ROADTEC SB-2500eX MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 243199- Rev. B
S/N. 2045 & UP
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ROADTEC
an Astec Industries Company

HOW TO ORDER PARTS

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

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

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

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

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

THIS IS ABSOLUTELY NECESSARY.

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

WARRANTY

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

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

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

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

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ROADTEC, INC.
Chattanooga, Tennessee

CALIFORNIA

Proposition 65 Warning

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

GENERAL INFORMATION

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

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

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

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

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

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

MACHINE RECORD

DATE PURCHASED ____/____/____

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

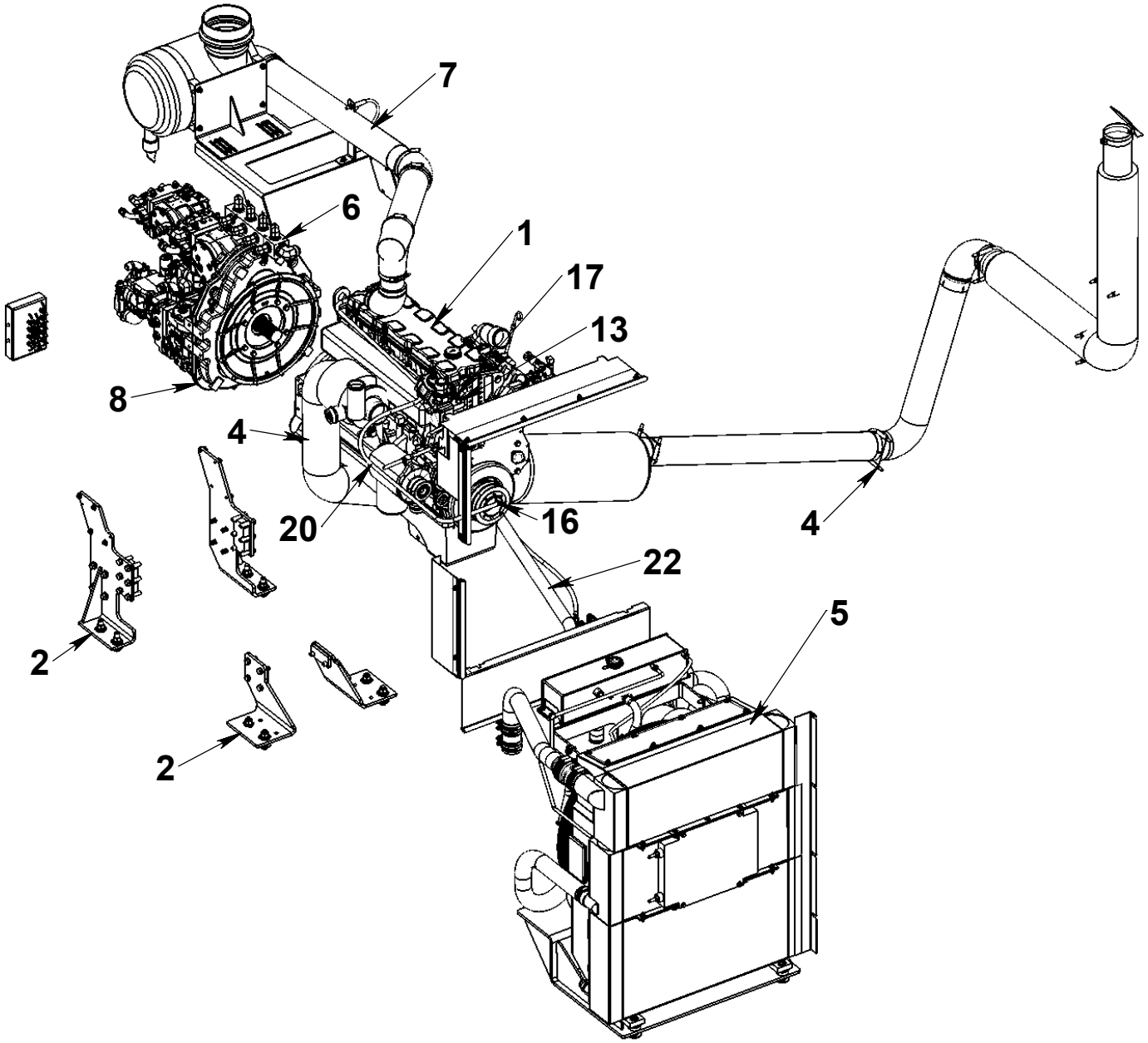
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SECTION 1 : ENGINE

ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE	244664-01	2045 & UP	1.1
ENGINE MOUNTS	241286-03		1.6
EXHAUST	243863-01		1.7
CASE DRAIN RETURN	243015-03		1.8
AIR INTAKE	241350-01		1.9
PUMPS	242295-01	2005 & UP	1.11
DURST PUMP DRIVE	233864-03		1.13
DRIVE MODIFICATIONS	242329-01		1.14
PUMP TEST PORT PANEL	242325-03		1.16
C-1 & C-2 PUMP	99814		1.19
C-3 PUMP	233849-04		1.21
PROPEL PUMP	233837-04		1.23
AUXILIARY PUMP	217790-03		1.25
RADIATOR	241453-01		1.27
COOLER SHROUD	243681-01		1.31
FUEL/WATER SEPARATOR	232396-03		1.32

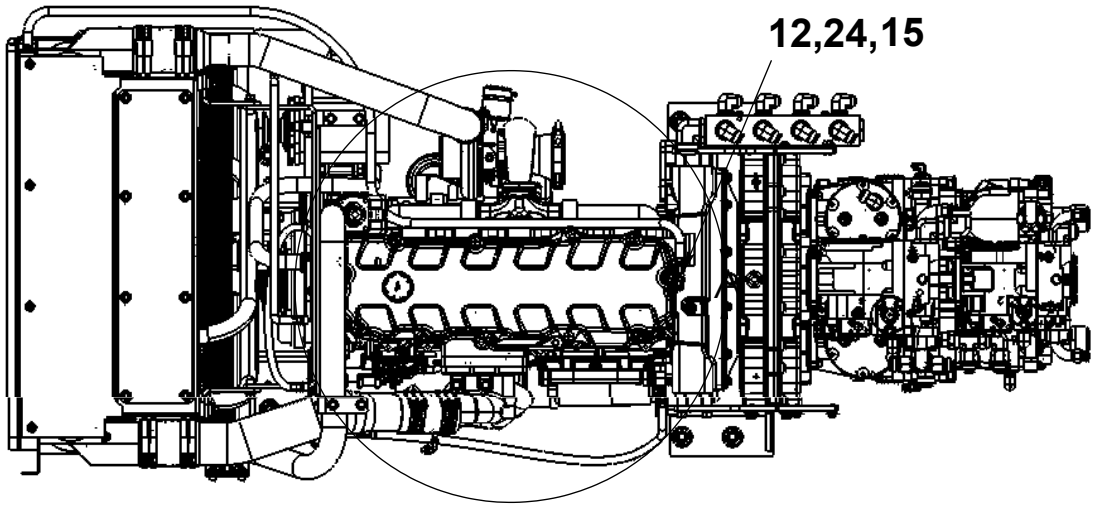
ASSEMBLY- ENGINE T3 LRC CAT C9 (244664-01)

NEXT PAGE

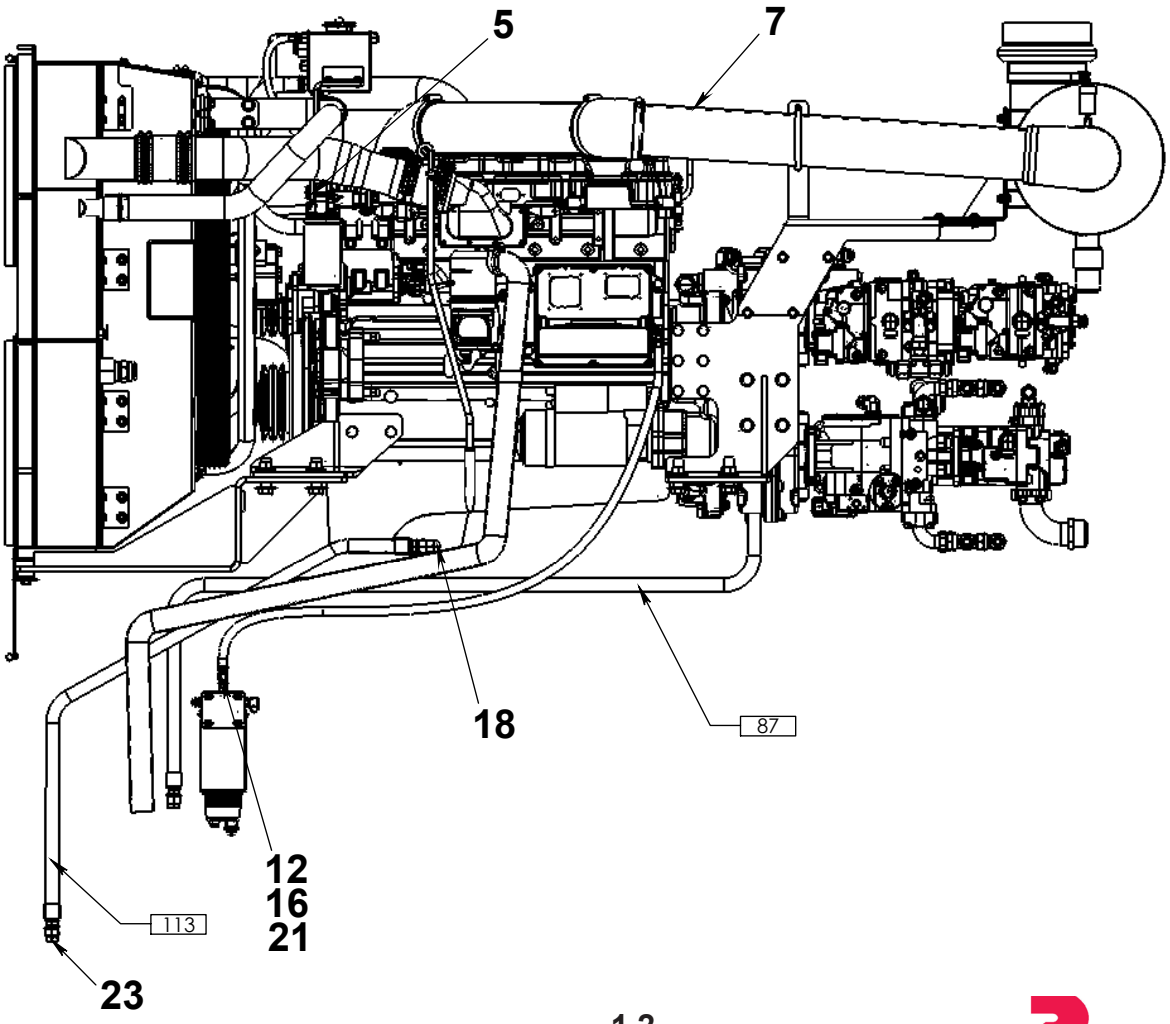


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ASSEMBLY- ENGINE T3 LRC CAT. C9
(244664-01)

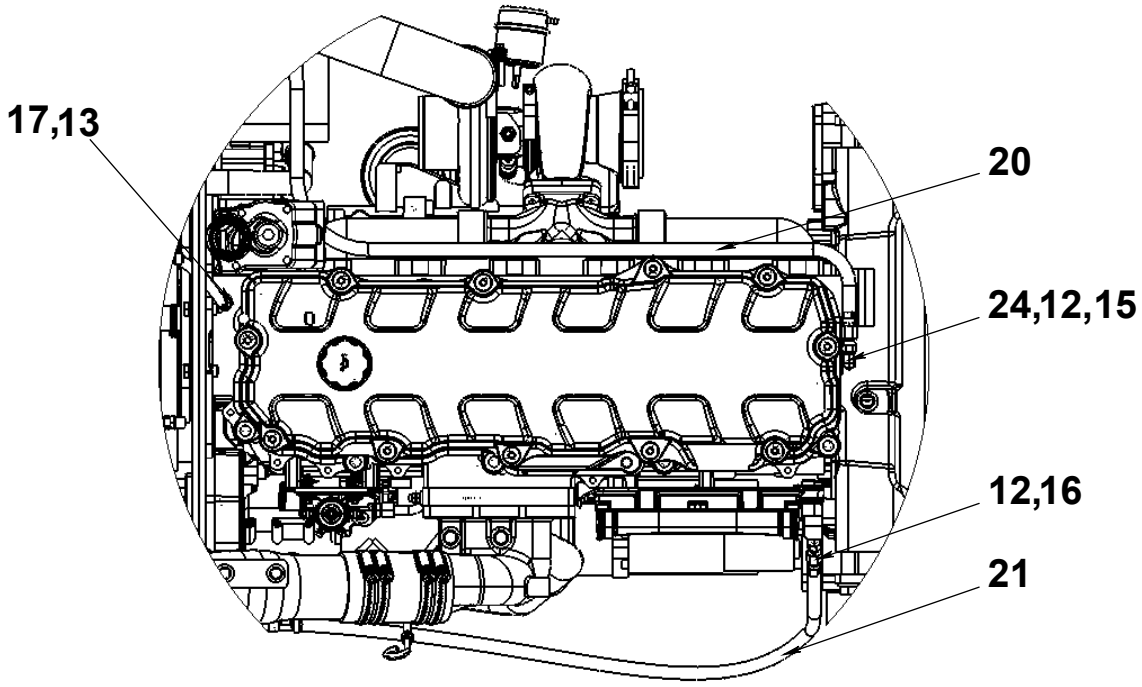


TOP TANK REMOVED FOR CLARITY



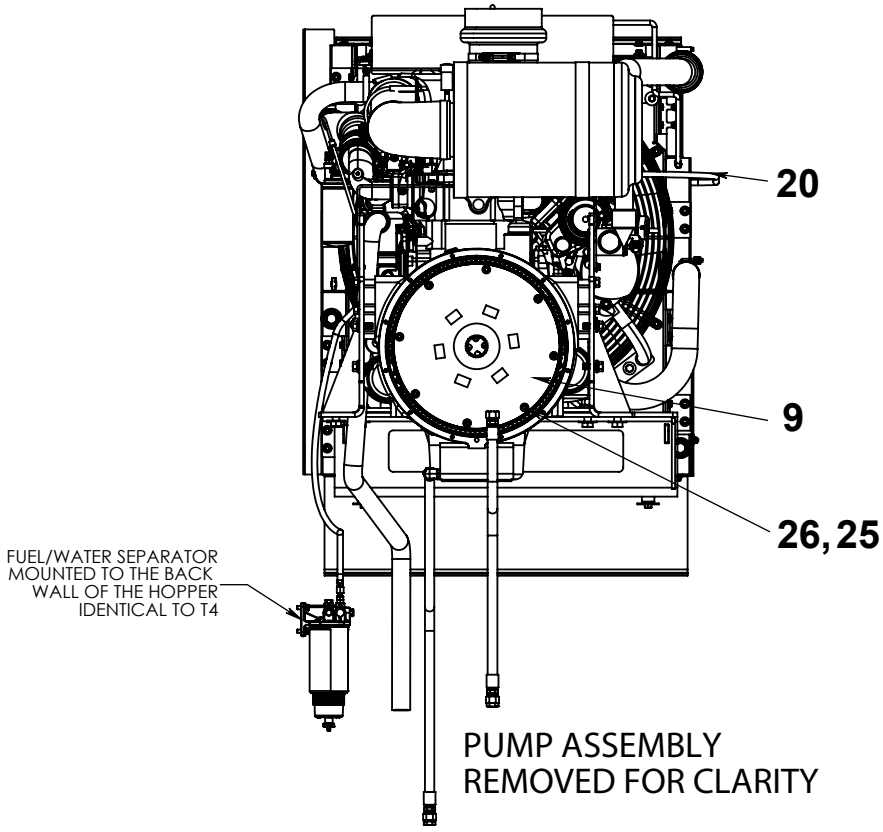
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ASSEMBLY- ENGINE T3 LRC CAT. C9
(244664-01)



TOP TANK AND RADIATOR HOSE
REMOVED FOR CLARITY

DETAIL A



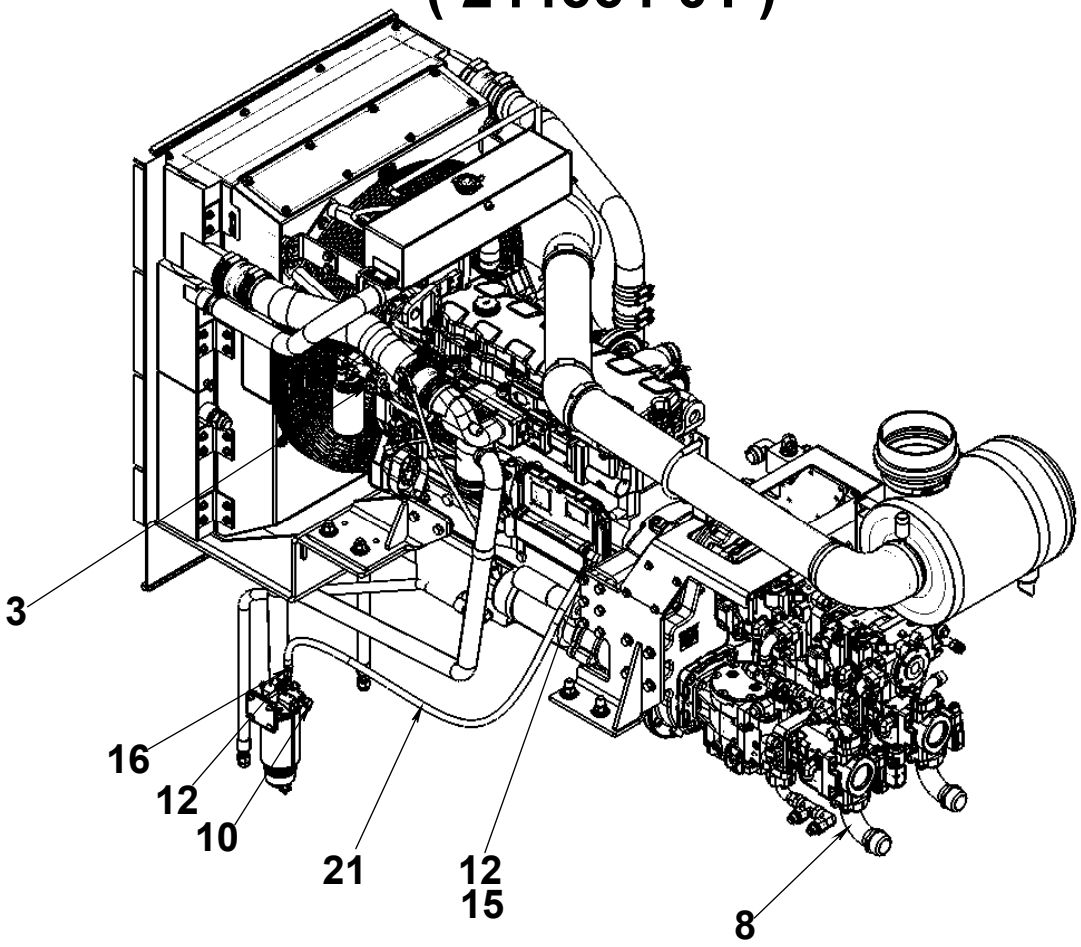
PUMP ASSEMBLY
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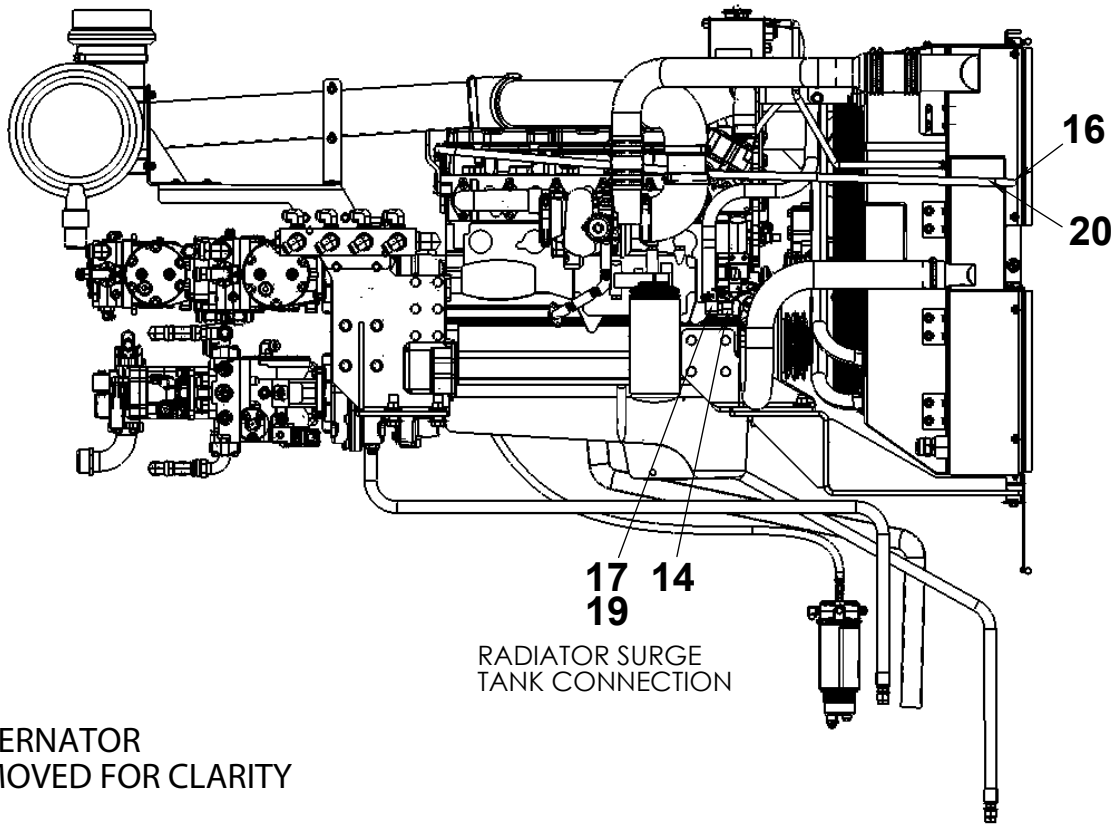
EXAUST ASSEMBLY (#243863-01)
REMOVED FOR CLARITY (ALL VIEWS)

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PREVIOUS PAGE

ASSEMBLY- ENGINE T3 LRC CAT. C9
(244664-01)





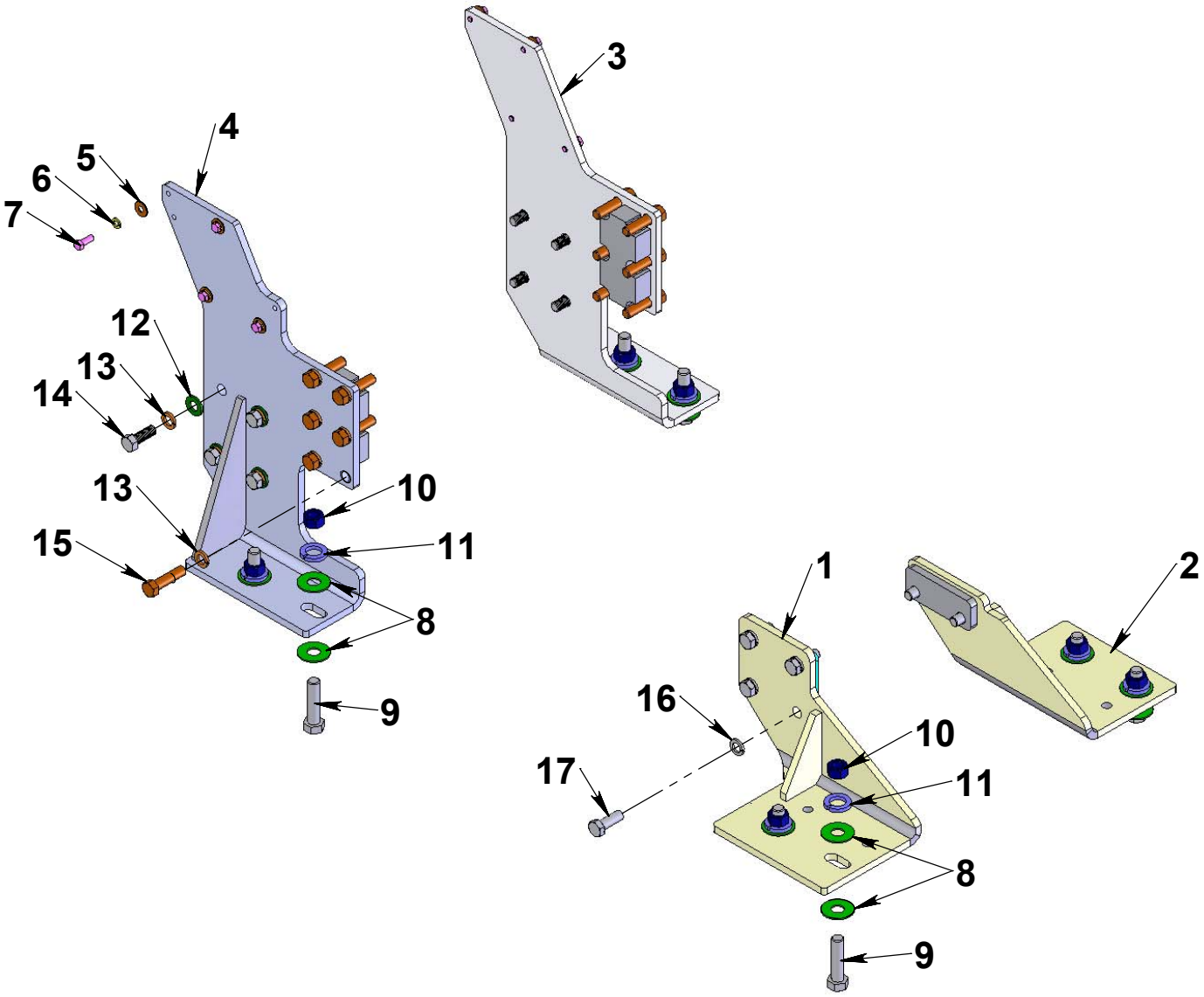
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ASSEMBLY- ENGINE T3 LRC CAT C9 (244664-01)

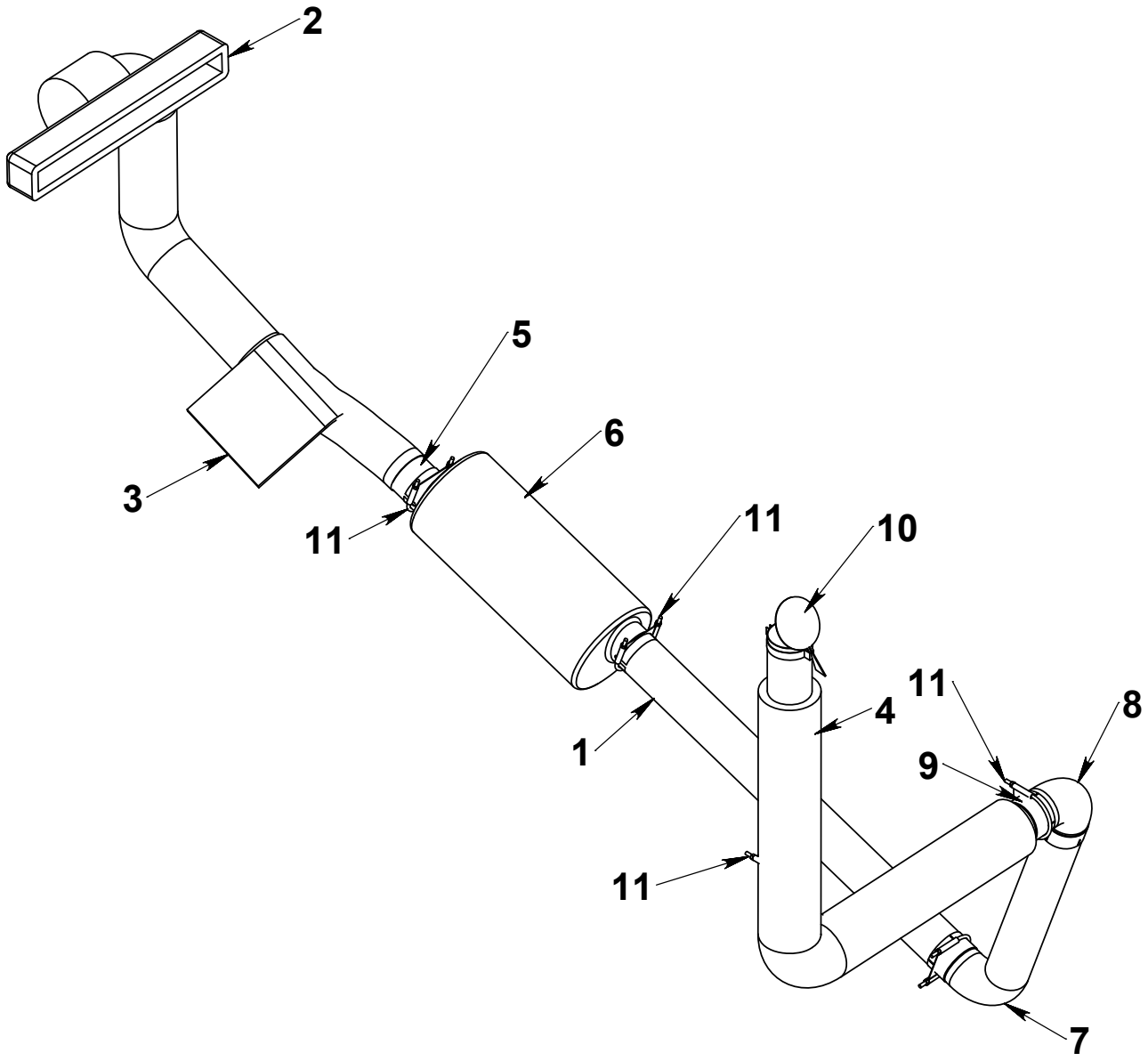
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	241278-03	ENGINE*CAT C9 300 HP LRC T3 24V	1
2	241286-03	ASSEMBLY-ENGINE MOUNT	1
3	216881-03	DETAIL-FUEL FILTER SPACER PLATE	1
4	243863-01	ASSEMBLY-EXAUST, CAT T3 2500EX	1
5	241453-01	ASSEMBLY-COOLING PACKAGE T3 2500EX	1
6	243015-03	ASSY-CASE DRAIN RETURN MANIFOLD	1
7	241350-01	ASSEMBLY-AIR INTAKE SB-2500EX	1
8	242295-01	ASSEMBLY-PUMPS, SB-2500E T4	1
9	215893-03	COUPLING * SPRING	1
10	232396-03	ASSEMBLY-FUEL / WATER SEPARATOR	1
11	243681-01	ASSEMBLY-COOLER SHROUD 2500EX	1
12	132960-04	ADAPTER * 1/4 NPT FM X 6 JIC F SW	3
13	86136-04	FIT * ADAPTOR 8 SAE -1/4 NPT F PIPE	1
14	216876-04	FIT * ADAPTER 8 SAE M. - 12 SAE F.	1
15	80349-04	HOSE BARB * 1/4"NPT X 3/8" BARB	3
16	45228	CLAMP * 3/8"- 1/2 WORM	4
17	91846-04	1/4" NPT - 1/4" BARB	1
18	133698	FIT * 12 JIC X 8 SAE 90 MALE ELBOW	1
19	216874-04	FIT * 90 SAE TO HOSE	1
20	241276-01-20	HOSE 3/8 FUEL & WATER X 96"LG	1
21	241276-01-21	HOSE, 3/8 FUEL & WATER X 80"LG	1
22	217205-01-22	HOSE * RUBBER 2" LOW PRESSURE x 86" LG	1
23	85395-04	FIT * PLUG 12 JIC	2
24	83953-04	FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG.	1
25	83317	WASHER * LOCK 1/2" SPRING STEEL	8
26	84691	SCREW * 1/2"UNC X 1 1/4" SOC.HD.	8

ASSEMBLY-ENGINE MOUNT
(241286-03)



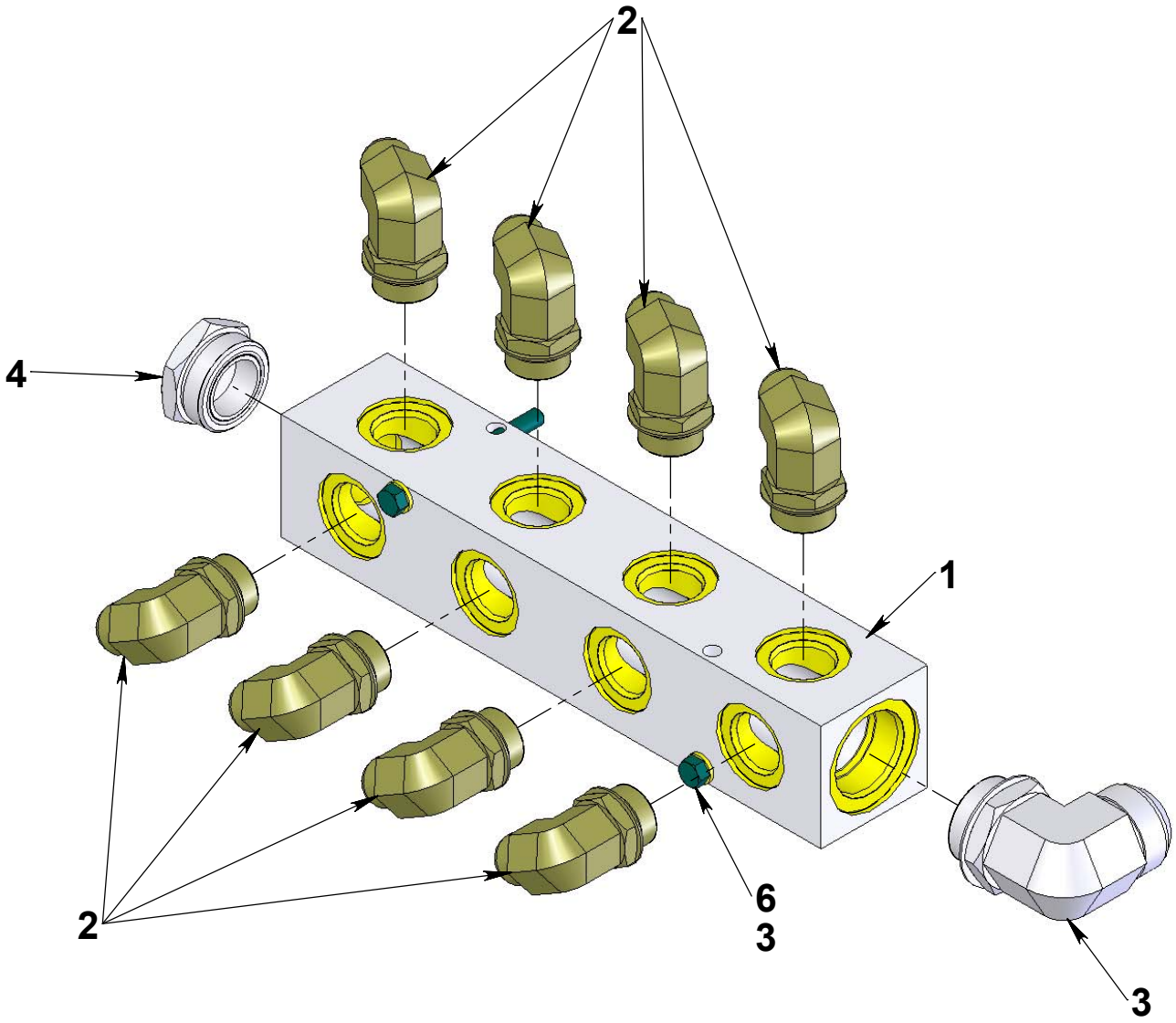
ITEM #	PART #	DESCRIPTION	QTY
1	241462-03	WELDMENT-RH FRONT ENGINE MOUNT	1
2	241463-03	WELDMENT-LH FRONT ENGINE MOUNT	1
3	241312-02	WELDMENT-RH REAR MOTOR MOUNT	1
4	243176-02	WELDMENT-LH REAR MOTOR MOUNT	1
5	83757	WASHER ~ FLAT 3/8 STEEL	8
6	83056	WASHER ~ LOCK 3/8 SPRING STEEL	8
7	84332	BOLT * HEX 3/8"-16 X 1"	8
8	83133	WASHER * FLAT 3/4" STEEL	16
9	89151	BOLT * HEX 3/4"-10 X 3"	8
10	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	8
11	202049-04	WASHER * 3/4 NORD LOCK	8
12	26F83	WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW	8
13	84717	WASHER * LOCK 5/8" SPRING STEEL	20
14	89143	BOLT * HEX 5/8"-11UNC X 1 3/4"	8
15	89252	BOLT * HEX 5/8"-11 X 2 1/2"	12
16	01702	WASHER * LOCK 16 7980 SPRING STEEL	6
17	01202	BOLT * HEX M16 X 45 8.8 933	6

ASSEMBLY-EXAUST, CAT T3 2500EX (243863-01)



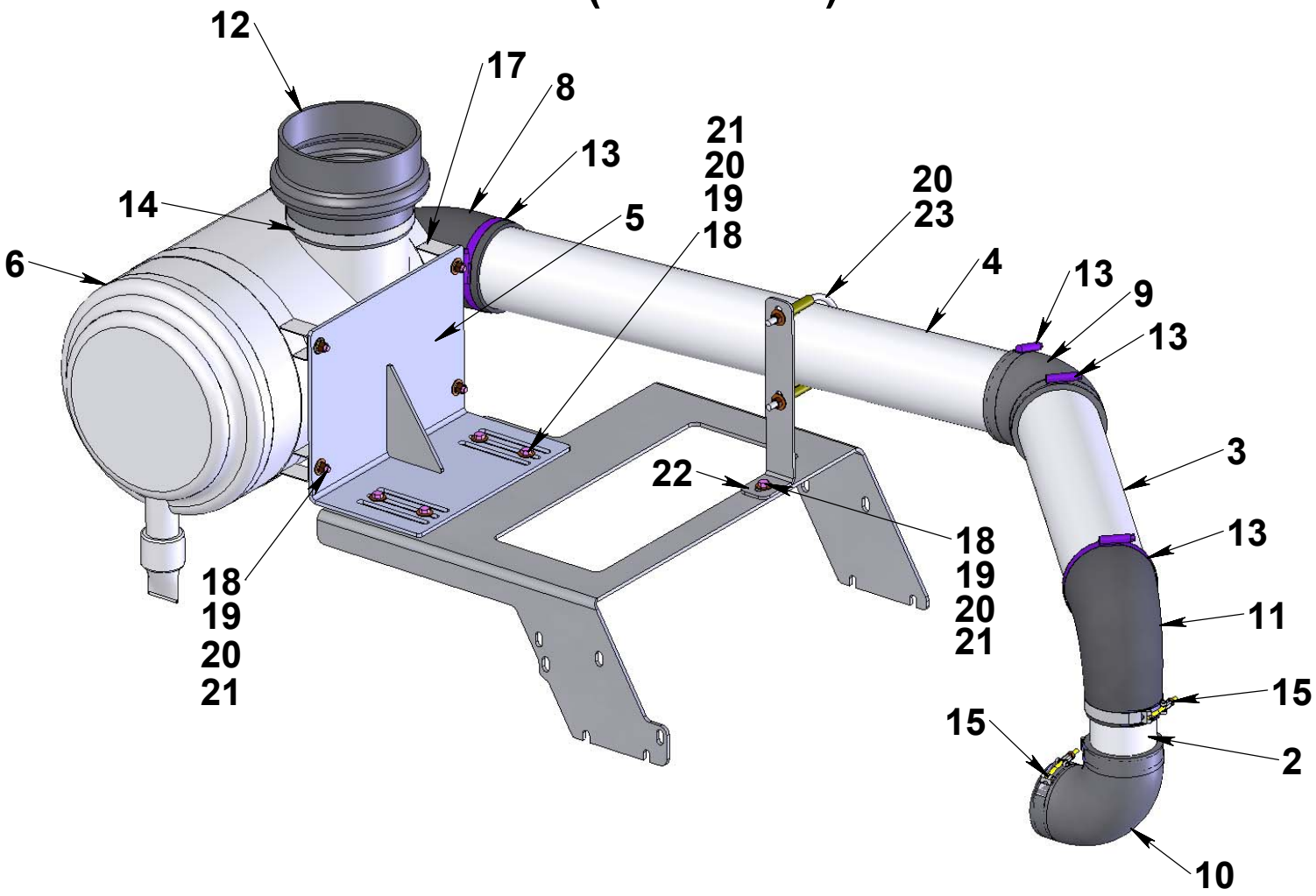
ITEM #	PART #	DESCRIPTION	QTY
1	243863-01-1	RD. TUBE, 5" X 14GA, 53 1/4"LG, A513 ALUMINIZED	1
2	220658-04	INSUL * TURBO BLANKET KIT	1
3	217091-03	INSULATION ~ EXHAUST BEFORE MUFFLER	1
4	244517-03	INSULATION * EXHAUST STACK	1
5	241430-03	EXHAUST * TURBO-TUBE	1
6	243290-03	MUFFLER, 5" X 12" DIA 34" OAL	1
7	244518-03	DETAIL-EXHAUST TUBE BEFORE STACK	1
8	244522-03	EXHAUST * ELBOW 90 5"OD X 5"ID	1
9	243889-03	DETAIL-EXHAUST STACK	1
10	89078-04	RAIN CAP * DURALIFE 5" (CHROME)	1
11	89096-04	CLAMP ~ 5" MUFFLER	6

ASSY-CASE DRAIN RETURN MANIFOLD (243015-03)



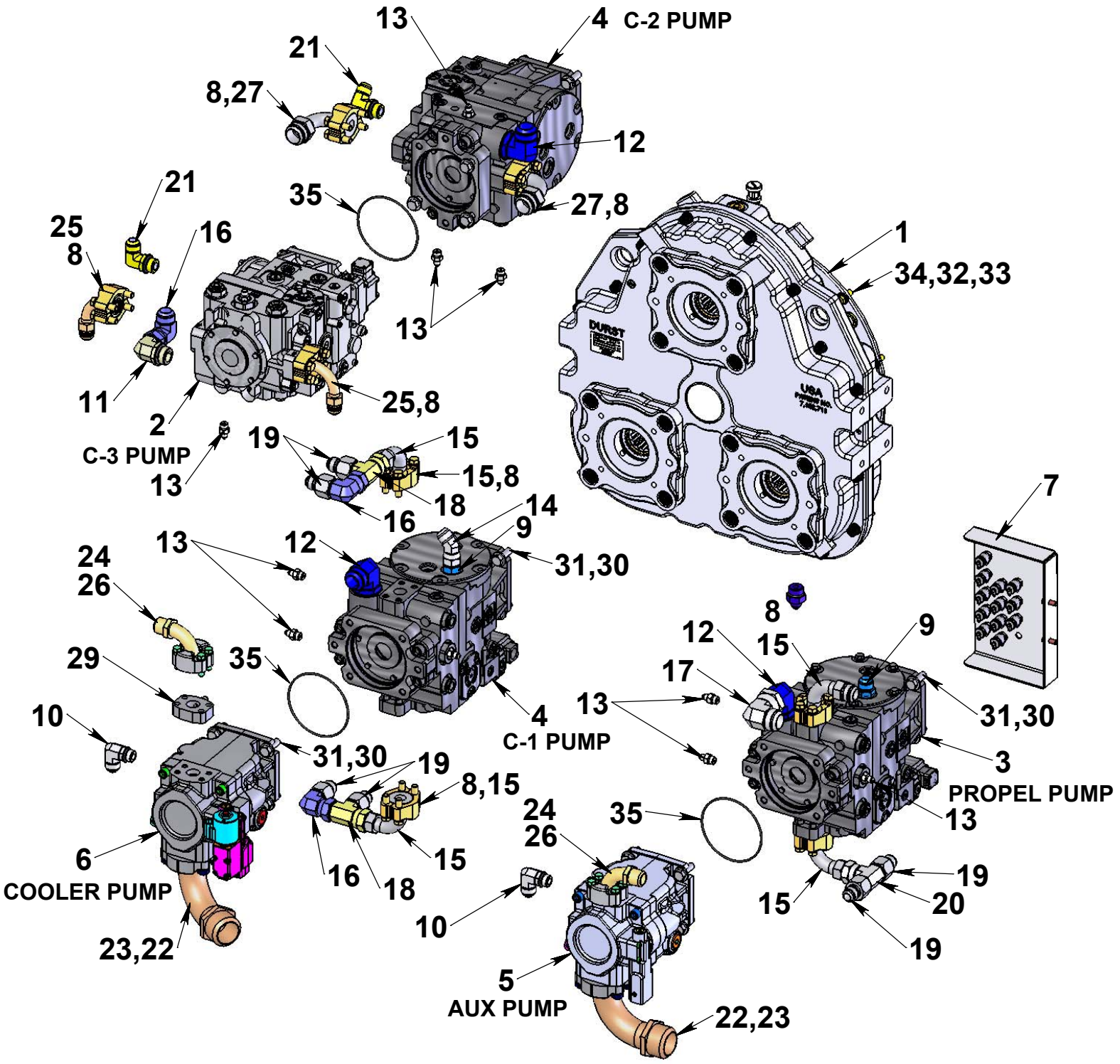
ITEM #	PART #	DESCRIPTION	QTY
1	238594-03	MANIFOLD *90° HEADER (16 SAE PORTS)	1
2	85875-04	FIT * ELBOW 12 JIC M - 16 SAE 90	8
3	130099	FITTING * 24 JIC - 24 SAE 90 ELBOW	1
4	201954	FITTG * 24 SAE PLUG	1
5	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
6 3	16T98	BOLT * HEX 3/8"-16 X 4"	2

ASSEMBLY-AIR INTAKE SB-2500EX (241350-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	242818-03	DETAIL-AIR FILTER INTAKE BRACKET	1
2	241350-01-2	TUBE * 4"OD X 16GA ALUMINIZED, CUT 4"	1
3	241350-01-3	RD.TUBE, 5" x 14GA, 24" A513 Aluminized	1
4	241350-01-4	RD.TUBE, 5" x 14GA, 40 1/4" A513 Aluminized	1
5	241611-03	WLDT-AIR FILTER BRACKET	1
6	203086-03	FILTER * AIR CLEANER SB/MTV TIER II	1
7	28R14	GAUGE * RESTRICTION INDICATOR KIT	1
8	135693	RUBBER * 6 TO 5 90 DEG.ELBOW	1
9	136157-04	RUBBER 5" ELBOW 45	1
10	149708	RUBBER*4"I.D.SHORT RADIUS 90°ELBOW	1
11	126978	RUBBER * 4" TO 5" REDUCING ELBOW	1
12	201416	RUBBER * 8-7 HUMP REDUCER	1
13	95397	CLAMP * 4 3/4-5 5/8 CONSTANT TORQUE	4
14	135309	CLAMP ~ 7" T-BAR	1
15	83129	CLAMP * T-BAR 4"	3
16	95047	CLAMP ~ 6" T-BAR	1
17	203087-03	FILTER*15"MOUNTING BAND(AIR CLEANR)	2
18	83055	NUT * 3/8-16 HEX GRADE 8	9
19	83056	WASHER ~ LOCK 3/8 SPRING STEEL	9
20	83757	WASHER ~ FLAT 3/8 STEEL	11
18	84332	BOLT * HEX 3/8"-16 X 1"	9
22	244019-03	DETAIL-AIR TUBE SUPPORT BRACKET	1
23	89096-04	CLAMP ~ 5" MUFFLER	1

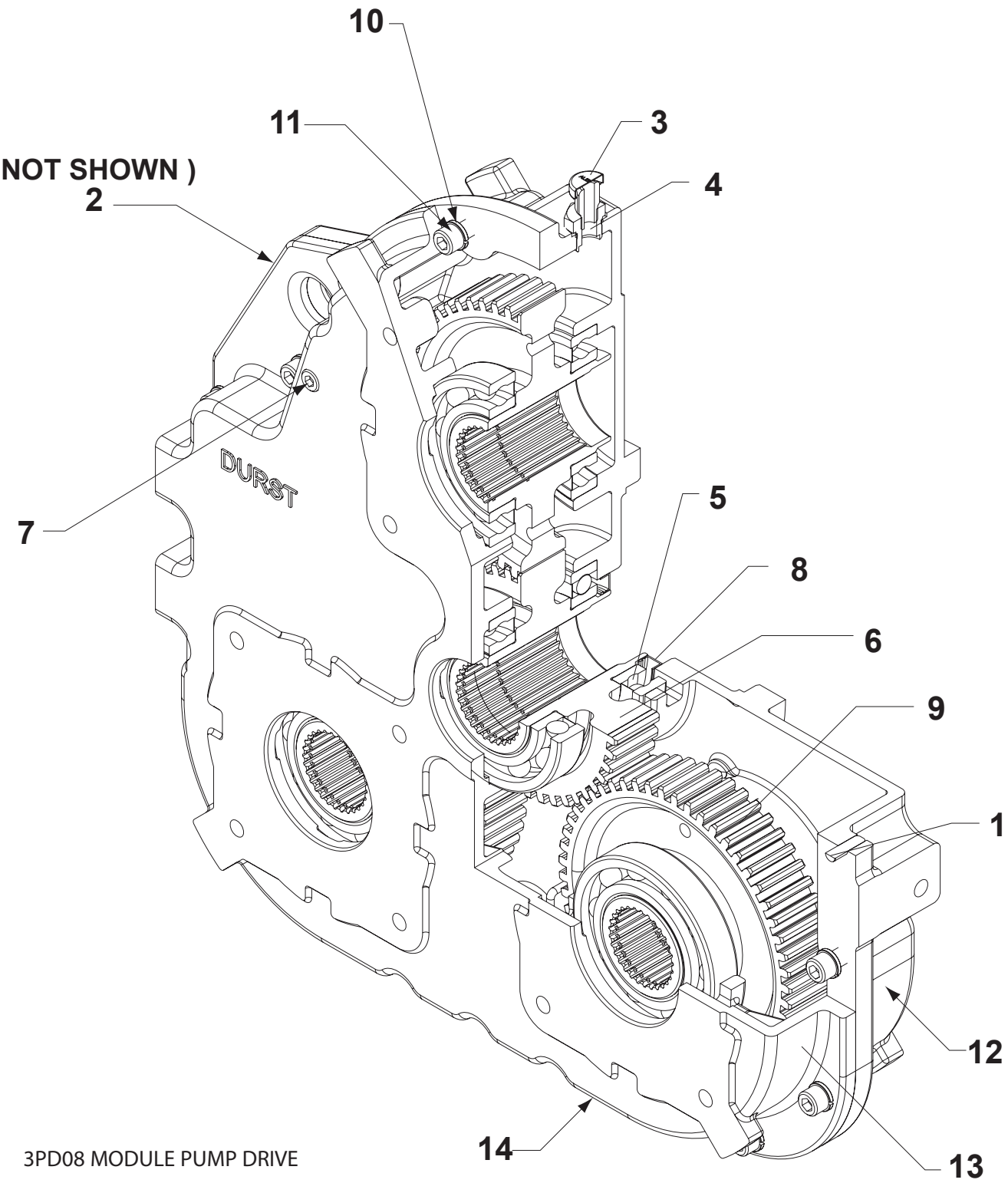
ASSEMBLY-PUMPS, SB-2500E T4
(242295-01)



ASSEMBLY-PUMPS, SB-2500E T4 (242295-01)

ITEM #	PART #	DESCRIPTION	QTY
1	242329-01	MODIFICATION-PUMP * DRIVE 3PD08	1
2	233849-04	PUMP * HYD STAT SERIES 90-75CC NO AUX PAD	1
3	233837-04	PUMP * HYD STAT SERIES 90-100CC 13 TOOTH 8/16	1
4	99814	PUMP, CLOSED LOOP, SAUER-DANFOSS SERIES 90/100CC, CCW	2
5	217790-03	PUMP * PRESSURE COMPENSATED	1
6	233856-04	PUMP *AUX 45CC PRESSURE COMPENSATED PROP CONTROL	1
7	242325-03	ASSEMBLY-PUMP TEST PORT PANEL	1
8	90729	KIT * FLANGE #16 CODE 62	8
9	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	2
10	97551	FIT * 12 JIC TO 10 SAE 90 DEGREE	2
11	91660	FIT * ELBOW 16 JIC - 16 SAE 90 DEG.	1
12	97168	FIT * ELBOW 20 JIC X 20 SAE 90 DEG.	3
13	91658-04	FIT* 4 JIC M X 6 SAE M W_O-RING	11
14	90952-04	FIT * ELBOW 12 JIC 45 DEG. SWIVEL	1
15	92775	FIT*16 JIC-16 FLG 90 DEG.CODE 62 HP	4
16	84654-04	FIT * SWIVEL ELBOW 16 JIC 90 STEEL	3
17	85216-04	FIT * SWIVEL ELBOW 20 JIC 90 DEG	1
18	98118	FIT * SWIVEL RUN TEE 16 JIC	2
19	89596-04	FIT * REDUCER 16 JIC F. - 12 JIC M.	6
20	90939-04	FIT * BRANCH TEE 16 JIC SWIVEL	1
21	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	2
22	201956	FITTG * 32 JIC X 32 FLG 90 CODE 61	2
23	201955	FITTG * 32 FLANGE KIT CODE 61	2
24	89017-04	KIT * FLANGE #16 CODE 61	2
25	83890-04	FIT * 12 JIC-12 FLG 90 CODE 62	2
26	92572	FIT * FLG.ELBOW 90 DEG.16-16 CODE61	2
27	95981	FIT * 20 JIC-16 FLG.90 DEG.CODE 62	2
28	83474-04	FIT * CONNECTOR 4 JIC - 4 SAE MALE	1
29	242067-04	FIT * #16X4 GAGE PORT SPACER CODE 61	1
30	05707	WASHER ~ CONICAL HS12 6796 STEEL	24
31	93144	BOLT * HEX 1/2"-13 X 1 1/2"	24
32	91208	WASHER * FLAT 7/16" STEEL	12
33	83756-04	WASHER * LOCK 7/16" SPRING STEEL	12
34	26G26	BOLT * HEX 7/16"-14 X 1 1/4"	12
35	223350-04	ORING - SD SAE C FLANGE	3
36	236436-03	MODIFICATION-PUMP PRESSURE REDUCTION (NOT SHOWN)	1

ASSEMBLY, PUMP DRIVE 3PD08
(233864-03)



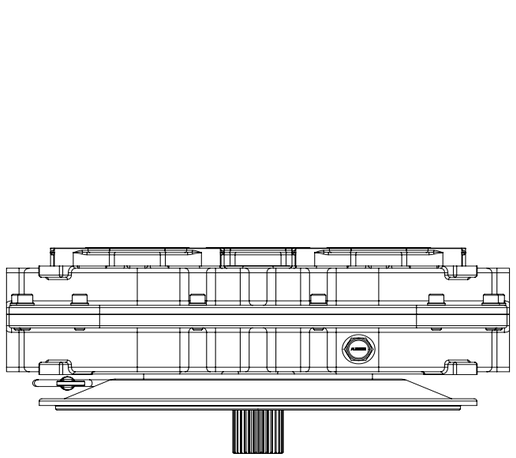
3PD08 MODULE PUMP DRIVE

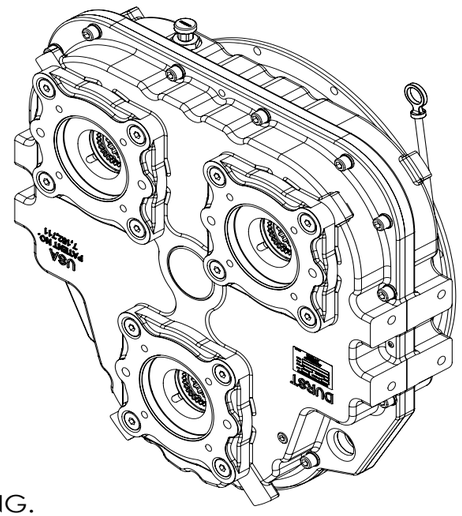
ASSEMBLY, PUMP DRIVE 3PD08
(233864-03)

ITEM #	PART NO.	DESCRIPTION	QTY.
		3PD08 - 1:341 N11-CDH-CDH-LV	
1	215894-03-C2	DOWEL PIN	2
2	215894-03-C1	DIPSTICK	1
3	135572-01-C3	VENT	1
4	215894-03-C4	FITTING	1
5	233864-03-C3	BEARING	012016
6	215894-03-C6	INPUT GEAR	1
7	215894-03-C7	INVERTED OIL PLUG	1
8	215894-03-C8	SEAL	1
9	215894-03-C9	OUTPUT GEAR	3
10	215894-03-C10	WASHER	12
11	215894-03-C11	CAPSCREW	12
12	233864-03-C1	INPUT HOUSING	012114
13	233864-03-C2	OUTPUT HOUSING	012115
14	215894-03-C14	DRAIN PLUG	1
15	215894-03-C15	KIT - PUMP PAD "B"	1
16	215894-03-C16	KIT - PUMP PAD "C"	2
17		CAPSCREW	12
18		PUMP PAD "B"	1
19		PUMP PAD "C"	2
20		O-RING	3
21		O-RING	3
22	215894-03-C17	RETAINING RING	1
23	215894-03-C18	EXPANSION PLUG	1
24	215894-03-C19	O-RING	1
25	215894-03-C20	INPUT SHAFT	1
26	215894-03-C21	RETAINING RING	2
27	215894-03-C22	SPLINE ADAPTER - SAE BB	1
28	215894-03-C23	SPLINE ADAPTER - SAE D	2
29		KIT - ENGINE ADAPTER (NOT SHOWN)	
30			
31			
32			
33			
34			
35			

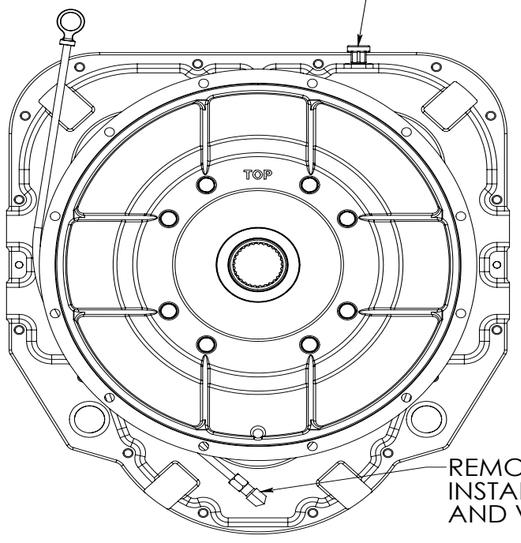
MODIFICATION- PUMP DRIVE 3PD08
(242329-01)

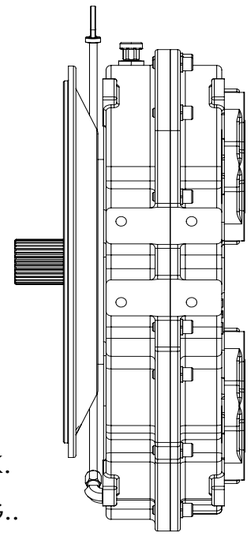
ITEM #	PART #	DESCRIPTION	QTY.
1	233864-03	PUMP * DRIVE 3PD08	1
2	242497-04	DIPSTICK * DURST 3PD08 TOP MNT	1
3	80274-04	PLUMB * 90 DEG. ST. EL. 3/8"NPT STL	1
4	89616	FIT * 8 JIC X 12 SAE ST. MALE	1



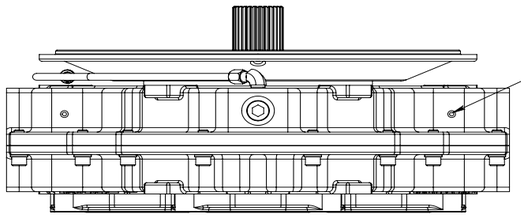


REMOVE VENT FITTING.
PLUG WITH ITEM#4.

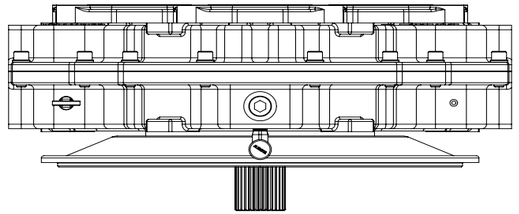


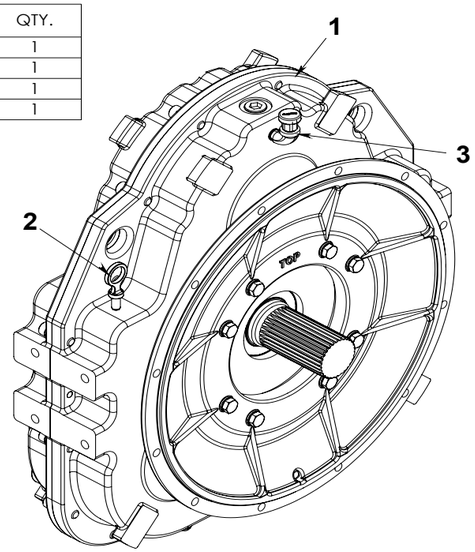


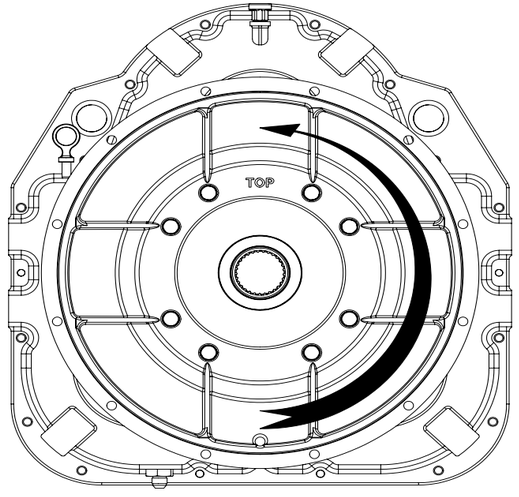
REMOVE DIPSTICK.
INSTALL ITEM#3
AND VENT FITTING..



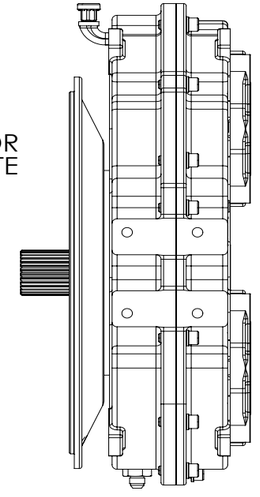
REMOVE PLUG.
PRESS IN ITEM#2.

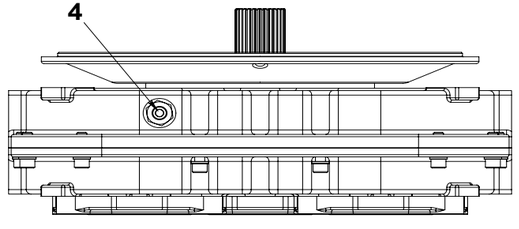






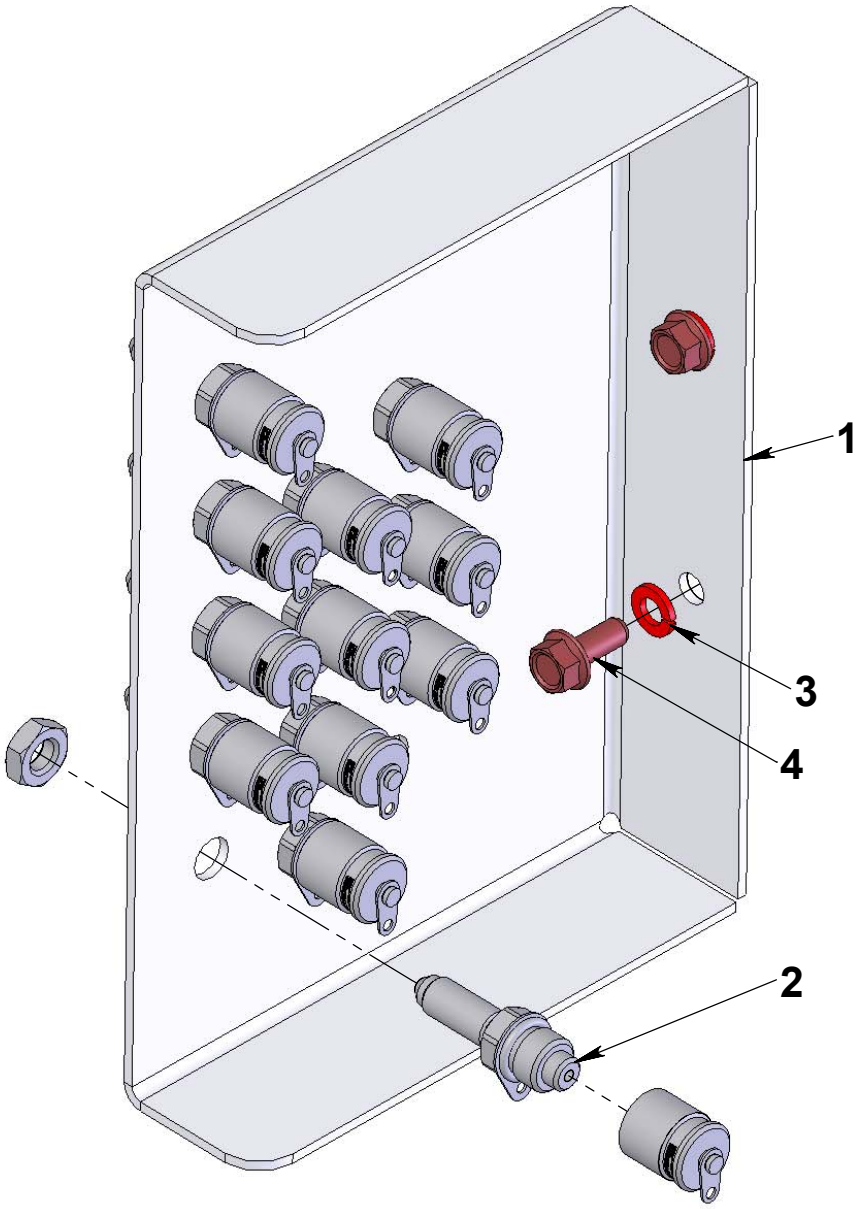
REMOVE ADAPTOR
PLATE AND ROTATE
180° SO THAT THE
WORD "TOP" IS
AT THE TOP.





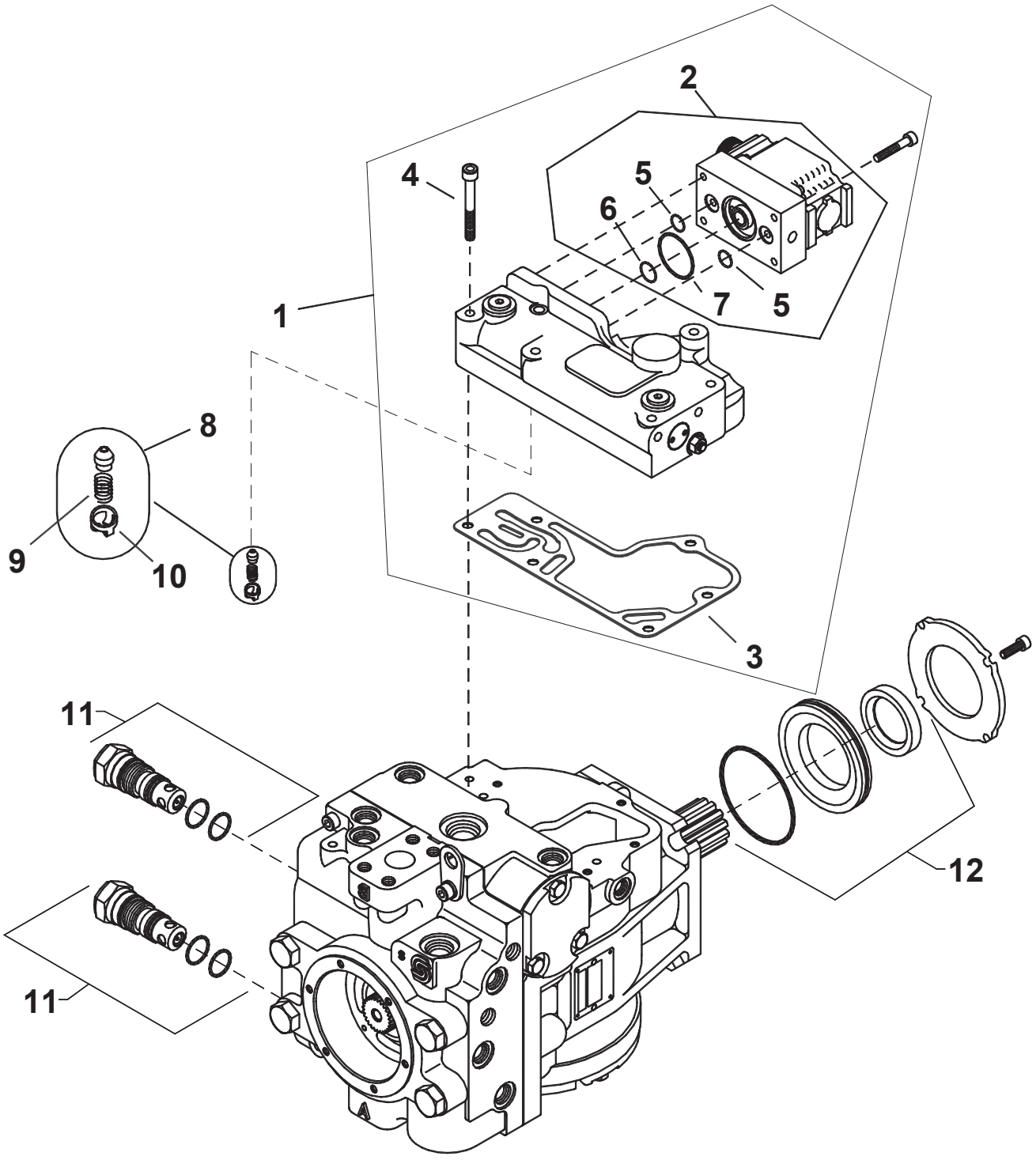
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ASSEMBLY-PUMP TEST PORT PANEL (242325-03)



ITEM #	PART #	DESCRIPTION	QTY
1	242269-03	DETAIL-TEST PORT BRACKET	1
2	236442-04	TEST PORT, BULKHEAD	12
3	87328-04	WASHER ~ LOCK 5/16" SPRING STEEL	2
4	225731-04	5/16-18 X 3/4 UNC HEX FLANGE HEAD BOLT	2
5	242324-04	TEST HOSE LONG 71"	12

ASSEMBLY, C-1 & C-2 PUMP
(99814)

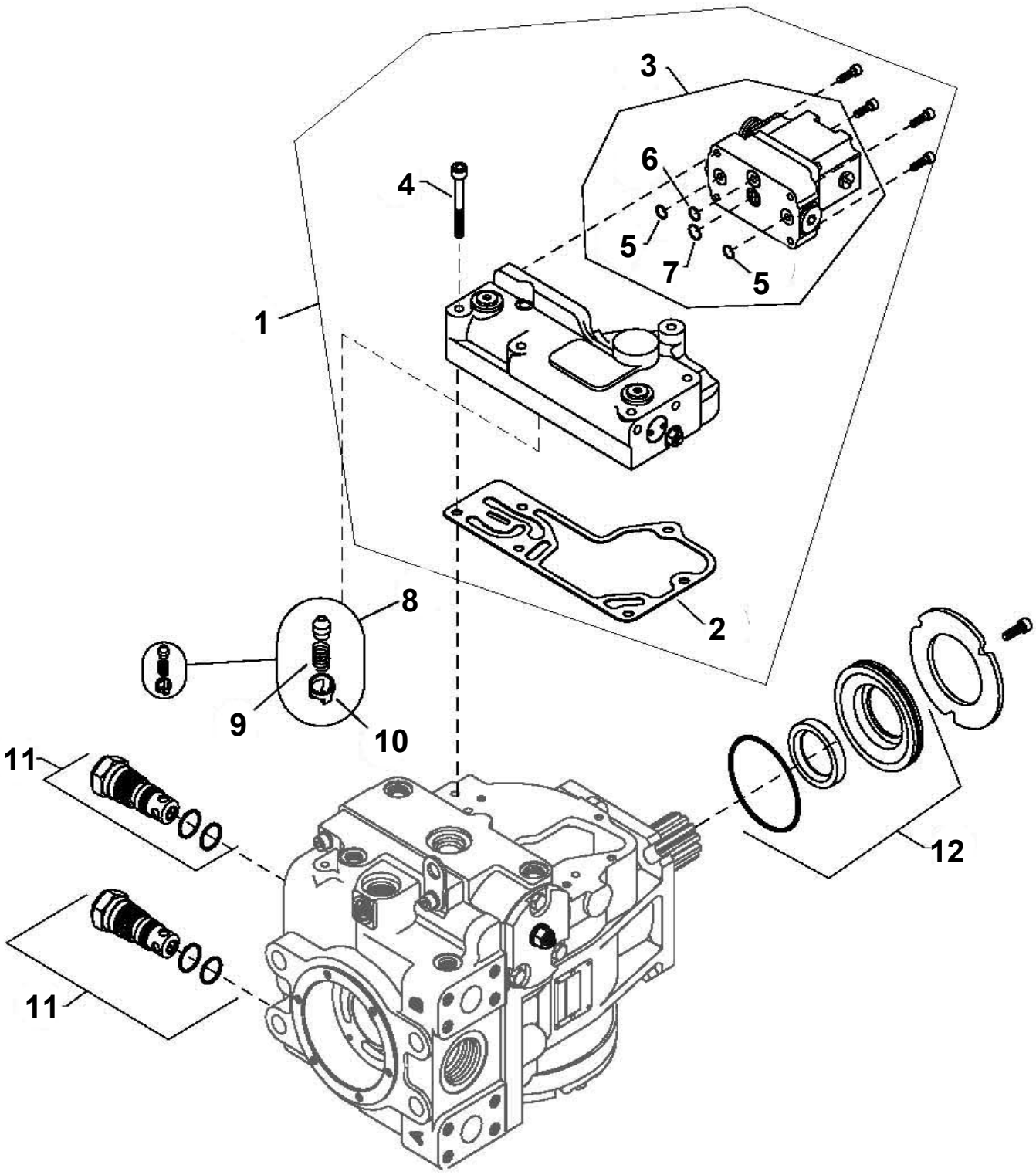


ASSEMBLY, C-1 & C-2 PUMP
(99814)

ITEM #	PART NO.	DESCRIPTION	QTY.
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
13			
14			
15			

CODE: 90-L-100-KA-1-CD-60-S-3-F1-E-03-GBA-42-42-24-P010

ASSEMBLY, C-3 PUMP
(233849-04)

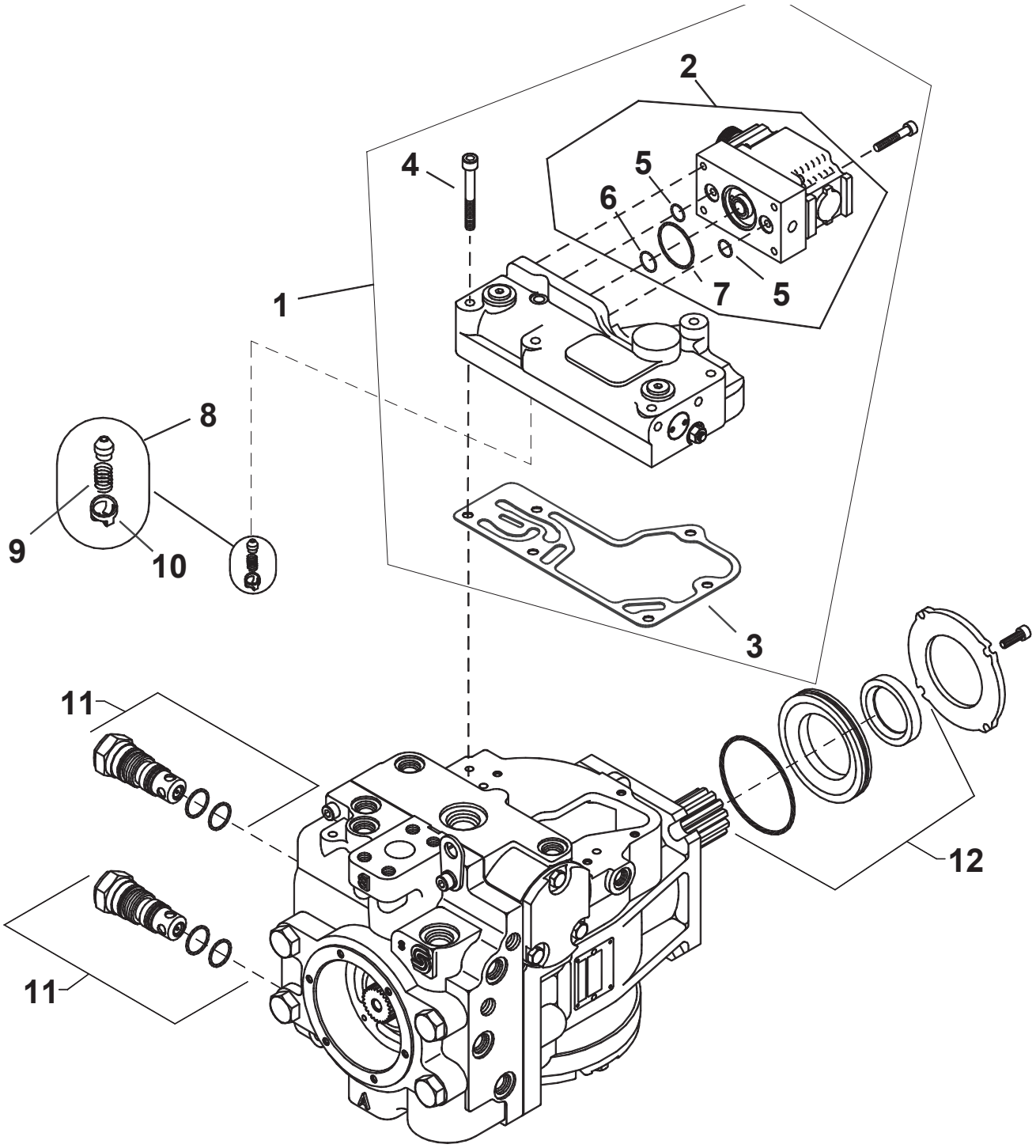


ASSEMBLY, C-3 PUMP
(233849-04)

ITEM #	PART NO.	DESCRIPTION	QTY.
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
13			
14			
15			

CODE: 90-L-075-KA-1-NN-60-S-4-SI-D-03-GBA-42-42-24

ASSEMBLY, PROPEL PUMP
(233837-04)

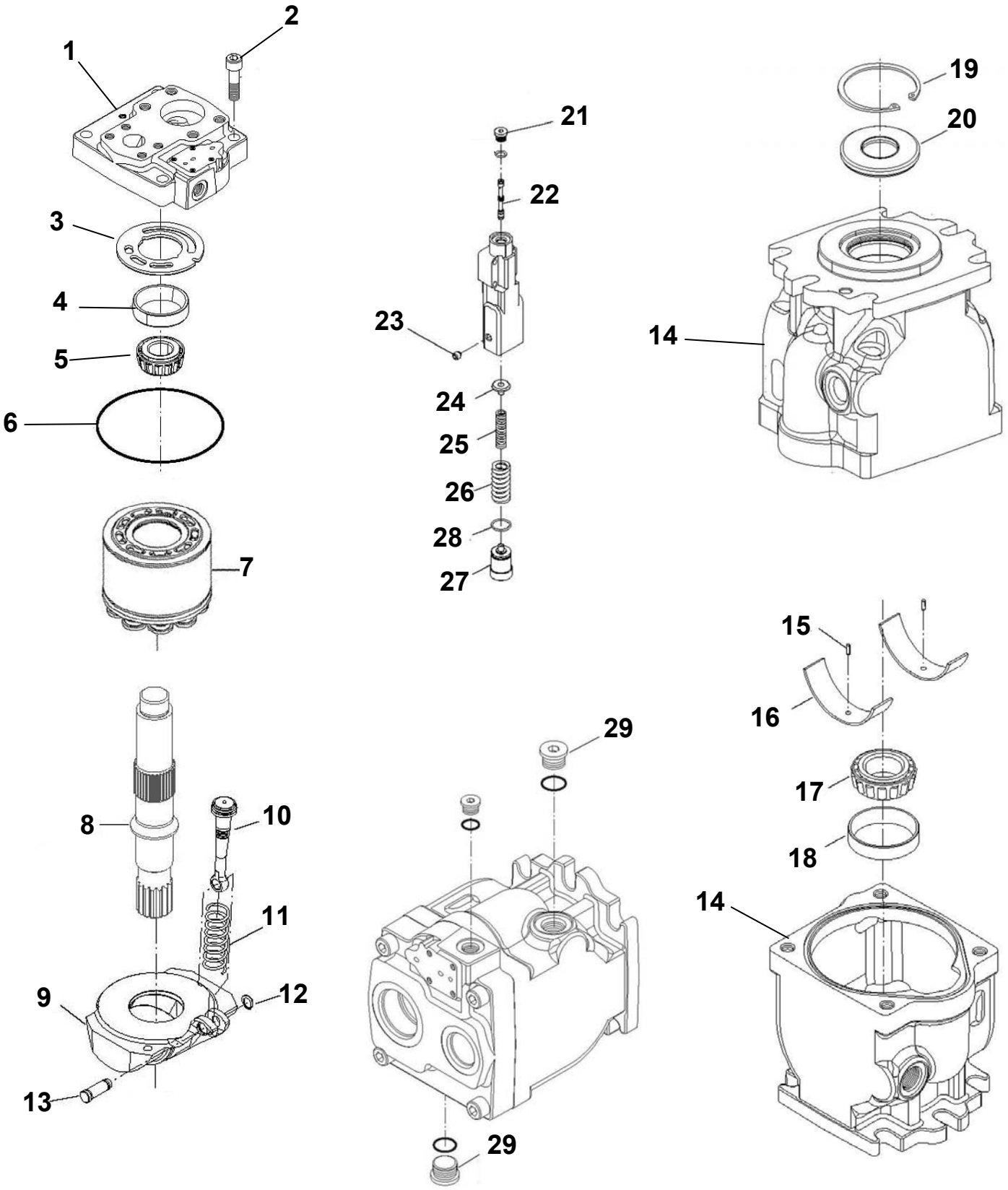


ASSEMBLY, PROPEL PUMP
(233837-04)

ITEM #	PART #	DESCRIPTION	QTY.
1	29J94-C13	EDC KIT	
2	142125-C2	GASKET	
3	125297-C4-1	PCP	
4	142125-C4	SCREW	
5	142125-C5	O-RING	
6	142125-C6	O-RING	
7	142125-C7	O-RING	
8	142125-C8	CONTROL ORIFICE	
9	142125-C9	SPRING	
10	142125-C10	SPRING RETAINER	
11	29J94-C10	MULTI-FUNCTION VALVE	
12	142125-C11	SHAFT SEAL KIT	

90-L-100-KA-1-CE-6-S-4-F1-G-03-GBA-42-42-24

AUXILIARY PUMP
(217790-03)



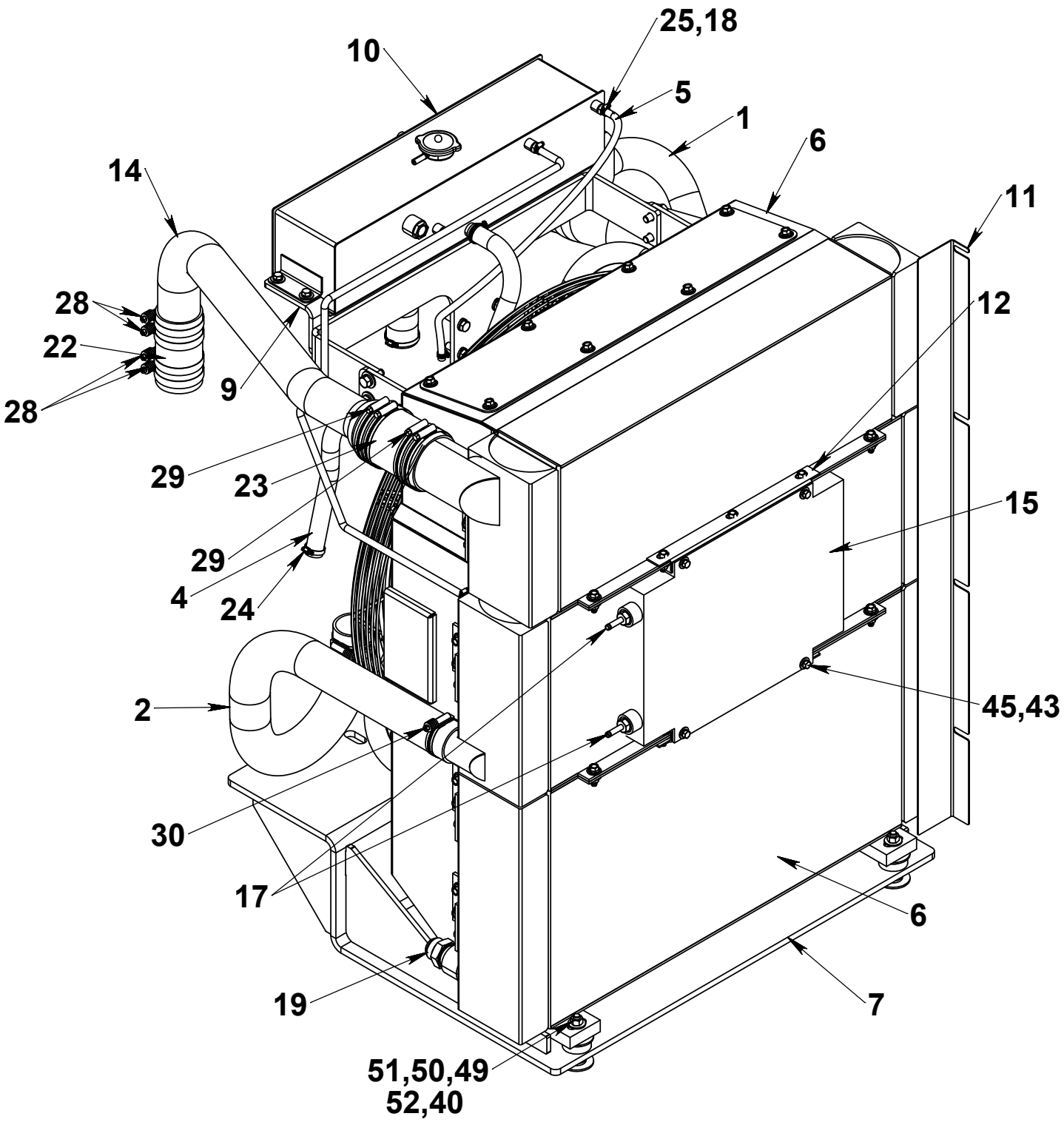
AUXILIARY PUMP
(217790-03)

JR-L-060B-PC-18-NN-NN-N-3-S1N2-A2N-NNN-NNN-NNN

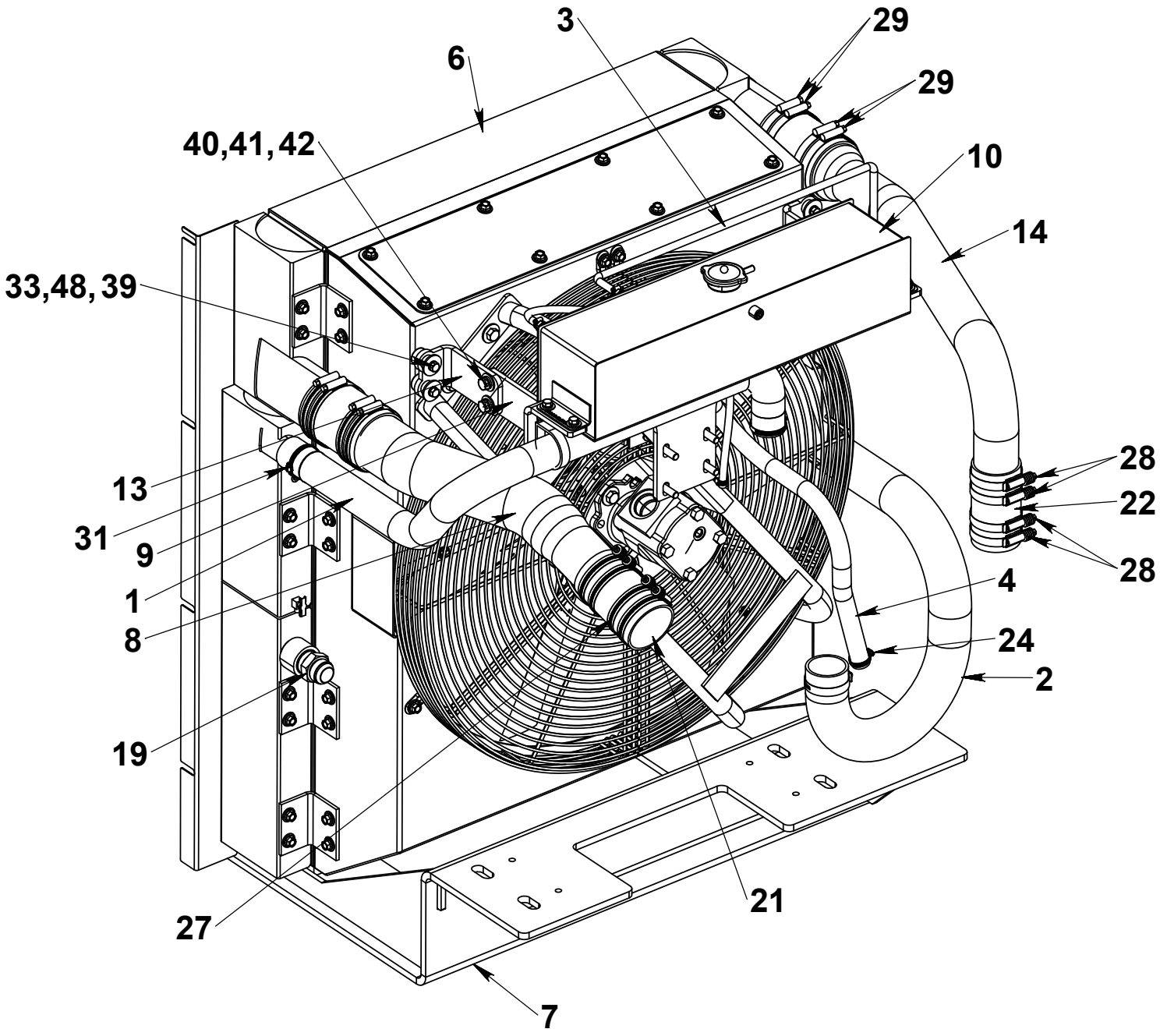
ITEM #	PART NO.	DESCRIPTION	QTY.
1	211743-04-C1	END CAP	1
2	211743-04-C2	SCREW - SOC. HD.	4
3	211743-04-C3	PLATE, VALVE	1
4	211743-04-C4	BEARING CUP	1
5	211743-04-C5	BEARING CONE	1
6	211743-04-C6	SEAL - ENDCAP	1
7	211743-04-C7	CYL. BLOCK ASSY.	1
8	211743-04-C8	SHAFT - PUMP	1
9	211743-04-C9	SWASHPLATE	1
10	211743-04-C10	SERVO ASSY.	1
11	211743-04-C11	SPRING, BIAS	1
12	211743-04-C12	RING-RTG. EXT.	1
13	211743-04-C13	PIN, HEADED	1
14	211743-04-C14	HOUSING	1
15	211743-04-C15	PIN, COILED	2
16	211743-04-C16	BEARING - JOURNAL	2
17	211743-04-C17	BEARING - CONE	1
18	211743-04-C18	BEARING - CUP	1
19	211743-04-C19	POISTNY KRUZOK	1
20	211743-04-C20	SHAFT SEAL	1
21	211743-04-C21	PLUG ASSY.	1
22	211743-04-C22	SPOOL CONTROL	1
23	211743-04-C23	SET SCREW	1
24	211743-04-C24	GUIDE - PC SPRING	1
25	211743-04-C25	SPRING - PC INNER	1
26	211743-04-C26	SPRING - PC OUTER	1
27	211743-04-C27	PLUG, PC ADJUSTING	1
28	211743-04-C28	O-RING	1
29	211743-04-C29	PLUG ASSY.	2
30			

ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)

NEXT PAGE



ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)



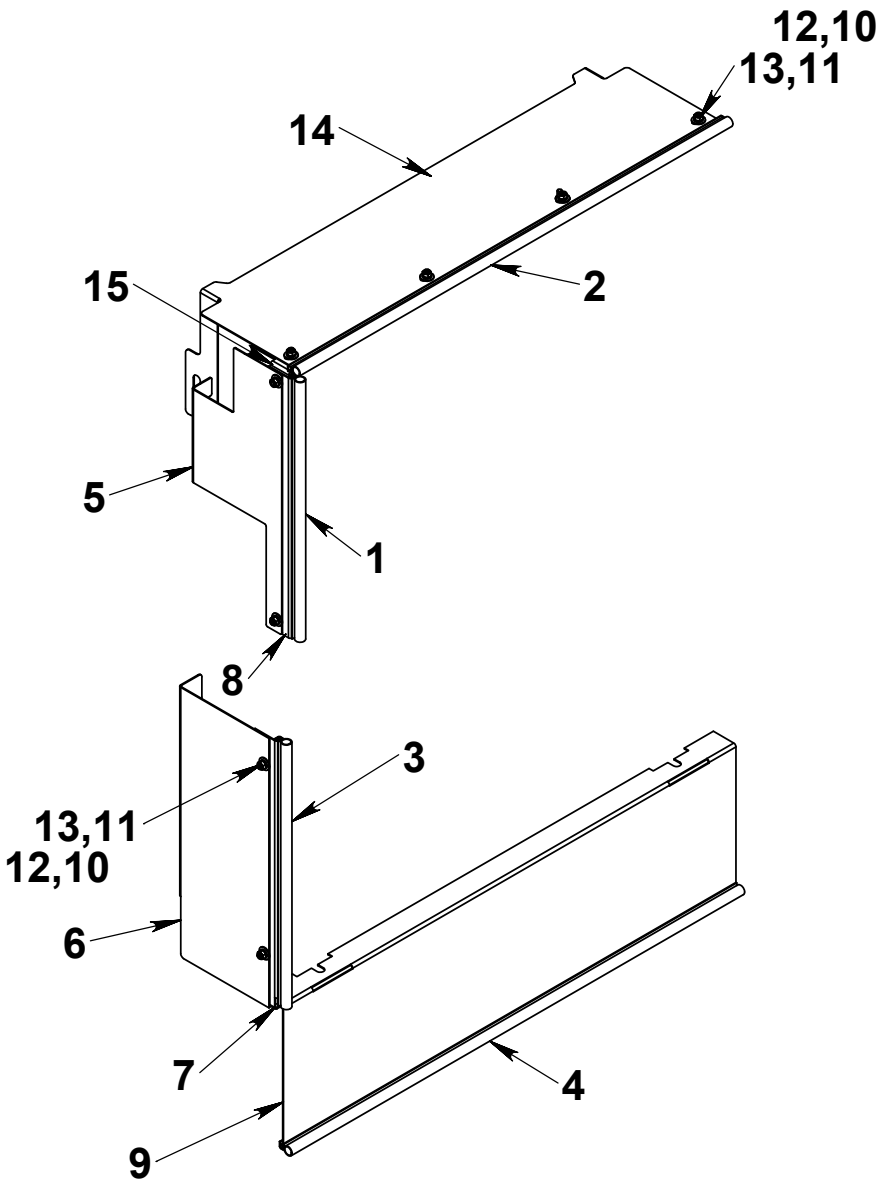
ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	241453-01-1	2" RADIATOR HOSE x 60 " LG.	1
2	241453-01-2	HOSE * 2 1/2"ID. X 46" RADIATOR	1
3	241453-01-3	HOSE, 1/4 FUEL LINE X 60" LG.	1
4	241453-01-4	HOSE * 1" RADIATOR x 42"	1
5	241453-01-5	HOSE, 1/4" FUEL LINE X 36" LG.	1
6	241489-03	COOLING PACKAGE - SB-2500EX	1
7	241492-03	WLDT-COOL. PACKAGE SUPPORT, BOTTOM	1
8	241615-03	DETAIL-AIR TUBE,2500EX ENGINE INLET	1
9	241571-03	WELDMENT-SUPPORT BRACKET	1
10	242147-03	TANK * TOP TANK TIER 4	1
11	241973-03	DETAIL-RADIATOR FLASHING	1
12	216337-03	WLDT-FUEL COOLER SUPPORT BRACKET	2
13	203210-03	DETAIL-TOP SUPPORT EXTENSION	2
14	241586-03	DETAIL-CHARGE AIR TUBE, TURBO OUTLET	1
15	203544-03	ENGINES-COOL * FUEL COOLER	1
16	146736	FLUIDS*COOLING ADDITIVE-1 QUART BTL	1
17	218301-04	CONNECTOR, 8 MALE SAE TO 6 HOSE	2
18	91846-04	1/4" NPT - 1/4" BARB	4
19	84244-04	FIT * CONNECTOR 20 JIC - 20 SAE M	2
20	98247	PLUG 1/4" NPT CSK SOC. HD. BRASS	2
21	216448-04	COUPLING* 3 1/2" CHARGE AIR COOLING RUBBER	1
22	216447-04	COUPLING* 3" CHARGE AIR COOLING RUBBER	1
23	216449-04	COUPLING* 4" CHARGE AIR COOLING RUBBER	2
24	23H31	CLAMP ~ 1 1/4" WORM	2
25	94904	CLAMP * HOSE 1/4"	5
26	205668-04	CLAMP RUBBERIZED	1
27	90084-04	CLAMP * CONSTANT TORQUE	4
28	90085-04	CLAMP * 3 1/2 T-BAR	4
29	133591	CLAMP ~ 3 5/8"TO 4 5/8" CONSTANT TORQUE	8
30	86003-04	CLAMP * 2 1/4 X 3 1/8 CONSTANT-TORQ	2
31	122629	CLAMP * 1 3/4 X 2 5/8 CONSTANT-TORQ	2
32	83757	WASHER ~ FLAT 3/8 STEEL	4
33	83056	WASHER ~ LOCK 3/8 SPRING STEEL	8
34	86127-04	BOLT * HEX 3/8"-16 X 3/4"	4
35	87849	BOLT * HEX 1/4"-20 X 1 1/2"	1
36	84444	WASHER * FLAT 1/4" STEEL	1
37	83065	WASHER * LOCK 1/4" SPRING STEEL	1
38	89772	NUT * 1/4"-20 HEX GRADE 8	1
39	96475	BOLT ~ HEX 3/8"-16 X 2"	4
40	83781-04	WASHER * FLAT 1/2" STEEL	6
41	83317	WASHER * LOCK 1/2" SPRING STEEL	8
42	93144	BOLT * HEX 1/2"-13 X 1 1/2"	4
43	90871	WASHER ~ FLAT 5/16" STEEL	4
44	87328-04	WASHER ~ LOCK 5/16" SPRING STEEL	4
45	87329-04	BOLT ~ HEX 5/16"-18 x 3/4"	4

ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)

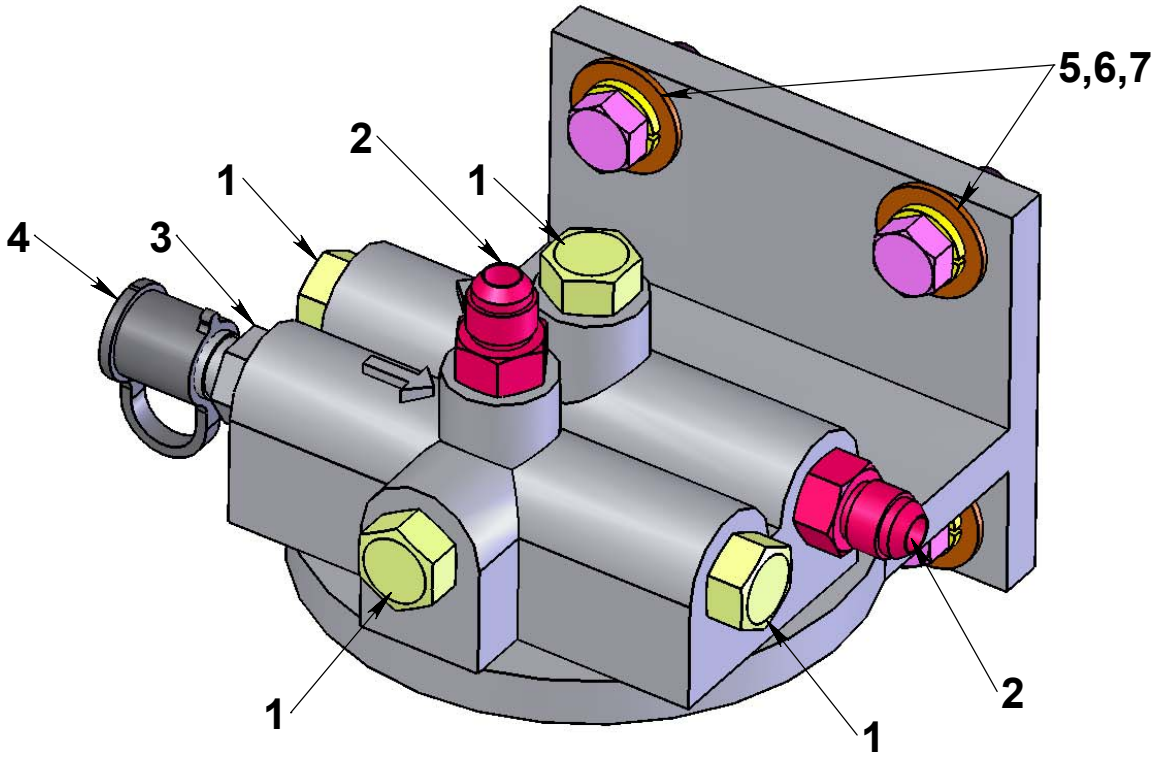
ITEM #	PART #	DESCRIPTION	Default/ QTY
46	01190	BOLT * HEX M12-1.75 X 40 8.8 933	4
47	203225-03	RUBBER MOUNT * 3/8" BOLT SIZE	4
48	203227-03	RUBBER MOUNT * HEAD & TAIL WASHER	4
49	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	2
50	84431-04	BOLT * HEX 1/2"-13 X 4"	2
51	203228-03	RUBBER MOUNT * HEAD WASHER (CBA20)	4
52	203226-03	RUBBER MOUNT * 1/2" BOLT SIZE	2

ASSEMBLY-COOLER SHROUD 2500EX (243681-01)



ITEM #	PART #	DESCRIPTION	QTY
1	243681-01-1	5/8 BULB TRIM - SIDE MOUNT 19 7/8	1
2	243681-01-2	5/8 BULB TRIM - TOP MOUNT 38 1/4	1
3	243681-01-3	5/8 BULB TRIM - SIDE MOUNT 20 1/4	1
4	243681-01-4	5/8 BULB TRIM - BOTTOM MOUNT 40"	1
5	244761-03	DETAIL-COOLER SHROUD SIDE UPPER	1
6	244720-03	DETAIL-COOLER SHOUD 2500EX	1
7	243721-03	DETAIL-COOLER SHROUD SIDE SL.-T	1
8	243722-03	DETAIL-COOLER SHROUD SIDE SL.-B	1
9	243686-03	DETAIL-COOLING SHROUD BOTTOM 2500EX	1
10	90871	WASHER ~ FLAT 5/16" STEEL	19
11	87329-04	BOLT ~ HEX 5/16"-18 x 3/4"	9
12	87328-04	WASHER ~ LOCK 5/16" SPRING STEEL	10
13	87953-04	NUT ~ 5/16"-18 HEX GRADE 8	9
14	244685-03	DETAIL-COOLING SHROUD TOP 2500EX	1
15	243714-03	DETAIL-COOLING SHOUD TOP SL 2500EX	1

ASSEMBLY-FUEL / WATER SEPARATOR (232396-03)

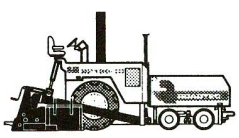


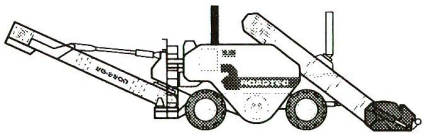
ITEM #	PART #	DESCRIPTION	Default/QTY
1	84635-04	FIT * PLUG 6 SAE	4
2	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	2
3	85948-04	FIT * TEST PORT 6 SAE	1
4	85949-04	FIT ~ TEST PORT QD CAP 3/8	1
5	84332	BOLT * HEX 3/8"-16 X 1"	4
6	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
7	83757	WASHER ~ FLAT 3/8 STEEL	4

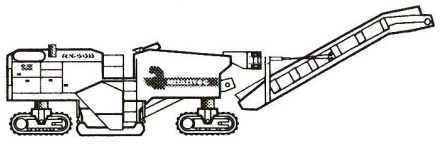
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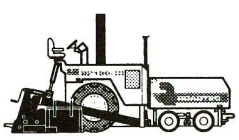
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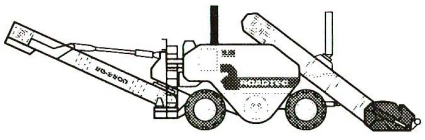
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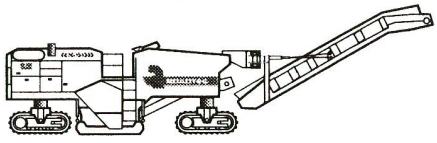
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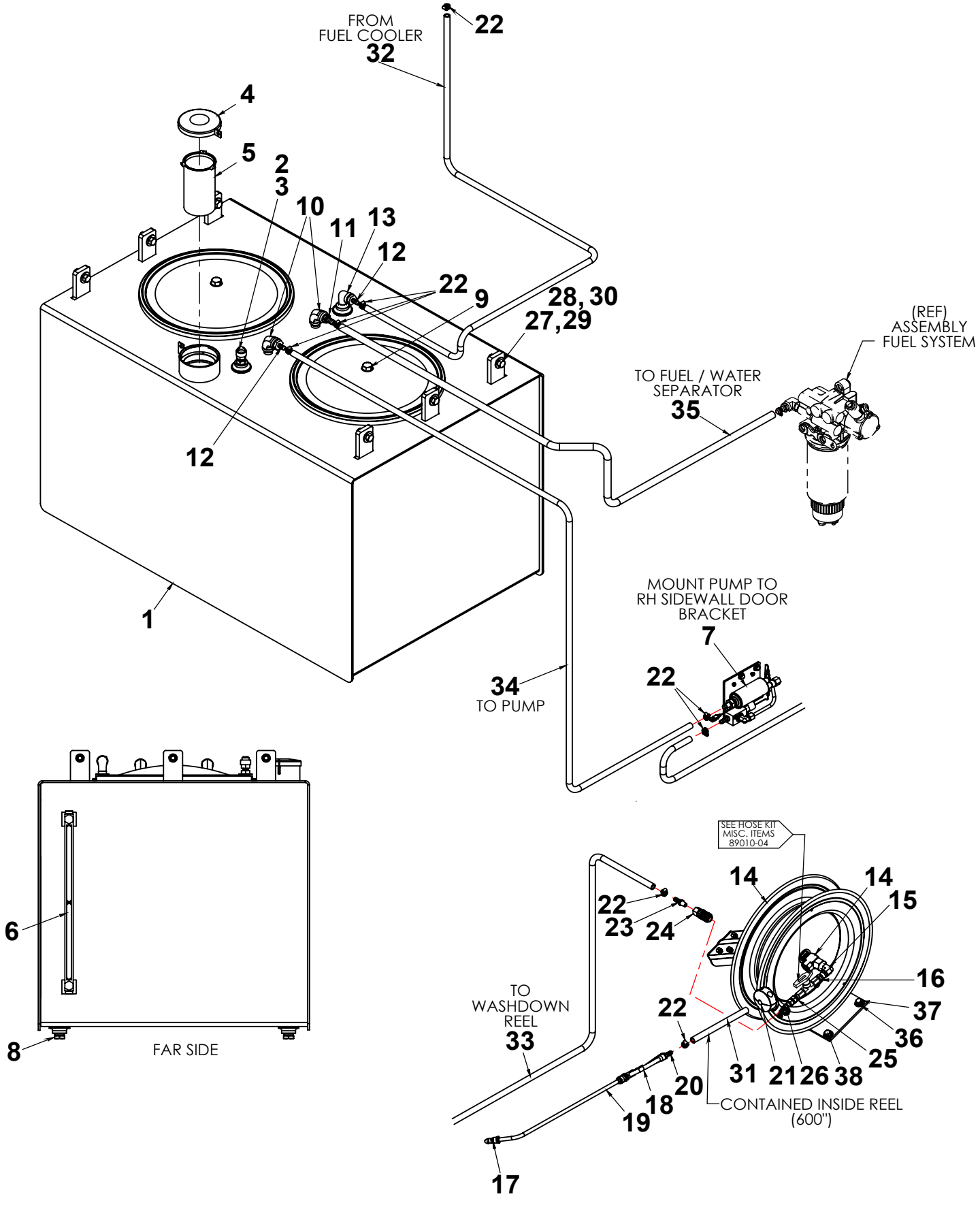
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SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
FUEL TANK & WASHDOWN	244553-01	2045 & UP	2.1
MAINFRAME	244610-01		2.3
DECAL KIT	242848-01	2013 & UP	2.7
HOOD & SLIDING PLATFORM	244136-01		2.21
SLIDING PLATFORM	243949-01		2.27
HOOD RAILS	244135-01		2.29
HOOD INSULATION	240636-01		2.31
HOOD HEAT INSULATION	240637-01		2.32
MIRROR	202080-01		2.34

ASSEMBLY- FUEL TANK
(244553-01)

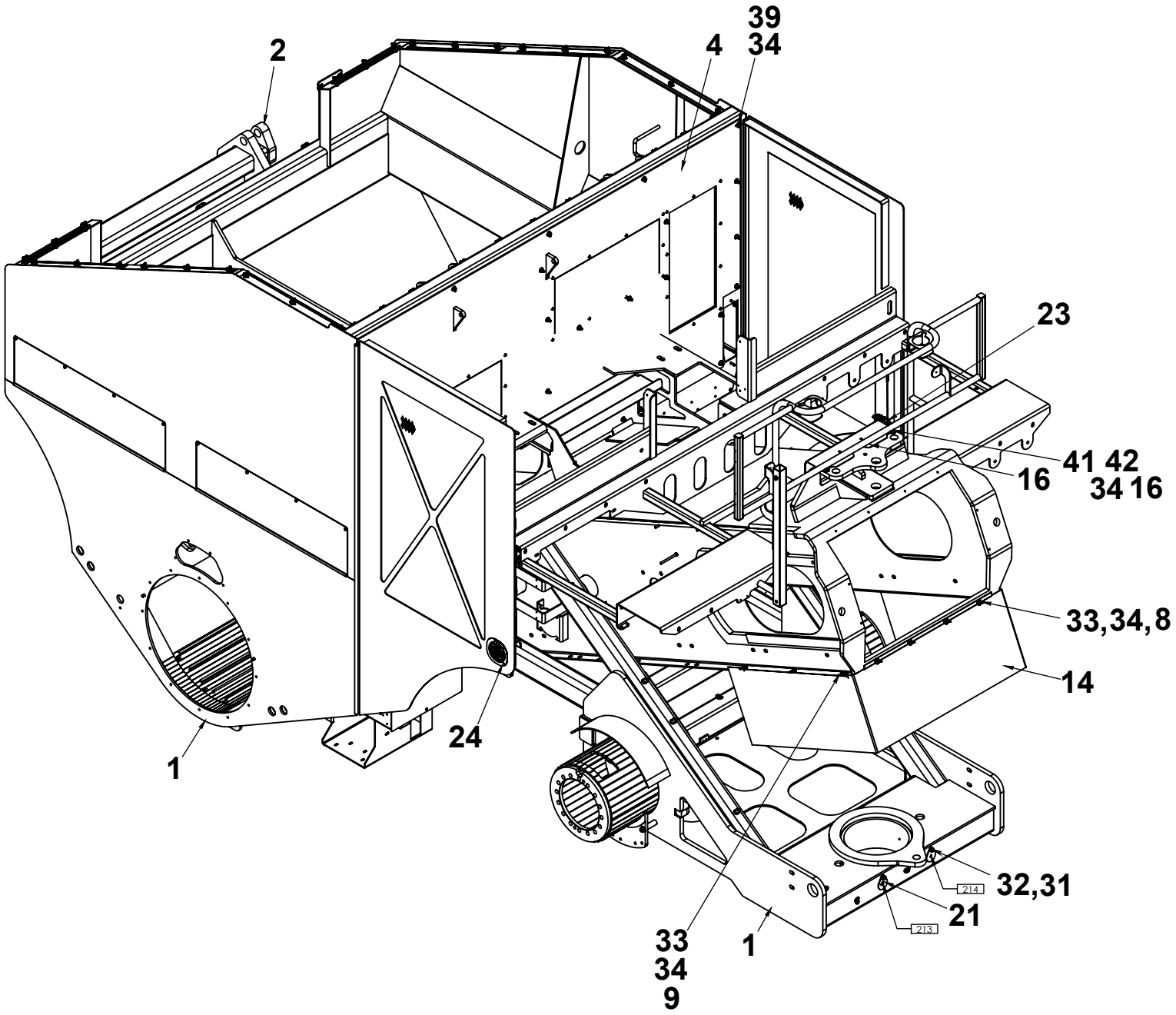


ASSEMBLY- SB-2500e FUEL TANK
(244553-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	244552-01	WELDMENT-FUEL TANK	1
2	89608	FIT * 1/2"NPTM X 1/4"NPTF RED.BUSH.	1
3	27X25	VALVE * FUEL TANK VENT 15-20 PSI	1
4	98027	ENGINE ~ FUEL CAP (NON-VENTED)	1
5	803546	FILTER * STRAINER	1
6	29L61	GAUGE * FUEL TANK LEVEL SIGHT TUBE	1
7	241706-02	ASSEMBLY * AIRTEX FUEL PUMP 24V	1
8	97032	PIPE PLUG ~ 3/4" NPT HEX HEAD	2
9	208510-04	COVER * 16" RESERVOIR	2
10	205698-04	FIT * 1/2 90 NPT FEMALE A576 STL	2
11	136028-04	HOSE BARB * 1/2 NPT-1/2 BARB	1
12	91594	HOSE BARB * 1/2" NPT - 3/8" BARB	2
13	138868-04	PLUMB*1/2 NPT 90 STREET A576	1
14	131616-04	HOSE REEL * HEAVY DUTY 35	1
15	85466-04	FIT * ELBOW 6 JIC X 3/8 NPT 90 DEG	1
16	86622-04	FIT * 1/4 NPT M - 6 JIC FEM SWIVEL	1
17	128843	SPRAY NOZZLE 289-4590	1
18	128842	HAND SHUT OFF	1
19	128844	WAND-EXT 18" 318-5238	1
20	80553-04	HOSE BARB * BARBED 1/8" X 3/8"	1
21	145619-04	RUBBER * RUBBER STOP	1
22	45228	CLAMP * 3/8"- 1/2 WORM	8
23	80349-04	HOSE BARB * 1/4"NPT X 3/8" BARB	1
24	85947-04-C3	KIT * FEMALE TESTPORT DISCONNECT	1
25	86170-04	FIT * ADAPTER 6 JIC -1/4 NPT M.	1
26	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	1
27	93144	BOLT * HEX 1/2"-13 X 1 1/2"	6
28	83317	WASHER * LOCK 1/2" SPRING STEEL	6
29	83781-04	WASHER * FLAT 1/2" STEEL	6
30	83288	NUT * 1/2"-13 HEX GRADE 8	6
31	227025-01-31	HOSE, 3/8 FUEL & WATER X 600" LG.	1
32	227025-01-32	HOSE, 3/8 FUEL & WATER X 66" LG.	1
33	227025-01-33	HOSE, 3/8 FUEL & WATER X 70"	1
34	227025-01-34	HOSE, 3/8 FUEL & WATER X 100"	1
35	240547-01-35	HOSE * 1/2 FUEL X 96" LG	1
36	83757	WASHER ~ FLAT 3/8 STEEL	4
37	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
38	84332	BOLT * HEX 3/8"-16 X 1"	4

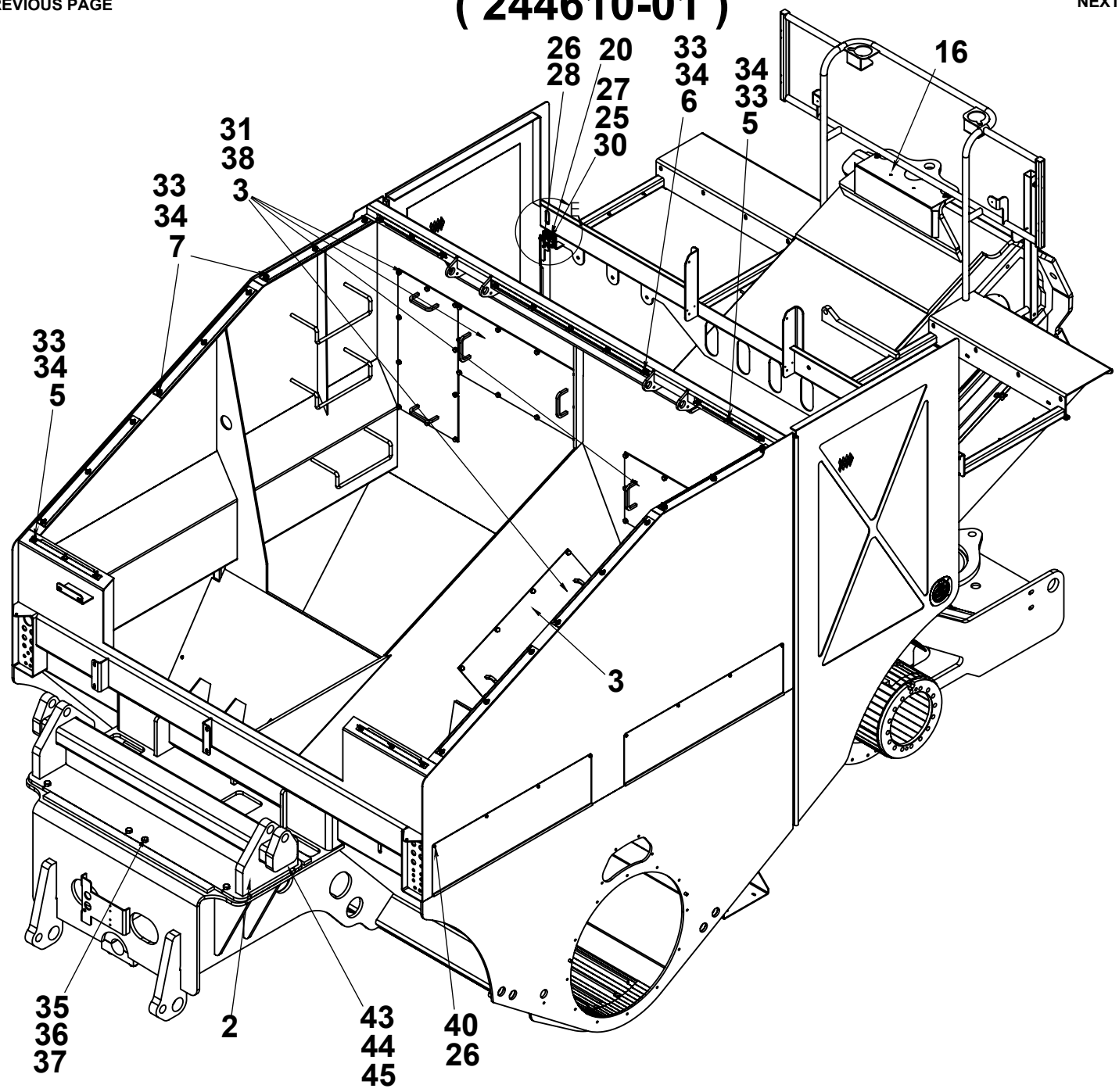
ASSEMBLY- MAINFRAME SB-2500e T4
(244610-01)

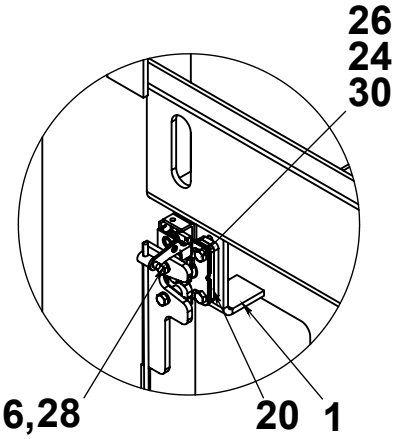
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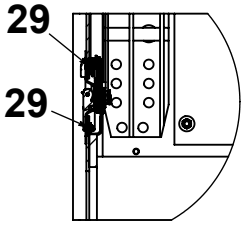
ROADTEC
an Astec Industries Company

ASSEMBLY- MAINFRAME SB-2500e T4
(244610-01)





DETAIL E

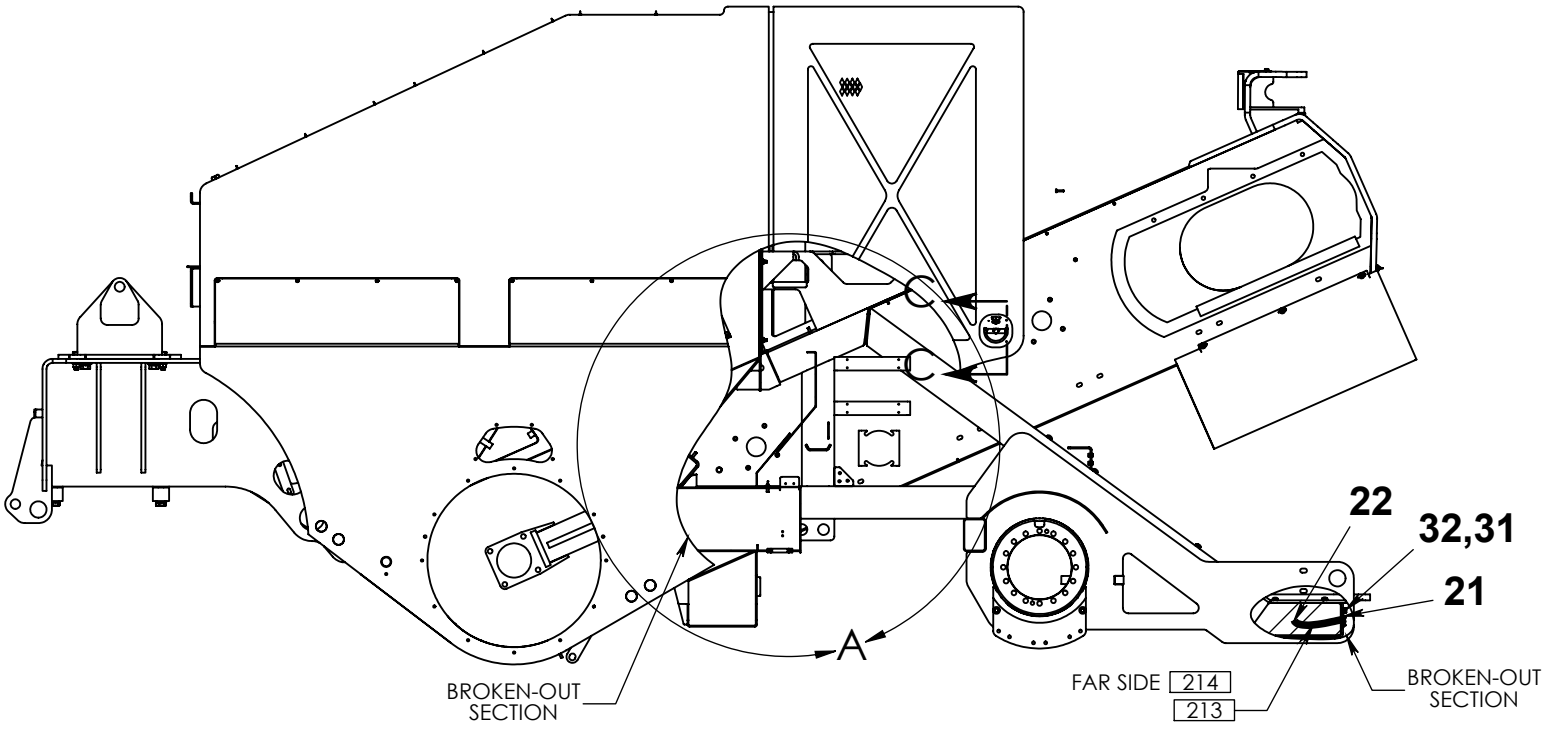


SECTION C-C

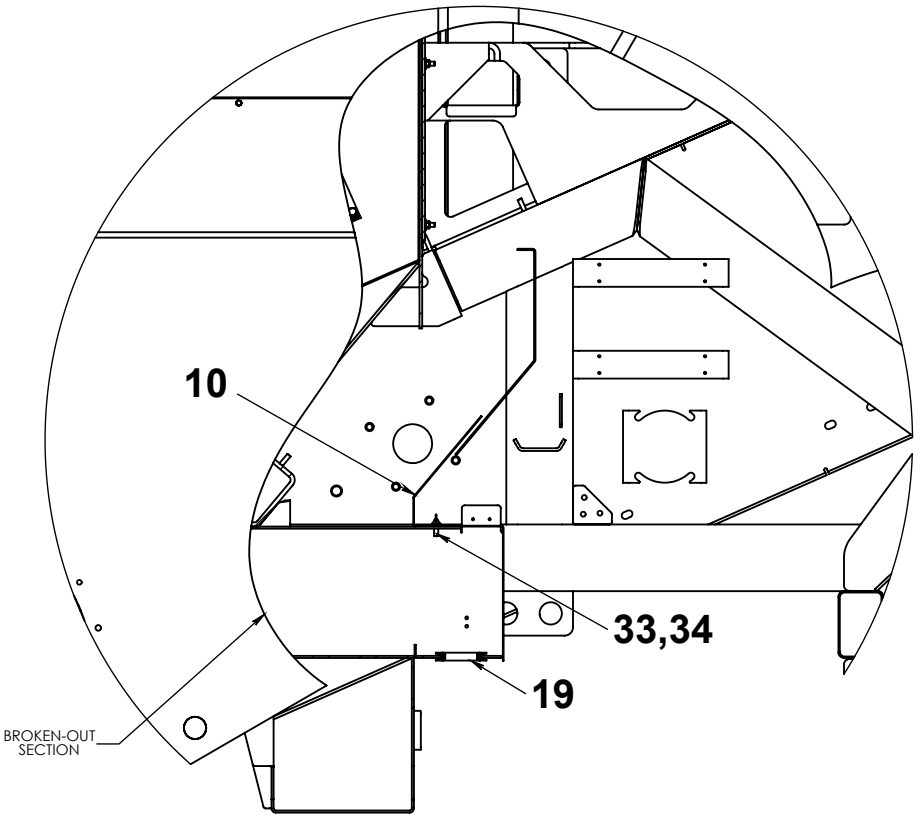
ROADTEC
an Astec Industries Company

PREVIOUS PAGE

ASSEMBLY- MAINFRAME SB-2500e T4
(244610-01)



LEFT SIDE VIEW



DETAIL A

ROADTEC an Astec Industries Company

ASSEMBLY- MAINFRAME SB-2500e T4
(244610-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	243016-01	WELDMENT-MAINFRAME SB-2500E T4	1
2	234783-01	WELDMENT-RIGID C1 PIVOT	1
3	133318-01	WELDMENT-ACCESS COVER	4
4	242206-01	INSULATION-REAR WALL SB-2500E T4	1
5	224214-03	DETAIL-CANVAS CLAMP BAR 19 1/2"	4
6	200146-03	DETAIL-CANVAS CLAMP BAR 44 1/4"	1
7	204707-03	DETAIL-CANVAS CLAMP BAR 30"	6
8	148179-03	CANVAS CLAMP BAR ~ 38"	1
9	147387-03	DETAIL-CANVAS CLAMP BAR 34"	2
10	235986-03	DETAIL-BATTERY BOX LID-SB-2500E T4	1
11	128390	GREASE NIPPLE COVER (RED OR BLACK)	65
12	83657-04	WIRE TIE * 1/8" X 7" NYLON (NOT SHOWN)	150
13	83905-04	WIRE TIE * 1/4" X 14" NYLON (NOT SHOWN)	150
14	129119-01	COVER * VINYL FOR FUME COLLECTOR	1
15	144258-01R	COVER * RH SIDE HOPPER CANVAS-2500B (NOT SHOWN)	1
16	241482-03	WELDMENT-C3 PIVOT GUARD SB-2500E	1
17	144258-01L	COVER * LH SIDE HOPPER CANVAS-2500B (NOT SHOWN)	1
18	205446-01	COVER * OPERATORS ACCESS CANVAS (NOT SHOWN)	1
19	235957-01-19	MOLDING * 1/2" INTERLOCK 10"	1
20	246106-03	DETAIL-LATCH SPACER, 2500E	4
21	235242-03	DETAIL-GREASE LINE BRACKET	2
22	83742-04	FIT ~ CONNECTOR 4 JIC - 1/8" NPT M.	2
23	245262-03	HANDLE-EZ GRAB EGA RTC-001-LH	1
24	244534-03	HANDLE-EZ GRAB EGA RTC-001-RH	1
25	84444	WASHER * FLAT 1/4" STEEL	5
26	11K76C1	WASHER * 1/4-20 NYLON LOCK GRADE 8	4
27	89772	NUT * 1/4"-20 HEX GRADE 8	5
28	89773	BOLT * HEX 1/4"-20 X 1"	4
29	121687	SCREW * 10-32 X 3/8" SLOT ROUND CAP	4
30	90763	BOLT * HEX 1/4"-20 X 1 1/4"	6
31	83317	WASHER * LOCK 1/2" SPRING STEEL	42
32	93144	BOLT * HEX 1/2"-13 X 1 1/2"	2
33	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	47
34	83757	WASHER ~ FLAT 3/8 STEEL	80
35	95930	BOLT * HEX 3/4"-10 X 2 3/4"	8
36	95937	WASHER * FLAT 3/4" HARD	8
37	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	8
38	86164	BOLT * HEX 1/2"-13 X 1 1/4"	40
39	83055	NUT * 3/8-16 HEX GRADE 8	31
40	89988-04	BOLT * HEX 1/4"-20 X 3/4"	16
41	84332	BOLT * HEX 3/8"-16 X 1"	2
42	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
43	97316	BOLT * HEX 1"-8 X 3"	4
44	83427	WASHER ~ LOCK 1" SPRING STEEL	4
45	10S89	WASHER ~ FLAT 1" A325	4

DECAL KIT, SB-2500eX
(242848-01)

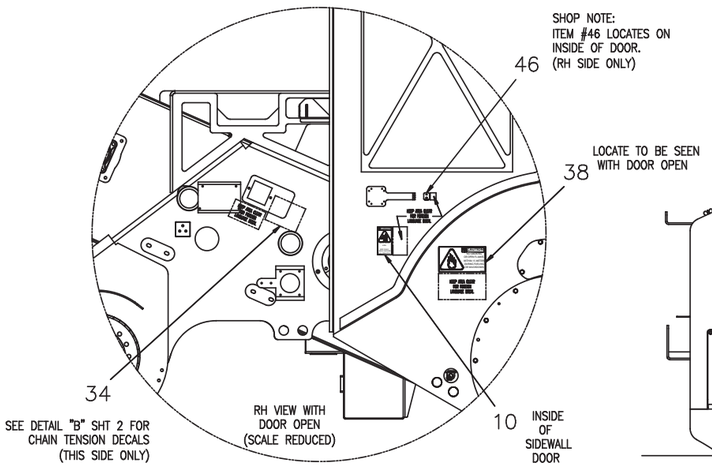
ITEM	IDENT	DESCRIPTION	QTY
1	236389-02	DECAL* HAND PUMP INSTRUCTIONS	1
2	241524-04	DECAL* CONVEYOR ADJUSTMENT	6
3	241798-04	DECAL* WARNING! DISCHARGE AREA	2
4	241884-03	DECAL* BATTERY WARNING	1
5	211262-04	DECAL* WARNING DISCHARGE AREA	2
6	95906-03	DECAL* AMERICAN FLAG - 8 1/4" X 15"	2
7	95875-02	DECAL* SHUTTLE BUGGY (BLUE)	2
8	211263-04	DECAL* PINCH POINT	7
9	241806-04	DANGER! CRUSH ZONE SET SAFETY SUPPORTS	4
10	211266-04	DECAL* DANGER! PINCH/CRUSH AREA	6
11	211256-04	DECAL* EAR PROTECTION	2
12	211259-04	DECAL* DANGER! PINCH/CRUSH AREA	2
13	-	-	-
14	242807-04	DECAL* SB-2500eX	2
15	131690-04	DECAL* PATENT PLATE	REF
16	99535-04	DECAL* WASHDOWN	1
17	96088-04	DECAL* GREASE HERE (1" X 2")	42
18	223987-04	DECAL* USE 50/50 WATER/ANTIFREEZE MIX	1
19	144443-04	DECAL* C3 CLEAN OUT DOOR	1
20	241814-04	DECAL* CAUTION NO SMOKING	1
21	95885-04	DECAL* DIESEL FUEL ONLY	1
22	211274-04	DECAL* TOW TIE DOWN POINT	4
23	89716-04	DECAL* SLOW MOVING SAFETY	1
24	89715-04	DECAL* FUEL	1
25	242771-01	DECAL* SB-2500eX LUBE CHART	1
26	211265-04	DECAL* DANGER! PINCH/CRUSH AREA	5
27	122129-04	DECAL* FIRE EXTINGUISHER	1
28	229618-03	DECAL* C3 LIFT WARNING	2
29	236591-04	DECAL* NO STARTING FLUID, T4	2
30			
31			
32	211257-03	DECAL ~ NOTICE OIL LEVEL	1
33	135910-04	DECAL* FXS TRADEMARK	2
34	241628-03	DECAL* CHAIN TENSION GUIDE	3
35	241787-03	DECAL* HYDRAULIC TANK	1
36	241591-04	DECAL* DANGER! CRUSH & TIRE PRESSURE	4
37	241585-03	DECAL* DANGER! NO RIDERS (ON FUEL TANK)	2
38	211264-04	DECAL* CAUTION! NO SMOKING	2
39	211268-04	DECAL* DANGER! ENTANGLEMENT HAZARD	5
40	241818-03	DECAL* CENTER CONSOLE	2
41	239666-01	DECAL* VALVE LABELS (SEE VALVE LABEL NOTE)	1
42	242339-03	DECAL* VALVE LABELS (SEE VALVE LABEL NOTE)	1
43	92870-04	DECAL* SERIAL NUMBER ID. PLATE	REF
44	129611	DECAL* BLACK & YELLOW CAUTION TAPE	REF
45	-	-	-

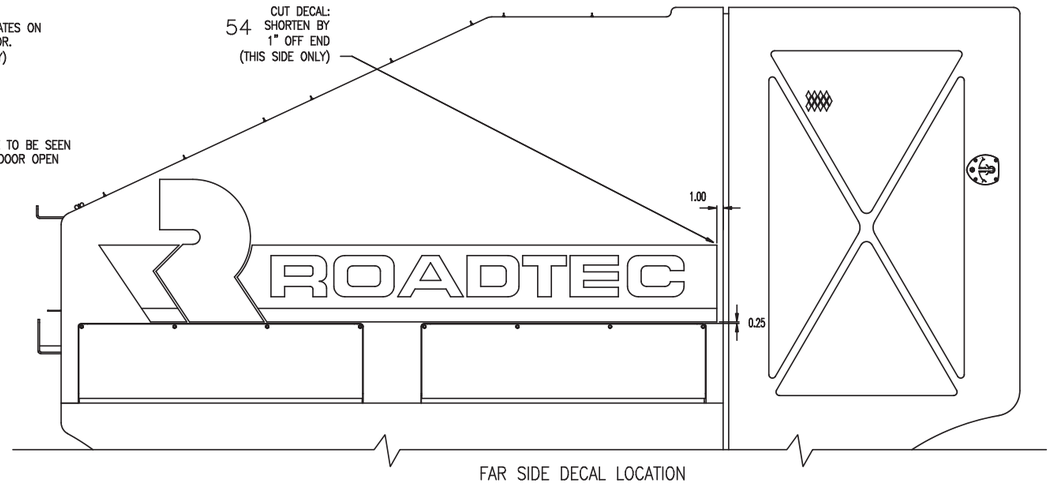
DECAL KIT, SB-2500eX
(242848-01)

ITEM	IDENT	DESCRIPTION	QTY
46	202078-04	ON/OFF DECAL	1
47	240439-04	DECAL* CLOSE GATES, DRIVER CONSOLE	1
48	241807-04	DECAL* BATTERY LOCKOUT/TAGOUT	1
49	211276-04	DECAL* UNAUTHORIZED PERSONNAL-KEEP BACK	2
50	211269-04	DECAL* SAFE TRAVEL GRADE	1
51	211270-04	DECAL* WARNINGI BURN HAZARD	7
52	211348-04	DECAL* SAFE TRAVEL GRADE	1
53	211275-04	DECAL* TIE DOWN POINT	8
54	222308-01	DECAL* ROADTEC W/ R LOGO, 99"	2
55	213603-04	DECAL* 3M REFLECTION TAPE DOT RED/WHITE	REF
56	83908-04	RIVET* GAMD45A/1/8" X 1/2"	REF
57	225311-03	DECAL* DANGER ENTANGLEMENT ~ HOOD	1
58	225312-03	DECAL* DANGER FALL HAZARD ~ HOOD	1
59	225305-03	DECAL* NOTICE ~ HOOD RAILS	1
60	229652-04	DECAL* PINCH POINT	6
61	229657-04	DECAL* LATCH, HOOD HAND RAILS	2
62	229619-03	DECAL* C3 LIFT NOTICE	2
63	238791-03	DECAL* 24 VOLT ELECTRICAL SYSTEM	1
64	242320-04	DECAL* TEST PORT PROPEL	1
65	242321-04	DECAL* TEST PORT FORWARD	1

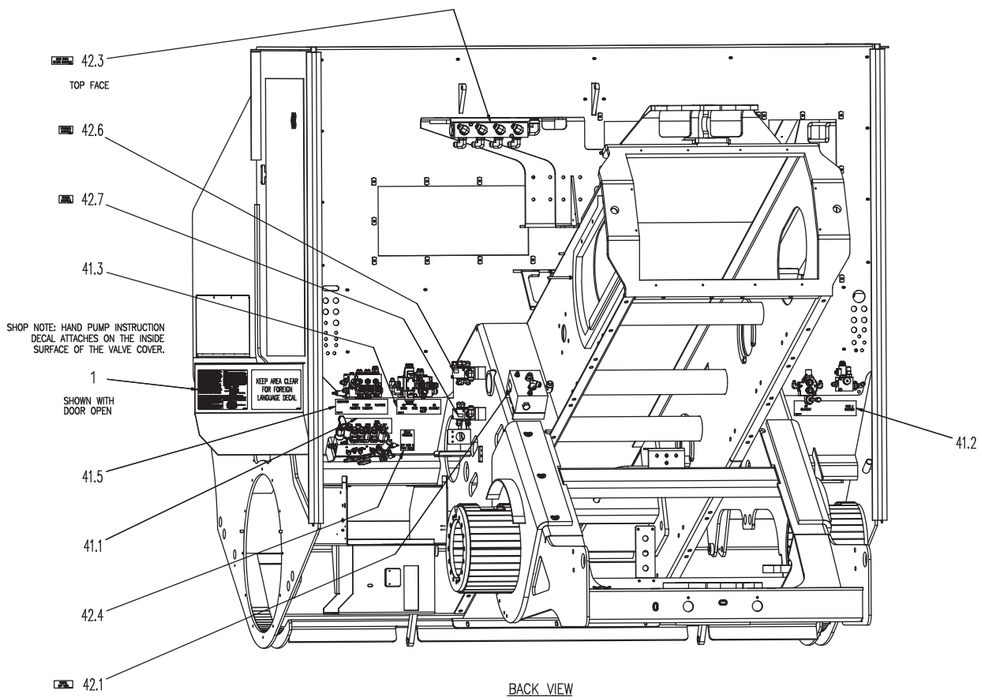
DECAL KIT, SB-2500eX
(242848-01)

NEXT PAGE

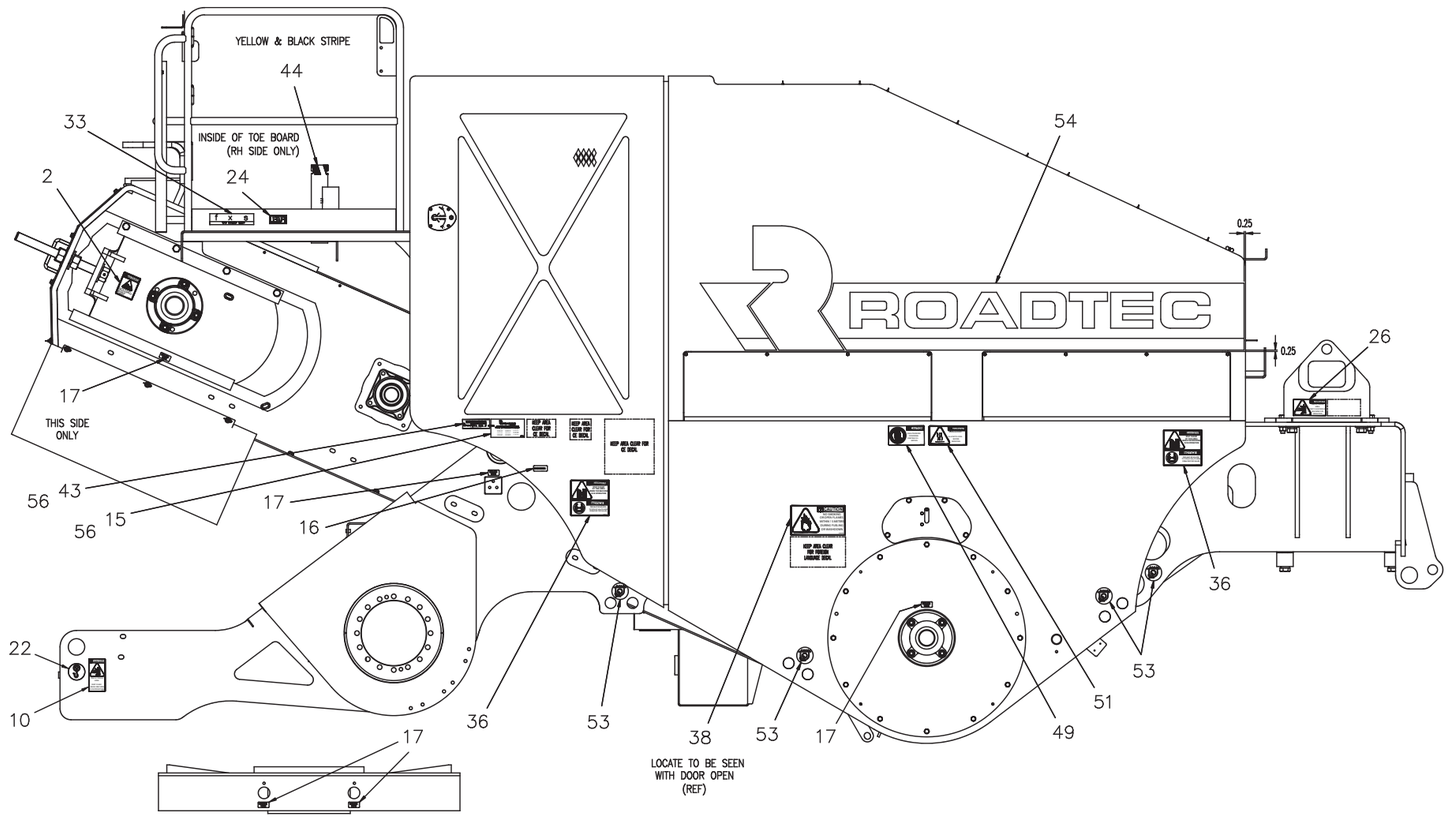




FAR SIDE DECAL LOCATION
(LH SIDE)



BACK VIEW



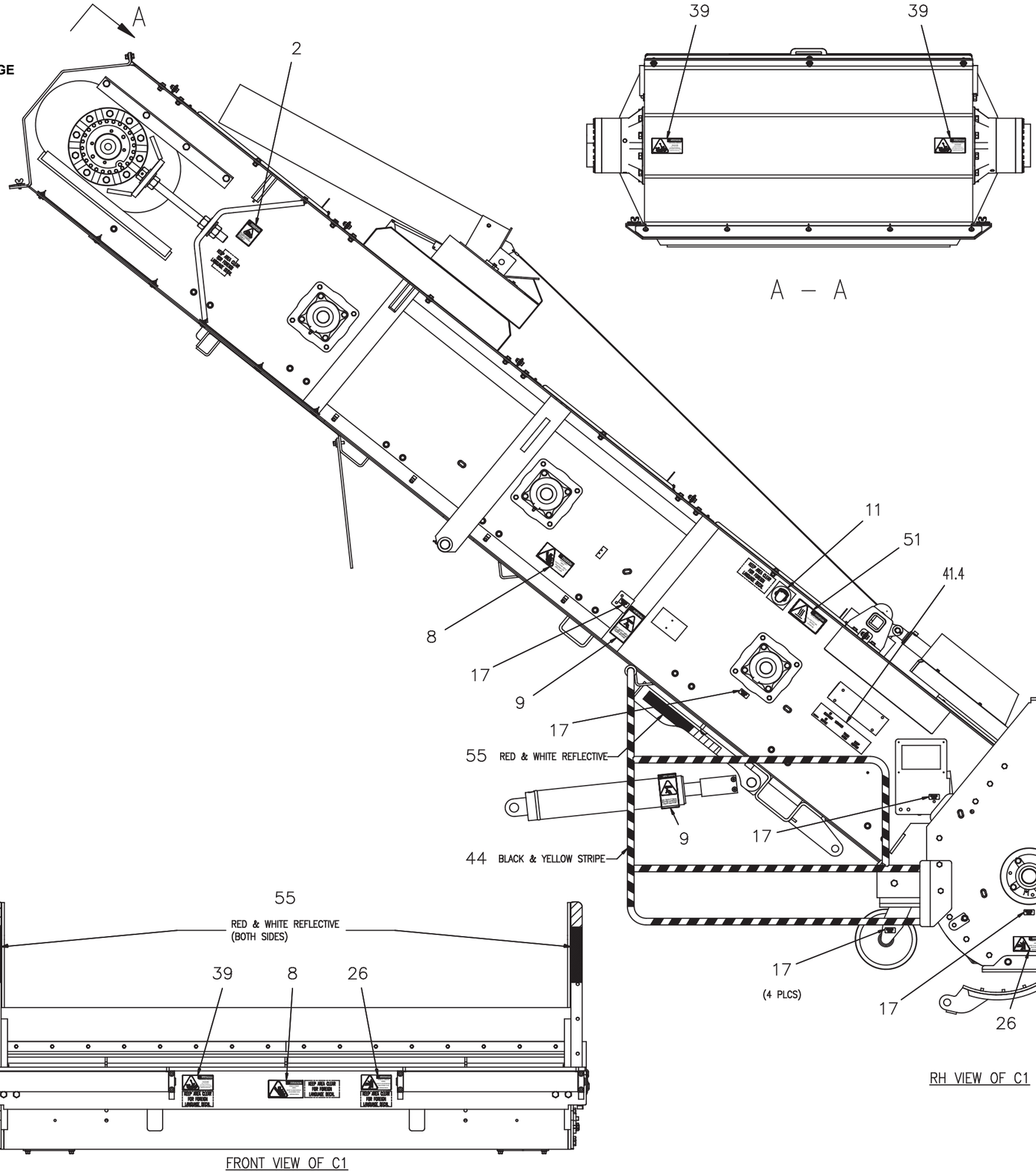
REAR VIEW OF C3 PIVOT BOX

ROADTEC
an Astec Industries Company

PREVIOUS PAGE

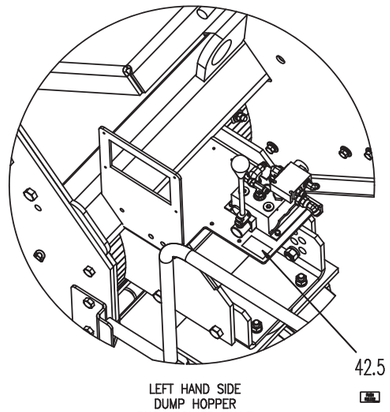
DECAL KIT, SB-2500eX
(242848-01)

NEXT PAGE

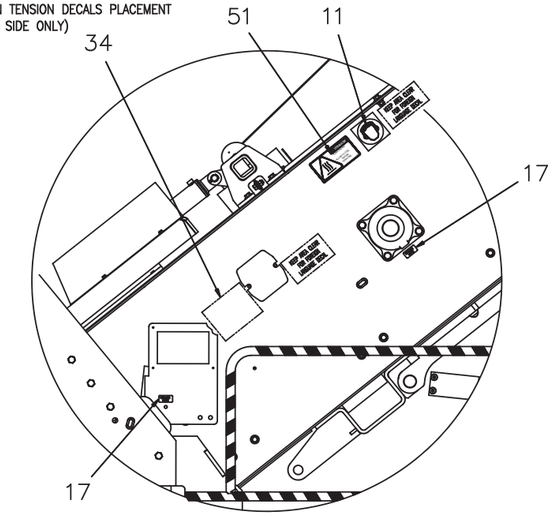


RH VIEW OF C1

A – A



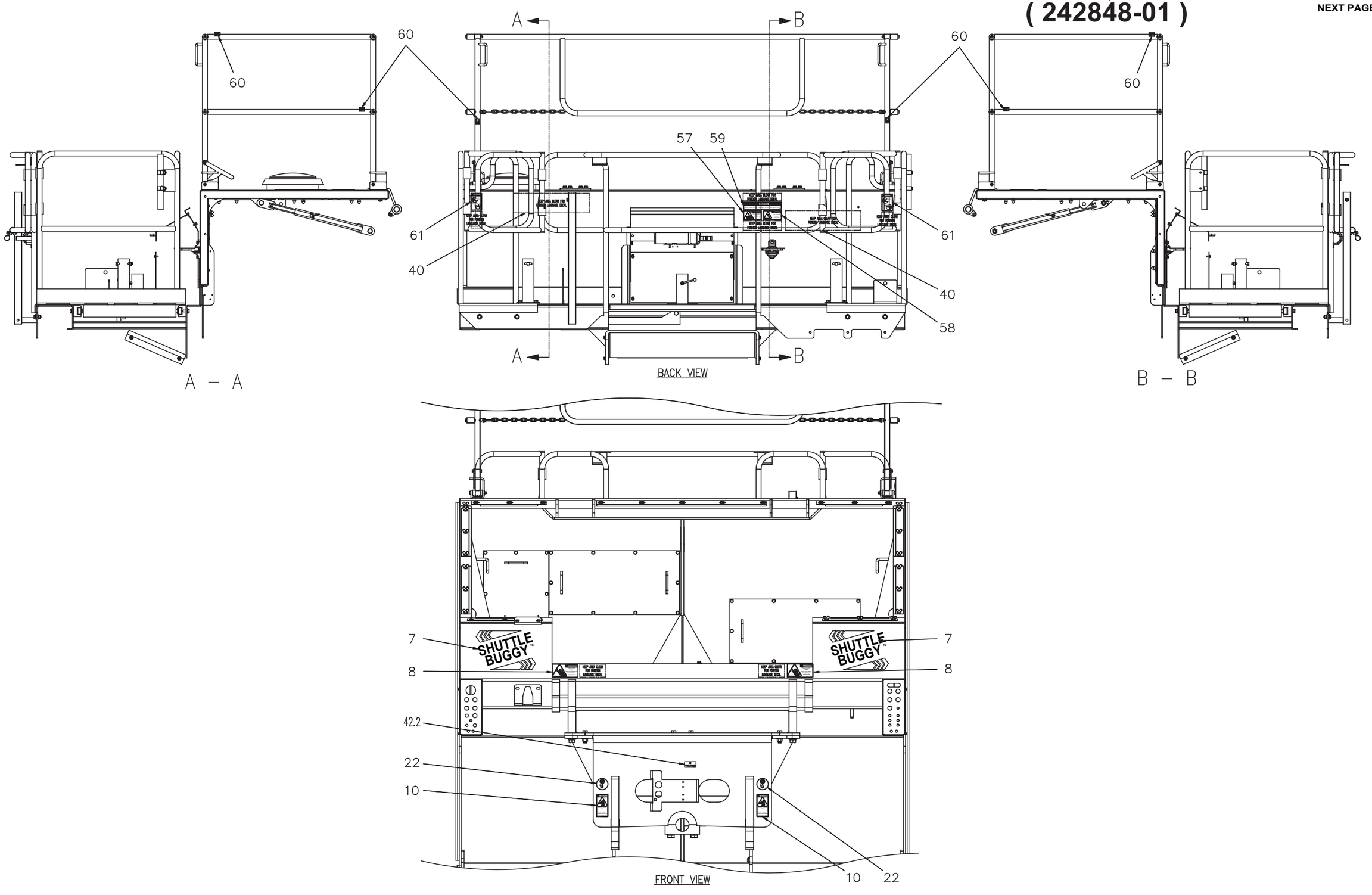
LEFT HAND SIDE
DUMP HOPPER
PUSH ROLLER VALVE



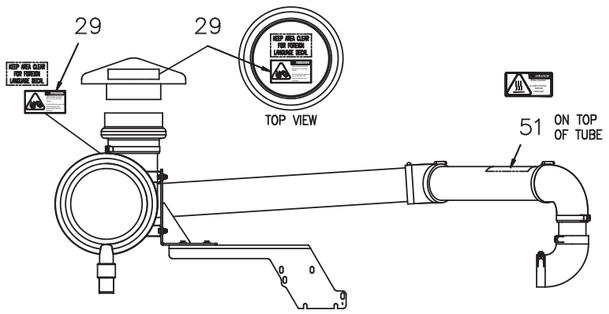
LEFT SIDE

FRONT VIEW OF C1

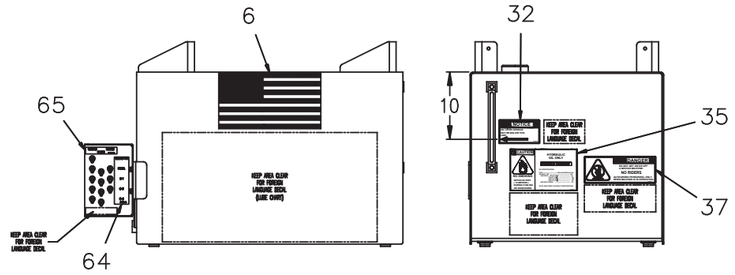
DECAL KIT, SB-2500eX
(242848-01)



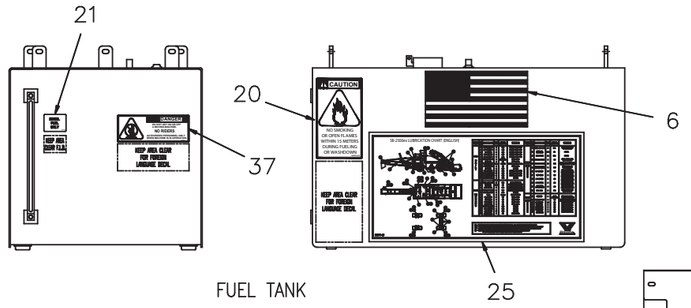
DECAL KIT, SB-2500eX
(242848-01)



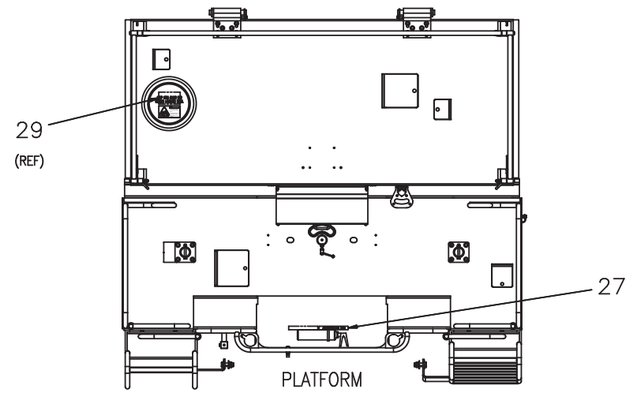
AIR INTAKE



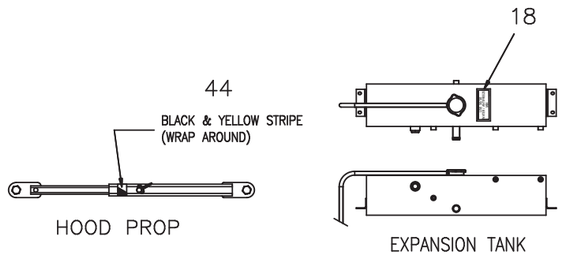
HYDRAULIC TANK



FUEL TANK



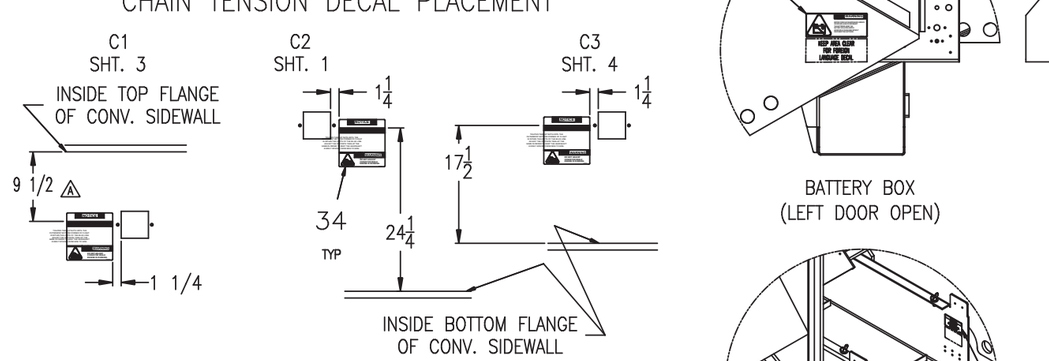
PLATFORM
TOP VIEW
(SCALE REDUCED)



HOOD PROP

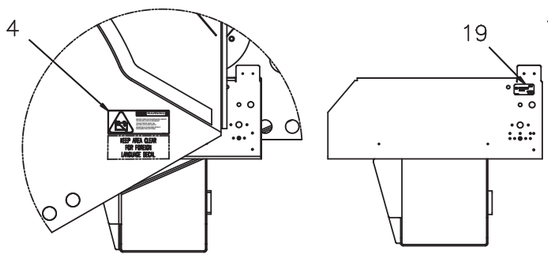
EXPANSION TANK

CHAIN TENSION DECAL PLACEMENT



(NOT TO SCALE)

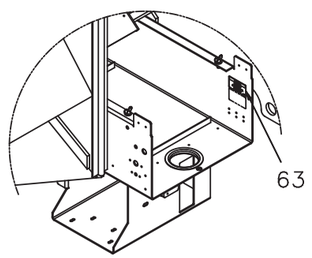
DETAIL "B"

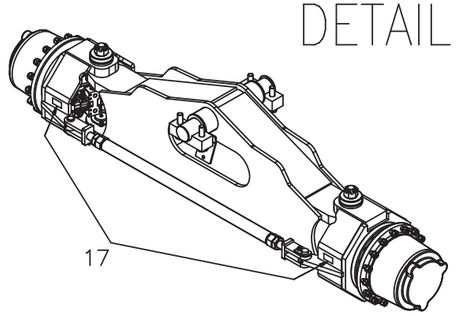


BATTERY BOX
(LEFT DOOR OPEN)

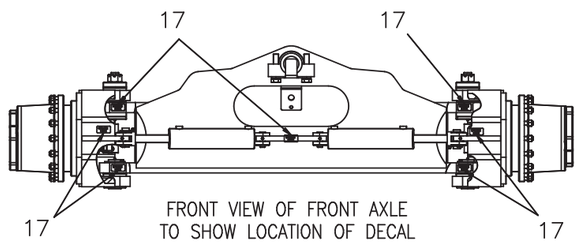
BATTERY BOX

BATTERY BOX LID

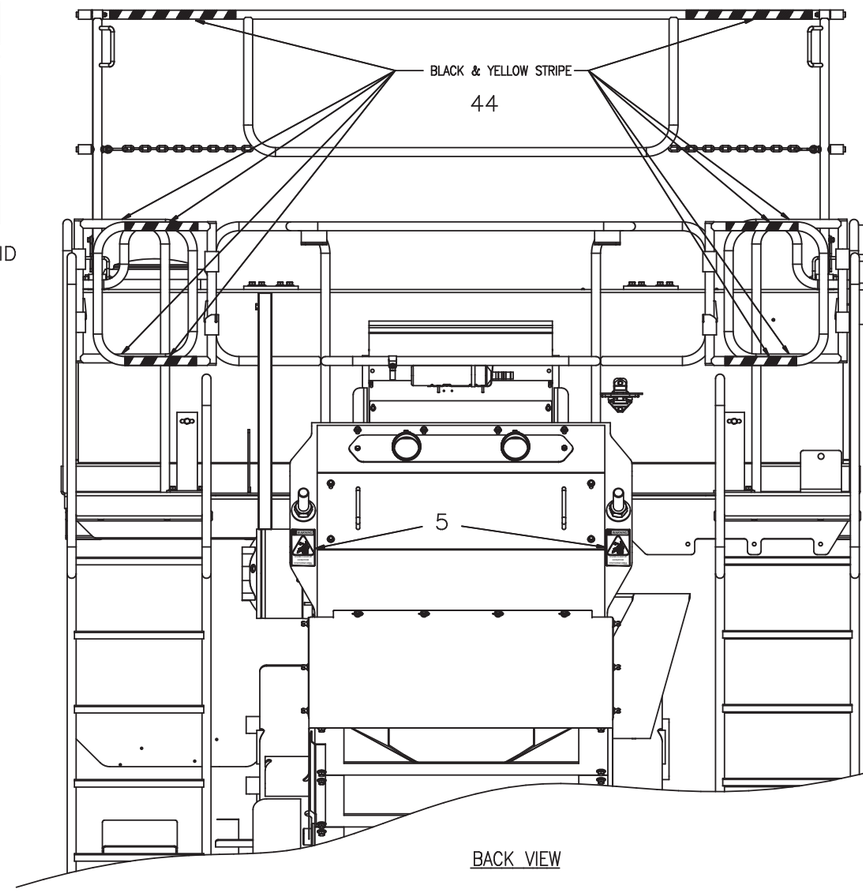




ISO VIEW BACK OF FRONT AXLE



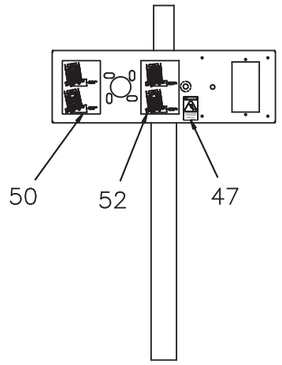
FRONT VIEW OF FRONT AXLE
TO SHOW LOCATION OF DECAL



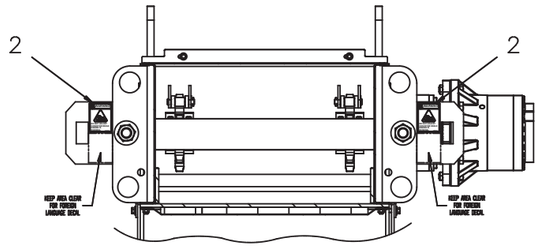
BACK VIEW

PREVIOUS PAGE

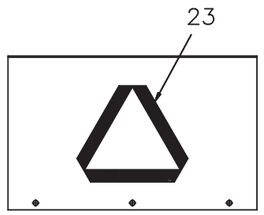
DECAL KIT, SB-2500eX
(242848-01)



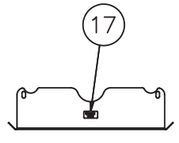
OPERATOR'S CONSOLE



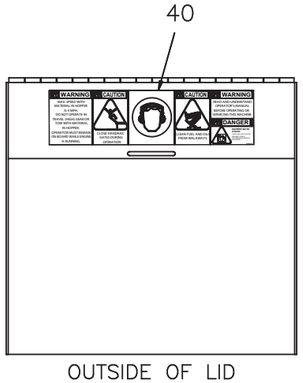
B – B



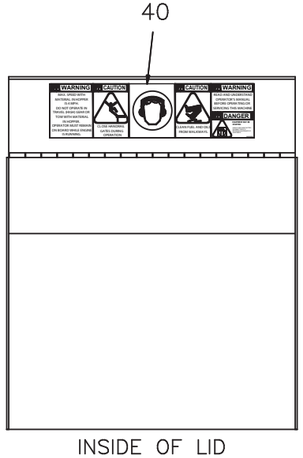
END VIEW



DETAIL C3 PIVOT GUARD

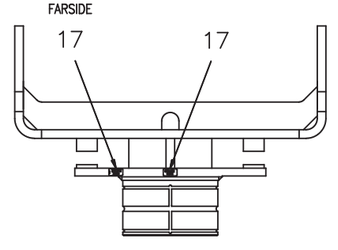


OUTSIDE OF LID



INSIDE OF LID

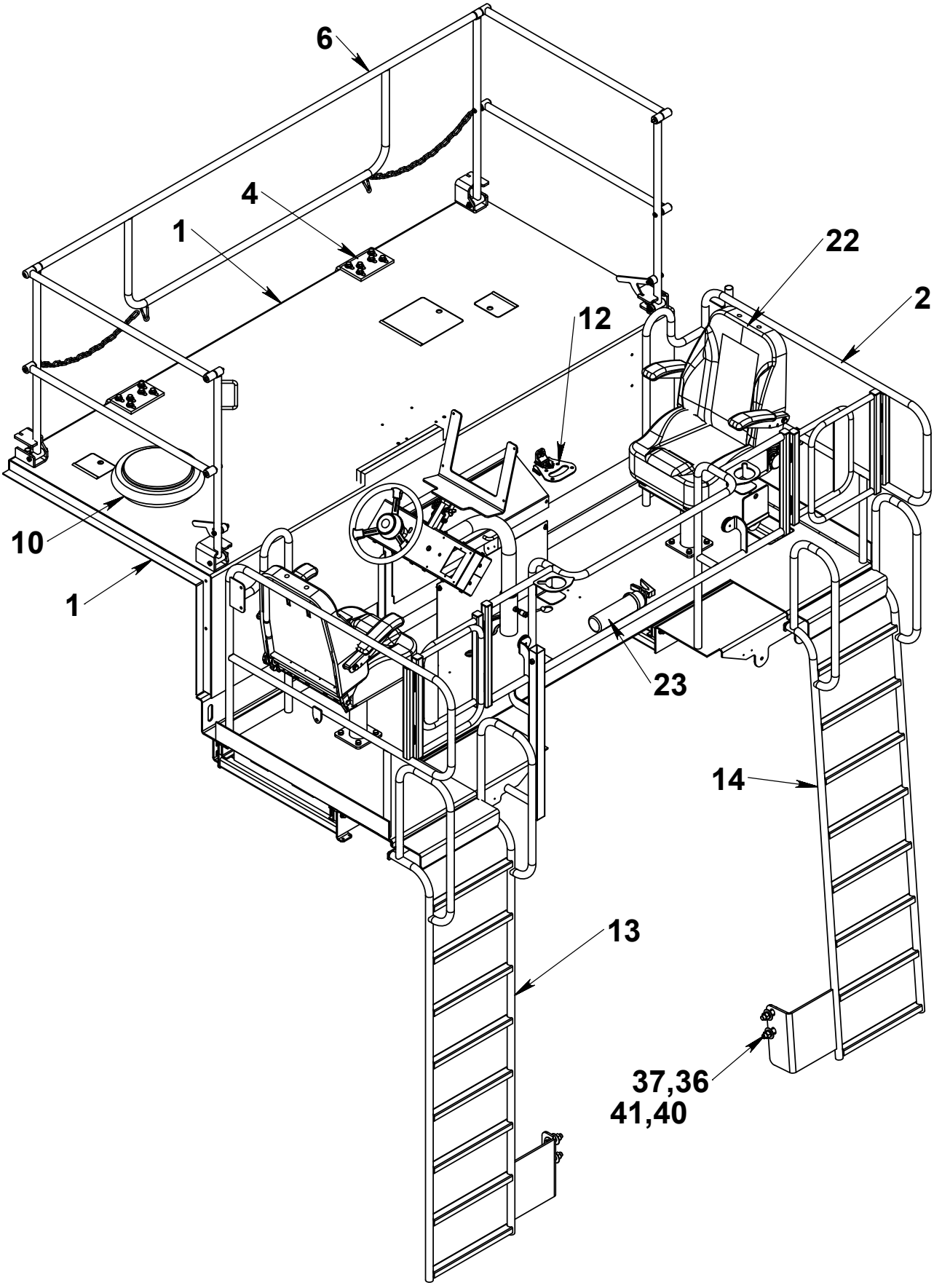
CENTER CONSOLE



REAR VIEW OF C3 CONVEYOR PIVOT

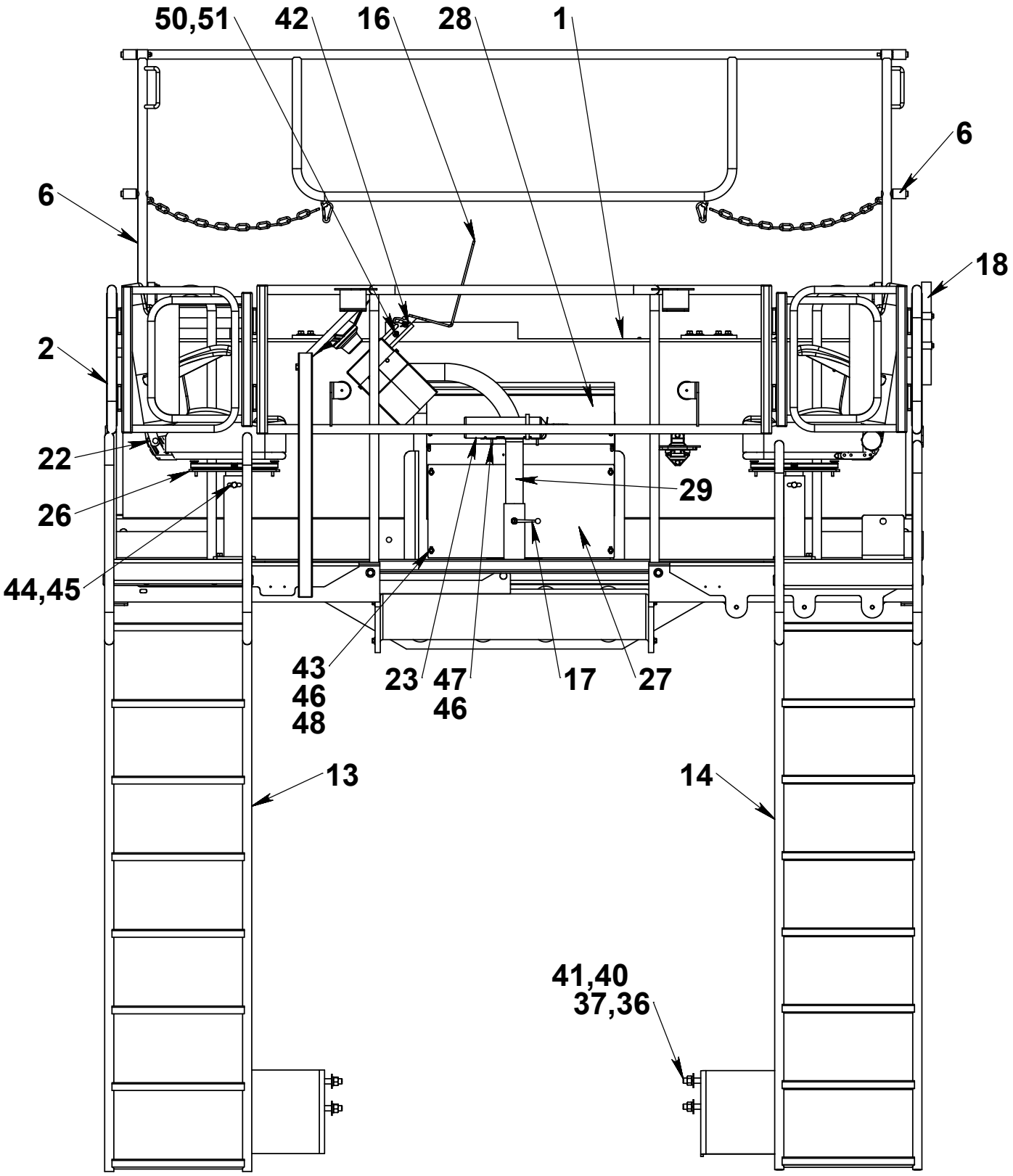
ASSEMBLY-SLIDING PLATFORM HOOD 25E (244136-01)

NEXT PAGE

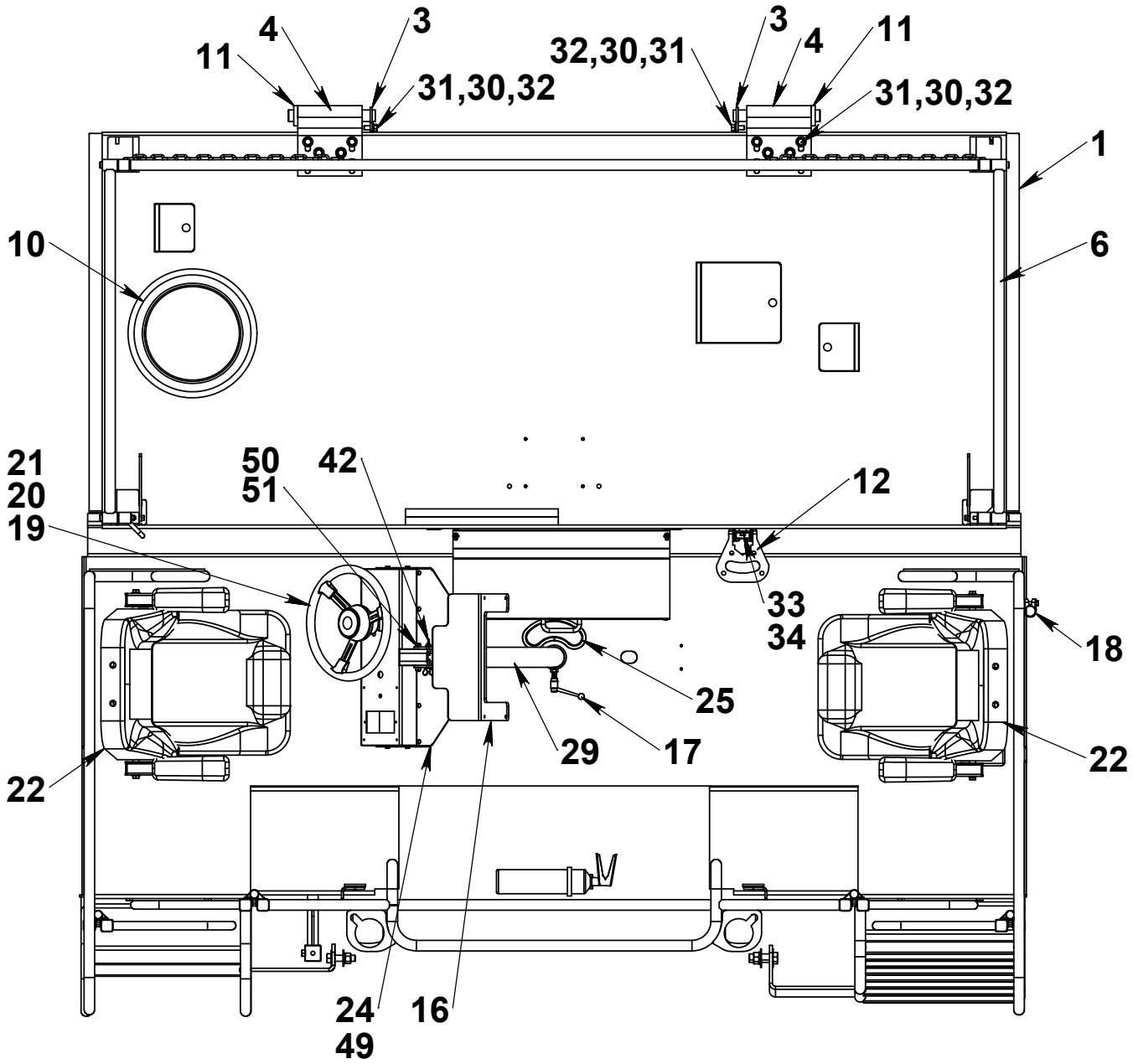


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ASSEMBLY-SLIDING PLATFORM HOOD 25E (244136-01)

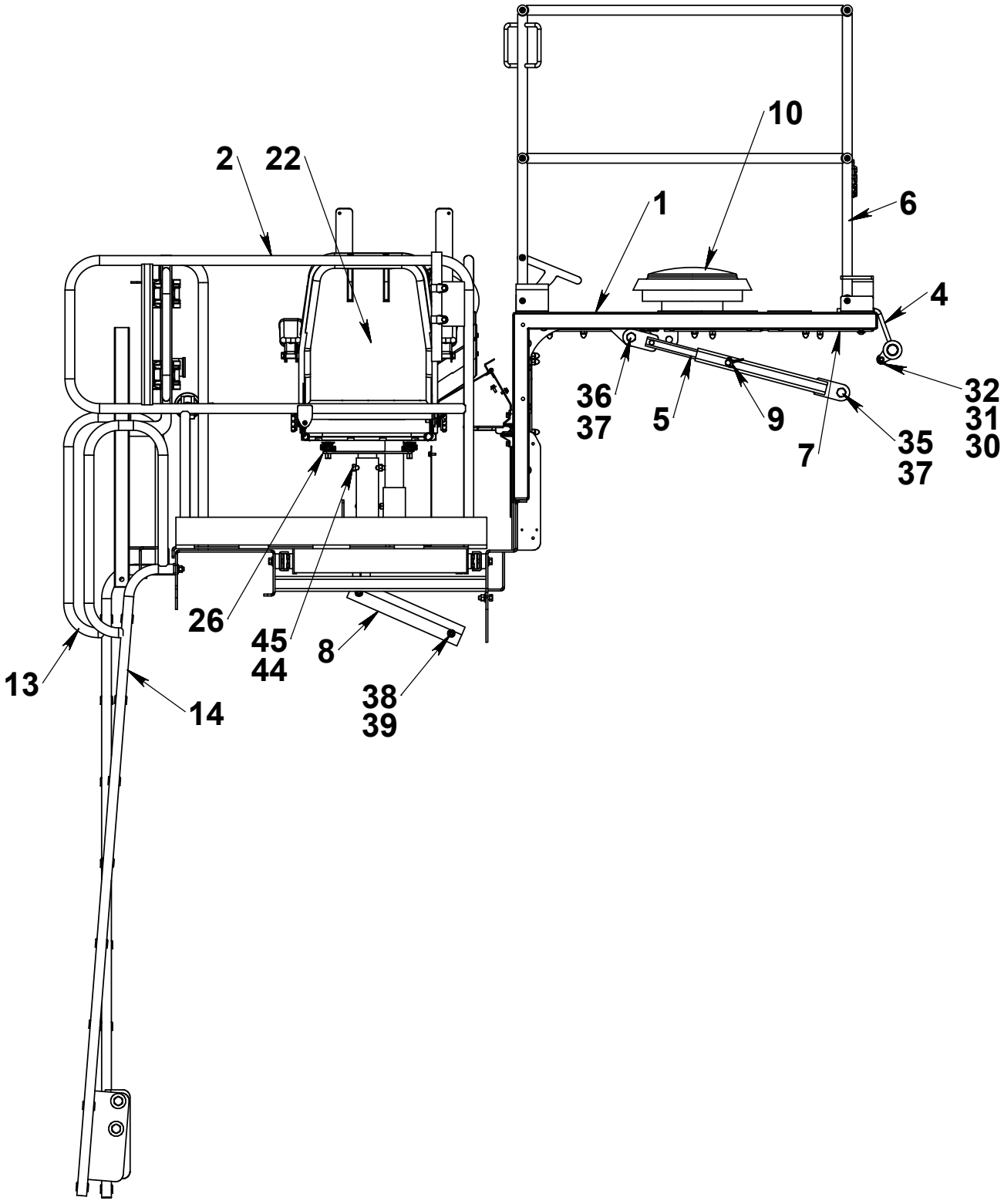


ASSEMBLY-SLIDING PLATFORM HOOD 25E (244136-01)



PREVIOUS PAGE

ASSEMBLY-SLIDING PLATFORM HOOD 25E (244136-01)

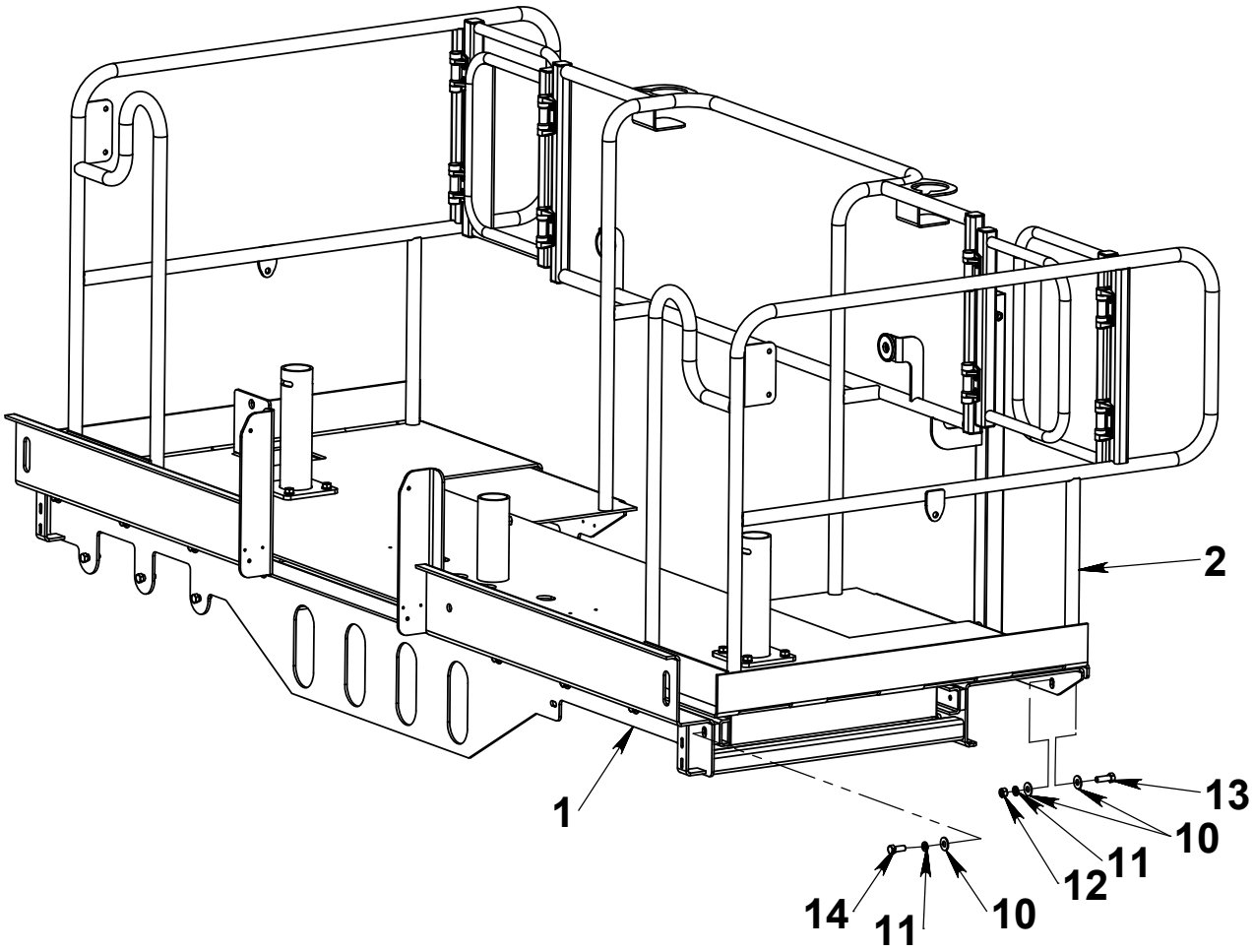


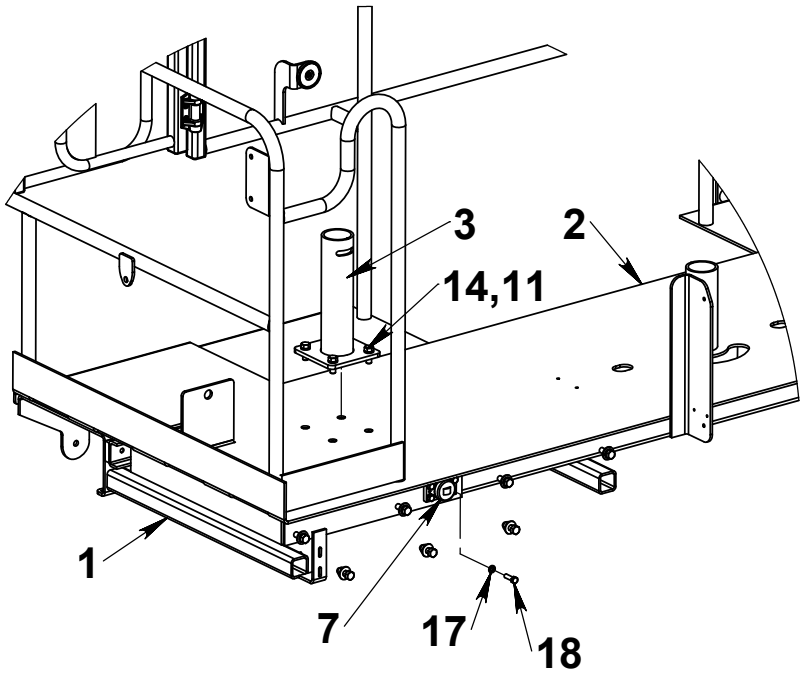
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ASSEMBLY-SLIDING PLATFORM HOOD 25E (244136-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	245061-01	WELDMENT-HOOD	1
2	243949-01	ASSEMBLY-SLIDING PLATFORM SB-2500E	1
3	146491-04	WELDMENT-HOOD PIN	2
4	239170-01	WELDMENT-HOOD HINGE	2
5	203965-03	WELDMENT-HOOD PROP-SB-2500C	1
6	244135-01	ASSEMBLY-HOOD RAIL, SB-2500E 3M	1
7	240636-01	ASSEMBLY-HOOD INSULATION	1
8	240120-04	INSUL * SLIDING PLATFORM SB2500E	1
9	205278-04	PIN * SAFETY SNAP 1/2-3	1
10	203088-03	ENGINE * 8" INLET HOOD	1
11	228575-04	DETAIL - HINGE SPACER	2
12	224761-03	MODIFICATION - STEP * FOLDING	1
13	244130-01	WELDMENT-LH SLIDING PLATFORM LADDER	1
14	244081-01	WELDMENT-RH SLIDING PLATFORM LADDER	1
15	202080-01	ASSEMBLY-MIRROR-SB-2500D	1
16	146568-02	WLDT-OPERATORS CONTROL BOX MOUNT	1
17	122081-04	HANDLE * CLAMPING	1
18	99386	UMBRELLA * UNIVERSAL BRACKET	1
19	143111-01	STEERING * WHEEL 14"	1
20	89045	NUT * CHAR LYNN HEX	1
21	143112-03	STEERING * WHEEL CAP	1
22	224953-04	SEAT * WHITE DRIVER W/ RECLINE ADJU	2
23	99583	FIRE EXTINGUISHER 2 1/2 LBS.	1
24	146567-03	DETAIL-OPERATORS CONSOLE COVER (2PC)	1
25	236345-01-25	MOLDING * 3/8" INTERLOCK 18"L	1
26	128095-02	WELDMENT-SEAT BASE	2
27	203310-03	DETAIL-CENTER CONSOLE FRONT COVER	1
28	236156-01	WELDMENT-VANDAL COVER,SB-2500E	1
29	200185-01	WELDMENT-OPERATORS CONSOLE-2500C	1
30	83317	WASHER * LOCK 1/2" SPRING STEEL	14
31	86164	BOLT * HEX 1/2"-13 X 1 1/4"	14
32	83781-04	WASHER * FLAT 1/2" STEEL	14
33	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2
34	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
35	93723	BOLT ~ HEX 3/4"-10 x 2 1/2"	1
36	89151	BOLT * HEX 3/4"-10 X 3"	5
37	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	6
38	83055	NUT * 3/8-16 HEX GRADE 8	4
39	83757	WASHER ~ FLAT 3/8 STEEL	4
40	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	4
41	83133	WASHER * FLAT 3/4" STEEL	8
42	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	2
43	89988-04	BOLT * HEX 1/4"-20 X 3/4"	12
44	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	2
45	84431-04	BOLT * HEX 1/2"-13 X 4"	2
46	83065	WASHER * LOCK 1/4" SPRING STEEL	14
47	89773	BOLT * HEX 1/4"-20 X 1"	2
48	84444	WASHER * FLAT 1/4" STEEL	12
49	133842	HEX-HEAD/SELF-DRILLING~1/4-20 X 3/4	16
50	92235	NUT * 3/8"-16 LOCK GRADE 8	1
51	121200	HEX BOLT * 3/8"-16 X 3"	1

ASSEMBLY-SLIDING PLATFORM SB-2500E (243949-01)



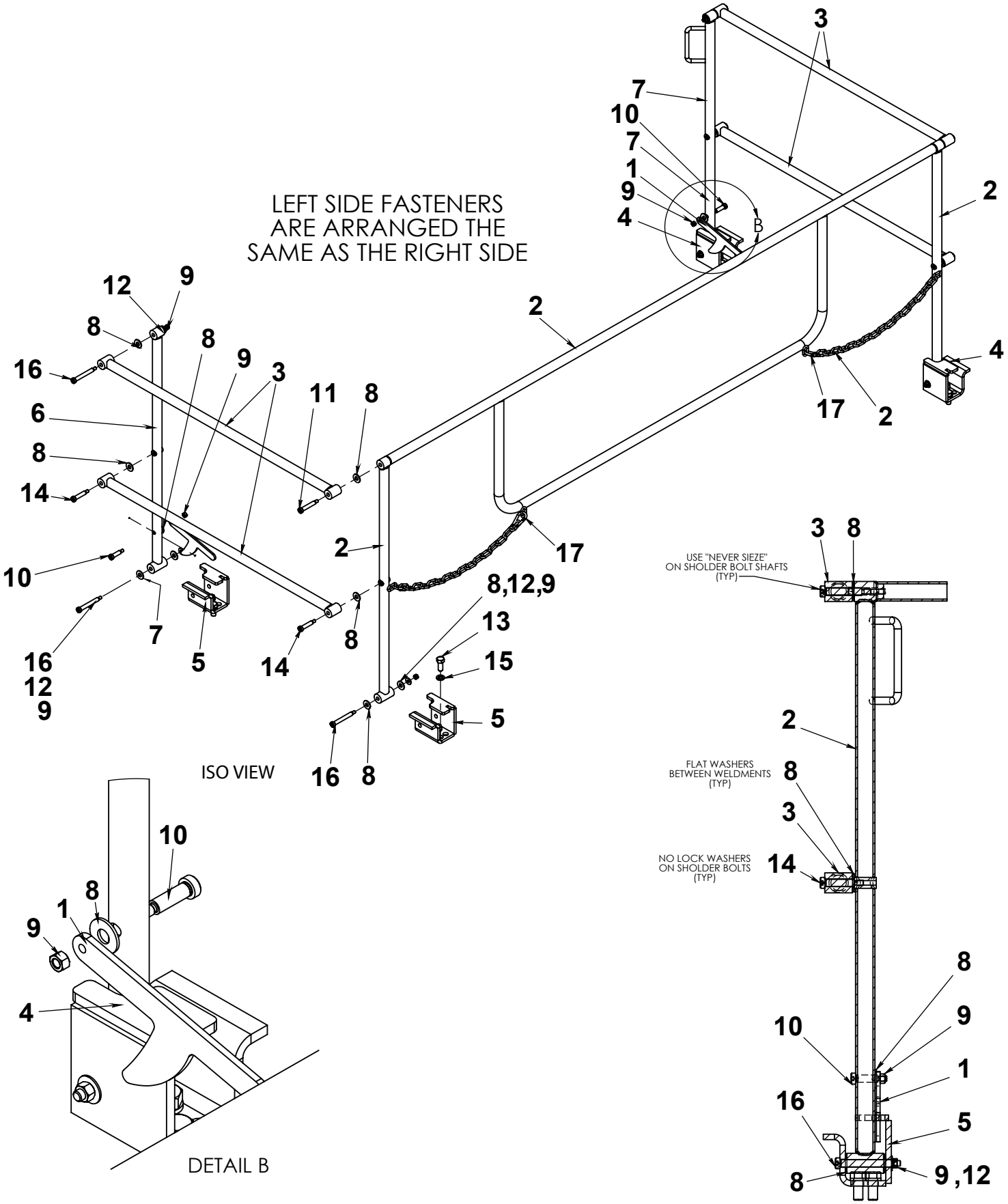


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ASSEMBLY-SLIDING PLATFORM SB-2500E (243949-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	243951-01	WELDMENT-SLIDING PLATFORM SUPPORT	1
2	243952-01	WELDMENT-SLIDING CONTROL PLATFORM	1
3	223735-01	WELDMENT-SEAT PEDESTAL	2
4	244336-03	ASSEMBLY-GATE HINGE 2500E	8
5	243987-01	WELDMENT-SLIDING PLATFORM GATE	2
6	244180-01	WELDMENT-SLIDING PLATFORM GATE INSIDE	2
7	244099-04	BEARING*LINEAR HVB-053/HVPS-1	4
8	244104-03	MODIFICATION-BEARING*RAIL HVB-053	4
9	242790-04	MAGNETIC CUP ASSY. 2 5/8" DIA.	2
10	83781-04	WASHER * FLAT 1/2" STEEL	27
11	83317	WASHER * LOCK 1/2" SPRING STEEL	31
12	83288	NUT * 1/2"-13 HEX GRADE 8	7
13	93144	BOLT * HEX 1/2"-13 X 1 1/2"	7
14	86164	BOLT * HEX 1/2"-13 X 1 1/4"	24
15	83065	WASHER * LOCK 1/4" SPRING STEEL	2
16	216898-04	SCREW ~ 1/4-20 x 1/2 B.HEAD STAINLESS	2
17	83056	WASHER ~ LOCK 3/8 SPRING STEEL	16
18	96476	BOLT * HEX 3/8"-16 X 1 1/4"	16

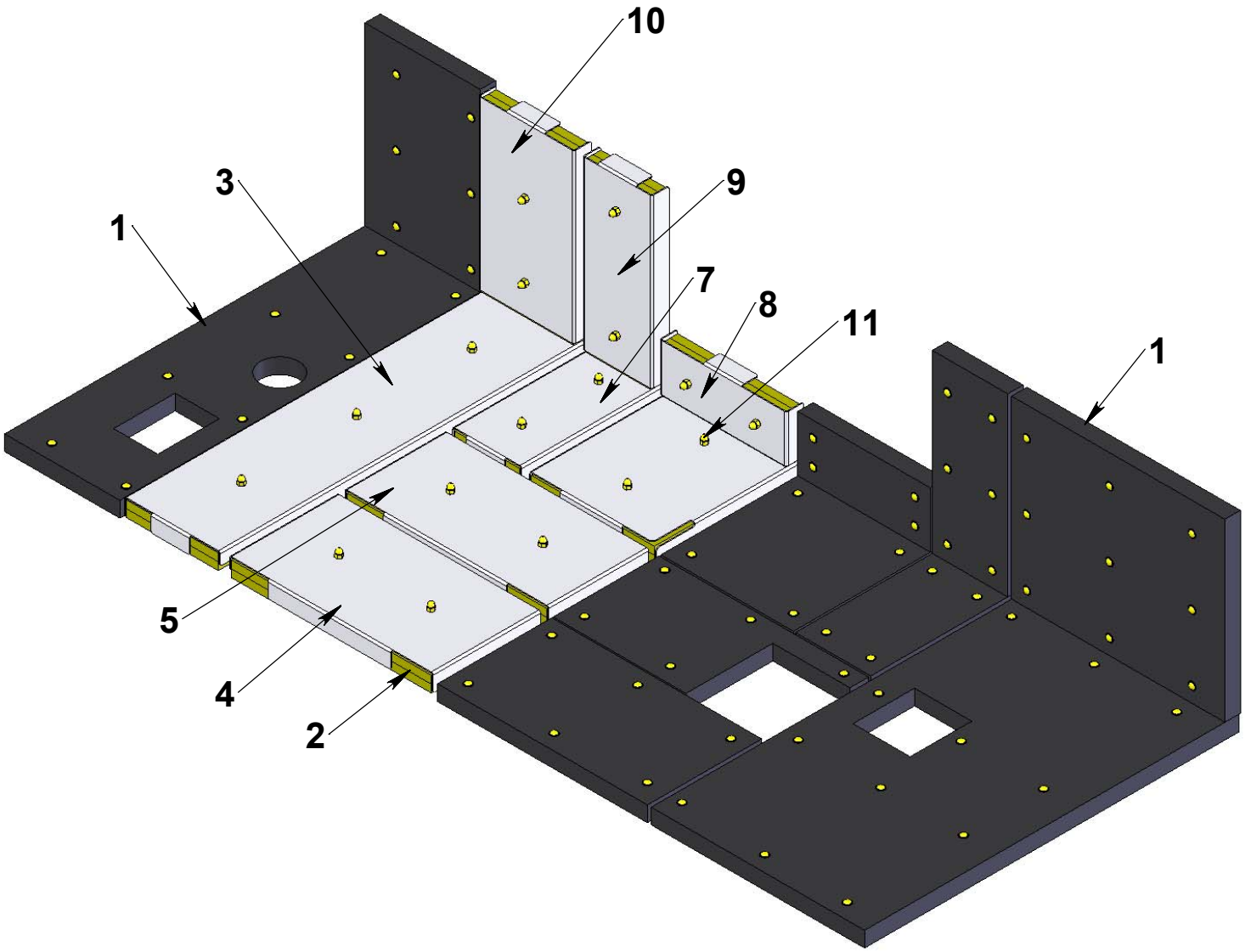
ASSEMBLY- HOOD RAIL SB-2500e 3M
(244135-01)



ASSEMBLY- HOOD RAIL SB-2500e 3M
(244135-01)

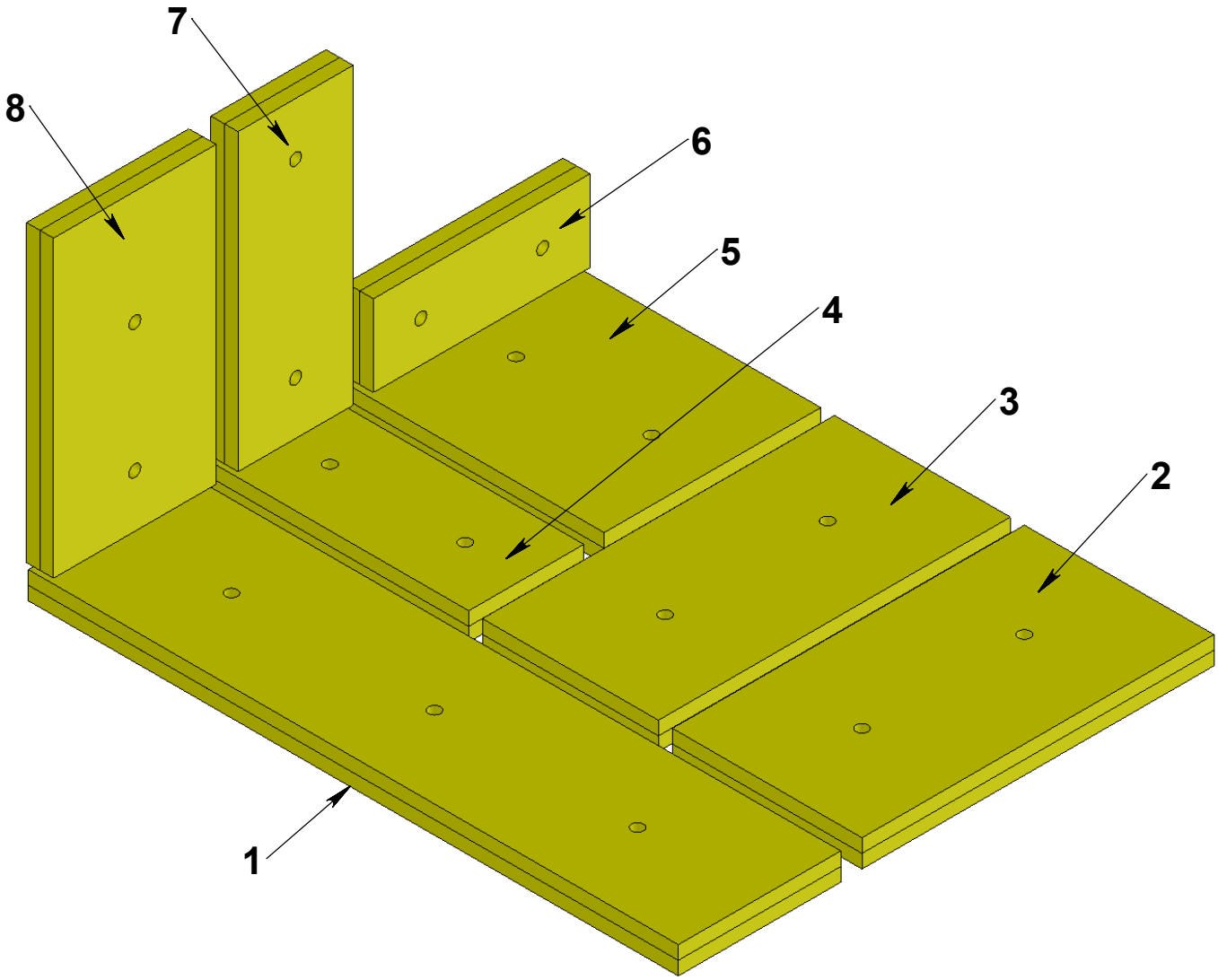
ITEM #	PART #	DESCRIPTION	QTY.
1	225110-03	DETAIL-HOOD RAIL, CLAMP	2
2	245436-01	WELDMENT-HOOD RAIL, FRONT	1
3	224027-01	WELDMENT-HOOD RAIL, TOP & MID	4
4	244144-03	WELDMENT-HOOD RAIL MOUNT, REAR LEFT	2
5	244145-03	WELDMENT-HOOD RAIL MOUNT, REAR RIGHT	2
6	224028-01	WELDMENT-HOOD RAIL, REAR	1
7	229701-01	WELDMENT-HOOD RAIL, L.H. REAR	1
8	83781-04	WASHER * FLAT 1/2" STEEL	18
9	92235	NUT * 3/8"-16 LOCK GRADE 8	8
10	223281-04	BOLT * SHOULDER 1/2, 3/8-16 X 1 1/2 L	2
11	140077	SHOULDER BOLT * 1/2 X 2 1/2 W/3/8TH	2
12	83757	WASHER ~ FLAT 3/8 STEEL	6
13	84778	HEX BOLT * 5/8-11 X 1 1/2 LG	8
14	142342	BOLT * SHOULDER 3/8-16 X 1/2 X 2	4
15	84717	WASHER * LOCK 5/8" SPRING STEEL	8
16	224261-04	SHOULDER BOLT * 1/2, 3/8-16 X 3 1/2 L	6
17	218214-04	3/8 DIA. SPRING SNAP HOOK	2

ASSEMBLY-HOOD INSULATION
(240636-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	240511-01	INSULATION * HOOD FOAM KIT	1
2	240637-01	ASSEMBLY-HOOD HEAT INSULATION KIT	1
3	238407-03	DETAIL-HOOD STAINLESS COVER 1	1
4	238431-03	DETAIL-HOOD STAINLESS COVER 2	1
5	238432-03	DETAIL-HOOD STAINLESS COVER 3	1
6	238433-03	DETAIL-HOOD STAINLESS COVER 4	1
7	238434-03	DETAIL-HOOD STAINLESS COVER 5	1
8	238435-03	DETAIL-HOOD STAINLESS COVER 6	1
9	238436-03	DETAIL-HOOD STAINLESS COVER 7	1
10	240638-03	DETAIL-HOOD STAINLESS COVER 8	1
11	208225-04	NUT * 1/2"-13 UNC ACORN	17

ASSEMBLY-HOOD HEAT INSULATION KIT (240637-01)

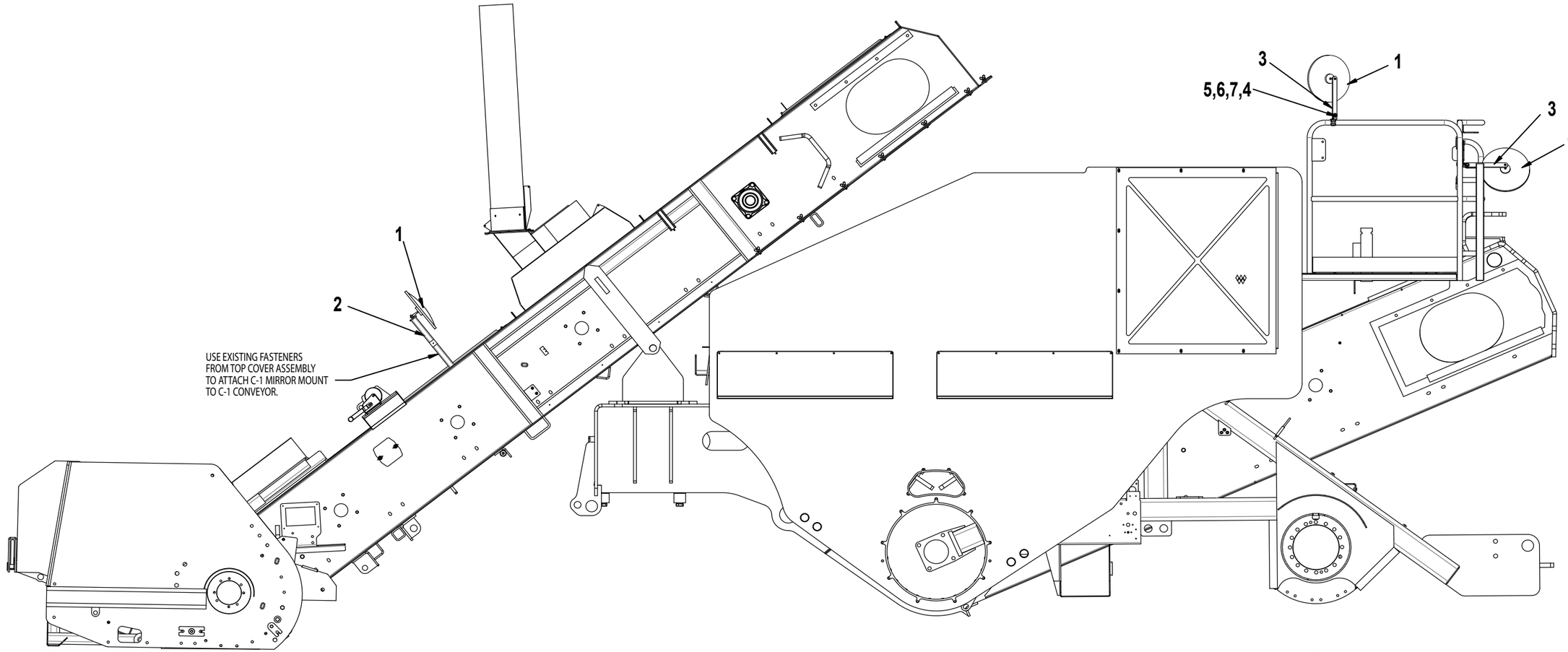


ITEM #	PART #	DESCRIPTION	QTY
1	238485-01-1	MINERAL WOOL, 1 x 12 x 48, MINERAL WOOL	2
2	238485-01-2	MINERAL WOOL, 1 x 14 x 26, MINERAL WOOL	2
3	238485-01-3	MINERAL WOOL, 1 x 13 x 26, MINERAL WOOL	2
4	238485-01-4	MINERAL WOOL, 1 x 8 1/2 x 19, MINERAL WOOL	2
5	238485-01-5	MINERAL WOOL, 1 x 16 x 19, MINERAL WOOL	2
6	238485-01-6	MINERAL WOOL, 1 x 6 x 16, MINERAL WOOL	2
7	238485-01-7	MINERAL WOOL, 1 x 8 1/2 x 21 3/4, MINERAL WOOL	2
8	240637-01-8	MINERAL WOOL, 1 x 12 x 21 3/4, MINERAL WOOL	2

MIRROR ASSEMBLY
(202080-01)

NEXT PAGE

ITEM #	PART #	DESCRIPTION	QTY.
1	133459-04	MIRROR * 12" DIA.	6
2	201210-03	WELDMENT-C1 MIRROR MOUNT-2500C	2
3	133460-04	DETAIL-MIRROR MOUNTING ARM	4
4	96476	BOLT * HEX 3/8"-16 X 1 1/4"	4
5	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
6	83055	NUT * 3/8-16 HEX GRADE 8	4
7	83757	WASHER ~ FLAT 3/8 STEEL	8

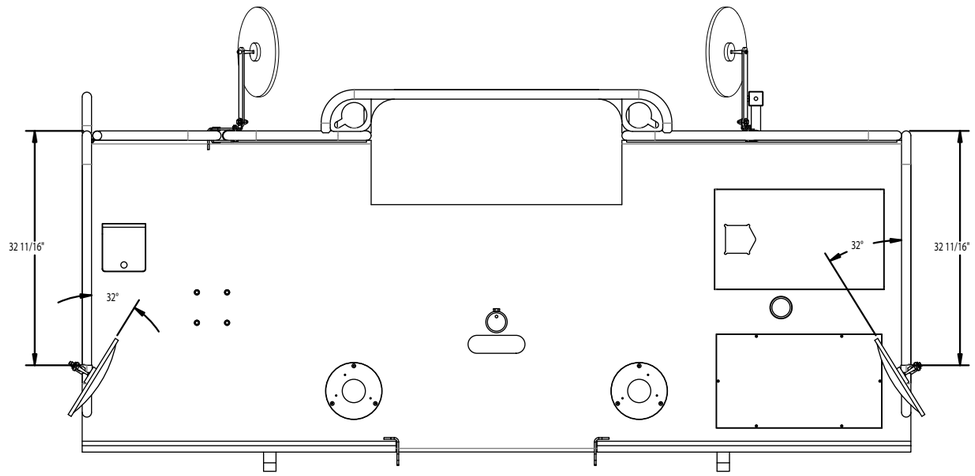


ASSEMBLE MIRRORS AS SHOWN ON THE LEFT AND RIGHT SIDES OF THE MACHINE.

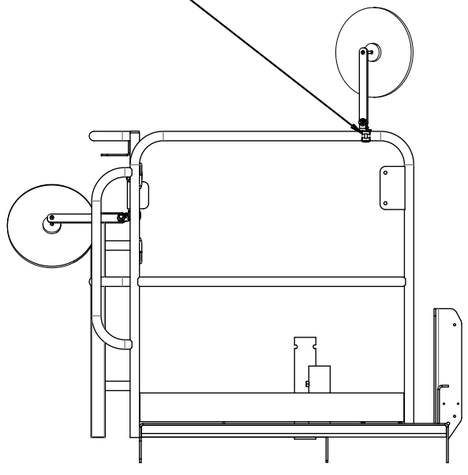
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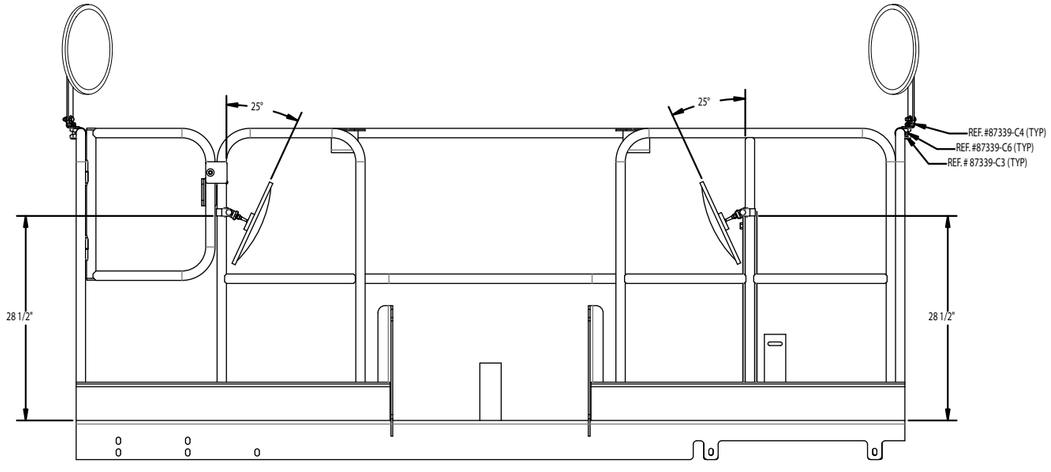
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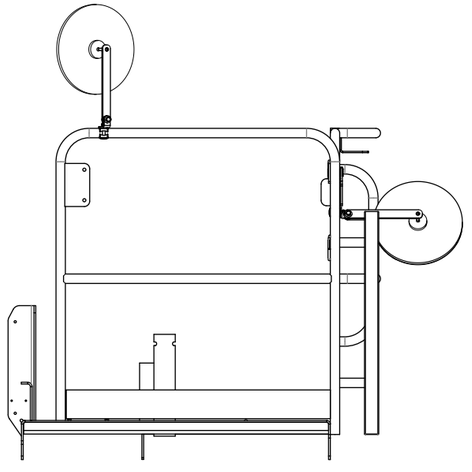
MIRROR ASSEMBLY
(202080-01)



THE BAR CLAMP FOR THE TWO TOP RAIL MOUNTED MIRRORS ARE ROTATED 180 ° DOWN FOR SHIPPING. LOOSEN THE BAR CLAMP AND ROTATE UP AT STAR-UP.





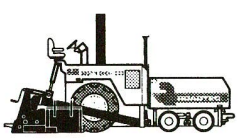


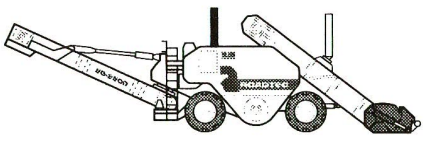
MIRROR ORIENTATION VIEWS

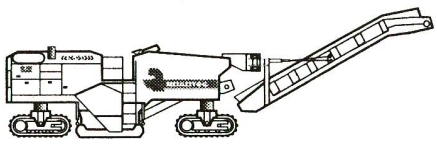
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COLD PLANERS
PAVERS
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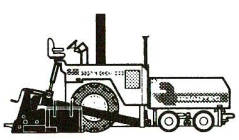
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

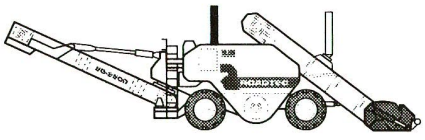
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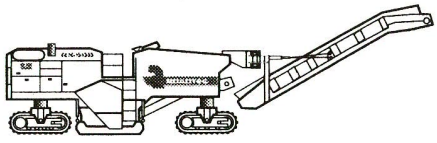
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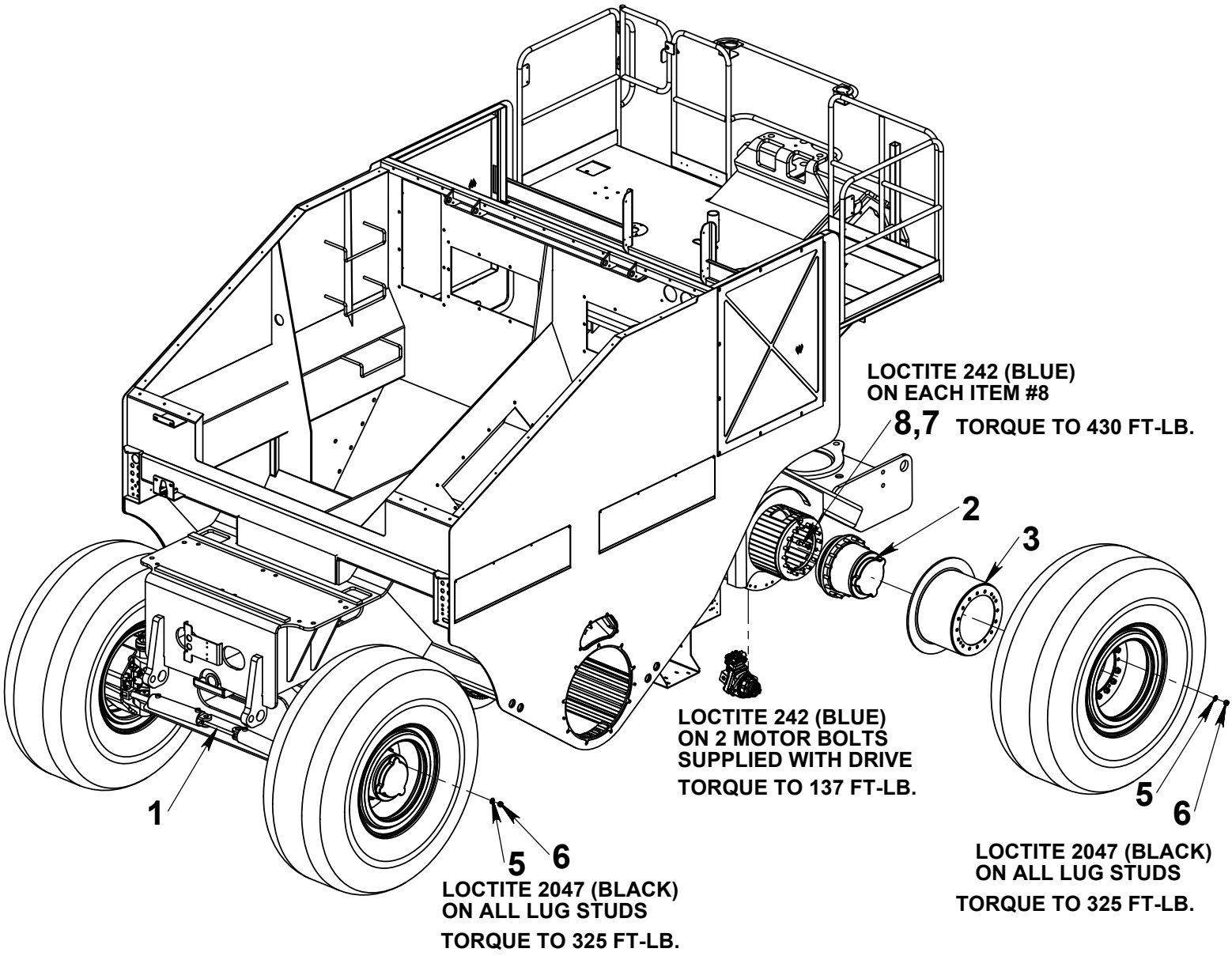
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SECTION 3 : AXLE & DRIVE

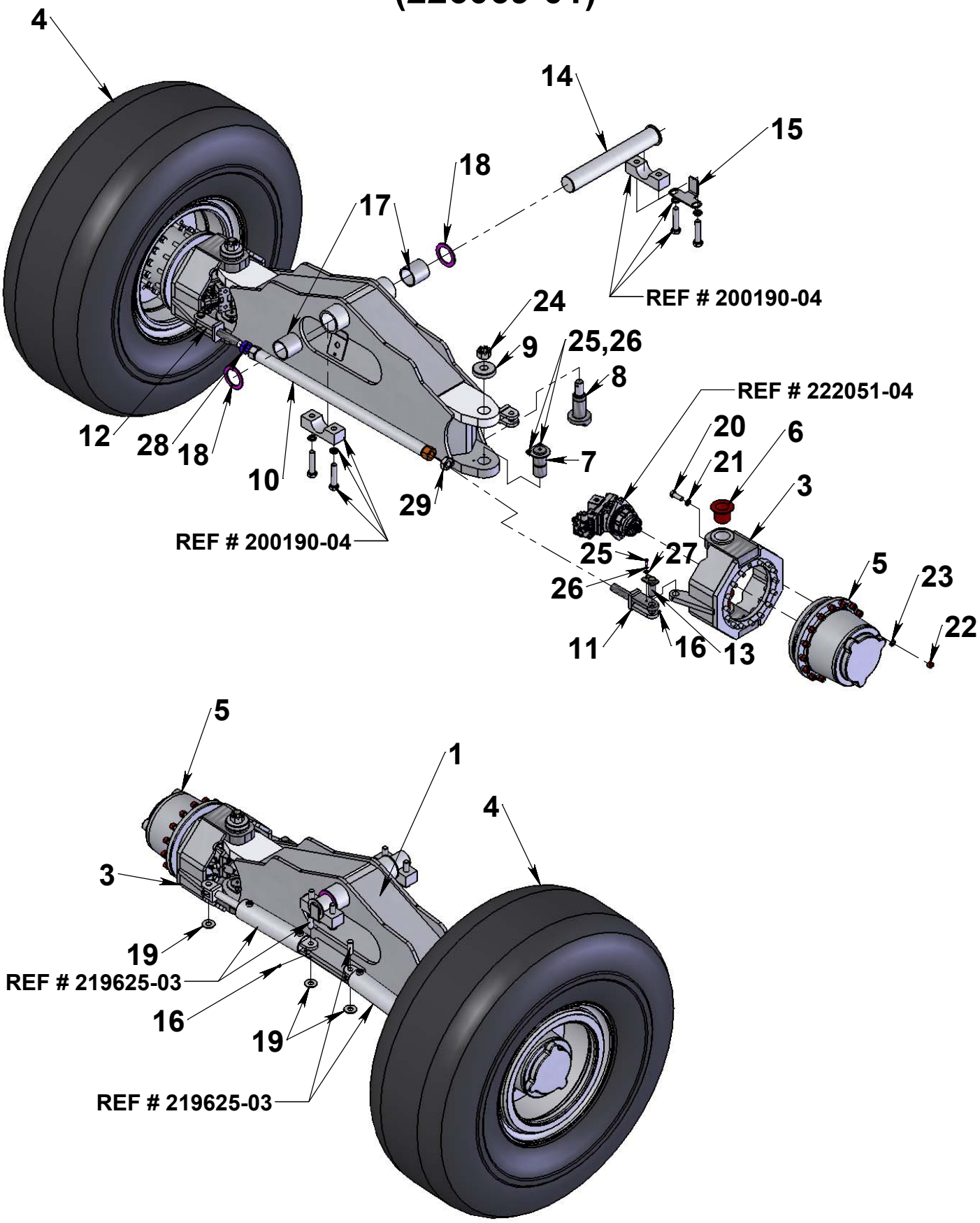
ASSEMBLY	PART NO.	S/N	PAGE NO.
FRONT & REAR AXLE	242642-01		3.1
DRIVE AXLE	226069-01		3.3
TRANS. GEAR BOX	218897-01		3.5
PROPEL MOTOR	222051-04		3.7

ASSEMBLY-FRONT AND REAR DRIVES
(242642-01)



ITEM #	PART #	DESCRIPTION	Default/QTY.
1	226069-01	ASSEMBLY-FRONT STEERING AXLE	1
2	218897-01	TRANS * GEARBOX	2
3	226409-01	WELDMENT-BRAKE DISC	2
4	239404-04	ASSEMBLY- TIRE & RIM	4
5	95937	WASHER * FLAT 3/4" HARD	64
6	93211	NUT * HEX 3/4"-16 FINE THREAD	64
7	94724	WASHER * LOCK 20 127B	32
8	227995	BOLT * SOC HD M20 2.5 X 55 12.9 912	32

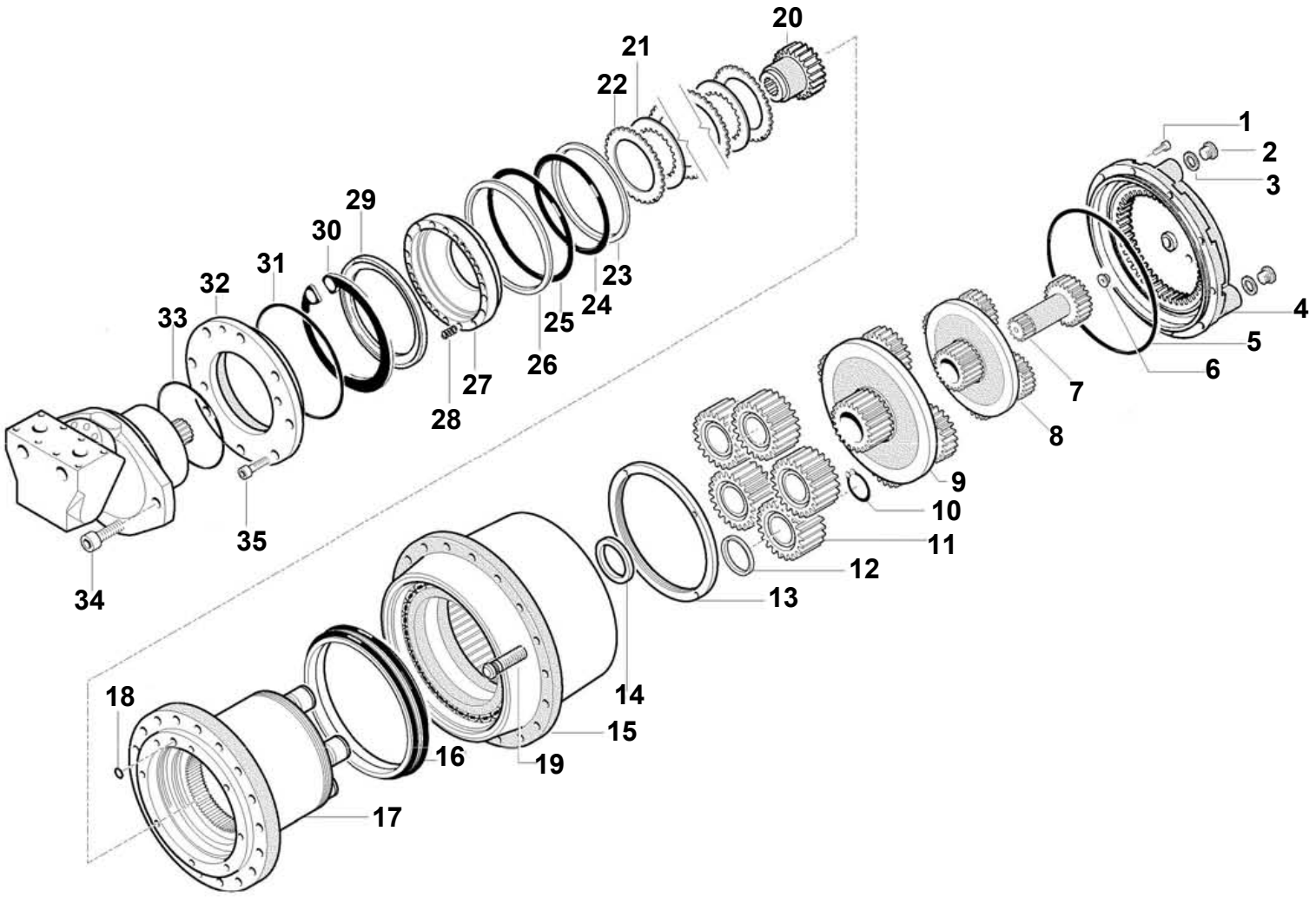
ASSEMBLY-FRONT STEERING AXLE
(226069-01)



ASSEMBLY-FRONT STEERING AXLE (226069-01)

ITEM #	PART #	DESCRIPTION	QTY
1	226073-01	WELDMENT - FRONT STEERING TRUNION	1
2	226071-01	WELDMENT- DRIVE SPINDLE HOUSING, FRONT LH	1
3	226072-01	WELDEMNT- DRIVE SPINDLE HOUSING, FRONT RH	1
4	221885-04	ASSEMBLY- TIRE & RIM	2
5	218897-01	TRANS * GEARBOX	2
6	219824-04	BUSHING * FLGD, 3" X 2.5"ID X 3"L, 4.5 FLG .25THK	4
7	219825-03	WELDMENT - KING PIN	2
8	226397-03	DETAIL-KING PIN, THRUST	2
9	226398-03	DETAIL-CARRIER PLATE, THRUST	2
10	226408-03	WELDMENT - TIE ROD	1
11	219820-03	TIE ROD WELDMENT-R.H.	1
12	219821-03	TIE ROD WELDMENT-L.H.	1
13	143107-03	CYLINDER PIN WELDMENT	2
14	149999-03	WLDT- FRONT AXLE TRUNION PIN	1
15	147427-03	PIVOT PIN RETAINER	1
16	83416	GREASE * NIPPLE 1/8" NPT	10
17	29M85	BUSHING * DURALON	2
18	214527-04	WASHER * THRUST	2
19	83376-04	FLAT WASHER * 1" STEEL	4
20	203325-04	BOLT * M20-2.5 X 55 10.9 933	32
21	94724	WASHER * LOCK 20 127B	32
22	93211	NUT * HEX 3/4"-16 FINE THREAD	32
23	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	32
24	26A60	NUT * SLOTTED 1 1/2" NC	2
25	84332	BOLT * HEX 3/8"-16 X 1"	6
26	83056	WASHER ~ LOCK 3/8 SPRING STEEL	6
27	83757	WASHER ~ FLAT 3/8 STEEL	6
28	205242-04	NUT * HEX 1 1/2-12 JAM LH	1
29	205241-04	NUT * HEX 1 1/2-12 JAM RH.	1

SB-2500D TRANSMISSION GEAR BOX
(218897-01)

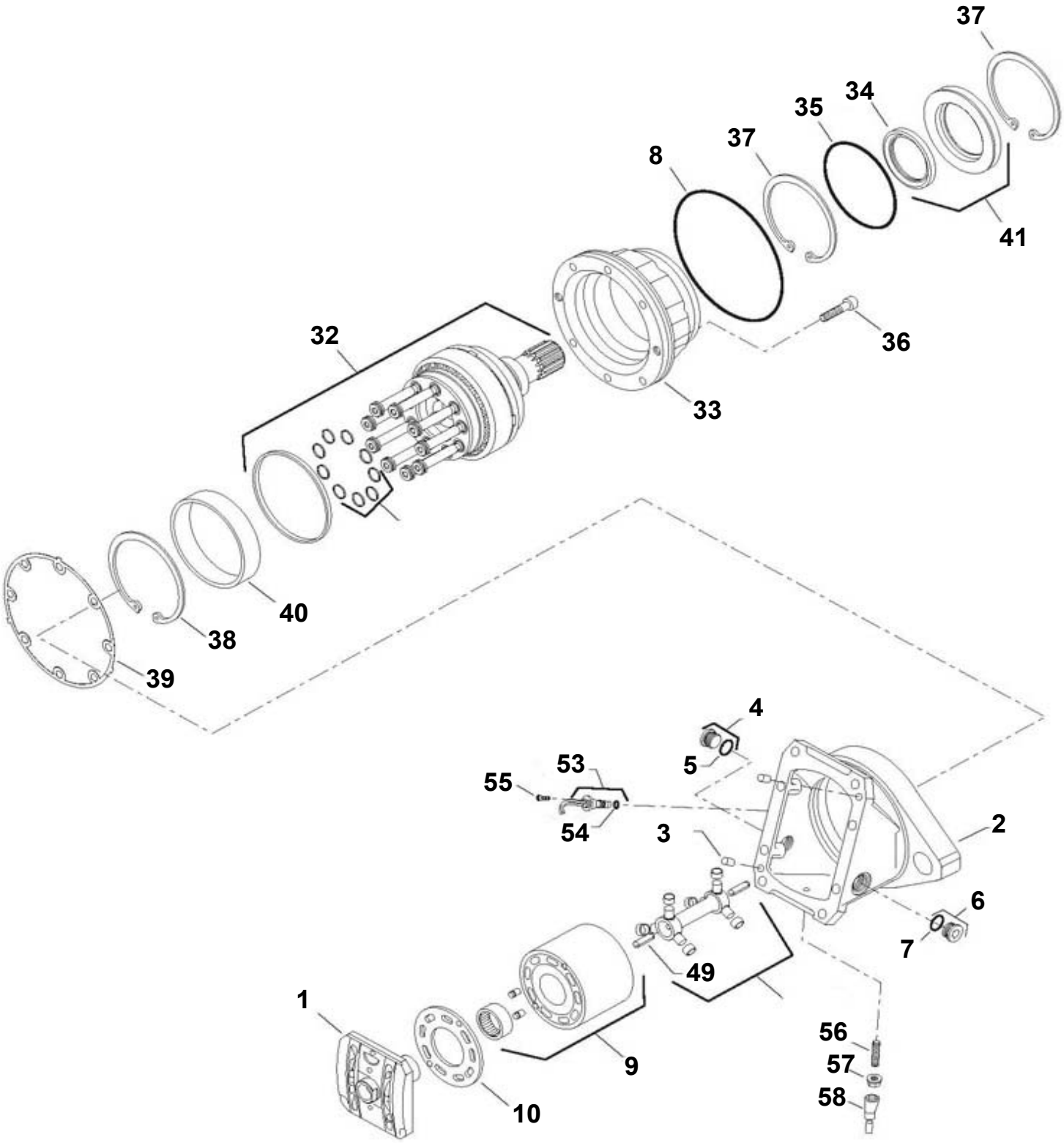


SB-2500D TRANS. GEAR BOX ASSY.
(218897-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	218897-01-C2	SCREW	10
2	218897-01-C3	OIL BREATHER PLUG	2
3	218897-01-C4	WASHER	2
4	218897-01-C5	COVER	1
5	218897-01-C6	O-RING	1
6	218897-01-C7	PAD	1
7	218897-01-C8	SUN GEAR	1
8	218897-01-C9	REDUCTION ASSY.	1
9	218897-01-C10	REDUCTION ASSY.	1
10	218897-01-C11	CIR-CLIP	5
11	218897-01-C12	PLANETARY	5
12	218897-01-C13	SPACER	5
13	218897-01-C14	NUT	1
14	218897-01-C15	CENTERING RING	1
15	218897-01-C16	BEARING HOUSING	1
16	218897-01-C17	SEAL	1
17	218897-01-C18	HUB	1
18	218897-01-C1	O-RING	1
19	218897-01-C19	STUD	16
20	218897-01-C20	BRAKE SHAFT	1
21	218897-01-C21	STEEL DISC	5
22	218897-01-C22	SINTERED DISC	6
23	218897-01-C23	BACK-UP RING	1
24	218897-01-C24	O-RING	1
25	218897-01-C25	O-RING	1
26	218897-01-C26	BACK-UP RING	1
27	218897-01-C27	BRAKE PISTON	1
28	218897-01-C28	SPRING	18
29	218897-01-C29	SPRING RETAINING PLATE	1
30	218897-01-C30	CIR-CLIP	1
31	218897-01-C31	O-RING	1
32	218897-01-C32	MOTOR ADAPTOR	1
33	218897-01-C33	O-RING	1
34	218897-01-C34	SCREW	2
35	218897-01-C35	SCREW	8
36			
37			
38			
39			
40			

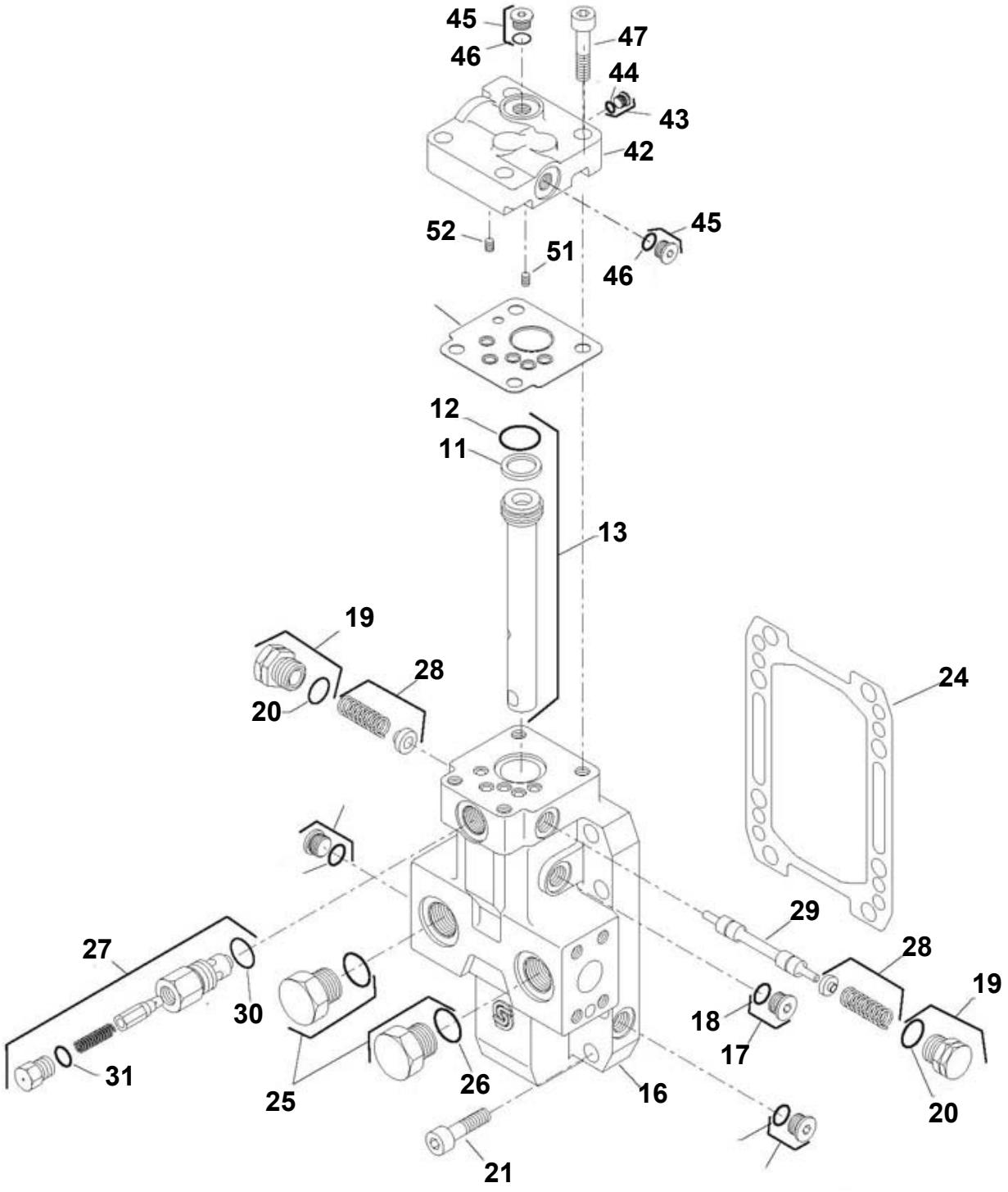
PROPEL MOTOR
(222051-04)

NEXT PAGE



PREVIOUS PAGE

PROPEL MOTOR
(222051-04)



PROPEL MOTOR
(222051-04)

51C-060-1-R-D1-B-N1-NN-N-N-U1-AWH-016-AA-E4-00-00

ITEM #	PART NO.	DESCRIPTION	QTY.
1		VALVE SEGMENT	1
2		MOTOR HOUSING	1
3		PIN	2
4		PLUG	1
5		O-RING	2
6		PLUG	1
7		O-RING	2
8	209686-09-C3	O-RING	2
9		CYLINDER BLOCK ASSEMBLY	1
10		BEARING PLATE	1
11		SUPPORT PIN	2
12		SEAL RING	2
13		O-RING	2
14		SERVO PISTON ASSEMBLY	1
15		SCREW	1
16		SPACER	1
17		END CAP	1
18		PLUG	1
19		O-RING	2
20		PLUG	2
21		O-RING	4
22		SOCKET HEAD SCREW, M10 X 45	8
23		O-RING	2
24		O-RING	10
25		END CAP GASKET	2
26		PLUG	2
27		O-RING	4
28		CHARGE RELIEF VALVE KIT	1
29		SPRING GUIDE ASSEMBLY	2
30		SHUTTLE SPOOL	1
31		O-RING	2
32		O-RING	2
33		SHAFT ASSEMBLY W/SPEED RING	1
34	209686-04-C4	BEARING HOUSING	1
35		LIP SEAL	2
36		O-RING	2
37		SOCKET HEAD SCREW, M8 X 25	8
38		SEAL CARRIER ASSEMBLY	1
39		RETAINING RING	2
40		RETAINING RING	1
41		GASKET	2
42		DISTANCE RING	1
43		CONTROL HOUSING	1
44		PLUG	1
45		O-RING	5

PROPEL MOTOR
(222051-04)

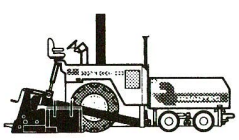
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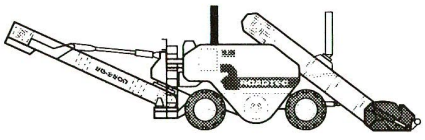
ITEM #	PART NO.	DESCRIPTION	QTY.
46		PLUG	2
47		O-RING	4
48		SCREW	4
49		SAFETY CAP, GREEN	1
50		SYNCH SHAFT KIT	1
51		PISTON RING KIT	1
52		ORIFICE, 0.8 M6 X 8	1
53		ORIFICE, 0.8 M6 X 8	1
54		SPEED SENSOR	1
55		O-RING	1
56		SCREW	1
57		SET SCREW, FLAT POINT, M10 X 65	1
58		SEAL NUT, M10	2
59		OVERHAUL SEAL KIT	1
60	209686-04-C2	O-RING KIT	1
61	209686-04-C1	SPEED SENSOR CONTROL	1

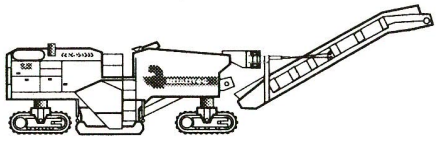
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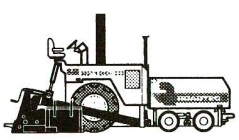
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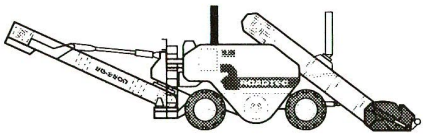
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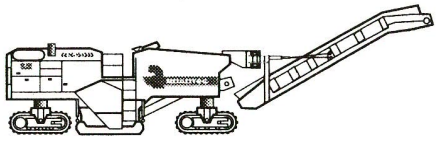
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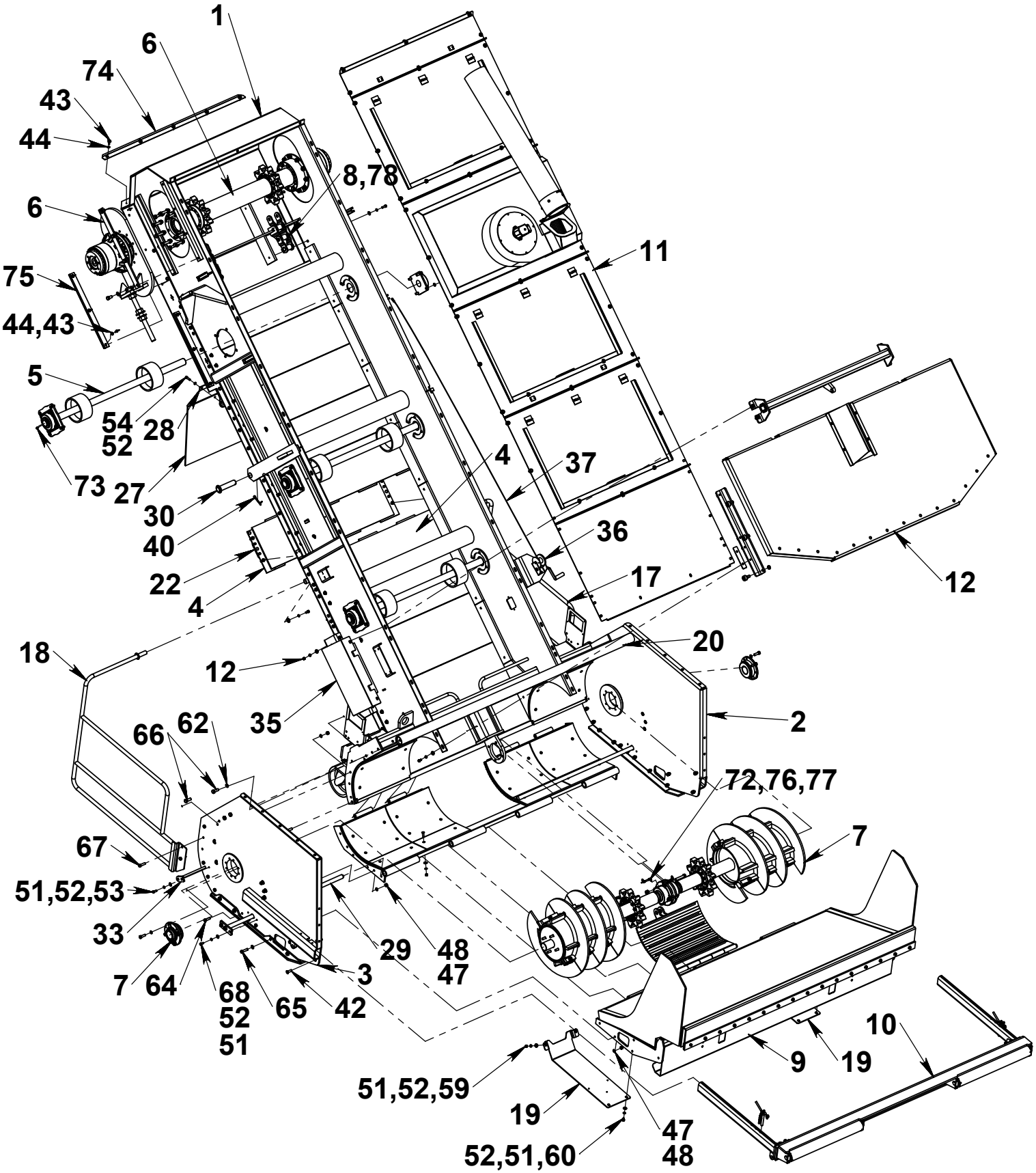
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SECTION 4 : CONVEYORS

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	242413-01	2005 & UP	4.1
C-1 CHAIN	234063-01		4.8
C-1 IDLERS & BEARINGS	220156-01		4.10
FOOTSHAFT	222093-01		4.11
HEADSHAFT & TAKE- UP	240810-01		4.12
C-1 & C-3 DRIVE GEARBOX	29E38		4.13
C-1 DRIVE MOTOR	142642-04		4.15
TOP COVER & FUME-X	233958-01		4.17
WEAR PLATES	242414-01		4.19
DUMP HOPPER	233956-01		4.21
VIBRATOR	214654-01		4.23
BAFFLE	222584-01		4.24
HYD. PUSH ROLLER	220159-01		4.25
WHEEL ASSY.	132001-04		4.26
C-2 CONVEYOR	234445-01	2002 & UP	4.27
C-2 CHAIN	234064-01		4.34
IDLER	235574-01		4.36
HEADSHAFT & TAKE-UP	235576-01		4.37
FOOTSHAFT & AUGER	235401-01		4.39
C-2 DRIVE GEARBOX	203739-01		4.41
C-2 DRIVE MOTOR	149224-04		4.43
C-2 WEAR PLATES	235443-01		4.45
FLOWGATES	235462-01		4.46
FLOWGATE ACCESS COVER	224996-03		4.47
C-3 CONVEYOR	242134-01		4.49
C3 CHAIN	234065-01		4.52
IDLER	234452-01		4.54
HEAD SHAFT & TAKE-UP	234460-01		4.55
FOOT SHAFT	234462-01		4.57
INSULATION PANEL & TRUCK RAIL	234451-01		4.58
TOP COVER W/FUME	234450-01		4.59
C-3 DRIVE MOTOR	91681-04		4.61

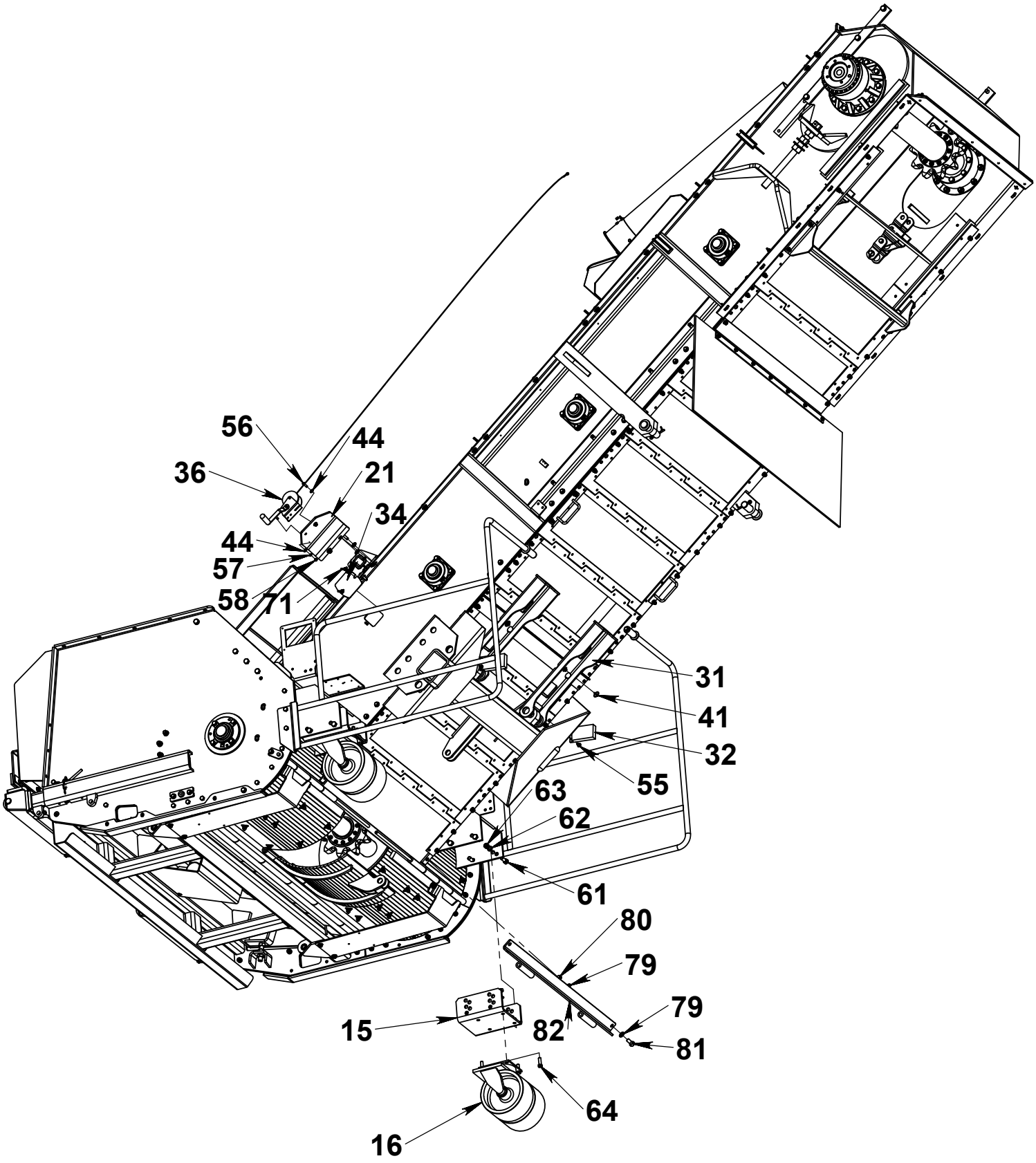
ASSEMBLY-C1 CONVEYOR SB-2500E
(242413-01)

NEXT PAGE



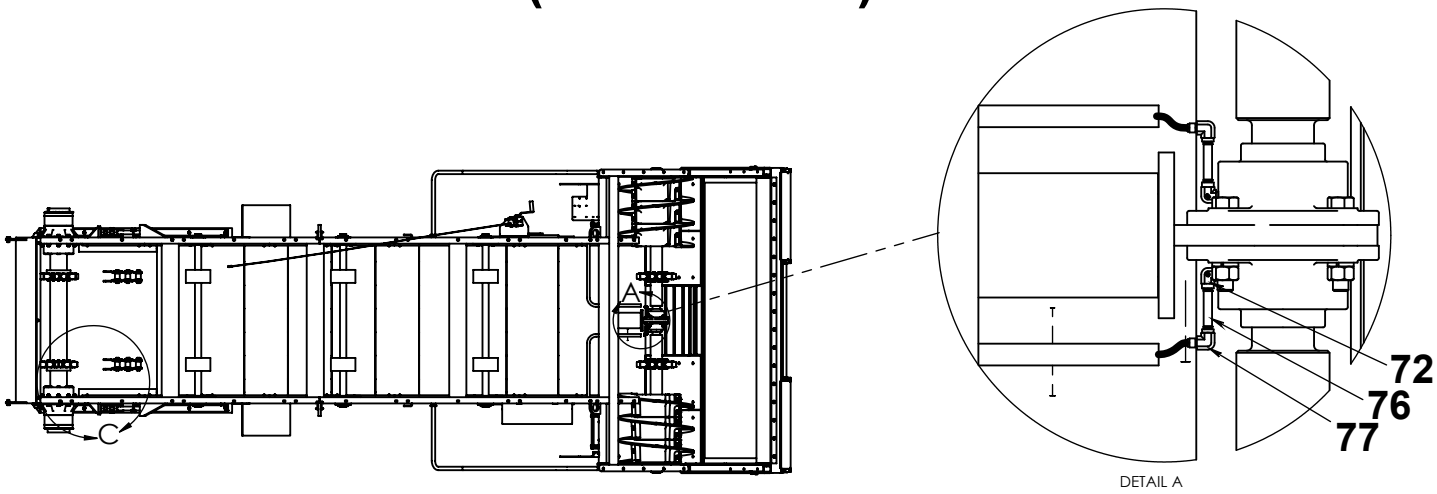
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ASSEMBLY-C1 CONVEYOR SB-2500E (242413-01)



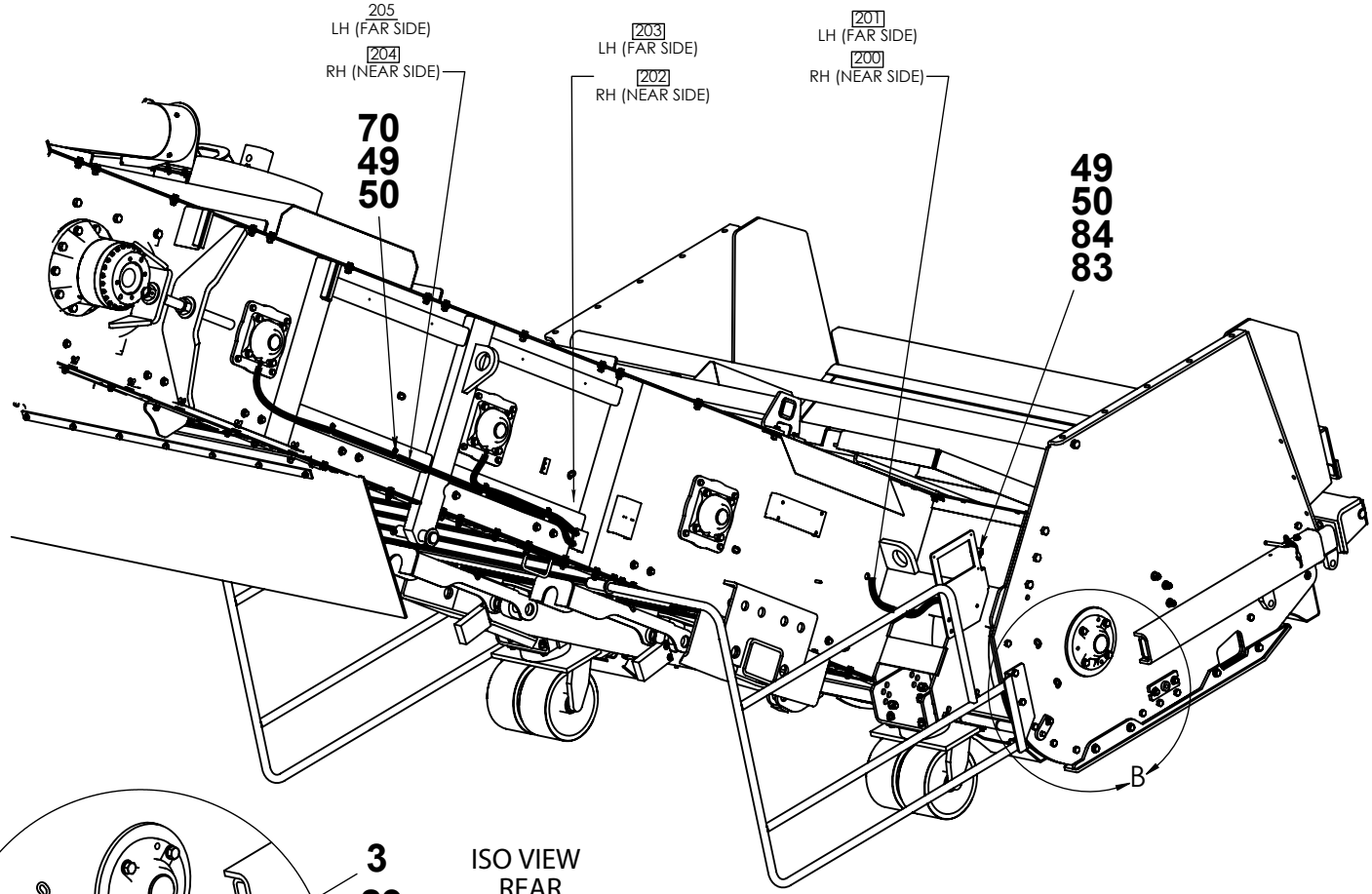
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ASSEMBLY- C1 CONVEYOR SB-2500e
(242413-01)

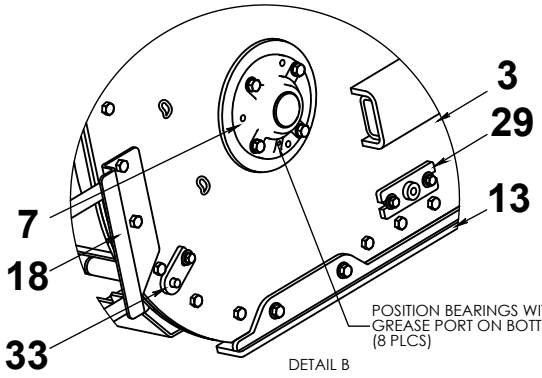


TOP VIEW
(SOME COMPONENTS REMOVED FOR CLARITY)

DETAIL A



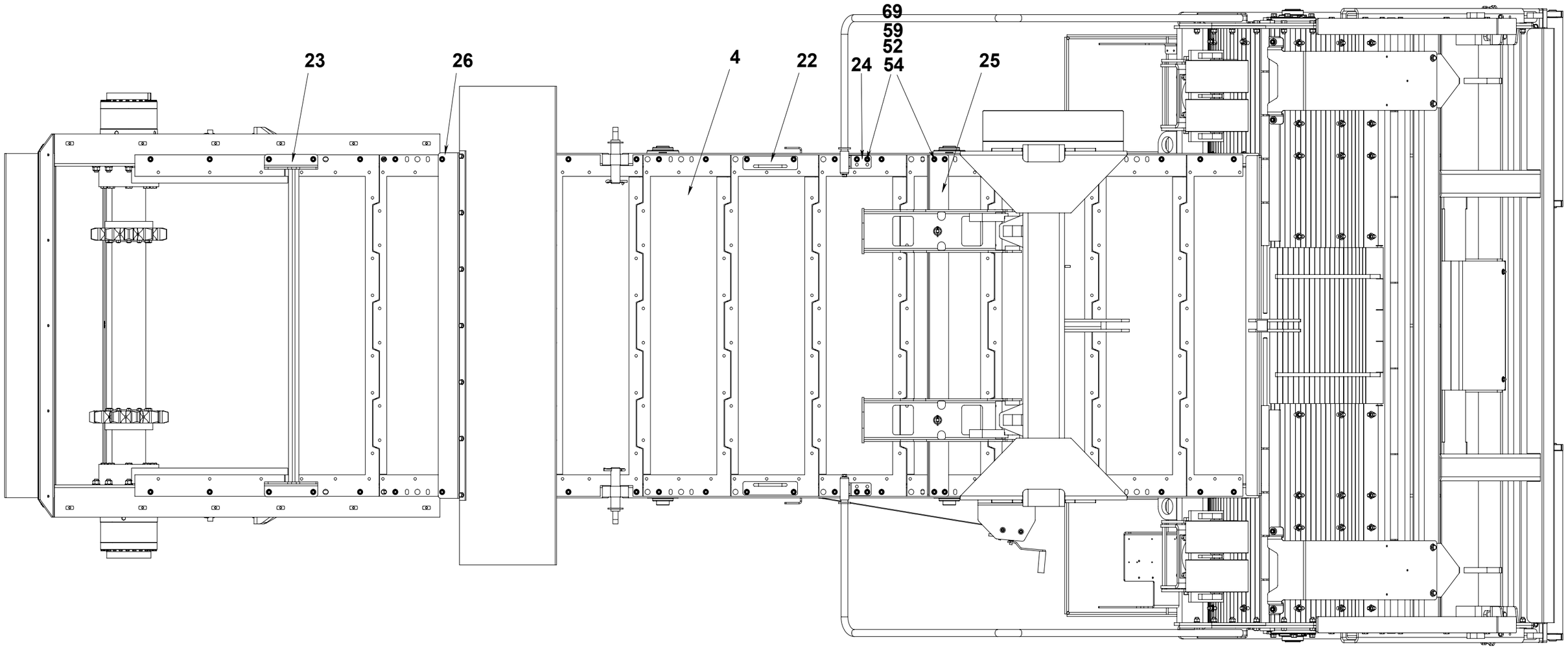
ISO VIEW
REAR



DETAIL B

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ASSEMBLY-C1 CONVEYOR SB-2500E T4
(242413-01)



BOTTOM VIEW

ASSEMBLY-C1 CONVEYOR SB-2500E (242413-01)

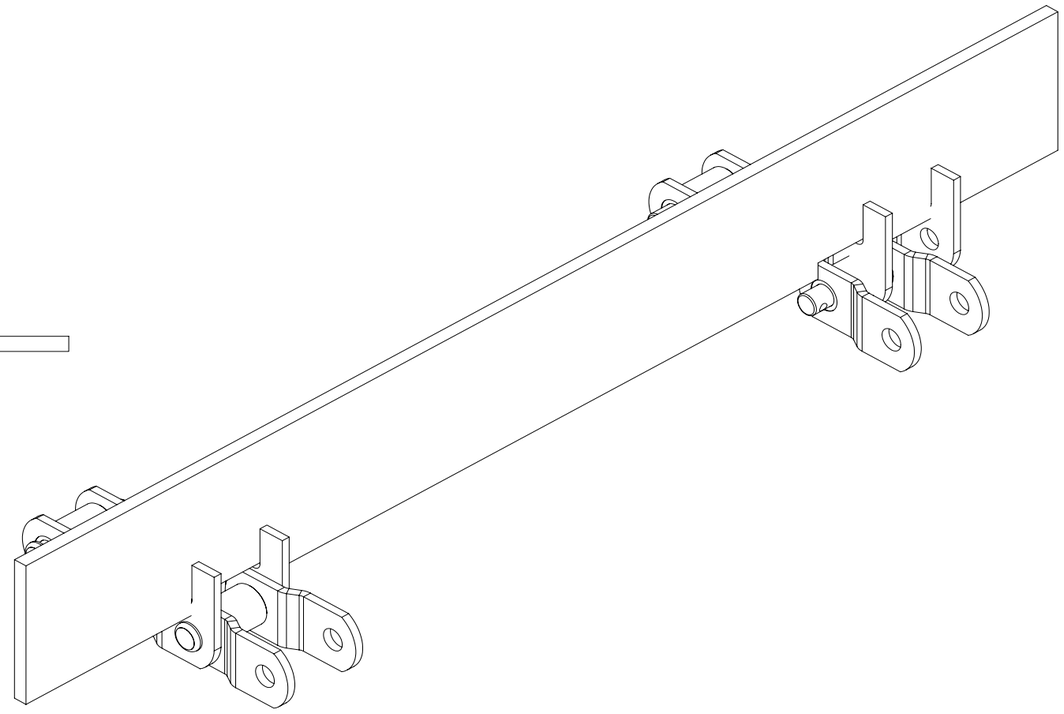
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	242399-01	WELDMENT-C1 MAIN	1
2	233955-01	WELDMENT-C1 HOPPER ENDPLATE, LH	1
3	233954-01	WELDMENT-C1 HOPPER ENDPLATE, RH	1
4	242414-01	ASSY-C1 CLAD WEAR PLATES SB-2500E	1
5	220156-01	ASSEMBLY, C1 IDLERS AND BEARINGS	3
6	240810-01	ASSEMBLY-C1 TAKE-UP & HEADSHAFT	1
7	222093-01	ASSY-C1 FOOT SHAFT	1
8	234063-01	CHAIN * C1 SB-2500E T4	1
9	233956-01	ASSEMBLY-C1 DUMP HOPPER	1
10	220159-01	ASSEMBLY-C1 PUSH ROLLER	1
11	233958-01	ASSEMBLY-C1 TOP COVERS & FUME-X	1
12	222584-01	ASSEMBLY-C1 BAFFLE	1
13	220185-01	WELDMENT-SKID RUNNER RH	1
14	220184-01	WELDMENT- SKID RUNNER LH	1
15	142499-02	ADJUSTABLE CASTER MOUNTING PLATE	2
16	132001-04	CASTER * SWIVEL W/CAST IRON WHEELS	2
17	234734-01	WELDMENT-C1 GUARD RAIL LH	1
18	234735-01	WELDMENT-C1 GUARD RAIL RH	1
19	222588-01	DETAIL-C1 HOPPER HOSE TRAY	2
20	222006-03	WELDMENT-C1 SIDEWALL BRACE	1
21	237781-03	DETAIL-WINCH MOUNTING BRACKET-2500E	1
22	242438-03	WELDMENT-C1 HYD HOSE RETAINER	2
23	242439-02	WELDMENT-C1 EXIT BRACE	1
24	242442-03	WELDMENT-C1 HANDRAILS SOCKET	2
25	242443-03	WELDMENT-C1 CYL STOP RETAINER BRKT	1
26	242444-02	DETAIL-C1 CURTAIN BRACKET	1
27	207381-03	RUBBER - FLASHING	1
28	99159-03	CLAMP BAR	1
29	223190-03	WELDMENT-DUMP HOPPER HINGE PIN	2
30	99165-04	WLDT- PIVOT PIN	2
31	207691-01	WELDMENT - C1 LIFT CYLINDER PROP	2
32	200734-04	DETAIL-CYLINDER STOP	2
33	148045-03	WLDT- PIVOT PIN (HOPPER)	2
34	129384-03	DETAIL-C2 INSPECTION PLATE	1
35	201154-03	DETAIL-C1 CTRL MANIFOLD COVER	1
36	142469-04	WINCH *600# 3.1:1 RATIO	1
37	233949-01-1	CABLE - 1/8" AIRCRAFT x 120" LG	1
38	142600-04	CLAMP * 1/8" ROPE CRIMP	2
39	136743-04	SCREED FLATWASHER	2
40	27D87	PIN * COTTER 3/8" X 3 1/2"	2
41	144993-04	PIN * 3/16" LYNCH	2
42	121835	BOLT * CSK 5/8"-11 X 2"	2
43	89987-04	BOLT * WING 3/8"-16 X 1" GD.8	17
44	83757	WASHER ~ FLAT 3/8 STEEL	22
45	91223-04	BOLT * CSK 5/8"-11 X 1 3/4"	6

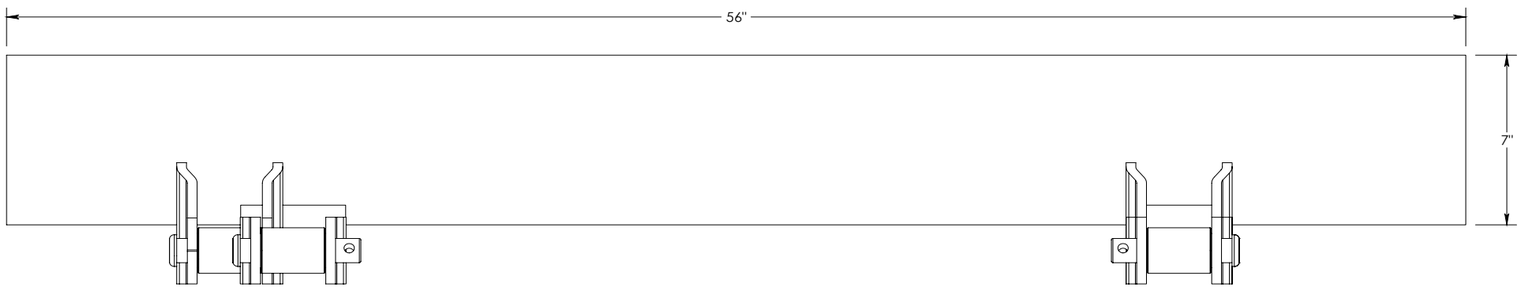
ASSEMBLY-C1 CONVEYOR SB-2500E (242413-01)

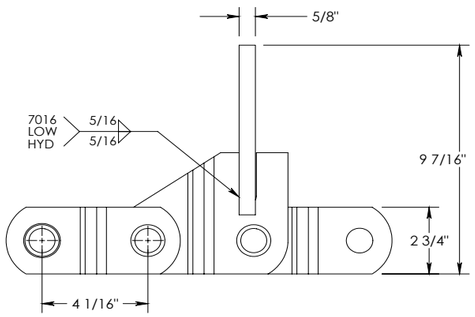
ITEM #	PART #	DESCRIPTION	Default/ QTY
46	26F83	WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW	14
47	84717	WASHER * LOCK 5/8" SPRING STEEL	46
48	85148	NUT * 5/8"-11 HEX GRADE 8	46
49	83065	WASHER * LOCK 1/4" SPRING STEEL	12
50	83114	BOLT * HEX 1/4"-20 X 1/2"	12
51	83781-04	WASHER * FLAT 1/2" STEEL	14
52	83317	WASHER * LOCK 1/2" SPRING STEEL	31
53	86164	BOLT * HEX 1/2"-13 X 1 1/4"	2
54	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	15
55	128462	BOLT * CSK FLAT 1/2"-13 X 1"	4
56	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2
57	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
58	83055	NUT * 3/8-16 HEX GRADE 8	2
59	83288	NUT * 1/2"-13 HEX GRADE 8	12
60	23V93	BOLT ~ HEX 1/2"-13 x 3/4"	4
61	93189	BOLT * HEX 3/4"-10 X 2 1/4"	8
62	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	16
63	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	14
64	96041	BOLT ~ HEX 5/8-11 x 2"	26
65	89252	BOLT * HEX 5/8"-11 X 2 1/2"	8
66	93071	BOLT ~ HEX 3/4"-10 x 2" LG.	8
67	93122	BOLT * HEX 5/8"-11 X 2 1/4"	4
68	83754	BOLT * HEX 1/2"-13 X 1"	6
69	10D63	WASHER ~ 1/2" HARD A325	16
70	20K33	CLAMP * 3/8" DIA. X 1/2" WTH. X 1/4	8
71	129097	NUT * WING 3/8-16	2
72	23J52	FIT * ELBOW 1/8"NPTM X 1/8 NPTF 90	2
73	83742-04	FIT ~ CONNECTOR 4 JIC - 1/8" NPT M.	4
74	129238-03	DETAIL-CANVAS CLAMP BAR 67 1/2"	1
75	204707-03	DETAIL-CANVAS CLAMP BAR 30"	4
76	223470-04	NIPPLE ~ PIPE 1/8" X 2 1/2" LG. STEEL	2
77	238086-04	FITTING * 4 JIC M X 2 NPT F 90 DEG	2
78	214951-03-C2	T HEAD COTTER FOR MXS1907 CHAIN	2
79	95937	WASHER * FLAT 3/4" HARD	4
80	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	2
81	95932	BOLT * HEX 3/4"-10 X 1 1/2"	2
82	244561-01	WELDMENT-C1 WEAR PLATE SUPPORT	1
83	246973-03	DETAIL-WASHDOWN SPRAYER HOLE COVER	2
84	84444	WASHER * FLAT 1/4" STEEL	4

SB-2500E C-1 CHAIN ASSY.
(234063-01)



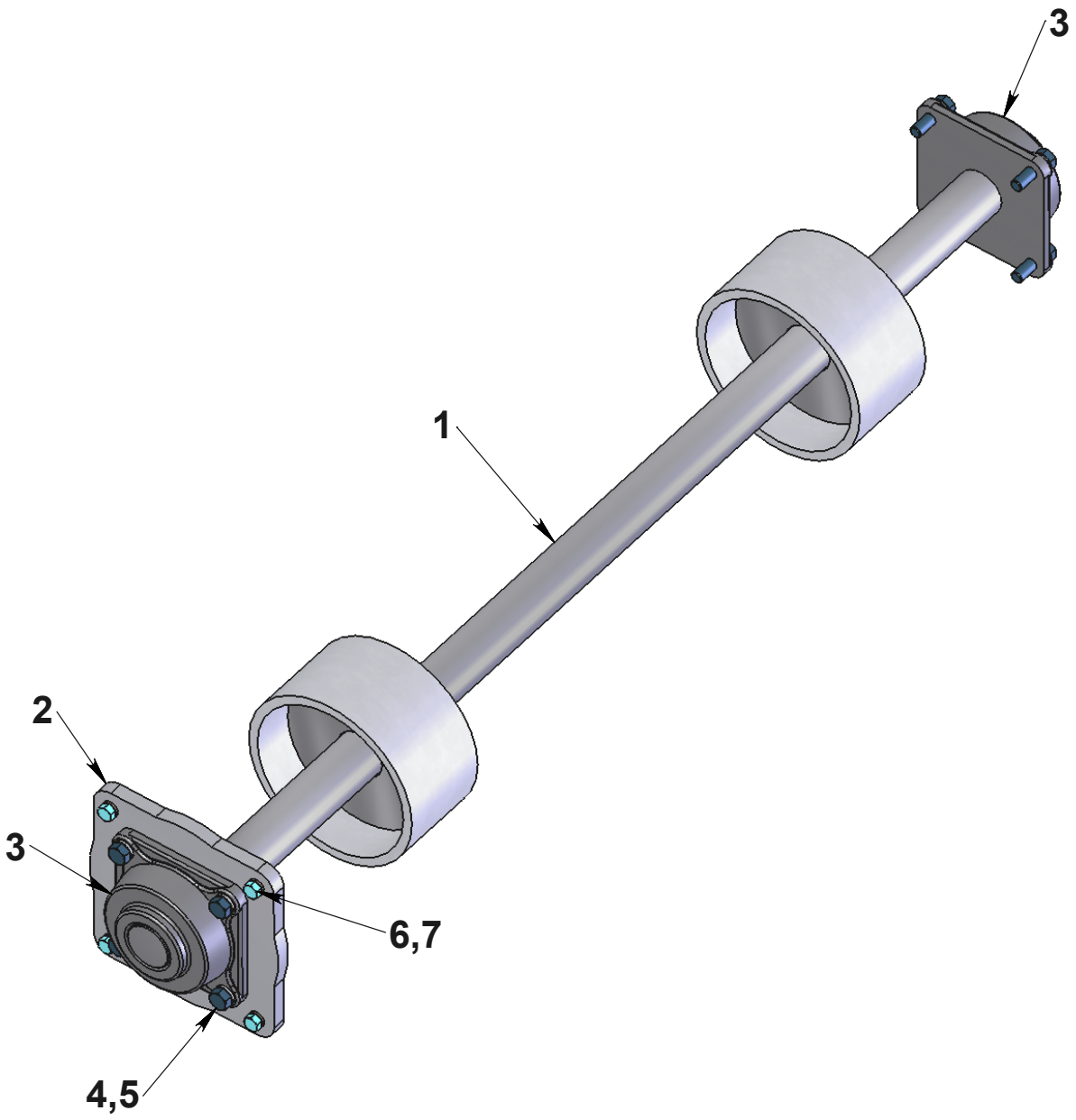






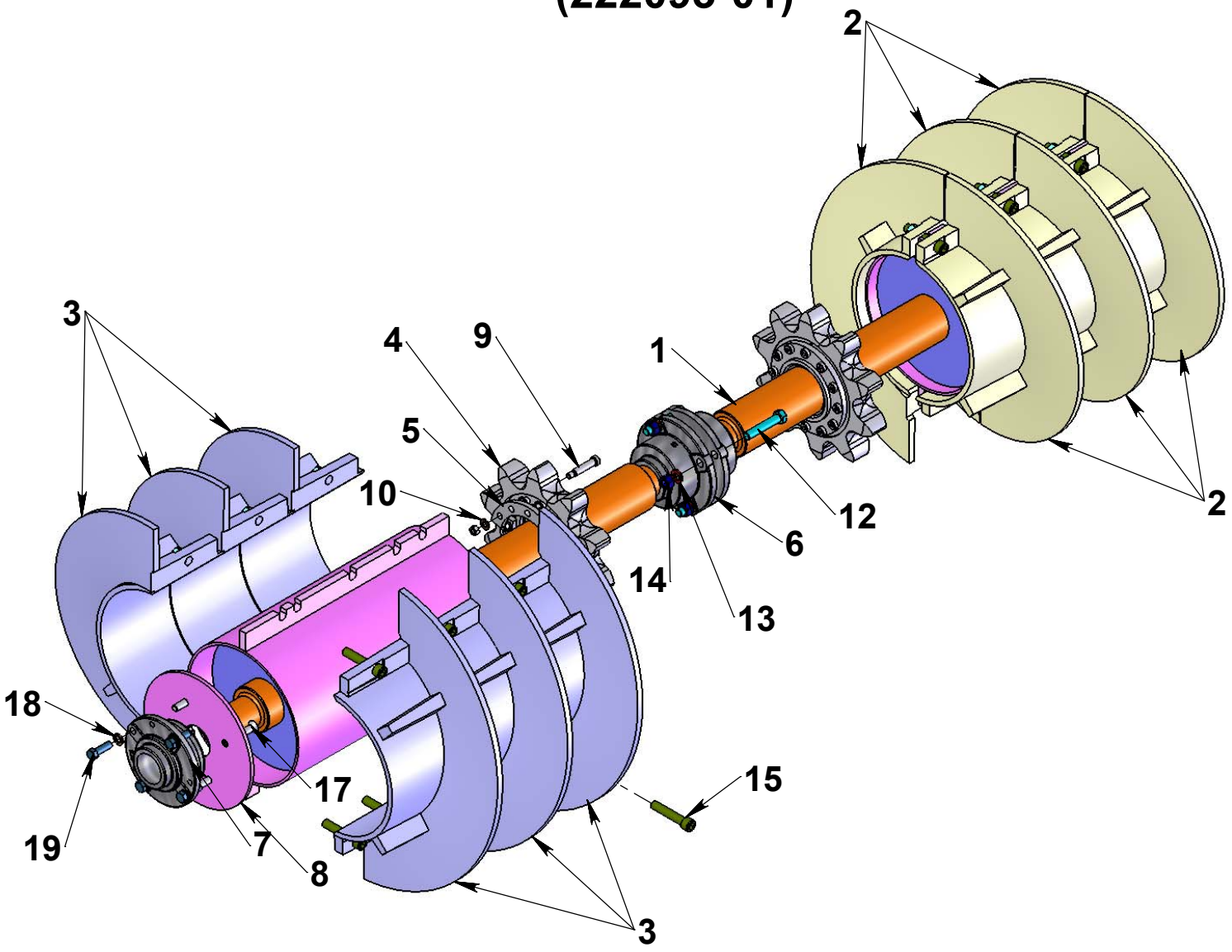
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ASSEMBLY, C1 IDLERS AND BEARINGS (220156-01)



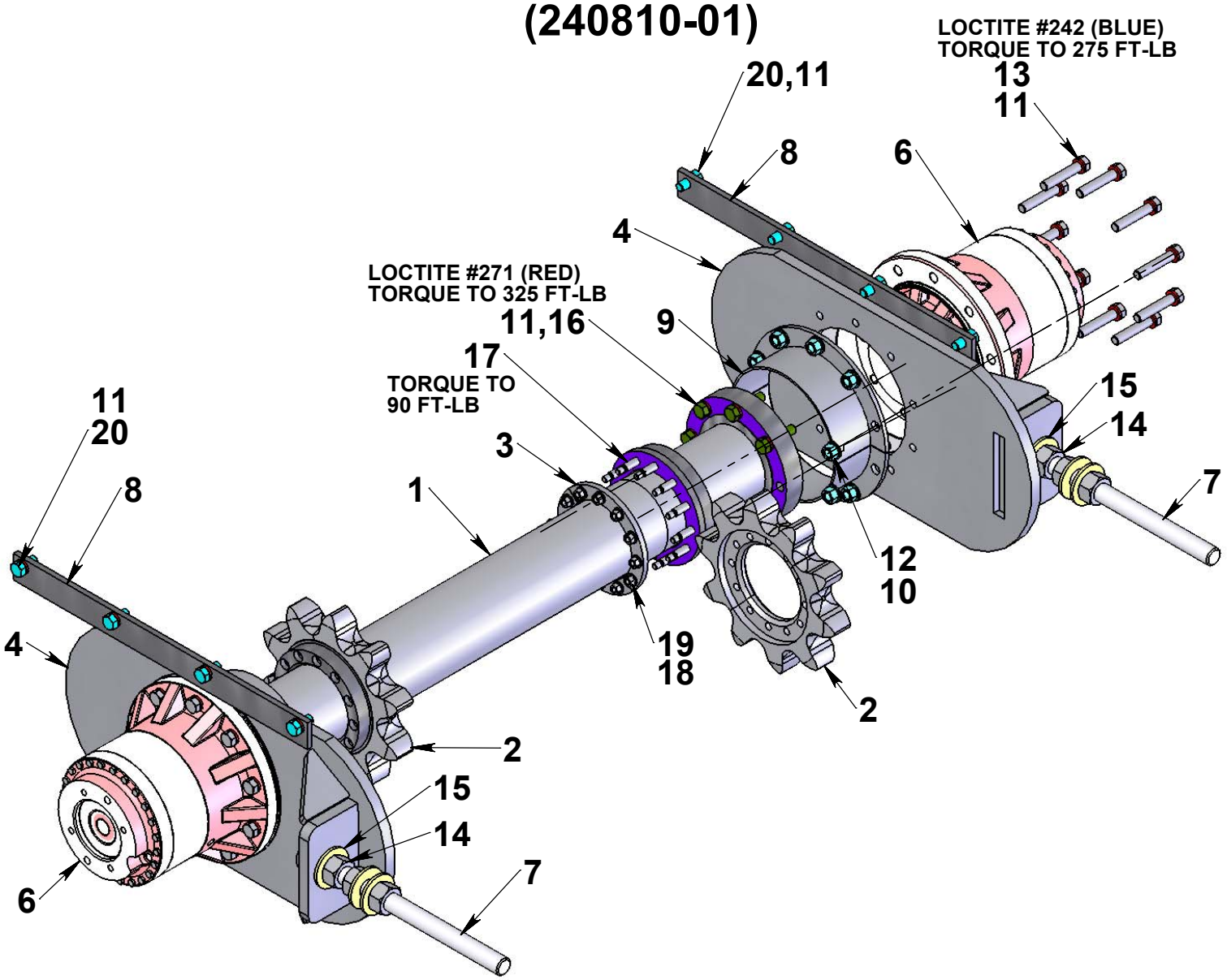
ITEM #	PART #	DESCRIPTION	QTY
1	222803-01	WELDMENT, C-1 IDLER SHAFT	1
2	99364-03	BEARING PLATE	1
3	88993-04	BEARING * 4 BOLT FLANGE	2
4	96041	BOLT ~ HEX 5/8-11 x 2"	8
5	84717	WASHER ~ LOCK 5/8" SPRING STEEL	8
6	86164	BOLT * HEX 1/2"-13 X 1 1/4"	4
7	83317	WASHER * LOCK 1/2" SPRING STEELGR.8	4

ASSY-C1 FOOT SHAFT
(222093-01)



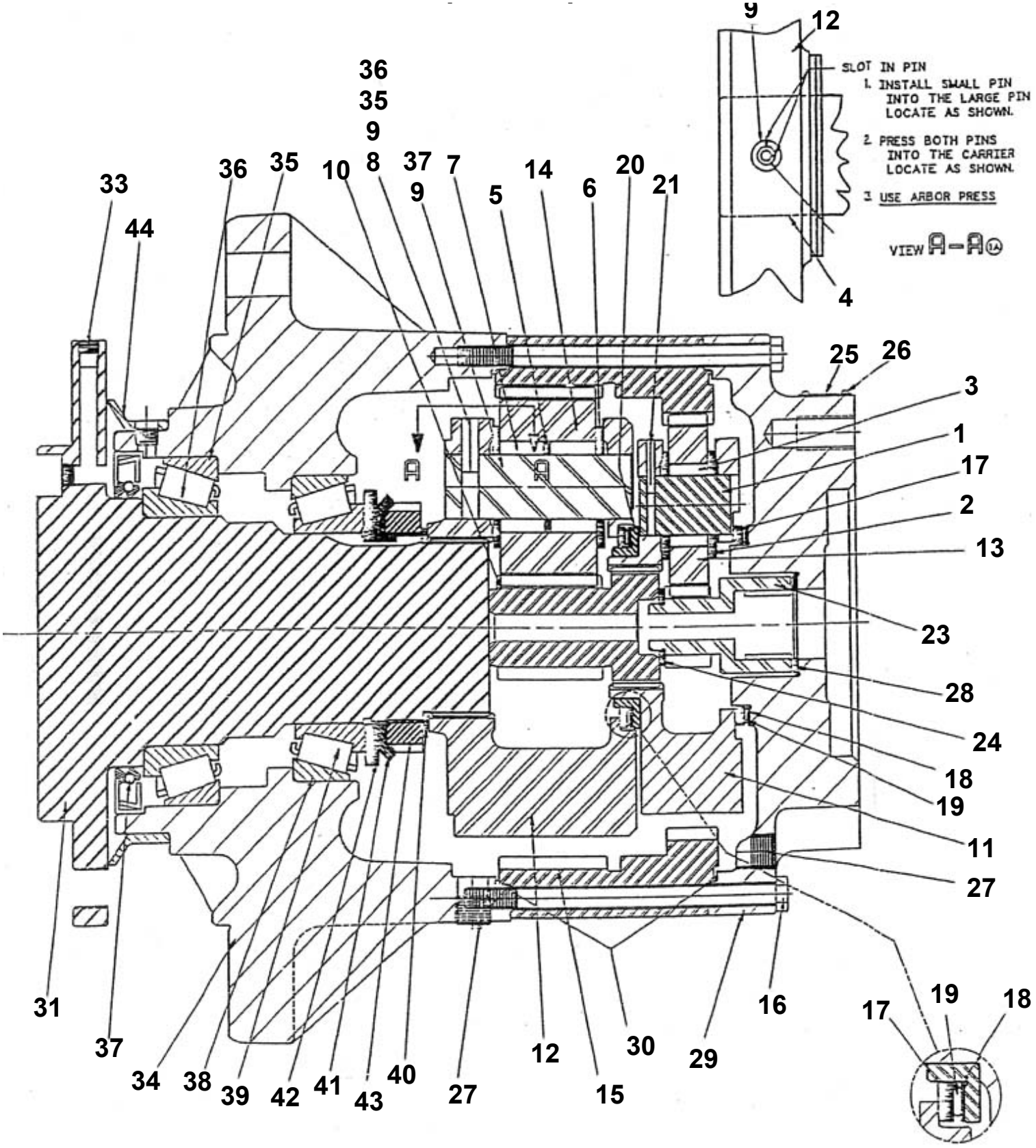
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	222092-01	WELDMENT-C1 FOOTSHAFT	2
2	96003-01A	FLIGHT * BA 8 3/4" R.H.PITCH (L.S.)	6
3	96004A	FLIGHT * BB 8 3/4" L.H.PITCH (R.S)	6
4	222009-03	SPROCKET* 10 TEETH, 4 1/16 PITCH, MUD RELIEF	2
5	139665-04	SPROCKET COVER PLATE	4
6	29M98	BEARING, FLANGED 3" 4-BOLT	2
7	122266-04	BEARING, ROLLER 3" DIA.	2
8	222094-03	DETAIL-COVER PLATE	2
9	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
10	10D63	WASHER ~ 1/2" HARD A325	24
11	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
12	12K35	BOLT * HEX 3/4"-10 x 4"	4
13	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	4
14	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	4
15	95834	SCREW * 3/4"-10 X 4" SOC.HD.	18
16	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	18
17	91223-04	BOLT * CSK 5/8"-11 X 1 3/4"	8
18	84717	WASHER * LOCK 5/8" SPRING STEEL	8
19	96041	BOLT ~ HEX 5/8-11 x 2"	8

ASSEMBLY-C1 TAKE-UP & HEADSHAFT (240810-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	220164-01	WELDMENT- C1 HEAD SHAFT	1
2	222009-03	SPROCKET* 10 TEETH, 4 1/16 PITCH, MUD RELIEF	2
3	139665-04	SPROCKET COVER PLATE	4
4	240811-01	WELDMENT-C1 CONV. TAKE-UP BRACKET	2
5	211345-03	DETAIL-C1 HEADSHAFT SPACER	4
6	29E38	PLANETARY SPEED REDUCER	2
7	222306-04	ASSEMBLY - TAKE-UP SCREW	2
8	215750-03	DETAIL-UPPER KEEPER BAR	2
9	223785-01	WELDMENT-C1 DRIVE BOOT GUARD	4
10	95937	WASHER * FLAT 3/4" HARD	20
11	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	44
12	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	20
13	94716	BOLT * HEX 3/4"-10 X 4" FULL THREAD	20
14	83031	NUT * 1 1/2"-6 HEX GRADE 8	6
15	83032	WASHER * FLAT 1 1/2" N SERIES	8
16	122336	BOLT * HEX 3/4"-16 X 3" GD.8	16
17	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
18	10D63	WASHER ~ 1/2" HARD A325	24
19	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
20	95932	BOLT * HEX 3/4"-10 X 1 1/2"	8

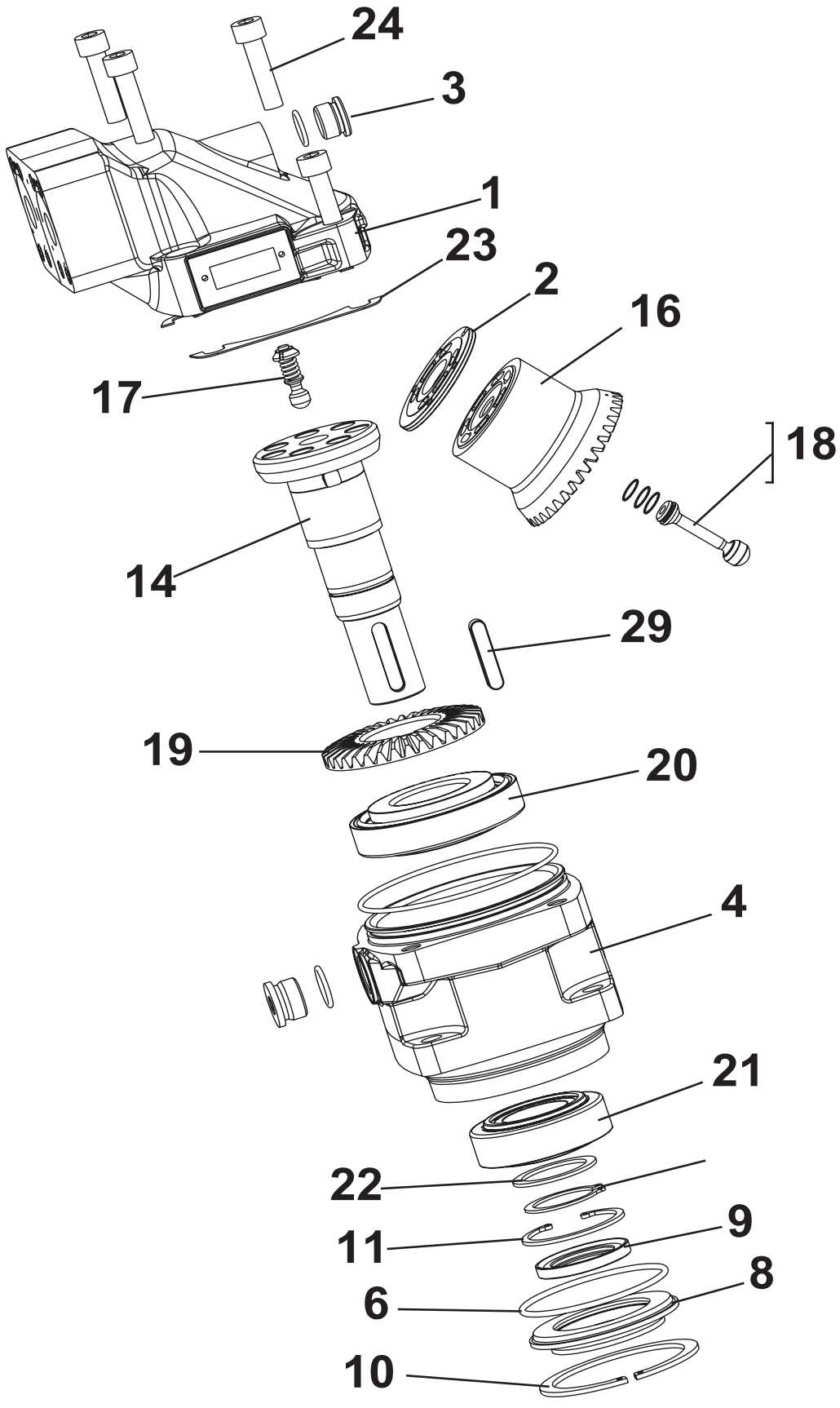
C-1 & C-3 DRIVE GEARBOX
(29E38)



C-1 & C-3 DRIVE GEARBOX
(29E38)

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

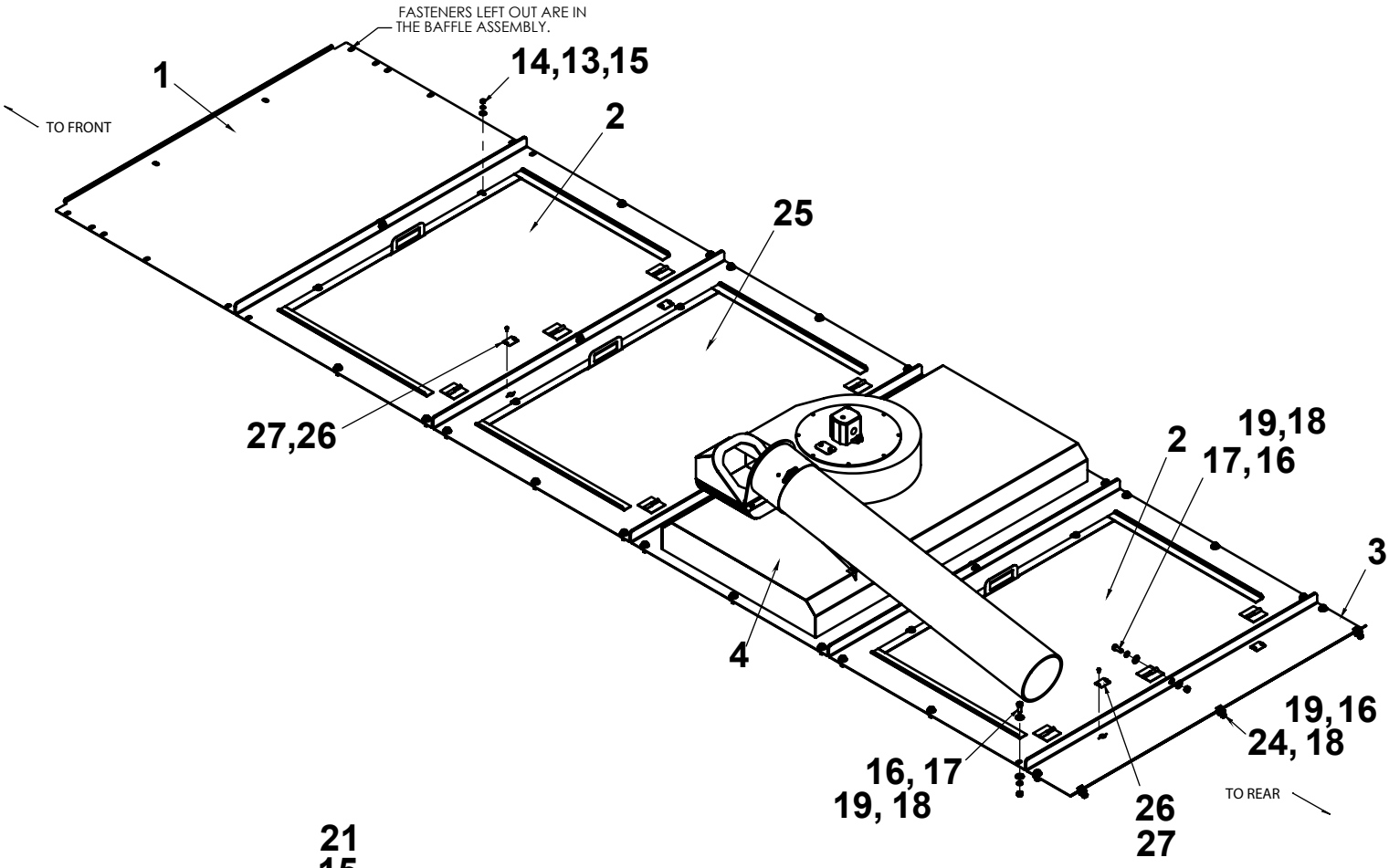
C-1 CONVEYOR DRIVE MOTOR
(142642-04) With two tappered roller bearings

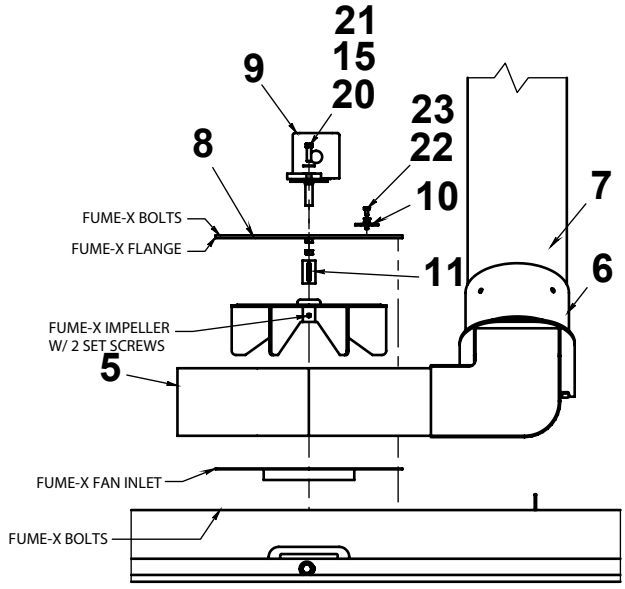


C-1 CONVEYOR DRIVE MOTOR
(142642-04)

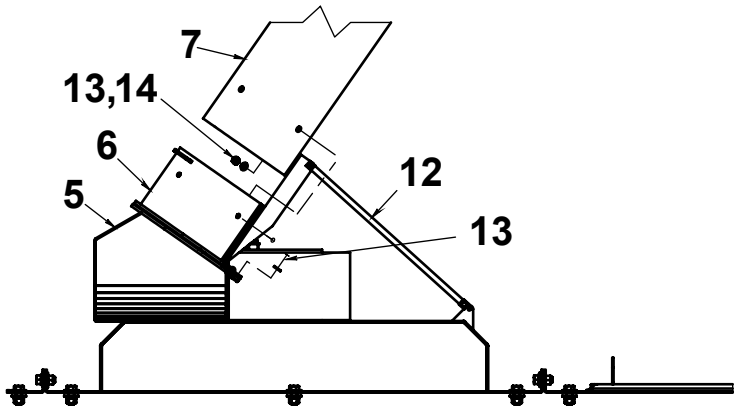
ITEM #	PART NO.	DESCRIPTION	QTY.
1	142642-04-C8	BARREL HOUSING	1
2	142642-04-C9	VALVE PLATE	1
3	142642-04-C10	HEX SOCKET PLUG	1
4	142642-04-C11	BEARING HOUSING	1
5	142642-04-C12	O-RING	1
6	142642-04-C13	O-RING	1
7	142642-04-C14	O-RING	1
8	142642-04-C15	SEAL CARRIER	1
9	142642-04-C16	SHAFT SEAL	1
10	142642-04-C17	RETAINING RING	1
11	142642-04-C18	RETAINING RING	1
12	142642-04-C19	BLEEDER PLUG	1
13	142642-04-C20	SEAL WASHER	1
14	142642-04-C6	SHAFT ASSY. (SHAFT & BEARING)	1
15	142642-04-C21	GUIDE PIN	1
16	142642-04-C22	CYLINDER BARREL	1
17	142642-04-C23	BARREL SUPPORT	1
18	142642-04-C7	PISTON ASSY.	1
19	142642-04-C24	RING GEAR	1
20	142642-04-C25	TAP ROL BEARING	1
21	142642-04-C26	TAP ROL BEARING	1
22		SPACER WASHER	
23		SHIM	2
24	142642-04-C27	HEX HD. SCREW	4
25	142642-04-C2	SHAFT SEAL	1
26	142642-04-C3	PISTON ASSY.	1
27	142642-04-C1	SEAL KIT	1
28	142642-04-C5	PISTON RING KIT	1
29		FLAT KEY	
30			

ASSEMBLY- C1 TOP COVER & FUME-X
(233958-01)





PARTIAL END VIEW



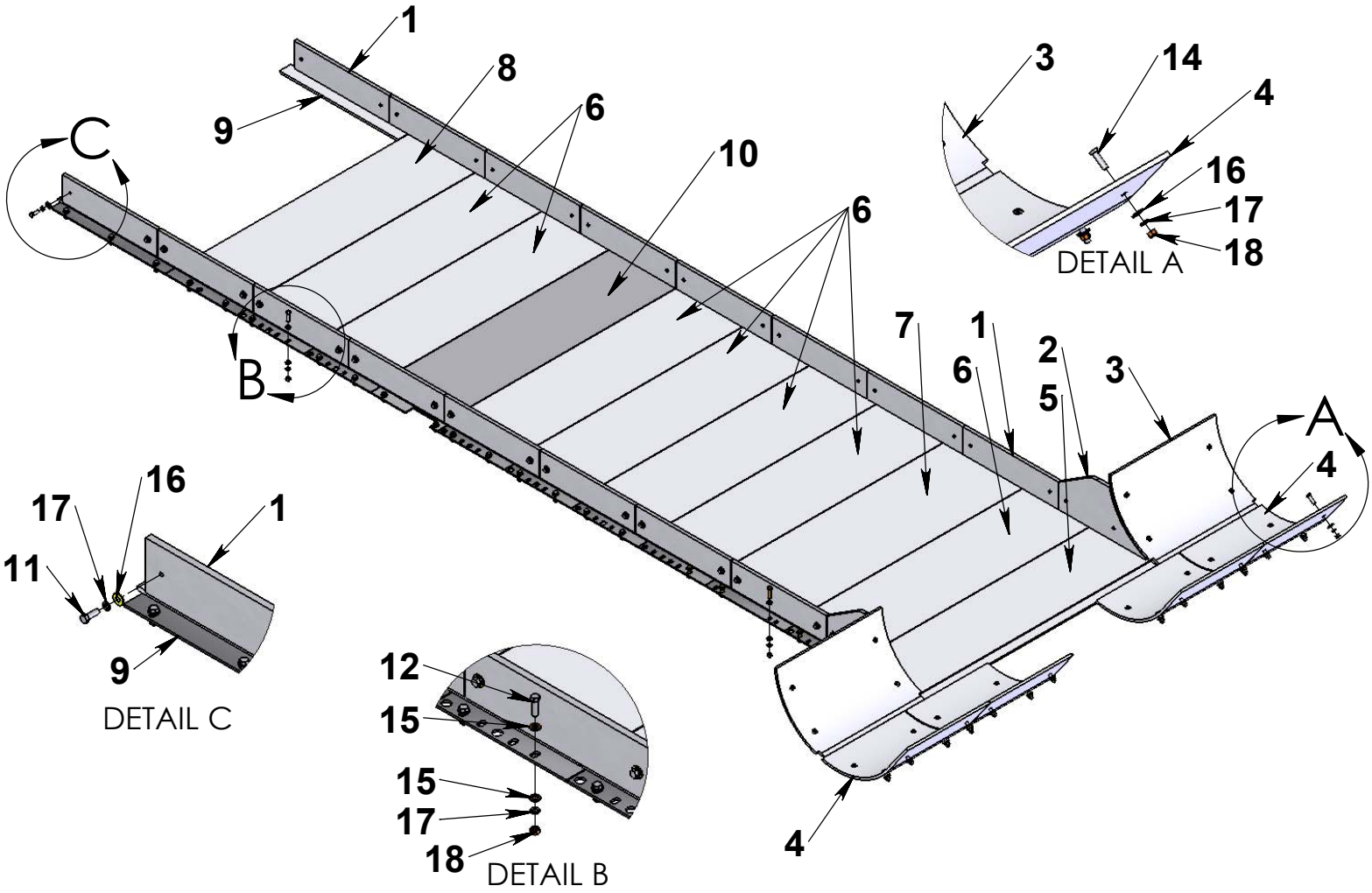
PARTIAL EDGE VIEW

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ASSEMBLY- C1 TOP COVER & FUME-X
(233958-01)

ITEM#	PART #	DESCRIPTION	QTY.
1	221947-01	DETAIL-C1 TOP COVER	1
2	222438-01	WLDT-TOP COVER C1 CONVEYOR	2
3	235248-01	DETAIL-C1 TOP COVER	1
4	233959-01	WELDMENT-C1 FUME-X COVER	1
5	234693-01	WELDMENT-C1 BLOWER SHROUD	1
6	234076-02	WELDMENT-FAN SHROUD VENT EXT.	1
7	129227-03	DETAIL-VENT PIPE	1
8	134686-01	BLOWER MOTOR MOUNTING PLATE (SUND)	1
9	215588-04	MOTOR - HYD 0.66 CID	1
10	134687-04	DETAIL-INSPECTION COVER	1
11	130665-04	BUSHING & KEY	1
12	133967-04	SPRING * 1/2"OD. 10"LG X 1/16"WIRE	1
13	83056	WASHER ~ LOCK 3/8 SPRING STEEL	13
14	83055	NUT * 3/8-16 HEX GRADE 8	10
15	83757	WASHER ~ FLAT 3/8 STEEL	8
16	83781-04	WASHER * FLAT 1/2" STEEL	64
17	86164	BOLT * HEX 1/2"-13 X 1 1/4"	29
18	83317	WASHER * LOCK 1/2" SPRING STEEL	32
19	83288	NUT * 1/2"-13 HEX GRADE 8	32
20	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2
21	92235	NUT * 3/8"-16 LOCK GRADE 8	2
22	83114	BOLT * HEX 1/4"-20 X 1/2"	2
23	83065	WASHER * LOCK 1/4" SPRING STEEL	2
24	93144	BOLT * HEX 1/2"-13 X 1 1/2"	3
25	247062-01	WLDT-C1 TOP COVER, AUTO WASH	1
26	246973-03	DETAIL-WASHDOWN SPRAYER HOLE COVER	4
27	235104-04	SCREW #10 X 1/2" HEX SELF-DRILL	8

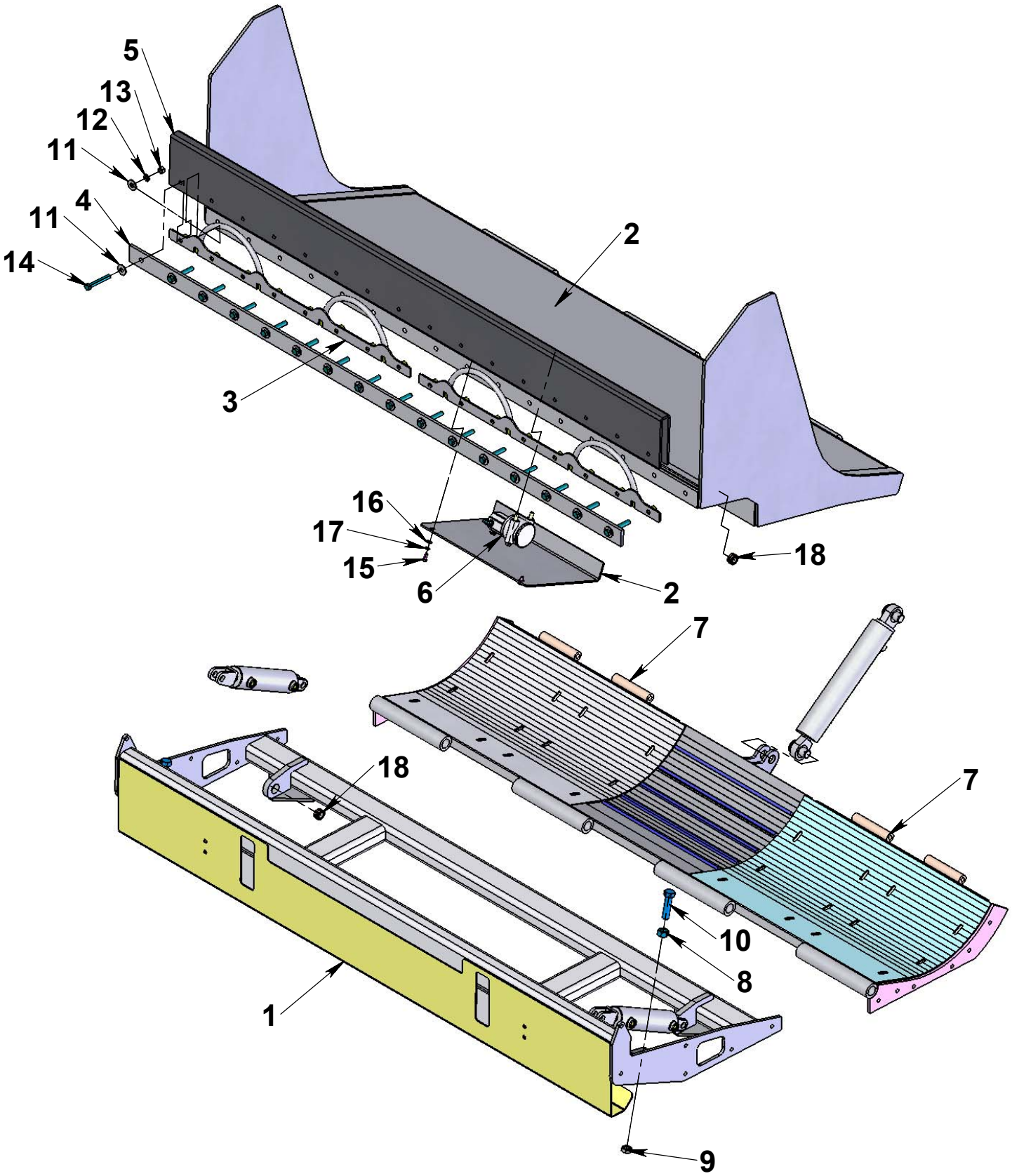
ASSY-C1 CLAD WEAR PLATES SB-2500E
(242414-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	149877-03	PLATE* C1&3 SIDE WEAR PLATE	16
2	220574-03	PLATE* C1 FIRST SIDE WEAR PLATE	2
3	235148-02	DETAIL-C1 UPPER AUGER LINER, CLAD	2
4	235149-02	DETAIL-C1 LOWER AUGER LINER, CLAD	4
5	242415-02	WELDMENT-C1 BOTTOM LINER CLAD, 1ST	1
6	242416-02	WELDMENT-C1 BOTTOM LINER CLAD, 17"	7
7	242417-02	WELDMENT-C1 BOTTOM LINER CLAD, 20"	1
8	242418-02	WELDMENT-C1 BTM LINER CLAD, EXIT	1
9	242419-03	WELDMENT-C1 BTM LINER CLAD, EDGE	2
10	242437-02	WELDMENT-C1 BOTTOM LINER CLAD,PIVOT	1
11	93144	BOLT * HEX 1/2"-13 X 1 1/2"	66
12	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	10
13	84674	BOLT ~ HEX 1/2"-13 x 2"	8
14	95847	CSK. BOLT * 1/2"-13 X 2"	32
15	10D63	WASHER ~ 1/2" HARD A325	96
16	83781-04	WASHER * FLAT 1/2" STEEL	68
17	83317	WASHER * LOCK 1/2" SPRING STEEL	116
18	83288	NUT * 1/2"-13 HEX GRADE 8	80

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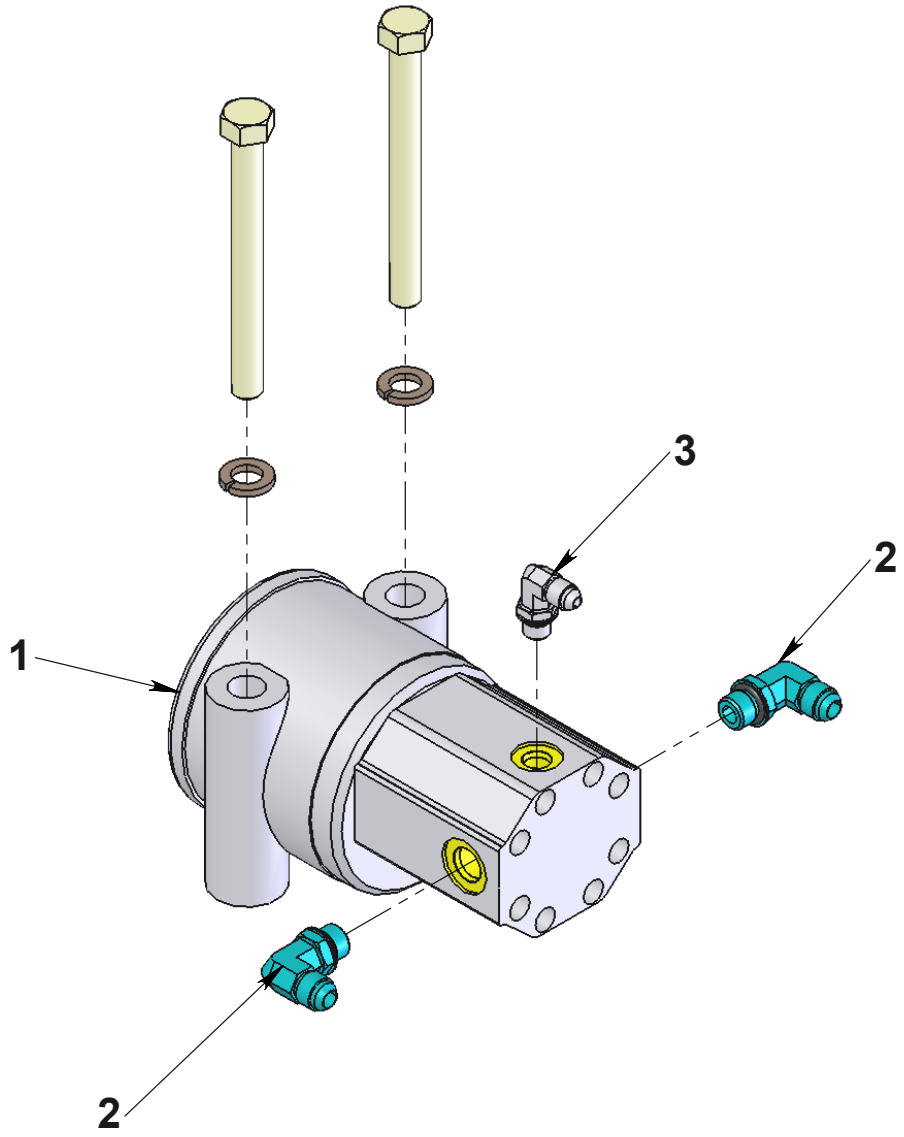
ASSEMBLY-C1 DUMP HOPPER
(233956-01)



ASSEMBLY-C1 DUMP HOPPER (233956-01)

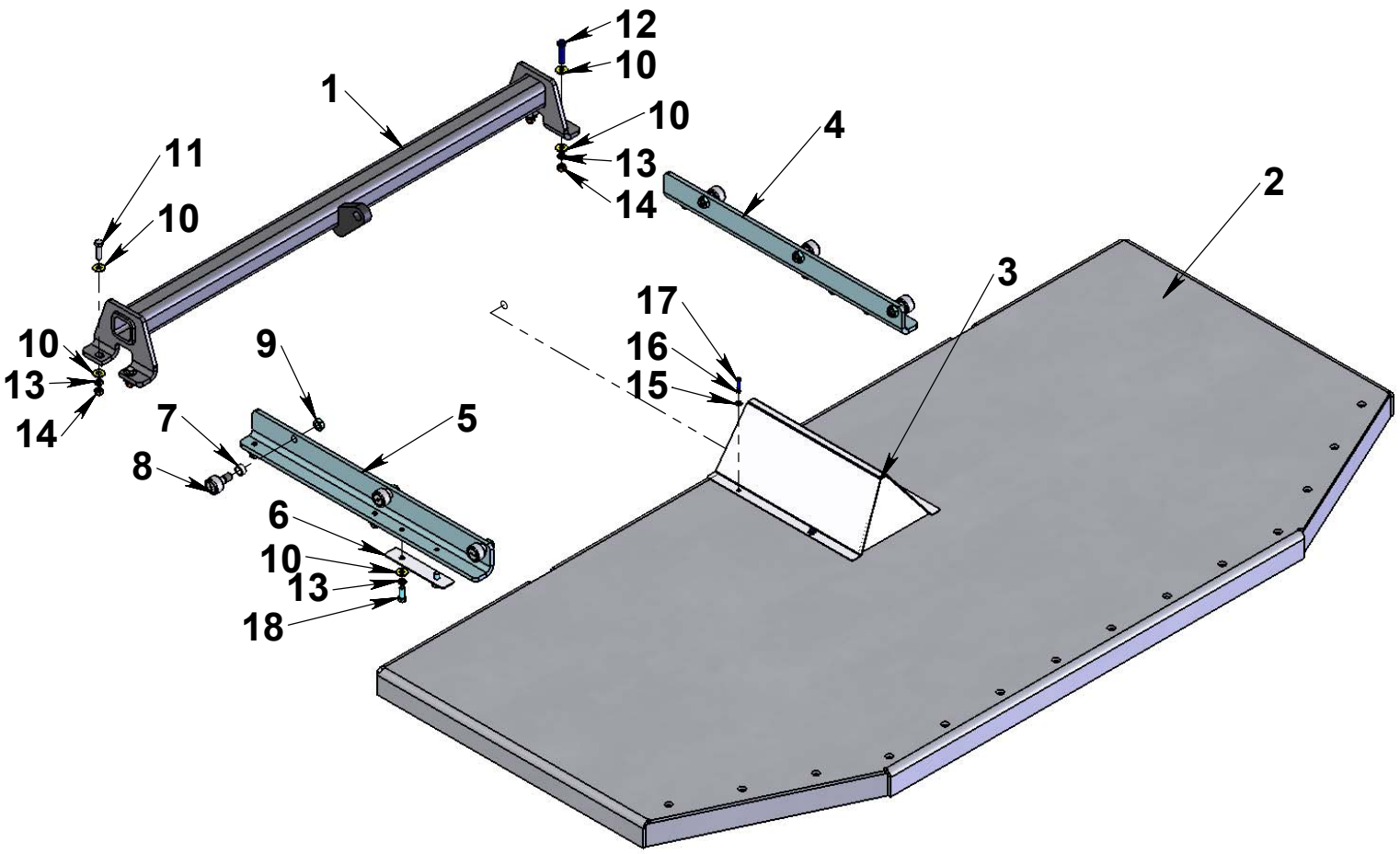
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	220177-01	WELDMENT-C1 HOPPER UNDERCARRIAGE	1
2	233957-01	WELDMENT-DUMP HOPPER	1
3	143620-03	FLASHNG.SUPPORT WLD.(C1 DUMP HOPPR)	2
4	220179-01-5	PLATE, 1/2 x 3 x 110 3/8, A36	1
5	222052-02	RUBBER FLASHING	1
6	214654-01	VIBRATOR ASSEMBLY	1
7	235324-01	WELDMENT-C1 CONVEYOR DUMP HEAD, SUB	1
8	98453	NUT * HEX 1"-8 UNC GRADE 8	2
9	88445-04	NUT * 1"-8 UNC JAM	2
10	135111	HEX ~ 1"-8 x 4 FULL THREAD GD.8	2
11	85147	WASHER * FLAT 5/8"(USS 1 3/4 OD)	32
12	84717	WASHER * LOCK 5/8" SPRING STEEL	16
13	85148	NUT * 5/8"-11 HEX GRADE 8	16
14	89814-04	BOLT * HEX 5/8-11 UNC X 4 1/2"	16
15	84332	BOLT * HEX 3/8"-16 X 1"	2
16	83757	WASHER ~ FLAT 3/8 STEEL	2
17	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
18	133846	BEARING * SPHERICAL 1"BORE DIA.	4

VIBRATOR ASSEMBLY
(214654-01)



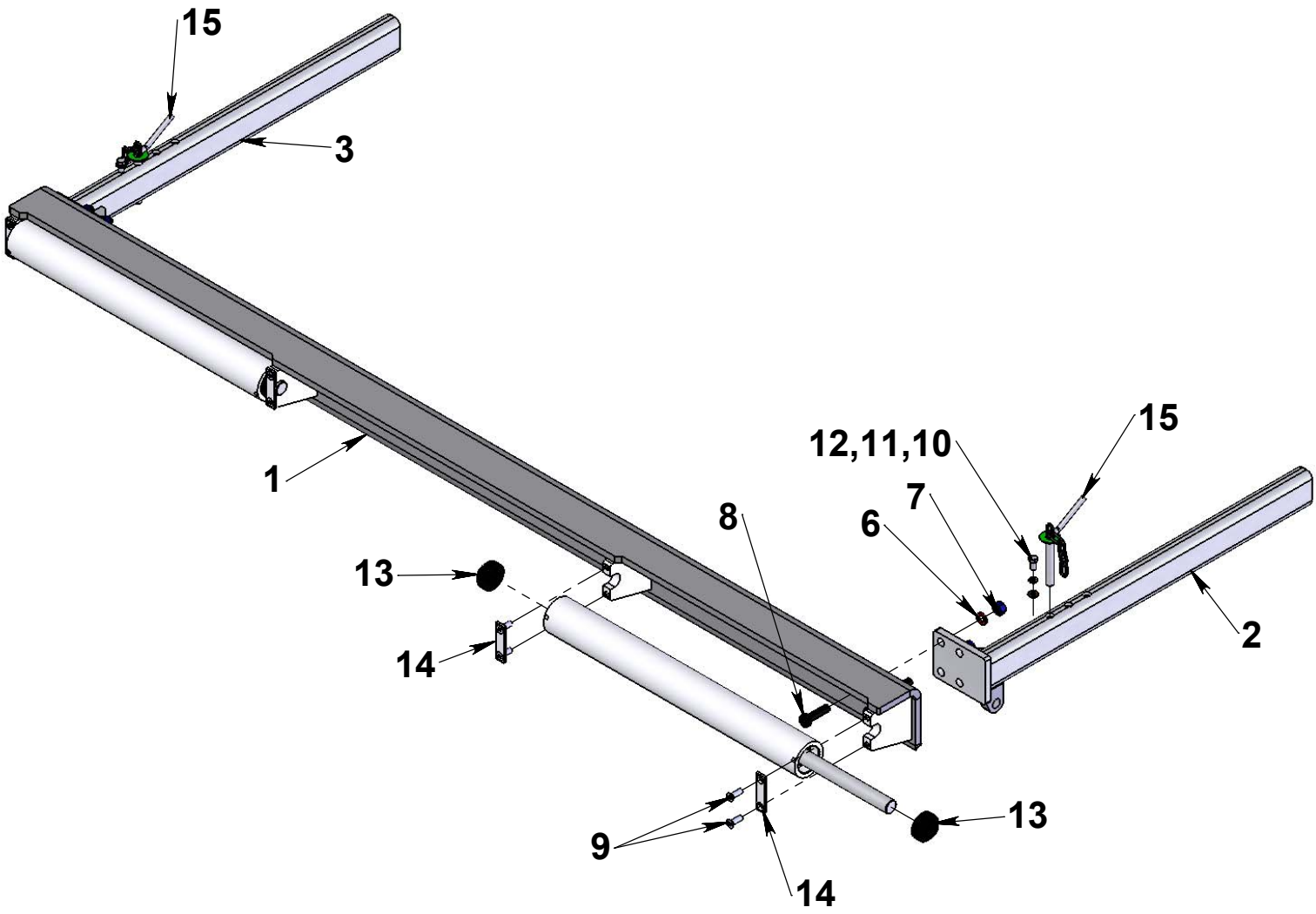
ITEM #	PART #	DESCRIPTION	QTY
1	149125-04	HYD.DRIVEN VIBRATOR 782 LB 9000 RPM	1
2	83734-04	FIT-ELBOW 90 DEG M W_NUT, WASHER, O-RING 6 JIC - 6 SAE	2
3	83743-04	ELBOW 90 DEG M W_NUT, WASHER, O-RING 4 JIC - 4 SAE	1

ASSEMBLY-C1 BAFFLE
(222584-01)



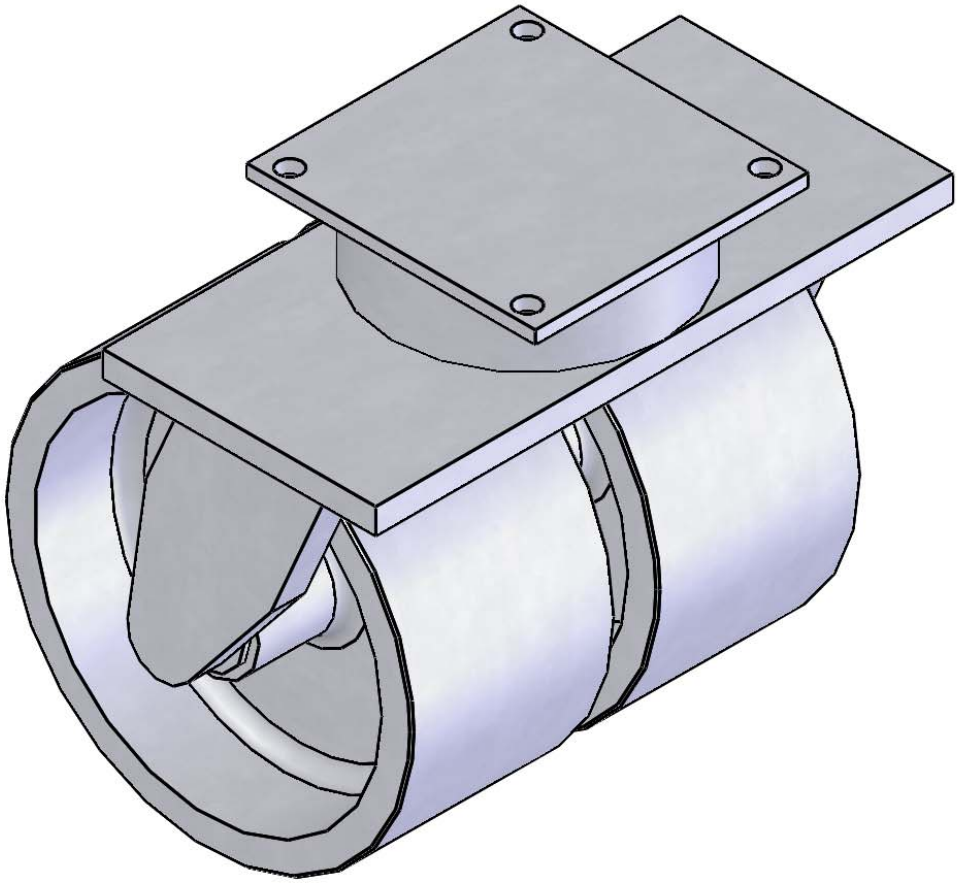
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	223002-01	WLDT-BAFFLE CYLINDER SUPPORT-2500E	1
2	222398-01	WELDMENT-BAFFLE-SB-2500D	1
3	141583-01	WELDMENT-HYDRAULIC CYLINDER COVER	1
4	222402-03	DETAIL-LH BAFFLE GUIDE	1
5	222403-03	DETAIL-RH BAFFLE GUIDE	1
6	222404-04	PLATE, 11 GA x 1 3/4 x 8 1/2, A1011	2
7	230888-04	DETAIL - SPACER FOR BAFFLE ROLLER	6
8	137544-04	BEARING * CAM FOLLOWER	6
9	95938	NUT * JAM 3/4"-10 UNC GRADE 8	6
10	83781-04	WASHER * FLAT 1/2" STEEL	16
11	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	2
12	26C56	BOLT * HEX 1/2"-13 X 2 1/4"	2
13	83317	WASHER * LOCK 1/2" SPRING STEEL	12
14	83288	NUT * 1/2"-13 HEX GRADE 8	4
15	84444	WASHER * FLAT 1/4" STEEL	4
16	83065	WASHER ~ LOCK 1/4" SPRING STEEL	4
17	89773	BOLT * HEX 1/4"-20 X 1"	4
18	86164	BOLT * HEX 1/2"-13 X 1 1/4"	8

ASSEMBLY-C1 PUSH ROLLER
(220159-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	220160-01	WELDMENT-PUSH ROLLER BAR	1
2	212467-01L	WELDMENT-PUSH ROLLER SUPPORT, LH	1
3	212467-01R	WELDMENT-PUSH ROLLER SUPPORT, RH	1
4	137441-02	DETAIL-34" PUSH ROLLER	2
5	134626-02	DETAIL-PUSH ROLLER SHAFT	2
6	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	8
7	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	8
8	95930	BOLT * HEX 3/4"-10 X 2 3/4"	8
9	26C72	BOLT ~ CSK 1/2-13 x 1 1/2	8
10	83754	BOLT * HEX 1/2"-13 X 1"	2
11	83317	WASHER * LOCK 1/2" SPRING STEEL	2
12	10D63	WASHER ~ 1/2" HARD A325	2
13	84734-04	BEARING * SEALMASTER 1 7/16" SL23	4
14	149088-04	PUSH ROLLER LOCK BAR	4
15	148064-03	WELDMENT-PUSH ROLLER LOCKING	2
16			-

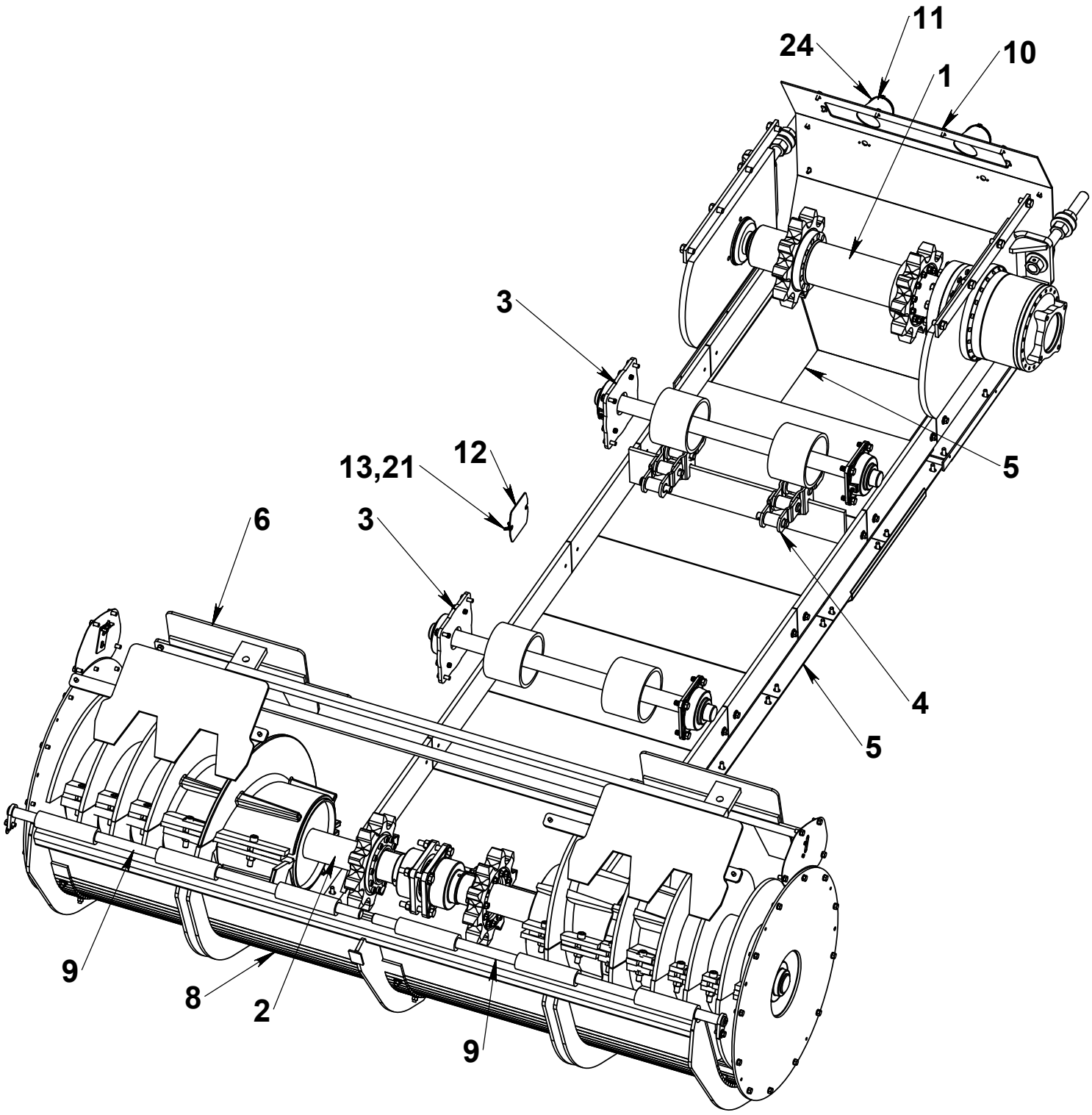
CASTER * SWIVEL W/CAST IRON WHEELS (132001-04)



ITEM #	PART #	DESCRIPTION	QTY
1	132001-04	CASTER * SWIVEL W/CAST IRON WHEELS	1

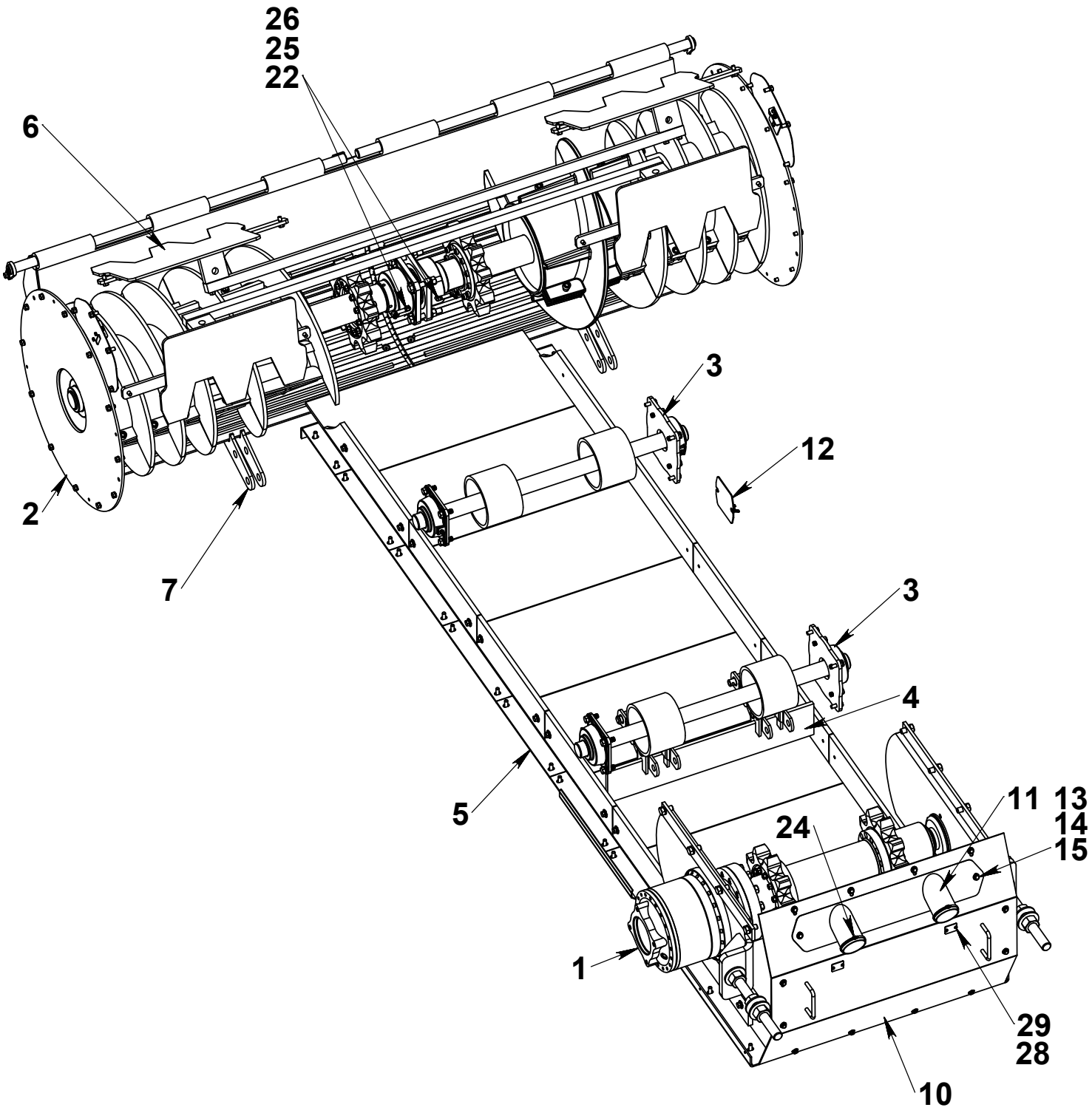
ASSEMBLY-C2 CONVEYOR SB-2500E T4 (234445-01)

NEXT PAGE



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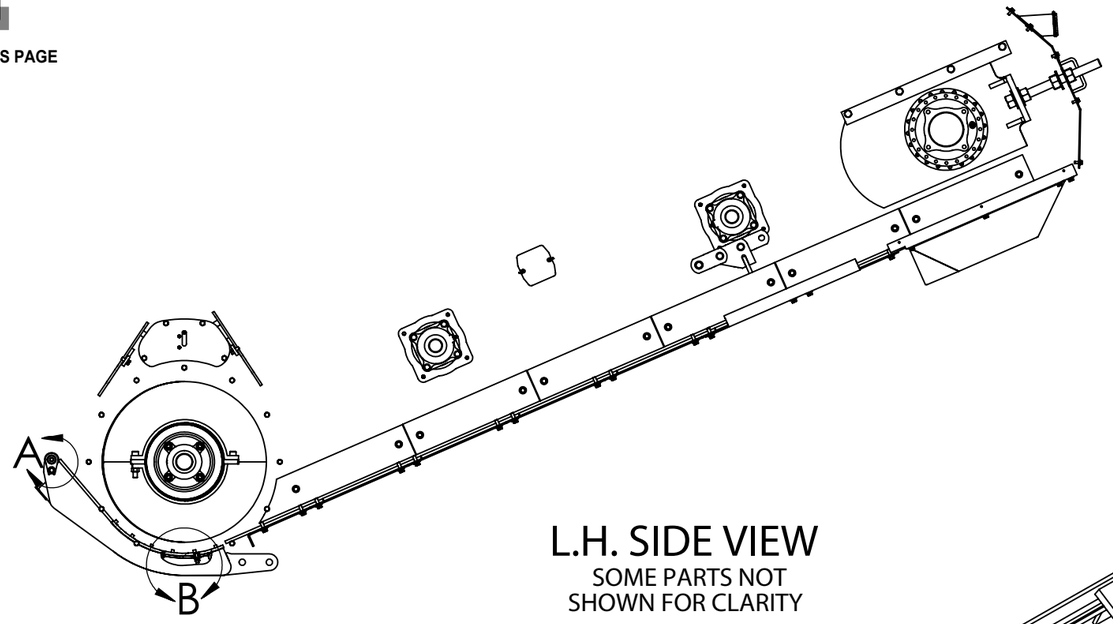
ASSEMBLY-C2 CONVEYOR SB-2500E T4 (234445-01)

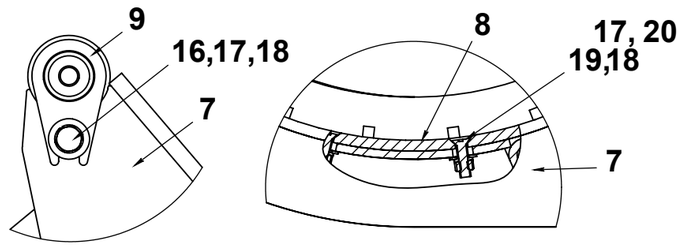


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PREVIOUS PAGE

ASSEMBLY- C2 CONVEYOR SB-2500e T4
(234445-01)

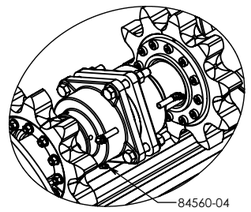




DETAIL A

DETAIL B

L.H. SIDE VIEW
SOME PARTS NOT
SHOWN FOR CLARITY



SB-2500E SN 2002

NOTE:
FITTINGS TYP. TO OPPOSITE SIDE.

NOTE:
AS THE CHAIN IS PULLED
ALONG THE WEAR PLATES,
THE WIDE END OF THE
CHAIN IS TO POINT
TOWARD THE SROCKET.

CROPPED TOP VIEW
SOME PARTS NOT
SHOWN FOR CLARITY
( )

NOTE:
REF. APPROPRIATE HOSE KIT FOR HOSE DETAILS.

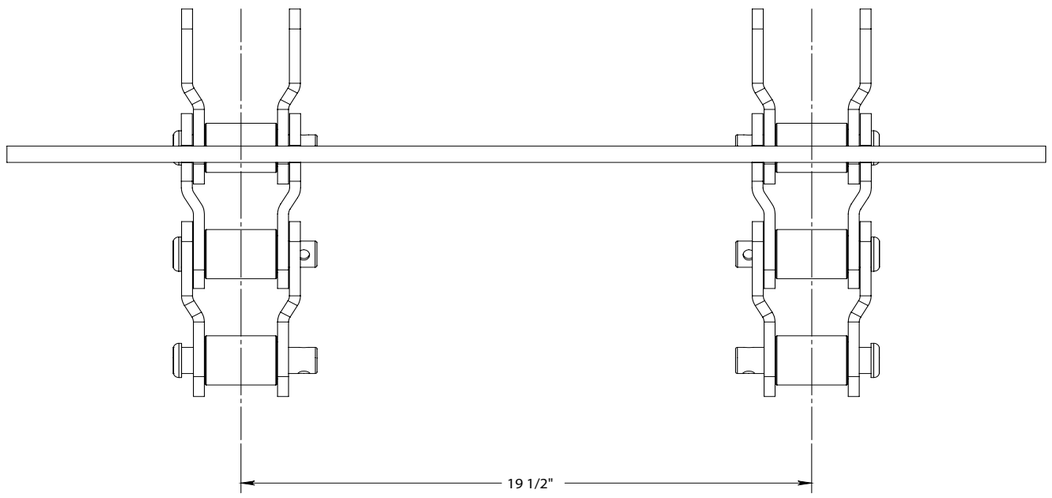
* GREASE LINES ARE SUPPLIED W/HOSE KIT

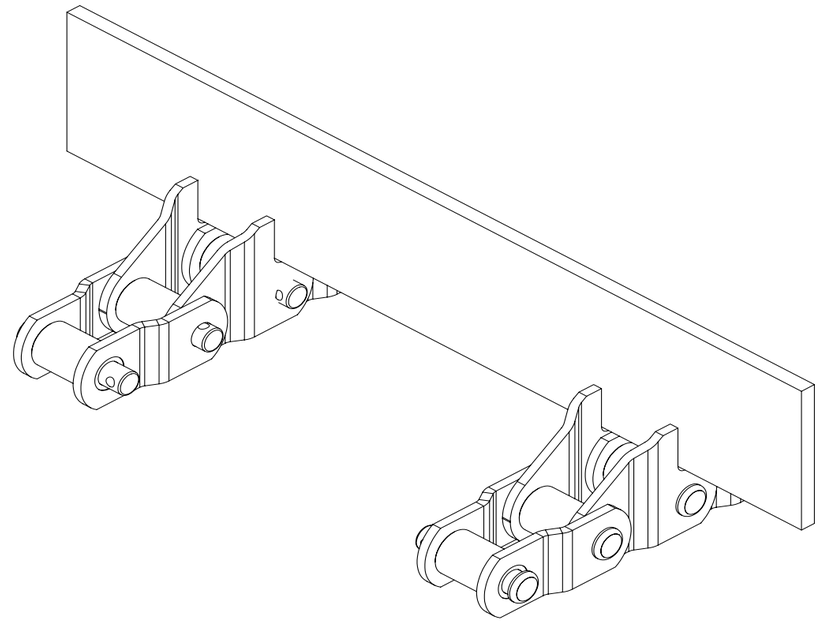
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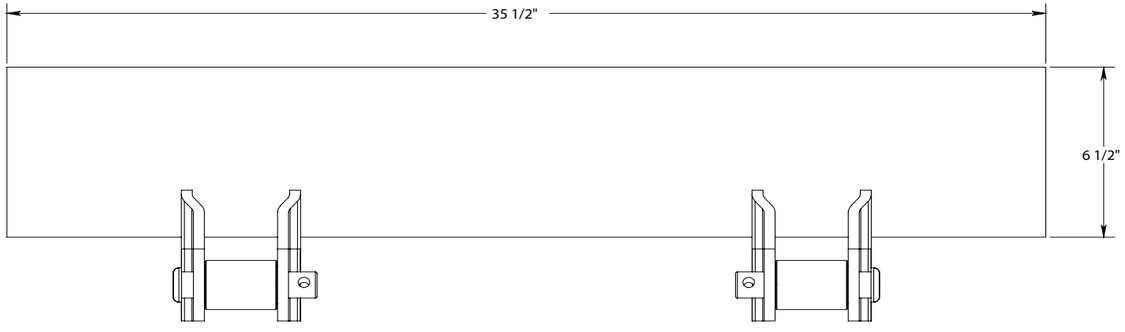
ASSEMBLY-C2 CONVEYOR SB-2500E T4 (234445-01)

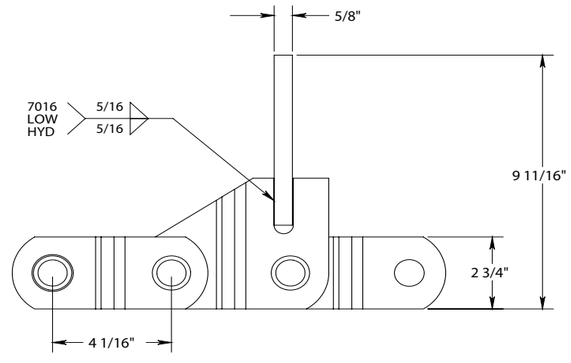
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235576-01	ASSEMBLY-C2 HEADSHAFT & TAKE-UP	1
2	235401-01	ASSEMBLY-C2 FOOTSHAFT & AUGER	1
3	235574-01	ASSEMBLY-C2 IDLERS	1
4	234064-01	CHAIN * C2 SB-2500E T4	1
5	235443-01	ASSEMBLY-C2 CLAD WEAR PLATES	1
6	235462-01	ASSEMBLY-FLOWGATE,SB-2500E T4	1
7	235188-01	WELDMENT-C2 HOPPER CLEANOUT DOOR	1
8	235189-01	WELDMENT-C2 HOPPER DOOR LINER	2
9	235799-03	WELDMENT-C2 CLEAN-OUT DOOR PIN	2
10	235775-02	WELDMENT-C2 CHAIN ACCESS DOOR	1
11	235800-01	WLDT-C2 WASHDOWN PANEL W/FUMEX	1
12	129384-03	DETAIL-C2 INSPECTION PLATE	1
13	83757	WASHER ~ FLAT 3/8 STEEL	16
14	83056	WASHER ~ LOCK 3/8 SPRING STEEL	14
15	84332	BOLT * HEX 3/8"-16 X 1"	14
16	86164	BOLT * HEX 1/2"-13 X 1 1/4"	2
17	83317	WASHER * LOCK 1/2" SPRING STEEL	14
18	83781-04	WASHER * FLAT 1/2" STEEL	14
19	29C18	BOLT , CSK 1/2"-13 X 1 3/4"	12
20	83288	NUT * 1/2"-13 HEX GRADE 8	12
21	129097	NUT * WING 3/8-16	2
22	23J52	FIT * ELBOW 1/8"NPTM X 1/8 NPTF 90	2
23	83742-04	FIT ~ CONNECTOR 4 JIC - 1/8" NPT M.	4
24	129000	CLAMPS * HOSE 4 1/2" IDEAL # 6464	2
25	86134	1/8 NPT NIPPLE	2
26	238086-04	FITTING * 4 JIC M X 2 NPT F 90 DEG	2
27	214951-03-C2	T HEAD COTTER FOR MXS1907 CHAIN	2
28	246973-03	DETAIL-WASHDOWN SPRAYER HOLE COVER	2
29	235104-04	SCREW #10 X 1/2" HEX SELF-DRILL	4

SB-2500E C-2 CHAIN ASSY.
(234064-01)

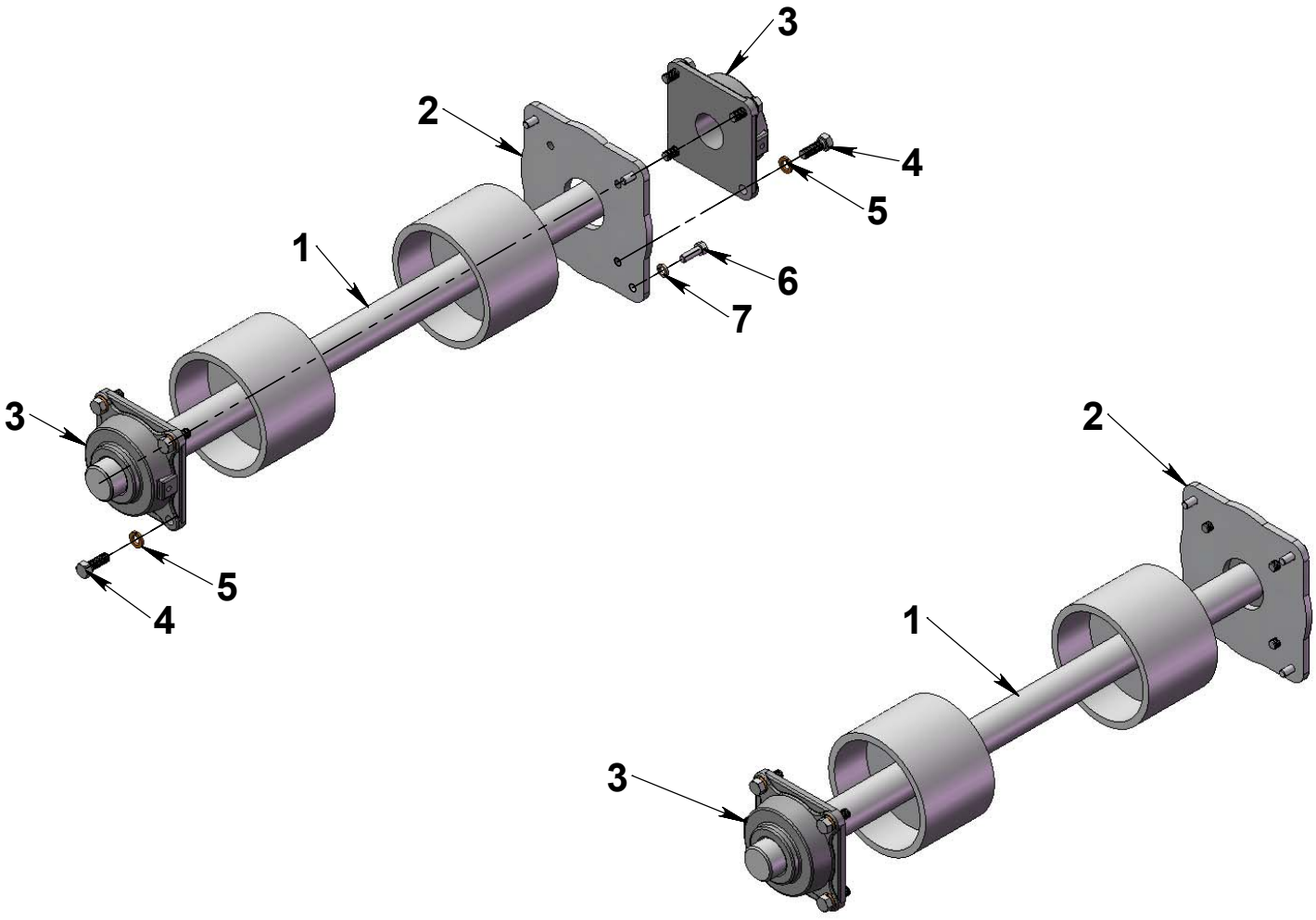






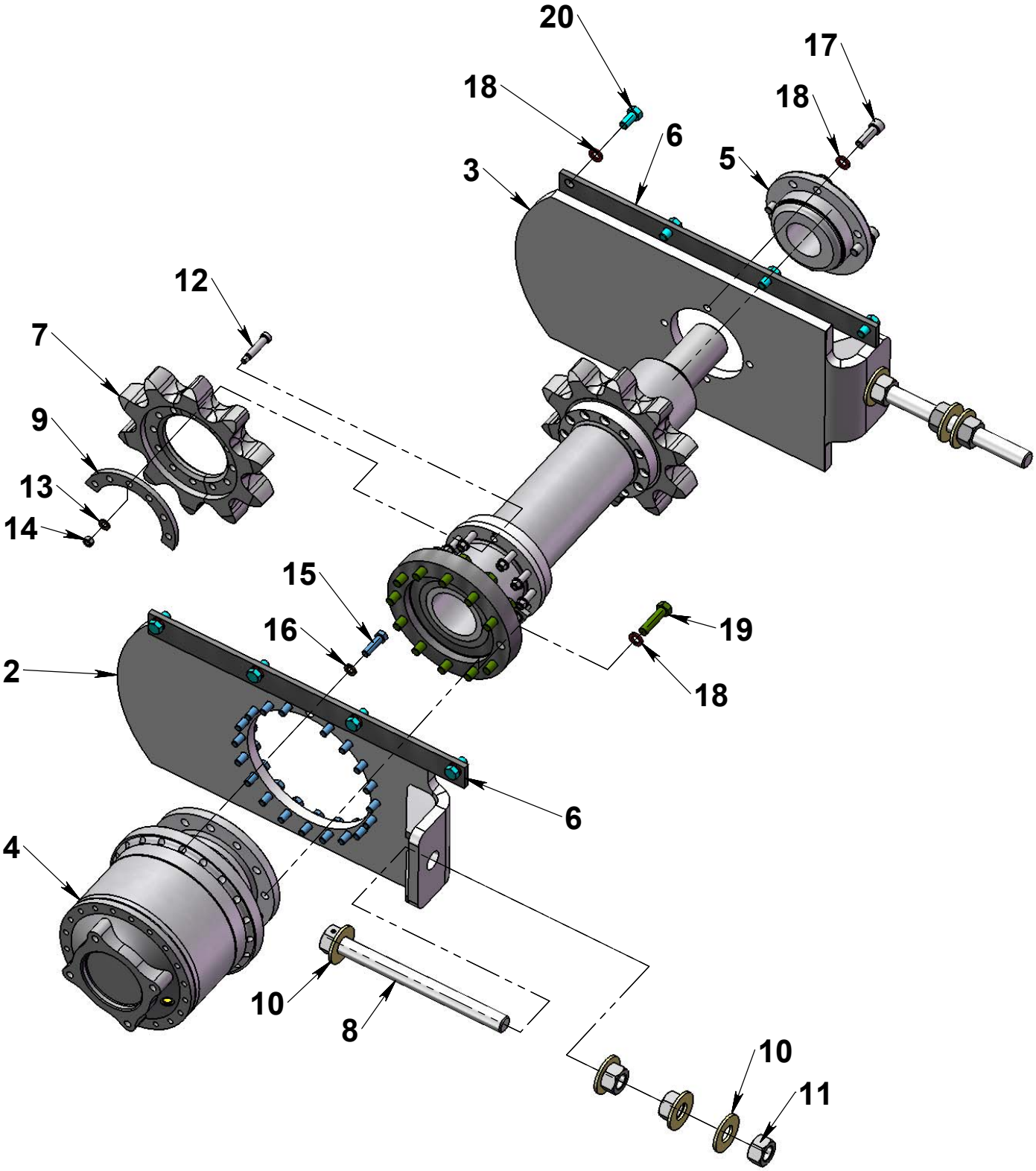


ASSEMBLY-C2 IDLERS
(235574-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	99363-01	WELDMENT-C2 IDLER SHAFT	2
2	99364-03	BEARING PLATE	2
3	88993-04	BEARING * 4 BOLT FLANGE	4
4	89143	BOLT * HEX 5/8"-11UNC X 1 3/4"	16
5	84717	WASHER * LOCK 5/8" SPRING STEEL	16
6	93144	BOLT * HEX 1/2"-13 X 1 1/2"	8
7	83317	WASHER * LOCK 1/2" SPRING STEEL	8

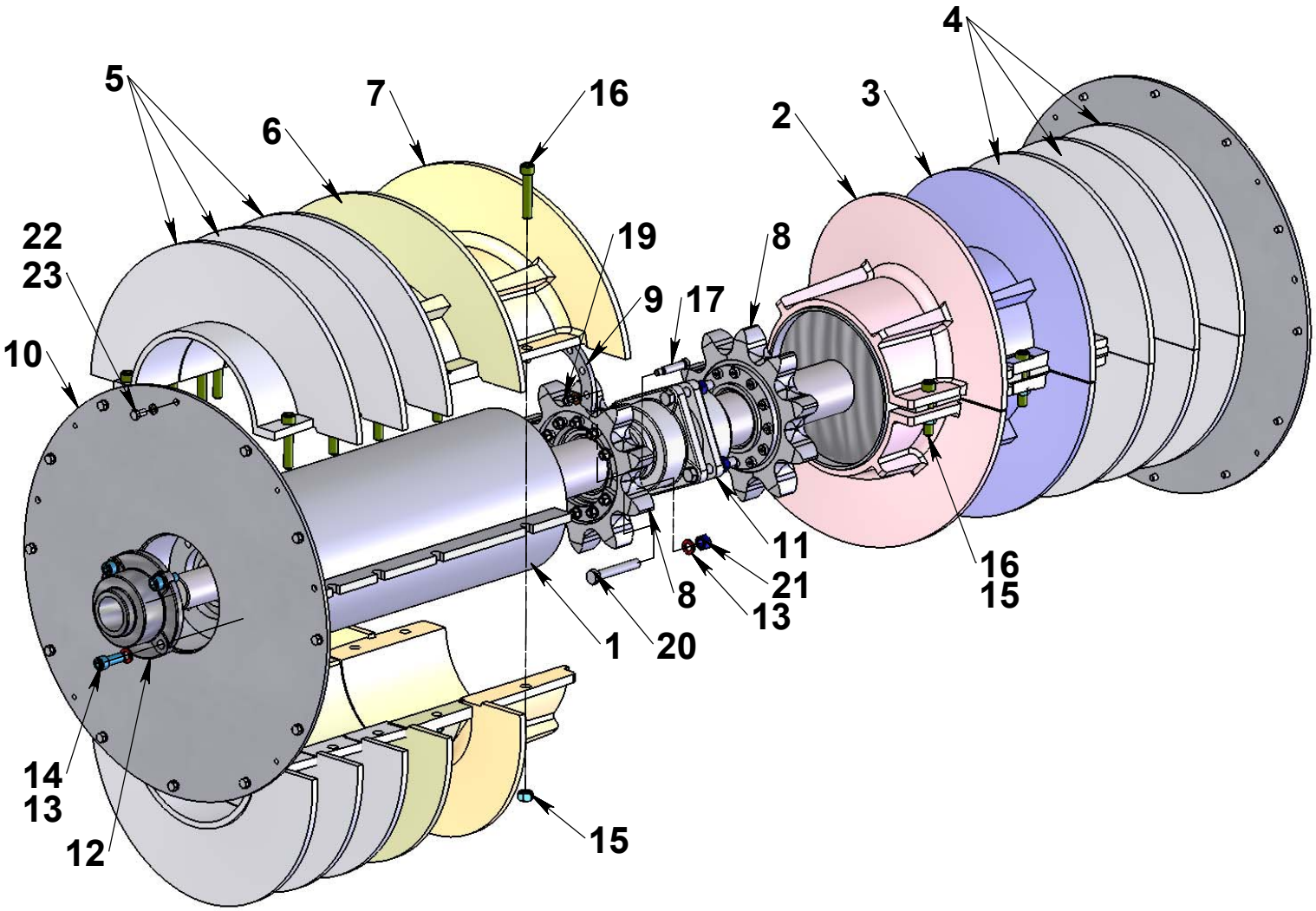
ASSEMBLY-C2 HEADSHAFT & TAKE-UP
(235576-01)



ASSEMBLY-C2 HEADSHAFT & TAKE-UP (235576-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235586-01	WELDMENT-C2 HEADSHAFT,SB-2500E T4	1
2	235584-01	WELDMENT-C2 TAKEUP PLATE,LH	1
3	235585-01	WELDMENT-C2 TAKEUP PLATE,RH	1
4	203739-01	TRANS * GEARBOX C2 DRIVE	1
5	97350-04	BEARING * FLANGE	1
6	215750-03	DETAIL-UPPER KEEPER BAR	2
7	222009-03	SPROCKET* 10 TEETH, 4 1/16 PITCH, MUD RELIEF	2
8	99060-04	ASSEMBLY - TAKE-UP SCREW	2
9	139665-04	SPROCKET COVER PLATE	4
10	83032	WASHER * FLAT 1 1/2" N SERIES	8
11	83031	NUT * 1 1/2"-6 HEX GRADE 8	6
12	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
13	10D63	WASHER ~ 1/2" HARD A325	24
14	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
15	93122	BOLT * HEX 5/8"-11 X 2 1/4"	20
16	84717	WASHER * LOCK 5/8" SPRING STEEL	20
17	204727-04	CAPSCREW * 3/4"-10 X 2 1/4 S.H.C.S.	4
18	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	24
19	122336	BOLT * HEX 3/4"-16 X 3" GD.8	12
20	95932	BOLT * HEX 3/4"-10 X 1 1/2"	8

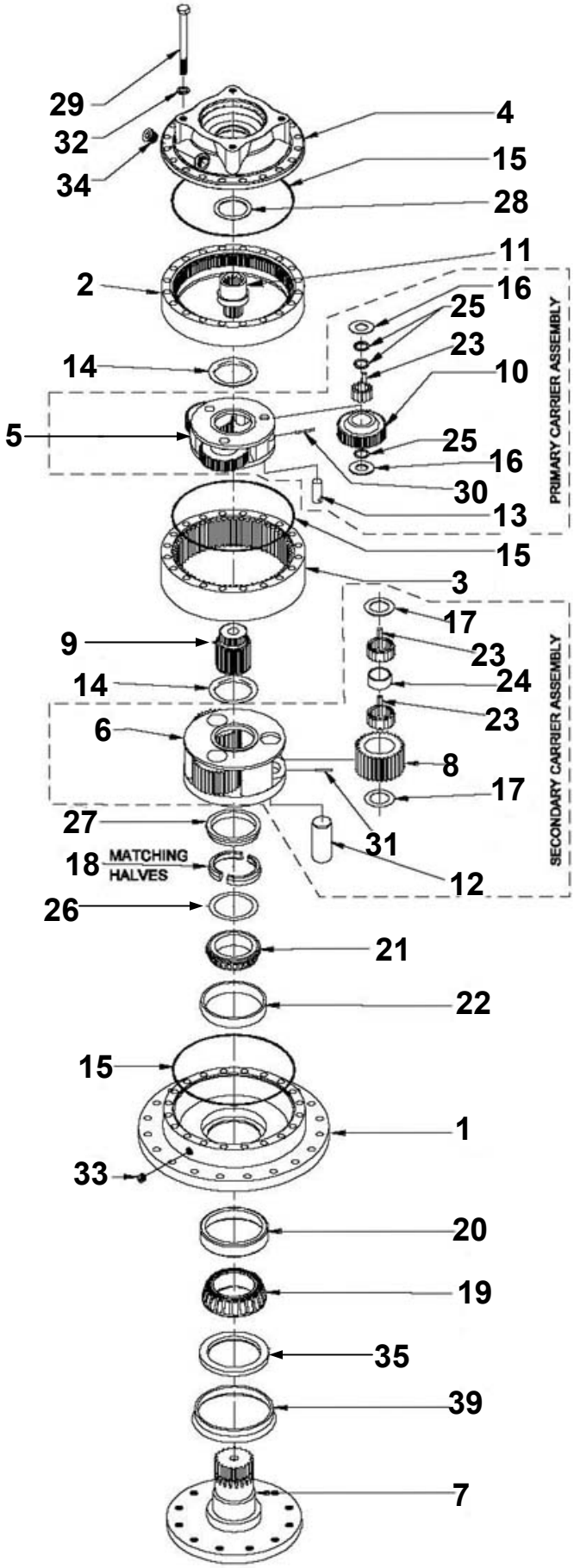
ASSEMBLY-C2 FOOTSHAFT & AUGER
(235401-01)



ASSEMBLY-C2 FOOTSHAFT & AUGER (235401-01)

ITEM #	PART #	DESCRIPTION	QTY
1	235448-01	WELDMENT-C2 AUGER SHAFT	2
2	95998A	FLIGHT * AB 12 1/2"L.H. PITCH (R.S)	2
3	96004A	FLIGHT * BB 8 3/4" L.H.PITCH (R.S)	2
4	96006A	FLIGHT * CB 5 3/8"L.H. PITCH (R.S)	6
5	96005-01A	FLIGHT * CA 5 3/8" R.H PITCH (L.S)	6
6	96003-01A	FLIGHT * BA 8 3/4" R.H.PITCH (L.S.)	2
7	95997-01A	FLIGHT * AA 12 1/2"R.H. PITCH (L.S)	2
8	222009-03	SPROCKET* 10 TEETH, 4 1/16 PITCH, MUD RELIEF	2
9	139665-04	SPROCKET COVER PLATE	4
10	120988-01	WELDMENT ~ C-2 BEARING RETAINER	2
11	29M97	BEARING * 3 1/2" PILOTED	2
12	29M98	BEARING, FLANGED 3" 4-BOLT	2
13	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	12
14	93212	SCREW * 3/4"-10 X 2" SOC.HD.	8
15	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	30
16	95834	SCREW * 3/4"-10 X 4" SOC.HD.	30
17	138651-04	BOLT * 5/8 X 2 1/2 SHOULDER	24
18	10D63	WASHER ~ 1/2" HARD A325	24
19	139741-04	NUT * 1/2-13 CENTER LOCK GRADE 8	24
20	10084	BOLT * HEX 3/4"-10 X 5"LG.	4
21	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	4
22	83317	WASHER * LOCK 1/2" SPRING STEEL	24
23	83754	BOLT * HEX 1/2"-13 X 1"	24

C-2 DRIVE GEARBOX
(203739-01)



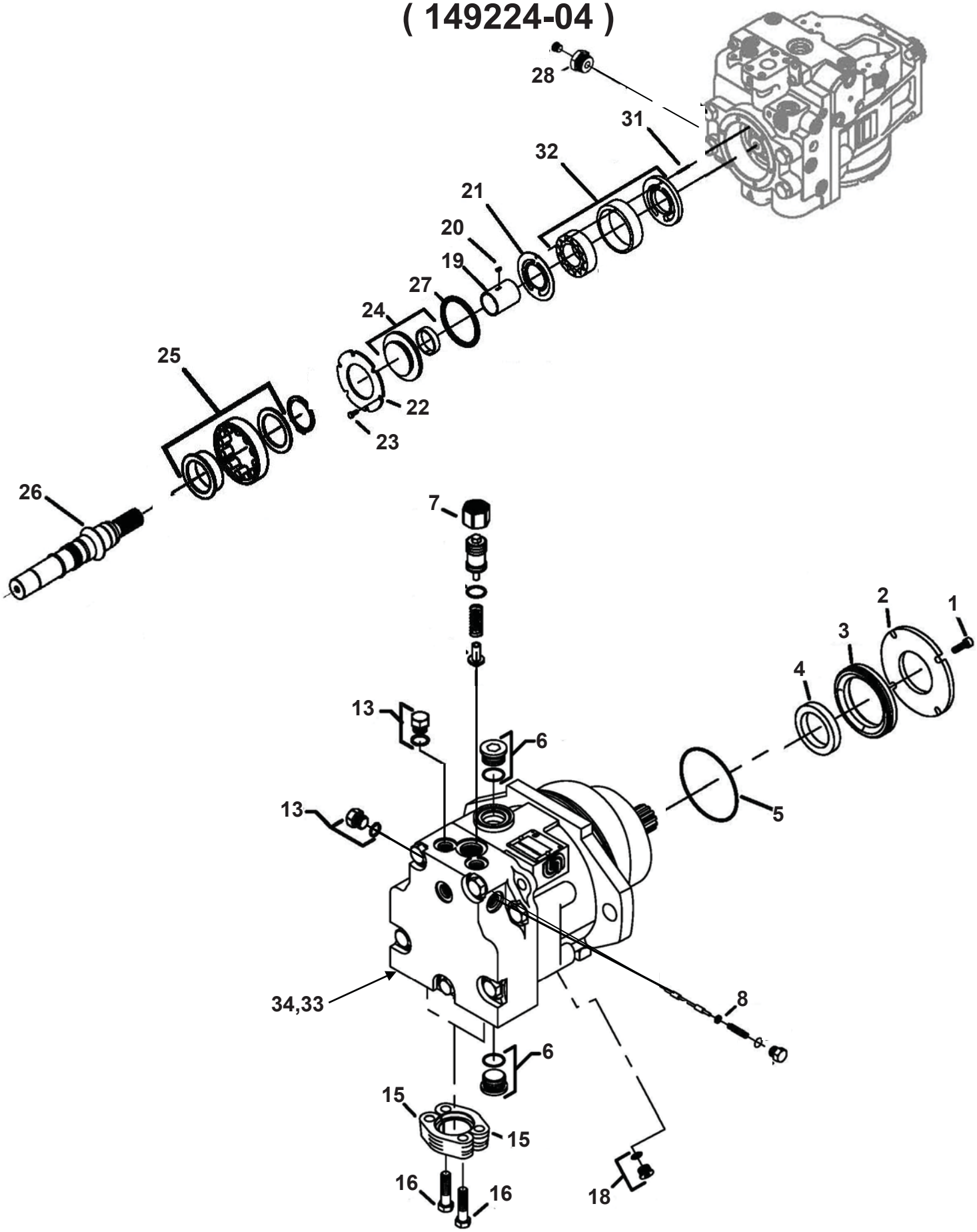
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C-2 DRIVE GEARBOX
(203739-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	141780-01-C14	BASE	1
2	141780-01-C15	RING GEAR - PRIMARY	1
3	141780-01-C16	RING GEAR - SECONDARY	1
4	141780-01-C17	COVER	1
5	203739-01-C7	CARRIER - PRIMARY	1
6	203739-01-C8	CARRIER - SECONDARY	1
7	141780-01-C19	OUTPUT SHAFT	1
8	203739-01-C2	PLANET GEAR - SECONDARY	3
9	141780-01-C21	SUN GEAR - SECONDARY	1
10	203739-01-04	PLANET GEAR - PRIMARY	3
11	141780-01-C5	INPUT GEAR	1
12	203739-01-C6	PLANET SHAFT - SECONDARY	3
13	203739-01-C9	PLANET SHAFT - PRIMARY	3
14	141780-01-C2	THRUST WASHER - CARRIER	2
15	137209-04-C1	SEAL (O-RING)	3
16	203739-01-C10	THRUST WASHER - PRIMARY PLANET	6
17	203739-01-C5	THRUST WASHER - SECONDARY PLANET	6
18	141780-01-C31	SPLIT RING - (MATCHING HALVES) LOAD - N - LOCK	1
19	137209-04-C6	BEARING CONE - OUTER	1
20	137209-04-C7	BEARING CUP - OUTER	1
21	137209-04-C8	BEARING CONE - INNER	1
22	137209-04-C9	BEARING CUP - INNER	1
23	203739-01-C11	BEARING - SEC. PLANET GEAR	3
24	203739-01-C3	BEARING - SEC. PLANET GEAR	3
25	203739-01-C12	BEARING - PRI. PLANET GEAR	3
26	141780-01-C4	SHIM - SHAFT ADJUSTMENT	
27	141780-01-C25	LOCK RING - LOAD - N - LOCK	1
28	141780-01-C1	THRUST RACE (TRD-4052)	1
29	141780-01-C26	HEX HEAD CAPSCREW (5/8-11 X 7) GR8	20
30	141780-01-C27	ROLL PIN (3/16 X 1)	3
31	141780-01-C28	ROLL PIN (3/16 X 1 1/4)	3
32	141780-01-C29	LOCK WASHER - (5/8)	20
33	137208-04-C33	PIPE PLUG (1/2 NPT MAGNETIC) - BASE	1
34	141780-01-C30	PLUG - COVER	1
35	203739-01-C1	SHAFT SEAL	1
36			
37			
38			
39	137209-04-C3	SEAL - RUBBER / FACE 120/250 SPINDLE	1
40			
41			
42			
43			
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45			

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C-2 DRIVE MOTOR
(149224-04)



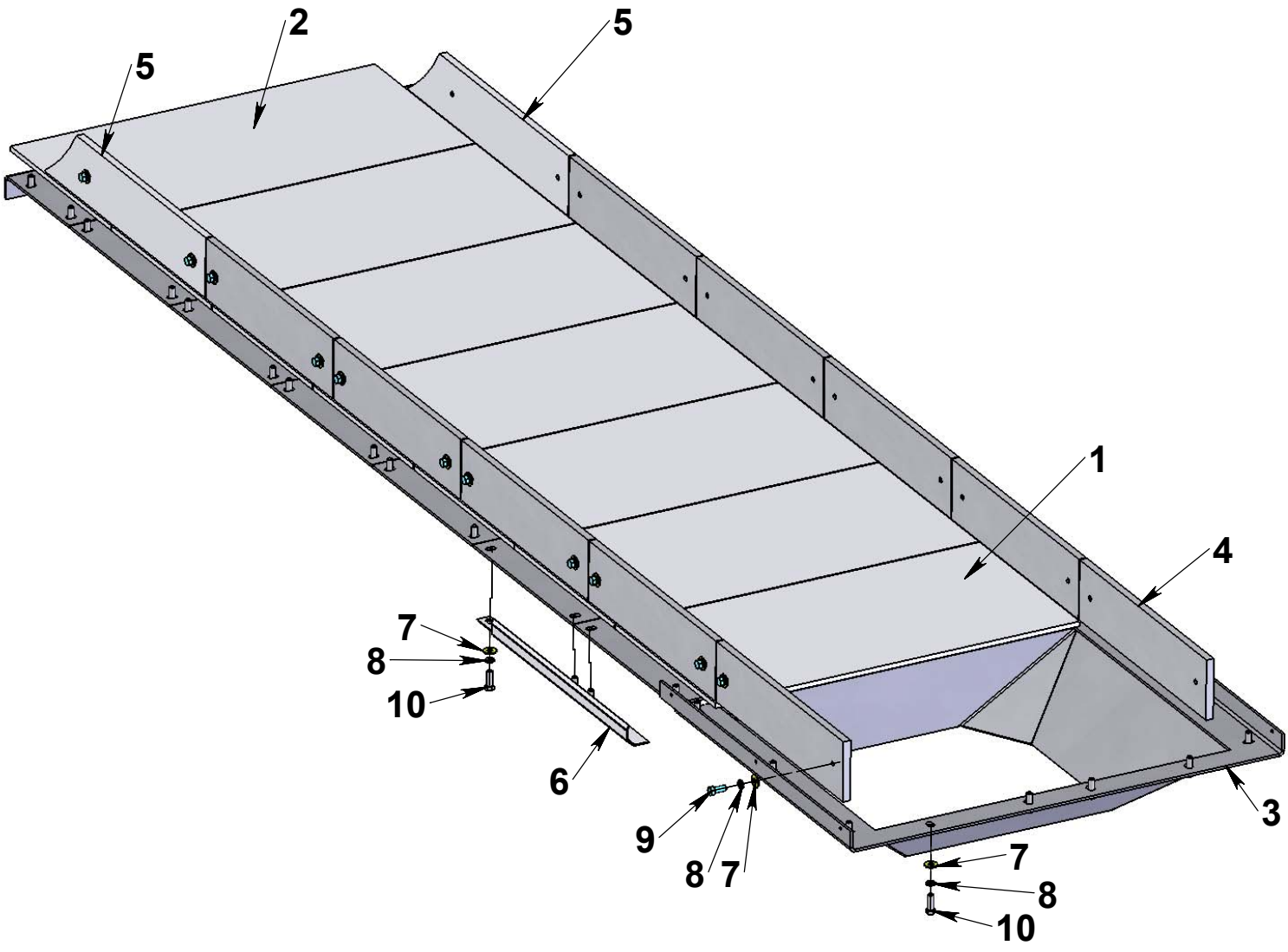
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C-2 DRIVE MOTOR
(149224-04)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	91681-04-C5	SCREW - SOC. HD.	3
2	91681-04-C10	RETAINER PLATE	1
3	91681-04-C11	CARRIER - SEAL	1
4	91681-04-C3	LIP SEAL	1
5	91681-04-C4	O-RING	1
6	91681-04-C12	PLUG W/ O-RING	2
7	91681-04-C13	CHARGE RELIEF VALVE	1
8	149224-04-C5	FLUSHING VALVE	1
9	91681-04-C14	SHUTTLE VALVE SPOOL	1
10		SPRING	1
11	91681-04-C15	SPRING GUIDE	1
12		O-RING	1
13	91681-04-C16	PLUG W/ O-RING	2
14			
15		SPLIT FLANGE	3
16	91681-04-C17	SCREW	12
17			
18	91681-04-C19	PLUG W/ O-RING	3
19		CHARGE PUMP SHAFT	1
20		KEY	1
21	91681-04-C20	SPRING - GUIDE	1
22		RETAINING PLATE	1
23	91681-04-C5	SCREW	6
24		COVER ASSY.	1
25	91681-04-C9	JOURNAL BEARING ASSY.	1
26	91681-04-C7	SHAFT	1
27	91681-04-C4	O-RING	1
28		PLUG	1
29		REDUCER FITTING	1
30		PLUG W/ O-RING	
31		ALIGNMENT PIN	1
32		KIT - CHARGE PUMP	1
33	91681-04-C1	GASKET - END PLATE	1
34	91681-04-C2	END PLATE	
35			

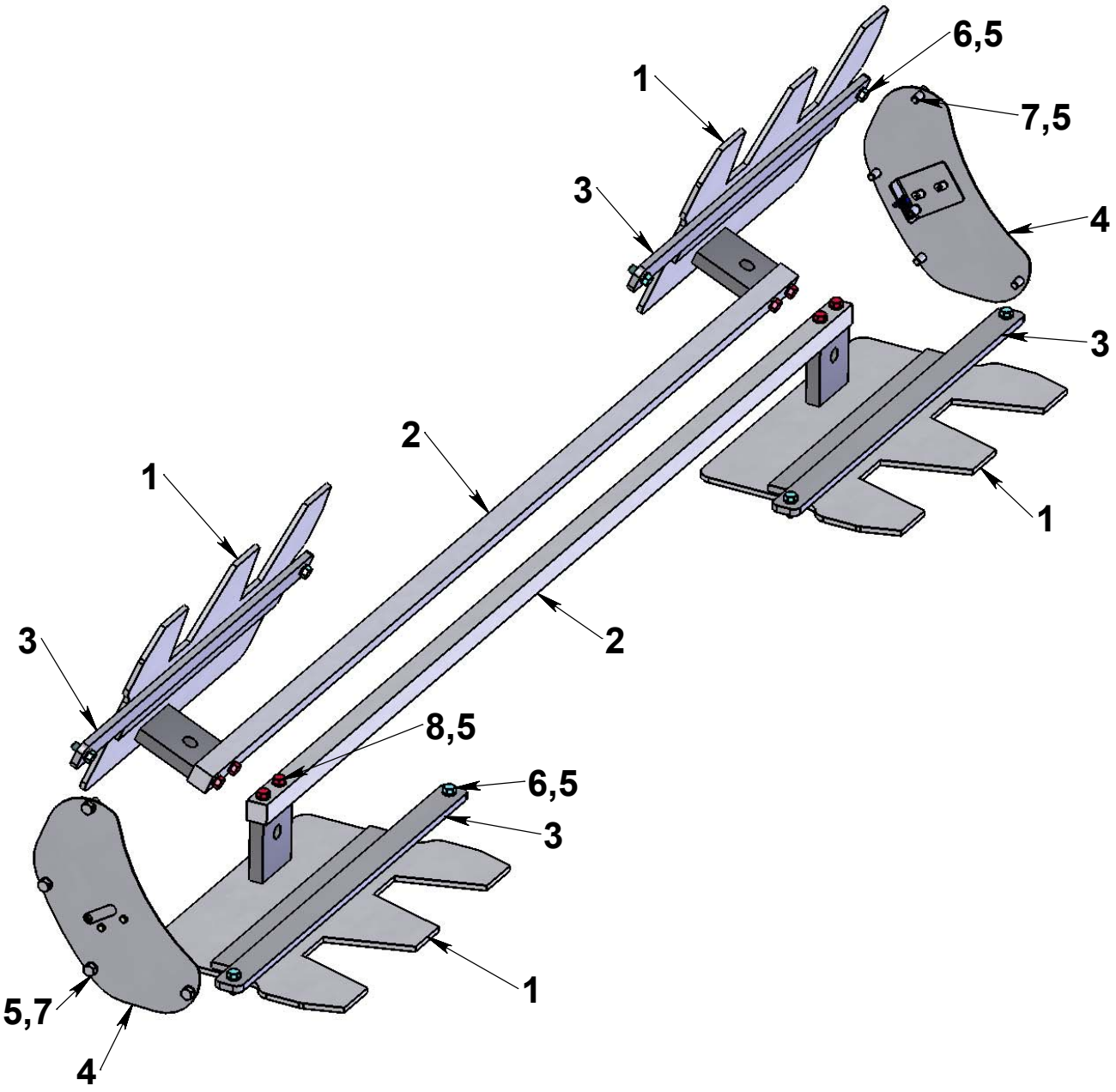
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ASSEMBLY-C2 CLAD WEAR PLATES
(235443-01)



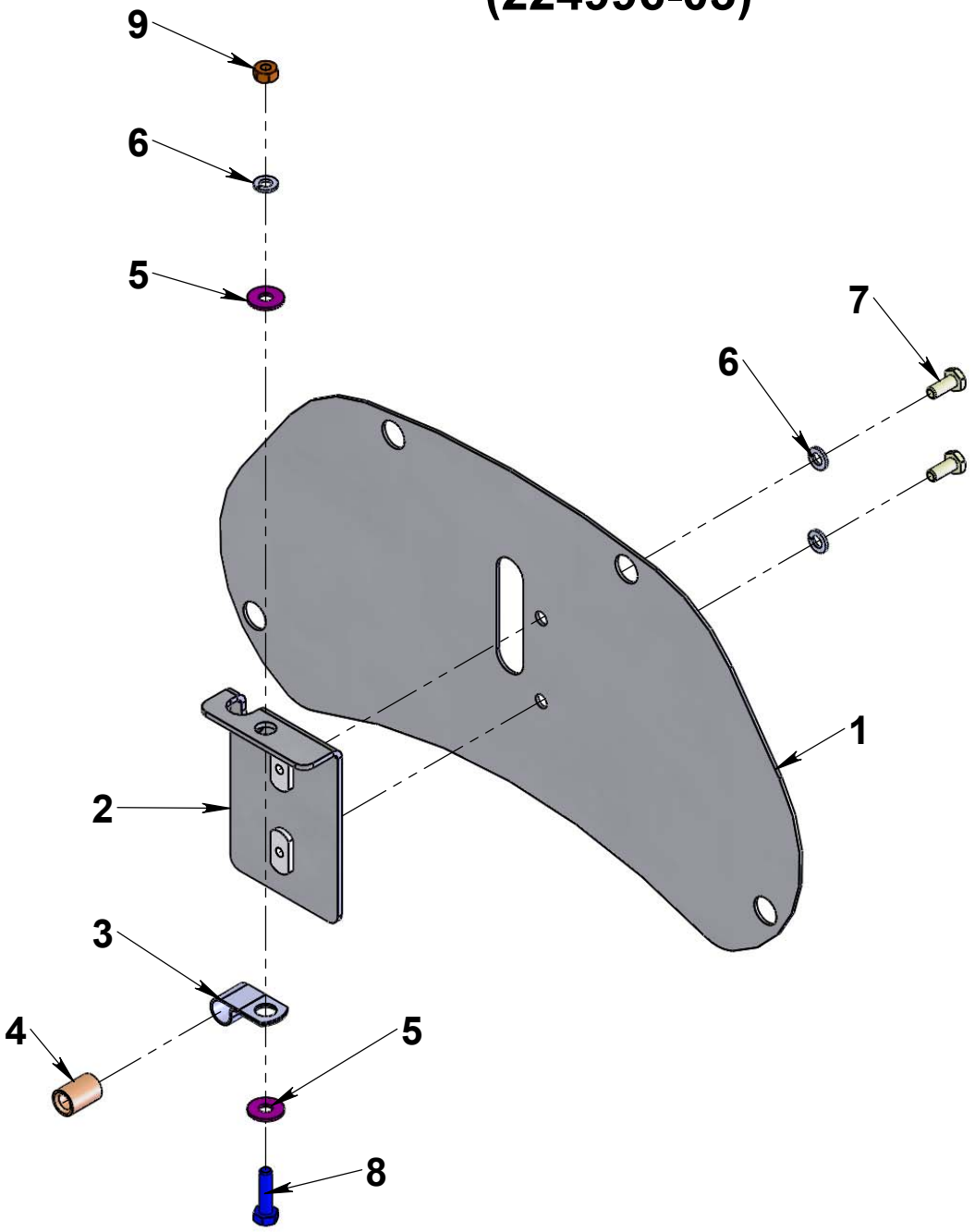
ITEM #	PART #	DESCRIPTION	QTY
1	235445-01	WELDMENT-C2 WEAR PLATE	6
2	235444-01	WELDMENT-C2 FIRST WEAR PLATE	1
3	213515-01	C-2 DISCARGE CHUTE WELDMENT	1
4	149877-03	SIDE LINER FOR C-1/C-2	10
5	236386-03	DETAIL-C2 SIDE PLATE	2
6	235555-03	DETAIL-HOSE PROTECTOR PLATE-2500E	1
7	83781-04	WASHER * FLAT 1/2" STEEL	62
8	83317	WASHER * LOCK 1/2" SPRING STEEL	62
9	86164	BOLT * HEX 1/2"-13 X 1 1/4"	24
10	93144	BOLT * HEX 1/2"-13 X 1 1/2"	38

ASSEMBLY-FLOWGATE,SB-2500E T4
(235462-01)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235463-01	LEFT REAR FLOWGATE WELDMENT	4
2	235464-03	DETAIL-FLOWGATE TIE BAR,SB-2500E T4	2
3	200145-03	DETAIL-FLOWGATE RETAINER-2500C	4
4	224996-03	ASSY-FLOWGATE ACCESS COVER	2
5	83317	WASHER * LOCK 1/2" SPRING STEEL	24
6	86164	BOLT * HEX 1/2"-13 X 1 1/4"	8
7	83754	BOLT * HEX 1/2"-13 X 1"	8
8	93121	BOLT * HEX 1/2"-13 X 2 1/2"	8

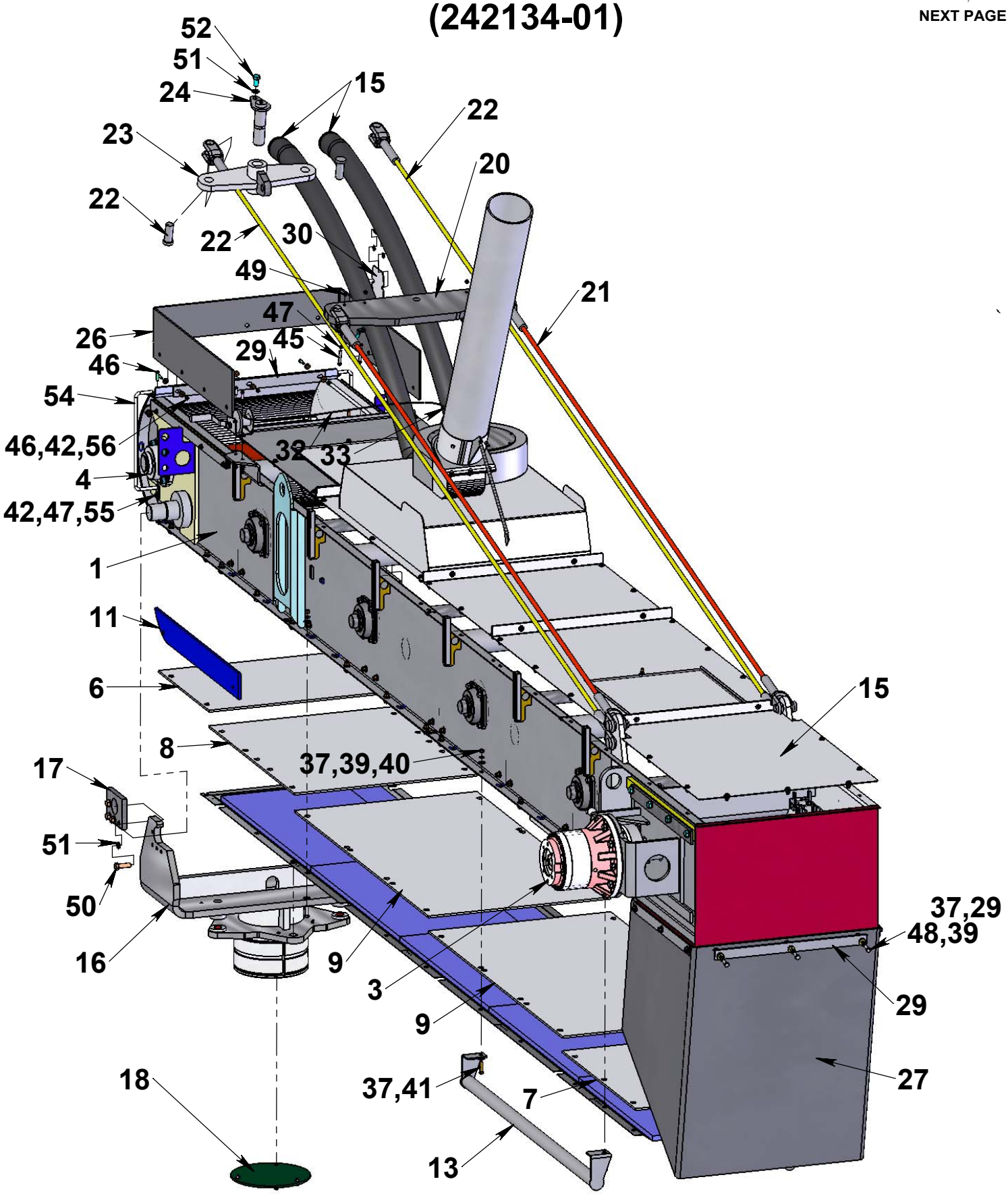
ASSY-FLOWGATE ACCESS COVER (224996-03)



ITEM #	PART #	DESCRIPTION	QTY
1	224999-03	DETAIL-FLOWGATE ACCESS COVER	1
2	225000-03	DETAIL - GREASE LINE BRACKET	1
3	130771	CLAMP *1/2" CUSHION-TUBE(3/8"BOLT)	1
4	92792	COUPLING * PIPE 1/8" NPT	1
5	84444	WASHER * FLAT 1/4" STEEL	2
6	83065	WASHER ~ LOCK 1/4" SPRING STEEL	3
7	86143-04	BOLT * HEX 1/4"-20 X 5/8"	2
8	89773	BOLT * HEX 1/4"-20 X 1"	1
9	89772	NUT * 1/4"-20 HEX GRADE 8	1

ASSEMBLY-C3 CONVEYOR SB-2500E (242134-01)

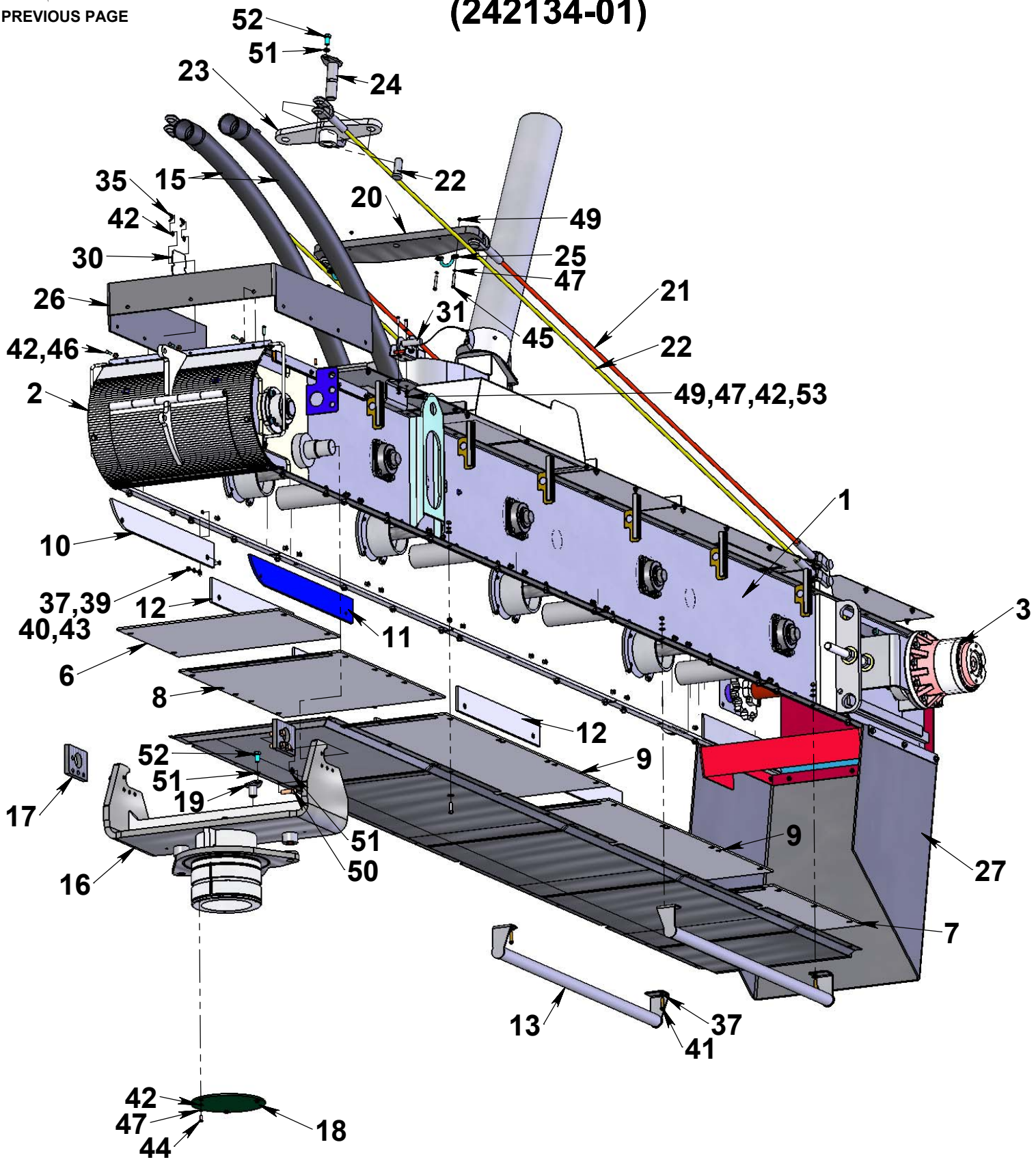
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ASSEMBLY-C3 CONVEYOR SB-2500E (242134-01)



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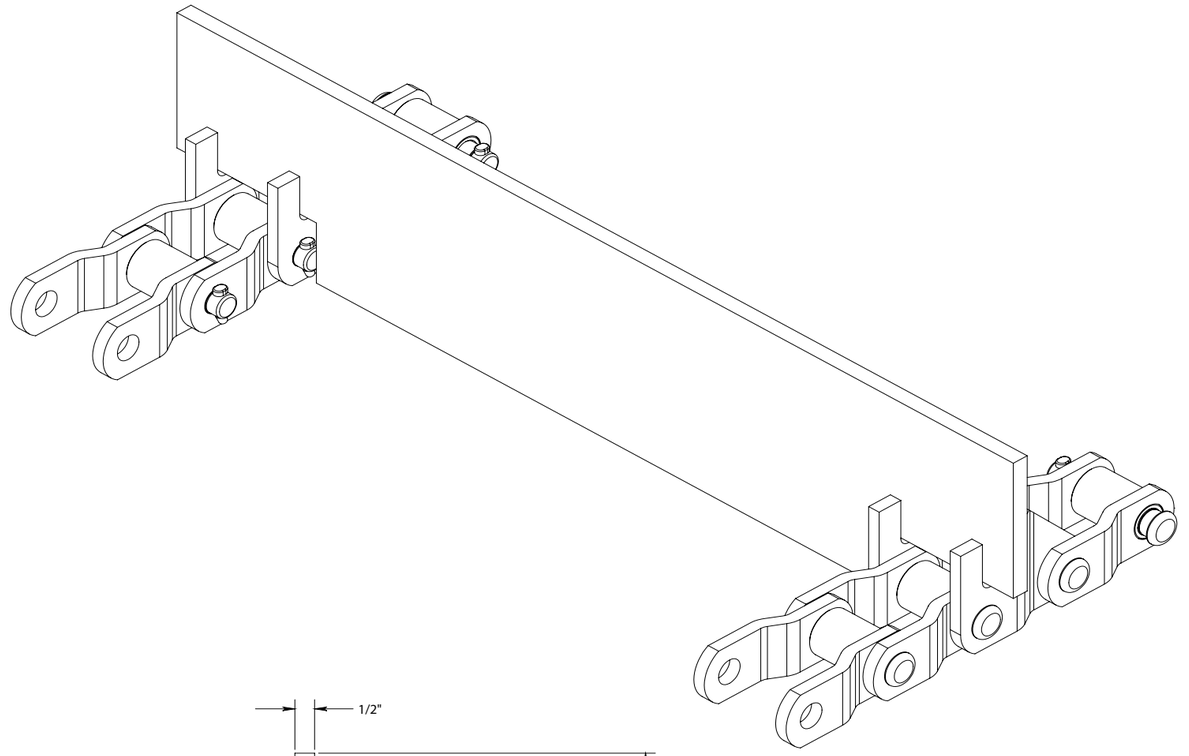
ASSEMBLY-C3 CONVEYOR SB-2500E (242134-01)

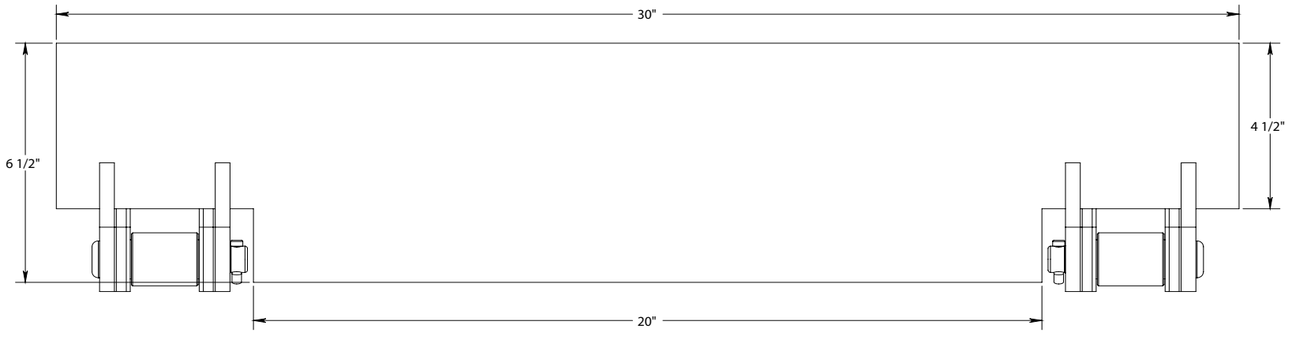
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	242135-01	WELDMENT-C3 CONVEYOR	1
2	243325-01	ASSEMBLY-C3 CLEANOUT DOOR	1
3	234460-01	ASSEMBLY-C3 HEAD SHAFT & TAKE-UP	1
4	234462-01	ASSEMBLY-C3 FOOT SHAFT	1
5	234452-01	ASSEMBLY-C3 IDLER	4
6	234455-03	DETAIL-C3 BOTTOM LINER CLAD (27")	1
7	234456-03	WELDMENT-C3 BOTTOM LINER CLAD (39")	1
8	234457-03	WELDMENT-C3 BOTTOM LINER CLAD (46")	1
9	234458-03	WELDMENT-BOTTOM LINER (72") CLAD	2
10	148642-03R	FORMED RIGHT C3 FRONT SIDE LINER	1
11	148642-03L	FORMED LH C3 FRONT SIDE LINER	1
12	148644-03	C-3 SIDE LINER	12
13	234451-01	ASSY-INSULATION PANEL & TRUCK RAIL	1
14	234065-01	CHAIN * C3 SB-2500E T4	1
15	234450-01	ASSEMBLY-C3 TOP COVER	1
16	222745-01	WELDMENT-C3 PIVOT YOKE-SB-2500C	1
17	121890-02	C3 LOCK-IN PLATE	2
18	201178-03	DETAIL-COVER PLATE	1
19	122102-03	WLDT-CONVEYOR SHIPPING PIN	1
20	204755-03	SPREADER BAR BLANK	1
21	213523-04	CABLE - C3 LIFT 155-3/4" LONG	2
22	204779-04	CABLE - C3 SERVICE CABLE x 226"	2
23	200188-03	WELDMENT-C3 LIFT CYLINDER LINK	1
24	200527-03	WELDMENT-C3 CONVEYOR LINK PIN	1
25	90087-04	CHAIN * LOOP/1.75" OPENING DEPTH	2
26	125193-01	C3 CONVEYOR FLASHING RUBBER	1
27	218472-01	RUBBER FLASHING FOR C3 DISCHARGE	1
28	122124-04	DETAIL-SIDE CLAMP	2
29	218473-04	DETAIL-CLAMP BAR	4
30	129384-03	DETAIL-C2 INSPECTION PLATE	1
31	142469-04	WINCH *600# 3.1:1 RATIO	1
32	234443-01-1	CABLE - 1/8" AIRCRAFT x 90" LG	1
33	142600-04	CLAMP * 1/8" ROPE CRIMP	2
34	90565	GREASE FITTINGS - 1/4 NPT. ST	1
35	129097	NUT * WING 3/8-16	2
36	131017	GREASE FITTING * 1/4-28 45 DEGREE	2
37	83781-04	WASHER * FLAT 1/2" STEEL	115
38	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	36
39	83317	WASHER * LOCK 1/2" SPRING STEEL	77
40	83288	NUT * 1/2"-13 HEX GRADE 8	68
41	84674	BOLT ~ HEX 1/2"-13 x 2"	4
42	83757	WASHER ~ FLAT 3/8 STEEL	21
43	26C72	BOLT ~ CSK 1/2-13 x 1 1/2	28
44	84332	BOLT * HEX 3/8"-16 X 1"	3
45	00883	BOLT * HEX 3/8-16 UNC X 2 3/4"	4
46	83924	BOLT * HEX 3/8"-16 X 1 1/2"	8
47	83056	WASHER ~ LOCK 3/8 SPRING STEEL	19
48	93144	BOLT * HEX 1/2"-13 X 1 1/2"	9
49	83055	NUT * 3/8-16 HEX GRADE 8	6
50	96476	BOLT * HEX 3/8"-16 X 1 1/4"	5
51	93723	BOLT ~ HEX 3/4"-10 x 2 1/2"	8
52	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	10
53	95932	BOLT * HEX 3/4"-10 X 1 1/2"	2
54	242137-03	WLDT-C3 HYDRAULIC HOSE SPACER	2
55	86127-04	BOLT * HEX 3/8"-16 X 3/4"	2
56	138885-03-C2	KIT * KEEPER PIN 1 1/4" LONG	2

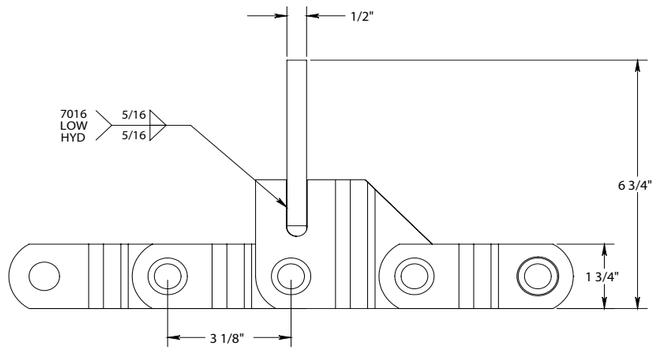
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SB-2500E C-3 CHAIN ASSY.
(234065-01)



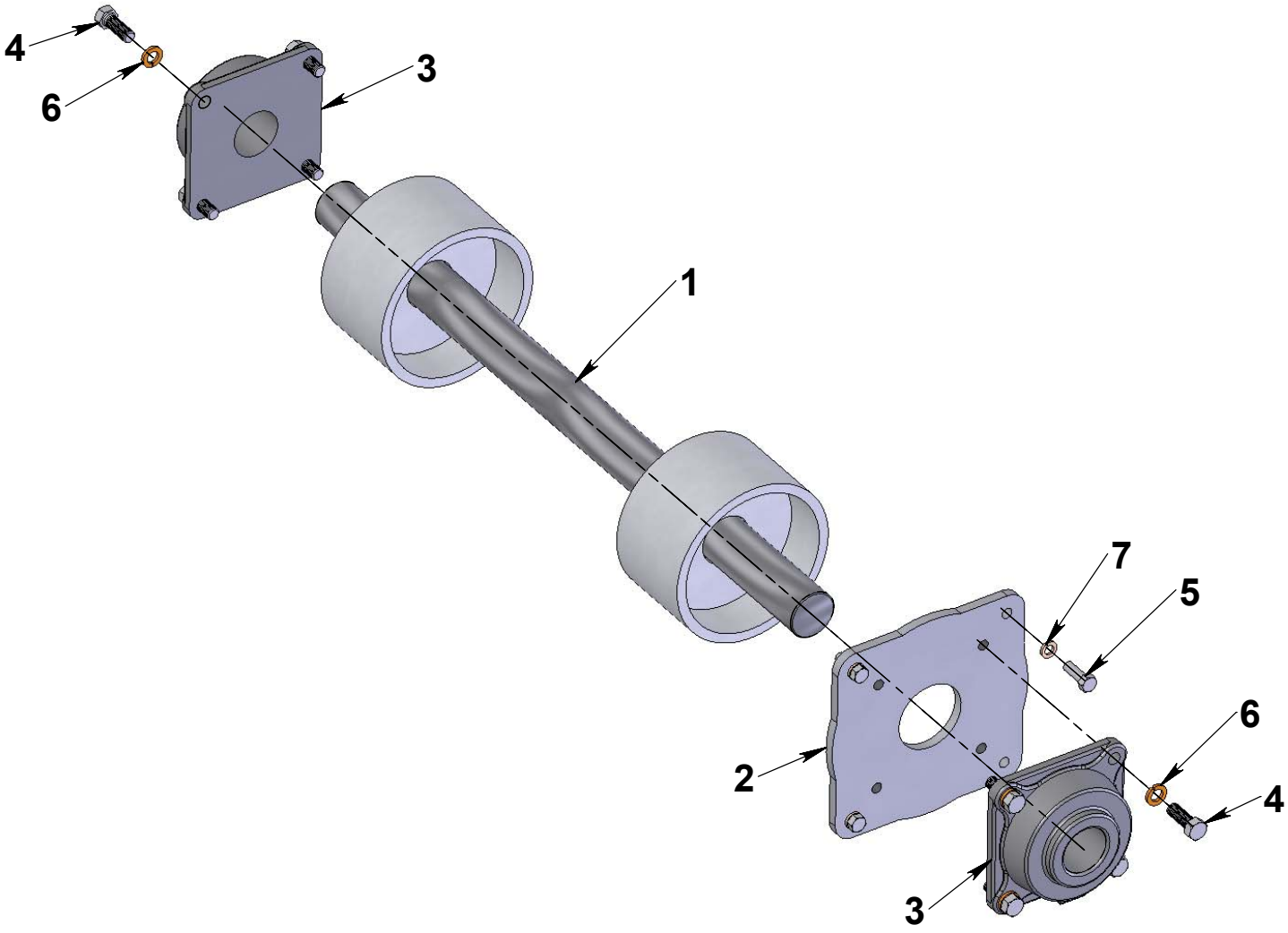






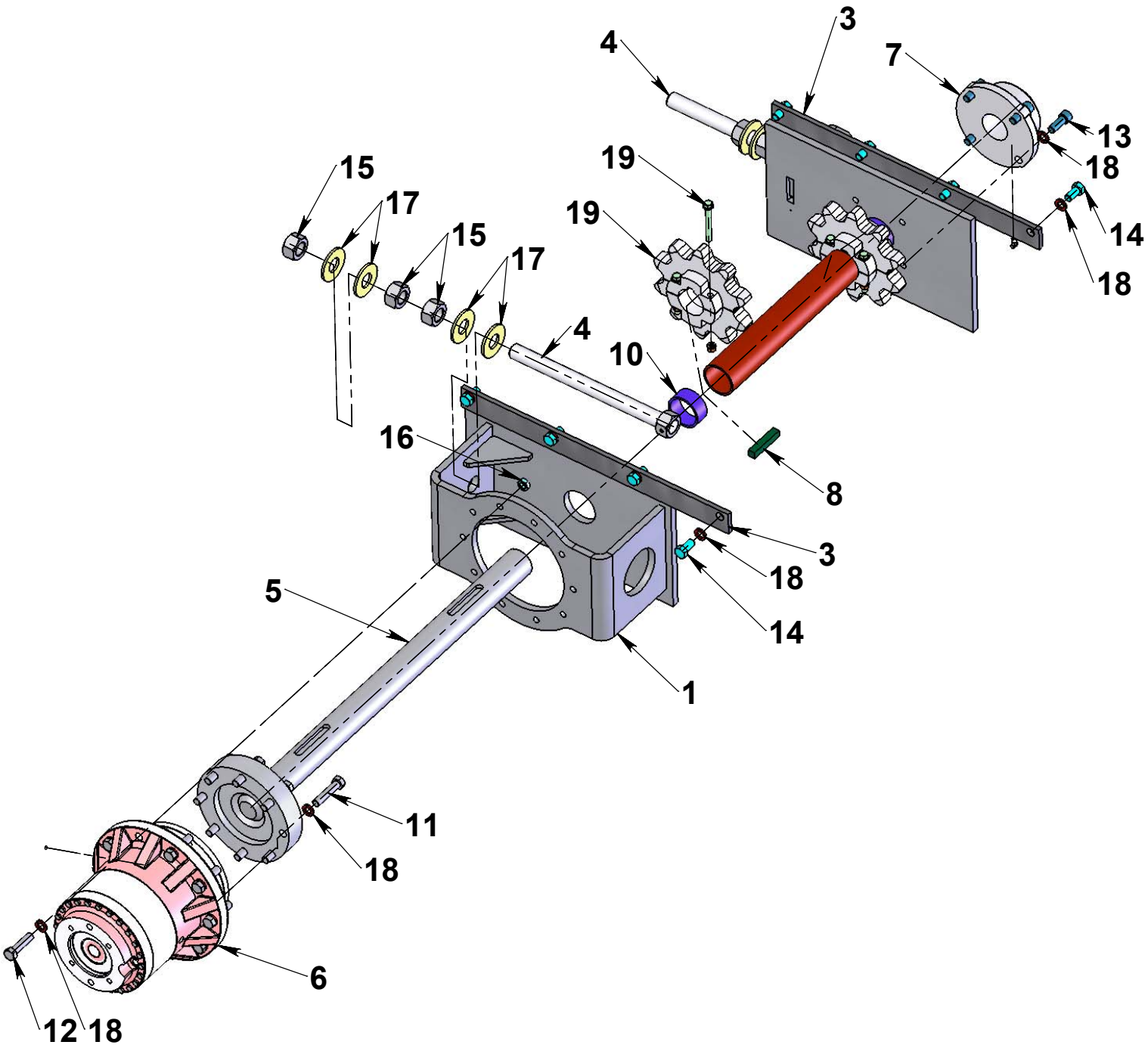
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ASSEMBLY-C3 IDLER
(234452-01)



ITEM #	PART #	DESCRIPTION	QTY
1	146687-01	WELDMENT-C3 IDLER-SB-1500B	1
2	99364-03	BEARING PLATE	1
3	88993-04	BEARING * 4 BOLT FLANGE	2
4	89143	BOLT * HEX 5/8"-11UNC X 1 3/4"	8
5	93144	BOLT * HEX 1/2"-13 X 1 1/2"	4
6	84717	WASHER * LOCK 5/8" SPRING STEEL	8
7	83317	WASHER * LOCK 1/2" SPRING STEEL	4

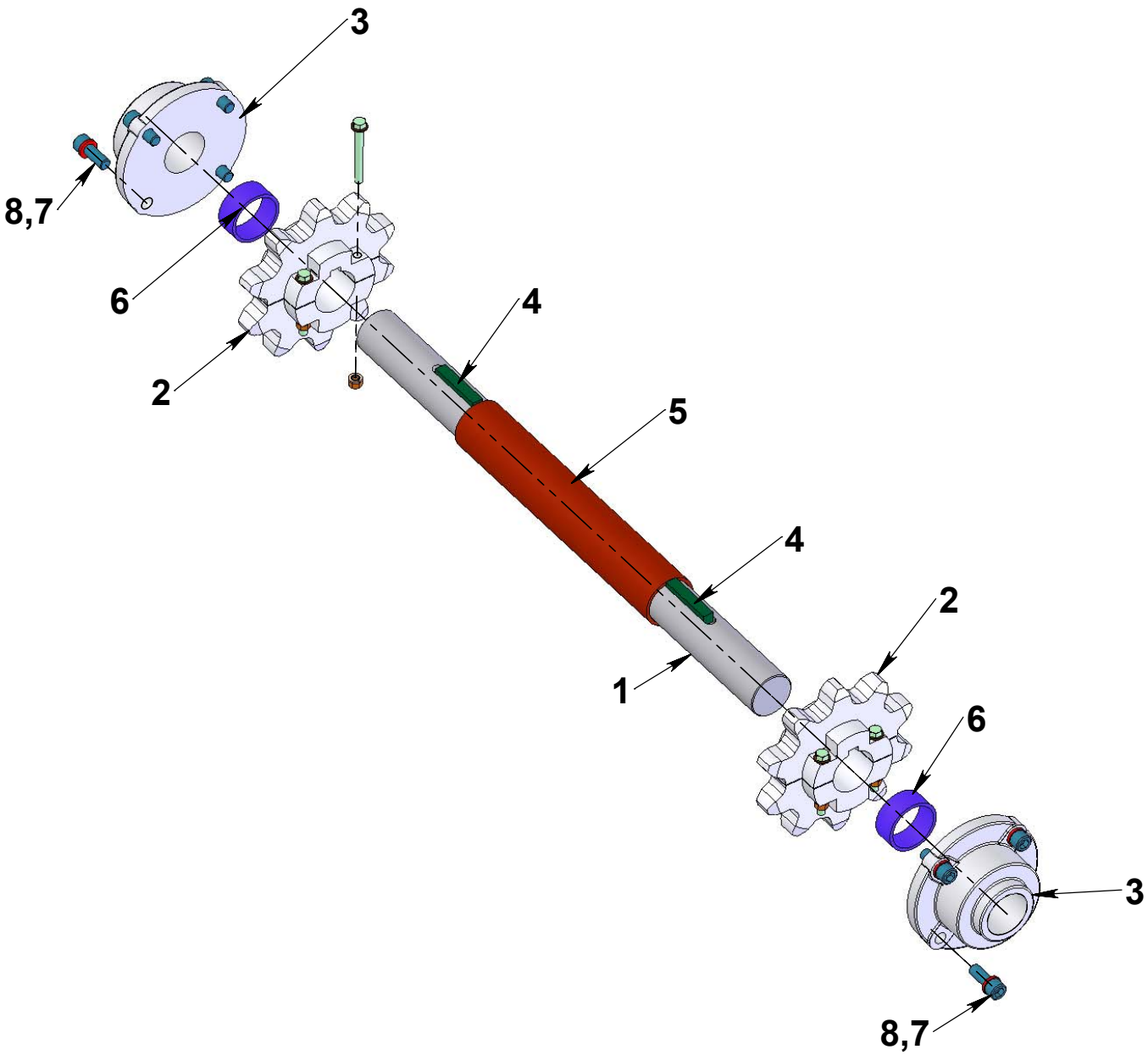
ASSEMBLY-C3 HEAD SHAFT & TAKE-UP
(234460-01)



ASSEMBLY-C3 HEAD SHAFT & TAKE-UP (234460-01)

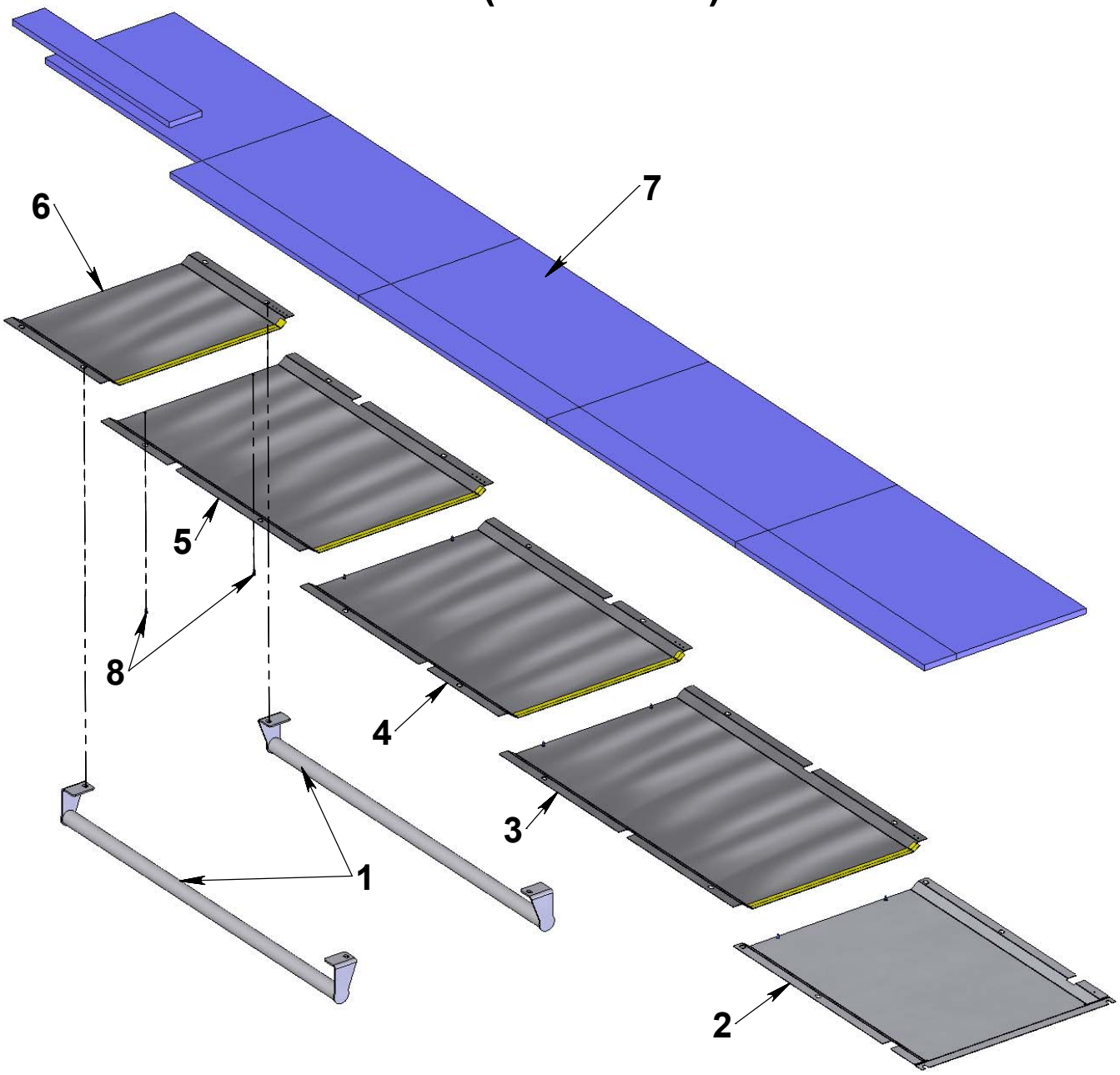
ITEM #	PART #	DESCRIPTION	QTY
1	234659-01	WELDMENT-C3 TAKE-UP, LT DRIVE MOUNT	1
2	234660-01	WELDMENT-C3 TAKE-UP, RT BRNG MOUNT	1
3	215750-03	DETAIL-UPPER KEEPER BAR	2
4	235222-04	ASSEMBLY-TAKE-UP SCREW	2
5	99779-01	WELDMENT-C3 HEAD SHAFT & MACH'G	1
6	29E38	PLANETARY SPEED REDUCER	1
7	29G14	BEARING * FLANGED BLOCK 2000 SERIES	1
8	123168-01-48	KEYSTOCK, 3/4", 4" LG, CD-1018	2
9	234460-01-16	PIPE * 3" SCH.40, 20 7/16" LG, A53	1
10	234460-01-17	PIPE * 3" SCH.40, 1 1/2" LG, A53	2
11	133348	BOLT * HEX 3/4-16 X 3 1/2 GD.8	8
12	89151	BOLT * HEX 3/4"-10 X 3"	10
13	93212	SCREW * 3/4"-10 X 2" SOC.HD.	4
14	95932	BOLT * HEX 3/4"-10 X 1 1/2"	8
15	83031	NUT * 1 1/2"-6 HEX GRADE 8	6
16	95938	NUT * JAM 3/4"-10 UNC GRADE 8	10
17	83032	WASHER * FLAT 1 1/2" N SERIES	8
18	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	30
19	235350-03	SPROCKET * C3 SB-2500E	2
20	99509	FIT * 4 JIC M X 1/8" NPT M 45 DEG	1

ASSEMBLY-C3 FOOT SHAFT
(234462-01)



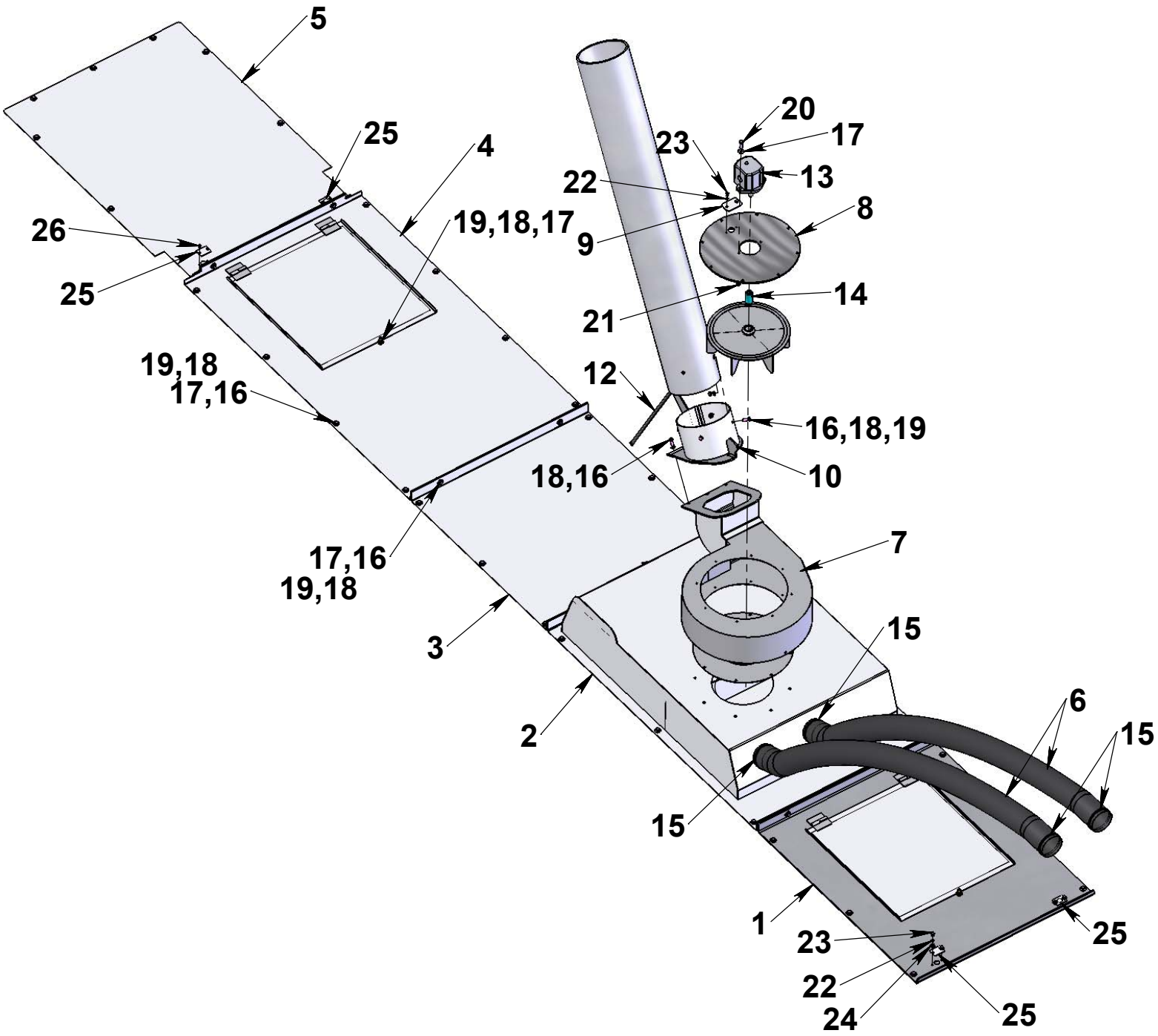
ITEM #	PART #	DESCRIPTION	QTY
1	234463-03	DETAIL-C3 TAIL SHAFT	1
2	235350-03	SPROCKET * C3 SB-2500E	2
3	29G14	BEARING * FLANGED BLOCK 2000 SERIES	2
4	123168-01-48	KEYSTOCK, 3/4", 4" LG, CD-1018	2
5	234460-01-16	PIPE * 3" SCH.40, 20 7/16" LG, A53	1
6	234460-01-17	PIPE * 3" SCH.40, 1 1/2" LG, A53	2
7	93212	SCREW * 3/4"-10 X 2" SOC.HD.	8
8	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	8

ASSY-INSULATION PANEL & TRUCK RAIL (234451-01)



ITEM #	PART #	DESCRIPTION	QTY
1	212605-01	WELDMENT - C3 GUARD RAILS	2
2	212606-01	WELDMENT ~ C-3 INSULATION COVER 1	1
3	212607-01	WELDMENT ~ C-3 INSULATION COVER 2	1
4	212608-01	WELDMENT ~ C-3 INSULATION COVER 3	1
5	212609-01	WELDMENT ~ C-3 INSULATION COVER 4	1
6	212610-01	WELDMENT ~ C-3 INSULATION COVER 5	1
7	212611-02	INSULATION KIT-C3 CONVEYOR-SB-2500C	1
8	133842	HEX-HEAD/SELF-DRILLING~1/4-20 X 3/4	8

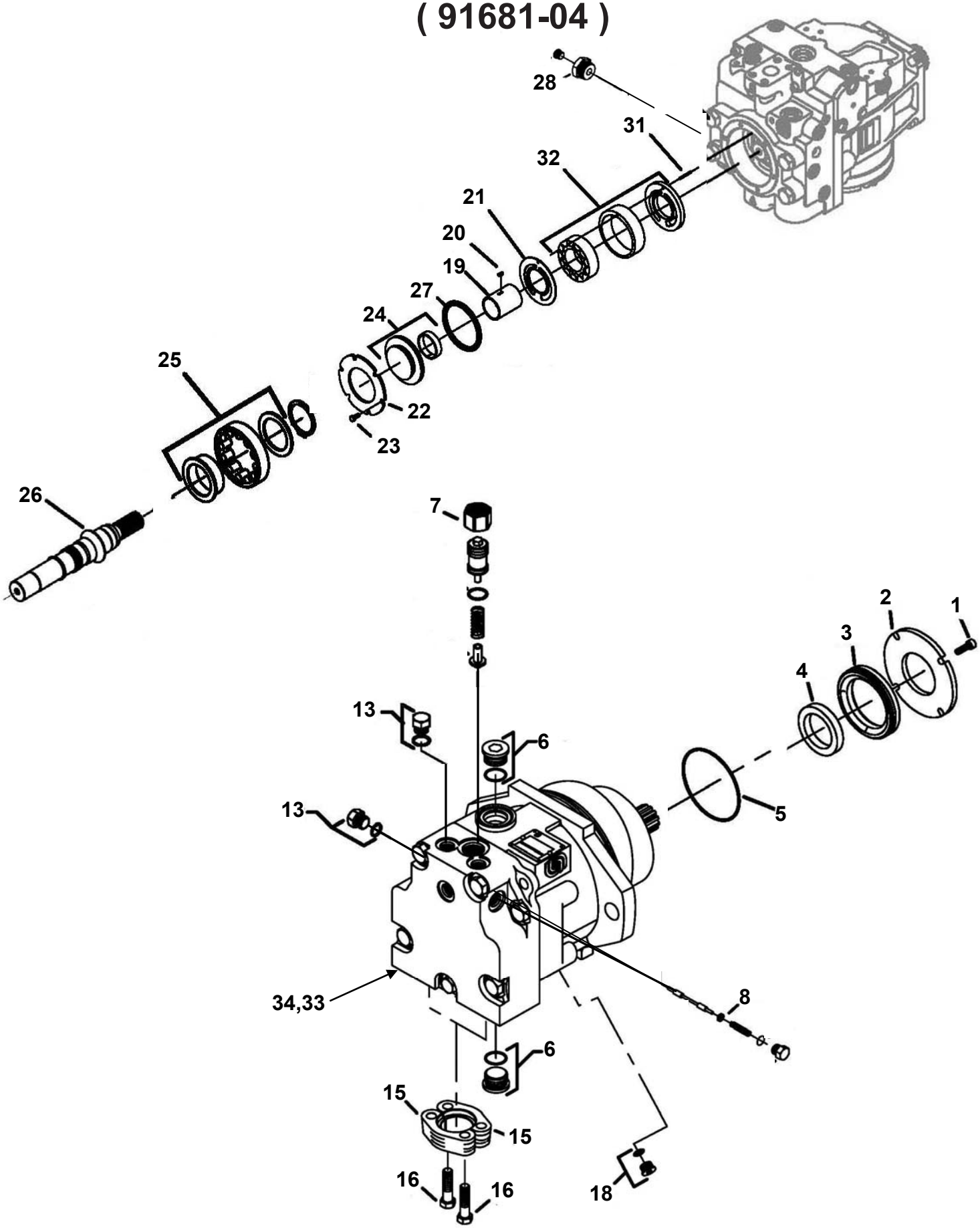
ASSEMBLY-C3 TOP COVER
(234450-01)



ASSEMBLY-C3 TOP COVER
(234450-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	234367-03	WELDMENT-TOP COVER (RECEIVING END)	1
2	234357-01	WELDMENT-C3 TOP COVER - FXS	1
3	234368-03	DETAIL-C3 TOP COVER PANEL	1
4	234545-03	WELDMENT-C3 TOP COVER (8 BOLT)	1
5	234527-03	DETAIL-C3 TOP COVER, DISCHARGE END	1
6	234356-01-1	HOSE - 4" FLEX 2 PLY x 120 INCHES	2
7	234358-01	WELDMENT-C3 BLOWER SHROUD	1
8	134686-01	BLOWER MOTOR MOUNTING PLATE (SUND)	1
9	134687-04	DETAIL-INSPECTION COVER	1
10	234411-02	WELDMENT-C3 FAN SHROUD VENT EXT.	1
11	129227-03	DETAIL-VENT PIPE	1
12	133967-04	SPRING * 1/2"OD. 10"LG X 1/16"WIRE	1
13	215588-04	MOTOR - HYD 0.66 CID	1
14	130665-04	BUSHING & KEY	1
15	129000	CLAMPS * HOSE 4 1/2" IDEAL # 6464	4
16	84332	BOLT * HEX 3/8"-16 X 1"	48
17	83757	WASHER ~ FLAT 3/8 STEEL	86
18	83056	WASHER ~ LOCK 3/8 SPRING STEEL	50
19	83055	NUT * 3/8-16 HEX GRADE 8	47
20	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2
21	92235	NUT ~ 3/8"-16 LOCK GRADE 8	2
22	83065	WASHER ~ LOCK 1/4" SPRING STEEL	6
23	83114	BOLT * HEX 1/4"-20 X 1/2"	6
24	84444	WASHER * FLAT 1/4" STEEL	4
25	246973-03	DETAIL-WASHDOWN SPRAYER HOLE COVER	4
26	235104-04	SCREW #10 X 1/2" HEX SELF-DRILL	4

C-3 DRIVE MOTOR
(91681-04)



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C-3 DRIVE MOTOR
(91681-04)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	91681-04-C5	SCREW - SOC. HD.	3
2	91681-04-C10	RETAINER PLATE	1
3	91681-04-C11	CARRIER - SEAL	1
4	91681-04-C3	LIP SEAL	1
5	91681-04-C4	O-RING	1
6	91681-04-C12	PLUG W/ O-RING	2
7	91681-04-C13	CHARGE RELIEF VALVE	1
8		FLUSHING VALVE	1
9	91681-04-C14	SHUTTLE VALVE SPOOL	1
10		SPRING	1
11	91681-04-C15	SPRING GUIDE	1
12		O-RING	1
13	91681-04-C16	PLUG W/ O-RING	2
14			
15		SPLIT FLANGE	3
16	91681-04-C17	SCREW	12
17			
18	91681-04-C19	PLUG W/ O-RING	3
19		CHARGE PUMP SHAFT	1
20		KEY	1
21	91681-04-C20	SPRING - GUIDE	1
22		RETAINING PLATE	1
23	91681-04-C5	SCREW	6
24		COVER ASSY.	1
25	91681-04-C9	JOURNAL BEARING ASSY.	1
26	91681-04-C7	SHAFT	1
27	91681-04-C4	O-RING	1
28		PLUG	1
29		REDUCER FITTING	1
30		PLUG W/ O-RING	
31		ALIGNMENT PIN	1
32		KIT - CHARGE PUMP	1
33	91681-04-C1	GASKET - END PLATE	1
34	91681-04-C2	END PLATE	
35			

CODE: 90M055-NC0O-N-8-N-O-S1-W-OO-HNN-OO-OO-24

SECTION 5 : HYDRAULICS

NEXT PAGE

ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	245620-01	2045 & UP	5.1
HOUSING.- DOUBLE ELEMENT FILTER	29G38		5.6
18” ELEMENT	229517-03		5.7
HOUSING - 2 ELEMENT FILTER W/ BY-PASS	29G37		5.8
18” ELEMENT	229518-03		5.9
DRIVE (PROPEL)	239584-01		5.10
DIFF. LOCK VALVE	221111-02		5.12
BRAKE CIRCUIT	242502-01		5.14
HAND-PUMP / PILOT VALVES MANIFOLD	242296-03		5.17
BRAKE PRESS. SWITCH	215977-03		5.19
STEERING	226479-01		5.20
CYLINDER, STEERING	219625-03		5.22
SLIDE PLATFORM & FLOWGATES	240171-01		5.24
FLOWGATE CNTL. MANIFOLD	236178-02		5.26
CYLINDER, FLOWGATE	144894-01		5.27
FUME CONTROL	236280-02		5.28
FUME CNTL. MANIFOLD	236180-03		5.30
AUXILIARY PUMP & OIL COOLER	242503-01		5.32
FILTER, HI PRESS. IN-LINE	242483-03		5.34
RETURN MANIFOLD	238603-03		5.35
AUX. RETURN MANIFOLD	236251-03		5.36
AUX. PRESSURE MANIFOLD	242297-03		5.37
C-1 HYD. PUSH ROLLER	209080-01		5.39
PUSH ROLLER MANIFOLD	209079-02		5.41
CYLINDER, PUSH ROLLER	147955-03		5.42
HOOD RAISE	204266-01		5.43
CYLINDER, HOOD RAISE	201812-01		5.46
C-1 CONVEYOR DRIVE	239586-01		5.48
C-1 RAISE / LOWER	242501-01		5.50
C-1 RAISE/LOWER MANIFOLD	242500-03		5.52
CYLINDER, C-1 RAISE/LOWER	207380-01		5.53
C-1 HOPPER	240549-01		5.54
C-1 HOPPER CONTROL MANIFOLD	236176-02		5.57
CYLINDER, C-1 HOPPER RAISE	97482-01		5.59
CYLINDER, C-1 BAFFLE	215523-01		5.60
C-2 CONVEYOR DRIVE	239588-01		5.62
C-2 HOPPER CLEAN OUT	226792-01		5.65
CYLINDER, C-2 CLEAN OUT	225738-01		5.67

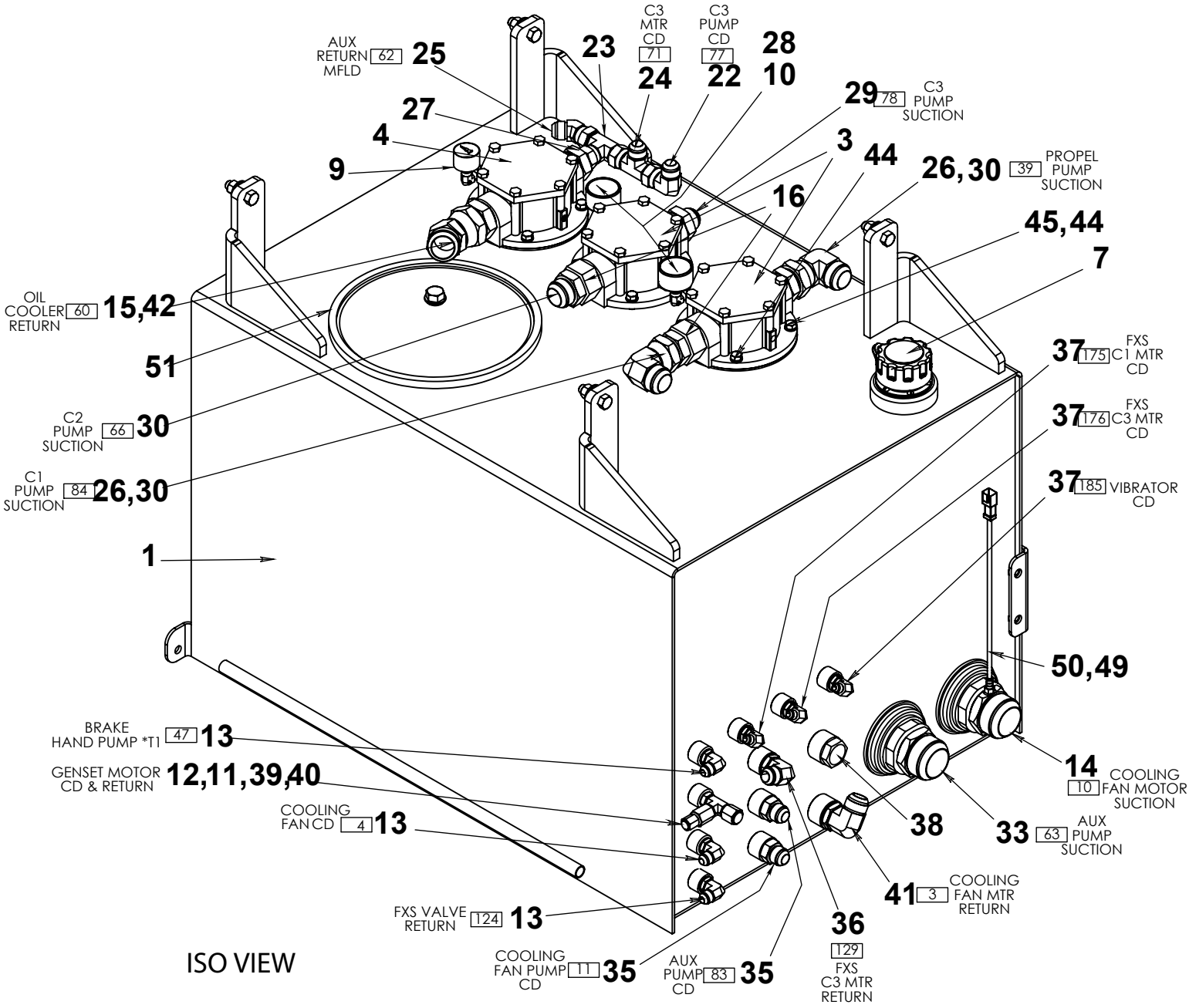
PREVIOUS PAGE

SECTION 5 : HYDRAULICS

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-3 CONVEYOR DRIVE	236184-01		5.68
C-3 CONTROL	236339-01		5.71
C-3 CNTL. MANIFOLD	236179-02		5.75
CYLINDER, C-3 LIFT	214518-01		5.77
CYLINDER, C-3 SWING	144901-01		5.78
COOLING FAN HYD'S.	244155-01		5.80
HYDRAULIC TUB	242062-01		5.82
LT TUB BULKHEAD	242090-03		5.84
RT TUB BULKHEAD	242091-03		5.85
LUBRICATION CHART			
JIC FITTING INSTRUCTIONS	134914-02		
SPEED CHART	236382-01		
HOSE KIT	244291-04	2013 & UP	
SCHEMATIC	244280-01	2013 & UP	

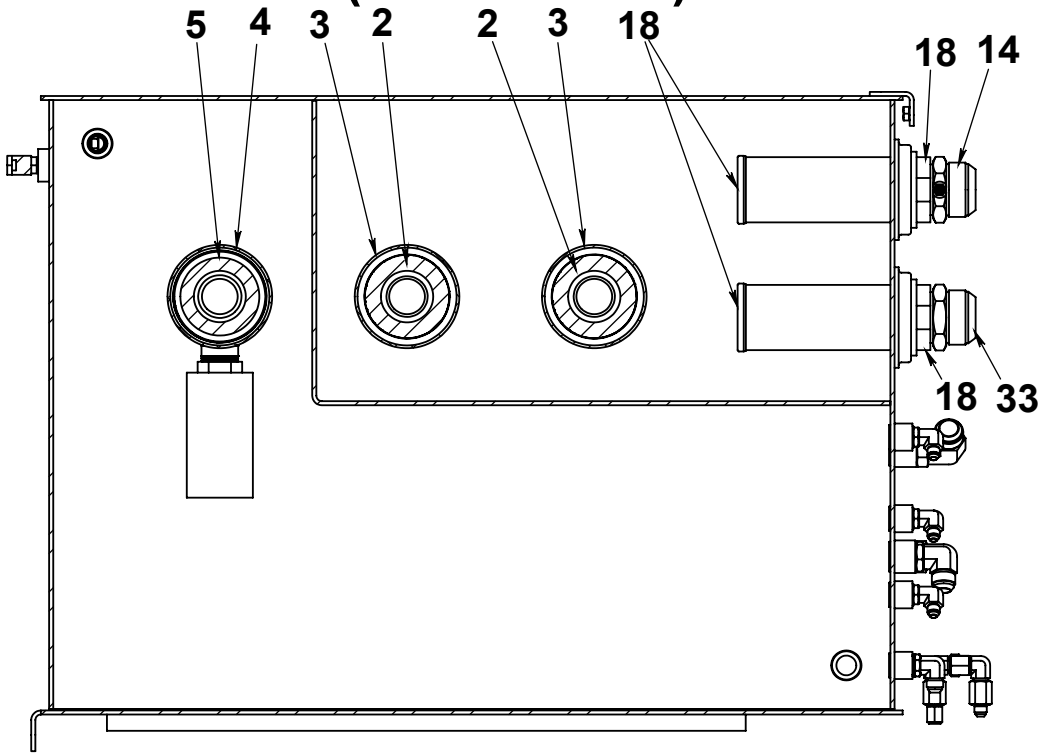
ASSEMBLY- HYD. TANK SB-2500ex T4
(245620-01)

NEXT PAGE

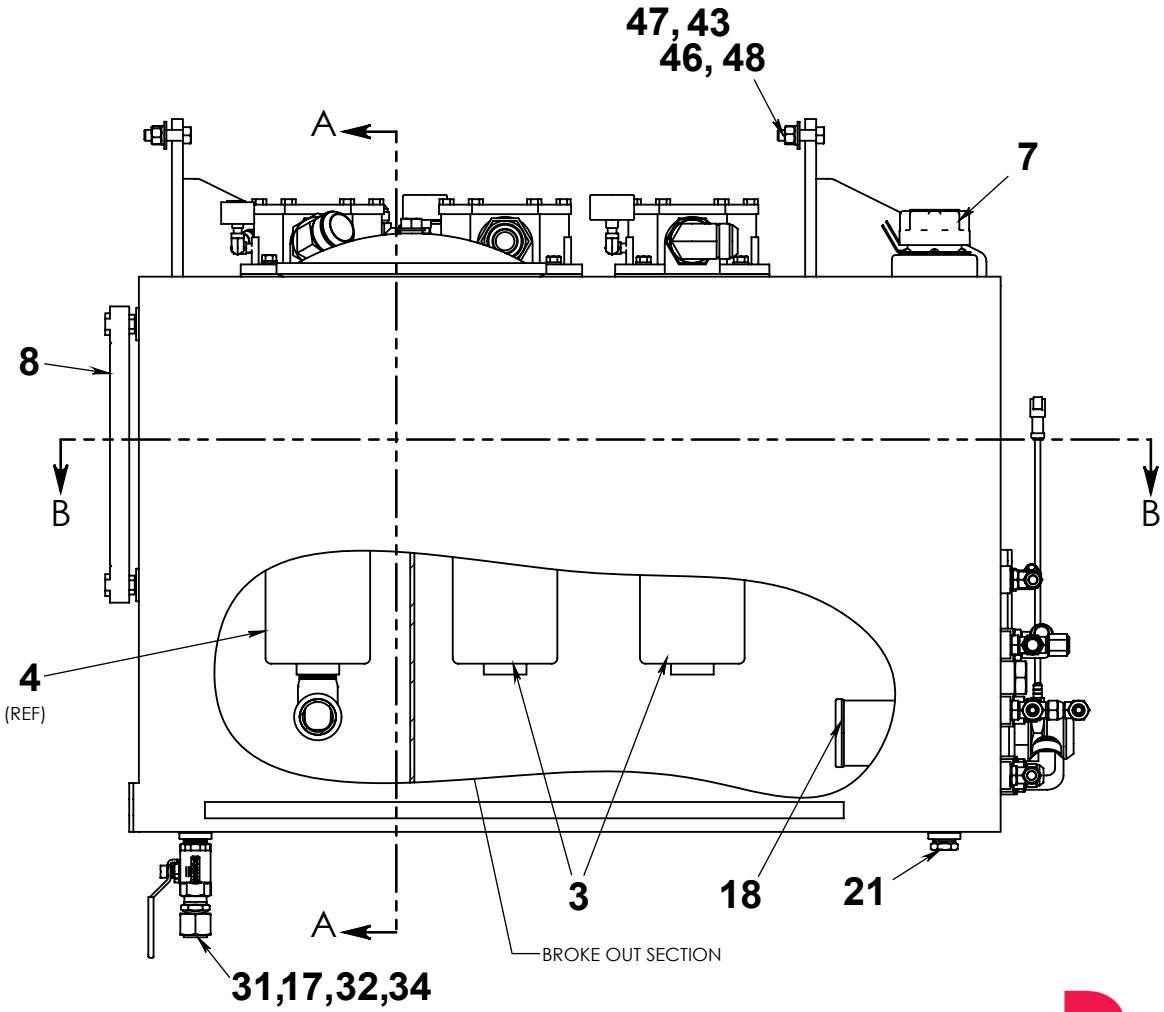


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ASSEMBLY- HYD. TANK SB-2500ex T4
(245620-01)



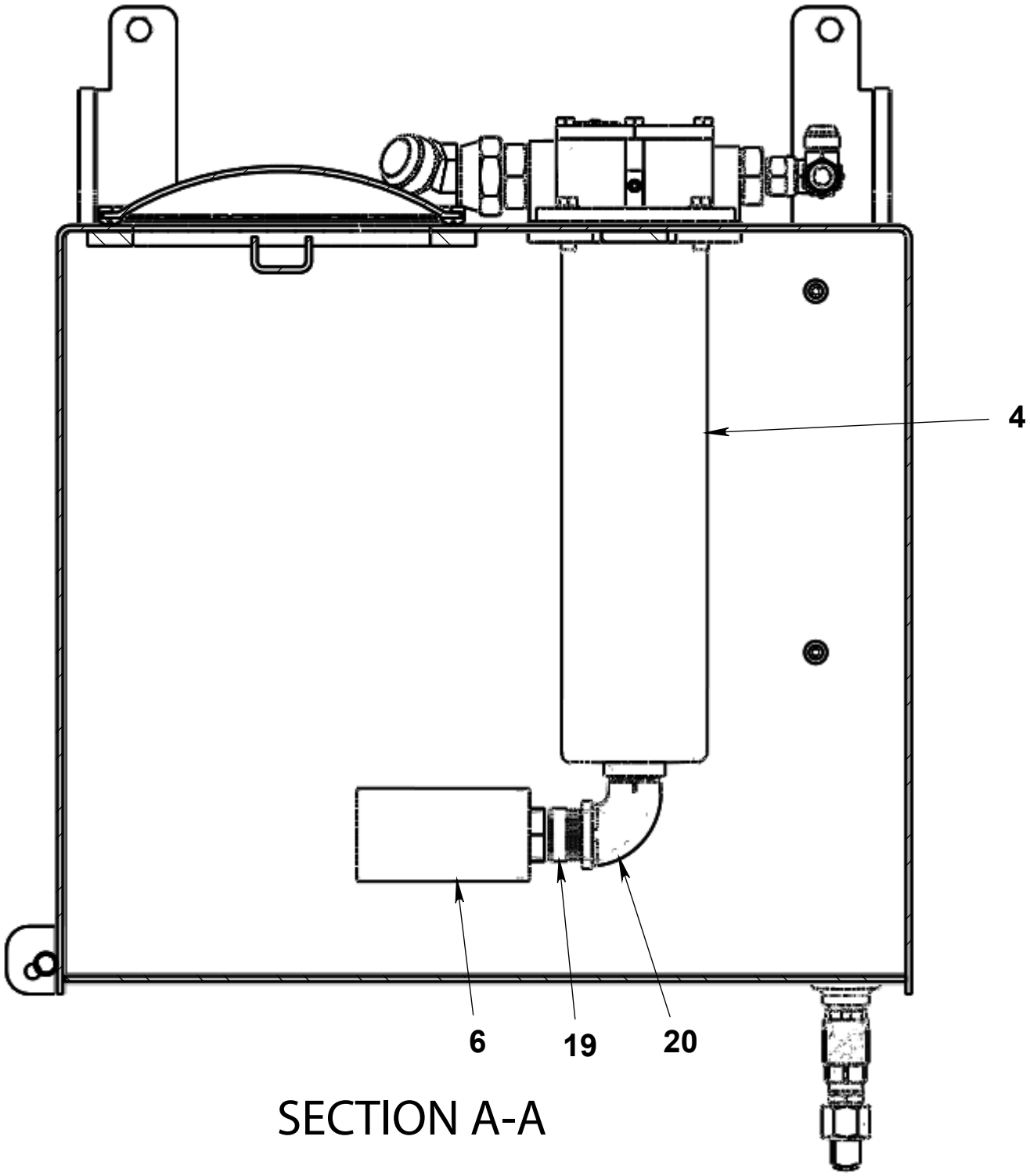
SECTION B-B



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ASSEMBLY- HYD. TANK SB-2500ex T4
(245620-01)



SECTION A-A

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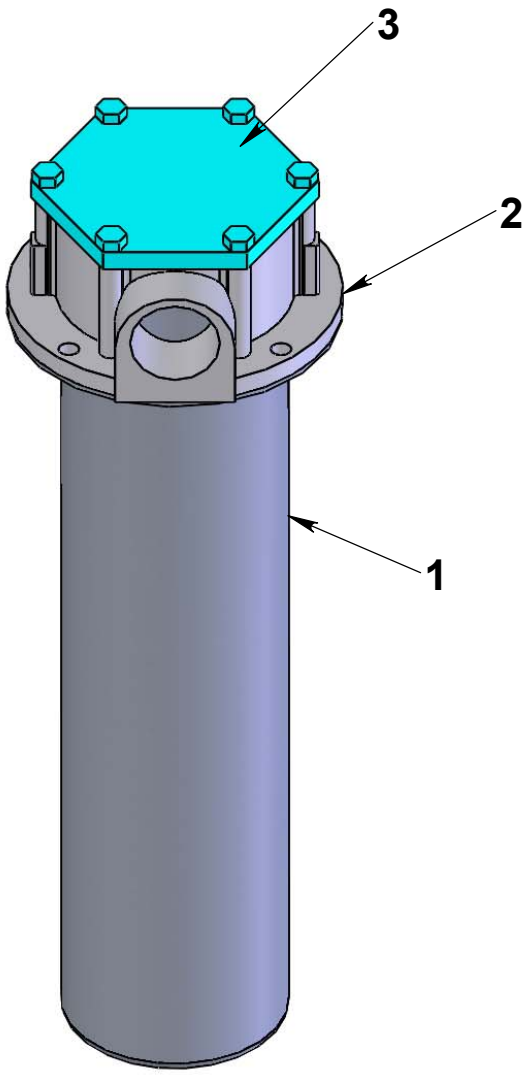
ASSEMBLY- HYD. TANK SB-2500eX T4
(245620-01)

ITEM#	PART #	DESCRIPTION	QTY.
1	245530-01	WELDMENT-HYD TANK, SB-2500E T4	1
2	229517-03	ELEMENT - LABELED 18" 10 MICRON SUCTION	2
3	29G38	FILTER ~ HOUSING DOUBLE ELEMENT	2
4	29G37	FILTER - HOUSING 2 ELEMENT W/BYPASS	1
5	229518-03	ELEMENT - LABELED 18" 3 MICRON RETURN	1
6	16w28	RETURN LINE DIFFUSER 1 1/4"NPT	1
7	87237-04	FILLER CAP	1
8	97412-04	GAUGE * CHANNEL LIQUID LEVEL	1
9	29E61	GAUGE * PRESS. USE W/15 PSI.FILTER	1
10	33019	GAUGE * VACUUM (SUCTION FILTER)	2
11	83988	FIT * CAP 8 JIC STEEL	1
12	83766-04	FIT * RUN TEE 8 JIC - 8 SAE MALE	2
13	83460-04	FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL	2
14	238381-04	MODIFICATION- 32 JIC X NPT TEMP PROBE	1
15	83768-04	FIT * CONNECTOR 24 JIC - 24 SAE M.	1
16	28G05	FIT * ST.ADAPTOR 24 SAEM X 20 SAEF	2
17	84002-04	FIT ~ CONNECTOR 12 JIC -3/4 NPT M.	1
18	89013-04	FILTER * TANK STRAINER 100	2
19	80591	NIPPLE * CLOSE 1 1/4"	1
20	92144	PLUMB * STREET ELBOW 90° 1 1/4" NPT	1
21	97032	PIPE PLUG ~ 3/4" NPT HEX HEAD	1
22	83764-04	FIT * ELBOW 12 JIC M 90 FM SWIVEL	1
23	89898-04	FIT ~ BRANCH TEE 12 JIC SWIVEL	1
24	84402-04	FIT ~ SWIVEL RUN TEE 12 JIC	1
25	90952-04	FIT * ELBOW 12 JIC 45 DEG. SWIVEL	1
26	85216-04	FIT * SWIVEL ELBOW 20 JIC 90 DEG	2
27	120671	FIT ~ 12 JIC x 20 SAE ST.	1
28	23J52	FIT * ELBOW 1/8"NPTM X 1/8 NPTF 90	6
29	84632-04	FIT * CONNECTOR 16 JIC - 20 SAE M.	1
30	84244-04	FIT * CONNECTOR 20 JIC - 20 SAE M	3
31	92037-04	VALVE * 3/4" APOLLO BALL HANDTYPE	1
32	85394-04	FIT * CAP 12 JIC	1
33	210630-04	FIT * 2 NPT X 32 JIC M	1
34	80250	NIPPLE * CLOSE 3/4"	1
35	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	2
36	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	1
37	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	3
38	85396-04	FIT * PLUG 16 SAE	1
39	84060-04	FIT ~ ADAPTOR 8 JIC - 6 JIC RED.	3
40	85391-04	FIT * CAP 6 JIC	1
41	91660	FIT * ELBOW 16 JIC - 16 SAE 90 DEG.	1
42	128222	FIT * 24 JIC-24 JIC FEMALE SW.45	1
43	83317	WASHER * LOCK 1/2" SPRING STEEL	4
44	83924	BOLT * HEX 3/8"-16 X 1 1/2"	12
45	83056	WASHER ~ LOCK 3/8 SPRING STEEL	12

ASSEMBLY- HYD. TANK SB-2500eX T4
(245620-01)

ITEM#	PART #	DESCRIPTION	QTY.
46	83781-04	WASHER * FLAT 1/2" STEEL	4
47	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	4
48	83288	NUT * 1/2"-13 HEX GRADE 8	4
49	236344-04	ELEC * AUXILIARY TEMP SENSOR	1
50	216674-03-C1	KIT * O-RING	1
51	212796-03	ASSEMBLY-HYDRAULIC TANK COVER	1
52			
53			
54			
55			

FILTER ~ HOUSING DOUBLE ELEMENT (29G38)



REPLACEMENT ELEMENT: #229517-03 10 MICRON SUCTION

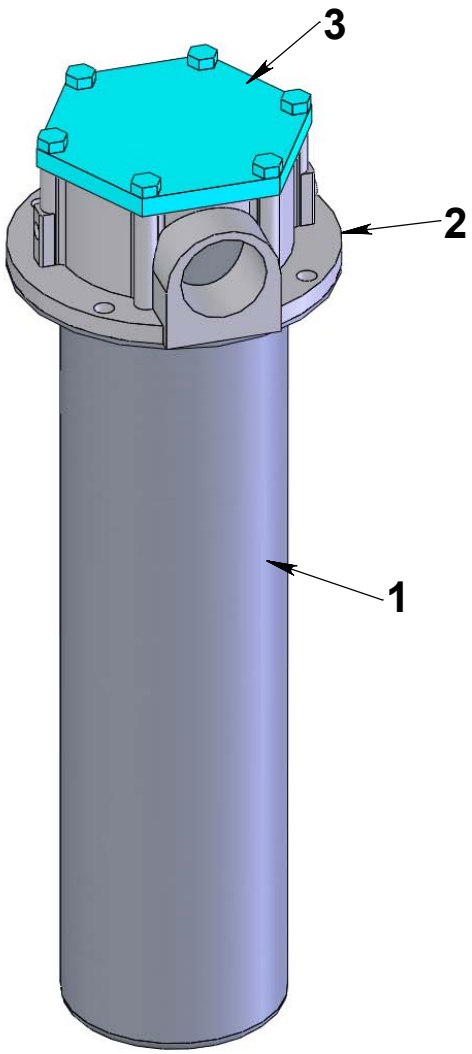
ITEM #	PART #	DESCRIPTION	QTY
1	29g38 bowl	29g38 bowl	1
2	28g38 filter head	28g38 filter head	1
3	29g38 filter head cap	29g38 filter head cap	1

ELEMENT - LABELED 18" SUCTION (229517-03)



ITEM #	PART #	DESCRIPTION	QTY
1	229517-03	ELEMENT - LABELED 18" SUCTION	1

FILTER ~ HOUSING 2 ELEMENT W/BYPASS (29G37)



REPLACEMENT ELEMENT: #229518-03 3 MICRON

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

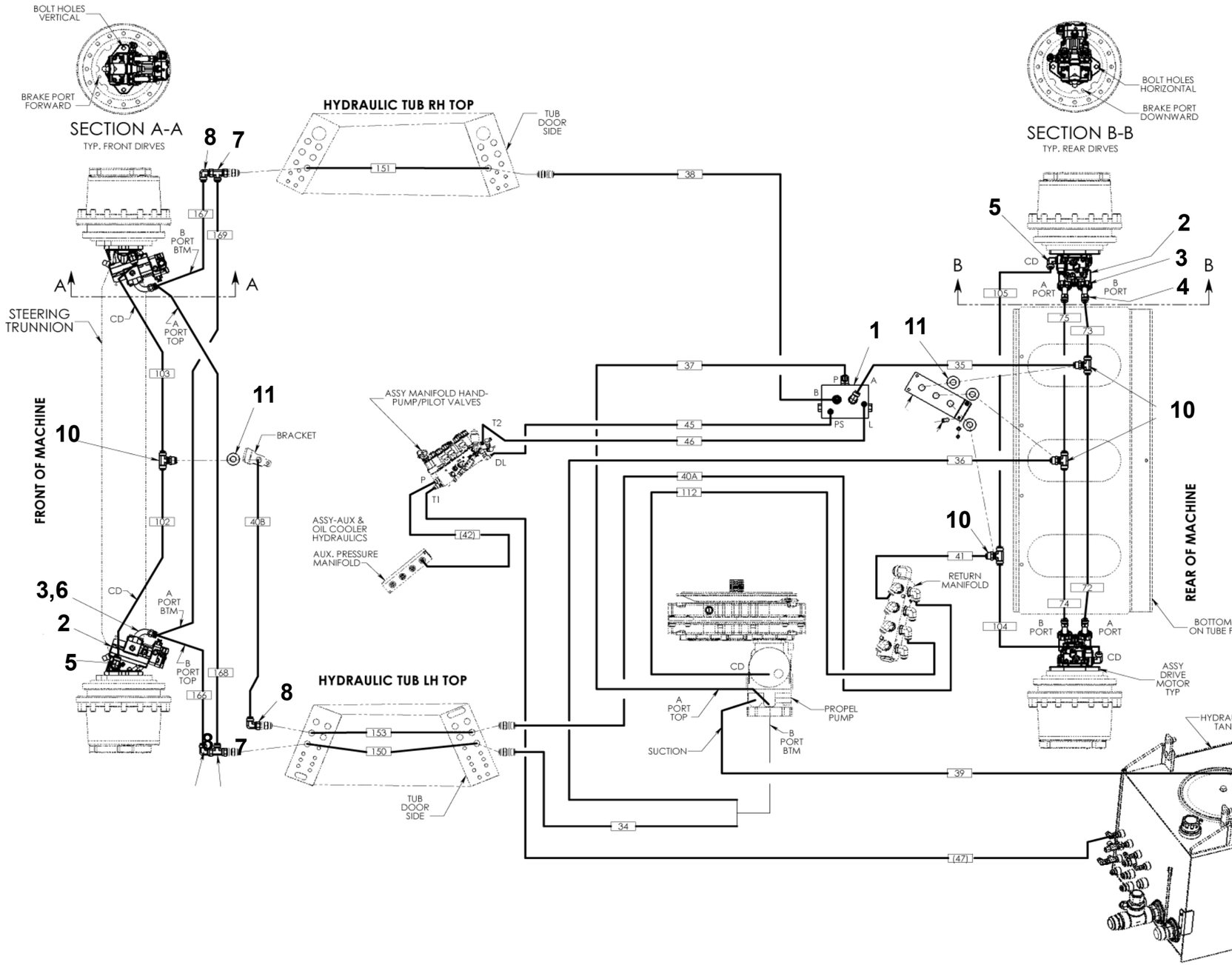
ELEMENT - LABELED 18" RETURN (229518-03)

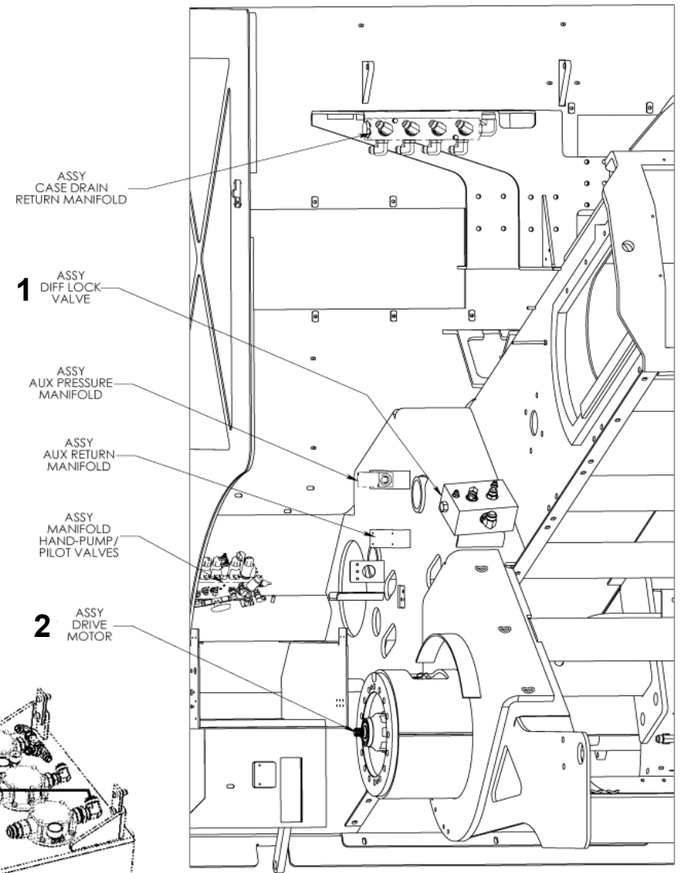


ITEM #	PART #	DESCRIPTION	QTY
1	229518-03	ELEMENT - LABELED 18" RETURN	1

ASSEMBLY- PROPEL DRIVE HYDRAULICS
(239584-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	221111-02	ASSEMBLY- DIFF LOCK VALVE	1
2	240199-04	MOTOR * S51 60CC CARTRIDGE,2SP, 24V	4
3	86076-04	KIT * FLANGE #12 CODE 62	8
4	97555	FIT * 12 JIC.- 12 FLG.ST CODE 62	4
5	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	4
6	83890-04	FIT * 12 JIC-12 FLG 90 CODE 62	4
7	84402-04	FIT ~ SWIVEL RUN TEE 12 JIC	2
8	83764-04	FIT * ELBOW 12 JIC M 90 FM SWIVEL	3
9	238348-03	DETAIL-BULKHEAD, STEERING HOSES	1
10	85302	FIT * BULKHEAD BRANCH TEE 12 JIC	4
11	10S89	WASHER ~ FLAT 1" A325	4
12	83055	NUT * 3/8-16 HEX GRADE 8	2
13	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
14	84332	BOLT * HEX 3/8"-16 X 1"	2

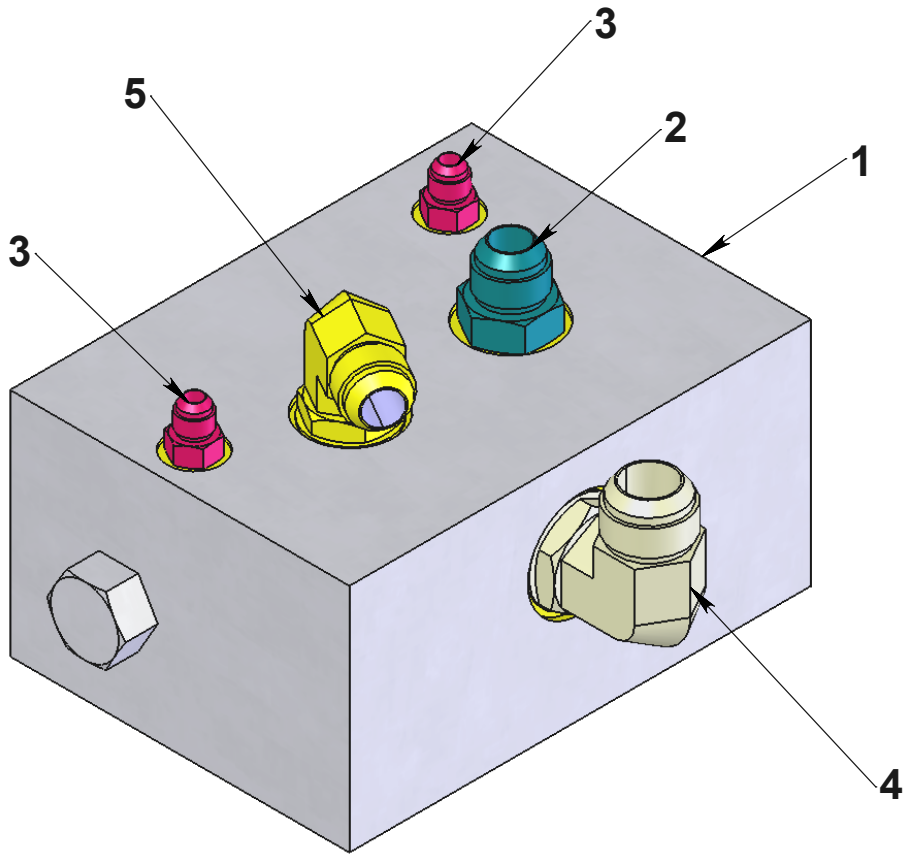




COMPONENT LOCATION PARTIAL VIEW

LH SIDE REAR QUARTER SHOWN

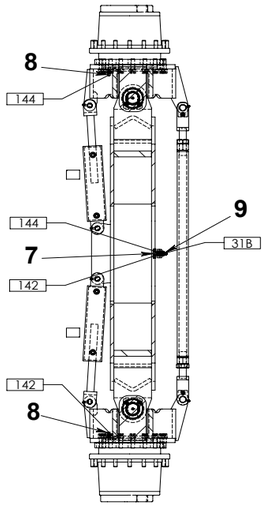
ASSEMBLY- DIFF LOCK VALVE
(221111-02)



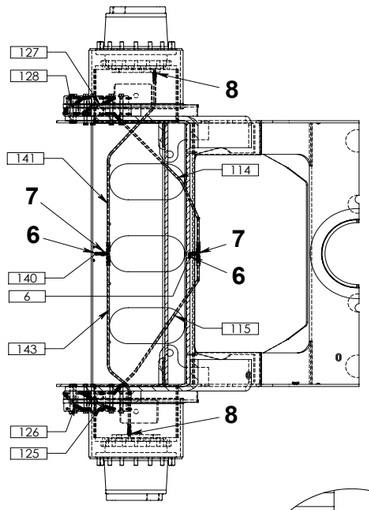
ITEM #	PART #	DESCRIPTION	QTY
1	220263-03	MANIFOLD * DIFF-LOCK BODY	1
2	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	1
3	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	2
4	91660	FIT * ELBOW 16 JIC - 16 SAE 90 DEG.	1
5	91664-04	FIT ~ ELBOW 12 JIC - 12 SAE 90 DEG.	1

ASSEMBLY- BRAKE CIRCUIT HYDRAULICS
(242502-01)

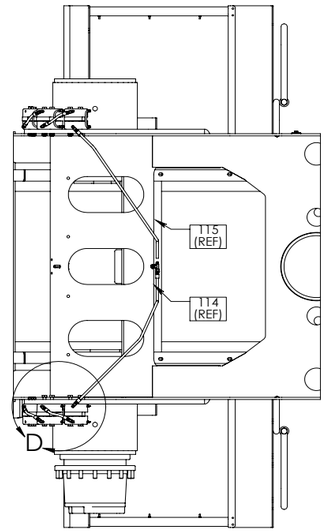
ITEM#	PART #	DESCRIPTION	QTY.
1	242296-03	ASSY-MANIFOLD-HAND PUMP/PILOT VALVS	1
2	123860	BRAKE * DISC CALIPER W/TUBE	6
3	129634-03	DETAIL-BRAKE CALIPER SPACER BLOCK	6
4	84560-04	FIT ~ ELBOW 4 JIC -1/8 NPT 90 MALE	22
5	84385-04	PLUG 1/8"NPT CSK ALLEN HEAD	2
6	85381	ELBOW 90 DEG BULKHEAD W/LOCKNUT -6 JIC	2
7	89598	FIT * SWIVEL BRANCH TEE 6 JIC	3
8	120550	FIT * 1/4" BSP X 6 JIC ST.	4
9	83475-04	FIT * BULKHEAD UNION 6 JIC ST	1
10	129581	BOLT * 5/8 - 18 X 6"	12
11	130417	NUT * JAM 5/8-18 UNF	12



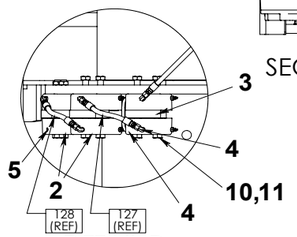
SECTION A-A



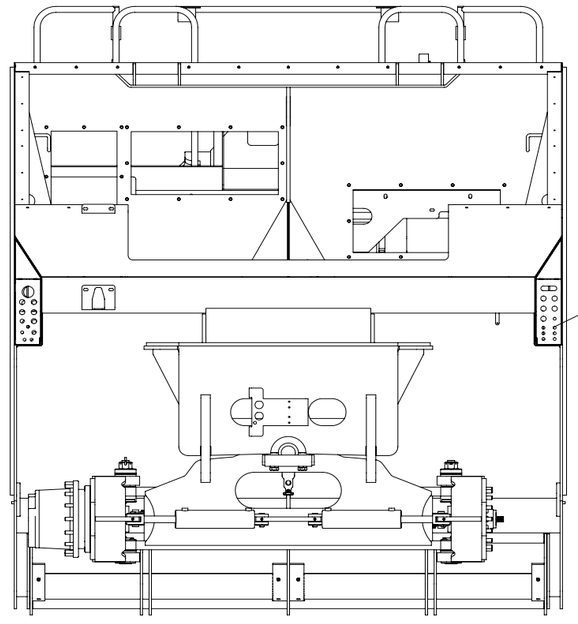
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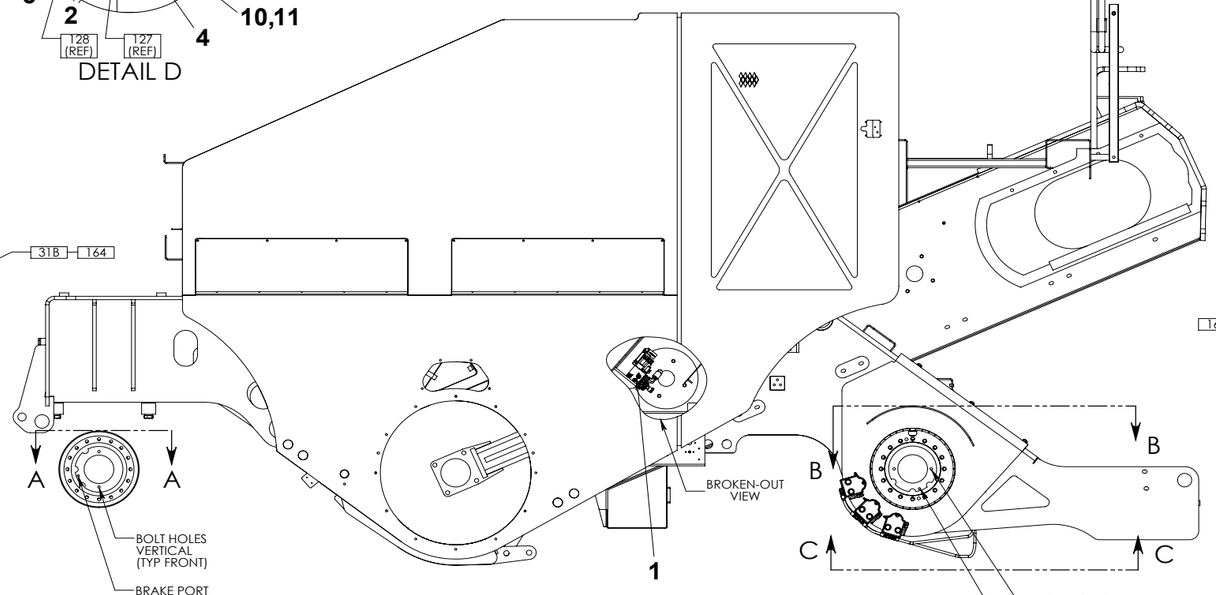


SECTION C-C

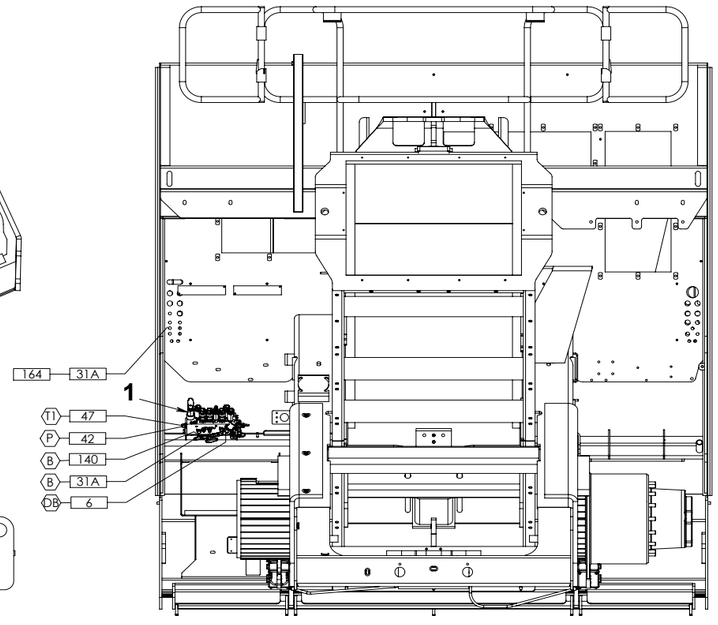


DETAIL D



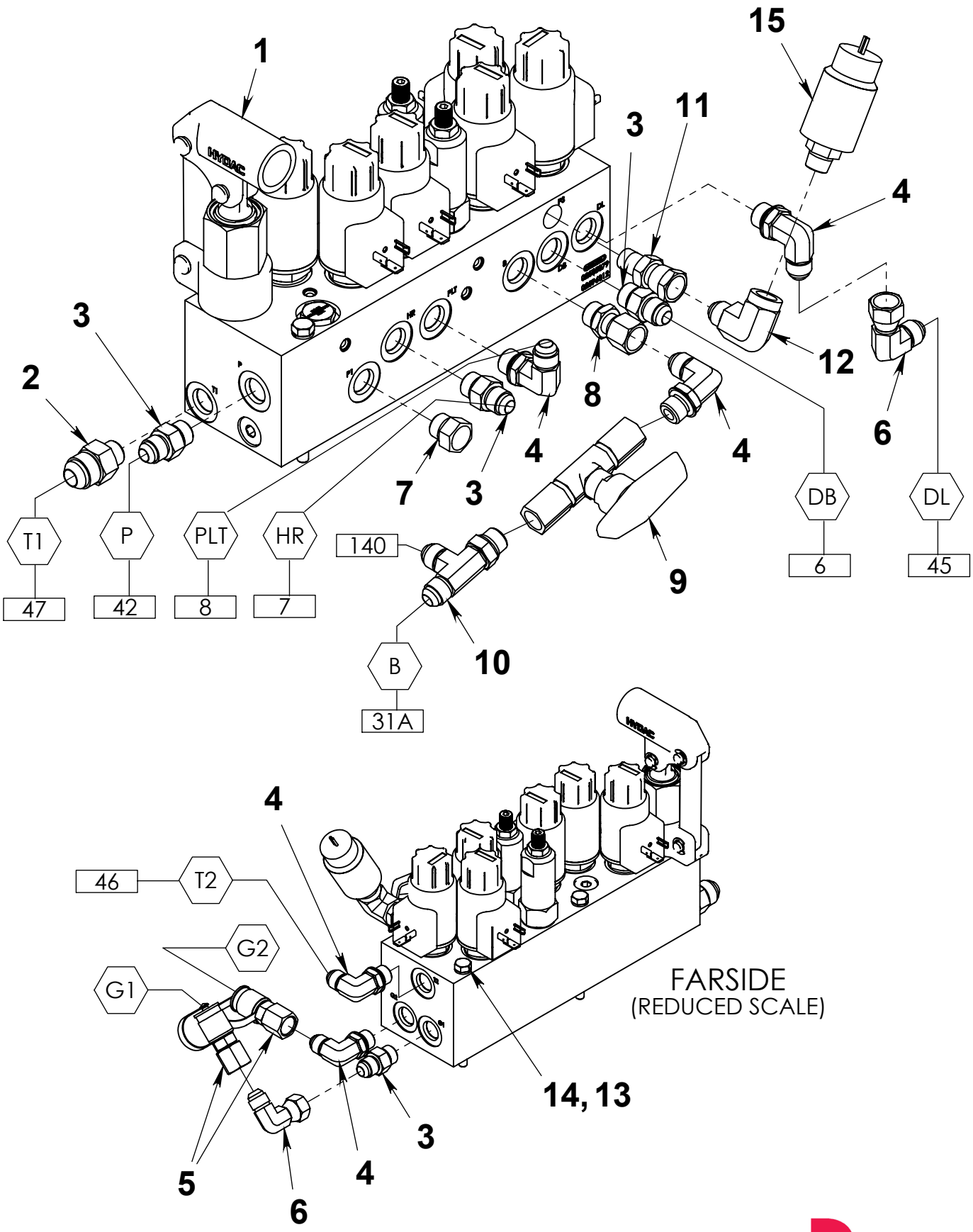


LEFT SIDE DRIVES
REMOVED FOR CLARITY



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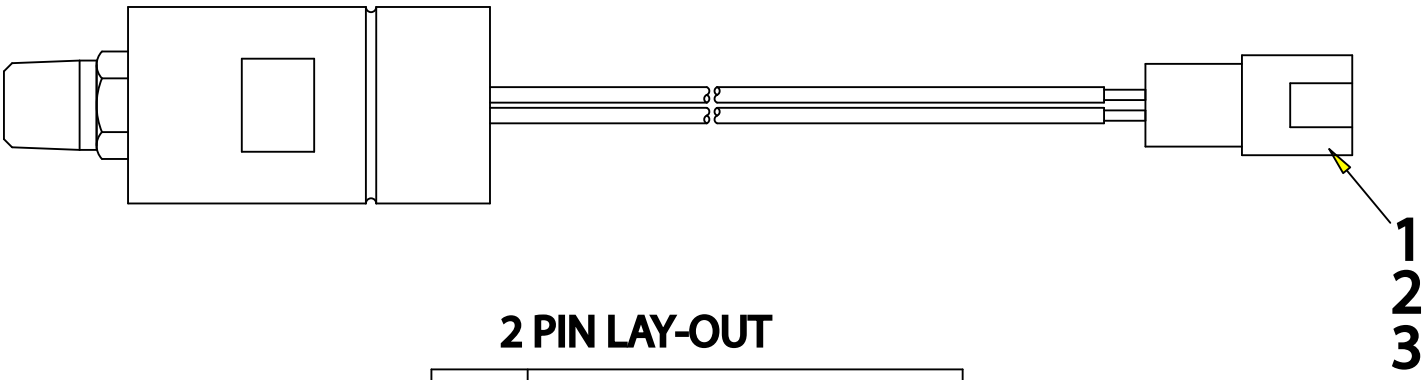
ASSY, MANIFOLD HAND PUMP/PILOT VALVES
(242296-03)



ASSY-MANIFOLD-HAND PUMP/PILOT VALVS (242296-03)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235771-01	MANIFOLD-HOOD BRAKE MOTOR SHIFT CONTROLS-24V	1
2	83462-04	FIT * CONNECTOR 8 JIC - 6 SAE MALE	1
3	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	4
4	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	5
5	140303-04	FIT * TEST PORT 9KPSI #6 JIC FS	2
6	83953-04	FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG.	2
7	84635-04	FIT * PLUG 6 SAE	1
8	135923-04	FIT * 6 SAE MALE - 6 JIC FEM SW.STR	1
9	131913-04	VALVE * 2 WAY BALL 6 SAE	1
10	91665-04	FIT ~ RUN TEE 6 JIC M - 6 SAE M	1
11	86622-04	FIT * 1/4 NPT M - 6 JIC FEM SWIVEL	1
12	83740-04	FIT * ELBOW 6 JIC-1/4 NPT 90 FEMALE	1
13	83065	WASHER * LOCK 1/4" SPRING STEEL	3
14	93061	BOLT * HEX 1/4"-20 X 3 1/2"	3
15	215977-03	ASSY-BRAKE PRESSURE SWITCH	1

BRAKE PRESSURE SWITCH ASSY.
(215977-03)



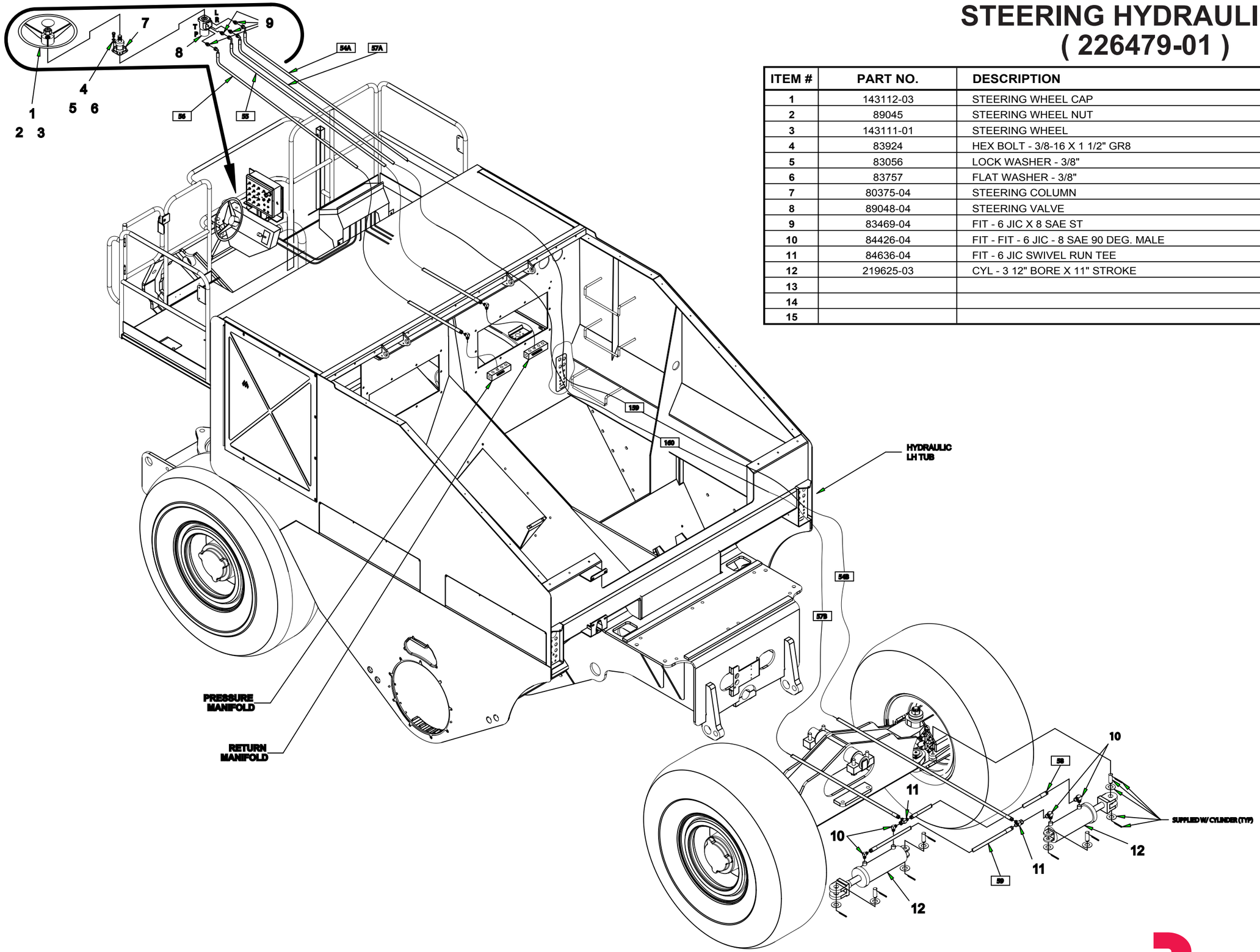
2 PIN LAY-OUT

PIN	COLOR
1	BLACK
2	BLUE

ITEM	PART #	DESCRIPTION	QTY
1	144981-04	SWITCH~ PRESSURE SP/ST 50 PSI	1
2	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
3	206401-04	SECONDARY LOCK	1
4	137176-04	DEUTSCH 16 AWG PIN	2

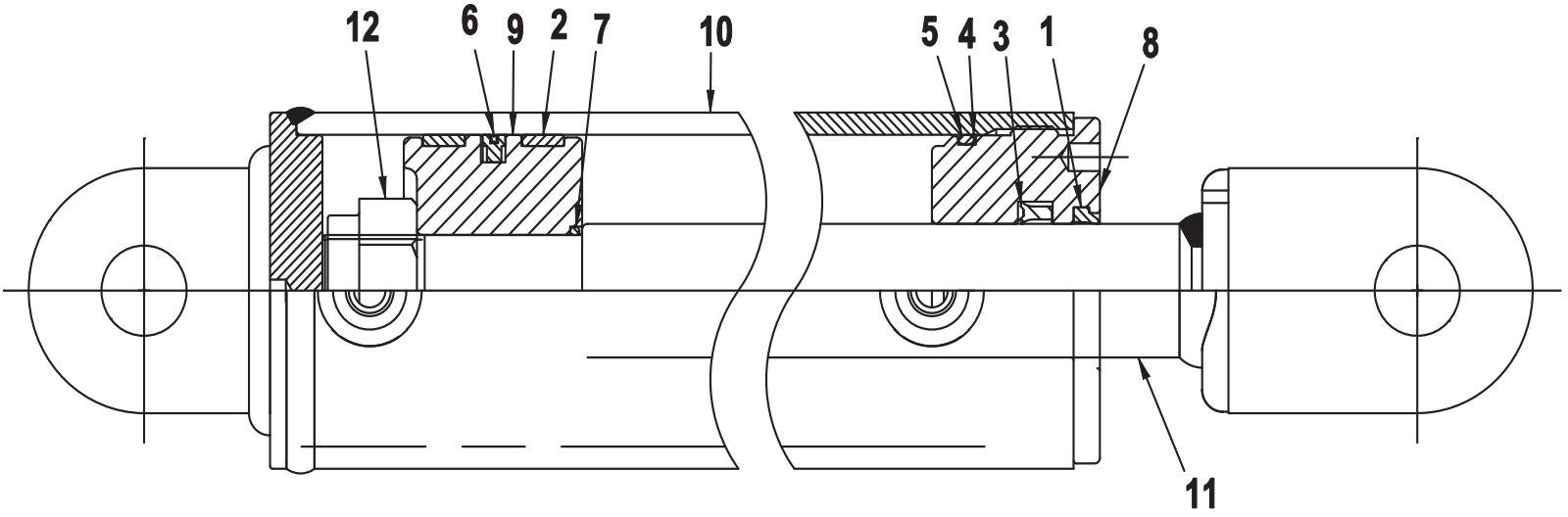
STEERING HYDRAULICS
(226479-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	143112-03	STEERING WHEEL CAP	REF
2	89045	STEERING WHEEL NUT	REF
3	143111-01	STEERING WHEEL	REF
4	83924	HEX BOLT - 3/8-16 X 1 1/2" GR8	4
5	83056	LOCK WASHER - 3/8"	4
6	83757	FLAT WASHER - 3/8"	4
7	80375-04	STEERING COLUMN	1
8	89048-04	STEERING VALVE	1
9	83469-04	FIT - 6 JIC X 8 SAE ST	4
10	84426-04	FIT - FIT - 6 JIC - 8 SAE 90 DEG. MALE	4
11	84636-04	FIT - 6 JIC SWIVEL RUN TEE	2
12	219625-03	CYL - 3 12" BORE X 11" STROKE	2
13			
14			
15			



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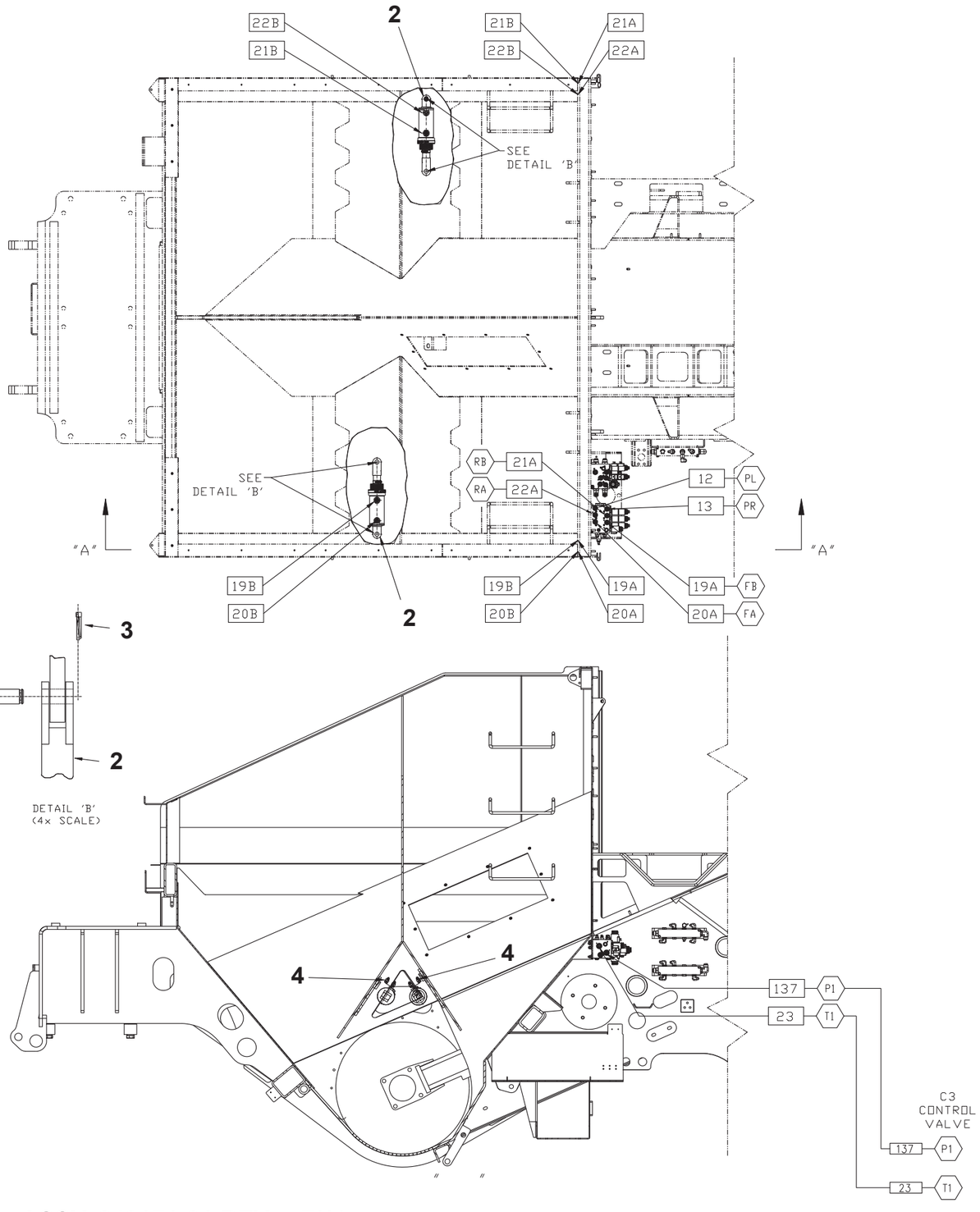
CYLINDER, STEERING
(219625-03)

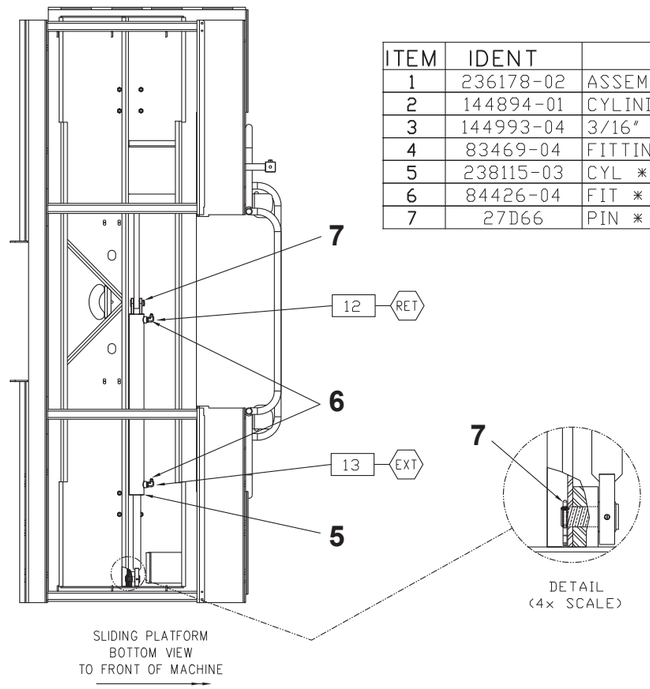


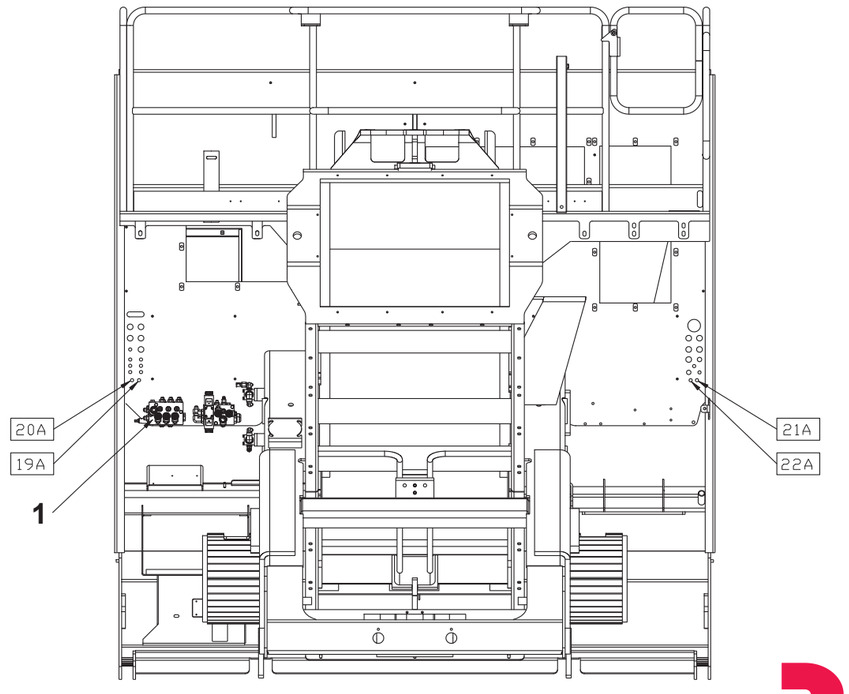
ITEM #	PART NO.	DESCRIPTION	QTY.
1	219625-03-C9	POLY PAK	1
2	219625-03-C10	WIPER	1
3	219625-03-C11	O-RING	1
4	219625-03-C12	FLAT WASHER	4
5	219625-03-C13	BACK-UP	1
6	219625-03-C14	WEAR BAND	2
7	219625-03-C15	PISTON SEAL	1
8	219625-03-C16	O-RING	1
9	219625-03-C2	COTTER PIN	4
10	219625-03-C3	HEAD	1
11	219625-03-C4	PISTON SEAL	1
12	219625-03-C5	TUBE	1
13	219625-03-C6	ROD	1
14	219625-03-C7	CLEVIS PIN	2
15	219625-03-C8	LOCK NUT	1
16	219625-03-C1	SEAL KIT	1
17			
18			
19			
20			

ASSY- SLIDE PLATFORM & FLOWGATE HYD'S.
(240171-01)

ITEM	IDENT	DESCRIPTION	QTY
1	236178-02	ASSEMBLY-FLOWGATE CONTROL MANIFOLD	1
2	144894-01	CYLINDER ~ 3.00 BORE X 5.00 STROKE	2
3	144993-04	3/16" LYNCH PIN	4
4	83469-04	FITTING ~ 8 SAE MALE x 6 JIC	4
5	238115-03	CYL * 2 1/2" BORE X 32" STROKE	1
6	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	2
7	27D66	PIN * COTTER 3/16" X 2"	2

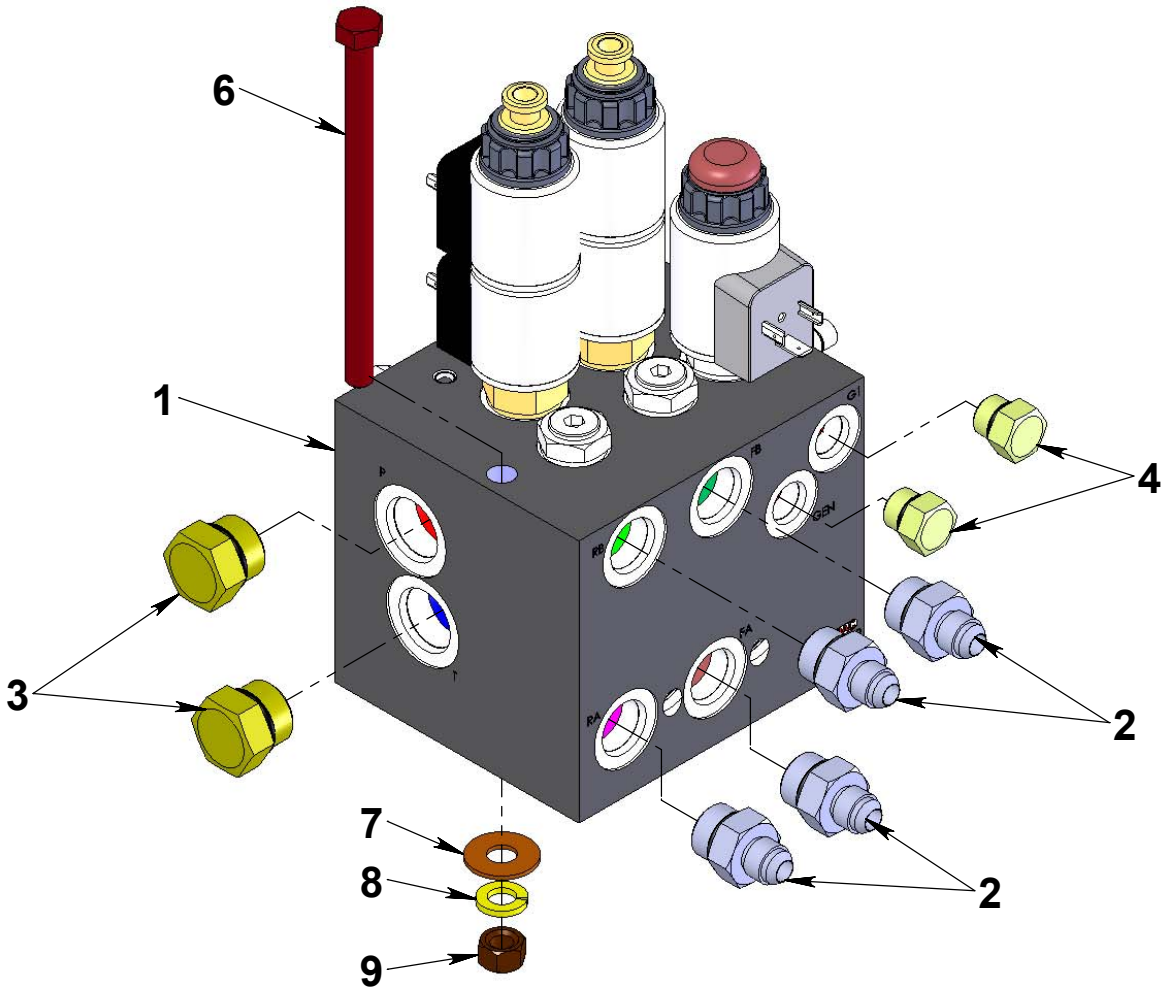






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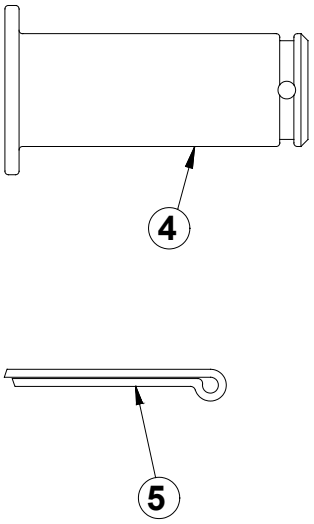
ASSEMBLY-FLOWGATE CONTROL MANIFOLD (236178-02)

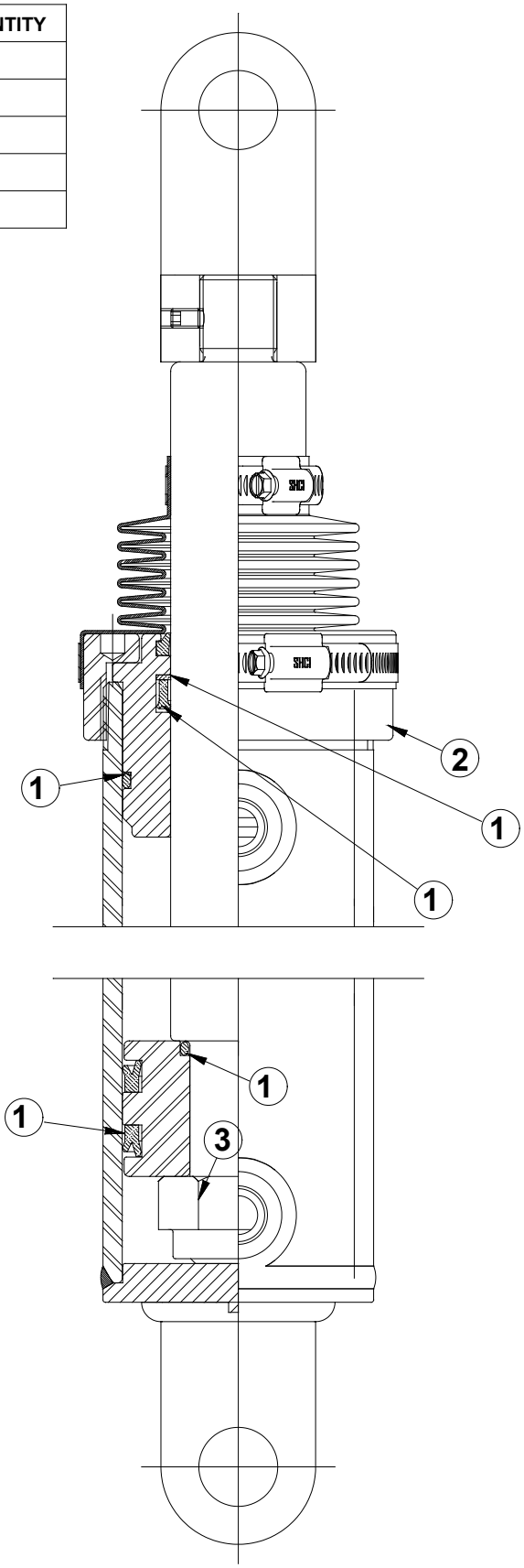


ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235754-01	MANIFOLD * FLOW GATES/ GEN 24V	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	4
3	89788-04	FIT ~ PLUG 10 SAE STEEL	2
4	84635-04	FIT * PLUG 6 SAE	2
5	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	2
6	146095	BOLT * HEX 3/8-16 X 5 1/2 GRADE 8	2
7	83757	WASHER ~ FLAT 3/8 STEEL	2
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
9	83055	NUT * 3/8-16 HEX GRADE 8	2

CYLINDER, FLOWGATE
(144894-01)

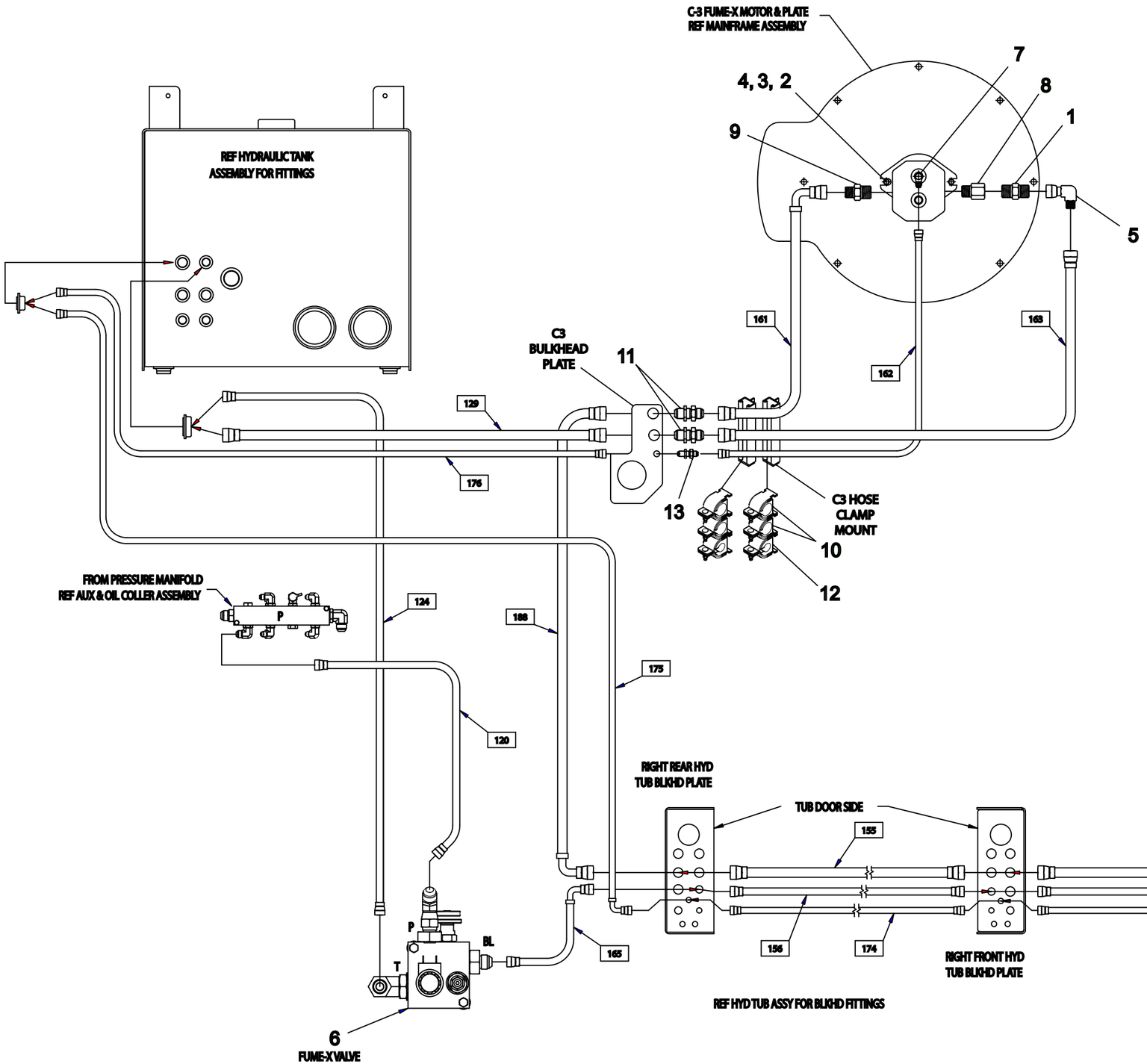
ITEM	ROADTEC PART NO.	DESCRIPTION	QUANTITY
1	144894-01-C1	SEAL KIT	1
2	125383-04-C2	HEADCAP	1
3	144894-01-C2	1-1/4" LOCK NUT	1
4	144894-01-C3	CLEVIS PIN	2
5	144993-04	COTTER PIN	2

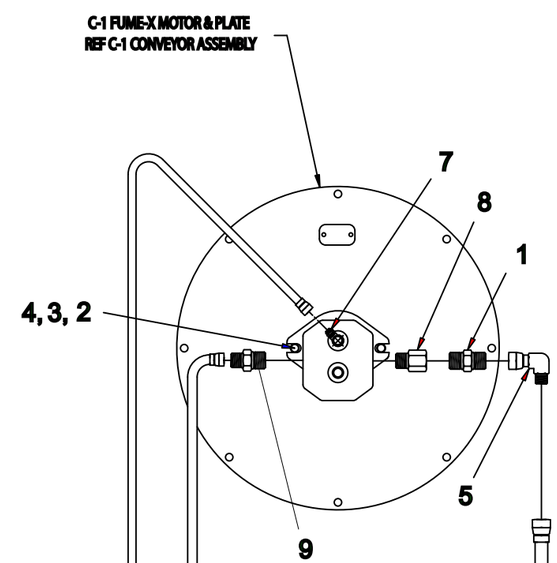




FUME CONTROL HYDRAULICS
(236280-02)

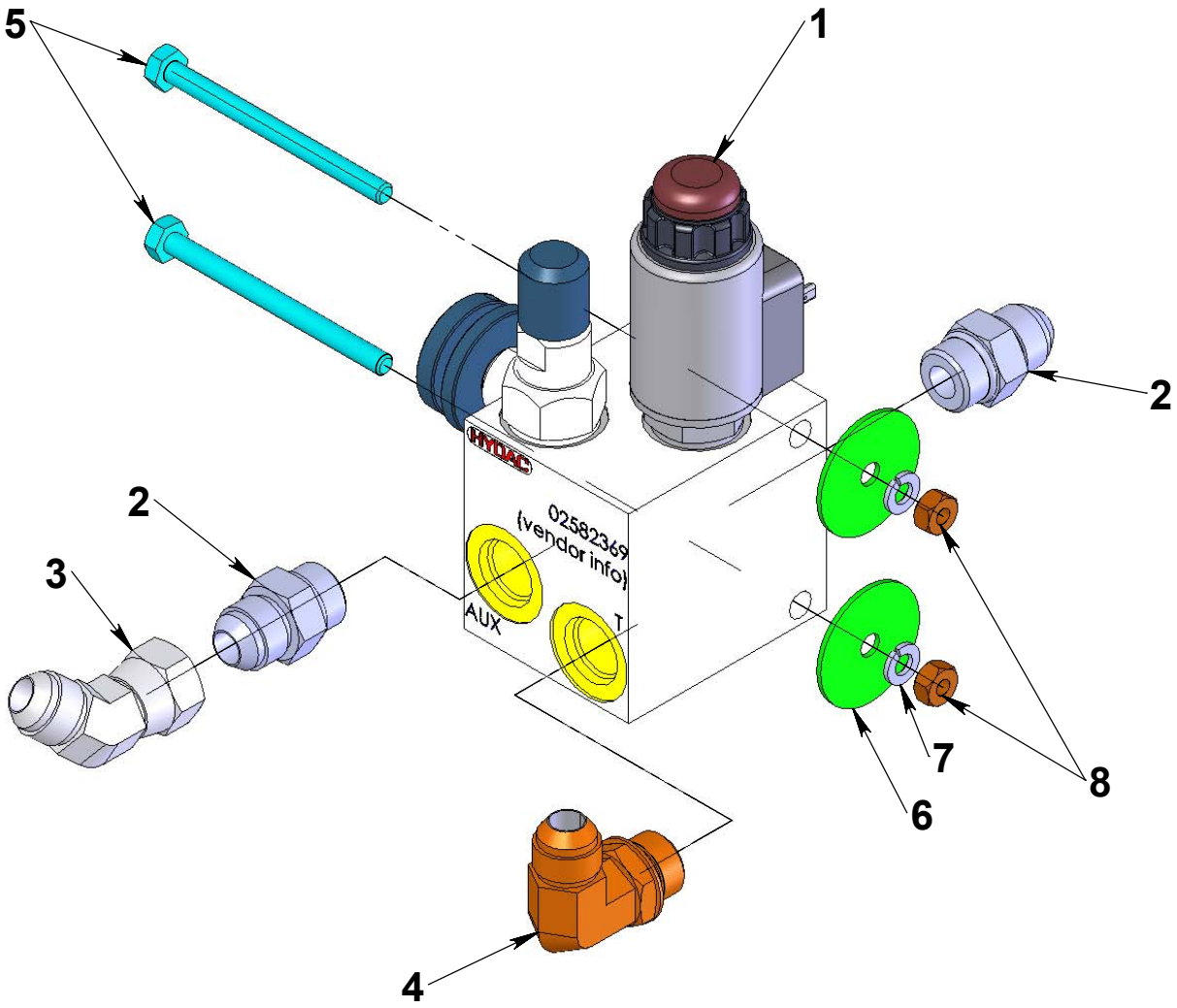
ITEM #	PART NO.	DESCRIPTION	QTY.
1	142848-04	VALVE - CHECK 3000 PSI 100 CP	2
2	96476	HEX BOLT - 3/8-16 X 1 1/4"	4
3	83757	FLAT WASHER - 3/8" STEEL	8
4	93175	JAM NUT - 3/8-16 UNC	4
5	83764-04	FIT - 12 JIC SW 90 DEG. ELBOW	2
6	236180-03	ASSY - FUME EXTRACTION MANIFOLD	1
7	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	2
8	89786-04	FIT - ADAPTER 10 SAE M - 12 SAE F	1
9	83704-04	FIT - 10 SAE X 8 JIC M ST CONNECTOR	2
10	149015	CLAMP - MOUNTING FOR 1 1/8" OD HOSE	4
11	83476-04	FIT - BULKHEAD UNION 12 JIC	2
12	237281-04	CLAMP - MOUNTING FOR 11/16" OD HOSE	2
13	83475-04	FIT - BULKHEAD UNION 6 JIC ST	1
14			
15			





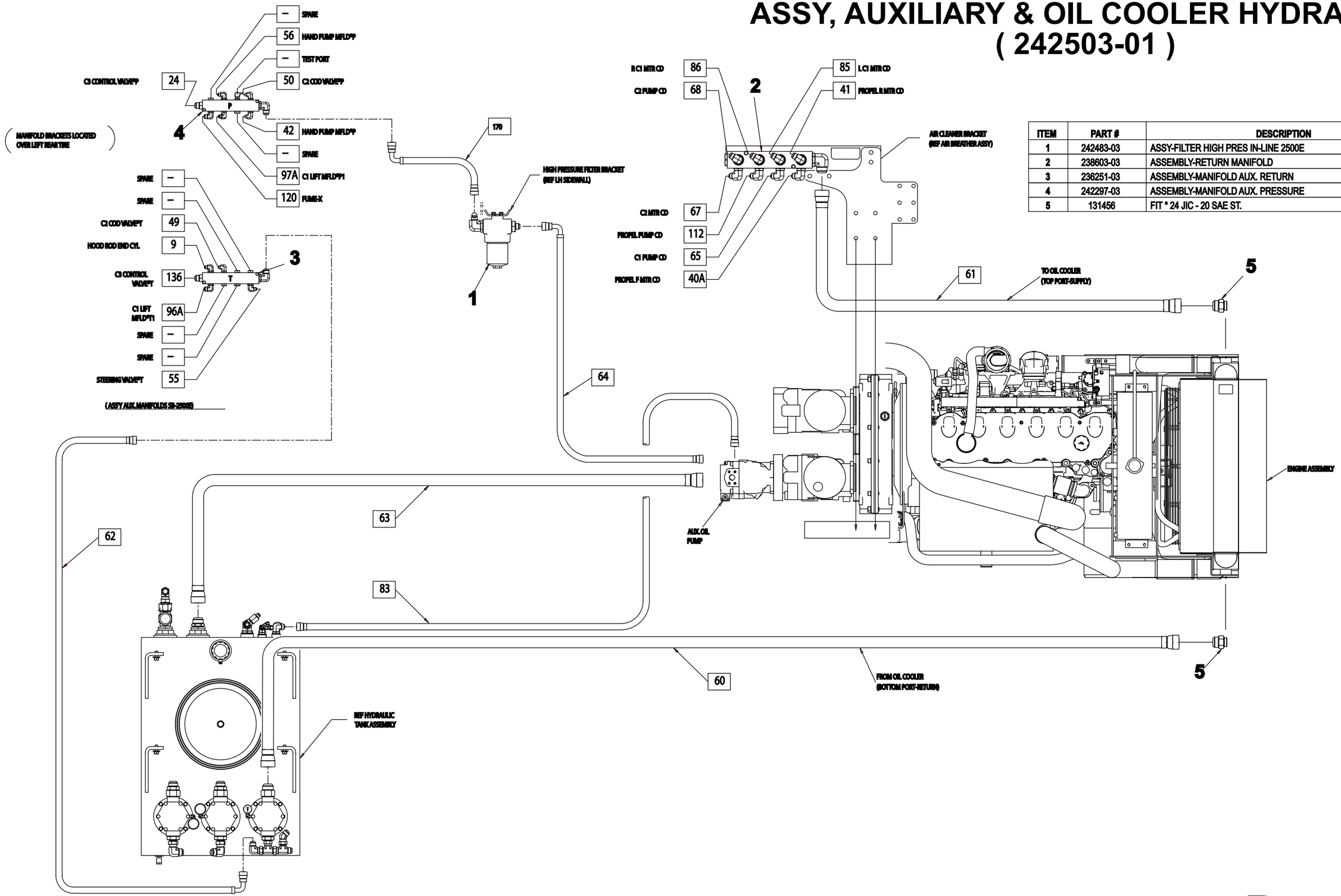
ROADTEC
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ASSEMBLY-FUME EXTRACTION MANIFOLD (236180-03)



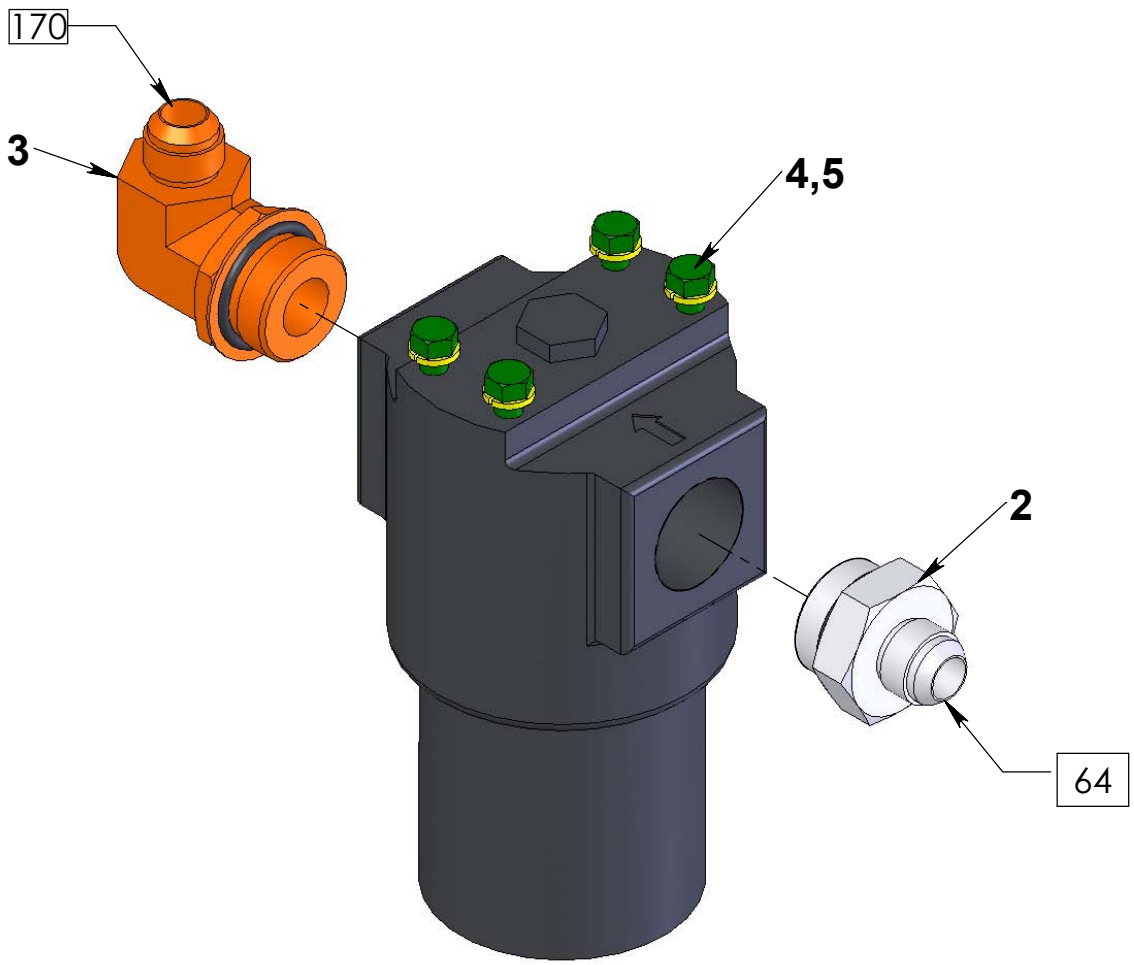
ITEM #	PART #	DESCRIPTION	QTY
1	235756-01	MANIFOLD * FXS 24V	1
2	83459-04	FIT ~ CONNECTOR 8 JIC x 8 SAE MALE	2
3	85218-04	FIT * ELBOW SWIVEL 8 JIC 45 DEG.	1
4	83460-04	FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL	1
5	26L56	BOLT * HEX 1/4"-20 X 3 1/4"	2
6	120206	WASHER * FENDER 1/4"	2
7	83065	WASHER ~ LOCK 1/4" SPRING STEEL	2
8	89772	NUT * 1/4"-20 HEX GRADE 8	2

ASSY, AUXILIARY & OIL COOLER HYDRAULICS
(242503-01)



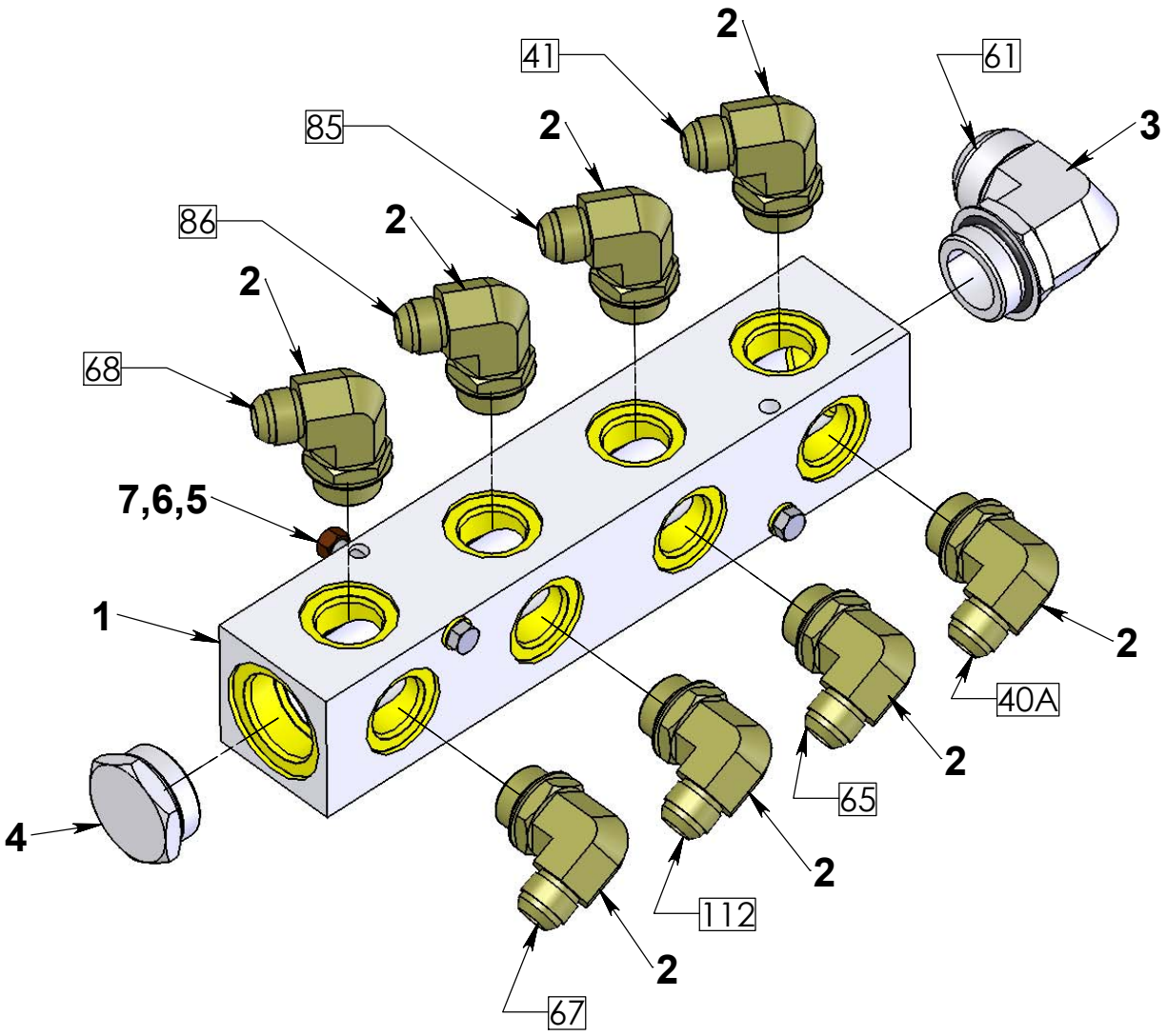
ITEM	PART #	DESCRIPTION	QTY
1	242483-03	ASSY-FILTER HIGH PRES IN-LINE 2500E	1
2	238603-03	ASSEMBLY-RETURN MANIFOLD	1
3	236251-03	ASSEMBLY-MANIFOLD AUX. RETURN	1
4	242297-03	ASSEMBLY-MANIFOLD AUX. PRESSURE	1
5	131456	FIT * 24 JIC - 20 SAE ST.	2

ASSY-FILTER HIGH PRESS. IN-LINE 2500E (242483-03)



ITEM #	PART #	DESCRIPTION	QTY
1	142799-03	FILTER ~ HIGH PRESSURE IN-LINE	1
2	120671	FIT ~ 12 JIC x 20 SAE ST.	1
3	142927	FIT ~ 12 JIC - 20 SAE 90 DEG.ELBOW	1
4	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
5	142926	BOLT * HEX 3/8-24 X 1 GD.8	4

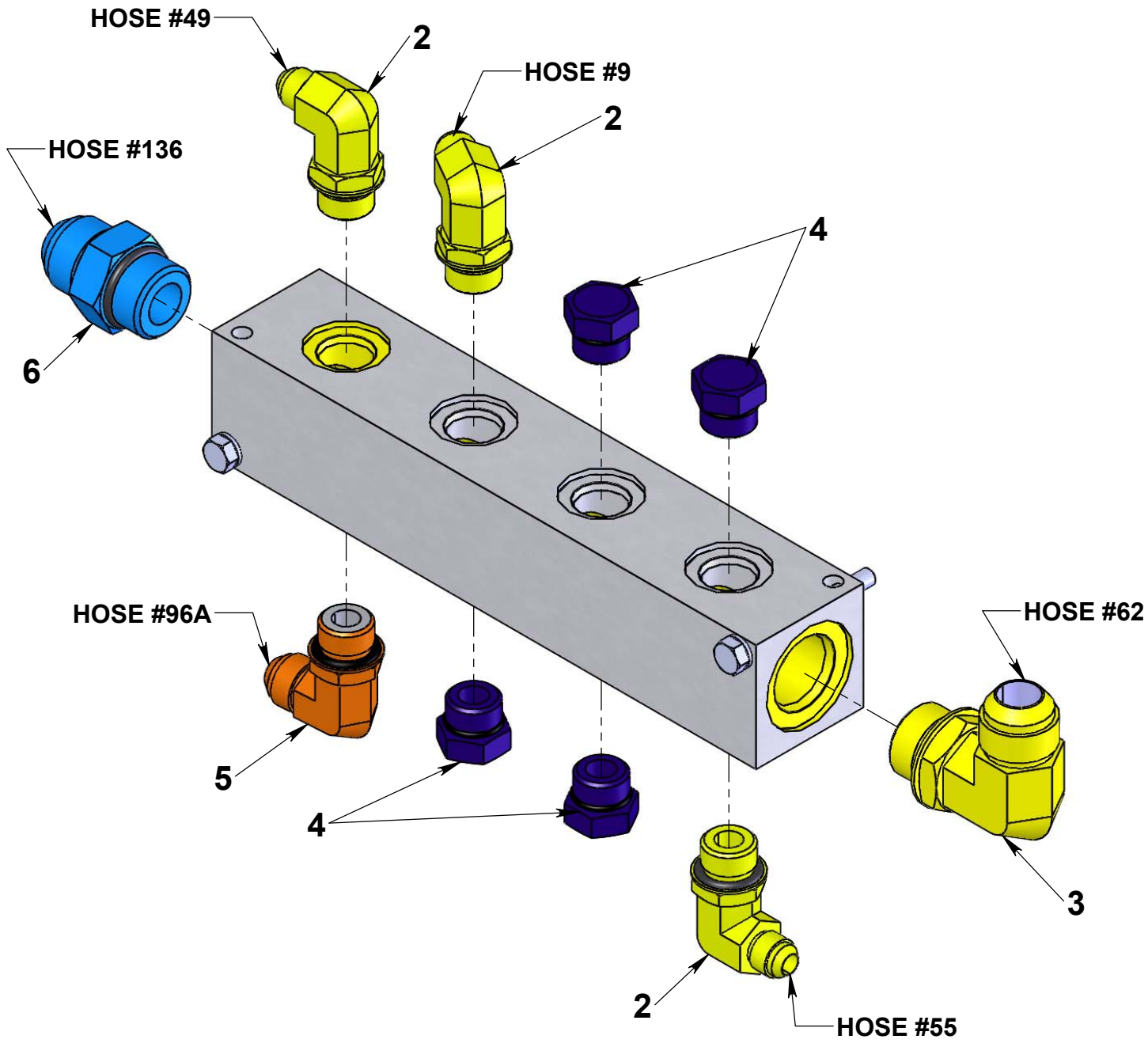
ASSEMBLY-RETURN MANIFOLD
(238603-03)



XX **HOSE NUMBER**

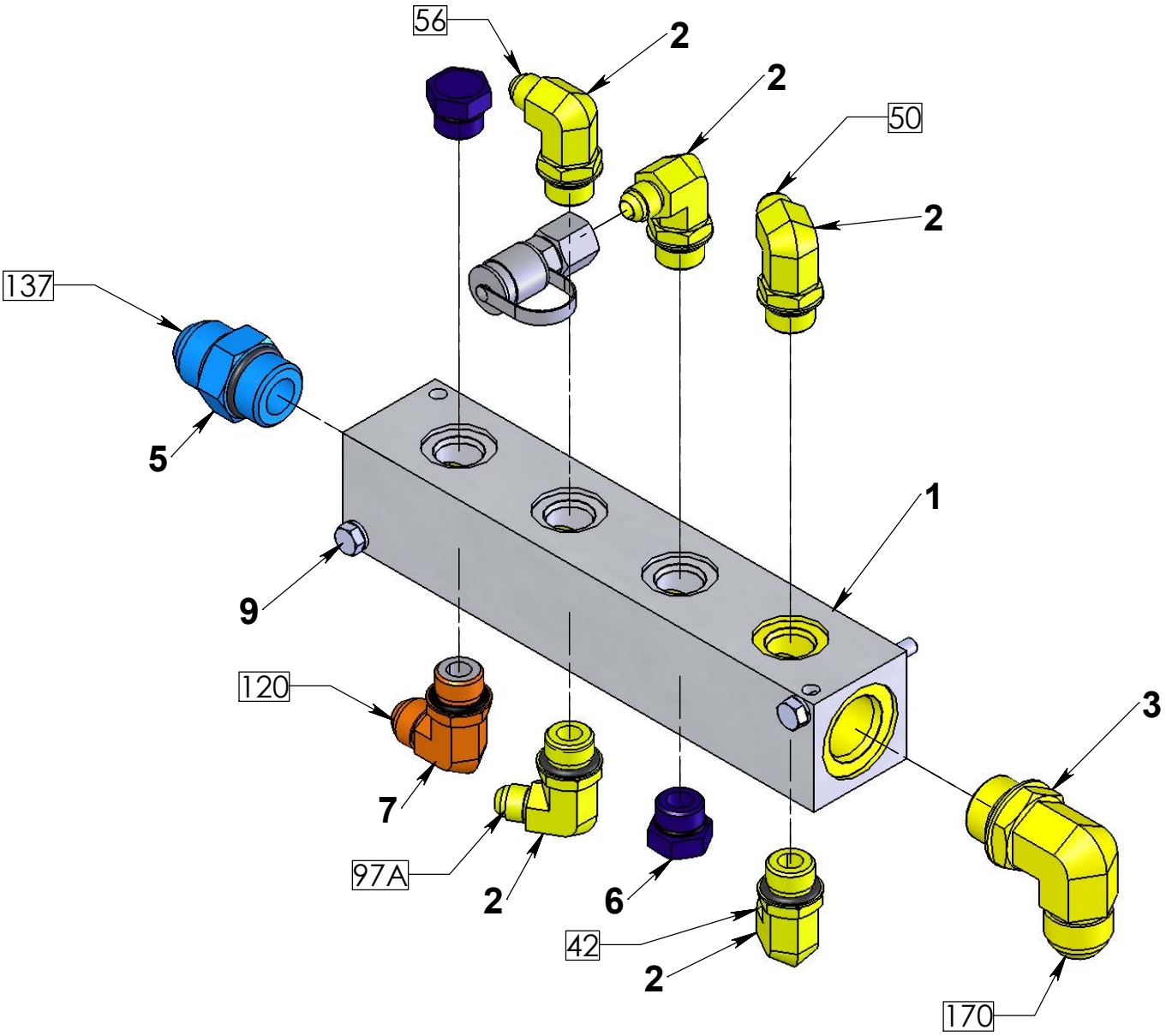
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	238594-03	MANIFOLD *90° HEADER (16 SAE PORTS)	1
2	85875-04	FIT * ELBOW 12 JIC M - 16 SAE 90	8
3	130099	FITTING * 24 JIC - 24 SAE 90 ELBOW	1
4	201954	FITTG * 24 SAE PLUG	1
5	12D09	BOLT * HEX 3/8"-16 X 3 3/4"	2
6	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
7	83055	NUT * 3/8-16 HEX GRADE 8	2

ASSEMBLY-MANIFOLD AUX. RETURN (236251-03)



ITEM #	PART #	DESCRIPTION	QTY
1	206522-03	180 DEGREE MANIFOLD BLOCK	1
2	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	3
3	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	1
4	83767-04	FIT ~ PLUG 8 SAE	4
5	83460-04	FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL	1
6	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	1
7	83065	WASHER ~ LOCK 1/4" SPRING STEEL	2
8	85563-04	BOLT * HEX 1/4"-20 X 2 1/2"	2

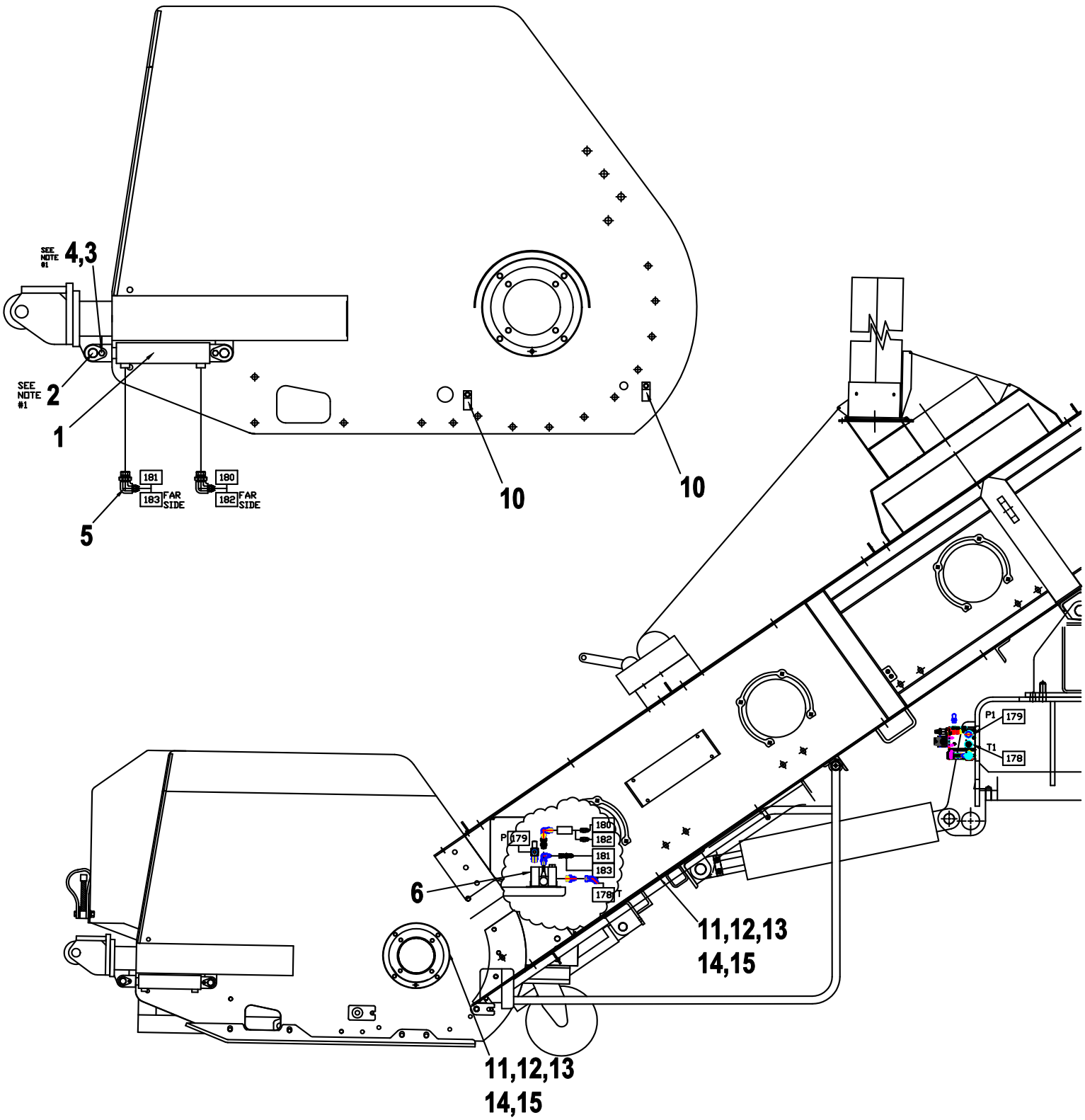
ASSEMBLY-MANIFOLD AUX. PRESSURE (242297-03)



XX **HOSE NUMBER**

ITEM #	PART #	DESCRIPTION	QTY
1	206522-03	180 DEGREE MANIFOLD BLOCK	1
2	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	5
3	91664-04	FIT - ELBOW 12 JIC - 12 SAE 90 DEG.	1
4	140303-04	FIT * TEST PORT 9KPSI #6 JIC FS	1
5	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	1
6	83767-04	FIT ~ PLUG 8 SAE	2
7	83460-04	FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL	1
8	83065	WASHER * LOCK 1/4" SPRING STEEL	2
9	85563-04	BOLT * HEX 1/4"-20 X 2 1/2"	2

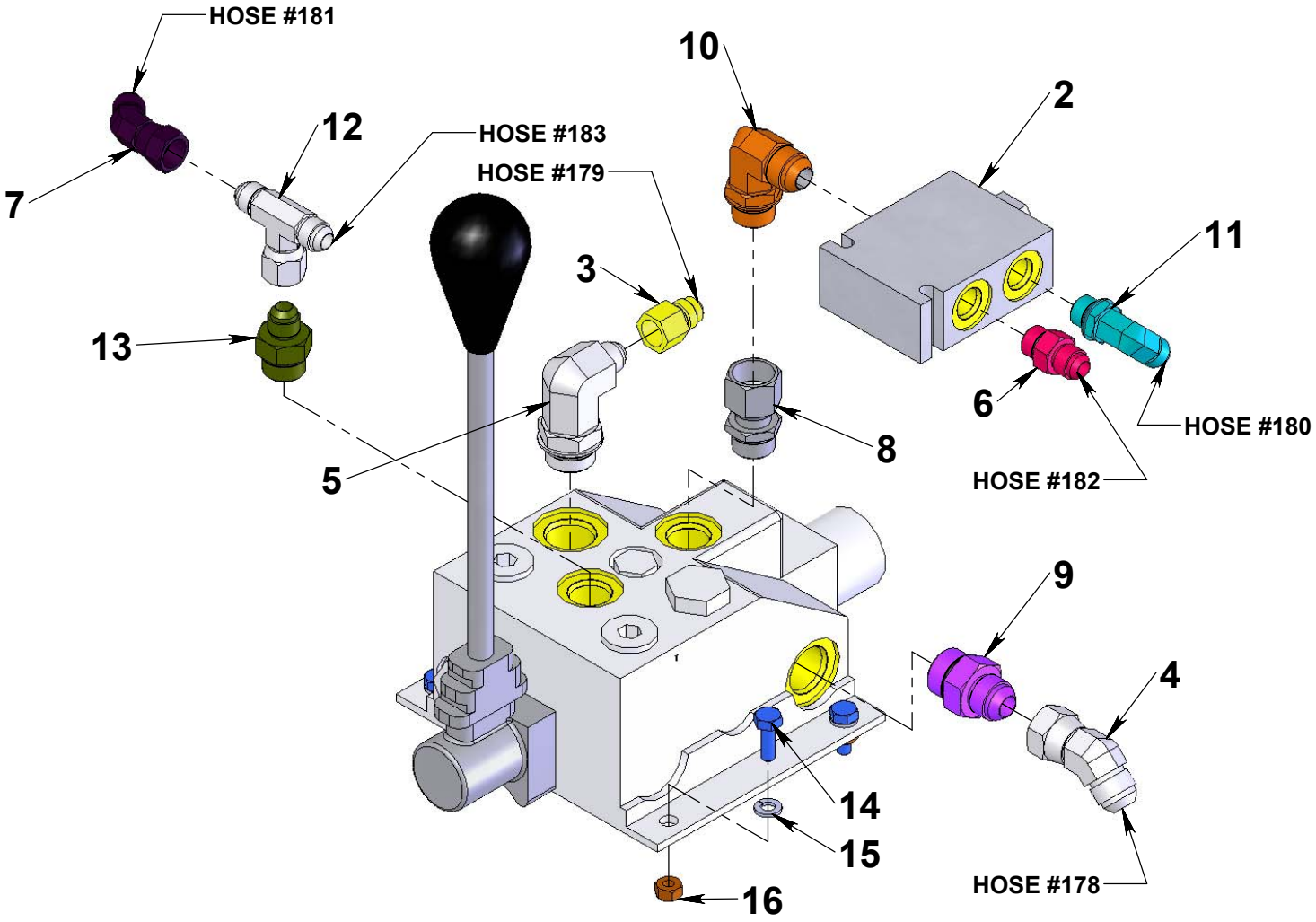
PUSH ROLLER HYDRAULICS
(209080-01)



PUSH ROLLER HYDRAULICS
(209080-01)

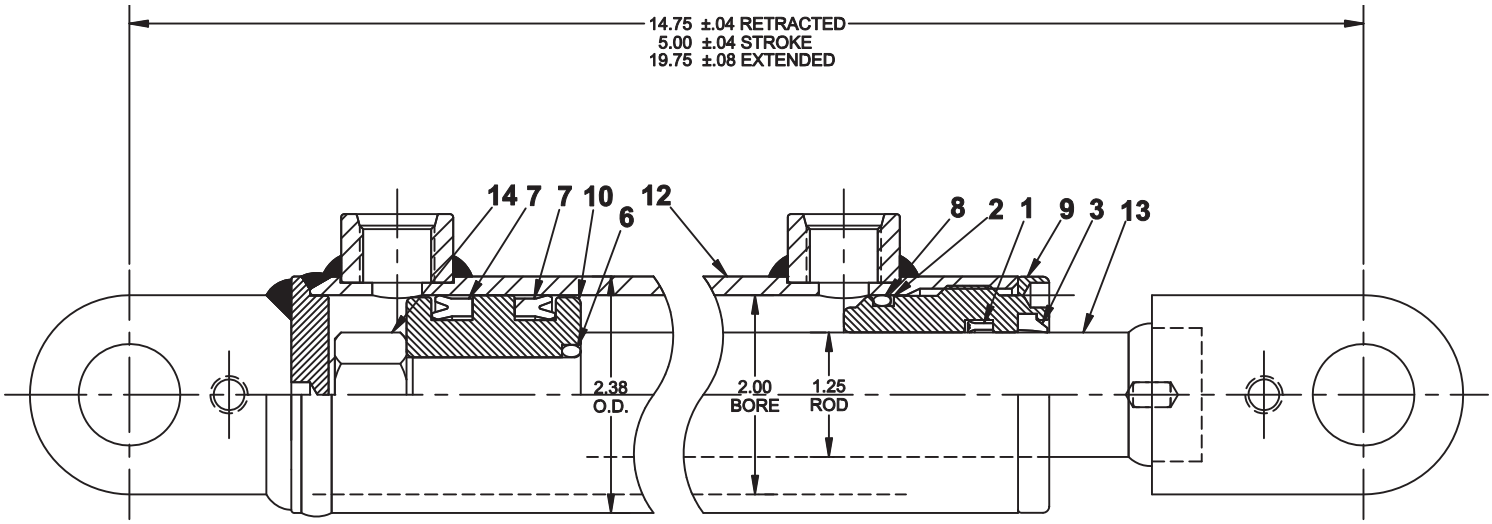
ITEM #	PART NO.	DESCRIPTION	QTY.
1	147955-03	CYLINDER - 2.00 BORE X 5.00 STROKE	2
2			
3			
4			
5	84426-04	FIT - ELBOW 90 DEG - 8 SAE X 6 JIC MALE	4
6	209079-02	PUSH ROLLER MANIFOLD SUB-ASSY.	1
7			
8			
9	99965	CLAMP - 2" RUBBERIZED TUBE	4
10	147412-04	CLAMP - 1 9/16" HOSE X 3/8" BOLT	5
11	89773	HEX BOLT - 1/4-20 X 1" GR8	5
12	84444	FLAT WASHER - 1/4" STEEL	10
13	83065	LOCK WASHER - 1/4" SPRING STEEL	5
14	89772	HEX NUT - 3/8-16 GR8	5
15			

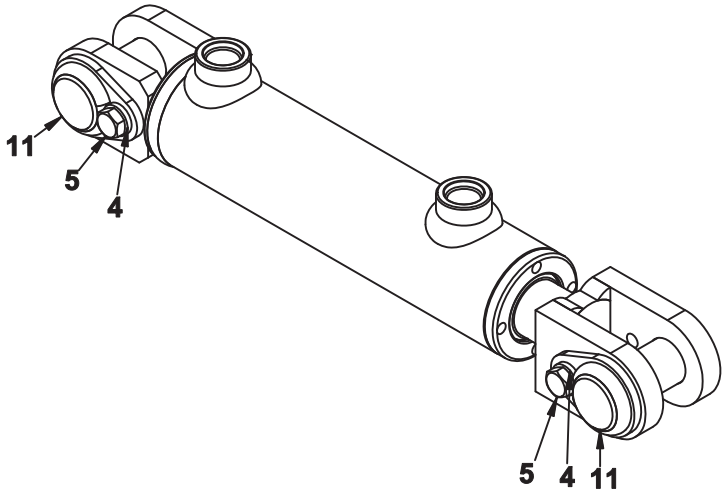
ASSY-PUSH ROLLER MANIFOLD
(209079-02)



ITEM #	PART #	DESCRIPTION	QTY
1	137458-04	VALVE * V10 MANUAL DIR. CONTROL	1
2	200791-03	VALVE * FLOW DIVIDER, 12 GPM	1
3	135775-04	FIT * RESTRICTOR 6 JIC X 1/16 ORIF	1
4	85218-04	FIT * ELBOW SWIVEL 8 JIC 45 DEG.	1
5	92987	FIT ~ 6 JIC x 10 SAE 90 DEG.	1
6	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	1
7	90768-04	FIT * CONNECTOR 6 JIC 45 DEG. SW.	1
8	122168	FIT * 8 SAE M. - 8 JIC F. SWIVEL	1
9	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	1
10	83460-04	FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL	1
11	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	1
12	89598	FIT * SWIVEL BRANCH TEE 6 JIC	1
13	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	1
14	89988-04	BOLT * HEX 1/4"-20 X 3/4"	4
15	83065	WASHER ~ LOCK 1/4" SPRING STEEL	4
16	89772	NUT * 1/4"-20 HEX GRADE 8	4

CYLINDER, PUSH ROLLER
(147955-03)

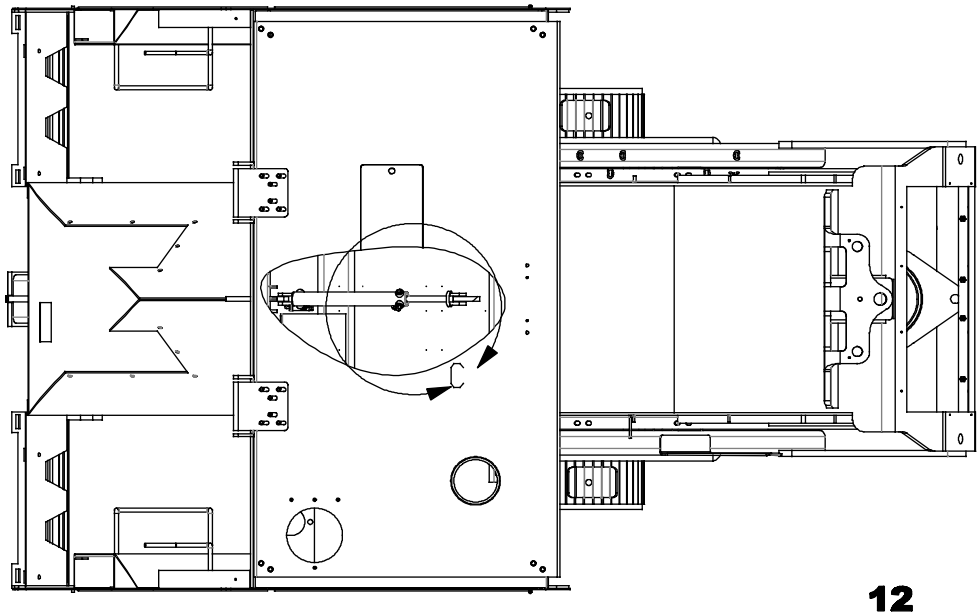


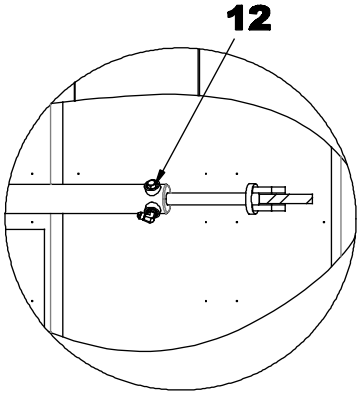


ITEM #	PART NO.	DESCRIPTION	QTY.
1	147955-03-C8	POLY PAK	1
2	147955-03-C9	BACK UP	1
3	147955-03-C10	WIPER	1
4	147955-03-C11	LOCK WASHER	2
5	147955-03-C12	HEX BOLT	2
6	147955-03-C13	O-RING	1
7	147955-03-C14	U-CUP	2
8	147955-03-C15	O-RING	1
9	147955-03-C2	HEAD	1
10	147955-03-C3	PISTON	1
11	147955-03-C4	CLEVIS PIN	2
12	147955-03-C5	TUBE	1
13	147955-03-C6	ROD	1
14	147955-03-C7	LOCK NUT	1
15	147955-03-C1	SEAL KIT	

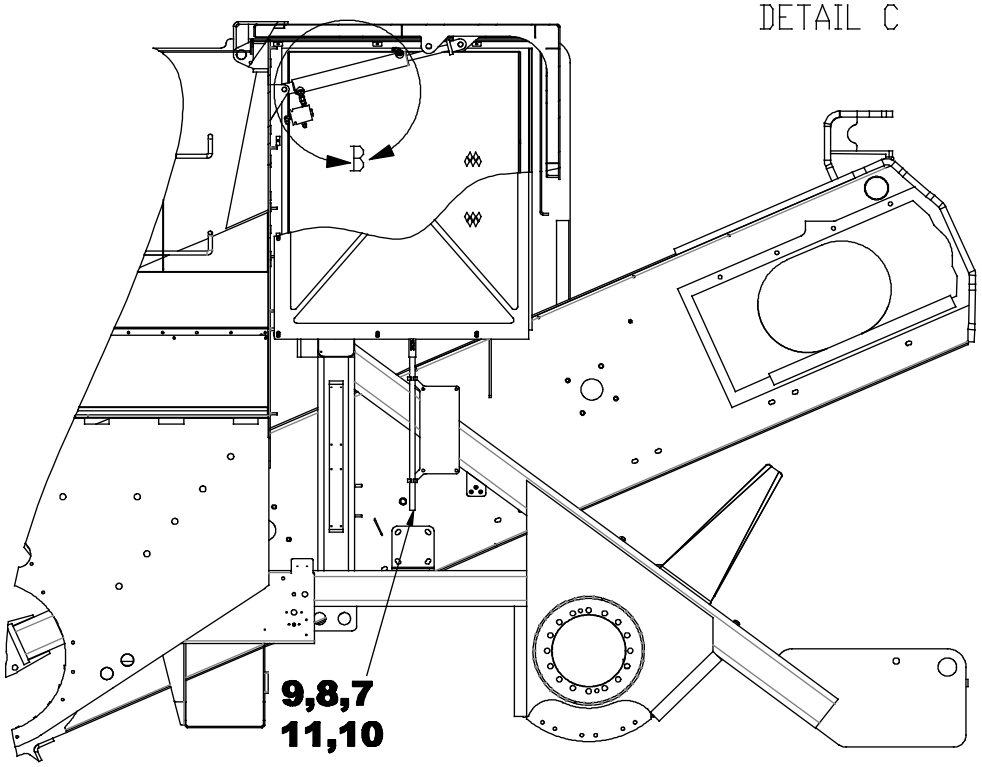
HOOD RAISE HYDRAULICS
(204266-01)

NEXT PAGE



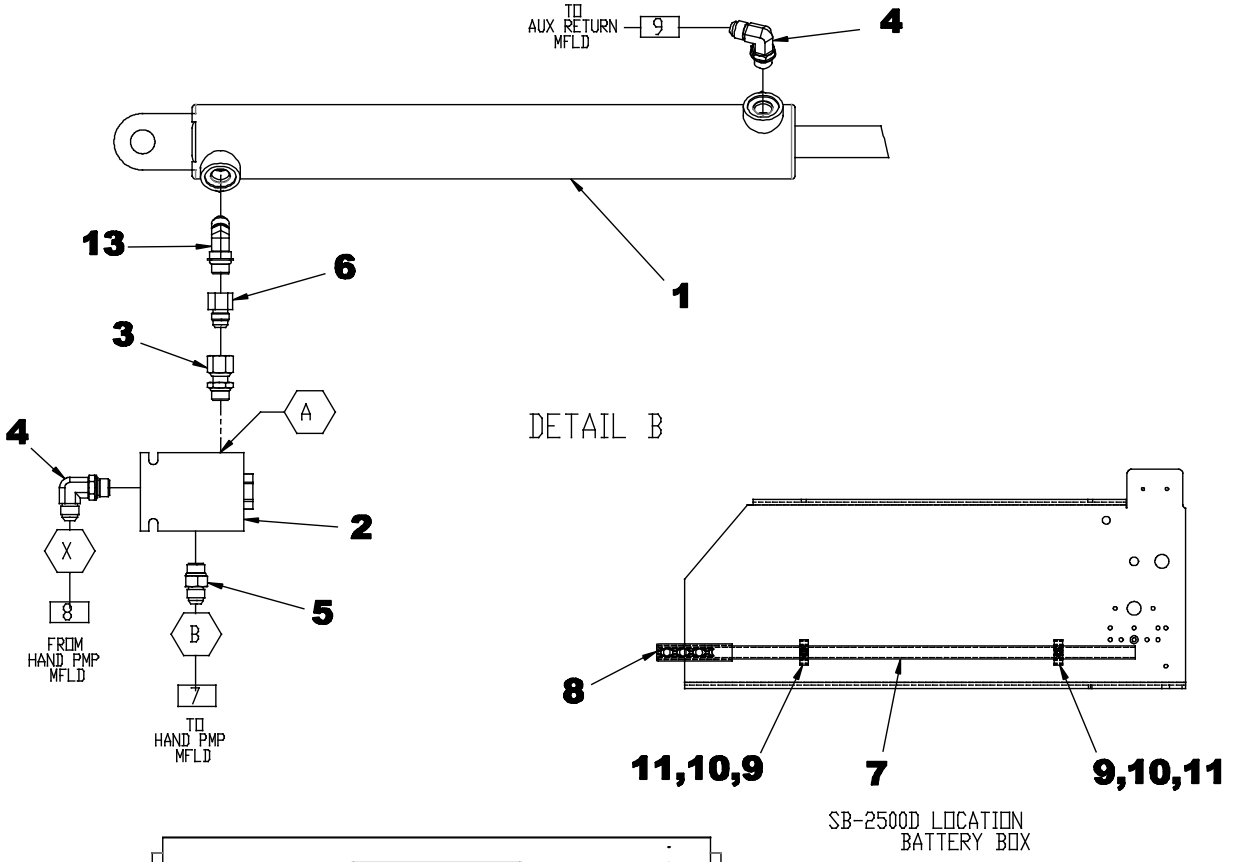


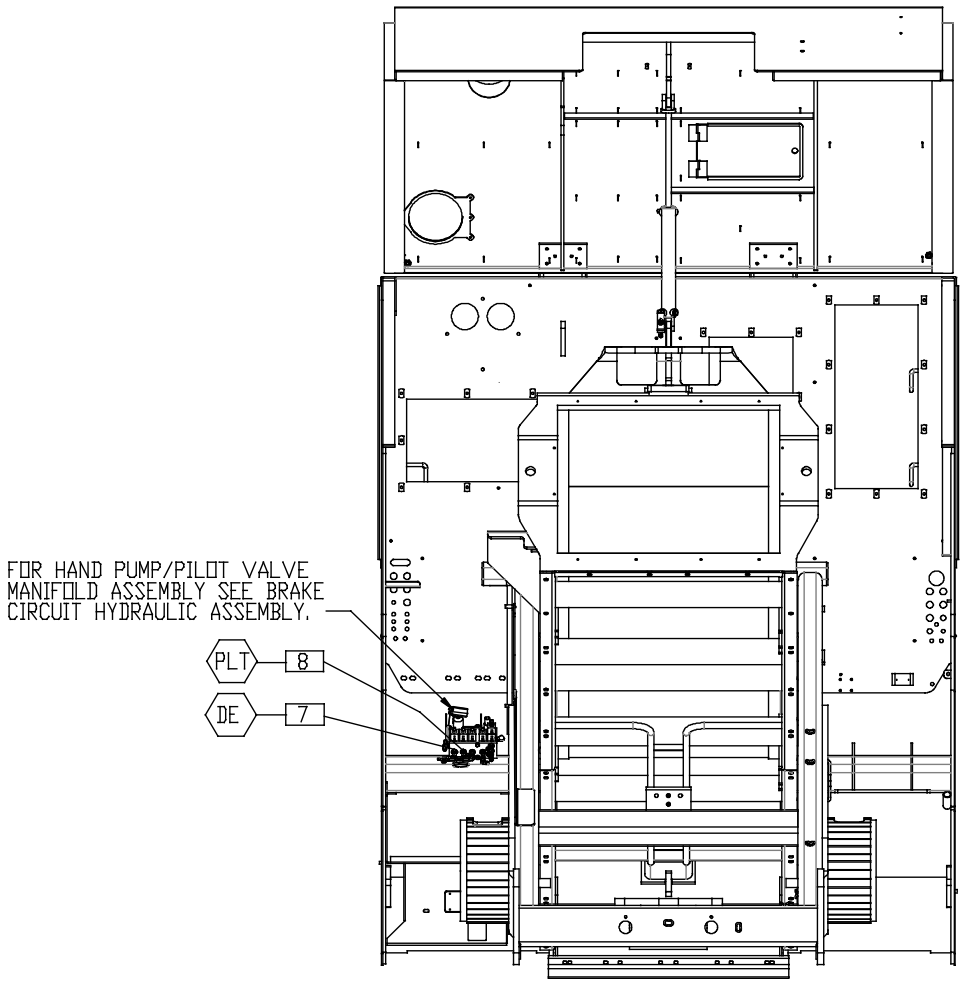
DETAIL C



SB-1500D LOCATION BATTERY BOX
(SOME PARTS NOT SHOWN FOR CLARITY)

HOOD RAISE HYDRAULICS
(204266-01)

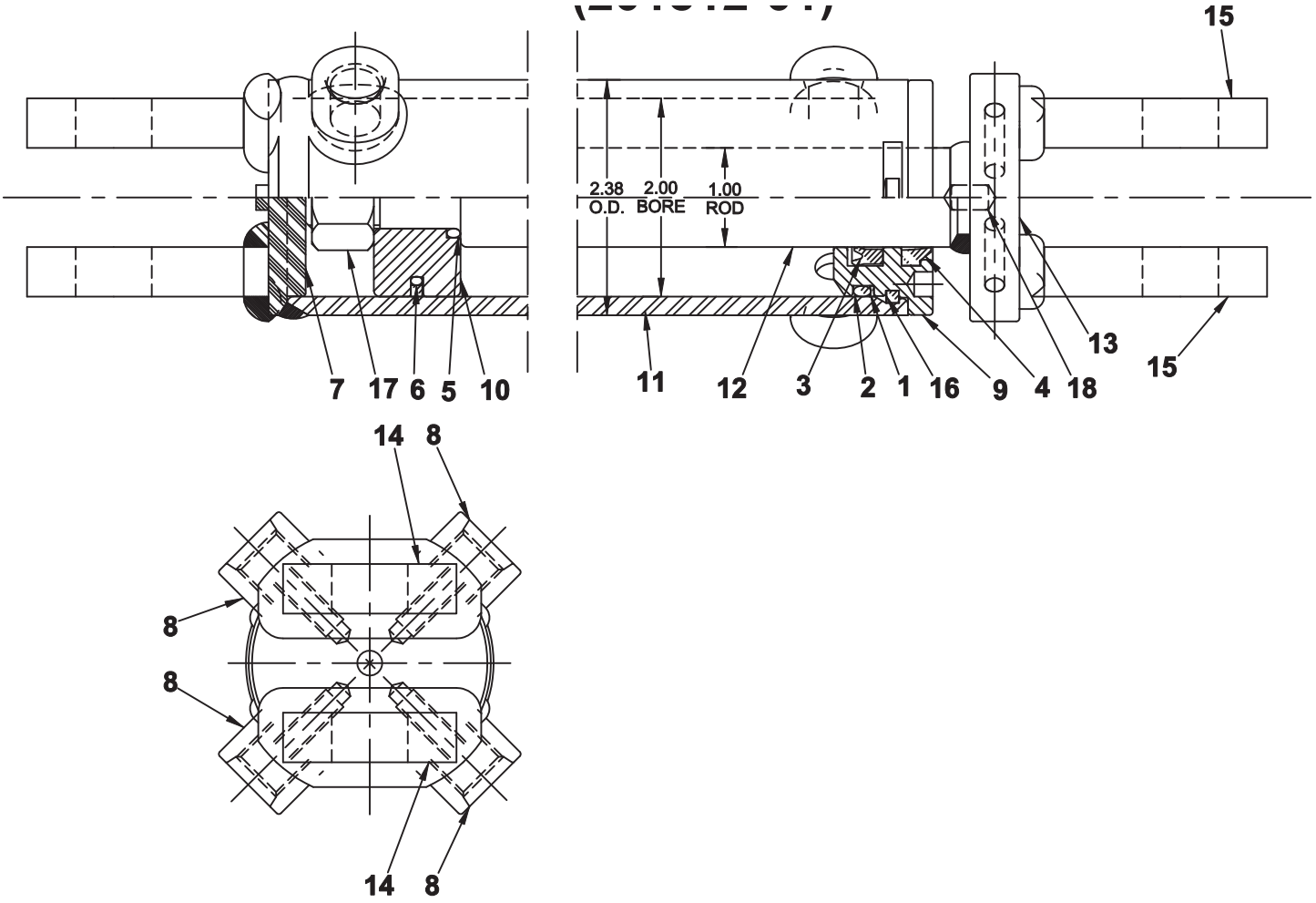




HOOD RAISE HYDRAULICS
(204266-01)

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

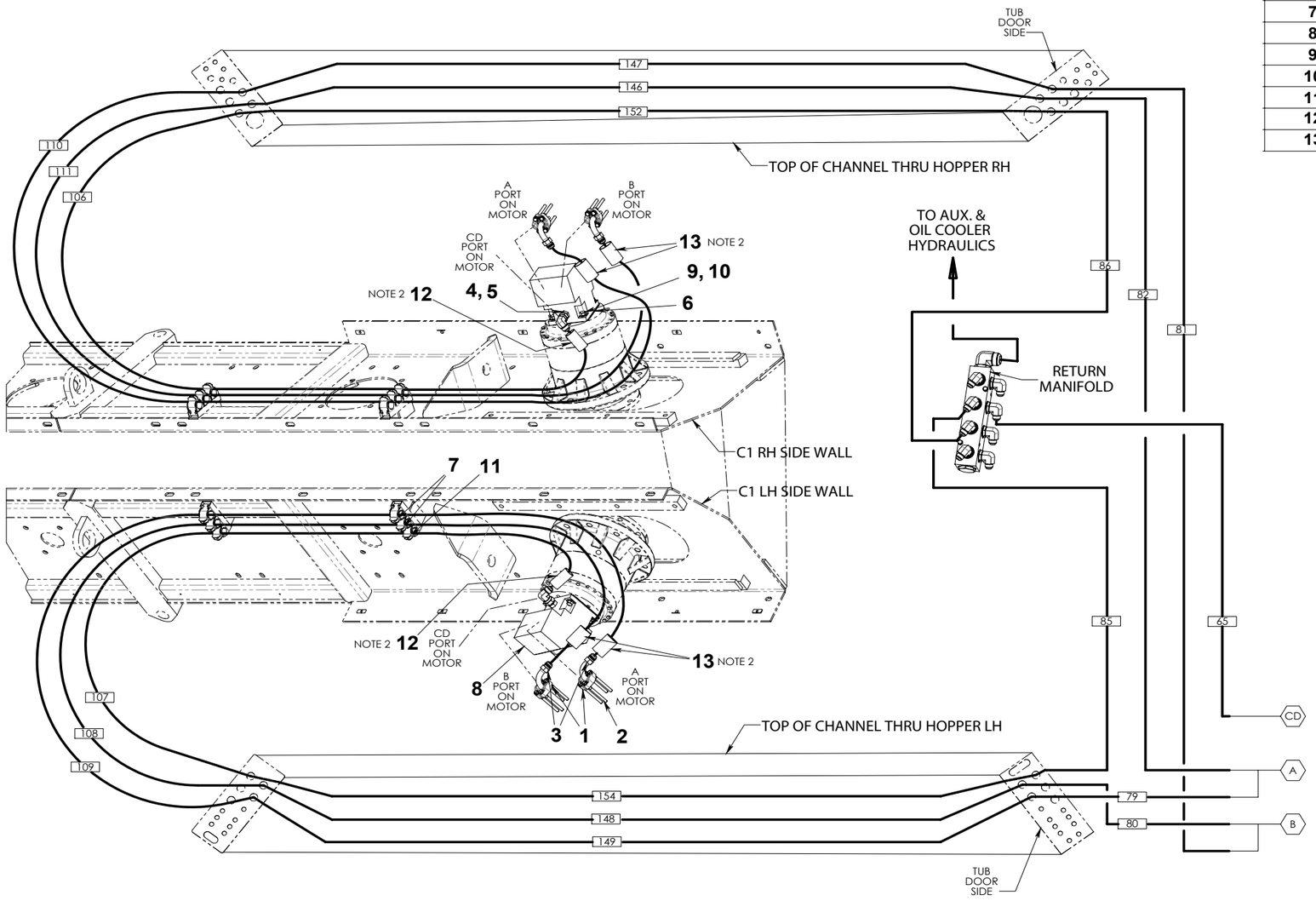
CYLINDER, HOOD RAISE
(201812-01)

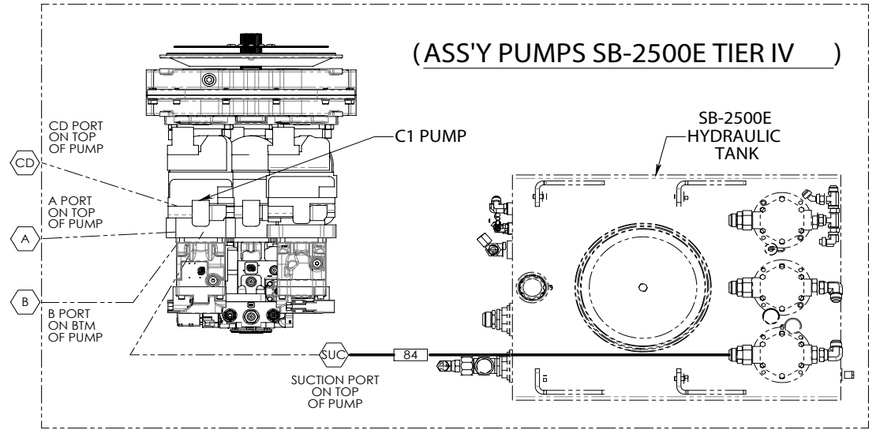


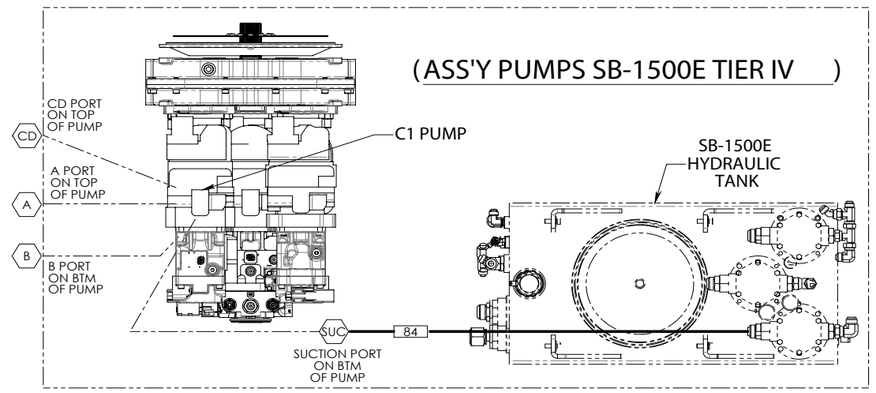
ITEM #	PART NO.	DESCRIPTION	QTY.
1	201812-01-C14	BACK-UP	1
2	201812-01-C15	O-RING	1
3	201812-01-C16	U-CUP	1
4	201812-01-C17	WIPER	1
5	201812-01-C18	O-RING	1
6	201812-01-C19	PISTON SEAL	1
7	201812-01-C2	BASE PLATE	1
8	201812-01-C3	PORT	4
9	201812-01-C4	HEAD	1
10	201812-01-C5	PISTON	1
11	201812-01-C6	TUBE	1
12	201812-01-C7	ROD	1
13	201812-01-C8	CLEVIS BASE	1
14	201812-01-C9	LUG	2
15	201812-01-C10	LUG	2
16	201812-01-C11	RETAINER RING	1
17	201812-01-C12	LOCKNUT	1
18	201812-01-C13	DOWEL PIN	1
19	201812-01-C1	SEAL KIT	1
20			

ASSY- C1 DRIVE HYDRAULICS
(239586-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	86076-04	KIT * FLANGE #12 CODE 62	4
2	89986-04	BOLT * HEX 3/8"-16 X 4 1/2"	16
3	83890-04	FIT * 12 JIC-12 FLG 90 CODE 62	4
4	83764-04	FIT * ELBOW 12 JIC M 90 FM SWIVEL	2
5	83705-04	FIT ~ CONNECTOR 12 JIC x 10 SAE M.	2
6	130086-C1	GASKET * FOR AUSCO BRAKE	2
7	11K76	CLAMP * MOUNTING FOR 1 1/4" O.D. HOSE	8
8	142642-04	HYD-MOTOR - 60cc W/ CROSS PORT RELIEF	2
9	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	8
10	05707	WASHER ~ CONICAL HS12 6796 STEEL	8
11	149015	CLAMP * MOUNTING FOR 1 1/8" OD. HOSE	4
12	232004-01-11	INSULATION, 1 7/16" I.D. HOSE SLEEVE, Nylon X 48"	2
13	232004-01-12	INSULATION, 1 13/16" I.D. HOSE SLEEVE, Nylon X 48"	4

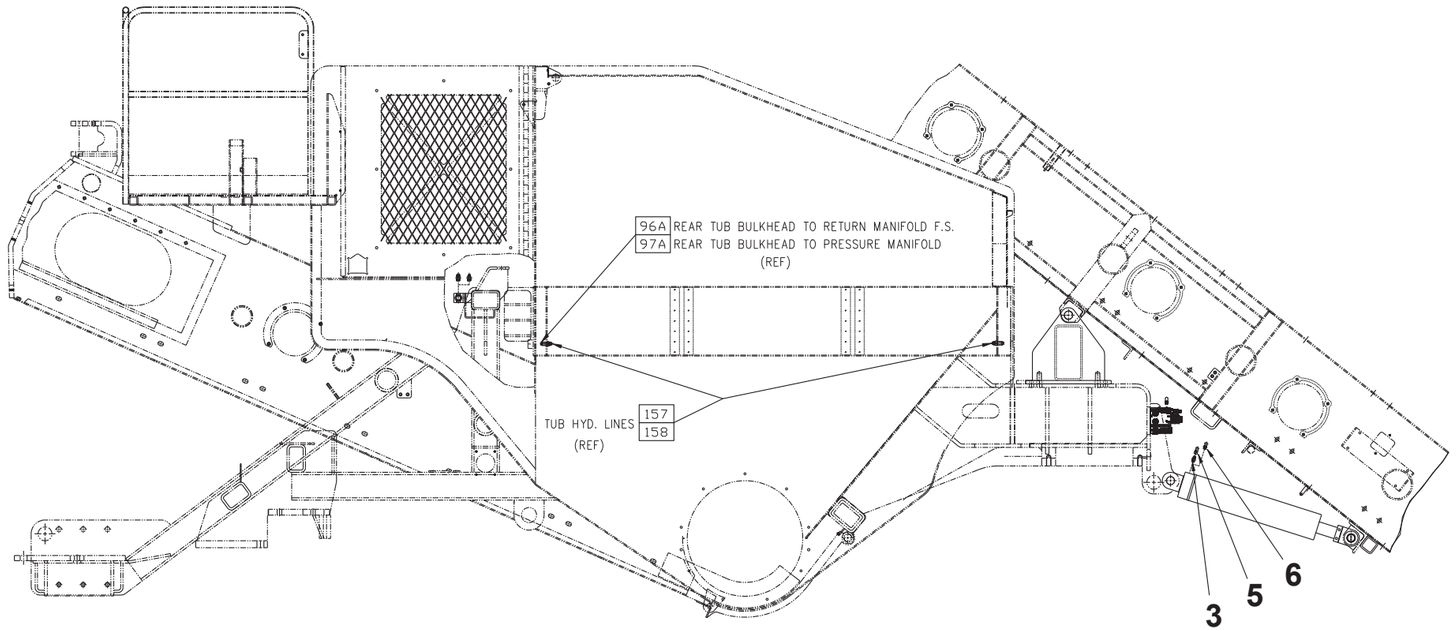


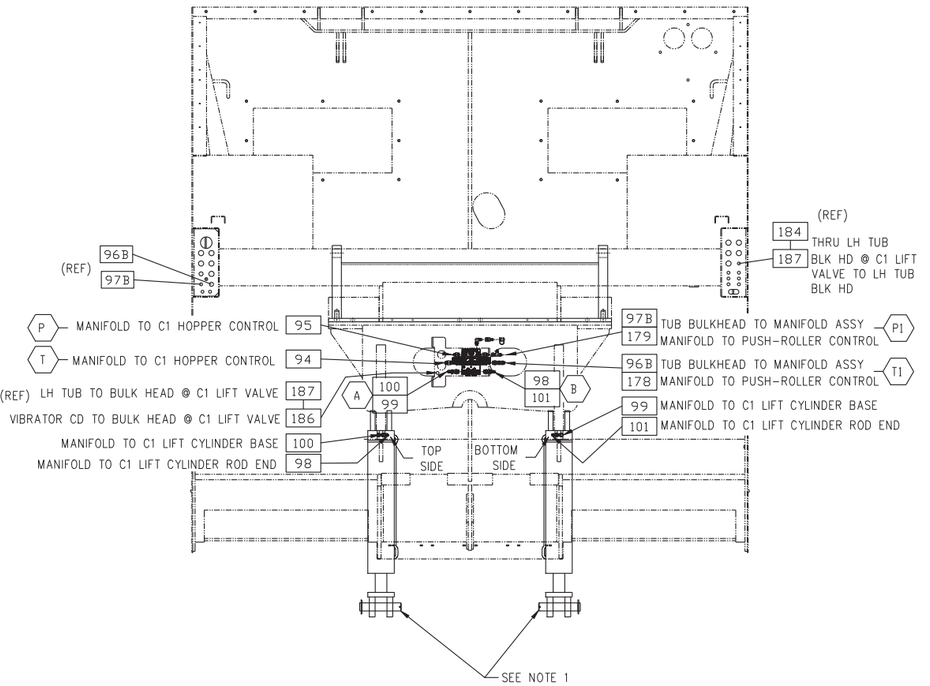


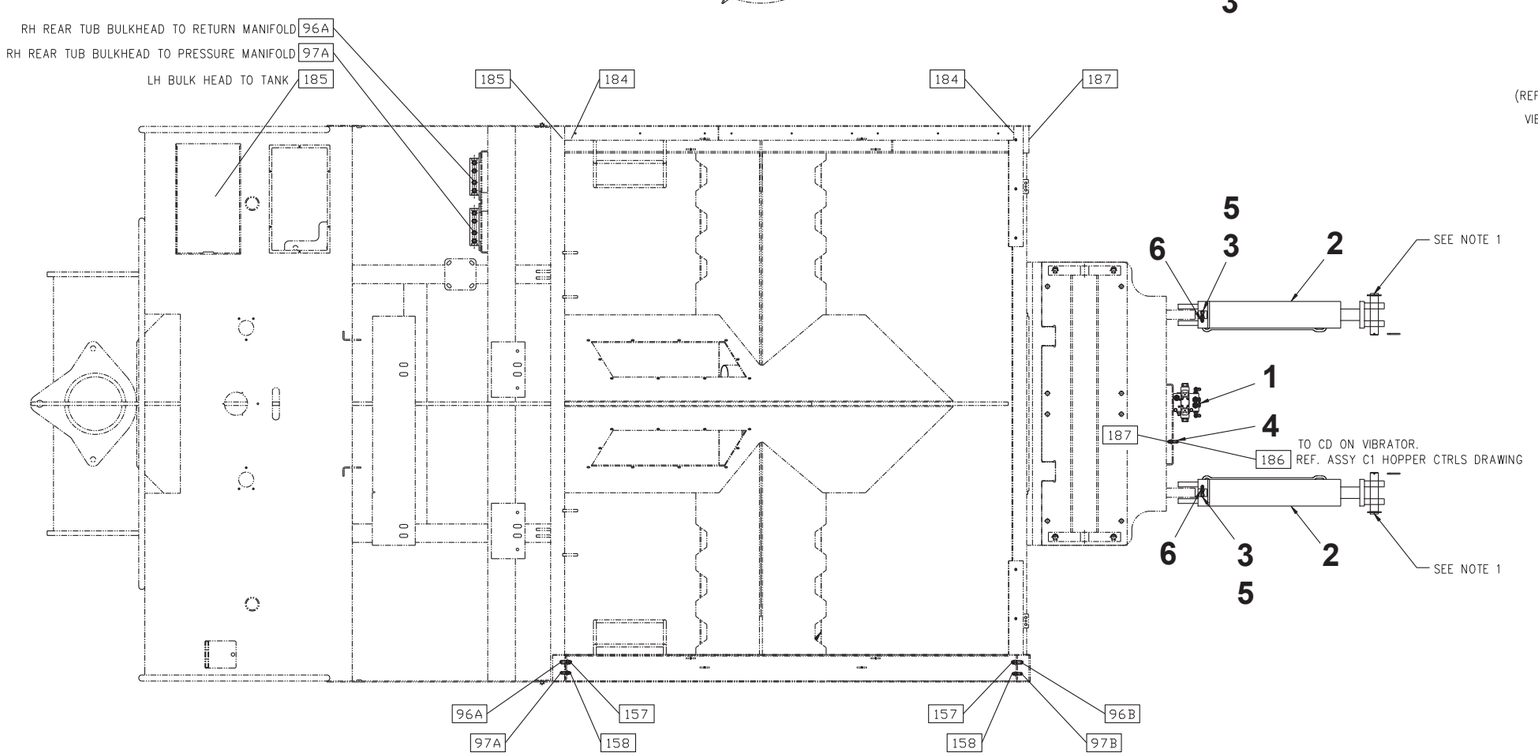


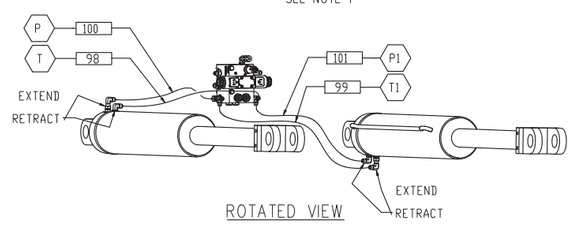
ASSY - C1 RAISE/LOWER HYDRAULICS
(242501-01)

ITEM	PART #	DESCRIPTION	QTY
1	242500-03	ASSY- C1 RAISE/LOWER MANIFOLD	1
2	207380-01	CYLINDER- 5" BORE x 22' STROKE	2
3	83735-04	FIT- 6 JIC x 6 SAE STRAIGHT	2
4	83475-04	FIT- 6 JIC x 6 JIC BULKHEAD	1
5	83953-04	FIT - 6 JIC SWIVEL 90	2
6	83734-04	FIT - 6 JIC x 6 SAE 90	2



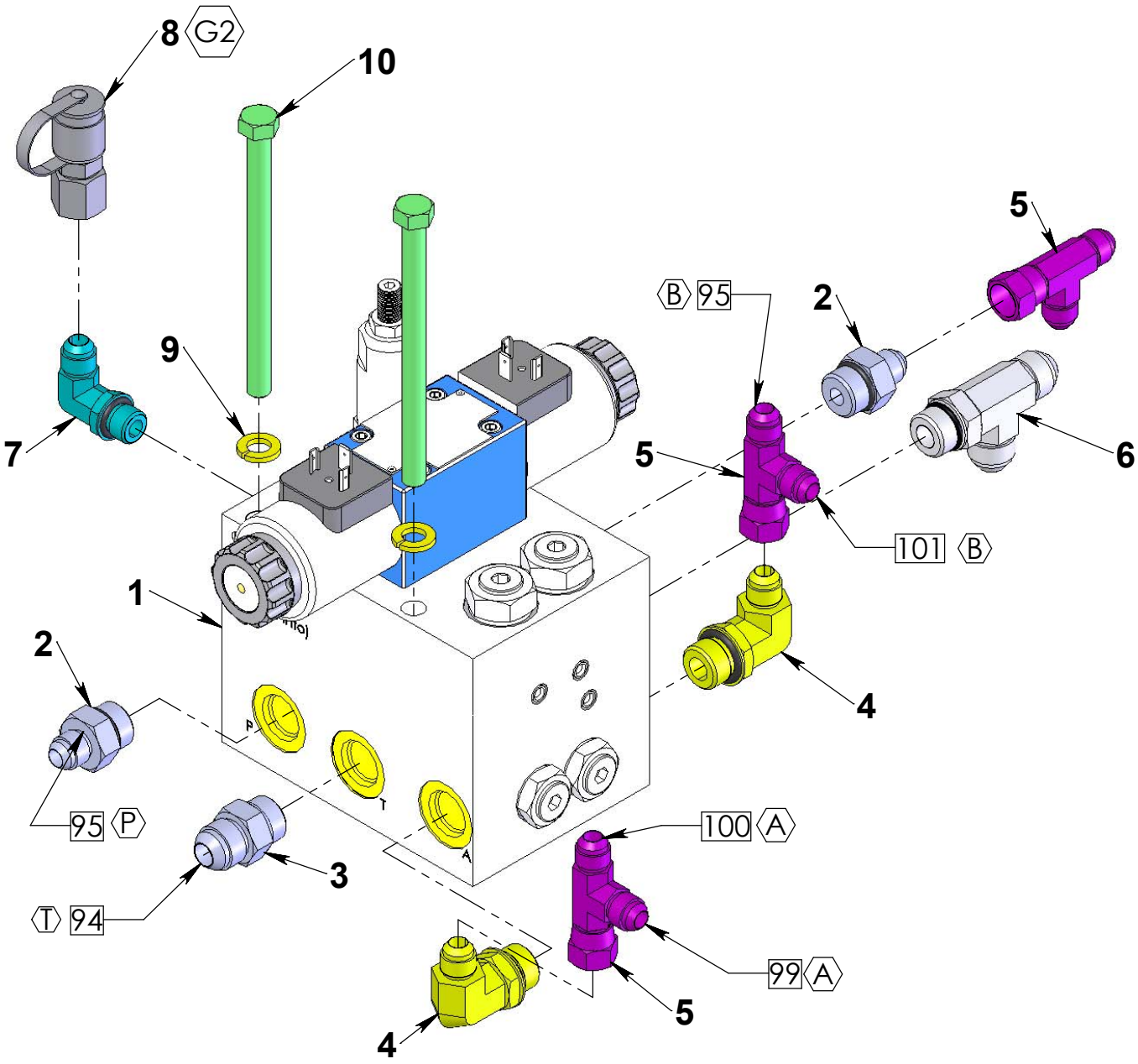






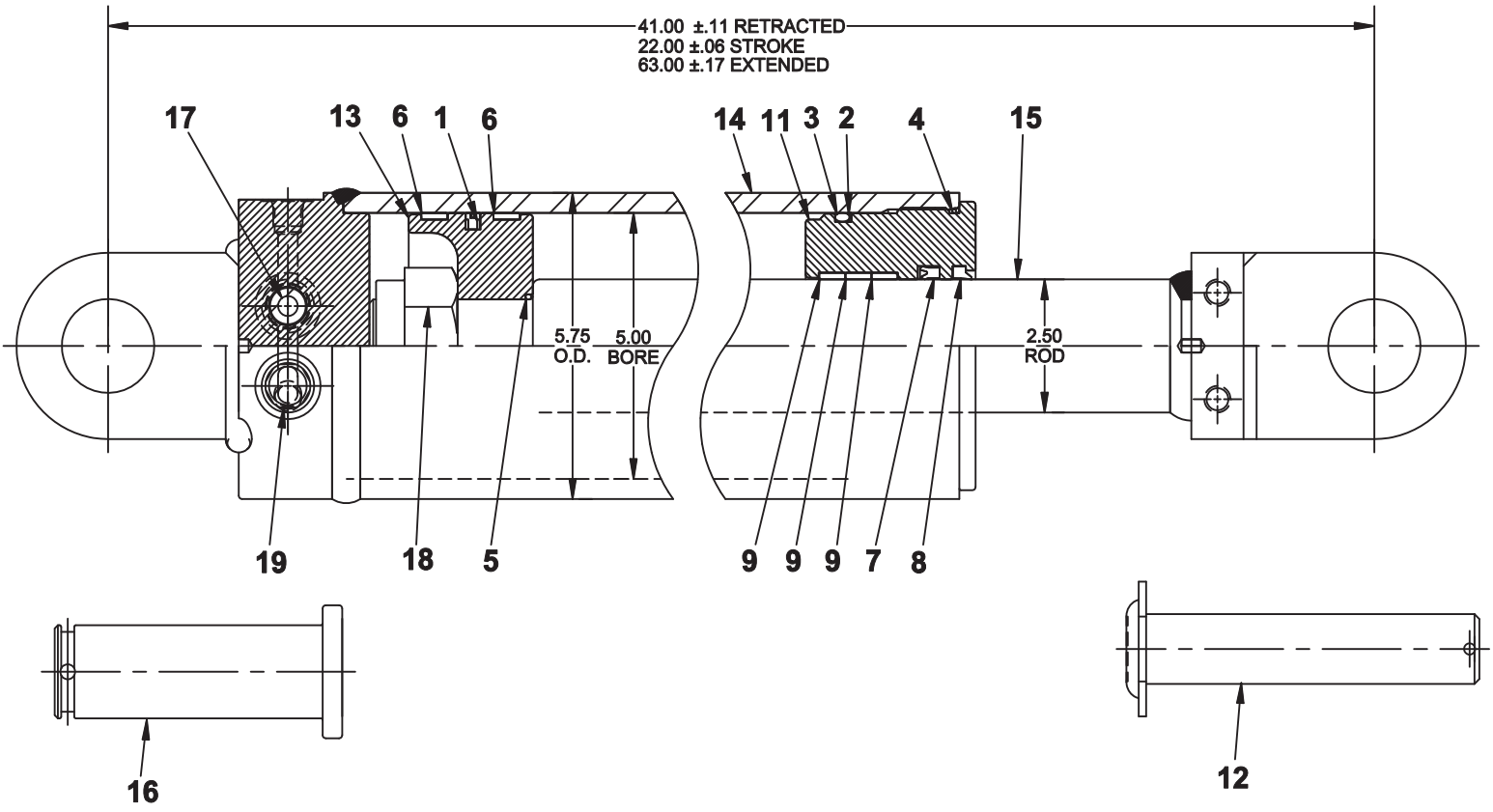
ROADTEC an Astec Industries Company

ASSEMBLY-C1 RAISE/LOWER MANIFOLD (242500-03)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235753-01	MANIFOLD - C1 RAISE/LOWER 24V	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	2
3	83459-04	FIT ~ CONNECTOR 8 JIC x 8 SAE MALE	1
4	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	2
5	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	3
6	83766-04	FIT * RUN TEE 8 JIC - 8 SAE MALE	1
7	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	1
8	140303-04	FIT * TEST PORT 9KPSI #6 JIC FS	1
9	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
10	20N62	BOLT * HEX 3/8"-16 X 5"	2

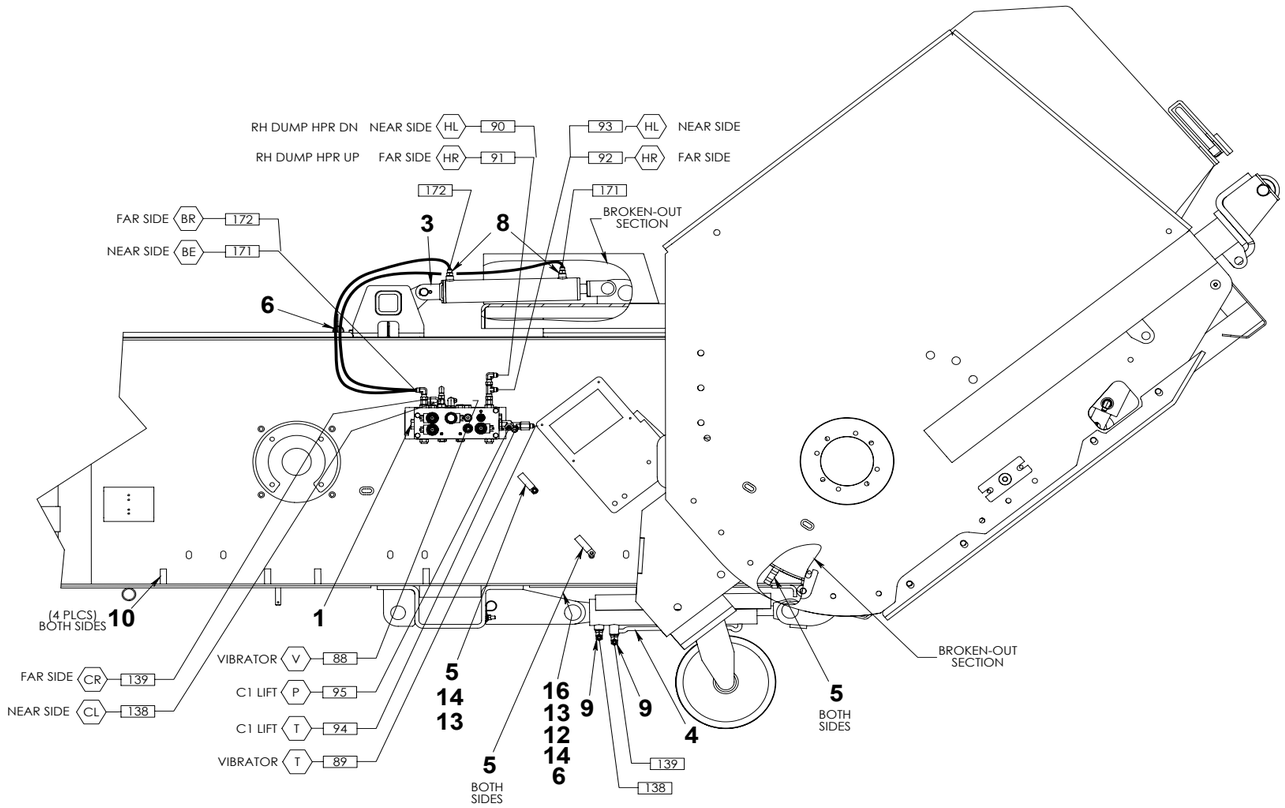
CYLINDER, C-1 RAISE / LOWER
(207380-01)

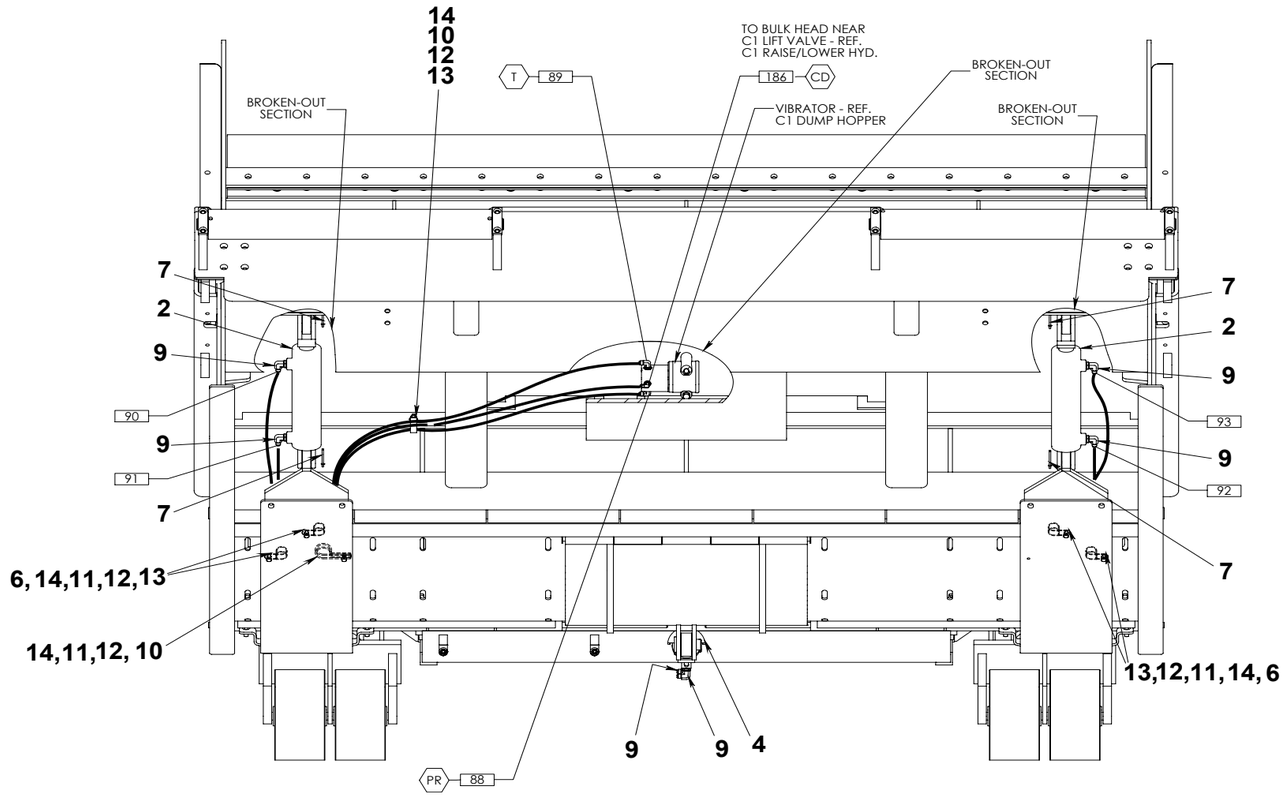


ITEM #	PART NO.	DESCRIPTION	QTY.
1	207380-01-C1	PISTON SEAL	1
2	207380-01-C2	BACK-UP	1
3	207380-01-C3	O-RING	1
4	207380-01-C4	O-RING	1
5	207380-01-C5	O-RING	1
6	207380-01-C6	WEAR BAND	2
7	207380-01-C7	U-CUP	1
8	207380-01-C8	WIPER	1
9	207380-01-C9	WEAR BAND	3
10	207380-01-C10	COTTER PIN	2
11	207380-01-C11	HEAD	1
12	207380-01-C12	CLEVIS PIN	1
13	207380-01-C13	PISTON SEAL	1
14	207380-01-C14	TUBE	1
15	200779-01-C1	ROD	1
16	207380-01-C15	CLEVIS PIN	1
17	207380-01-C16	COUNTER BALANCE VALVE	1
18	207380-01-C17	LOCK NUT	1
19	207380-01-C18	CAVITY PLUG	1
20	200779-01-C2	SEAL KIT	1

ASSEMBLY- C1 HOPPER CNTLS. HYDRAULICS (240549-01)

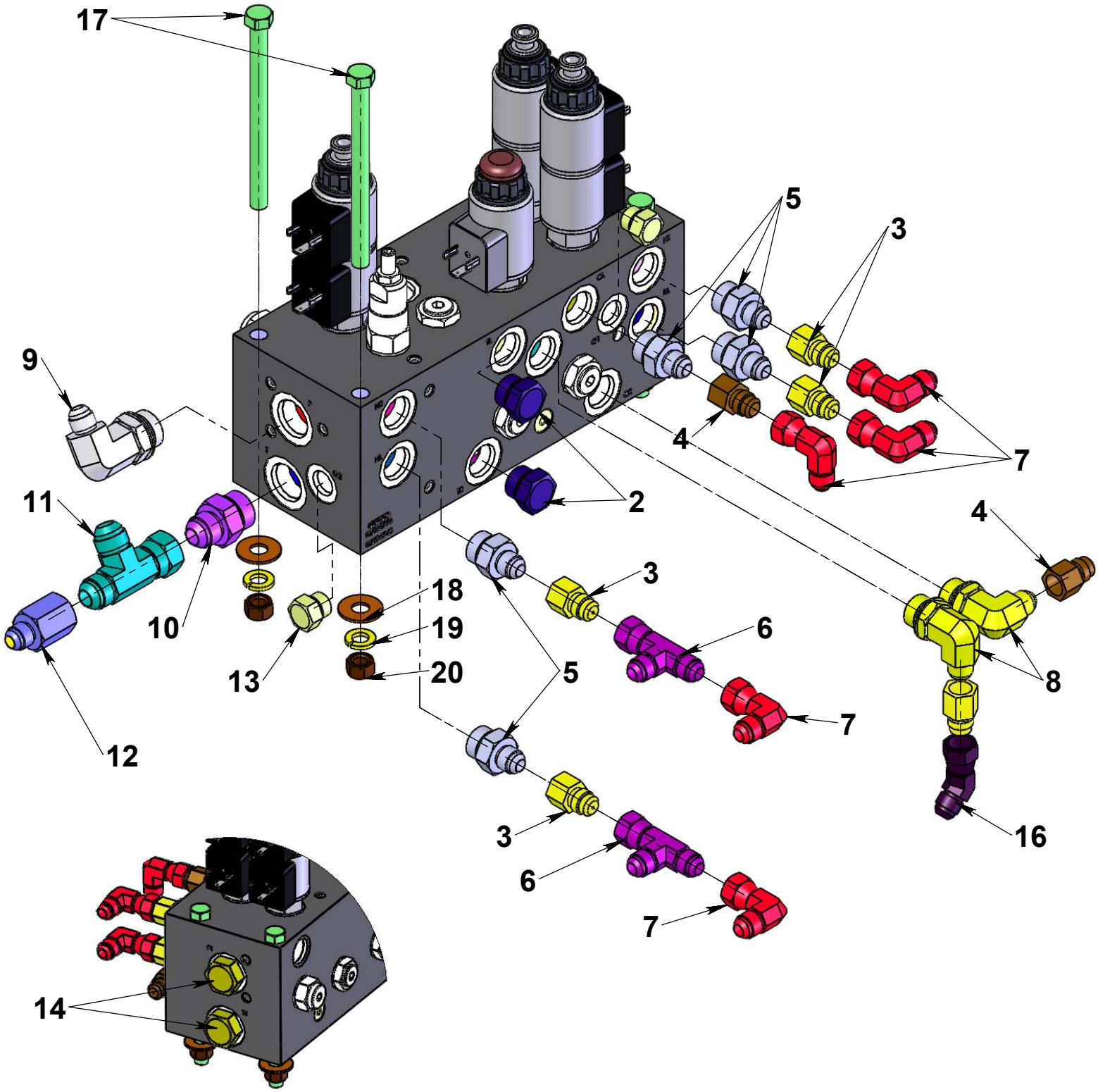
ITEM #	PART #	DESCRIPTION	QTY.
1	236176-02	ASSY-C1 HOPPER CONTROLS MANIFOLD	1
2	237434-03	CYL * 3" BORE X 8" STROKE	2
3	97482-01	CYL * 2 1/2" BORE X 12" STROKE	1
4	215523-01	CYL * 3 BORE X 15 3/4 STROKE	1
5	99965	CLAMP * 2" RUBBERIZED TUBE	5
6	16p29	CLAMP * BOLT SIZE 1/2"HOSE	7
7	27D66	PIN * COTTER 3/16" X 2"	4
8	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	2
9	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	6
10	147412-04	CLAMP * 1 9/16"ID. 3/8"BOLT HOLE	10
11	84332	BOLT * HEX 3/8"-16 X 1"	5
12	83757	WASHER ~ FLAT 3/8 STEEL	8
13	83055	NUT * 3/8-16 HEX GRADE 8	9
14	83056	WASHER ~ LOCK 3/8 SPRING STEEL	9





ROADTEC an Astec Industries Company

ASSY-C1 HOPPER CONTROLS MANIFOLD (236176-02)

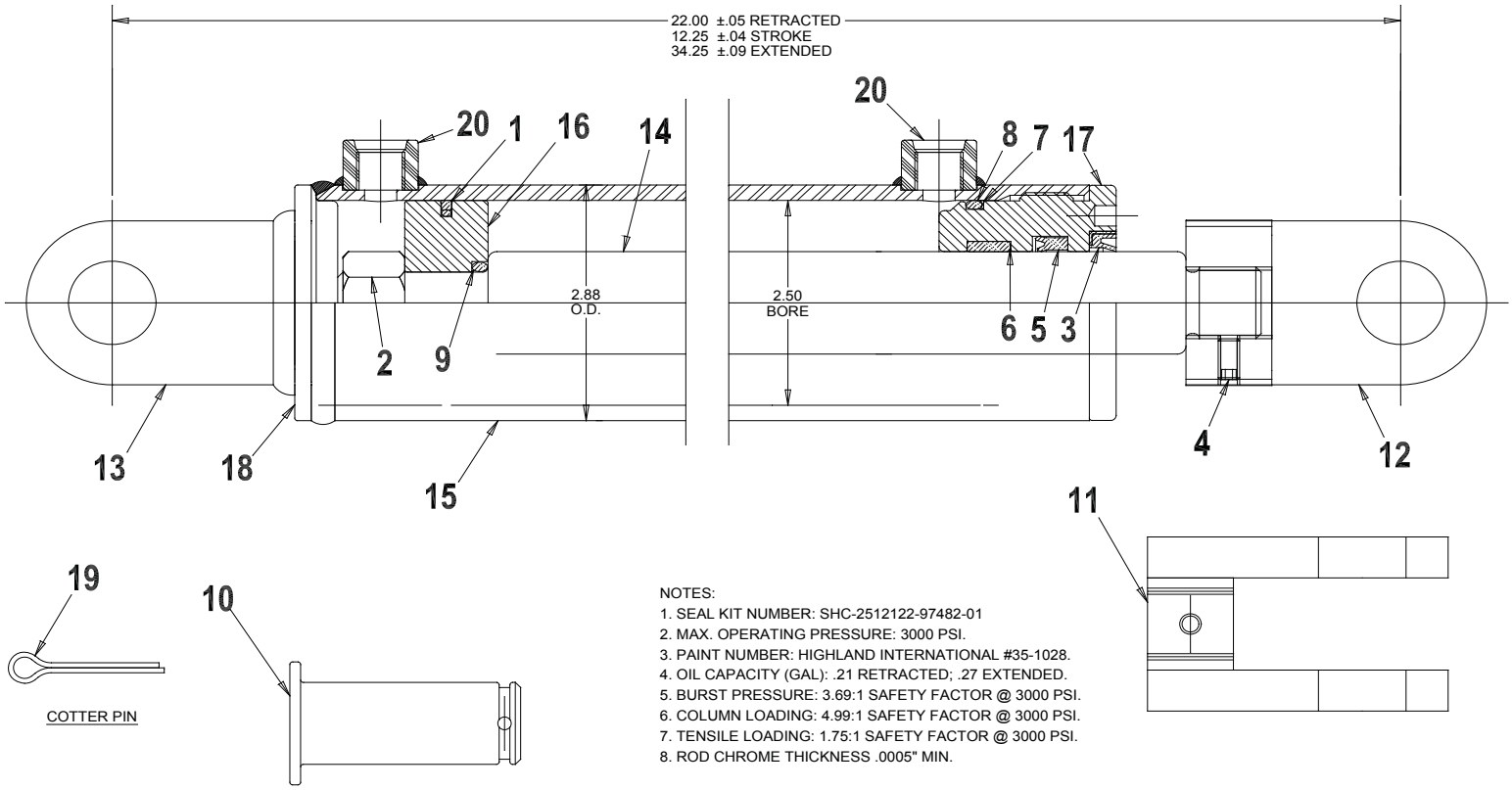


VIEW OF OPPOSITE SIDE

ASSY-C1 HOPPER CONTROLS MANIFOLD (236176-02)

ITEM #	PART #	DESCRIPTION	QTY
1	235752-01	MANIFOLD - C1 HOPPER CONTROLS 24V	1
2	83767-04	FIT ~ PLUG 8 SAE	2
3	135775-04	FIT * RESTRICTOR 6 JIC X 1/16 ORIF	4
4	135409-04	FIT * REST 6 JIC X 1/32"ORIFICE ST	2
5	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	5
6	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	2
7	83953-04	FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG.	5
8	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE	2
9	92987	FIT ~ 6 JIC x 10 SAE 90 DEG.	1
10	83704-04	FIT ~ CONNECTOR 8 JIC - 10 SAE MALE	1
11	84638-04	FIT ~ SWIVEL RUN TEE 8 JIC	1
12	84060-04	FIT ~ ADAPTOR 8 JIC - 6 JIC RED.	1
13	84635-04	FIT * PLUG 6 SAE	2
14	89788-04	FIT ~ PLUG 10 SAE STEEL	2
15	139793-04	FIT * RESTRICTOR 3/64 ORIFICE	1
16	90768-04	FIT * CONNECTOR 6 JIC 45 DEG. SW.	1
17	20N62	BOLT * HEX 3/8"-16 X 5"	4
18	83757	WASHER ~ FLAT 3/8 STEEL	4
19	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
20	83055	NUT * 3/8-16 HEX GRADE 8	4

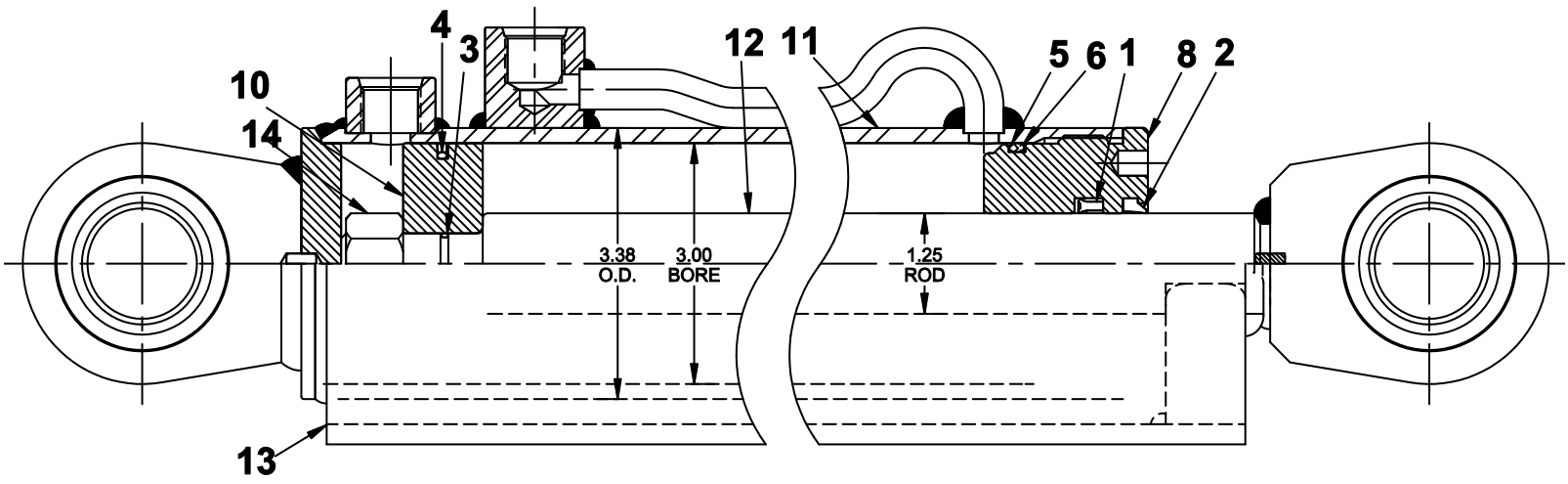
CYLINDER, HOPPER RAISE
(97482-01)

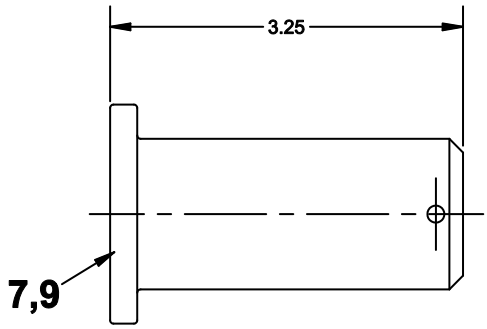


NOTES:
1. SEAL KIT NUMBER: SHC-2512122-97482-01
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: HIGHLAND INTERNATIONAL #35-1028.
4. OIL CAPACITY (GAL): .21 RETRACTED; .27 EXTENDED.
5. BURST PRESSURE: 3.69:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 4.99:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.75:1 SAFETY FACTOR @ 3000 PSI.
8. ROD CHROME THICKNESS .0005" MIN.

ITEM #	PART NO.	DESCRIPTION	QTY.
1		PISTON SEAL	1
2	97482-01-C8	3/4" LOCKNUT	1
3		WIPER	1
4		SET SCREW - 1/4 X 1/2" LG.	1
5		U-CUP	1
6		WEAR BAND	1
7		BACK-UP	1
8		O-RING	1
9		O-RING	1
10		CLEVIS PIN	2
11		CLEVIS BASE	1
12	97482-01-C5	LUG ASSY.	2
13			
14	97482-01-C7	ROD	1
15		TUBE	1
16		PISTON SEAL	1
17		HEAD	1
18		BASE PLATE	2
19		COTTER PIN 1/8"	2
20		PORT 6 SAE	
21	97482-01-C6	SEAL KIT	

CYLINDER ,C-1 BAFFLE
(215523-01)

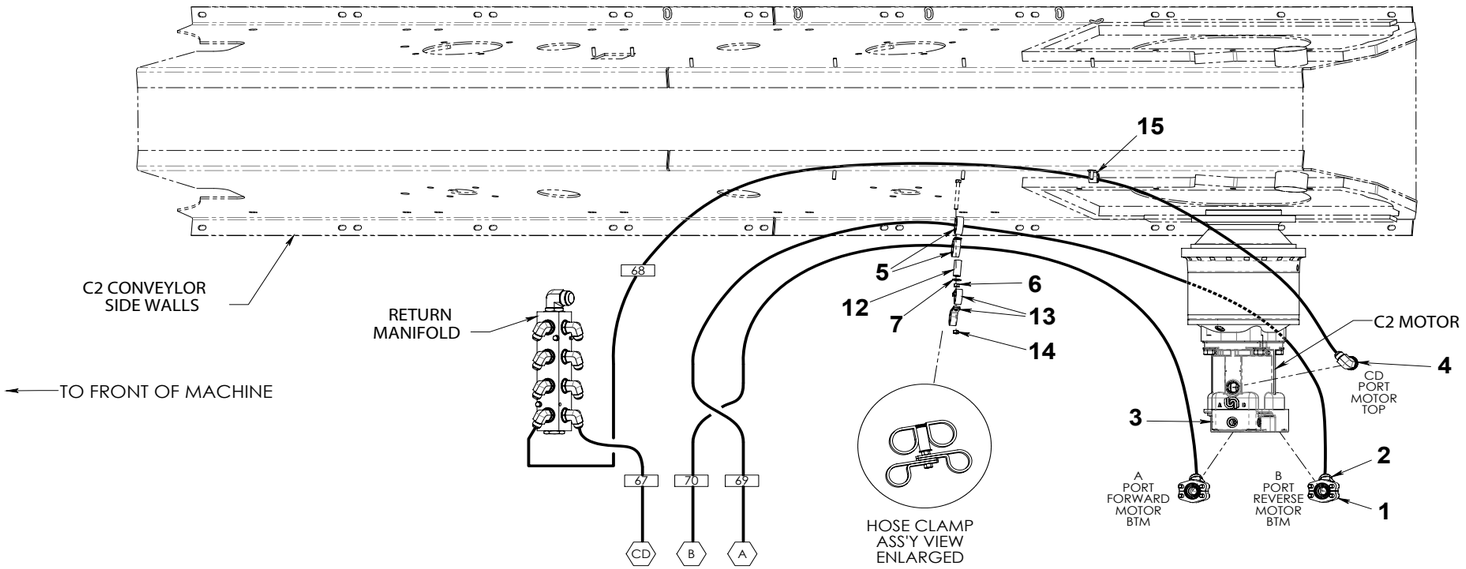


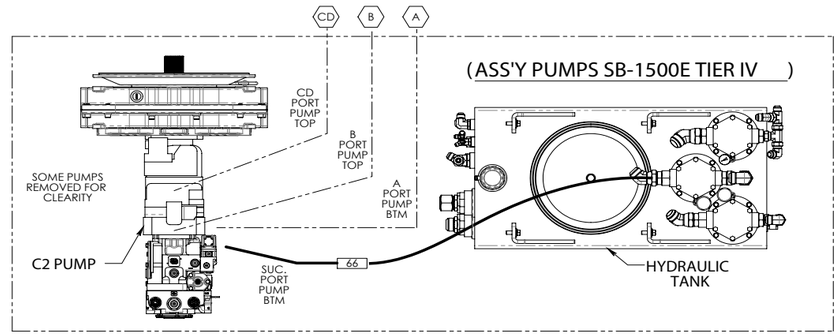


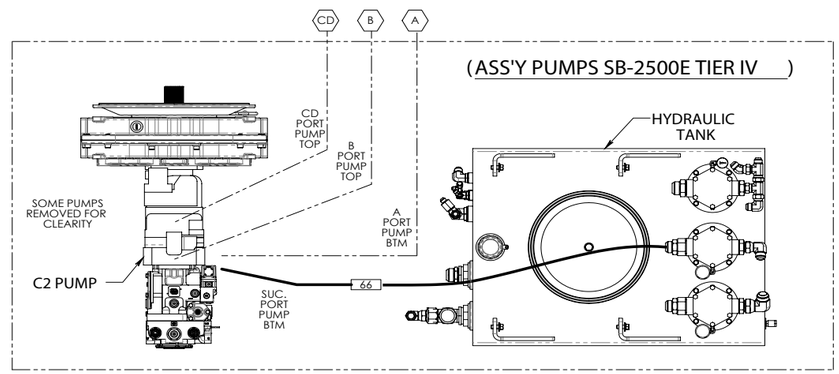
ITEM #	PART NO.	DESCRIPTION	QTY.
1	215523-01-C9	POLY PAK	1
2	215523-01-C10	WIPER	1
3	215523-01-C11	O-RING	1
4	215523-01-C12	PISTON SEAL	1
5	215523-01-C13	O-RING	1
6	215523-01-C14	BACK-UP	1
7	215523-01-C2	COTTER PIN	2
8	215523-01-C3	HEAD	1
9	215523-01-C4	CLEVIS PIN	2
10	215523-01-C5	PISTON	1
11	215523-01-C6	TUBE	1
12	215523-01-C7	ROD	1
13	215523-01-C8	SHIELD	1
14	215523-01-C15	LOCK NUT	1
15	215523-01-C1	SEAL KIT	1

ASSY- C2 DRIVE HYDRAULICS
(239588-01)

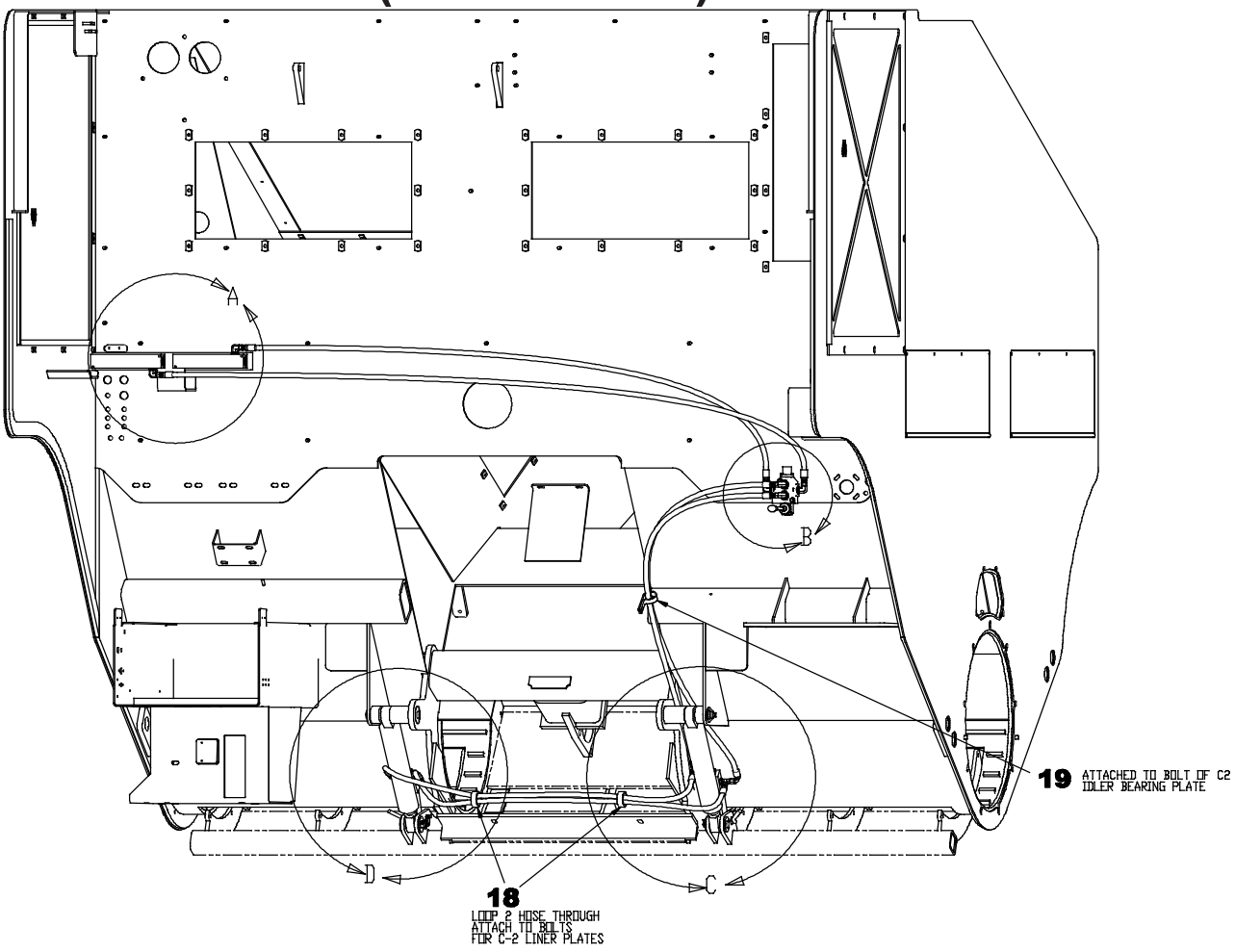
ITEM #	PART #	DESCRIPTION	QTY.
1	96765	KIT * FLANGE #20 CODE 62	2
2	99945	FIT * 20 JIC. X 20 FLG. 45 CODE62	2
3	149224-04	MOTOR * HYD. MOTOR-SERIES 90-130 CC	1
4	85875-04	FIT * ELBOW 12 JIC M - 16 SAE 90	1
5	99965	CLAMP * 2" RUBBERIZED TUBE	2
6	83055	NUT * 3/8-16 HEX GRADE 8	1
7	83757	WASHER ~ FLAT 3/8 STEEL	1
8	28Y06C4	KIT * OUTSIDE GASKET	1
9	93071	BOLT ~ HEX 3/4"-10 x 2" LG.	4
10	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	4
11	95937	WASHER * FLAT 3/4" HARD	4
12	232191-04	DETAIL-SPACER, HOSE CLAMP	1
13	147412-04	CLAMP * 1 9/16"ID. 3/8"BOLT HOLE	2
14	92235	NUT ~ 3/8"-16 LOCK GRADE 8	1
15	16p29	CLAMP * BOLT SIZE 1/2"HOSE	1

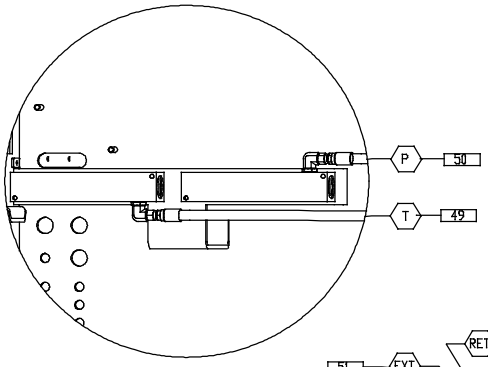




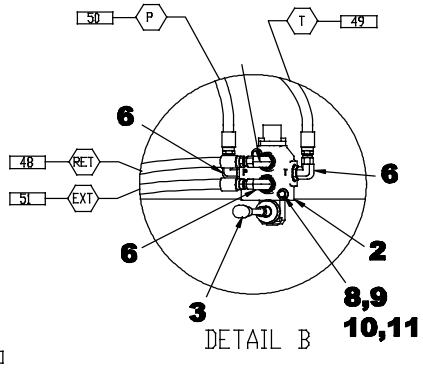


C-2 CLEAN-OUT DOOR HYDRAULICS
(226792-01)

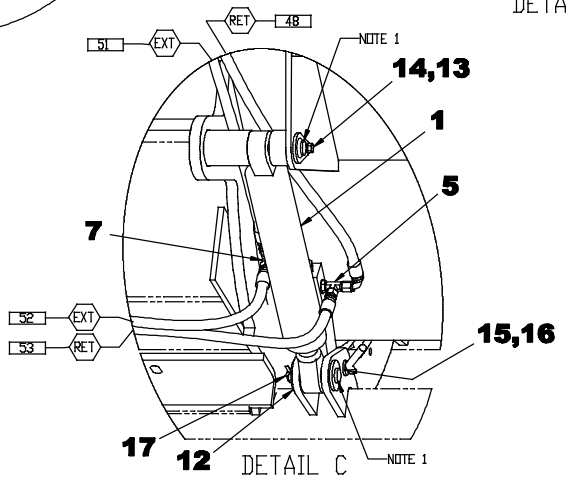




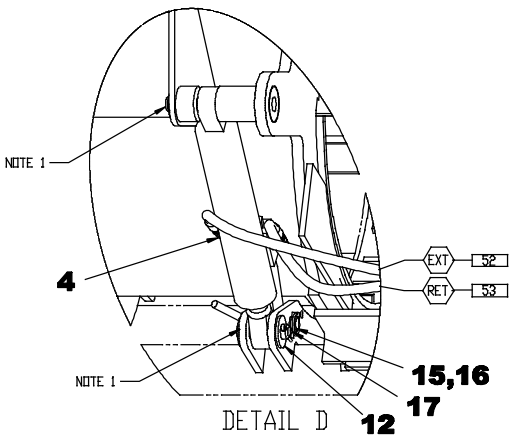
DETAIL A



DETAIL B



DETAIL C

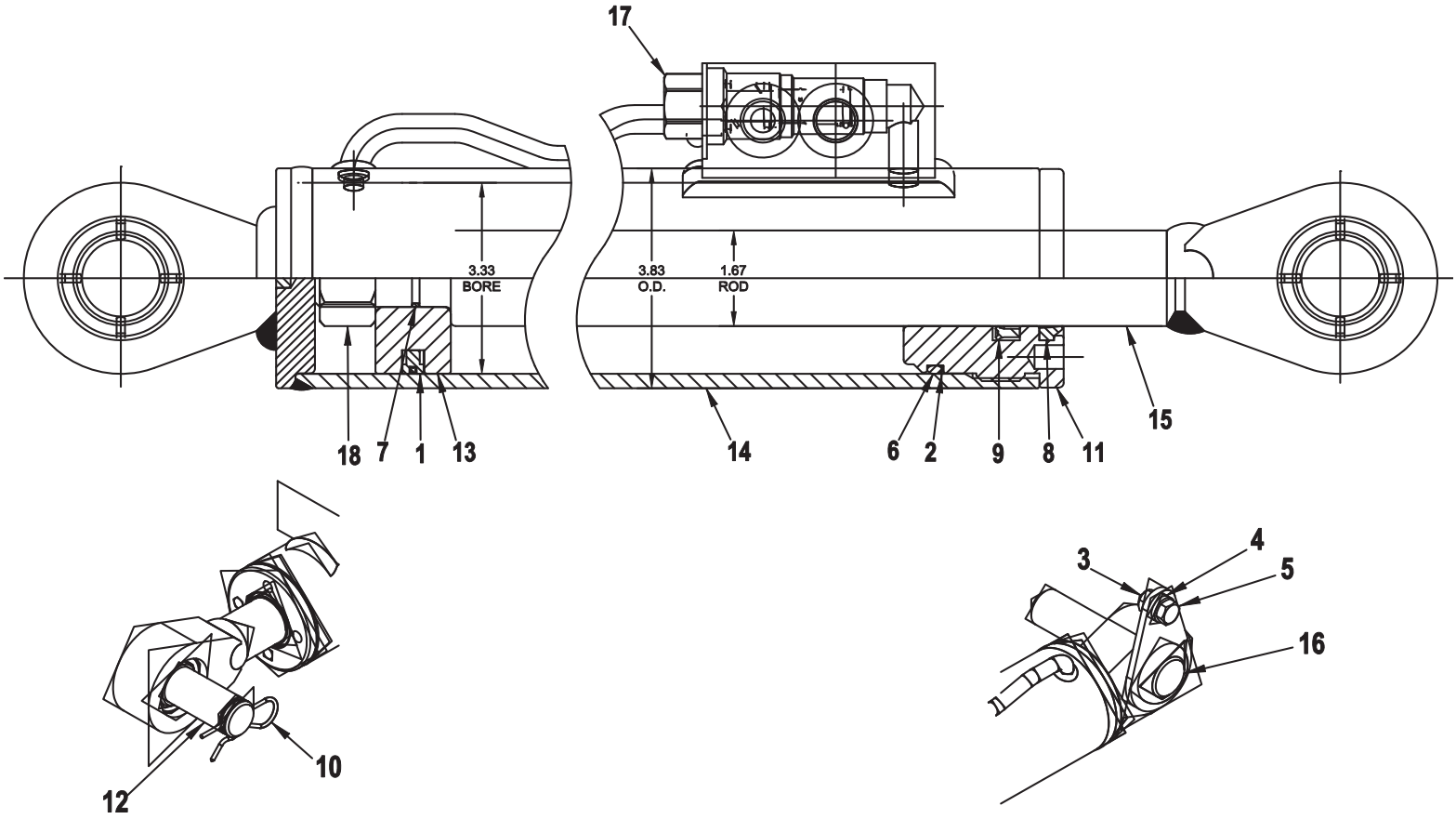


DETAIL D

C-2 CLEAN-OUT DOOR HYDRAULICS
(226792-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	225738-01	CYL - 2 1/2" BORE X 11" STROKE	2
2	226301-04	VALVE - MANUAL 4 WAY MOTOR SPOOL	1
3	225060-03-C1	CLOSED CENTER - 2 WAY LEVER VALVE HANDLE	1
4	83734-04	FIT - 6 JIC - 6 SAE 90 DEG.	3
5	91665-04	FIT - RUN TEE 6 JIC M - 6 SAE M	1
6	84426-04	FIT - 6 JIC - 8 SAE 90 DEG. MALE	4
7	84636-04	FIT - SWIVEL RUN TEE 6 JIC	1
8	85563-04	HEX BOLT - 1/4-20 X 2 1/2"	2
9	84444	FLAT WASHER - 1/4" STEEL	4
10	89772	HEX NUT - 1/4-20 GR8	2
11	83065	LOCK WASHER - 1/4" SPRING STEEL	2
12	10S89	FLAT WASHER - 1" A325	2
13	83056	LOCK WASHER - 3/8" SPRING STEEL	2
14	84332	HEX BOLT - 3/8-16 X 1"	2
15	121690-03	WLDMT - C2 COD LATCH PIN	2
16	144993-04	PIN - 3/16" LYNCH	2
17	27D66	PIN - COTTER 3/16" X 2"	2
18	99965	CLAMP - 2" RUBBERIZED TUBE	2
19	147412-04	CLAMP - 1 9/16" ID 3/8" BOLT HOLE	1
20			

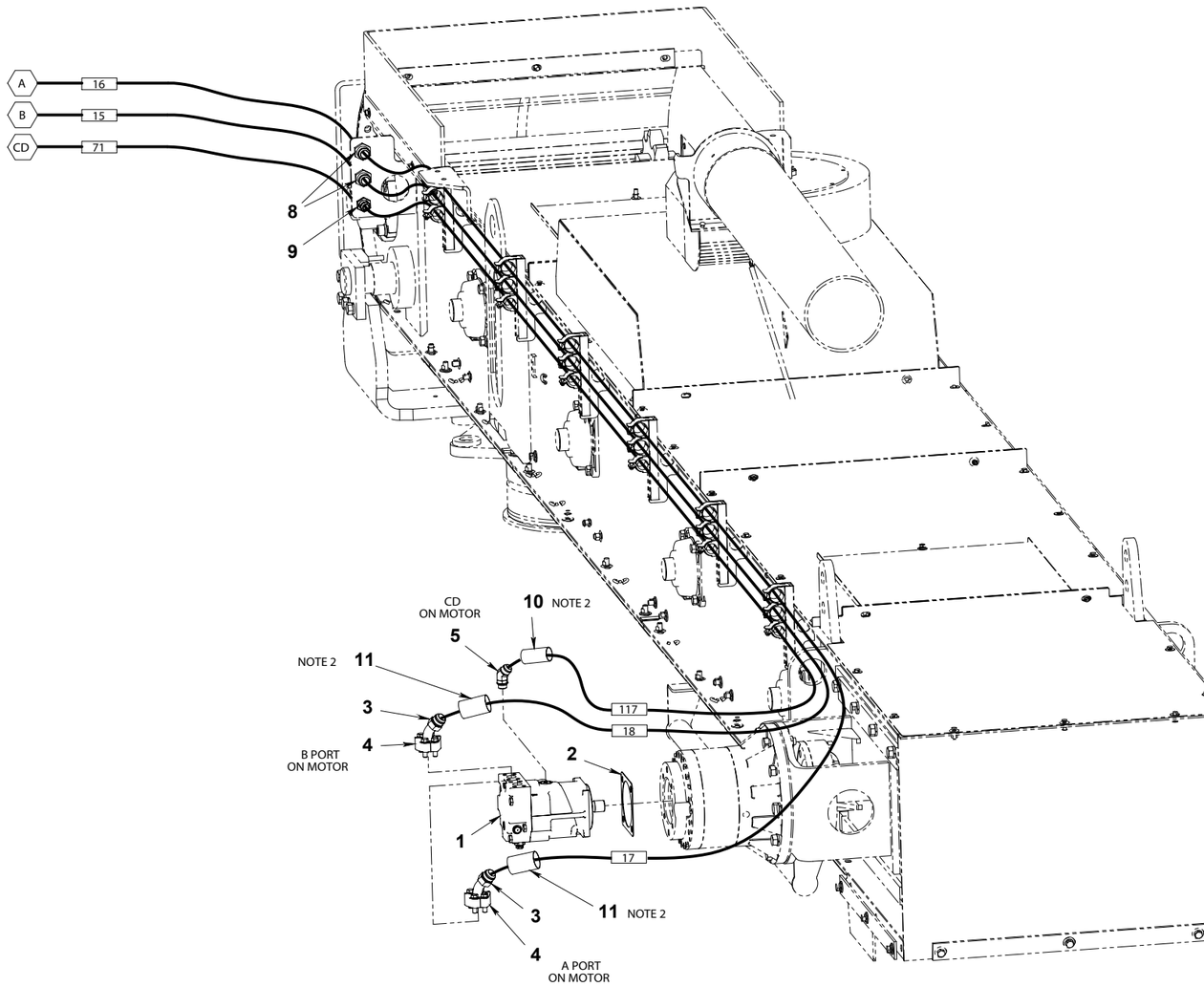
CYLINDER, C-2 CLEAN-OUT
(225738-01)



ITEM #	PART NO.	DESCRIPTION	QTY.
1	225738-01-C2	SEAL, PISTON	1
2	225738-01-C3	BACK-UP	1
3	225738-01-C4	HEX NUT	1
4	225738-01-C5	LOCK WASHER	1
5	225738-01-C6	HEX BOLT	1
6	225738-01-C7	O-RING	1
7	225738-01-C8	O-RING	1
8	225738-01-C9	WIPER	1
9	225738-01-C10	POLY PAK	1
10	225738-01-C11	HAIRPIN COTTER	1
11	225738-01-C12	HEAD	1
12	225738-01-C13	CLEVIS PIN	1
13	225738-01-C14	PISTON	1
14	225738-01-C15	TUBE	1
15	225738-01-C16	ROD	1
16	225738-01-C17	CLEVIS PIN	1
17	225738-01-C18	P.O. CHECK VALVE	1
18	225738-01-C19	LOCK NUT	1
19	225738-01-C1	SEAL KIT	1
20			

C-3 DRIVE HYDRAULICS
(236184-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	91681-04	MOTOR * DRIVE	1
2	130086-C1	GASKET * FOR AUSCO BRAKE	1
3	121517	FIT*16 JIC-16 FLG 90 DEG.CODE 62 HP	2
4	90729	KIT * FLANGE #16 CODE 62	2
5	120439	FIT * 12 JIC X 10 SAE 45 DEG	1
6	145538	CLAMP * MOUNTING FOR 1 1/2" OD. HOSE	12
7	149015	CLAMP * MOUNTING FOR 1 1/8" OD. HOSE	6
8	89604	FIT * CONNECTOR 16 JIC BULKHEAD UNION W/ NUT	2
9	83476-04	FIT * BULKHEAD UNION 12 JIC	1
10	236184-01-10	INSULATION, 1 7/16" I.D. HOSE SLEEVE, Nylon X 24"	1
11	236184-01-11	INSULATION, 1 13/16" I.D. HOSE SLEEVE, Nylon X 24"	2

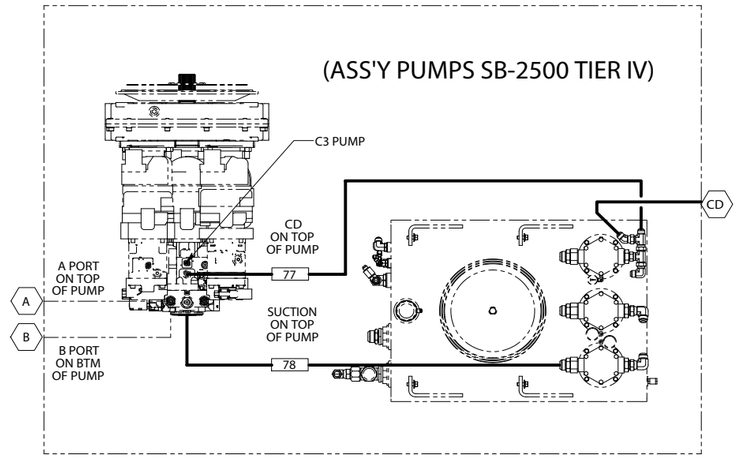


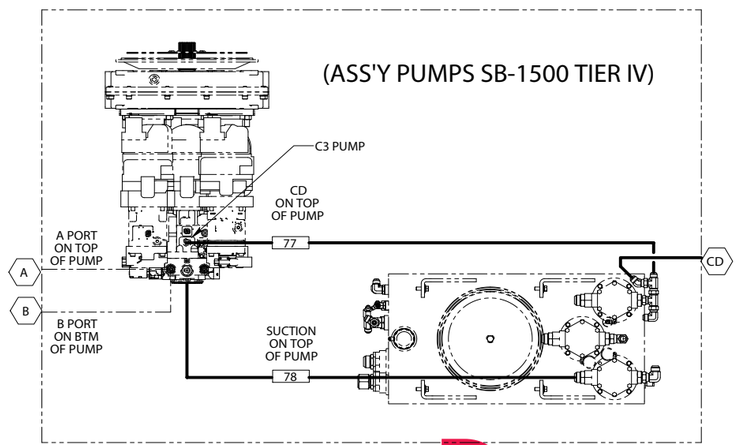
NOTE :
1. REF. APPROPRIATE HOSE KIT FOR HOSE DETAILS.
2. HOSE SLEEVE ATTACHES TO END OF HOSE FROM MOTOR TO HOSE CLAMP ON CONVEYOR WITH ZIPPY TIES BOTH ENDS.

(XX) - ITEM

[XX] - HOSE NUMBER

<XX> - MANIFOLD PORT

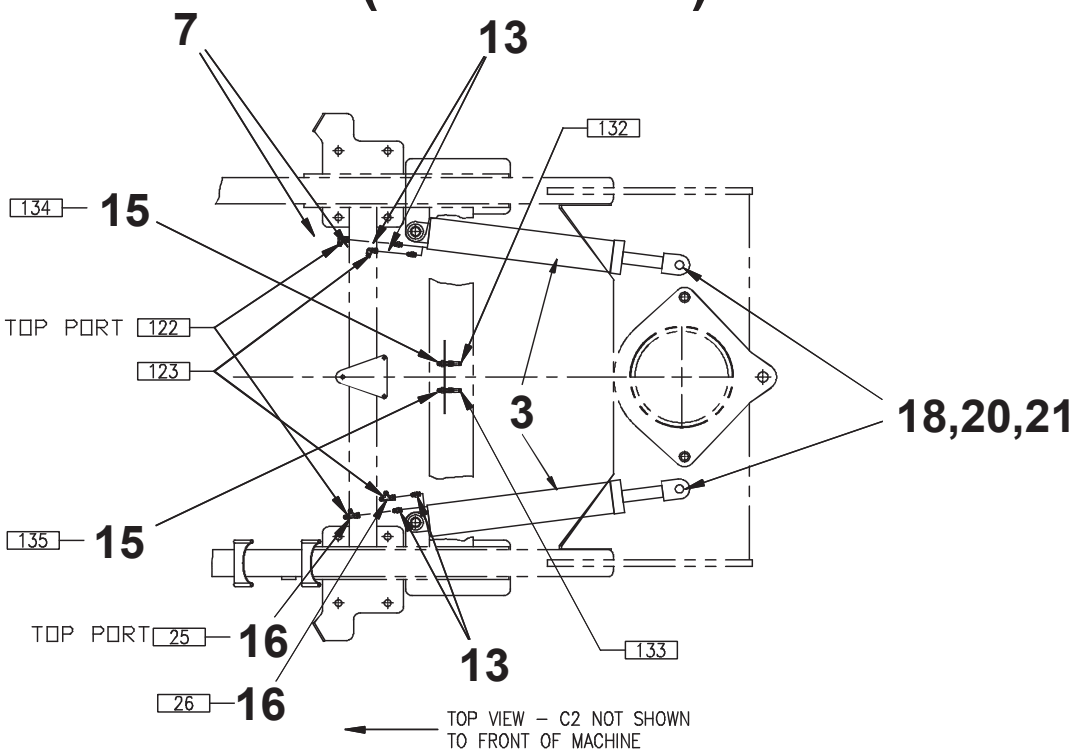


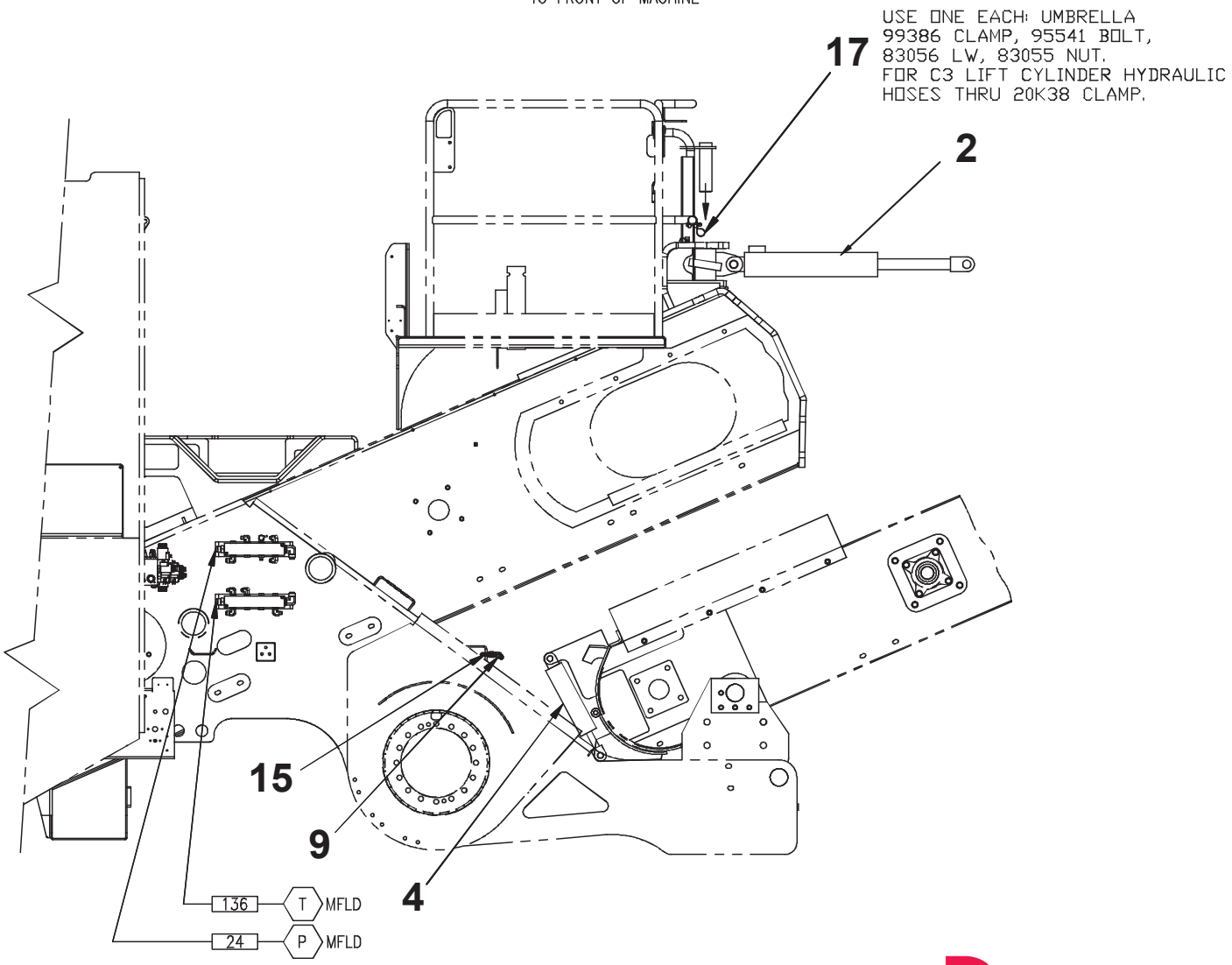


ROADTEC
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ASSY- C3 CONTROL HYDRAULICS
(236339-01)

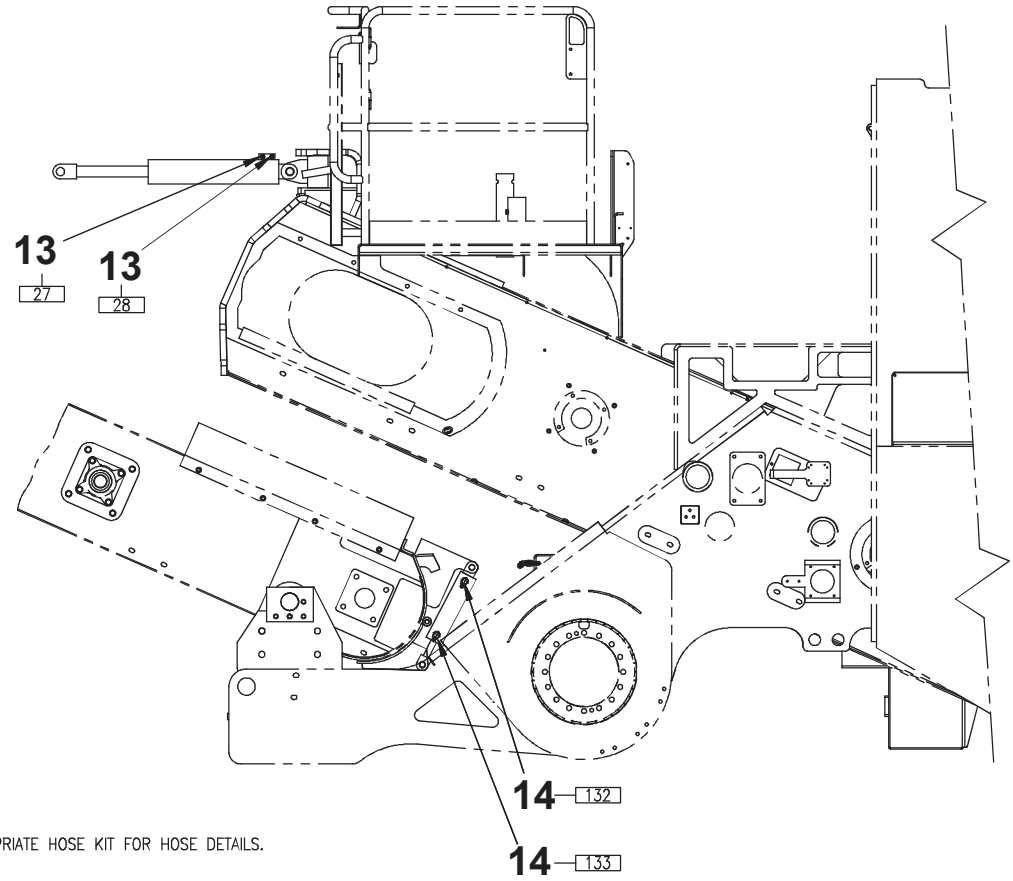
NEXT PAGE





PREVIOUS PAGE

ASSY- C3 CONTROL HYDRAULICS
(236339-01)

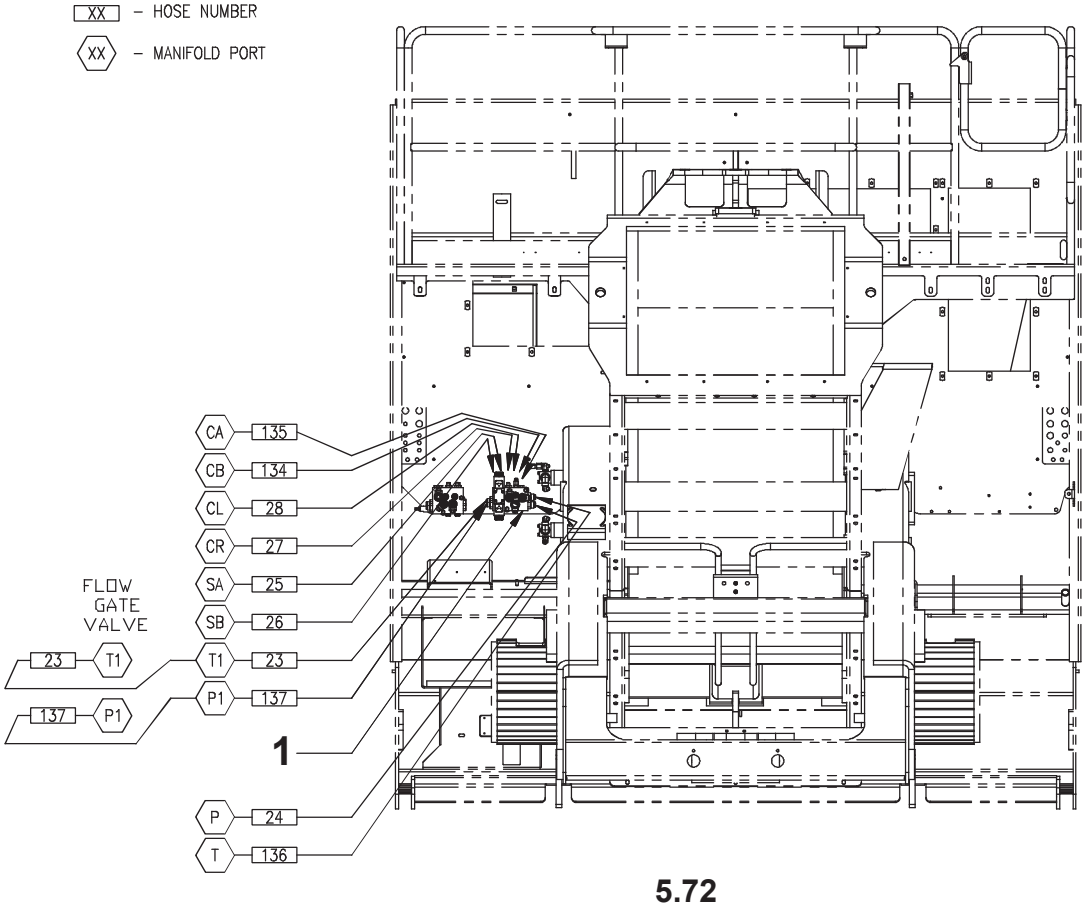


NOTE :
REF. APPROPRIATE HOSE KIT FOR HOSE DETAILS.

(XX) – ITEM

[XX] – HOSE NUMBER

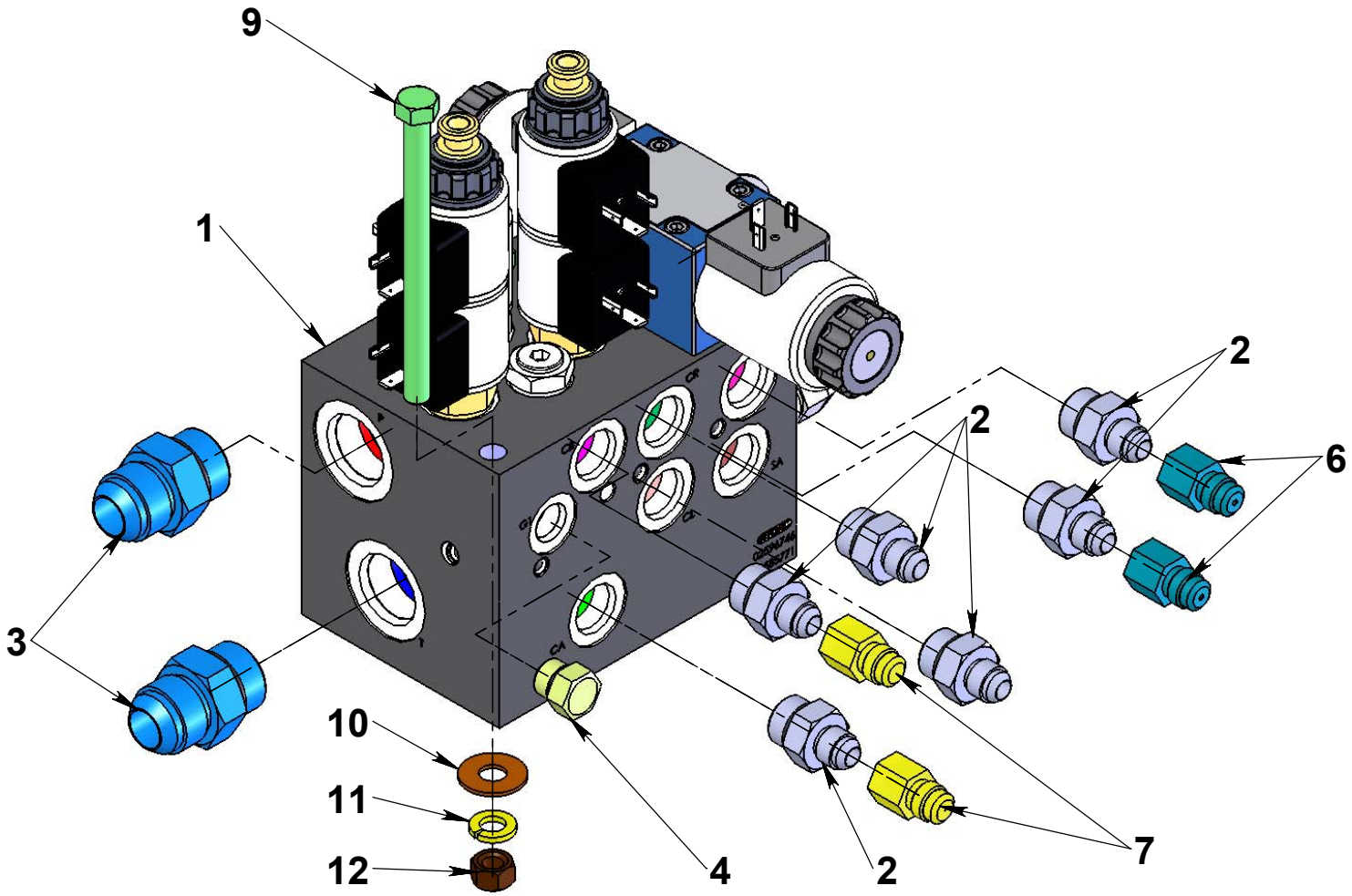
<XX> – MANIFOLD PORT

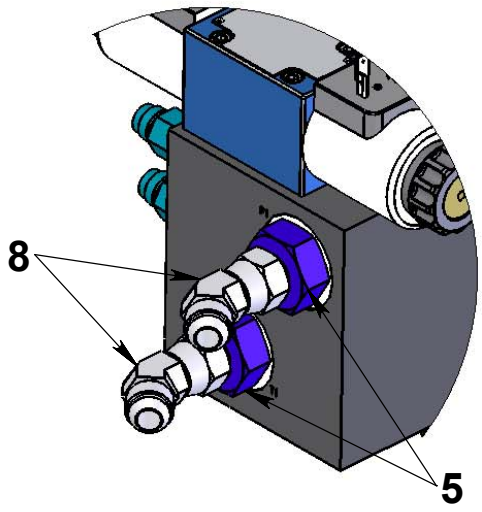


C-3 CONTROL HYDRAULICS ASSY. (236339-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	236179-02	ASSY - C3 CONTROL MANIFOLD	1
2	214518-01	CYLINDER - 5.00 BORE X 26.00 STROKE	1
3	241667-03	MODIF- C3 SWING CYLINDER	2
4	234638-02	CYLINDER - 2.00 BORE X 2.00 STROKE	1
5			
6			
7	83953-04	FIT - FM SWIVEL ELBOW 6 JIC 90 DEG.	2
8	84444	FLAT WASHER - 1/4" STEEL	1
9	90768-04	FIT - CONNECTOR 6 JIC 45 DEG. SW	2
10			
11			
12			
13	83735-04	FIT - 6 JIC X 6 SAE MALE ADAPTER	6
14	84426-04	ELBOW 90 DEG. - 6 JIC - 8 SAE MALE	2
15	83475-04	BULKHEAD UNION ST - 6 JIC	2
16	84636-04	FIT - 6 JIC SW RUN TEE	2
17	20K38	CLAMP - 1 1/4" DIA. X 9/16" WTH	2
18	86164	HEX BOLT - 1/2-13 X 1 1/4"	2
19			
20	83317	LOCK WASHER - 1/2" SPRING STEEL	2
21	83781-04	FLAT WASHER - 1/2" STEEL	2
22			
23			
24			
25			

ASSEMBLY-C3 CONTROL MANIFOLD (236179-02)

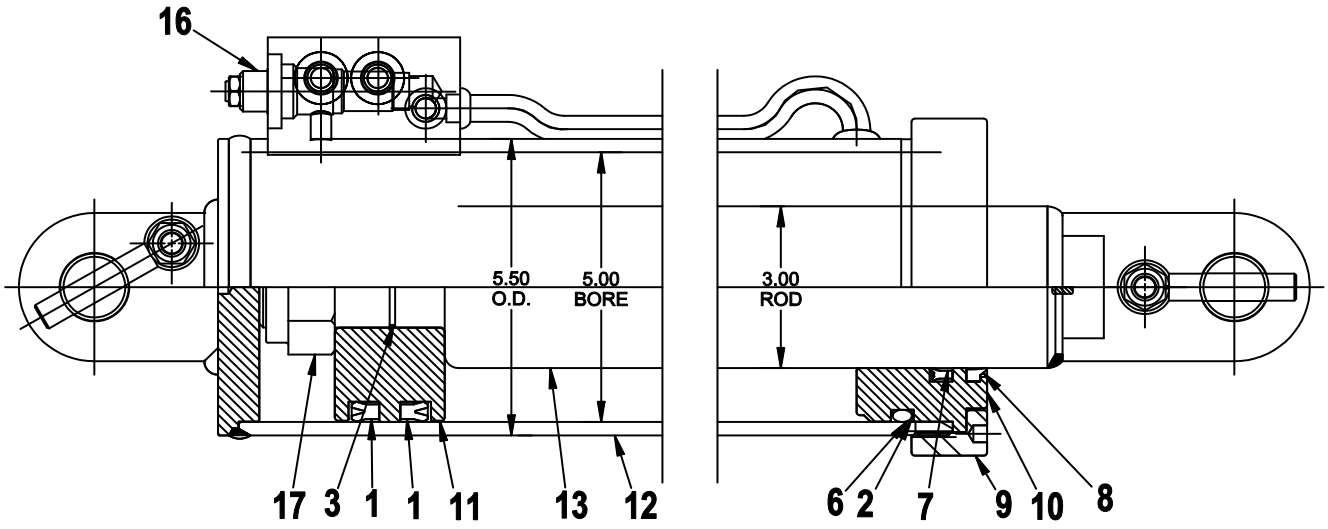


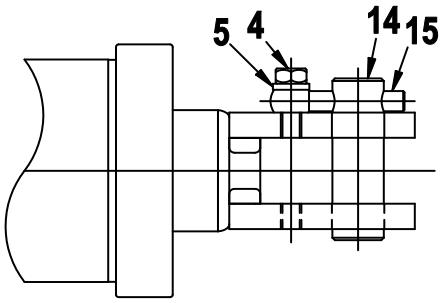


ASSEMBLY-C3 CONTROL MANIFOLD (236179-02)

ITEM #	PART #	DESCRIPTION	QTY
1	235755-01	MANIFOLD * C3 CONTROLS 24V	1
2	83469-04	FIT ~ CONNECTOR 6 JIC - 8 SAE MALE	6
3	83457-04	FIT ~ 12 JIC M x 12 SAE MALE STR	2
4	84635-04	FIT * PLUG 6 SAE	1
5	89616	FIT * 8 JIC X 12 SAE ST. MALE	2
6	136649-04	FIT ~ RESTRICTOR 3/32 ORIFICE	2
7	135942-04	FIT ~ RESTRICTOR 1/64 ORIFICE	2
8	85218-04	FIT * ELBOW SWIVEL 8 JIC 45 DEG.	2
9	20N62	BOLT * HEX 3/8"-16 X 5"	2
10	83757	WASHER ~ FLAT 3/8 STEEL	2
11	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
12	83055	NUT * 3/8-16 HEX GRADE 8	2

CYLINDER, C-3 LIFT
(214518-01)

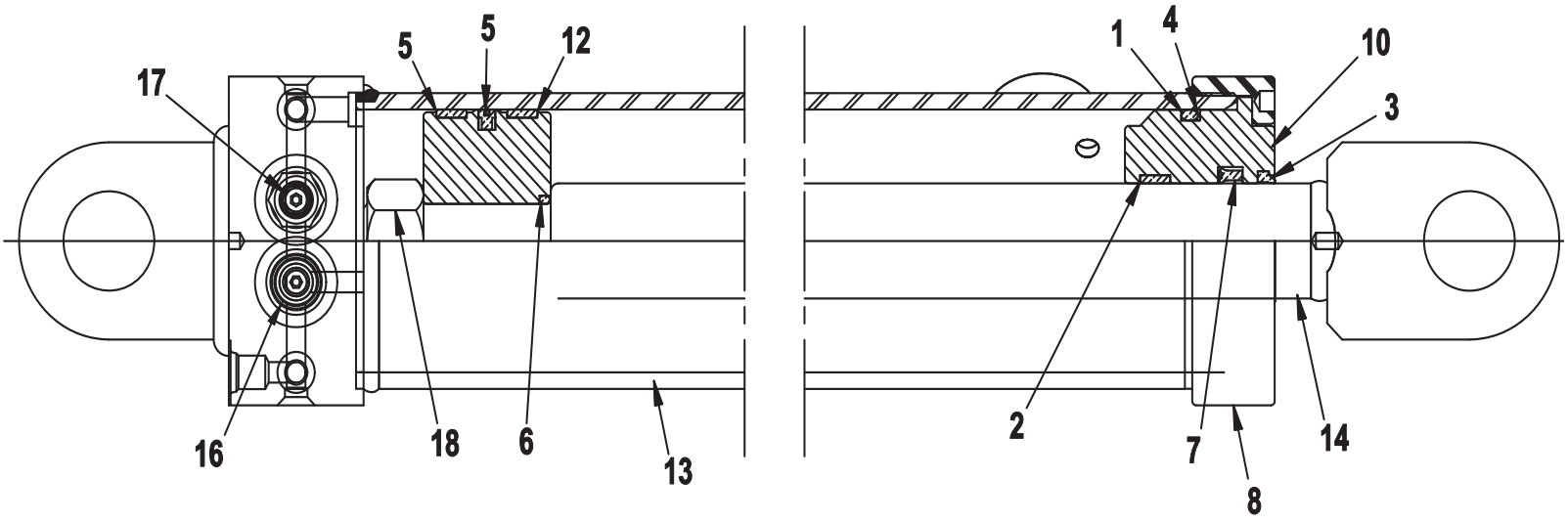




ROD END MOUNT DETAIL

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214518-01-C6	U-CUP	2
2	214518-01-C7	BACK-UP	1
3	214518-01-C8	O-RING	1
4	214518-01-C9	HEX BOLT	2
5	214518-01-C10	LOCK WASHER	2
6	214518-01-C11	O-RING	1
7	214518-01-C12	POLY PACK	1
8	214518-01-C13	WIPER	1
9	89028-04-C8	HEAD CAP	1
10	214518-01-C14	HEAD CAP	1
11	214518-01-C15	PISTON	1
12	214518-01-C16	TUBE	1
13	214518-01-C17	ROD	1
14	214518-01-C3	CLEVIS PIN	2
15	214518-01-C4	PIN HOLDER	2
16	29H98-C2	COUNTER BALANCE VALVE	1
17	214518-01-C18	LOCK NUT	1
18	92784-01-C1	SEAL KIT	1
19			
20			

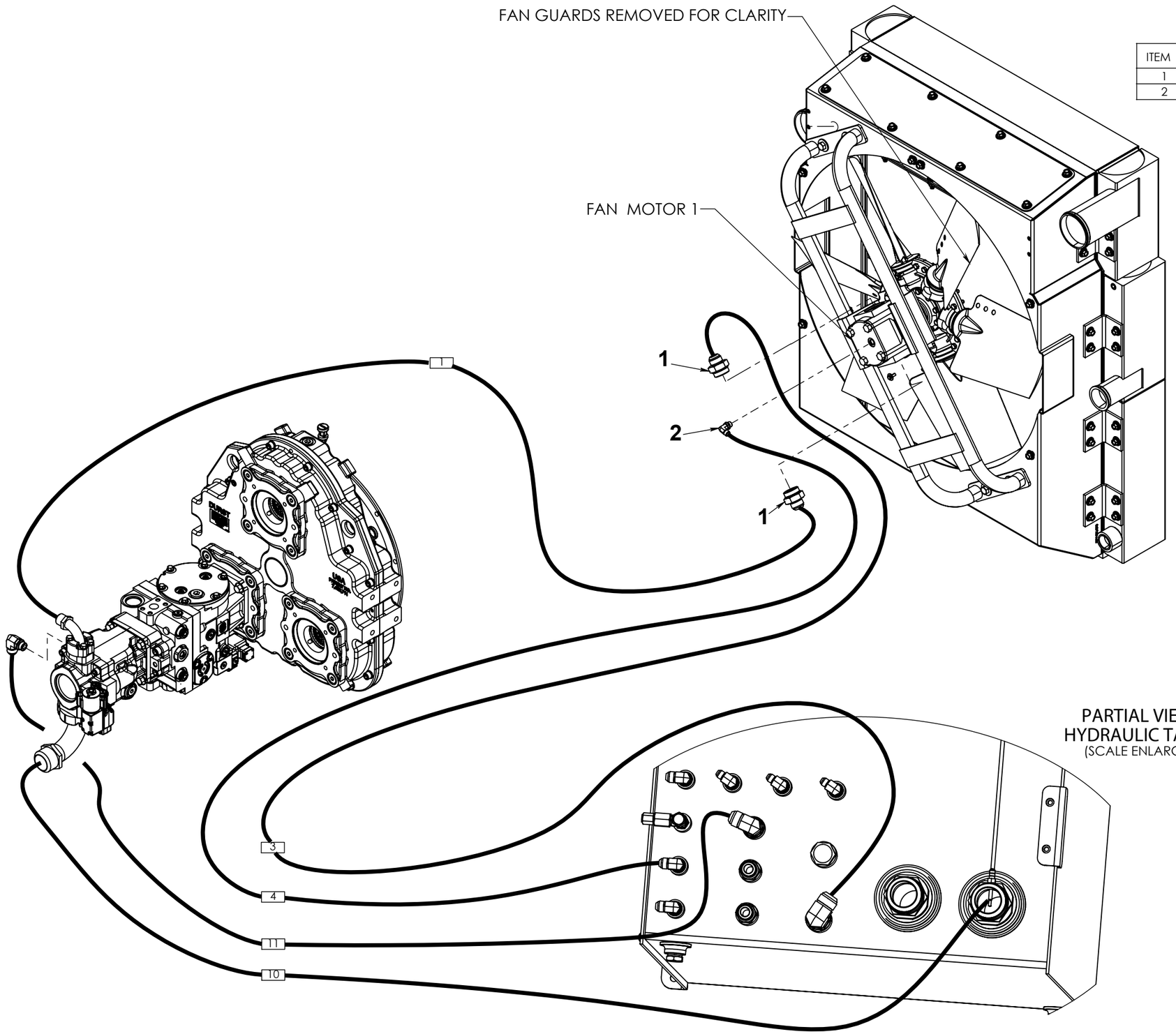
CYLINDER, C-3 SWING
(144901-01)



ITEM #	PART NO.	DESCRIPTION	QTY.
1	144901-01-C8	O-RING	1
2	144901-01-C9	WEAR BAND	1
3	144901-01-C10	WIPER	1
4	144901-01-C11	BACK UP	1
5	144901-01-C12	U-CUP	2
6	144901-01-C13	O-RING	1
7	144901-01-C14	POLY PAK	1
8	144901-01-C3	HEAD CAP	1
9	144901-01-C15	COTTER PIN	1
10	144901-01-C5	HEAD	1
11	149430-03	CLEVIS PIN	1
12	144901-01-C16	PISTON	1
13	144901-01-C17	TUBE	1
14	144901-01-C4	ROD	1
15	129578-04	CLEVIS PIN	1
16	144901-01-C18	PLUG	1
17	144901-01-C19	COUNTER BALANCE VALVE	2
18	144901-01-C2	LOCK NUT	2
19	93015-C1	SEAL KIT	1
20			

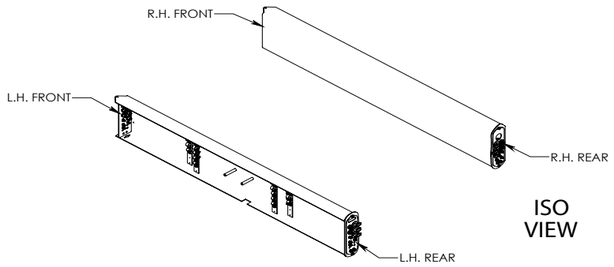
ASSEMBLY- COOLING FAN HYDRAULICS
(244155-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	84632-04	FIT * CONNECTOR 16 JIC - 20 SAE M.	2
2	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	1



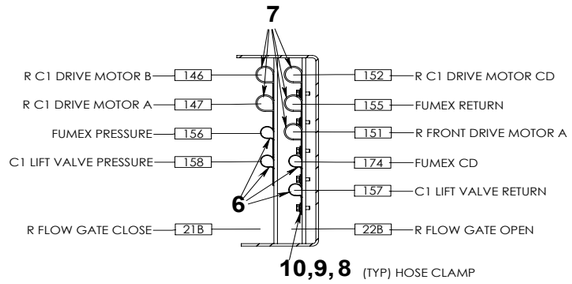
PARTIAL VIEW
HYDRAULIC TANK
(SCALE ENLARGED)

ASSEMBLY- HYDRAULIC TUB
(242062-01)

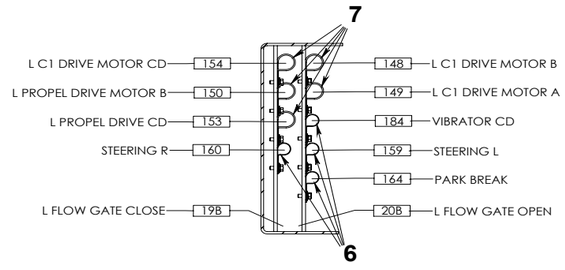


ISO VIEW

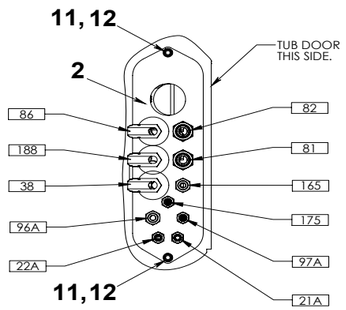
ITEM#	PART #	DESCRIPTION	QTY.
1	242090-03	ASSY-LT HYDRAULIC TUB BULKHEAD	1
2	242091-03	ASSY-RT HYDRAULIC TUB BULKHEAD	1
3	83476-04	FIT * BULKHEAD UNION 12 JIC	10
4	83453-04	FIT * UNION 8 JIC BULKHEAD STEEL	2
5	83475-04	FIT * BULKHEAD UNION 6 JIC ST	6
6	95966	CLAMP * 7/8"CUSHION-TUBE(3/8" BOLT)	16
7	16p29	CLAMP * BOLT SIZE 1/2"HOSE	20
8	89988-04	BOLT * HEX 1/4"-20 X 3/4"	36
9	83065	WASHER * LOCK 1/4" SPRING STEEL	36
10	84444	WASHER * FLAT 1/4" STEEL	36
11	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
12	83055	NUT * 3/8-16 HEX GRADE 8	4



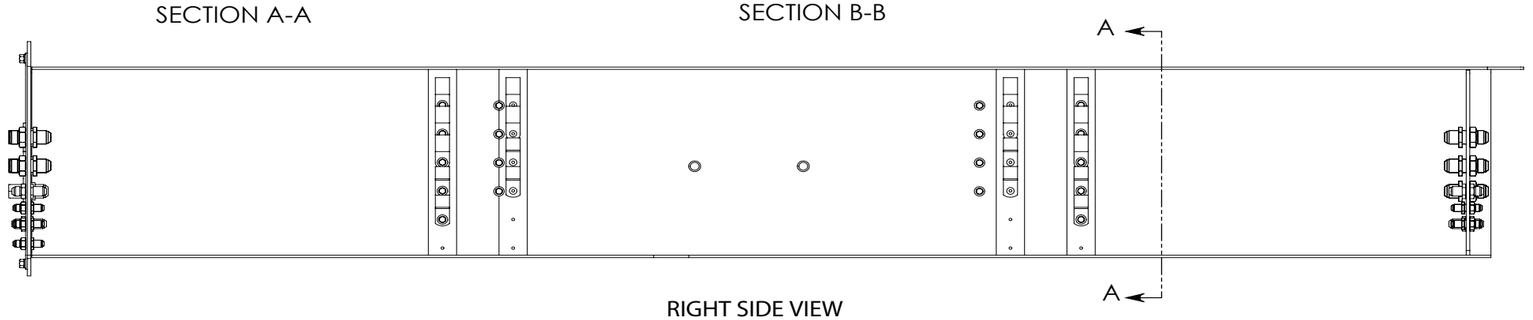
SECTION A-A



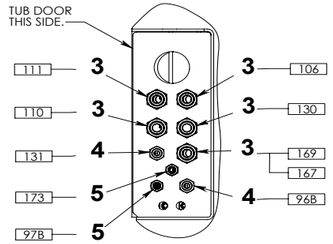
SECTION B-B



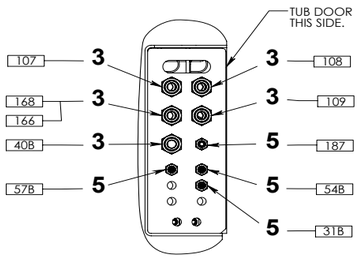
R.H. REAR VIEW



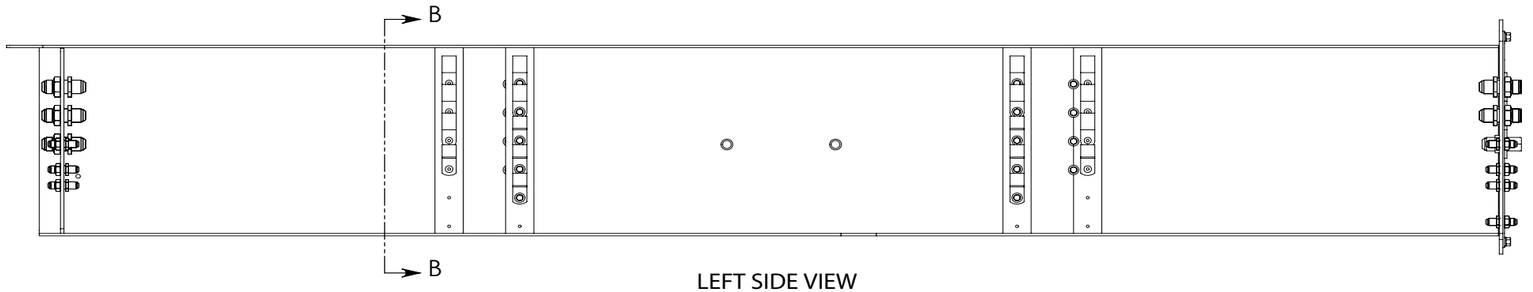
RIGHT SIDE VIEW



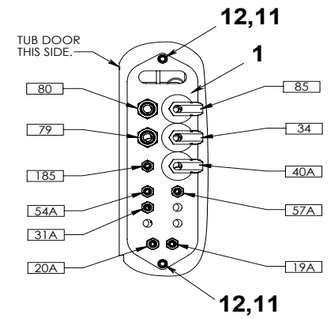
R.H. FRONT VIEW



L.H. FRONT VIEW



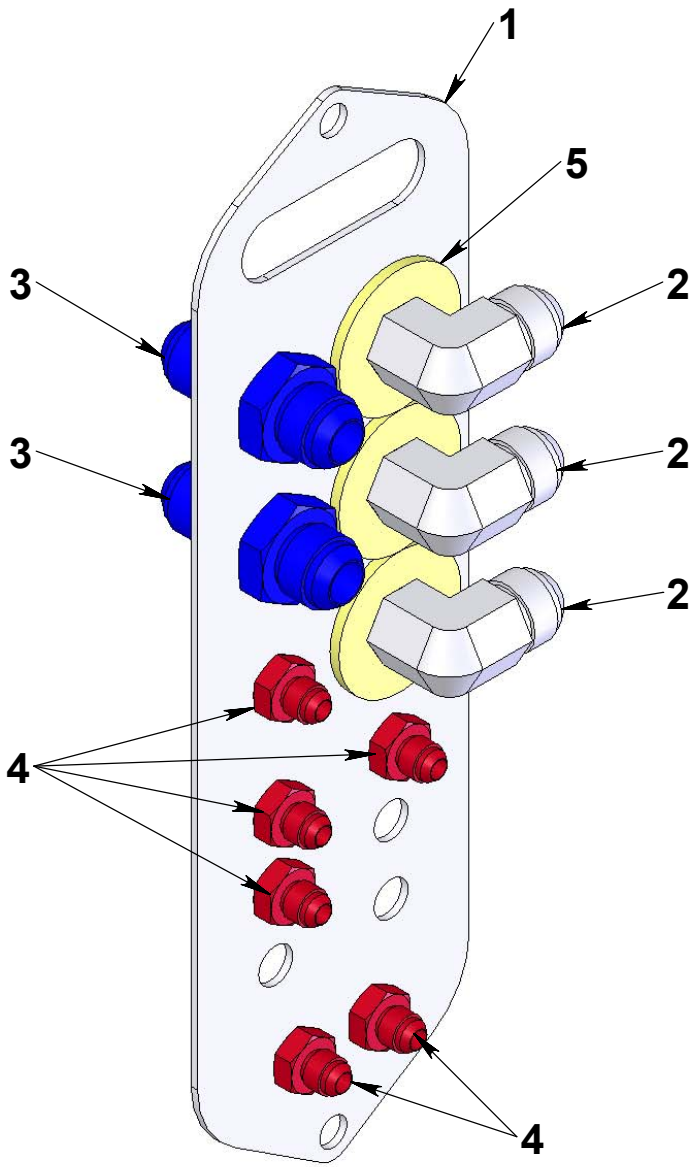
LEFT SIDE VIEW



L.H. REAR VIEW

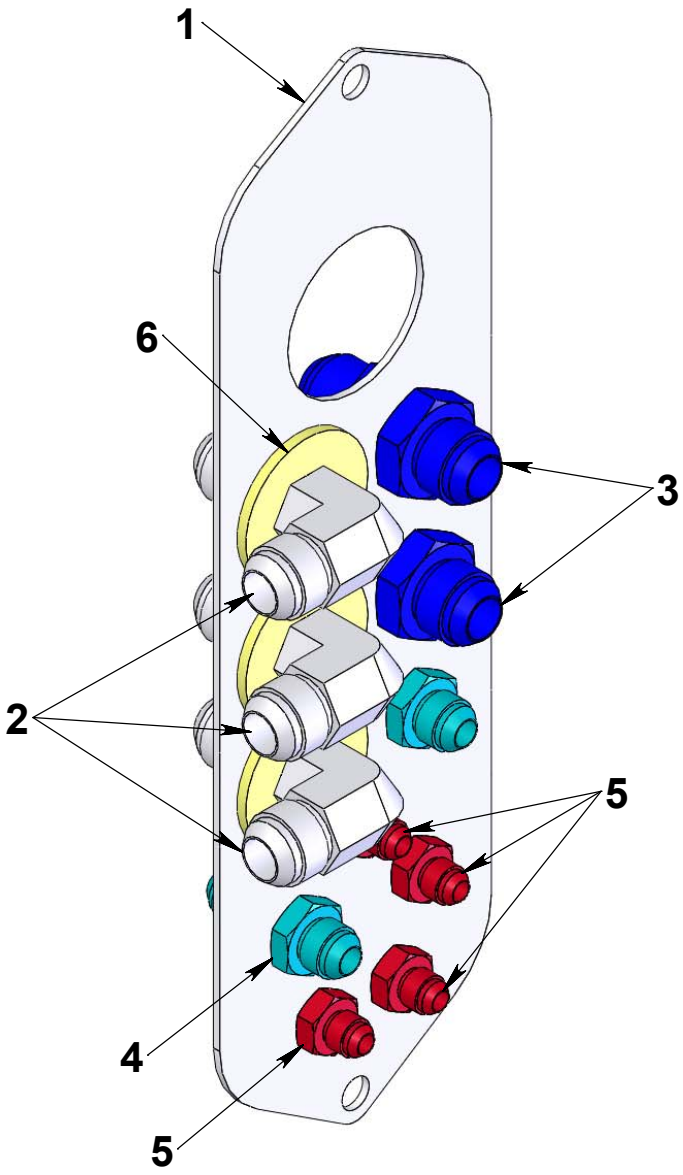
ROADTEC an Astec Industries Company

ASSY-LT HYDRAULIC TUB BULKHEAD (242090-03)



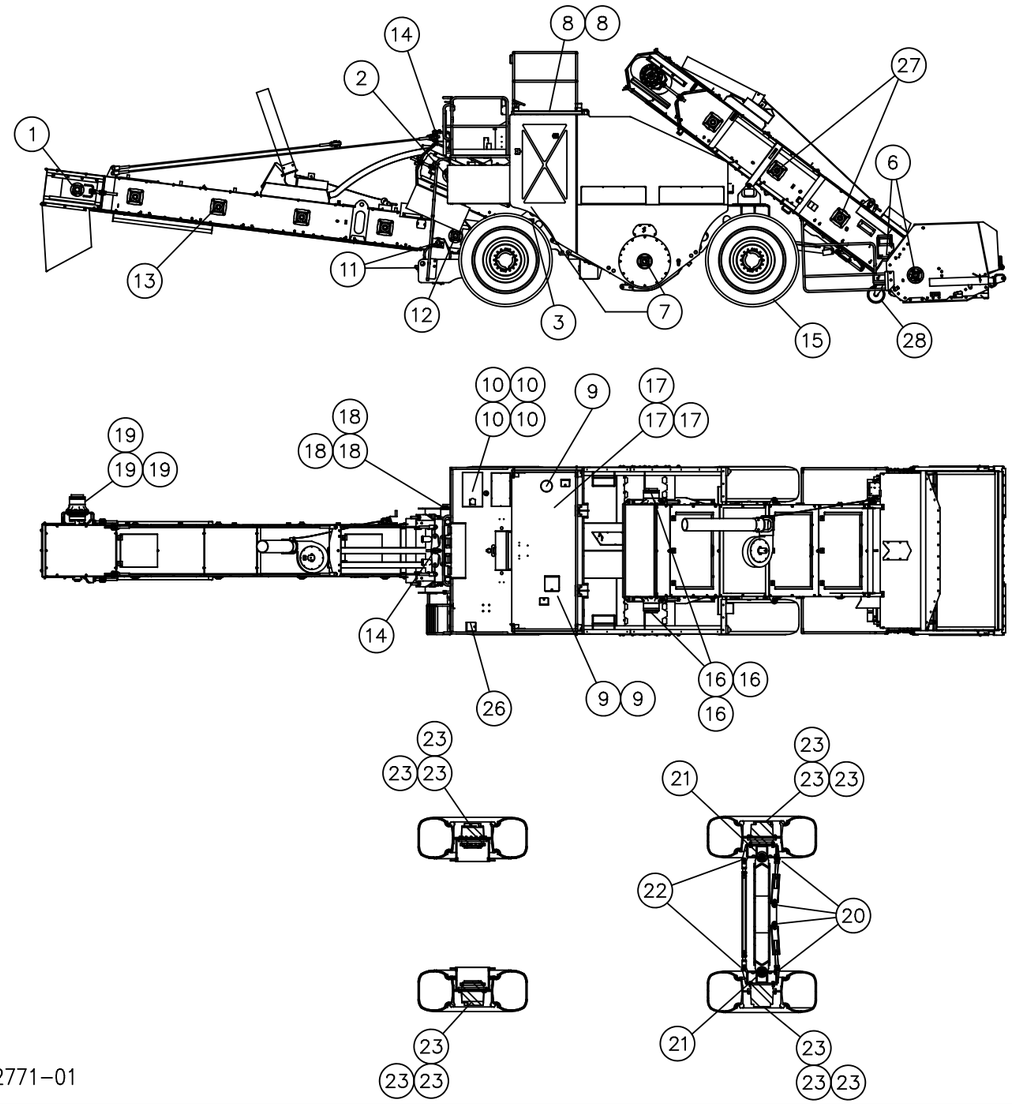
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	242042-04	DETAIL-LT HYD TUB BULKHEAD PLATE	1
2	99986	FIT * BULKHEAD 12 JIC 90 DEG.	3
3	83476-04	FIT * BULKHEAD UNION 12 JIC	2
4	83475-04	FIT * BULKHEAD UNION 6 JIC ST	6
5	10S89	WASHER ~ FLAT 1" A325	3

ASSY-RT HYDRAULIC TUB BULKHEAD (242091-03)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	242043-04	DETAIL-RT HYD TUB BULKHEAD PLATE	1
2	99986	FIT * BULKHEAD 12 JIC 90 DEG.	3
3	83476-04	FIT * BULKHEAD UNION 12 JIC	2
4	83453-04	FIT * UNION 8 JIC BULKHEAD STEEL	2
5	83475-04	FIT * BULKHEAD UNION 6 JIC ST	4
6	10S89	WASHER ~ FLAT 1" A325	3

SB-2500ex LUBRICATION CHART (ENGLISH)



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

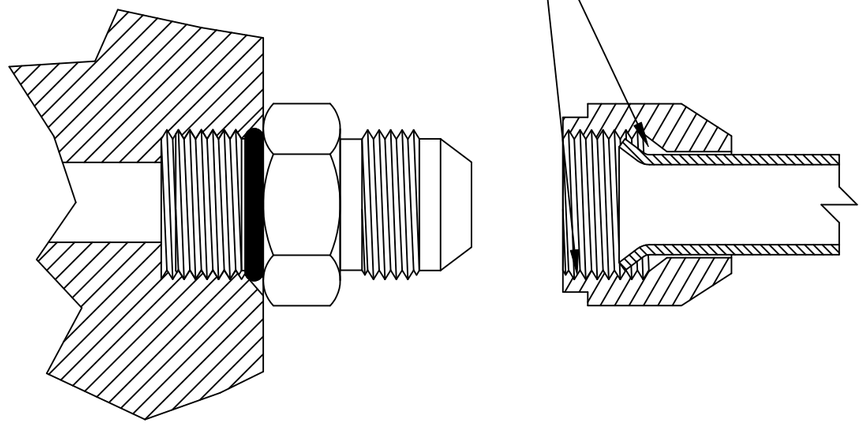
INTERVAL HOURS	REF NO	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
GREEN 250 HOURS	9	ENGINE AIR FILTER	2	N/A	CHECK AND REPLACE (IF NECESSARY)
	9	ENGINE OIL AND FILTER	1 EA	EO	CHANGE
	9	FUEL FILTER	3	N/A	CHANGE
	10	HYDRAULIC TANK	1	HO	DRAIN ACCUMULATED WATER & REFILL
	10	HYDRAULIC FILTERS	6	N/A	REPLACE ELEMENTS IN EACH CANNISTER & THE HIGH PRESSURE FILTER
	10	HYDRAULIC TANK BREATHER FILTER	1	N/A	CHECK & REPLACE IF NECESSARY
	16	C-1 GEARBOX	2	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	17	PUMP DRIVE	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	18	C-2 GEARBOX	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	19	C-3 GEARBOX	1	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	23	GEAR DRIVE W/PARK BRAKE	4	GO	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	26	FUEL TANK	1	N/A	DRAIN ACCUMULATED WATER & REFILL
BLUE 1000 HOURS	8	RADIATOR	1	50/50 ANTIFREEZE	DRAIN-CLEAN-REFILL REPLACE CONDITIONER
	10	HYDRAULIC TANK	1	HO	DRAIN & FLUSH OIL-CHANGE ALL FILTERS-CLEAN ALL BREATHERS
	16	C-1 GEARBOX	2	GO	DRAIN-FLUSH-REFILL
	17	PUMP DRIVE	1	GO	DRAIN-FLUSH-REFILL
	18	C-2 GEARBOX	1	GO	DRAIN-FLUSH-REFILL
	19	C-3 GEARBOX	1	GO	DRAIN-FLUSH-REFILL
	23	GEAR DRIVE W/PARK BRAKE	4	GO	DRAIN-FLUSH-REFILL

EO - ENGINE OIL-SAE 15W40-VALVOLINE PREMIUM BLUE, ALL-FLEET PLUS OR EQUIVALENT
HTG - HIGH TEMPERATURE GREASE-NGLI GRADE2-VALVOLINE CERULEAN, PALLADIUM, OR EQUIVALENT
HO - HYDRAULIC OIL-ISO VIS. GRADE 46-VALVOLINE ANTI-WEAR HYDRAULIC OIL OR EQUIVALENT
GO - GEAR OIL-EP-90 VALVOLINE HIGH PERFORMANCE GEAR OIL OR EQUIVALENT
(*FOR AXLES, USE MIL-L 2105C 80W/90 OR EQUIVALENT)

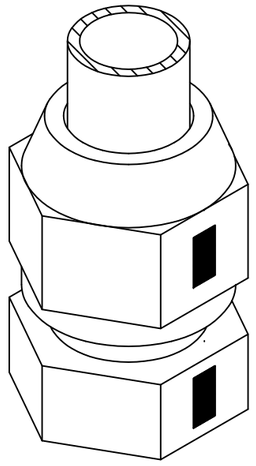
Valvoline.

242771-01

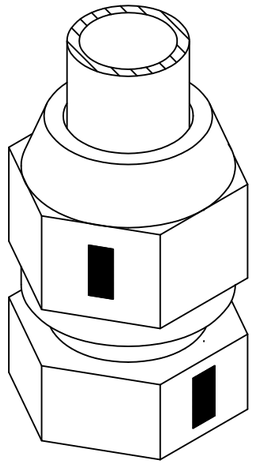
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



EXAMPLE - #8 JIC HOSE END



SNUG JOINT WITH FLATS MARKED



TIGHT JOINT WITH 1 FLAT FROM FINGER TIGHT

JIC FITTING INSTALLATION

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

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

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

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

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

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

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

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

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

ROADTEC

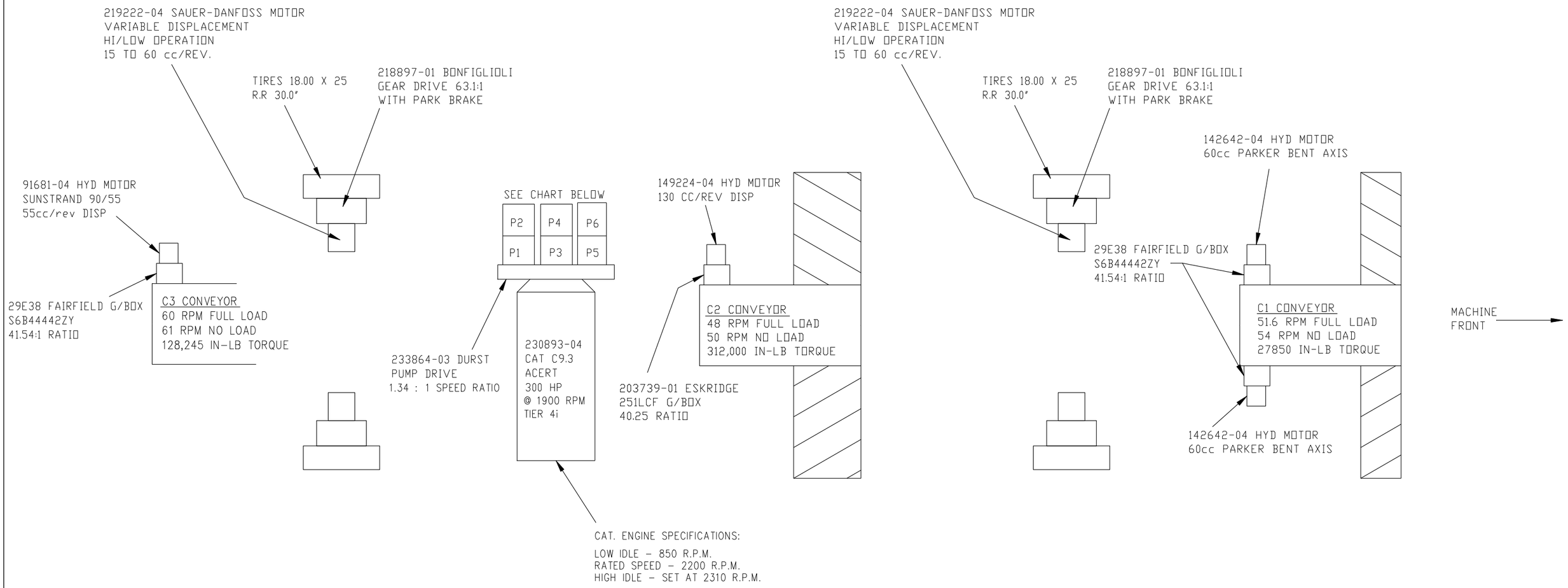
PART NAME: INSTRUCTIONS - JIC FITTING ASSEMBLY

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

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

SCALE: NONE | DATE: 5/19/97

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



PUMP CHART

PUMP	PART No	DESCRIPTION	TYPE	SYSTEM RELIEF	CHARGE RELIEF	CHARGE DISP.
P1	233837-04	PROPEL	SAUER 90/100	6500 PSI	350 PSI	31 CC
P2	217790-04	AUXILLIARY	SAUER J60	2500 PSI	N/A	N/A
P3	99814	C2 CONVEYOR	SAUER 90/100	5300 PSI	350 PSI	20 CC
P4	233849-04	C3 CONVEYOR	SAUER 90/75	5700 PSI	350 PSI	17 CC
P5	99814	C1 CONVEYOR	SAUER 90/100	5700 PSI	350 PSI	20 CC
P6	233856-04	COOLING FAN	SAUER J45	2500 PSI	N/A	N/A

TRAVEL SPEED	
LOW (63:1 @ 60cc)	HIGH (63:1 @ 20cc)
267.5 FT/MIN	9.1 MPH (802.25 FPM)

△	I	E	T	N	P	F	C	M	MC	A			

REPLACES DWG. # 226500-01 TIER 4i

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

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

ROADTEC

PART NAME: SB-2500E T4 SPEED CHART

01 REQ'D PER 2500E | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 2002

DRAWN BY: JEH | CHECKED BY:

SCALE: 1 | DATE: 11/29/10

DWG NO: 236382-01 | REV: A

PARKER KIT #244291-04

REVISION 0

SB-2500EX TIER 3 LRC

DOCUMENT CHANGES ON ORIGINAL

Hose Type Codes

AS400 code	model	description
VAC	Parker 811 for size 20-32/881 for size 12 &	suction
LP	Parker 421 (Use series 43 fittings)	low pressure
STD	Parker 471TC for #4, #6 and #8 hose (Use	medium pressure
STD	Parker 451TC for #12 and #16 (Use series 43	medium pressure
HP797	Parker 797TC (Use series 77 fittings)	high pressure (6000 psi)
HT	Parker 943B (Hoses assembled by Parker	high temperature (450F)
SLEEVE	Partek "PS" series	ISO 6945 protective nylon

O6 ST=STRAIGHT
39 90=ELBOW 90 DEGREE
41 90LN=ELBOW LONG THROW 90 DEGREE
37 45=ELBOW 45 DEGREE

YELLOW HIGHLIGHTS INDICATE HOSES THAT DIFFER FROM THE "SB-2500E" HOSE KIT.

								HOSE END SIZE x HOSE I.D.			
HOSE #	**CIRCUIT**	**ROADTEC PN**	**FUNCTION**	**Tier#**	**HOSE SIZE**	**HOSE TYP**	**HOSE & SLEEVE CUT LENGTH**	**HOSE END #1**	**HOSE END #2**	**SLEEVE PN**	**O.A.L.**
1	COOLING FAN	244466S	FAN PUMP - FAN MTR 1	1	1	STD	130	16x16 ST	16x16 ST	206128-04	135
2	UNASSIGNED										
3	COOLING FAN	96841S	FAN MTR 2 RETURN - TANK	1	1	STD	110	16x16 ST	16x16 90	206128-04	115
4	COOLING FAN	97815S	FAN MTR 1 CD - TANK	1	0.375	STD	84	6x6 ST	8x6 ST	147462-04	87
5	COOLING FAN	241513S	FAN MTR 2 CD - TANK	1	0.375	STD	94	6x6 ST	8x6 ST	147462-04	97
6	BRAKES	241511S	DYNAMIC BRAKE VALVE*DB- RR BLKHD TEE	2	0.25	STD	116	6x4 ST	6x4 90	206126-04	119
7	HOOD	130186S	HOOD RAISE HOLD VALVE*B - HAND PMP*HR	4	0.25	STD	132	6x4 ST	6x4 90	206126-04	135
8	HOOD	204543S	HOOD LOWER VALVE*X - HAND PMP*PLT	4	0.25	STD	132	6x4 ST	6x4 LN 90	206126-04	135
9	HOOD	208528S	HOOD LOWER ROD E.CYL - AUX RETURN MFLD	4	0.25	STD	144	6x4 ST	6x4 ST	206126-04	147
10	COOLING FAN	237666S	FAN PUMP SUC - HYD TANK FILTER w/ TEMP SENSOR	11	2	VAC	28	32x32 ST	32x32 90	224423-04	
11	COOLING FAN	220020S	FAN PUMP CD - TANK	11	0.75	STD	42	12x12 ST	12x12 ST	206127-04	
12	FLOWGATES	216362S	FLOWGATES VALVE*PL - PLATFORM CYL RET	2	0.375	STD	158	6x6 ST	6x6 ST	147462-04	161
13	FLOWGATES	120125S	FLOWGATES VALVE*PR - PLATFORM CYL EXT	2	0.375	STD	124	6x6 ST	6x6 ST	147462-04	127
14	UNASSIGNED										
15	C3 DRIVE	244301S	C3 PUMP*B - MID BLKHD	9	1	HP797	130	16x16 ST	16x16 90	206128-04	
16	C3 DRIVE	244302S	C3 PUMP*A - TOP BLKHD	9	1	HP797	120	16x16 ST	16x16 ST	206128-04	
17	C3 DRIVE	145994	C3 DRIVE MTR*A - TOP BLKHD	9	1	HP797	274	16x16 ST	16x16 ST	NO SLEEVE	279
18	C3 DRIVE	145994	C3 DRIVE MTR*B - MID BLKHD	9	1	HP797	274	16x16 ST	16x16 ST	NO SLEEVE	279
19	A & B HOSES										
20	A & B HOSES										
21	A & B HOSES										
22	A & B HOSES										
23	FLOWGATES	241515S	FLOW GATE VALVE*T1 - C3 VALVE*T1	2	0.5	STD	21	8x8 ST	8x8 LN 90	147462-04	24
24	C3 CONTROLS	132363S	C3 VALVE*P - AUX PRESSURE MFLD	3	0.75	STD	11	12x12 ST	12x12 90	206127-04	14.54
25	C3 CONTROLS	128238S	C3 SWING VALVE*SA - TOP LH BASE CYL	3	0.25	STD	120	6x4 ST	6x4 90	206126-04	123
26	C3 CONTROLS	128238S	C3 SWING VALVE*SB - BOTTOM LH ROD E.CYL	3	0.25	STD	120	6x4 ST	6x4 90	206126-04	123
27	C3 CONTROLS	128254S	C3 LIFT VALVE*CR - ROD E.CYL	3	0.25	STD	175	6x4 ST	6x4 90	206126-04	178
28	C3 CONTROLS	128254S	C3 LIFT VALVE*CL - BASE CYL	3	0.25	STD	175	6x4 ST	6x4 90	206126-04	178
29	UNASSIGNED										
30	UNASSIGNED										
31	A & B HOSES										
32	UNASSIGNED										
33	UNASSIGNED										
34	PROPEL	99650S	PUMP*B RETURN - LH TUB RS	7	0.75	HP797	48	12x12 ST	12x12 ST	206128-04	52
35	PROPEL	244692S	DIFF LOCK*A - RR BLKHD TEE TOP	7	0.75	HP797	55	12x12 ST	12x12 ST	206128-04	59
36	PROPEL	140951S	PUMP*B RETURN - RR BLKHD TEE MID	7	0.75	HP797	137	12x12 ST	12x12 ST	206128-04	
37	PROPEL	244693S	PUMP*A PR - DIFF LOCK*P	7	1	HP797	52	16x16 ST	16x16 90	206128-04	57
38	PROPEL	244694S	DIFF LOCK*B - RH TUB LS	7	0.75	HP797	117	12x12 ST	12x12 90	206128-04	122
39	PROPEL	243557S	PROPEL PMP*SUCTION - HYD TANK FILTER	1	1.25	VAC	51	20x20 ST	20x20 90	148915-04	56
40	A & B HOSES										
41	PROPEL	120187S	BTM RR BLKHD CD TEE - CD RETRUN MFLD	7	0.75	STD	118	12x12 ST	12x12 ST	206127-04	121
42	BRAKES	129765S	BRAKE HAND PMP PILOT*P - AUX PR MFLD	4	0.375	STD	54	6x6 ST	6x6 90	147462-04	58
43	UNASSIGNED										
44	UNASSIGNED										
45	PROPEL	122761S	HAND PMP*DL - DIFF LOCK*PS	4	0.375	STD	71	6x6 ST	6x6 90	147462-04	74
46	PROPEL	99685S	HAND PMP*T2 - DIFF LOCK*L	4	0.375	STD	67	6x6 ST	6x6 90	147462-04	70

HOSE #	CIRCUIT	ROADTEC PN	FUNCTION	Tier#	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN	O.A.L.
47	BRAKES	208103S	BRAKE HAND PMP PILOT*T1 - HYD TANK	4	0.5	STD	95	8x8 ST	8x8 90	147462-04	98
48	C2 COD	230869S	C2 COD VALVE - RH BASE CYL	4	0.375	STD	60	6x6 ST	6x6 90	147462-04	63
49	C2 COD	97280-04S	C2 COD RETURN VALVE*T - RETURN MFLD	4	0.375	STD	120	6x6 ST	6x6 ST	147462-04	123
50	C2 COD	93314-04S	C2 COD PR VALVE*P - PR MFLD	4	0.375	STD	112	6x6 ST	6x6 ST	147462-04	115
51	C2 COD	238861S	C2 COD VALVE - RH ROD E.CYL	4	0.375	STD	62	6x6 ST	6x6 90	147462-04	65
52	C2 COD	130005S	C2 COD JUMP CYL - BASE CYL	4	0.375	STD	80	6x6 ST	6x6 ST	147462-04	83
53	C2 COD	130005S	C2 COD JUMP CYL - ROD E.CYL	4	0.375	STD	80	6x6 ST	6x6 ST	147462-04	83
54	A & B HOSES										
55	STEERING	240258S	STEER VALVE*T - AUX RETURN MFLD	5	0.375	STD	151	6x6 ST	6x6 LN 90	147462-04	154
56	STEERING	135628S	STEER VALVE*P - AUX PR MFLD	5	0.375	STD	142	6x6 ST	6x6 90	147462-04	145
57	A & B HOSES										
58	STEERING	99666	STEER JUMP RH BASE CYL - LH ROD E.CYL	5	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE	29
59	STEERING	99666	STEER JUMP LH BASE CYL - RH ROD E.CYL	5	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE	29
60	AUX & OIL COOLER	244468S	COOLER OUT - HYD TANK	8	1.5	VAC	107	24x24 ST	24x24 ST	147464-04	109
61	AUX & OIL COOLER	134617S	COOLER IN - CD RETURN MFLD	8	1.5	VAC	78	24x24 ST	24x24 ST	147464-04	122
62	AUX & OIL COOLER	132285S	AUX RETURN MFLD - TANK FLTR	11	0.75	STD	84	12x12 ST	12x12 90	206127-04	88
63	AUX & OIL COOLER	243559S	AUX PUMP*SUC - TANK STRAINER	1	2	VAC	11	32x32 ST	32x32 90	224423-04	19
64	AUX & OIL COOLER	243555S	AUX PUMP*PR - HI PRES FLTR	1	1	STD	59	16x16 ST	16x16 90	206128-04	64
65	C1 DRIVE	219324S	C1 PUMP*CD - CD RETURN MFLD	1	0.75	STD	37	12x12 ST	12x12 ST	206127-04	41
66	C2 DRIVE	149742S	C2 PUMP*SUC - HYD TANK FILTER	1	1.25	VAC	47	20x20 ST	20x20 90	148915-04	52
67	C2 DRIVE	132286S	C2 PUMP*CD - CD RETURN MFLD	1	0.75	STD	28	12x12 ST	12x12 ST	206127-04	32
68	C2 DRIVE	148497S	C2 DRIVE MTR*CD - CD RETURN MFLD	8	0.75	STD	80	12x12 ST	12x12 ST	206127-04	83
69	C2 DRIVE	218601S	C2 PUMP*A - DRIVE MTR*B	8	1.25	HP797	78	20x20 ST	20x20 ST	147464-04	83
70	C2 DRIVE	218600S	C2 PUMP*B - DRIVE MTR*A	8	1.25	HP797	72	20x20 ST	20x20 ST	147464-04	77
71	C3 DRIVE	120187S	C3 DRIVE MTR*CD - BTM BLKHD - CD RETURN MFLD	9	0.75	STD	118	12x12 ST	12x12ST	206127-04	121
72	PROPEL	227315-04S	RR DRIVE LH MTR*A - RR BLKHD TEE TOP	7	0.75	HP797	36	12x12 ST	12x12 90	206128-04	40
73	PROPEL	227315-04S	RR DRIVE RH MTR*B - RR BLKHD TEE TOP	7	0.75	HP797	36	12x12 ST	12x12 90	206128-04	40
74	PROPEL	227315-04S	RR DRIVE LH MTR*B - RR BLKHD TEE MID	7	0.75	HP797	36	12x12 ST	12x12 90	206128-04	40
75	PROPEL	227315-04S	RR DRIVE RH MTR*A - RR BLKHD TEE MID	7	0.75	HP797	36	12x12 ST	12x12 90	206128-04	40
76	UNASSIGNED										
77	C3 DRIVE	134047S	C3 PUMP*CD - HYD TANK	1	0.75	STD	66	12x12 ST	12x12 90	206127-04	70
78	C3 DRIVE	243556S	C3 PUMP*SUC - HYD TANK FILTER	1	1	VAC	55	16x16 ST	16x16 90	206128-04	60
79	C1 DRIVE	243541S	LH C1 PUMP*A PR - LH TUB LS	6	0.75	HP797	39	12x12 ST	12x12 90	206128-04	44
80	C1 DRIVE	132362S	LH C1 PUMP*B RETURN - LH TUB LS TOP	6	0.75	HP797	25	12x12 ST	12x12 90	206128-04	31
81	C1 DRIVE	201257-04S	RH C1 PUMP*B RETURN - RH TUB RS	6	0.75	HP797	99	12x12 ST	12x12 90	206128-04	104
82	C1 DRIVE	243542S	RH C1 PUMP*A PR - RH TUB RS TOP	6	0.75	HP797	110	12x12 ST	12x12 90	206128-04	115
83	AUX & OIL COOLER	93321-04S	AUX PUMP*CD - HYD TANK	1	0.75	STD	31	12x12 ST	12x12 ST	206127-04	
84	C1 DRIVE	244695S	C1 PUMP*SUC - HYD TANK FLTR	1	1.25	VAC	54	20x20 ST	20x20 90	148915-04	59
85	C1 DRIVE	243552S	LH C1 DRIVE MTR*CD - LH TUB RS - CD RETURN MFLD	6	0.75	STD	87	12x12 ST	12x12 ST	206127-04	91
86	C1 DRIVE	120759S	RH C1 DRIVE MTR*CD - RH TUB LS - CD RETURN MFLD	6	0.75	STD	158	12x12 ST	12x12 ST	206127-04	162
87	ENGINE	201297S	DURST DRAIN	1	0.5	STD	82	8x8 ST	8x8 90	147462-04	85
88	C1 HOPPER	218621S	VIBRATOR - PR VALVE*V - IN V.MTR	10	0.25	STD	167	6x4 ST	6x4 ST	206126-04	170
89	C1 HOPPER	223444S	VIBRATOR - T VALVE*T - OUT V.MTR	10	0.25	STD	156	6x4 ST	6x4 45	206126-04	159
90	C1 HOPPER	238862S	D HOPPER VALVE*HL - RH ROD E.CYL	10	0.25	STD	127	6x4 ST	6x4 ST	206126-04	130
91	C1 HOPPER	243546S	D HOPPER VALVE*HR - RH BASE CYL	10	0.25	STD	123	6x4 ST	6x4 ST	206126-04	126
92	C1 HOPPER	243547S	D HOPPER VALVE*HR - LH BASE CYL	10	0.25	STD	211	6x4 ST	6x4 ST	206126-04	214
93	C1 HOPPER	207854S	D HOPPER VALVE*HL - LH ROD E.CYL	10	0.25	STD	222	6x4 ST	6x4 ST	206126-04	225
94	C1 HOPPER	141419S	C1 HPR CTRLS MFLD*T - C1 LIFT VALVE*T	10	0.5	STD	130	8x8 ST	8x8 90	147462-04	133
95	C1 HOPPER	130984S	C1 HPR CTRLS MFLD*P - C1 LIFT VALVE*P	10	0.375	STD	130	6x6 ST	6x6 90	147462-04	121
96	A & B HOSES										
97	A & B HOSES										
98	C1 RAISE	99665	C1 LIFT VALVE*B - RH C1 LIFT CYL ROD E.	10	0.375	STD	26	6x6 ST	6x6 90	NO SLEEVE	29
99	C1 RAISE	99666	C1 LIFT VALVE*A - LH C1 LIFT CYL BASE	10	0.375	STD	26	6x6 ST	6x6 ST	NO SLEEVE	29
100	C1 RAISE	120164	C1 LIFT VALVE*A - RH C1 LIFT CYL BASE	10	0.375	STD	23	6x6 ST	6x6 90	NO SLEEVE	25.55
101	C1 RAISE	120826	C1 LIFT VALVE*B - LH C1 LIFT CYL ROD E.	10	0.375	STD	23	6x6 ST	6x6 ST	NO SLEEVE	25.54
102	PROPEL	130210S	FR DRIVE LH MTR*CD - FR BLKHD TEE	7	0.5	STD	46	8x8 ST	8x8 90	147462-04	49
103	PROPEL	130210S	FR DRIVE RH MTR*CD - FR BLKHD TEE	7	0.5	STD	46	8x8 ST	8x8 90	147462-04	49
104	PROPEL	97852S	RR DRIVE LH MTR*CD - RR BLKHD TEE BTM	7	0.75	STD	40	12x12 ST	12x12 90	206127-04	44
105	PROPEL	125617S	RR DRIVE RH MTR*CD - RR BLKHD TEE BTM	7	0.75	STD	48	12x12 ST	12x12 90	206127-04	52

HOSE #	CIRCUIT	ROADTEC PN	FUNCTION	Tier#	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN	O.A.L.
106	C1 DRIVE	93348-04	RH C1 DRIVE MTR*CD - RH TUB LS	6	0.75	STD	168	12x12 ST	12x12 ST	NO SLEEVE	172
107	C1 DRIVE	93348-04	LH C1 DRIVE MTR*CD - LH TUB RS	6	0.75	STD	168	12x12 ST	12x12 ST	NO SLEEVE	172
108	C1 DRIVE	238452-04	LH C1 DRIVE MTR*B PR - LH TUB LS TOP	6	0.75	HP797	168	12x12 ST	12x12 ST	NO SLEEVE	172
109	C1 DRIVE	238452-04	LH C1 DRIVE MTR*A RETURN - LH TUB LS	6	0.75	HP797	168	12x12 ST	12x12 ST	NO SLEEVE	172
110	C1 DRIVE	238452-04	RH C1 DRIVE MTR*A PR - RH TUB RS	6	0.75	HP797	168	12x12 ST	12x12 ST	NO SLEEVE	172
111	C1 DRIVE	238452-04	RH C1 DRIVE MTR*B RETURN - RH TUB RS TOP	6	0.75	HP797	168	12x12 ST	12x12 ST	NO SLEEVE	172
112	PROPEL	244467S	PROPEL PUMP*CD - CD RETURN MFLD	1	0.75	STD	12	12x12 ST	12x12 ST	206127-04	16
113	ENGINE	141428S	ENG OIL DRAIN	1	0.75	STD	44	12x12 ST	12x12 ST	206127-04	48
114	BRAKES	129391S	DYN BRAKE RH CALP - RR BLKHD TEE	2	0.25	STD	30	4x4 ST	6x4 ST	206126-04	32.5
115	BRAKES	129391S	DYN BRAKE LH CALP - RR BLKHD TEE	2	0.25	STD	30	4x4 ST	6x4 ST	206126-04	32.5
116	UNASSIGNED										
117	C3 DRIVE	127788	C3 DRIVE MTR*CD - BTM BLKHD	9	0.75	STD	274	12x12 ST	12x12 ST	NO SLEEVE	278
118	UNASSIGNED										
119	UNASSIGNED										
120	FUME-X	96826S	FXS PUMP*PR - FXS VALVE*P	1	0.5	STD	124	8x8 ST	8x8 90	147462-04	127
121	UNASSIGNED										
122	C3 CONTROLS	93294-04S	C3 SWING TOP JUMPER CYL-CYL TOP	3	0.25	STD	42	6x4 ST	6x4 90	206126-04	45
123	C3 CONTROLS	93294-04S	C3 SWING BTM JUMPER CYL-CYL BTM	3	0.25	STD	42	6x4 ST	6x4 90	206126-04	45
124	FUME-X	240256S	FXS VALVE*T - HYD TANK	11	0.5	STD	158	8x8 ST	8x8 ST	147462-04	164
125	BRAKES	130288S	DYN BRAKE JUMPER LH 1ST	2	0.25	STD	5	4x4 ST	4x4 ST	206126-04	7.5
126	BRAKES	130288S	DYN BRAKE JUMPER LH 2ND	2	0.25	STD	5	4x4 ST	4x4 ST	206126-04	7.5
127	BRAKES	130288S	DYN BRAKE JUMPER RH 1ST	2	0.25	STD	5	4x4 ST	4x4 ST	206126-04	7.5
128	BRAKES	130288S	DYN BRAKE JUMPER RH 2ND	2	0.25	STD	5	4x4 ST	4x4 ST	206126-04	7.5
129	FUME-X	148493S	FXS C3 BLKHD*RETURN - HYD TANK	11	0.75	STD	173	12x12 ST	12x12 ST	206127-04	177
130	FUME-X	201291S	FXS C1 MTR*RETURN - RH TUB LS	11	0.75	STD	115	12x12 ST	12x12 ST	206127-04	119
131	FUME-X	130139S	FXS C1 MTR*PR - RH TUB RS	11	0.5	STD	110	8x8 ST	8x8 ST	147462-04	113
132	C3 CONTROLS	128974S	C3 COD BLKHD RH - BASE CYL	3	0.25	STD	52	6x4 ST	6x4 90	206126-04	55
133	C3 CONTROLS	122295S	C3 COD BLKHD LH - ROD E.CYL	3	0.25	STD	48	6x4 ST	6x4 90	206126-04	51
134	C3 CONTROLS	130200S	C3 COD VALVE*CB - BLKHD RH	3	0.25	STD	102	6x4 ST	6x4 ST	206126-04	105
135	C3 CONTROLS	130200S	C3 COD VALVE*CA - BLKHD LH	3	0.25	STD	102	6x4 ST	6x4 ST	206126-04	105
136	C3 CONTROLS	130003	C3 VALVE*T - AUX RETURN MFLD	3	0.75	STD	12	12x12 ST	12x12 90	206127-04	16
137	FLOWGATES	241515S	FLOWGATE*P1 - C3 VALVE*P1	2	0.5	STD	21	8x8 ST	8x8 LN 90	147462-04	24
138	C1 HOPPER	93307-04S	C1 COD VALVE*CL - BASE CYL	10	0.25	STD	77	6x4 ST	6x4 ST	206126-04	80
139	C1 HOPPER	134013S	C1 COD VALVE*CR - ROD E.CYL	10	0.25	STD	80	6x4 ST	6x4 90	206126-04	83
140	BRAKES	134487S	RR PARK BRAKE VALVE*B - MID BLKHD TEE	4	0.25	STD	114	6x4 ST	6x4 90	206126-04	117
141	BRAKES	120147S	RR RH PARK BRAKE - MID BLKHD TEE	2	0.25	STD	45	6x4 ST	6x4 ST	206126-04	48
142	BRAKES	134196S	FR LH PARK BRAKE - FR BLKHD TEE	2	0.25	STD	59	6x4 ST	6x4 ST	206126-04	62
143	BRAKES	120147S	RR LH PARK BRAKE - MID BLKHD TEE	2	0.25	STD	45	6x4 ST	6x4 ST	206126-04	48
144	BRAKES	134196S	FR RH PARK BRAKE - FR BLKHD TEE	2	0.25	STD	59	6x4 ST	6x4 ST	206126-04	62
145	UNASSIGNED										
146	C1 DRIVE	201296-04	RH C1 DRIVE MTR*B RETURN - RH TUB RS TOP	6	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
147	C1 DRIVE	201296-04	RH C1 DRIVE MTR*A PR - RH TUB RS	6	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
148	C1 DRIVE	201296-04	LH C1 DRIVE MTR*B PR - LH TUB LS TOP	6	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
149	C1 DRIVE	201296-04	LH C1 DRIVE MTR*A RETURN - LH TUB LS	6	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
150	PROPEL	201296-04	FR DRIVE MTR'S*RETURN - LH TUB RS	7	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
151	PROPEL	201296-04	FR DRIVE MTR'S*PR - RH TUB LS	7	0.75	HP797	96	12x12 ST	12x12 ST	NO SLEEVE	100
152	C1 DRIVE	125466	RH C1 DRIVE MTR*CD - RH TUB LS TOP	6	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
153	PROPEL	125466	FR DRIVE MTR'S*CD BK HD TEE - LH TUB RS	7	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
154	C1 DRIVE	125466	LH C1 DRIVE MTR*CD - LH TUB RS TOP	6	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
155	FUME-X	125466	FXS C1 MTR*RT - RH TUB LS	11	0.75	STD	96	12x12 ST	12x12 ST	NO SLEEVE	100
156	FUME-X	93339-04	FXS C1 MTR*PR - RH TUB RS	11	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE	101
157	C1 RAISE	93339-04	C1 AUX RETURN MFLD - RH TUB LS	10	0.5	STD	98	8x8 ST	8x8 ST	NO SLEEVE	101
158	C1 RAISE	201298	C1 AUX PR MFLD - RH TUB RS	5	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
159	STEERING	201298	L STEER*L - LH TUB LS	5	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
160	STEERING	201298	R STEER*R - LH TUB RS	10	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
161	FUME-X	97823	FXS C3 MTR*PR - BLKHD		0.75	STD	105	12x12 ST	12x12 ST	NO SLEEVE	109
162	FUME-X	141431	FXS C3 MTR*RETURN - BLKHD		0.75	STD	112	12x12 ST	12x12 ST	NO SLEEVE	116
163	FUME-X	125140	FXS C3 MTR*CD - BLKHD	11	0.375	STD	115	6x6 ST	6x6 ST	NO SLEEVE	118
164	BRAKES	134495	FR PARK BRAKE BLK HD - LH TUB LS	4	0.25	STD	98	6x4 ST	6x4 ST	NO SLEEVE	101

HOSE #	CIRCUIT	ROADTEC PN	FUNCTION	Tier#	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN	O.A.L.
165	FUME-X	135447S	FXS VALVE*BL - RH TUB RS	11	0.5	STD	15	8x8 ST	8x8 LN 90	147462-04	18
166	PROPEL	225606-04S	FR DRIVE LH MTR*B TOP - LH TUB RS	7	0.75	HP797	98	12x12 ST	12x12 45	206128-04	102
167	PROPEL	225606-04S	FR DRIVE RH MTR*B BTM - RH TUB LS	7	0.75	HP797	98	12x12 ST	12x12 45	206128-04	102
168	PROPEL	227317-04S	FR DRIVE RH MTR*A TOP - LH TUB RS	7	0.75	HP797	115	12x12 ST	12x12 45	206128-04	120
169	PROPEL	227317-04S	FR DRIVE LH MTR*A BTM - RH TUB LS	7	0.75	HP797	115	12x12 ST	12x12 45	206128-04	120
170	AUX & OIL COOLER	130014S	AUX PR MFLD - HI PRES FLTR	11	0.75	STD	28	12x12 ST	12x12 90	206127-04	32
171	C1 HOPPER	130191S	C1 BAFFLE OPEN VALVE*BE - ROD E.CYL	10	0.25	STD	72	6x4 ST	6x4 90	206126-04	75
172	C1 HOPPER	129837S	C1 BAFFLE CLOSE VALVE *BR - BASE CYL	10	0.25	STD	58	6x4 ST	6x4 90	206126-04	61
173	FUME-X	148614S	FXS C1 MTR*CD - RH TUB MID	11	0.375	STD	110	6x6 ST	6x6 ST	147462-04	113
174	FUME-X	201298	FXS C1 MTR*CD - RH TUB MID - THRU TUB	11	0.375	STD	98	6x6 ST	6x6 ST	NO SLEEVE	101
175	FUME-X	134045S	FXS C1 MTR*CD - RH TUB MID - HYD TANK	11	0.375	STD	160	6x6 ST	6x6 LN 90	147462-04	163
176	FUME-X	121361S	FXS C3 BLK HD*CD - HYD TANK	11	0.375	STD	160	6x6 ST	6x6 ST	147462-04	163
177	UNASSIGNED										
178	C1 PUSH ROLLER	121672S	PUSH ROLLER VALVE*T - C1 LIFT VALVE*T1	10	0.5	STD	118	8x8 ST	8X8 90	147462-04	113
179	C1 PUSH ROLLER	121546S	PUSH ROLLER VALVE*P - C1 LIFT VALVE*P1	10	0.375	STD	120	6x6 ST	6x6 90	147462-04	123
180	C1 PUSH ROLLER	120967S	PUSH ROLLER VALVE*B FLW DVDR - LH BASE CYL	10	0.25	STD	120	6x4 ST	6x4 ST	206126-04	123
181	C1 PUSH ROLLER	201277S	PUSH ROLLER VALVE*A - LH ROD E.CYL	10	0.25	STD	135	6x4 ST	6x4 ST	206126-04	138
182	C1 PUSH ROLLER	207853S	PUSH ROLLER VALVE*B FLW DVDR - RH BASE CYL	10	0.25	STD	214	6x4 ST	6x4 ST	206126-04	217
183	C1 PUSH ROLLER	243548S	PUSH ROLLER VALVE*A - RH ROD E.CYL	10	0.25	STD	225	6x4 ST	6x4 ST	206126-04	228
184	C1 RAISE	215255	VIBRATOR CD - LH TUB LS	10	0.25	STD	98	6x4 ST	6x4 ST	NO SLEEVE	101
185	C1 RAISE	129725	VIBRATOR CD - LH TUB LS - HYD TANK	10	0.25	STD	97	6x4 ST	6x4 ST	206126-04	100
186	C1 RAISE	241512S	VBTR CD - BLK HD @ C1 LIFT MFLD BKT	10	0.25	STD	248	4x4 ST	6x4 ST	206126-04	250.5
187	C1 RAISE	215258S	VBTR CD BLK HD @ C1 LIFT MFLD BKT - LH TUB LS	10	0.25	STD	102	6x4 ST	6x4 45	206126-04	105
188	FUME-X	240259S	FXS C3 BLK HD*PR - C1 MTR*RETURN RH TUB LS	11	0.75	STD	170	12x12 ST	12x12 ST	206127-04	174
189	UNASSIGNED										
190	UNASSIGNED										
191	UNASSIGNED										
192	UNASSIGNED										
193	UNASSIGNED										
194	UNASSIGNED										
195	UNASSIGNED										
196	UNASSIGNED										
197	UNASSIGNED										
198	UNASSIGNED										
199	UNASSIGNED										
200	GREASE LINE	230816-04	C1 FOOTSHAFT INNER BRNGS RH		0.25	919	67.6	4x4 ST	4 x ZERK ST	NO SLEEVE	69
201	GREASE LINE	230816-04	C1 FOOTSHAFT INNER BRNGS LH		0.25	919	67.6	4x4 ST	4 x ZERK ST	NO SLEEVE	69
202	GREASE LINE	235578	C1 CENTER IDLER BRNGS RH		0.25	919	31	4x4 ST	4 x ZERK ST	NO SLEEVE	34
203	GREASE LINE	235578	C1 CENTER IDLER BRNGS LH		0.25	919	31	4x4 ST	4 x ZERK ST	NO SLEEVE	34
204	GREASE LINE	230675-04	C1 REAR IDLER BRNGS RH		0.25	919	95	4x4 ST	4 x ZERK ST	NO SLEEVE	98
205	GREASE LINE	230675-04	C1 REAR IDLER BRNGS LH		0.25	919	95	4x4 ST	4 x ZERK ST	NO SLEEVE	98
206	GREASE LINE	235580	C2 FOOTSHAFT INNER BRNGS RH		0.25	919	99	4x4 ST	4 x ZERK ST	NO SLEEVE	103
207	GREASE LINE	235580	C2 FOOTSHAFT INNER BRNGS LH		0.25	919	99	4x4 ST	4 x ZERK ST	NO SLEEVE	103
208	GREASE LINE	236951	C2-IDLER BRNGS 1ST RH		0.25	919	42	4x4 ST	4 x ZERK ST	NO SLEEVE	45
209	GREASE LINE	235581	C2-IDLER BRNGS 1ST LH		0.25	919	33	4x4 ST	4 x ZERK ST	NO SLEEVE	36
210	GREASE LINE	235581	C2-IDLER BRNGS 2ND RH		0.25	919	33	4x4 ST	4 x ZERK ST	NO SLEEVE	36
211	GREASE LINE	236951	C2-IDLER BRNGS 2ND LH		0.25	919	42	4x4 ST	4 x ZERK ST	NO SLEEVE	45
212	GREASE LINE	235581	C3-DRIVE BRNG RH		0.25	919	33	4x4 ST	4 x ZERK ST	NO SLEEVE	36
213	GREASE LINE	235582	C3 PIVOT BOX TUBE LH		0.25	919	14.5	4x4 ST	4 x ZERK ST	NO SLEEVE	17.5
214	GREASE LINE	235582	C3 PIVOT BOX TUBE RH		0.25	919	14.5	4x4 ST	4 x ZERK ST	NO SLEEVE	17.5
19A	FLOWGATES	241526S	FLOWGATES VALVE*FB - LH TUB RS	2	0.25	STD	13	6x4 ST	6x4 ST	206126-04	16
19B	FLOWGATES	231534-04	FLOWGATES LH TUB RS - ROD E.CYL	2	0.375	HT	74	6x6 ST	6x6 ST	NO SLEEVE	76
20A	FLOWGATES	99093S	FLOWGATES VALVE*FA - LH TUB LS	2	0.25	STD	15	6x4 ST	6x4 ST	206126-04	18
20B	FLOWGATES	231535-04	FLOWGATES LH TUB LS - BASE CYL	2	0.375	HT	66	6x6 ST	6x6 ST	NO SLEEVE	68
21A	FLOWGATES	217149S	FLOWGATES VALVE*RB - RH TUB RS	2	0.25	STD	112	6x4 ST	6x4 LN 90	206126-04	115
21B	FLOWGATES	231534-04	FLOWGATES RH TUB RS - ROD E.CYL	2	0.375	HT	74	6x6 ST	6x6 ST	NO SLEEVE	76
22A	FLOWGATES	128022S	FLOWGATES VALVE*RA - RH TUB LS	2	0.25	STD	112	6x4 ST	6x4 90	206126-04	115
22B	FLOWGATES	231535-04	FLOWGATES RH TUB LS - BASE CYL	2	0.375	HT	66	6x6 ST	6x6 ST	NO SLEEVE	68
31A	BRAKES	120107S	FR PARK BRAKE VALVE*B - LH TUB LS	4	0.25	STD	34	6x4 ST	6x4 ST	206126-04	37

HOSE #	CIRCUIT	ROADTEC PN	FUNCTION	Tier#	HOSE SIZE	HOSE TYP	HOSE & SLEEVE CUT LENGTH	HOSE END #1	HOSE END #2	SLEEVE PN	O.A.L.
31B	BRAKES	204038S	FR PARK BRAKE LH TUB LS - FR BLKHD TEE	4	0.25	STD	80	6x4 ST	6x4 45	206126-04	83
40A	PROPEL	134523S	FR DRIVE*CD LH TUB RS - CD RETURN MFLD	7	0.75	STD	86	12x12 ST	12x12 ST	206127-04	88
40B	PROPEL	213607S	FR DRIVE MTR*CD FR BK HD TEE - LH TUB RS	7	0.75	STD	74	12x12 ST	12x12 90	206127-04	78
54A	STEERING	134504S	L STEER VALVE*L - LH TUB LS	5	0.375	STD	187	6x6 ST	6x6 LN 90	147462-04	190
54B	STEERING	224375S	L STEER LH TUB LS - LH BASE CYL	5	0.375	STD	96	6x6 ST	6x6 45	147462-04	98.7
57A	STEERING	243549S	R STEER VALVE*R - LH TUB RS	5	0.375	STD	183	6x6 ST	6x6 90	147462-04	186
57B	STEERING	224375S	R STEER LH TUB RS - RH BASE CYL	5	0.375	STD	96	6x6 ST	6x6 45	147462-04	98.7
96A	C1 RAISE	218625S	C1 LIFT AUX RETURN MFLD - RH TUB LS	5	0.5	STD	123	8x8 ST	8x8 90	147462-04	126
96B	C1 RAISE	200387S	C1 LIFT VALVE*T1 - RH TUB LS	5	0.5	STD	120	8x8 ST	8x8 45	147462-04	123
97A	C1 RAISE	243550S	C1 LIFT AUX PR MFLD - RH TUB RS	5	0.375	STD	118	6x6 ST	6x6 LN 90	147462-04	121
97B	C1 RAISE	217152S	C1 LIFT VALVE*P1 - RH TUB RS	5	0.375	STD	120	6x6 ST	6x6 45	147462-04	123

MISCELLANEOUS ITEMS SHIPPED IN HOSE KIT FROM PARKER			
1	VALVE, BALL 6 SAE	131913-04	BRAKE HYDRAULICS
1	VALVE, BALL 1/4 N.P.T.	89010-04	WASHDOWN

REVISION	DATE	DESCRIPTION	BY

FRONT
REAR
LEFT HAND
RIGHT HAND
LEFT SIDE
RIGHT SIDE
PRESSURE
FOLLOWED BY LETTER STAMPED ON VALVE
TO

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3 PROPEL PUMP

M1 A FORWARD

6500 PSI

2546 RPM
FULL LOAD

6.10 CID
100 CC

67.3 GPM MAX

20.9 GPM

1.89 CID
31 CC

350 PSI

6500 PSI

M2 B

L1 S L2

OIL COOLER
300 PSI MAX

RETURN
FILTER
3 MICRON
ABSOLUTE

10 MICRON
SUCTION
FILTER

M6 M4 M3 M1
A
MAX DISP
ELECTRIC SHIFT
M9
X3,M5
B M2
L1,L2

REAR DRIVES

FRONT DRIVES

A B
.047 ORIFICE
P (UP TO 55 GPM)
PS L

"E" MATCH WITH LINES ON SHEET 4 "F" "G"

PROPEL CIRCUIT

REPLACES DWG #240284-01 E.C. #1833

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

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
	-	-			-

ROADTEC

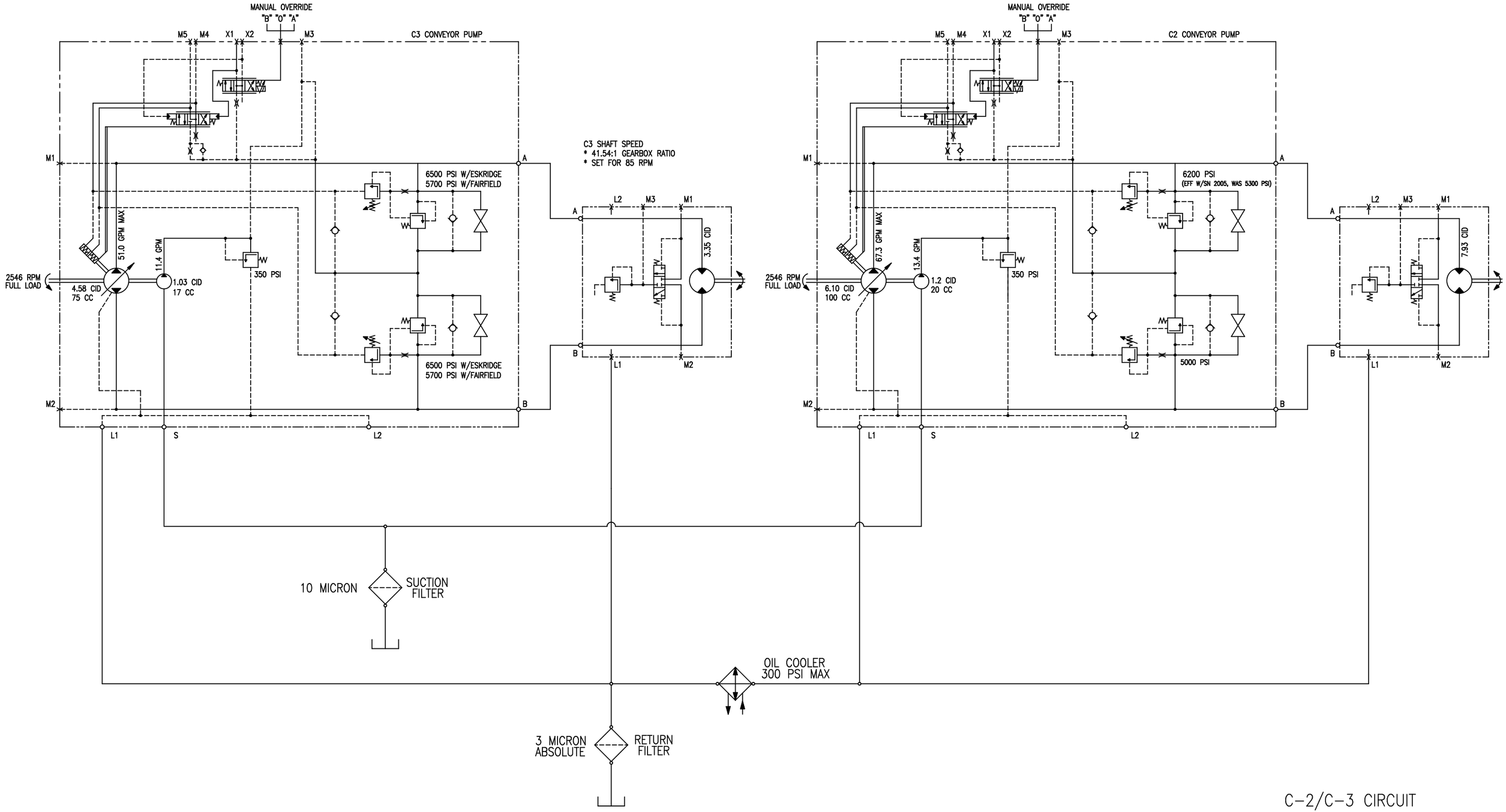
PART NAME: SCHEMATIC HYDRAULIC SB-2500EX

01 REQ'D PER 2500EX | SHEET NO: 1 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 2013

DRAWN BY: BL | CHECKED BY:

SCALE: 3/4 | DATE: 3/27/12

DWG NO: 244280-01 | REV: 0



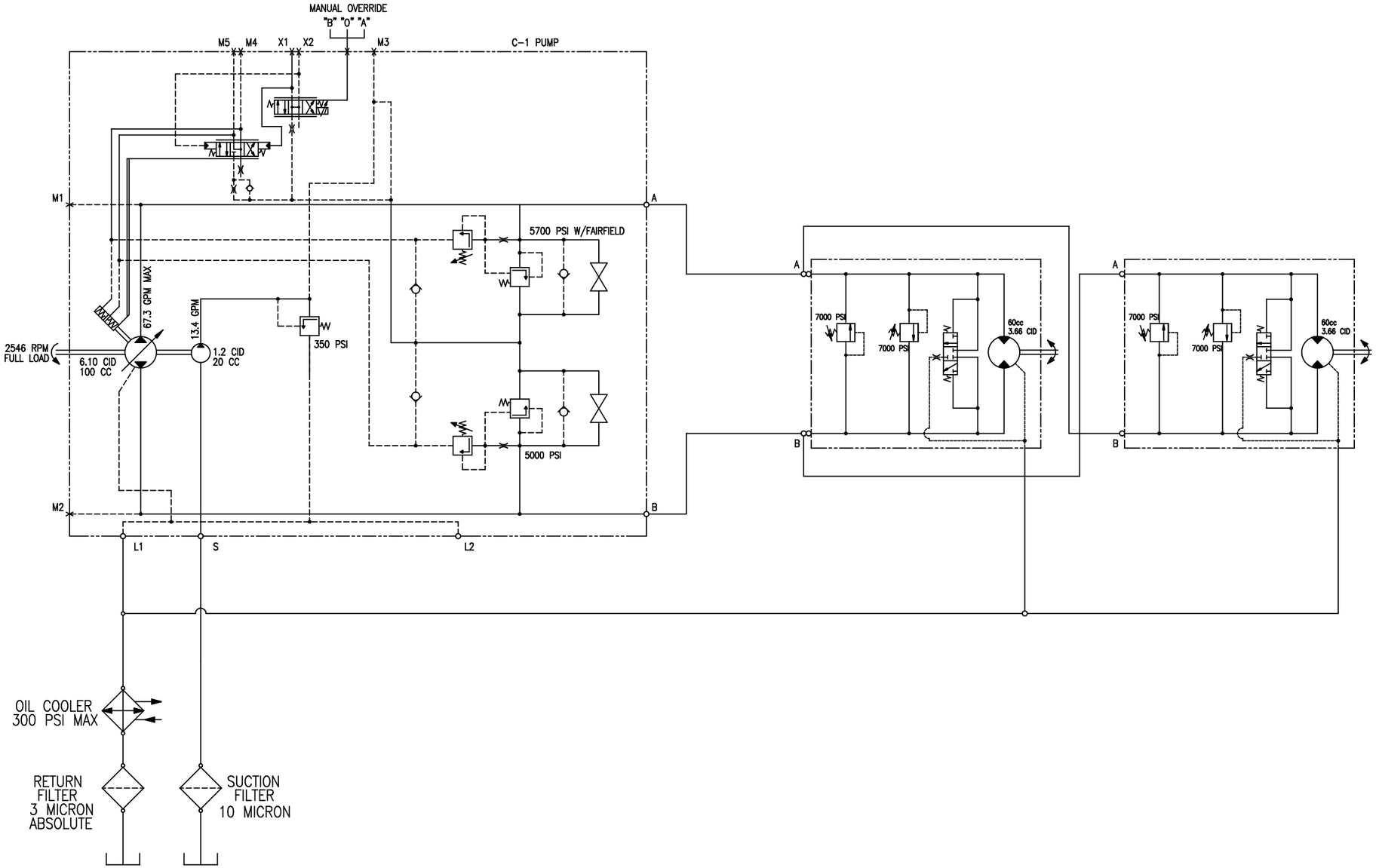
C-2/C-3 CIRCUIT

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

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

ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500EX			
01 REQ'D PER 2500EX	SHEET NO: 2 of 6	FAB CODE: 615	EFFECTIVE S/N: 2013
DRAWN BY: BL	CHECKED BY:	DWG NO: 244280-01	REV: 0
SCALE: 3/4	DATE: 3/27/12		



C-1 CIRCUIT

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

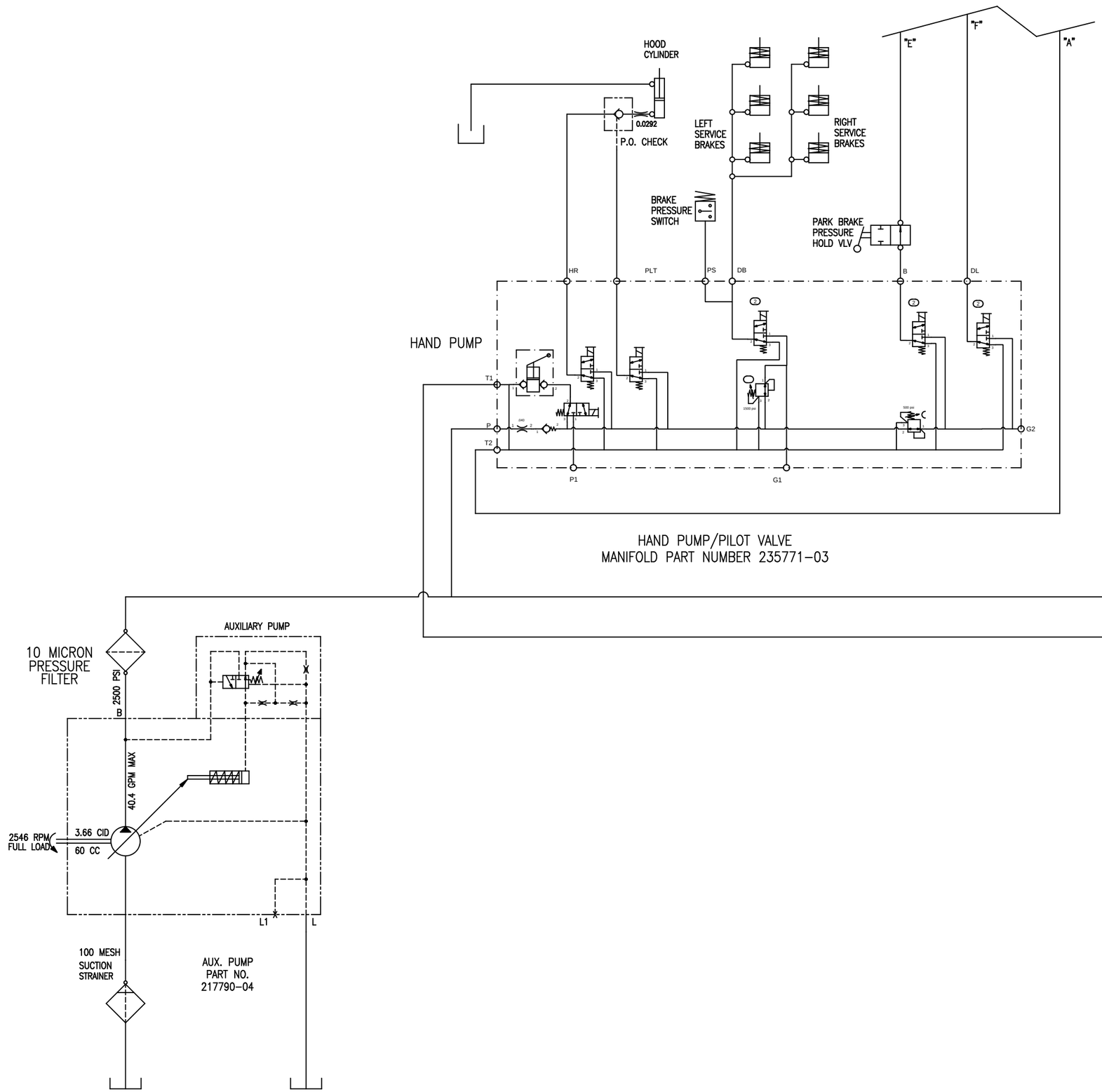
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

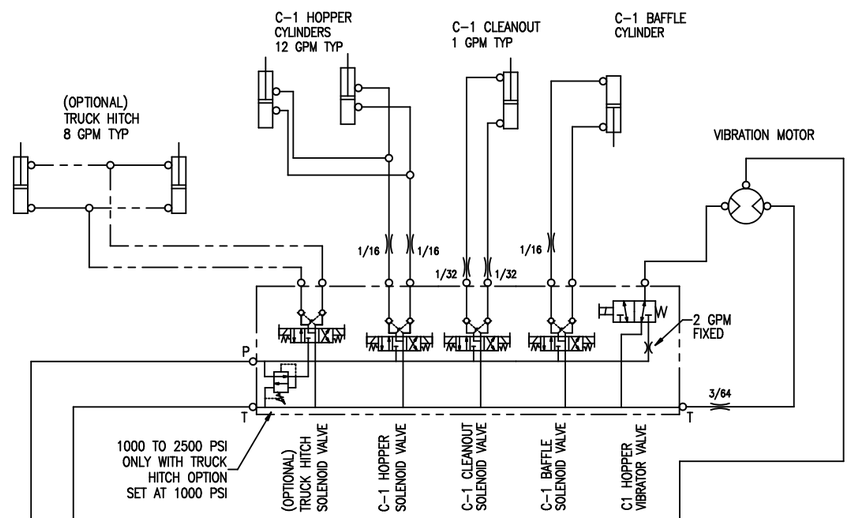
PART NAME: SCHEMATIC HYDRAULIC SB-2500EX

01 REQ'D PER 2500EX	SHEET NO 3 of 6	FAB CODE 615	EFFECTIVE S/N 2013	
DRAWN BY BL	CHECKED BY	DWG NO 244280-01	REV. 0	
SCALE 3/4	DATE 3/27/12			

MATCH WITH LINES ON SHEET 1



HAND PUMP/PILOT VALVE
MANIFOLD PART NUMBER 235771-03



C1 HOPPER CONTROL
MANIFOLD PART NO.
235752-01

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

"A"

"B"

AUXILIARY CIRCUIT

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

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

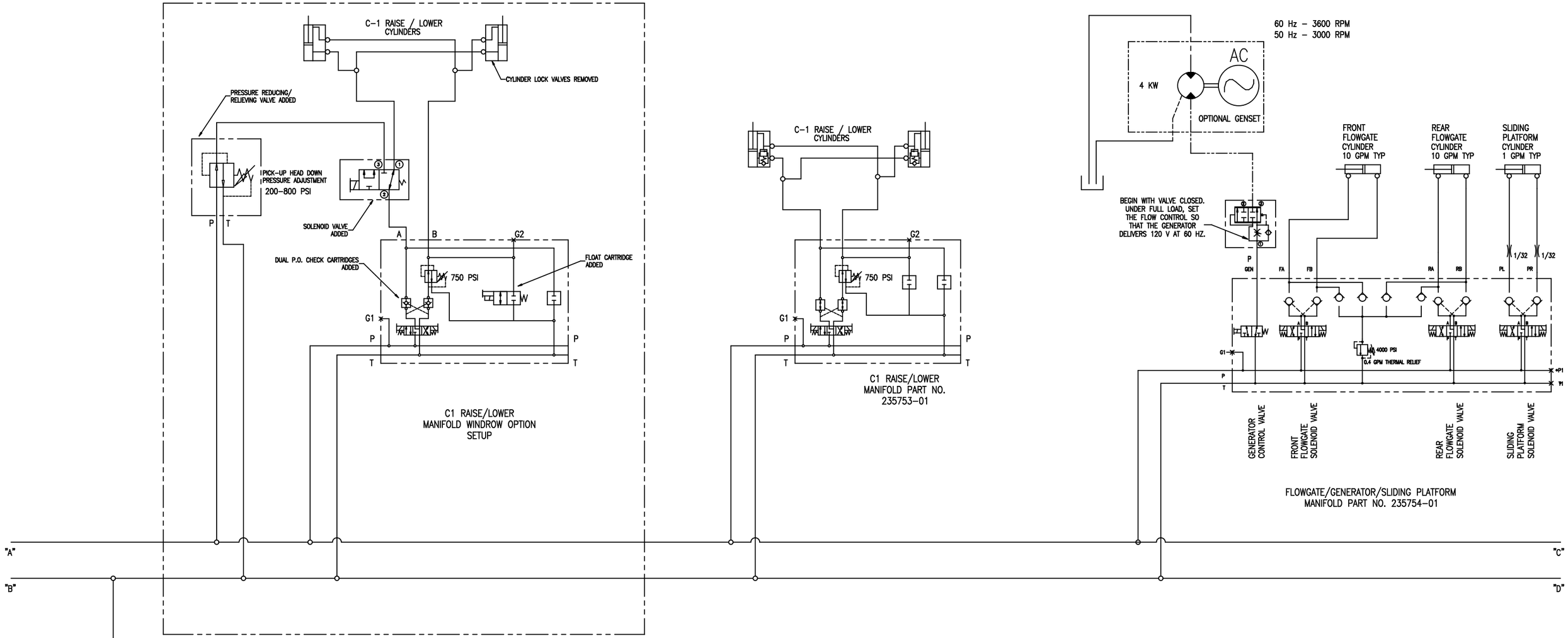
ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500EX

01 REQ'D PER 2500EX | SHEET NO 4 of 6 | FAB CODE 615 | EFFECTIVE S/N 2013

DRAWN BY BL | CHECKED BY | DWG NO 244280-01 | REV. 0

SCALE 3/4 | DATE 3/27/12



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

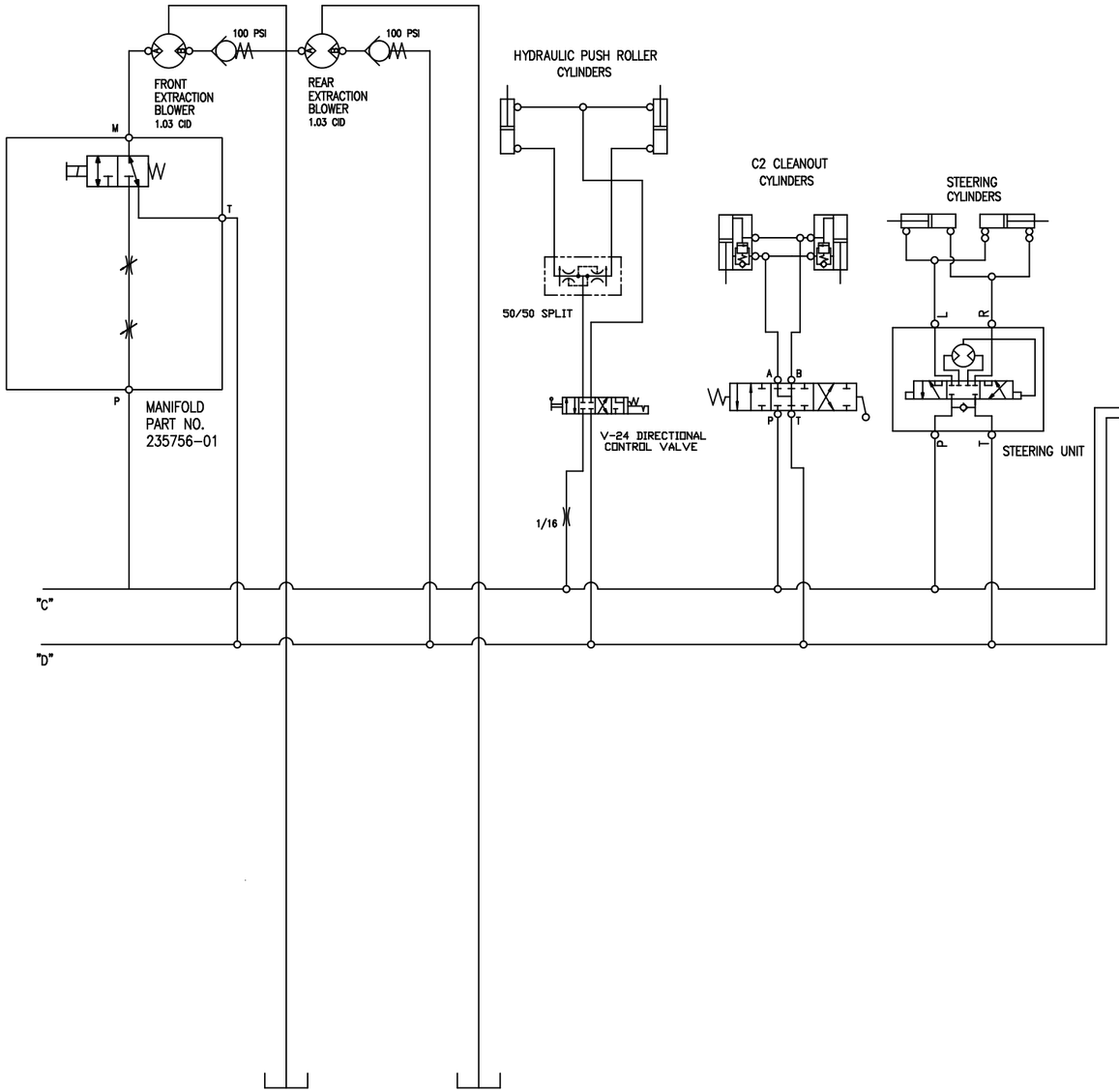
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PART NAME: SCHEMATIC HYDRAULIC SB-2500EX

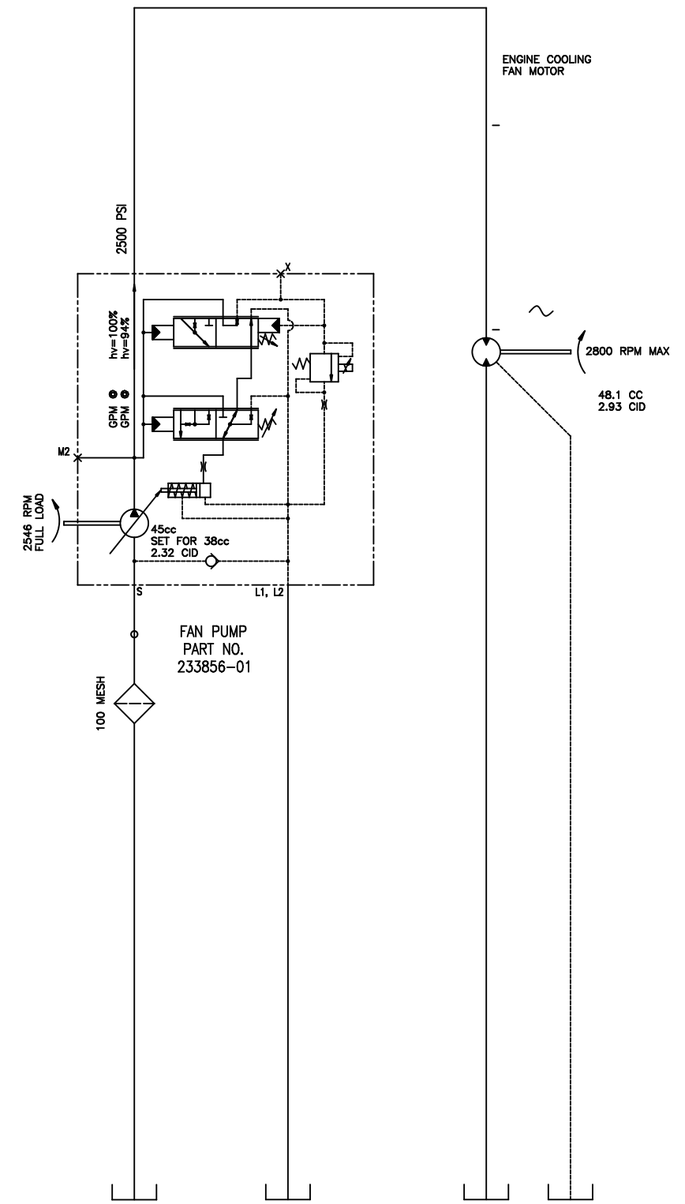
01 REQ'D PER 2500EX | SHEET NO 5 of 6 | FAB CODE 615 | EFFECTIVE S/N 2013

DRAWN BY BL | CHECKED BY

SCALE 3/4 | DATE 3/27/12 | DWG NO 244280-01 | REV. 0



AUXILIARY CIRCUIT (CON'T)



COOLING FAN CIRCUIT

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

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

ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500EX

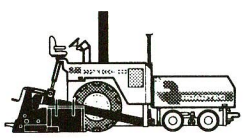
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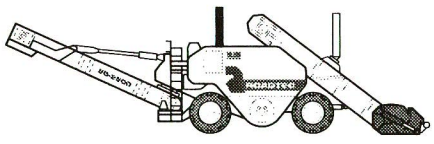
DRAWN BY BL | CHECKED BY | SCALE 3/4 | DATE 3/27/12 | DWG NO 244280-01 | REV. 0

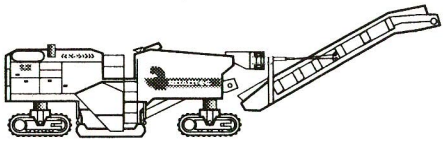
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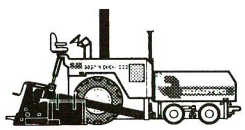
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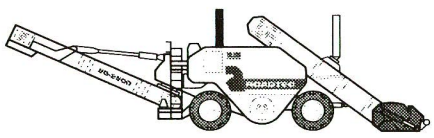
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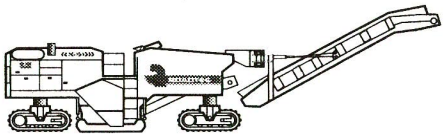
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SECTION 6 : ELECTRICAL

NEXT PAGE

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SECTION 6 : ELECTRICAL

ASSEMBLY	PART NO.	S/N	PAGE NO.
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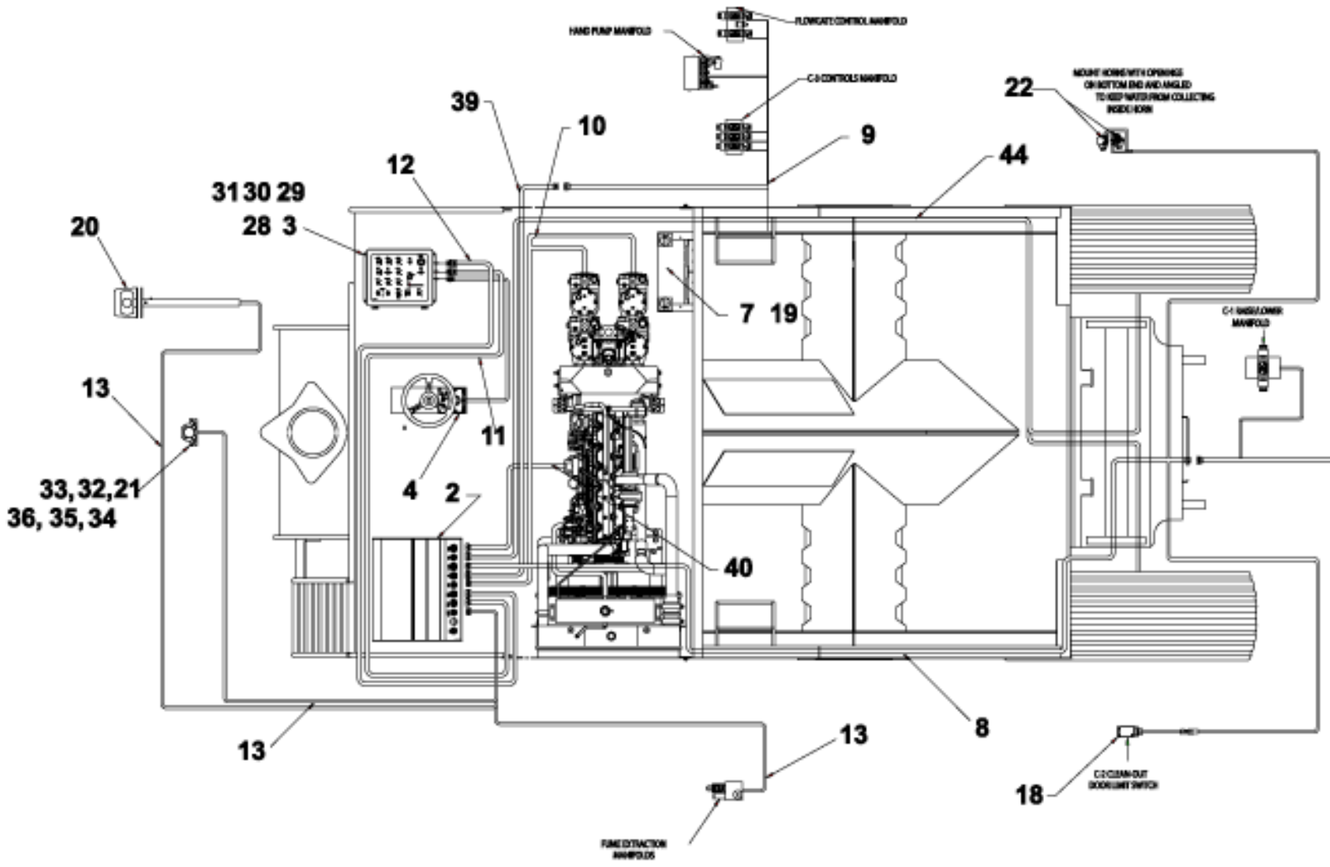
ASSEMBLY, ELECTRICAL SB-2500eX
(245222-01)

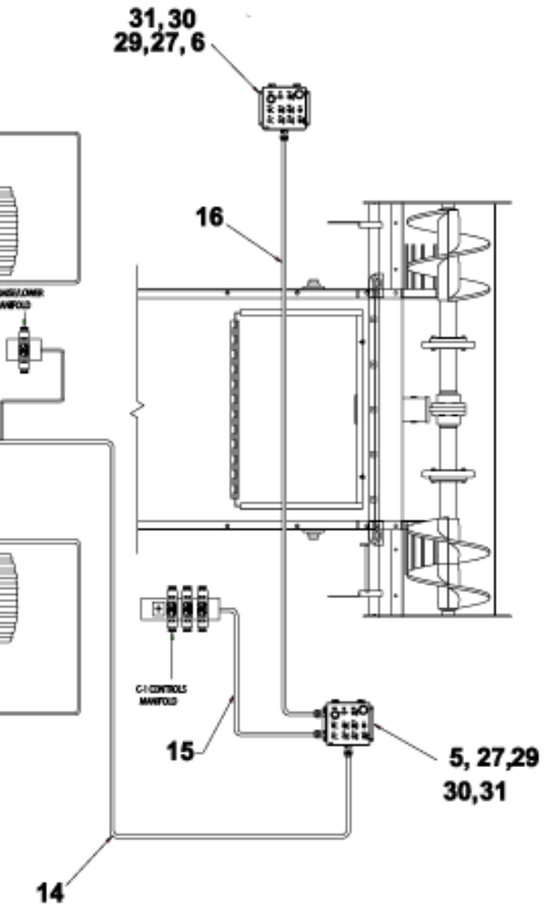
ITEM	PART #	DESCRIPTION	QTY
1	236356-01	ELECTRICAL SCHEMATIC	1
2	236570-01	CENTER CONSOLE ELECTRICAL ASSEMBLY	1
3	SEE KIT	STEERING BOX ELECTRICAL ASSEMBLY	REF
4	237247-02	OPERATOR DRIVE CONSOLE ELECTRICAL	1
5	SEE KIT	RIGHT HAND C1 CONTROL BOX ASSSEMBLY	REF
6	SEE KI T	LEFT HAND C1 CONTROL BOX ASSSEMBLY	REF
7	90102	HEX HEAD NUT ~ 10-32	8
8	SEE KIT	WIRE HARNESS ~ JUMPER TO C1 CONTROL BOX	REF
9	SEE KIT	WIRE HARNESS ~ C2 VALVE STACK	REF
10	SEE KIT	WIRE HARNESS ~ PUMP	REF
11	SEE KIT	WIRE HARNESS~ STEERING BOX CABLE 4	REF
12	SEE KIT	WIRE HARNESS~ STEERING BOX CABLE 4-1	REF
13	SEE KIT	WIRE HARNESS ~ FXS, BEACON, BACK-UP & BRAKE	REF
14	SEE KIT	WIRE HARNESS ~ RIGHT HAND C1 CONTROL BOX	REF
15	SEE KIT	WIRE HARNESS ~ C1 VALVE STACK DIN PLUG	REF
16	SEE KIT	WIRE HARNESS ~ C1 CONTROL BOX CROSSOVER	REF
17	SEE KIT	SPEED SHIFT	REF
18	214562-03	LIMIT SWITCH C2 CLEANOUT DOOR	1
19	SEE KIT	WIRE HARNESS ~ BREAKER & WASHDOWN	REF
20	214370-01	STROBE LIGHT ASSEMBLY	1
21	215976-03	ALARM ~ REVERSING ASSEMBLY	1
22	97779-04-24V	ALARM ~ TWIN TONE HORN	1
23	83657-04	WIRE TIE ~ 3/16" x 7" NYLON	300
24	126976	WIRE TIE ~ 3/16" x 5 1/2" NYLON	200
25	83905-04	WIRE TIE ~ 1/4" x 14" NYLON	200
26	141038	3/4" ELECTRICAL TAPE x 60 YD	1
27	89988-04	BOLT HEX HEAD ~ 1/4-20 UNC x 3/4"	12
28	89773	BOLT HEX HEAD ~ 1/4-20 UNC x 1"	4
29	89772	HEX NUT ~ 1/4-20 UNC	16
30	84444	WASHER ~ 1/4 FLAT	32
31	83065	WASHER ~ 1/4 LOCK SPRING STEEL	16
32	84332	BOLT HEX HEAD ~ 3/8-16 UNC x 1"	2
33	83055	HEX NUT ~ 3/8-16 UNC GRADE 8	2
34	83757	WASHER ~ 3/8 FLAT STEEL	4
35	83056	WASHER ~ 3/8 LOCK SPRING STEEL	2
36	139702-04	WASHER ~ STAR 3/8 INTERNAL EXTERNAL	1
37	243164-02	KIT ~ WIRE HARNESS & BOXES	1
38	38Z57	MALE CONNECTOR	18
39	SEE KIT	WIRE HARNESS ~ VALVE STACK	REF
40	SEE KIT	WIRE HARNESS ~ ENGINE	REF
41	219962-03	WIRE ~ SB-2500D ENGINE GROUND	1
42	221163-04	ELECTRICAL TAPE ~ RED	0.05
43	133521-04	STA-KON TERMINAL	6
44	97735	FEMALE CONNECTOR	18

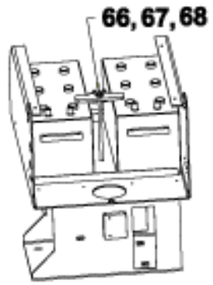
ASSEMBLY, ELECTRICAL SB-2500eX
(245222-01)

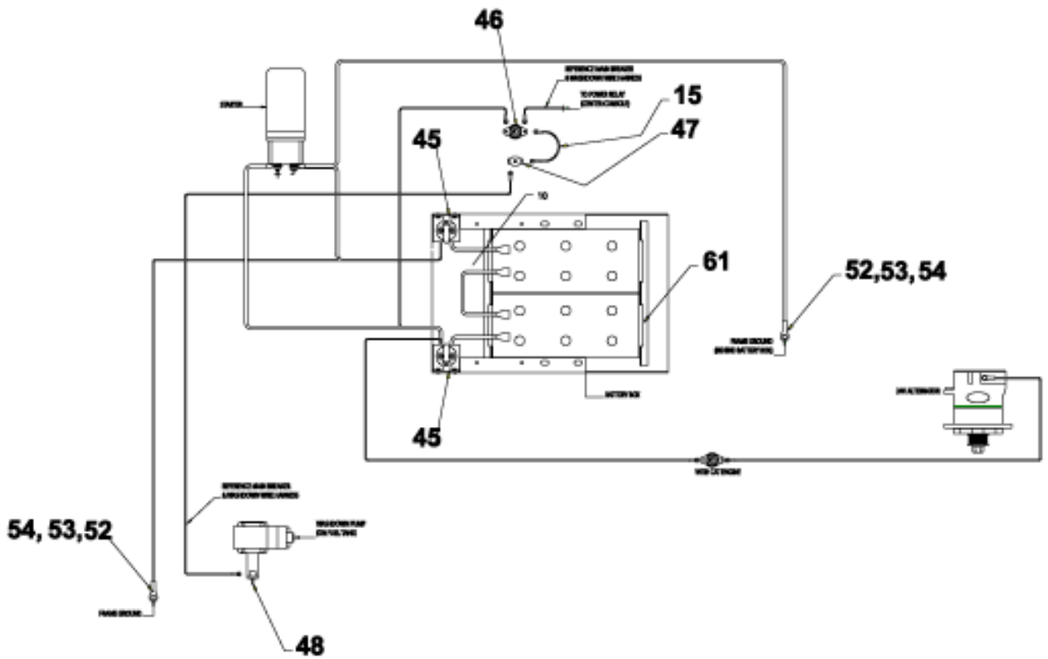
ITEM	PART #	DESCRIPTION	QTY
45	130644	SWITCH ~ BATTERY ISOLATION	1
46	20Z54	CIRCUIT BREAKER ~ 60 AMP	1
47	90930-04	CIRCUIT BREAKER ~ 40 AMP	1
48	13E68	SWITCH ~ TOGGLE	1
49	136784-04	SWITCH ~ TOGGLE	1
50	97490-C1	SWITCH COVER	2
51	138409-04	HOLE PLUG ~ 7/8 DIA	1
52	84332	HEX HEAD BOLT ~ 3/8-16 x 1	2
53	83065	WASHER ~ 3/8 LOCK	2
54	139702-04	WASHER ~ 3/8 STAR	2
55	83114	HEX HEAD BOLT ~ 1/4-20 x 1/2	4
56	83056	WASHER ~ FLAT 1/4	4
57	135807-04	SCREW ~ 10-32 x 1	2
58	90101	SCREW ~ 10-32 x 3/4	8
59	92552	WASHER ~ FLAT #10	20
60	90103	WASHER ~ LOCK #10	10
61	11S35	BATTERY ~ WET CHARGE 4D 12V	2
62	237364-04	DETAIL ~ ~ SOOT SENSOR BRACKET	1
63	237700-04	DETAIL ~ MC24-20 CNTROLLER BRACKET 2	1
64	215975-03	ASSEMBLY ~ FOO SWITCH & DIFF LOCK	2
65	139703-04	WASHER- 1/4" STAR INTERNAL- EXTERNAL	3
66	241959-03	DETAIL ~ SB BATTERY HOLD-DOWN BAR	1
67	241968-03	WLDT- SB BATTERY HOLD-DOWN ROD	1
68	83757	WASHER- FLAT 3/8" STEEL	1
69	206399-04	DEUTSCH- WAY PLUG	3
70	206402-04	DEUTSCH- WEDGE LOCKS W3S	3
71	133746-04	DEUTSCH- 16 AWG SOCKETS	6

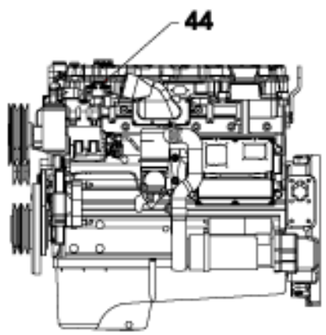
ELECTRICAL ASSY- SB-2500eX / SB-1500eX
(245222-01)





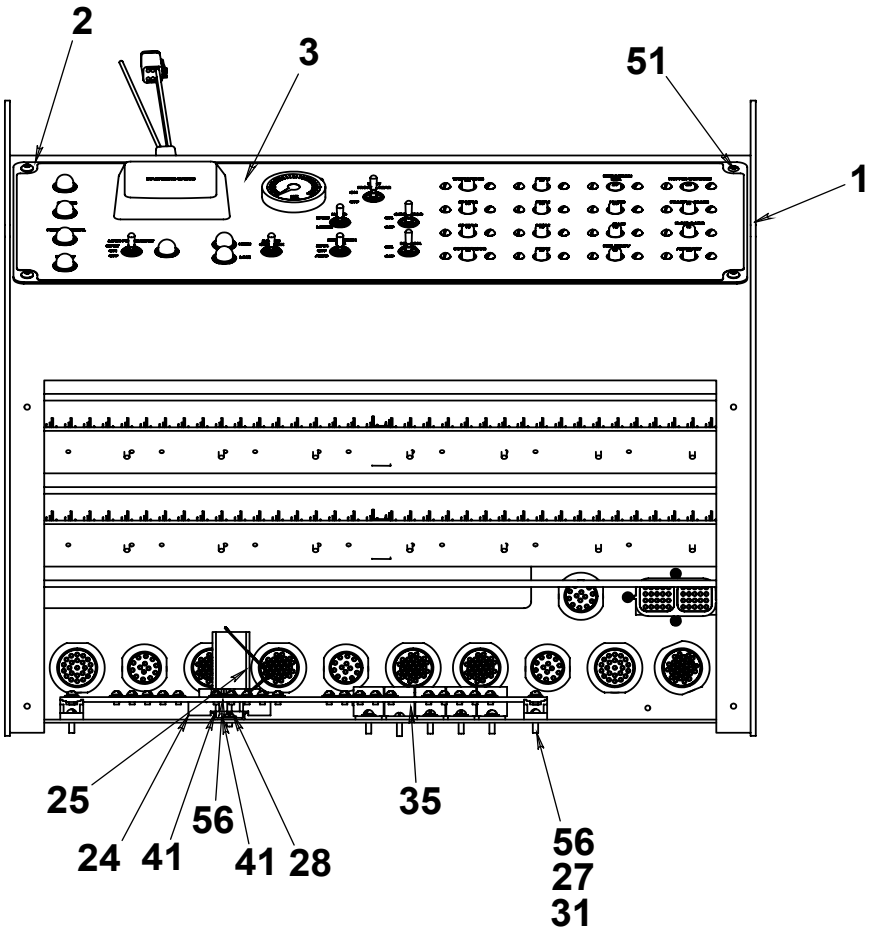


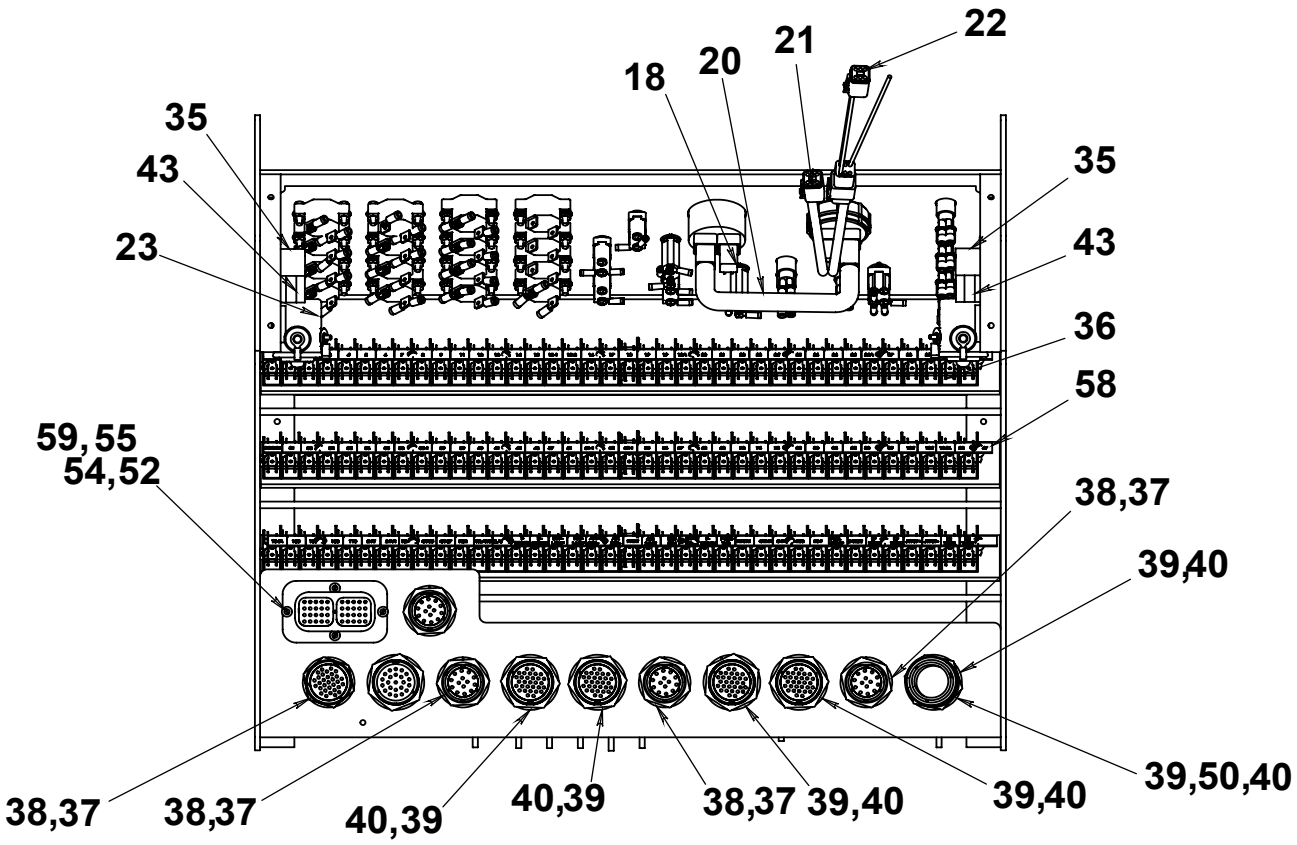




CENTER CONSOLE ELECTRICAL ASSY.
(244776-01)

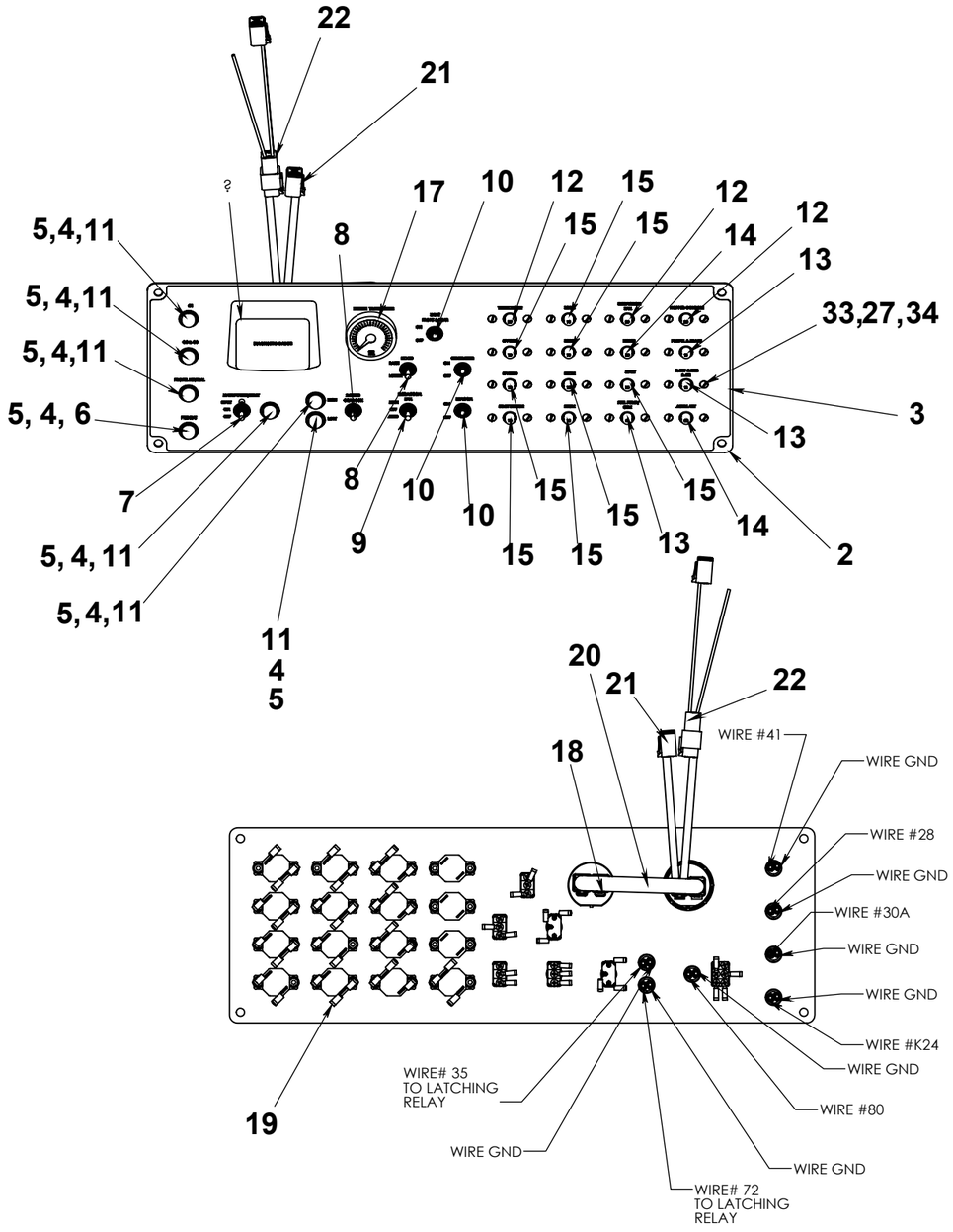
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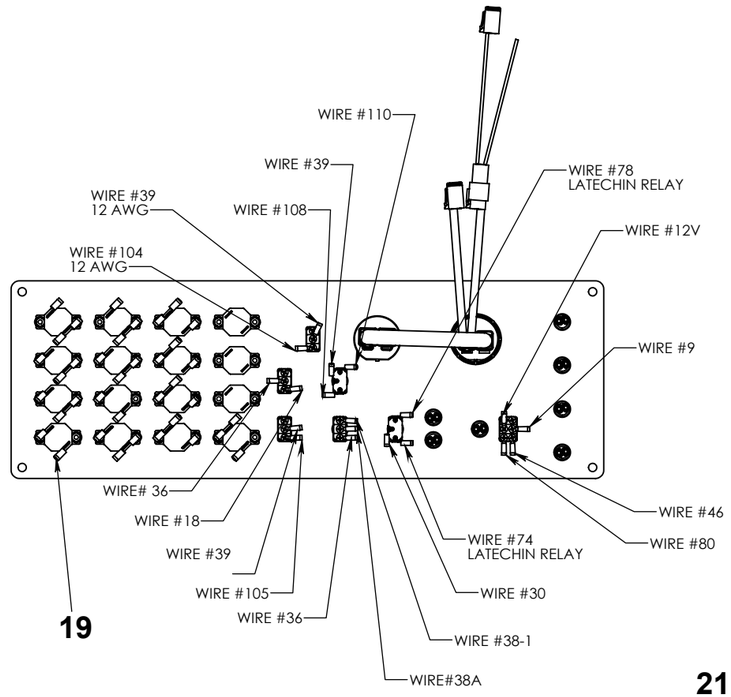




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(244776-01)

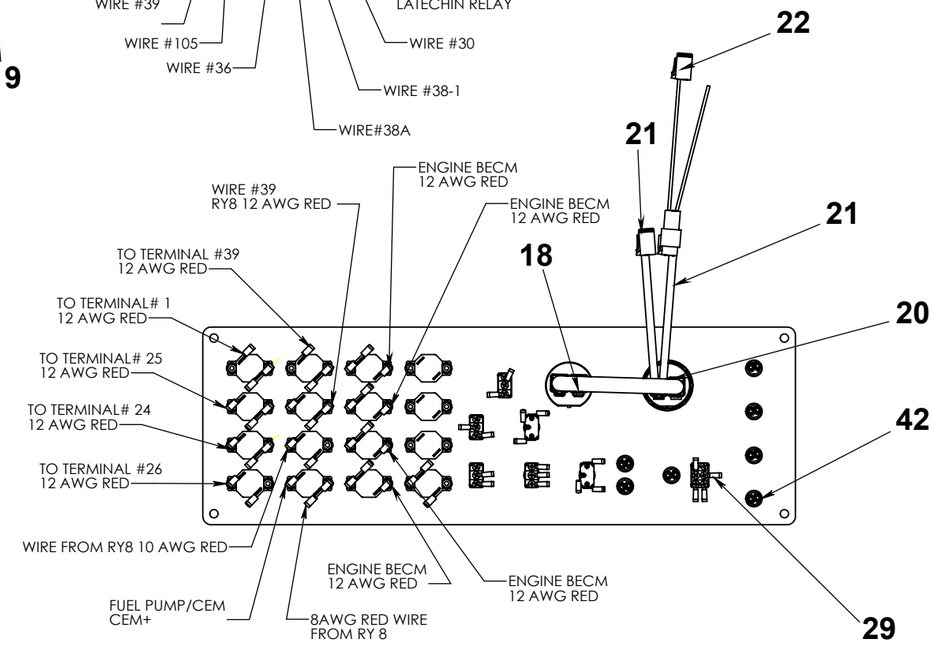






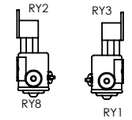
LATCHING RELAY
WIRING CHART

POSITION	WIRE NO
A	GROUND
B	74
1	72
5	GROUND
6	35
7	26 & JUMPER TO9
8	78
	JUMPER TO 7



RELAY WIRING CHART

RELAY NO	POSITION 30	POSITION 85	POSITION 86	POSITION 87	POSITION 87A
RY1	WIRE# 24V (12 AWG)	WIRE #47	WIRE# GROUND	WIRE 40 (24 AWG)	
RY2	WIRE# 47	WIRE #30	WIRE GROUND	WIRE #46	
RY3	WIRE GROUND	WIRE #86	WIRE GROUND		WIRE # 44
RY4	WIRE #24V1	WIRE #86	WIRE GROUND	WIRE #24V	
RY7	WIRE #36 (24 AWG)	WIRE #19	WIRE GROUND	WIRE #19A (12 AWG)	
RY8	WIRE FROM BATTERY & TO START RELAY 10 AWG	WIRE# 86 (10 AWG	GROUND	WIRE # 9 TO BREAKERS 10AWG	
RY10	WIRE# 26	WIRE #30A	WIRE GROUND	WIRE# 26A	
RY5	CEM+	FP85	FP86	FP87	
RY12	39A (10 AWG)	104	GND	104A (10 AWG)	



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CENTER CONSOLE ELECTRICAL ASSY.
(244776-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	236779-01	WELDMENT-CENTER CONSOLE	1
2	236554-03	CENTER CONSOLE COMPONENT PLATE	1
3	236555-02	DATA PLATE ~ CENTER CONSOLE	1
4	80449-04	LIGHT * SOCKET	7
5	80445-04	LIGHT * BULB 24 VOLT	7
6	80446-04	LIGHT * RED LENS	1
7	87311-04	TOGGLE SWITCH - DPDT ON-ON-ON	1
8	139471	SWITCH * TOGGLE MOMENTARY SPRING SPDT	2
9	20P56	SWITCH * TOGGLE SPDT	1
10	13E68	SWITCH * TOGGLE SP ST ON/OFF	3
11	80448-04	LIGHT * GREEN LENS	6
12	90089	BREAKER * CIRCUIT 20 AMP	3
13	13A04	BREAKER~CIRCUIT 15 AMP	3
14	92523-04	BREAKER * CIRCUIT 30 AMP	2
15	90088	BREAKER * CIRCUIT 10 AMP	8
16	238630-04	ELEC - TIER IV MURPHY GAUGE	1
17	207664-03	GAUGE * TACHOMETER	1
18	207668-04	ELEC*POWERVIEW JUMPER TERM RESISTOR	1
19	90554	WIRE * RING TERMINAL #10	41
20	207716-03	ELEC * WIRE HARNESS PWRVIE 9"JUMPER	1
21	207719-03	ELEC * WIRE HARNESS CAM & POWER	1
22	207717-03	ELEC * WIRE HARNESS POWERVIEW POWER	1
23	135728-04	ELEC * POWER RELAY 24VDC 65 AMP	2
24	96777	RELAY * BASE	1
25	96776	RELAY * LATCHING DPDT	2
26	96777-c1	RELAY * SPRING	1
27	92552	WASHER * FLAT #10	44
28	121687	SCREW * 10-32 X 3/8" SLOT ROUND CAP	2
29	93253	WIRE * TERMINAL RING 16GA. (#10)	19
30	91207-04	SCREW SLOTTED HEAD 10-32 X 1 1/4	24
31	90101	SCREW SLOTTED HEAD 10-32 X 3/4	11
32	90103	WASHER * LOCK #10	42
33	135807-04	MACH-SCREW SLOTTED HEAD 10-32 X 1	32
34	90102	NUT * 10-32 UNF HEX	32
35	128862	RELAY * 24 VOLT 40 AMP	7
36	13C69	ELEC * TERMINAL BLOCK	117
37	211960-04	ELEC * DEUTSCH NUT SHELL SIZE 18	5
38	211961-04	DEUTSCH 18 SHELL METAL LOCKWASHER	5
39	211963-04	ELEC * 24 SHELL METAL LOCKWASHER	6
40	211962-04	ELEC * DEUTSCH NT SHELL SIZE 24	6
41	244776-01-1	DIN RAIL x 4"	1
42	121538	WIRE * INSULATED FEMALE CONNECTOR	14
43	231166-04	ELEC * RELAY CONNECTOR HARNESS MOUN	7
44	138601-03	DECAL * ALUM NUMBER STICKERS	1
45	243464-04	DECAL KIT * DEUTSCH PLUGS 2500E	1

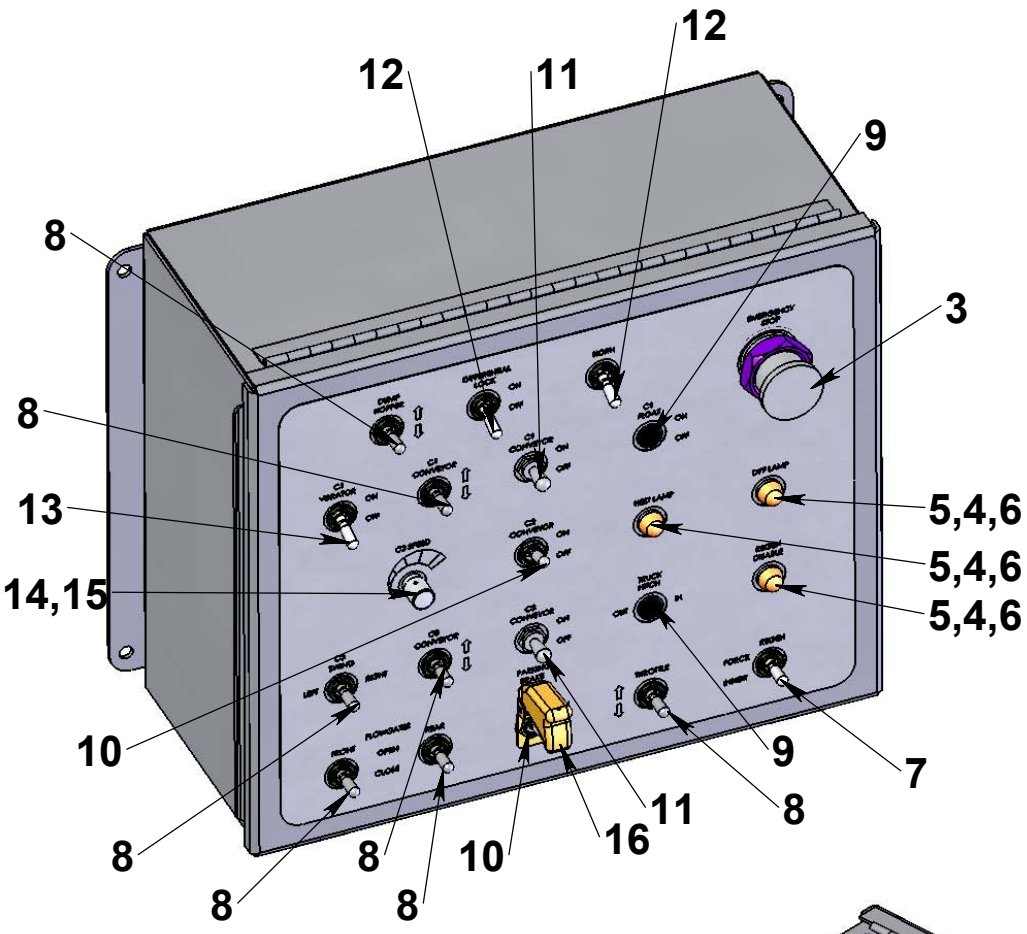
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(244776-01)

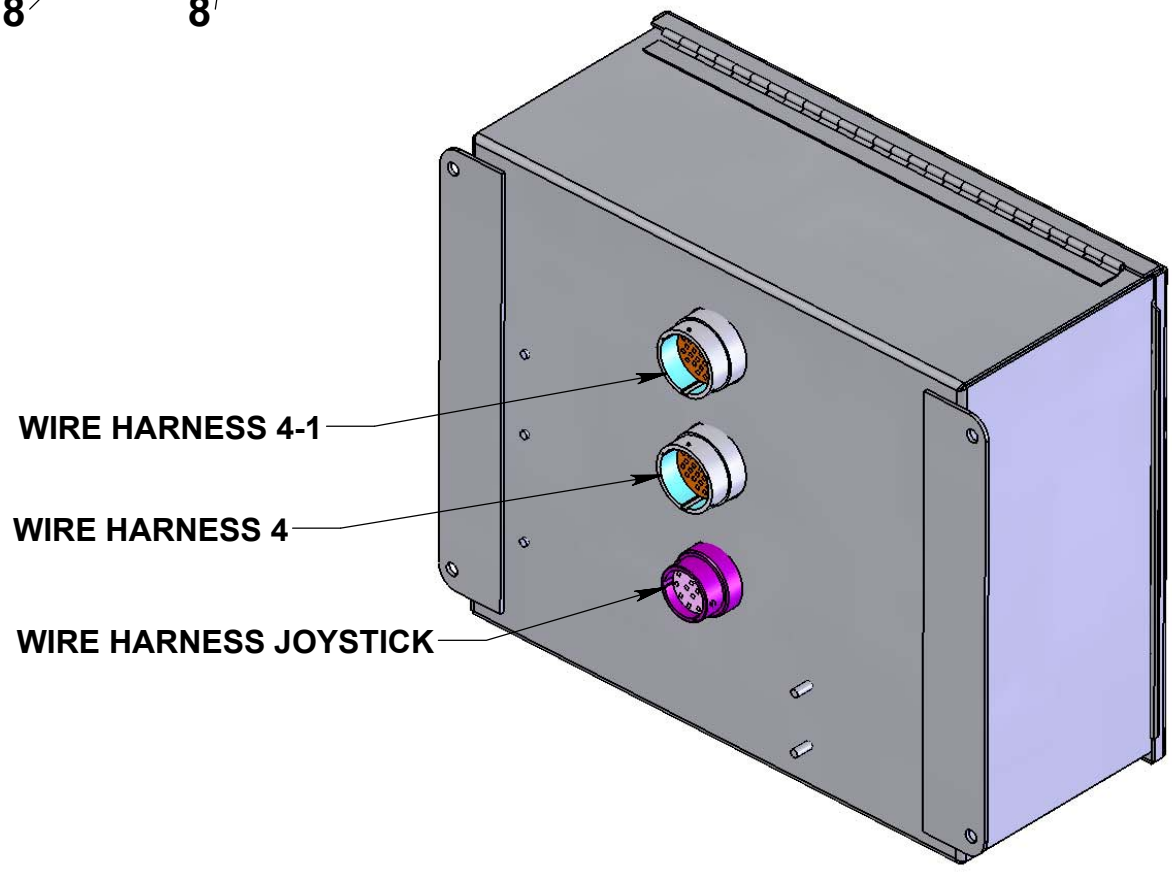
ITEM #	PART #	DESCRIPTION	QTY.
46	93988	WIRE * TERMINAL 5/16 RING 10 AWG	4
47	244776-01-4	WIRE ~ 10 AWG RED x 96"	1
48	244776-01-5	WIRE TIE ~ 3/16 x 4 (57 EACH)	1
49	244776-01-6	WIRE TIE ~ 3/16 x 5 1/2 (43 EACH)	1
50	221687-04	DEUTSCH CAP SIZE 24	1
51	132173-04	SCREW 1/4-20 X 5/8 B.HEAD STAINLESS	4
52	06996	SCREW * M3-0.5 X 20 5.8 84 SLOT HD.	4
53	92554	WASHER * FLAT #6	8
54	131551	WASHER * LOCK #6	4
55	04762	NUT * M3-0.5 GD.8 934 HEX	4
56	218957-04	ELEC * GROUNDING BAR	1
57	236818-02	DATA PLATE KIT ~ TERMINAL ID STRIPS	1
58	139703-04	WASHER * 1/4 STAR INTERNAL-EXTERNAL	1

NOTE:
THE FOLLOWING TERMINAL STRIPS NUMBER ARE JUMPED
11 TO 12
19 TO 19
26 TO 26
36 TO 36
39 TO 39
80 TO 80
104 TO104
ALL GND
BECM GRIUND

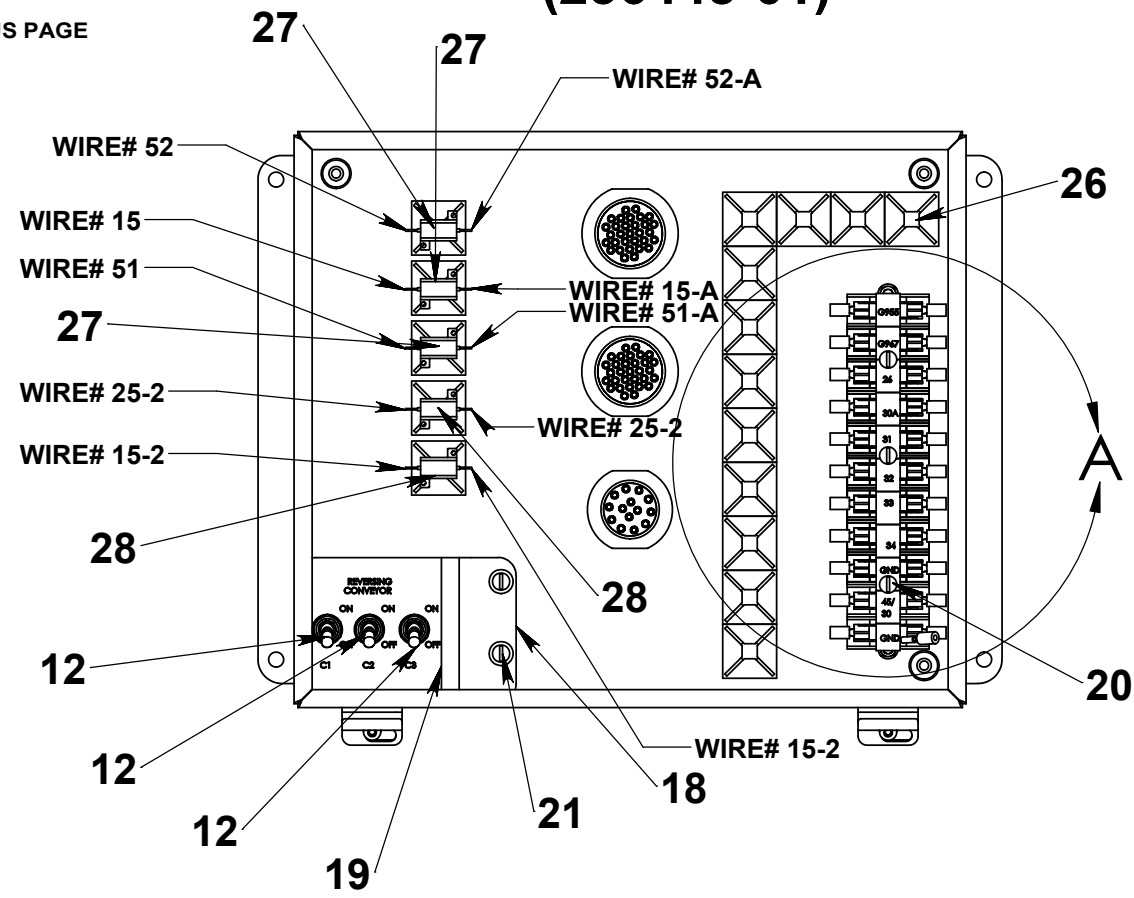
ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

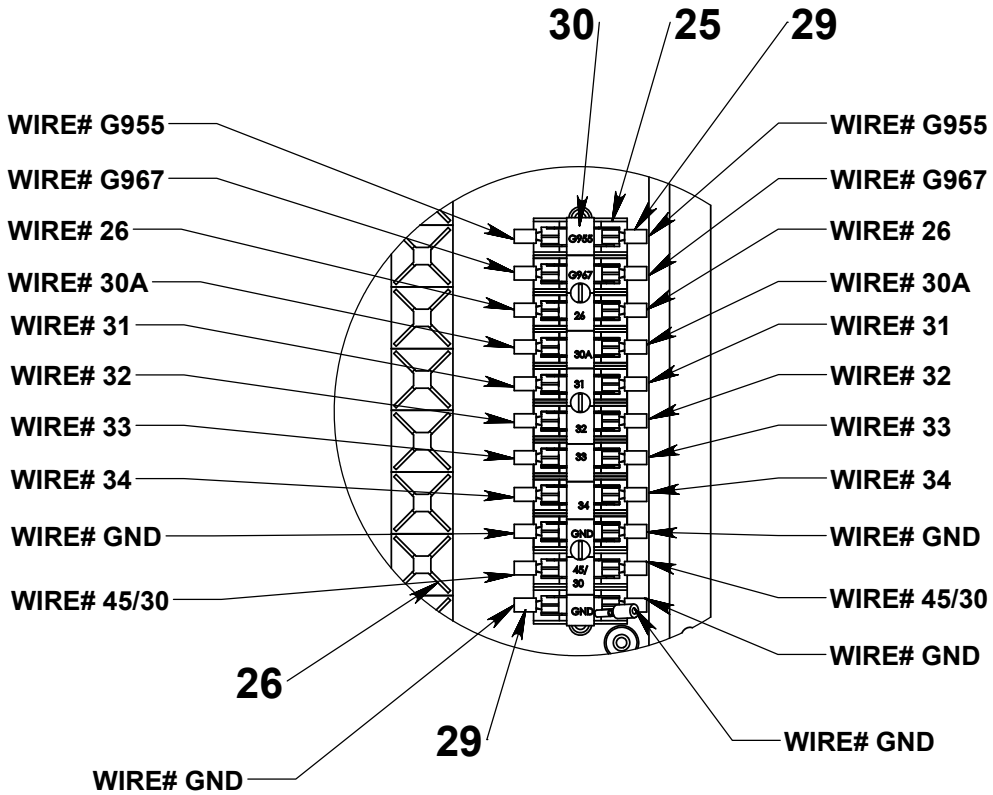
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ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

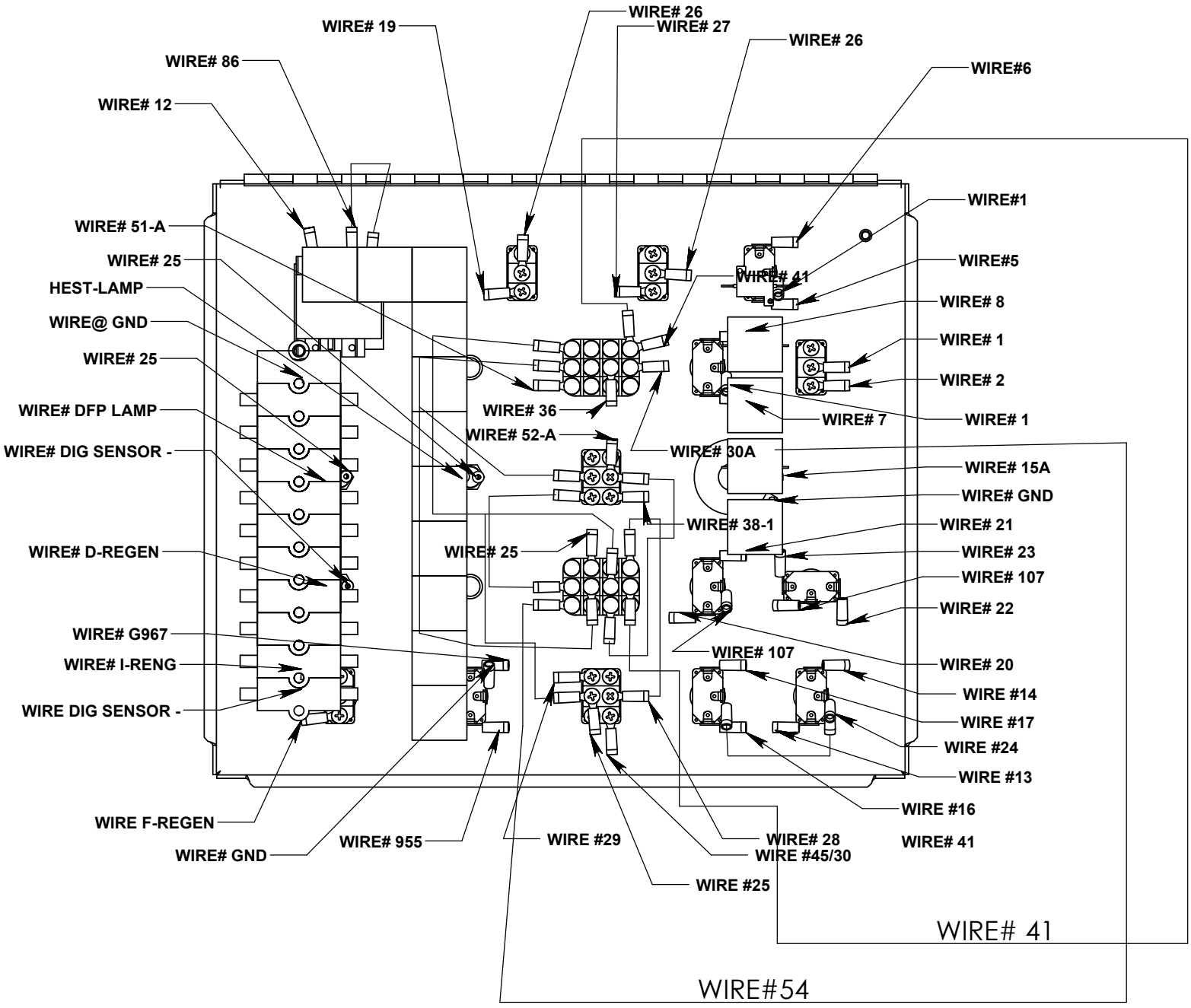




DETAIL A
SCALE 1 : 3.5

ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

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ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

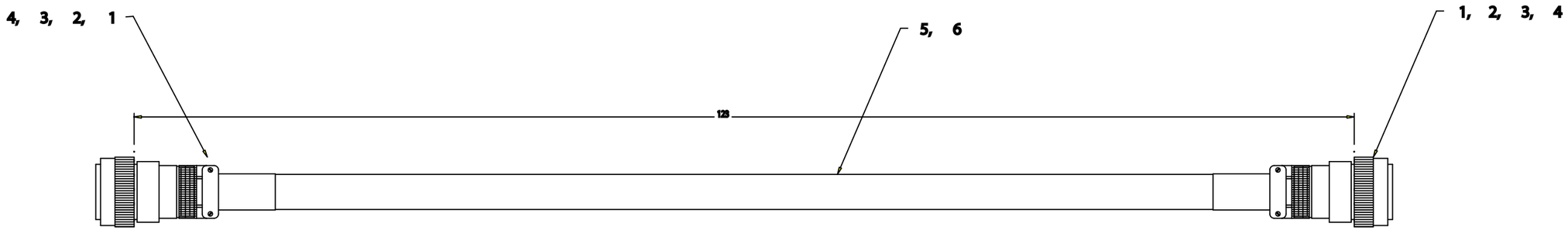
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	236446-01	STEERING CONTROL BOX	1
2	236447-02	DATA PLATE ~ STEERING CONTROL BOX	1
3	224184-04	ELEC * ILLUMINATED E-STOP	1
4	133678	LIGHT * SERIES 177 BASE	3
5	133680	LIGHT * SERIES 177 AMBER LENS	3
6	133682	LIGHT * 28 VOLT	3
7	20P56	SWITCH * TOGGLE SPDT	1
8	139471	SWITCH * TOGGLE MOMENTARY SPRING SPDT	7
9	97944-04	PLUG * HOLE 1/2"	2
10	97678	TOGGLE SWITCH DP-ST	2
11	20Z53	SWITCH * SELECTOR	2
12	97542	SWITCH * ON - OFF TOGGLE SP-ST-SR	5
13	13E68	SWITCH * TOGGLE SP ST ON/OFF	1
14	130406	ELEC * ROTARY POT. 25 WATT/100 OHM	1
15	120276-c1	KNOB * 1/4" SHAFT FOR POTENTIOMETER	1
16	97490-C1	SWITCH * COVER (CUTLER HAMMER)	1
17	93253	WIRE * TERMINAL RING 16GA. (#10)	67
18	121388-02	OPERATORS ENCLOSURE BRACKET	1
19	127431	DATA PLATE ~ REVERSING CONVEYOR	1
20	135807-04	MACH-SCREW SLOTTED HEAD 10-32 X 1	3
21	90101	SCREW SLOTTED HEAD 10-32 X 3/4	2
22	92552	WASHER * FLAT #10	2
23	90103	WASHER * LOCK #10	2
24	98319	WIRE * FEMALE SPADE TERMINAL	6
25	13C69	ELEC * TERMINAL BLOCK	27
26	97976	ADHESIVE MOUNT	30
27	120275	RESISTOR * 75 OHM 10 WATT	3
28	97621	RESISTOR * 100 OHM / 10 WATT	2
29	210433-04		23
30	230620-04	DATA PLATE * TERMINAL STRIP	1
31	236448-01-1	WIRE TIE ~ 3/16 x 4 (48 EA)	1
32	236448-01-2	WIRE TIE ~3/16 x 5 1/2 (44EA)	1

HARNESS- STEERING BOX CABLE 4
(237059-01)

31 PIN LAY-OUT

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

ITEM	IDENT	DESCRIPTION	QTY
1	211957-04	DEUTSCH 31 PIN PLUG W/CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	60
3	133741-04	SEALING PLUG	4
4		WIRE 16 AWG RED (126-16800-500-22)	492
5		WIRE 16 AWG LIGHT BLUE(126-16800-500-22L)	2976
6	143719	SPLIT LOOM ~ 1 1/4"	99
7		WIRE 16 AWG WHITE/BLACK (126-16800-500-90)	123



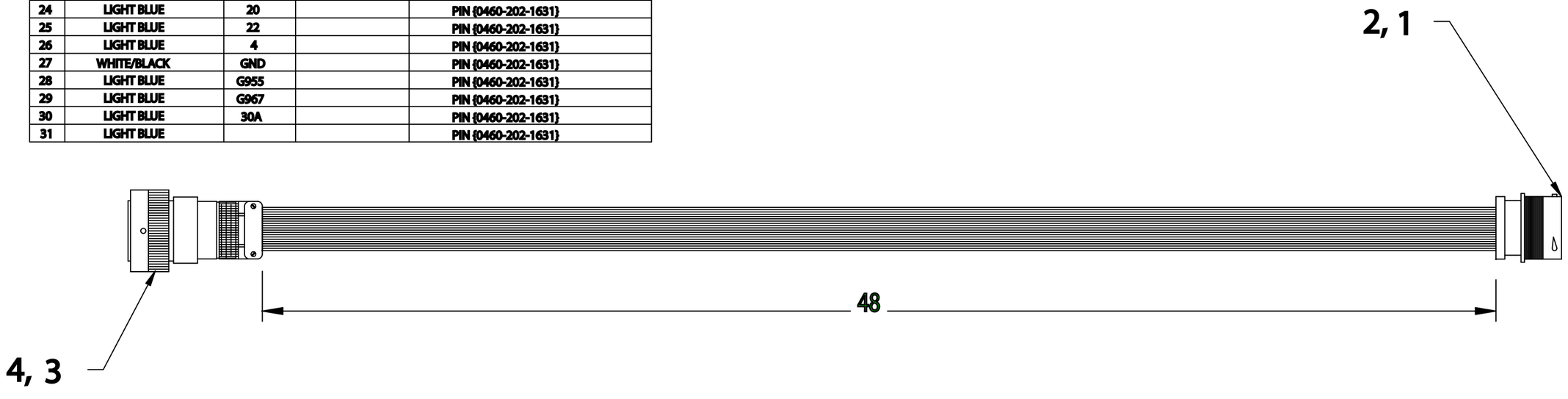
THIS DWG MATES WITH 230625-03

HARNESS EXT'N.- STEERING BOX CABLE 4
(237352-03)

ITEM	IDENT	DESCRIPTION	QTY
1	211956-04	DEUTSCH ~ 31 PIN RECEPTACLE	1
2	137176-04	PINS CONNECTOR ~ 16 AWG	31
3	211957-04	PLUG ~ 31 WAY DEUTSCH	1
4	133746-04	DEUTSCH 16-18 AWG SOCKETS	31
5		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	48
6		WIRE 16 AWG LT BLUE (126-16800-500-66L)	1248
7		WIRE 16 AWG RED (126-16800-500-22)	192
6	98298	SPLIT LOOM ~ 1"	48

31 PIN LAY-OUT

PIN	COLOR	WIRE #	WIRE LENGTH	DEUTSCH TERMINAL USED
1	LIGHT BLUE	27		PIN {0460-202-1631}
2	LIGHT BLUE	6		PIN {0460-202-1631}
3	LIGHT BLUE	13		PIN {0460-202-1631}
4	LIGHT BLUE	21		PIN {0460-202-1631}
5	LIGHT BLUE	29		PIN {0460-202-1631}
6	LIGHT BLUE	8		PIN {0460-202-1631}
7	LIGHT BLUE	2		PIN {0460-202-1631}
8	LIGHT BLUE	86		PIN {0460-202-1631}
9	RED	1		PIN {0460-202-1631}
10	LIGHT BLUE	5		PIN {0460-202-1631}
11	RED	26		PIN {0460-202-1631}
12	LIGHT BLUE	28		PIN {0460-202-1631}
13	LIGHT BLUE	19		PIN {0460-202-1631}
14	LIGHT BLUE	16		PIN {0460-202-1631}
15	LIGHT BLUE	17		PIN {0460-202-1631}
16	LIGHT BLUE	15		PIN {0460-202-1631}
17	LIGHT BLUE	7		PIN {0460-202-1631}
18	LIGHT BLUE	12		PIN {0460-202-1631}
19	LIGHT BLUE	23		PIN {0460-202-1631}
20	LIGHT BLUE	14		PIN {0460-202-1631}
21	LIGHT BLUE	3		PIN {0460-202-1631}
22	RED	24		PIN {0460-202-1631}
23	RED	25		PIN {0460-202-1631}
24	LIGHT BLUE	20		PIN {0460-202-1631}
25	LIGHT BLUE	22		PIN {0460-202-1631}
26	LIGHT BLUE	4		PIN {0460-202-1631}
27	WHITE/BLACK	GND		PIN {0460-202-1631}
28	LIGHT BLUE	G955		PIN {0460-202-1631}
29	LIGHT BLUE	G967		PIN {0460-202-1631}
30	LIGHT BLUE	30A		PIN {0460-202-1631}
31	LIGHT BLUE			PIN {0460-202-1631}

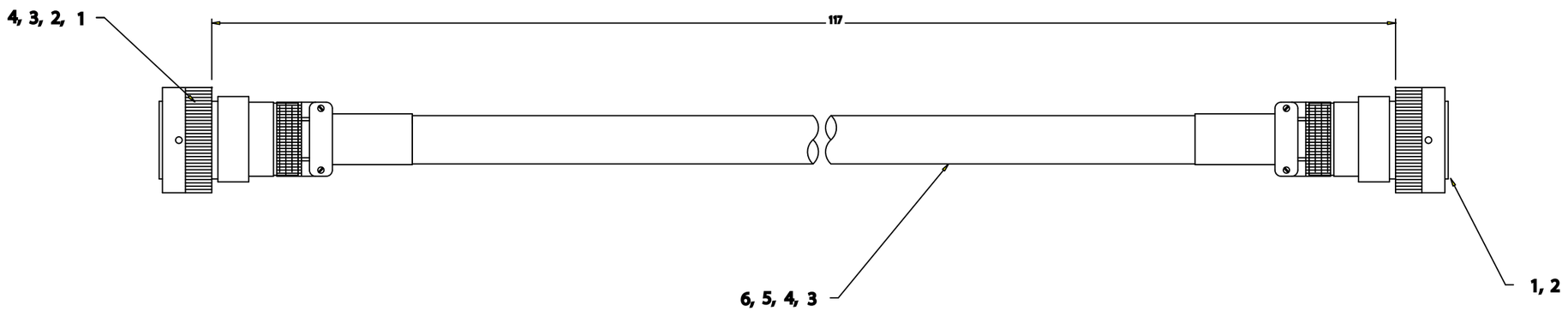


HARNESS- STEERING BOX CABLE 4-1
(236631-01)

31 PIN LAY-OUT

PIN	COLOR	WIRE #	WIRE LENGTH	DEUTSCH TERMINAL USED
1	RED	25		DEUTSCH PINS
2	RED	25		DEUTSCH PINS
3	WHITE/BLACK	GND		DEUTSCH PINS
4	WHITE/BLACK	GND		DEUTSCH PINS
5	RED	26		DEUTSCH PINS
6	RED	36		DEUTSCH PINS
7	WHITE/BLACK	GND		DEUTSCH PINS
8	WHITE/BLACK	GND		DEUTSCH PINS
9	LIGHT BLUE	29		DEUTSCH PINS
10	LIGHT BLUE	31		DEUTSCH PINS
11	LIGHT BLUE	32		DEUTSCH PINS
12	LIGHT BLUE	33		DEUTSCH PINS
13	LIGHT BLUE	34		DEUTSCH PINS
14	LIGHT BLUE	41		DEUTSCH PINS
15	LIGHT BLUE	51		DEUTSCH PINS
16	LIGHT BLUE	52		DEUTSCH PINS
17	LIGHT BLUE	63		DEUTSCH PINS
18	LIGHT BLUE	107		DEUTSCH PINS
19	LIGHT BLUE	15-2		DEUTSCH PINS
20	LIGHT BLUE	38-1		DEUTSCH PINS
21	LIGHT BLUE	45/30		DEUTSCH PINS
22	LIGHT BLUE	51-1		DEUTSCH PINS
23	LIGHT BLUE	52-1		DEUTSCH PINS
24	LIGHT BLUE	I-REGEN		DEUTSCH PINS
25	LIGHT BLUE	D-REGEN		DEUTSCH PINS
26	LIGHT BLUE	DFP LAMP		DEUTSCH PINS
27	LIGHT BLUE	HEST LAMP		DEUTSCH PINS
28	LIGHT BLUE	DIG SENSOR		DEUTSCH PINS
29	LIGHT BLUE	DIG SNNSOR		DEUTSCH PINS
30	LIGHT BLUE	F-REGEN		DEUTSCH PINS
31	LIGHT BLUE	SPARE 4		DEUTSCH PINS

ITEM	IDENT	DESCRIPTION	QTY
1	211959-04	PLUG ~ 31 PIN DEUTSCH PLUG	2
2	137176-04	PINS CONNECTOR ~ 16 AWG	62
3		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	282
4		WIRE ~ 16 AWG RED (126-16800-5000-22)	561
5		WIRE ~ 16 AWG LIGHT BLUE (126-16800-5000-66L)	2854
6	98298	SPLIT LOOM ~ 1"	93"



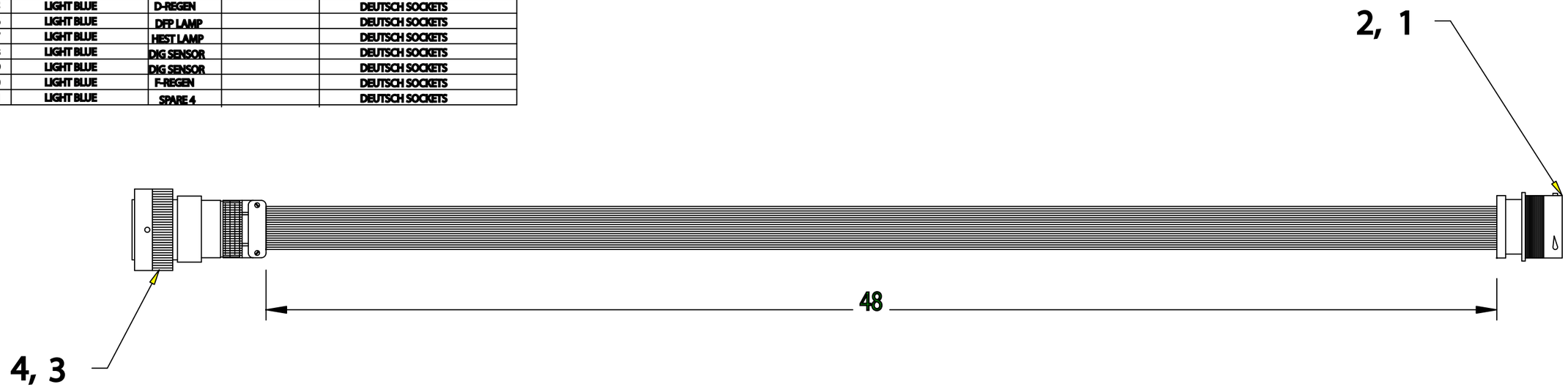
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

HARNESS EXT'N.- STEERING BOX CABLE 4-1
(237350-03)

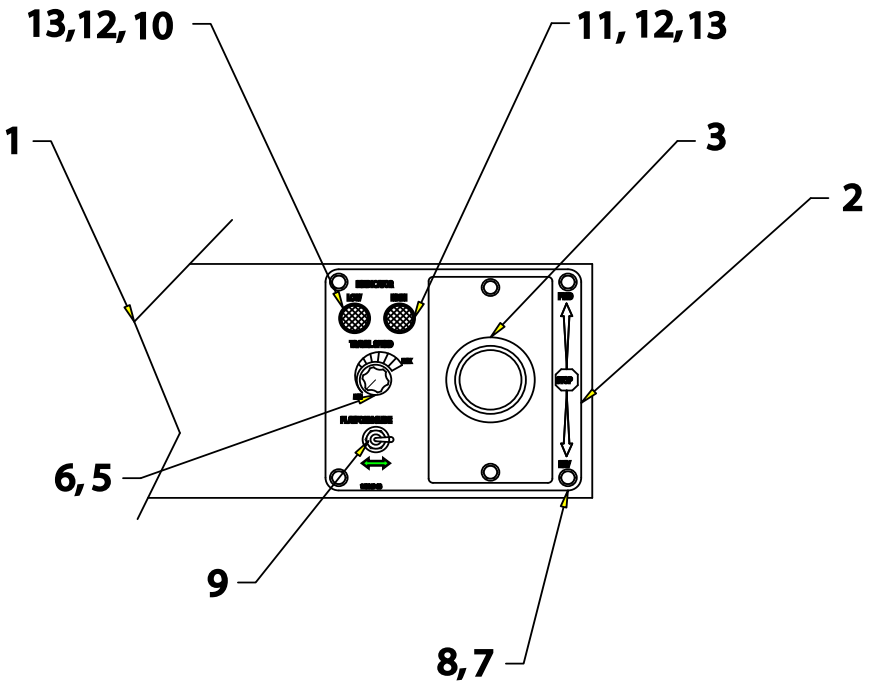
ITEM	IDENT	DESCRIPTION	QTY
1	211958-04	DEUTSCH ~ 31 PIN RECEPTACLE	1
2	133746-04	DEUTSCH 16-18 AWG SOCKETS	31
3	211959-04	PLUG ~ 31 WAY DEUTSCH	1
4	137176-04	PINS CONNECTOR ~ 16 AWG	31
5		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	192
6		WIRE 16 AWG LT BLUE (126-16800-500-66L)	1104
7		WIRE 16 AWG RED (126-16800-500-22)	192
6	98298	SPLIT LOOM ~ 1"	48

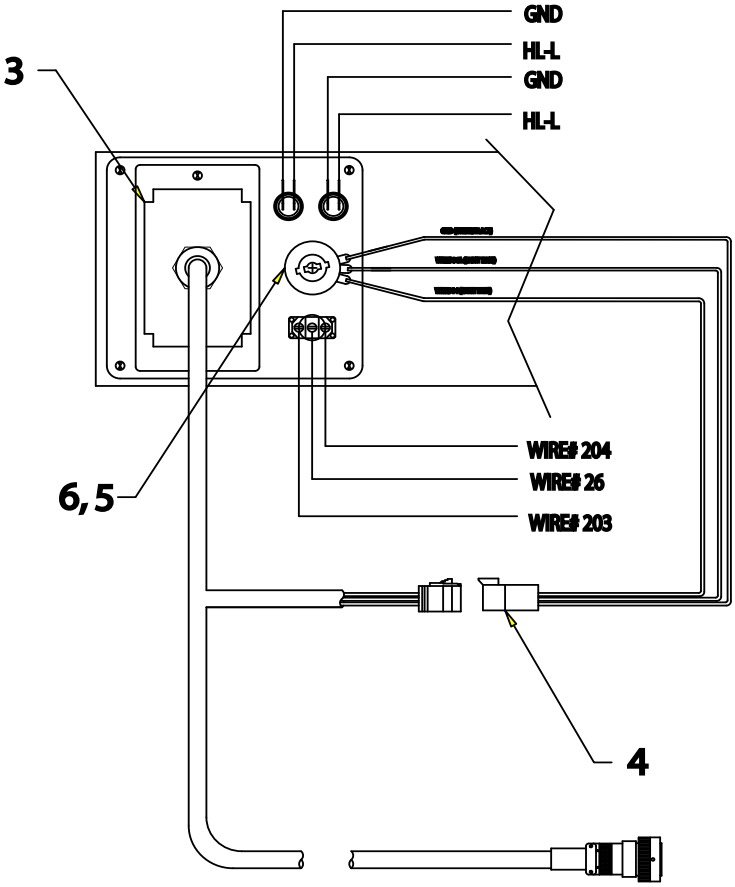
31 PIN LAY-OUT

PIN	COLOR	WIRE #	WIRE LENGTH	DEUTSCH TERMINAL USED
1	RED	25		DEUTSCH SOCKETS
2	RED	25		DEUTSCH SOCKETS
3	WHITE/BLACK	GND		DEUTSCH SOCKETS
4	WHITE/BLACK	GND		DEUTSCH SOCKETS
5	RED	26		DEUTSCH SOCKETS
6	RED	36		DEUTSCH SOCKETS
7	WHITE/BLACK	GND		DEUTSCH SOCKETS
8	WHITE/BLACK	GND		DEUTSCH SOCKETS
9	LIGHT BLUE	29		DEUTSCH SOCKETS
10	LIGHT BLUE	31		DEUTSCH SOCKETS
11	LIGHT BLUE	32		DEUTSCH SOCKETS
12	LIGHT BLUE	33		DEUTSCH SOCKETS
13	LIGHT BLUE	34		DEUTSCH SOCKETS
14	LIGHT BLUE	41		DEUTSCH SOCKETS
15	LIGHT BLUE	51		DEUTSCH SOCKETS
16	LIGHT BLUE	52		DEUTSCH SOCKETS
17	LIGHT BLUE	63		DEUTSCH SOCKETS
18	LIGHT BLUE	107		DEUTSCH SOCKETS
19	LIGHT BLUE	15-2		DEUTSCH SOCKETS
20	LIGHT BLUE	38-1		DEUTSCH SOCKETS
21	LIGHT BLUE	45/30		DEUTSCH SOCKETS
22	LIGHT BLUE	51-1		DEUTSCH SOCKETS
23	LIGHT BLUE	52-1		DEUTSCH SOCKETS
24	LIGHT BLUE	I-REGEN		DEUTSCH SOCKETS
25	LIGHT BLUE	D-REGEN		DEUTSCH SOCKETS
26	LIGHT BLUE	DFP LAMP		DEUTSCH SOCKETS
27	LIGHT BLUE	HEST LAMP		DEUTSCH SOCKETS
28	LIGHT BLUE	DIG SENSOR		DEUTSCH SOCKETS
29	LIGHT BLUE	DIG SENSOR		DEUTSCH SOCKETS
30	LIGHT BLUE	F-REGEN		DEUTSCH SOCKETS
31	LIGHT BLUE	SPARE 4		DEUTSCH SOCKETS



OPERATOR DRIVE CONSOLE ASSEMBLY
(237247-01)



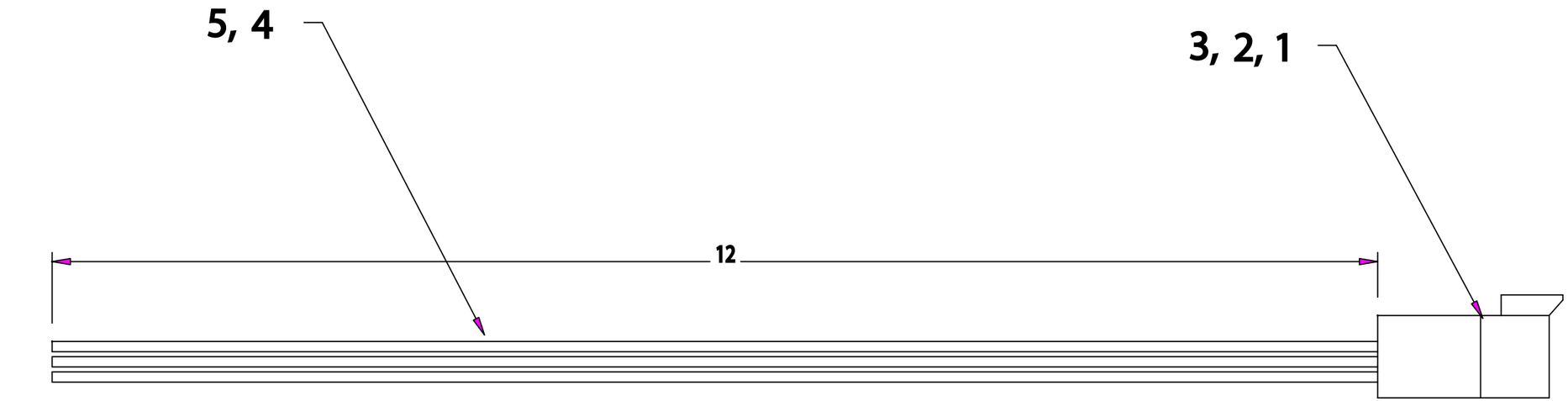


OPERATOR DRIVE CONSOLE ASSEMBLY
(237247-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1		OPERATOR MAIN CONSOLE WLDMT.	REF
2	200985-03	DECAL - OPERATOR DRIVE CONSOLE BOX	1
3	237383-02	JOYSTICK ASSY.	1
4	SEE KIT	WIRE HARNESS - ROTARY POT OPERATOR DRIVE	REF
5	130406	ROTARY POT 25 WATSS 100 OHM	1
6	120276-C1	ROTARY POT KNOB 1/4" SHAFT	1
7	133842	HEX HEAD SELF-DRILLING SCREWS - 1/4-20 X 3/4"	6
8	84444	FLAT WASHER - 1/4"	6
9	139471	SWITCH - TOGGLE MOMENTARY SPRING	1
10	80446-04	LIGHT - RED JEWEL LENS	1
11	80448-04	LIGHT - GREEN JEWEL LENS	1
12	80445-04	LIGHT BULB 24 VOLT	2
13	80449-04	LIGHT SOCKET	2
14			
15			

HARNESS- ROTARY POT (OPERATOR DRIVE)
(214542-03)

ITEM	IDENT	DESCRIPTION	QTY
1	201910	DEUTSCH 3 PIN RECEPTACLE	1
2	133746-04	DEUTSCH 16 AWG PINS	3
3	201942	DEUTSCH LOCKING WEDGE	1
4		WIRE ~ 16 AWG LIGHT BLUE (126-16800-5000-66L)	24"
5		WIRE ~ 16 AWG WHITE/BLACK (126-16800-5000-90)	12"



SLUG WIRE ENDS

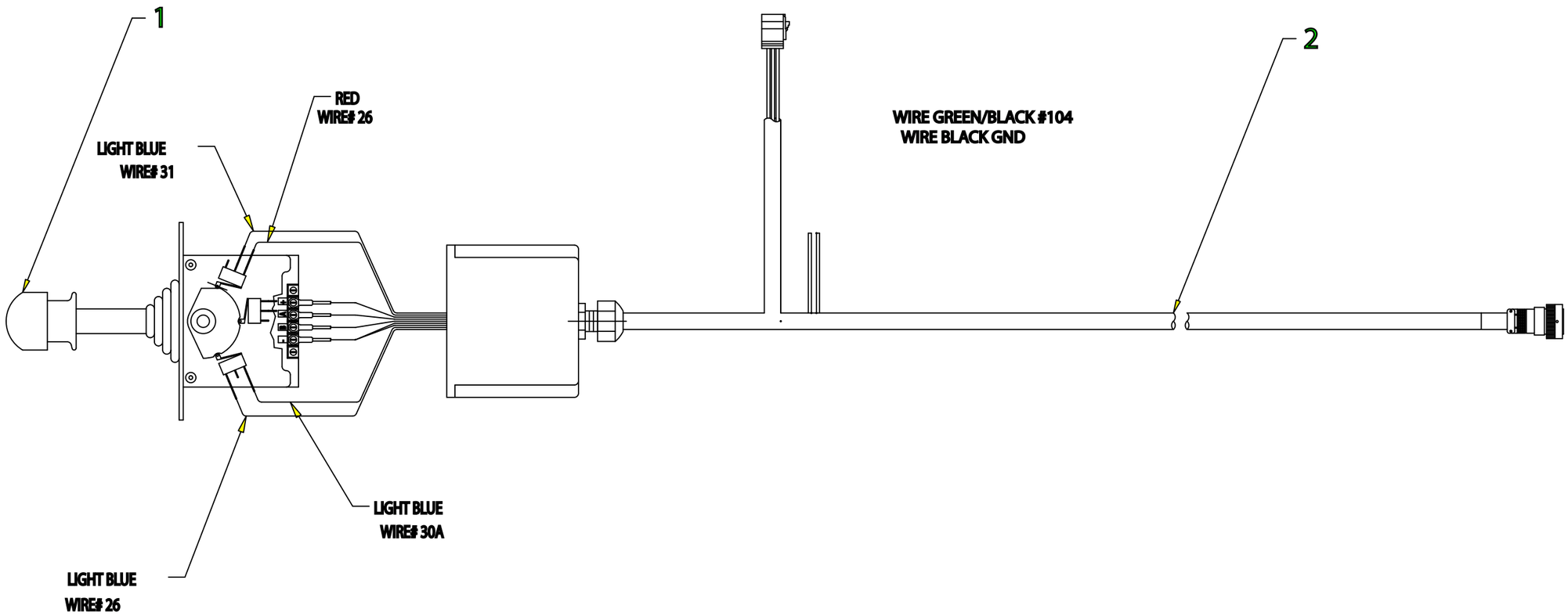
3 PIN DEUTSCH

PIN	COLOR	WIRE #
A	LIGHT BLUE	34
B	WHITE/BLACK	GND
C	LIGHT BLUE	34A

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

JOYSTICK ASSEMBLY
(237383-02)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	236324-04	ELECTRICAL CONTROL	1
2	230618-02	WIRE HARNESS - JOYSTICK	REF
3			
4			
5			



4 SCREWS ON JOYSTICK

PIN	COLOR	WIRE #
-	WHITE/BLACK	GND
B	LIGHT BLUE	33
A	LIGHT BLUE	32
+	LIGHT BLUE	34A

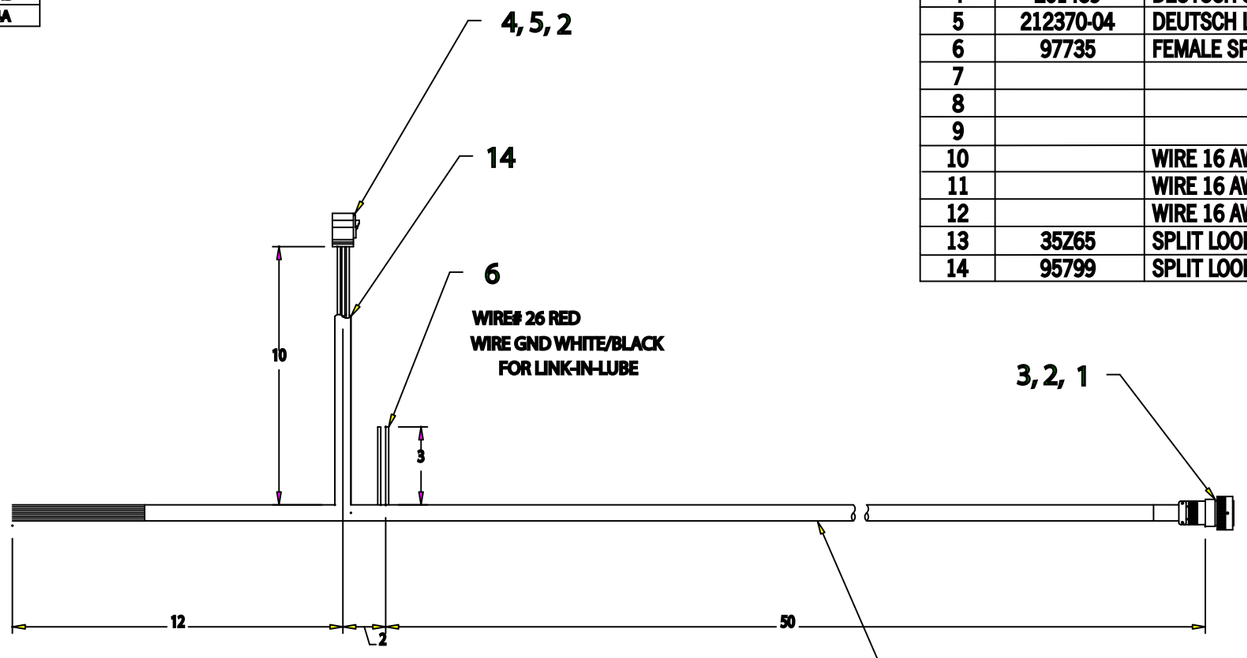
NOTE: WHITE/BLACK GROUND JUMP TO 3 PIN DUTSCH (PIN B)
NOTE: BLUE/WHITE GROUND TO 3 PIN DUTSCH (PIN C)

HARNESS- JOYSTICK
(230618-02)

ITEM	IDENT	DESCRIPTION	QTY
1	211947-04	DEUTSCH 14 PIN PLUG W/CLAMP	1
2	133746-04	DEUTSCH 16 AWG SOCKETS	14
3	133741-04	DEUTSCH SEALING PLUG	4
4	201439	DEUTSCH 3 PIN PLUG	1
5	212370-04	DEUTSCH LOCKING WEDGE	1
6	97735	FEMALE SPADE TERMINAL	2
7			
8			
9			
10		WIRE 16 AWG RED (126-16800-5000-22)	149"
11		WIRE 16 AWG WHITR/BLACK (126-16800-5000-90)	205"
12		WIRE 16 AWG LIGHT BLUE (126-16800-5000-66L)	698"
13	35Z65	SPLIT LOOM ~ 3/4	48"
14	95799	SPLIT LOOM ~ 3/8	10

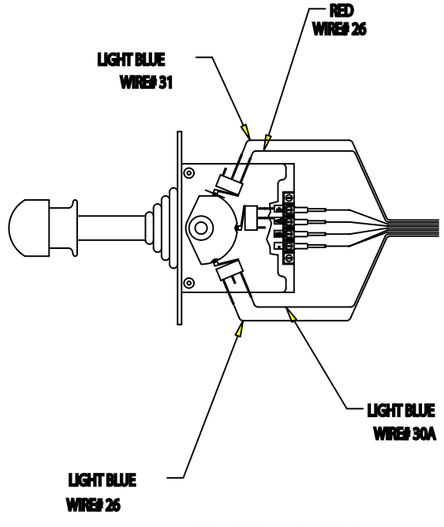
3 PIN DEUTSCH

PIN	COLOR	WIRE #
A	LIGHT BLUE	34
B	WHITE/BLACK	GND
C	LIGHT BLUE	34A



14 PIN LAY-OUT DETAIL

PIN	COLOR	WIRE #
A	LIGHT BLUE	33
B	LIGHT BLUE	31
C	LIGHT BLUE	32
D	WHITE/BLACK	GND
E	WHITE/BLACK	GND
F	RED	26
G	LIGHT BLUE	34
H		
J	LIGHT BLUE	30A
K		
L	WHITE/BLACK	GND
M	RED	26
N		
P	RED	26



CONTROL JOYSTICK
REFERENCE

4 SCREWS ON JOYSTICK

PIN	COLOR	WIRE #
-	WHITE/BLACK	GND
B	LIGHT BLUE	33
A	LIGHT BLUE	32
+	LIGHT BLUE	34A

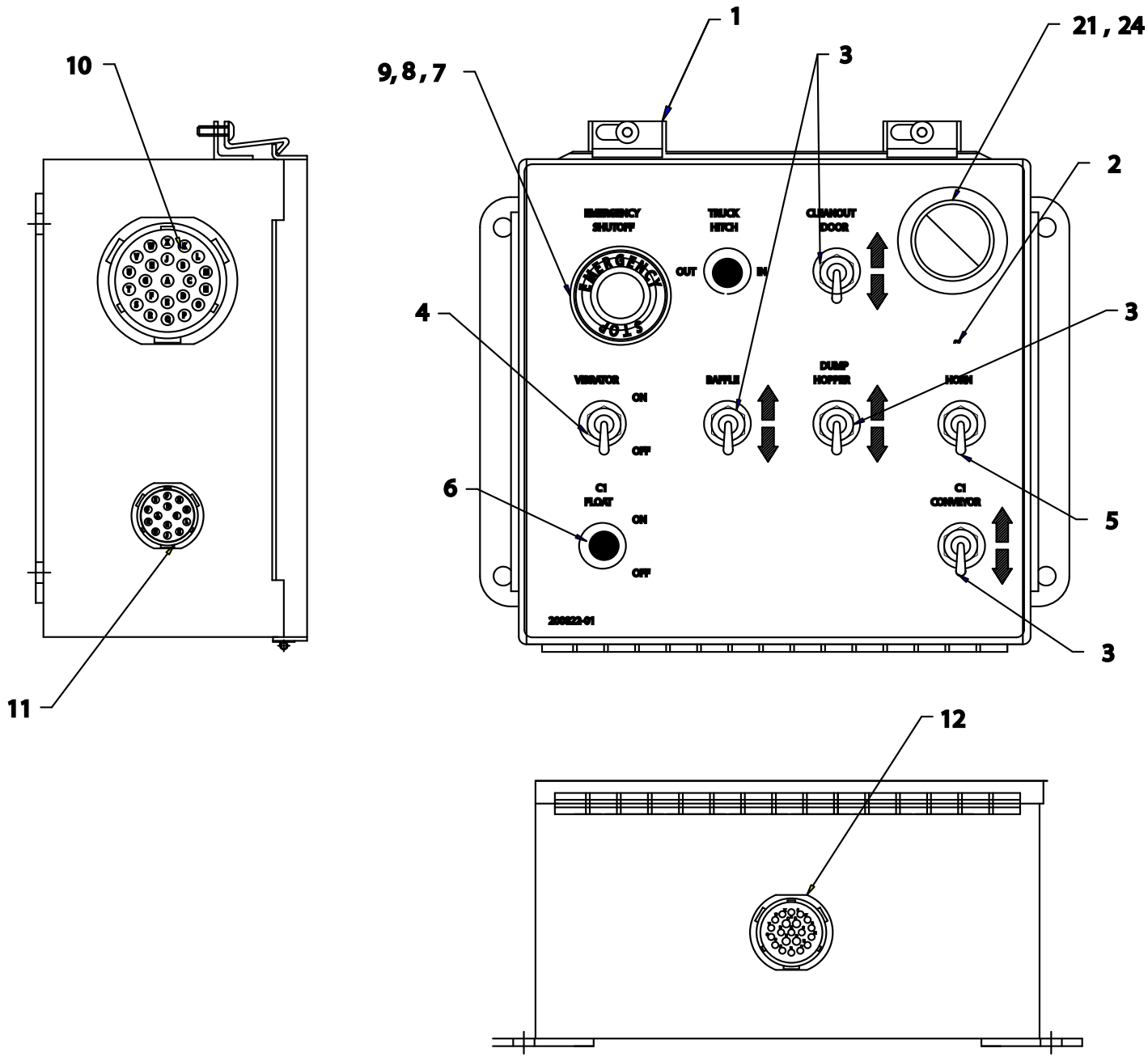
THIS PIG TAIL MATED WITH 230617-02

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

ROADTEC
an Astec Industries Company

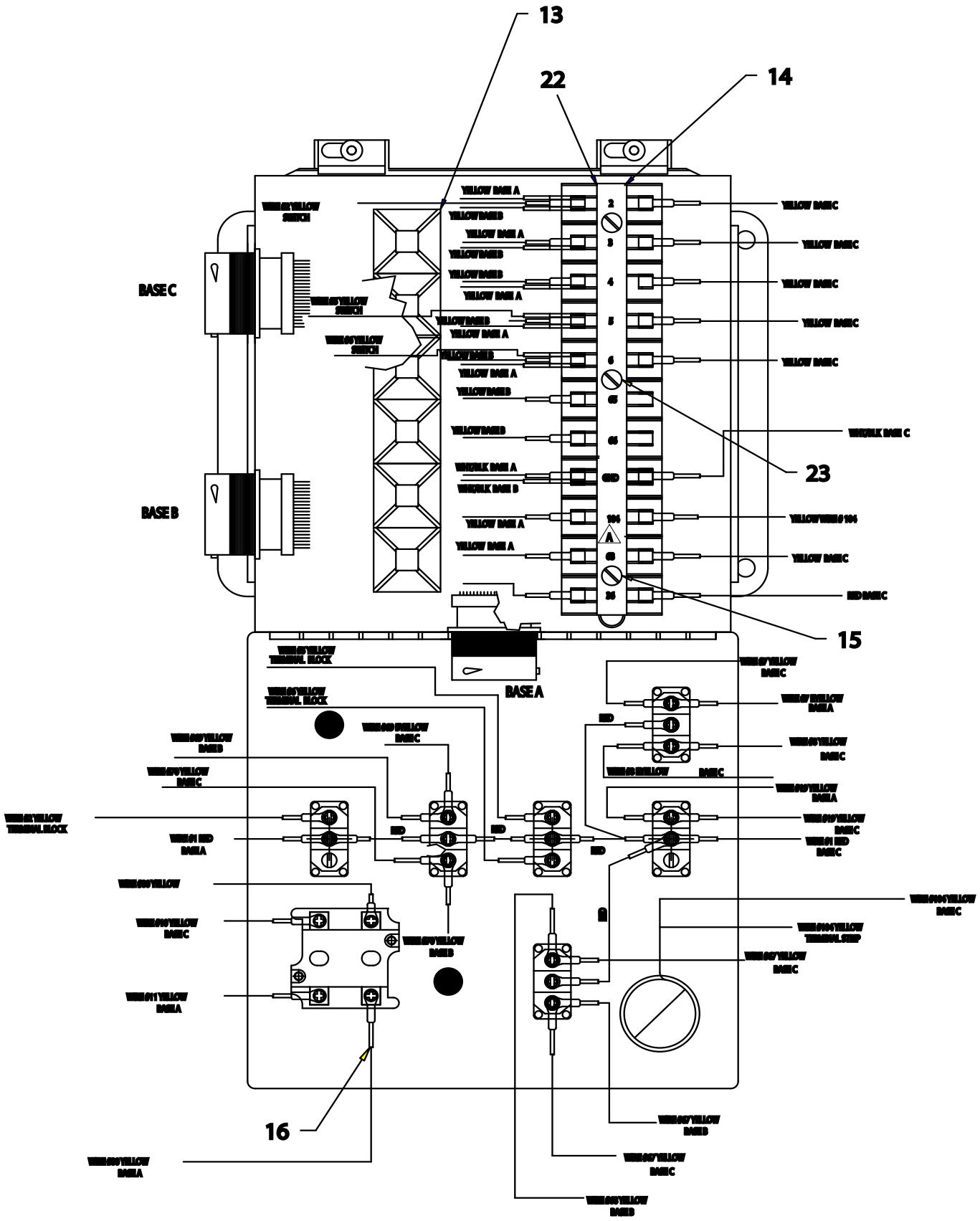
R.H. C-1 CONTROL BOX ASSEMBLY
(238331-01)

NEXT PAGE



PREVIOUS PAGE

R.H. C-1 CONTROL BOX ASSEMBLY
(238331-01)

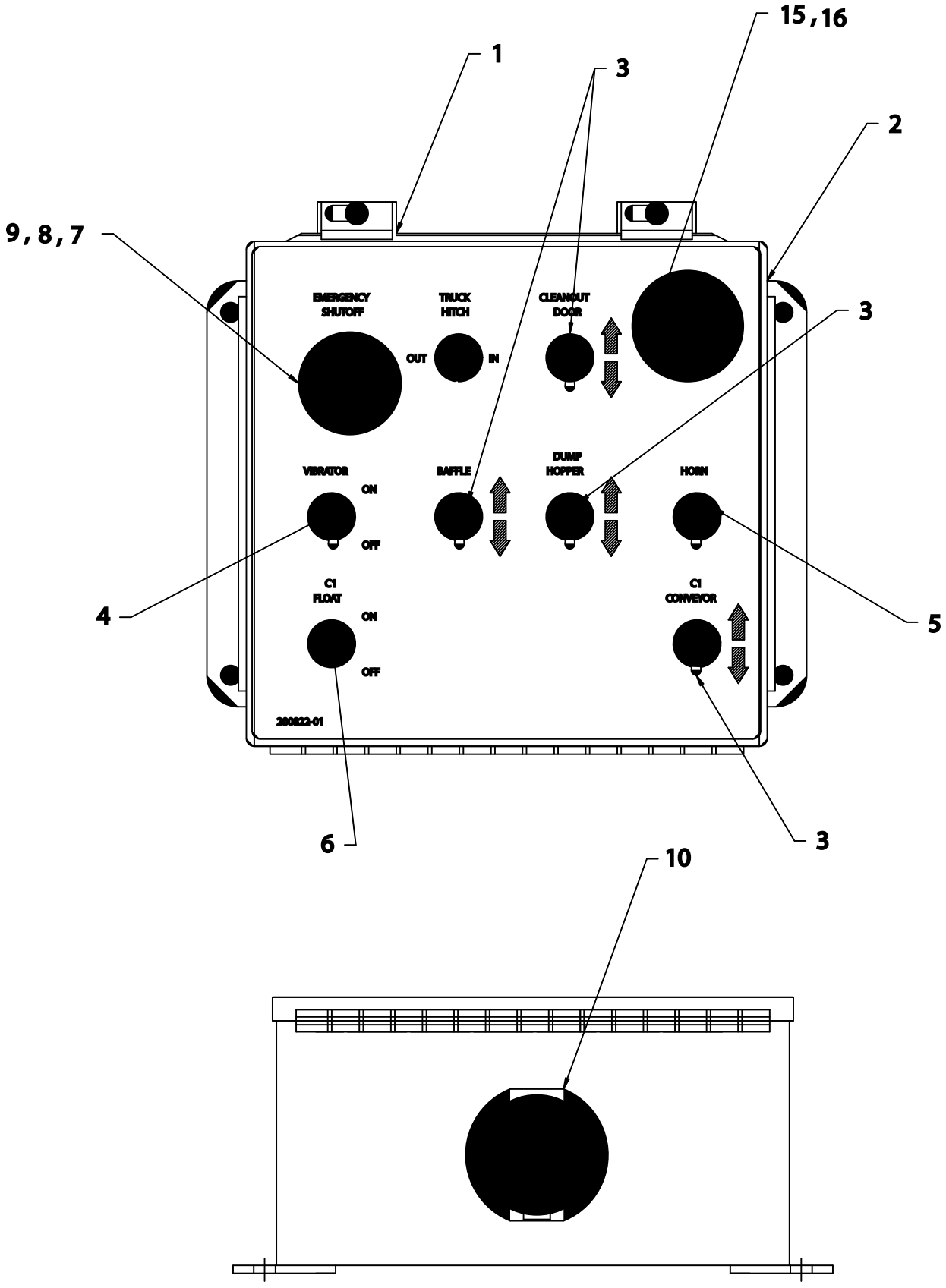


R.H. C-1 CONTROL BOX ASSEMBLY
(238331-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214193-01	C1 CONTROL BOX RH	1
2	214305-02	DECAL - C1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97542	TOGGLE SWITCH	1
6	97944-04	HOLE PLUG 1/2"	2
7	93251-04	SWITCH - EMERGENCY STOP	1
8	93250-04	EMERGENCY STOP CONTACT BLOCK	1
9	93251-04-C3	EMERGENCY STOP BUTTON	1
10	214221-02	PIG TAIL - C1 CONTROL BOX CROSSOVER	1
11	215505-02	PIG TAIL - C1 VALVE MANIFOLD	1
12	215555-02	PIG TAIL - RIGHT HAND C1 CONTROL BOX	1
13	97976	ADHESIVE MOUNT	12
14	13C69	TERMINAL BLOCK	11
15	210432-04	CONNECTORS AMP FEMALE 16 AWG	20
16	93253	RING TERMINAL 16 AWG	30
17	83856-04	WIRE TIE - 3/16 X 4 NYLON	40
18	126976	WIRE TIE - 3/16 X 5 1/2 NYLON	15
19	38Z57	FEMALE TERMINAL	4
20	97735	FEMALE TERMINAL	4
21	143317-04	DOME LIGHT	1
22	149628-04	DATA PLATE - TERMINAL STRIP	1
23	135807-04	SCREW - SLOT HD 10-32 X 1"	3
24	143317-04	SYLVANIA 24V BULB	1
25			

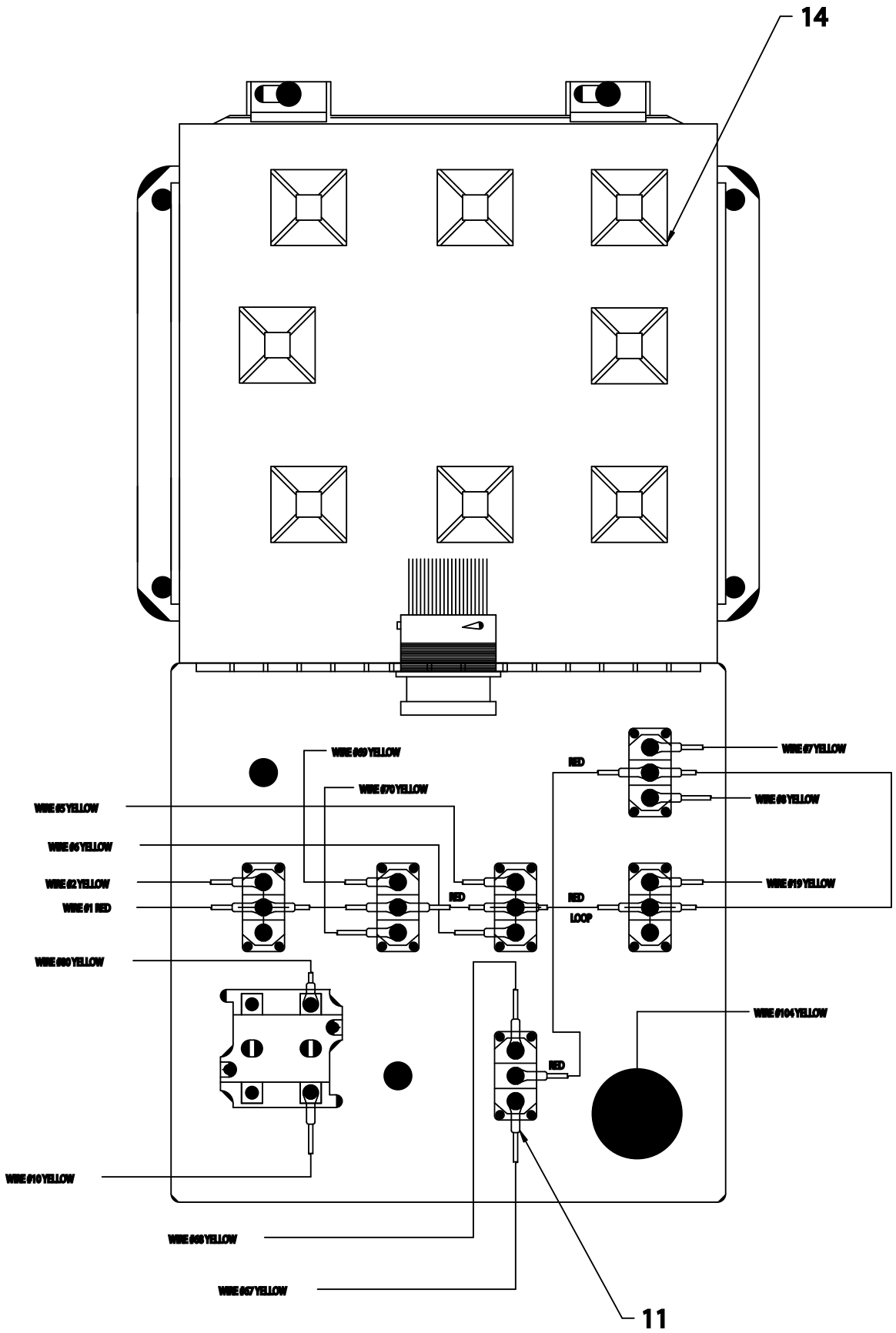
L.H. C-1 CONTROL BOX ASSEMBLY
(238332-01)

NEXT PAGE



PREVIOUS PAGE

L.H. C-1 CONTROL BOX ASSEMBLY
(238332-01)



L.H. C-1 CONTROL BOX ASSEMBLY
(238332-01)

ITEM #	PART NO.	DESCRIPTION	QTY.
1	214192-01	C1 CONTROL BOX LEFT HAND	1
2	214305-02	DECAL - C1 CONTROL BOX	1
3	139471	TOGGLE SWITCH	4
4	13E68	TOGGLE SWITCH	1
5	97542	TOGGLE SWITCH	1
6	97944-04	HOLE PLUG 1/2"	2
7	93251-04	SWITCH - EMERGENCY STOP	1
8	93250-04	EMERGENCY STOP CONTACT BLOCK	1
9	93251-04-C3	EMERGENCY STOP BUTTON	1
10	214221-02	PIG TAIL - C1 CONTROL BOX CROSSOVER	1
11	93253	RING TERMINAL 16 AWG	23
12	83856-04	WIRE TIE - 3/16 X 4" NYLON	16
13	126976	WIRE TIE - 3/16 X 5 1/2" NYLON	20
14	97976	ADHESIVE MOUNT	12
15	143317-04	DOME LIGHT	1
16	143317-04	SYLVANIA 24V BULB	1
17			
18			
19			
20			

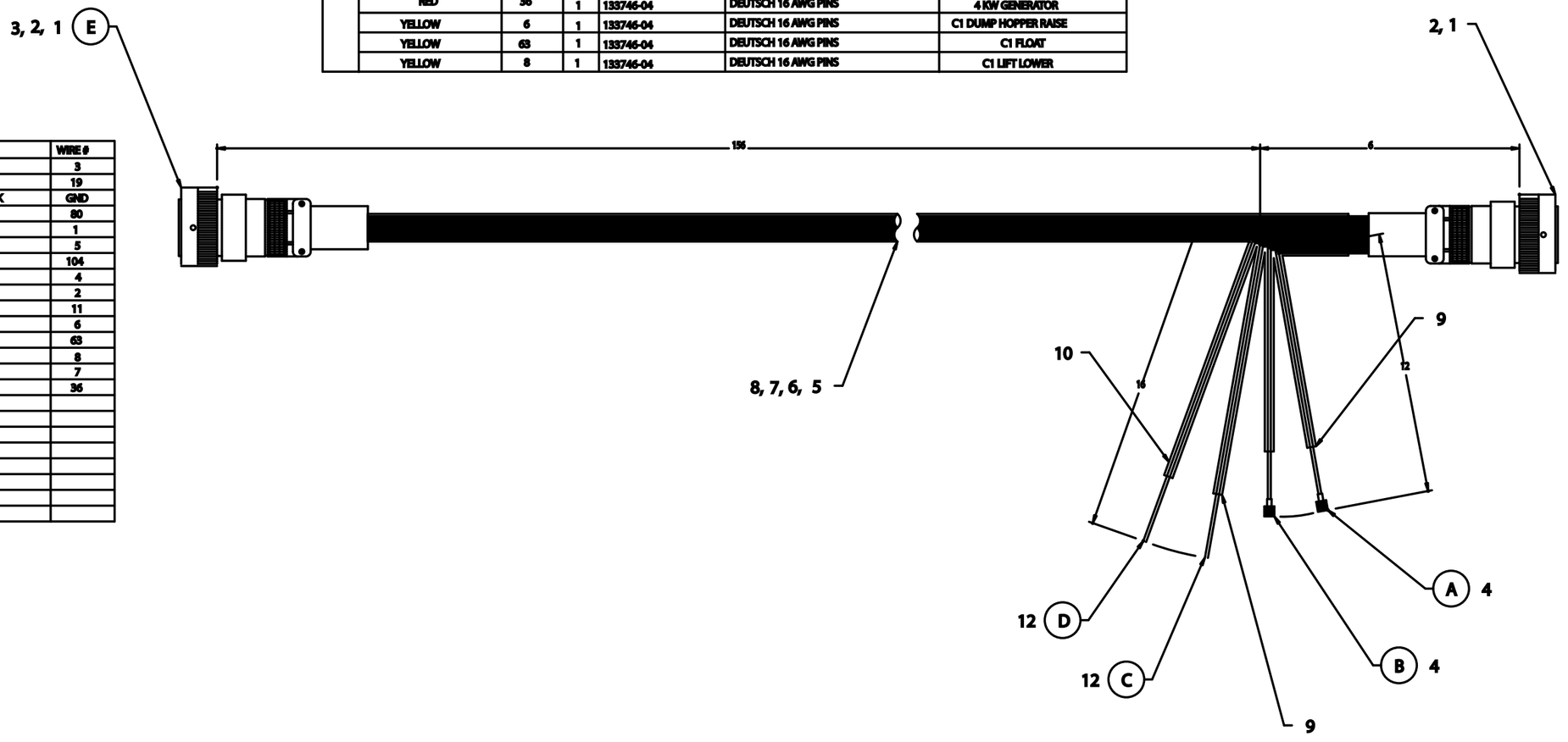
HARNESS- RH C1 CONTROL BOX
(236689-01)

QTY	ITEM	IDENT	DESCRIPTION	
2	1	211955-04	PLUG ~ 23 PIN DEUTSCH REVERSE PLUG W/CLAMP	
38	5	137176-04	DEUTSCH 16 AWG PINS	
8	3	133741-04	SEAL PLUGS	
2	4	236689-01	DIN PLUG SINGLE-ENDED CORDSET 24V	
672"	5		WIRE ~ 12 AWG RED (126-16800-5000-22)	
336"	6		WIRE ~ 12 AWG WHITE/BLACK (126-12800-5000-90)	
5684"	7		WIRE ~ 16 AWG YELLOW (126-16800-5000-44)	
324"	8	98298	SPLIT LOOM ~ 1"	
10"	9	35265	SPLIT LOOM ~ 3/4"	
90"	10	65799	SPLIT LOOM ~ 3/8"	
211"	11	95021	SPLIT LOOM ~ 1/4"	
4	12	97735	FEMALE INSULATED CONNECTOR	

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BROWN	7	1	210688-04	DIN PLUG	C1 LIFT RAISE
	BLUE	GND				
B	BROWN	8	1	210688-04	DIN PLUG	C1 LIFT LOWER
	BLUE	GND				
C	YELLOW	63	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT
	WHITE/BLACK	GND	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT
D	YELLOW	63	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT ASSIST
	WHITE/BLACK	GND	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT ASSIST
E	YELLOW	3	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH IN
	YELLOW	19	1	133746-04	DEUTSCH 16 AWG PINS	HORN
	WHITE/BLACK	GND	1	133746-04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	80	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	RED	1	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	YELLOW	5	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER LOWER
	YELLOW	104	1	133746-04	DEUTSCH 16 AWG PINS	LIGHTS
	YELLOW	4	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH OUT
	YELLOW	2	1	133746-04	DEUTSCH 16 AWG PINS	VIBRATOR
	YELLOW	7	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	YELLOW	11	1	133746-04	DEUTSCH 16 AWG PINS	E-STOP
	RED	36	1	133746-04	DEUTSCH 16 AWG PINS	4 KW GENERATOR
	YELLOW	6	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER RAISE
	YELLOW	63	1	133746-04	DEUTSCH 16 AWG PINS	C1 FLOAT
	YELLOW	8	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT LOWER

23 PIN LAY-OUT

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



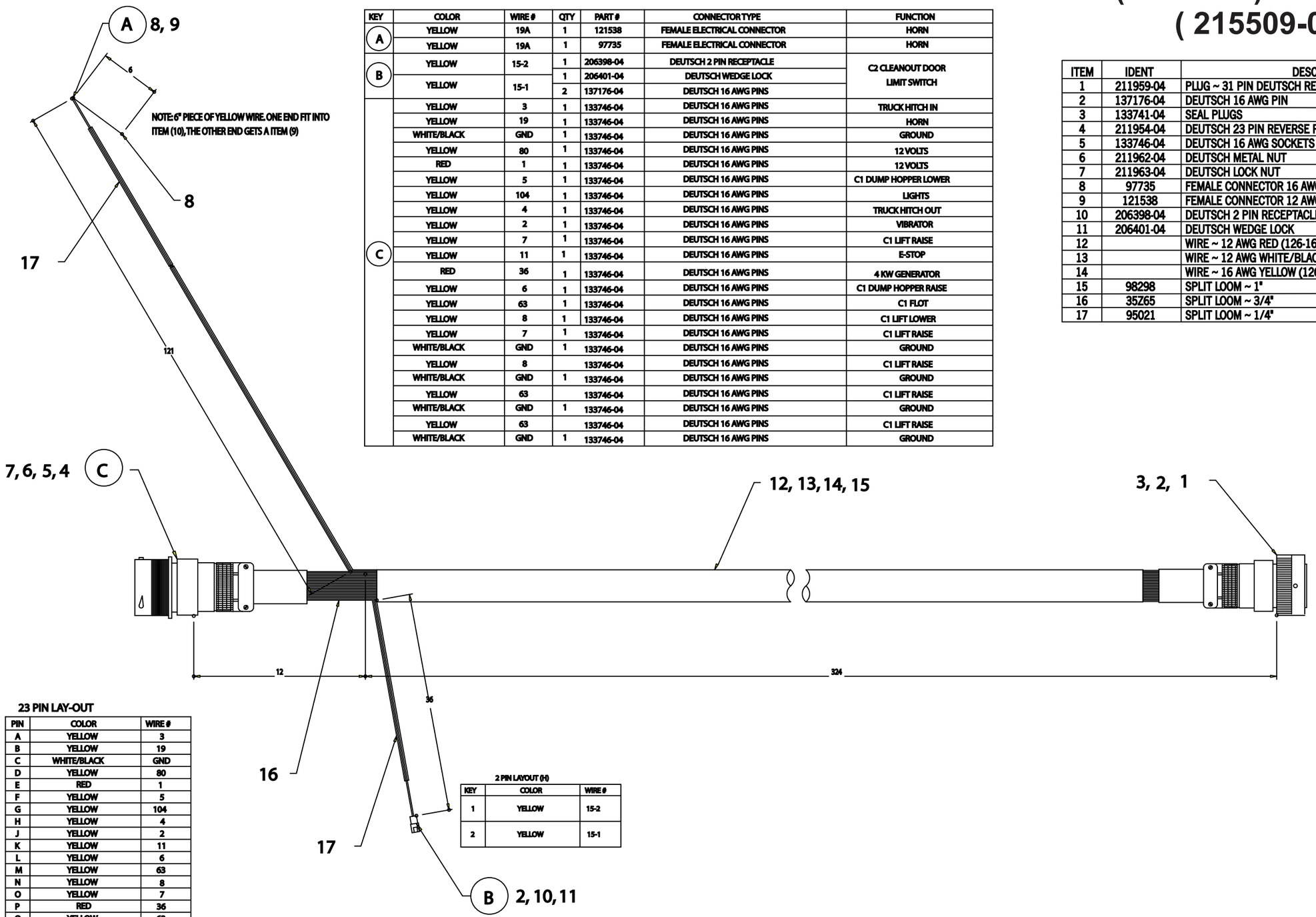
23 PIN LAY-OUT

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

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

ROADTEC
an Astec Industries Company

HARNESS- (JUMPER) TO C1 CONTROL BOX
(215509-01)



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

ITEM	IDENT	DESCRIPTION	QTY
1	211959-04	PLUG ~ 31 PIN DEUTSCH REVERSE W/CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	27
3	133741-04	SEAL PLUGS	4
4	211954-04	DEUTSCH 23 PIN REVERSE RECEPTACLE	1
5	133746-04	DEUTSCH 16 AWG SOCKETS	23
6	211962-04	DEUTSCH METAL NUT	1
7	211963-04	DEUTSCH LOCK NUT	1
8	97735	FEMALE CONNECTOR 16 AWG	2
9	121538	FEMALE CONNECTOR 12 AWG	1
10	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
11	206401-04	DEUTSCH WEDGE LOCK	1
12		WIRE ~ 12 AWG RED (126-16800-5000-22)	678"
13		WIRE ~ 12 AWG WHITE/BLACK (126-12800-5000-90)	1695"
14		WIRE ~ 16 AWG YELLOW (126-16800-5000-44)	5424"
15	98298	SPLIT LOOM ~ 1"	339"
16	35Z65	SPLIT LOOM ~ 3/4"	10"
17	95021	SPLIT LOOM ~ 1/4"	175"

31 PIN LAYOUT

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

23 PIN LAY-OUT

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

2 PIN LAYOUT (14)

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

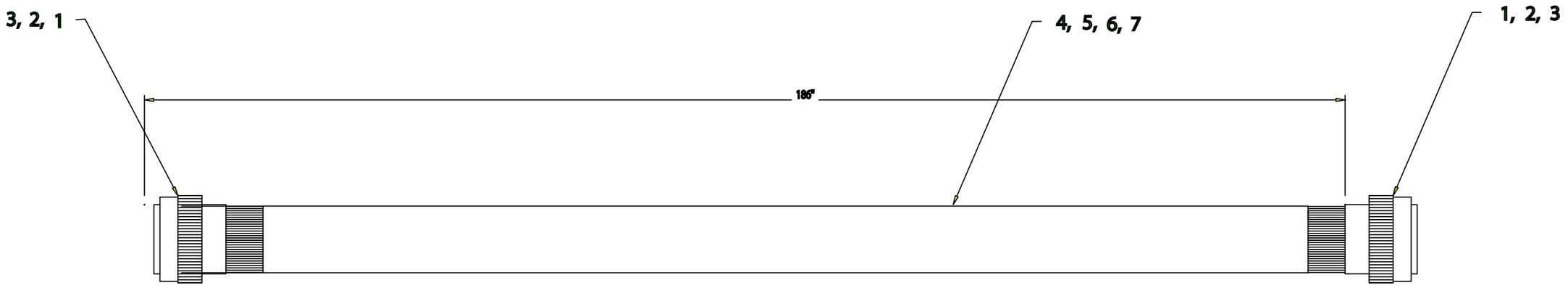
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HARNESS- C1 CONTROL BOX CROSSOVER
(214222-01)

23 PIN LAY-OUT DETAIL

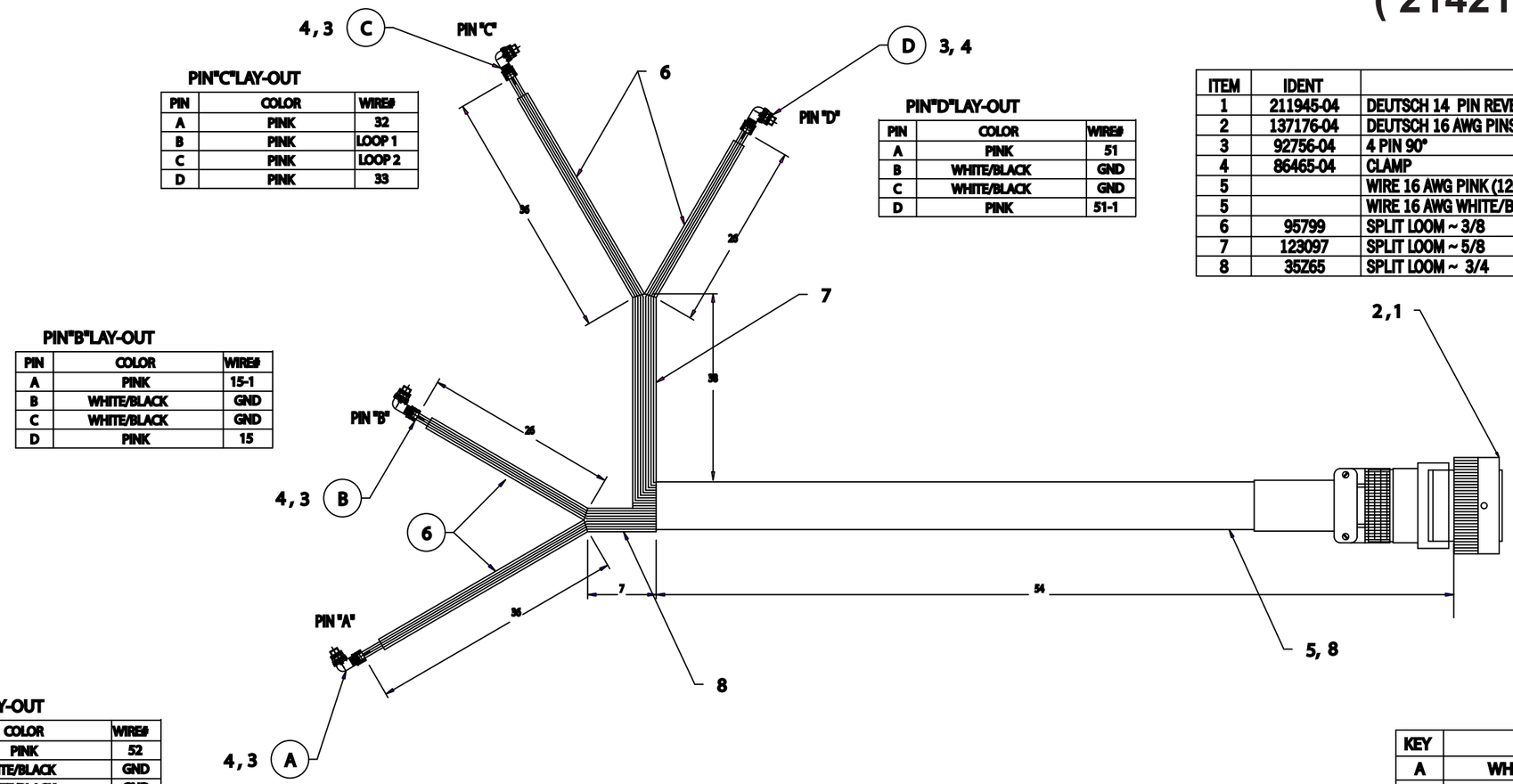
PIN	COLOR	WIRE #	FUNCTION
A	YELLOW	3	TRUCK HITCH IN
B	YELLOW	6	C1 DUMP HOPPER RAISE
C	RED	1	12 VOLT
D	YELLOW	67	C1 CLEAN OUT
E	YELLOW	68	C1 CLEAN OUT
F	YELLOW	8	C1 LIFT LOWER
G	WHITE/BLACK	GND	GROUND
H	YELLOW	80	12 VOLT
J	YELLOW	2	VIBRATOR
K	YELLOW	5	C1 DUMP HOPPER LOWER
L	RED	36	12 VOLT
M	YELLOW	4	TRUCK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

ITEM	IDENT	DESCRIPTION	QTY
1	211953-04	DEUTSCH 23 PIN PLUG W/CLAMP	2
2	133746-04	DEUTSCH 16-18 AWG SOCKET	38
3	133741-01	DEUTSCH SEALING PLUG	8
4		WIRE 16 AWG YELLOW (126-16800-5000-44)	2928
5		WIRE 16 AWG RED (126-16800-5000-22)	372"
6		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	186"
7	35Z65	SPLIT LOOM ~ 3/4"	186"



16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
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HARNESS- PUMP
(214212-01)



PIN"C"LAY-OUT

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

PIN"D"LAY-OUT

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

PIN"B"LAY-OUT

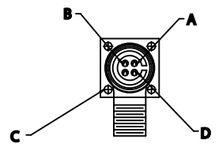
PIN	COLOR	WIRE#
A	PINK	15-1
B	WHITE/BLACK	GND
C	WHITE/BLACK	GND
D	PINK	15

PIN"A"LAY-OUT

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

ITEM	IDENT	DESCRIPTION	QTY
1	211945-04	DEUTSCH 14 PIN REVERSE PKUG W/CLAMP	1
2	137176-04	DEUTSCH 16 AWG PINS	14
3	92756-04	4 PIN 90°	4
4	86465-04	CLAMP	4
5		WIRE 16 AWG PINK (126-16800-5000-PK)	744"
5		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	488"
6	95799	SPLIT LOOM ~ 3/8	124"
7	123097	SPLIT LOOM ~ 5/8	64"
8	35Z65	SPLIT LOOM ~ 3/4	61"

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



90° AMPHENOL
NOTCH LOCATION
BETWEEN A & D
TYP 4 PLCS

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

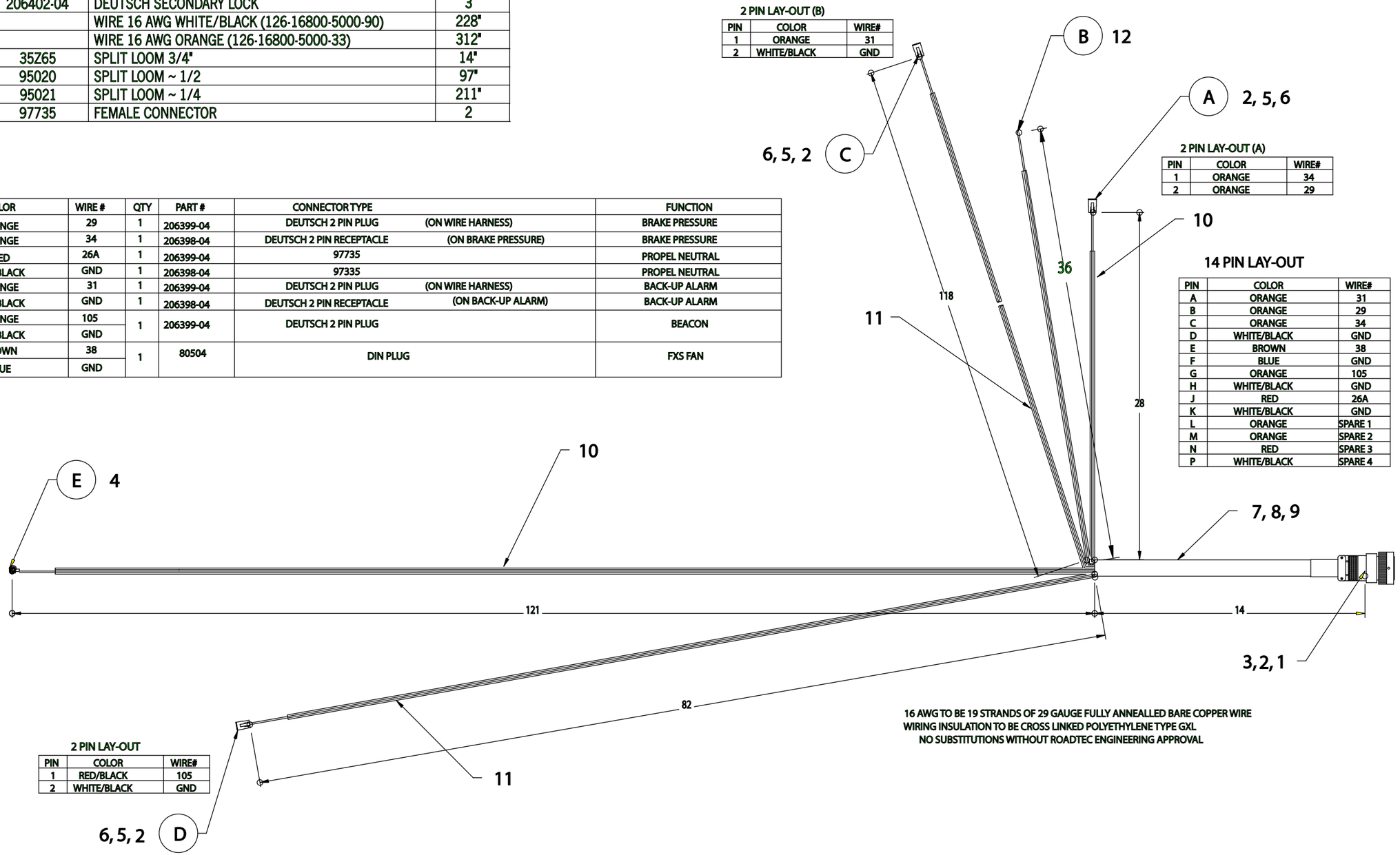
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

ROADTEC
an Astec Industries Company

HARNESS- FXS, BEACON, BACK-UP & BRAKE
(236429-02)

ITEM	IDENT	DESCRIPTION	QTY
1	211947-04	DEUTSCH 14 PIN METAL PLUG W/CLAMP	1
2	133746-04	DEUTSCH SOCKETS 16 AWG	16
3	133741-04	DEUTSCH SEALING PLUG 16 AWG	4
4	205424-04	DIN PLUG SINGLE-END CHORD 24V	1
5	206399-04	DEUTSCH 2 PIN PLUG	3
6	206402-04	DEUTSCH SECONDARY LOCK	3
7		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	228"
8		WIRE 16 AWG ORANGE (126-16800-5000-33)	312"
9	35Z65	SPLIT LOOM 3/4"	14"
10	95020	SPLIT LOOM ~ 1/2	97"
11	95021	SPLIT LOOM ~ 1/4	211"
12	97735	FEMALE CONNECTOR	2

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE		FUNCTION
A	ORANGE	29	1	206399-04	DEUTSCH 2 PIN PLUG	(ON WIRE HARNESS)	BRAKE PRESSURE
	ORANGE	34	1	206398-04	DEUTSCH 2 PIN RECEPTACLE	(ON BRAKE PRESSURE)	BRAKE PRESSURE
B	RED	26A	1	206399-04	97735		PROPEL NEUTRAL
	WHITE/BLACK	GND	1	206398-04	97335		PROPEL NEUTRAL
C	ORANGE	31	1	206399-04	DEUTSCH 2 PIN PLUG	(ON WIRE HARNESS)	BACK-UP ALARM
	WHITE/BLACK	GND	1	206398-04	DEUTSCH 2 PIN RECEPTACLE	(ON BACK-UP ALARM)	BACK-UP ALARM
D	ORANGE	105	1	206399-04	DEUTSCH 2 PIN PLUG		BEACON
	WHITE/BLACK	GND					
E	BROWN	38	1	80504	DIN PLUG		FXS FAN
	BLUE	GND					



16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
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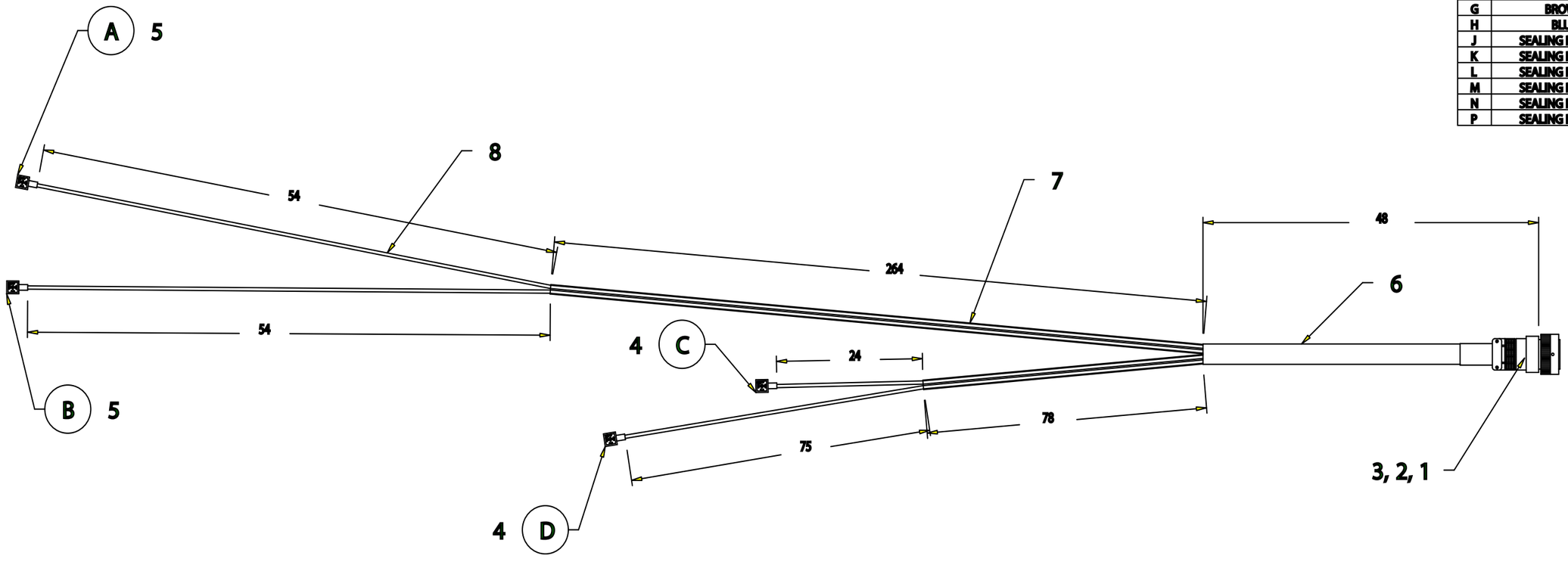
HARNESS- SPEED SHIFT
(236686-02)

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BLUE	35	1	208323-04	DIN PLUG	SPEED SHIFT RIGHT FRONT
	BROWN	GND				
B	BLUE	35	1	208323-04	DIN PLUG	SPEED SHIFT LEFT FRONT
	BROWN	GND				
C	BLUE	35	1	205424-04	DIN PLUG	SPEED SHIFT RIGHT REAR
	BROWN	GND				
D	BLUE	35	1	205424-04	DIN PLUG	SPEED SHIFT LEFT REAR
	BROWN	GND				

	ITEM	IDENT	DESCRIPTION	QTY
	1	211947-04	DEUTSCH 14 PIN METAL PLUG W/CLAMP	1
	2	133746-04	DEUTSCH SOCKETS 16 AWG	8
	3	133741-04	DEUTSCH SEALING PLUG 16 AWG	6
	4	205424-04	DIN PLUG SINGLE-END CHORD 24V	2
	5	208323-04	DIN PLUG SINGLE-END CHORD 24V	2
	6	35Z65	SPLIT LOOM 3/4"	42"
	7	95020	SPLIT LOOM ~ 1/2"	342"
	8	95021	SPLIT LOOM ~ 1/4"	207"

14 PIN LAY-OUT

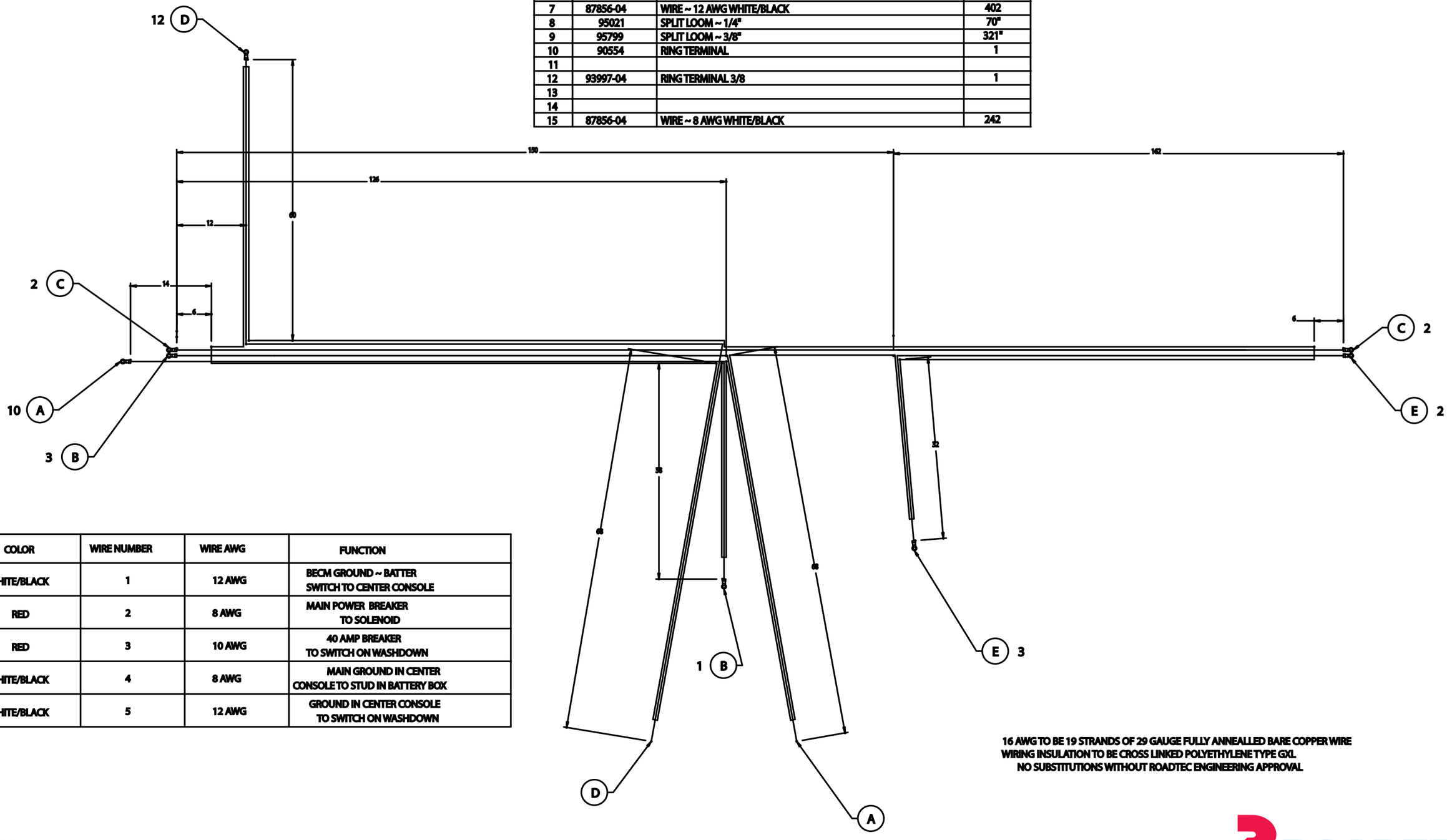
PIN	COLOR	WIRE#
A	BROWN	35
B	BLUE	GND
C	BROWN	35
D	BLUE	GND
E	BROWN	35
F	BLUE	GND
G	BROWN	35
H	BLUE	GND
J	SEALING PLUG	
K	SEALING PLUG	
L	SEALING PLUG	
M	SEALING PLUG	
N	SEALING PLUG	
P	SEALING PLUG	



ROADTEC
an Astec Industries Company

HARNESS- MAIN BREAKER & WASHDOWN
(203487-01)

ITEM	IDENT	DESCRIPTION	QTY
1	128219	TERMINAL 5/16" RING	1
2	90554	RING TERMINAL #10	3
3	90553	RING TERMINAL 1/4"	2
4			
5	95019	WIRE ~ 10 AWG RED	312"
6	95018	WIRE ~ 8 AWG RED	164"
7	87856-04	WIRE ~ 12 AWG WHITE/BLACK	402
8	95021	SPLIT LOOM ~ 1/4"	70"
9	95799	SPLIT LOOM ~ 3/8"	321"
10	90554	RING TERMINAL	1
11			
12	93997-04	RING TERMINAL 3/8	1
13			
14			
15	87856-04	WIRE ~ 8 AWG WHITE/BLACK	242



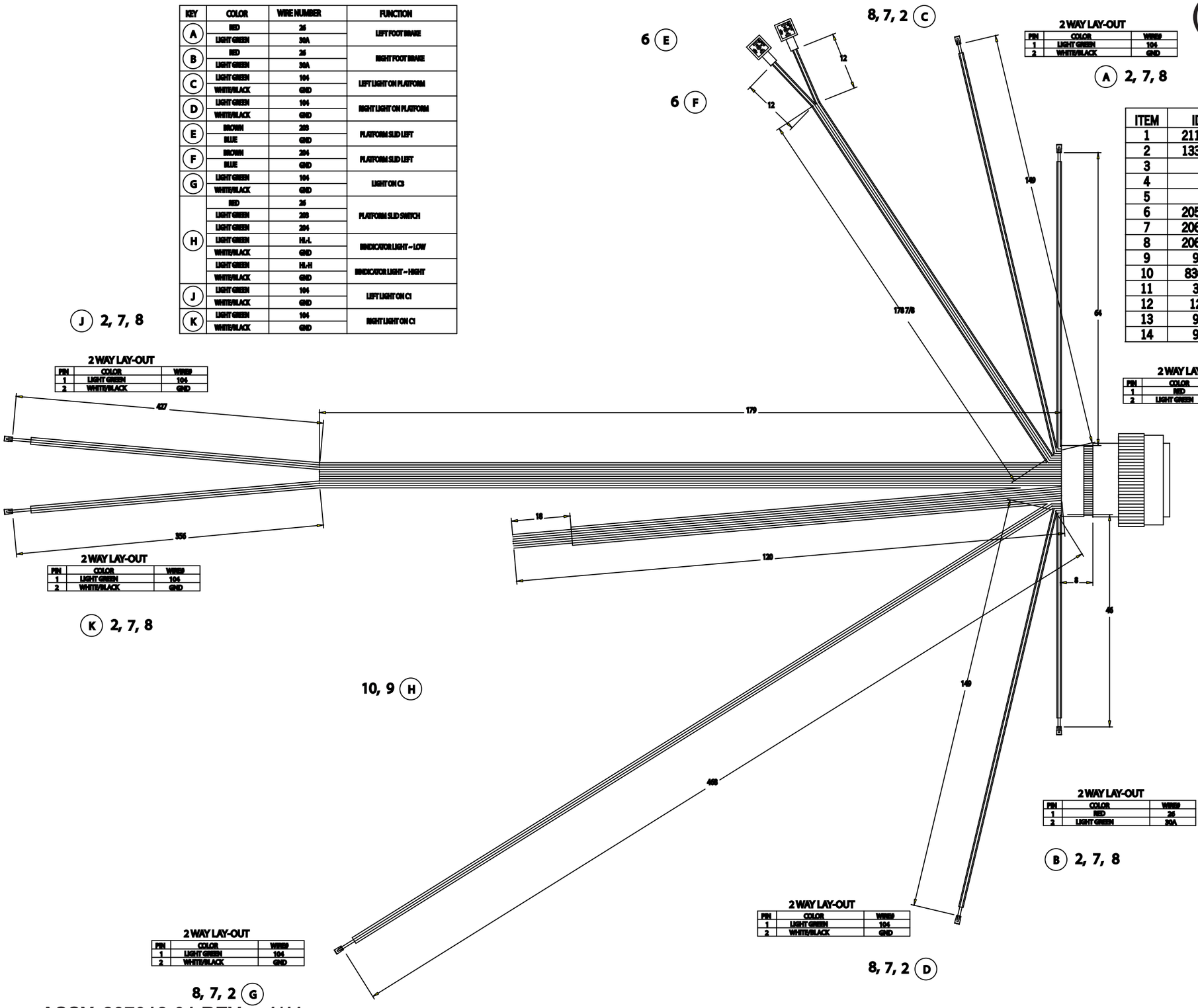
KEY	COLOR	WIRE NUMBER	WIRE AWG	FUNCTION
A	WHITE/BLACK	1	12 AWG	BECM GROUND ~ BATTER SWITCH TO CENTER CONSOLE
B	RED	2	8 AWG	MAIN POWER BREAKER TO SOLENOID
C	RED	3	10 AWG	40 AMP BREAKER TO SWITCH ON WASHDOWN
D	WHITE/BLACK	4	8 AWG	MAIN GROUND IN CENTER CONSOLE TO STUD IN BATTERY BOX
E	WHITE/BLACK	5	12 AWG	GROUND IN CENTER CONSOLE TO SWITCH ON WASHDOWN

16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
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NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

ROADTEC
an Astec Industries Company

HARNESS- LIGHT, SLIDE PLATFORM & INDICATOR
(237012-01)

KEY	COLOR	WIRE NUMBER	FUNCTION
A	RED	26	LEFT FOOT BRAKE
	LIGHT GREEN	30A	
B	RED	26	RIGHT FOOT BRAKE
	LIGHT GREEN	30A	
C	LIGHT GREEN	104	LEFT LIGHT ON PLATFORM
	WHITE/BLACK	GND	
D	LIGHT GREEN	104	RIGHT LIGHT ON PLATFORM
	WHITE/BLACK	GND	
E	BROWN	203	PLATFORM SLID LEFT
	BLUE	GND	
F	BROWN	204	PLATFORM SLID LEFT
	BLUE	GND	
G	LIGHT GREEN	104	LIGHT ON C3
	WHITE/BLACK	GND	
H	RED	26	PLATFORM SLID SWITCH
	LIGHT GREEN	203	
	LIGHT GREEN	204	
	LIGHT GREEN	HI-L	BENDICATOR LIGHT - LOW
	WHITE/BLACK	GND	
	LIGHT GREEN	HI-H	BENDICATOR LIGHT - HIGHT
	WHITE/BLACK	GND	
J	LIGHT GREEN	104	LEFT LIGHT ON C1
	WHITE/BLACK	GND	
K	LIGHT GREEN	104	RIGHT LIGHT ON C1
	WHITE/BLACK	GND	



ITEM	IDENT	DESCRIPTION	QTY
1	211957-04	DEUTSCH 31 WAY PLUG METAL RECEPTACLE	1
2	133746-04	DEUTSCH SOCKETS 16 AWG	45
3		WIRE ~ 16 AWG LIGHT GREEN (126-16800-5000-55L)	2846
4		WIRE ~ 16 AWG RED (126-16800-5000-22)	254
5		WIRE ~ 16 AWG WHITE/BLACK ((126-16800-5000-90)	1947
6	205424-04	DIN PLUG ~ 24 VOLTS SINGLE-END CORDSE	2
7	206399-04	DEUTSCH 2 WAY PLUG	7
8	206402-04	DEUTSCH 2 LOCKING WEDGE	7
9	93256	RING TERMINAL #10	3
10	83649-04	FEMALE CONNECTOR	4
11	35Z65	SPLIT LOOM ~ 3/4"	179
12	123097	SPLIT LOOM ~ 5/8"	120
13	95799	SPLIT LOOM ~ 3/8"	179
14	95021	SPLIT LOOM ~ 1/4"	1683

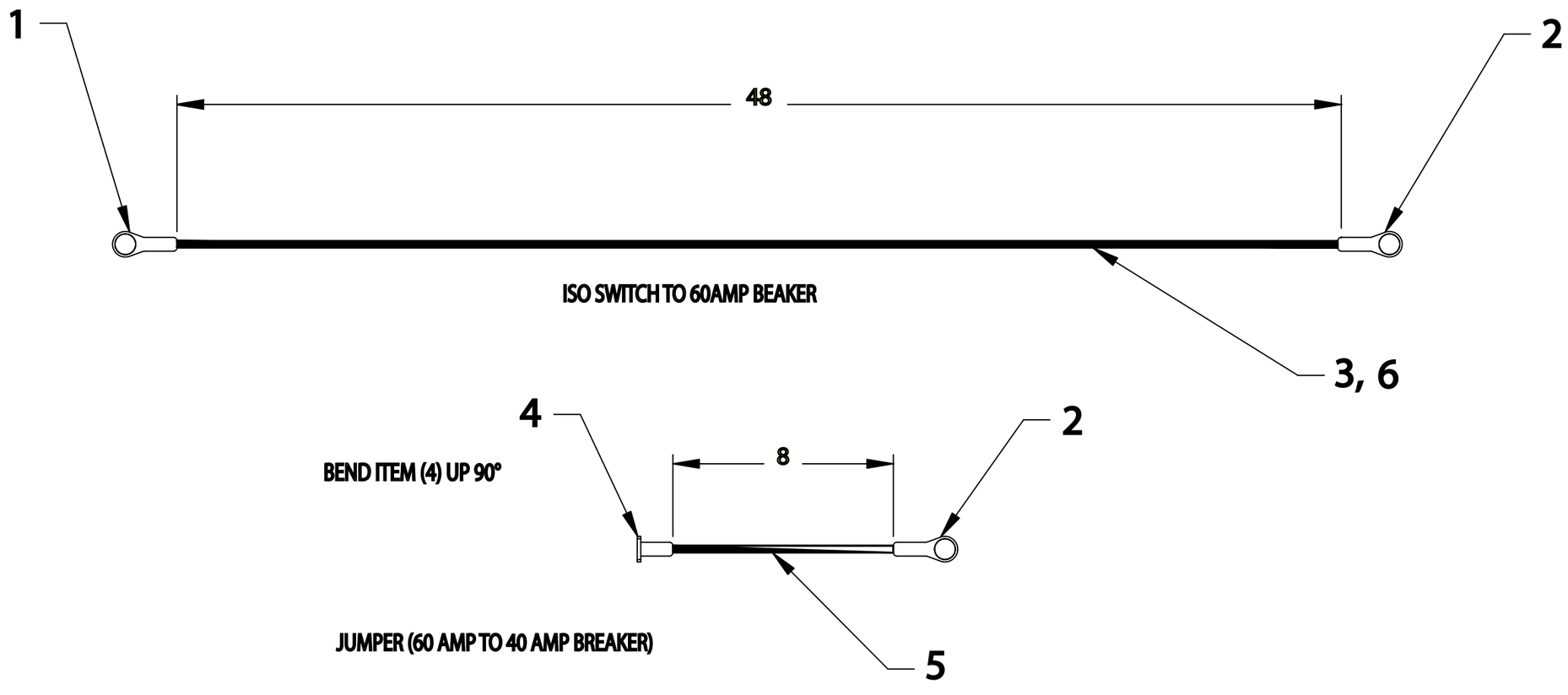
31 WAY LAY-OUT

PIN	COLOR	WIRE#	FUNCTION
1	LIGHT GREEN	104	LIGHT
2	WHITE/BLACK	GND	
3	LIGHT GREEN	104	LIGHT
4	WHITE/BLACK	GND	
5	LIGHT GREEN	104	LIGHT
6	WHITE/BLACK	GND	
7	LIGHT GREEN	104	LIGHT
8	WHITE/BLACK	GND	
9	LIGHT GREEN	104	LIGHT
10	WHITE/BLACK	GND	
11	LIGHT GREEN	203	PLATFORM LEFT
12	WHITE/BLACK	GND	
13	LIGHT GREEN	204	PLATFORM RIGHT
14	WHITE/BLACK	GND	
15	RED	26	PLATFORM SLID SWITCH
16	LIGHT GREEN	203	
17	LIGHT GREEN	204	
18	LIGHT GREEN	HI-L	BENDICATOR LOW
19	WHITE/BLACK	GND	
20	LIGHT GREEN	HI-H	BENDICATOR HIGH
21	WHITE/BLACK	GND	
22	LIGHT GREEN	30A	FOOT BRAKE SWITCH
23	RED	26	
24	LIGHT GREEN	30A	FOOT BRAKE SWITCH
25	RED	26	
26	LIGHT GREEN	SPARE 1	
27	LIGHT GREEN	SPARE 2	
28	LIGHT GREEN	SPARE 3	
29	LIGHT GREEN	SPARE 4	
30	LIGHT GREEN	SPARE 5	
31	LIGHT GREEN	SPARE 6	

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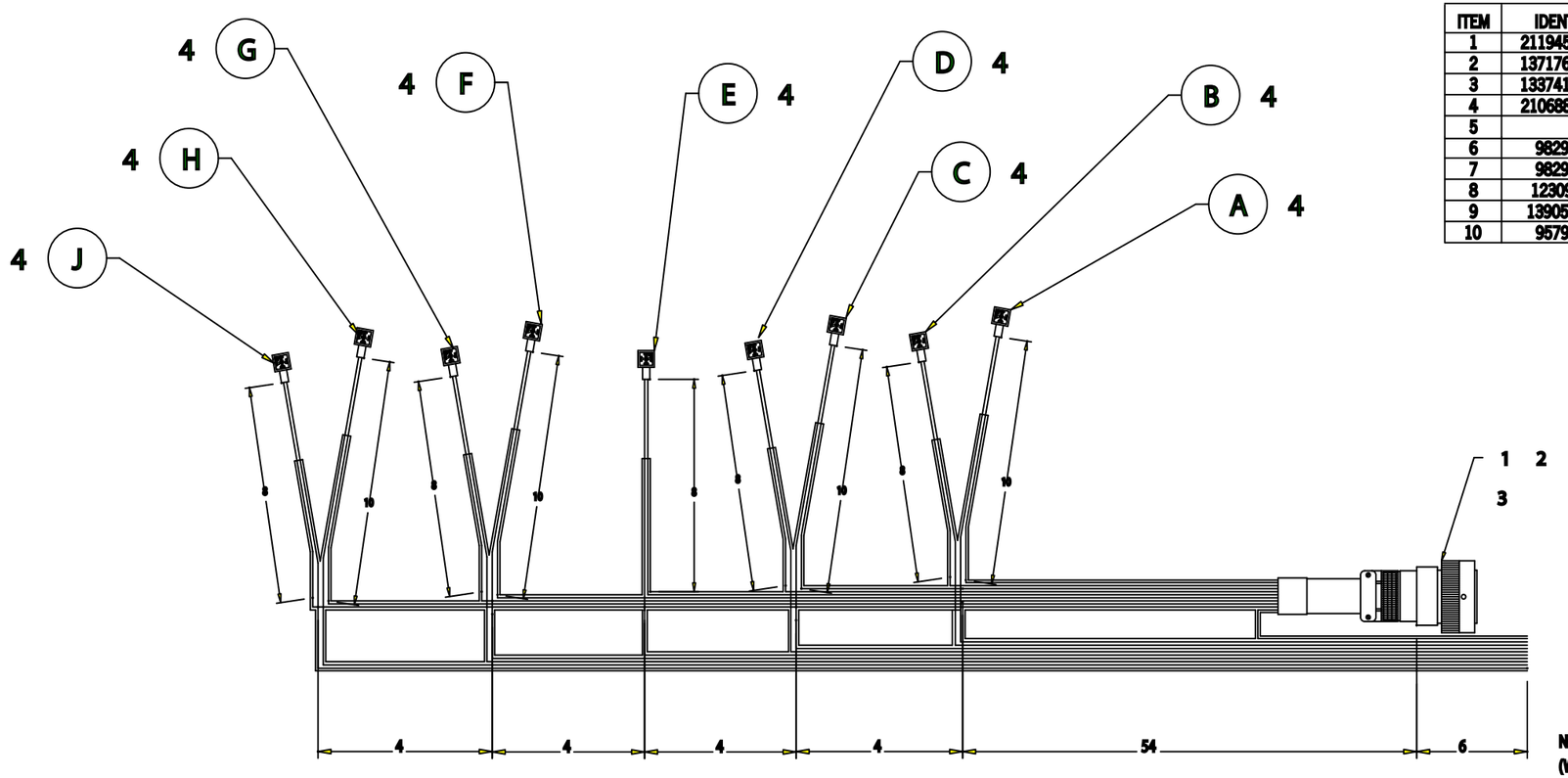
HARNESS- VALVE STACK
(215513-02)

	ITEM	IDENT	DESCRIPTION	QTY
	1	93987-04	TERMINAL RING ~ 3/8	1
	2	128218	WIRE TERMINAL 1/4 RING	2
	3		WIRE 8 AWG RED	48
	4	90554	RING TERMINAL #10	1
	5		WIRE 10 AWG RED	8"
	6	95021	SPLIT LOOM ~ 1/4"	12"



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

HARNESS- C1 VALVE STACK DIN PLUG
(236688-02)



ITEM	IDENT	DESCRIPTION	QTY
1	211945-04	DEUTSCH 14 PIN REVERSE PLUG W/CLAMP	1
2	137176-04	DEUTSCH 16 AWG PIN	10
3	133741-04	DEUTSCH SEALING PLUG	4
4	210688-04	DIN PLUG ~ SINGLE ENDED CORDSET 24V	9
5		WIRE 16 AWG WHITE/BLACK (126-16800-5000-90)	6'
6	98298	SPLIT LOOM ~ 1"	54
7	98298	SPLIT LOOM ~ 3/4"	6'
8	123097	SPLIT LOOM ~ 5/8"	6'
9	1390502	SPLIT LOOM ~ 1/2"	9'
10	95799	SPLIT LOOM ~ 3/8"	88'

14 PIN LAY-OUT DETAIL

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

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

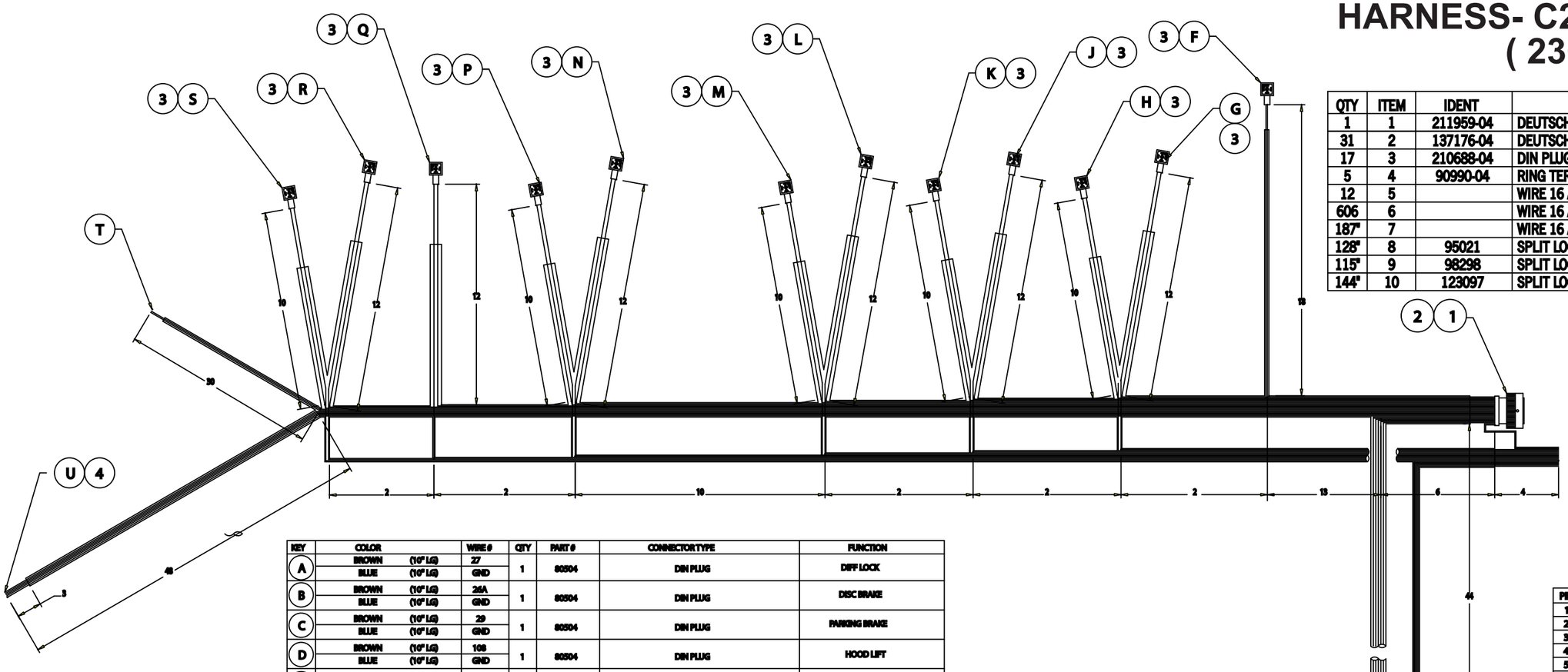
KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BROWN	6	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	DUMP HOOPER
	BLUE	GND	1			
B	BROWN	5	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	DUMP HOOPER
	BLUE	GND	1			
C	BROWN	3	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	TRUCK HITCH
	BLUE	GND	1			
D	BROWN	4	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	TRUCK HITCH
	BLUE	GND	1			
E	BROWN	2	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	VIBRATOR
	BLUE	GND	1			
F	BROWN	69	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	BAFFLE
	BLUE	GND	1			
G	BROWN	70	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	BAFFLE
	BLUE	GND	1			
H	BROWN	67	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	CLEAN OUT
	BLUE	GND	1			
J	BROWN	68	1	210688-04	DIN PLUG SINGLE ENDED CORDSET	CLEAN OUT
	BLUE	GND	1			

NOTE: ALL BLUE GROUND WIRES
ARE 6" LONGER THAN THAN DIN PLUG BROWN WIRE & CONNECT TO GROUND STUD ON DEUTSCH
14 PIN PLUG BRACKET

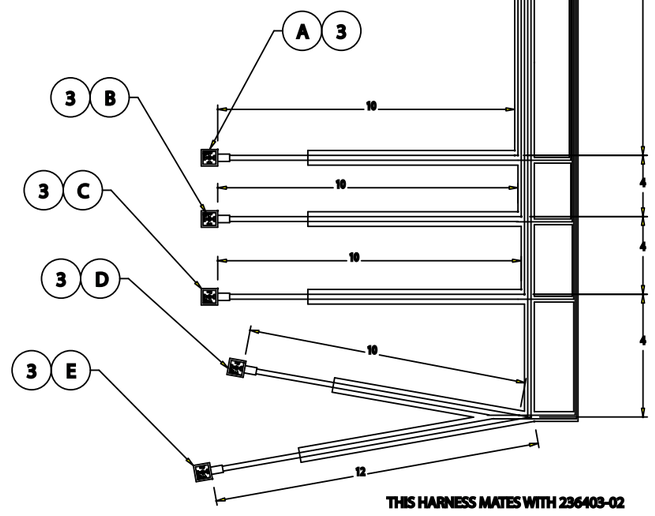
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

HARNESS- C2 VALVE STACK
(236404-01)

QTY	ITEM	IDENT	DESCRIPTION	
1	1	211959-04	DEUTSCH 31 PIN REVERSING PLUG	
31	2	137176-04	DEUTSCH 16 AWG PINS	
17	3	210688-04	DIN PLUG SINGLE-CORD SET 24V	
5	4	90990-04	RING TERMINAL 16 AWG	
12	5		WIRE 16 AWG WHITE/BLACL (126-16800-5000-90)	
606	6		WIRE 16 AWG LIGHT GREEN (126-16800-5000-55L)	
187"	7		WIRE 16 AWG RED (126-16800-5000-22)	
128"	8	95021	SPLIT LOOM ~ 1/4"	
115"	9	98298	SPLIT LOOM ~ 1"	
144"	10	123097	SPLIT LOOM ~ 5/8"	



KEY	COLOR		WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BROWN	(10" LG)	27	1	80504	DIN PLUG	DIFF LOCK
	BLUE	(10" LG)	GND				
B	BROWN	(10" LG)	26A	1	80504	DIN PLUG	DISC BRAKE
	BLUE	(10" LG)	GND				
C	BROWN	(10" LG)	29	1	80504	DIN PLUG	PARKING BRAKE
	BLUE	(10" LG)	GND				
D	BROWN	(10" LG)	108	1	80504	DIN PLUG	HOOD LIFT
	BLUE	(10" LG)	GND				
E	BROWN	(10" LG)	110	1	80504	DIN PLUG	HOOD LIFT
	BLUE	(10" LG)	GND				
F	BROWN	(10" LG)	47	1	80504	DIN PLUG	AUX PRESSINE DUMP VALVE
	BLUE	(10" LG)	GND				
G	BROWN	(10" LG)	89	1	80504	DIN PLUG	VALVE
	BLUE	(10" LG)	GND				
H	BROWN	(12" LG)	88	1	80504	DIN PLUG	VALVE
	BLUE	(12" LG)	GND				
J	BROWN	(10" LG)	21	1	80504	DIN PLUG	LIFT & SWING
	BLUE	(10" LG)	GND				
K	BROWN	(12" LG)	20	1	80504	DIN PLUG	LIFT & SWING
	BLUE	(12" LG)	GND				
L	BROWN	(10" LG)	23	1	80504	DIN PLUG	LIFT & SWING
	BLUE	(10" LG)	GND				
M	BROWN	(12" LG)	22	1	80504	DIN PLUG	LIFT & SWING
	BLUE	(12" LG)	GND				
N	BROWN	(10" LG)	17	1	80504	DIN PLUG	FLOW GATE
	BLUE	(10" LG)	GND				
P	BROWN	(12" LG)	16	1	80504	DIN PLUG	FLOW GATE
	BLUE	(12" LG)	GND				
Q	BROWN		18	1	80504	DIN PLUG	GENERATOR VALVE
	BLUE		GND				
R	BROWN	(10" LG)	14	1	80504	DIN PLUG	FLOW GATE
	BLUE	(10" LG)	GND				
S	BROWN	(12" LG)	13	1	80504	DIN PLUG	FLOW GATE
	BLUE	(12" LG)	GND				
T	LIGHT GREEN		SPARE 1				
	LIGHT GREEN		SPARE 2				
	LIGHT GREEN		SPARE 3				
	LIGHT GREEN		SPARE 4				
	LIGHT GREEN		SPARE 5				
U	RED		1	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	RED		24	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN		88	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN		89	1	90990-04	RING TERMINAL 16 GAU	SWITCH
	LIGHT GREEN		107	1	90990-04	RING TERMINAL 16 GAU	SWITCH



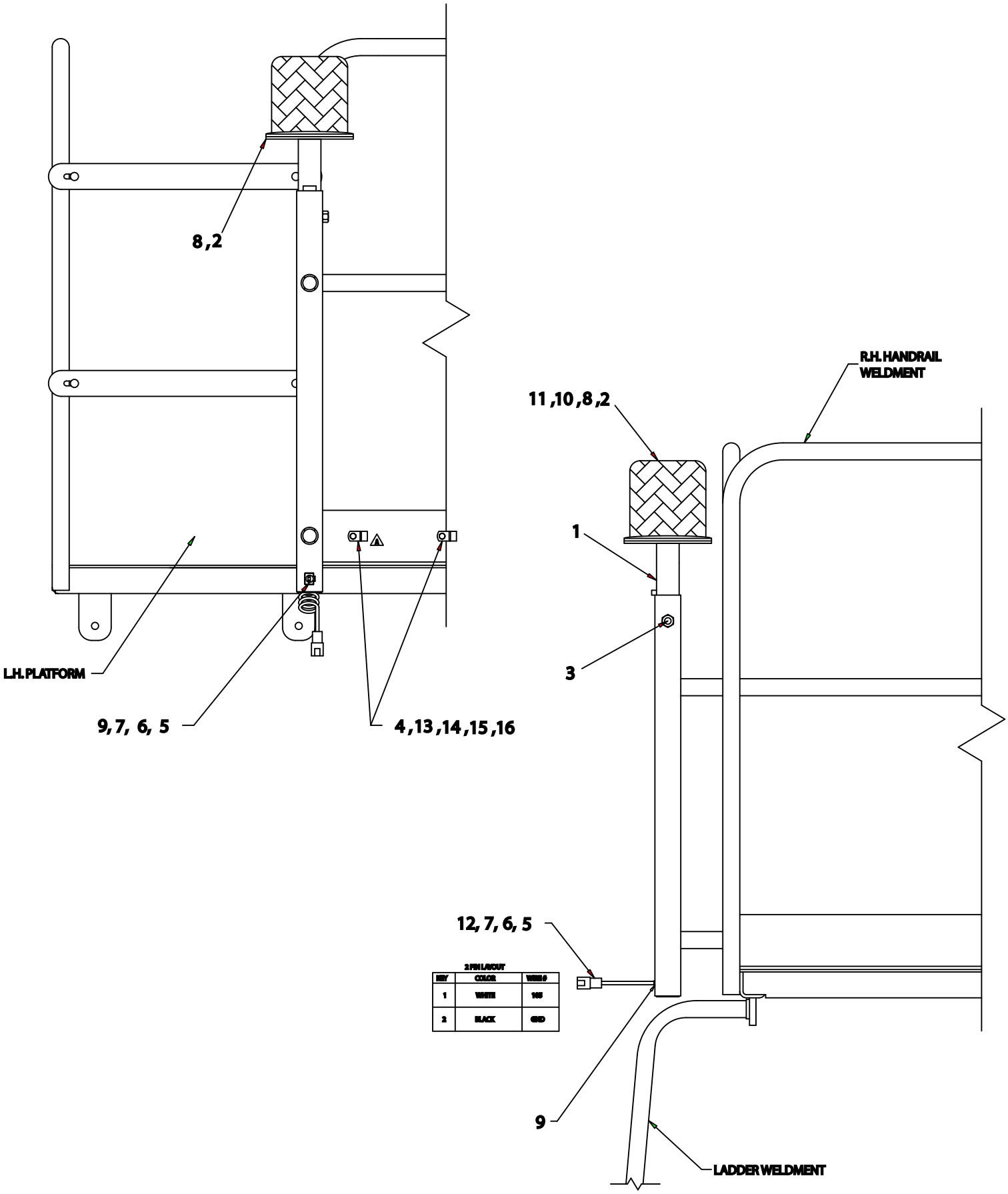
THIS HARNESS MATES WITH 236403-02

31 PIN LAYOUT

PIN	COLOR	WIRE #
1	BROWN	20
2	BROWN	14
3	LIGHT GREEN	88
4	BROWN	27
5	RED	1
6	BROWN	29
7	BROWN	22
8	BROWN	16
9	BROWN	23
10	BROWN	13
11	BROWN	89
12	BROWN	21
13	LIGHT GREEN	SPARE 1
14	BROWN	88
15	LIGHT GREEN	89
16	BROWN	18
17	BROWN	26A
18	BROWN	17
19	BROWN	108
20	LIGHT GREEN	SPARE 2
21	LIGHT GREEN	107
22	WHITE/BLACK	GND
23	RED	24
24	LIGHT GREEN	SPARE 3
25	BROWN	110
26	WHITE/BLACK	GND
27	BROWN	47
28	WHITE/BLACK	GND
29	LIGHT GREEN	SPARE 4
30	LIGHT GREEN	SPARE 5
31	LIGHT GREEN	SPARE 6

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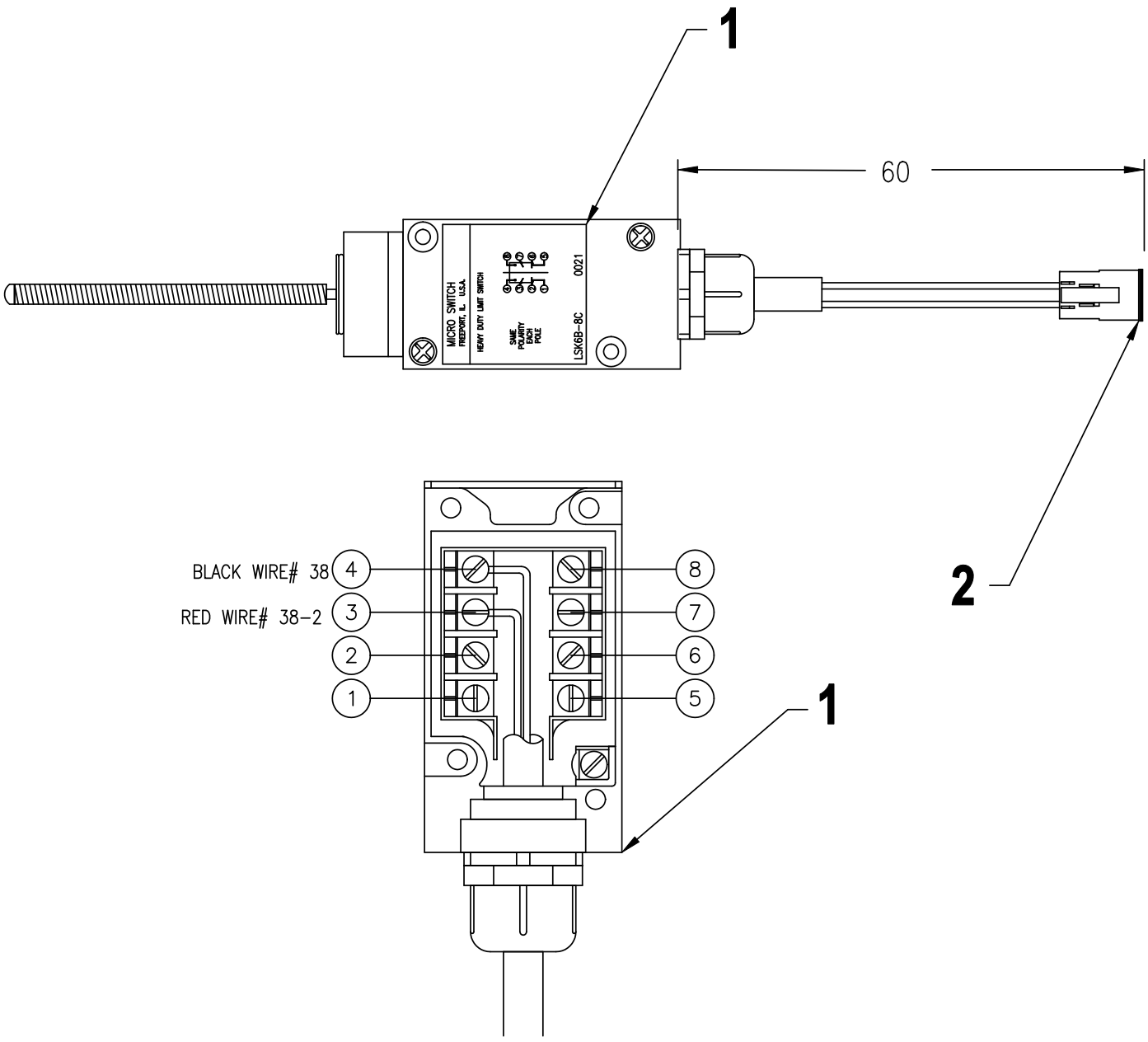
STROBE LIGHT ASSEMBLY
(214370-01)



STROBE LIGHT ASSEMBLY
(214370-01)

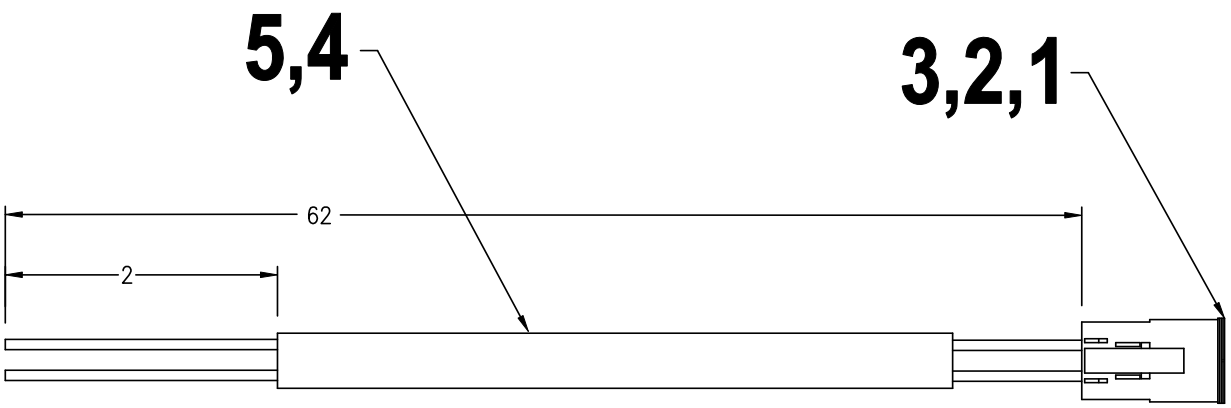
ITEM #	PART NO.	DESCRIPTION	QTY.
1	209506-01	STROBE MOUNTING WLDMT.	1
2	204123-04	LIGHT - 80/MIN 12V STROBE	1
3	135982-04	WING BOLT - 1/2-13	1
4	20K33	CLAMP - 3/8" DIA X 1/2" WTH X 1/4"	2
5	206398-04	DEUTSCH 2 PIN RECEPTACLE	1
6	137176-04	DEUTSCH 16 AWG PINS	2
7	206401-04	DEUTSCH SECONDARY LOCK	1
8	98237-04	CABLE - RETRACTABLE CORD	1/2
9	87318-04	RUBBER - 1/2" GROMMET	1
10	38Z57	MALE CONNECTOR	2
11	97735	FEMALE CONNECTOR	2
12	95021	SPLIT LOOM - 1/4"	6"
13	89988-04	HEX BOLT - 1/4-20 X 3/4" LG	2
14	84444	FLAT WASHER - 1/4" STEEL	2
15	83065	LOCK WASHER - 1/4"	2
16	89772	HEX NUT - 1/4-20	2
17			
18			
19			
20			

LIMIT SWITCH W/ WOBBLE LEVER
(214563-03)



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

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



SLUG WIRE ENDS

2 PIN LAYOUT

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

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

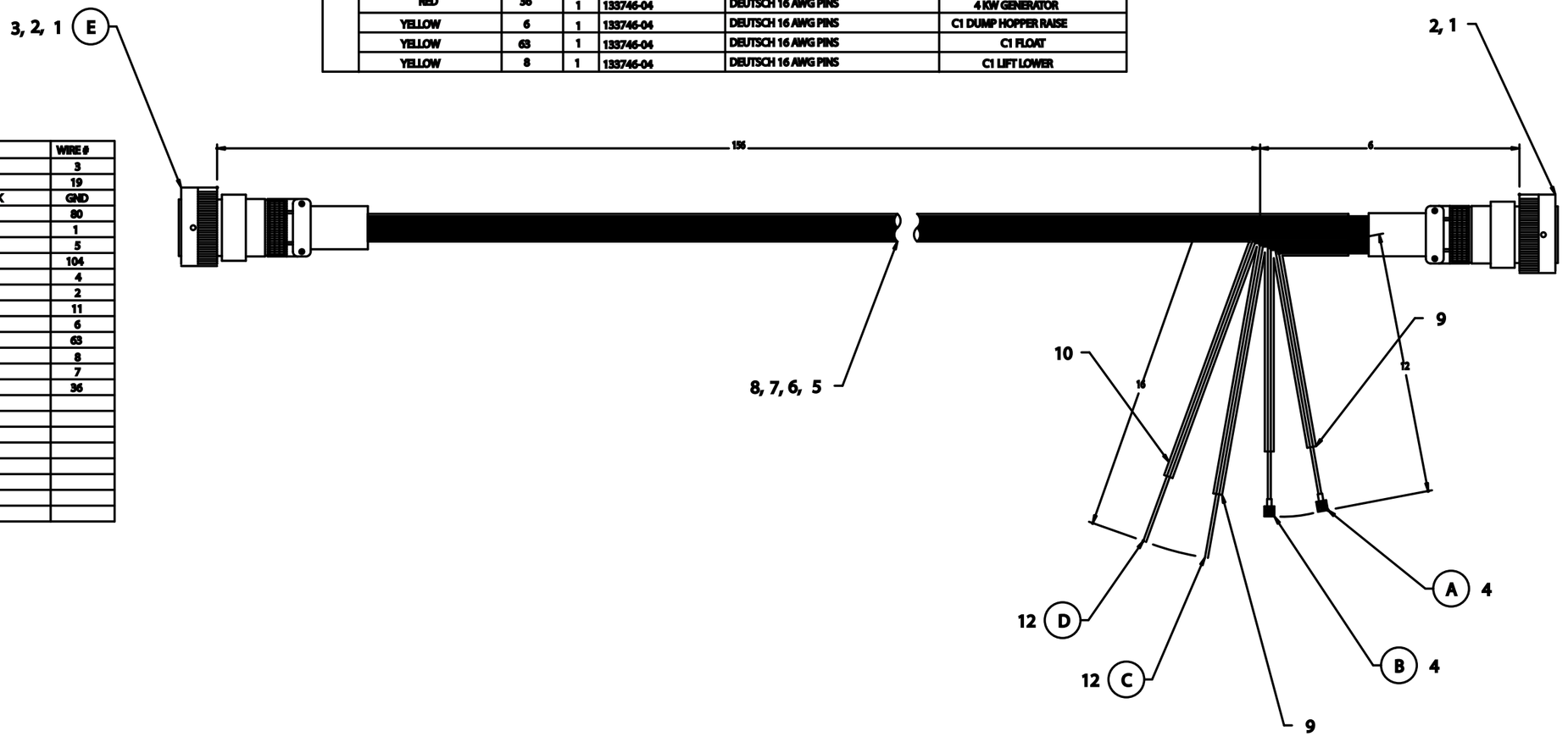
HARNESS- LIMIT SWITCH CLEAN-OUT
(214540-03)

QTY	ITEM	IDENT	DESCRIPTION	
2	1	211955-04	PLUG ~ 23 PIN DEUTSCH REVERSE PLUG W/CLAMP	
38	5	137176-04	DEUTSCH 16 AWG PINS	
8	3	133741-04	SEAL PLUGS	
2	4	236689-01	DIN PLUG SINGLE-ENDED CORDSET 24V	
672"	5		WIRE ~ 12 AWG RED (126-16800-5000-22)	
336"	6		WIRE ~ 12 AWG WHITE/BLACK (126-12800-5000-90)	
5684"	7		WIRE ~ 16 AWG YELLOW (126-16800-5000-44)	
324"	8	98298	SPLIT LOOM ~ 1"	
10"	9	35265	SPLIT LOOM ~ 3/4"	
90"	10	65799	SPLIT LOOM ~ 3/8"	
211"	11	95021	SPLIT LOOM ~ 1/4"	
4	12	97735	FEMALE INSULATED CONNECTOR	

KEY	COLOR	WIRE #	QTY	PART #	CONNECTOR TYPE	FUNCTION
A	BROWN	7	1	210688-04	DIN PLUG	C1 LIFT RAISE
	BLUE	GND				
B	BROWN	8	1	210688-04	DIN PLUG	C1 LIFT LOWER
	BLUE	GND				
C	YELLOW	63	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT
	WHITE/BLACK	GND	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT
D	YELLOW	63	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT ASSIST
	WHITE/BLACK	GND	1	97735	FEMALE INSL.SPADE TERMINAL	C1 FLOAT ASSIST
E	YELLOW	3	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH IN
	YELLOW	19	1	133746-04	DEUTSCH 16 AWG PINS	HORN
	WHITE/BLACK	GND	1	133746-04	DEUTSCH 16 AWG PINS	GROUND
	YELLOW	80	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	RED	1	1	133746-04	DEUTSCH 16 AWG PINS	12 VOLTS
	YELLOW	5	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER LOWER
	YELLOW	104	1	133746-04	DEUTSCH 16 AWG PINS	LIGHTS
	YELLOW	4	1	133746-04	DEUTSCH 16 AWG PINS	TRUCK HITCH OUT
	YELLOW	2	1	133746-04	DEUTSCH 16 AWG PINS	VIBRATOR
	YELLOW	7	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT RAISE
	YELLOW	11	1	133746-04	DEUTSCH 16 AWG PINS	E-STOP
	RED	36	1	133746-04	DEUTSCH 16 AWG PINS	4 KW GENERATOR
	YELLOW	6	1	133746-04	DEUTSCH 16 AWG PINS	C1 DUMP HOPPER RAISE
	YELLOW	63	1	133746-04	DEUTSCH 16 AWG PINS	C1 FLOAT
	YELLOW	8	1	133746-04	DEUTSCH 16 AWG PINS	C1 LIFT LOWER

23 PIN LAY-OUT

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



23 PIN LAY-OUT

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

16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
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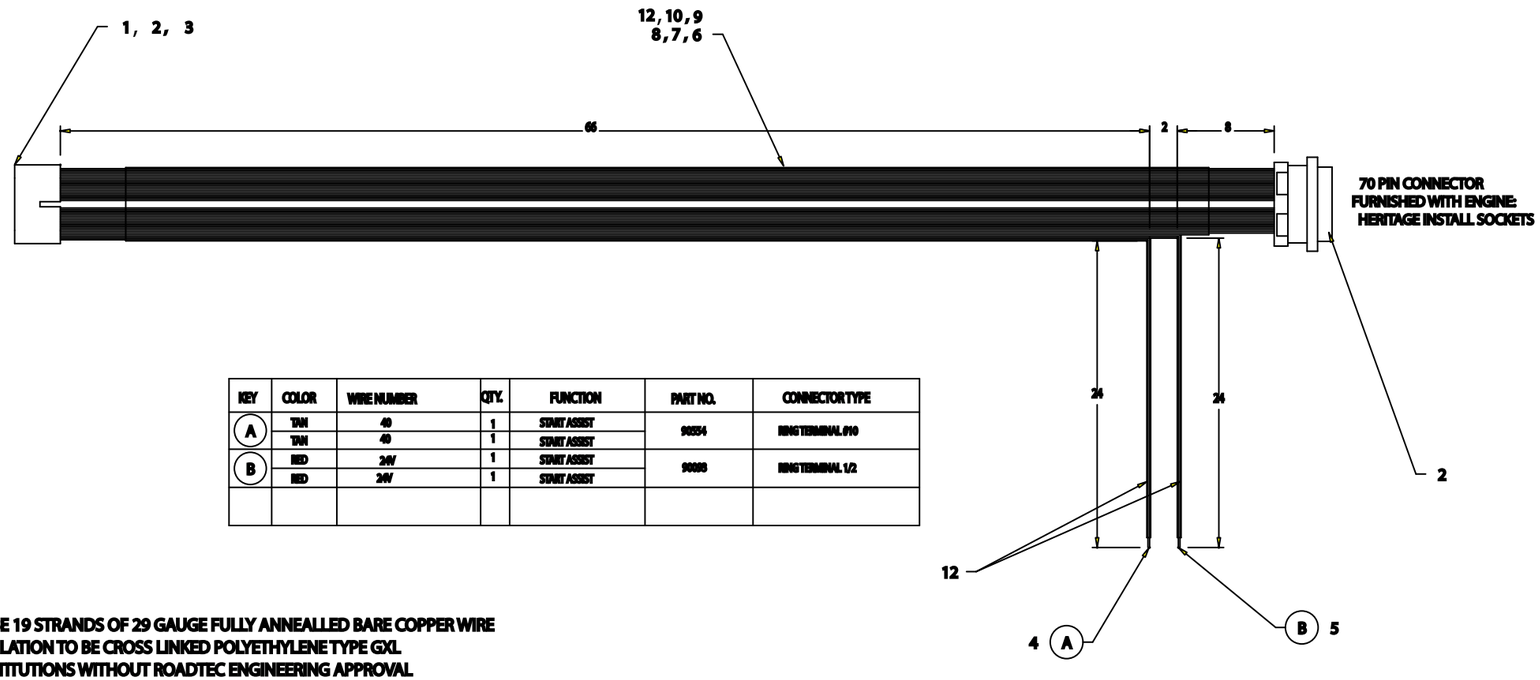
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HARNESS- ENGINE
(236791-01)

ITEM	IDENT	DESCRIPTION	QTY
1	137083-04	DEUTSCH 40 WAY PLUG	1
2	133746-04	DEUTSCH 16 AWG SOCKET	38
3	133741-04	DEUTSCH SEALING PLUG	2
4	90554	RING TERMINAL # 10	2
5	90093	RING TERMINAL 1/2	2
6		18 AWG RED WIRE (126-18800-5000-22)	76
7		14 AWG RED WIRE (126-14800-5000-22)	304
8		16 AWG RED WIRE (126-16800-5000-22)	180
9		18 AWG TAN WIRE (126-18800-5000-11L)	1152"
10		16 AWG TAN WIRE (126-16800-5000-11L)	304
11		14 AWG WHITE/BLACK WIRE (126-14800-5000-90)	304
12	95021	SPLIT LOOM 1/4"	68"
12	98298	SPLIT LOOM 1"	92"

70 PIN CAT ENGINE CONNECTOR

	PIN	WIRE COLOR	WIRE #	WIRE SIZE	FUNCTION	BOXES
	1				SEALING PLUG	
	2	GRAY	AN SENSOR +			
	3	GRAY	AN SENSOR -			
	4				SEALING PLUG	
	5				SEALING PLUG	
	6				SEALING PLUG	
	7	GRAY	I-REGEN	18 AWG		
2 COND 18 AWG	8	YELLOW	CDL+	18 AWG	DATA LINK +	9 PIN DEUTSCH PIN D
2 COND 18 AWG	9	GREEN	CDL-	18AWG	DATA LINK -	9 PIN DEUTSCH PIN E
	10				SEALING PLUG	
	11				SEALING PLUG	
	12				SEALING PLUG	
	13	GRAY	D-REGEN	18 AWG		
	14	GRAY	PRIME	18 AWG		
	15				SEALING PLUG	
	16				SEALING PLUG	
	17	GRAY	AIR INLET		SEALING PLUG	
	18	GRAY	DIG SENSOR -			
	19				SEALING PLUG	
	20				SEALING PLUG	
	21				SEALING PLUG	
	22				SEALING PLUG	
	23	GRAY	F-REGEN	18 AWG		
	24				SEALING PLUG	
	25				SEALING PLUG	
	26				SEALING PLUG	
	27				SEALING PLUG	
	28	GRAY	W-LAMP	18 AWG		
	29	GRAY	S-LAMP	18 AWG		
	30	GRAY	DPF-LAMP	18 AWG		
	31	GRAY	HEST LMAP	18 AWG		
	32				SEALING PLUG	
	33				SEALING PLUG	
3 COND 18 AWG	34	GREEN WITH RED STRIPE	J1939-	18 AWG	GAUGE DATA -	TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D
	35				SEALING PLUG	
	36				SEALING PLUG	
	37				SEALING PLUG	
	38				SEALING PLUG	
	39				SEALING PLUG	
	40				SEALING PLUG	
	41				SEALING PLUG	
3 COND 18 AWG	42	GRAY	J1939-SH	18 AWG	GAUGE SHIELD	TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D
	43	GRAY	FAN PWM	18 AWG	FAN	
	44	GRAY	44	18 AWG	12VOLTS	CAT ENGINE
	45				SEALING PLUG	
	46	WHITE/BLACK	LSR	18 AWG		
	47	WHITE/BLACK	HSR	18 AWG		
	48	RED	BECM	14 AWG	+BATTERY UNSWITCHED	CAT ENGINE
	49				SEALING PLUG	
3 COND 18 AWG	50	YELLOW WITH RED STRIPE	J1939+	18 AWG	GAUGE DATA+	TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D
	51				SEALING PLUG	
	52	RED	BECM	14 AWG	+BATTERY UNSWITCHED	CAT ENGINE
	53	RED	BECM	14 AWG	+BATTERY UNSWITCHED	CAT ENGINE
	54				SEALING PLUG	
	55	RED	BECM	14 AWG	+BATTERY UNSWITCHED	CAT ENGINE
	56	GRAY	PTO-EN	18 AWG	PTO ENABLE SWITCH	CAT ENGINE
	57				SEALING PLUG	
	58	GRAY	G955	18 AWG	PTO RAMP UP/SET	TO THROTTLE SWITCH +
	59				SEALING PLUG	
	60	GRAY	G967	18 AWG	PTO RAMP DOWN/RESUME	TO THROTTLE SWITCH -
	61	WHITE/BLACK	GND	14 AWG	BATTERY GROUND	CAT ENGINE
	62				SEALING PLUG	
	63	WHITE/BLACK	GND	14 AWG	BATTERY GROUND	CAT ENGINE
	64				SEALING PLUG	
	65	WHITE/BLACK	GND	14 AWG	BATTERY GROUND	CAT ENGINE
	66	GRAY	PWM-THR	18 AWG		CAT ENGINE
	67				SEALING PLUG	
	68				SEALING PLUG	
	69	WHITE/BLACK	GND	14 AWG	BATTERY GROUND	CAT ENGINE
	70	RED	BECM	18 AWG	BATTERY SWITCH	CAT ENGINE



KEY	COLOR	WIRE NUMBER	QTY.	FUNCTION	PART NO.	CONNECTOR TYPE
A	TAN	40	1	START ASSIST	90554	RING TERMINAL #10
	TAN	40	1	START ASSIST		
B	RED	24V	1	START ASSIST	90093	RING TERMINAL 1/2
	RED	24V	1	START ASSIST		

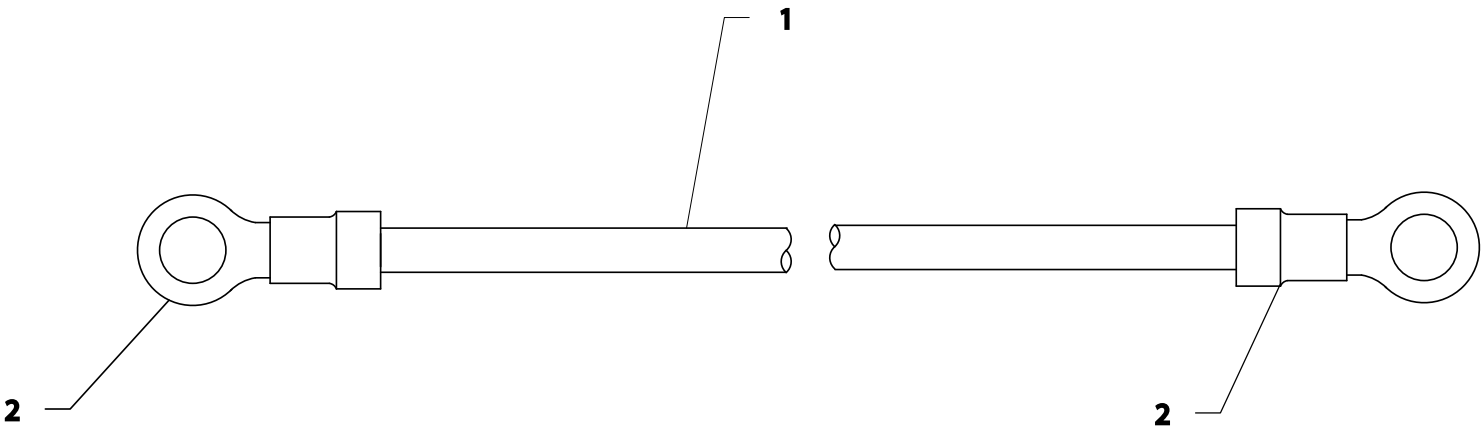
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

40 PIN LAY-OUT

PIN	COLOR HERITAGE	WIRE #	PINS (70 PIN ENG PLUG)	
1	YELLOW	CDL+	8	2 COND 18 AWG
2	GREEN	CDL-	9	2 COND 18 AWG
3	TAN	44 (18 AWG)	44	
4	GREEN W/RED STRIPE	J1939-	34	3 COND 18 AWG
5	GRAY W/RED STRIPE	J1939 SH	42	3 COND 18 AWG
6	YELLOW W/RED STRIPE	J1939+	50	3 COND 18 AWG
7	RED	BECM (14 AWG)	48	
8	RED	BECM (14 AWG)	52	
9	RED	BECM (14 AWG)	53	
10	RED	BECM (14 AWG)	55	
11	TAN	G955 (18 AWG)	58	
12	TAN	G967 (18 AWG)	60	
13	TAN	AN SENSOR +	2	
14	TAN	AN SENSOR -	3	
15	TAN	D-REGEN (18 AWG)	13	
16	TAN	I-REGEN (18 AWG)	7	
17	TAN	PRIME (18 AWG)	14	
18	TAN	AIR INLET	17	
19	TAN	DIG SENSOR -	18	
20	TAN	F-REGEN (18AWG)	23	
21	TAN	W-LAMP (18 AWG)	28	
22	TAN	S-LAMP (18 AWG)	29	
23	TAN	DPF-LAMP (18 AWG WIRE)	30	
24	TAN	HEST LAMP (18AWG WIRE)	31	
25	TAN	FAN PWM (18 AWG WIRE)	43	
26	WHITE/BLACK	LSR (18 AWG WIRE)	46	
27	WHITE/BLACK	HSR (18AWG WIRE)	47	
28	WHITE/BLACK	GND (14 AWG WIRE)	61	
29	WHITE/BLACK	GND (14 AWG WIRE)	63	
30	WHITE/BLACK	GND (14 AWG WIRE)	65	
31	WHITE/BLACK	GND (14 AWG WIRE)	69	
32	TAN	PTO-EN (18 AWG WIRE)	56	
33	TAN	PWM-THR (18 AWG WIRE	66	
34	RED	BECM (18AWG WIRE)	70	
35	TAN	40		
36	TAN	40		
37	RED	24V		
38	RED	24V		
39				
40				

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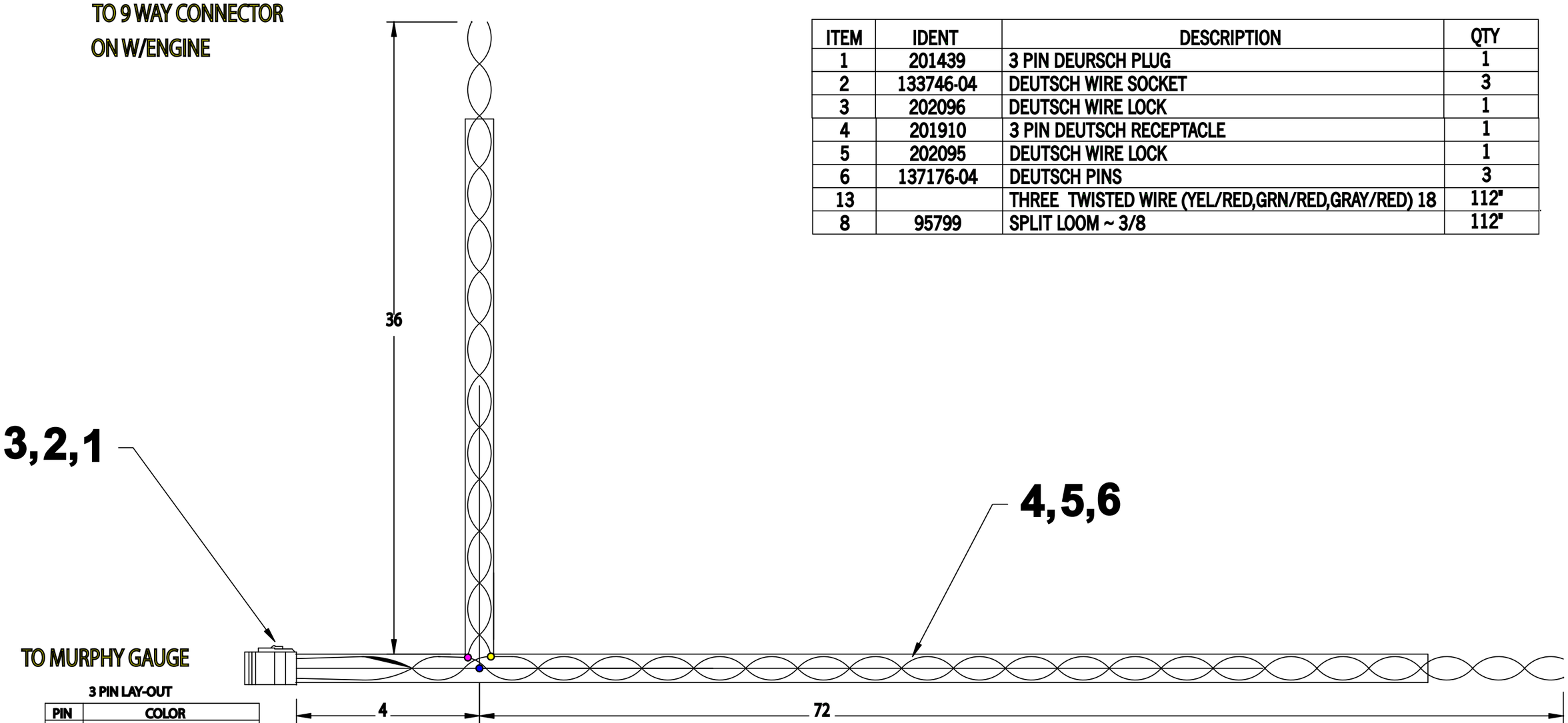
HARNESS- ENGINE GROUND
(219958-03)



ITEM	IDENT	DESCRIPTION	QTY
1	83995-04	CABLE - 1/0 BATTERY	96"
2	83306-04	TERMINAL - 3/8" RING	2

HARNESS- DATA LINK TEE
(237672-03)

ITEM	IDENT	DESCRIPTION	QTY
1	201439	3 PIN DEURSCH PLUG	1
2	133746-04	DEUTSCH WIRE SOCKET	3
3	202096	DEUTSCH WIRE LOCK	1
4	201910	3 PIN DEUTSCH RECEPTACLE	1
5	202095	DEUTSCH WIRE LOCK	1
6	137176-04	DEUTSCH PINS	3
13		THREE TWISTED WIRE (YEL/RED,GRN/RED,GRAY/RED) 18	112"
8	95799	SPLIT LOOM ~ 3/8	112"

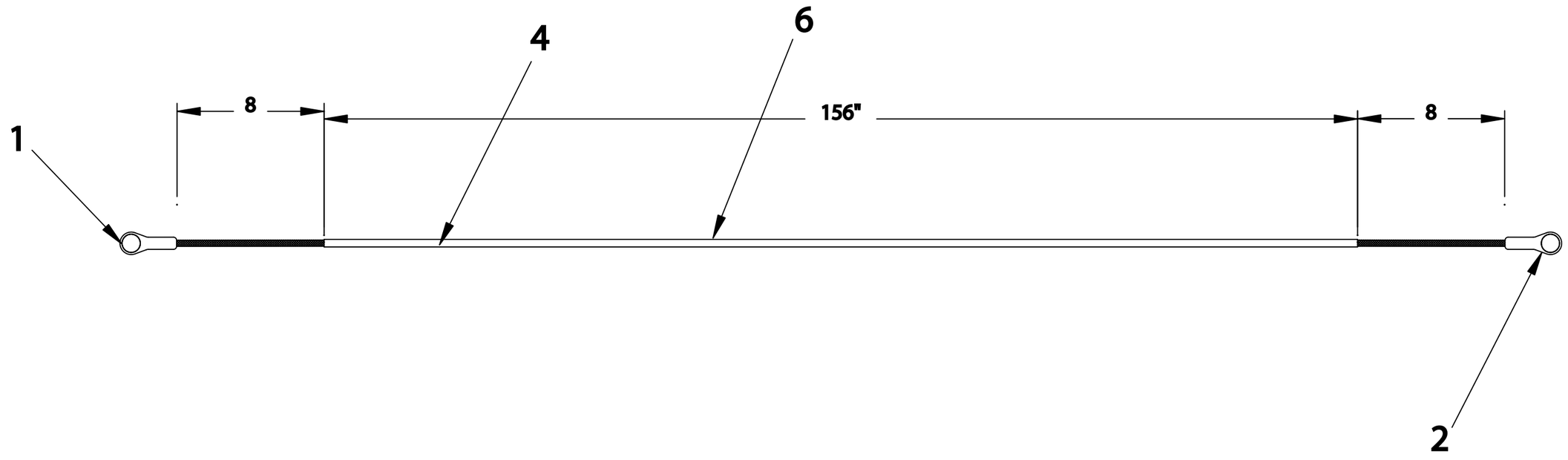


3 PIN LAY-OUT

PIN	COLOR
A	YELLOW
B	GREEN
C	GRAY

HARNESS- ALTERNATOR
(237252-03)

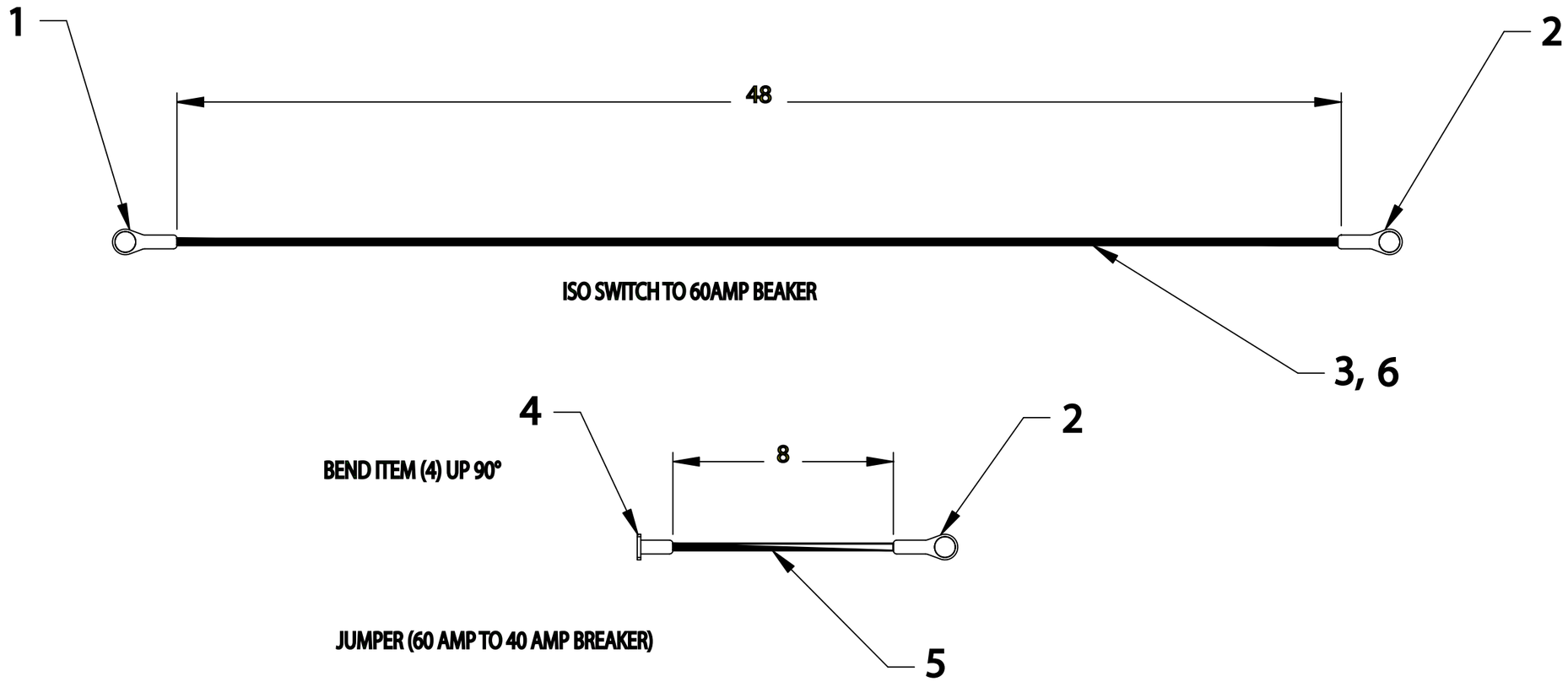
ITEM	IDENT	DESCRIPTION	QTY
1	128219	WIRE ~ TERMINAL 5/16 RING	2
2	128218	WIRE ~ TERMINAL 1/4" RING	1
5		WIRE ~ 8 AWG (RED)	172"
6	95799	SPLIT LOOM ~ 3/8	156"



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

HARNESS- 60 AMP BREAKER
(237251-03)

	ITEM	IDENT	DESCRIPTION	QTY
	1	93987-04	TERMINAL RING ~ 3/8	1
	2	128218	WIRE TERMINAL 1/4 RING	2
	3		WIRE 8 AWG RED	48
	4	90554	RING TERMINAL #10	1
	5		WIRE 10 AWG RED	8"
	6	95021	SPLIT LOOM ~ 1/4"	12"



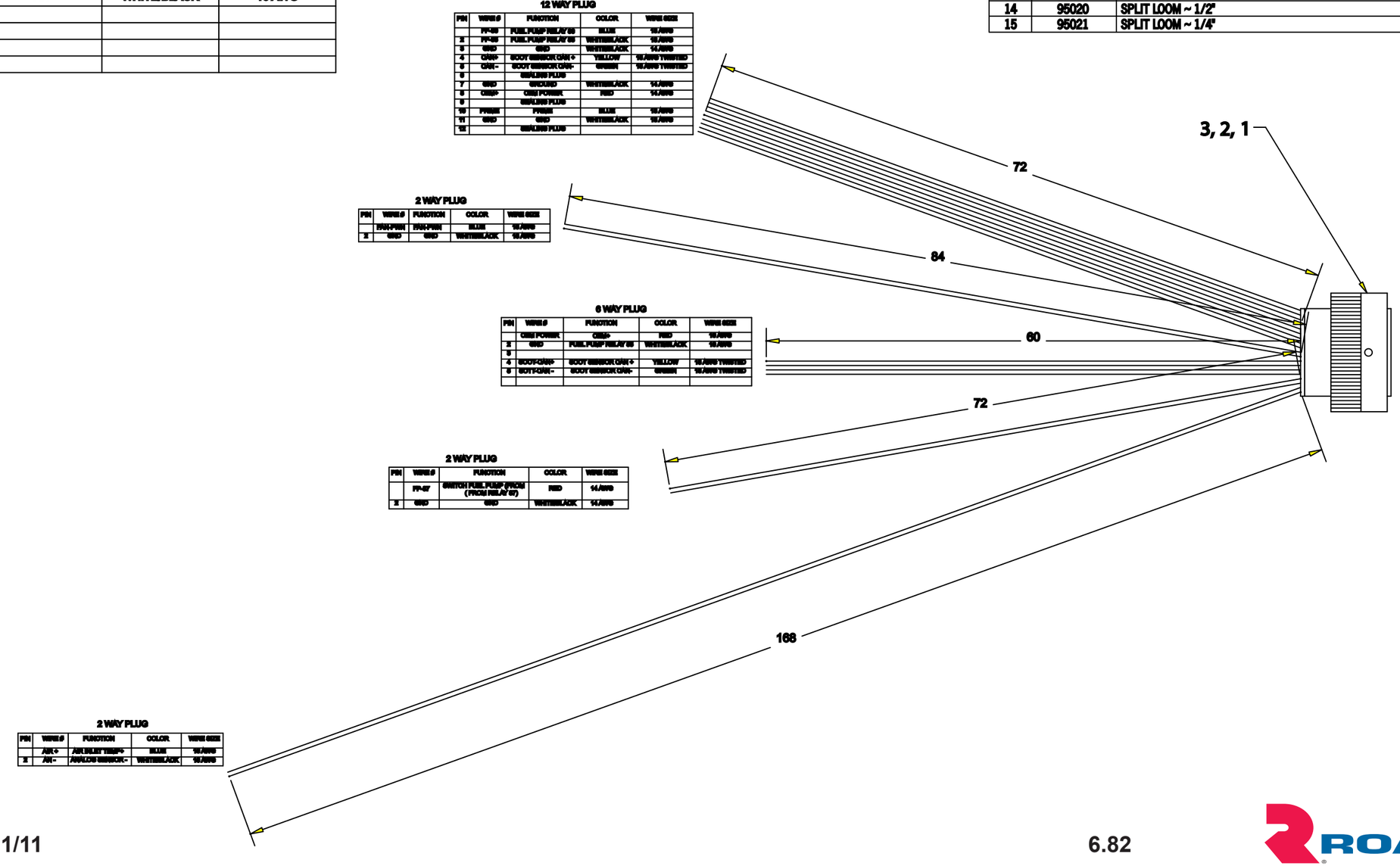
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

HARNESS- CEM INTERFACE
(236789-02)

23 WAY PLUG

PIN	FUNCTION	WIRE #	COLOR	WIRE SIZE
A	FUEL PUMP RELAY 86	FP-86	BLUE	18 AWG
B	FUEL PUMP RELAY 85	FP-85	WHITE/BLACK	18 AWG
C	GND	GND	WHITE/BLACK	14 AWG
D	SOOT SENSOR CAN +	CAN+	YELLOW	18 AWG TWISTED
E	SOOT SENSOR CAN-	CAN -	GREEN	18 AWG TWISTED
F	GROUND	GND	WHITE/BLACK	14 AWG
G	CEM POWER	CEM+	RED	14 AWG
H	PRIME	PRIME	BLUE	18 AWG
J	GND	GND	WHITE/BLACK	18 AWG
K	FAN-PWM	FAN-PWN	BLUE	18 AWG
L	GND	GND	WHITE/BLACK	18 AWG
M	CEM POWER	CEM+	RED	16 AWG
N	GROUND	GND	WHITE/BLACK	16 AWG
O	SOOT SENSOR CAN +	SOOT-CAN+	YELLOW	18 AWG TWISTED
P	SOOT SENSOR CAN-	SOOT-CAN-	GREEN	18 AWG TWISTED
Q	SWITCH FUEL PUMP (FROM RELAY 87)	FP-87	RED	14 AWG
R	GROUND	GND	WHITE/BLACK	14 AWG
S	AIR INLET TEMP +	AIR +	LIGHT BLUE	16 AWG
T	ANALOG SENSOR -	AN-	WHITE/BLACK	16 AWG
U	SEALING PLUG			
V	SEALING PLUG			
W	SEALING PLUG			
X	SEALING PLUG			

ITEM	IDENT	DESCRIPTION	QTY
1	211953-04	DEUTSCH 23 PIN PLUG	1
2	133746-04	DEUTSCH 16 AWG SOCKET	14
3	133741-04	DEUTSCH SEALING PLUG	4
4	236794-04	DEUTSCH SOCKETS PART NUMBER 0462-209-16^{00}	4
5		14 GAUGE RED GXL WIRE 126-14800-5000-22	144"
6		14 GAUGE WHITE/BLACK GXL WIRE 126-14800-5000-92	144
7		18 GAUGE BLUE GXL WIRE 126-18800-5000-66	288
8		18 GAUGE WHITE/BLACK GXL WIRE 126-14800-5000-90	288"
9		16 GAUGE BLUE GXL WIRE 126-16800-5000-66	168
10		16 GAUGE WHITE BLACK GXL WIRE 126-16800-5000-90	138
11		18 GAUGE 2 CONDUCTOR TWISTED YELLOW/GREEN	144
12		18 GAUGE RED GXL WIRE 126-16800-5000-22	84
13	35Z65	SPLIT LOOM ~ 3/4"	72
14	95020	SPLIT LOOM ~ 1/2"	60
15	95021	SPLIT LOOM ~ 1/4"	324



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70 PIN INSTRUMENTATION CONNECTOR

	AWG	PIN	
		1	
ANALOG SENSOR POWER	16	2	AN SENS+
ANALOG SENSOR RETURN	16	3	AN SENS-
DIGITAL SENSOR POWER	16	4	
DIGITAL SENSOR RETURN	16	5	
MAINT. DUE RESET SWITCH	16	6	
TORQUE LIMIT SWITCH	16	7	I-REGEN
CAT DATALINK +	16	8	CDL+
CAT DATALINK –	16	9	CDL-
		10	
		11	
		12	
DISABLE REGEN		13	D-REGEN
FUEL PRIMING SWITCH INPUT		14	PRIME
	16	15	
AUXILIARY TEMPERATURE SENSOR	16	16	AUX TEMP
AIR INLET TEMPERATURE SENSOR		17	AIR INLET
DIGITAL SENSOR RETURN		18	DIG SENS-
		19	
		20	
		21	
		22	
FORCE REGEN	16	23	F-REGEN
		24	
		25	
		26	
		27	
DIAGNOSTIC LAMP	16	28	W-LAMP
WARNING LAMP	16	29	S-LAMP
DIESEL PARTICULATE FILTER LAMP	16	30	DPF-LAMP
HIGH EXHAUST SYSTEM TEMPERATURE	16	31	HEST-LAMP
		32	
		33	
J1939 DATA –	16	34	K990
		35	
		36	
		37	
		38	
		39	
	16	40	
	16	41	
J1939 SHIELD	16	42	A234
		43	
REMOTE SHUTDOWN	16	44	44
	16	45	
LOW SPEED REGENERATION ENABLE		46	DIG SENS-
HIGH SPEED REGENERATION ENABLE	16	47	DIG SENS-
+ BATTERY UNSWITCHED	16	48	BECM (B)
COOLANT LEVEL SENSOR	16	49	
J1939 DATA +	16	50	K900
		51	
+ BATTERY UNSWITCHED	16	52	BECM
+ BATTERY UNSWITCHED	16	53	BECM
75% OVERSPEED VERIFY SWITCH	16	54	
+ BATTERY UNSWITCHED	16	55	BECM
PTO ENABLE SWITCH	16	56	DIG SENS-
		57	(B)
PTO RAMP UP/SET SWITCH	16	58	G955
NOT USED	16	59	
PTO RAMP DOWN/RESUME SWITCH	16	60	G967
BATTERY –	16	61	GND
		62	
BATTERY –	16	63	GND
		64	
BATTERY –	16	65	GND
	16	66	
	16	67	
	16	68	
BATTERY –	16	69	GND
+ BATTERY SWITCHED	16	70	9

ENGINE HARNESS GROUND DISCONNECT SWITCH

THROTTLE
UP
DOWN
INHIBIT
FORCE

CAT DATALINK CONNECTOR

9	A	POWER
GND	B	GROUND
	C	J1939 SHIELD
	D	CDL+
	E	CDL–
	F	J1939–
	G	J1939+

120 OHM

SHLD
+
–
3–PIN DEUTSCH
MURPHY POWERVIEW POWER AND CAN HARNESS

6–PIN DEUTSCH
26
BACKLIGHT
GND
MURPHY POWERVIEW POWER AND CAN HARNESS

CAN +
CAN –
GND
V +
MURPHY

CAN +
CAN –
120 OHM
ENGINE RPM GAUGE

HEST LAMP
DPF LAMP
DISABLED LAMP
BECM

CONTROLLER – FAN CONTROL

CONNECTOR '1'-GRAY

CONTROLLER FUNCTION	PIN	
GROUND	1	GND
POWER	2	26
CAN +	3	
CAN –	4	
ANALOG IN	5	
DIGITAL IN	6	G955
DIGITAL IN	7	
SENSOR POWER	8	
SENSOR GND	9	
MULTI-FUNCTION IN	10	C1P10
MULTI-FUNCTION IN	11	C1P11
MULTI-FUNCTION IN	12	26

120 OHM
30A (B)
30B
CONNECT ONLY IF ENGINE IS CONFIGURED FOR 325hp

NOTE: ONLY CONNECT C1P10, C2P04, C2P05, & C1P11 IF MODIFIED DISC BRAKE KIT IS INSTALLED

CONNECTOR '2'-BLACK

CONTROLLER FUNCTION	PIN	
MULTI-FUNCTION IN	1	
MULTI-FUNCTION IN	2	
MULIT - FUNCTION OUT	3	FAN PWM
MULIT - FUNCTION OUT	4	C2P04
MULIT - FUNCTION OUT	5	C2P05
MULIT - FUNCTION OUT	6	
MULIT - FUNCTION OUT	7	
MULIT - FUNCTION OUT	8	
MULIT - FUNCTION OUT	9	
MULIT - FUNCTION OUT	10	
POWER	11	26
POWER	12	26

SEE SHEET 5, NEUTRAL INTERLOCK CIRCUIT FOR WIRING (B)

COOLING FAN

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

REV.	SN#	DATE	ISSUES	BY

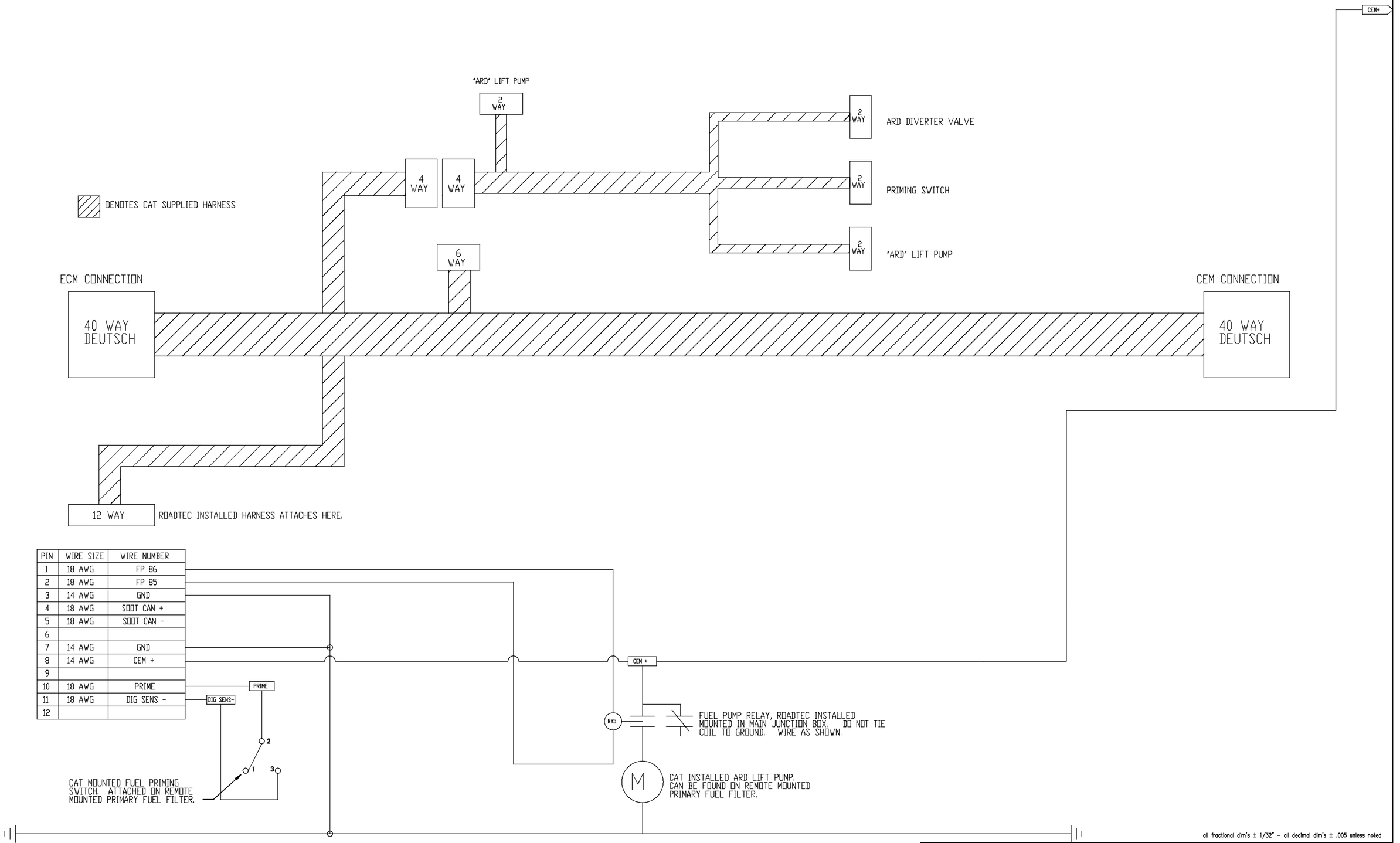
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB–2500E TIER IV

1 REQ'D PER	SHEET NO	FAB CODE	EFFECTIVE S/N
SB–2500E	1 OF 6	603	2002

DRAWN BY	TOTAL WT. (LBS)	DWG NO	REV.
BP		236356–01	B

SCALE	DATE
1=1	1–20–11



PIN	WIRE SIZE	WIRE NUMBER
1	18 AWG	FP 86
2	18 AWG	FP 85
3	14 AWG	GND
4	18 AWG	SDOT CAN +
5	18 AWG	SDOT CAN -
6		
7	14 AWG	GND
8	14 AWG	CEM +
9		
10	18 AWG	PRIME
11	18 AWG	DIG SENS -
12		

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

REV.	SN#	DATE	ISSUES	BY

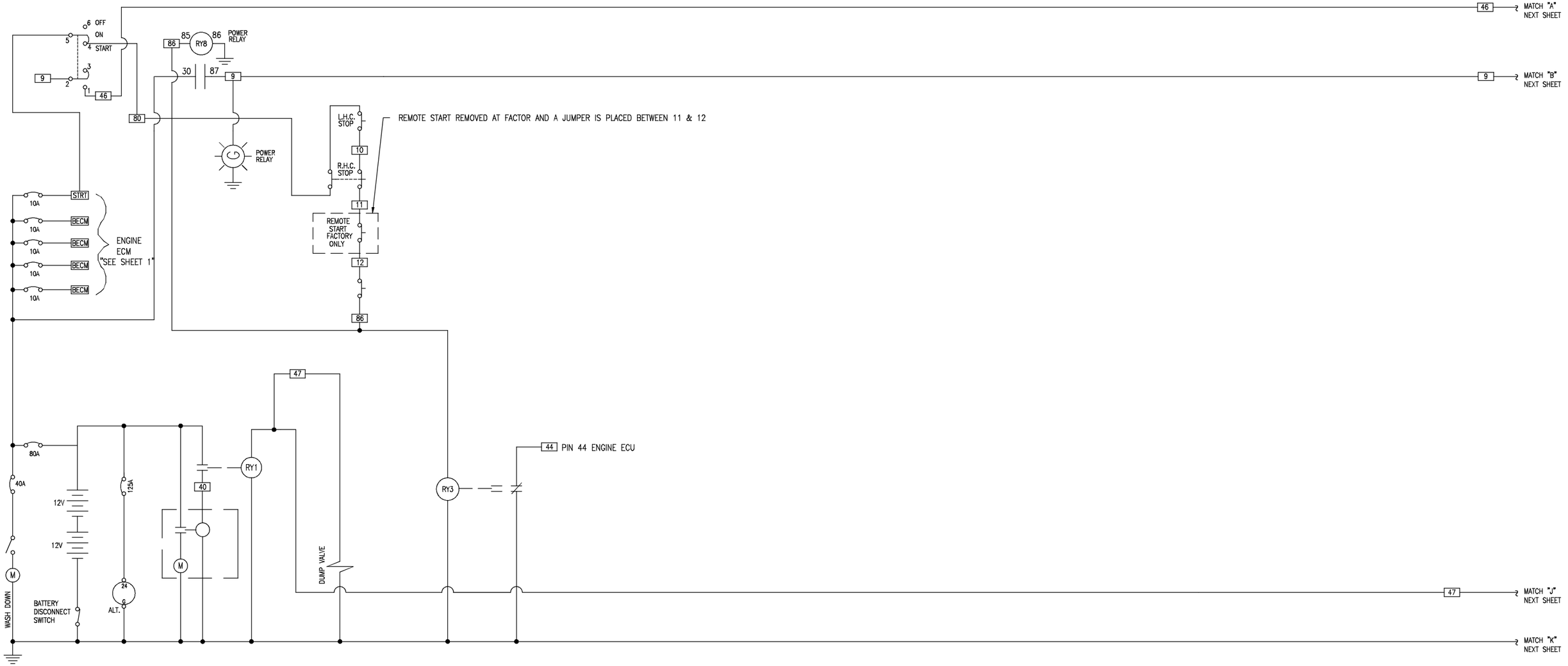
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E | SHEET NO: 2 OF 6 | FAB CODE: 603 | EFFECTIVE S/N: 2002

DRAWN BY: BP | TOTAL WT. (LBS): | DWG NO: 236356-01 | REV.: B

SCALE: 1=1 | DATE: 1-20-11



LEGEND

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

RELAY LEGEND

RY1 – START ASSIST
RY2 – NEUTRAL START
RY3 – ENGINE SHUT DOWN
RY4 – +24V MURPHY GAUGE
RY5 – FUEL PUMP
RY7 – HORN
RY8 – MAIN POWER
RY9 – LATCHING (SPEED SHIFT)
RY10 – NEUTRAL BRAKE
RY11 – FXS DISABLE (ONLY NEEDED WHEN WASH DOWN IS ADDED)
RY12 – ADDITIONAL BRAKE RELAY FOR MODIFIED DISC BRAKE OPTION
RY13 – PRESSURE SWITCH REPLACEMENT RELAY FOR MODIFIED DISC BRAKE OPTION

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

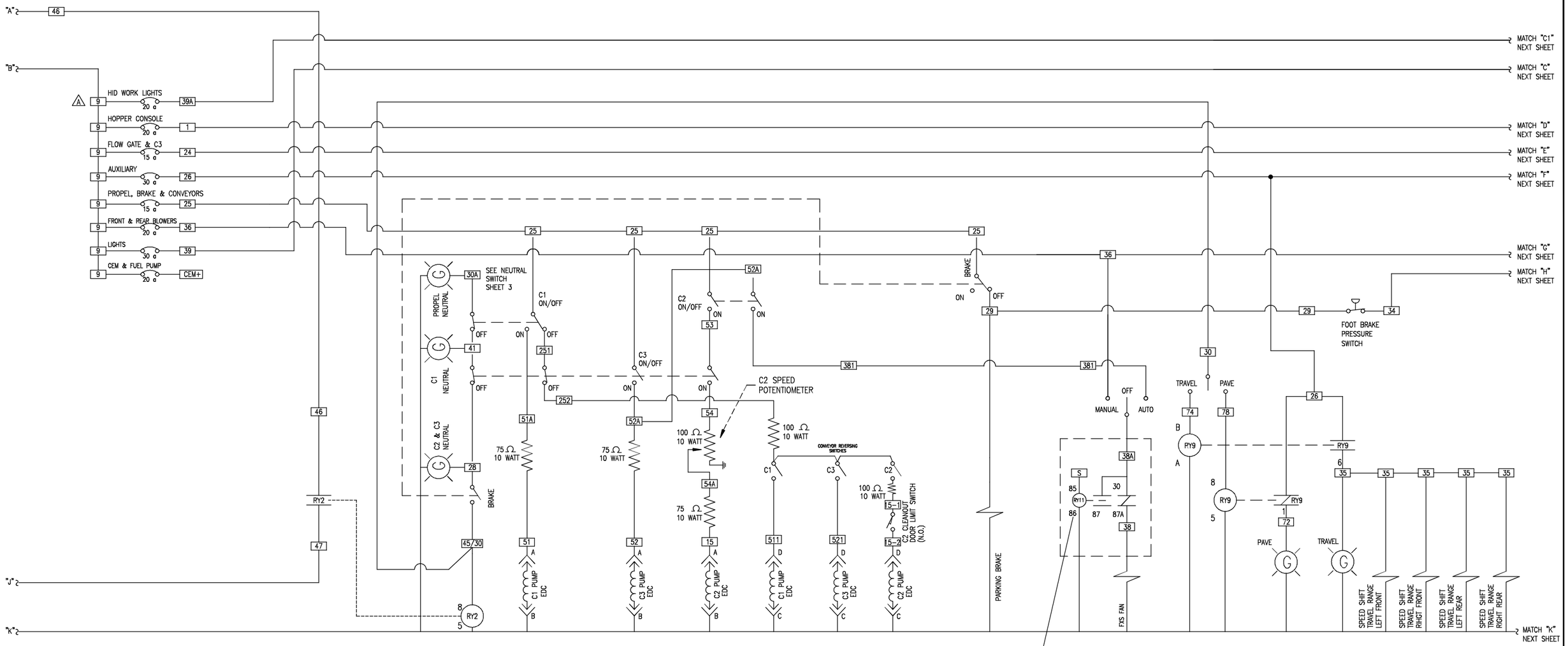
REV.	S/N#	DATE	ISSUES	BY
A		6-7-12	ADDED WORK HID WORK LIGHTS	1/A TAC
B		11-8-12	ADDED WIRING FOR 325HP MODIFICATION &	1/B BP
B			DISC BRAKE MODIFICATION OPTION	BP

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E | SHEET NO: 3 OF 6 | FAB CODE: 603 | EFFECTIVE S/N: 2002

DRAWN BY: BP | TOTAL WT. (LBS): | SCALE: 1=1 | DATE: 1-20-11 | DWG NO: 236356-01 | REV: B



ADD RY11 WHEN MACHINE IS EQUIPPED WITH WASH DOWN SYSTEM. THIS WILL PREVENT THE FXS SYSTEM FROM RUNNING WHILE THE WASH DOWN IS IN USE.

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

REV.	SN#	DATE	ISSUES	BY

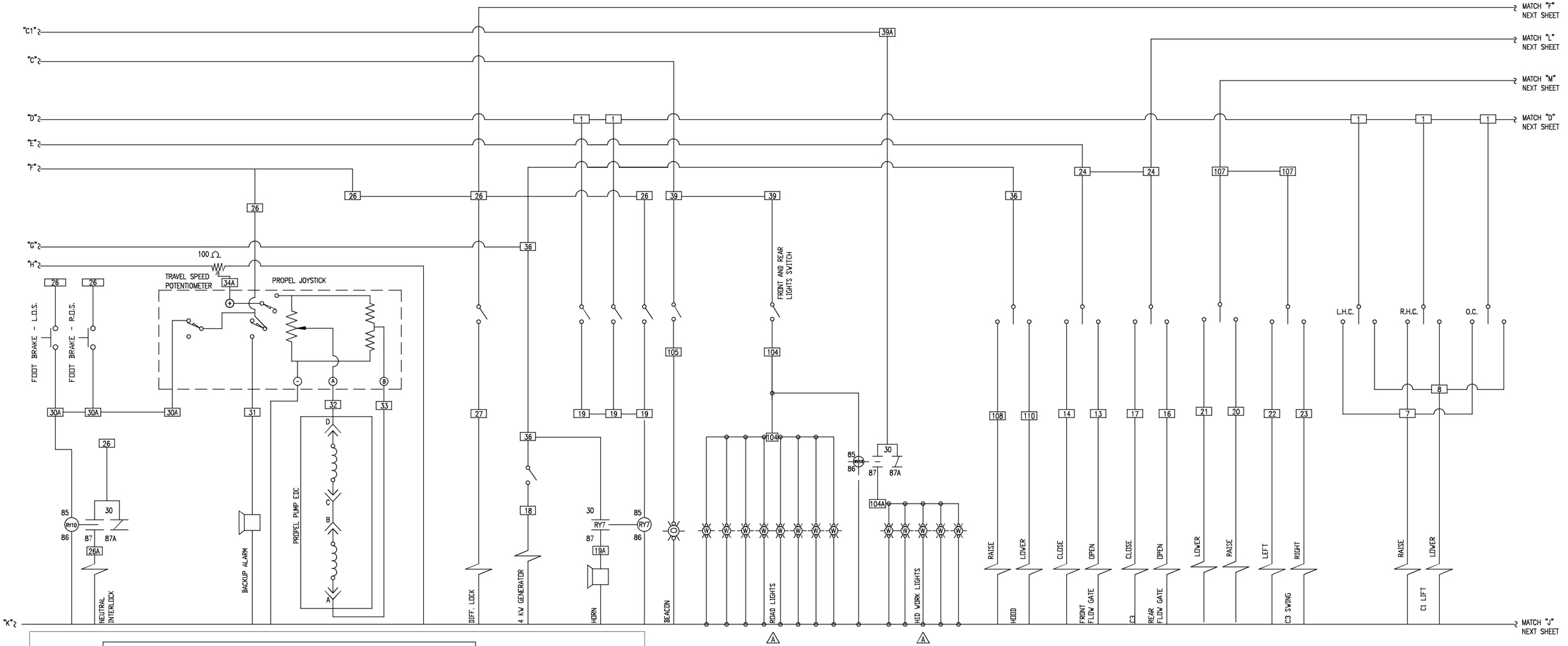
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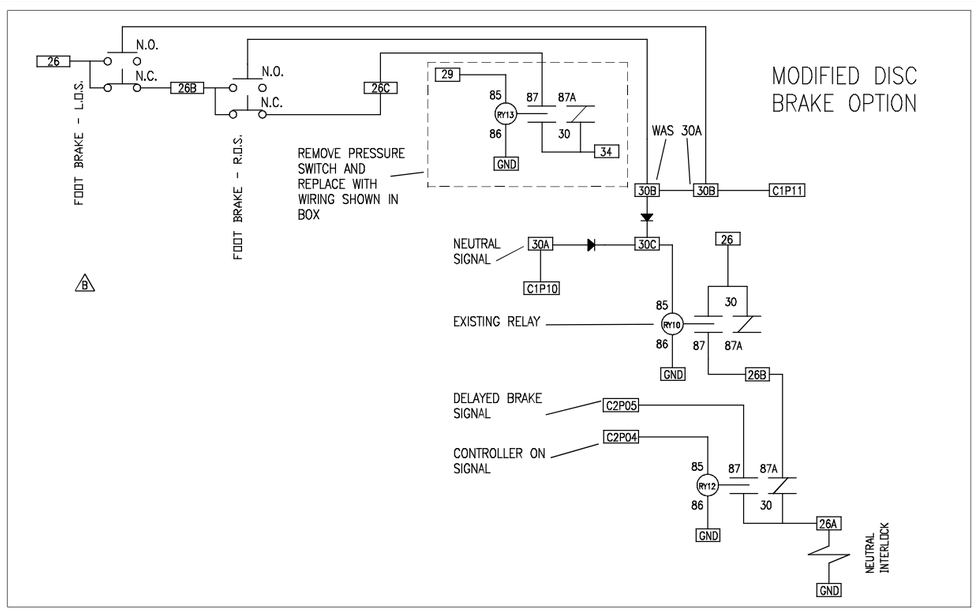
PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E | SHEET NO: 4 OF 6 | FAB CODE: 603 | EFFECTIVE S/N: 2002

DRAWN BY: BP | TOTAL WT. (LBS): | DWG NO: 236356-01 | REV.: B

SCALE: 1=1 | DATE: 1-20-11





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

REV.	SN#	DATE	ISSUES	BY

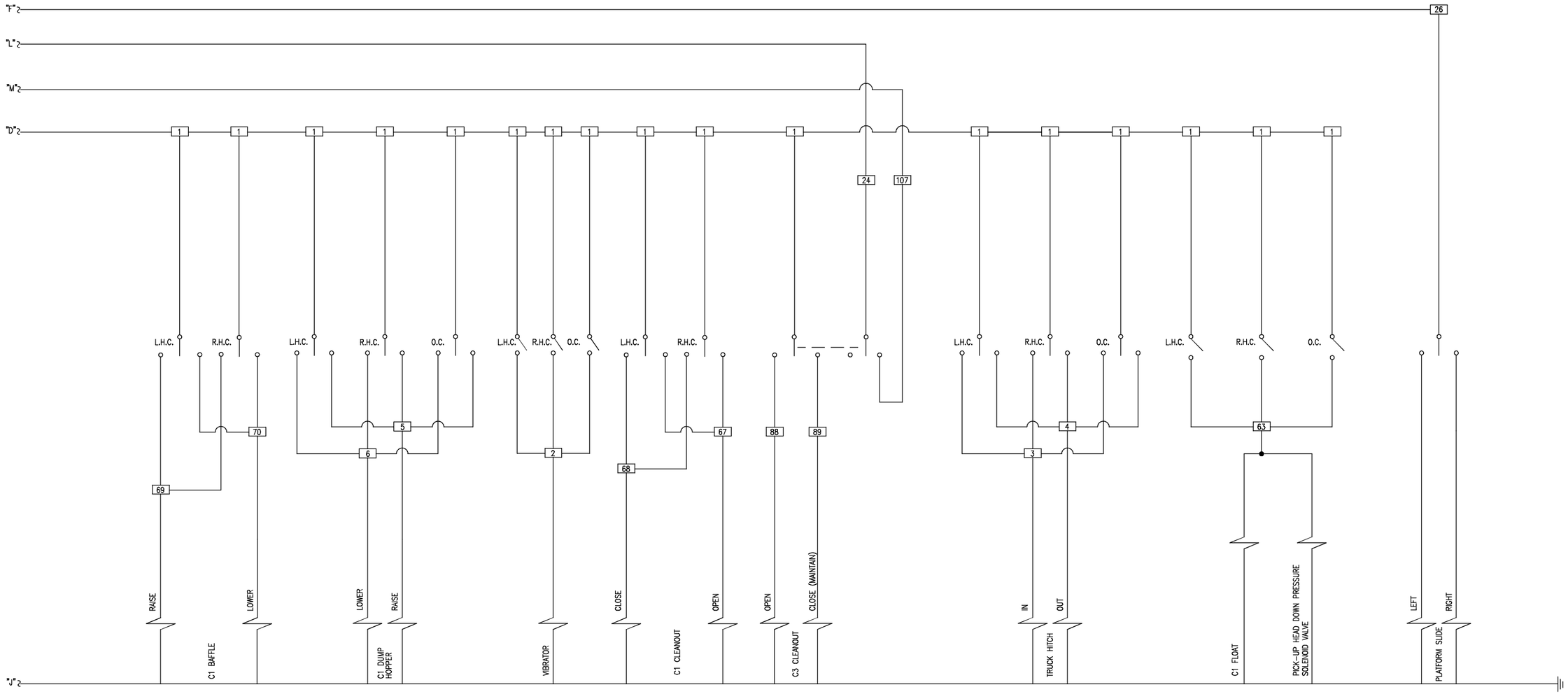
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PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E | SHEET NO: 5 OF 6 | FAB CODE: 603 | EFFECTIVE S/N: 2002

DRAWN BY: BP | TOTAL WT. (LBS): | DWG NO: 236356-01 | REV.: B

SCALE: 1=1 | DATE: 1-20-11



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

REV.	SH#	DATE	ISSUES	BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E | SHEET NO: 6 OF 6 | FAB CODE: 603 | EFFECTIVE S/N: 2002

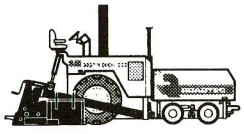
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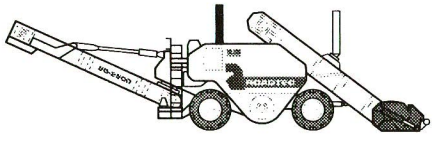
SCALE: 1=1 | DATE: 1-20-11

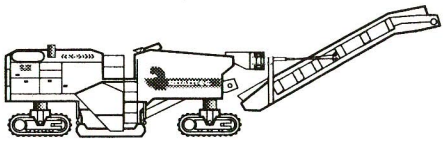
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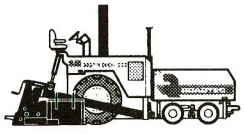
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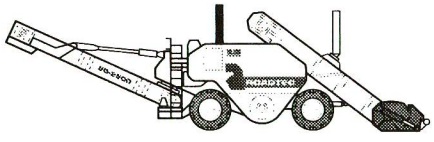
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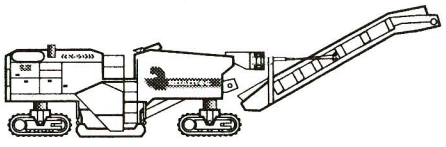
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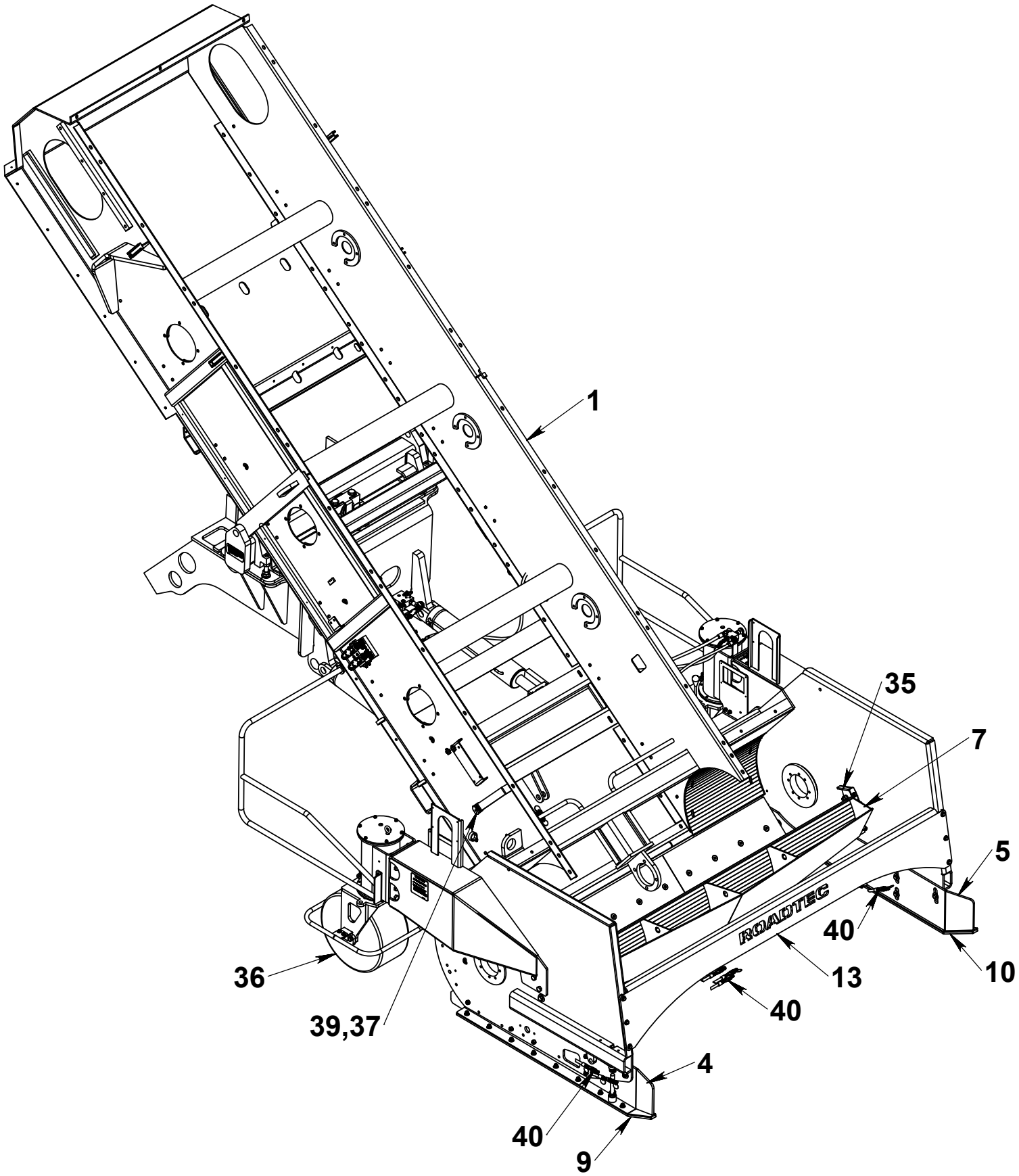
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SECTION 7 : OPTIONAL EQUIPMENT

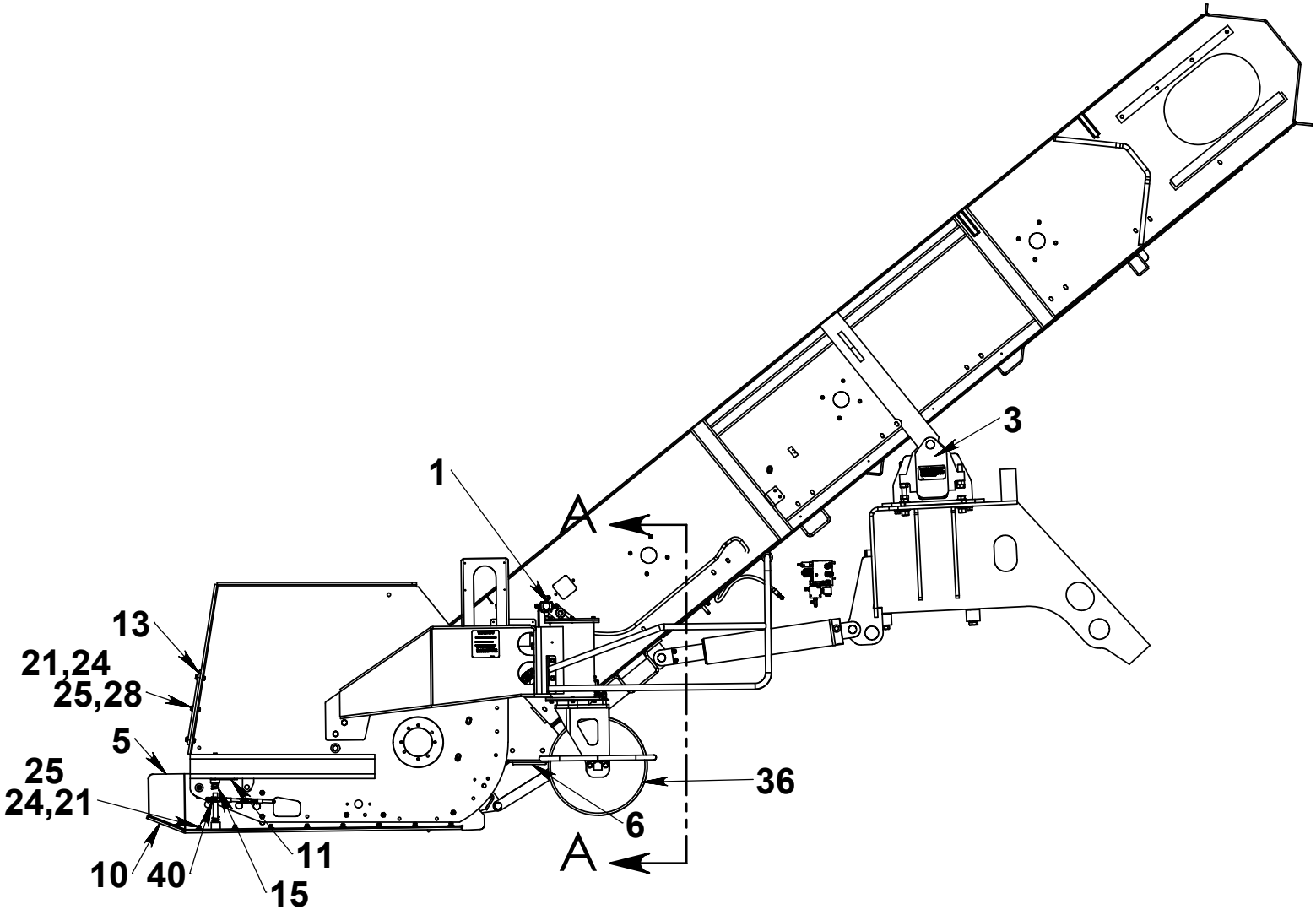
ASSEMBLY	PART NO.	S/N	PAGE NO.
WINDROW	238885-01	2002 & UP	7.1
HYDRAULIC ASSY.	237143-01		7.5
C-1 RAISE/LOWER MANIFOLD MOD.	238950-03		7.6
PRESSURE RED. VALVE	212044-04		7.7
ELECTRICAL	239164-01		7.8
STEERING BOX	239142-01		7.10
R.H. C1 CONTROL BOX	239143-01		7.11
L.H. C1 CONTROL BOX	239144-01		7.15
WINDROW PIVOT	236989-01		7.19
WINDROW CASTER & HYD'S.	238884-04		7.22
WINDROW CASTERS	235403-01		7.23
WINDROW HYDRAULICS	237140-01		7.26
CASTER JACK	216750-01		7.31
QUICK-CONNECT HOSE ASSY.	221713-02		7.33
PREM. PLATFORM LED LIGHTING	236885-01		7.36

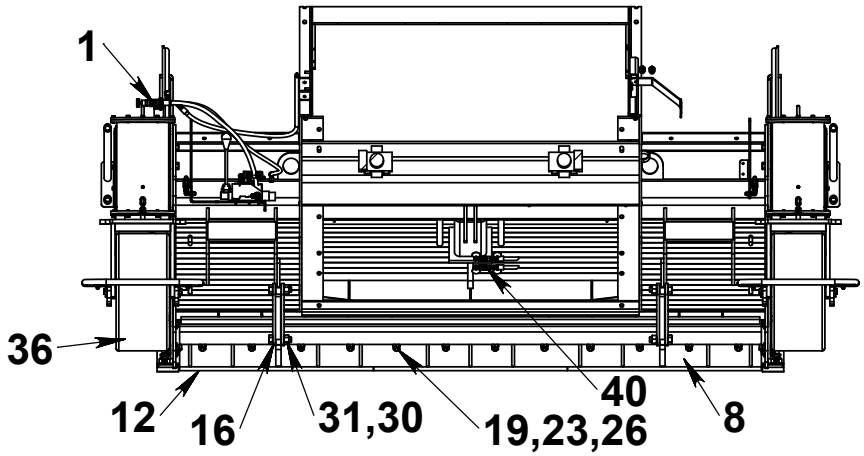
ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)

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ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)

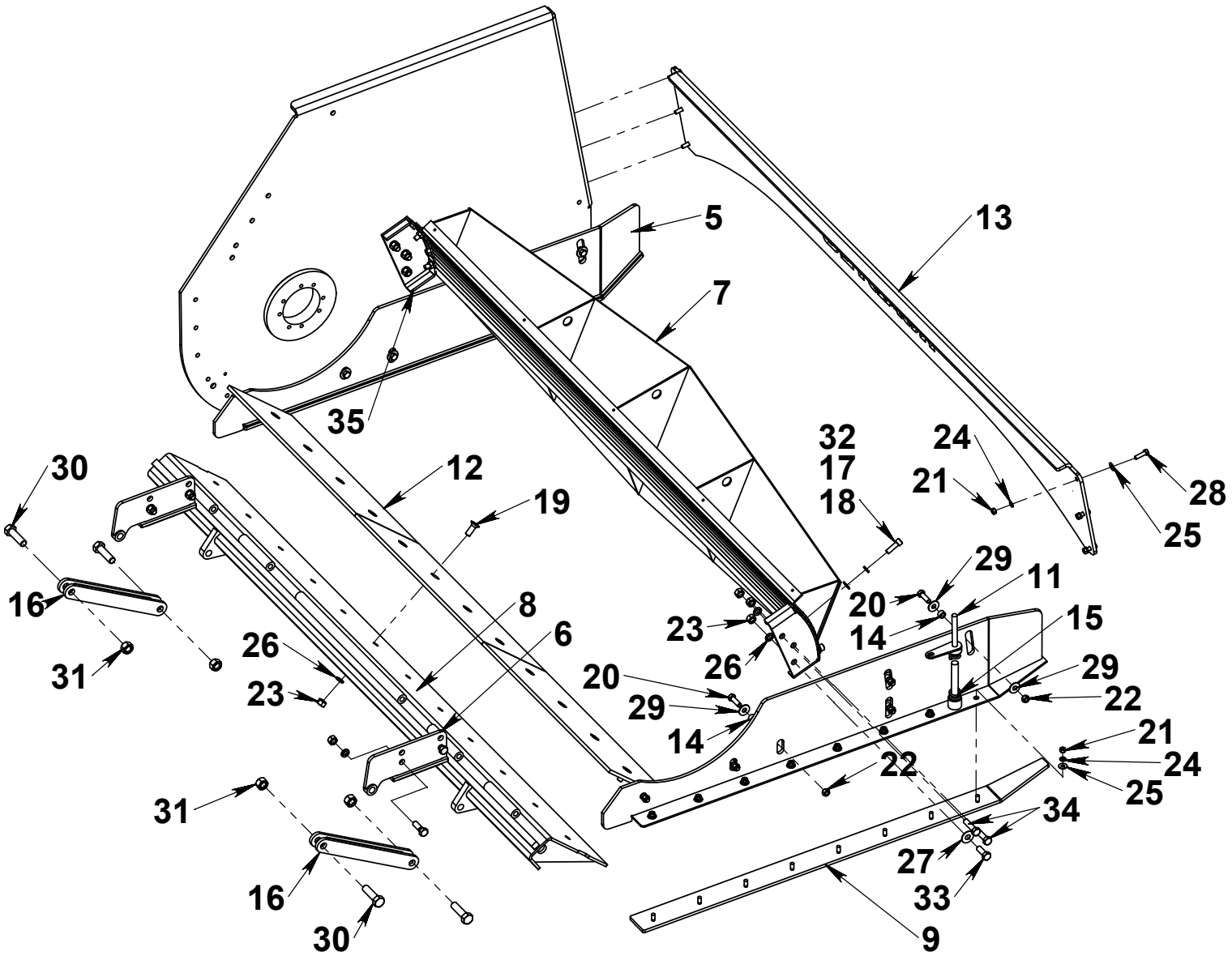




SECTION A-A

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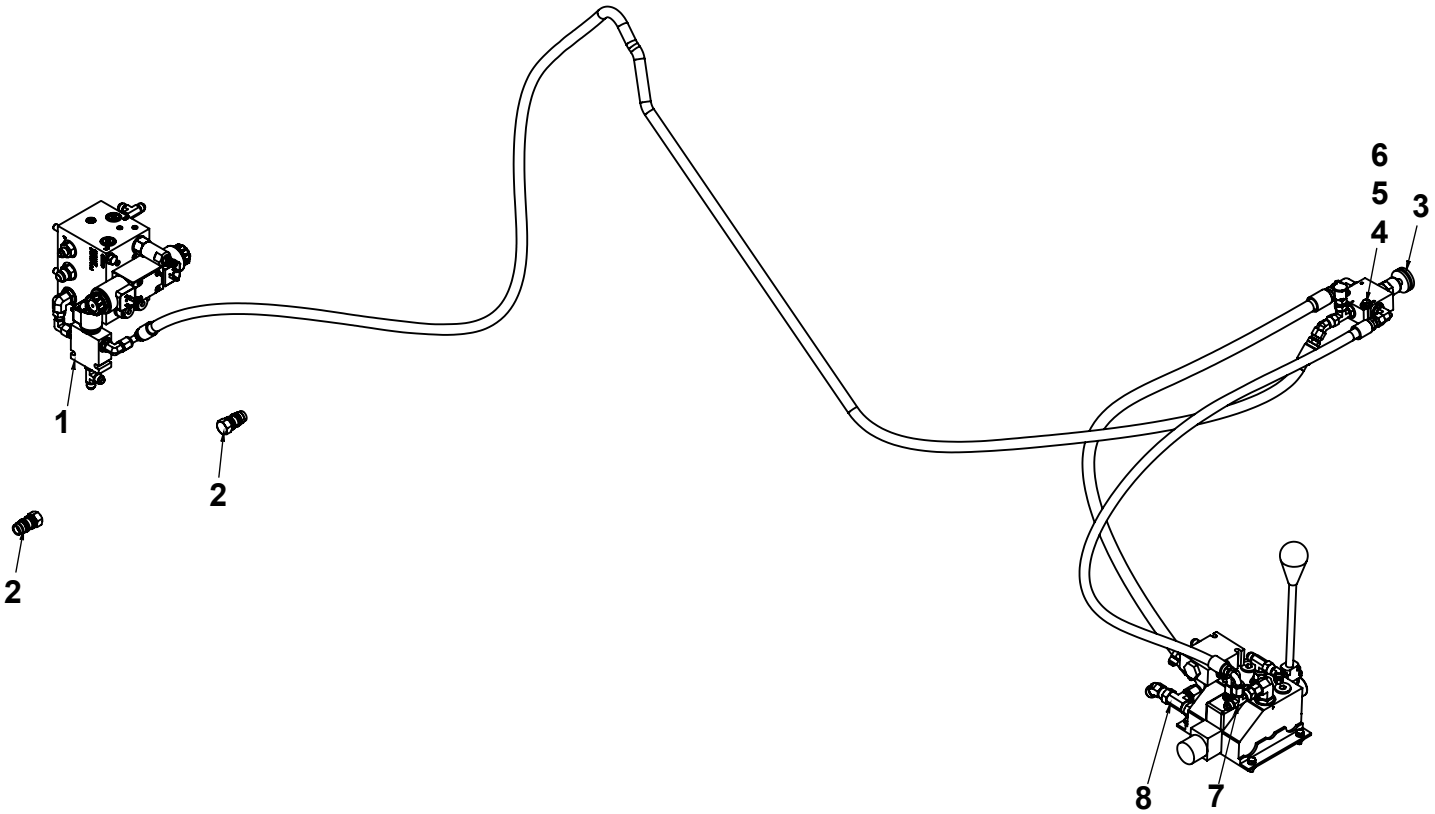
ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)



ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)

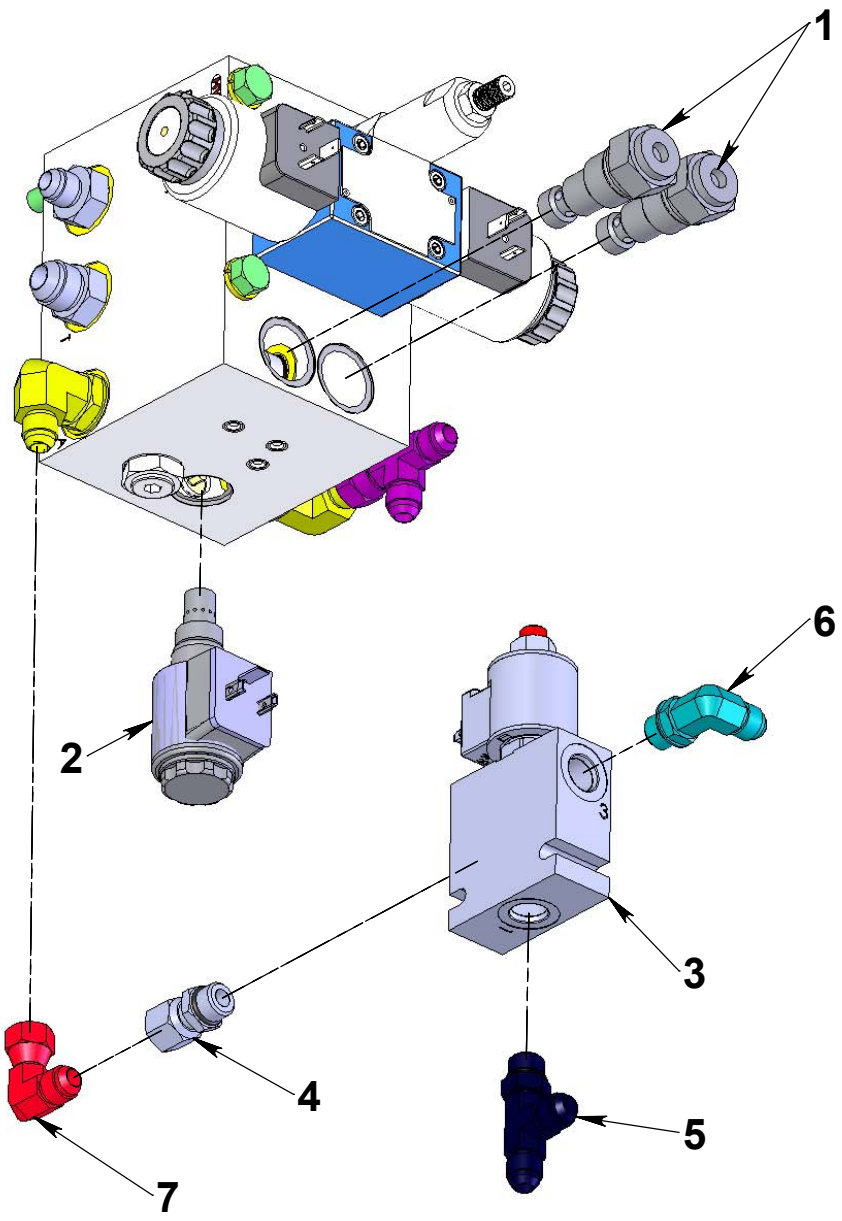
ITEM #	PART #	DESCRIPTION	Default/ QTY
1	237143-01	ASSY-HYD WINDROW W/CSTR &DUMP 2500E	1
2	239164-01	ASSY-ELEC WINDROW W/ CASTERS 2500E	1
3	236989-01	ASSEMBLY-WINDROW PIVOT 2500E T4	1
4	235045-01	WELDMENT-R.H. WINDROW SKI 2500E	1
5	235046-01	WELDMENT-L.H. WINDROW SKI 2500E	1
6	238872-03	WELDMENT-CYLINDER MOUNT 2500E	2
7	202199-01	WELDMENT - WINDROW PLOW	1
8	235430-01	WELDMENT-WINDROW SCRAPER 2500E	1
9	235143-03	WELDMENT-R.H. SKI SHOE 2500E	1
10	235142-03	WELDMENT-L.H. SKI SHOE 2500E	1
11	202907-04	WELDMENT-SKI PIN	2
12	235456-03	DETAIL-SCRAPER BLADE 2500E	3
13	238869-03	DETAIL-SIDESHEET STIFFINER 2500E	1
14	202911-04	DETAIL-SKI SPACER	12
15	98966-04	SPRING * 10D	2
16	235477-03	WLDT-SCRAPER BLADE BRACE 2500E	2
17	84717	WASHER * LOCK 5/8" SPRING STEEL	4
18	84722	SCREW * 5/8"-11 X 1 1/2" SOC.HD.	4
19	136637-04	CSK.BOLT * 3/4-10 X 2	12
20	96041	BOLT ~ HEX 5/8-11 x 2"	12
21	83288	NUT * 1/2"-13 HEX GRADE 8	22
22	92247	NUT * 5/8"-11 LOCK GRADE 8	12
23	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	18
24	83317	WASHER * LOCK 1/2" SPRING STEEL	22
25	83781-04	WASHER * FLAT 1/2" STEEL	22
26	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	18
27	83133	WASHER * FLAT 3/4" STEEL	2
28	89142	BOLT ~ HEX 1/2"-13UNC x 1 3/4"	6
29	85147	WASHER * FLAT 5/8"(USS 1 3/4 OD)	14
30	14S13	BOLT * HEX 1"-8 X 3 1/2"	4
31	83378-04	NUT * LOCK 1"-8 NYLON GRADE 8 (TOP LOCK)	4
32	26F83	WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW	4
33	93071	BOLT ~ HEX 3/4"-10 x 2" LG.	2
34	95930	BOLT * HEX 3/4"-10 X 2 3/4"	4
35	235056-02	WLDT-WINDROW PLOW BRACKET 2500E	2
36	238884-04	ASSY-WINDROW CASTERS & HYD 2500E	1
37	239140-03	DETAIL-RH GREASE LINE BRACKET 25E	1
38	238895-03	DETAIL-GREASE LINE BRACKET 2500E	1
39	96088-04	DECAL * GREASE HERE 1"X 2"	2
40	221713-02	ASSY-WINDROW QUICK CONNECT HOSE	1

SB-2500E WINDROW HYDRAULIC ASSEMBLY
(237143-01)



ITEM #	PART #	DESCRIPTION	QTY.
1	238950-03	MOD-C1 MANIFOLD RAISE/LOWER WR 25E	1
2	123357	FIT * SUN HYDRAULICS CAVITY PLUG	2
3	212044-04	ASSY-PRESS REDUCING VALVE	1
4	83954-04	BOLT * HEX 1/4"-20 X 2"	2
5	83065	WASHER ~ LOCK 1/4" SPRING STEEL	2
6	84444	WASHER * FLAT 1/4" STEEL	2
7	84636-04	FIT ~ SWIVEL RUN TEE 6 JIC	1
8	84638-04	FIT ~ SWIVEL RUN TEE 8 JIC	1

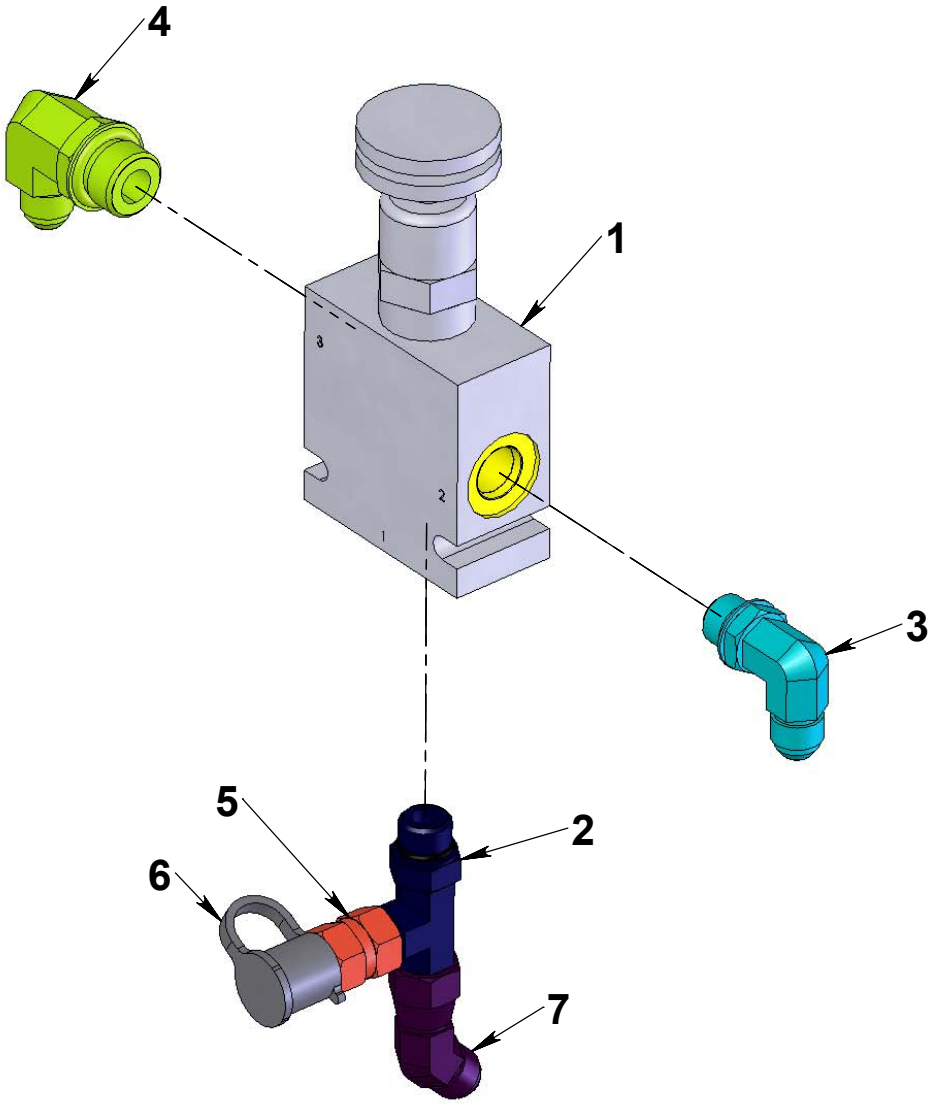
ASSY. - C-1 RAISE/LOWER MANIFOLD SB-2500E WINDROW (238950-03)



MODIFY FROM EXISTING C1 RAISE/LOWER MANIFOLD P/N. 236177-03

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	215722-04	VALVE * PO CHECK HYDAC CARTRIDGE	2
2	215723-04	VALVE * SOLENOID HYDAC CARTRIDGE	1
3	232461-04	VALVE ~ SOLENOID 3 WAY, 2 POS	1
4	135923-04	FIT * 6 SAE MALE - 6 JIC FEM SW.STR	1
5	91665-04	FIT ~ RUN TEE 6 JIC M - 6 SAE M	1
6	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	1
7	83953-04	FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG.	1
8	237202-03-C3	COIL - 24VDC DIN	1

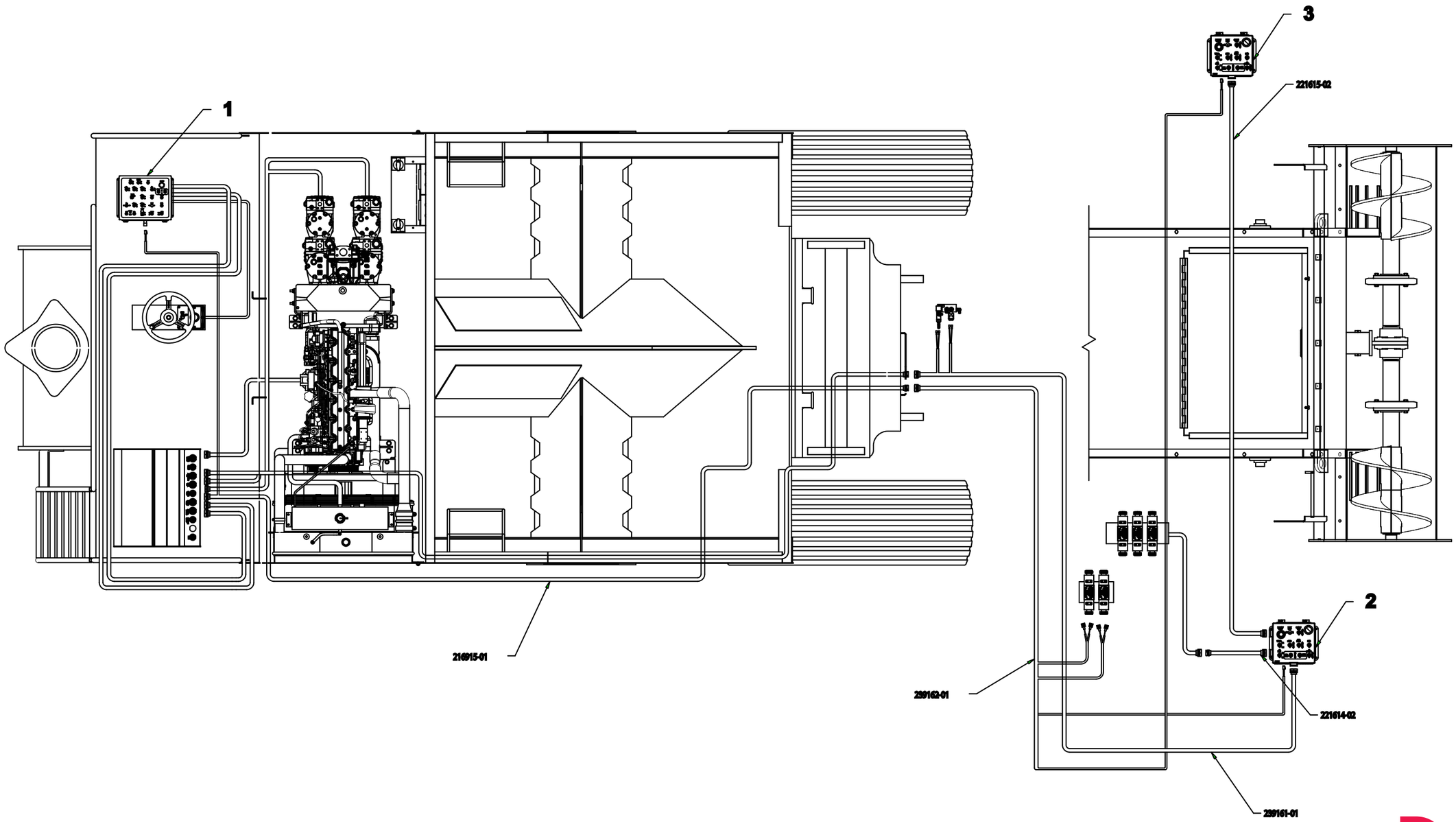
ASSY-PRESS REDUCING VALVE
(212044-04)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	202901-04	VALVE * PRESSURE REDUCING 200-800	1
2	91665-04	FIT ~ RUN TEE 6 JIC M - 6 SAE M	1
3	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.	1
4	83461-04	FIT * ELBOW 8 JICM-6 SAE 90 STEEL	1
5	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	1
6	85949-04	FIT ~ TEST PORT QD CAP 3/8	1
7	90768-04	FIT * CONNECTOR 6 JIC 45 DEG. SW.	1

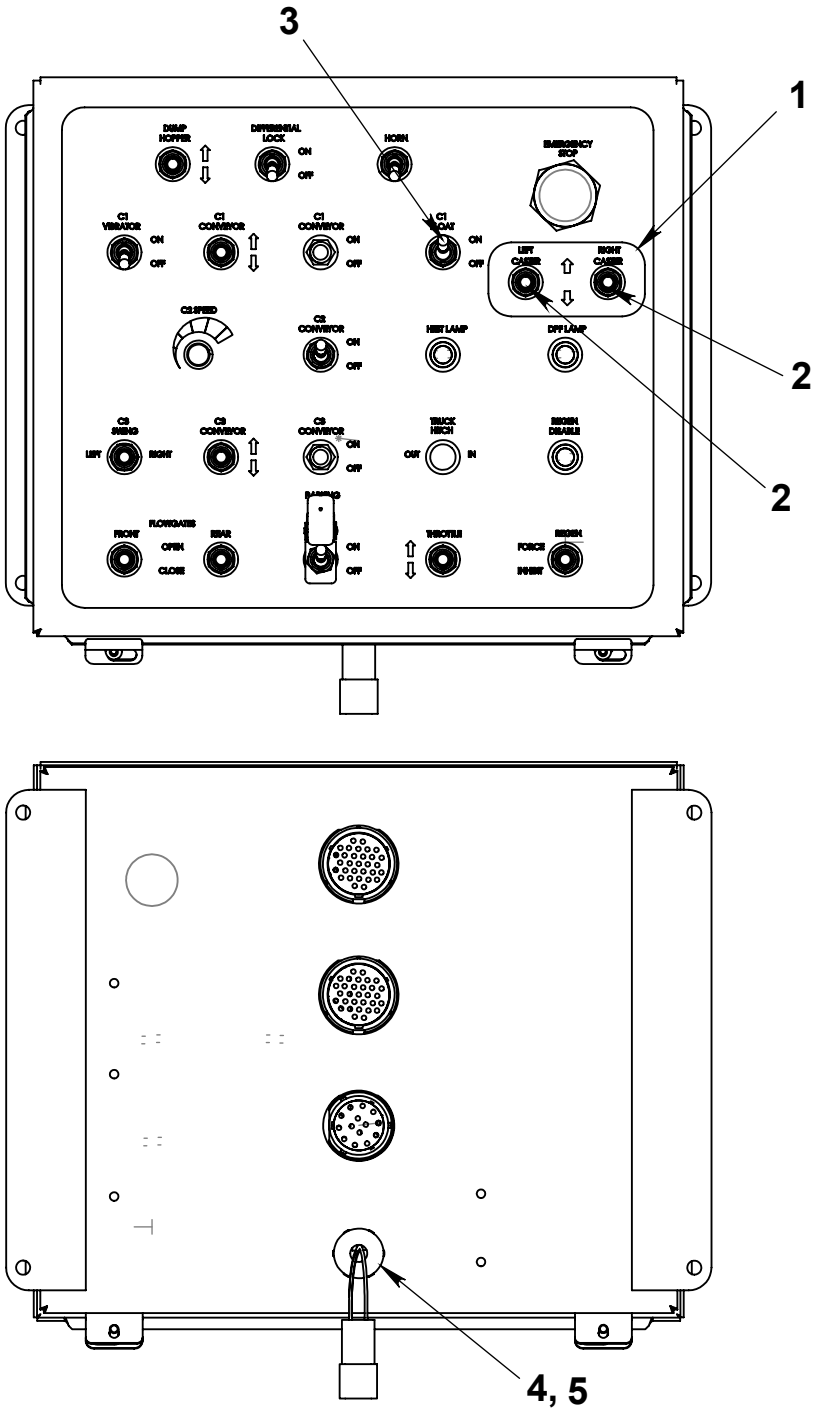
SB-2500E WINDROW ELECTRICAL ASSY.
(239164-01)

ITEM	PART #	DESCRIPTION	QTY
1	239142-01	STEERING BOX WINDROW CASTER	1
2	239143-01	RIGHT HAND C1 CONTROL BOX WINDROW CASTER	1
3	239144-01	LEFT HAND C1 CONTROL BOX WINDROW CASTER	1
4	239163-04	WIRE HARNESS KIT ~ WINDROW CASTER	1
5	221613-04	ELECTRICAL SCHEMATIC ~ WINDROW CASTER	1



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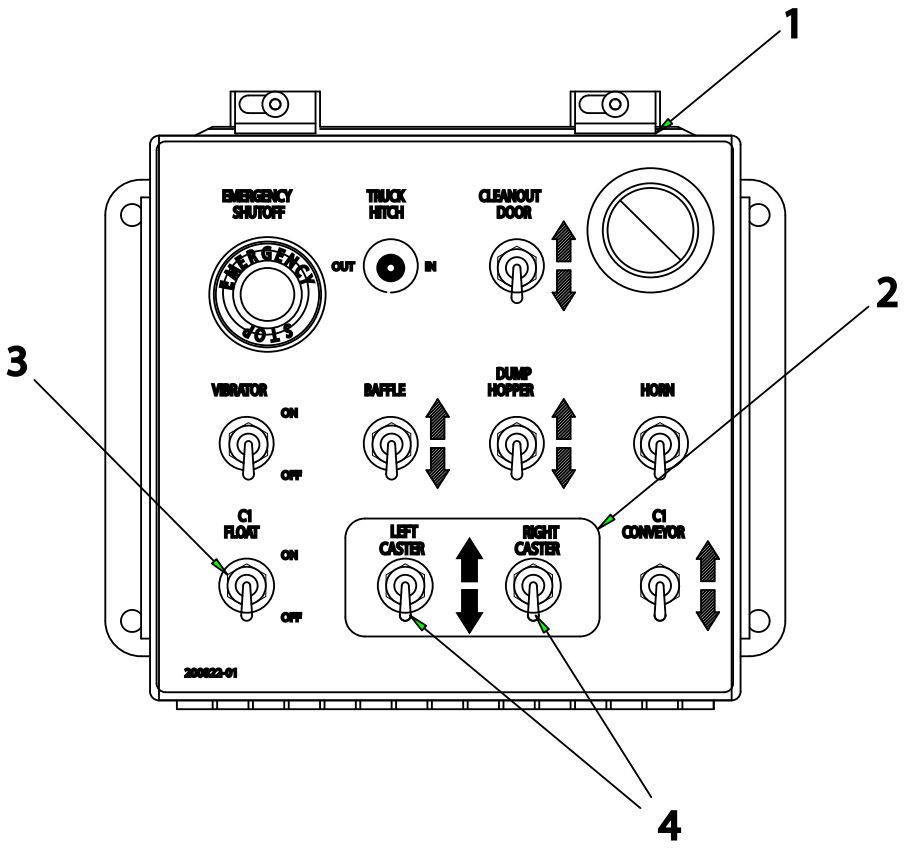
ASSY.-WINDROW STEERING BOX
(239142-01)

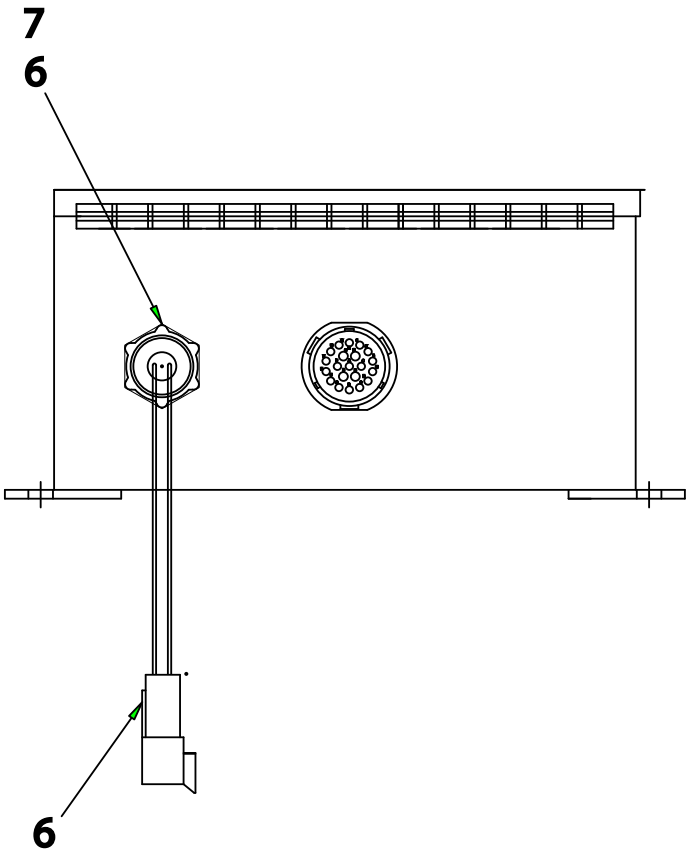


ITEM #	PART #	DESCRIPTION	QTY.
1	239156-04	DATA PLATE ~ WINDROW CASTER OPTION	1
2	139471	SWITCH * TOGGLE MOMENTARY SPRING SPDT	2
3	13E68	SWITCH * TOGGLE SP ST ON/OFF	1
4	80645-04	ELEC * CGB 193 CONNECTOR 1/2"	1
5	80643-04	NUT * 1/2" CONDUIT LOCKING	1

R.H. C1 CONTROL BOX (WINDROW)
(239143-01)

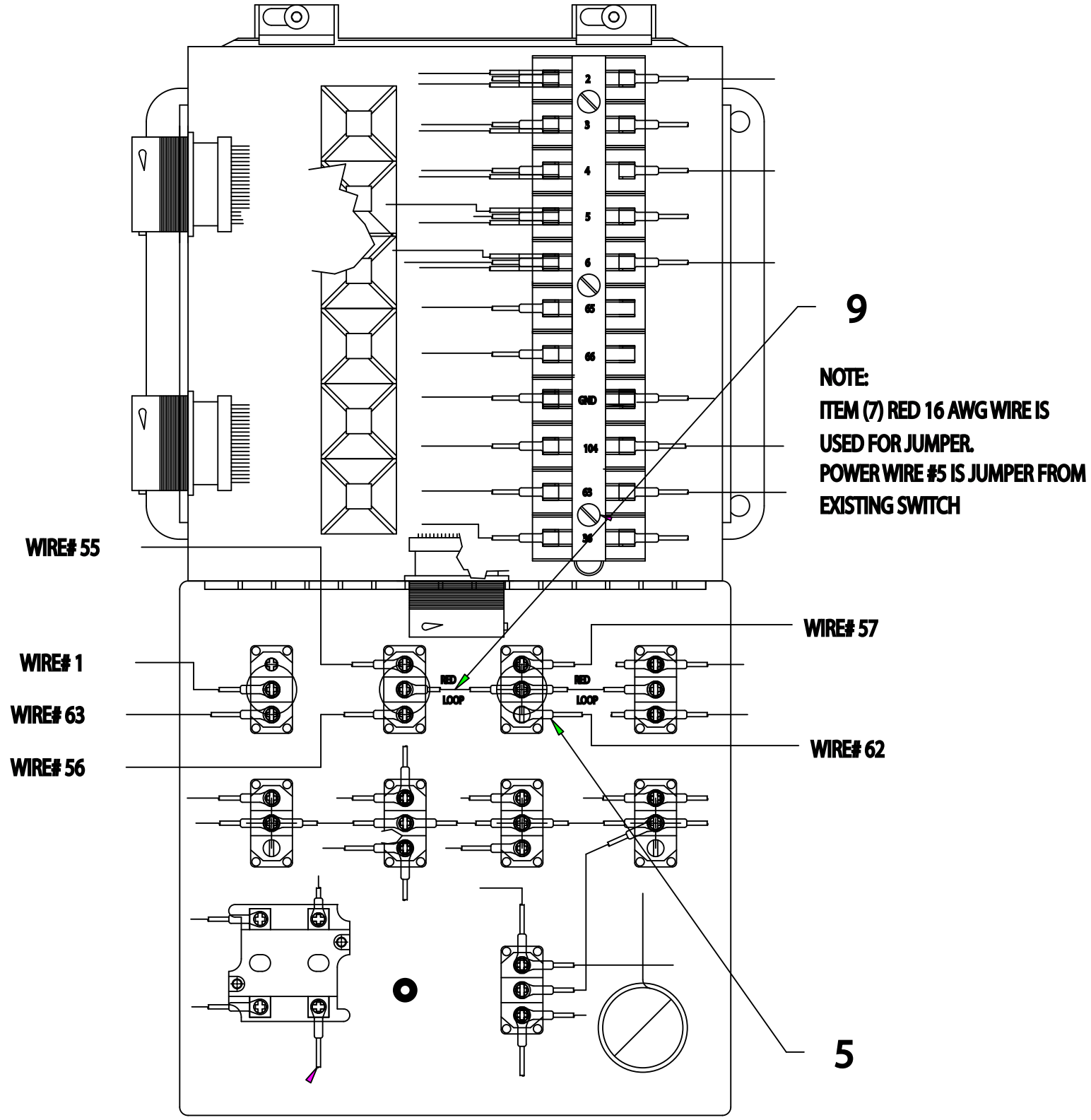
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R.H. C1 CONTROL BOX (WINDROW)
(239143-01)

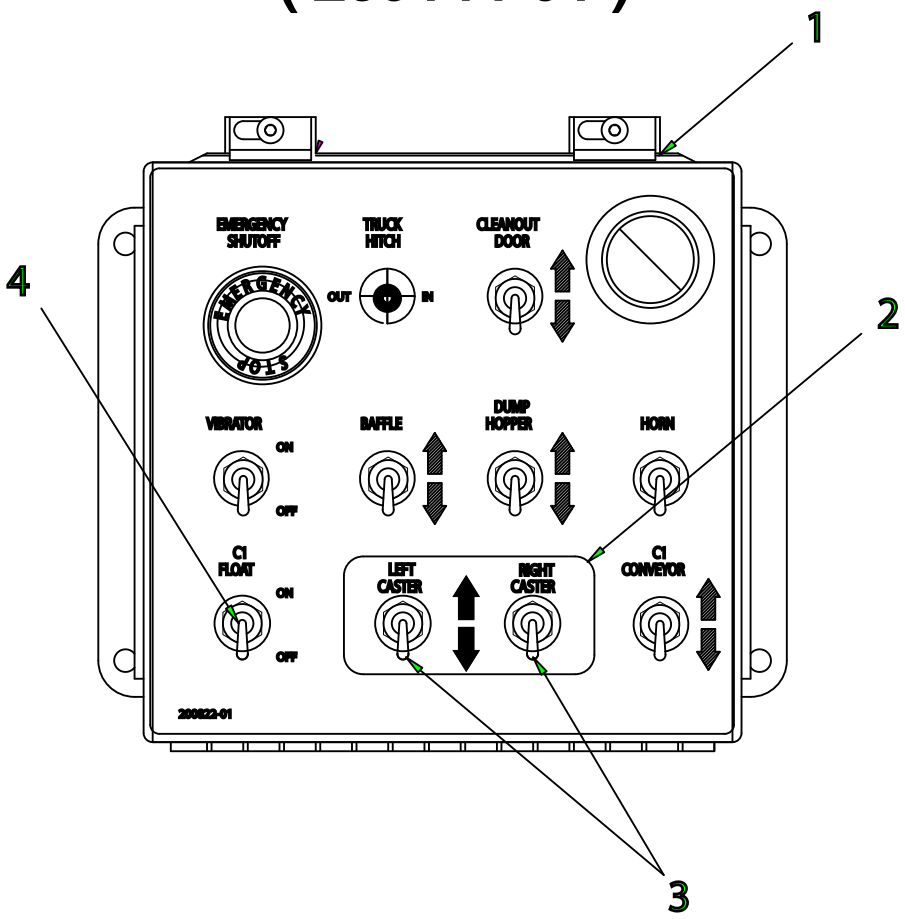


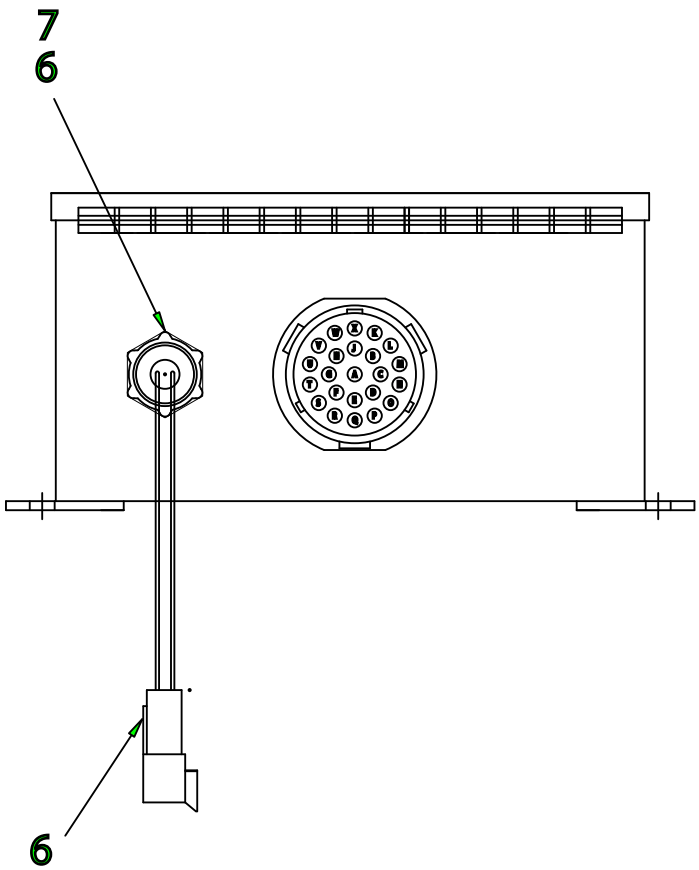
R.H. C1 CONTROL BOX (WINDROW)
(239143-01)

ITEM	IDENT	DESCRIPTION	QTY
1	238331-01	C1 CONTROL BOX RIGHT HAND	REF
2	239156-04	DATA PLATE ~ WINDROW CASTER OPTION	1
3	13E68	SWITCH ~ TOGGLE SP ST ON/OFF	1
4	139471	SWITCH ~ TOGGLE	2
5	93253	RING TERMINAL 16 AWG	7
6	80645-04	CGB 1/2" STRIGHT 193	1
7	80643-04	LOCK NUT 1/2"	1
8	216910-03	PIG TAIL ~ WINDROW CASTER OPTIONS	REF
9	95578R	WIRE ~ 16 AWG RED	12"

L.H. C1 CONTROL BOX ASSEMBLY
(239144-01)

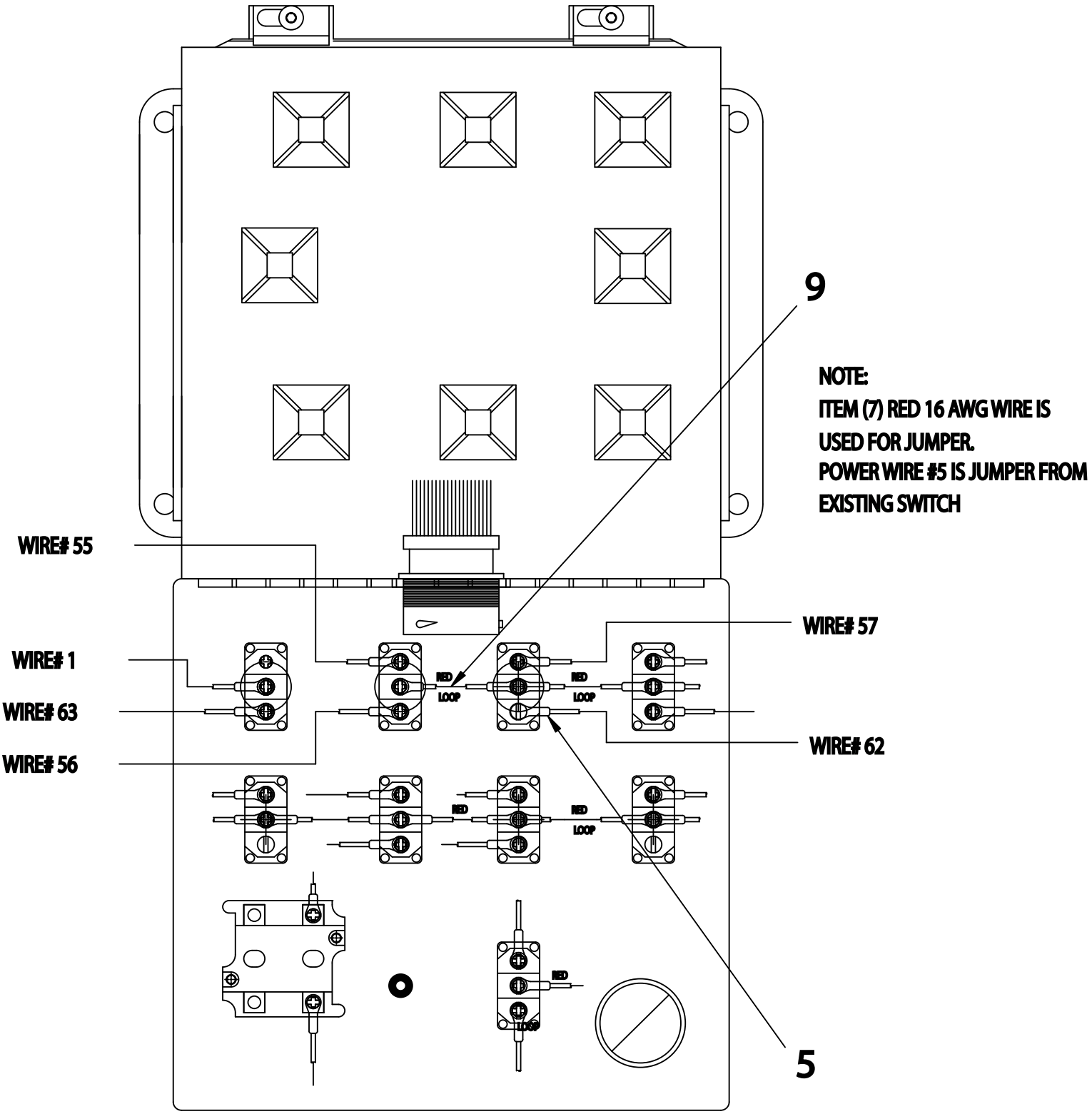
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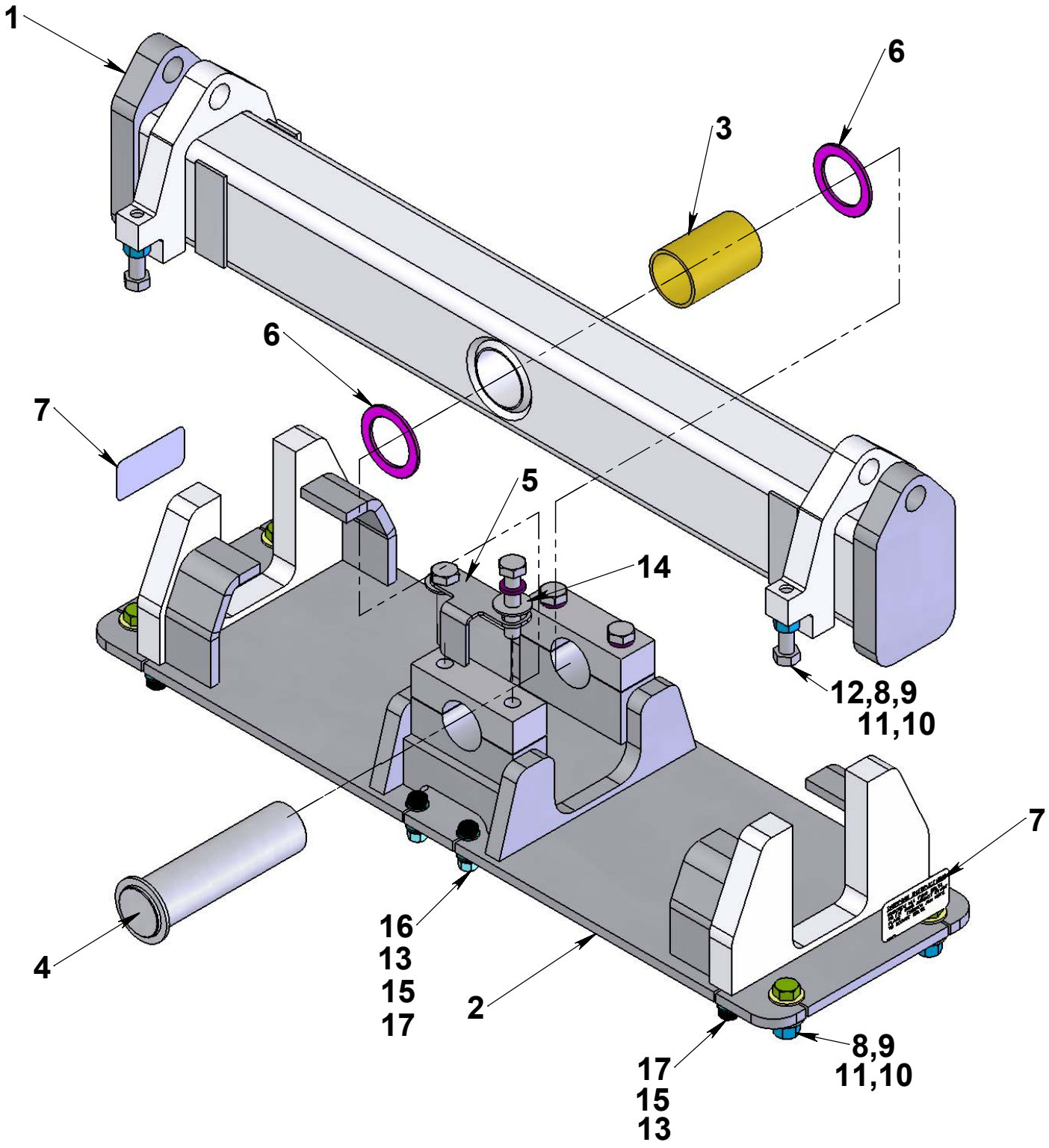
L.H. C1 CONTROL BOX ASSEMBLY
(239144-01)



L.H. C1 CONTROL BOX (WINDROW)
(239144-01)

	ITEM	IDENT	DESCRIPTION	QTY
	1	238332-01	LEFT HAND C1 CONTROL BOX ASSY	REF
	2	239156-04	DATA PLATE ~ WINDROW CASTER OPTION	1
	3	139471	SWITCH ~ TOGGLE	2
	4	13E68	SWITCH ~ TOGGLE SP ST ON/OFF	1
	5	93253	RING TERMINAL 16 AWG	7
	6	80645-04	CGB 1/2" STRIGHT 193	1
	7	80643-04	LOCK NUT 1/2"	1
	8	216910-03	PIG TAIL ~ WINDROW CASTER OPTION	REF
	9	95578R	WIRE ~ 16 AWG RED	12"

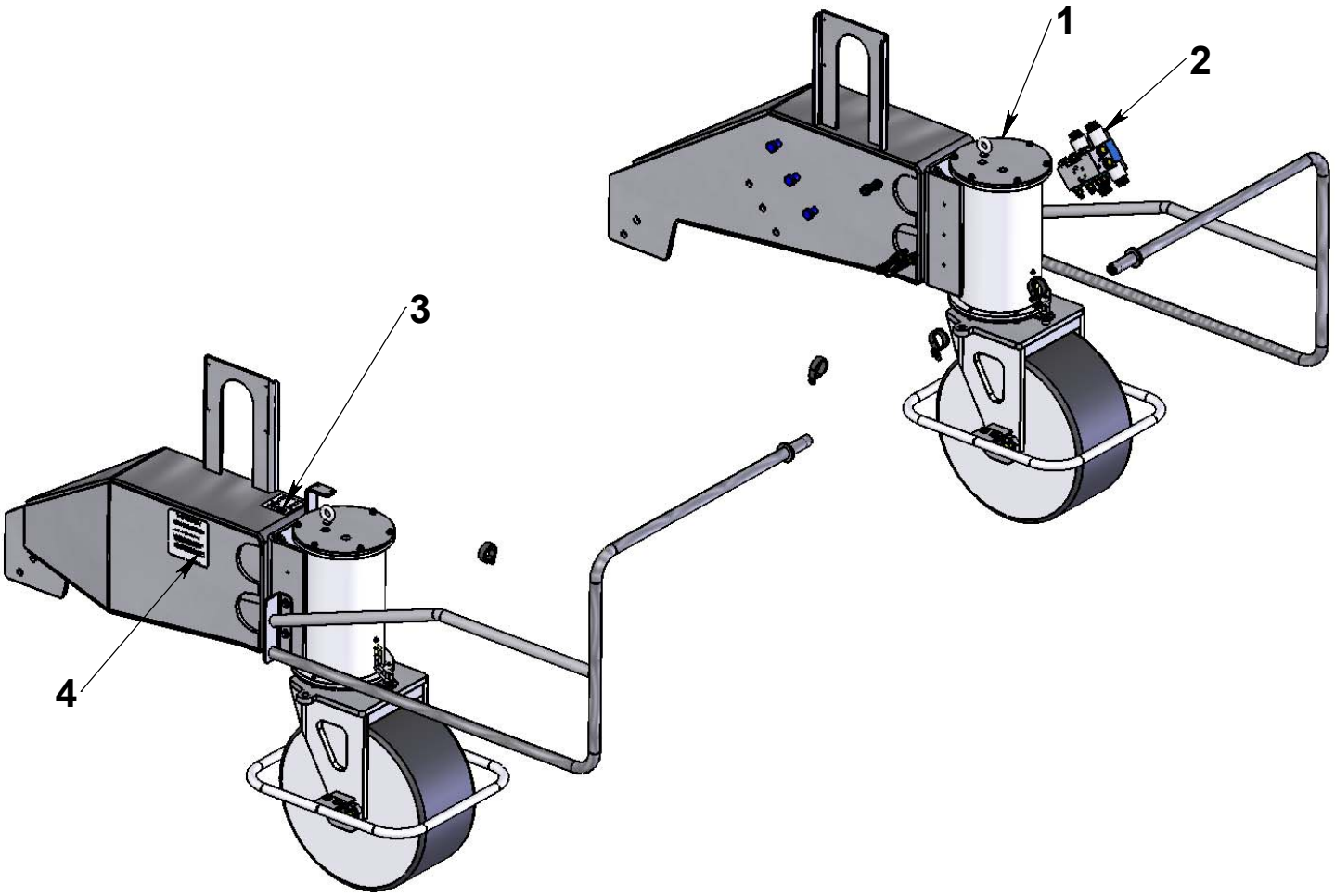
ASSEMBLY-WINDROW PIVOT 2500E T4
(236989-01)



ASSEMBLY-WINDROW PIVOT 2500E T4 (236989-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	236991-01	WELDMENT-WINDROW PIVOT TUBE 2500E	1
2	238894-01	WLDT-C1 WINDROW PIVOT BASE 2500E	1
3	200682	BUSHING * DURALON	1
4	200854-03	WLDT/MACH- SWIVEL PIVOT PIN	1
5	147427-03	PIVOT PIN RETAINER	1
6	214527-04	WASHER * THRUST	2
7	200932-03	DECAL* WINDROW SHIPPING	2
8	98453	NUT * HEX 1"-8 UNC GRADE 8	8
9	97316	BOLT * HEX 1"-8 X 3"	4
10	10S89	WASHER ~ FLAT 1" A325	8
11	83427	WASHER ~ LOCK 1" SPRING STEEL	4
12	96511	BOLT * HEX 1"-8 X 4 1/2" FULL THR.	4
13	95937	WASHER * FLAT 3/4" HARD	11
14	83376-04	FLAT WASHER * 1" STEEL	2
15	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	7
16	88164	NUT * 3/4"-10 TOP LOCK GRADE 8	4
17	95930	BOLT * HEX 3/4"-10 X 2 3/4"	7

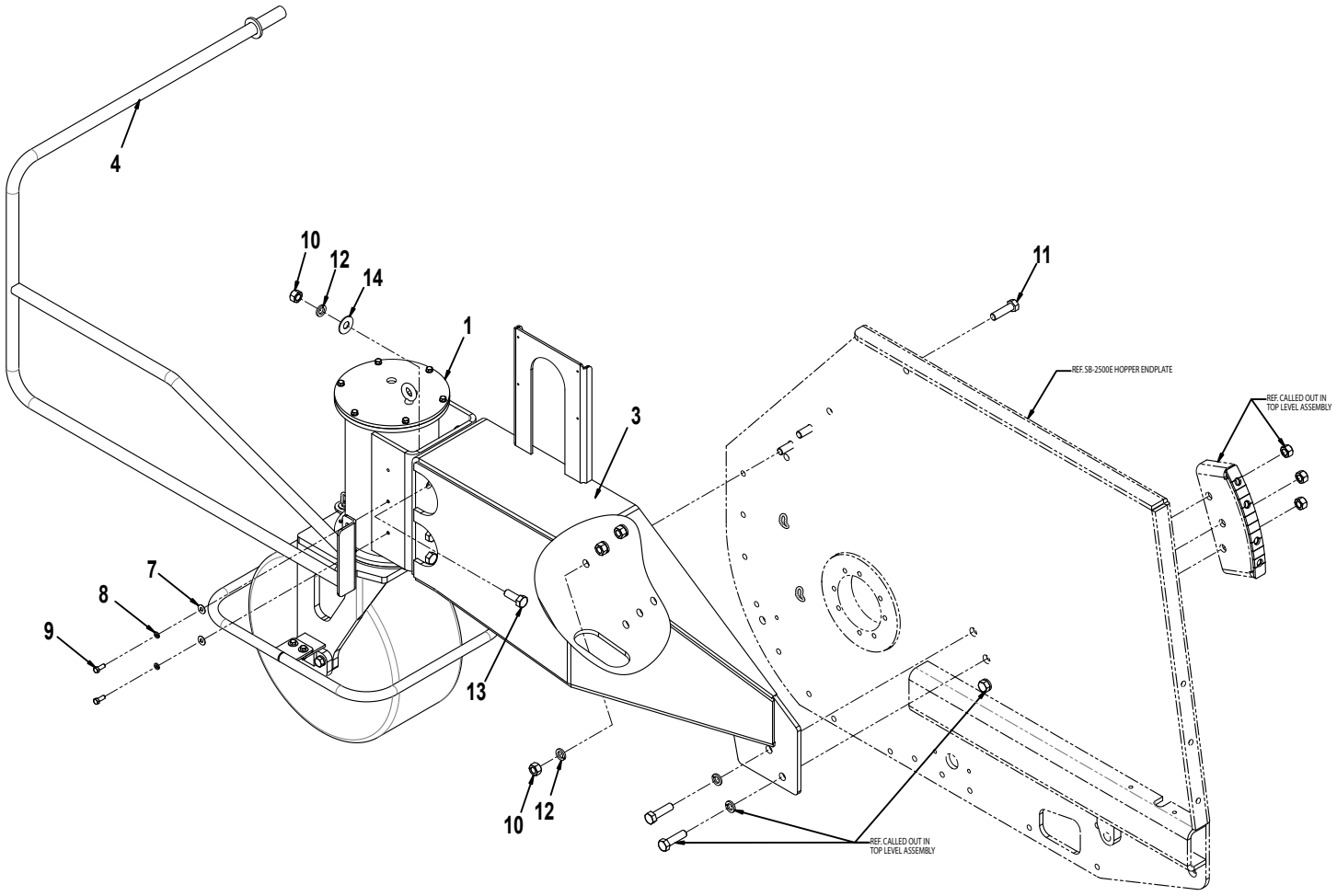
ASSY-WINDROW CASTERS & HYD 2500E (238884-04)



ITEM #	PART #	DESCRIPTION	Default/ QTY
1	235403-01	ASSY-WINDROW CASTERS 2500E T4	1
2	237140-01	ASSY-HYDRAULIC, WINDROW JACK 2500E	1
3	202958-03	DECAL * PICK-UP HEAD DOWN PRESS	1
4	202957-03	DECAL * WINDROW OPERATION	2

SB-2500E WINDROW CASTERS ASSY.
(235403-01)

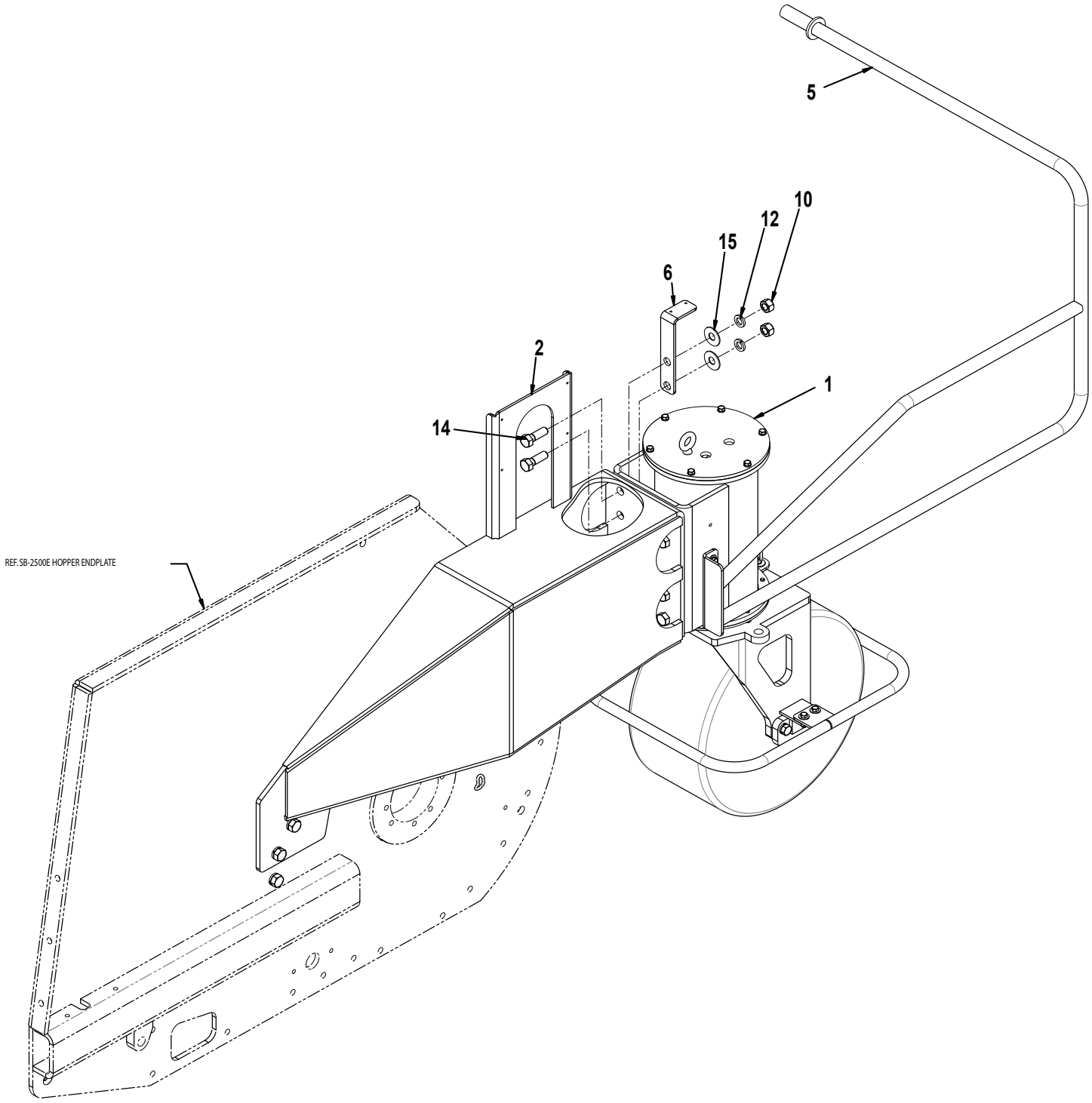
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R.H. ASSEMBLY

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SB-2500E WINDROW CASTERS ASSY.
(235403-01)



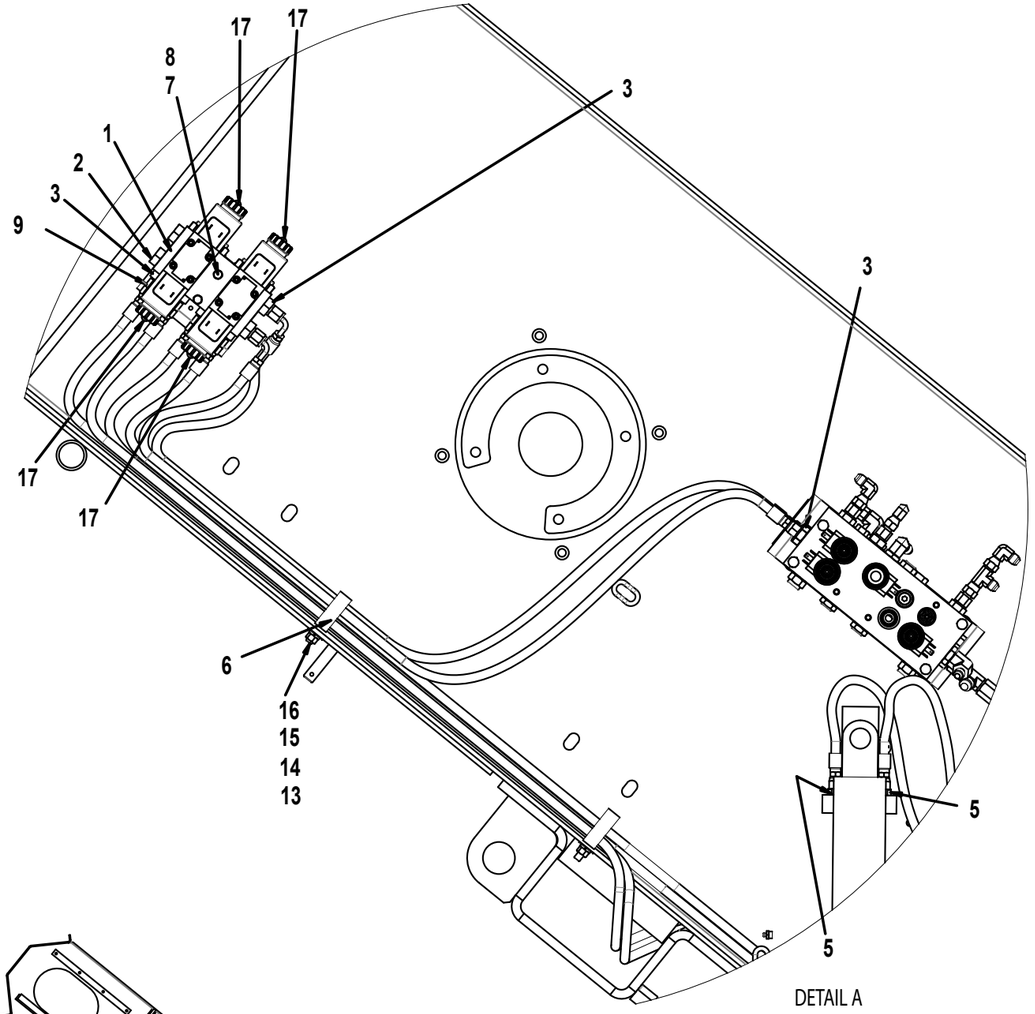
SB-2500E WINDROW CASTERS ASSY.
(235403-01)

ITEM #	PART #	DESCRIPTION	QTY.
1	216750-01	ASSY-CASTER JACK	2
2	216752-01	WELDMENT-JACK SUPPORT, LEFT	1
3	216708-01	WELDMENT-JACK SUPPORT RIGHT	1
4	235480-01	WLDT-RH WINDROW GUARDRAIL 2500E	1
5	235481-01	WLDT-LH WINDROW GUARDRAIL 2500E	1
6	224916-03	DETAIL-FLOAT CONTROL BRACKET	1
7	83757	WASHER ~ FLAT 3/8 STEEL	4
8	83056	WASHER ~ LOCK 3/8 SPRING STEEL	4
9	84332	BOLT * HEX 3/8"-16 X 1"	4
10	84071-04	NUT * 3/4"-10 ASTM HEX 563 A GR.8	22
11	95930	BOLT * HEX 3/4"-10 X 2 3/4"	6
12	83752-04	WASHER ~ LOCK 3/4" SPRING STEEL	22
13	93071	BOLT ~ HEX 3/4"-10 x 2" LG.	14
14	93189	BOLT * HEX 3/4"-10 X 2 1/4"	2
15	83133	WASHER * FLAT 3/4" STEEL	16

SB-2500E WINDROW JACK HYDRAULIC ASSY.
(237140-01)

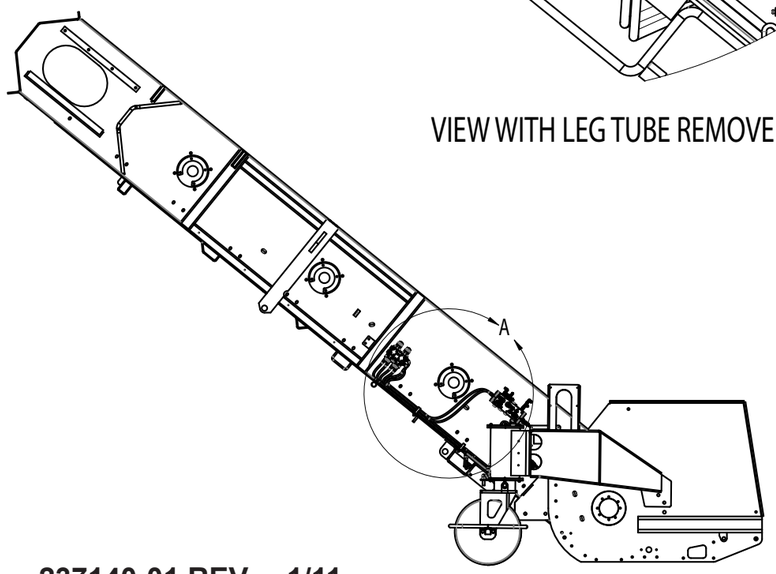
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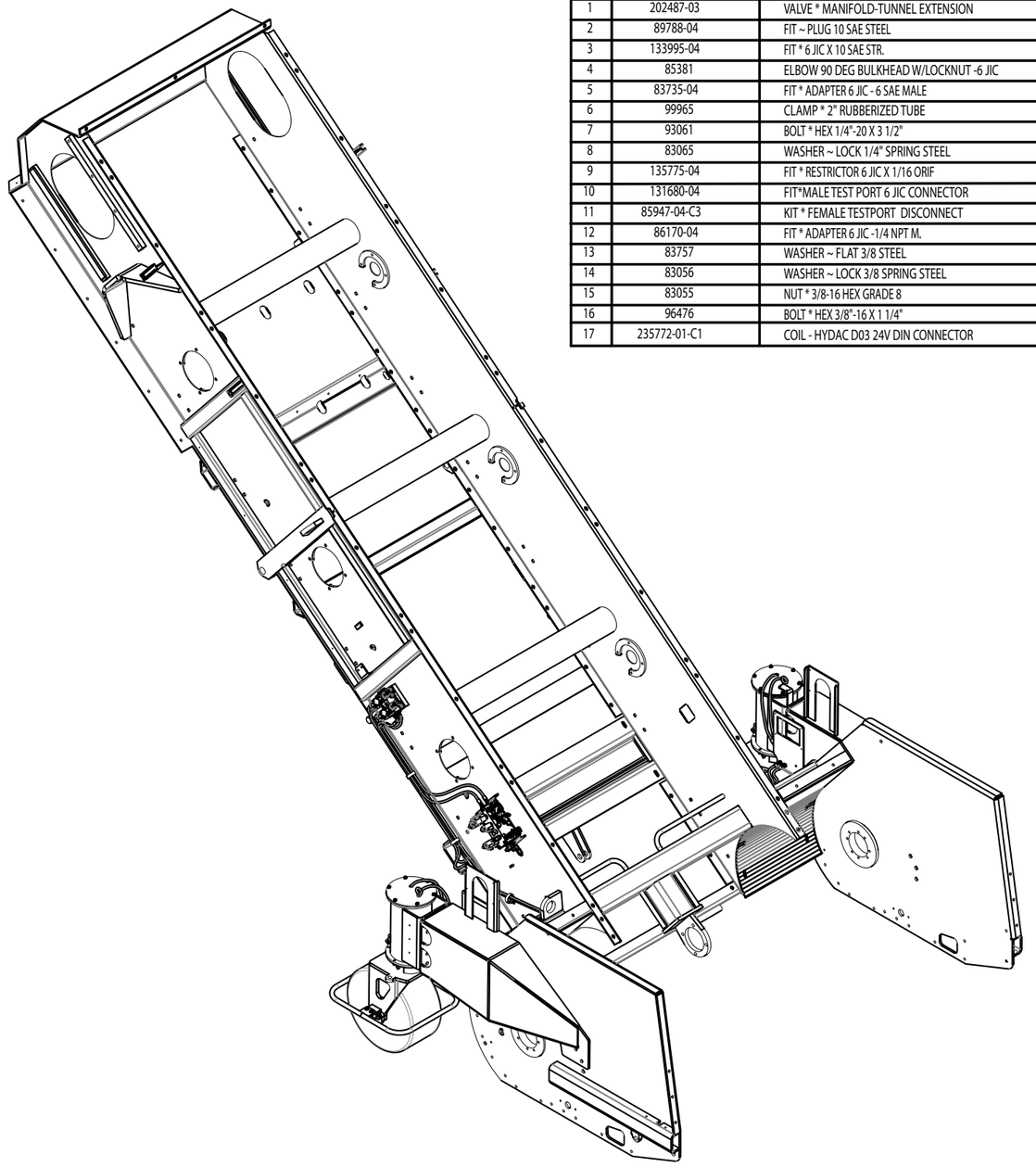
ITEM #	PART #	DESCRIPTION	QTY.
1	202487-03	VALVE * MANIFOLD-TUNNEL EXTENSION	1
2	89788-04	FIT ~ PLUG 10 SAE STEEL	2
3	133995-04	FIT * 6 JIC X 10 SAE STR.	8
4	85381	ELBOW 90 DEG BULKHEAD W/LOCKNUT -6 JIC	4
5	83735-04	FIT * ADAPTER 6 JIC - 6 SAE MALE	4
6	99965	CLAMP * 2" RUBBERIZED TUBE	4
7	93061	BOLT * HEX 1/4"-20 X 3 1/2"	2
8	83065	WASHER ~ LOCK 1/4" SPRING STEEL	2
9	135775-04	FIT * RESTRICTOR 6 JIC X 1/16 ORIF	4
10	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	4
11	85947-04-C3	KIT * FEMALE TESTPORT DISCONNECT	4
12	86170-04	FIT * ADAPTER 6 JIC -1/4 NPT M.	4
13	83757	WASHER ~ FLAT 3/8 STEEL	2
14	83056	WASHER ~ LOCK 3/8 SPRING STEEL	2
15	83055	NUT * 3/8-16 HEX GRADE 8	2
16	96476	BOLT * HEX 3/8"-16 X 1 1/4"	2
17	235772-01-C1	COIL - HYDAC D03 24V DIN CONNECTOR	4



DETAIL A

VIEW WITH LEG TUBE REMOVED FOR CLARITY

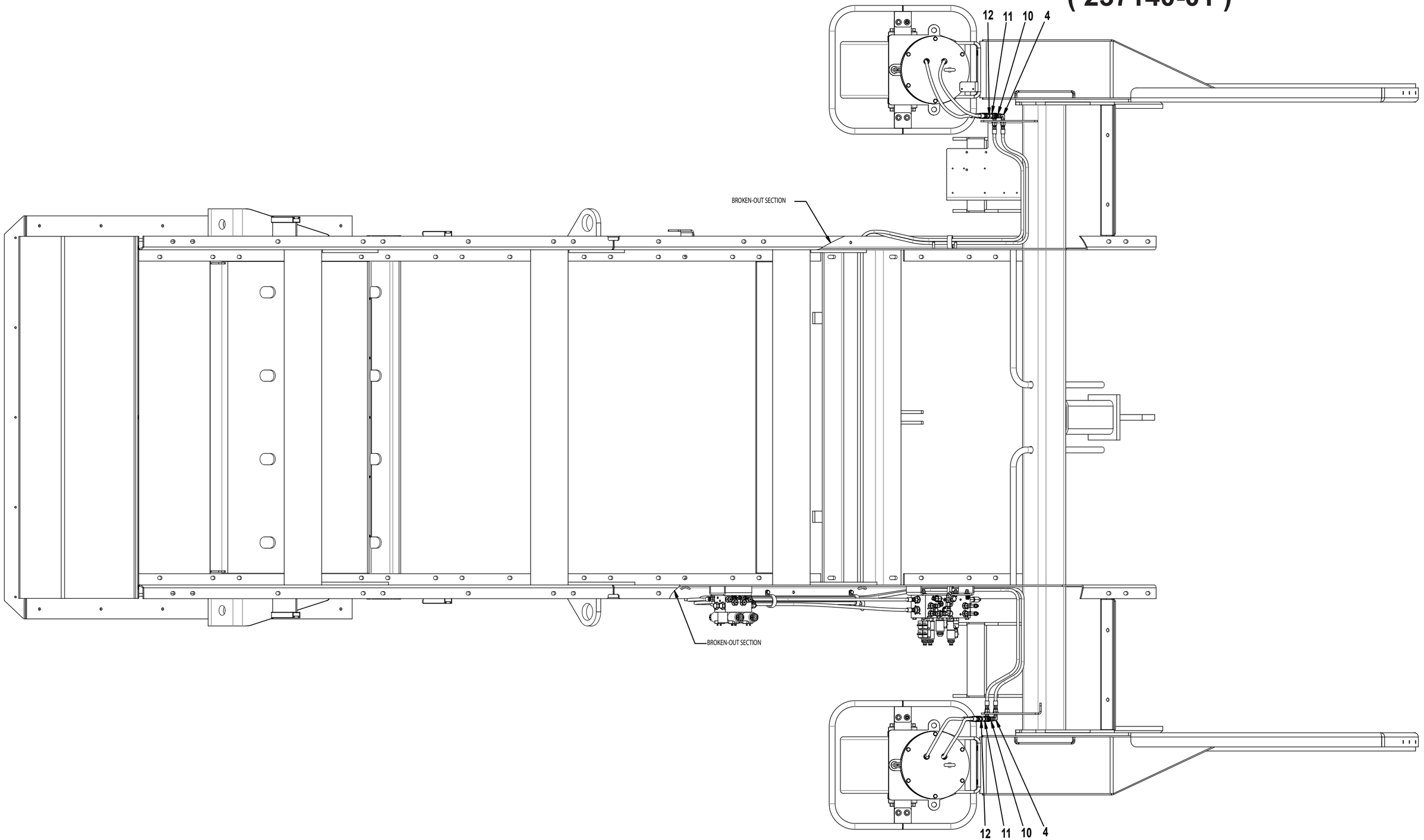




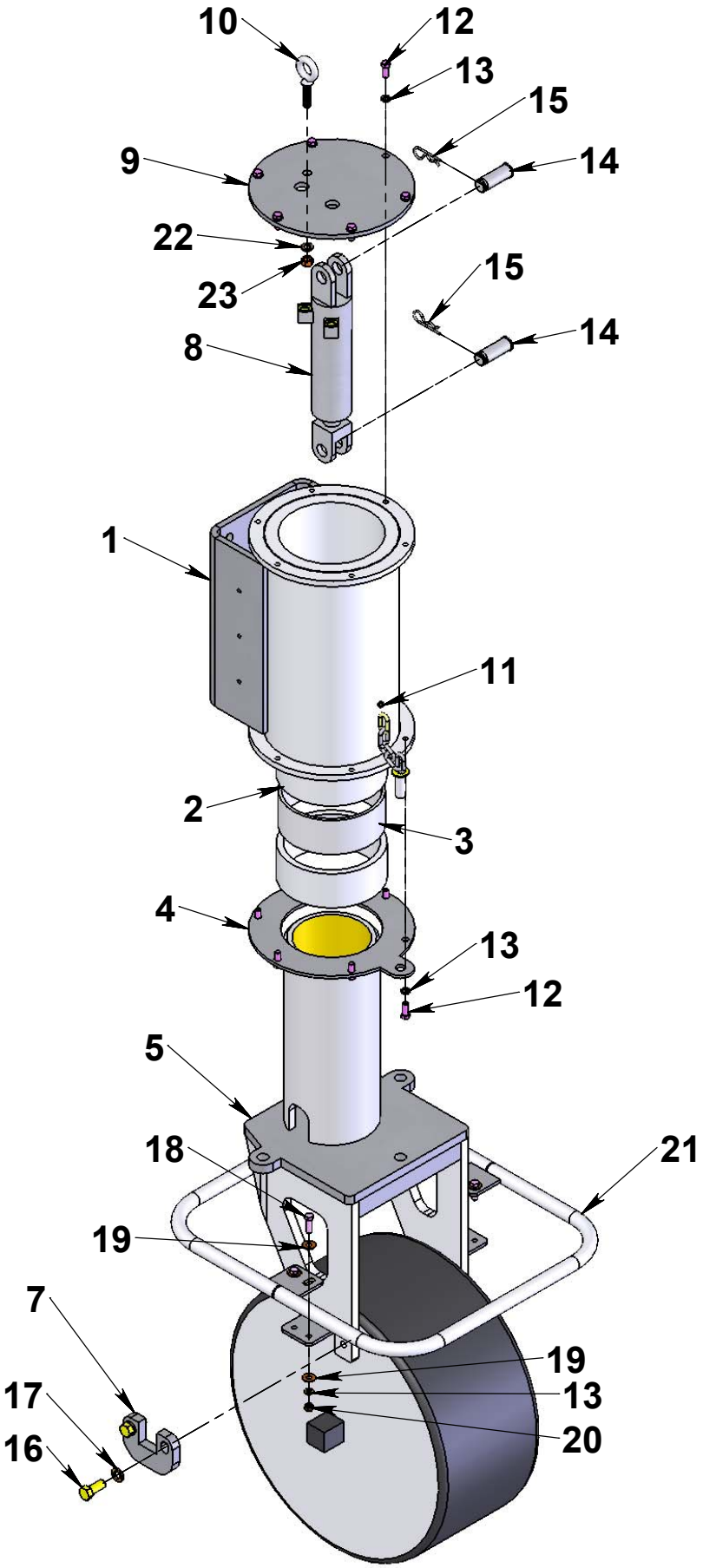
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PREVIOUS PAGE

SB-2500E WINDROW JACK HYDRAULIC ASSY.
(237140-01)



ASSY-CASTER JACK
(216750-01)

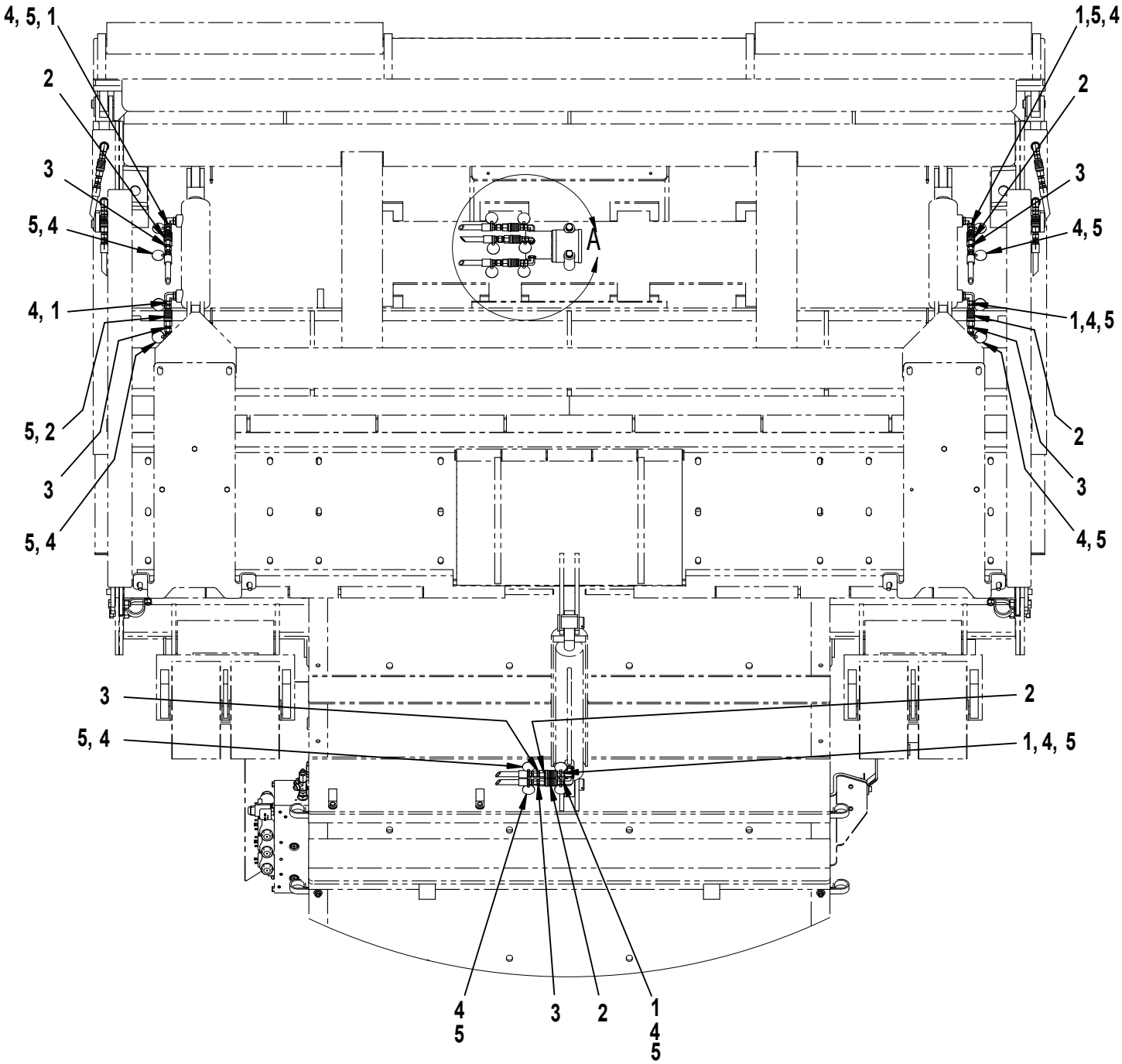


ASSY-CASTER JACK
(216750-01)

ITEM #	PART #	DESCRIPTION	Default/ QTY
1	135080-01	JACK TUBE WELDMENT	1
2	232229-03	JACK TUBE BUSHING	2
3	140205-03	DETAIL-WINDROW JACK TUBE SPACER	1
4	135082-03	BEARING RETAINER RING	1
5	135079-01	WINDROW CASTER YOKE WELDMENT	1
6	135078-04	WINDROW CASTOR WHEEL * 10 X 22	1
7	135075-04	DETAIL-WINDROW CASTER WHEEL KEEPER	2
8	135016-03	CYL * 2 1/2" BORE X 5" STROKE	1
9	135081-01	TOP PLATE WELDMENT	1
10	135095-04	EYEBOLT * 1/2-13 X 2"LG	1
11	83416	GREASE * NIPPLE 1/8" NPT	1
12	84332	BOLT * HEX 3/8"-16 X 1"	12
13	83056	WASHER ~ LOCK 3/8 SPRING STEEL	16
14	89032-04	CLEVIS PIN	2
15	07198	PIN * HITCH 2 5/8" SPRING TYPE	2
16	84778	HEX BOLT * 5/8-11 X 1 1/2 LG	4
17	84717	WASHER * LOCK 5/8" SPRING STEEL	4
18	96476	BOLT * HEX 3/8"-16 X 1 1/4"	4
19	83757	WASHER ~ FLAT 3/8 STEEL	8
20	83055	NUT * 3/8-16 HEX GRADE 8	4
21	137177-01	WINDROW CASTER GUARD WELDMENT	1
22	83317	WASHER * LOCK 1/2" SPRING STEEL	1
23	83288	NUT * 1/2"-13 HEX GRADE 8	1

SB-2500E WINDROW QUICK-CONNECT HOSE ASSY.
(221713-02)

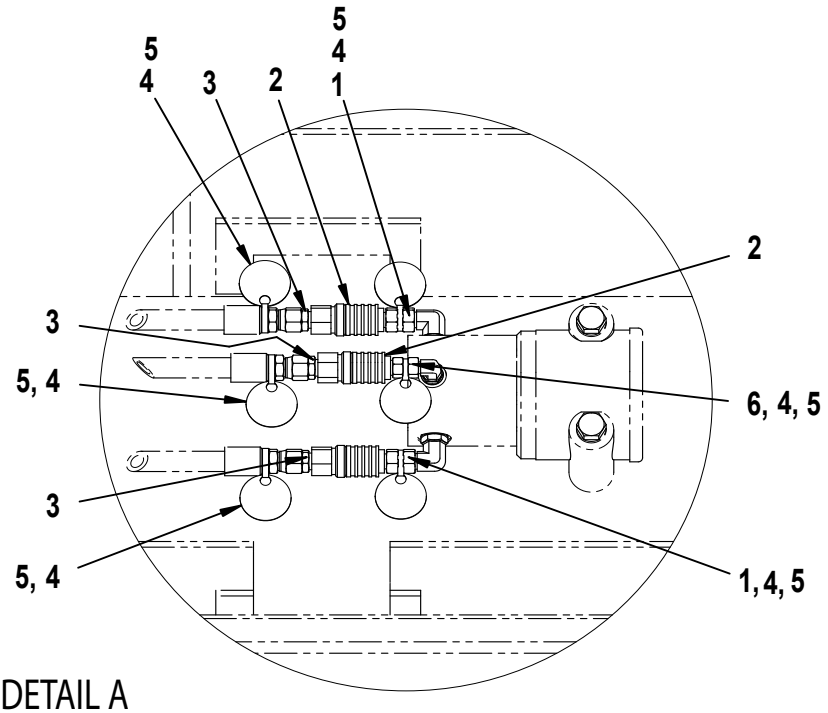
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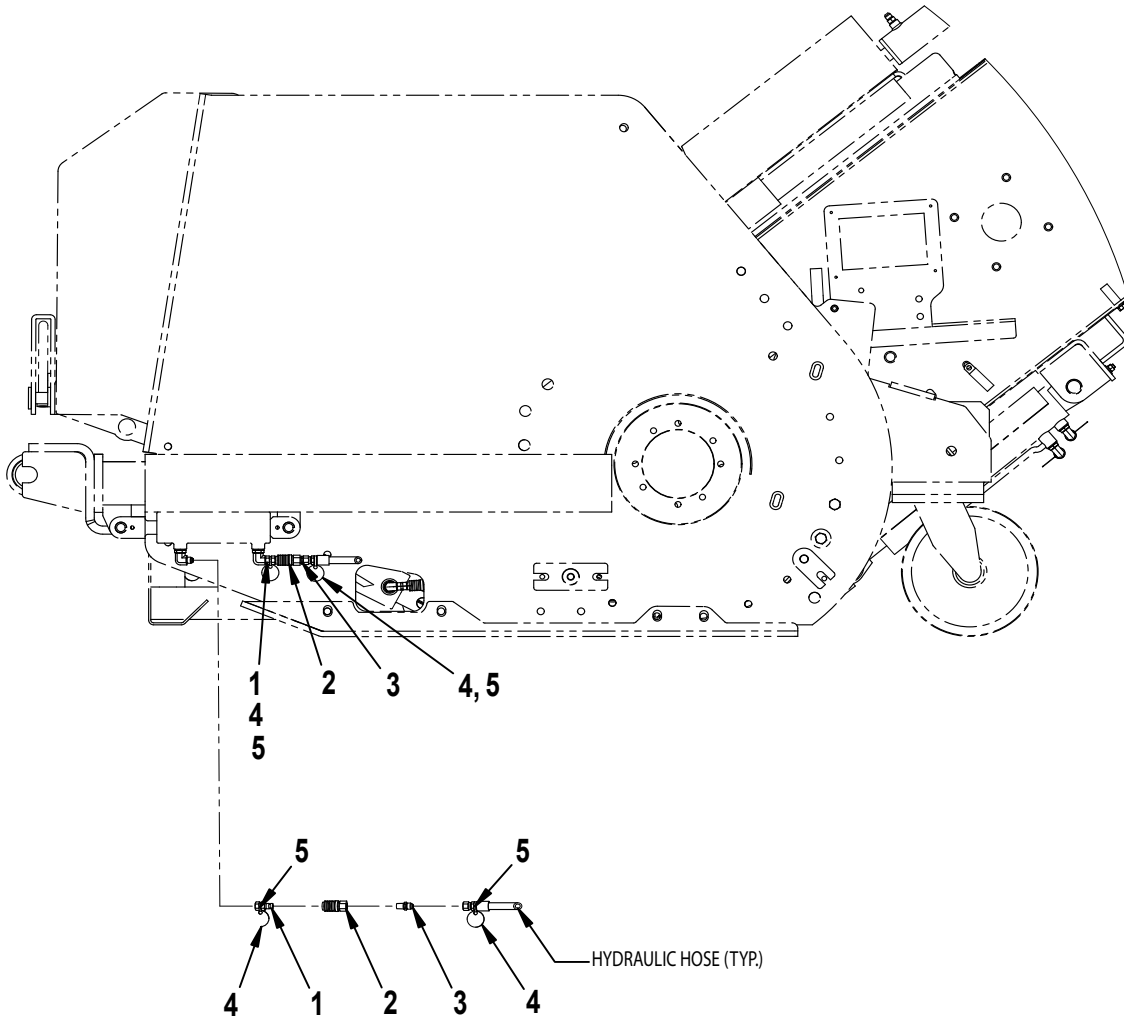
BOTTOM VIEW

SB-2500E WINDROW QUICK-CONNECT HOSE ASSY. (221713-02)

PREVIOUS PAGE



DETAIL A



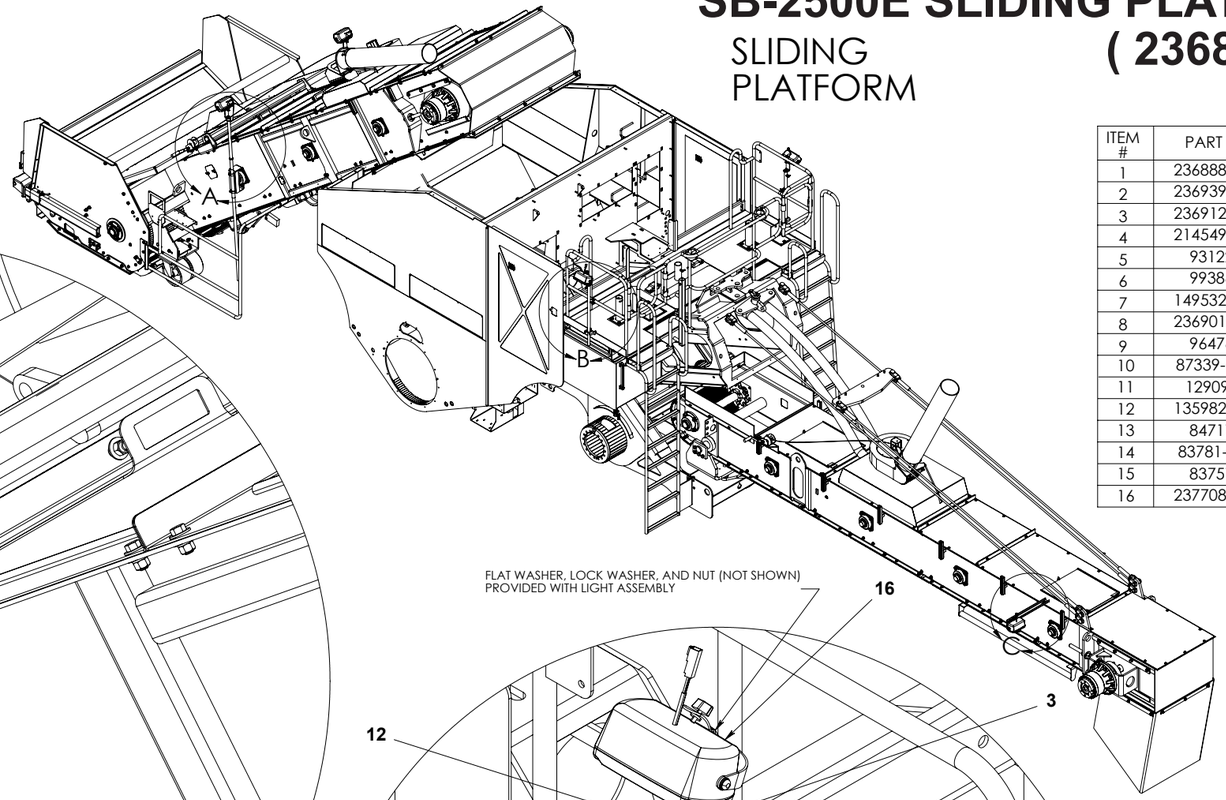
LEFT SIDE VIEW

WINDROW QUICK-CONNECT HOSE ASSY.
(221713-02)

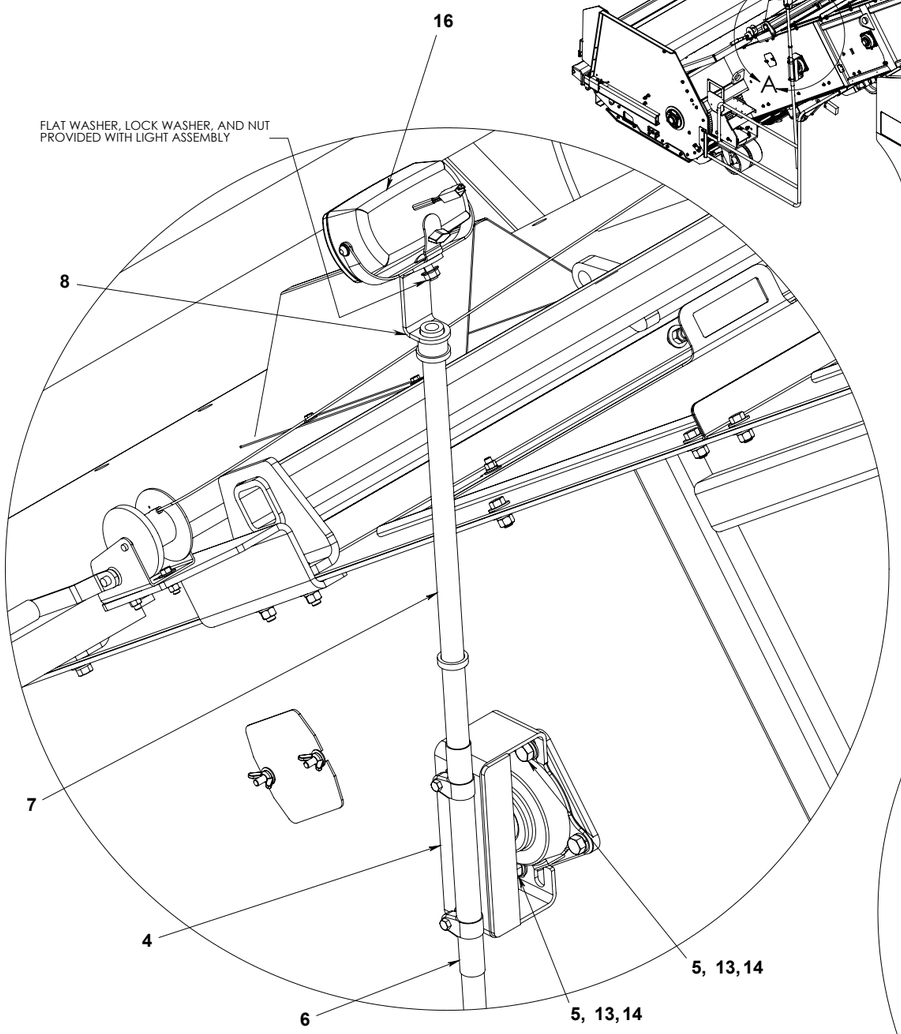
ITEM #	PART #	DESCRIPTION	QTY.
1	131680-04	FIT*MALE TEST PORT 6 JIC CONNECTOR	12
2	85947-04-C3	KIT * FEMALE TESTPORT DISCONNECT	13
3	86170-04	FIT * ADAPTER 6 JIC -1/4 NPT M.	13
4	212822-04	PART * 1 1/2" DIAMETER SS TAG	26
5	212821-04	PART * STAINLESS STEEL TIE	26
6	29J32	FIT * 4 JIC TEST PORT (TRIPLE LOCK)	1

SB-2500E SLIDING PLATFORM PREM. LED LIGHTS (236885-01)

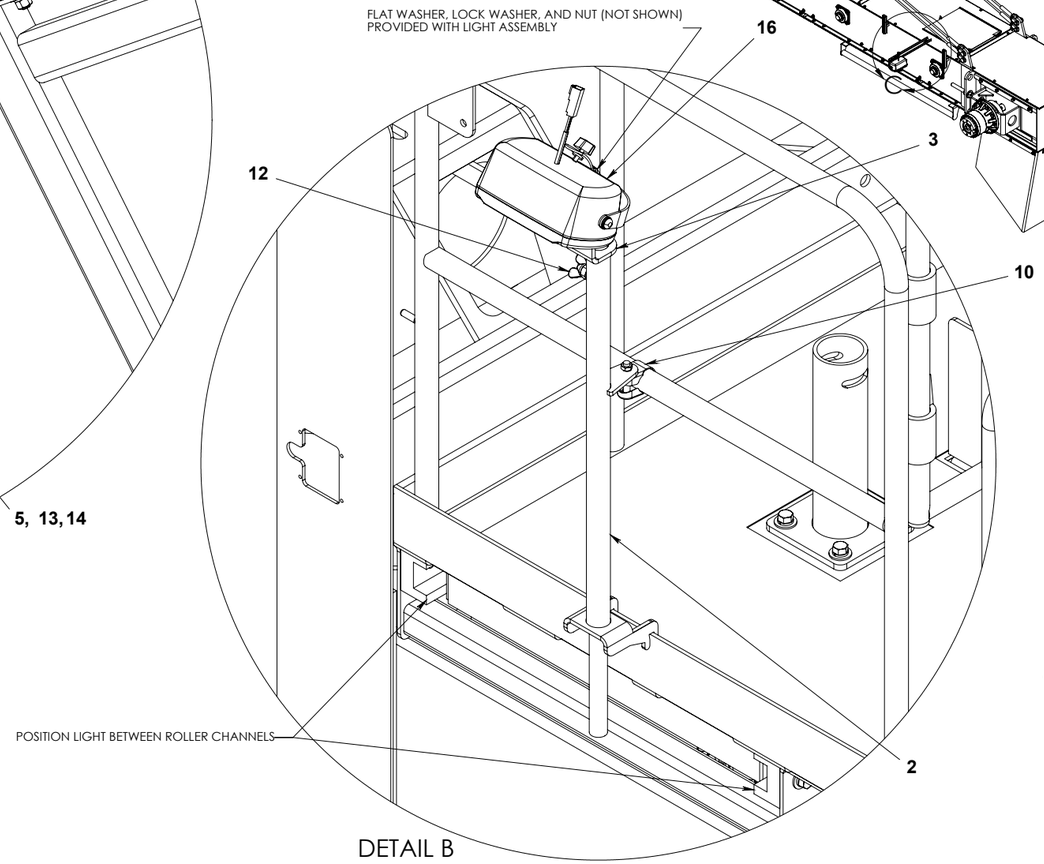
SLIDING PLATFORM



ITEM #	PART #	DESCRIPTION	QTY.
1	236888-03	DETAIL-C3 LED LIGHT MOUNT	1
2	236939-03	WLDT-SLIDING PLATFORM LIGHT MOUNT	2
3	236912-03	WELDMENT-PREMIUM LED RAIL TUBE	2
4	214549-02	C-1 LIGHT BRACKET WELDMENT	2
5	93122	BOLT * HEX 5/8"-11 X 2 1/4"	4
6	99386	UMBRELLA * UNIVERSAL BRACKET	2
7	149532-04	WELDMENT-C-1 LIGHT MOUNT TUBE	2
8	236901-03	WELDMENT-PREMIUM LED POLE BRKT	2
9	96476	BOLT * HEX 3/8"-16 X 1 1/4"	1
10	87339-C3	KIT*CLAMP 1"(INCL.3/8"2.5"CAR.BOLT)	2
11	129097	NUT * WING 3/8-16	1
12	135982-04	BOLT * WING 1/2-13 X 1 GD.8	2
13	84717	WASHER * LOCK 5/8" SPRING STEEL	2
14	83781-04	WASHER * FLAT 1/2" STEEL	4
15	83757	WASHER ~ FLAT 3/8 STEEL	2
16	237708-04	LIGHT MODIFICATION ~ 12-24 VOLT LED	5

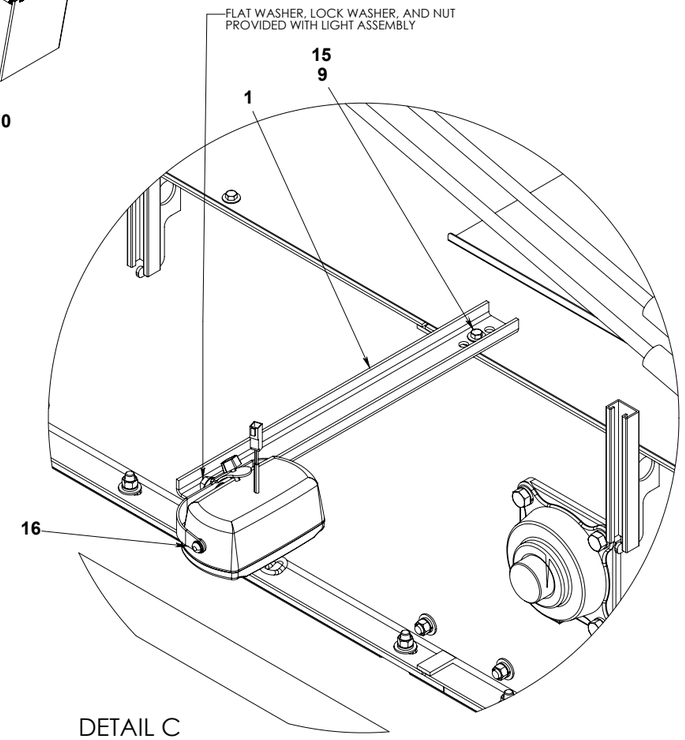


DETAIL A
INSTALL ON LEFT AND RIGHT SIDE.



DETAIL B
INSTALL ON LEFT AND RIGHT SIDE.

THIS MOUNT FITS SLIDING PLATFORM ONLY



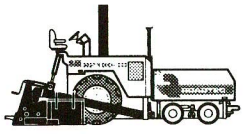
DETAIL C
INSTALL ON LEFT SIDE ONLY

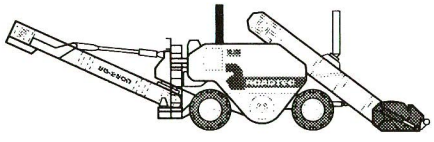
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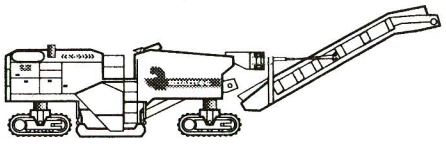
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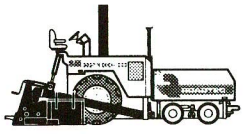
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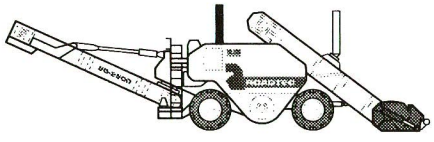
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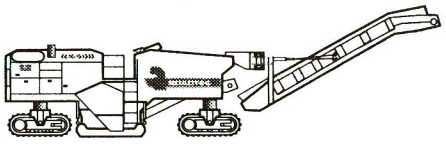
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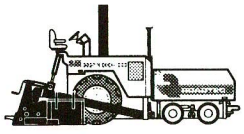
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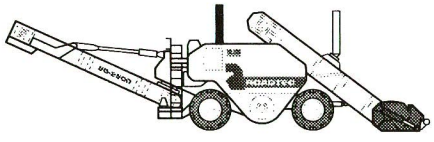
SECTION 8 : NOTES

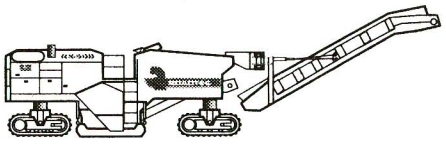
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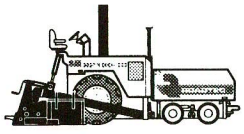
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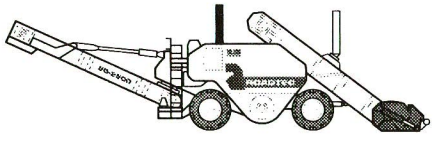
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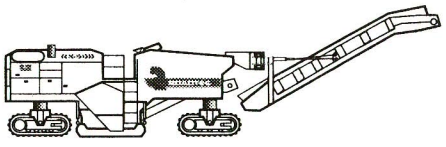
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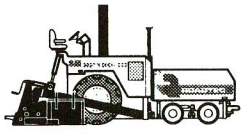
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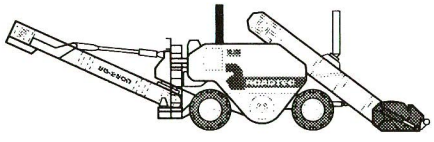
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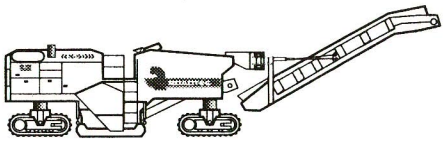
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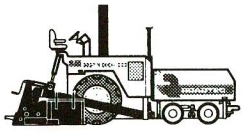
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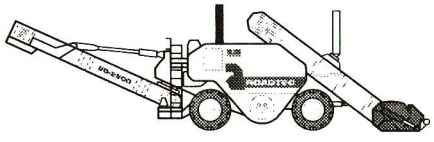
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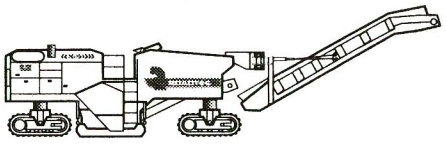
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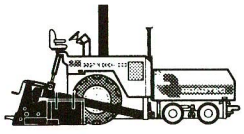
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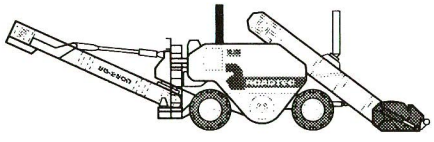
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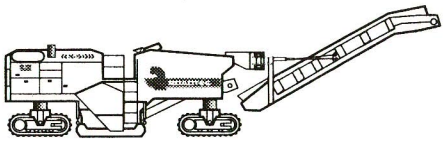
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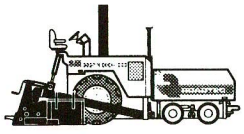
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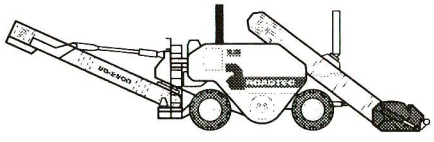
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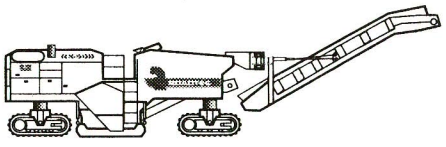
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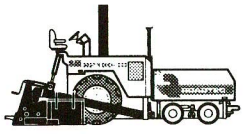
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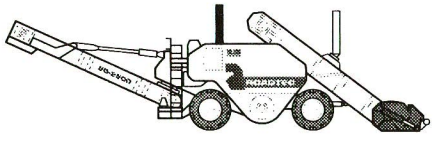
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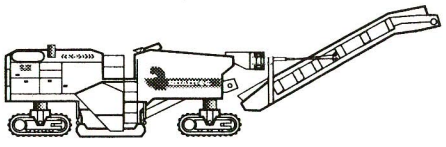
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