ROADTEC SB-2500C MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 201026-C
S/N. 660 & UP
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ROADTEC
an Astec company

HOW TO ORDER PARTS

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

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

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

ROADTEC INC. / PARTS DEPARTMENT
2909 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
MONDAY-FRIDAY 7:00AM – 8:30PM EASTERN
SATURDAY 7:00AM – 12:00PM EASTERN
PHONE : (423) 622-9202 **TOLL FREE : 1-877-266-8882**
PARTS FAX : 423-622-9072 **USED SALES FAX : 423-622-7318**

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

THIS IS ABSOLUTELY NECESSARY.

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

W A R R A N T Y

Manufacturer (Roadtec, Inc.) warrants, commencing with the date of shipment to first end-user and for a period of 12 months thereafter of 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. Manufacturer's obligation hereunder shall be confined to such repair or replacement and does not include any charges, direct of indirect, for removing or replacing defective machinery or parts.

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 as far as wear or abuse.

No warranty shall apply to machinery, or parts or accessories which have been furnished, 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. 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.

The foregoing warranties are in lieu of all other warranties expressed or implied including but not limited to any warranty or merchantability of 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 not warranties which extend beyond the description on the face hereof.

ROADTEC, INC.
Chattanooga, Tennessee

GENERAL INFORMATION

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

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

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

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

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

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

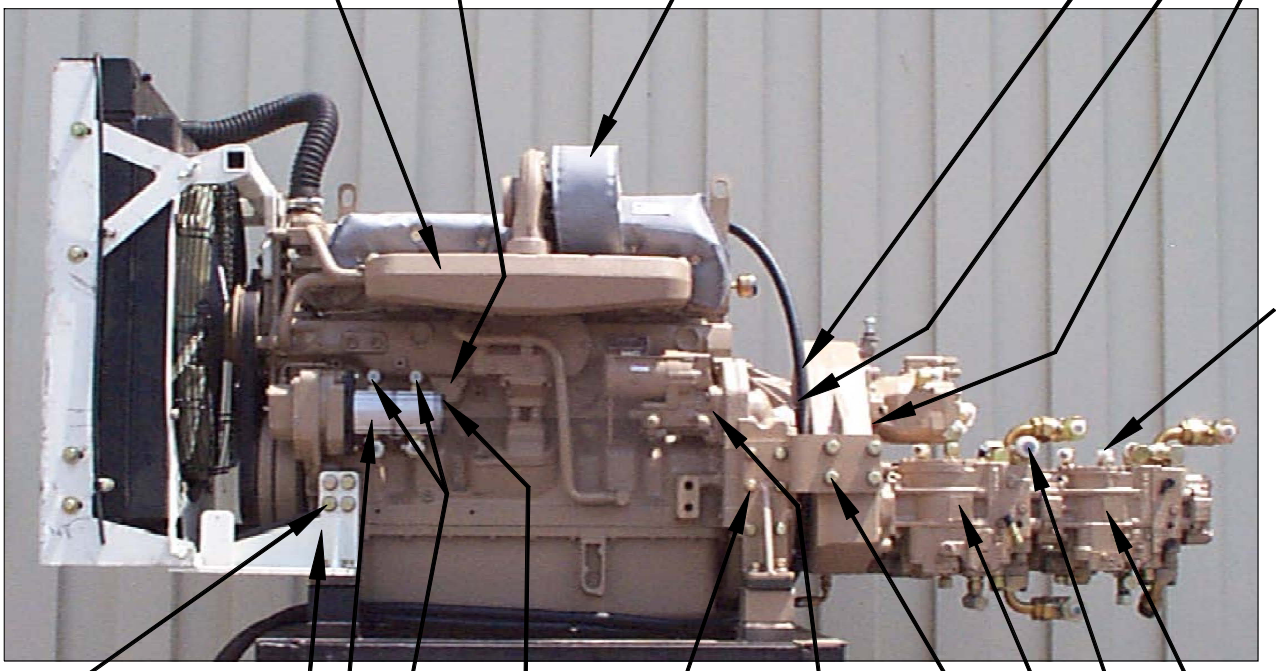
MACHINE RECORD **DATE PURCHASED** _____

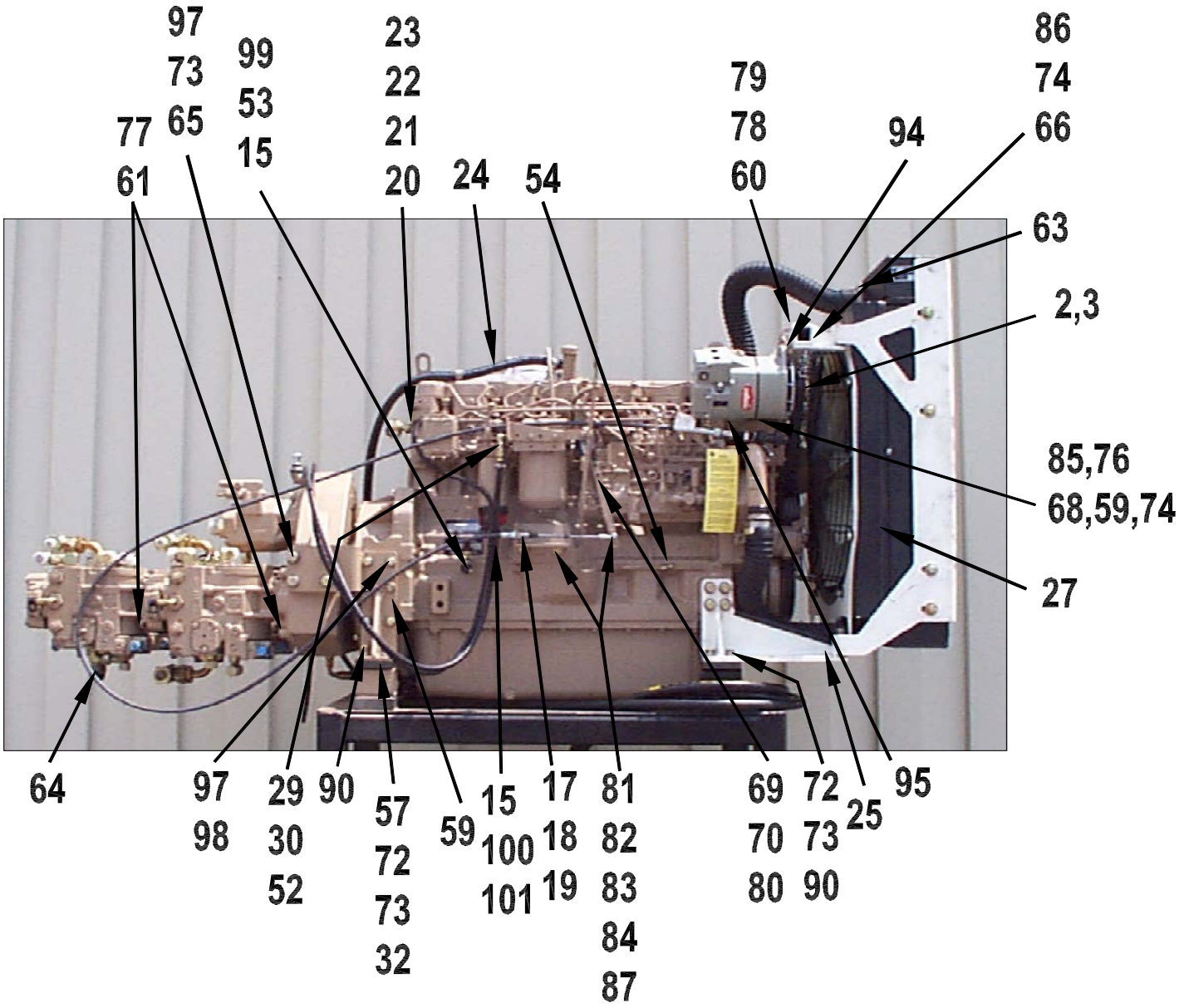
MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:
ENGINE MAKE:
SERIAL NO.:
MODEL NO.:
SCREED MODEL:
SERIAL NO.:
CATALOG NO.:

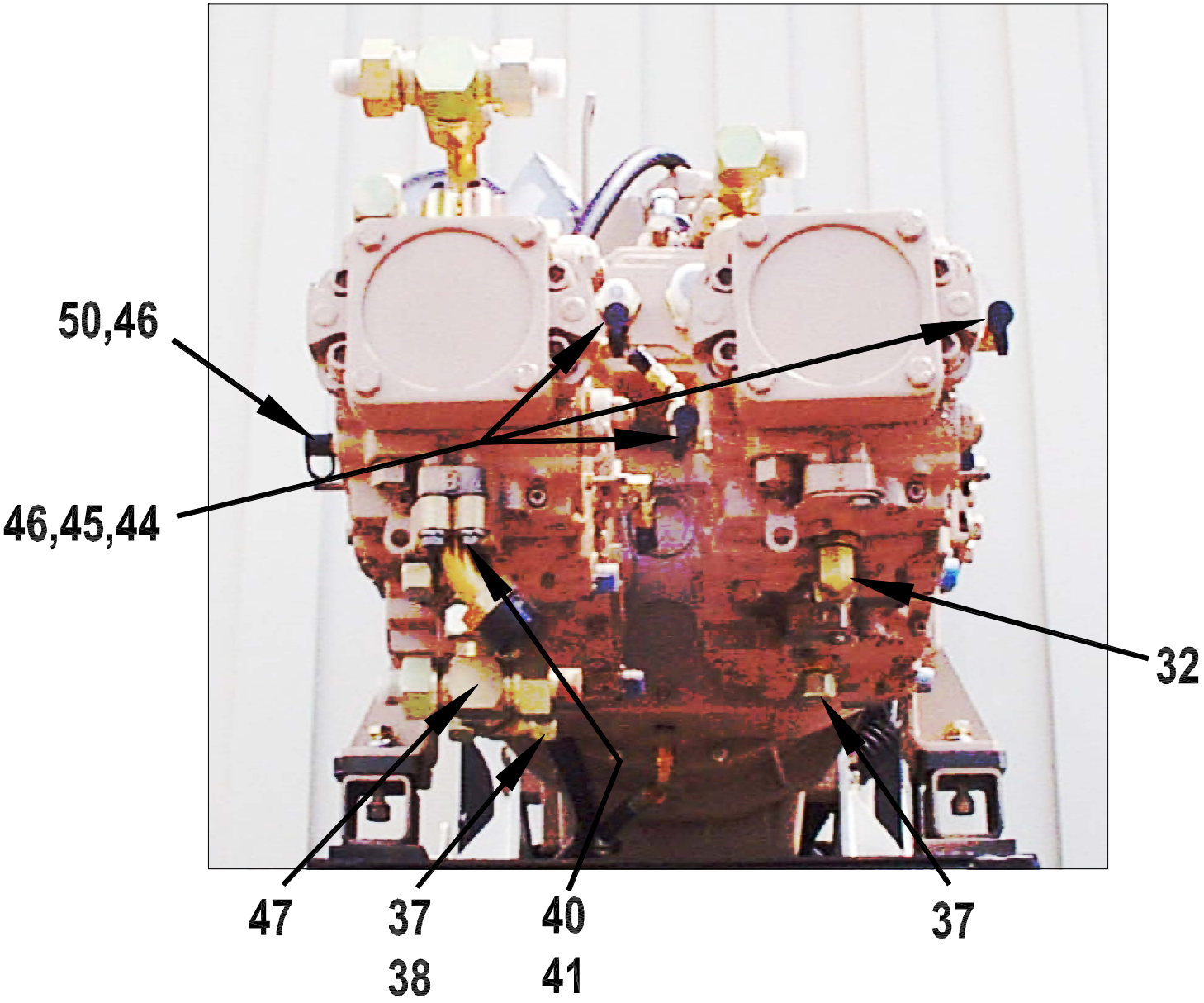
SECTION 1 : ENGINE

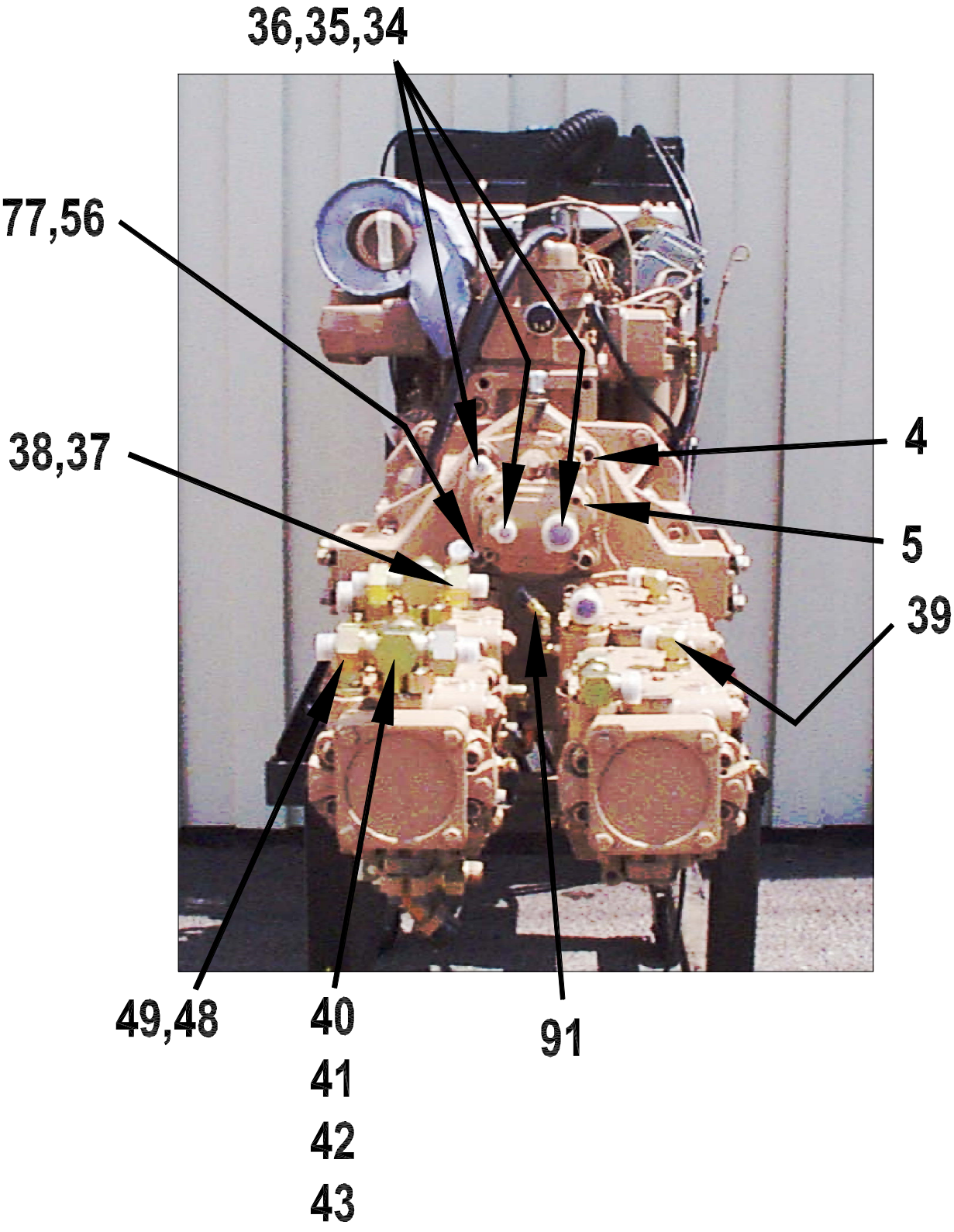
ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE – PUMPS	200683-01	640 & UP	1.1
ENGINE – RADIATOR	200698-01	640 & UP	1.7
ENGINE – EXHAUST	200525-01	640 & UP	1.11

SB-2500C ENGINE ASSEMBLY
(200683-01)




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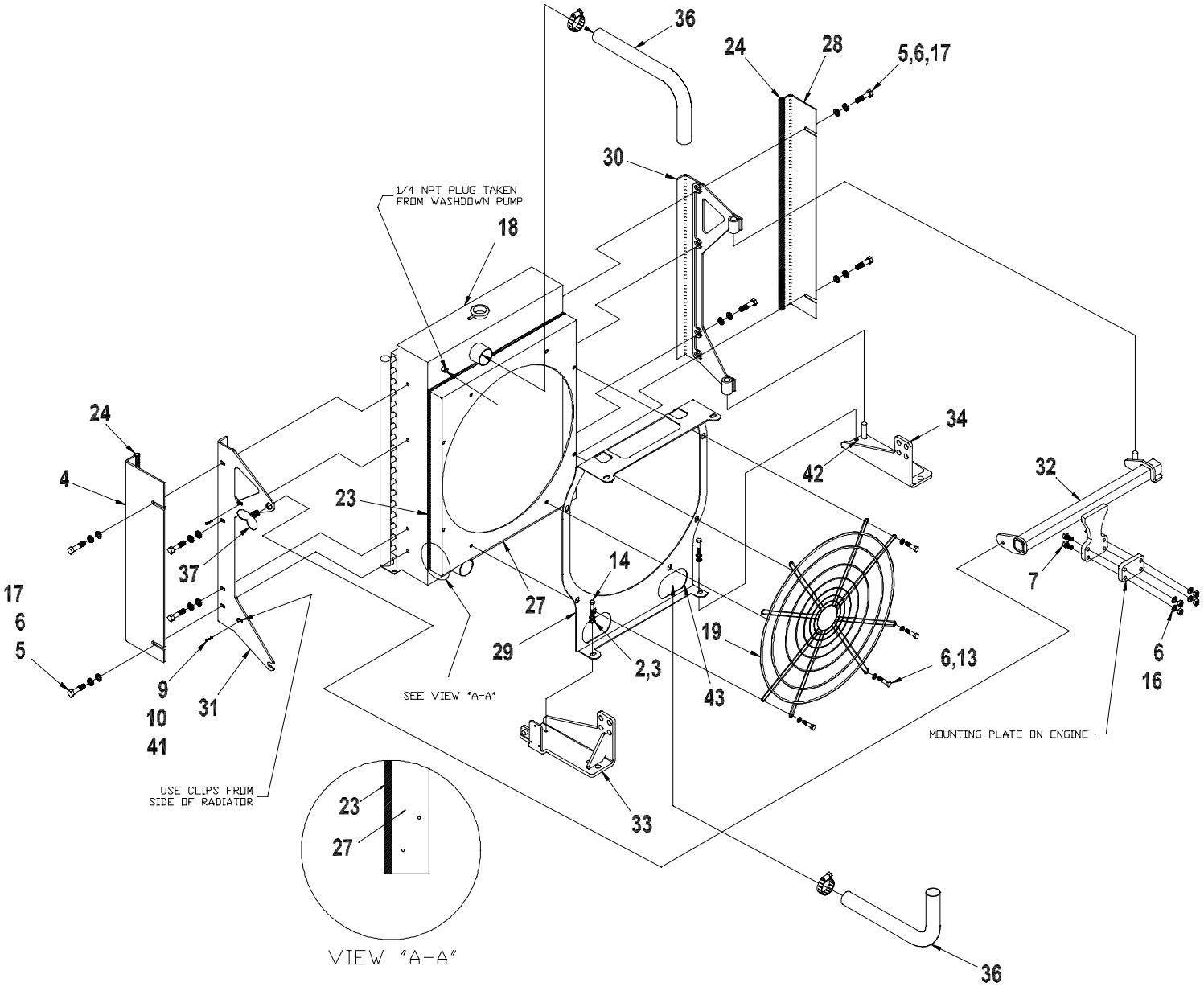
SB-2500C ENGINE ASSEMBLY.
(200683-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	140349-03	ENGINE - J. DEERE 8.1L 275 HP	1
2	89687-04	ALTERNATOR 12/24 VOLT W/ FAN	1
3	130176-01-C2	ALTERNATOR PULLEY	1
4	144422-01	PUMP DRIVE GEAR BOX (DURST)	1
5	128178-04	AUX. PUMP REXROTH AA10V45	1
6	99814	C-1 & C-2 DRIVE PUMP SUNSTRAND 90/100	2
7	29J94	C-3 DRIVE PUMP SUNSTRAND 90/75	2
8	92775	FLANGE ADAPTER - 16 JIC X 16 FLG. 90 CODE 62	2
9	137454-04	FUME-X PUMP TANDAM CASAPPA PLP 30.22	1
10	141615-01	DRIVE PLATE SPRING COUPLING	1
11	137838-04	HOUR METER	1
12	143867-03	HOUR METER BRACKET	1
13	147670-03	TEMP. SENDER PLUG	1
14	145331-01	LT. FRONT MOTOR MOUNT	1
15	137839-04	PSI SWITCH	2
16	143258-04	TEMP. SENDER	1
17	84496-04	THROTTLE CABLE ROD END	1
18	140662	THROTTLE CABLE	1
19	140549-01	THROTTLE BRACKET	1
20	50P03	FUEL RETURN LINE BUSHING 1/4" X .30 WA.	2"
21	130860	FUEL LINE CLAMP	4
22	92785-04	FUEL LINE - 1/4" X 10'	1
23	80132-04	FUEL LINE - 3/8" X 10'	1
24	91321-04	OIL BREATHER TUBE - 3/4" X 12'	1
25	143011-01	RT. FRONT MOTOR MOUNT	1
26	140613	TURBO BLANKET KIT	1
27	200698-01	RADIATOR ASSEMBLY	1
28	140016-02L	LT. REAR MOTOR MOUNT	1
29	83953-04	6 JIC SWIVEL 90	1
30	132960-04	6 JIC X 1/4 NPT FM. STRAIGHT	1
31	123831	10 SAE X 8 JIC 90	2
32	85148	NUT, HEX 5/8 - 11	8
33	96597	12 X 16 JIC ADAPTER	2
34	97551	10 SAE X 12 JIC 90	2
35	85874-04	16 SAE X 12 JIC ST.	1
36	83768-04	24 SAE X 24 JIC STRAIGHT	1
37	83457-04	12 SAE X 12 JIC STRAIGHT	4
38	90952-04	12 JIC SWIVEL 45	1
39	97168	20 SAE X 20 JIC 90	2
40	90729	# 16 FLANGE KIT	8
41	95981	16 X 20 JIC FLG. 90	5
42	99556	20 JIC SWIVEL BRANCH TEE	3
43	83958-04	20 JIC X 12 JIC REDUCER	6
44	83734-04	6 SAE X 6 JIC 90	7
45	131680-04	# 6 JIC TEST PORT	7
46	85949-04	TEST PORT CAP	9
47	89898-04	12 JIC BRANCH TEE	1
48	91660	16 SAE X 16 JIC 90	2
49	84654-04	16 JIC SWIVEL 90	2
50	85948-04	6 SAE TEST PORT	2

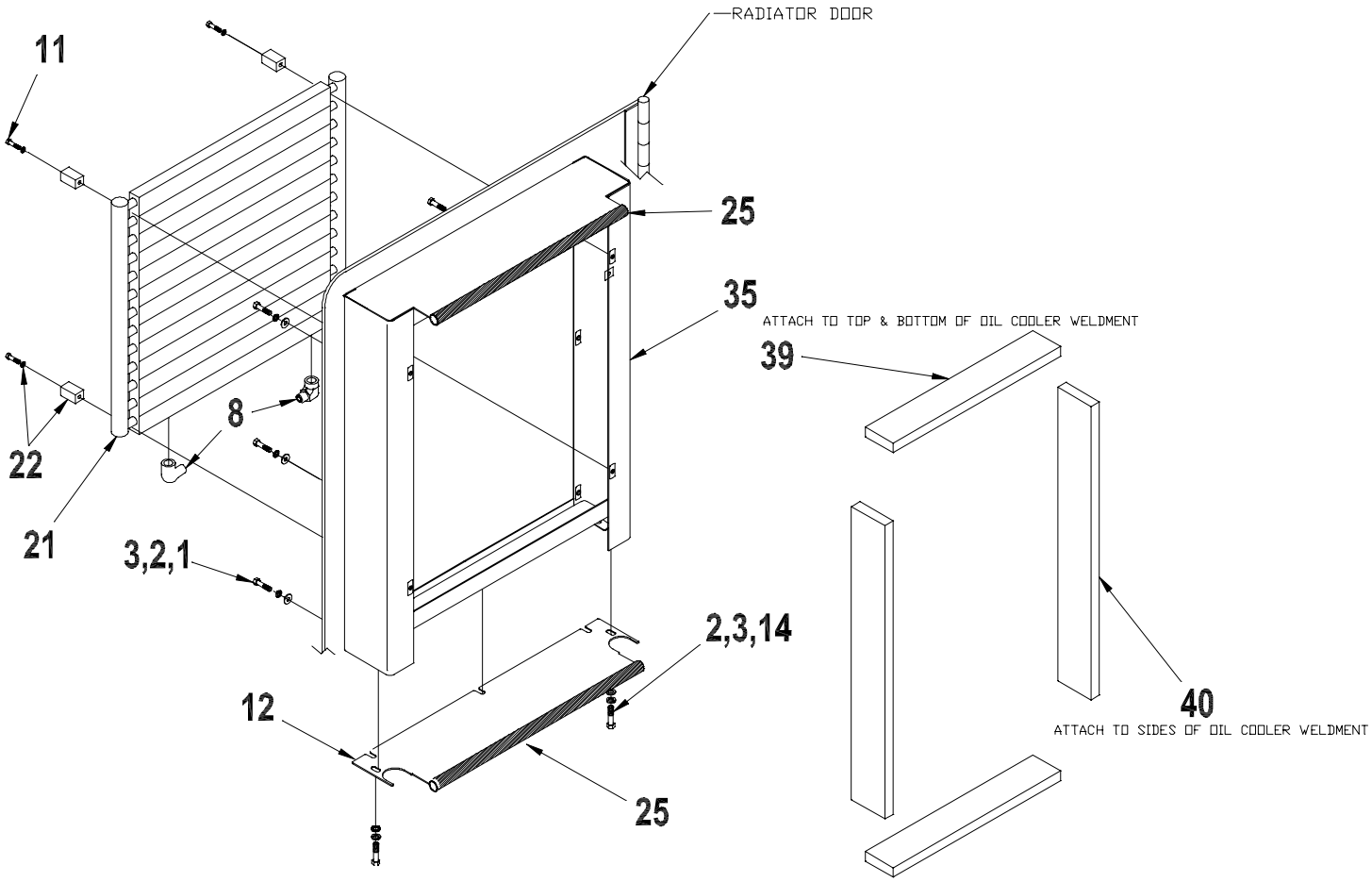
SB-2500C ENGINE ASSEMBLY
(200683-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	85303-04	12 SAE RUN TEE	1
52	80349-04	1/4" NPT X 3/8" BARB	1
53	84566-04	1/8" NPT RUN TEE	1
54	84560-04	1/8 X 4 JIC 90	1
55	97408	BOLT, HEX 5/8 - 11 X 2 3/4"	8
56	86164	BOLT, HEX 1/2 - 13 X 1 1/4""	20
57	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	8
58	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	12
59	140016-02R	RT. REAR MOTOR MOUNT	1
60	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	5
61	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	18
62	97027	BOLT, SOC. HD. 3/8 - 16 X 3/4"	8
63	98247	1/4" NPT PLUG	1
64	99534	16 X 20 JIC FLG. 45	1
65	27D22	NUT, JAM 5/8 - 11	8
66	84674	BOLT, HEX 1/2 - 13 X 2"	4
67	200525-01	EXHAUST ASSEMBLY	1
68	94437	BOLT, HEX 1/2 - 20 X 6 1/2"	2
69	O1157	BOLT, SOC. HD. 6mm X 16	2
70	89297	BOLT, HEX 5/16 - 18 X 1"	2
71	OO876	BOLT, HEX 3/8 - 16 X 2 1/2"	6
72	84717	LOCKWASHER 5/8"	40
73	26F83	HARD WASHER 5/8"	36
74	83317	LOCKWASHER 1/2"	35
75	10D63	HARD WASHER 1/2"	14
76	83781-04	FLAT WASHER 1/2"	18
77	O5707	CONICAL WASHER 1/2"	20
78	83056	LOCKWASHER 3/8"	6
79	83757	FLAT WASHER 3/8"	6
80	83065	LOCKWASHER 1/4"	2
81	87328-04	LOCKWASHER 5/16"	2
82	90871	FLAT WASHER 5/16"	2
83	89772	NUT, HEX 1/4 - 20	1
84	121839	NUT, LOCK 1/4 - 20	1
85	84689	NUT, HEX 1/2 - 20	1
86	83288	NUT, HEX 1/2 - 13	4
87	87953-04	NUT, HEX 5/16 - 18	1
88	88960	LOCTITE # 242	1
89	84021-04	SILICONE RTV ULTRA-BLUE	1
90	96041	BOLT, HEX 5/8 - 11 X 2"	8
91	90768-04	6 JIC 45 SWIVEL	1
92	142804-04	ENGINE DRAIN TAG	1
93	142903-01	DURST UNIT OIL DRAIN HOSE ASSY.	1
94	140511-03	JD. UPPER ALTERNATOR BRACKET	1
95	141677-04	JD. LOWER ALTERNATOR BRACKET	1
96	140508-04	THROTTLE BRACKET	1
97	27K64	STE SCREW 5/8 - 11 X 3"	4
98	147246-01	AIR INTAKE ASSY.	1
99	143257-04	OIL PRESSURE SENDER	1
100	80169	1/8" NPT CLOSE NIPPLE	1
101	92792	1/8" NPT COUPLING	1

SB-2500C RADIATOR ASSEMBLY
(200698-01)

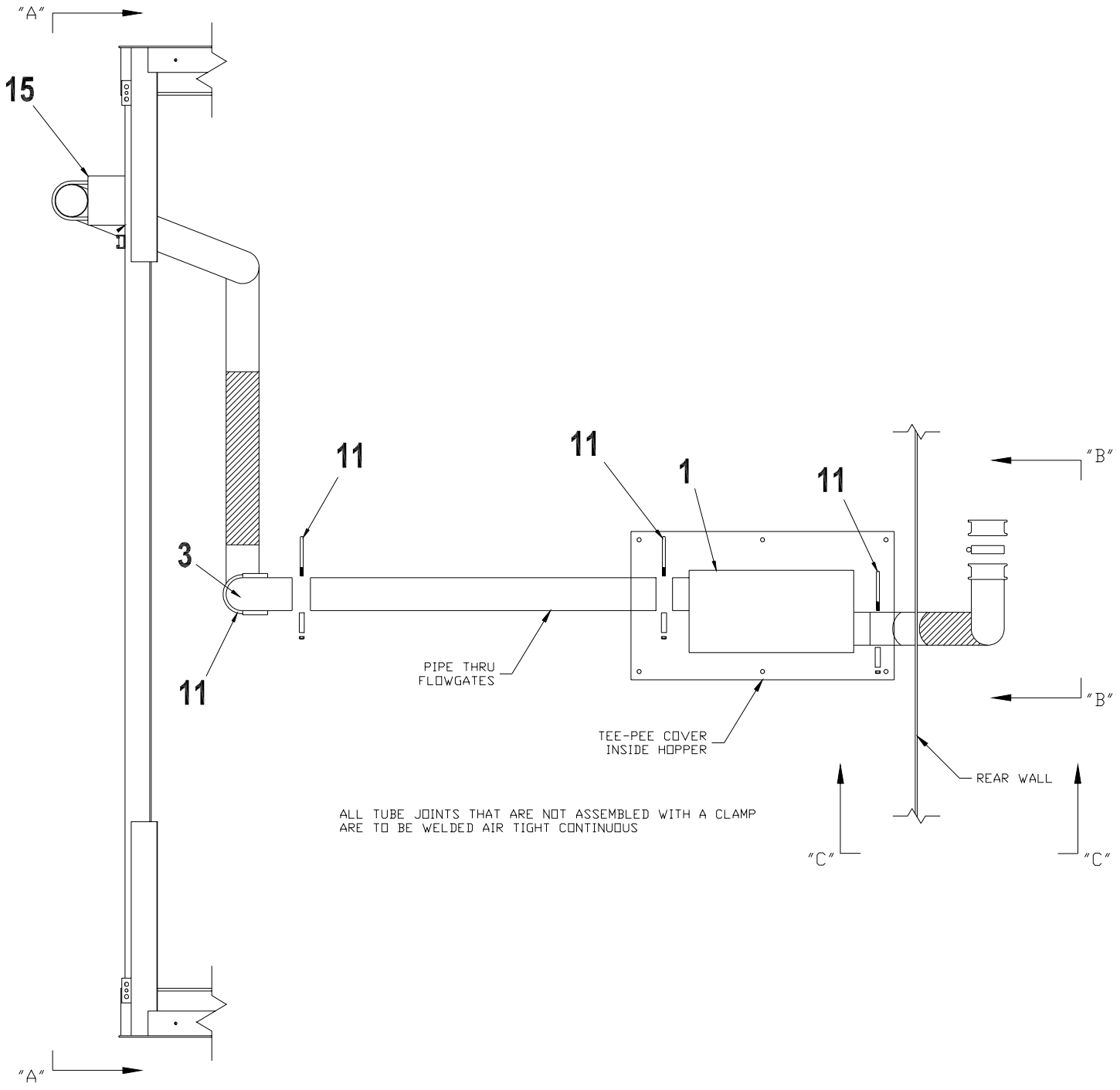


SB-2500C RADIATOR ASSEMBLY
(200698-01)

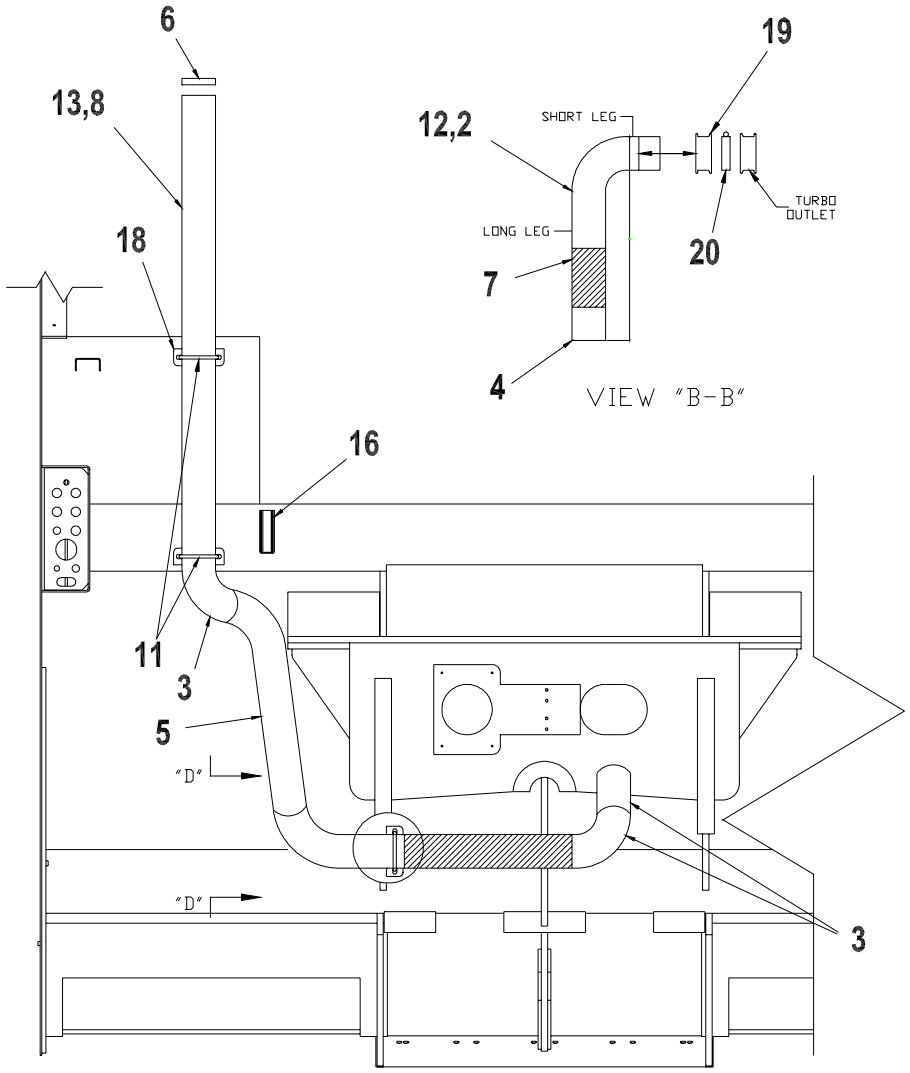


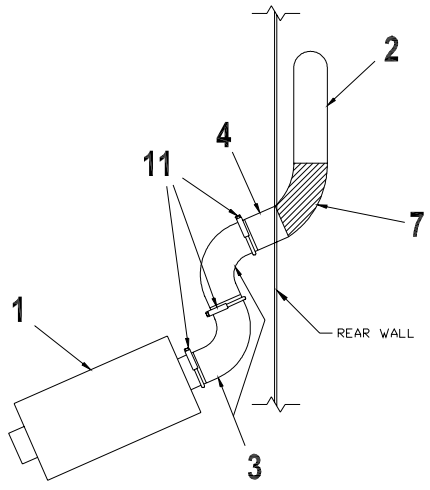
SB-2500C RADIATOR ASSEMBLY
(200698-01)

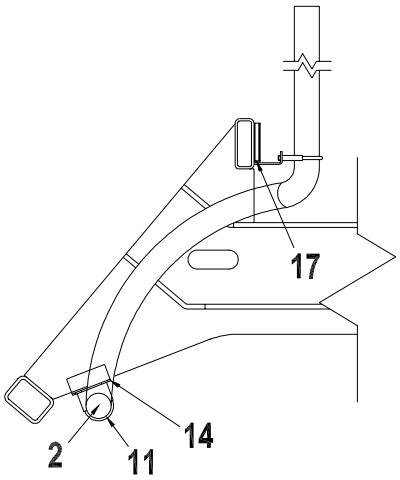
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	84332	BOLT, HEX 3/8 - 16 X 1"	8
2	83056	LOCKWASHER 3/8" SPRING STEEL	21
3	83757	FLAT WASHER 3/8" STEEL	15
4	145189-03L	RADIATOR SEAL PLATE	1
5	83781-04	FLAT WASHER 1/2" STEEL	8
6	83317	LOCKWASHER 1/2" SPRING STEEL	20
7	84674	BOLT, HEX 1/2 - 13 X 2"	4
8	97168	FITTING - 20 JIC X 20 SAE ELBOW	REF
9	83065	LOCKWASHER 1/4" SPRING STEEL	2
10	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	2
11	90506	BOLT, HEX 5/16 - 18 X 2 1/2"	4
12	142308-03	BOTTOM RADIATOR COVER	1
13	83754	BOLT, HEX 1/2 - 13 X 1"	8
14	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	7
15	OO876	BOLT, HEX 3/8 - 16 X 2 1/2" 9 (FAN SPACER)	6
16	83288	NUT, HEX 1/2 - 13	4
17	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	8
18	99872-01	RADIATOR	1
19	120839	FAN GUARD	1
20	140480	FAN (NOT SHOWN / SUPPLIED WITH ENGINE)	1
21	29H03	HYDRAULIC OIL COOLER	1
22	15W48	OIL COOLER MOUNTING KIT	4
23	128936	MOLDING - 5/8" TRIM X 1/8" EDGE X 168" LG.	1
24	129894	MOLDING - 5/8" TRIM X 1/8" EDGE X 40" LG.	2
25	129894	MOLDING - 5/8" TRIM X 1/8" EDGE X 25" LG.	2
26	N/A	1/4" NPT PLUG	1
27	93247-04	DRAIN COCK - 1/4" NPT	1
28	145189-03R	RIGHT RADIATOR SEAL PLATE	1
29	143383-02	FAN SHROUD	1
30	142837-01	RIGHT RADIATOR SUPPORT	1
31	142838-01	LEFT RADIATOR SUPPORT	1
32	142995-01	UPPER RADIATOR SUPPORT	1
33	N/A	LEFT FRONT MOTOR MOUNT	
34	N/A	RIGHT FRONT MOTOR MOUNT	
35	200697-01	OIL COOLER HOUSING	1
36	142297-01	RADIATOR HOSE	1
37	135982-04	WING BOLT 1/2"	1
38	142743-03	FAN SPACER (NOT SHOWN)	1
39	10377	INSULATION - 1" THK. FOAM X 3" X 30"	2
40	10377	INSULATION - 1" THK. FOAM X 3 1/2" X 34"	2
41	84444	FLAT WASHER 1/4"	2
42	98550-04	MOLDING - INTERLOCK 1/2" X 11 1/2"	2
43	86505-04	MOLDING - INTERLOCK 3/8" X 14"	1
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"A"
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"B"
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PIPE THRU
FLOWGATES
TEE-PEE COVER
INSIDE HOPPER
"B"
REAR WALL
ALL TUBE JOINTS THAT ARE NOT ASSEMBLED WITH A CLAMP
ARE TO BE WELDED AIR TIGHT CONTINUOUS
"C"
"C"
"A"

ENGINE EXHAUST ASSEMBLY
(200525-01)







ENGINE EXHAUST ASSEMBLY
(200525-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	92086-03	MUFFLER	1
2	93130	LONG ELBOW - 4" OD X 16 GA. 90 (A-513)	2
3	29H38	SHORT ELBOW - 4" OD X 16 GA. 90 (A-513)	5
4	142895	SHORT ELBOW - 4" OD X 16 GA. 45 LN ELBOW	1
5	120696-04	FLEX EXHAUST TUBE - 4" OD X 42 LG	1
6	120696-04	FLEX EXHAUST TUBE - 4" OD X 21 LG	1
7	120696-04	FLEX EXHAUST TUBE - 4" OD X 7 LG	1
8	OO930	TUBE - 4" OD X 16 GA. X 56 LG (A-513)	1
9	OO930	TUBE - 4" OD X 16 GA. X 4 LG (A-513)	1
10	93128	4" RAIN CAP	1
11	93129	4" MUFFLER CLAMP	9
12	201494-03	TURBO EXHAUST WRAP	1
13	201123-03	TAILPIPE EXHAUST WRAP	1
14	121908-04	MUFFLER ANGLE BRACKET	1
15	201406-04	TAILPIPE ANGLE BRACKET	1
16	11K78	ANCHOR CHANNEL X 5" LG	1
17	OO890	FL BAR - 1/8 X 1 1/2 X 3/4 (A36)	1
18	201556-04	UPPER TAILPIPE RETAINER	1
19	PURCHASED	EXHAUST V-FLANGE (SUPPLIED W/ ENGINE)	REF
20	PURCHASED	V-CLAMP (SUPPLIED WITH ENGINE)	REF

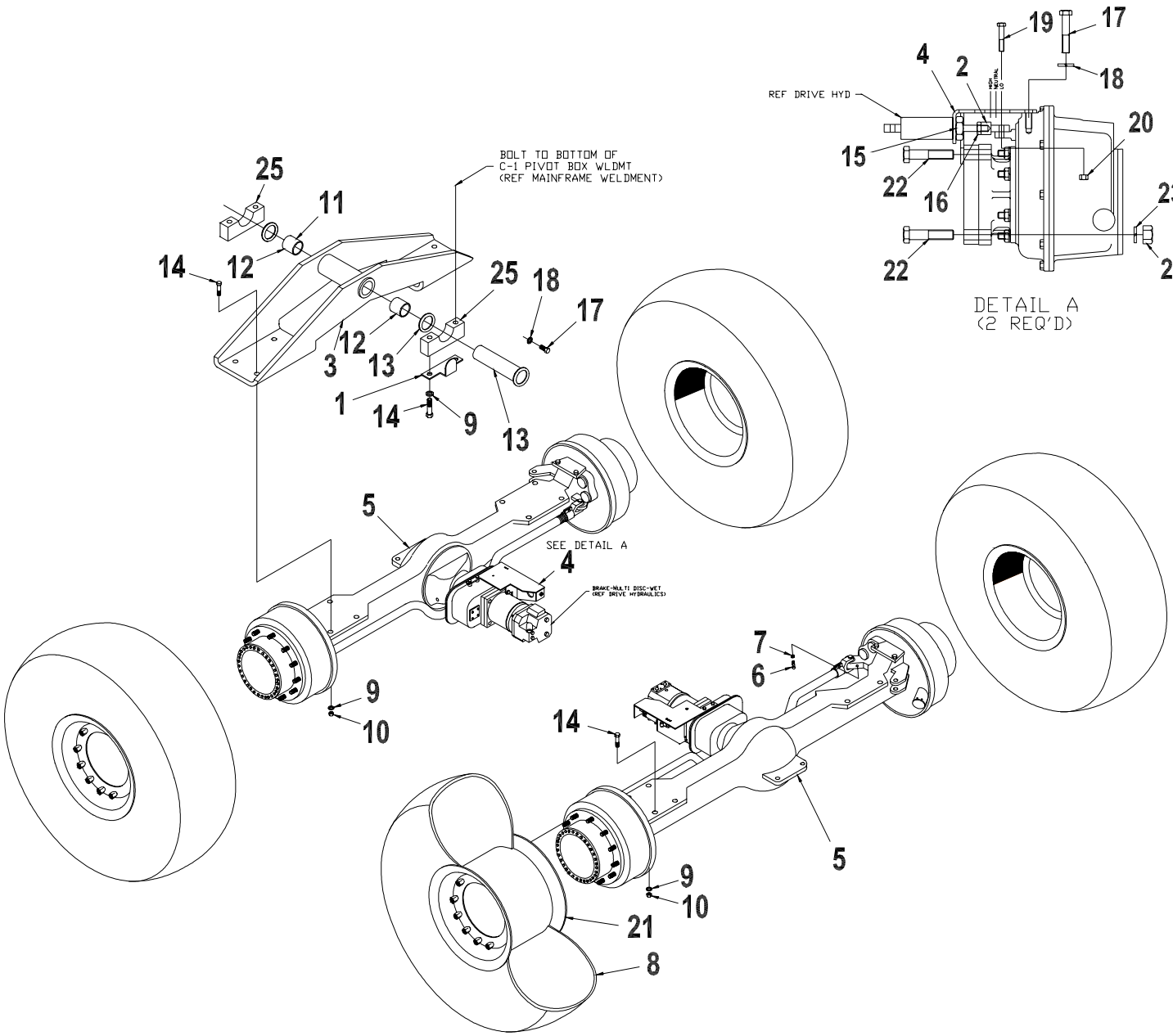
SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
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FUEL TANK & WASHDOWN	200680-01		2.3
MAINFRAME	202798-01	664 & UP	2.5
MAINFRAME	149990-01	646-663	2.9
MIRROR	202080-01	640 & UP	2.13
DECAL KIT	201632-01	652 & UP	2.15
OPERATOR'S STATION	200531-01		2.19
PLATFORM & HANDRAILS	200530-01		2.23
WARNING BEACON	200758-03		2.27

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SB-2500C FRONT & REAR AXLE ASSEMBLY

(200704-01)

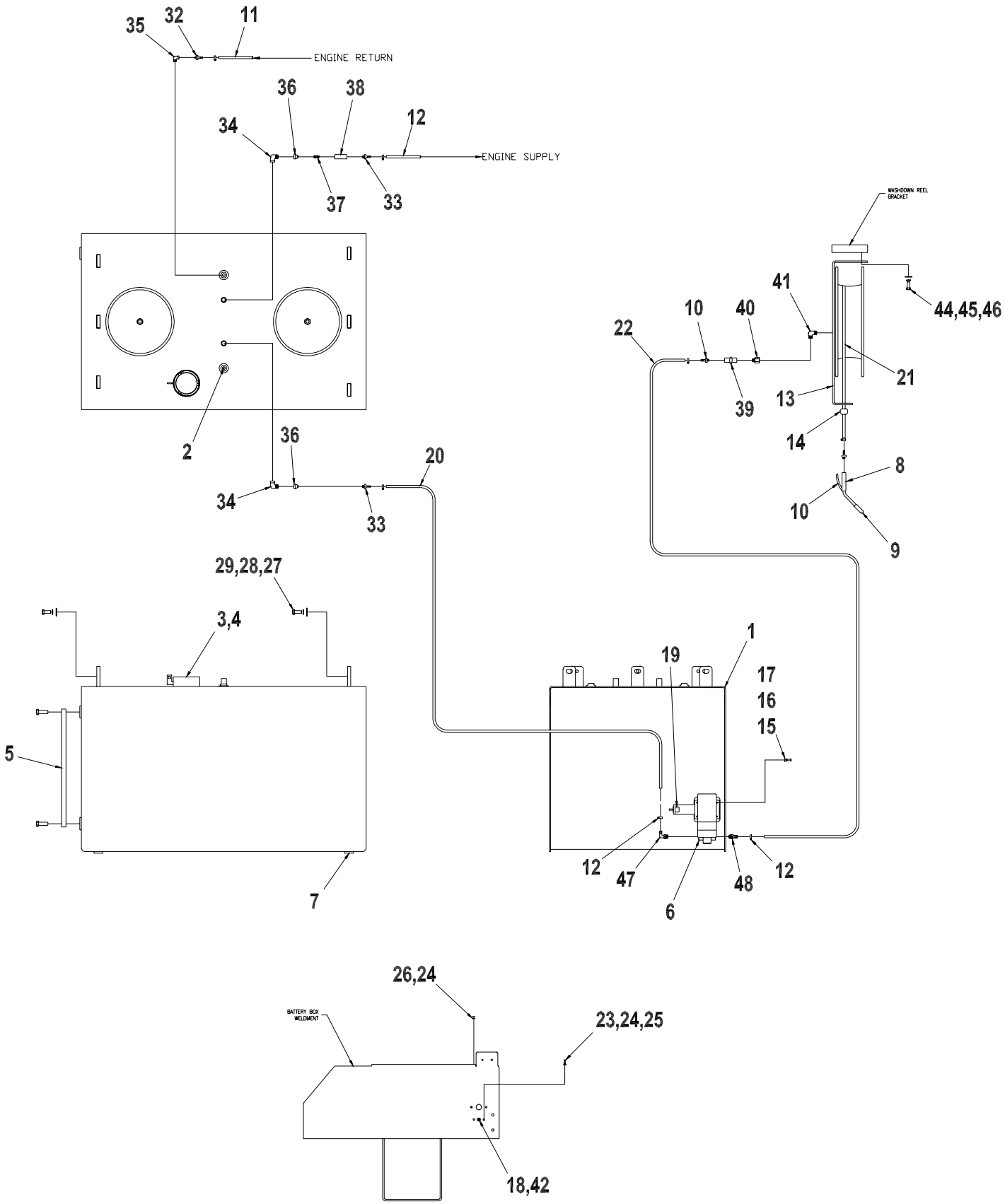


SB-2500C FRONT & REAR AXLE ASSEMBLY
(200704-01)

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 SHAFT BRACKET	2
5	140265-04	AXLE (WITH TIE RODS)	2
6	130422	SET SCREW - 26 MM X 124 MM	2
7	130422-C1	JAM NUT - 7/8-14	2
8	124467	TIRE - 21.00-25 X 28 PLY	4
9	83427	LOCKWASHER - 1" SPRING STEEL	20
10	98453	HEX NUT - 1-8 GR8	16
11	120891-04	BRONZE SPACER	2
12	29M85	DURALON BUSHING	2
13	149999-03	FRONT AXLE TRUNION PIN	1
14	99359	HEX BOLT - 1-8 X 5 GR8	20
15	147515-04	JAM NUT - 1-14 GR8	2
16	130541	JAM NUT - 1/2-20 GR8	2
17	84778	HEX BOLT - 5/8-11 X 1 1/2 GR8	4
18	84717	LOCKWASHER - 5/8 SPRING STEEL	4
19	83924	HEX BOLT - 3/8-16 X 1 1/2 GR8	2
20	92235	LOCKNUT - 3/8-16 GR8	2
21	141499-03-A4	TIRE AND RIM ASSY. FOR SB-2500B	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	200190-04	AXLE PIVOT BLOCK (2PC) REF 601 FAB CODE	REF

SB-2500C FUEL TANK & WASHDOWN ASSEMBLY

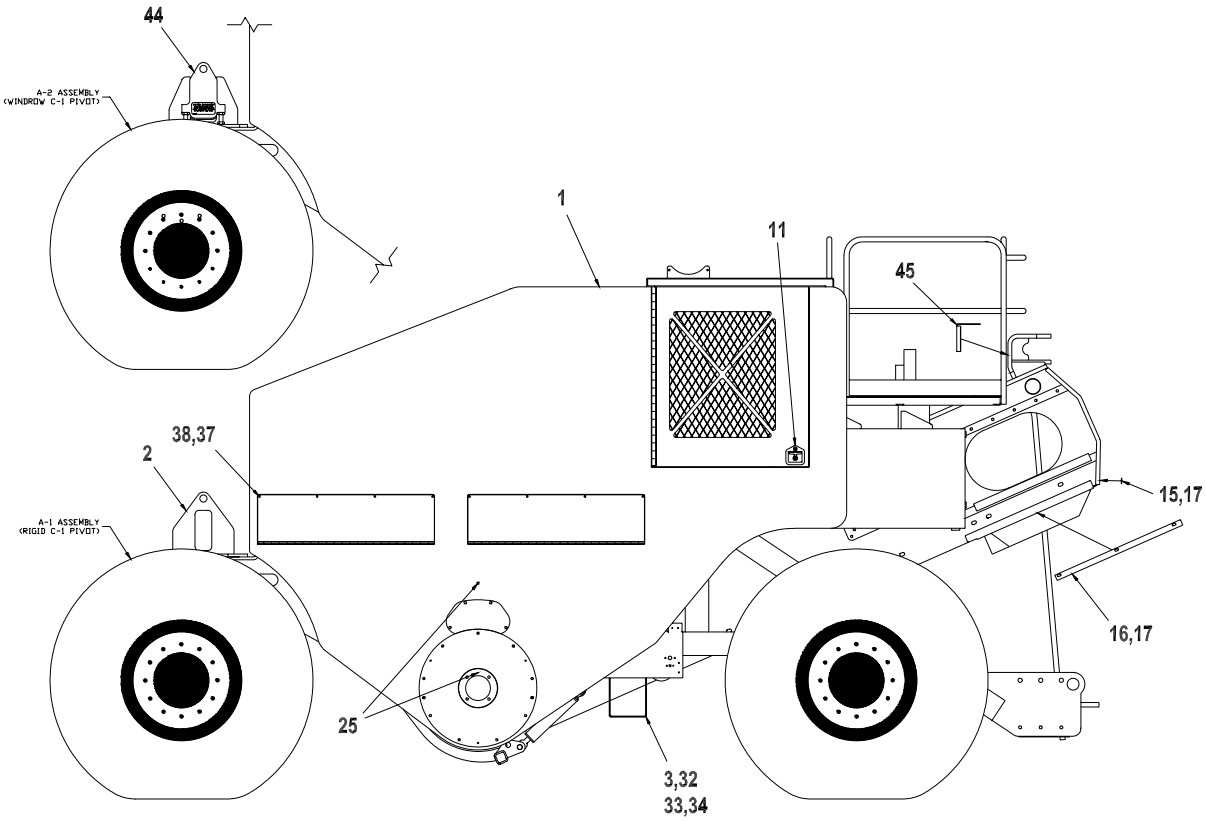
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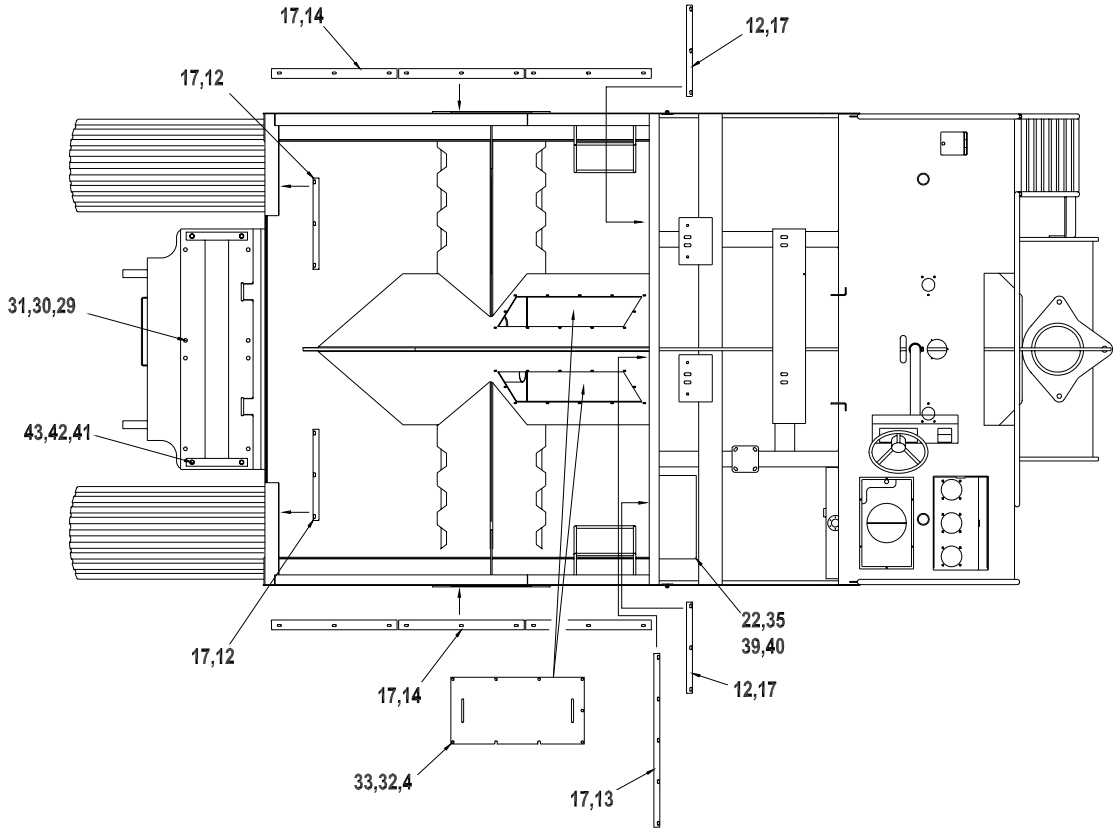


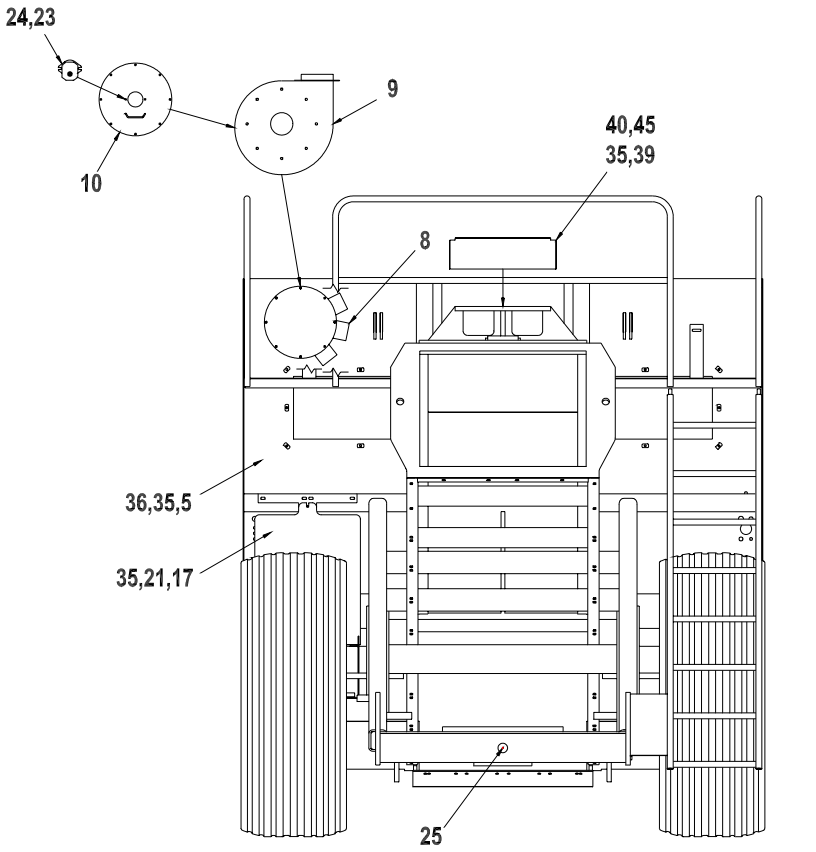
SB-2500C FUEL TANK & WASHDOWN ASSEMBLY
(200680-01)

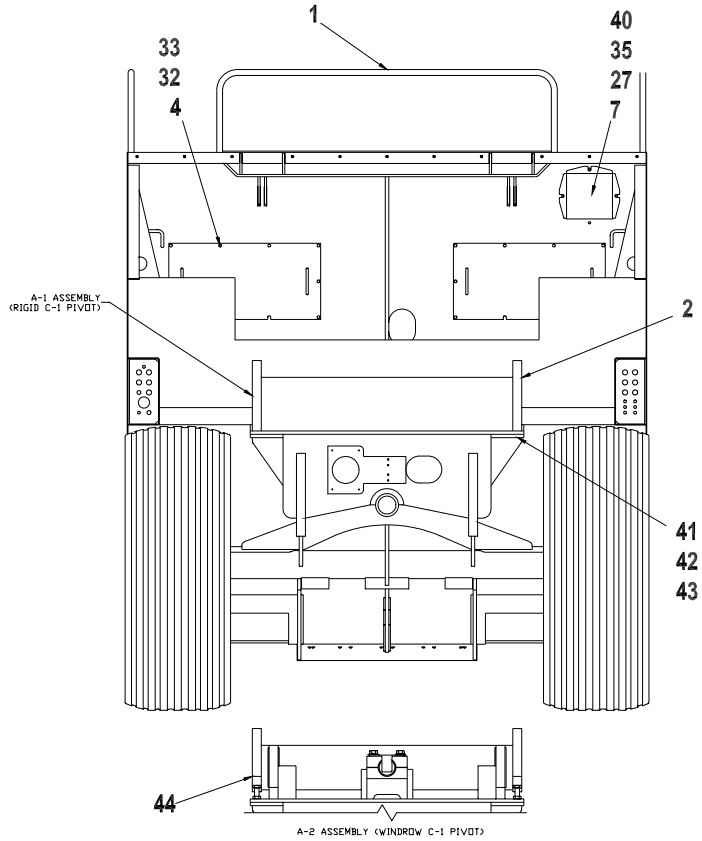
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200205-01	FUEL TANK	1
2	27X25	FUEL TANK VENT	1
3	98027	TANK CAP	1
4	803546	TANK STRAINER	1
5	29L61	SIGHT GAUGE GLASS	1
6	148819-04	FLOWJET PUMP - BUNA DIAPHRAM	1
7	97032	PIPE PLUG - 3/4 NPT HEX HD	2
8	128844	WAND	1
9	128843	NOZZLE	1
10	128842	HAND SHUTOFF	1
11	94904	1/4 HOSE CLAMP	1
12	45228	3/8 HOSE CLAMP	8
13	131616-04	COXREEL #131 CHECK BALL KIT	1
14	145619-04	RUBBER STOP	1
15	89988-04	HEX BOLT - 1/4-20 X 3/4 GR8	4
16	83065	LOCKWASHER - 1/4 SPRING STEEL	4
17	84444	FLAT WASHER - 1/4 STEEL	4
18	90930-04	40 AMP BREAKER	1
19	13E68	TOGGLE SWITCH	1
20	80132-04	3/8 FUEL HOSE X 100' LONG	2
21	80132-04	3/8 FUEL HOSE X 600"	1
22	80132-04	3/8 FUEL HOSE X 70"	1
23	91207-04	SLOTTED HEAD SCREW - 10-32 X 1 1/4	2
24	92552	FLAT WASHER # 10	4
25	90103	LOCKWASHER #10	2
26	90102	HEX NUT - 10-32	2
27	86164	HEX BOLT - 1/2-13 X 1 1/4 GR8	6
28	83317	LOCKWASHER - 1/2 SPRING STEEL	6
29	83781-04	FLAT WASHER - 1/2 STEEL	6
30	80187	BARB - 3/8 NPT - 3/8 HOSE	1
31	80553-04	BARB - 1/8 NPT - 3/8 HOSE	1
32	91846-04	BARB - 1/4 NPT - 1/4 HOSE	1
33	80349-04	BARB - 1/4 NPT - 3/8 HOSE	4
34	138868-04	PLUMB - 1/2 NPT 90 STEEL	2
35	84213-04	PLUMB - 1/4 NPT 90 STEEL	1
36	93546	1/2 NPT-F X 1/4 NPT-F REDUCER	2
37	80168-04	1/4 STEEL CLOSE NIPPLE	2
38	31P61	1/4 FEMALE CHECK VALVE	2
39	89010-04	1/4 NPT 2-WAY BALL VALVE	1
40	86622-04	6 JIC X 1/4 NPT SW CONN	1
41	85466-04	6 JIC X 3/8 NPT 90	1
42	80645-04	CGB 193 CONNECTOR 1/2"	1
43	134983-04	RESERVOIR COVER	2
44	84332	HEX BOLT - 3/8-16 X 1 GR8	4
45	83056	LOCKWASHER - 3/8 SPRING STEEL	4
46	83757	FLAT WASHER - 3/8 STEEL	4
47	201214-04	BARB - 3/8 NPT X 3/8" HOSE 90 (BRASS)	1
48	80187	BARB - 3/8 NPT X 3/8" HOSE ST (BRASS)	1

SB-2500C MAINFRAME ASSEMBLY
(202798-01)





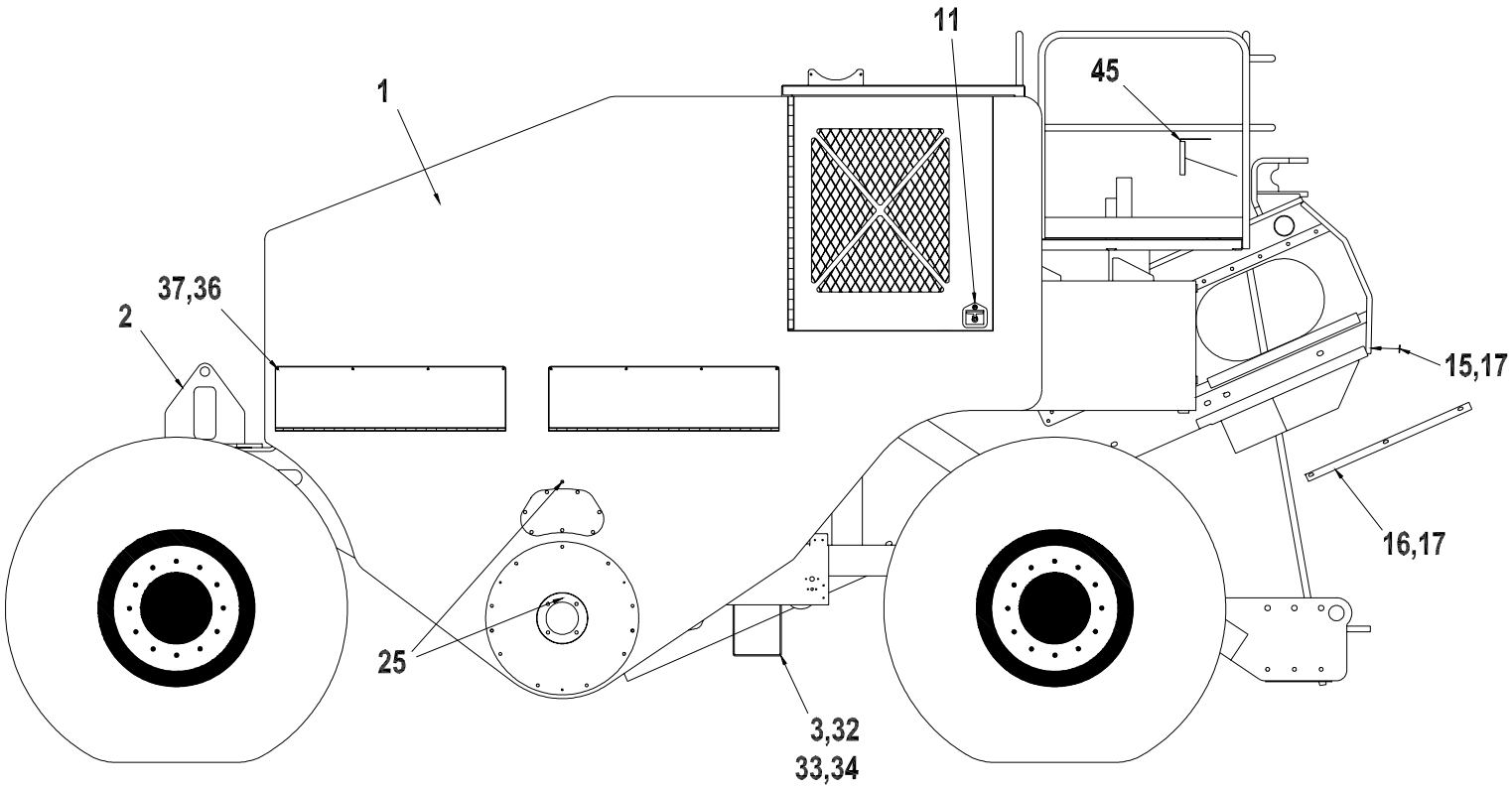

24,23
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35,39
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36,35,5
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1
33
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27
7
A-1 ASSEMBLY
(RIGID C-1 PIVOT)
2
41
42
43
44
A-2 ASSEMBLY (WINDROW C-1 PIVOT)

SB-2500C MAINFRAME ASSEMBLY
(202798-01)

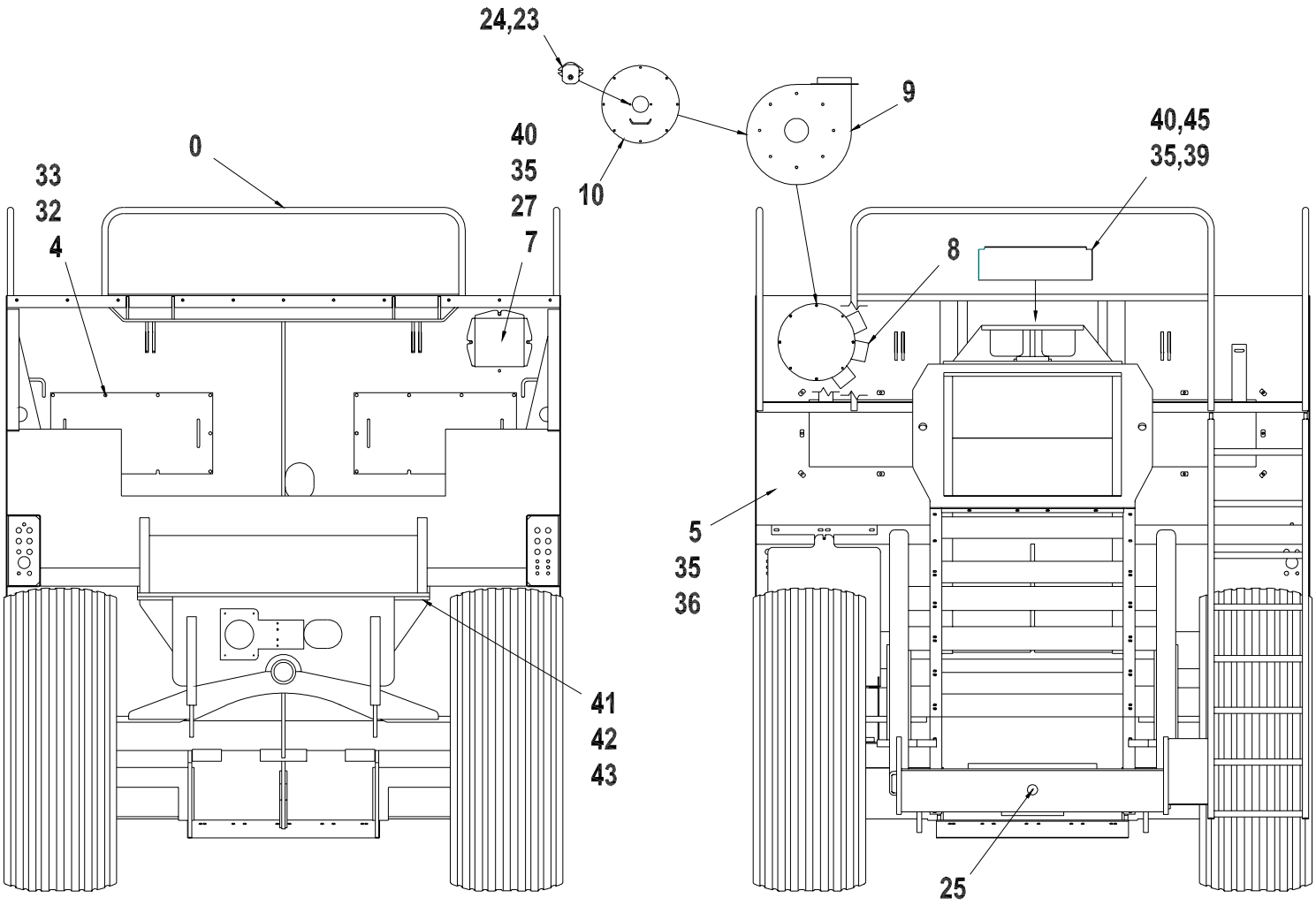
REF NO.	PART NO.	DESCRIPTION	ASS'Y 1	ASS'Y 2
1	202797-01	MAINFRAME	1	1
2	200195-01	STANDARD C-1 PIVOT	1	
3	200183-01	BATTERY BOX	1	1
4	133318-01	ACCESS COVER	4	4
5	200202-01	REAR WALL INSULATION	1	1
6	139765-04	HORN BRACKET	2	2
7	146685-02	C-2 SUCTION COVER	1	1
8	129095-01	BLOWER SHROUD	1	1
9	146487-03	BLOWER HOUSING	1	1
10	200203-03	FUME-X MOTOR MOUNT	1	1
11	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEYS	2	2
12	146569-03	CLAMP BAR - C-2 HOPPER	4	4
13	200146-03	CLAMP BAR - C-2 HOPPER CENTER	1	1
14	146471-03	CLAMP BAR- C-2 HOPPER SIDE	6	6
15	148179-03	CLAMP BAR - C-2 DISCHARGE REAR	1	1
16	147387-03	CLAMP BAR - C-2 DISCHARGE SIDE	2	2
17	89987-04	BOLT- 3/8 - 16 X 1 WING	46	46
18	147462-04	INSULATION - 1" ID HOSE SLEEVE	210	210
19	147463-04	INSULATION - 1 1/2" ID HOSE SLEEVE	450	450
20	148915-04	INSULATION - 2 1/2" ID HOSE SLEEVE	420	420
21	201150-03	VALVE COVER	1	1
22	200626-03	BATTERY BOX LID	1	1
23	134229-04	MOTOR - HYD. 1.03 CID (FUME-X)	1	1
24	130665-04	BUSHING AND KEY	1	1
25	128390	GREASE NIPPLE COVER (RED OR BLACK)	65	65
26	83657-04	1/8 X 8 NYLON WIRE TIE	150	150
27	96476	HEX BOLT- 3/8-16 X 1 1/4 GR8	4	4
28	83905-04	1/4 X 14 NYLON WIRE TIE	150	150
29	95930	HEX BOLT- 3/4-10 X 2 3/4 GR8	8	8
30	83133	FLAT WASHER - 3/4 STEEL	8	8
31	88164	LOCKNUT - 3/4-10 GR8	8	8
32	86164	HEX BOLT- 1/2-13 X 1 1/4 GR8	44	44
33	83317	LOCKWASHER - 1/2 SPRING STEEL	44	44
34	83781-04	FLAT WASHER - 1/2 STEEL	4	4
35	83757	FLAT WASHER - 3/8 STEEL	37	37
36	92235	LOCKNUT - 3/8-16 GR8	26	26
37	89988-04	HEX BOLT - 1/4 - 20 X 3/4 GR8	16	16
38	83065	LOCKWASHER - 1/4 SPRING STEEL	16	16
39	84332	HEX BOLT -3/8 -16 X 1 GR8	6	6
40	83056	LOCKWASHER - 3/8 SPRING STEEL	10	10
41	14S13	HEX BOLT - 1 -8 X 3 1/2 GR8	4	4
42	83427	LOCKWASHER - 1" SPRING STEEL	4	4
43	10S89	WASHER - 1" HARD STEEL	4	4
44	200855-01	WINDROW PIVOT		1
45	201251-03	C-3 PIVOT GUARD	1	1
46	145216-02	LIMIT SWITCH BRACKET	1	1
47				
48				
49				
50				

SB-2500C MAINFRAME ASSEMBLY
(149990-01)



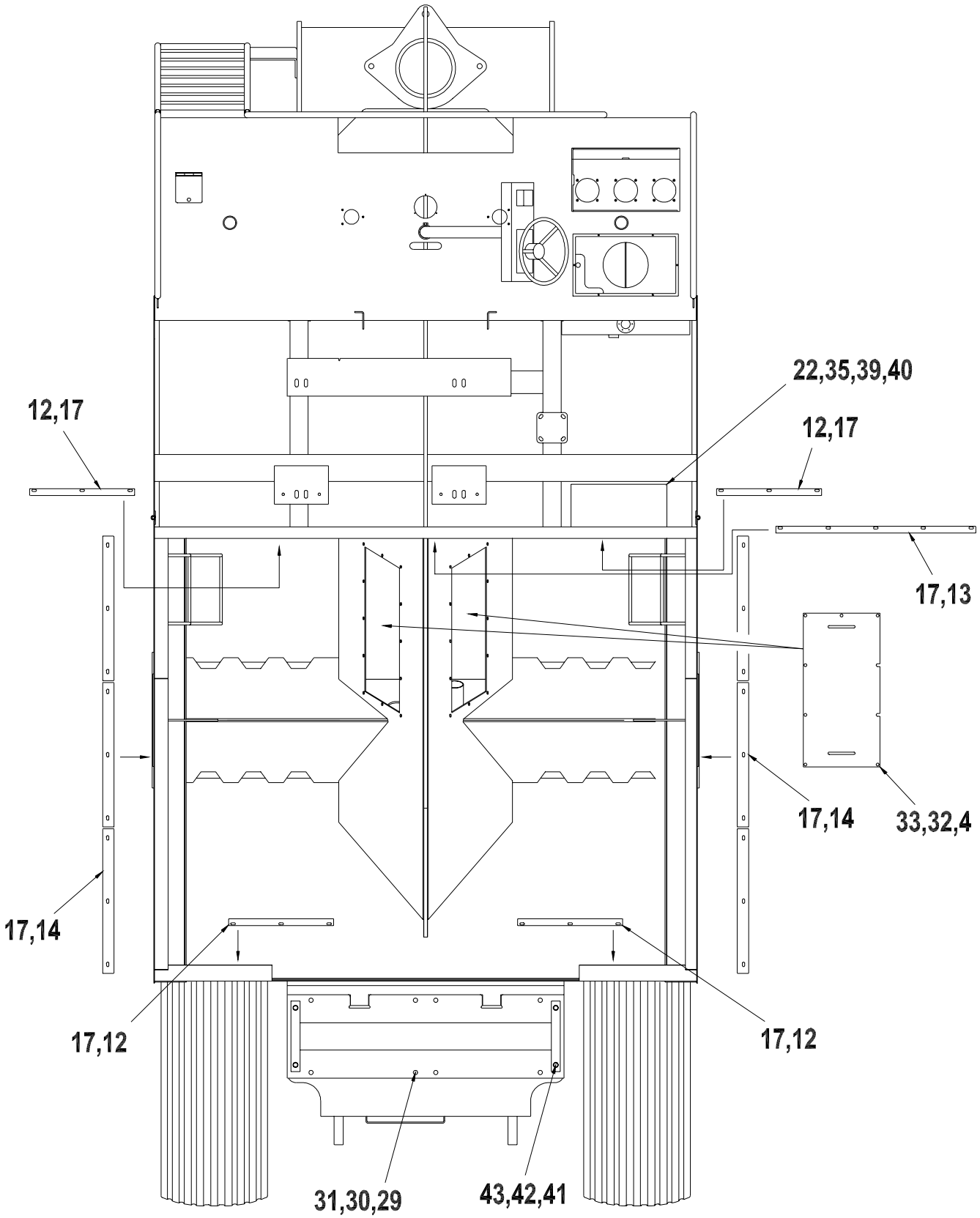
SB-2500C MAINFRAME ASSEMBLY

(149990-01)



SB-2500C MAINFRAME ASSEMBLY

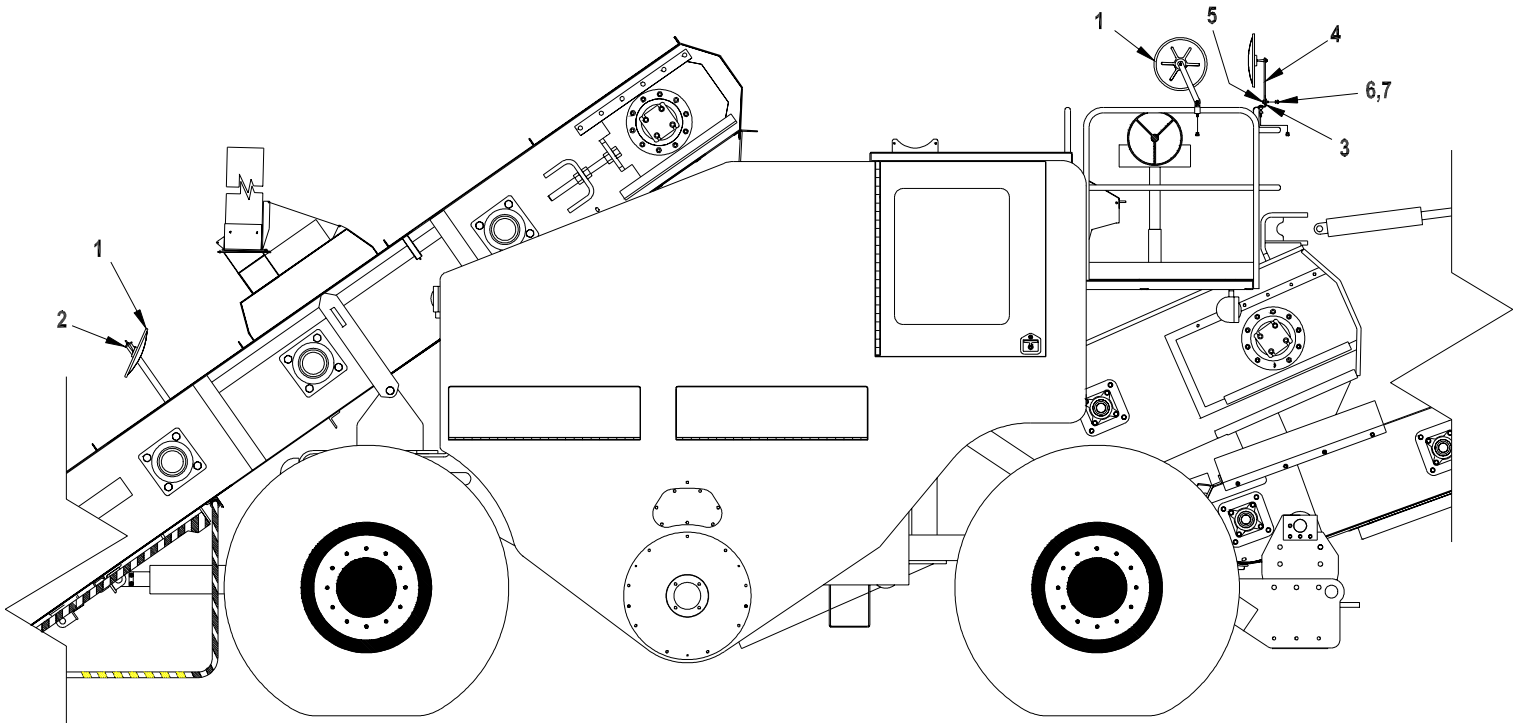
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SB-2500C MAINFRAME ASSEMBLY
(149990-01)

REF NO.	PART NO.	DESCRIPTION	ASS'Y 1	ASS'Y 2
1	149991-01	MAINFRAME	1	1
2	200195-01	STANDARD C-1 PIVOT	1	
3	200183-01	BATTERY BOX	1	1
4	133318-01	ACCESS COVER	4	4
5	200202-01	REAR WALL INSULATION	1	1
6	139765-04	HORN BRACKET	2	2
7	146685-02	C-2 SUCTION COVER	1	1
8	129095-01	BLOWER SHROUD	1	1
9	146487-03	BLOWER HOUSING	1	1
10	200203-03	FUME-X MOTOR MOUNT	1	1
11	139779-04	FLUSH CAP T-HANDLE LATCH W/ KEYS	2	2
12	146569-03	CLAMP BAR - C-2 HOPPER	4	4
13	200146-03	CLAMP BAR - C-2 HOPPER CENTER	1	1
14	146471-03	CLAMP BAR- C-2 HOPPER SIDE	6	6
15	148179-03	CLAMP BAR - C-2 DISCHARGE REAR	1	1
16	147387-03	CLAMP BAR - C-2 DISCHARGE SIDE	2	2
17	89987-04	BOLT- 3/8 - 16 X 1 WING	46	46
18	147462-04	INSULATION - 1" ID HOSE SLEEVE	210	210
19	147463-04	INSULATION - 1 1/2" ID HOSE SLEEVE	450	450
20	148915-04	INSULATION - 2 1/2" ID HOSE SLEEVE	420	420
21	201150-03	VALVE COVER	1	1
22	200626-03	BATTERY BOX LID	1	1
23	134229-04	MOTOR - HYD. 1.03 CID (FUME-X)	1	1
24	130665-04	BUSHING AND KEY	1	1
25	128390	GREASE NIPPLE COVER (RED OR BLACK)	65	65
26	83657-04	1/8 X 8 NYLON WIRE TIE	150	150
27	96476	HEX BOLT- 3/8-16 X 1 1/4 GR8	4	4
28	83905-04	1/4 X 14 NYLON WIRE TIE	150	150
29	95930	HEX BOLT- 3/4-10 X 2 3/4 GR8	8	8
30	83133	FLAT WASHER - 3/4 STEEL	8	8
31	88164	LOCKNUT - 3/4-10 GR8	8	8
32	86164	HEX BOLT- 1/2-13 X 1 1/4 GR8	44	44
33	83317	LOCKWASHER - 1/2 SPRING STEEL	44	44
34	83781-04	FLAT WASHER - 1/2 STEEL	4	4
35	83757	FLAT WASHER - 3/8 STEEL	37	37
36	92235	LOCKNUT - 3/8-16 GR8	26	26
37	89988-04	HEX BOLT - 1/4 - 20 X 3/4 GR8	16	16
38	83065	LOCKWASHER - 1/4 SPRING STEEL	16	16
39	84332	HEX BOLT -3/8 -16 X 1 GR8	6	6
40	83056	LOCKWASHER - 3/8 SPRING STEEL	10	10
41	14S13	HEX BOLT - 1 -8 X 3 1/2 GR8	4	4
42	83427	LOCKWASHER - 1" SPRING STEEL	4	4
43	10S89	WASHER - 1" HARD STEEL	4	4
44	200855-01	WINDROW PIVOT		1
45	201251-03	C-3 PIVOT GUARD	1	1
46	145216-02	LIMIT SWITCH BRACKET	1	1

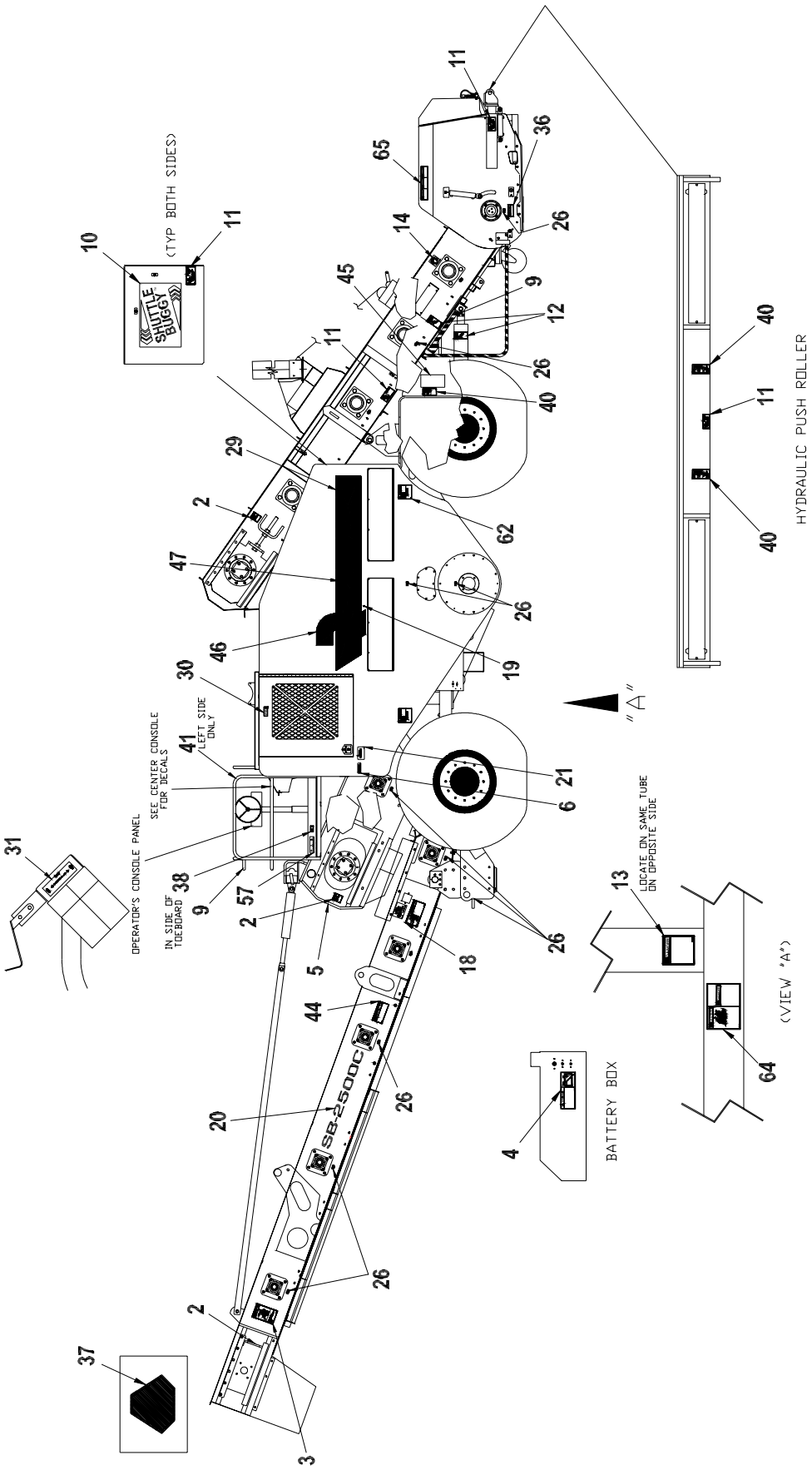
SB-2500C MIRROR ASSEMBLY
(202080-01)



SB-2500C MIRROR ASSEMBLY
(202080-01)

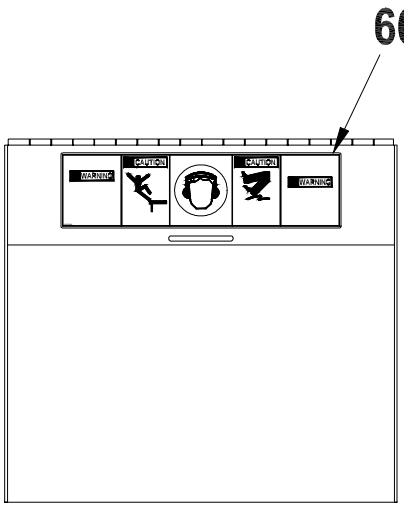
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	133459-04	12" ROUND MIRROR	6
2	201210-03	MIRROR MOUNT BRACKET	2
3	87339-C4	KIT - 1" CLAMP	4
4	133460-04	MIRROR MOUNTING ARM	4
5	84332	HEX BOLT - 3/8-16 X 1 GR8	4
6	83056	LOCKWASHER - 3/8 SPRING STEEL	4
7	83055	HEX NUT - 3/8-16 GR8	4

SB-2500C PAINT & MARKINGS
(200681-01)

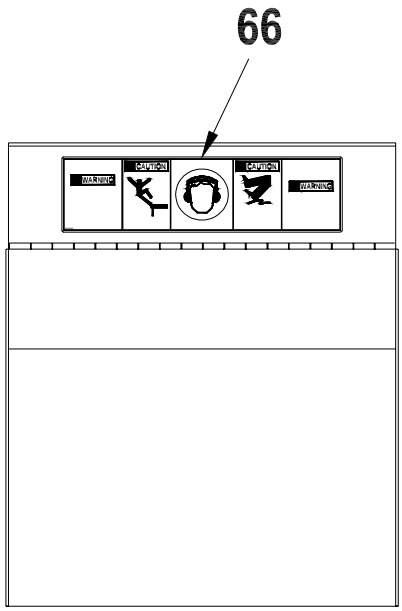


SB-2500C PAINT & MARKINGS
(200681-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	201236-02	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	92870-04	DECAL - SERIAL NO. I.D. PLATE	1
7	95906-03	DECAL - AMERICAN FLAG - 8 1/4 X 15"	2
8	139455-04	DECAL - INSTALL HANDRAIL SAFETY BARS	2
9	129611	DECAL - BLACK & YELLOW CAUTION TAPE	226"
10	95875-02	DECAL - SHUTTLE BUGGY - BLUE	2
11	92803-04	DECAL - PINCH POINT AREA	7
12	92797-04	DECAL - SET SAFETY BARS	4
13	92820-04	DECAL - STAND CLEAR	1
14	139456-04	DECAL - EAR PROTECTION	2
15	147769-04	DECAL - CAUTION DO NOT STAND	2
16	95871-04	DECAL - STAY CLEAR MACHINE IN OPERATION	4
17	127043-04	DECAL - INFLATE TIRES TO 75 P.S.I.	4
18	92794-04	DECAL - DANGER PINCH POINT (BIG)	2
19	131841-04	DECAL - REGISTERED MARK - 3/4" BLUE	2
20	200684-04	DECAL - SB-2500C (C3 CONV. SIDE)	2
21	131690-04	DECAL - PATENT PLATE	1
22	92798-04	DECAL - CAUTION CLEAN WALKWAYS	2
23	99535-04	DECAL - WASHDOWN	1
24	139659-04	DECAL - HYDRAULIC OIL ONLY	1
25	92800-04-2	DECAL - CAUTION " NO SMOKING "	2
26	96088-04	DECAL - GREASE HERE (1" X 2")	26
27	95868-04	DECAL - MAX. SPEED WITH MAT'L.	2
28	92804-04	DECAL - READ OPERATORS MANUAL	2
29	143063	DECAL - 1" YELLOW STRIPING	440"
30	89725-04	DECAL - WATER (REPL. 92725-04)	1
31	121478-04	DECAL - HIGH / LOW THROTTLE	1
32	92800-04-1	DECAL - CAUTION NO SMOKING	1
33	95885-04	DECAL - DIESEL FUEL ONLY	1
34	92802-04	DECAL - CAUTION MOVING MACHINE	1
35	95876-04	DECAL - WARNING " NO RIDERS "	1
36	97602-04	DECAL - CAUTION PINCH POINT AREA	2
37	89716-04	DECAL - SLOW MOVING SAFETY	1
38	89715-04	DECAL - FUEL	1
39	200685-01	DECAL - LUBE CHART SB-2500C	1
40	93192-04	DECAL - PINCH POINT	4
41	122129-04	DECAL - FIRE EXT.	1
42	97604-04	DECAL - CAUTION STAND CLEAR	2
43	97605-04	DECAL - CAUTION CLEAR HOPPER WINGS	2
44	124670-04	DECAL - DON'T USE CONV. AS LIFTING BOOM	2
45	122285-04	DECAL - C-1 JUNCTION BOX	1
46	141342-01	DECAL - "R" 30" RED SB-2500B	2
47	141343-01	DECAL - STRIPES 192" LG. SB-2500B	2
48	83004-04	PAINT SUPPLY - FISH-EYE BAN 4oz. BOTTLE	1
49	148231-03	DECAL - CAUTION OIL LEVEL	1
50	96669	PAINT SUPPLY - HIGHLAND INT BLACK PAINT	6

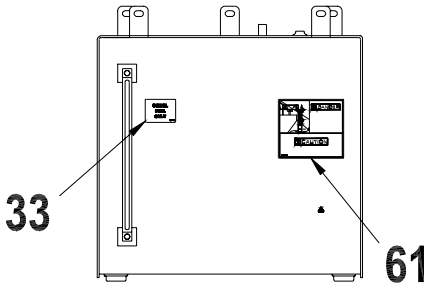


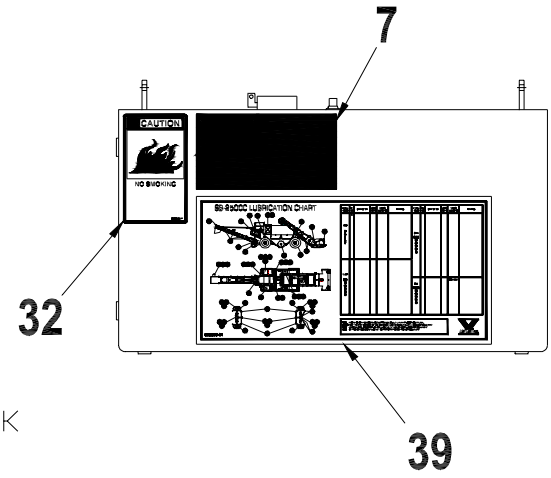
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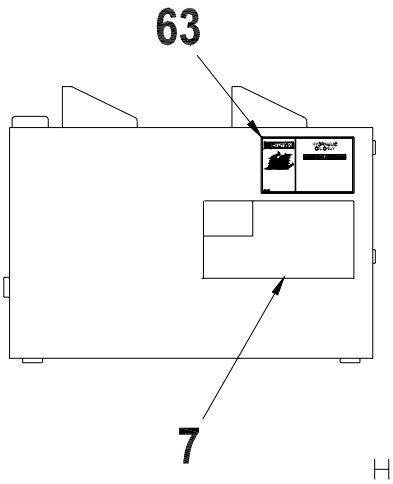
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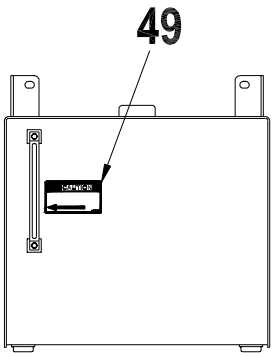
CENTER CONSOLE





FUEL TANK





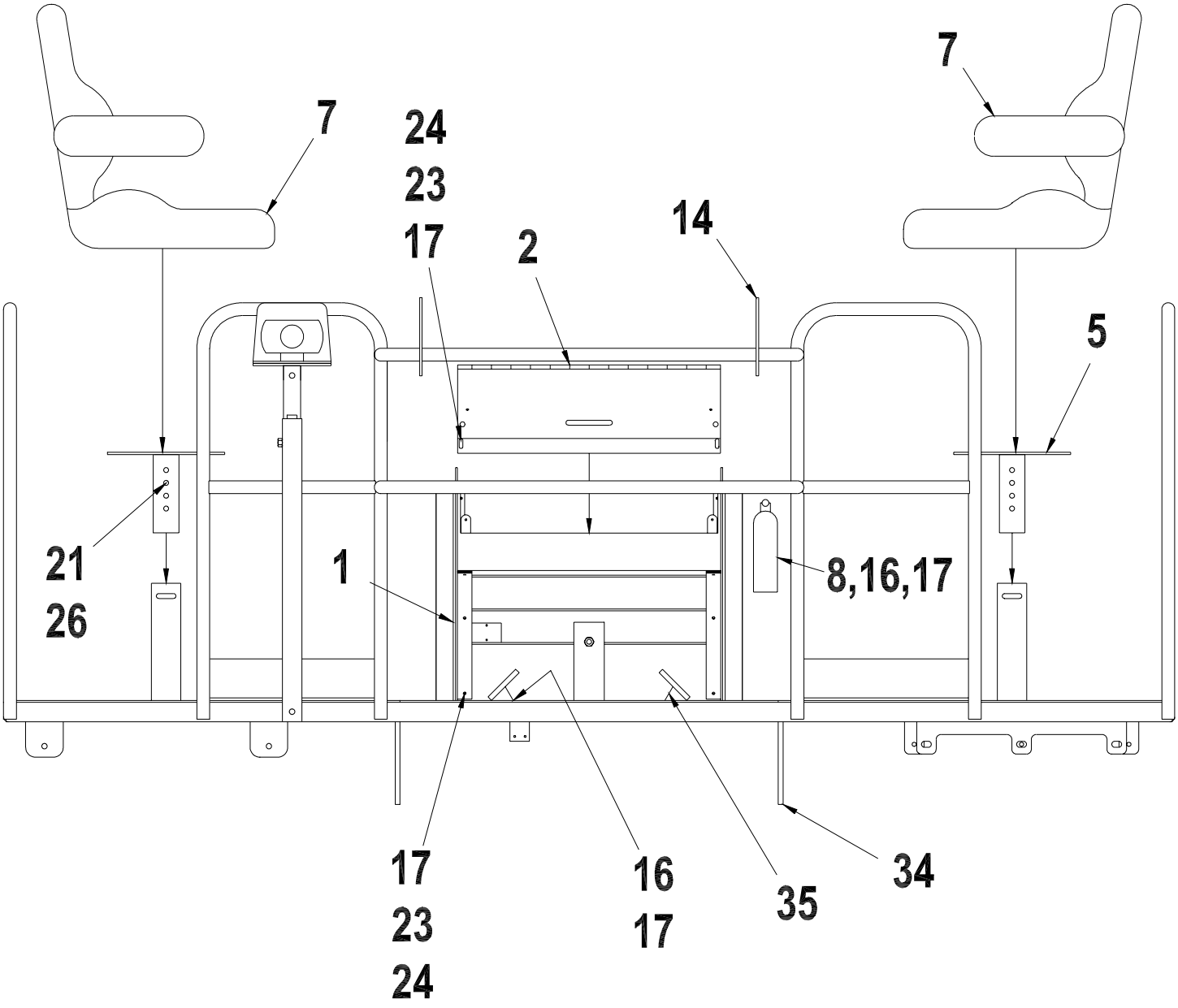
HYDRAULIC TANK

SB-2500C PAINT & MARKINGS
(200681-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	82999-04	PAINT SUPPLY - HARDENER (QTS.)	9
52	122735	PRIMER - HI-BOND SERIES 35 WHITE (GAL.)	20
53	83001-04	PAINT SUPPLY - THINNER (LAQ.) R7K110 (GAL.)	5
54	120288	SPECIAL PUTTY - GLAZE (QT.)	1
55	125643	BLACK HI-BOND PRIMER SERIES #35 (GAL.)	5
56	92465	PAINT SUPPLY - HIGHLAND INT'L. WHITE (GAL.)	12
57	135910-04	DECAL - FXS TRADEMARK	2
58	201237-03	DECAL - CHAIN TENSION	3
59	201234-01	DECAL - VALVE LABELS	1
60	201235-03	DECAL - VALVE LABELS	1
61	201474-03	DECAL - HYDRAULIC TANK	1
62	201475-03	DECAL - TIRE PRESSURE	4
63	201476-03	DECAL - FUEL TANK	1
64	201477-03	DECAL - WASHDOWN	1
65	201478-03	DECAL - DUMP HOPPER	2
66	201479-03	DECAL - CENTER CONSOLE	2

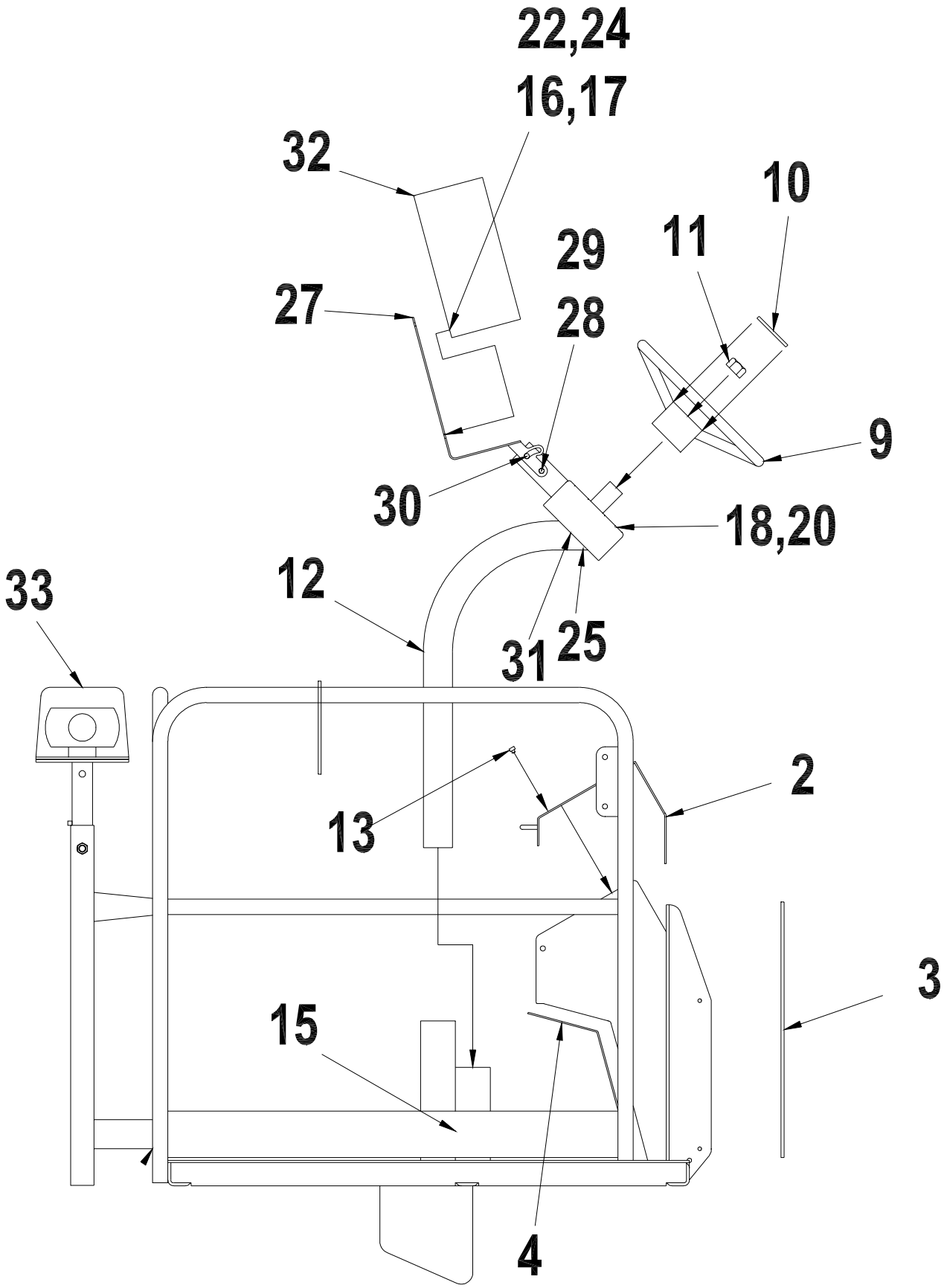
SB-2500C OPERATOR'S STATION ASSEMBLY

(200531-01)



SB-2500C OPERATOR'S STATION ASSEMBLY

(200531-01)

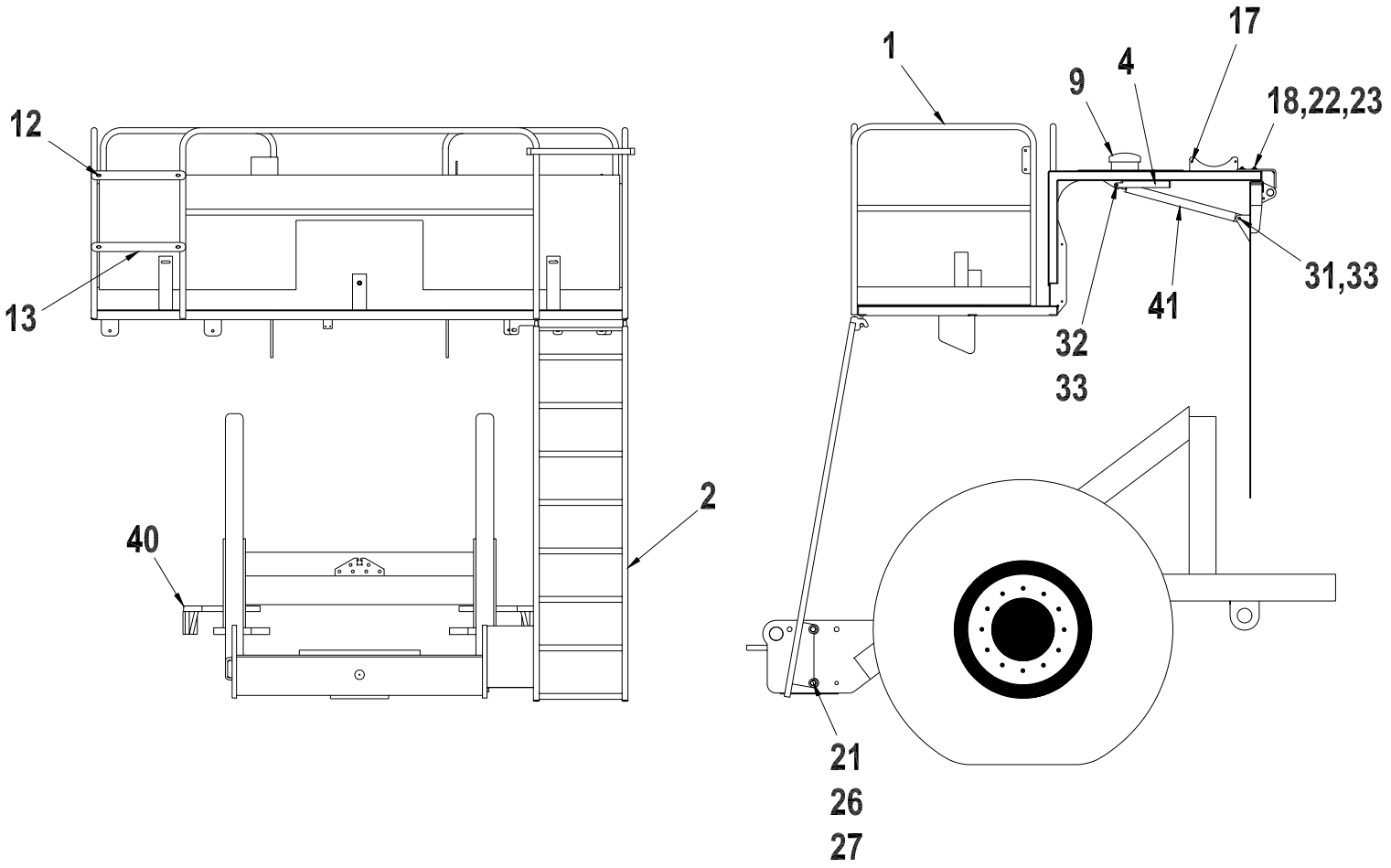


SB-2500C OPERATOR'S STATION ASSEMBLY
(200531-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146495-01	CENTER CONSOLE	1
2	146596-01	VANDAL COVER	1
3	146497-03	CENTER CONSOLE INSULATION	1
4	146498-02	CENTER CONSOLE FRONT COVER	1
5	128095-02	SEAT BASE WELDMENT	2
6	80292	SINGLE-LOCKING ADJUSTER	4
7	27X58	SEAT - WHITE W/ ARMREST	2
8	99583	FIRE EXTINGUISHER	1
9	O3913	STEERING WHEEL	1
10	O3915	STEERING WHEEL CAP	1
11	89045	STEERING WHEEL NUT	1
12	200185-01	OPERATORS CONSOLE	1
13	O6330	BUMPER - RUBBER CUSHION	2
14	202080-01	MIRROR ASSY.	1
15	122081-04	HANDLE - CLAMPING (1/2 - 13 TH'D.)	1
16	89773	BOLT, HEX 1/4 - 20 X 1"	12
17	83065	LOCKWASHER 1/4" SPRING STEEL	24
18	84332	BOLT, HEX 3/8 - 16 X 1"	8
19	83056	LOCKWASHER 3/8" SPRING STEEL	4
20	83757	FLAT WASHER 3/8" STEEL	8
21	84431-04	BLT, HEX 1/2 - 13 X 4"	2
22	89772	NUT, HEX 1/4 - 20	6
23	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	10
24	84444	FLAT WASHER 1/4" STEEL	14
25	133842	SCREW, HEX SELF-TAPPING 1/4" X 3/4"	22
26	84401-04	NUT, HEX LOCK 1/2 - 13	2
27	146568-02	OPERATORS CONTROL BOX MOUNT	1
28	121200	BOLT, HEX 3/8 - 16 X 3"	1
29	92235	NUT, HEX LOCK 3/8 - 16	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 REVERSE SWITCH BRACKET	1
33	200758-03	12 VOLT WARNING BEACON	1
34	200206-01	PLATFORM	
35	99365	POWER BRAKE ACTUATOR W/ PEDAL	

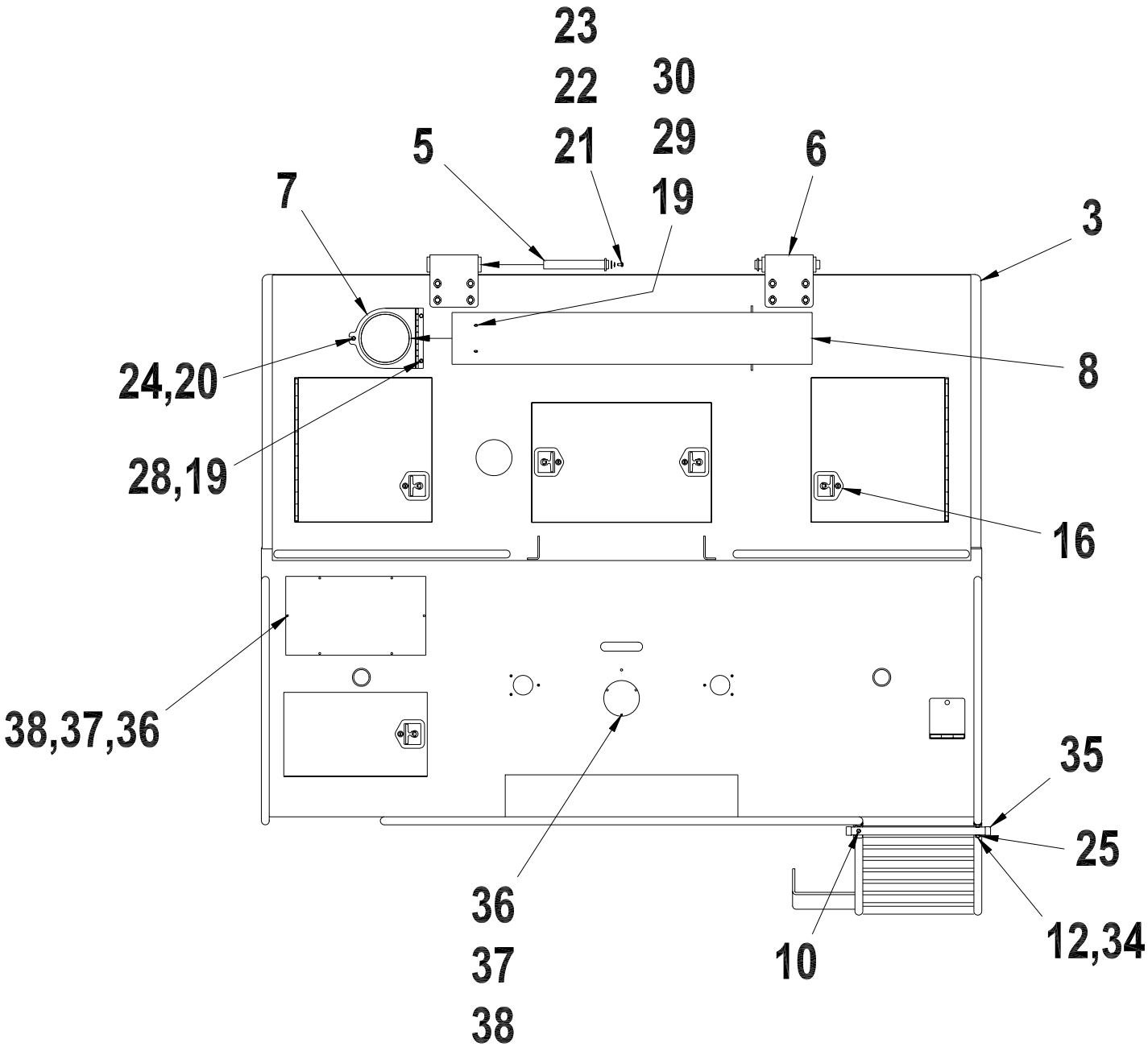
SB-2500C PLATFORM & HANDRAIL ASSEMBLY

(200530-01)



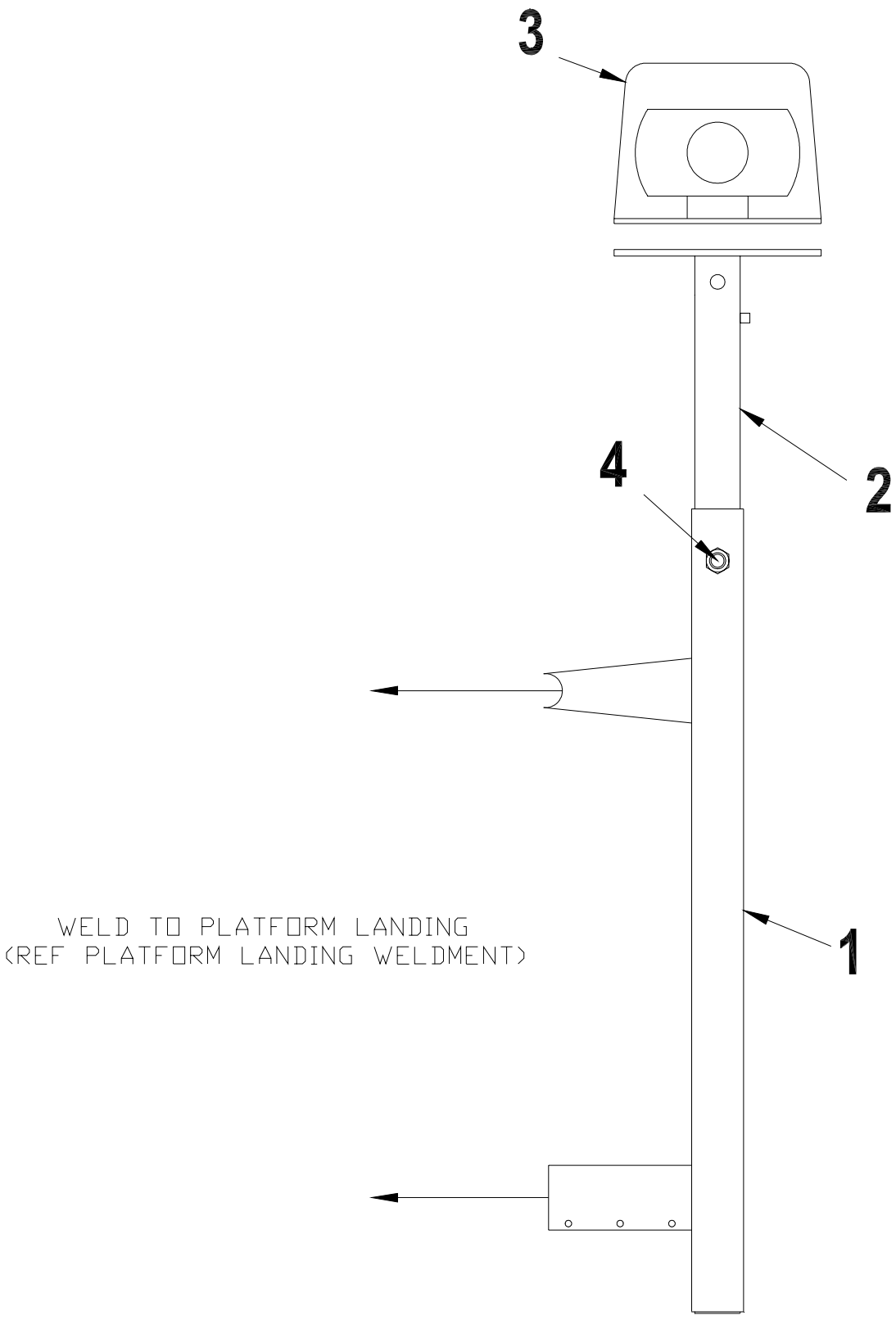
SB-2500C PLATFORM & HANDRAIL ASSEMBLY

(200530-01)



SB-2500C PLATFORM & HANDRAIL ASSEMBLY
(200530-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200206-01	PLATFORM	1
2	200207-01	LADDER	1
3	200208-01	HOOD	1
4	200484-01	HOOD PROP	2
5	146491-04	HOOD PIN	2
6	200186-03	HOOD HINGE	2
7	129130-02	FAN SHROUD VENT EXT'N.	1
8	129227-03	VENT PIPE FOR FUME CNT'L.	1
9	93141	RAIN CAP	1
10	141243-04	PLATFORM HANDRAIL "D" RING	1
11	141069-04	PLATFORM GATE	2
12	87339-C3	1" PIPE CLAMP KIT	5
13	146565-04	HANDRAIL OPENING SAFETY BAR	2
14	200522-02	PLATFORM INSULATION	1
15	200523-02	HOOD INSULATION	1
16	139779-04	FLUSH CAP LOCKING HANDLE	5
17	132040	BUNGIE CORD - 3/8" X 16"	1
18	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	8
19	83056	LOCKWASHER 3/8" SPRING STEEL	7
20	83757	FLAT WASHER 3/8" STEEL	1
21	83427	LOCKWASHER 1" SPRING STEEL	2
22	83317	LOCKWASHER 1/2" SPRING STEEL	10
23	83781-04	FLAT WASHER 1/2" STEEL	10
24	89987-04	WING BOLT 3/8 - 16 X 1"	1
25	92235	NUT, HEX LOCK 3/8 - 16	2
26	96560	BOLT, HEX 1 - 8 X 2"	2
27	83376-04	FLAT WASHER 1" STEEL	3
28	84332	BOLT, HEX 3/8 - 16 X 1"	3
29	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	4
30	83055	NUT, HEX 3/8 - 16	4
31	89142	BOLT, HEX 1/2 - 13 X 1 3/4"	2
32	90874	BOLT, HEX 1/2 - 13 X 3 1/2"	2
33	139741-04	NUT, CENTER LOCK 1/2 - 13	4
34	148148	BOLT, CARRIAGE 3/8 - 16 X 3"	1
35	139359	CAP - 1" PLASTIC PIPE	2
36	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	13
37	83065	LOCKWASHER 1/4" SPRING STEEL	13
38	84444	FLAT WASHER 1/4" STEEL	13
39	83032	FLAT WASHER 1 1/2" "N" SERIES	4
40	149994-01	MAINFRAME	REF
41	146490-03	HOOD CYL. MOD. * SEE HOOD RAISE HYD'S. SECT.4	REF


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

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

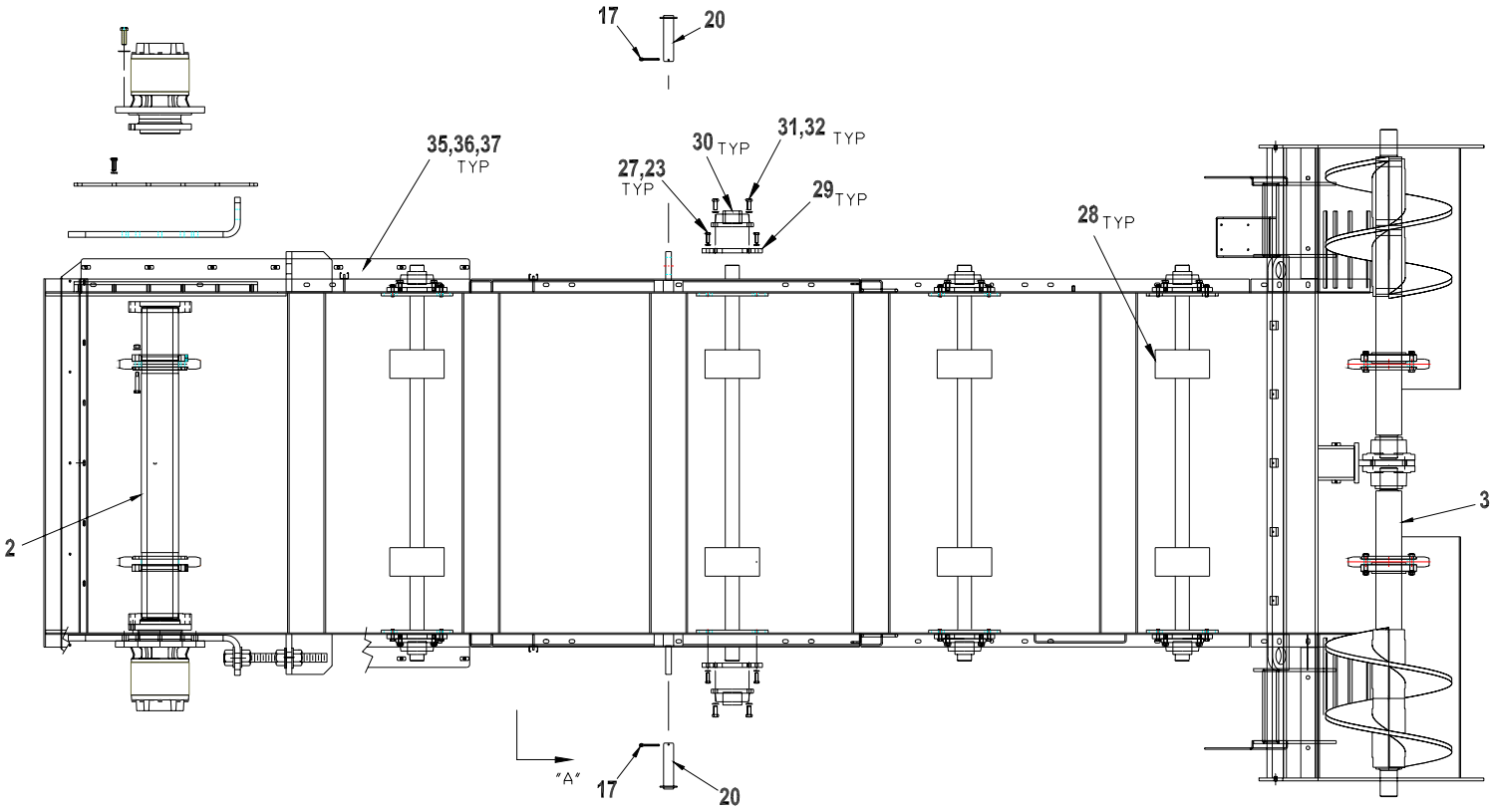
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200759-01	BEACON MOUNTING TUBE	1
2	131477-03	FLASHER MOUNT	1
3	90083-04	LIGHT - BEACON LAMP (MODEL 100-12V)	1
4	135982-04	WING BOLT - 1/2-13	1
5	20K32	CLAMP - 1/4 WIRE LOOM	4
6	13E68	TOGGLE SWITCH - SP ST ON/OFF	1
7	84316-04	WIRE - 16/2 ALPHA X 24	1
8	38Z57	WIRE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

SECTION 3 : CONVEYORS

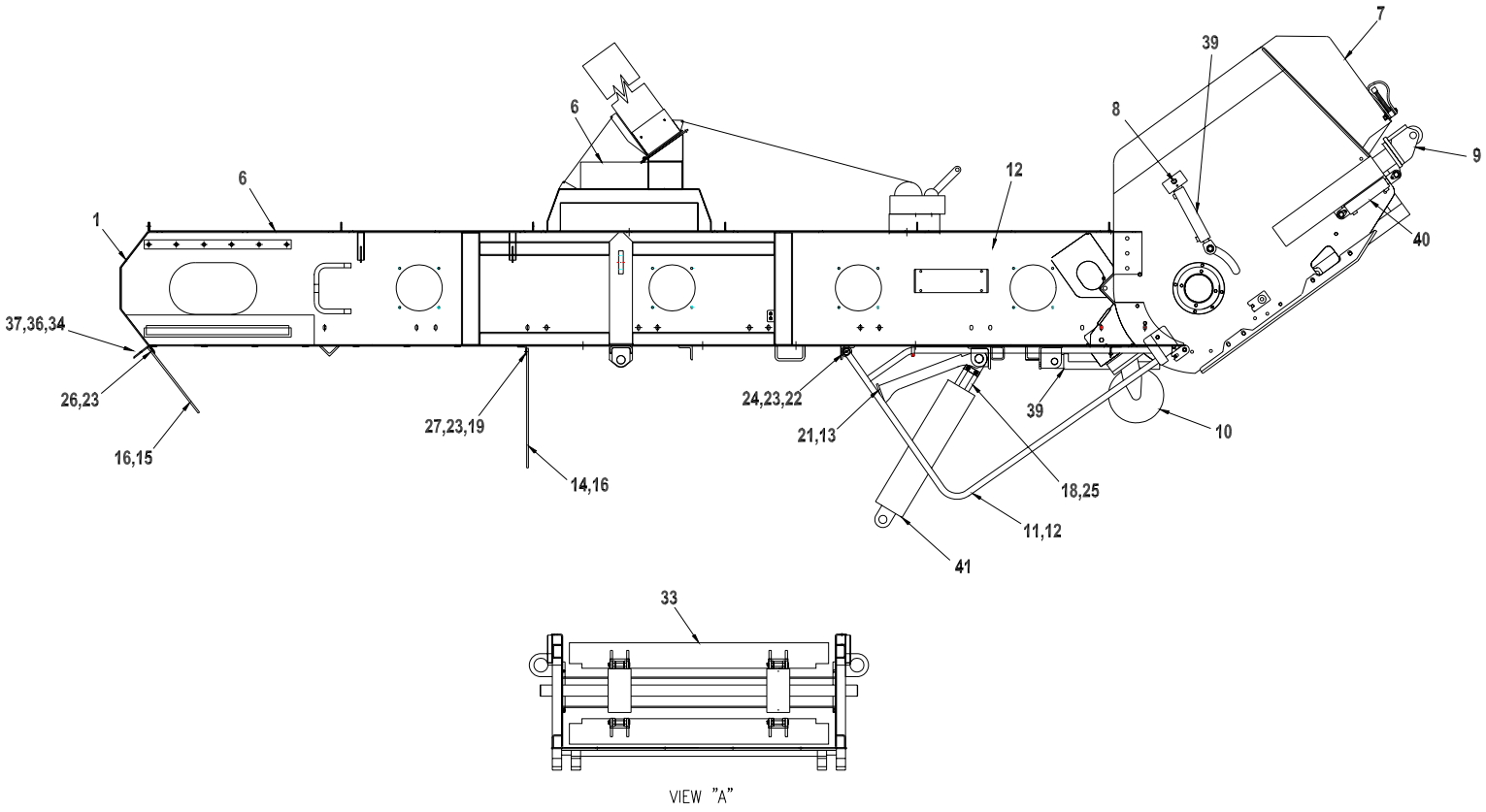
ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	202271-01	660 & UP	3.1
CHAIN	200735-02		3.5
FOOTSHAFT & AUGER	202270-01		3.7
HEADSHAFT & TAKE UP	200710-01		3.9
TOP COVER W/FUME	200722-01		3.11
WEAR PLATES	200732-01		3.15
DUMP HOPPER	200724-01		3.17
VIBRATOR	133304-01	602 & UP	3.19
BAFFLE	149437-01		3.21
HYD. PUSH ROLLER	149438-01		3.23
CASTER & SKIDS	148085-01		3.25
C-2 CONVEYOR	202273-01	660-663	3.27
CHAIN	138906-02		3.29
FOOTSHAFT & AUGER	202272-01		3.31
HEADSHAFT & TAKE-UP	200516-01		3.33
LINER & BOTTOM PLATE	200518-01		3.35
FLOWGATES	200519-01		3.37
C-3 CONVEYOR	201179-01	646 & UP	3.41
CHAIN & IDLER	200526-01		3.45
TOP COVER W/FUME	145562-01	575 & UP	3.47
INSULATION PANEL & TRUCK RAIL	200528-01		3.49

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C-1 CONVEYOR ASSEMBLY
(202271-01)



C-1 CONVEYOR ASSEMBLY
(202271-01)

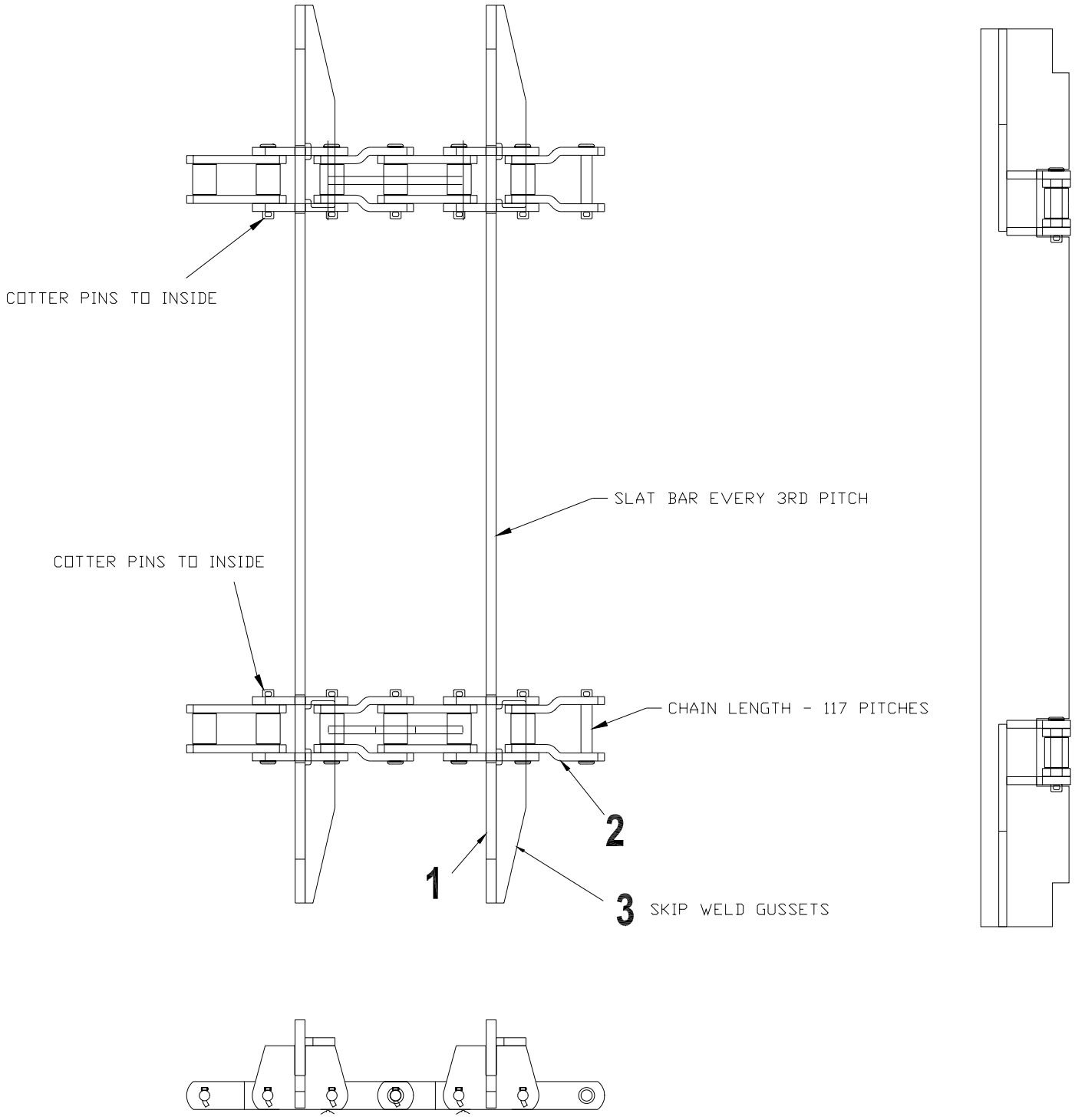


C-1 CONVEYOR ASSEMBLY
(202271-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200633-01	C-1 CONVEYOR	1
2	200710-01	C-1 HEADSHAFT & TAKE-UP	1
3	200270-01	C-1 FOOTSHAFT & AUGER	1
4	200732-01	C-1 WEAR PLATES	1
5	200733-01	C-1 GREASE LINES	1
6	200722-01	C-1 TOP COVER & FXS	1
7	200724-01	C-1 DUMP HOPPER	1
8	149437-01	C-1 BAFFLE	1
9	149438-01	C-1 PUSH ROLLER	1
10	148085-01	C-1 CASTER & SKID RUNNER	1
11	200725-01L	C-1 L.H. GUARD RAIL	1
12	200725-01R	C-1 R.H. GUARD RAIL	1
13	201089-01	C-1 CYLINDER PROP	2
14	99158-03	C-1 FLASHING	1
15	99580-03	C-1 FLASHING REAR	1
16	99159-03	C-1 FLASHING CLAMP BAR	2
17	27D87	COTTER PIN 3/8" X 3 1/2"	2
18	200734-04	C-1 CYLINDER STOP	4
19	83288	NUT, HEX 1/2 - 13 GR. 8	7
20	99165-04	C-1 PIVOT PIN	2
21	144993-04	LYNCH PIN 3/16"	2
22	83754	BOLT, HEX 1/2 - 13 X 1"	2
23	83317	LOCKWASHER 1/2"	48
24	136743-04	FLAT WASHER 1/2" SCREED	2
25	128462	BOLT, C'SUNK 1/2 - 13 X 1"	8
26	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	7
27	89142	BOLT, HEX 1/2 - 13 X 1 3/4"	39
28	145488-01	C-1 IDLER SHAFT	4
29	99364-03	BEARING MOUNTING PLATE	8
30	88993-04	IDLER BEARING 2 7/16"	8
31	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	32
32	84717	LOCKWASHER 5/8"	32
33	200735-02	C-1 CHAIN ASSY.	1
34	129238-03	CANVAS CLAMP BAR C-1 END	1
35	146471-03	CANVAS CLAMP BAR SIDE	4
36	89987-04	WING BOLT 3/8 - 16 X 1"	17
37	83757	FLAT WASHER 3/8"	17
38	201154-03	C-1 CONTROL MANIFOLD COVER	1
39		C-1 HOPPER CONTROL HYDRAULICS	
40		PUSH ROLLER HYDRAULICS	
41		C-1 LIFT HYDRAULICS	
42			
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C-1 CONVEYOR CHAIN ASSEMBLY

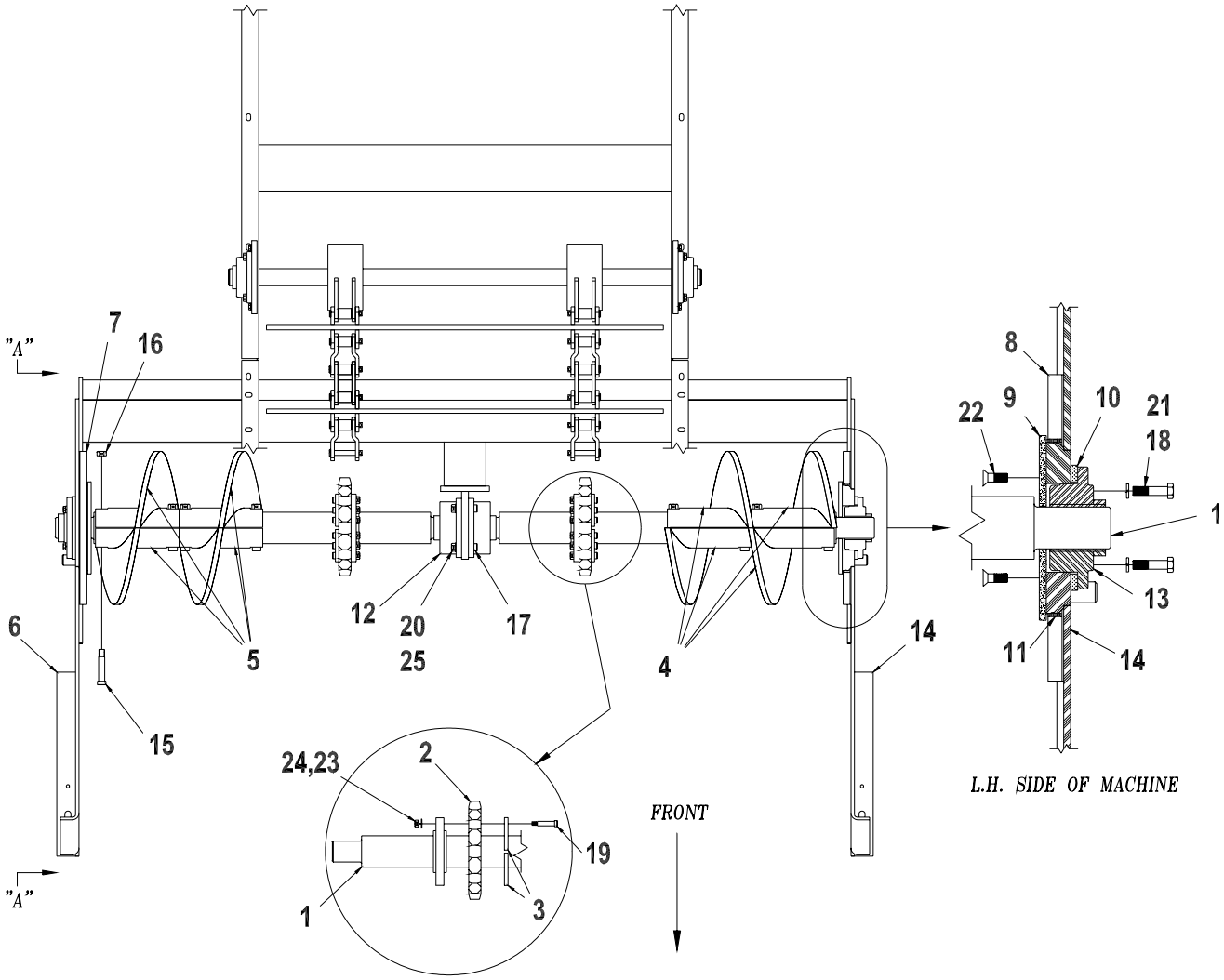
(200735-01)

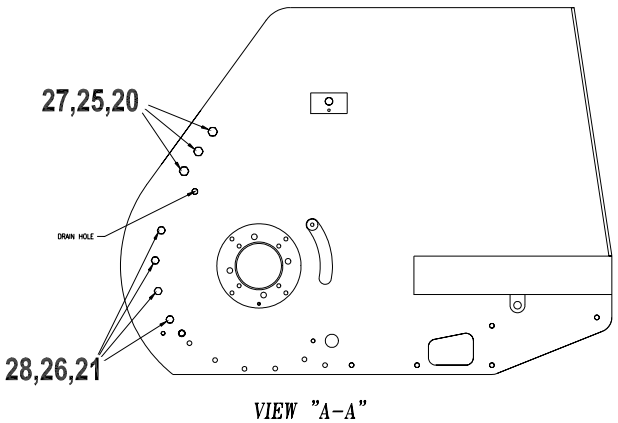


C-1 CONVEYOR CHAIN ASSEMBLY
(200735-01)

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

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





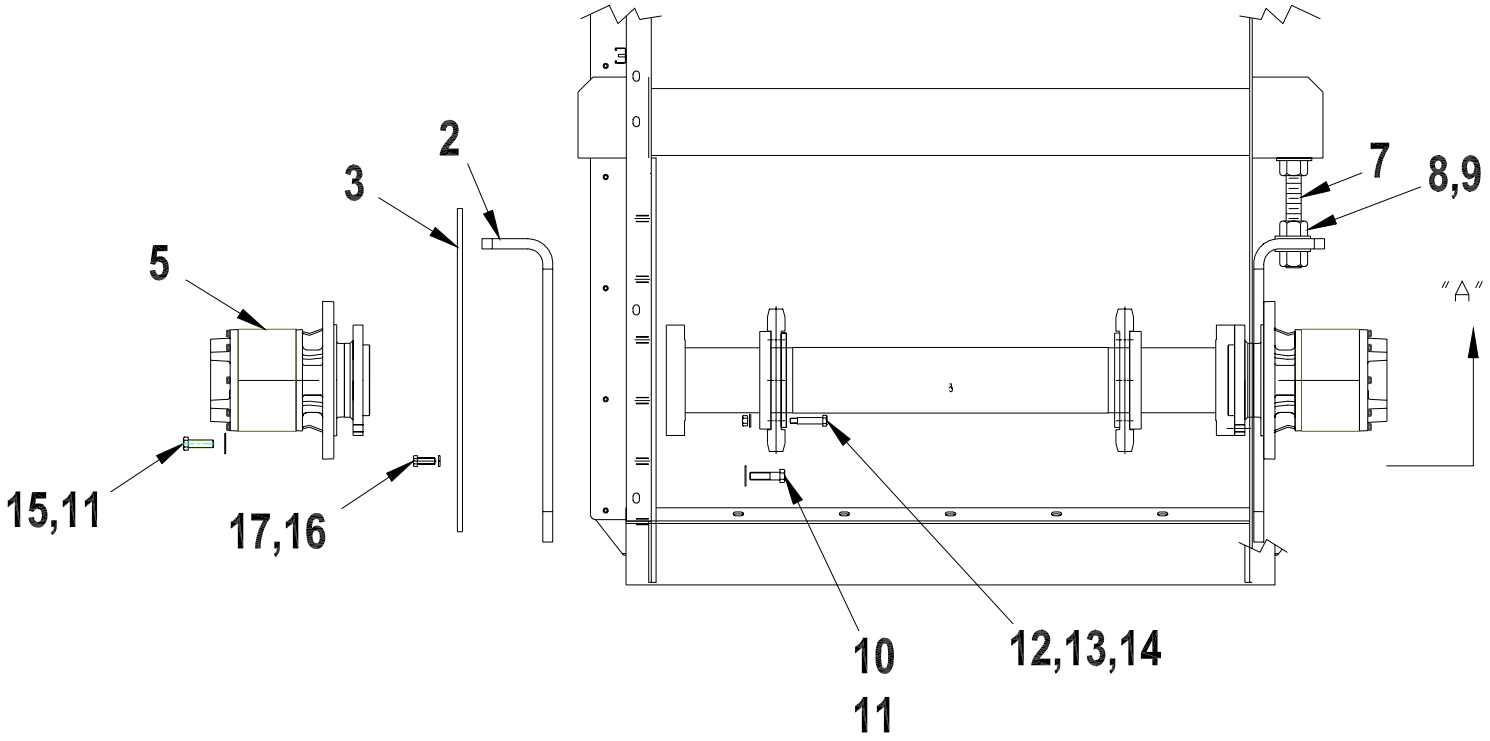
VIEW "A-A"

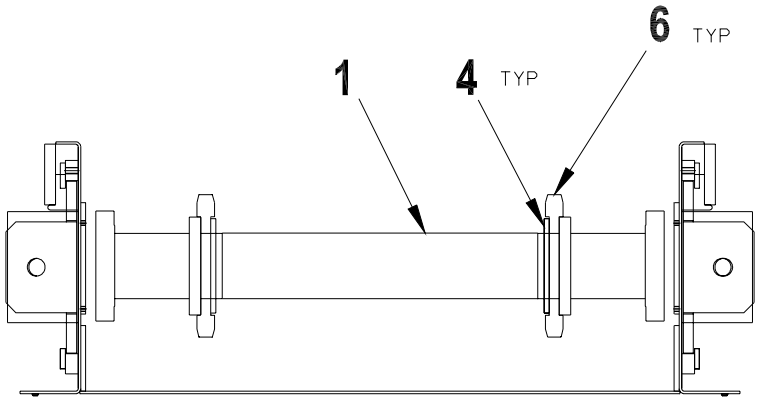
C-1 FOOTSHAFT & AUGER ASSEMBLY
(202270-01)

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

C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY

(200710-01)





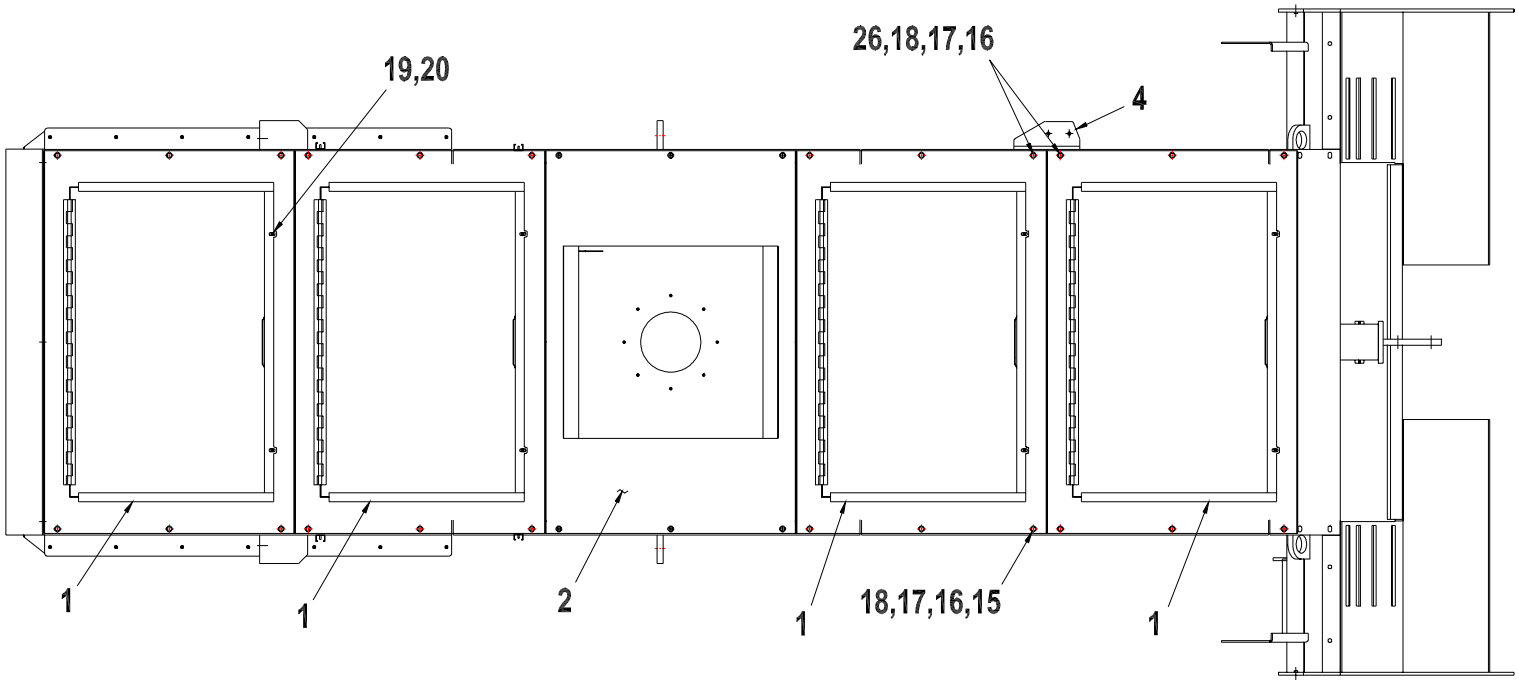
VIEW "A"

C-1 HEADSHAFT & TAKE-UP SHAFT ASSEMBLY
(200710-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200711-01	C1 HEADSHAFT	1
2	200712-01	C1 TAKE-UP BRACKET	2
3	122419-03	UPPER KEEPER BAR	2
4	139665-04	SPROCKET COVER PLATE	2
5	145338-01	GEARBOX, C1 AND C3 CONVEYORS	2
6	139350-02	MACHINED 10 TOOTH SPROCKET	2
7	99060-04	TAKE-UP SCREW	2
8	83031	HEX NUT, 1 1/2 - 6 GR 8	6
9	83032	FLAT WASHER, 1 1/2 N SERIES	8
10	122336	HEX BOLT, 3/4 - 16 X 3 GR 8	16
11	83752-04	LOCKWASHER, 3/4	42
12	138651-04	HEX BOLT, 5/8 X 2 1/2 SHOULDER	24
13	10D63	WASHER, 1/2 HARD, A325	24
14	139741-04	HEX NUT, 1/2 - 13 CENTER LOCK GR 8	24
15	93723	HEX BOLT, 3/4 - 10 X 2 1/2	20
16	89143	HEX BOLT, 5/8 - 11 X 1 3/4	12
17	84717	LOCKWASHER, 5/8	12

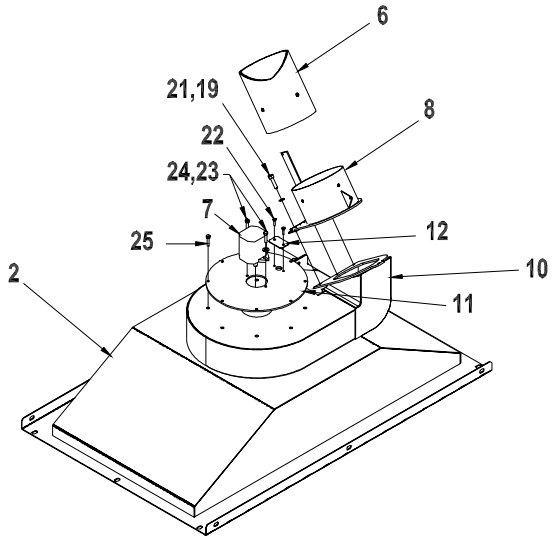
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C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(200722-01)

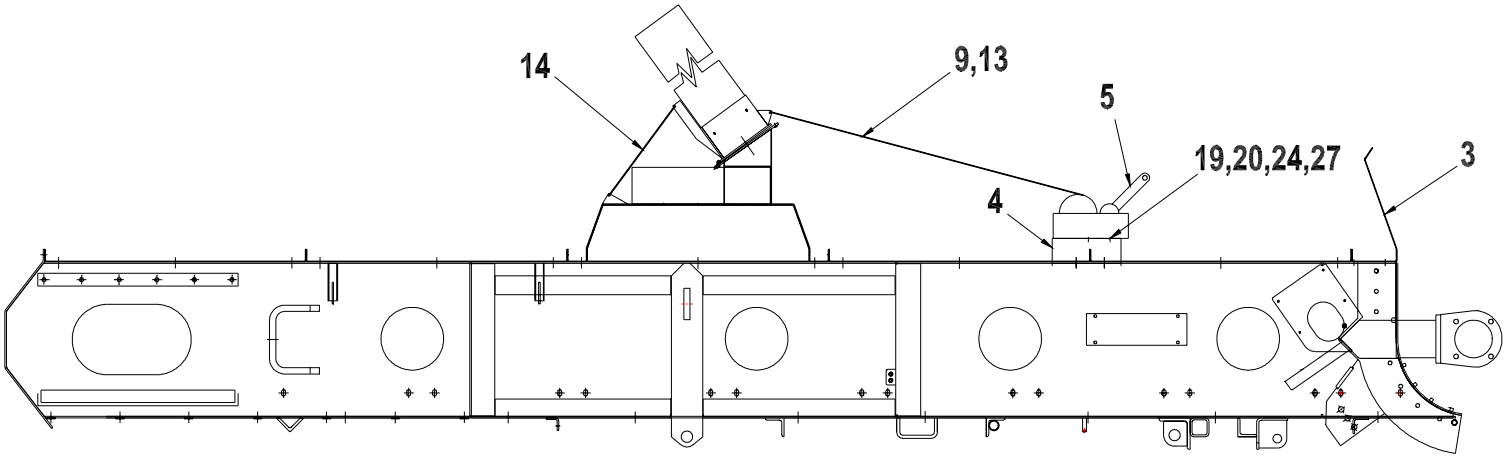


C-1 CONVEYOR TOP COVER & FXS ASSEMBLY

(200722-01)



FUME EXTRACTION DETAIL

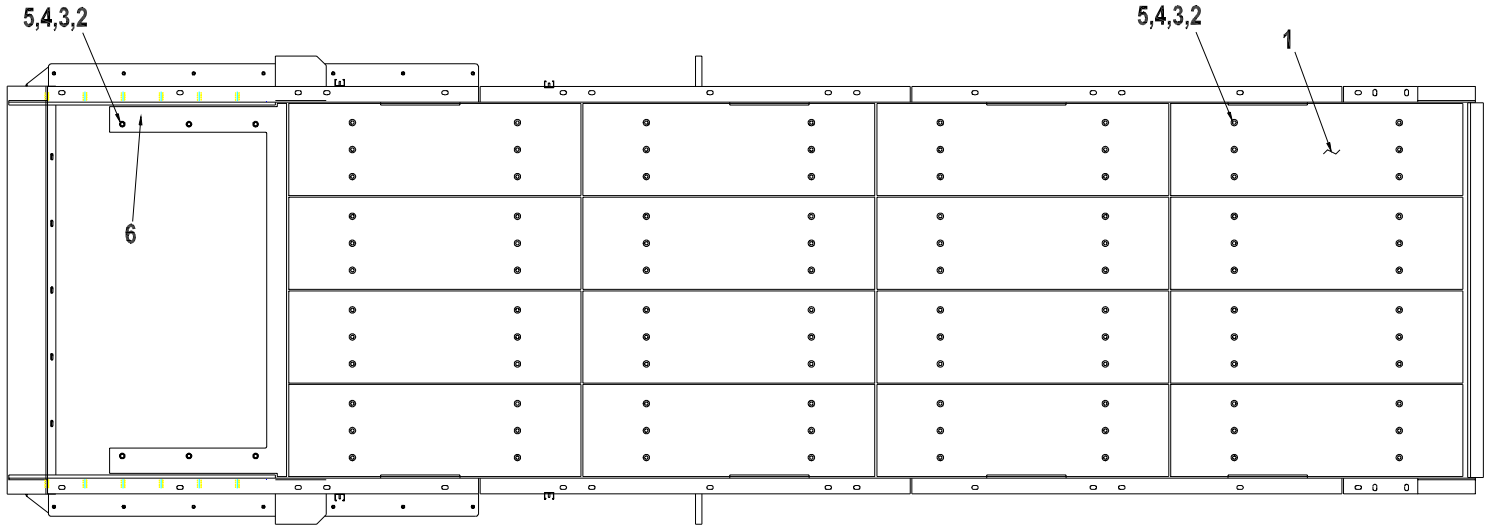


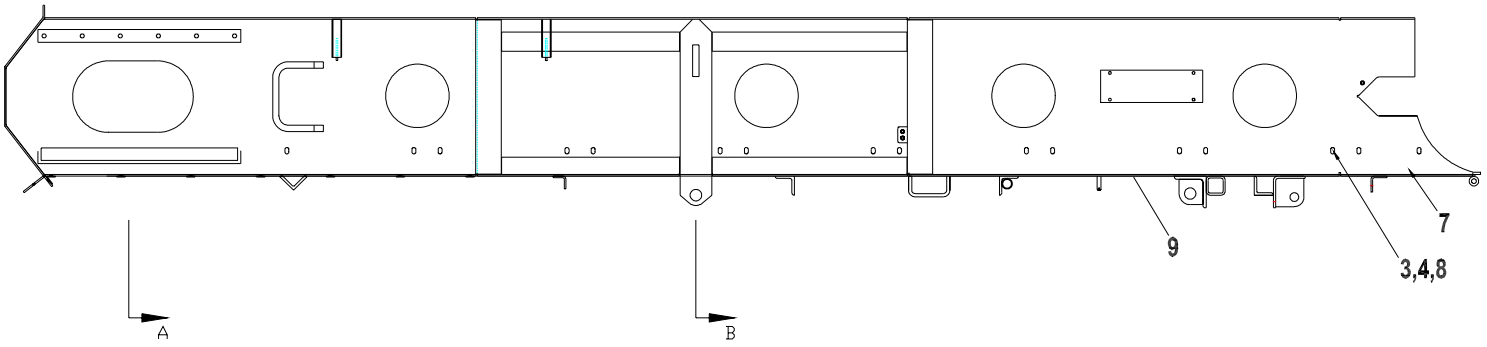
C-1 CONVEYOR TOP COVER & FXS ASSEMBLY
(200722-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	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	97489	O-RING KIT	2
7	96751	#16 FLANGE 45 12 JIC - CODE 62	2
8	90729	#16 FLANGE KIT - CODE 62	4
9	83868-04	#16 FLANGE 90 12 JIC - CODE 62	1
10	140633-04	ELBOW - 12 JIC BULKHEAD 45	1
11	83476-04	FITTING - 12 JIC BULKHEAD UNION	5
12	90952-04	FITTING - 12 JIC SWIV 45	1
13	83475-04	FITTING - 6 JIC BULKHEAD UNION	6
14	128646	ADAPTOR ST. - 6 JIC X 1/8 NPT	4
15	83705-04	FITTING - 10 SAE X 12 JIC ST	2
16	83953-04	FITTING - 6 JIC FEM SW. 90	1
17	83743-04	ELBOW 90 - 4 JIC - 4 SAE	2
18	86164	HEX BOLT - 1/2-13 X 1 1/4	2
19	83317	LOCKWASHER - 1/2	2
20	83781-04	FLAT WASHER - 1/2	2
21	20N62	BOLT, HEX 3/8 - 16 X 5"	2
22	83055	HEX NUT - 3/8-16 UNC GR8	2
23	83056	LOCKWASHER - 3/8 I.D. NOM	2
24	83757	FLAT WASHER - 3/8	2

C-1 CONVEYOR WEAR PLATE ASSEMBLY

(200732-01)

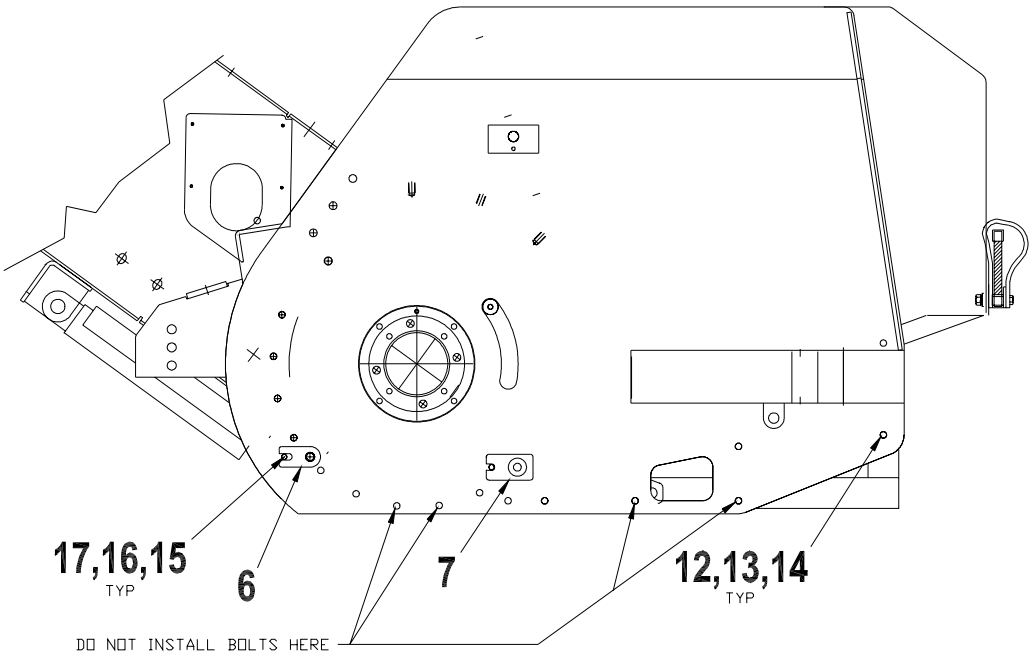


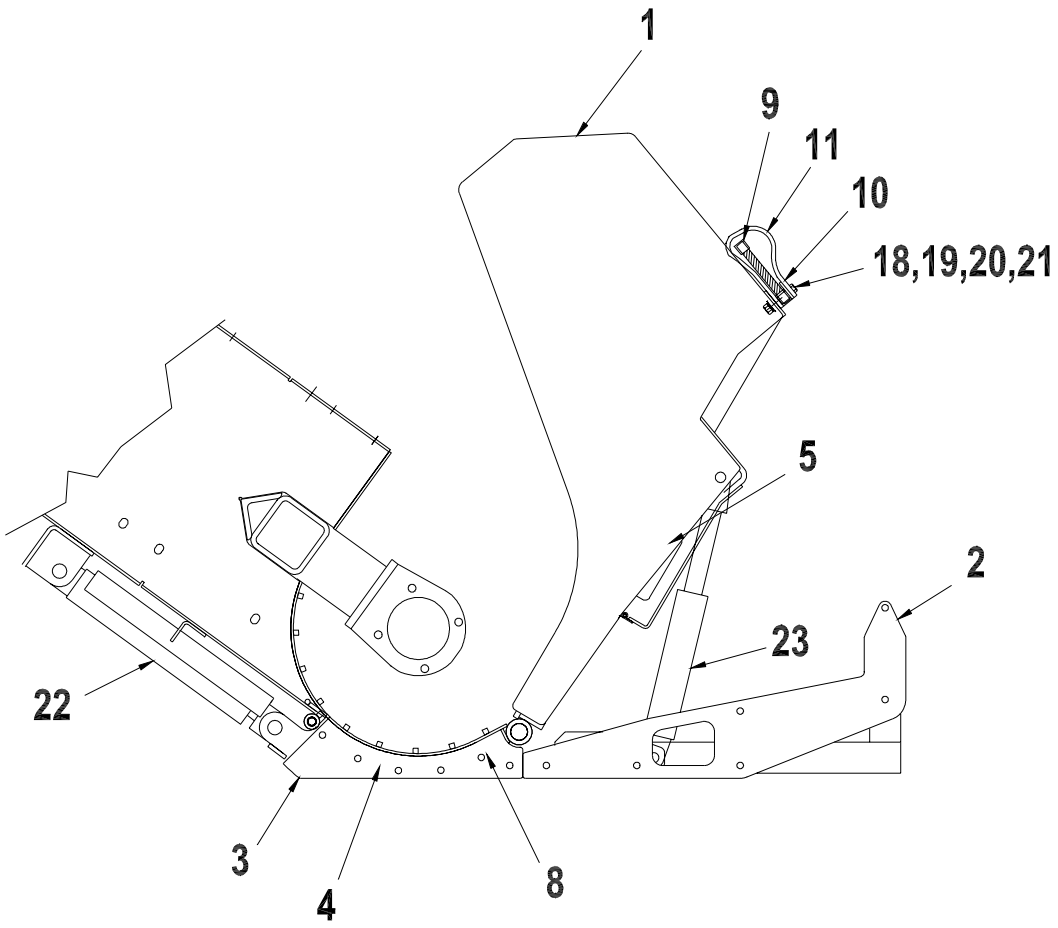


C-1 CONVEYOR WEAR PLATE ASSEMBLY
(200732-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	98961-03	C1 LINER PLATE, CASTING NI-HARD	16
2	29C18	CSK BOLT, 1/2 - 13 X 1 3/4	38
3	83781-04	FLAT WASHER, 1/2	70
4	83317	LOCKWASHER, 1/2	70
5	83288	HEX NUT, 1/2 - 13, GR 8	38
6	200669-01	C1 FLOOR LINER PLATE - REAR	1
7	200668-03	C1 SIDE LINER PLATE, FRONT (TENS BLUE)	2
8	86164	HEX BOLT, 1/2 - 13 X 1 1/4	32
9	149877-03	SIDE LINER PLATE (TENS BLUE)	14

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





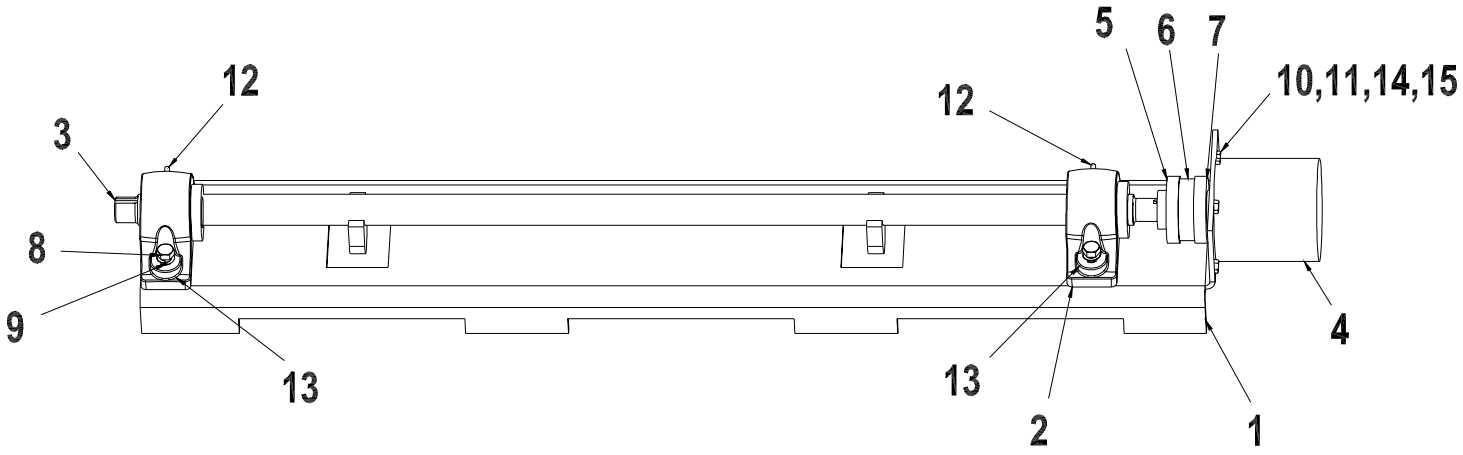
SIDE VIEW, SIDEPLATE REMOVED

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

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

DUMP HOPPER VIBRATOR ASSEMBLY

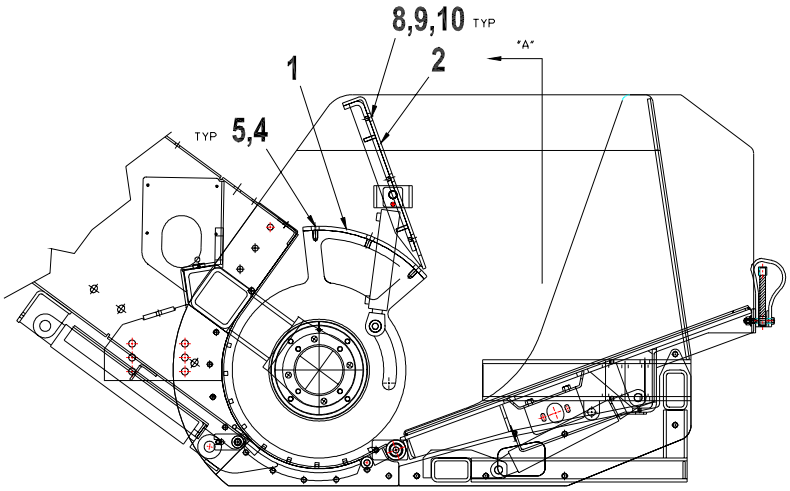
(133304-01)



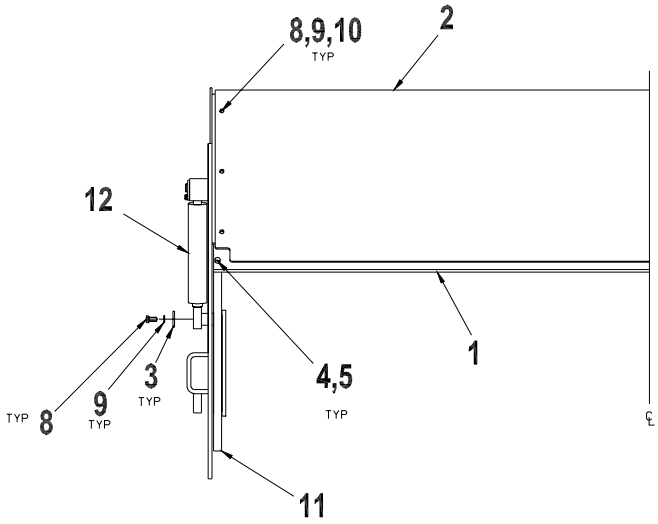
C-1 DUMP HOPPER VIBRATOR ASSEMBLY
(133304-01)

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

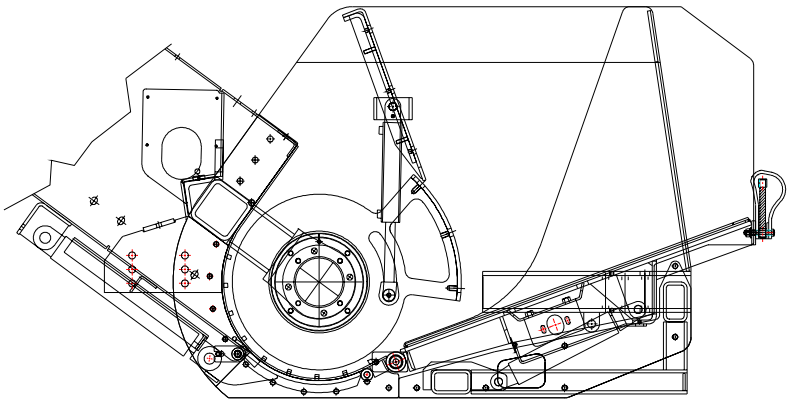
C-1 BAFFLE ASSEMBLY
(149437-01)



SIDE VIEW
BAFFLE OPEN



PARTIAL VIEW "A"



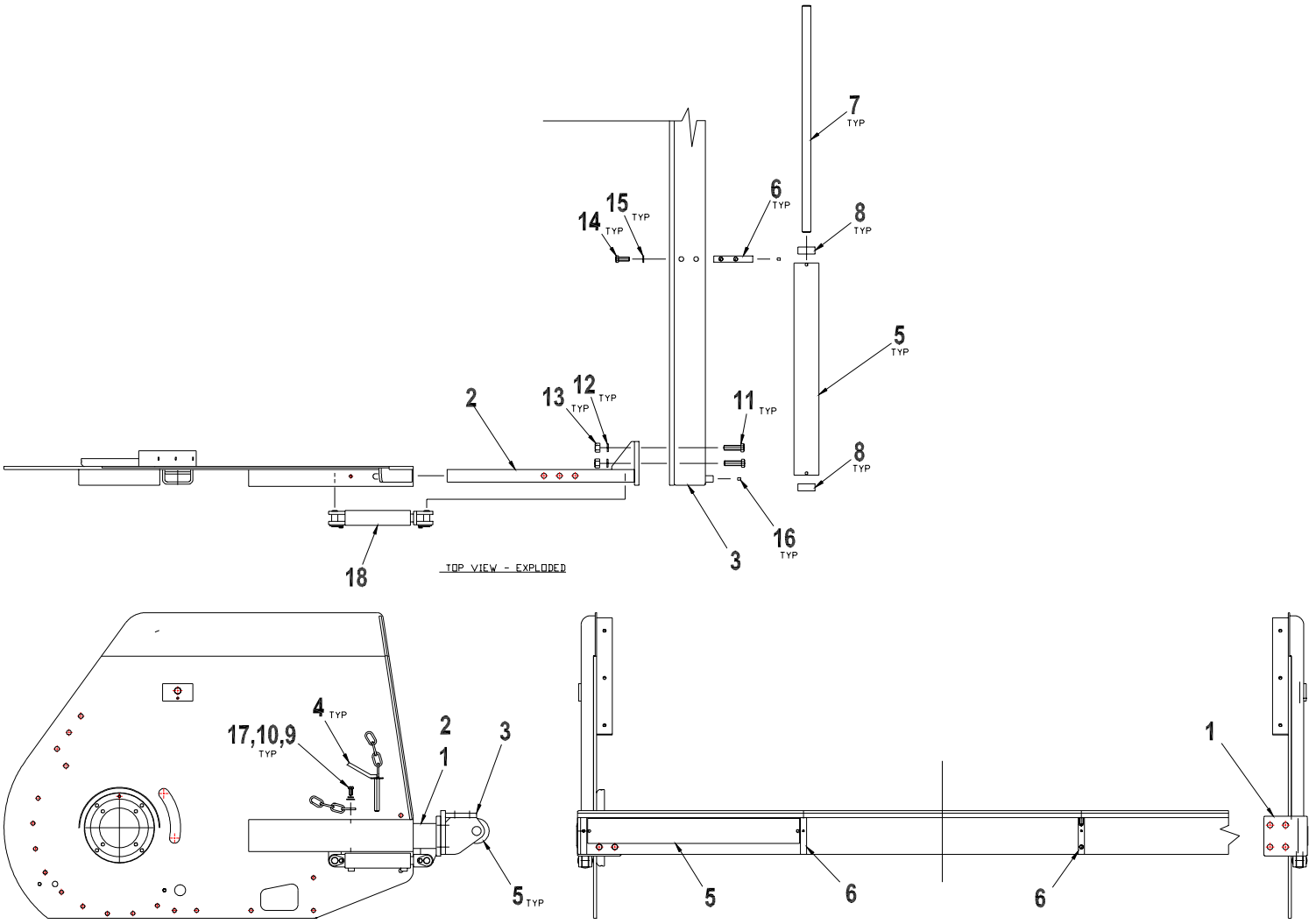
SIDE VIEW
BAFFLE CLOSED

C-1 BAFFLE ASSEMBLY
(149437-01)

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

HYDRAULIC PUSH ROLLER ASSEMBLY

(149438-01)

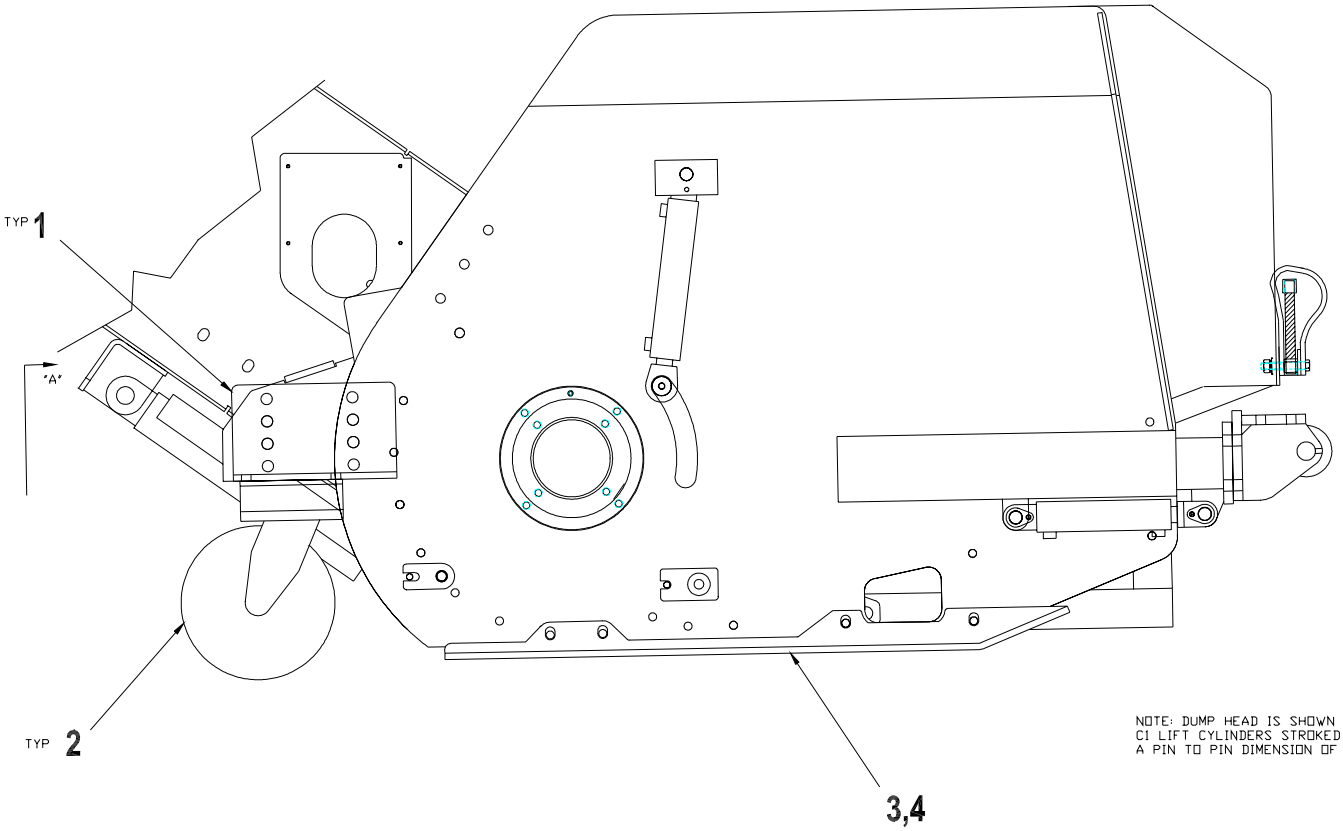


HYDRAULIC PUSH ROLLER ASSEMBLY
(149438-01)

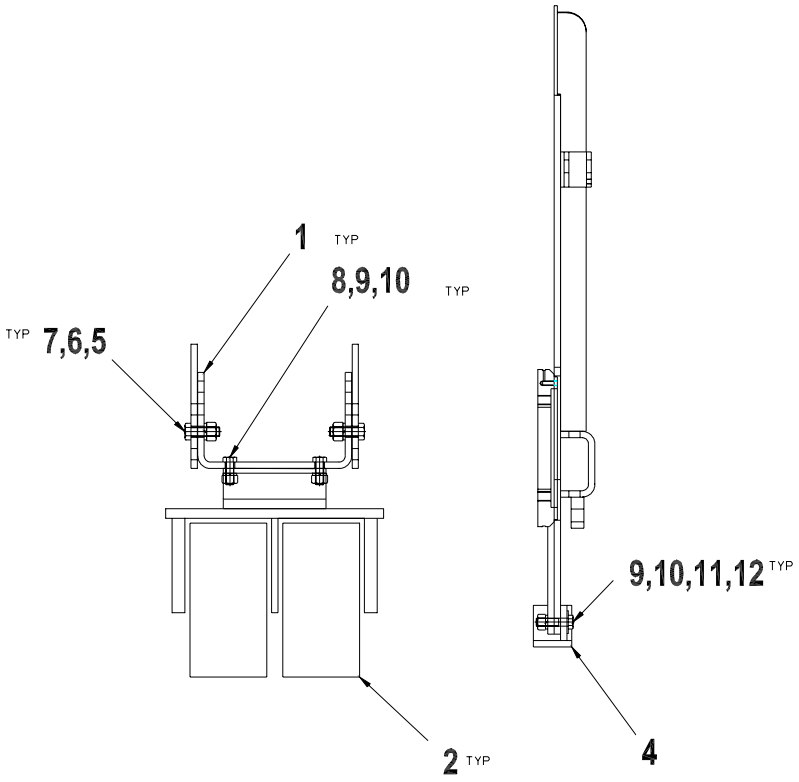
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147960-01L	L.H. PUSH ROLLER SUPPORT	1
2	147960-01R	R.H. PUSH ROLLER SUPPORT	1
3	147959-01	PUSH ROLLER TROLLEY FRAME	1
4	148064-03	PUSH ROLLER LOCKING PIN	2
5	137441-02	34" PUSH ROLLER	2
6	147961-04	BOLT-ON PUSH ROLLER LUG	2
7	137442-03	PUSH ROLLER SHAFT	2
8	84734-04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

C-1 CASTER & SKID RUNNER ASSEMBLY

(148085-01)



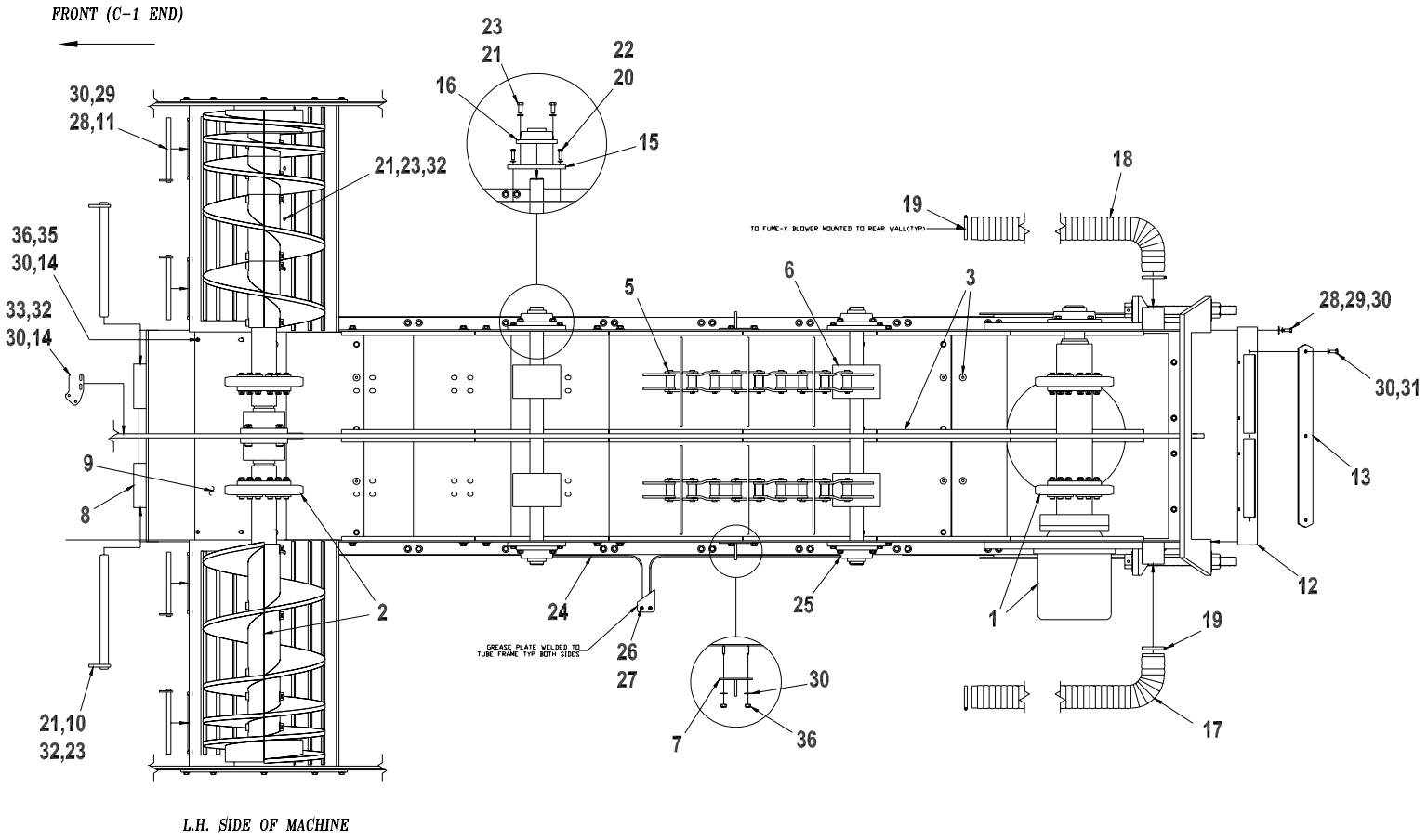
NOTE: DUMP HEAD IS SHOWN WITH CI LIFT CYLINDERS STROKED TO A PIN TO PIN DIMENSION OF 40 1/2".



PARTIAL VIEW "A"

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

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142499-02	ADJ. CASTER MOUNTING PLATE	2
2	132001-04	SWIVEL CASTER W/ CAST IRON WHEELS	2
3	148096-01L	L.H. SKID RUNNER	1
4	148096-01R	R.H. SKID RUNNER	1
5	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	8
6	83752-04	LOCKWASHER 3/4"	8
7	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
8	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	8
9	84717	LOCKWASHER 5/8"	16
10	85148	NUT, HEX 5/8 - 11 GD. 8	16
11	89252	BOLT, HEX 5/8 - 11 X 2 1/2"	8
12	85147	FLAT WASHER 5/8"	8

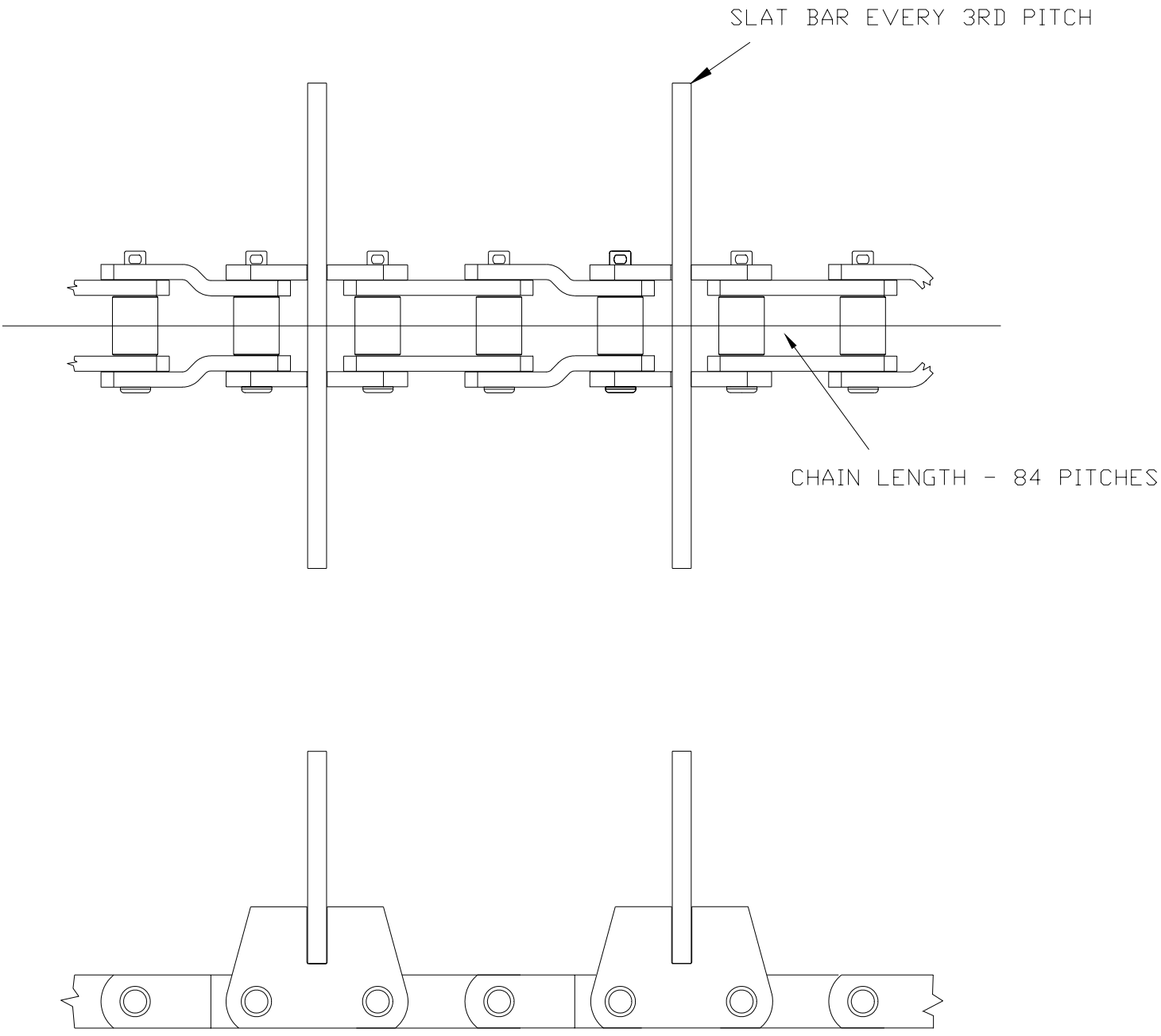

FRONT (C-1 END)
23
21
22
20
16
15
30,29
28,11
21,23,32
18
19
TO FUME-X BLOWER MOUNTED TO REAR WALL(TYP)
36,35
30,14
33,32
30,14
5
6
3
28,29,30
30,31
13
9
8
2
24
25
1
12
19
GREASE PLATE WELDED TO TUBE FRAME TYP BOTH SIDES
26
27
30
36
7
17
21,10
32,23
L.H. SIDE OF MACHINE

SB-2500C C-2 CONVEYOR ASSEMBLY
(202273-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200516-01	C-2 HEADSHAFT & TAKE-UP	1
2	202272-01	C-2 FOOTSHAFT & AUGER	1
3	200518-01	C-2 WEAR & BOTTOM PLATE	1
4	200519-01	FLOWGATE ASSY. (NOT SHOWN)	1
5	138906-02	C-2 CHAIN	1
6	99363-01	C-2 IDLER	2
7	129384-03	CHAIN INSPECTION COVER PLATE	2
8	146679-02	C-2 CLEAN-OUT DOOR	1
9	146680-02	C-2 CLEAN-OUT DOOR LINER	1
10	146683-03	C-2 CLEAN-OUT DOOR PIN	2
11	200200-04	AUGER ACCESS DOOR PIN	4
12	200201-03	C-2 CHAIN ACCESS DOOR	1
13	200210-03	C-2 WASHDOWN PANEL	1
14	148168-04	LIMIT SWITCH BRKT.	1
15	99364-03	BEARING MOUNT PAD	4
16	88993-04	4 BOLT FLANGE BEARING	4
17	125232-04	HOSE - 4" FLEX 2 PLY X 120"	1
18	125232-04	HOSE - 4" FLEX 2 PLY X 168"	1
19	129000	CLAMP - 4 1/2" IDEAL HOSE	4
20	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	16
21	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	28
22	84717	LOCKWASHER 5/8" SPRING STEEL	16
23	83317	LOCKWASHER 1/2" SPRING STEEL	34
24	144367-04	GREASE LINE - 1/4" X 36" W/ 4 JIC SW ENDS	4
25	84560-04	FITTING - 1/8" NPT X 4 JIC 90	4
26	83742-04	FITTING - 1/8" NPT X 4 JIC ST CONN.	4
27	83416	FITTING - 1/8" NPT GREASE	4
28	84332	BOLT, HEX 3/8 - 16 X 1"	16
29	83056	LOCKWASHER 3/8" SPRING STEEL	16
30	83757	FLAT WASHER 3/8" STEEL	27
31	89987-04	WING BOLT 3/8 - 16 X 1"	3
32	83781-04	FLAT WASHER 1/2" STEEL	18
33	29C18	BOLT, C'SUNK 1/2 - 13 X 1 3/4"	6
34	83288	NUT, HEX 1/2 - 13 GR. 8	6
35	83924	BOLT, HEX 3/8 - 16 X 1 1/2"	2
36	92235	NUT, CENTER LOCK 3/8 - 16 GR. 8	6
37			
38			
39			
40			

C-2 CONVEYOR CHAIN ASSEMBLY

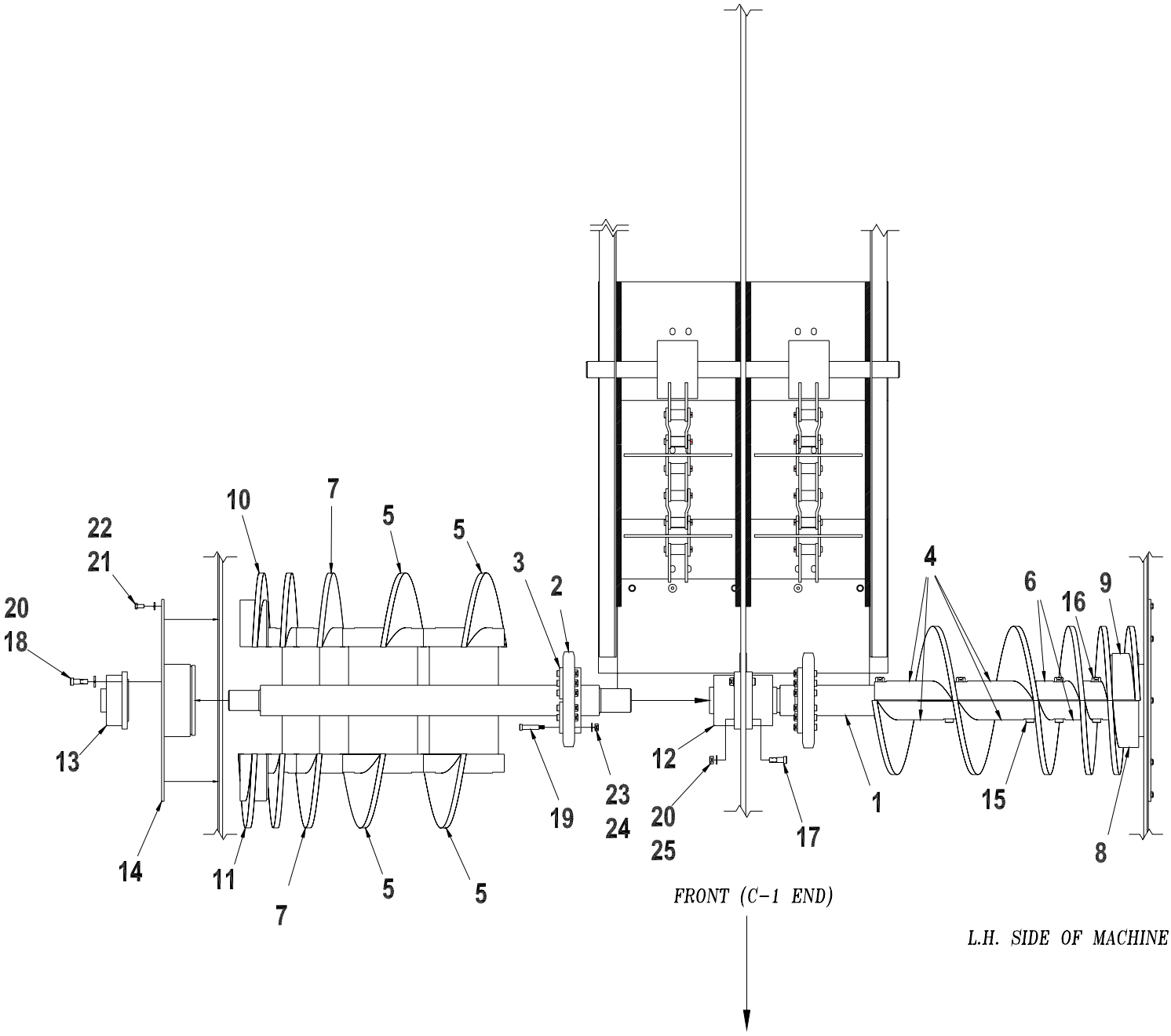
(138906-02)



C-2 CONVEYOR CHAIN ASSEMBLY
(138906-02)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	124151	5/8" PLATE X 7 X 16 A572 GR. 50	56
2		SLAT CHAIN SET	REF

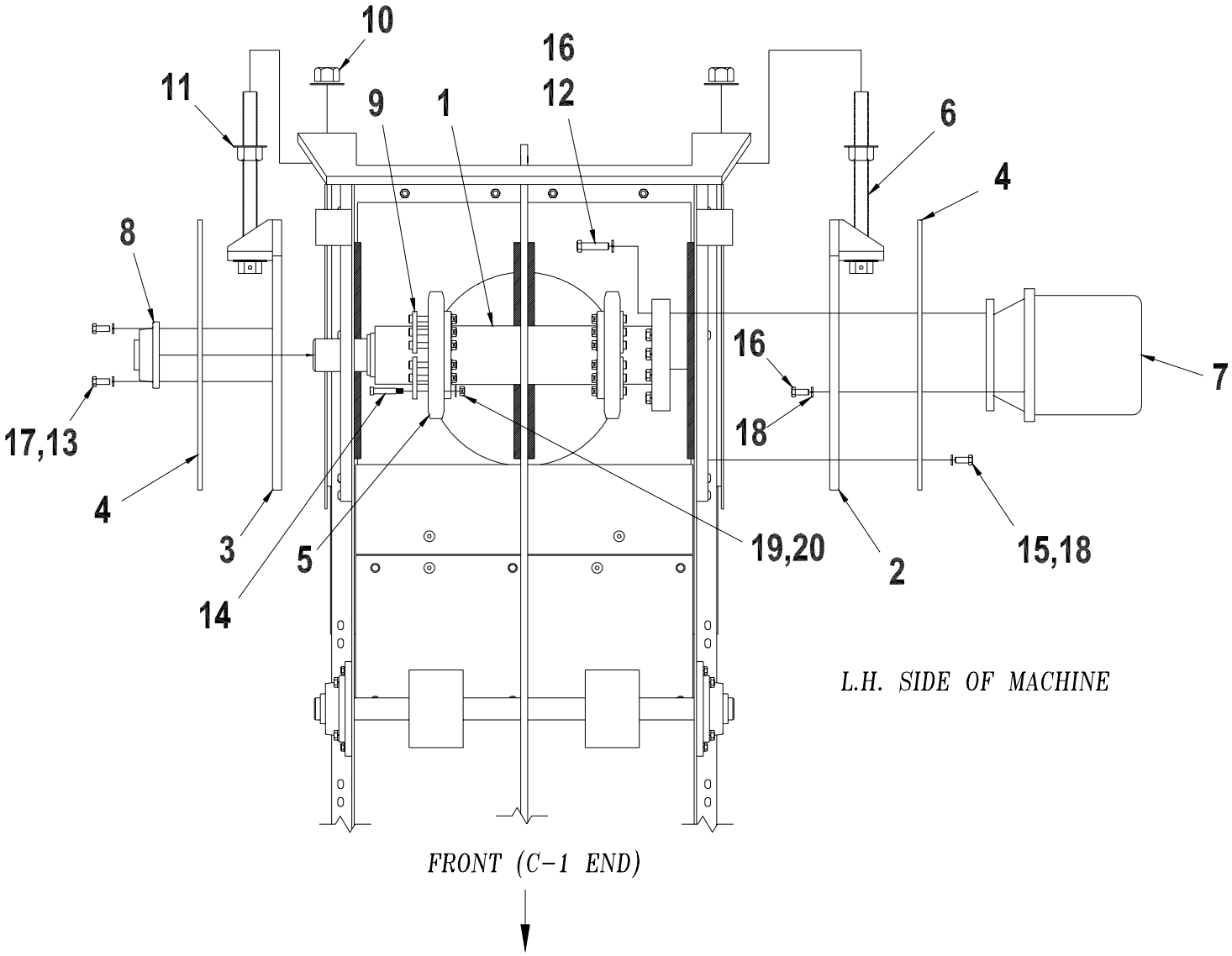
C-2 FOOTSHAFT & AUGER ASSEMBLY
(202272-01)



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

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

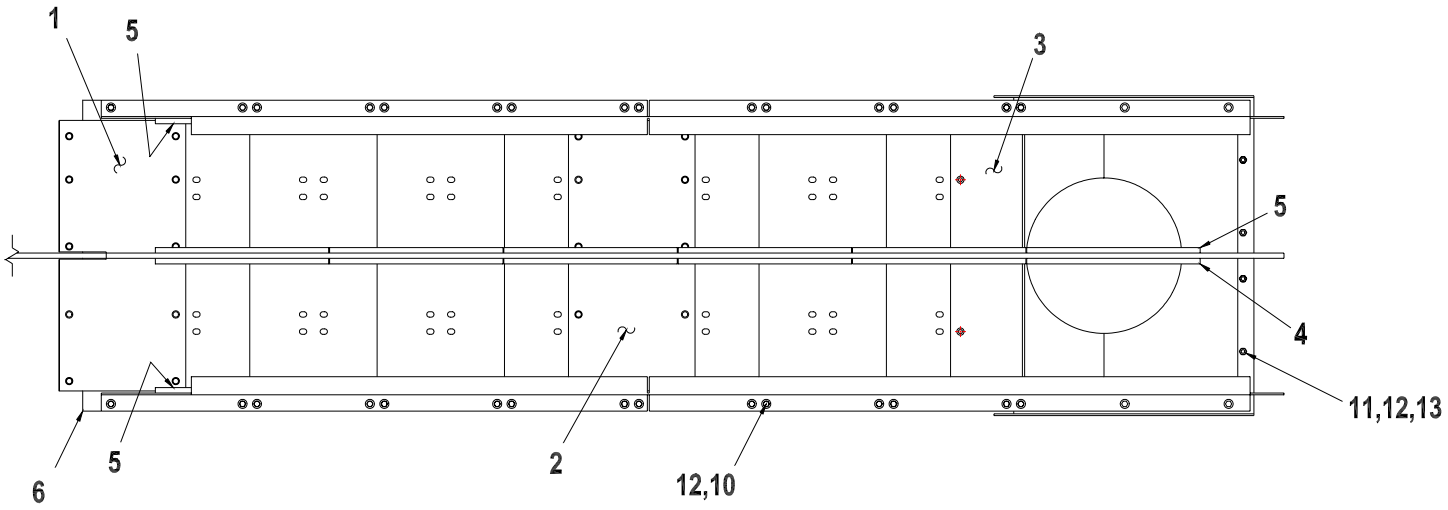
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(200516-01)

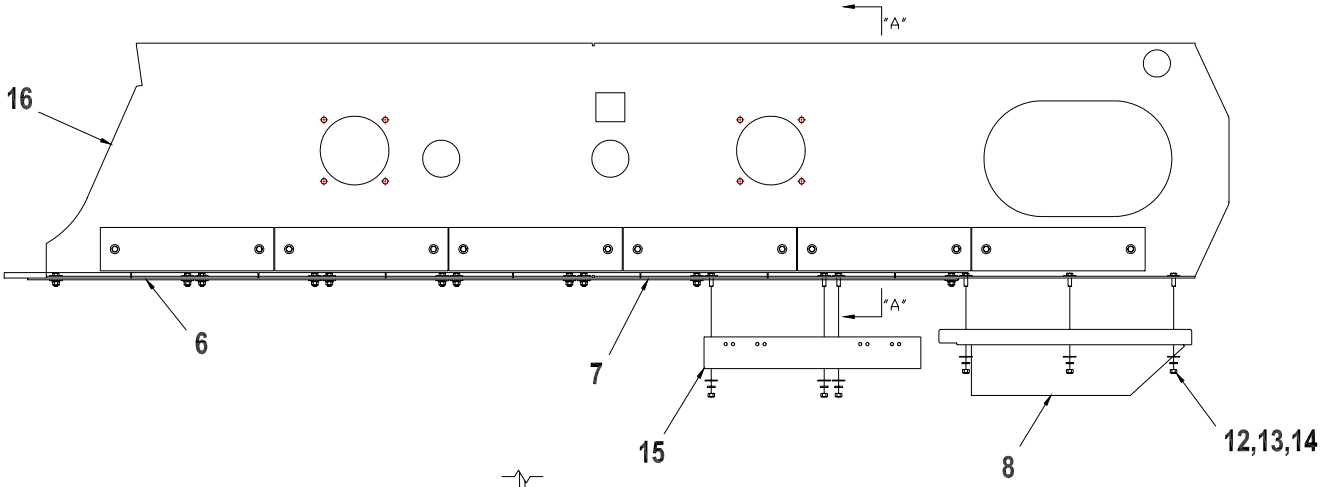


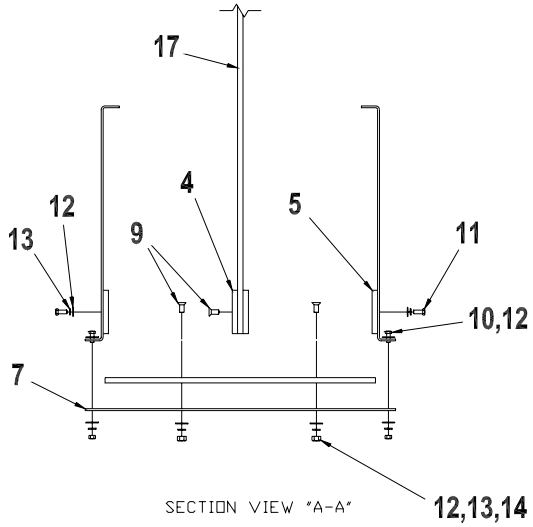
C-2 HEADSHAFT & TAKE-UP ASSEMBLY
(200516-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138589-01	C-2 HEADSHAFT	1
2	200196-01	L.H. TAKE-UP	1
3	200197-01	R.H. TAKE-UP	1
4	122419-03	UPPER KEEPER BAR	2
5	139350-02	10 TOOTH SPROCKET	2
6	99060-04	TAKE-UP SCREW	2
7	141780-01	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	93212	SCREW, SOCKET HD. CAP 3/4 - 10 X 2"	4
14	138651-04	BOLT, SHOULDER 5/8 X 2 1/2" (1/2 - 13 THREAD)	24
15	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	12
16	93122	BOLT, HEX 5/8 - 11 X 2 1/4"	24
17	83752-04	LOCKWASHER 3/4" SPRING STEEL	16
18	84717	LOCKWASHER 5/8" SPRING STEEL	36
19	10D63	FLAT WASHER 5/8" HARD	24
20	139741-04	NUT, CTR. GRIP LOCK 1/2 - 13	24

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





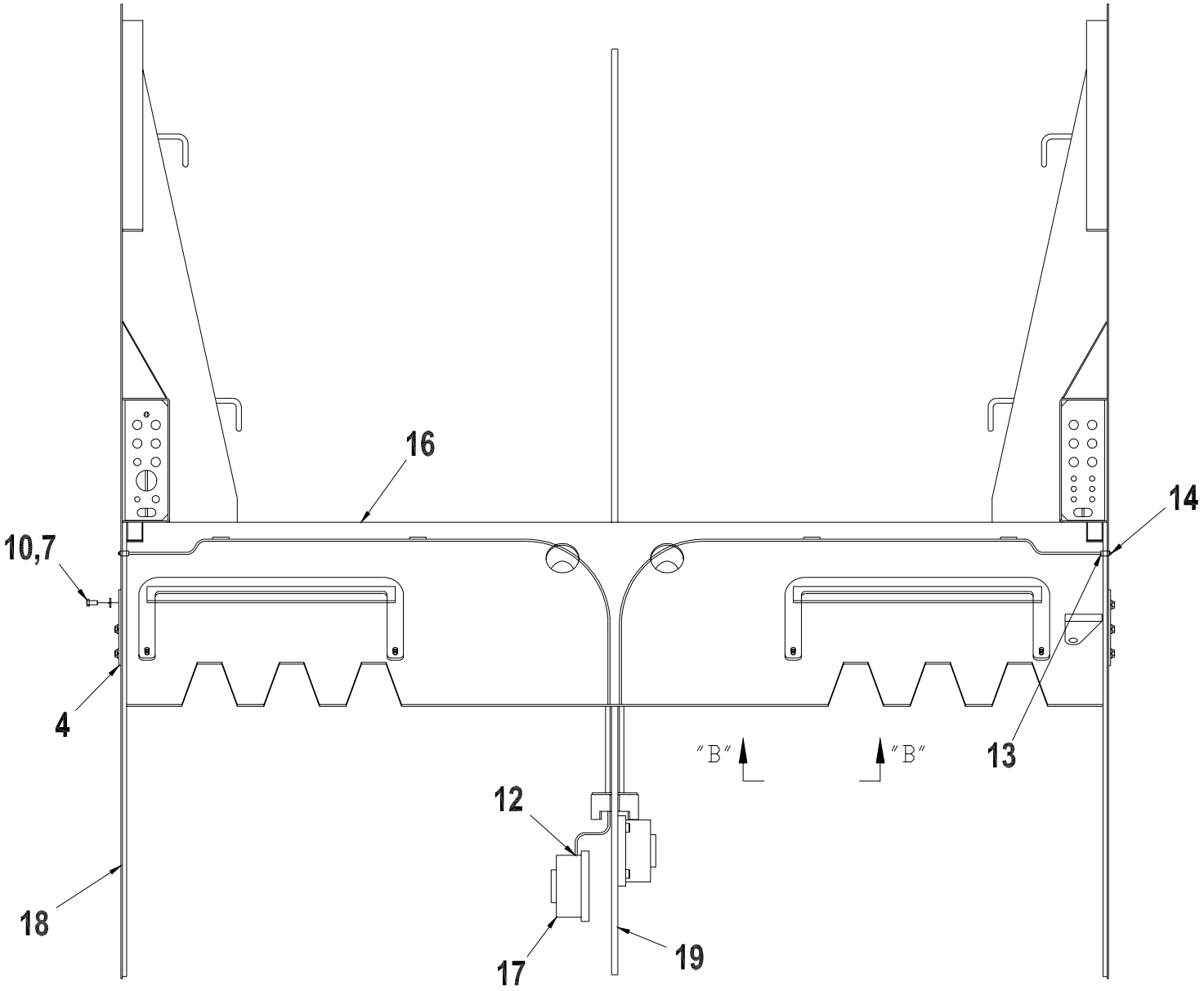


SECTION VIEW "A-A"

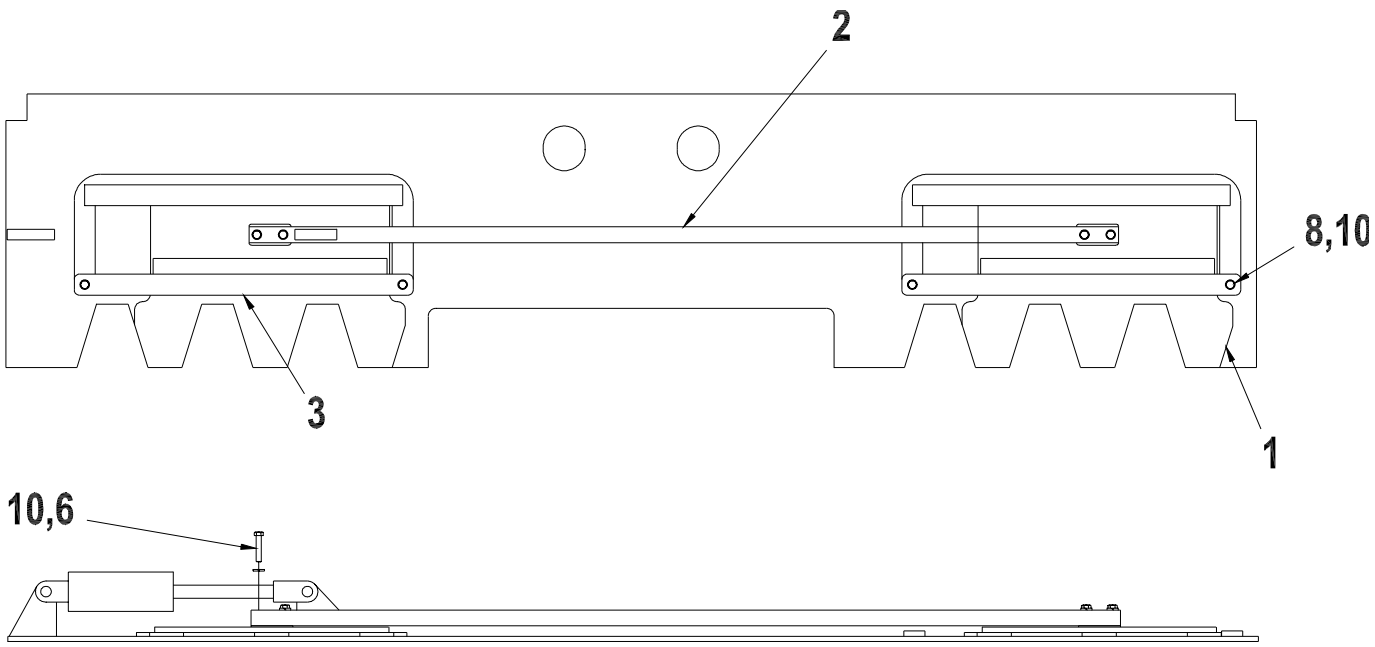
C-2 LINER & BOTTOM PLATE ASSEMBLY
(200518-01)

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

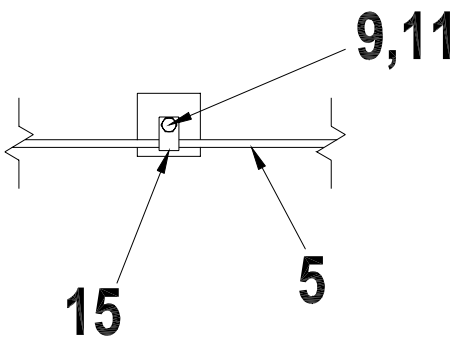
FLOWGATE ASSEMBLY
(200519-01)



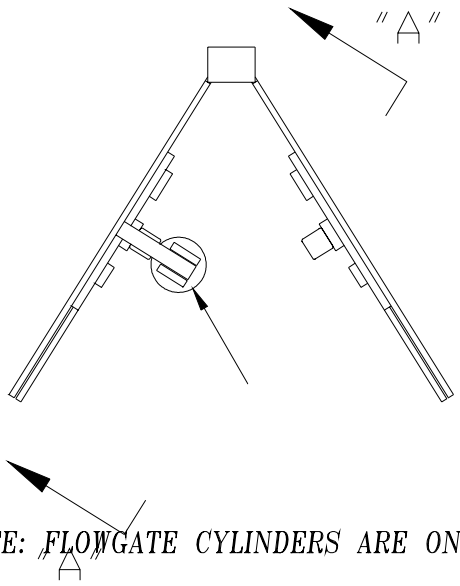
FLOWGATE ASSEMBLY
(200519-01)



VIEW "A-A" DETAIL



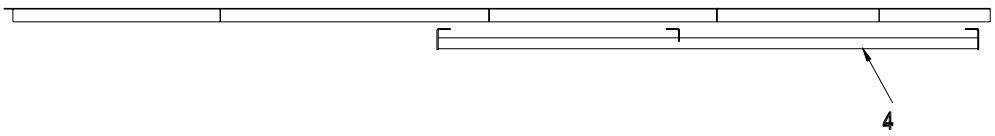
VIEW "B-B" DETAIL

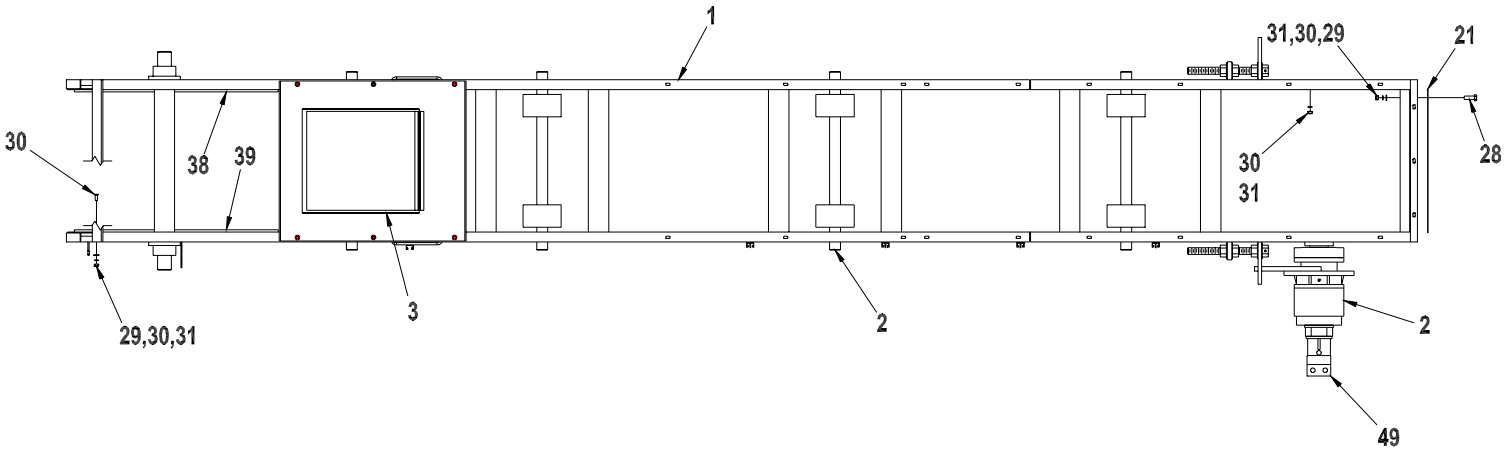


NOTE: FLOWGATE CYLINDERS ARE ONE PER SIDE

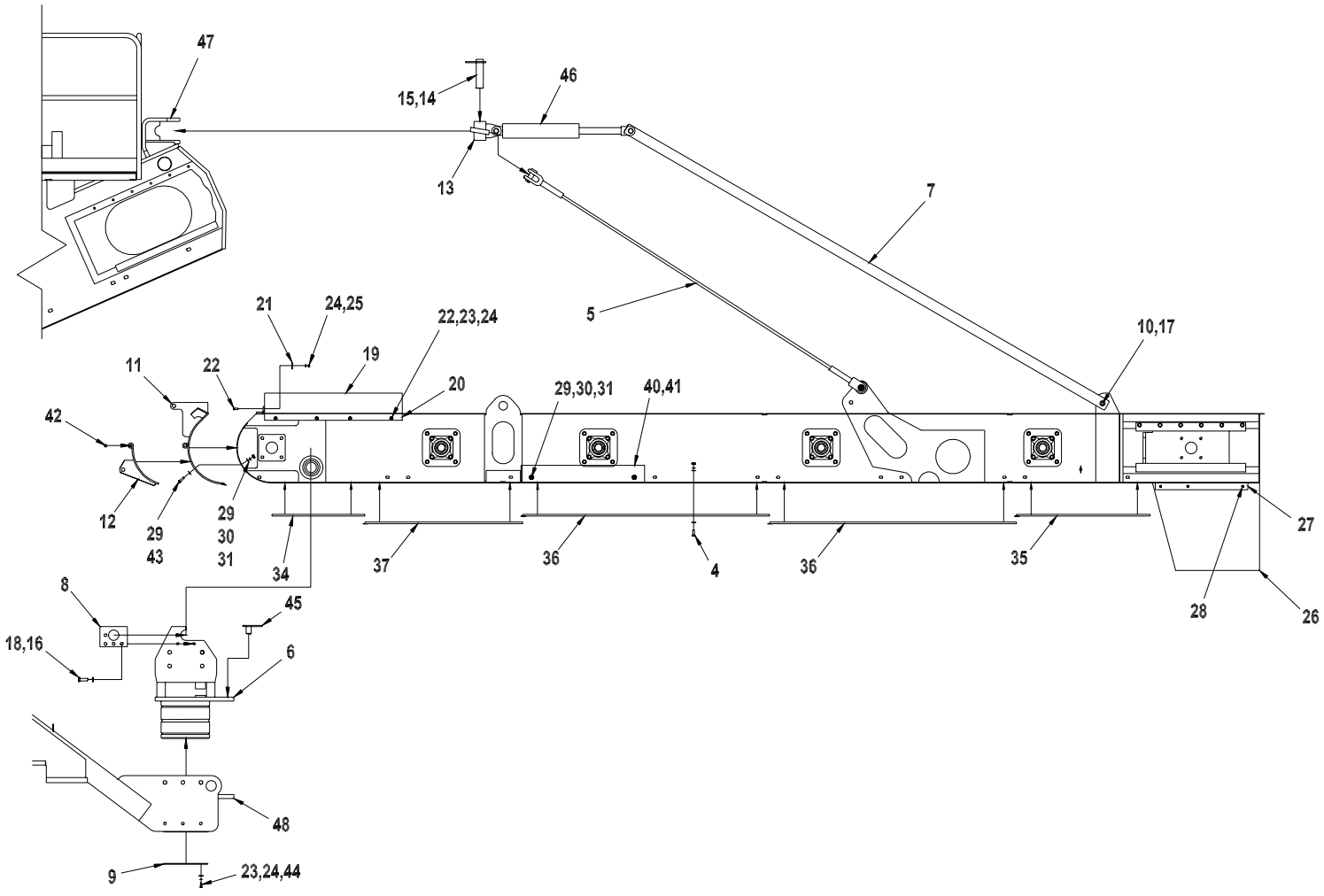
FLOWGATE ASSEMBLY
(200519-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200179-03	INNER FLOWGATE	4
2	200178-03	FLOWGATE TIE ROD	2
3	200145-03	INNER FLOWGATE KEEPER BAR	4
4	200177-03	FLOWGATE ACCESS COVER	2
5	134175-04	GREASE LINE - 1/4" X 94" W/ 4 JIC SWIVEL ENDS	2
6	26C56	BOLT, HEX 1/2 - 13 X 2 1/4"	8
7	83754	BOLT, HEX 1/2 - 13 X 1"	14
8	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	8
9	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	4
10	83317	LOCKWASHER 1/2" SPRING STEEL	30
11	83065	LOCKWASHER 1/4" SPRING STEEL	4
12	99509	FITTING - 1/8" NPT X 4 JIC 45	2
13	83742-04	FITTING - 1/8" NPT X 4 JIC ST CONNECTOR	2
14	83416	GREASE FITTING - 1/8" NPT	2
15	80539-04	CLAMP - 3/8" CONDUIT (METAL)	4
16	149997-01	FLOWGATE	
17	29M97	BEARING - 4 BOLT FLANGE (3.5 SHAFT)	
18	149993-01L	R.H. SIDEWALL	
19	149996-01	CENTER PLATE	
20	144894-01	CYLINDER - 1 3/4 ROD X 5" STROKE	


4


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31,30,29
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29,30,31
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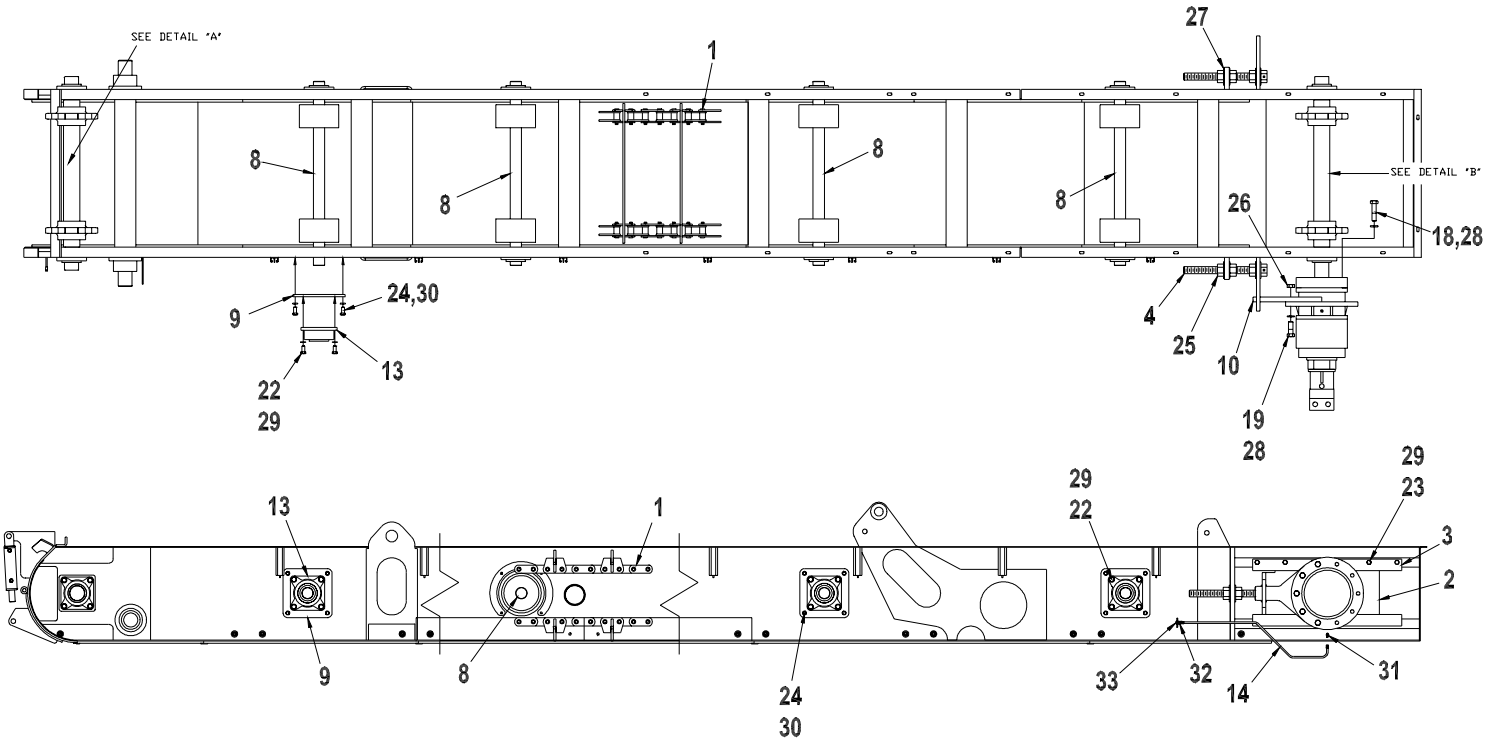
C-3 CONVEYOR ASSEMBLY
(201179-01)

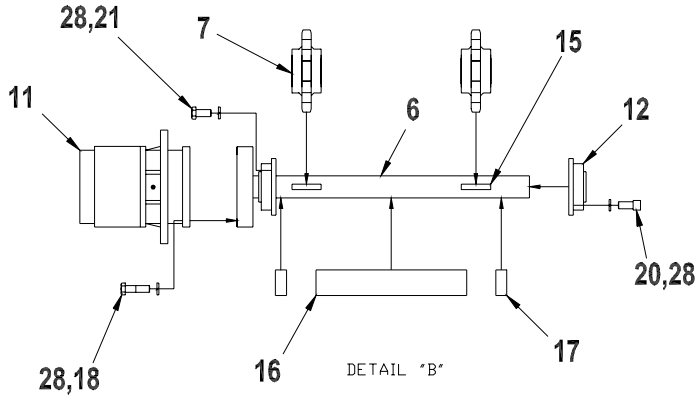


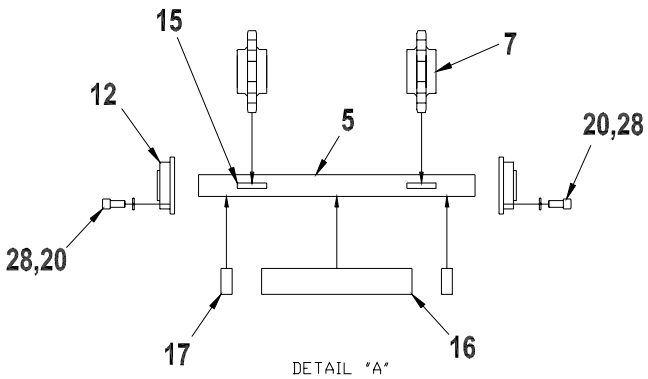
C-3 CONVEYOR ASSEMBLY
(201179-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145970-01A	C-3 CONVEYOR	1
2	200526-01	C-3 CHAIN AND IDLER	1
3	145562-01	C-3 TOP COVER	1
4	200528-01	C-3 INSULATION AND TRUCK RAIL	1
5	200783-04	C-3 SAFETY CABLE X 156'	2
6	201177-01	PIVOT YOLK	1
7	138960-01	CONVEYOR LIFT BAR	1
8	121890-02	LOCK PLATE	2
9	201178-03	BOTTOM KEEPER PLATE	1
10	129582-04	LIFT BAR PIN	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	83416	1/8 NPT GREASE NIPPLE	1
16	83752-04	LOCKWASHER - 3/4 (SPRING STEEL)	8
17	27D66	PIN - 3/16 X 2 COTTER	2
18	93723	HEX BOLT - 3/4-10 X 2 1/2 GR8	8
19	125193-01	FLASHING (RECEIVING)	1
20	122124-04	FLASHING CLAMP BAR (RECEIVING)	2
21	99789-04	FLASHING CLAMP BAR (INNER)	2
22	83924	HEX BOLT - 3/8-16 X 1 1/2 GR8	11
23	83757	FLAT WASHER - 3/8 STEEL	14
24	83056	LOCKWASHER - 3/8 SPRING STEEL	14
25	83055	HEX NUT - 3/8-16 GR8	3
26	142166-01	FLASHING (DISCHARGE)	1
27	99788-04	FLASHING CLAMP BAR (DISCHARGE)	2
28	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	9
29	83781-04	FLAT WASHER - 1/2 STEEL	45
30	83317	LOCKWASHER - 1/2 SPRING STEEL	45
31	83288	HEX NUT - 1/2-13 GR8	45
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	200806-01	C-3 CONTROL HYDRAULICS	REF
47	200166-03	TOP C-3 PIVOT	REF
48	149994-01	MAINFRAME	REF
49	145972-01	C-3 DRIVE HYDRAULICS	REF
50			

C-3 CHAIN & IDLER ASSEMBLY
(200526-01)





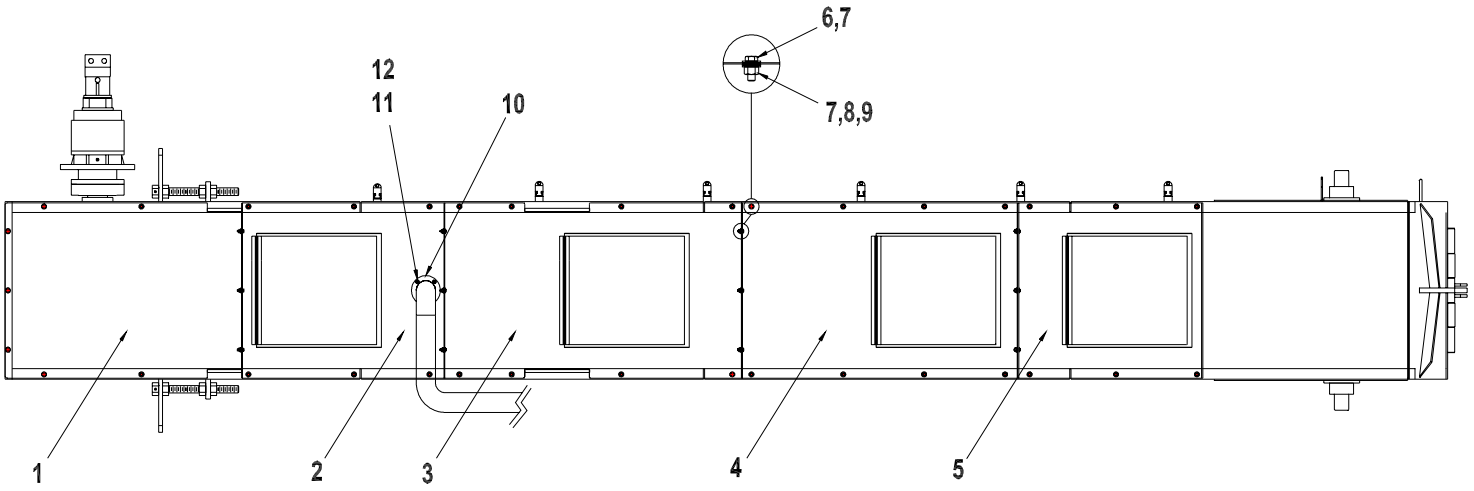


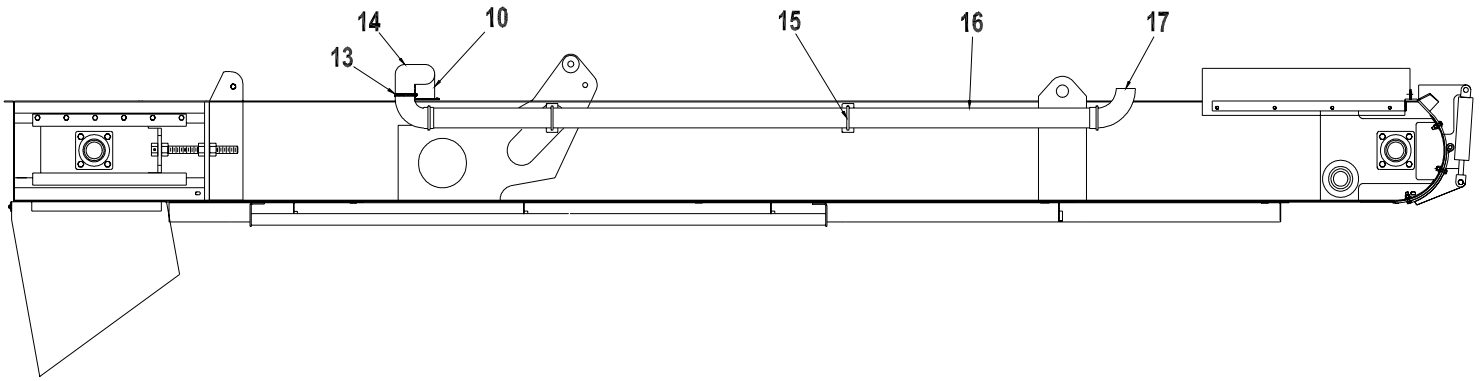
C-3 CHAIN & IDLER ASSEMBLY
(200526-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	138907-02	CHAIN ASSEMBLY	1
2	122406-01	TAKE-UP PLATE	2
3	122419-03	TAKE-UP KEEPER BAR	2
4	99060-04	TAKE-UP SCREW	2
5	99784-03	TAIL SHAFT	1
6	99779-01	HEAD SHAFT	1
7	144482-02	10 TOOTH SPROCKET (BOLTS SUPPLIED)	4
8	146687-01	IDLER	4
9	99364-03	BEARING MOUNT PAD	8
10	99778-03	ADJUSTMENT ARM	1
11	145338-01	C-1/ C-3 DRIVE GEARBOX	1
12	29G14	4 BOLT FLANGED BEARING (3" SHAFT)	4
13	88993-04	4 BOLT FLANGED BEARING (2 7/16 SHAFT)	8
14	144367-04	GREASE LINE - 1/4 X 36 WITH 4 JIC SW	2
15	OO965	KEYSTOCK - 3/4 X 4 LG	4
16	10385	RD TUBE - 3 1/2 X 3/16 WA X 20 7/16 LG	2
17	10385	RD TUBE - 3 1/2 X 3/16 WA X 1 1/2 LG	4
18	133348	HEX BOLT - 3/4-16 X 3 1/2 GR8	8
19	95930	HEX BOLT - 3/4-10 X 2 3/4 GR8	5
20	93212	BOLT - 3/4-10 X 2 S.H.C.S.	12
21	93071	HEX BOLT - 3/4-10 X 2 GR8	4
22	89143	HEX BOLT - 5/8-11 X 1 3/4 GR8	32
23	84778	HEX BOLT - 5/8-11 X 1 1/2 GR8	12
24	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	32
25	83031	HEX NUT - 1 1/2-6 GR8	6
26	95938	NUT - 3/4-10 JAM	5
27	83032	FLAT WASHER - 1 1/2 "N" SERIES	8
28	83752-04	LOCKWASHER - 3/4 SPRING STEEL	29
29	84717	LOCKWASHER - 5/8 SPRING STEEL	44
30	83317	LOCKWASHER - 1/2 SPRING STEEL	32
31	99509	FITTING - 1/8 NPT X 4 JIC 45 CONNECTOR	2
32	83742-04	FITTING - 1/8 NPT X 4 JIC ST CONNECTOR	2
33	83416	GREASE NIPPLE - 1/8 NPT	2

C-3 TOP COVER W/ FUME-EX ASSEMBLY

(145562-01)



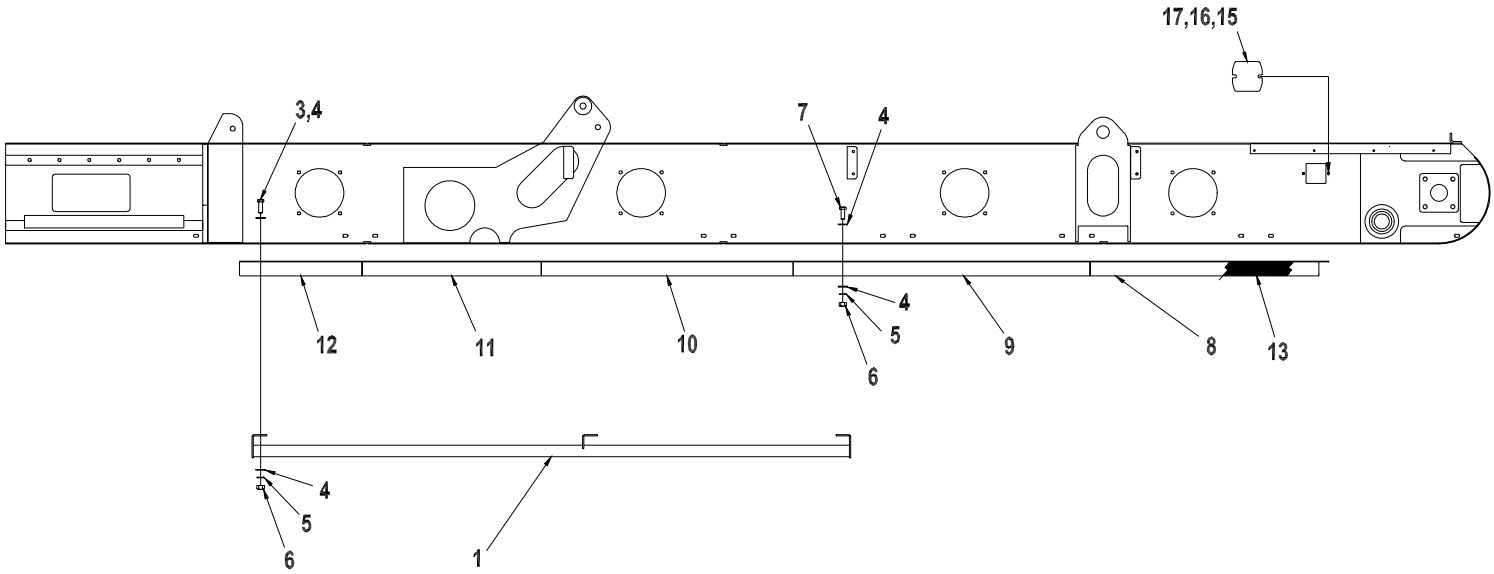


C-3 TOP COVER W/ FUME-EX ASSEMBLY
(145562-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	145557-03	TOP COVER (DISCHARGE END)	1
2	145558-03	TOP COVER	1
3	145559-03	TOP COVER (MIDDLE)	1
4	145560-03	TOP COVER	1
5	145561-03	TOP COVER (RECEIVING END)	1
6	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	40
7	83757	FLAT WASHER 3/8" STEEL	80
8	83056	LOCKWASHER 3/8" SPRING STEEL	40
9	83055	NUT, HEX 3/8 - 11 GD. 8	40
10	129111-02	FLANGED ELBOW (FOR FUME-X)	1
11	83065	LOCKWASHER 1/4" SPRING STEEL	4
12	89772	NUT, HEX 1/4 - 20 GD. 8	4
13	129000	HOSE CLAMP 4 1/2" (IDEAL #646)	2
14	125232-04	FLEX-HOSE 4" - 2 PLY X 32" LG.	1
15	93129	CLAMP, MUFFLER 4"	4
16	138462-04	FUME-X TUBE 12' LG.	1
17	29H38	ELBOW - 4" ALUMINIZED 90	2

ROADTEC
an Astec company

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



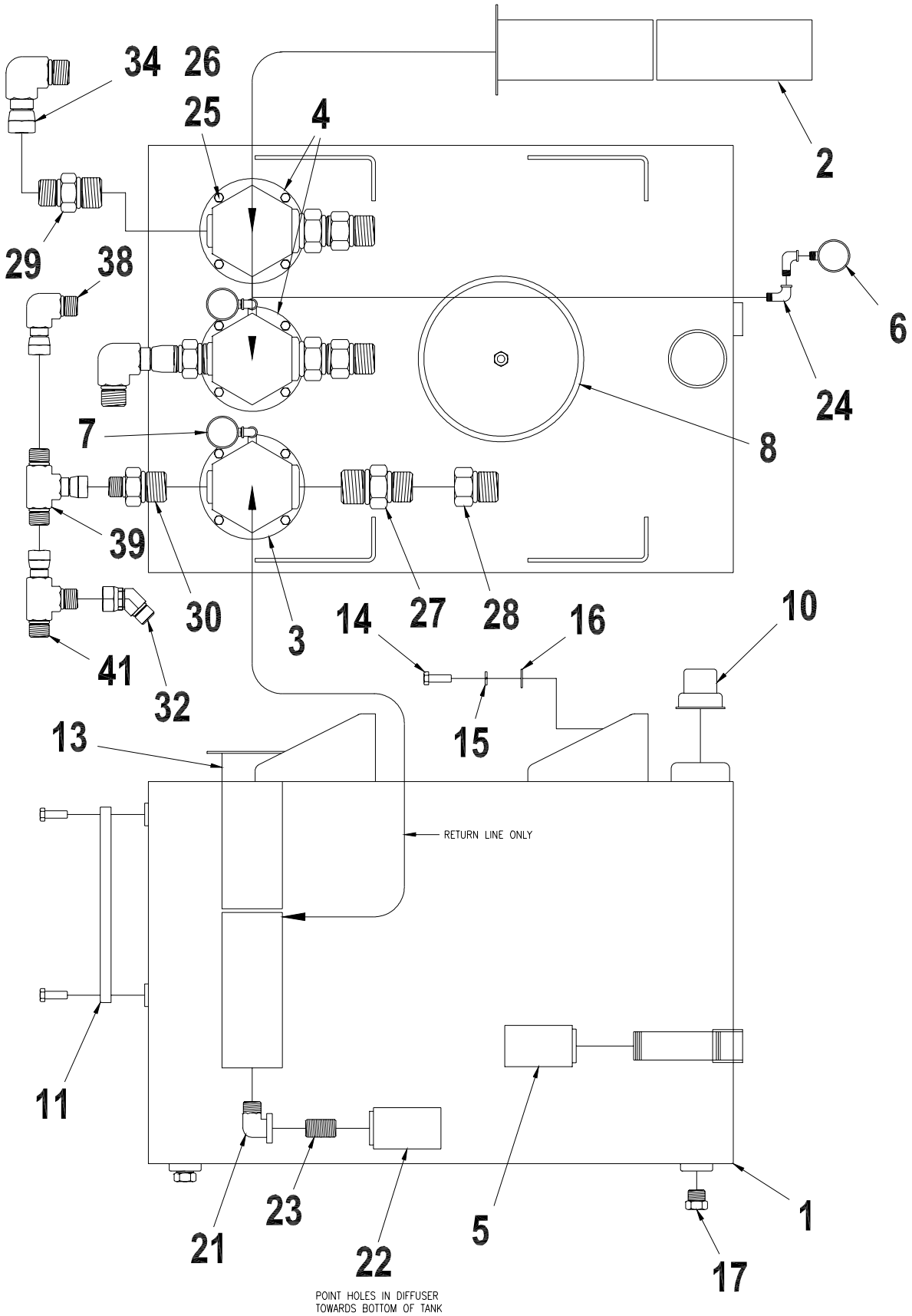
C-3 INSULATION PANEL & TRUCK RAIL
(200528-01)

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

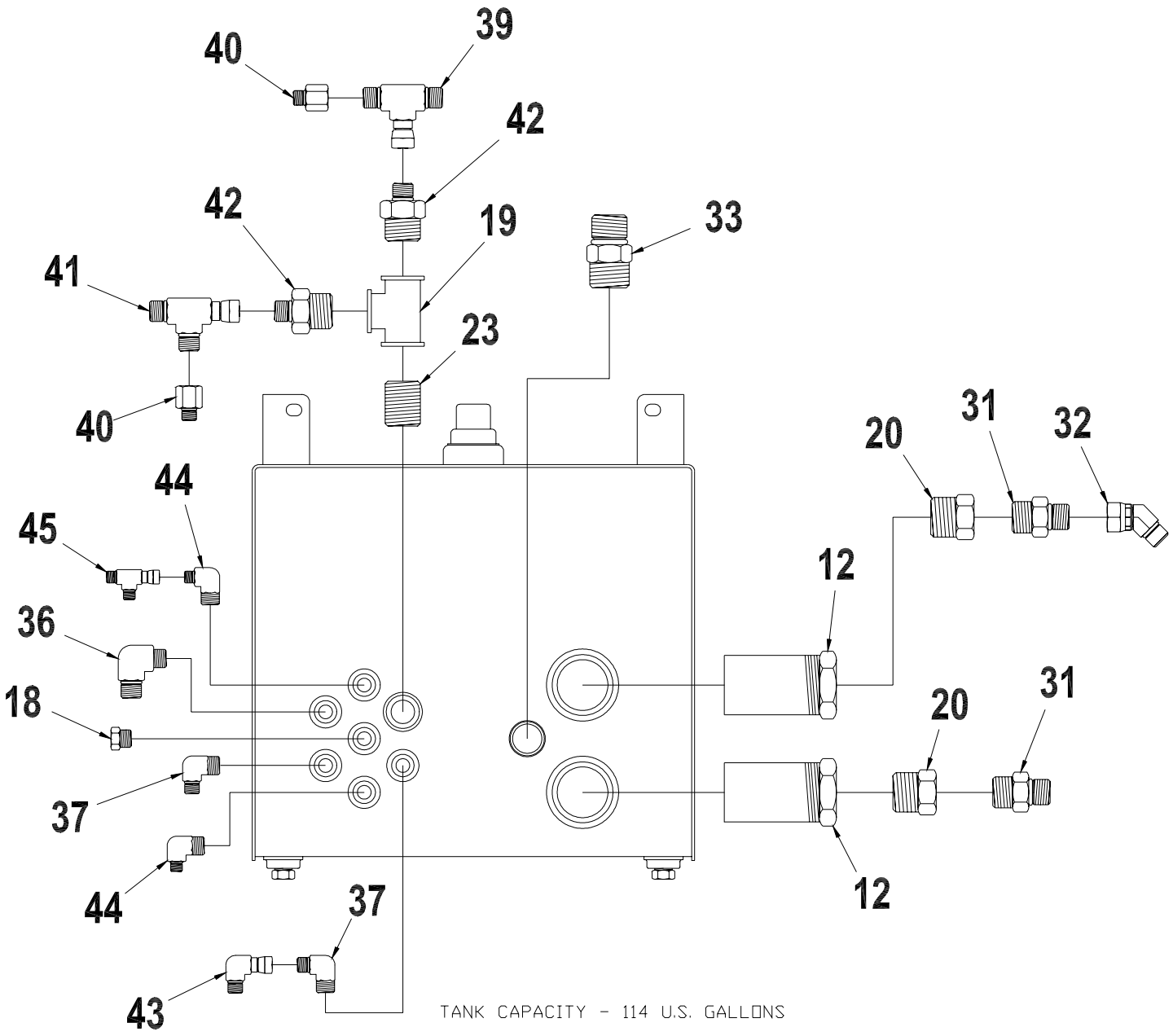
SECTION 4 : HYDRAULICS

ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	200655-01	640 & UP	4.1
AUXILIARY PUMP	200672-01		4.5
BRAKE (ROCKWELL AXLES)	201481-01		4.7
FUME CONTROL	143490-02		4.9
C-1 CONVEYOR DRIVE	147397-01		4.11
C-1 HOPPER	200789-01		4.13
C-1 HOPPER CONTROL MANIFOLD	202174-02		4.15
C-1 RAISE / LOWER	201371-01		4.17
C-1 RAISE/LOWER MANIFOLD	202137-01		4.19
C-1 HYD. PUSH ROLLER	200792-01		4.21
C-2 CONVEYOR DRIVE	149543-01		4.23
C-2 HOPPER CLEAN OUT	149422-01		4.25
C-3 CONVEYOR DRIVE	145972-01		4.27
C-3 CONTROL	200806-01		4.29
C-3 CNTL. MANIFOLD	202240-02		4.31
FLOWGATE	200774-01		4.33
FLOWGATE CNTL. MANIFOLD	202277-02		4.35
HOOD RAISE	200775-01		4.37
DRIVE (PROPEL)	200772-01		4.39
STEERING	149416-01		4.43
DIFF. LOCK VALVE	202267-02		4.45
HAND PUMP / PILOT VALVE MANIFOLD	202291-03		4.47
HYDRAULIC CHANNEL ASSY.	200284-01		4.49
SCHEMATIC	200814-01		
HOSE LIST	200307-04		

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



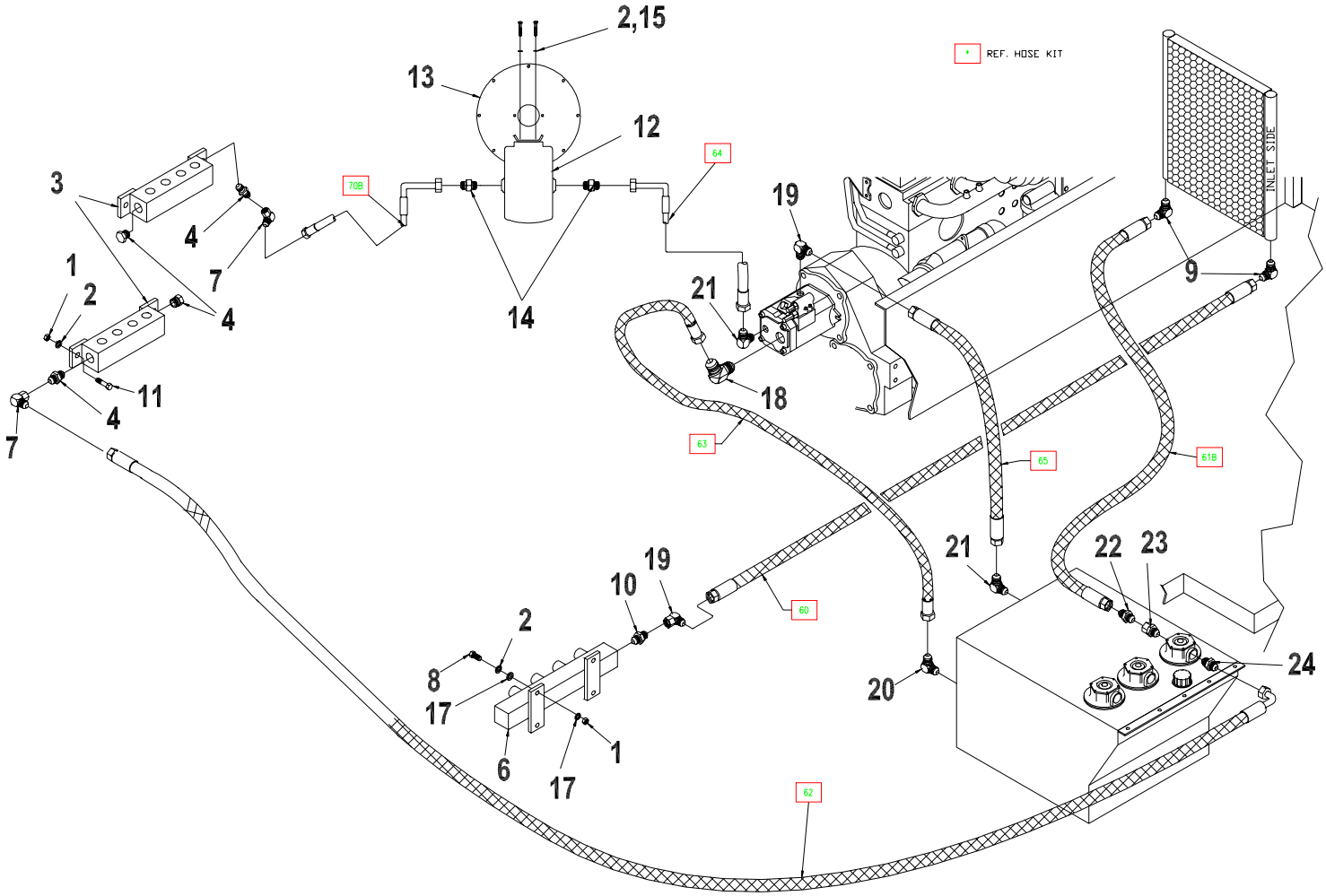
SB-2500C HYDRAULIC TANK ASSEMBLY
(200655-01)



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

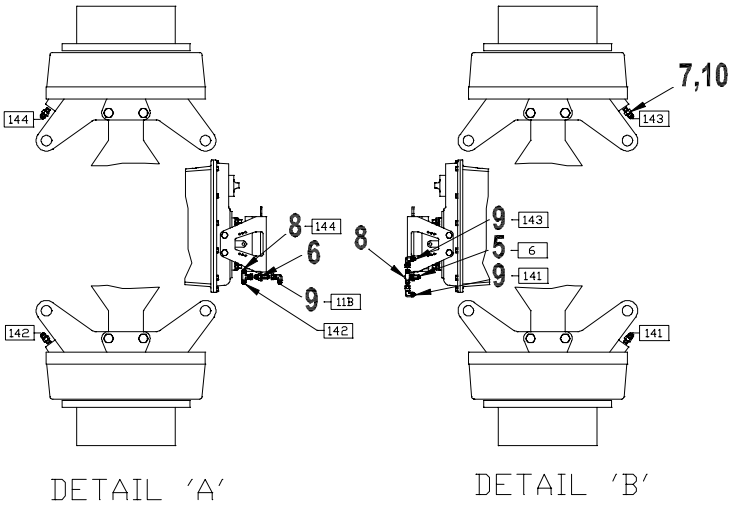
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200204-01	HYDRAULIC TANK	1
2	29G40	FILTER - ELEMENT 10 MICRON	4
3	29G37	FILTER HOUSING - 2 ELEMENT W/ BY-PASS	1
4	29G38	FILTER HOUSING - DOUBLE ELEMENT	2
5	29H27	FILTER - OIL SUMP TYPE 30 GPM	1
6	33019	GAUGE - VACUUM (SUCTION FILTER)	2
7	29E61	GAUGE - PRESSURE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

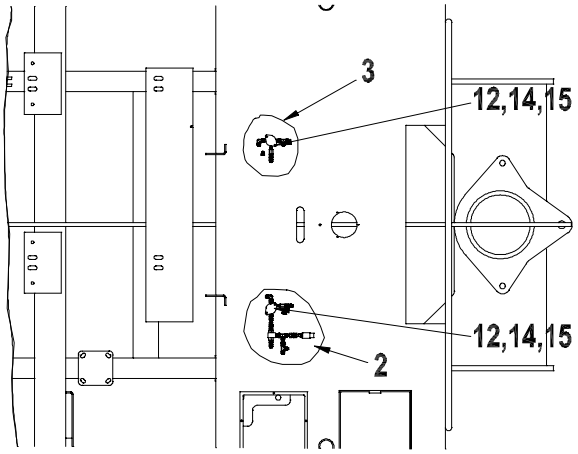
AUXILIARY PUMP & OIL COOLER HYDRAULICS
(200672-01)

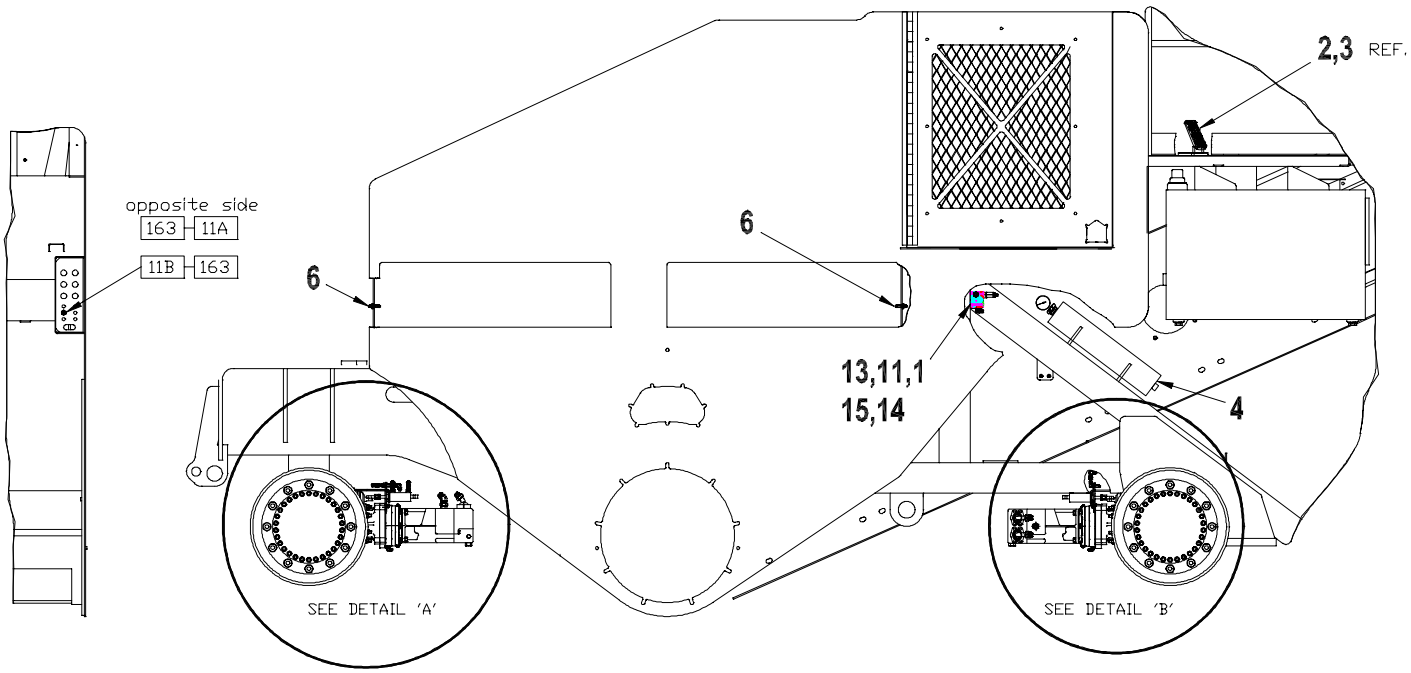


AUXILIARY PUMP & OIL COOLER HYDRAULICS
(200672-01)

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

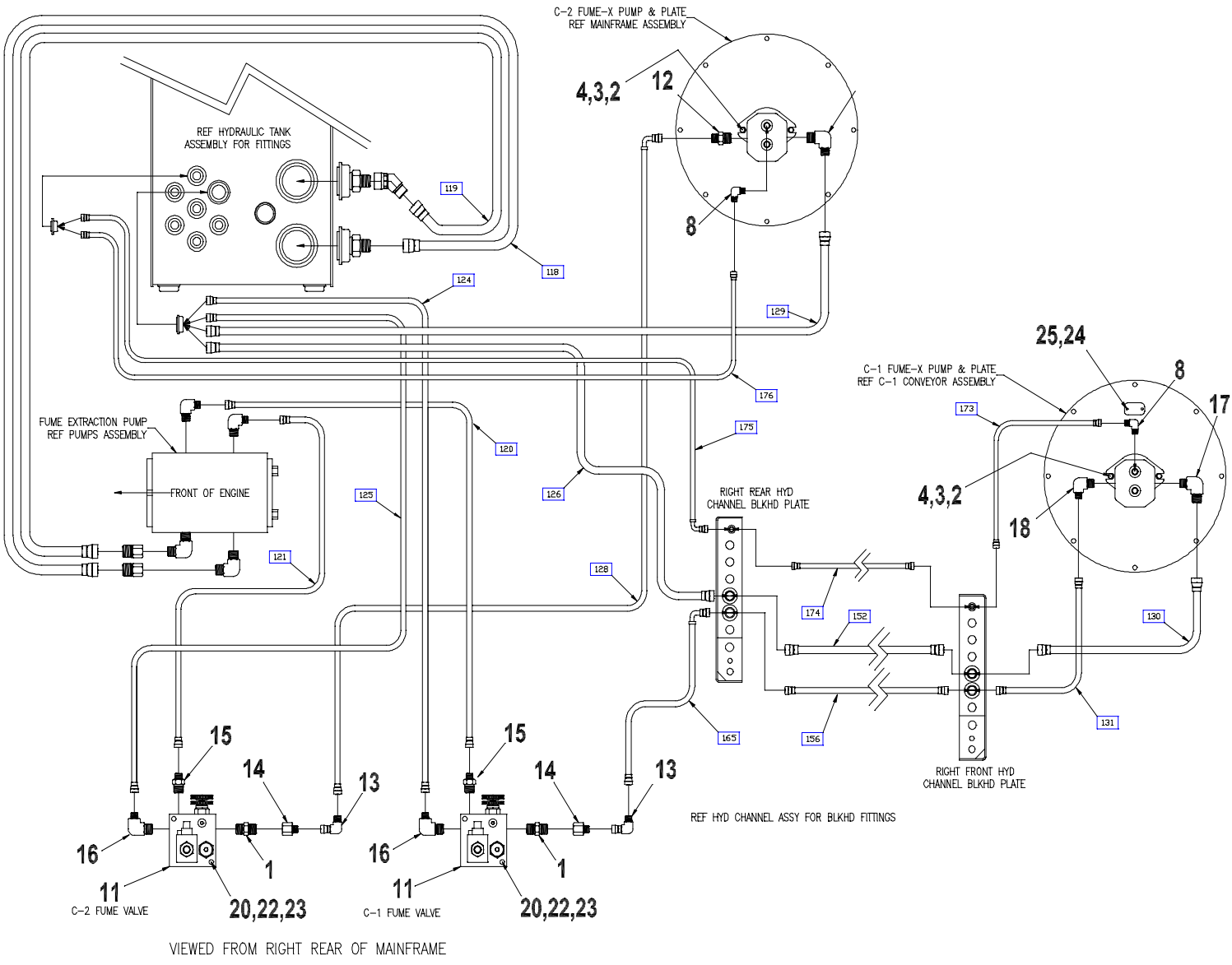

144
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11B
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DETAIL 'A'
DETAIL 'B'


3
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2,3 REF.
opposite side
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11A
11B
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SEE DETAIL 'A'
SEE DETAIL 'B'

BRAKE CIRCUIT HYDRAULICS
(201481-01)

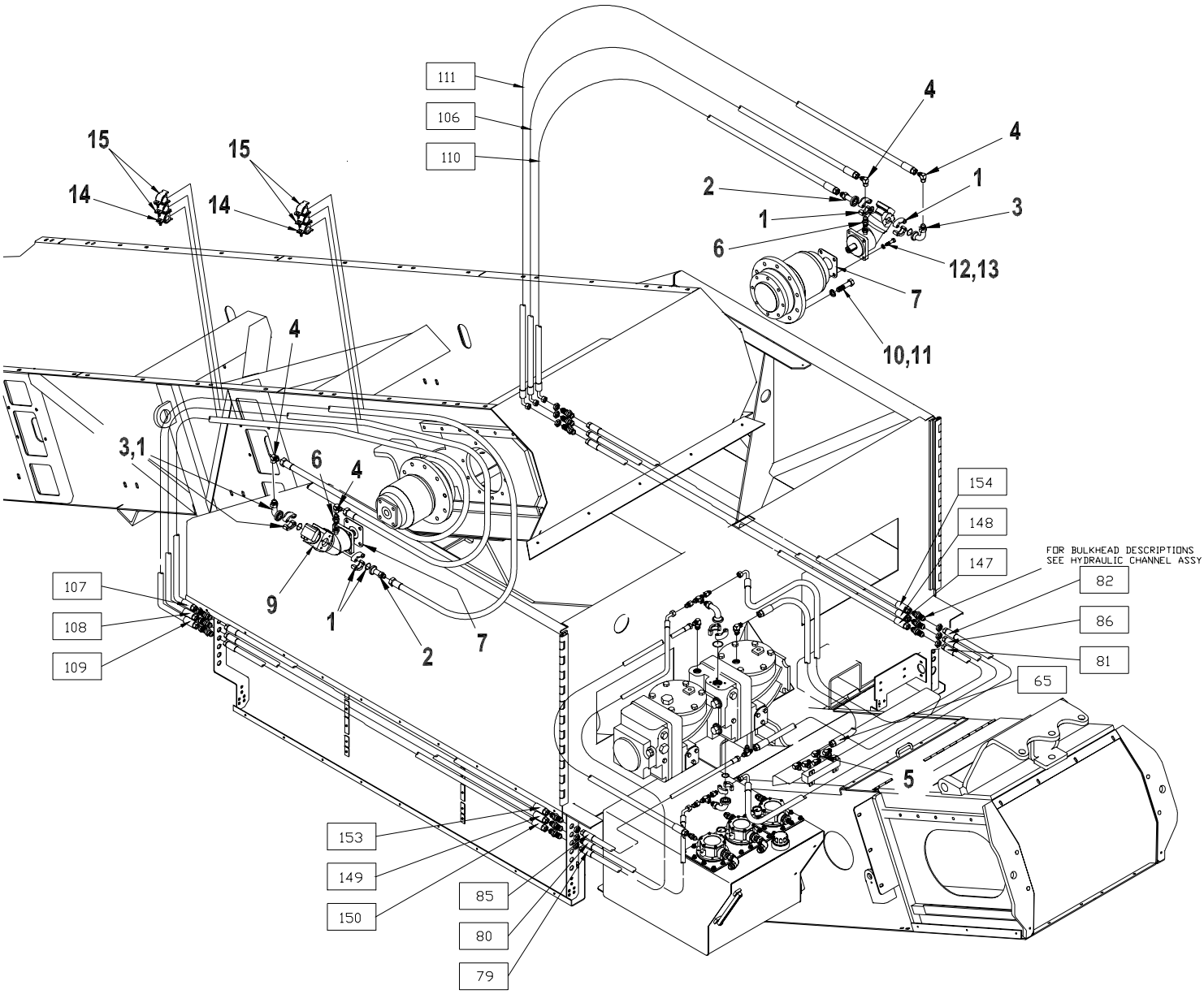
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202724-03	ASSEMBLY - BRAKE MANIFOLD	1
2	202727-03	ASSEMBLY - BRAKE ACTUATOR VALVE (LH)	1
3	202728-03	ASSEMBLY - BRAKE ACTUATOR VALVE (RH)	1
4	202729-03	ASSEMBLY - BRAKE ACCUMULATOR	1
5	85381	6 JIC BULKHEAD 90 DEG.	1
6	83475-04	UNION 6 JIC BULKHEAD STEEL	1
7	130259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

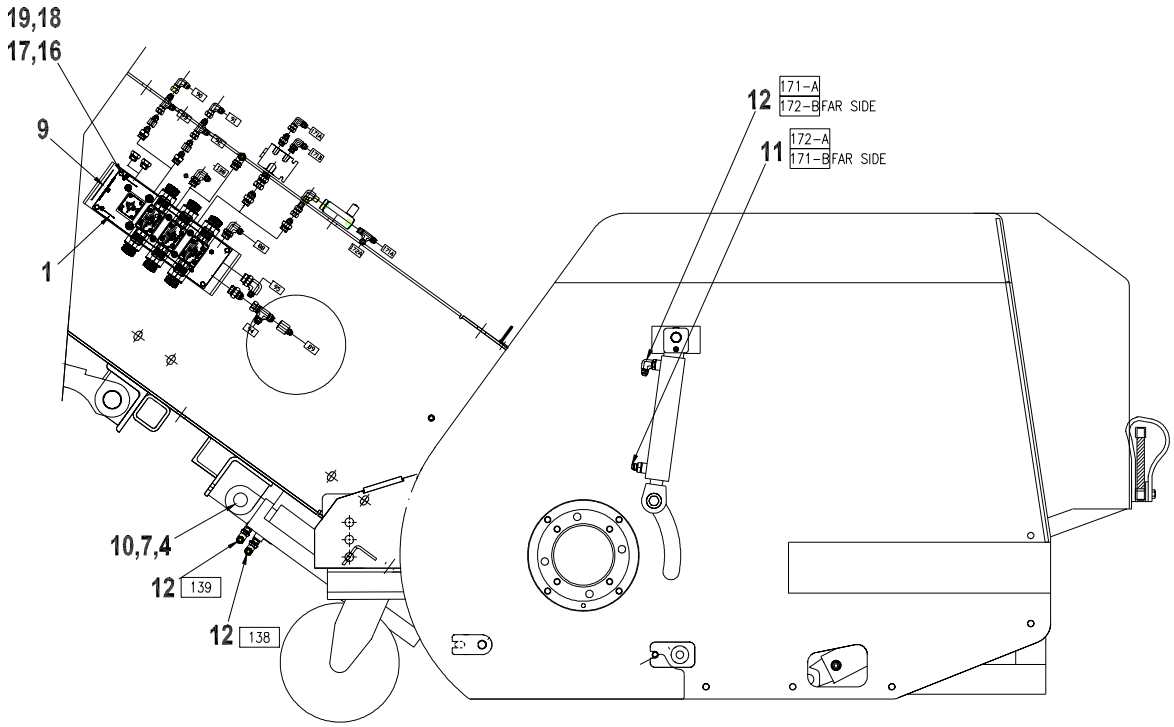
FUME CONTROL HYDRAULICS
(143490-02)

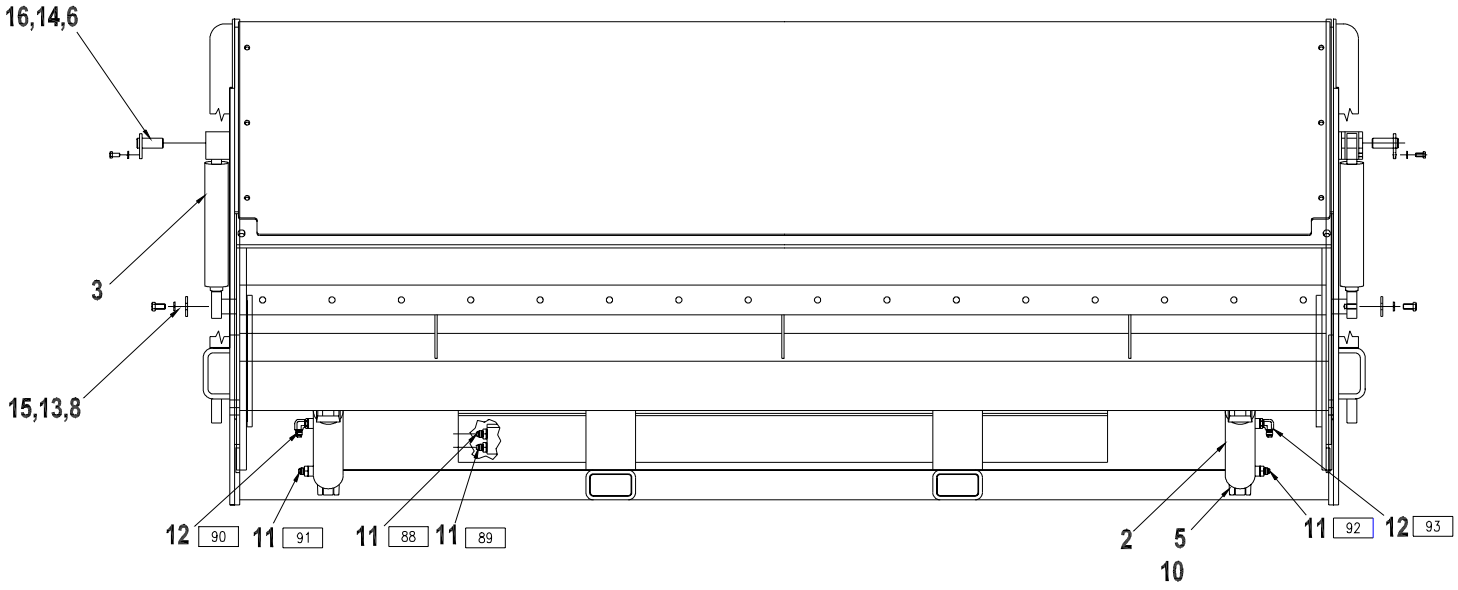
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	142848-04	CHECK VALVE - # 12 100 PSI CRACKING	2
2	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	4
3	83757	FLAT WASHER 3/8"	8
4	93175	NUT, LOCK 3/8 - 16 (SPRING STEEL)	4
8	83734-04	CONNECTOR - 6 JIC X 6 SAE M. 90	2
10	127491	CONNECTOR - 8 JIC X 12 SAE 90	2
11	142284-03	MANIFOLD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


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FOR BULKHEAD DESCRIPTIONS
SEE HYDRAULIC CHANNEL ASSY
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C-1 DRIVE HYDRAULICS
(147397-01)

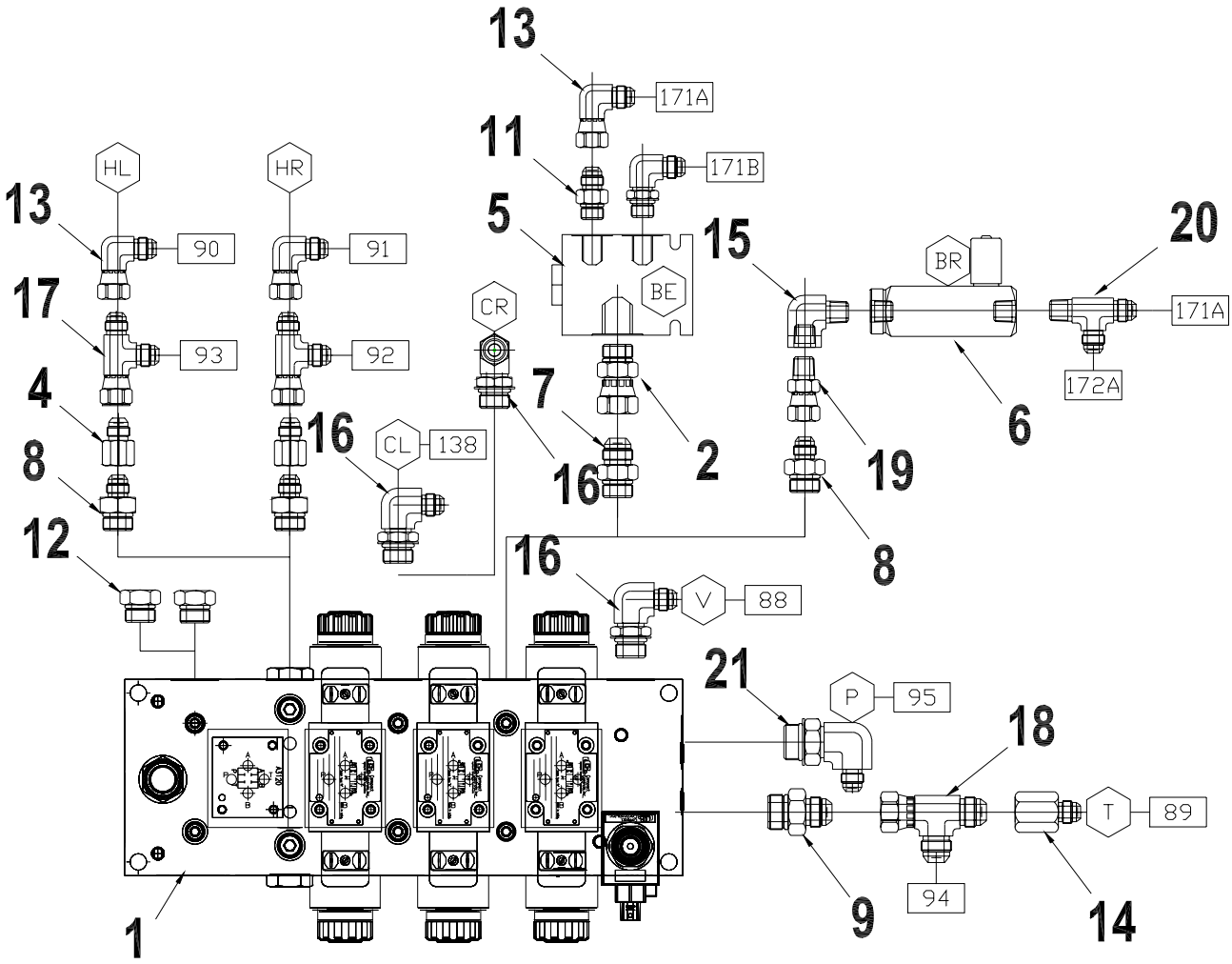
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	90729	16 FLANGE KIT	4
2	97568	FITTING -12 JIC ST X 16 FLANGE (CODE 62)	2
3	83868-04	FITTING - 12 JIC 90 X 16 FLANGE (CODE 62)	2
4	83764-04	CONNECTOR - 12 JIC M. X 12 JIC F. SWIVEL 90	4
5	85490-04	CONNECTOR - 12 JIC X 3/4' NPT 90	1
6	83458-04	CONNECTOR - 8 SAE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

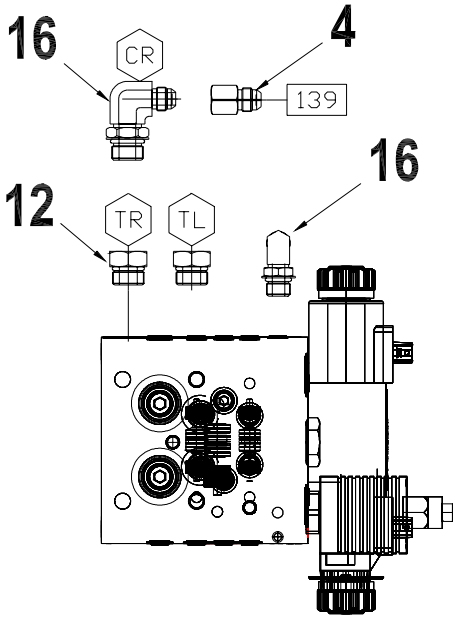

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12 138
12 171-A 172-B FAR SIDE
11 172-A 171-B FAR SIDE


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C-1 DUMP HOPPER HYDRAULICS
(200789-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202174-02	C1 HOPPER CONTROLS MAINFOLD ASSEMBLY	1
2	93833-02	CYL - 4.00 BORE X 8.00 STROKE	2
3	147954-03	CYL - 2.00 BORE X 7.00 STROKE	2
4	149425-01	CYL MODIFICATION - C1 CLEANOUT	1
5	149441-03	DUMP HOPPER CYLINDER	2
6	148057-03	C1 BAFFLE CYLINDER	2
7	149429-03	C1 CLEANOUT DOOR	2
8	147993-03	RETAINER PLATE	2
9	200395-03	MANIFOLD END CAP PLATE	1
10	70741	PIN - 3/16 X 2 1/2 COTTER	3
11	83469-04	FITTING - 6 JIC - 8 SAE ST MALE	6
12	84426-04	FITTING - 6 JIC - 8 SAE 90 MALE	6
13	93144	HEX BOLT - 1/2-13 X 1 1/2 GR8	2
14	86127-04	HEX BOLT - 3/8-16 X 3/4 GR8	2
15	83317	LOCKWASHER - 1/2 SPRING STEEL	5
16	83056	LOCKWASHER - 3/8 SPRING STEEL	5
17	26L52	BOLT, HEX 3/8 - 16 X 6" GD. 8	3
18	83055	NUT, HEX 3/8 - 16 UNC GD. 8	3
19	83757	FLAT WASHER 3/8" STEEL	2





0 - ITEM

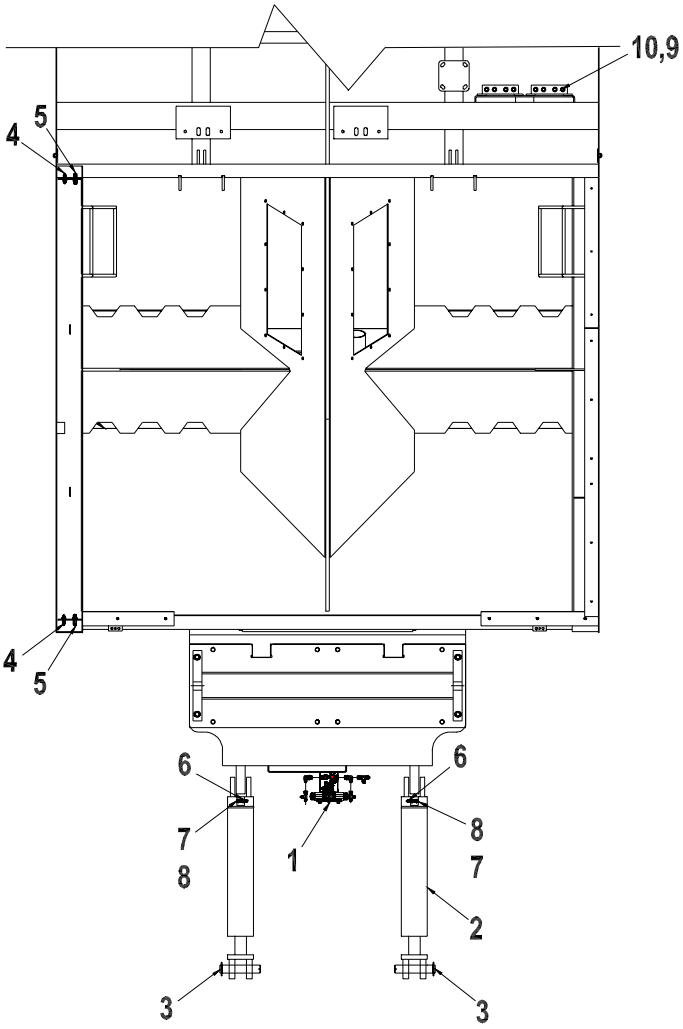
XXX - HOSE NUMBER

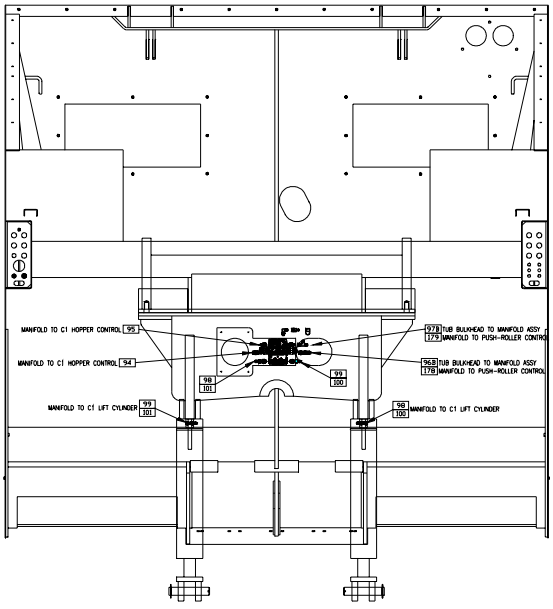
XX - MANIFOLD PORT

C-1 HOPPER CONTROL MANIFOLD
(202174-02)

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

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

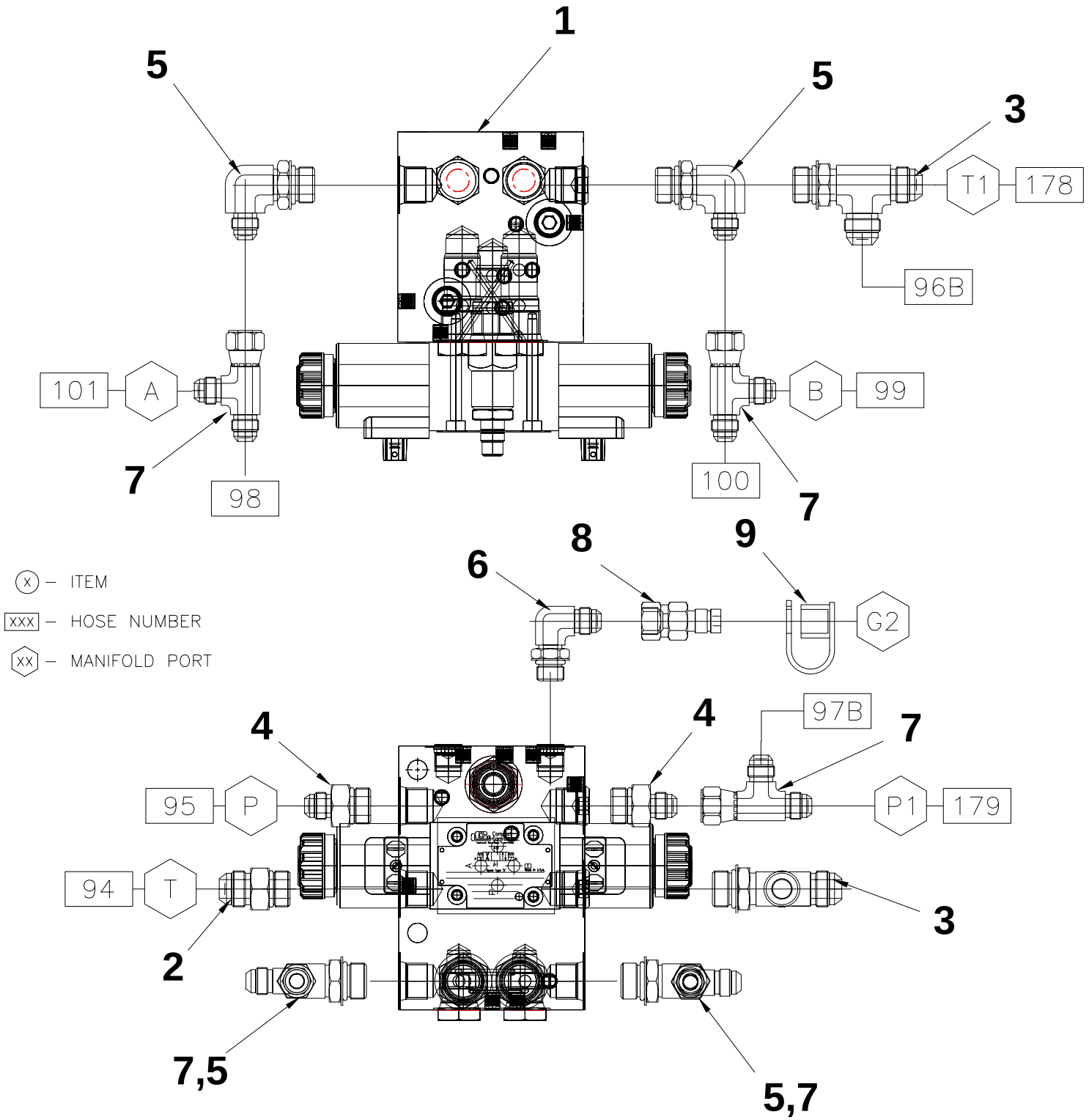




C-1 RAISE / LOWER HYDRAULICS
(201371-01)

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

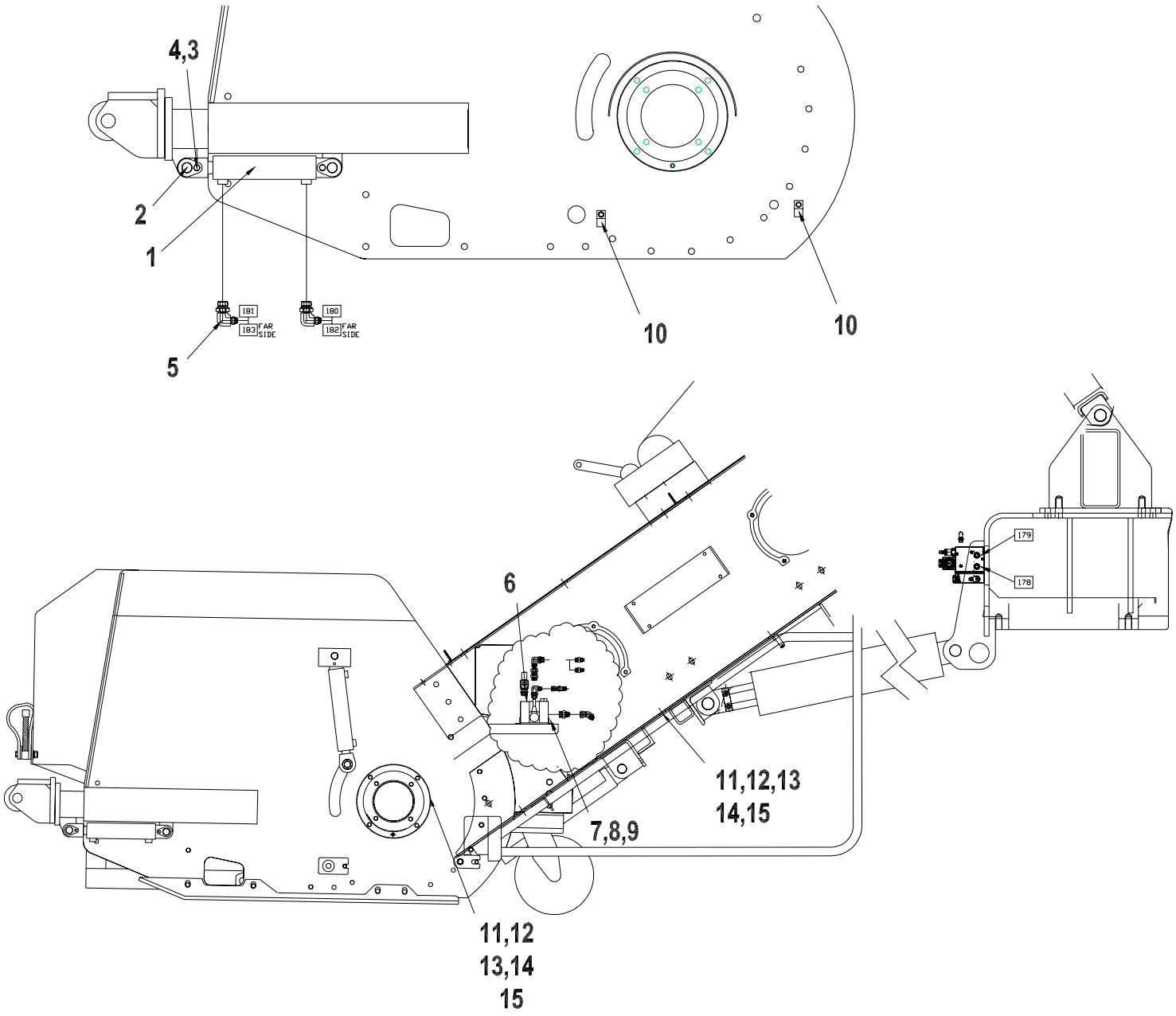
C-1 RAISE / LOWER MANIFOLD
(202137-02)



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

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

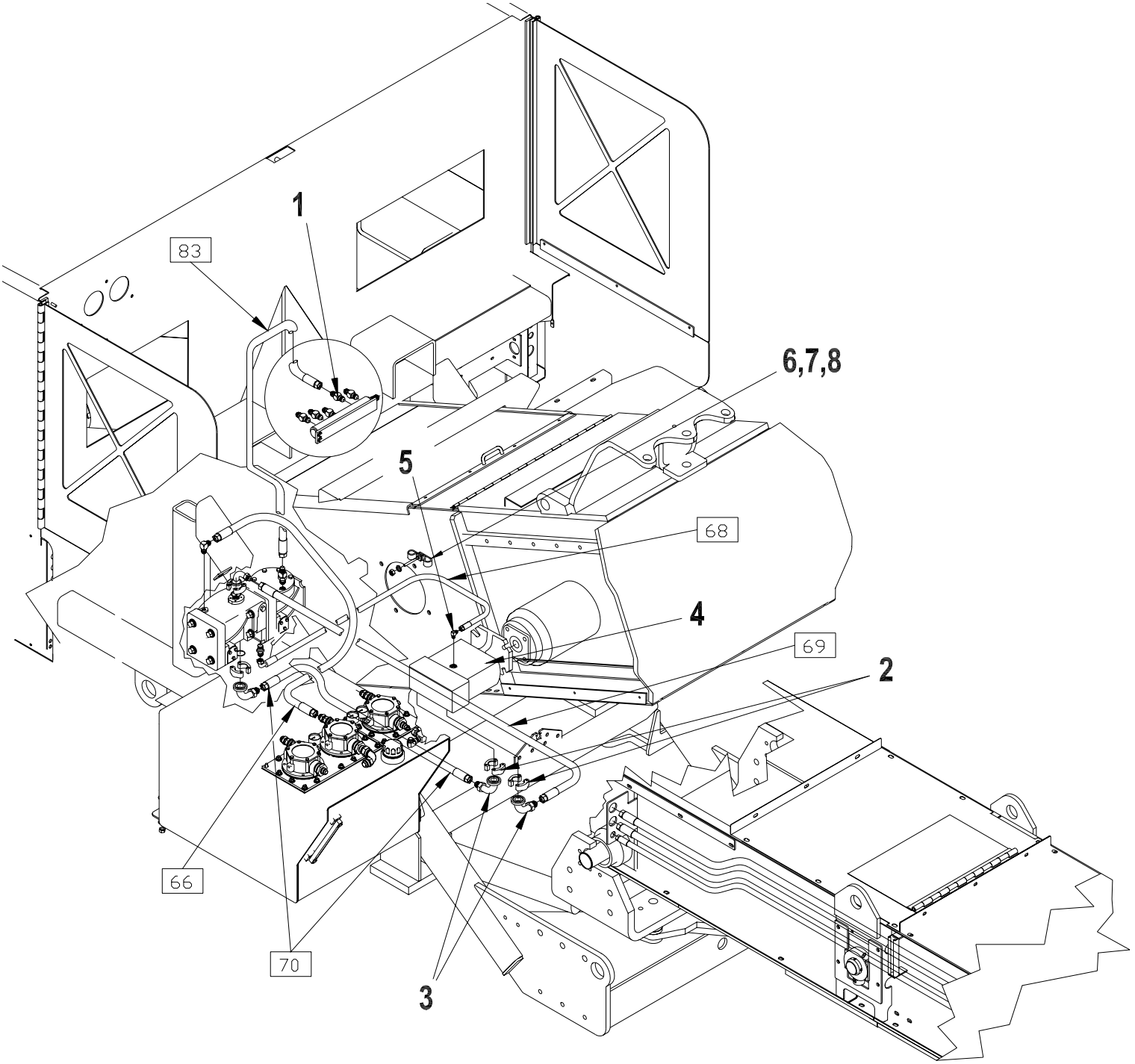
PUSH ROLLER HYDRAULICS
(200792-01)



PUSH ROLLER HYDRAULICS
(200792-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2	148083-03	PIN - PUSH ROLLER CYLINDER	4
3	86127-04	BOLT, HEX 3/8 - 16 X 3/4"	4
4	83056	LOCKWASHER 3/8" SPRING STEEL	4
5	84426-04	FITTING - 8 SAE X 6 JIC 90 M. ELBOW	4
6	202820-02	FITTING - 6 JIC SWIVEL RUN TEE	1
7	89988-04	BOLT, HEX 1/4 - 20 UNC X 3/4"	4
8	83065	LOCKWASHER 1/4" ID NOM. SPRING STEEL	4
9	89772	NUT, HEX 1/4 - 20 UNC	4
10	16P29	CLAMPS - 1/2" BOLT SIZE	4
11	147412-04	CLAMPS - 1 9/16" HOSE X 3/8" BOLT	5
12	89773	BOLT, HEX 1/4 - 20 UNC X 1"	5
13	84444	FLAT WASHER 1/4" STEEL	10
14	83065	LOCKWASHER 1/4" ID NOM. SPRING STEEL	5
15	89772	NUT, HEX 3/8 - 16 UNC	5

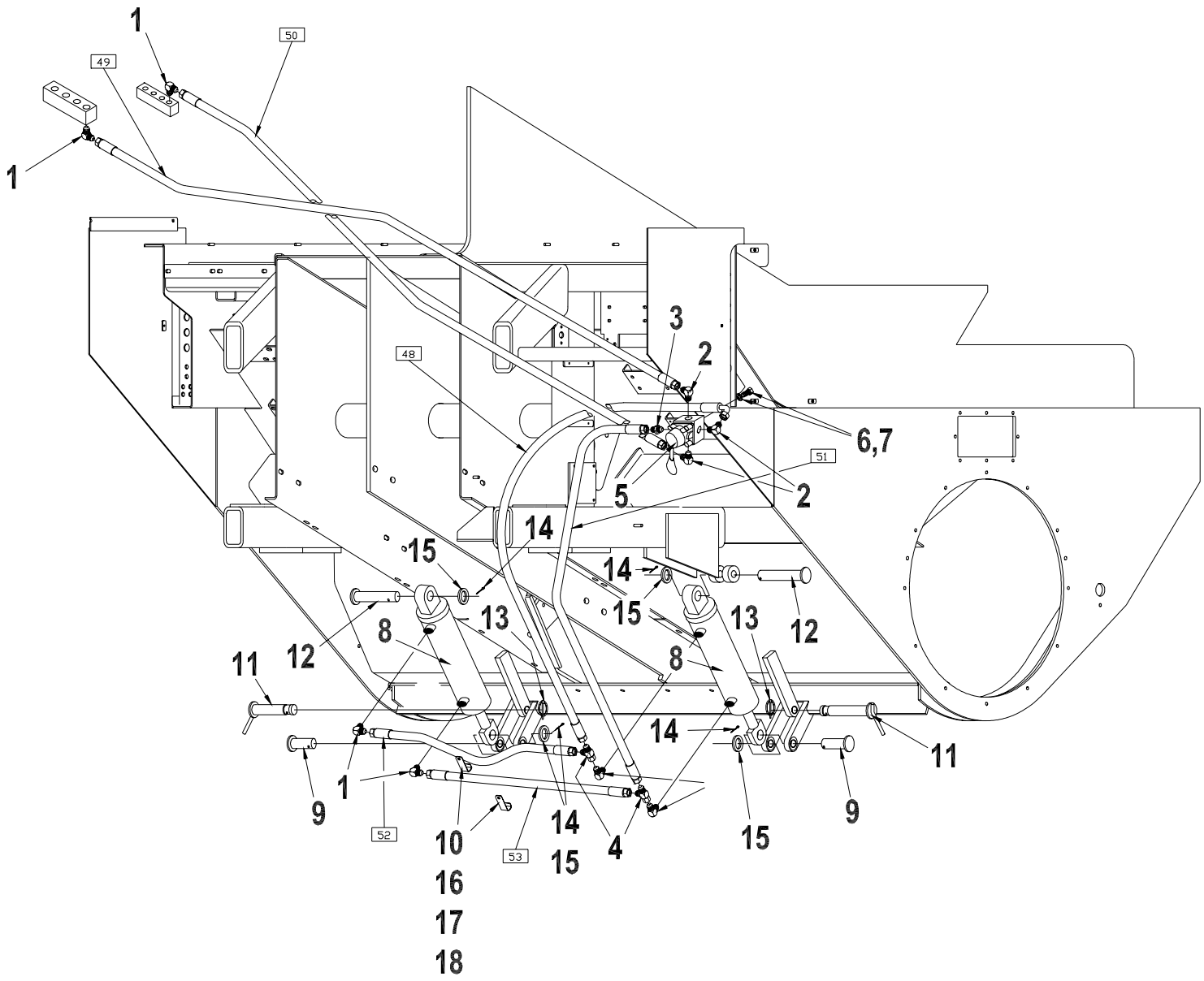
C-2 DRIVE HYDRAULICS
(149543-01)



C-2 DRIVE HYDRAULICS
(149543-01)

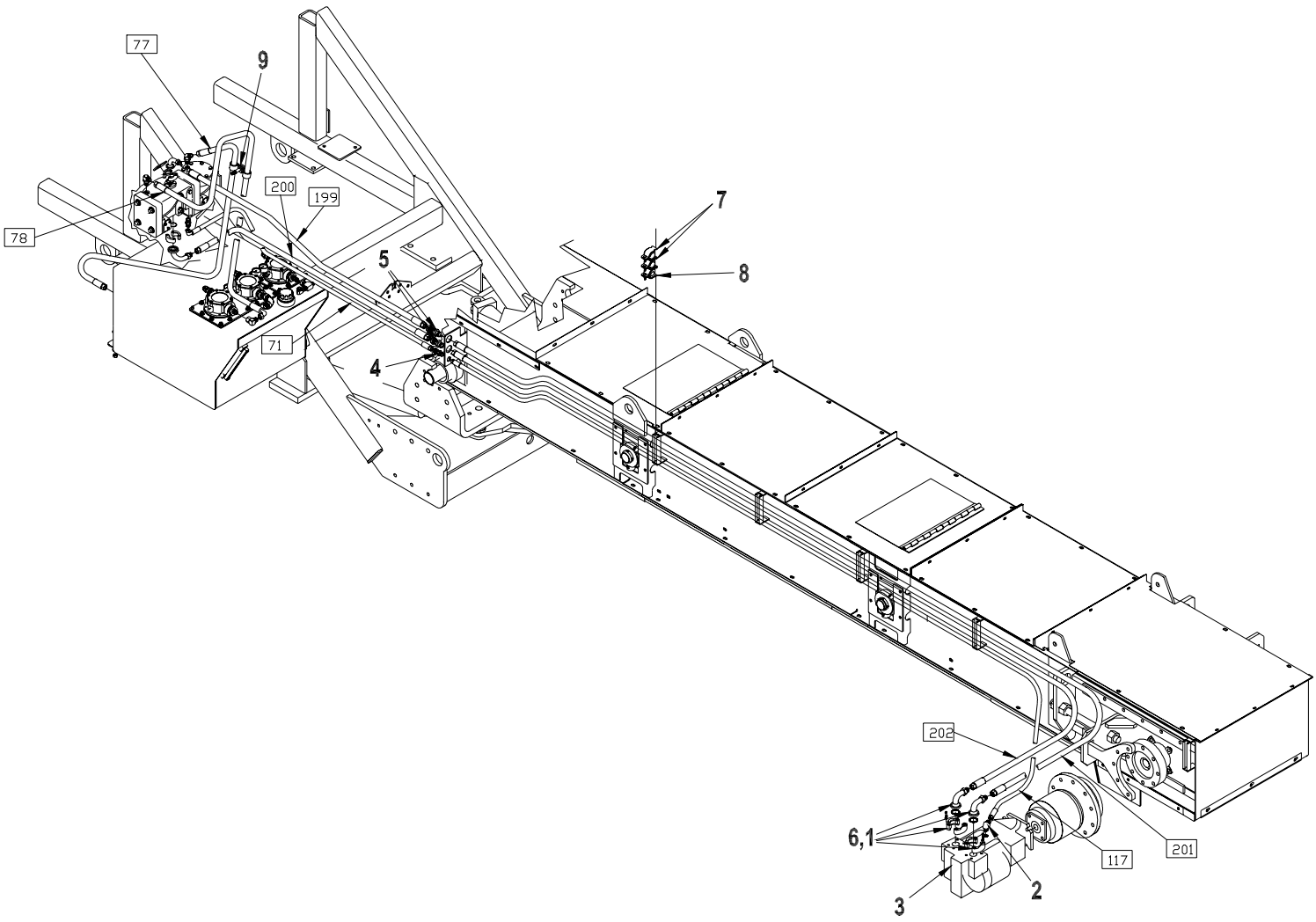
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	85490-04	CONNECTOR - 12 JIC X 3/4" NPT 90	1
2	96765	# 20 FLANGE KIT CODE 62	2
3	99945	# 20 FLANGE 45 X 20 JIC CODE 62	2
4	149224-04	MOTOR - 130 cc ORIFACE LOOP FLUSH	1
5	85875-04	16 SAE M. X 12 JIC M. 90 ELBOW	1
6	99965	CLAMP - 2" RUBBERIZED TUBE	2
7	83055	NUT,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

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



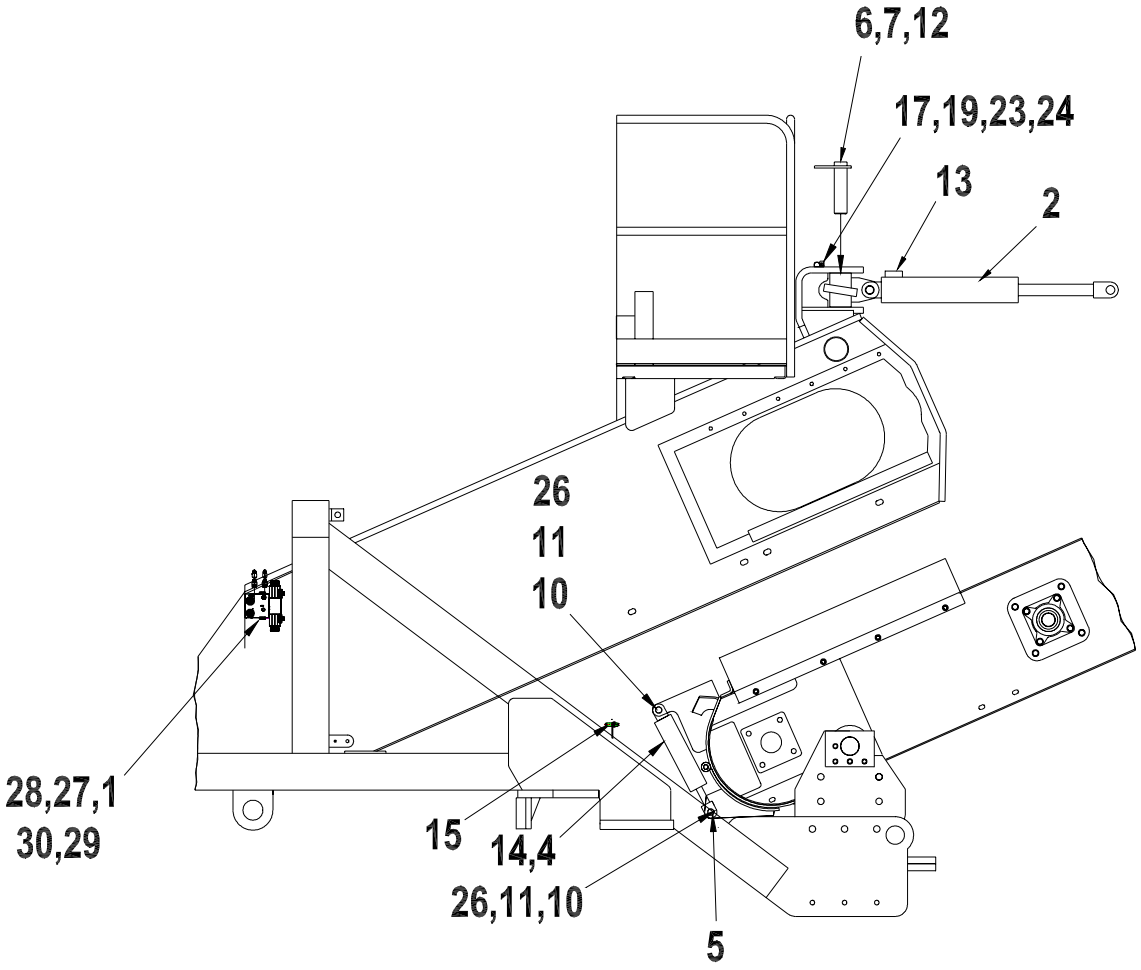
C-2 CLEAN-OUT DOOR HYDRAULICS
(149422-01)

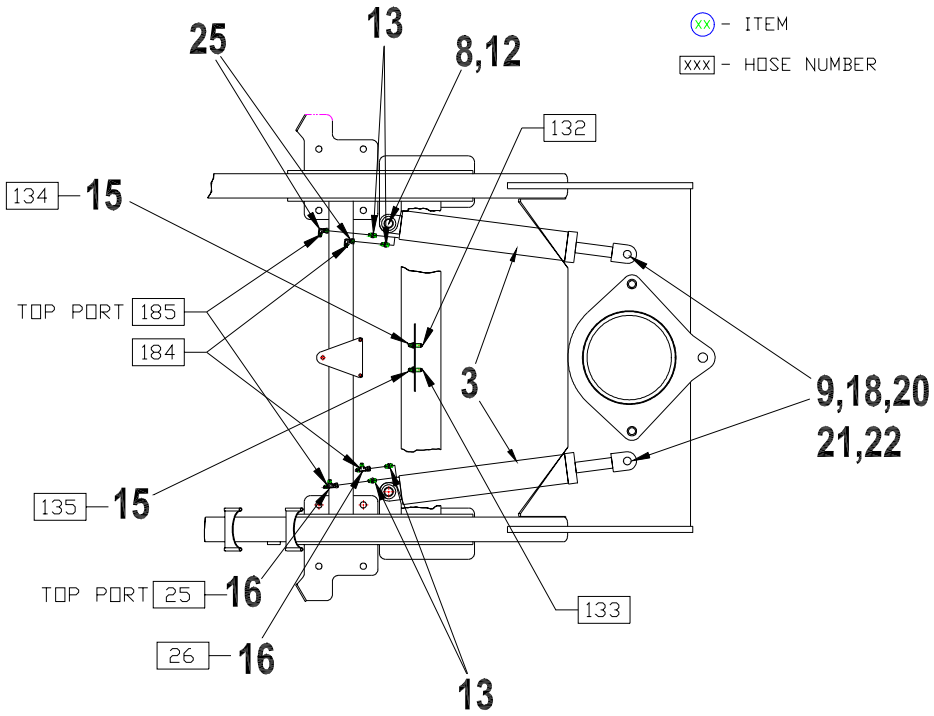
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	84426-04	6 JIC X 8 SAE M. 90 ELBOW	6
2	83734-04	6 JIC X 6 SAE 90 ELBOW	3
3	83735-04	CONNECTOR - 6 JIC X 6 SAE	1
4	84636-04	6 JIC SWIVEL RUN TEE	2
5	134239-04	VALVE - MANUAL CONTROL	1
6	89297	BOLT, HEX 5/16 - 18 UNC X 1"	4
7	87328-04	LOCKWASHER 5/16" NOM. I.D.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


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C-3 DRIVE HYDRAULICS
(145972-01)

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

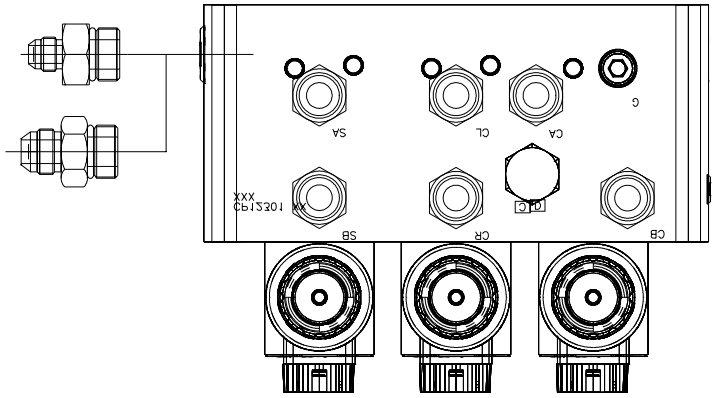

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17,19,23,24
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28,27,1
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14,4
26,11,10
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XX - ITEM
XXX - HOSE NUMBER
25
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8,12
132
134
15
TOP PORT 185
184
3
9,18,20
21,22
135
15
TOP PORT 25
16
26
16
133
13

C-3 CONTROL HYDRAULICS
(200806-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	202240-02	C3 CONTROL MANIFOLD VALVE	1
2	144900-01	CYL.- 5.00 BORE X 26.00 STROKE	1
3	144901-01	CYL.- 4.00 BORE X 21.00 STROKE	2
4	144899-01	CYL.- 2.00 BORE X 4.50 STROKE	1
5	83439-04	1 1/4" FEMALE ROD END, RH THREAD	1
6	149121-04	C-3 LIFT CYL. MODIFIED BOLT	2
7	129923	HEX NUT - 1 1/4-12 SLOTTED CASTLE	2
8	129578-04	C-3 SWING CYLINDER PIN (FRONT)	2
9	149430-03	C-3 SWING CYLINDER PIN (REAR)	2
10	149431-03	C-3 CLEAN-OUT DOOR PIN	2
11	144993-04	3/16" LYNCH PIN	2
12	70741	3/16 X 2 1/2 COTTER PIN	4
13	83735-04	6 JIC X 6 SAE MALE ADAPTOR	6
14	84426-04	ELBOW - 90‘ - 6 JIC - 8 SAE MALE	3
15	83475-04	BULKHEAD UNION ST. - 6 JIC	2
16	84636-04	6 JIC SW RUN TEE	2
17	20K35	5/8 DIA. X 1/2" X 1/4" HOLE CLAMP	2
18	93121	HEX BOLT - 1/2-13 X 2 1/2 GR8	2
19	89773	HEX BOLT - 1/4-20 X 1 GR8	1
20	83288	HEX NUT - 1/2-13 GR8	2
21	83871-04	FLAT WASHER - 1/2 STEEL	2
22	83317	LOCKWASHER - 1/2 SPRING STEEL	2
23	84444	FLAT WASHER - 1/4 STEEL	1
24	83065	LOCKWASHER - 1/4 SPRING STEEL	1
25	83953-04	FITTING - 6 JIC 90 FM. SWIV ELBOW	2
26	83133	FLAT WASHER 3/4" STEEL	2
27	20N62	BOLT, HEX 3/8 - 16 X 5"	2
28	83056	LOCKWASHER 3/8" SPRING STEEL	2
29	83757	FLAT WASHER 3/8" STEEL	2
30	83055	NUT, HEX 3/8 - 16 UNC GD. 8	2

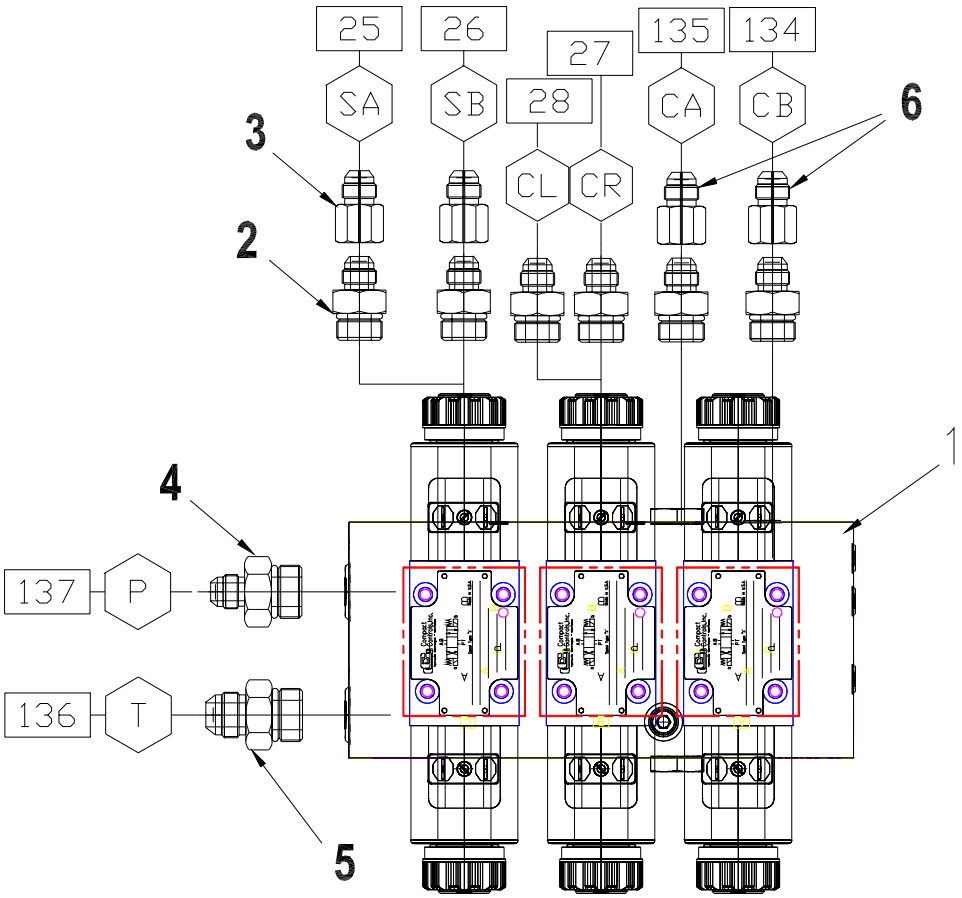
C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)

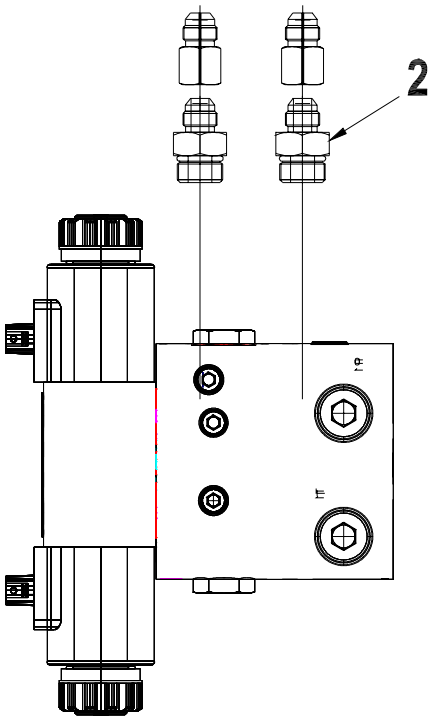


XX – ITEM

XXX – HOSE NUMBER

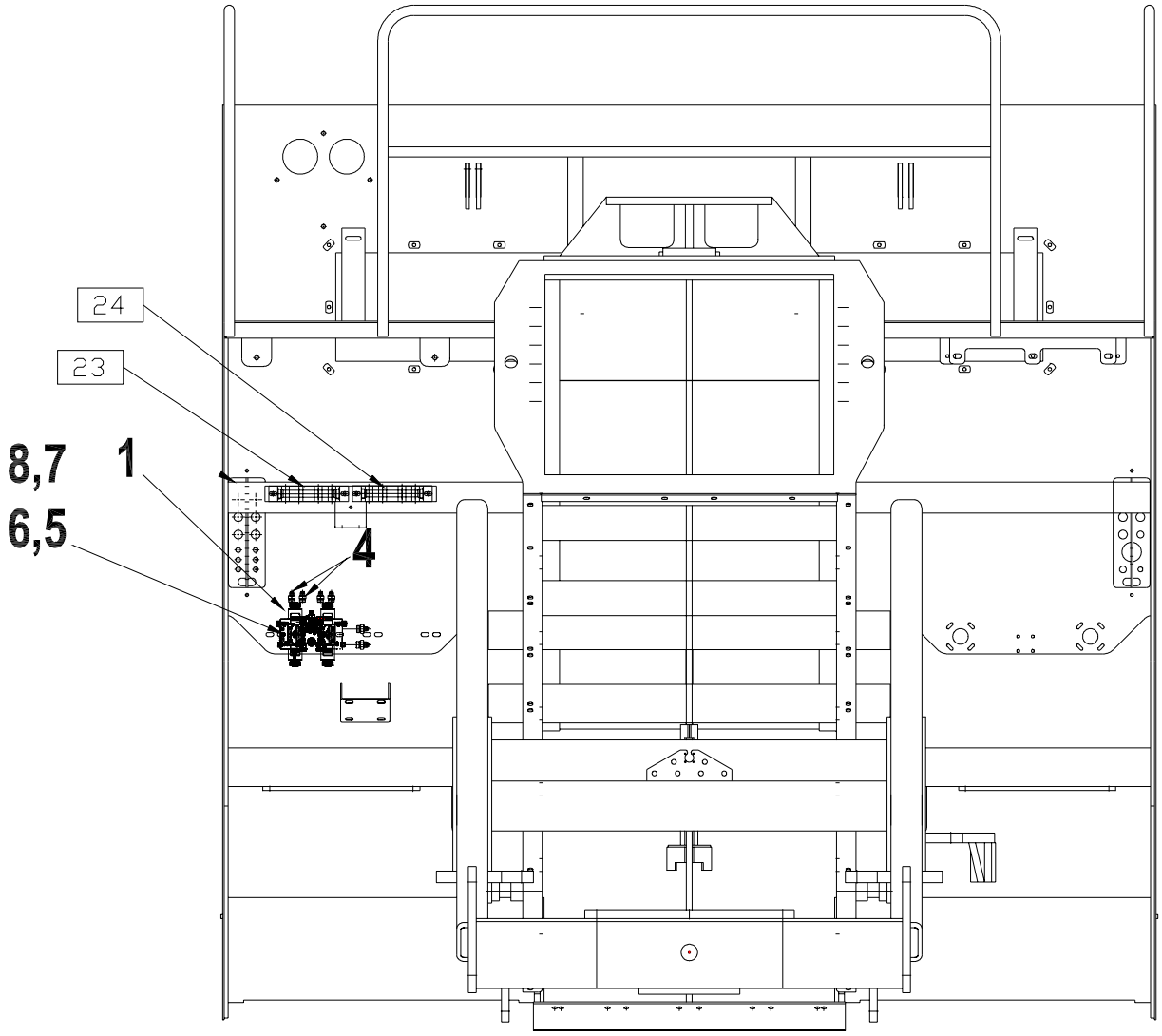
XX – MANIFOLD PORT

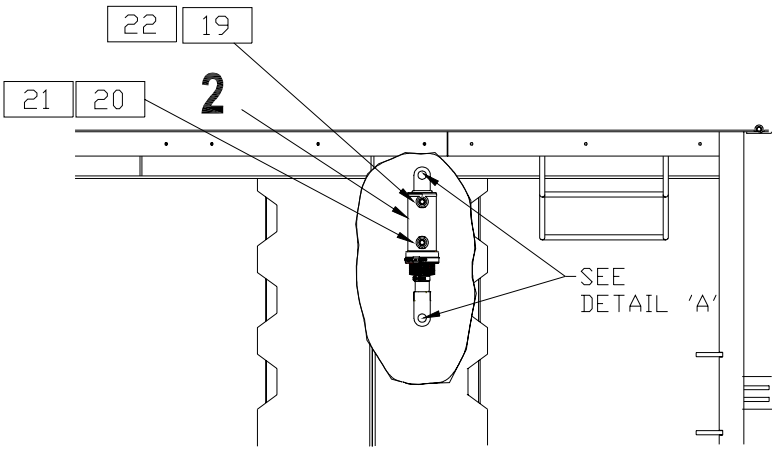




C-3 CONTROL MANIFOLD ASSEMBLY
(202240-02)

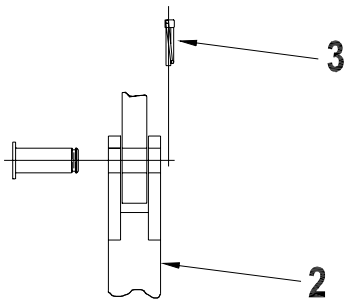
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146253-03	VALVE - C3 CONTROL MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	6
3	136649-04	RESTRICTOR - 3/32" ORIFICE	2
4	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
5	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1
6	135942-04	RESTRICTOR - 1/64" ORIFICE	2





(X) - ITEM

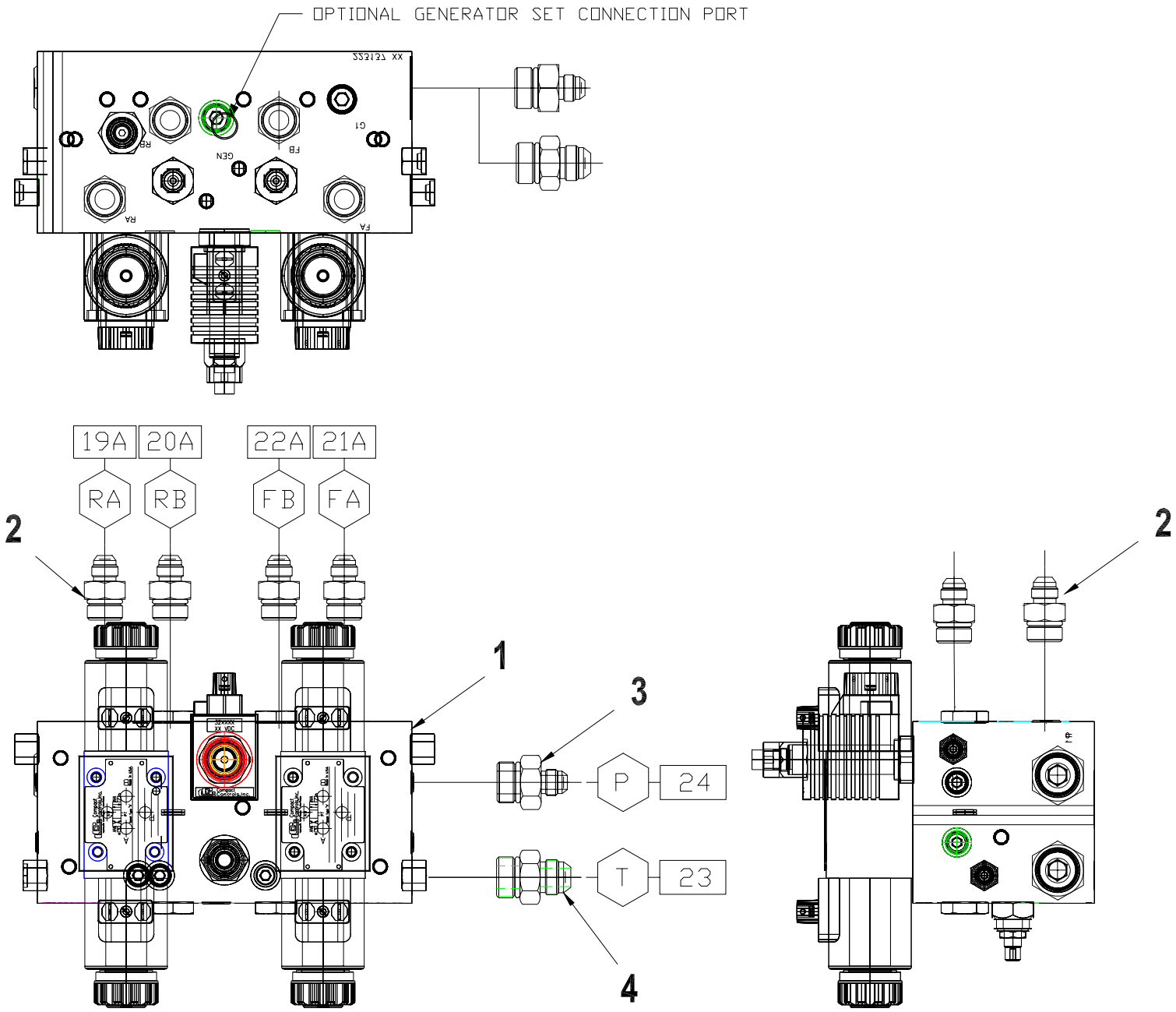
XXX - HOSE NUMBER



DETAIL 'A'
(4× SCALE)

FLOWGATE HYDRAULICS
(200774-01)

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

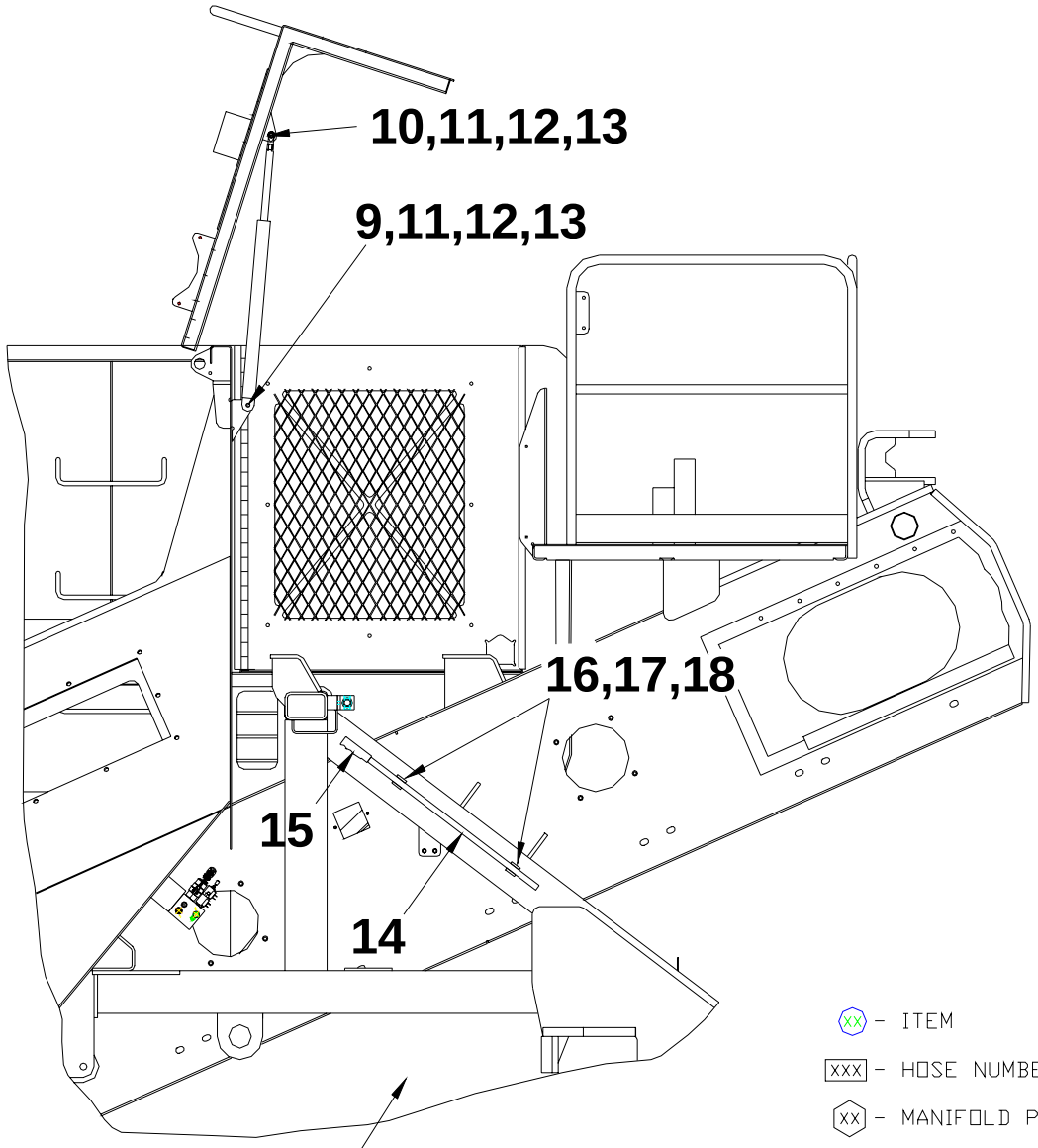

OPTIONAL GENERATOR SET CONNECTION PORT
19A
20A
22A
21A
RA
RB
FB
FA
2
1
3
P
24
T
23
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2

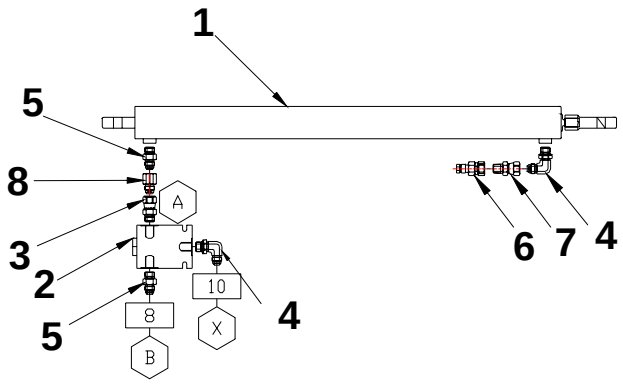
FLOWGATE CONTROL MANIFOLD ASSEMBLY
(202277-02)

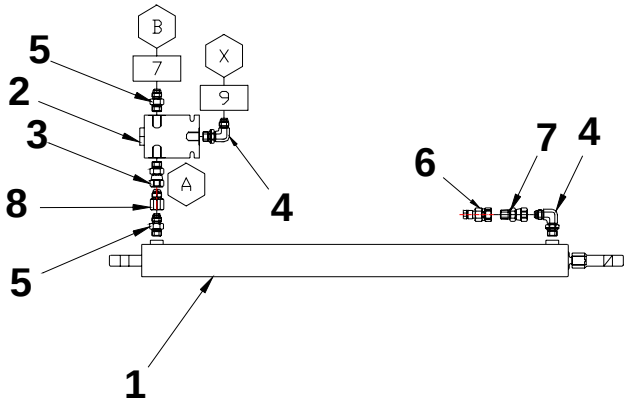
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146252-03	VALVE - FLOWGATE CNTL. MANIFOLD	1
2	83469-04	CONNECTOR - 6 JIC X 8 SAE M.	4
3	133995-04	CONNECTOR - 6 JIC X 10 SAE M.	1
4	83704-04	CONNECTOR - 8 JIC X 10 SAE M.	1

HOOD RAISE HYDRAULICS

(200775-01)

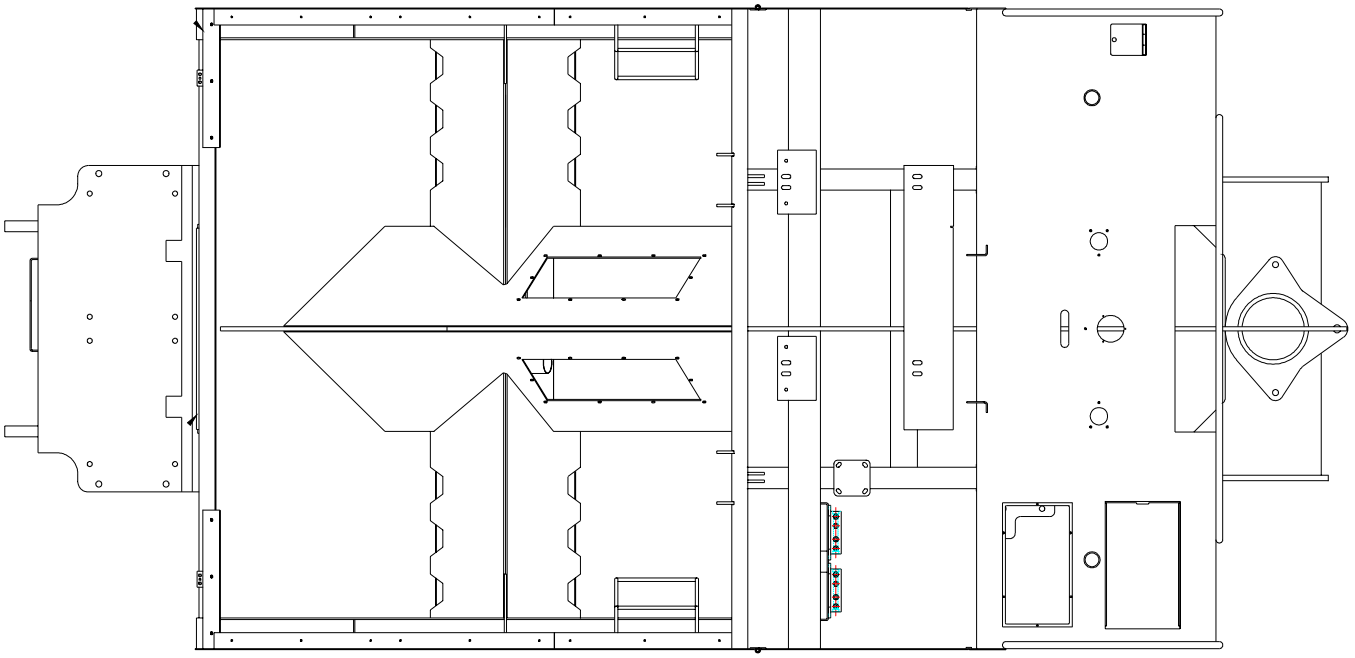


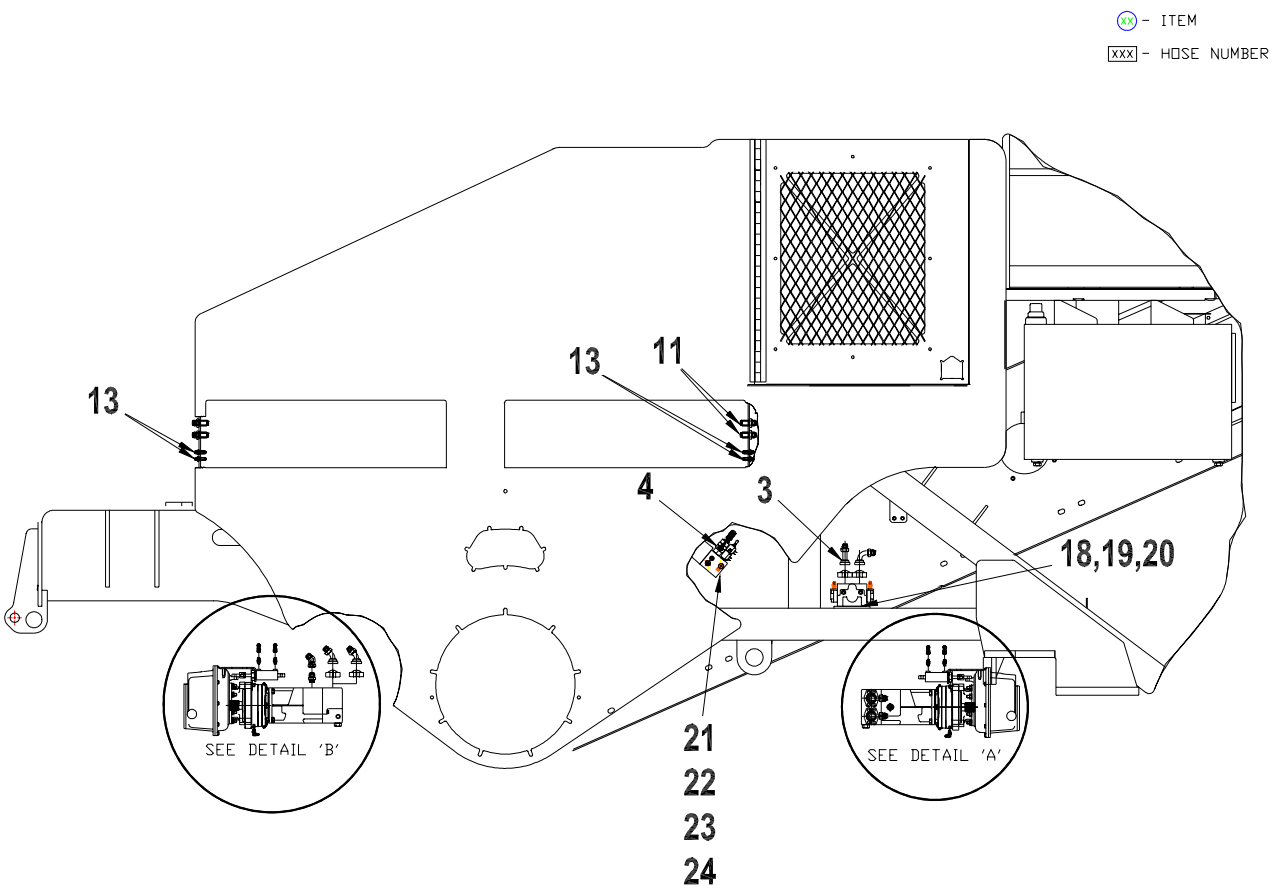


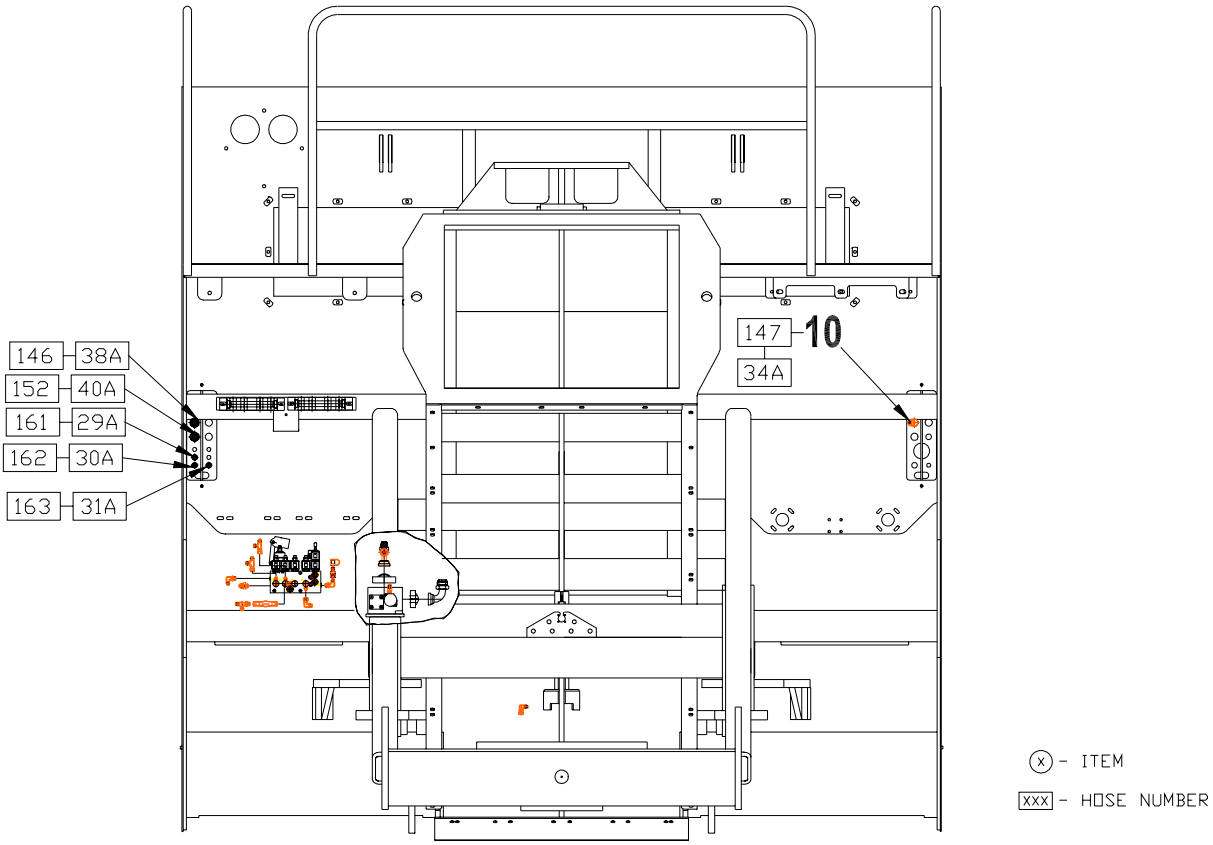


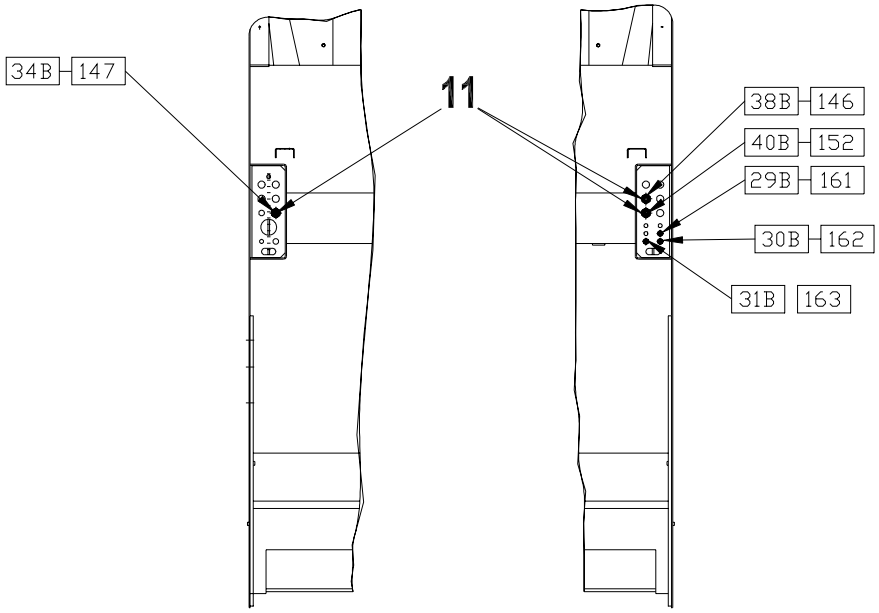
HOOD RAISE HYDRAULICS
(200775-01)

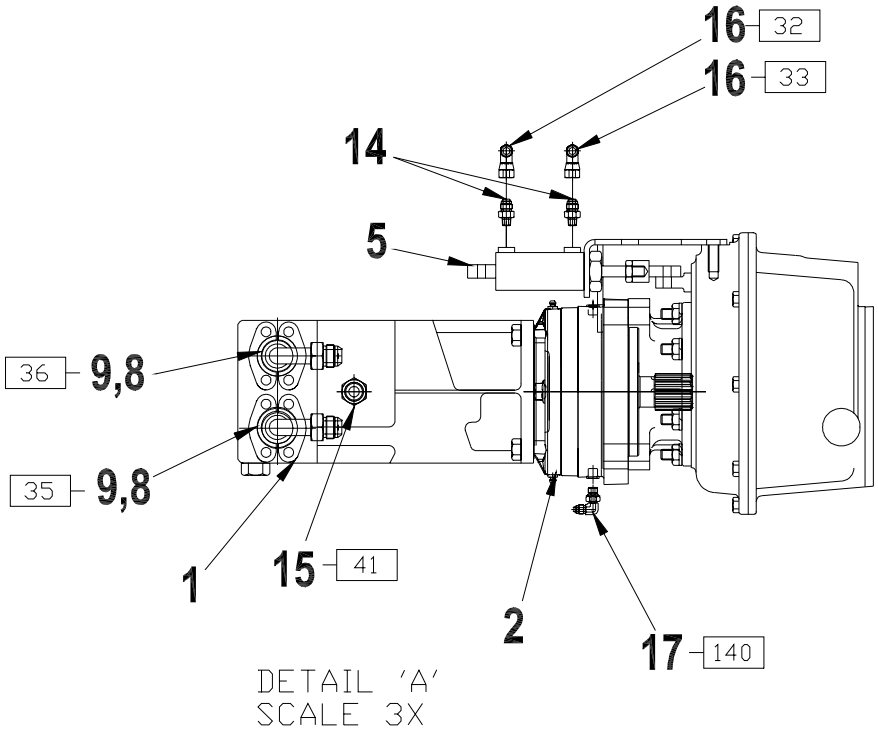
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146490-03	CYLINDER MODIFICATION - HOOD RAISE	2
2	200591	HOLDING VALVE- P.O. CHECK	2
3	135923-04	FITTING - 6 JIC X 6 SAE SWIVEL ST CONNECTOR	2
4	83734-04	FITTING - 6 JIC X 6 SAE MALE 90 CONNECTOR	4
5	83735-04	FITTING - 6 JIC X 6 SAE ST	4
6	89577-04	VENT CAP 1/4" NPT	2
7	86622-04	FITTING - 1/4 NPT M. X 6 JIC FM. SWIVEL	2
8	202552-04	RESTRICTOR - 6 JIC X .0292 ORIFACE	2
9	96653	BOLT, HEX 1/2 - 13 X 2 3/4"	2
10	90874	BOLT, HEX 1/2 - 13 X 3 1/2"	2
11	139741-04	NUT, CENTER LOCK 1/2 - 13 GD. 8	4
12	83317	LOCKWASHER 1/2' SPRING STEEL	4
13	83781-04	FLAT WASHER 1/2" STEEL	8
14	201315-03	HAND PUMP HANDLE	1
15	201253-04	RD. VINYL GRIP	1
16	98296-C1	CLIP KIT	2
17	83114	BOLT, HEX 1/4 - 20 X 1/2"	2
18	83065	LOCKWASHER 1/4" SPRING STEEL	2



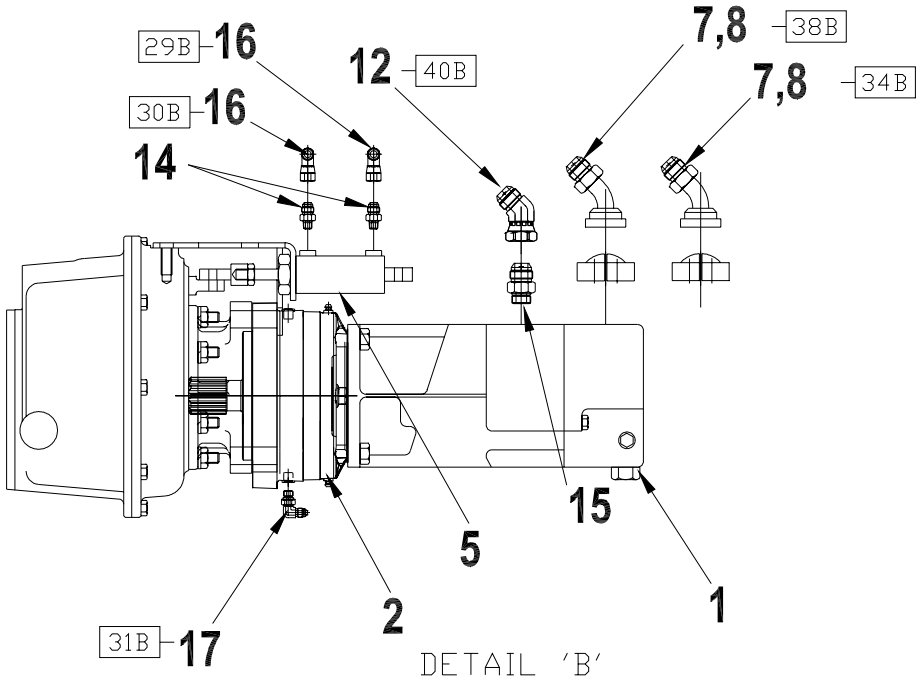

XX - ITEM
XXX - HOSE NUMBER
13
13
11
4
3
18,19,20
SEE DETAIL 'B'
SEE DETAIL 'A'
21
22
23
24


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


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



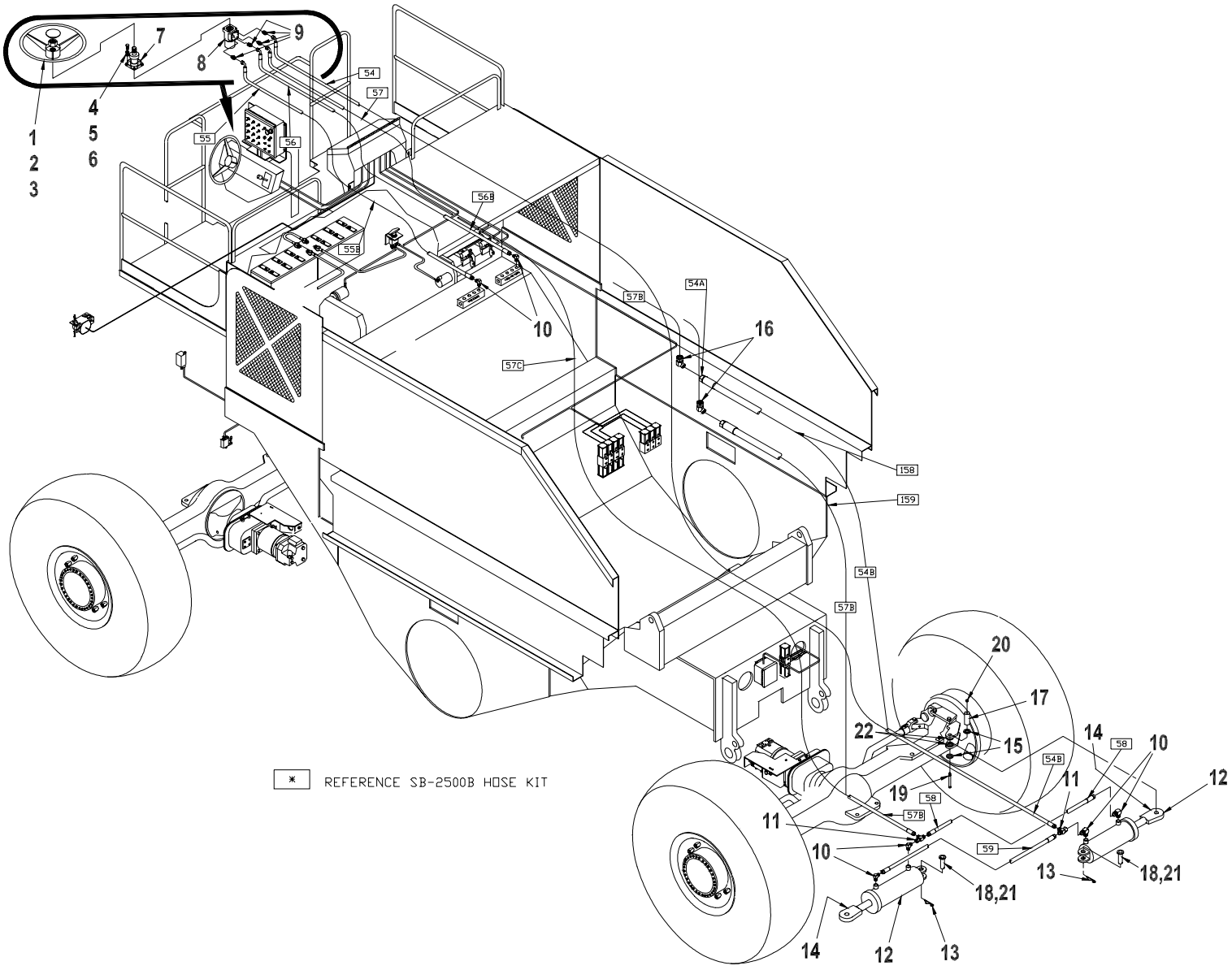
DETAIL 'A'
SCALE 3X



DETAIL 'B'
SCALE 3X

PROPEL DRIVE HYDRAULICS
(200772-01)

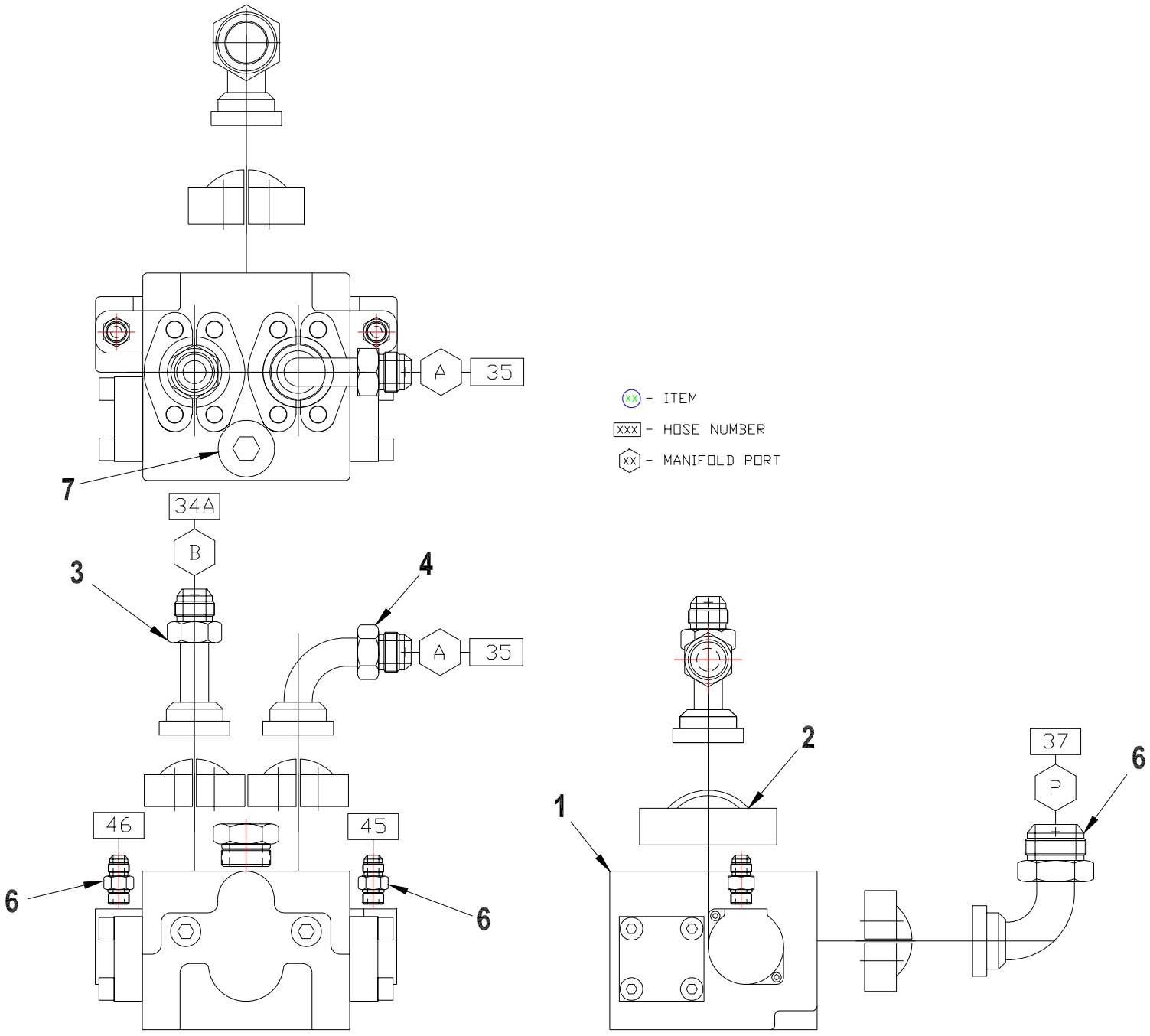
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	91681-04	MOTOR DRIVE	2
2	142483-01	BRAKE-MULTI-DISC-WET	2
3	202267-02	DIFF. LOCK VALVE	1
4	202291-03	HAND PUMP/PILOT MANIFOLD	1
5	130419	CYLINDER - 1.5 BORE X 1 STR. .5 ROD	2
6	97489	O-RING KIT	2
7	96751	#16 FLANGE 45 12 JIC - CODE 62	2
8	90729	#16 FLANGE KIT - CODE 62	4
9	83868-04	#16 FLANGE 90 12 JIC - CODE 62	1
10	140633-04	ELBOW - 12 JIC BULKHEAD 45	1
11	83476-04	FITTING - 12 JIC BULKHEAD UNION	5
12	90952-04	FITTING - 12 JIC SWIV 45	1
13	83475-04	FITTING - 6 JIC BULKHEAD UNION	6
14	128646	ADAPTOR ST. - 6 JIC X 1/8 NPT	4
15	83705-04	FITTING - 10 SAE X 12 JIC ST	2
16	83953-04	FITTING - 6 JIC FEM SW. 90	1
17	83743-04	ELBOW 90 - 4 JIC - 4 SAE	2
18	86164	HEX BOLT - 1/2-13 X 1 1/4	2
19	83317	LOCKWASHER - 1/2	2
20	83781-04	FLAT WASHER - 1/2	2
21	20N62	BOLT, HEX 3/8 - 16 X 5"	2
22	83055	HEX NUT - 3/8-16 UNC GR8	2
23	83056	LOCKWASHER - 3/8 I.D. NOM	2
24	83757	FLAT WASHER - 3/8	2


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57B
57C
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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)

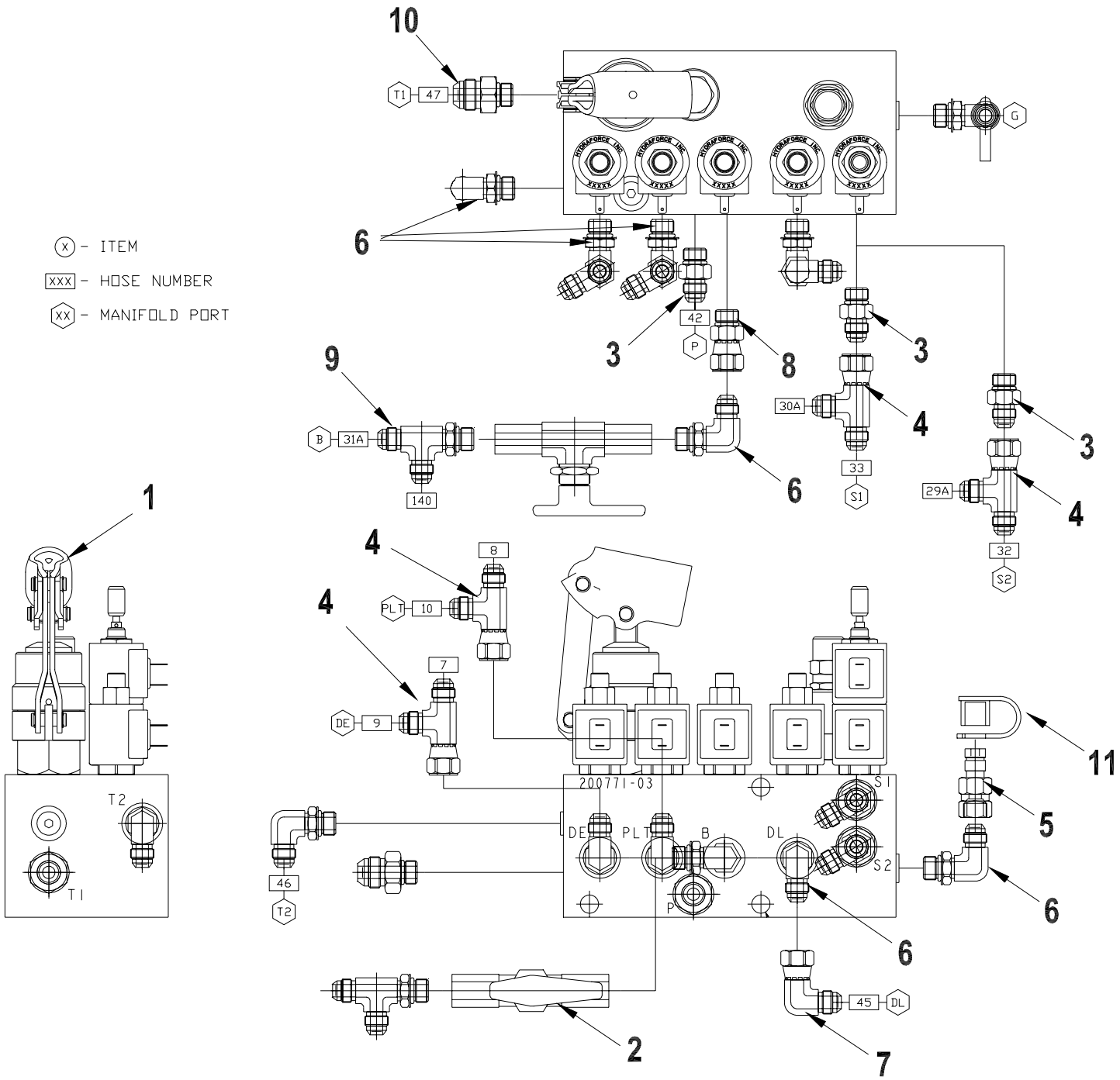


DIFF. LOCK VALVE ASSEMBLY
(202267-02)

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	95981	FITTING - 20 JIC X 16 FLANGE 90 CODE 62	1
6	83735-04	ADAPTER - 6 JIC X 6 SAE M.	2
7	85396-04	FITTING - 16 SAE PLUG	1

HAND PUMP / PILOT VALVES MANIFOLD ASSY.

(202291-03)

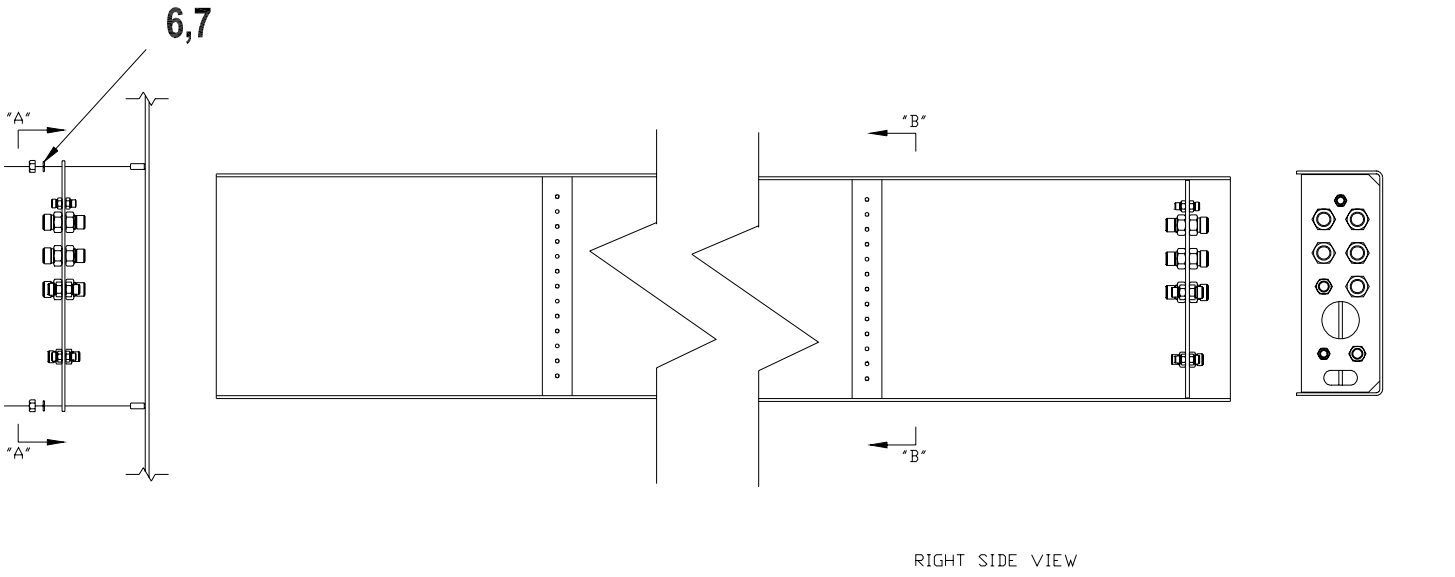


HAND PUMP / PILOT VALVES MANIFOLD ASSY.
(202291-03)

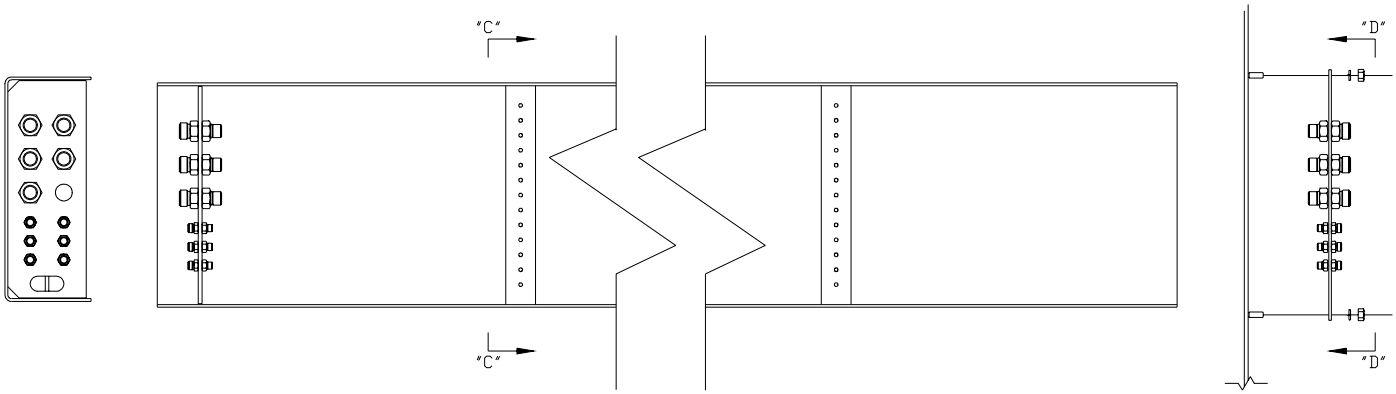
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200771-03	VALVE - HAND PUMP / PILOT MANIFOLD	1
2	131913-04	2-WAY BALL VALVE 6 SAE	1
3	83735-04	ADAPTER - 6 JIC X 6 SAE M.	3
4	84636-04	SWIVEL RUN TEE - 6 JIC	4
5	131680-04	FITTING - 6 JIC TEST PORT	1
6	83734-04	FITTING - 6 SAE X 6 JIC 90	5
7	83953-04	FITTING -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

HYDRAULIC CHANNEL ASSEMBLY.

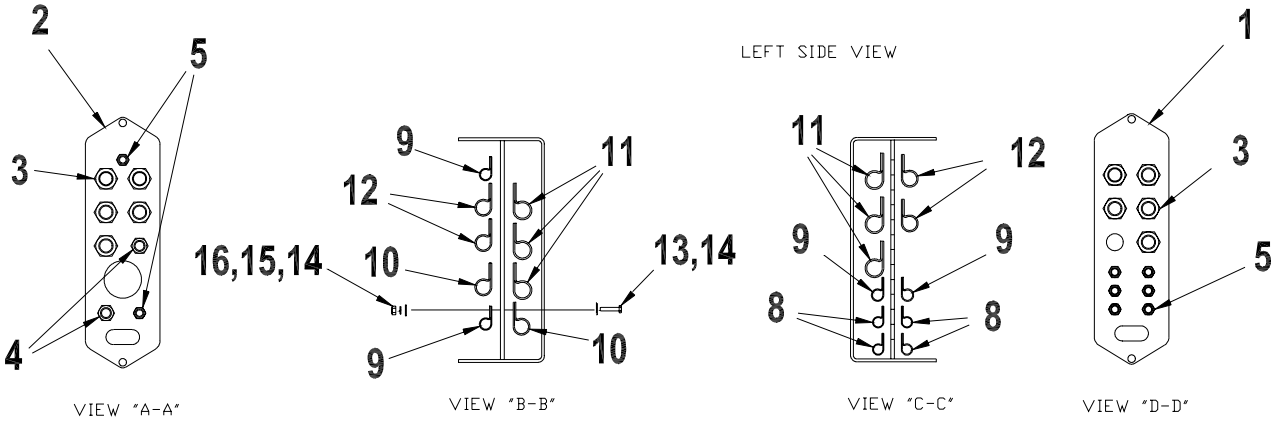
(200284-01)



RIGHT SIDE VIEW



LEFT SIDE VIEW



VIEW "A-A"

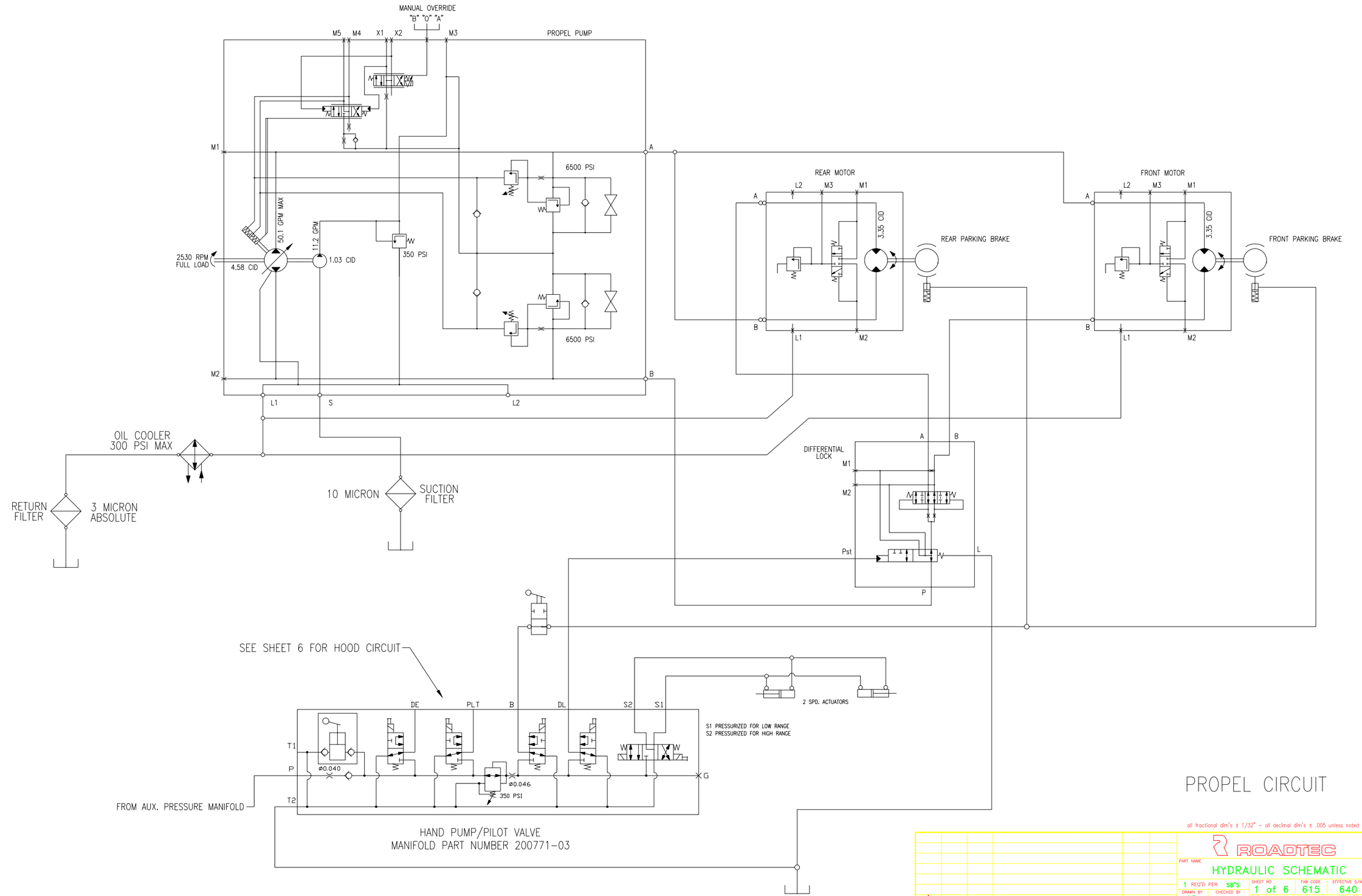
VIEW "B-B"

VIEW "C-C"

VIEW "D-D"

HYDRAULIC CHANNEL ASSEMBLY
(200284-01)

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



PROPEL 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		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

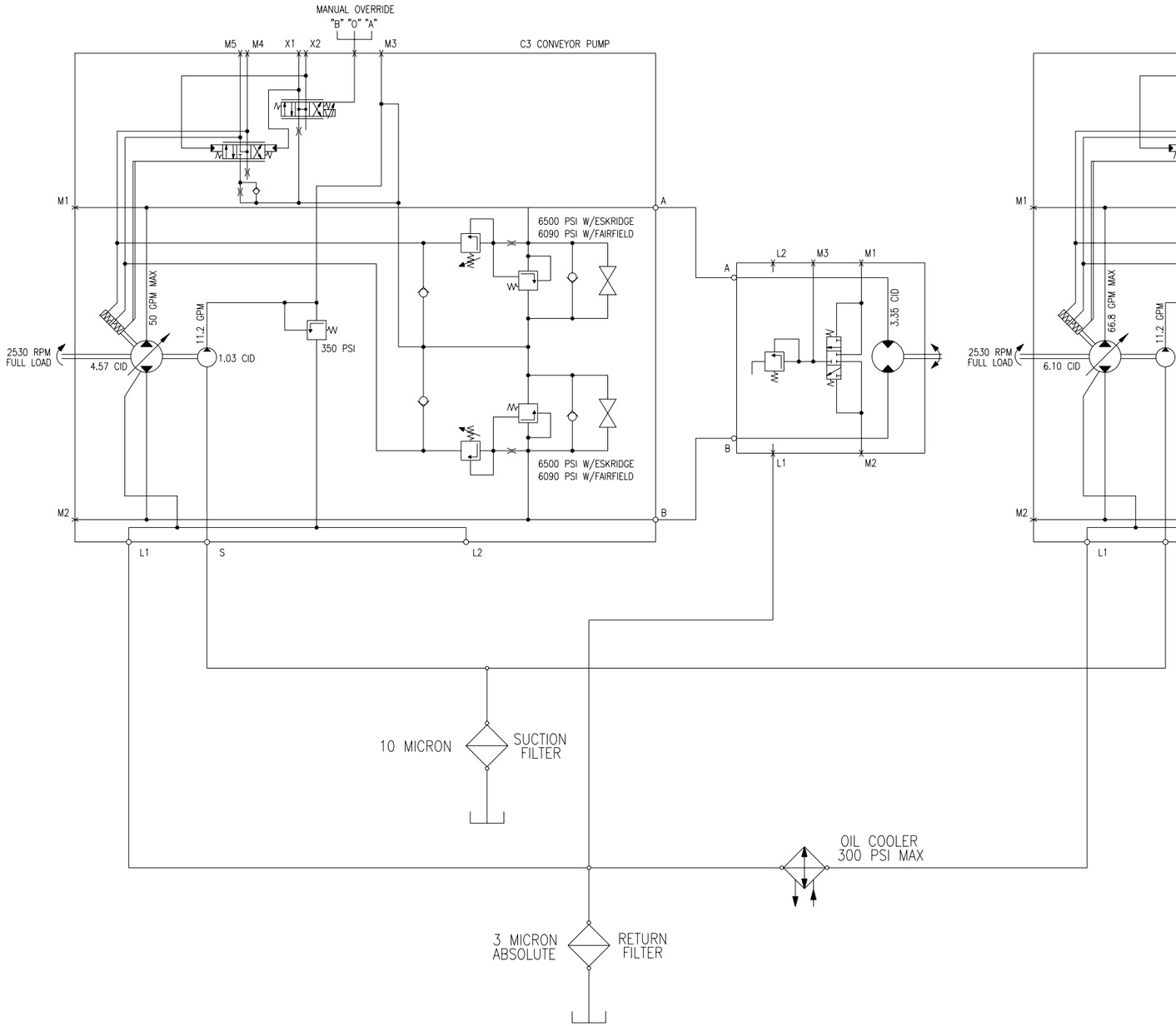
ROADTEC

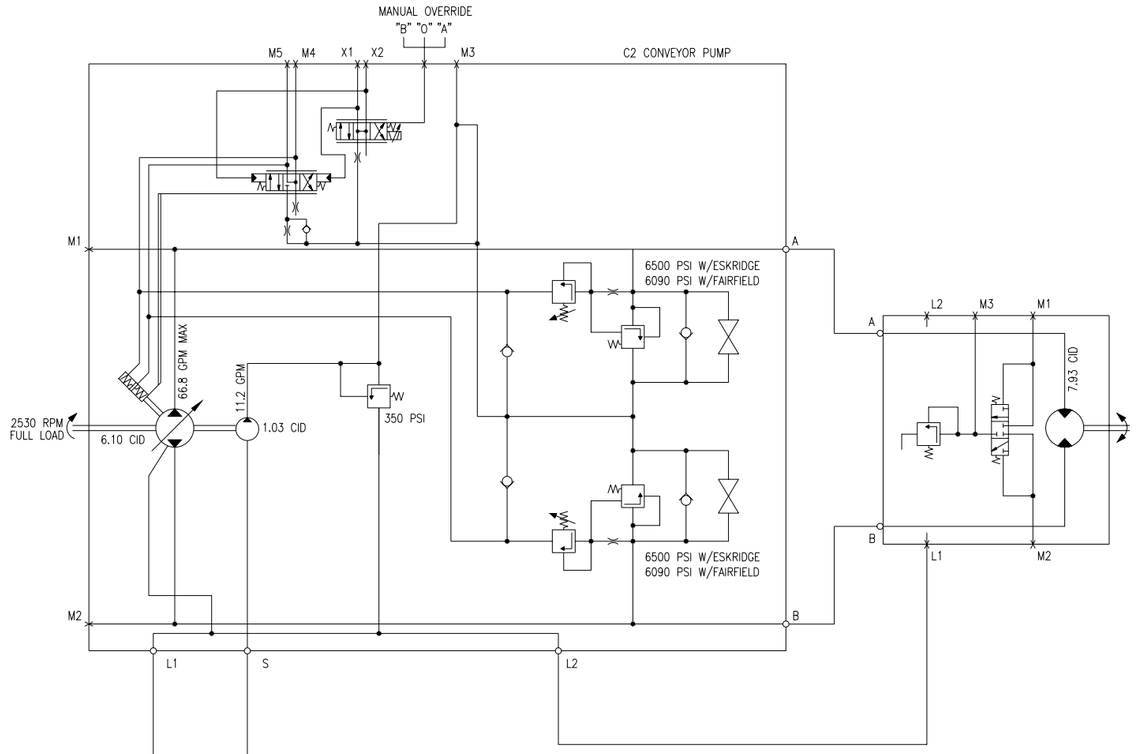
PART NAME: HYDRAULIC SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 1 of 6 | FAB CODE 615 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO 200814-01 | REV. A

SCALE 3/4 | DATE 3/5/02





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
A		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

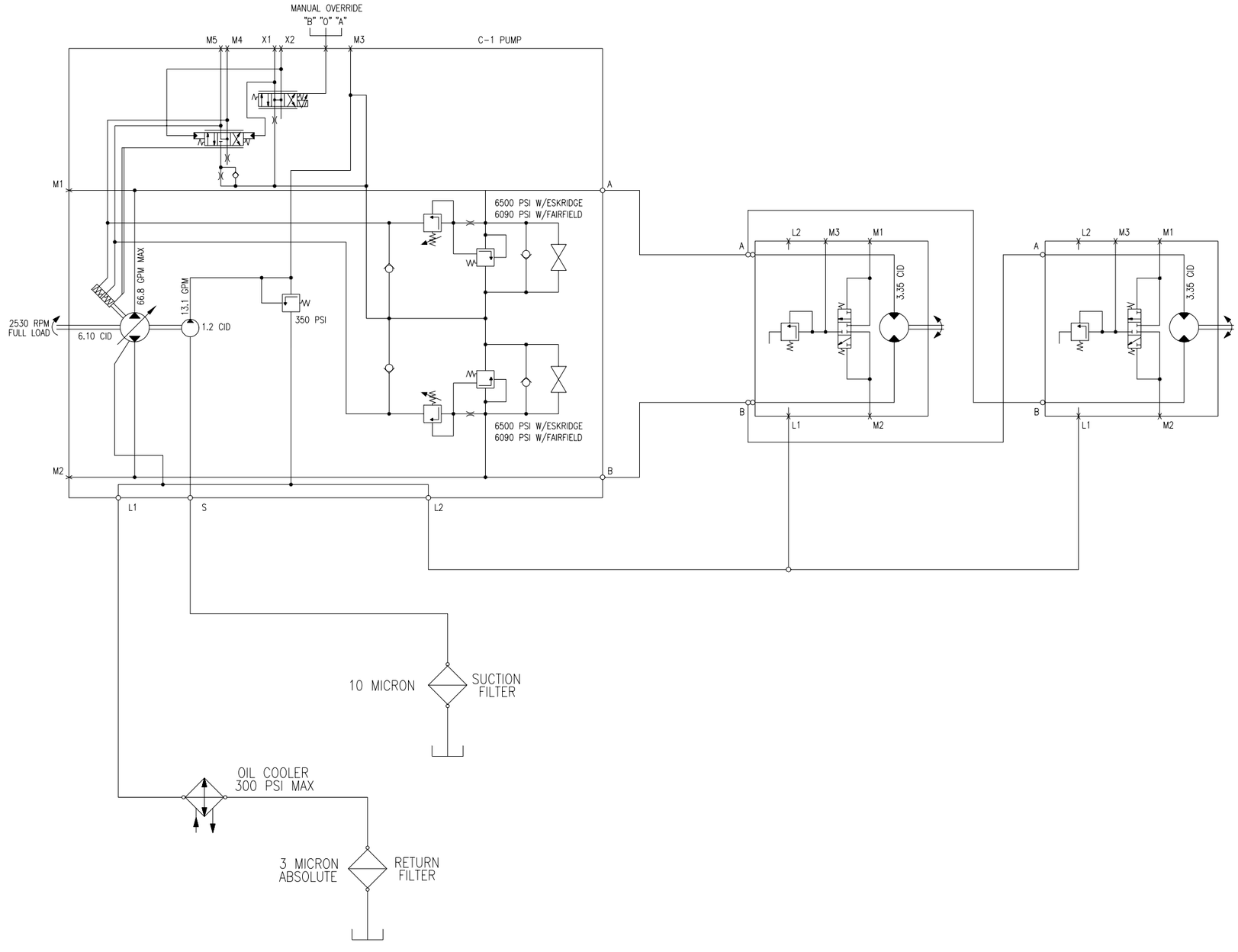
ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 2 of 6 | FAB CODE 615 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO 200814-01 | REV. A

SCALE 3/4 | DATE 3/5/02



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
A		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

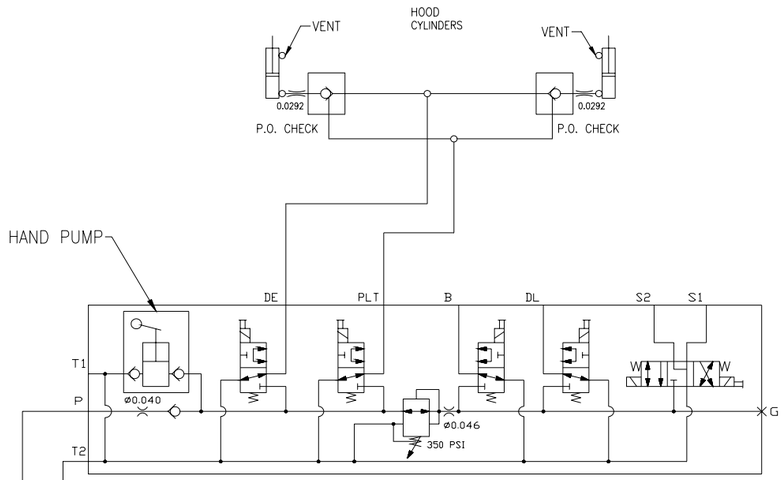
ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

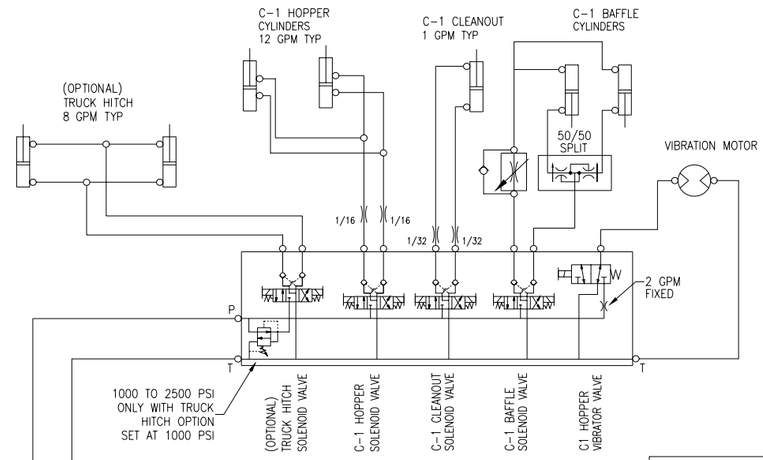
1 REQ'D PER SB'S | SHEET NO 3 of 6 | FAB CODE 615 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO. 200814-01 | REV. A

SCALE 3/4 | DATE 3/5/02

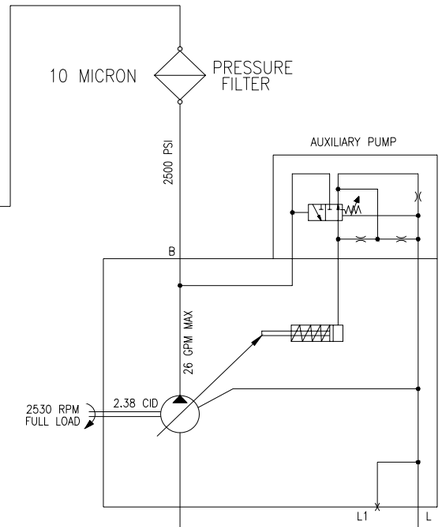


HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 200771-03



C1 HOPPER CONTROL
MANIFOLD PART NO.
146254-03

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



AUXILIARY CIRCUIT

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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
B		11/12/02	UPDATED FOR NEW WINDROW DESIGN	JHB	
A		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 4 of 6 | FAB CODE 615 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO 200814-01 | REV. B

SCALE 3/4 | DATE 3/5/02

Hose type codes

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

MASTER LIST BY HOSE NUMBER

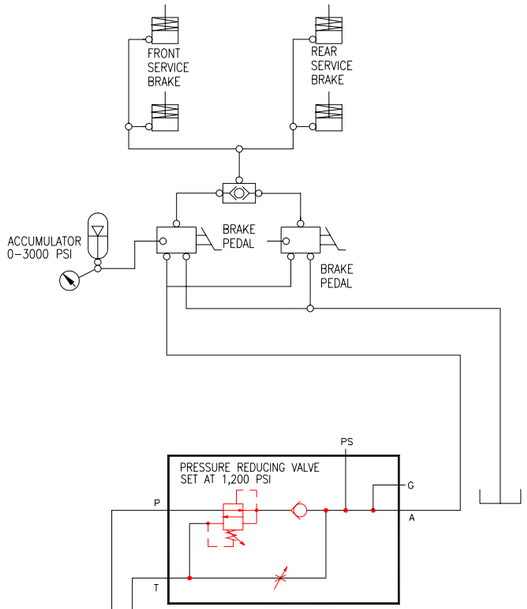
Hose #	Circuit		Roadtec P/N	Function	Hose dia	Type	Cut Hose "	Hose end	Hose end	Circuit (Tier)
1	BRAKES / FLOWGATES		130820	BRAKE	0.375	STD	41	6x6 ST	6x6 LN 90	2
2	**BRAKES / FLOWGATES**		**146021**	**BRAKE**	**0.375**	**STD**	**41**	**6x6 ST**	**6x6 90**	**2**
3	**BRAKES / FLOWGATES**		**146021**	**BRAKE**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

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

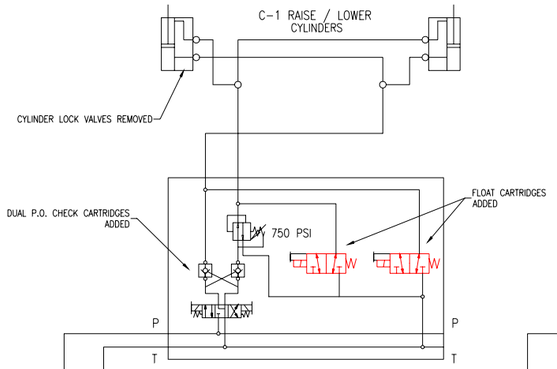
86	C1 DRIVE		130652	R*C1*DRIVE*CD	0.75	STD	90	12x12 ST	12x12 90	6
87	ENGINE		201297	DURST*DR	0.5	STD	82	8x8 ST	8x8 90	1
88	C1 AUXILIARY		201277	VIBRATOR	0.25	STD	135	4x6 ST	4x6 ST	10
89	C1 AUXILIARY		201276	VIBRATOR	0.25	STD	134	4x6 ST	4x6 45	10
90	C1 AUXILIARY		201278	D*HOPPER	0.25	STD	134	4x6 ST	4x6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

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

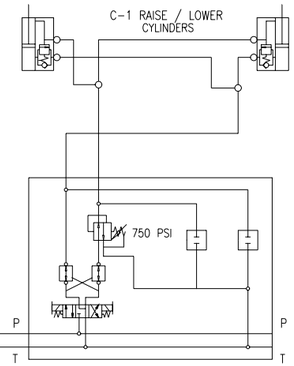
181	C1 AUXILIARY		129836	PUSH ROLLER	0.25	STD	105	4x6 ST	4x6 ST	10
182	C1 AUXILIARY		99645	PUSH ROLLER	0.25	STD	200	4x6 ST	4x6 ST	10
183	C1 AUXILIARY		200302	PUSH ROLLER	0.25	STD	208	4x6 ST	4x6 ST	10
11A	BRAKES / FLOWGATES		129836	BRAKE	0.25	STD	105	4x6 ST	4x6 ST	2
11B	BRAKES / FLOWGATES		134033	BRAKE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



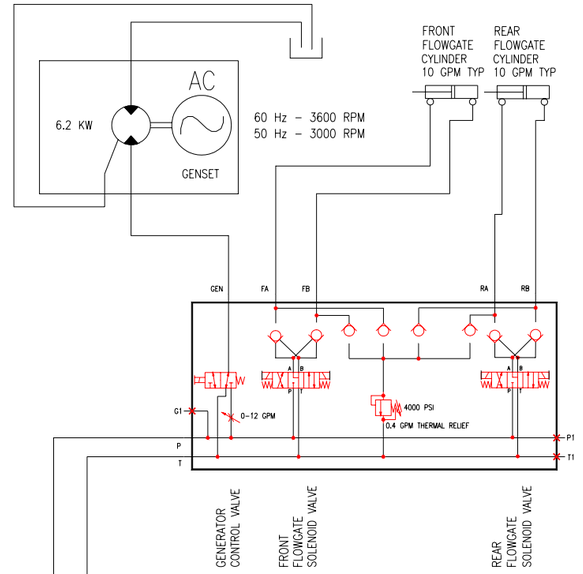
BRAKE
MANIFOLD PART NO.
142915-03



C1 RAISE/LOWER
MANIFOLD PART NO.
146251-03
WINDROW OPTION
SETUP



C1 RAISE/LOWER
MANIFOLD PART NO.
146251-03



FLOWGATE/GENERATOR
MANIFOLD PART NO.
146252-03

"C" "A"

"D" "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
1		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

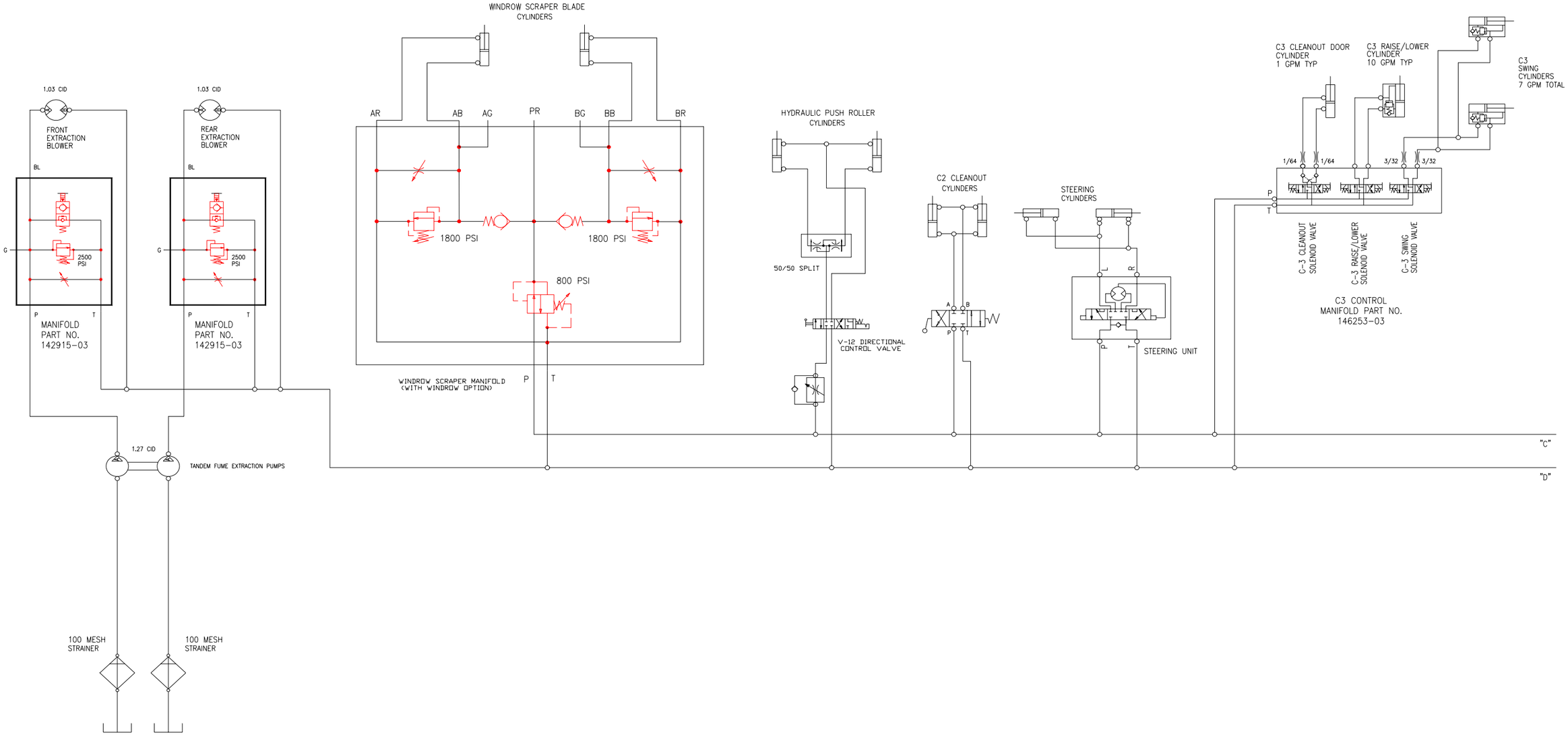
ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 5 of 6 | FAB CODE 615 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO 200814-01 | REV. A

SCALE 3/4 | DATE 3/5/02



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
B		11/12/02	UPDATED FOR NEW WINDROW DESIGN	JHB	
A		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

1 REQ'D PER SB'S

DRAWN BY	CHECKED BY	DATE	SCALE
JHB		3/5/02	3/4

SHEET NO	FAB CODE	EFFECTIVE S/N
6 of 6	615	640

DWG NO 200814-01 REV. B

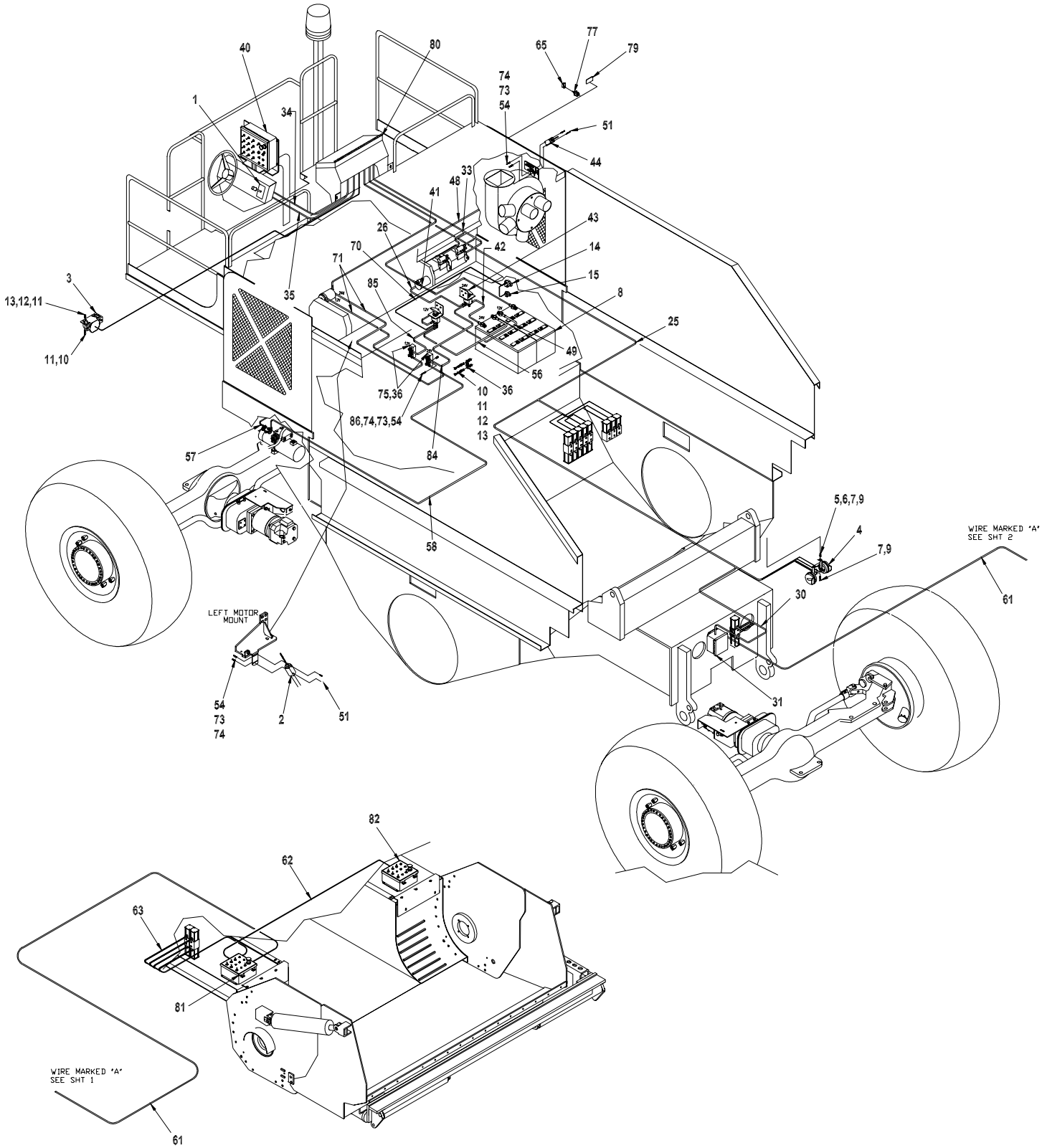
SECTION 5 : ELECTRICAL

ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL WIRING	200815-01	640 & UP	5.1
CENTER CONSOLE	200816-01		5.5
STEERING BOX	200928-01		5.11
L.H. C-1 CONTROL BOX	200818-01		5.15
R.H. C-1 CONTROL BOX	200817-01		5.19
OPERATOR DRIVE CONSOLE	200986-03		5.23
C-1 JUNCTION BOX	149631-02		5.25
C-1 JUNCTION BOX HARNESS	149637-01		5.27
ENGINE WIRE HARNESS	149636-01		5.29
60 AMP BREAKER HARNESS	146130-03		5.31
ALTERNATOR HARNESS	146132-03		5.32
STARTER HARNESS	146133-03		5.33
C-1 CNTL. BOX TO VALVE STACK HARNESS	142312-03		5.34
CROSSOVER HARNESS	142311-03		5.35
C-1 CNTL. BOX TO C-1 CONTROL BOX HARNESS	142310-03		5.36
FUEL VALVE HARNESS	146131-03		5.37
HARNESS - CABLE 4-1	149635-01		5.39
VALVE STACK HARNESS	148334-01		5.40
MAIN BREAKER, WASHDOWN & FXS HARNESS	141154-01		5.41
RADIATOR LIMIT SWITCH HARNESS	145333-01		5.42
SCHEMATIC	200819-01		5.44

ROADTEC
an Astec company

SB-2500C ELECTRICAL ASSEMBLY.

(200815-01)



SB-2500C ELECTRICAL ASSEMBLY
(200815-01)

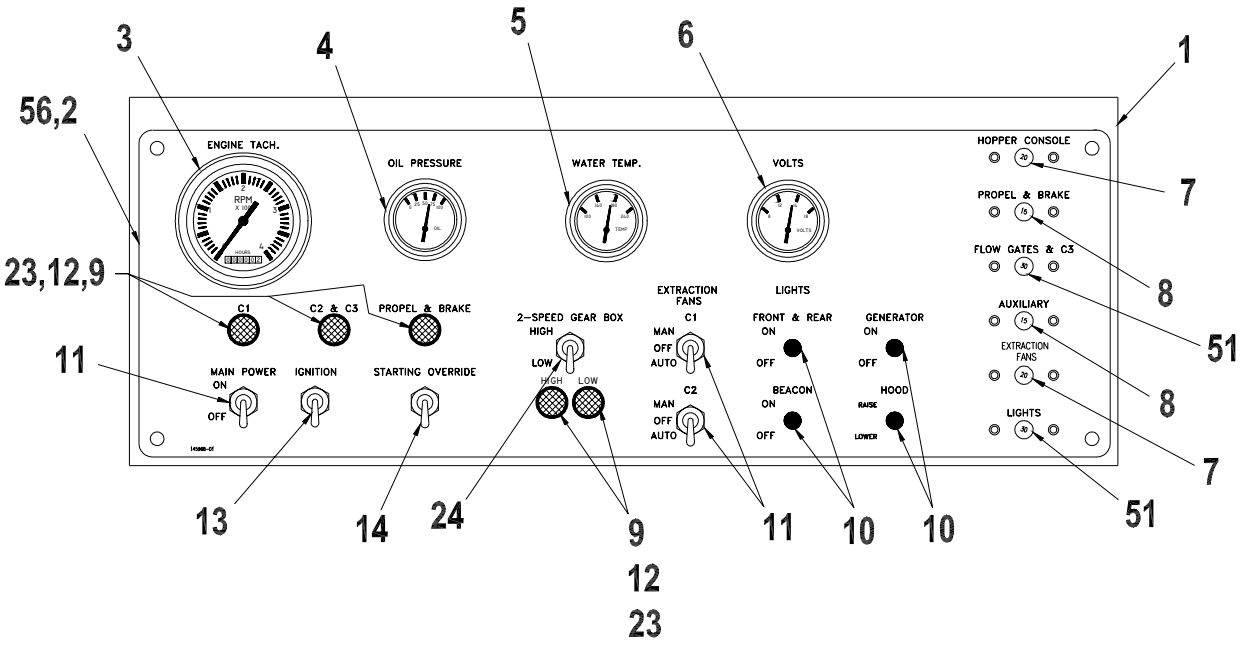
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200986-03	OPERATORS DRIVE CONSOLE	1
2	145333-01	WIRE HARNESS RADIATOR LIMIT SWITCH	1
3	89077-04	ALARM * REVERSING	1
4	97779-04	ALARM * HORN ELECT. TWIN TONE 12V	1
5	83065	LOCKWASHER, 1/4 SPRING STEEL	9
6	89772	HEX NUT, 1/4 - 20 GR 8	9
7	89988-04	HEX BOLT, 1/4 - 20 X 3/4	4
8	11S35	WET CHARGED 12V 4D BATTERY	2
9	84444	FLAT WASHER, 1/4 STEEL	18
10	84332	HEX BOLT, 3/8 - 16 X 1	30
11	83757	FLAT WASHER, 3/8 STEEL	62
12	83056	LOCKWASHER, 3/8 SPRING STEEL	34
13	83055	HEX NUT, 3/8 - 16 GR 8	32
14	20Z54	CIRCUIT BREAKER 60 AMP	1
15	90930-04	CIRCUIT BREAKER 40 AMP	1
16	92756-04	4- PIN CONNECTOR	4
17	127519	3 - PIN MATING BAG	1
18	127520	ELEC. WEATHER PACK CON.	2
19	98319	WIRE, FEMALE SPADE TERMINAL	5
20	90093	WIRE, 1/2" # 10 RING TERMINAL	2
21	121396	FEMALE CONNECTOR	10
22	95018	WIRE, STDD #8 TFFN BLK,RED,GRN,WHT	396"
23	141154-01	WIRE HARNESS ~ MAIN BREAKER, WASH DOWN	1
24	95578	WIRE, 16 GA. BLK,WHT,RED	120"
25	148334-01	WIRE HARNESS, VALVE STACK	1
26	146126-04	BATTERY CABLE ~ STARTER TO ISO SWITCH	1
27	95019	WIRE, STRANDED #10 TFFN	480"
28	87856-04	WIRE ~ 12 GA. AWG BLK, WHT, RED	540"
29	84316-04	WIRE ~ 16-2 ALPHA	312"
30	149637-01	WIRE HARNESS ~ C1 JUNCTION BOX	1
31	149631-02	C1 JUNCTION BOX ASSEMBLY	1
32	92498-04	WIRE ~ 16 GA. BLUE W/ RED STRIPE	192"
33	149636-01	WIRE HARNESS ~ ENGINE	1
34	149635-01	WIRE HARNESS ~ CABLE 4-1	1
35	141157-01	WIRE HARNESS ~ CABLE 4	1
36	146287*04	FUSIBLE LINK ~ 150A	3
37	83648-04	WIRE TERMINAL 3/8 RING #10	5
38	90093	WIRE ~ 1/2" EYE X #10 RING	2
39	13E68	TOGGLE SWITCH	1
40	200928-01	STEERING BOX ELECTRICAL ASSEMBLY	1
41	146115-04	BATTERY CABLE - NEGATIVE TO STARTER	1
42	146124-04	BATTERY CABLE - 24V TO ISO SWITCH	1
43	130644	BATTERY ISOLATION SWITCH	2
44	145266-02	LIMIT SWITCH W/ WOBBLE LEVER	1
45	86505-04	3/8 INTERLOCK MOLDING	1
46	98550-04	1/2 INTERLOCK MOLDING	6
47	126976	WIRE TIE, 3/16 X 5 1/2 NYLON	200
48	146127-04	BATTERY CABLE, GRD TO MAIN FRAME	1
49	146125-04	BATTERY CABLE, 12V TO ISO SWITCH	1
50	95578	WIRE- 16GA. BLK,WHT,RED	60"

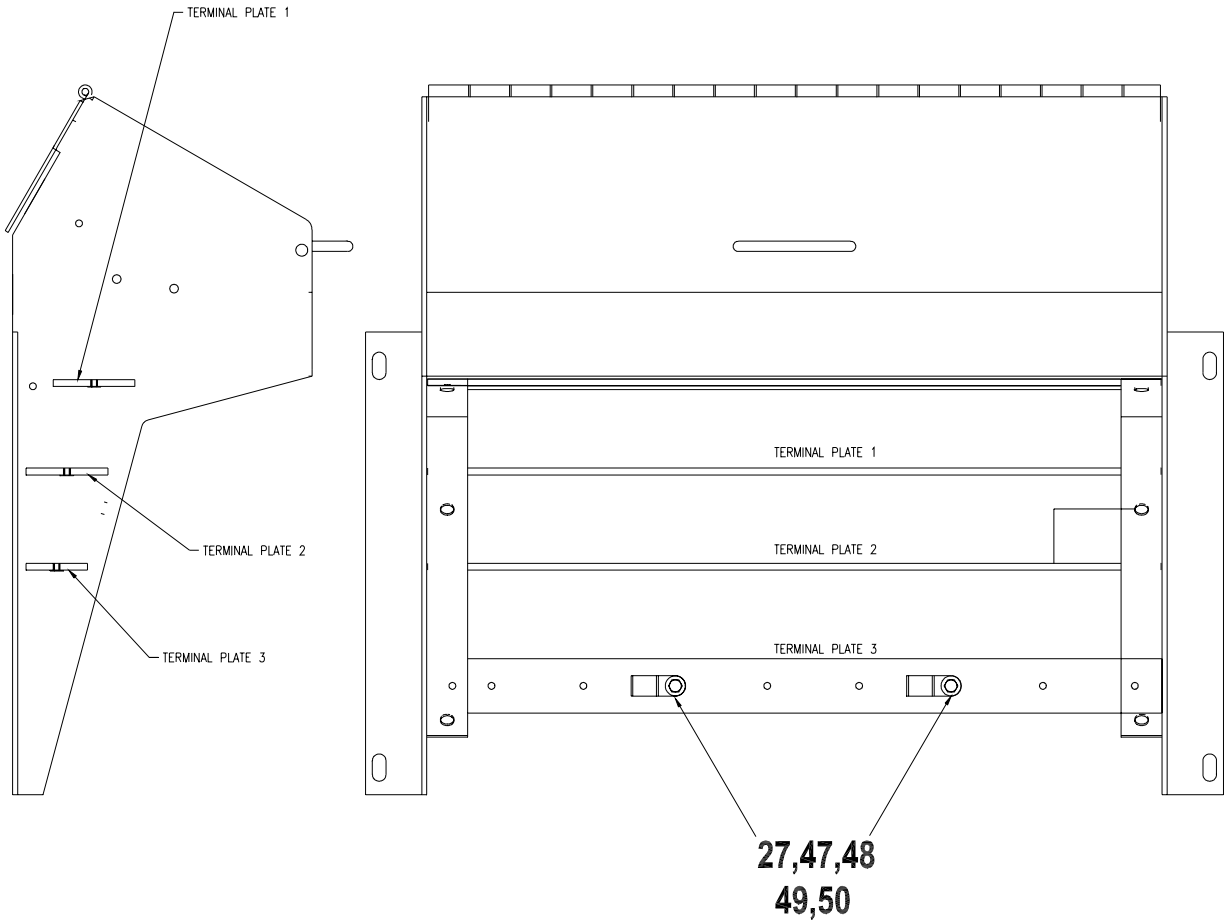
SB-2500C ELECTRICAL ASSEMBLY
(200815-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	80175	BOLT, SOC HD #10 - 32 X 2 LG	4
52	141038	3/4 ELECTRICAL TAPE (60YDS)	3
53			
54	92552	FLAT WASHER #10	12
55	83657-04	WIRE TIE, 3/16 X 7 NYLON	295
56	146128-04	BATTERY CABLE, GND TO ISO SWITCH	1
57	144857-04	BATTERY CABLE, GND TO POWER PACK	1
58	146129-04	BATTERY CABLE, ISO SWITCH TO POWER PACK	1
59	99965	CLAMP, 2" RUBBERIZED TUBE	2
60	200819-01	ELECTRICAL SCHEMATIC	1
61	142310-03	WIRE HARNESS, C1 JUNCTION TO C1 CONTROL	1
62	142311-03	CROSS OVER HARNESS, C1 CONTROL BOX	1
63	142312-03	WIRE HARNESS, C1 CONTROL, VALVE STACK	1
64	11K76	MOUNTING CLAMP FOR 1 1/4 HOSE	4
65	97490-C1	COVER SWITCH	4
66	83649-04	WIRE, TERMINAL FEMALE SPADE.20EA	10
67	120276-C1	KNOB, 1/4 SHAFT FOR POTENTIOMETER	2
68			
69	83905-04	WIRE TIE, 1/4 X 14 NYLON	200
70	146130-03	WIRE HARNESS, 60AMP BREAKER	1
71	146132-03	WIRE HARNESS, ALTERNATOR	1
72	146133-03	WIRE HARNESS, STARTER	1
73	90102	NUT, 10-32	8
74	90103	LOCKWASHER #10	8
75	146264-04	BASE, FUSIBLE LINK	2
76	93118	12 VOLT START ASSIST SOLENOID	1
77	136784-04	TOGGLE SWITCH, ON/OFF/-ON DPDT	1
78	142461	WIRE, YELLOW #10 FORK TERMINAL	1
79	14443-04	DATA PLATE, C3 CLEANOUT DOOR	1
80	200816-01	CENTER CONSOLE ELECTRICAL ASSEMBLY	1
81	200817-01	RH C1 CONTROL BOX	1
82	200818-01	LH C1 CONTROL BOX	1
83	146131-03	WIRE HARNESS, FUEL VALVE	1
84	146296-04	BATTERY CABLE, FUSIBLE LINK TO ISO	1
85	146298-04	BATTERY CABLE, FUSIBLE LINK TO BATTERY	1
86	135807-04	SLOTTED HEAD MACHINE SCREW,10 - 32 X1	4
87	145538	CLAMP, 3- PC MTG FOR 1 1/2 OD HOSE	1
88	11K77	CLAMP, MOUNTING FOR 1" OD HOSE	3

CENTER CONSOLE ELECTRICAL ASSEMBLY.

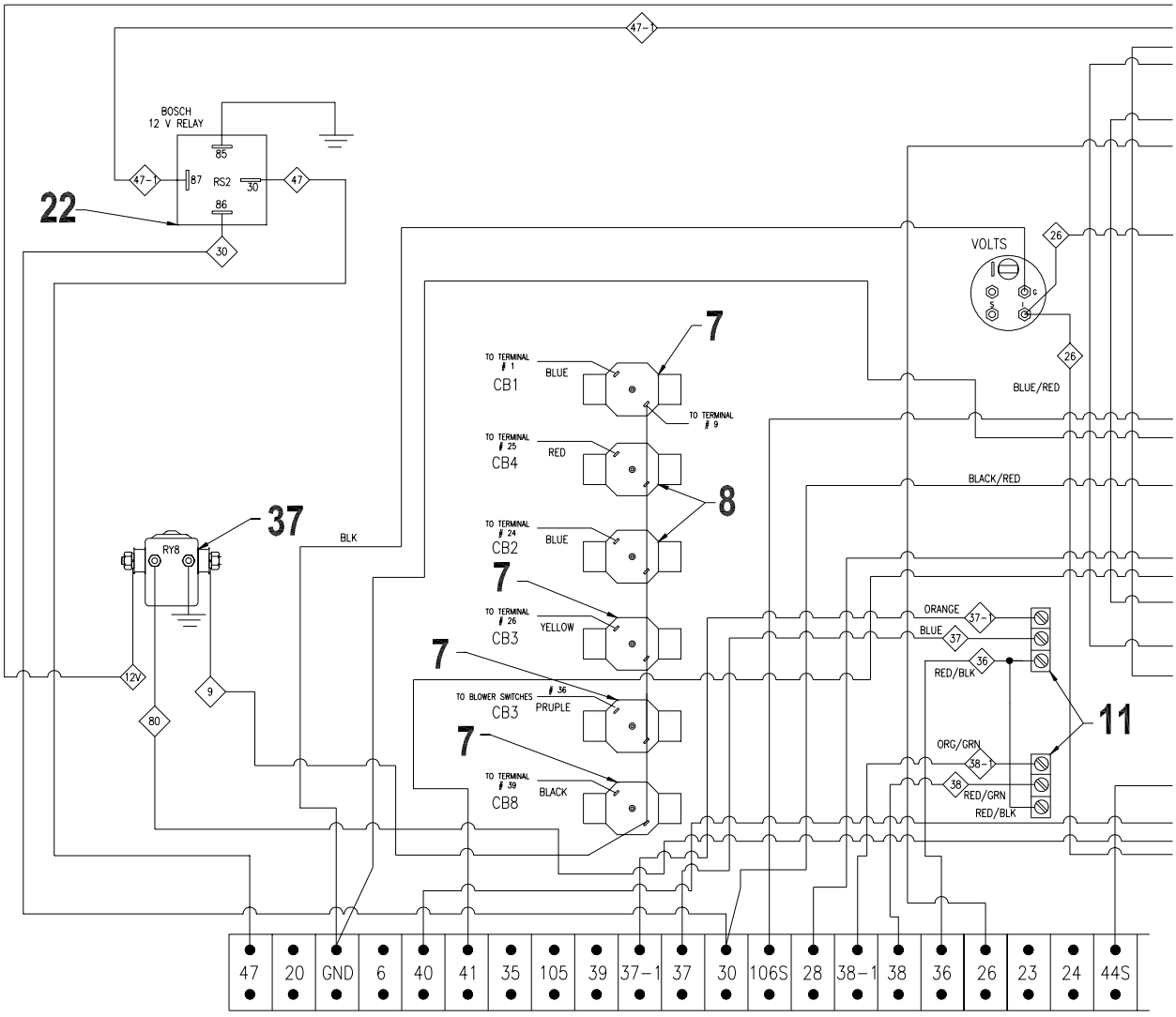
(200816-01)





CENTER CONSOLE ELECTRICAL ASSEMBLY.

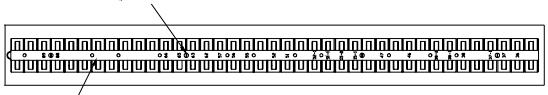
(200816-01)



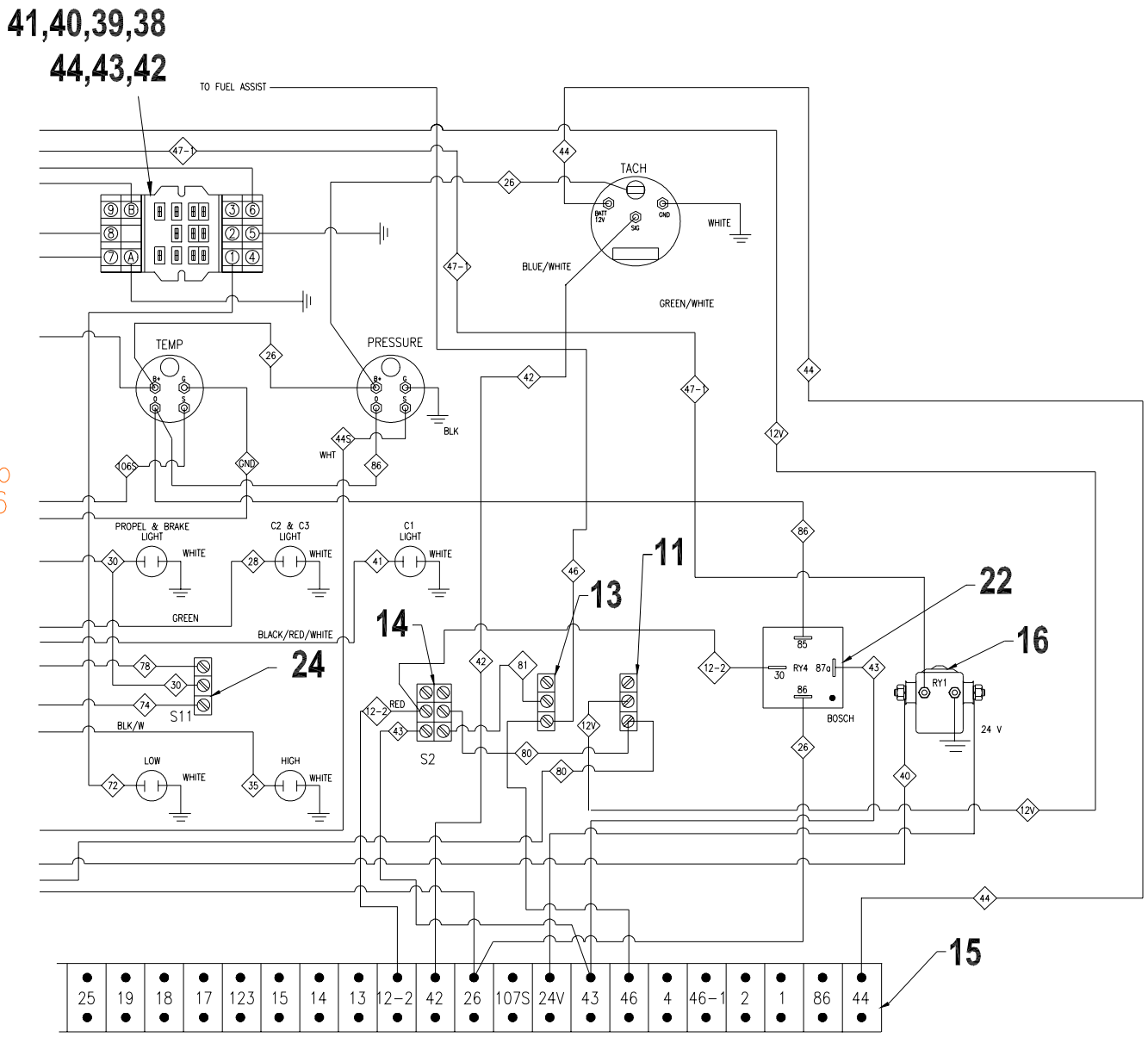


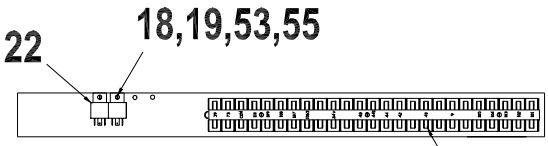
46 TERMINAL PLATE 1
(39 TERMINAL BLOCKS)

54



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





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

CENTER CONSOLE ELECTRICAL ASSEMBLY
(200816-01)

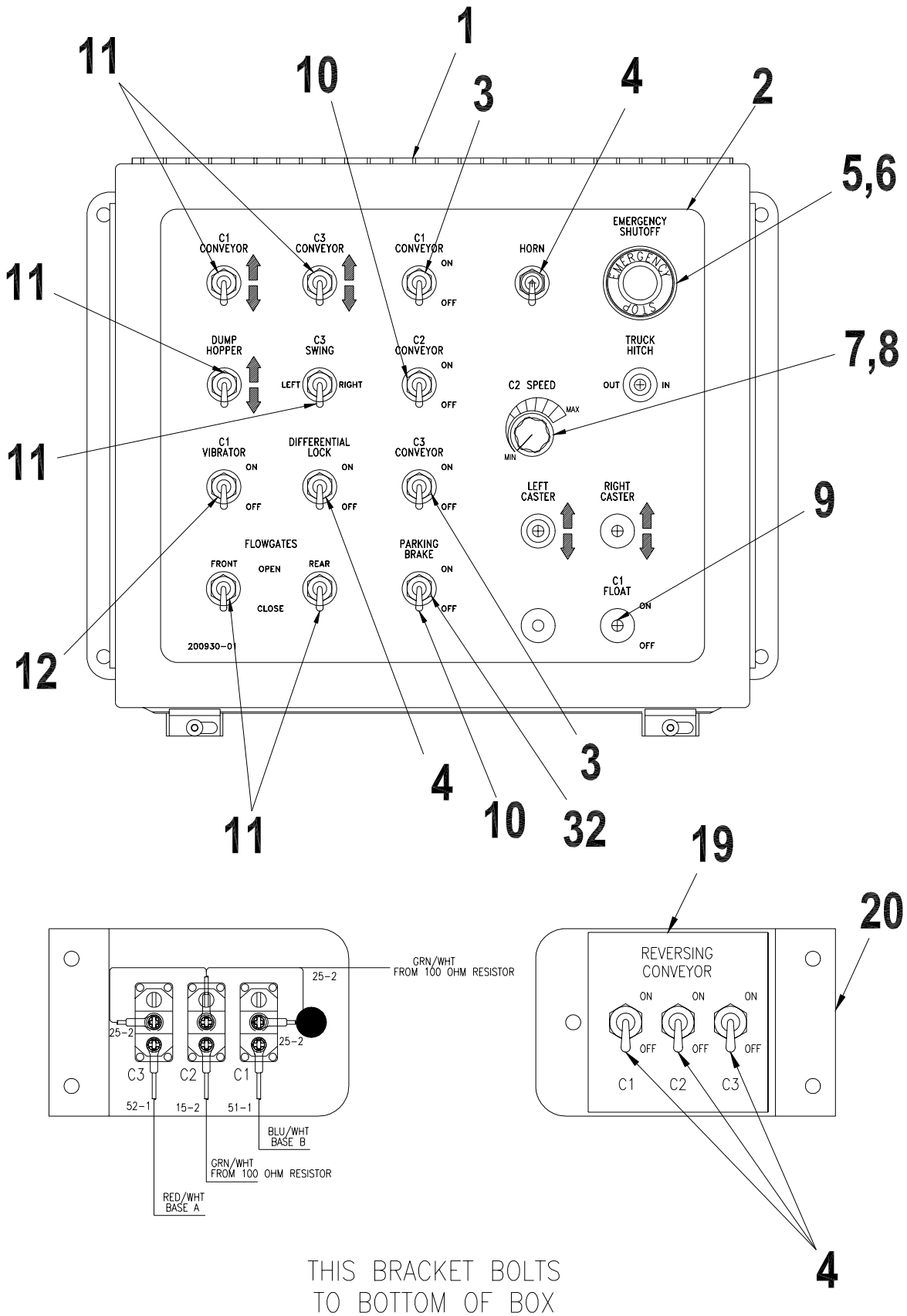
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	146495-01	CENTER CONSOLE	
2	200820-01	CENTER CONSOLE COMPONENT PLATE	1
3	143252-04	GAUGE - TACH.	1
4	143254-04	GAUGE - PRESSURE	1
5	143253-04	GAUGE - TEMP.	1
6	143255-04	GAUGE - VOLTS	1
7	90089	CIRCUIT BREAKER 20 AMP	2
8	13A04	CIRCUIT BREAKER 15 AMP	2
9	80446-04	LIGHT - RED JEWEL LENS	5
10	97944-04	HOLE PLUG 1/2"	1
11	13E68	TOGGLE SWITCH	3
12	128180	LIGHT - BULB 12 V. 127SB5	5
13	97542	TOGGLE SWITCH ON / OFF SP-ST-SR	1
14	135431-04	TOGGLE SWITCH	1
15	13C69	TERMINAL BLOCK	103
16	93118	SOLENOID - 12 V. START ASSIST	1
17	83856-04	WIRE TIE - 3/16" X 4" NYLON	57
18	92552	FLAT WASHER # 10	4
19	90103	LOCKWASHER # 10	2
20	93253	WIRE - TERM. RING # 16 GA. (NOT SHOWN)	26
21	90554	WIRE - RING TERMINAL # 10	24
22	121746-04	RELAY - BOSCH 12 V. 40 AMP	2
23	80449-04	LIGHT - SOCKET	5
24	139471	TOGGLE SWITCH	1
25	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	43
26	83657-04	WIRE TIE - 3/16" X 7" NYLON	12
27	95966	CLAMP - 3/4" CUSHION TUBE (1/2" BOLT)	2
28	28Y52	TERMINAL - FEM. NON-INSUL. .250	75
29	98986-04	WIRE - # 8 TERM. # 10 POST (NOT SHOWN)	3
30	121538	WIRE - INSUL. FEM. CONN. (NOT SHOWN)	2
31	90553	WIRE - RING TERMINAL 1/4	2
32	93988	STUD - 10 AWG 5/16 (NOT SHOWN)	3
33	128219	WIRE - RING TERMINAL	4
34	97735	WIRE - FEM. INSUL. SPADE TERMINAL	6
35	121539	MALE CONNECTOR (NOT SHOWN)	3
36	98319	WIRE - FEM. SPADE TERMINAL	10
37	135727-04	POWER RELAY 12 VDC 65 AMP	1
38	96776	RELAY - LATCHING DPDT	1
39	96777	RELAY - BASE	1
40	96777-C1	CLIP KIT	1
41			
42			
43	O1290	SCREW, SLOT HD. M4 X 10 X 84 mm	2
44	45092	NUT, LOCK VM4-0.7 / 890 BN 169	2
45	97976	ADHESIVE MOUNT	46
46	145671-02	DATA PLATE KIT - TERMINAL ID STRIPS	1
47	89773	BOLT, HEX 1/4 - 20 X 1"	2
48	89772	NUT, HEX 1/4 - 20	2
49	83065	LOCKWASHER 1/4" SPRING STEEL	2
50	84444	FLAT WASHER 1/4" STEEL	4

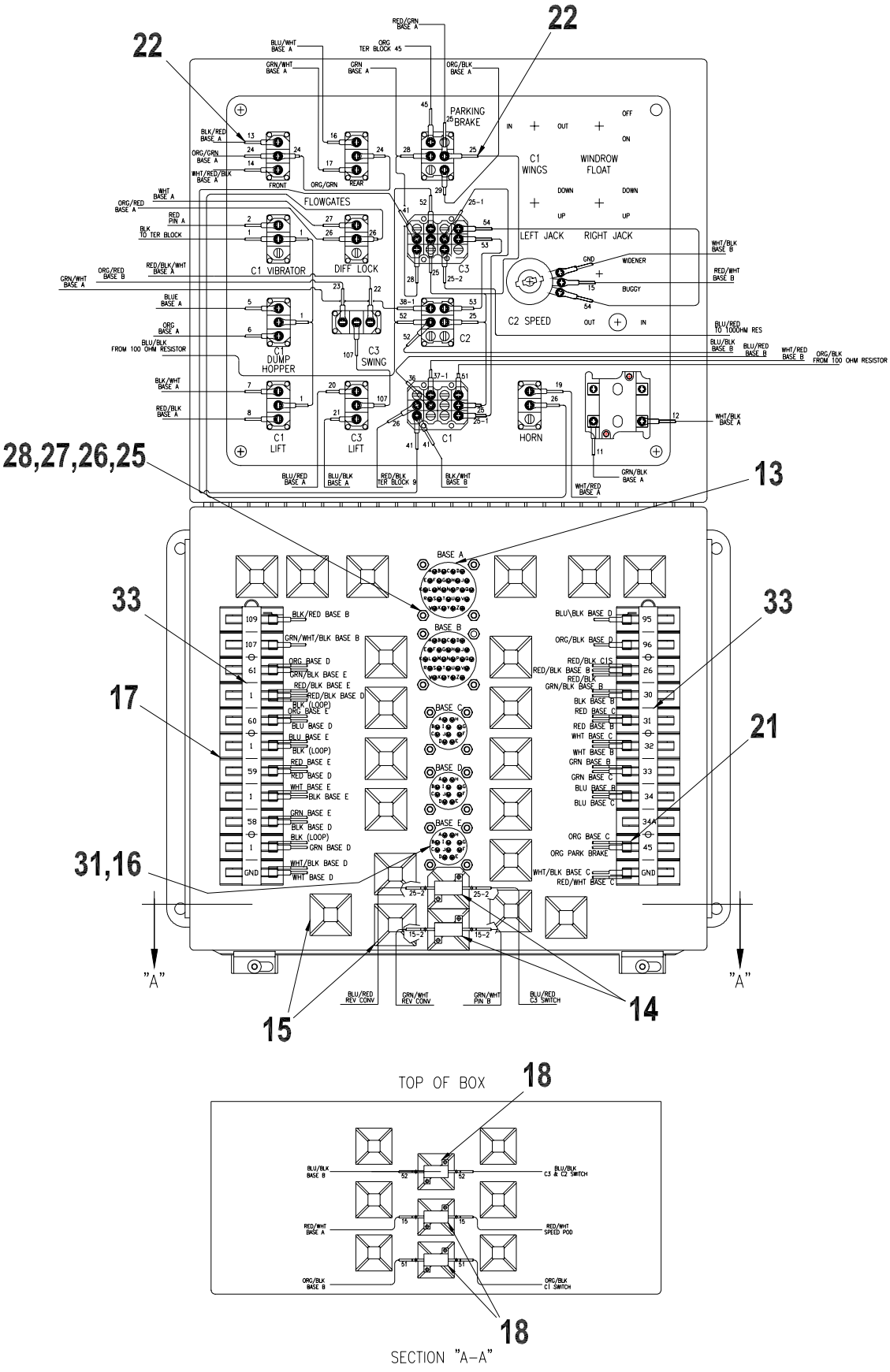
CENTER CONSOLE ELECTRICAL ASSEMBLY
(200816-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
51	92523-04	CIRCUIT BREAKER 30 AMP	2
52	138601-03	DECAL - ALUM. NO. STICKERS	1
53	90102	NUT, HEX 10 - 32	2
54	135807-04	SCREW 10 - 23 X 1"	12
55	90101	SCREW 10 - 23 X 3/4"	2
56	200821-01	DECAL - CENTER CONSOLE	1

STEERING BOX ELECTRICAL ASSEMBLY.

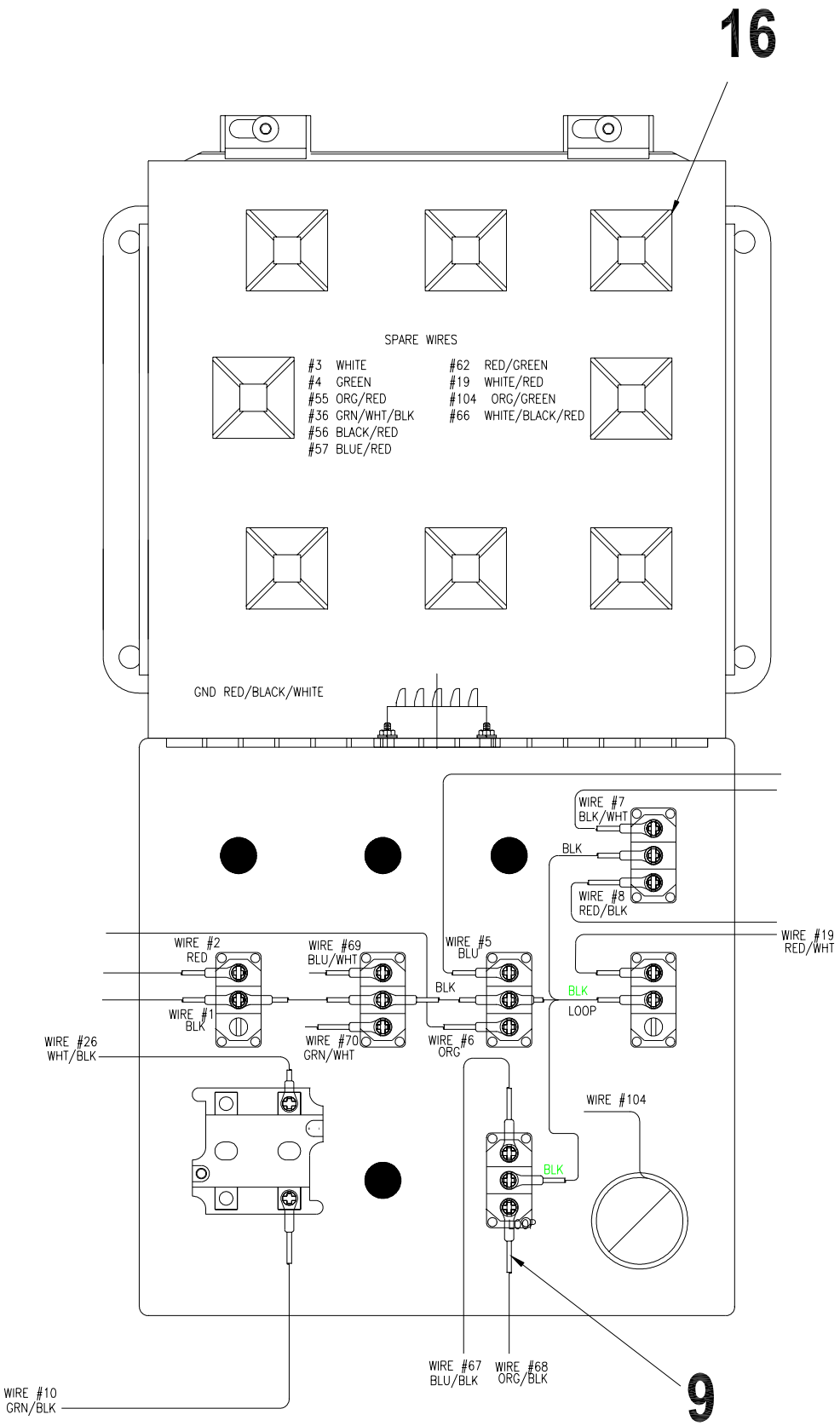
(200928-01)




22
22
28,27,26,25
13
33
33
17
21
31,16
15
14
18
18
PARKING BRAKE
C1 WINGS
WINDROW FLOAT
FLOWGATES
LEFT JACK
RIGHT JACK
C1 VIBRATOR
DIFF LOCK
C3 SWING
C2 SPEED
C1 DUMP HOPPER
C1 LIFT
C3 LIFT
HORN
WIDENER
BUGGY
BASE A
BASE B
BASE C
BASE D
BASE E
"A"
"A"
TOP OF BOX
SECTION "A-A"

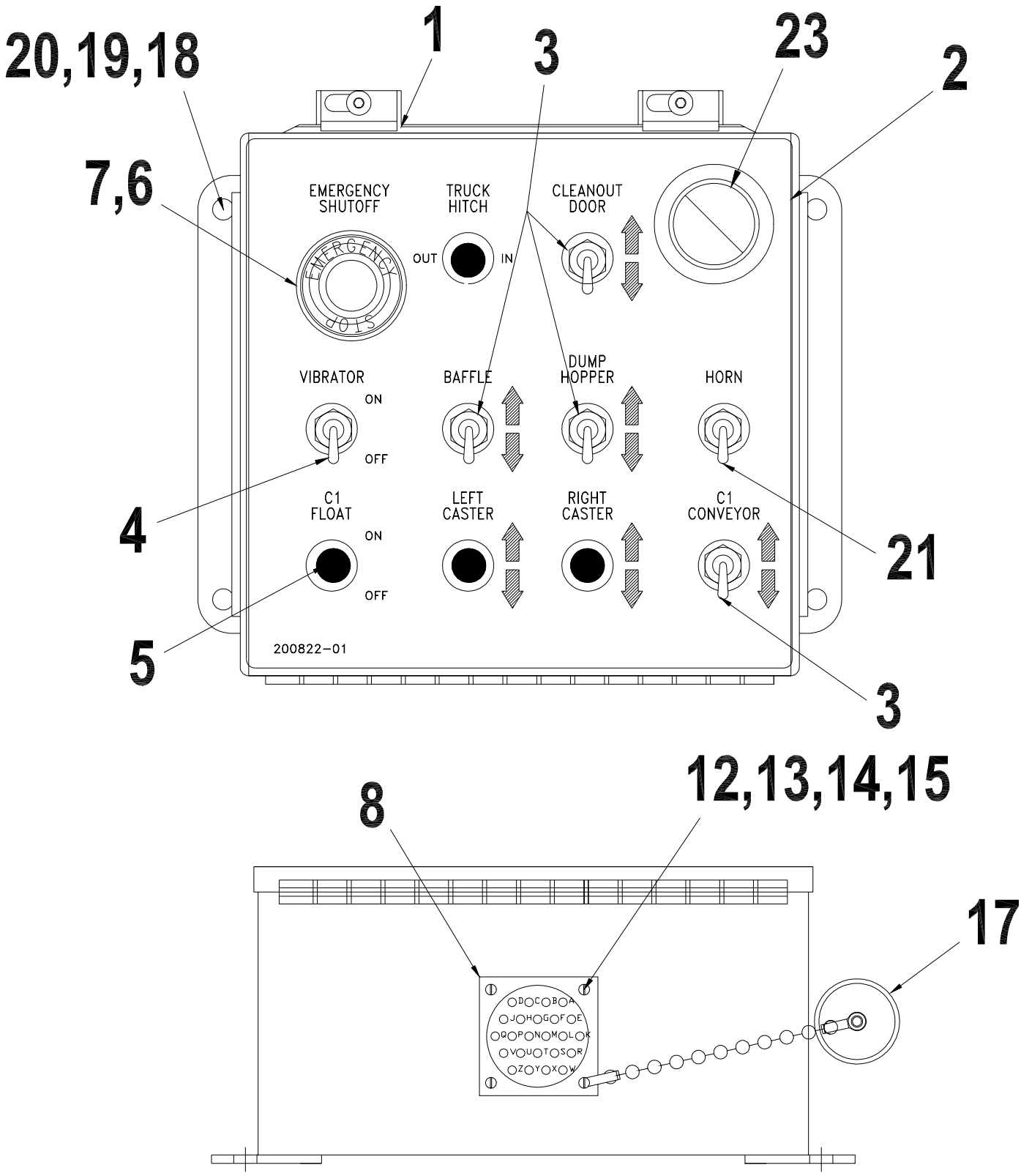
STEERING BOX ELECTRICAL ASSEMBLY
(200928-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200929-01	STEERING CONTROL BOX	1
2	200930-01	STEERING CONTROL BOX DECAL	1
3	20Z53	SELECTOR SWITCH	2
4	97542	ON - OFF TOGGLE SWITCH SP - ST- SR	5
5	93251-04	" EMERGENCY STOP " SWITCH	1
6	93250-04	EMERGENCY STOP CONTACT BLOCK	1
7	130406	ELEC., ROTARY POT. 25 WATT / 100 OHM	1
8	130406-C1	ELEC., ROTARY POT KNOB	1
9	97944-04	HOLE PLUG 1/2	5
10	97678	TOGGLE SWITCH 2 DPDT	2
11	139471	TOGGLE SWITCH	6
12	13E68	TOGGLE SWITCH	1
13	86448-04	24 PIN RECEPTACLE	2
14	97621	RESISTOR 100 OHMS 10 WATT	2
15	97976	ADHESIVE MOUNT	40
16	80411-04	10 PIN RECEPTACLE = 2 PIECES	3
17	13C69	TERMINAL BLOCK	22
18	120275	RESISTOR, 75 OHM 10 WATT	3
19	127431-04	DATA PLATE, REVERSING CONVEYOR	1
20	121388-02	BRACKET, OPERATOR'S ENCLOSURES	1
21	28Y52	FEMALE TERMINAL NON-INSU. 250	40
22	93253	WIRE, TERMINAL RING 16 GA.(NOT SHOWN)	61
23	83856-04	3/16" X 4" NYLON WIRE TIE	48
24	126976	3/16" X 5 1/2" NYLON WIRE TIE	44
25	06996	M3-0.5 X 20 5.8 84 SLOT HEAD SCREW	20
26	04762	M3- 0.5 GD8 934 HEX NUT	20
27	92554	FLAT WASHER # 6	40
28	131551	LOCKWASHER # 6	20
29	121396	FEMALE CONNECTOR	10
30	93988	TERMINAL 5/16 RING	1
31	80419-04	10 PIN CAP	2
32	97490-C1	SWITCH COVER	1
33	149634-03	DATA PLATE, TERMINAL ID STRIP	1


16
SPARE WIRES
#3 WHITE
#4 GREEN
#55 ORG/RED
#36 GRN/WHT/BLK
#56 BLACK/RED
#57 BLUE/RED
#62 RED/GREEN
#19 WHITE/RED
#104 ORG/GREEN
#66 WHITE/BLACK/RED
GND RED/BLACK/WHITE
WIRE #7 BLK/WHT
BLK
WIRE #8 RED/BLK
WIRE #19 RED/WHT
WIRE #2 RED
WIRE #69 BLU/WHT
WIRE #5 BLU
BLK
BLK
LOOP
WIRE #1 BLK
WIRE #70 GRN/WHT
WIRE #6 ORG
WIRE #26 WHT/BLK
WIRE #104
BLK
WIRE #67 BLU/BLK
WIRE #68 ORG/BLK
9
WIRE #10 GRN/BLK

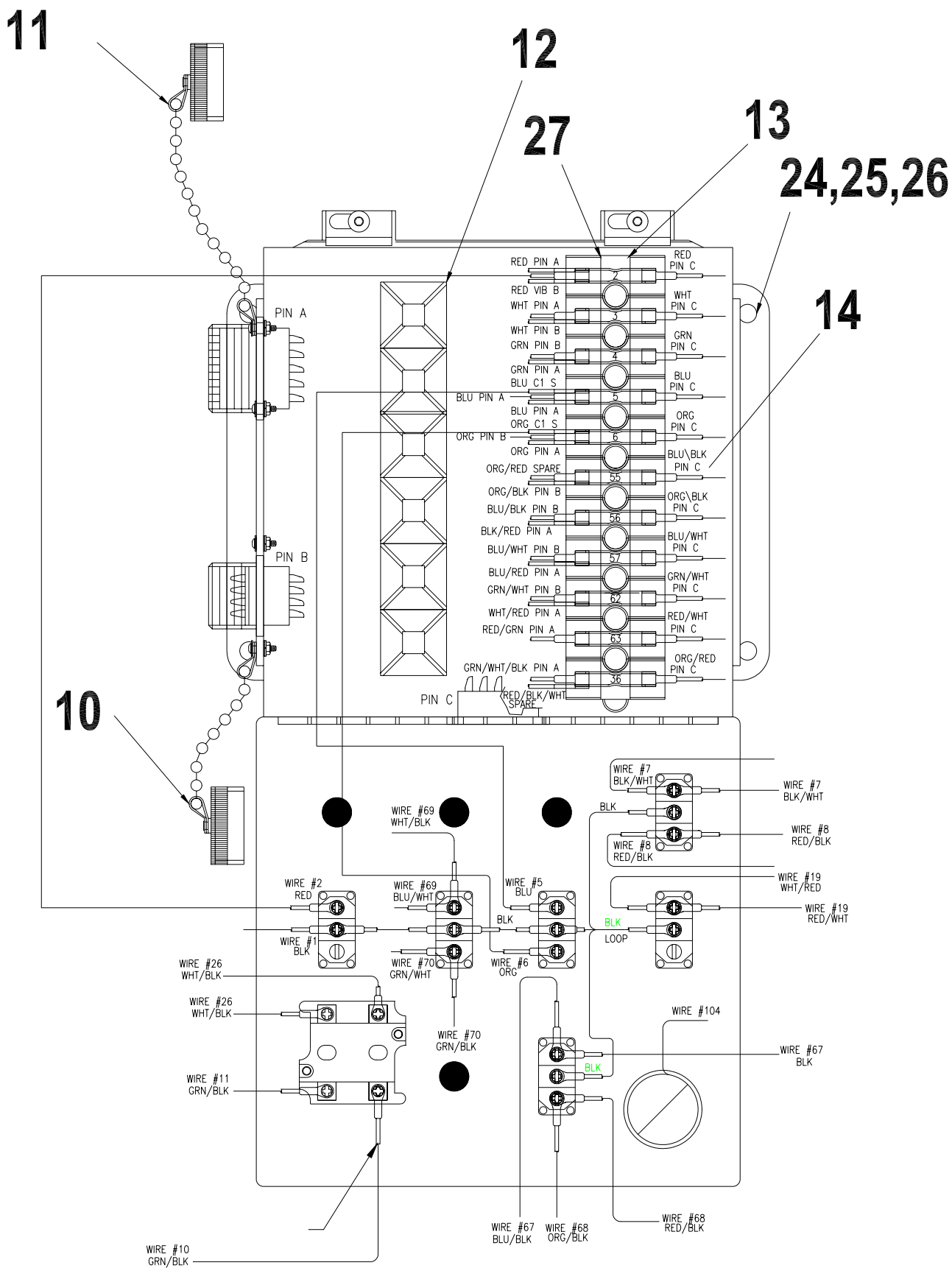
L.H. C-1 CONTROL BOX ASSEMBLY.

(200818-01)



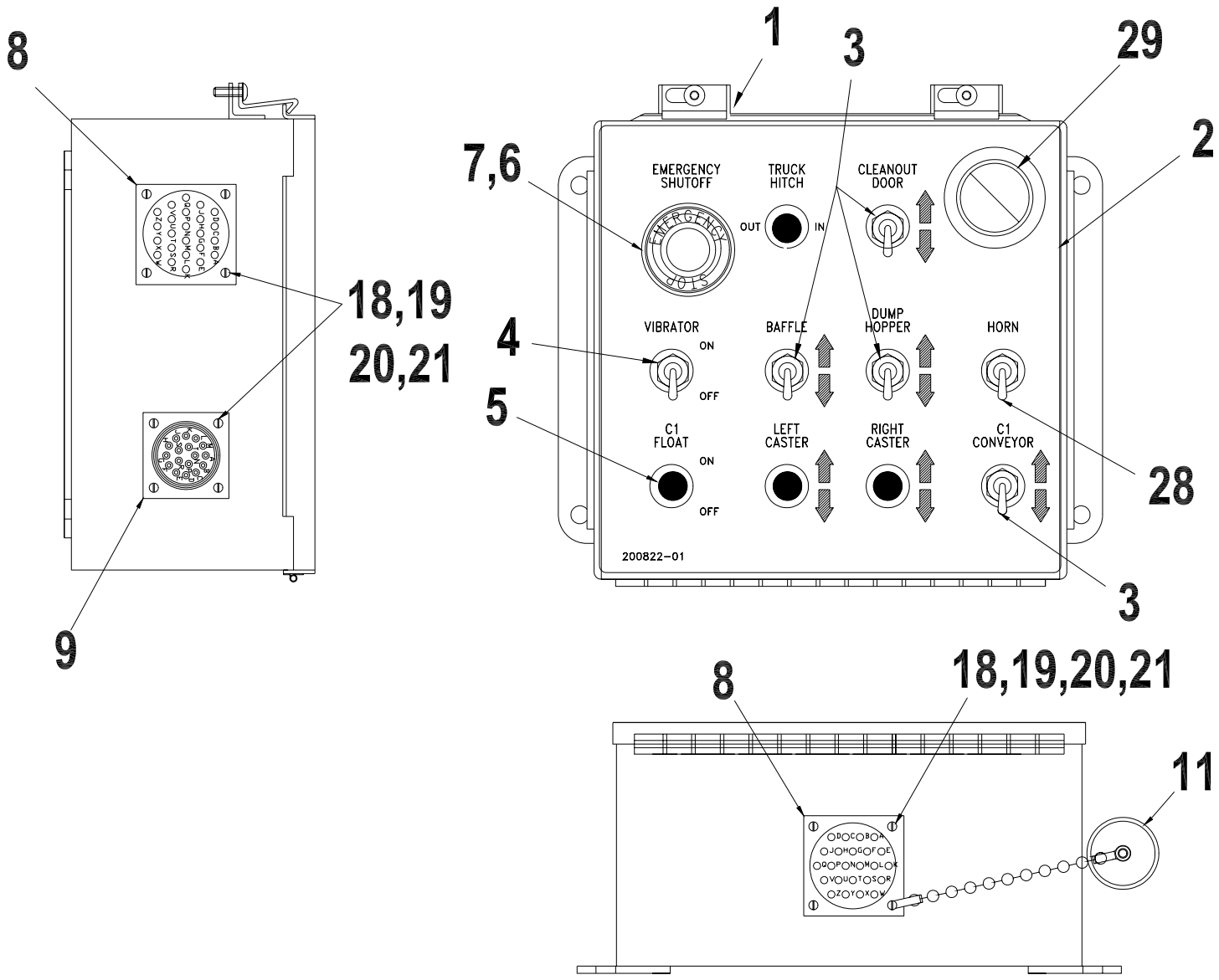
L.H. C-1 CONTROL BOX ASSEMBLY
(200818-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200828-01	L.H. C-1 CONTROL BOX	1
2	200822-01	DECAL - C-1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97944-04	HOLE PLUG 1/2"	4
6	93251-04	SWITCH - EMERGENCY STOP	1
7	93250-04	EMERGENCY STOP CONTACT BLOCK	1
8	86448-04	24 PIN RECEPTACLE	1
9	93253	16 GA. TERMINAL RING (NOT SHOWN)	19
10	83856-04	WIRE TIE - 3/16" X 4" NYLON	16
11	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	20
12	O6996	SCREW, SLOT HD. M3 - 0.5 X 20 5.8 84	4
13	O4762	NUT, HEX M3 - 0.5 GD. 8 934	4
14	92554	FLAT WASHER # 6	8
15	131551	LOCKWASHER #6	4
16	97976	ADHESIVE MOUNT	12
17	86449-04	24 PIN CAP	1
18	89988-04	BOLT, HEX 1/4 - 20 X 3/4'	4
19	84444	FLAT WASHER 1/4"	4
20	83065	LOCKWASHER 1/4"	4
21	97542	TOGGLE SWITCH	1
22	86624-03	WIRE - 25 CONDUCTOR 16 AWG	36"
23	143317-04	DOME LIGHT	1


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

R.H. C-1 CONTROL BOX ASSEMBLY.

(200817-01)

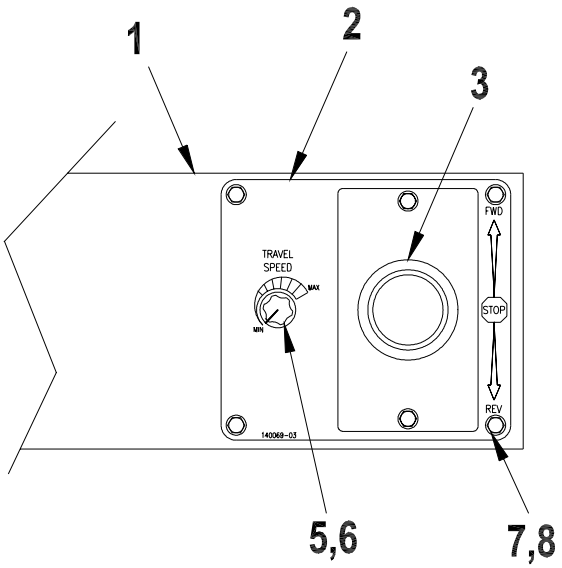


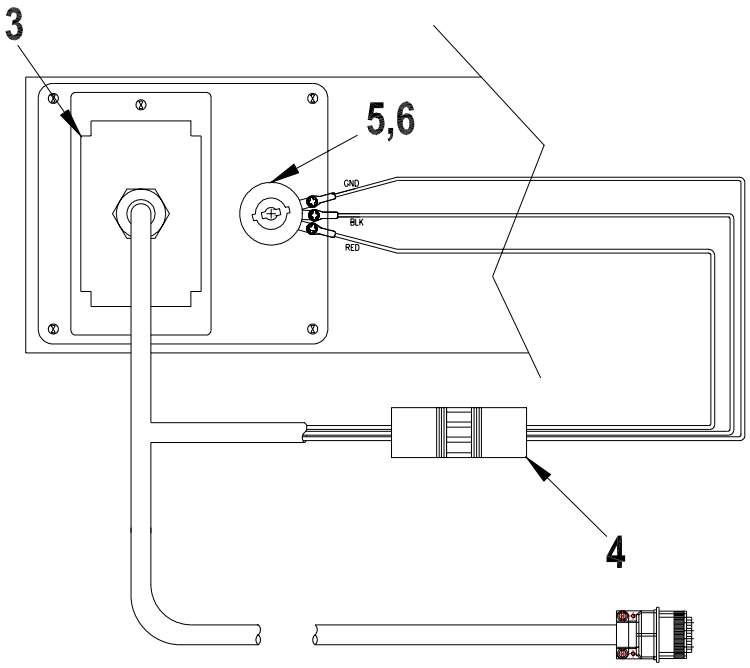
R.H. C-1 CONTROL BOX ASSEMBLY
(200817-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	200829-01	R.H. C-1 CONTROL BOX	1
2	200822-01	DECAL - C-1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97944-04	HOLE PLUG 1/2"	4
6	93251-04	SWITCH - EMERGENCY STOP	1
7	93250-04	EMERGENCY STOP CONTACT BLOCK	1
8	86448-04	24 PIN RECEPTACLE	2
9	80417-04	17 RECEPTACLE	1
10	80421-04	7 PIN RECEPTACLE CAP	1
11	86449-04	24 PIN CAP	2
12	97976	ADHESIVE MOUNT	12
13	13C69	TERMINAL BLOCK	11
14	28Y52	TERMINAL - FEM. NON-INSUL. .250	35
15	93253	16 GA. TERMINAL RING	28
16	83856-04	WIRE TIE - 3/16" X 4" NYLON	40
17	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	15
18	O6996	SCREW, SLOT HD. M3-0.5 X 20 5.8 84	12
19	O4762	NUT, HEX M3 - 0.5 GD. 8 934	12
20	92554	FLAT WASHER # 6	24
21	131551	LOCKWASHER # 6	12
22	38Z57	TERMINAL - FEM. INSUL. SPADE	4
23	97735	TERMINAL - M. INSUL. SPADE	4
24	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	4
25	84444	FLAT WASHER 1/4"	4
26	83065	LOCKWASHER 1/4"	4
27	149628-04	DATA PLATE - TERMINAL STRIP	1
28	97542	TOGGLE SWITCH	1
29	143317-04	DOME LIGHT	1
30	86624-04	WIRE - 25 CONDUCTOR 16 AWG	72"
31	84320-04	WIRE - 19 CONDUCTOR 16 AWG	36"

OPERATOR'S DRIVE CONSOLE ELECTRICAL ASSY.

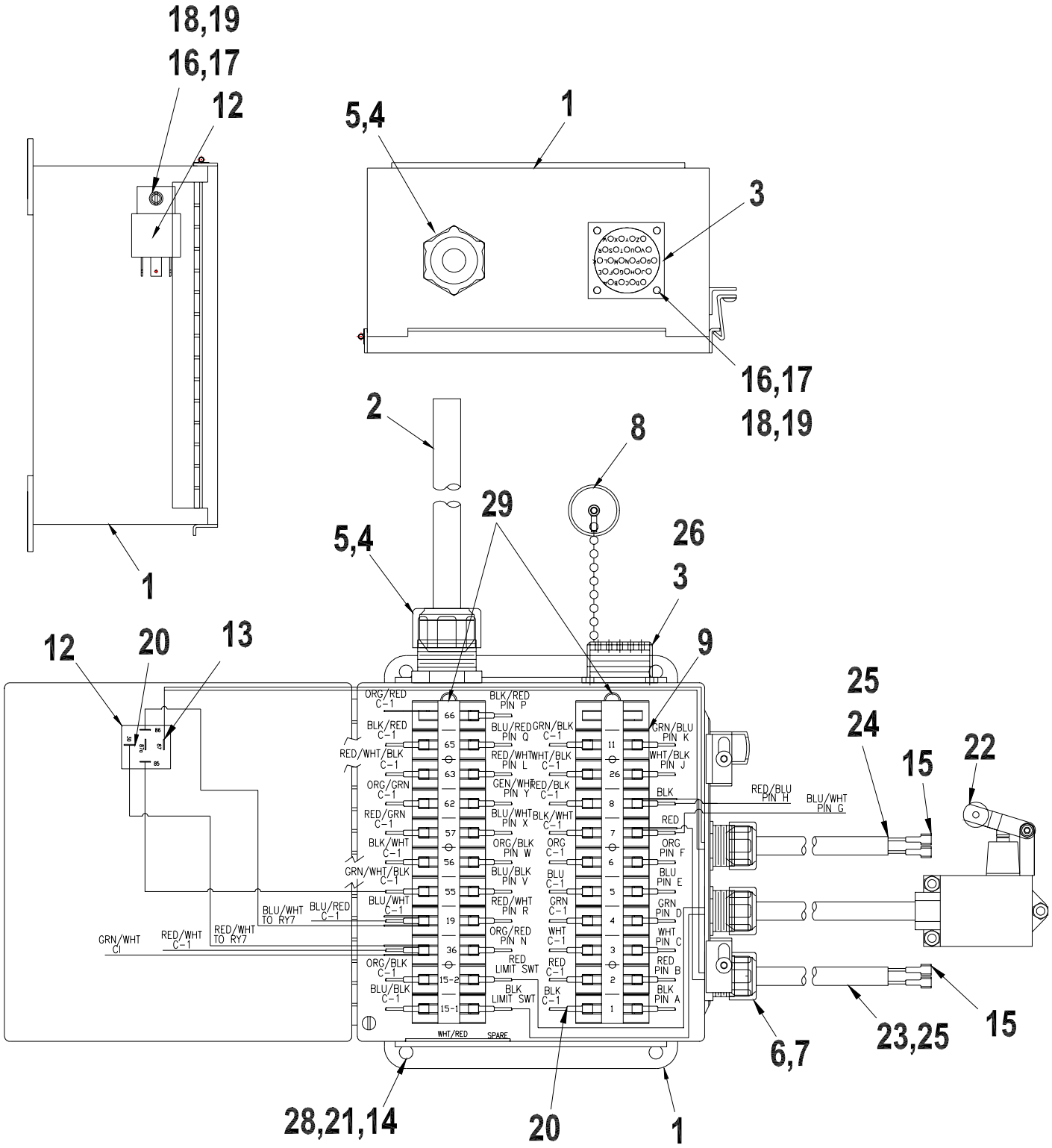
(200986-03)





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

C-1 JUNCTION BOX ASSEMBLY
(149631-02)

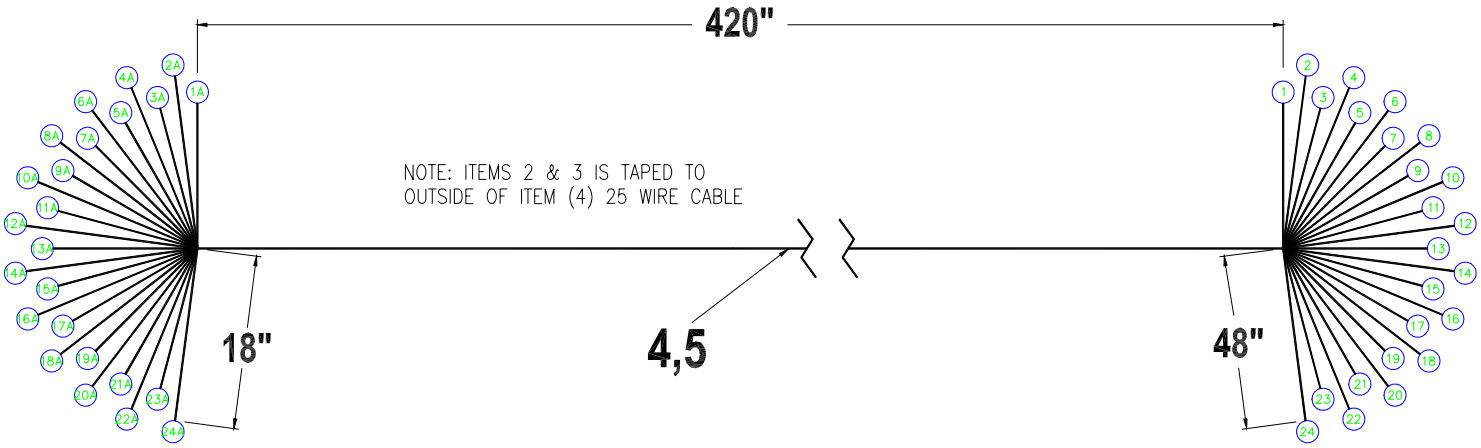


C-1JUNCTION BOX ASSEMBLY
(149631-02)

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

C-1 JUNCTION BOX HARNESS
(149637-01)

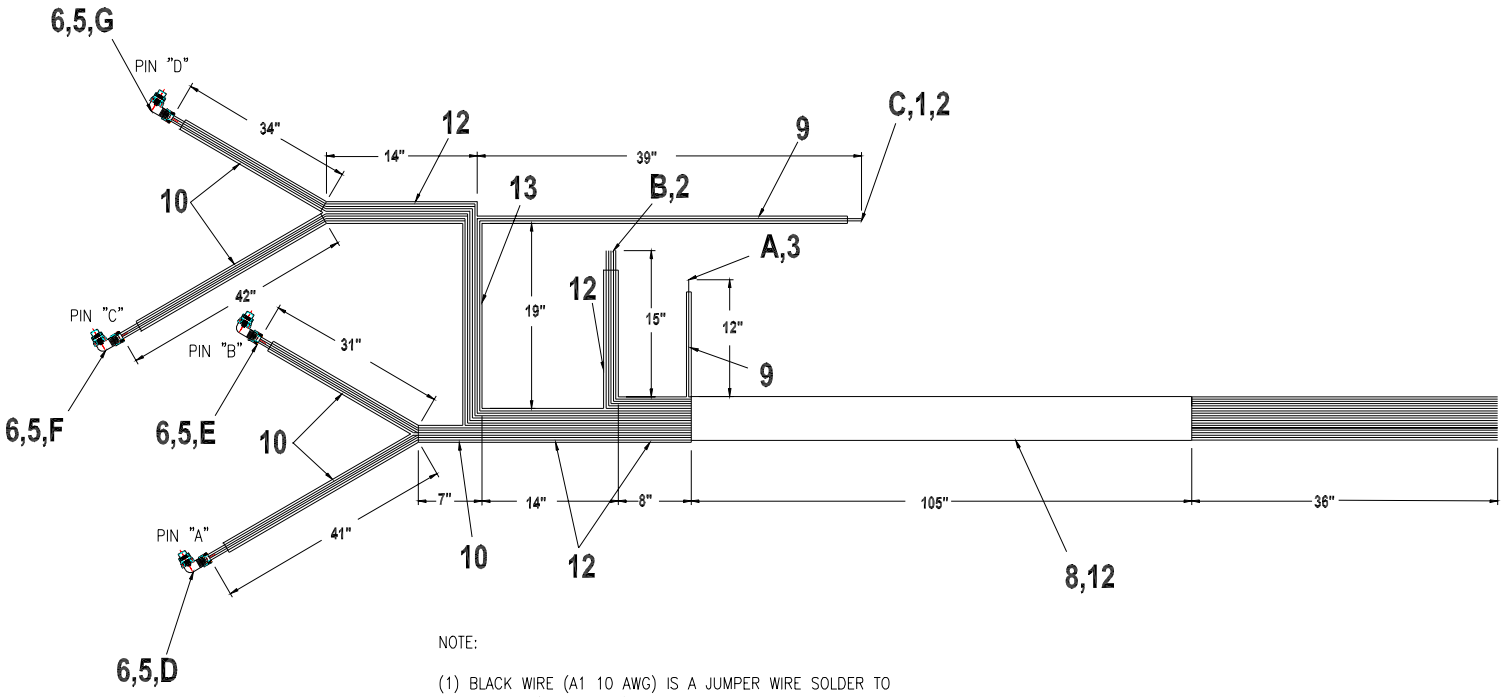
KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
1A	BLACK	1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	12 VOLTS
2A	RED	2	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	VIBRATOR
3A	WHITE	3	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DIFF LOCK
4A	GREEN	4	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	PARKING BREAK
5A	BLUE	5	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	TRUCK DUMP
6A	ORANGE	6	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	TRUCK DUMP
7A	BLACK/WHITE	7	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C1 LIFT
8A	RED/BLACK	8	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C1 LIFT
9A	WHITE/BLACK	26	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	E-STOP
10A	GREEN/BLACK	11	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	E-STOP
11A	BLUE/BLACK	15-1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C2 ON
12A	ORANGE/BLACK	15-2	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C3 SWING
13A	RED/WHITE	36	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	12 VOLTS
14A	GREEN/WHITE	36	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	FLOW GATES
15A	BLUE/WHITE	19	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C3 LIFT
16A	WHITE/RED/BLACK	55	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	HORN
17A	GREEN/WHITE BLACK	56	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	12 VOLTS
18A	RED/GREEN	57	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	12 VOLTS
19A	ORANGE/GREEN	62	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	FLOW GATES
20A	RED/BLACK/WHITE	63	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C3 LIFT
21A	BLACK/RED	65	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	PARKING BREAK
22A	ORANGE/RED	66	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	FLOW GATES
23A	WHITE/RED	SPARE	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	FLOW GATES
24A	BLUE/RED	19	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C3 SWING



REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	28Y52	TERMINAL - FEMALE NON-INSULATED	48
2	95019	WIRE - STRANED #10 WHITE	420"
3	121396	ELECTRICAL FEMALE PLUG	2
4	86624-03	25 CONDUCTOR - 16 GAUGE WIRE	420"
5	98298	1" SPLIT LOOM	354"

ENGINE WIRE HARNESS

(149636-01)



NOTE:

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

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

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

PIN"A"LAY-OUT

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

PIN"B"LAY-OUT

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

PIN"C"LAY-OUT

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

PIN"D"LAY-OUT

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

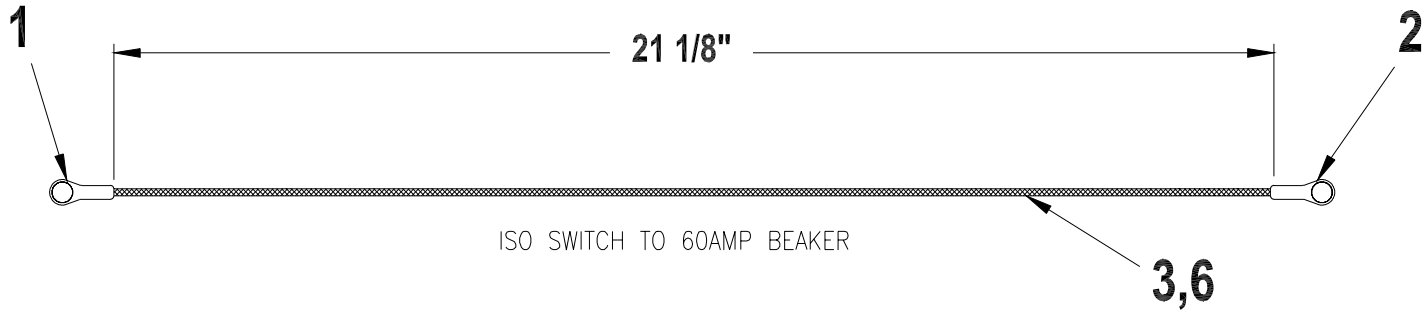
ENGINE WIRE HARNESS
(149636-01)

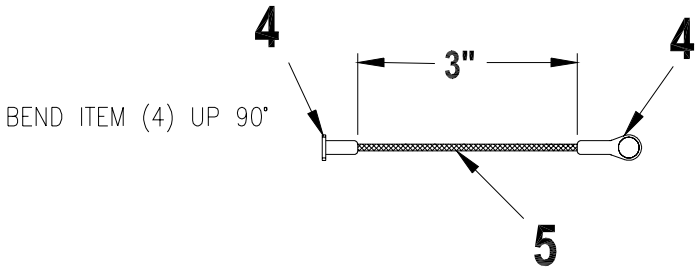
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97735	TERMINAL - FEMALE 16-14 AWG	1
2	93253	RING TERMINAL - 16 AWG	6
3	52Z09	TACK PLUG	1
4	83650-04	INSULATED FORK TERMINAL	2
5	92756-04	4 PIN 90 DEG.	4
6	86465-04	CLAMP	4
7	84320-04	19 CONDUCTOR - 16 GA. WIRE	238"
8	95021	SPLIT LOOM - 1/4"	51"
9	95020	SPLIT LOOM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

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

ROADTEC an Astec company

60 AMP BREAKER HARNESS
(146130-03)

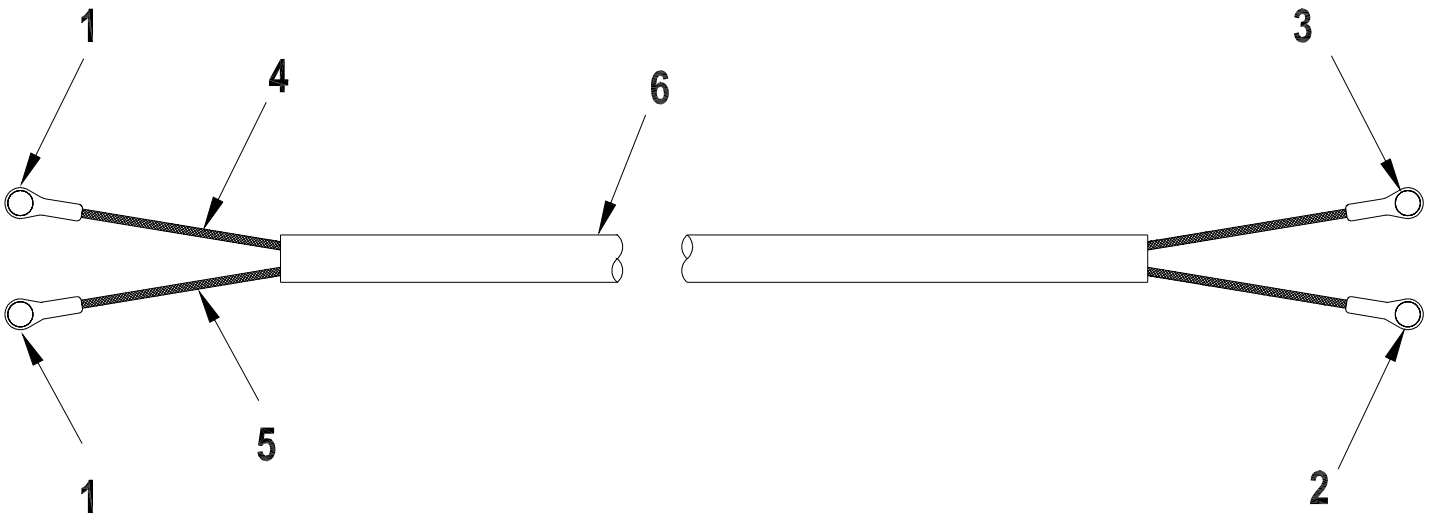




JUMPER (60 AMP TO 40 AMP BREAKER)

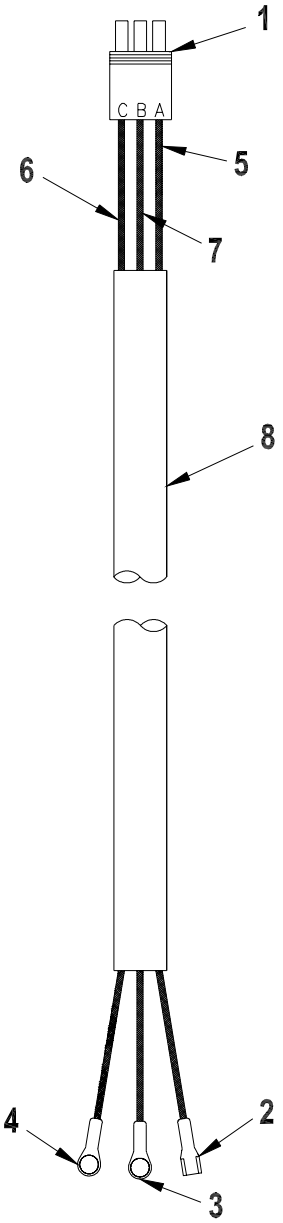
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93987-04	RING TERMINAL - 3/8"	1
2	128218	WIRE - TERMINAL 1/4" RING	1
3	95018	WIRE - 8 AWG (BLACK)	43"
4	90554	WIRE - TERMINAL #10 RING	2
5	95019	WIRE - #10 AWG (BLACK)	34"
6	95021	SPLIT LOOM - 1/4"	40"

ALTERNATOR HARNESS
(146132-03)



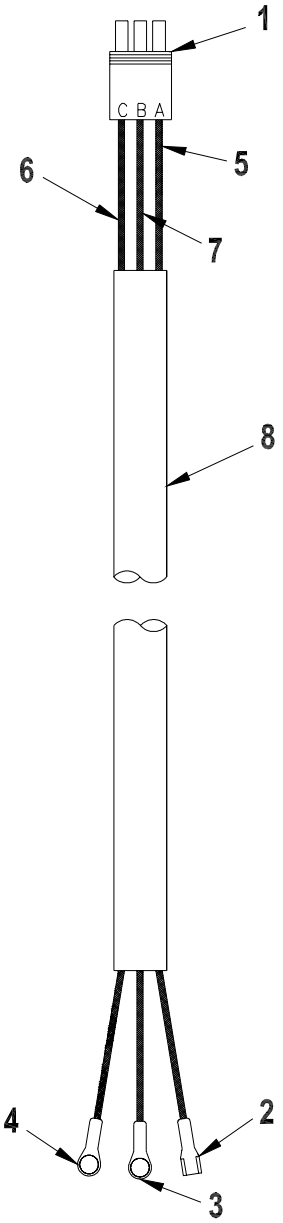
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93987-04	WIRE - TERMINAL 3/8" RING	2
2	128218	WIRE - TERMINAL 1/4" RING	1
3	93986	WIRE - RING TERMINAL	1
4	95018	WIRE - 8 AWG (BLACK)	150"
5	95018	WIRE - 8 AWG (RED)	150"
6	95799	SPLIT LOOM - 3/8'	144"

STARTER HARNESS
(146133-03)



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

STARTER HARNESS
(146133-03)



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

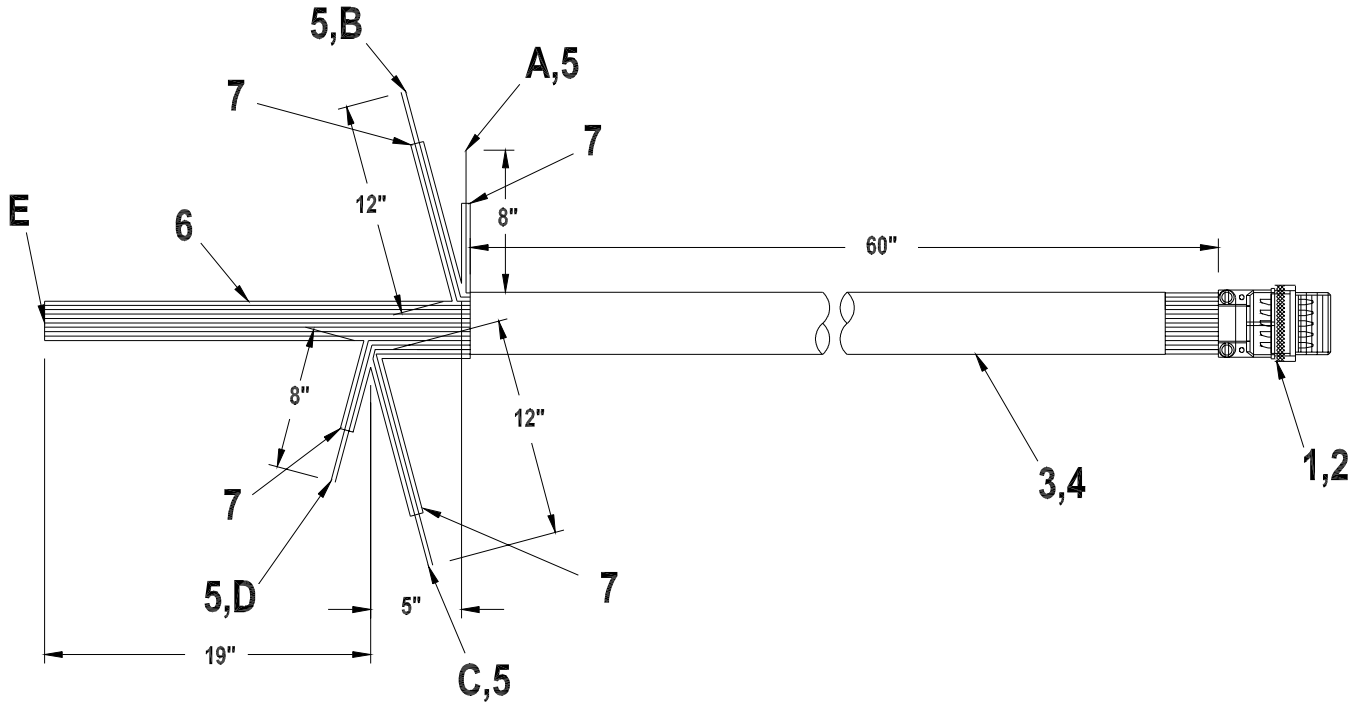
C-1 CNTL. BOX TO VALVE STACK HARNESS

(142312-03)

17 PIN LAY–OUT

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

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

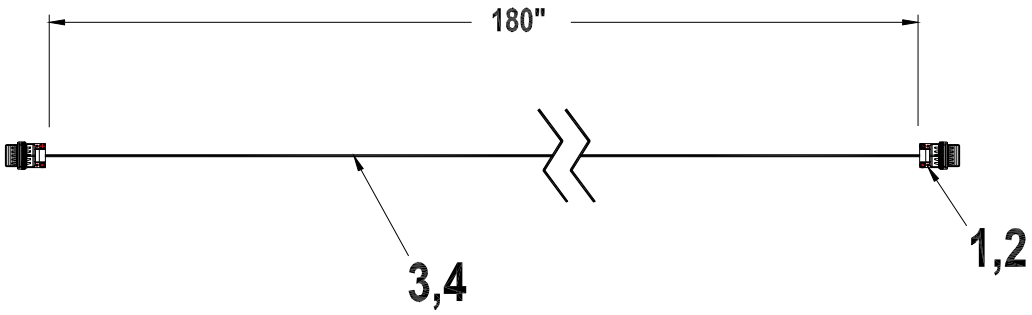


REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	80416-C2	KIT - 17 PIN PLUG	1
2	80416-C1	KIT - 17 PIN CLAMP	1
3	121103	WIRE- ALPHA 16-15	84"
4	98298	SPLIT LOOM - 1"	65"
5	28Y52	ELEC - TERMINAL FEMALE NON INSULATED .250	7
6	123097	SPLIT LOOM - 5/8"	19"
7	95021	SPLIT LOOM - 1/4"	40"

CROSSOVER HARNESS
(142311-03)

24 PIN LAY–OUT

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



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

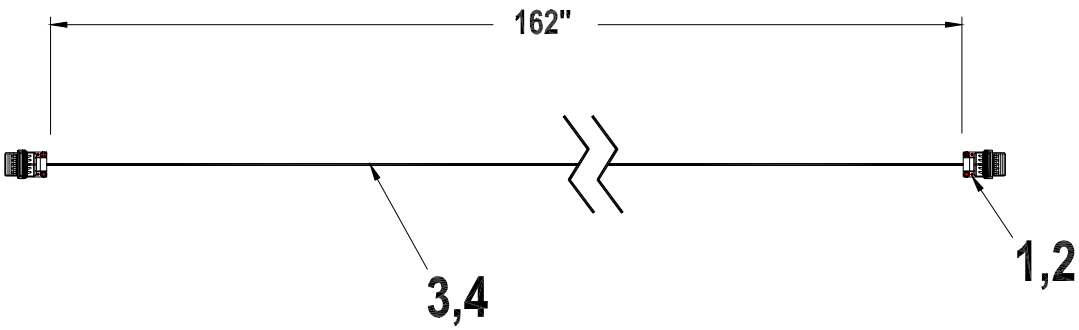
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	86450-04	ELEC - CABLE CONNECTOR 24 PIN	2
2	86451-04	ELEC - CABLE CLAMP 24 PIN	2
3	86624-03	WIRE - 16 GAUGE - 25 CONDUCTOR	180"
4	98298	SPLIT LOOM - 1"	180"

C-1 CNTL. BOX TO C-1 CNTL. BOX HARNESS

(142310-03)

24 PIN LAY-OUT

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

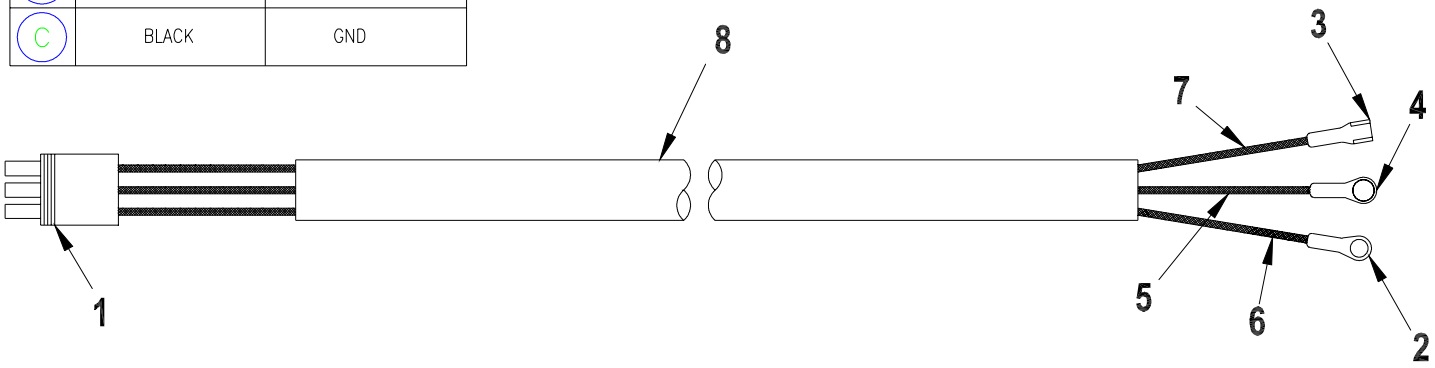


1. THIS CABLE ASSEMBLY MEETS OR EXCEEDS ALL NEC REQUIREMENTS.

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

FUEL VALVE HARNESS
(146131-03)

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



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

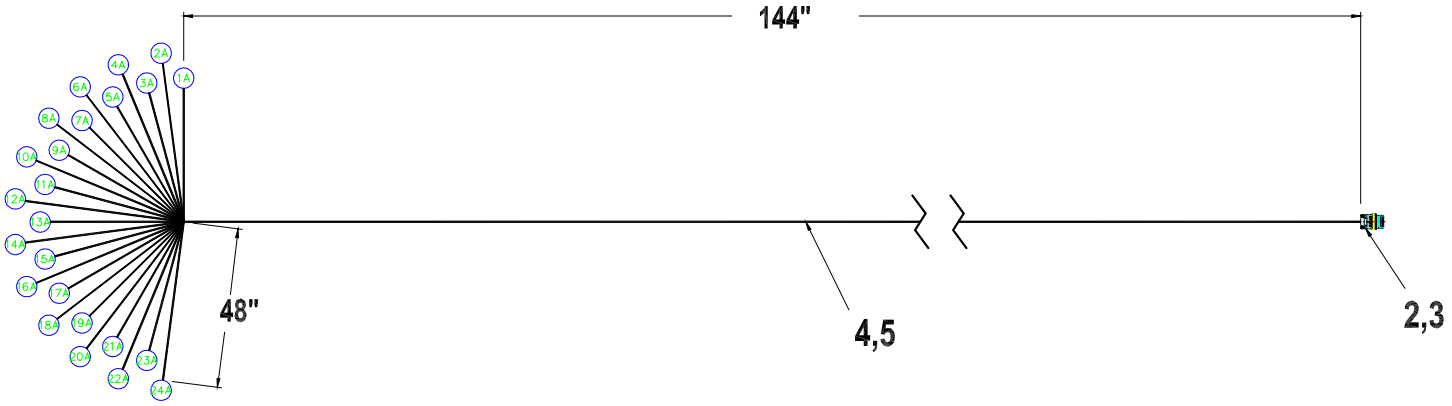
HARNESS - CABLE 4-1

(149635-01)

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
1A	ORANGE/BLACK	51	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
2A	BLACK/RED	109	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
3A	ORANGE/RED	38-1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
4A	BLUE	34	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
5A	ORANGE	3	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	DUMP HOPPER
6A	WHITE/BLACK	56	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	E-STOP
7A	GREEN/BLACK	4	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	E-STOP
8A	WHITE	32	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	TRUCK HITCH
9A	GREEN	33	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	TRUCK HITCH
10A	BLACK	30	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	POWER
11A	RED	31	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	VIBRATOR
12A	BLUE/BLACK	52	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
13A	RED/BLACK	26	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C1 LIFT
14A	BLACK/WHITE	41	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	C1 LIFT
15A	BLUE/WHITE	51-1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
16A	GREEN/WHITE	51-2	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
17A	RED/WHITE	52-1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	HORN
18A	WHITE/RED	37-1	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
19A	BLUE/RED	36	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
20A	GREEN/WHITE BLACK	108	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
21A	RED/GREEN	57	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
22A	ORANGE/GREEN	62	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
23A	WHITE/RED/BLACK	55	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	
24A	RED/BLACK/WHITE	63	1	28Y52	TERMINAL ~ FEMALE NON INSULATE	

24 PIN LAY-OUT

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



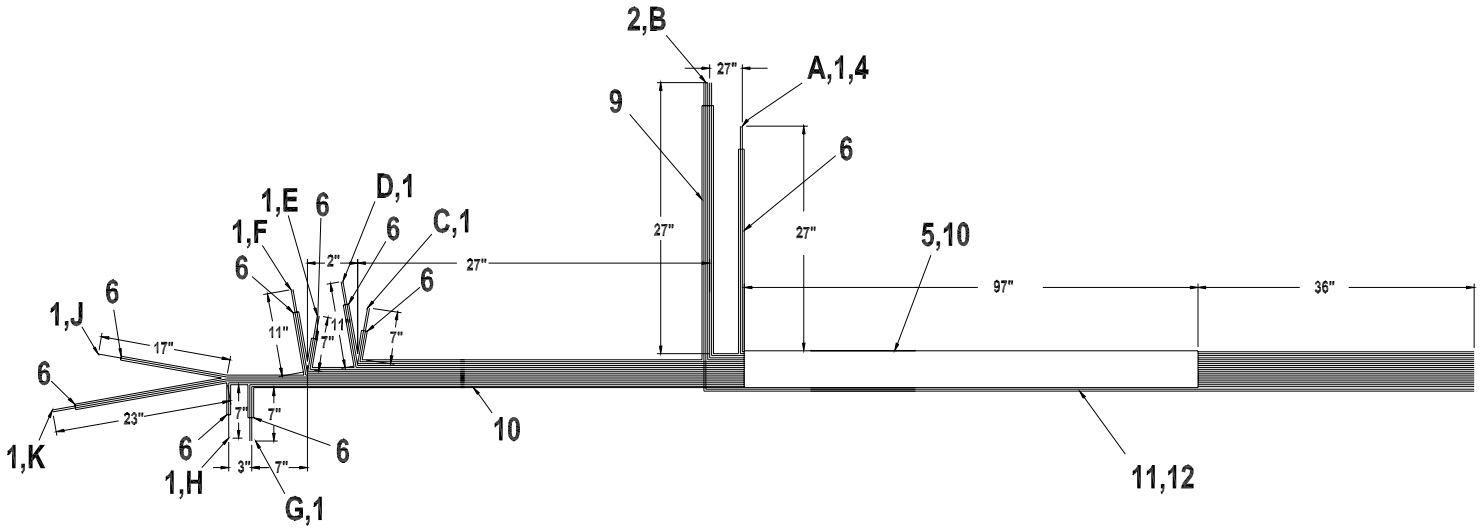
REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	28Y52	TERMINAL - FEMALE NON-INSULATED	24
2	86450-04	24 PIN LUG	1
3	86451-04	24 PIN CLAMP	1
4	86624-03	25 CONDUCTOR - 16 GAUGE WIRE	144"
5	98298	SPLIT LOOM - 1"	144"

VALVE STACK HARNESS

(148334-01)

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

NOTE: USE ON C3 VALVE STACK
CLEANOUT DOOR SWITCH
C2 LIMIT SWITCH



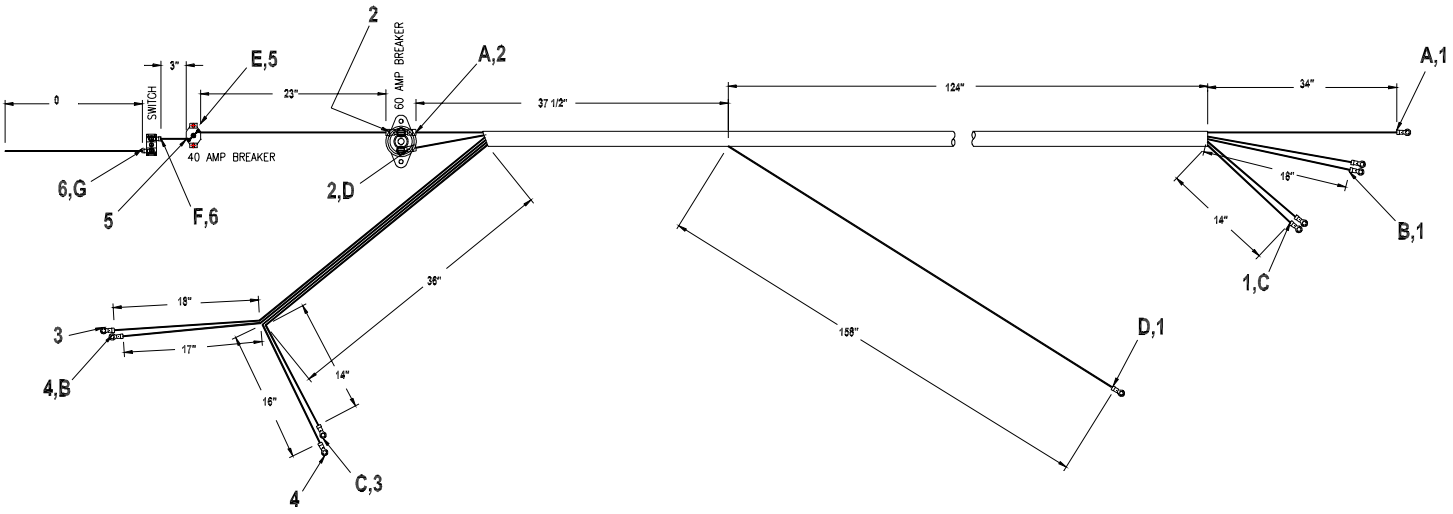
1. THIS CABLE ASSEMBLY MEETS OR EXCEEDS ALL NEC REQUIREMENTS.

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	97735	ELECTRICAL FEMALE PLUG	15
2	90990-04	RING TERMINAL 16 AWG	5
3	28Y52	FEMALE TERMINAL NON INSULATED	19
4	38Z57	MALE ELECTRICAL CONNECTOR	1
5	84320-04	19 CONDUCTOR - 16 GAUGE WIRE	230"
6	95021	SPLIT LOOM - 1/4"	105"
7			
8	95020	SPLIT LOOM - 1/2"	12"
9	123097	SPLIT LOOM - 5/8"	42"
10	98298	SPLIT LOOM - 1"	154"
11	95578	WIRE - 16GA. BLACK	168"
12	95578	WIRE - 16GA. RED	168"

MAIN BREAKER, WASHDOWN & FXS HARNESS

(141154-01)

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	RED	8 AWG	1 1	93987-04 83648-04	RING TERMINALD 3/8 RING(34" END) RING TERMINALD 1/4 RING (3 1/2" END	60 AMP BREAKER
B	BLACK	12 AWG 37	1 1	121396 121558	WIRE ~ FEMALE CUNNECTOR (18" END) WIRE ~ FEMALE INSULATED (17" END)	FXS
C	RED	12 AWG 38-2	1 1	121396 121558	WIRE ~ FEMALE CUNNECTOR (14" END) WIRE ~ FEMALE INSULATED (16" END)	FXS
D	BLACK	8 AWG	1 1	93987-04 83648-04	RING TERMINALD 3/8 RING(34" END) RING TERMINALD 1/4 RING (3 1/2" END	60 AMP BREAKER
E	BLACK	10 AWG	1 1	83648-04 90553	RING TERMINALD 1/4 RING(60 AMP END) RING TERMINALD (40 END)	60 AMP BRAEKER 40 AMP BARKER
F	RED	10 AWG	1 1	90553 98059-04	RING TERMINALD (40 AMP END) RING TERMINALD (SWITCH END)	40 AMP BRAEKER SWITCH
G	BLACK	10 AWG	1	98059-04	RING TERMINAL (SWITCH END)	SWITCH



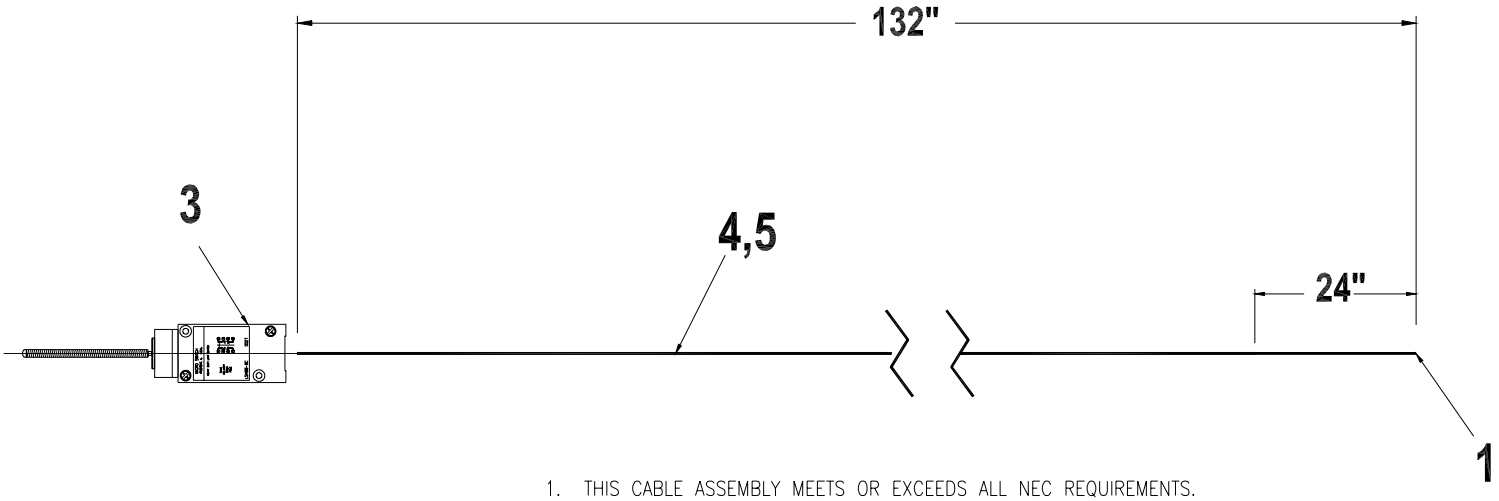
NOTE: USE ON C3 VALVE STACK
CLEAN OUT DOOR SWITCH
C2 LIMIT SWITCH

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	93987-04	3/8 RING TERMINAL	6
2	83648-04	1/4 RING TERMINAL	3
3	121396	WIRE - FEMALE CONNECTOR	2
4	121538	WIRE - FEMALE INSULATED	2
5	90553	RING TERMINAL	2
6	98059-04	RING TERMINAL	2
7	95018	WIRE - 8 AWG BLACK	199"
8	95018	WIRE - 8 AWG RED	199"
9	87856-04	WIRE - 12 AWG BLACK	232"
10	87856-04	WIRE - 12 AWG RED	228"
11	95019	WIRE - 10 AWG BLACK	39"
12	95019	WIRE - 10 AWG RED	4"
13	95021	SPLIT LOOM - 1/4"	193"
14	95799	SPLIT LOOM - 3/8"	124"
15	95020	SPLIT LOOM - 1/2"	38"

RADIATOR LIMIT SWITCH HARNESS

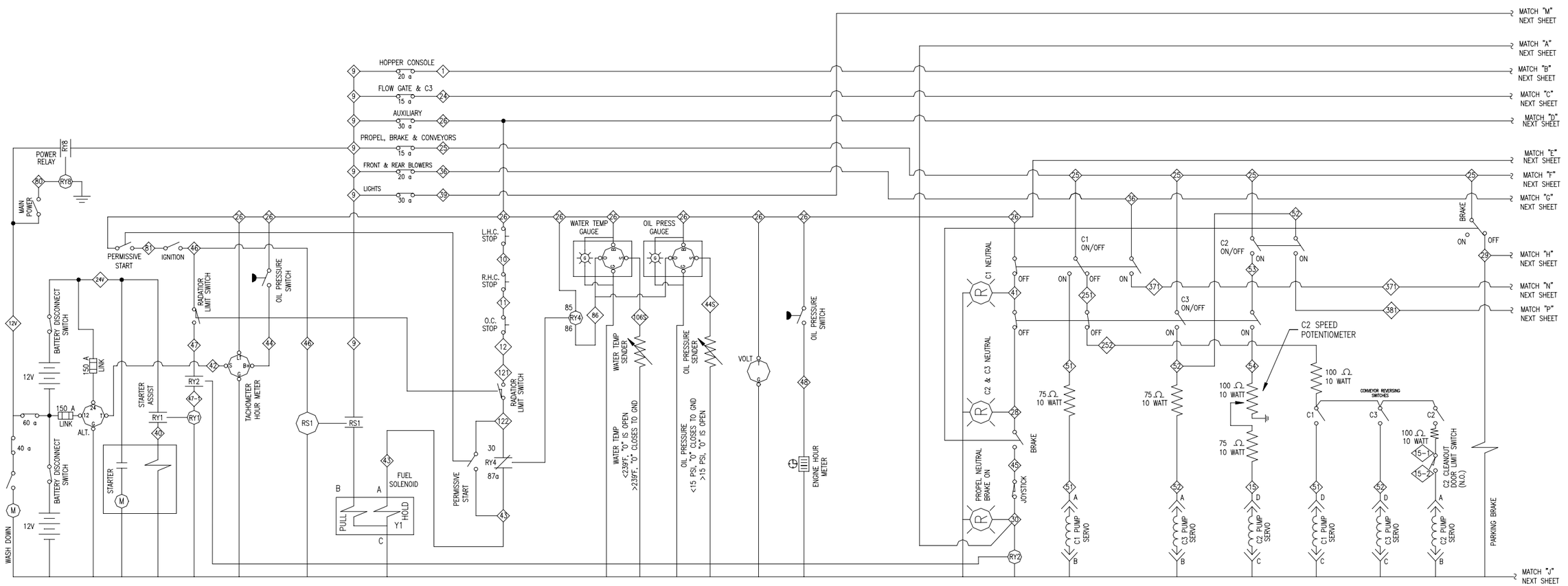
(145333-01)

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



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

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



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

RY1 – START ASSIST
RY2 – NEUTRAL START
RY4 – ENGINE SHUTDOWN
RY7 – HORN
RY8 – MAIN POWER
RY9 – LATCHING (SPEED SHIFT)
RS1 – FUEL ASSIST
(NOT LABELED) – FRONT AND REAR LIGHTS

THIS DWG REPLACES 149625-01
ECN 1166

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		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

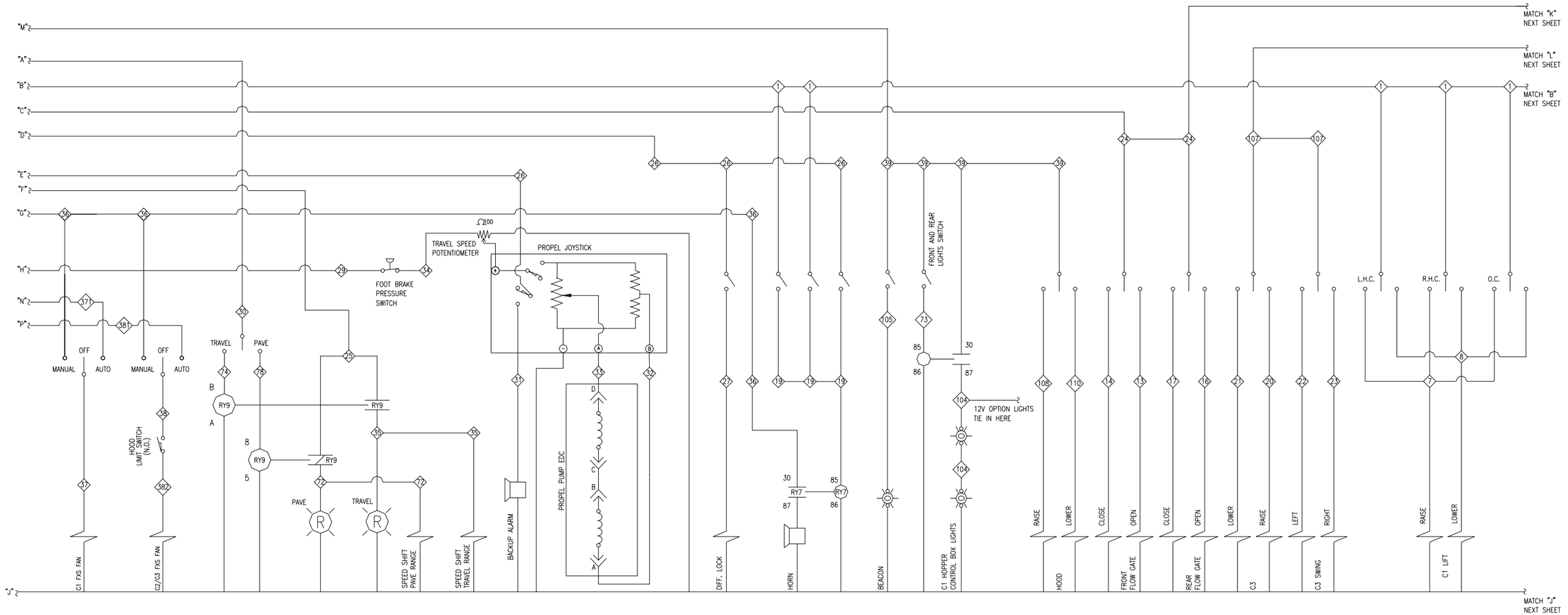
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 1 OF 3 | FAB CODE 603 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | SCALE 1=1 | DATE 5/6/02

DWG NO 200819-01 | REV. A



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

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
1		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

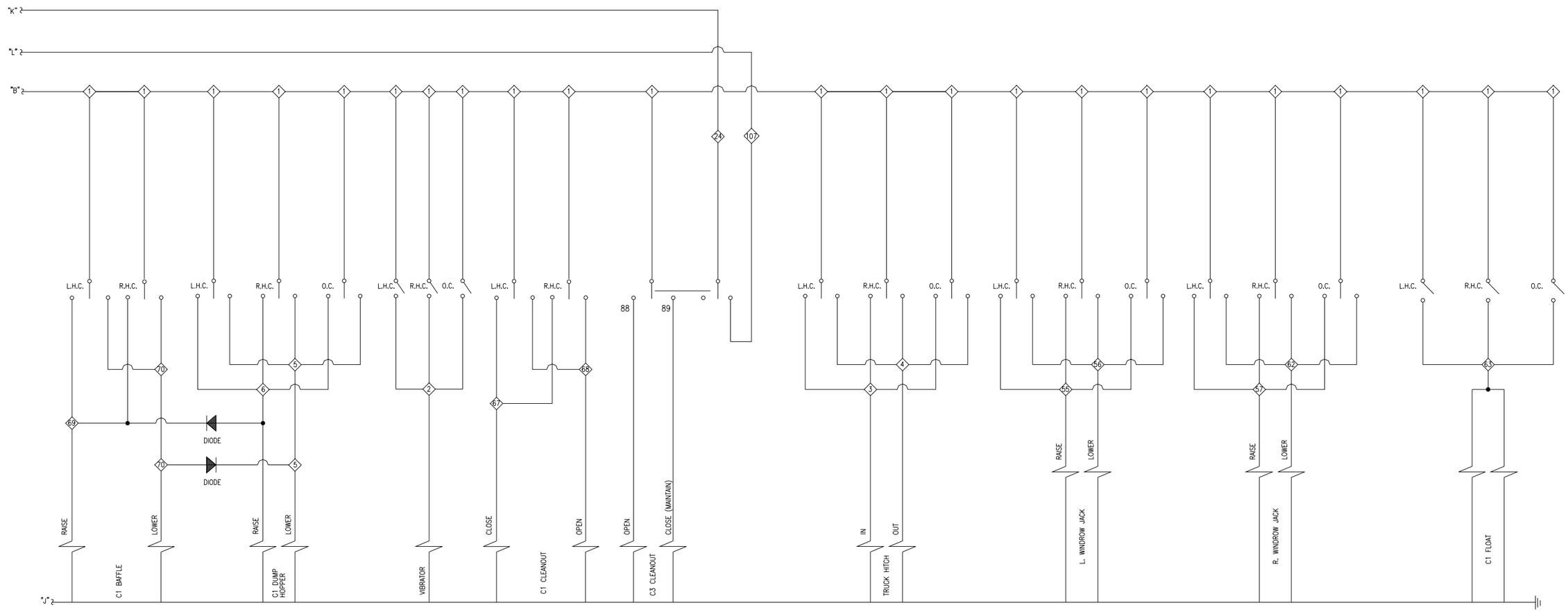
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 2 OF 3 | FAB CODE 603 | EFFECTIVE S/N 640

DRAWN BY JHB | CHECKED BY | DWG NO 200819-01 | REV. A

SCALE 1=1 | DATE 5/6/02



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

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
A		7/24/02	CHANGED REQ'D PER DESCRIPTION	JHB	

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

1 REQ'D PER SB'S | SHEET NO 3 OF 3 | FAB CODE 603 | EFFECTIVE S/N 640

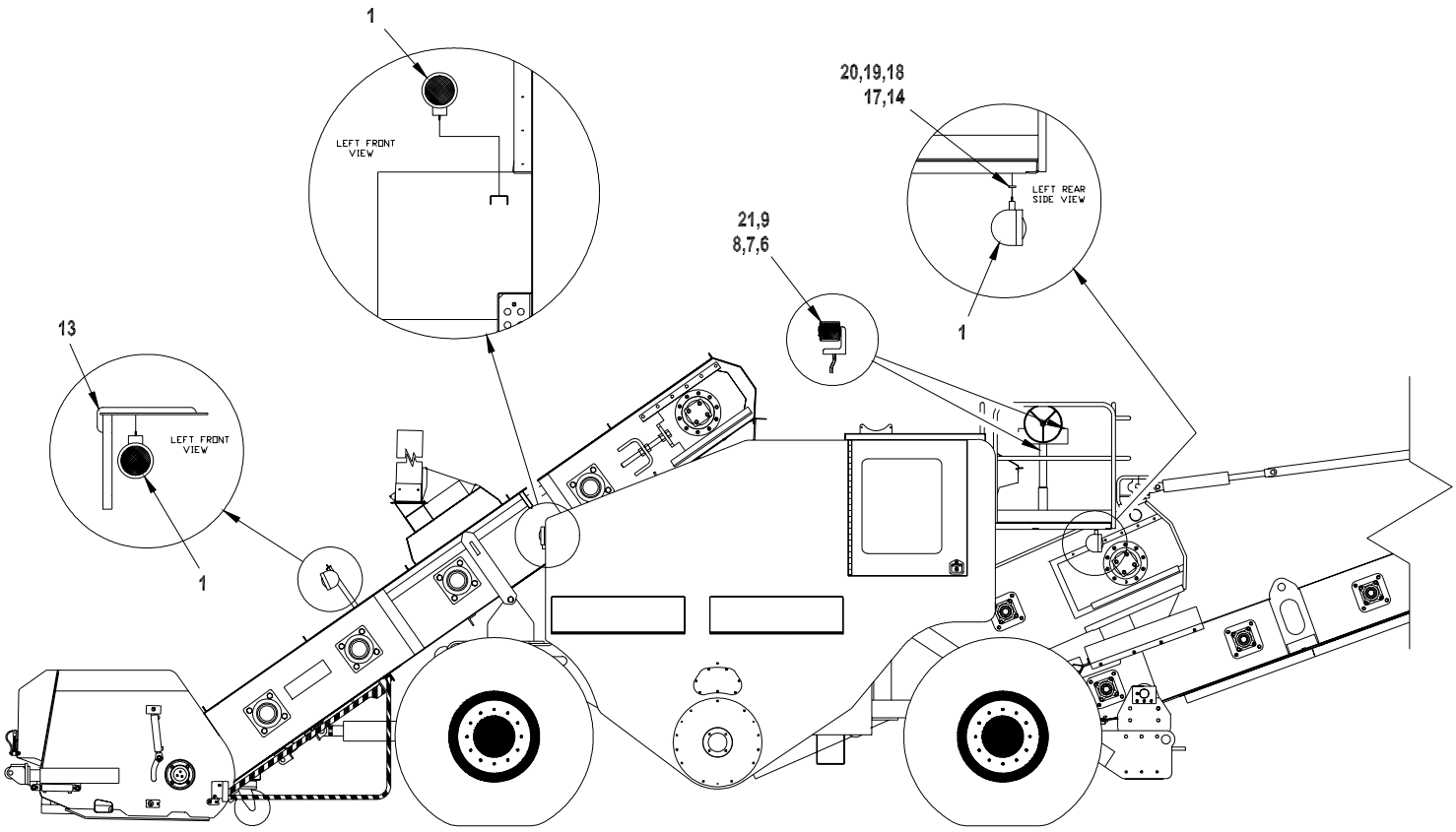
DRAWN BY JHB | CHECKED BY | DWG NO 200819-01 | REV. A

SCALE 1=1 | DATE 5/6/02

SECTION 6 : OPTIONAL EQUIPMENT

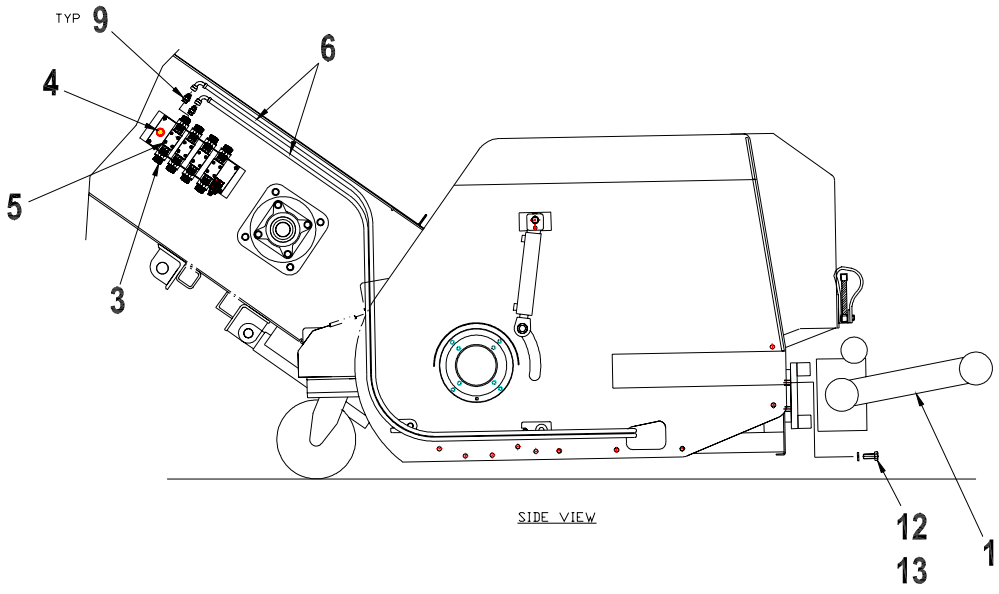
ASSEMBLY	PART NO.	S/N	PAGE NO.
12 VDC. WORKING LIGHTS	201880-01	640 & UP	6.1
TRUCK HITCH	201853-01		6.3
GENSET OUTLET EXT'N.	148267-03		6.5

12 VDC. WORKING LIGHTS OPTION
(201880-01)

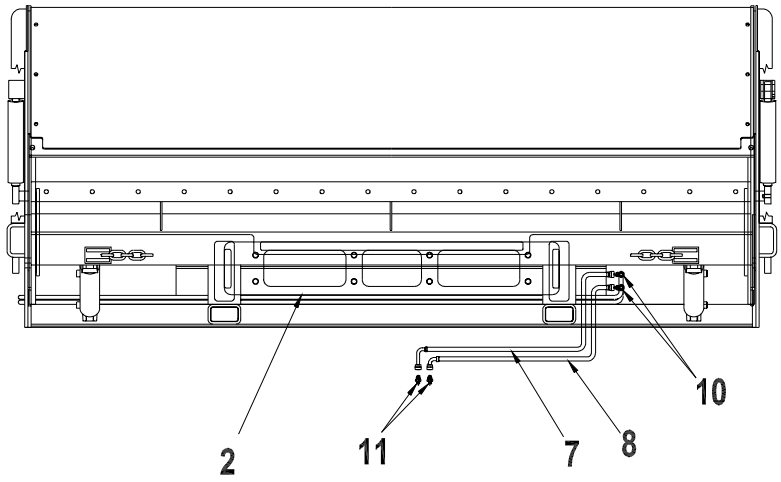


12 VDC. WORKING LIGHTS OPTION
(201880-01)

REF NO.	PART NO.	DESCRIPTION	NO. REQ'D
1	89801-04	LIGHT - HELLA LAMP 12 VDC	6
2	87856-04	WIRE - 12 GA.	720"
3	13E68	TOGGLE SWITCH	2
4	95021	SPLIT LOOM - 1/4" PLASTIC	720"
5	92523-04	CIRCUIT BREAKER -30 AMP	2
6	91207-04	SCREW, SLOT HD. 10 - 32 X 1 1/4"	4
7	90102	NUT, HEX 10 - 32 UNC	4
8	90103	LOCKWASHER # 10	4
9	92552	FLAT WASHER #10	4
10	121539	MALE CONNECTOR	4
11	121396	FEMALE CONNECTOR	2
12	93253	TERMINAL RING #16 GA. (# 10)	4
13	201210-03	C-1 MIRROR MOUNT	
14	140777-04	RR. LIGHT BRACKET (PLATFORM)	2
15	20K32	CLAMP - 1/4" WIRE LOOM	22
16	83905-04	WIRE TIE - 1/4" X 14" NYLON	50
17	83757	FLAT WASHER 3/8"	6
18	83056	LOCKWASHER 3/8"	6
19	83442	BOLT, HEX 3/8 - 16 X 1" GD. 8	2
20	144757-04	12 V. CONSOLE LIGHT	2
21	130771	CLAMP - 1/2" CUSHION TUBE (3/8" BOLT)	16
22	83114	BOLT, HEX 31/4 - 20 X 1/2' GD. 8	16
23	84444	FLAT WASHER 1/4" STEEL	16
24	83065	LOCKWASHER 1/4" SPRINTG STEEL	16

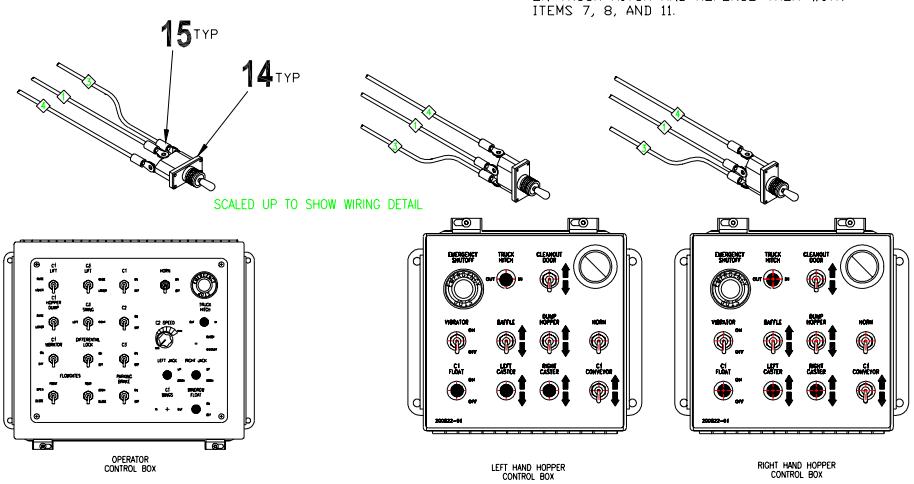


SIDE VIEW



FRONT VIEW
TRUCK HITCH NOT SHOWN

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



OPERATOR CONTROL BOX

LEFT HAND HOPPER CONTROL BOX

RIGHT HAND HOPPER CONTROL BOX

TRUCK HITCH OPTION
(201853-01)

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

GENSET OUTLET EXTENSIONS
(148267-03)

ITEMS 1 & 14 ARE DIVIDED AS FOLLOWS:

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

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

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

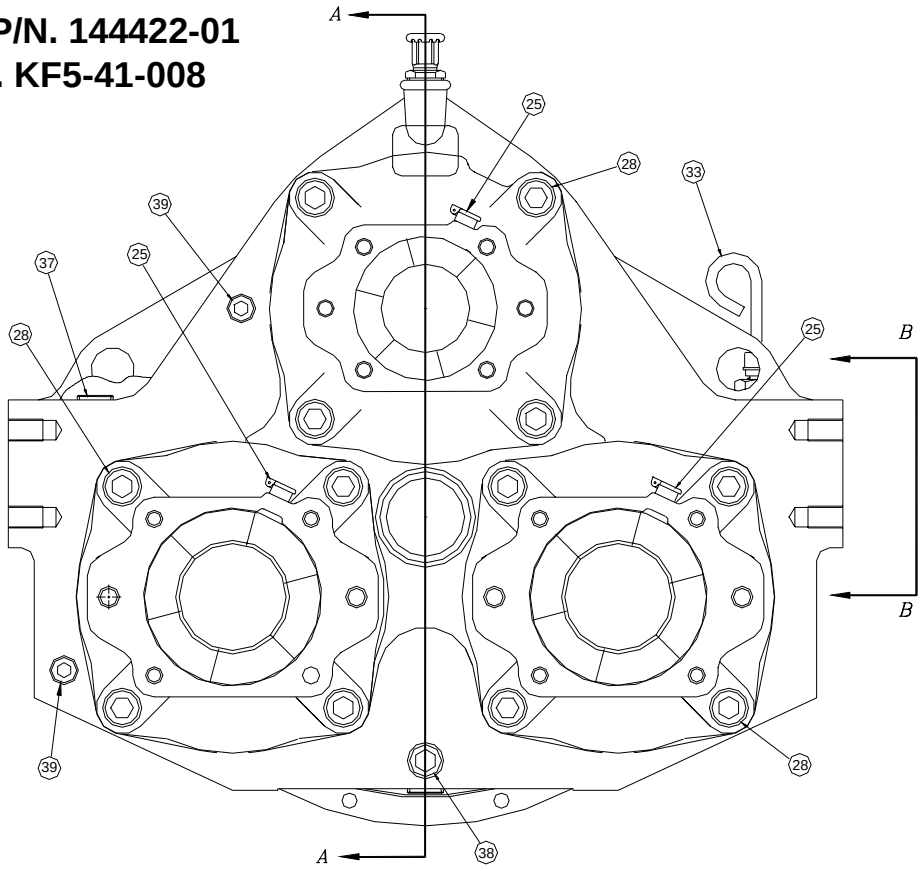
REF NO.	PART NO.	DESCRIPTION	NO. REQ’D
1	122101	FLEX CONDUIT - 3/8" SEALED X 680"	1
2	142461	FORK TERMINAL - #10 YELLOW	16
3	128940	OUTLET BOX	4
4	128939	COVER - GRAY OUTLET BOX WEATHER-PROOF	4
5	128938	DUPLEX RECEPTACLE	4
6	90554	RING TERMINAL - # 10 YELLOW	6
7	122101-C1	CONDUIT FITTING - 3/8" SEALED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

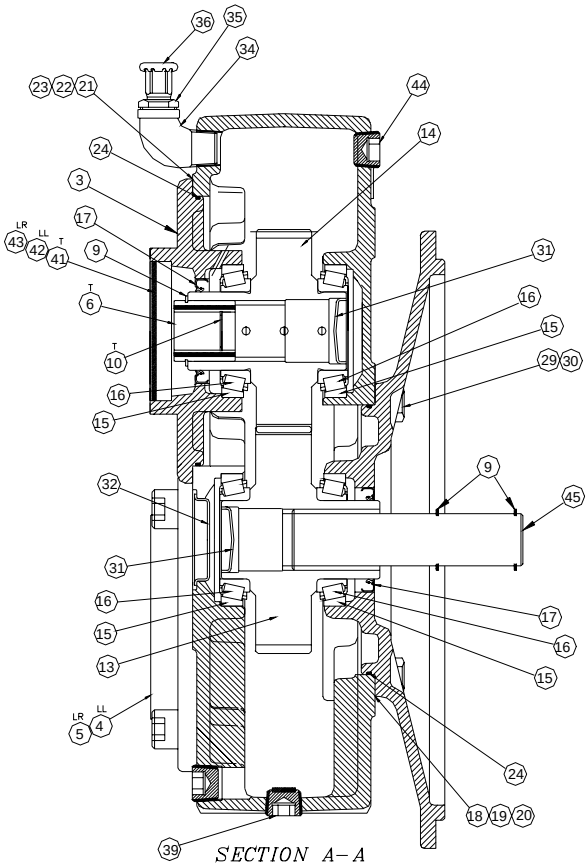
SECTION 7 : VENDOR PARTS

ASSEMBLY	PART NO.	S/N	PAGE NO.
TRIPLE PUMP DRIVE	144422-01		7.1
PUMP - CONVEYOR	99814		7.3
PUMP - DRIVE	29J94		7.4
HYD. MOTOR	137400-04		7.5
HYD. MOTOR	91681-04		7.6
HYD. PUMP	128178-04		7.7
GEARBOX	141780-01		7.9
GEARBOX	145338-01		7.11
BRAKE CALIPER	142483-03		7.13
FILTER	142799-03		7.14
FILTER	29G37		7.15
FILTER	29G38		7.16
CYLINDER	144894-01		7.17
CYLINDER	144895-01		7.18
CYLINDER	144896-01		7.19
CYLINDER	144897-01		7.20
CYLINDER	144898-01		7.21
CYLINDER	144899-01		7.22
CYLINDER	144900-01		7.23
CYLINDER	144901-01		7.24
CYLINDER	93833-02		7.25
CYLINDER	97482-01		7.26
RWM CASTER WHEEL	132001-04		7.27

ROADTEC
an Astec company

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





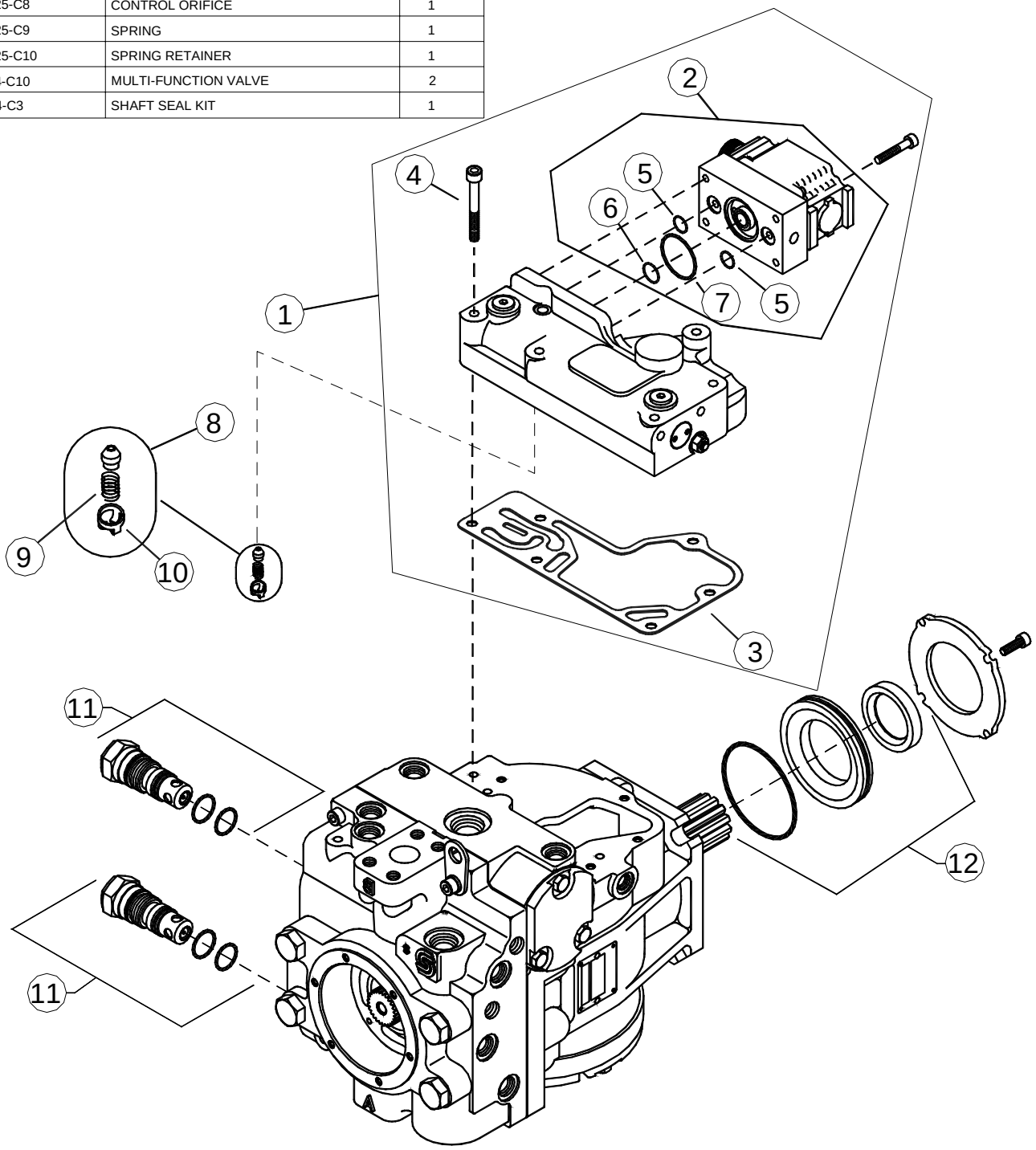
SECTION A–A

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

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

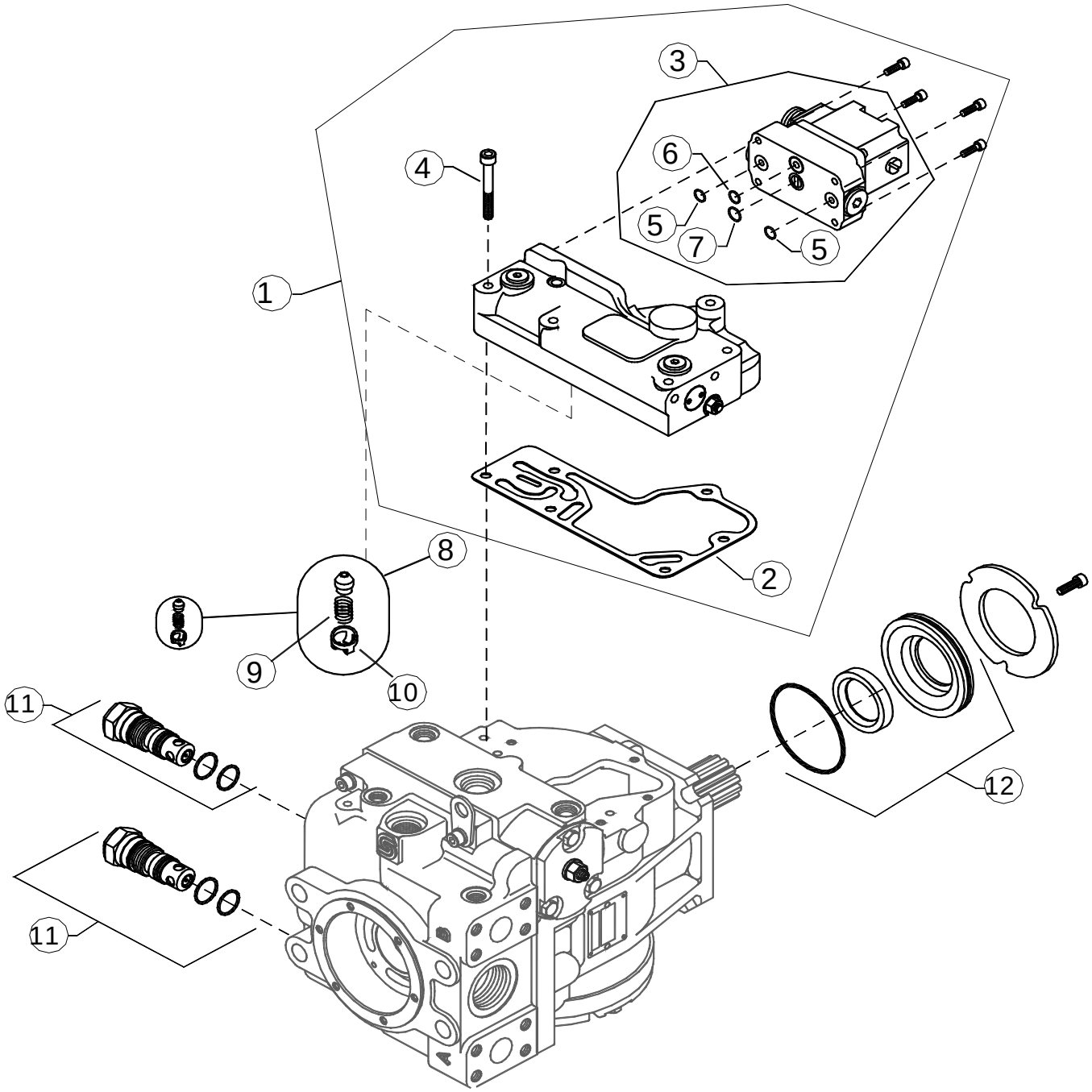
ROADTEC P/N. 99814
SAUER DANFOSS P/N. 95-2508

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



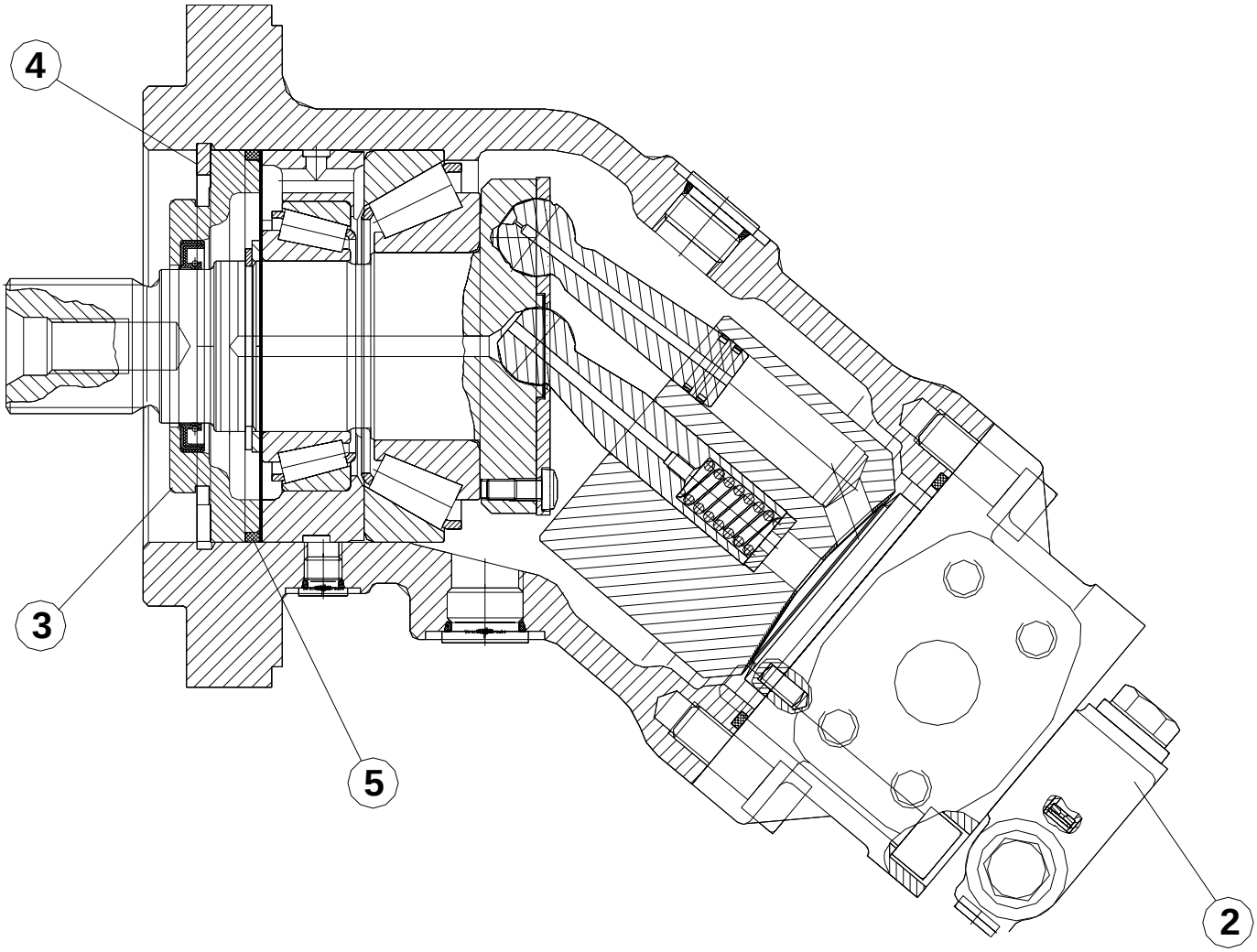
ROADTEC P/N. 29J94
SAUER DANFOSS P/N. 9521343

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



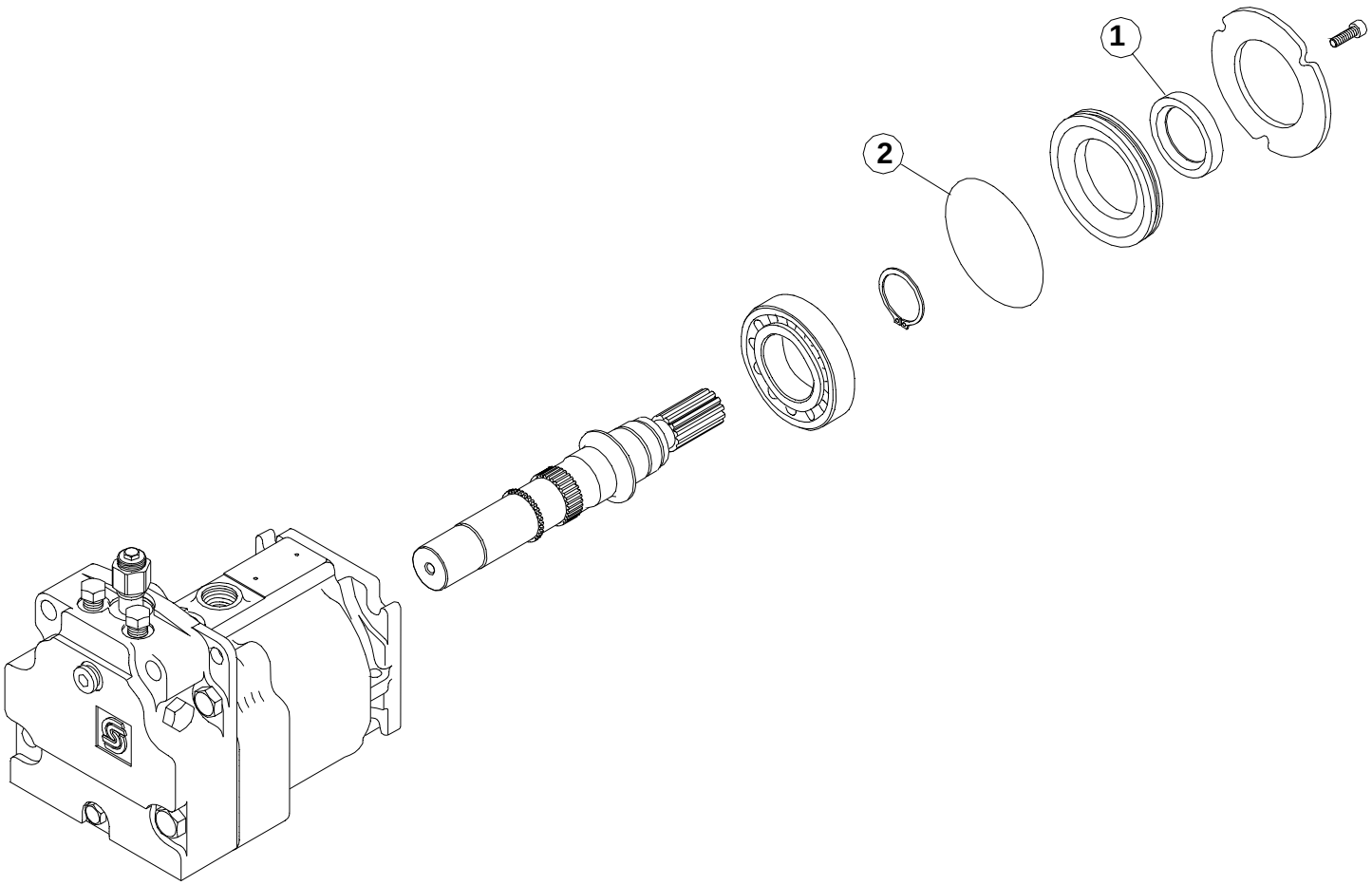
ROADTEC P/N. 137400-04
REXROTH P/N. 02030569

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



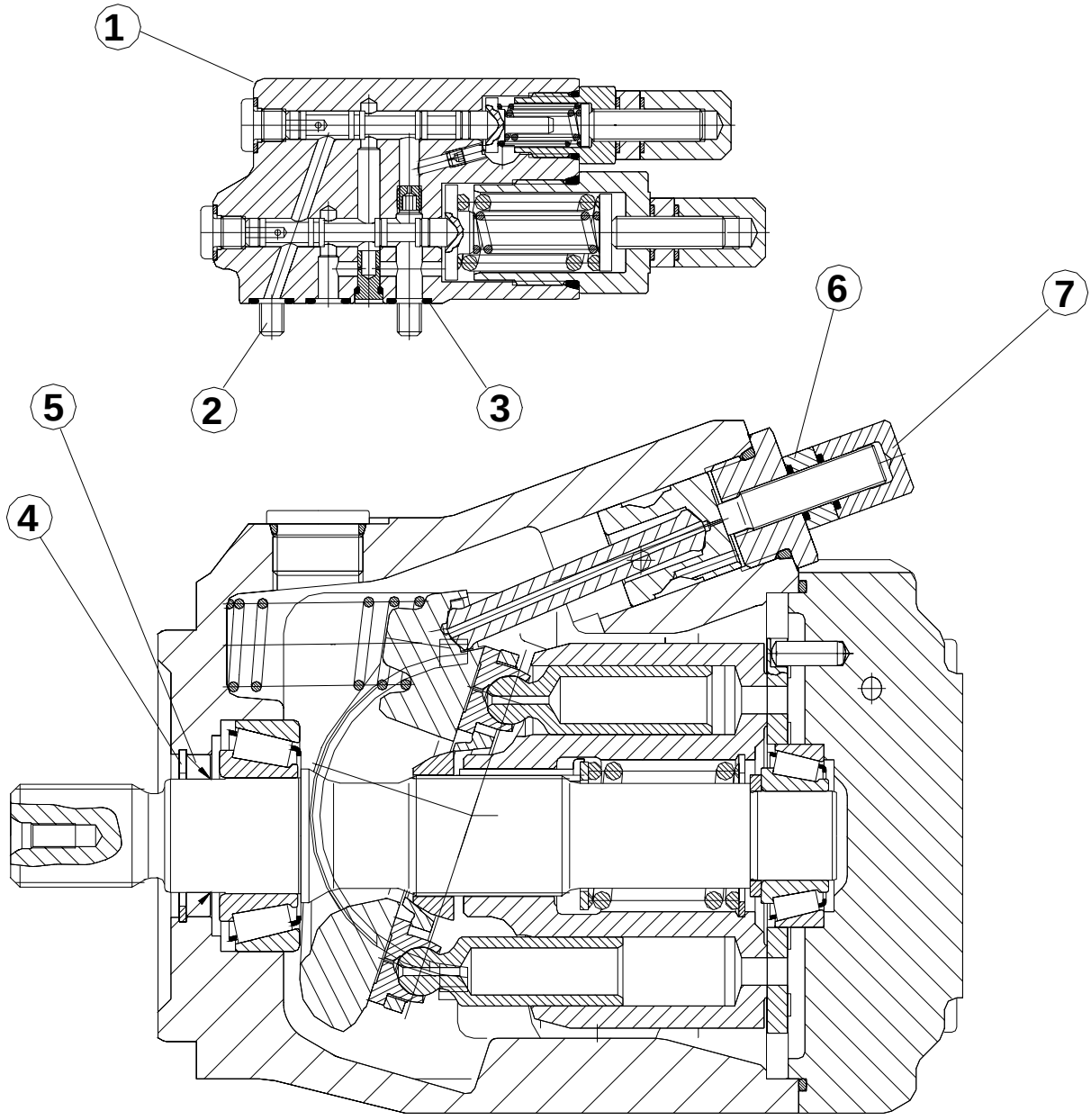
ROADTEC P/N. 91681-04
SAUER DANFOSS P/N. 94-3113

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

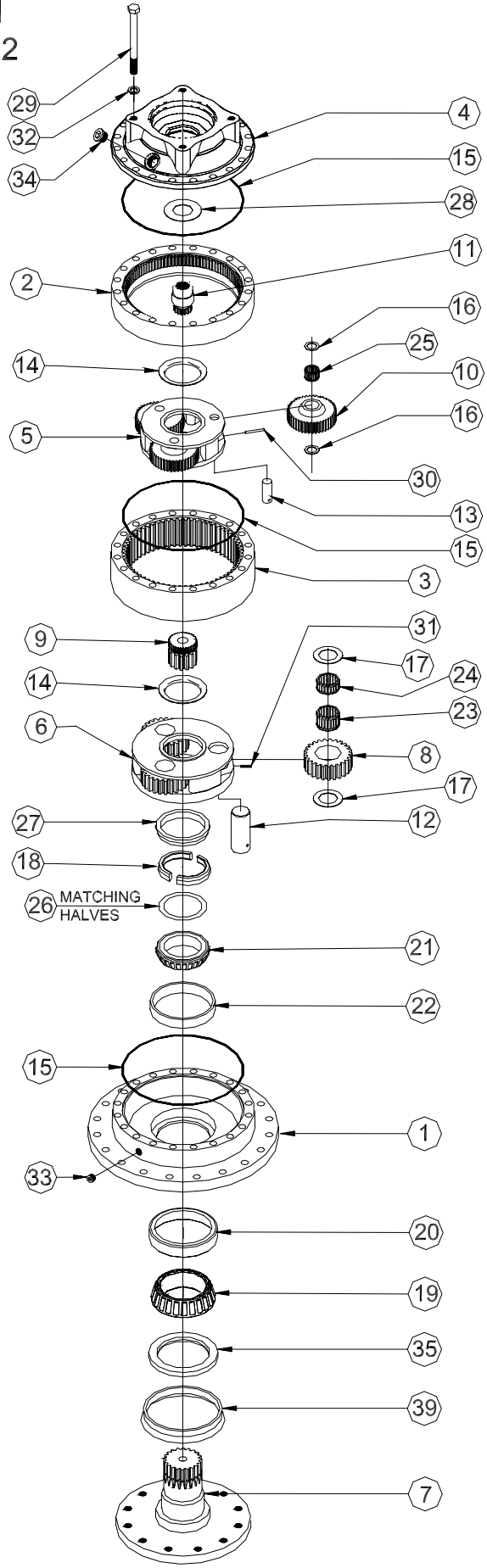


ROADTEC P/N. 128178-04
REXROTH P/N. 00978509

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



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



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

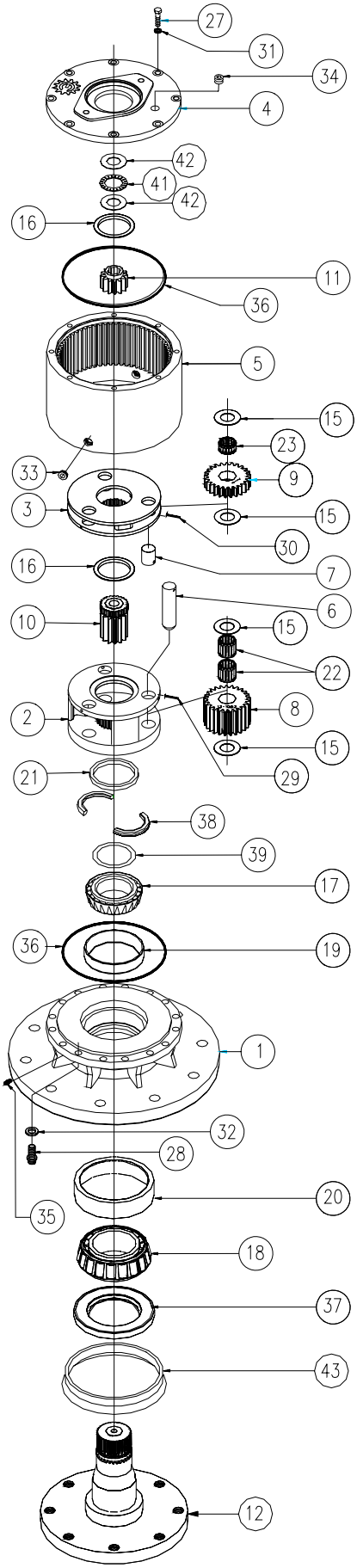
EQUIPPED WITH PATENTED "LOAD-N-LOCK®" SHAFT RETENTION SYSTEM (U.S. PATENT NO. 5746517).

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

* QUANTITY OF SHIMS DETERMINED BY BEARING PRELOAD.

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

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



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

ESKRIDGE MODEL 132L

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

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

* ( ) QUANTITY DETERMINED FROM BEARING PRELOAD.

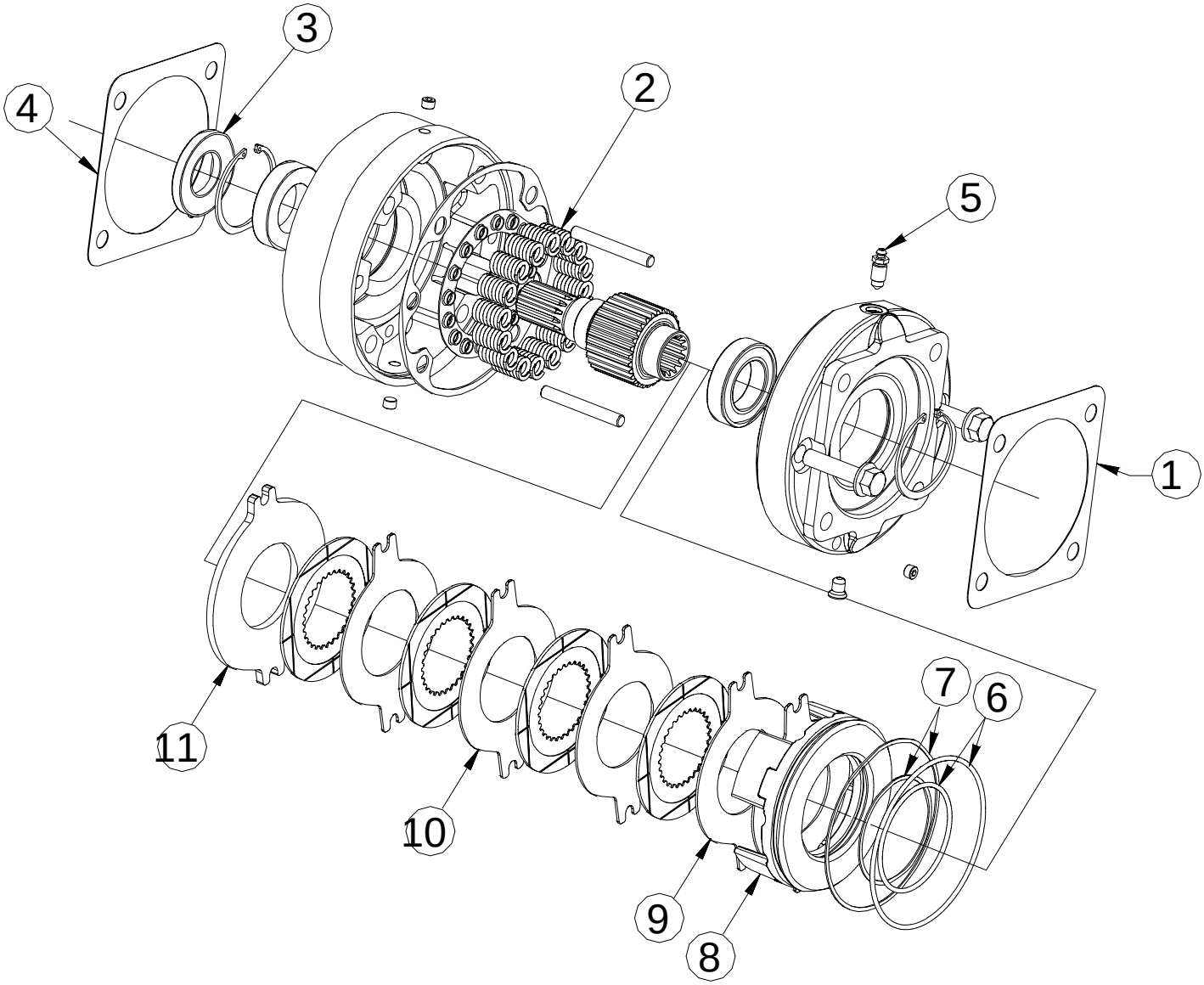
1 01-215-0040 GREASE FITTING (OPTIONAL) REPLACES ITEM NO. 35

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

ROADTEC an Astec company

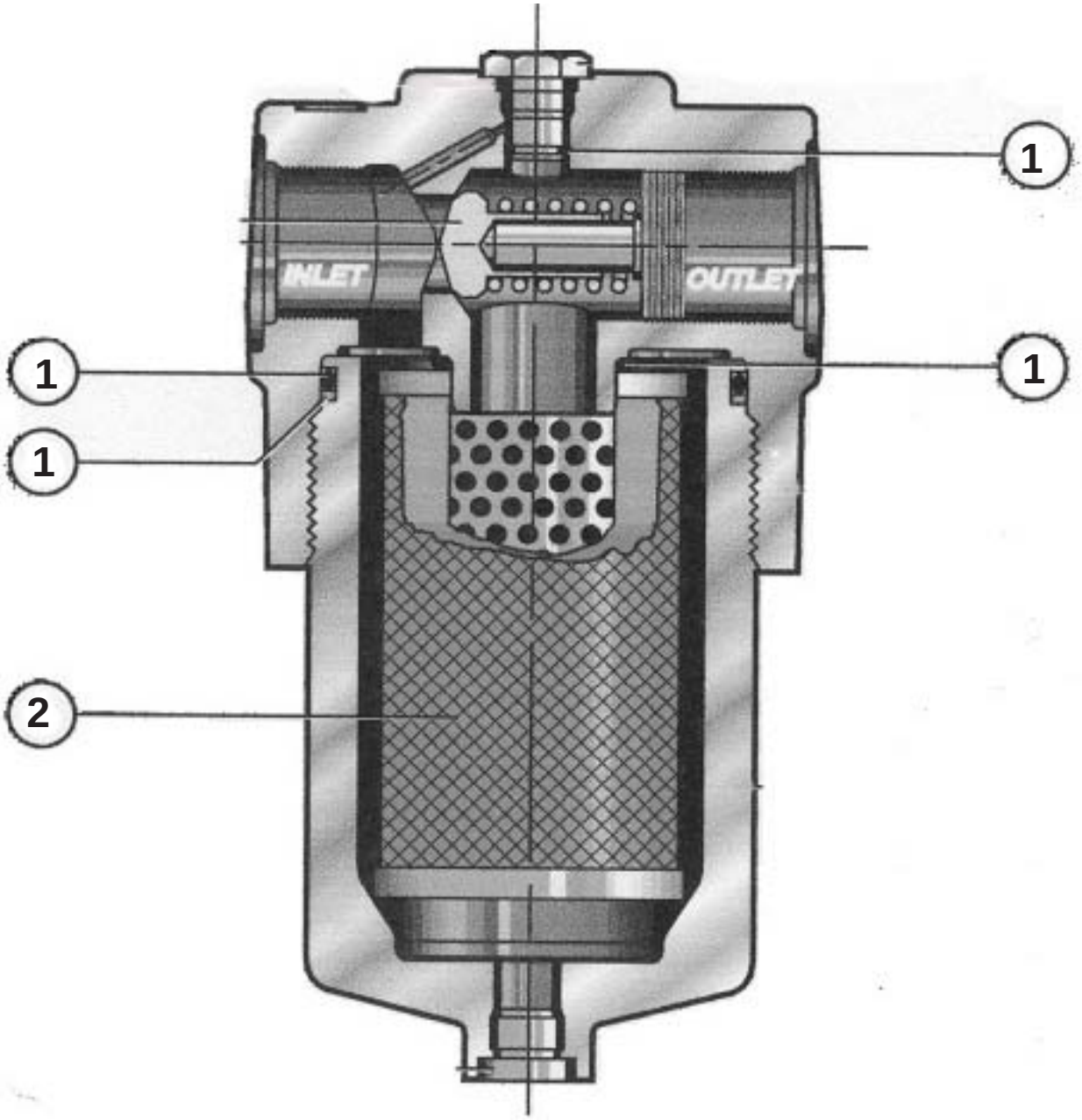
ROADTEC P/N. 142483
AUSCO P/N. 78018

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



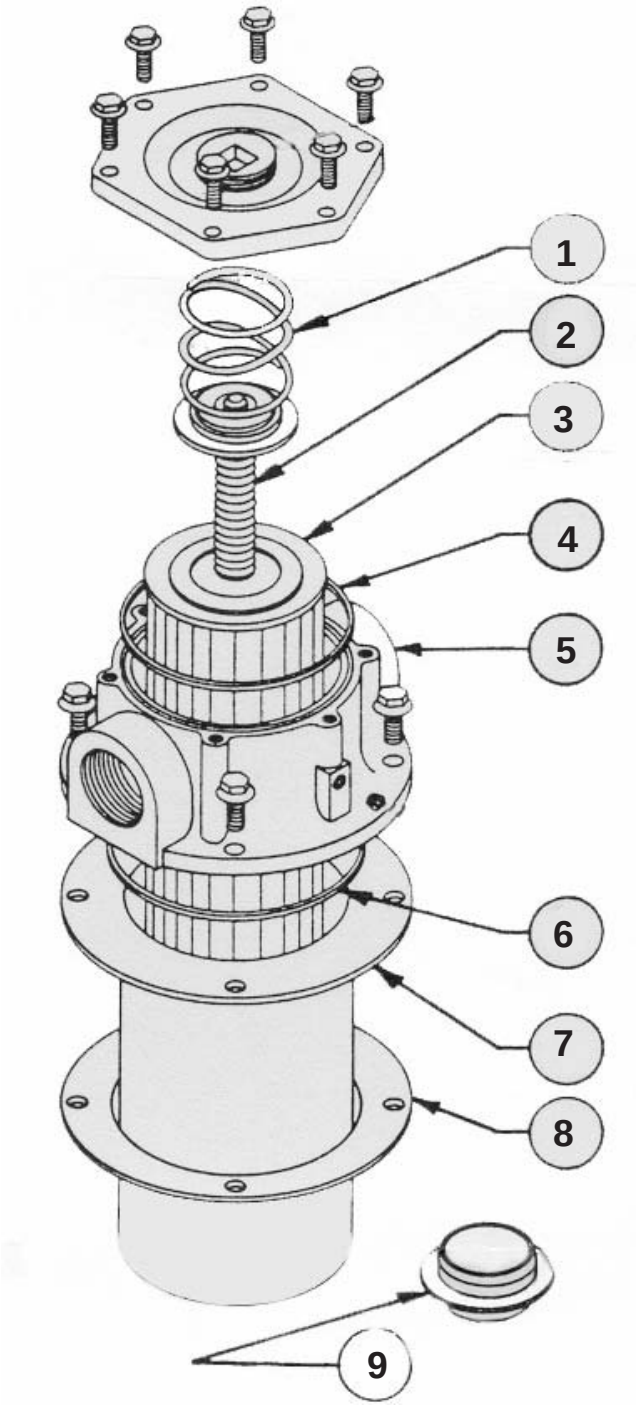
142799-03 HYDAC FILTER

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



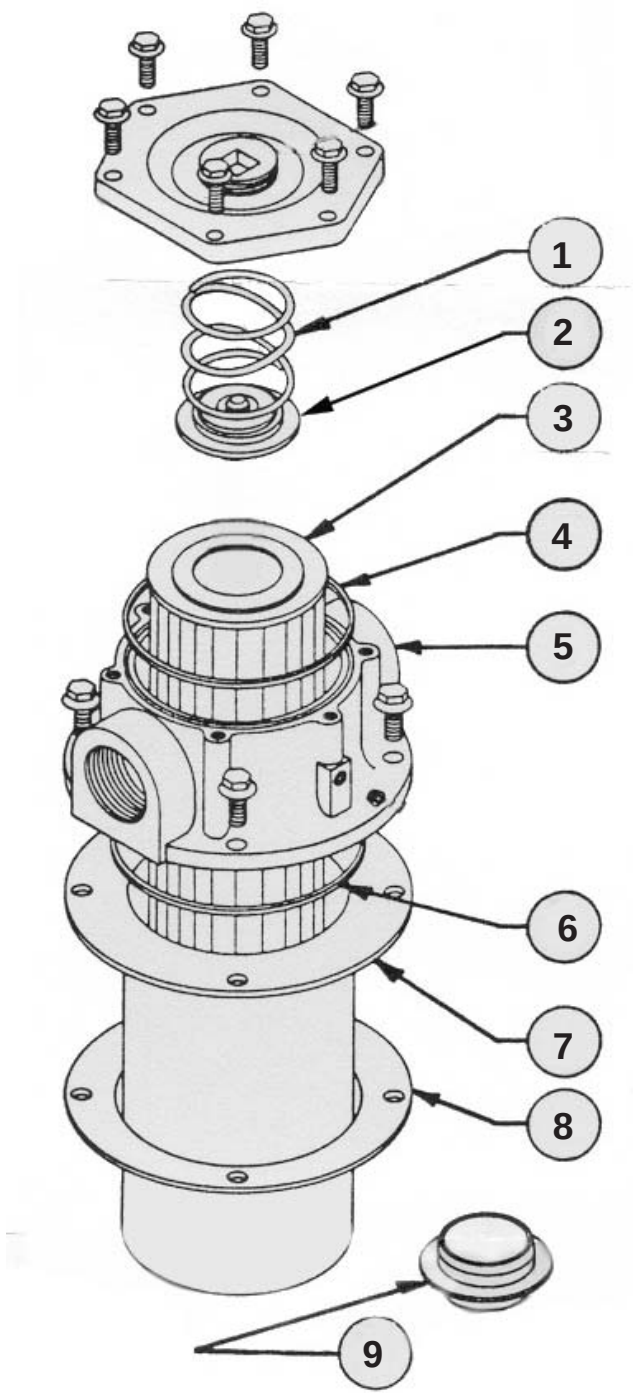
29G37 ZINGA FILTER

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



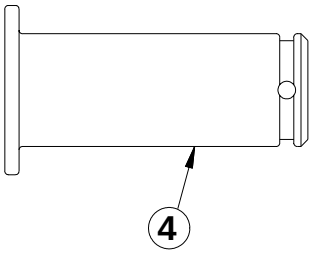
29G38 ZINGA FILTER

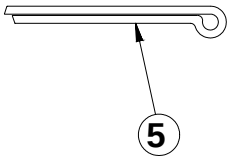
ITEM	QTY	DESCRIPTION	ROADTEC P/N
1	1	ELEMENT HOLD DOWN SPRING	29G37C4
2	1	NO BY-PASS VALVE ASSEMBLY	29G38C1
3	2	FILTER ELEMENT	29G40
4	1	TOP COVER SEAL (BUNA-"N")	29G37C2
5	1	PORT CASTING 1 5/8"-12 & 1 7/8-12 (SAE 20 & 24)PORTS	29G37C6
6	1	HOUSING FLANGE SEAL (BUNA-"N")	29G37C1
7	1	SINGLE ELEMENT HOUSING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

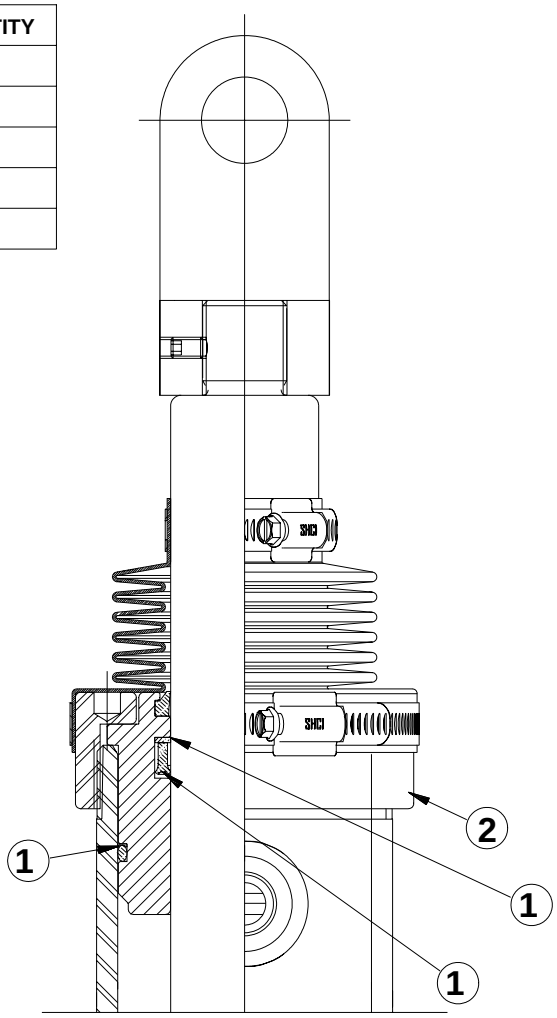


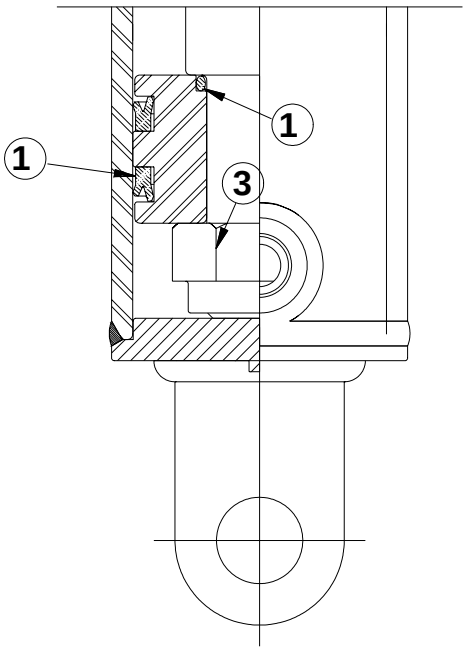
ROADTEC P/N. 144894-01
SOUTHERN HYD. P/N. 3017050

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



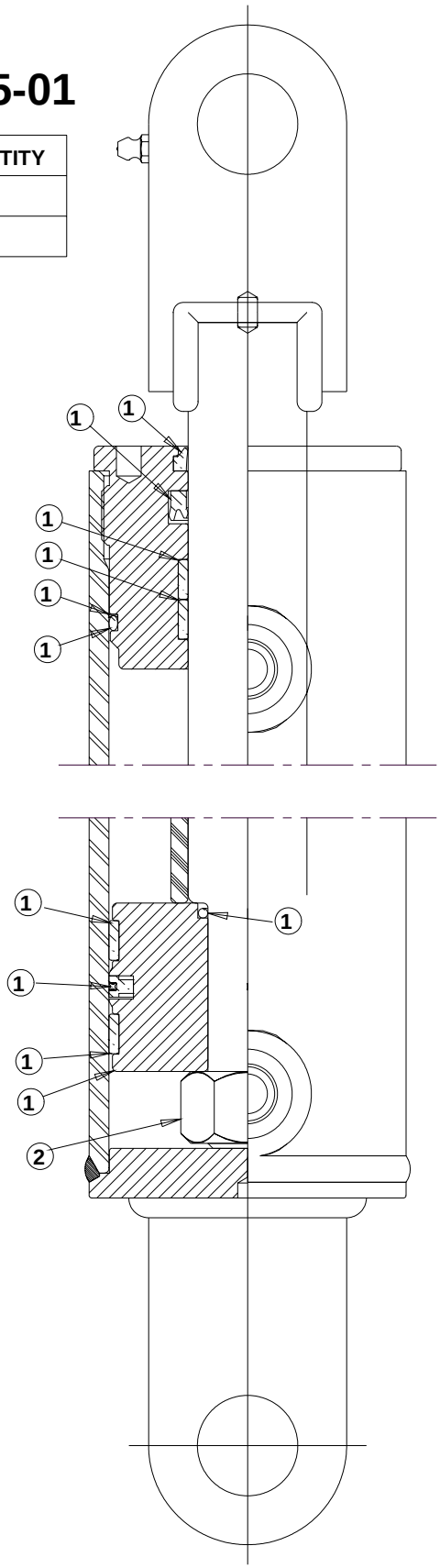






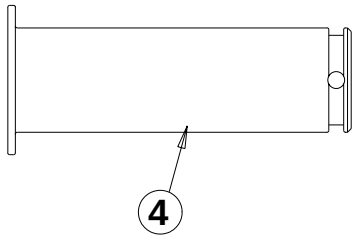
ROADTEC P/N. 144895-01
SOUTHERN HYD. P/N. 3515082-144895-01

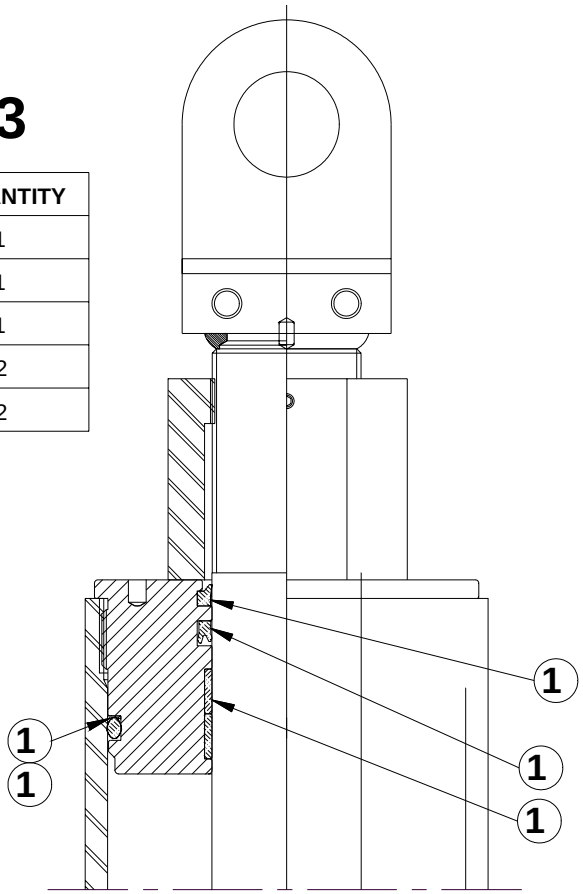
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144895-01-	SEAL KIT	1
2	144895-01-C2	LOCKNUT	1

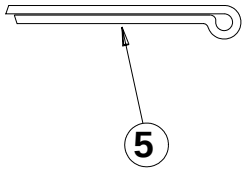


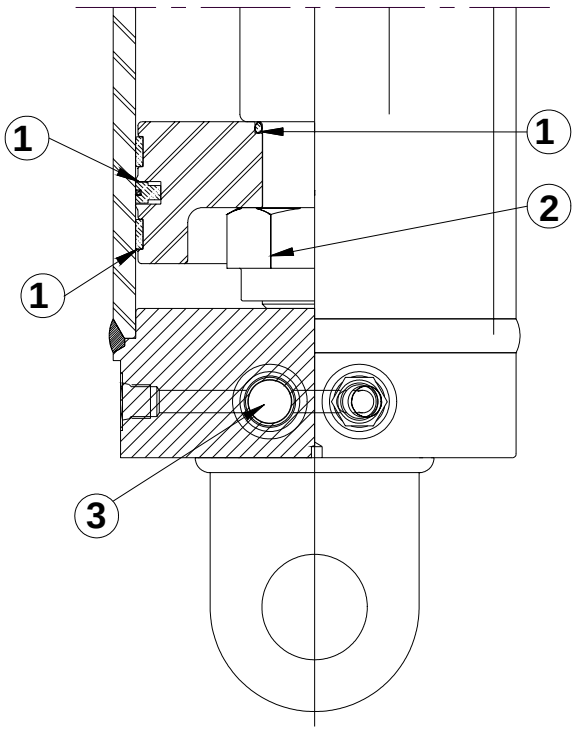
ROADTEC P/N. 144896-01
SOUTHERN HYD. P/N. 6025203

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



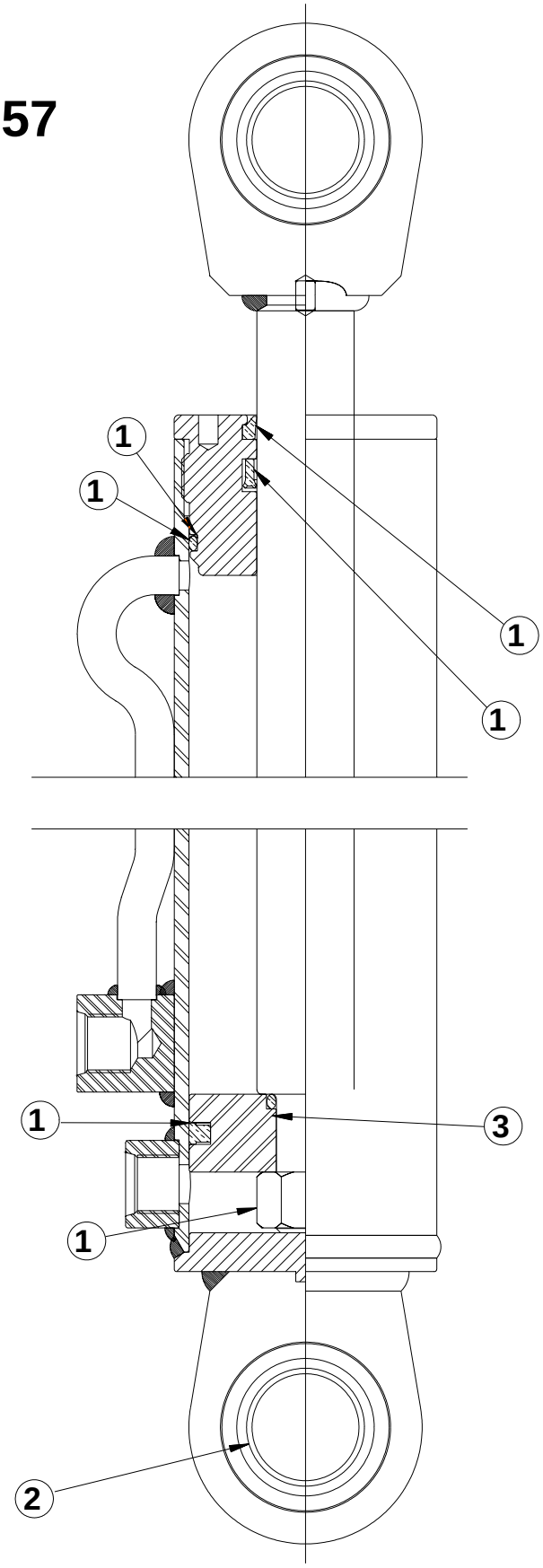






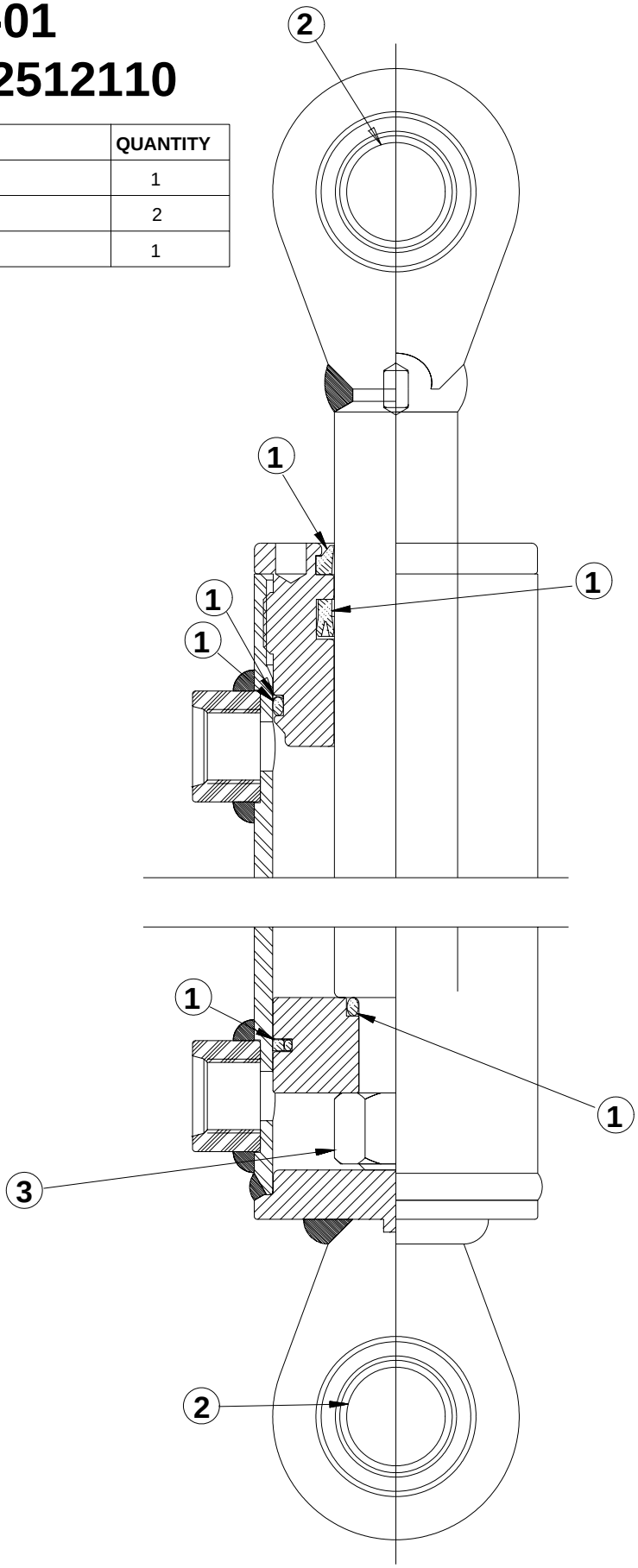
ROADTEC P/N. 144897-01
SOUTHERN HYD. P/N. 3012157

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



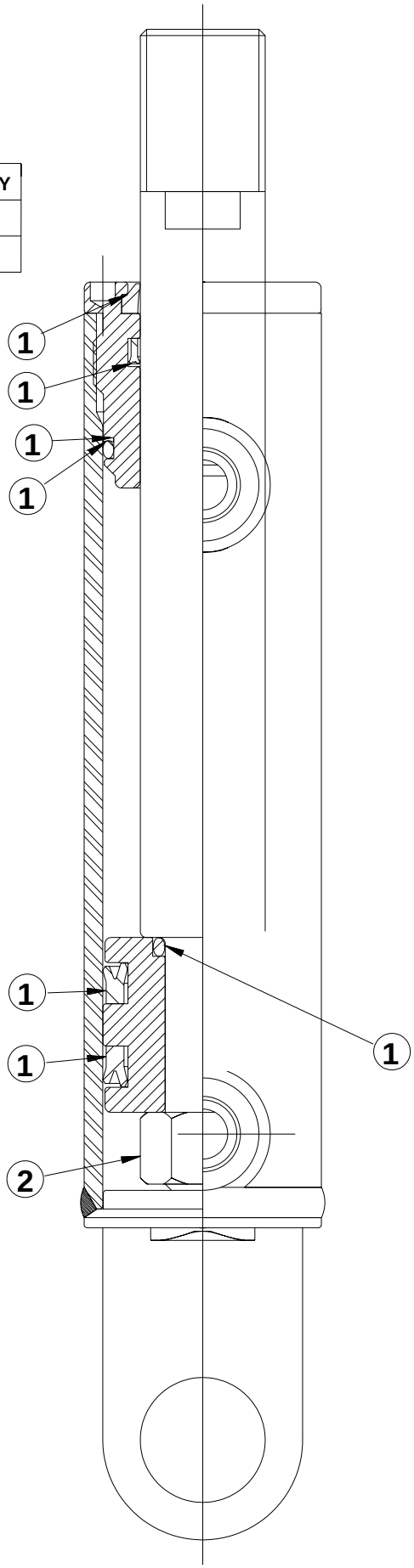
ROADTEC P/N. 144898-01
SOUTHERN HYD. P/N. 2512110

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



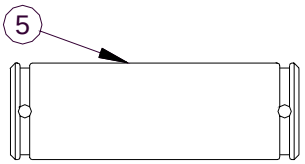
ROADTEC P/N. 144899-01
SOUTHERN HYD. P/N. 2012045

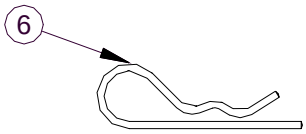
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144899-01-C1	SEAL KIT	1
2	97482-01-C8	3/4" LOCK NUT	1



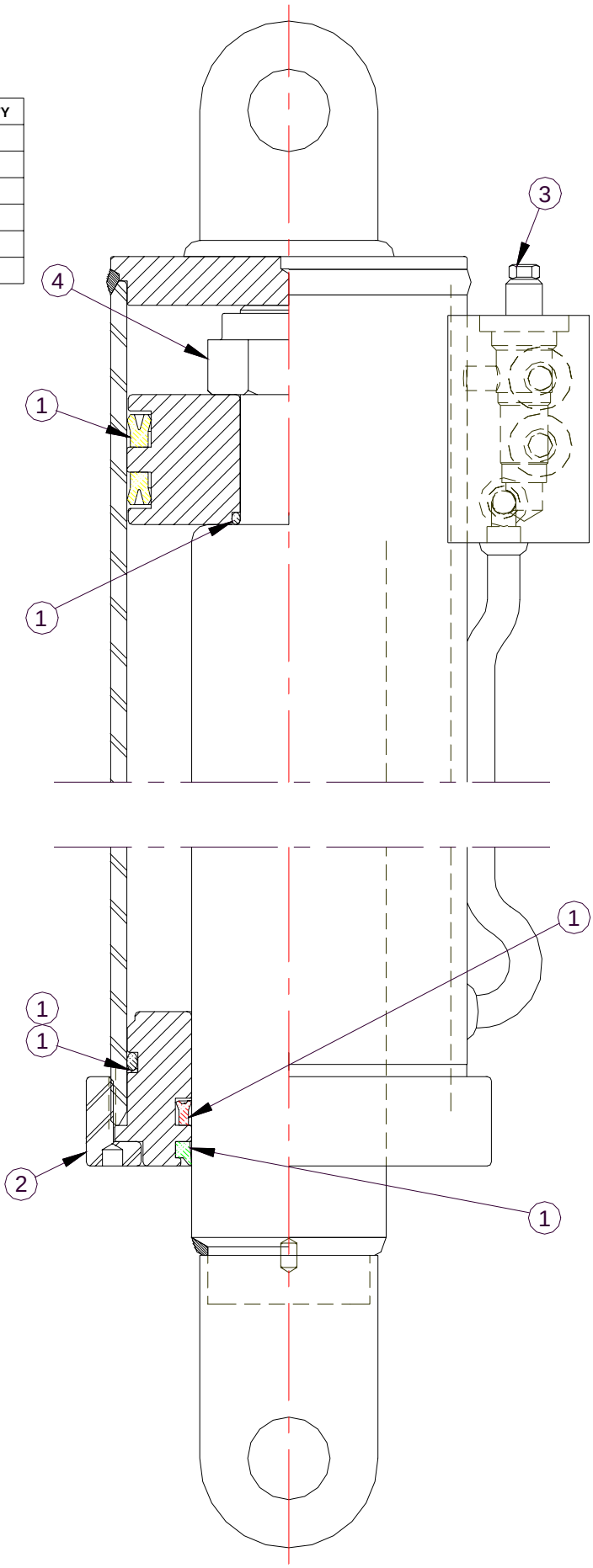
ROADTEC P/N. 144900-01
SOUTHERN HYD. P/N. 5030260

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



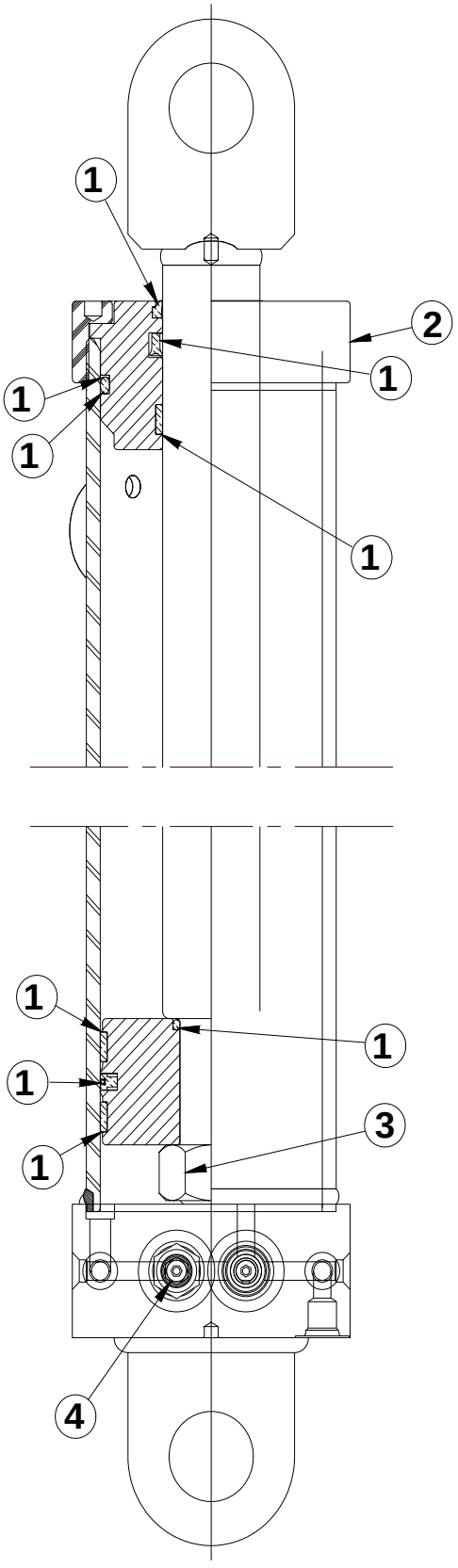


12/F



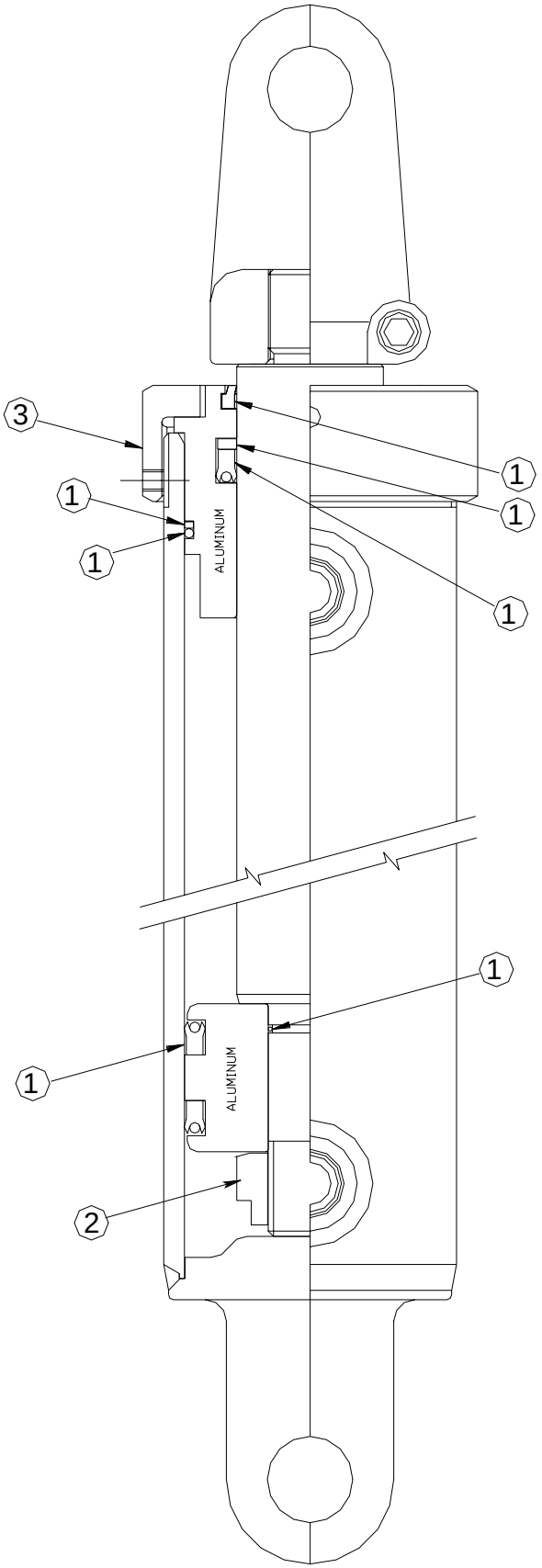
ROADTEC P/N. 144901-01
SOUTHERN HYD. P/N. 4017210

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



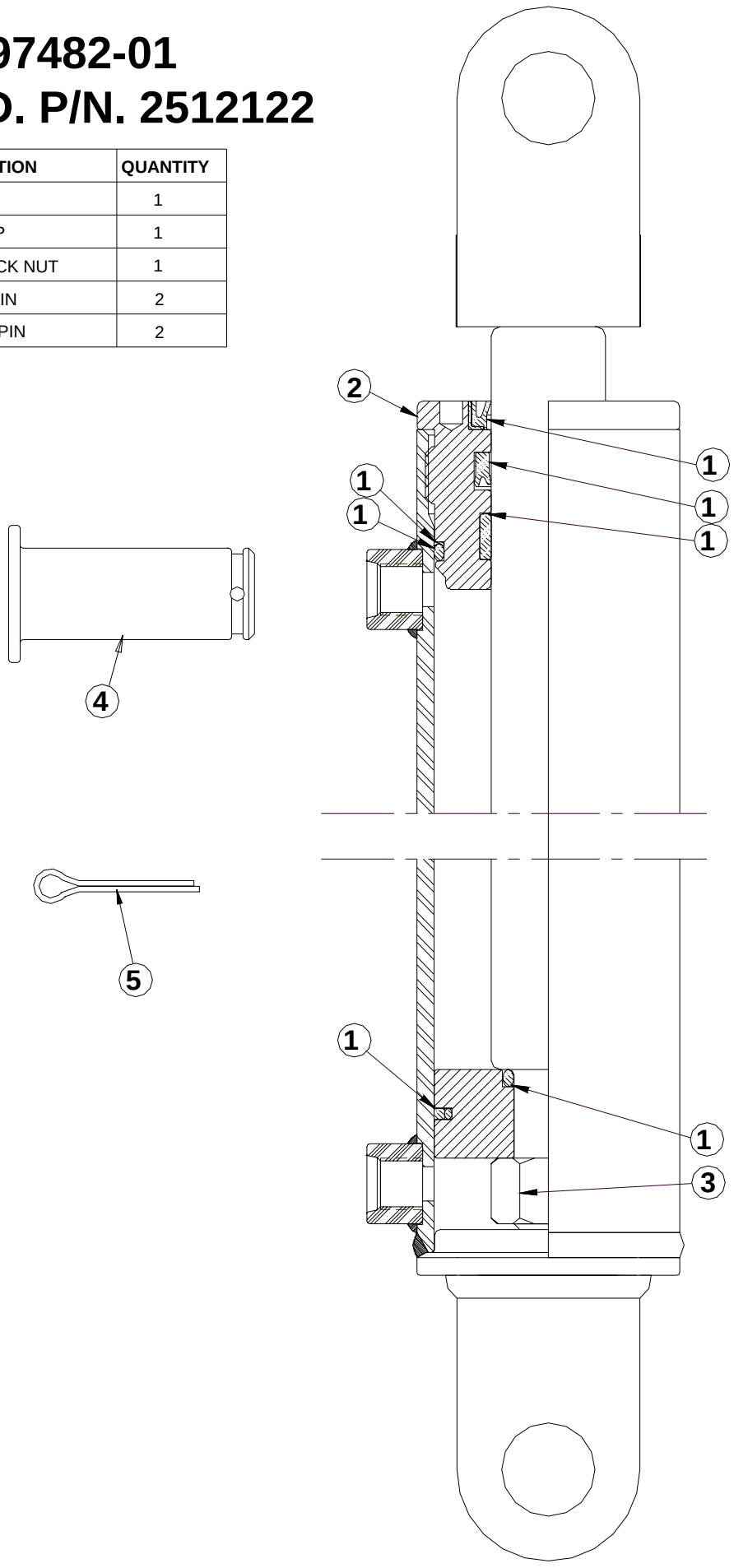
ROADTEC P/N. 93833-02
TEXAS HYD. P/N. TH3008028CA

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



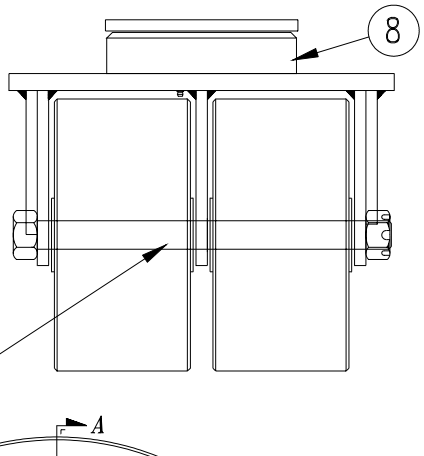
ROADTEC P/N. 97482-01
SOUTHERN HYD. P/N. 2512122

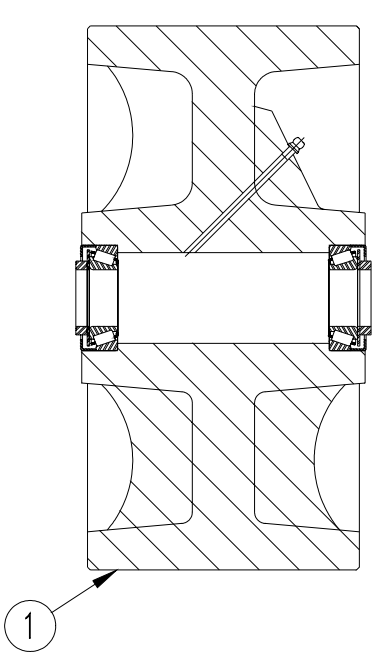
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144894-01-C1	SEAL KIT	1
2	125383-04-C2	HEADCAP	1
3	97482-01-C8	1-1/4" LOCK NUT	1
4	97482-01-C5	CLEVIS PIN	2
5	128592	COTTER PIN	2

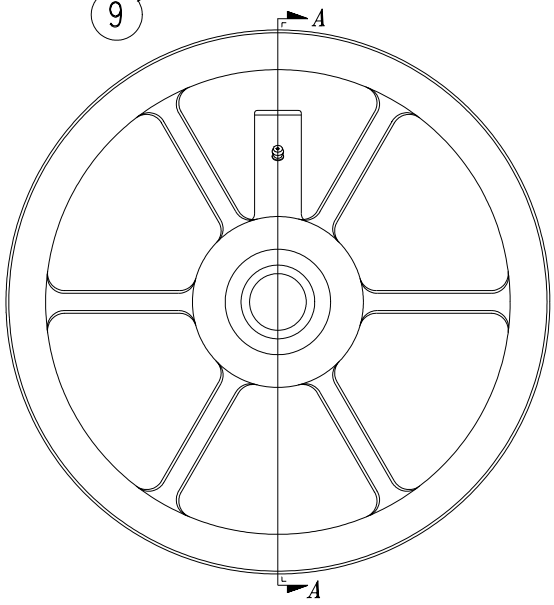


ROADTEC P/N 132001-04
RWM P/N PSB-100-F-15

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







SECTION *A-A*

