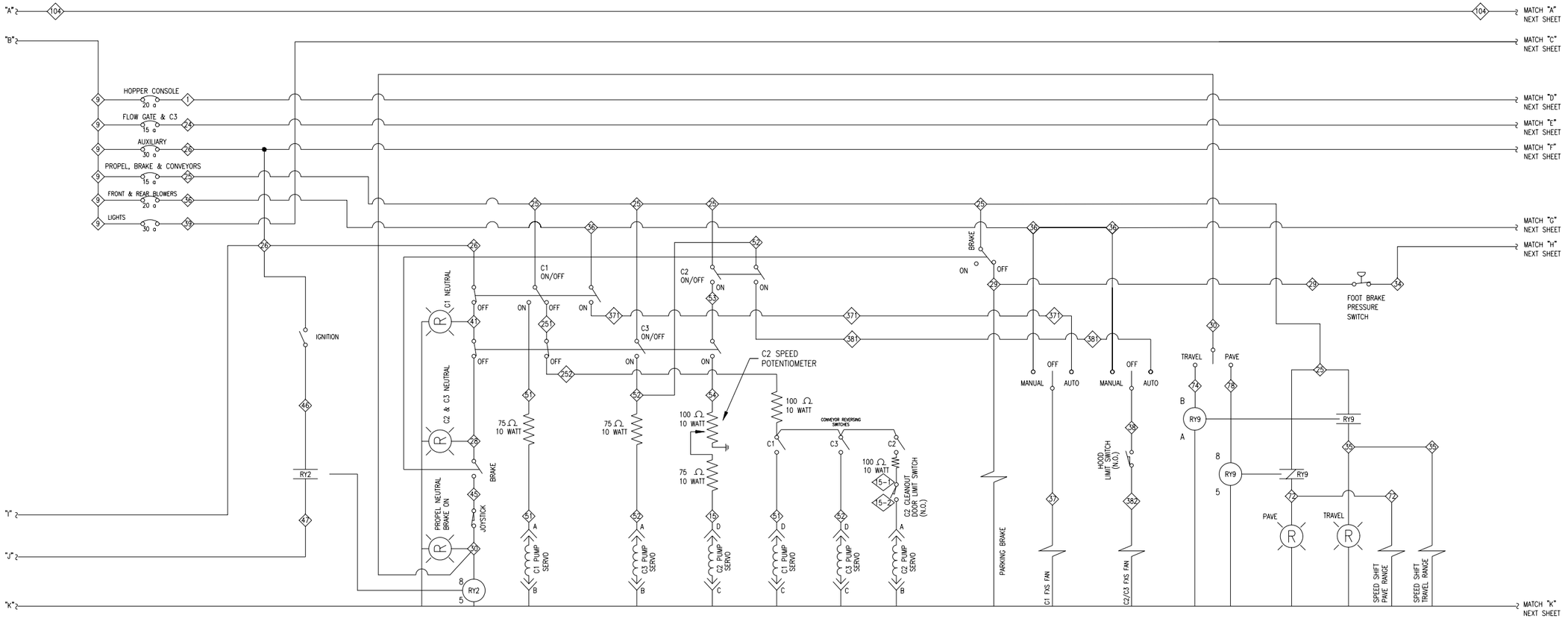
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

1 REQ'D PER SB2500C | SHEET NO 1 OF 4 | FAB CODE 603 | EFFECTIVE S/N 680

DRAWN BY JHB | CHECKED BY | DWG NO 203522-01 | REV. 0

SCALE 1=1 | DATE 11-14-02



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

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

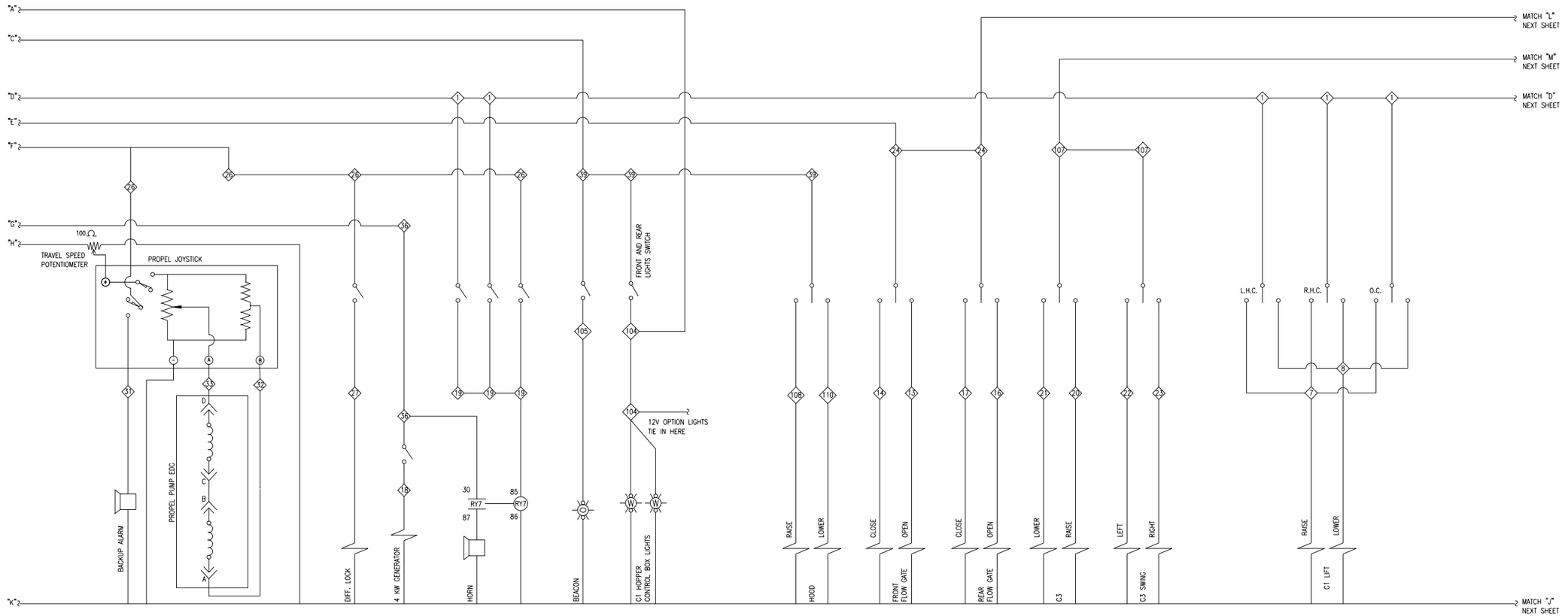
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

REQ'D PER	SHEET NO.	FAB CODE	EFFECTIVE S/N
1 SB2500C	2 OF 4	603	680

DRAWN BY	CHECKED BY	DWG NO.	REV.
JHB		203522-01	0

SCALE: 1=1 DATE: 11-14-02



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

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

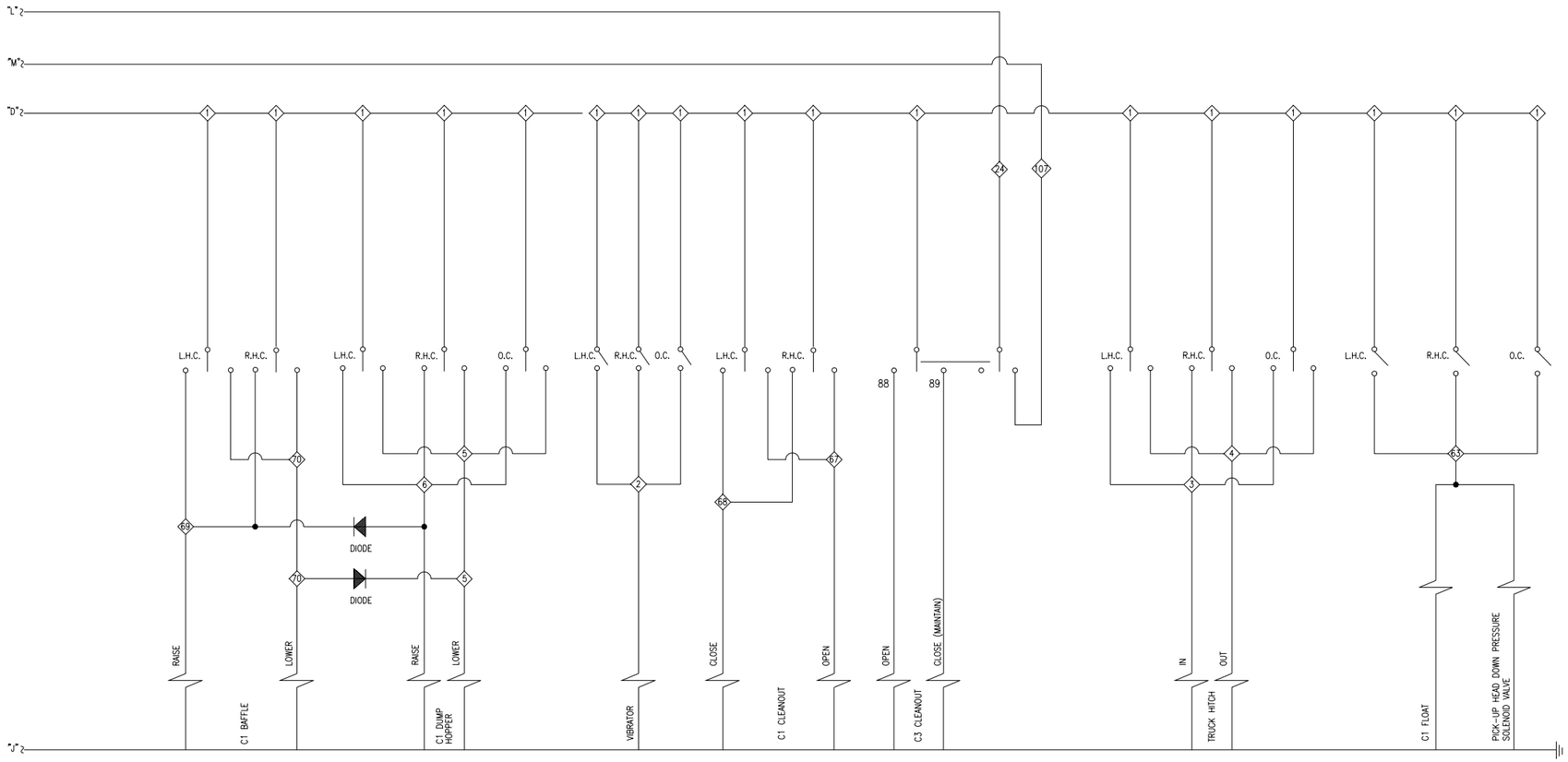
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

1 REQ'D PER	SB2500C	SHEET NO	FAB CODE	EFFECTIVE S/N
		3 OF 4	603	680

DRAWN BY	CHECKED BY	DWG NO	REV.
JHB		203522-01	0

SCALE	DATE
1=1	11-14-02



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: ELECTRICAL SCHEMATIC

1 REQ'D PER: SB2500C

SHEET NO	FAB CODE	EFFECTIVE S/N
4 OF 4	603	680

DRAWN BY	CHECKED BY	DWG NO	REV.
JHB		203522-01	0

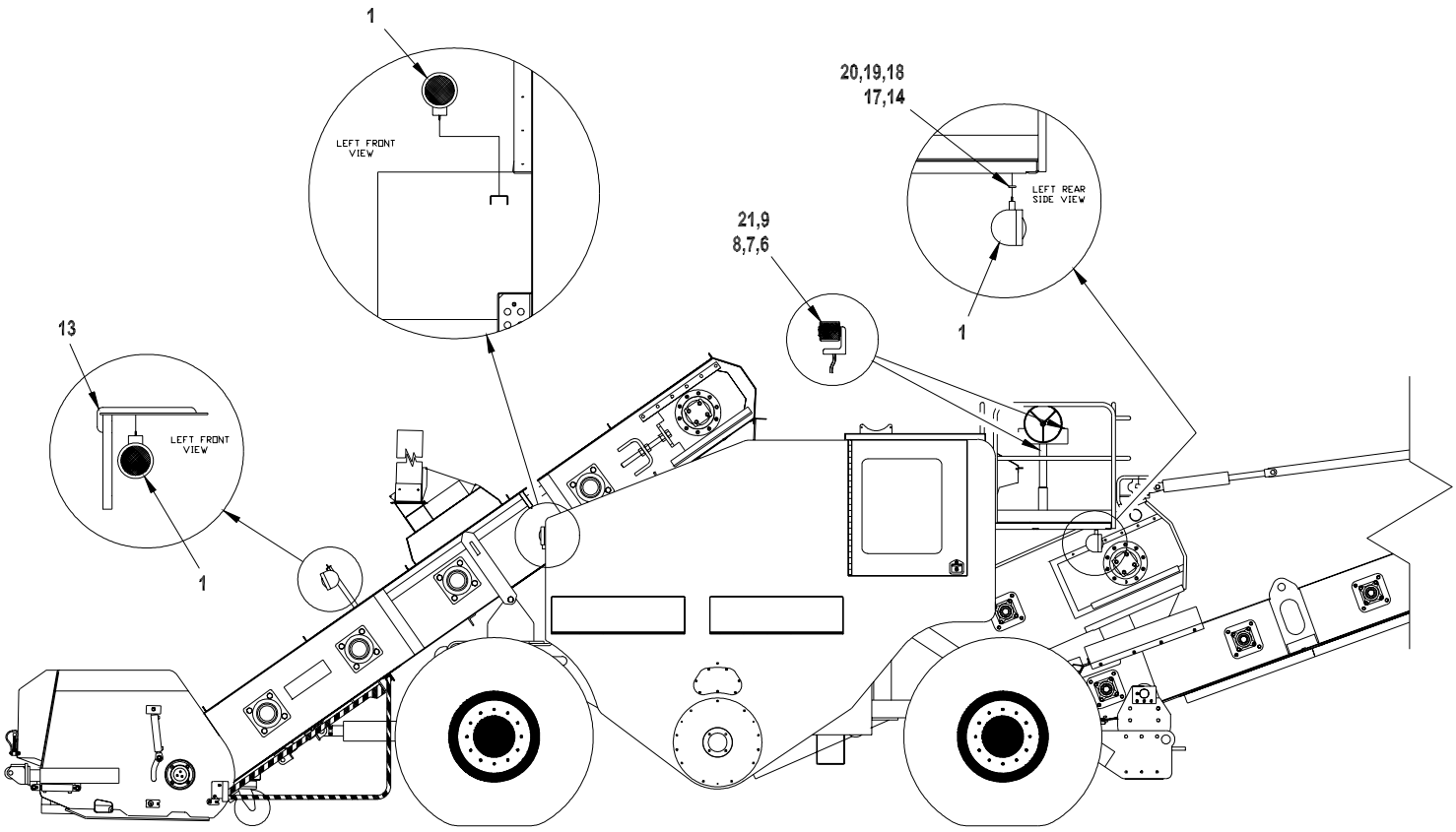
SCALE: 1=1

DATE: 11-14-02

SECTION 6 : OPTIONAL EQUIPMENT

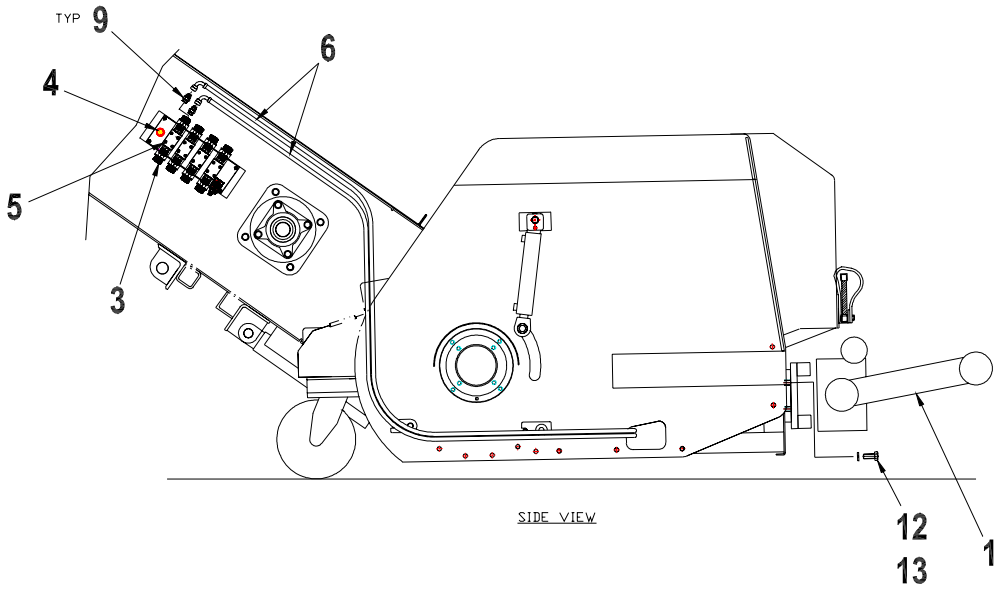
ASSEMBLY	PART NO.	S/N	PAGE NO.
12 VDC. WORKING LIGHTS	201880-01	640 & UP	6.1
TRUCK HITCH	201853-01		6.3
GENSET OUTLET EXT'N.	148267-03		6.5

12 VDC. WORKING LIGHTS OPTION
(201880-01)

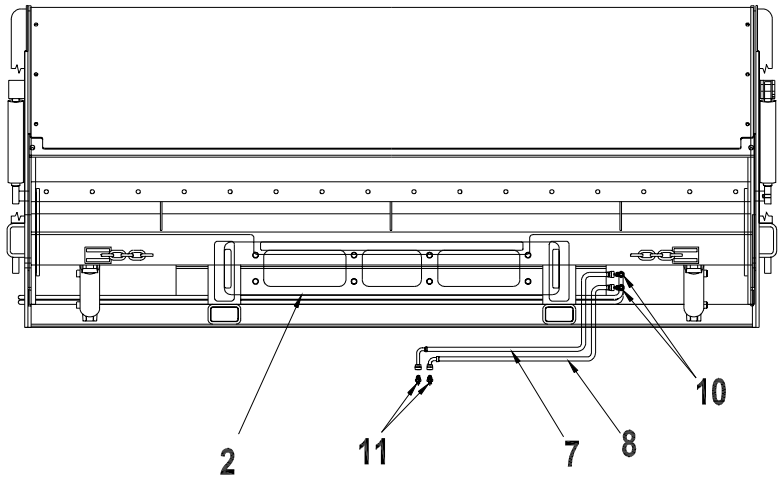


12 VDC. WORKING LIGHTS OPTION
(201880-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
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	LOCKWASHER # 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	LOCKWASHER 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 31/4 - 20 X 1/2' GD. 8	16
23	84444	FLAT WASHER 1/4" STEEL	16
24	83065	LOCKWASHER 1/4" SPRINTG STEEL	16

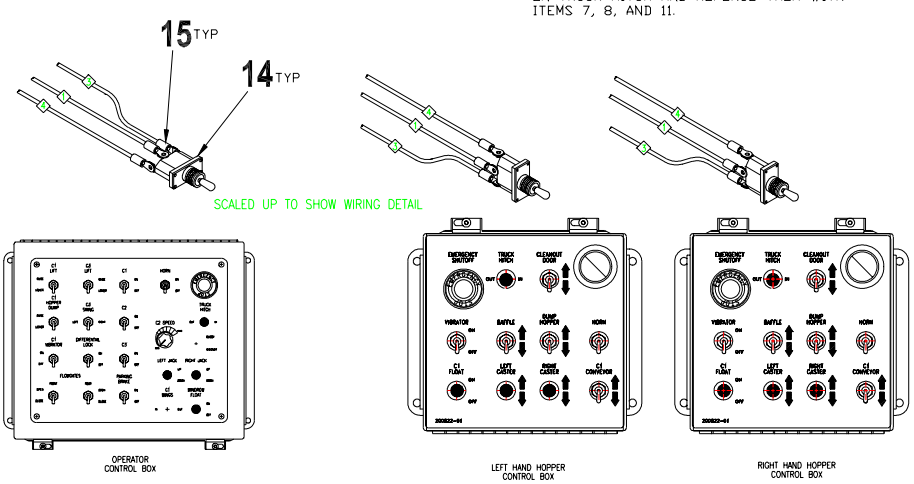


SIDE VIEW



FRONT VIEW
TRUCK HITCH NOT SHOWN

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



OPERATOR CONTROL BOX

LEFT HAND HOPPER CONTROL BOX

RIGHT HAND HOPPER CONTROL BOX

TRUCK HITCH OPTION
(201853-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
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	OO891	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

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

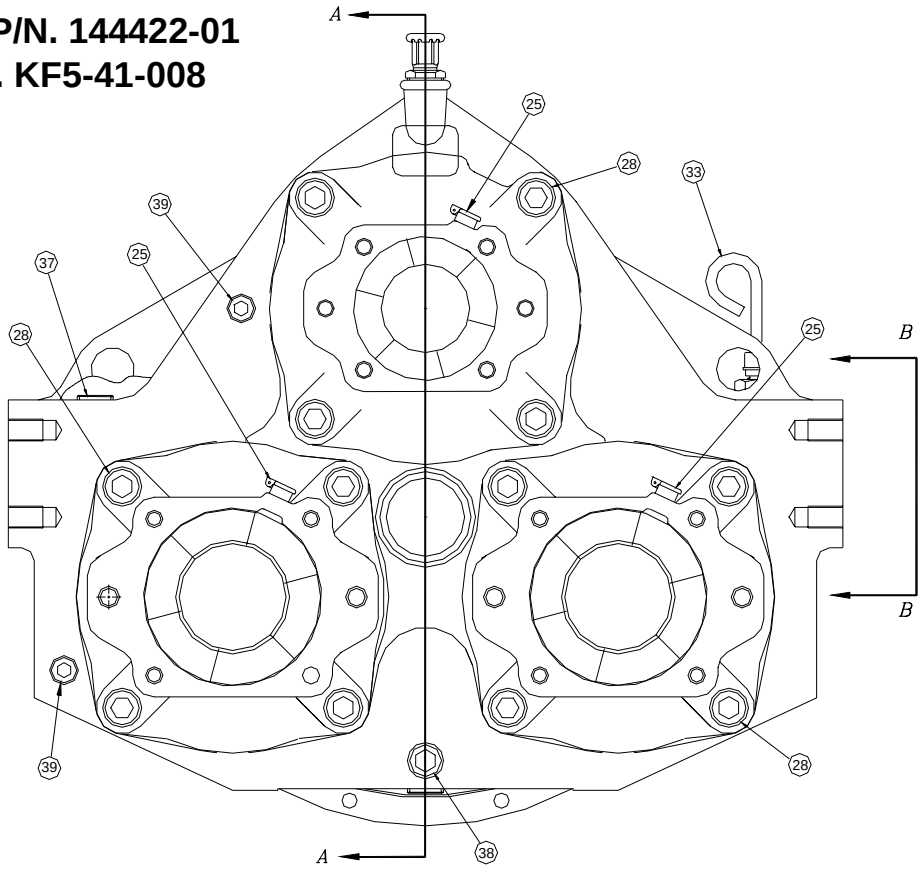
REF NO.	PART NO.	DESCRIPTION	NO. REQ’D
1	122101	FLEX CONDUIT - 3/8" SEALED X 680"	1
2	142461	FORK TERMINAL - #10 YELLOW	16
3	128940	OUTLET BOX	4
4	128939	COVER - GRAY OUTLET BOX WEATHER-PROOF	4
5	128938	DUPLEX RECEPTACLE	4
6	90554	RING TERMINAL - # 10 YELLOW	6
7	122101-C1	CONDUIT FITTING - 3/8" SEALED 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

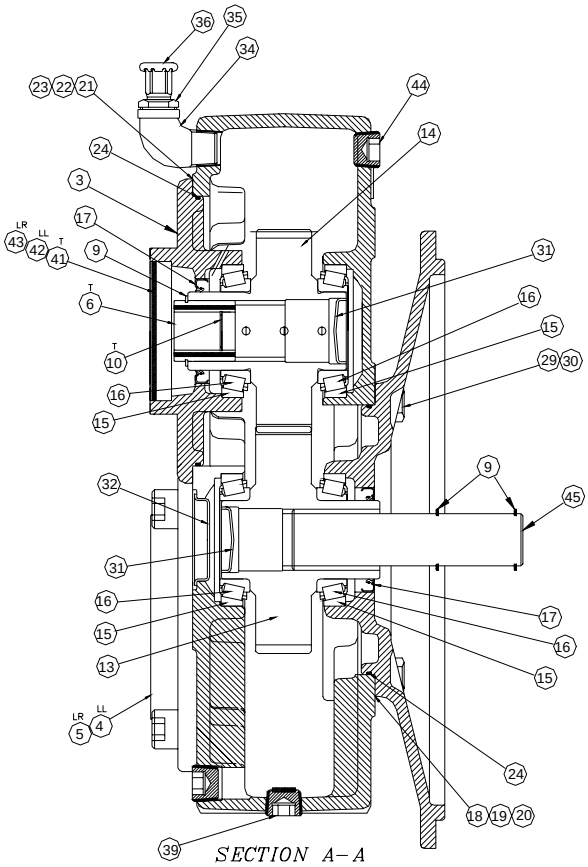
SECTION 7 : VENDOR PARTS

ASSEMBLY	PART NO.	S/N	PAGE NO.
TRIPLE PUMP DRIVE	144422-01		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
GEARBOX	141780-01		7.9
GEARBOX	145338-01		7.11
BRAKE CALIPER	142483-03		7.13
FILTER	142799-03		7.14
FILTER	29G37		7.15
FILTER	29G38		7.16
CYLINDER	144894-01		7.17
CYLINDER	144895-01		7.18
CYLINDER	144896-01		7.19
CYLINDER	144897-01		7.20
CYLINDER	144898-01		7.21
CYLINDER	144899-01		7.22
CYLINDER	144900-01		7.23
CYLINDER	144901-01		7.24
CYLINDER	93833-02		7.25
CYLINDER	97482-01		7.26
RWM CASTER WHEEL	132001-04		7.27

ROADTEC
an Astec company

ROADTEC P/N. 144422-01
DURST P/N. KF5-41-008





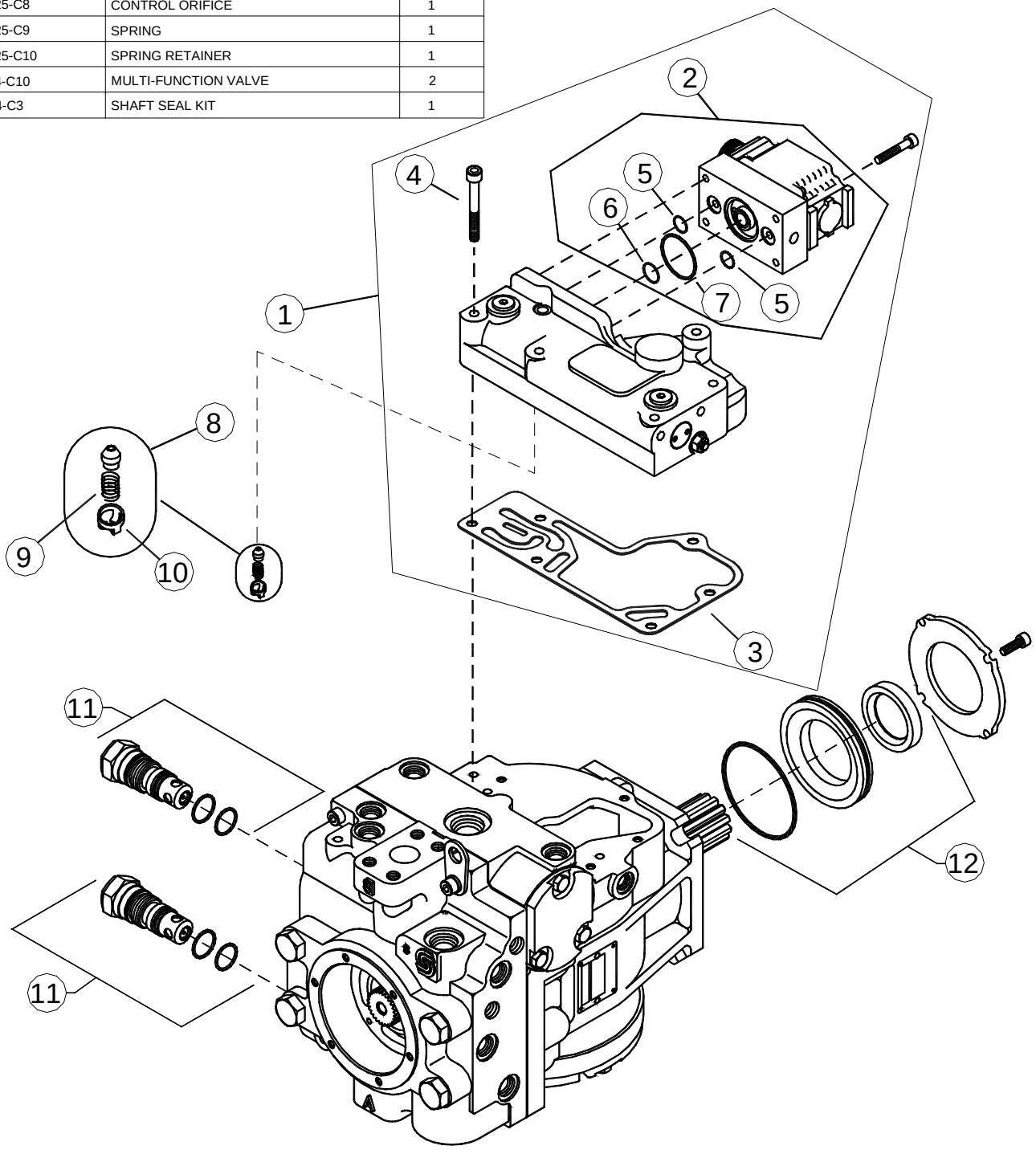
SECTION A–A

ROADTEC P/N. 144422-01
DURST P/N. KF5-41-008

ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1			
2			
3	144422-01-C2	PUMP PADS (SAE B) POS. TOP	1
4	135571-01-C5	PUMP PADS (SAE C) POS. LL	1
5	135571-01-C5	PUMP PADS (SAE C) POS. LR	1
6	144422-01-C3	SPLINE ADAPTER (SAE BB) POS. TOP	1
7			
8			
9	133781-04-C2	3 RETAINING RING - EXT.SPRING	1
10	124204-C6	1 RETAINING RING - INT.	1
11			
12			
13	123243-01-C3	GEAR, DRIVER 63 T.	1
14	124204-C22	GEAR, DRIVEN 55 T.	3
15	124204-C12	BEARING CUP TIMKEN # 382A	8
16	124204-C13	BEARING CONE TIMKEN # 387A	8
17	124204-C7	SEAL CR # 22361 HIGH TEMP.	4
18	124204-C14	SHIM .005 ALUM. (INPUT)	2
19	124204-C15	SHIM .007 ALUM. (INPUT)	2
20	135572-01-C5	SHIM .020 ALUM. (INPUT)	1
21	124204-C8	SHIM .005 ALUM. (PUMP PADS)	6
22	124204-C9	SHIM .007 ALUM. (PUMP PADS)	6
23	124204-C10	SHIM .020 ALUM. (PUMP PADS)	3
24	135571-01-C6	O-RING # 169 (PADS) (INPUT)	4
25	124204-C11	OIL CAP GITS # 00305	3
26			
27			
28		SOC. HD. CAP SCREW 3/4 - 10 UNC X 1 1/2"	12
29		HEX HD. CAP SCREW 1/2 - 13 UNC X 1 1/4"	6
30	83317	LOCKWASHER 1/2"	6
31	135573-01-C6	EXPANSION PLUG (GEARS)	4
32	124204-C21	EXPANSION PLUG (HOUSING)	1
33	135572-01-C4	DIP STICK	1
34		90 STR ELBOW 3/4 X 1/4 NPT	1
35	135572-01-C2	RED. BUSHING 3/4 X 3/8 NPT	1
36	135572-01-C3	BREATHER	1
37		PIPE PLUG 3/4" NPT SOC. HD.	1
38	144422-01-C4	PIPE PLUG 3/4" NPT SOC. HD. (MAG.)	1
39	124204-C11	PIPE PLUG 1/2" NPT SOC. HD.	3
40			1
41			1
42			1
43			1
44		PIPE PLUG 3/8 - 18 NPT HEX C'SUNK	1
45	124204-C11	SHAFT ADAPTER	1

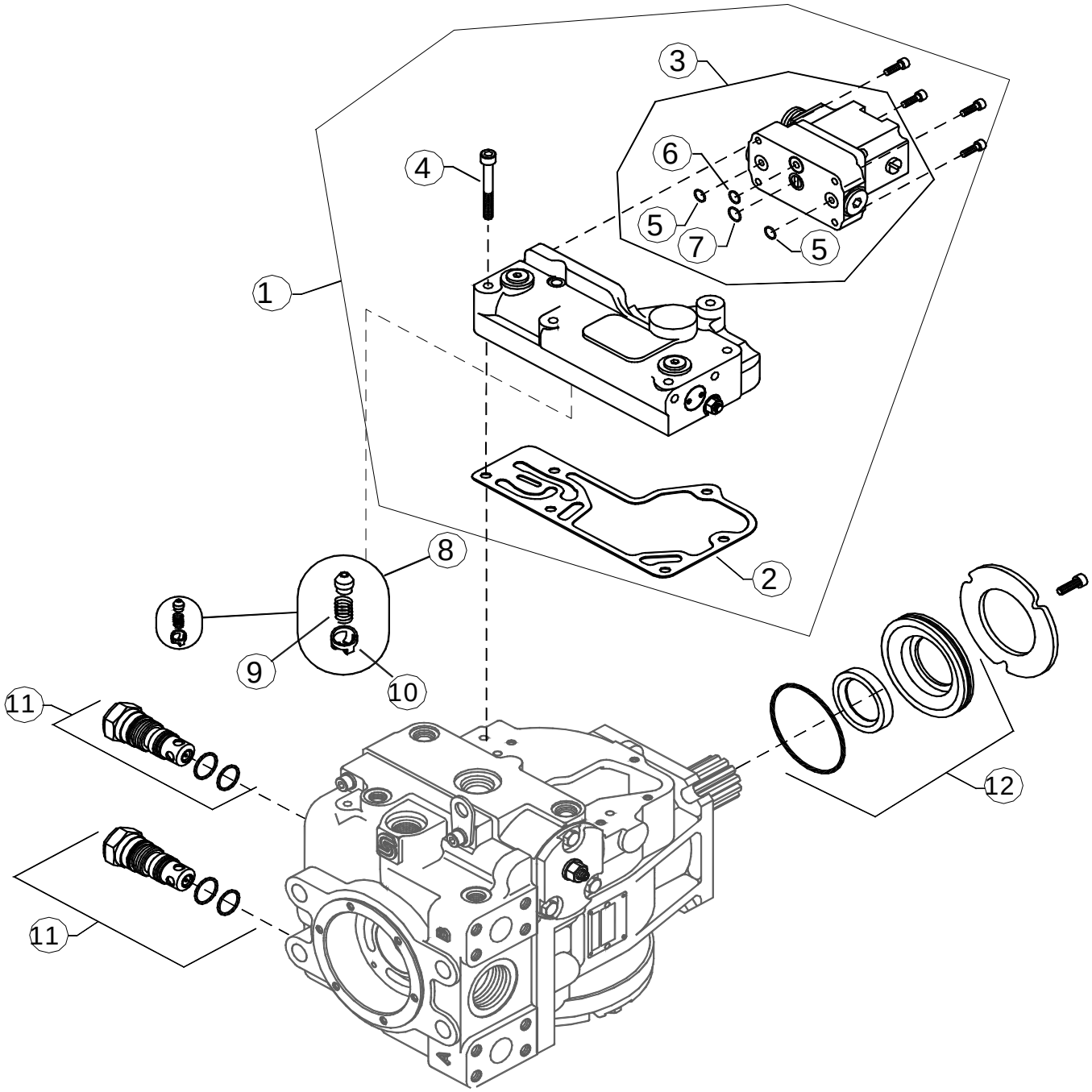
ROADTEC P/N. 99814
SAUER DANFOSS P/N. 95-2508

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



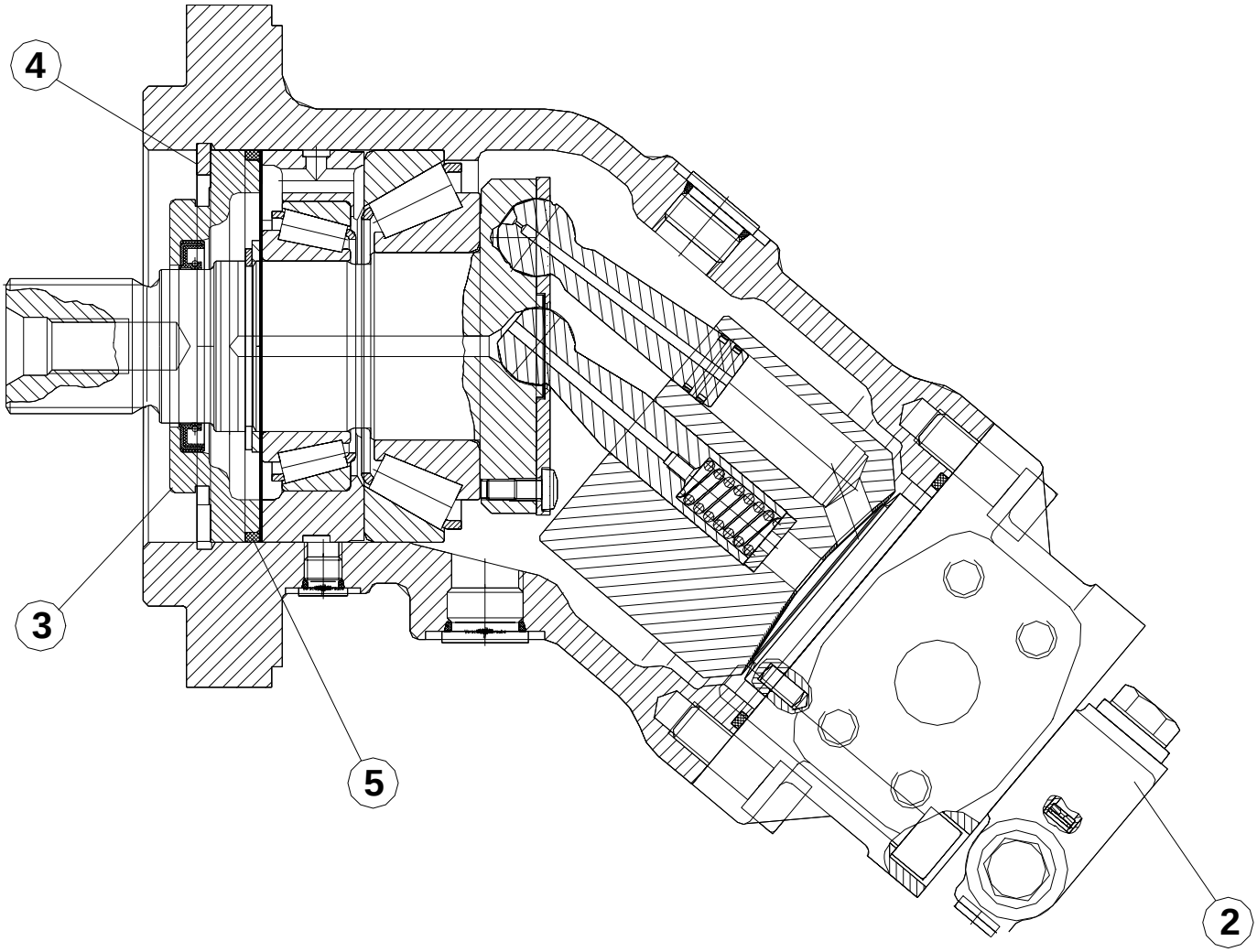
ROADTEC P/N. 29J94
SAUER DANFOSS P/N. 9521343

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



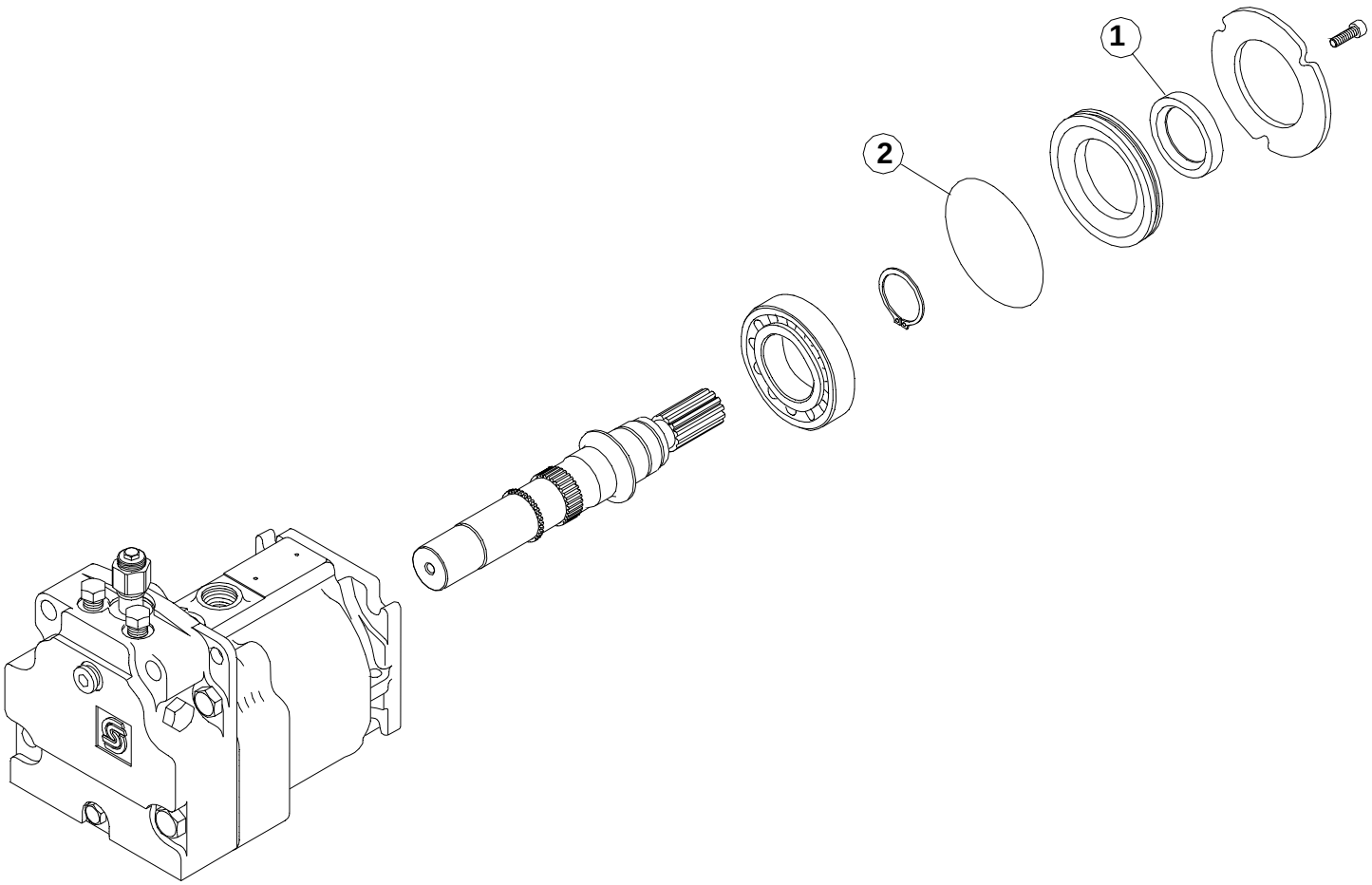
ROADTEC P/N. 137400-04
REXROTH P/N. 02030569

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



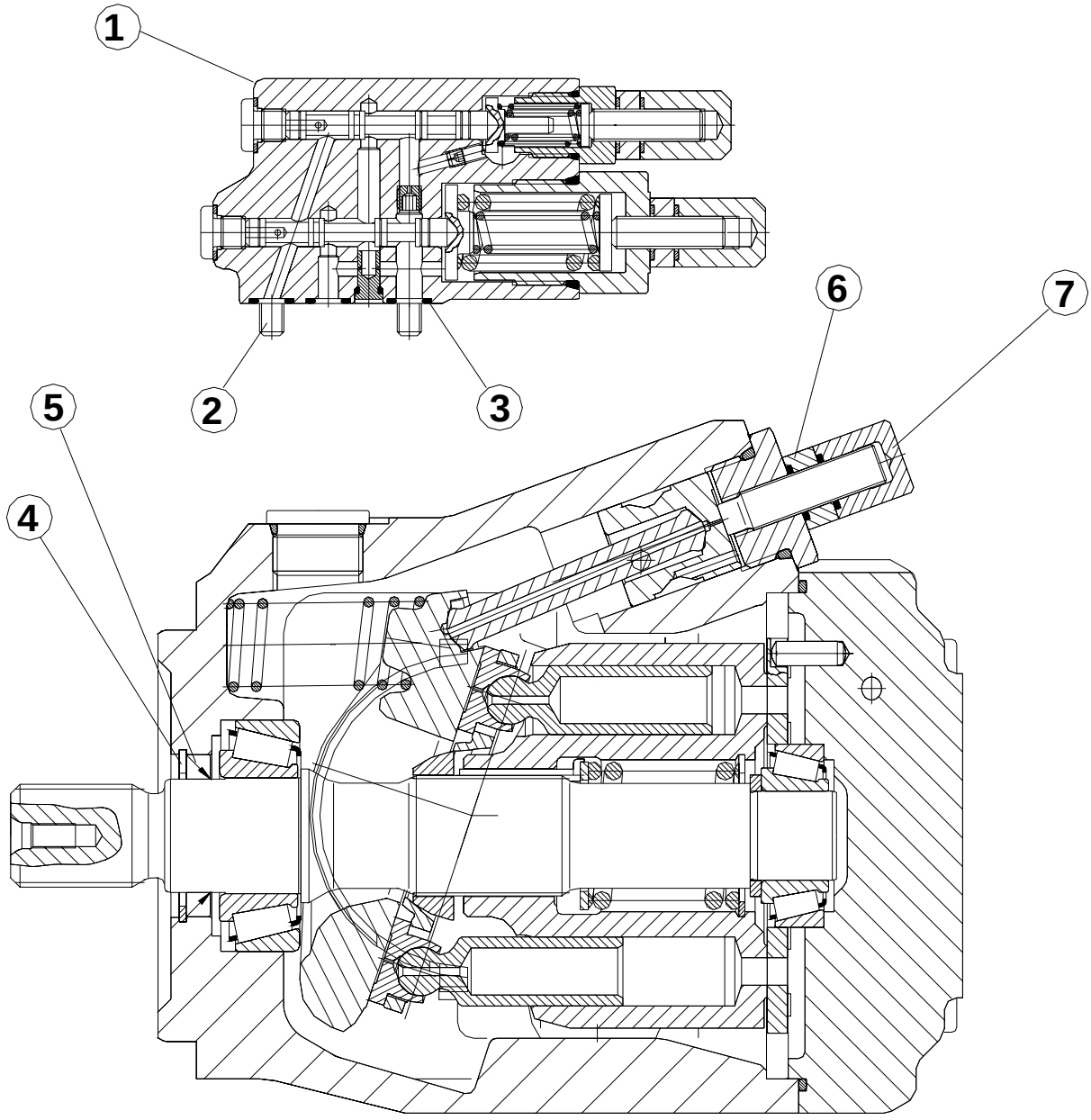
ROADTEC P/N. 91681-04
SAUER DANFOSS P/N. 94-3113

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

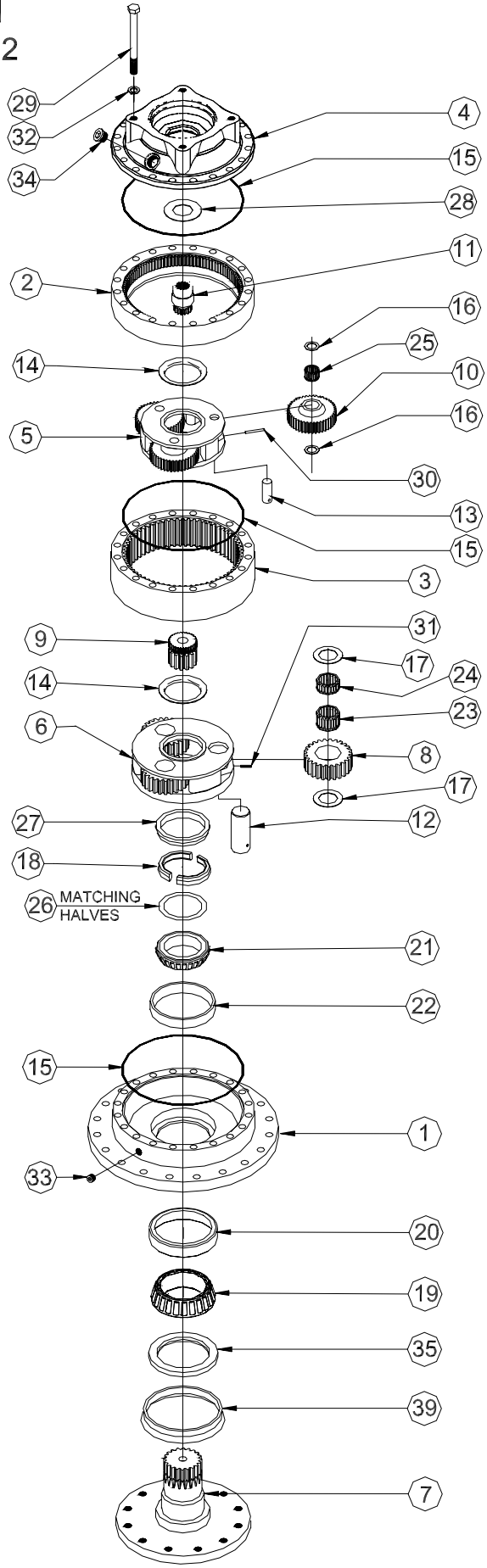


ROADTEC P/N. 128178-04
REXROTH P/N. 00978509

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



ROADTEC P/N 141780-01
ESKRIDE P/N 25-006-5192



ROADTEC P/N 141780-01
ESKRIDE P/N 25-006-5192

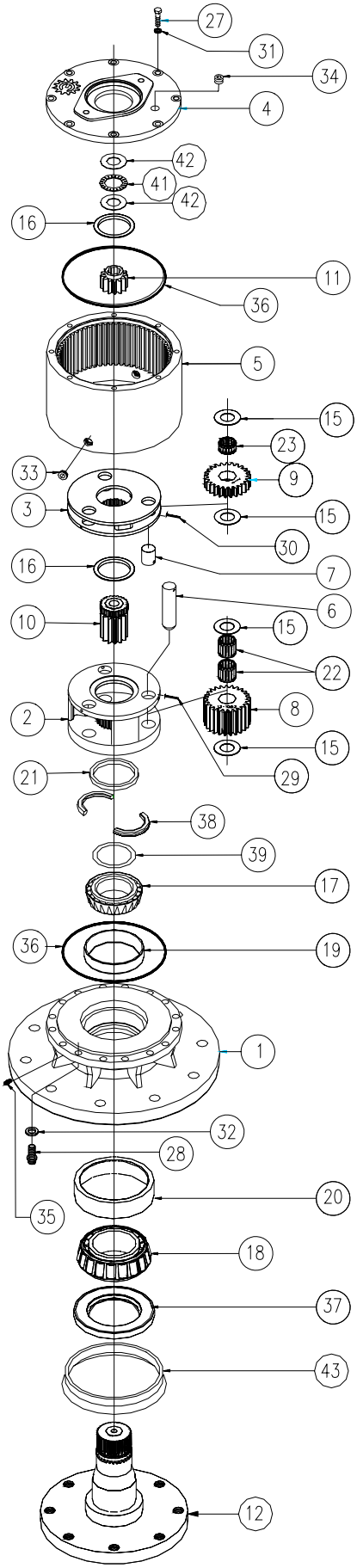
EQUIPPED WITH PATENTED "LOAD-N-LOCK®" SHAFT RETENTION SYSTEM (U.S. PATENT NO. 5746517).

ITEM	QTY	ESKRIDGE P/N	DESCRIPTION	ROADTEC P/N
1	1	25-004-3062	BASE	141780-01-C14
2	1	25-004-1012	RING GEAR - PRIMARY	141780-01-C15
3	1	25-004-1022	RING GEAR - SECONDARY	141780-01-C16
4	1	25-004-1232	COVER	141780-01-C17
5	1	25-004-1032	CARRIER - PRIMARY	141780-01-C6
6	1	25-004-1072	CARRIER - SECONDARY	141780-01-C18
7	1	25-004-4062L	OUTPUT SHAFT	141780-01-C19
8	3	25-004-1092	PLANET GEAR - SECONDARY	141780-01-C20
9	1	25-004-1152	SUN GEAR - SECONDARY	141780-01-C21
10	3	25-004-1102	PLANET GEAR - PRIMARY	141780-01-C22
11	1	25-004-1272	INPUT GEAR	141780-01-C5
12	3	25-004-1021	PLANET SHAFT - SECONDARY	141780-01-C13
13	3	25-004-1031	PLANET SHAFT - PRIMARY	141780-01-C23
14	2	25-004-1132	THRUST WASHER - CARRIER	141780-01-C2
15	3	01-402-0020	SEAL (O-RING)	137209-04-C1
16	6	81-004-1561	THRUST WASHER - PRIMARY PLANET	137208-04-C15
17	6	25-004-1041	THRUST WASHER - SECONDARY PLANET	141780-01-C24
18	1	25-004-1182	SPLIT RING-(MATCHING HALVES) LOAD-N-LOCK	141780-01-C31
19	1	01-102-0120	BEARING CONE - OUTER	137209-04-C6
20	1	01-103-0110	BEARING CUP - OUTER	137209-04-C7
21	1	01-102-0250	BEARING CONE - INNER	137209-04-C8
22	1	01-103-0250	BEARING CUP - INNER	137209-04-C9
23	3	01-105-0550	BEARING - SEC PLANET GEAR	141780-01-C8
24	3	01-105-0560	BEARING - SEC PLANET GEAR	141780-01-C9
25	3	01-105-0570	BEARING - PRI PLANET GEAR	141780-01-C10
26	*	25-004-1051	SHIM - SHAFT ADJUSTMENT	141780-01-C4
27	1	25-004-1192	LOCK RING - LOAD-N-LOCK	141780-01-C25
28	1	01-112-0030	THRUST RACE (TRD-4052)	141780-01-C1
29	20	01-150-1630	HEX HEAD CAPSCREW (5/8-11 X 7) GR 8	141780-01-C26
30	3	01-153-0020	ROLL PIN (3/16 X 1)	141780-01-C27
31	3	01-153-0190	ROLL PIN (3/16 X 1 1/4)	141780-01-C28
32	20	01-166-0040	LOCKWASHER - (5/8)	141780-01-C29
33	1	01-207-0041	PIPE PLUG (1/2 NPT MAGNETIC) - BASE	137208-04-C33
34	1	01-208-0030	PLUG - COVER	141780-01-C30
35	1	01-405-0500	SHAFT SEAL	137209-04-C2
36	-	-	-	
39	1	01-406-0050	SEAL-RUBBER/FACE 120/250 SPINDLE	137209-04-C3

* QUANTITY OF SHIMS DETERMINED BY BEARING PRELOAD.

OPTIONS SEAL KIT P/N 25-016-2031 / 141780-01-C12
INCLUDES 1 EA. OF ITEMS 35 & 39
AND A QTY 3 OF ITEM 15

ROADTEC P/N 145338-01
ESKRIDGE P/N 13-006-5352



ROADTEC P/N 145338-01
ESKRIDGE P/N 13-006-5352

ESKRIDGE MODEL 132L

EQUIPPED WITH PATENTED LOAD-N-LOCK® SHAFT RETENTION SYSTEM (U.S. PATENT NO. 5746517).

ITEM	QTY	EFFECTIVITY FROM: S/N 48032 08-01-00 TO: (CURRENT) DESCRIPTION	ESKRIDGE PART NO.	ROADTEC PART NO.
1	1	CA132L - CASE FACE SEAL CUSTOM	13-004-3042	145338-01-C1
2	1	CARRIER (SEC)	13-004-1072	145338-01-C2
3	1	CARRIER (PRI)	13-004-1042	145338-01-C3
4	1	SAE 'C' 2 BOLT & 4 BOLT W/ CODE 4	13-004-1242	142347-01-C4
5	1	RING GEAR	81-004-2362	142347-01-C1
6	3	PLANET SHAFT (SEC)	81-004-0061	137208-04-C14
7	3	PLANET SHAFT (PRI)	13-004-1021	142347-01-C7
8	3	PLANET GEAR (SEC)	13-004-1092	145338-01-C4
9	3	PLANET GEAR (PRI)	13-004-1112	145338-01-C5
10	1	SUN GEAR	13-004-1152	145338-01-C6
11	1	CODE 4 - INPUT - 14 T 12/24 DP	13-004-1352	137208-04-C30
12	1	S1 SHAFT SPINDLE	13-004-4202M	145338-01-C7
15	12	THRUST WASHER - PLANET	81-004-1561	137208-04-C15
16	2	THRUST WASHER - SECONDARY	81-004-2711	137208-04-C16
17	1	BEARING CONE	01-102-0030	137208-04-C10
18	1	BEARING CONE	01-102-0260	145338-01-C8
19	1	BEARING CUP	01-103-0030	137208-04-C11
20	1	BEARING CUP	01-103-0260	145338-01-C9
21	1	LOCK RING	81-004-8111	137208-04-C31
22	6	BEARING - SEC. PLANET	01-105-0500	137208-04-C18
23	3	BEARING - PRI. PLANET	01-105-0590	145338-01-C10
27	8	HEX HD CAPSCREW	01-150-1670	145338-01-C11
28	16	FLANGE 12-PT SCREW	01-150-1460	145338-01-C12
29	3	ROLL PIN - SEC. PLANET	01-153-0210	137208-04-C21
30	3	ROLL PIN - PRI. PLANET	01-153-0180	137208-04-C22
31	8	LOCKWASHER	01-166-0010	145338-01-C13
32	16	FLAT WASHER - HARDENED	01-166-0120	145338-01-C14
33	2	MAGNETIC PIPE PLUG	01-207-0041	137208-04-C33
34	1	MAG. PIPE PLUG 3/8 NPT 3/8 M. D.	01-207-0110	137208-04-C34
1	35	1	PIPE PLUG 1/4 NPT (SOC. HD.)	01-207-0020	145338-01-C15
36	2	O-RING	01-402-0420	137208-04-C3
37	1	SHAFT SEAL - OUTER	01-405-0690	145338-01-C16
38	1	SPLIT RING	81-004-8101	137208-04-C32
39	*	SHIMS	80-004-1151	137208-04-C24
41	1	BEARING (NTA NO. 0223)	01-112-0220	137208-04-C25
42	2	THRUST RACE (TRB NO. 2233)	01-112-0230	137208-04-C26
43	1	SEAL - RUBBER / FACE	01-406-0050	137208-04-C12

* ( ) QUANTITY DETERMINED FROM BEARING PRELOAD.

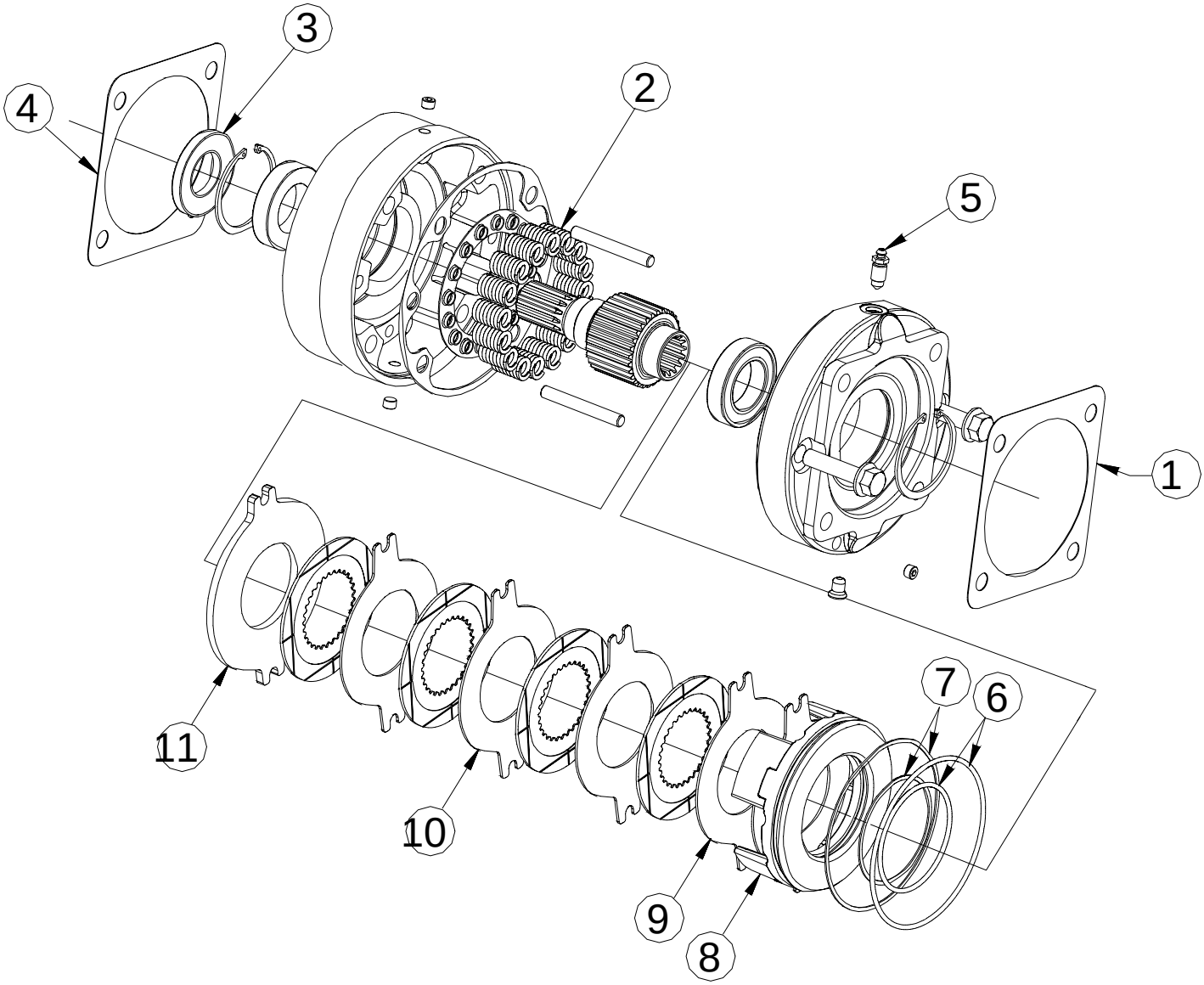
1 01-215-0040 GREASE FITTING (OPTIONAL) REPLACES ITEM NO. 35

OPTIONS:
SEAL KIT P/N 13-016-2051 (INCLUDES 2 OF ITEM 36 AND 1 EACH OF ITEMS 37 & 43).

ROADTEC an Astec company

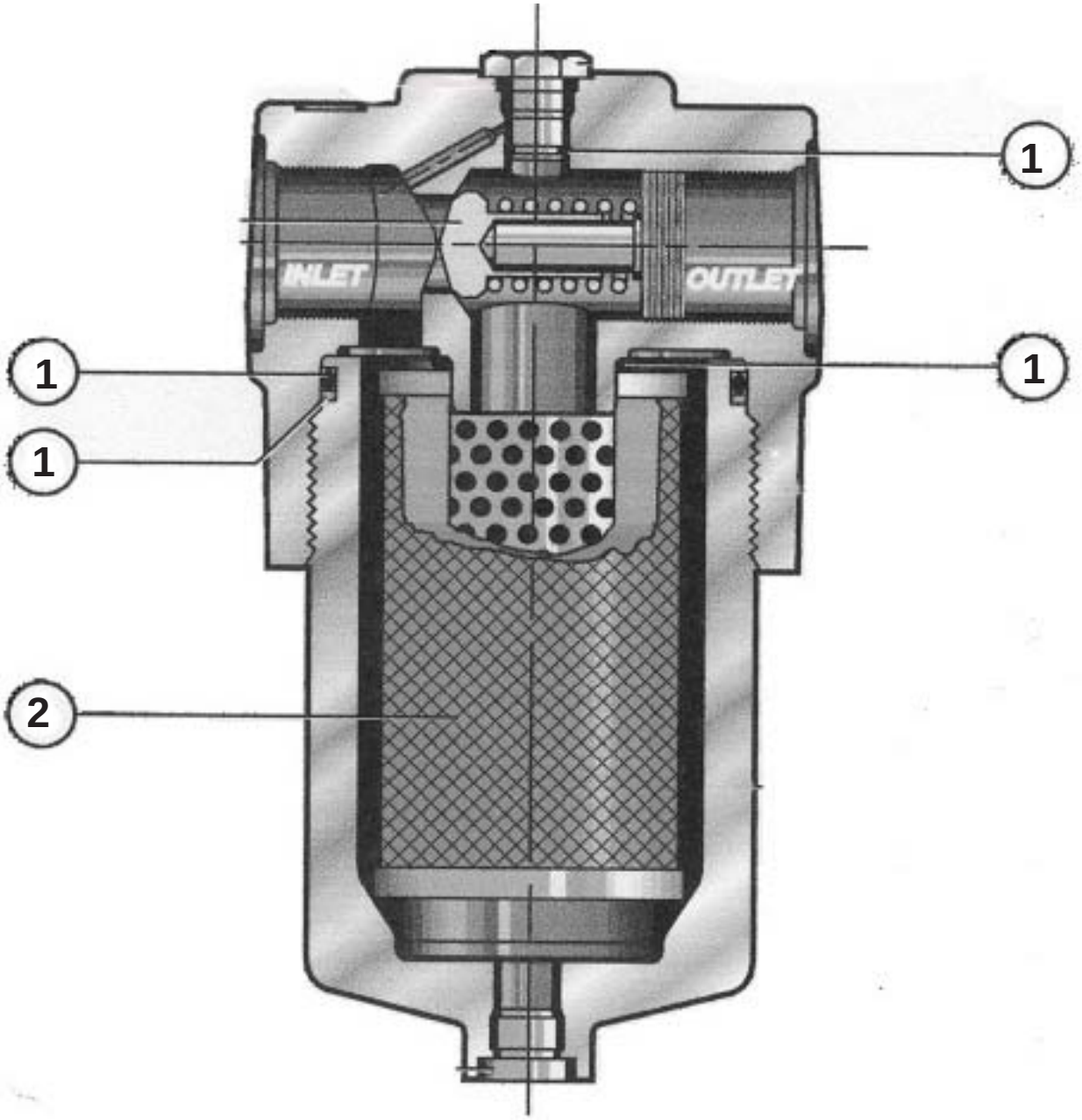
ROADTEC P/N. 142483
AUSCO P/N. 78018

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			



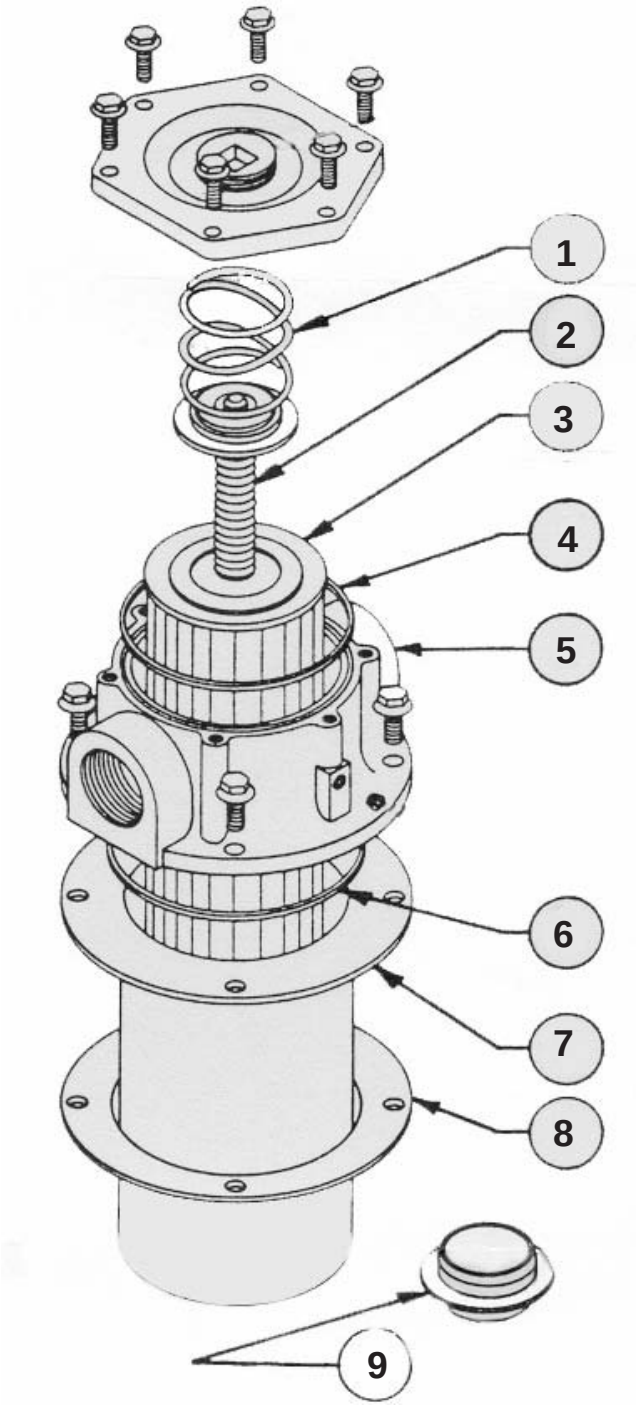
142799-03 HYDAC FILTER

ITEM	ROADTEC PART NO.	MFG. PART NO.	DESCRIPTION	QUANTITY
1	142799-03-C2	02063805	SEAL KIT	1
2	142799-03-C1	0160	ELEMENT	1



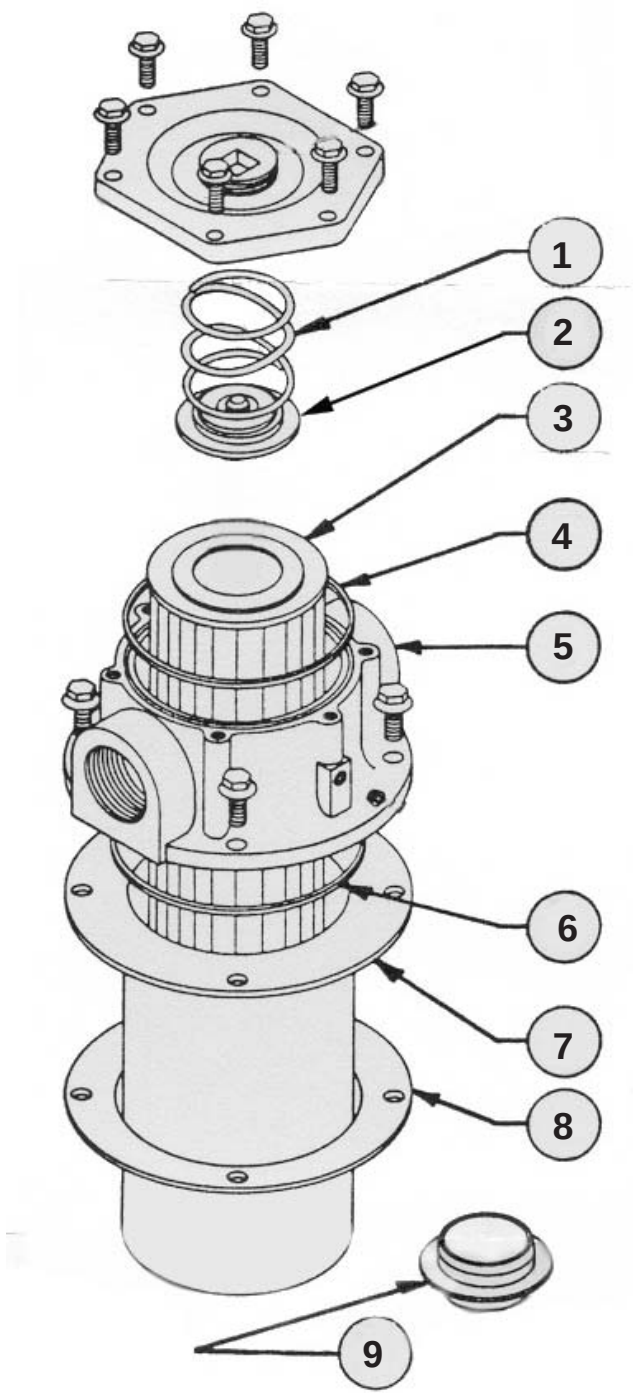
29G37 ZINGA FILTER

ITEM	QTY	DESCRIPTION	ROADTEC P/N
1	1	ELEMENT HOLD DOWN SPRING	29G37C4
2	1	15 PSI BY-PASS VALVE ASSEMBLY	29G37C7
3	2	FILTER ELEMENT	137269-04
4	1	TOP COVER SEAL (BUNA-"N")	29G37C2
5	1	PORT CASTING 1 5/8"-12 & 1 7/8"-12 (SAE 20 & 24) PORTS	29G37C6
6	1	HOUSING FLANGE SEAL (BUNA-"N")	29G37C1
7	1	SINGLE ELEMENT HOUSING	29G37C5
8	1	VELMULOID GASKET	29G37C3
9	1	ELEMENT CONNECTOR	29G37C8



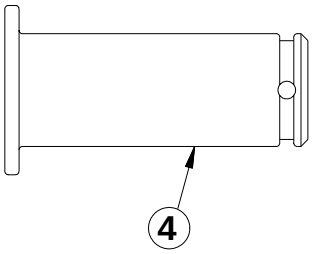
29G38 ZINGA FILTER

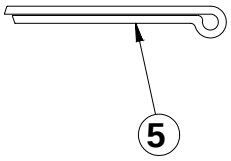
ITEM	QTY	DESCRIPTION	ROADTEC P/N
1	1	ELEMENT HOLD DOWN SPRING	29G37C4
2	1	NO BY-PASS VALVE ASSEMBLY	29G38C1
3	2	FILTER ELEMENT	29G40
4	1	TOP COVER SEAL (BUNA-"N")	29G37C2
5	1	PORT CASTING 1 5/8"-12 & 1 7/8-12 (SAE 20 & 24)PORTS	29G37C6
6	1	HOUSING FLANGE SEAL (BUNA-"N")	29G37C1
7	1	SINGLE ELEMENT HOUSING	29G37C5
8	1	VELMULOID GASKET	29G37C3
9	1	ELEMENT CONNECTOR	29G37C8

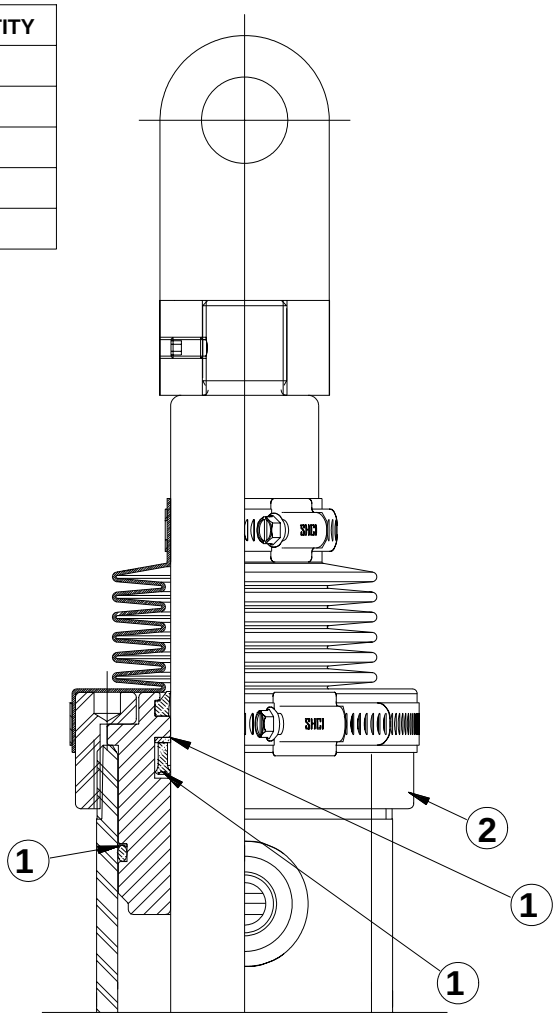


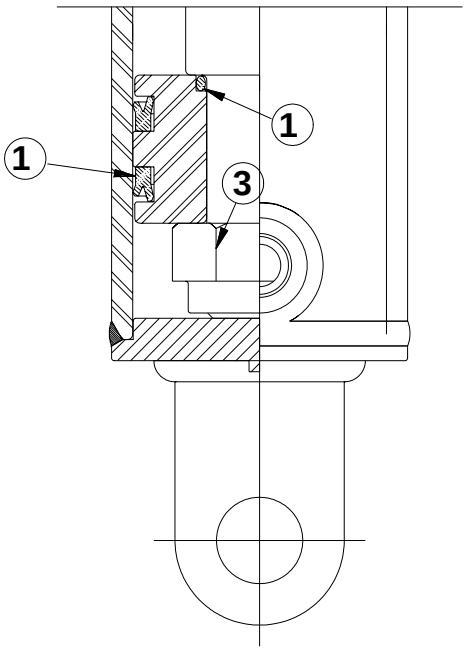
ROADTEC P/N. 144894-01
SOUTHERN HYD. P/N. 3017050

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



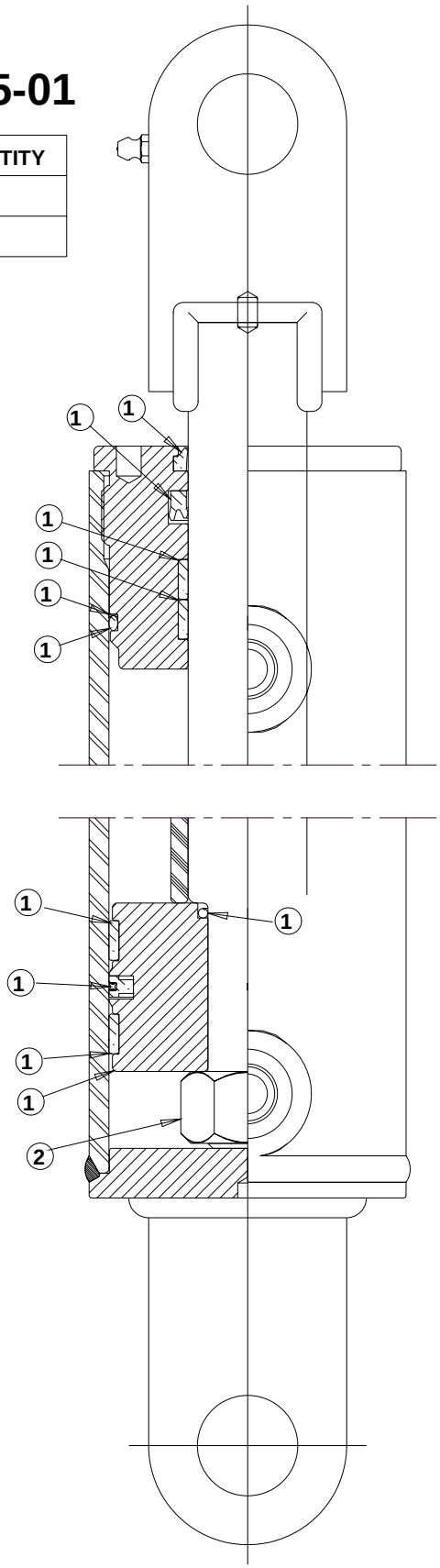






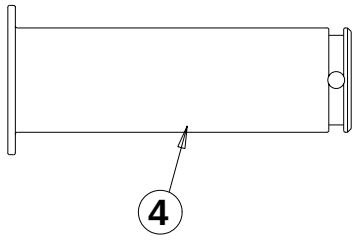
ROADTEC P/N. 144895-01
SOUTHERN HYD. P/N. 3515082-144895-01

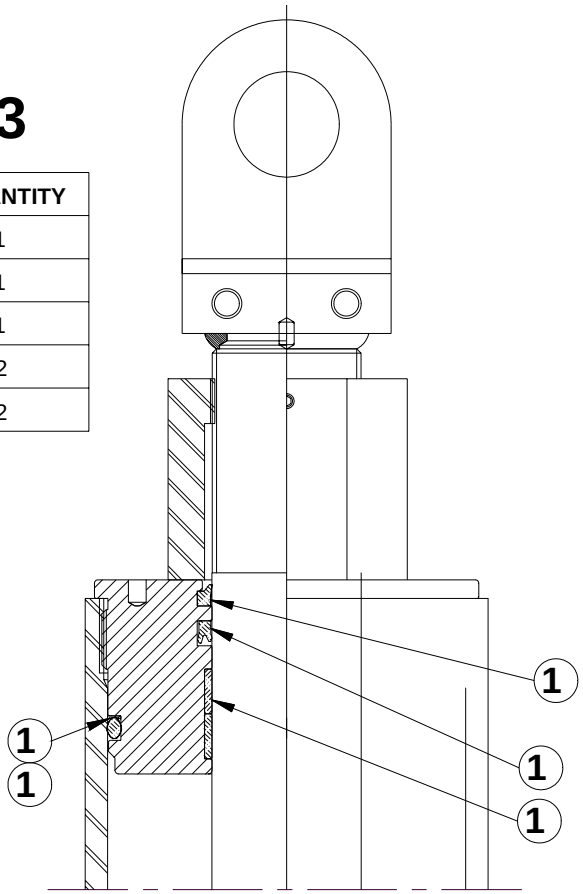
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144895-01-	SEAL KIT	1
2	144895-01-C2	LOCKNUT	1

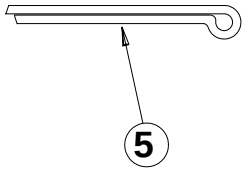


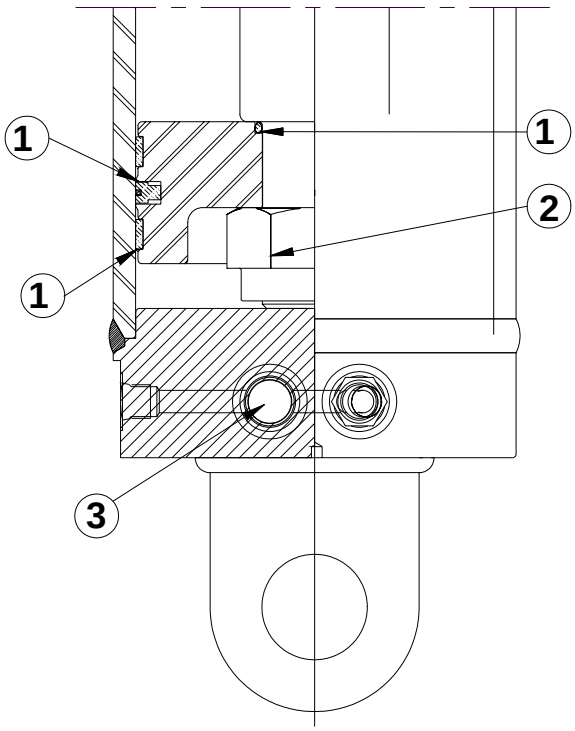
ROADTEC P/N. 144896-01
SOUTHERN HYD. P/N. 6025203

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



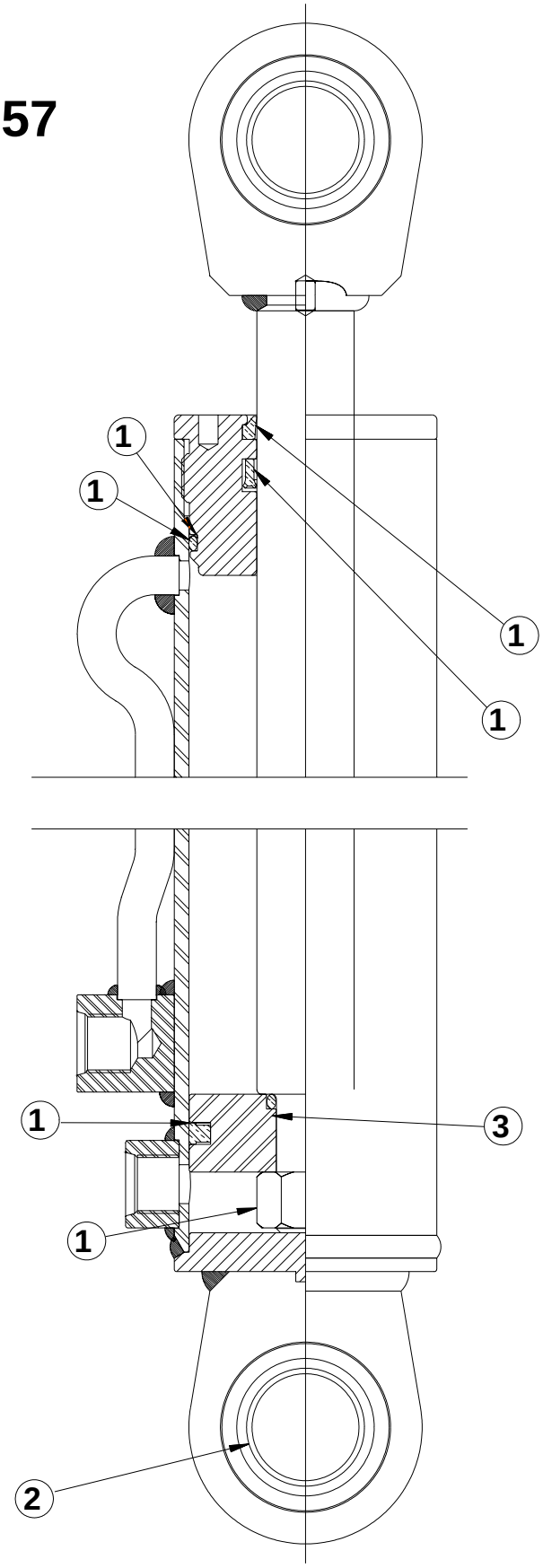






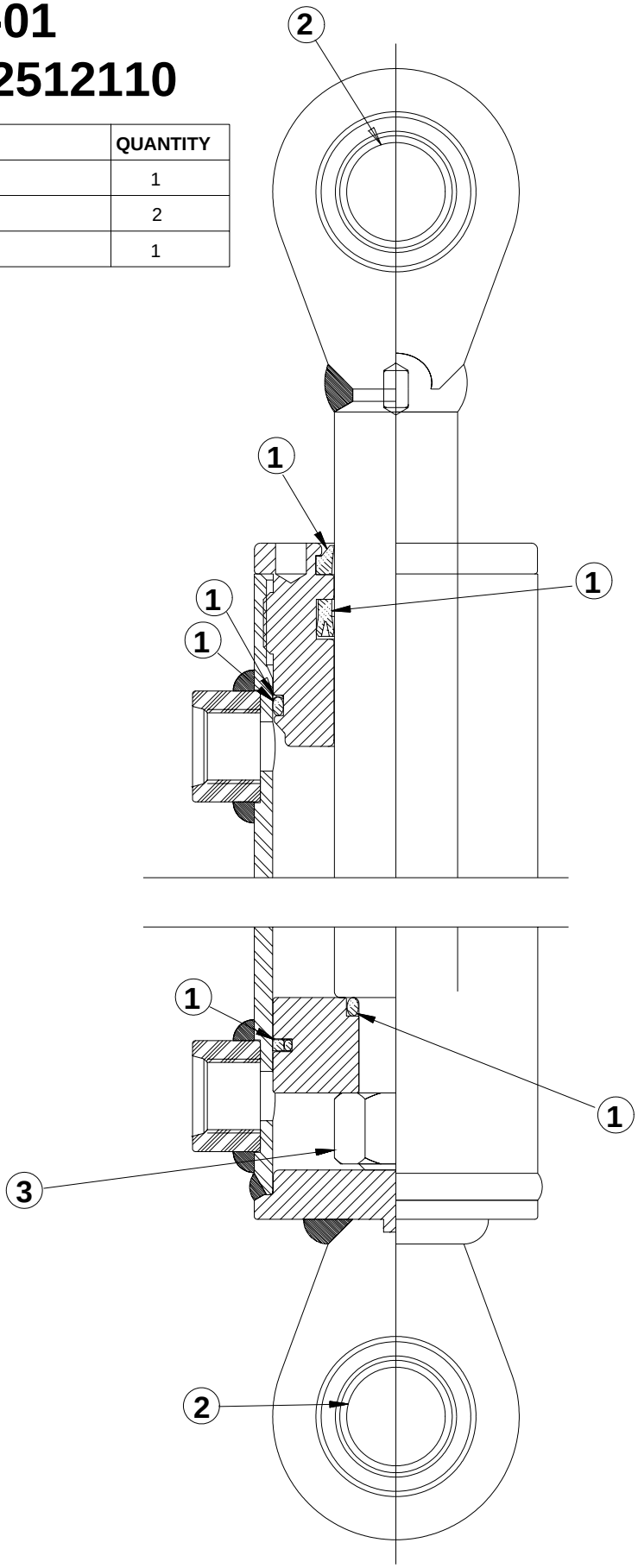
ROADTEC P/N. 144897-01
SOUTHERN HYD. P/N. 3012157

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



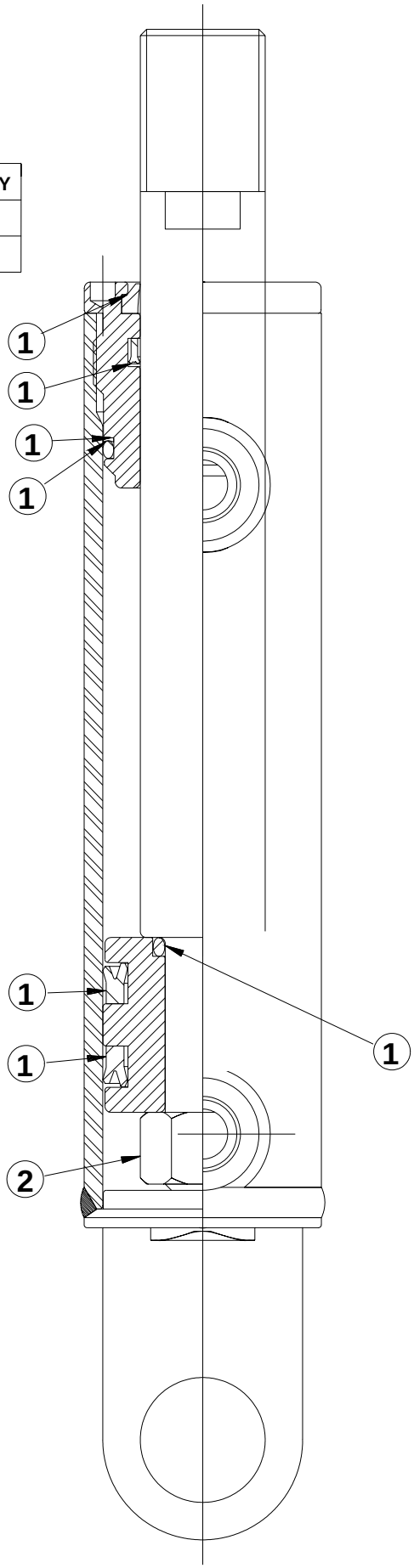
ROADTEC P/N. 144898-01
SOUTHERN HYD. P/N. 2512110

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



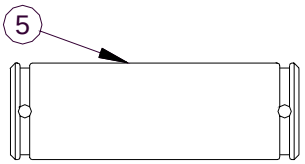
ROADTEC P/N. 144899-01
SOUTHERN HYD. P/N. 2012045

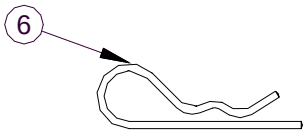
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144899-01-C1	SEAL KIT	1
2	97482-01-C8	3/4" LOCK NUT	1



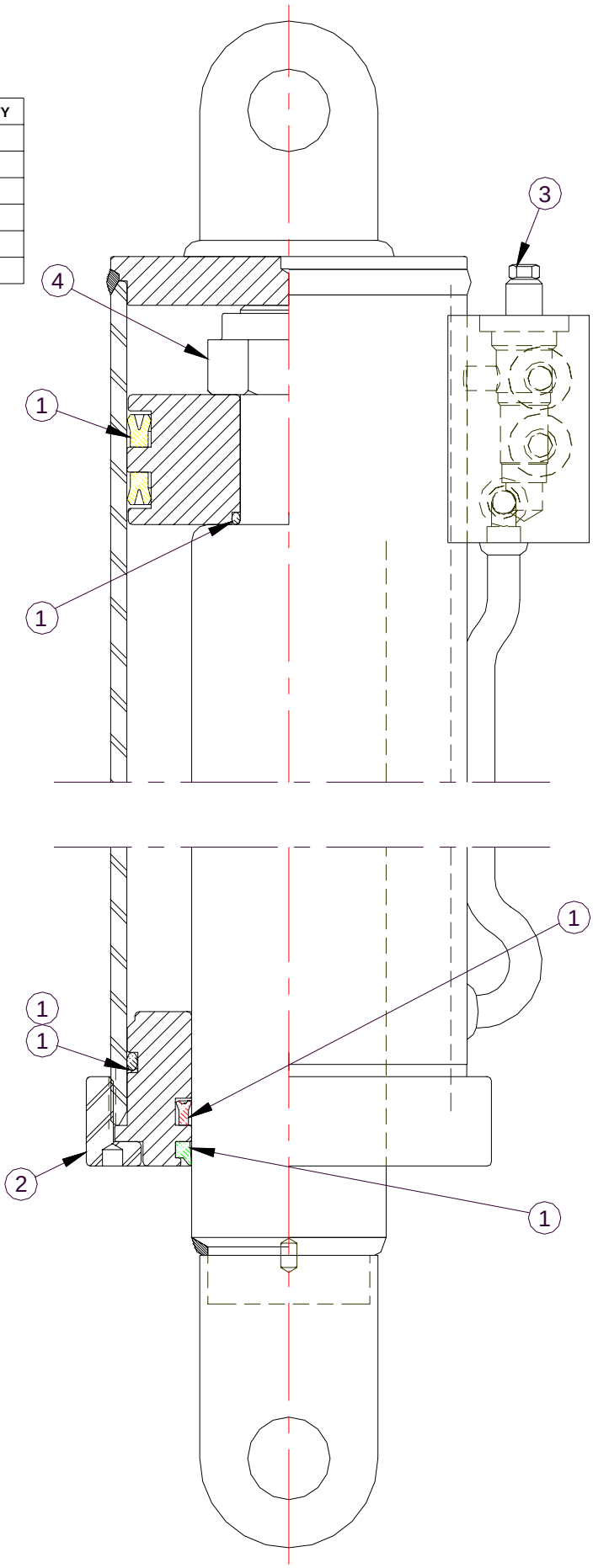
ROADTEC P/N. 144900-01
SOUTHERN HYD. P/N. 5030260

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



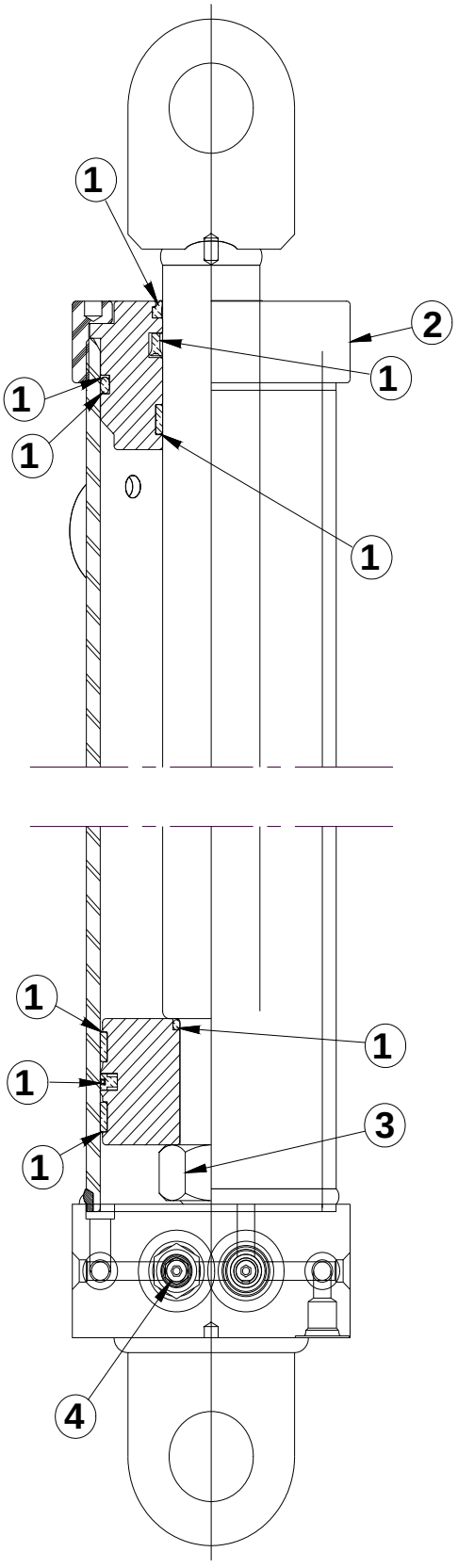


12/F



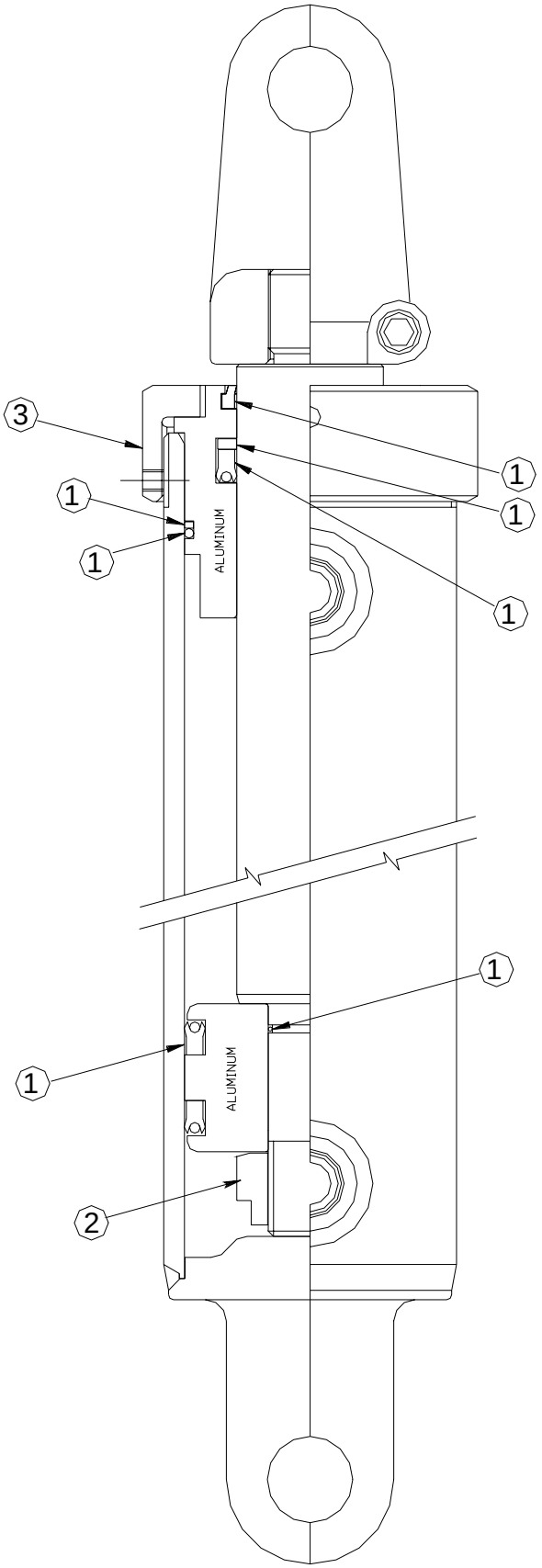
ROADTEC P/N. 144901-01
SOUTHERN HYD. P/N. 4017210

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



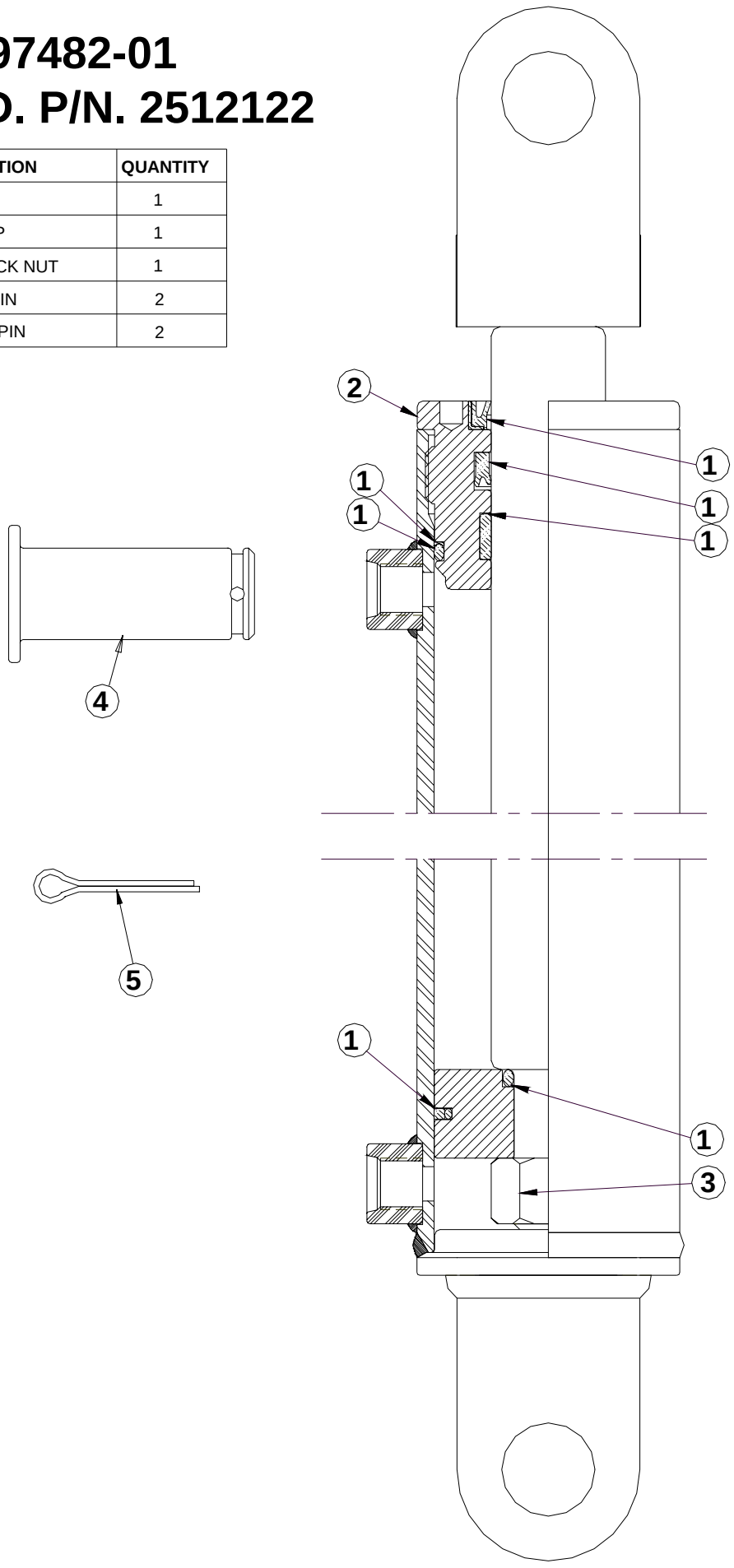
ROADTEC P/N. 93833-02
TEXAS HYD. P/N. TH3008028CA

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



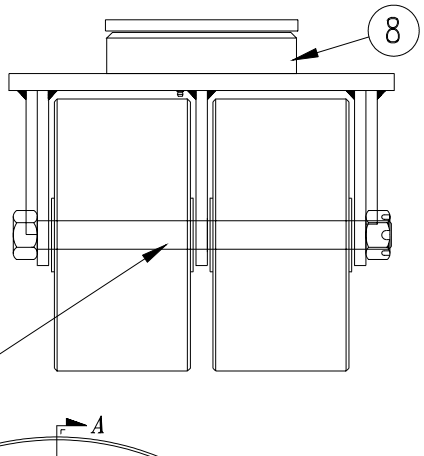
ROADTEC P/N. 97482-01
SOUTHERN HYD. P/N. 2512122

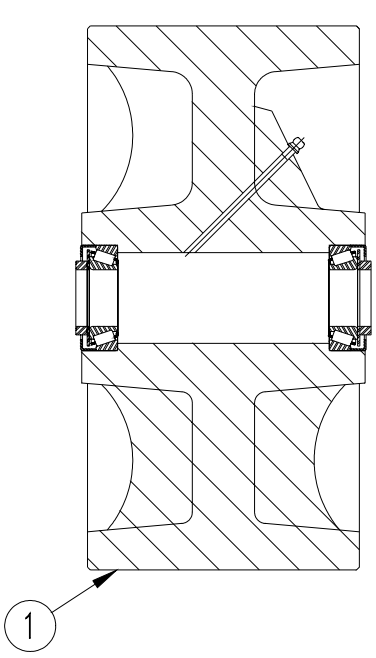
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144894-01-C1	SEAL KIT	1
2	125383-04-C2	HEADCAP	1
3	97482-01-C8	1-1/4" LOCK NUT	1
4	97482-01-C5	CLEVIS PIN	2
5	128592	COTTER PIN	2

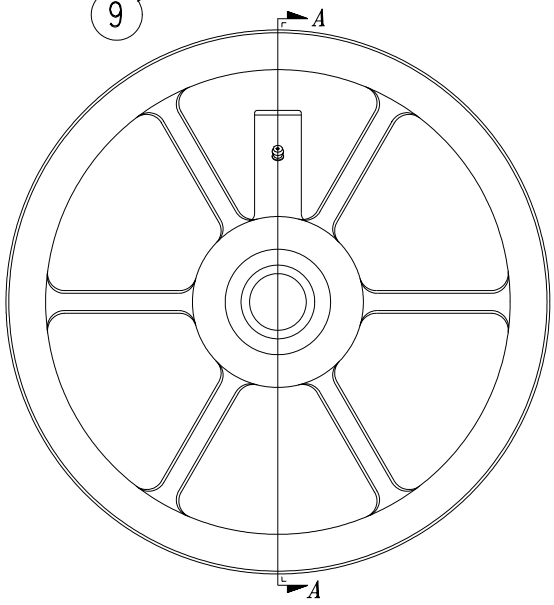


ROADTEC P/N 132001-04
RWM P/N PSB-100-F-15

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*

