ROADTEC SB-2500C MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 204469-L
S/N. 824-831
© ROADTEC, INC. 1/06

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.

ROADTEC
an Astec Industries Company

ROADTEC, INC.
Chattanooga, Tennessee

CALIFORNIA

Proposition 65 Warning

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

GENERAL INFORMATION

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

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

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

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

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

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

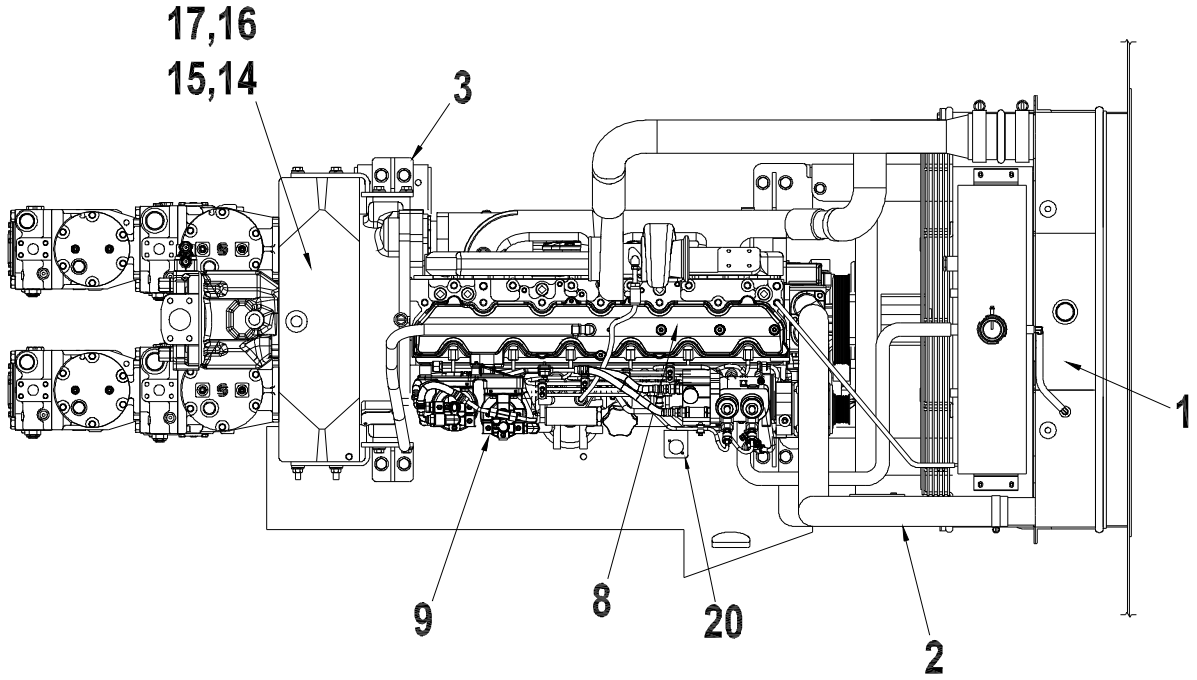
MACHINE RECORD **DATE PURCHASED** _____

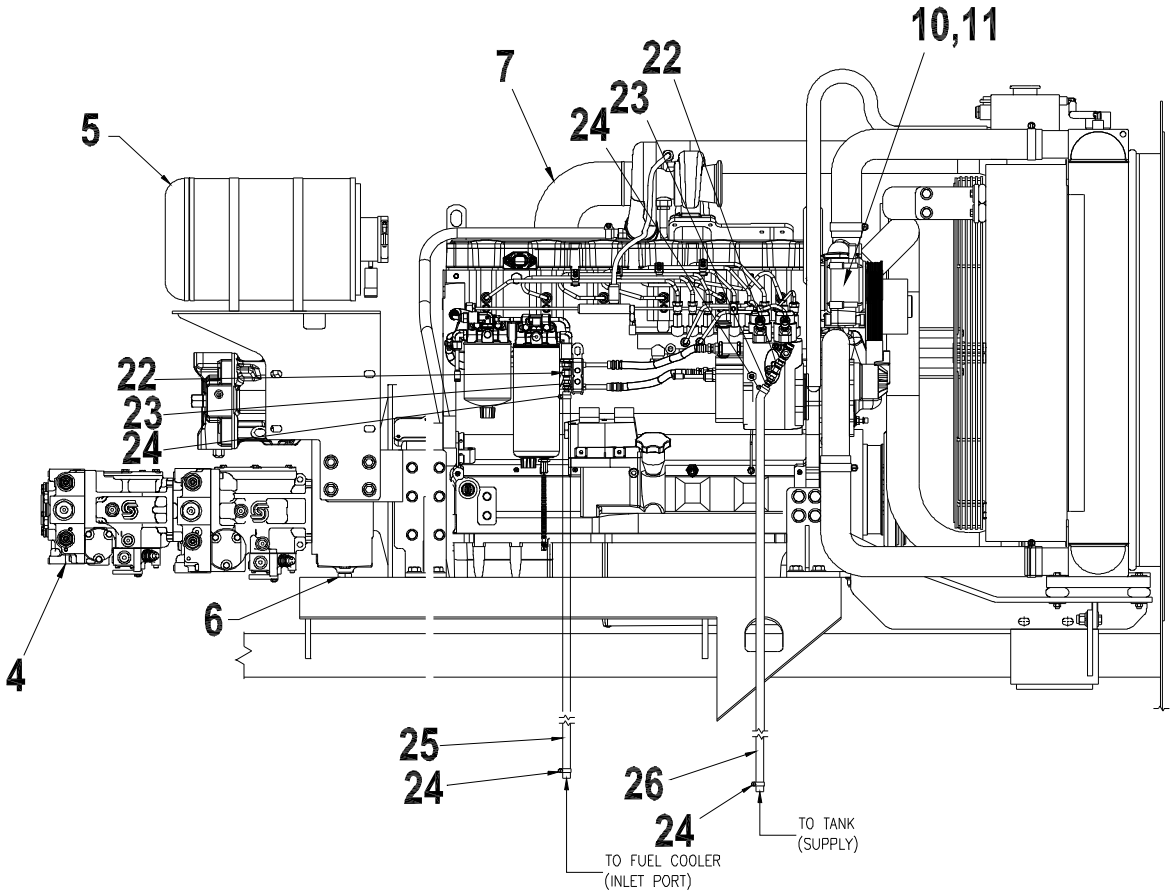
MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:
SCREED MODEL:
SERIAL NO.:
CATALOG NO.:

SECTION 1 : ENGINE

ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE	214922-01	824 & UP	1.1
RADIATOR	214937-01	820 & UP	1.3
AIR INTAKE	214564-01		1.7
EXHAUST	214827-01		1.9
PUMPS	214923-01	824 & UP	1.13
CHARGE AIR / RADIATOR HOSE	204156-01		1.17
DURST OIL DRAIN	142903-01		1.19

SB-2500C ENGINE ASSEMBLY
(214922-01)





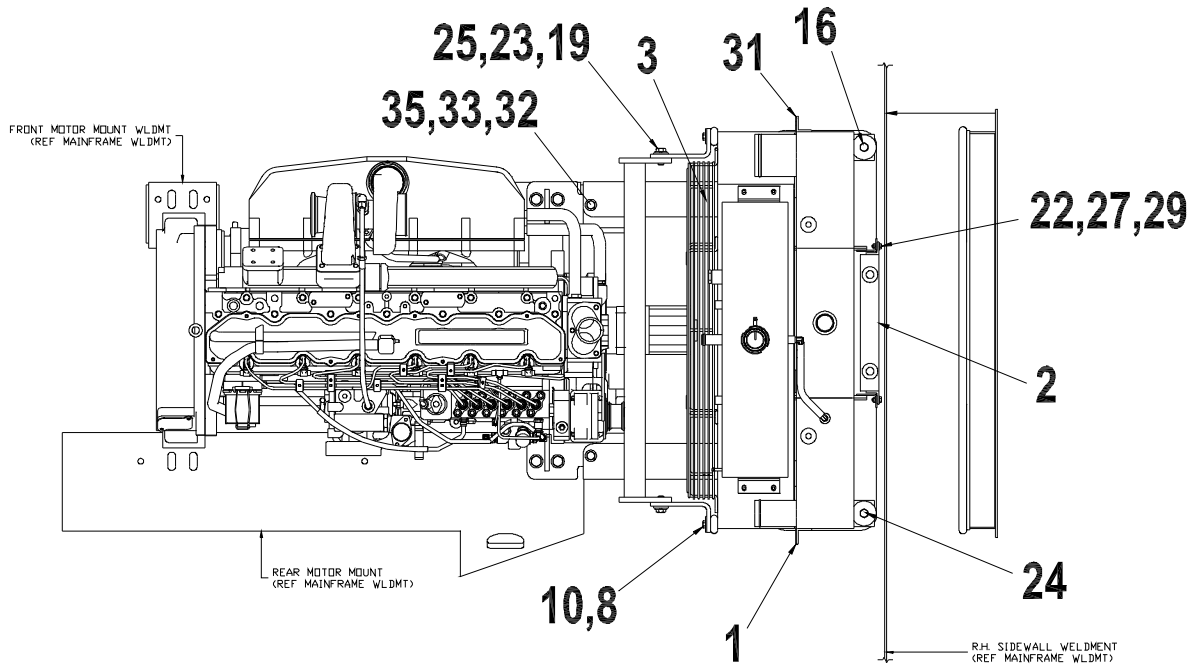
SB-2500C ENGINE ASSEMBLY
(214922-01)

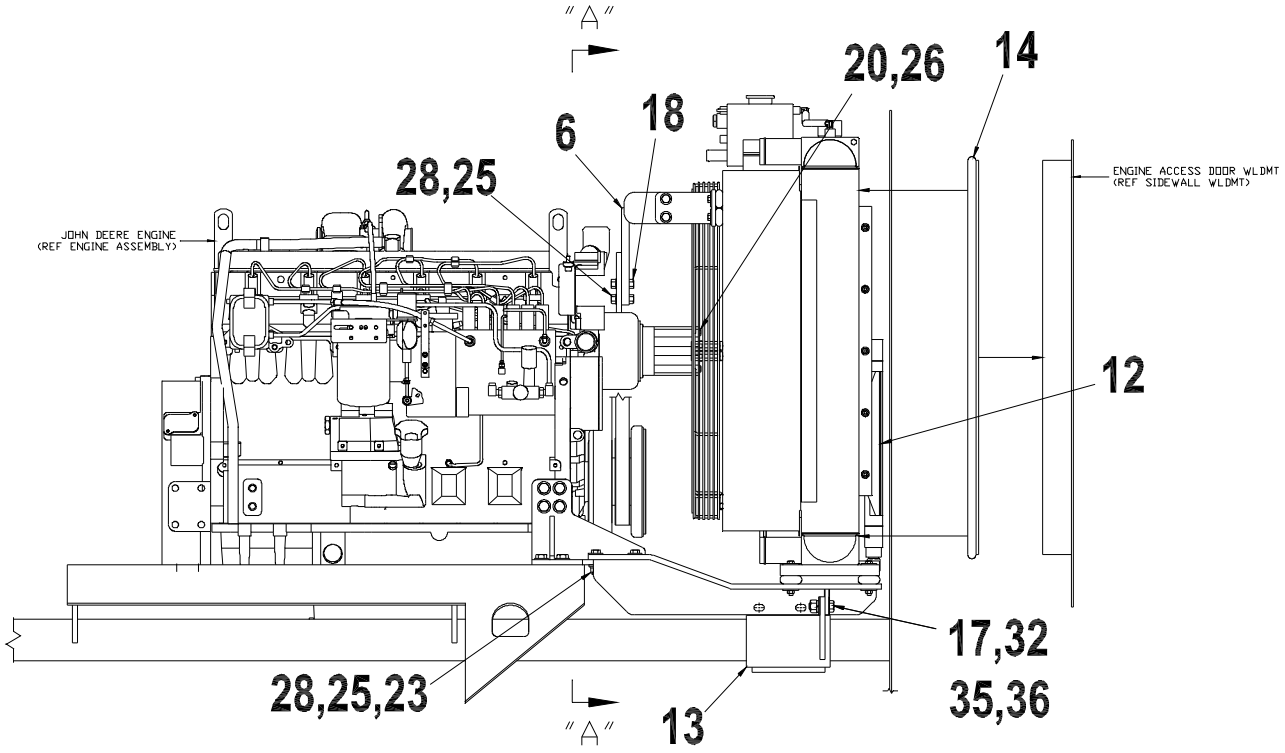
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214937-01	RADIATOR SUB-ASSY.	1
2	204156-01	CHARGE AIR / RADIATOR HOSE SUB-ASSY.	1
3	204199-01	ENGINE MOUNT SUB-ASSY.	1
4	214923-01	PUMP SUB-ASSY.	1
5	214564-01	AIR INTAKE SUB-ASSY.	1
6	142903-01	DURST OIL DRAIN SUB-ASSY.	1
7	214827-01	EXHAUST SUB-ASSY.	1
8	140613	TURBO BLANKET KIT	1
9	211359-03	ENGINE - 8.1 LITRE JOHN DEERE (TIER II)	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	96475	HEX BOLT - 3/8-16 X 2"	2
14	141615-01	DRIVE PLATE SPRING COUPLING	1
15	97027	S.H.C.S. BOLT - 3/8-16 GR8	8
16	83056	LOCK WASHER - 3/8" SPRING STEEL	8
17	88960	FLUIDS - LOCK TITE #242 BLUE	1
18	88961	FLUIDS - LOCK TITE #271 RED	.5
19	142804-04	ENGINE OIL DRAIN TAG	1
20	205410-03	DIAGNOSTIC PLUG BRACKET	1
21	139741-04	LOCK NUT - 1/2-13 CENTER GR8	1
22	211299-04	FIT - 3/8" FL FACE X 6 JIC M	2
23	211298-04	FIT - 6 JIC F SW X 3/8" 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

SB-2500C RADIATOR ASSEMBLY

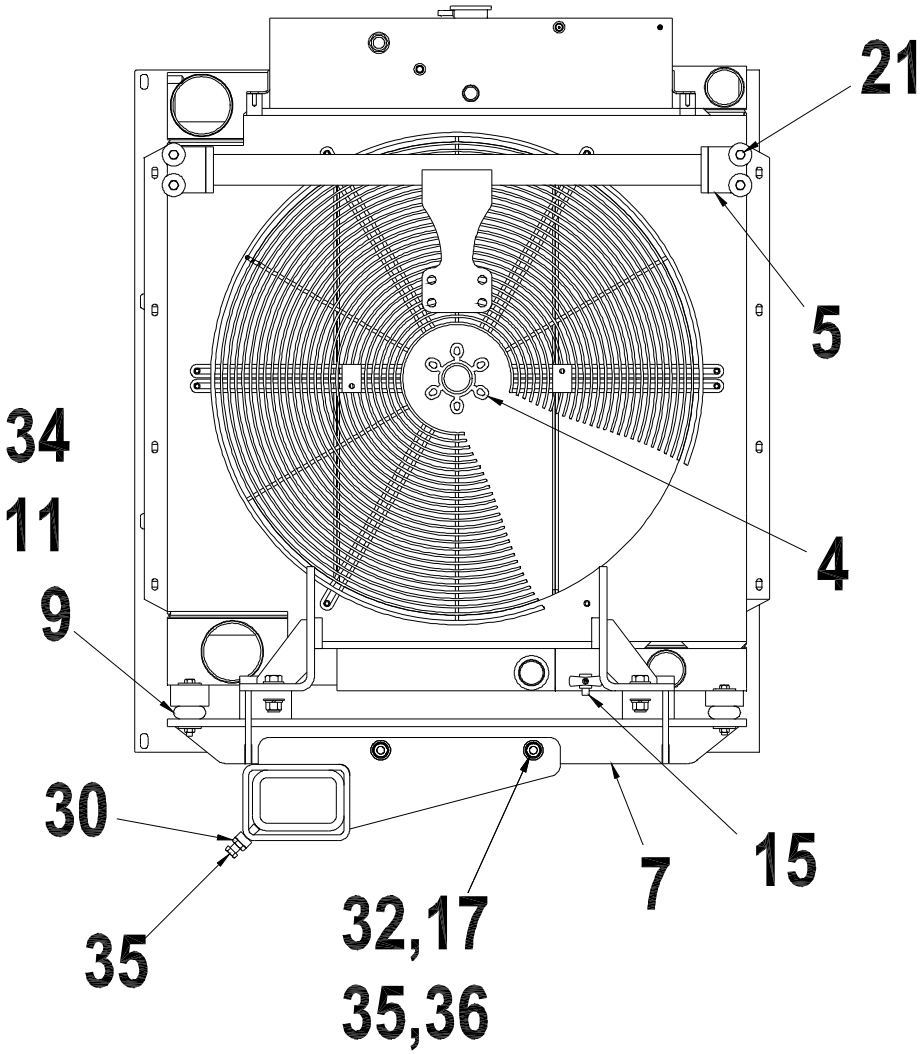
(214937-01)

NEXT PAGE





PREVIOUS PAGE



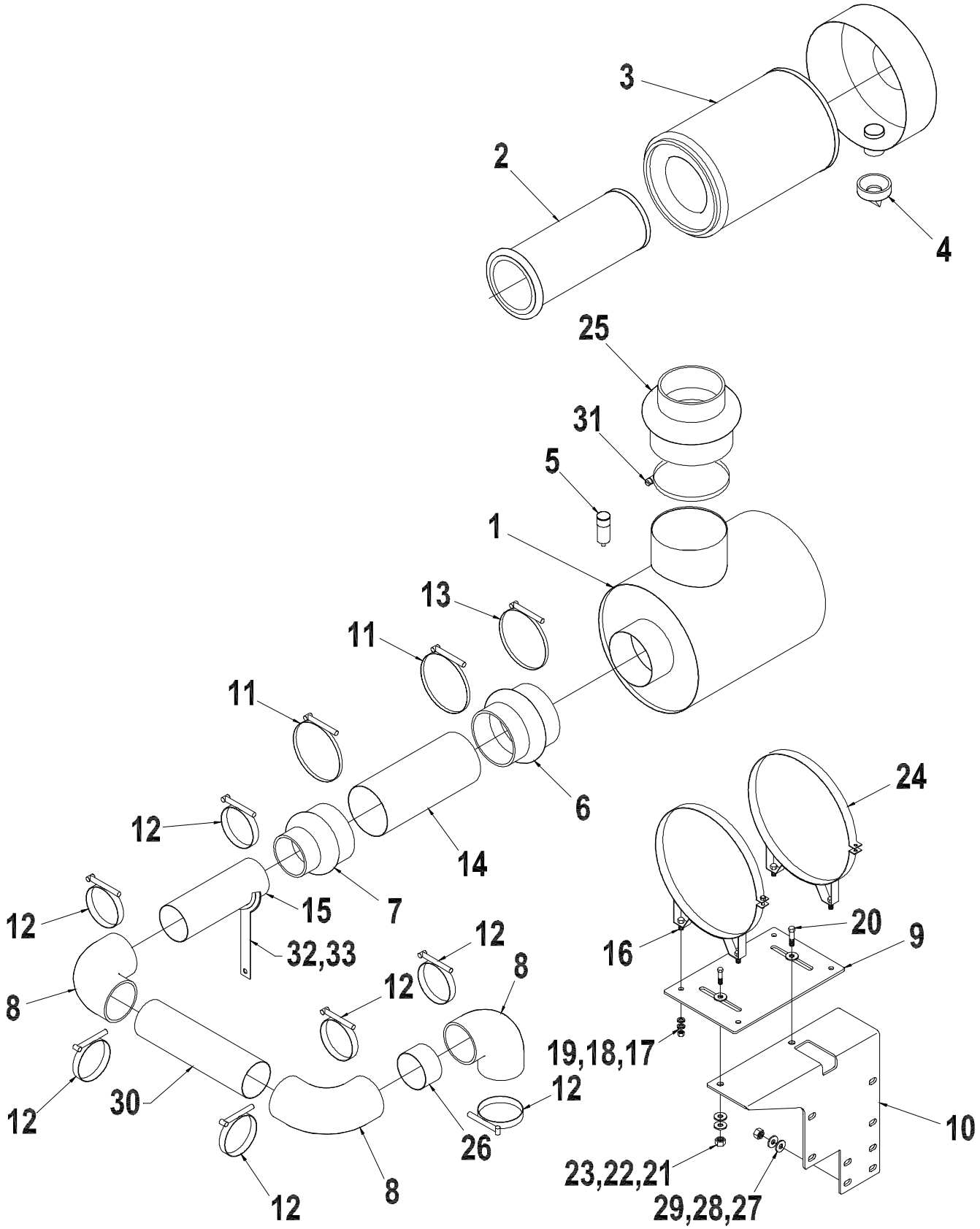
SECTION VIEW "A-A"

SB-2500C RADIATOR ASSEMBLY
(214937-01)

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	SPACER - FAN	1
5	203210-03	TOP SUPPORT EXTENSION	2
6	214938-03	TOP SUPPORT WLDMT.	1
7	203214-02	WLDMT. - 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 DRAIN COCK	1
16	84431-04	HEX BOLT - 1/2-13 X 4"	2
17	85148	HEX NUT - 5/8-11 GR8	2
18	84674	HEX BOLT - 1/2-13 X 2" GR8	6
19	93144	HEX BOLT - 1/2-13 X 1 1/2" GR8	4
20	146095	HEX BOLT - 3/8-16 X 5 1/2" GR8	6
21	95541	HEX BOLT - 3/8-16 X 2 1/4" GR8	4
22	89297	HEX BOLT - 5/16-18 X 1"	4
23	83781-04	FLAT WASHER - 1/2" STEEL	10
24	90874	HEX BOLT - 1/2-13 X 3 1/2" LG	2
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 - 1/4-20 GR8	4
30	27D22	JAM NUT - 5/8-11 GR8	2
31	130771	CLAMP - 1/2" CUSHION X 3/8" BOLT	2
32	84717	LOCK WASHER - 5/8" SPRING STEEL	4
33	26F83	FLAT WASHER - 5/8" A325 (1 5/16" OD) HW	4
34	203229-03	WASHER - RUBBER MOUNT TAIL (1/2" BOLT)	4
35	96041	HEX BOLT - 5/8-11 X 2"	6

ENGINE AIR INTAKE ASSEMBLY

(214564-01)

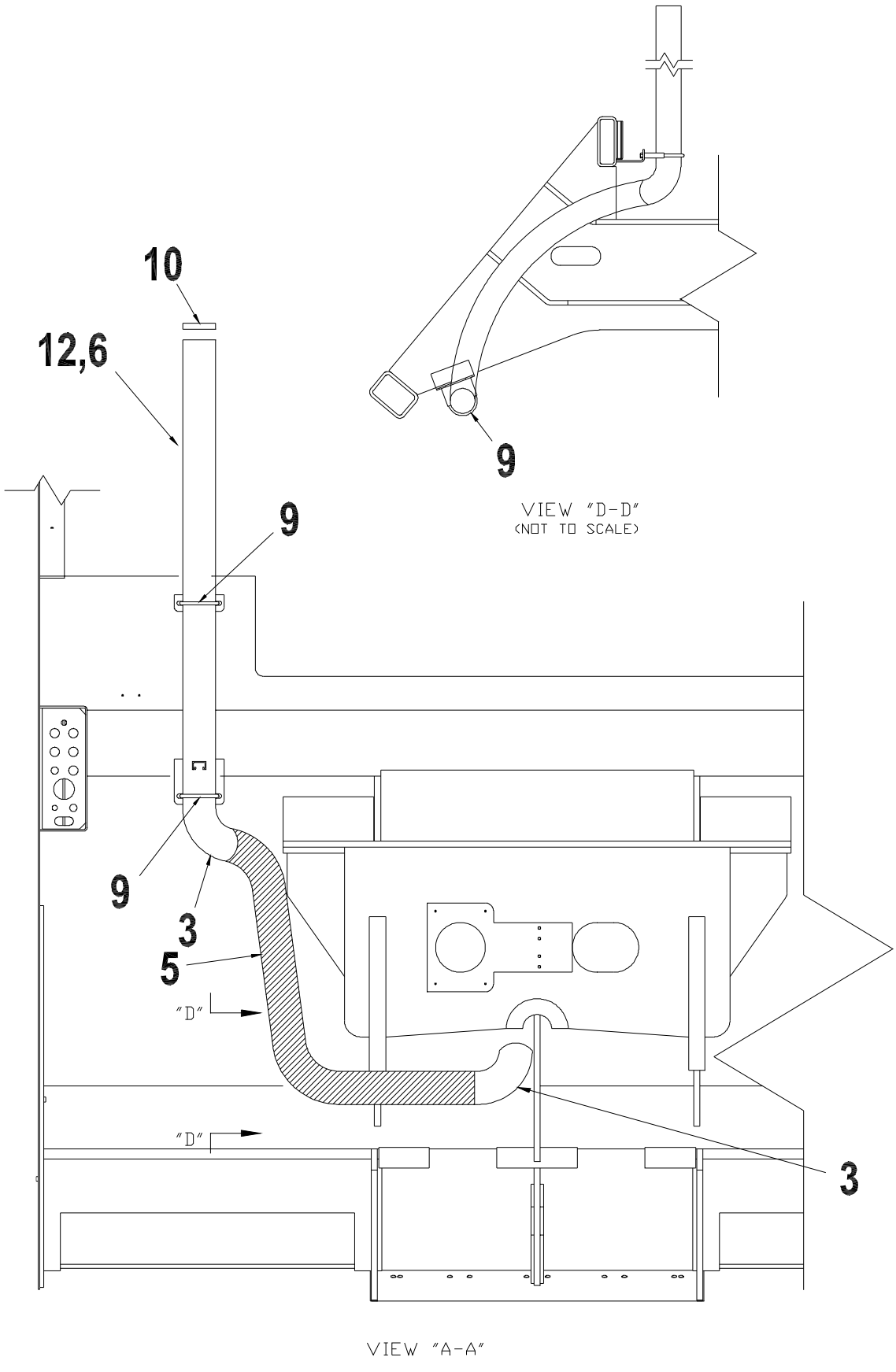


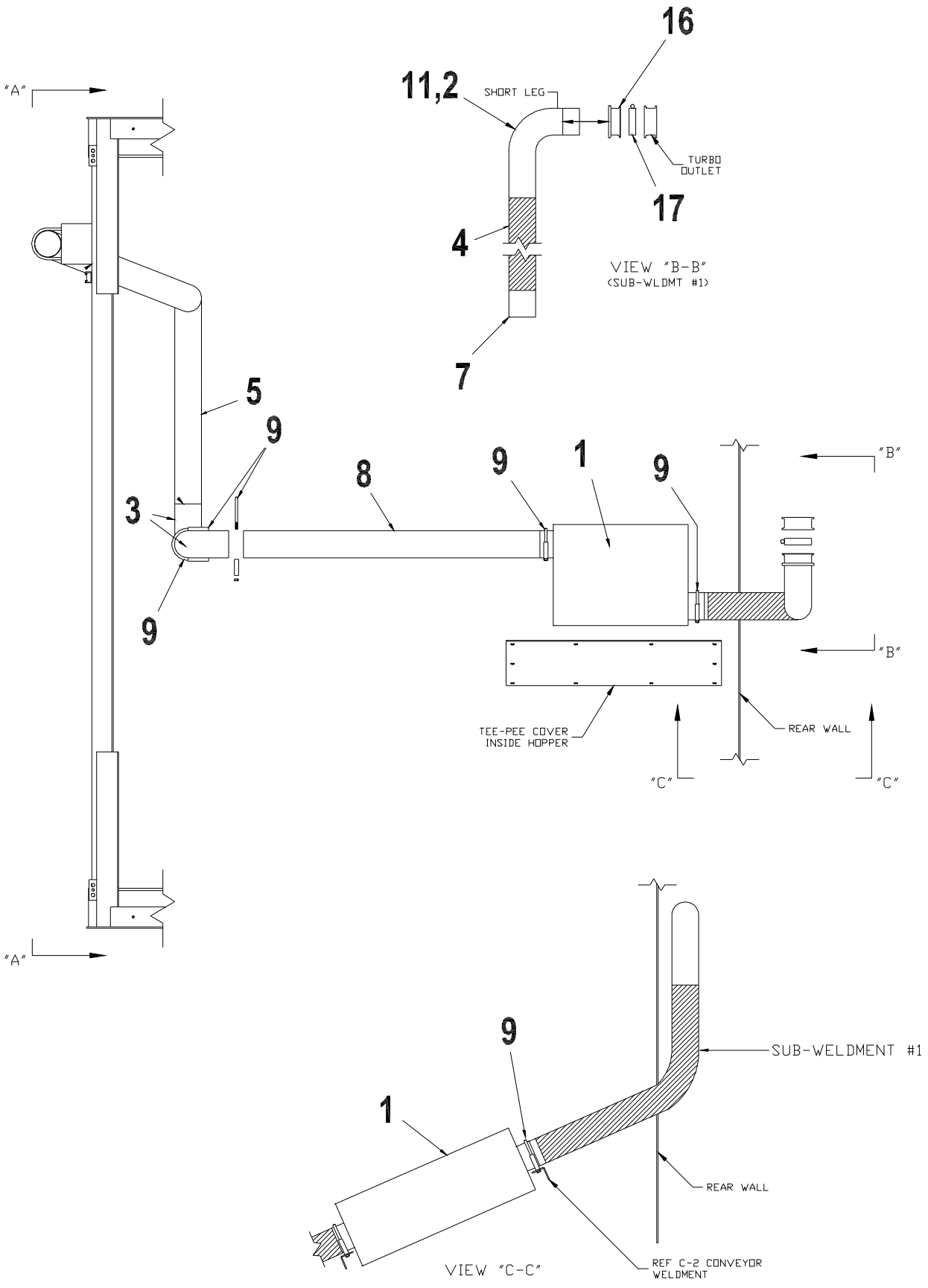
ENGINE AIR INTAKE ASSEMBLY
(214564-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203086-03	AIR CLEANER (COMPLETE)	1
2	203086-03-C1	INNER AIR FILTER	REF
3	203086-03-C2	OUTER AIR FILTER	REF
4	203086-03-C3	VACUATOR FILTER	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 (ALUM)	1
15	10220	TUBE - 4" OD X 1/16" X 13" LG (ALUM)	1
16	84332	HEX BOLT - 3/8-16 X 1" GR8	5
17	83757	FLAT WASHER - 3/8" STEEL	5
18	83056	LOCK WASHER - 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	5
22	83317	LOCK WASHER - 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" X 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	LOCK WASHER - 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
32	214561-04	PLATE	1
33	86505-04	MOLDING - INTERLOCK 3/8" X 5 1/4" LG	5 1/4"

ENGINE EXHAUST ASSEMBLY
(214827-01)

NEXT PAGE




16
11,2
SHORT LEG
TURBO OUTLET
17
4
7
VIEW "B-B"
(SUB-WLDMT #1)
"A"
5
9
3
8
9
1
9
"B"
9
"B"
TEE-PEE COVER INSIDE HOPPER
REAR WALL
"C"
"C"
"A"
9
SUB-WELDMENT #1
1
REAR WALL
VIEW "C-C"
REF C-2 CONVEYOR WELDMENT

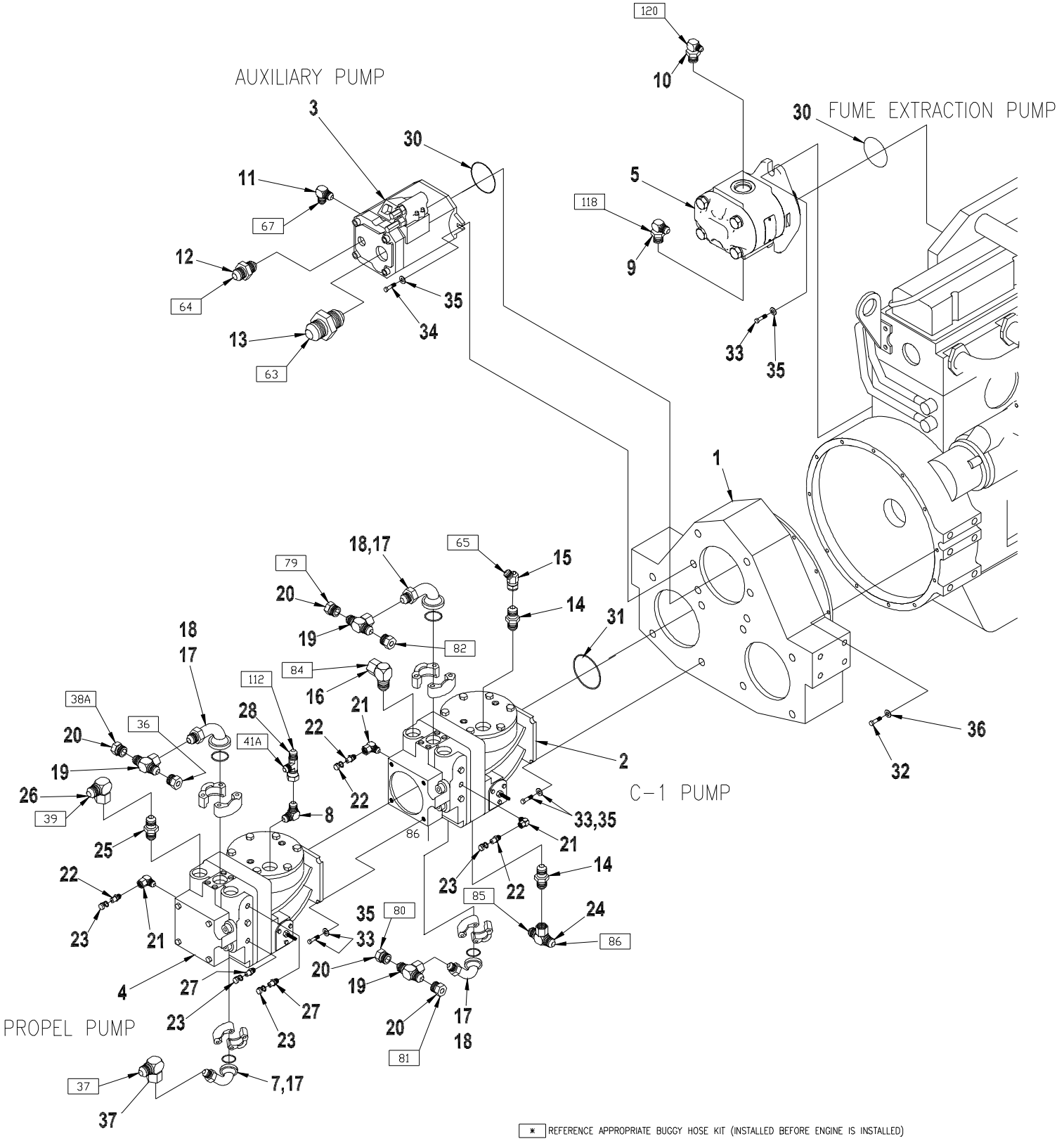
ENGINE EXHAUST ASSEMBLY
(214827-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	203265-03	MUFFLER - 10" X 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	214849-03	FLEXIBLE EXH. TUBE - 4" OD X 36" LG 304 SS	1
5	214848-03	FLEXIBLE EXH. TUBE - 4" OD X 80" LG 304 SS	1
6	OO930	TUBE - 4" OD X 16 GA. X 56" (A-513)	1
7	OO930	TUBE - 4" OD X 16 GA. X 6" (A-513)	1
8	OO930	TUBE - 4" OD X 16 GA. X 46" (A-513)	1
9	93129	EXHAUST - 4" PIPE CLAMP	8
10	93128	EXHAUST - 4" RAIN CAP	1
11	201494-03	INSULATION - TURBO EXHAUST WRAP	1
12	201123-03	INSULATION - TAIL PIPE EXHAUST WRAP	1
13			
14			
15			
16		EXHAUST V-FLANGE (SUPPLIED WITH ENGINE)	REF
17		TURBO V-CLAMP (SUPPLIED WITH ENGINE)	REF

ENGINE PUMPS ASSEMBLY

(214923-01)

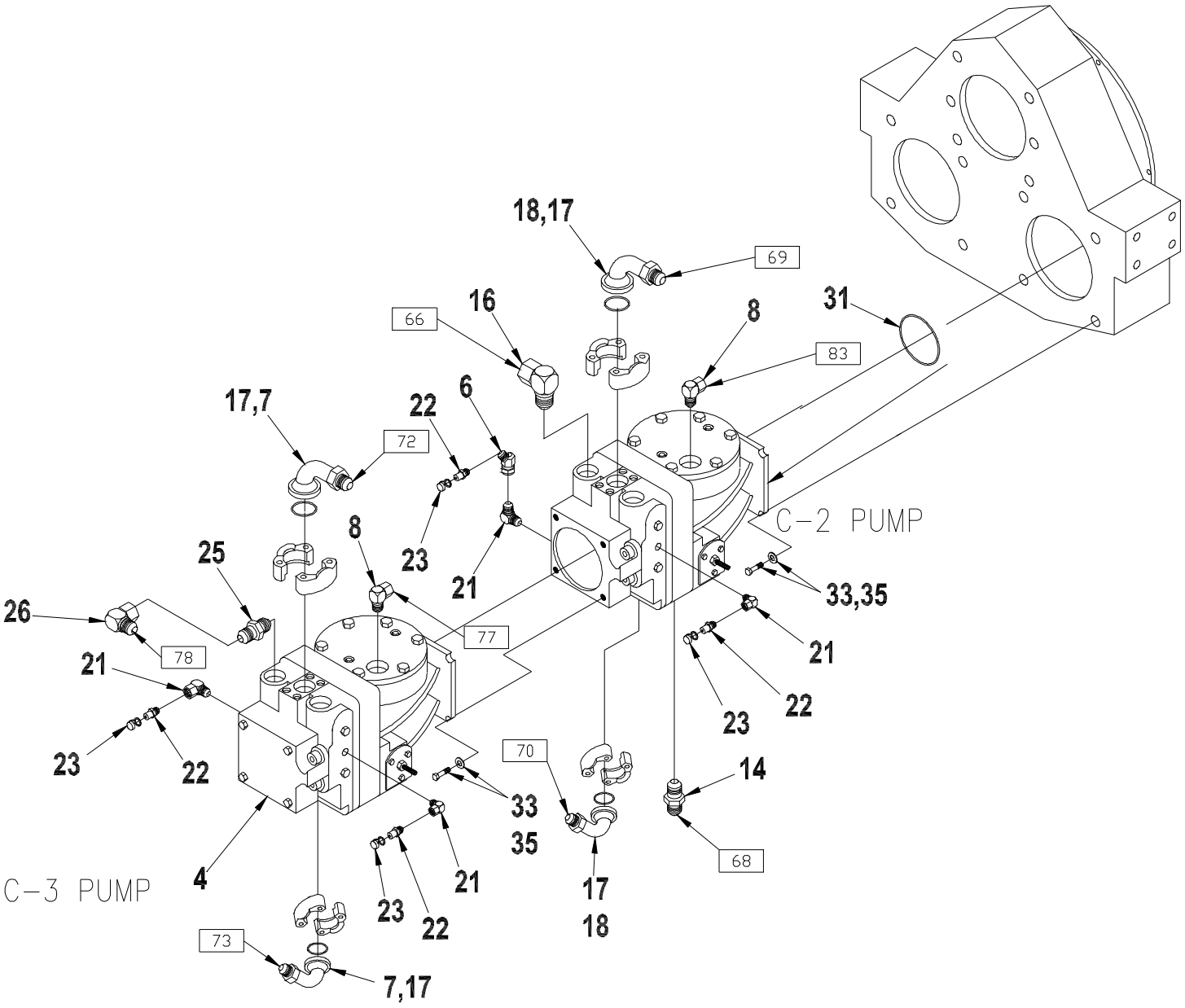
NEXT PAGE



* REFERENCE APPROPRIATE BUGGY HOSE KIT (INSTALLED BEFORE ENGINE IS INSTALLED)

* REFERENCE APPROPRIATE BUGGY HOSE KIT (INSTALLED AFTER ENGINE IS INSTALLED)

PREVIOUS PAGE



* REFERENCE APPROPRIATE BUGGY HOSE KIT (INSTALLED BEFORE ENGINE IS INSTALLED)

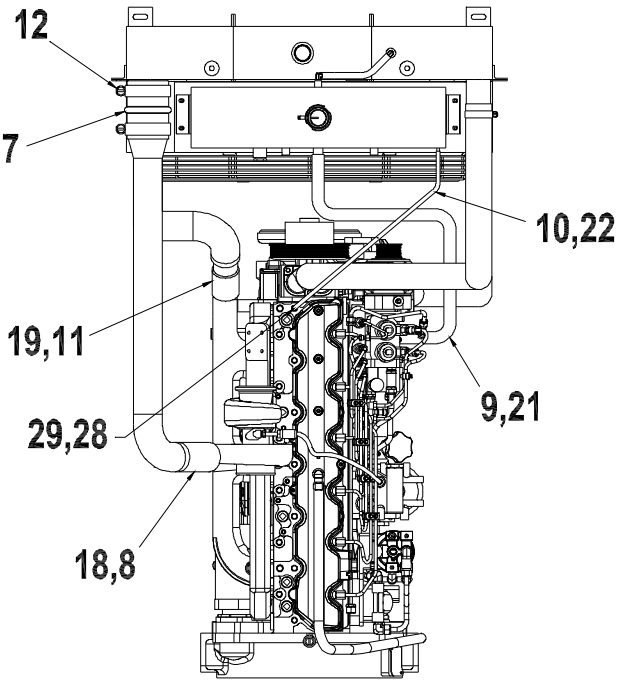
* REFERENCE APPROPRIATE BUGGY HOSE KIT (INSTALLED AFTER ENGINE IS INSTALLED)

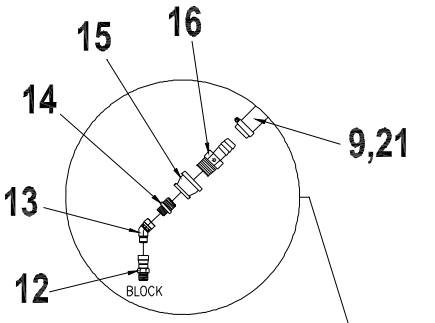
ENGINE PUMPS ASSEMBLY
(214923-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	144422-01	TRANS - PUMP DRIVE 3 PAD W/ SPEED UP	1
2	99814	PUMP - SUN STRAND 90/100 (C-1 & C-2)	2
3	211743-04	PUMP - 45CC PRESSURE COMPENSATED	1
4	29J94	PUMP - SUN STRAND 90/75 (C-3 & DRIVE)	2
5	206600-04	PUMP - 1.37 CID GEAR CW ROTATION	1
6	90768-04	FIT - 6 JIC 45 DEG. SWIVEL	1
7	92775	FIT - 16 JIC X 16 FLG. 90 DEG. CODE 62	3
8	91664-04	FIT - 12 SAE X 12 JIC 90 DEG.	1
9	127491	FIT - 8 JIC - 12 SAE 90 DEG.	1
10	91660	ELBOW - 16 JIC - 16 SAE 90 DEG.	1
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 STRAIGHT	1
14	83457-04	FIT - 12 SAE X 12 JIC STRAIGHT	2
15	90952-04	FIT - 12 JIC SWIVEL 45 DEG.	1
16	97168	FIT - 20 SAE X 20 JIC 90 DEG.	2
17	90729	KIT - #16 FLANGE KIT	8
18	95981	FIT - 16 X 20 JIC FLG. 90 DEG.	4
19	99556	FIT - 20 JIC SWIVEL 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 SWIVEL 90 DEG.	2
27	85948-04	FIT - 6 SAE TEST PORT	2
28	85303-04	FIT - 12 SAE RUN TEE	1
29	99534	FIT - 16 X 20 JIC FLG. 45 DEG.	1
30	211562-04	O-RING - 2-155	2
31	97489	KIT - O-RING 70D	2
32	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	12
33	93144	HEX BOLT - 1/2-13 X 1 1/2" GR8	18
34	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	2
35	O5707	CONICAL WASHER - 1/2"	20
36	85148	LOCK WASHER - 3/8" SPRING STEEL	12
37	85216-04	FIT - 20 JIC SWIVEL 90 DEG. ELBOW	1

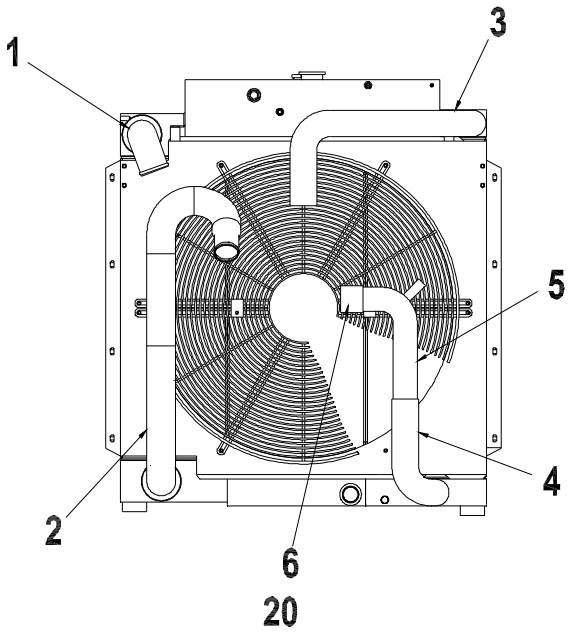
CHARGE AIR / RADIATOR HOSE ASSEMBLY

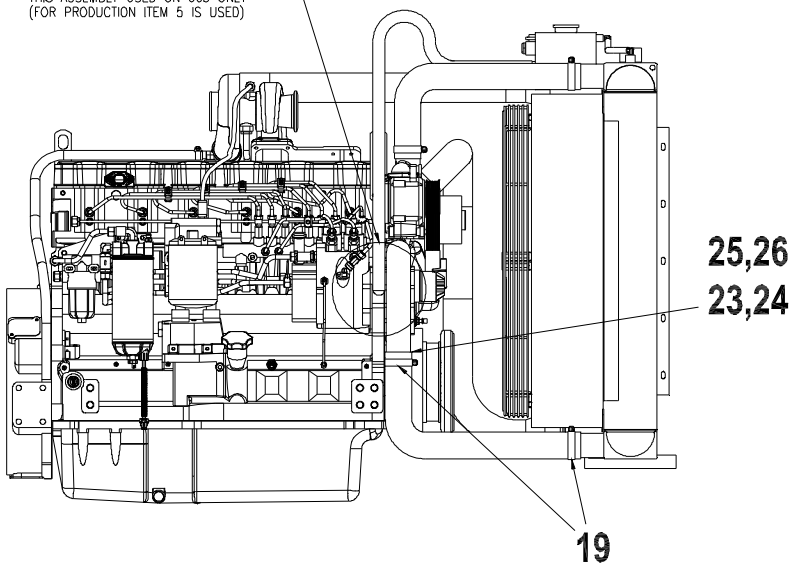
(204156-01)





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





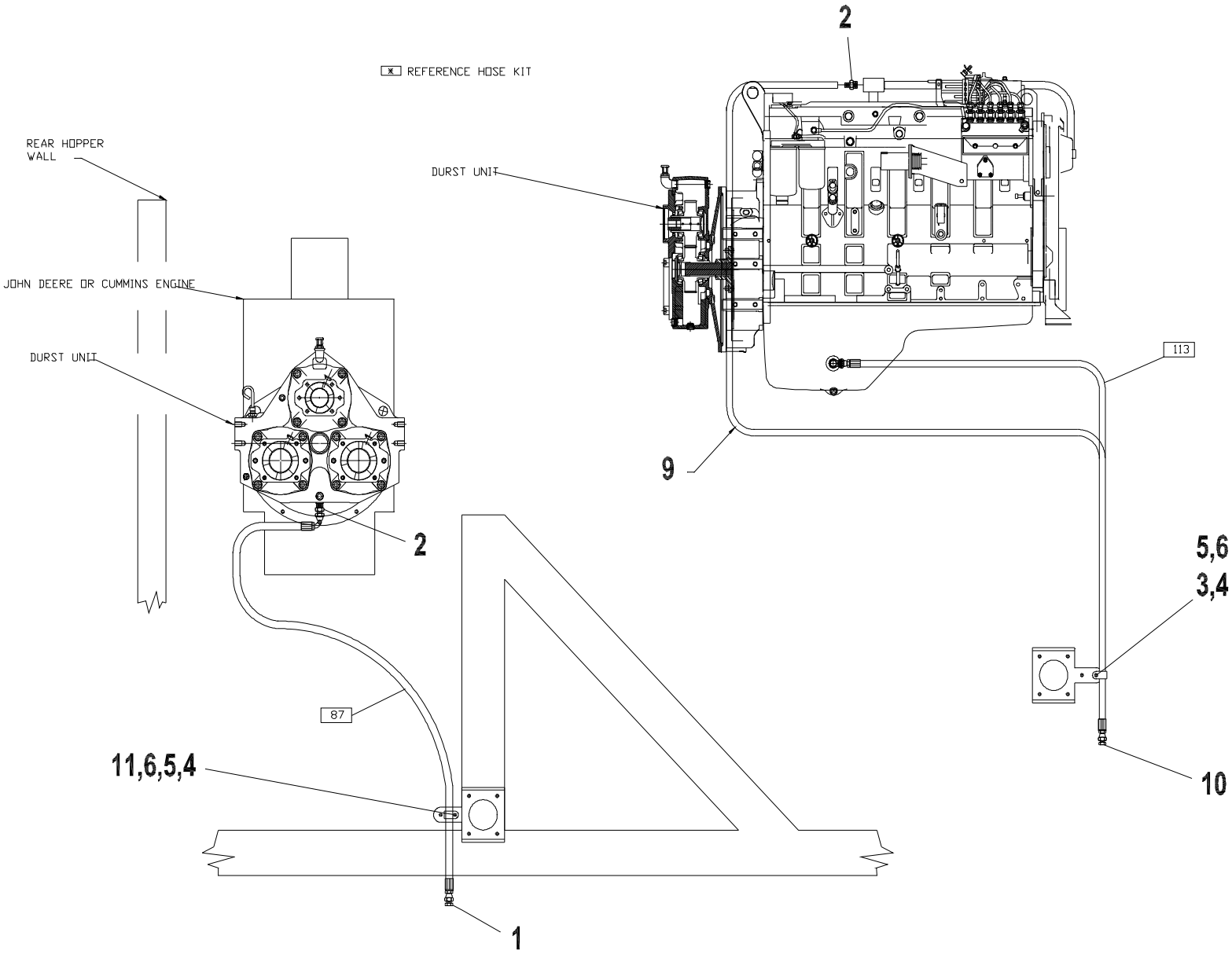
CHARGE AIR / RADIATOR HOSE ASSEMBLY
(204156-01)

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)

NEXT PAGE



SIDE VIEW

PREVIOUS PAGE

DURST OIL DRAIN ASSEMBLY
(142903-01)

INSTALLATION INSTRUCTIONS

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

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

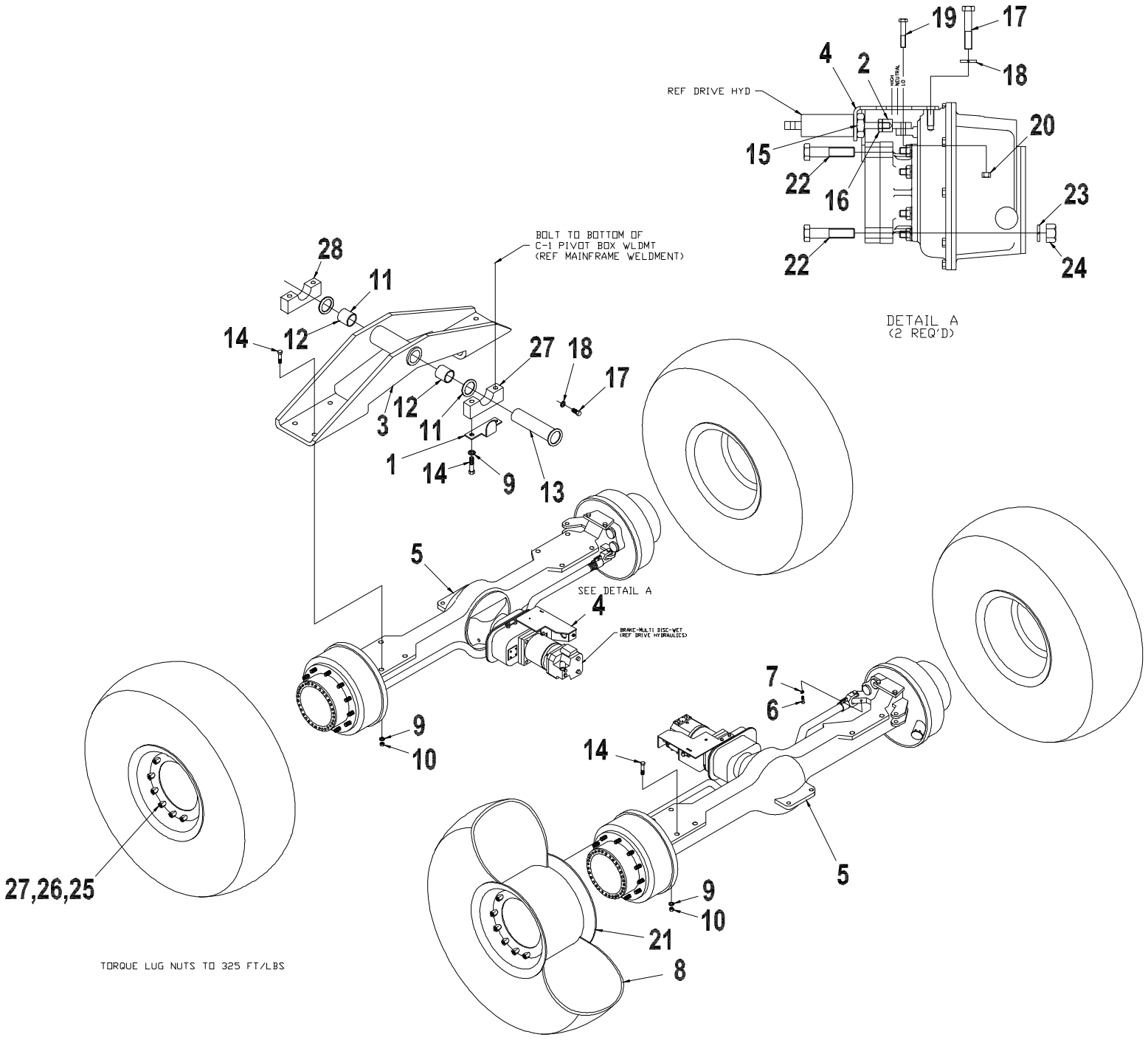
SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	215498-01	679 & UP	2.1
FUEL TANK & WASHDOWN	211385-01	768 & UP	2.3
MAINFRAME	214722-01	824 & UP	2.5
MIRROR	202080-01	640 & UP	2.9
DECAL KIT	201632-01		2.11
OPERATOR'S STATION	213995-01	808 & UP	2.15
PLATFORM & HOOD	214853-01	824 & UP	2.17
STROBE LIGHT	214370-01		2.21

ROADTEC
an Astec company

SB-2500C FRONT & REAR AXLE ASSEMBLY

(215498-01)

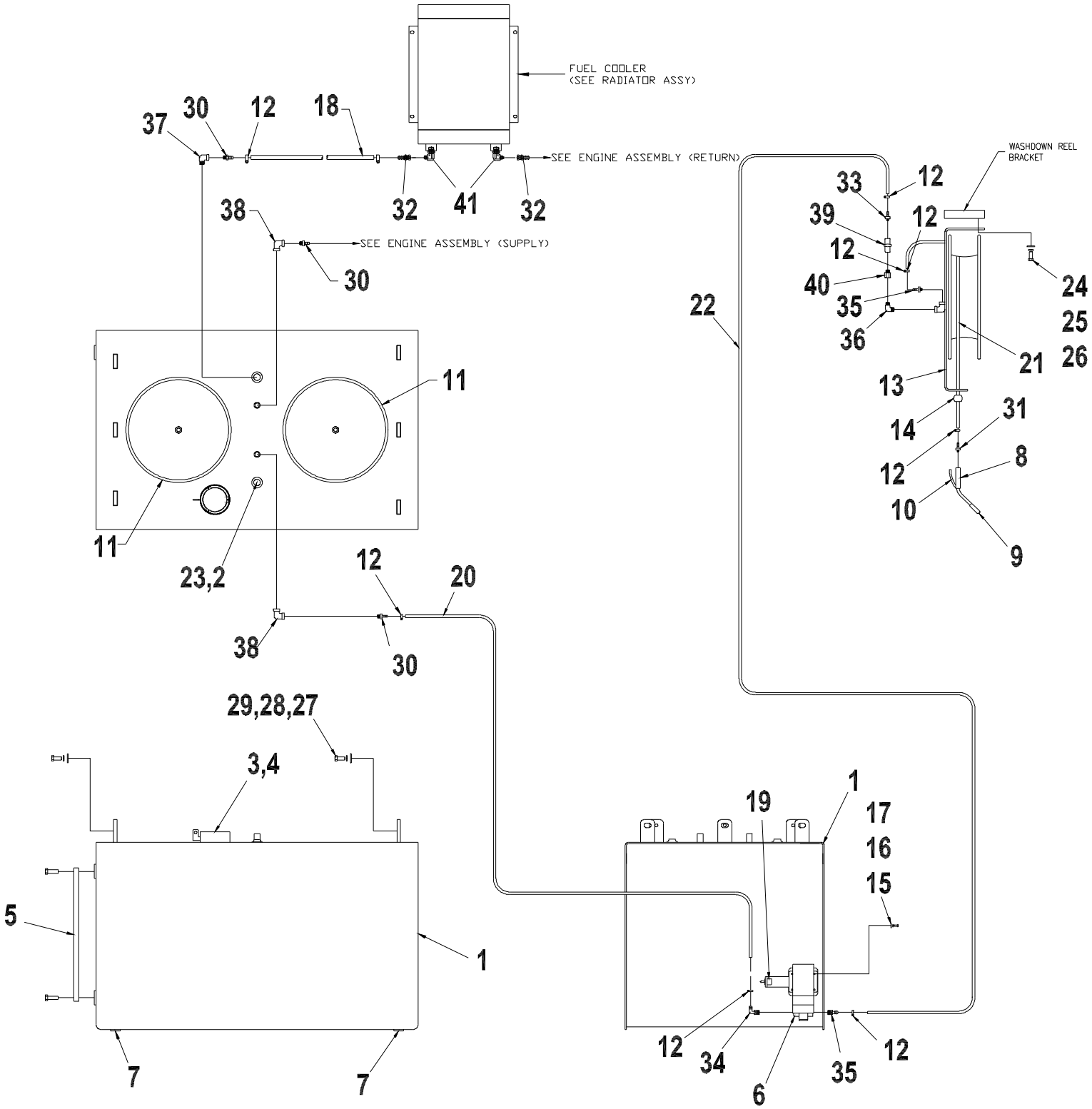


SB-2500C FRONT & REAR AXLE ASSEMBLY
(215498-01)

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	214527-04	PLASTIC 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)

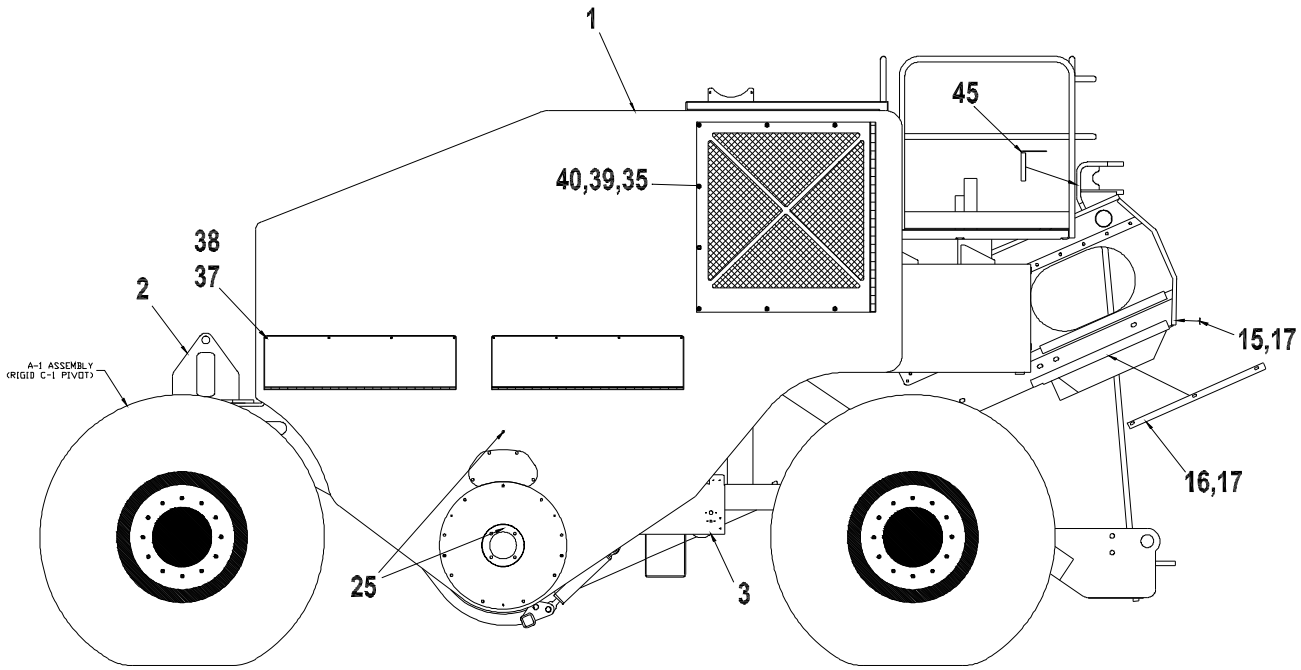


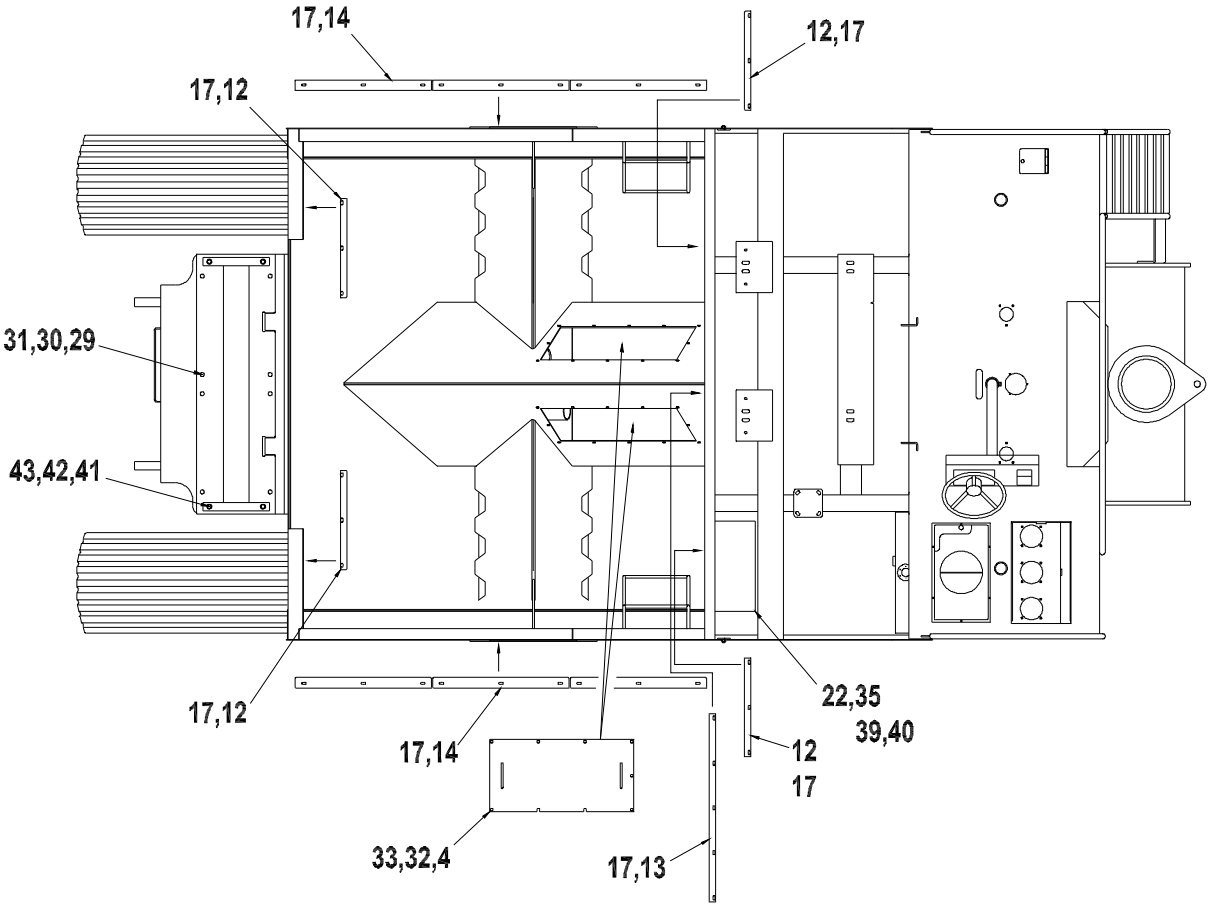
FUEL TANK & WASHDOWN ASSEMBLY
(211385-01)

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
(214722-01)

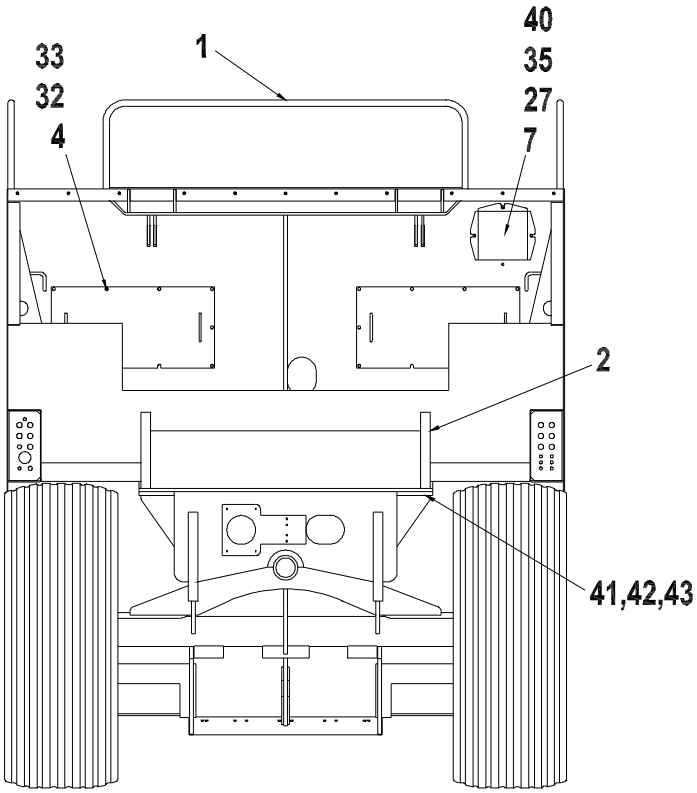
NEXT PAGE

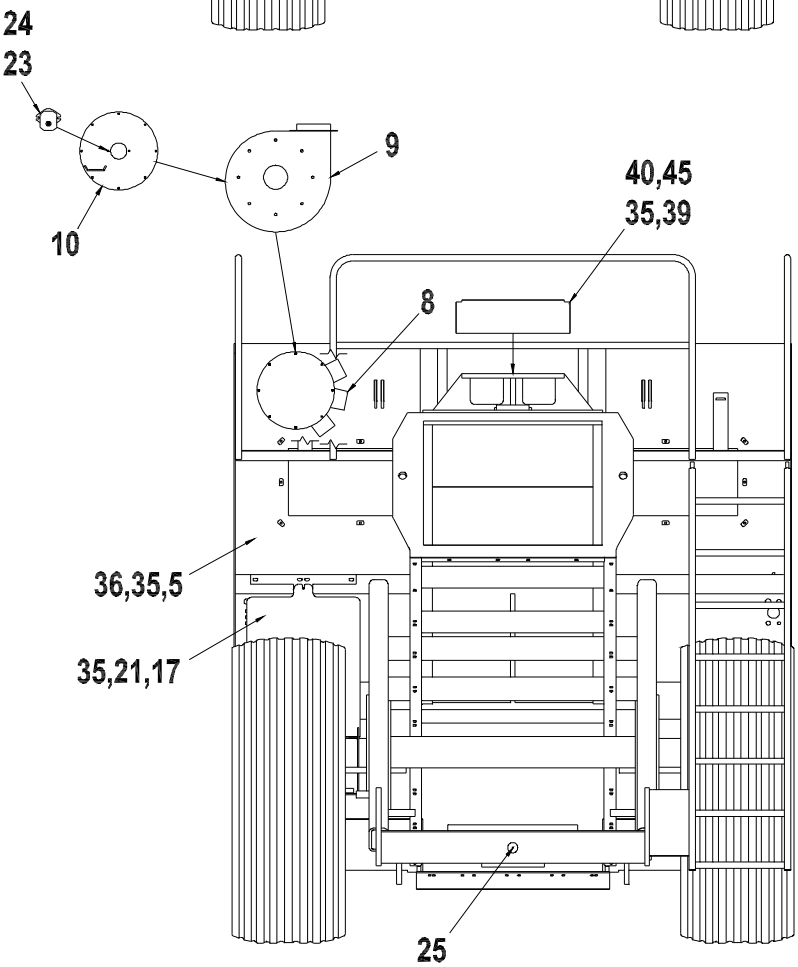




MAINFRAME ASSEMBLY
(214722-01)

PREVIOUS PAGE

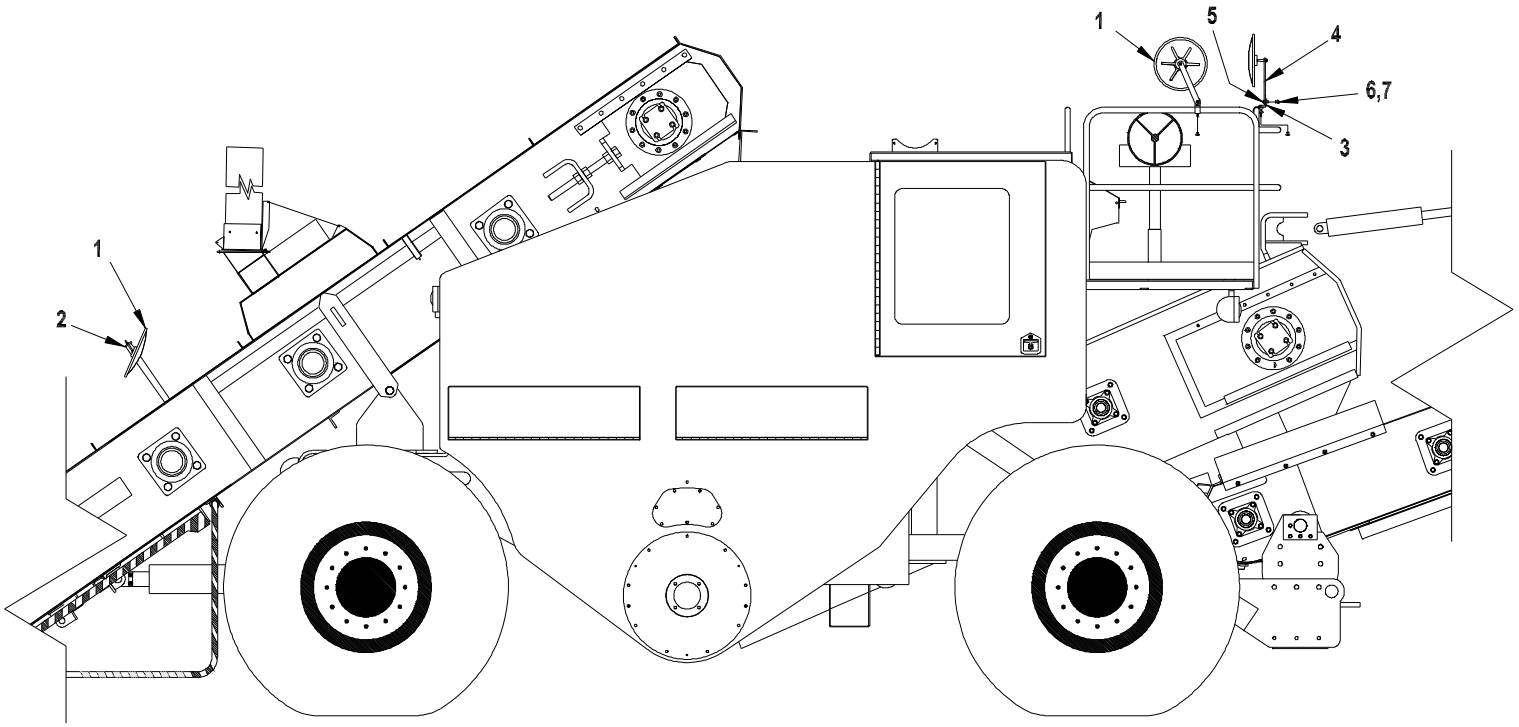




MAINFRAME ASSEMBLY
(214722-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214724-01	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	203340-01	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	144258-01R	CANVAS - RH C-2 HOPPER SIDE (NOT SHOWN)	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

MIRROR ASSEMBLY
(202080-01)

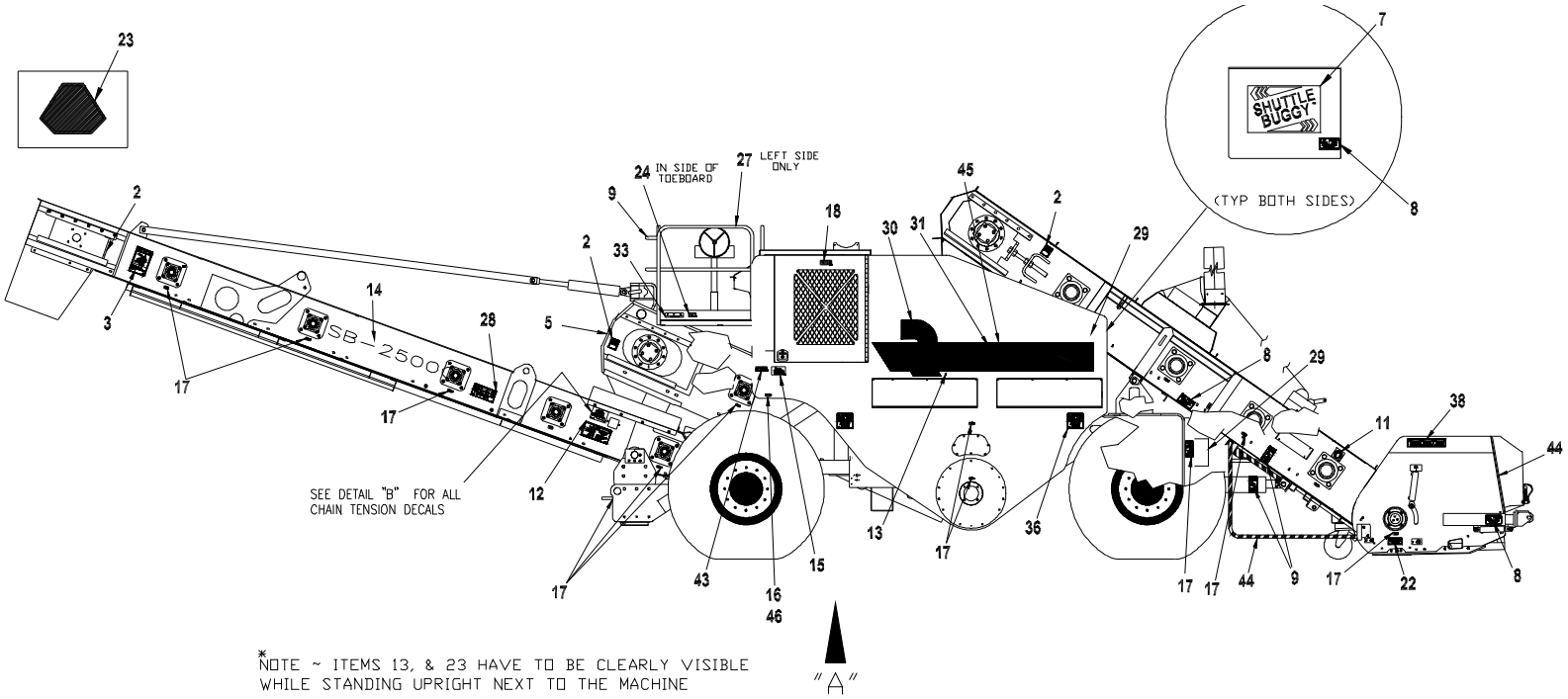


MIRROR ASSEMBLY
(202080-01)

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

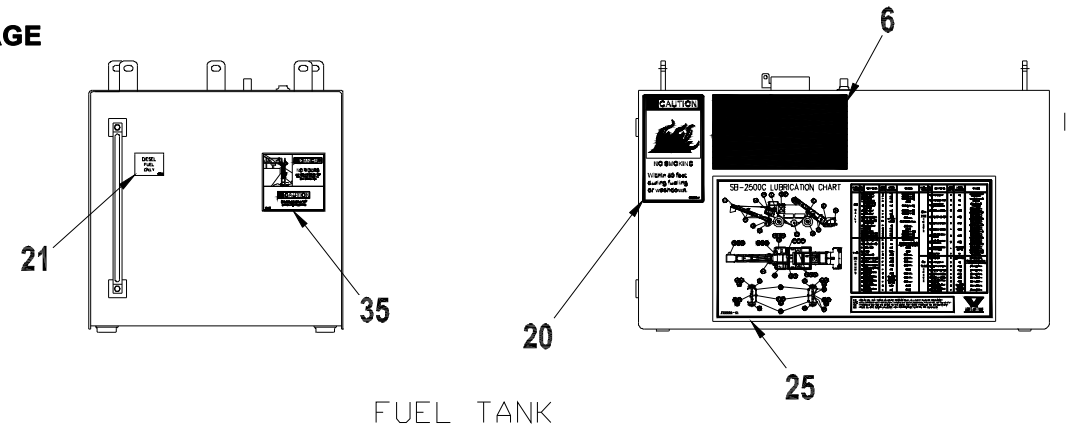


*NOTE ~ ITEMS 13, & 23 HAVE TO BE CLEARLY VISIBLE WHILE STANDING UPRIGHT NEXT TO THE MACHINE

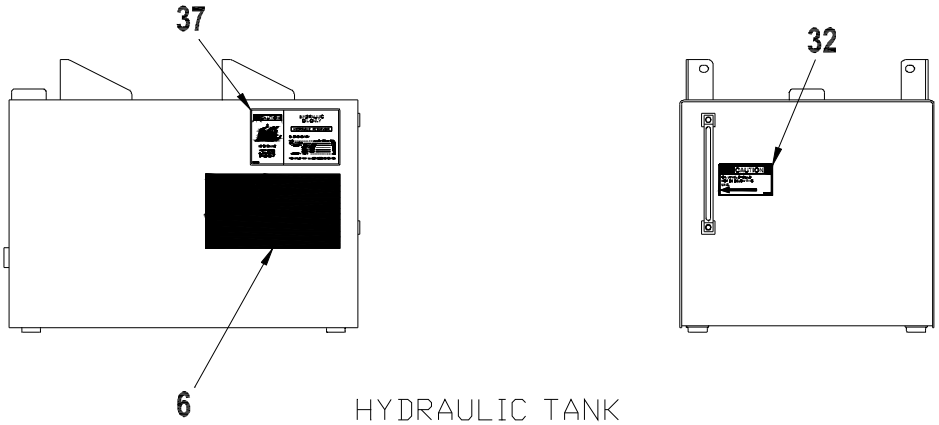
SHOP NOTES:
-ALL DECALS MUST BE APPLIED SO THAT EACH ONE IS CLEARLY VISIBLE
-ITEM 17 TO BE PLACED AT EACH GREASE FITTING OTHER THAN THOSE ON AXLES
-BLACK PAINT TO BE APPLIED TO THE FOLLOWING:

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

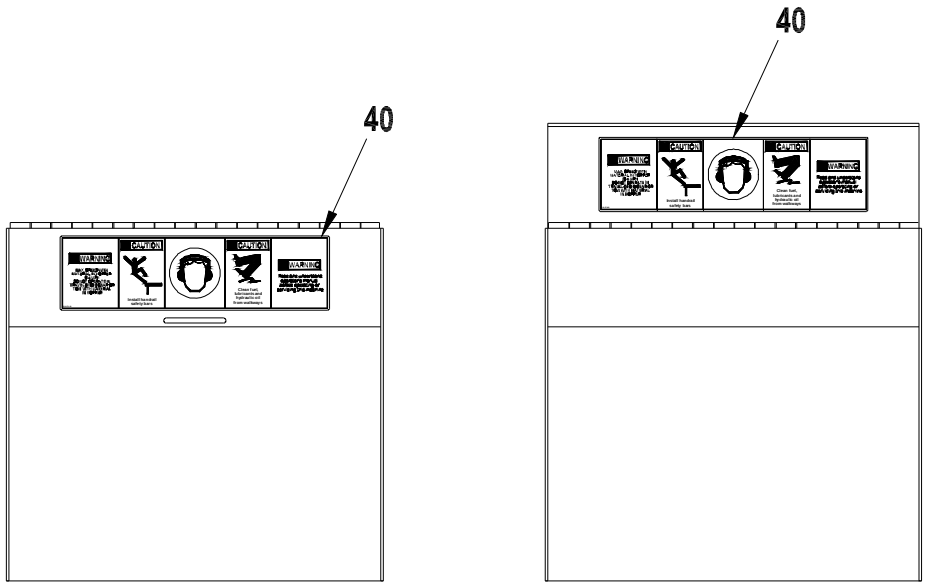
VENDOR NOTES:
-KIT TO BE ARRANGED SEQUENTIALLY BY ITEM NUMBER IN BILL
-INCLUDE (1) COPY OF THIS PRINT IN EACH KIT
-ITEMS 41 THRU 45 ARE NOT TO BE INCLUDED IN KIT



FUEL TANK



HYDRAULIC TANK

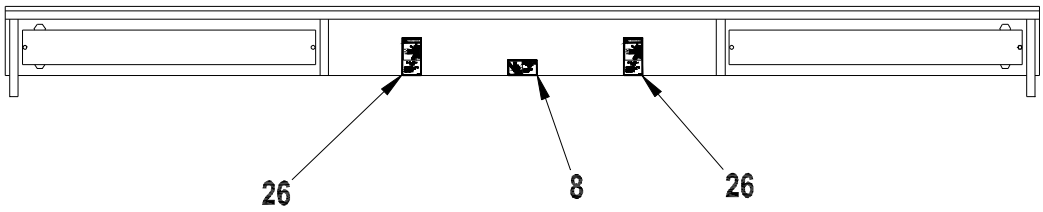


OUTSIDE OF LID

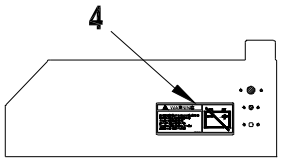
INSIDE OF LID

CENTER CONSOLE

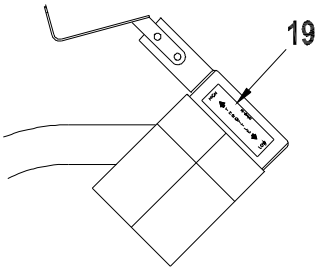
PREVIOUS PAGE



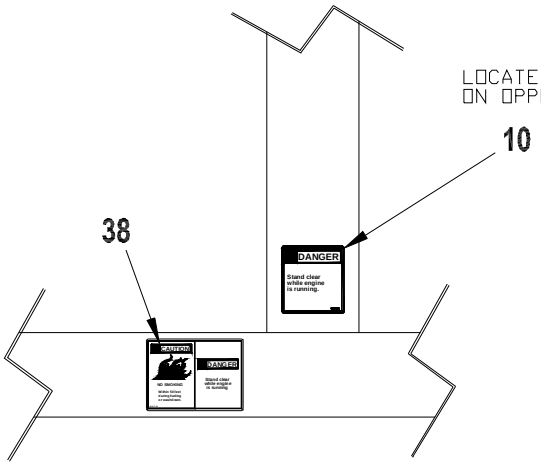
HYDRAULIC PUSH ROLLER



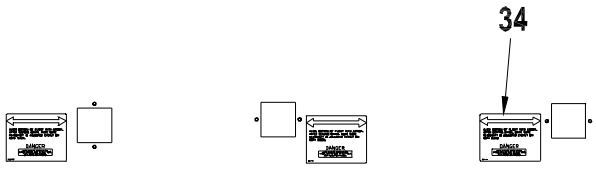
BATTERY BOX



OPERATOR'S CONSOLE PANEL



(VIEW "A")



C-1 C-2 C-3

TYP

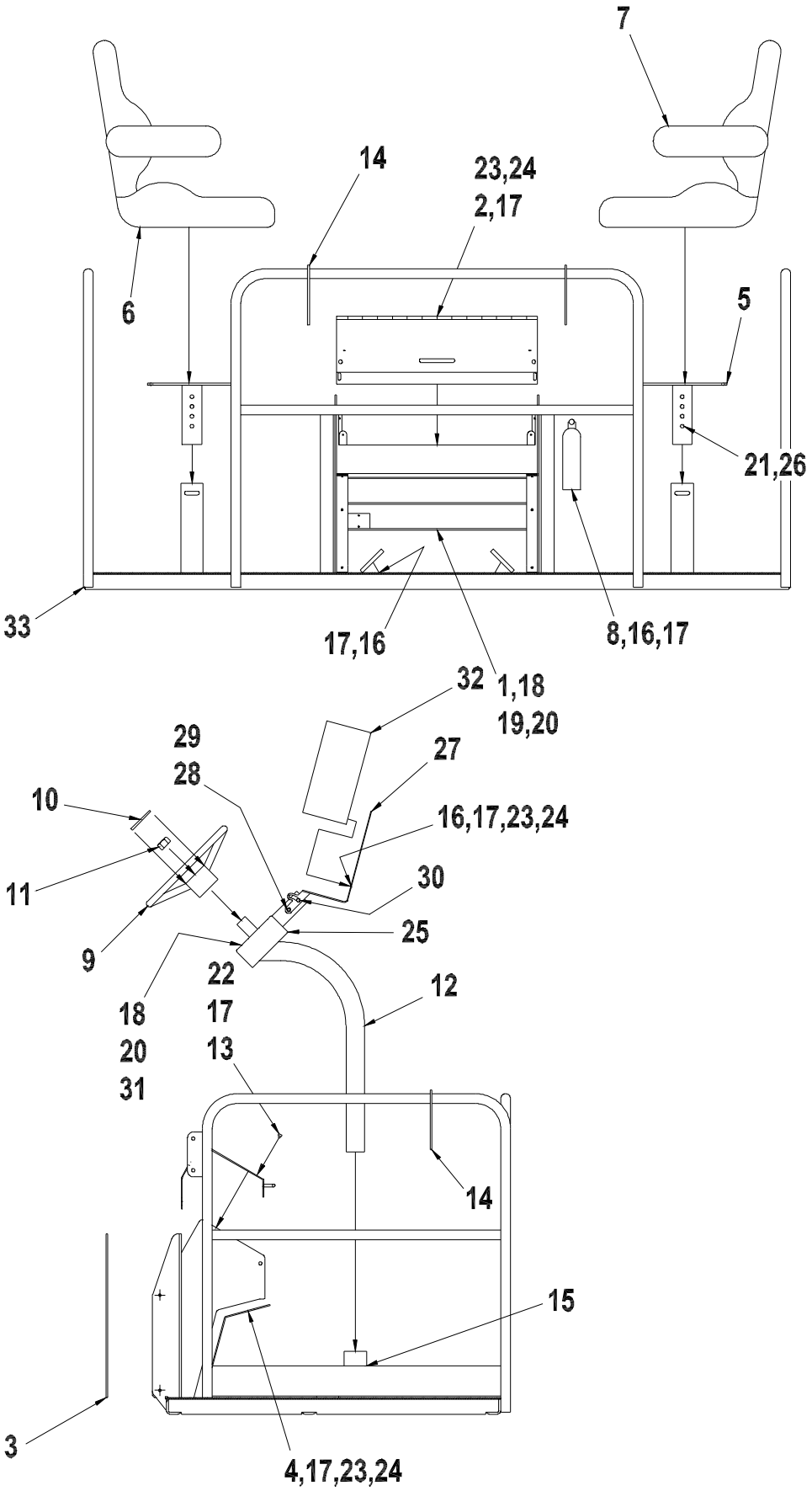
CHAIN TENSION DECAL (ITEM 34) PLACEMENT

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)



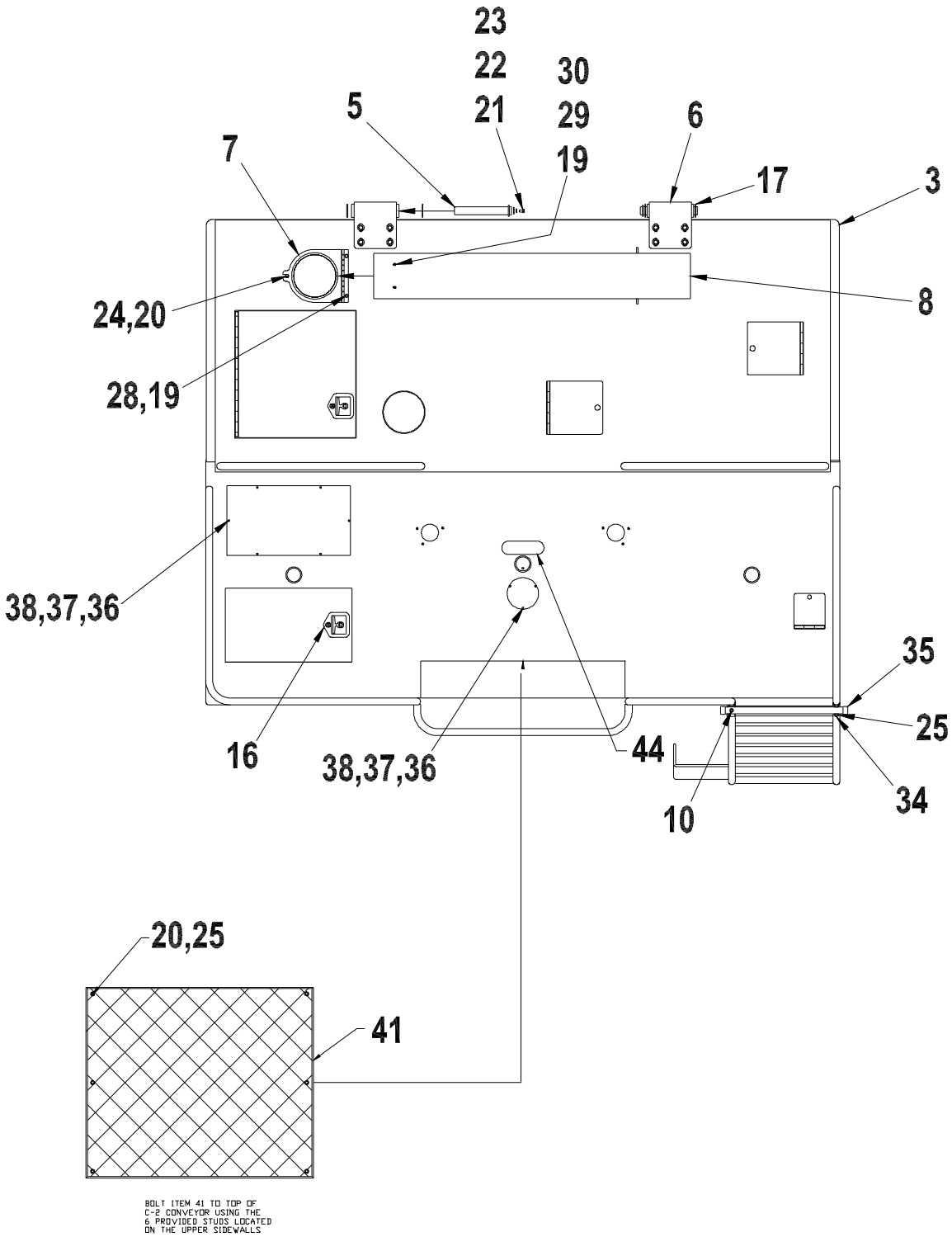
OPERATOR'S STATION ASSEMBLY
(213995-01)

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

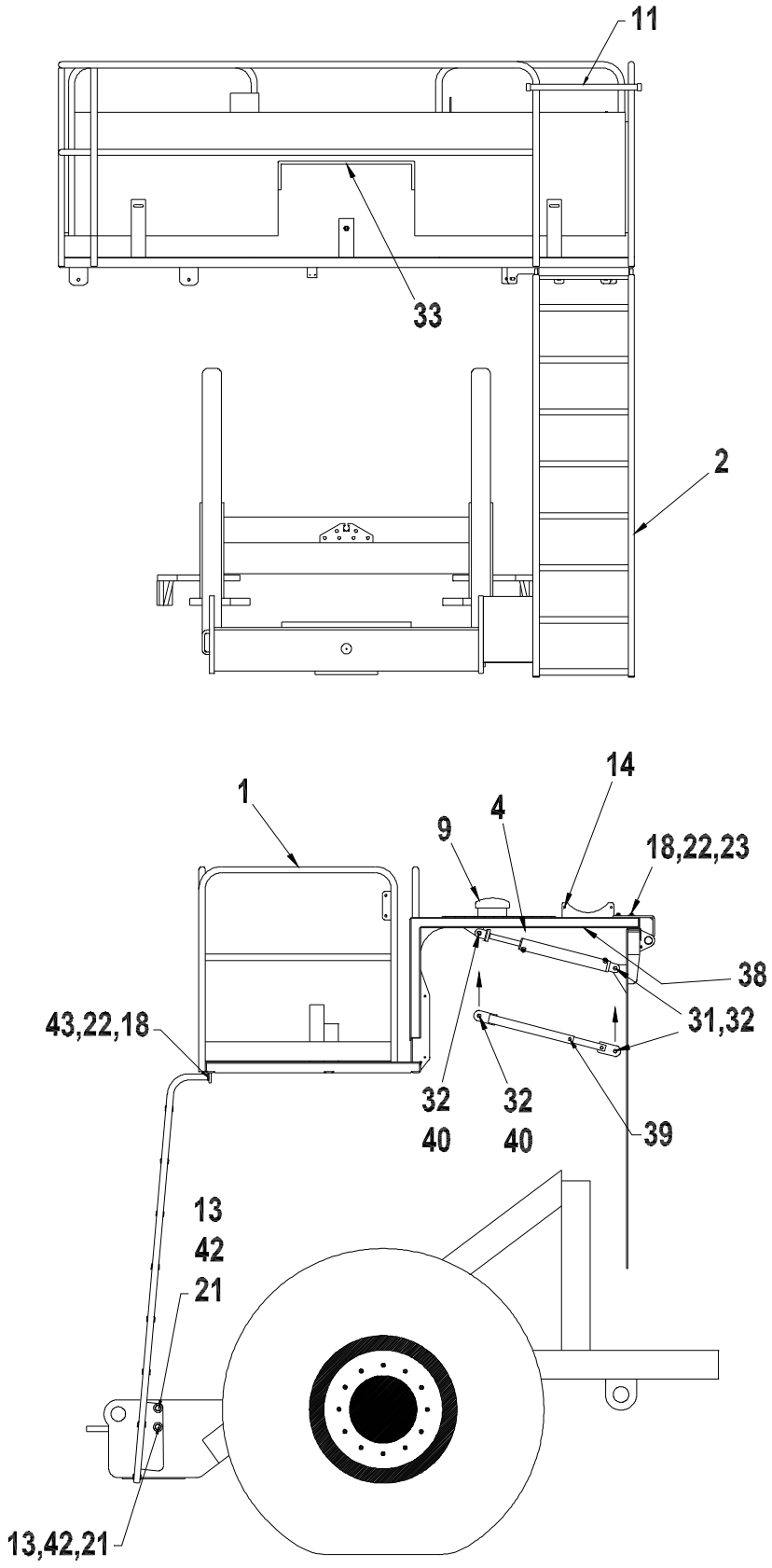
(214853-01)

NEXT PAGE



PLATFORM & HOOD ASSEMBLY
(214853-01)

PREVIOUS PAGE

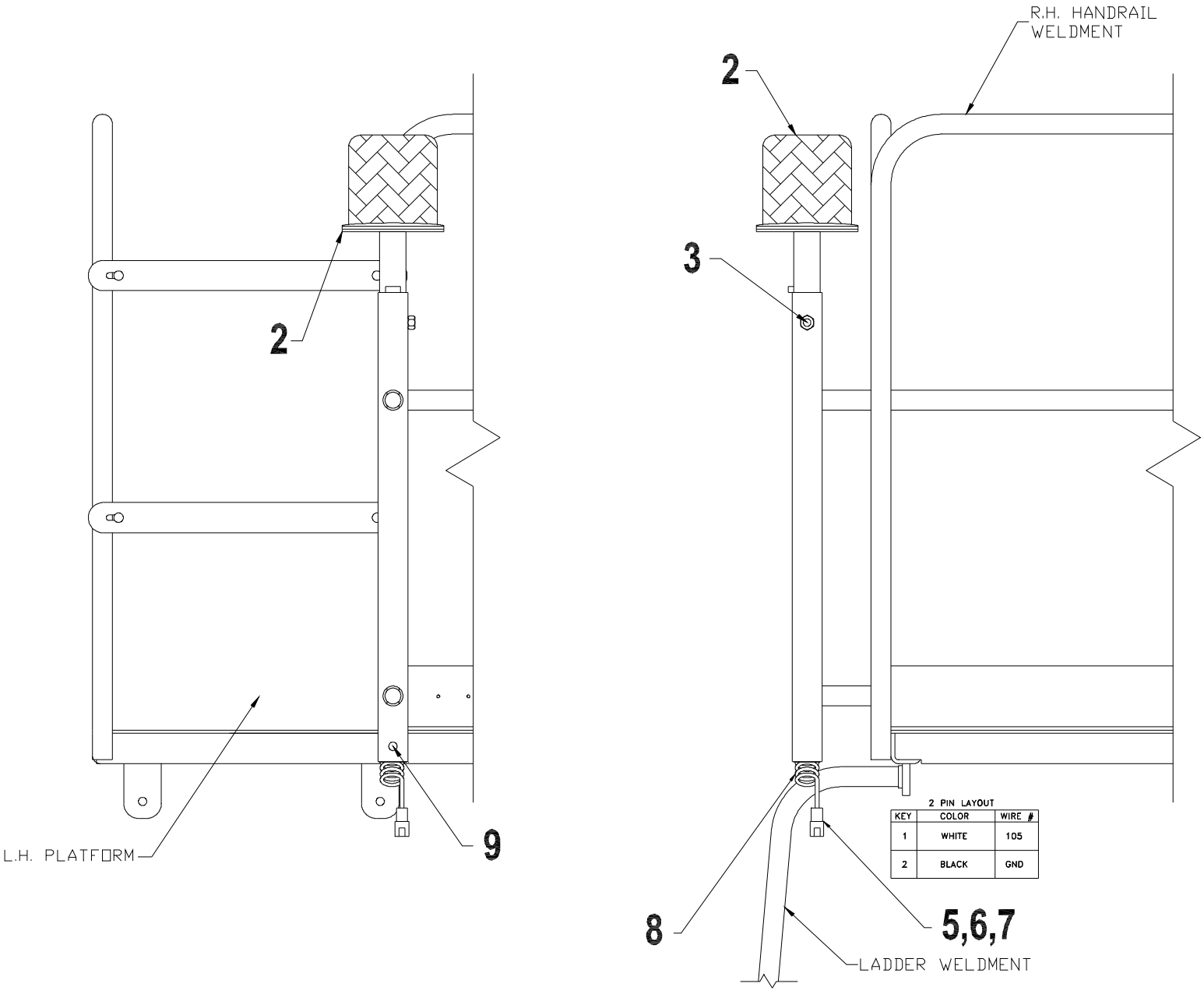


PLATFORM & HANDRAIL ASSEMBLY
(214853-01)

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	86505-04	MOLDING 3/8" INTERLOCK TRIM	18"
13	83133	FLAT WASHER - 3/4" STEEL	2
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	214854-01	OPERATORS STATION ASSY.	1

SB-2500C STROBE LIGHT ASSEMBLY

(214370-01)



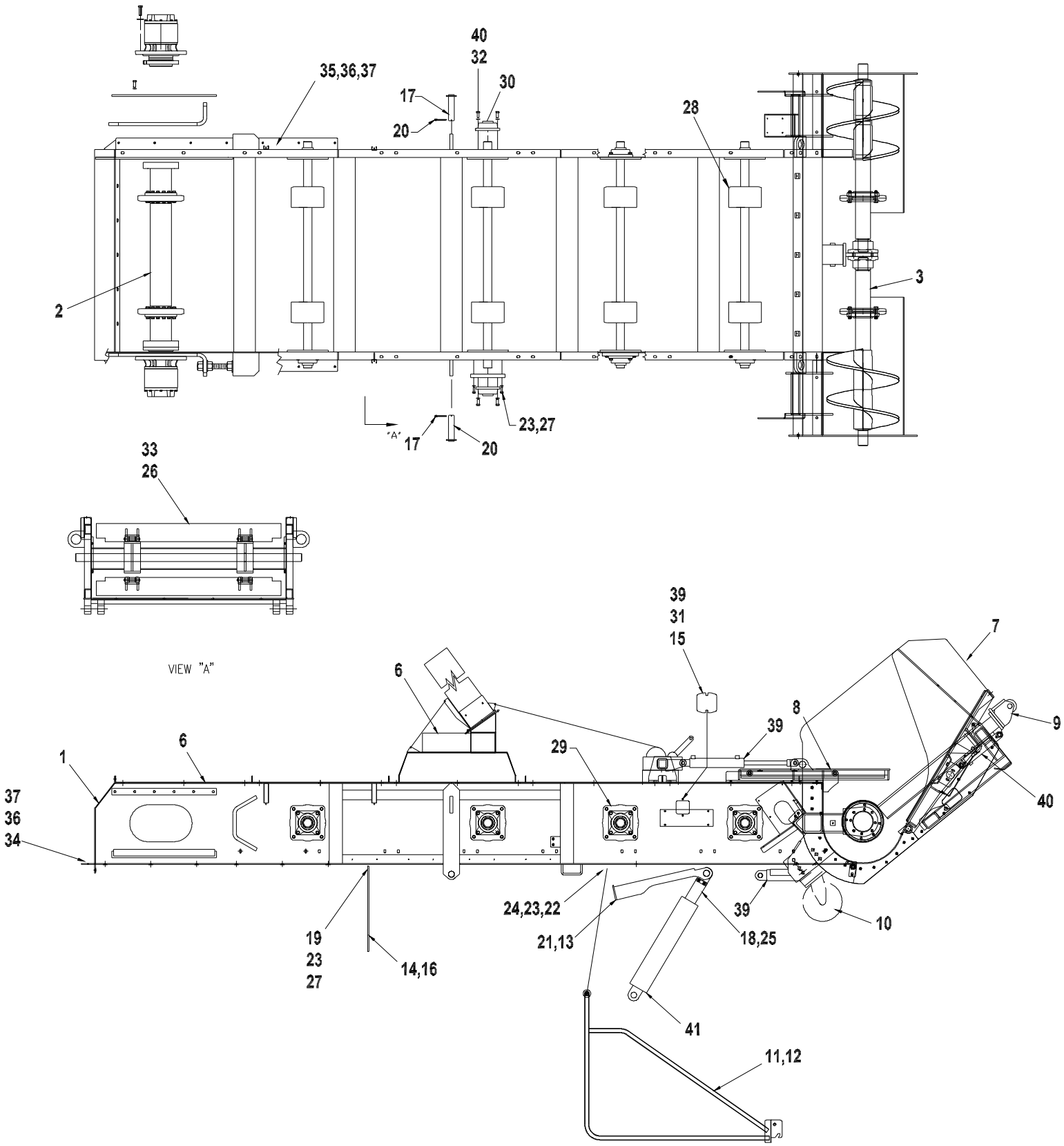
SB-2500C STROBE LIGHT ASSEMBLY
(214370-01)

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	214736-01	824 & UP	3.1
CHAIN	200735-02		3.3
FOOTSHAFT & AUGER	214704-01	820 & UP	3.5
HEADSHAFT & TAKE- UP	214741-01	824 & UP	3.7
TOP COVER W/FUME	214495-01	820 & UP	3.9
WEAR PLATES	207695-01		3.11
DUMP HOPPER	214691-01		3.13
VIBRATOR	133304-01	602 & UP	3.15
BAFFLE	210541-01		3.17
HYD. PUSH ROLLER	212468-01	780 & UP	3.19
CASTER & SKIDS	148085-01		3.21
GREASE LINES	200733-01	776 & UP	3.23
C-2 CONVEYOR	214731-01	824 & UP	3.25
CHAIN & IDLER	214144-01	816 & UP	3.29
FOOTSHAFT & AUGER	211677-01	768 & UP	3.31
HEADSHAFT & TAKE-UP	214729-01	824 & UP	3.33
LINER & BOTTOM PLATE	214137-01	816 & UP	3.35
FLOWGATES	214795-01	816 & UP	3.37
C-3 CONVEYOR	214732-01	824 & UP	3.39
CHAIN & IDLER	213665-01		3.43
TOP COVER W/FUME	214493-01	820 & UP	3.47
INSULATION PANEL & TRUCK RAIL	214690-01	820 & UP	3.49

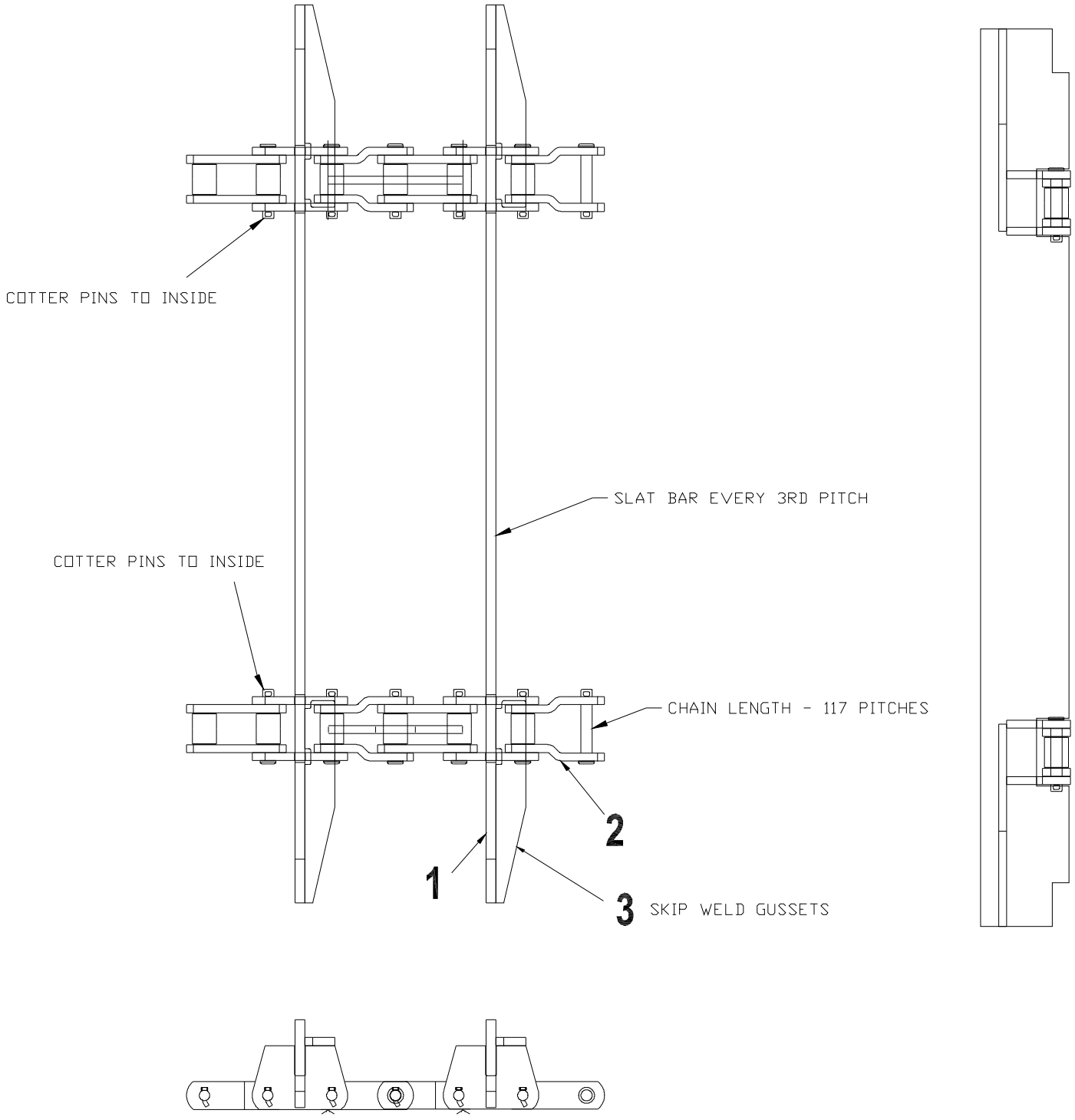
C-1 CONVEYOR ASSEMBLY
(214736-01)



C-1 CONVEYOR ASSEMBLY
(214736-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214737-01	C-1 CONVEYOR	1
2	214741-01	C-1 HEAD SHAFT & TAKE-UP	1
3	214704-01	C-1 FOOT SHAFT & AUGER	1
4	207695-01	C-1 WEAR PLATES	1
5	200733-01	C-1 GREASE LINES	1
6	214495-01	C-1 TOP COVER & FXS	1
7	214691-01	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	129384-03	CHAIN INSPECTION COVER	1
16	99159-03	C-1 FLASHING CLAMP BAR	1
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"	41
24	136743-04	FLAT WASHER 1/2" SCREED	2
25	128462	BOLT, C'SUNK 1/2 - 13 X 1"	8
26	138885-03	KIT - KEEPER PIN	2
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	83757	FLAT WASHER - 3/8 STEEL	2
40	84717	LOCK WASHER - 5/8 SPRING STEEL	32

C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

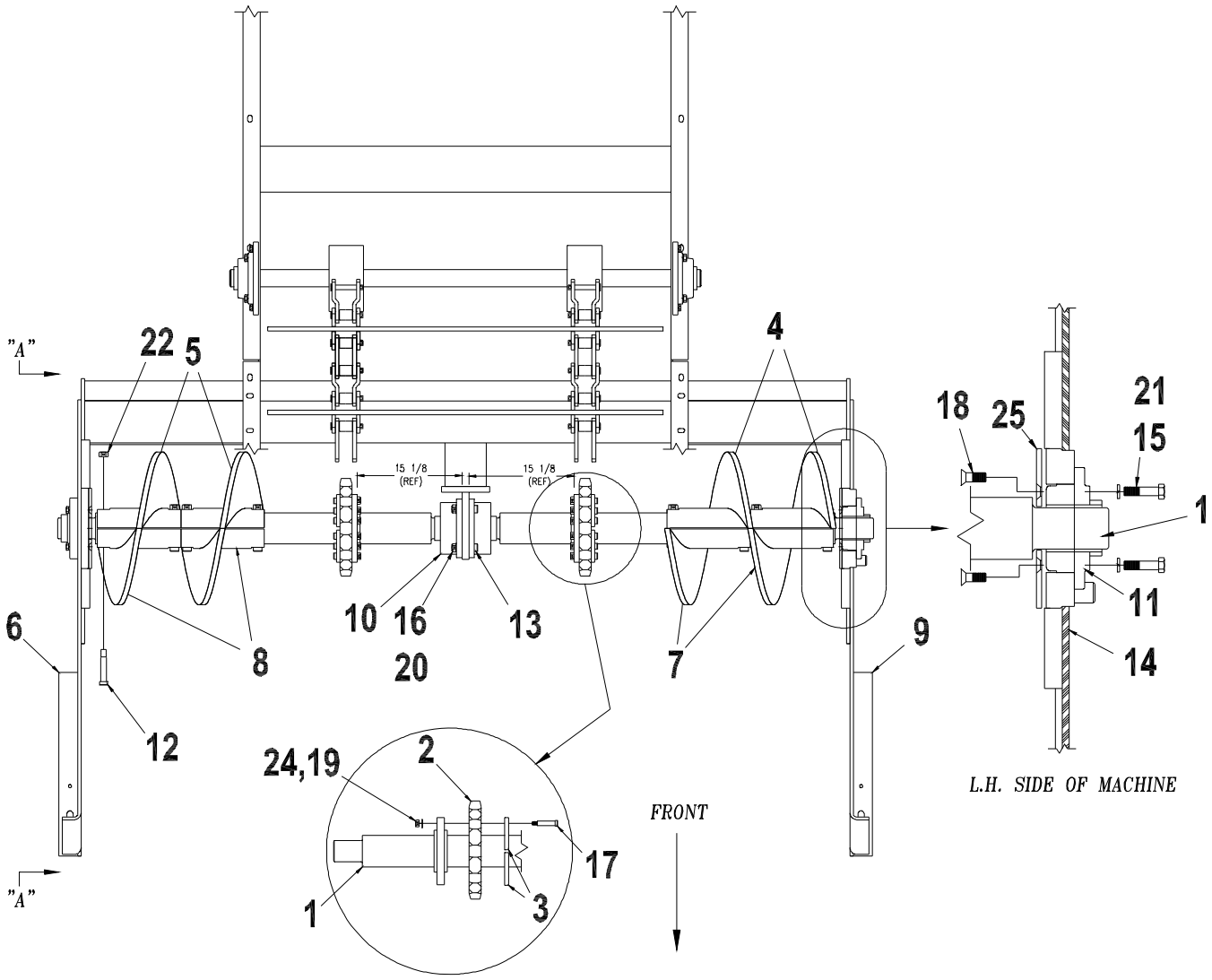


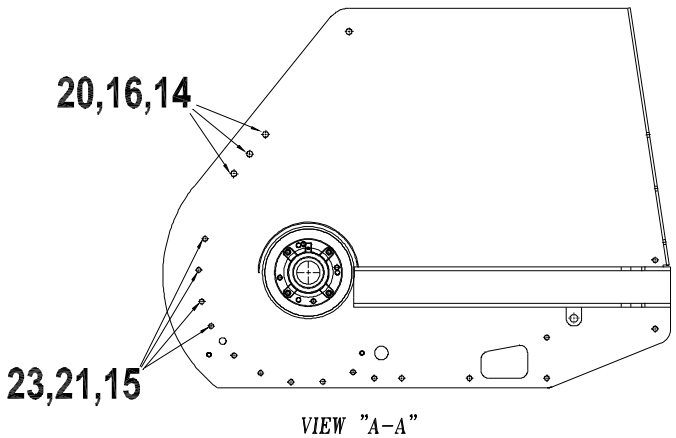
C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

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

(214704-01)



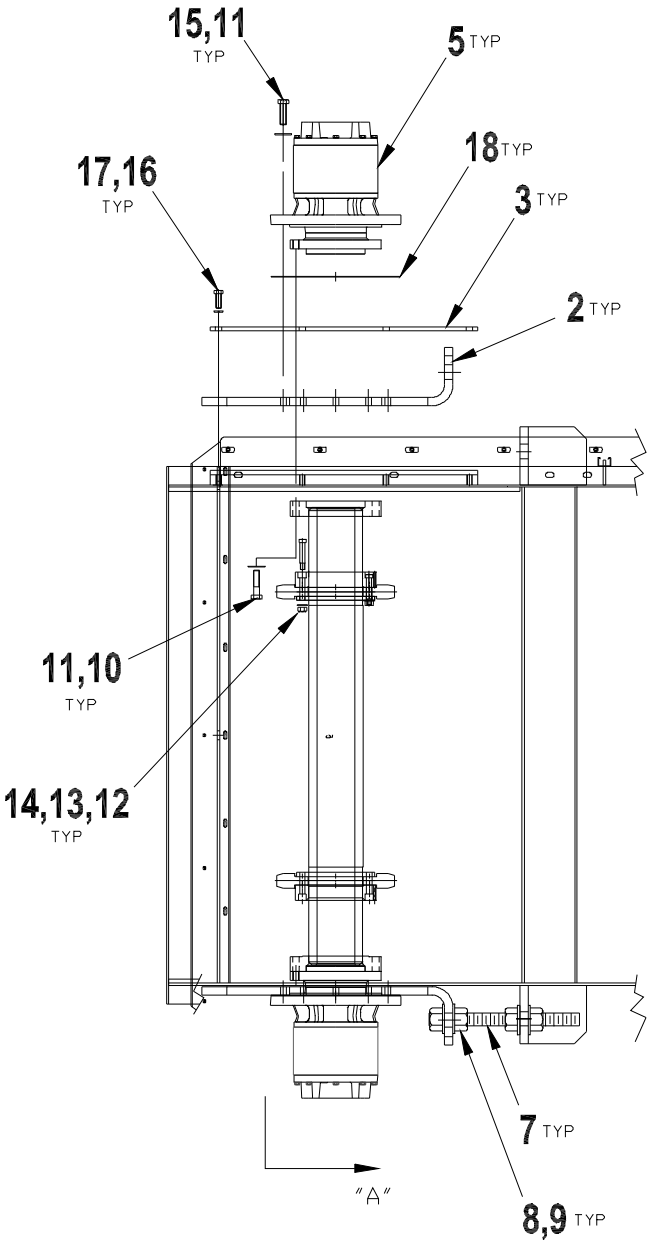


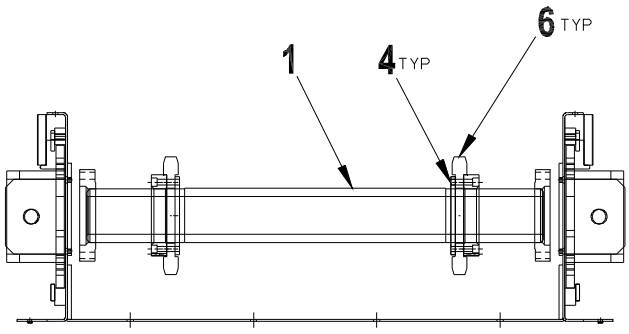
VIEW "A-A"

C-1 FOOTSHAFT & AUGER ASSEMBLY
(214704-01)

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	214703-01	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
(214741-01)





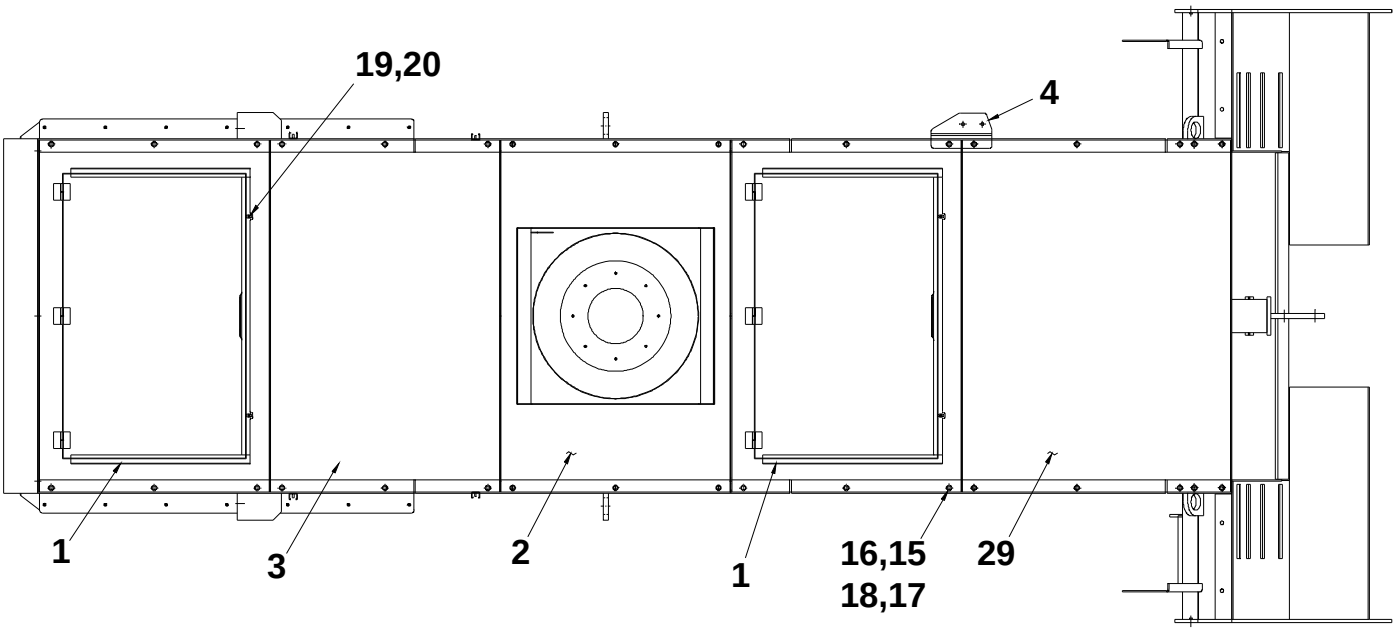
VIEW "A"

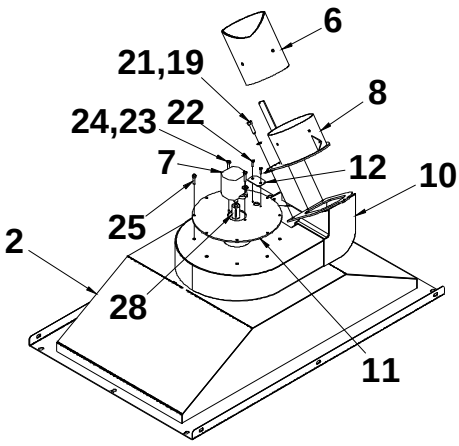
C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY
(214741-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	210723-01	C1 HEAD SHAFT	1
2	200712-01	C1 TAKE-UP BRACKET	2
3	214742-03	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	OO891	HEX BOLT, 3/4-10 X 1 3/4	8
17	83752-04	LOCK WASHER, 3/4	8
18	211345-03	C-1 HEAD SHAFT SPACER	4

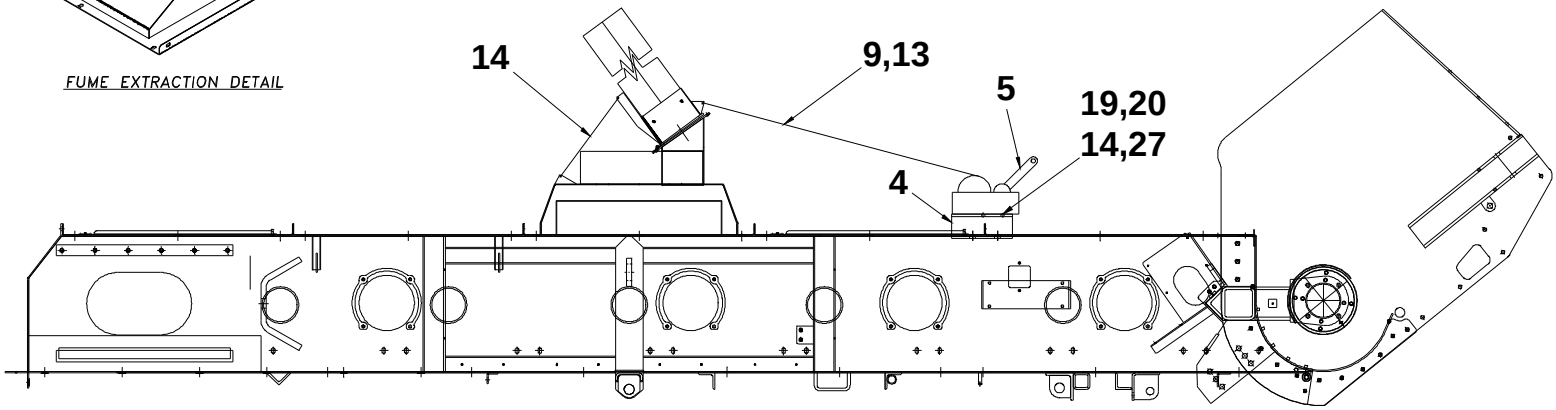
C-1 CONVEYOR TOP COVER & FXS ASSEMBLY

(214495-01)





FUME EXTRACTION DETAIL

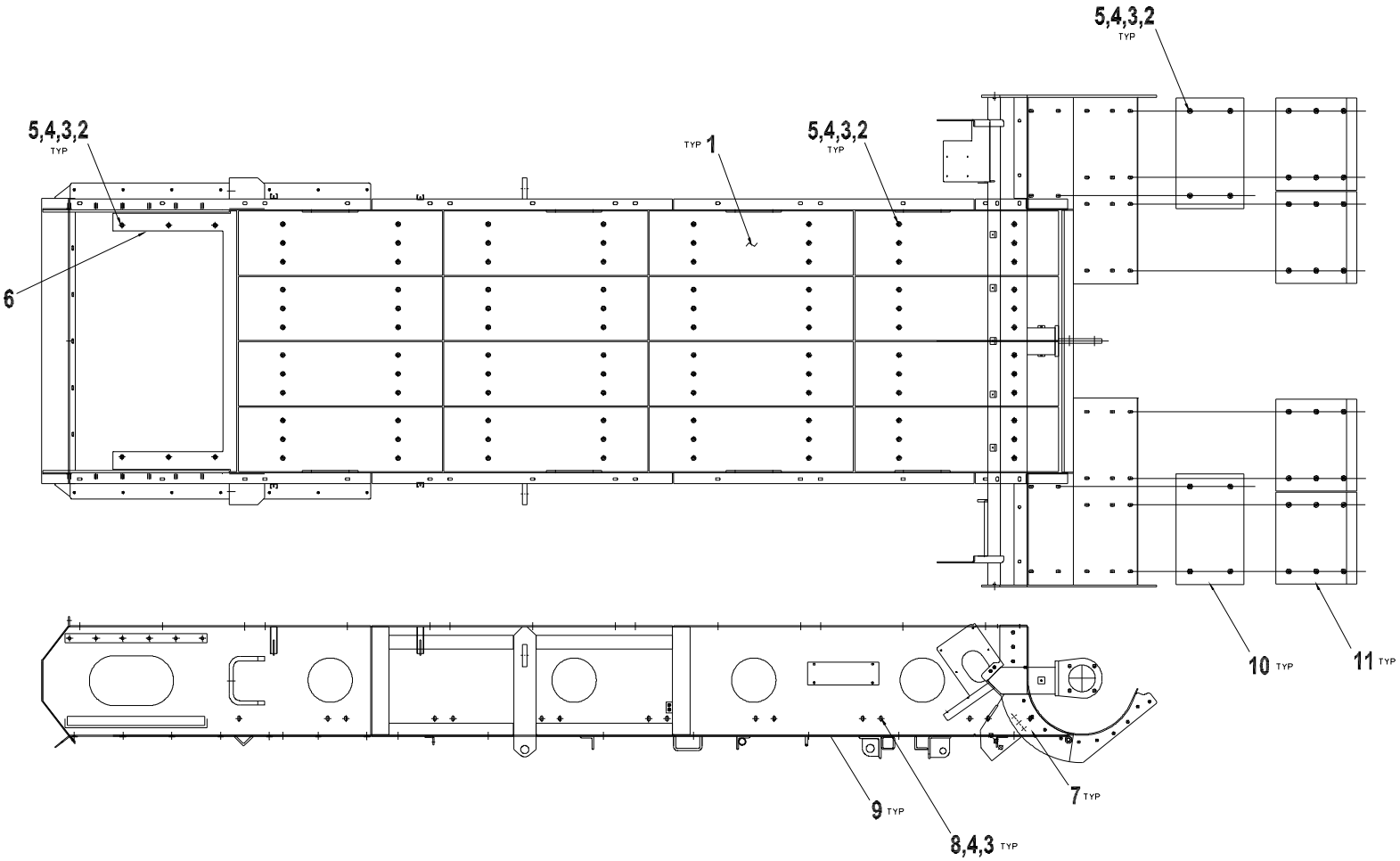


C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(214495-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214648-01	TOP COVER PLATE WLDMT.	2
2	214649-01	TOP COVER FXS WLDMT.	1
3	214501-01	TOP COVER PLATE	1
4	148021-03	WINCH MOUNTING BRACKET	1
5	142469-04	WINCH - 600 LBS	1
6	129227-03	VENT PIPE	1
7	134229-04	MOTOR, HYD. 1.02 CID, (SUND)	1
8	134543-02	FAN SHROUD VENT EXTENSION	1
9	127709	CABLE - 1/8" AIRCRAFT	108
10	129135-01	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	27
16	83781-04	FLAT WASHER, 1/2	75
17	83317	LOCK WASHER, 1/2	29
18	83288	HEX NUT, 1/2 - 13 GR 8	29
19	83056	LOCK WASHER, 3/8	12
20	83055	HEX NUT, 3/8 - 16 GR 8	6
21	84332	HEX BOLT, 3/8 - 16 X 1	6
22	83114	HEX BOLT, 1/4 - 20 X 1/2	2
23	92235	LOCK NUT, 3/8	2
24	96476	HEX BOLT, 3/8 - 16 X 1 1/4	4
25	86127-04	HEX BOLT, 3/8 - 16 X 3/4	18
26			
27	83757	FLAT WASHER, 3/8	6
28	130665-04	BUSHING & KEY	1
29	210192-01	C-1 TOP COVER	1

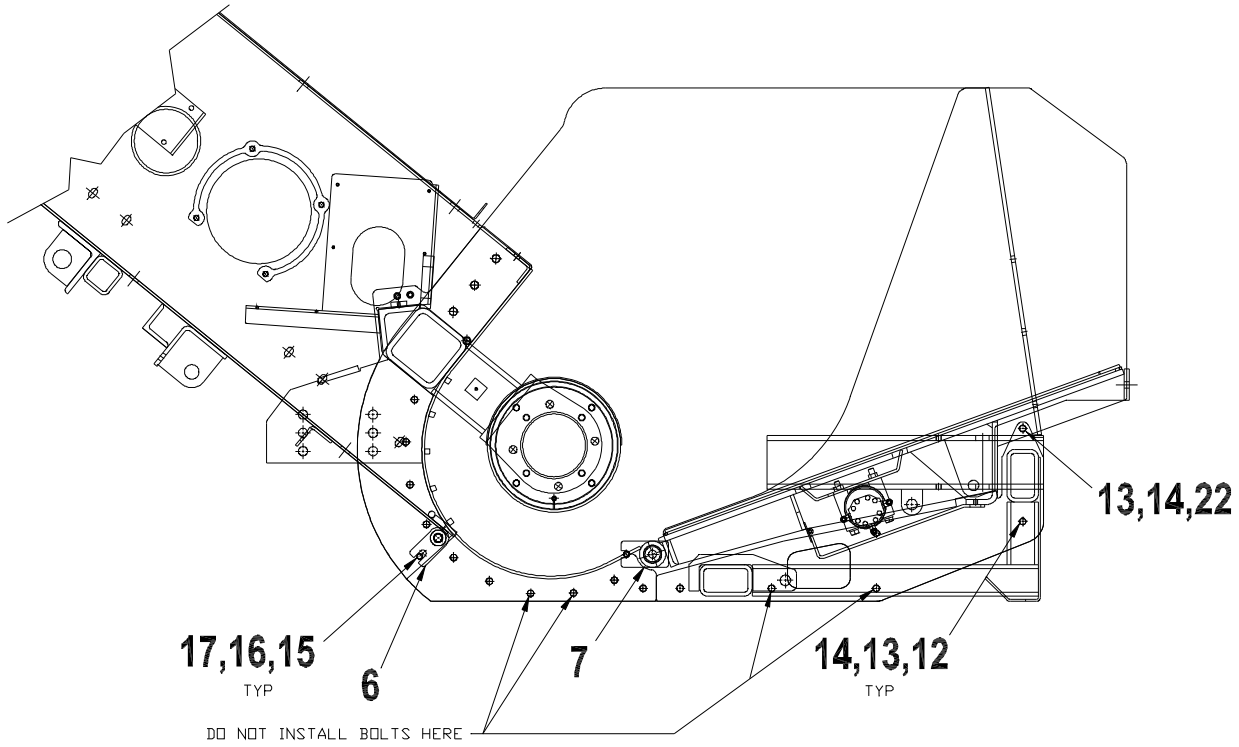
C-1 CONVEYOR WEAR PLATE ASSEMBLY

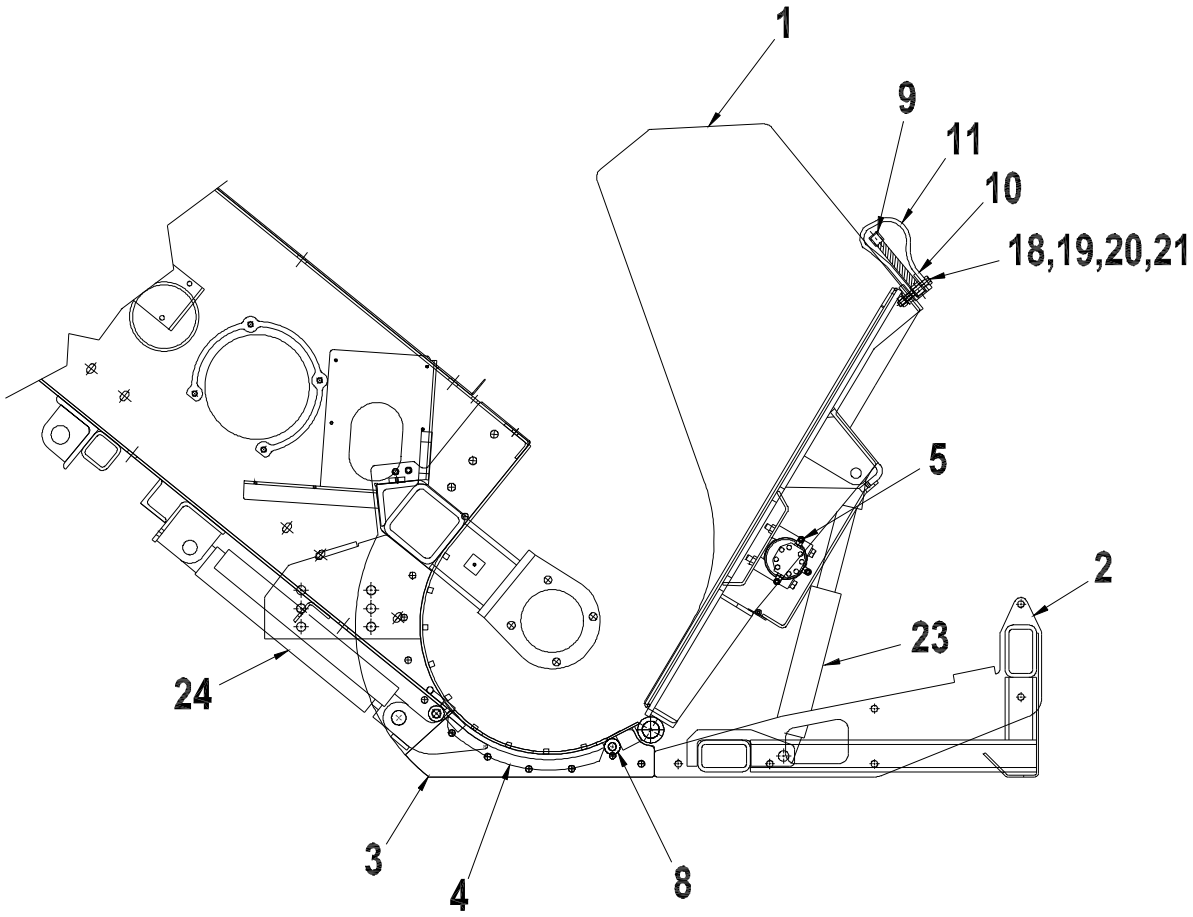
(207695-01)



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





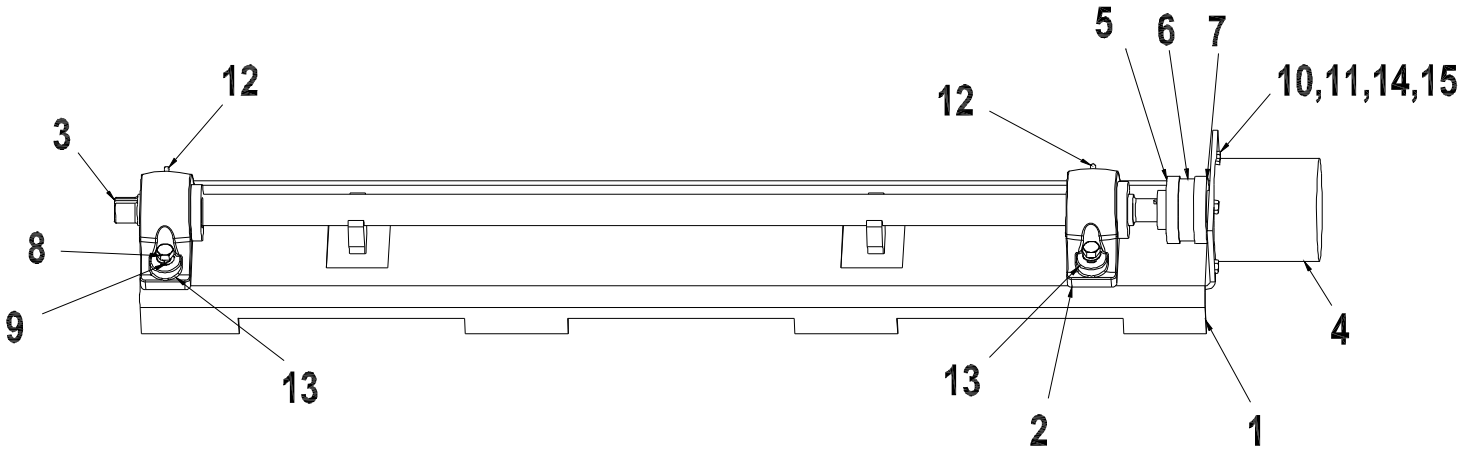
SIDE VIEW, SIDEPLATE REMOVED

C-1 CONVEYOR DUMP HOPPER ASSEMBLY
(214691-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214665-01	DUMP HOPPER WLDMT.	1
2	147962-01	C-1 HOPPER UNDERCARRIAGE WLDMT.	1
3	207707-01	C-1 HOPPER SUB-WLDMT.	1
4	207708-01	C-1 CLEANOUT DOOR	1
5	214654-01	C-1 HOPPER VIBRATOR ASSY.	1
6	148045-03	C-1 HOPPER SUB-WLDMT. PIN	2
7	148044-03	DUMP HOPPER PIVOT PIN	2
8	148051-03	HINGE PIN - C-1 CLEAN OUT DOOR	1
9	143620-03	FLASHING SUPPORT WLDMT.	2
10	96008-03	FLASHING RETAINER BAR	2
11	99218-02	RUBBER FLASHING - C-1 DUMP HOPPER	1
12	96041	HEX BOLT - 5/8-11 X 2"	16
13	84717	LOCK WASHER - 5/8	18
14	85148	HEX NUT - 5/8-11 GR8	18
15	83754	HEX BOLT - 1/2-13 X 1"	4
16	83317	LOCK WASHER - 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	LOCK WASHER - 3/8"	16
21	83055	HEX NUT - 3/8-16 GR8	16
22	137265	S.H.C.S. SCREW - 5/8-11 X 2"	2

DUMP HOPPER VIBRATOR ASSEMBLY

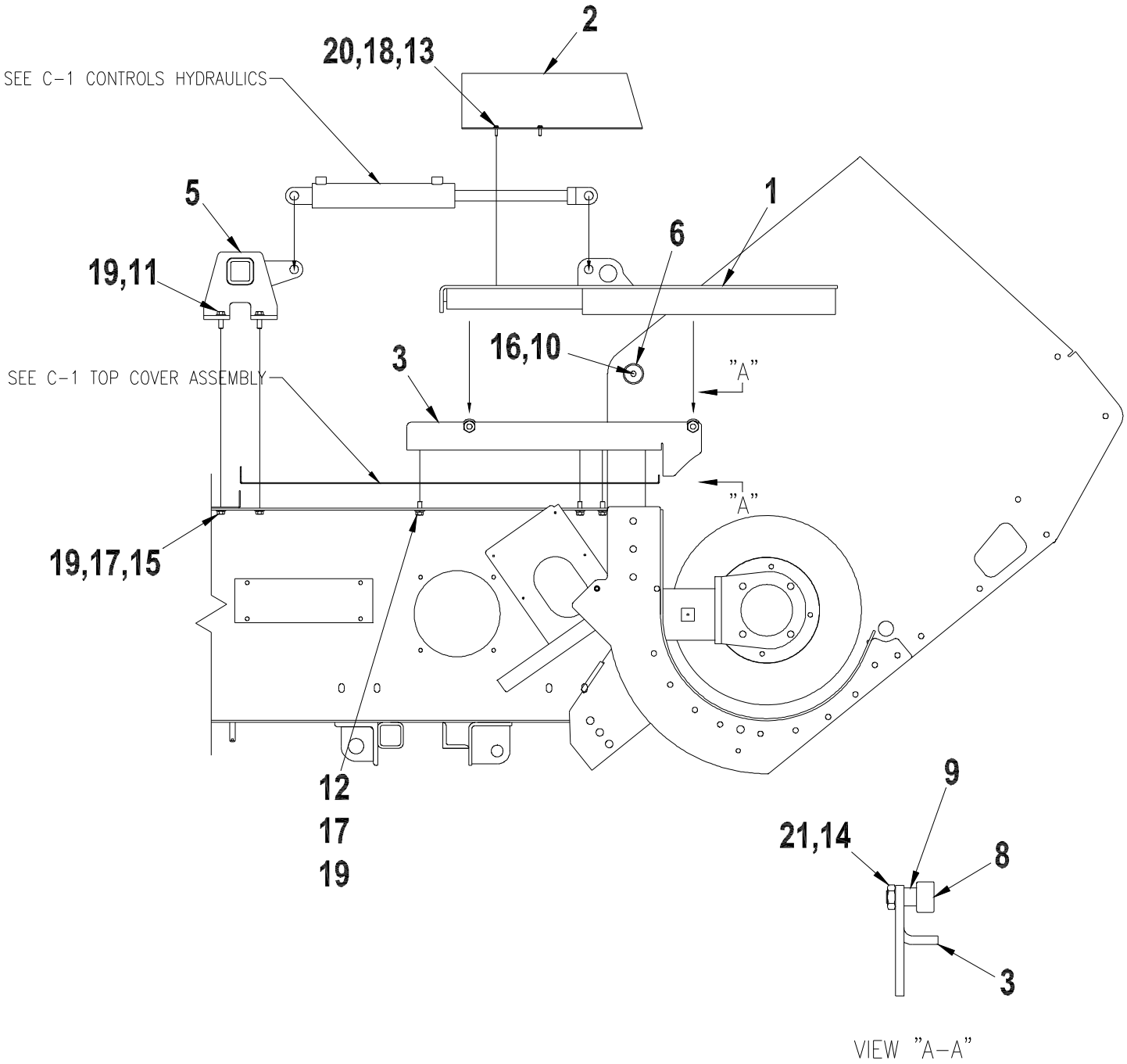
(133304-01)



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
(210541-01)

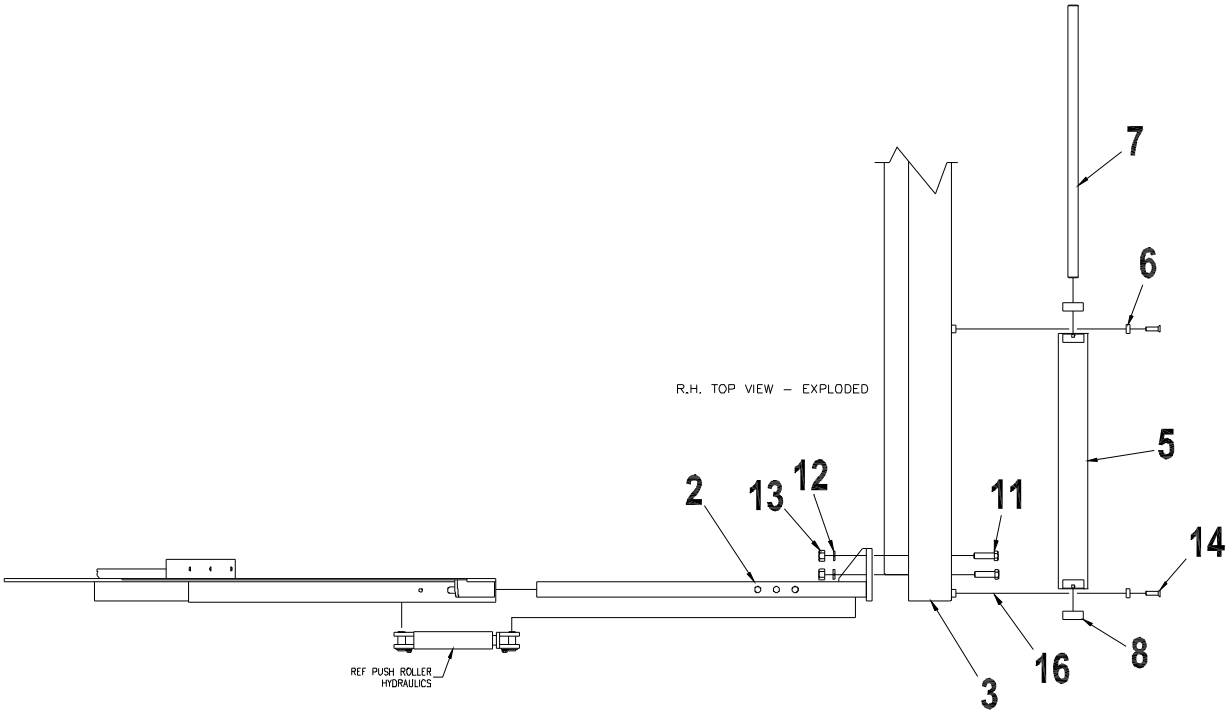


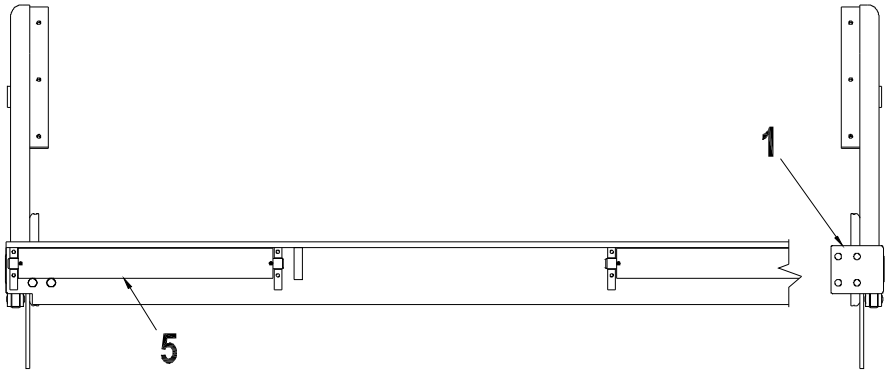
C-1 BAFFLE ASSEMBLY
(210541-01)

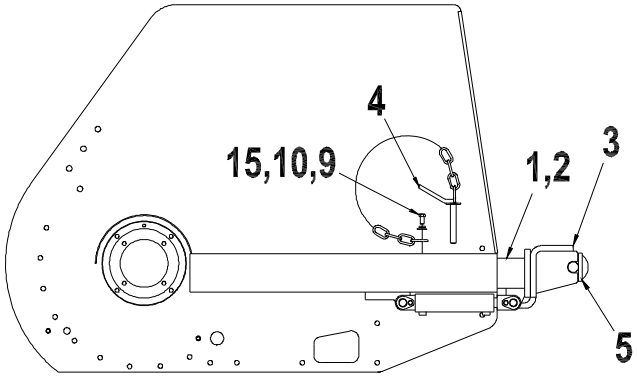
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	141582-01	BAFFLE WLDMT.	1
2	141583-01	BAFFLE CYL. COVER MOUNT	1
3	210188-03	LH BAFFLE GUIDE PLATE	1
4	210189-03	RH BAFFLE GUIDE PLATE	1
5	210182-01	BAFFLE CYLINDER SUPPORT WLDMT.	1
6	210540-03	C-1 END PLATE STIFFENER WLDMT.	1
7			
8	137544-04	BEARING - CAM FOLLOWER	4
9	OO659	PIPE - 3/4" SCH. 40 X 1/2" LG	4
10	93071	HEX BOLT - 3/4-10 X 2" GR8	2
11	89142	HEX BOLT - 1/2-13 X 1 3/4" GR8	4
12	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	8
13	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	4
14	97169	JAM NUT - 3/4-16 RIGHT HAND THREAD	4
15	83288	HEX NUT - 1/2-13 GR8	4
16	83752-04	LOCK WASHER - 3/4" SPRING STEEL	2
17	83317	LOCK WASHER - 1/2" SPRING STEEL	12
18	83065	LOCK WASHER - 1/4" SPRING STEEL	4
19	83781-04	FLAT WASHER - 1/2" STEEL	16
20	84444	FLAT WASHER - 1/4" STEEL	4
21	88961	FLUIDS - LOCTITE NO. 271 RED	.1

HYDRAULIC PUSH ROLLER ASSEMBLY

(212468-01)





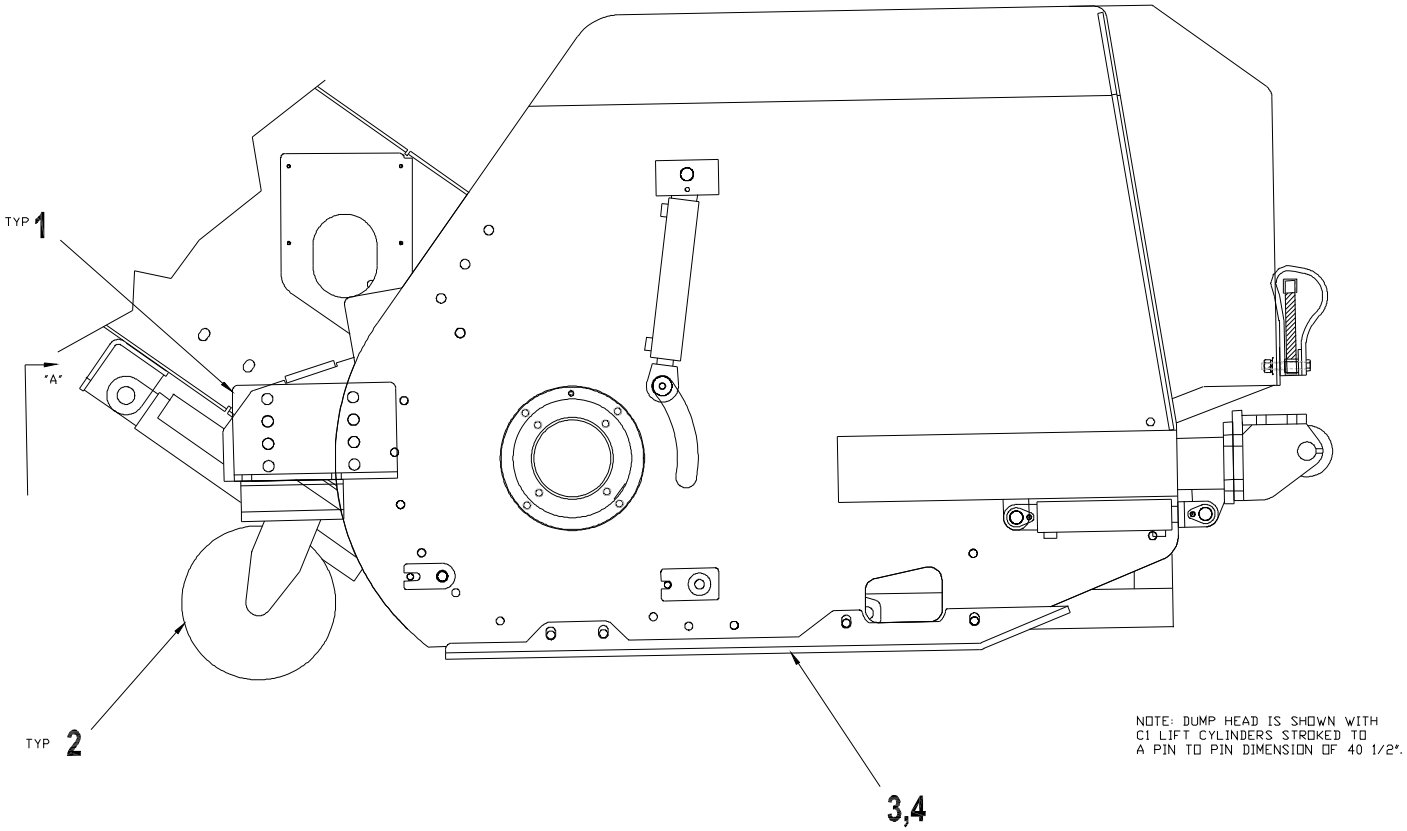


HYDRAULIC PUSH ROLLER ASSEMBLY
(212468-01)

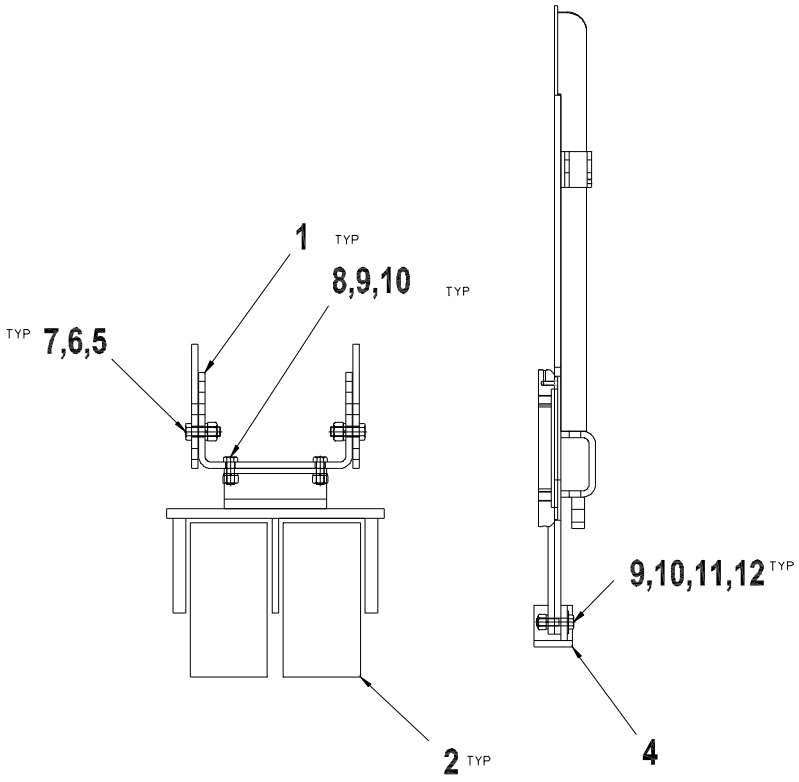
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	212467-01L	L.H. PUSH ROLLER SUPPORT	1
2	212467-01R	R.H. PUSH ROLLER SUPPORT	1
3	204743-01	PUSH ROLLER BEAM	1
4	148064-03	PUSH ROLLER LOCKING PIN	2
5	137441-02	34" PUSH ROLLER	2
6	149088-04	PUSH ROLLER LOCK BAR	4
7	134626-02	PUSH ROLLER SHAFT	2
8	84734-04	BEARING	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
C1 LIFT CYLINDERS STROKED TO
A PIN TO PIN DIMENSION OF 40 1/2".

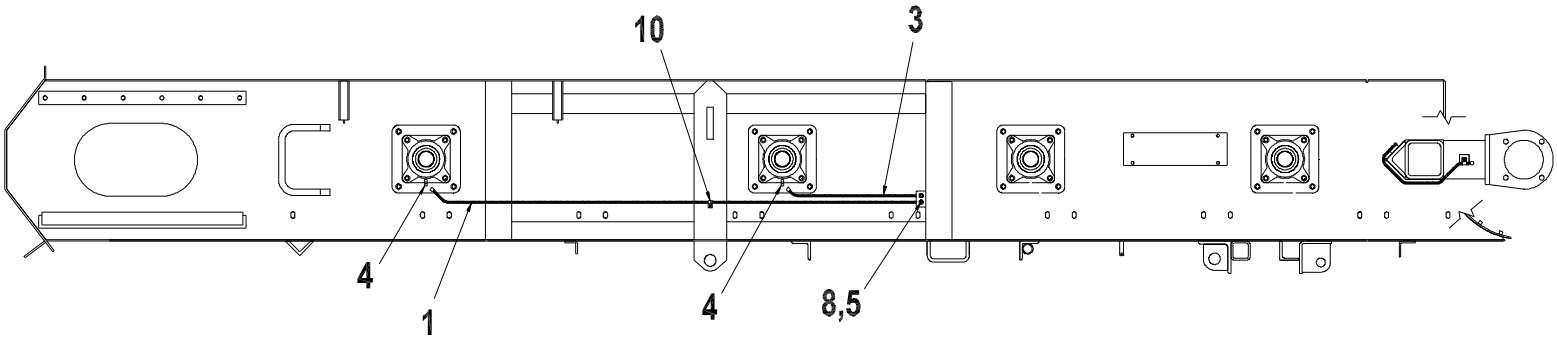


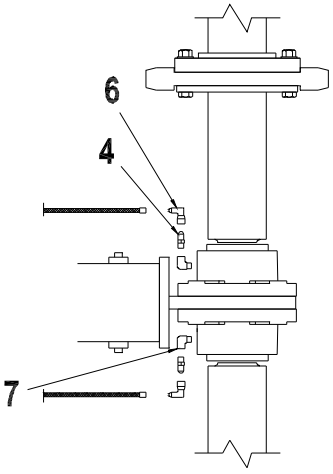
PARTIAL VIEW "A"

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

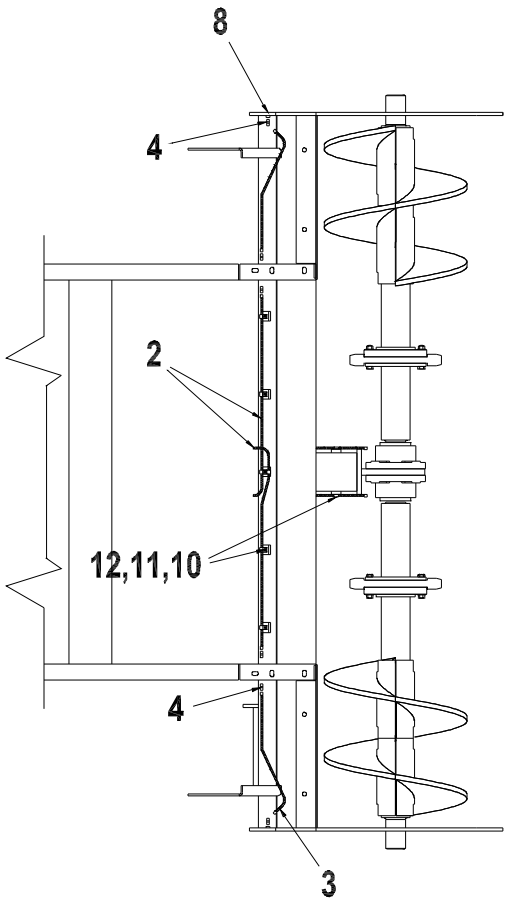
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142499-02	ADJ. CASTER MOUNTING PLATE	2
2	132001-04	SWIVEL CASTER W/ CAST IRON WHEELS	2
3	148096-01L	L.H. SKID RUNNER	1
4	148096-01R	R.H. SKID RUNNER	1
5	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	8
6	83752-04	LOCKWASHER 3/4"	8
7	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
8	96041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

C-1 GREASELINE ASSEMBLY
(200733-01)





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

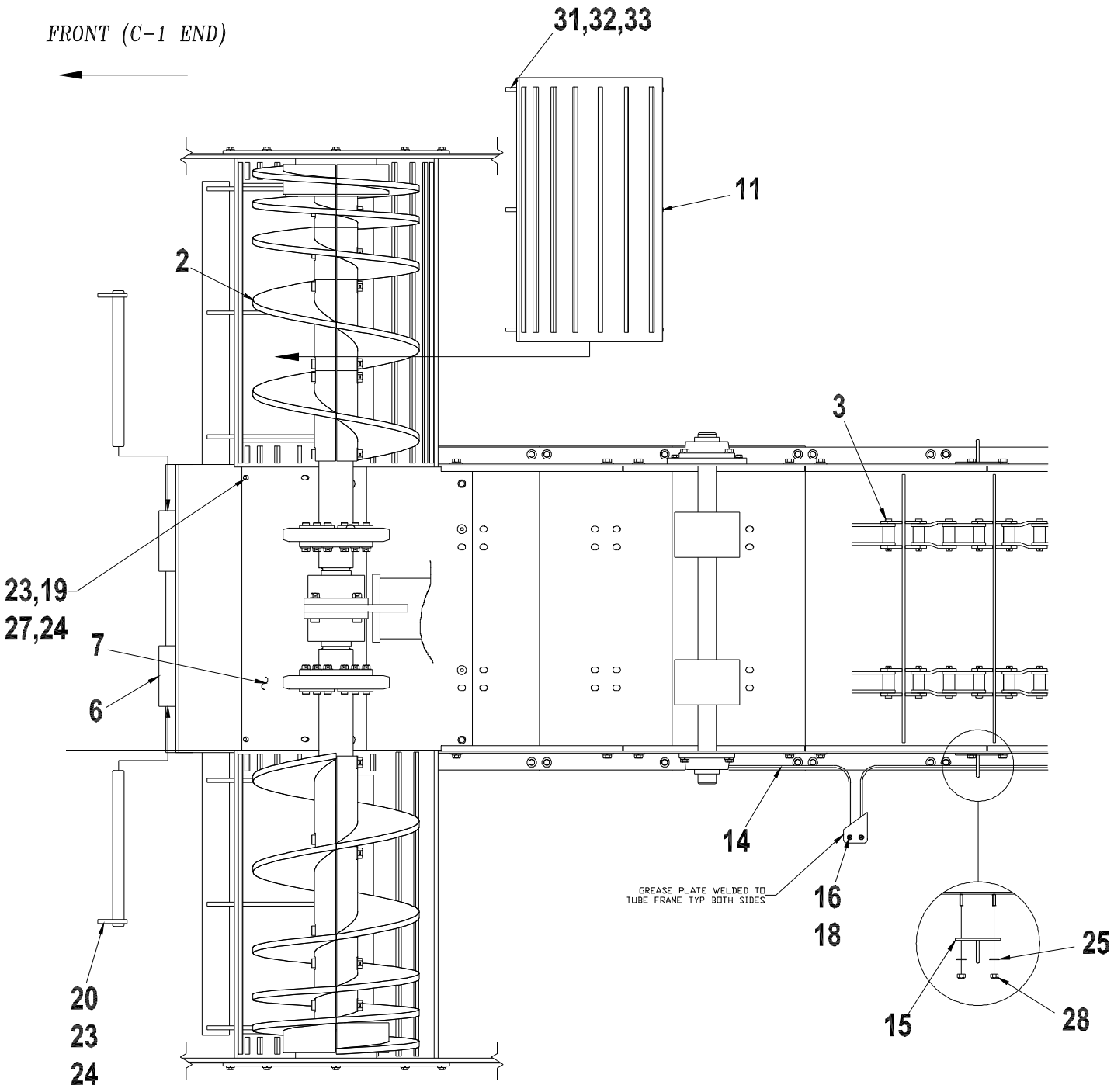


C-1 GREASELINES ASSEMBLY
(200733-01)

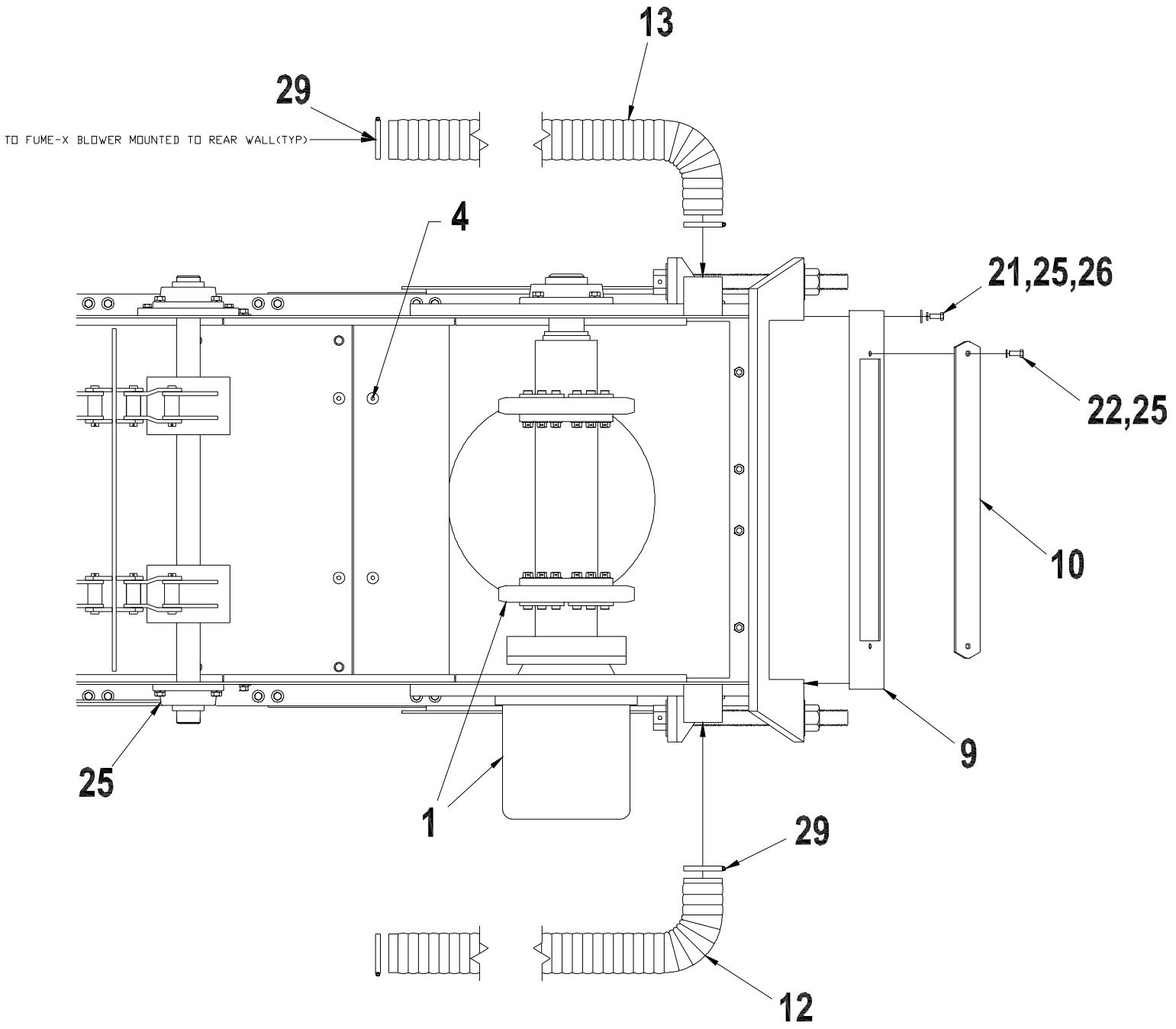
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	134178-04	GREASE LINE - 1/4" X 85" W/ 4 JIC SW ENDS	2
2	201312-04	GREASE LINE - 1/4" X 52" W/ 4 JIC SW ENDS	2
3	134227-04	GREASE LINE - 1/4 X 24.5" W/4 JIC SW ENDS	4
4	83742-04	FIT - 4 JIC X 1/8" NPT M CONNECTOR	12
5	84560-04	FIT - 4 JIC X 1/8" NPT M 90 DEG. ELBOW	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
(214731-01)

NEXT PAGE



PREVIOUS PAGE

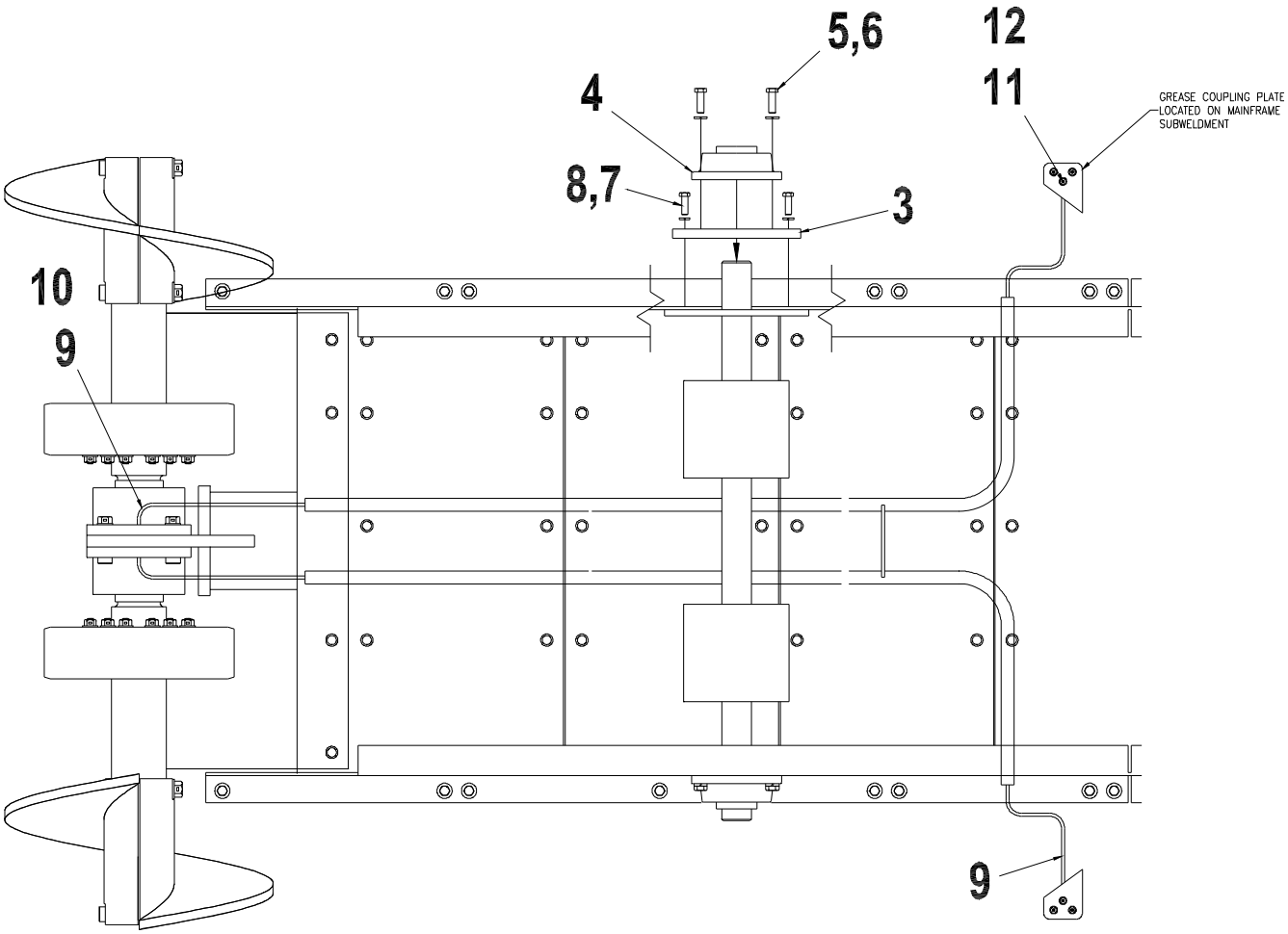


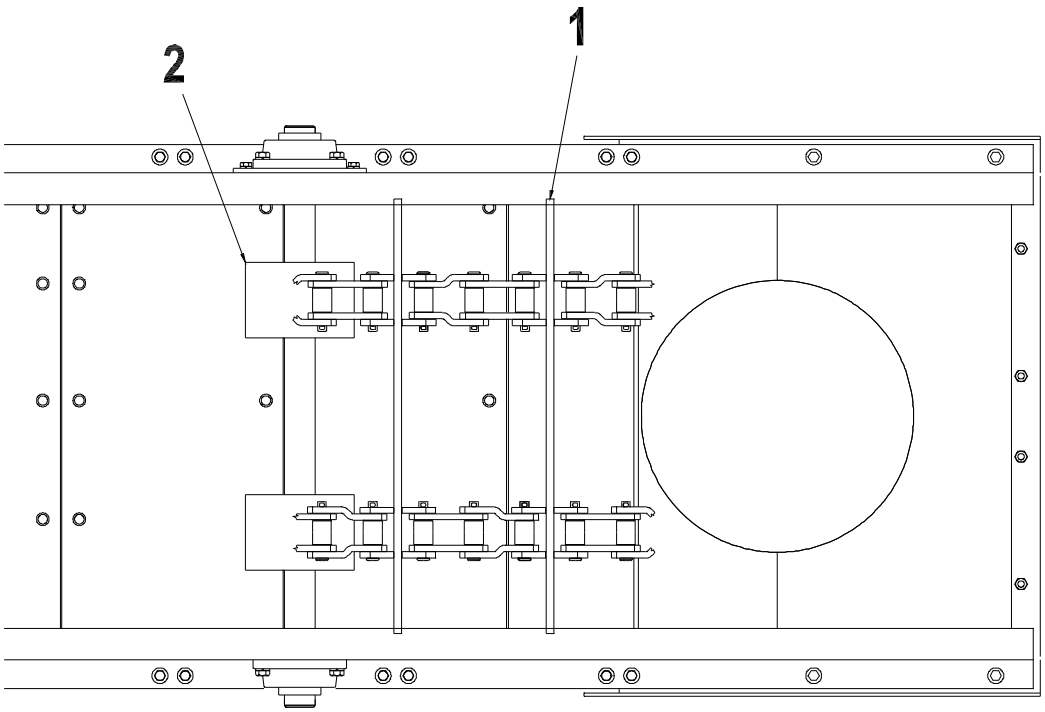
C-2 CONVEYOR ASSEMBLY
(214731-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214729-01	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	214795-01	FLOW GATE SUB-ASSY. (NOT SHOWN)	1
6	214822-01	C-2 CLEAN-OUT DOOR WLDMT.	1
7	214946-02	C-2 CLEAN-OUT DOOR LINER WLDMT.	1
8	146683-03	C-2 CLEAN-OUT DOOR PIN WLDMT.	2
9	214584-03	C-2 CHAIN ACCESS DOOR WLDMT.	1
10	214583-03	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	1
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	8
22	89987-04	WING BOLT - 3/8-16	2
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	13
26	83056	LOCK WASHER - 3/8" SPRING STEEL	8
27	83288	HEX NUT - 1/2-13 GR8	6
28	129097	WING NUT - 3/8-16	2
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)

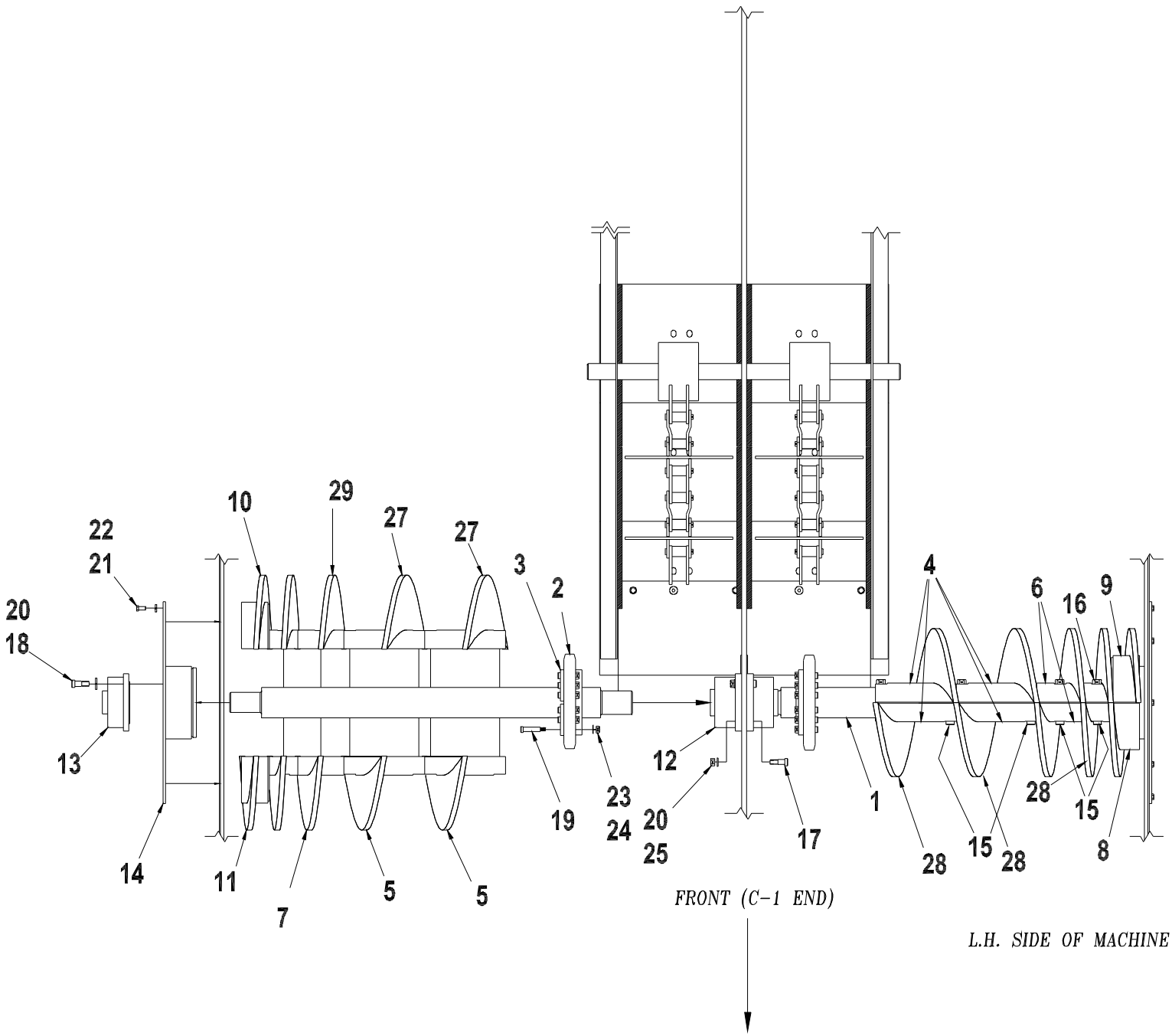




C-2 CONVEYOR CHAIN & IDLER ASSEMBLY
(214144-01)

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
9	134613-04	GREASE LINE - 1/4 X 102 X 4 JIC SW ENDS	2
10	99509	FIT - 1/8 NPT X 4 JIC 45 DEG.	2
11	83742-04	FIT - 1/8 NPT X 4 JIC ST CONNECTOR	2
12	83416	FIT - 1/8 NPT GREASE	2

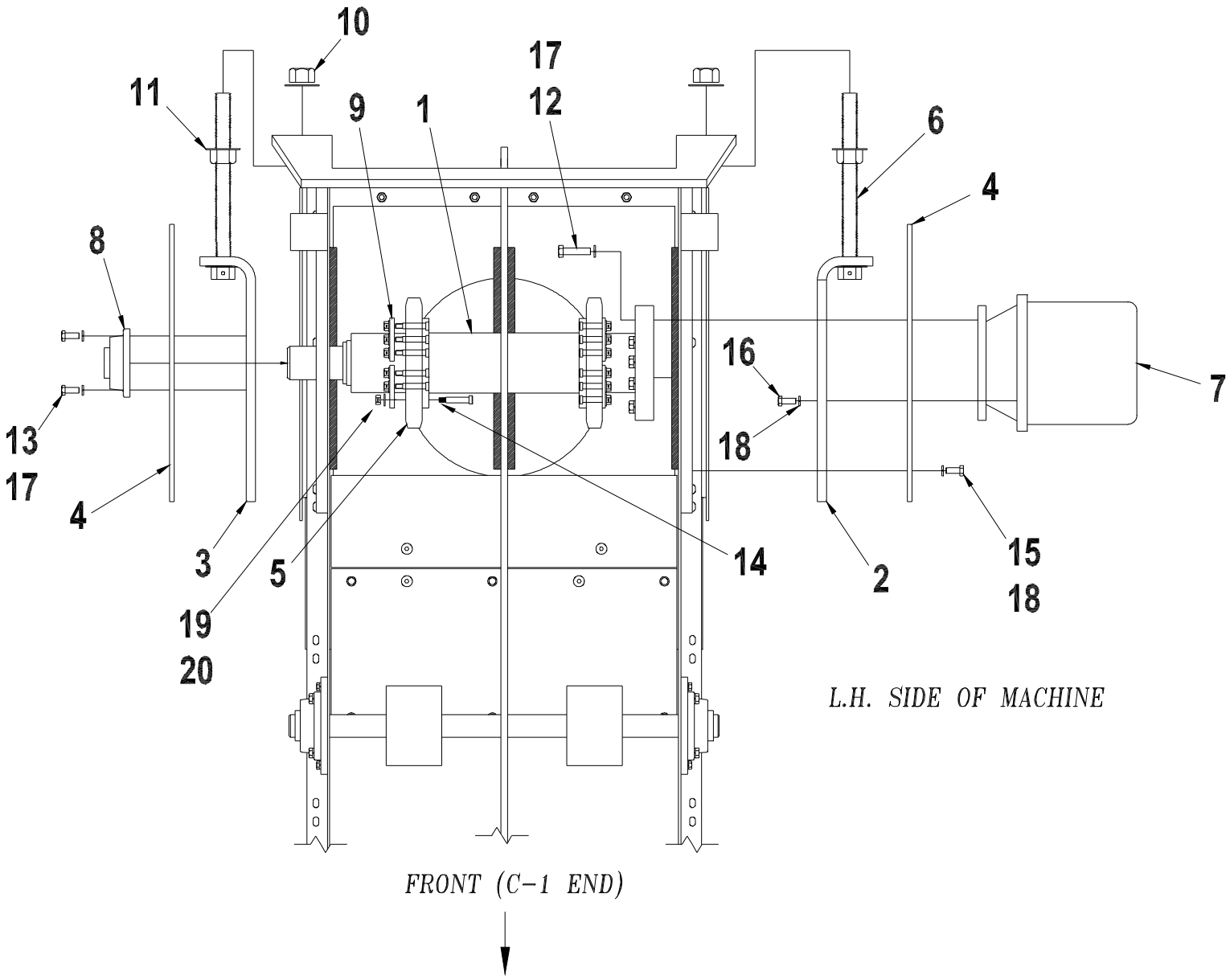
C-2 FOOTSHAFT & AUGER ASSEMBLY
(211677-01)



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

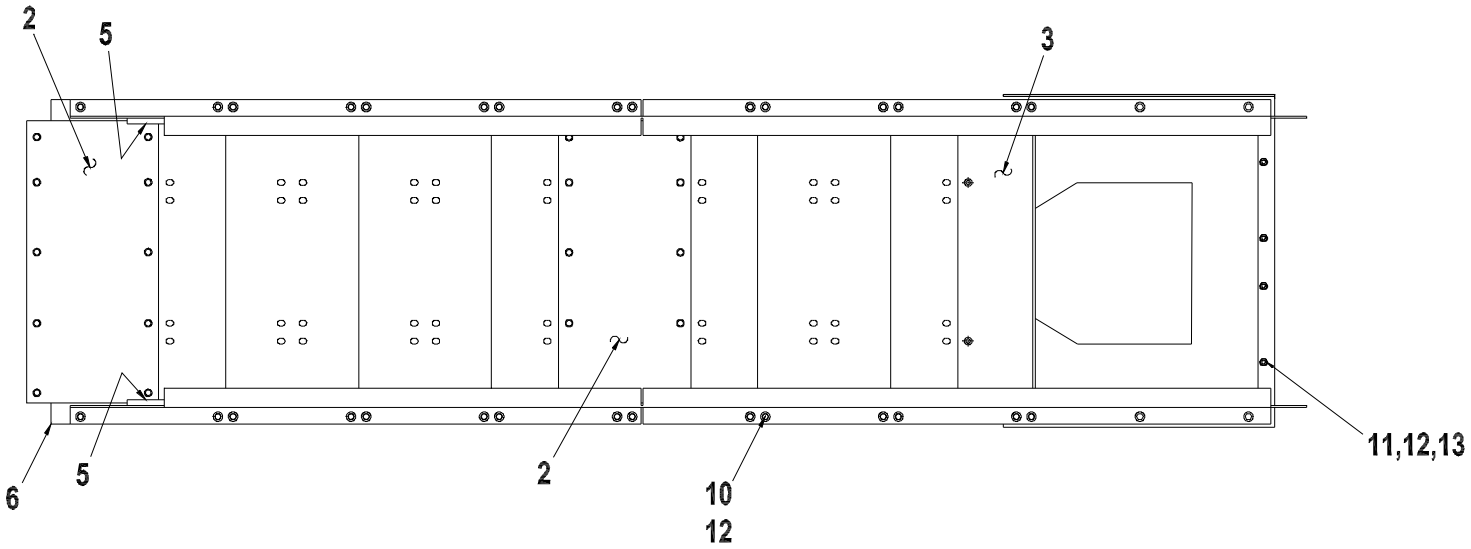
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(214729-01)

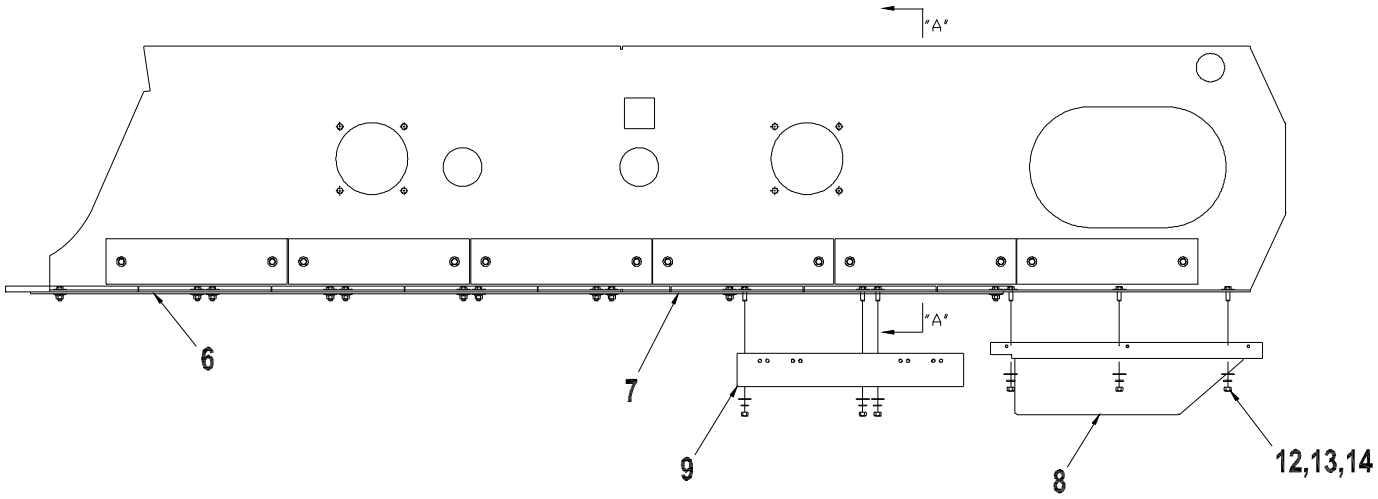


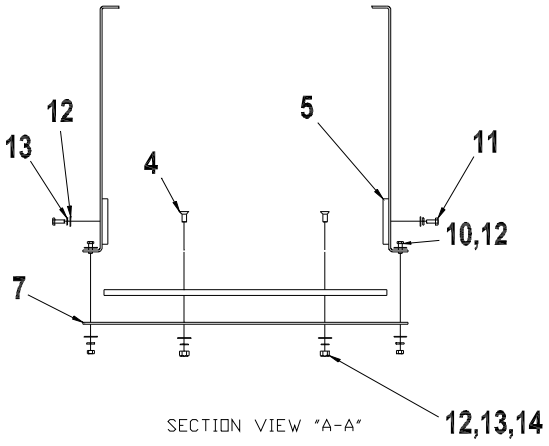
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(2114729-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	210724-01	C-2 HEAD SHAFT	1
2	200196-01	L.H. TAKE-UP	1
3	200197-01	R.H. TAKE-UP	1
4	214742-03	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	95932	BOLT, HEX 3/4-10 X 1 1/2" GR8	8
16	93122	BOLT, HEX 5/8 - 11 X 2 1/4"	24
17	83752-04	LOCK WASHER 3/4" SPRING STEEL	16
18	84717	LOCK WASHER 5/8" SPRING STEEL	24
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)



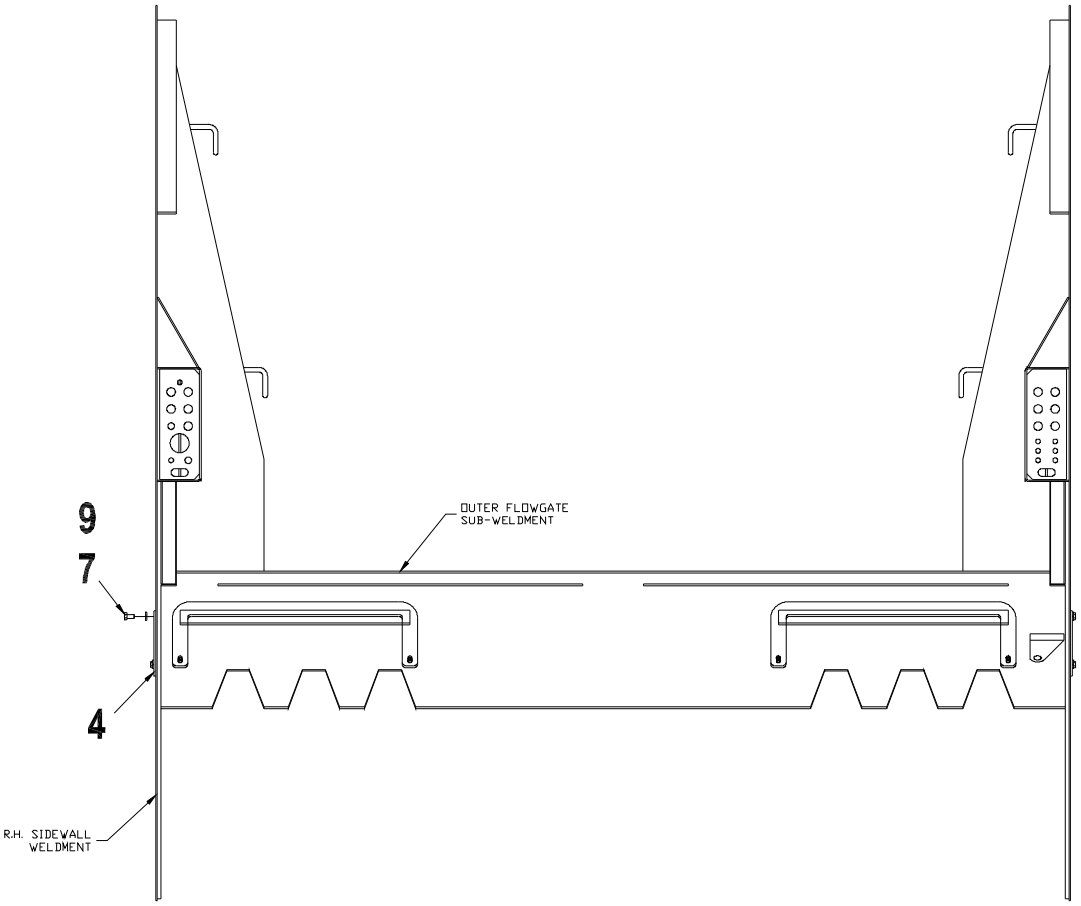


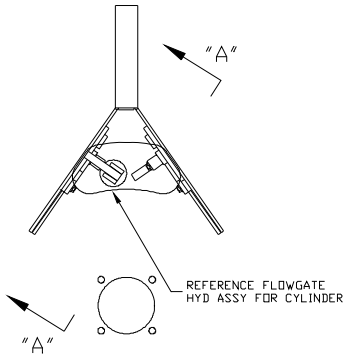


C-2 LINER & BOTTOM PLATE ASSEMBLY
(214137-01)

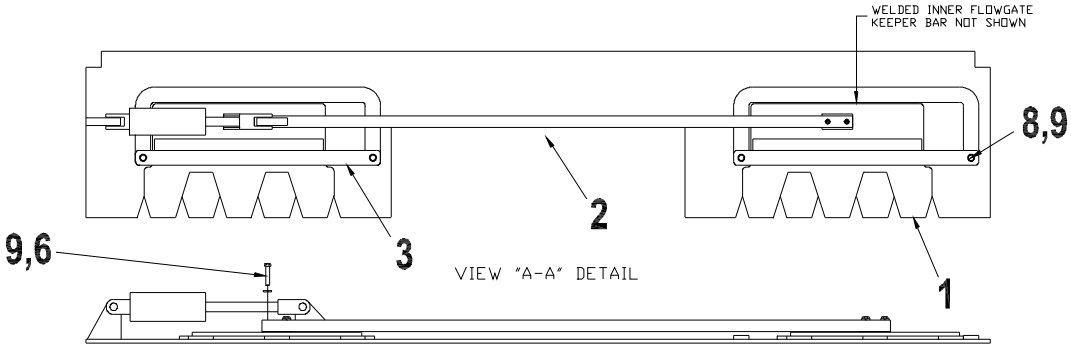
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1			
2	BN-906-7143	BOTTOM NI-HARD LINER	7
3	200174-03	BOTTOM REAR AR-400 LINER	1
4	95847	CSK BOLT - 1/2-12 X 2" GR8	36
5	149877-03	SIDE LINER (TAPPED)	12
6	200175-03	C-2 BOTTOM PLATE (AUGER END)	1
7	200176-03	C-2 BOTTOM PLATE	6
8	213515-01	C-2 CHUTE WLDMT.	1
9	120872-03	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

FLOWGATE ASSEMBLY
(214795-01)





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

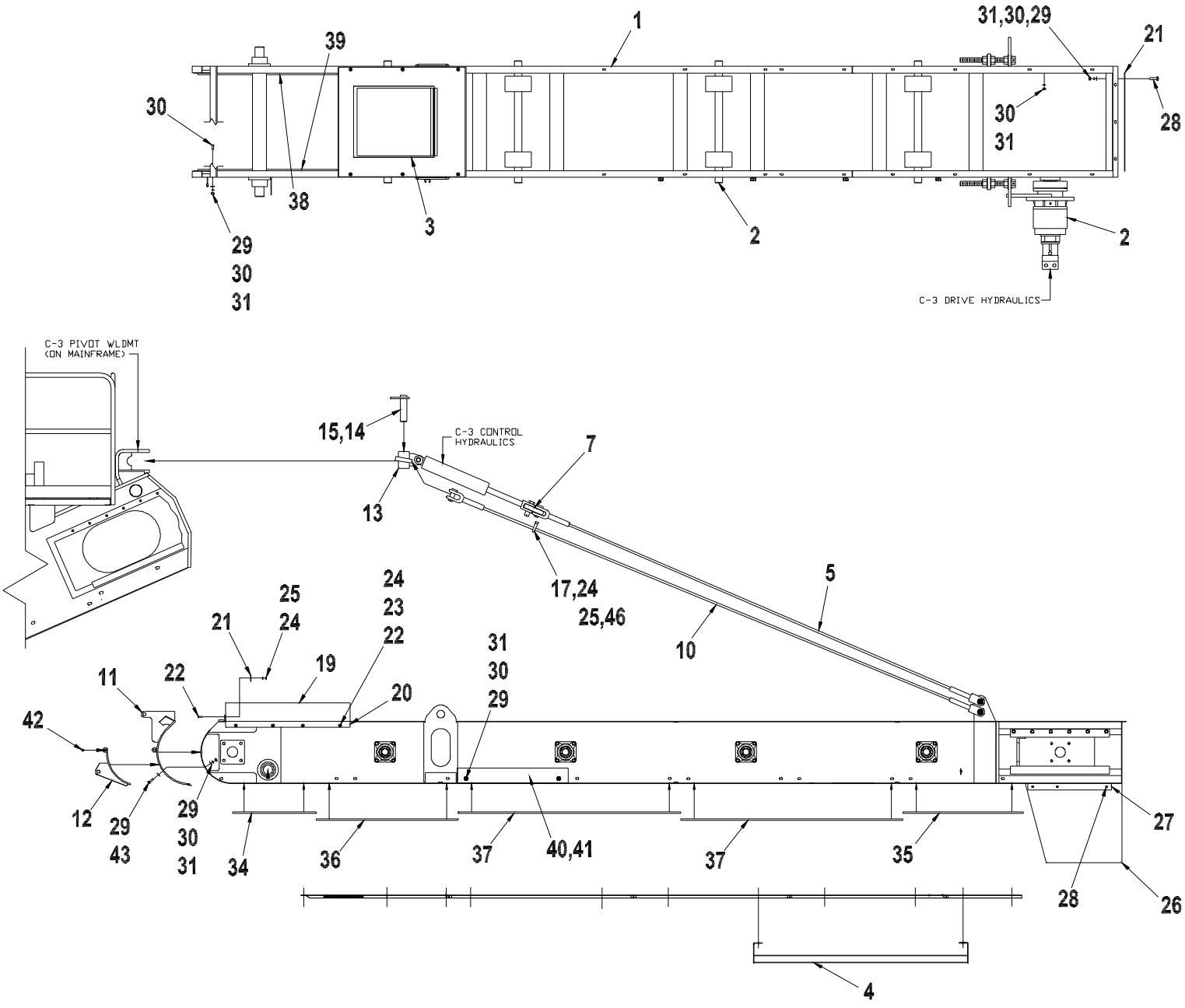


FLOWGATE ASSEMBLY
(214795-01)

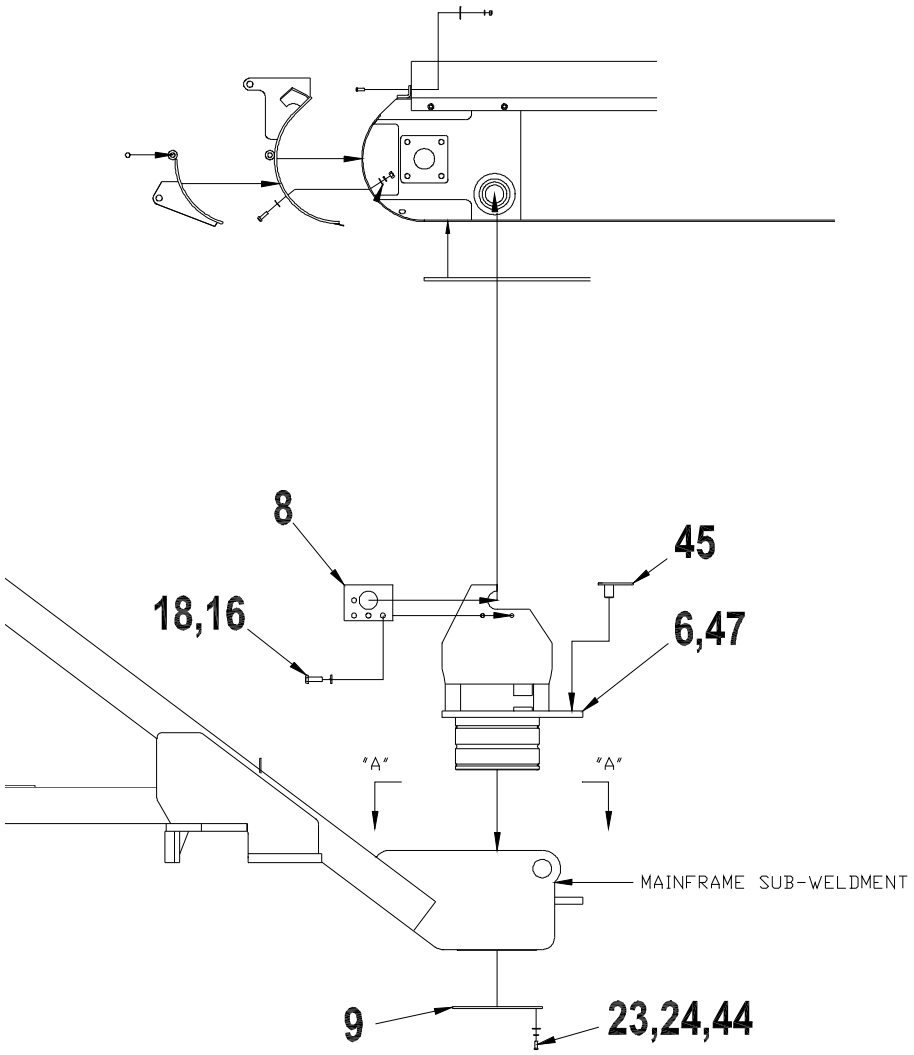
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202751-03	INNER FLOW GATE WLDMT.	4
2	200178-03	FLOW GATE TIE ROD WLDMT.	2
3	200145-03	INNER FLOW GATE KEEPER BAR	4
4	202514-03	FLOW GATE ACCESS COVER	2
5	205817-04	GREASE LINE - 1/4" X 80" W/ 4 JIC SW ENDS	2
6	26C56	HEX BOLT - 1/2-13 X 2 1/4" GR8	8
7	83754	HEX BOLT - 1/2-13 X 1" GR8	10
8	86164	HEX BOLT - 1/2-13 X 1 1/4" GR8	8
9	83317	LOCK WASHER - 1/2" SPRING STEEL	26

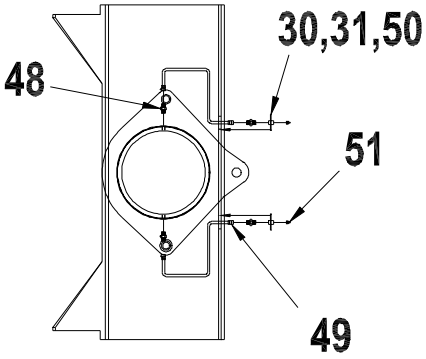
C-3 CONVEYOR ASSEMBLY
(214732-01)

NEXT PAGE



PREVIOUS PAGE





VIEW "A-A"

C-3 CONVEYOR ASSEMBLY
(214732-01)

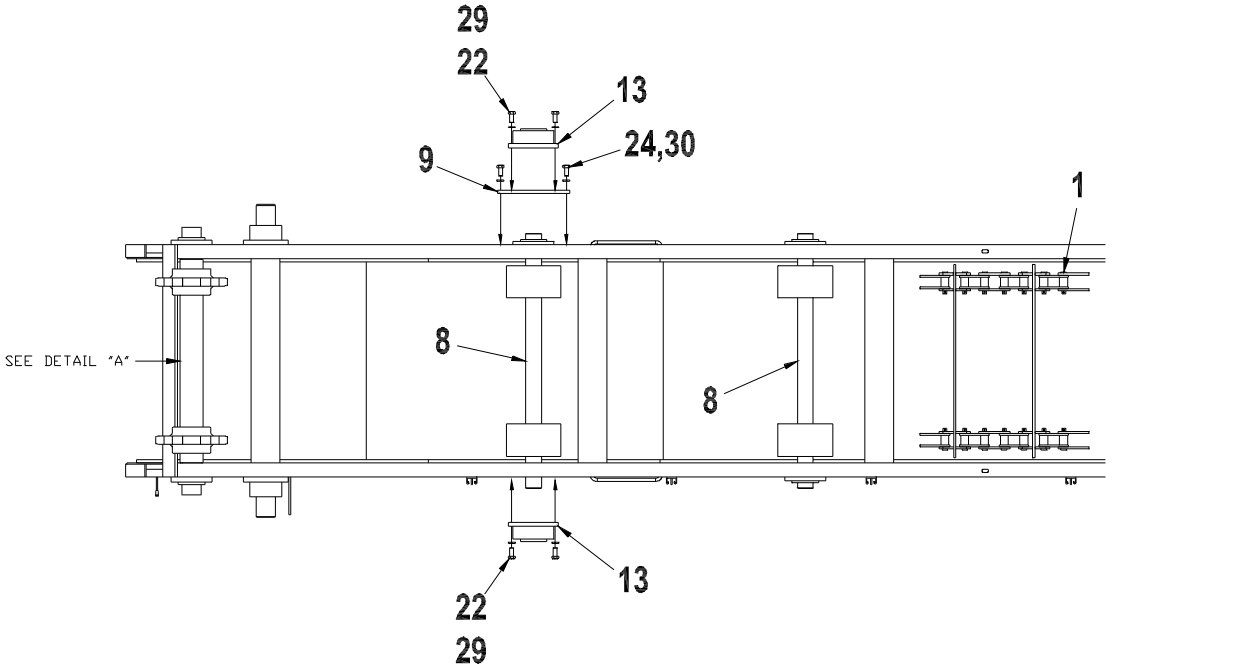
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214733-01	C-3 CONVEYOR	1
2	214734-01	C-3 CHAIN AND IDLER	1
3	214493-01	C-3 TOP COVER SUB-ASSY. INCL. FUMEX	1
4	214690-01	C-3 INSULATION AND TRUCK RAIL	1
5	213523-04	CABLE - C-3 LIFT X 155 3/4"	2
6	201177-01	PIVOT YOLK	1
7	204755-03	C-3 SPREADER BAR	1
8	121890-02	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

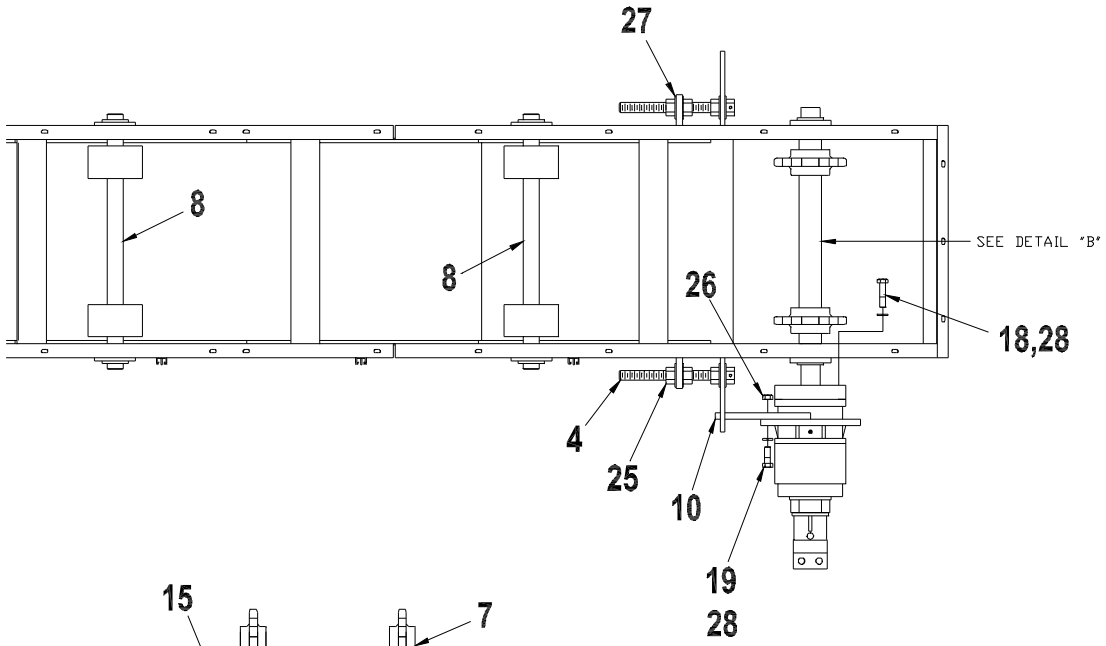
C-3 CONVEYOR ASSEMBLY
(214732-01)

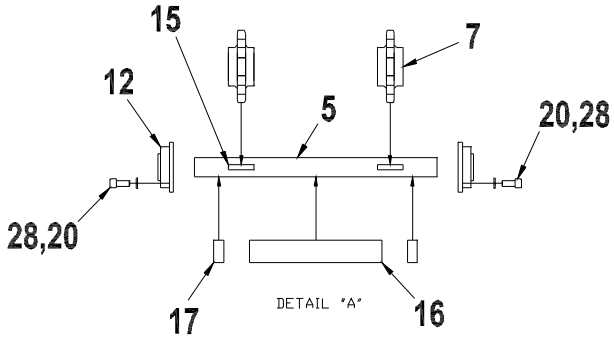
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	83416	GREASE FITTING - 1/8" NPT ST	2
52	138885-03-C2	KIT - KEEPER PIN (NOT SHOWN)	2

C-3 CHAIN & IDLER ASSEMBLY
(214734-01)

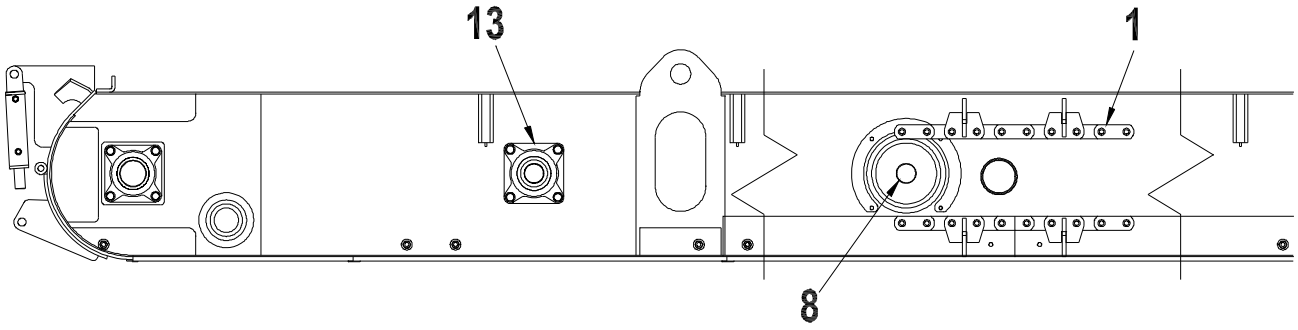
NEXT PAGE

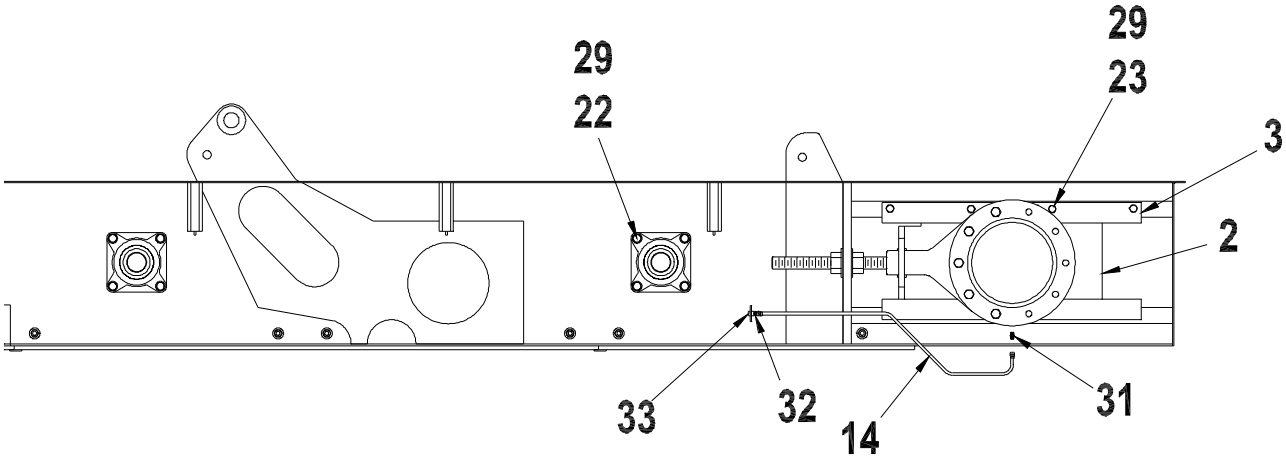


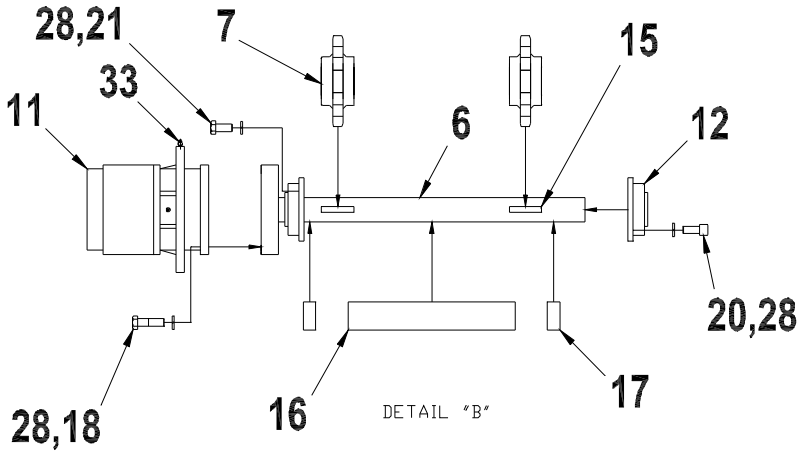




PREVIOUS PAGE





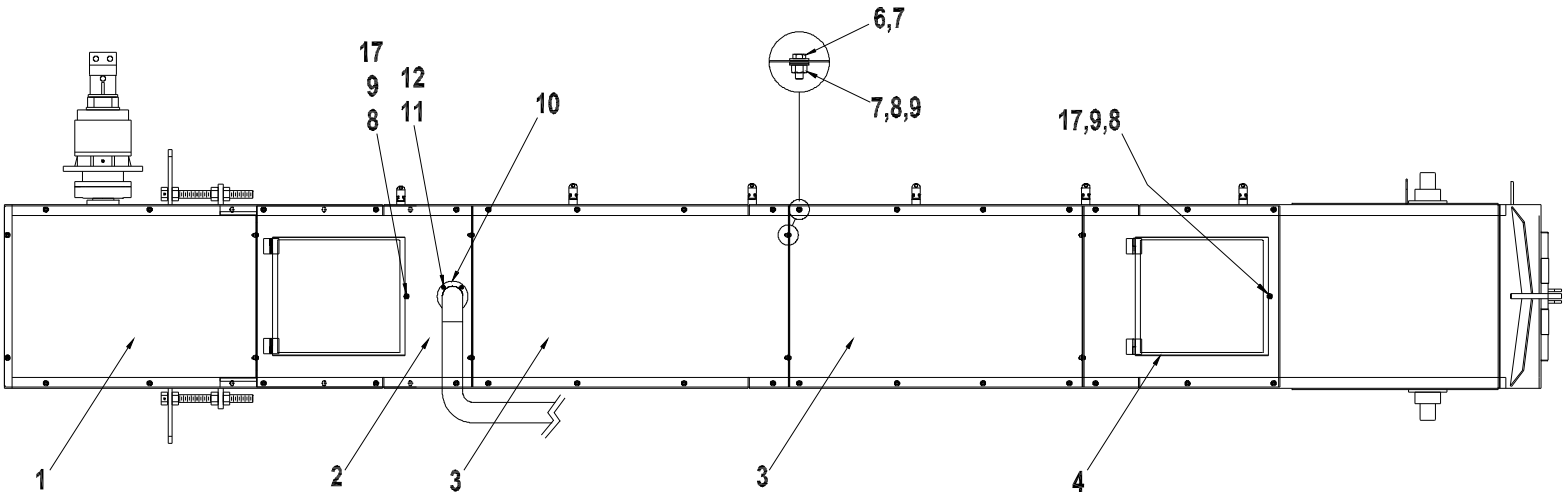


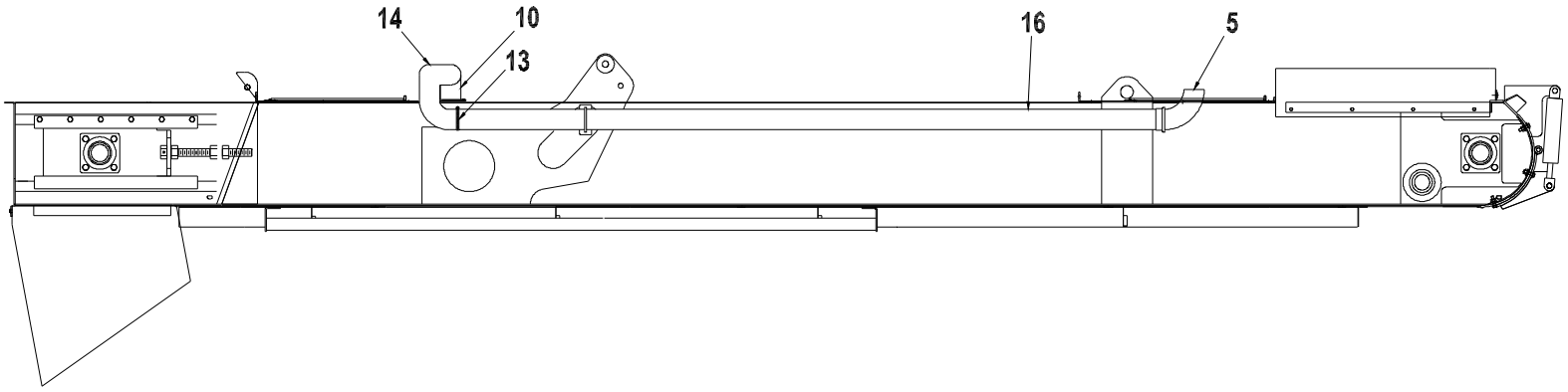
C-3 CHAIN & IDLER ASSEMBLY
(213734-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138907-02	CHAIN ASSEMBLY	1
2	122406-01	TAKE-UP PLATE	2
3	214742-03	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	89151	HEX BOLT - 3/4-10 X 3"	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	95932	HEX BOLT - 3/4-10 X 1 1/2 GR8	8
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	37
29	84717	LOCK WASHER - 5/8 SPRING STEEL	32
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

(214493-01)

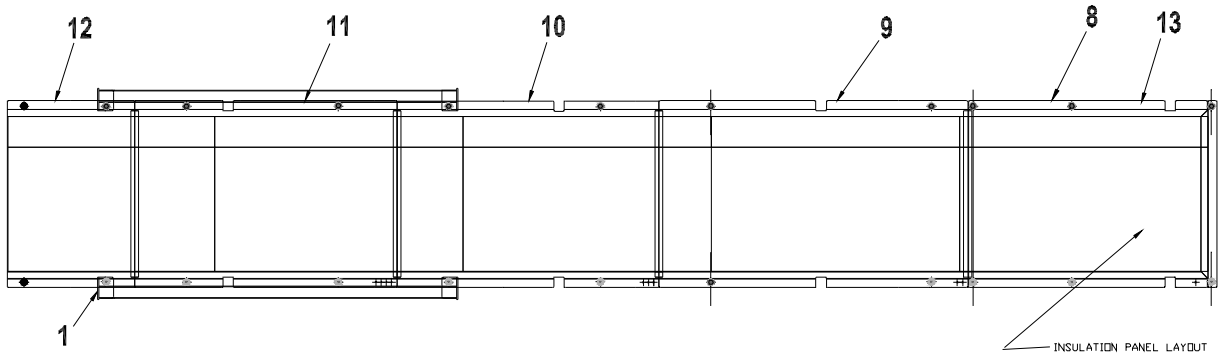


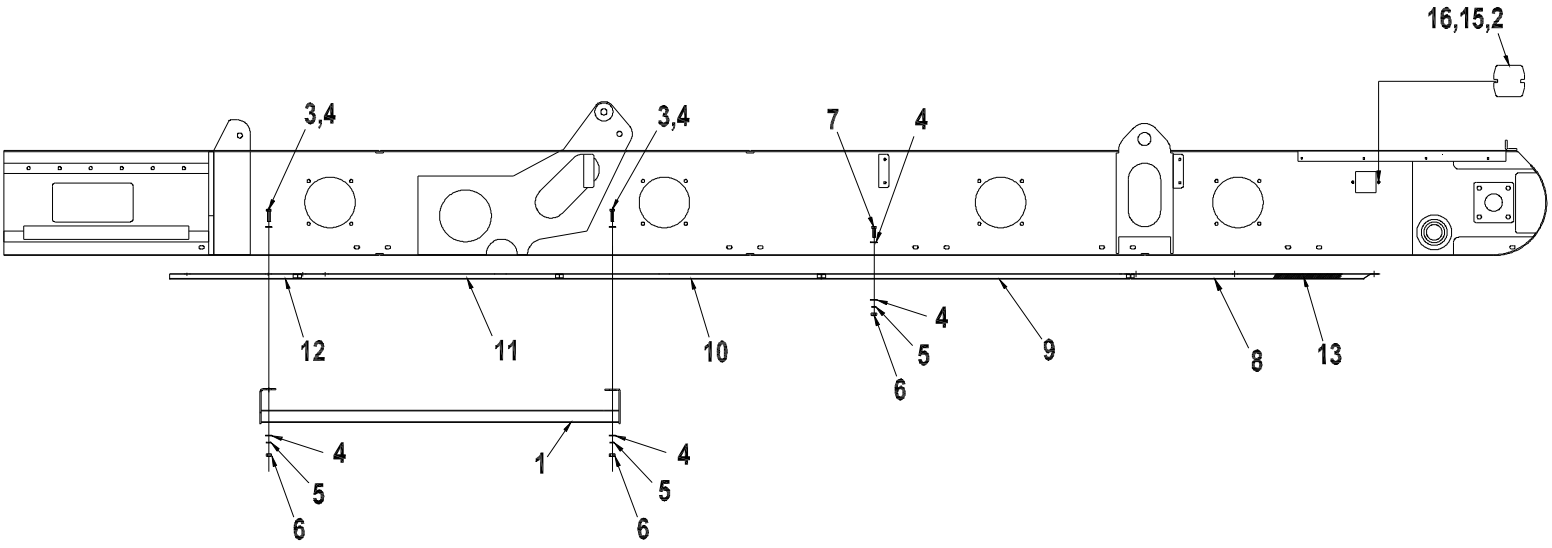


C-3 TOP COVER W/ FUME-EX ASSEMBLY
(214493-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214674-03	TOP COVER (DISCHARGE END)	1
2	214673-03	TOP COVER WLDMT.	1
3	214492-03	TOP COVER PANEL	2
4	214650-03	TOP COVER WLDMT. (RECEIVING END)	1
5	29H38	ELBOW - 4" ALUMINIZED 90 DEG.	1
6	84332	HEX BOLT - 3/8-16 X 1" GR8	30
7	83757	FLAT WASHER - 3/8" STEEL	50
8	83056	LOCK WASHER - 3/8" SPRING STEEL	28
9	83055	HEX NUT - 3/8-11 GR8	28
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	2
16	138462-04	FUME EXTRACTION TUBE (12 FT. LENGTH)	1
17	203227-03	HEAD & TAIL WASHER	1

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





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

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

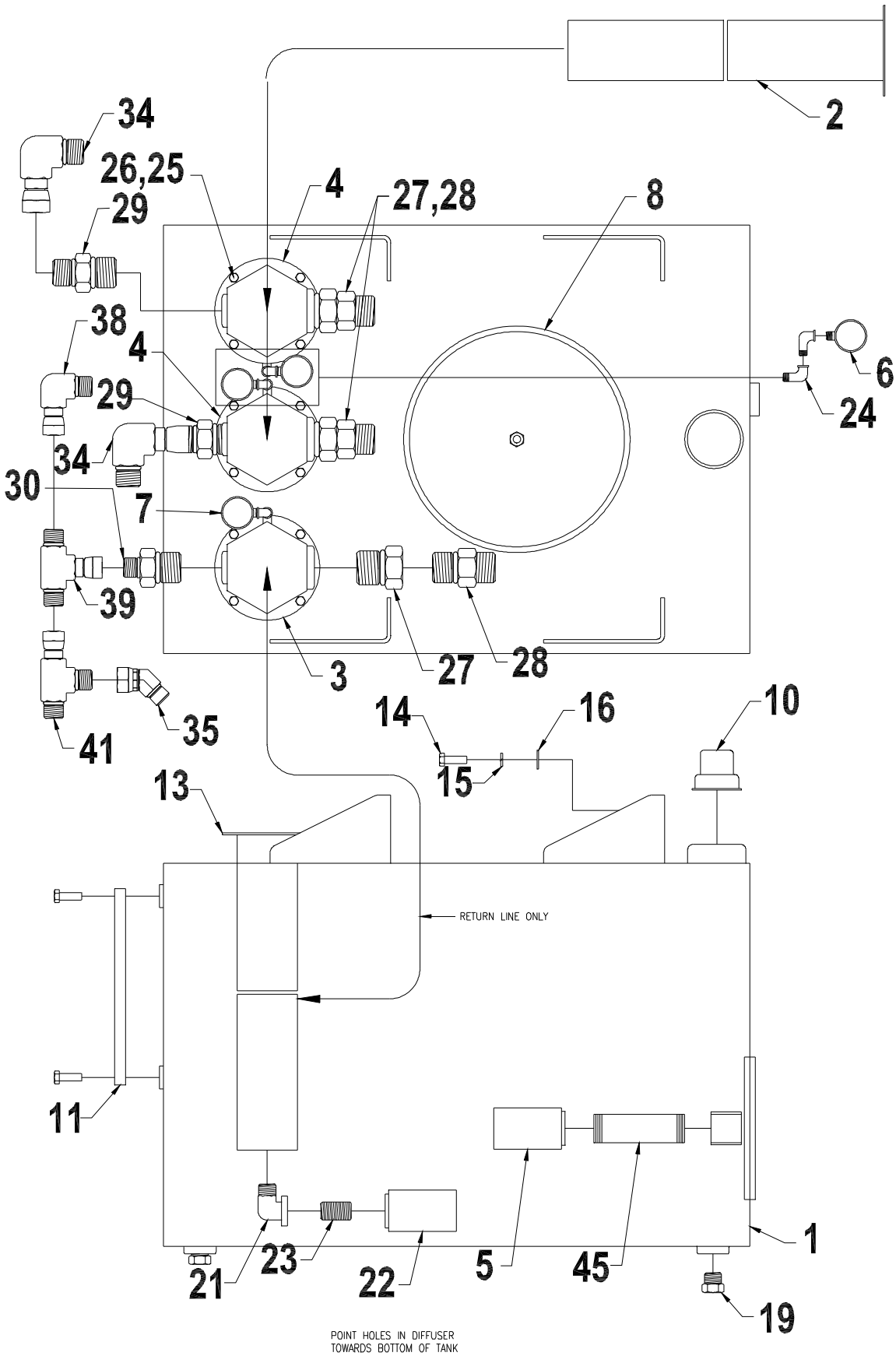
SECTION 4 : HYDRAULICS

ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	208162-01	724 & UP	4.1
AUXILIARY PUMP	206525-01		4.5
BRAKE (ROCKWELL AXLES)	214988-01	824 & UP	4.7
BRAKE ACCUMULATOR	202729-03		4.11
R.H. BRAKE ACTUATOR	202728-03		4.13
L.H. BRAKE ACTUATOR	202727-03		4.15
BRAKE MANIFOLD	202724-03		4.17
FUME CONTROL	214930-02		4.19
FUME CNTL. MANIFOLD	214887-03		4.21
C-1 CONVEYOR DRIVE	211351-01	761 & UP	4.23
C-1 HOPPER	214928-01	824 & UP	4.27
C-1 HOPPER CONTROL MANIFOLD	210664-02		4.29
C-1 RAISE / LOWER	214929-01	824 & UP	4.31
C-1 RAISE/LOWER MANIFOLD	214885-01		4.35
C-1 HYD. PUSH ROLLER	209080-01	722 & UP	4.37
PUSH ROLLER MANIFOLD	209079-02		4.39
C-2 CONVEYOR DRIVE	149543-01		4.41
C-2 HOPPER CLEAN OUT	149422-01		4.45
C-3 CONVEYOR DRIVE	145972-01		4.47
C-3 CONTROL	214925-01	824 & UP	4.49
C-3 CNTL. MANIFOLD	214886-02		4.51
FLOWGATE	214927-01		4.55
FLOWGATE CNTL. MANIFOLD	214889-02		4.59
HOOD RAISE	204266-01		4.61
DRIVE (PROPEL)	200772-01		4.63
STEERING	149416-01		4.67
DIFF. LOCK VALVE	202267-02		4.69
HAND PUMP / PILOT VALVE MANIFOLD	202291-03		4.71
HYDRAULIC CHANNEL ASSY.	205434-01		4.73
SPEED CHART	207978-01		
SCHEMATIC	213477-01		
HOSE LIST	215366-04		

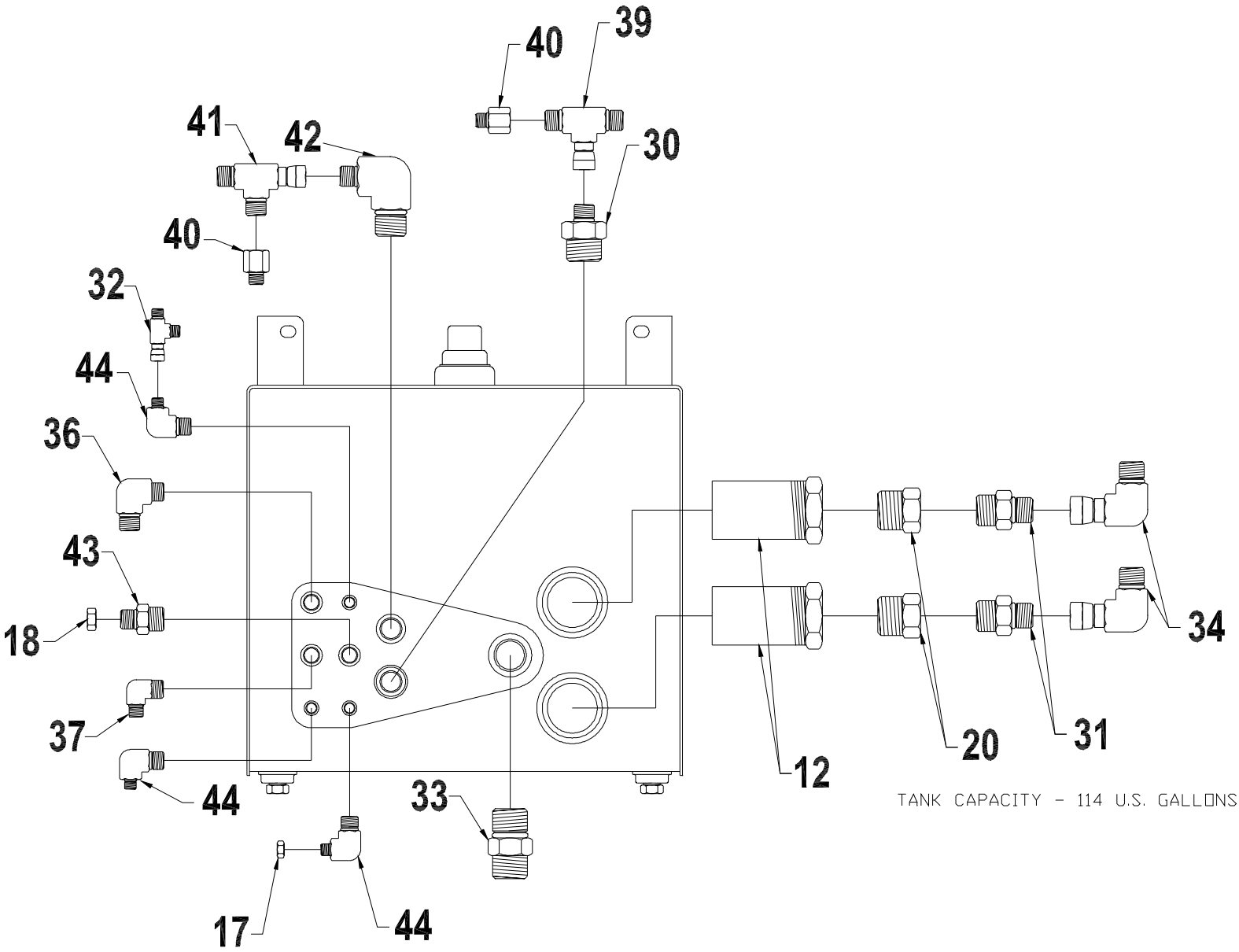
ROADTEC
an Astec company

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

NEXT PAGE



PREVIOUS PAGE

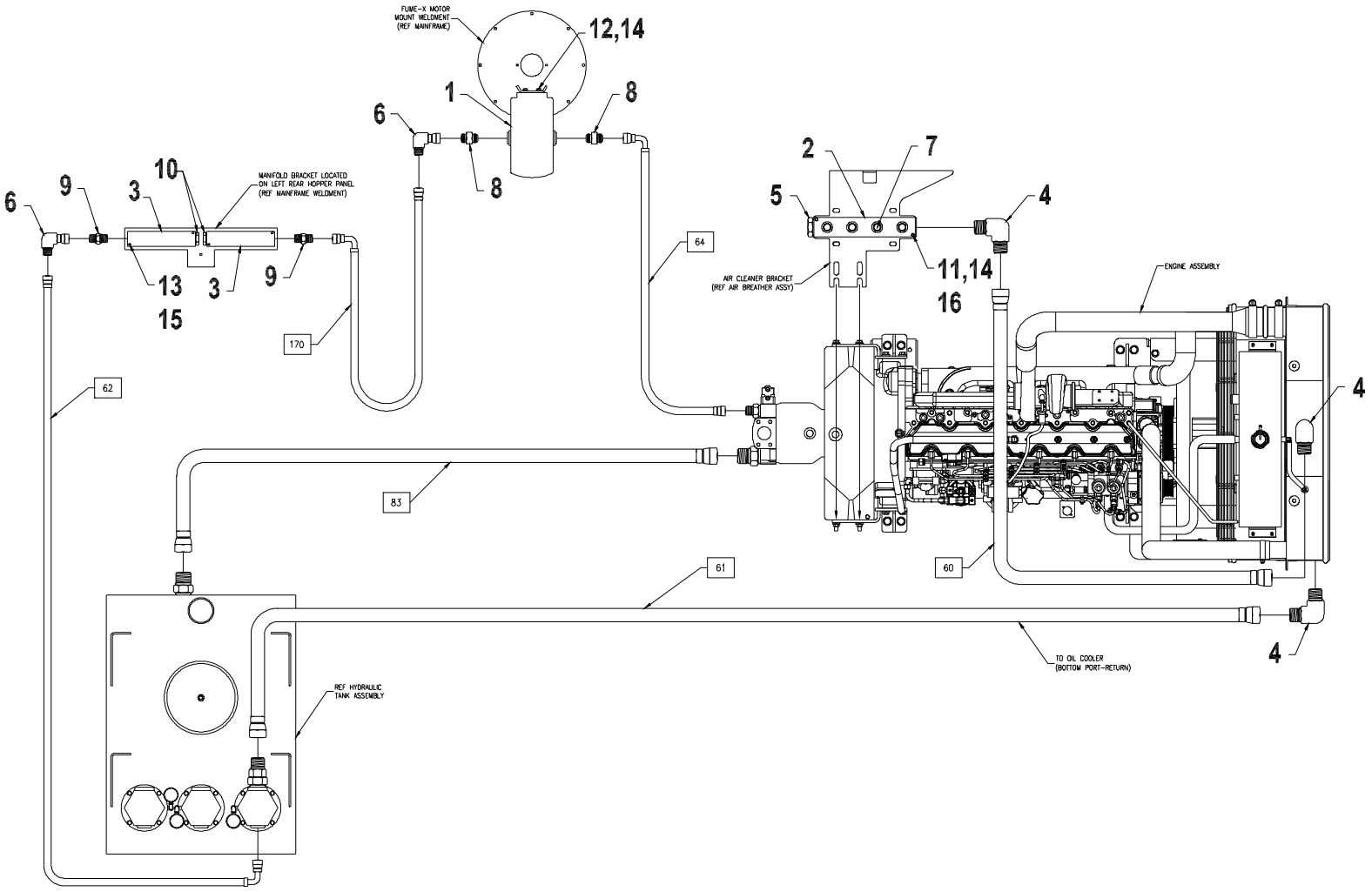


SB-2500C HYDRAULIC TANK ASSEMBLY
(208162-01)

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	2
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	2
39	89898-04	12 JIC SWIVEL BRANCH TEE	2
40	83456-04	12 JIC F. X 8 JIC REDUCER	2
41	84402-04	12 JIC SWIVEL RUN TEE	2
42	142927	FIT - 20 SAE X 12 JIC 90 DEG. ELBOW	1
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)

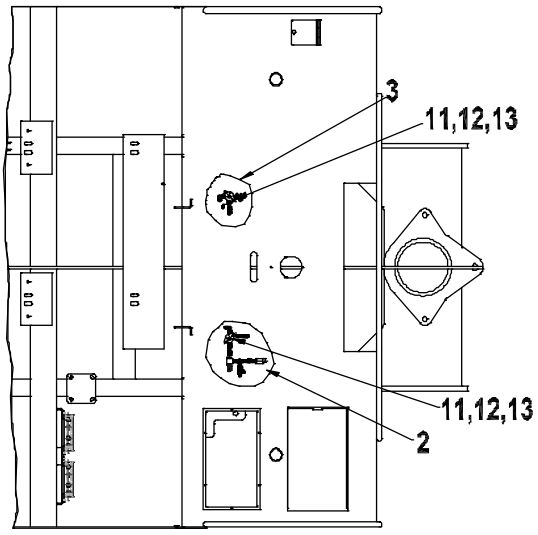


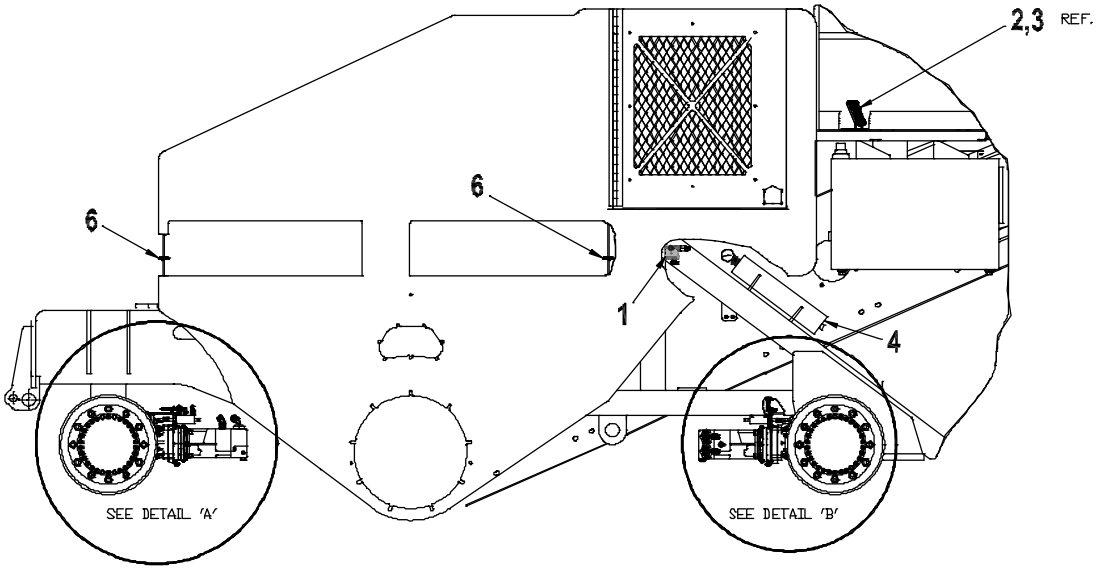
AUXILIARY PUMP & OIL COOLER HYDRAULICS
(206525-01)

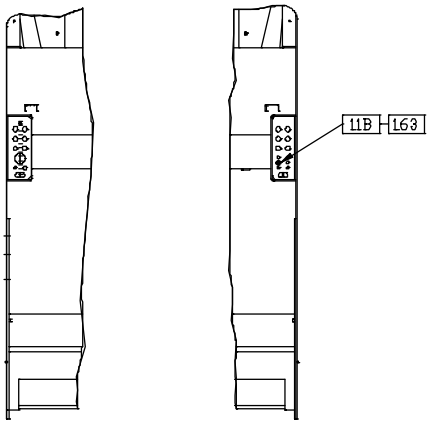
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142799-03	HIGH PRESSURE IN-LINE FILTER	1
2	206524-03	O DEG. MANIFOLD BLOCK (16 SAE PORTS)	1
3	206522-03	180 DEG. MANIFOLD BLOCK (8 SAE PORTS)	2
4	97168	20 JIC X 20 SAE 90	3
5	127627	FIT - 20 SAE PLUG	1
6	83764-04	12 JIC SW 90	2
7	85875-04	FIT - 16 SAE X 12 JIC 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

BRAKE CIRCUIT HYDRAULICS
(214988-01)

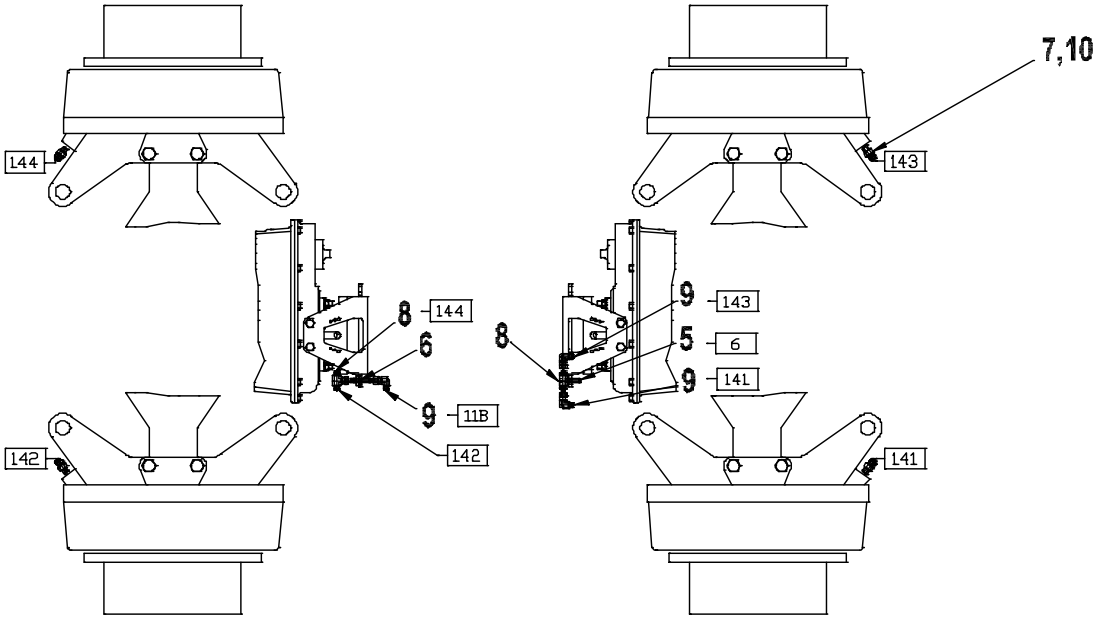
NEXT PAGE





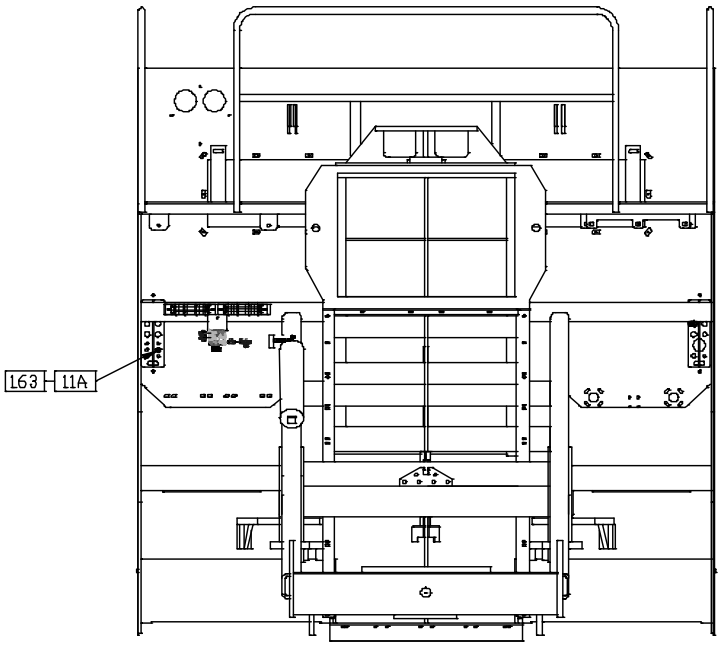


PREVIOUS PAGE



DETAIL 'A'

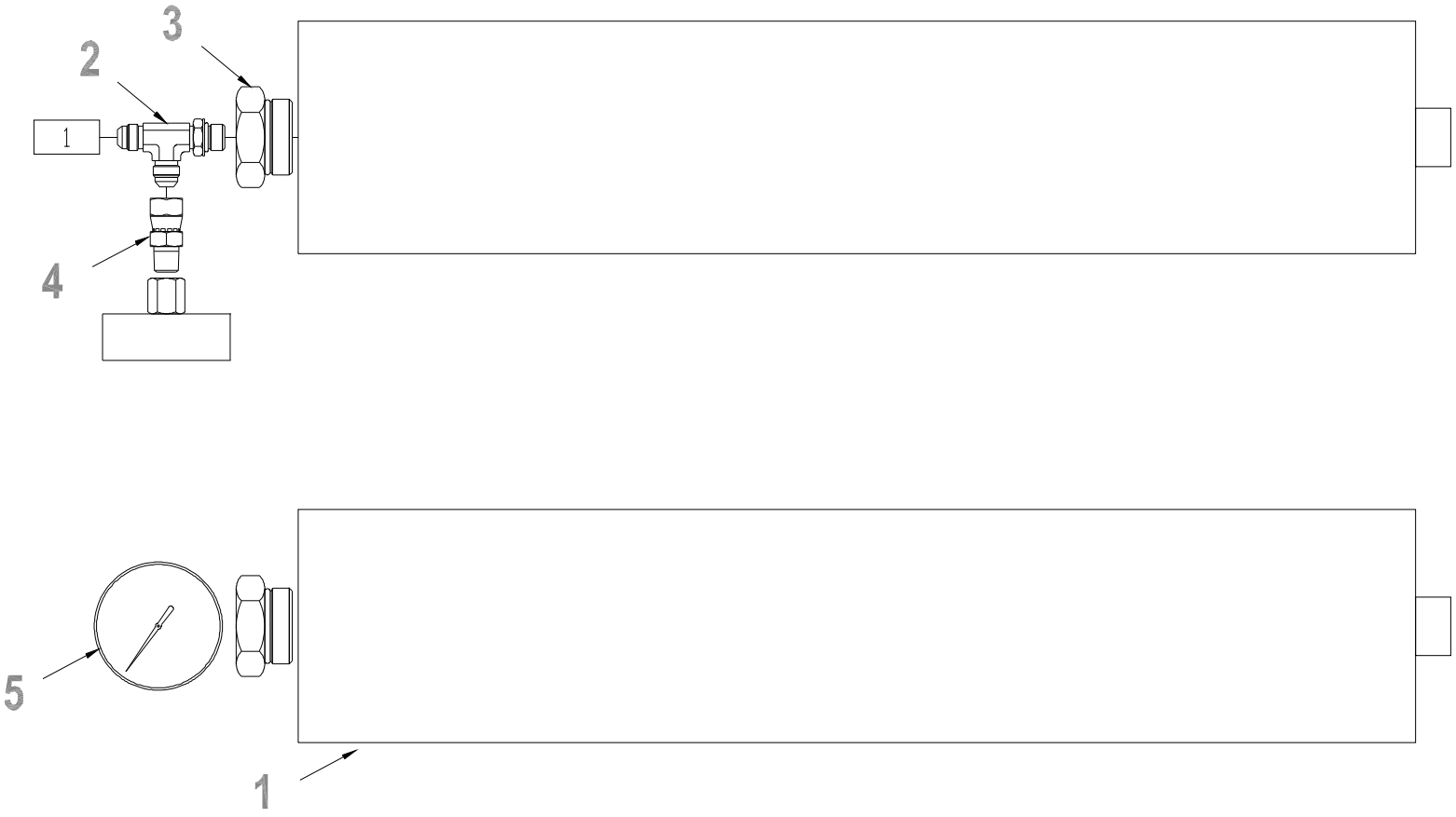
DETAIL 'B'



BRAKE CIRCUIT HYDRAULICS
(214988-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214884-03	ASSY. - BRAKE MANIFOLD	1
2	202727-03	ASSY. - BRAKE ACTUATOR VALVE (LH)	1
3	202728-03	ASSY. - BRAKE ACTUATOR VALVE (RH)	1
4	202729-03	ASSY. - BRAKE ACCUMULATOR	1
5	85381	FIT - 6 JIC BULKHEAD 90 DEG.	1
6	83475-04	FIT - UNION 6 JIC BULKHEAD STEEL	1
7	130259	FIT - BRAKE 1553	4
8	89598	FIT - SWIVEL BRANCH TEE 6 JIC	2
9	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	3
10	N/A	FIT - BRAKE BLEEDER (INCL. W/ AXLE)	4
11	89773	HEX BOLT - 1/4-20 X 1"	6
12	83065	LOCK WASHER - 1/4" SPRING STEEL	6
13	84444	FLAT WASHER - 1/4" STEEL	6

BRAKE ACCUMULATOR
(202729-03)



(XX) - ITEM

[XXX] - HOSE NUMBER

BRAKE ACCUMULATOR
(202729-03)

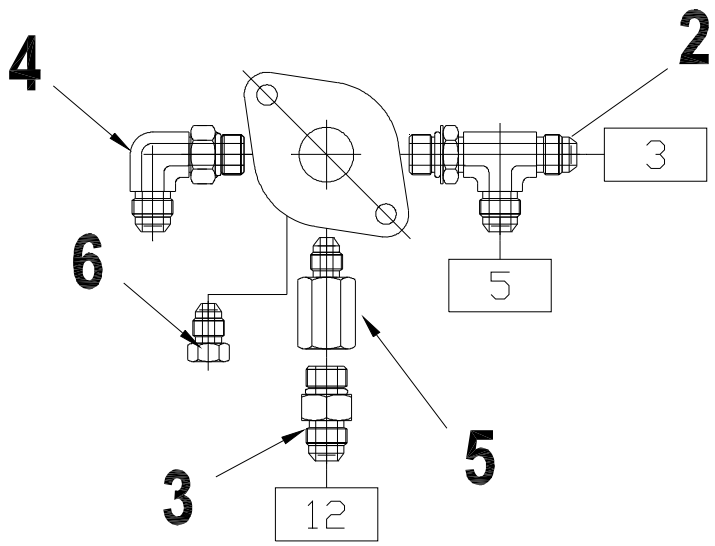
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99389	TANK, TOBUL ACCUMULATOR	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	136299-04	REDUCER, 20 SAE M. X 6 SAE FM. SWIVEL	1
4	86622-04	1/4 NPT M. X 6 JIC FM. SWIVEL	1
5	89059-04	GAUGE 0-3000 PSI U-N-U-GF	1
6			
7			
8			
9			
10			

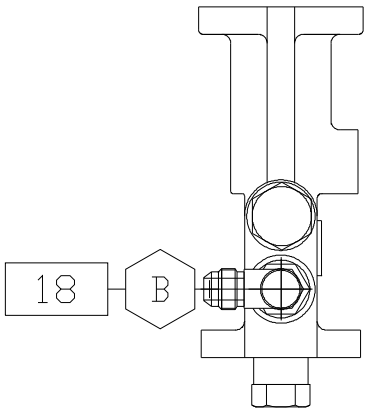
R.H. BRAKE ACTUATOR
(202728-03)

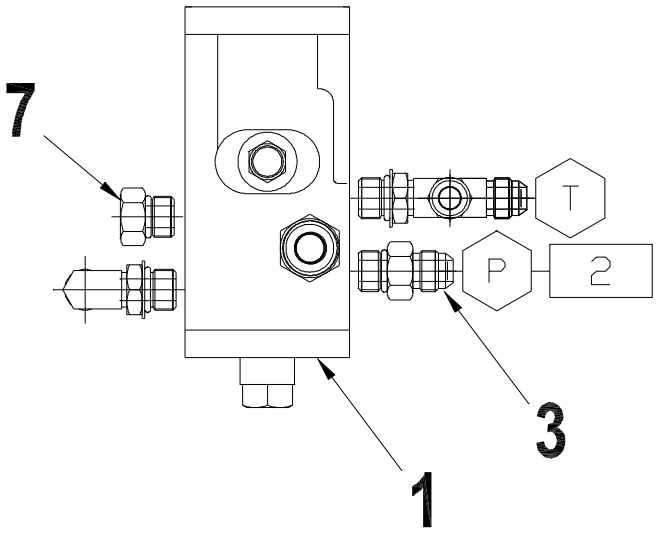
(X) - ITEM

XXX - HOSE NUMBER

(XX) - MANIFOLD PORT

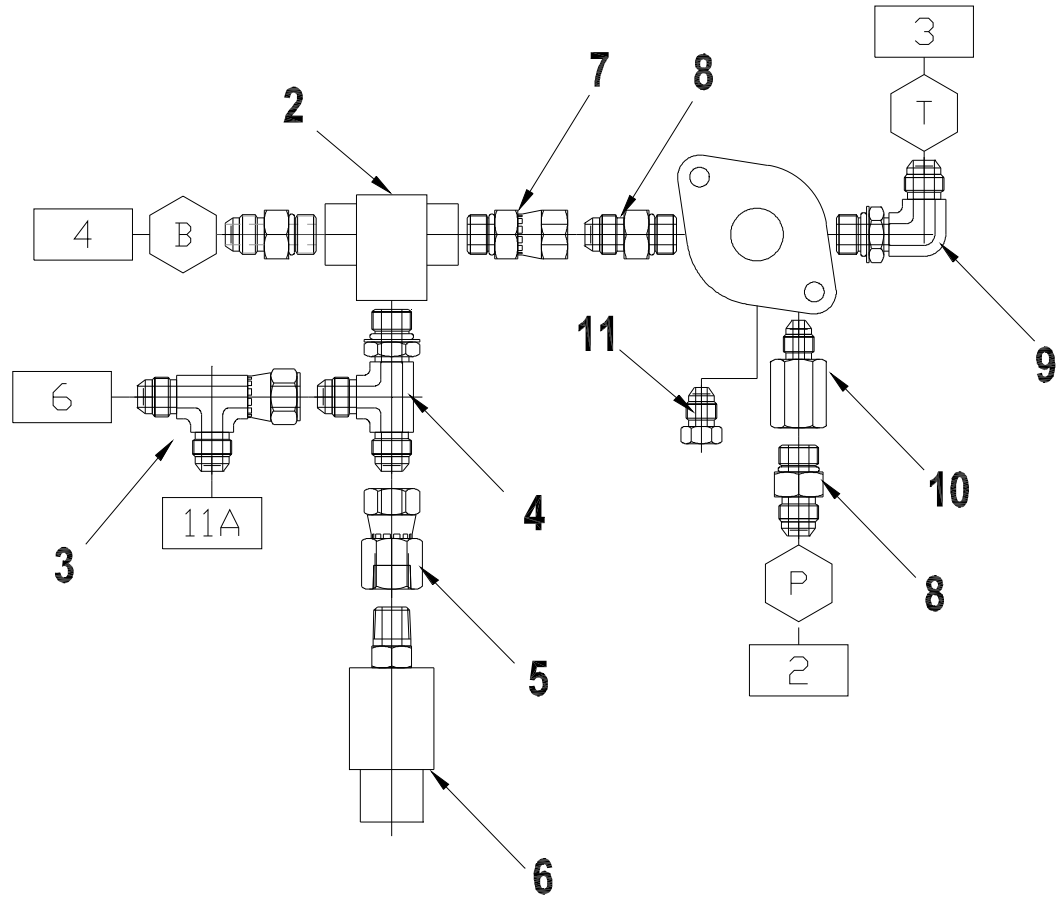






R.H. BRAKE ACTUATOR
(202728-03)

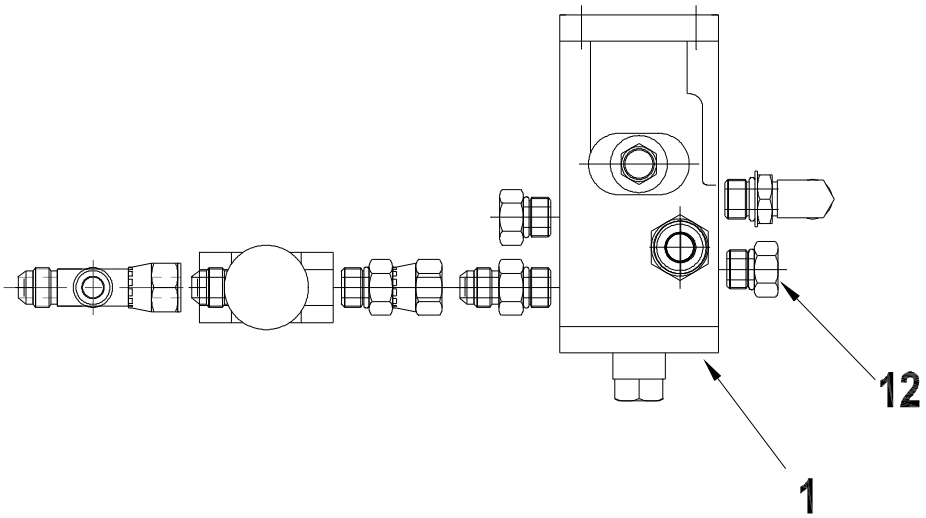
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99365	VALVE, ACTUATOR HYD. POWER BRAKE	1
2	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
4	83734-04	6 JIC X 6 SAE 90	1
5	88579-04	ADAPTER - 4 SAE M. X 6 SAE	1
6	89897-04	PLUG 4 SAE	1
7	84635-04	PLUG 6 SAE THIN-HEAD	1
8			
9			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



(X) - ITEM

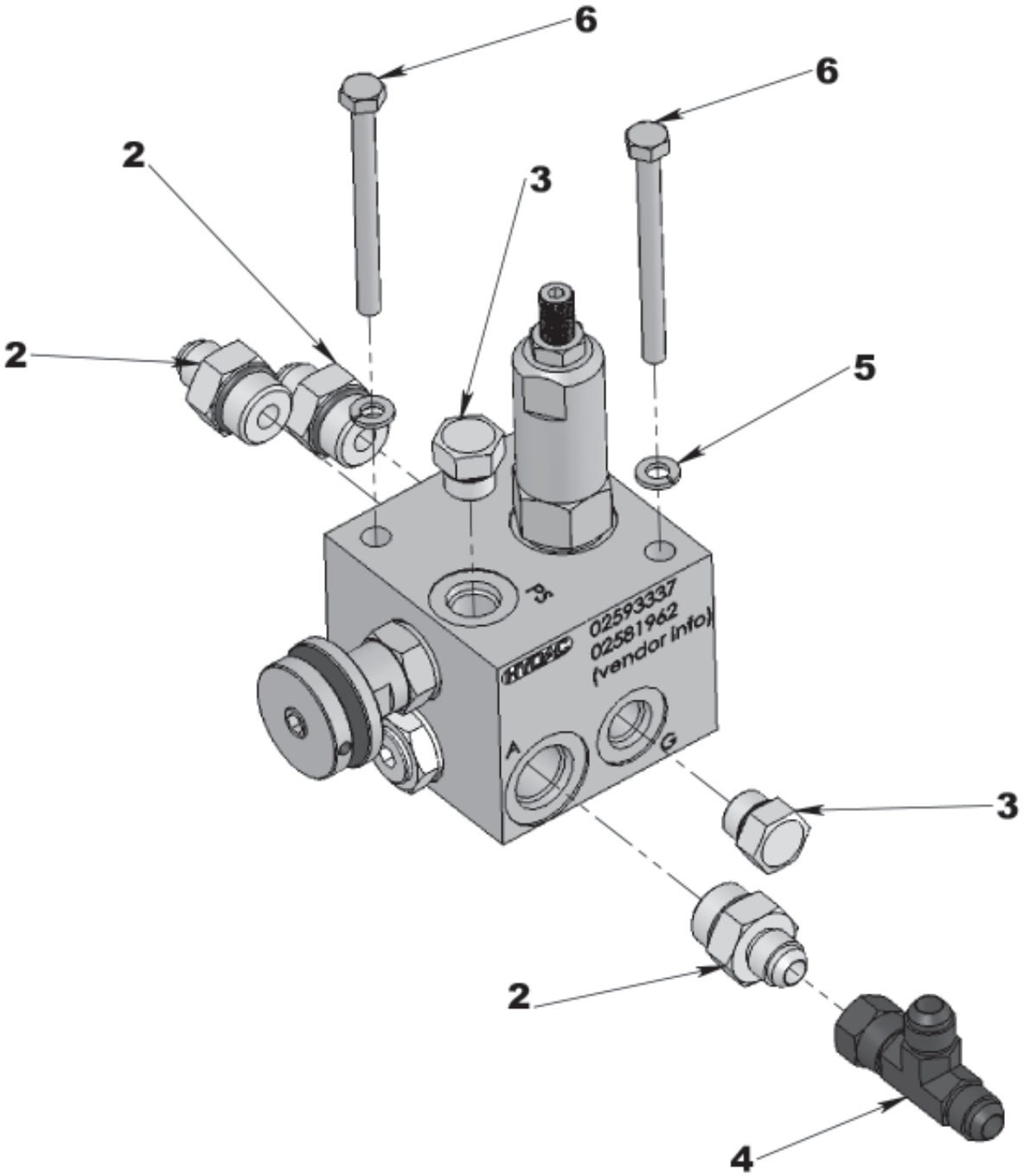
XXX - HOSE NUMBER

(XX) - MANIFOLD PORT



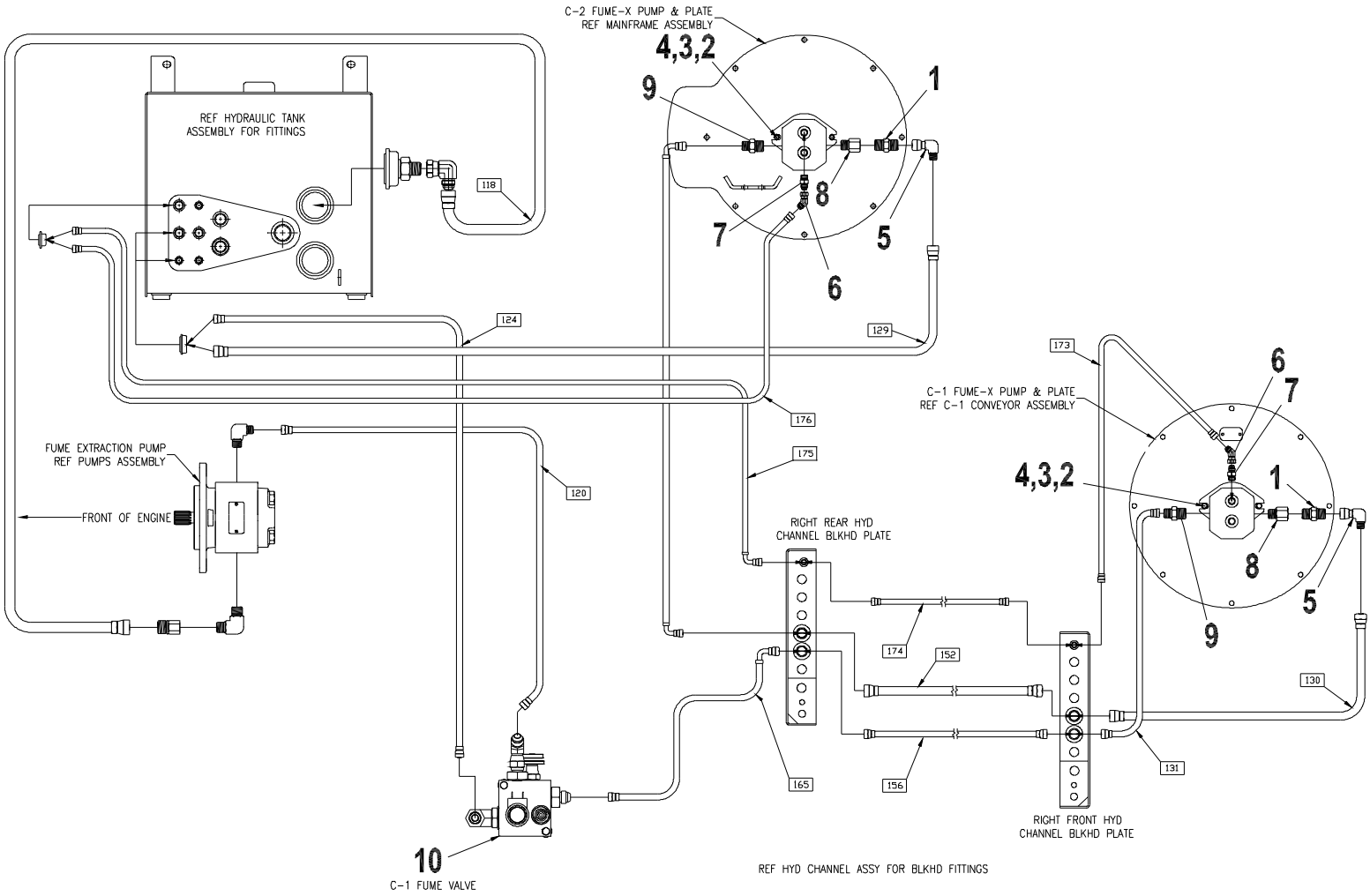
L.H. BRAKE ACTUATOR
(202727-03)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	99365	VALVE, ACTUATOR HYD. POWER BRAKE	1
2	136641-04	SHUTTLE VALVE - 6 SAE PORTS	1
3	84636-04	6 JIC SWIVEL RUN TEE	1
4	91665-04	6 JIC M. X 6 SAE M. RUN TEE	1
5	132960-04	ADAPTER - 1/4 NPT FM. X 6 JIC FM. SW	1
6	144981-04	SSWITCH, PRESSURE SP/ST 50 PSI	1
7	135923-04	6 SAE M. X 6 JIC FM. SW. STR.	1
8	83735-04	ADAPTER - 6 JIC X 6 SAE M.	3
9	83734-04	6 JIC X 6 SAE 90	1
10	88579-04	ADAPTER - 4 SAE M. X 6 SAE	1
11	89897-04	PLUG 4 SAE	1
12	84635-04	PLUG 6 SAE THIN-HEAD	2
13			
14			
15			


6
6
2
3
2
5
02593337
02581962
(vendor info)
A
G
3
2
4

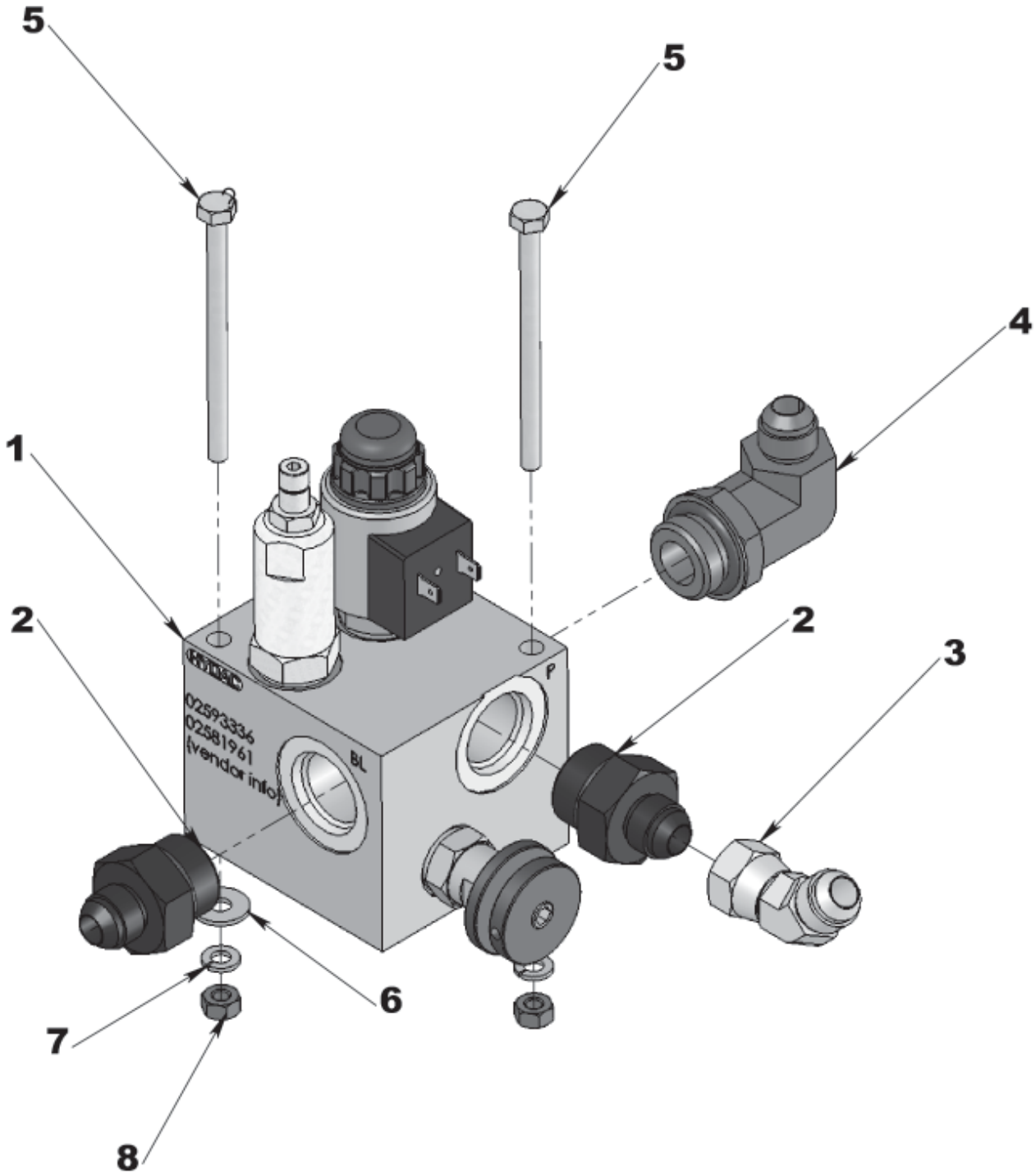
BRAKE MANIFOLD
(214884-03)

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


C-2 FUME-X PUMP & PLATE
REF MAINFRAME ASSEMBLY
4,3,2
9
1
8
7
5
6
REF HYDRAULIC TANK
ASSEMBLY FOR FITTINGS
118
124
129
176
175
120
FUME EXTRACTION PUMP
REF PUMPS ASSEMBLY
FRONT OF ENGINE
173
C-1 FUME-X PUMP & PLATE
REF C-1 CONVEYOR ASSEMBLY
6
7
4,3,2
1
8
5
9
RIGHT REAR HYD
CHANNEL BLKHD PLATE
174
152
130
165
156
131
RIGHT FRONT HYD
CHANNEL BLKHD PLATE
10
C-1 FUME VALVE
REF HYD CHANNEL ASSY FOR BLKHD FITTINGS

FUME CONTROL HYDRAULICS
(214930-02)

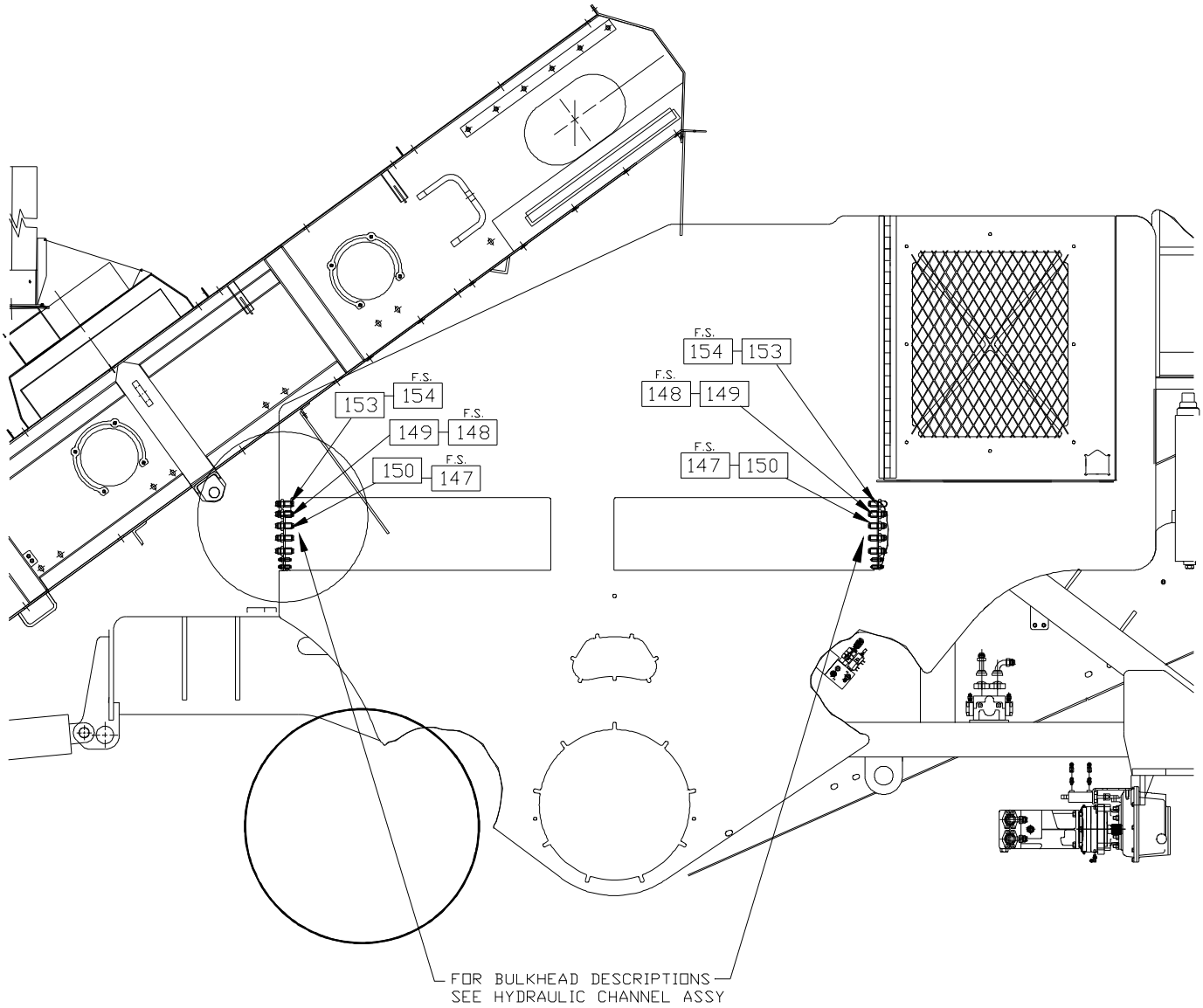
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142848-04	CHECK VALVE - #12 100 PSI CRACKING	2
2	96476	HEX BOLT - 3/8-16 X 1 1/4" GR8	4
3	83757	FLAT WASHER - 3/8" STEEL	8
4	93175	LOCK NUT - 3/8-16 SPRING STEEL	4
5	83764-04	FIT - 12 JIC SW 90 DEG. ELBOW	2
6	90768-04	FIT - CONNECTOR - 6 JIC 45 DEG. SW	2
7	93735-04	ADAPTER - 6 JIC - 6 SAE MALE	2
8	89786-04	ADAPTER - 10 SAE M - 12 SAE FM	1
9	83704-04	FIT - 10 SAE X 8 JIC M ST CONNECTOR	2
10	214887-03	MANIFOLD - FUME EXTRACTION	2

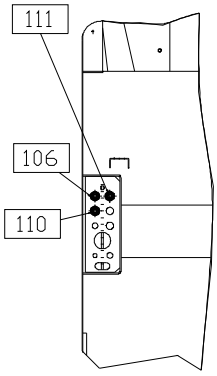

5
5
4
1
2
2
3
6
7
8
P
BL
02593336
02581961
{vendor info}

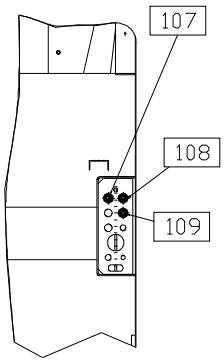
FUME CONTROL MANIFOLD
(214887-03)

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

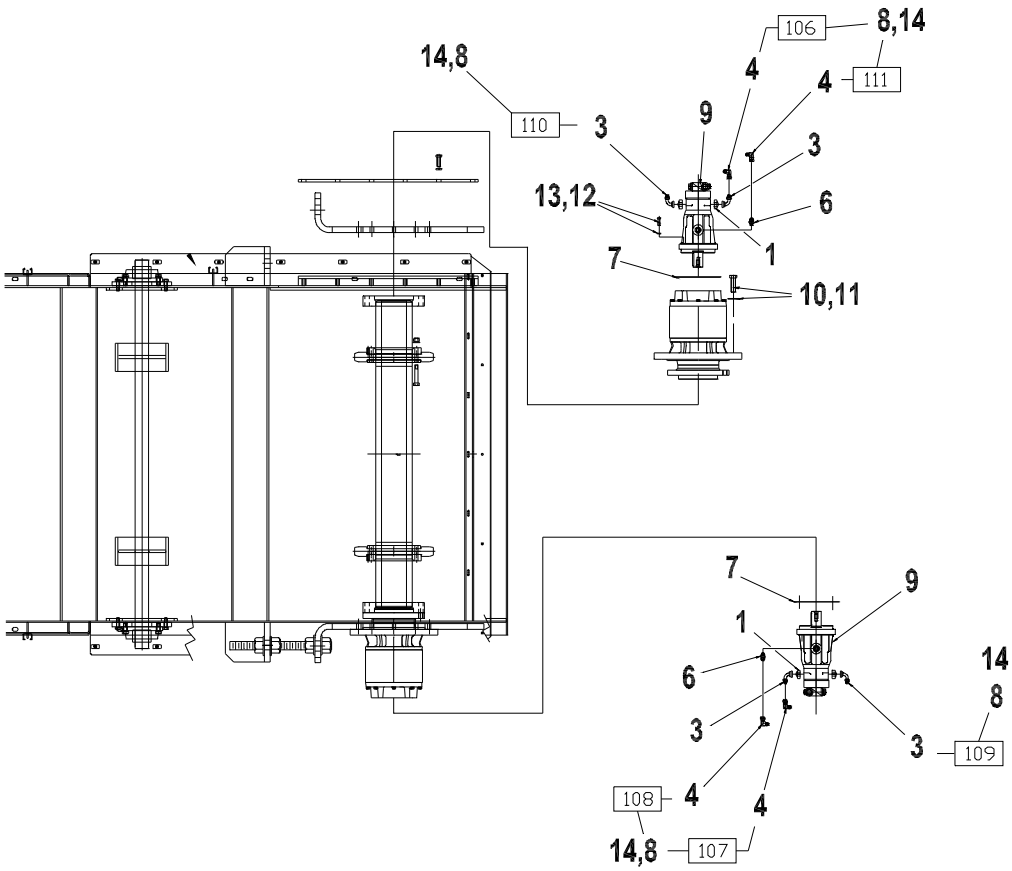
NEXT PAGE

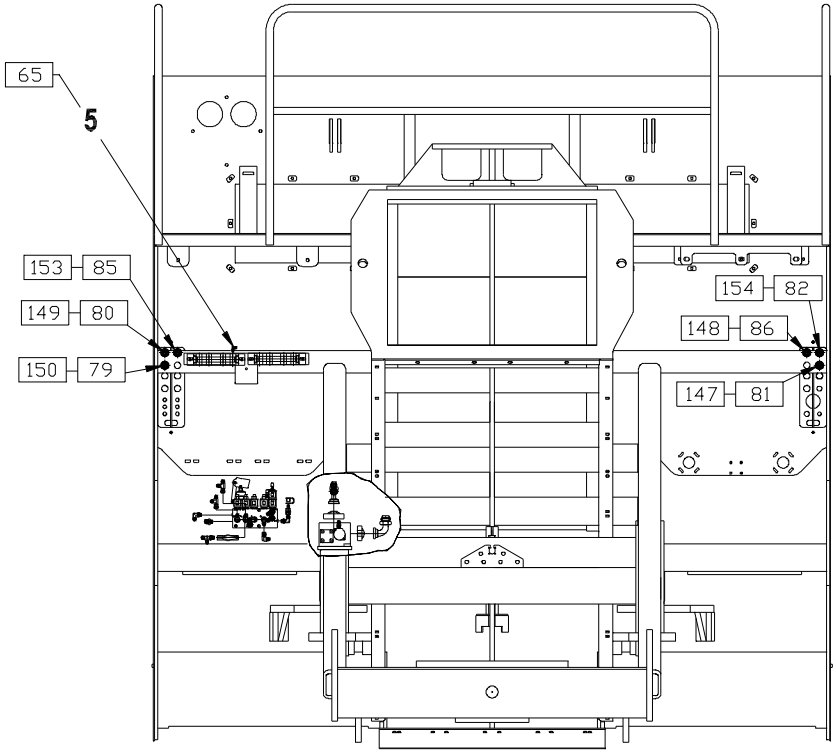

F.S.
153
154
F.S.
149
148
F.S.
150
147
F.S.
154
153
F.S.
148
149
F.S.
147
150
FOR BULKHEAD DESCRIPTIONS
SEE HYDRAULIC CHANNEL ASSY


111
106
110


107
108
109

PREVIOUS PAGE



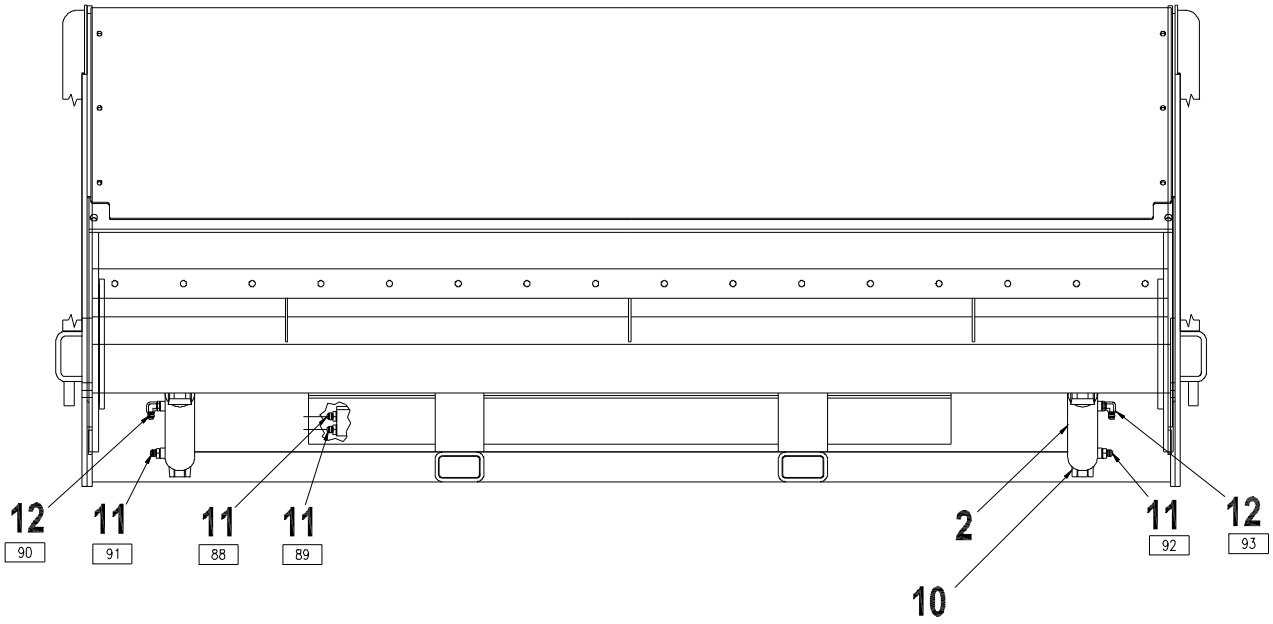


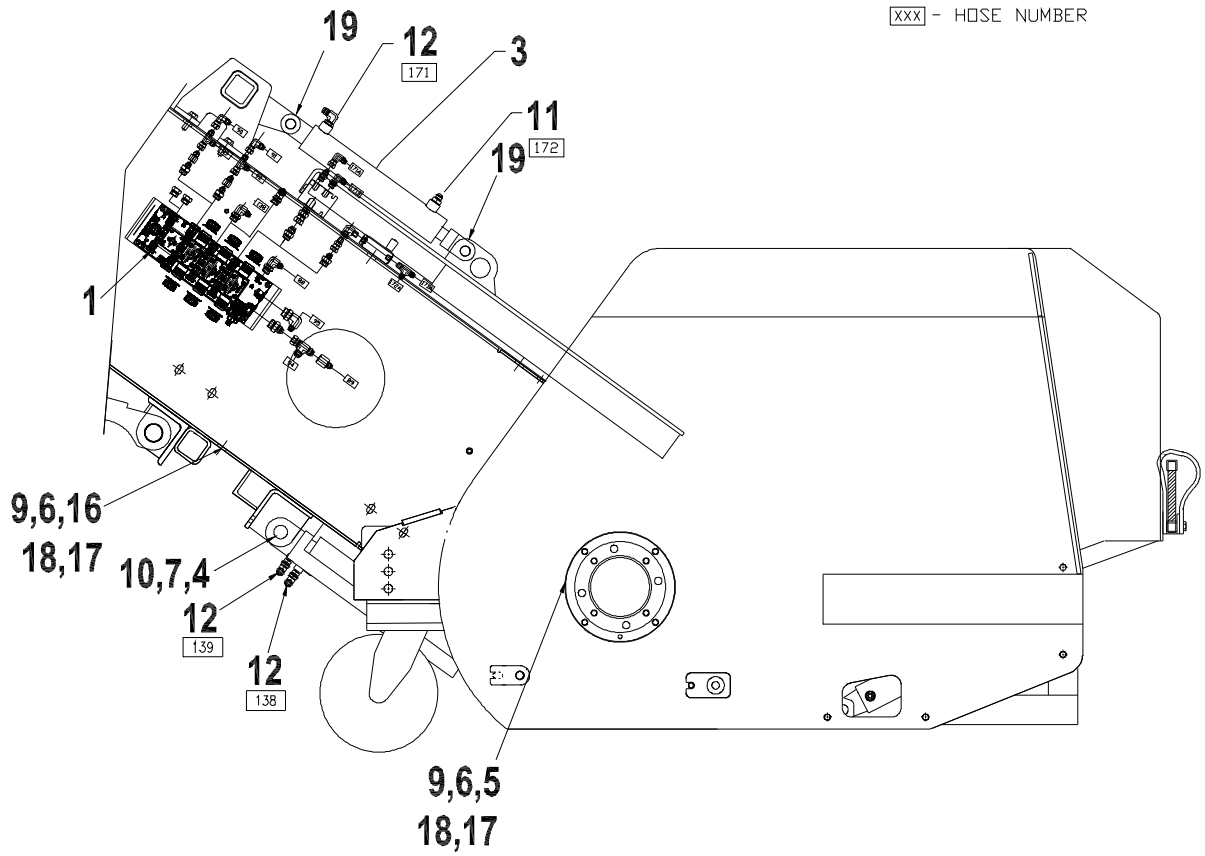
C-1 DRIVE HYDRAULICS
(211351-01)

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			
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

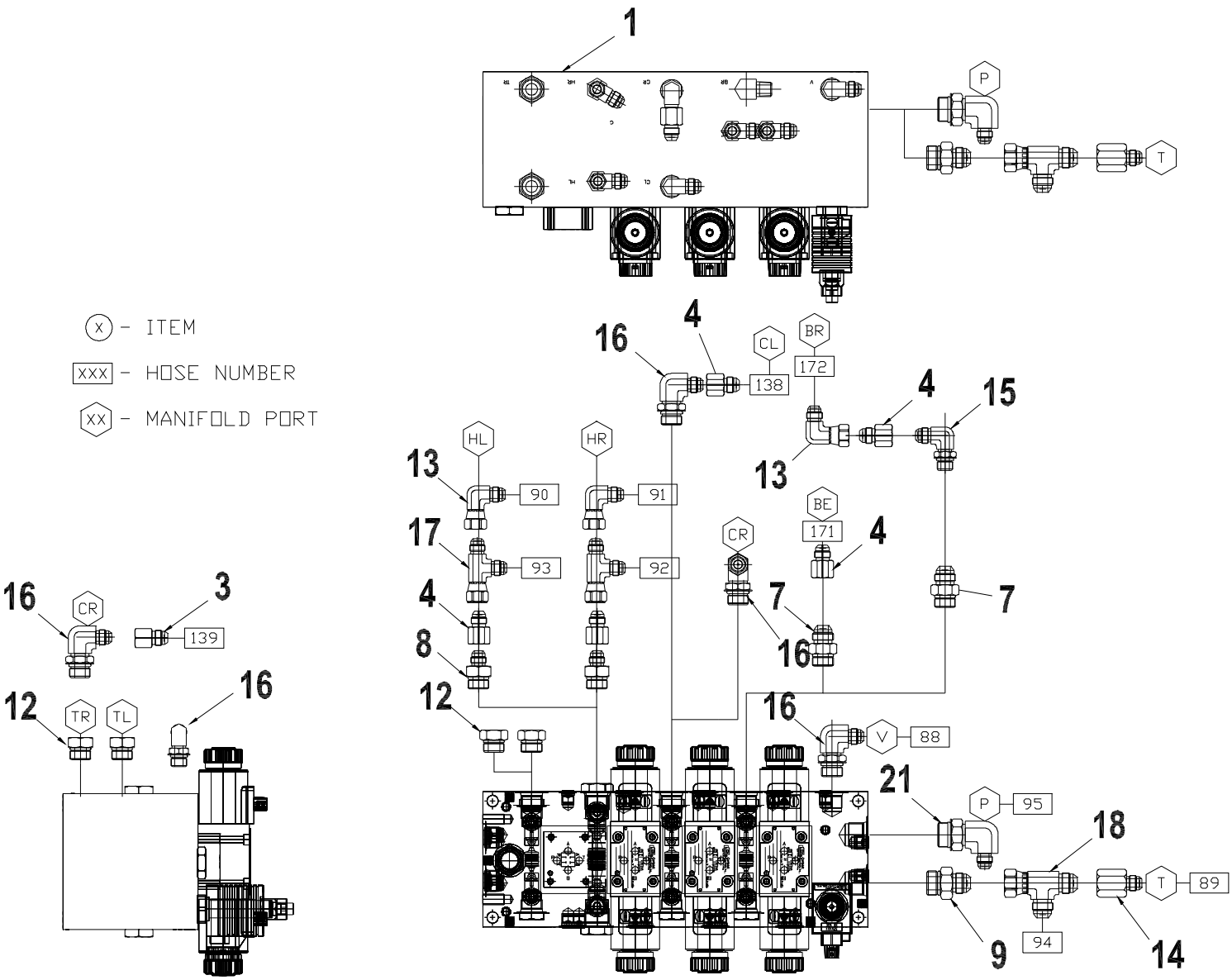
(214928-01)





C-1 DUMP HOPPER HYDRAULICS
(214928-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214888-02	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	99965	TUBE CLAMP 2" RUBBERIZED	4
6	89772	NUT, HEX 3/8 - 16 GD. 8	5
7	149429-03	C1 CLEANOUT DOOR	2
8	147993-03	RETAINER PLATE	2
9	83065	LOCK WASHER 1/4" SPRING STEEL	5
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	147412-04	HOSE CLAMP 1 9/16" X 3/8" BOLT	4
17	89773	BOLT, HEX 1/4 - 20 X 1"	5
18	84444	FLAT WASHER 1/4" STEEL	10
19	83130-04	PIN - COTTER 1/8" X 1 1/2"	2


(X) - ITEM
XXX - HOSE NUMBER
XX - MANIFOLD PORT
1
P
T
4
16
CL
BR
172
138
4
15
13
13
HL
HR
90
91
17
93
92
CR
BE
171
4
7
7
16
4
8
12
16
V
88
21
P
95
18
T
89
94
9
14
16
CR
3
139
12
TR
TL
16

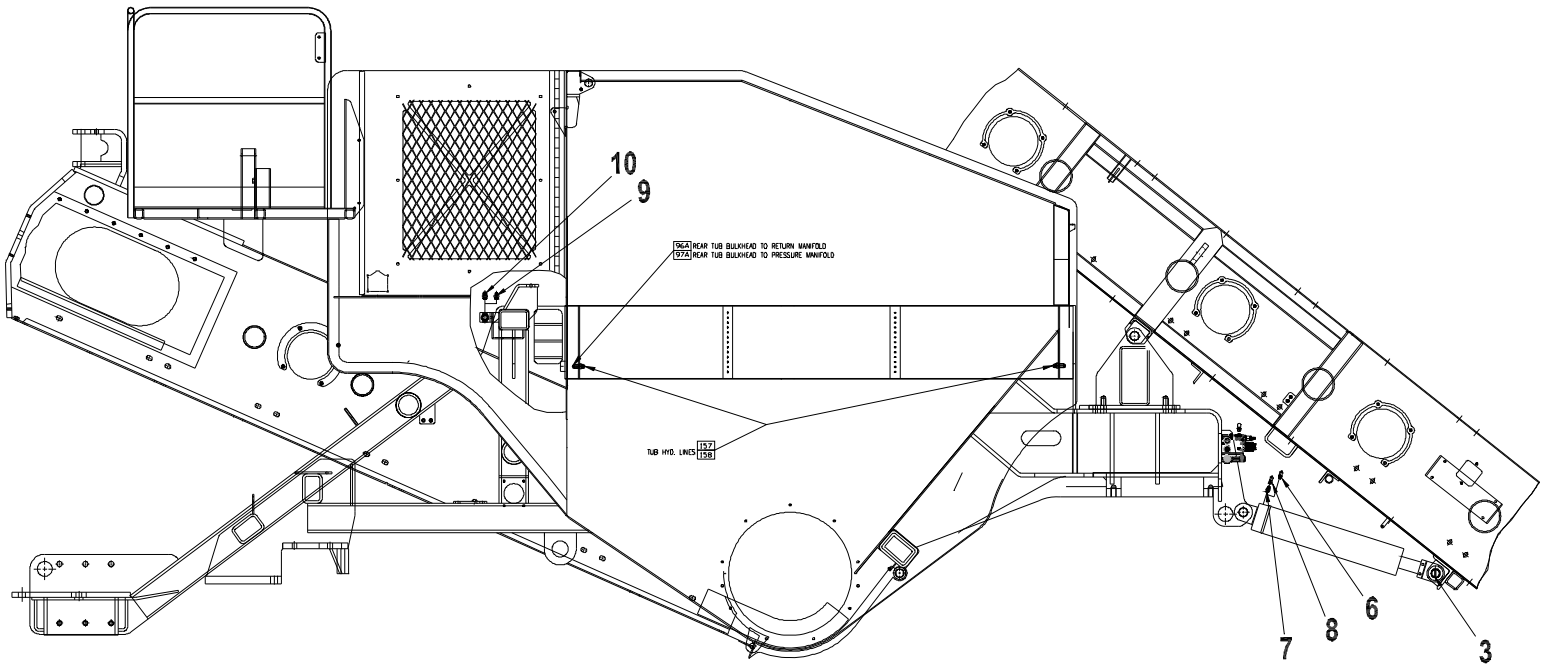
C-1 HOPPER CONTROL MANIFOLD
(210664-02)

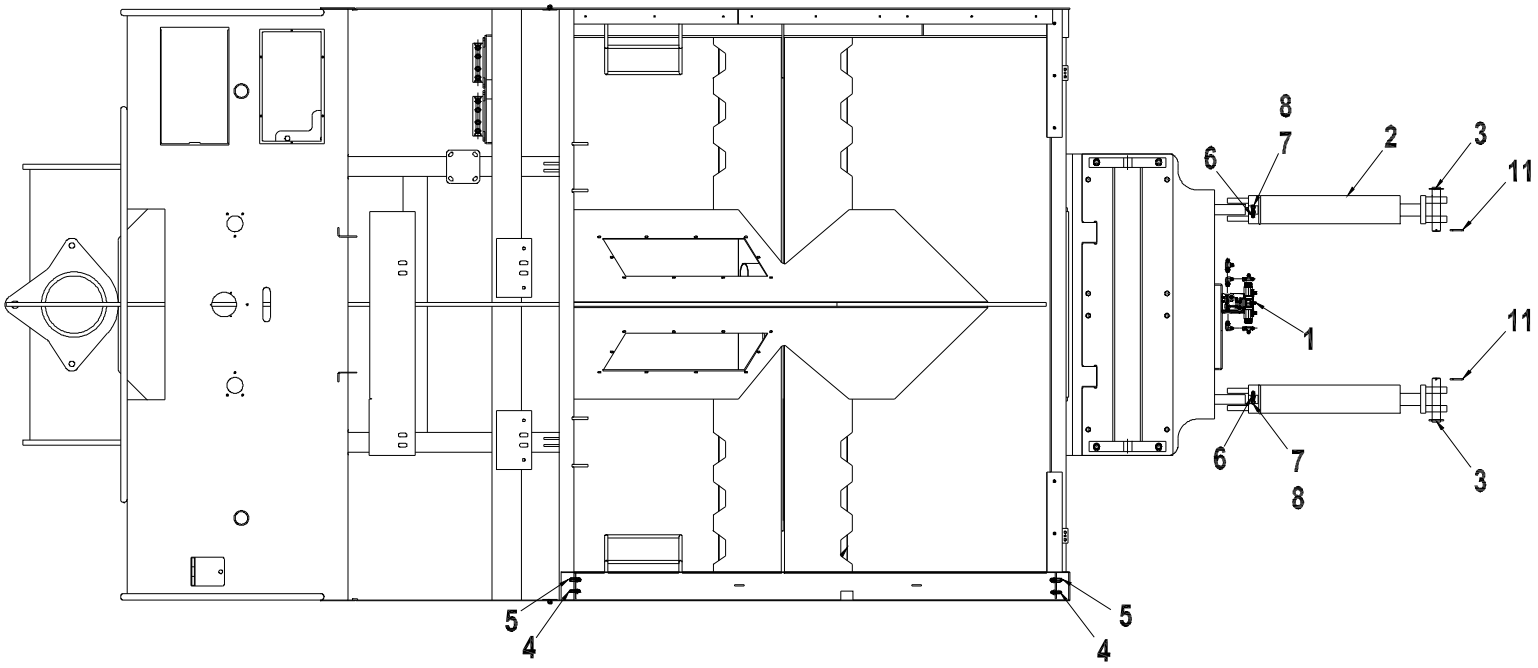
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146254-03	VALVE - C1 HOPPER CONTROL MANIFOLD	1
2	122168	FITTING - 8 SAE M - 8 JIC F SWIVEL	1
3	135409-04	FITTING - REST 6 JIC X 1/32 ORIFICE ST	1
4	135775-04	FITTING - RESTRICTOR 6 JIC X 1/16 ORIF	3
5			
6			
7	83459-04	CONNECTOR - 8 JIC X 8 SAE MALE	1
8	136995-04	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

C-1 RAISE / LOWER HYDRAULICS

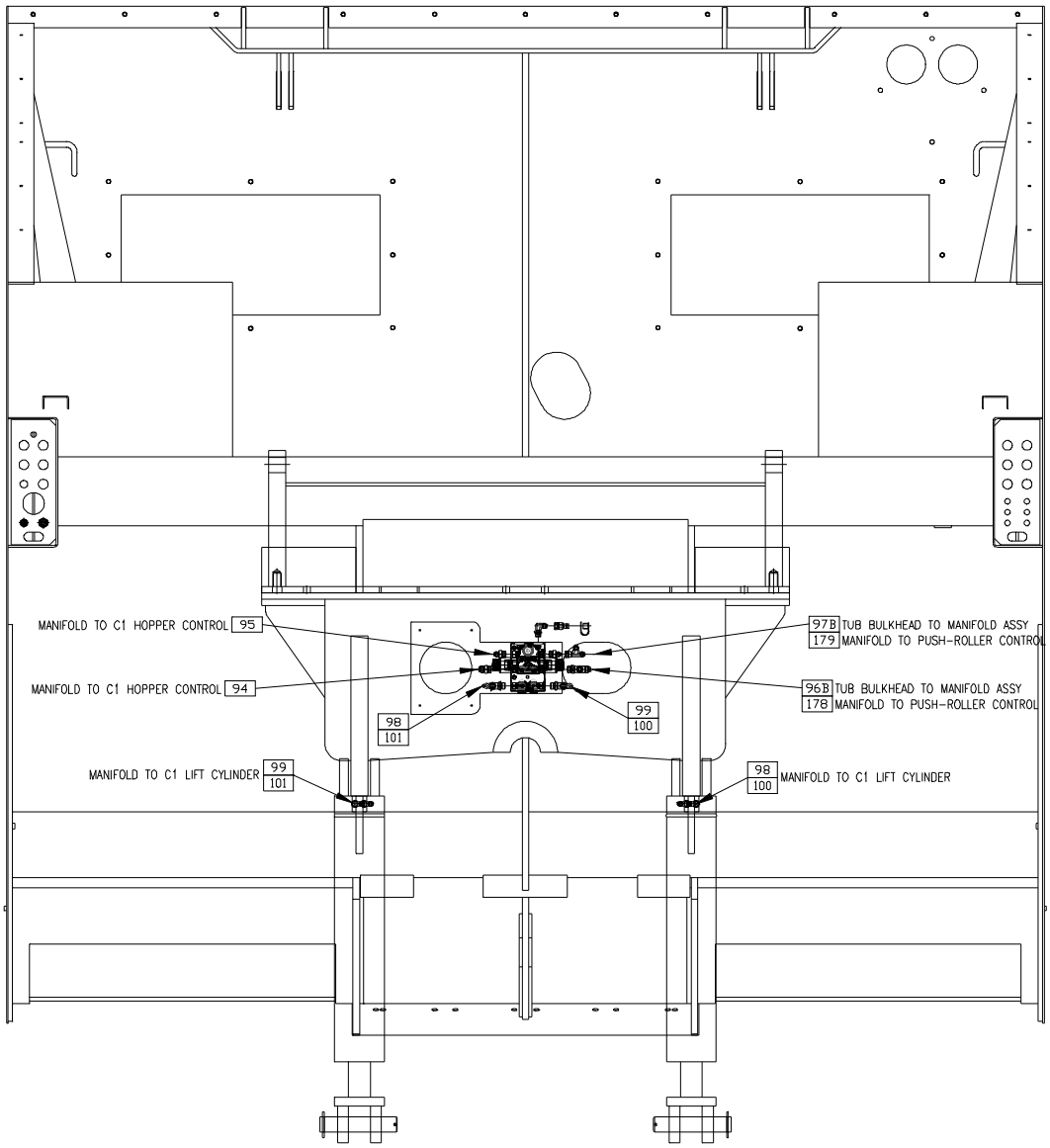
(214929-01)

NEXT PAGE





PREVIOUS PAGE

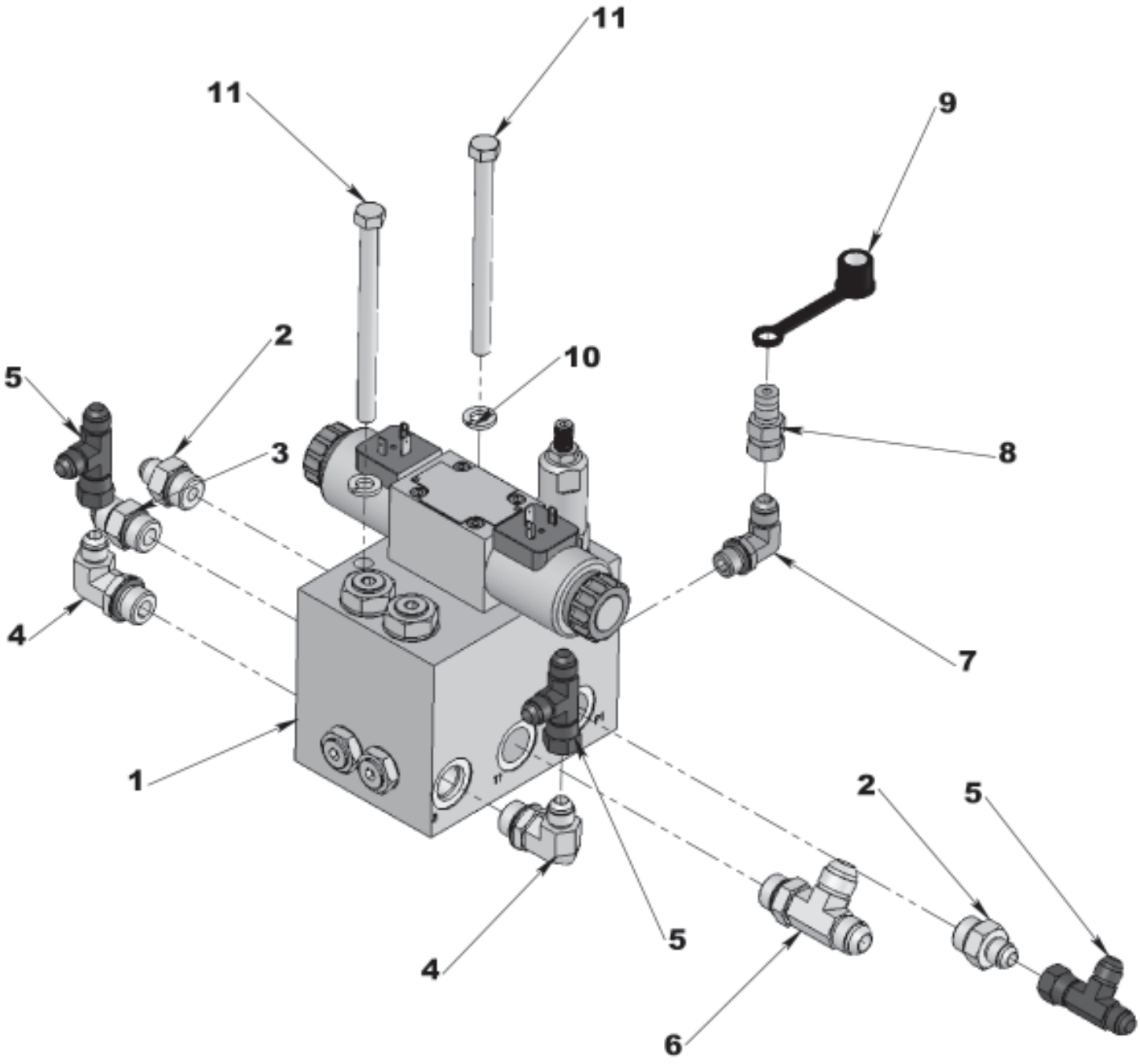


C-1 RAISE / LOWER HYDRAULICS
(214929-01)

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

C-1 RAISE / LOWER MANIFOLD

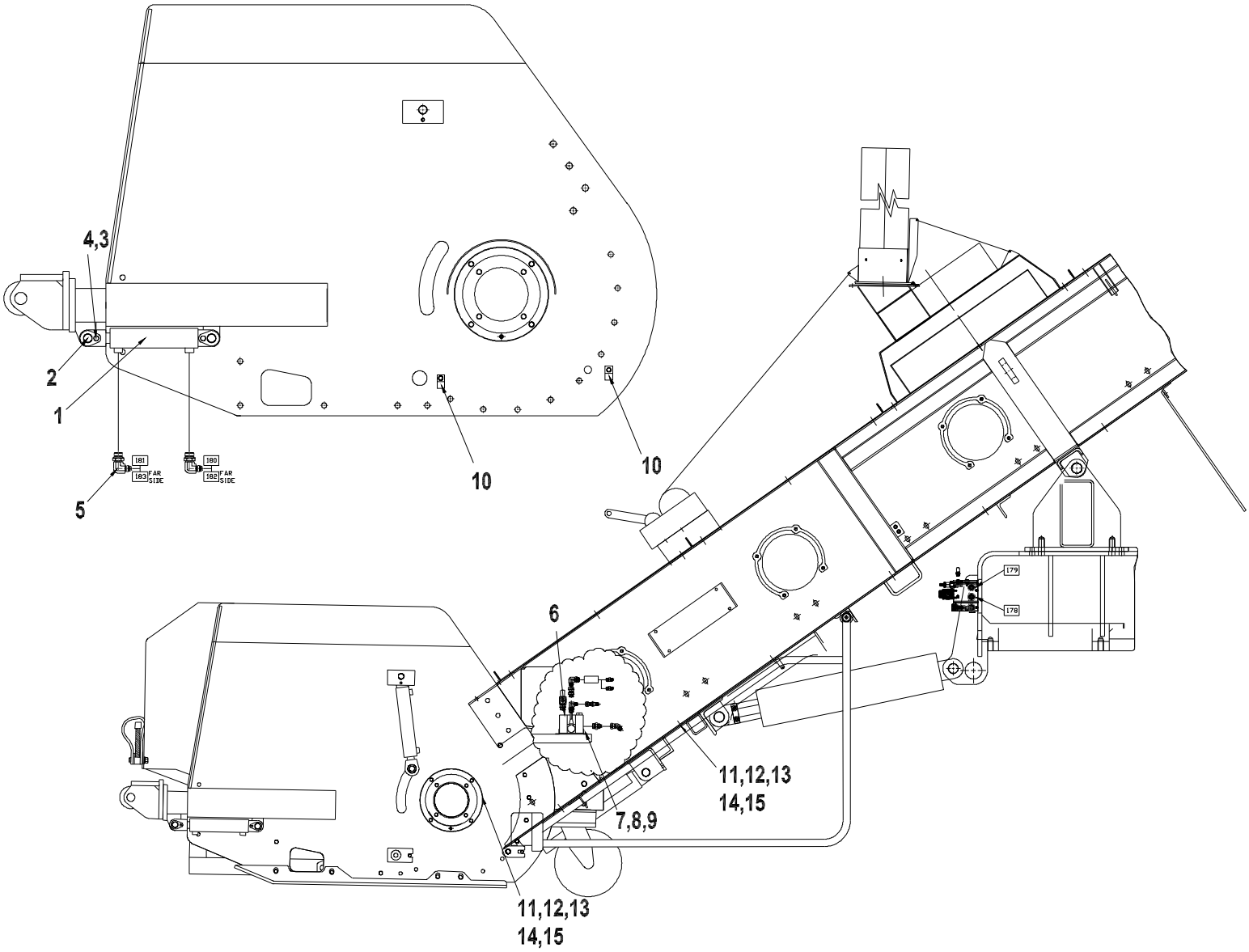
(214885-03)



C-1 RAISE / LOWER MANIFOLD
(214885-03)

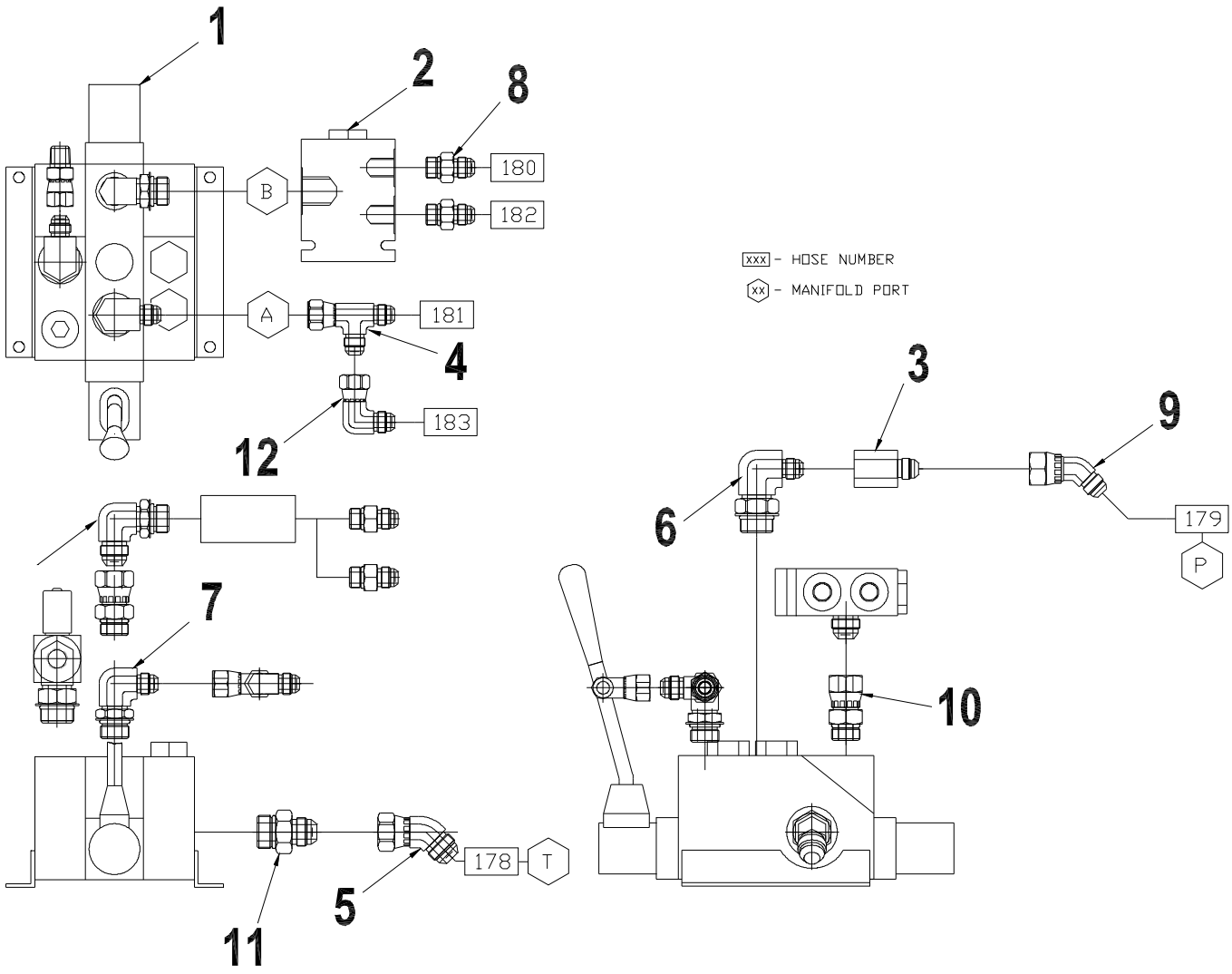
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211537-01	MANIFOLD * C1 RAISE/LOWER	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	2
3	83459-04	FIT ~ CONNECTOR 8 JIC x 8 SAE MALE	1
4	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	2
5	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	3
6	83766-04	FIT * RUN TEE 8 JIC - 8 SAE MALE	1
7	83734-04	FIT-ELBOW 90 DEG M W_NUT, WASHER, O-RING 6 JIC - 6 SAE	1
8	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	1
9	85949-04	FIT * TEST PORT QD CAP 3/8	1
10	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
11	20N62	BOLT * HEX 3/8"-16 X 5"	2

PUSH ROLLER HYDRAULICS
(209080-01)



PUSH ROLLER HYDRAULICS
(209080-01)

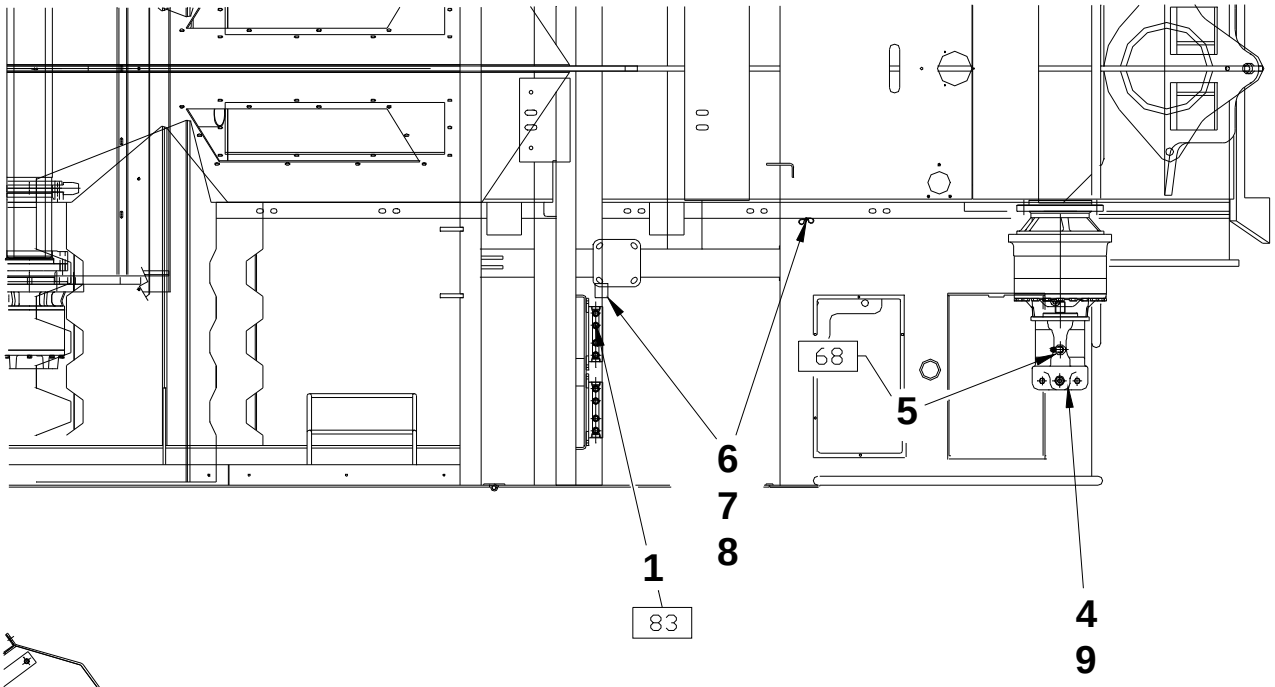
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2	148083-03	PIN - PUSH ROLLER CYLINDER	4
3	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	4
4	83056	LOCKWASHER 3/8" SPRING STEEL	4
5	84426-04	FITTING - 8 SAE X 6 JIC 90 M. ELBOW	4
6	209079-02	PUSH ROLLER MANIFOLD SUB-ASSY.	1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

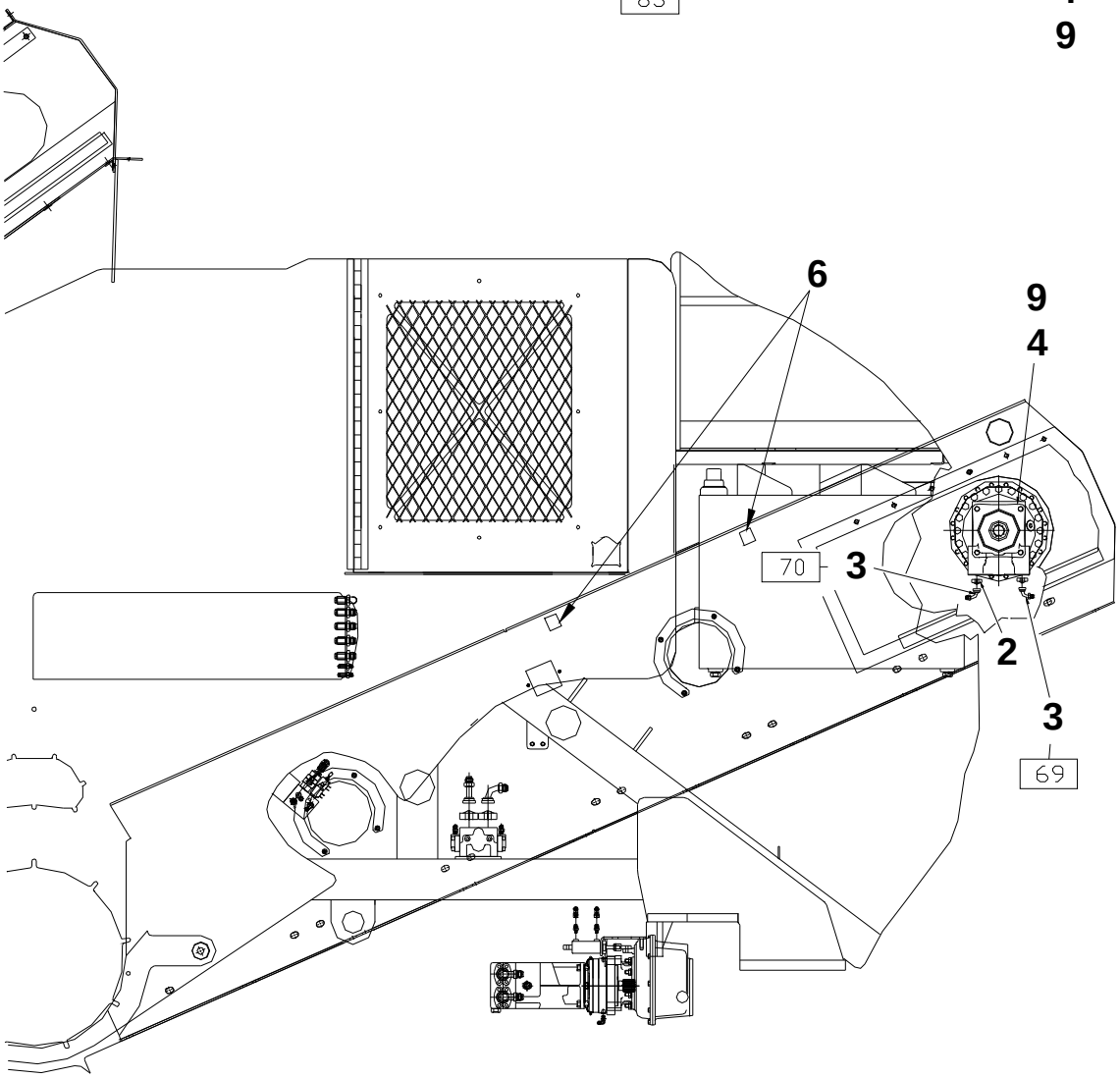

1
2
8
180
182
B
A
181
4
12
183
xxx - HOSE NUMBER
xx - MANIFOLD PORT
3
9
6
179
P
7
10
178
T
5
11

PUSH ROLLER MANIFOLD
(209079-02)

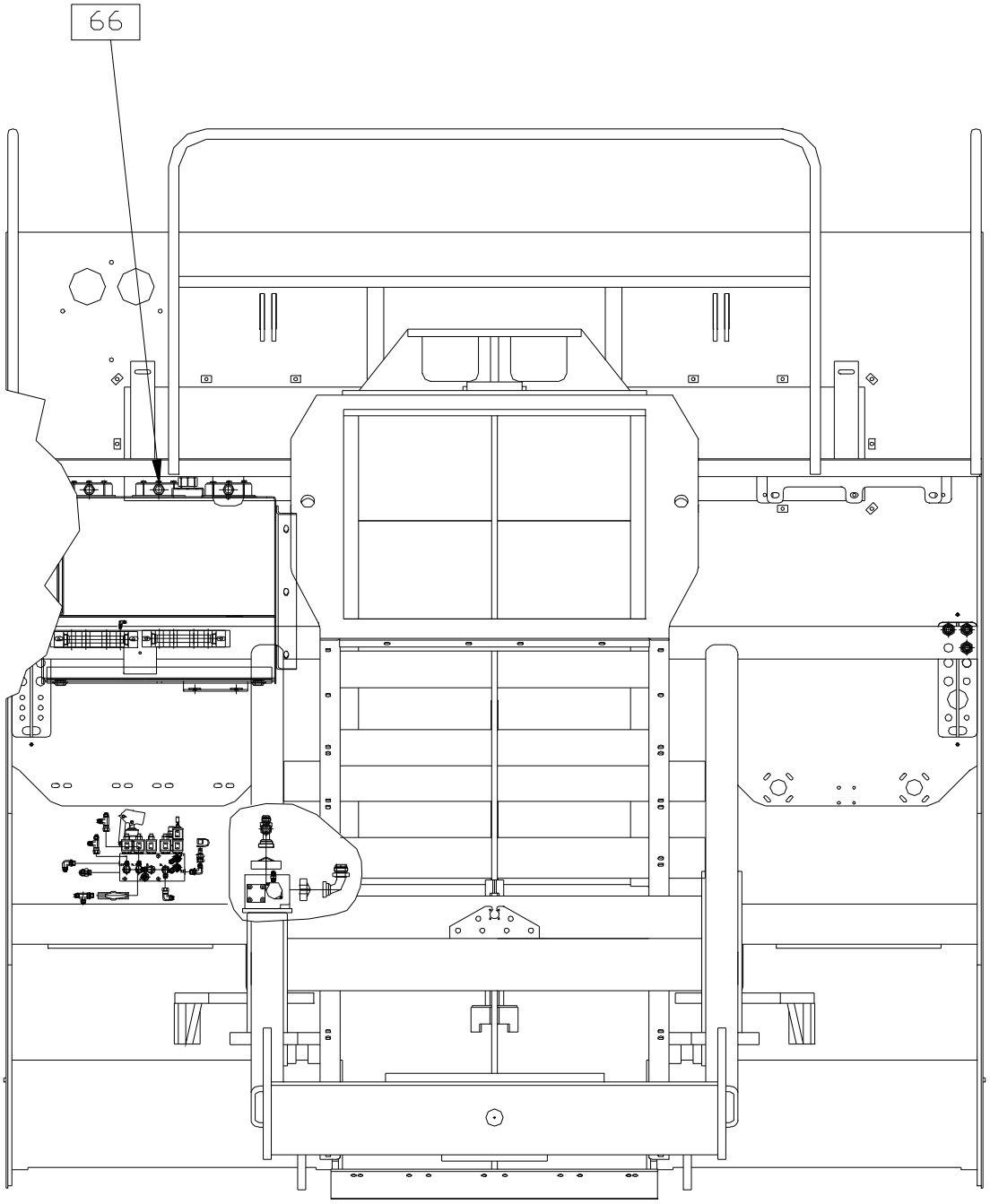
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	137458-04	V10 MANUAL DIR. CONTROL VALVE	1
2	200791-03	FLOW DIVIDER 50/50 SPLIT, 12 GPM VALVE	1
3	135775-04	ORIFACE 6 JIC M. X 6 JIC F.	1
4	84636-04	6 JIC SWIVEL RUN TEE	1
5	85218-04	ELBOW 8 JIC MALE X 8 FEM. 45 SWIVEL	1
6	92987	ELBOW 10 SAE X 6 JIC 90	1
7	84426-04	ELBOW 8 JIC MALE X 8 SAE X 6 JIC 90	1
8	83735-04	6 SAE X 6 JIC STRAIGHT	2
9	90768-04	ELBOW 6 JIC M. X 6 JIC F. 45 SW	1
10	122168	CONNECTOR 8 SAE X 8 JIC SW. ST.	1
11	83704-04	CONNECTOR 8 JIC X 10 SAE ST	1
12	83953-04	6 JIC SW. 90	1
13	83461-04	8 JIC M. X 6 SAE M. 90	1

NEXT PAGE





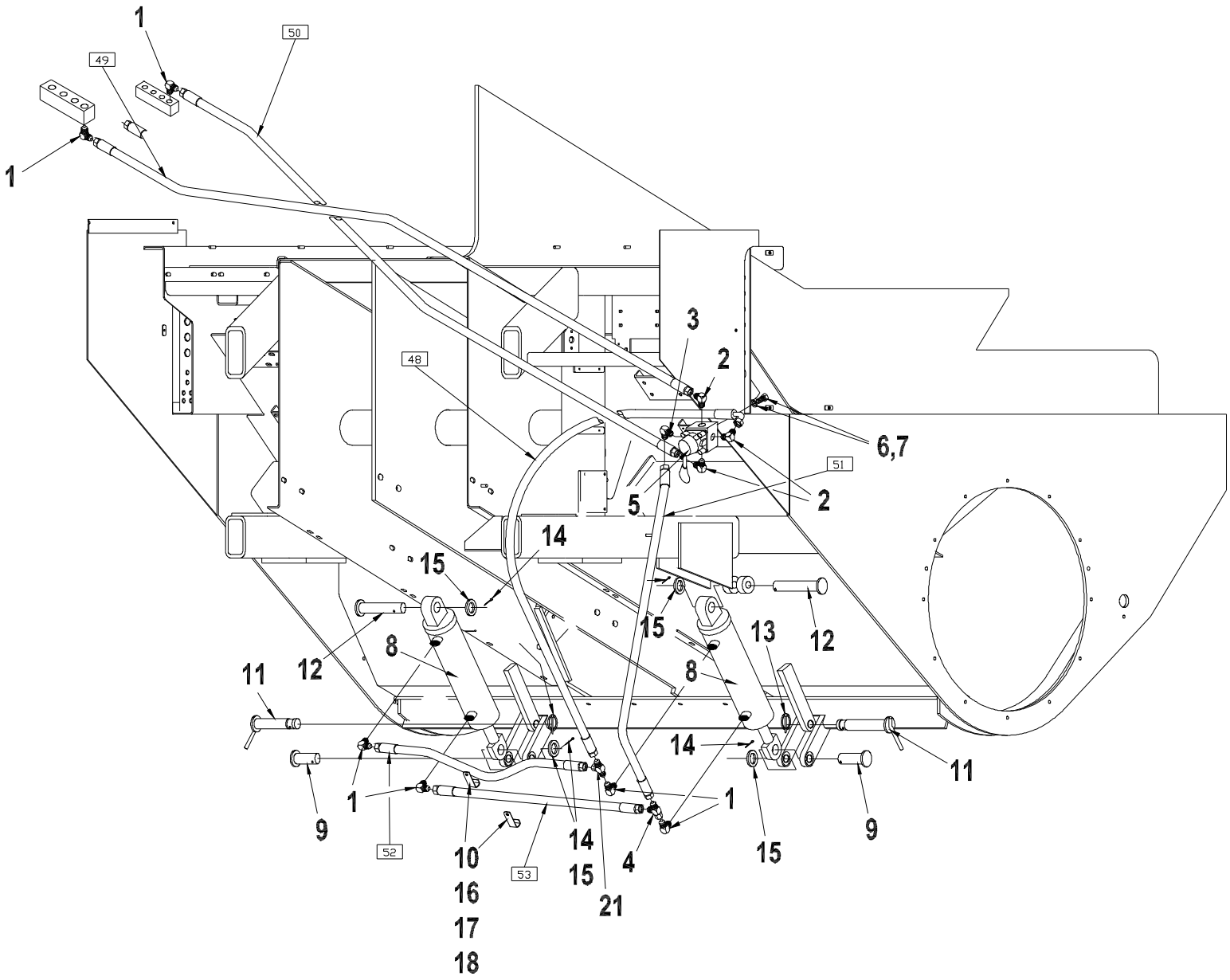
PREVIOUS PAGE



C-2 DRIVE HYDRAULICS
(149543-01)

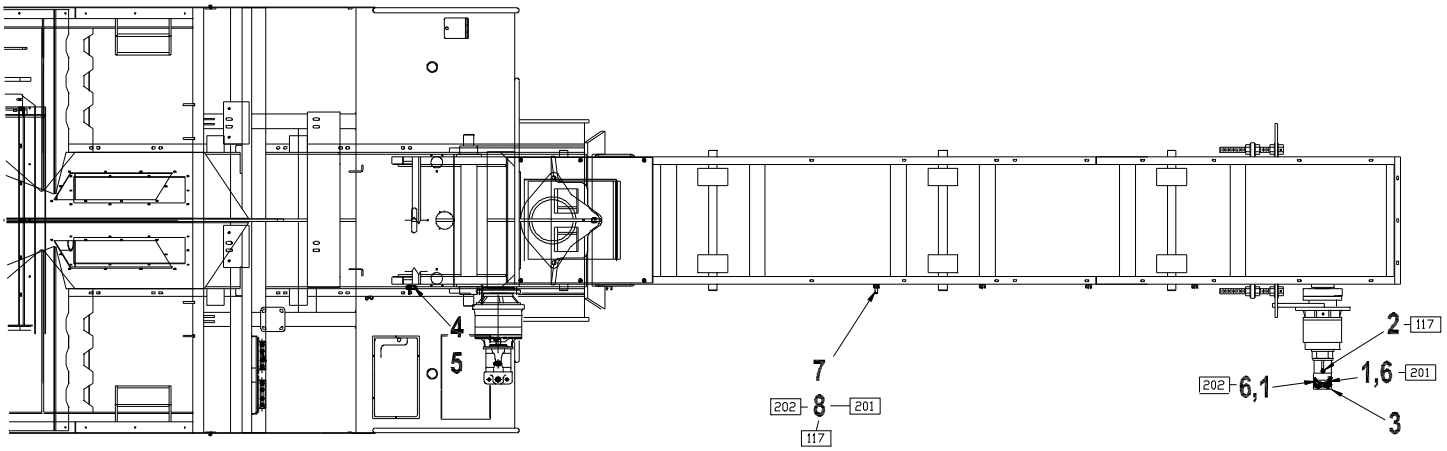
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1			
2	96765	20 FLANGE KIT - CODE 62	2
3	99945	20 FLANGE 45 DEG. X 20 JIC CODE 62	2
4	149224-04	MOTOR - 130CC ORIFICE LOOP FLUSH	1
5	85875-04	ELBOW 90 DEG. - 16 SAE MALE X 12 JIC MALE	1
6	99965	CLAMP - 2" RUBBERIZED TUBE	5
7	83055	HEX NUT - 3/8-16 UNC GR8	1
8	85148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

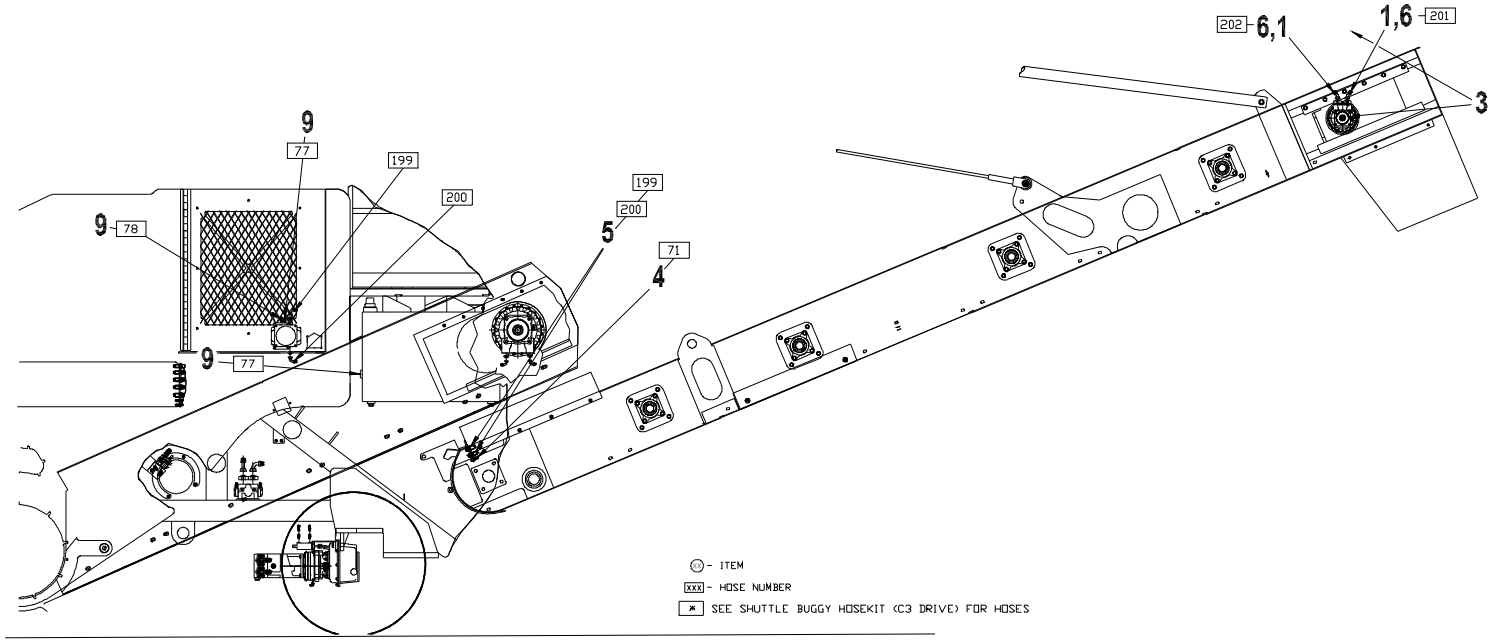
C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

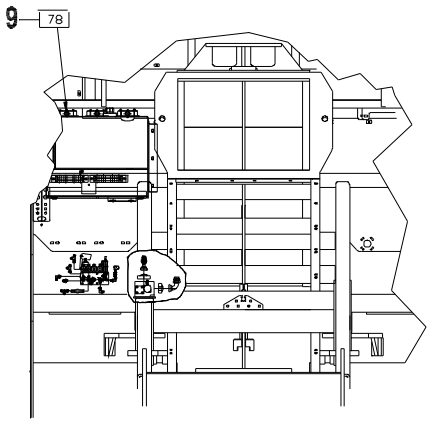


C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

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


4
5
7
202
8
201
117
2
117
202
6,1
1,6
201
3

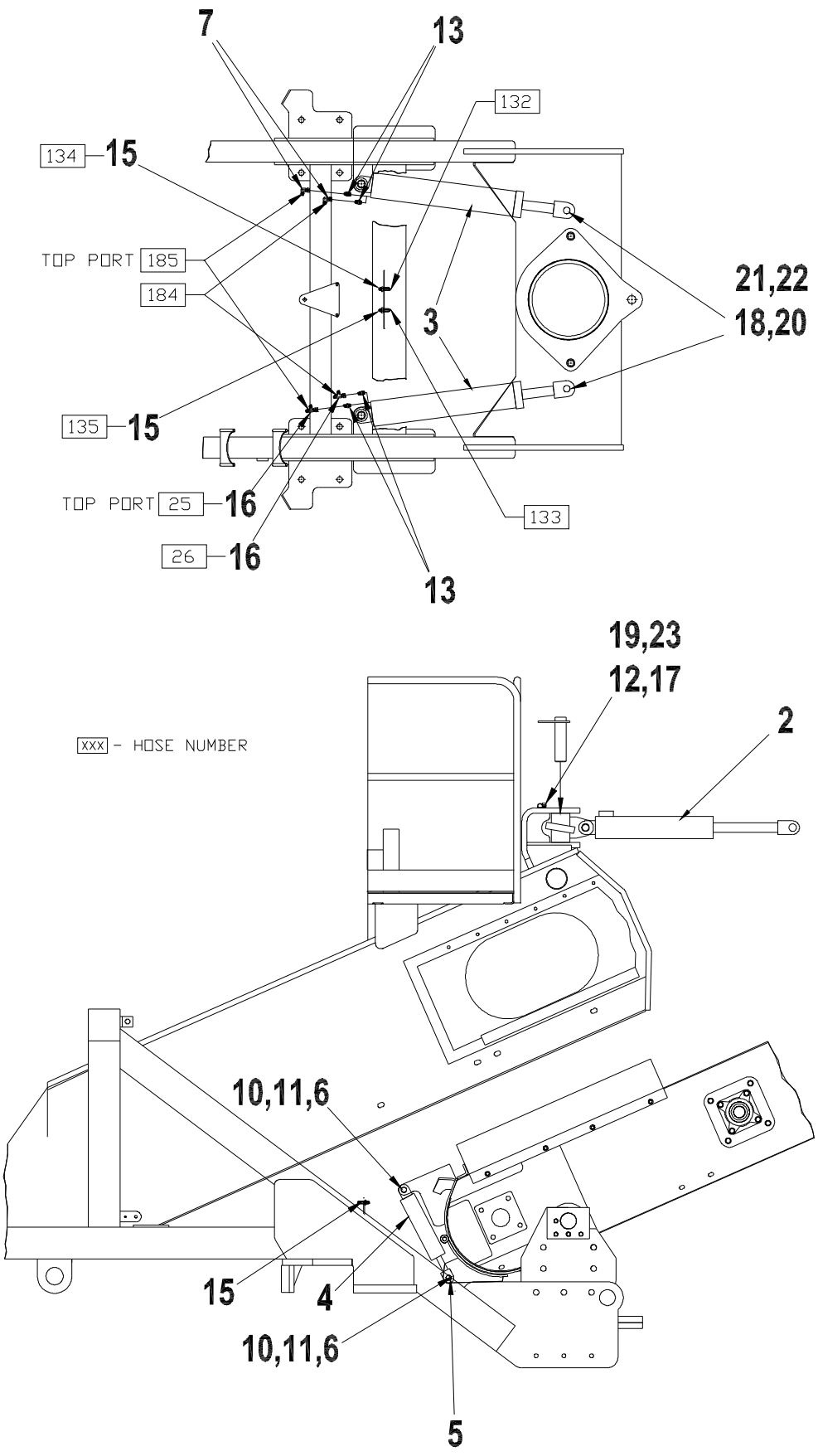

202
6,1
1,6
201
3
9
77
199
200
9
78
199
200
5
71
4
9
77
(X) - ITEM
XXX - HOSE NUMBER
* SEE SHUTTLE BUGGY HOSEKIT (C3 DRIVE) FOR HOSES


9
78

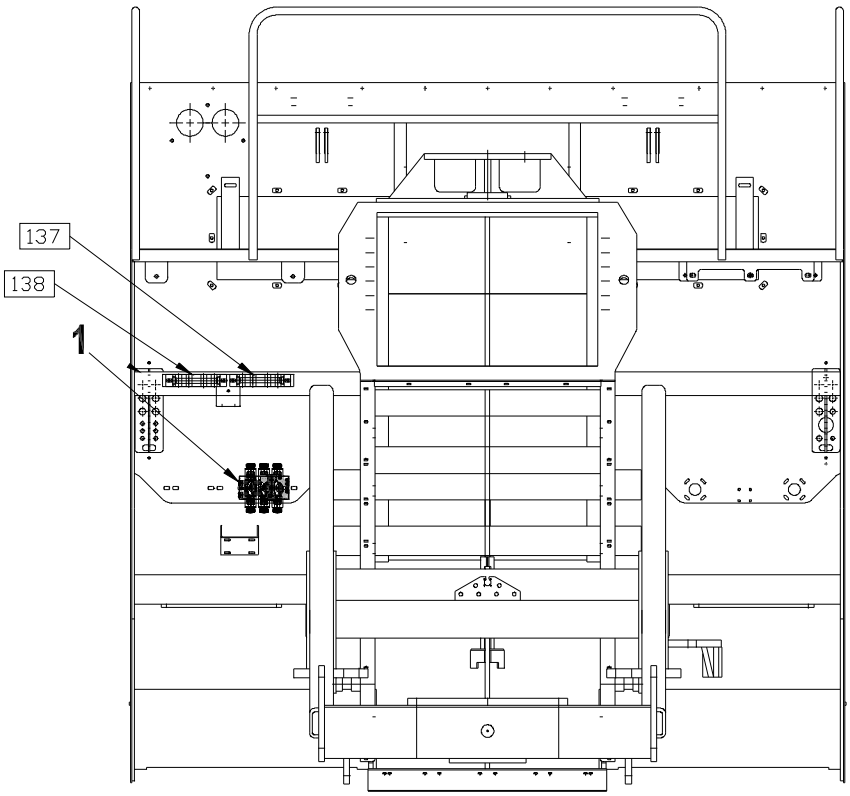
C-3 DRIVE HYDRAULICS
(145972-01)

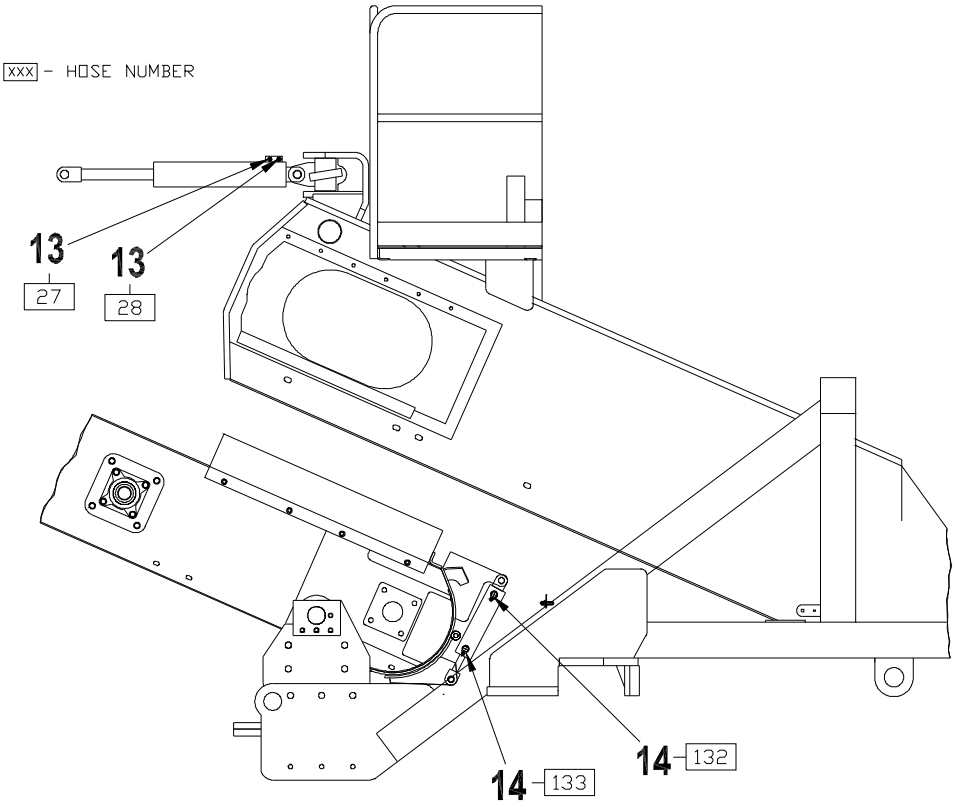
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	121517	# 16 FLANGE 45 X 16 JIC CODE 62	2
2	120439	10 SAE X 12 JIC 45 ELBOW	1
3	91681-04	MOTOR - DRIVE (SAUER-SUNSTRAND)	1
4	83476-04	BULKHEAD UNION 12 JIC	1
5	89604	BULKHEAD UNION 16 JIC	2
6	90729	# 16 FLANGE KIT CODE 62	2
7	145538	CLAMP - 1/2" HOSE	14
8	149015	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

NEXT PAGE


7
13
132
134
15
TOP PORT
185
184
21,22
18,20
3
135
15
TOP PORT
25
16
26
16
133
13
19,23
12,17
2
xxx - HOSE NUMBER
10,11,6
15
4
10,11,6
5

PREVIOUS PAGE



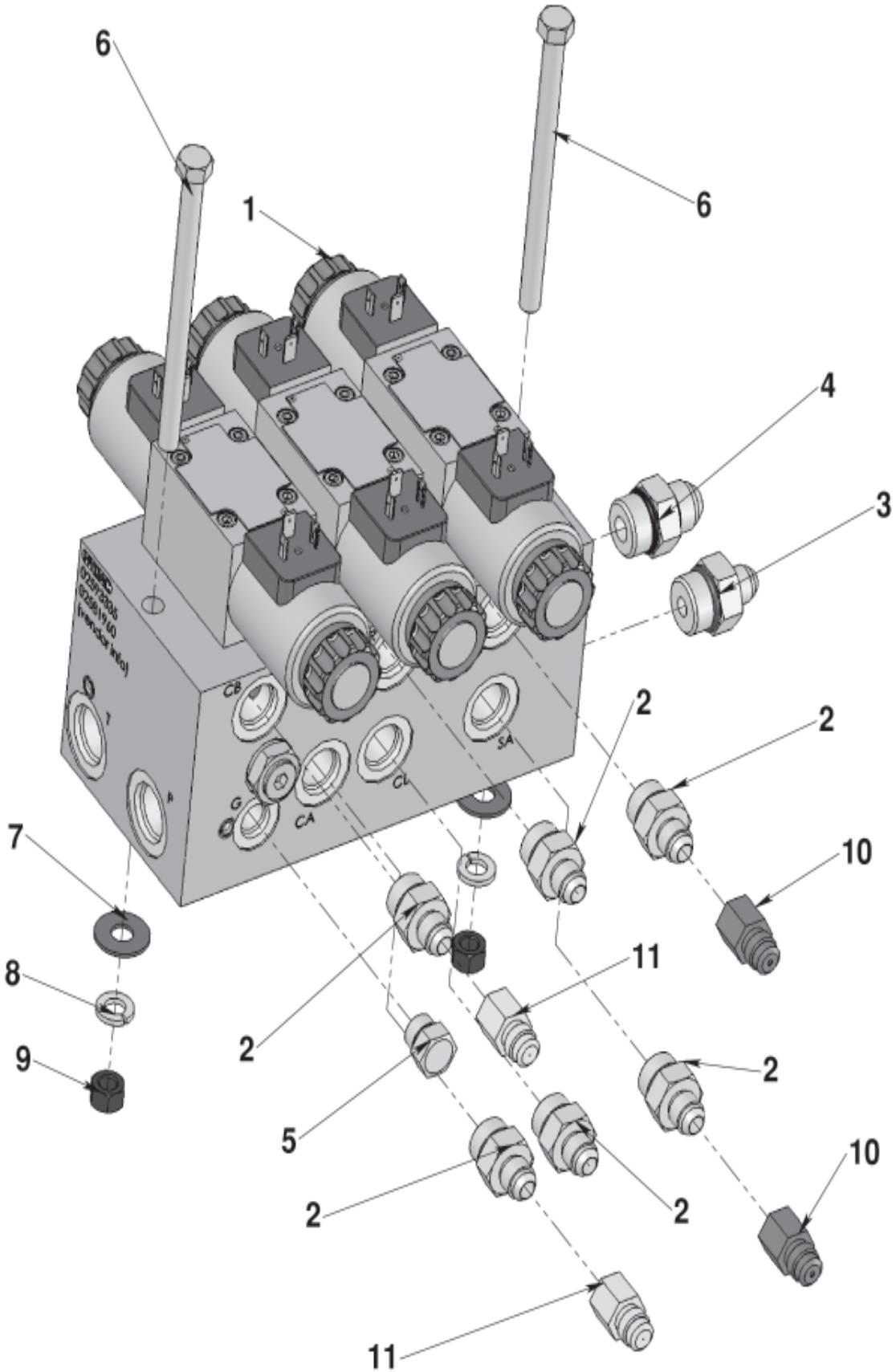


C-3 CONTROL HYDRAULICS
(214925-01)

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

C-3 CONTROL MANIFOLD ASSEMBLY

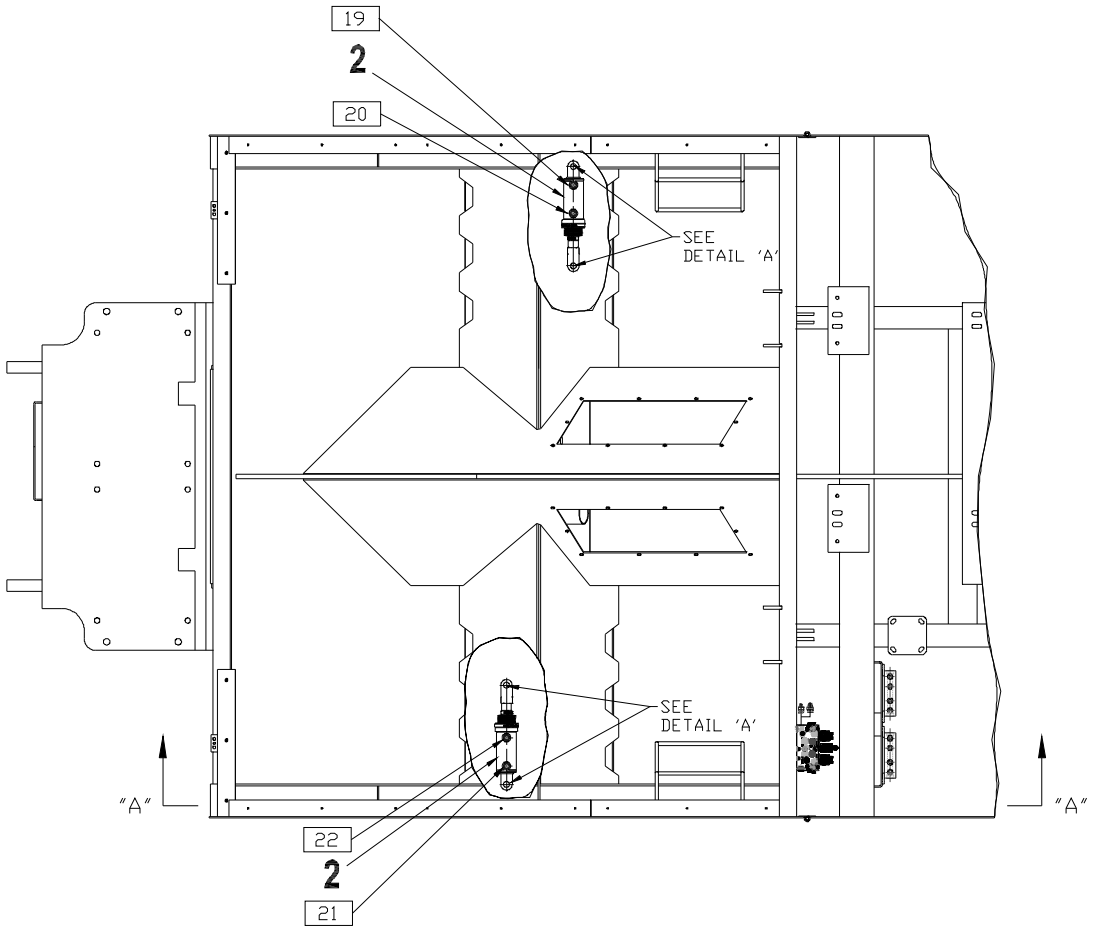
(214886-02)

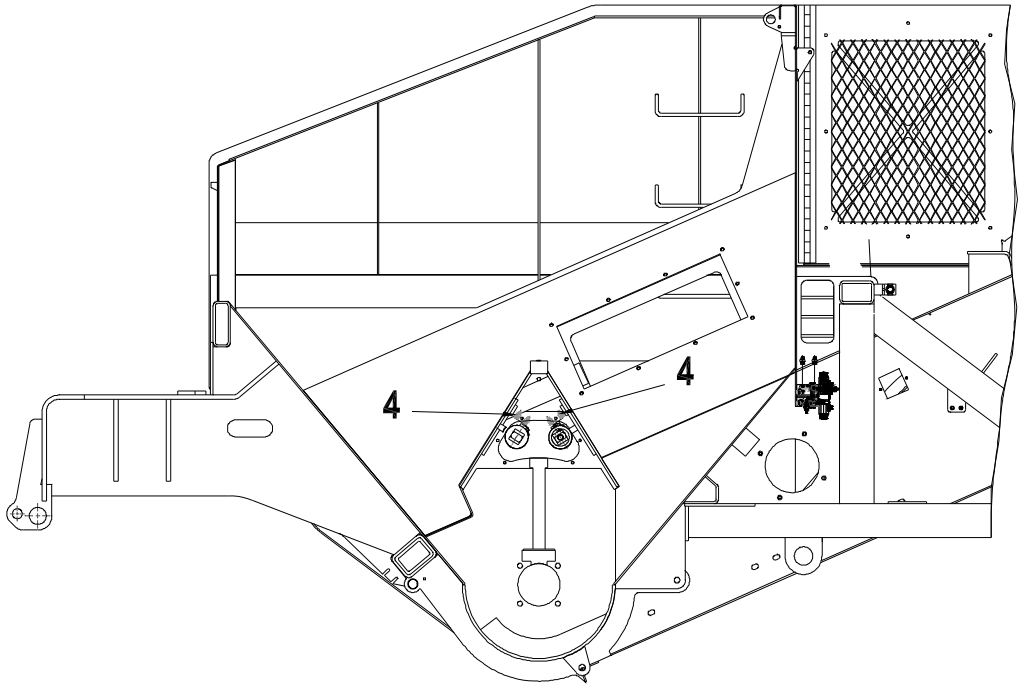


C-3 CONTROL MANIFOLD ASSEMBLY
(214886-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211540-01	MANIFOLD * C3 FUNCTIONS	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	6
3	133995-04	FIT * 6 JIC X 10 SAE STR.	1
4	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	1
5	84635-04	FIT * PLUG 6 SAE	1
6	20N62	BOLT * HEX 3/8"-16 X 5"	2
7	83757	WASHER ~ FLAT 3/8 STEEL	2
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
9	83055	NUT * 3/8-16 HEX GRADE 8	2
10	136649-04	FIT ~ RESTRICTOR 3/32 ORIFICE	2
11	135942-04	FIT ~ RESTRICTOR 1/64 ORIFICE	2

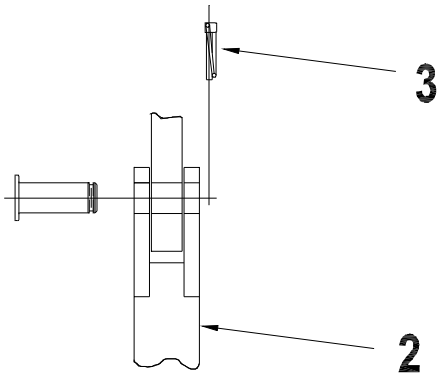
NEXT PAGE



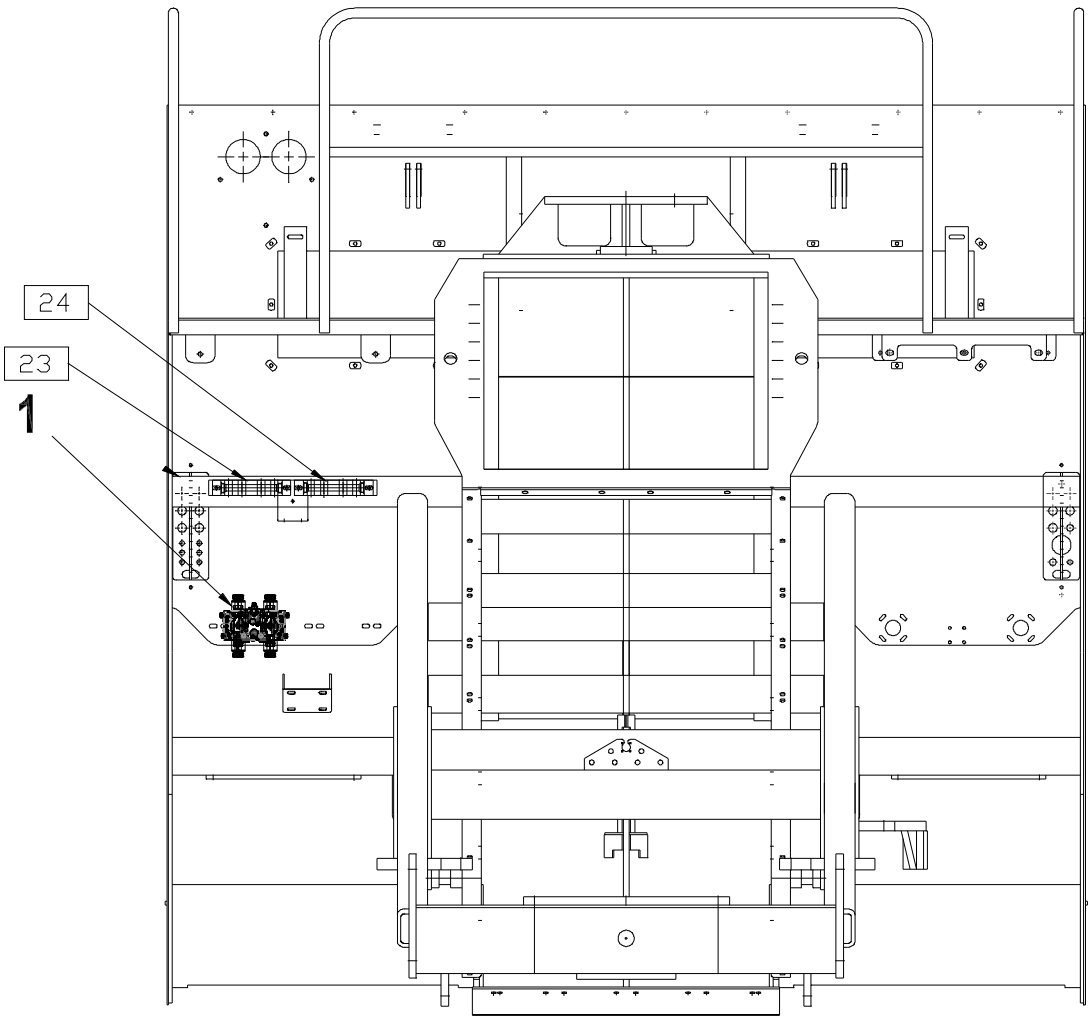


'SECTION A'

PREVIOUS PAGE



DETAIL 'A'
(4x SCALE)

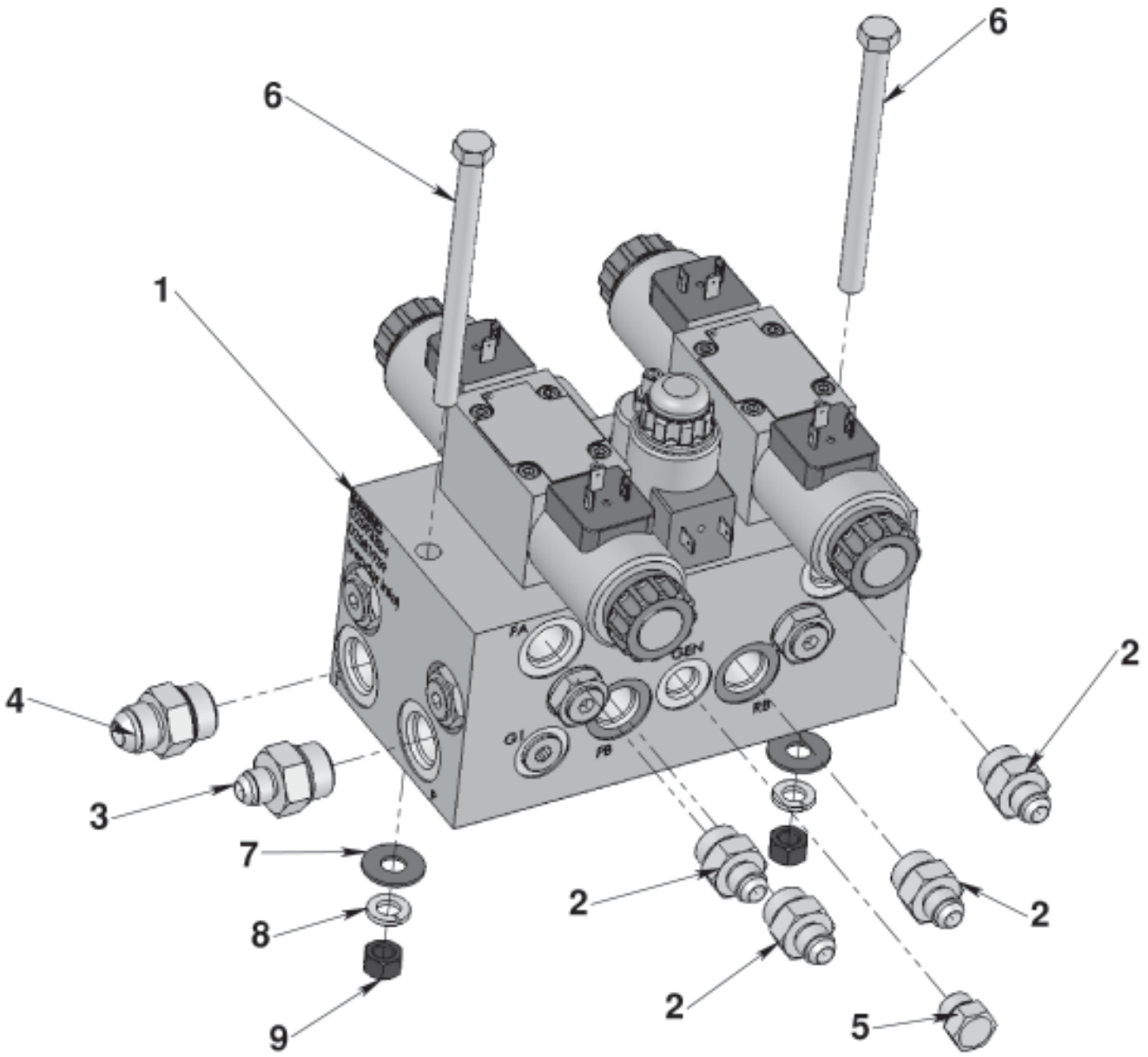


FLOWGATE HYDRAULICS
(214927-01)

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

FLOWGATE CONTROL MANIFOLD ASSEMBLY

(214889-02)

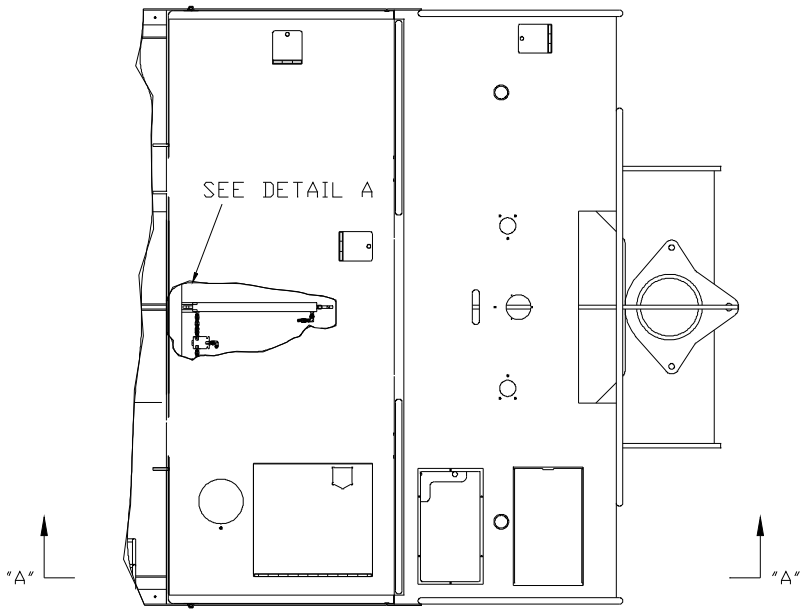


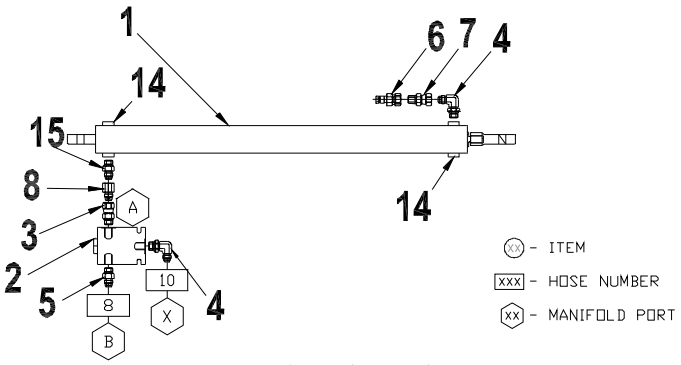
FLOWGATE CONTROL MANIFOLD ASSEMBLY
(214889-02)

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

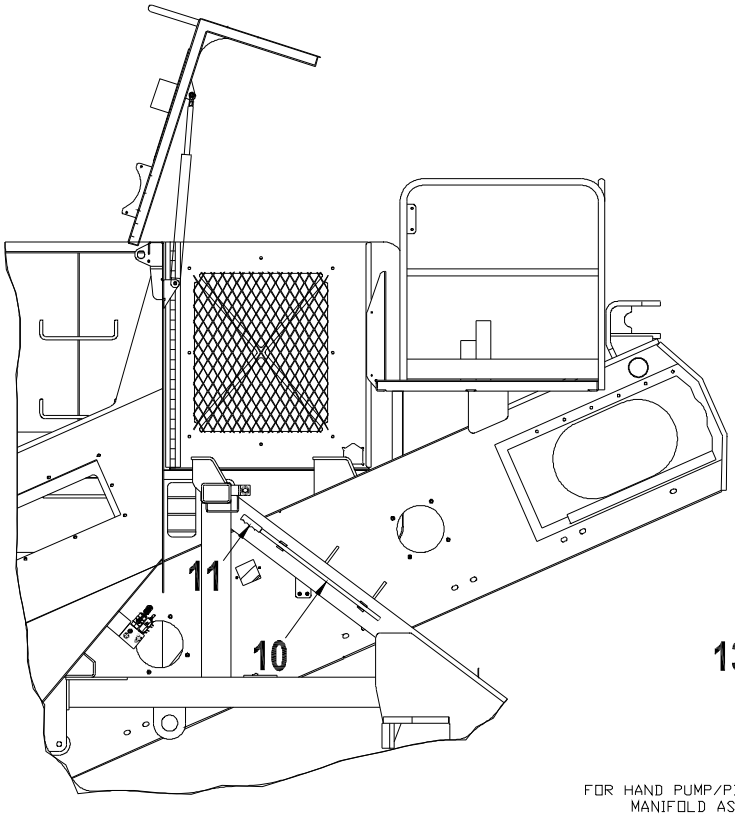
HOOD RAISE HYDRAULICS

(204266-01)

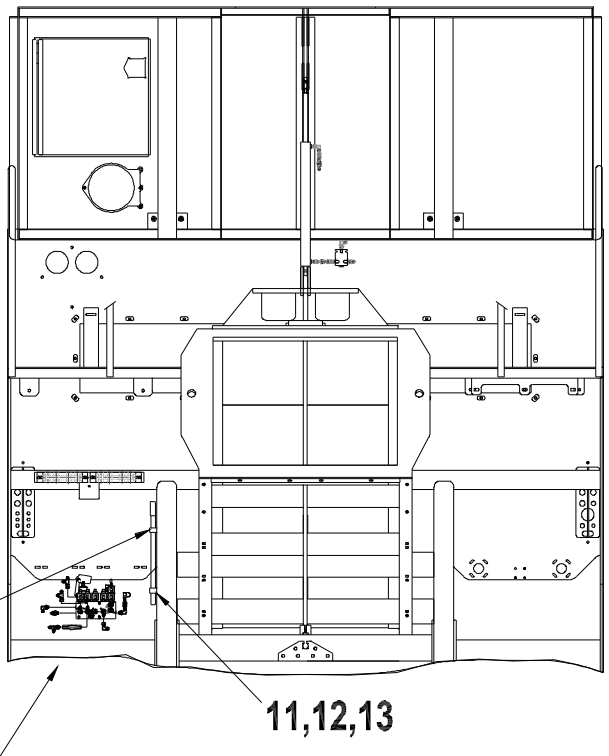




DETAIL 'A' (SCALE 3X)



SECTION 'A'



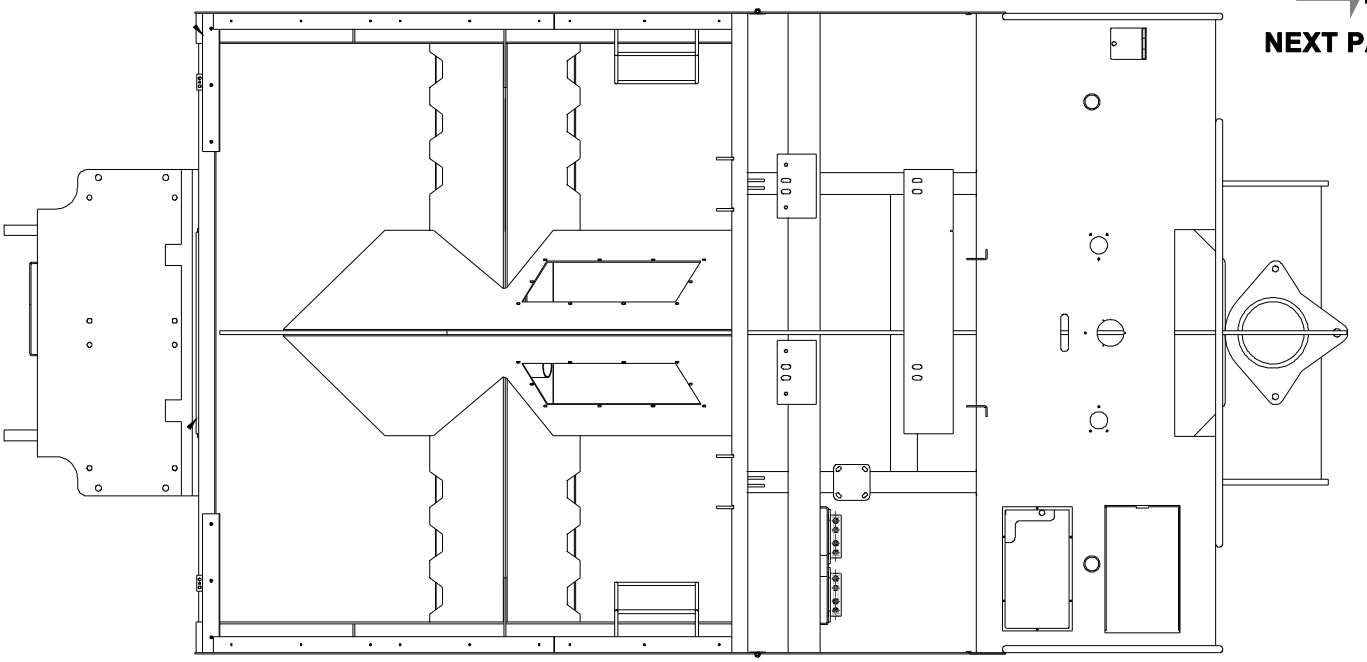
FOR HAND PUMP/PILOT VALVE MANIFOLD ASSEMBLY SEE PROPEL HYDRAULIC ASSY.

HOOD RAISE HYDRAULICS
(204266-01)

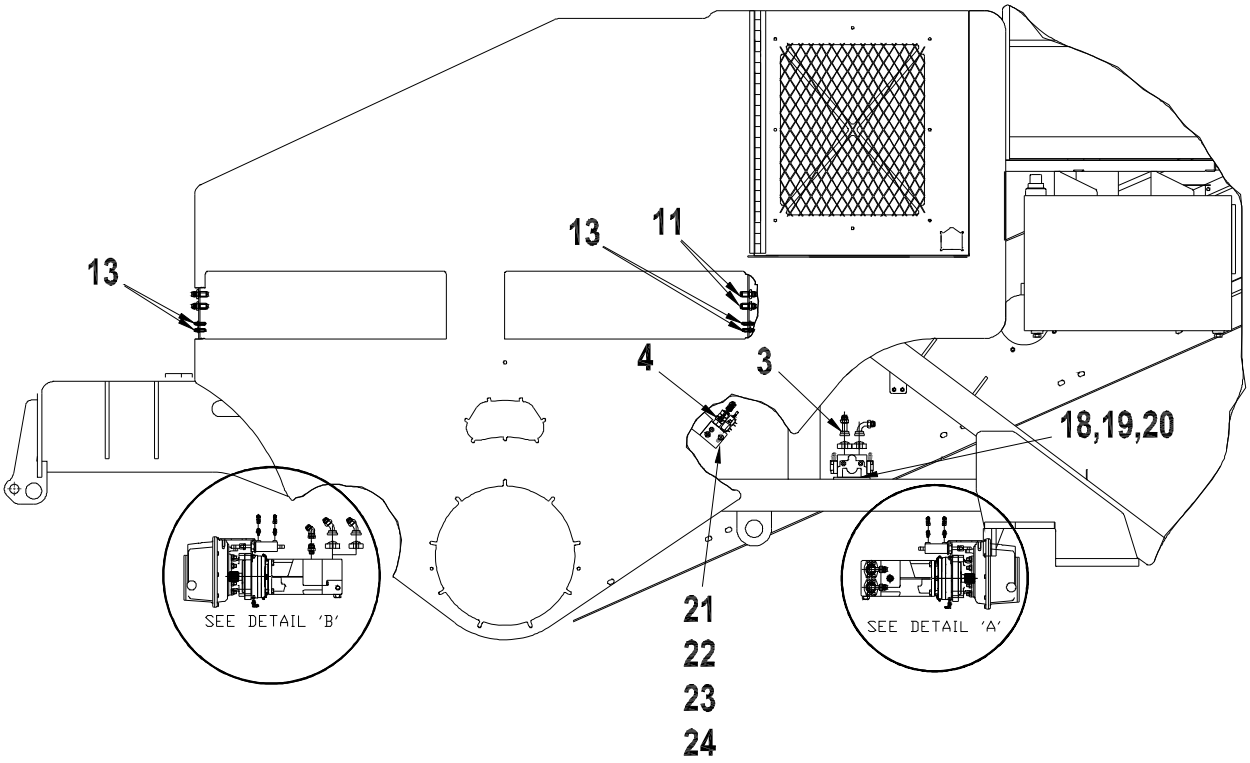
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	201812-01	CYLINDER - 2" BORE X 16" STROKE	1
2	200591	HOLDING VALVE - P.O. CHECK	1
3	135923-04	FIT - 6 JIC X 6 SAE SWIVEL ST CONNECTOR	1
4	83734-04	FIT - 6 JIC X 6 SAE MALE 90 DEG. CONNECTOR	2
5	83735-04	FIT - 6 JIC X 6 SAE ST	1
6	89577-04	FIT - VENT CAP 1/4 NPT	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

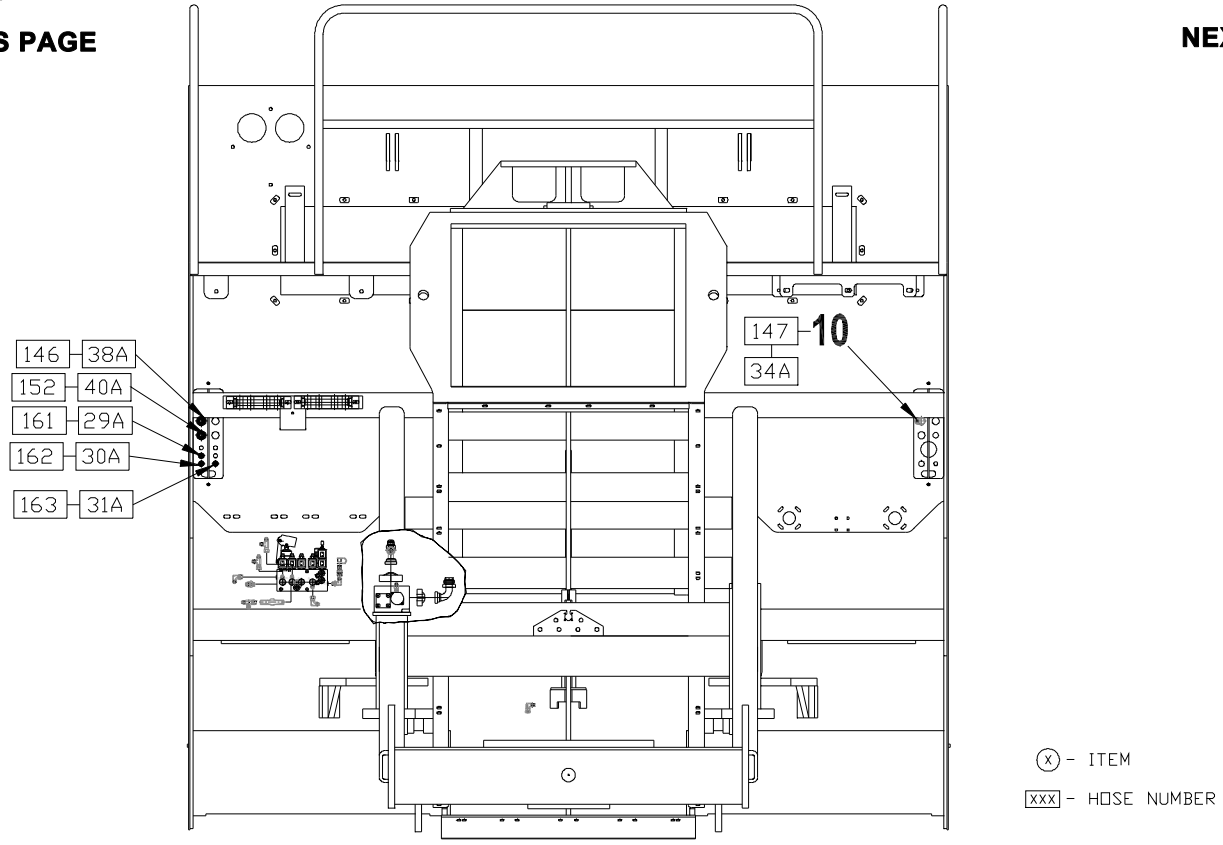
PROPEL DRIVE HYDRAULICS
(200772-01)

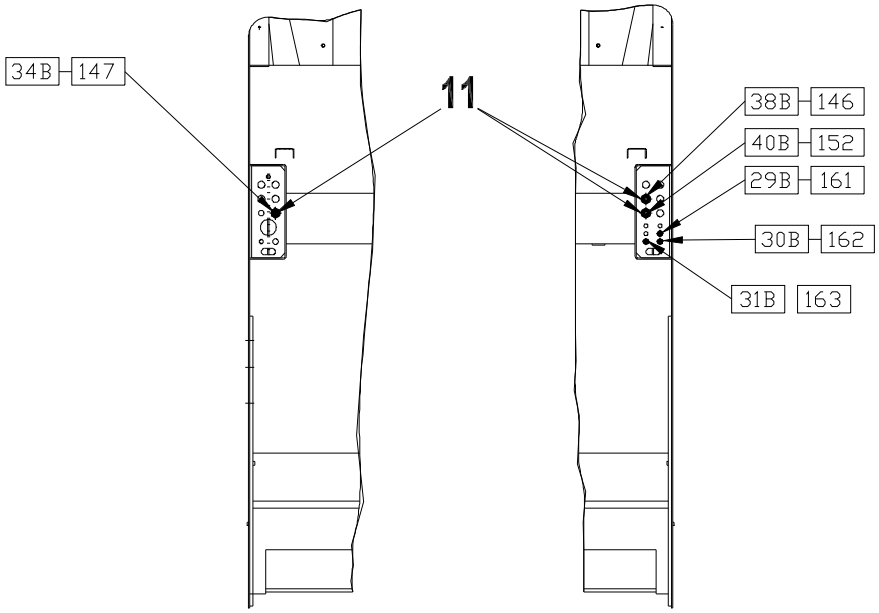
NEXT PAGE



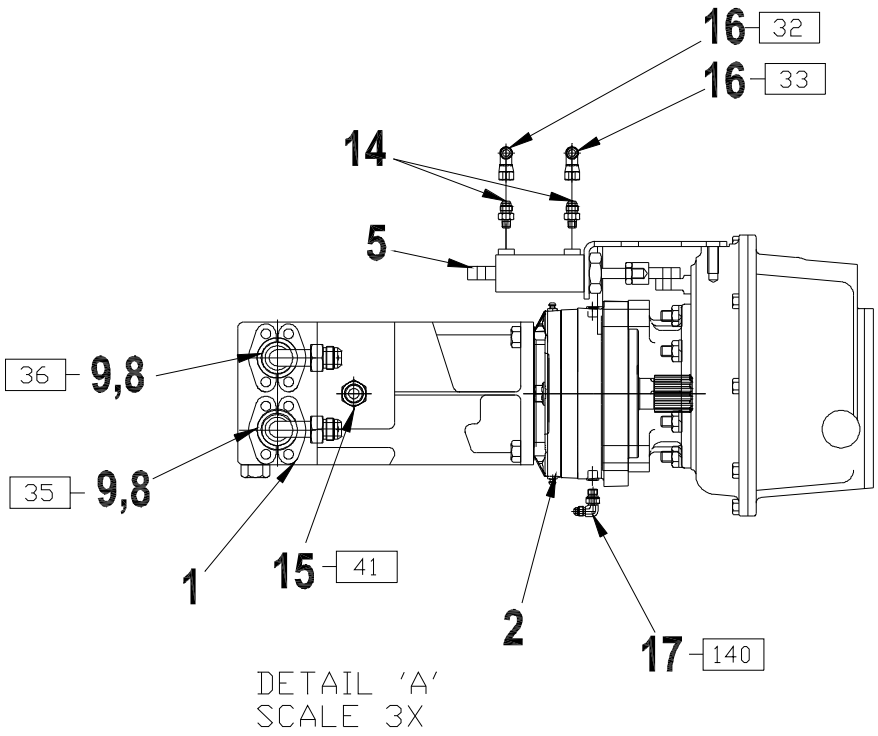
(XX) - ITEM
[XXX] - HOSE NUMBER



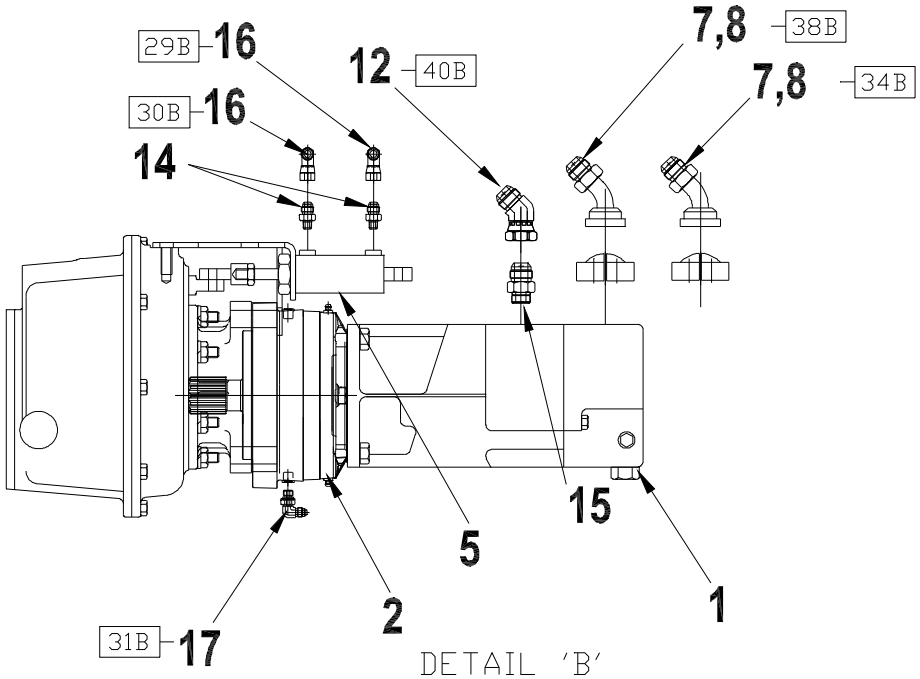

146 38A
152 40A
161 29A
162 30A
163 31A
147 34A
10
(X) - ITEM
XXX - HOSE NUMBER


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

PREVIOUS PAGE



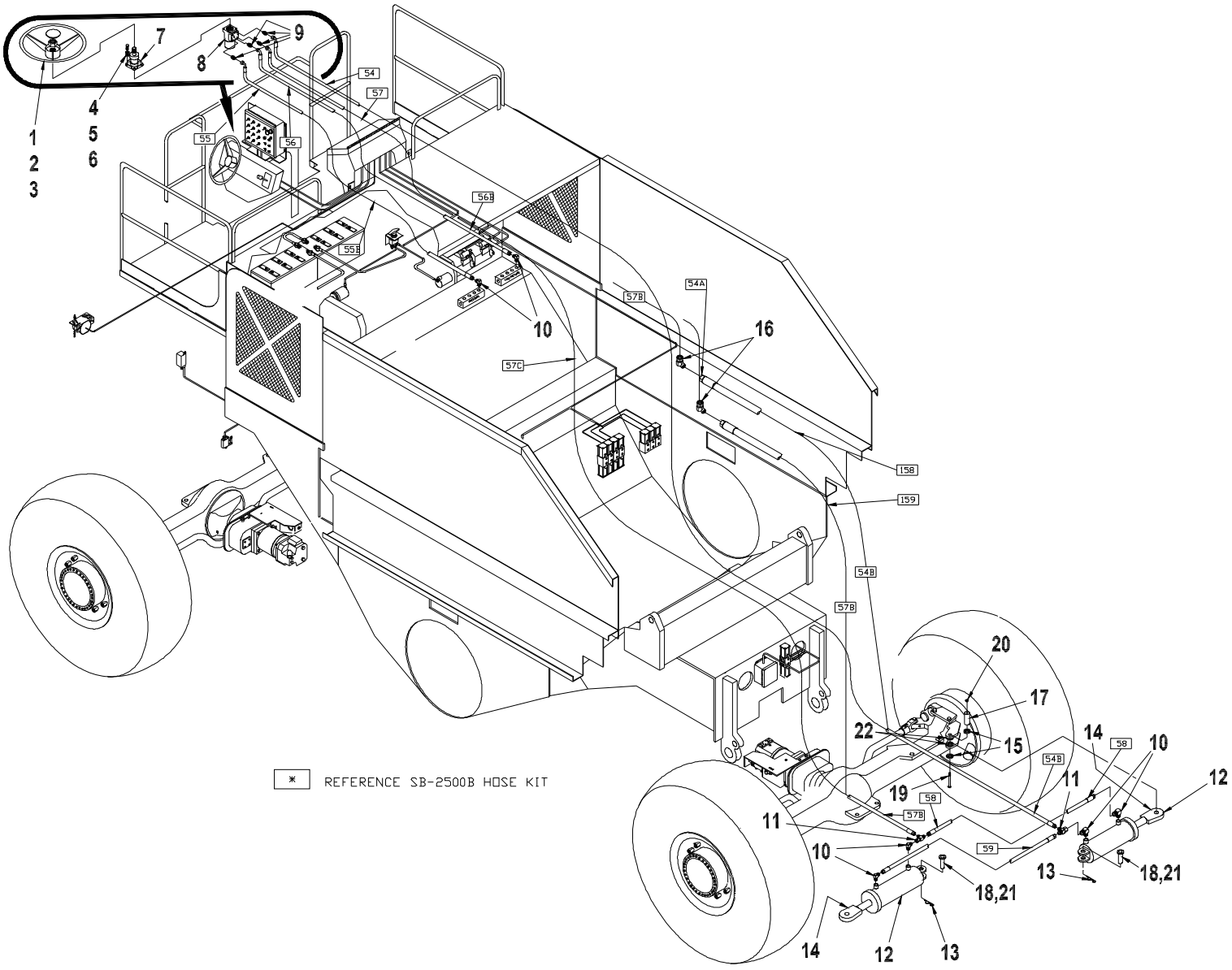
DETAIL 'A'
SCALE 3X



DETAIL 'B'
SCALE 3X

PROPEL DRIVE HYDRAULICS
(200772-01)

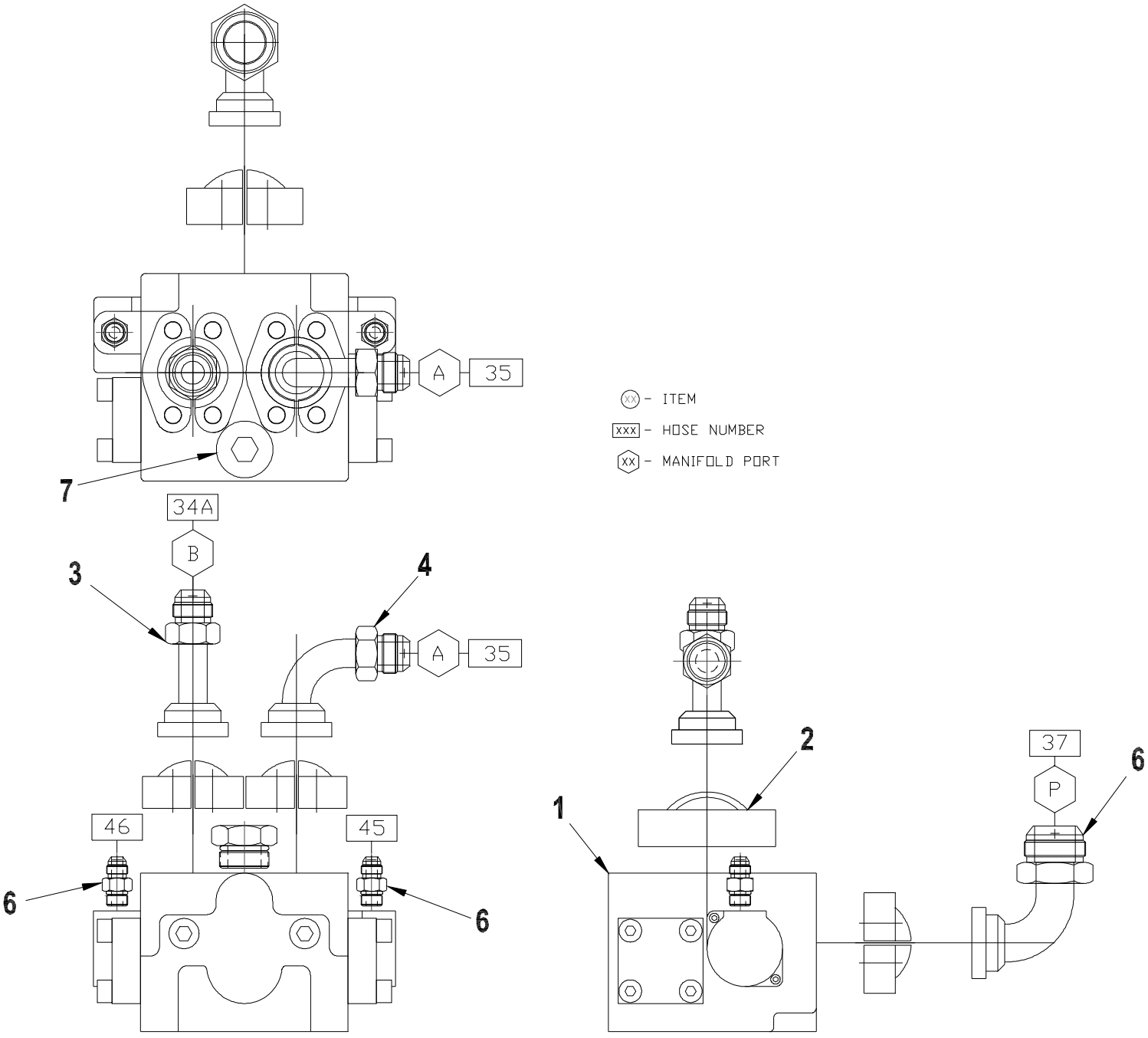
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	91681-04	MOTOR DRIVE	2
2	142483-01	BRAKE-MULTI-DISC-WET	2
3	202267-02	DIFF. LOCK VALVE	1
4	202291-03	HAND PUMP/PILOT MANIFOLD	1
5	130419	CYLINDER - 1.5 BORE X 1 STR. .5 ROD	2
6			
7	96751	#16 FLANGE 45 12 JIC - CODE 62	2
8	90729	#16 FLANGE KIT - CODE 62	4
9	83868-04	#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


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18,21
19
20
22
54
54A
54B
55
55B
56
56B
57
57B
57C
58
59
158
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)

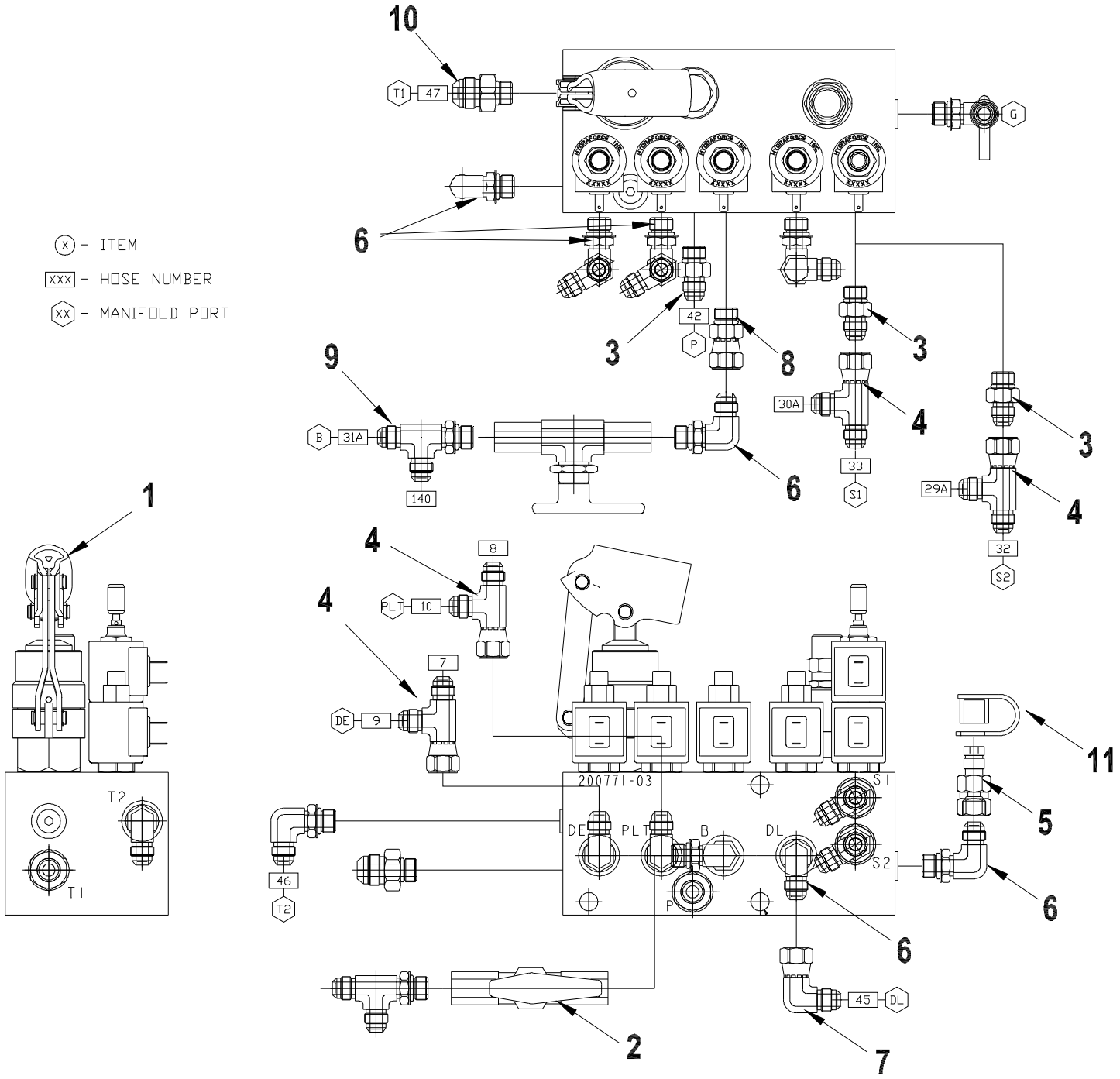


DIFF. LOCK VALVE ASSEMBLY
(202267-02)

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	92275	FITTING - 16 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)

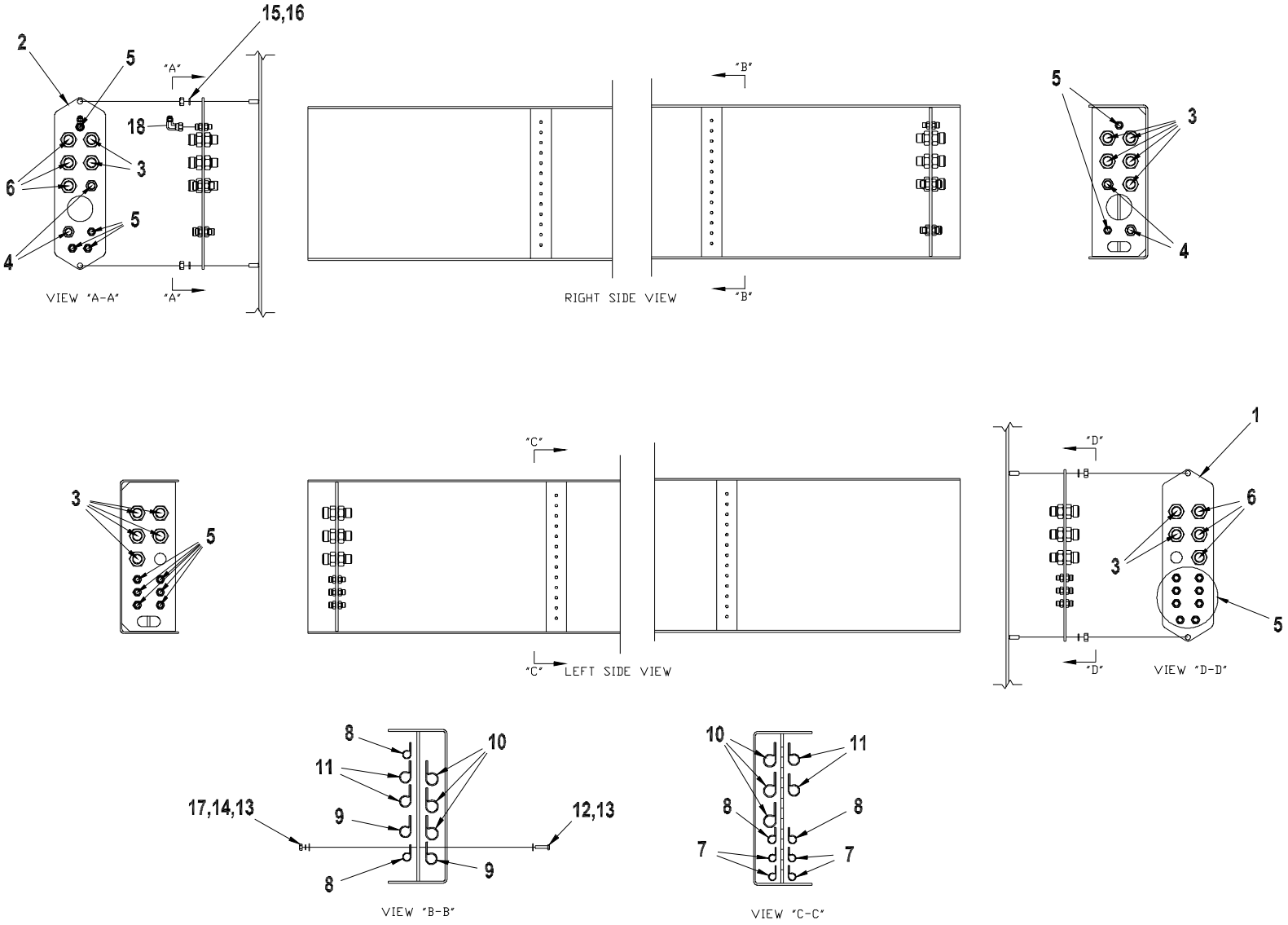


HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)

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.

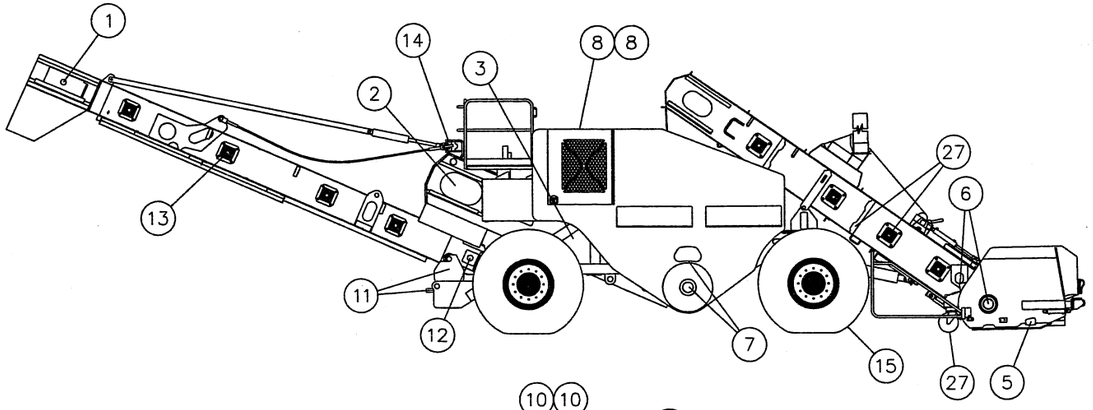
(205434-01)

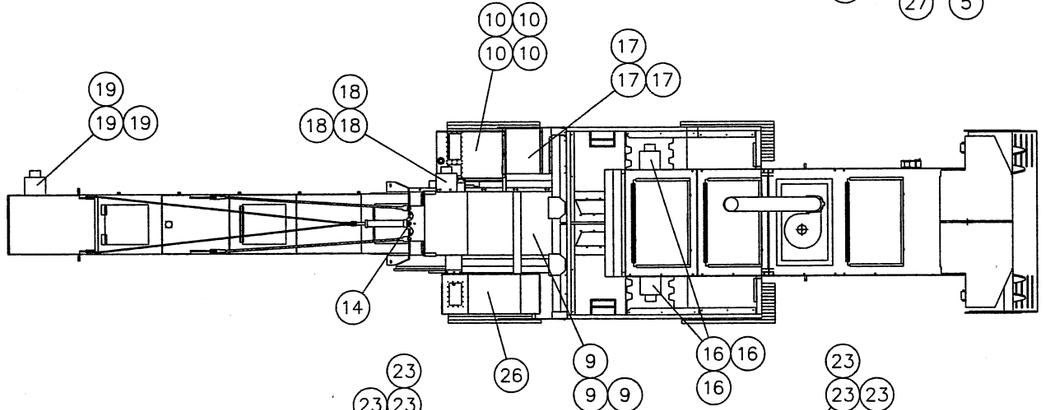


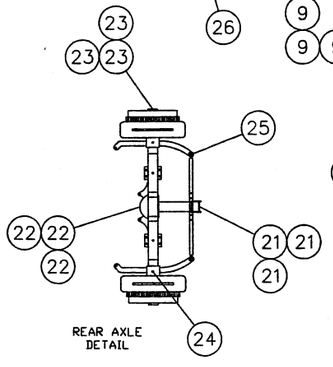
HYDRAULIC CHANNEL ASSEMBLY
(205434-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200282-04	LEFT HYDRAULIC CHANNEL BULKHEAD PLATE	1
2	200283-04	RIGHT HYDRAULIC CHANNEL BULKHEAD PLATE	1
3	83476-04	FIT - 12 JIC BULKHEAD UNION	14
4	83453-04	FIT - 8 JIC BULKHEAD UNION	4
5	83475-04	FIT - 6 JIC BULKHEAD UNION	20
6	99986	FIT - 12 JIC 90 DEG. BULKHEAD UNION	6
7			
8	20K37	CLAMPS BG - 15/16" I.D. X 1/2"	18
9	20K38	CLAMPS BG - 1 1/4" I.D. X 1/2"	20
10			
11	89988-04	HEX BOLT - 1/4-20 X 3/4" GR8	38
12	84444	FLAT WASHER - 1/4" STEEL	38
13	83065	LOCK WASHER - 1/4" SPRING STEEL	38
14	83056	LOCK WASHER - 3/8" SPRING STEEL	4
15	83055	HEX NUT - 3/8-16 GR8	4
16	89772	HEX NUT - 1/4-20 GR8	38
17	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	1

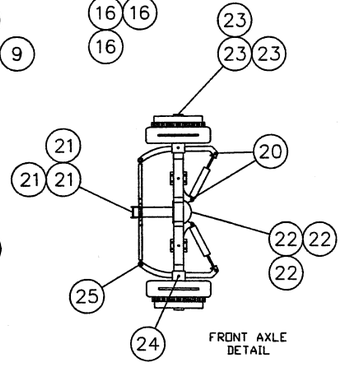
SB-2500C LUBRICATION CHART (ENGLISH)







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

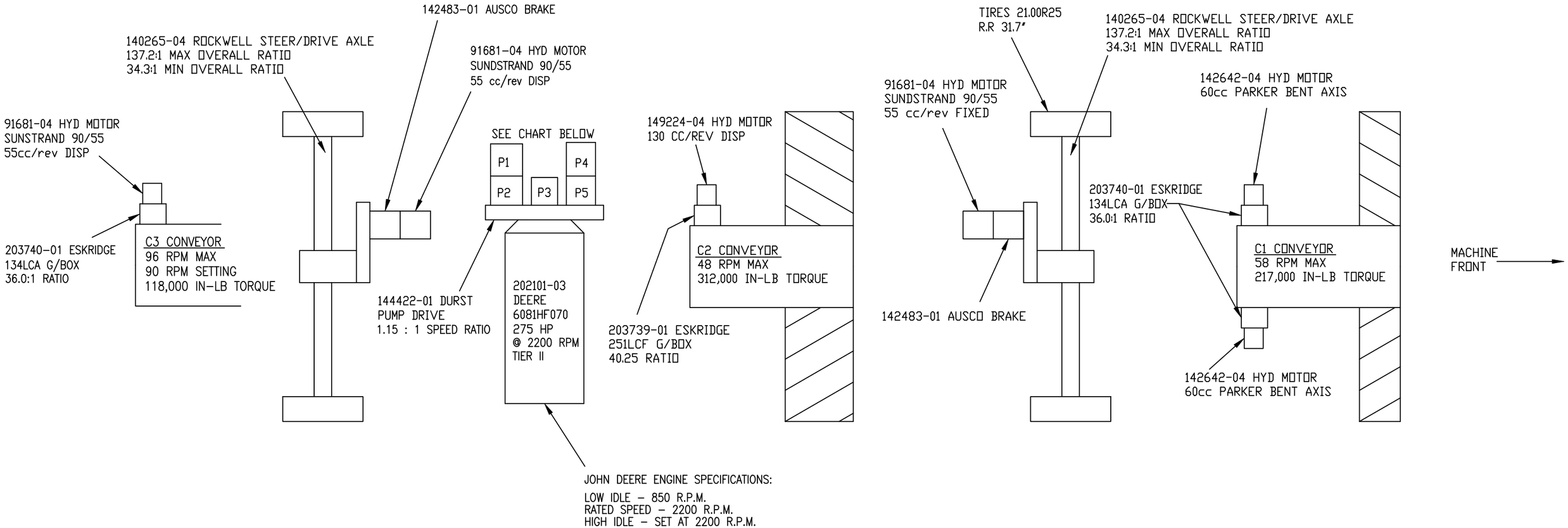
INTERVAL HOURS	REF NO	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
GREEN 250 HOURS	9	ENGINE AIR FILTER	2	N/A	CHECK AND REPLACE IF NECESSARY
	9	ENGINE OIL AND FILTER	1 EA	EO	CHANGE
	9	ENGINE FUEL FILTER	2	N/A	CHANGE
	10	HYDRAULIC FILTERS	7	HO	REPLACE 2 ELEMENTS PER CANNISTER PLUS HIGH PRESSURE 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

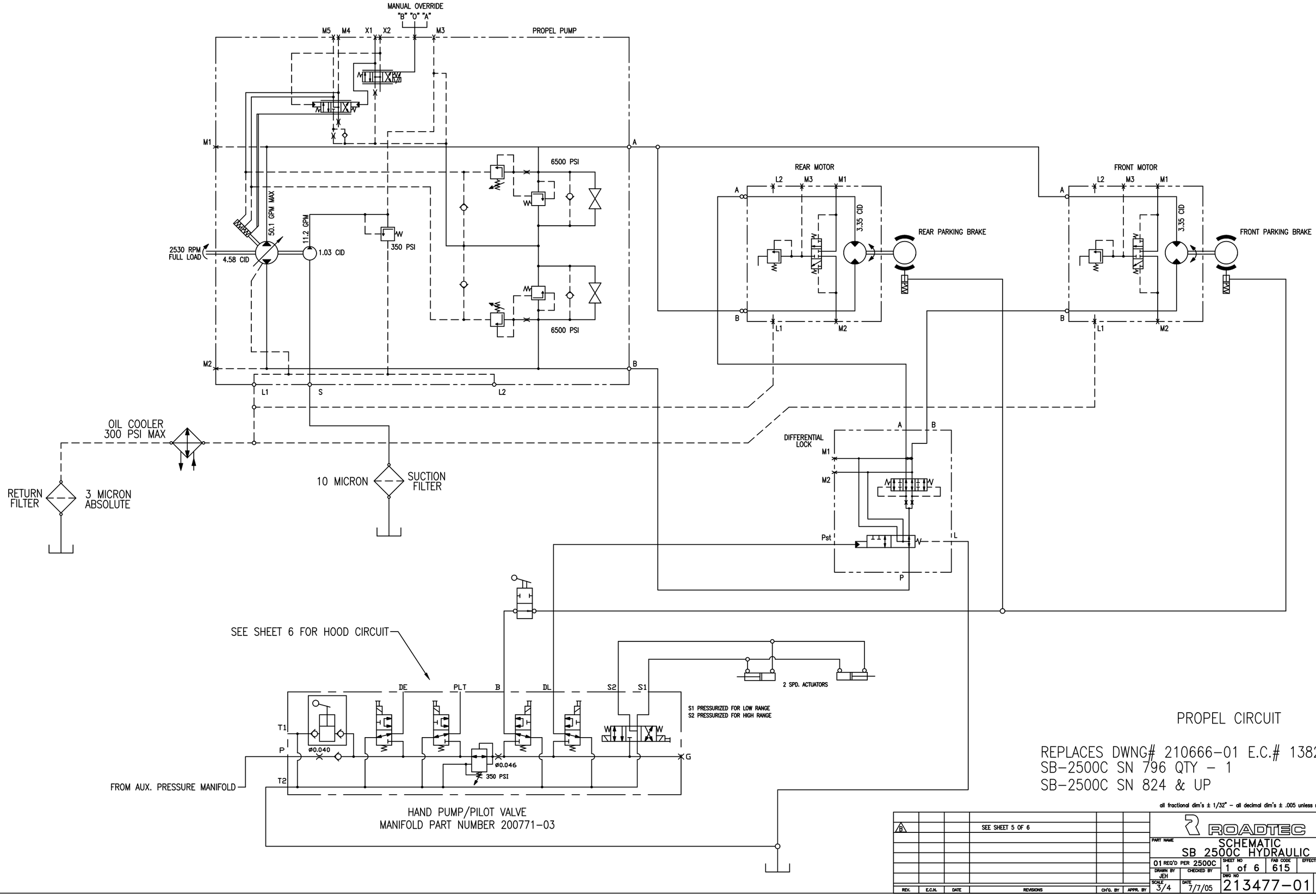
ROADTEC

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



PROPEL CIRCUIT

REPLACES DWNG# 210666-01 E.C.# 1382
SB-2500C SN 796 QTY - 1
SB-2500C SN 824 & UP

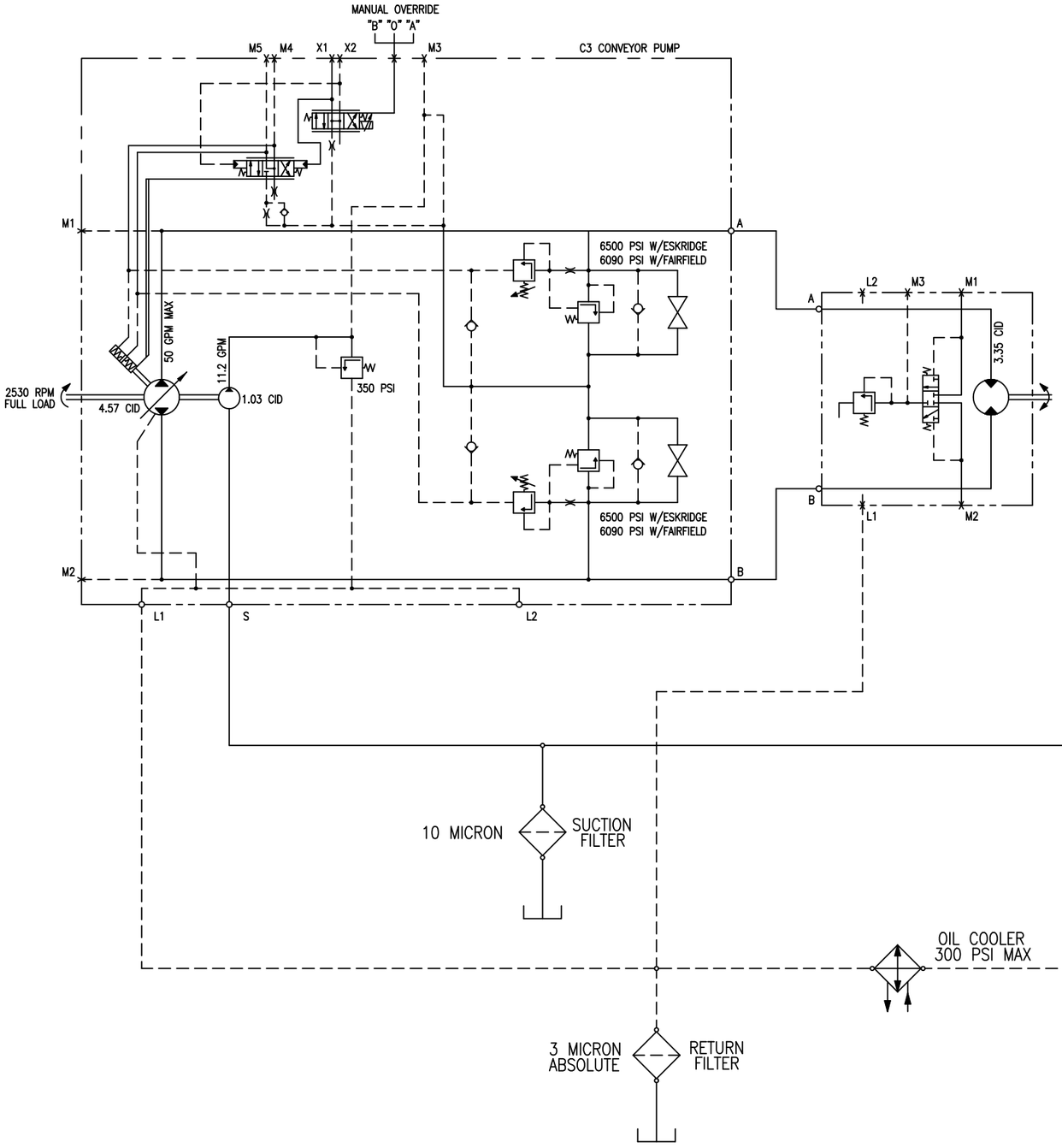
all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

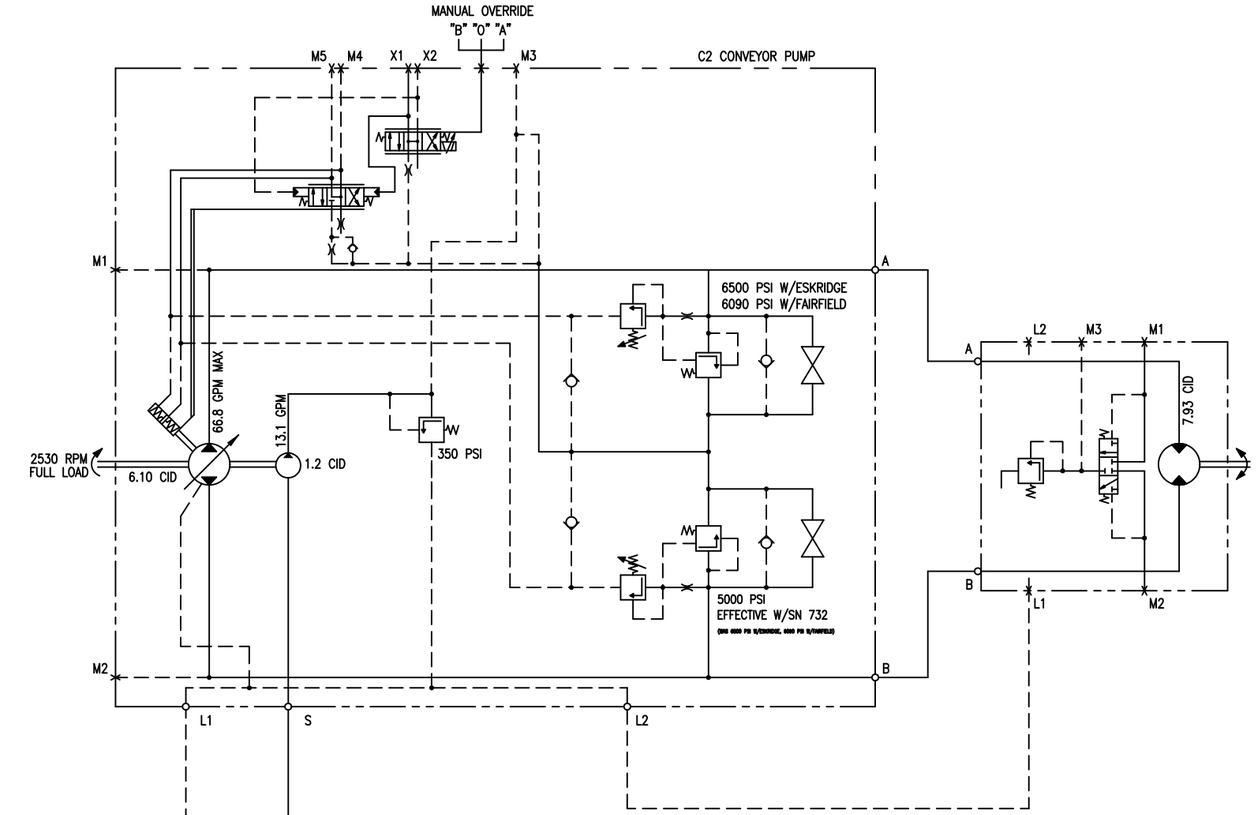
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
B			SEE SHEET 5 OF 6		

ROADTEC

PART NAME: SCHEMATIC SB 2500C HYDRAULIC

01 REQ'D PER 2500C	SHEET NO 1 of 6	FAB CODE 615	EFFECTIVE S/N
DRAWN BY JEH	CHECKED BY	DWG NO 213477-01	REV. B
SCALE 3/4	DATE 7/7/05		





C-2/C-3 CIRCUIT

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

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

ROADTEC

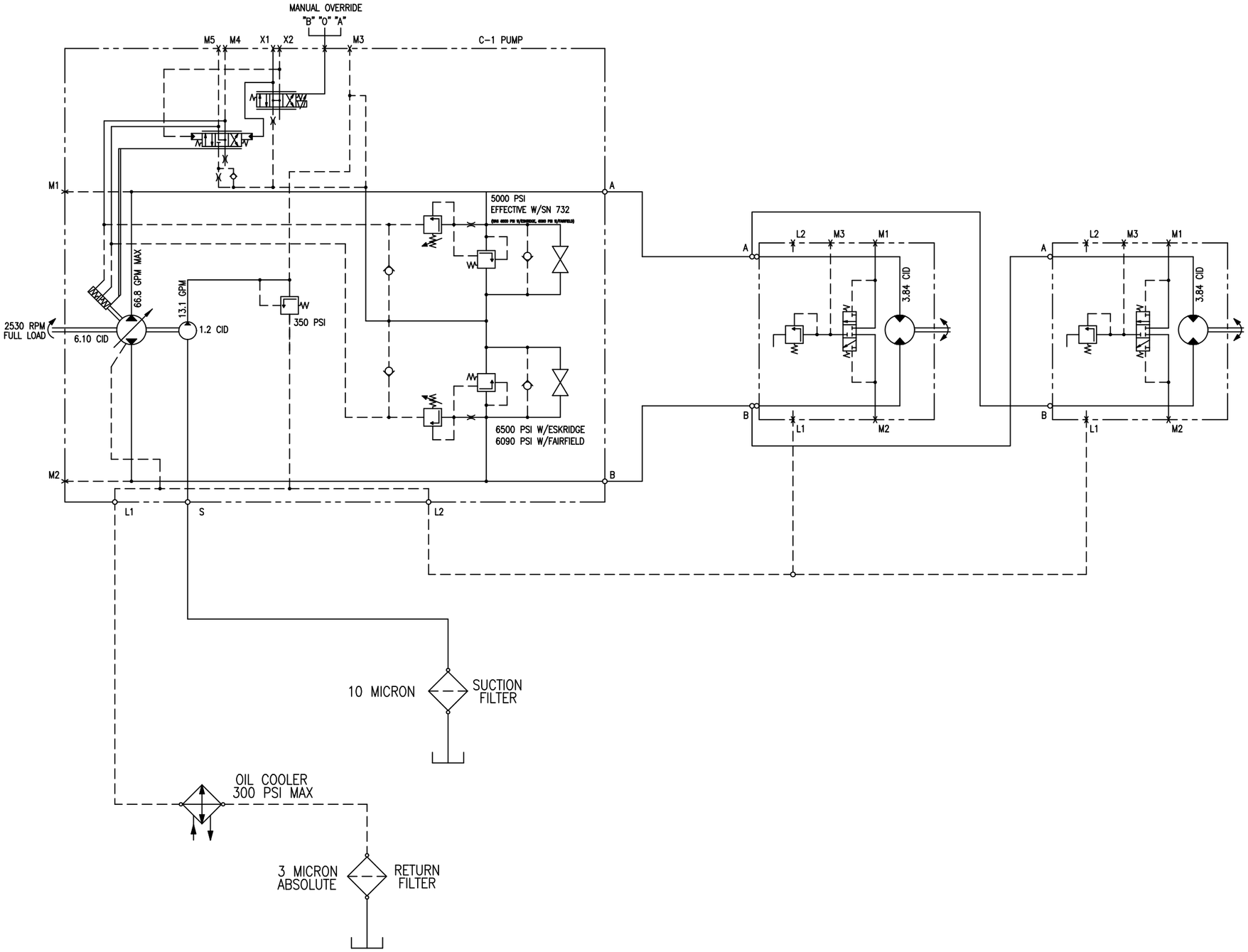
PART NAME: SCHEMATIC SB-2500C HYDRAULIC

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

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 7/7/05

DWG NO 213477-01 | REV. B



C-1 CIRCUIT

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

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

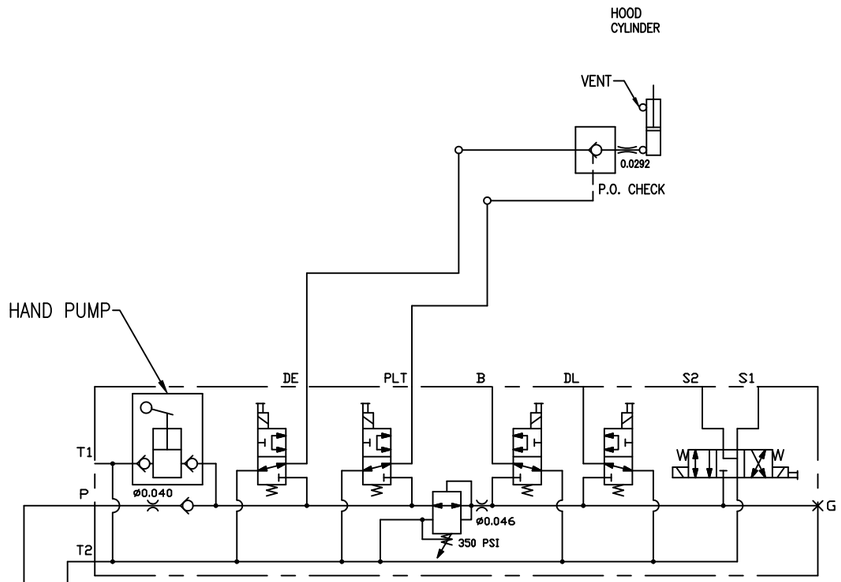
ROADTEC

PART NAME: SCHEMATIC SB-2500C HYDRAULIC

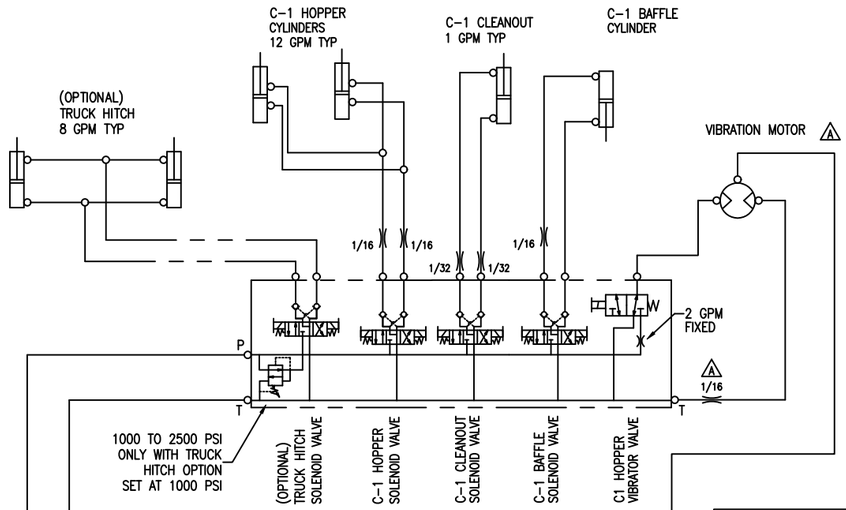
01 REQ'D PER 2500C | SHEET NO 3 of 6 | FAB CODE 615 | EFFECTIVE S/N

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 7/7/05 | DWG NO 213477-01 | REV. B

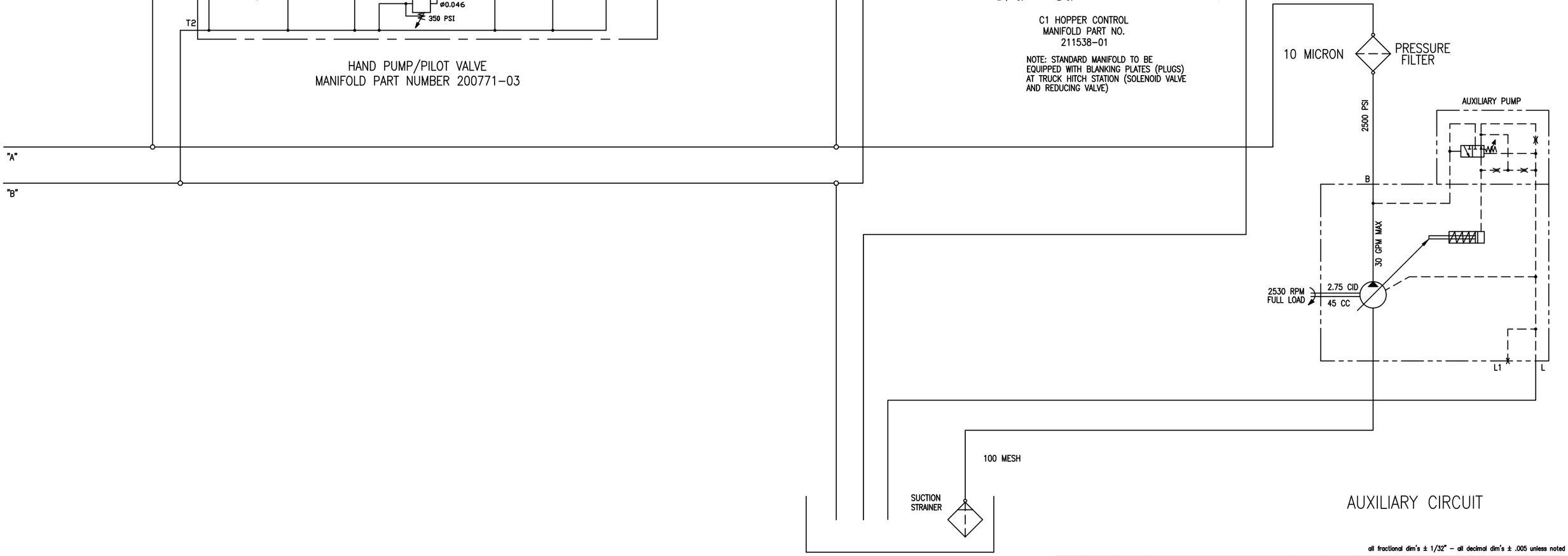


HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03



C1 HOPPER CONTROL
MANIFOLD PART NO.
211538-01

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



AUXILIARY CIRCUIT

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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A	824	12/13/05	ADDED CASE DRAIN LINE		JEH
A	824	12/27/05	ADDED FLOW RESTRICTOR FOR VIBRATOR.		JEH

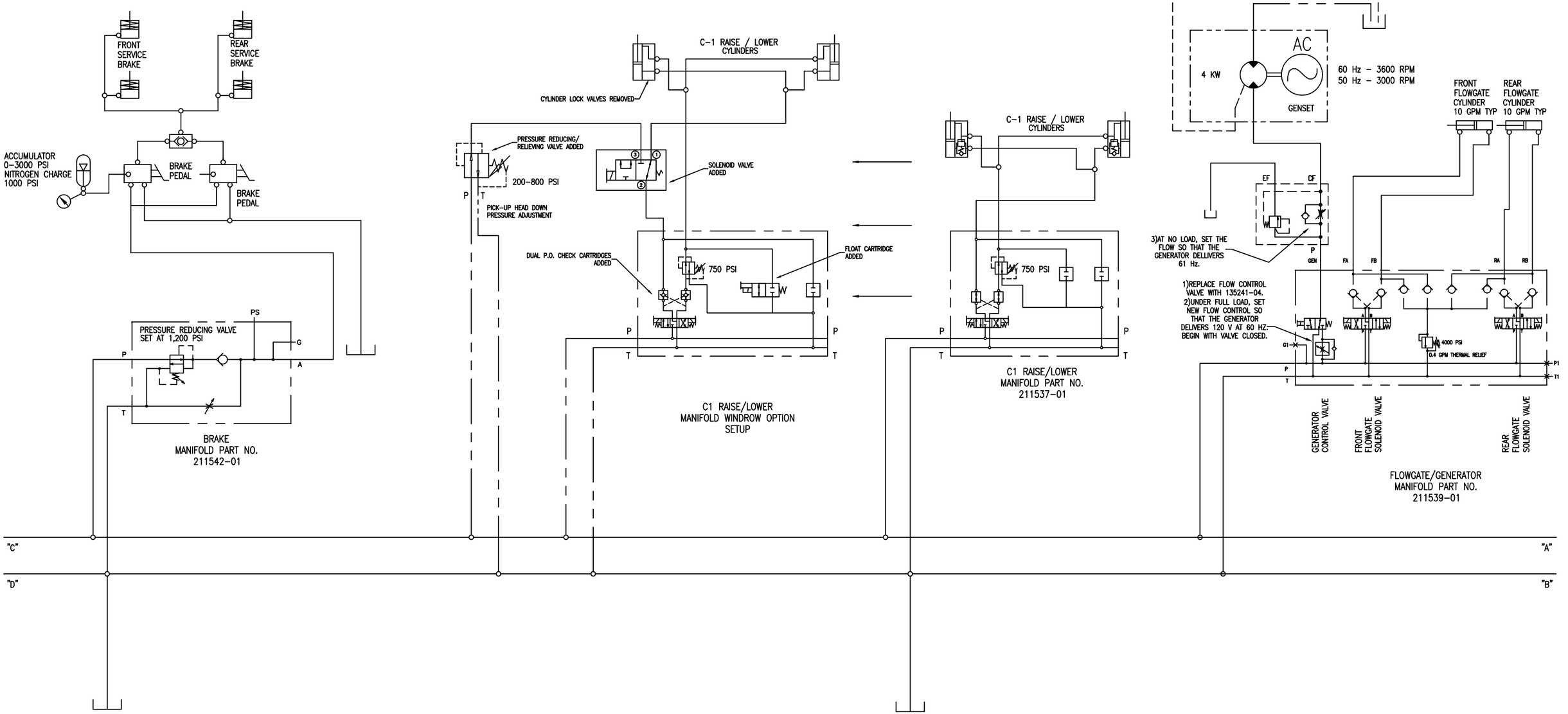
ROADTEC

PART NAME: SCHEMATIC SB-2500C HYDRAULIC

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

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 7/7/05 | DWG NO 213477-01 | REV. B



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
B		03/10/06	ADDED MODULATING FLOW CONTROL MANIFOLD		JEH

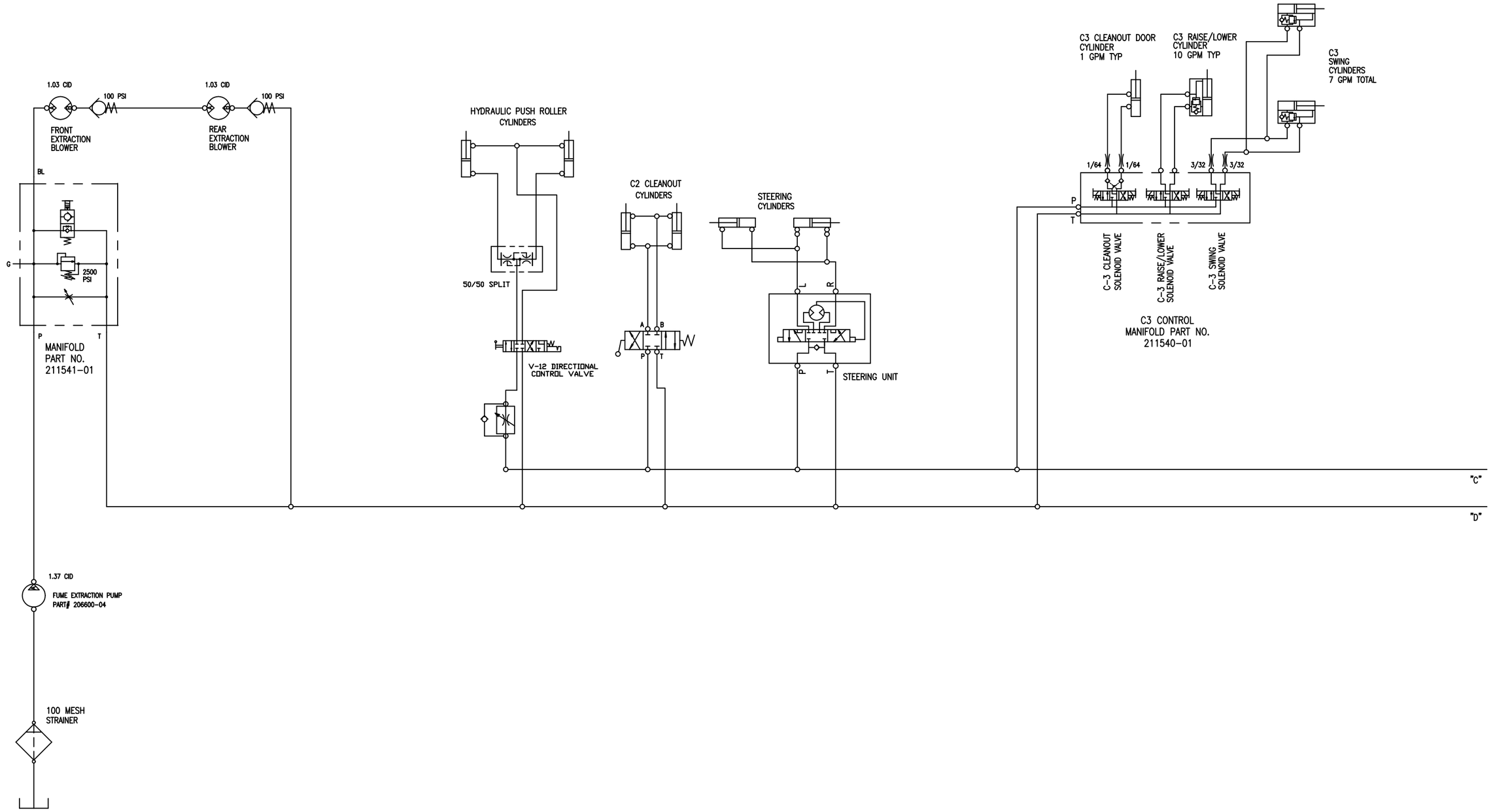
ROADTEC

PART NAME: SCHEMATIC SB–2500C HYDRAULIC

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

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 7/7/05 | DWG NO 213477–01 | REV. B



AUXILIARY CIRCUIT (CON'T)/FXS CIRCUIT

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

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

ROADTEC

PART NAME: SCHEMATIC SB-2500C HYDRAULIC

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

DRAWN BY JEH | CHECKED BY

SCALE 3/4 | DATE 7/7/05

DWG NO 213477-01 | REV. B

Hose Type Codes

code	model	description
VAC	Parker 811 for sizes 20-32 / 881 for sizes 12 & 16….all v	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 #PKT

MASTER LIST BY HOSE NUMBER

HOSE #	CIRCUIT	ROADTEC PN	FUNCTION	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN
1	BRAKES / FLOWGATES	130820S	BRAKE	0.375	STD	41	6x6 ST	6x6 LN 90	147462-04
2	BRAKES / FLOWGATES	146021S	BRAKE	0.375	STD	41	6x6 ST	6x6 90	147462-04
3	BRAKES / FLOWGATES	146021S	BRAKE	0.375	STD	41	6x6 ST	6x6 90	147462-04
4	BRAKES / FLOWGATES	**210277S**	BRAKE	0.375	STD	41	6x6 ST	6x6 ST	147462-04
5	BRAKES / FLOWGATES	146028S	BRAKE	0.375	STD	78	6x6 ST	6x6 90	147462-04
6	BRAKES / FLOWGATES	129768S	BRAKE	0.25	STD	102	4x6 ST	4x6 90	206126-04
7	BRAKE/2-SP/DIFF/C-2 COD/HOOD	130186S	HOOD RAISE*HLD BLK	0.25	STD	108	4x6 ST	4x6 90	206126-04
8	BRAKE/2-SP/DIFF/C-2 COD/HOOD	204543S	HOOD RAISE*SUMP	0.25	STD	108	4x6 ST	4x6 LN 90	206126-04
12	BRAKES / FLOWGATES	134973S	BRAKE	0.375	STD	112	6x6 ST	6x6 90	147462-04
13	BRAKES / FLOWGATES	93274-04S	BRAKE	0.375	STD	22	6x6 ST	6x6 90	147462-04
14	BRAKES / FLOWGATES	135627S	BRAKE	0.375	STD	25	6x6 ST	6x6 90	147462-04
15	C-3 DRIVE	145996S	C3*DRIVE*A	1	HP	118	16x16 ST	16x16 ST	206128-04
16	C-3 DRIVE	145995S	C3*DRIVE*B	1	HP	110	16x16 ST	16x16 ST	206128-04
17	C-3 DRIVE	145994	C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE
18	C-3 DRIVE	145994	C3*DRIVE*MTR	1	HP	274	16x16 ST	16x16 ST	NO SLEEVE
23	C3 AUX. / C3 CLEANOUT DOOR	134031S	AUXILIARY	0.5	STD	41	8x8 ST	8x8 90	145052-04
24	C3 AUX. / C3 CLEANOUT DOOR	93293-04S	AUXILIARY	0.375	STD	35	6x6 ST	6x6 90	147462-04
25	C3 AUX. / C3 CLEANOUT DOOR	99631S	C3*SWING	0.25	STD	108	4x6 ST	4x6 90	206126-04
26	C3 AUX. / C3 CLEANOUT DOOR	99631S	C3*SWING	0.25	STD	108	4x6 ST	4x6 90	206126-04
27	C3 AUX. / C3 CLEANOUT DOOR	130199S	C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	206126-04
28	C3 AUX. / C3 CLEANOUT DOOR	130199S	C3*LIFT	0.25	STD	160	4x6 ST	4x6 90	206126-04
32	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S	R*2SPD*HIGH	0.25	STD	87	4x6 ST	4x6 90	206126-04
33	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99664S	R*2SPD*LOW	0.25	STD	87	4x6 ST	4x6 90	206126-04
35	TRACTION DRIVE	146331-04	D*LOCK	0.75	HP 731	48	12x12 ST	12x12 ST	NO SLEEVE
36	TRACTION DRIVE	146338-04S	R*DRIVE*A	0.75	HP731	105	12x12 ST	12x12 90	206127-04
37	TRACTION DRIVE	201241S	PMP*DRIVE*B	1	HP	46	20x20 ST	20x20 ST	206129-04
39	ENGINE	134530S	DRIVE*SUC	1	VAC	62	16x16 ST	16x16 90	206128-04
41	TRACTION DRIVE	121351S	R*DRIVE*CD	0.75	STD	100	12x12 ST	12x12 90	206127-04
42	BRAKE/2-SP/DIFF/C-2 COD/HOOD	129765S	DRIVE*REG	0.375	STD	54	6x6 ST	6x6 90	147462-04
45	BRAKE/2-SP/DIFF/C-2 COD/HOOD	99720S	D*LOCK	0.375	STD	50	6x6 ST	6x6 ST	147462-04
46	BRAKE/2-SP/DIFF/C-2 COD/HOOD	123658S	D*LOCK	0.375	STD	59	6x6 ST	6x6 ST	147462-04
47	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120747S	AUXILIARY	0.5	STD	105	8x8 ST	8x8 90	145052-04
48	BRAKE/2-SP/DIFF/C-2 COD/HOOD	201245	C2*COD	0.375	STD	50	6x6 ST	6x6 LN 90	NO SLEEVE
49	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134801S	C2*COD*RT	0.375	STD	93	6x6 ST	6x6 ST	147462-04
50	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93315-04S	C2*COD*PR	0.375	STD	85	6x6 ST	6x6 ST	147462-04
51	BRAKE/2-SP/DIFF/C-2 COD/HOOD	127076	C2*COD	0.375	STD	57	6x6 ST	6x6 90	NO SLEEVE
52	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97801	C2*COD*JUMP	0.375	STD	48	6x6 ST	6x6 ST	NO SLEEVE
53	BRAKE/2-SP/DIFF/C-2 COD/HOOD	97800	C2*COD*JUMP	0.375	STD	60	6x6 ST	6x6 ST	NO SLEEVE

55	STEERING / C1 LIFT	137729S	STEER*RT	0.375	STD	136	6x6 ST	6x6 LN 90	147462-04
56	STEERING / C1 LIFT	97803S	STEER*PR	0.375	STD	126	6x6 ST	6x6 90	147462-04
58	STEERING / C1 LIFT	93312-04	STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE
59	STEERING / C1 LIFT	93312-04	STEER*JUMP	0.375	STD	34	6x6 ST	6x6 ST	NO SLEEVE
60	C2 DRIVE / OIL COOLER	201712S	COOLER*OUT	1.25	LP	114	20x20 ST	20x20 ST	148915-04
61	C2 DRIVE / OIL COOLER	204542S	COOLER*IN	1.25	LP	108	20x20 ST	20x20 ST	148915-04
62	FUME EXTRACTION	132285S	AUXILIARY	0.75	STD	84	12x12 ST	12x12 90	206127-04
63	ENGINE	201249S	AUXILIARY	1.5	VAC	46	24x24 ST	24x24 ST	147464-04
64	ENGINE	93331S	AUXILIARY	0.75	STD	54	12x12 ST	12x12 90	206127-04
65	ENGINE	93359-04S	C1*PUMP*CD	0.75	STD	32	12x12 ST	12x12 ST	206127-04
66	ENGINE	201250S	C2*PUMP*SUC	1.25	VAC	41	20x20 ST	20x20 90	148915-04
67	ENGINE	201711S	AUX*PUMP*CD	0.75	STD	47	12x12 ST	12x12 ST	206127-04
68	C2 DRIVE / OIL COOLER	120120S	C2*MTR*CD	0.75	STD	76	12x12 ST	12x12 90	206127-04
69	C2 DRIVE / OIL COOLER	120121S	C2*DRIVE*A	1.25	HP	90	20x20 ST	20x20 ST	206129-04
70	C2 DRIVE / OIL COOLER	146024S	C2*DRIVE*B	1.25	HP	82	20x20 ST	20x20 ST	206129-04
71	C3 DRIVE	120187S	C3*DRIVE*CD	0.75	STD	118	12x12 ST	12x12ST	206127-04
77	ENGINE	134047S	C3*DRIVE*CD	0.75	STD	66	12x12 ST	12x12 90	206127-04
78	ENGINE	201255S	C3*DRIVE*SUC	1	VAC	51	16x16 ST	16x16 90	206128-04
79	C1 DRIVE	201256-04S	L*C1*DRIVE*A	0.75	HP731	65	12x12 ST	12x12 90	206127-04
80	C1 DRIVE	146332-04S	L*C1*DRIVE*B	0.75	HP731	29	12x12 ST	12x12 90	206127-04
81	C1 DRIVE	201257-04S	R*C1*DRIVE*A	0.75	HP731	99	12x12 ST	12x12 90	206127-04
82	C1 DRIVE	201258-04S	R*C1*DRIVE*B	0.75	HP731	110	12x12 ST	12x12 90	206127-04
83	ENGINE	93323-04S	C2*DRIVE*CD	0.75	STD	43	12x12 ST	12x12 ST	206127-04
84	ENGINE	130654S	C1*DRIVE*SUC	1.25	VAC	74	20x20 ST	20x20 90	148915-04
85	C1 DRIVE	201275S	L*C1*DRIVE*CD	0.75	STD	36	12x12 ST	12x12 ST	206127-04
86	C1 DRIVE	130652S	R*C1*DRIVE*CD	0.75	STD	90	12x12 ST	12x12 90	206127-04
87	ENGINE	201297S	DURST*DR	0.5	STD	82	8x8 ST	8x8 90	145052-04
88	C1 AUXILIARY	215259	VIBRATOR	0.25	STD	165	4x6 ST	4x6 ST	NO SLEEVE
89	C1 AUXILIARY	215260	VIBRATOR	0.25	STD	164	4x6 ST	4x6 45	NO SLEEVE
90	C1 AUXILIARY	201278	D*HOPPER	0.25	STD	134	4x6 ST	4x6 ST	NO SLEEVE
91	C1 AUXILIARY	148505	D*HOPPER	0.25	STD	128	4x6 ST	4x6 ST	NO SLEEVE
92	C1 AUXILIARY	201279	D*HOPPER	0.25	STD	220	4x6 ST	4x6 ST	NO SLEEVE
93	C1 AUXILIARY	201280	D*HOPPER	0.25	STD	226	4x6 ST	4x6 ST	NO SLEEVE
94	C1 AUXILIARY	99646	C1*AUX	0.5	STD	107	8x8 ST	8x8 90	NO SLEEVE
95	C1 AUXILIARY	99654	C1*AUX	0.375	STD	107	6x6 ST	6x6 90	NO SLEEVE
98	C1 AUXILIARY	99665	C1*AUX	0.375	STD	26	6x6 ST	6x6 90	NO SLEEVE
99	C1 AUXILIARY	99666	C1*AUX	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE
100	C1 AUXILIARY	120164	C1*AUX	0.375	STD	23	6x6 ST	6x6 90	NO SLEEVE
101	C1 AUXILIARY	120826	C1*AUX	0.375	STD	23	6x6 ST	6x6 ST	NO SLEEVE
106	C1 DRIVE	201286	C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE
107	C1 DRIVE	201286	C1*MTR*CD	0.75	STD	162	12x12 ST	12x12 ST	NO SLEEVE
108	C1 DRIVE	201287-04	C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
109	C1 DRIVE	201287-04	C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
110	C1 DRIVE	201287-04	C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
111	C1 DRIVE	201287-04	C1*MTR	0.75	HP731	162	12x12 ST	12x12 ST	NO SLEEVE
112	ENGINE	120756S	DRIVE*CD	0.75	STD	27	12x12 ST	12x12 ST	206127-04
113	ENGINE	129853S	ENG*OIL*DR	0.75	STD	60	12x12 ST	12x12 ST	206127-04
117	C3 DRIVE	127788	C3*MTR*CD	0.75	STD	274	12x12 ST	12x12 ST	NO SLEEVE
118	ENGINE	201289S	F*FXS*SUC	1	VAC	86	16x16 ST	16x16 90	206128-04

120	ENGINE	93621-04S	F*FXS*PR	0.5	STD	48	8x8 ST	8x8 90	145052-04
122	C3 AUX. / C3 CLEANOUT DOOR	93294-04	C3 SWING	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE
123	C3 AUX. / C3 CLEANOUT DOOR	93294-04	C3 SWING	0.25	STD	42	4x6 ST	4x6 90	NO SLEEVE
124	FUME EXTRACTION	201290S	FXS*AUX	0.5	STD	116	8x8 ST	8x8 ST	145052-04
129	FUME EXTRACTION	93413-04S	FXS*AUX	0.75	STD	50	12x12 ST	12x12 90	206127-04
130	FUME EXTRACTION	201291	FXS*AUX	0.75	STD	115	12x12 ST	12x12 ST	NO SLEEVE
131	FUME EXTRACTION	130139	FXS*AUX	0.5	STD	110	8x8 ST	8x8 ST	NO SLEEVE
132	C3 AUX. / C3 CLEANOUT DOOR	128974	C3*COD	0.25	STD	52	4x6 ST	4x6 90	NO SLEEVE
133	C3 AUX. / C3 CLEANOUT DOOR	122295	C3*COD	0.25	STD	48	4x6 ST	4x6 90	NO SLEEVE
134	C3 AUX. / C3 CLEANOUT DOOR	130200S	C3*COD	0.25	STD	102	4x6 ST	4x6 ST	206126-04
135	C3 AUX. / C3 CLEANOUT DOOR	130200S	C3*COD	0.25	STD	102	4x6 ST	4x6 ST	206126-04
136	C3 AUX. / C3 CLEANOUT DOOR	201293S	C3*COD	0.375	STD	35	6x8 ST	6x8 90	147462-04
137	C3 AUX. / C3 CLEANOUT DOOR	99655S	C3*COD	0.375	STD	27	6x6 ST	6x6 90	147462-04
138	C1 AUXILIARY	131019	C1*COD	0.25	STD	64	4x6 ST	4x6 ST	NO SLEEVE
139	C1 AUXILIARY	97396	C1*COD	0.25	STD	66	4x6 ST	4x6 90	NO SLEEVE
140	BRAKE/2-SP/DIFF/C-2 COD/HOOD	146033S	R*PARK*BRAKE	0.25	STD	96	4x4 ST	4x6 90	206126-04
141	BRAKES / FLOWGATES	130821	R*BRAKE	0.375	STD	60	6x6 ST	6x6 90 45 deg flare	NO SLEEVE
142	BRAKES / FLOWGATES	201292	R*BRAKE	0.375	STD	68	6x6 ST	6x6 90 45 deg flare	NO SLEEVE
143	BRAKES / FLOWGATES	201294	F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	NO SLEEVE
144	BRAKES / FLOWGATES	201294	F*BRAKE	0.375	STD	70	6x6 ST	6x6 90 45 deg flare	NO SLEEVE
146	C1 DRIVE	201296-04	R*C1*DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
147	C1 DRIVE	201296-04	R*C1*DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
148	C1 DRIVE	201296-04	L*C1*DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
149	C1 DRIVE	201296-04	L*C1*DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
150	TRACTION DRIVE	201296-04	DRIVE*PR	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
151	TRACTION DRIVE	201296-04	DRIVE*RT	0.75	HP731	96	12x12 ST	12x12 ST	NO SLEEVE
152	C1 DRIVE	125466	R*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
153	TRACTION DRIVE	125466	DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
154	C1 DRIVE	125466	L*C1*DRIVE*CD	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
155	FUME EXTRACTION	125466	FXS*RT	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE
156	FUME EXTRACTION	93339-04	FXS*PR	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE
157	C1 AUXILIARY	93339-04	C1*AUX*RT	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE
158	STEERING / C1 LIFT	201298	L*STEER	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
159	STEERING / C1 LIFT	201298	R*STEER	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
160	C1 AUXILIARY	201298	C1*AUX*PR	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
161	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	2*SPD*H	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
162	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	2*SPD*L	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
163	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	FR*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
164	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134495	FR*PARK*BRAKE	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
165	FUME EXTRACTION	141179-04	FXS*PR	0.5	STD	20	8x8 ST	8x8 90	NO SLEEVE
170	FUME EXTRACTION	93331-04S	AUXILIARY	0.75	STD	54	12x12 ST	12x12 90	206127-04
171	C1 AUXILIARY	130191	BAFFLE*OPEN	0.25	STD	72	4x6 ST	4x6 90	NO SLEEVE
172	C1 AUXILIARY	129837	BAFFLE*OPEN	0.25	STD	58	4x6 ST	4x6 90	NO SLEEVE
173	FUME EXTRACTION	148614	C1 FXS*CD	0.375	STD	110	6x6 ST	6x6 ST	NO SLEEVE
174	FUME EXTRACTION	201298	FXS*CD*PANEL	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE
175	FUME EXTRACTION	127111S	FXS*BH*TANK	0.375	STD	130	6x6 ST	6x6 ST	147462-04

176	FUME EXTRACTION	97800S	C2*FXS*TANK	0.375	STD	60	6x6 ST	6x6 ST	147462-04
178	C1 AUXILIARY	99660	PUSH ROLLER	0.5	STD	110	8x8 ST	8X8 90	NO SLEEVE
179	C1 AUXILIARY	121546	PUSH ROLLER	0.375	STD	120	6x6 ST	6x6 90	NO SLEEVE
180	C1 AUXILIARY	97859	PUSH ROLLER	0.25	STD	100	4x6 ST	4x6 ST	NO SLEEVE
181	C1 AUXILIARY	129836	PUSH ROLLER	0.25	STD	105	4x6 ST	4x6 ST	NO SLEEVE
182	C1 AUXILIARY	99645	PUSH ROLLER	0.25	STD	200	4x6 ST	4x6 ST	NO SLEEVE
183	C1 AUXILIARY	201302	PUSH ROLLER	0.25	STD	208	4x6 ST	4x6 ST	NO SLEEVE
184	C1 AUXILIARY	215255	VIBRATOR	0.25	STD	98	4x6 ST	4x6 ST	NO SLEEVE
185	C1 AUXILIARY	215256S	VIBRATOR	0.25	STD	87	4x6 ST	4x6 ST	206126-04
186	C1 AUXILIARY	216283S	VIBRATOR	0.25	STD	268	4x4 ST	4x6 ST	206126-04
187	C1 AUXILIARY	215258S	VIBRATOR	0.25	STD	102	4x6 ST	4x6 45	206126-04
188	FUME EXTRACTION	130007S	FXS*AUX	0.75	STD	142	12x12 ST	12x12 90	206127-04
11A	BRAKES / FLOWGATES	129836S	BRAKE	0.25	STD	105	4x6 ST	4x6 ST	206126-04
11B	BRAKES / FLOWGATES	134033	BRAKE	0.25	STD	96	4x6 ST	4x6 45	NO SLEEVE
19A	BRAKES / FLOWGATES	201220S	FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	206126-04
19B	BRAKES / FLOWGATES	126924	FLOWGATES	0.25	STD	74	4x6 ST	4x6 ST	NO SLEEVE
20A	BRAKES / FLOWGATES	201220S	FLOWGATES	0.25	STD	9	4x6 ST	4x6 45	206126-04
20B	BRAKES / FLOWGATES	93603-04	FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	NO SLEEVE
21A	BRAKES / FLOWGATES	201221S	FLOWGATES	0.25	STD	110	4x6 ST	4x6 LN 90	206126-04
21B	BRAKES / FLOWGATES	126924	FLOWGATES	0.25	STD	74	4x6 ST	4x6 ST	NO SLEEVE
22A	BRAKES / FLOWGATES	129835S	FLOWGATES	0.25	STD	110	4x6 ST	4x6 90	206126-04
22B	BRAKES / FLOWGATES	93603-04	FLOWGATES	0.25	STD	66	4x6 ST	4x6 ST	NO SLEEVE
29A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S	F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	206126-04
29B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034	F*2SPD*HIGH	0.25	STD	104	4x6 ST	4x6 45	NO SLEEVE
30A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	93384-04S	F*2SPD*HIGH	0.25	STD	42	4x6 ST	4x6 ST	206126-04
30B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134034	F*2SPD*LOW	0.25	STD	104	4x6 ST	4x6 45	NO SLEEVE
31A	BRAKE/2-SP/DIFF/C-2 COD/HOOD	120107S	F*PARK*BRAKE	0.25	STD	34	4x6 ST	4x6 ST	206126-04
31B	BRAKE/2-SP/DIFF/C-2 COD/HOOD	134038	F*PARK*BRAKE	0.25	STD	92	4x4 ST	4x6 45	NO SLEEVE
34A	TRACTION DRIVE	149500-04S	F*DRIVE*B	0.75	HP731	62	12x12 ST	12x12 ST	206127-04
34B	TRACTION DRIVE	146328-04	F*DRIVE*B	0.75	HP731	73	12x12 ST	12x12 90	NO SLEEVE
38A	TRACTION DRIVE	201242-04S	F*DRIVE*A	0.75	HP731	118	12x12 ST	12x12 90	206127-04
38B	TRACTION DRIVE	201243-04	F*DRIVE*A	0.75	HP731	76	12x12 ST	12x12 90	NO SLEEVE
40A	TRACTION DRIVE	131416S	F*DRIVE*CD	0.75	STD	84	12x12 ST	12x12 ST	206127-04
40B	TRACTION DRIVE	127141	F*DRIVE*CD	0.75	STD	74	12x12 ST	12x12 90	NO SLEEVE
54A	STEERING / C1 LIFT	134503S	L*STEER	0.375	STD	156	6x6 ST	6x6 LN 90	147462-04
54B	STEERING / C1 LIFT	201246	L*STEER	0.375	STD	126	6x6 ST	6x6 45	NO SLEEVE
57A	STEERING / C1 LIFT	128235S	R*STEER	0.375	STD	156	6x6 ST	6x6 90	147462-04
57B	STEERING / C1 LIFT	201246	R*STEER	0.375	STD	126	6x6 ST	6x6 45	NO SLEEVE
96A	STEERING / C1 LIFT	120747S	C1*LIFT	0.5	STD	105	8x8 ST	8x8 90	145052-04
96B	STEERING / C1 LIFT	136009	C1*LIFT	0.5	STD	147	8x8 ST	8x8 45	NO SLEEVE
97A	STEERING / C1 LIFT	201281S	C1*LIFT	0.375	STD	96	6x6 ST	6x6 LN 90	147462-04
97B	STEERING / C1 LIFT	201282	C1*LIFT	0.375	STD	144	6x6 ST	6x6 45	NO SLEEVE

MISCELLANEOUS ITEMS SHIPPED IN HOSE KIT FROM PARKER

ROADTEC PART#	DESCRIPTION	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	1	BRAKE HYDRAULICS
89010-04	VALVE ~ 2 WAY BALL 1/4 N.P.T.	1	WASHDOWN
134217-04	GREASE LINE ~ 1/4 X17 1/2" W/4 JIC SW	2	C-3 PIVOT BOX TUBE

REVISION	DATE	DESCRIPTION	BY
A	3/17/2006	HOSE 186 WAS PN #215257S	DD
B	4/10/2006	HOSE 118 WAS PN #2201289S	DD

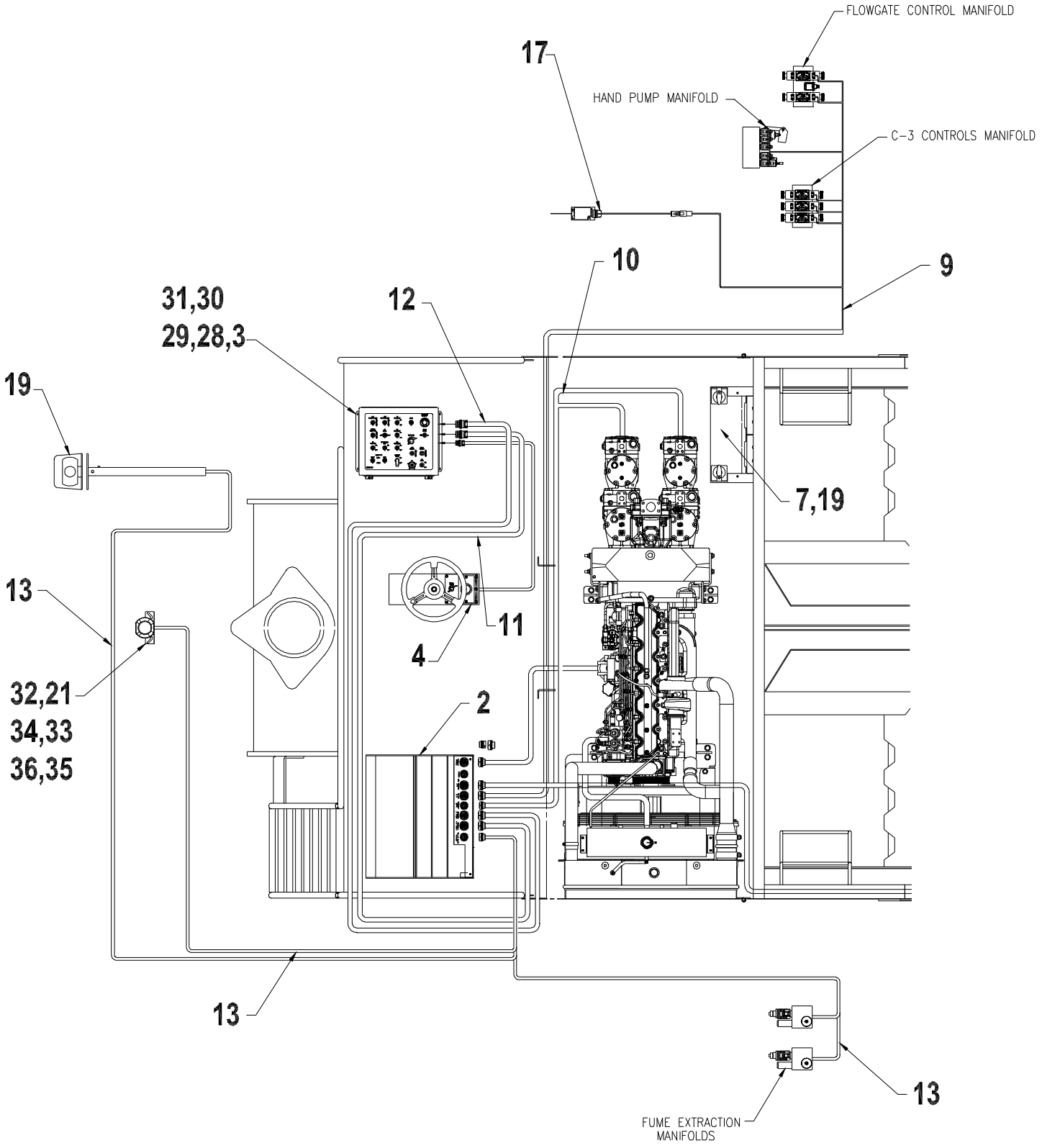
SECTION 5 : ELECTRICAL

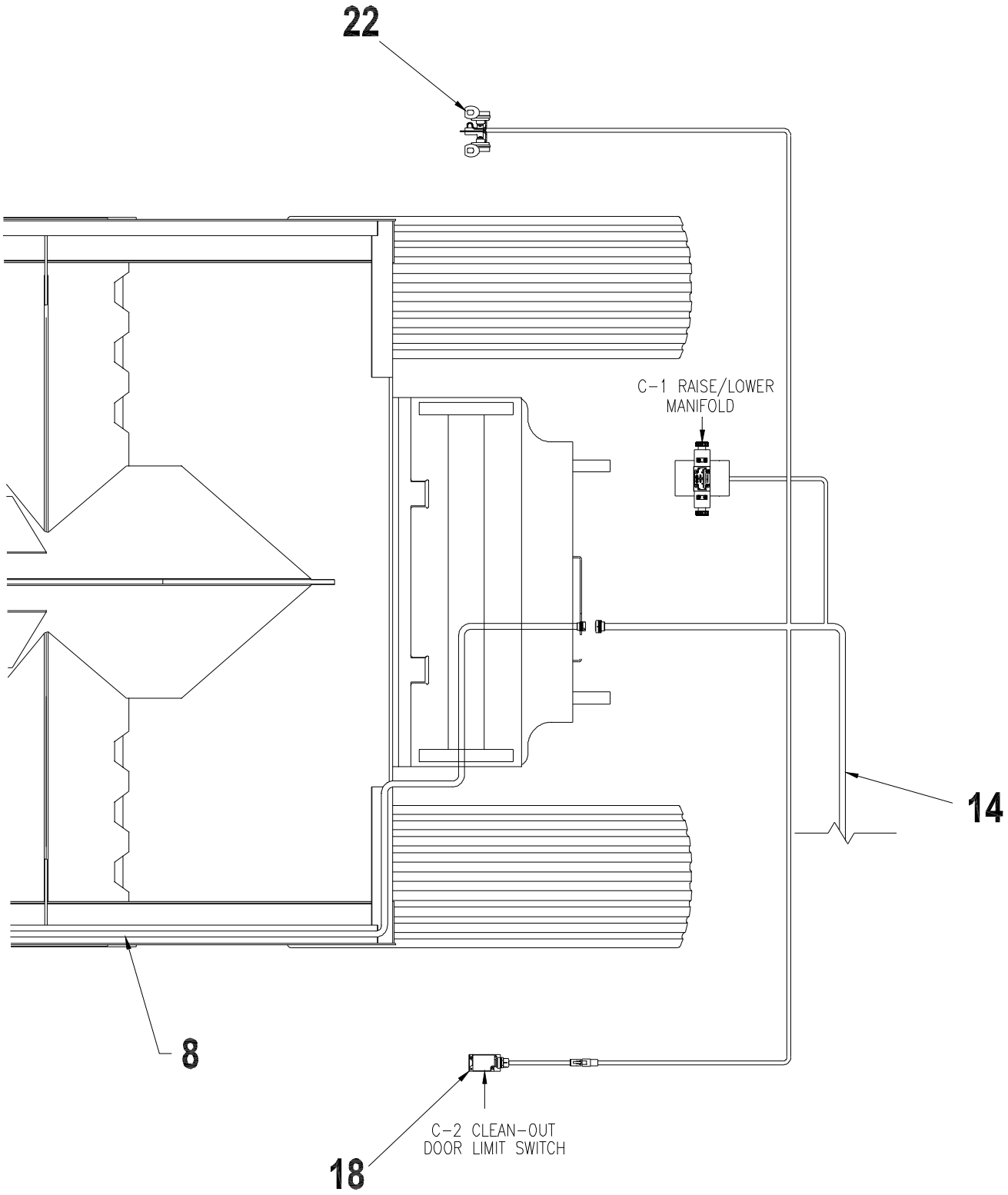
ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL	214720-01	824 & UP	5.1
CENTER CONSOLE	214719-01		5.5
STEERING BOX	214260-01		5.9
L.H. C-1 CONTROL BOX	214262-01		5.13
R.H. C-1 CONTROL BOX	214261-01		5.17
BATTERY / ISO SWITCH HARNESS	204281-03		5.21
MAIN BREAKER & WASHDOWN HARNESS	203487-01		5.23
C-2 CLEAN-OUT 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	214568-03		5.28
HARNESS - VALVE STACK	214209-01		5.29
HARNESS - R.H. C-1 CONTROL BOX	214220-01		5.31
SCHEMATIC	214769-01		

SB-2500C ELECTRICAL ASSEMBLY.

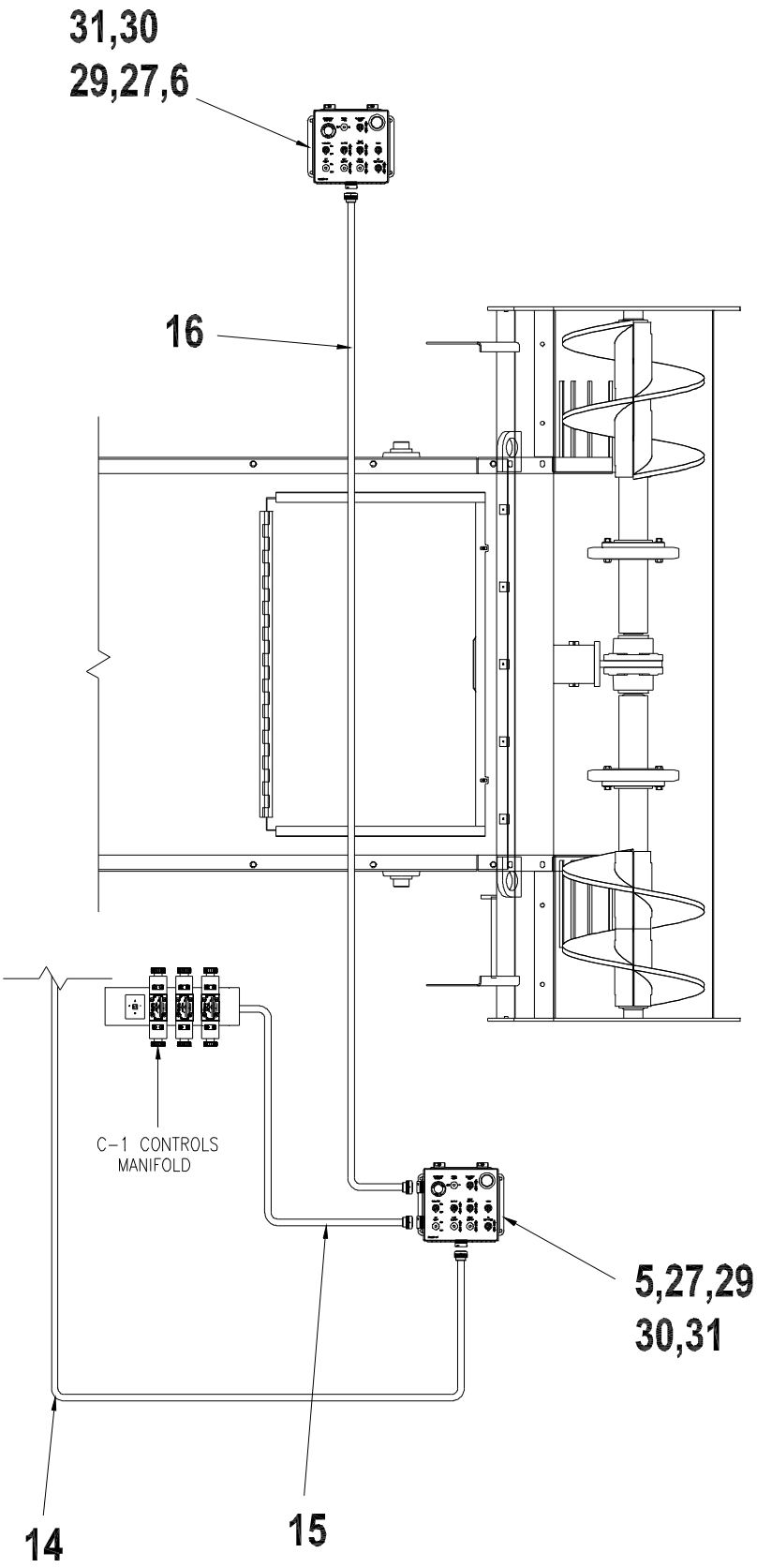
(214720-01)

NEXT PAGE




22
C-1 RAISE/LOWER MANIFOLD
14
8
C-2 CLEAN-OUT DOOR LIMIT SWITCH
18

PREVIOUS PAGE



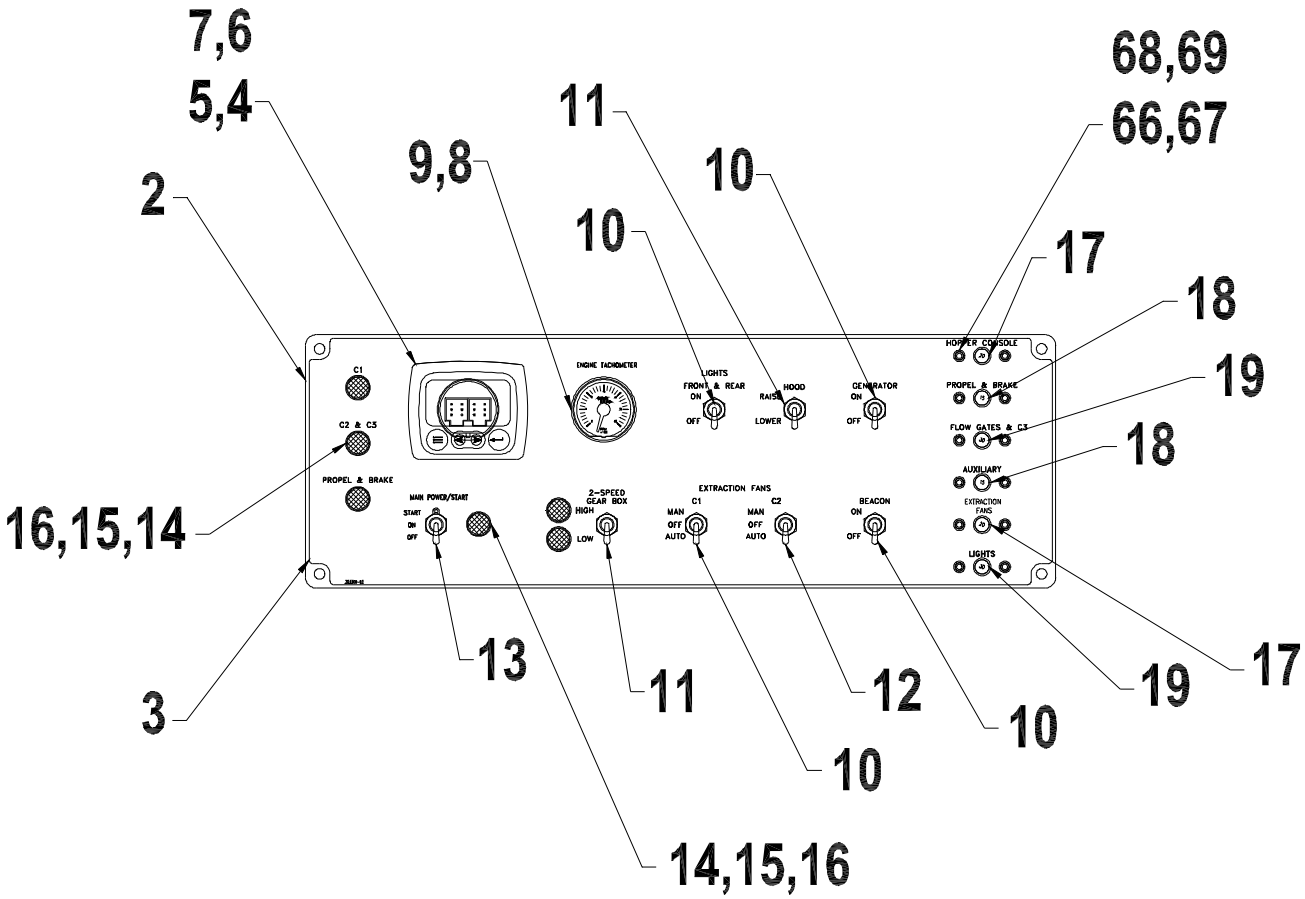
ELECTRICAL ASSEMBLY
(214720-01)

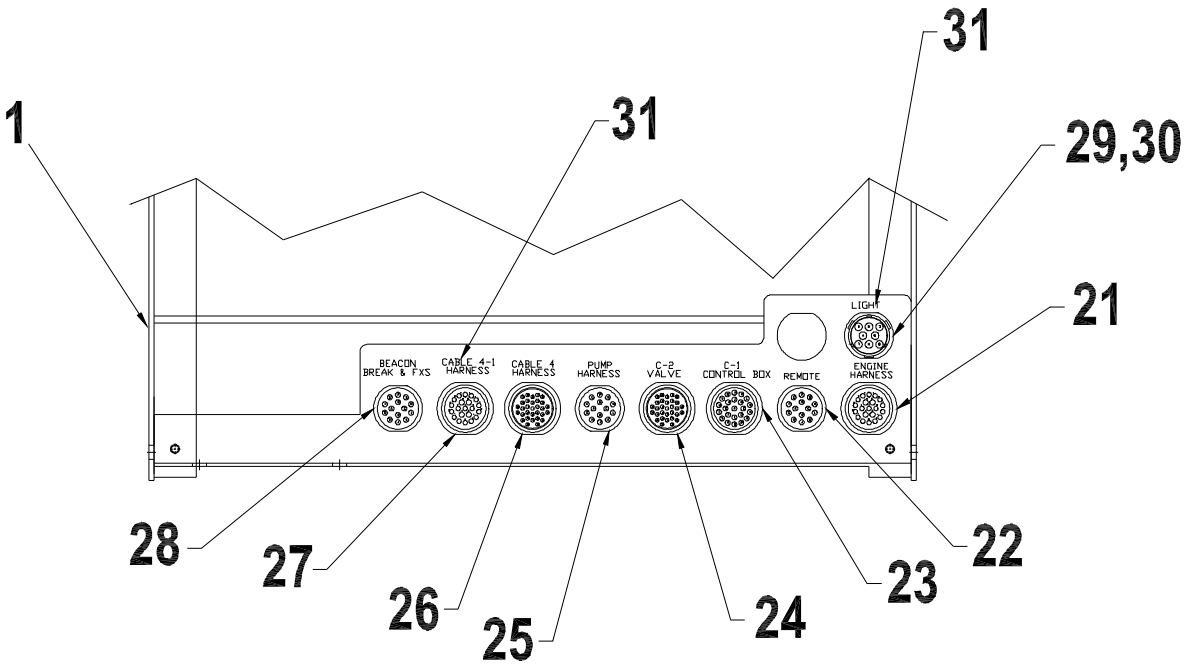
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214769-01	ELECTRICAL SCHEMATIC	1
2	214719-01	OPERATORS CONSOLE ELECTRICAL	1
3	214260-01	STEERING BOX ELECTRICAL ASSEMBLY	REF
4	214568-03	OPERATORS DRIVE CONSOLE ELECTRICAL	1
5	214261-01	RH C-1 CONTROL BOX ASSY.	REF
6	214262-01	LH C-1 CONTROL BOX ASSY.	REF
7	204281-03	BATTERY / ISO SWITCH SUB-ASSY	1
8	214219-01	WIRE HARNESS - JUMPER TO C-1 CONTROL BOX	REF
9	214209-01	WIRE HARNESS - C-2 VALVE STACK	REF
10	214212-01	WIRE HARNESS - PUMP	REF
11	214207-01	WIRE HARNESS - STEERING BOX CABLE 4	REF
12	214216-01	WIRE HARNESS - STEERING BOX CABLE 4	REF
13	214214-02	WIRE HARNESS - FXS, BEACON, BACK-UP, & BRAKE	REF
14	214220-01	WIRE HARNESS - RH C-1 CONTROL BOX	REF
15	214224-02	WIRE HARNESS - C-1 VALVE STACK	REF
16	214222-02	WIRE HARNESS - C-1 CONTROL BOX CROSSOVER	REF
17	214563-03	LIMIT SWITCH W/ WOBBLE SWITCH	1
18	214562-03	LIMIT SWITCH C-2 CLEAN OUT DOOR	1
19	203487-01	WIRE HARNESS - BREAKERS/WASH DOWN	REF
20	214370-01	STROBE LIGHT ASSY.	1
21	89077-04	REVERSING ALARM	1
22	97779-04	ALARM - HORN ELEC. TWIN-TONE 12 V.	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
37	214570-02	KIT - WIRE HARNESS & BOXES	1

CENTER CONSOLE ELECTRICAL ASSEMBLY.

(214719-01)

NEXT PAGE

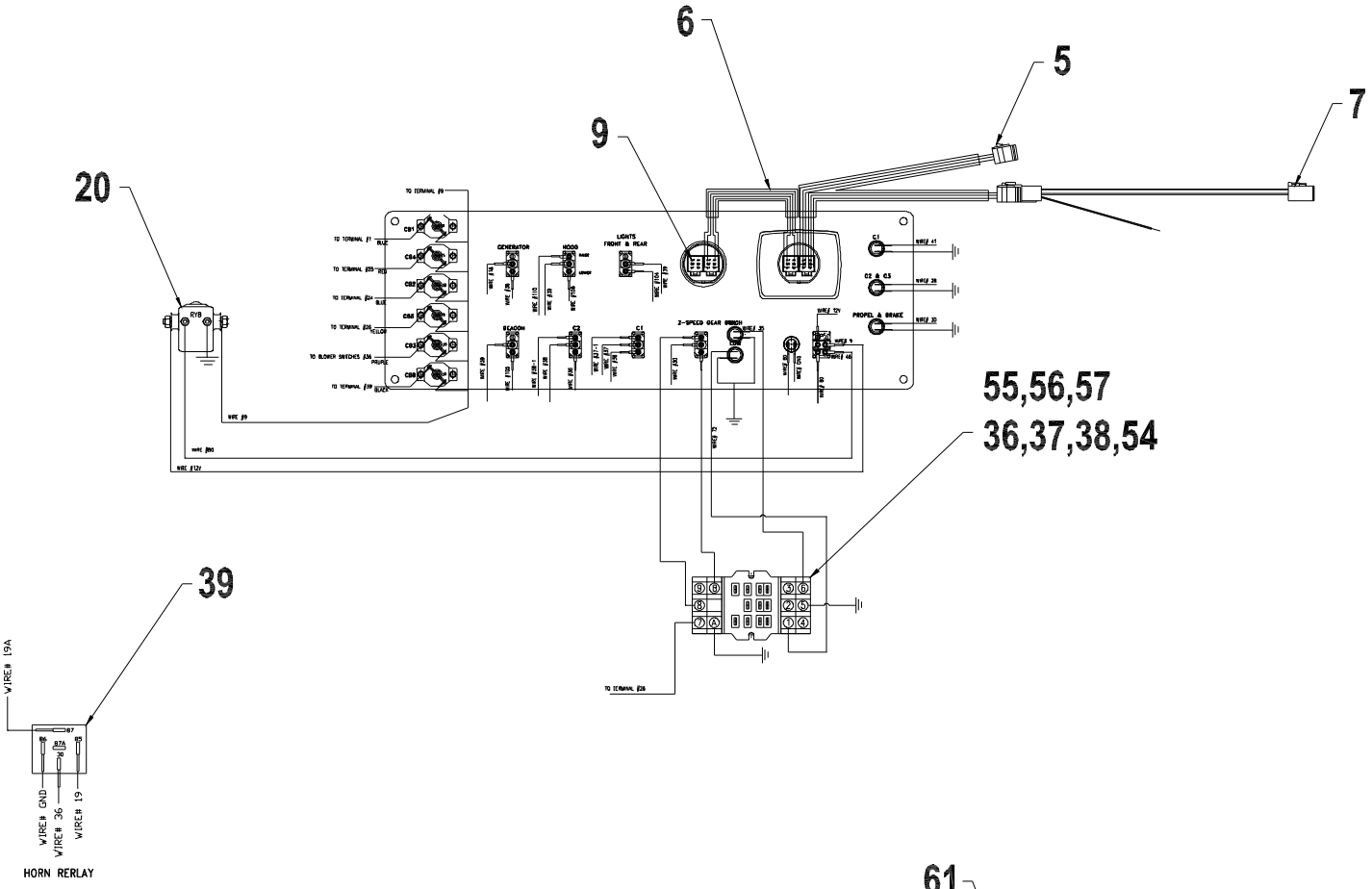


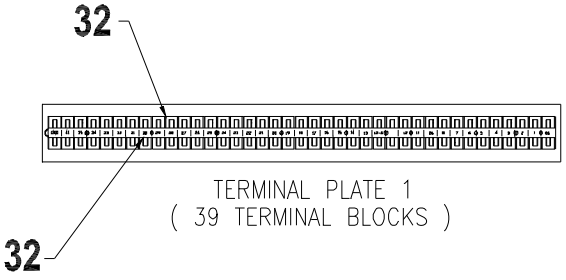


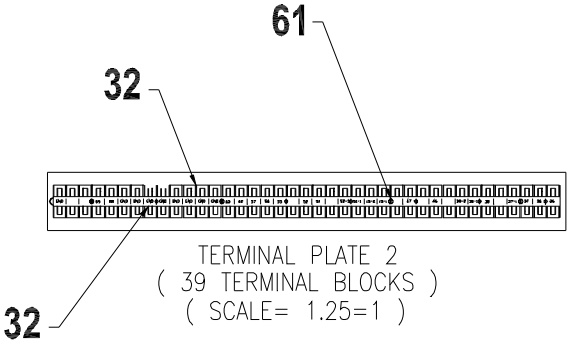
CENTER CONSOLE ELECTRICAL ASSEMBLY.

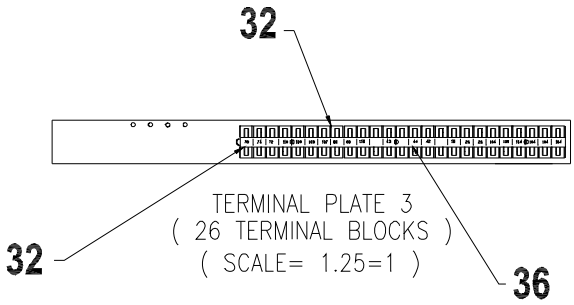
(214719-01)

PREVIOUS PAGE









CENTER CONSOLE ELECTRICAL ASSEMBLY
(214719-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	213980-01	CENTER CONSOLE WLDMT.	1
2	214717-02	CENTER CONSOLE COMPONENT PLATE	1
3	214718-02	DATA PLATE - CENTER CONSOLE	1
4	207662-03	GAUGE - DISPLAY & DIAGNOSTIC	1
5	207719-03	WIRE HARNESS - POWER & CAM	1
6	207716-03	WIRE HARNESS - JUMPER 9"	1
7	207717-03	WIRE HARNESS - POWER VIEW	1
8	207664-03	GAUGE - TACHOMETER	1
9	207668-04	POWER VIEW JUMPER TERM RESISTOR	1
10	13E68	TOGGLE SWITCH	3
11	139471	TOGGLE SWITCH	2
12	20P56	TOGGLE SWITCH	2
13	87311-04	TOGGLE SWITCH	1
14	80448-04	LIGHT - GREEN JEWEL LENS	6
15	128180	LIGHT - BULB 12 V. 127SB5	6
16	80449-04	LIGHT - SOCKET	6
17	90089	CIRCUIT BREAKER 20 AMP	2
18	13A04	CIRCUIT BREAKER 15 AMP	2
19	92523-04	CIRCUIT BREAKER - 30 AMP	2
20	135727-04	POWER RELAY 12 VDC 65 AMP	1
21	215367-03	PIG TAIL - ENGINE	REF
22	214210-02	PIG TAIL - REMOTE START	REF
23	214218-02	PIG TAIL - C-1 CONTROL BOX	REF
24	214208-02	PIG TAIL - C-2 VALVE STACK	REF
25	214211-02	PIG TAIL - PUMPS	REF
26	214206-02	PIG TAIL - STEERING BOX CABLE 4	REF
27	214215-02	PIG TAIL - STEERING BOX CABLE 4-1	REF
28	214213-02	PIG TAIL - FXS, BEACON, BACK-UP ALARM, & BRAKE	REF
29	214311-03	PIG TAIL - FRONT & REAR LIGHTS	REF
30	212815-04	DEUTSCH CAP - SIZE 16	1
31	214266-04	DECAL KIT - DEUTSCH PLUG	1
32	145671-02	DATA PLATE KIT - TERMINAL ID STRIPS	1
33	138601-03	DECAL - ALUM. NO. STICKERS	1
34	13C69	TERMINAL BLOCK	103
35	97976	ADHESIVE MOUNT	46
36	96776X	RELAY - LATCHING DPDT	1
37	96777	RELAY - BASE	1
38	96777-C1	CLIP KIT	1
39	121746-04	RELAY - BOSCH 12V	1
40	93253	WIRE - TERM. RING # 16 GA. (NOT SHOWN)	20
41	90554	WIRE - RING TERMINAL # 10	20
42	28Y52	TERMINAL - FEM. NON-INSUL. .250	30
43	93986	WIRE - # 8 TERM. # 10 POST (NOT SHOWN)	3
44	121538	WIRE - INSUL. FEM. CONN. (NOT SHOWN)	2
45	90553	WIRE - RING TERMINAL 1/4	2
46	93988	STUD - 10 AWG 5/16 (NOT SHOWN)	3
47	128219	WIRE - RING TERMINAL	4
48	97735	WIRE - FEM. INSUL. SPADE TERMINAL	6
49	121539	MALE CONNECTOR (NOT SHOWN)	3
50	98319	WIRE - FEM. SPADE TERMINAL	10

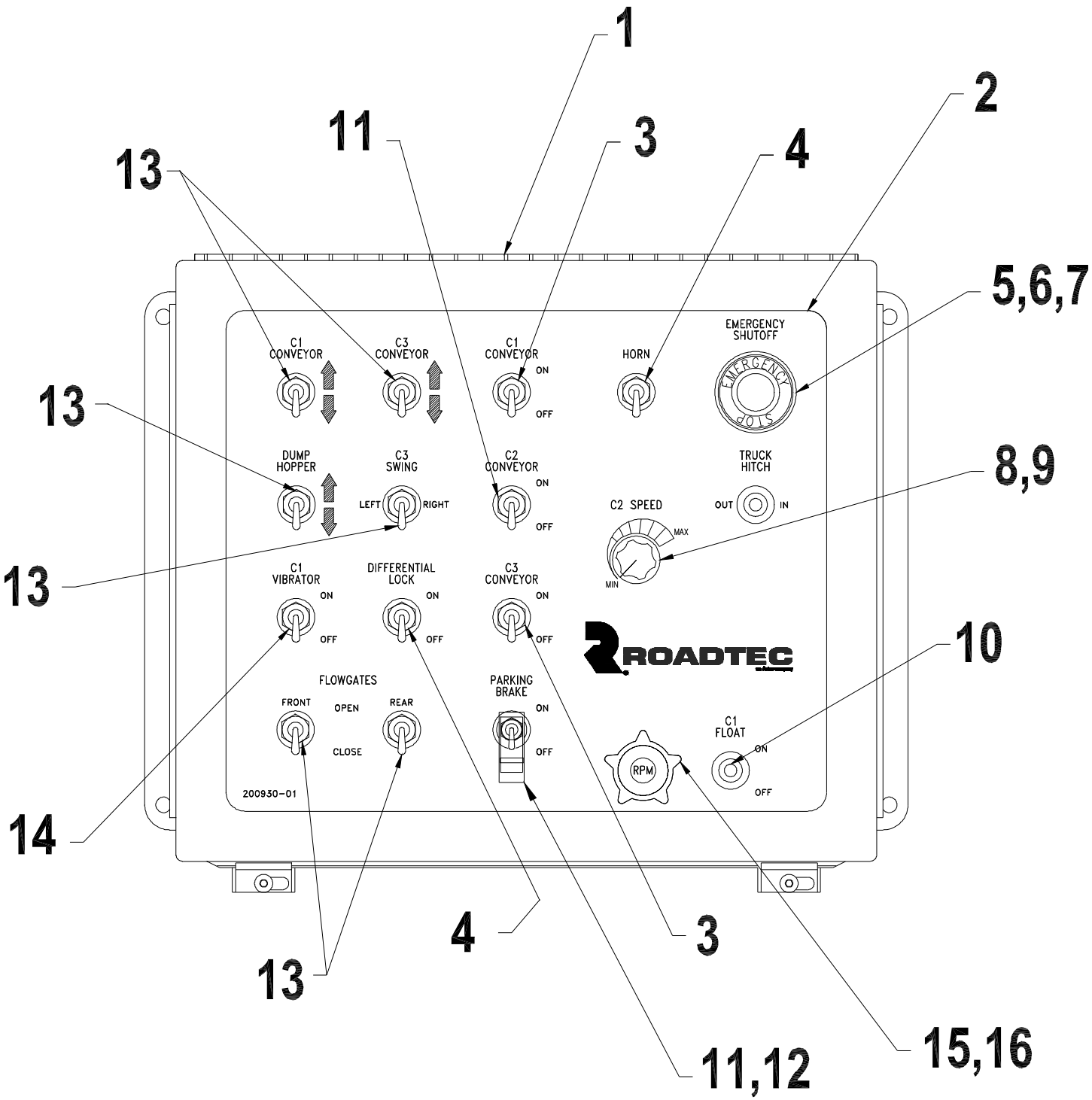
CENTER CONSOLE ELECTRICAL ASSEMBLY
(214719-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	83856-04	WIRE TIE - 3/16" X 4" NYLON	57
52	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	43
53	83657-04	WIRE TIE - 3/16" X 7" NYLON	12
54	O6996	SCREW - M3 - 0.5 X 20	3
55	O4762	NUT - M3 - 0.5	3
56	92554	FLAT WASHER - #6	3
57	131551	LOCK WASHER - #6	3
58	O1290	SCREW, SLOT HD. M4 X 10 X 84 mm	2
59	45092	NUT, LOCK VM4-0.7 / 890 BN 169	2
60	O1073	HEX BOLT - M6-1 X 70 (FOR ECM)	4
61	135807-04	SCREW 10 - 23 X 1"	12
62	90101	SCREW 10 - 23 X 3/4"	12
63	90102	NUT, HEX 10 - 32	12
64	92552	FLAT WASHER # 10	24
65	90103	LOCK WASHER # 10	12
66	96476	HEX BOLT - 3/8-16 X 1 1/4 (FOR ECM)	3
67	83757	FLAT WASHER - 3/8 (FOR ECM)	3
68	83065	LOCK WASHER - 3/8 (FOR ECM)	3

STEERING BOX ELECTRICAL ASSEMBLY.

(214260-01)

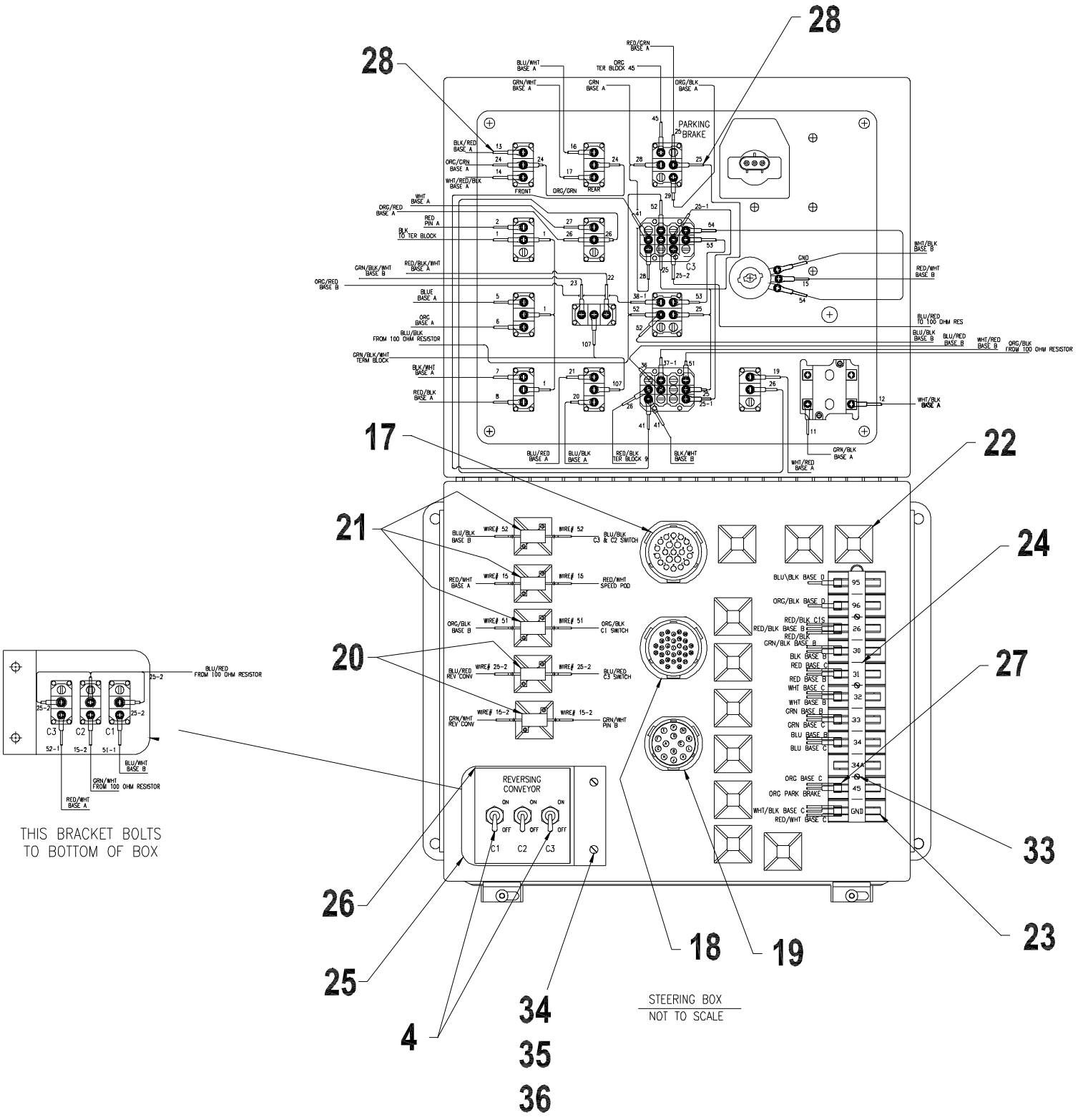
NEXT PAGE



STEERING BOX ELECTRICAL ASSEMBLY.

(214260-01)

PREVIOUS PAGE



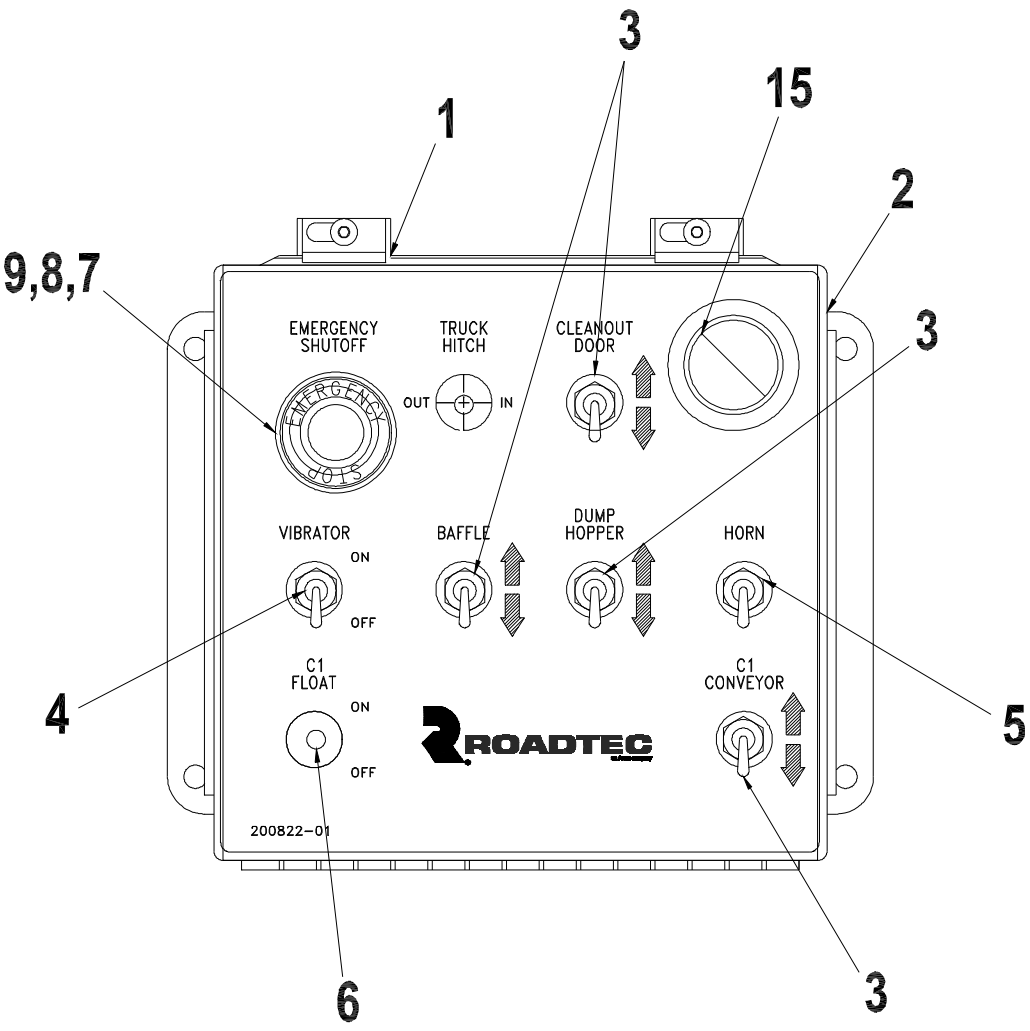
STEERING BOX ELECTRICAL ASSEMBLY
(214260-01)

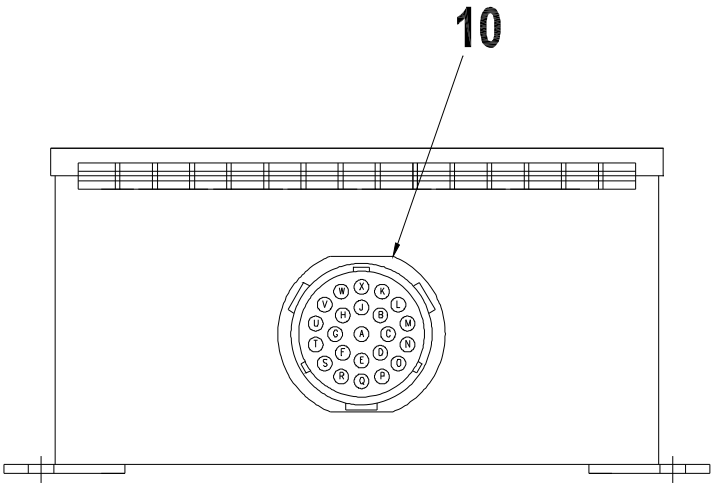
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	214191-01	STEERING CONTROL BOX	1
2	214324-02	DATA PLATE - STEERING CONTROL BOX	1
3	20Z53	SELECTOR SWITCH	2
4	97542	TOGGLE SWITCH	5
5	93215-04	SWITCH - EMERGENCY STOP	1
6	93250-04	EMERGENCY STOP CONTACT BLOCK	1
7	93251-04-C3	EMERGENCY STOP BUTTON	1
8	130406	ROTARY 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)

NEXT PAGE

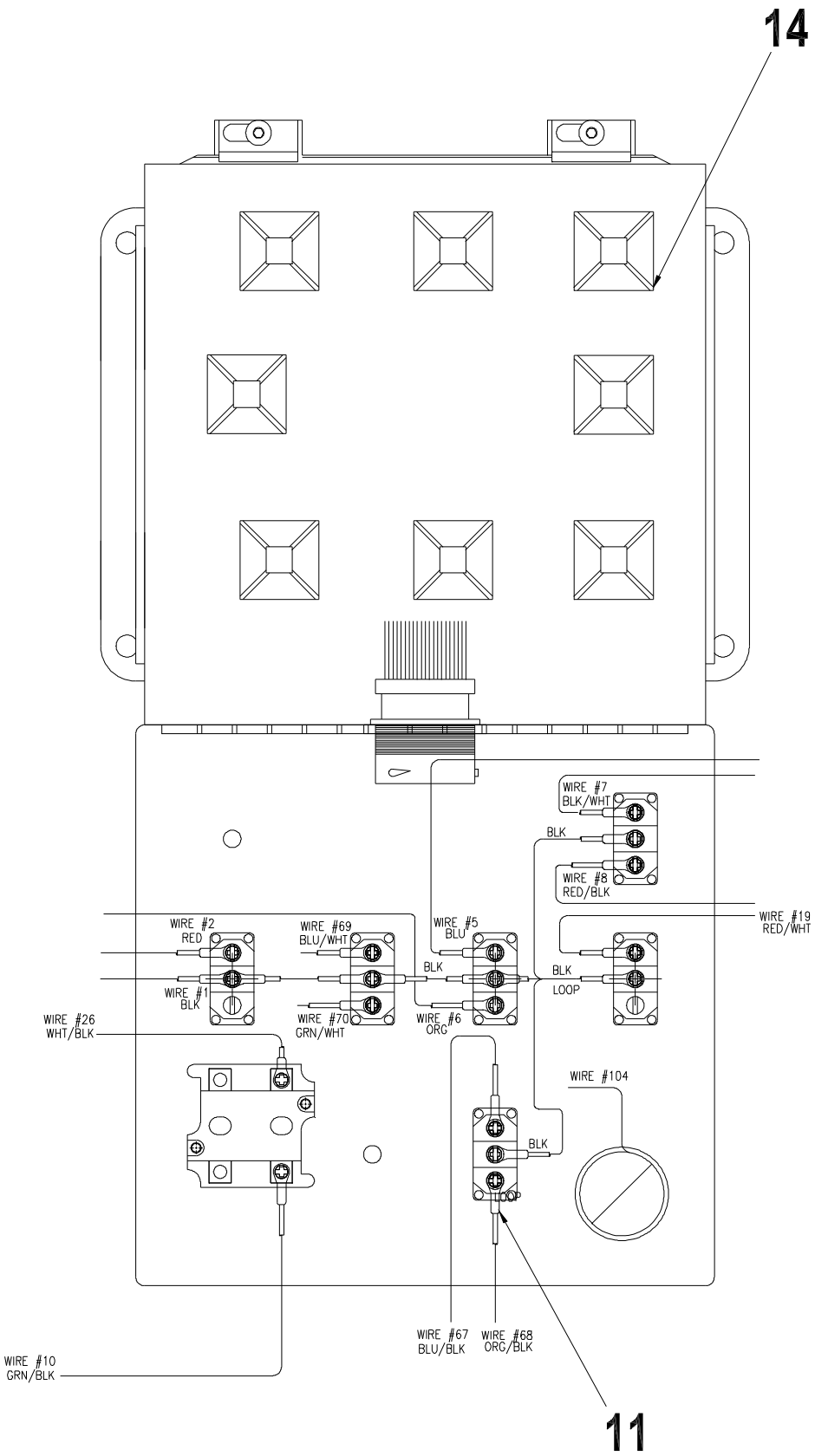




L.H. C-1 CONTROL BOX ASSEMBLY.

(214262-01)

PREVIOUS PAGE



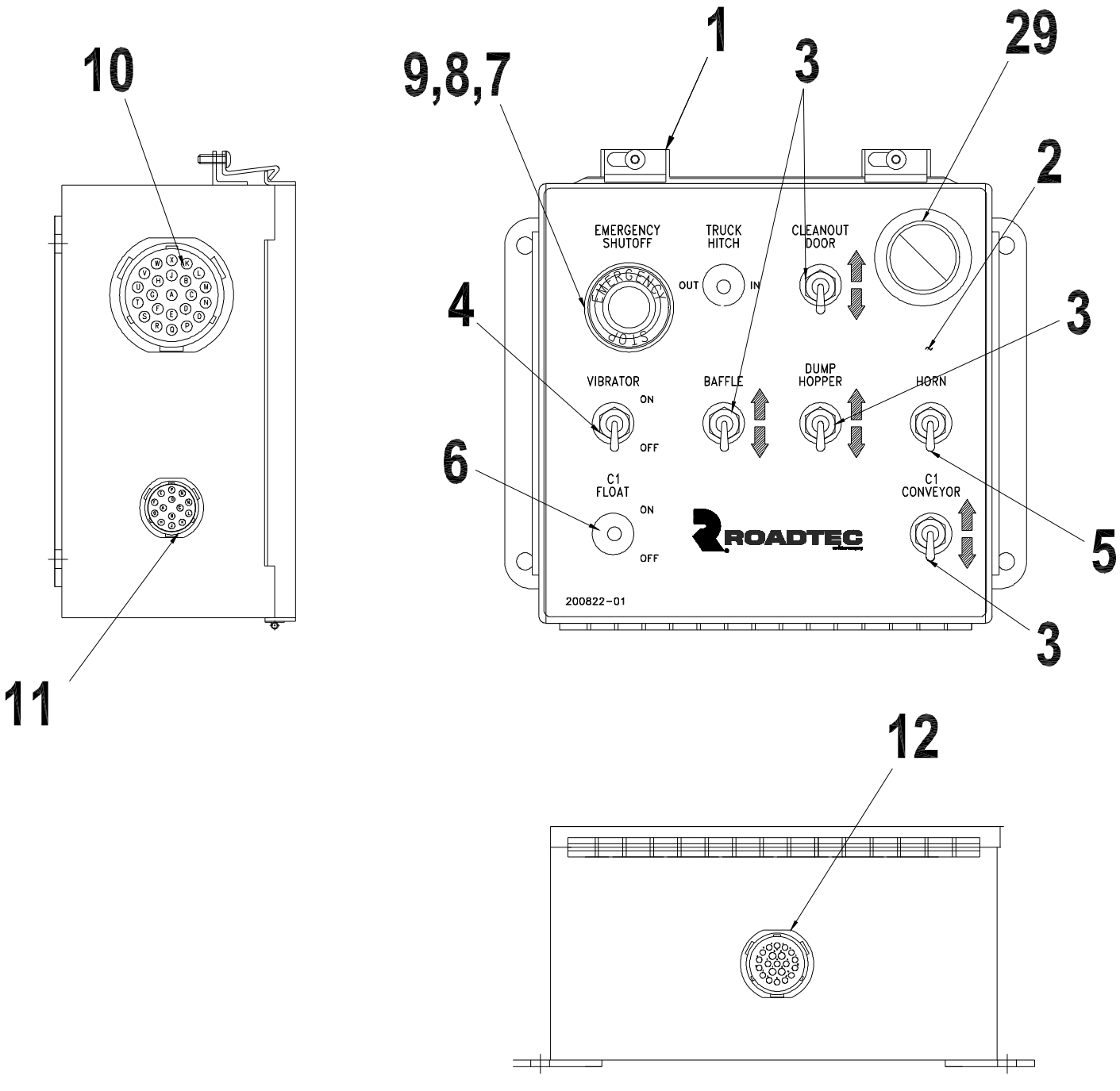
L.H. C-1 CONTROL BOX ASSEMBLY
(214262-01)

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

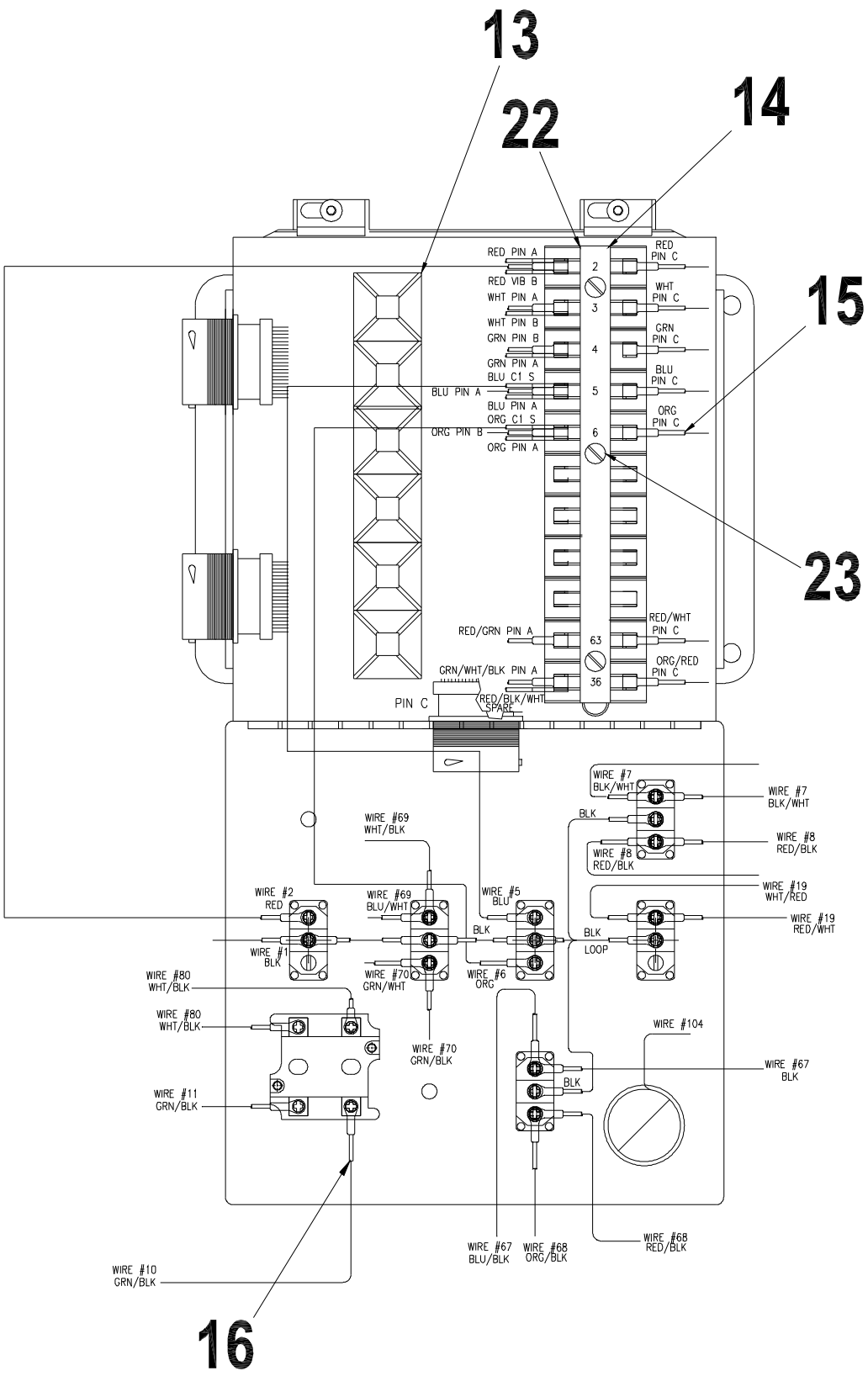
R.H. C-1 CONTROL BOX ASSEMBLY.

(214261-01)

NEXT PAGE



PREVIOUS PAGE

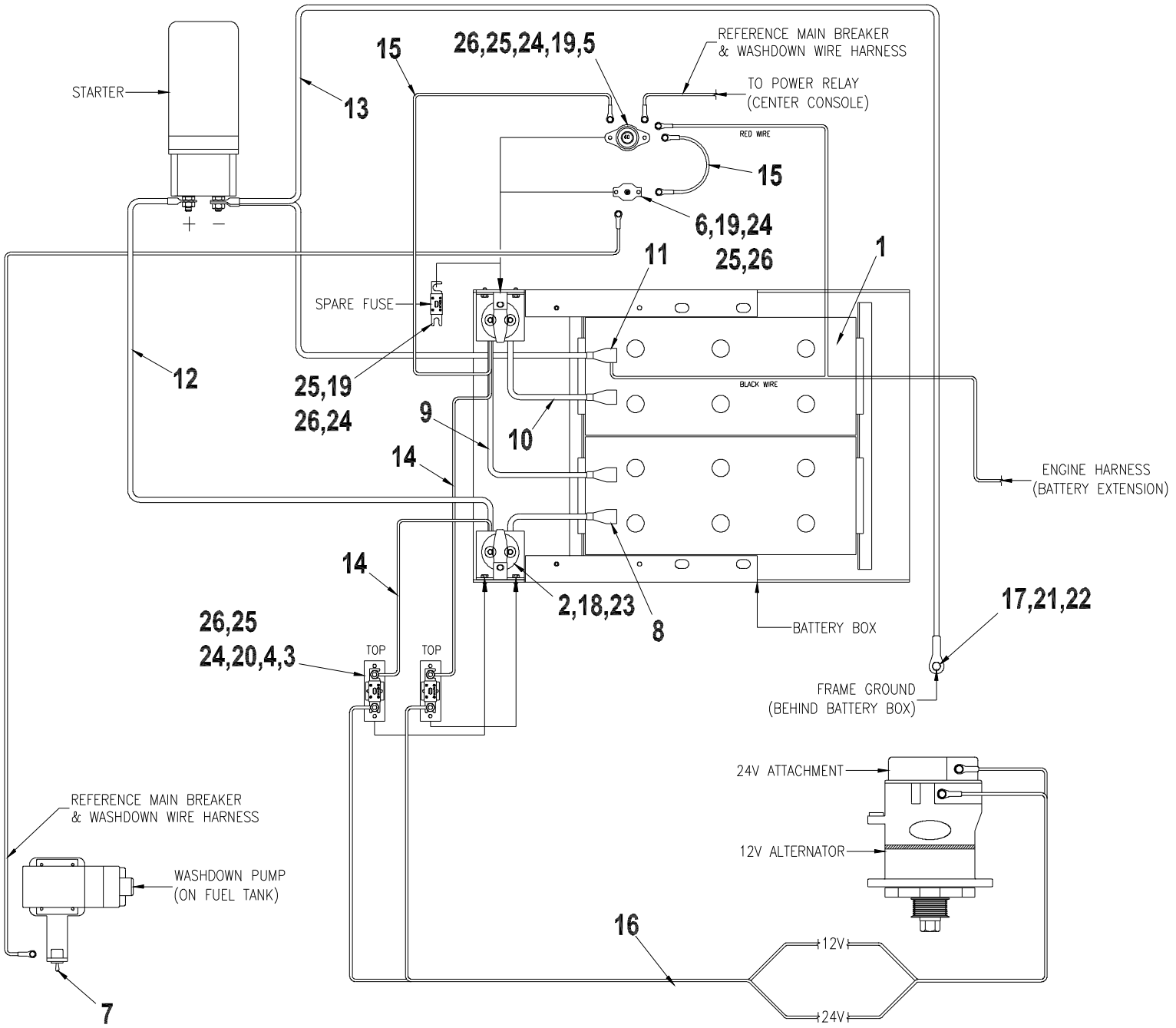


R.H. C-1 CONTROL BOX ASSEMBLY
(214261-01)

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)

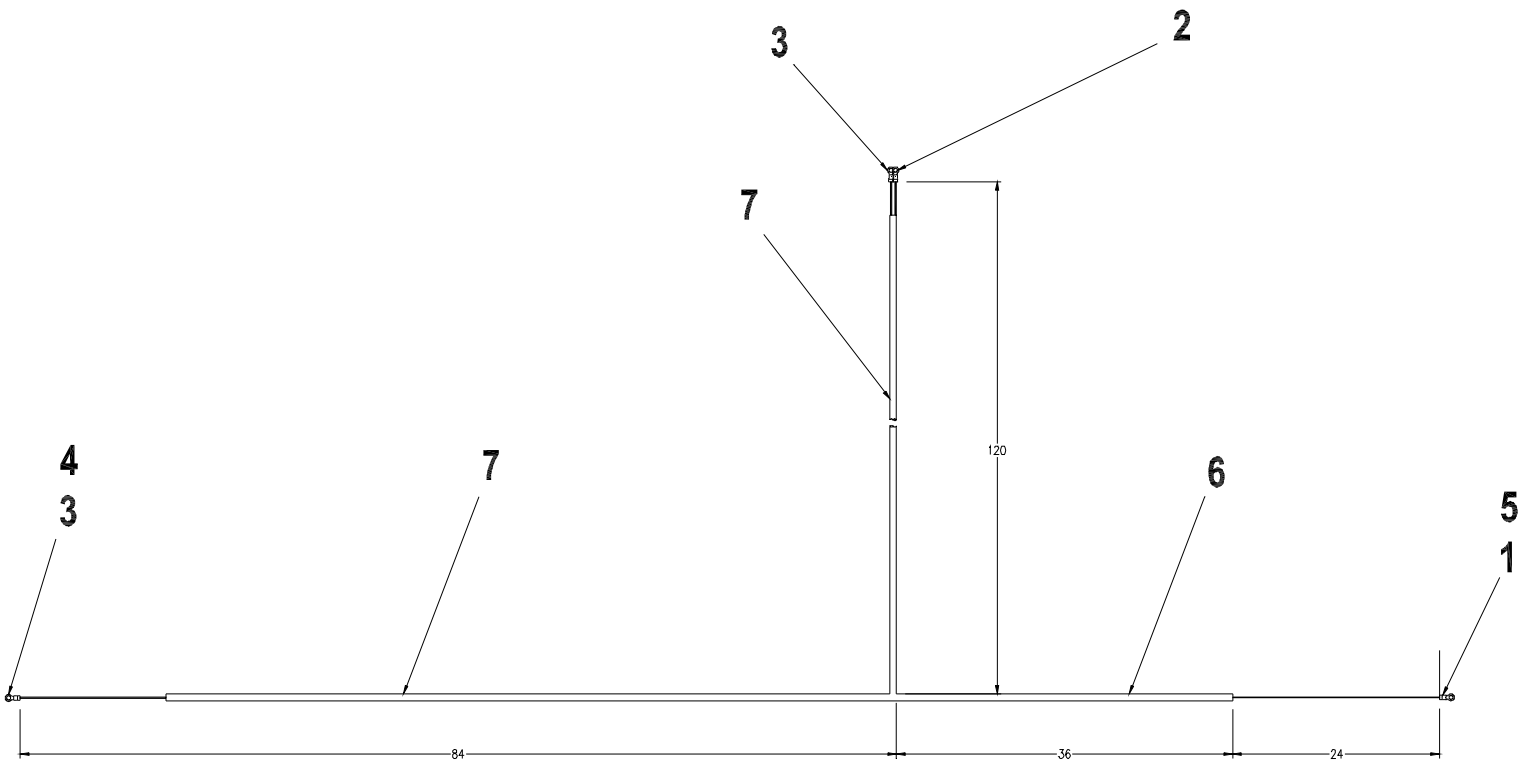


BATTERY / ISO SWITCH ASSEMBLY
(204281-03)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	11S35	BATTERY - WET CHARGED 4D - 12V	2
2	130644	BATTERY ISOLATION SWITCH	2
3	146264-04	BASE - FUSABLE LINK	2
4	146263-04	FUSIBLE LINK - 100 AMP	3
5	20Z54	CIRCUIT BREAKER - 60 AMP	1
6	90930-04	CIRCUIT BREAKER - 40 AMP	1
7	13E68	TOGGLE SWITCH - ON/OFF	1
8	203703-04	CABLE - BATTERY (+) TO ISO SWITCH (24V)	1
9	146128-04	CABLE - BATTERY (-) TO ISO SWITCH	1
10	146125-04	CABLE - BATTERY (+) TO ISO SWITCH (12V)	1
11	203707-04	CABLE - BATTERY (-) TO STARTER	1
12	203708-04	CABLE - ISO SWITCH TO STARTER	1
13	203709-04	CABLE - STARTER TO MACHINE GROUND	1
14	146298-04	CABLE - FUSEABLE LINK TO ISO SWITCH	1
15	146130-03	WIRE HARNESS - 60 AMP BREAKER	1
16	146132-03	WIRE HARNESS - ALTERNATOR	1
17	84332	HEX BOLT - 3/8-16 X 1 GR8	1
18	83114	HEX BOLT - 1/4-20 X 1/2 GR8	4
19	135807-04	SLOTTED HD. SCREW - 10-32 X 1	6
20	90101	SLOTTED HD. SCREW - 10-32 X 3/4	4
21	83056	LOCKWASHER - 3/8 SPRING STEEL	1
22	139702-04	STAR WASHER - 3/8 ID/OD	1
23	83065	WASHER - 1/4-20 SPRING STEEL	4
24	92552	FLAT WASHER - #10 STEEL	22
25	90103	LOCKWASHER - #10	10
26	90102	HEX NUT - 10-32	12
27	138409-04	HOLE PLUG - 7/8" DIA. (NOT SHOWN)	1

MAIN BREAKER & WASHDOWN HARNESS

(203487-01)



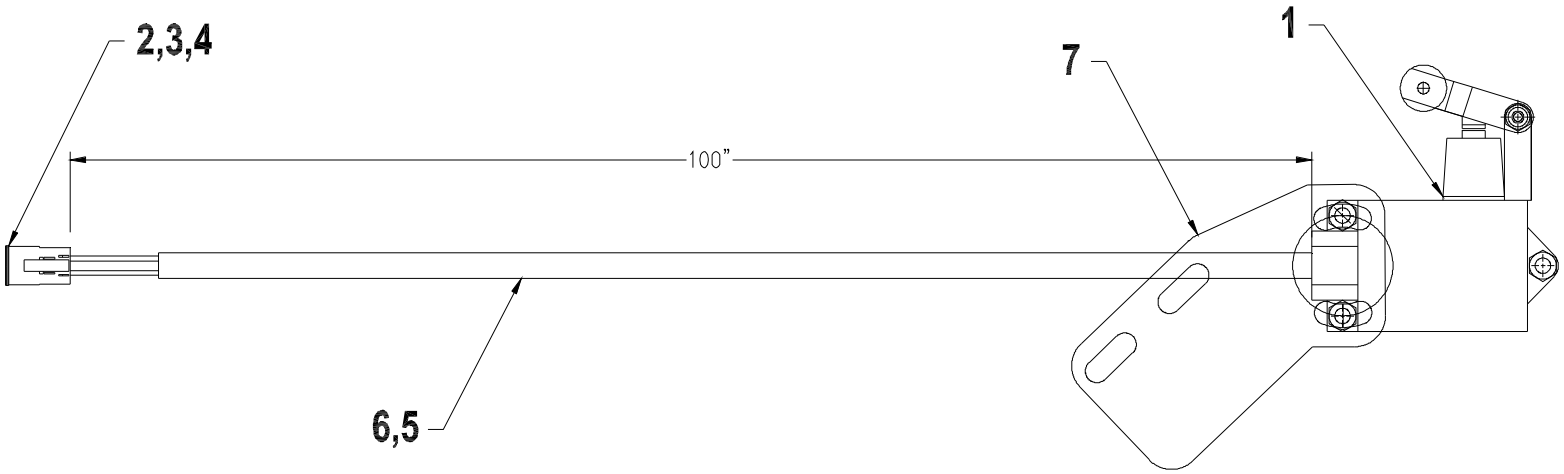
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93988	5/16 RING TERMINAL	1
2	128218	1/4 RING TERMINAL	1
3	93986	RING TERMINAL #10	2
4	95018	WIRE - 8 AWG BLACK	204"
5	95018	WIRE - 8 AWG RED	180"
6	95021	SPLIT LOOM - 1/4"	60"
7	95799	SPLIT LOOM - 3/8"	204"

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

ROADTEC an Astec company

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

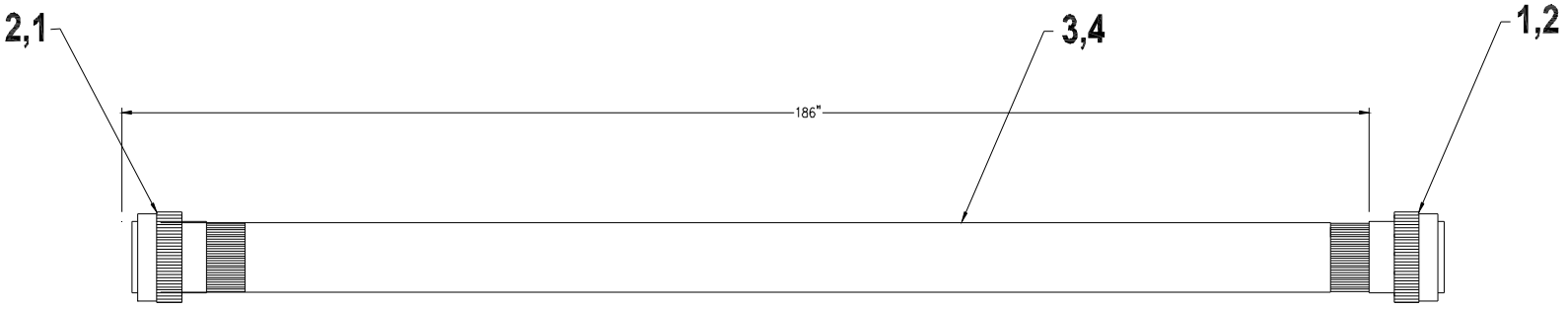
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	92023-04	LIMIT SWITCH RIGHT HAND	1
2	206399-04	DEUTSCH 2 PIN PLUG	1
3	133746-04	DEUTSCH SOCKETS 16 AWG	2
4	206402-04	DEUTSCH LOCKING WEDGE	1
5	84316-04	WIRE - 2 CONDUCTOR 16 AWG	104"
6	95021	SPLIT LOOM - 1/4"	94"
7	148168-04	LIMIT SWITCH BRACKET C-2 CLEAN OUT 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			

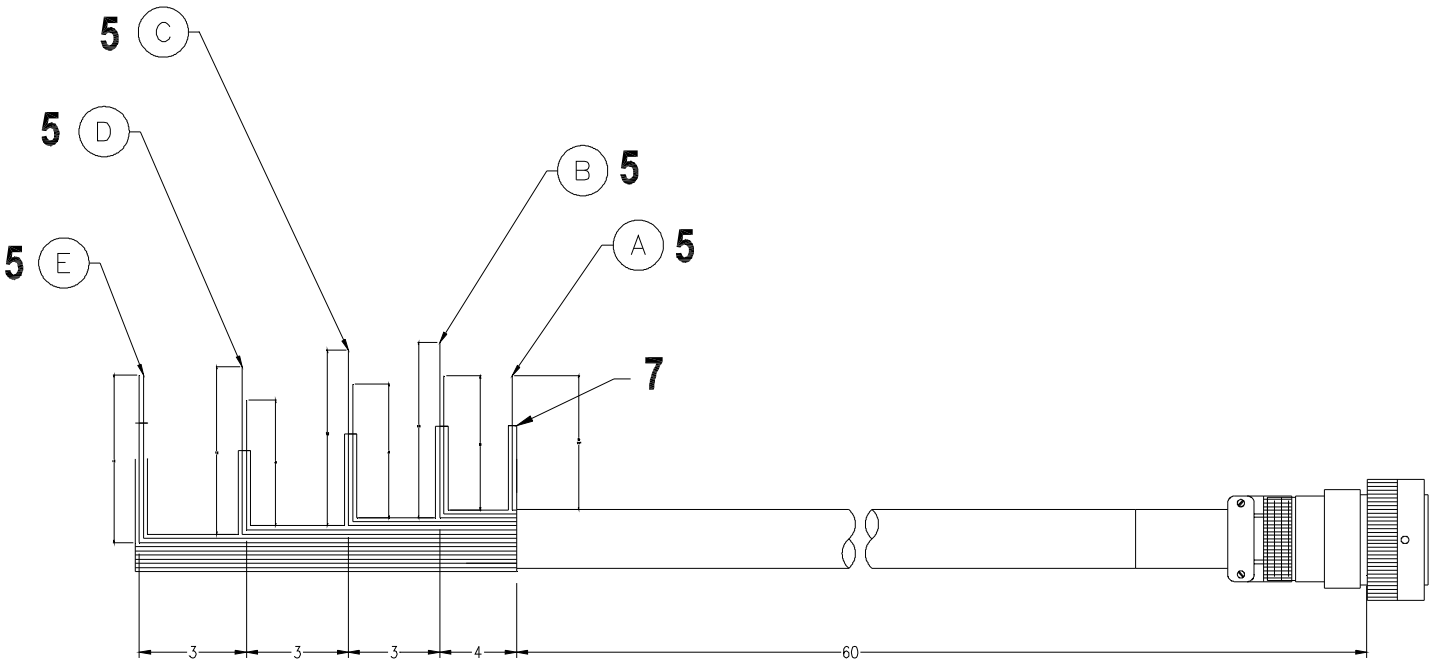
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211953-04	DEUTSCH 23 PIN PLUG W/ CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	38
3	133741-01	DEUTSCH SEALING PLUG	8
4	84320-04	WIRE 16 AWG 19 CONDUCTOR	186"
5	98298	SPLIT LOOM - 1"	186"

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

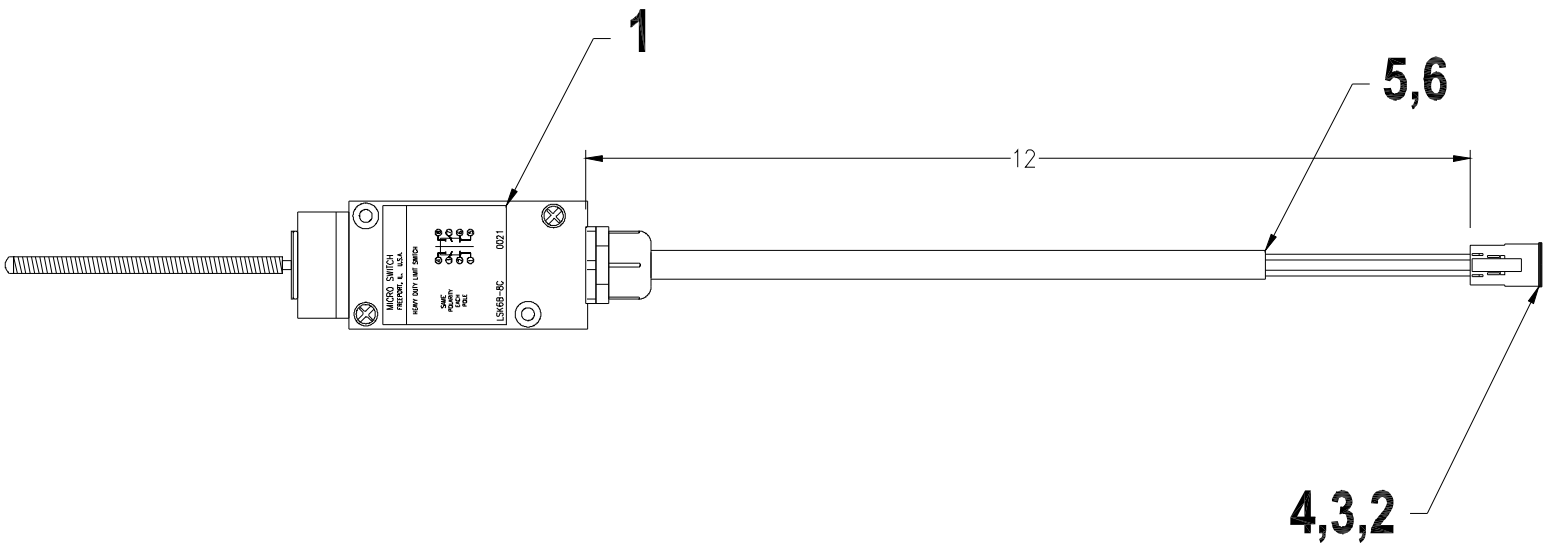
14 PIN LAY-OUT DETAIL

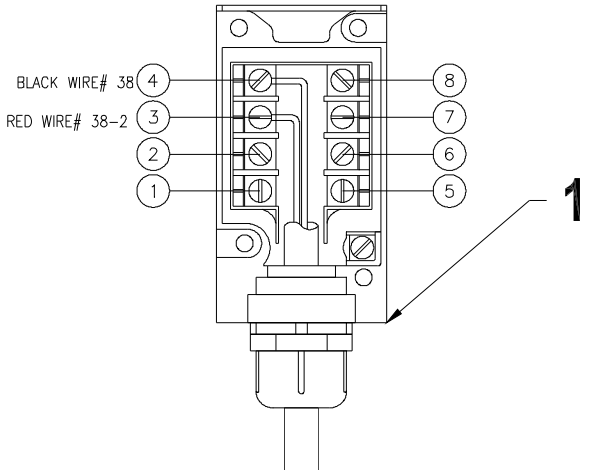
PIN	COLOR	WIRE #
A	GREEN	4
B	RED	
C	WHITE	3
D	BLACK	2
E	WHITE/BLACK	69
F	ORANGE	6
G	BLUE	5
H	BLUE/WHITE	
J	RED/WHITE	65
K	BLACK/WHITE	66
L	BLUE/BLACK	67
M	ORANGE/BLACK	
N	GREEN/BLACK	70
P	RED/BLACK	68

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

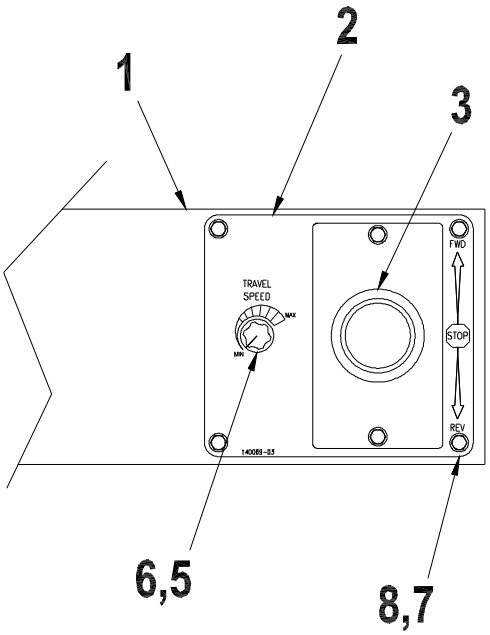
KEY	COLOR	WIRE #	LIMIT SWITCH #
1	RED	38-2	3
2	BLACK	38	4

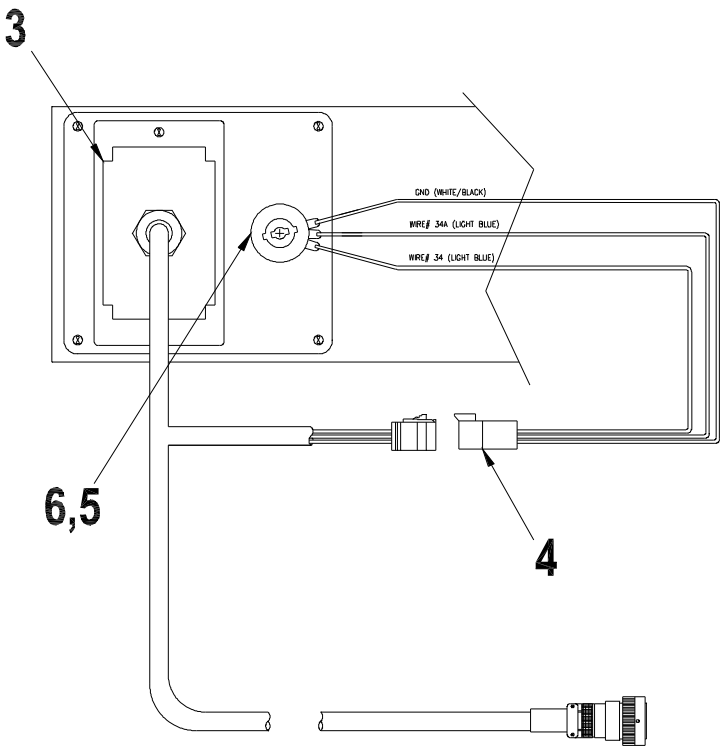
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145215-04	LIMIT SWITCH W/ WOBBLE LEVER (DPDT)	1
2	206399-04	DEUTSCH 2 PIN PLUG	1
3	133746-04	DEUTSCH SOCKETS 16 AWG	2
4	206402-04	DEUTSCH LOCKING WEDGE	1
5	84316-04	WIRE - 2 CONDUCTOR 16 AWG	12"
6	95021	SPLIT LOOM - 1/4"	8"

ASSY. 214282-03 REV. 9/05

ROADTEC an Astec company

OPERATOR DRIVE CONSOLE
(214568-03)

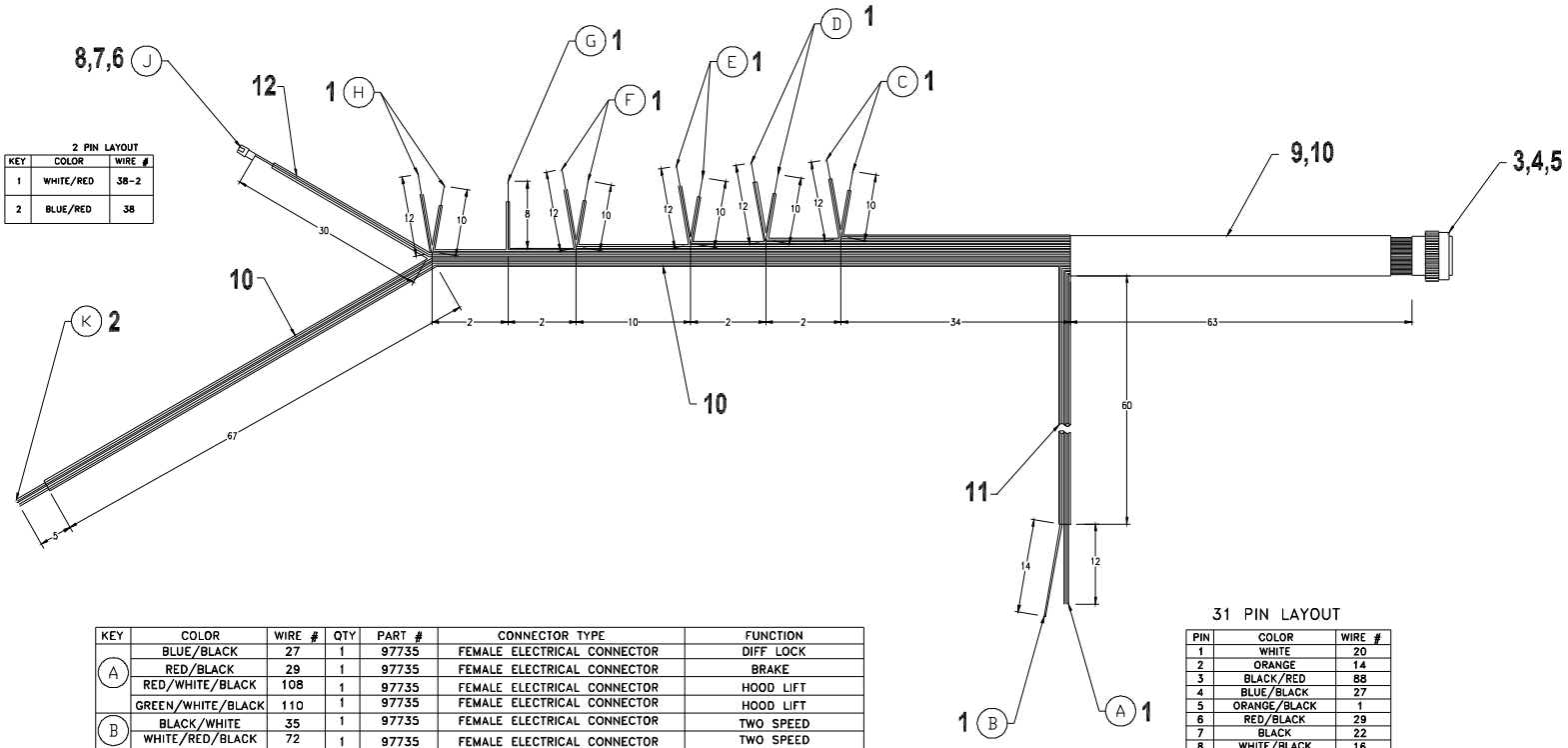




REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1		OPERATOR MAIN CONSOLE WLDMT.	REF
2	200985-03	DECAL - OPERATOR DRIVE CONSOLE BOX	1
3	214567-02	JOYSTICK ASSY.	1
4	214542-03	WIRE HARNESS - ROTARY POT OPERATOR DRIVE	REF
5	130406	ROTARY POT 25 WATT 100 OHM	1
6	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
7	133842	HEX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

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

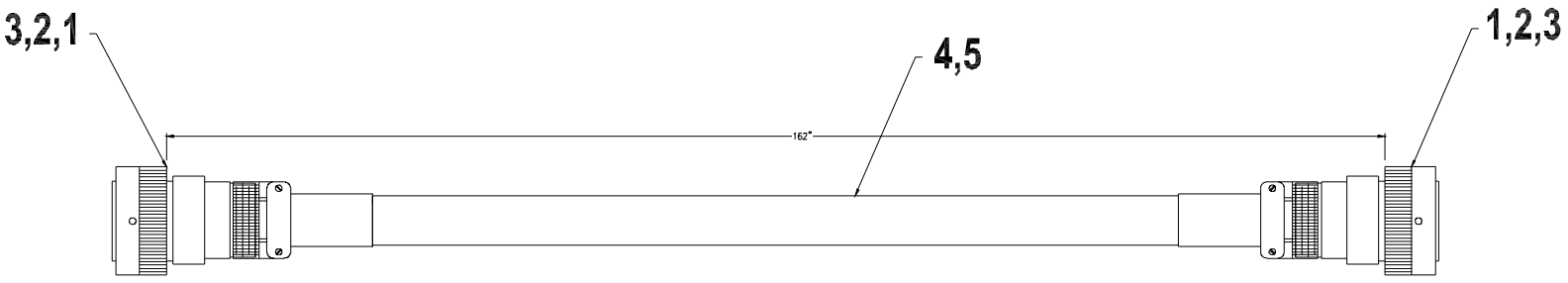
PIN	COLOR	WIRE #
1	WHITE	20
2	ORANGE	14
3	BLACK/RED	88
4	BLUE/BLACK	27
5	ORANGE/BLACK	1
6	RED/BLACK	29
7	BLACK	22
8	WHITE/BLACK	16
9	RED	23
10	BLUE	13
11	ORANGE/RED	89
12	GREEN	21
13	WHITE/RED	38-2
14	BLUE/WHITE	88
15	GREEN/WHITE	89
16	RED/WHITE	18
17	BLACK/WHITE	35
18	GREEN/BLACK	17
19	RED/BLACK/WHITE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

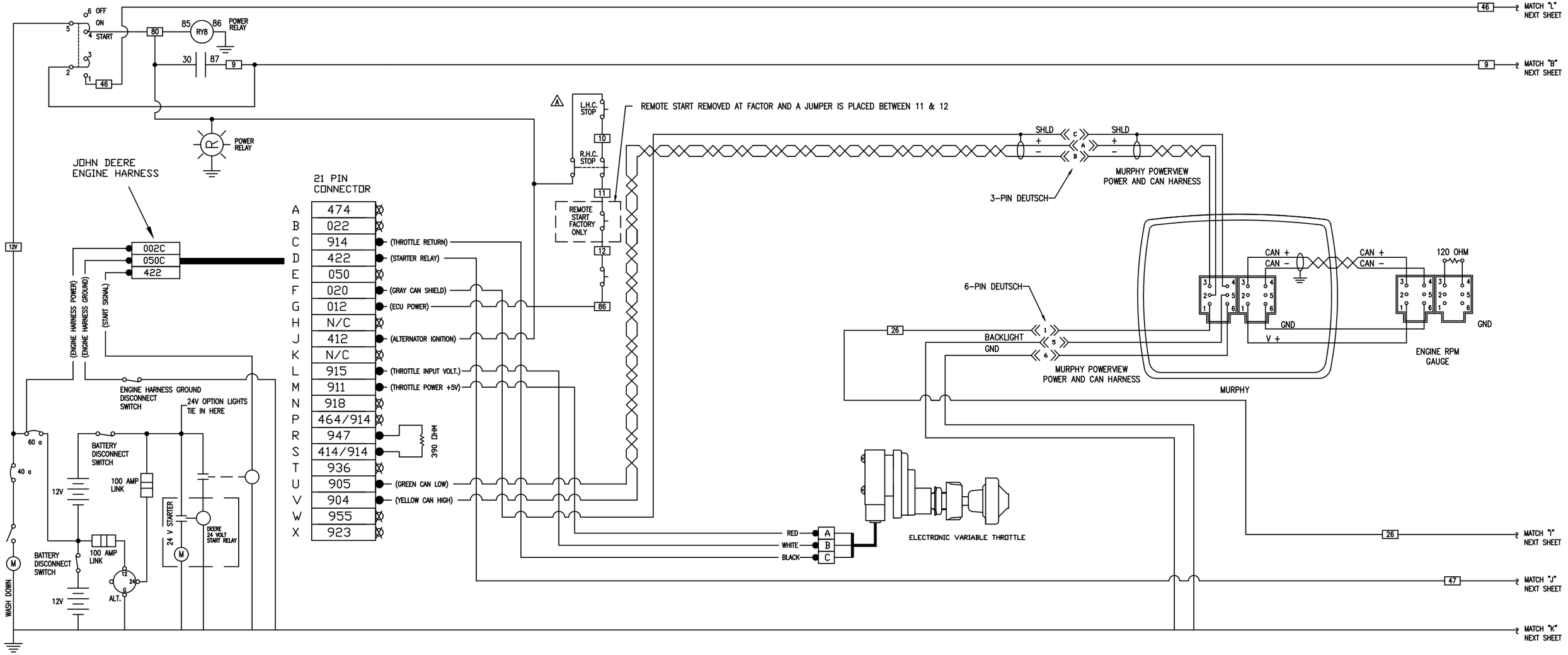
	PIN	COLOR	WIRE #
	A	WHITE	3
*	B		
	C	BLACK/WHITE	19
*	D		
*	E		
	F	BLACK	GND
*	G		
	H	WHITE/BLACK	80
	J	RED	1
	K	BLUE	5
	L	ORANGE/BLACK	104
	M	GREEN	4
	N	BLUE/BLACK	2
	P	GREEN/WHITE	11
	R	ORANGE	6
	S	GREEN/BLACK	63
	T	RED/BLACK	8
	U		
	V		
	W	BLUE/WHITE	7
	X	RED/WHITE	36

*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)

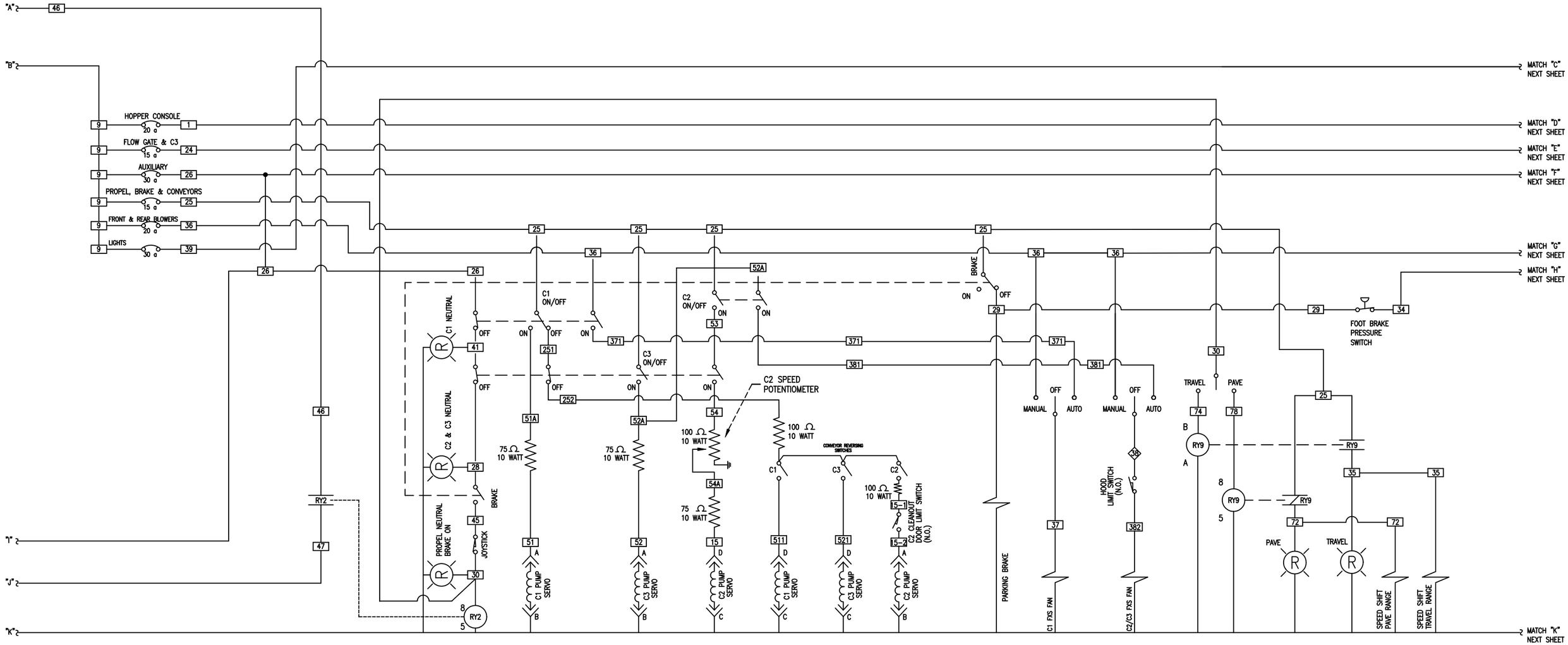
THIS DWG REPLACES 214576-01

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

REV.	SN#	DATE	ISSUES	BY
A	~	2-16-06	CLARIFIED NEUTRAL START CIRCUIT	KDM

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C
1 REQ'D PER: SB2500C
SHEET NO: 1 OF 4
FAB CODE: 603
EFFECTIVE S/N: 824
DRAWN BY: JW
TOTAL WT. (LBS):
DWG NO: 214769-01
REV: A
SCALE: 1=1
DATE: 10-31-05

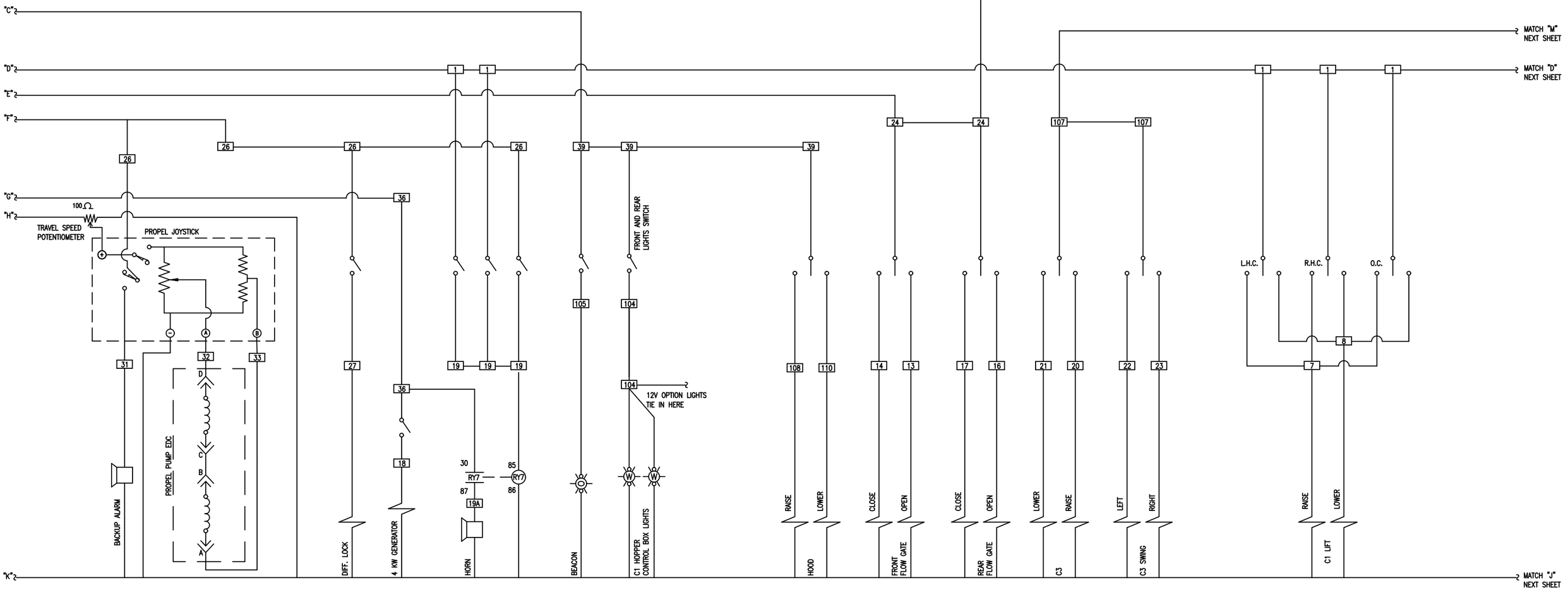


all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C			
1 REQ'D PER: SB2500C	SHEET NO: 2 OF 4	FAB CODE: 603	EFFECTIVE S/N: 824
DRAWN BY: JW	TOTAL WT. (LBS):	DWG NO: 214769-01	REV: A
SCALE: 1=1	DATE: 10-31-05		



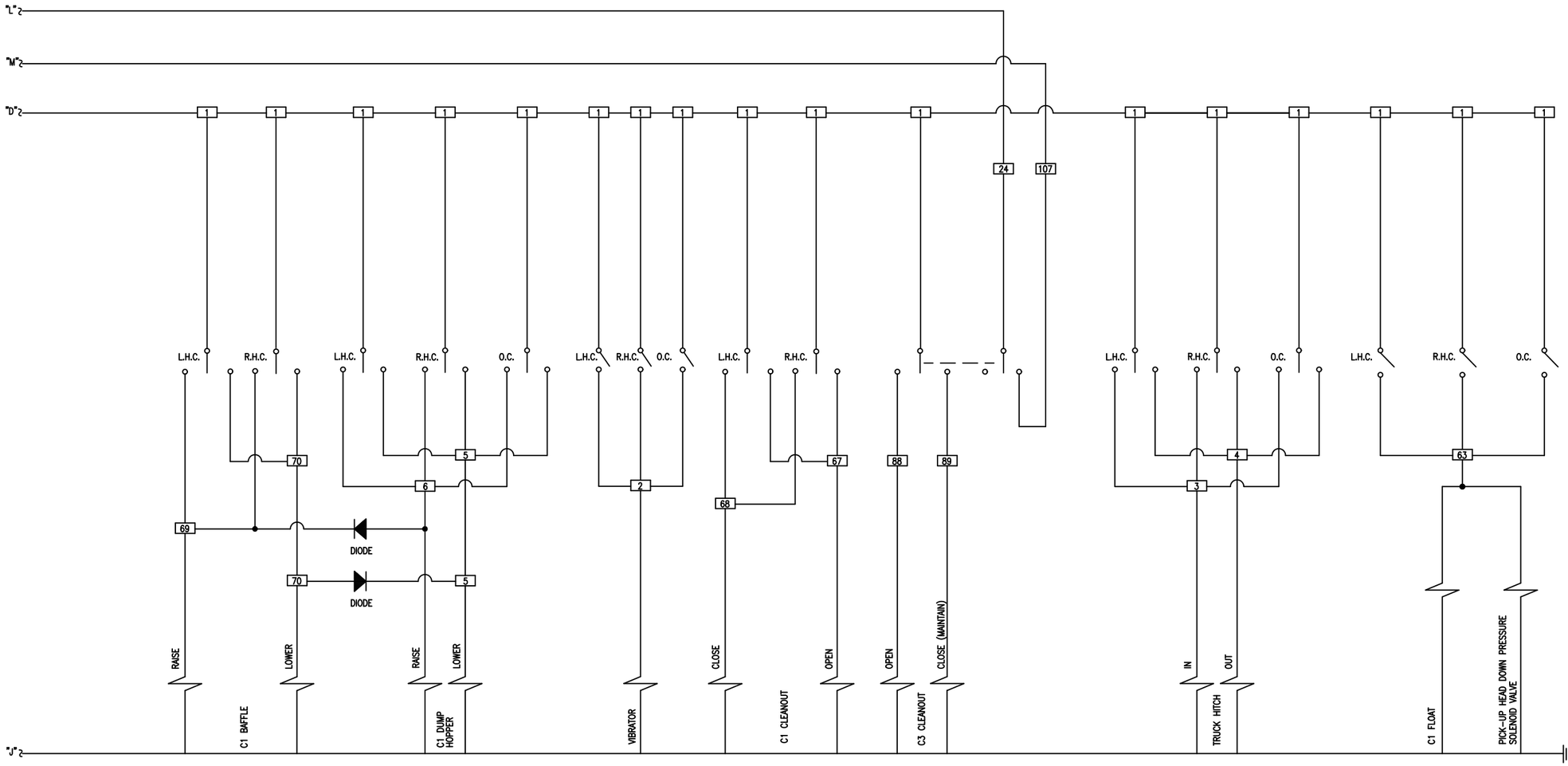
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C

1 REQ'D PER SB2500C	SHEET NO 3 OF 4	FAB CODE 603	EFFECTIVE S/N 824
DRAWN BY JW	TOTAL WT. (LBS)	DWG NO 214769-01	REV. A
SCALE 1=1	DATE 10-31-05		



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

REV.	SN#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500C

1 REQ'D PER SB2500C | SHEET NO 4 OF 4 | FAB CODE 603 | EFFECTIVE S/N 824

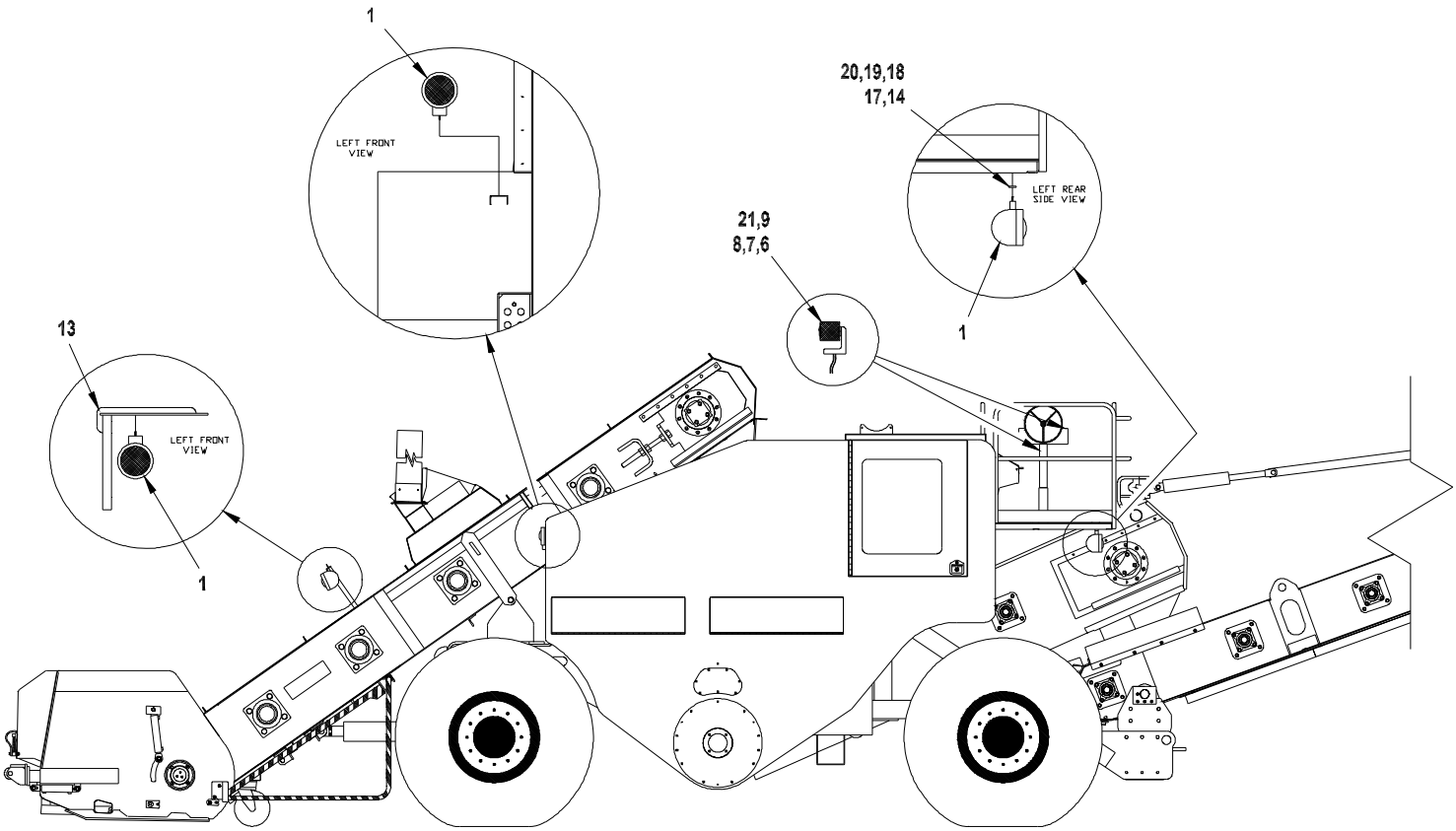
DRAWN BY JW | TOTAL WT. (LBS) | DWG NO 214769-01 | REV. A

SCALE 1=1 | DATE 10-31-05

SECTION 6 : OPTIONAL EQUIPMENT

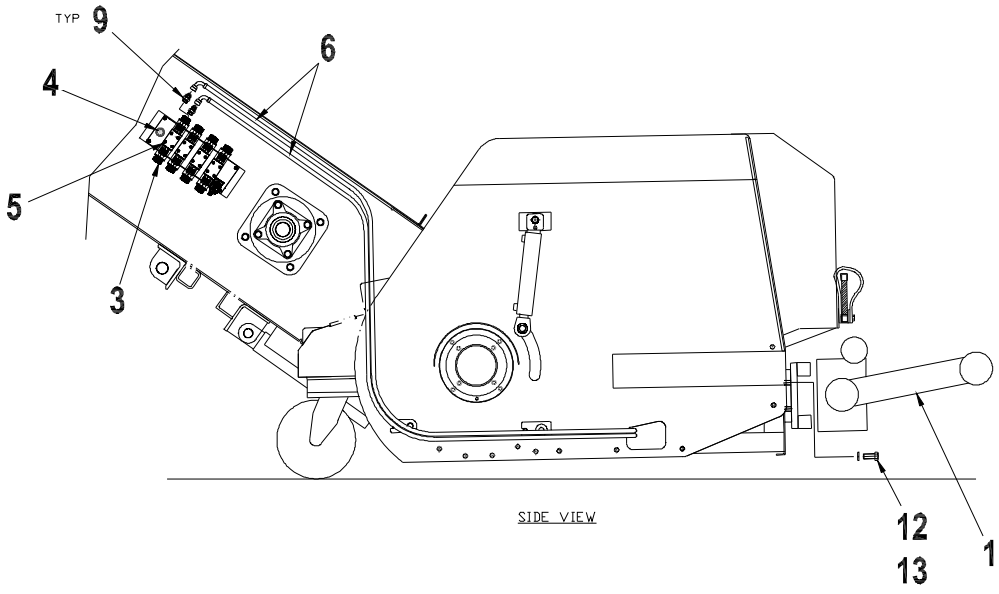
ASSEMBLY	PART NO.	S/N	PAGE NO.
12 VDC. WORKING LIGHTS	201880-01	640 & UP	6.1
TRUCK HITCH	201853-01		6.3
4kw-120v GENERATOR	205220-01		6.5
GENSET OUTLET EXT'N.	148267-03		6.8
STORAGE CABINET	211338-01		6.9
WINDROW	212471-01	780 & UP	6.11
WINDROW PIVOT	200855-01		6.15
ELECTRICAL	203236-01		6.17
HYDRAULIC	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)

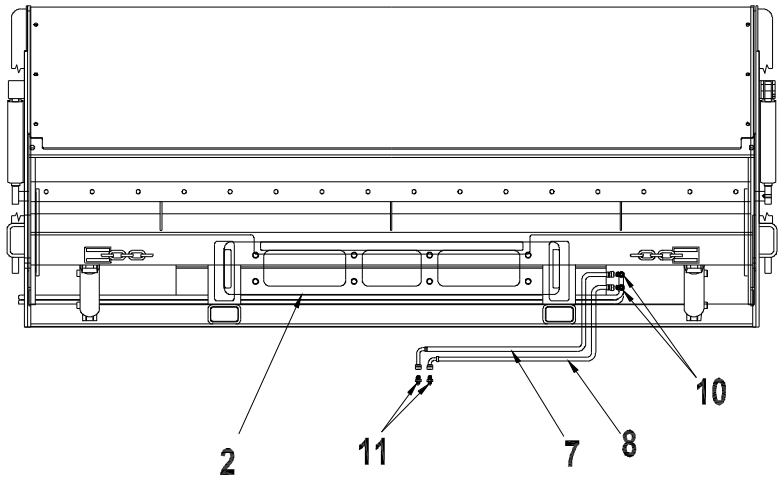


12 VDC. WORKING LIGHTS OPTION
(201880-01)

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

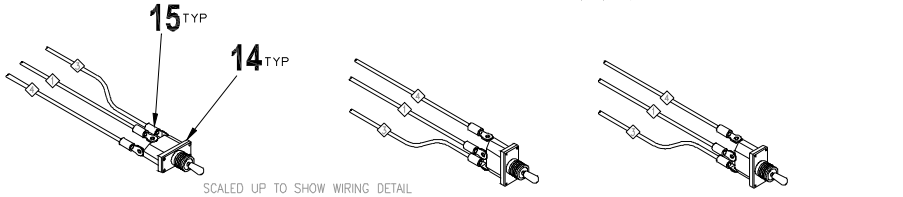


SIDE VIEW

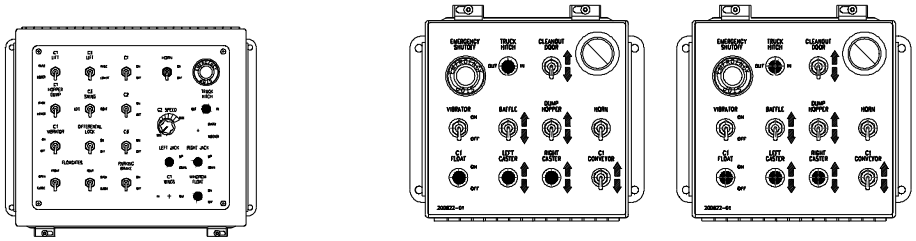


FRONT VIEW
TRUCK HITCH NOT SHOWN

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



SCALED UP TO SHOW WIRING DETAIL



OPERATOR CONTROL BOX

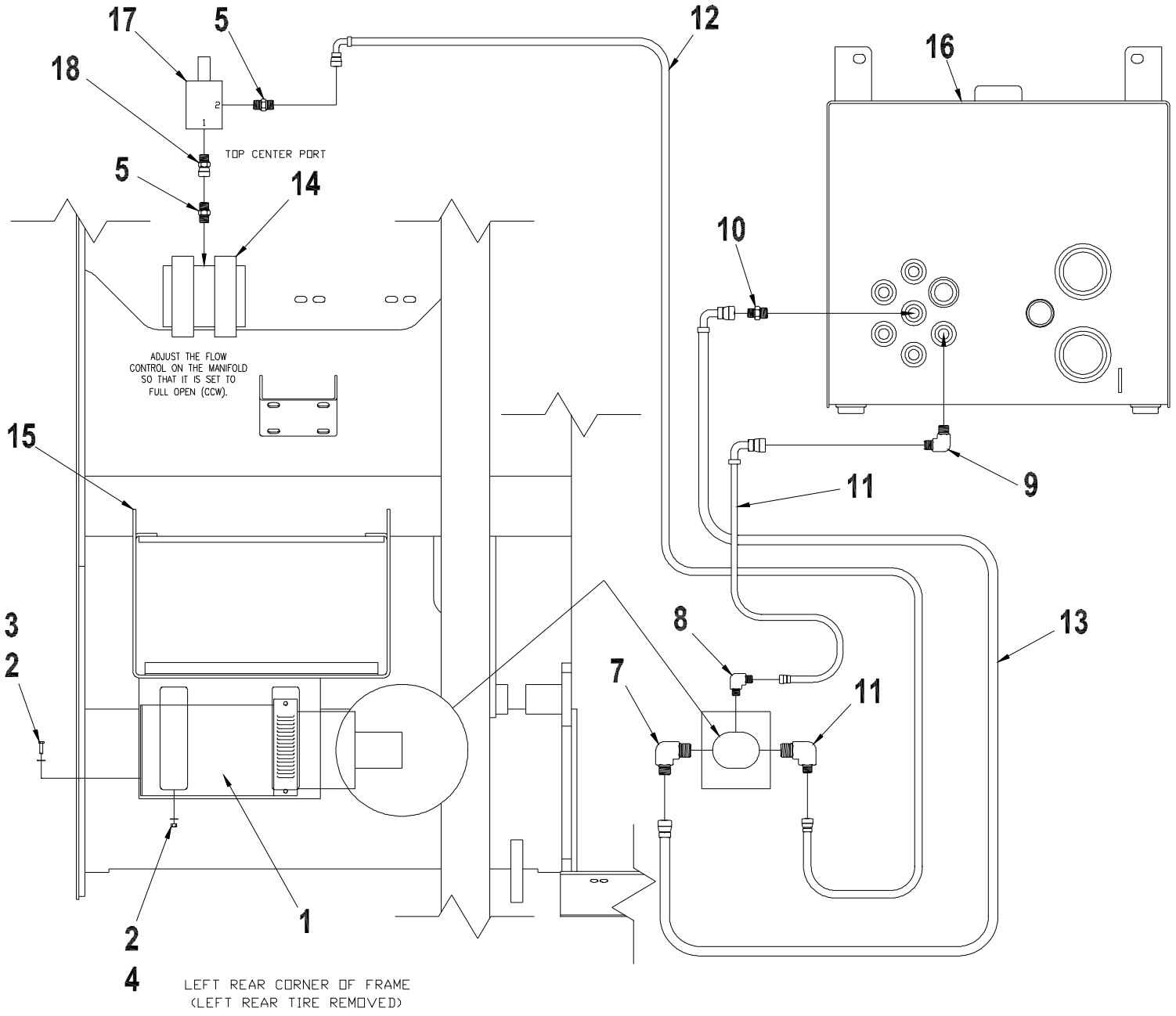
LEFT HAND HOPPER CONTROL BOX

RIGHT HAND HOPPER CONTROL BOX

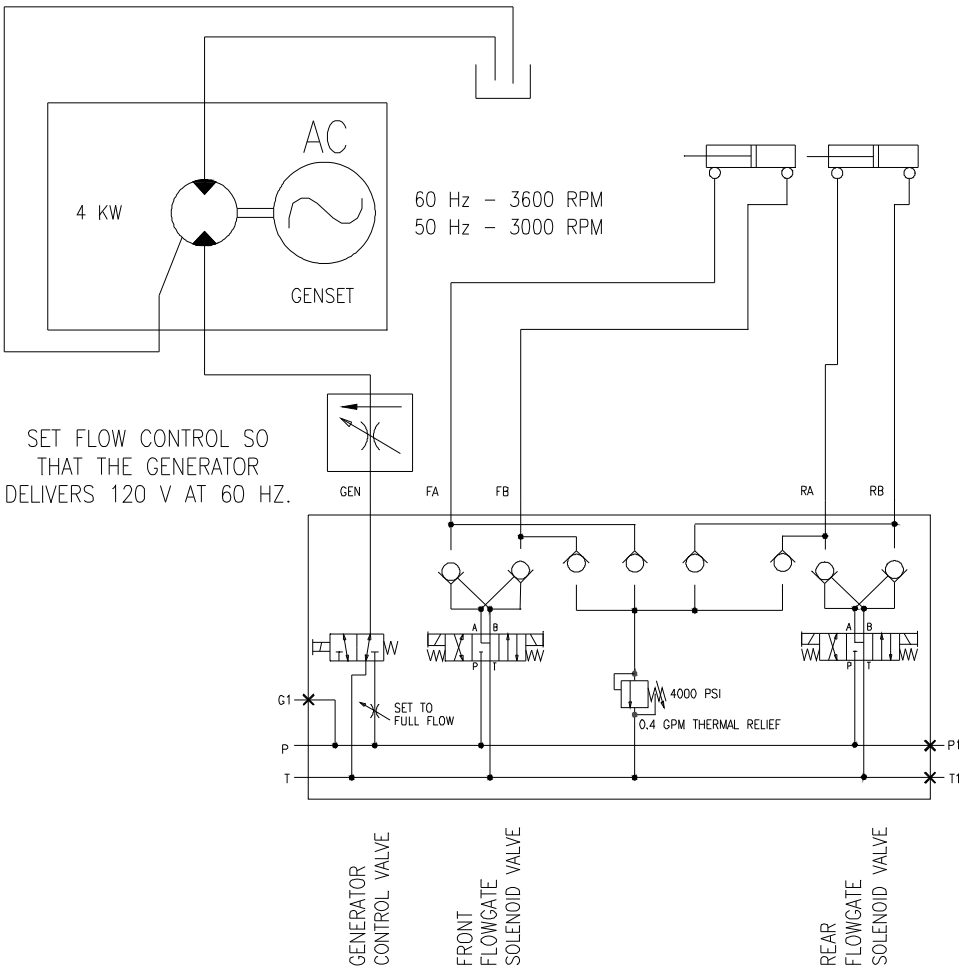
TRUCK HITCH OPTION
(201853-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	29E85	TRUCK HITCH	1
2	201811-01	TRUCK HITCH MOUNTING PLATE	1
3	143972-C12	VALVE - D03 MOTOR SPOOL	1
4	143972-C19	PRESSURE REDUCING VALVE	1
5	148745-04	SCREW - #10-24 X 2 ,CAP	4
6	201881	HOSE ASSY - STD 1/4 X 240, 4X6ST-4X690	2
7	201882	HOSE ASSY - STD 1/4 X 36, 4X6ST-4X6LN90	1
8	129871	HOSE ASSY - STD 1/4 X 36, 4X6ST-4X690	1
9	83469-04	8 SAE X 6 JIC STRAIGHT	2
10	85381	6 JIC BULKHEAD 90	2
11	86170-04	1/4 NPT X 6 JIC STRAIGHT	2
12	OO891	HEX BOLT - 3/4-10 X 1 3/4 GR8	8
13	83133	FLAT WASHER - 3/4	8
14	139471	SWITCH - TOGGLE MOMENTARY SPRING	3
15	90990-04	WIRE - RING POST #6 - #16	9

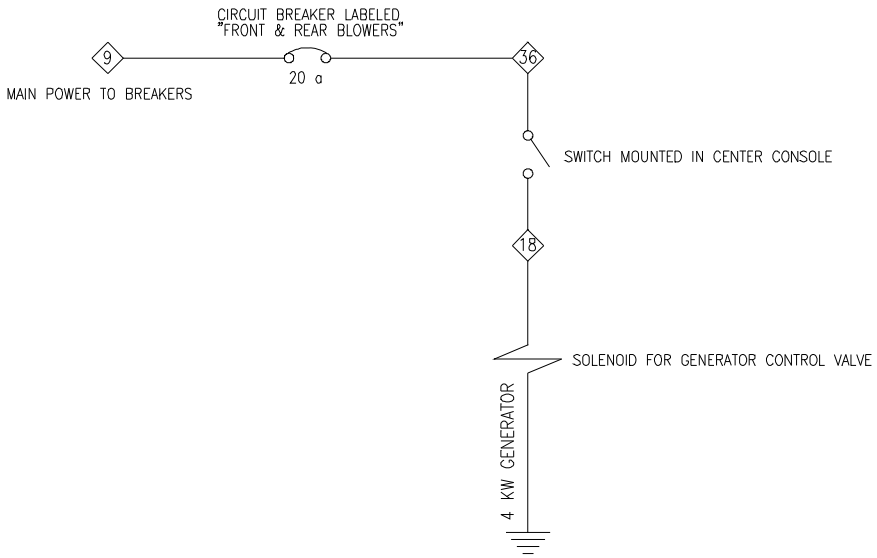
NEXT PAGE


17
5
12
16
18
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:

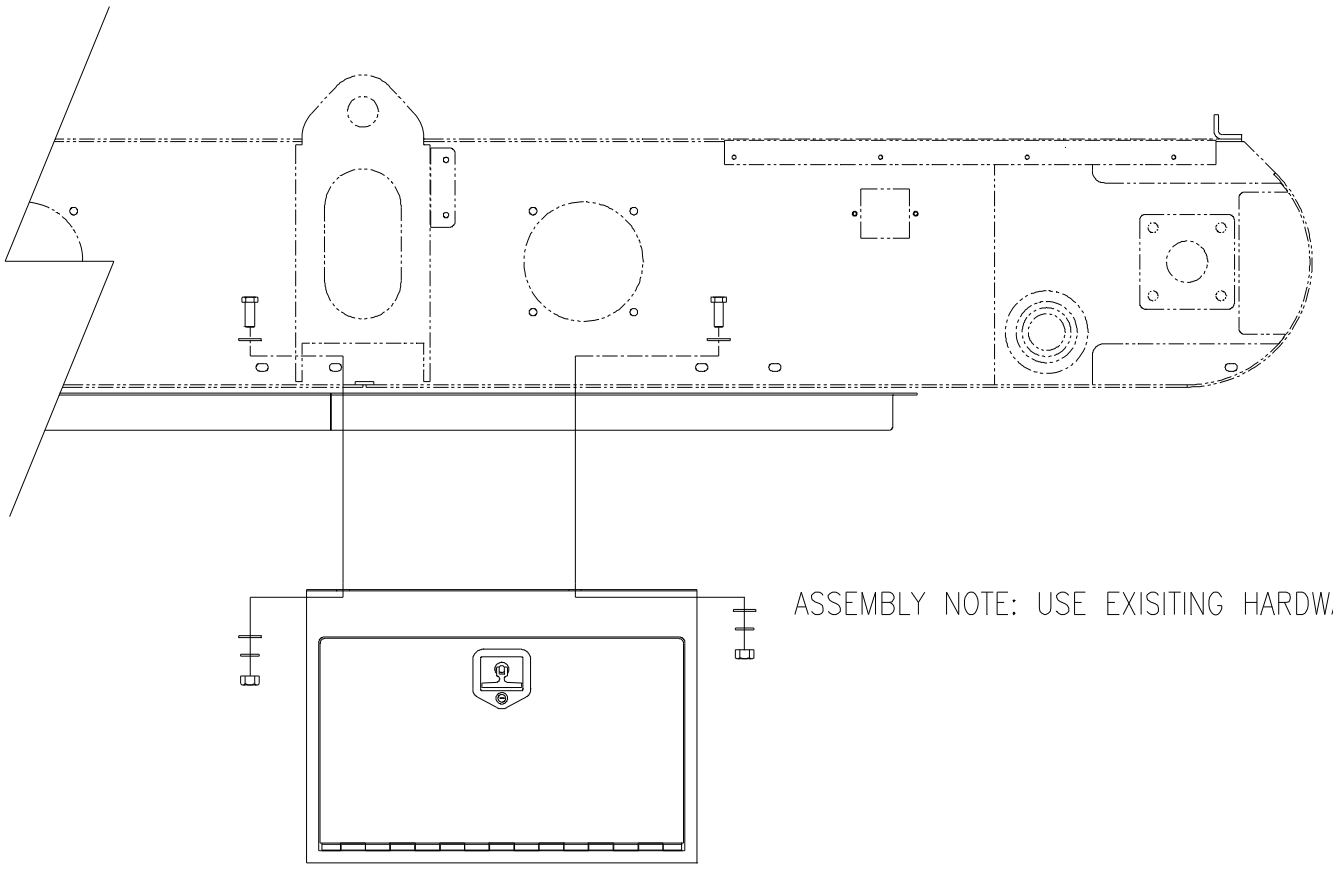
	3/8 CONDUIT	BLACK WIRE	WHITE WIRE	GREEN WIRE
FRONT TO BACK - RIGHT SIDE	264”	276”	276”	276”
RIGHT SIDE TO GENERATOR SET	144”	156”	156”	156”
FRONT TO BACK - LEFT SIDE	252”	264”	264”	264”
LEFT SIDE TO GENERATOR SET	20”	32”	32”	32”

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)



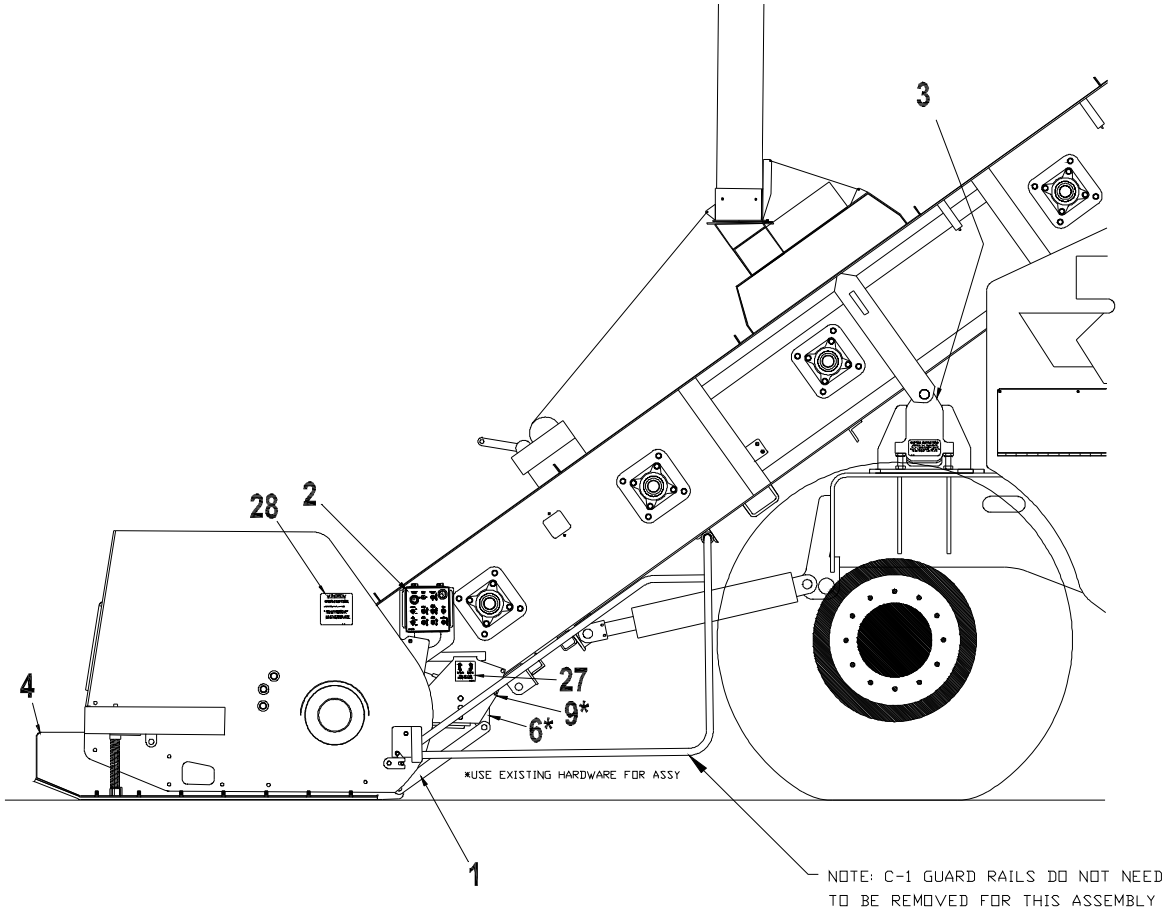
ASSEMBLY NOTE: USE EXISITING HARDWARE

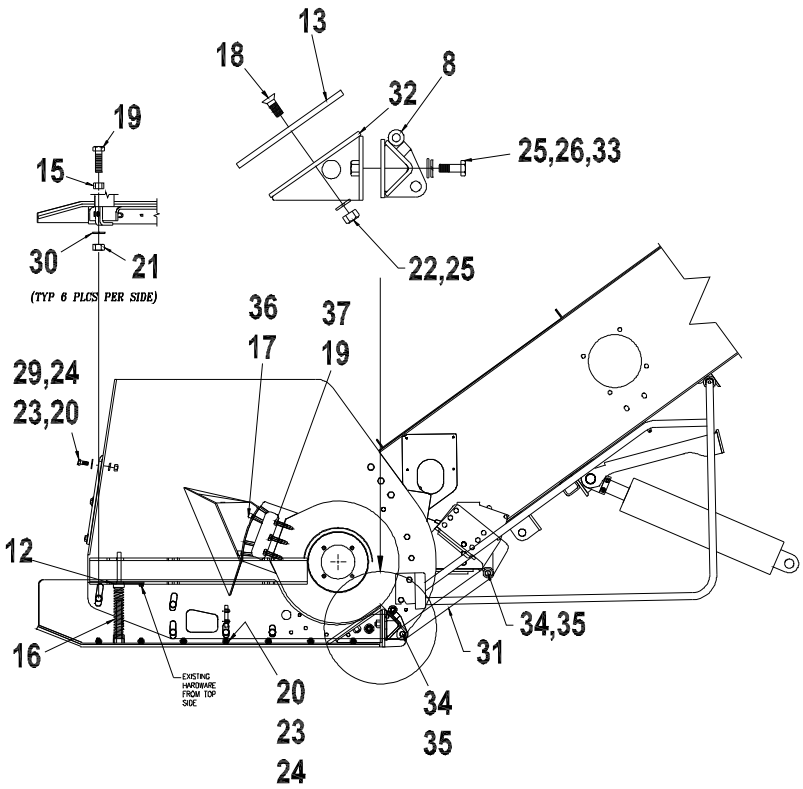
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	211337-01	STORAGE CABINET	1
2	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEY	2

SB-2500C WINDROW OPTION ASSY.

(212471-01)

NEXT PAGE

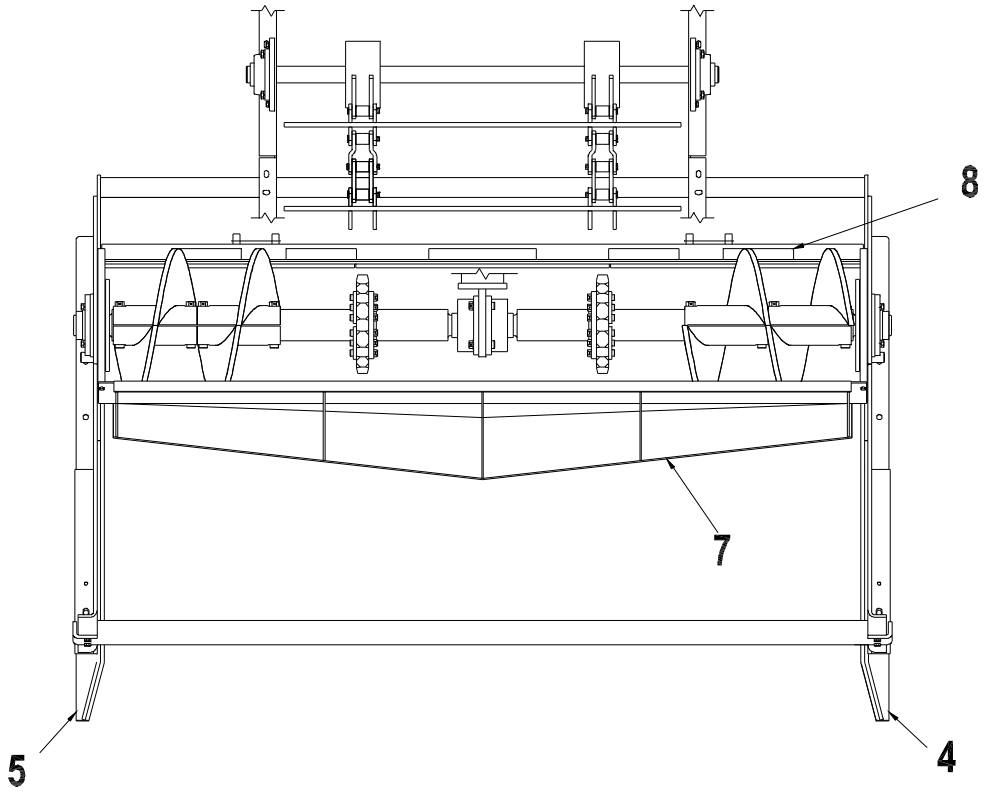


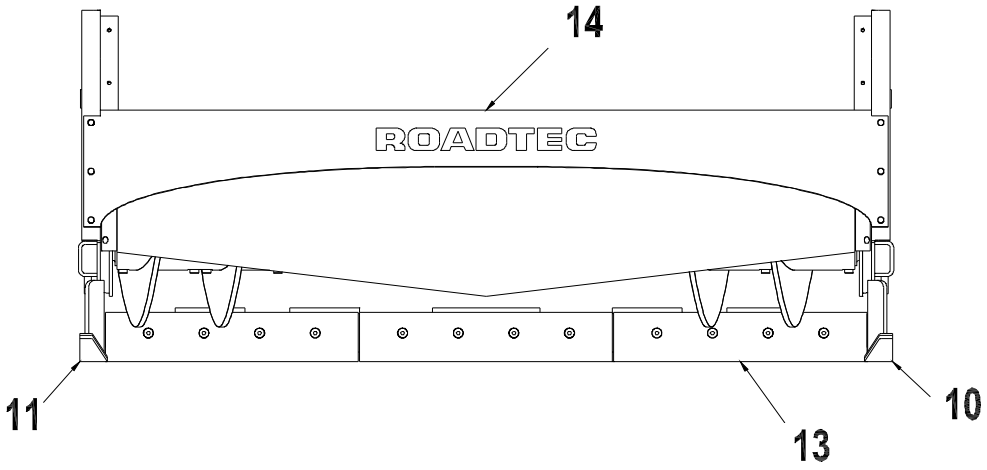


SB-2500C WINDROW OPTION ASSY.

(212471-01)

PREVIOUS PAGE

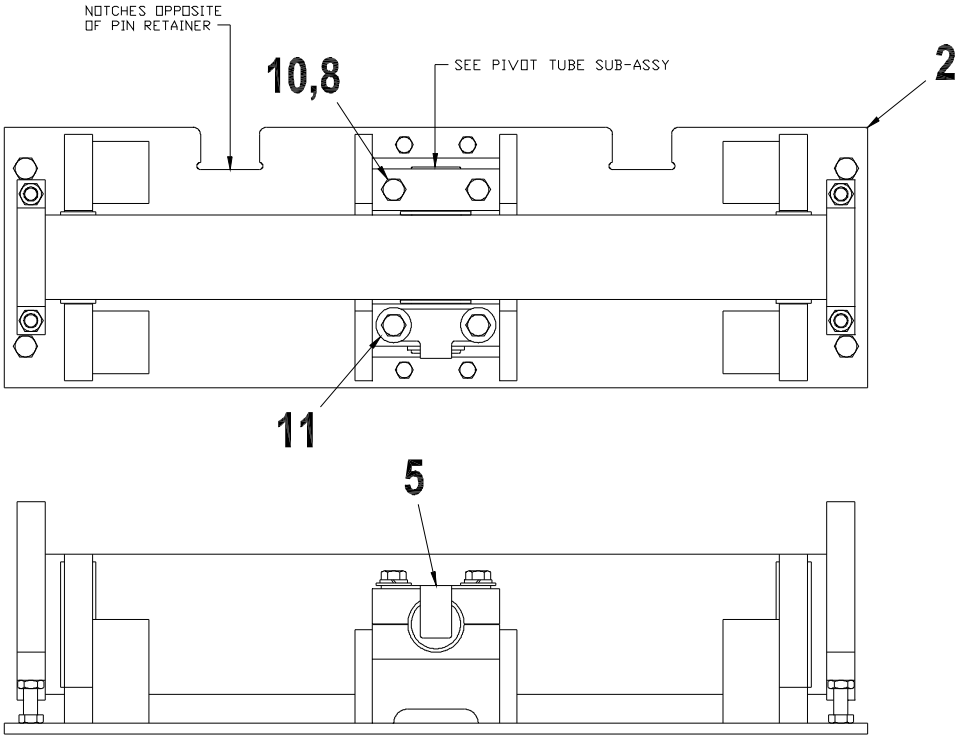


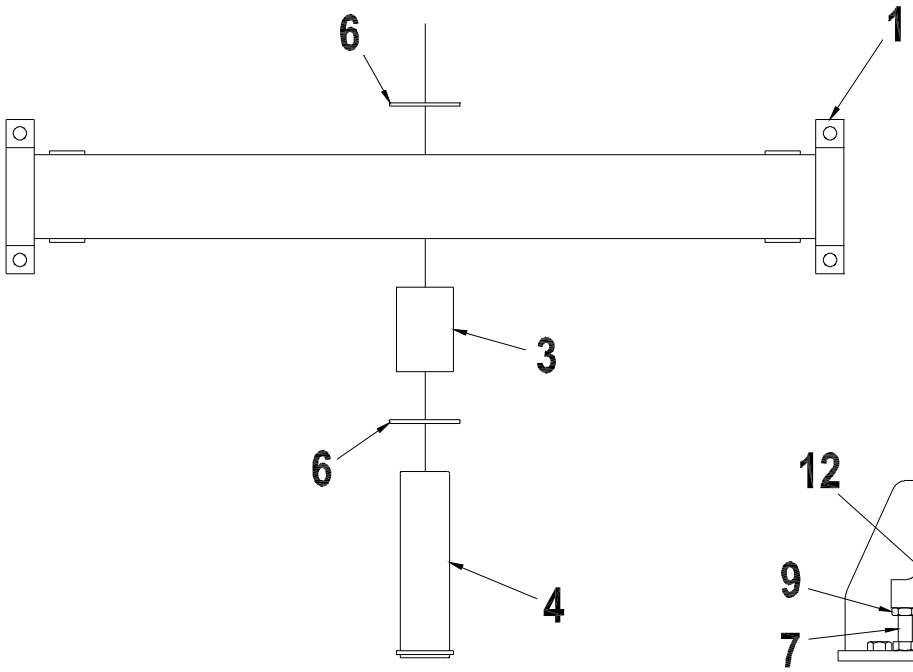


SB-2500C WINDROW OPTION ASSY.
(212471-01)

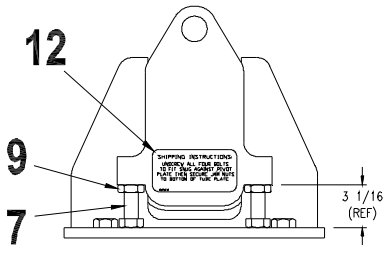
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	212043-01	WINDROW HYD. ASSY.	1
2	203236-01	WINDROW ELECTRICAL ASSY.	1
3	200855-01	WINDROW PIVOT SUB-ASSY.	1
4	202890-01	LH SKI WLDMT.	1
5	202889-01	RH SKI WLDMT.	1
6	208032-03	CYLINDER MOUNT WLDMT.	2
7	202199-01	WINDROW PLOW WLDMT.	1
8	202200-01	SCRAPER MOUNT 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

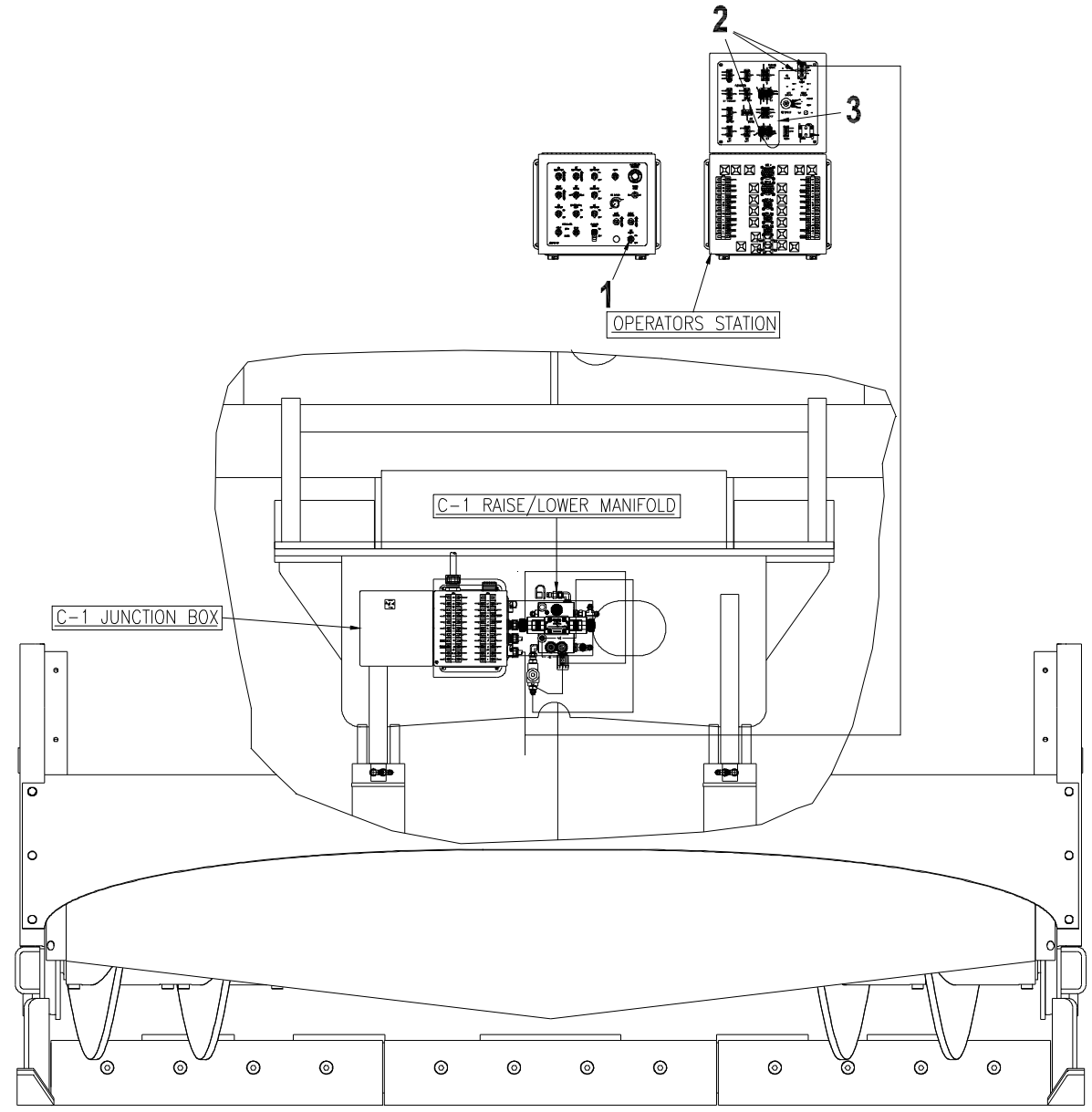


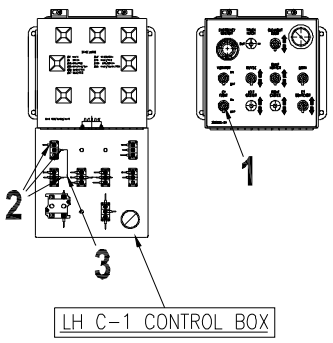
PIVOT TUBE IN LOCKED POSIOTION

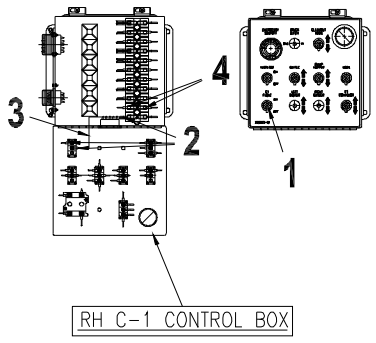
WINDROW PIVOT ASSY.
(200855-01)

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

WINDROW ELECTRICAL ASSY.
(203236-01)



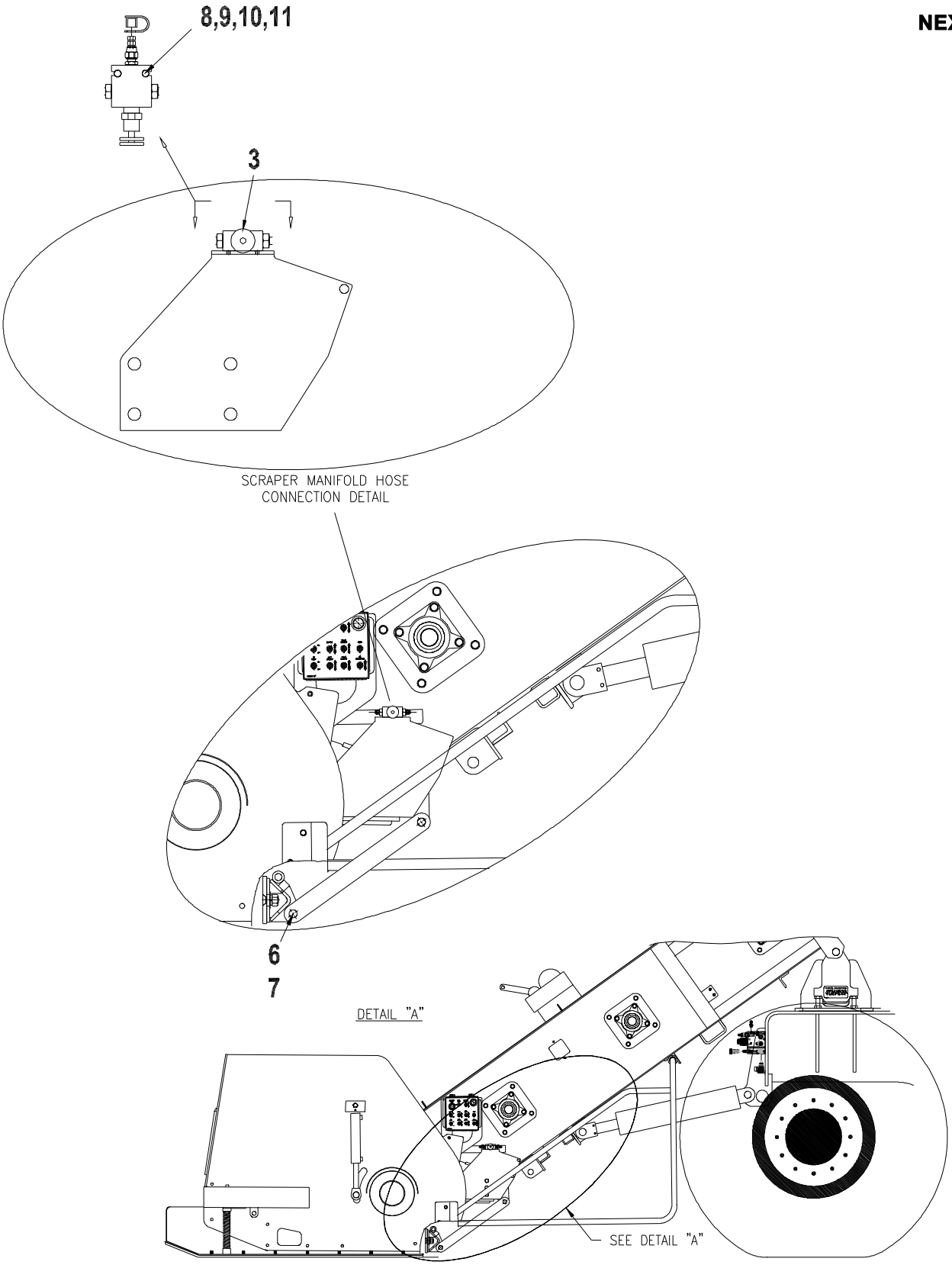




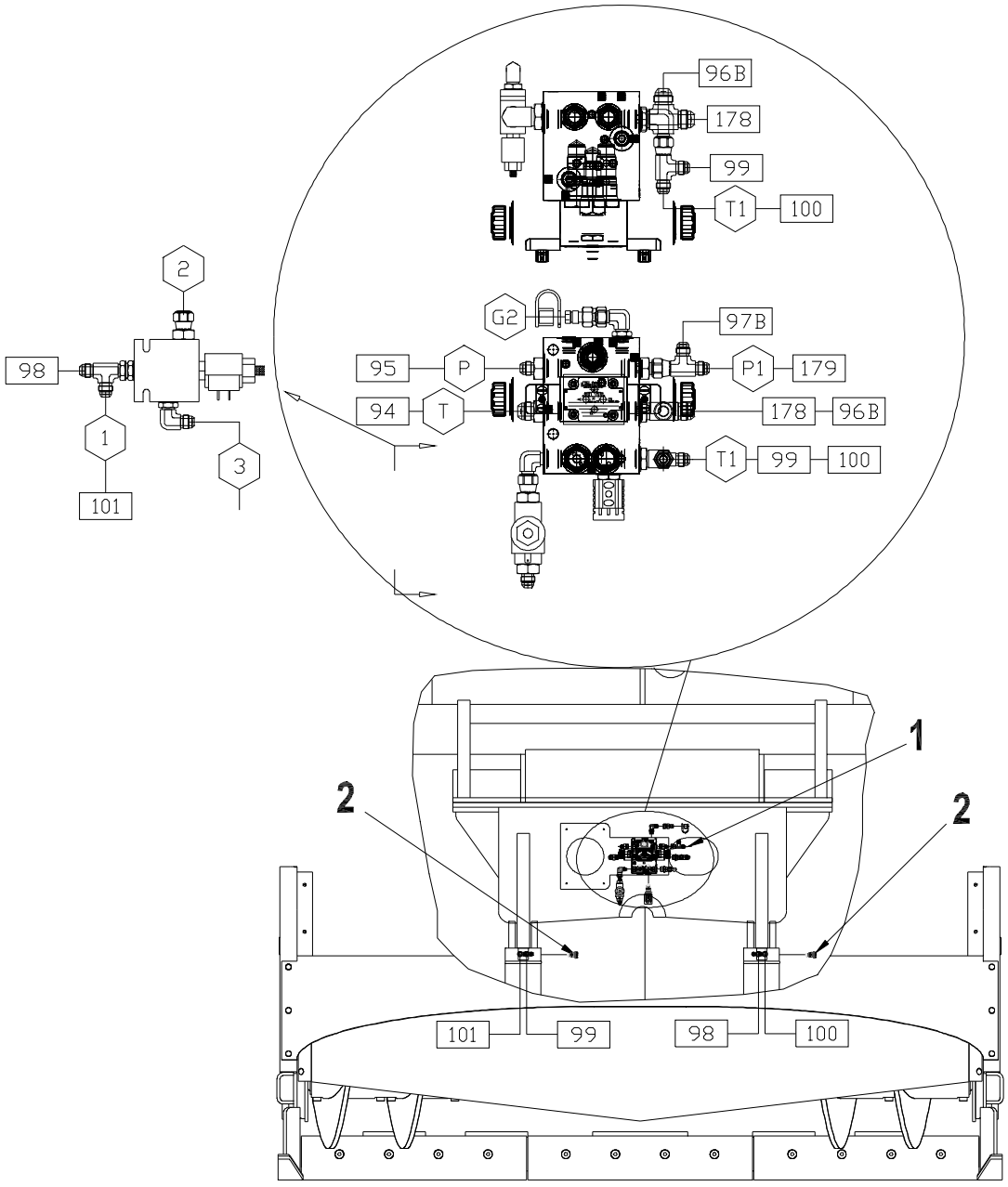
WINDROW ELECTRICAL ASSY.
(203236-01)

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

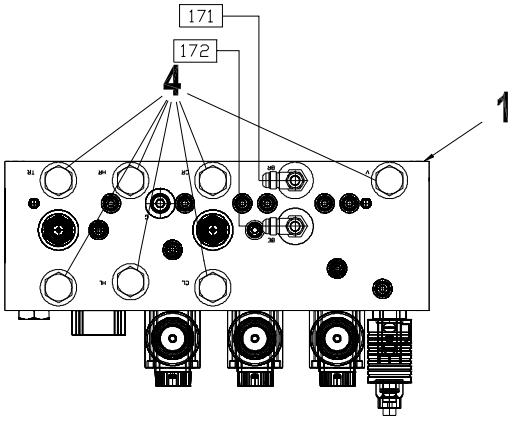


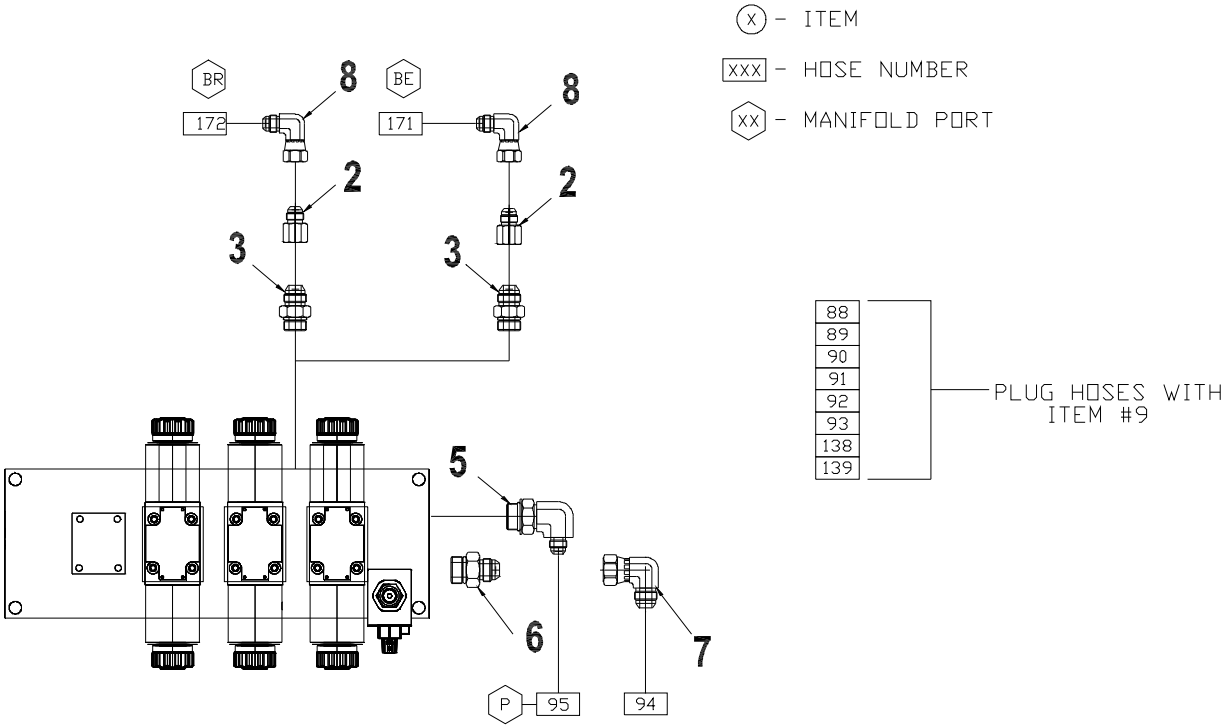
WINDROW HYDRAULIC ASSY.
(212043-01)

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

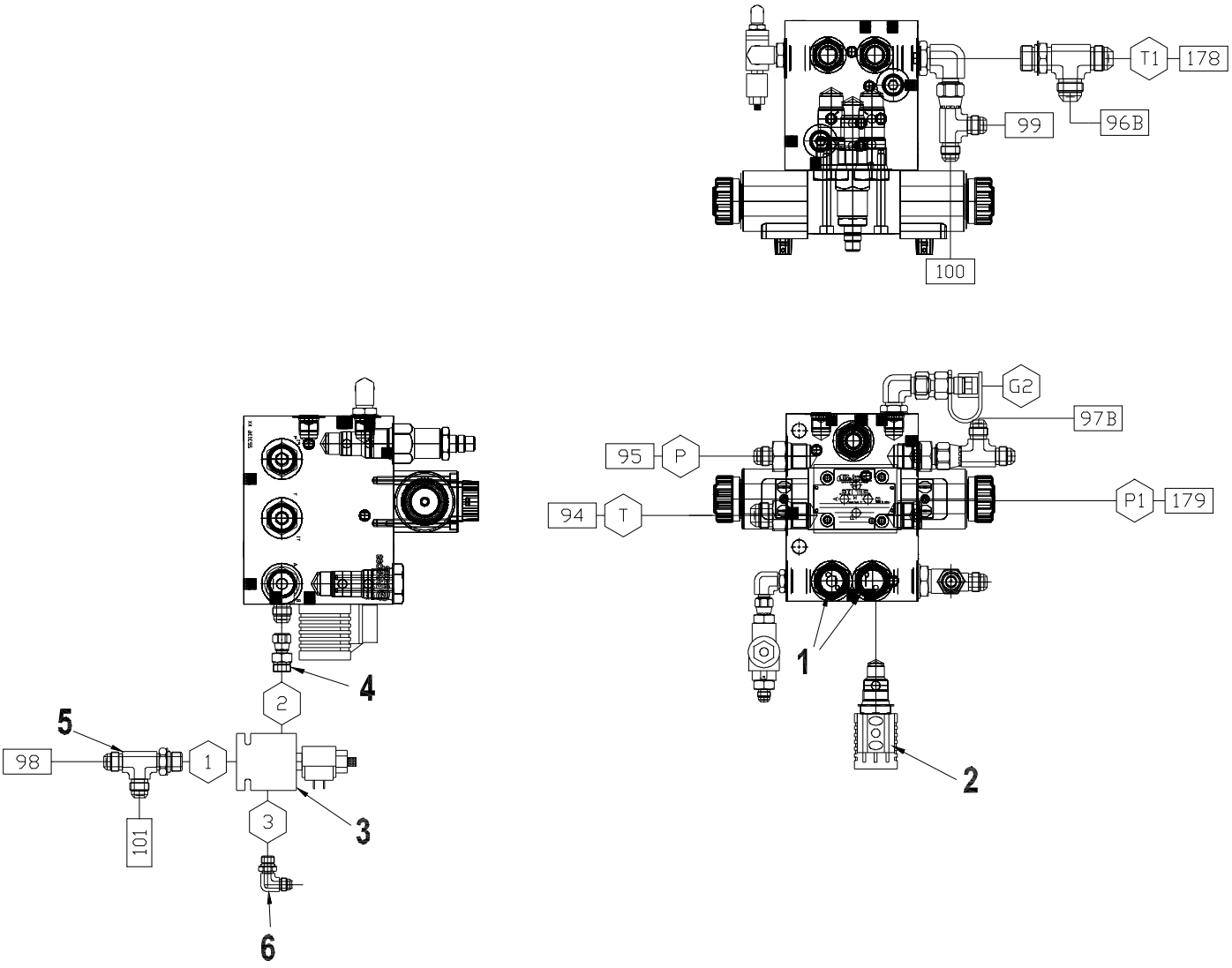
WINDROW C-1 HOPPER CONTROLS MANIFOLD ASSY.

(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

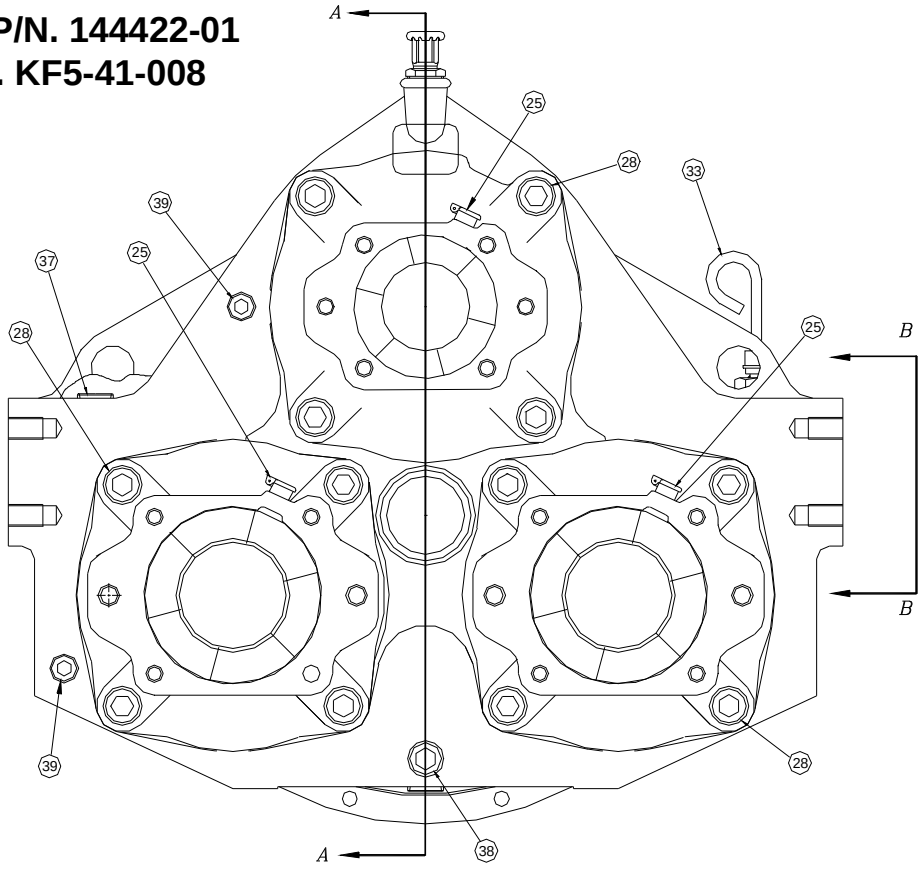


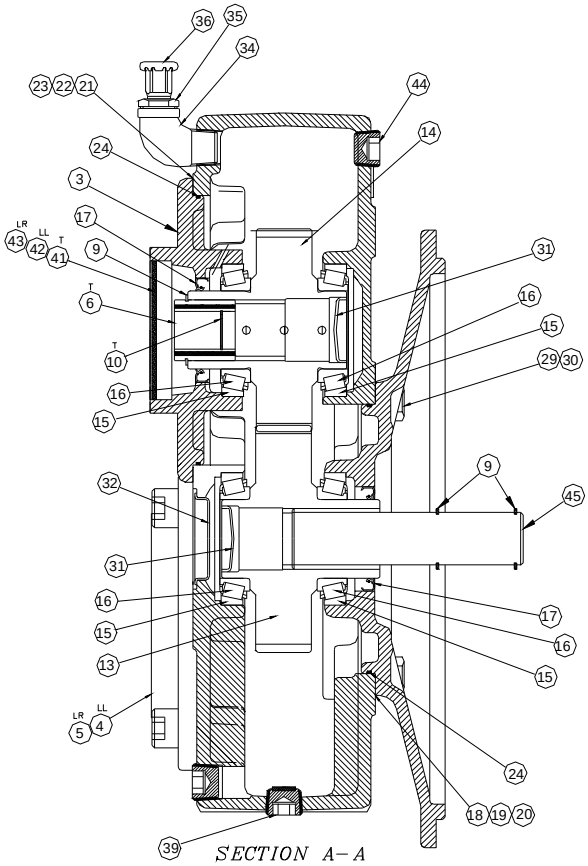
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	143972-C32	VALVE - CARTRIDGE PO CHECK	2
2	143972-C33	VALVE - CARTRIDGE SOLENOID N/C SPOOL	1
3	203093-04	VALVE - SOLENOID 2 POS - 3 WAY	1
4	135923-04	FIT - 6 SAE MALE - 6 JIC FEM. SW STR.	1
5	91665-04	FIT - RUN TEE 6 JIC M - 6 SAE M	1
6	83734-04	FIT - 6 JIC - 6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





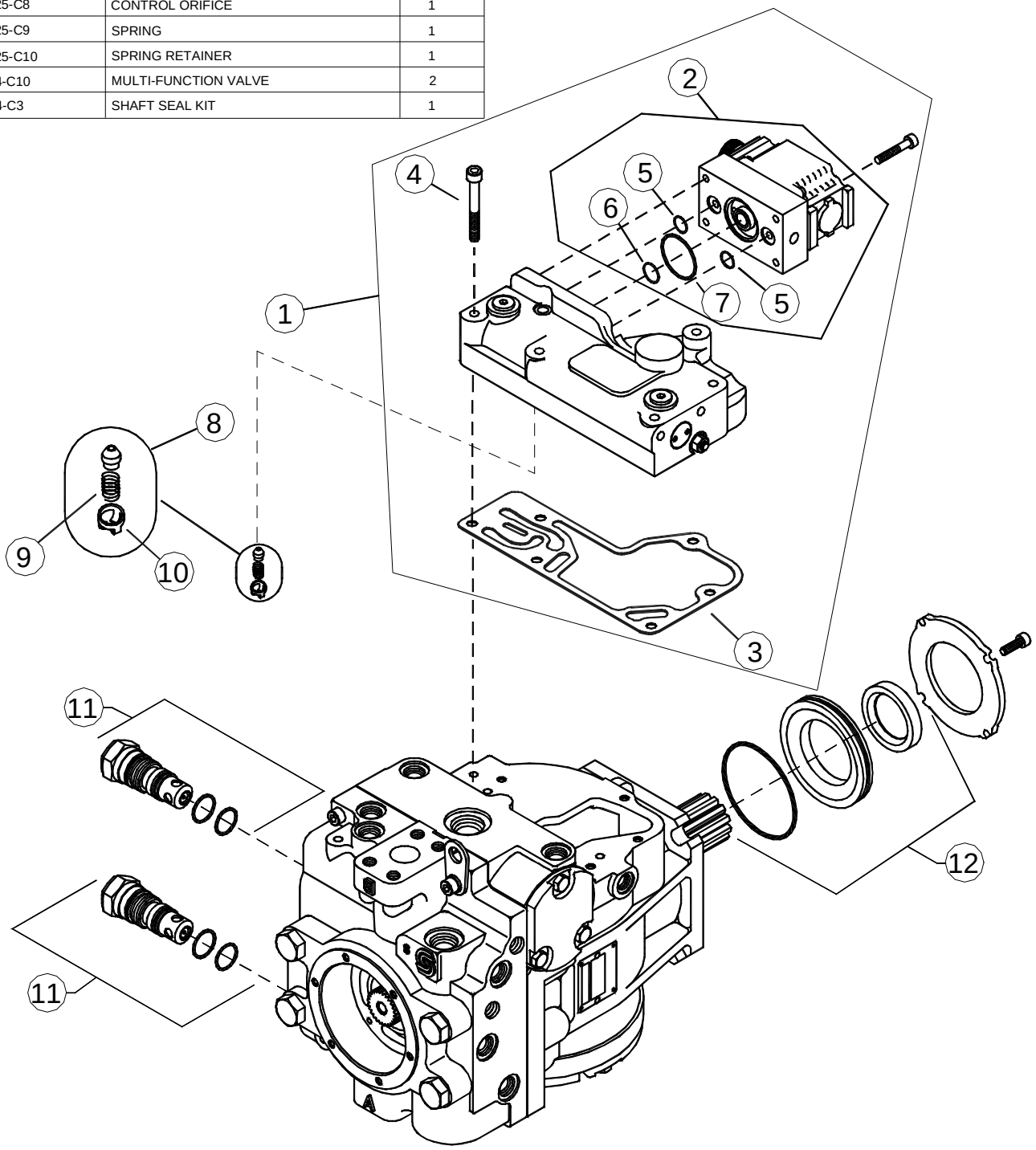
SECTION A–A

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

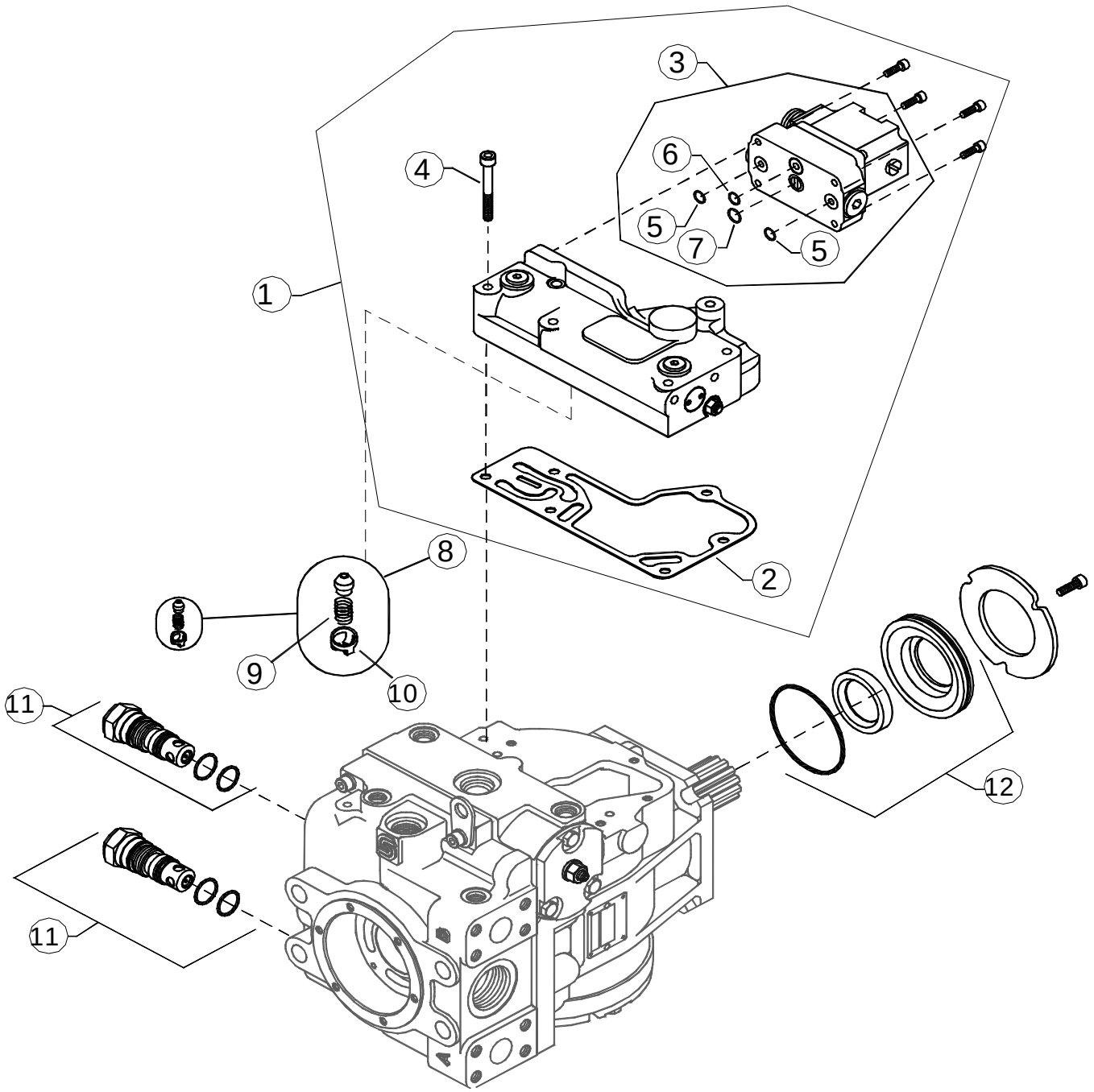
ROADTEC P/N. 99814
SAUER DANFOSS P/N. 95-2508

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



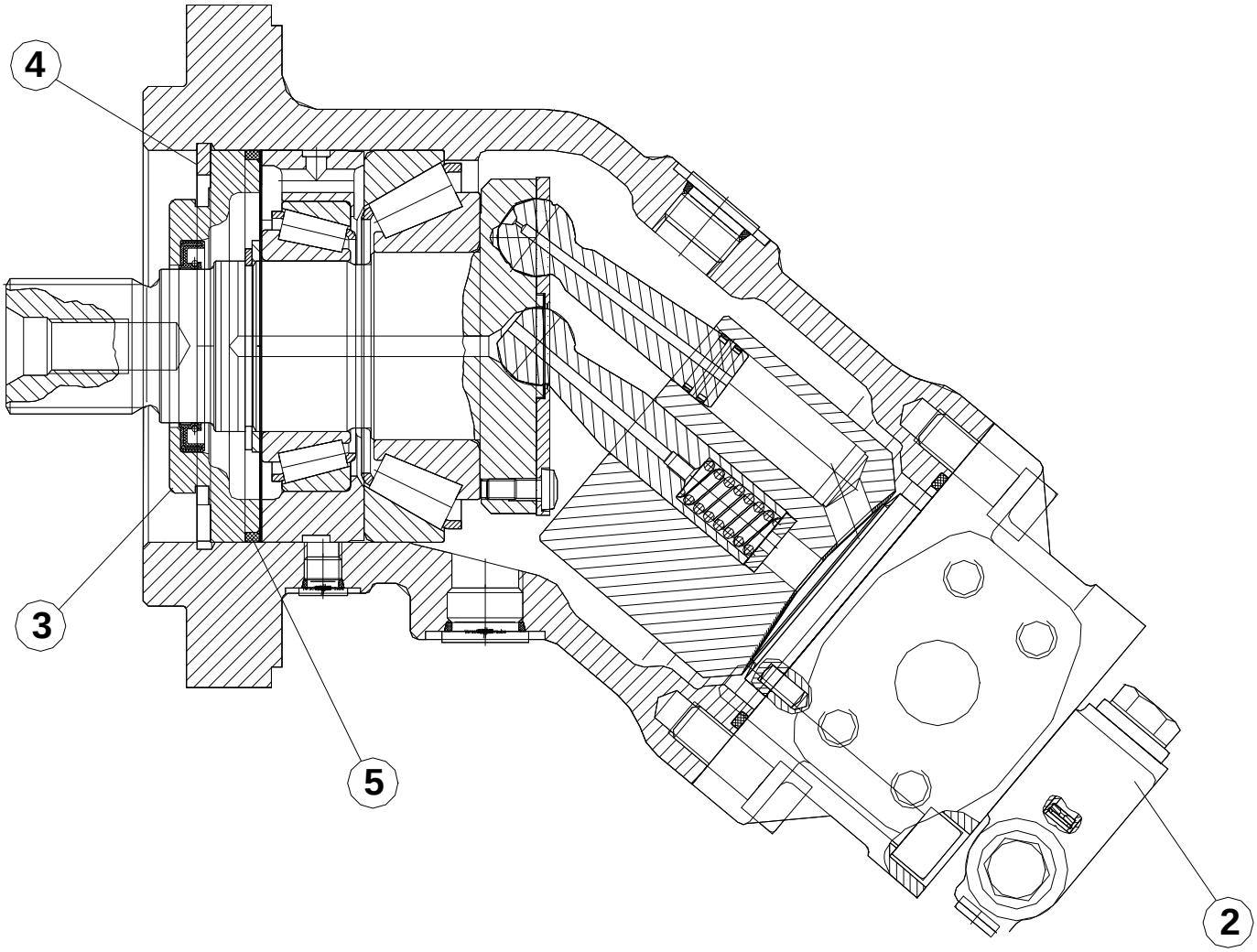
ROADTEC P/N. 29J94
SAUER DANFOSS P/N. 9521343

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



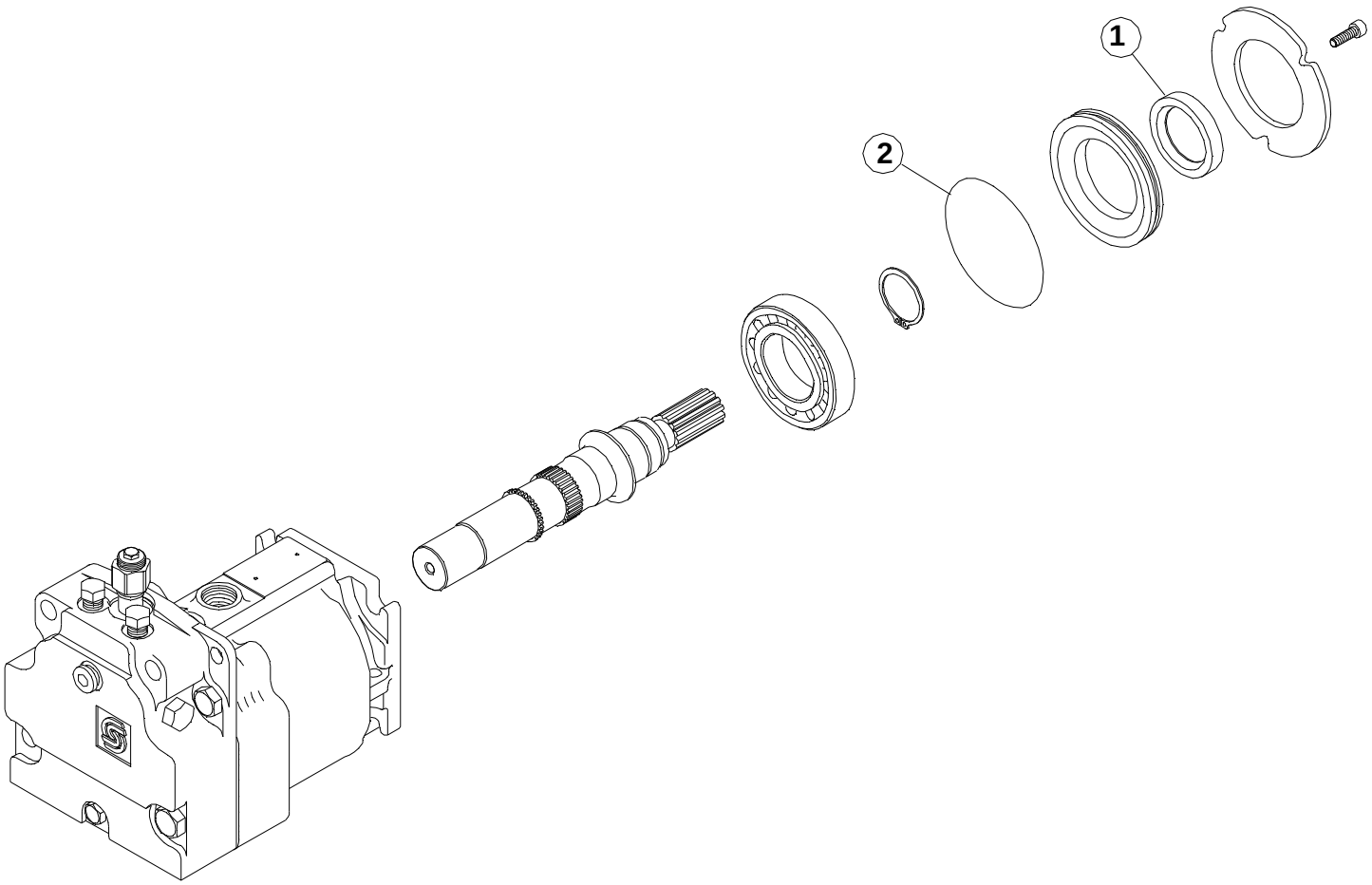
ROADTEC P/N. 137400-04
REXROTH P/N. 02030569

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



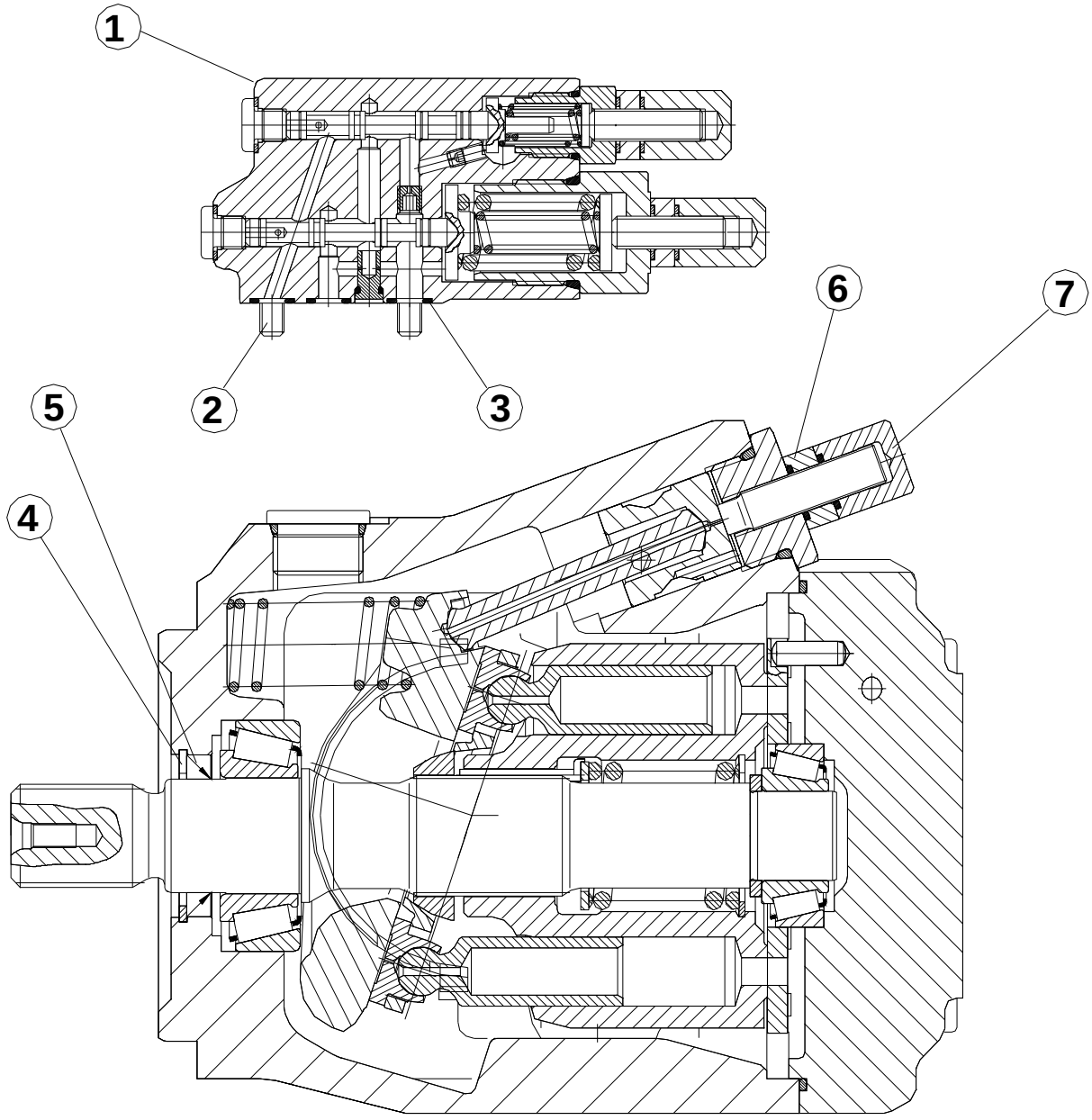
ROADTEC P/N. 91681-04
SAUER DANFOSS P/N. 94-3113

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

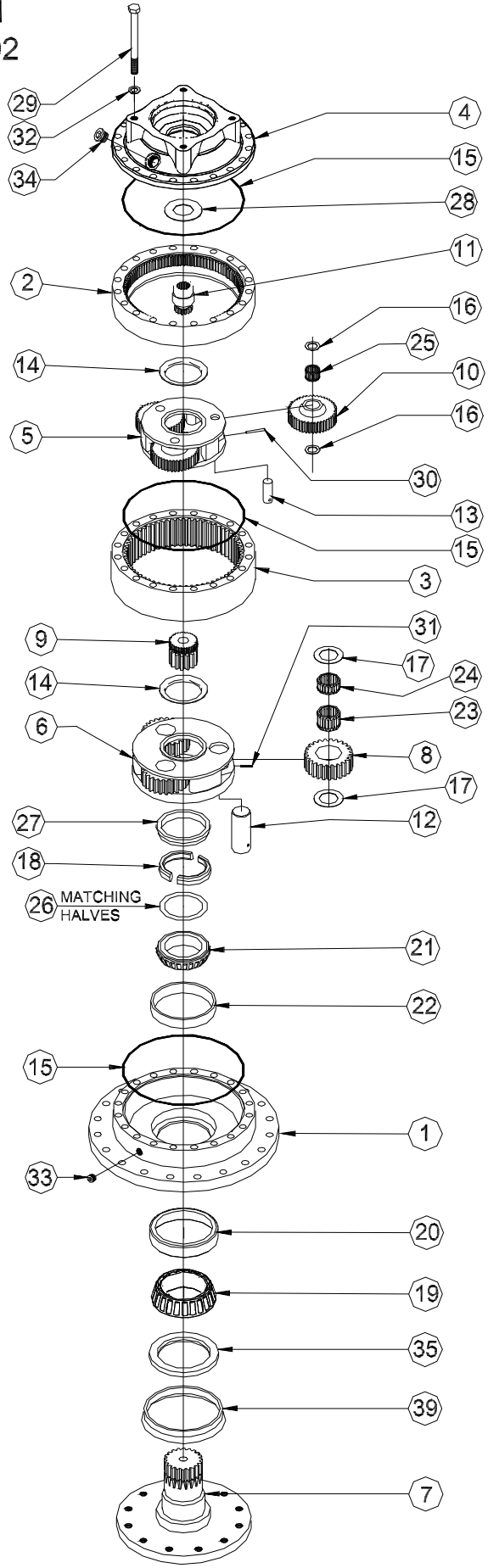


ROADTEC P/N. 128178-04
REXROTH P/N. 00978509

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

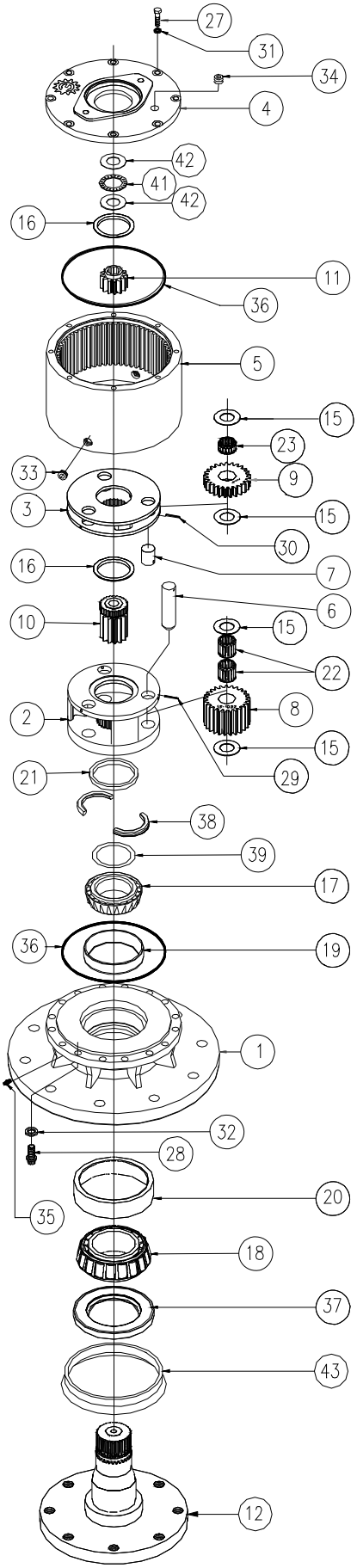
EQUIPPED WITH PATENTED "LOAD-N-LOCK®" SHAFT RETENTION SYSTEM (U.S. PATENT NO. 5746517).

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

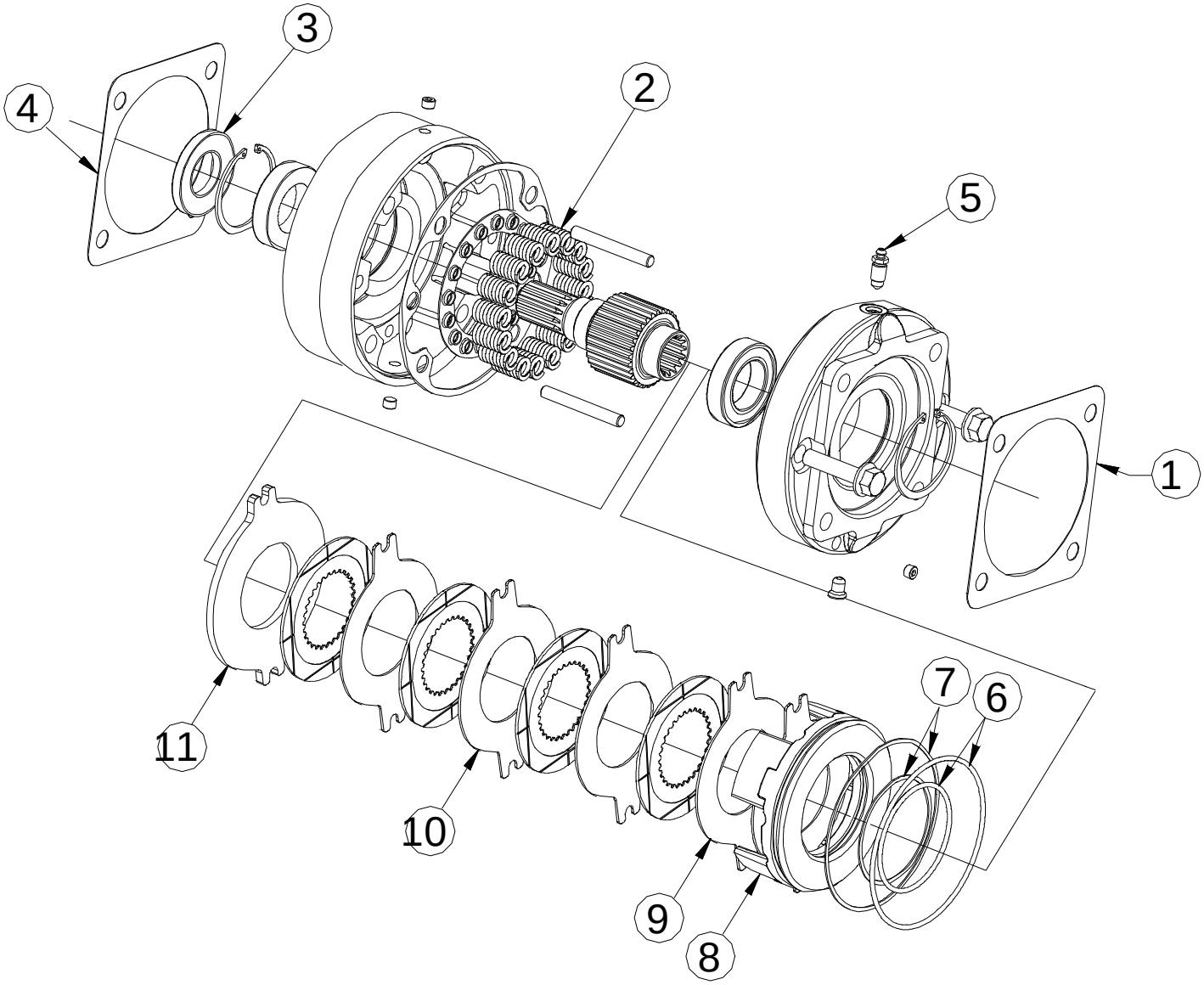
* ( ) QUANTITY DETERMINED FROM BEARING PRELOAD.

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).

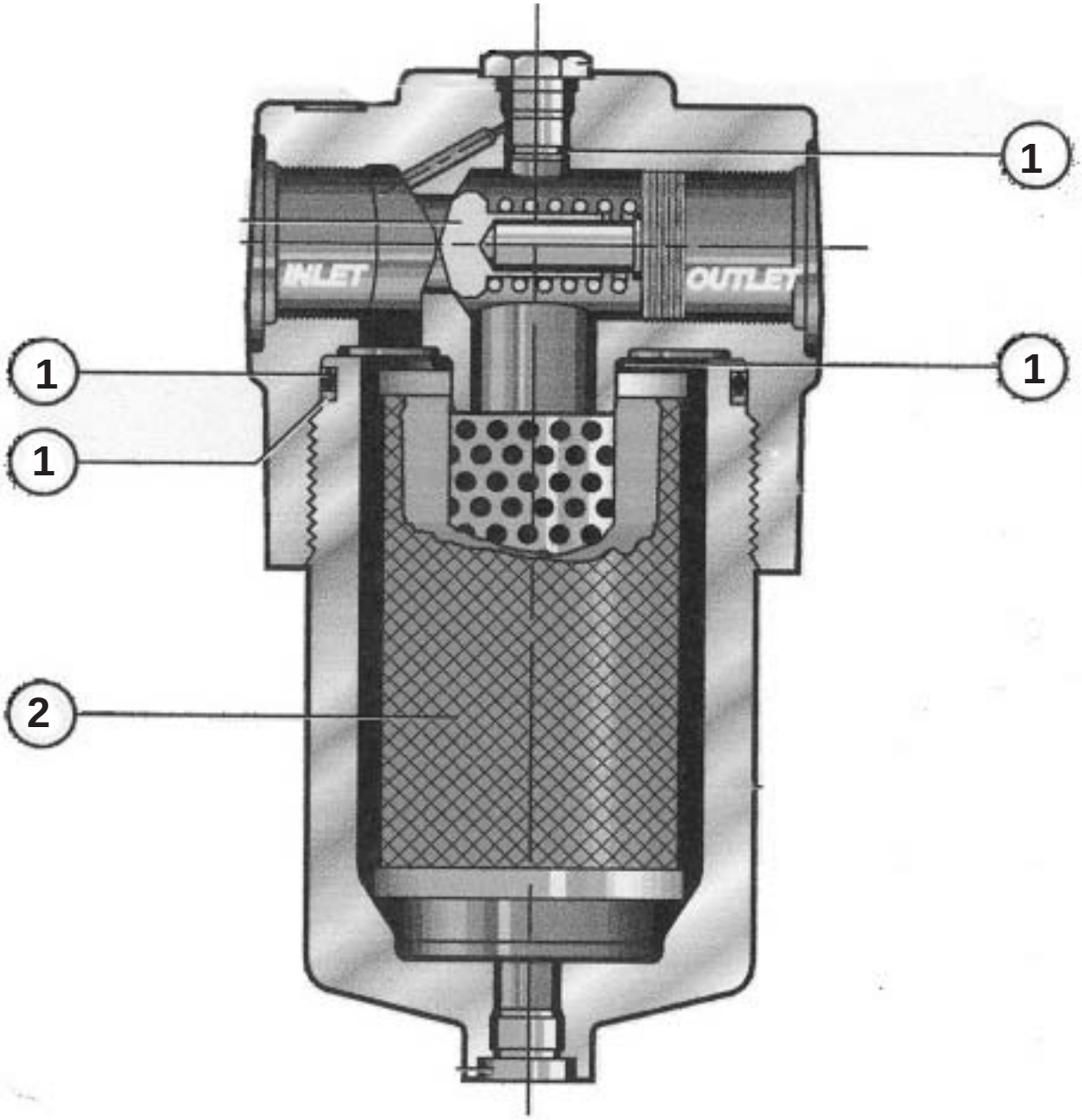
ROADTEC P/N. 142483
AUSCO P/N. 78018

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			



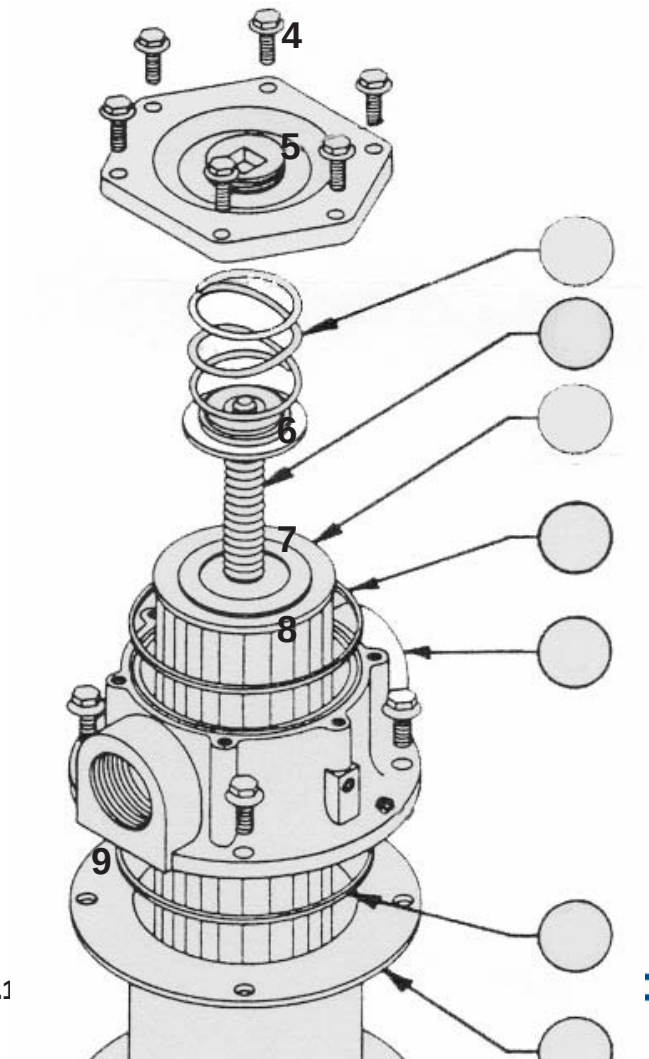
142799-03 HYDAC FILTER

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



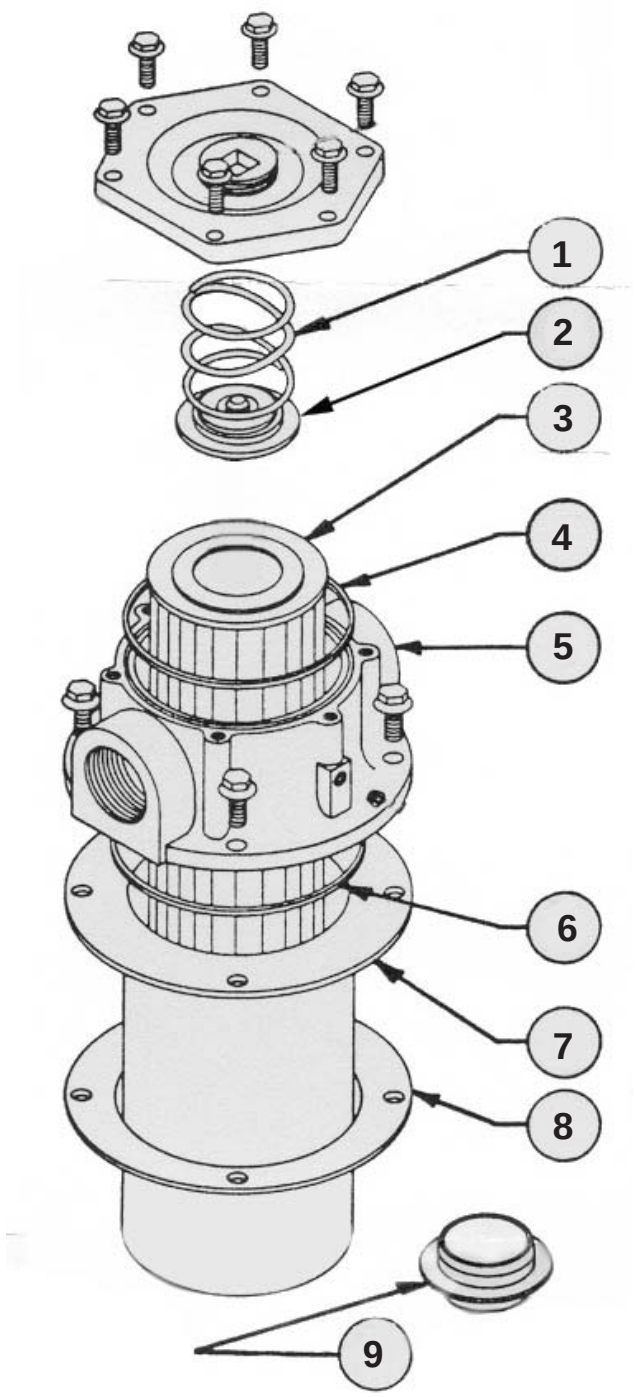
29G37 ZINGA FILTER

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



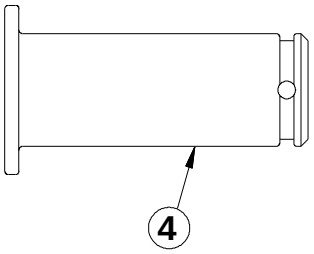
29G38 ZINGA FILTER

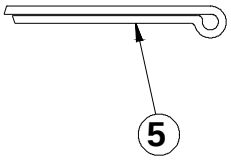
ITEM	QTY	DESCRIPTION	ROADTEC P/N
1	1	ELEMENT HOLD DOWN SPRING	29G37C4
2	1	NO BY-PASS VALVE ASSEMBLY	29G38C1
3	2	FILTER ELEMENT	29G40
4	1	TOP COVER SEAL (BUNA-"N")	29G37C2
5	1	PORT CASTING 1 5/8"-12 & 1 7/8-12 (SAE 20 & 24)PORTS	29G37C6
6	1	HOUSING FLANGE SEAL (BUNA-"N")	29G37C1
7	1	SINGLE ELEMENT HOUSING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

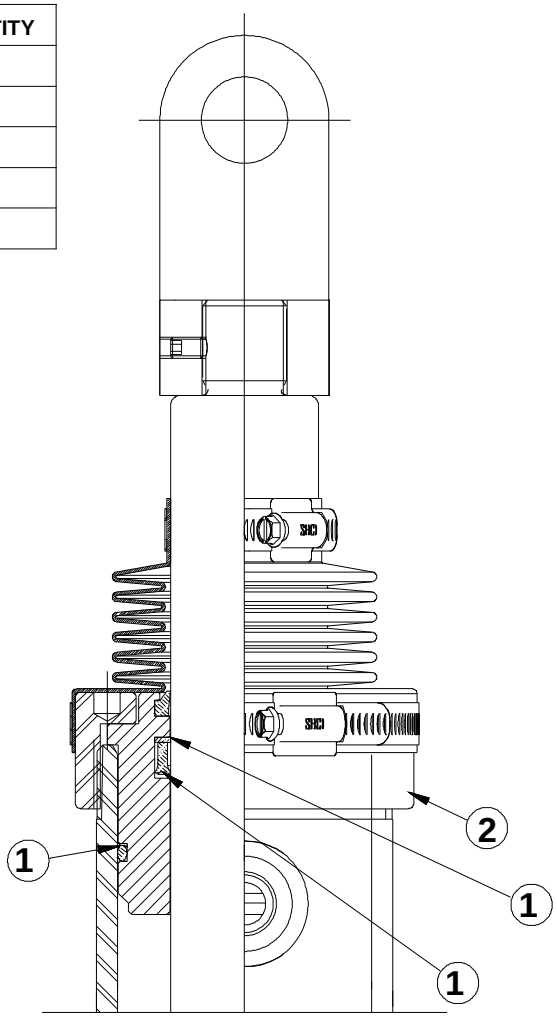


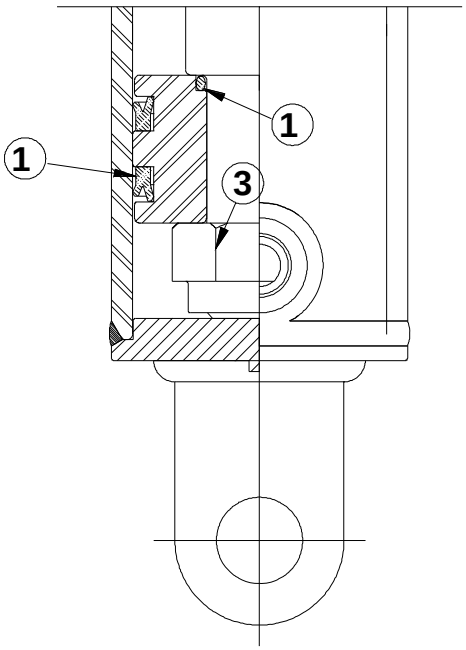
ROADTEC P/N. 144894-01
SOUTHERN HYD. P/N. 3017050

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



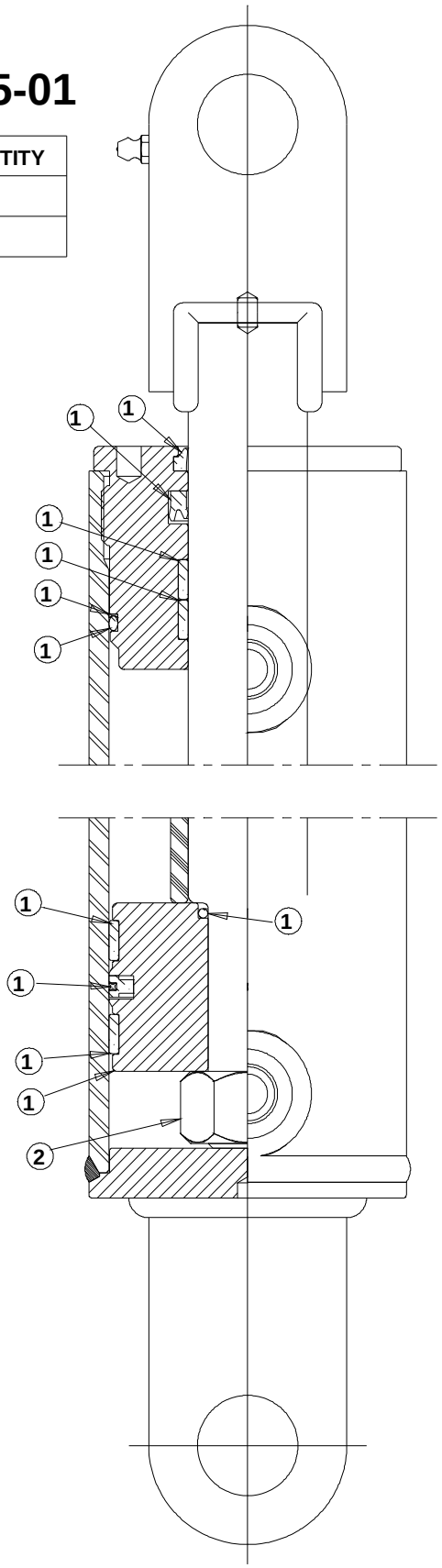






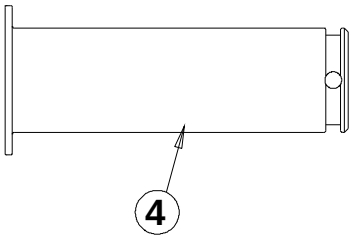
ROADTEC P/N. 144895-01
SOUTHERN HYD. P/N. 3515082-144895-01

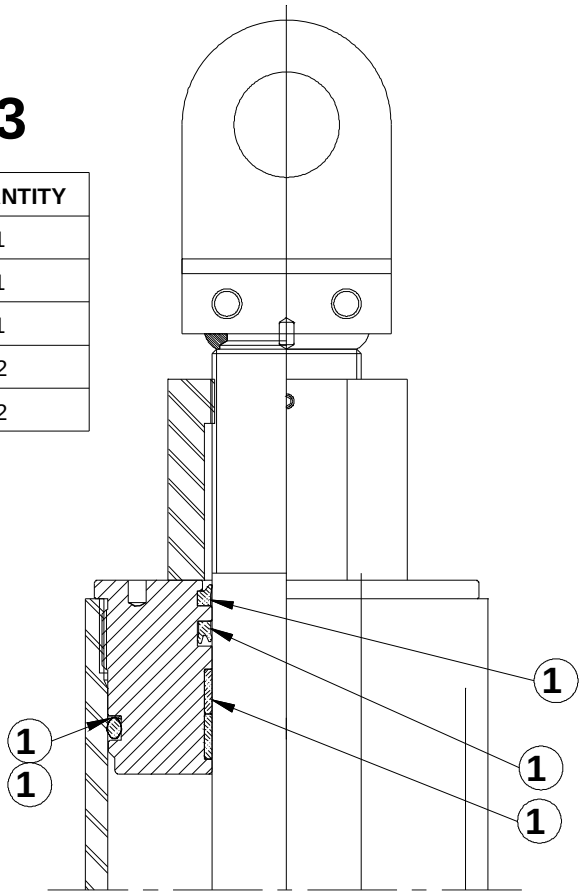
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144895-01-	SEAL KIT	1
2	144895-01-C2	LOCKNUT	1

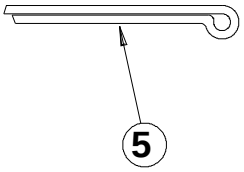


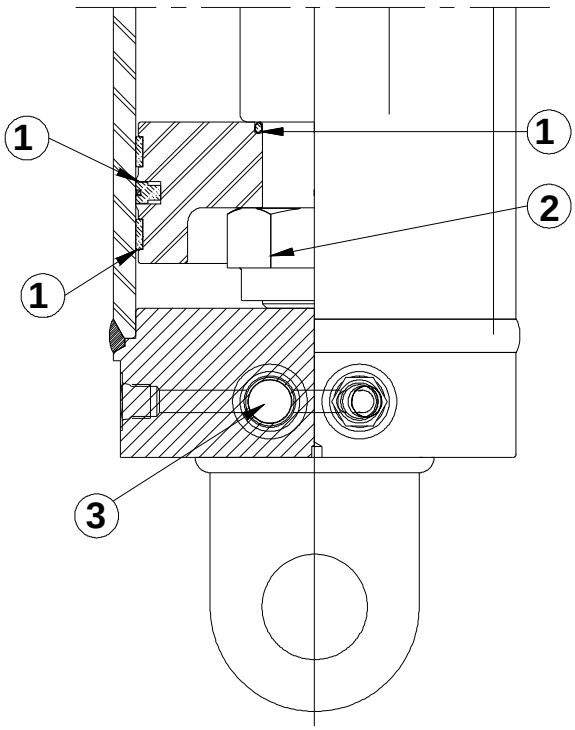
ROADTEC P/N. 144896-01
SOUTHERN HYD. P/N. 6025203

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



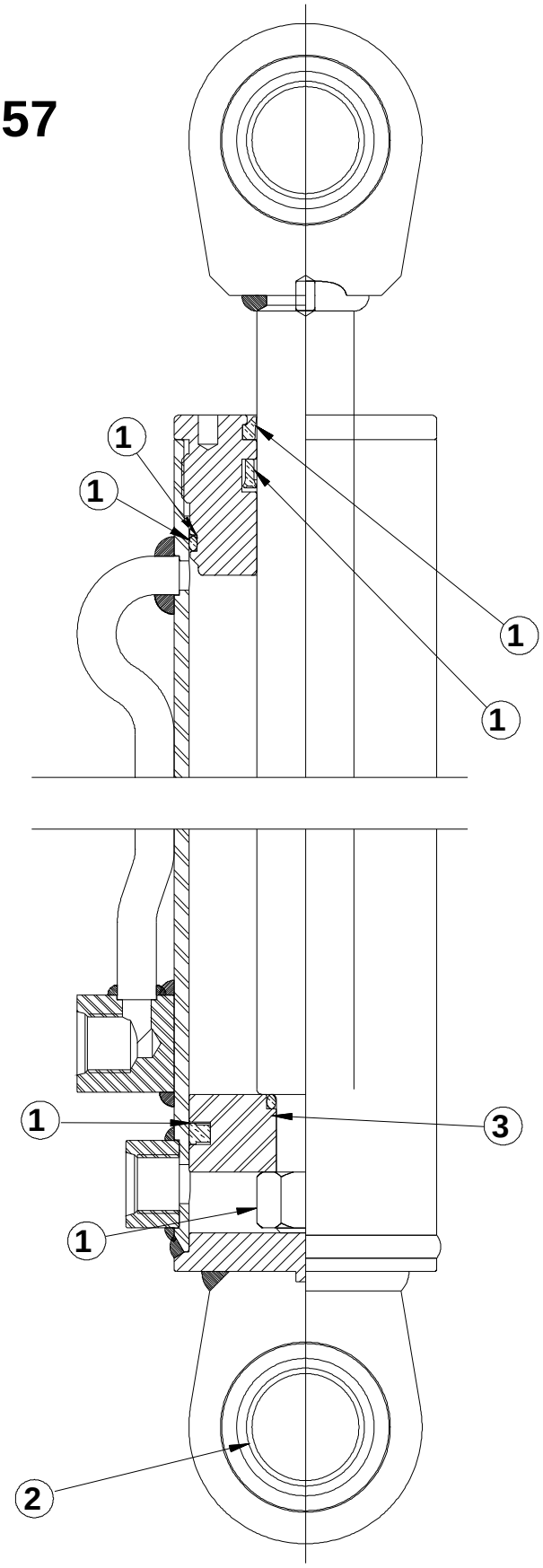






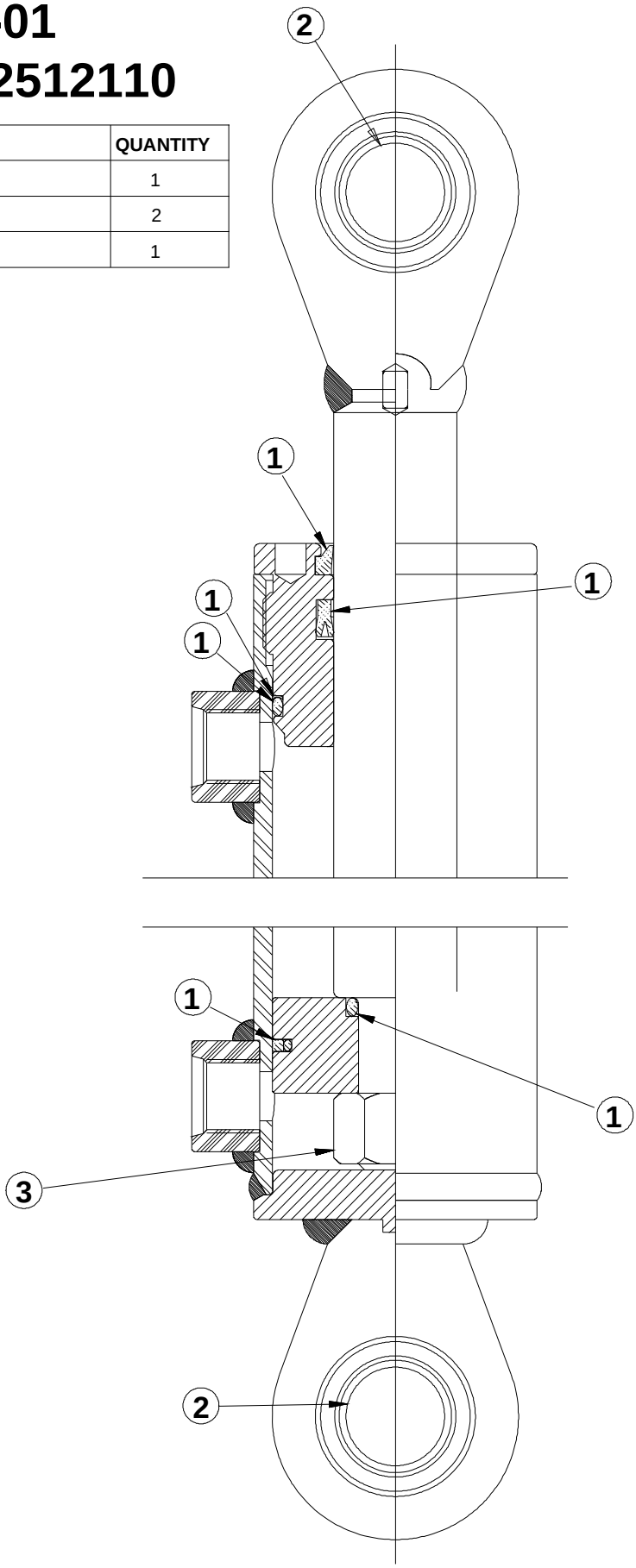
ROADTEC P/N. 144897-01
SOUTHERN HYD. P/N. 3012157

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



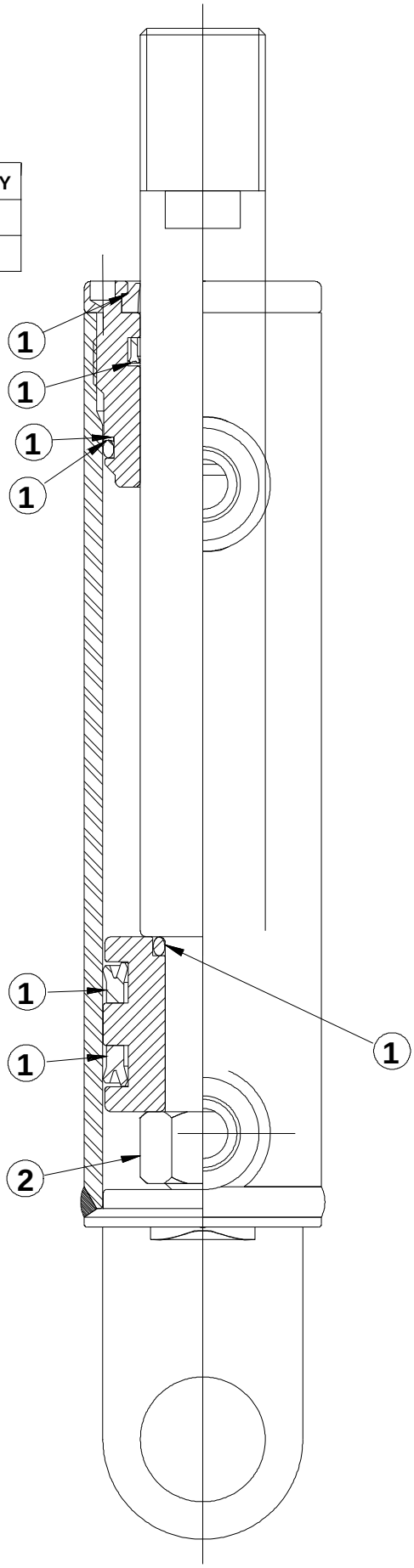
ROADTEC P/N. 144898-01
SOUTHERN HYD. P/N. 2512110

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



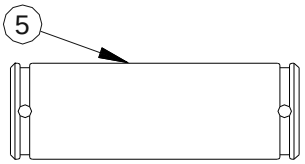
ROADTEC P/N. 144899-01
SOUTHERN HYD. P/N. 2012045

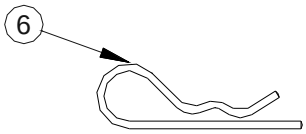
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144899-01-C1	SEAL KIT	1
2	97482-01-C8	3/4" LOCK NUT	1



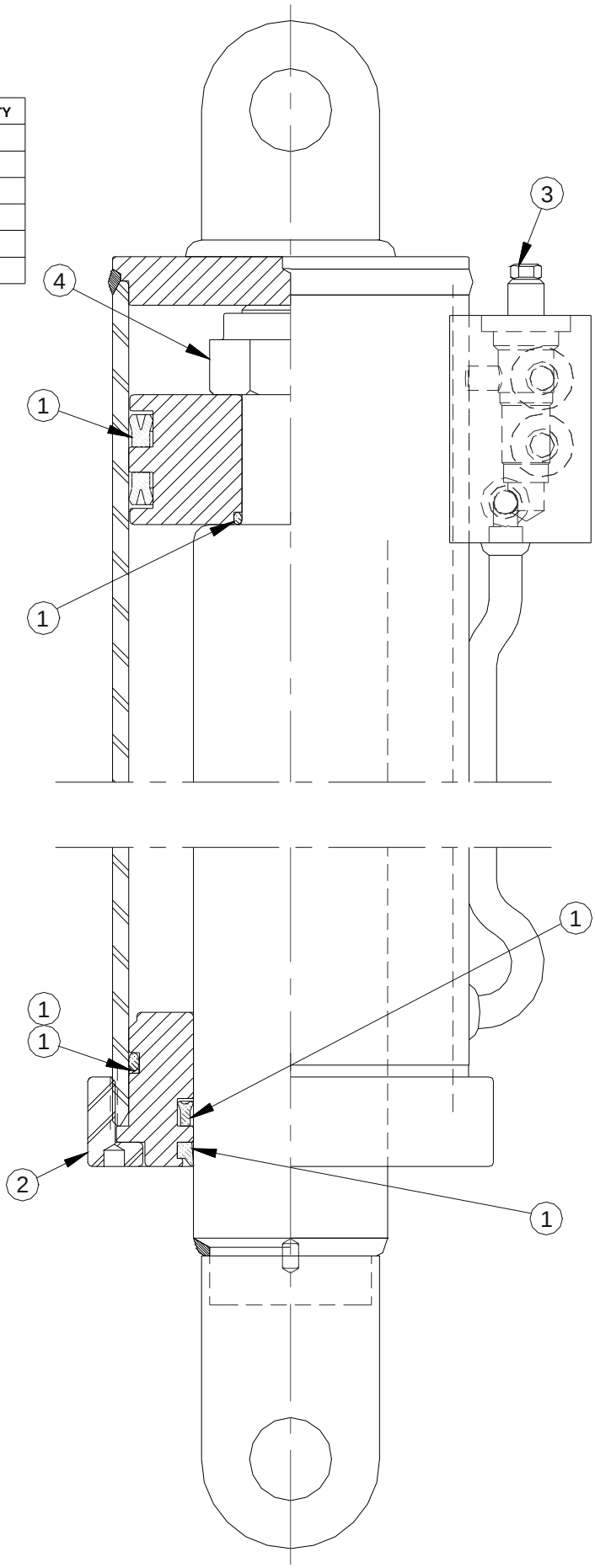
ROADTEC P/N. 144900-01
SOUTHERN HYD. P/N. 5030260

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



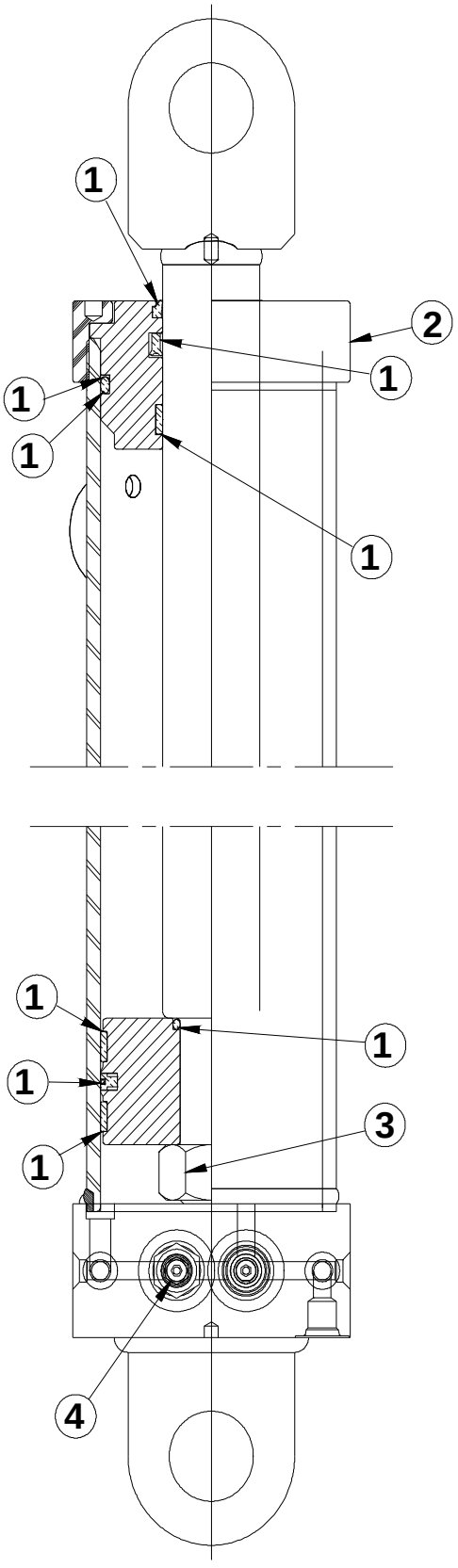


12/F



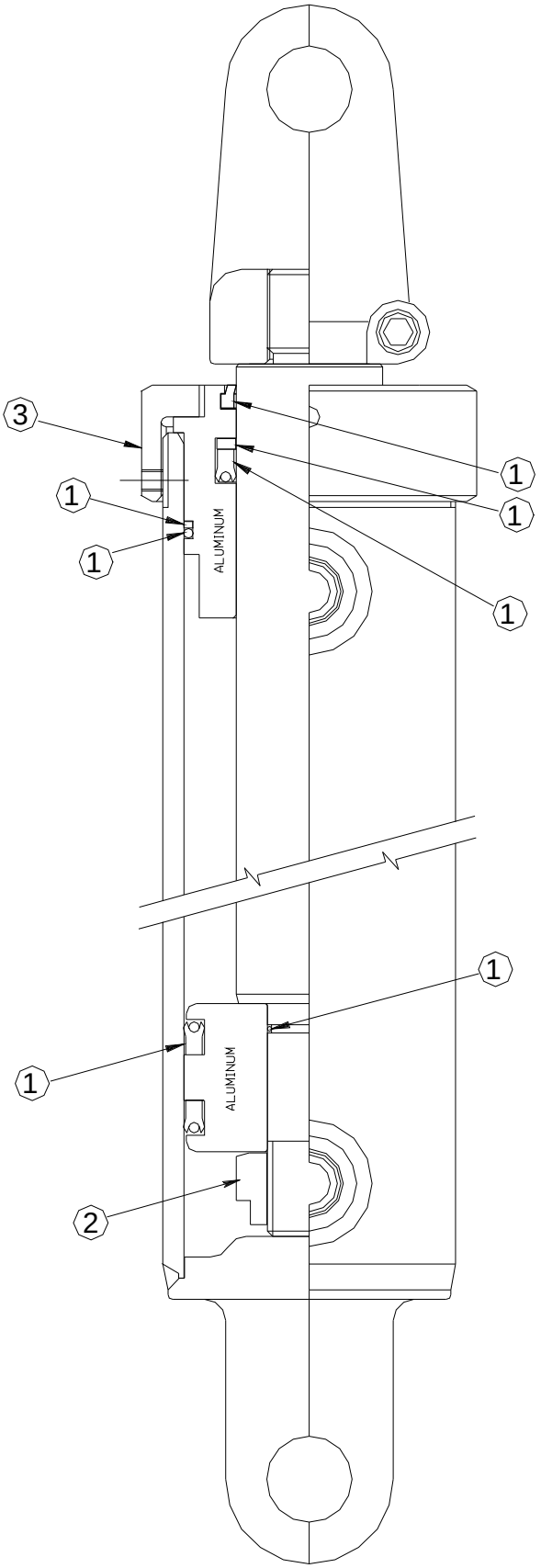
ROADTEC P/N. 144901-01
SOUTHERN HYD. P/N. 4017210

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



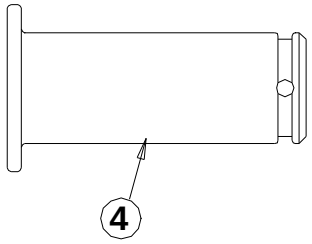
ROADTEC P/N. 93833-02
TEXAS HYD. P/N. TH3008028CA

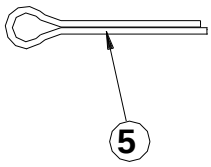
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	93833-02-C1	SEAL KIT	1
2	93833-02-C6	LOCK NUT	1
3	93833-02-C5	HEAD CAP	1
4	89032-04	CLEVIS PIN	2
5	89034-04	COTTER PIN	2

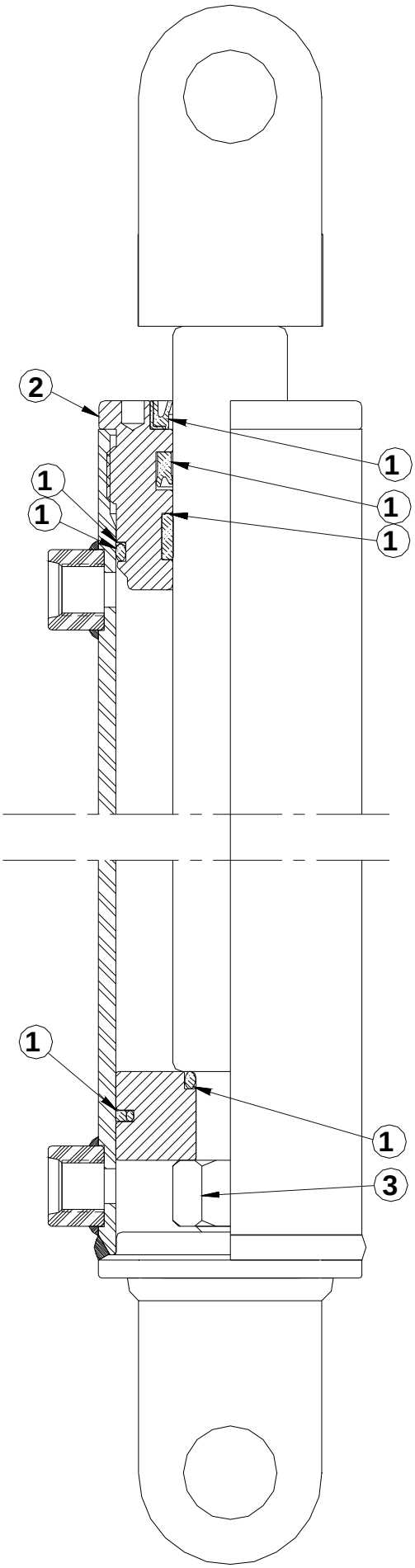


ROADTEC P/N. 97482-01
SOUTHERN HYD. P/N. 2512122

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

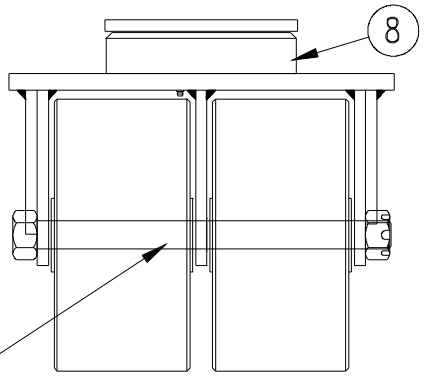


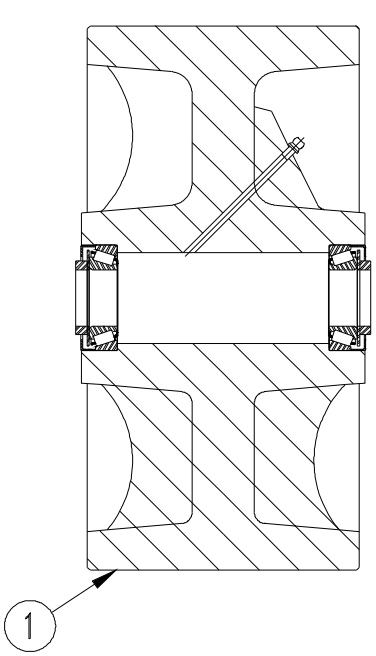


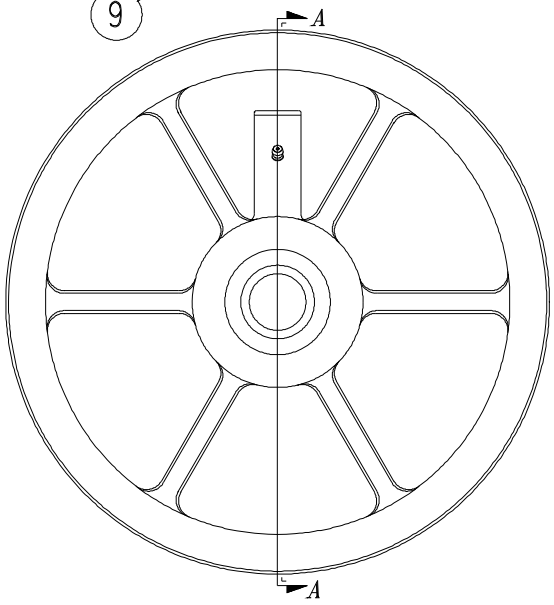


ROADTEC P/N 132001-04
RWM P/N PSB-100-F-15

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*

