ROADTEC SB-2500C MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 204469-J
S/N. 808-819
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ROADTEC
an Astec company

HOW TO ORDER PARTS

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

1. YOUR COMPANY'S NAME AND PURCHASE ORDER NUMBER.
2. NAME AND ADDRESS OF PERSON OR PLACE TO WHOM PARTS ARE TO BE SHIPPED.
3. METHOD OF SHIPMENT. (MOTOR FREIGHT, 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

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.:

MATERIAL TRANSFER VEHICLE SPECIFICATIONS

VEHICLE TYPE	SB-2500C
ENGINE TYPE	JOHN DEERE
ENGINE MAKE	6081HF
HORSE POWER	275 HP
WEIGHT	75,500 LBS 34,246 KG
SHIPPING LENGTH	56' 2" 17.1 M
OPERATING LENGTH	52' 9" 16.08 M
SHIPPING HEIGHT	12' 3.65 M
OPERATING HEIGHT	16' 4.87 M
WIDTH	10' 4" 3.14 M
WHEEL BASE	14' 4" 172 M
STORAGE CAPACITY	25 TONS 22.7 M TONS
FUEL CAPACITY	140 GAL 529 L
COOLING SYSTEM CAPACITY	13 GAL 49.2 L
HYDRAULIC TANK CAPACITY	114 GAL 431.5 L
TIRE SIZE	21 x 25 53.3mm x 635mm
MAX WORKING SPEED	3.0 MPH 4.8 KPH
MAX TRAVEL SPEED	9 MPH 14.5 KPH

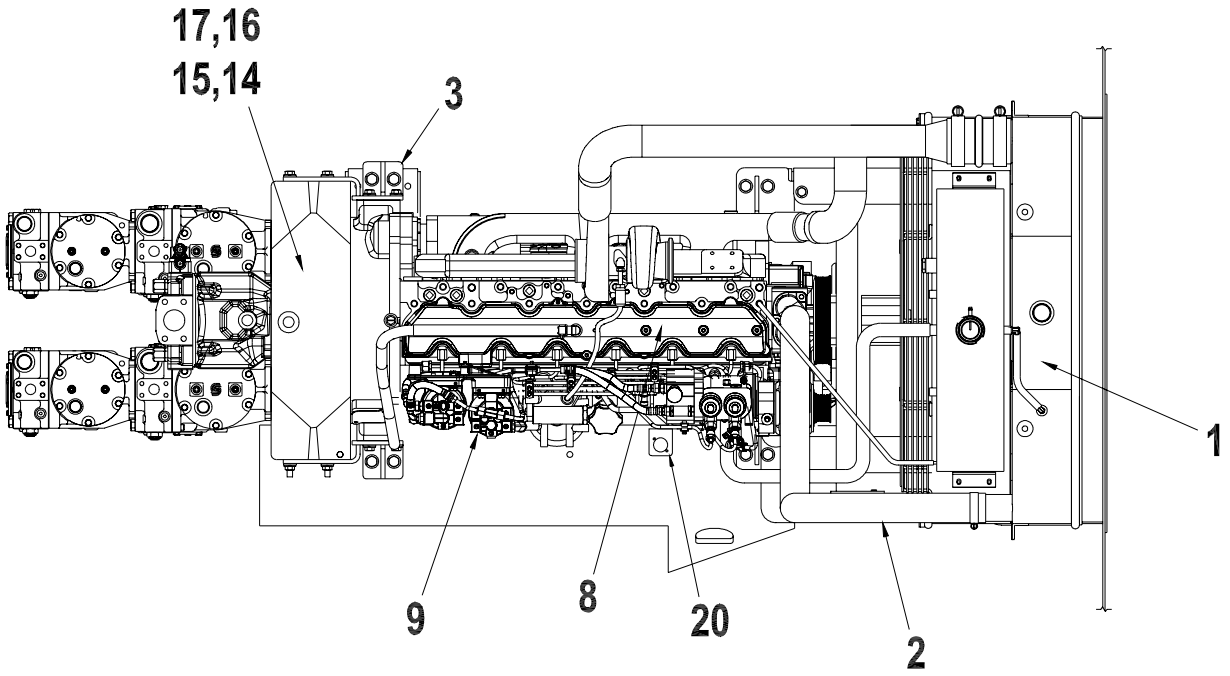
SECTION 1 : ENGINE

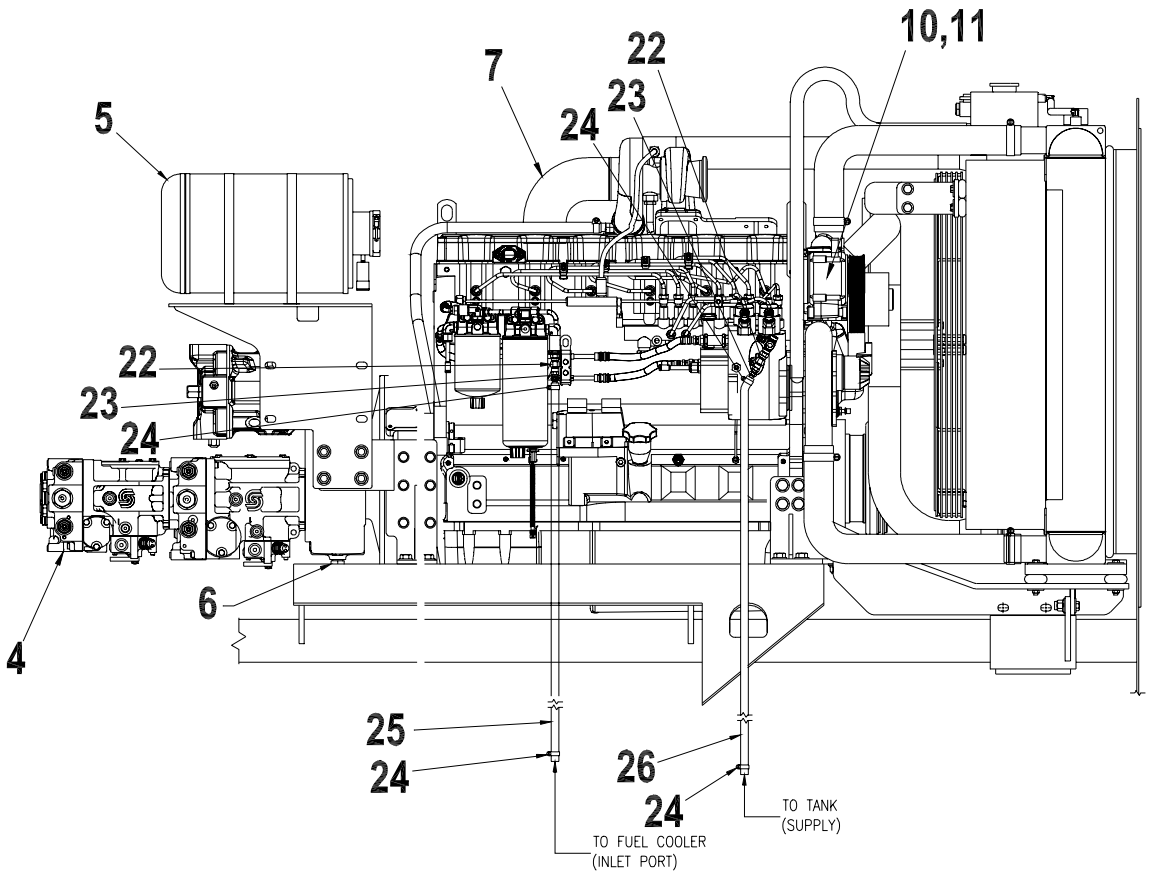
ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE	214565-01	812 & UP	1.1
ENGINE	211361-01	808-811	1.3
RADIATOR	204109-01		1.5
AIR INTAKE	204212-01		1.9
EXHAUST	207610-01		1.11
PUMPS	147059-01		1.15
CHARGE AIR / RADIATOR HOSE	204156-01		1.17
DURST OIL DRAIN	142903-01		1.19

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SB-2500C ENGINE ASSEMBLY

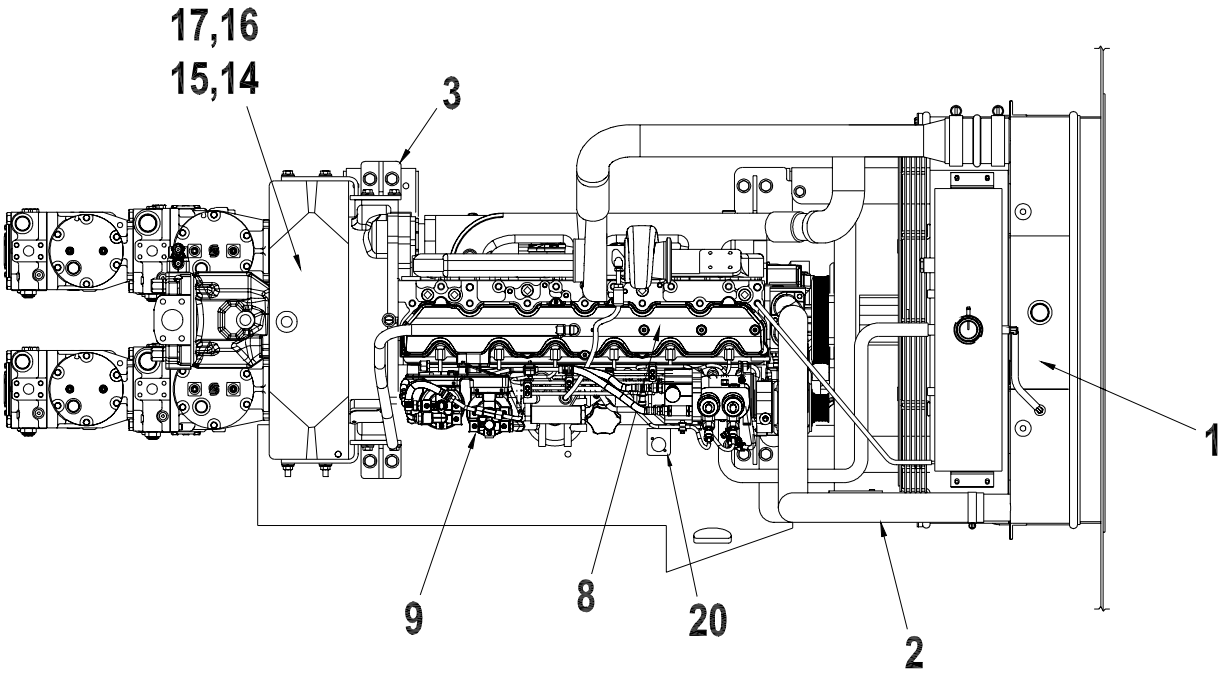
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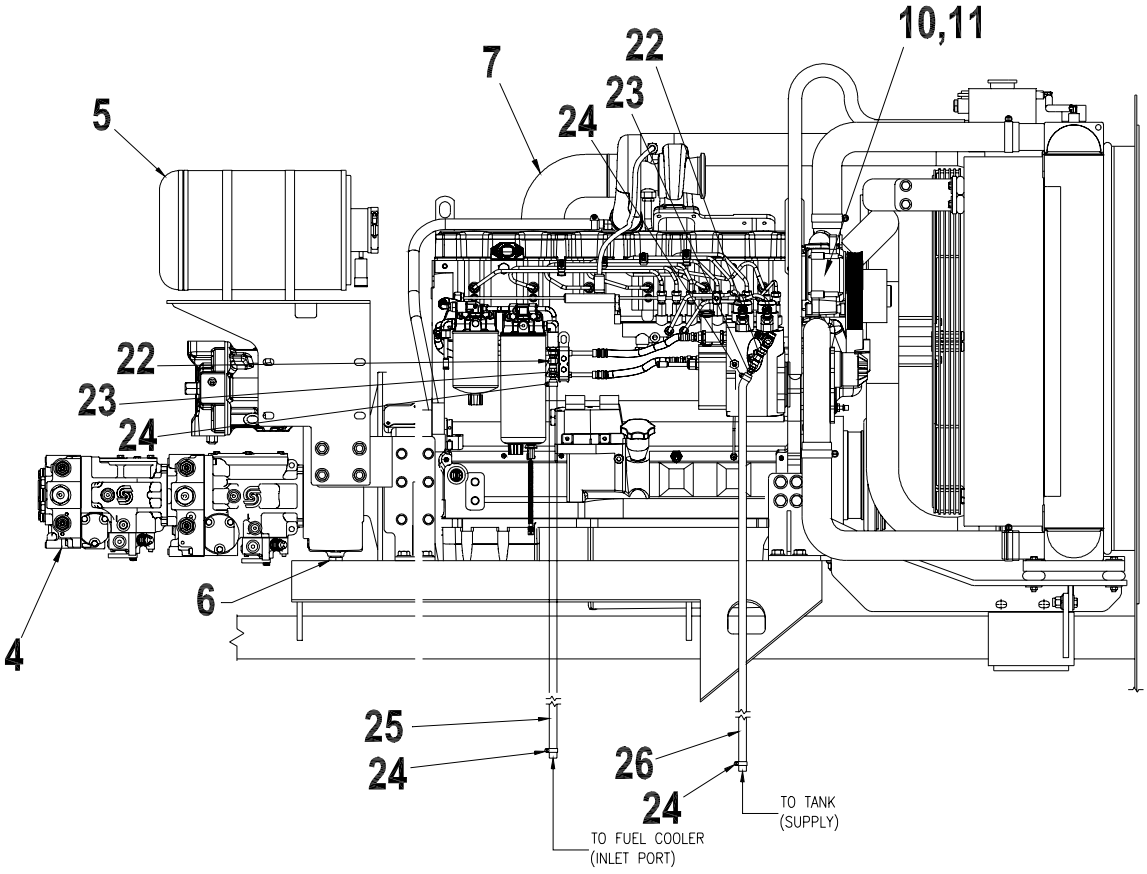




SB-2500C ENGINE ASSEMBLY
(214565-01)

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	214564-01	AIR INTAKE	1
6	142903-01	DURST OIL DRAIN	1
7	207610-01	EXHAUST	1
8	140613	TURBO BLANKET KIT	1
9	211359-03	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	LOCK WASHER - 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	139741-04	CENTER LOCK NUT - 1/2-13 GR8	1
22	211299-04	FIT - 3/8" FLAT FACE X 3/8" JIC M	2
23	211298-04	FIT - 3/8" JIC SW F X 6 MALE BARB	2
24	45228	CLAMP - 1/2" HOSE	4
25	80132-04	HOSE - 3/8" FUEL (INCHES)	64.0
26	80132-04	HOSE - 3/8" FUEL (INCHES)	84.5
27	20K38	CLAMP - 1 1/4" ID X 9/16" WIDTH	2
28	16P29	CLAMP - HOSE (1/2" BOLT)	2
29	206638-04	HEX BOLT - 1/2-13 X 6" GR8	1
30	96475	HEX BOLT - 3/8-16 X 2"	2


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2

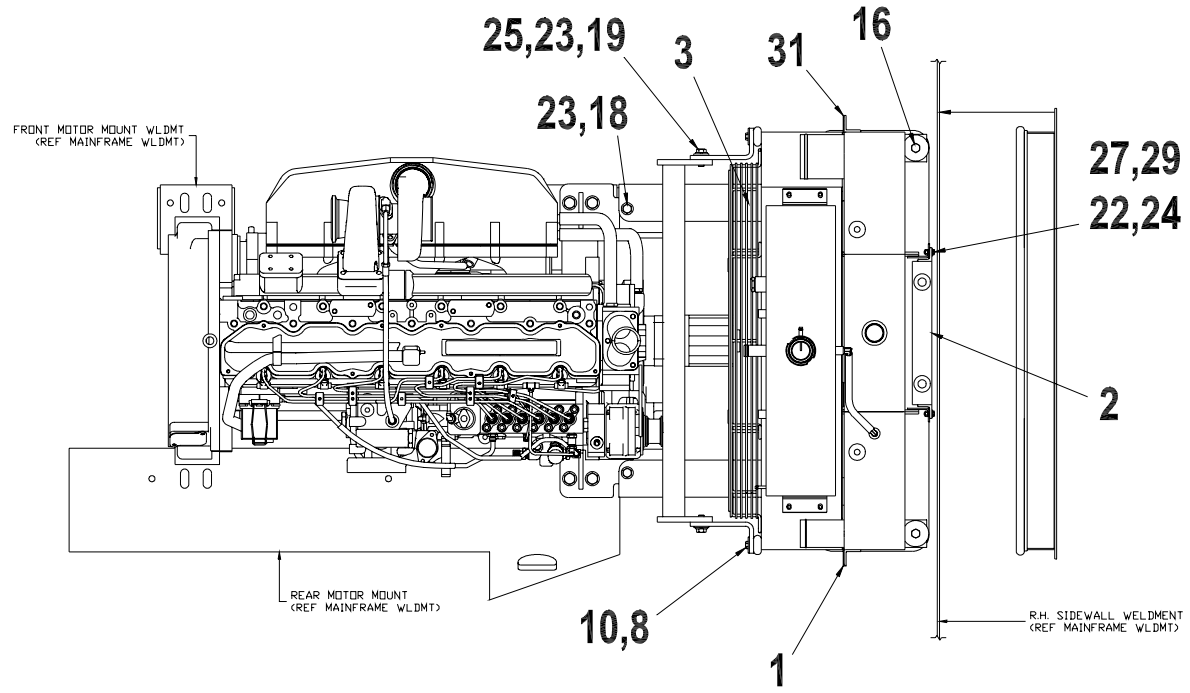

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TO TANK
(SUPPLY)
TO FUEL COOLER
(INLET PORT)

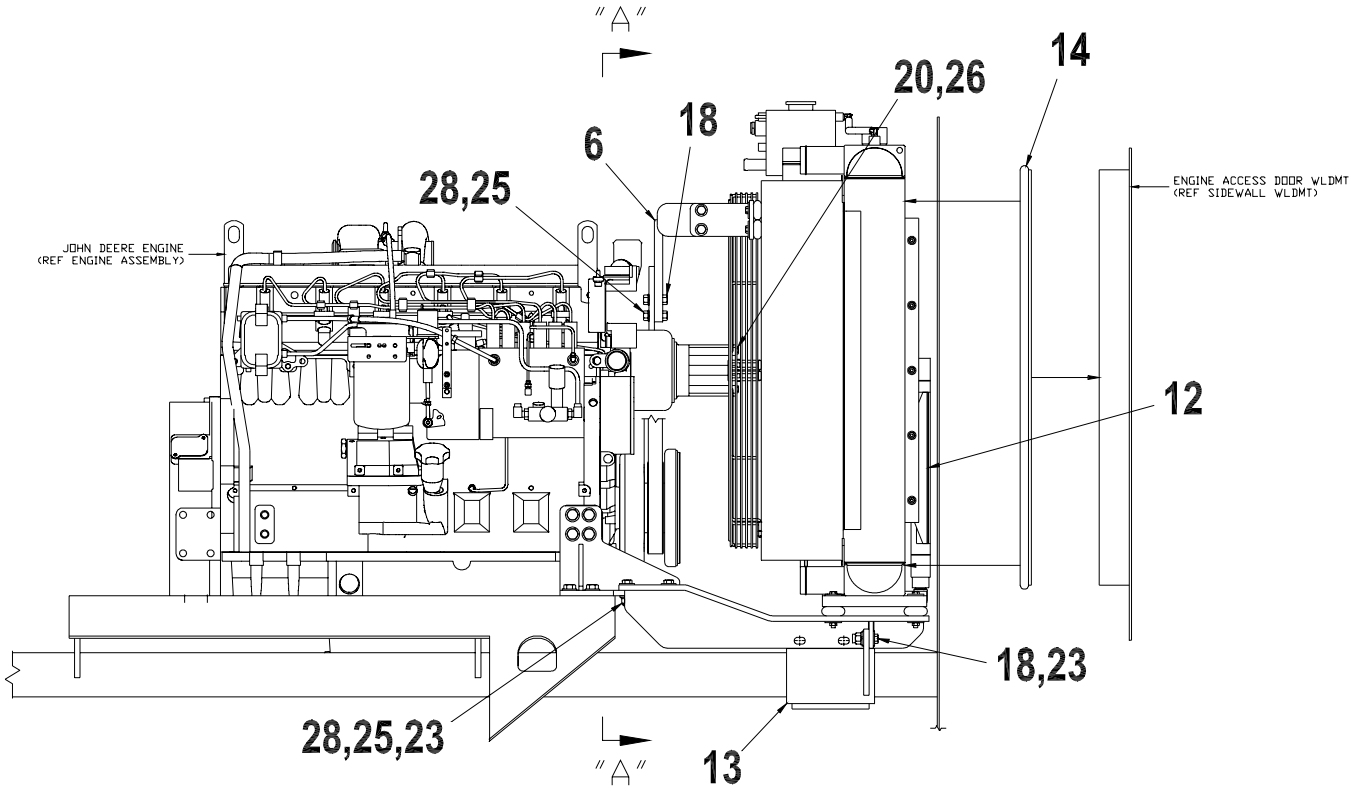
SB-2500C ENGINE ASSEMBLY
(211361-01)

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	207610-01	EXHAUST	1
8	140613	TURBO BLANKET KIT	1
9	211359-03	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	LOCK WASHER - 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			
22	211299-04	FIT - 3/8" FLAT FACE X 3/8" JIC M	2
23	211298-04	FIT - 3/8" JIC SW F X 6 MALE BARB	2
24	45228	CLAMP - 1/2" HOSE	4
25	80132-04	HOSE - 3/8" FUEL (INCHES)	64.0
26	80132-04	HOSE - 3/8" FUEL (INCHES)	84.5
27	20K38	CLAMP - 1 1/4" ID X 9/16" WIDTH	2
28	16P29	CLAMP - HOSE (1/2" BOLT)	2
29	142481	HEX BOLT - 1/2-13 X 7" GR8	1
30	139741-04	CENTER LOCK NUT - 1/2-13 GR8	1

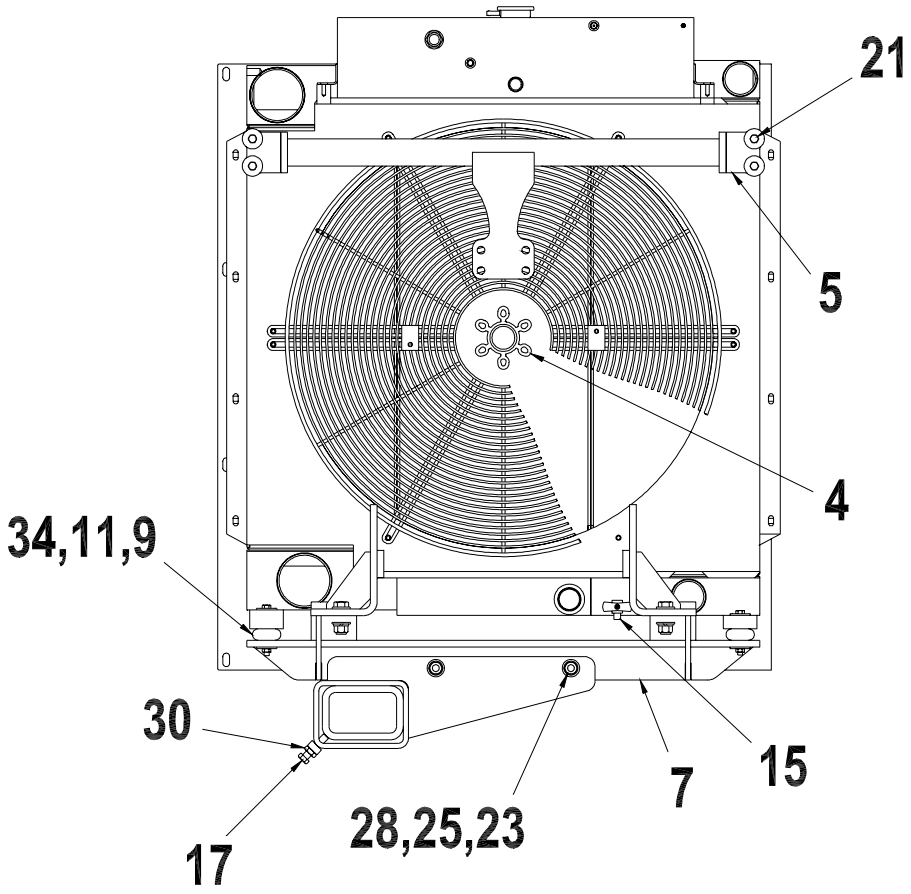
SB-2500C RADIATOR ASSEMBLY
(204109-01)

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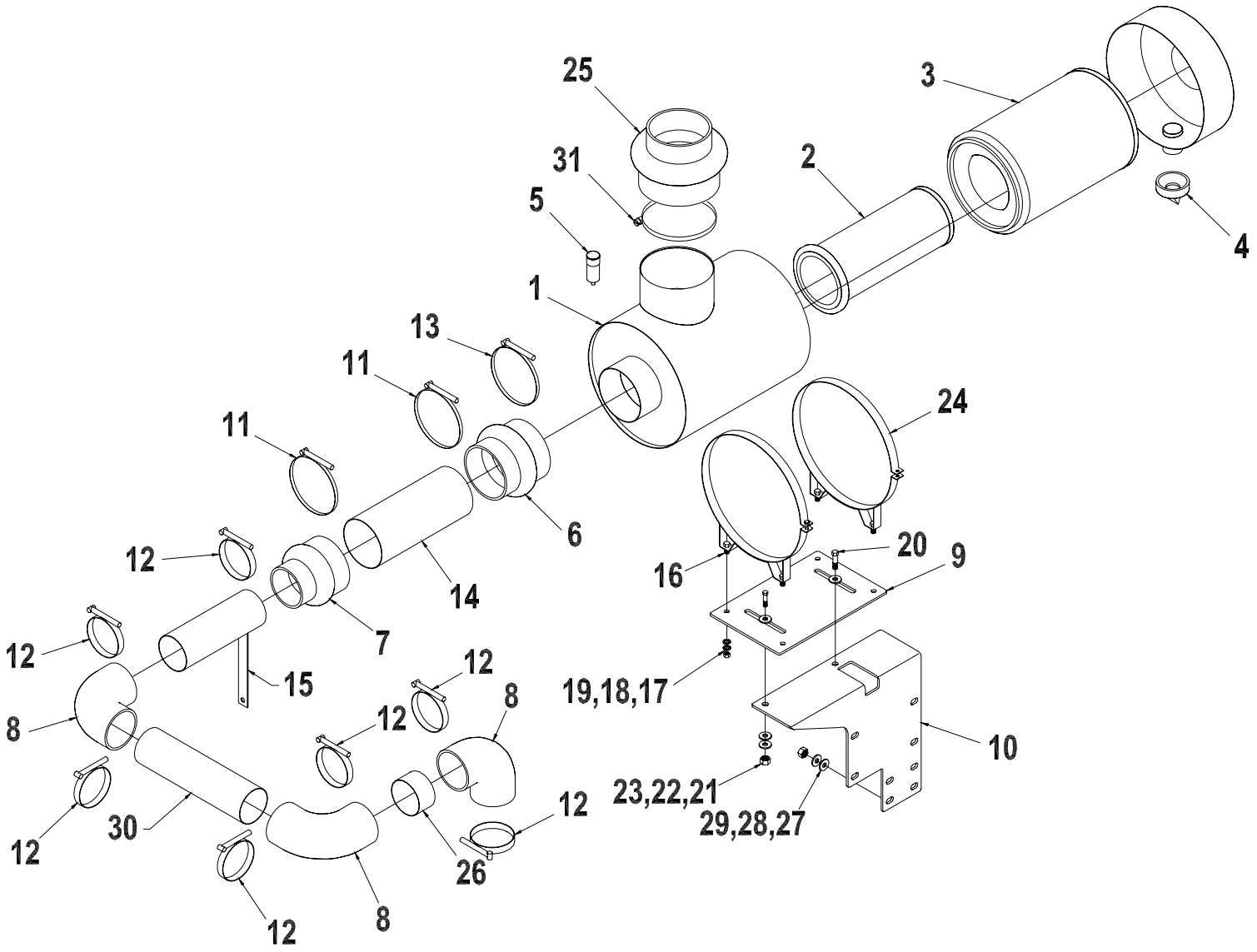
SECTION VIEW "A-A"

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	84431-04	BOLT - 1/2-13 X 4 HEX	2
17			
18	84674	BOLT - 1/2-13 X 2 HEX GR8	6
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	95541	BOLT - 3/8-16 X 2 1/4 HEX GR8	4
22	89297	BOLT - 5/16 -18 X 1" HEX GR8	4
23	83781-04	FLAT WASHER - 1/2 STEEL	10
24			
25	83317	LOCK WASHER - 1/2 SPRING STEEL	12
26	83056	LOCK WASHER - 3/8 SPRING STEEL	10
27	87328-04	LOCK WASHER - 5/16 SPRING STEEL	4
28	83288	HEX NUT - 1/2-13 GR8	12
29	89772	HEX NUT - 1/4-13 GR8	4
30	27D22	JAM NUT - 5/8-11 GR8	2
31	130771	CLAMP - 1/2" CUSHION X 3/8" BOLT	2
32			
33			
34	203229-03	WASHER - RUBBER MOUNT TAIL (1/2" BOLT)	4
35	96041	HEX BOLT - 5/8-11 X 2"	6
36	26F83	FLAT WASHER - 5/8" A325<1 5/16 OD>HW	4
37	84717	LOCK WASHER - 5/8" SPRING STEEL	4
38	90874	HEX BOLT - 1/2-13 X 3 1/2"	2
39	85148	HEX BOLT - 1/2-13 X 3 1/2"	2

ENGINE AIR INTAKE ASSEMBLY

(204212-01)

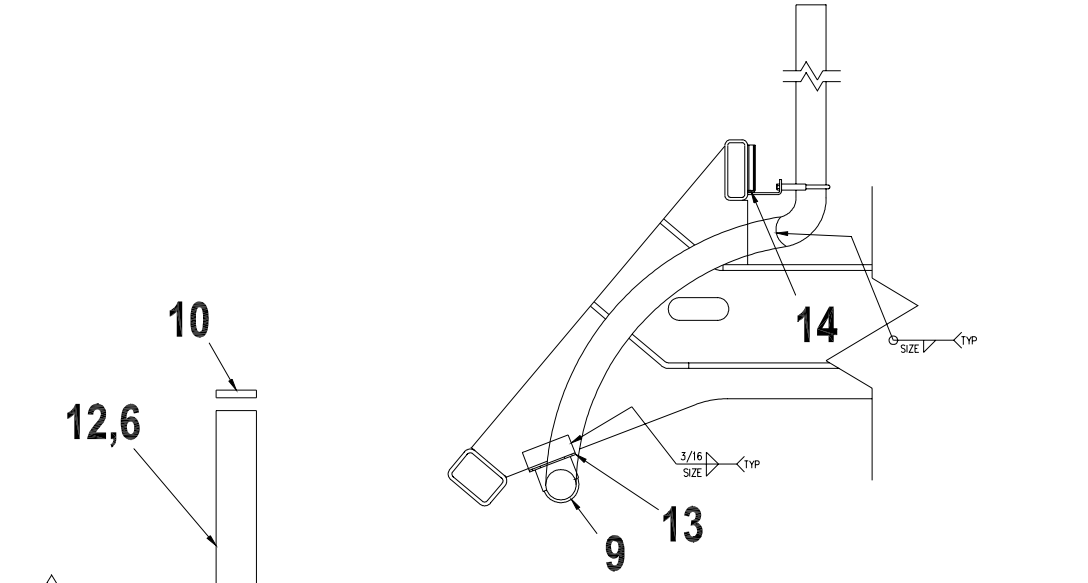


ENGINE AIR INTAKE ASSEMBLY
(204212-01)

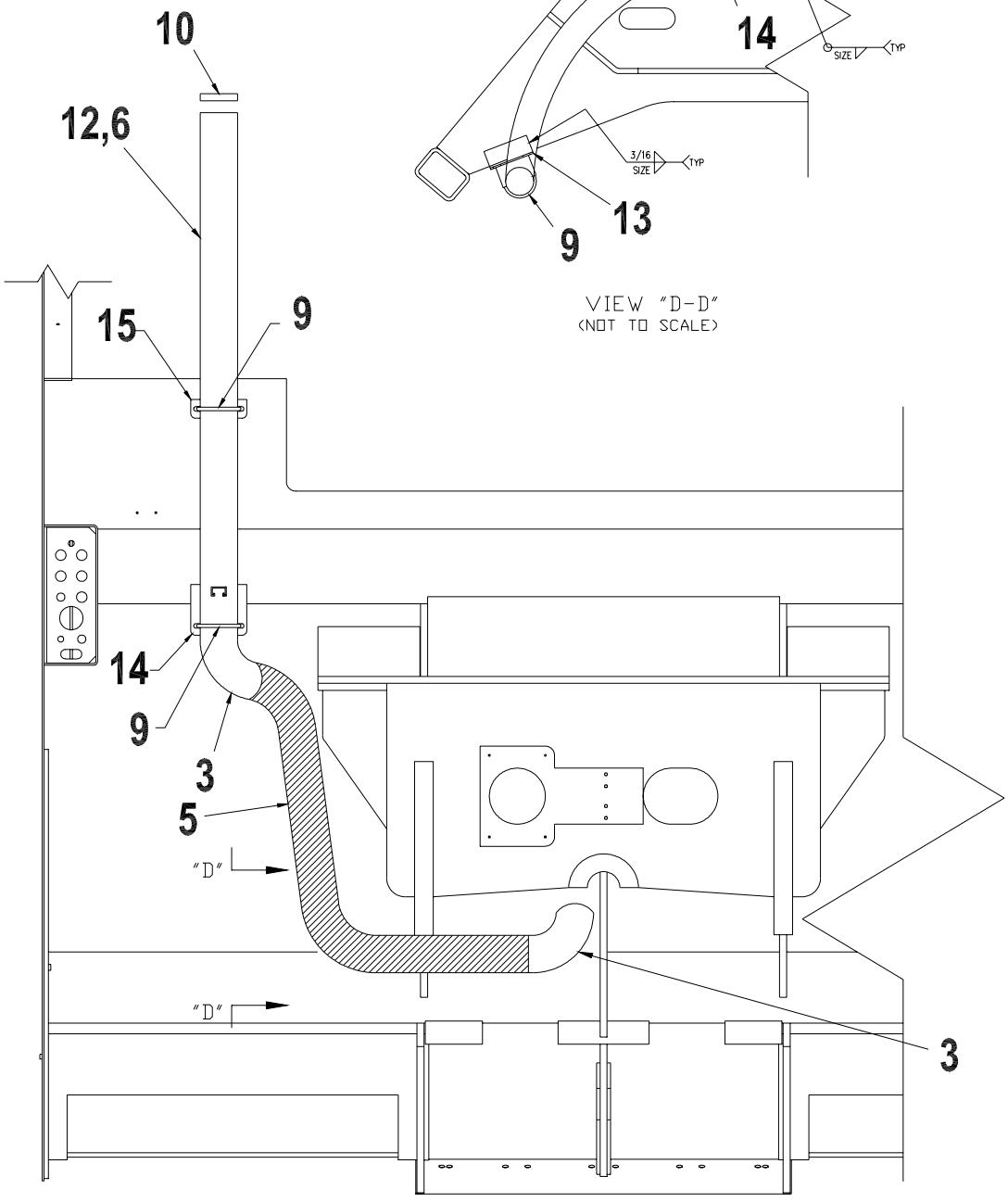
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203086-03	AIR CLEANER	1
2	203086-03-C1	INNER AIR FILTER	REF
3	203086-03-C2	OUTER AIR FILTER	REF
4	203086-03-C3	VACUATOR VALVE	REF
5	28R14	RESTRICTION INDICATOR	1
6	134235-04	HUMP REDUCER - 6" X 5 1/2"	1
7	28R42C2	HUMP REDUCER - 5 1/2" X 4"	1
8	93120	ELBOW - 4" 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	7
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	10220	TUBE - 4 X 16 GA WA X 2" LG (ALUM)	1
27	26F83	HARD WASHER - 5/8 STEEL	4
28	84717	LOCKWASHER - 5/8 SPRING STEEL	4
29	27D22	JAM NUT - 5/8	4
30	10220	TUBE - 4 X 16 GA. WA X 11" LG (ALUM)	1
31	135309	CLAMP - 7" T-BOLT CLAMP	1

ENGINE EXHAUST ASSEMBLY
(207610-01)

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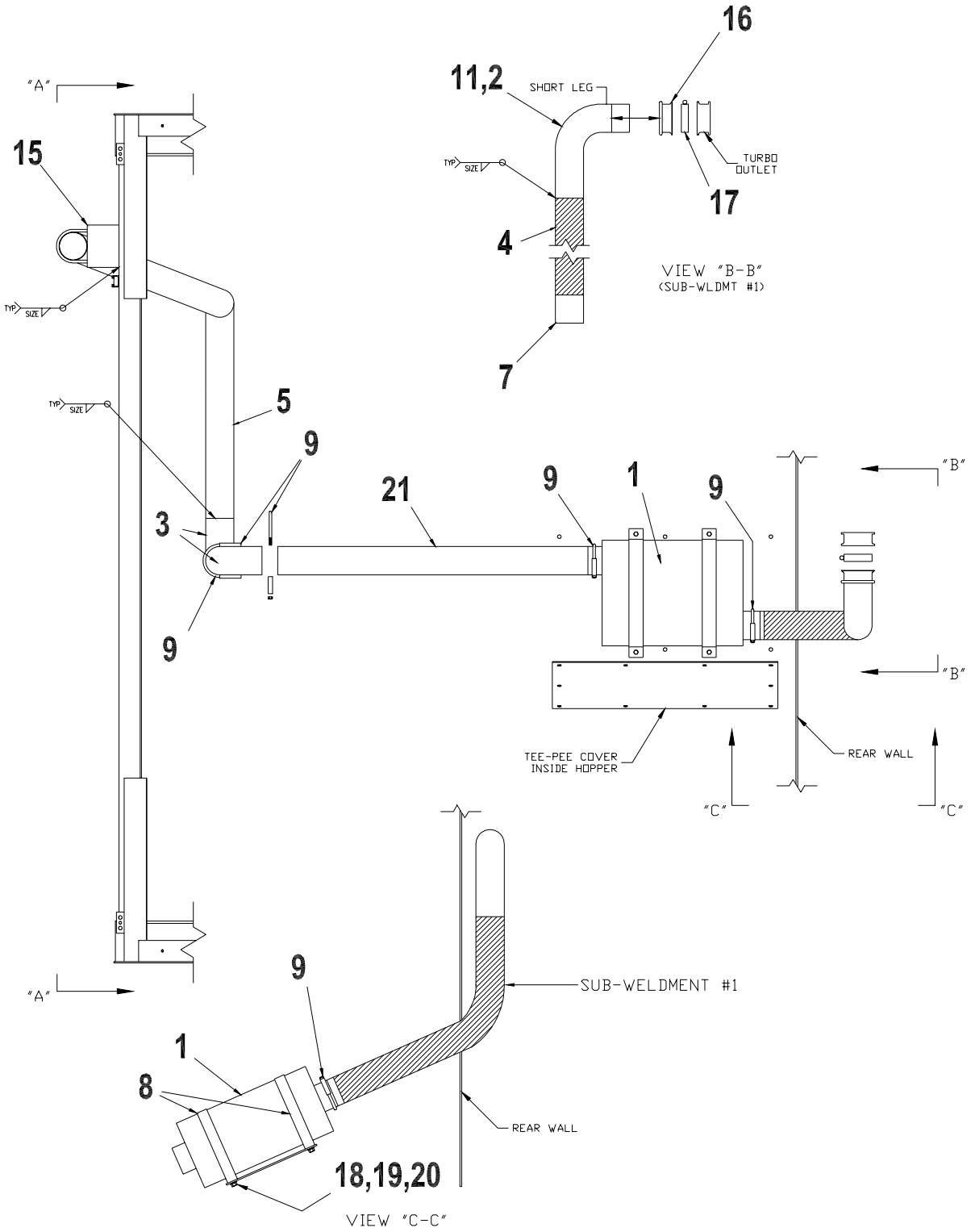


VIEW "D-D"
(NOT TO SCALE)



VIEW "A-A"

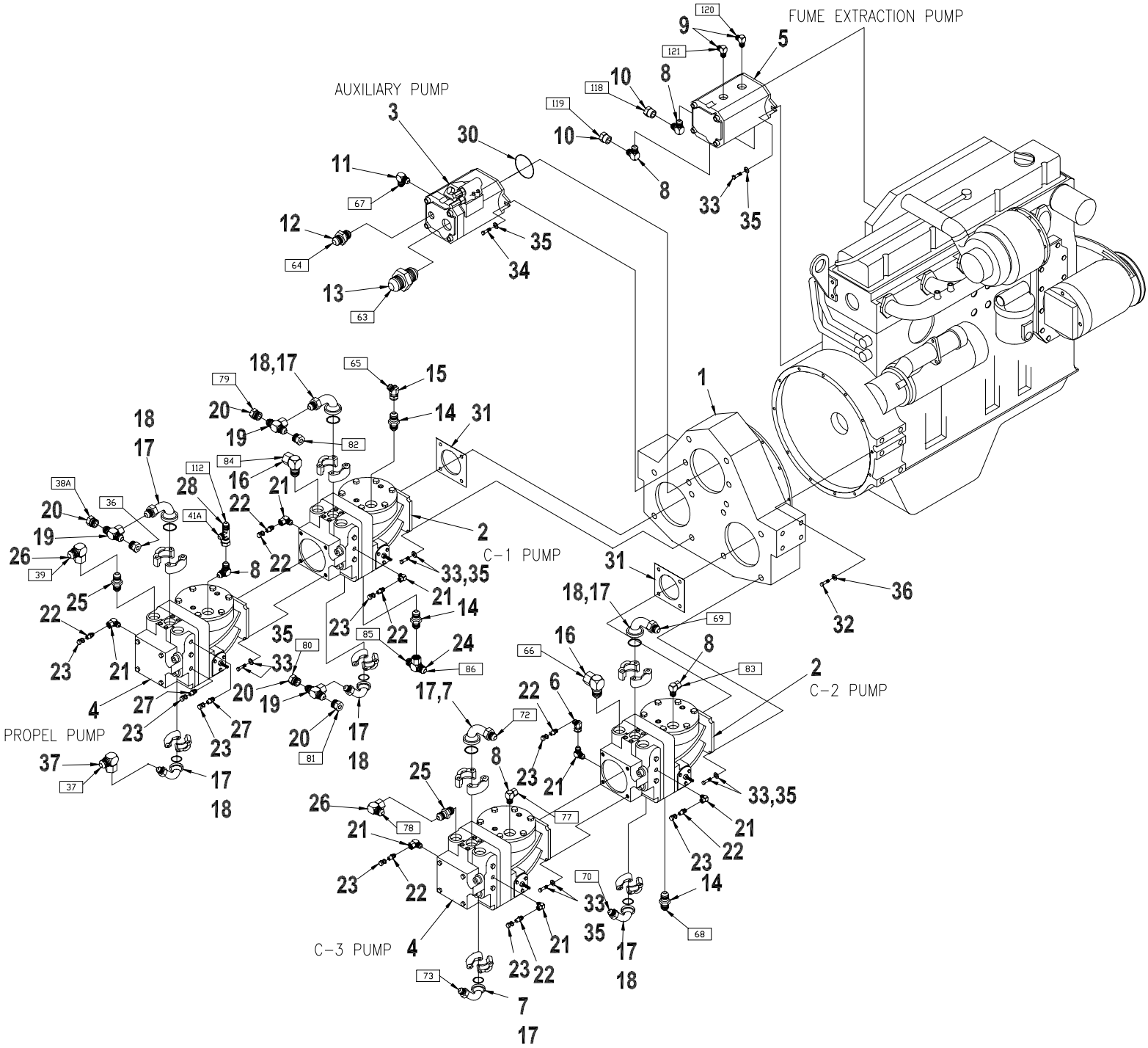
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ENGINE EXHAUST ASSEMBLY
(207610-01)

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	204550-04	CLAMP- 10 X 15 ELLIPTICAL	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	207607-03	LOWER EXHAUST TUBE	1
15	201556-04	BRACKET - UPPER TAILPIPE ANGLE	1
16		EXHAUST - V-FLANGE (SUPPLIED W/ ENGINE)	REF
17		TURBO V-CLAMP (SUPPLIED W/ ENGINE)	REF
18	96476	BOLT, HEX 3/8-16 X 1 1/4 GR.8	4
19	83757	FLAT WASHER 3/8" GR.8	4
20	92235	NUT, LOCK 3/8-16 GR. 8	4
21	00930	TUBE 4" O.D. X 16 GA. X 44" (A-513)	1

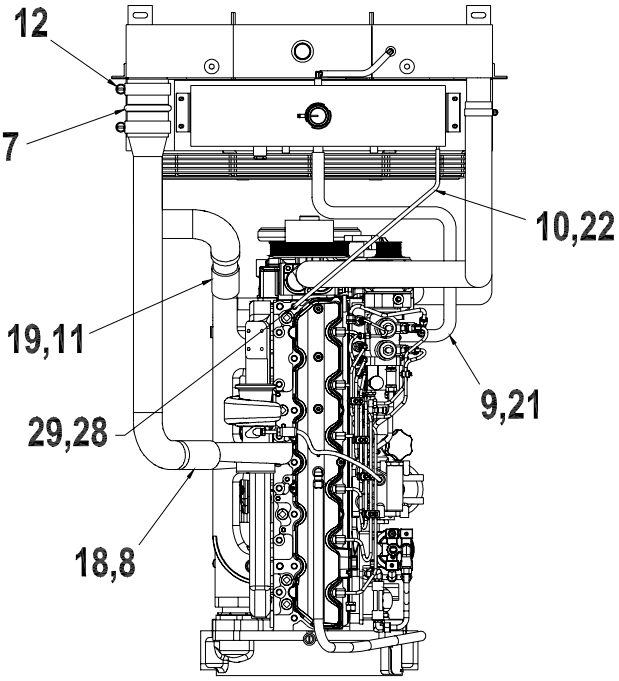
ENGINE PUMPS ASSEMBLY
(147059-01)

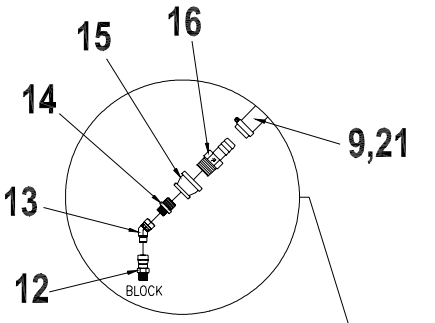


ENGINE PUMPS ASSEMBLY
(147059-01)

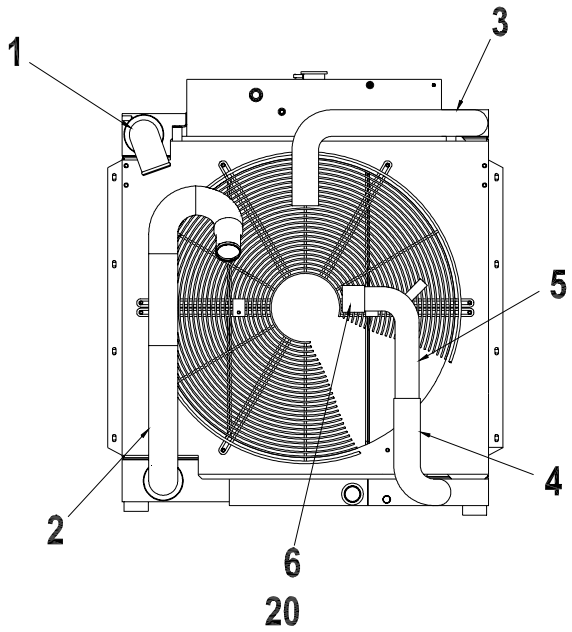
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	144422-01	TRANS- PUMP DRIVE 3 PAD W/SPEED UP	1
2	99814	PUMP - SUNSTRAND 90/100 (C-1 & C-2)	2
3	128178-04	PUMP - AUX REXROTH AA10V45	1
4	29J94	PUMP - SUNSTRAND 90/75 (C-3 & DRIVE)	2
5	137454-04	PUMP - TANDEM CASAPPA PLP 1.27 CID (FUME-X)	1
6	90768-04	FIT - 6 JIC 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	211562-04	O-RING 2-155	2
31	97489	KIT O-RING 700	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
37	85216-04	FIT - 20 JIC SWIVEL 90 ELBOW	1

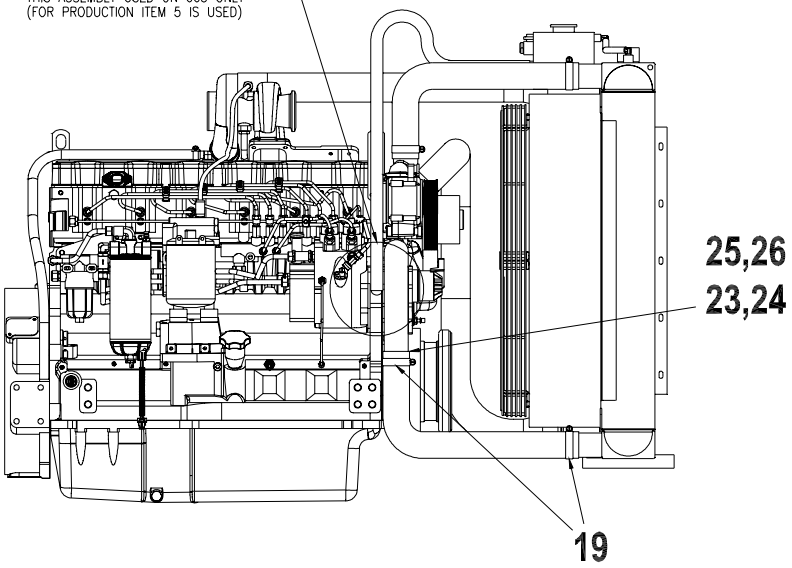
CHARGE AIR / RADIATOR HOSE ASSEMBLY
(204156-01)





THIS ASSEMBLY USED ON 665 ONLY
(FOR PRODUCTION ITEM 5 IS USED)



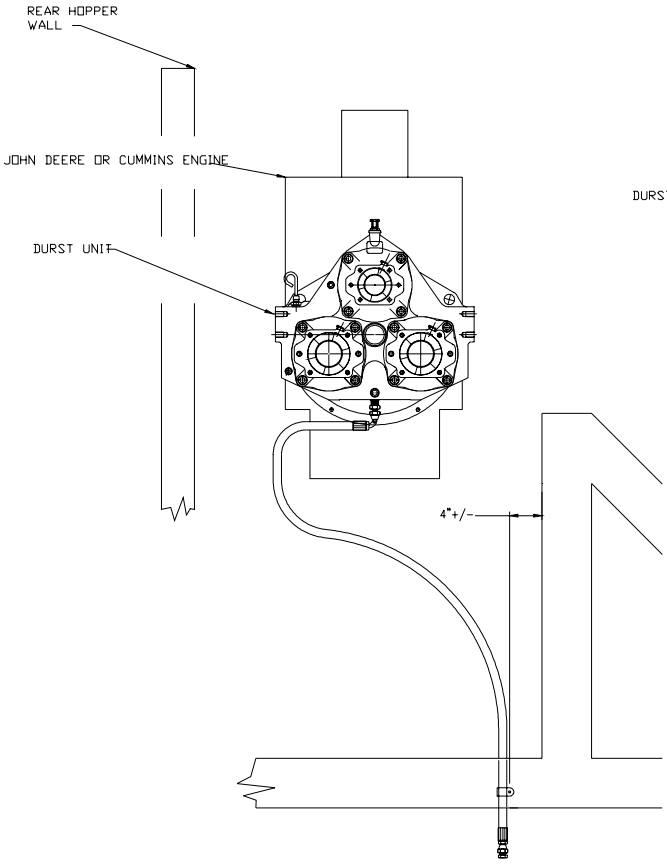


CHARGE AIR / RADIATOR HOSE ASSEMBLY
(204156-01)

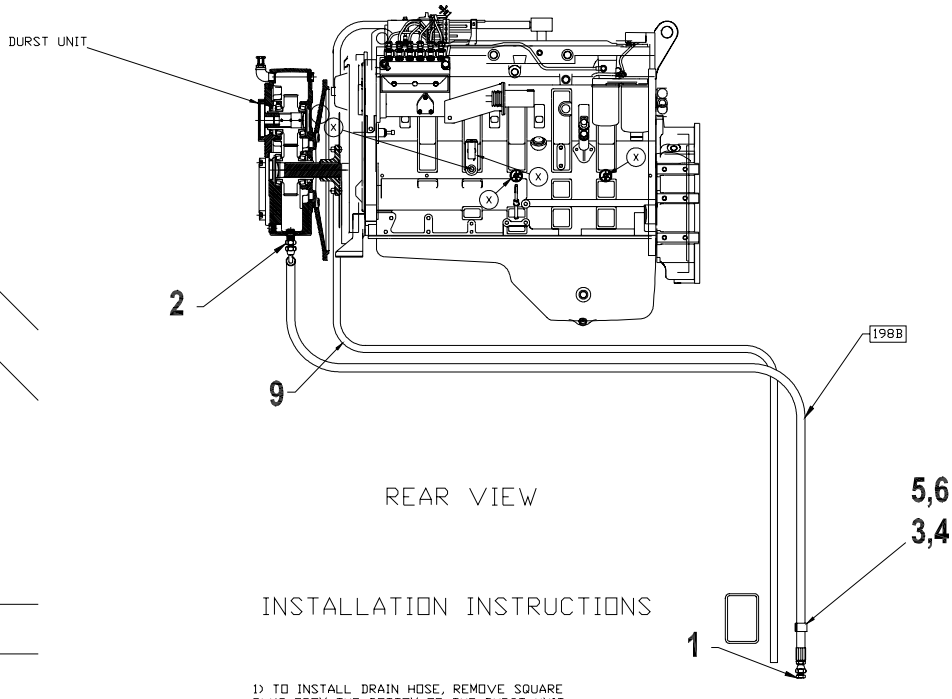
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	204153-03	UPPER CHARGE AIR TUBE WLDMT.	1
2	204151-03	LOWER CHARGE AIR TUBE WLDMT.	1
3	10287	UPPER RADIATOR HOSE (2 1/2" X 40 1/2")	1
4	120324	LOWER RADIATOR HOSE (2 1/2" X 28")	1
5	204973-04	WATER INLET CONNECTOR WLDMT.	1
6	10286	RADIATOR HOSE (2" X 2")	1
7	142436	4" FLEX CONNECTOR	2
8	10714	3" ID HI-TEMP HOSE X 3" (4 PLY)	1
9	96355	RADIATOR HOSE (1" X 35")	1
10	92785-04	FUEL / WATER HOSE (1/4" X 31")	1
11	10710	2 1/2" ID HI-TEMP X 3" (4 PLY)	1
12	83468-04	FIT - 1/2 NPT X 8 JIC SW STRAIGHT	REF
13	85218-04	FIT - 8 JIC SW 45 DEG.	REF
14	83962-04	FIT - 8 JIC MALE X 3/4" NPT MALE	REF
15	80247	FIT - 3/4" NPT X 1 BELL REDUCER	REF
16	92512	BARB - 1" HOSE BARB	REF
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	84332	HEX BOLT - 3/8-16 X 1" GR8	1
26	83056	LOCK WASHER - 3/8" SPRING STEEL	1
27	83055	HEX NUT - 3/8-16 LOCK	1
28	92344	FIT - 3/4" NPT X 1/4" NPT REDUCER	1
29	91846-04	HOSE BARB - 1/4" NPT X 1/4" BARB	2

DURST OIL DRAIN ASSEMBLY

(142903-01)



SIDE VIEW



REAR 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)

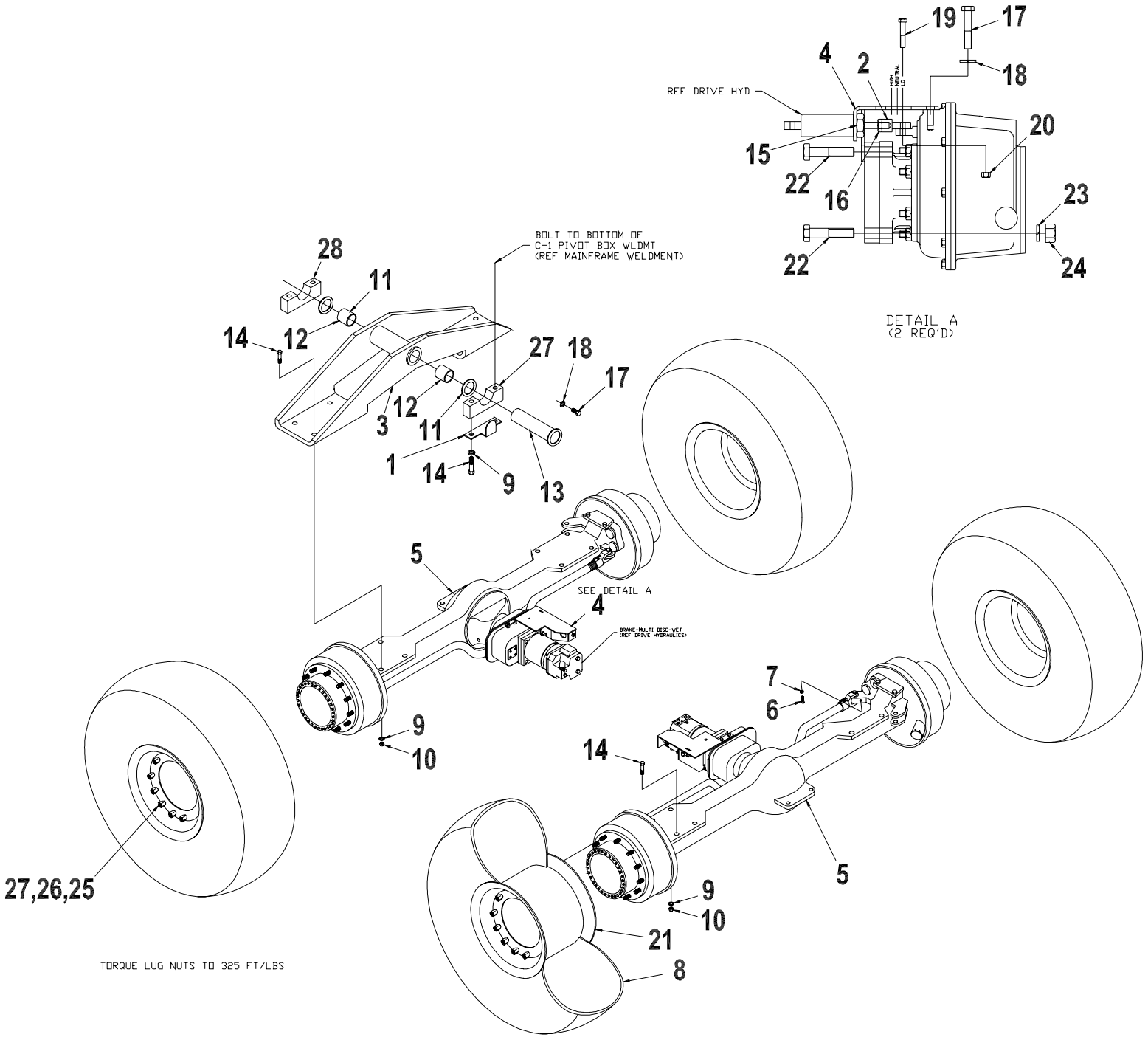
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	85393-04	8 JIC PLUG	1
2	83468-04	CONNECTOR - 8 JIC - 1/2 NPT MALE	1
3	89772	HEX NUT - 1/4-20	1
4	83056	LOCKWASHER - 1/4	1
5	84444	FLAT WASHER - 1/4	1
6	20K38	CLAMP - 1 1/4 DIA. X 9/16 WTH.	2
7	83905-04	WIRE TIE - 1/4" X 1/4" X 14" NYLON	4
8	142805-04	GEAR DRIVE DRAIN TAG	1
9	91321-04	HOSE - 3/4" WATER	136"

SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	203997-01	672 & UP	2.1
FUEL TANK & WASHDOWN	211385-01	768 & UP	2.3
MAINFRAME	214080-01	816 & UP	2.5
MAINFRAME	213674-01	804- 815	2.9
MIRROR	202080-01	640 & UP	2.13
DECAL KIT	201632-01		2.15
OPERATOR'S STATION	213995-01	808 & UP	2.19
PLATFORM & HOOD	213800-01		2.21
STROBE LIGHT	214370-01		2.25

SB-2500C FRONT & REAR AXLE ASSEMBLY

(203997-01)

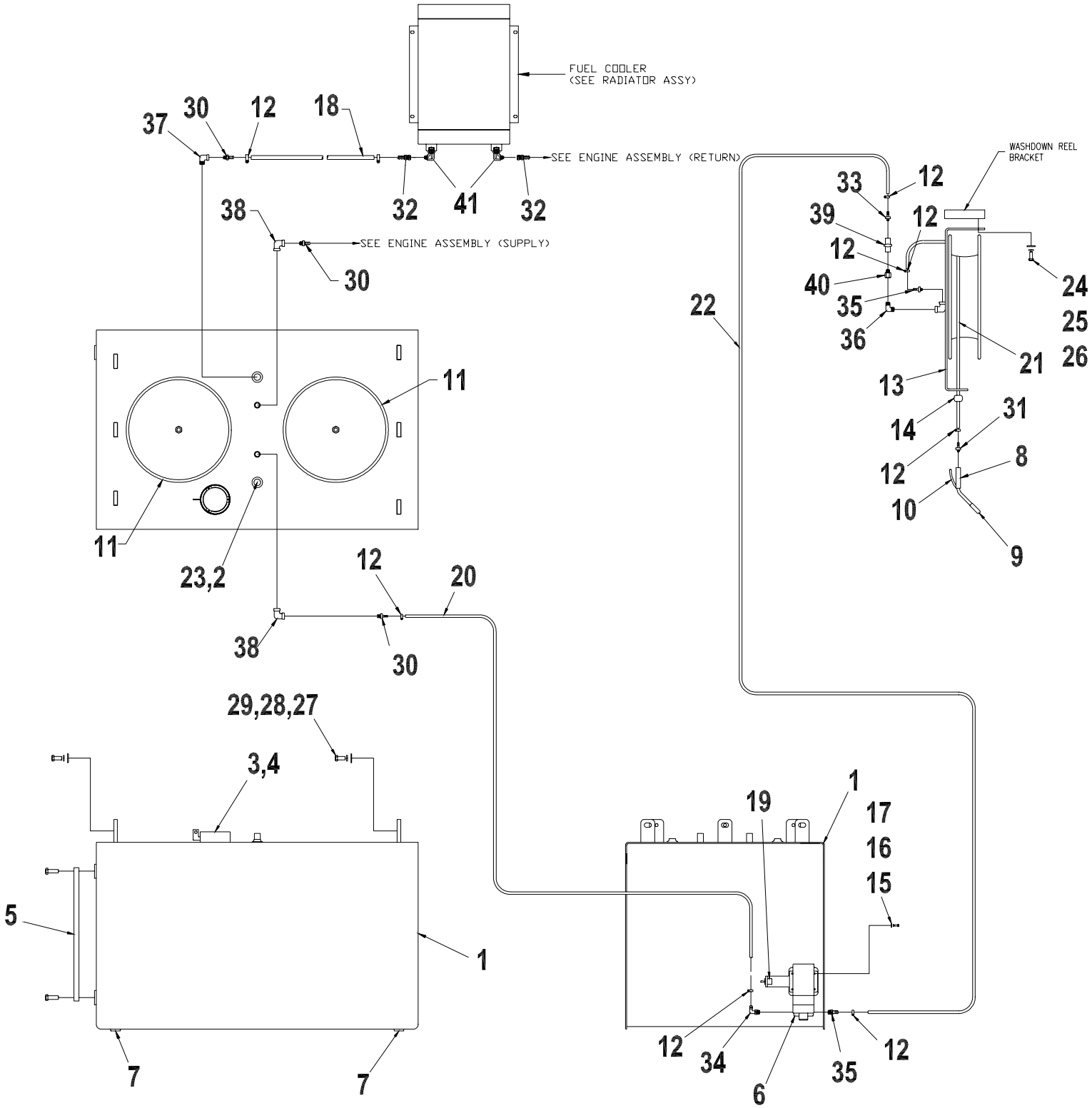


SB-2500C FRONT & REAR AXLE ASSEMBLY
(203997-01)

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	REF
7	130422-C1	JAM NUT - 7/8-14	REF
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	93211	HEX NUT - 3/4-16 GR8	48
26	95937	HARD WASHER - 3/4	56
27	88960	FLUID - LOCKTITE NO. 242	.25
28	200190-04	AXLE PIVOT BLOCK (2PC) REF 601 FAB CODE	REF

FUEL TANK & WASHDOWN ASSEMBLY

(211385-01)

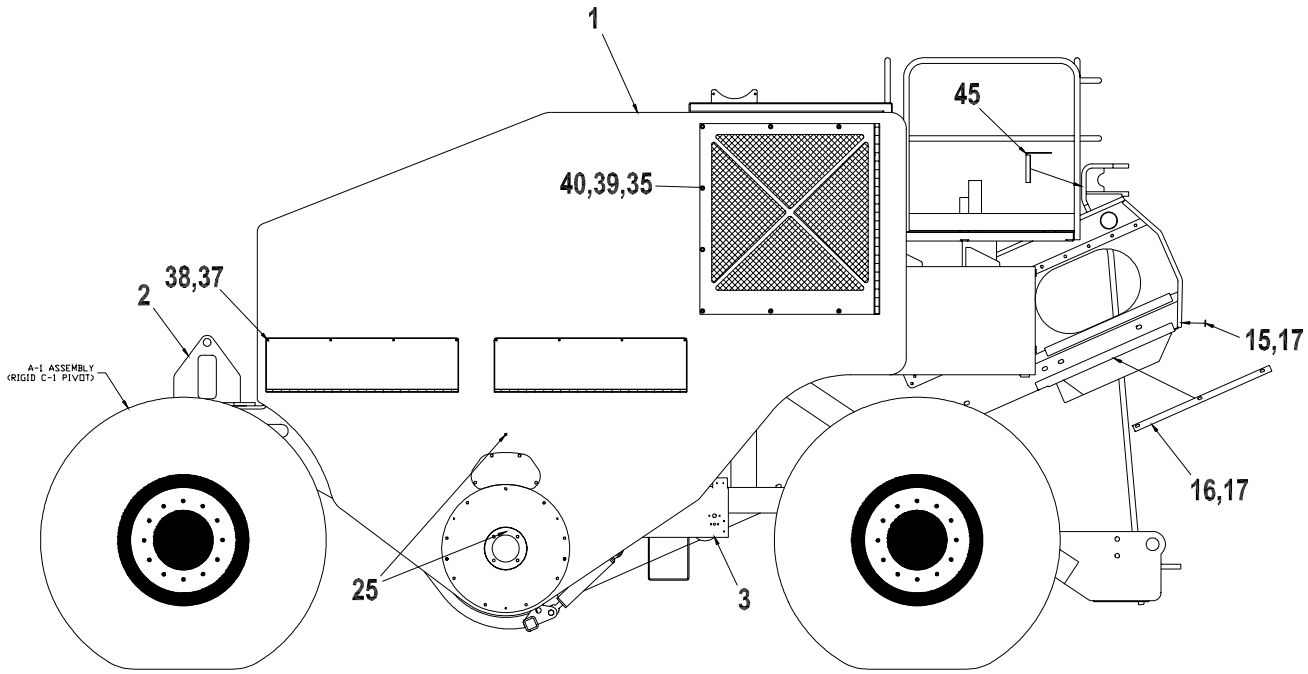


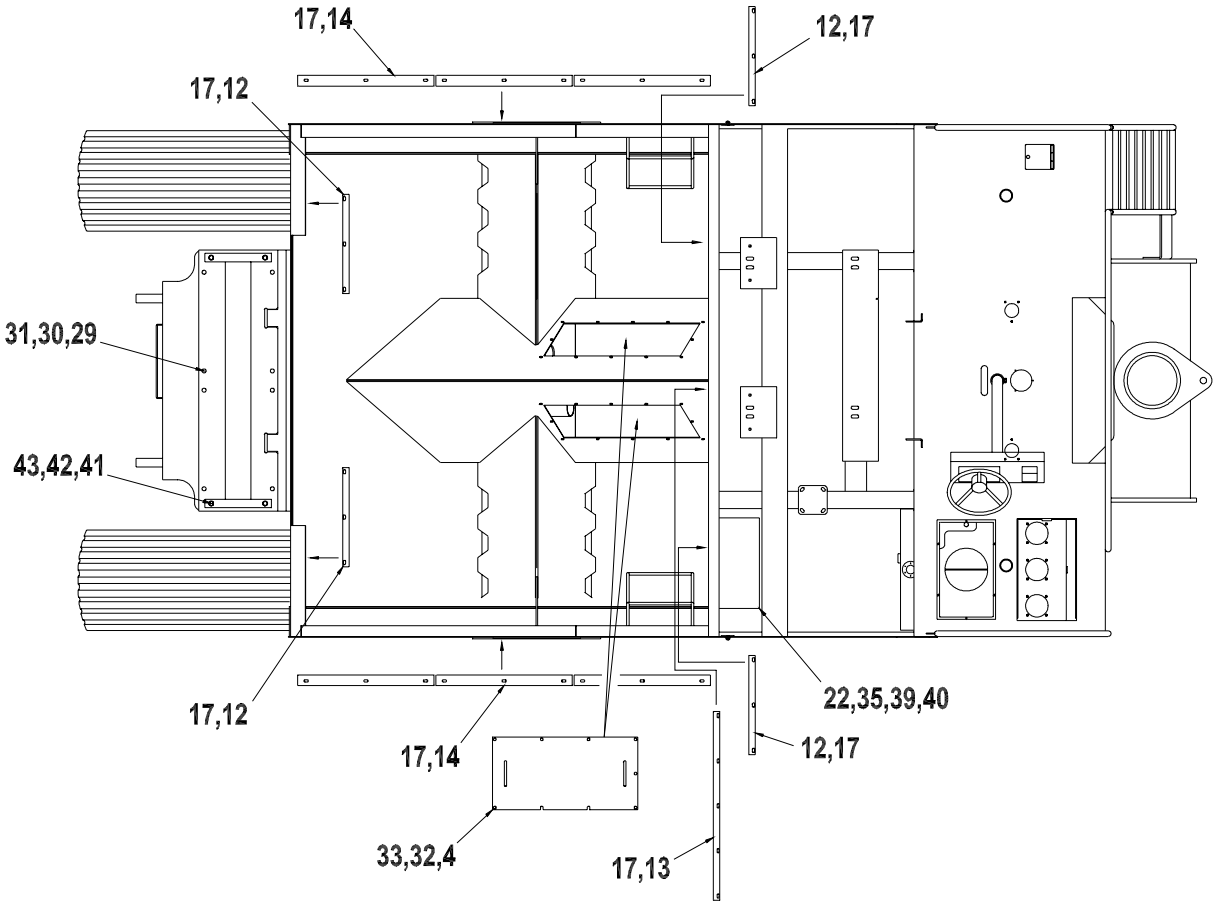
FUEL TANK & WASHDOWN ASSEMBLY
(211385-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	208163-01	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	211322-04	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	208510-04	RESERVOIR COVER - 16"	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	136019-04	HOSE - 1/2" FUEL (INCHES)	66
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	89608	FIT - 1/2 NPT X 1/4 NPT REDUCING BUSHING	1
24	84332	HEX BOLT - 3/8-16 X 1" GR8	4
25	83056	LOCKWASHER - 3/8" SPRING STEEL	4
26	83757	FLAT WASHER - 3/8" STEEL	4
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	211298-04	BARB - 3/8 JIC SW F X 6 M	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	2
36	85466-04	FIT - 6 JIC X 3/8" NPT 90 DEG.	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	84426-04	FIT - 6 JIC X 8 SAE 90 MALE	2

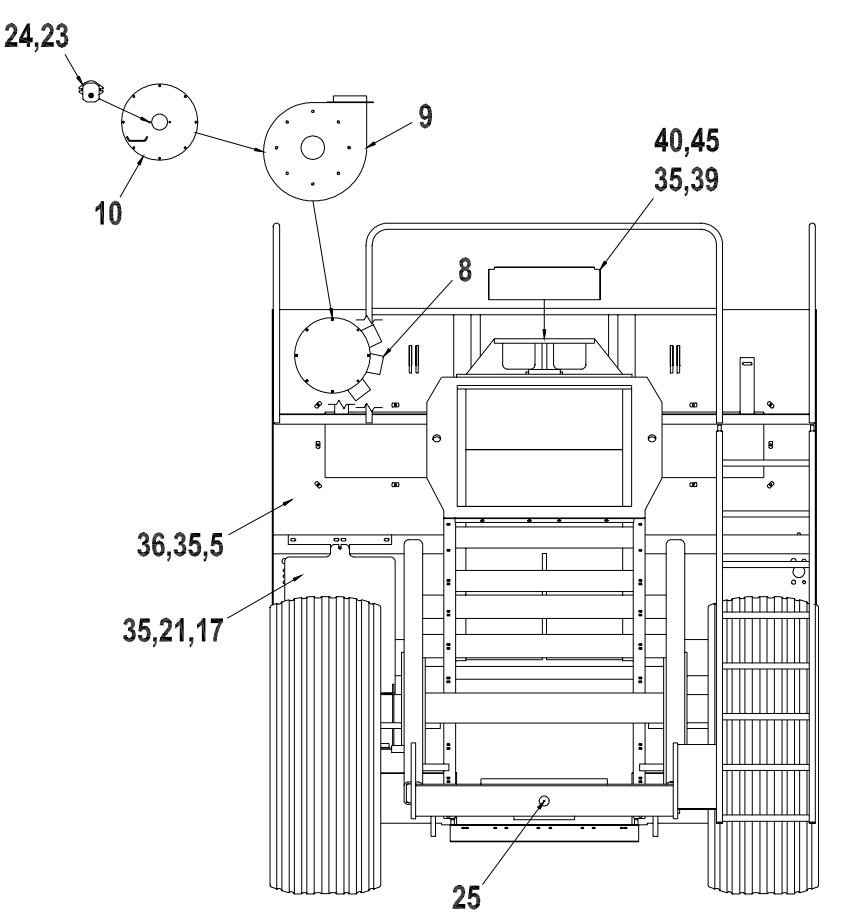
MAINFRAME ASSEMBLY
(214080-01)

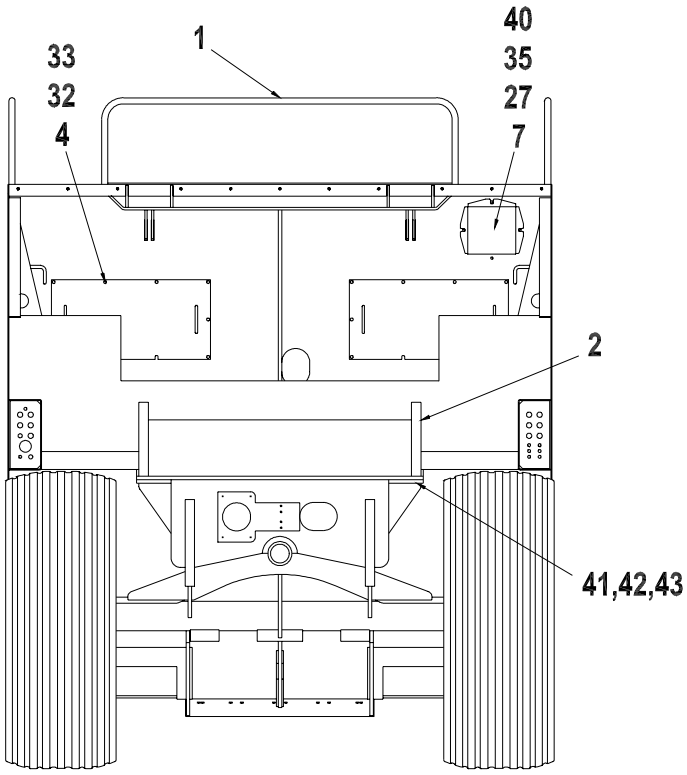
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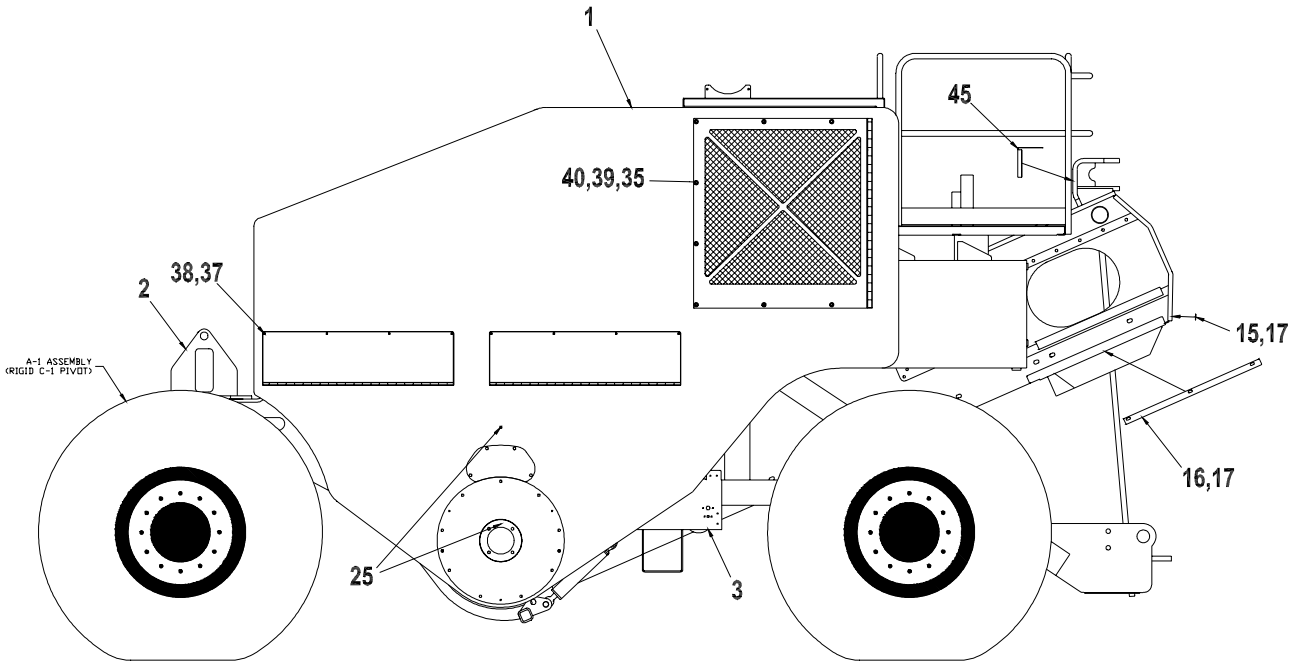


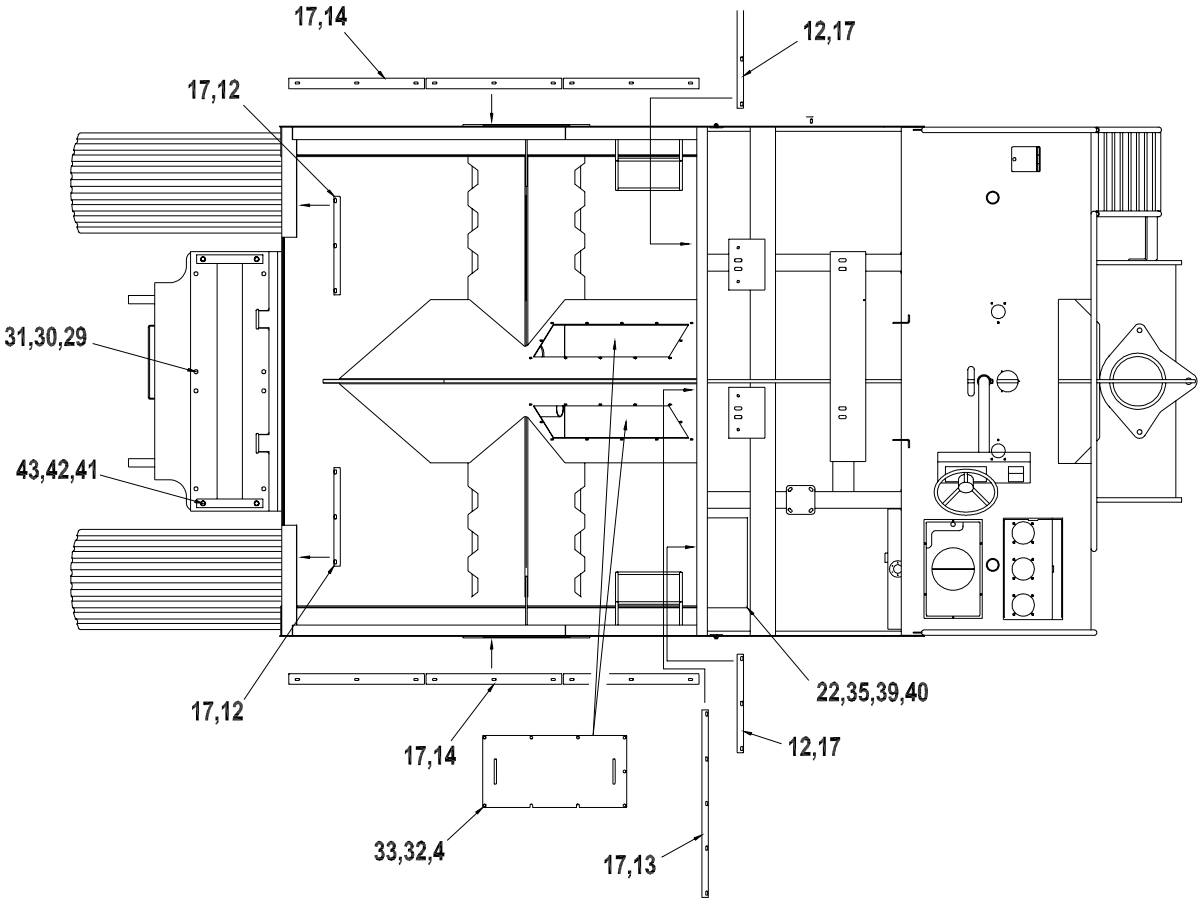
MAINFRAME ASSEMBLY
(214080-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213963-01	MAINFRAME WLDMT.	1
2	200195-01	STANDARD C-1 PIVOT WLDMT.	1
3	98550-04	MOLDING - 1/2" INTERLOCK	10"
4	133318-01	ACCESS COVER WLDMT.	4
5	200795-01	REAR WALL INSULATION	1
6	203794-04	HORN BRACKET	1
7	146685-02	C-2 SUCTION COVER WLDMT.	1
8	129095-01	BLOWER SHROUD WLDMT.	1
9	146487-03	BLOWER HOUSING WLDMT.	1
10	200203-03	FUMEX MOTOR MOUNT WLDMT.	1
11	133779-04	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	WING BOLT - 3/8-16 X 1"	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	213777-03	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 & KEY	1
25	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
26	83657-04	WIRE TIE - 1/8 X 8 NYLON	150
27	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
28	83905-04	WIRE TIE - 1/4 X 14 NYLON	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	40
33	83317	LOCK WASHER - 1/2" SPRING STEEL	40
34	129119-01	CANVAS - C-2 DISCHARGE	1
35	83757	FLAT WASHER - 3/8" STEEL	45
36	83055	HEX NUT - 3/8-16 GR8	26
37	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	16
38	83065	LOCK WASHER - 1/4" SPRING STEEL	16
39	84332	HEX BOLT - 3/8-16 X 1" GR8	14
40	83056	LOCK WASHER - 3/8" SPRING STEEL	18
41	97316	HEX BOLT - 1-8 X 3" GR8	4
42	83427	LOCK WASHER - 1" SPRING STEEL	4
43	10S89	HARD WASHER - 1" STEEL	4
44			
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	80105	CLAMP - 3/4" HOSE	1
49	205446-01	CANVAS - OPERATORS ACCESS (NOT SHOWN)	1
50	144258-01L	CANVAS - LH C-2 HOPPER SIDE (NOT SHOWN)	1
51	144258-01R	CANVAS - RH C-2 HOPPER SIDE (NOT SHOWN)	1

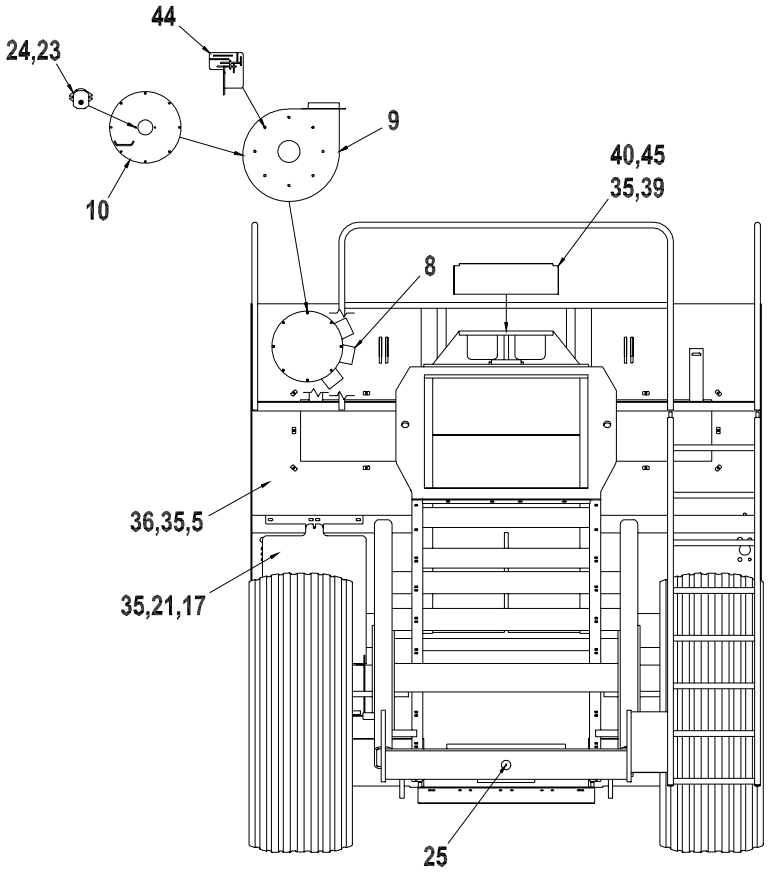
MAINFRAME ASSEMBLY
(213674-01)

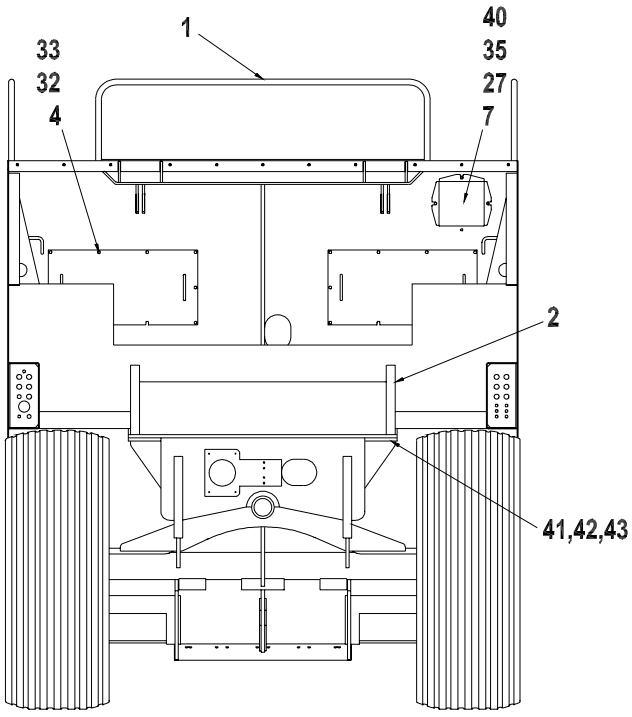
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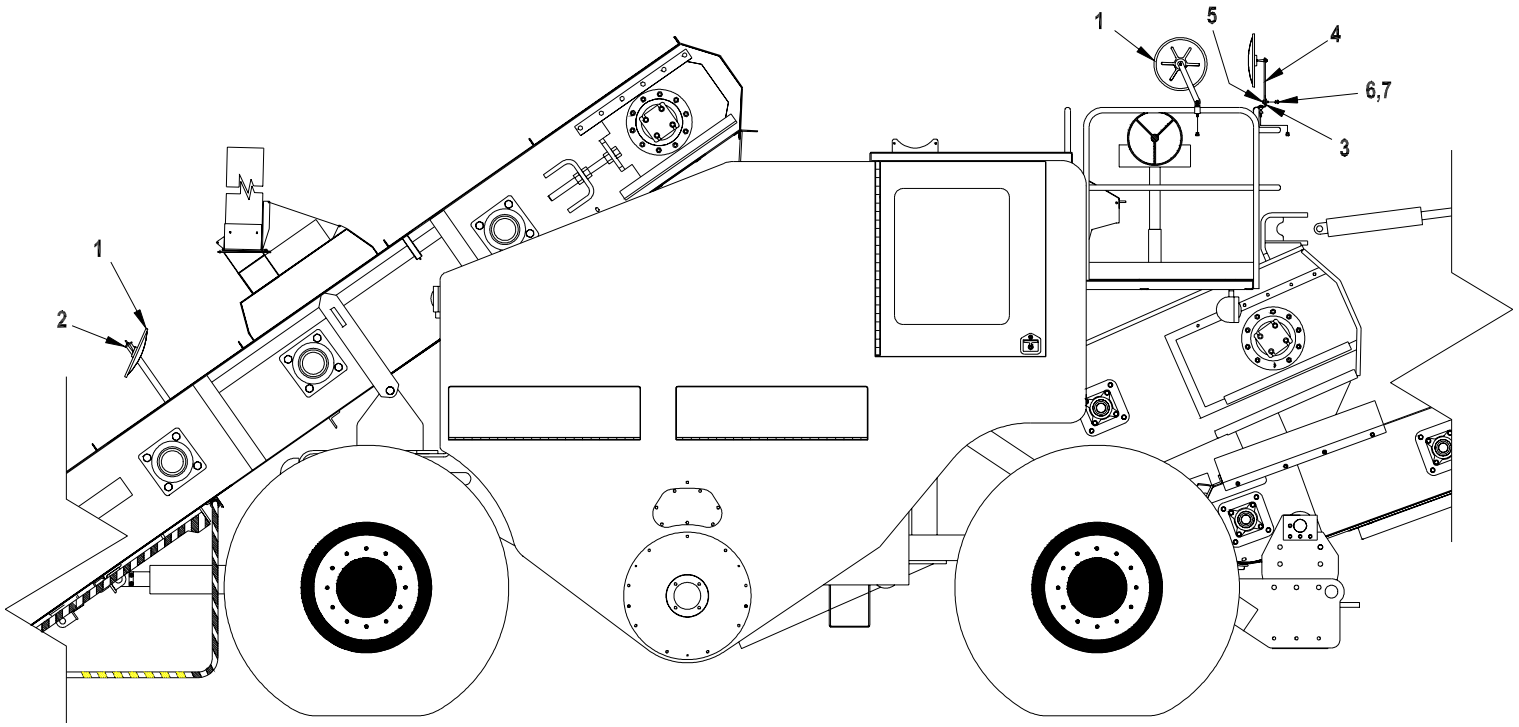




MAINFRAME ASSEMBLY
(213674-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213673-01	MAINFRAME WLDMT.	1
2	200195-01	STANDARD C-1 PIVOT WLDMT.	1
3	98550-04	MOLDING - 1/2" INTERLOCK	10"
4	133318-01	ACCESS COVER WLDMT.	4
5	200795-01	REAR WALL INSULATION	1
6	203794-04	HORN BRACKET	1
7	146685-02	C-2 SUCTION COVER WLDMT.	1
8	129095-01	BLOWER SHROUD WLDMT.	1
9	146487-03	BLOWER HOUSING WLDMT.	1
10	200203-03	FUMEX MOTOR MOUNT WLDMT.	1
11	133779-04	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	WING BOLT - 3/8-16 X 1"	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	213777-03	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 & KEY	1
25	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
26	83657-04	WIRE TIE - 1/8 X 8 NYLON	150
27	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
28	83905-04	WIRE TIE - 1/4 X 14 NYLON	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	40
33	83317	LOCK WASHER - 1/2" SPRING STEEL	40
34	129119-01	CANVAS - C-2 DISCHARGE	1
35	83757	FLAT WASHER - 3/8" STEEL	45
36	83055	HEX NUT - 3/8-16 GR8	26
37	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	16
38	83065	LOCK WASHER - 1/4" SPRING STEEL	16
39	84332	HEX BOLT - 3/8-16 X 1" GR8	14
40	83056	LOCK WASHER - 3/8" SPRING STEEL	18
41	97316	HEX BOLT - 1-8 X 3" GR8	4
42	83427	LOCK WASHER - 1" SPRING STEEL	4
43	10S89	HARD WASHER - 1" 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	80105	CLAMP - 3/4" HOSE	1
49	205446-01	CANVAS - OPERATORS ACCESS (NOT SHOWN)	1
50	144258-01L	CANVAS - LH C-2 HOPPER SIDE (NOT SHOWN)	1
51	144258-01R	CANVAS - RH C-2 HOPPER SIDE (NOT SHOWN)	1

MIRROR ASSEMBLY
(202080-01)

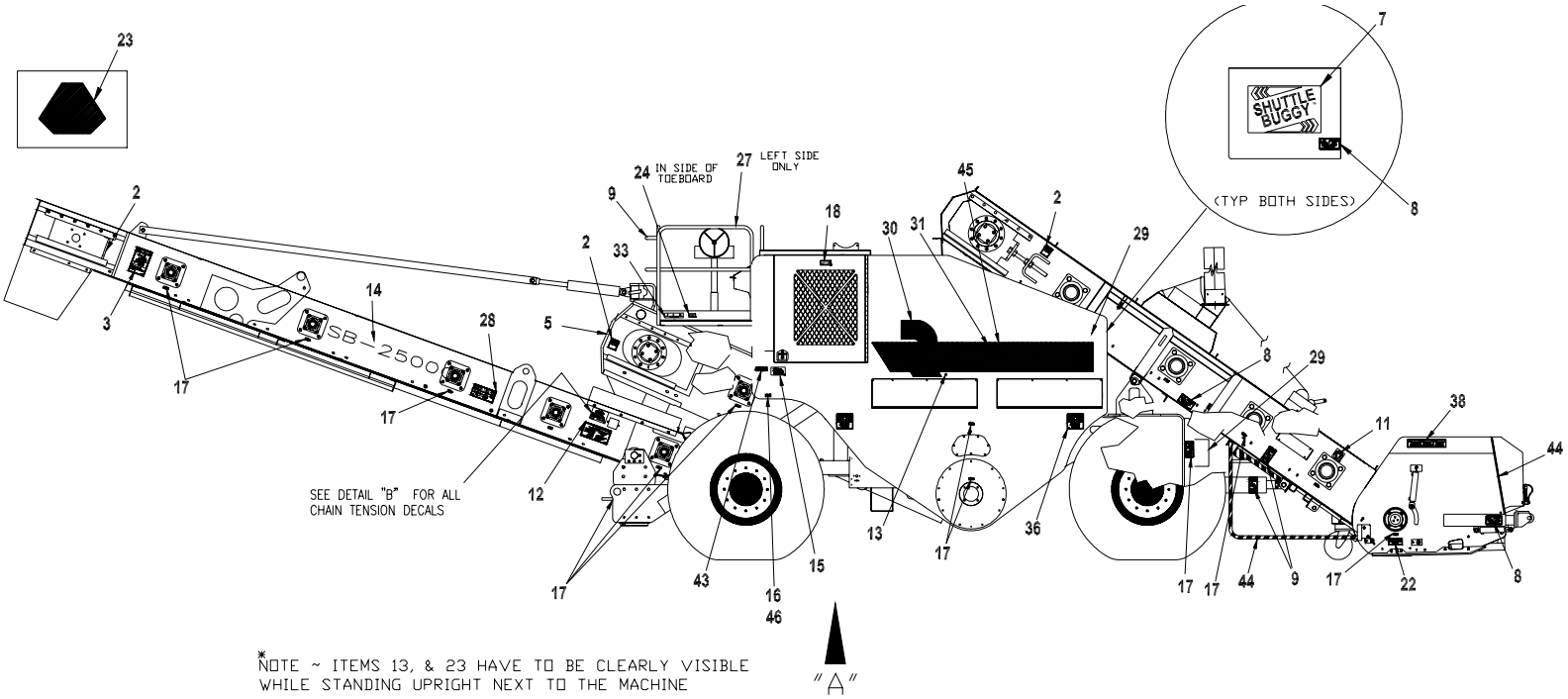


MIRROR ASSEMBLY
(202080-01)

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)

NEXT PAGE

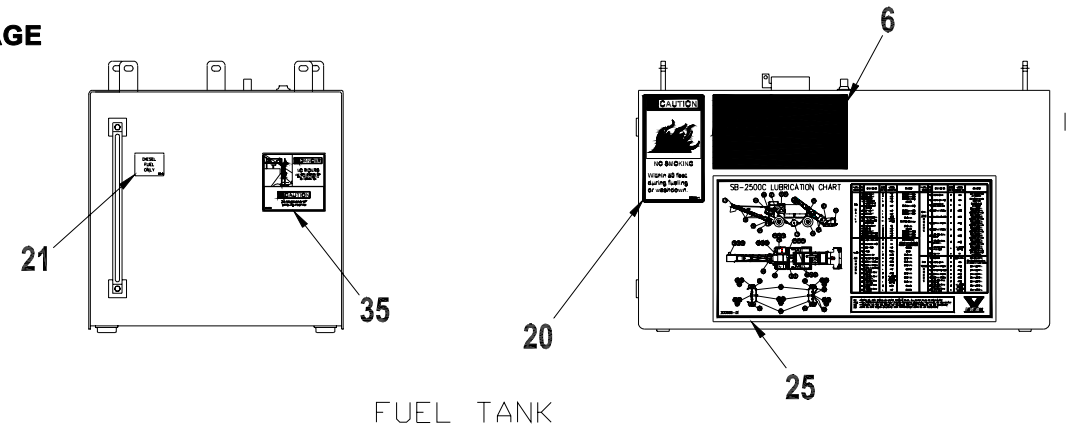


*NOTE ~ ITEMS 13, & 23 HAVE TO BE CLEARLY VISIBLE WHILE STANDING UPRIGHT NEXT TO THE MACHINE

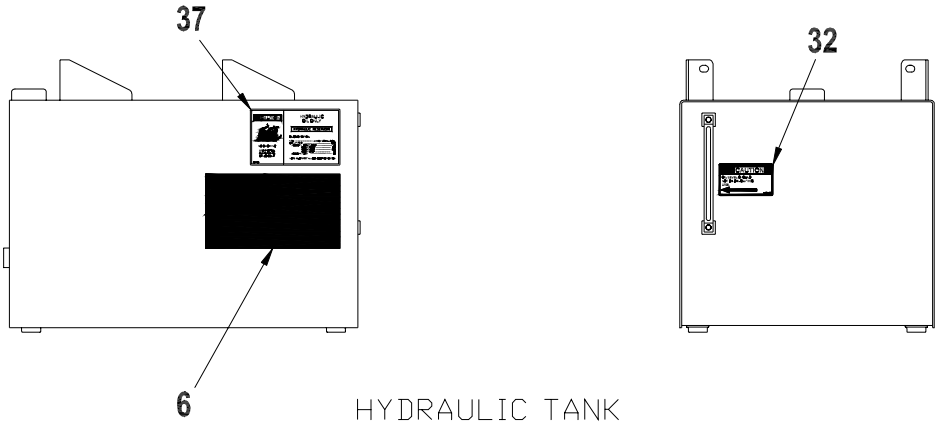
SHOP NOTES:
-ALL DECALS MUST BE APPLIED SO THAT EACH ONE IS CLEARLY VISIBLE
-ITEM 17 TO BE PLACED AT EACH GREASE FITTING OTHER THAN THOSE ON AXLES
-BLACK PAINT TO BE APPLIED TO THE FOLLOWING:

C-1 FRONT END
PLATFORM
ALL HANDRAILS
HOOD
PUSH ROLLER
LADDER

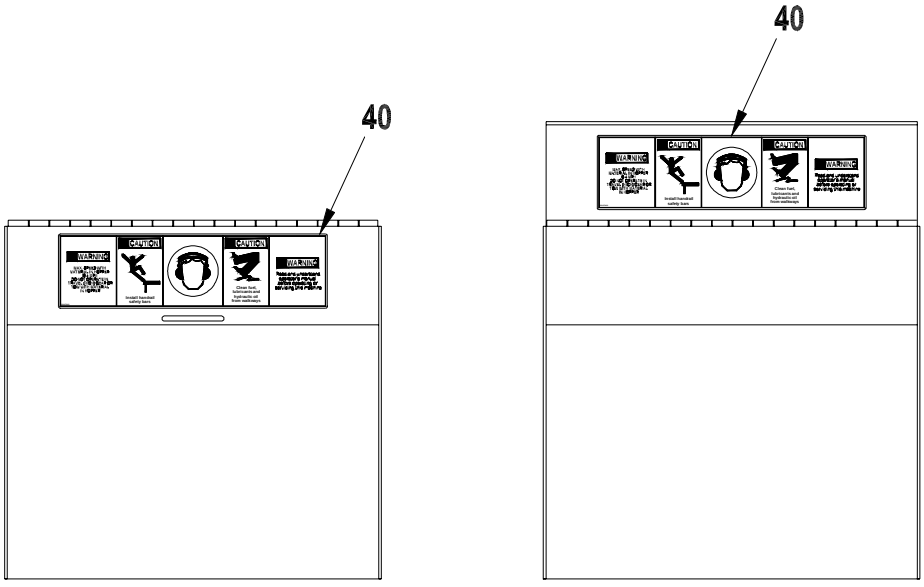
VENDOR NOTES:
-KIT TO BE ARRANGED SEQUENTIALLY BY ITEM NUMBER IN BILL
-INCLUDE (1) COPY OF THIS PRINT IN EACH KIT
-ITEMS 41 THRU 45 ARE NOT TO BE INCLUDED IN KIT



FUEL TANK



HYDRAULIC TANK

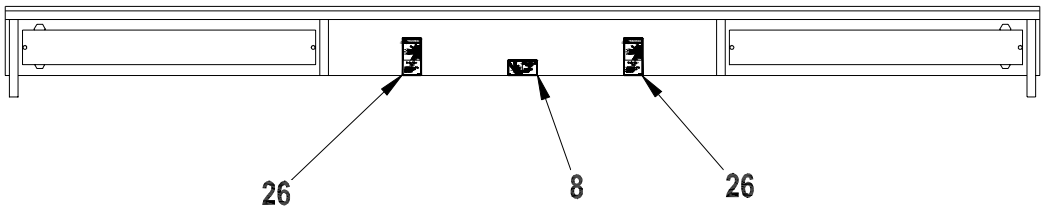


OUTSIDE OF LID

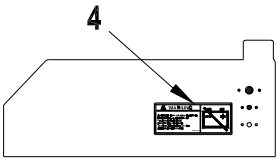
INSIDE OF LID

CENTER CONSOLE

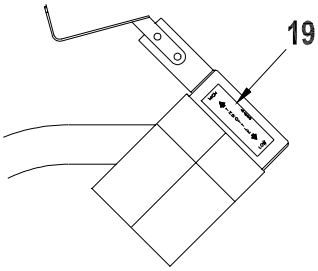
PREVIOUS PAGE



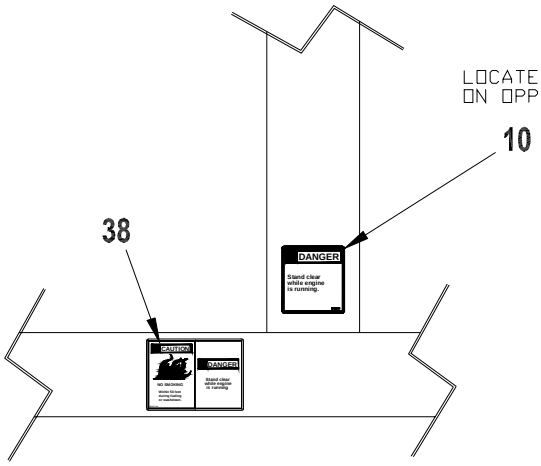
HYDRAULIC PUSH ROLLER



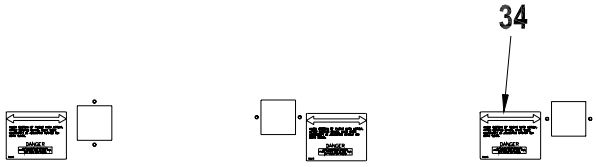
BATTERY BOX



OPERATOR'S CONSOLE PANEL



(VIEW "A")



C-1 C-2 C-3

TYP

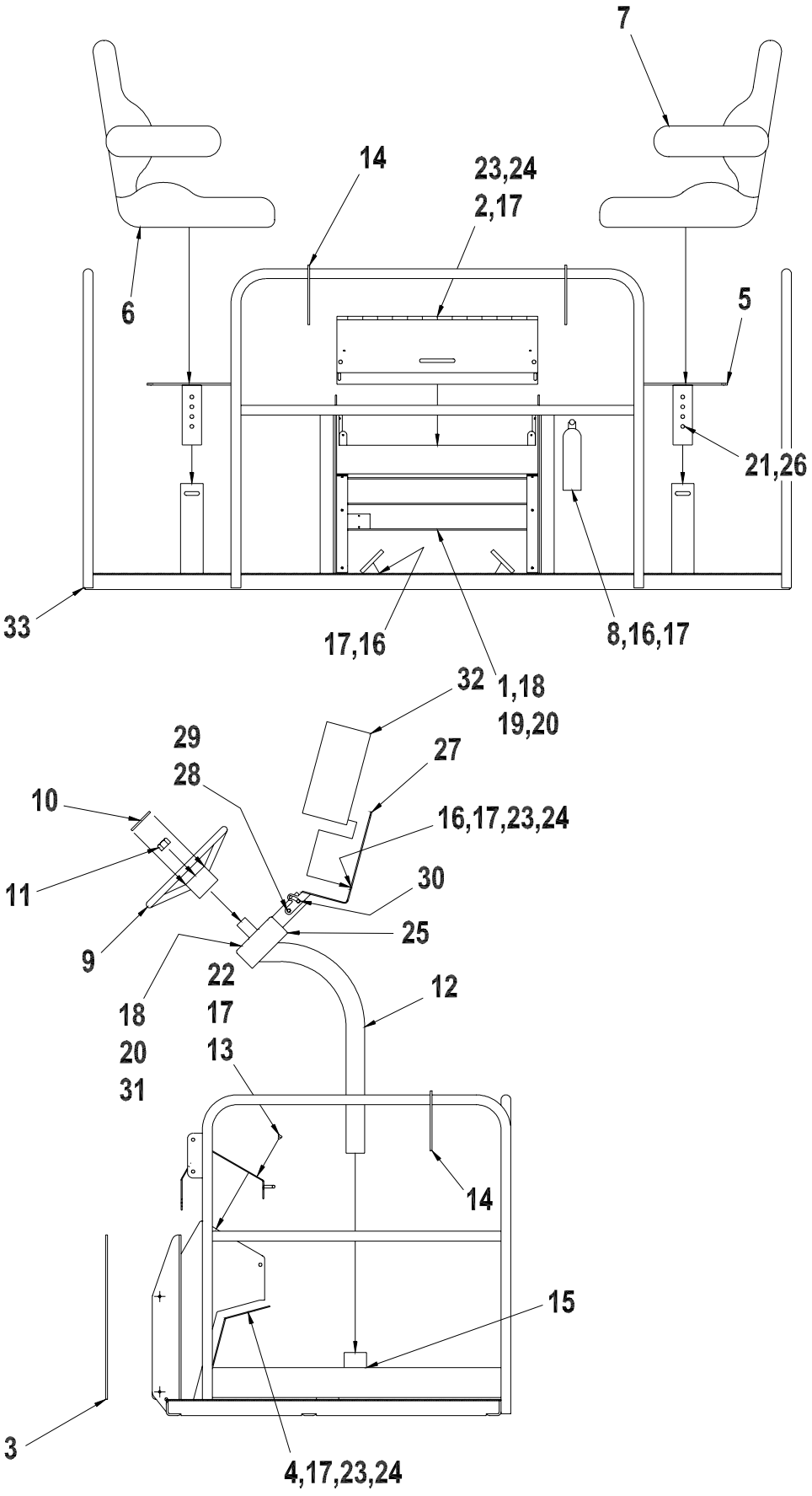
CHAIN TENSION DECAL (ITEM 34) PLACEMENT

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

(213995-01)



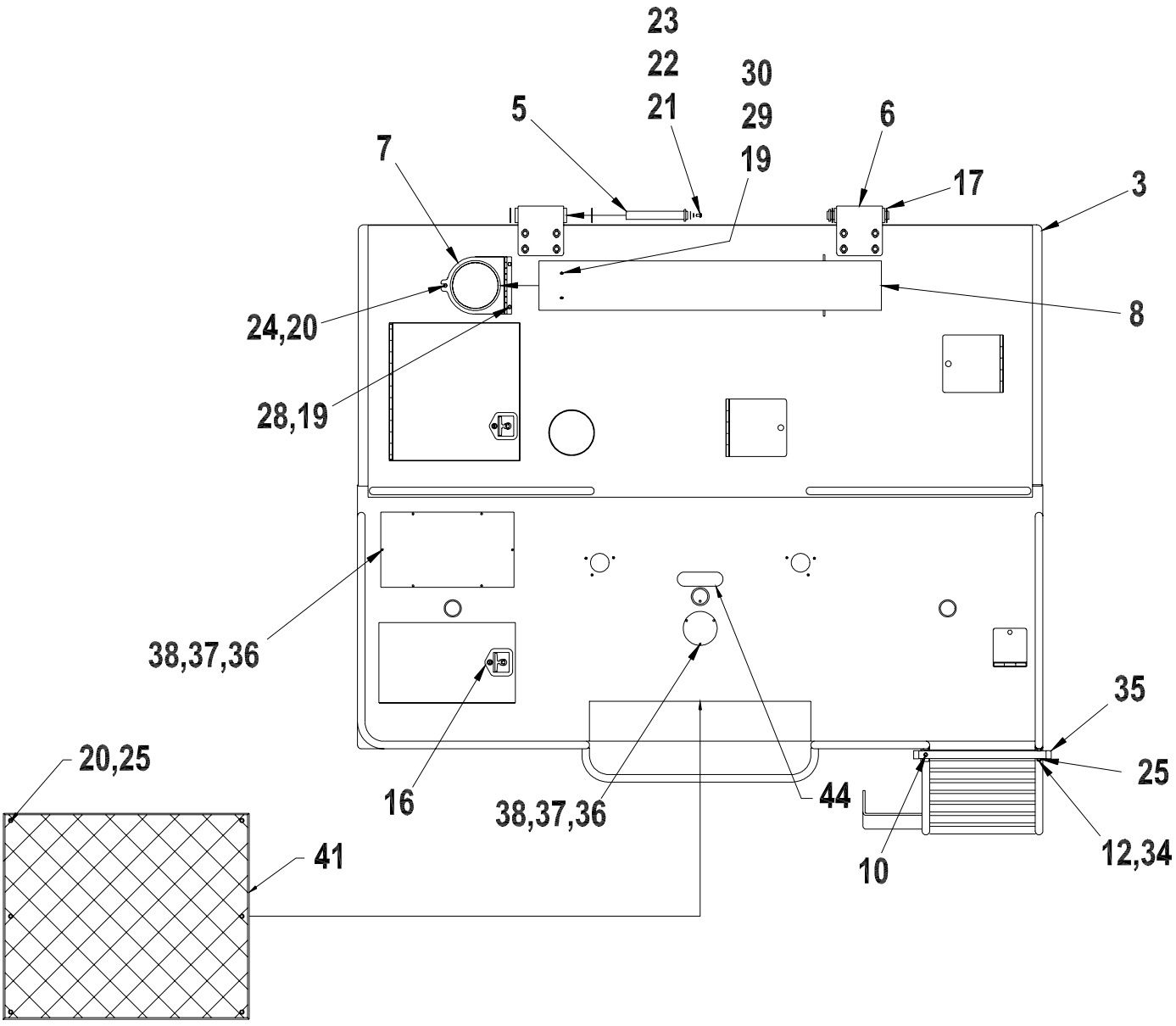
OPERATOR'S STATION ASSEMBLY
(213995-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213980-01	CENTER CONSOLE WELDMENT	1
2	146496-01	VANDAL COVER	1
3	205032-03	REAR CONSOLE COVER	1
4	146498-02	CENTER CONSOLE FRONT COVER	1
5	128095-02	SEAT BASE	2
6	80292	SINGLE LOCKING ADJUSTER	4
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	146499-01	OPERATORS CONSOLE	1
13	O6330	BUMPER - RUBBER CUSHION	2
14	202080-01	MIRROR	1
15	122081-04	HANDLE - CLAMPING (1/2-13 THREADS)	1
16	89773	HEX BOLT - 1/4-20 X 1 GR8	12
17	83065	LOCK WASHER - 1/4 SPRING STEEL	24
18	84332	HEX BOLT - 3/8-16 X 1 GR8	8
19	83056	LOCK WASHER - 3/8 SPRING STEEL	4
20	83757	FLAT WASHER - 3/8 STEEL	8
21	84431-04	HEX BOLT - 1/2-13 X 4 GR8	2
22	89772	HEX NUT - 1/4-20 GR8	6
23	89988-04	HEX BOLT - 1/4-20 X 3/4 GR8	10
24	84444	FLAT WASHER - 1/4 STEEL	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	99386	UNIVERSAL UMBRELLA BRACKET	1

PLATFORM & HOOD ASSEMBLY

(213800-01)

NEXT PAGE

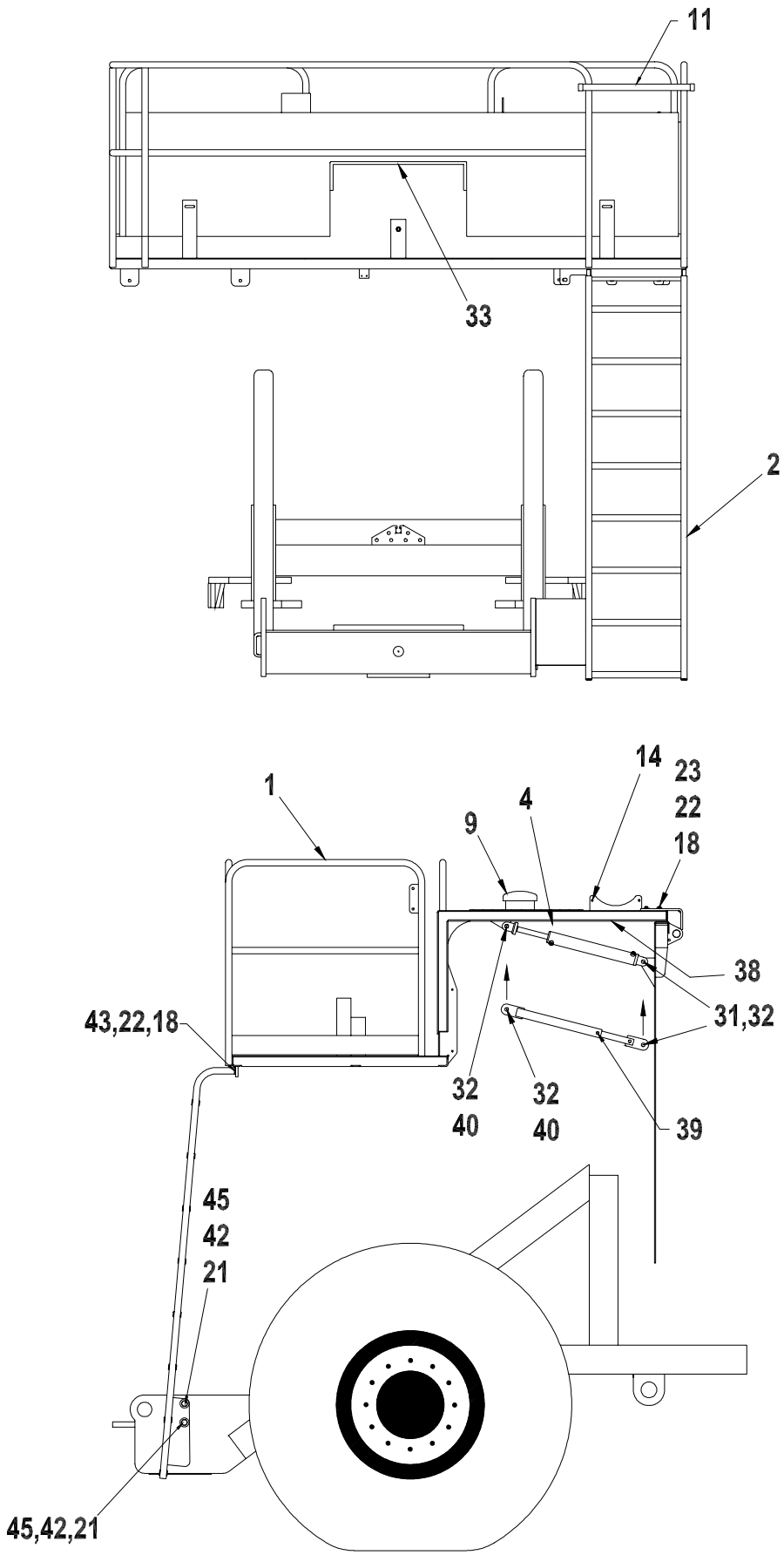


BOLT ITEM 41 TO TOP OF
C-2 CONVEYOR USING THE
6 PROVIDED STUDS LOCATED
ON THE UPPER SIDEWALLS

PLATFORM & HOOD ASSEMBLY

(213800-01)

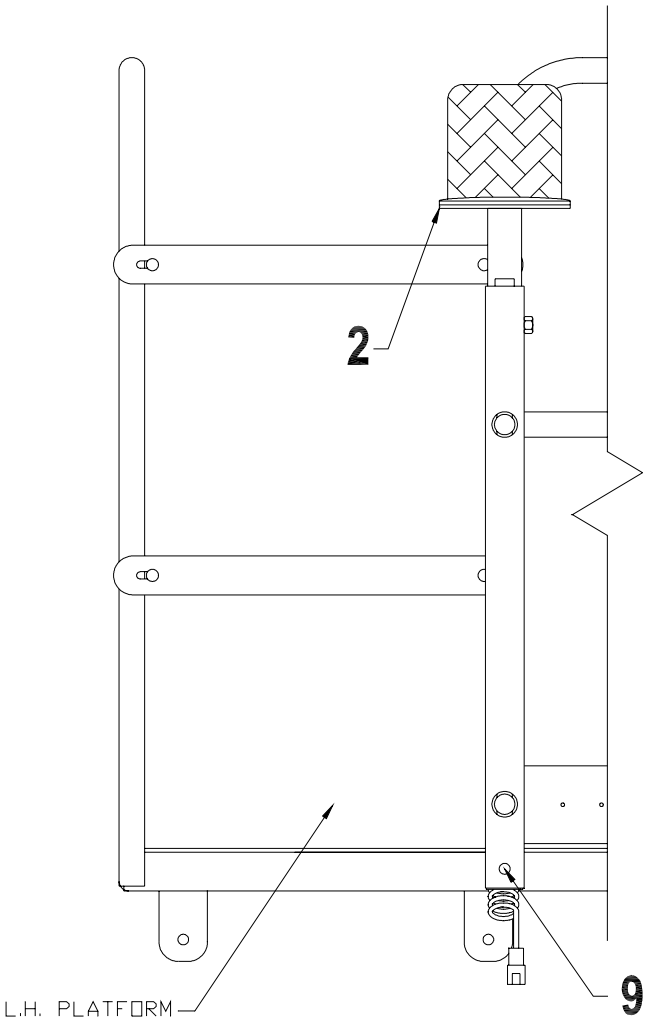
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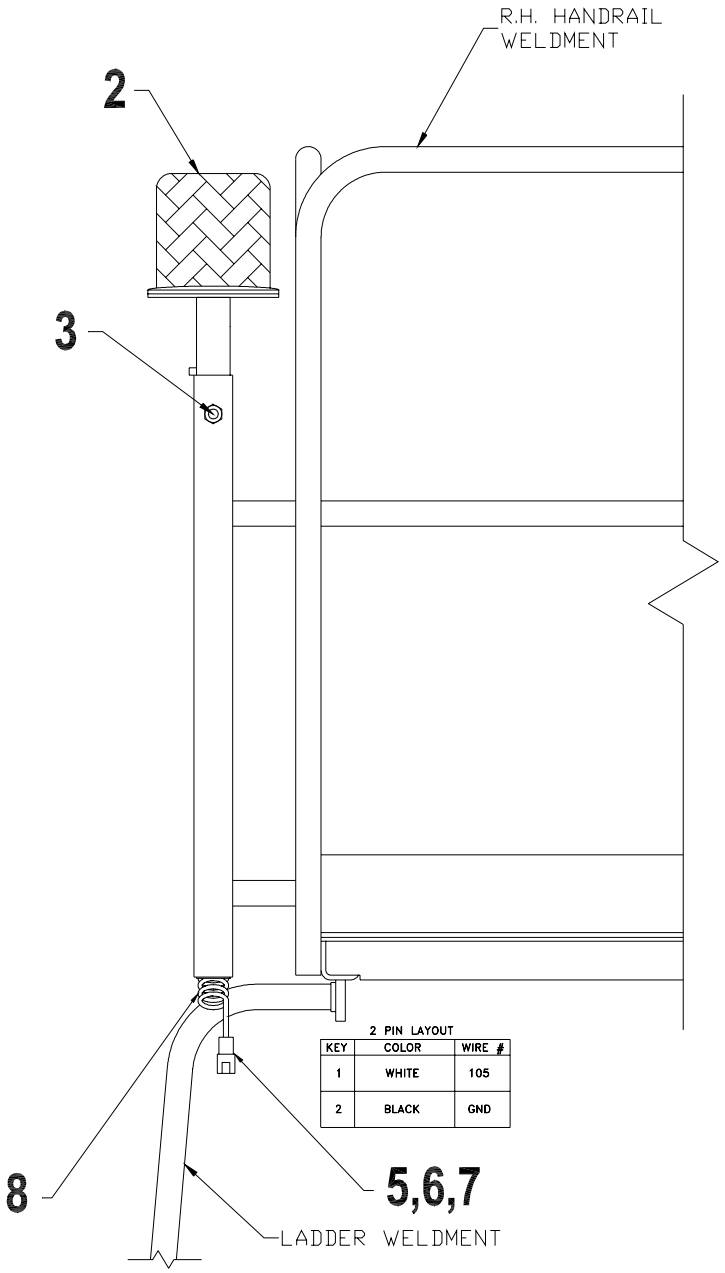


PLATFORM & HANDRAIL ASSEMBLY
(213800-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200206-01	PLATFORM	1
2	213714-01	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	1
12			
13			
14	211249-04	BUNGEE 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	10
19	83056	LOCK WASHER - 3/8 SPRING STEEL	7
20	83757	FLAT WASHER - 3/8 STEEL	7
21	83752-04	LOCK WASHER - 3/4" SPRING STEEL	2
22	83317	LOCK WASHER - 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	8
26	93402	HEX BOLT - 1-8 X 2 1/2" GR8	1
27	83376-04	FLAT WASHER - 1" STEEL	1
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	2
32	88164	TOP LOCKNUT - 3/4-10 GR8	4
33	149090	TRIM - 3/4 BULB (1/4" SIDE MOUNT)	40"
34	87339-C5	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	LOCK WASHER - 1/4 SPRING STEEL	13
38	84444	FLAT WASHER - 1/4 STEEL	13
39	205278-04	SAFETY SNAP PIN - 1/2 X 3	1
40	89151	HEX BOLT - 3/4-10 X 3 GR8	2
41	206597-04	PLATFORM INSULATION	1
42	122336	HEX BOLT - 3/4-16 X 3"	2
43	10D63	HARD WASHER - 1/2 STEEL	2
44	86505-04	MOLDING 3/8" INTERLOCK TRIM	18"
45	83133	FLAT WASHER - 3/4" STEEL	2

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





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

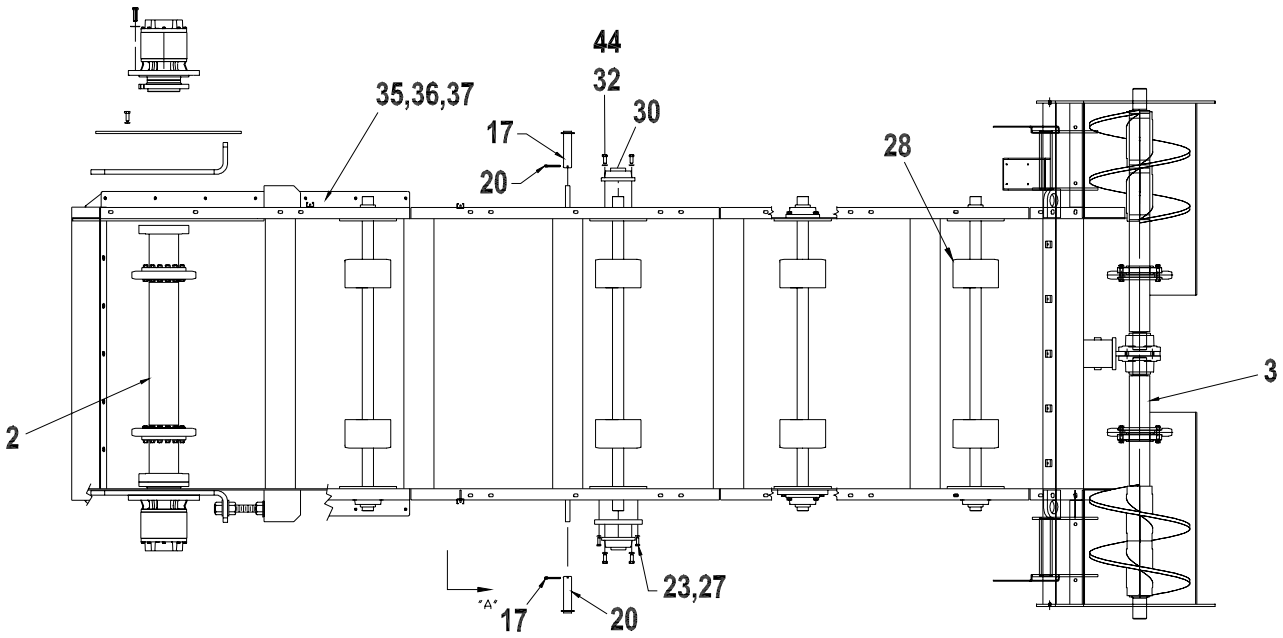
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	209506-01	STROBE MOUNT WLDMT.	1
2	204123-04	LIGHT - 80 / MIN 12V STROBE	1
3	135982-04	WING BOLT - 1/2-13	1
4	20K32	CLAMP - 1/4" WIRE LOOM	1
5	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
6	137176-04	DEUTSCH 16 AWG PINS	2
7	206401-04	DEUTSCH SECONDARY LOCK	1
8	98237-04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

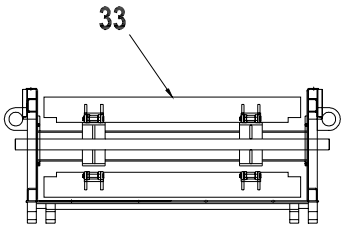
SECTION 3 : CONVEYORS

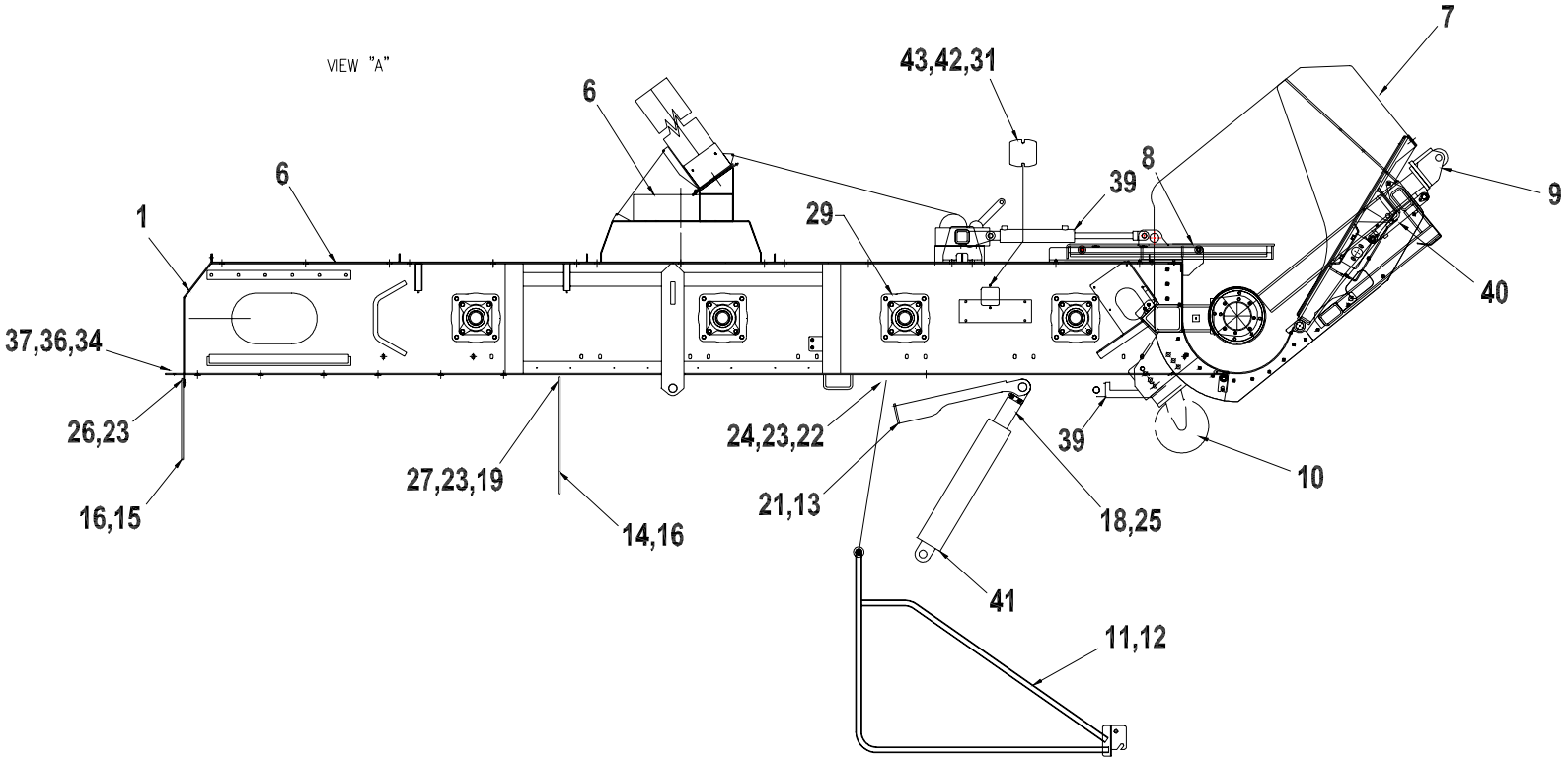
ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	213511-01	808 & UP	3.1
CHAIN	200735-02		3.3
FOOTSHAFT & AUGER	213510-01	808 & UP	3.5
HEADSHAFT & TAKE- UP	211287-01	761 & UP	3.7
TOP COVER W/FUME	210552-01	752 & UP	3.9
WEAR PLATES	207695-01		3.11
DUMP HOPPER	207697-01		3.13
VIBRATOR	133304-01	602 & UP	3.15
BAFFLE	210610-01		3.17
HYD. PUSH ROLLER	212468-01	780 & UP	3.25
CASTER & SKIDS	148085-01		3.27
GREASE LINES	200733-01	776 & UP	3.29
C-2 CONVEYOR	214147-01	816 & UP	3.31
C-2 CONVEYOR	213542-01	804 & UP	3.35
CHAIN & IDLER	214144-01	816 & UP	3.37
CHAIN & IDLER	213671-01		3.39
FOOTSHAFT & AUGER	211677-01	768 & UP	3.41
HEADSHAFT & TAKE-UP	211090-01	754 & UP	3.43
LINER & BOTTOM PLATE	214137-01	816 & UP	3.45
LINER & BOTTOM PLATE	213541-01		3.47
FLOWGATES	202752-01	664 & UP	3.49
C-3 CONVEYOR	213666-01	804 & UP	3.51
CHAIN & IDLER	213665-01		3.55
TOP COVER W/FUME	204788-01	682 & UP	3.59
INSULATION PANEL & TRUCK RAIL	200528-01		3.61

ROADTEC
an Astec company

C-1 CONVEYOR ASSEMBLY
(213511-01)



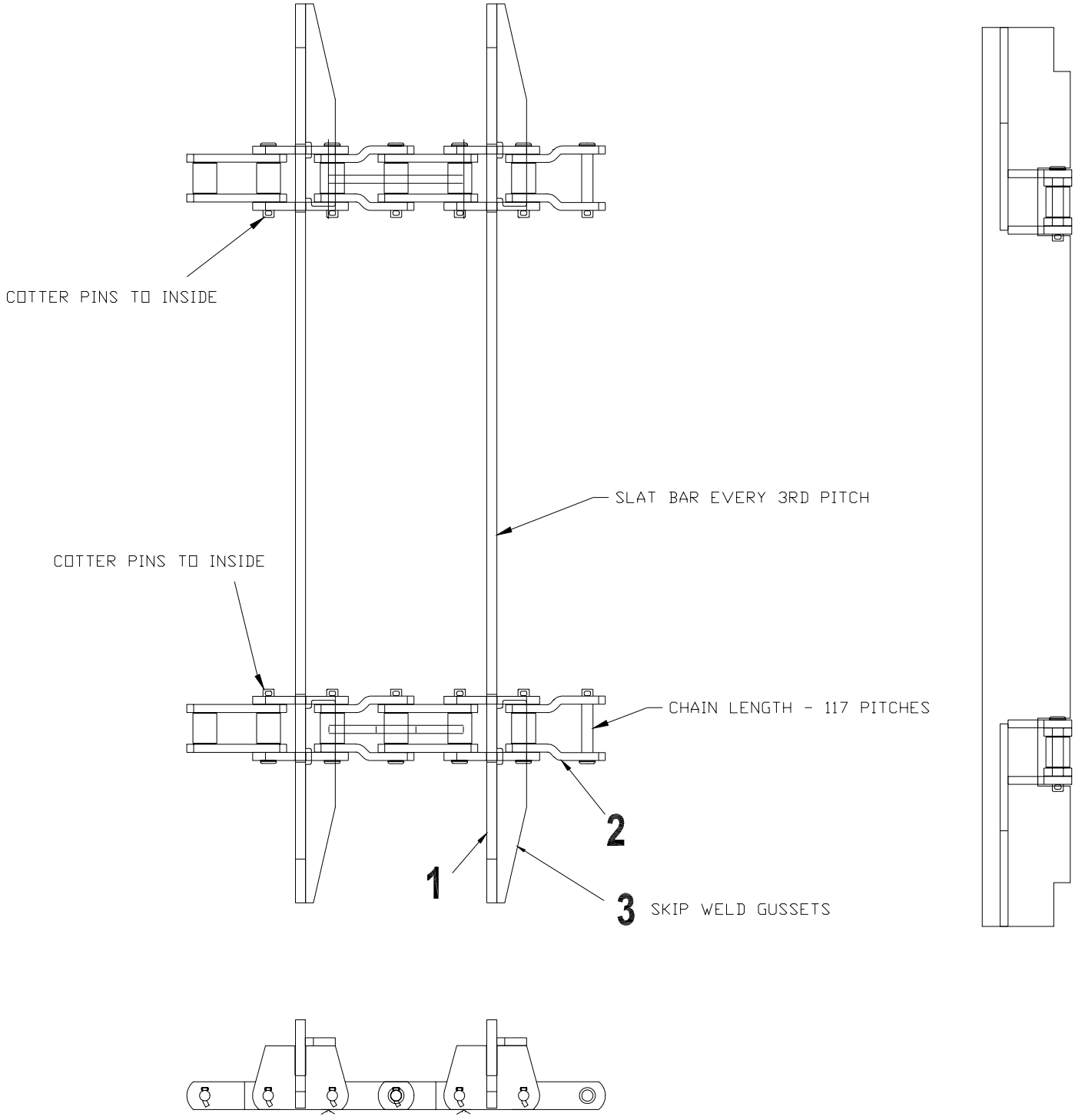




C-1 CONVEYOR ASSEMBLY
(213551-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213685-01	C-1 CONVEYOR	1
2	211287-01	C-1 HEAD SHAFT & TAKE-UP	1
3	213510-01	C-1 FOOT SHAFT & AUGER	1
4	207695-01	C-1 WEAR PLATES	1
5	200733-01	C-1 GREASE LINES	1
6	210552-01	C-1 TOP COVER & FXS	1
7	207697-01	C-1 DUMP HOPPER	1
8	210541-01	C-1 BAFFLE	1
9	212468-01	C-1 PUSH ROLLER	1
10	148085-01	C-1 CASTER & SKID RUNNER	1
11	207690-01L	C-1 L.H. GUARD RAIL	1
12	207690-01R	C-1 R.H. GUARD RAIL	1
13	207691-01	C-1 CYLINDER PROP	2
14	207381-03	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	2
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	LOCK WASHER 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	4
30	88993-04	IDLER BEARING 2 7/16"	8
31	129097	WING NUT - 3/8-16	2
32	89143	HEX BOLT - 5/8-11 UNC X 1 3/4"	32
33	200735-02	C-1 CHAIN ASSY.	1
34	129238-03	CANVAS CLAMP BAR C-1 END	1
35	204707-03	CANVAS CLAMP BAR SIDE	4
36	89987-04	WING BOLT 3/8 - 16 X 1"	17
37	83757	FLAT WASHER 3/8"	17
38	201154-03	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	84717	LOCK WASHER - 5/8 SPRING STEEL	32
45	138885-03-C2	KIT - KEEPER PIN	2

C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

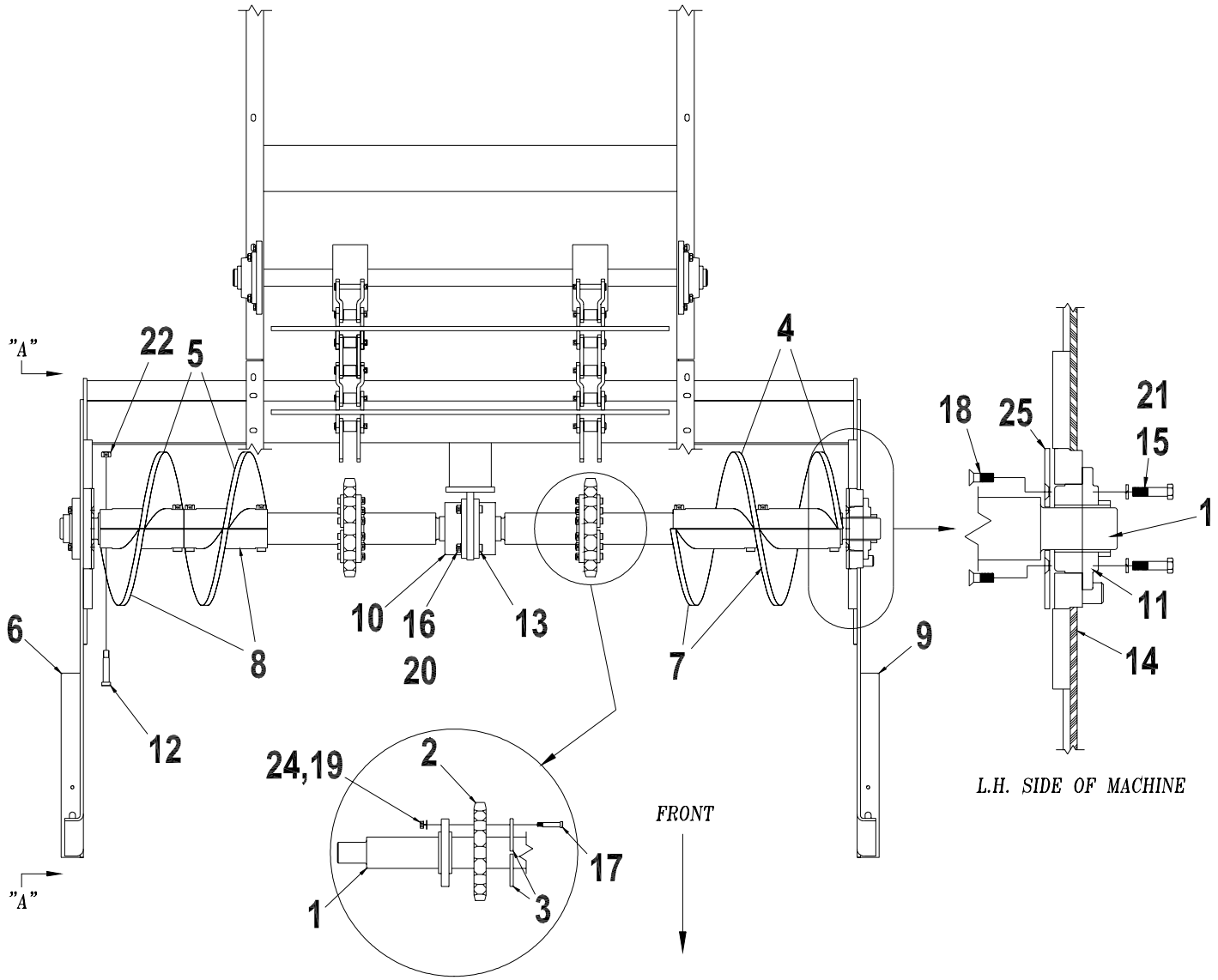


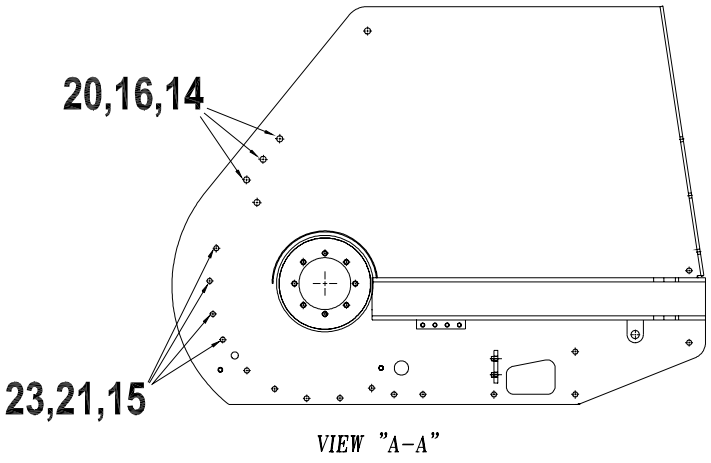
C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

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

C-1 FOOTSHAFT & AUGER ASSEMBLY

(213510-01)





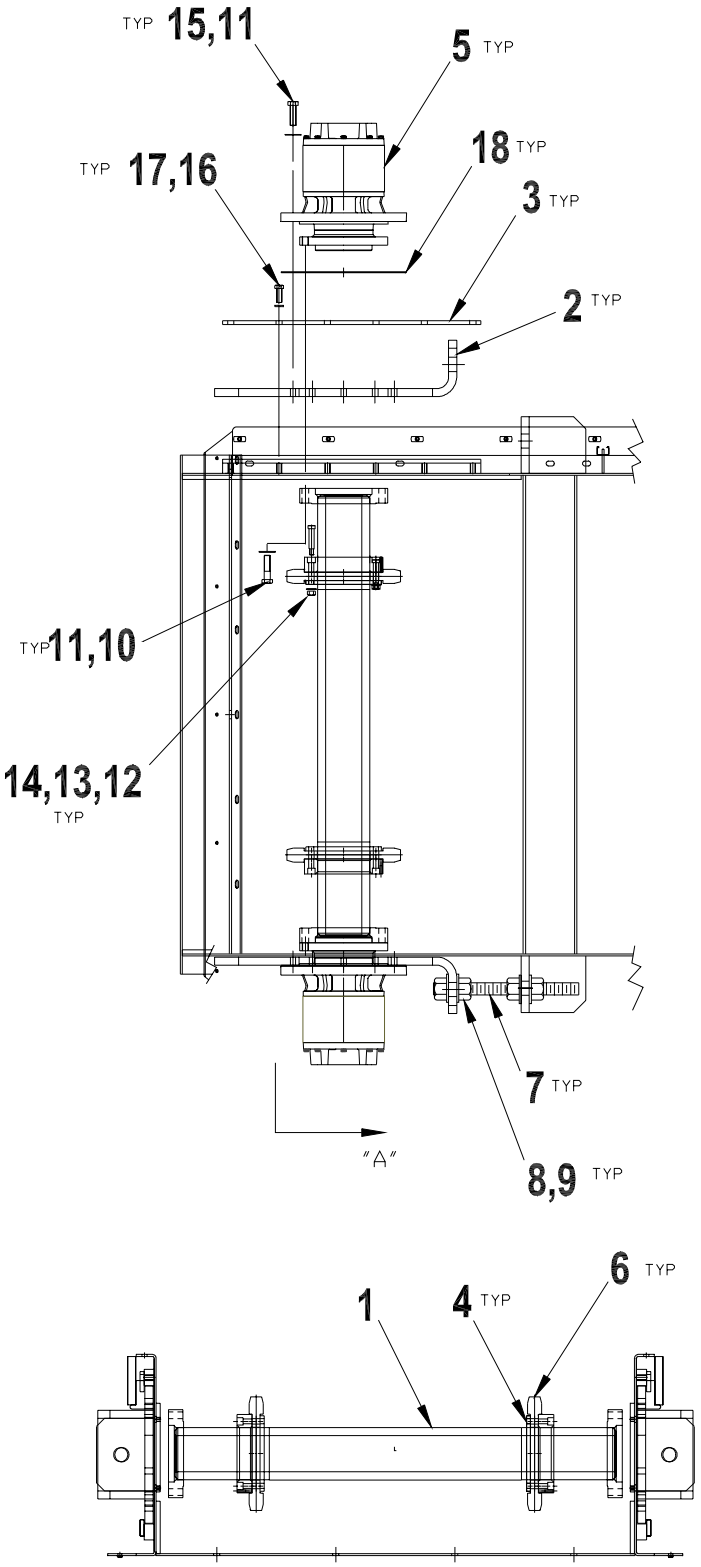
VIEW "A-A"

C-1 FOOTSHAFT & AUGER ASSEMBLY
(213510-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	205952-03	C-1 FOOT SHAFT	2
2	139350-02	MACHINED 10 TOOTH SPROCKET	2
3	139665-04	SPROCKET COVER PLATE	4
4	200308-01	12" LEFT PITCH AUGER	2
5	200310-01	12" RIGHT PITCH AUGER	2
6	213508-01	RH SIDE PLATE	1
7	200309-01	12" LEFT PITCH AUGER	2
8	200311-01	12" RIGHT PITCH AUGER	2
9	213509-01	LH C-1 SIDE PLATE WLDMT.	1
10	29M98	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
11	122266-04	BEARING - 4 BOLT FLANGE (3.0 SHAFT)	2
12	200318	SCREW - SOC- HD - 7/8-9 X 7	12
13	141568	SCREW - SOC-HD - 3/4-10 X 3 1/2	4
14	93071	HEX BOLT - 3/4-10 X 2 GR8	6
15	96041	HEX BOLT - 5/8 - 11 X 2 GR8	16
16	84071-04	HEX NUT - 3/4-10 GR8	16
17	138651-04	SHOULDER BOLT - 5/8-2 1/2 (1/2-13 UNC)	24
18	91223-04	CSK. BOLT - 5/8"-11 UNC X 1 3/4"	8
19	10D63	WASHER - 1/2 HARD STEEL	24
20	83752-04	LOCK WASHER - 3/4 SPRING STEEL	16
21	84717	LOCK WASHER - 5/8 SPRING STEEL	24
22	132058-04	TOP LOCK NUT - 7/8-9 GR8	12
23	85148	HEX NUT - 5/8-11 GR8	8
24	139741-04	HEX LOCKNUT - 1/2-13 CENTER GRIP GR8	24
25	212485-03	COVER PLATE	2

C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY

(211287-01)



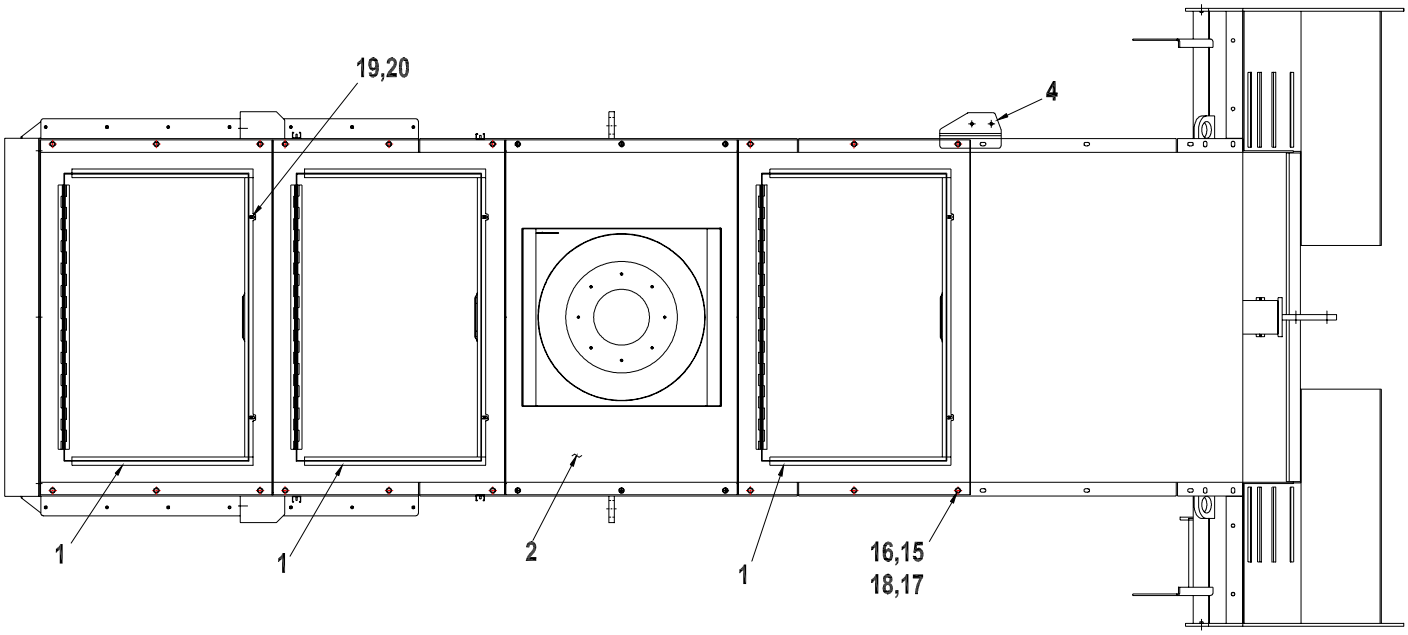
VIEW "A"

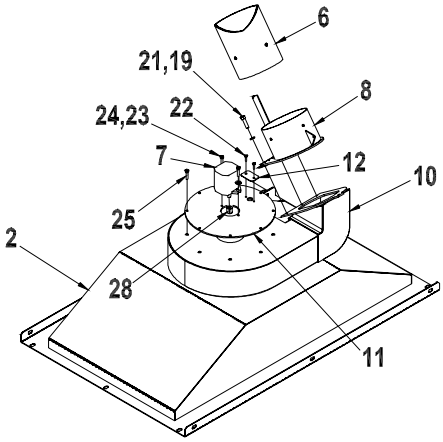
C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY
(211287-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	210723-01	C1 HEAD SHAFT	1
2	200712-01	C1 TAKE-UP BRACKET	2
3	122419-03	UPPER KEEPER BAR	2
4	139665-04	SPROCKET COVER PLATE	4
5	29E38	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	LOCK WASHER, 3/4	42
12	138651-04	HEX BOLT, 5/8 X 2 1/2 SHOULDER	24
13	10D63	WASHER, 1/2 HARD, A325	24
14	139741-04	HEX NUT, 1/2 - 13 CENTER LOCK 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	LOCK WASHER, 5/8	12
18	211345-03	C-1 HEAD SHAFT SPACER	4

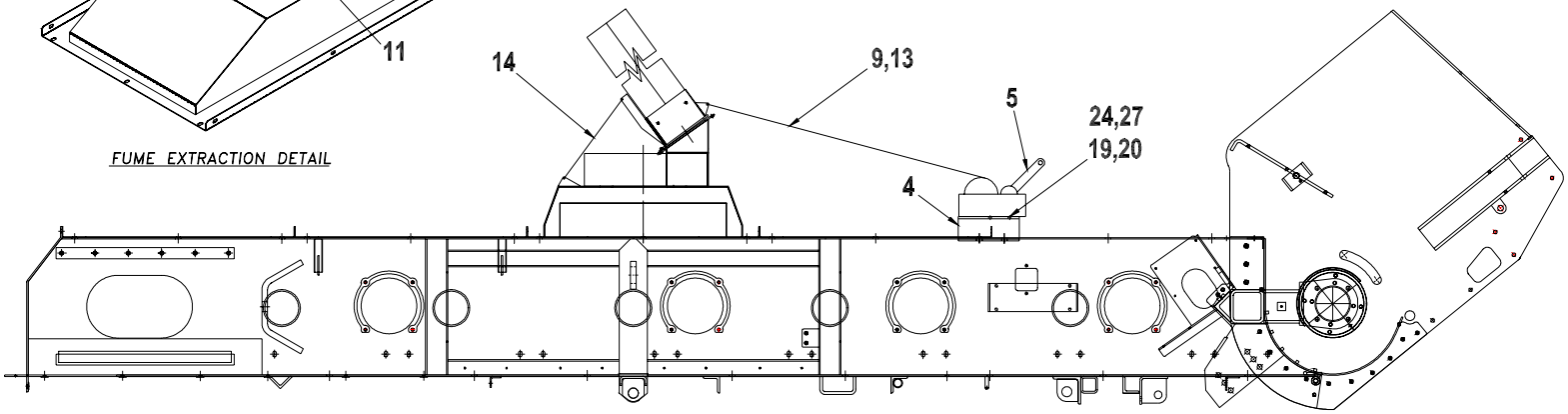
C-1 CONVEYOR TOP COVER & FXS ASSEMBLY

(210552-01)





FUME EXTRACTION DETAIL

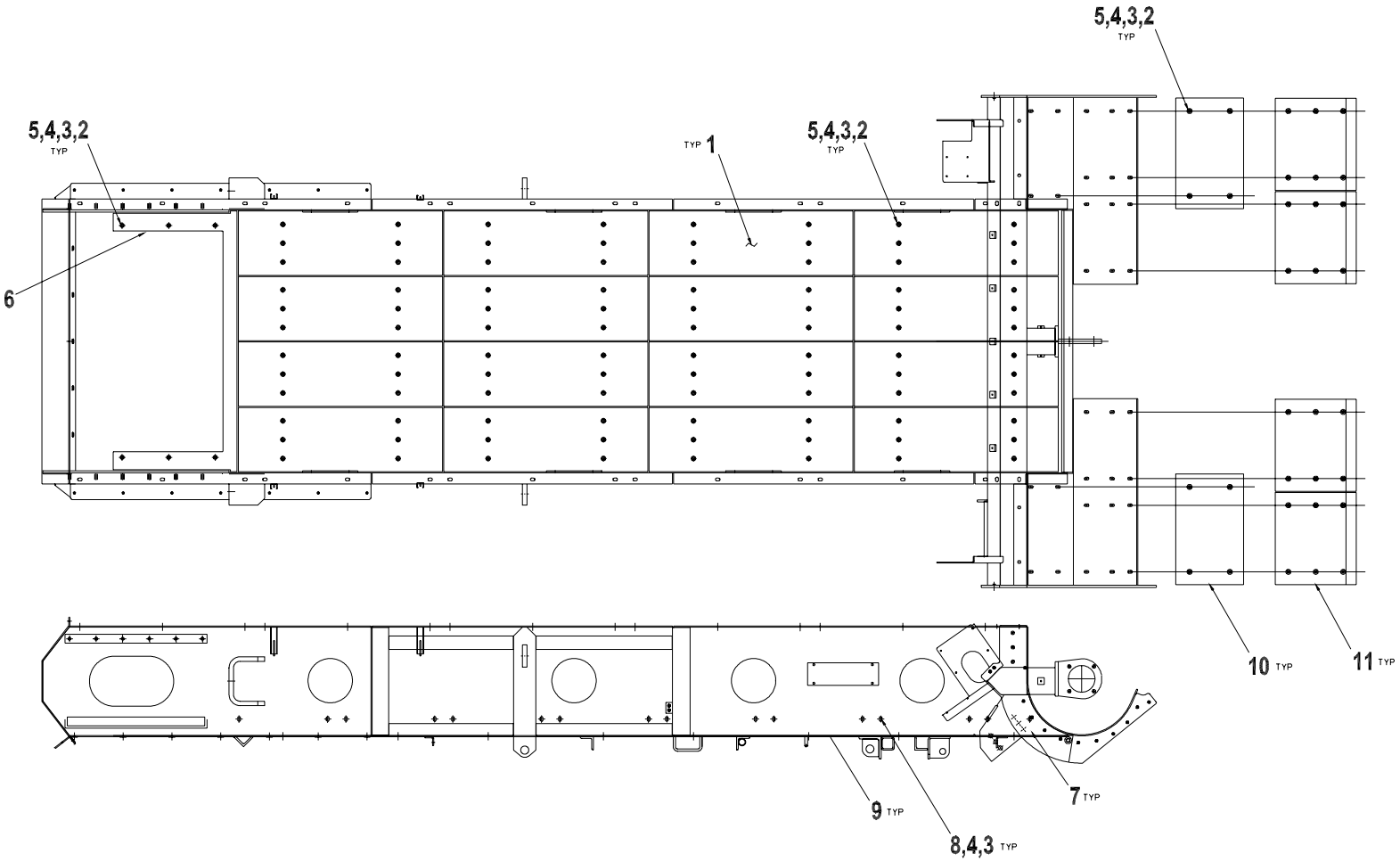


C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(210552-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200715-01	TOP COVER PLATE	3
2	200719-01	TOP COVER FXS	1
3			
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	37
16	83781-04	FLAT WASHER, 1/2	95
17	83317	LOCK WASHER, 1/2	39
18	83288	HEX NUT, 1/2 - 13 GR 8	39
19	83056	LOCK WASHER, 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			
27	83757	FLAT WASHER, 3/8	6
28	130665-04	BUSHING & KEY	1

C-1 CONVEYOR WEAR PLATE ASSEMBLY

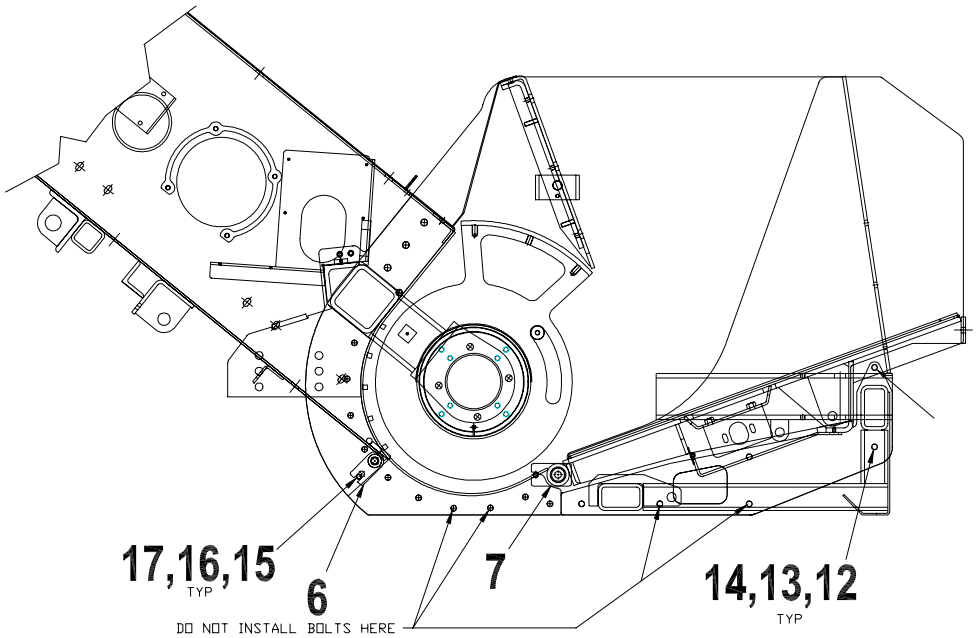
(207695-01)

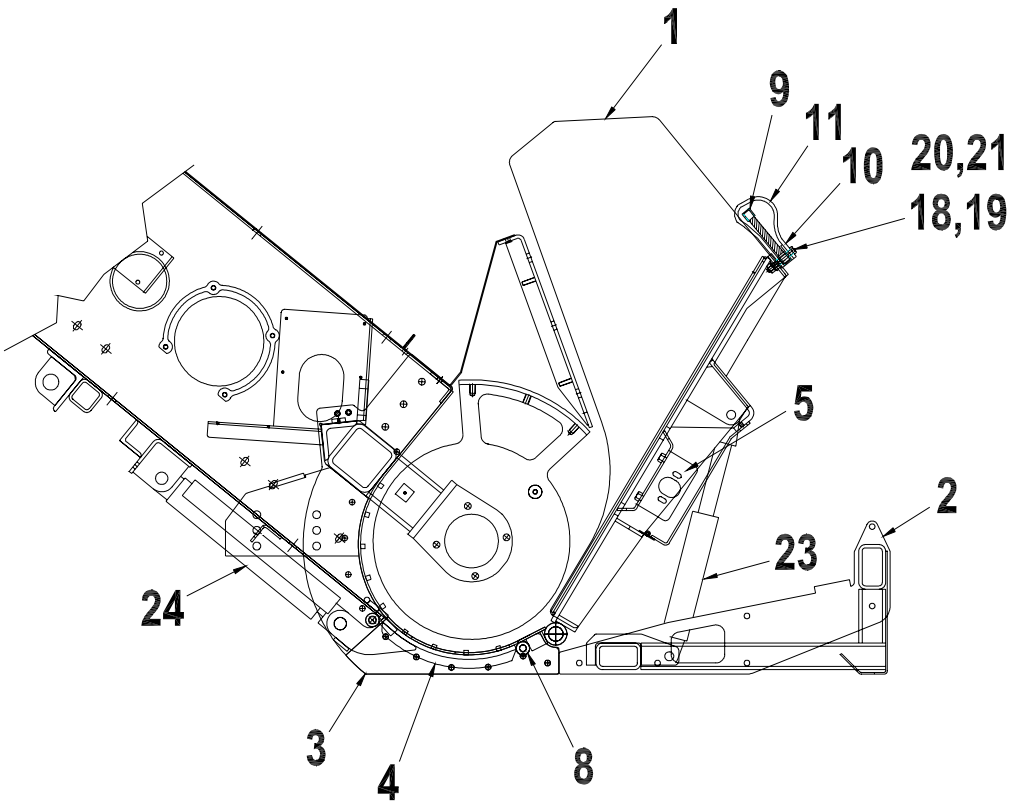


C-1 CONVEYOR WEAR PLATE ASSEMBLY
(207695-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	98961-03	C1 LINER PLATE, CASTING NI-HARD	16
2	95847	CSK BOLT, 1/2 - 13 X 2	70
3	83781-04	FLAT WASHER, 1/2	102
4	83317	LOCKWASHER, 1/2	102
5	83288	HEX NUT, 1/2 - 13, GR 8	70
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
10	207704-03	AUGER LINER PLATE BOLT-IN	2
11	207705-03	BELLY LINER PLATE BOLT-IN	4

C-1 CONVEYOR DUMP HOPPER ASSEMBLY
(207697-01)





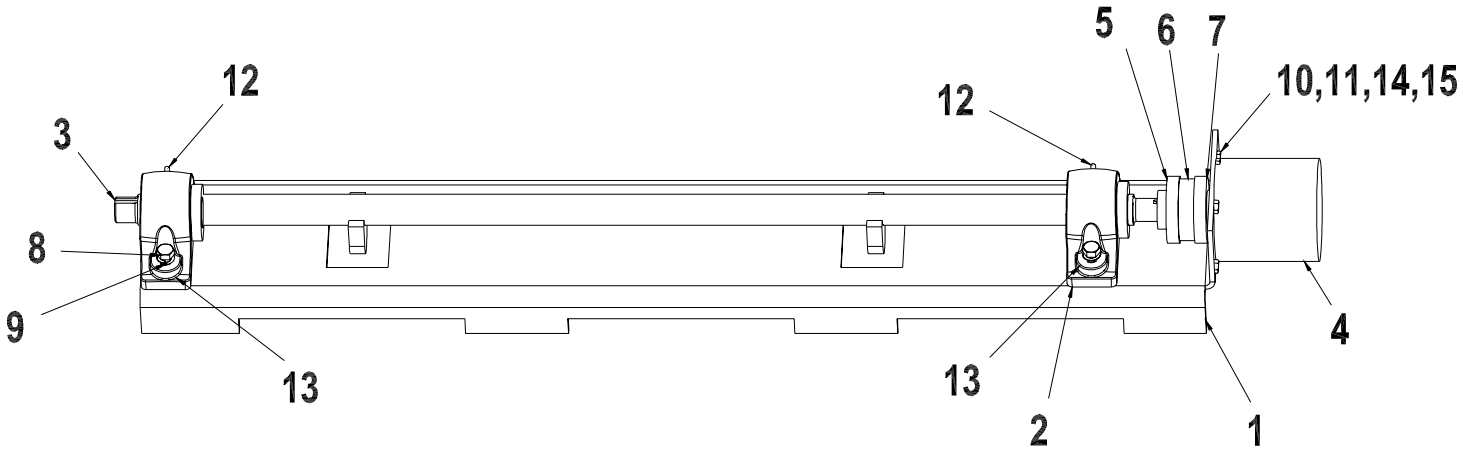
SIDE VIEW, SIDEPLATE REMOVED

C-1 CONVEYOR DUMP HOPPER ASSEMBLY
(207697-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147978-01	DUMP HOPPER	1
2	147962-01	C1 HOPPER UNDERCARRIAGE	1
3	207707-01	C1 HOPPER SUB-WELDMENT	1
4	207708-01	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	2
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	18
14	85148	HEX NUT, 5/8 - 11 GR 8	18
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	137265	SCREW - 5/8-11 X 2 S.H.C.S.	2
23	N/A	C1 CLEANOUT DOOR HYD. ASSEMBLY	REF
24	N/A	C1 DUMP, BAFFLE, & VIBRATOR HYD ASSY.	REF

DUMP HOPPER VIBRATOR ASSEMBLY

(133304-01)

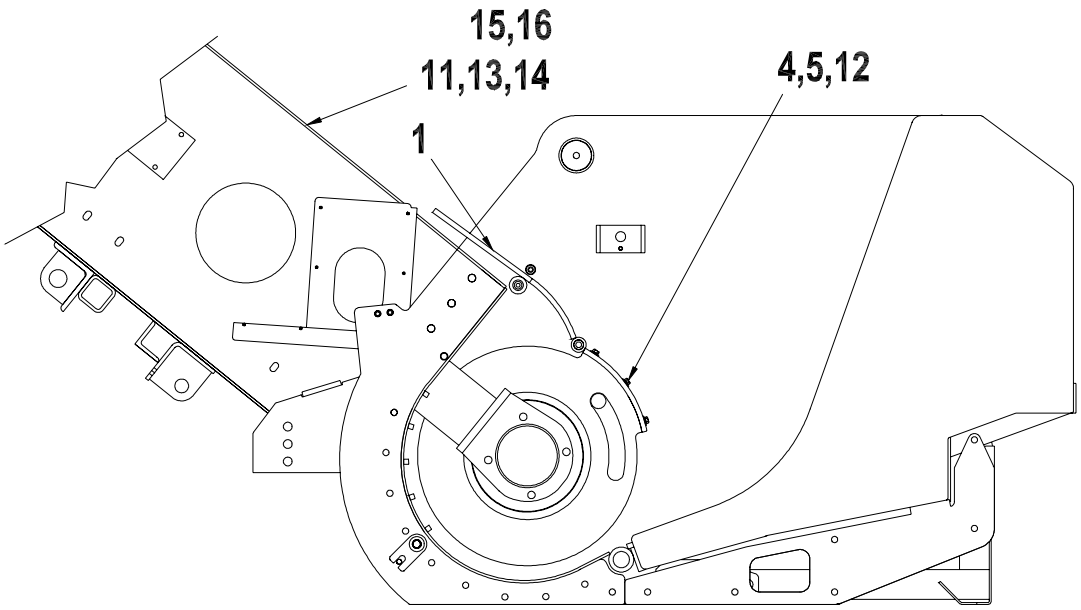


C-1 DUMP HOPPER VIBRATOR ASSEMBLY
(133304-01)

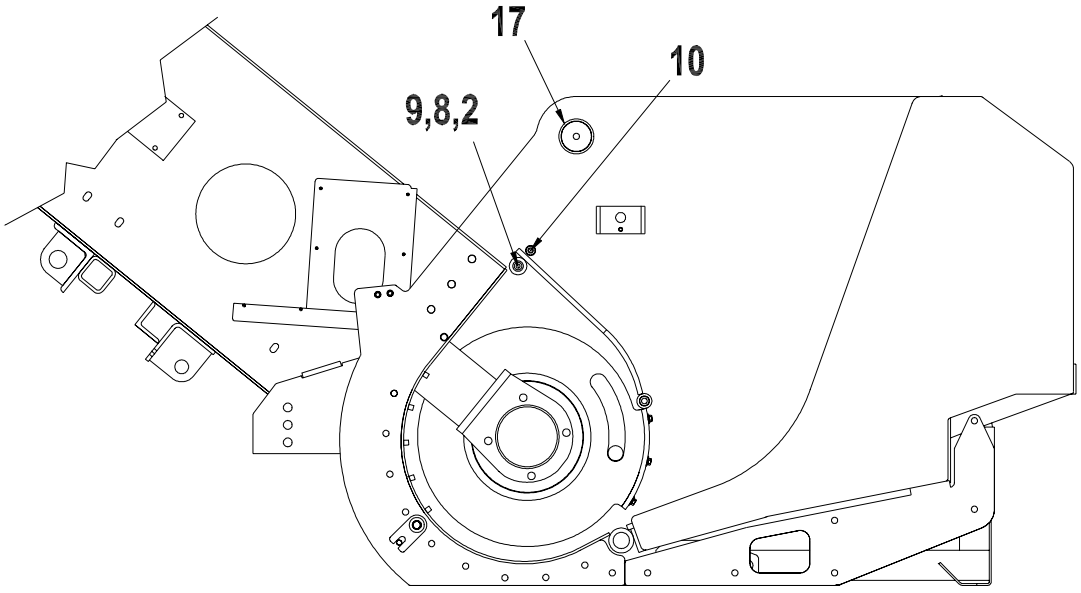
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	133303-01	VIBRATOR BASE 12 3/8 X 55 3/4"	
2	97617	BEARING - 1 1/2" NON-EXPANDABLE	2
3	140591-02	VIBRATOR SHAFT	1
4	99933	VIBRATOR MOTOR	1
5	131918-04	S FLEX COUPLING	1
6	131920-04	S FLEX COUPLING	1
7	131919-04	S FLEX COUPLING	1
8	93121	BOLT, HEX 1/2 - 13 X 2 1/2" 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
(210610-01)

NEXT PAGE



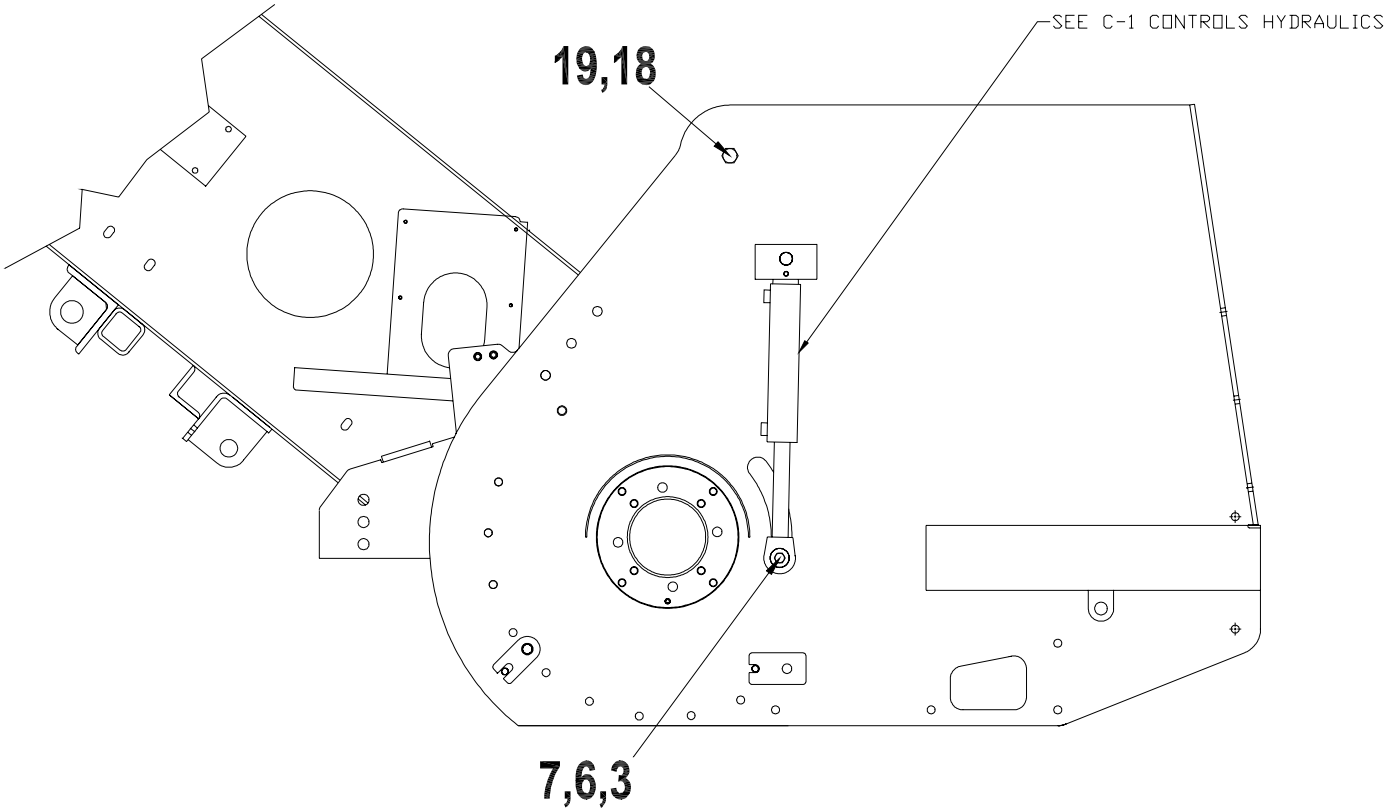
R.H. VIEW
BAFFLE OPEN
(R.H. SIDEPLATE REMOVED)



SIDE VIEW
BAFFLE CLOSED
(R.H. SIDEPLATE REMOVED)

C-1 BAFFLE ASSEMBLY
(210610-01)

PREVIOUS PAGE

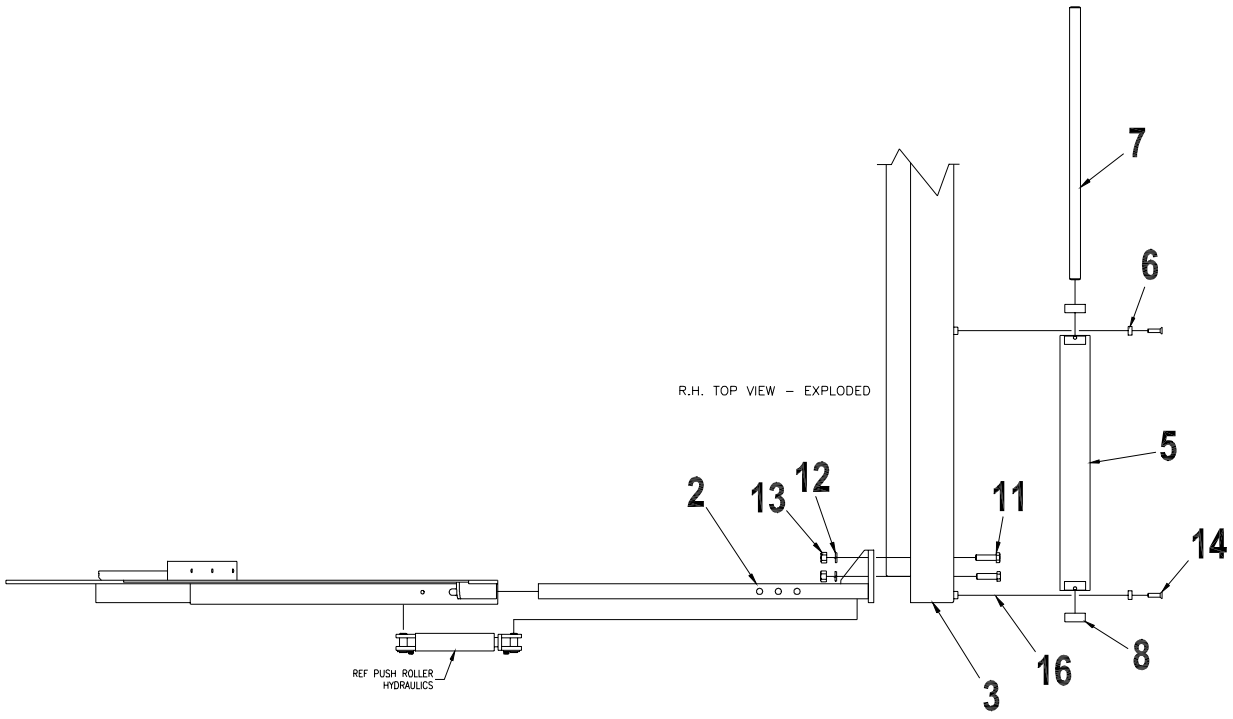


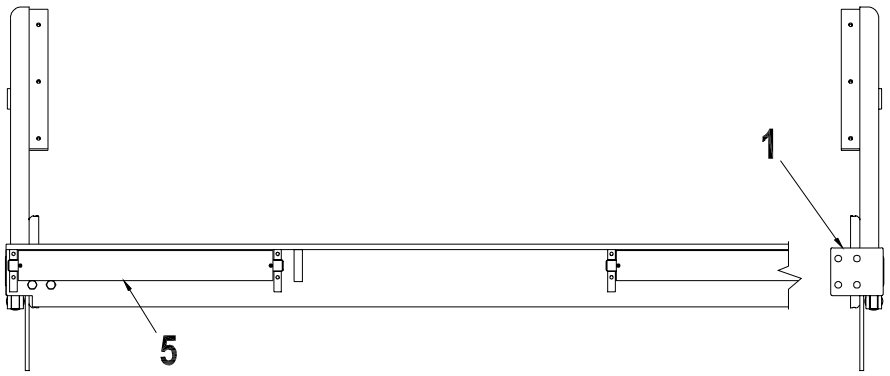
C-1 BAFFLE ASSEMBLY
(210610-01)

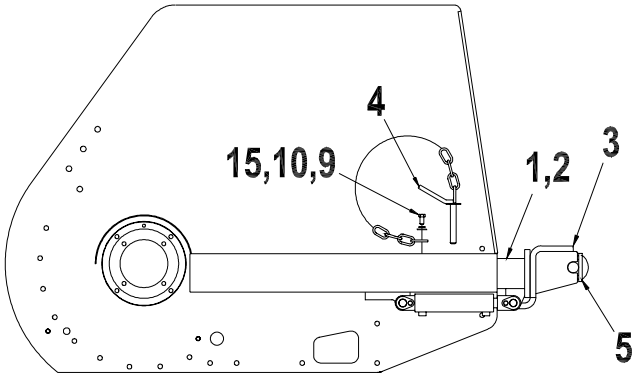
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	210584-01	C-1 BAFFLE PLATE	1
2	137544-04	BEARING - CAM FOLLOWER	2
3	147993-03	RETAINER PLATE	2
4	84722	BOLT, SOCKET HD. 5/8 - 11 X 1 1/2"	6
5	84717	LOCKWASHER 5/8"	6
6	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	2
7	83056	LOCKWASHER 3/8"	2
8	OO659	PIPE - 3/4" SCH. 40 X 1/2" LG	2
9	97169	JAM NUT - 3/4-16	2
10	201736-04	SHOULDER BOLT - 3/4 X 1 1/4, 5/8-11	2
11	210192-01	C-1 TOP COVER	1
12	26F83	HARD WASHER - 5/8"	6
13	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	9
14	83317	NUT, LOCK 1/2 - 13 SPRING STEEL	9
15	83781-04	FLAT WASHER 1/2" STEEL	9
16	83288	HEX NUT - 1/2-13 GR8	9
17	210540-03	C-1 ENDPLATE STIFFENER WLDMT.	1
18	93071	HEX BOLT - 3/4-10 X 2" GR8	2
19	83752-04	LOCKWASHER - 3/4" SPRING STEEL	2

HYDRAULIC PUSH ROLLER ASSEMBLY

(212468-01)





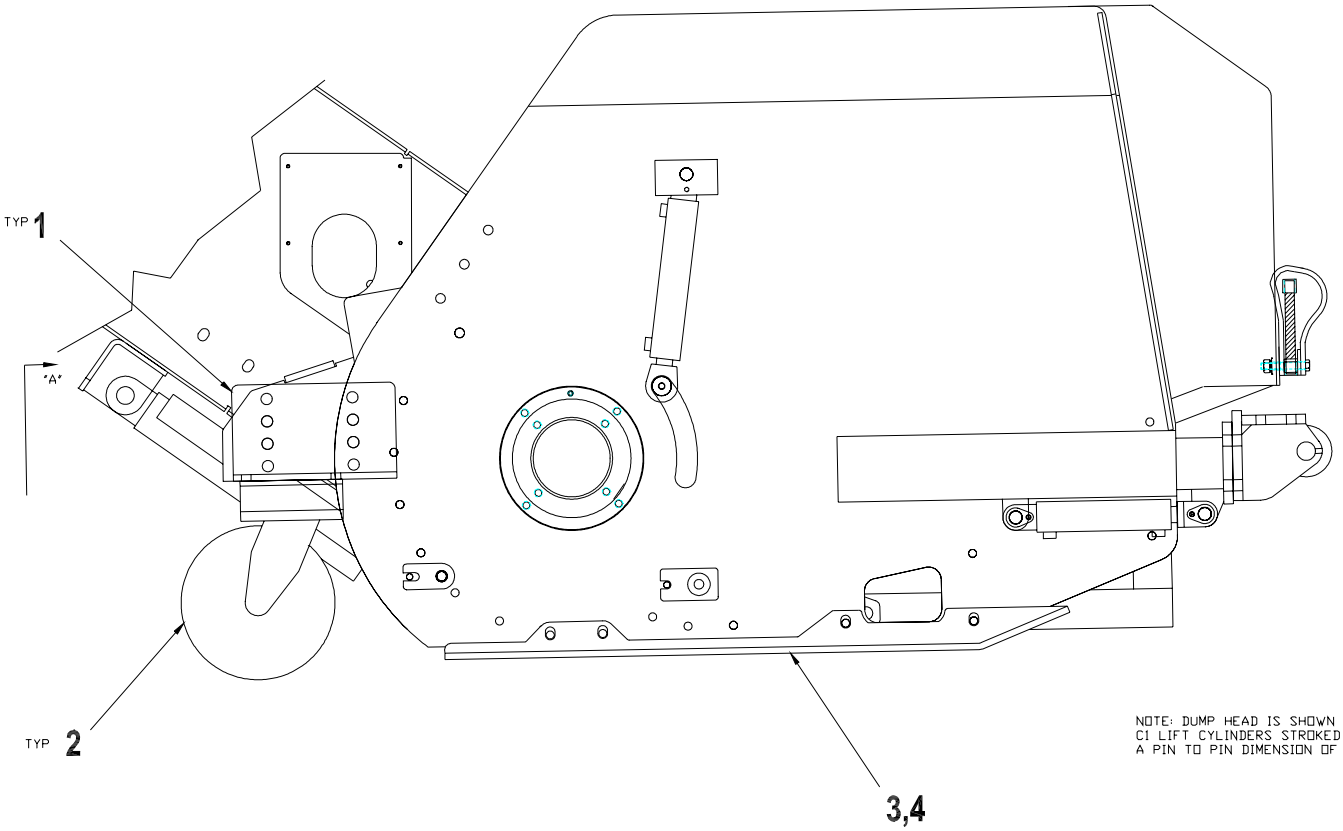


HYDRAULIC PUSH ROLLER ASSEMBLY
(212468-01)

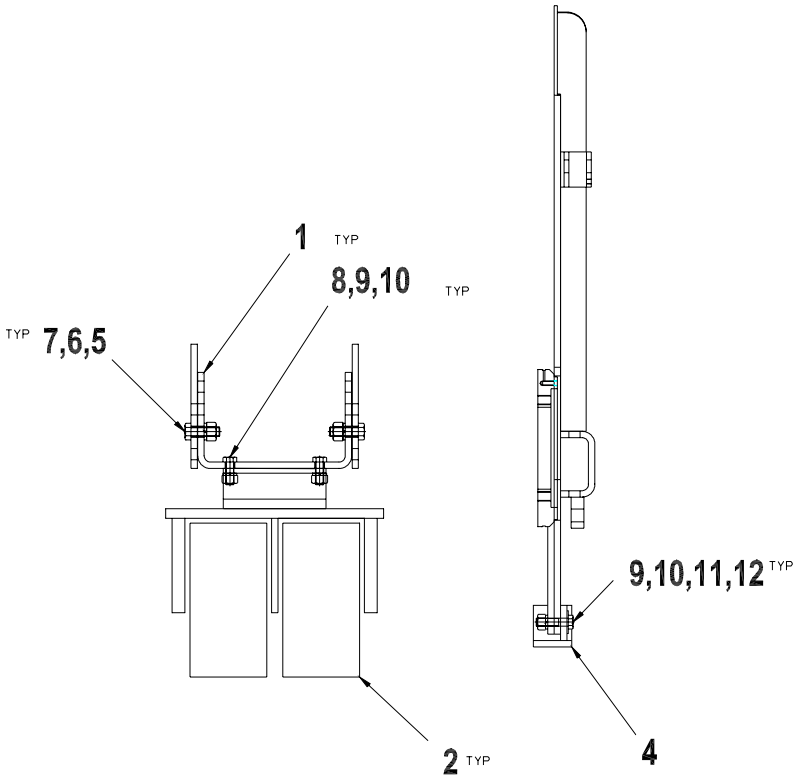
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	212467-01L	L.H. PUSH ROLLER SUPPORT	1
2	212467-01R	R.H. PUSH ROLLER SUPPORT	1
3	204743-01	PUSH ROLLER BEAM	1
4	148064-03	PUSH ROLLER LOCKING PIN	2
5	137441-02	34" PUSH ROLLER	2
6	149088-04	PUSH ROLLER LOCK BAR	4
7	134626-02	PUSH ROLLER SHAFT	2
8	84734-04	BEARING	4
9	10D63	FLAT WASHER 1/2"	2
10	83317	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	26C72	HEX BOLT - 1/2-13 X 1 1/2 CSK	8
15	83754	BOLT, HEX 1/2 - 13 X 1"	2

C-1 CASTER & SKID RUNNER ASSEMBLY

(148085-01)



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

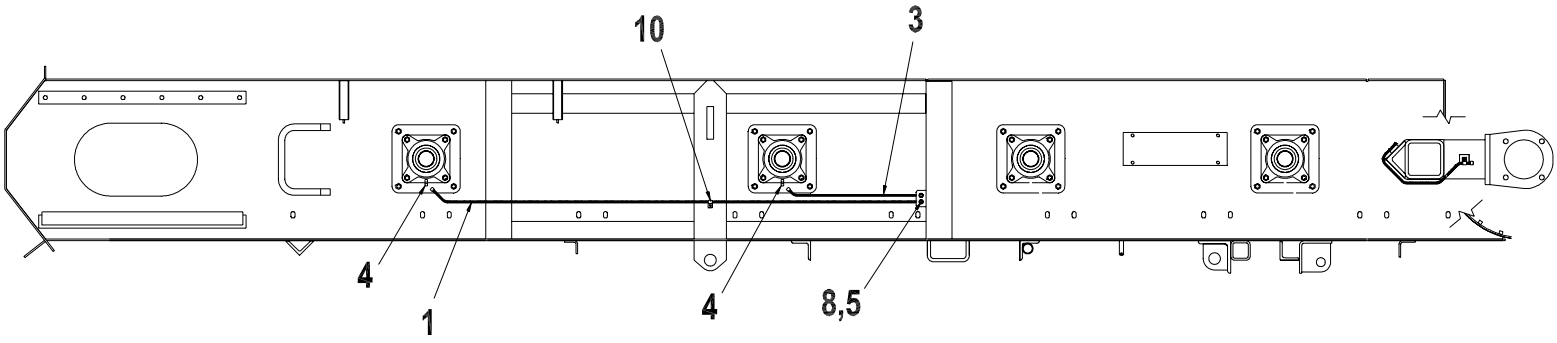


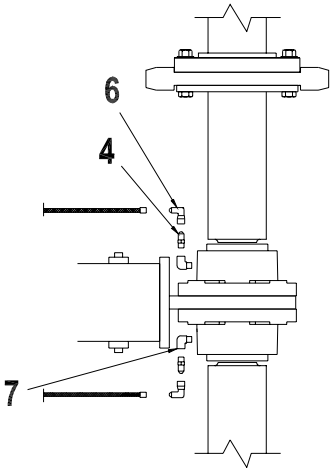
PARTIAL VIEW "A"

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

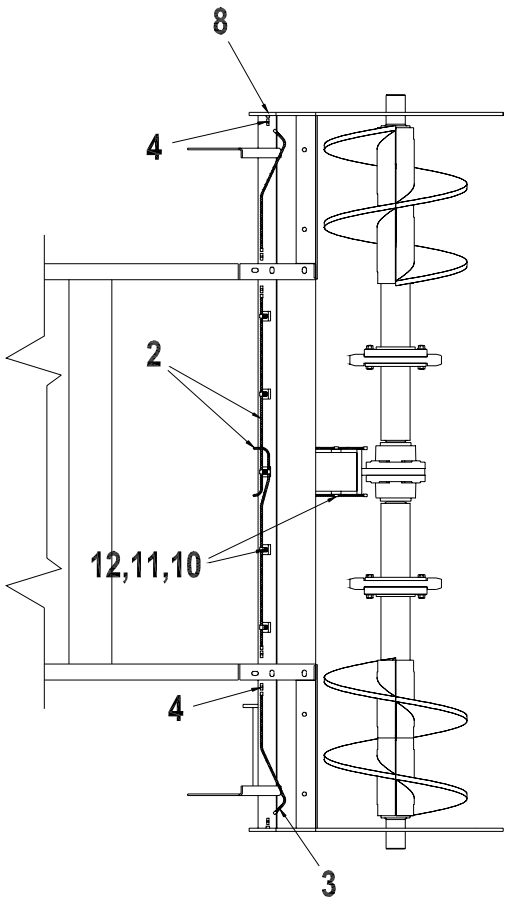
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142499-02	ADJ. CASTER MOUNTING PLATE	2
2	132001-04	SWIVEL CASTER W/ CAST IRON WHEELS	2
3	148096-01L	L.H. SKID RUNNER	1
4	148096-01R	R.H. SKID RUNNER	1
5	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	8
6	83752-04	LOCKWASHER 3/4"	8
7	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
8	89143	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

C-1 GREASELINE ASSEMBLY
(200733-01)





INNER AUGER BEARING
GREASE LINE DETAIL
SCALE: 3/16=1

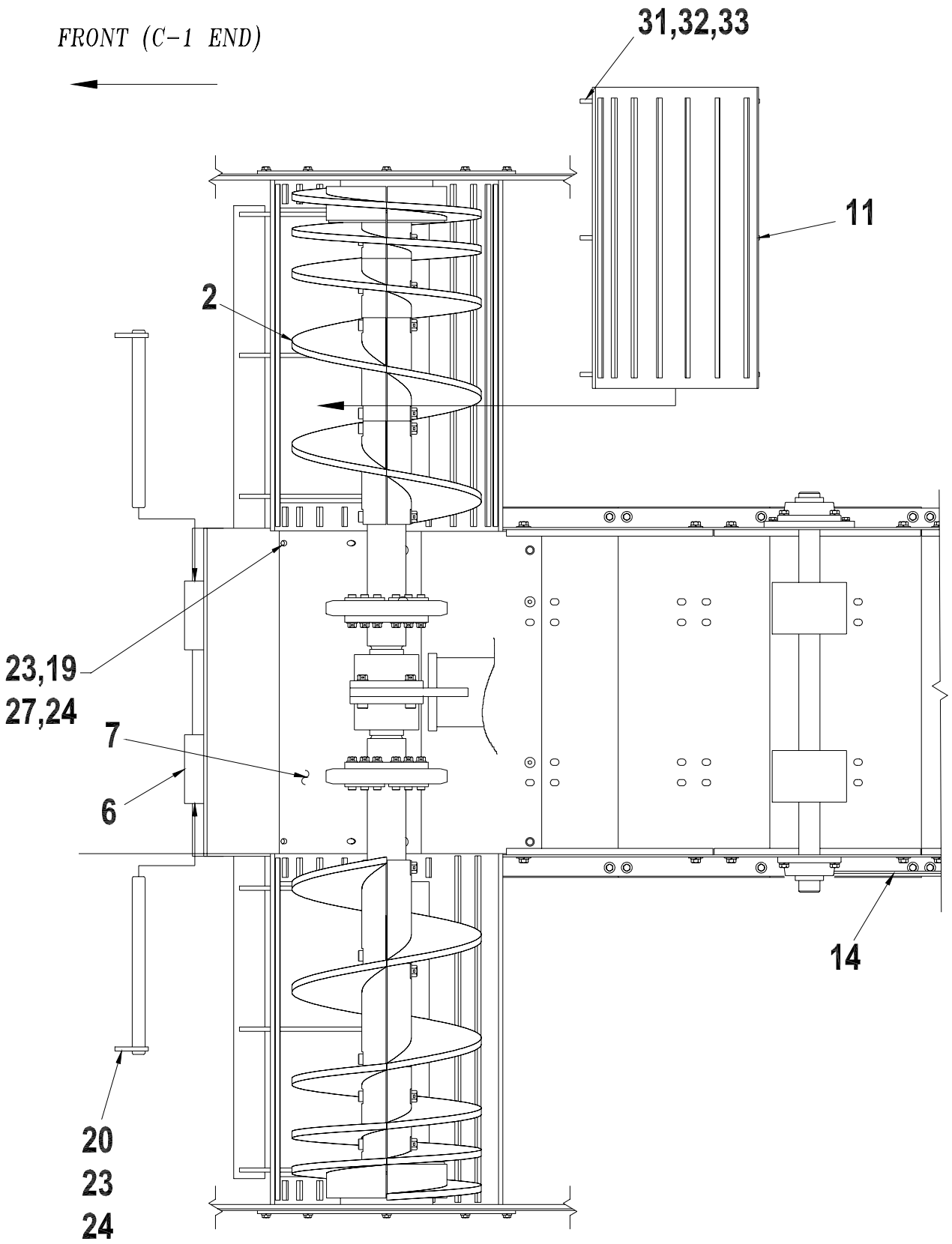


C-1 GREASELINES ASSEMBLY
(200733-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	134178-04	GREASE LINE - 1/4" X 85" W/ 4 JIC SW ENDS	2
2	201312-04	GREASE LINE - 1/4" X 52" W/ 4 JIC SW ENDS	2
3	134227-04	GREASE LINE - 1/4 X 24.5" W/4 JIC SW ENDS	4
4	83742-04	FIT - 4 JIC X 1/8" NPT M CONNECTOR	12
5	84560-04	FIT - 4 JIC X 1/8" NPT M 90 DEG. ELBOW	4
6	93043	FIT - 4 JIC SW 90 DEG. ELBOW	2
7	23J52	FIT - 1/8" NPT M X 1/8" NPT F 90 DEG. ELBOW	2
8	83416	FIT - 1/8" NPT GREASE	2
9	130771	CLAMP - 1/2" CUSHION TUBE X 3/8" BOLT	
10	20K33	CLAMP - 3/8" CUSHION TUBE X 3/8" BOLT	18
11	83114	HEX BOLT - 1/4-20 X 1/2" GR8	7
12	83065	LOCKWASHER - 1/4" SPRING STEEL	7

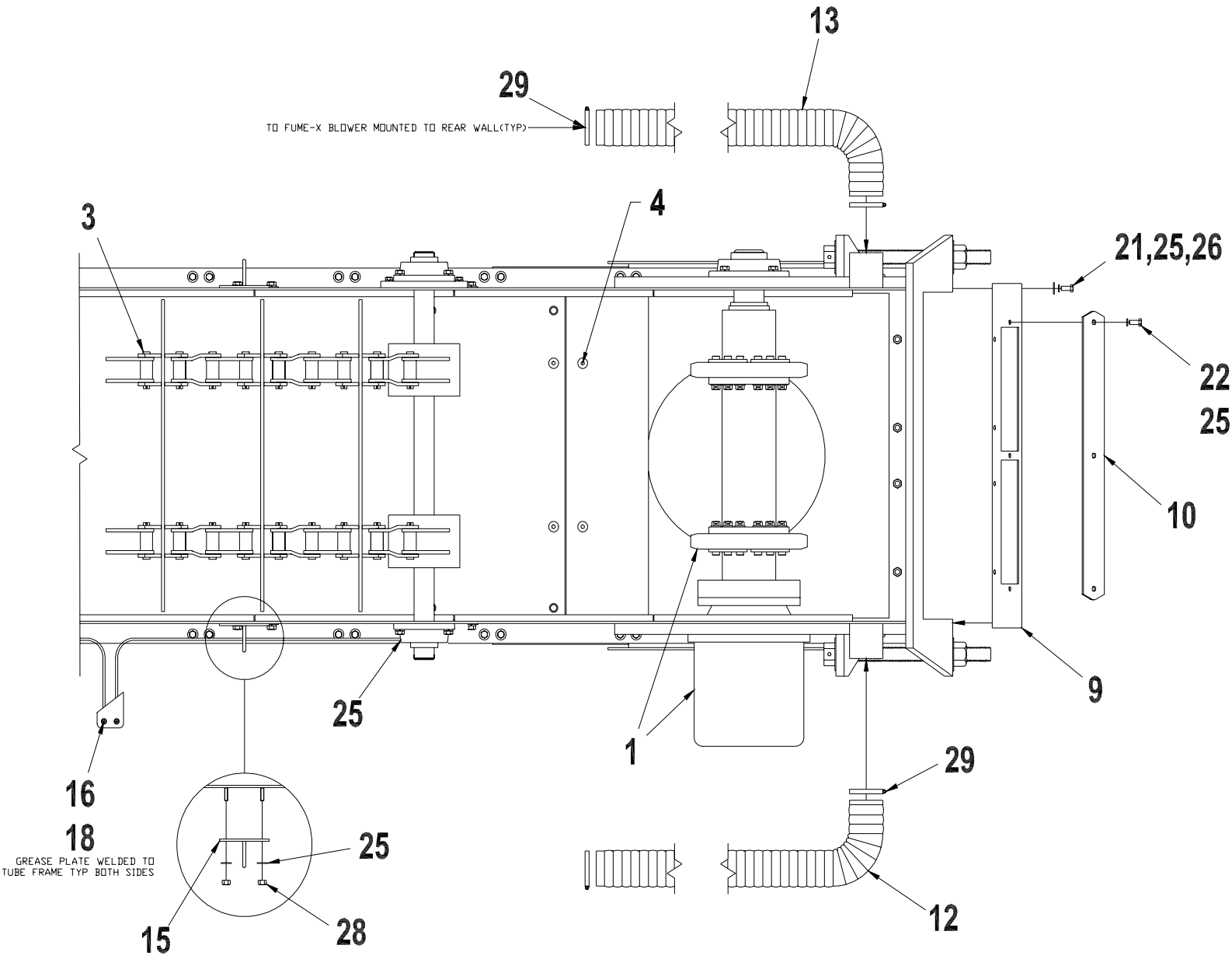
C-2 CONVEYOR ASSEMBLY
(214147-01)

NEXT PAGE



L.H. SIDE OF MACHINE

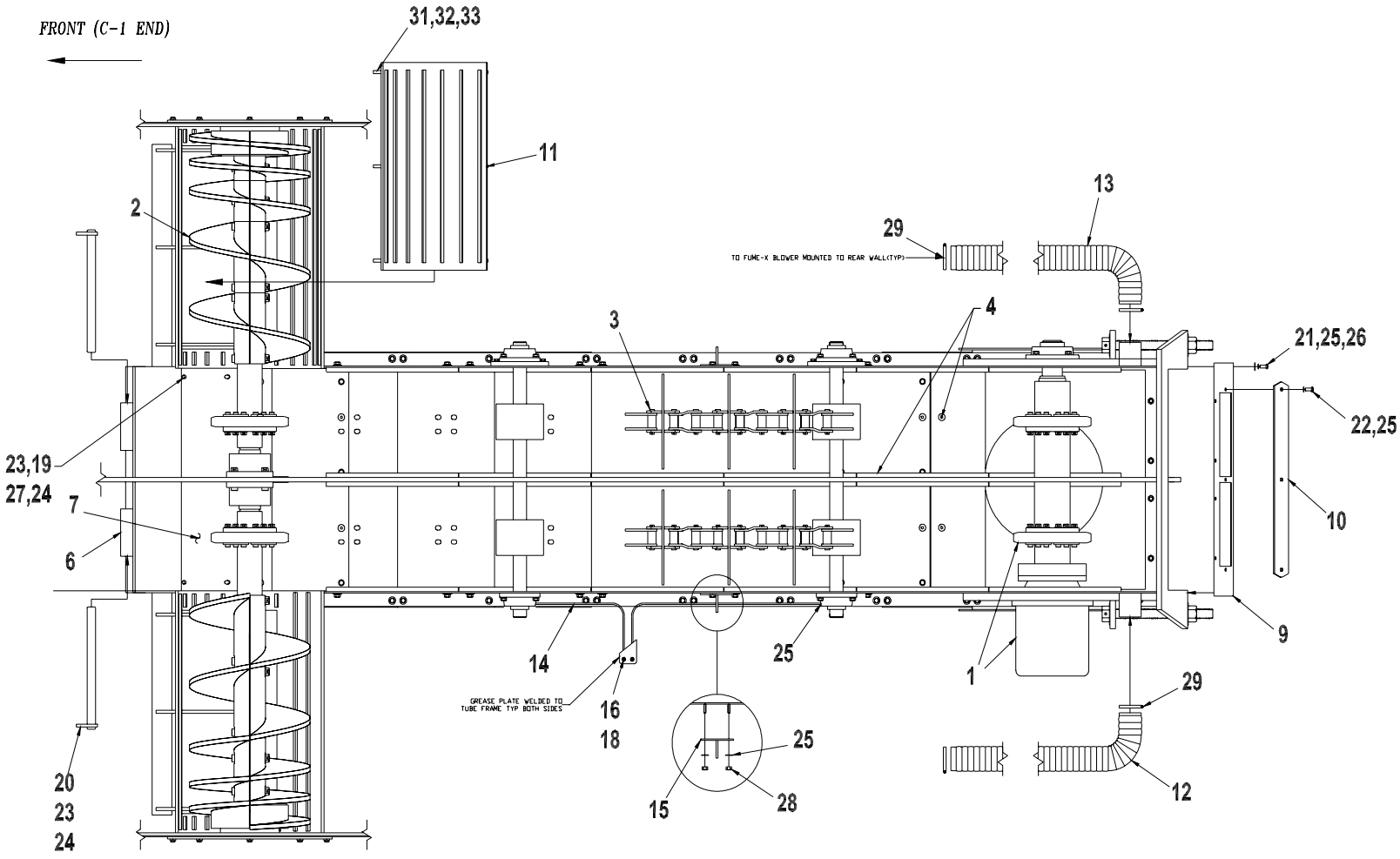
PREVIOUS PAGE



C-2 CONVEYOR ASSEMBLY
(214147-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211090-01	C-2 HEAD SHAFT & TAKE-UP SUB-ASSY.	1
2	211677-01	C-2 FOOT SHAFT & AUGER SUB-ASSY.	1
3	214144-01	CHAIN & IDLER SUB-ASSY.	1
4	214137-01	LINER & BOTTOM PLATE SUB-ASSY.	1
5	202752-01	FLOW GATE SUB-ASSY. (NOT SHOWN)	1
6	209883-01	EXTENDED C-2 CLEAN-OUT DOOR WLDMT.	1
7	146680-02	C-2 CLEAN-OUT DOOR LINER WLDMT.	1
8	146683-03	C-2 CLEAN-OUT DOOR PIN WLDMT.	2
9	200201-03	C-2 CHAIN ACCESS DOOR WLDMT.	1
10	200210-03	C-2 WASH DOWN ACCESS PANEL	1
11	209884-02	AUGER ACCESS DOOR WLDMT.	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	FIT - 1/8" NPT X 4 JIC 90 DEG.	4
17	83742-04	FIT - 1/8" NPT X 4 JIC ST CONN.	4
18	83416	FIT - 1/8" NPT GREASE	4
19	29C18	CSK BOLT - 1/2-13 X 1 3/4"	6
20	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	6
21	84332	HEX BOLT - 3/8-16 X 1" GR8	12
22	89987-04	WING BOLT - 3/8-16	3
23	83781-04	FLAT WASHER - 1/2" STEEL	30
24	83317	LOCK WASHER - 1/2" SPRING STEEL	14
25	83757	FLAT WASHER - 3/8" STEEL	19
26	83056	LOCK WASHER - 3/8" SPRING STEEL	12
27	83288	HEX NUT - 1/2-13 GR8	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
31	84778	HEX BOLT - 5/8-11 X 1 1/2" GR8	18
32	85147	FLAT WASHER 5/8" (STEEL)	18
33	84717	LOCK WASHER 5/8" (STEEL)	18
34	138885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2

C-2 CONVEYOR ASSEMBLY
(213542-01)

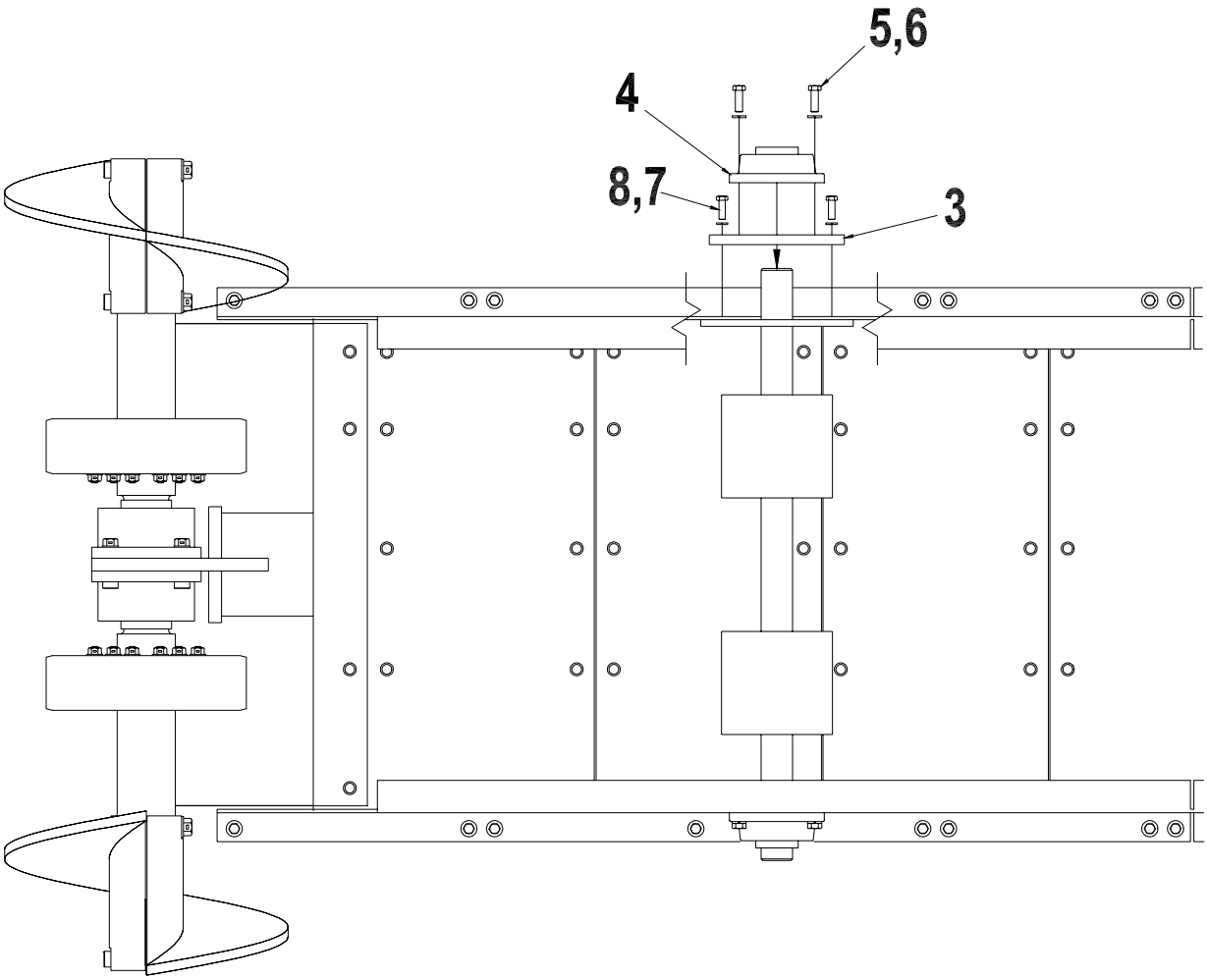


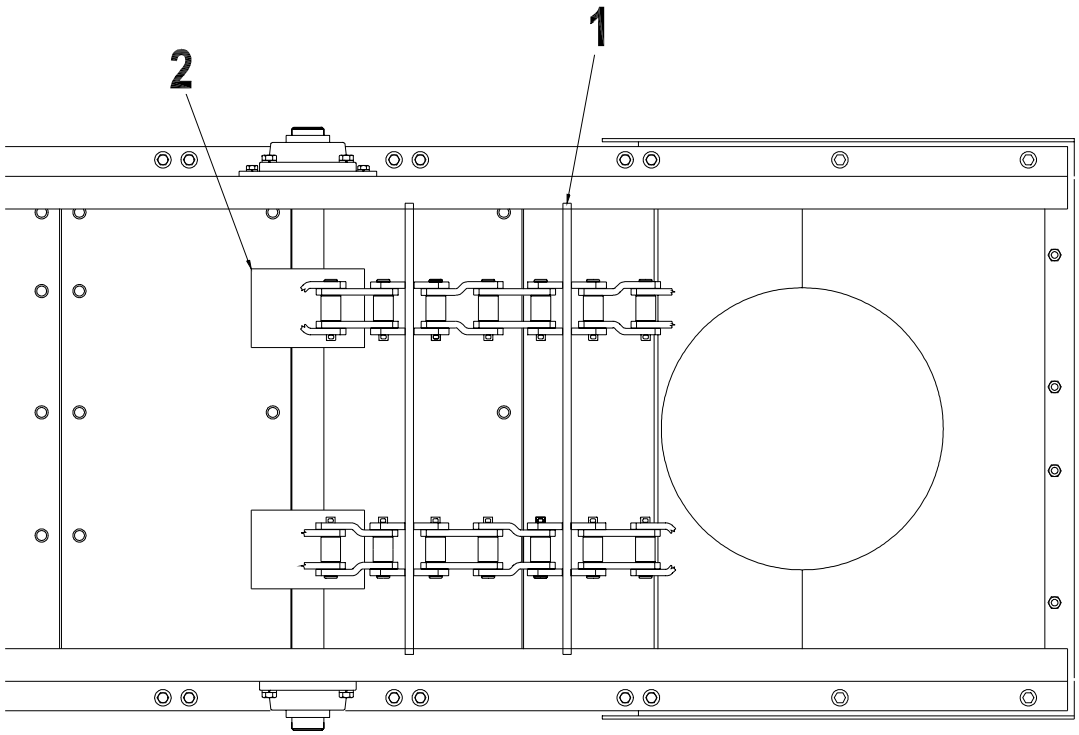
C-2 CONVEYOR ASSEMBLY
(213542-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211090-01	C-2 HEAD SHAFT & TAKE-UP SUB-ASSY.	1
2	211677-01	C-2 FOOT SHAFT & AUGER SUB-ASSY.	1
3	213671-01	CHAIN & IDLER SUB-ASSY.	1
4	213541-01	LINER & BOTTOM PLATE SUB-ASSY.	1
5	202752-01	FLOW GATE SUB-ASSY. (NOT SHOWN)	1
6	209883-01	EXTENDED C-2 CLEAN-OUT DOOR WLDMT.	1
7	146680-02	C-2 CLEAN-OUT DOOR LINER WLDMT.	1
8	146683-03	C-2 CLEAN-OUT DOOR PIN WLDMT.	2
9	200201-03	C-2 CHAIN ACCESS DOOR WLDMT.	1
10	200210-03	C-2 WASH DOWN ACCESS PANEL	1
11	209884-02	AUGER ACCESS DOOR WLDMT.	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	FIT - 1/8" NPT X 4 JIC 90 DEG.	4
17	83742-04	FIT - 1/8" NPT X 4 JIC ST CONN.	4
18	83416	FIT - 1/8" NPT GREASE	4
19	29C18	CSK BOLT - 1/2-13 X 1 3/4"	6
20	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	6
21	84332	HEX BOLT - 3/8-16 X 1" GR8	12
22	89987-04	WING BOLT - 3/8-16	3
23	83781-04	FLAT WASHER - 1/2" STEEL	30
24	83317	LOCK WASHER - 1/2" SPRING STEEL	14
25	83757	FLAT WASHER - 3/8" STEEL	19
26	83056	LOCK WASHER - 3/8" SPRING STEEL	12
27	83288	HEX NUT - 1/2-13 GR8	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
31	84778	HEX BOLT - 5/8-11 X 1 1/2" GR8	18
32	85147	FLAT WASHER 5/8" (STEEL)	18
33	84717	LOCK WASHER 5/8" (STEEL)	18
34	138885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2

C-2 CONVEYOR CHAIN & IDLER ASSEMBLY

(214144-01)



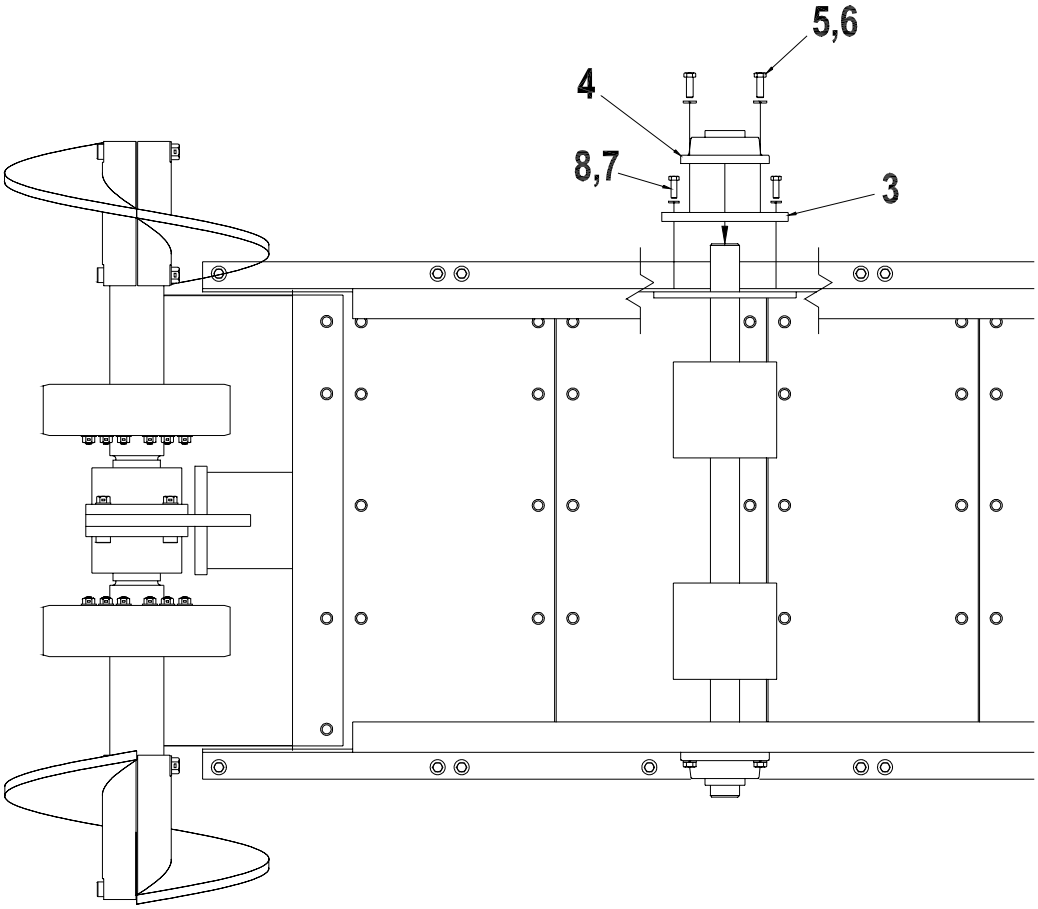


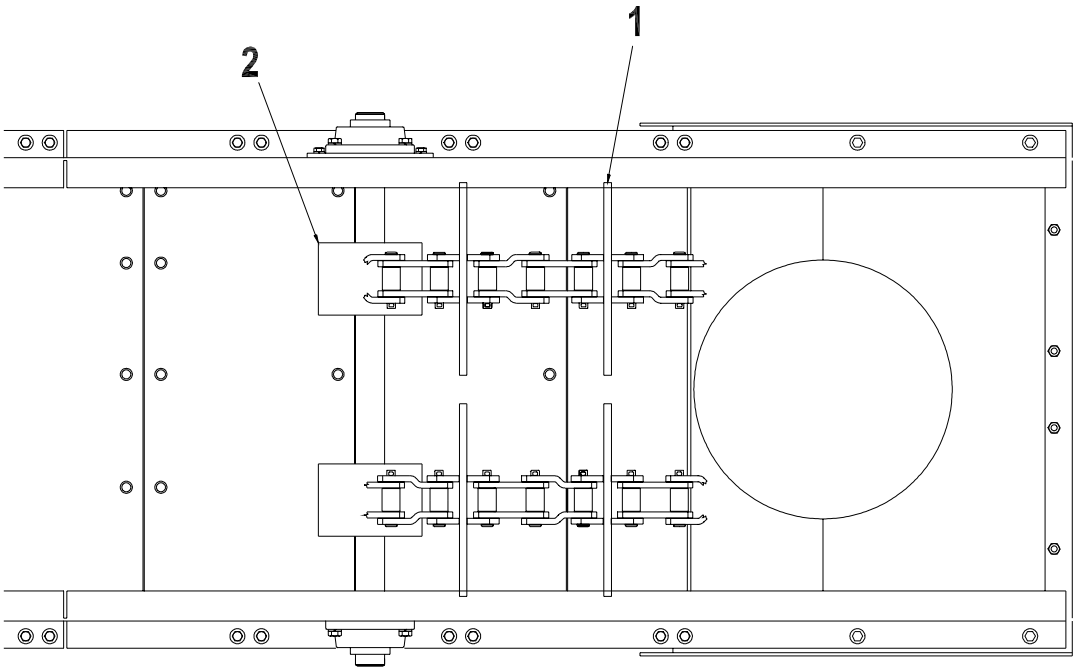
C-2 CONVEYOR CHAIN & IDLER ASSEMBLY
(214144-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213625-02	C-2 CHAIN ASSY.	1
2	99363-01	C-2 IDLER WLDMT.	2
3	99364-03	IDLER BEARING PLATE	2
4	88993-04	BEARING - 4 BOLT FLANGE (2 7/16" ID)	4
5	89143	HEX BOLT - 5/8-11 X 1 3/4" LG	16
6	84717	LOCK WASHER - 5/8" SPRING STEEL	16
7	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	8
8	83317	LOCK WASHER - 1/2" SPRING STEEL	8

C-2 CONVEYOR CHAIN & IDLER ASSEMBLY

(213671-01)

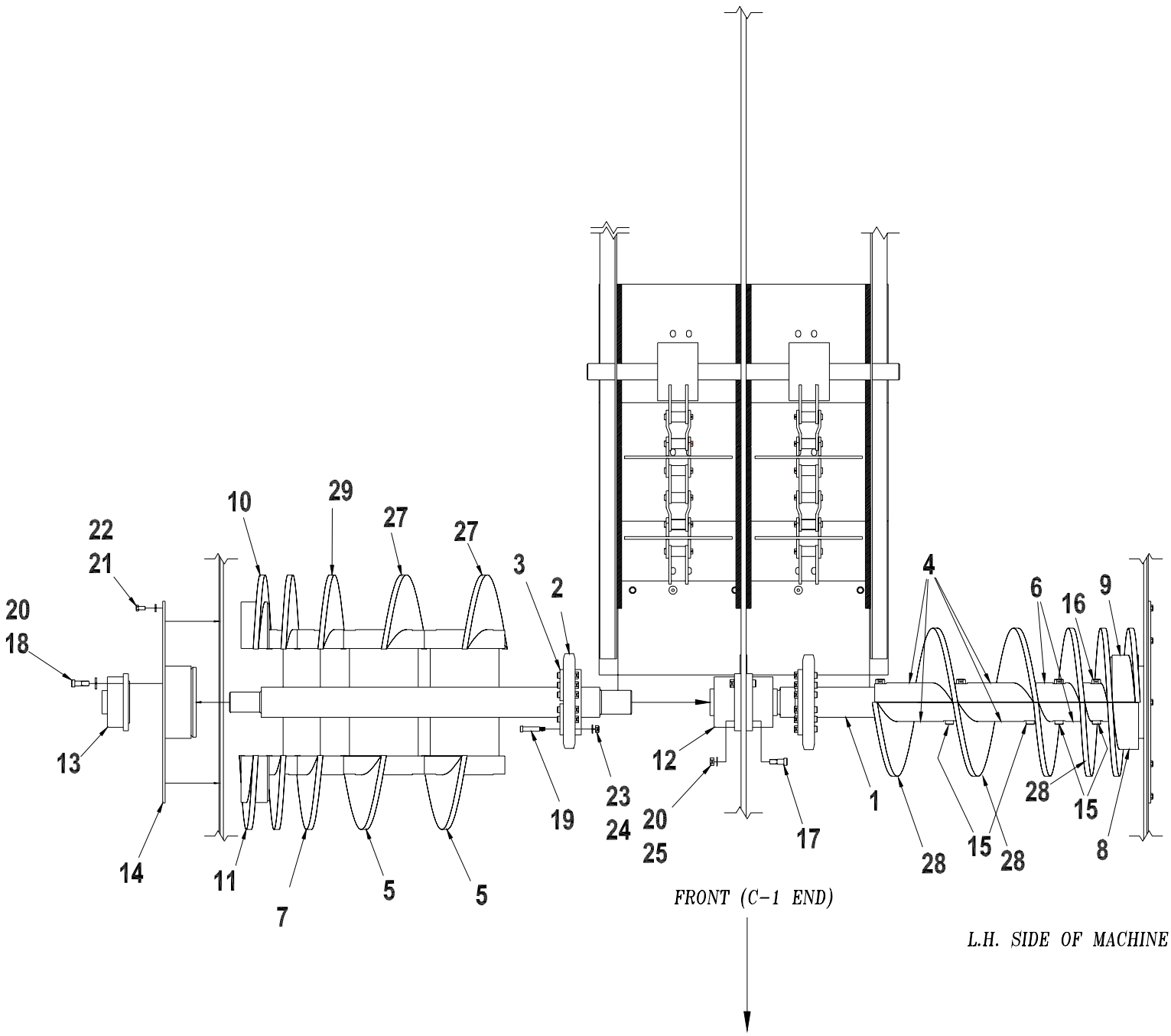




C-2 CONVEYOR CHAIN & IDLER ASSEMBLY
(213671-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138906-02	C-2 CHAIN ASSY.	1
2	99363-01	C-2 IDLER WLDMT.	2
3	99364-03	IDLER BEARING PLATE	2
4	88993-04	BEARING - 4 BOLT FLANGE (2 7/16" ID)	4
5	89143	HEX BOLT - 5/8-11 X 1 3/4" GR8	16
6	84717	LOCK WASHER - 5/8" SPRING STEEL	16
7	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	8
8	83317	LOCK WASHER - 1/2" SPRING STEEL	8

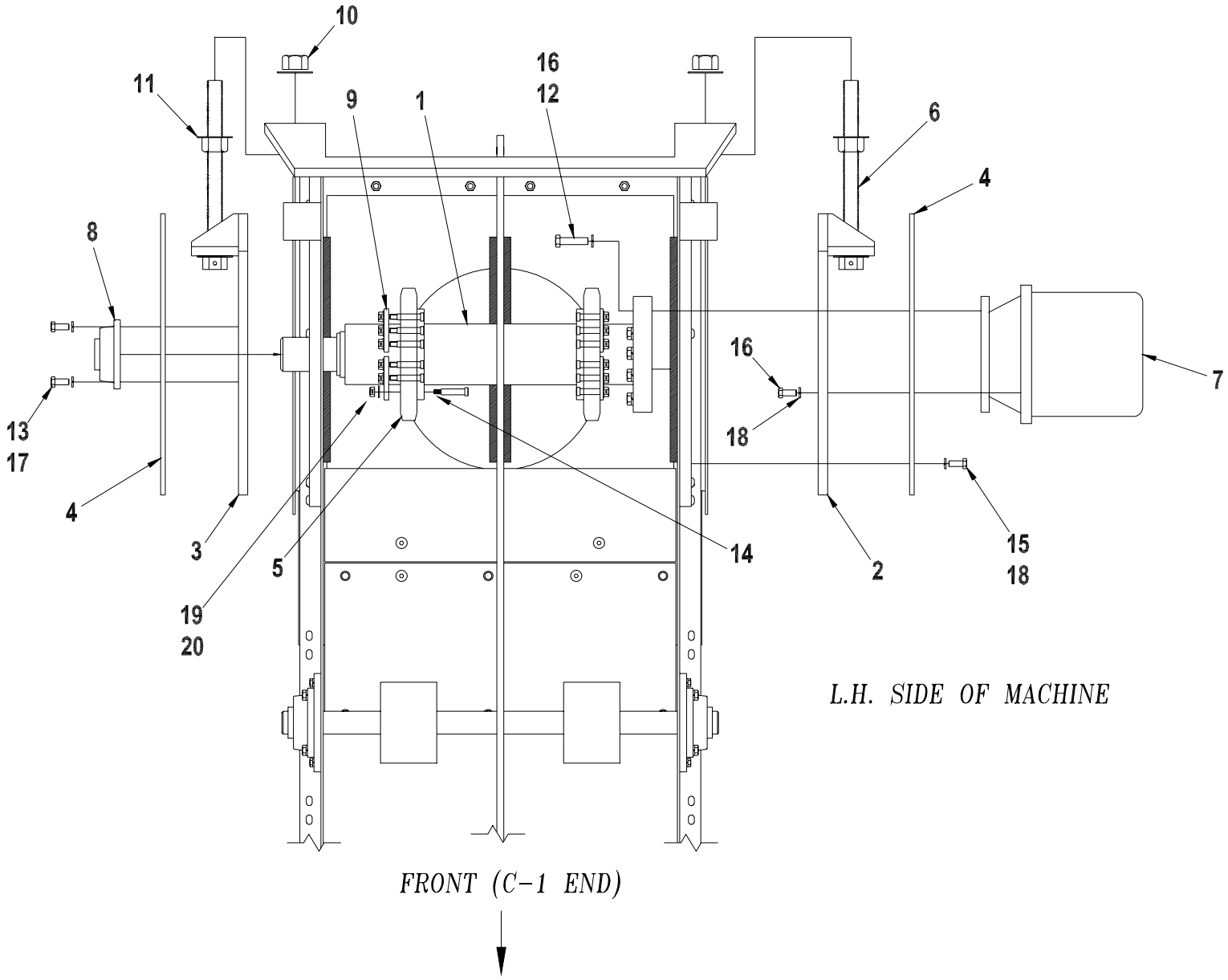
C-2 FOOTSHAFT & AUGER ASSEMBLY
(211677-01)



C-2 FOOTSHAFT & AUGER ASSEMBLY
(211677-01)

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	200308-01	12" PITCH AUGER (LEFT SIDE)	2
5	200310-01	12" PITCH AUGER (RIGHT SIDE)	2
6	200312-01	6 7/8" PITCH AUGER (LEFT SIDE)	1
7	200314-01	6 7/8" PITCH AUGER (RIGHT SIDE)	1
8	200320-01	4 3/16"PITCH AUGER (LEFT SIDE)	1
9	200321-01	4 3/16" AUGER MODIFICATION (LEFT SIDE)	1
10	200322-01	4 3/16" PITCH AUGER (RIGHT SIDE)	1
11	200323-01	4 3/16" AUGER MODIFICATION (RIGHT SIDE)	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	200309-01	12" LEFT PITCH AUGER	2
27	200311-01	12" RIGHT PITCH AUGER	2
28	200313-01	6 7/8" PITCH AUGER (LEFT SIDE)	1
29	200315-01	6 7/8" PITCH AUGER (RIGHT SIDE)	1

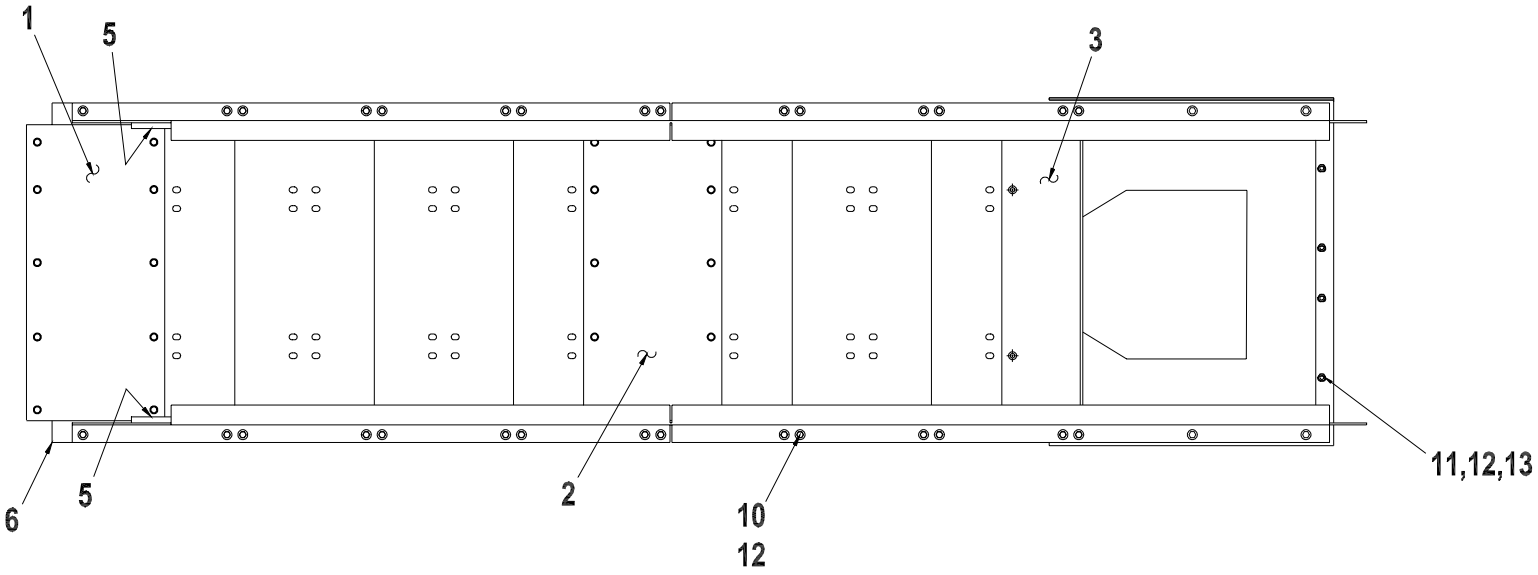
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(211090-01)

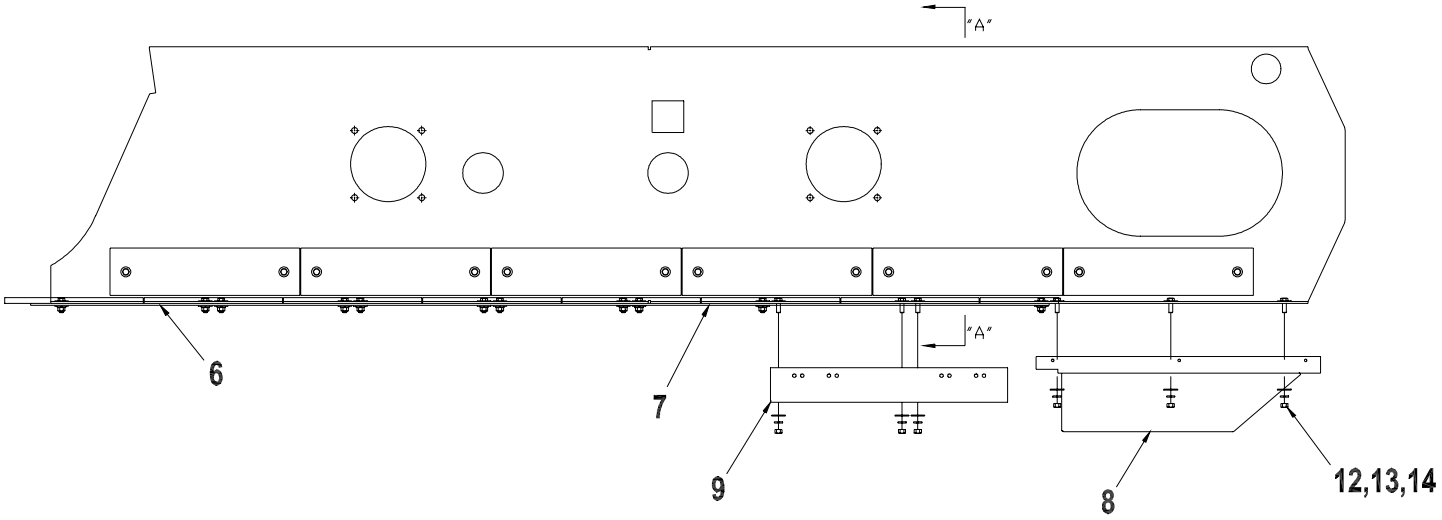


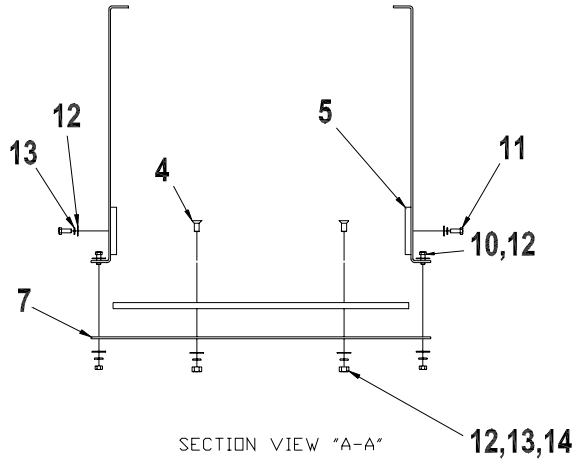
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(211090-01)

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
(214137-01)



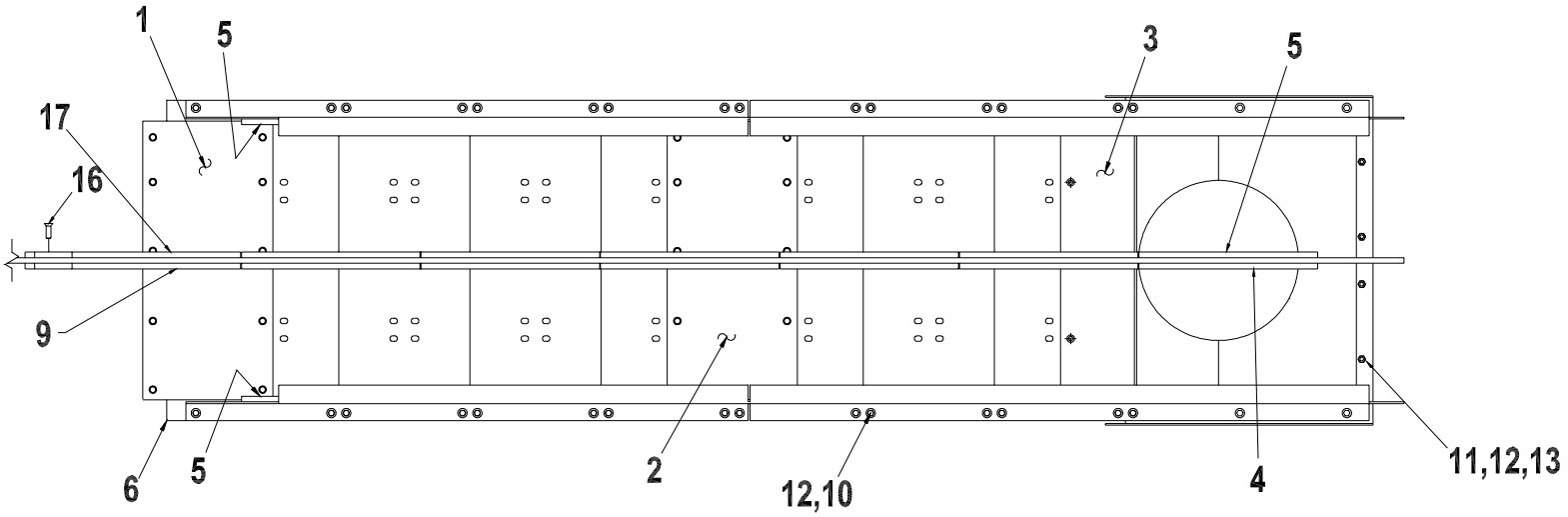


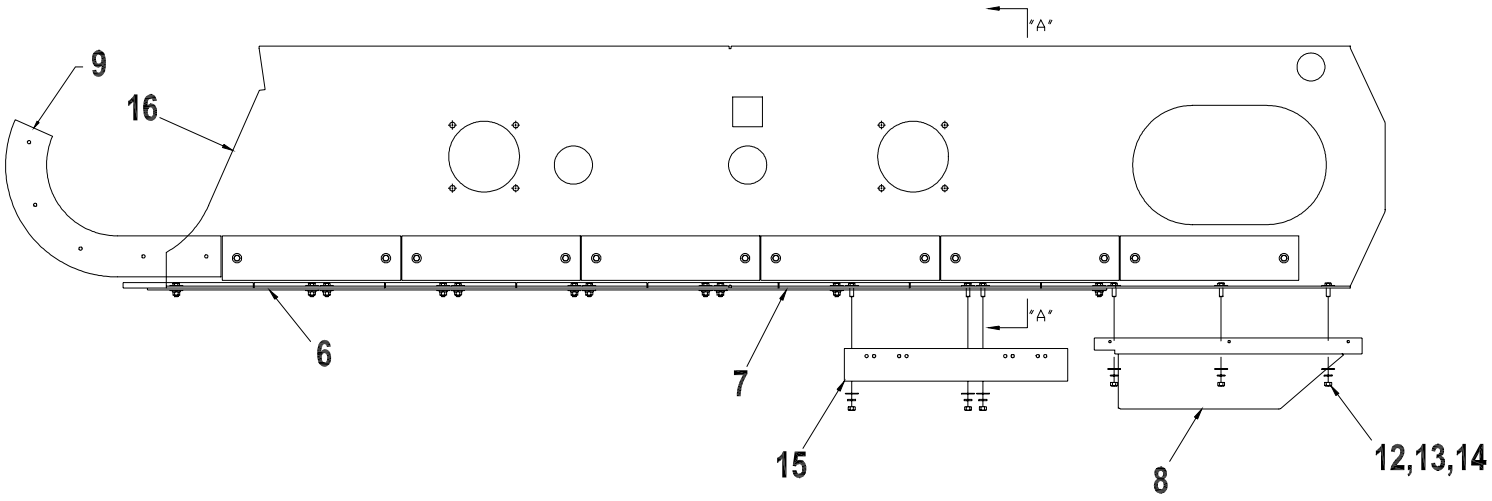


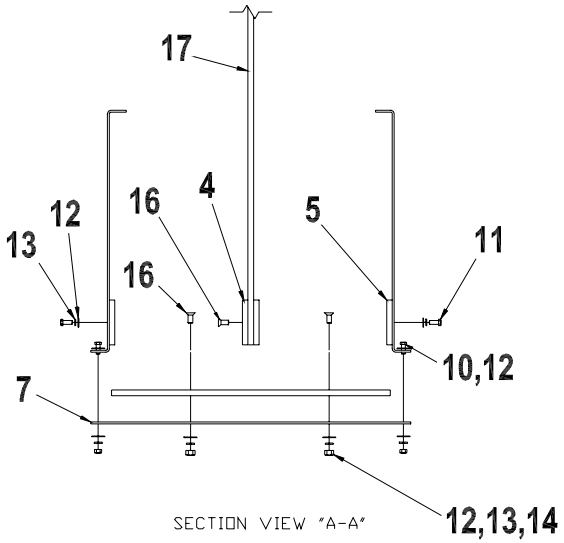
C-2 LINER & BOTTOM PLATE ASSEMBLY
(214137-01)

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	95847	CSK BOLT - 1/2-12 X 2" GR8	36
5	149877-03	SIDE LINER (TAPPED)	12
6	200175-03	C-2 BOTTOM PLATE (AUGER END)	1
7	200176-03	C-2 BOTTOM PLATE	6
8	213515-01	C-2 CHUTE WLDMT.	1
9	120872-03	HOSE PROTECTOR PLATE	1
10	93144	HEX BOLT - 1/2-13 X 1 1/2" GR8	34
11	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	28
12	83781-04	FLAT WASHER - 1/2" STEEL	141
13	83317	LOCK WASHER - 1/2" SPRING STEEL	107
14	83288	HEX NUT - 1/2-13 GR8	67

C-2 LINER & BOTTOM PLATE ASSEMBLY
(213541-01)





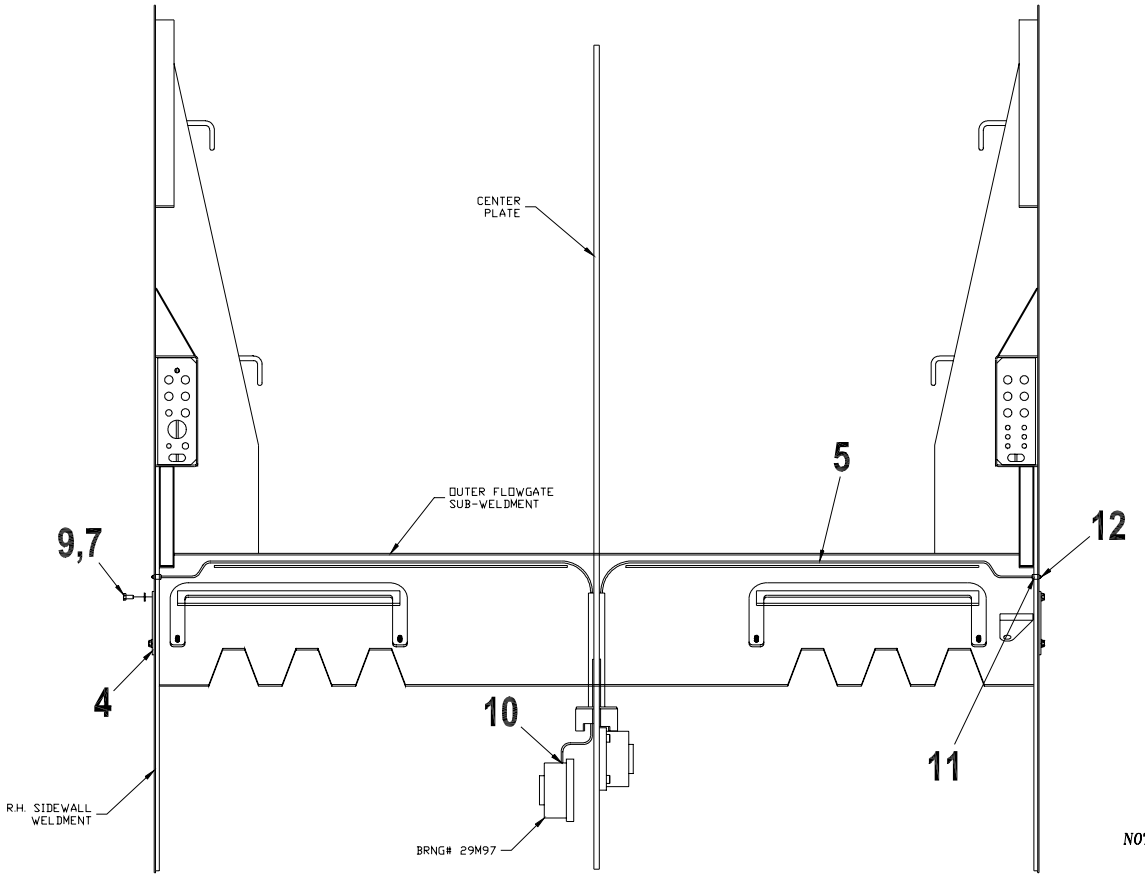


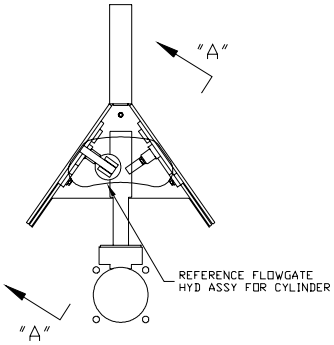
SECTION VIEW "A-A"

C-2 LINER & BOTTOM PLATE ASSEMBLY
(213541-01)

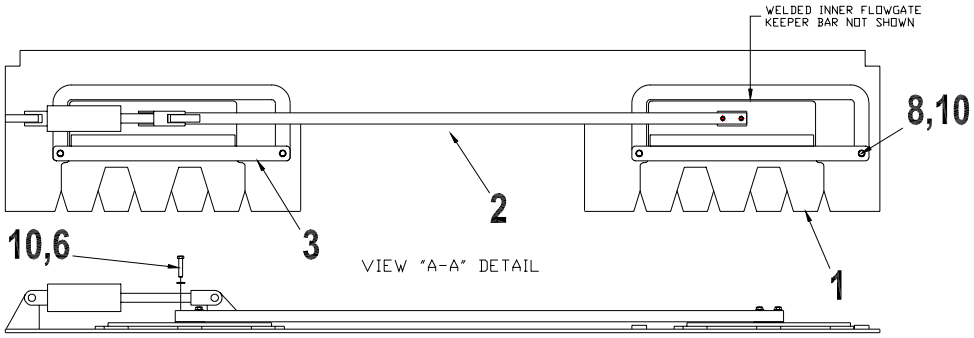
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	BN-906-7143A	BOTTOM FRONT NI-HARD LINER	1
2	BN-906-7143	BOTTOM NI-HARD LINER	6
3	200174-03	BOTTOM REAR AR-400 LINER	1
4	149876-03	SIDE LINER (CSK)	6
5	149877-03	SIDE LINER (TAPPED)	18
6	200175-03	C-2 BOTTOM LINER (AUGER END)	1
7	200176-03	C-2 BOTTOM PLATE	6
8	213515-01	C-2 CHUTE	1
9	208354-03	CENTER WALL WEAR PLATE (TAPPED)	1
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	LOCK WASHER 1/2" SPRING STEEL	107
14	83288	NUT, HEX 1/2 - 13	67
15	120872-03	HOSE PROTECTOR PLATE	1
16	95847	CSK BOLT - 1/2-13 X 2 GR8	50
17	208353-03	CENTER WALL WEAR PLATE (COUNTER BORED)	1

FLOWGATE ASSEMBLY
(202752-01)





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

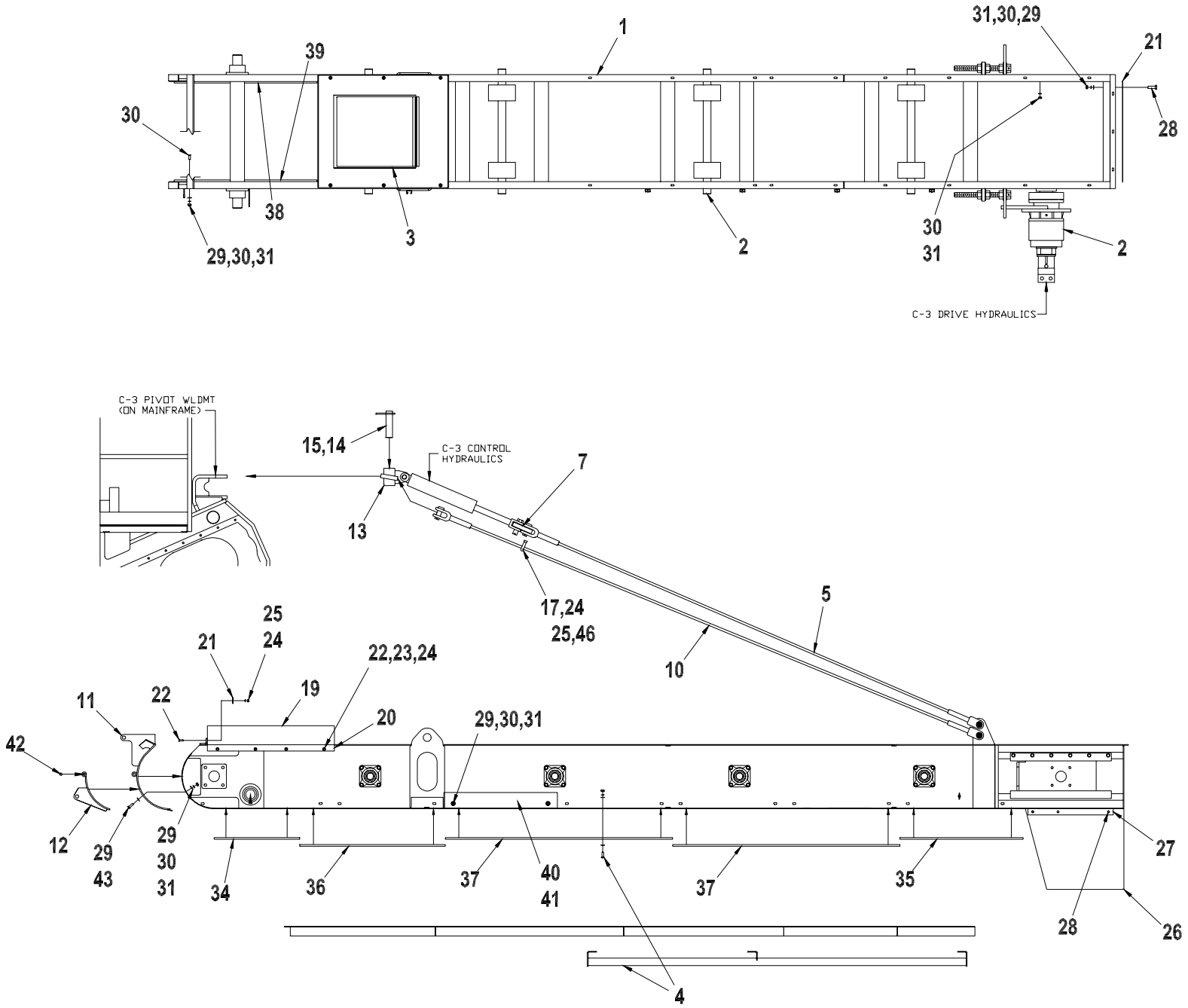


FLOWGATE ASSEMBLY
(202752-01)

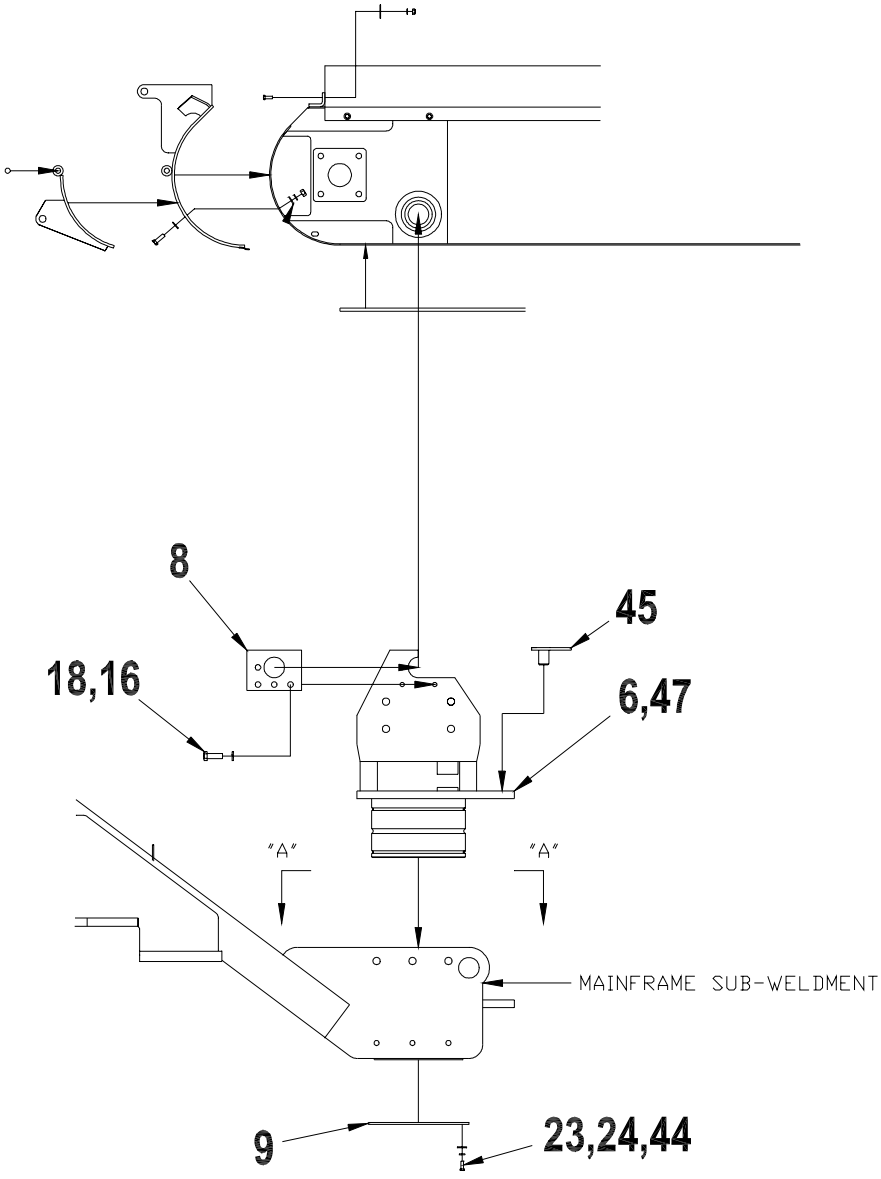
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202751-03	INNER FLOWGATE	4
2	200178-03	FLOWGATE TIE ROD	2
3	200145-03	INNER FLOWGATE KEEPER BAR	4
4	202514-03	FLOWGATE ACCESS COVER	2
5	142986-04	GREASE LINE - 1/4" X 94" W/ 4 JIC SWIVEL ENDS	2
6	26C56	BOLT, HEX 1/2 - 13 X 2 1/4"	8
7	83754	BOLT, HEX 1/2 - 13 X 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

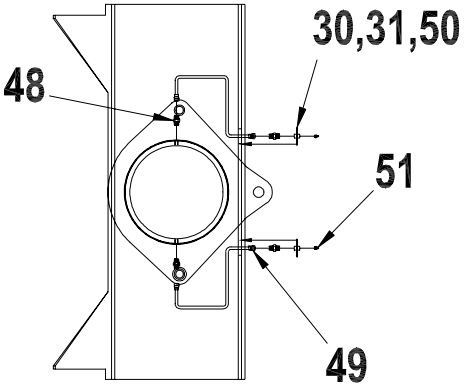
C-3 CONVEYOR ASSEMBLY
(213666-01)

NEXT PAGE



PREVIOUS PAGE





VIEW "A-A"

C-3 CONVEYOR ASSEMBLY
(213666-01)

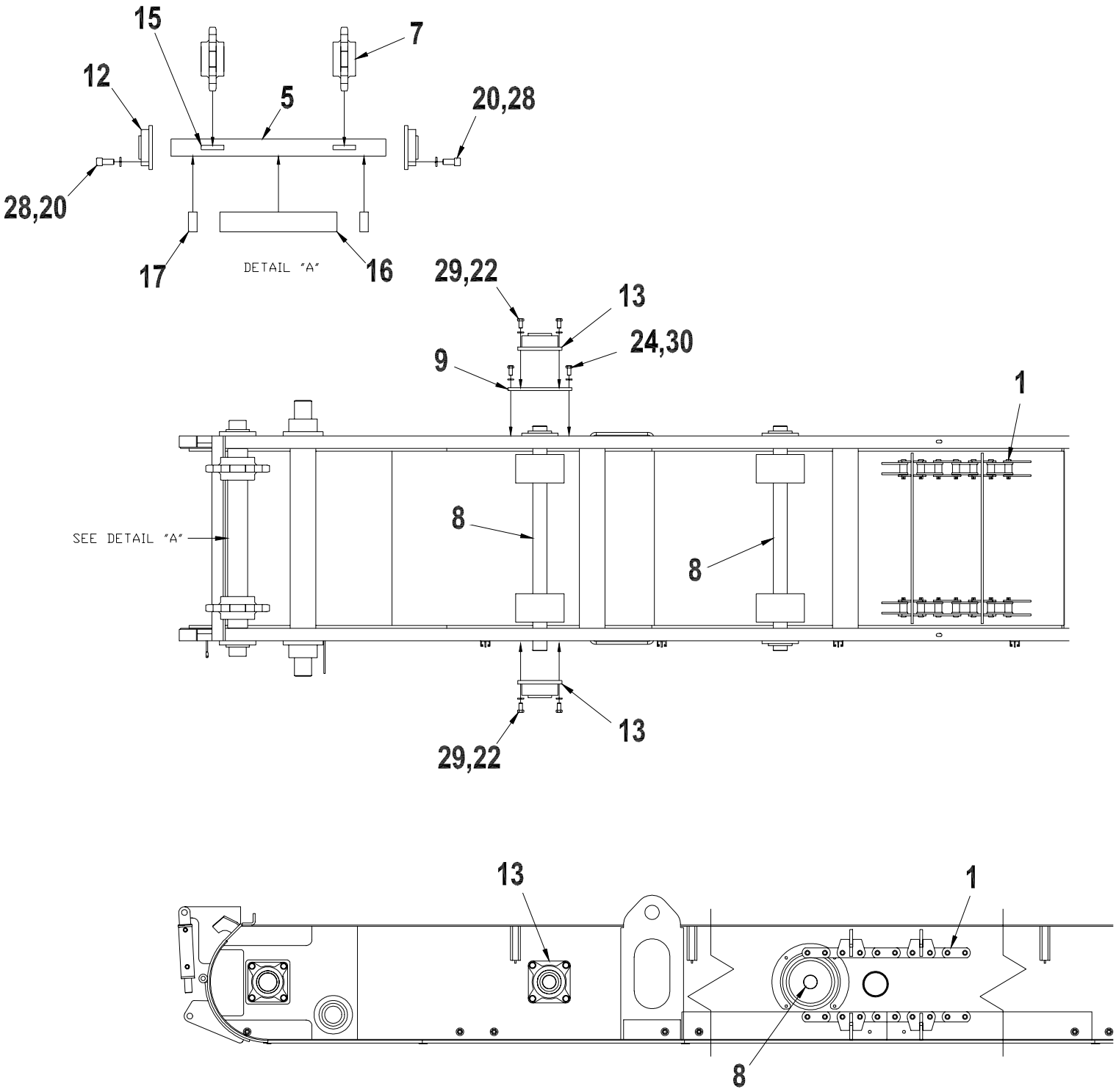
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213658-01	C-3 CONVEYOR	1
2	213665-01	C-3 CHAIN AND IDLER	1
3	204788-01	C-3 TOP COVER	1
4	200528-01	C-3 INSULATION AND TRUCK RAIL	1
5	200783-04	C-3 SAFETY CABLE X 156'	2
6	201177-01	PIVOT YOLK	1
7	204755-03	C-3 SPREADER BAR	1
8	121890-02	LOCK PLATE	2
9	201178-03	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	LOCK WASHER - 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	LOCK WASHER - 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	LOCK WASHER - 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
(213666-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	83416	GREASE FITTING - 1/8" NPT ST	2
52	138885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2

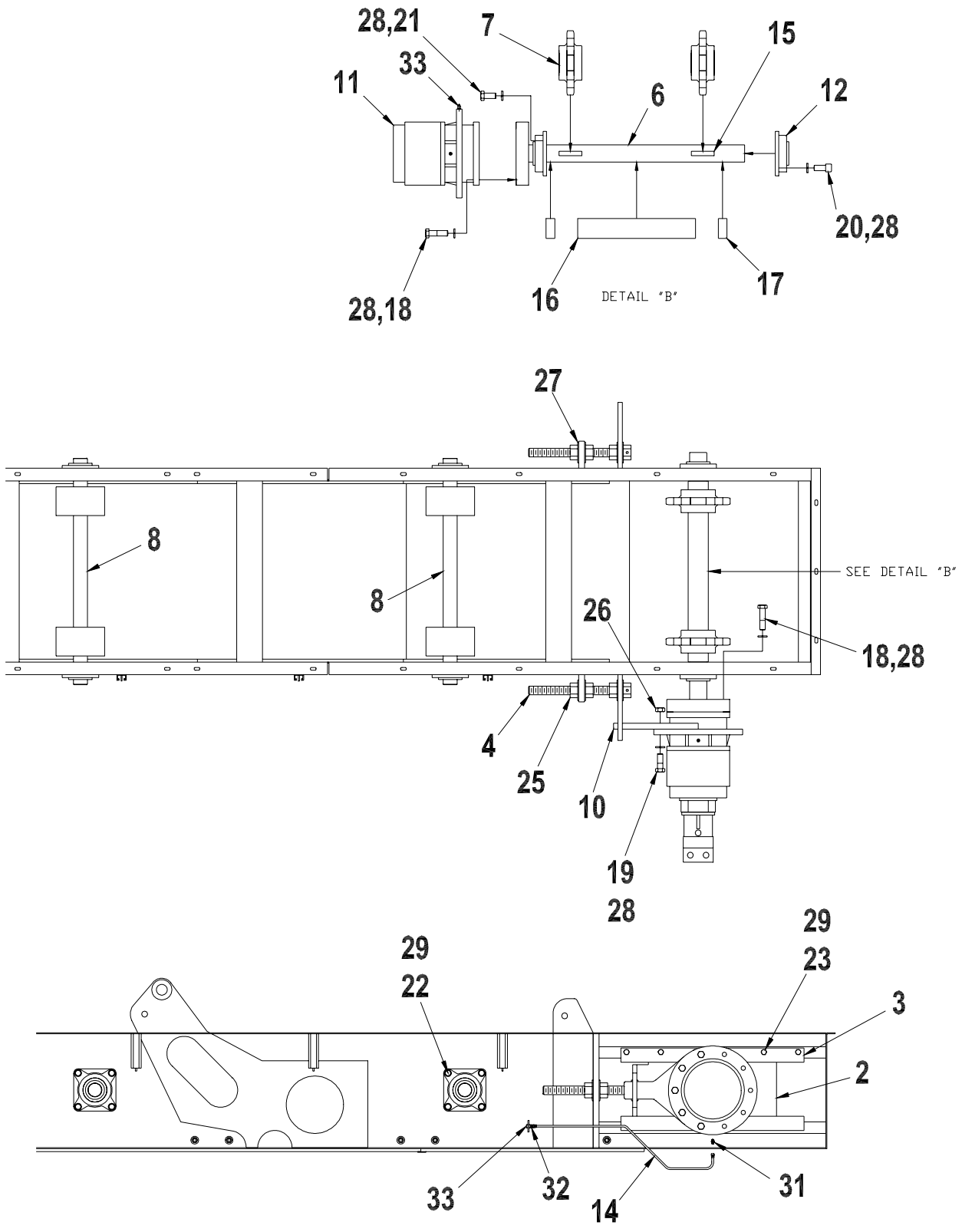
C-3 CHAIN & IDLER ASSEMBLY
(213665-01)

NEXT PAGE



C-3 CHAIN & IDLER ASSEMBLY
(213665-01)

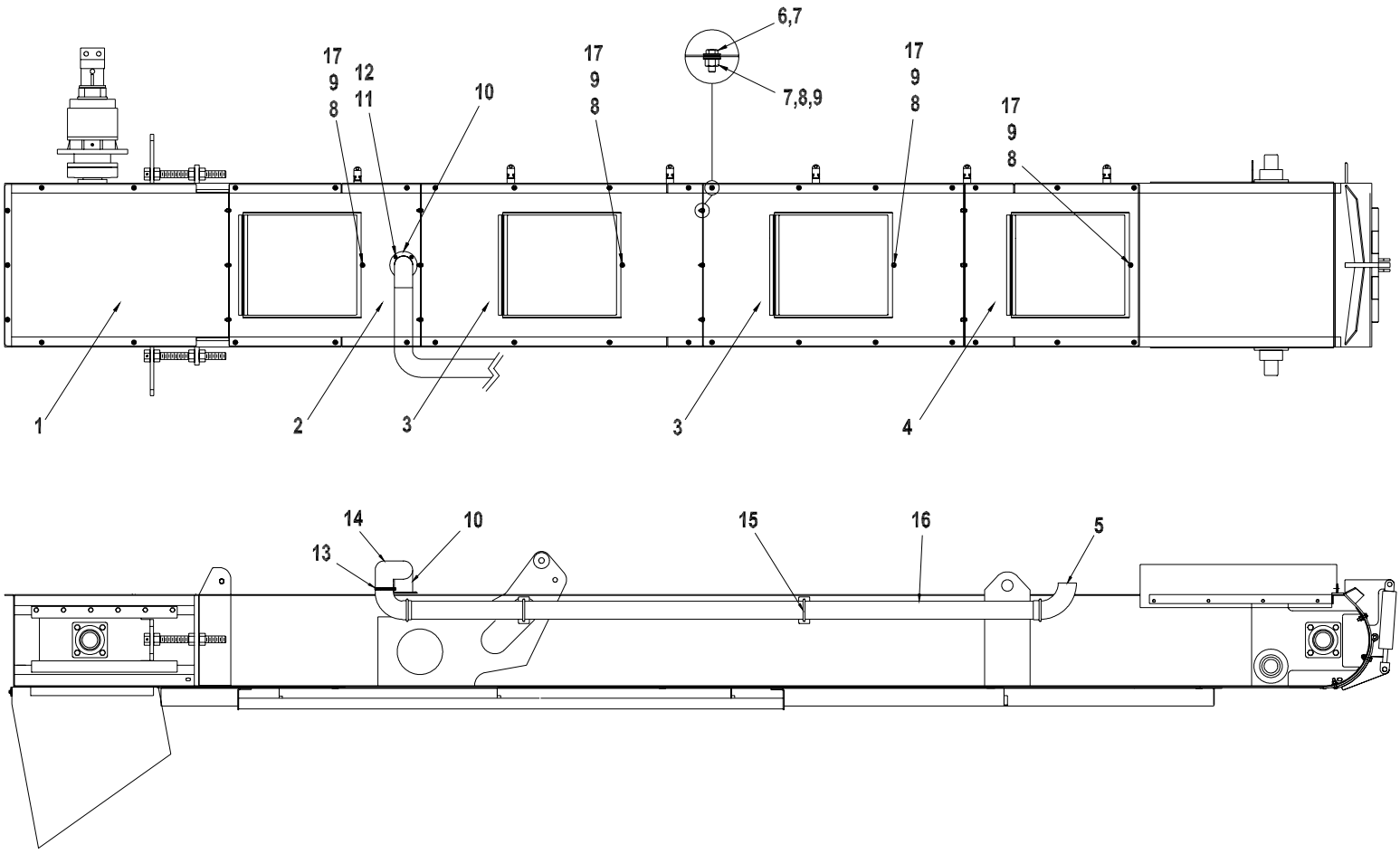
PREVIOUS PAGE



C-3 CHAIN & IDLER ASSEMBLY
(213665-01)

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	4
10	99778-03	ADJUSTMENT ARM	1
11	29E38	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	16
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	LOCK WASHER - 3/4 SPRING STEEL	29
29	84717	LOCK WASHER - 5/8 SPRING STEEL	44
30	83317	LOCK WASHER - 1/2 SPRING STEEL	16
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	3

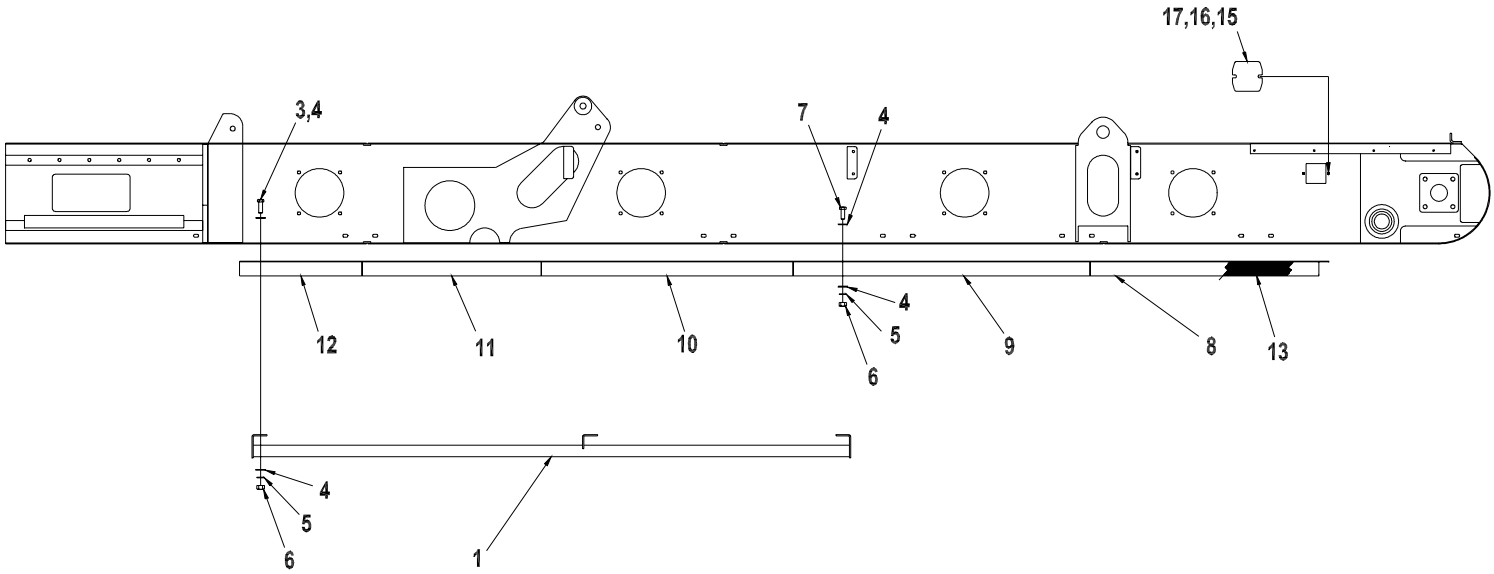
C-3 TOP COVER W/ FUME-EX ASSEMBLY
(204788-01)



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 WLDMT.	1
3	204780-03	TOP COVER WLDMT. (MIDDLE COVER)	2
4	145561-03	TOP COVER WLDMT. (RECEIVING END)	1
5	29H38	ELBOW - 4" ALUMINIZED 90 DEG.	2
6	84332	HEX BOLT - 3/8-16 X 1" GR8	40
7	83757	FLAT WASHER - 3/8 STEEL	80
8	83056	LOCK WASHER - 3/8" SPRING STEEL	40
9	83055	HEX NUT - 3/8-11 GR8	40
10	129111-02	FLANGED ELBOW FOR FUME-X	1
11	83065	LOCK WASHER - 1/4" SPRING STEEL	4
12	89772	HEX NUT - 1/4-20 GR8	4
13	129000	HOSE CLAMP - 4 1/2" (IDEAL #646)	2
14	125232-04	HOSE - 4" FLEX 2 PLY X 32" LG	1
15	93129	CLAMP - 4" MUFFLER	4
16	138462-04	FUME EXTRACTION TUBE (12 FT. LG.)	1
17	203227-03	HEAD & TAIL WASHER	1

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



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

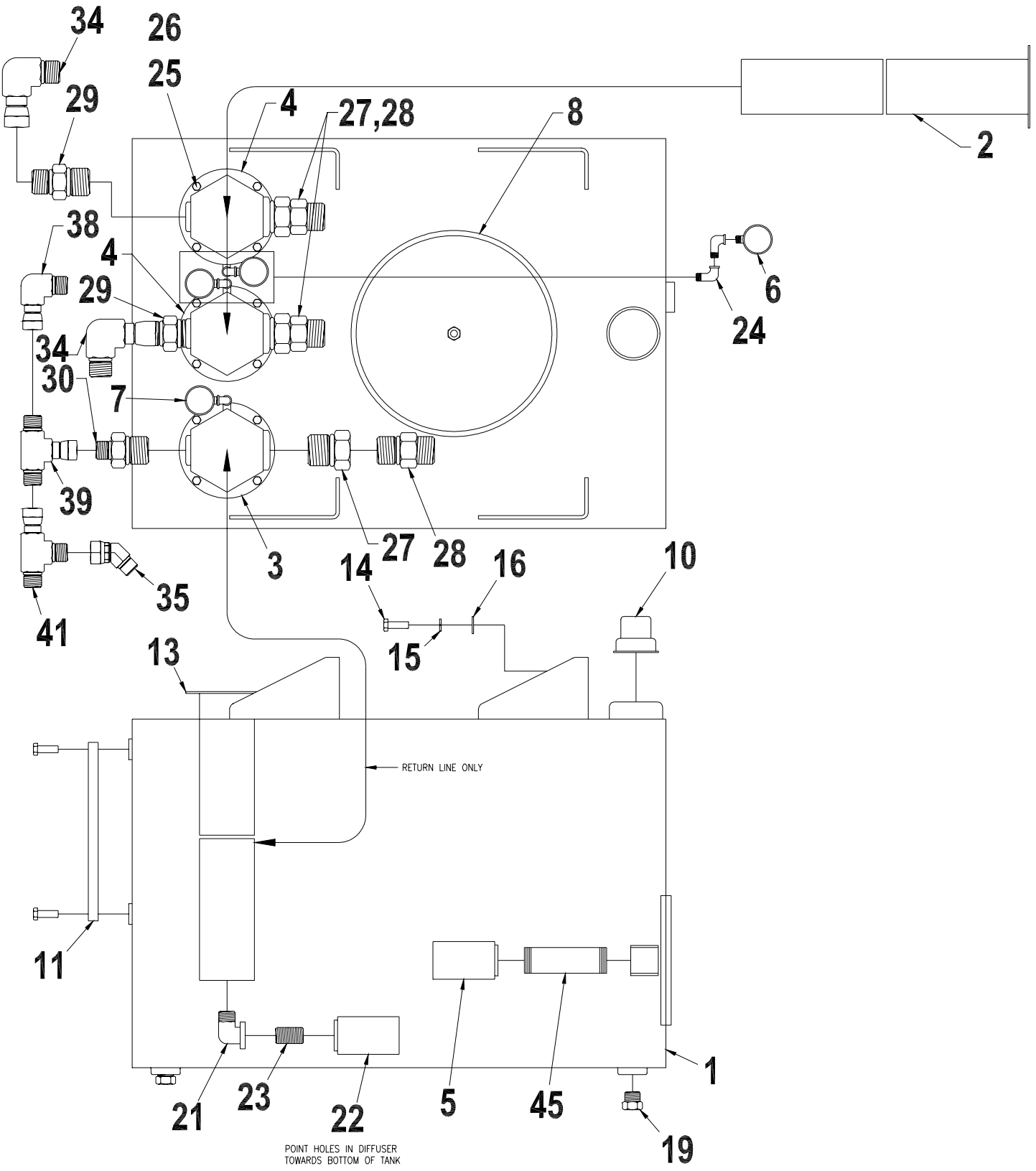
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	141290-01L	LH TRUCK RAIL	1
2	141290-01R	RH TRUCK RAIL	1
3	84674	HEX BOLT, 1/2 - 13 X 2 GR8	6
4	83781-04	FLAT WASHER, 1/2 STEEL	60
5	83317	LOCKWASHER, 1/2 SPRING STEEL	30
6	83288	HEX NUT, 1/2 - 13 GR8	30
7	89142	HEX BOLT, 1/2 - 13 X 1 3/4 GR8	24
8	131774-01	INSULATION 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

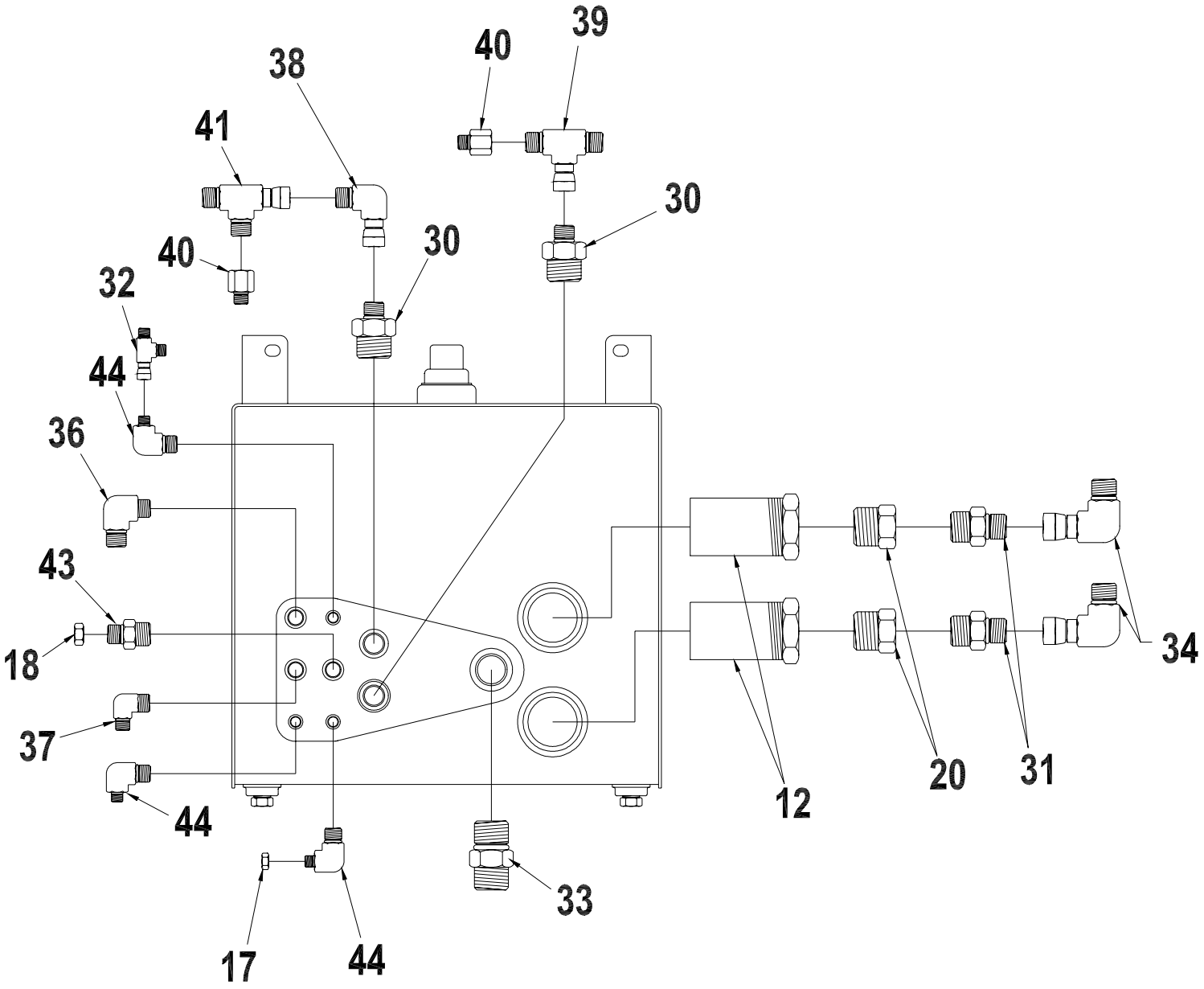
ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	208162-01	724 & UP	4.1
AUXILIARY PUMP	206525-01		4.5
BRAKE (ROCKWELL AXLES)	201481-01		4.7
BRAKE ACCUMULATOR	202729-03		4.9
R.H. BRAKE ACTUATOR	202728-03		4.11
L.H. BRAKE ACTUATOR	202727-03		4.13
BRAKE MANIFOLD	202724-03		4.15
FUME CONTROL	143490-02		4.17
C-1 CONVEYOR DRIVE	211351-01	761 & UP	4.19
C-1 HOPPER	210665-01	754 & UP	4.23
C-1 HOPPER CONTROL MANIFOLD	210664-02		4.25
C-1 RAISE / LOWER	207720-01	712 & UP	4.27
C-1 RAISE/LOWER MANIFOLD	202137-01		4.31
C-1 HYD. PUSH ROLLER	209080-01	722 & UP	4.33
PUSH ROLLER MANIFOLD	202820-02		4.35
C-2 CONVEYOR DRIVE	149543-01		4.37
C-2 HOPPER CLEAN OUT	149422-01		4.41
C-3 CONVEYOR DRIVE	145972-01		4.43
C-3 CONTROL	200806-01		4.45
C-3 CNTL. MANIFOLD	202240-02		4.47
FLOWGATE	200774-01		4.49
FLOWGATE CNTL. MANIFOLD	202277-02		4.51
HOOD RAISE	204266-01		4.53
DRIVE (PROPEL)	200772-01		4.55
STEERING	149416-01		4.59
DIFF. LOCK VALVE	202267-02		4.61
HAND PUMP / PILOT VALVE MANIFOLD	202291-03		4.63
HYDRAULIC CHANNEL ASSY.	205434-01		4.65
SPEED CHART	207978-01		
SCHEMATIC	210666-01		
HOSE LIST	210661-04		

SB-2500C HYDRAULIC TANK ASSEMBLY
(208162-01)

NEXT PAGE



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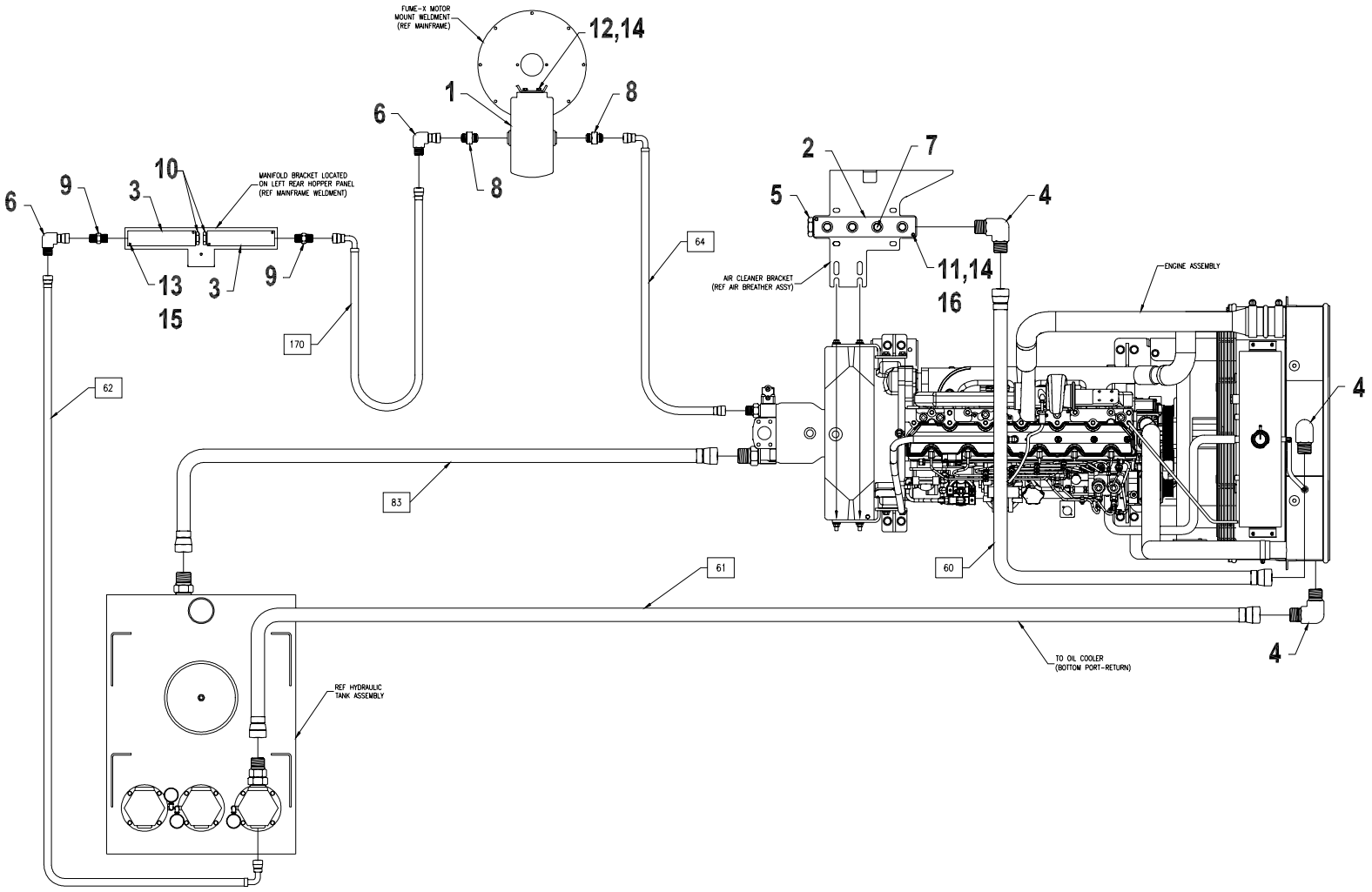
TANK CAPACITY - 114 U.S. GALLONS

SB-2500C HYDRAULIC TANK ASSEMBLY
(208162-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	208161-01	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	208510-04	RESERVOIR COVER 16"	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	LOCK WASHER 1/2" SPRING STEEL	4
16	83781-04	FLAT WASHER 1/2" STEEL	4
17	85391-04	6 JIC CAP	1
18	83988	FIT - 8 JIC CAP	1
19	97032	PIPE PLUG - 3/4" NPT	2
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	1
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	LOCK WASHER 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	3
31	89605	CONNECTOR - 1 1/4" NPT X 16 JIC ST M.	2
32	84636-04	FIT - 6 JIC SWIVEL RUN TEE	1
33	83768-04	FIT - 24 SAE X 24 JIC CONNECTOR	1
34	84654-04	16 JIC 90 SWIV ELBOW	4
35	90952-04	12 JIC 45 SWIV ELBOW	1
36	91664-04	FIT - 12 SAE X 12 JIC 90 DEG. ELBOW	1
37	127491	FIT - 12 SAE X 8 JIC 90 DEG. ELBOW	1
38	83764-04	12 JIC SWIV 90 ELBOW	3
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			
43	89616	FIT - 12 SAE X 8 JIC M CONNECTOR	1
44	92987	FIT - 10 SAE X 6 JIC 90 DEG. ELBOW	3
45	89891-04	NIPPLE - 1 1/2" NPT SCH. 40 X 6" LG	1

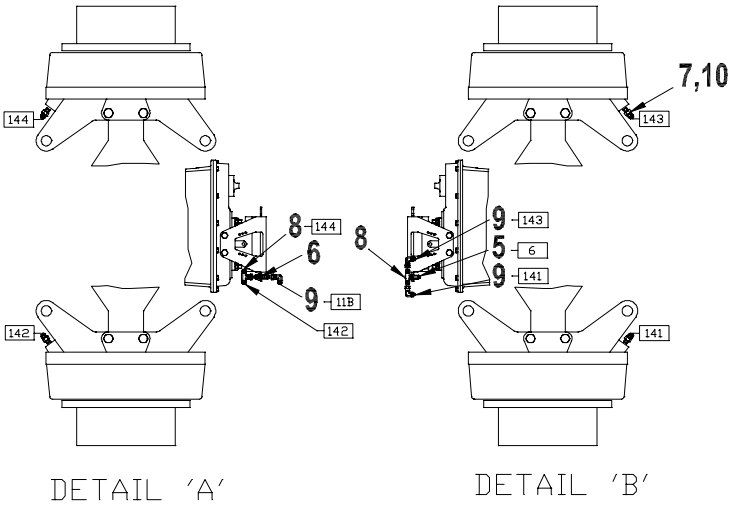
AUXILIARY PUMP & OIL COOLER HYDRAULICS

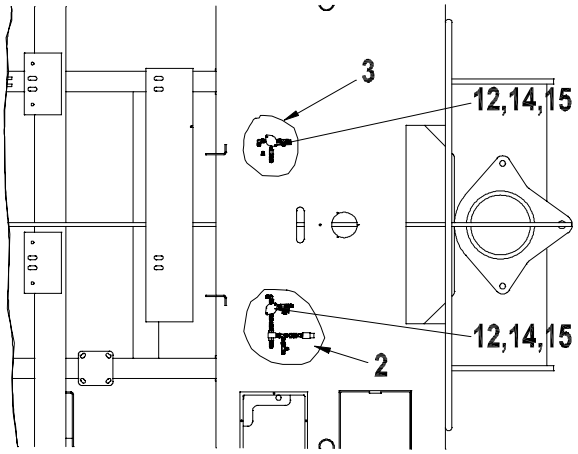
(206525-01)

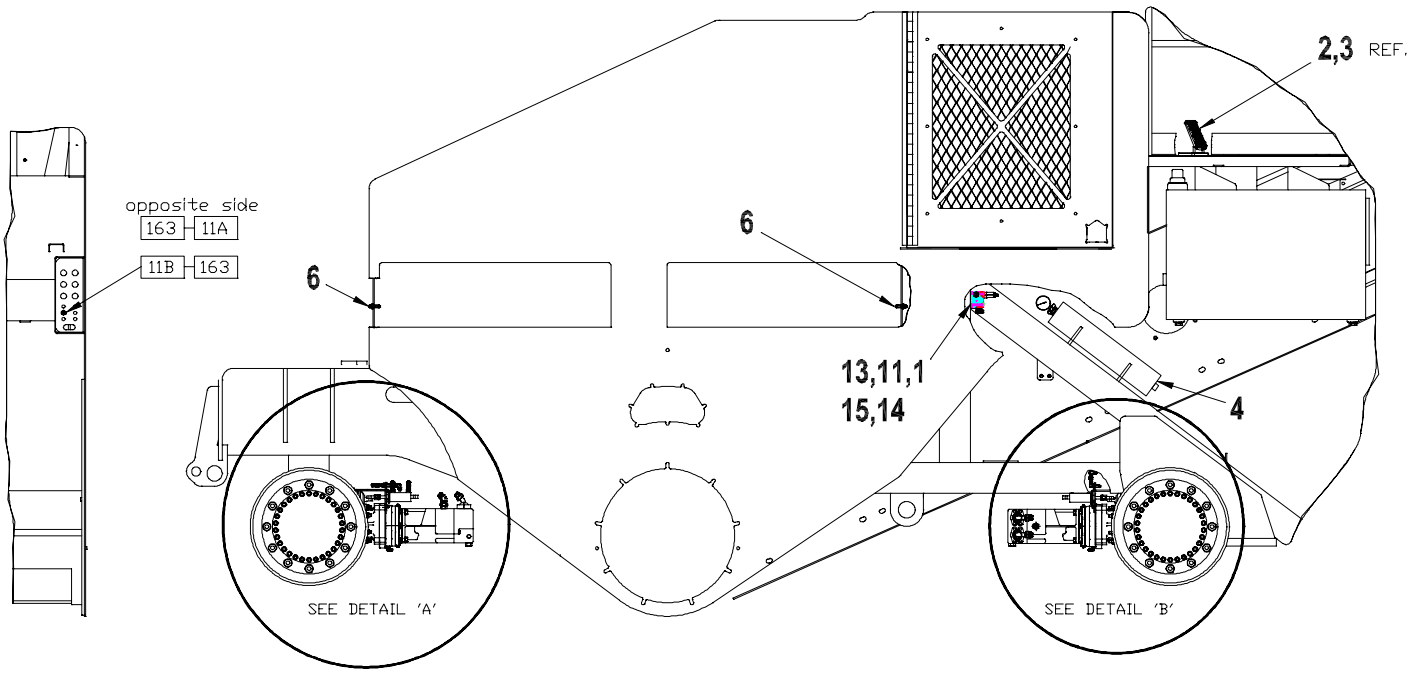


AUXILIARY PUMP & OIL COOLER HYDRAULICS
(206525-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142799-03	HIGH PRESSURE IN-LINE FILTER	1
2	206524-03	O DEG. MANIFOLD BLOCK (16 SAE PORTS)	1
3	206522-03	180 DEG. MANIFOLD BLOCK (8 SAE PORTS)	2
4	97168	20 JIC X 20 SAE 90	3
5	127627	FIT - 20 SAE PLUG	1
6	83764-04	12 JIC SW 90	2
7	85875-04	FIT - 16 SAE X 12 JIC 90 DEG. ELBOW	4
8	120671	12 JIC X 20 SAE ST	2
9	83457-04	12 JIC X 12 SAE ST	2
10	85396-04	FIT - 16 SAE PLUG	2
11	12D09	HEX BOLT - 3/8-16 X 3 3/4	2
12	142926	BOLT - 3/8-24 UNF X 1 LG GR8	4
13	130521	HEX BOLT - 1/4-20 X 2 3/4 GR8	4
14	83056	LOCKWASHER - 3/8	6
15	83065	LOCKWASHER - 1/4" SPRING STEEL	4
16	83055	HEX NUT - 3/8-16	2


144
8
144
6
9
11B
142
142
7,10
143
8
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	91836-04	HEX BOLT - 1/4" - 20 X 3 "	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			
18			
19			
20			

BRAKE ACCUMULATOR
(202729-03)



(XX) - ITEM

[XXX] - HOSE NUMBER

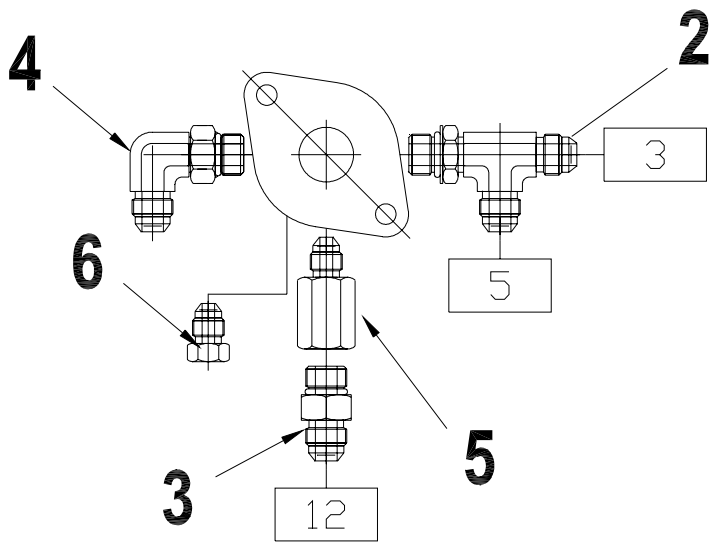
BRAKE ACCUMULATOR
(202729-03)

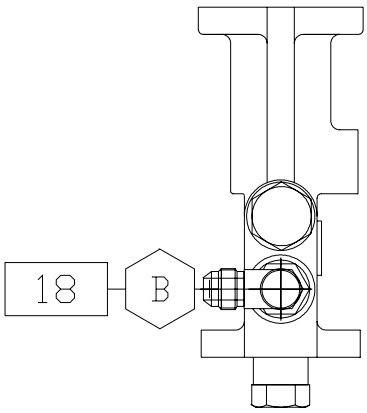
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99389	TANK, TOBUL ACCUMULATOR	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	136299-04	REDUCER, 20 SAE M. X 6 SAE FM. SWIVEL	1
4	86622-04	1/4 NPT M. X 6 JIC FM. SWIVEL	1
5	89059-04	GAUGE 0-3000 PSI U-N-U-GF	1
6			
7			
8			
9			
10			

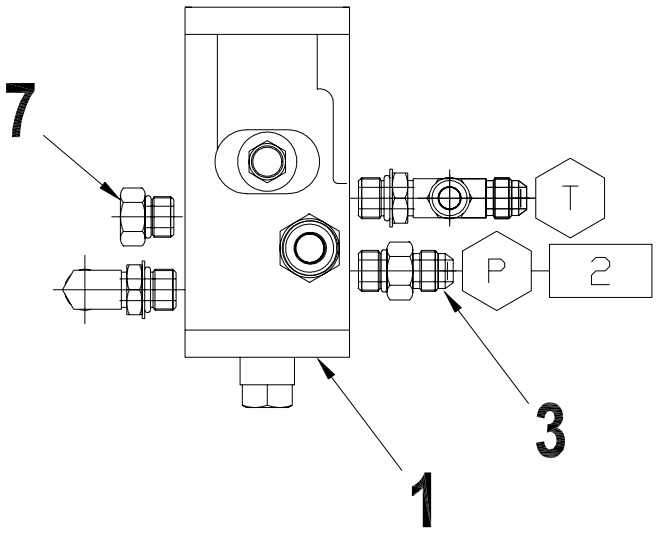
(X) - ITEM

XXX - HOSE NUMBER

(XX) - MANIFOLD PORT

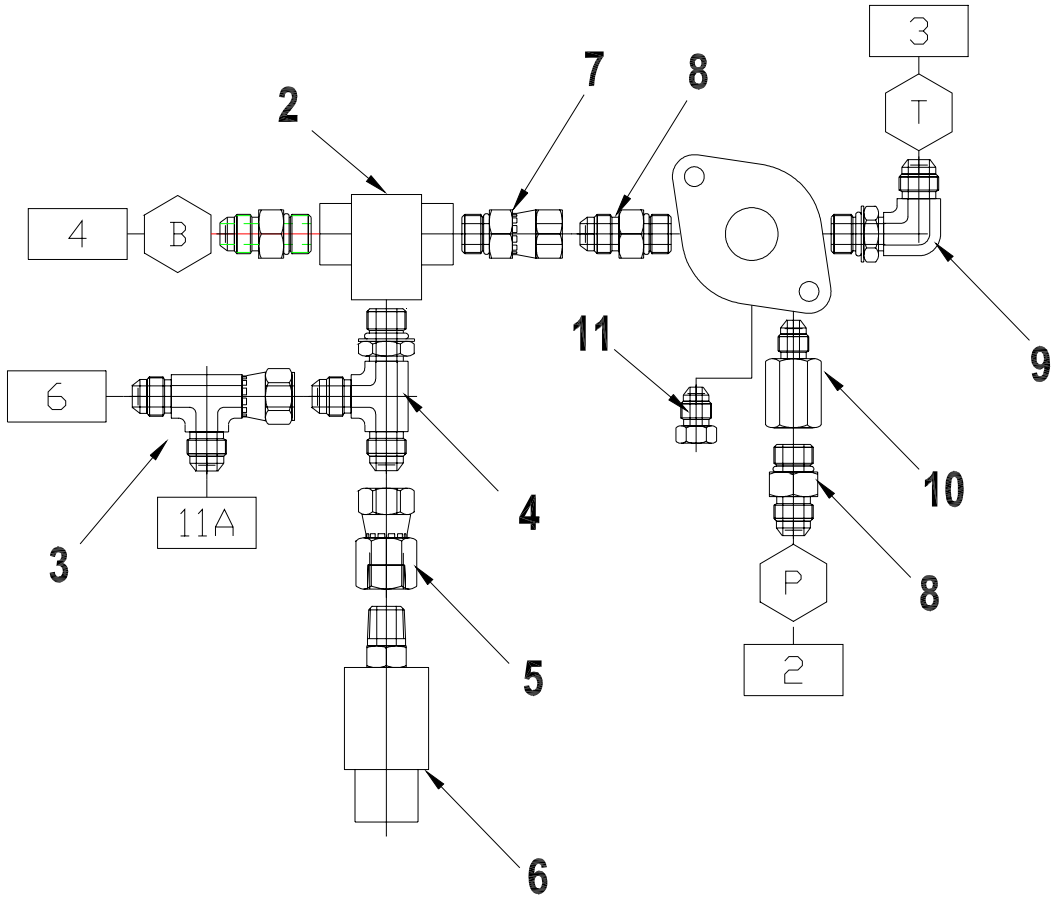






R.H. BRAKE ACTUATOR
(202728-03)

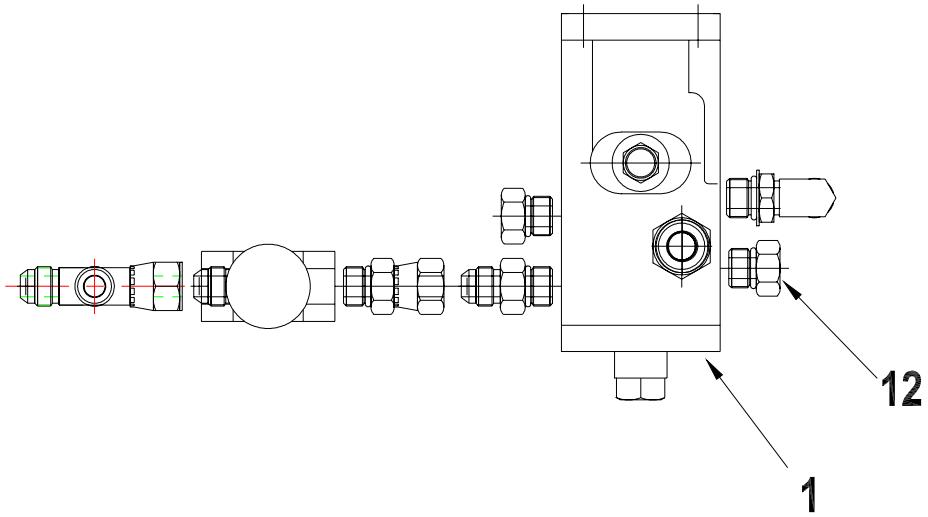
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99365	VALVE, ACTUATOR HYD. POWER BRAKE	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
4	83734-04	6 JIC X 6 SAE 90	1
5	88579-04	ADAPTER - 4 SAE M. X 6 SAE	1
6	89897-04	PLUG 4 SAE	1
7	84635-04	PLUG 6 SAE THIN-HEAD	1
8			
9			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



(X) - ITEM

XXX - HOSE NUMBER

XX - MANIFOLD PORT



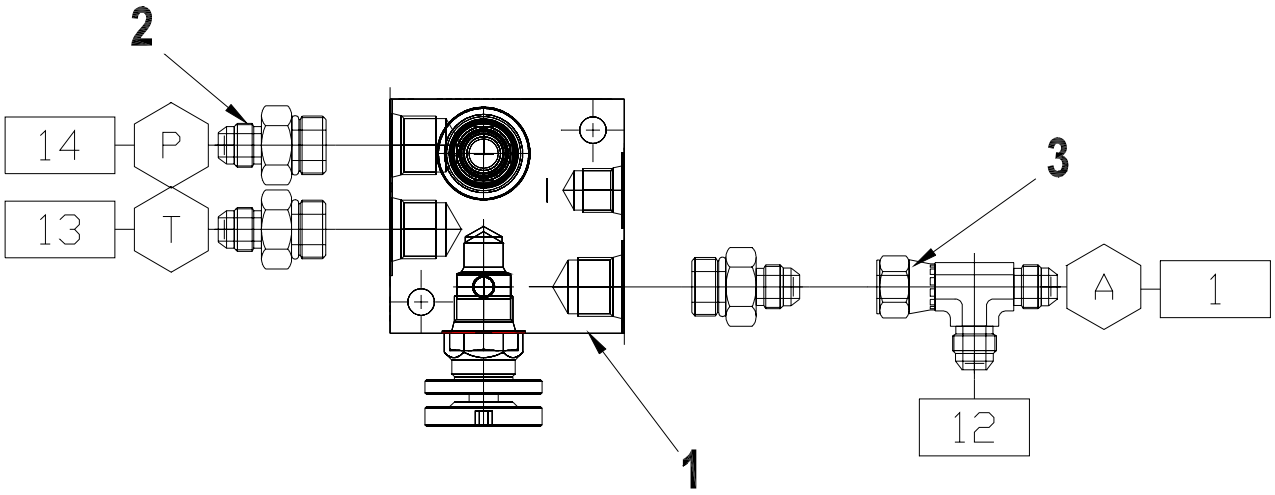
L.H. BRAKE ACTUATOR
(202727-03)

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

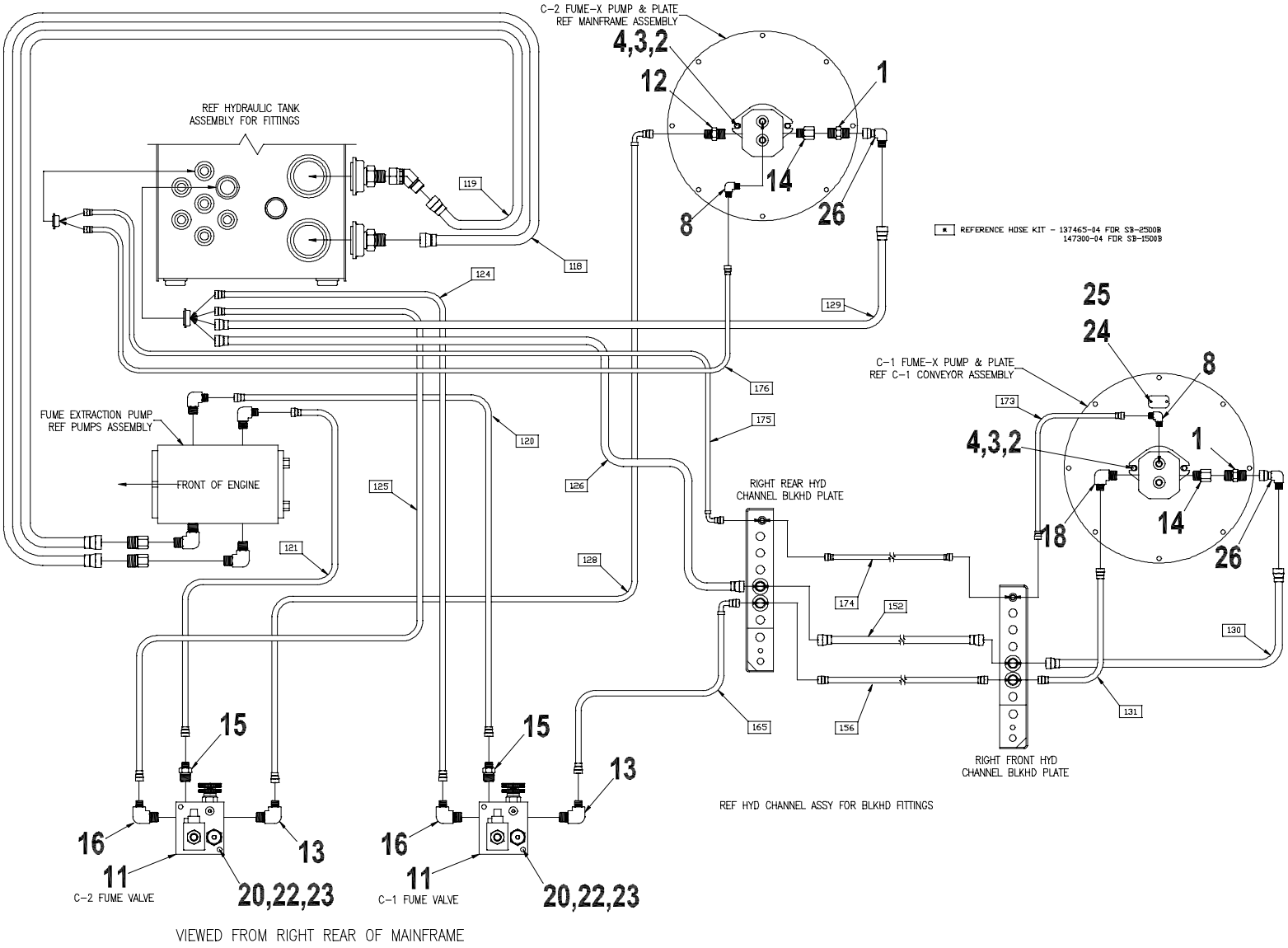
XXX - HOSE NUMBER

(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			

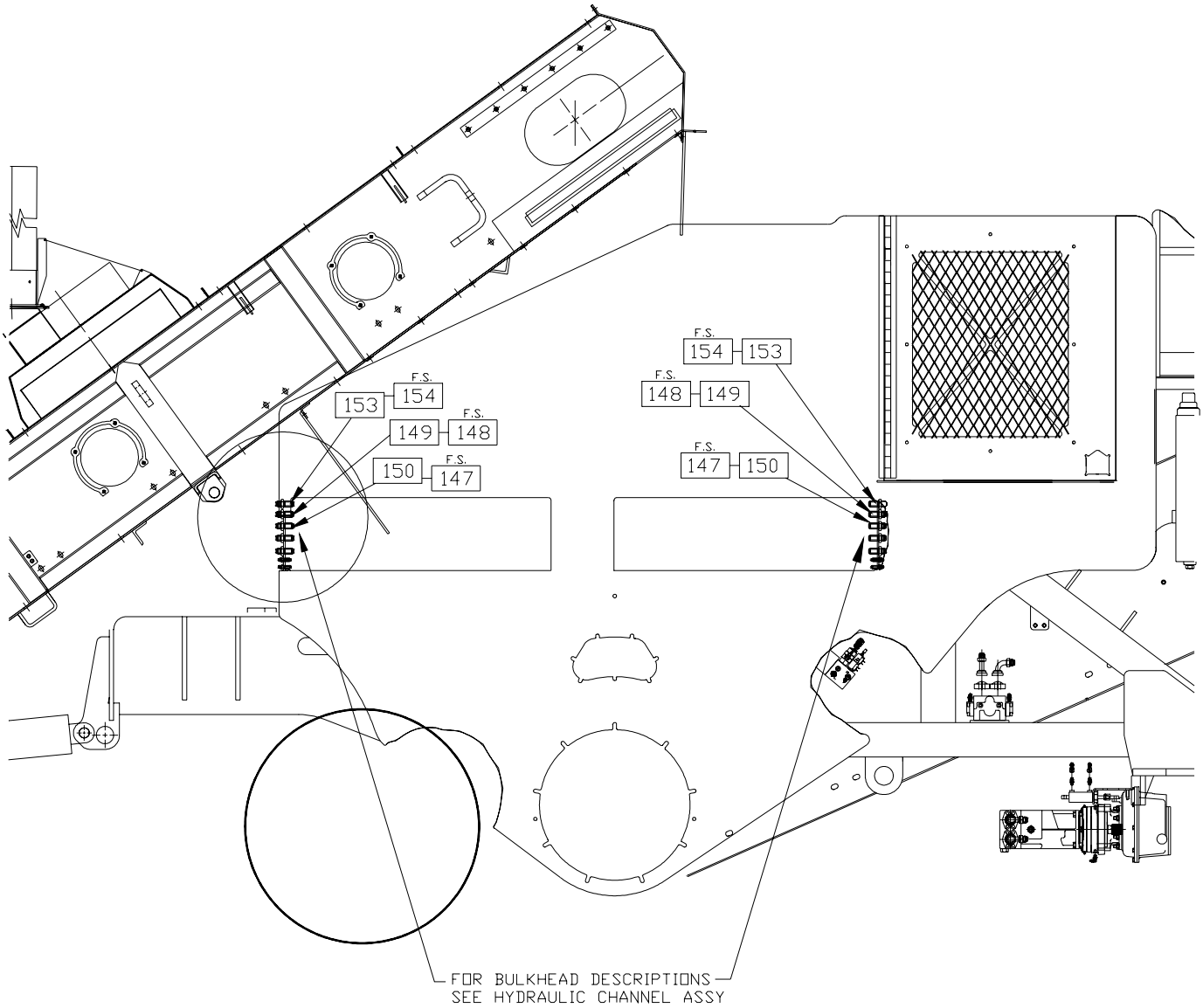


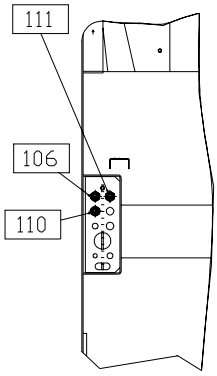
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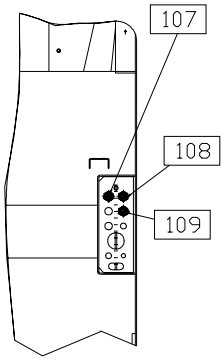
FUME CONTROL HYDRAULICS
(143490-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142848-04	CHECK VALVE - #12 100 PSI CRACKING	2
2	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
3	83757	FLAT WASHER - 3/8" STEEL	8
4	93175	LOCK NUT - 3/8-16 SPRING STEEL	4
5			
6			
7			
8	83734-04	FIT - 6 JIC X 6 SAE M 90 DEG. CONNECTOR	2
9			
10	127491	FIT - 8 JIC X 12 SAE 90 DEG. CONNECTOR	2
11	142284-03	MANIFOLD - FUME EXTRACTION	2
12	83704-04	FIT - 10 SAE X 8 JIC M ST CONNECTOR	1
13	127491	FIT - 12 SAE X 8 JIC 90 DEG. ELBOW	2
14	87986-04	FIT - 12 SAE FM X 10 SAE M REDUCER	2
15	89616	FIT - 12 SAE X 8 JIC M ST CONNECTOR	2
16	127491	FIT - 12 SAE X 8 JIC M 90 DEG. CONNECTOR	2
17	97551	FIT - 10 SAE X 12 JIC M 90 DEG. CONNECTOR	2
18	123831	FIT - 10 SAE X 8 JIC M 90 DEG. CONNECTOR	1
19	93175	LOCK NUT - 3/8"	4
20	146144	HEX BOLT - 1/4-20 X 3 3/4" GR8	4
21	89772	HEX NUT - 1/4" GR8	4
22			
23	84444	FLAT WASHER - 1/4" STEEL	4
24	83065	LOCKWASHER - 1/4" SPRING STEEL	6
25	83114	HEX BOLT - 1/4-20 X 1/2" GR8	2
26	83764-04	FIT - 12 JIC SW 90 DEG. ELBOW	2

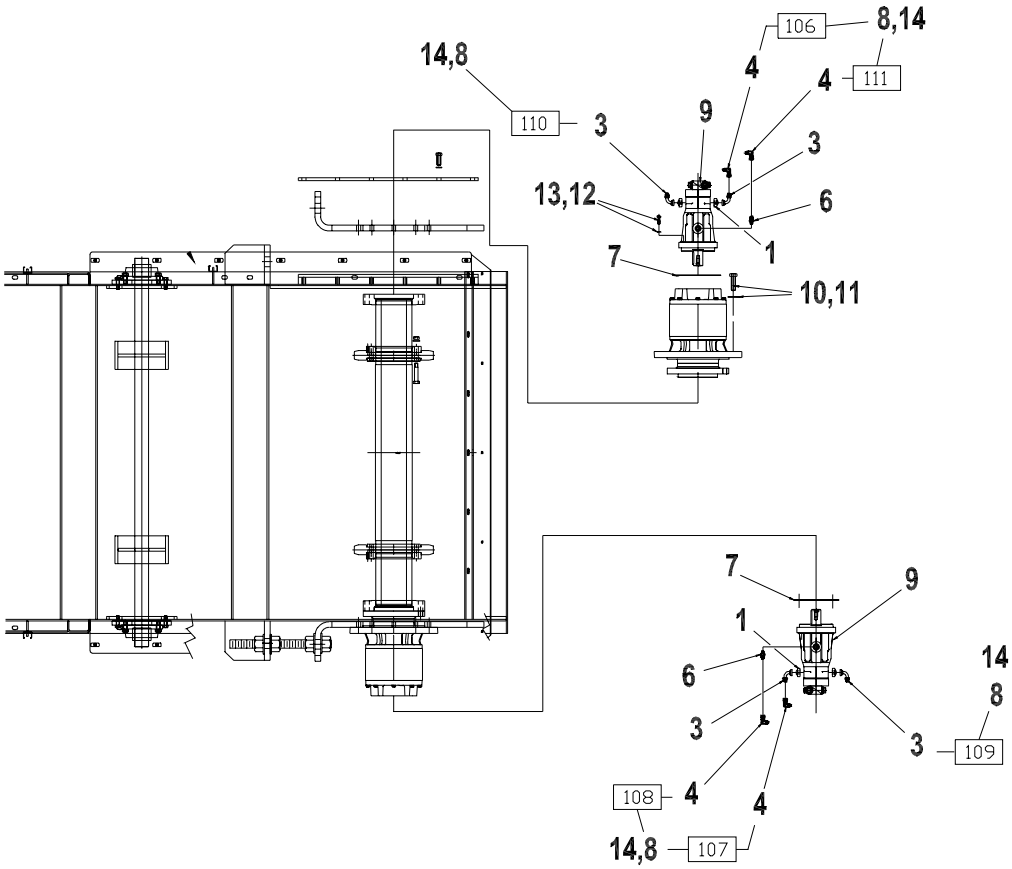
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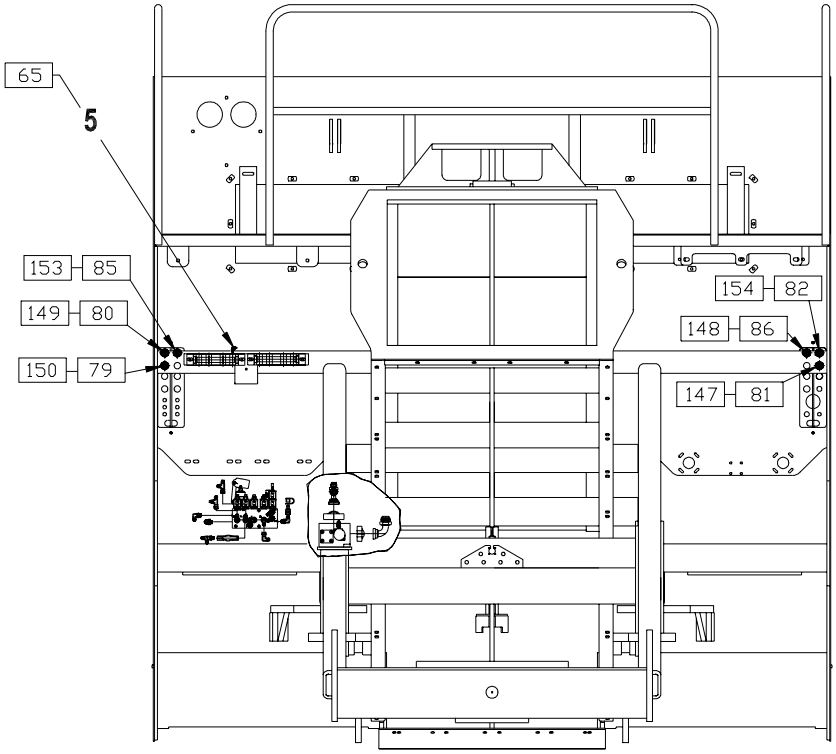

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FOR BULKHEAD DESCRIPTIONS
SEE HYDRAULIC CHANNEL ASSY


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PREVIOUS PAGE



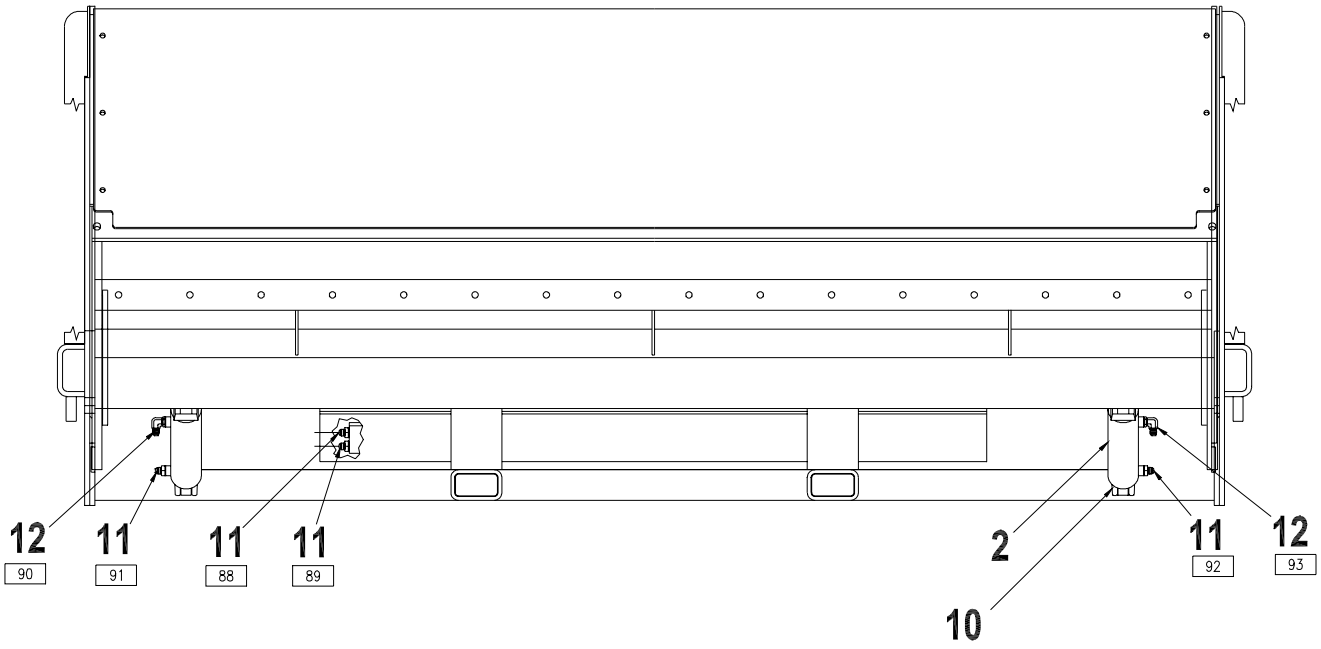


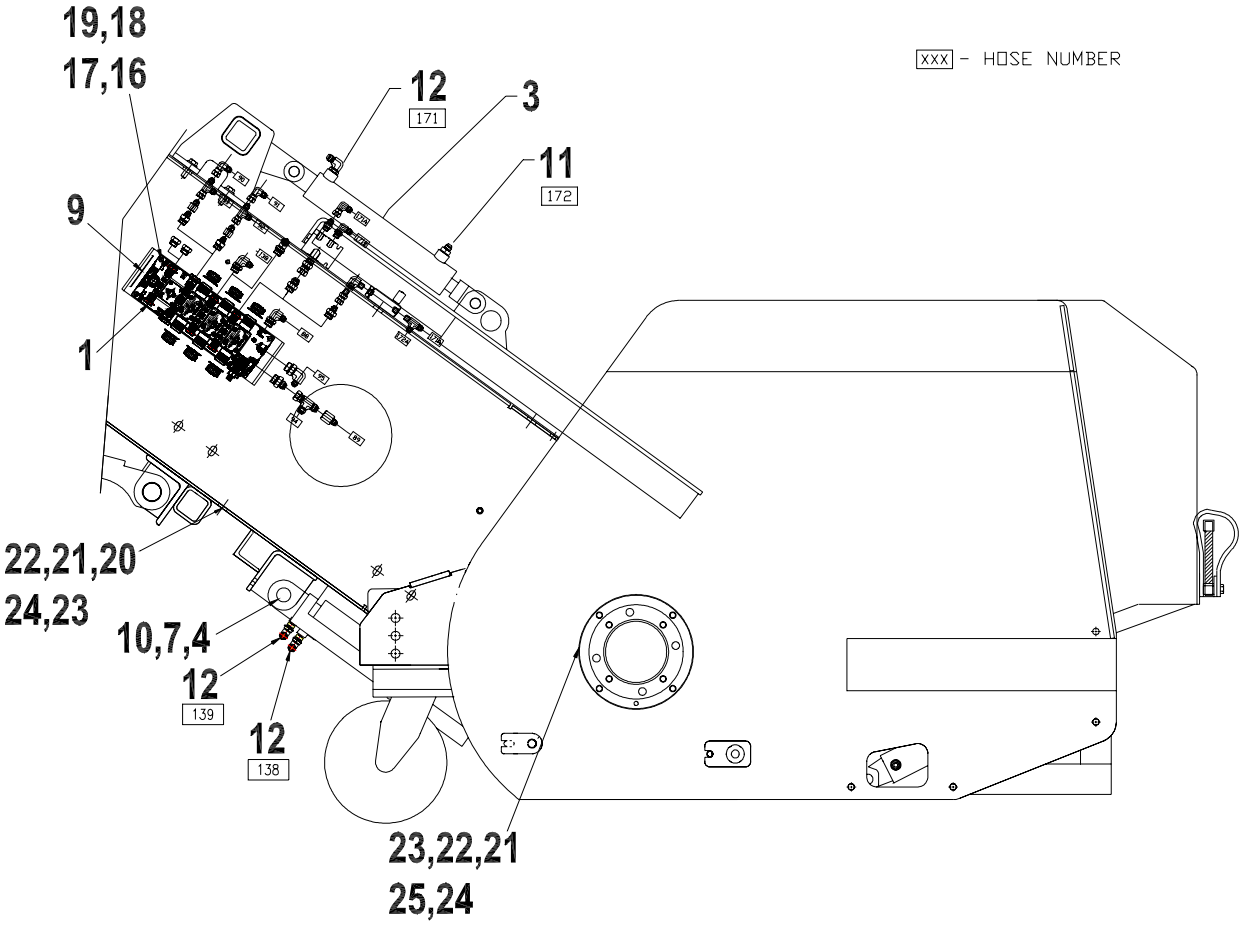
C-1 DRIVE HYDRAULICS
(211351-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86076-04	FIT - 12 JIC FLANGE KIT	4
2	89986-04	HEX BOLT - 3/8-16 X 4 1/2" GR8	16
3	83890-04	FIT - 12 JIC X 12 FLANGE 90 DEG. CODE 62	4
4	83764-04	FIT - JIC M X 12 JIC F SWIVEL 90 DEG. CONNECTOR	4
5	85490-04	FIT - 12 JIC X 3/4" NPT 90 DEG. CONNECTOR	1
6	83458-04	FIT - 8 SAE X 12 JIC ST CONNECTOR	2
7	130086-C1	GASKET - FOR AUSCO BRAKE	2
8	11K76	CLAMP - MOUNTING FOR 1 1/4" OD TUBE	8
9	142642-04	MOTOR - BENT AXIS 60 CC / REV.	2
10	93189	HEX BOLT - 3/4-10 UNC X 2 1/4" LG GR8	REF
11	83752-04	LOCK WASHER - 3/4" ID NOM. SPRING STEEL	REF
12	89142	HEX BOLT - 1/2-13 UNC X 1 3/4" LG GR8	8
13	O5707	CONICAL WASHER - 1/2" ID NOM.	8
14	149015	CLAMP - MOUNTING FOR 1 1/8" OD TUBE	4

C-1 DUMP HOPPER HYDRAULICS

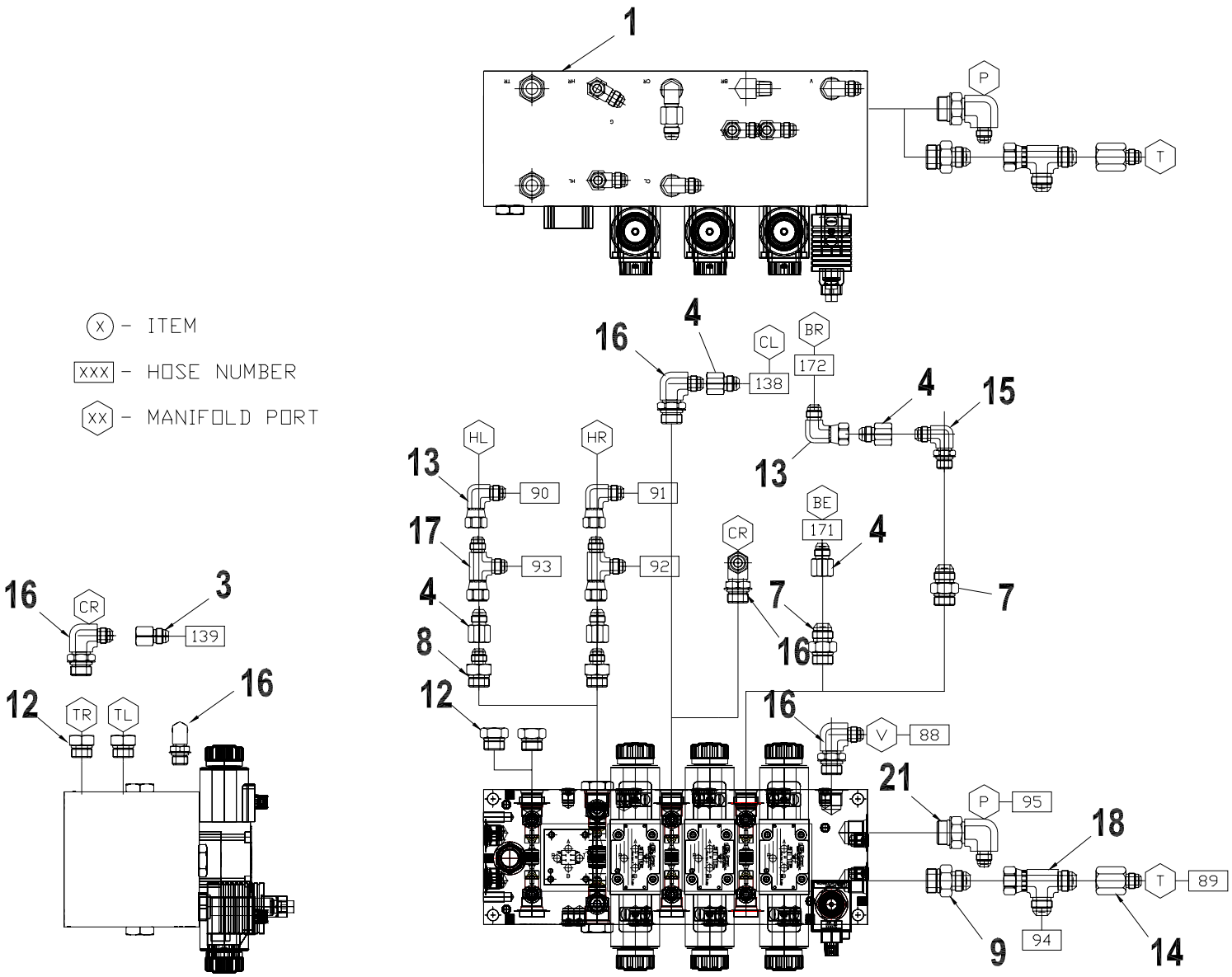
(210665-01)





C-1 DUMP HOPPER HYDRAULICS
(210665-01)

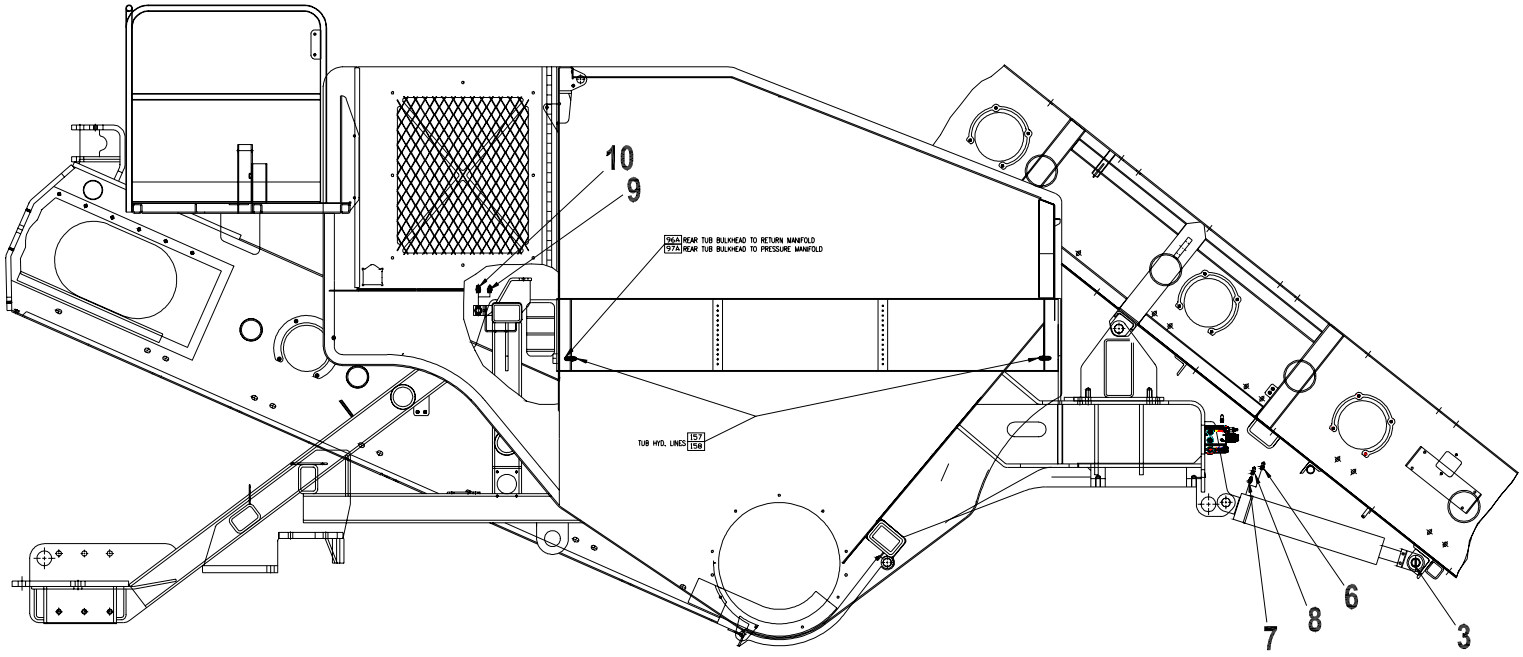
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	210664-02	C1 HOPPER CONTROLS MANIFOLD ASSEMBLY	1
2	206666-01	CYL - 4.00 BORE X 8.00 STROKE	2
3	97482-01	CYL - 2 1/2" BORE X 12 STROKE	1
4	149425-01	CYL MODIFICATION - C1 CLEANOUT	1
5			
6			
7	149429-03	C1 CLEANOUT DOOR	2
8	147993-03	RETAINER PLATE	2
9			
10	70741	PIN - 3/16 X 2 1/2 COTTER	5
11	83469-04	FITTING - 6 JIC - 8 SAE ST MALE	5
12	84426-04	FITTING - 6 JIC - 8 SAE 90 MALE	5
13	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	2
14	86127-04	HEX BOLT - 3/8-16 X 3/4 GR8	2
15	83317	LOCK WASHER - 1/2 SPRING STEEL	5
16	83056	LOCK WASHER - 3/8 SPRING STEEL	6
17	26L52	BOLT, HEX 3/8 - 16 X 6" GD. 8	4
18	83055	NUT, HEX 3/8 - 16 UNC GD. 8	4
19	83757	FLAT WASHER 3/8" STEEL	4
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	LOCK WASHER 1/4" SPRING STEEL	5
24	89772	NUT, HEX 3/8 - 16 GD. 8	5
25	99965	TUBE CLAMP 2" RUBBERIZED	4

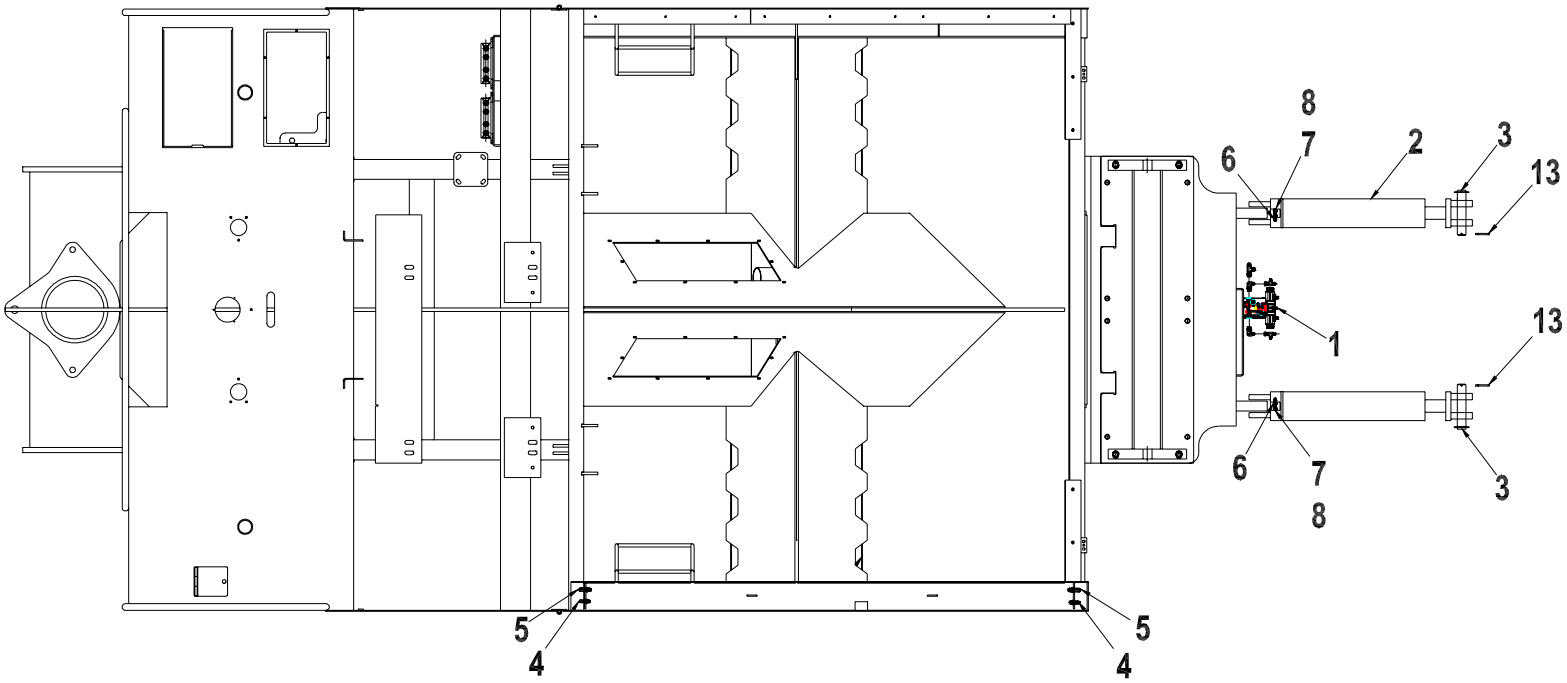

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C-1 HOPPER CONTROL MANIFOLD
(210664-02)

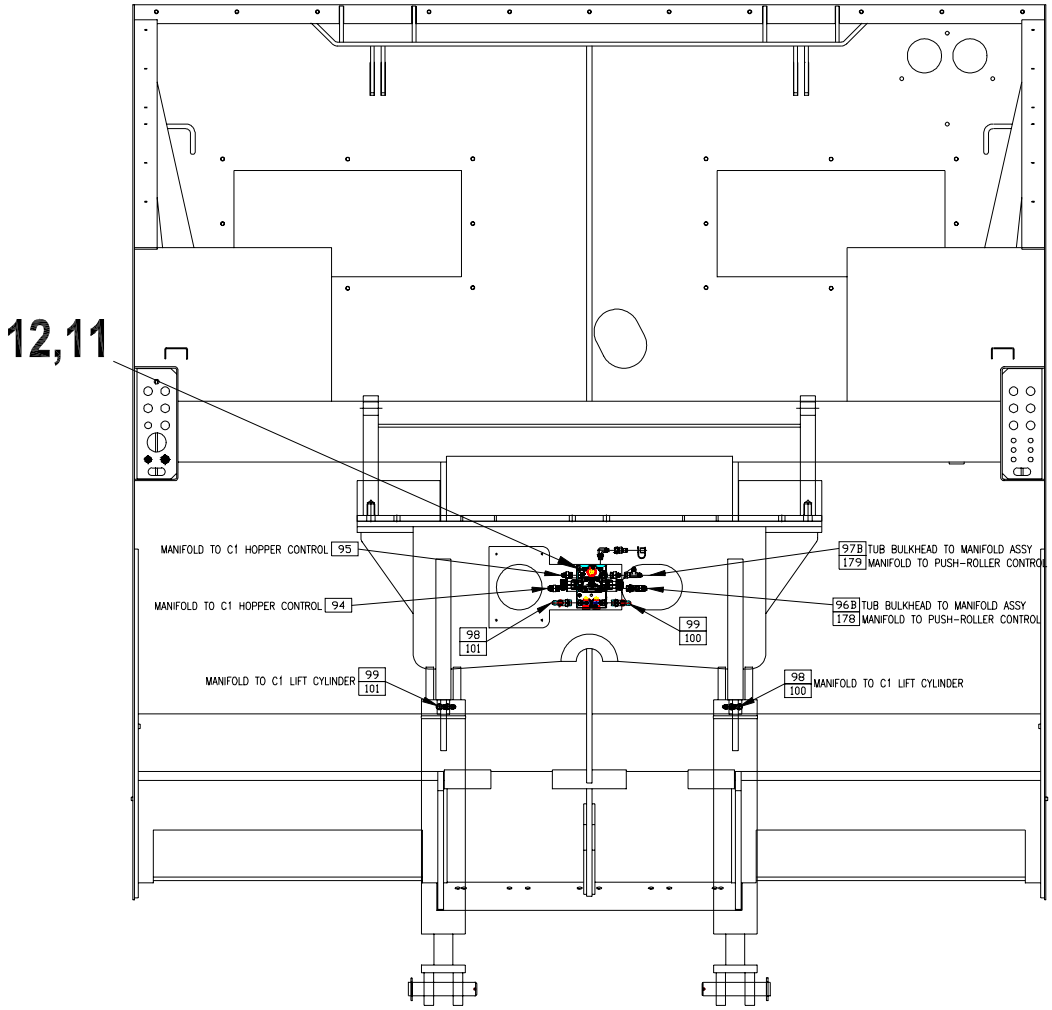
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146254-03	VALVE - C1 HOPPER CONTROL MANIFOLD	1
2	122168	FITTING - 8 SAE M - 8 JIC F SWIVEL	1
3	135409-04	FITTING - REST 6 JIC X 1/32 ORIFICE ST	1
4	135775-04	FITTING - RESTRICTOR 6 JIC X 1/16 ORIF	3
5			
6			
7	83459-04	CONNECTOR - 8 JIC X 8 SAE MALE	1
8	136995-04	FIT - 8 SAE M X 6 SAE FM REDUCER	3
9	83704-04	CONNECTOR - 8 JIC - 10 SAE MALE	1
10			
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	83734-04	FIT - 6 SAE X 6 JIC 90 DEG. ELBOW	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	135923-04	FIT - 6 SAE M X 6 JIC FM SW ST CONNECTOR	1
20	91665-04	FIT - 6 SAE X 6 JIC MALE RUN TEE	1
21	92987	FITTING - 6 JIC X 10 SAE 90 DEG	1

NEXT PAGE


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9
96A REAR TUB BULKHEAD TO RETURN MANIFOLD
97A REAR TUB BULKHEAD TO PRESSURE MANIFOLD
TUB HYD. LINES 157 158
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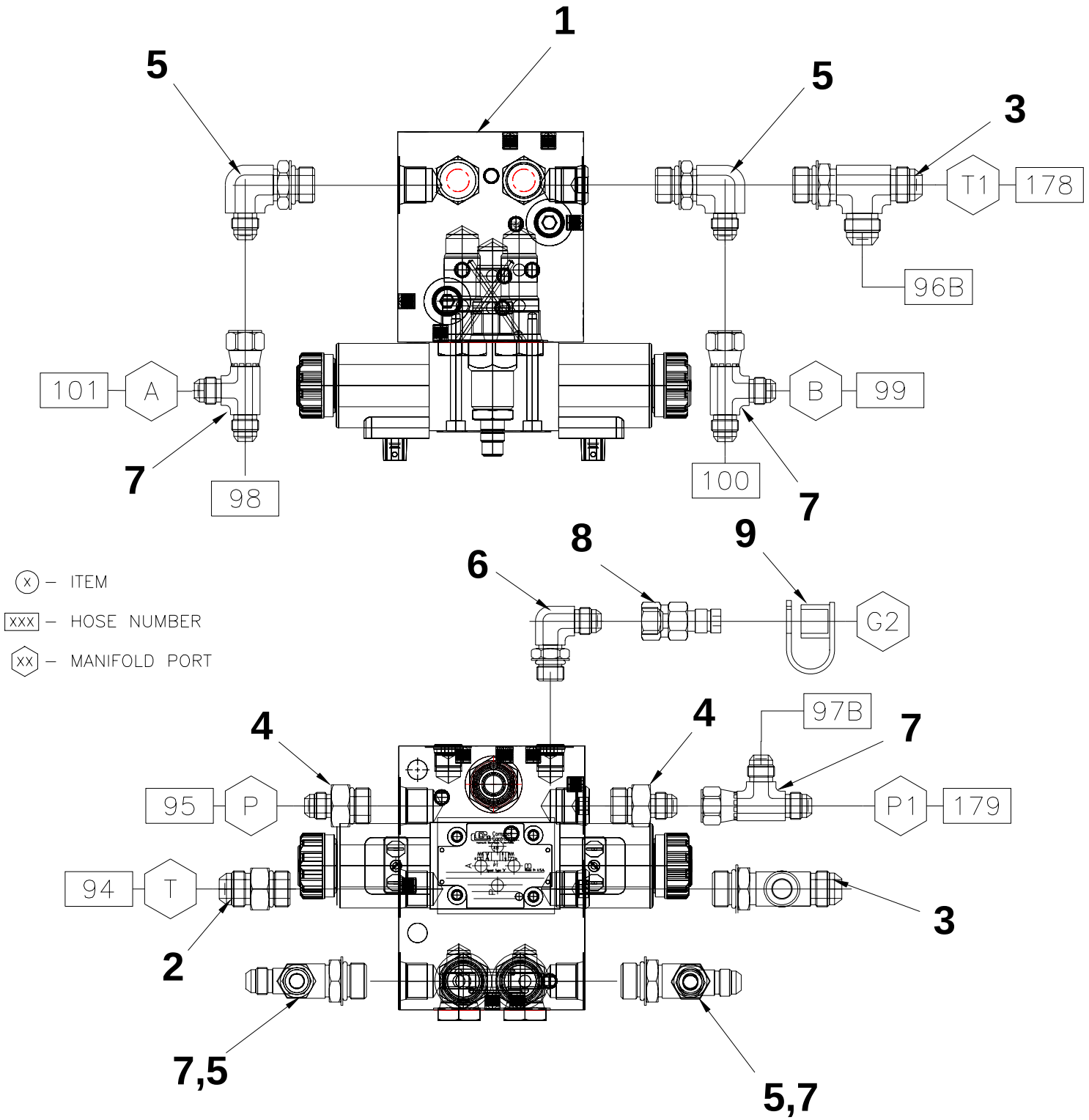
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C-1 RAISE / LOWER HYDRAULICS
(207720-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202137-03	C1 RAISE/ LOWER MANIFOLD ASSEMBLY	1
2	207380-01	MODIFIED C-1 LIFT CYLINDER	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	27D75	COTTER PIN - 1/4 X 2 1/2	2

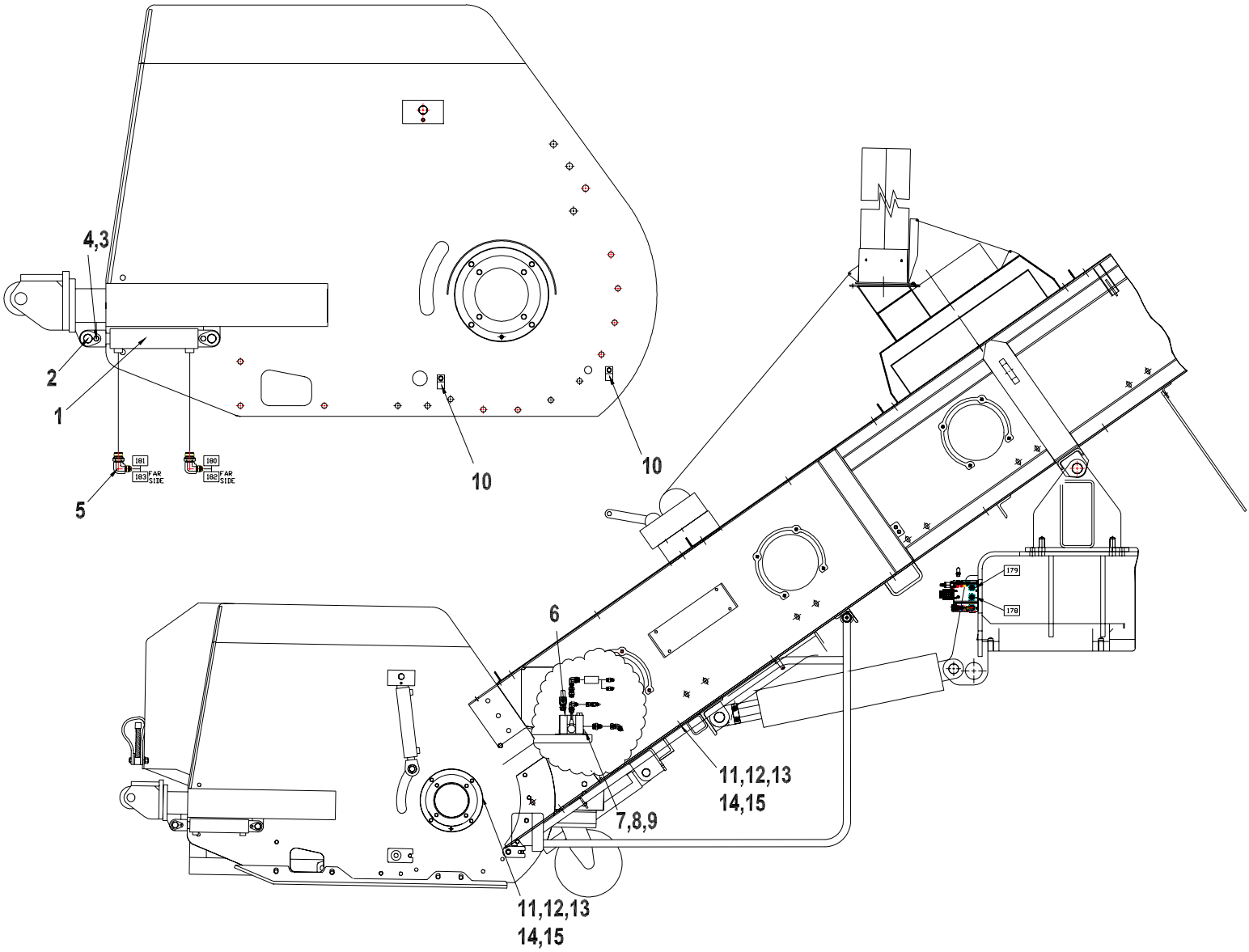
C-1 RAISE / LOWER MANIFOLD
(202137-02)



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

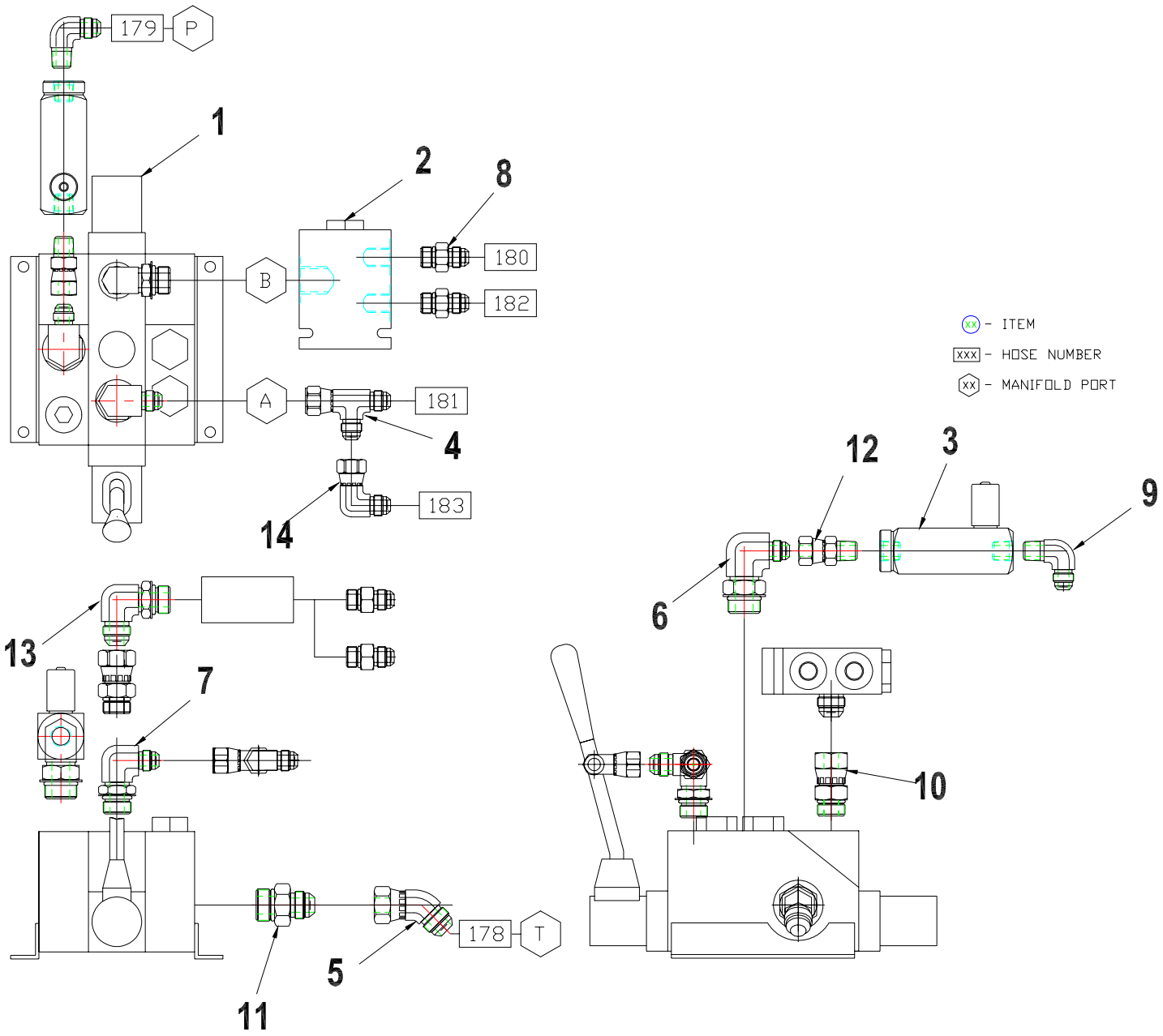
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146251-03	MANIFOLD - C1 RAISE/ LOWER FLOAT	1
2	83459-04	FITTING - 8 JIC - 8 SAE ST	1
3	83766-04	FITTING - 8 SAE X 8 X 8 JIC TEE	1
4	83469-04	FITTING - 6 JIC - 8 SAE MALE CONNECTOR	2
5	84426-04	FITTING - 6 JIC - 8 SAE 90 DEG MALE	2
6	83734-04	FITTING - 6 JIC - 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
(209080-01)



PUSH ROLLER HYDRAULICS
(209080-01)

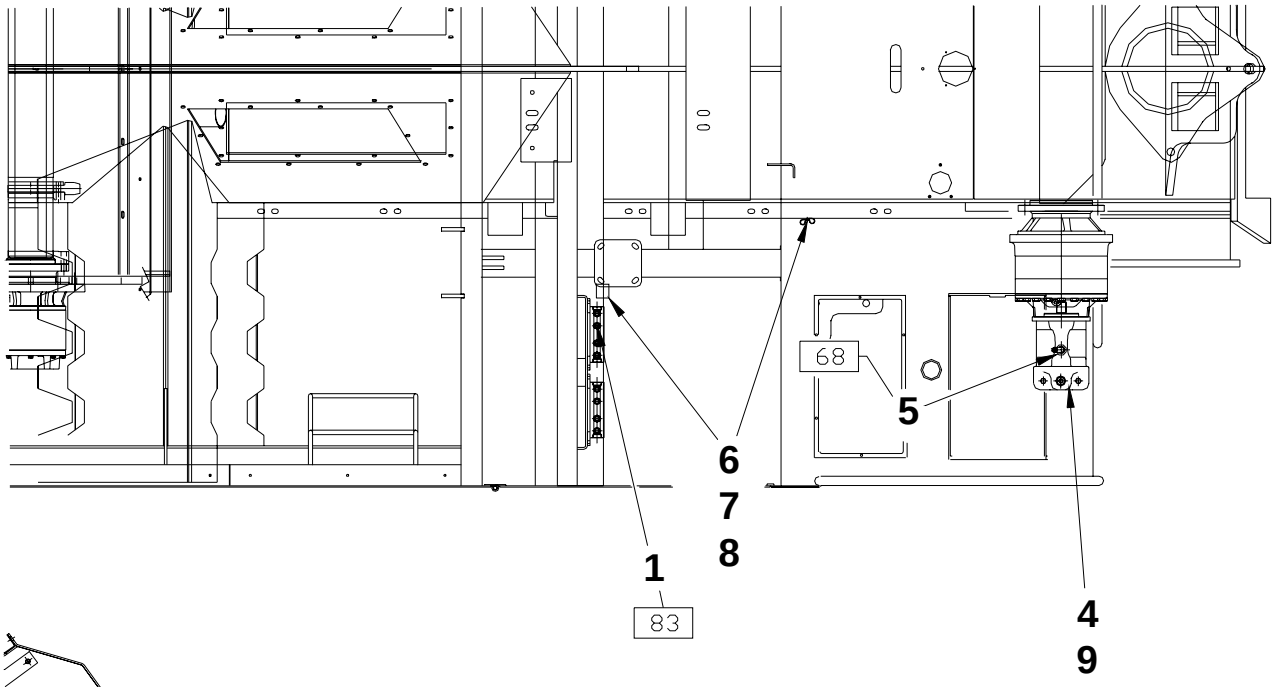
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2	148083-03	PIN - PUSH ROLLER CYLINDER	4
3	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	4
4	83056	LOCKWASHER 3/8" SPRING STEEL	4
5	84426-04	FITTING - 8 SAE X 6 JIC 90 M. ELBOW	4
6	209079-02	PUSH ROLLER MANIFOLD SUB-ASSY.	1
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

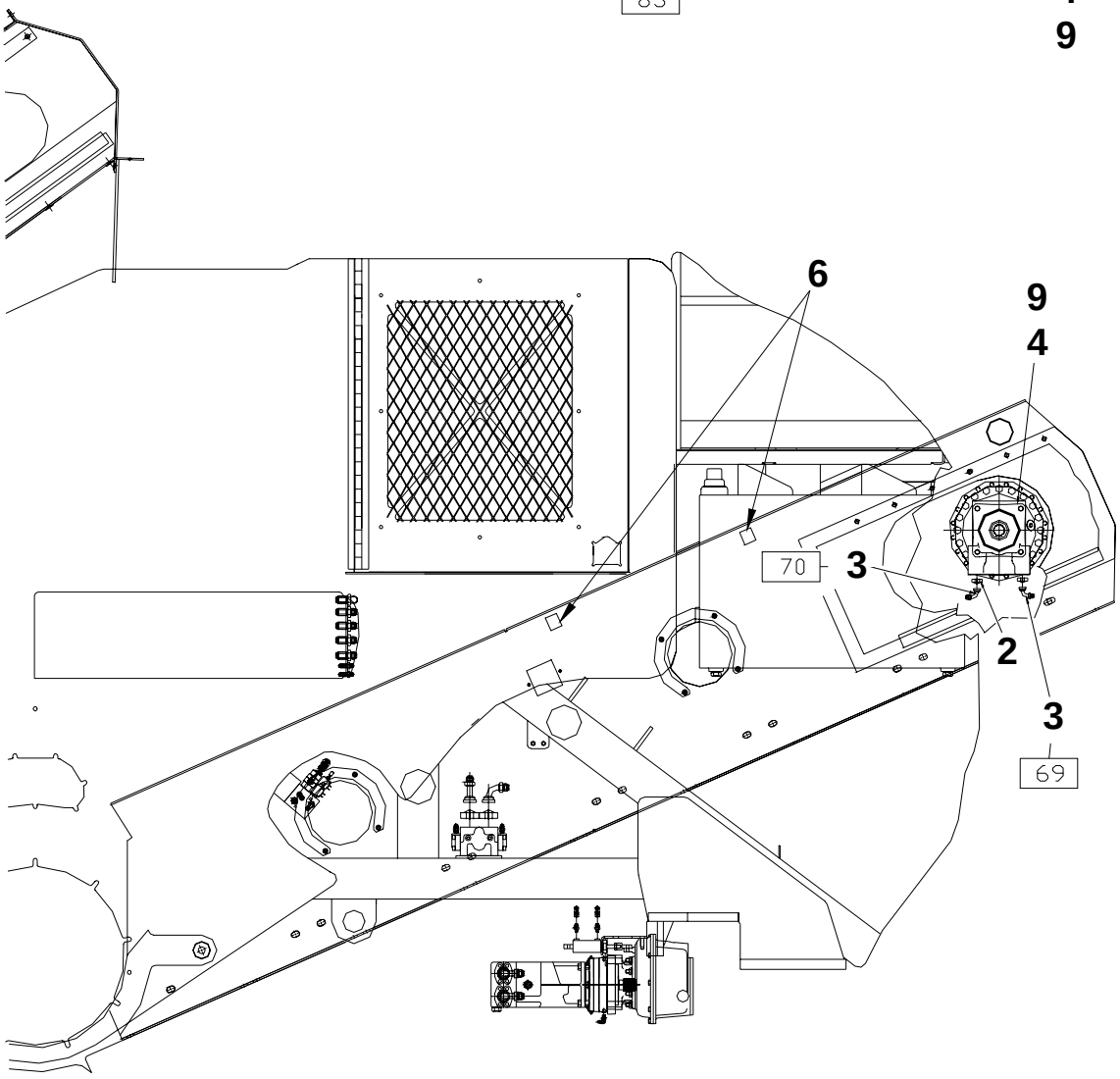

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XX - ITEM
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XX - MANIFOLD PORT

PUSH ROLLER MANIFOLD
(202820-02)

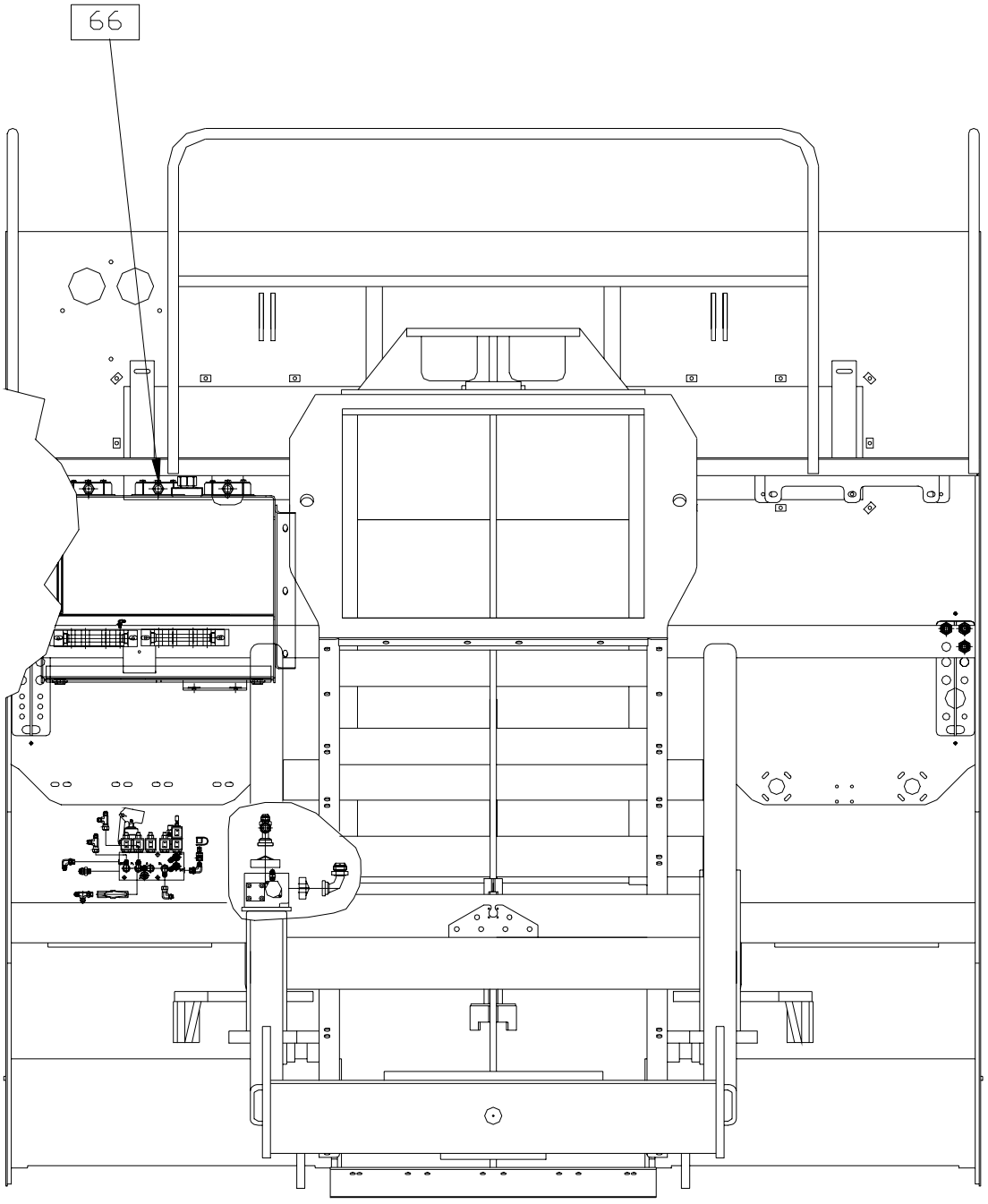
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	137458-04	V10 MANUAL DIR. CONTROL VALVE	1
2	200791-03	FLOW DIVIDER 50/50 SPLIT, 12 GPM VALVE	1
3	26N99	FLOW CONTROL 3 GPM 3000 PSI VALVE	1
4	84636-04	6 JIC SWIVEL RUN TEE	1
5	85218-04	ELBOW 8 JIC MALE X 8 FEM. 45 SWIVEL	1
6	92987	ELBOW 10 SAE X 6 JIC 90	1
7	84426-04	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
15			

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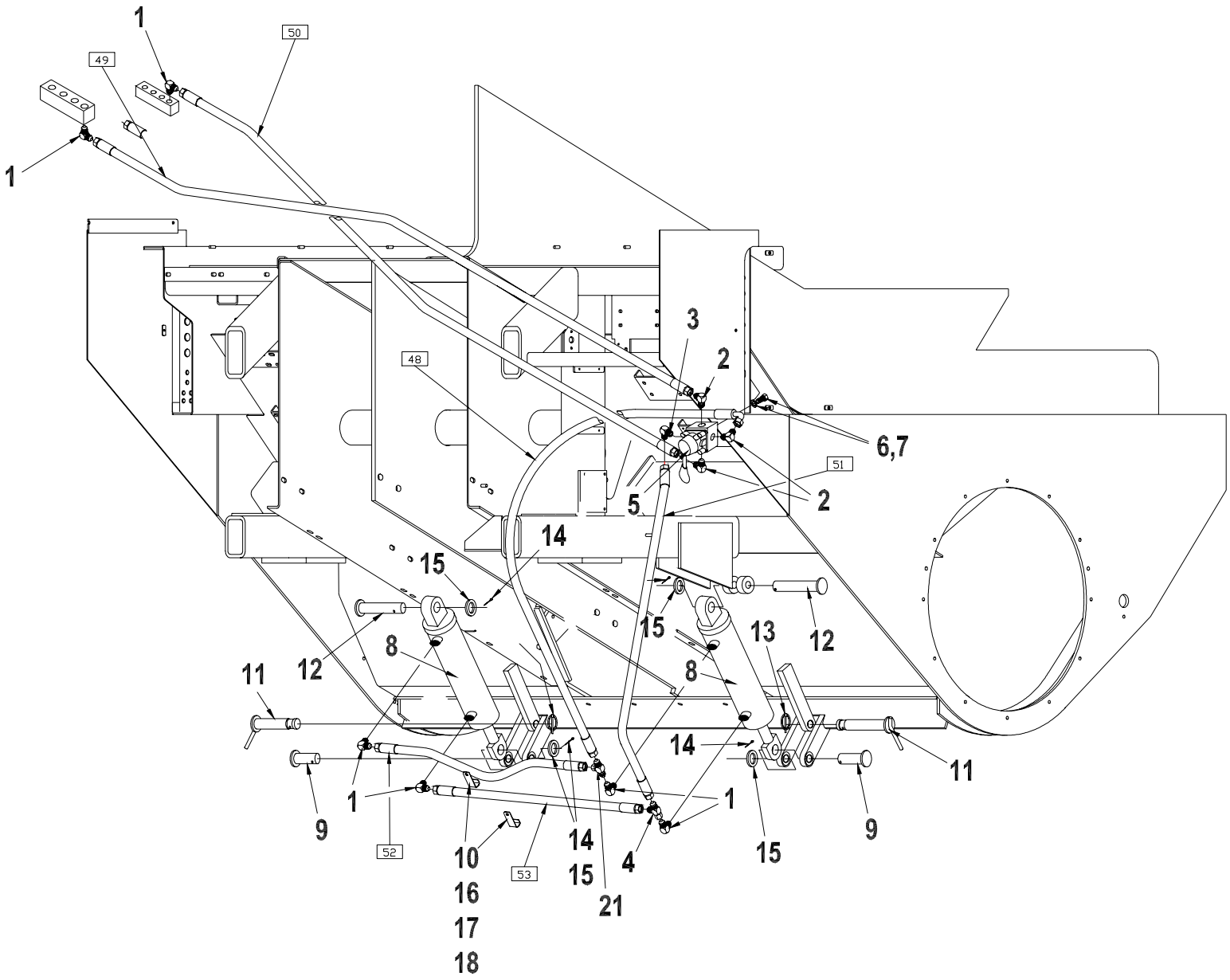
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C-2 DRIVE HYDRAULICS
(149543-01)

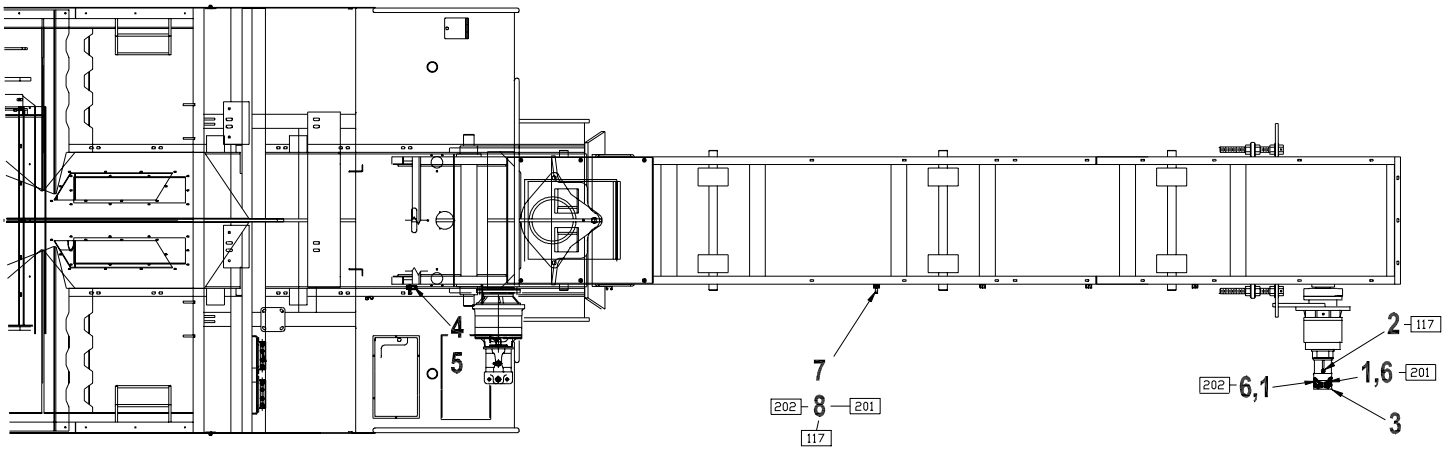
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	85490-04	CONNECTOR - 12 JIC X 3/4" NPT 90 DEG.	1
2	96765	20 FLANGE KIT - CODE 62	2
3	99945	20 FLANGE 45 DEG. X 20 JIC- CODE 62	2
4	149224-04	MOTOR - 130CC ORIFICE LOOP FLUSH	1
5	85875-04	ELBOW 90 DEG. - 16 SAE MALE X 12 JIC MALE	1
6	99965	CLAMP - 2" RUBBERIZED TUBE	5
7	83055	HEX NUT - 3/8-16 UNC GR8	1
8	85148	LOCK WASHER - 3/8 ID NOM . SPRING STEEL	1
9	28Y06C4	GASKET - AUSCO BRAKE	1

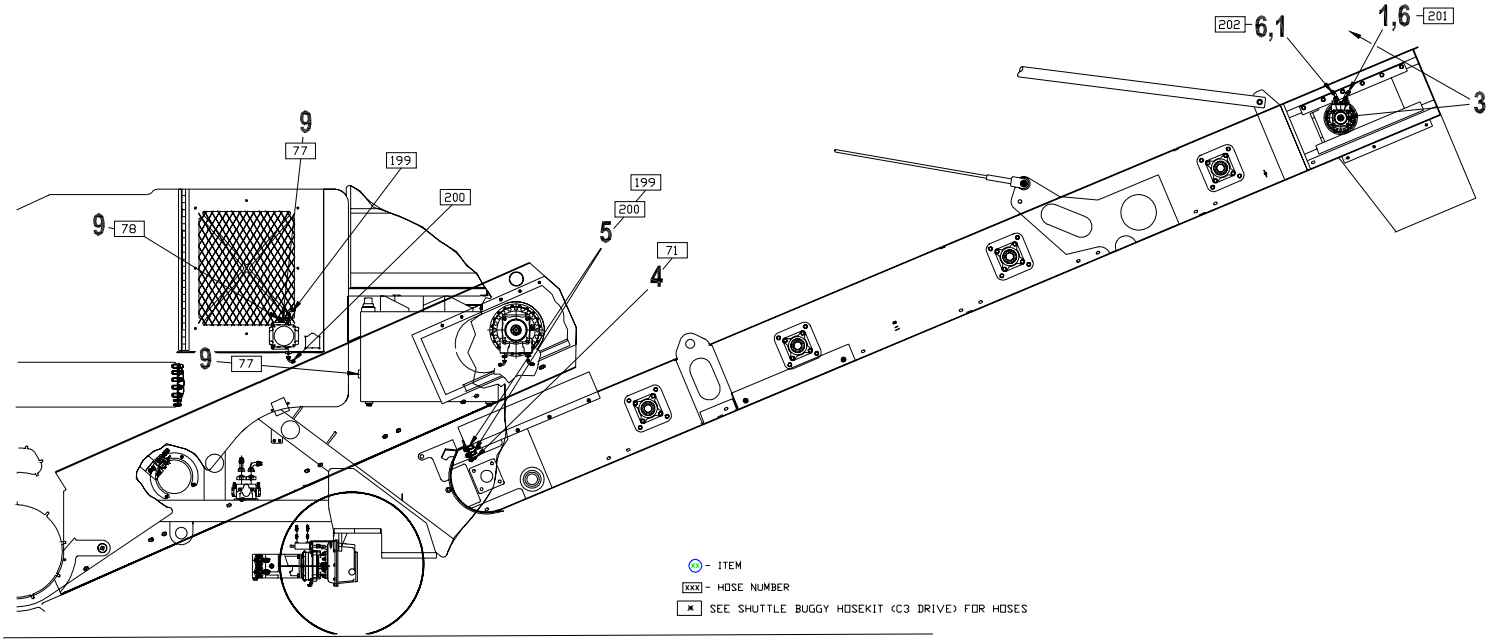
C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

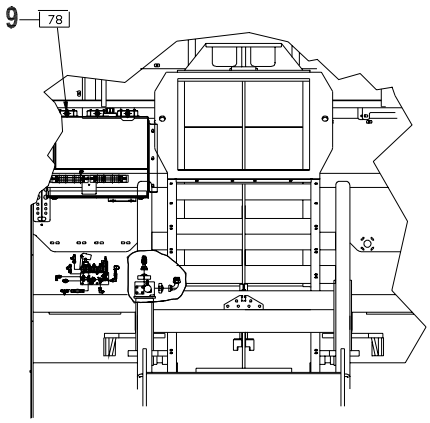


C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

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	FIT - 6 JIC - 6 SAE 90 DEG.	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	LOCK WASHER 5/16" NOM. I.D.	4
8	144898-01	CYLINDER - 2.50 BORE X 11.00 STROKE	2
9	149431-03	PIN - C-3 CLEAN-OUT DOOR	2
10	16P29	HOSE CLAMP - 1/2" BOLT SIZE	2
11	121690-03	PIN - SAFETY BAR	2
12	200763-04	PIN - C-2 CLEAN-OUT DOOR CYL.	2
13	144993-04	LINCH PIN 3/16"	2
14	27D66	COTTER PIN 3/16" X 2"	2
15	83376-04	FLAT WASHER 1" STEEL	4
16	83288	NUT, HEX 1/2"	2
17	83317	LOCK WASHER 1/2"	2
18	83781-04	FLAT WASHER 1/2"	2
19	84332	HEX BOLT, 3/8 - 16 X 1 GR8	2
20	83056	LOCK WASHER 3/8 SPRING STEEL	2
21	89598	FIT - SWIVEL BRANCH TEE 6 JIC	1

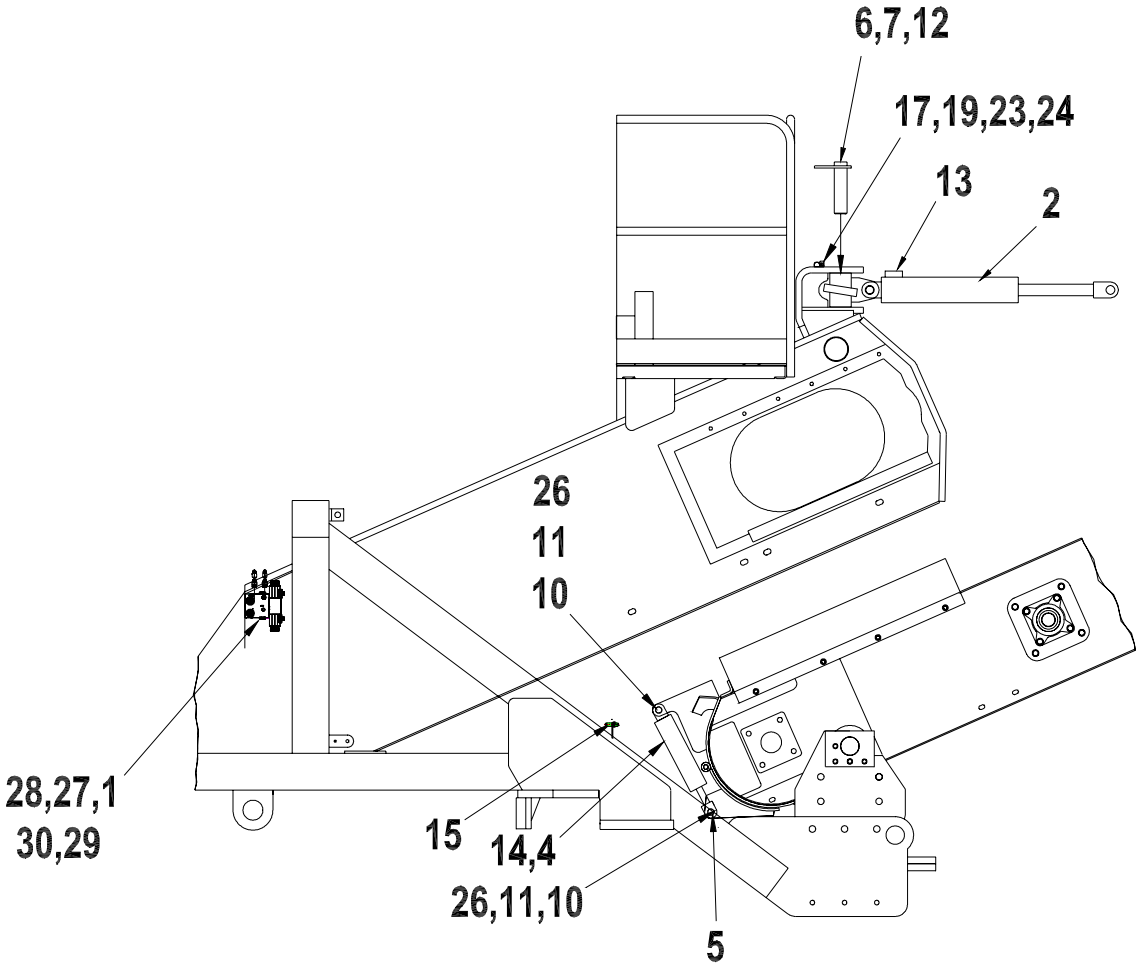

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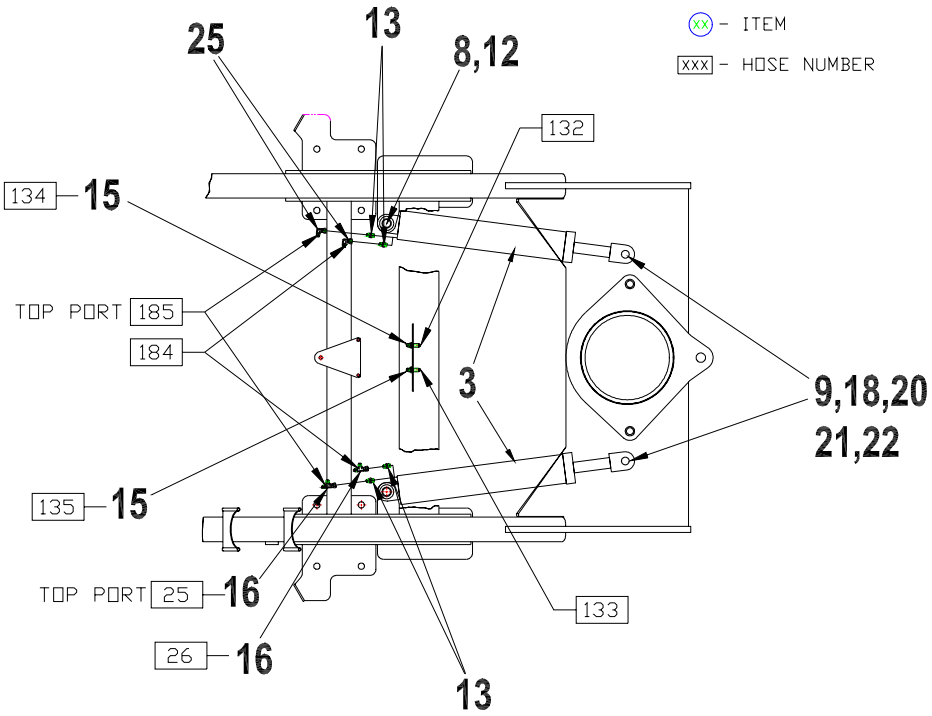

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XX - ITEM
XXX - HOSE NUMBER
* SEE SHUTTLE BUGGY HOSEKIT (C3 DRIVE) FOR HOSES


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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
10	97489	KIT - O-RING 70D	1

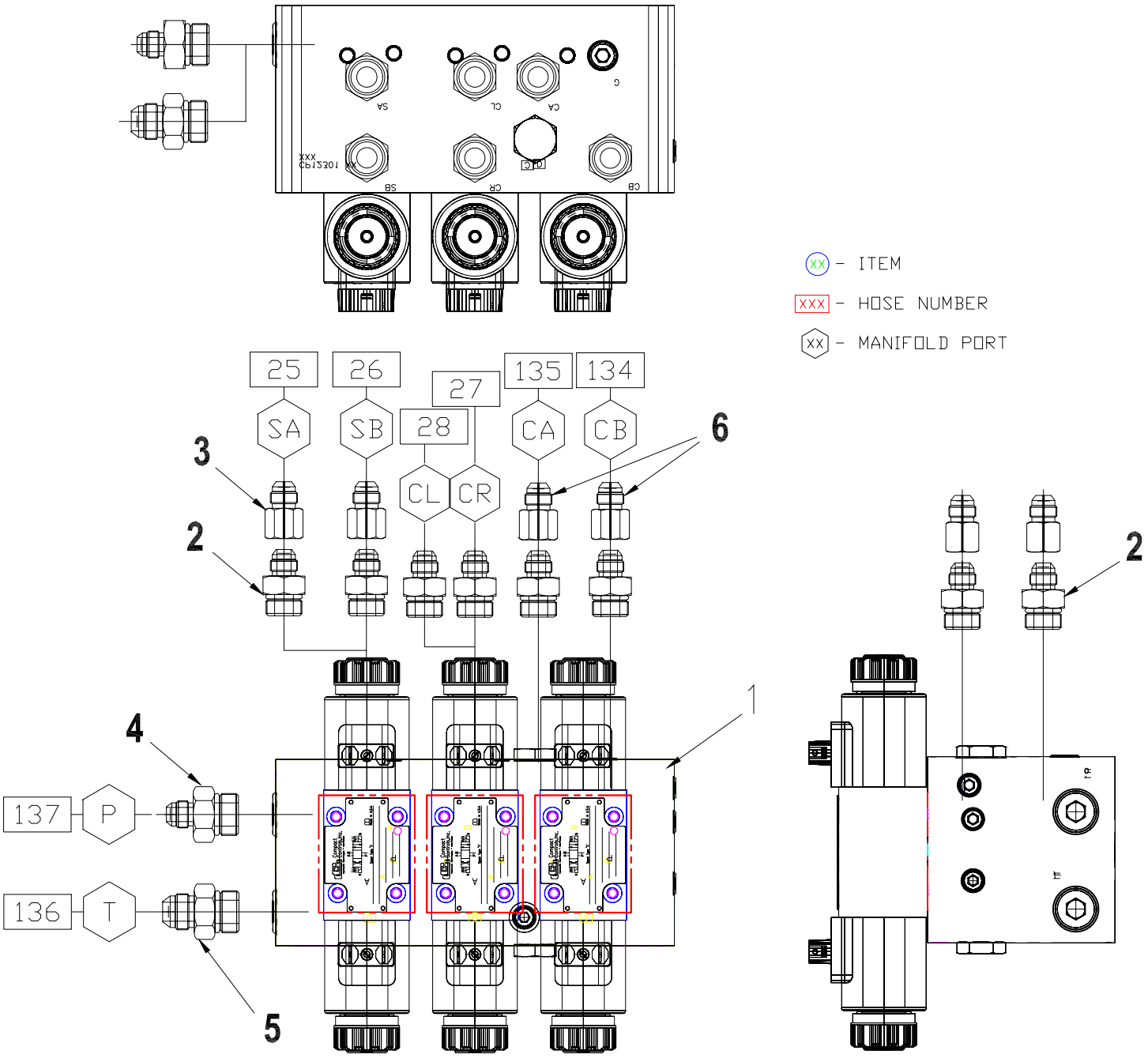

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XX - ITEM
XXX - HOSE NUMBER
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8,12
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134
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TOP PORT 185
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TOP PORT 25
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C-3 CONTROL HYDRAULICS
(200806-01)

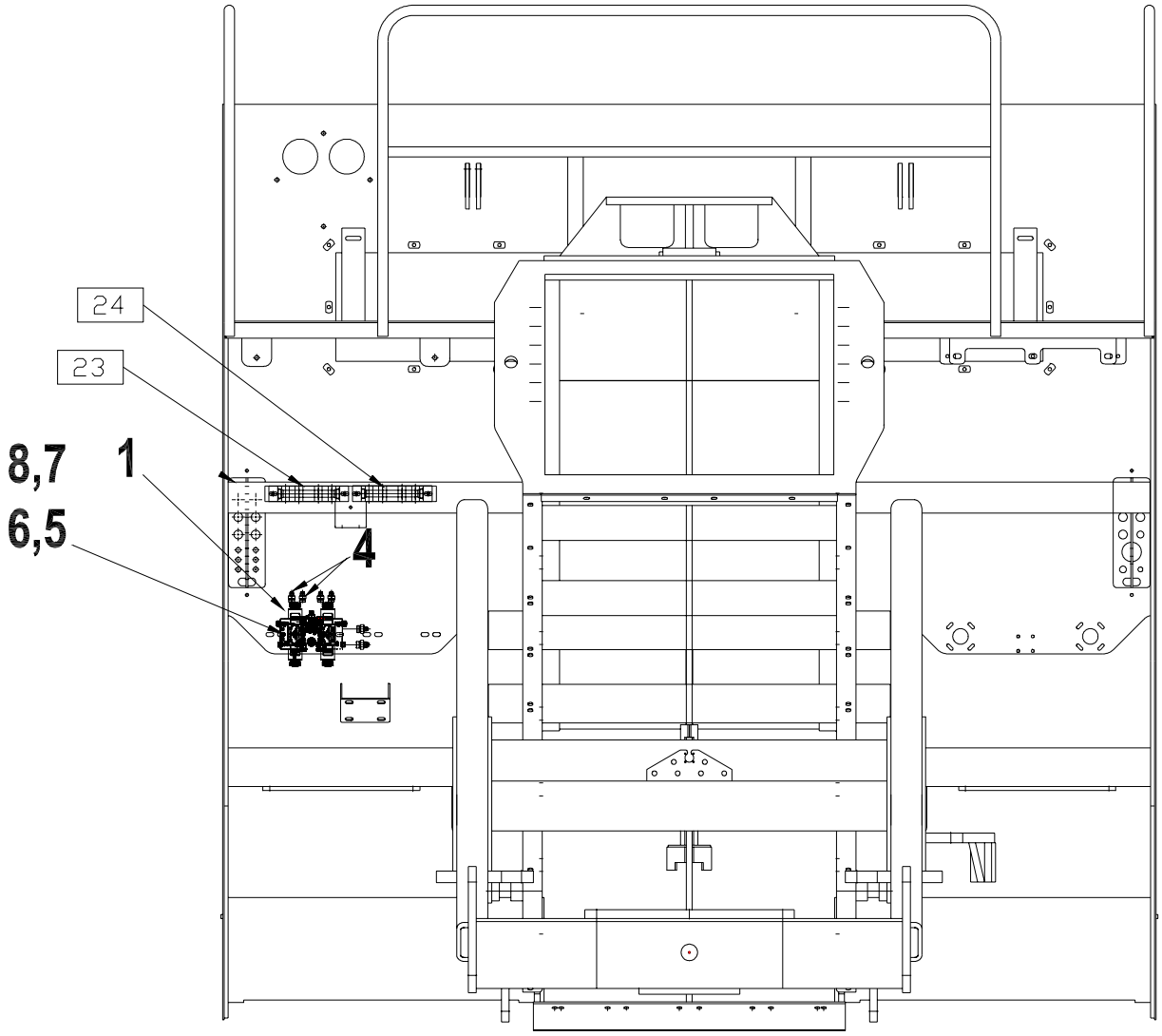
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202240-02	C3 CONTROL MANIFOLD VALVE	1
2	144900-01	CYL.- 5.00 BORE X 26.00 STROKE	1
3	144901-01	CYL.- 4.00 BORE X 21.00 STROKE	2
4	144899-01	CYL.- 2.00 BORE X 4.50 STROKE	1
5	83439-04	1 1/4" FEMALE ROD END, RH THREAD	1
6	149121-04	C-3 LIFT CYL. MODIFIED BOLT	2
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

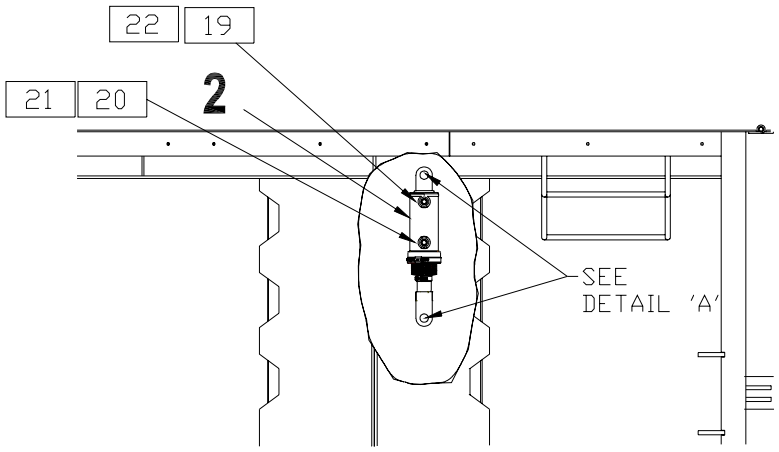
C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)



C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)

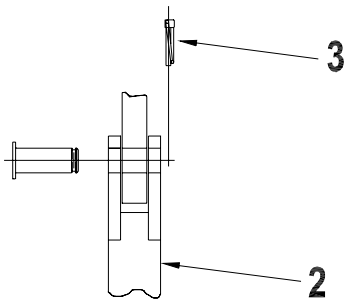
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146253-03	VALVE - C3 CONTROL MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	6
3	136649-04	RESTRICTOR - 3/32" ORIFICE	2
4	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
5	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1
6	135942-04	RESTRICTOR - 1/64" ORIFICE	2





(X) - ITEM

XXX - HOSE NUMBER



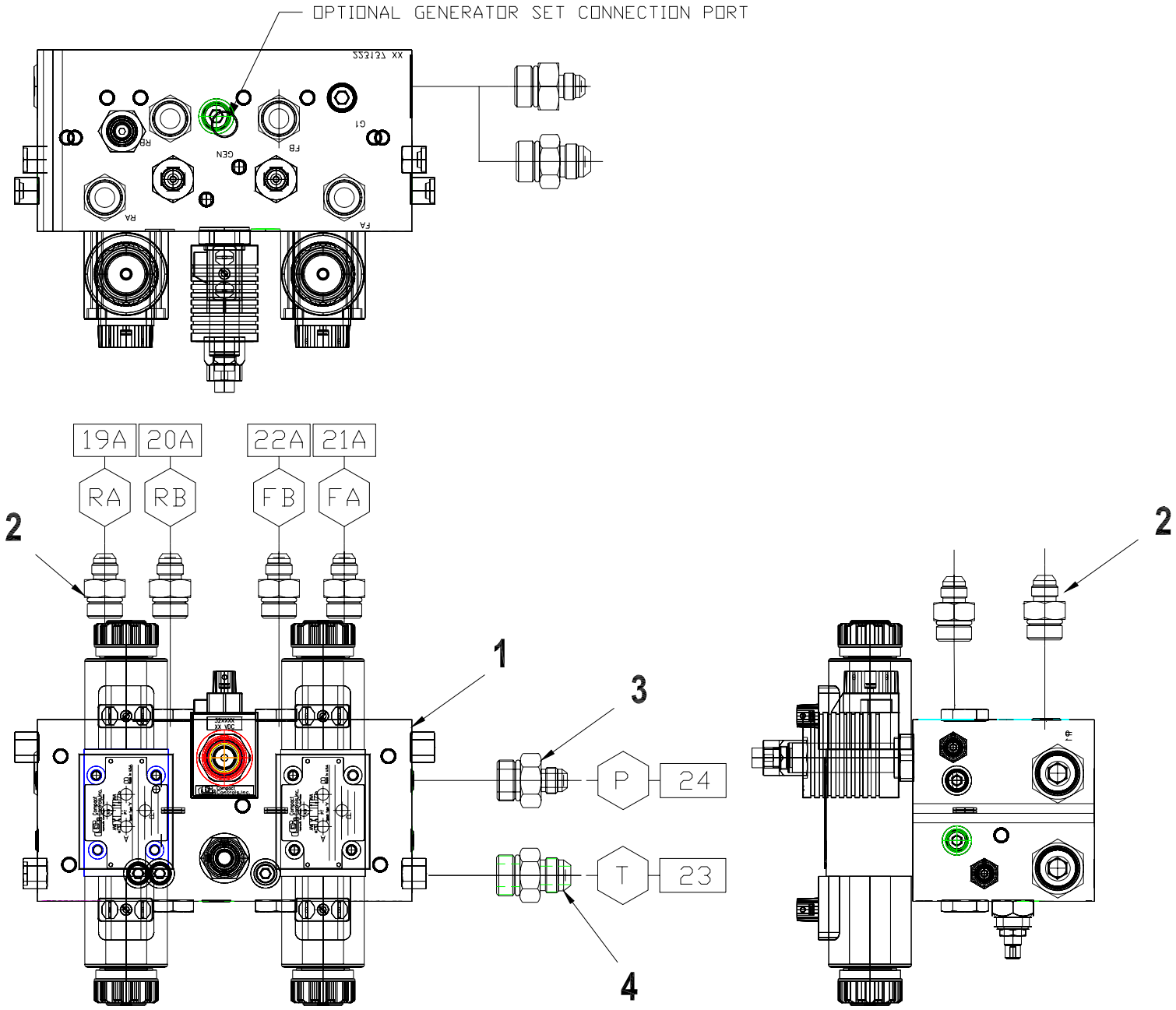
DETAIL 'A'
(4× SCALE)

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

FLOWGATE CONTROL MANIFOLD ASSEMBLY

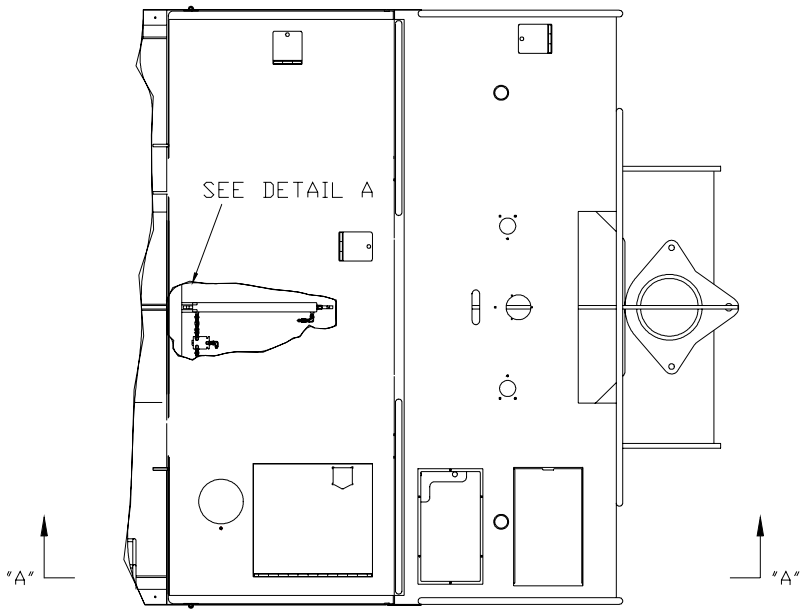
(202277-02)

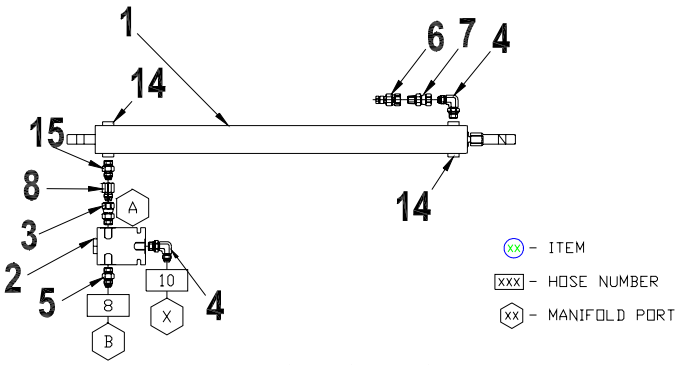


FLOWGATE CONTROL MANIFOLD ASSEMBLY
(202277-02)

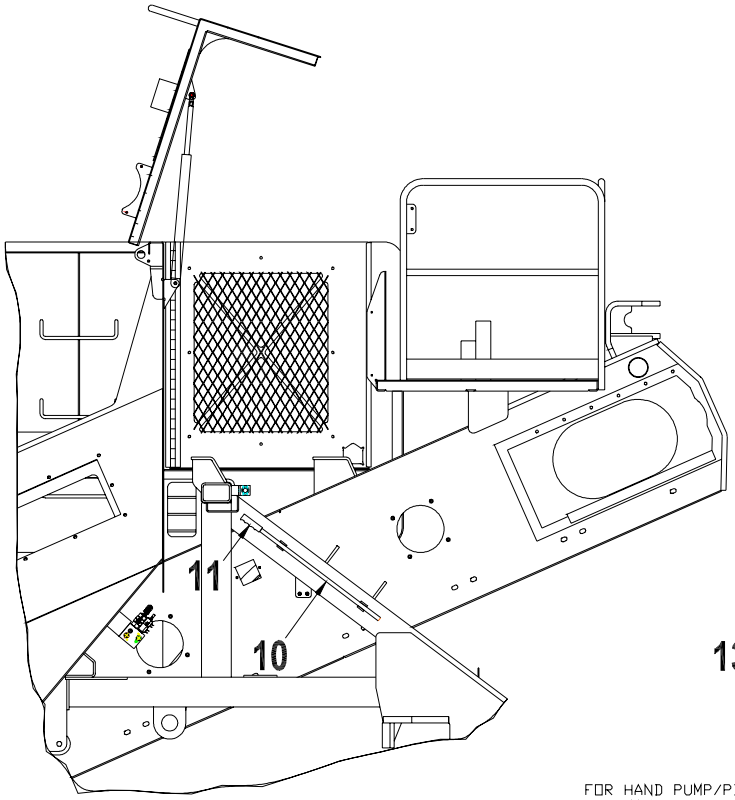
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146252-03	VALVE - FLOWGATE CNTL. MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	4
3	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
4	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1

HOOD RAISE HYDRAULICS
(204266-01)

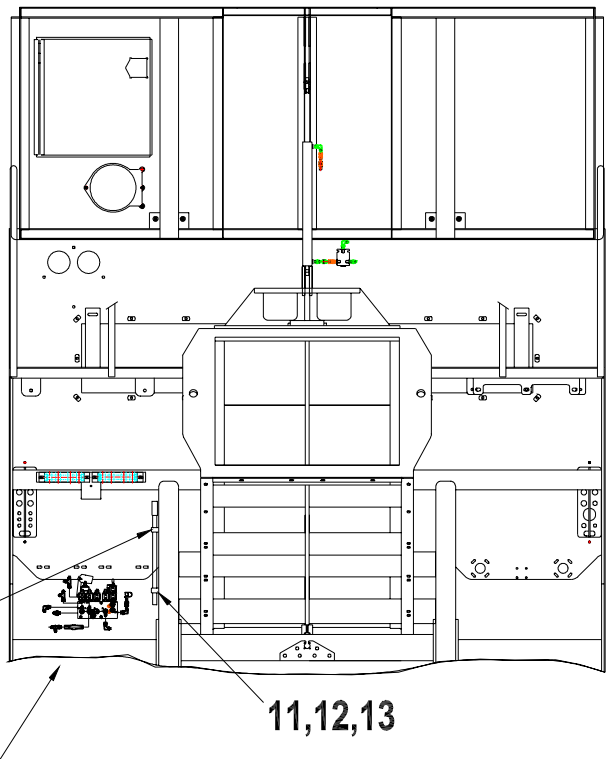




DETAIL 'A' (SCALE 3X)



SECTION 'A'

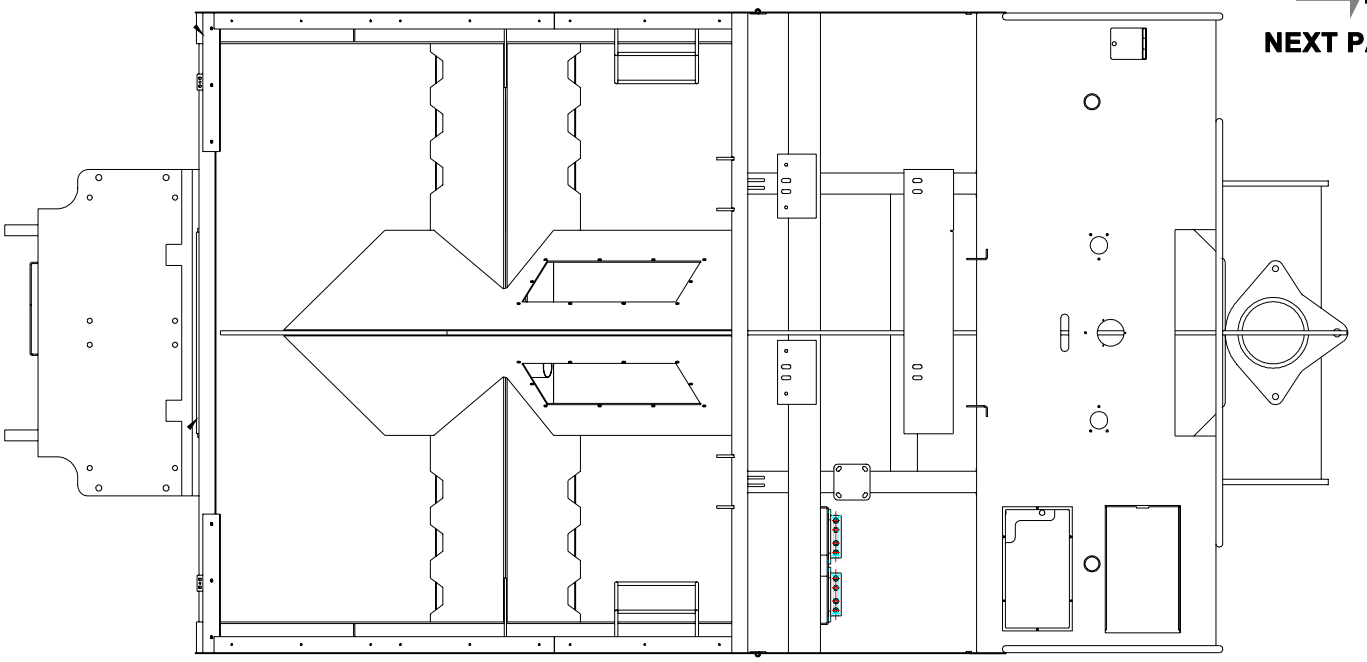


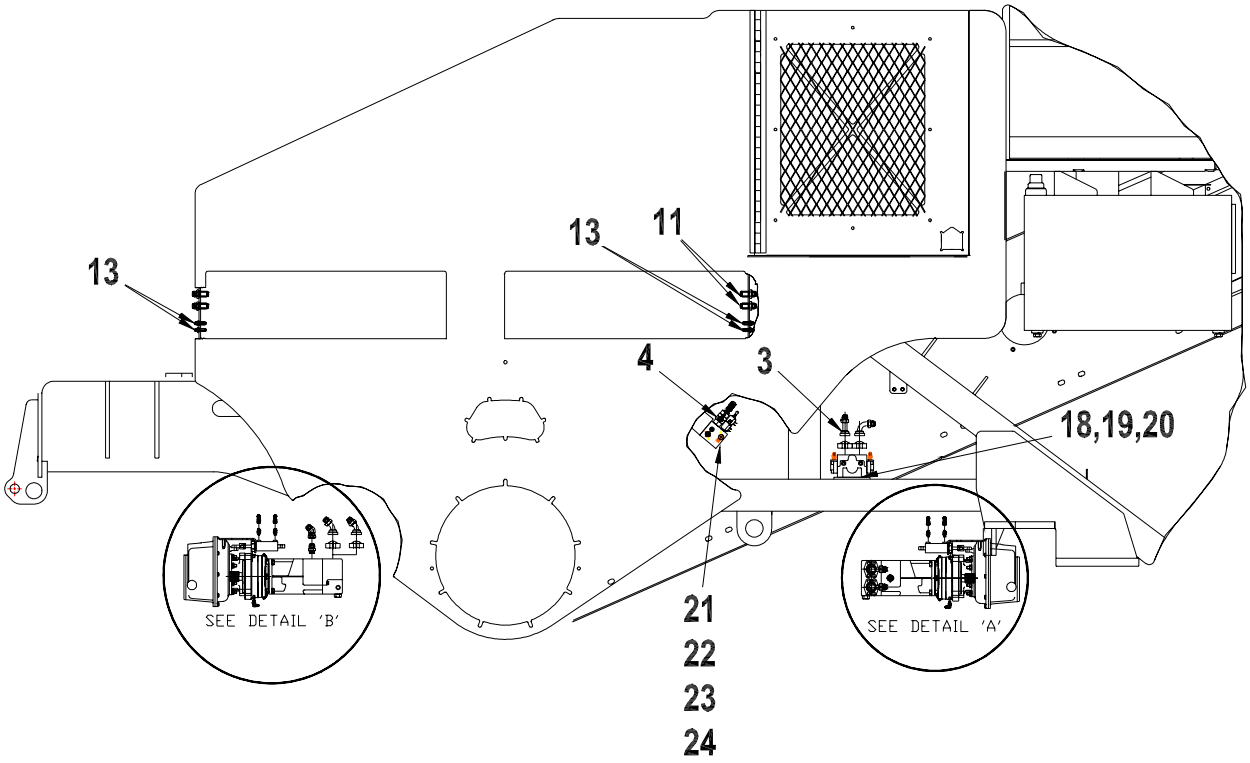
FOR HAND PUMP/PILOT VALVE MANIFOLD ASSEMBLY SEE PROPEL HYDRAULIC ASSY.

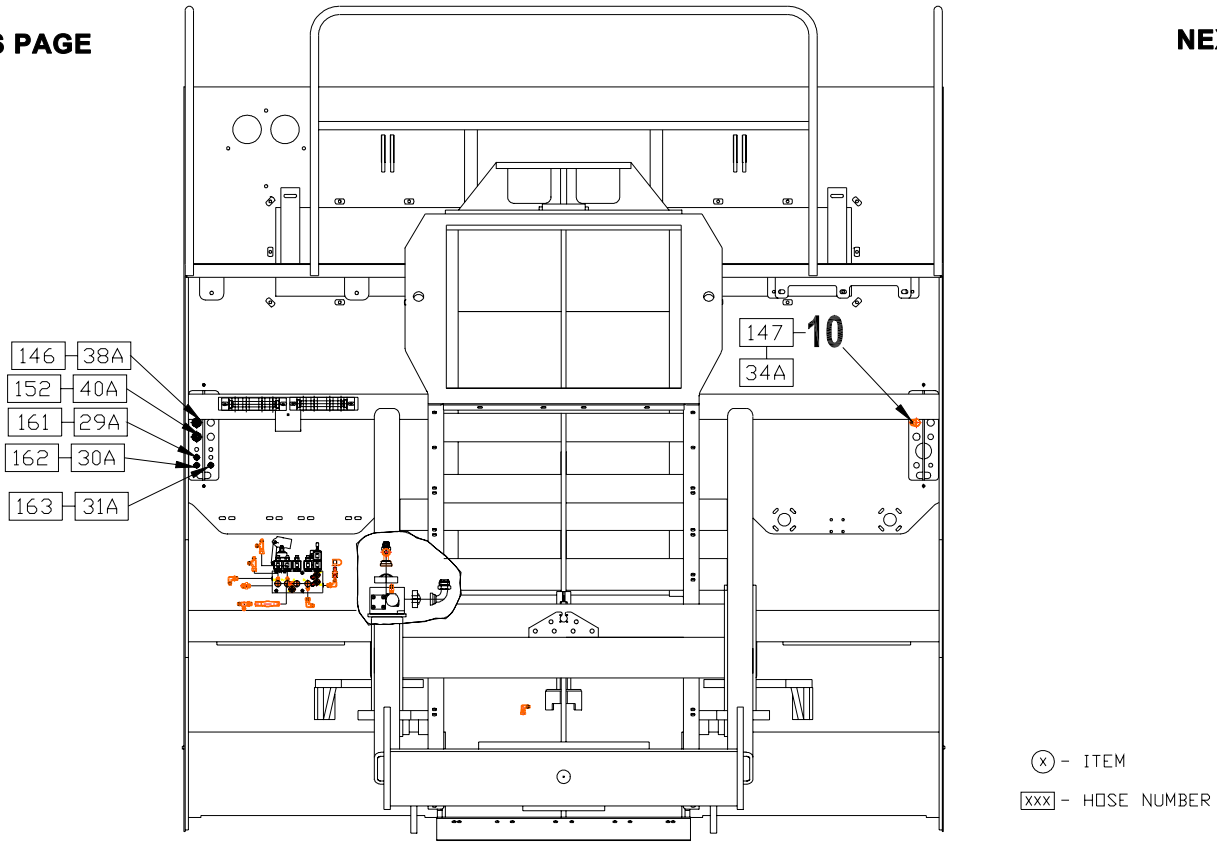
HOOD RAISE HYDRAULICS
(204266-01)

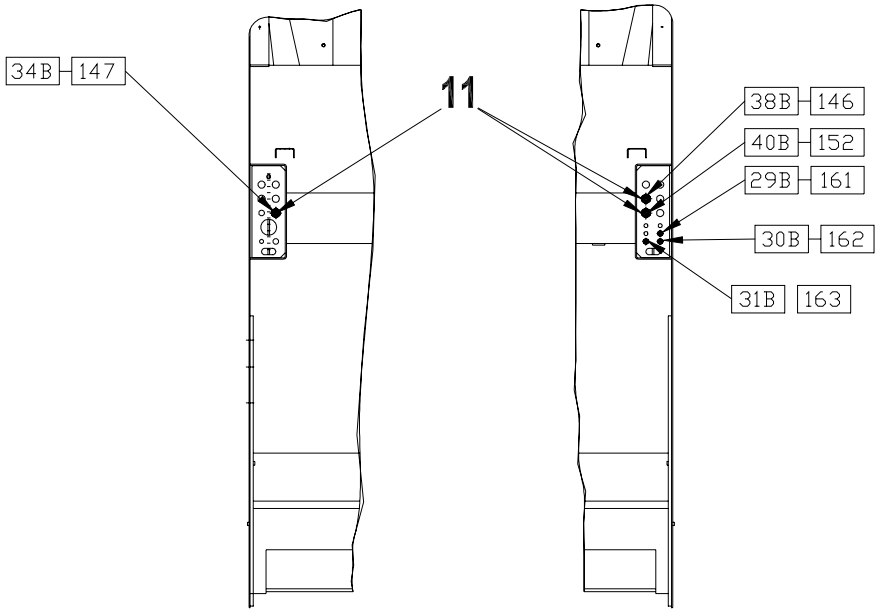
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	201812-01	CYLINDER - 2" BORE X 16" STROKE	1
2	200591	HOLDING VALVE - P.O. CHECK	1
3	135923-04	FIT - 6 JIC X 6 SAE SWIVEL ST CONNECTOR	1
4	83734-04	FIT - 6 JIC X 6 SAE MALE 90 DEG. CONNECTOR	2
5	83735-04	FIT - 6 JIC X 6 SAE ST	1
6	89577-04	FIT - VENT CAP 1/4 NPT	2
7	86622-04	FIT - 1/4 NPT M - 6 JIC FEM SWIVEL	1
8	135409-04	FIT - RESTRICTOR 6 JIC X 1/32 ORIFICE	1
9	201315-03	DETAIL - HAND PUMP HANDLE	1
10	201253-04	GRIP - ROUND VINYL GRIP	1
11	98296-C1	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
15	137703-04	FIT - 6 SAE X 6 JIC 45 DEG. ELBOW	1

NEXT PAGE

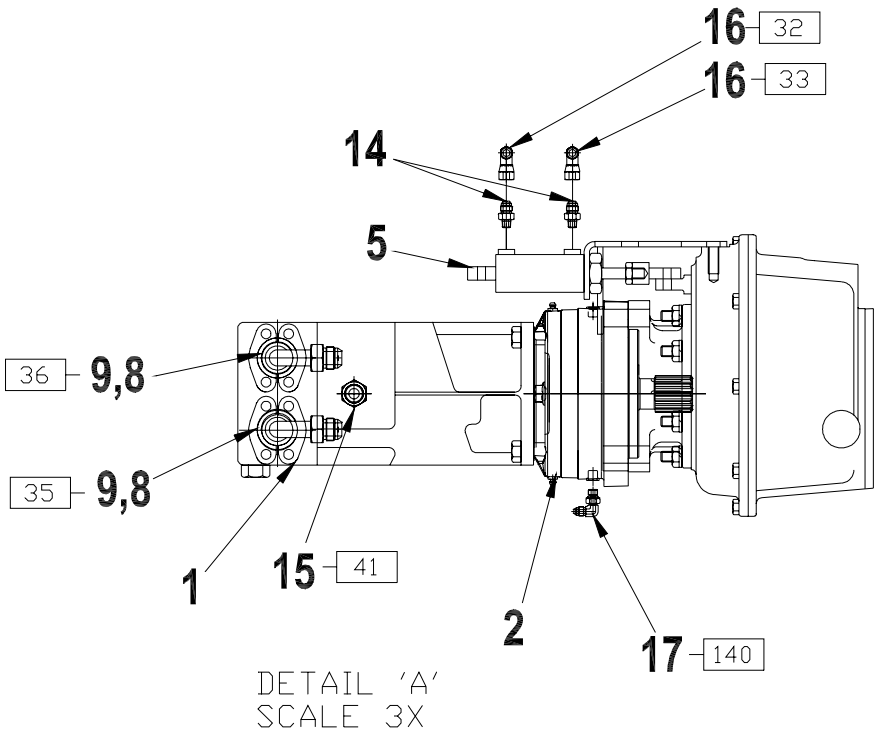



(XX) - ITEM
[XXX] - HOSE NUMBER
13
13
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18,19,20
SEE DETAIL 'B'
SEE DETAIL 'A'
21
22
23
24

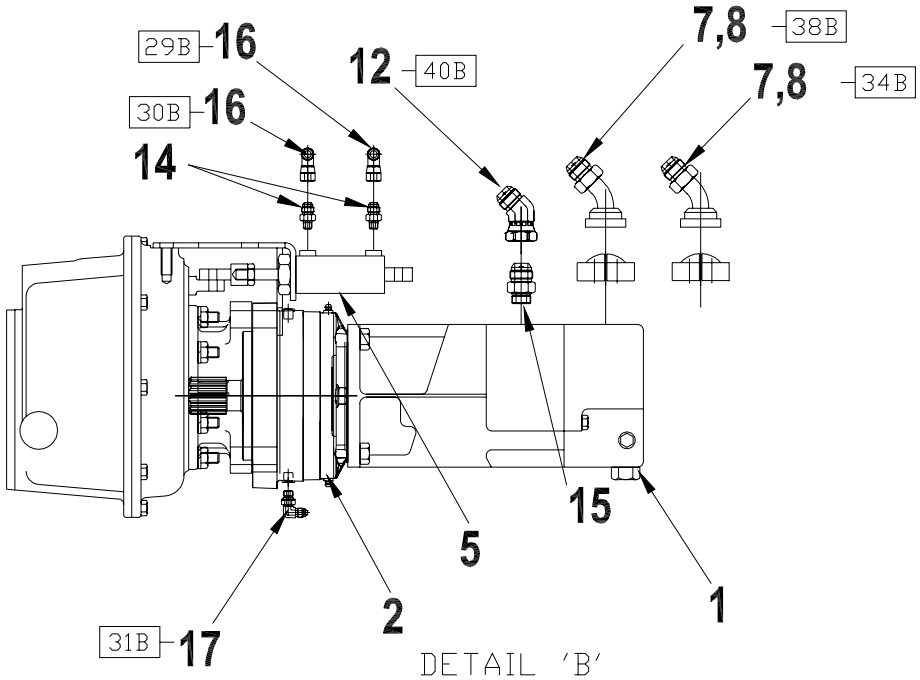

146 38A
152 40A
161 29A
162 30A
163 31A
147 34A
10
(x) - ITEM
xxx - HOSE NUMBER


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

PREVIOUS PAGE



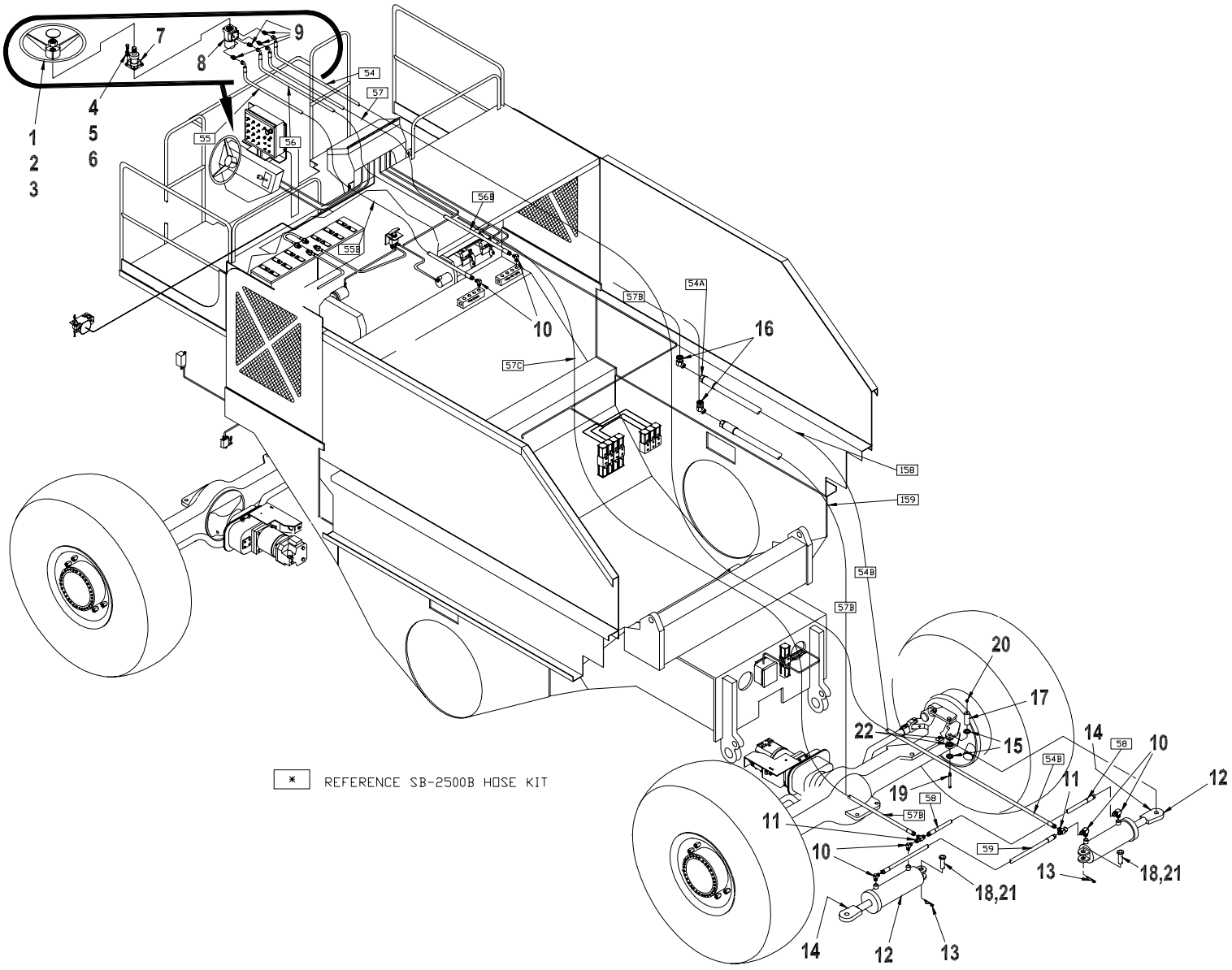
DETAIL 'A'
SCALE 3X



DETAIL 'B'
SCALE 3X

PROPEL DRIVE HYDRAULICS
(200772-01)

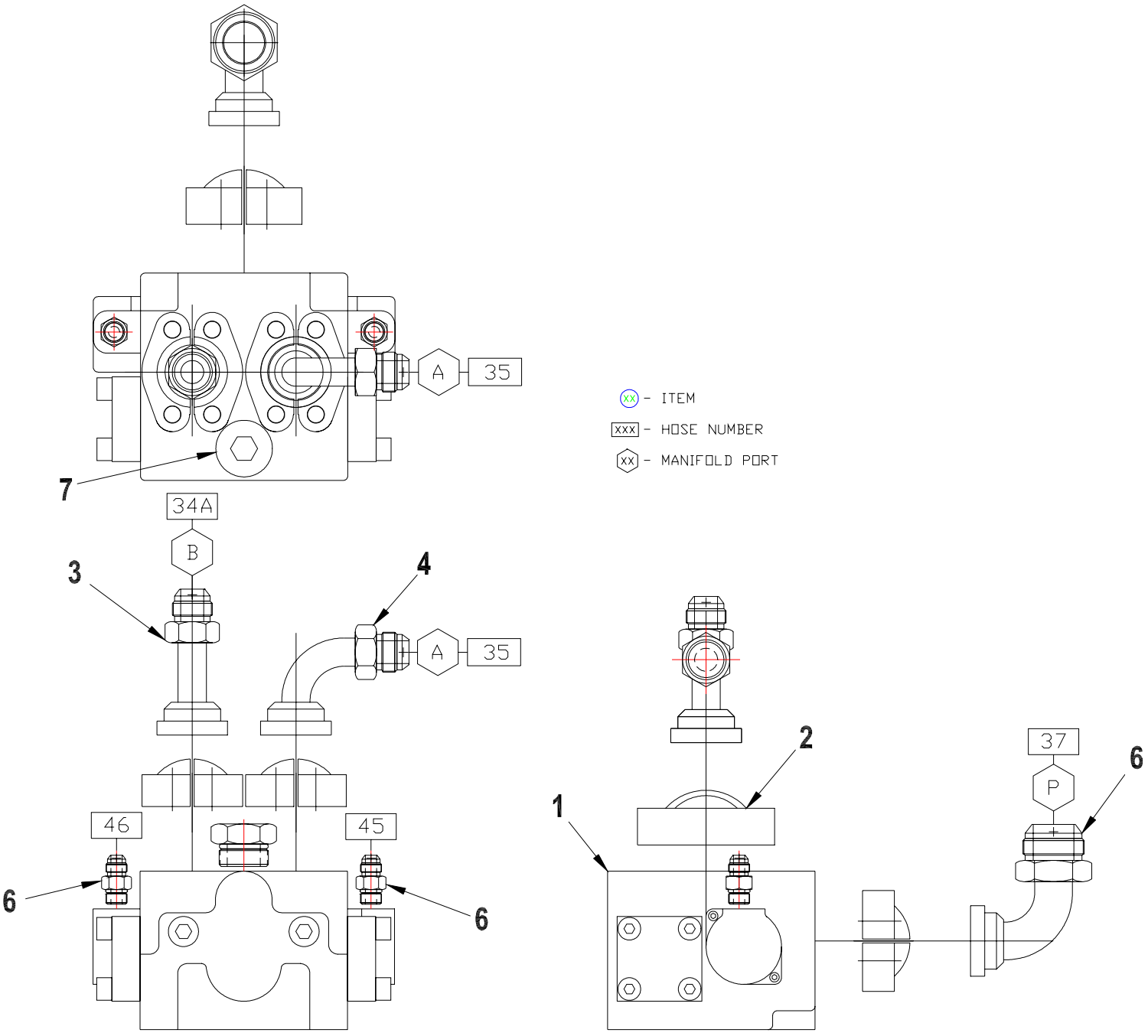
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	91681-04	MOTOR DRIVE	2
2	142483-01	BRAKE-MULTI-DISC-WET	2
3	202267-02	DIFF. LOCK VALVE	1
4	202291-03	HAND PUMP/PILOT MANIFOLD	1
5	130419	CYLINDER - 1.5 BORE X 1 STR. .5 ROD	2
6			
7	96751	#16 FLANGE 45 12 JIC - CODE 62	2
8	90729	#16 FLANGE KIT - CODE 62	4
9	83868-04	#16 FLANGE 90 12 JIC - CODE 62	1
10	140633-04	ELBOW - 12 JIC BULKHEAD 45	REF
11	83476-04	FITTING - 12 JIC BULKHEAD UNION	REF
12	90952-04	FITTING - 12 JIC SWIV 45	1
13	83475-04	FITTING - 6 JIC BULKHEAD UNION	REF
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	ALLTHREAD - 1/2-13 X 4 1/4" LG.	8
26	O5707	1/4" CONICAL WASHER	8
27	139741-04	1/2-13" CENTER LOCKNUT GR8	8


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159
* 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)

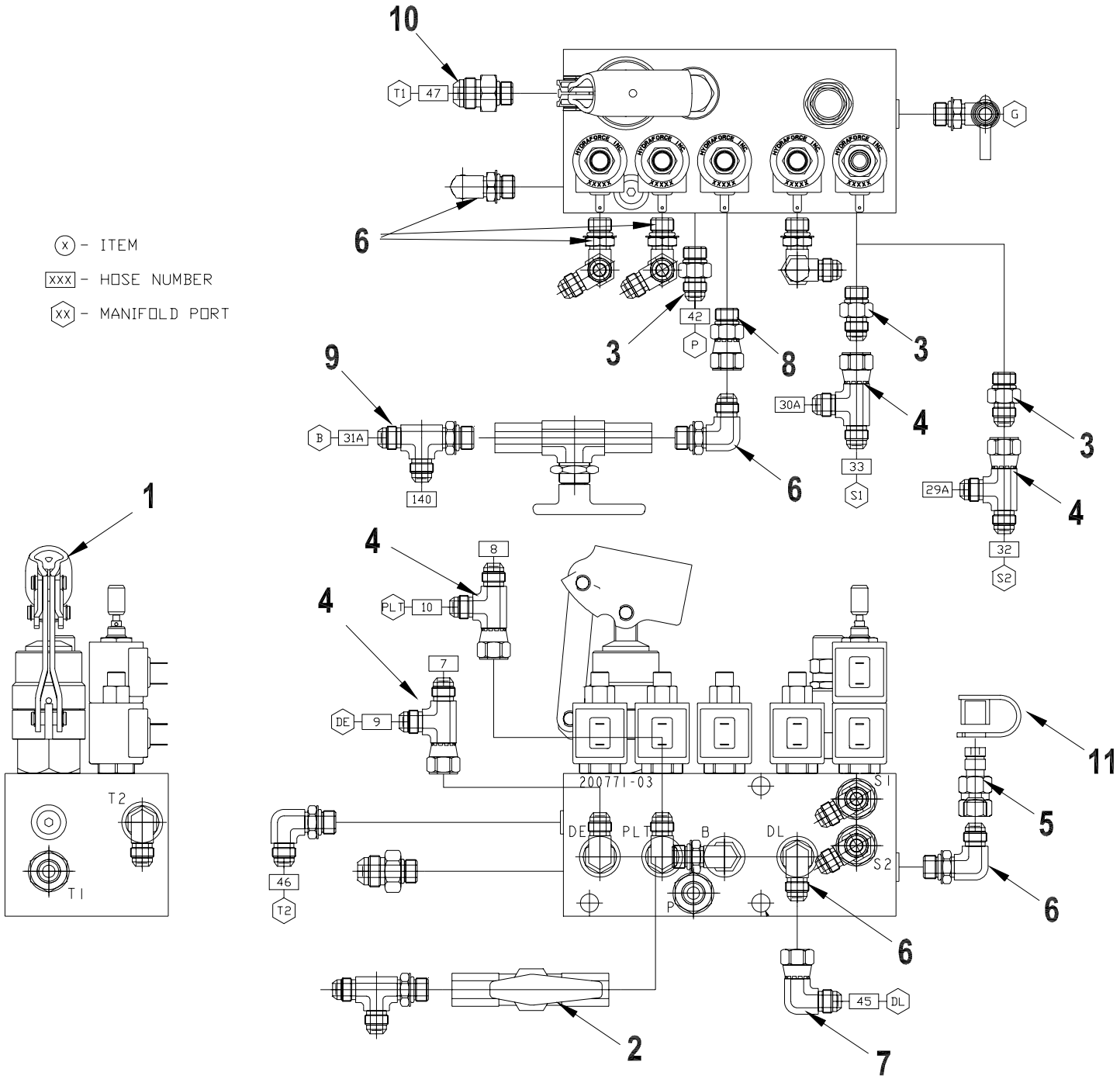


DIFF. LOCK VALVE ASSEMBLY
(202267-02)

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)

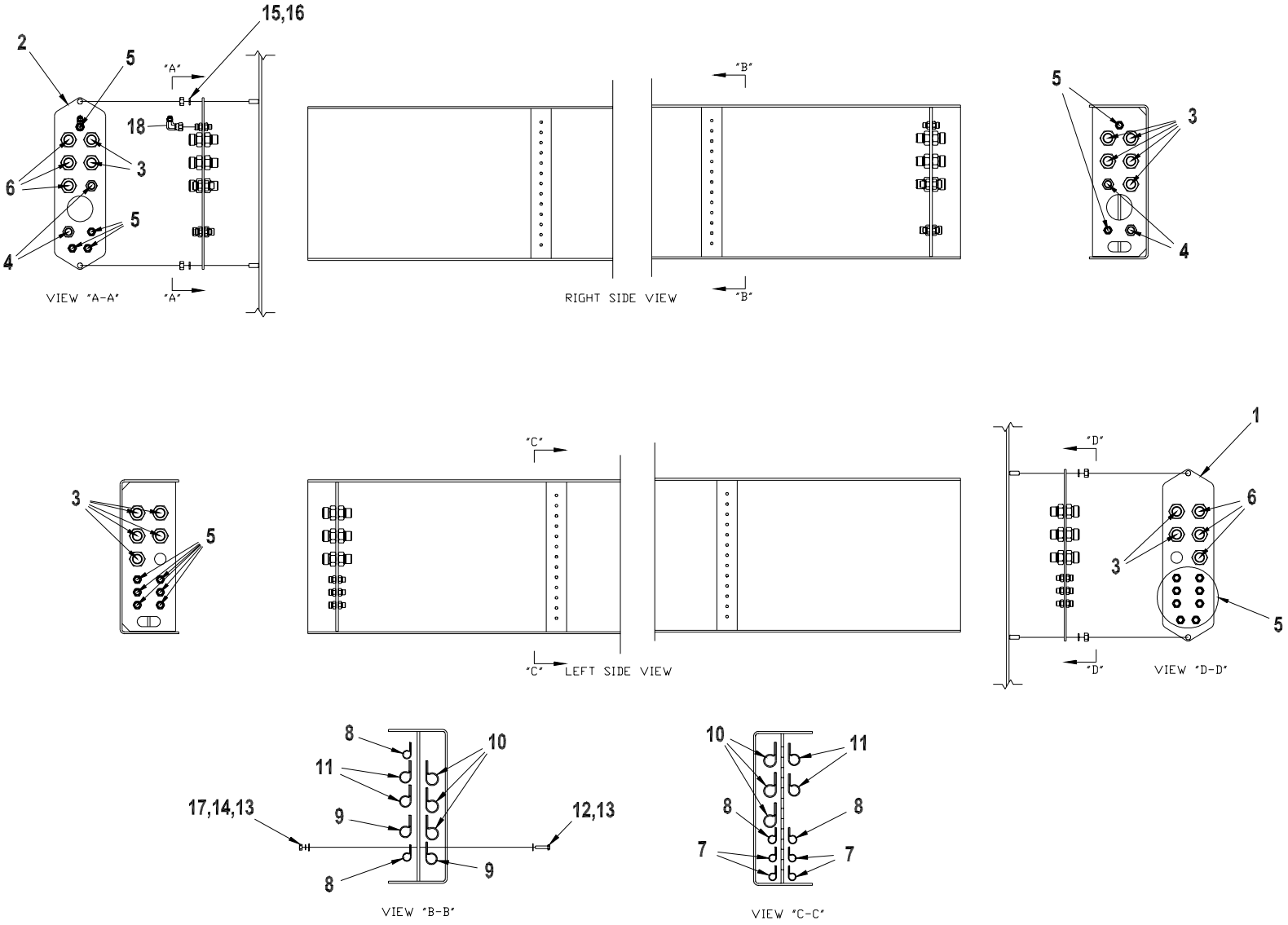


HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)

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

HYDRAULIC CHANNEL ASSEMBLY.

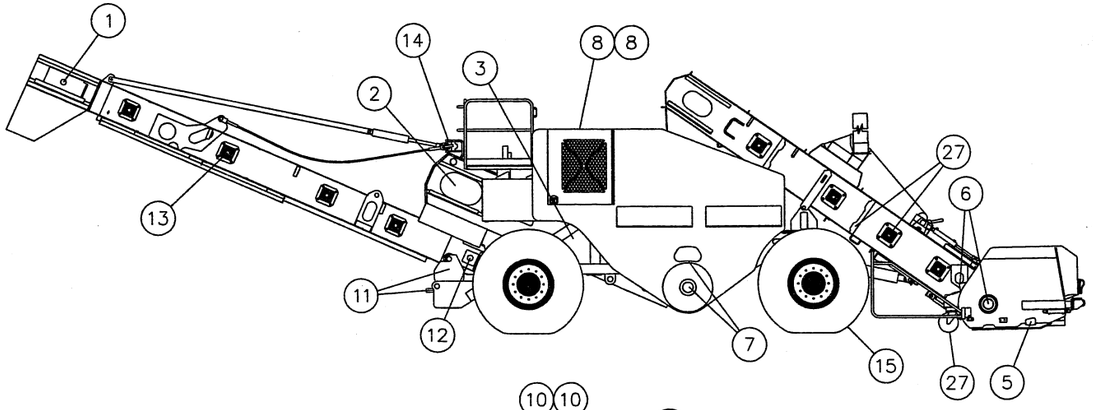
(205434-01)

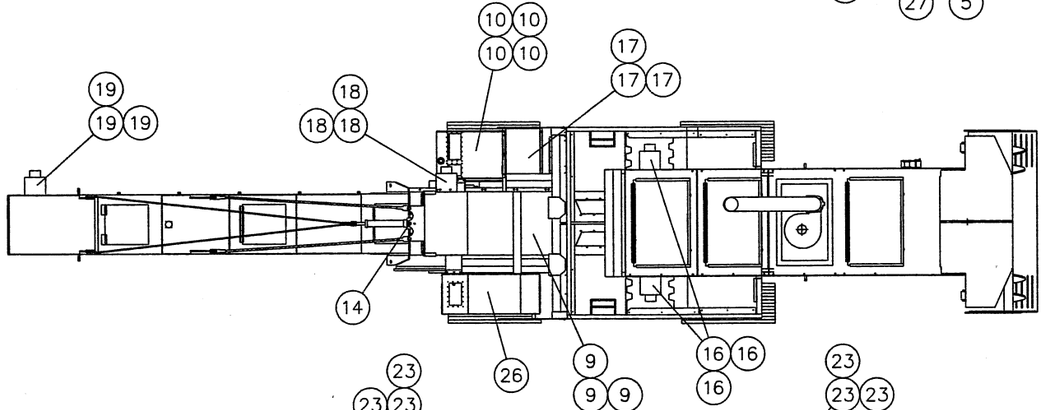


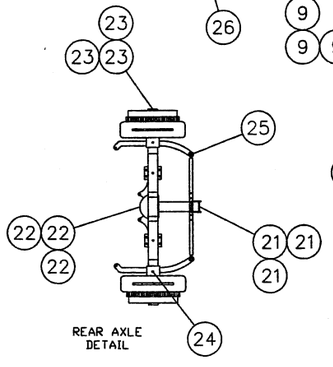
HYDRAULIC CHANNEL ASSEMBLY
(205434-01)

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			
8			
9	20K37	CLAMPS BG - 15/16" X 1/2"	9
10	20K38	CLAMPS BG - 1 1/4" X 1/2"	10
11			
12	90763	BOLT, HEX 1/4 - 20 X 1 1/4" GD. 8	22
13	84444	FLAT WASHER 1/4" STEEL	44
14	83065	LOCK WASHER 1/4" SPRING STEEL	22
15	83056	LOCK WASHER 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
18	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	1

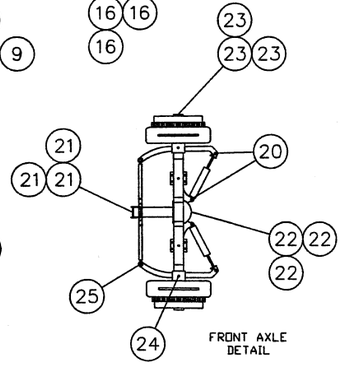
SB-2500C LUBRICATION CHART (ENGLISH)







REAR AXLE DETAIL



FRONT AXLE DETAIL

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

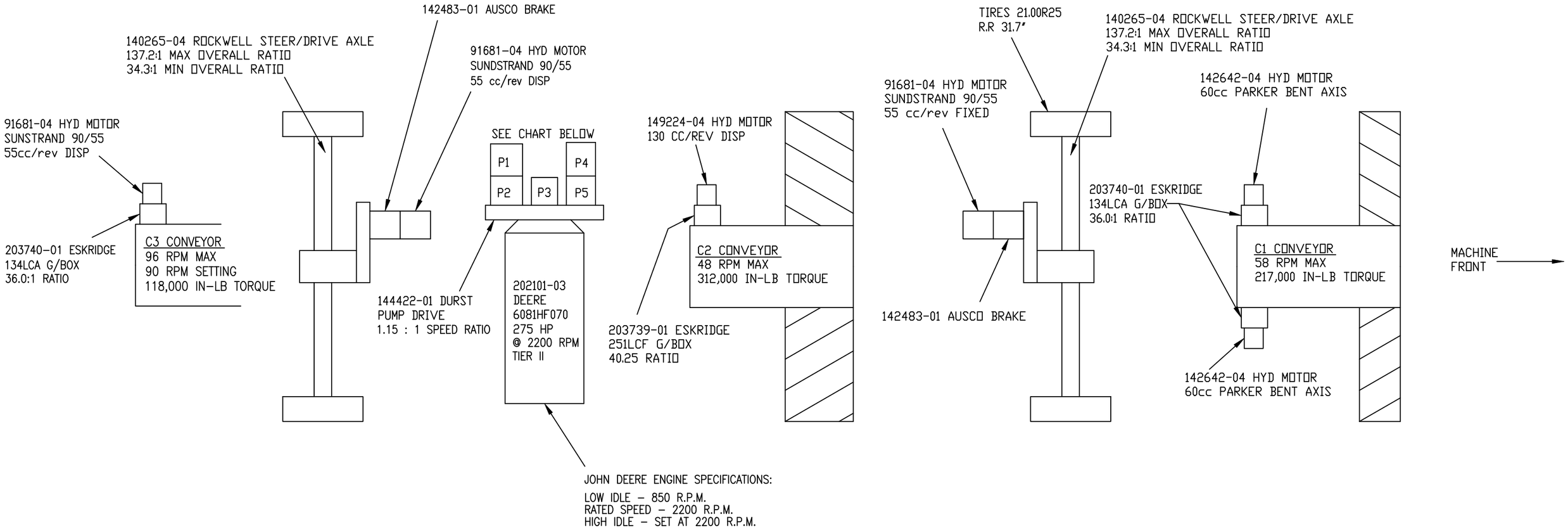
INTERVAL HOURS	REF NO	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
GREEN 250 HOURS	9	ENGINE AIR FILTER	2	N/A	CHECK AND REPLACE IF NECESSARY
	9	ENGINE OIL AND FILTER	1 EA	EO	CHANGE
	9	ENGINE FUEL FILTER	2	N/A	CHANGE
	10	HYDRAULIC FILTERS	7	HO	REPLACE 2 ELEMENTS PER CANNISTER PLUS HIGH PRESSURE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

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

Valvoline

200685-01

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			

REPLACES DWNG# 204417-01 E.C.# 1263

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 SPEED CHART

01 REQ'D PER 2500C | SHEET NO 1 of 1 | FAB CODE | EFFECTIVE S/N 716

DRAWN BY HOUSTON | CHECKED BY | DWG NO 207978-01 | REV. 0

SCALE 1 | DATE 12-30-03

Hose Type Codes

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

PARKER KIT #PKT16556-B

MASTER LIST BY HOSE NUMBER

HOSE #	CIRCUIT	ROADTEC PN	PARKER PN	FUNCTION	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN	O.A.L.
7	BRAKE/2-SP/DIFF/C-2 COD/HOOD	130186S		HOOD RAISE*HLD BLK	0.25	STD	108	4x6 ST	4x6 90	206126-04	135
8	BRAKE/2-SP/DIFF/C-2 COD/HOOD	204543S		HOOD RAISE*SUMP	0.25	STD	108	4x6 ST	4x6 LN 90	206126-04	135
32	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S		R*2SPD*HIGH	0.25	STD	87	4x6 ST	4x6 90	206126-04	90
33	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S		R*2SPD*LOW	0.25	STD	87	4x6 ST	4x6 90	206126-04	90
42	BRAKE/2-SP/DIFF/C-2 COD/HOOD	129765S		DRIVE*REG	0.375	STD	54	6x6 ST	6x6 90	147462-04	58
45	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99720S		D*LOCK	0.375	STD	50	6x6 ST	6x6 ST	147462-04	53
46	BRAKE/2-SP/DIFF/C-2 COD/HOOD	123658S		D*LOCK	0.375	STD	59	6x6 ST	6x6 ST	147462-04	62
47	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120747S		AUXILIARY	0.5	STD	105	8x8 ST	8x8 90	145052-04	108
48	BRAKE/2-SP/DIFF/C-2 COD/HOOD	201245		C2*COD	0.375	STD	50	6x6 ST	6x6 LN 90	NO SLEEVE	53
49	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134801S		C2*COD*RT	0.375	STD	93	6x6 ST	6x6 ST	147462-04	96
50	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93315-04S		C2*COD*PR	0.375	STD	85	6x6 ST	6x6 ST	147462-04	88
51	BRAKE/2-SP/DIFF/C-2 COD/HOOD	127076		C2*COD	0.375	STD	57	6x6 ST	6x6 90	NO SLEEVE	60
52	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97801		C2*COD*JUMP	0.375	STD	48	6x6 ST	6x6 ST	NO SLEEVE	51
53	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97800		C2*COD*JUMP	0.375	STD	60	6x6 ST	6x6 ST	NO SLEEVE	63
140	BRAKE/2-SP/DIFF/C-2 COD/HOOD	146033S		R*PARK*BRAKE	0.25	STD	96	4x4 ST	4x6 90	206126-04	99
161	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495		2*SPD*H	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE	101
162	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495		2*SPD*L	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE	101
163	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495		FR*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE	101
164	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495		FR*PARK*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE	101
29A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S		F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	206126-04	45
29B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034		F*2SPD*HIGH	0.25	STD	104	4x6 ST	4x6 45	NO SLEEVE	107
30A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S		F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	206126-04	45
30B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034		F*2SPD*LOW	0.25	STD	104	4x6 ST	4x6 45	NO SLEEVE	107
31A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120107S		F*PARK*BRAKE	0.25	STD	34	4x6 ST	4x6 ST	206126-04	37
31B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134038		F*PARK*BRAKE	0.25	STD	92	4x4 ST	4x6 45	NO SLEEVE	95
1	BRAKES / FLOWGATES	130820S		BRAKE	0.375	STD	41	6x6 ST	6x6 LN 90	147462-04	44
2	BRAKES / FLOWGATES	146021S		BRAKE	0.375	STD	41	6x6 ST	6x6 90	147462-04	44
3	BRAKES / FLOWGATES	146021S		BRAKE	0.375	STD	41	6x6 ST	6x6 90	147462-04	44
4	BRAKES / FLOWGATES	**210277S**		BRAKE	0.375	STD	41	6x6 ST	6x6 ST	147462-04	44
5	BRAKES / FLOWGATES	146028S		BRAKE	0.375	STD	78	6x6 ST	6x6 90	147462-04	81
6	BRAKES / FLOWGATES	129768S		BRAKE	0.25	STD	102	4x6 ST	4x6 90	206126-04	105
12	BRAKES / FLOWGATES	134973S		BRAKE	0.375	STD	112	6x6 ST	6x6 90	147462-04	115
13	BRAKES / FLOWGATES	93274-04S		BRAKE	0.375	STD	22	6x6 ST	6x6 90	147462-04	24.5
14	BRAKES / FLOWGATES	135627S		BRAKE	0.375	STD	25	6x6 ST	6x6 90	147462-04	28
141	BRAKES / FLOWGATES	130821		R*BRAKE	0.375	STD	60	6x6 ST	6x6 90 45 deg flare	NO SLEEVE	63
142	BRAKES / FLOWGATES	201292		R*BRAKE	0.375	STD	68	6x6 ST	6x6 90 45 deg flare	NO SLEEVE	71
143	BRAKES / FLOWGATES	201294		F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	NO SLEEVE	73
144	BRAKES / FLOWGATES	201294		F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	NO SLEEVE	73

11A	BRAKES / FLOWGATES	129836S		BRAKE	0.25	STD	105	4x6 ST	4x6 ST	206126-04	108
11B	BRAKES / FLOWGATES	134033		BRAKE	0.25	STD	96	4x6 ST	4x6 45	NO SLEEVE	99
19A	BRAKES / FLOWGATES	201220S		FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	206126-04	11.8
19B	BRAKES / FLOWGATES	126924		FLOWGATES	0.25	STD	74	4x6 ST	4x6 ST	NO SLEEVE	77
20A	BRAKES / FLOWGATES	201220S		FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	206126-04	11.8
20B	BRAKES / FLOWGATES	93603-04		FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	NO SLEEVE	69
21A	BRAKES / FLOWGATES	201221S		FLOWGATES	0.25	STD	110	4x6 ST	4x6 LN 90	206126-04	113
21B	BRAKES / FLOWGATES	126924		FLOWGATES	0.25	STD	74	4x6 ST	4x6 ST	NO SLEEVE	77
22A	BRAKES / FLOWGATES	129835S		FLOWGATES	0.25	STD	110	4x6 ST	4x6 90	206126-04	113
22B	BRAKES / FLOWGATES	93603-04		FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	NO SLEEVE	69
88	C1 AUXILIARY	215259		VIBRATOR	0.25	STD	165	4x6 ST	4x6 ST	NO SLEEVE	168
89	C1 AUXILIARY	215260		VIBRATOR	0.25	STD	164	4x6 ST	4x6 45	NO SLEEVE	167
90	C1 AUXILIARY	201278		D*HOPPER	0.25	STD	134	4x6 ST	4x6 ST	NO SLEEVE	137
91	C1 AUXILIARY	148505		D*HOPPER	0.25	STD	128	4x6 ST	4x6 ST	NO SLEEVE	131
92	C1 AUXILIARY	201279		D*HOPPER	0.25	STD	220	4x6 ST	4x6 ST	NO SLEEVE	223
93	C1 AUXILIARY	201280		D*HOPPER	0.25	STD	226	4x6 ST	4x6 ST	NO SLEEVE	229
94	C1 AUXILIARY	99646		C1*AUX	0.5	STD	107	8x8 ST	8x8 90	NO SLEEVE	110
95	C1 AUXILIARY	99654		C1*AUX	0.375	STD	107	6x6 ST	6x6 90	NO SLEEVE	110
98	C1 AUXILIARY	99665		C1*AUX	0.375	STD	26	6x6 ST	6x6 90	NO SLEEVE	29
99	C1 AUXILIARY	99666		C1*AUX	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE	29
100	C1 AUXILIARY	120164		C1*AUX	0.375	STD	23	6x6 ST	6x6 90	NO SLEEVE	25.5
101	C1 AUXILIARY	120826		C1*AUX	0.375	STD	23	6x6 ST	6x6 ST	NO SLEEVE	25.5
138	C1 AUXILIARY	131019		C1*COD	0.25	STD	64	4x6 ST	4x6 ST	NO SLEEVE	67
139	C1 AUXILIARY	97396		C1*COD	0.25	STD	66	4x6 ST	4x6 90	NO SLEEVE	69
157	C1 AUXILIARY	93339-04		C1*AUX*RT	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE	101
160	C1 AUXILIARY	201298		C1*AUX*PR	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
171	C1 AUXILIARY	130191		BAFFLE*OPEN	0.25	STD	72	4x6 ST	4x6 90	NO SLEEVE	75
172	C1 AUXILIARY	129837		BAFFLE*OPEN	0.25	STD	58	4x6 ST	4x6 90	NO SLEEVE	61
178	C1 AUXILIARY	99660		PUSH ROLLER	0.5	STD	110	8x8 ST	8X8 90	NO SLEEVE	113
179	C1 AUXILIARY	121546		PUSH ROLLER	0.375	STD	120	6x6 ST	6x6 90	NO SLEEVE	123
180	C1 AUXILIARY	97859		PUSH ROLLER	0.25	STD	100	4x6 ST	4x6 ST	NO SLEEVE	103
181	C1 AUXILIARY	129836		PUSH ROLLER	0.25	STD	105	4x6 ST	4x6 ST	NO SLEEVE	108
182	C1 AUXILIARY	99645		PUSH ROLLER	0.25	STD	200	4x6 ST	4x6 ST	NO SLEEVE	203
183	C1 AUXILIARY	200302		PUSH ROLLER	0.25	STD	208	4x6 ST	4x6 ST	NO SLEEVE	211
184	C1 AUXILIARY	215255		VIBRATOR	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE	101
185	C1 AUXILIARY	215256S		VIBRATOR	0.25	STD	87	4x6 ST	4x6 ST	206126-04	90
186	C1 AUXILIARY	215257S		VIBRATOR	0.25	STD	268	4x6 ST	4x6 ST	206126-04	271
187	C1 AUXILIARY	215258S		VIBRATOR	0.25	STD	102	4x6 ST	4x6 45	206126-04	105
79	C1 DRIVE	201256-04S		L*C1*DRIVE*A	0.75	HP731	65	12x12 ST	12x12 90	206127-04	70
80	C1 DRIVE	146332-04S		L*C1*DRIVE*B	0.75	HP731	29	12x12 ST	12x12 90	206127-04	34
81	C1 DRIVE	201257-04S		R*C1*DRIVE*A	0.75	HP731	99	12x12 ST	12x12 90	206127-04	104
82	C1 DRIVE	201258-04S		R*C1*DRIVE*B	0.75	HP731	110	12x12 ST	12x12 90	206127-04	115
85	C1 DRIVE	201275S		L*C1*DRIVE*CD	0.75	STD	36	12x12 ST	12x12 ST	206127-04	40
86	C1 DRIVE	130652S		R*C1*DRIVE*CD	0.75	STD	90	12x12 ST	12x12 90	206127-04	94
106	C1 DRIVE	201286		C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE	166
107	C1 DRIVE	201286		C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE	166
108	C1 DRIVE	201287-04		C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE	166
109	C1 DRIVE	201287-04		C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE	166
110	C1 DRIVE	201287-04		C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE	166
111	C1 DRIVE	201287-04		C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE	166

146	C1 DRIVE	201296-04		R*C1*DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
147	C1 DRIVE	201296-04		R*C1*DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
148	C1 DRIVE	201296-04		L*C1*DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
149	C1 DRIVE	201296-04		L*C1*DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
152	C1 DRIVE	125466		R*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
154	C1 DRIVE	125466		L*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
60	C2 DRIVE / OIL COOLER	201712S		COOLER*OUT	1.25	LP	114	20x20 ST	20x20 ST	148915-04	119
61	C2 DRIVE / OIL COOLER	204542S		COOLER*IN	1.25	LP	108	20x20 ST	20x20 ST	148915-04	113
68	C2 DRIVE / OIL COOLER	120120S		C2*MTR*CD	0.75	STD	76	12x12 ST	12x12 90	206127-04	80
69	C2 DRIVE / OIL COOLER	120121S		C2*DRIVE*A	1.25	HP	90	20x20 ST	20x20 ST	206129-04	95
70	C2 DRIVE / OIL COOLER	146024S		C2*DRIVE*B	1.25	HP	82	20x20 ST	20x20 ST	206129-04	87
23	C3 AUX. / C3 CLEANOUT DOOR	134031S		AUXILIARY	0.5	STD	41	8x8 ST	8x8 90	145052-04	44
24	C3 AUX. / C3 CLEANOUT DOOR	93293-04S		AUXILIARY	0.375	STD	35	6x6 ST	6x6 90	147462-04	38
25	C3 AUX. / C3 CLEANOUT DOOR	99631S		C3*SWING	0.25	STD	108	4x6 ST	4x6 90	206126-04	111
26	C3 AUX. / C3 CLEANOUT DOOR	99631S		C3*SWING	0.25	STD	108	4x6 ST	4x6 90	206126-04	111
27	C3 AUX. / C3 CLEANOUT DOOR	130199S		C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	206126-04	163
28	C3 AUX. / C3 CLEANOUT DOOR	130199S		C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	206126-04	163
122	C3 AUX. / C3 CLEANOUT DOOR	93294-04		C3 SWING	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE	45
123	C3 AUX. / C3 CLEANOUT DOOR	93294-04		C3 SWING	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE	45
132	C3 AUX. / C3 CLEANOUT DOOR	128974		C3*COD	0.25	STD	52	4x6 ST	4x6 90	NO SLEEVE	55
133	C3 AUX. / C3 CLEANOUT DOOR	122295		C3*COD	0.25	STD	48	4x6 ST	4x6 90	NO SLEEVE	51
134	C3 AUX. / C3 CLEANOUT DOOR	130200S		C3*COD	0.25	STD	102	4x6 ST	4x6 ST	206126-04	105
135	C3 AUX. / C3 CLEANOUT DOOR	130200S		C3*COD	0.25	STD	102	4x6 ST	4x6 ST	206126-04	105
136	C3 AUX. / C3 CLEANOUT DOOR	201293S		C3*COD	0.375	STD	35	6x8 ST	6x8 90	147462-04	38
137	C3 AUX. / C3 CLEANOUT DOOR	99655S		C3*COD	0.375	STD	27	6x6 ST	6x6 90	147462-04	30
71	C3 DRIVE	120187S		C3*DRIVE*CD	0.75	STD	118	12x12 ST	12x12ST	206127-04	122
117	C3 DRIVE	127788		C3*MTR*CD	0.75	STD	274	12x12 ST	12x12 ST	NO SLEEVE	278
15	C-3 DRIVE	145996S		C3*DRIVE*A	1	HP	118	16x16 ST	16x16 ST	206128-04	123
16	C-3 DRIVE	145995S		C3*DRIVE*B	1	HP	110	16x16 ST	16x16 ST	206128-04	115
17	C-3 DRIVE	145994		C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE	279
18	C-3 DRIVE	145994		C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE	279
39	ENGINE	134530S		DRIVE*SUC	1	VAC	62	16x16 ST	16x16 90	206128-04	67
64	ENGINE	93331S		AUXILIARY	0.75	STD	54	12x12 ST	12x12 90	206127-04	57
65	ENGINE	93359-04S		C1*PUMP*CD	0.75	STD	32	12x12 ST	12x12 ST	206127-04	36
67	ENGINE	201711S		AUX*PUMP*CD	0.75	STD	47	12x12 ST	12x12 ST	206127-04	51
77	ENGINE	134047S		C3*DRIVE*CD	0.75	STD	66	12x12 ST	12x12 90	206127-04	70
83	ENGINE	93323-04S		C2*DRIVE*CD	0.75	STD	43	12x12 ST	12x12 ST	206127-04	47
87	ENGINE	201297S		DURST*DR	0.5	STD	82	8x8 ST	8x8 90	145052-04	85
112	ENGINE	120756S		DRIVE*CD	0.75	STD	27	12x12 ST	12x12 ST	206127-04	31
113	ENGINE	129853S		ENG*OIL*DR	0.75	STD	60	12x12 ST	12x12 ST	206127-04	64
120	ENGINE	93621-04S		F*FXS*PR	0.5	STD	48	8x8 ST	8x8 90	145052-04	51
121	ENGINE	93621-04S		R*FXS*PR	0.5	STD	48	8x8 ST	8x8 90	145052-04	51
63	ENGINE	201249S		AUXILIARY	1.5	VAC	46	24x24 ST	24x24 ST	147464-04	51
66	ENGINE	201250S		C2*PUMP*SUC	1.25	VAC	41	20x20 ST	20x20 90	148915-04	46
78	ENGINE	201255S		C3*DRIVE*SUC	1	VAC	51	16x16 ST	16x16 90	206128-04	56
84	ENGINE	130654S		C1*DRIVE*SUC	1.25	VAC	74	20x20 ST	20x20 90	148915-04	79
118	ENGINE	201288S		F*FXS*SUC	1	VAC	80	16x16 ST	16x16 90	206128-04	85
119	ENGINE	201289S		R*FXS*SUC	1	VAC	86	16x16 ST	16x16 90	206128-04	91
62	FUME EXTRACTION	132285S		AUXILIARY	0.75	STD	84	12x12 ST	12x12 90	206127-04	88
124	FUME EXTRACTION	201290S		FXS*AUX	0.5	STD	116	8x8 ST	8x8 ST	145052-04	119

125	FUME EXTRACTION	134008S		FXS*AUX	0.5	STD	104	8x8 ST	8x8 ST	145052-04	107
126	FUME EXTRACTION	136292S		FXS*AUX	0.75	STD	110	12x12 ST	12x12 90	206127-04	114
128	FUME EXTRACTION	97392S		FXS*AUX	0.5	STD	141	8x8 ST	8x8 90	145052-04	144
129	FUME EXTRACTION	93413-04S		FXS*AUX	0.75	STD	50	12x12 ST	12x12 90	206127-04	54
130	FUME EXTRACTION	201291		FXS*AUX	0.75	STD	115	12x12 ST	12x12 ST	NO SLEEVE	119
131	FUME EXTRACTION	130139		FXS*AUX	0.5	STD	110	8x8 ST	8x8 ST	NO SLEEVE	113
155	FUME EXTRACTION	125466		FXS*RT	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
156	FUME EXTRACTION	93339-04		FXS*PR	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE	101
165	FUME EXTRACTION	141179-04		FXS*PR	0.5	STD	20	8x8 ST	8x8 90	NO SLEEVE	22.7
170	FUME EXTRACTION	93331-04S		AUXILIARY	0.75	STD	54	12x12 ST	12x12 90	206127-04	58
173	FUME EXTRACTION	148614		C1 FXS*CD	0.375	STD	110	6x6 ST	6x6 ST	NO SLEEVE	113
174	FUME EXTRACTION	201298		FXS*CD*PANEL	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
175	FUME EXTRACTION	127111S		FXS*BH*TANK	0.375	STD	130	6x6 ST	6x6 ST	147462-04	133
176	FUME EXTRACTION	97800S		C2*FXS*TANK	0.375	STD	60	6x6 ST	6x6 ST	147462-04	63
55	STEERING / C1 LIFT	137729S		STEER*RT	0.375	STD	136	6x6 ST	6x6 LN 90	147462-04	139
56	STEERING / C1 LIFT	97803S		STEER*PR	0.375	STD	126	6x6 ST	6x6 90	147462-04	129
58	STEERING / C1 LIFT	93312-04		STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE	37
59	STEERING / C1 LIFT	93312-04		STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE	37
158	STEERING / C1 LIFT	201298		L*STEER	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
159	STEERING / C1 LIFT	201298		R*STEER	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
54A	STEERING / C1 LIFT	134503S		L*STEER	0.375	STD	156	6x6 ST	6x6 LN 90	147462-04	159
54B	STEERING / C1 LIFT	201246		L*STEER	0.375	STD	126	6x6 ST	6x6 45	NO SLEEVE	129
57A	STEERING / C1 LIFT	128235S		R*STEER	0.375	STD	156	6x6 ST	6x6 90	147462-04	159
57B	STEERING / C1 LIFT	201246		R*STEER	0.375	STD	126	6x6 ST	6x6 45	NO SLEEVE	129
96A	STEERING / C1 LIFT	120747S		C1*LIFT	0.5	STD	105	8x8 ST	8x8 90	145052-04	108
96B	STEERING / C1 LIFT	136009		C1*LIFT	0.5	STD	147	8x8 ST	8x8 45	NO SLEEVE	150
97A	STEERING / C1 LIFT	201281S		C1*LIFT	0.375	STD	96	6x6 ST	6x6 LN 90	147462-04	99
97B	STEERING / C1 LIFT	201282		C1*LIFT	0.375	STD	144	6x6 ST	6x6 45	NO SLEEVE	147
35	TRACTION DRIVE	146331-04		D*LOCK	0.75	HP 731	48	12x12 ST	12x12 ST	NO SLEEVE	52
36	TRACTION DRIVE	146338-04S		R*DRIVE*A	0.75	HP731	105	12x12 ST	12x12 90	206127-04	110
37	TRACTION DRIVE	201241S		PMP*DRIVE*B	1	HP	46	20x20 ST	20x20 ST	206129-04	51
41	TRACTION DRIVE	121351S		R*DRIVE*CD	0.75	STD	100	12x12 ST	12x12 90	206127-04	104
150	TRACTION DRIVE	201296-04		DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
151	TRACTION DRIVE	201296-04		DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE	100
153	TRACTION DRIVE	125466		DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
34A	TRACTION DRIVE	149500-04S		F*DRIVE*B	0.75	HP731	62	12x12 ST	12x12 ST	206127-04	66
34B	TRACTION DRIVE	146328-04		F*DRIVE*B	0.75	HP731	73	12x12 ST	12x12 90	NO SLEEVE	78
38A	TRACTION DRIVE	201242-04S		F*DRIVE*A	0.75	HP731	118	12x12 ST	12x12 90	206127-04	123
38B	TRACTION DRIVE	201243-04		F*DRIVE*A	0.75	HP731	76	12x12 ST	12x12 90	NO SLEEVE	81
40A	TRACTION DRIVE	131416S		F*DRIVE*CD	0.75	STD	84	12x12 ST	12x12 ST	206127-04	88
40B	TRACTION DRIVE	127141		F*DRIVE*CD	0.75	STD	74	12x12 ST	12x12 90	NO SLEEVE	78

MISCELLANEOUS ITEMS SHIPPED IN HOSE KIT FROM PARKER

ROADTEC PART#	DESCRIPTION	VENDOR #	QTY	WHERE USED
134613-04	GREASE LINE ~ 1/4 X 102" W/4 JIC SW		2	C-2 INNER IDLER BRNGS
134178-04	GREASE LINE ~ 1/4 X 85" W/4 JIC SW		2	C-1 REAR IDLER BRNGS
201312-04	GREASE LINE ~ 1/4 X 52" W/4 JIC SW		2	DUMP HOPPER INNER BRNGS
144367-04	GREASE LINE ~ 1/4 X 36" W/4 JIC SW		4	C-2 IDLER BRNGS
144367-04	GREASE LINE ~ 1/4 X 36" W/4 JIC SW		2	C-3 HEADSHAFT BRNGS
134227-04	GREASE LINE ~ 1/4 X 24.5" W/4 JIC SW		2	DUMP HOPPER INNER BRNGS
134227-04	GREASE LINE ~ 1/4 X 24.5" W/4 JIC SW		2	C-1 CENTER IDLER BRNGS
131913-04	VALVE ~ 2 WAY BALL 6 SAE	6G5B6LJ2-BP	1	BRAKE HYDRAULICS
89010-04	VALVE ~ 2 WAY BALL 1/4 N.P.T.	4F-B6LJ2-BP	1	WASHDOWN

REVISION	DATE	DESCRIPTION	BY
A	5/24/2005	HOSE 4 WAS 93279-04S	TRH
A	2/24/2005	HOSE 71 WAS NOT SLEEVED	TRH
A	6/15/2004	ADDED GREASE LINES FOR C-1 VIBRATOR	TRH
B	7/23/2004	HOSE #4 WAS 146027S	JEH
C	7/23/2004	HOSE #171A WAS 146027S	JEH
C	1/7/2005	HOSE #69 WAS 120121S	DD
C	1/7/2005	HOSE #70 WAS 146024S	DD
D	1/7/2005	HOSE #70 WAS 146024S 1/7/05 DD	DD
D	2/22/2005	HOSE #69 WAS 211479-04S 2/22/05 DD	DD
D	2/22/2005	HOSE #70 WAS 211480-04S 2/22/05 DD	DD
E	9/19/2005	CHANGED VACUM/SUCTION HOSE TO PARKER 811	DD
F	10/4/2005	HOSE #37 WAS 1 1/4 DIA HOSE	DD
G	10/24/2005	DELETED GREASE LINES - 209932-04 & 209933-04	DD
H	11/3/2005	GREASE LINE 134613-04 WAS 205817-04(80" LG)	DD
J	12/20/2005	HOSE #64 WAS 134282S, HOSE 88 WAS 201277, HOSE 89 WAS 201276 ADDED HOSES 184 - 187	DD

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3

PROPEL PUMP

M1

A

6500 PSI

2530 RPM
FULL LOAD

4.58 CID

50.1 GPM MAX

11.2 GPM

1.03 CID

350 PSI

6500 PSI

M2

B

L1 S L2

REAR MOTOR

L2 M3 M1

A

3.35 CID

REAR PARKING BRAKE

B

L1 M2

FRONT MOTOR

L2 M3 M1

A

3.35 CID

FRONT PARKING BRAKE

B

L1 M2

OIL COOLER
300 PSI MAX

RETURN FILTER

3 MICRON ABSOLUTE

10 MICRON

SUCTION FILTER

DIFFERENTIAL LOCK

A B

M1

M2

Pst

L

P

SEE SHEET 6 FOR HOOD CIRCUIT

DE PLT B DL S2 S1

2 SPD. ACTUATORS

S1 PRESSURIZED FOR LOW RANGE
S2 PRESSURIZED FOR HIGH RANGE

T1

P

ø0.040

ø0.046

350 PSI

G

T2

FROM AUX. PRESSURE MANIFOLD

HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03

PROPEL CIRCUIT

REPLACES DWNG# 204722-01 E.C.# 1302

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: 1 of 6

FAB CODE: 615

EFFECTIVE S/N: 754

DRAWN BY: JEH

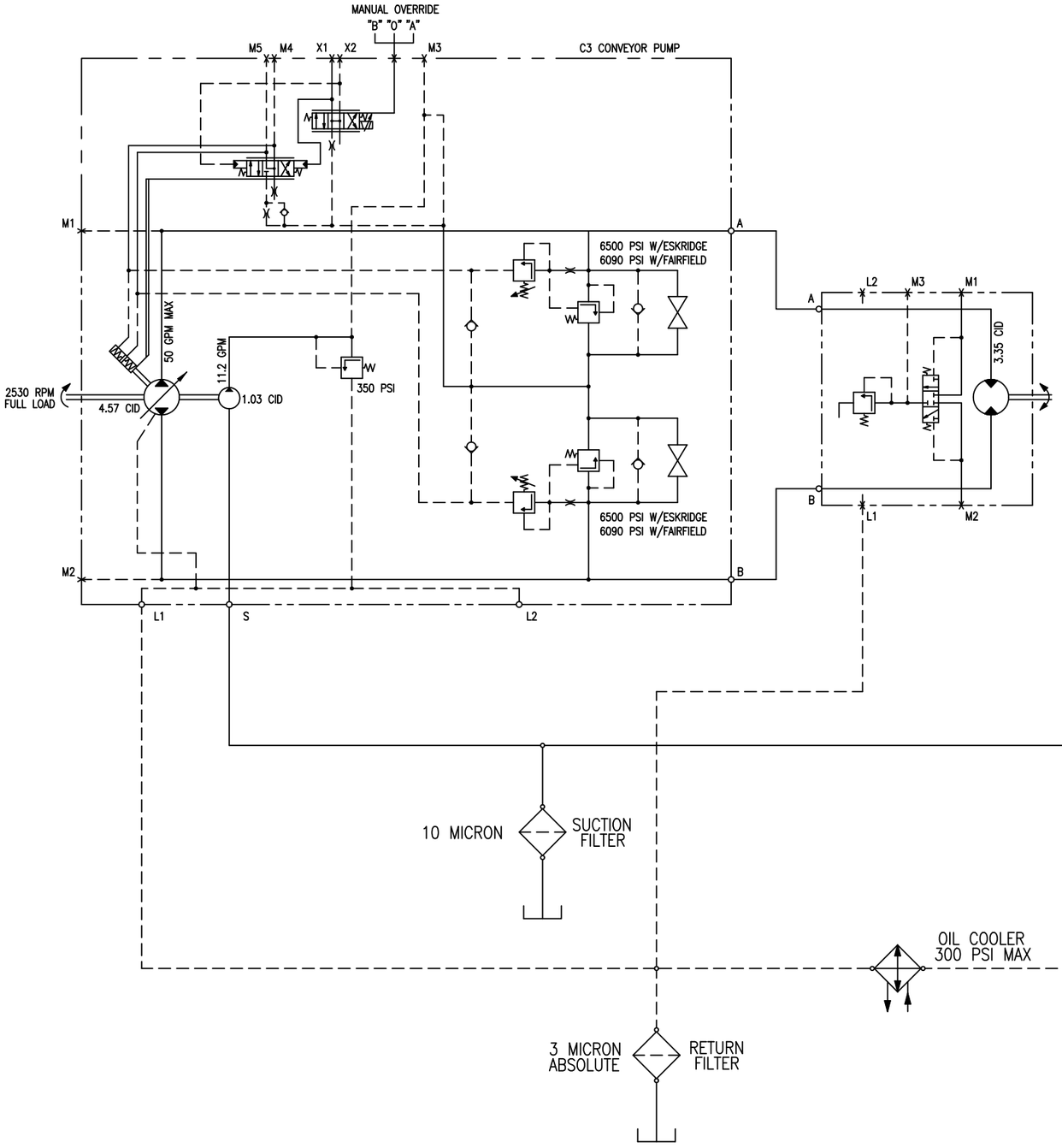
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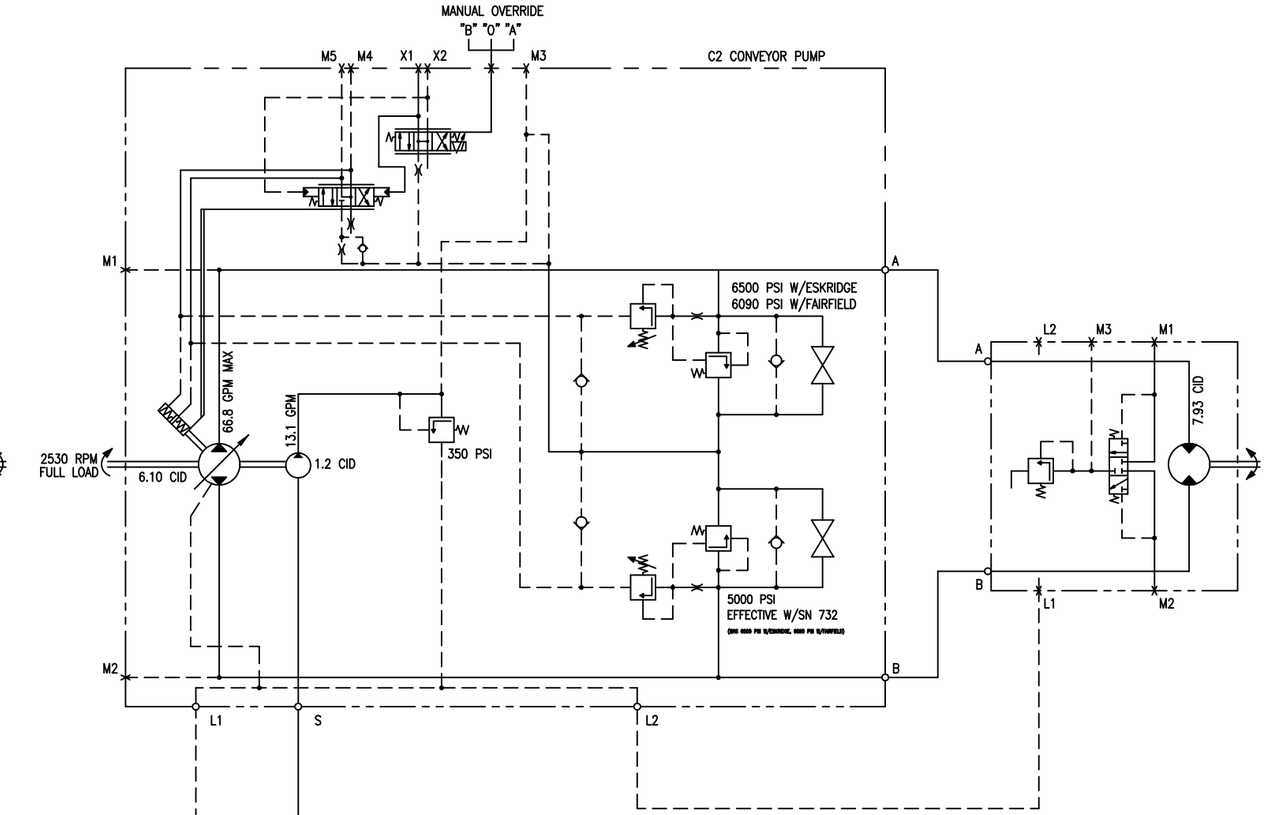
DWG NO: 210666-01

REV: A

SCALE: 3/4

DATE: 9/22/04





C-2/C-3 CIRCUIT

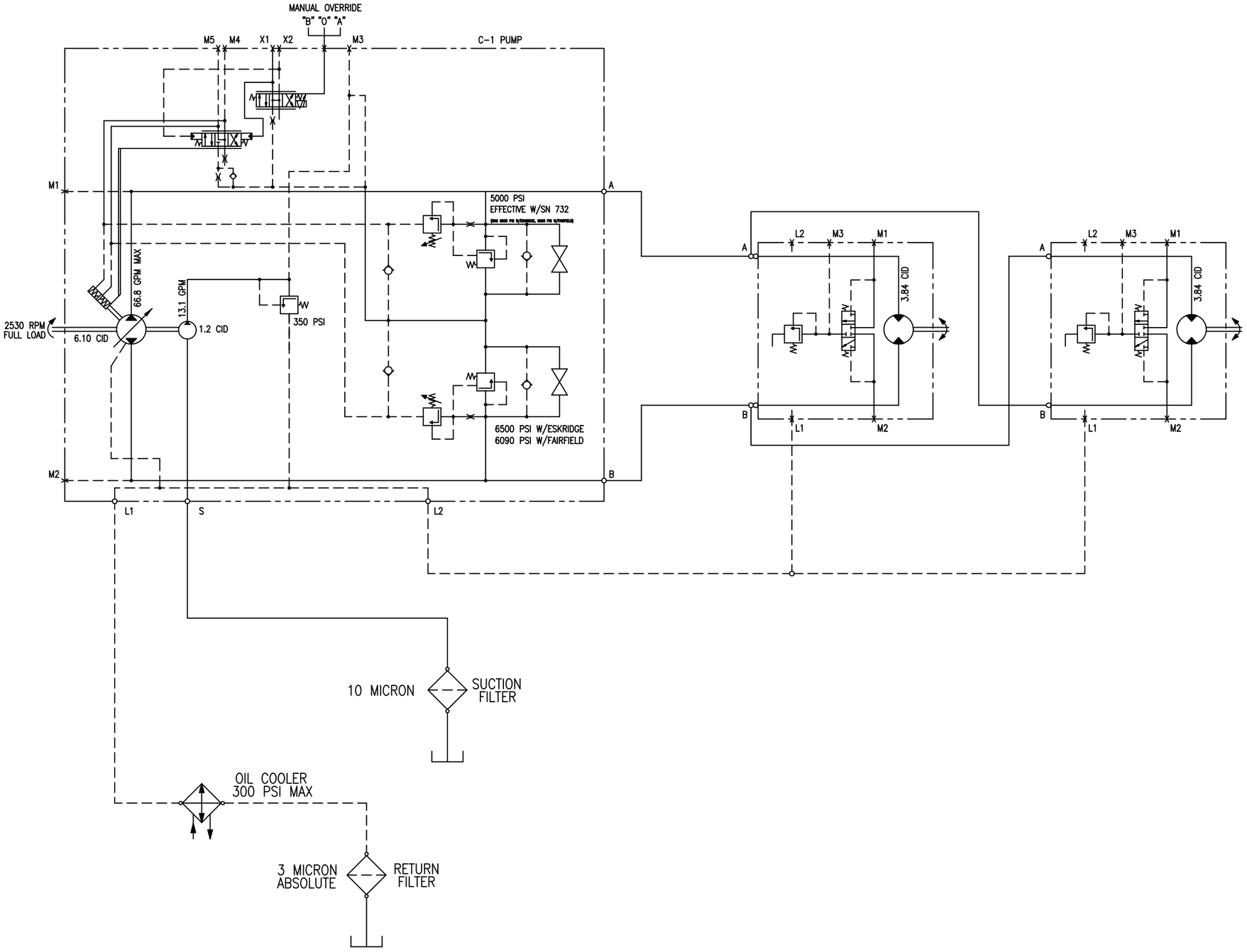
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

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 2 of 6	FAB CODE 615	EFFECTIVE S/N 754
DRAWN BY JEH / CHECKED BY			
SCALE 3/4 / DATE 9/22/04	DWG NO 210666-01		REV. A



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

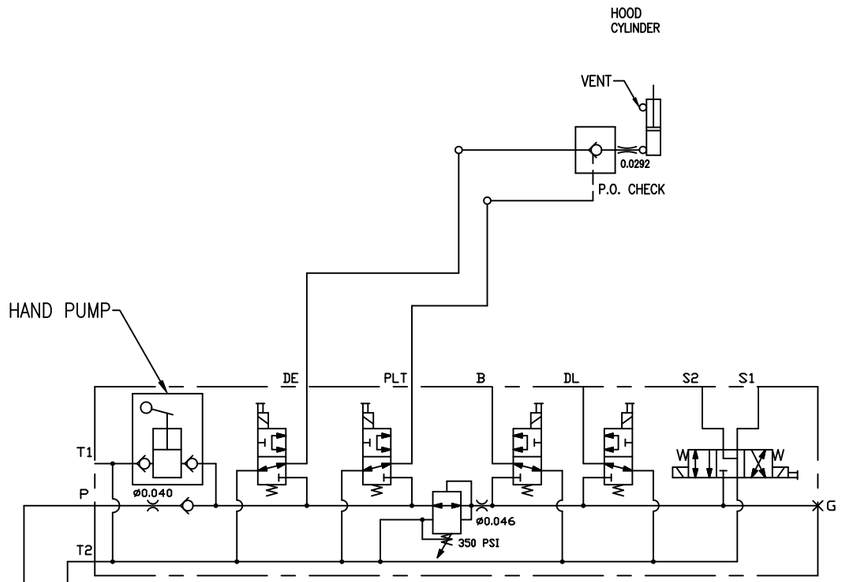
01 REQ'D PER 2500C

SHEET NO: 3 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 754

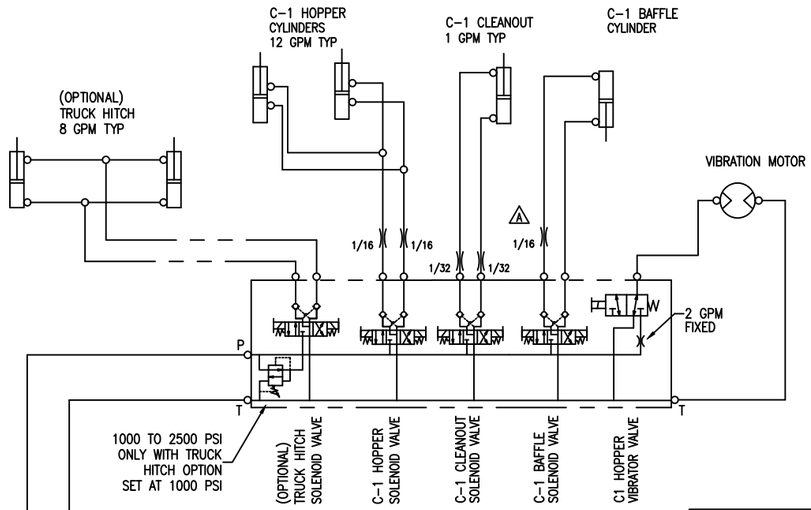
DRAWN BY: JEH | CHECKED BY:

SCALE: 3/4 | DATE: 9/22/04

DWG NO: 210666-01 | REV: A

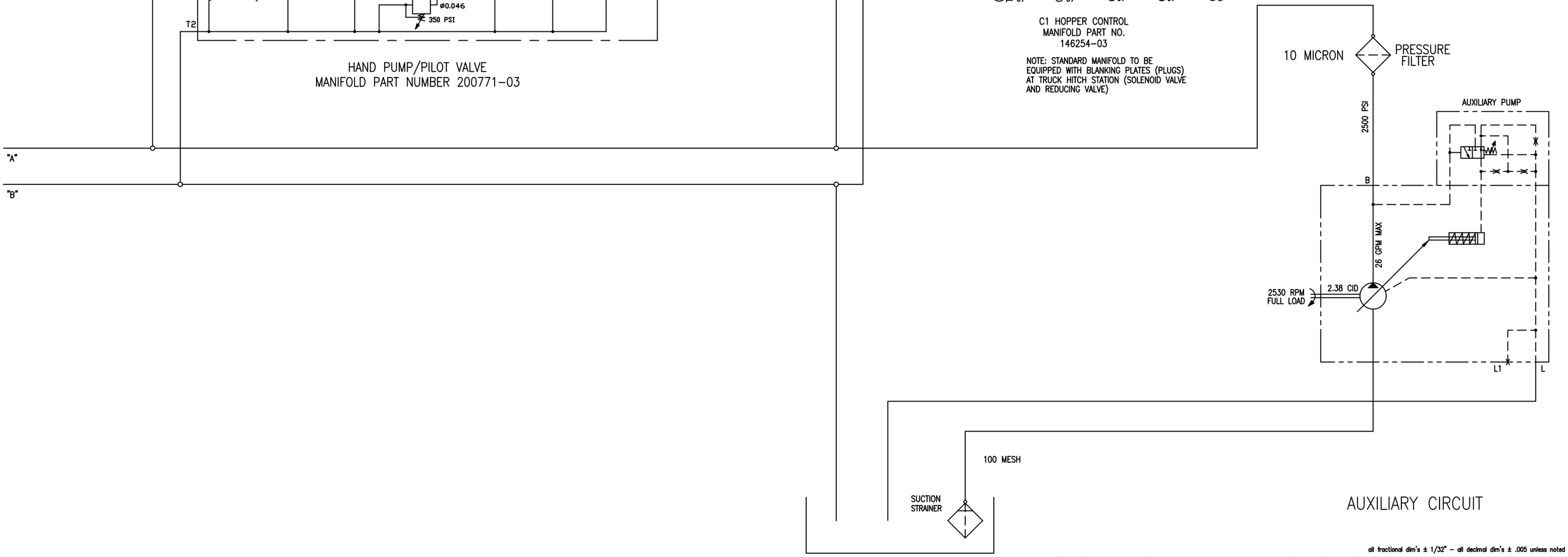


HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03



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)



AUXILIARY 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
A	754	10/20/04	REPLACED FLOW CONTROL WITH RESTRICTING ORIFICE		JEH

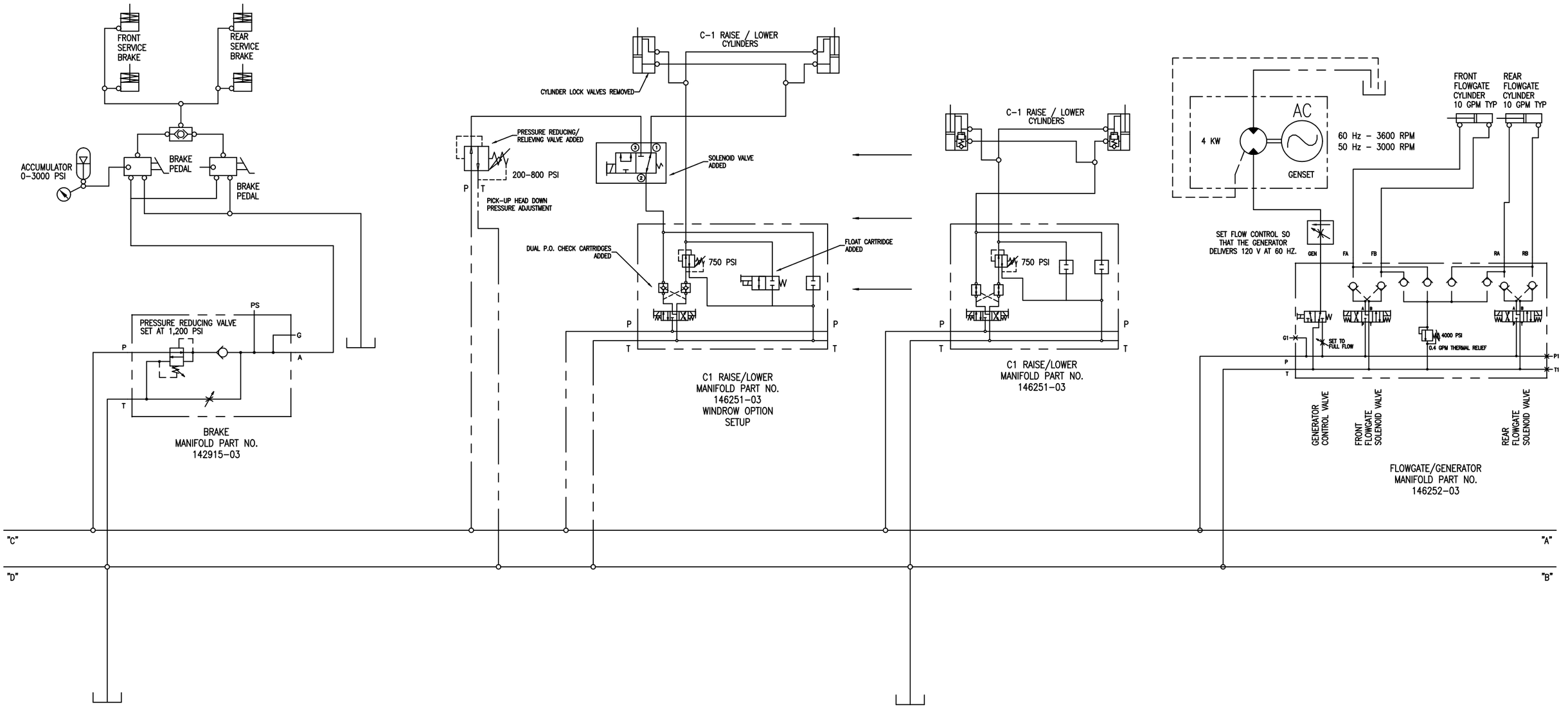
ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C | SHEET NO 4 of 6 | FAB CODE 615 | EFFECTIVE S/N 754

DRAWN BY JEH | CHECKED BY | DWG NO 210666-01 | REV. A

SCALE 3/4 | DATE 9/22/04



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

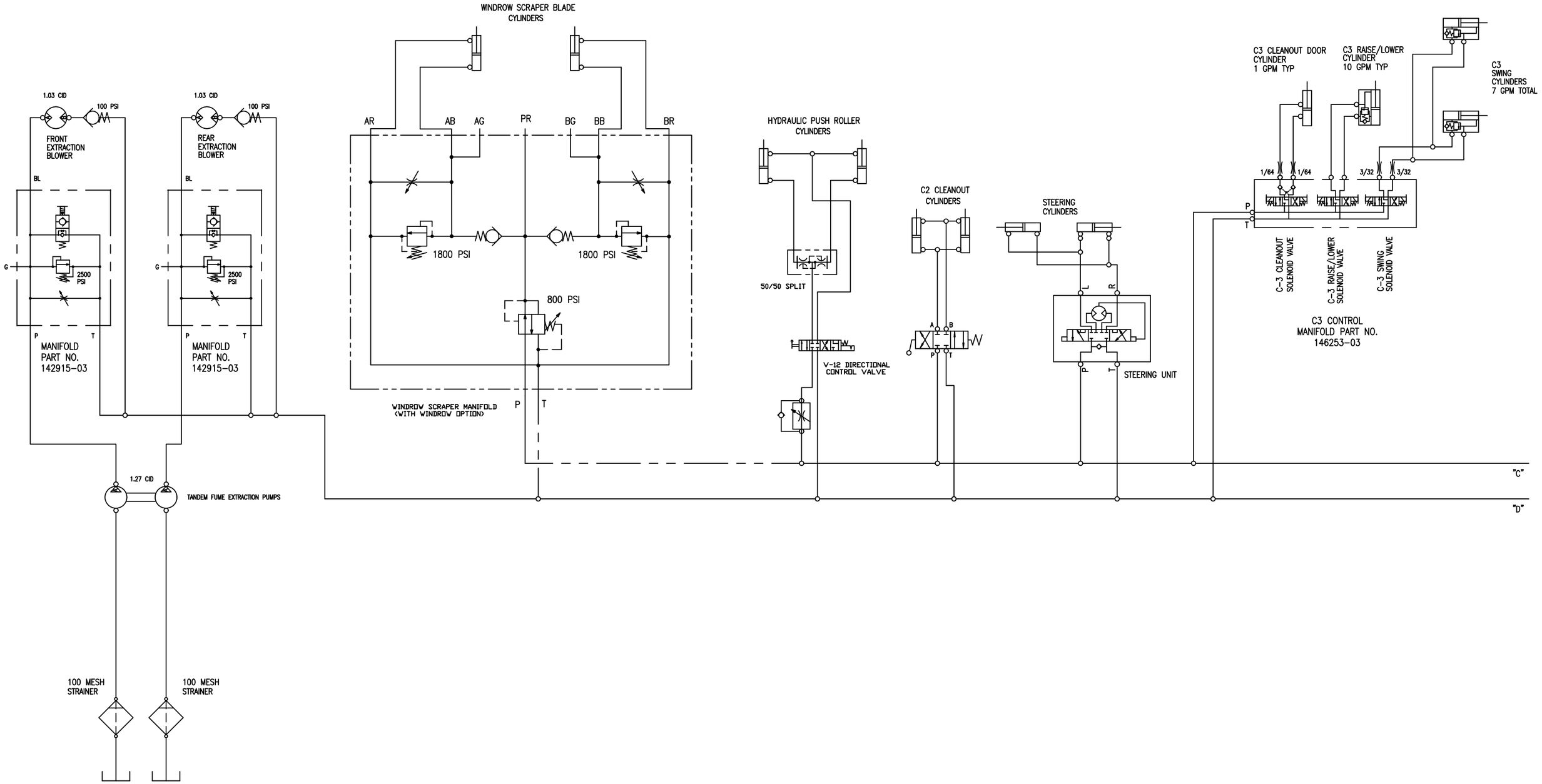
ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C | SHEET NO 5 of 6 | FAB CODE 615 | EFFECTIVE S/N 754

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 9/22/04 | DWG NO 210666-01 | REV. A



AUXILIARY CIRCUIT (CON'T)/FXS CIRCUIT

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

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

ROADTEC

PART NAME: SB-2500C HYDRAULIC SCHEMATIC

01 REQ'D PER 2500C | SHEET NO 6 of 6 | FAB CODE 615 | EFFECTIVE S/N 754

DRAWN BY JEH | CHECKED BY | DWG NO 210666-01 | REV. A

SCALE 3/4 | DATE 9/22/04

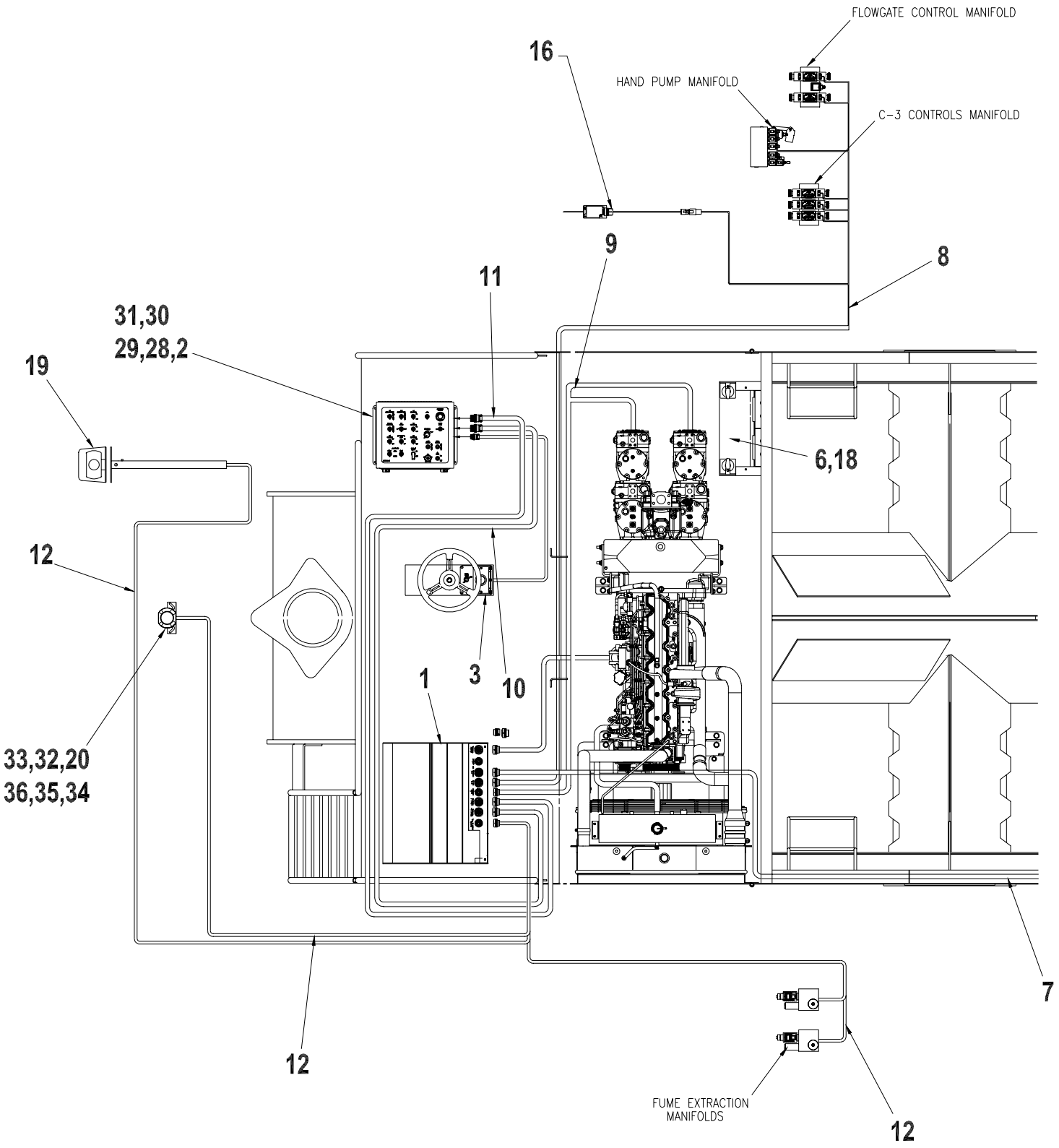
SECTION 5 : ELECTRICAL

ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL WIRING	214275-01	808 & UP	5.1
CENTER CONSOLE	214274-01		5.5
STEERING BOX	214260-01		5.9
L.H. C-1 CONTROL BOX	214262-01		5.13
R.H. C-1 CONTROL BOX	214261-01		5.17
BATTERY / ISO SWITCH HARNESS	204281-03		5.21
MAIN BREAKER & WASHDOWN HARNESS	203487-01		5.23
C-2 CLEAN-OUT DOOR LIMIT SWITCH & PIG TAIL	214279-03		5.24
HARNESS - C-1 CONTROL BOX CROSSOVER	214222-02		5.25
HARNESS - C-1 VALVE STACK	214224-02		5.26
LIMIT SWITCH W/ WOBBLE LEVER	214282-03		5.27
OPERATOR DRIVE CONSOLE	214227-03		5.28
HARNESS - VALVE STACK	214209-01		5.29
HARNESS - R.H. C-1 CONTROL BOX	214220-01		5.31
SCHEMATIC	214296-01		

SB-2500C ELECTRICAL ASSEMBLY.

(214275-01)

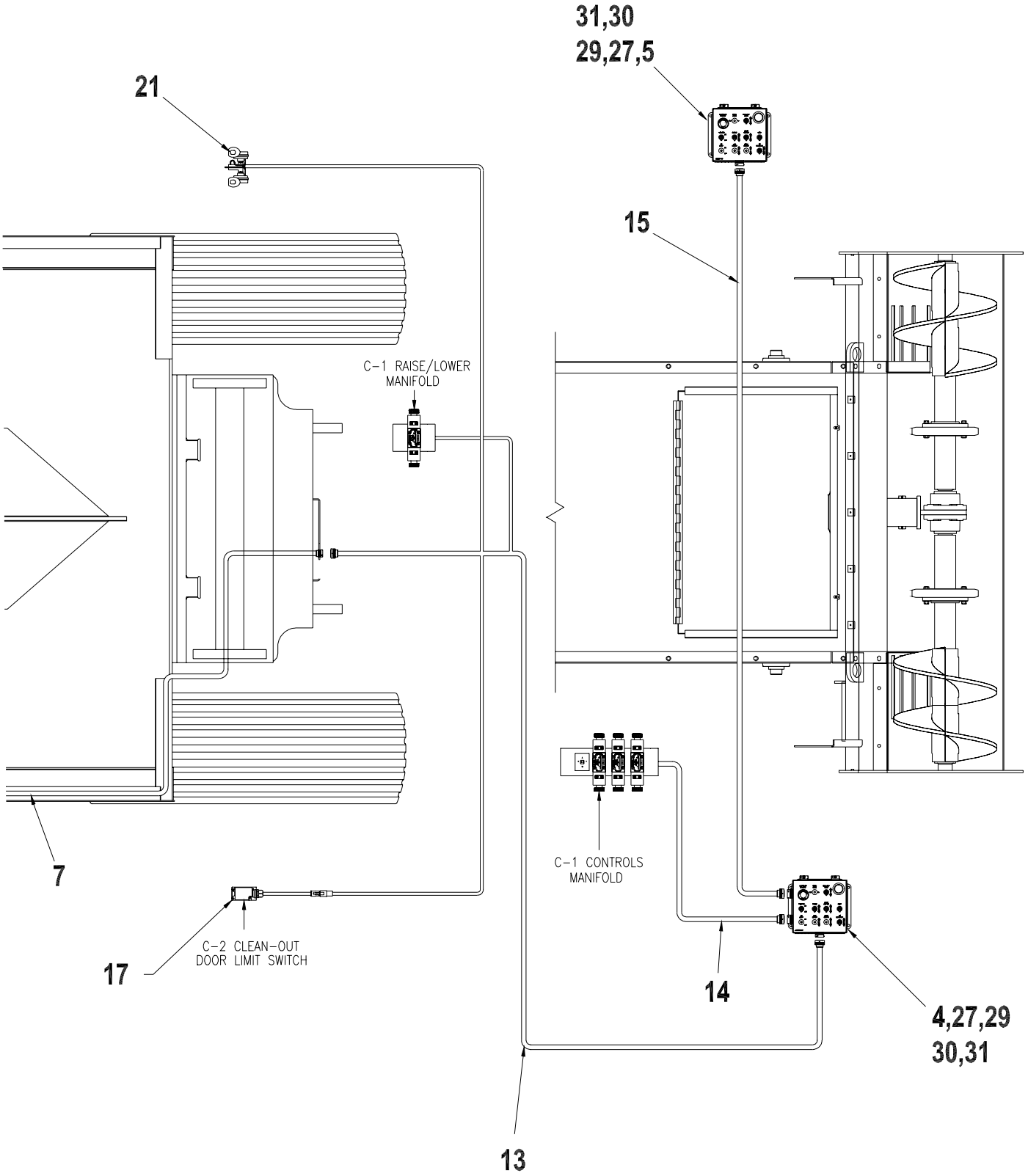
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SB-2500C ELECTRICAL ASSEMBLY.

(214275-01)

PREVIOUS PAGE



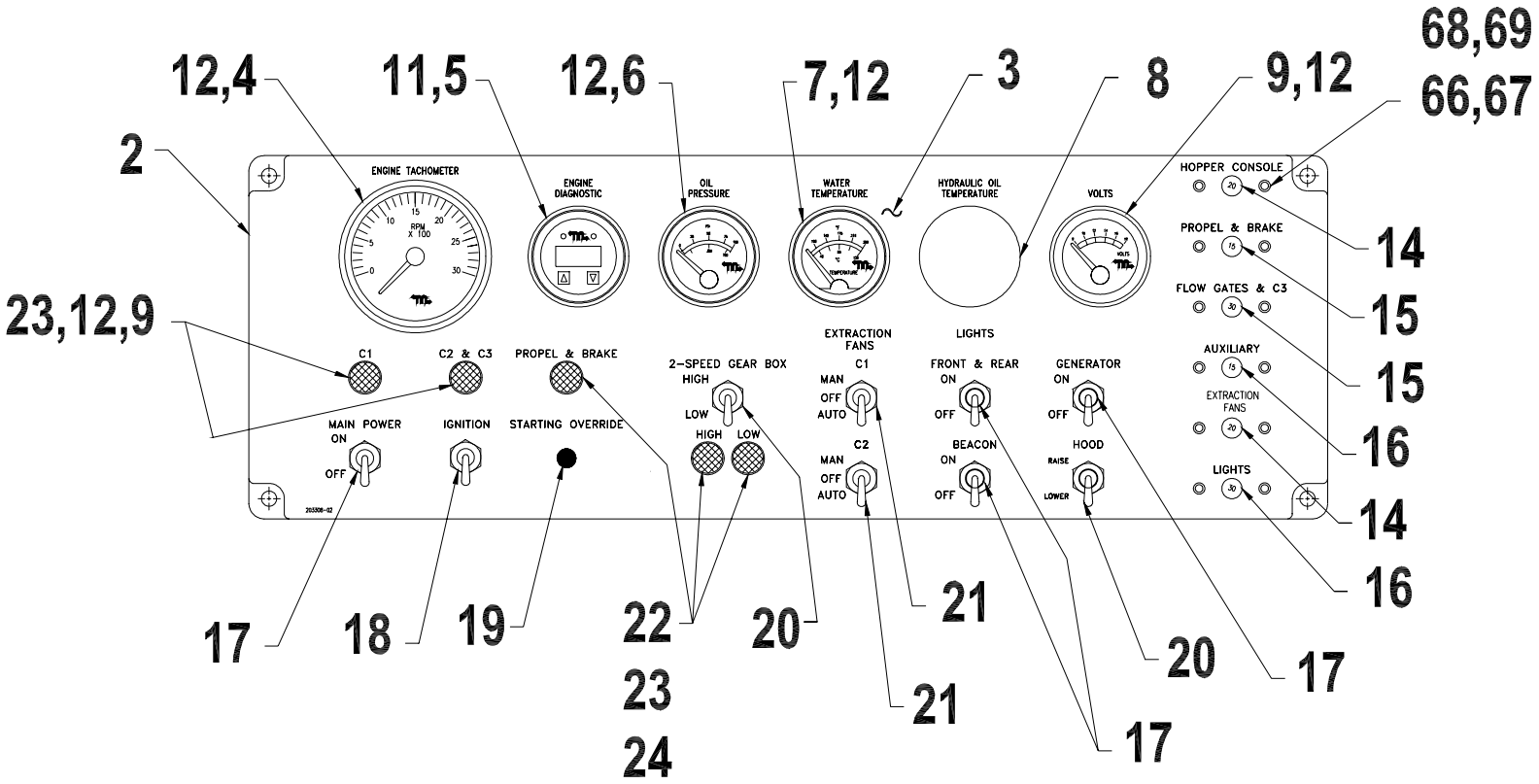
ELECTRICAL ASSEMBLY
(214275-01)

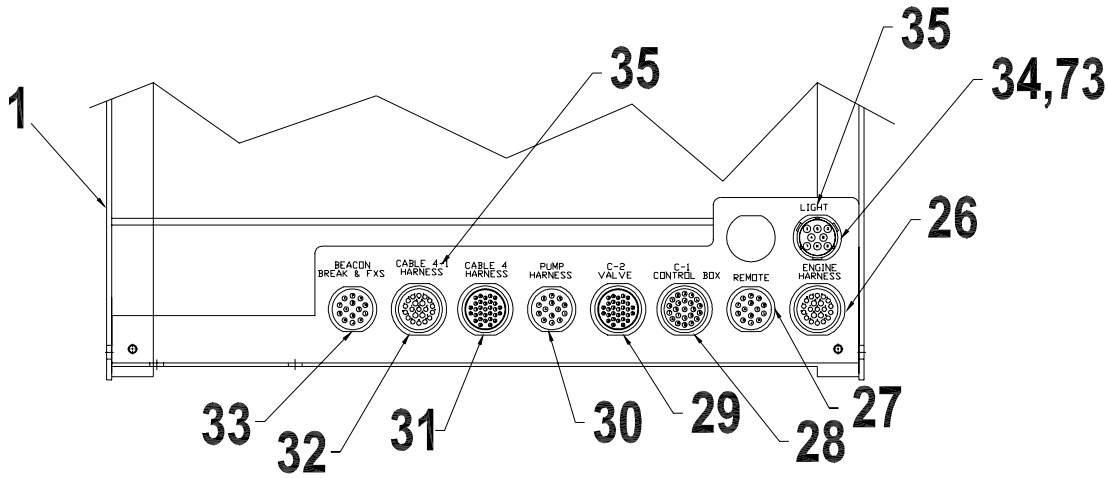
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214274-01	CENTER CONSOLE ELECTRICAL	1
2	214260-01	STEERING BOX ELECTRICAL ASSEMBLY	1
3	214227-03	OPERATORS DRIVE CONSOLE ELECTRICAL ASSEMBLY	1
4	214261-01	RH C-1 CONTROL BOX ASSY.	1
5	214262-01	LH C-1 CONTROL BOX ASSY.	1
6	204281-03	BATTERY / ISO SWITCH SUB-ASSY	1
7	214219-01	WIRE HARNESS - JUMPER TO C-1 CONTROL BOX	1
8	214209-01	WIRE HARNESS - C-2 VALVE STACK	1
9	214212-01	WIRE HARNESS - PUMP	1
10	214207-01	WIRE HARNESS - STEERING BOX CABLE 4	1
11	214216-01	WIRE HARNESS - STEERING BOX CABLE 4	1
12	214214-02	WIRE HARNESS - FXS, BEACON, BACK-UP, & BRAKE	1
13	214220-01	WIRE HARNESS - RH C-1 CONTROL BOX	1
14	214224-02	WIRE HARNESS - C-1 VALVE STACK	1
15	214222-02	WIRE HARNESS - C-1 CONTROL BOX CROSSOVER	1
16	214282-03	LIMIT SWITCH W/ WOBBLE SWITCH	1
17	214279-03	LIMIT SWITCH C-2 CLEAN OUT DOOR	1
18	203487-01	WIRE HARNESS - BREAKERS/WASH DOWN	1
19	214370-01	STROBE LIGHT ASSY.	1
20	89077-04	REVERSING ALARM	1
21	97779-04	ALARM - HORN ELEC. TWIN-TONE 12 V.	1
22	214296-01	ELECTRICAL SCHEMATIC	1
23	83657-04	WIRE TIE - 3/16" X 7" NYLON	300
24	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	200
25	83905-04	WIRE TIE - 1/4" X 14" NYLON	200
26	141038	ELEC. TAPE 3/4" X 60 YD.	6
27	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	12
28	89773	HEX BOLT - 1/4-20 X 3/4 GR8	4
29	89772	NUT, HEX 1/4 - 20 GD. 8	16
30	84444	FLAT WASHER - 1/4 STEEL	32
31	83065	LOCK WASHER 1/4" SPRING STEEL	16
32	84332	BOLT, HEX 3/8 - 16 X 1"	2
33	83055	NUT, HEX 3/8 - 16 GD. 8	2
34	83757	FLAT WASHER 3/8" STEEL	4
35	83056	LOCK WASHER 3/8" SPRING STEEL	2
36	139702-04	STAR WASHER - 3/8 OD	1

CENTER CONSOLE ELECTRICAL ASSEMBLY.

(214274-01)

NEXT PAGE

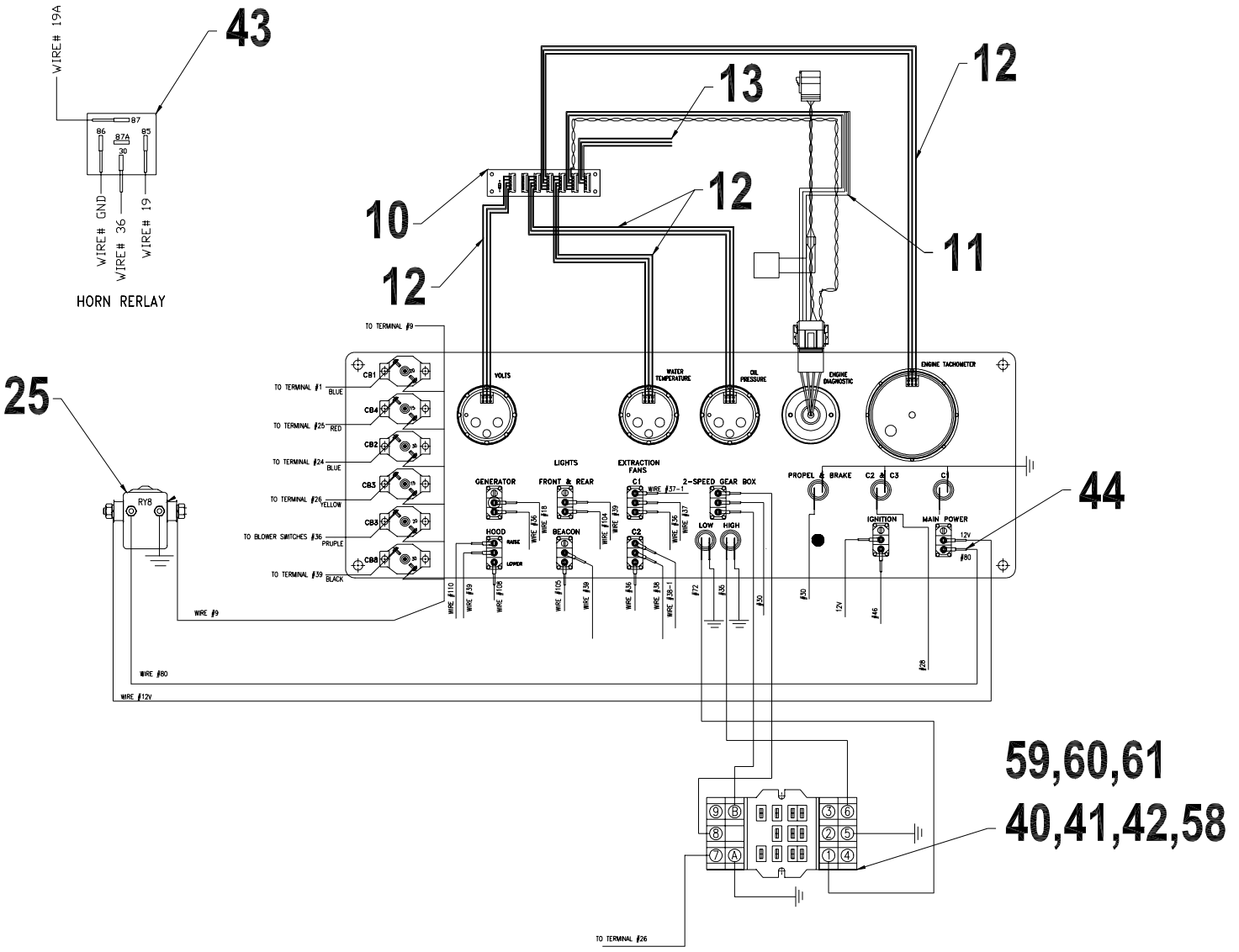


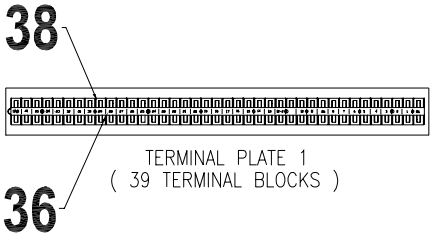


CENTER CONSOLE ELECTRICAL ASSEMBLY.

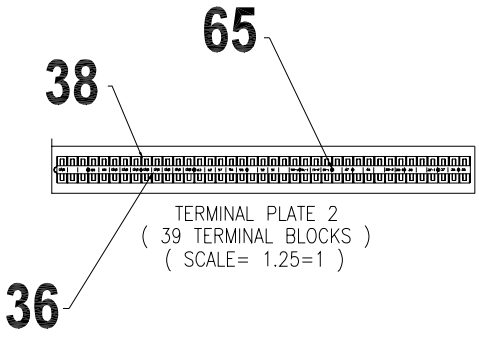
(214274-01)

PREVIOUS PAGE

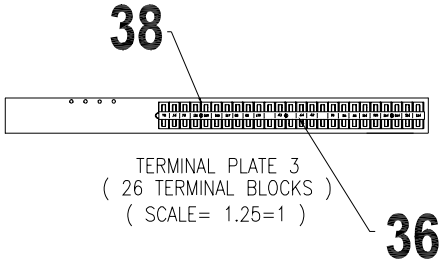




TERMINAL PLATE 1
(39 TERMINAL BLOCKS)



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



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

CENTER CONSOLE ELECTRICAL ASSEMBLY
(214274-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213980-01	CENTER CONSOLE WLDMT.	1
2	203307-03	CENTER CONSOLE BACKING PLATE	1
3	203308-02	DECAL - CENTER CONSOLE	1
4	201431-04	GAUGE - TACH.	1
5	201430-04	GAUGE - DISPLAY & DIAGNOSTIC	1
6	201432-04	GAUGE - PRESSURE	1
7	201433-04	GAUGE - TEMP.	1
8	203122-04	HOLE PLUG	1
9	203137-04	GAUGE - VOLTS	1
10	201437-04	CONNECTOR HEADER ASSEMBLY	1
11	201436-04	MDDM CONNECTOR HARNESS 25"	1
12	201435-04	CONNECTOR HARNESS 25" M LINK	4
13	203139-04	HARNESS - 12V POWER SUPPLY	1
14	90089	CIRCUIT BREAKER 20 AMP	2
15	13A04	CIRCUIT BREAKER 15 AMP	2
16	92523-04	CIRCUIT BREAKER 30 AMP	2
17	13E68	TOGGLE SWITCH	4
18	97542	TOGGLE SWITCH ON / OFF SP-ST-SR	1
19	97944-04	HOLE PLUG 1/2"	1
20	139471	TOGGLE SWITCH	2
21	20P56	TOGGLE SWITCH	2
22	80446-04	LIGHT - RED JEWEL LENS	5
23	128180	LIGHT - BULB 12 V. 127SB5	5
24	80449-04	LIGHT - SOCKET	5
25	135727-04	POWER RELAY 12 VDC 65 AMP	1
26	214217-02	PIG TAIL - ENGINE	1
27	214210-02	PIG TAIL - REMOTE START	1
28	214218-02	PIG TAIL - C-1 CONTROL BOX	1
29	214208-02	PIG TAIL - C-2 VALVE STACK	1
30	214211-02	PIG TAIL - PUMPS	1
31	214206-02	PIG TAIL - STEERING BOX CABLE 4	1
32	214215-02	PIG TAIL - STEERING BOX CABLE 4-1	1
33	214213-02	PIG TAIL - FXS, BEACON, BACK-UP ALARM, & BRAKE	1
34	214311-03	PIG TAIL - FRONT & REAR LIGHTS	1
35	214266-04	DECAL KIT - DEUTSCH PLUG	1
36	145671-02	DATA PLATE KIT - TERMINAL ID STRIPS	1
37	138601-03	DECAL - ALUM. NO. STICKERS	1
38	13C69	TERMINAL BLOCK	103
39	97976	ADHESIVE MOUNT	46
40	96776X	RELAY - LATCHING DPDT	1
41	96777	RELAY - BASE	1
42	96777-C1	CLIP KIT	1
43	121746-04	RELAY - BOSCH 12V	1
44	93253	WIRE - TERM. RING # 16 GA. (NOT SHOWN)	20
45	90554	WIRE - RING TERMINAL # 10	20
46	28Y52	TERMINAL - FEM. NON-INSUL. .250	30
47	93986	WIRE - # 8 TERM. # 10 POST (NOT SHOWN)	3
48	121538	WIRE - INSUL. FEM. CONN. (NOT SHOWN)	2
49	90553	WIRE - RING TERMINAL 1/4	2
50	93988	STUD - 10 AWG 5/16 (NOT SHOWN)	3

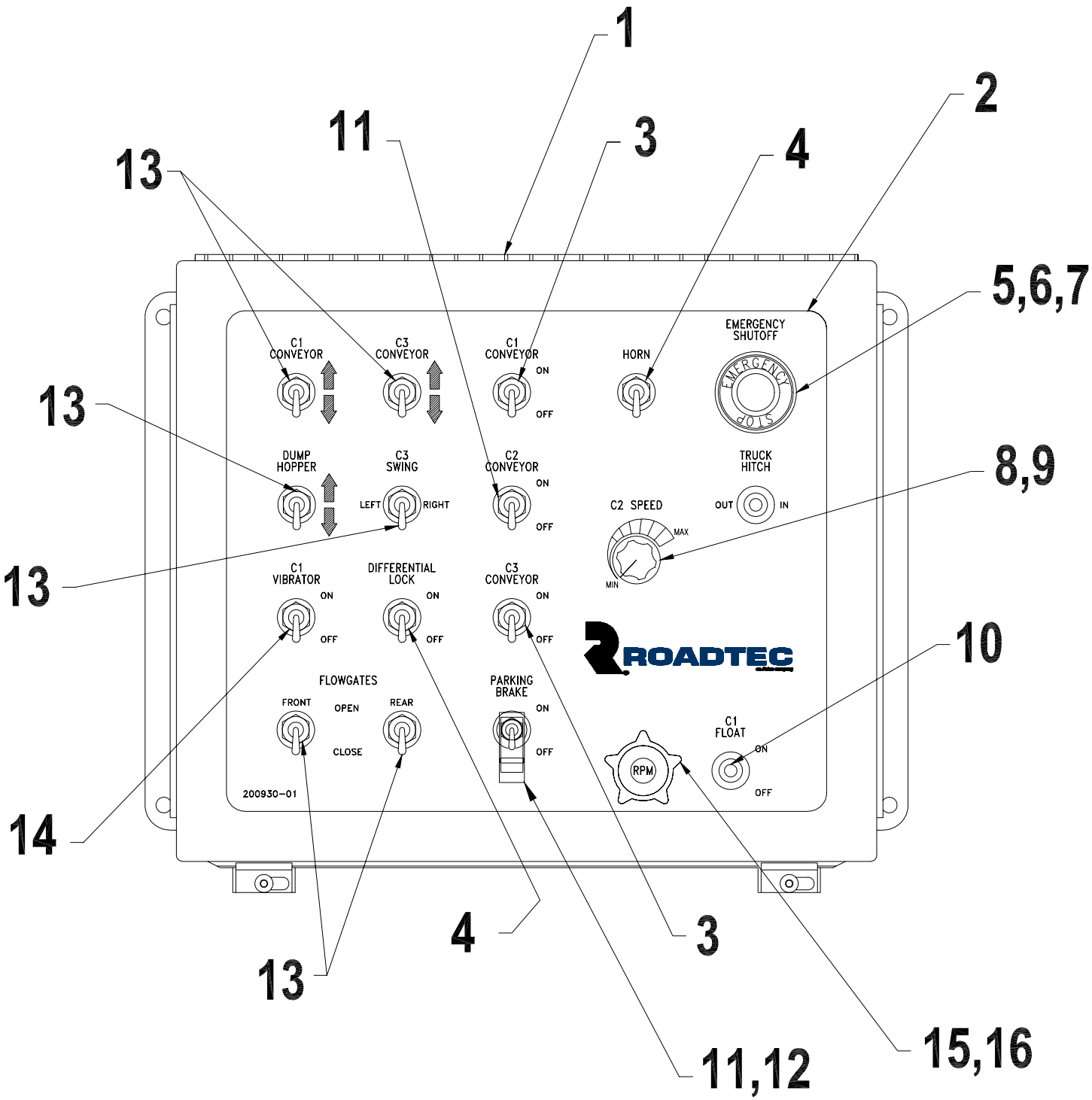
CENTER CONSOLE ELECTRICAL ASSEMBLY
(214274-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	128219	WIRE - RING TERMINAL	4
52	97735	WIRE - FEM. INSUL. SPADE TERMINAL	6
53	121539	MALE CONNECTOR (NOT SHOWN)	3
54	98319	WIRE - FEM. SPADE TERMINAL	10
55	83856-04	WIRE TIE - 3/16" X 4" NYLON	57
56	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	43
57	83657-04	WIRE TIE - 3/16" X 7" NYLON	12
58	O6996	SCREW - M3 - 0.5 X 20	3
59	O4762	NUT - M3 - 0.5	3
60	92554	FLAT WASHER - #6	3
61	131551	LOCK WASHER - #6	3
62	O1290	SCREW, SLOT HD. M4 X 10 X 84 mm	2
63	45092	NUT, LOCK VM4-0.7 / 890 BN 169	2
64	O1073	HEX BOLT - M6-1 X 70 (FOR ECM)	4
65	135807-04	SCREW 10 - 23 X 1"	12
66	90101	SCREW 10 - 23 X 3/4"	12
67	90102	NUT, HEX 10 - 32	12
68	92552	FLAT WASHER # 10	24
69	90103	LOCK WASHER # 10	12
70	96476	HEX BOLT - 3/8-16 X 1 1/4 (FOR ECM)	3
71	83757	FLAT WASHER - 3/8 (FOR ECM)	3
72	83065	LOCK WASHER - 3/8 (FOR ECM)	3
73	212815-04	DEUTSCH CAP - SIZE 16	1

STEERING BOX ELECTRICAL ASSEMBLY.

(214260-01)

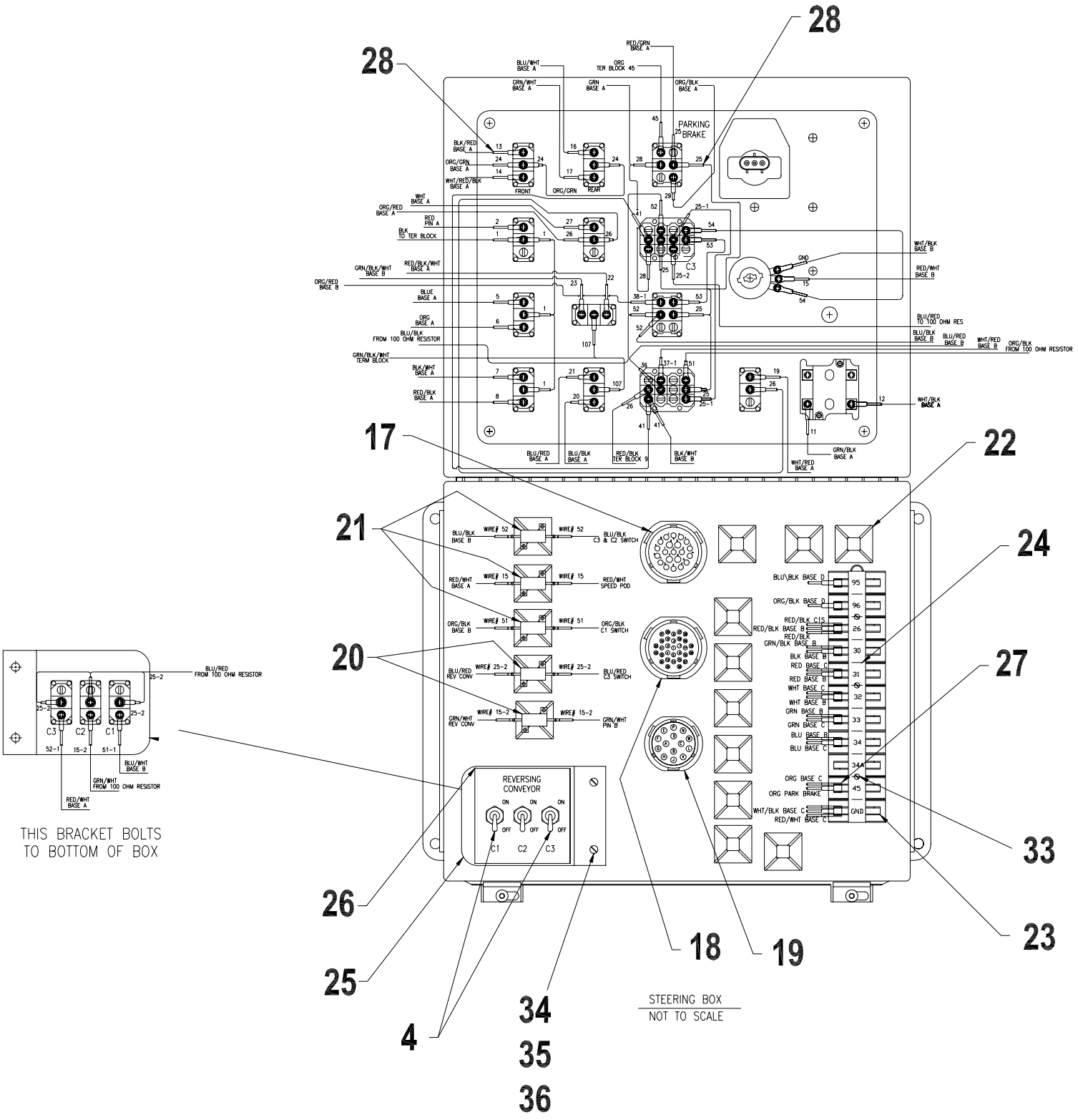
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STEERING BOX ELECTRICAL ASSEMBLY.

(214260-01)

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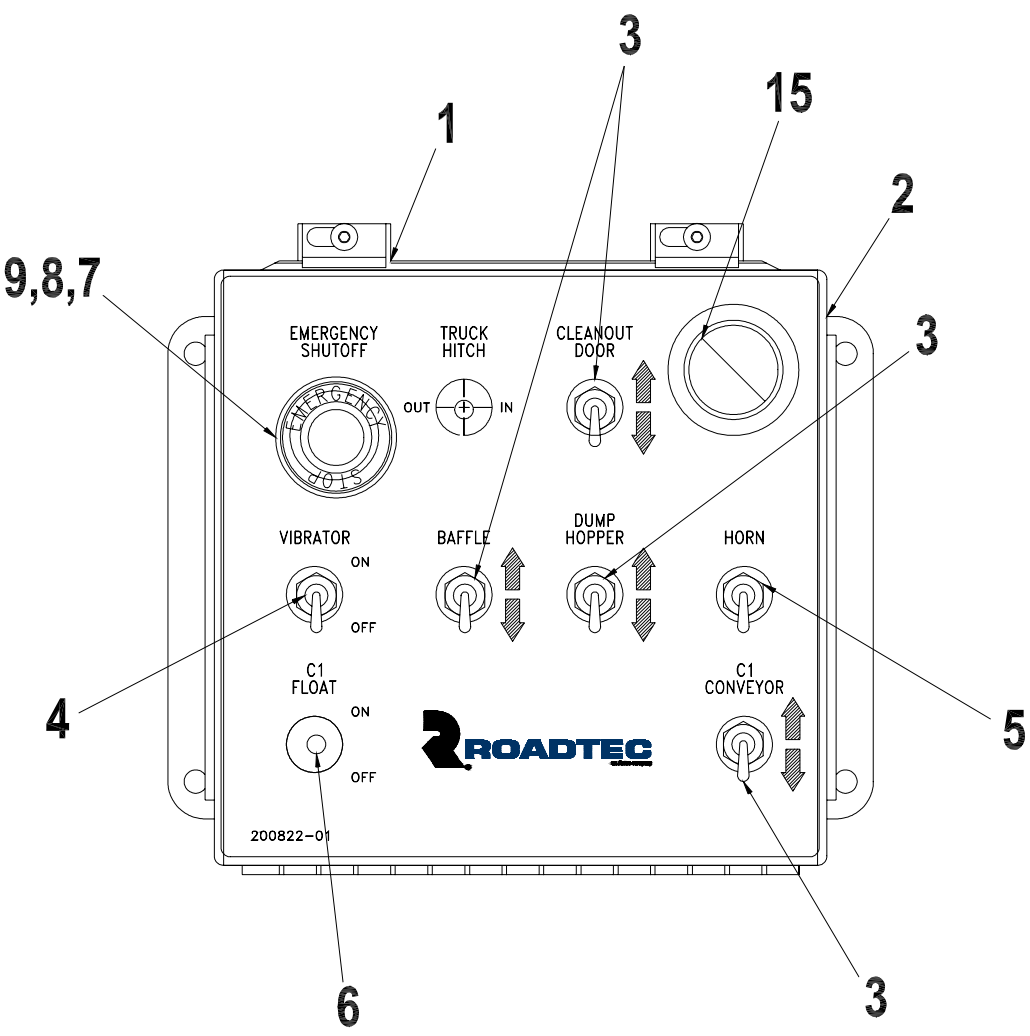
STEERING BOX ELECTRICAL ASSEMBLY
(214260-01)

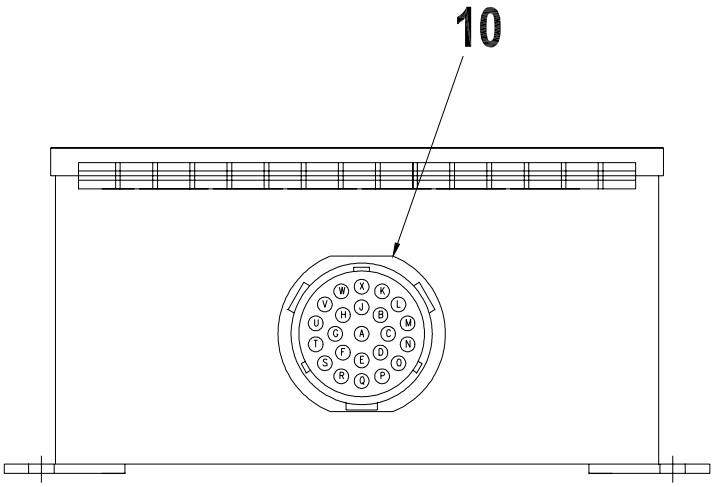
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214191-01	STEERING CONTROL BOX	1
2	214324-02	DATA PLATE - STEERING CONTROL BOX	1
3	20Z53	SELECTOR SWITCH	2
4	97542	TOGGLE SWITCH	5
5	93215-04	SWITCH - EMERGENCY STOP	1
6	93250-04	EMERGENCY STOP CONTACT BLOCK	1
7	93251-04-C3	EMERGENCY STOP BUTTON	1
8	130406	ROTARY POT 25 WATT 100 OHM	1
9	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
10	97944-04	HOLE PLUG - 1/2"	2
11	97678	TOGGLE SWITCH	2
12	97490-C1	SWITCH COVER	1
13	139471	TOGGLE SWITCH	6
14	13E68	TOGGLE SWITCH	1
15	149115-C1	ANALOG THROTTLE	1
16	214247-03	PIG TAIL - THROTTLE	1
17	214389-02	PIG TAIL - STEERING BOX CABLE 4-1	1
18	214388-02	PIG TAIL - STEERING BOX CABLE 4	1
19	214225-02	PIG TAIL - JOYSTICK	1
20	97621	RESISTOR - 100 OHM 10 WATT	2
21	120275	RESISTOR - 75 OHM 10 WATT	3
22	97976	ADHESIVE MOUNT	30
23	13C69	TERMINAL BLOCK	11
24	213723-04	DATA PLATE - ID STRIP	1
25	121388-02	BRACKET - OPERATOR CONSOLE	1
26	127431-04	DATA PLATE - REVERSING CONVEYOR	1
27	210432-04	CONNECTOR - AMP FEMALE 16 AWG	20
28	93253	RING TERMINAL - 16 AWG	61
29	121396	FEMALE TERMINAL	10
30	93988	RING TERMINAL - 5/16	1
31	83856-04	WIRE TIE - 3/16 X 4 NYLON	48
32	126976	WIRE TIE - 3/16 X 5 1/2 NYLON	44
33	135807-04	SLOT HD. SCREW - 10-32 X 1"	3
34	90101	SLOT HD. SCREW - 10-32 X 3/4"	2
35	90103	LOCK WASHER - #10	2
36	92552	FLAT WASHER - #10	4

L.H. C-1 CONTROL BOX ASSEMBLY.

(214262-01)

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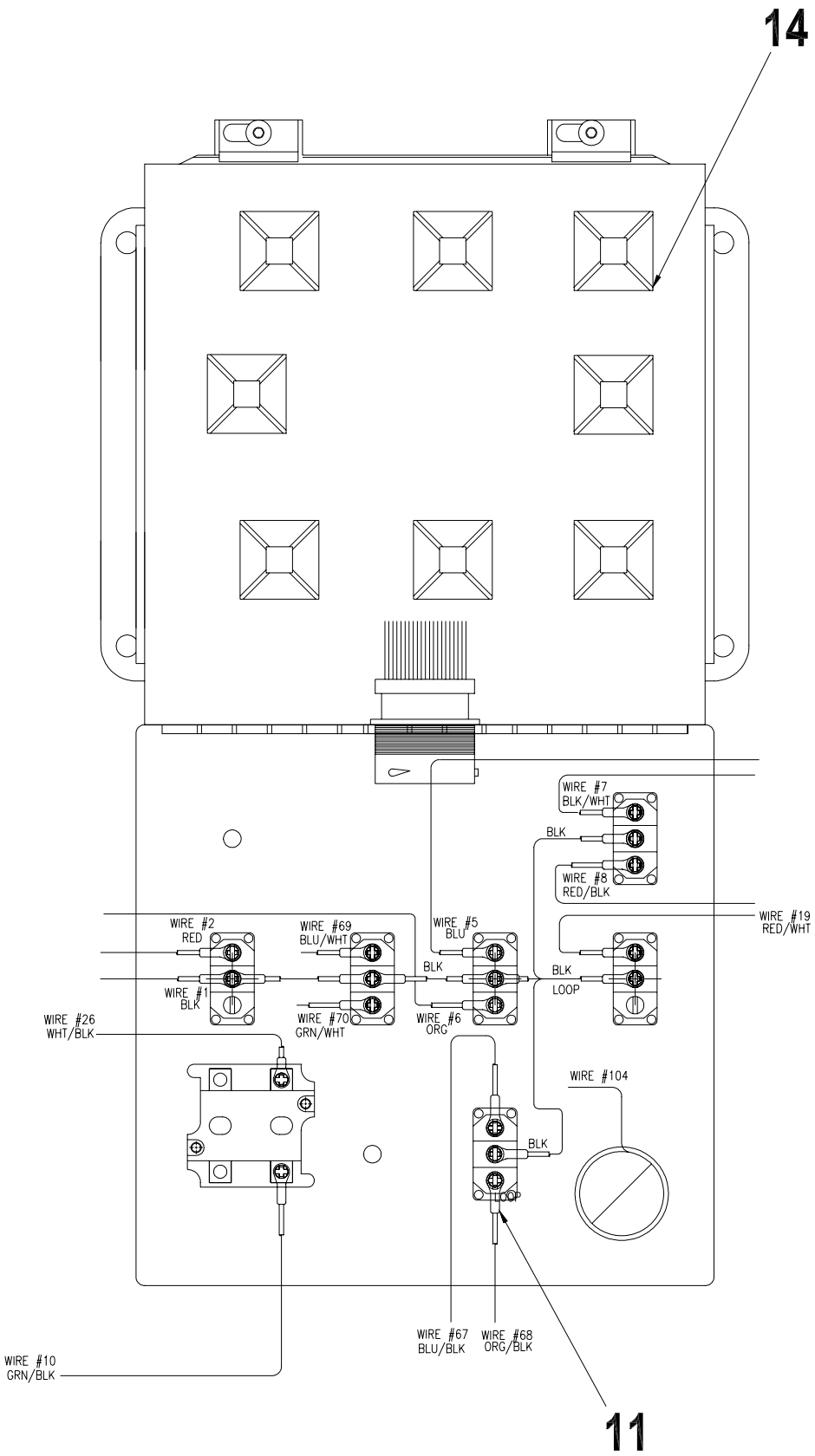




L.H. C-1 CONTROL BOX ASSEMBLY.

(214262-01)

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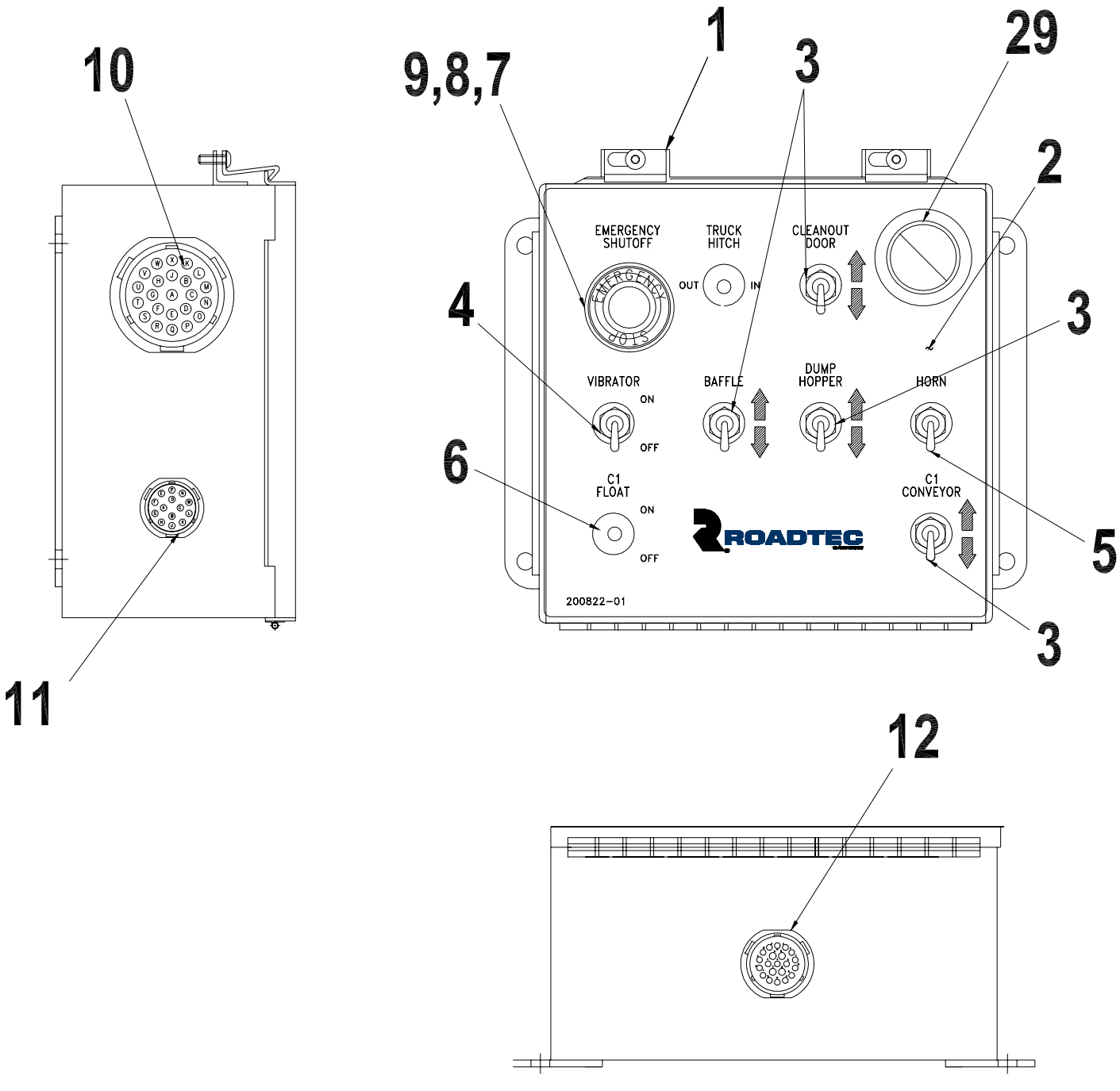
L.H. C-1 CONTROL BOX ASSEMBLY
(214262-01)

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

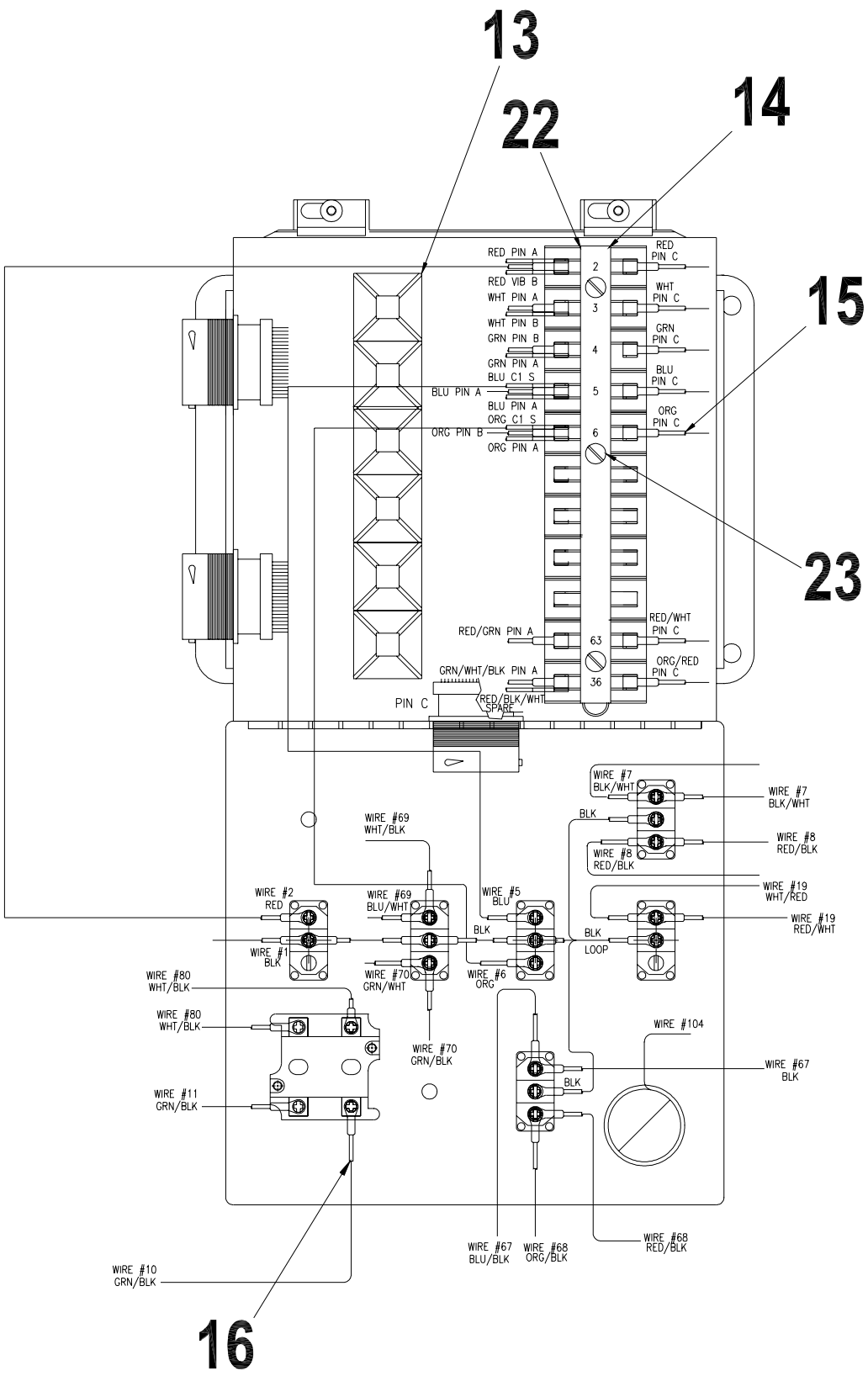
R.H. C-1 CONTROL BOX ASSEMBLY.

(214261-01)

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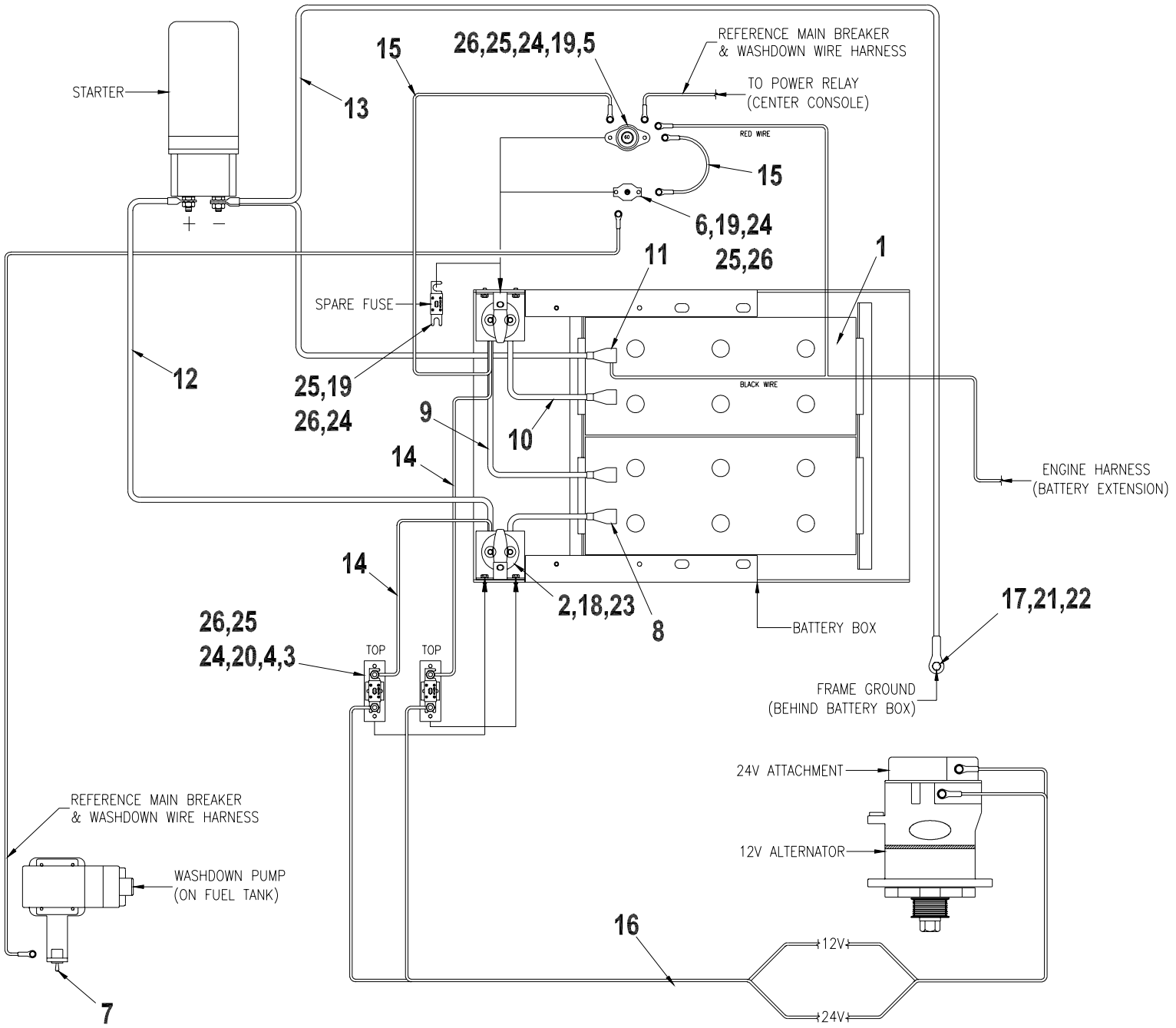


R.H. C-1 CONTROL BOX ASSEMBLY
(214261-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214193-01	RH C-1 CONTROL BOX	1
2	200822-01	DECAL - C-1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97542	TOGGLE SWITCH	1
6	97944-04	HOLE PLUG - 1/2"	2
7	93251-04	SWITCH - EMERGENCY STOP	1
8	93250-04	EMERGENCY STOP CONTACT BLOCK	1
9	93251-04-C3	EMERGENCY STOP BUTTON	1
10	214221-02	PIG TAIL - C-1 CONTROL BOX CROSSOVER	1
11	214223-02	PIG TAIL - C-1 VALVE MANIFOLD	1
12	214329-02	PIG TAIL - RH C-1 CONTROL BOX	1
13	97976	ADHESIVE MOUNT	12
14	13C69	ELEC - TERMINAL BLOCK	11
15	210432-04	CONNECTORS AMP FEMALE 16 AWG	20
16	93253	WIRE - TERMINAL RING 16 GA.	30
17	83856-04	WIRE TIE - 3/16" X 4" NYLON	40
18	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	15
19	38Z57	ELEC - TERMINAL FEMALE INSUL. SPADE	4
20	97735	ELEC - TERMINAL MALE INSUL. SPADE	4
21	143317-04	DOME LIGHT	1
22	149628-04	DATA PLATE - TERMINAL STRIP	1
23	135807-04	SLOT HD. SCREW - 10-32 X 1"	3

BATTERY / ISO SWITCH ASSEMBLY

(204281-03)

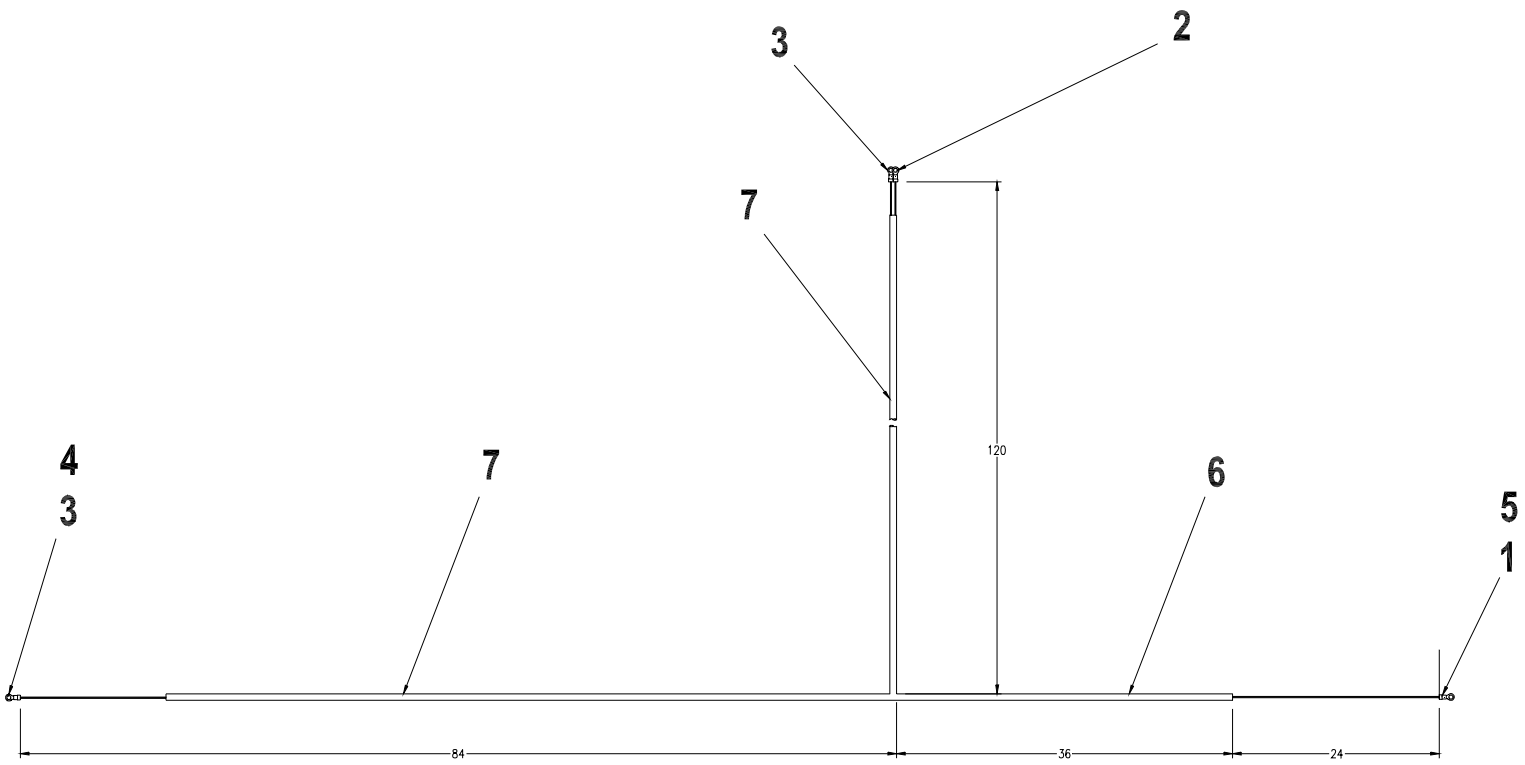


BATTERY / ISO SWITCH ASSEMBLY
(204281-03)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	11S35	BATTERY - WET CHARGED 4D - 12V	2
2	130644	SWITCH - BATTERY ISOLATION	2
3	146264-04	BASE - FUSIBLE 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	SWITCH - TOGGLE (ON/ OFF)	1
8	203703-04	CABLE - BATTERY (+) TO ISO SWITCH 24V	REF
9	146128-04	CABLE - BATTERY (-) TO ISO SWITCH	REF
10	146125-04	CABLE - BATTERY (+) TO ISO SWITCH 12V	REF
11	203707-04	CABLE - BATTERY(-) TO STARTER	REF
12	203708-04	CABLE - ISO SWITCH TO STARTER	REF
13	203709-04	CABLE - STARTER TO MACHINE GROUND	REF
14	146298-04	CABLE - FUSIBLE LINK TO ISO SWITCH	REF
15	146130-03	WIRE HARNESS - 60 AMP BREAKER	REF
16	146132-03	WIRE HARNESS - ALTERNATOR	REF
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	SLOT HD. SCREW - 10-32 X 1"	6
20	90101	SLOT HD. SCREW - 10-32 X 3/4"	4
21	83056	LOCK WASHER - 3/8" SPRING STEEL	1
22	139702-04	STAR WASHER - 3/8" I.D. / O.D.	1
23	83065	WASHER - 1/4-20 SPRING STEEL	4
24	92552	FLAT WASHER - #10 STEEL	22
25	90103	LOCK WASHER - #10	10
26	90102	HEX NUT - 10-32	12
27	138409-04	HOLE PLUG - 7/8" DIA	1
28	136784-04	SWITCH - TOGGLE (ON/ OFF/ON) DPDT	1
29	97490-C1	SWITCH - COVER	2

MAIN BREAKER & WASHDOWN HARNESS

(203487-01)

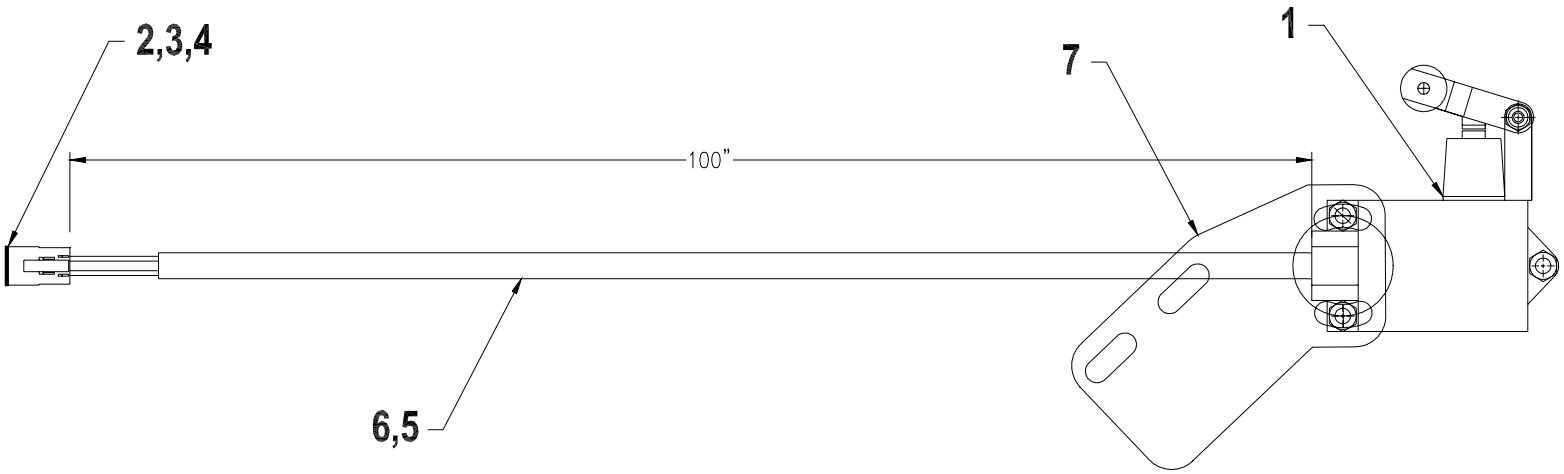


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93988	5/16 RING TERMINAL	1
2	128218	1/4 RING TERMINAL	1
3	93986	RING TERMINAL #10	2
4	95018	WIRE - 8 AWG BLACK	204"
5	95018	WIRE - 8 AWG RED	180"
6	95021	SPLIT LOOM - 1/4"	60"
7	95799	SPLIT LOOM - 3/8"	204"

ASSY. 203487-01 REV. 4/17/03

C-2 CLEAN-OUT DOOR LIMIT SWITCH & PIG TAIL

(214279-03)



2 PIN LAYOUT (H)

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

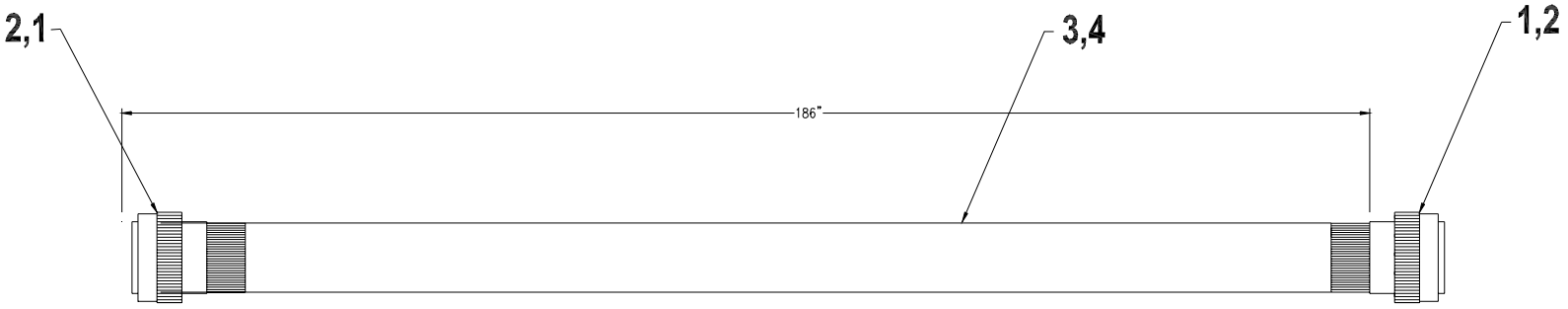
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	92023-04	LIMIT SWITCH RIGHT HAND	1
2	206399-04	DEUTSCH 2 PIN PLUG	1
3	133746-04	DEUTSCH SOCKETS 16 AWG	2
4	206402-04	DEUTSCH LOCKING WEDGE	1
5	84316-04	WIRE - 2 CONDUCTOR 16 AWG	104"
6	95021	SPLIT LOOM - 1/4"	94"
7	148168-04	LIMIT SWITCH BRACKET C-2 CLEAN OUT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

ASSY. 214279-03 REV. 9/05

ROADTEC an Astec company

C-1 CONTROL BOX CROSSOVER HARNESS

(214222-02)



23 PIN LAY–OUT DETAIL

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

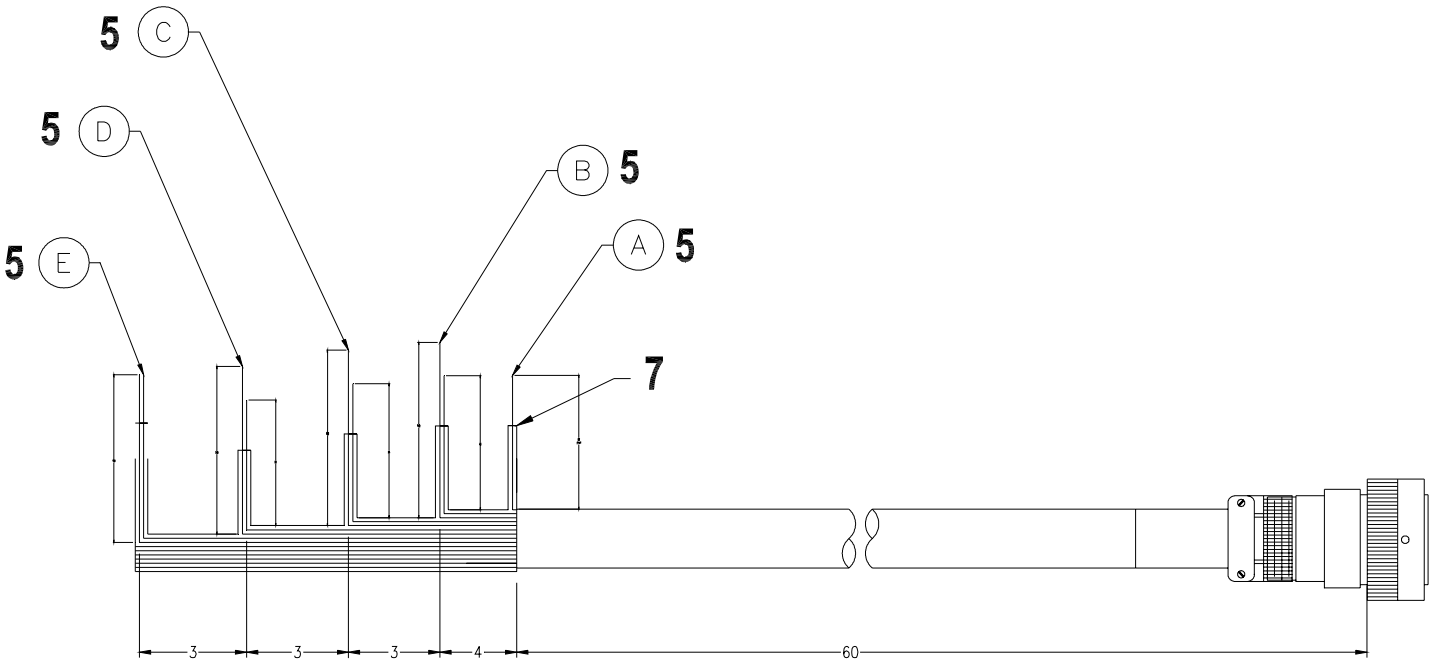
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211953-04	DEUTSCH 23 PIN PLUG W/ CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	38
3	133741-01	DEUTSCH SEALING PLUG	8
4	84320-04	WIRE 16 AWG 19 CONDUCTOR	186"
5	98298	SPLIT LOOM - 1"	186"

ASSY. 214222-02 REV. 9/05

ROADTEC an Astec company

C-1 VALVE STACK HARNESS

(214224-02)



14 PIN KEY

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BLACK	2	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	VIBRATOR
B	WHITE/BLACK (8" LG)	69	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	BAFFLE
	GREEN/BLACK (10" LG)	70	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	BAFFLE
C	BLUE/BLACK (10" LG)	67	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	CLEAN OUT
	RED/BLACK (8" LG)	68	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	CLEAN OUT
D	BLUE (10" LG)	5	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
	ORANGE (8" LG)	6	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
E	WHITE	3	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	TRUCK HITCH
	GREEN	4	1	210432-04	TERMINAL ~ FEMALE NON INSULATE	TRUCK HITCH
	BLACK/WHITE	66				SLUG
	RED/WHITE	65				SLUG

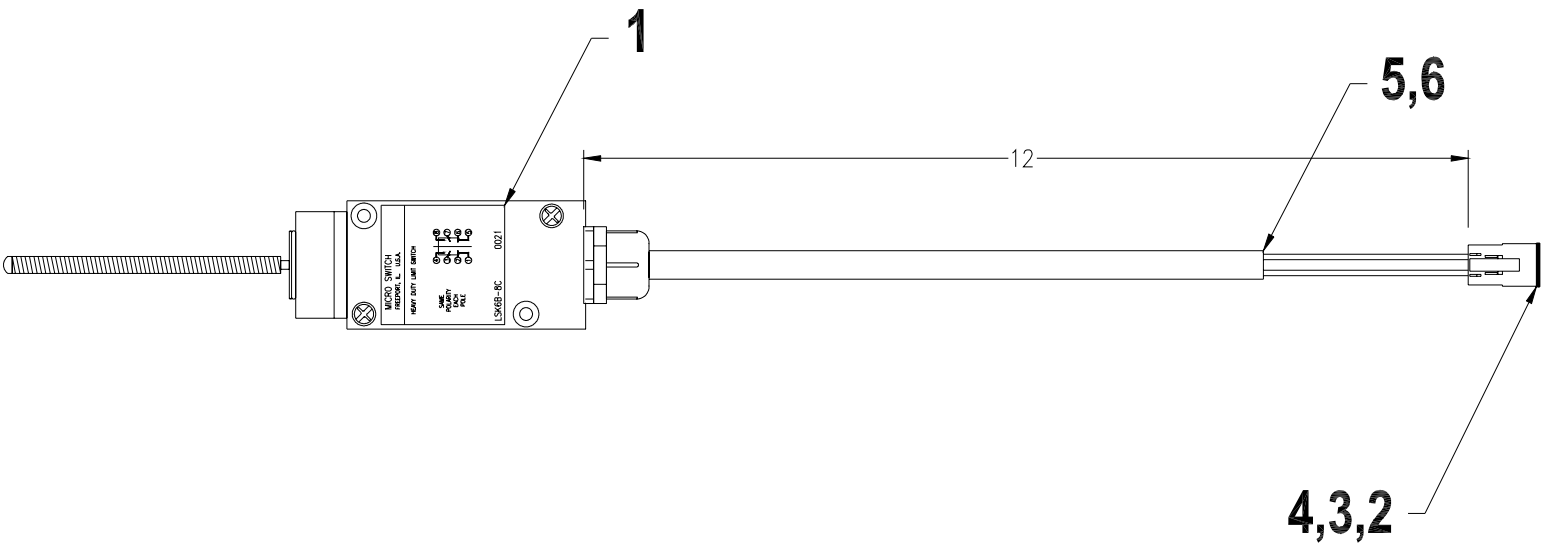
14 PIN LAY-OUT DETAIL

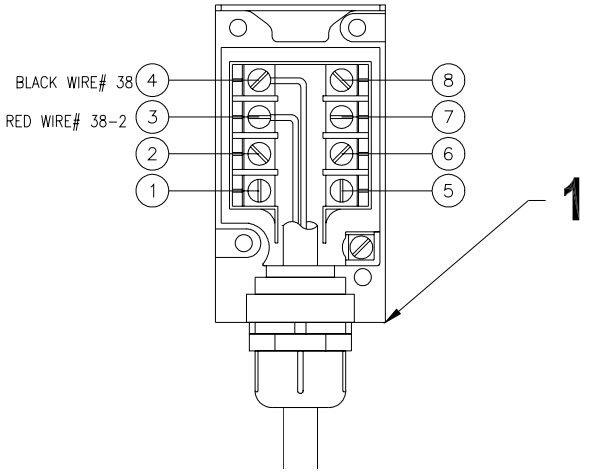
PIN	COLOR	WIRE #
A	GREEN	4
B	RED	
C	WHITE	3
D	BLACK	2
E	WHITE/BLACK	69
F	ORANGE	6
G	BLUE	5
H	BLUE/WHITE	
J	RED/WHITE	65
K	BLACK/WHITE	66
L	BLUE/BLACK	67
M	ORANGE/BLACK	
N	GREEN/BLACK	70
P	RED/BLACK	68

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211945-04	DEUTSCH 14 PIN REVERSE PLUG W/ CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	11
3	121103	WIRE 16 AWG 14 CONDUCTOR	83"
4	35Z65	SPLIT LOOM - 3/4"	73"
5	210432-04	AMP CONNECTOR 16 AWG	11

LIMIT SWITCH W/ WOBBLE LEVER

(214282-03)





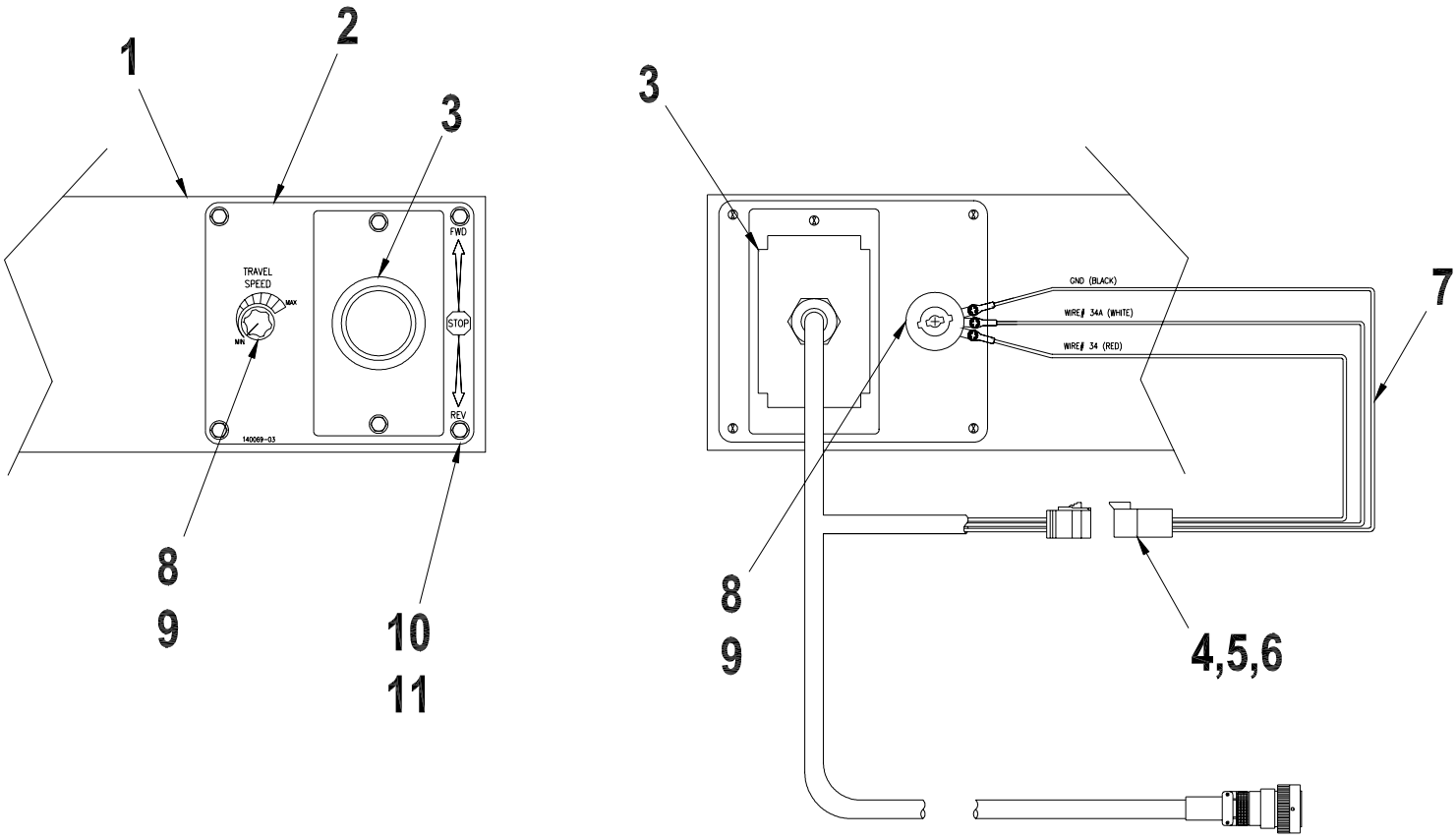
2 PIN LAYOUT

KEY	COLOR	WIRE #	LIMIT SWITCH #
1	RED	38-2	3
2	BLACK	38	4

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145215-04	LIMIT SWITCH W/ WOBBLE LEVER (DPDT)	1
2	206399-04	DEUTSCH 2 PIN PLUG	1
3	133746-04	DEUTSCH SOCKETS 16 AWG	2
4	206402-04	DEUTSCH LOCKING WEDGE	1
5	84316-04	WIRE - 2 CONDUCTOR 16 AWG	12"
6	95021	SPLIT LOOM - 1/4"	8"

ASSY. 214282-03 REV. 9/05

OPERATOR DRIVE CONSOLE
(214227-03)



3 PIN DEUTSCH

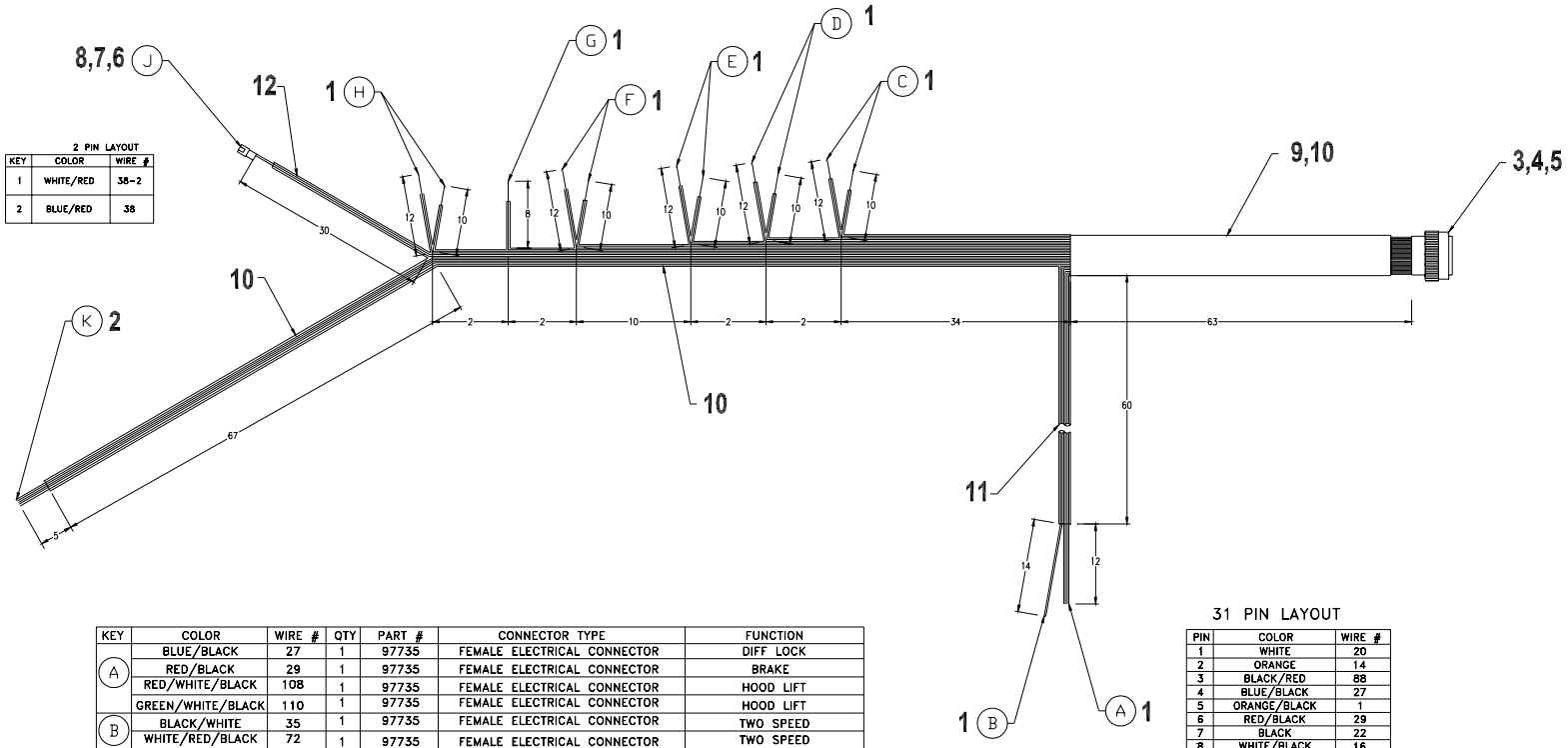
PIN	COLOR	WIRE #
A	RED	34
B	BLACK	GND
C	WHITE	34A

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1		OPERATOR MAIN CONSOLE WLDMT.	REF
2	200985-03	DECAL - OPERATOR DRIVE CONSOLE BOX	1
3	214226-02	JOYSTICK & WIRE HARNESS	1
4	201910	DEUTSCH - 3 PIN RECEPTACLE	1
5	133746-04	DEUTSCH 16 AWG PINS	3
6	202095	DEUTSCH LOCKING WEDGE	1
7	84319-04	WIRE - 3 CONDUCTOR	12"
8	130406	ROTARY POT 25 WATT 100 OHM	1
9	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
10	133842	HEX HD. SELF-DRILLING SCREWS - 1/4-20 X 3/4"	6
11	84444	FLAT WASHER - 1/4"	6

ASSY. 214227-03 REV. 9/05

HARNESS - VALVE STACK

(204209-01)



2 PIN LAYOUT

KEY	COLOR	WIRE #
1	WHITE/RED	38-2
2	BLUE/RED	38

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BLUE/BLACK	27	1	97735	FEMALE ELECTRICAL CONNECTOR	DIFF LOCK
	RED/BLACK	29	1	97735	FEMALE ELECTRICAL CONNECTOR	BRAKE
	RED/WHITE/BLACK	108	1	97735	FEMALE ELECTRICAL CONNECTOR	HOOD LIFT
	GREEN/WHITE/BLACK	110	1	97735	FEMALE ELECTRICAL CONNECTOR	HOOD LIFT
B	BLACK/WHITE	35	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
	WHITE/RED/BLACK	72	1	97735	FEMALE ELECTRICAL CONNECTOR	TWO SPEED
C	BLUE/WHITE (12)	88	1	97735	FEMALE ELECTRICAL CONNECTOR	VALVE
	GREEN/WHITE (10)	89	1	97735	FEMALE ELECTRICAL CONNECTOR	VALVE
D	WHITE (12)	20	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
	GREEN (10)	21	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
E	BLACK (12)	22	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
	RED (10)	23	1	97735	FEMALE ELECTRICAL CONNECTOR	LIFT & SWING
F	WHITE/BLACK (12)	16	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
	GREEN/BLACK (10)	17	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
G	RED/WHITE	18	1	97735	FEMALE ELECTRICAL CONNECTOR	GENERATOR VALVE
H	BLUE (12)	13	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
	ORANGE (10)	14	1	97735	FEMALE ELECTRICAL CONNECTOR	FLOW GATE
J	WHITE/RED	38-2	1	206395-04	DEUTSCH 2 PIN RECEPTACLE	LIMIT SWITCH
	BLUE/RED	38	1	209401-04	DEUTSCH WEDGE LOCK	
			2	137176-04	DEUTSCH 16 AWG PINS	
K	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

31 PIN LAYOUT

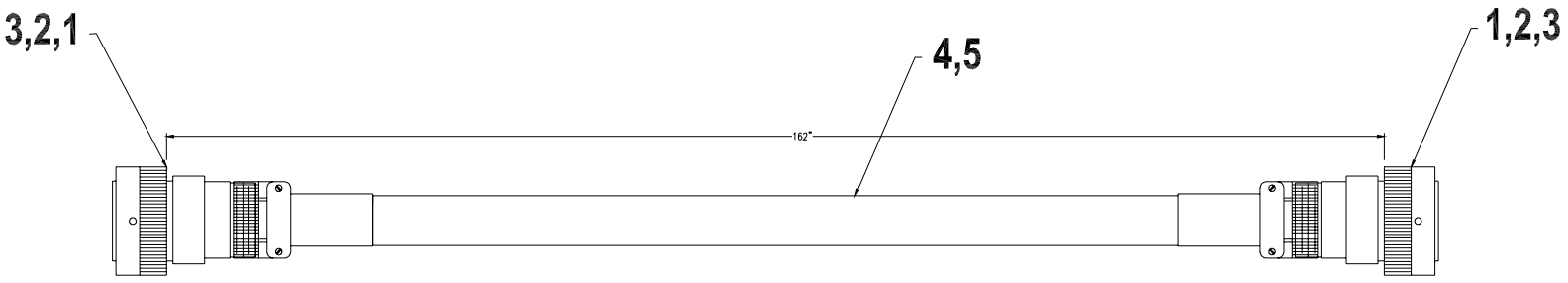
PIN	COLOR	WIRE #
1	WHITE	20
2	ORANGE	14
3	BLACK/RED	88
4	BLUE/BLACK	27
5	ORANGE/BLACK	1
6	RED/BLACK	29
7	BLACK	22
8	WHITE/BLACK	16
9	RED	23
10	BLUE	13
11	ORANGE/RED	89
12	GREEN	21
13	WHITE/RED	38-2
14	BLUE/WHITE	88
15	GREEN/WHITE	89
16	RED/WHITE	18
17	BLACK/WHITE	35
18	GREEN/BLACK	17
19	RED/BLACK/WHITE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

HARNESS - VALVE STACK
(204209-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97735	ELECTRICAL FEMALE PLUG	17
2	90990-04	RING TERMINAL 16 AWG	5
3	211959-04	DEUTSCH - 31 PIN REVERSING PLUG	1
4	133746-04	DEUTSCH - 16 AWG SOCKETS	25
5	133741-04	DEUTSCH - SEALING PLUG	6
6	137176-04	DEUTSCH - 16 AWG PIN	2
7	206398-04	DEUTSCH - 2 PIN RECEPTACLE	1
8	209401-04	DEUTSCH - WEDGE LOCK	1
9	86624-03	25 CONDUCTOR - 16 AWG	187"
10	98298	SPLIT LOOM - 1"	115"
11	123097	SPLIT LOOM - 5/8"	144"
12	95021	SPLIT LOOM - 1/4"	128"

HARNESS - R.H. C-1 CONTROL BOX

(214220-01)



21 PIN "A" LAY-OUT DETAIL

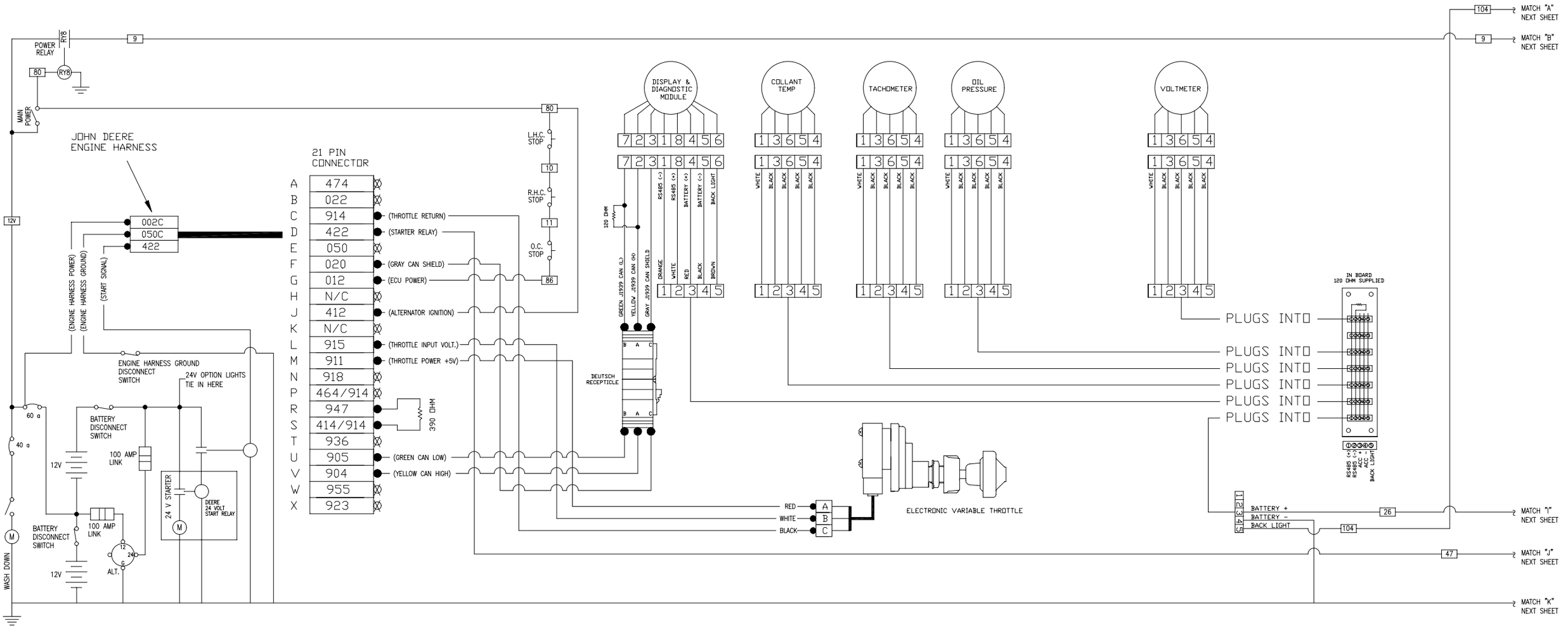
	PIN	COLOR	WIRE #
	A	WHITE	3
*	B		
	C	BLACK/WHITE	19
*	D		
*	E		
	F	BLACK	GND
*	G		
	H	WHITE/BLACK	80
	J	RED	1
	K	BLUE	5
	L	ORANGE/BLACK	104
	M	GREEN	4
	N	BLUE/BLACK	2
	P	GREEN/WHITE	11
	R	ORANGE	6
	S	GREEN/BLACK	63
	T	RED/BLACK	8
	U		
	V		
	W	BLUE/WHITE	7
	X	RED/WHITE	36

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

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211949-04	DEUTSCH 21 PIN REVERSE PLUG W/ CLAMP	2
2	137176-04	DEUTSCH 16 AWG PINS	30
3	133741-04	SEALING PLUG	12
4	121103	WIRE 16 AWG 15 CONDUCTOR	162"
5	35Z65	SPLIT LOOM - 3/4"	162"

ASSY. 214220-01 REV. 9/05

ROADTEC an Astec company



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 203522-01

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

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

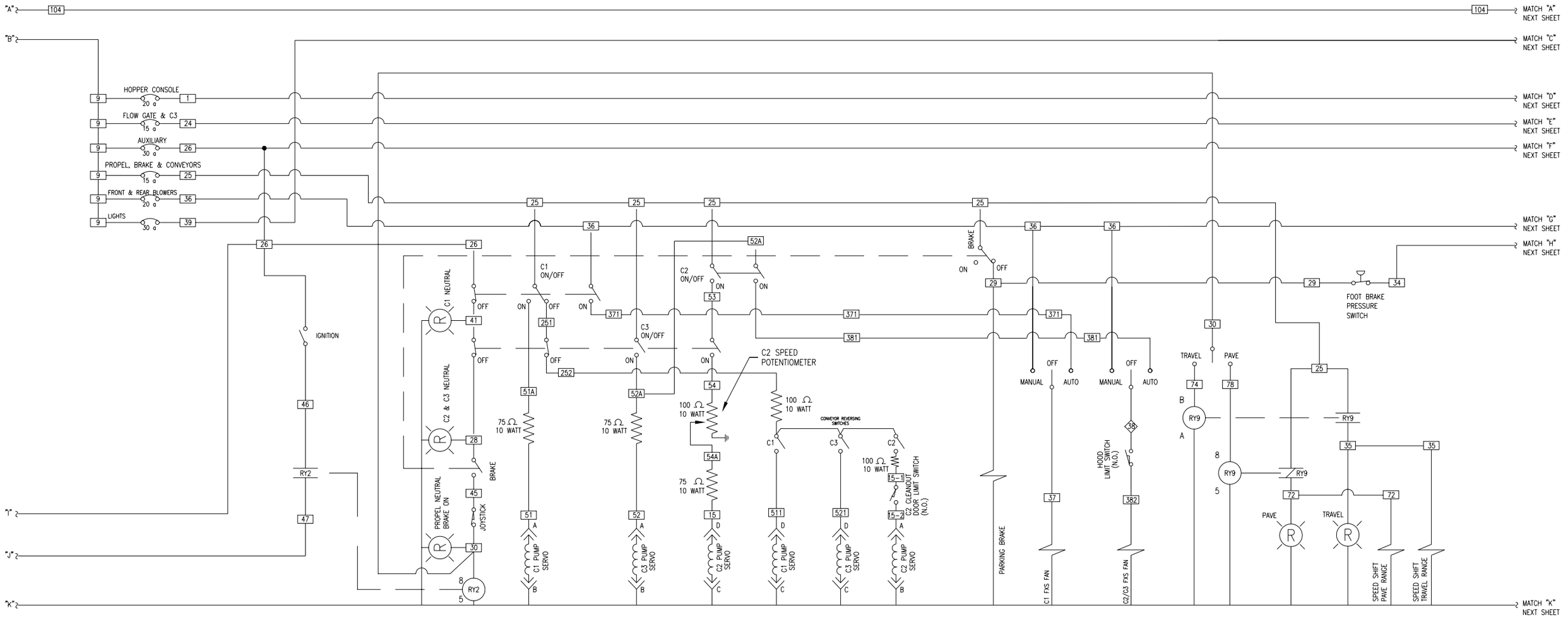
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C

1 REQ'D PER SB2500C | SHEET NO 1 OF 4 | FAB CODE 603 | EFFECTIVE S/N 808

DRAWN BY JHB | CHECKED BY | DWG NO 214296-01 | REV. 0

SCALE 1=1 | DATE 9-13-05



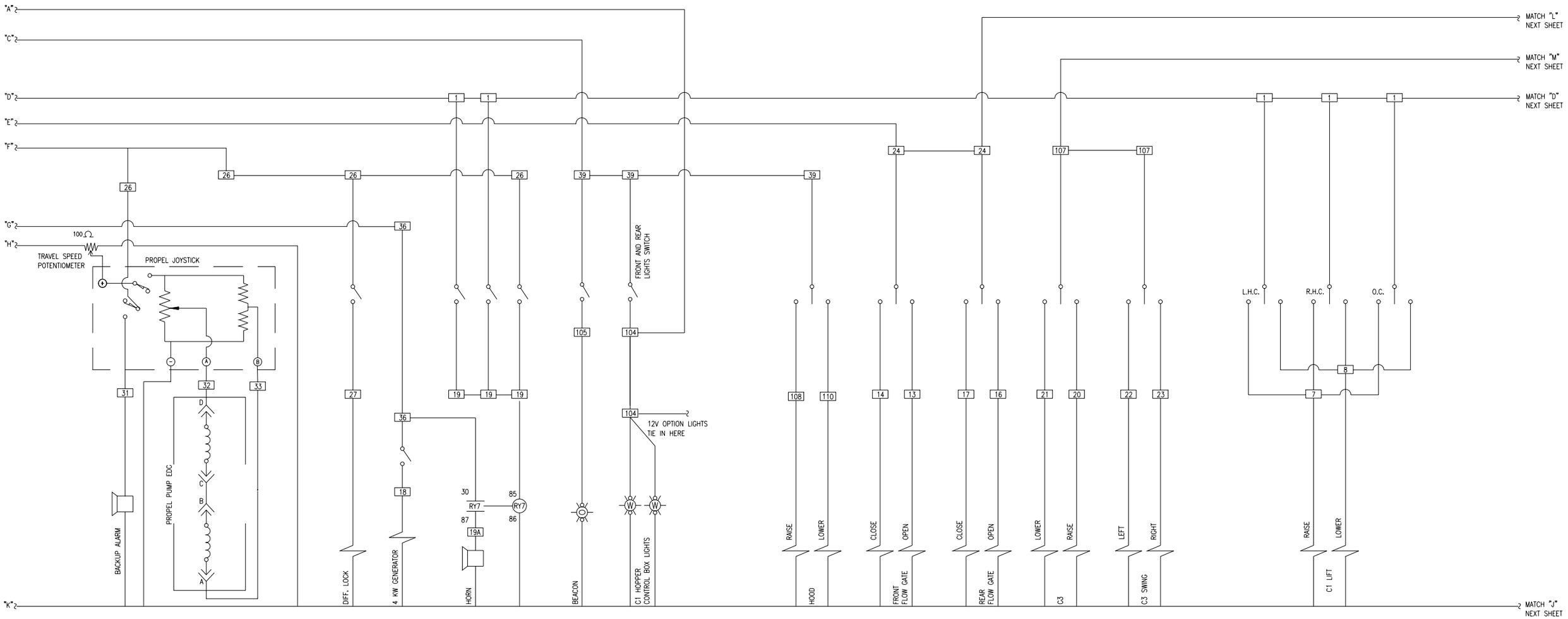
all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

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

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C

1 REQ'D PER SB2500C	SHEET NO 2 OF 4	FAB CODE 603	EFFECTIVE S/N 808
DRAWN BY JHB / CHECKED BY	DWG NO 214296-01		REV. 0
SCALE 1=1	DATE 9-13-05		



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

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

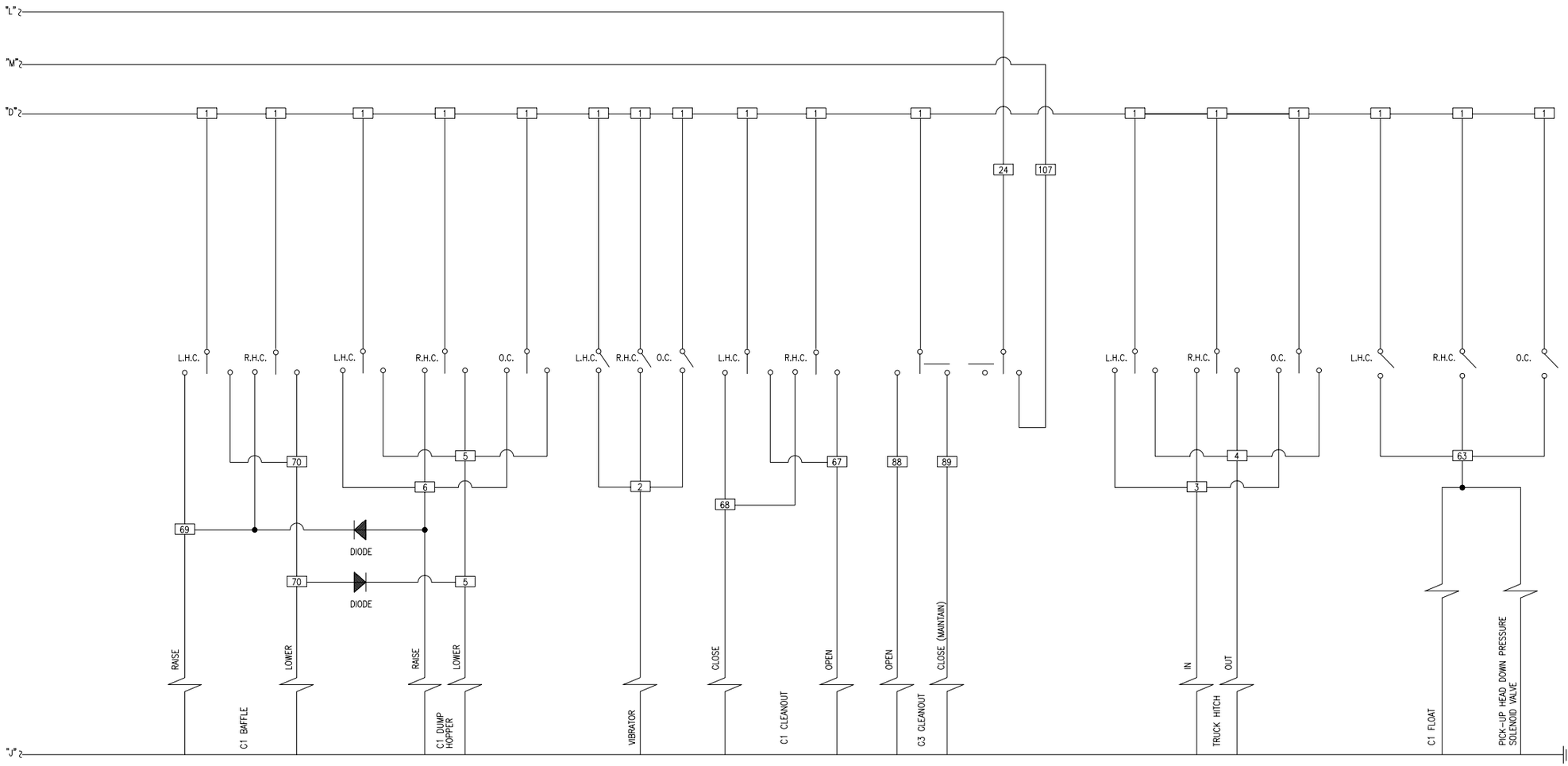
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C

1 REQ'D PER SB2500C | SHEET NO 3 OF 4 | FAB CODE 603 | EFFECTIVE S/N 808

DRAWN BY JHB | CHECKED BY | DWG NO 214296-01 | REV. 0

SCALE 1=1 | DATE 9-13-05



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

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

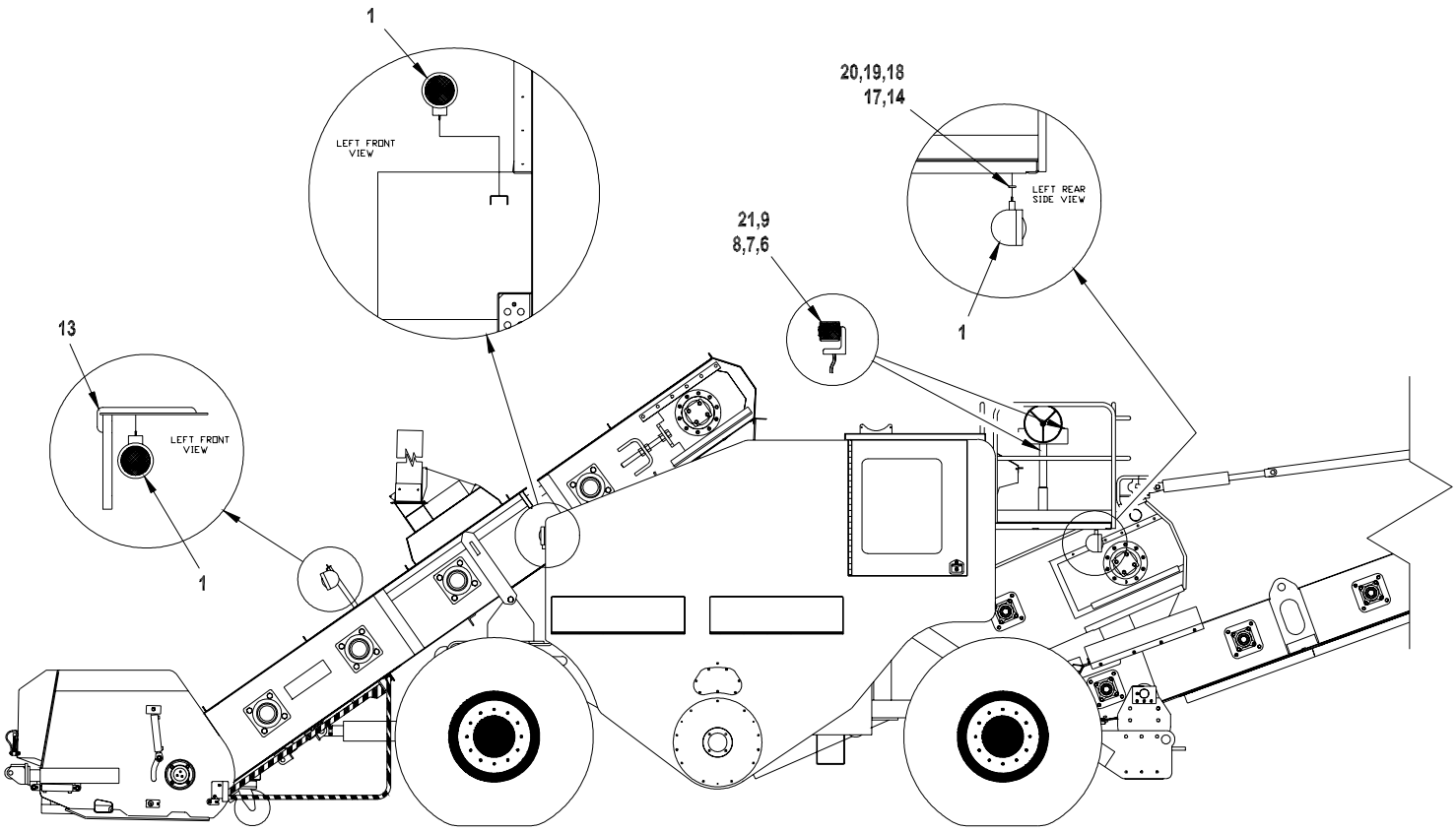
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C			
1 REQ'D PER SB2500C	SHEET NO: 4 OF 4	FAB CODE: 603	EFFECTIVE S/N: 808
DRAWN BY: JHB	CHECKED BY:	DWG NO: 214296-01	REV: 0
SCALE: 1=1	DATE: 9-13-05		

SECTION 6 : OPTIONAL EQUIPMENT

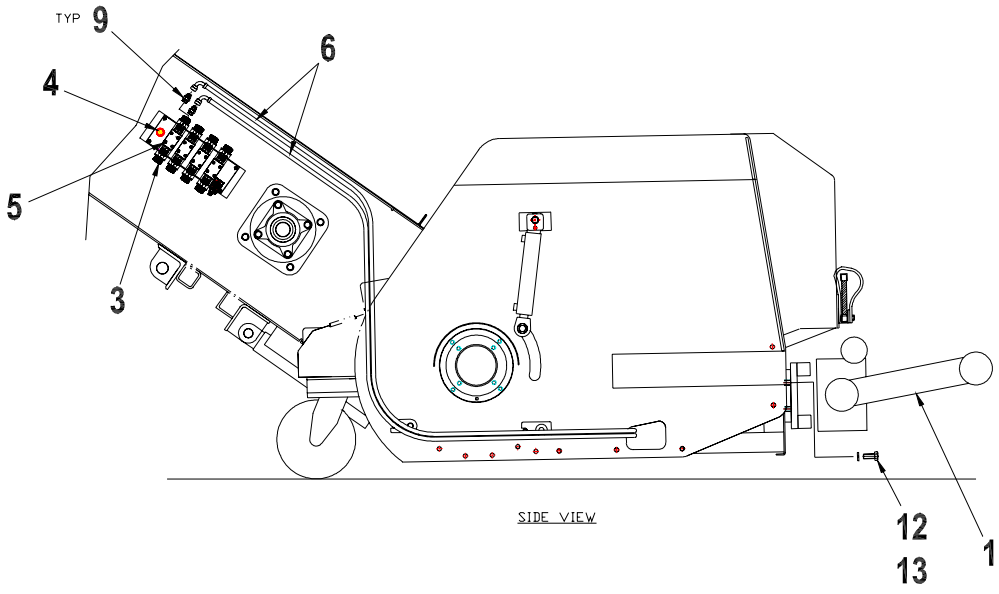
ASSEMBLY	PART NO.	S/N	PAGE NO.
12 VDC. WORKING LIGHTS	201880-01	640 & UP	6.1
TRUCK HITCH	201853-01		6.3
4kw-120v GENERATOR	205220-01		6.5
GENSET OUTLET EXT'N.	148267-03		6.8
STORAGE CABINET	211338-01		6.9
WINDROW	212471-01	780 & UP	6.11
WINDROW PIVOT	200855-01		6.15
ELECTRICAL	203236-01		6.17
HYDRAULIC	212043-01		6.19
C-1 HOPPER CNTL.	210246-02		6.23
C-1 RAISE/LOWER MANIFOLD	212045-03		6.24

12 VDC. WORKING LIGHTS OPTION
(201880-01)

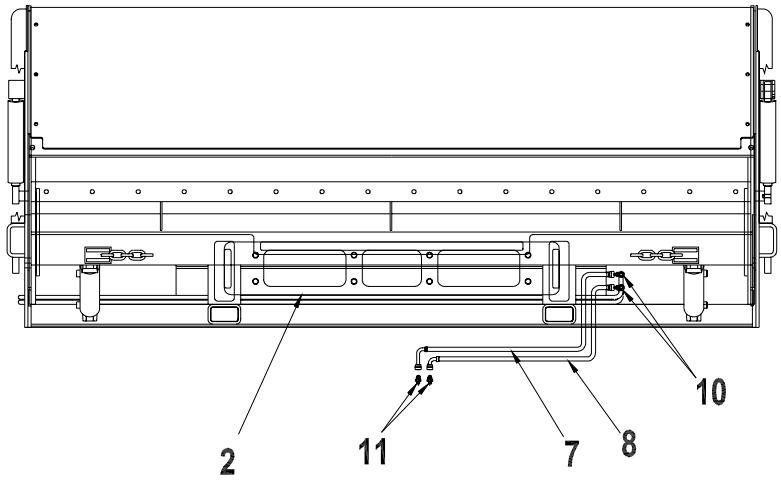


12 VDC. WORKING LIGHTS OPTION
(201880-01)

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

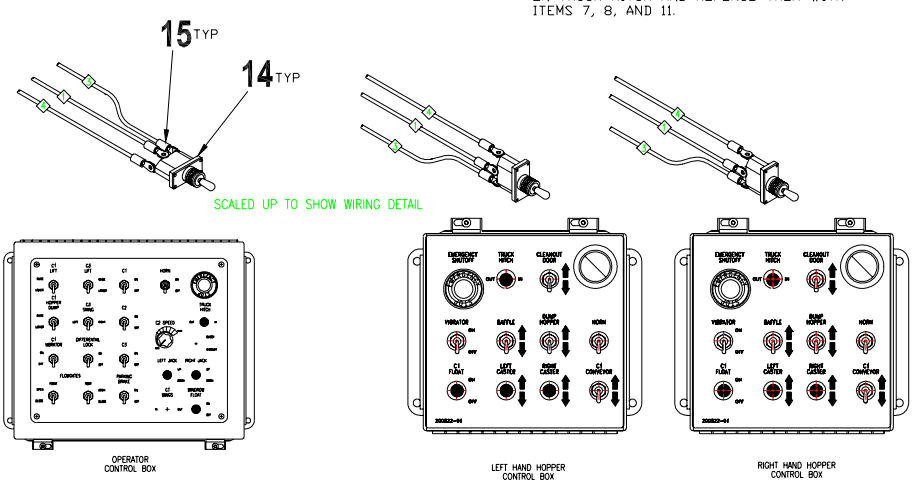


SIDE VIEW



FRONT VIEW
TRUCK HITCH NOT SHOWN

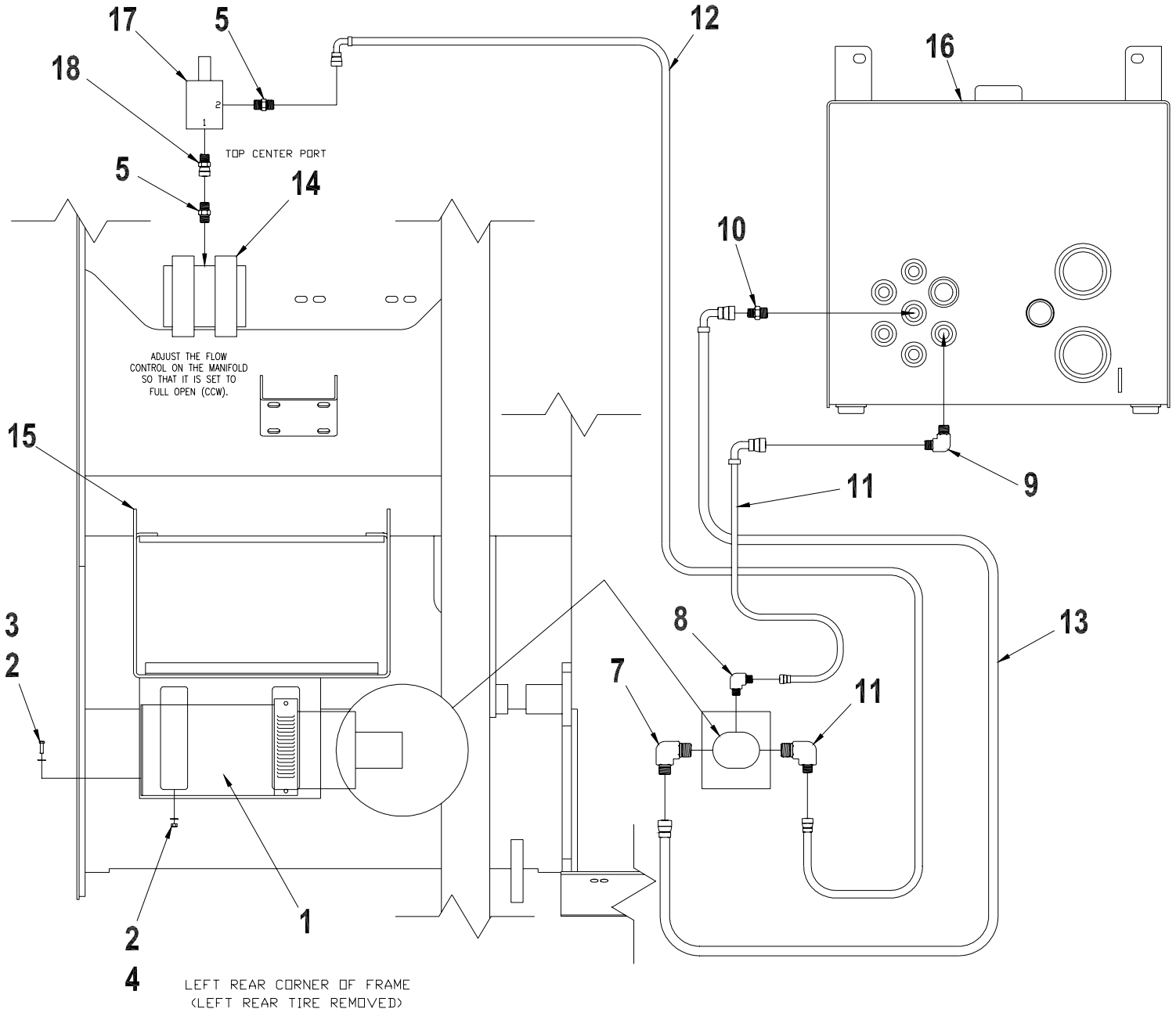
REMOVE EXISTING HOSES AND FITTINGS ON TRUCK HITCH AND REPLACE THEM WITH ITEMS 7, 8, AND 11.



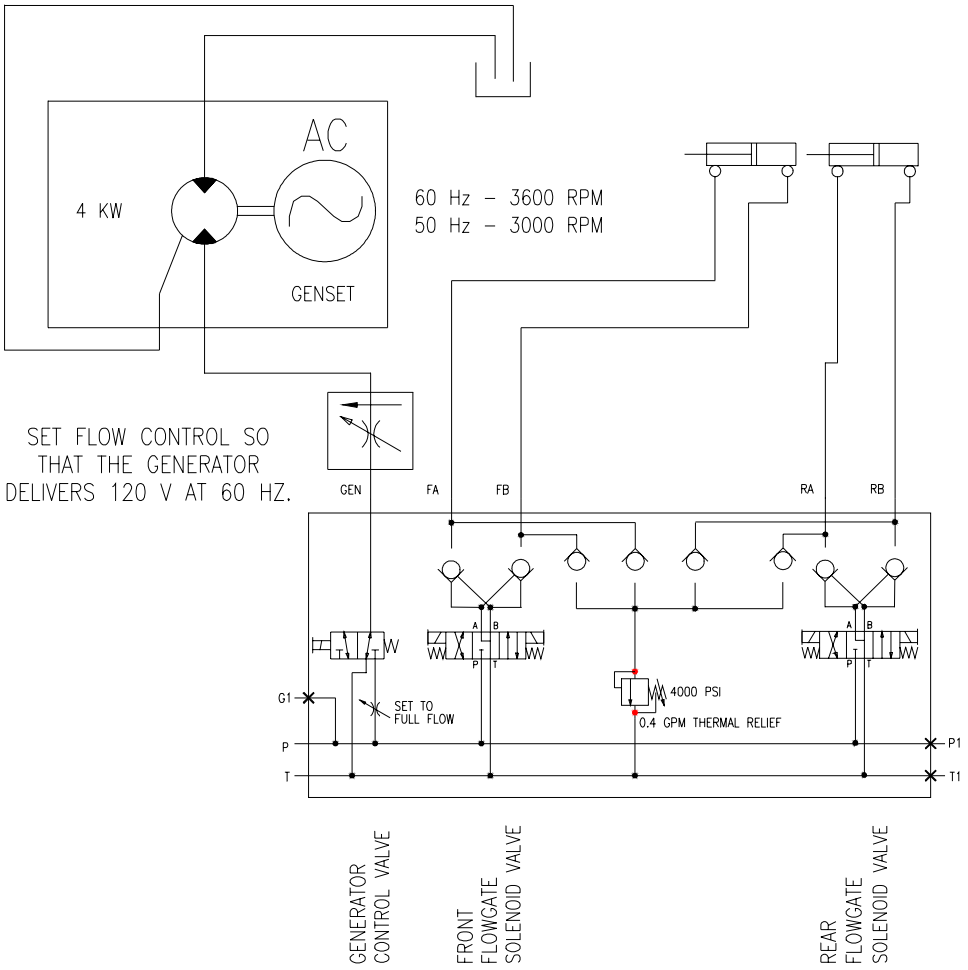
TRUCK HITCH OPTION
(201853-01)

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

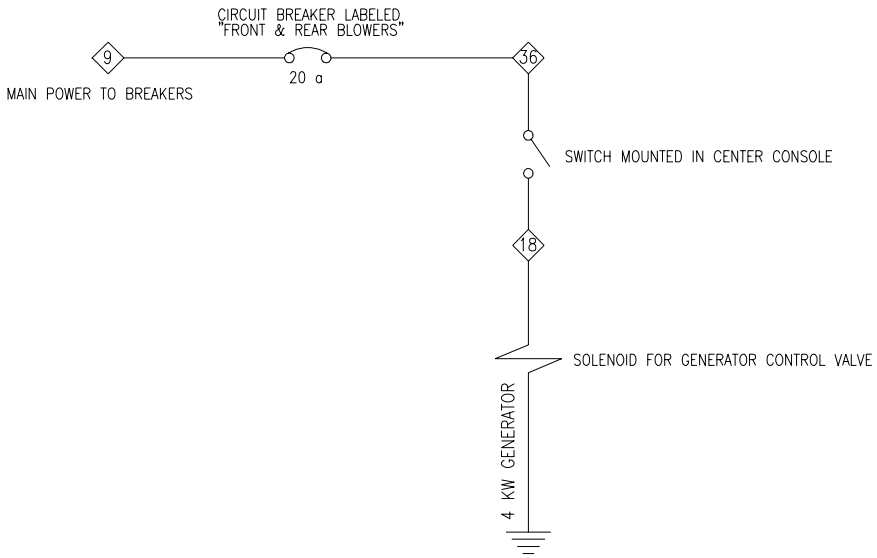
NEXT PAGE


17
5
12
18
16
TOP CENTER PORT
5
14
10
ADJUST THE FLOW CONTROL ON THE MANIFOLD SO THAT IT IS SET TO FULL OPEN (CCW).
15
11
9
3
2
8
13
7
11
2
1
4
LEFT REAR CORNER OF FRAME
(LEFT REAR TIRE REMOVED)

PREVIOUS PAG



HYDRAULIC SCHEMATIC



ELECTRICAL SCHEMATIC

4kw-120V. GENERATOR (PRESS. COMP.)
(205220-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	135308-04	GENERATOR - 4KW-120VAC W/O FLOW CONTROL	1
2	15C82	BOLT - 5/16-18 X 1 1/4" STEEL	4
3	90871	FLAT WASHER - 5/16" STEEL	8
4	90875	LOCKNUT - 5/16-18	4
5	83469-04	FIT - 8 SAE X 6 JIC ST	2
6	92987	FIT - 10 SAE X 6 JIC 90 DEG.	1
7	123831	FIT - 10 SAE X 8 JIC 90 DEG.	1
8	83743-04	FIT - 4 SAE X 4 JIC 90 DEG.	1
9	120672	FIT - 3/4" NPT X 6 JIC 90 DEG.	1
10	83962-04	FIT - 3/4" NPT X 8 JIC ST	1
11	131121	HOSE ASSY. - 1/4" STD X 92" (4-4 ST X 4-6 90 DEG.)	1
12	126910	HOSE ASSY. - 3/8" STD X 86" (6-6 ST X 6-6 90 DEG.)	1
13	134510	HOSE ASSY. - 1/2" STD X 91" (8-8 ST X 8-8 90 DEG.)	1
14	146252-03	VALVE - FLOWGATE GENERATOR MANIFOLD	REF
15	200183-01	BATTERY BOX WLDMT.	REF
16	200204-01	HYDRAULIC TANK WLDMT.	REF
17	133337-04	VALVE - FLOW CONTROL, 0-12 GPM, P. COMP.	1
18	135923-04	FIT - 6 SAE X 6 JIC SWIVEL STR.	1

GENSET OUTLET EXTENSIONS
(148267-03)

ITEMS 1 & 14 ARE DIVIDED AS FOLLOWS:

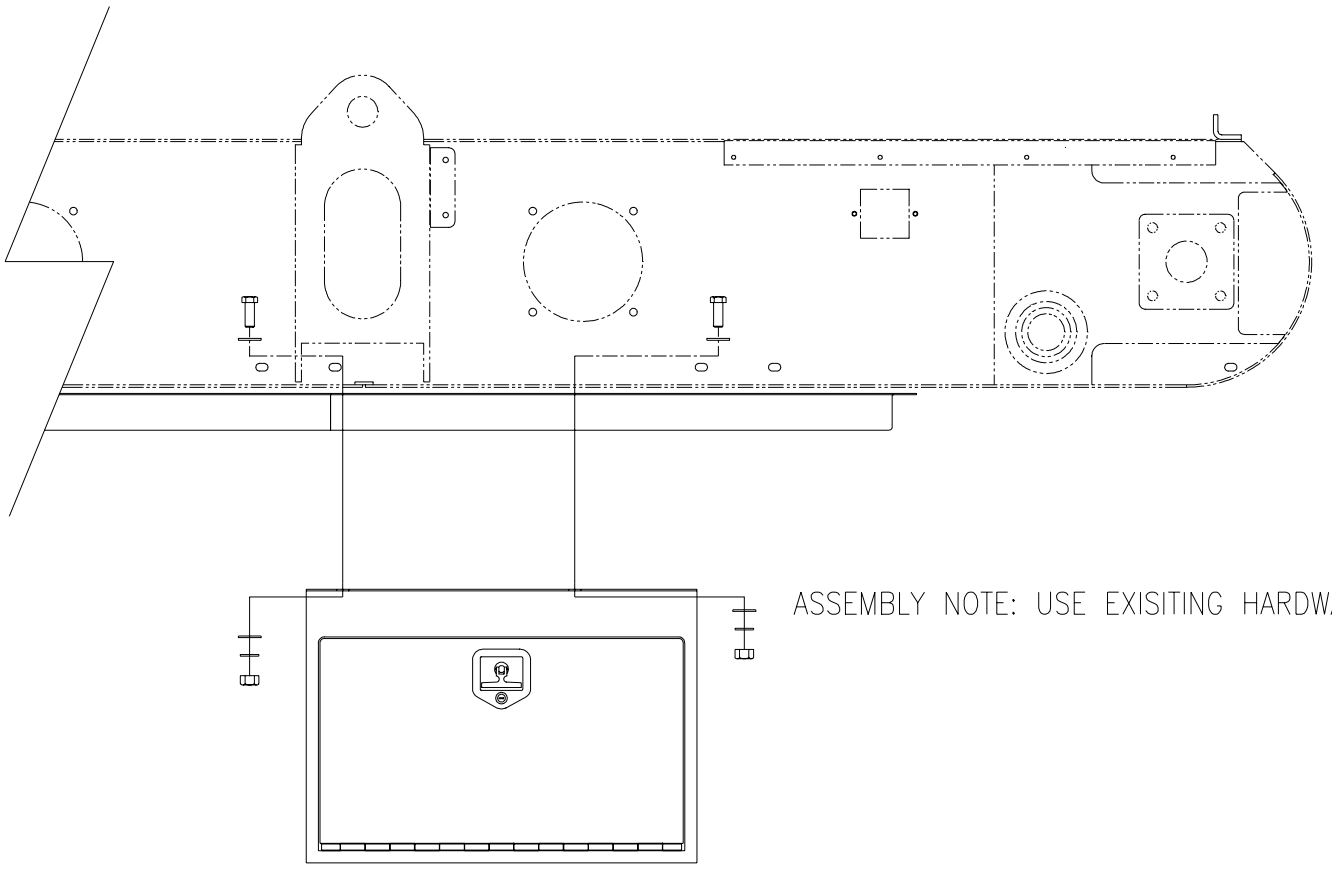
	3/8 CONDUIT	BLACK WIRE	WHITE WIRE	GREEN WIRE
FRONT TO BACK - RIGHT SIDE	264”	276”	276”	276”
RIGHT SIDE TO GENERATOR SET	144”	156”	156”	156”
FRONT TO BACK - LEFT SIDE	252”	264”	264”	264”
LEFT SIDE TO GENERATOR SET	20”	32”	32”	32”

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

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

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

STORAGE CABINET OPTION
(211338-01)

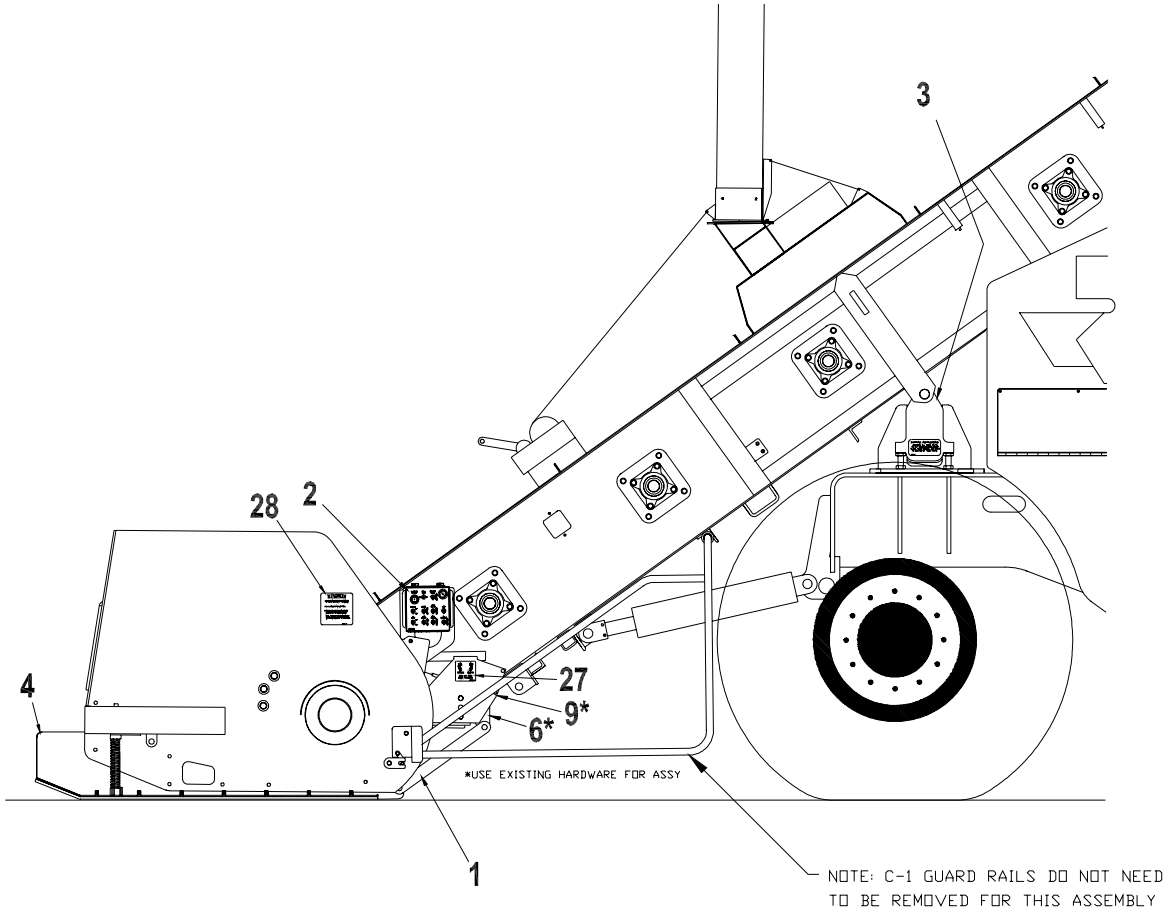


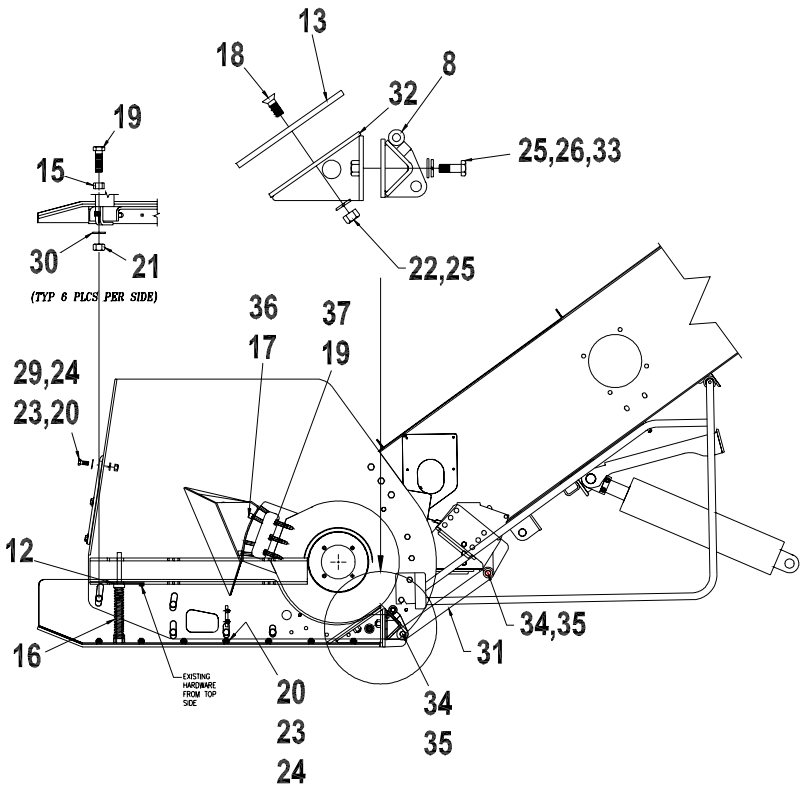
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211337-01	STORAGE CABINET	1
2	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEY	2

SB-2500C WINDROW OPTION ASSY.

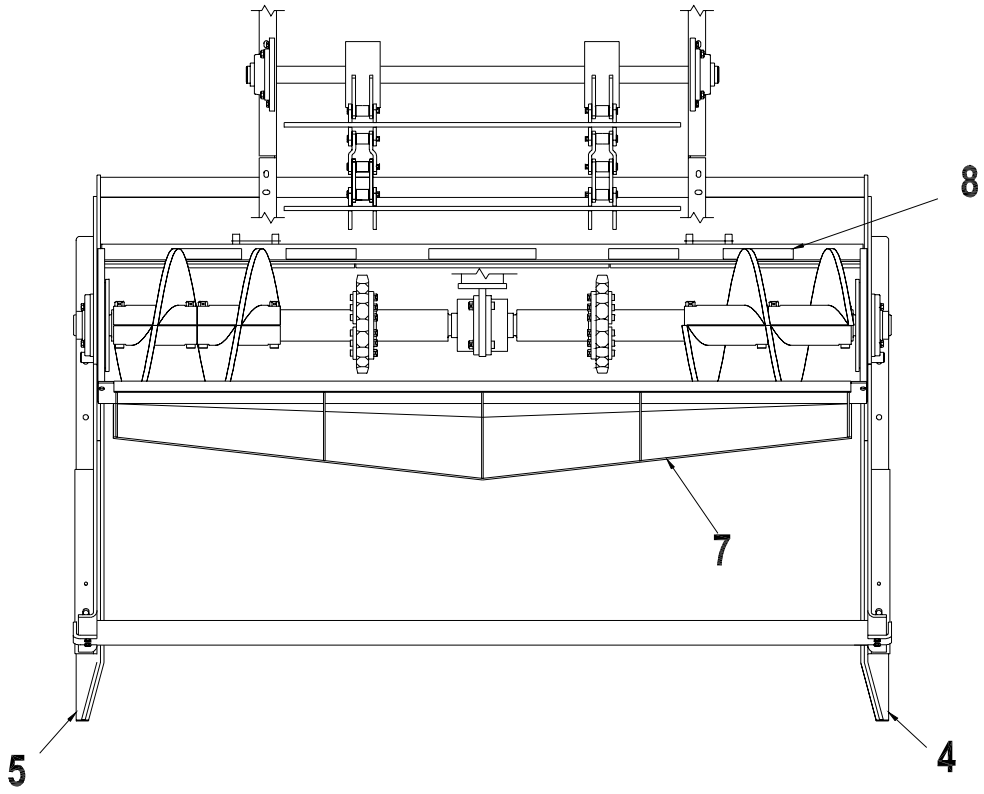
(212471-01)

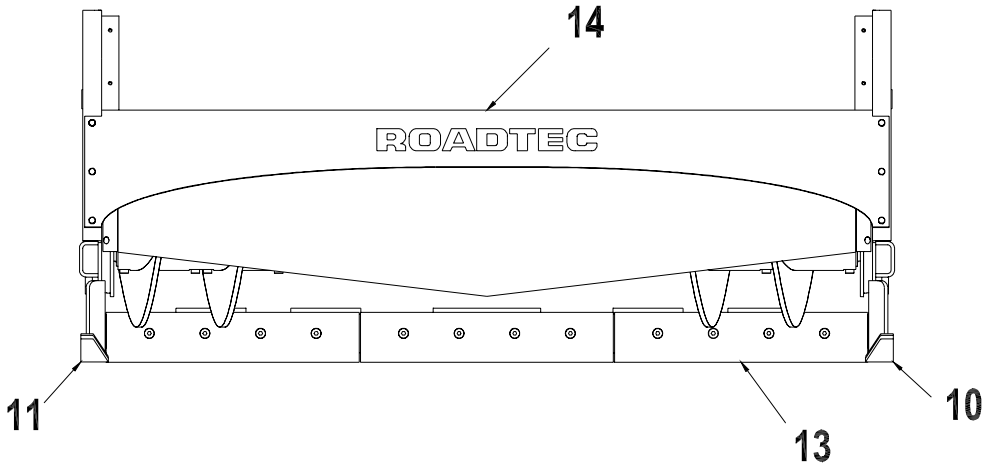
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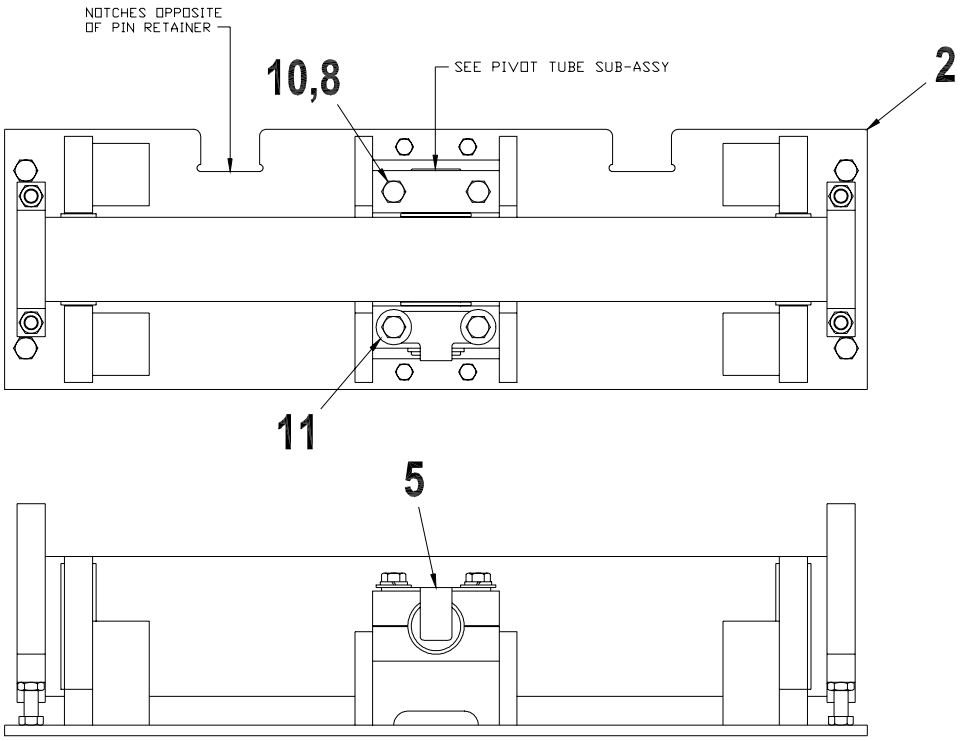


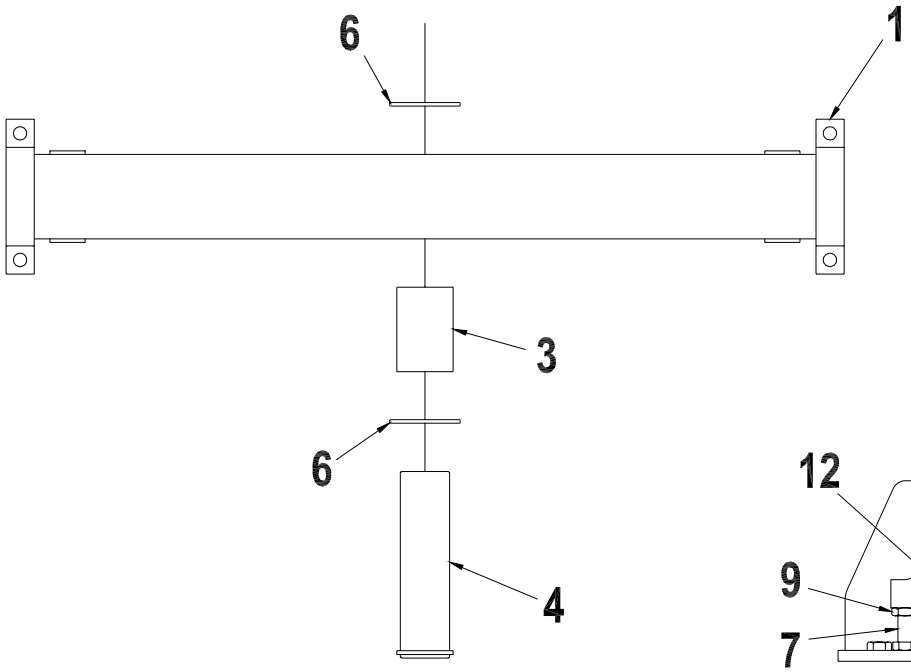


SB-2500C WINDROW OPTION ASSY.
(212471-01)

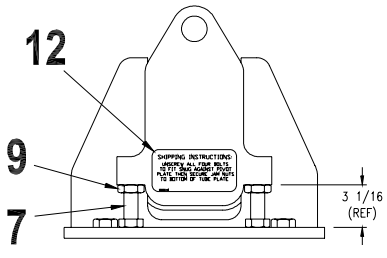
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	212043-01	WINDROW HYD. ASSY.	1
2	203236-01	WINDROW ELECTRICAL ASSY.	1
3	200855-01	WINDROW PIVOT SUB-ASSY.	1
4	202890-01	LH SKI WLDMT.	1
5	202889-01	RH SKI WLDMT.	1
6	208032-03	CYLINDER MOUNT WLDMT.	2
7	202199-01	WINDROW PLOW WLDMT.	1
8	202200-01	SCRAPER MOUNT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

WINDROW PIVOT ASSY.
(200855-01)





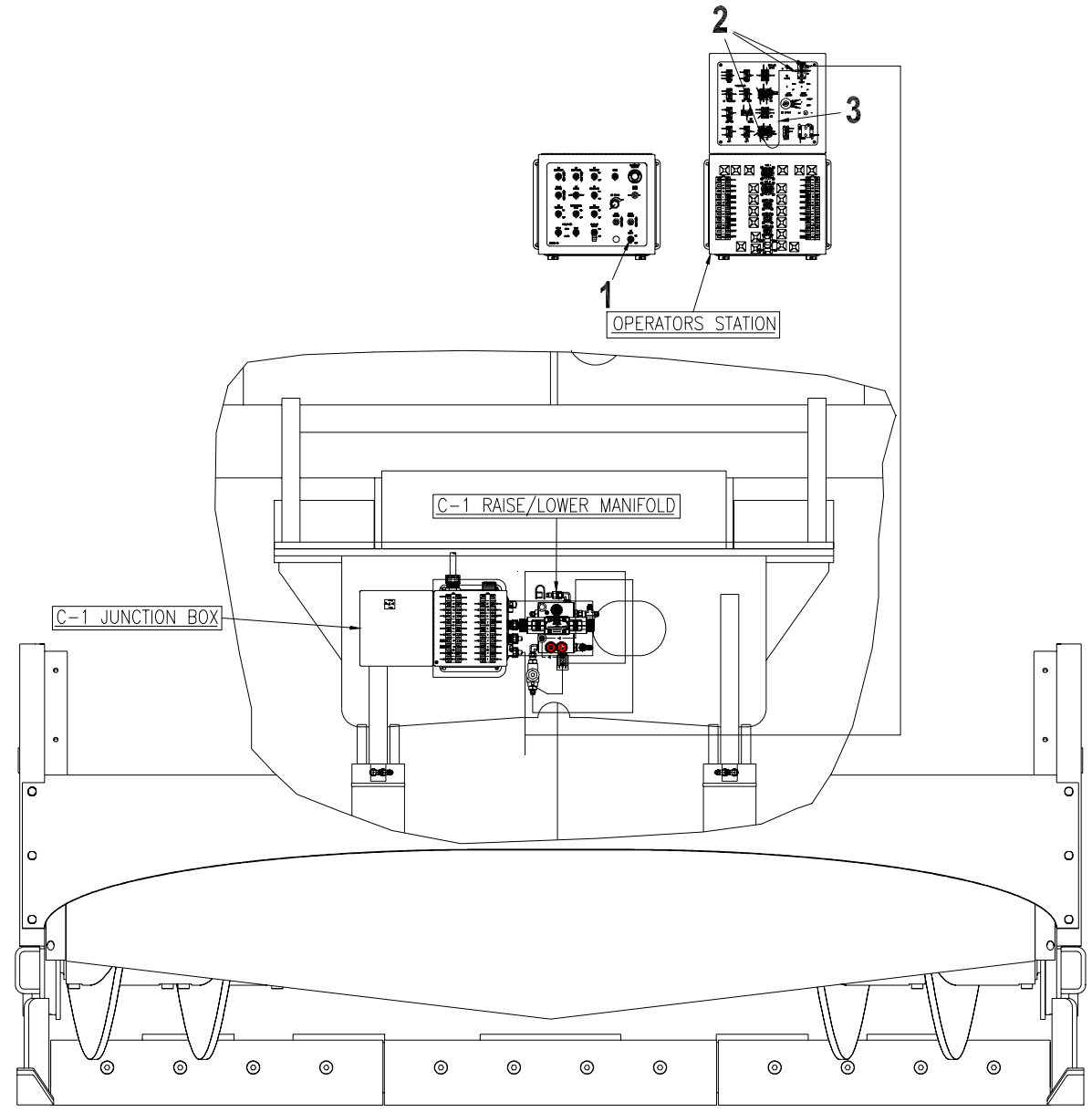
PIVOT TUBE SUB-ASSEMBLY

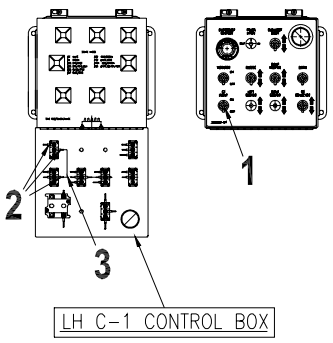


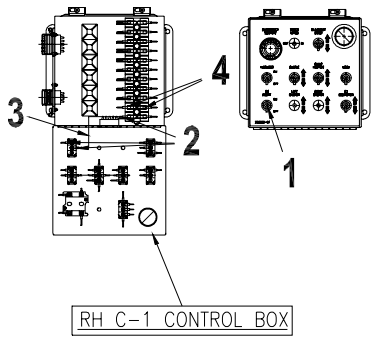
PIVOT TUBE IN LOCKED POSIOTION

WINDROW PIVOT ASSY.
(200855-01)

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


2
3
1
OPERATORS STATION
C-1 RAISE/LOWER MANIFOLD
C-1 JUNCTION BOX

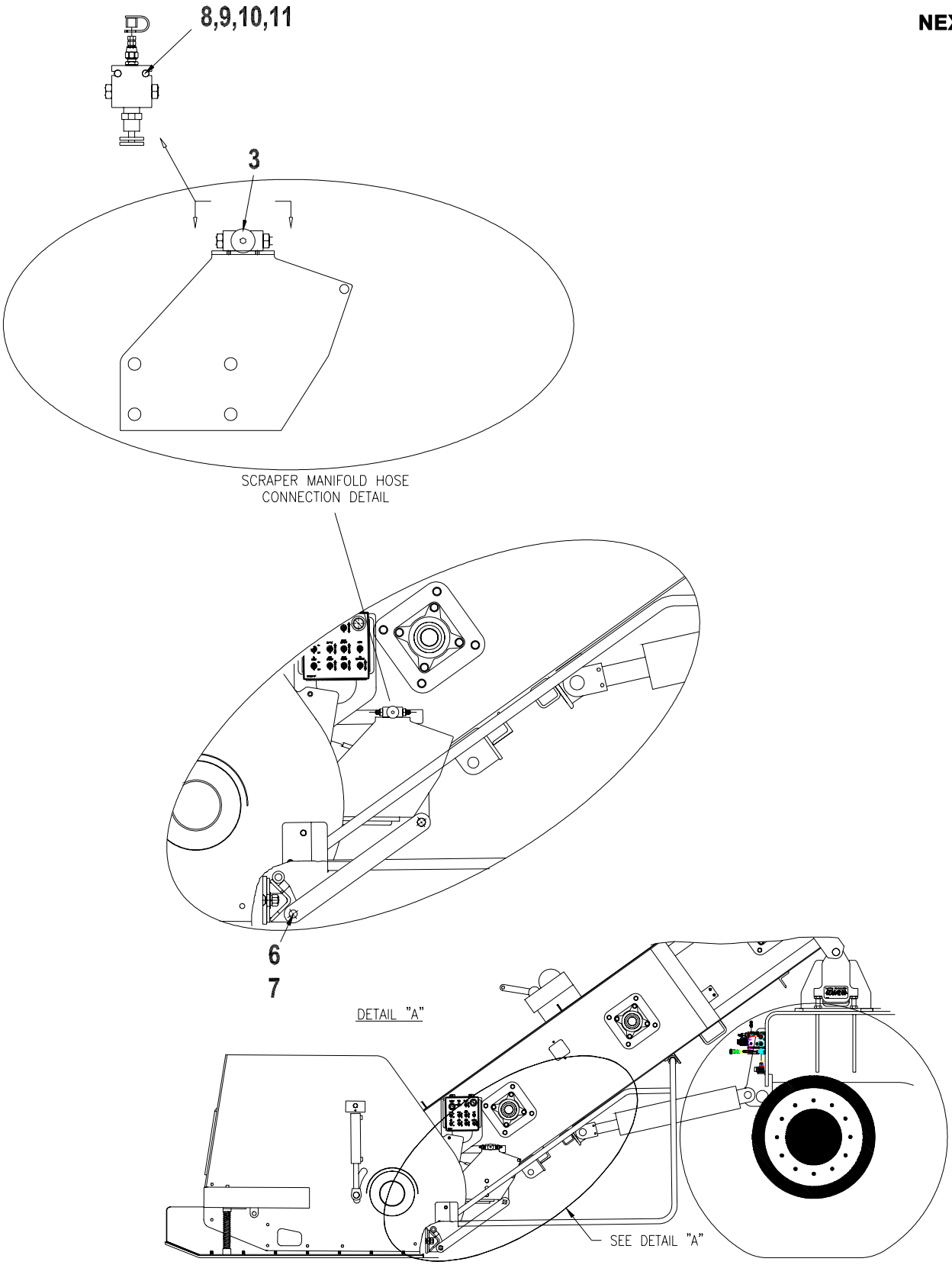

2
1
3
LH C-1 CONTROL BOX


4
3
2
1
RH C-1 CONTROL BOX

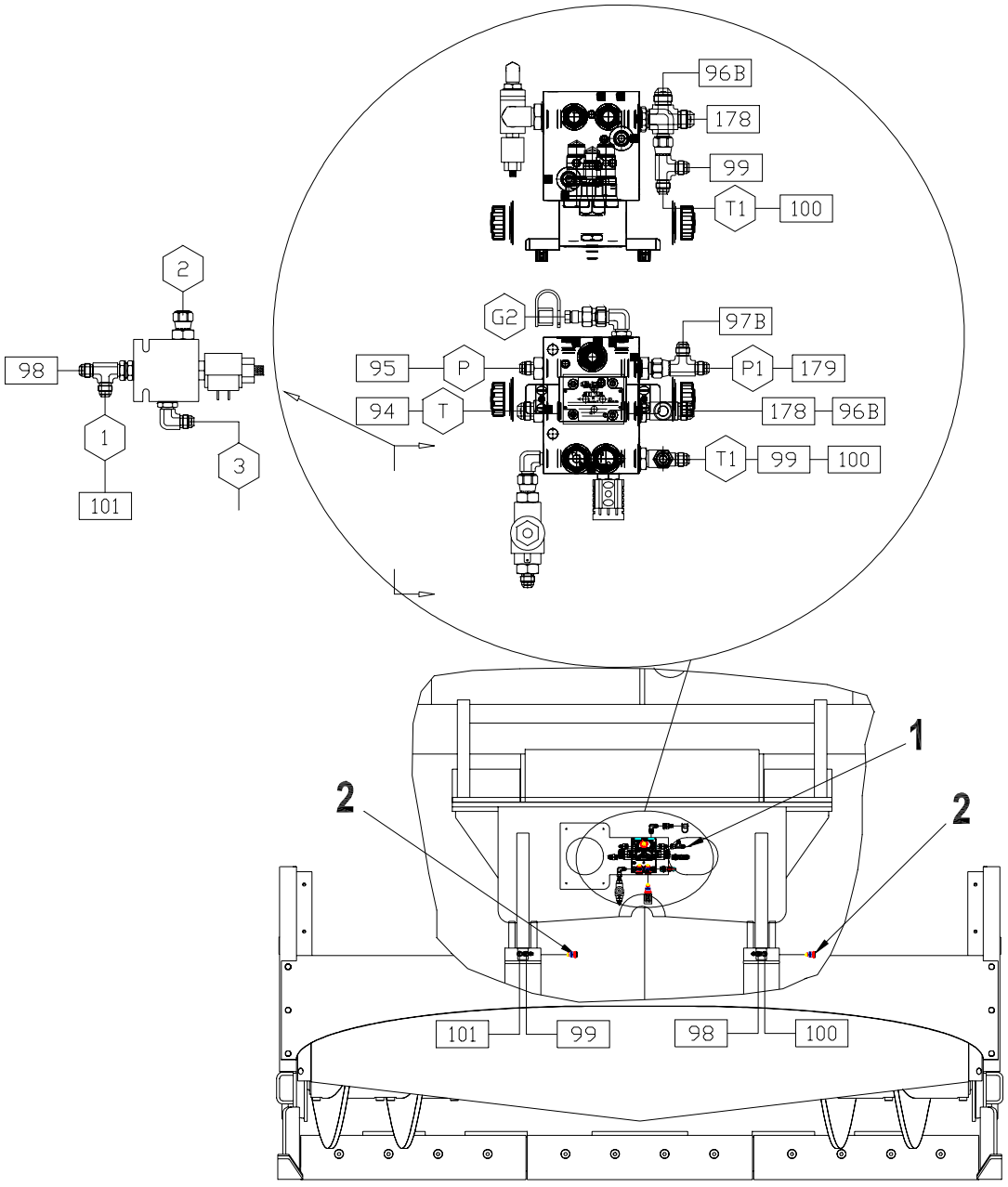
WINDROW ELECTRICAL ASSY.
(203236-01)

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

NEXT PAGE


8,9,10,11
3
SCRAPER MANIFOLD HOSE
CONNECTION DETAIL
6
7
DETAIL "A"
SEE DETAIL "A"

PREVIOUS PAGE

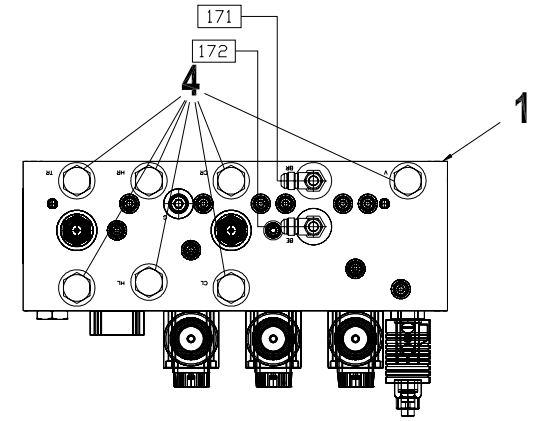


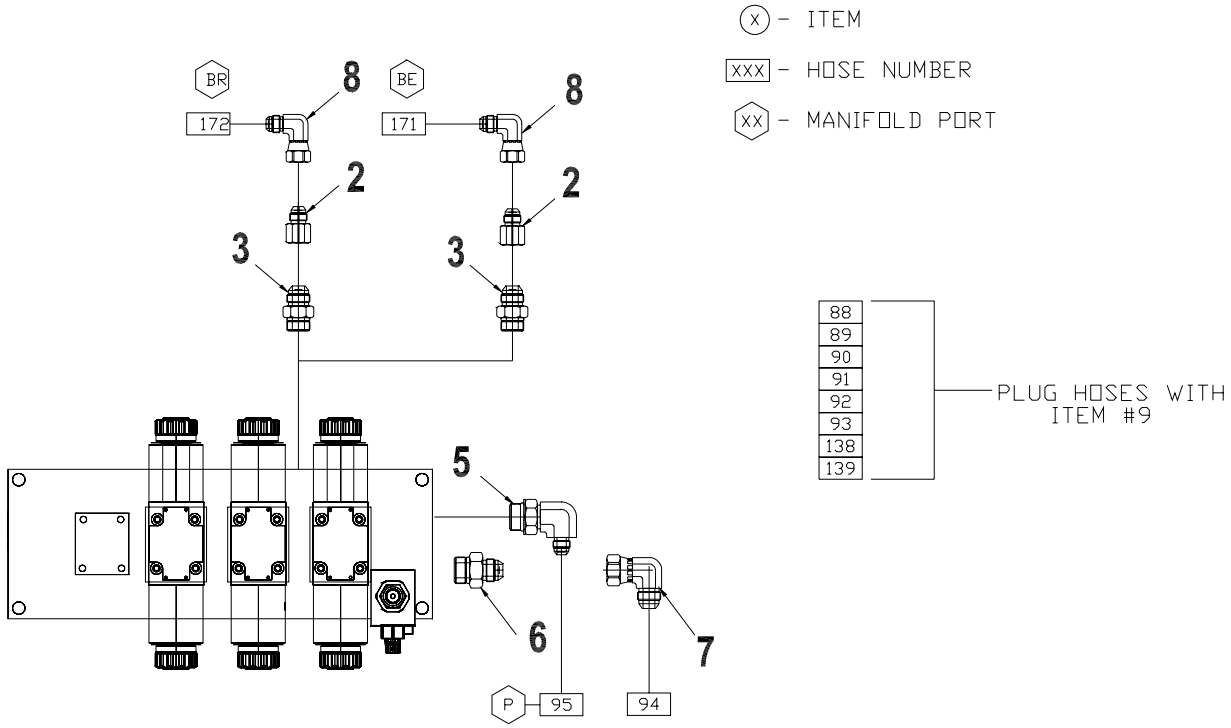
WINDROW HYDRAULIC ASSY.
(212043-01)

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

WINDROW C-1 HOPPER CONTROLS MANIFOLD ASSY.

(212046-02)

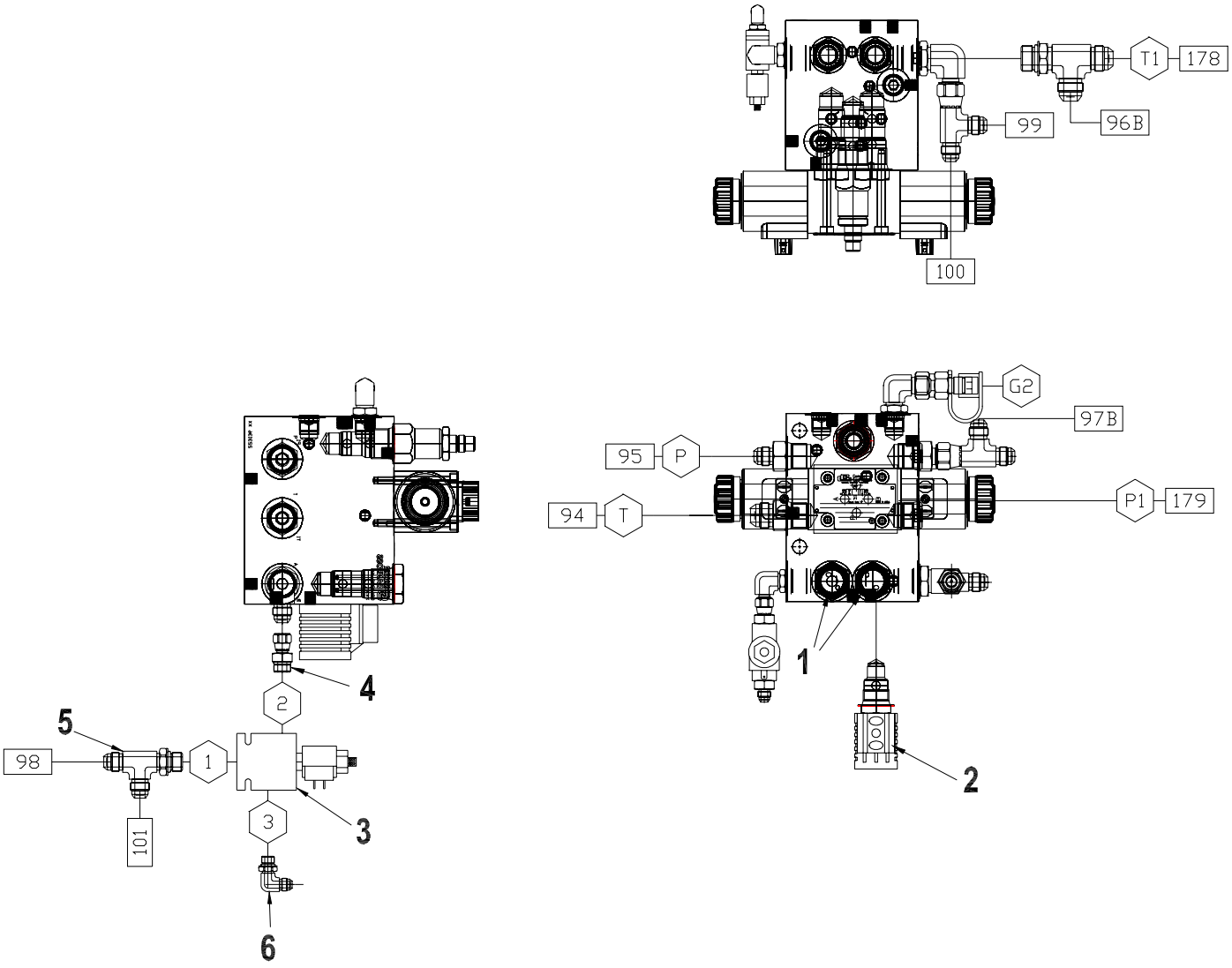




REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146254-03	VALVE - C-1 HOPPER CONTROL MANIFOLD	1
2	135775-04	FIT - RESISTOR 6 JIC X 1/16 ORIFICE	2
3	83469-04	CONNECTOR - 6 JIC X 8 SAE MALE	2
4	83767-04	FIT - PLUG 8 SAE	2
5	92987	FIT - 6 JIC X 10 SAE 90 DEG.	1
6	83704-04	CONNECTOR - 8 JIC - 10 SAE MALE	1
7	83732-04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

WINDROW C-1 RAISE/LOWER MANIFOLD ASSY.

(212045-03)

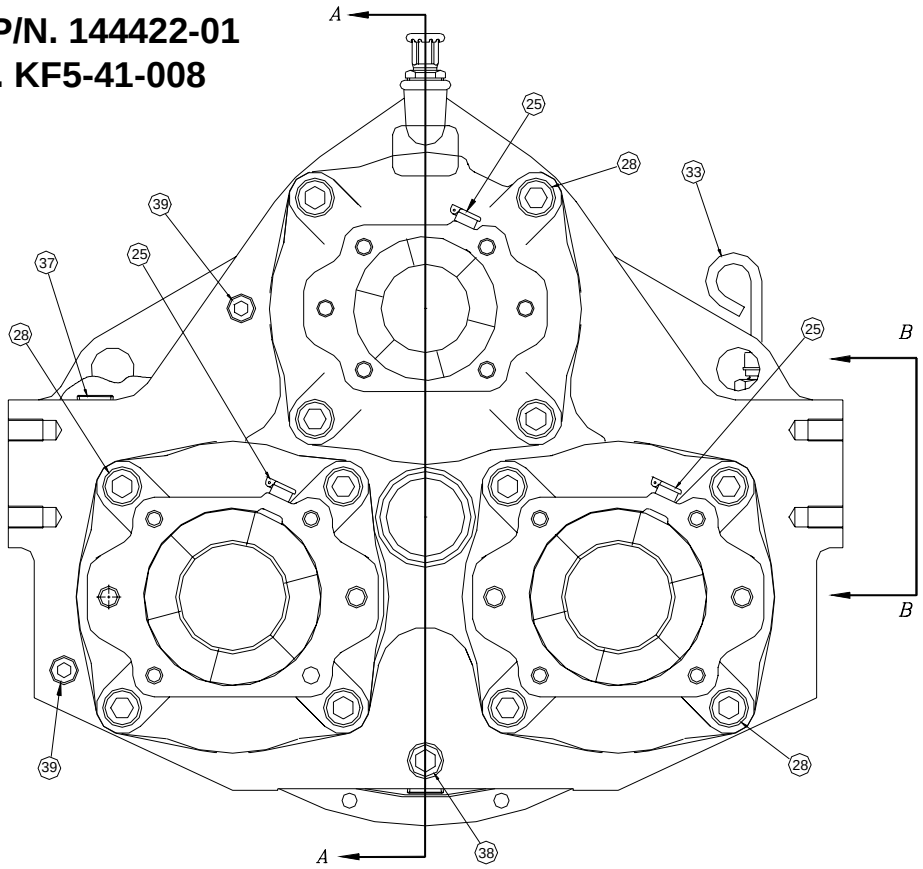


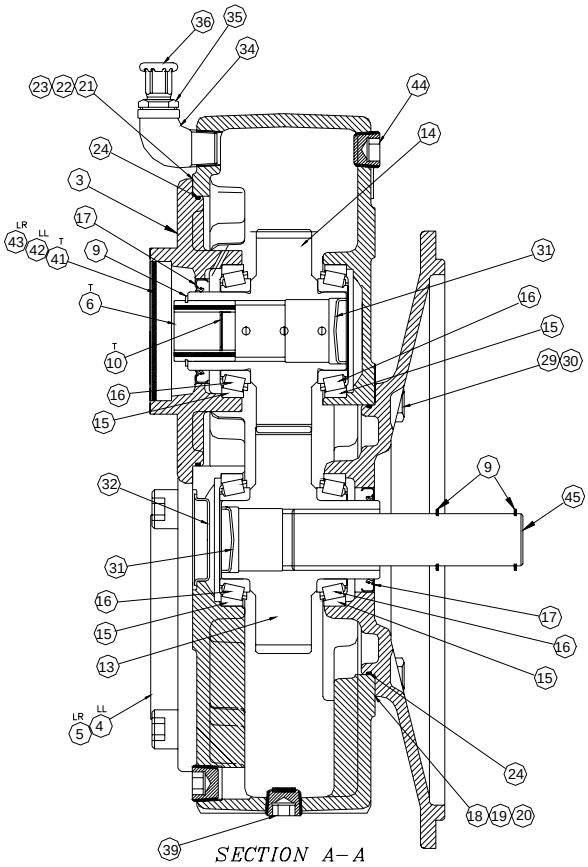
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	143972-C32	VALVE - CARTRIDGE PO CHECK	2
2	143972-C33	VALVE - CARTRIDGE SOLENOID N/C SPOOL	1
3	203093-04	VALVE - SOLENOID 2 POS - 3 WAY	1
4	135923-04	FIT - 6 SAE MALE - 6 JIC FEM. SW STR.	1
5	91665-04	FIT - RUN TEE 6 JIC M - 6 SAE M	1
6	83734-04	FIT - 6 JIC - 6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

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





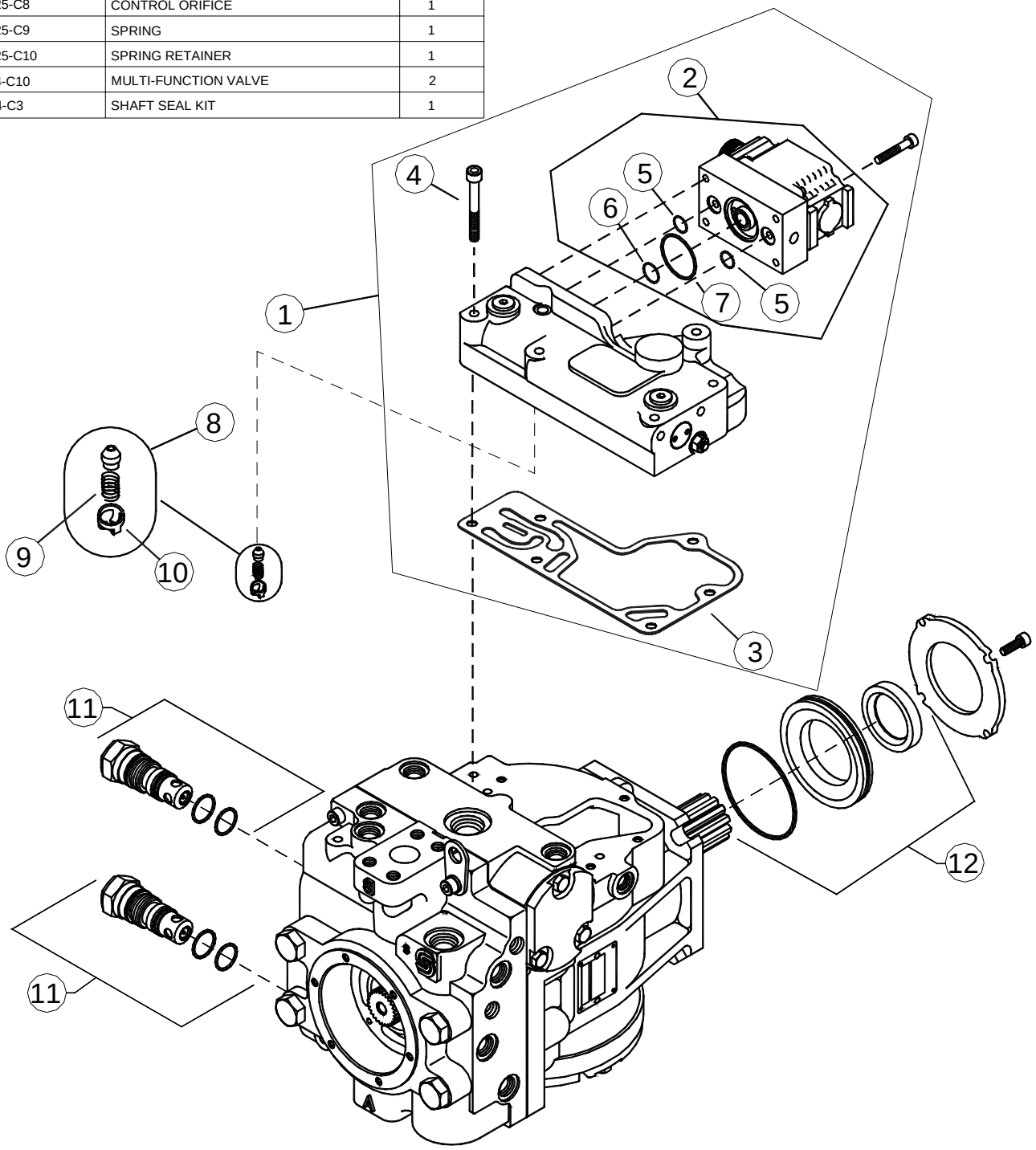
SECTION A–A

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

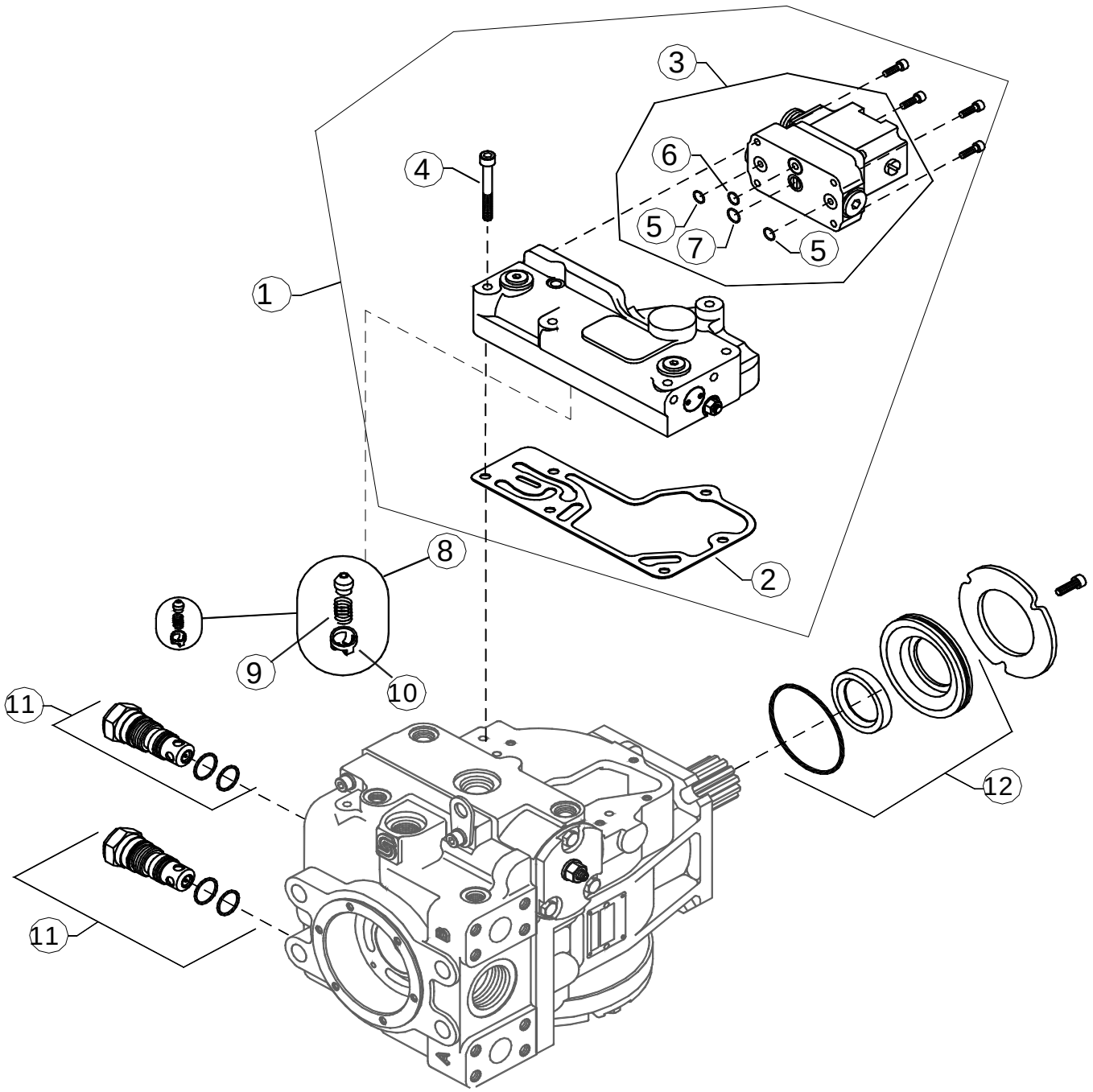
ROADTEC P/N. 99814
SAUER DANFOSS P/N. 95-2508

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



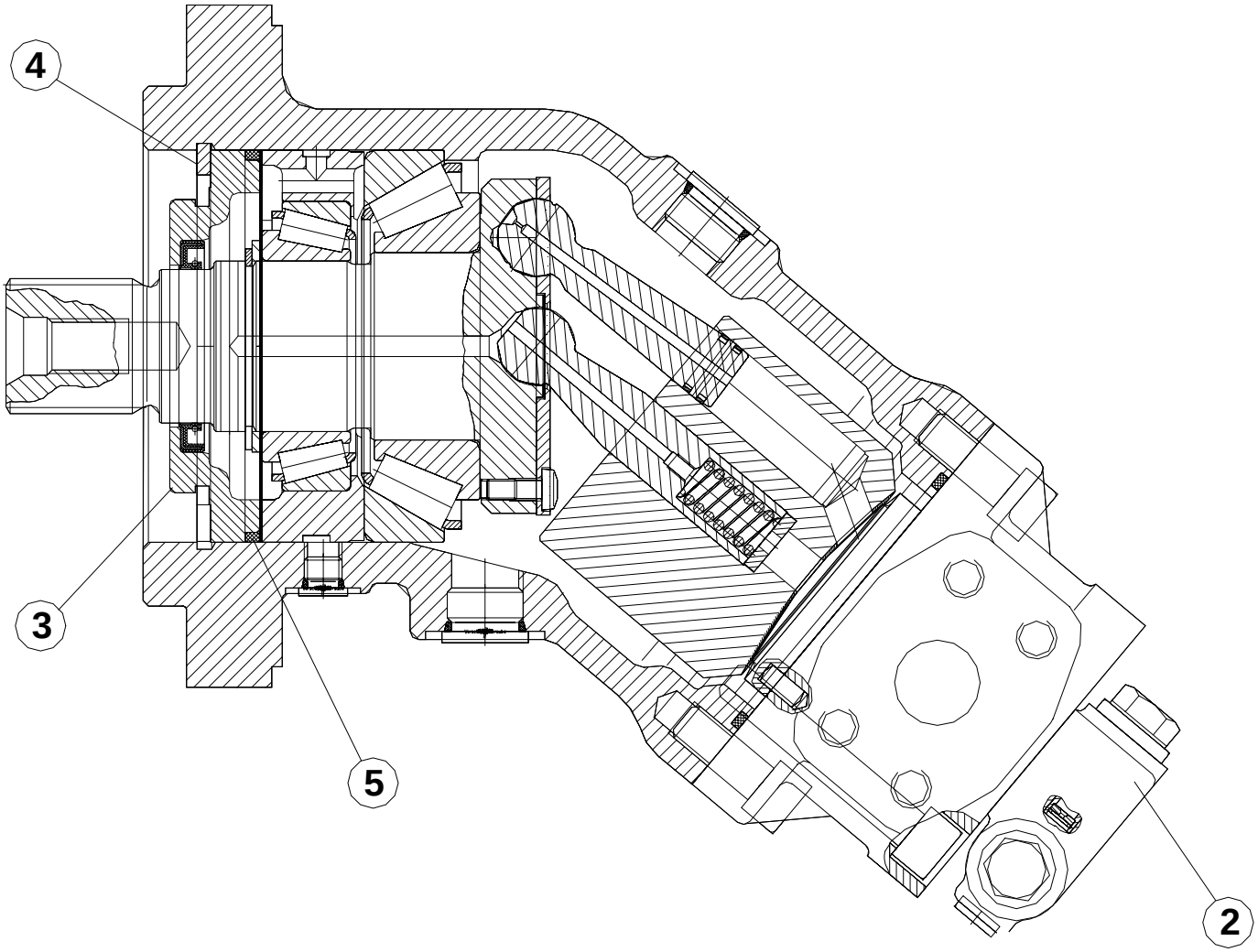
ROADTEC P/N. 29J94
SAUER DANFOSS P/N. 9521343

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



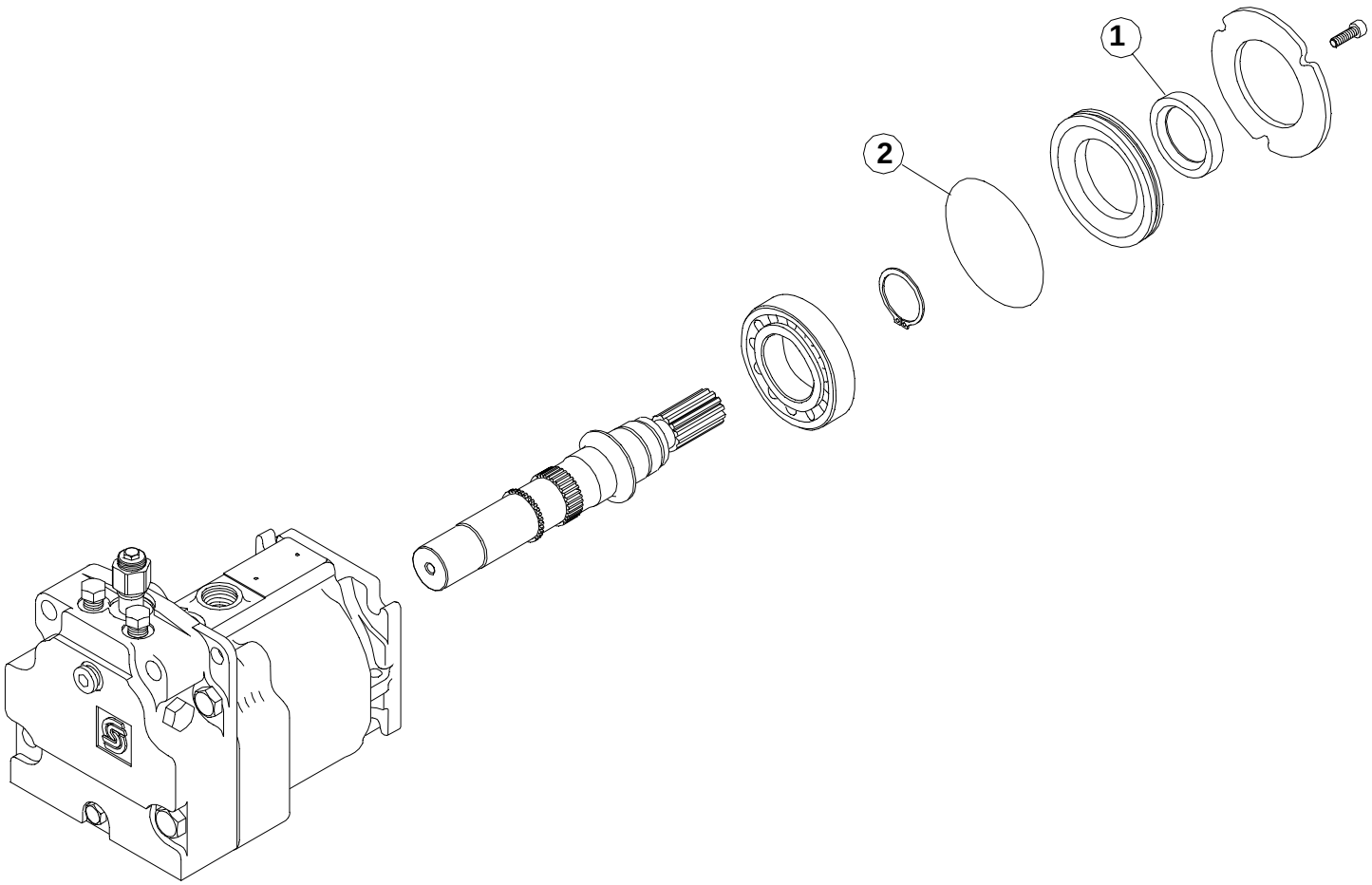
ROADTEC P/N. 137400-04
REXROTH P/N. 02030569

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



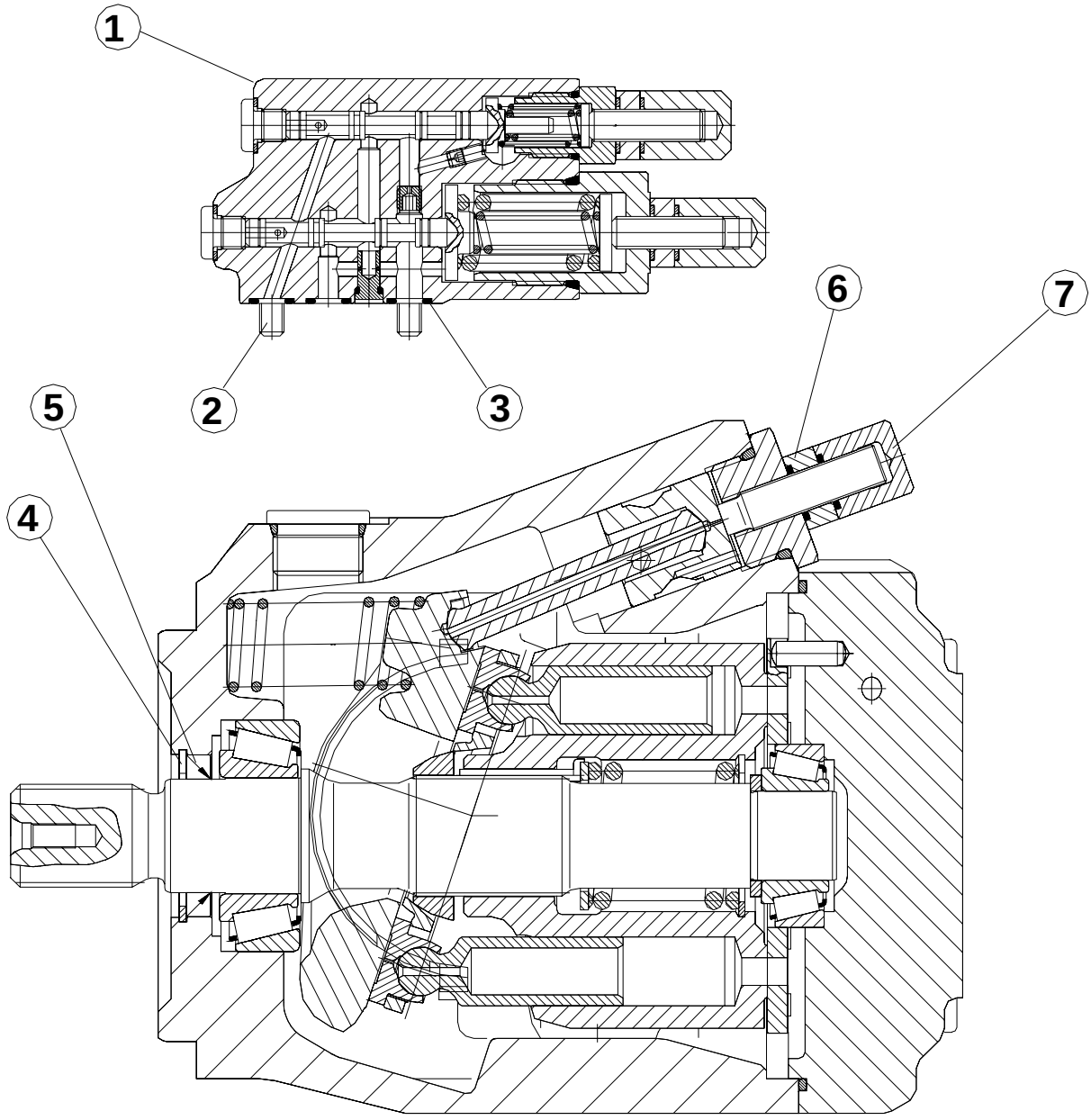
ROADTEC P/N. 91681-04
SAUER DANFOSS P/N. 94-3113

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

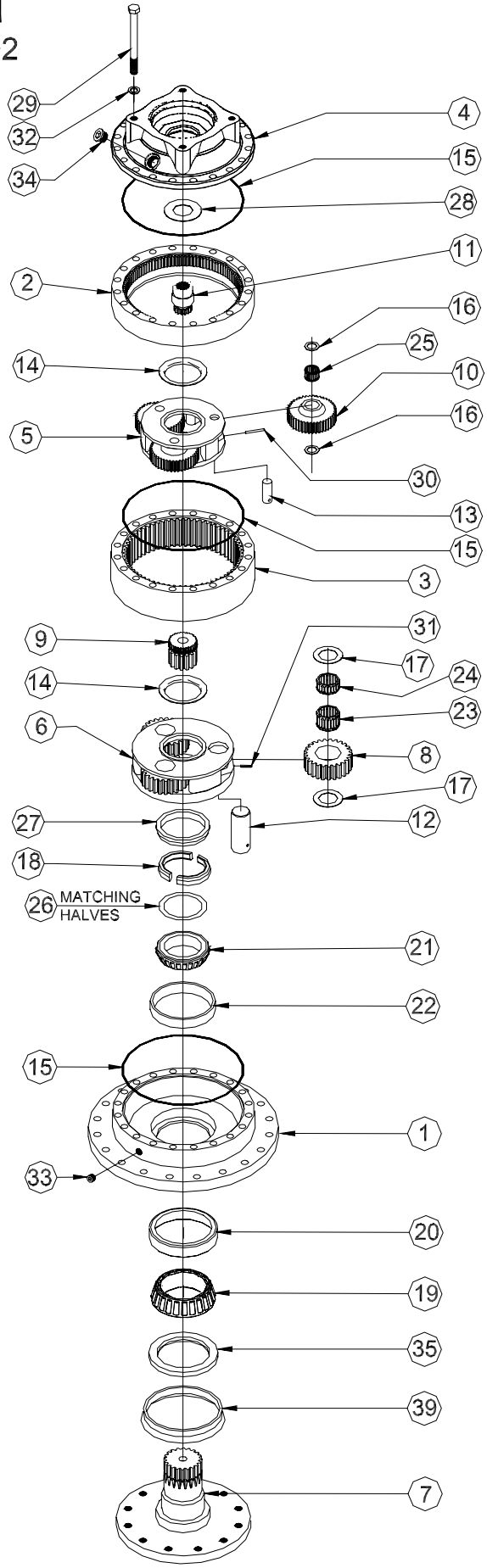


ROADTEC P/N. 128178-04
REXROTH P/N. 00978509

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

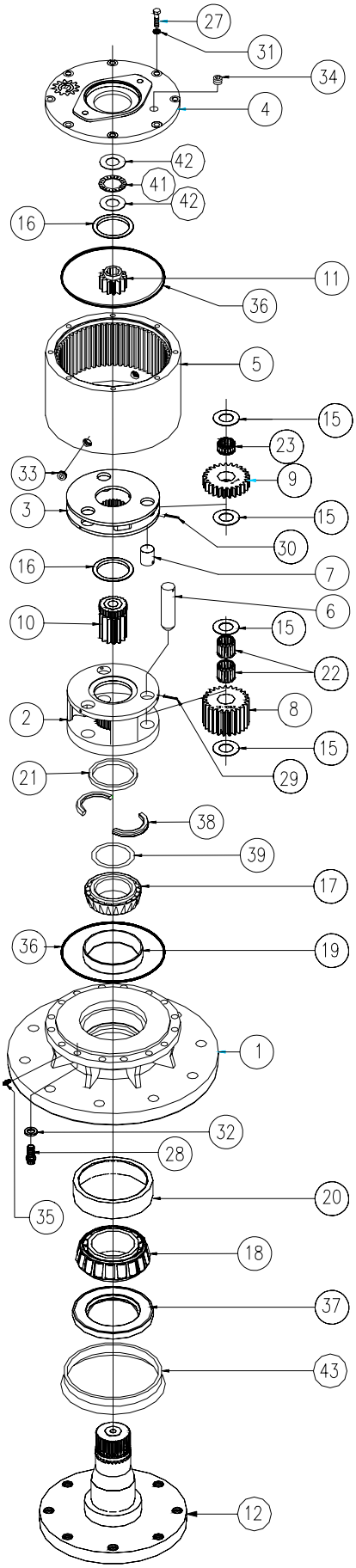
EQUIPPED WITH PATENTED "LOAD-N-LOCK®" SHAFT RETENTION SYSTEM (U.S. PATENT NO. 5746517).

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

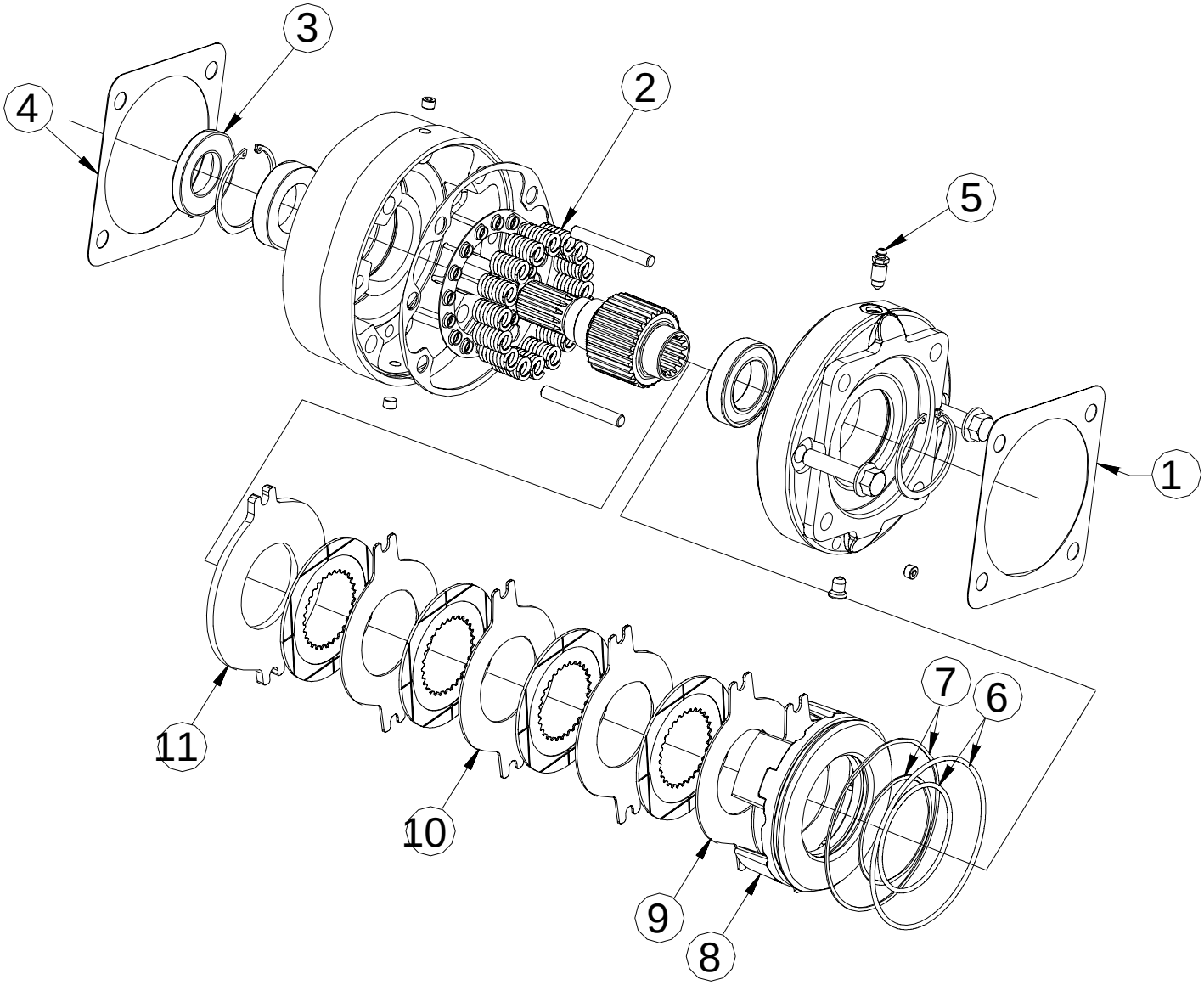
* ( ) QUANTITY DETERMINED FROM BEARING PRELOAD.

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).

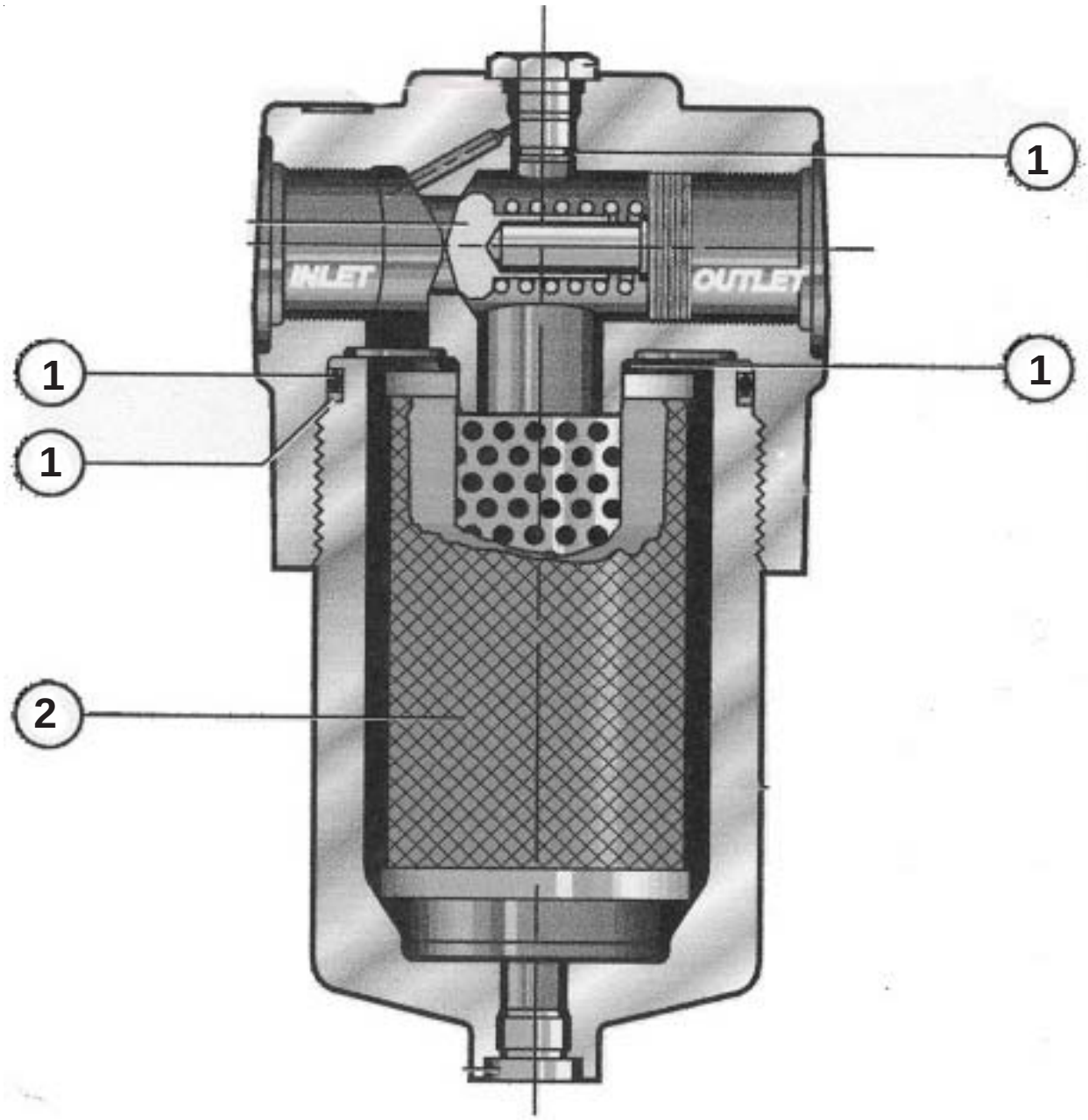
ROADTEC P/N. 142483
AUSCO P/N. 78018

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			



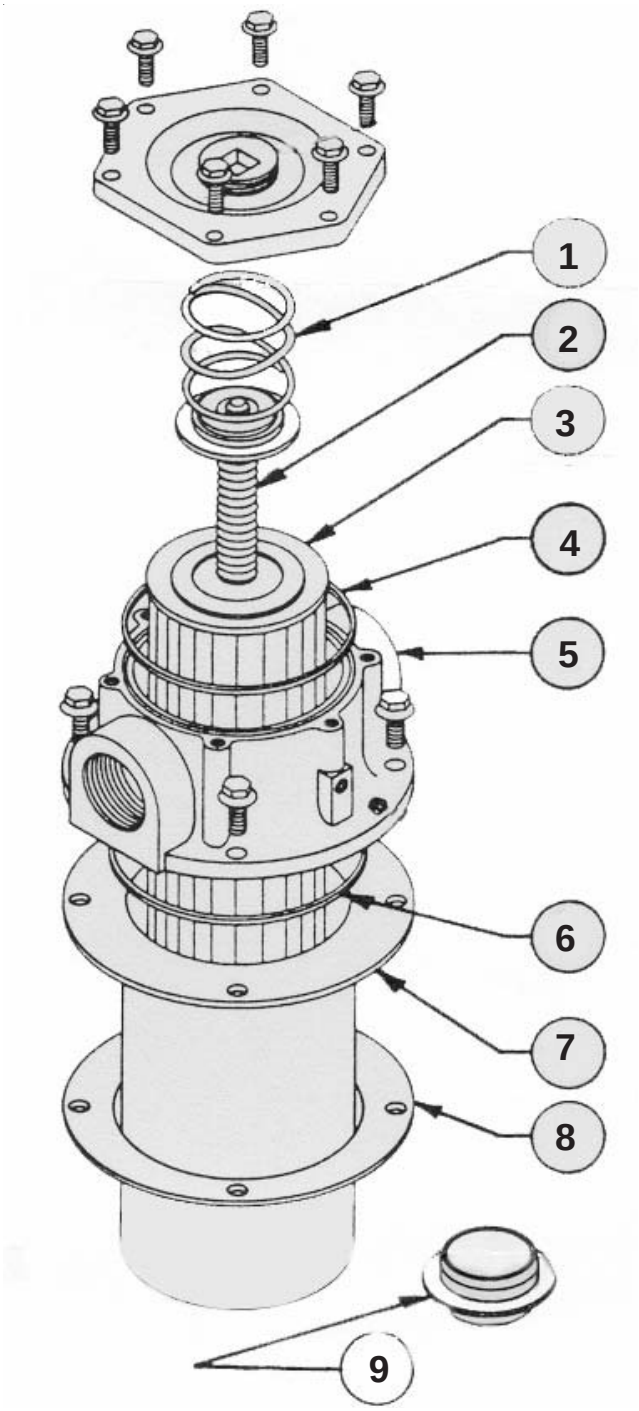
142799-03 HYDAC FILTER

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



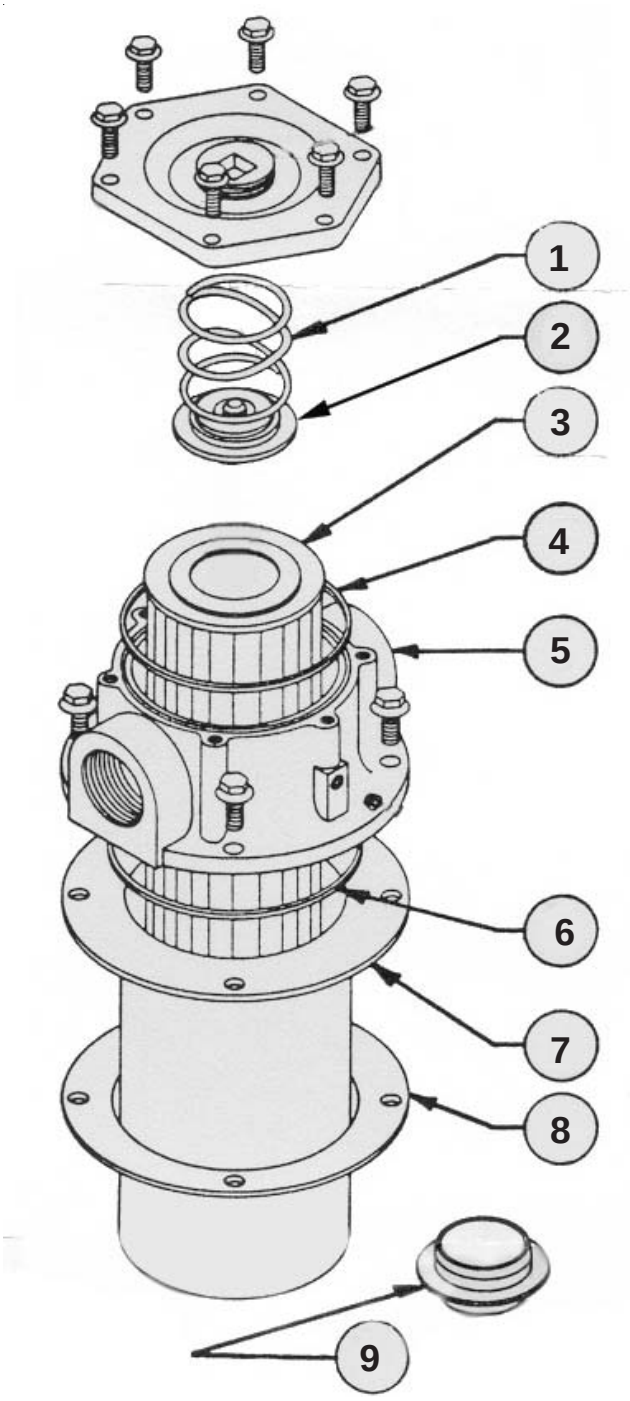
29G37 ZINGA FILTER

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



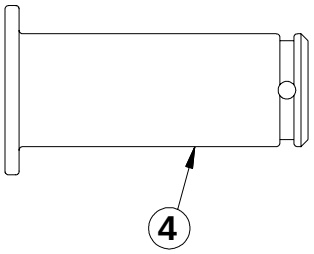
29G38 ZINGA FILTER

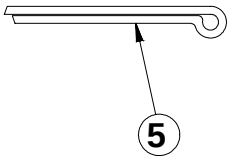
ITEM	QTY	DESCRIPTION	ROADTEC P/N
1	1	ELEMENT HOLD DOWN SPRING	29G37C4
2	1	NO BY-PASS VALVE ASSEMBLY	29G38C1
3	2	FILTER ELEMENT	29G40
4	1	TOP COVER SEAL (BUNA-"N")	29G37C2
5	1	PORT CASTING 1 5/8"-12 & 1 7/8-12 (SAE 20 & 24)PORTS	29G37C6
6	1	HOUSING FLANGE SEAL (BUNA-"N")	29G37C1
7	1	SINGLE ELEMENT HOUSING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

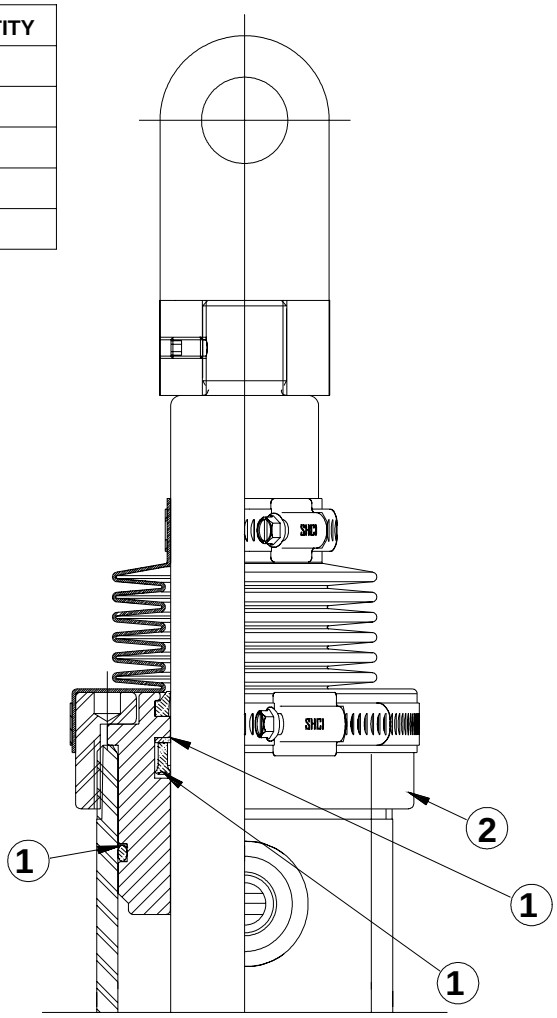


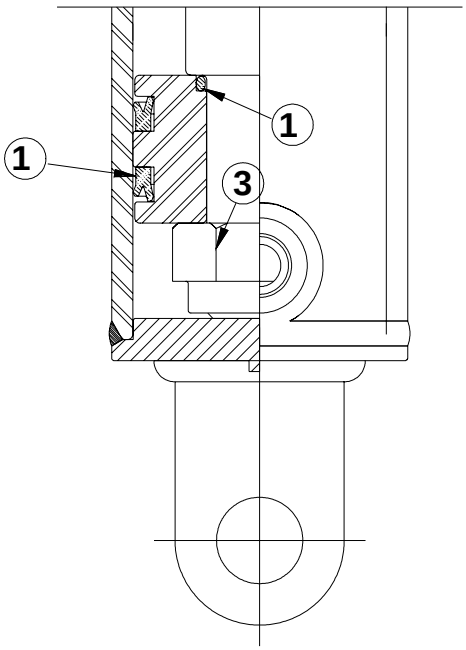
ROADTEC P/N. 144894-01
SOUTHERN HYD. P/N. 3017050

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



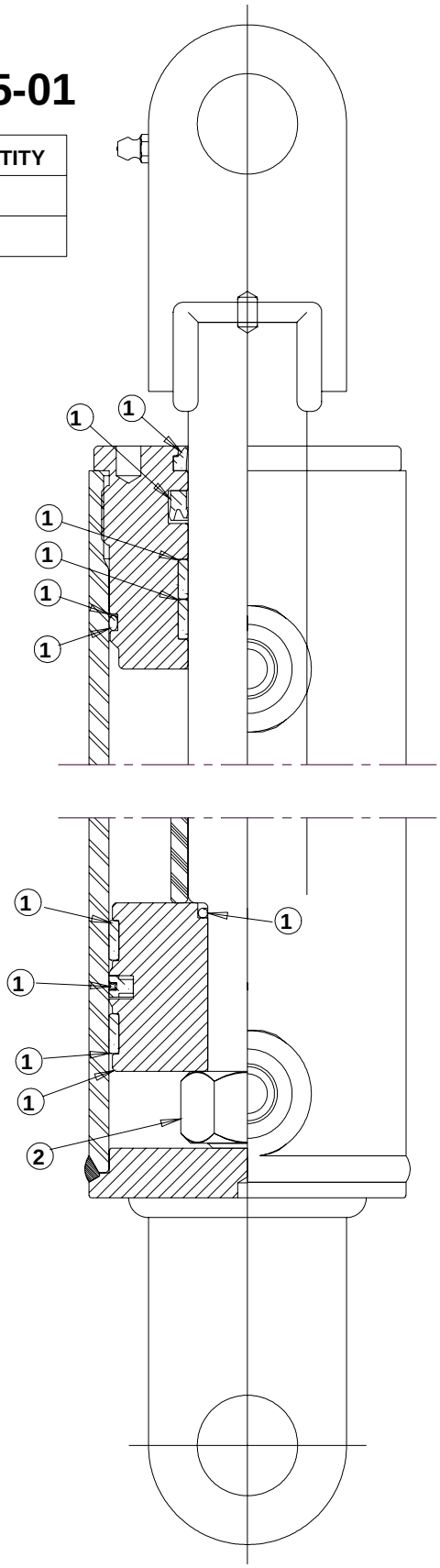






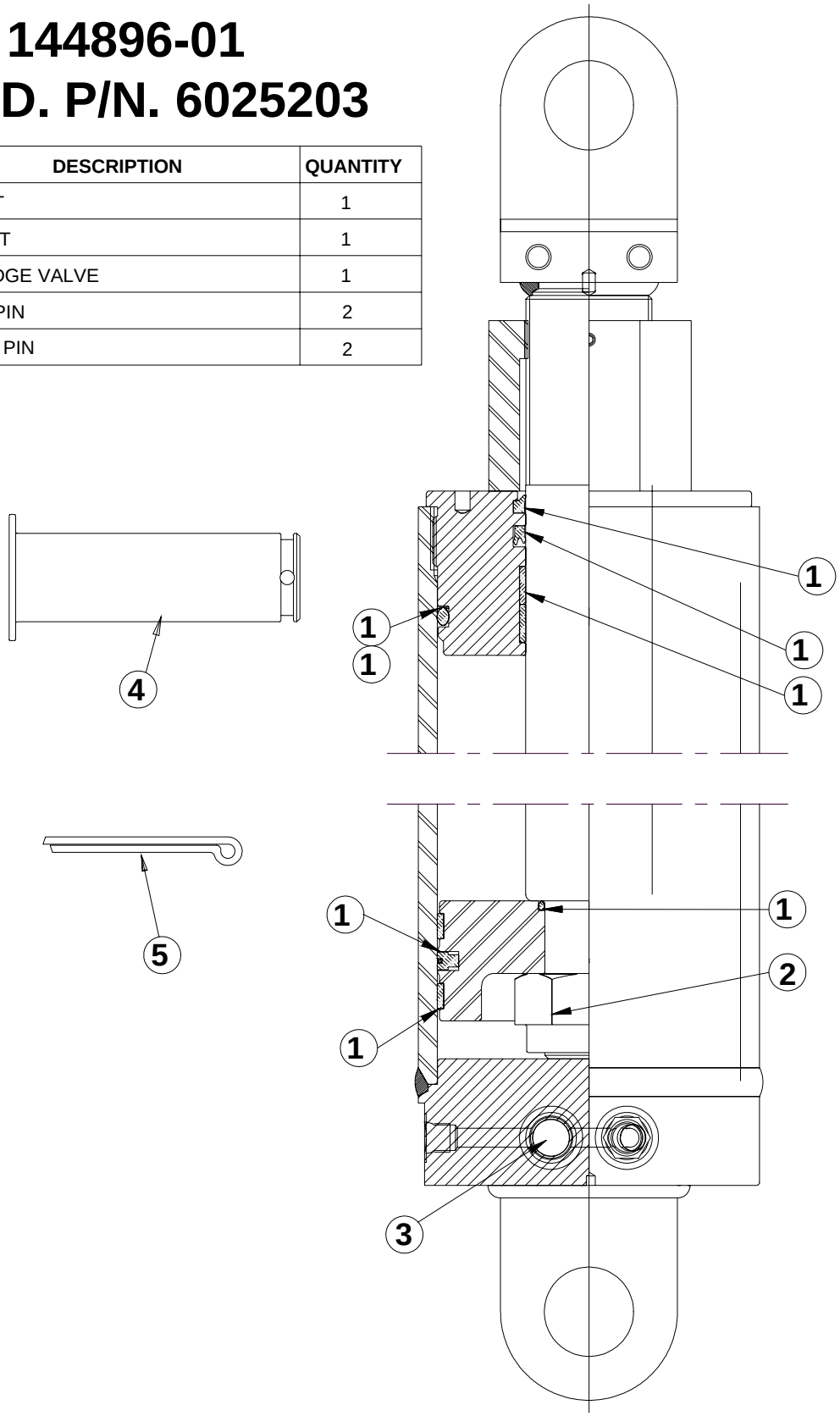
ROADTEC P/N. 144895-01
SOUTHERN HYD. P/N. 3515082-144895-01

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



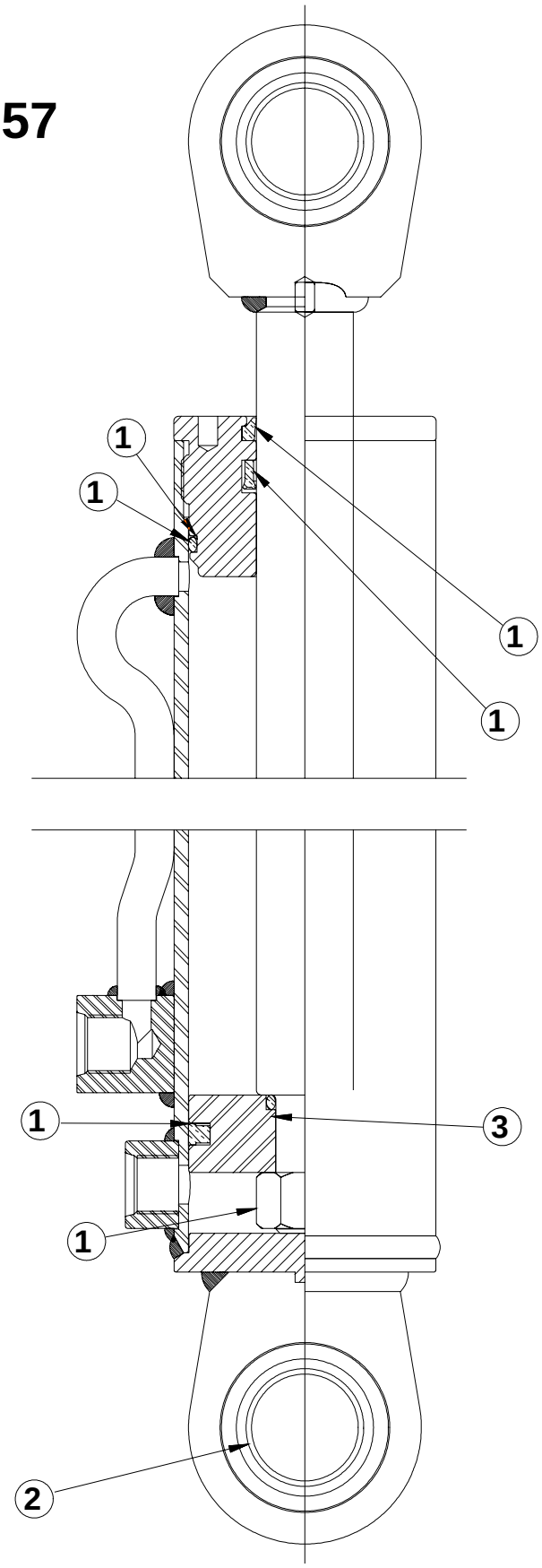
ROADTEC P/N. 144896-01
SOUTHERN HYD. P/N. 6025203

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



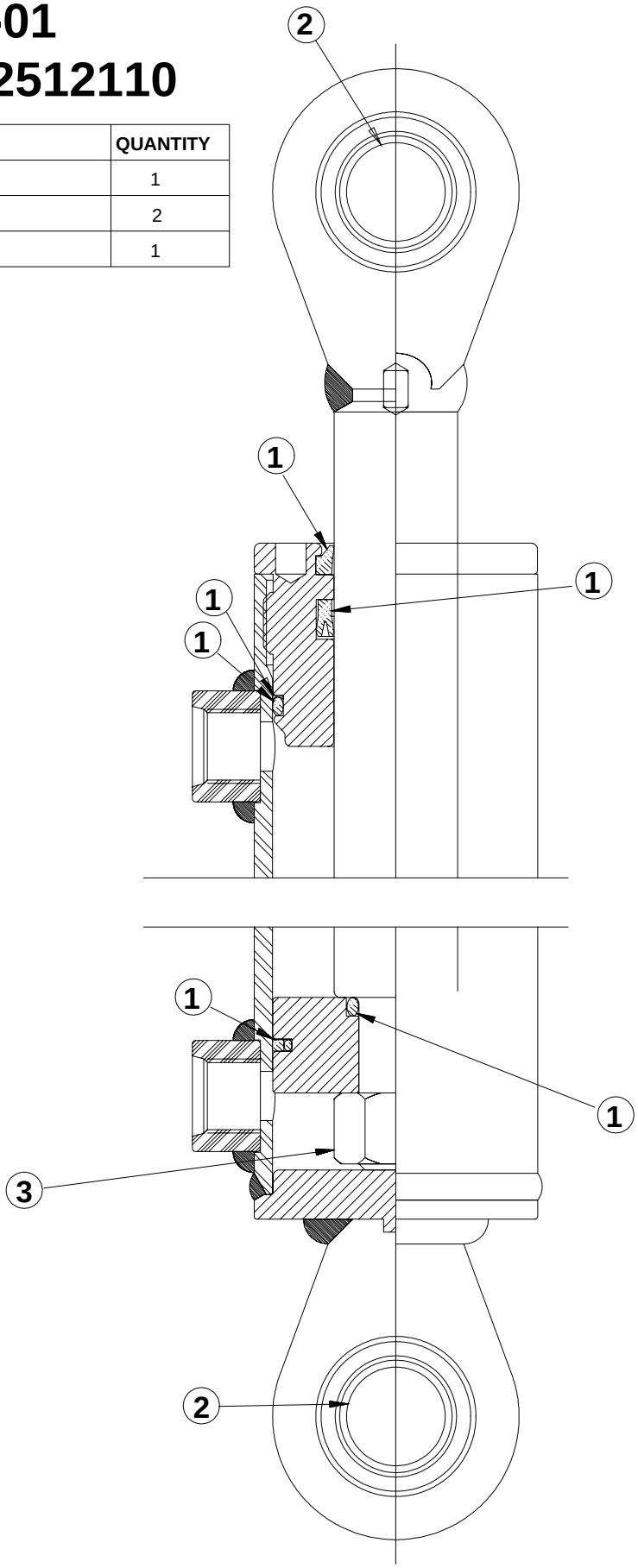
ROADTEC P/N. 144897-01
SOUTHERN HYD. P/N. 3012157

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



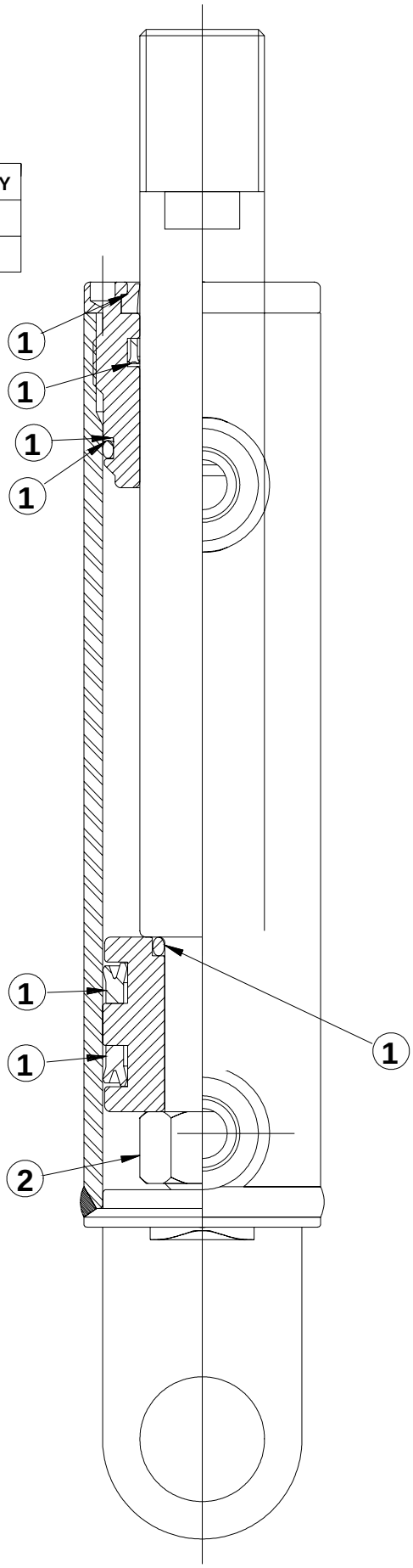
ROADTEC P/N. 144898-01
SOUTHERN HYD. P/N. 2512110

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



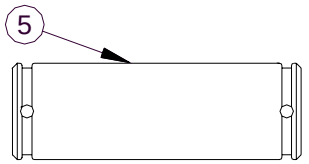
ROADTEC P/N. 144899-01
SOUTHERN HYD. P/N. 2012045

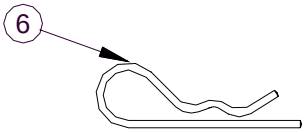
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144899-01-C1	SEAL KIT	1
2	97482-01-C8	3/4" LOCK NUT	1



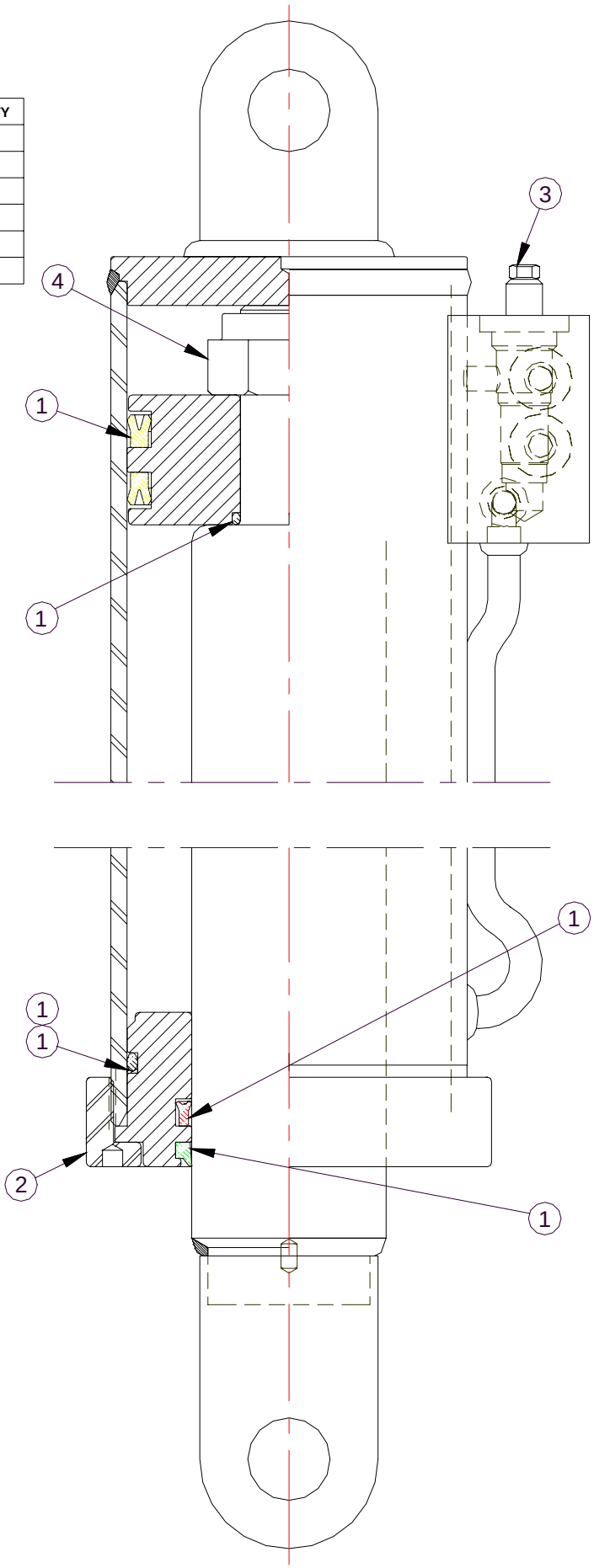
ROADTEC P/N. 144900-01
SOUTHERN HYD. P/N. 5030260

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



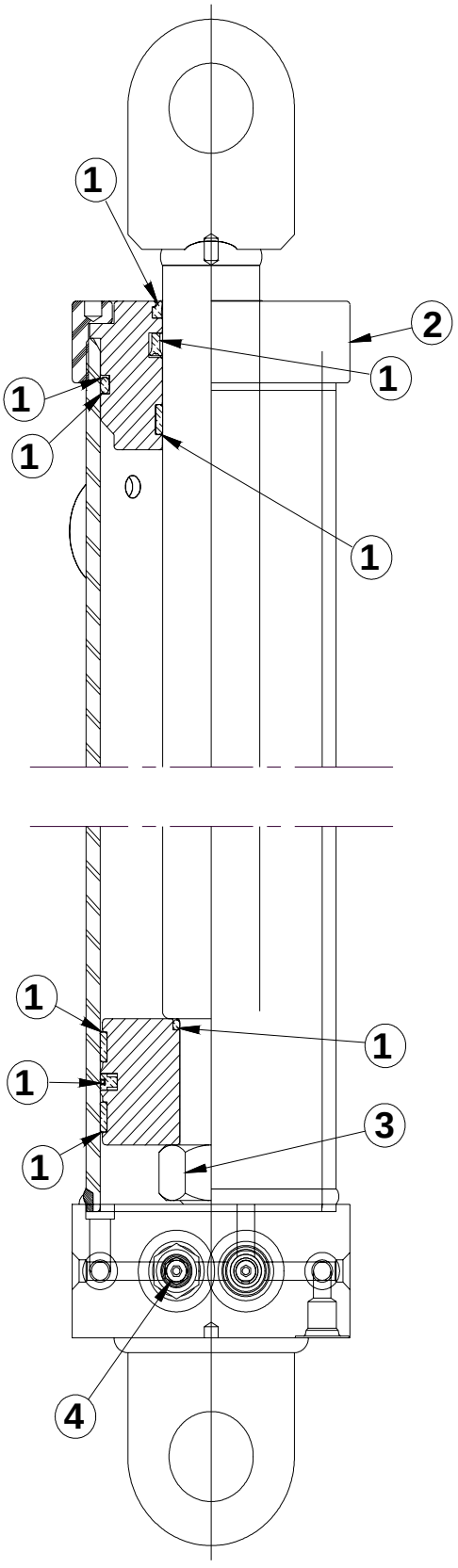


12/F



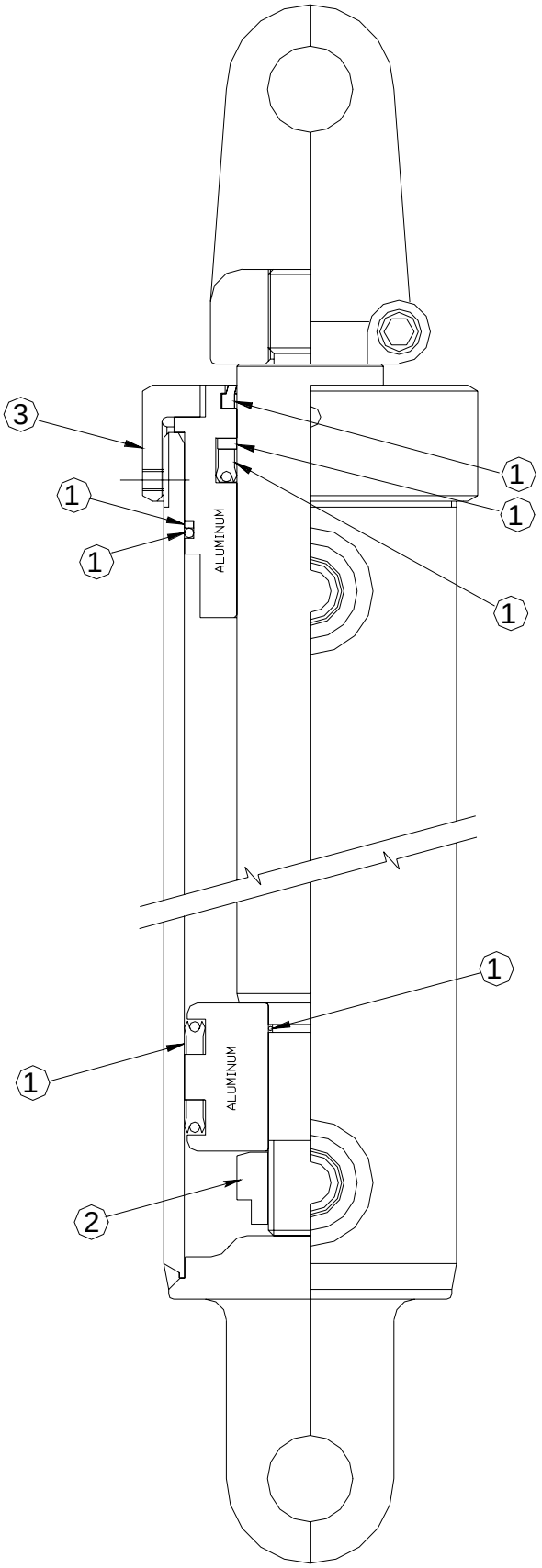
ROADTEC P/N. 144901-01
SOUTHERN HYD. P/N. 4017210

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



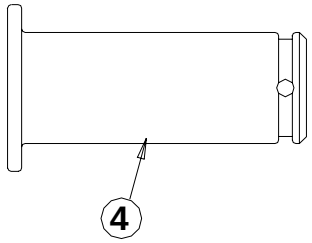
ROADTEC P/N. 93833-02
TEXAS HYD. P/N. TH3008028CA

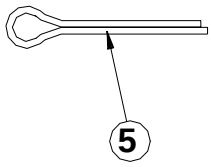
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	93833-02-C1	SEAL KIT	1
2	93833-02-C6	LOCK NUT	1
3	93833-02-C5	HEAD CAP	1
4	89032-04	CLEVIS PIN	2
5	89034-04	COTTER PIN	2

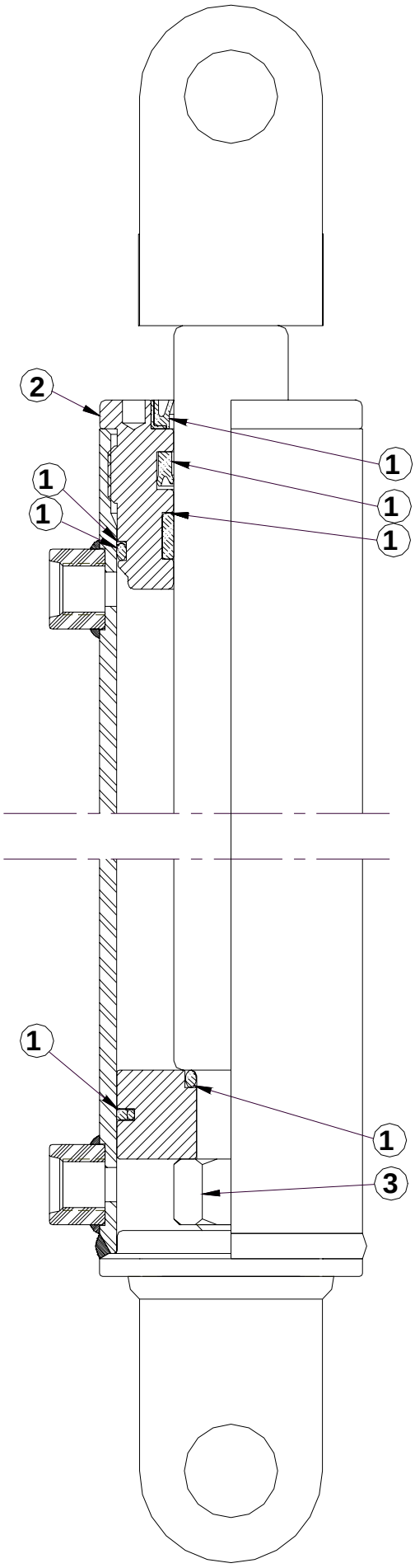


ROADTEC P/N. 97482-01
SOUTHERN HYD. P/N. 2512122

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

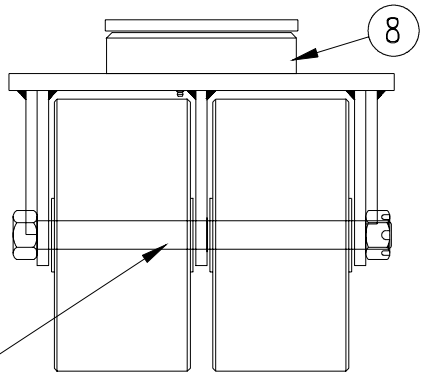


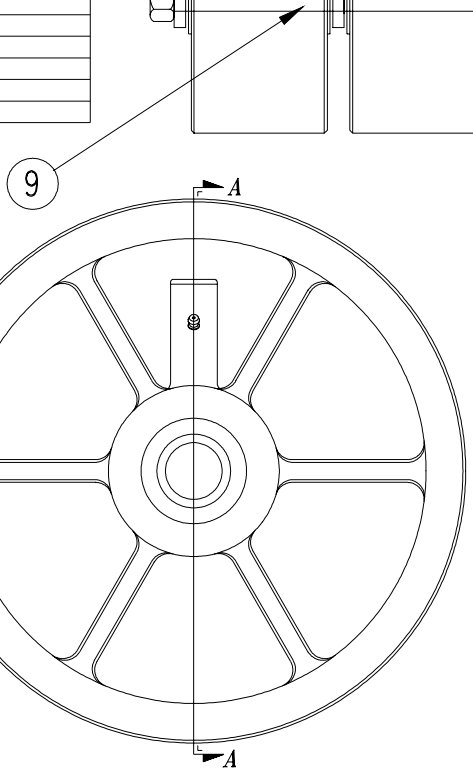




ROADTEC P/N 132001-04
RWM P/N PSB-100-F-15

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*

