# ROADTEC SB-2500eX MATERIAL TRANSFER VEHICLE




# PARTS MANUAL

P.N. 243199- Rev.A
S/N. 2013 & UP
© ROADTEC, INC. 3/12

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.**

ROADTEC
an Astec Industries Company

**ROADTEC, INC.**
**Chattanooga, Tennessee**

# CALIFORNIA

**Proposition 65 Warning**

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

# GENERAL INFORMATION

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

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

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

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

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

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

**MACHINE RECORD**

**DATE PURCHASED** ____/____/____

| |
|---|
| **MACHINE MODEL:** |
| **SERIAL NO.:** |
| **CATALOG NO.:** |
| **ENGINE MAKE:** |
| **SERIAL NO.:** |
| **MODEL NO.:** |

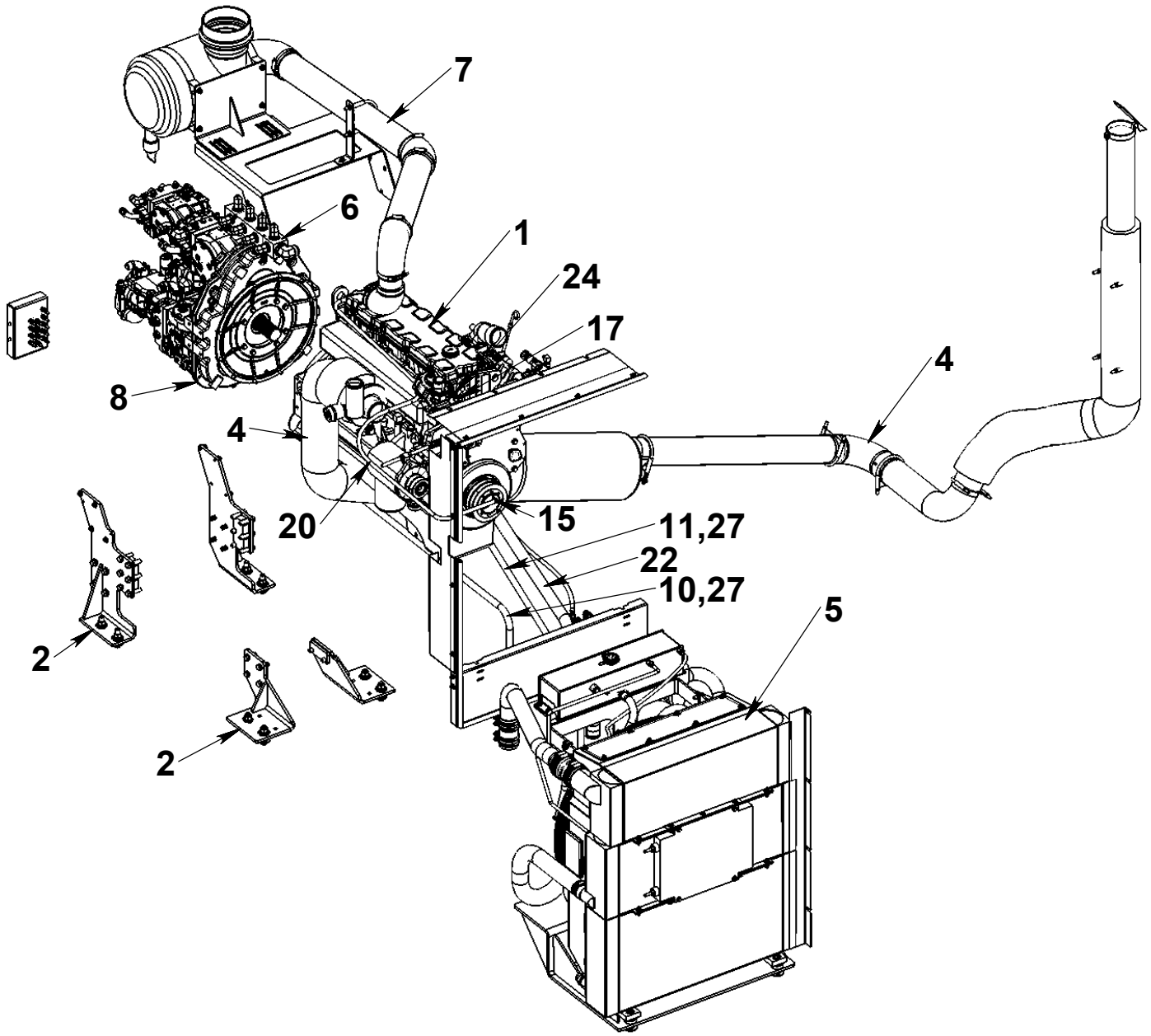
ROADTEC
an Astec Industries Company

# SECTION 1 : ENGINE


| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| ENGINE | 241276-01 | 2013 & UP | 1.1 |
| ENGINE MOUNTS | 241286-03 | | 1.5 |
| EXHAUST | 241396-01 | | 1.6 |
| CASE DRAIN RETURN | 243015-03 | | 1.7 |
| AIR INTAKE | 241350-01 | | 1.8 |
| PUMPS | 242295-01 | 2005 & UP | 1.9 |
| DURST PUMP DRIVE | 233864-03 | | 1.11 |
| DRIVE MODIFICATIONS | 242329-01 | | 1.14 |
| PUMP TEST PORT PANEL | 242325-03 | | 1.16 |
| C-1 & C-2 PUMP | 99814 | | 1.17 |
| C-3 PUMP | 233849-04 | | 1.19 |
| PROPEL PUMP | 233837-04 | | 1.21 |
| AUXILIARY PUMP | 217790-03 | | 1.23 |
| RADIATOR | 241453-01 | | 1.25 |
| FUEL/WATER SEPARATOR | 232396-03 | | 1.29 |

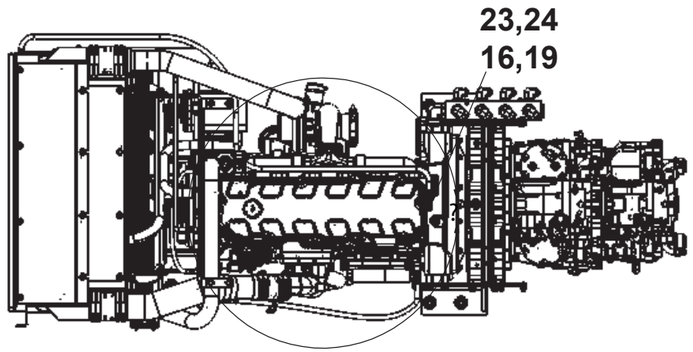
# ASSEMBLY- ENGINE T3 LRC CAT C9 (241276-01)

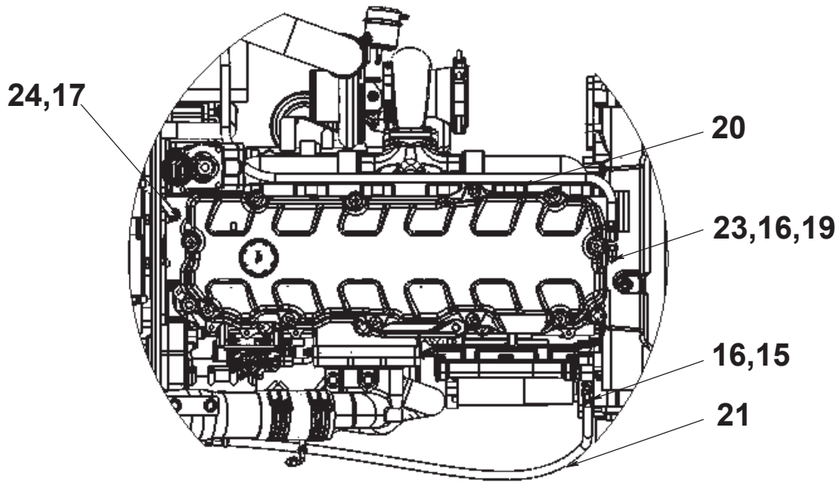
NEXT PAGE

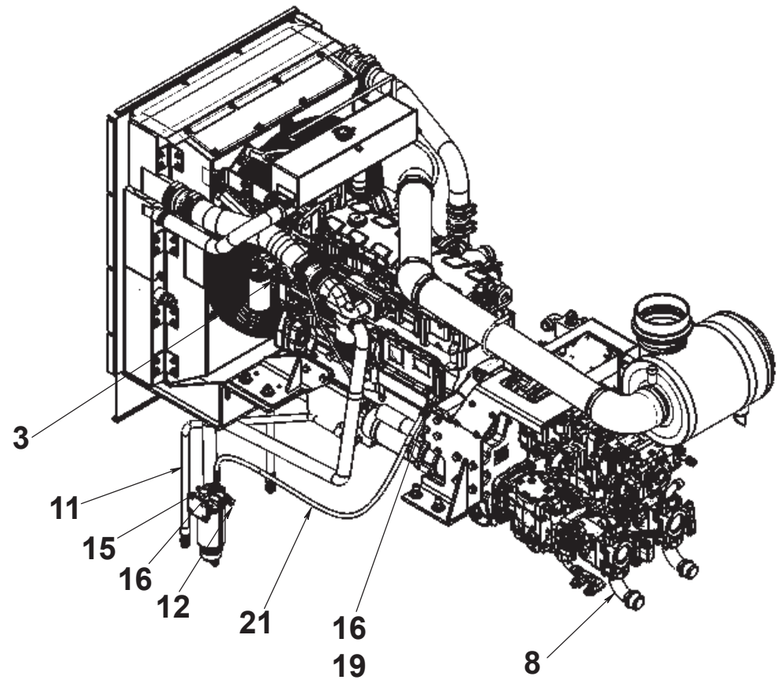


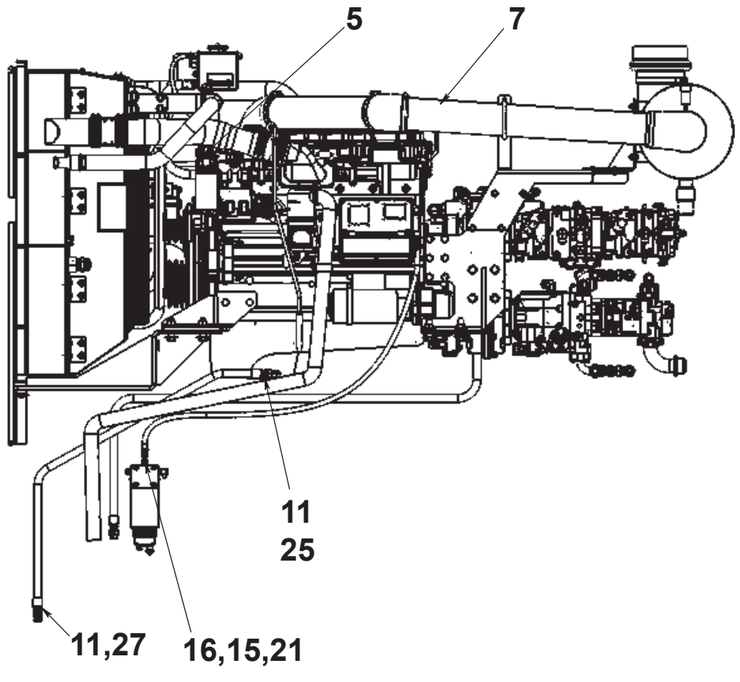
PREVIOUS PAGE

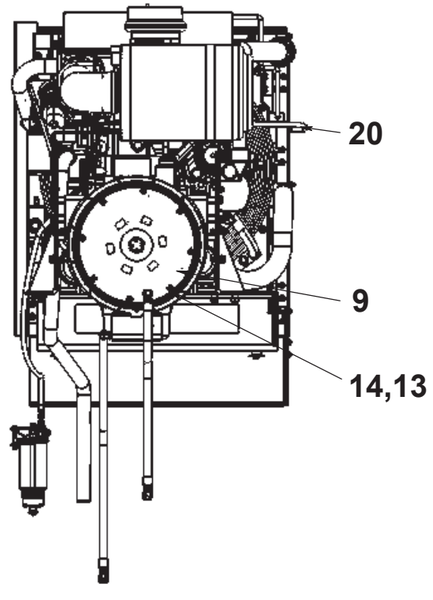
# ASSEMBLY- ENGINE T3 LRC CAT C9
# ( 241276-01 )

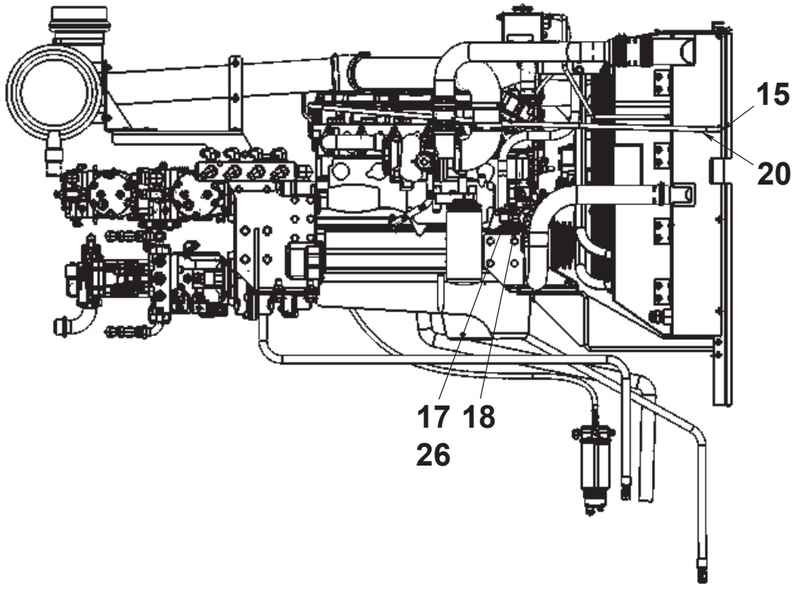


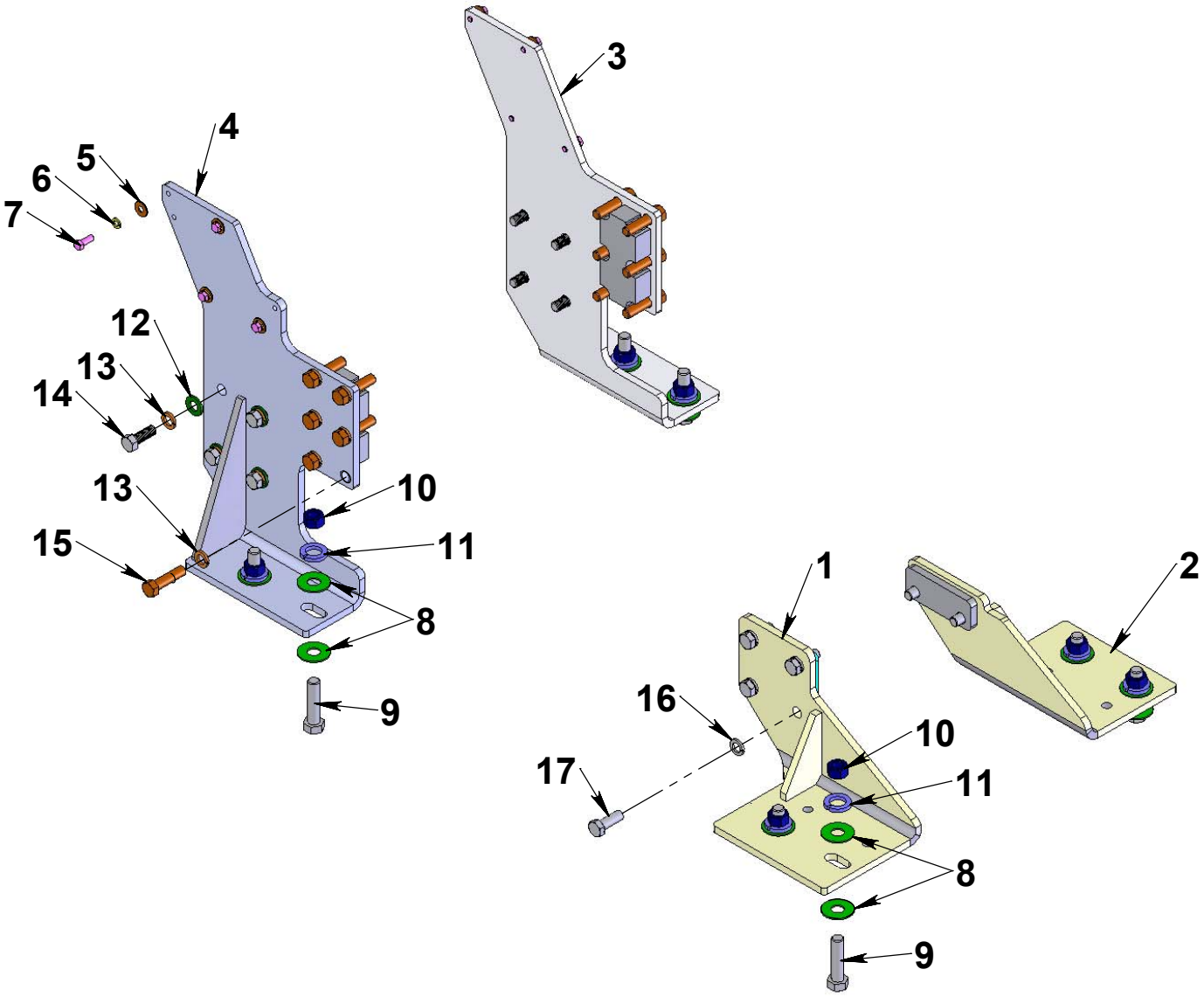



ROADTEC
an Astec Industries Company

# ASSEMBLY- ENGINE T3 LRC CAT C9 (241276-01)

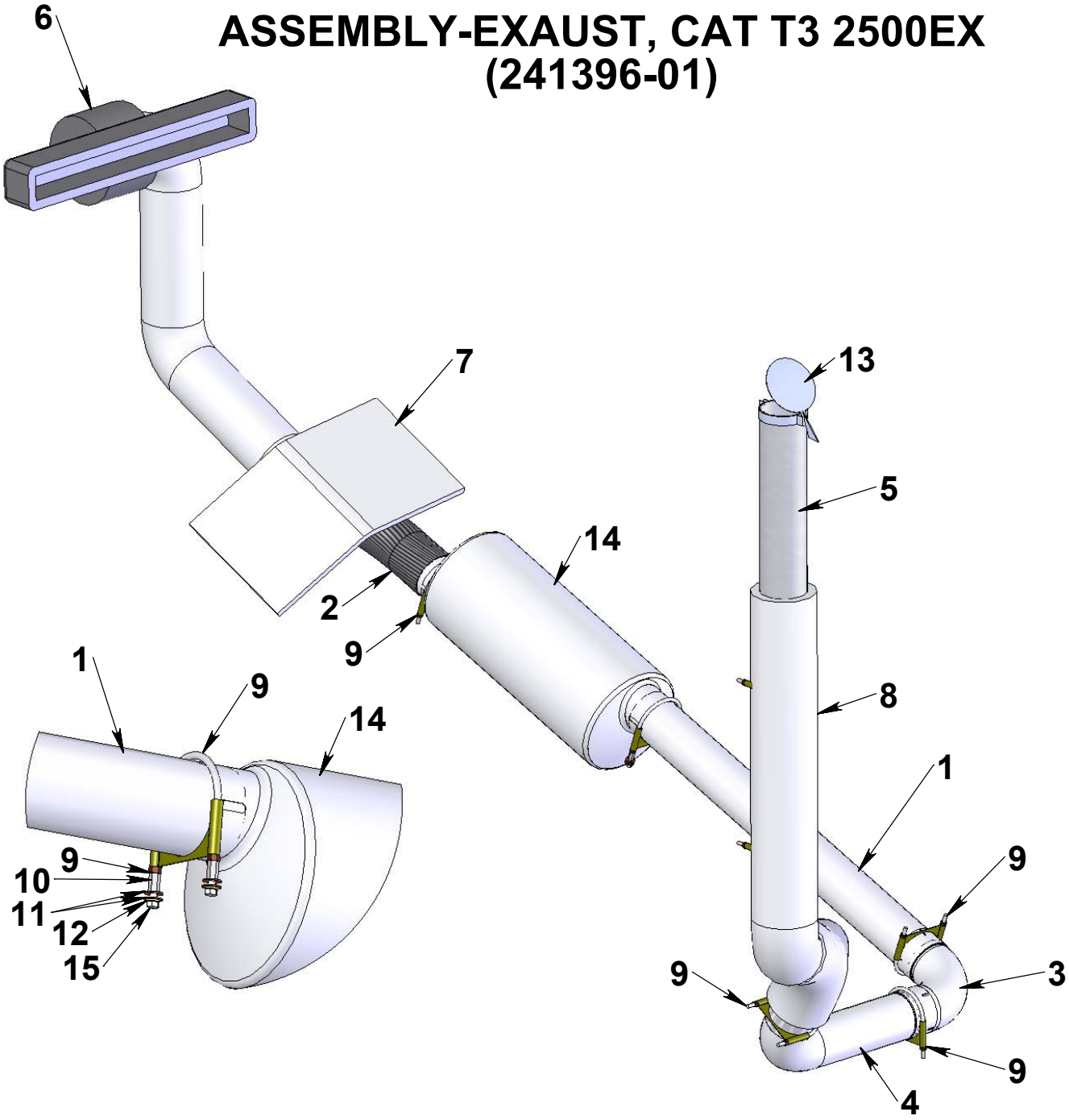
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 241278-03 | ENGINE*CAT C9 300 HP LRC T3 24V | 1 |
| 2 | 241286-03 | ASSEMBLY-ENGINE MOUNT | 1 |
| 3 | 216881-03 | DETAIL-FUEL FILTER SPACER PLATE | 1 |
| 4 | 241396-01 | ASSEMBLY-EXAUST, CAT T3 2500EX | 1 |
| 5 | 241453-01 | ASSEMBLY-COOLING 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 | 131416S | HOSE ASSY 131416 W/ SLEEVE | 1 |
| 11 | 129853S | HOSE ASSY 129853 W/ SLEEVE | 1 |
| 12 | 232396-03 | ASSEMBLY-FUEL / WATER SEPARATOR | 1 |
| 13 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 8 |
| 14 | 84691 | SCREW * 1/2"UNC X 1 1/4"  SOC.HD. | 8 |
| 15 | 45228 | CLAMP * 3/8"- 1/2 WORM | 4 |
| 16 | 132960-04 | ADAPTER * 1/4 NPT FM X 6 JIC F SW | 3 |
| 17 | 86136-04 | FIT * ADAPTOR 8 SAE -1/4 NPT F PIPE | 1 |
| 18 | 216876-04 | FIT * ADAPTER 8 SAE M. - 12 SAE F. | 1 |
| 19 | 80349-04 | HOSE BARB * 1/4"NPT  X 3/8" BARB | 3 |
| 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 | 83953-04 | FIT ~ FM SWIVEL ELBOW 6 JIC 90 DEG. | 1 |
| 24 | 91846-04 | 1/4" NPT - 1/4" BARB | 1 |
| 25 | 133698 | FIT * 12 JIC X 8 SAE 90 MALE ELBOW | 1 |
| 26 | 216874-04 | FIT * 90 SAE TO HOSE | 1 |
| 27 | 85395-04 | FIT * PLUG 12 JIC | 2 |
| 28 | 243681-01 | ASSEMBLY-COOLER SHROUD 2500EX | 1 |

# ASSEMBLY-ENGINE MOUNT
# (241286-03)



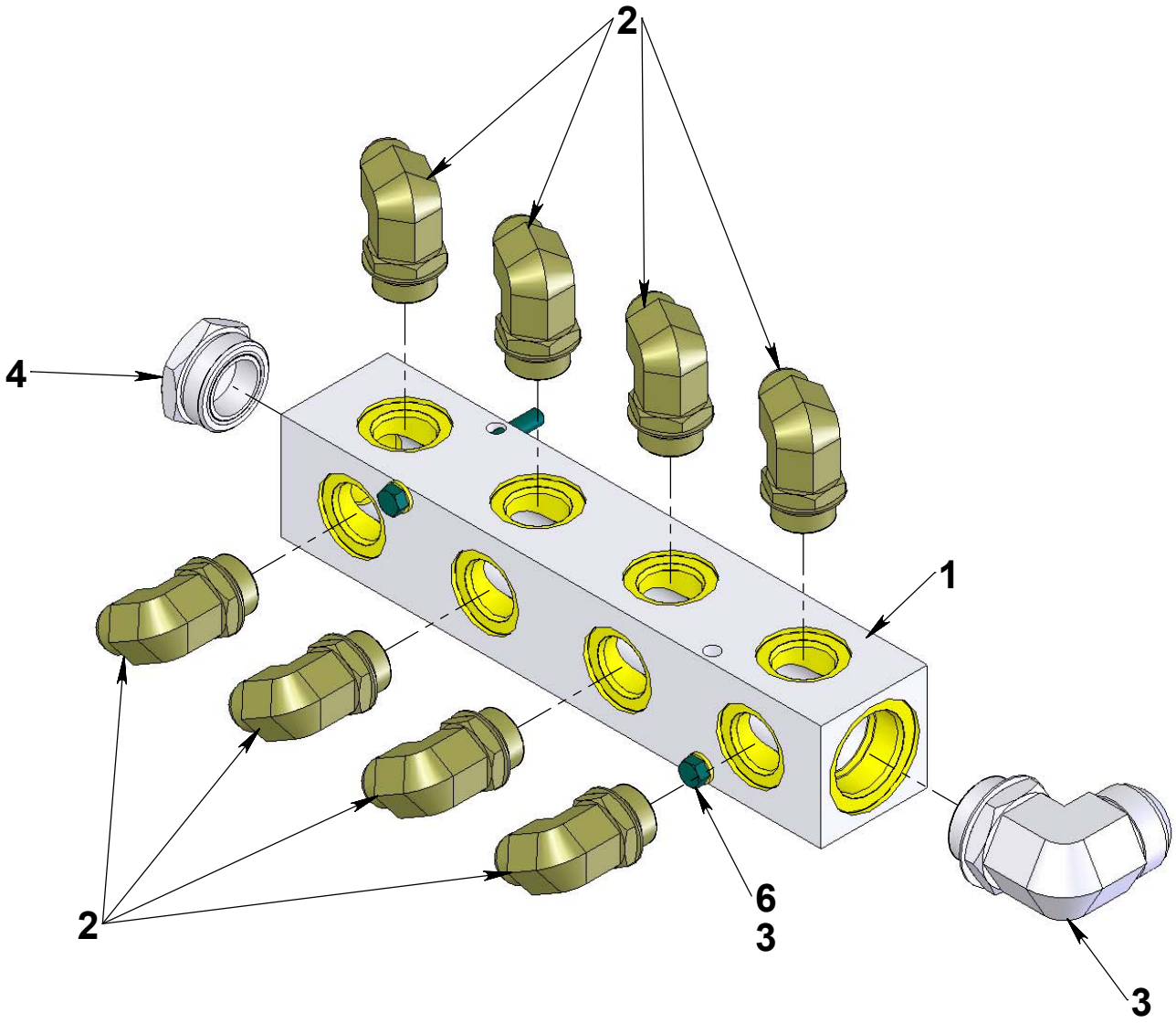

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 241462-03 | WELDMENT-RH FRONT ENGINE MOUNT | 1 |
| 2 | 241463-03 | WELDMENT-LH FRONT ENGINE MOUNT | 1 |
| 3 | 241312-02 | WELDMENT-RH REAR MOTOR MOUNT | 1 |
| 4 | 243176-02 | WELDMENT-LH REAR MOTOR MOUNT | 1 |
| 5 | 83757 | WASHER ~ FLAT 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 (241396-01)



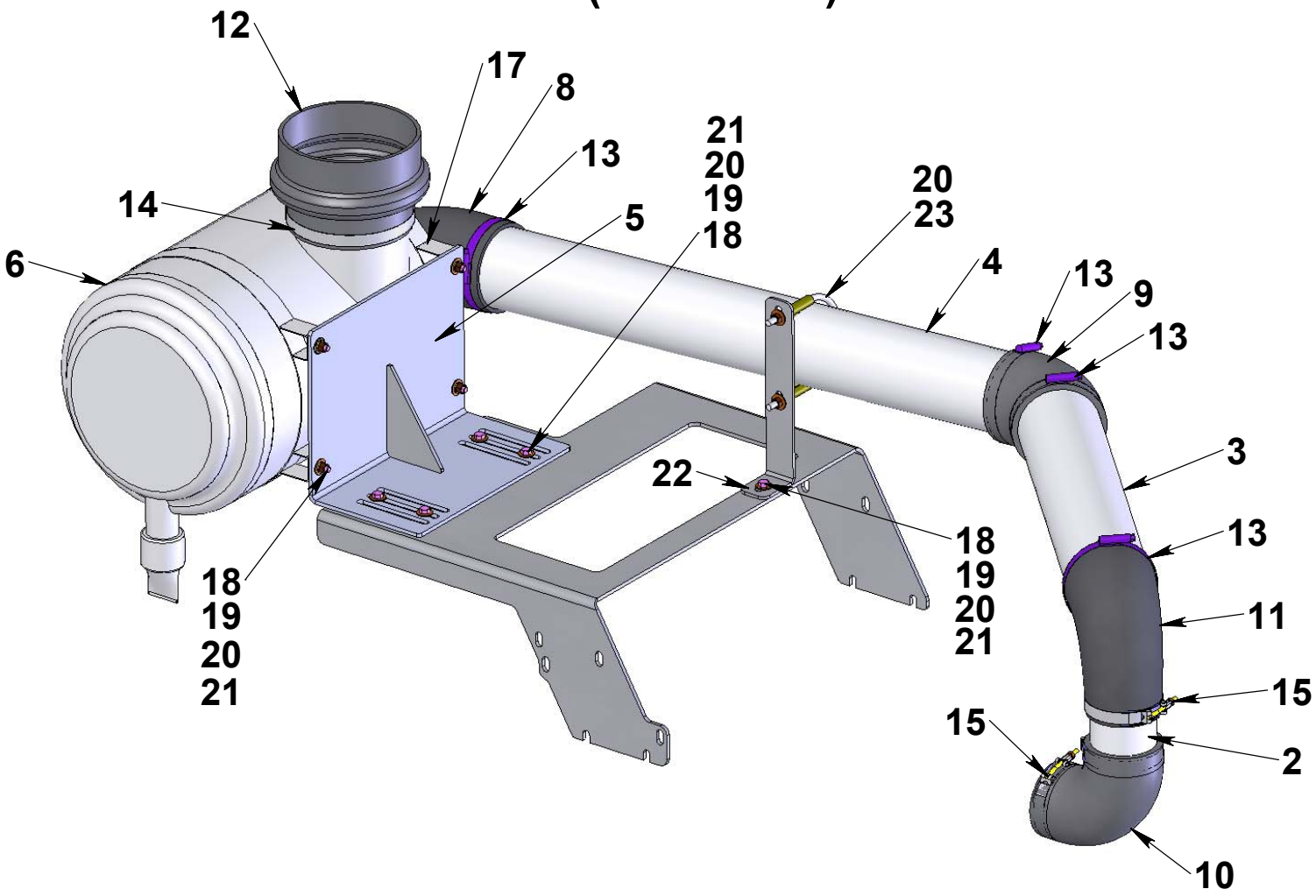

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 241396-01-1 | RD. TUBE, 5" X 14GA, 46"LG, A513 ALUMINIZED | 1 |
| 2 | 241430-03 | EXAUST * TURBO-TUBE | 1 |
| 3 | 216500-03 | EXHAUST * ELBOW 90 5"OD X 5"ID | 1 |
| 4 | 242758-03 | DETAIL-EXHAUST TUBE, POST MUFLER | 1 |
| 5 | 217871-01 | EXHAUST STACK | 1 |
| 6 | 220658-04 | INSUL * TURBO BLANKET KIT | 1 |
| 7 | 217091-03 | INSULATION ~ EXHAUST BEFORE MUFFLER | 1 |
| 8 | 236444-03 | INSULATION * EXHAUST STACK | 1 |
| 9 | 89096-04 | CLAMP ~ 5" MUFFLER | 7 |
| 10 | 243305-04 | NUT * 3/8-16 COUPLING X 1"LG | 2 |
| 11 | 83757 | WASHER ~ FLAT 3/8 STEEL | 4 |
| 12 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 2 |
| 13 | 89078-04 | RAIN CAP * DURALIFE 5" (CHROME) | 1 |
| 14 | 243290-03 | MUFFLER, 5" X 12" DIA 34" OAL | 1 |
| 15 | 237201-04 | BOLT * HEX 3/8"-16 X 5/8" STAINLESS STEEL | 2 |

# ASSY-CASE DRAIN RETURN MANIFOLD (243015-03)



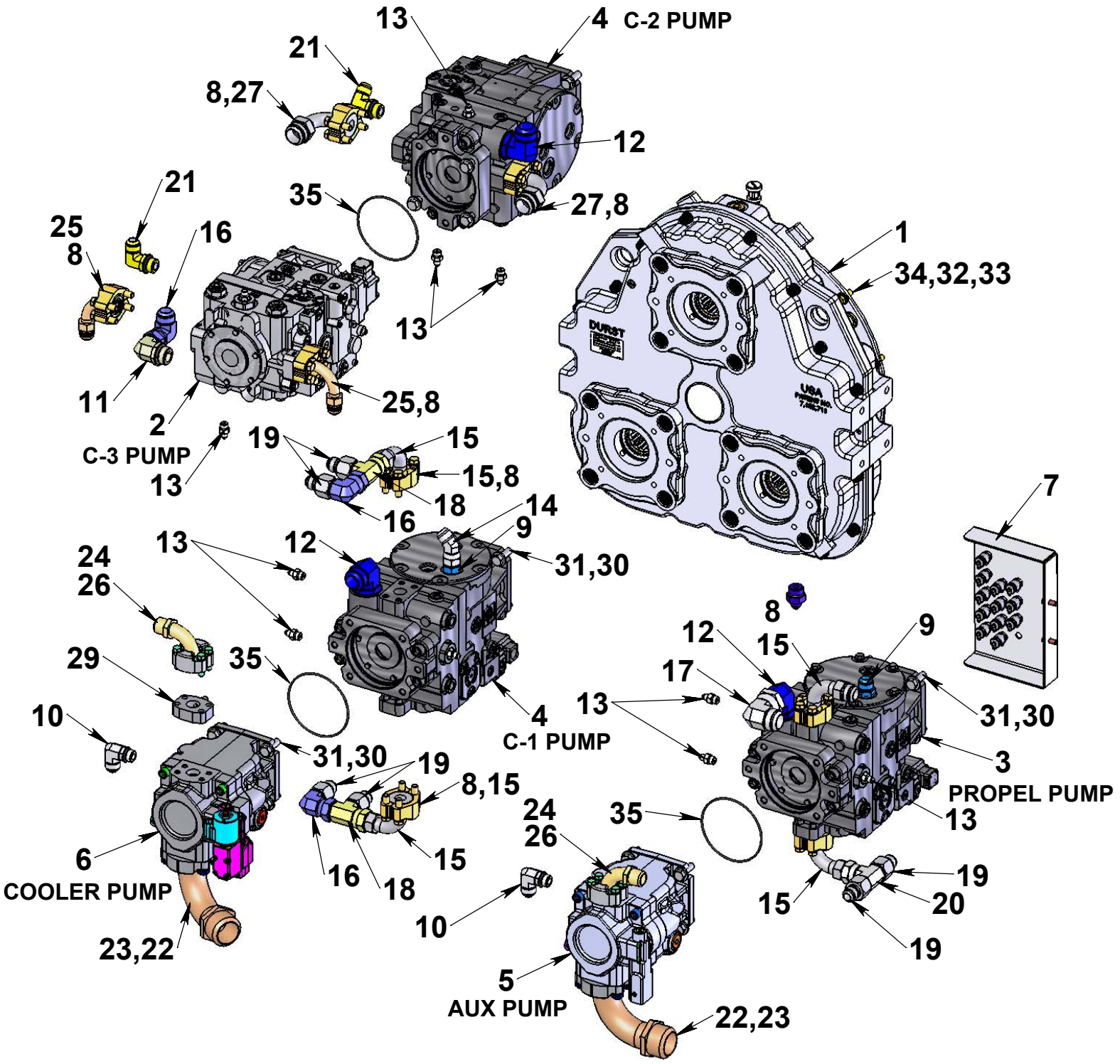

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 238594-03 | MANIFOLD *90° HEADER (16 SAE PORTS) | 1 |
| 2 | 85875-04 | FIT * ELBOW 12 JIC M - 16 SAE 90 | 8 |
| 3 | 130099 | FITTING * 24 JIC - 24 SAE 90 ELBOW | 1 |
| 4 | 201954 | FITTG * 24 SAE PLUG | 1 |
| 5 | 83056 | WASHER ~ LOCK 3/8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

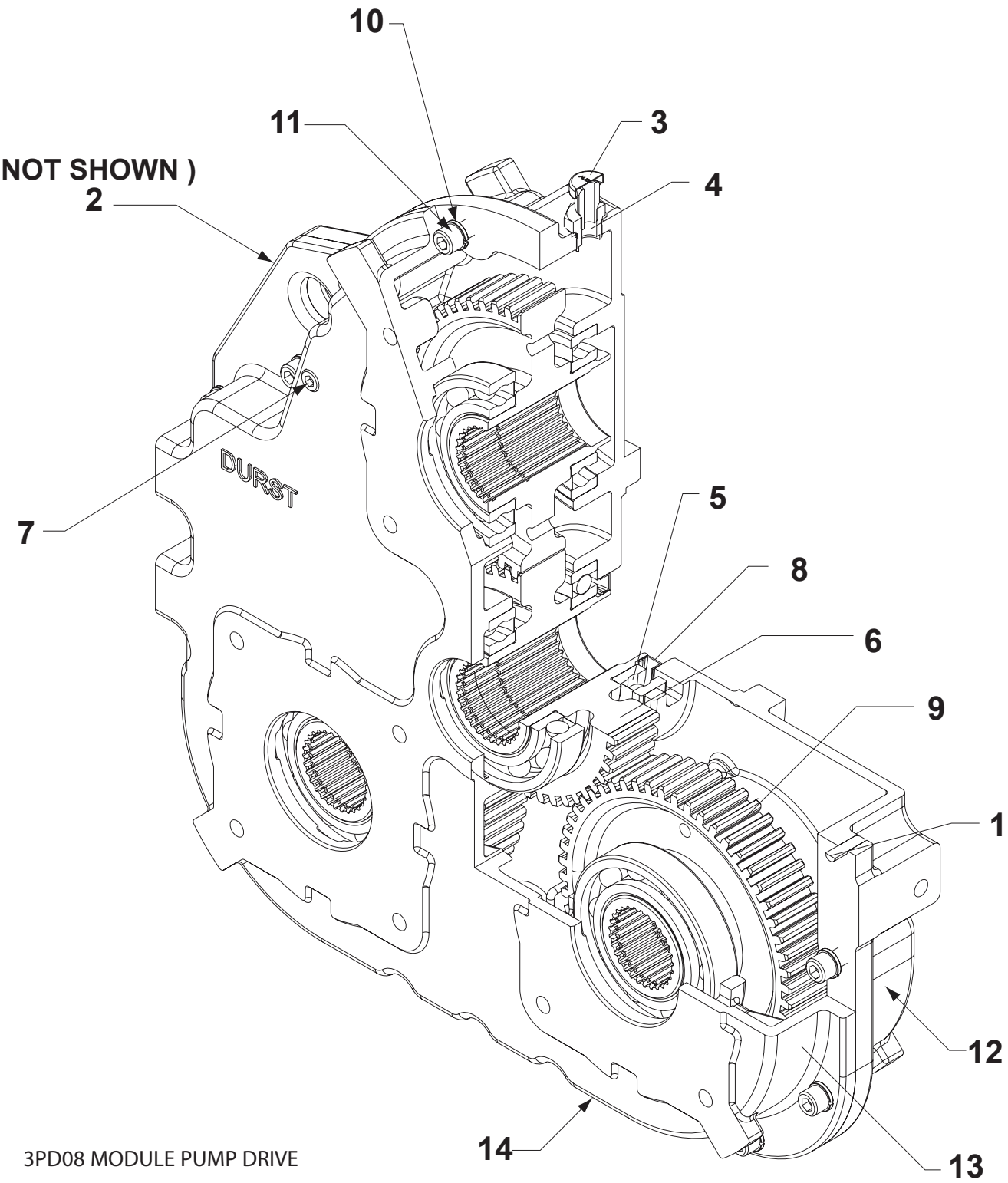
# ASSEMBLY-PUMPS, SB-2500E T4
# (242295-01)



# 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 )



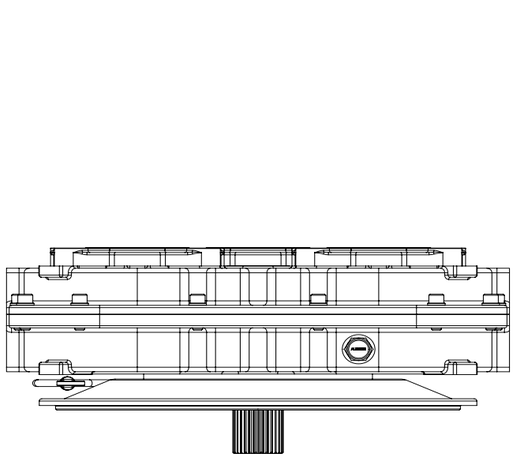

3PD08 MODULE PUMP DRIVE

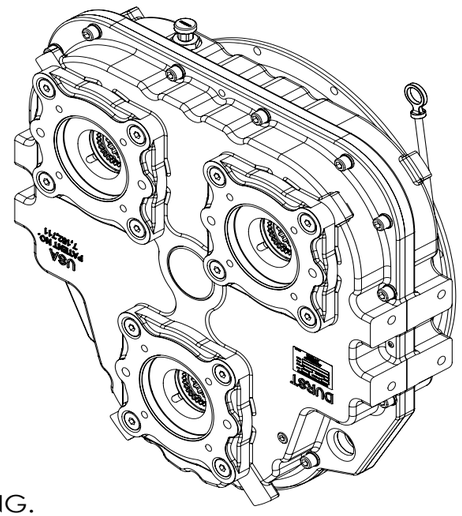
# ASSEMBLY, PUMP DRIVE 3PD08
# ( 233864-03 )

| 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 | | | |

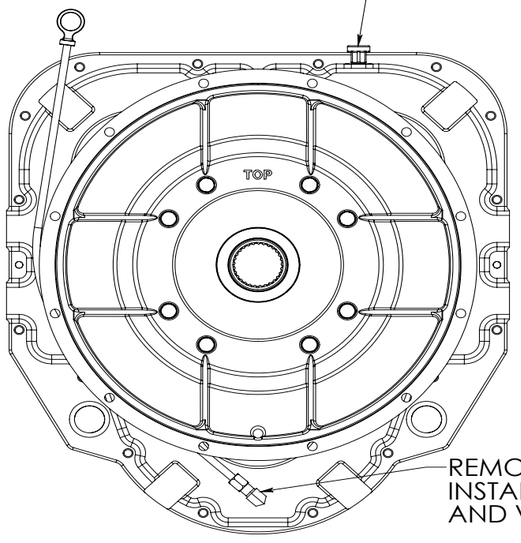
# MODIFICATION- PUMP DRIVE 3PD08
# ( 242329-01 )

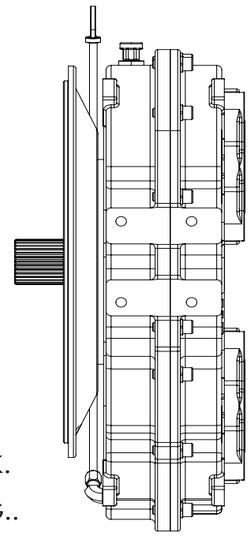
| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 233864-03 | PUMP * DRIVE 3PD08 | 1 |
| 2 | 242497-04 | DIPSTICK * DURST 3PD08 TOP MNT | 1 |
| 3 | 80274-04 | PLUMB * 90 DEG. ST. EL. 3/8"NPT STL | 1 |
| 4 | 89616 | FIT * 8 JIC X 12 SAE ST. MALE | 1 |



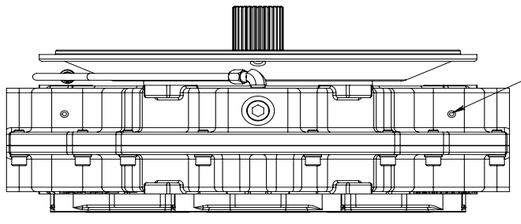



REMOVE VENT FITTING.
PLUG WITH ITEM#4.

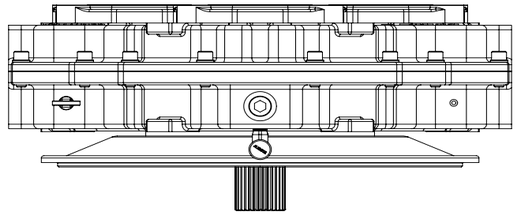


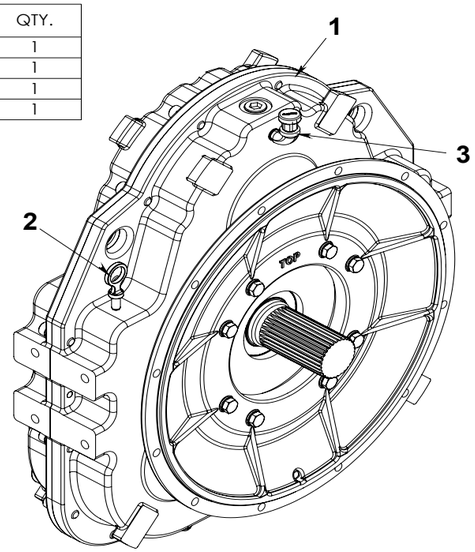



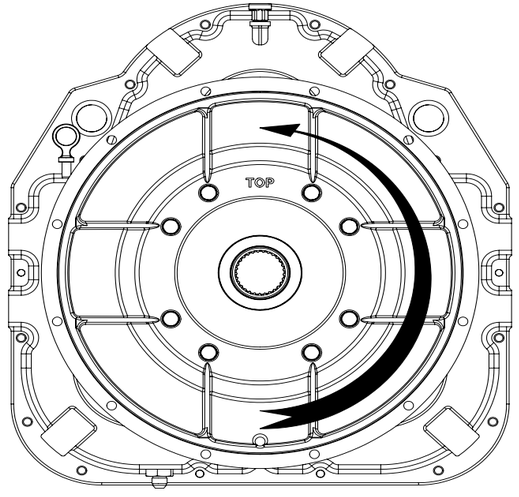
REMOVE DIPSTICK.
INSTALL ITEM#3
AND VENT FITTING..



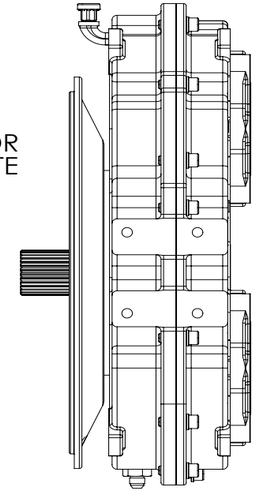
REMOVE PLUG.
PRESS IN ITEM#2.

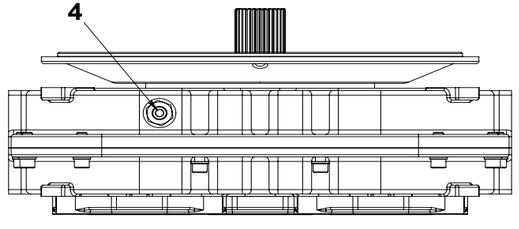





REMOVE ADAPTOR
PLATE AND ROTATE
180° SO THAT THE
WORD "TOP" IS
AT THE TOP.

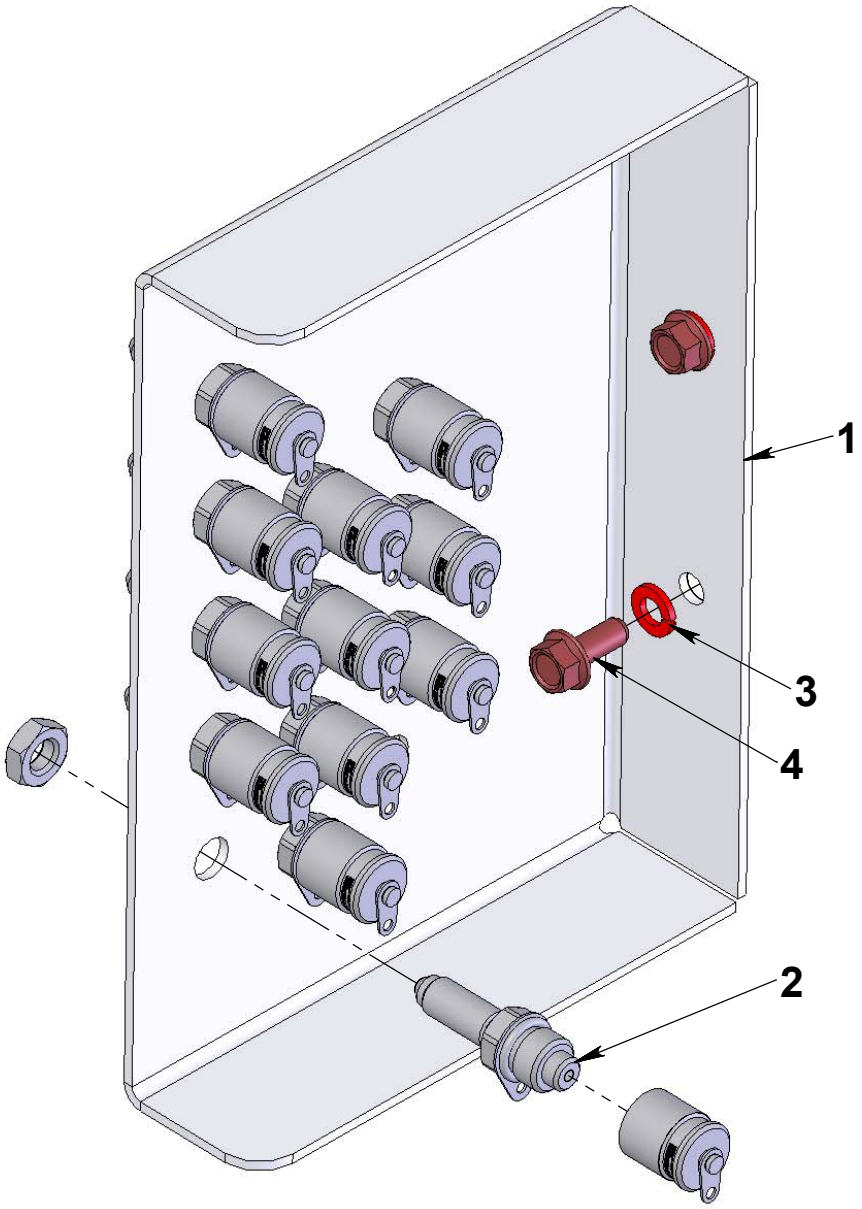






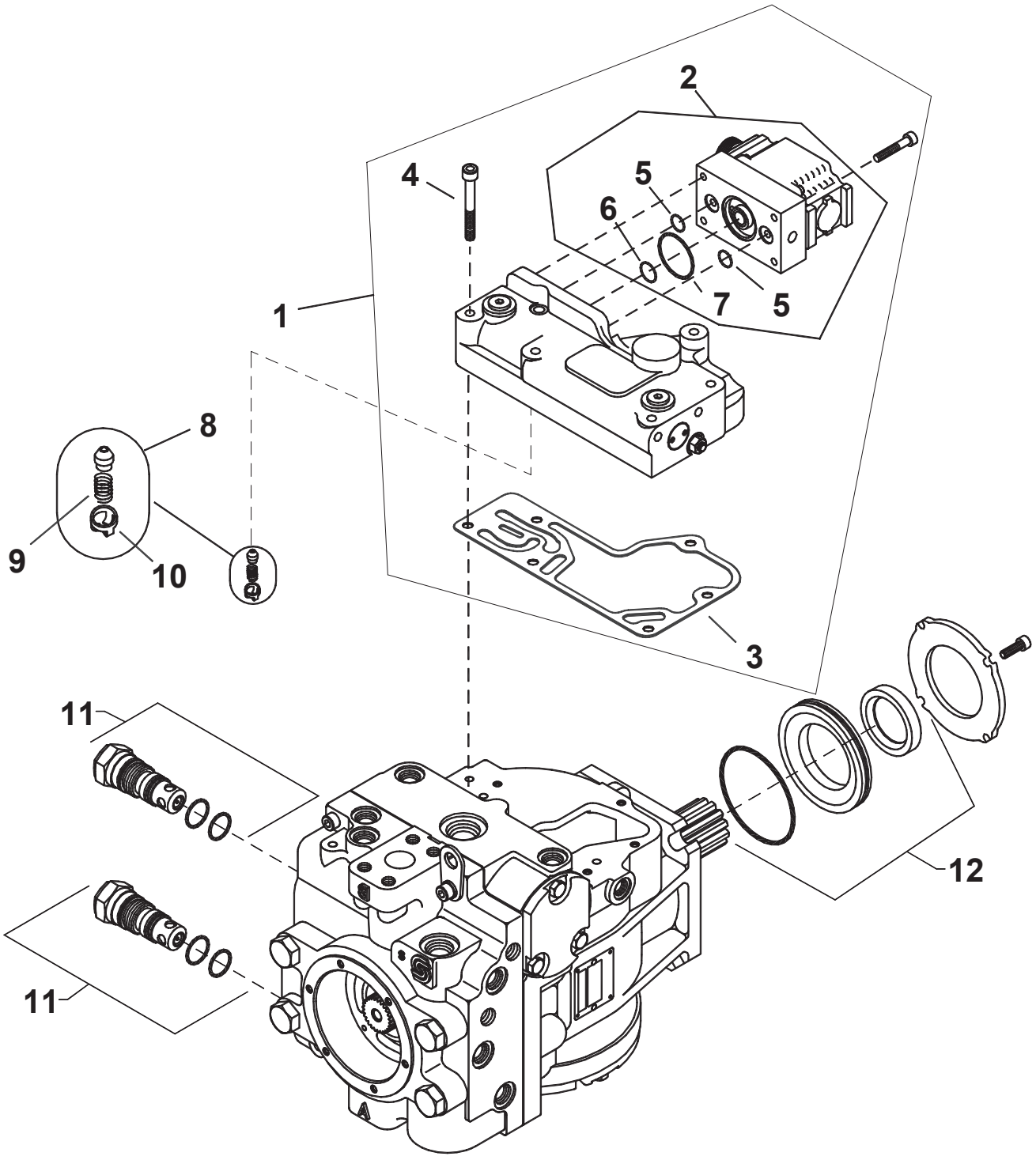

ROADTEC
an Astec Industries Company

# 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 )

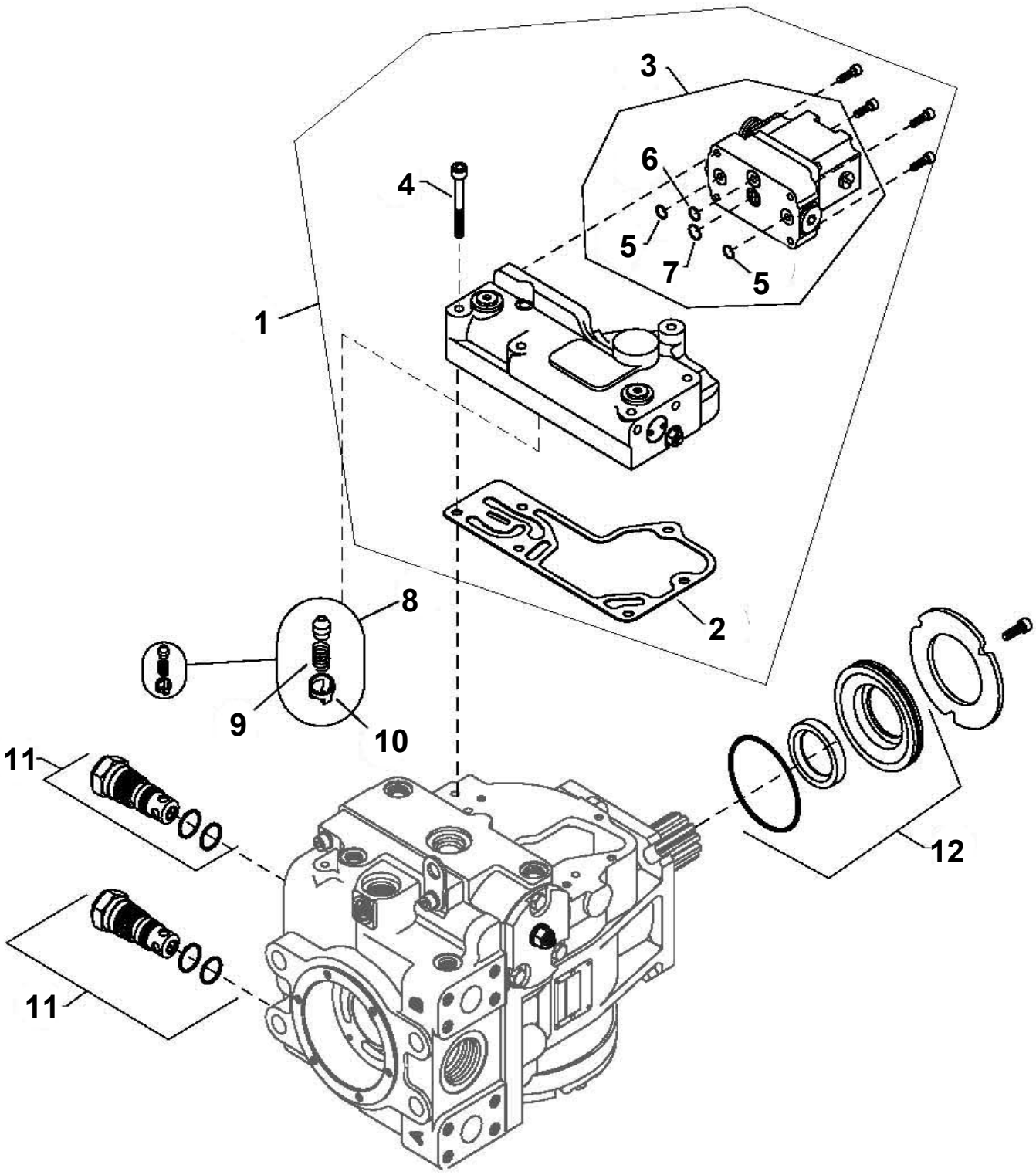


# ASSEMBLY, C-1 & C-2 PUMP
# ( 99814 )

| 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 )

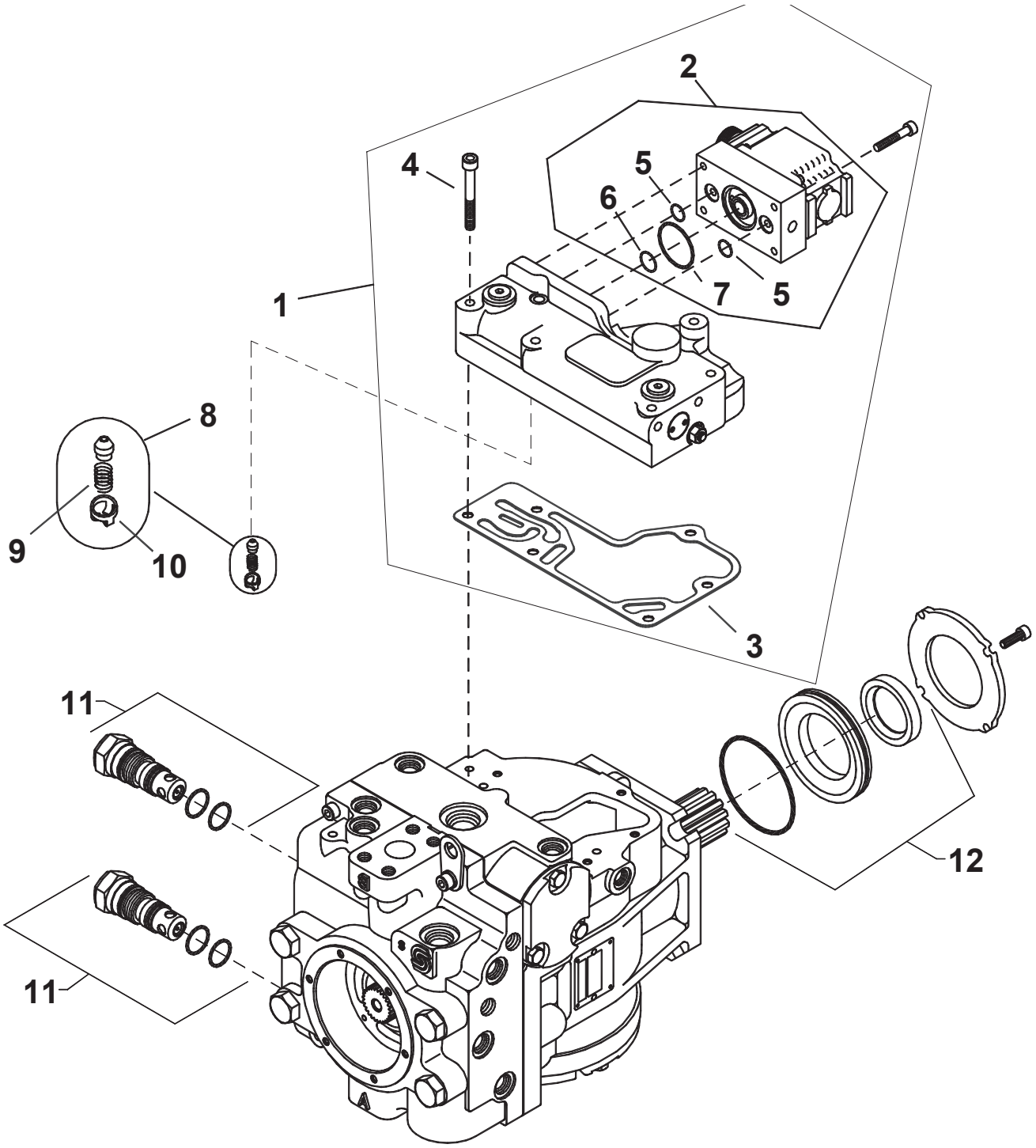


# ASSEMBLY, C-3 PUMP
# ( 233849-04 )

| 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 )

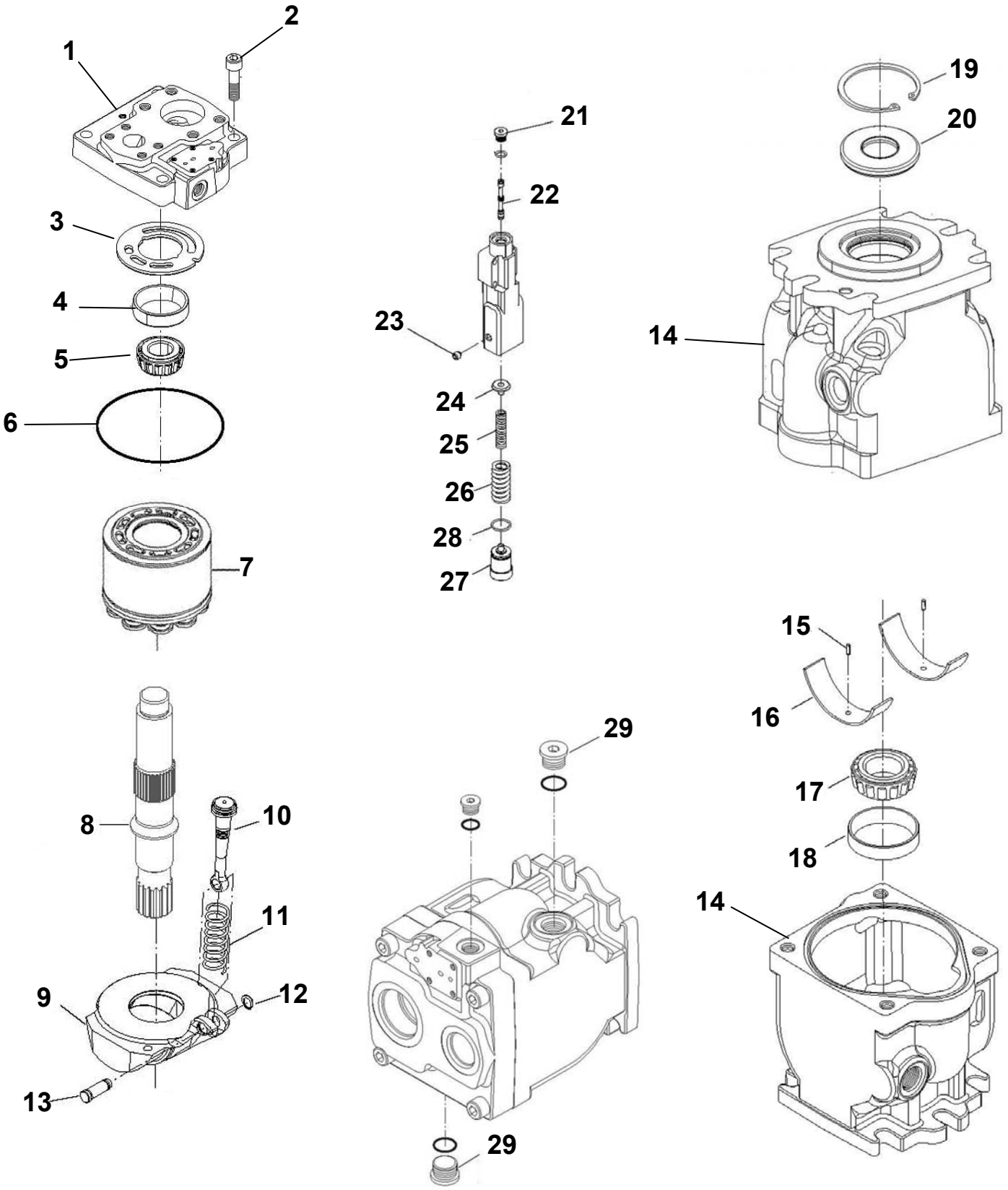


# ASSEMBLY, PROPEL PUMP
# ( 233837-04 )

| 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 )



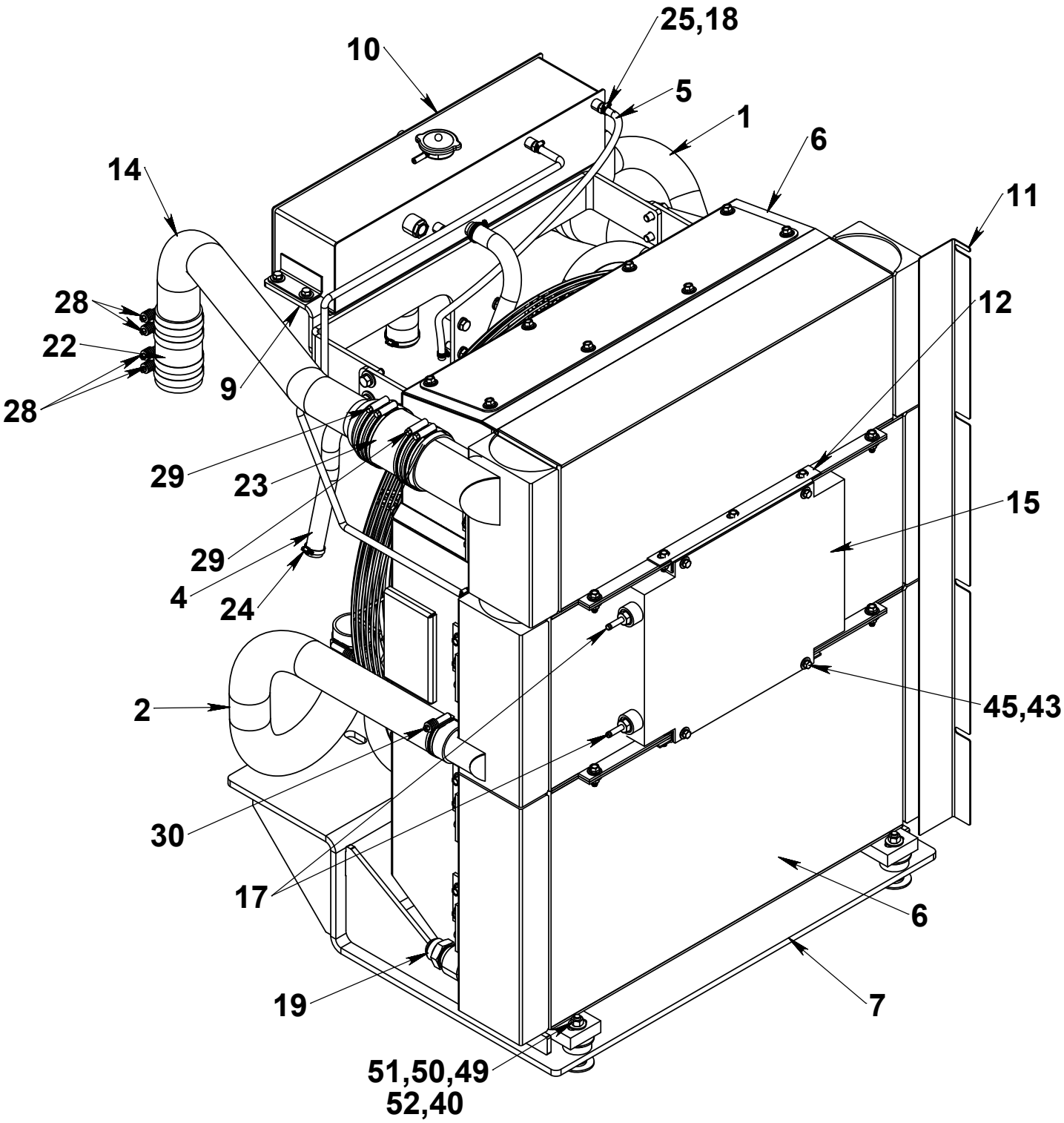
# AUXILIARY PUMP
# ( 217790-03 )

**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 | | | |

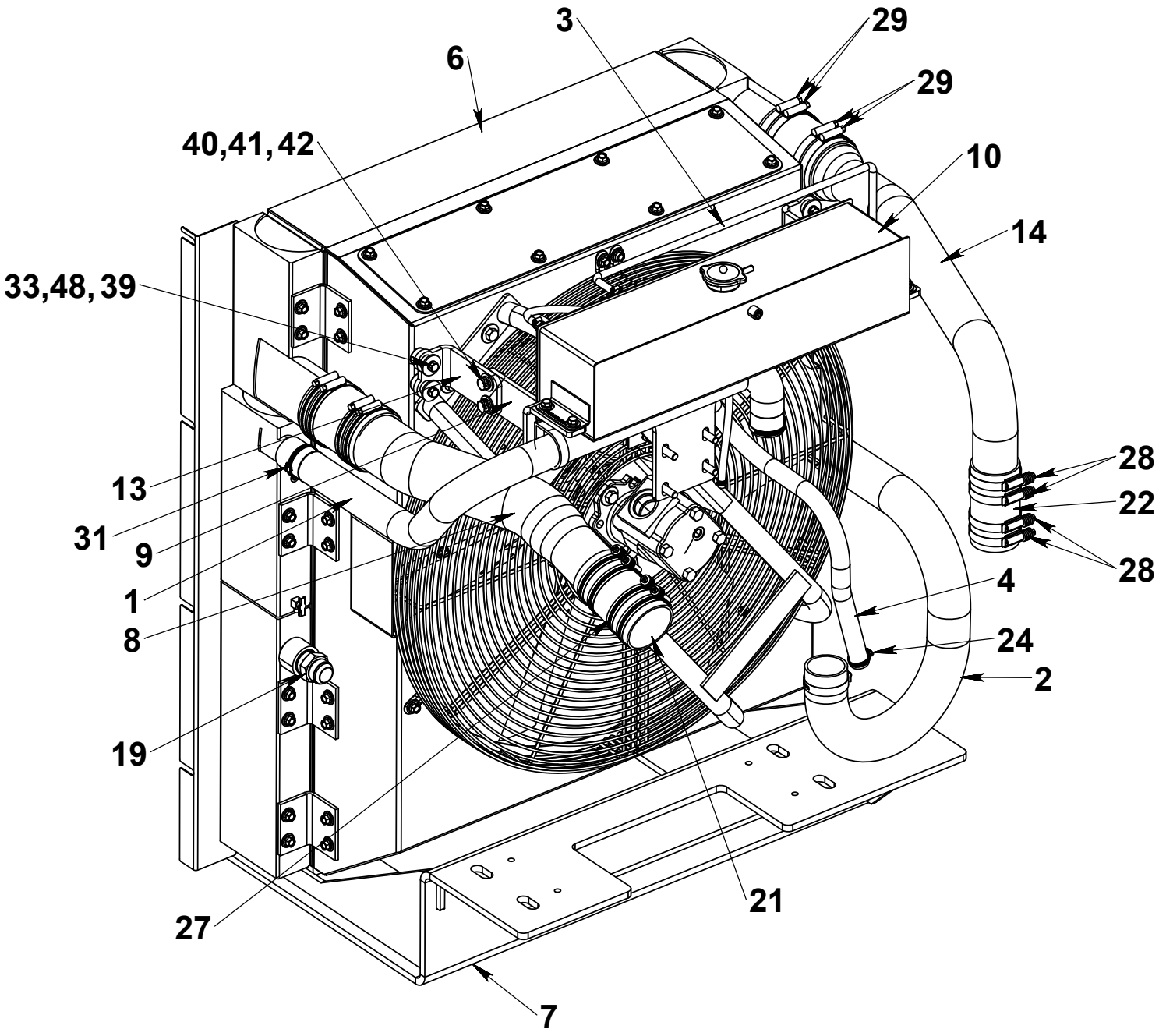
# ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)

NEXT PAGE



PREVIOUS PAGE

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



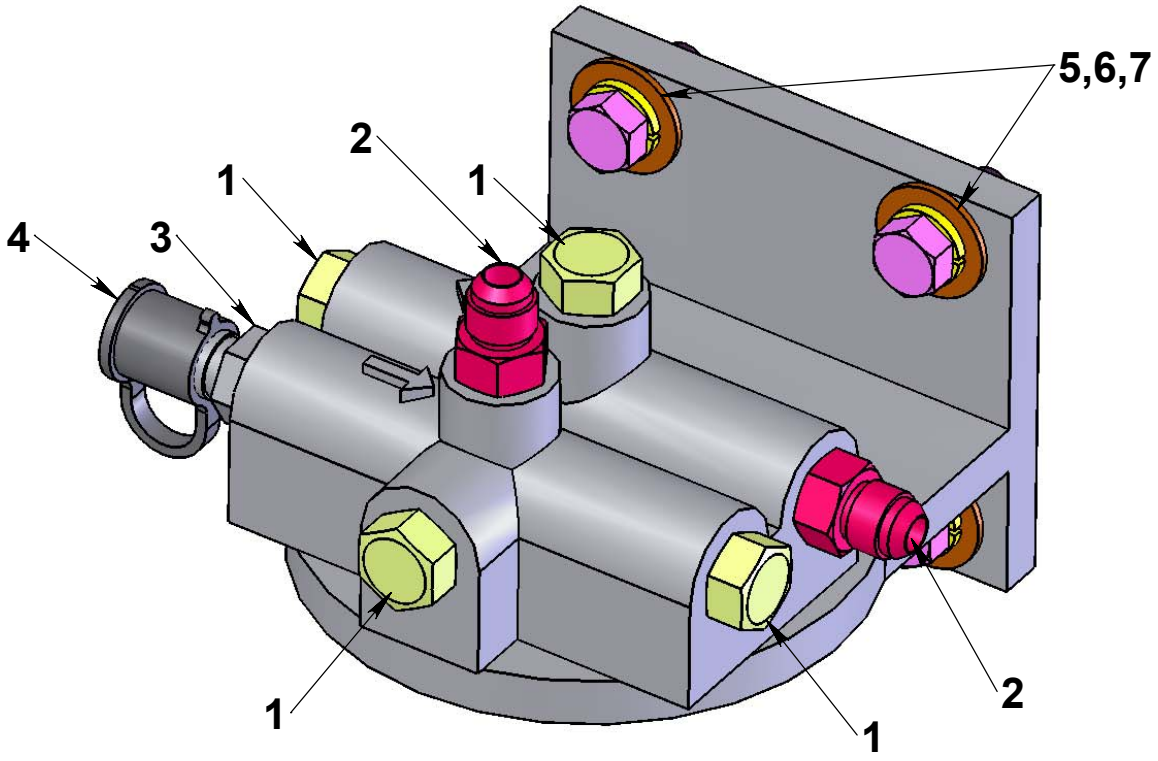
# ASSEMBLY-COOLING PACKAGE T3 2500EX (241453-01)

| 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-FUEL / WATER SEPARATOR (232396-03)

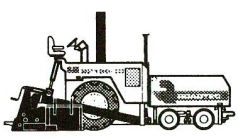


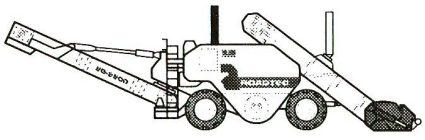

| ITEM # | PART # | DESCRIPTION | Default/QTY |
|---|---|---|---|
| 1 | 84635-04 | FIT * PLUG 6 SAE | 4 |
| 2 | 83735-04 | FIT * ADAPTER 6 JIC - 6 SAE MALE | 2 |
| 3 | 85948-04 | FIT * TEST PORT 6 SAE | 1 |
| 4 | 85949-04 | FIT ~ TEST PORT QD CAP 3/8 | 1 |
| 5 | 84332 | BOLT * HEX 3/8"-16 X 1" | 4 |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

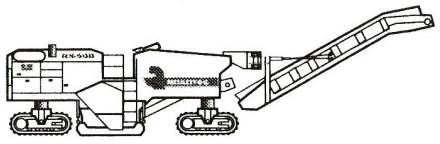
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







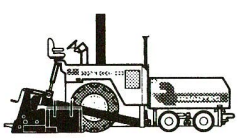
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

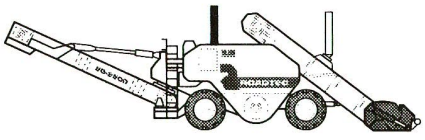
ROADTEC
an Astec Industries Company

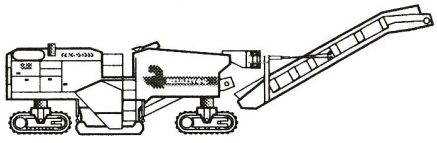
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







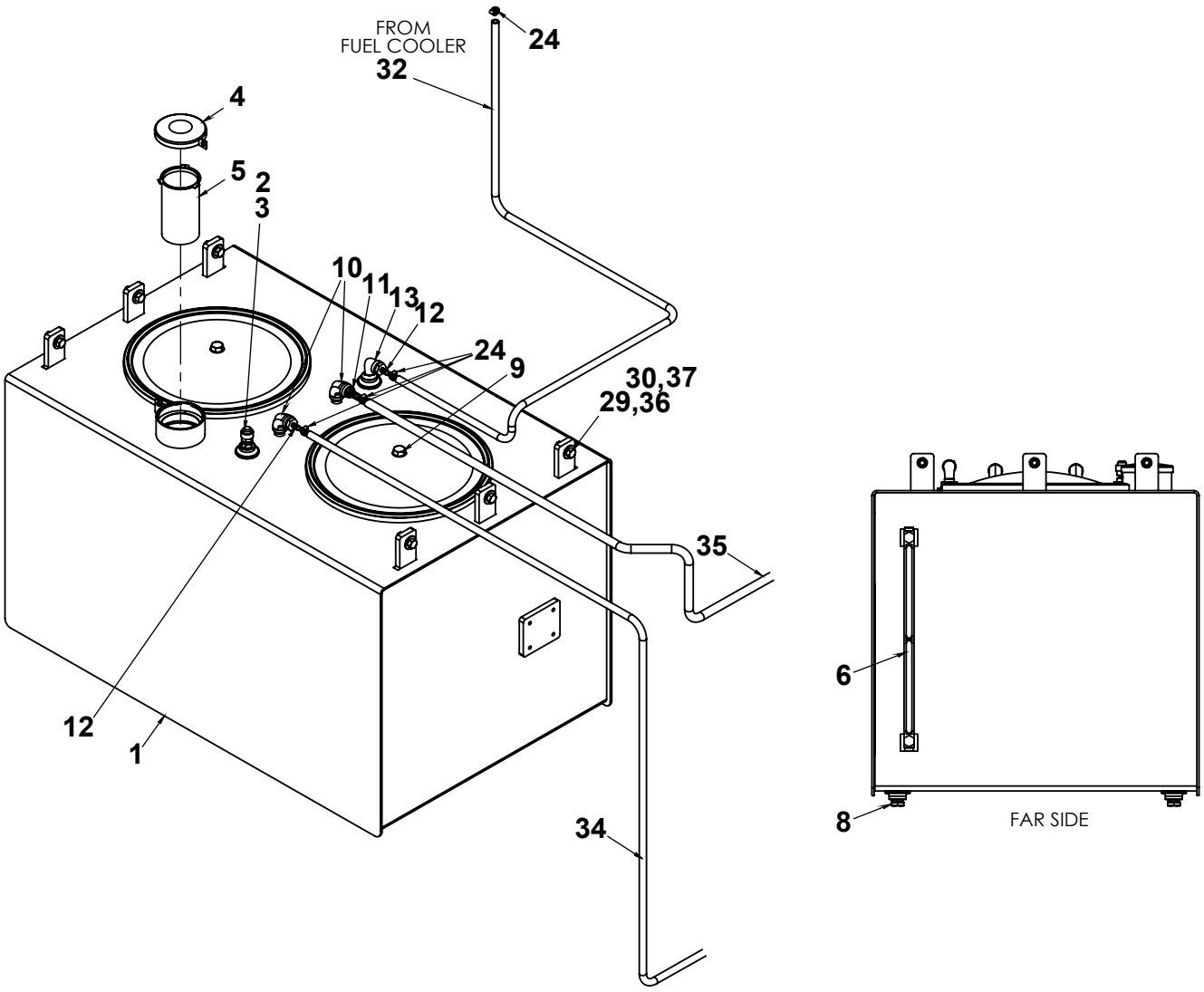
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

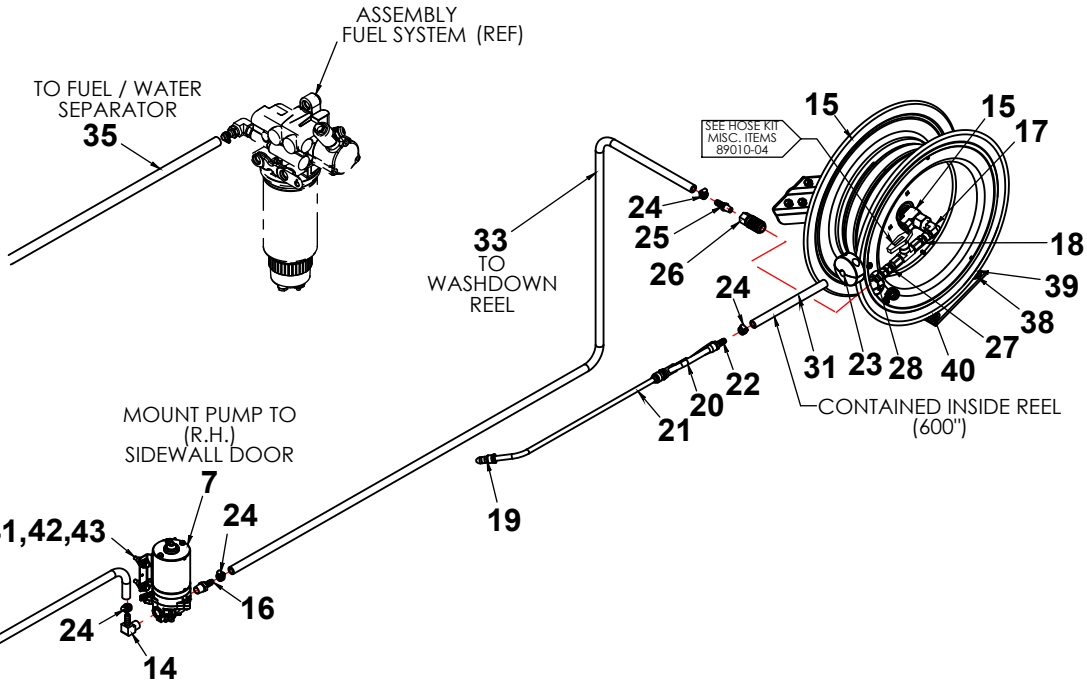
ROADTEC
an Astec Industries Company

# SECTION 2 : FRAME ASSEMBLIES


| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| FUEL TANK & WASHDOWN | 240547-01 | 2005 & UP | 2.1 |
| FUEL SYSTEM | 238702-01 | | 2.4 |
| MAINFRAME | 242202-01 | | 2.7 |
| DECAL KIT | 242848-01 | 2013 & UP | 2.11 |
| HOOD & SLIDING PLATFORM | 240382-01 | 2005 & UP | 2.25 |
| SLIDING PLATFORM | 238898-01 | | 2.29 |
| FOLDING HOOD RAILS | 240677-01 | | 2.31 |
| HOOD INSULATION | 240636-01 | | 2.32 |
| HOOD HEAT INSULATION | 240637-01 | | 2.33 |
| MIRROR | 202080-01 | | 2.34 |

# ASSEMBLY, FUEL TANK & WASHDOWN SB-2500E
# ( 240547-01 )

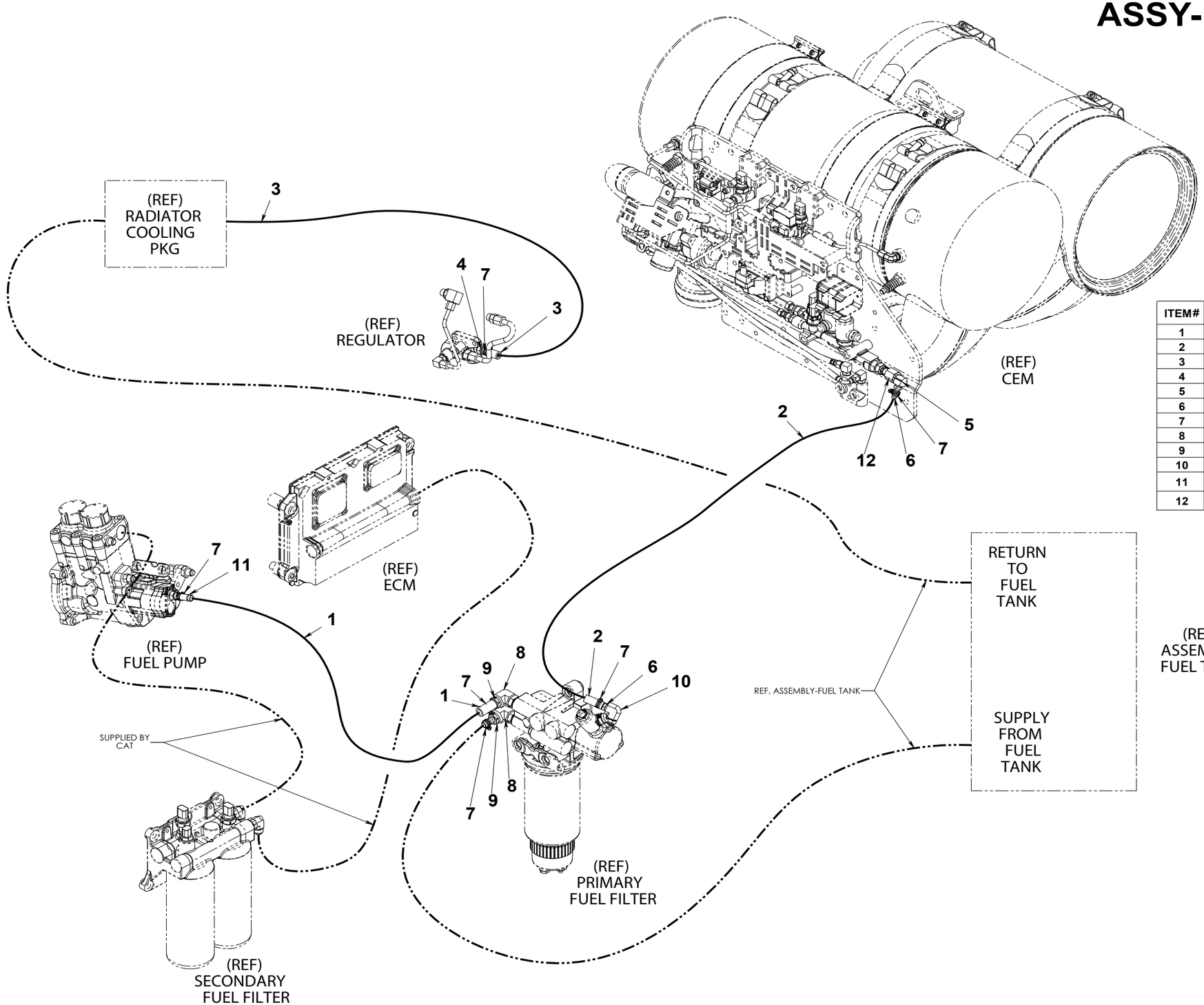


# ASSEMBLY, FUEL TANK & WASHDOWN SB-2500E ( 240547-01 )

| ITEM | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 217334-01 | 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 | 238116-04 | PUMP * 65 PSI SPRAYDOWN 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 | 201214-04 | FIT * BRASS 3/8 NPT X 3/8 BARB 90 | 1 |
| 15 | 131616-04 | HOSE REEL * HEAVY DUTY 35 | 1 |
| 16 | 80187 | HOSE BARB * 3/8 NPT X 3/8 BARB | 1 |
| 17 | 85466-04 | FIT * ELBOW 6 JIC X 3/8 NPT 90 DEG | 1 |
| 18 | 86622-04 | FIT * 1/4 NPT M - 6 JIC FEM SWIVEL | 1 |
| 19 | 128843 | SPRAY NOZZLE 289-4590 | 1 |
| 20 | 128842 | HAND SHUT OFF | 1 |
| 21 | 128844 | WAND-EXT 18" 318-5238 | 1 |
| 22 | 80553-04 | HOSE BARB * BARBED 1/8" X 3/8" | 1 |
| 23 | 145619-04 | RUBBER * RUBBER STOP | 1 |
| 24 | 45228 | CLAMP * 3/8"- 1/2 WORM | 8 |
| 25 | 80349-04 | HOSE BARB * 1/4"NPT X 3/8" BARB | 1 |
| 26 | 85947-04-C3 | KIT * FEMALE TESTPORT DISCONNECT | 1 |
| 27 | 86170-04 | FIT * ADAPTER 6 JIC -1/4 NPT M. | 1 |
| 28 | 131680-04 | FIT*MALE TEST PORT 6 JIC CONNECTOR | 1 |
| 29 | 93144 | BOLT * HEX 1/2"-13 X 1 1/2" | 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 | 83781-04 | WASHER * FLAT 1/2" STEEL | 6 |
| 37 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 6 |
| 38 | 83757 | WASHER ~ FLAT 3/8 STEEL | 4 |
| 39 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 4 |
| 40 | 84332 | BOLT * HEX 3/8"-16 X 1" | 4 |
| 41 | 84444 | WASHER * FLAT 1/4" STEEL | 4 |
| 42 | 83065 | WASHER ~ LOCK 1/4" SPRING STEEL | 4 |
| 43 | 90763 | BOLT * HEX 1/4"-20 X 1 1/4" | 4 |

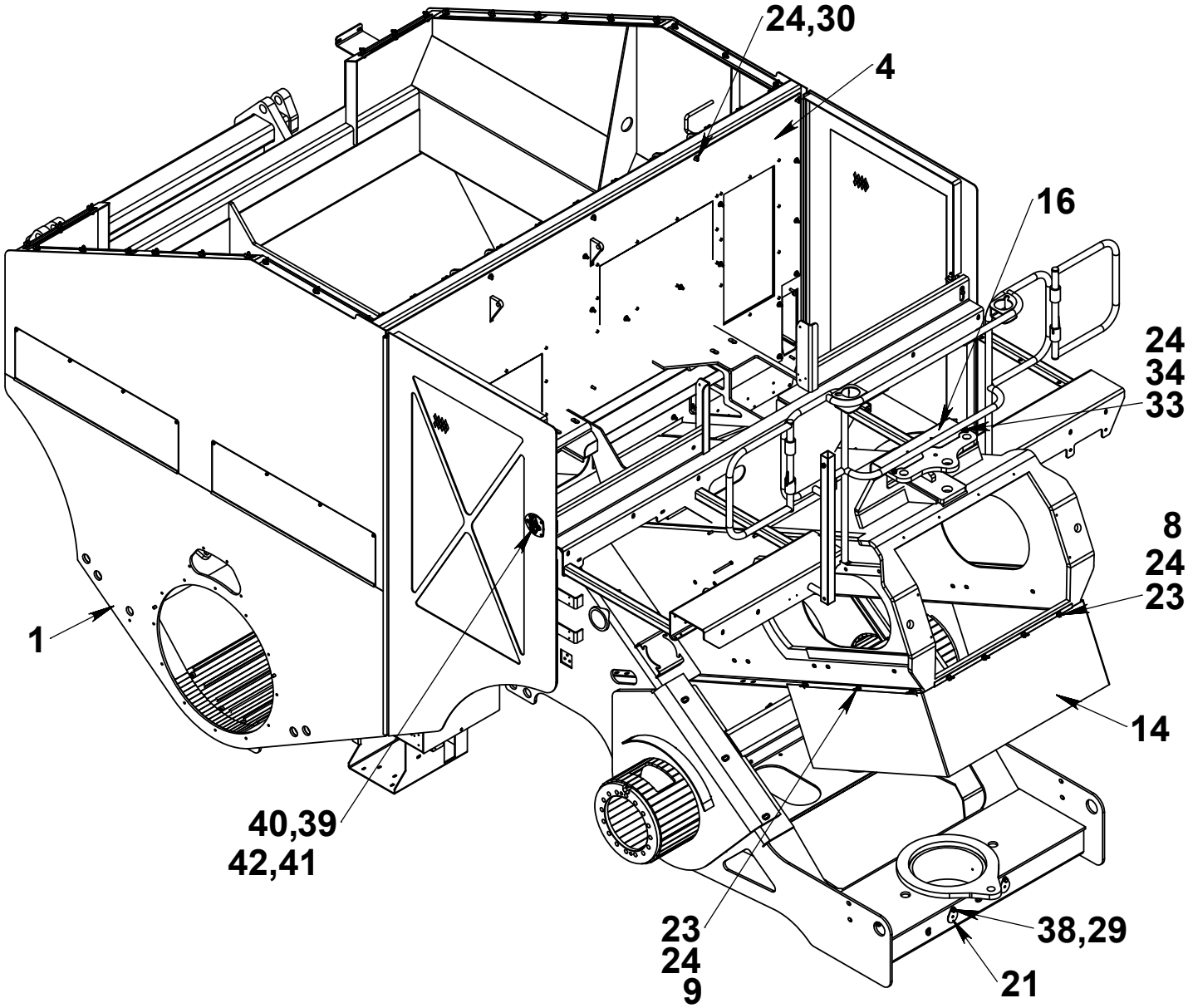
# ASSY- FUEL SYSTEM TIER 4
# ( 238702-01 )




| ITEM# | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 238702-01-1 | HOSE * 1/2 FUEL, CUT 120" LG. | 1 |
| 2 | 238702-01-2 | HOSE, 3/8 FUEL/WATER X 160" LG. | 1 |
| 3 | 238702-01-3 | HOSE, 3/8 FUEL/WATER X 140" LG. | 1 |
| 4 | 236452-04 | FIT * 6 SAE MALE X 6 HOSE | 1 |
| 5 | 228883-04 | FIT ~ 1/4" NPT ST EL 90 BRASS | 1 |
| 6 | 80349-04 | HOSE BARB * 1/4"NPT X 3/8" BARB | 2 |
| 7 | 45228 | CLAMP * 3/8"- 1/2 WORM | 6 |
| 8 | 233660-04 | FIT * 10 SAE M X 1/2 NPT FEMALE 90 ELBOW | 2 |
| 9 | 136028-04 | HOSE BARB * 1/2 NPT-1/2 BARB | 2 |
| 10 | 234227-04 | FIT * 6 SAE M X 1/4 NPT F | 1 |
| 11 | 238971-04 | FIT * 6 SAE M X 8 HOSE | 1 |
| 12 | 234228-04 | FIT * 11/16 ORFS F X 1/4 NPT F | 1 |

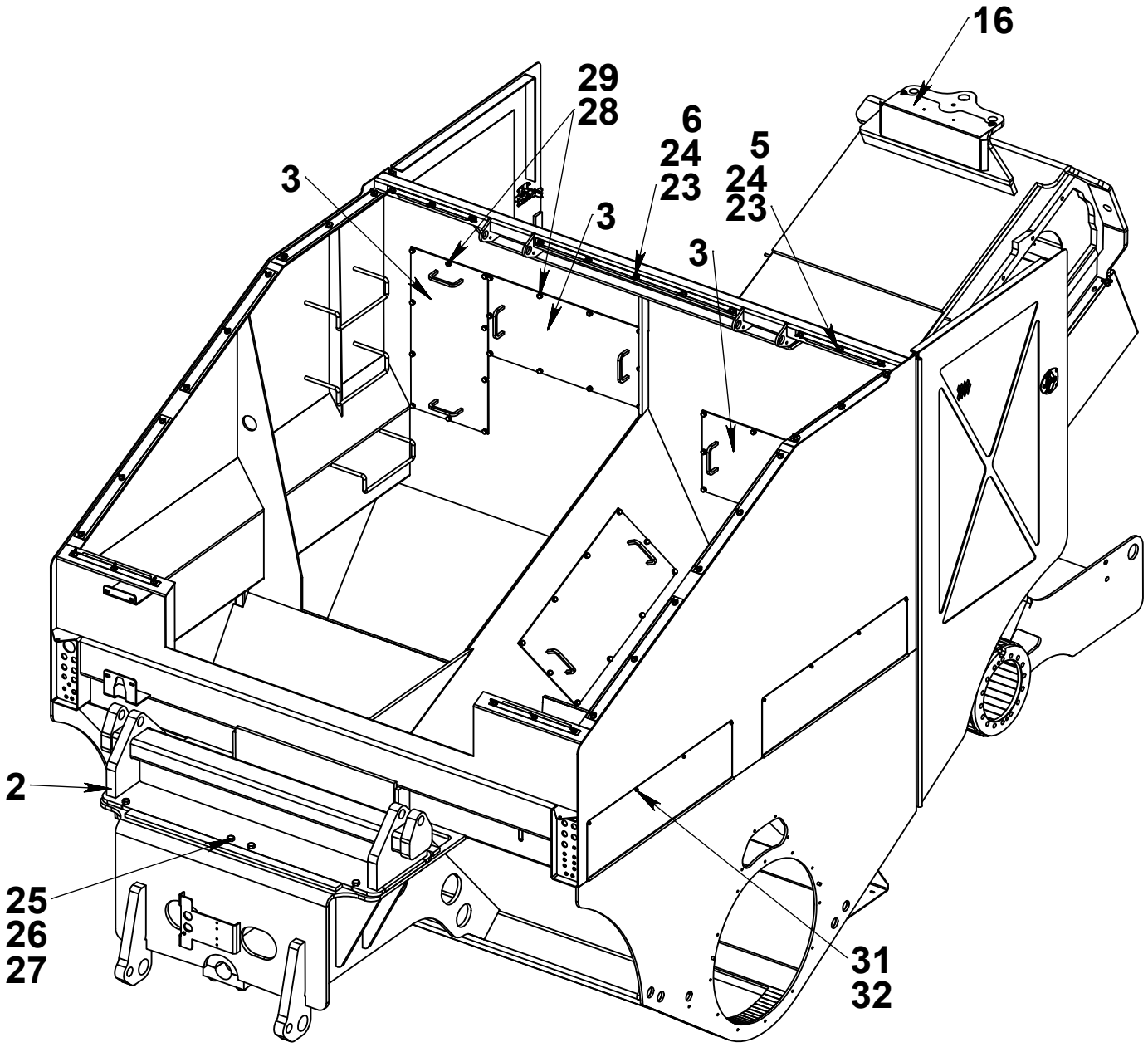
# ASSEMBLY- MAINFRAME SB-2500E T4
# ( 242202-01 )

NEXT PAGE



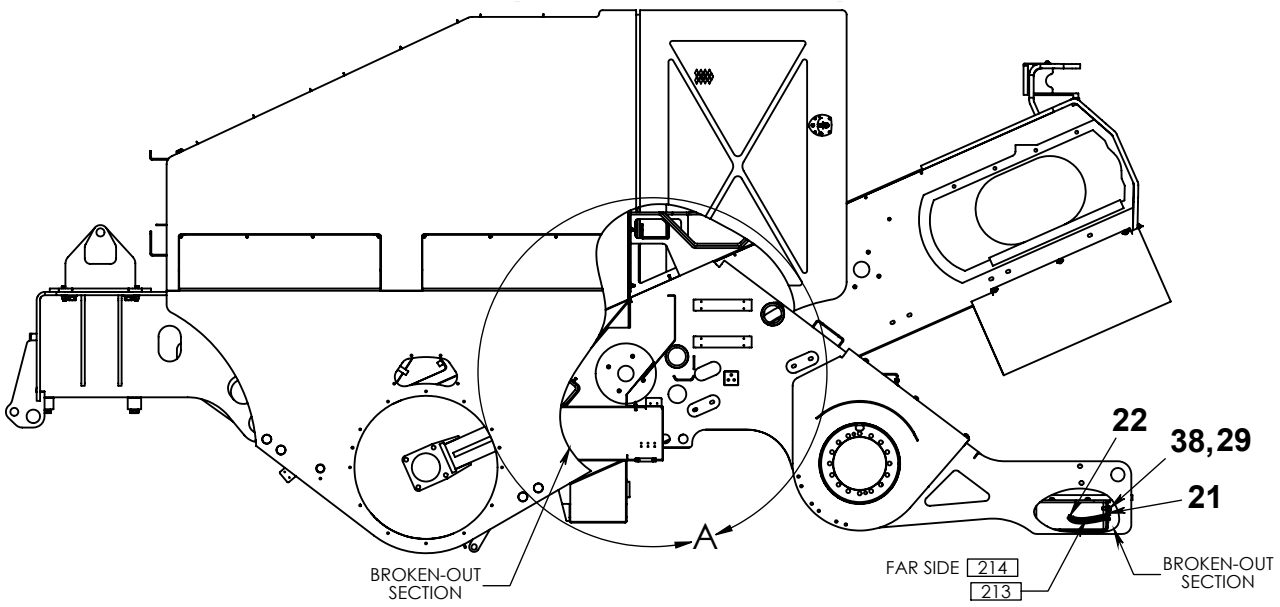
# ASSEMBLY- MAINFRAME SB-2500E T4
# ( 242202-01 )



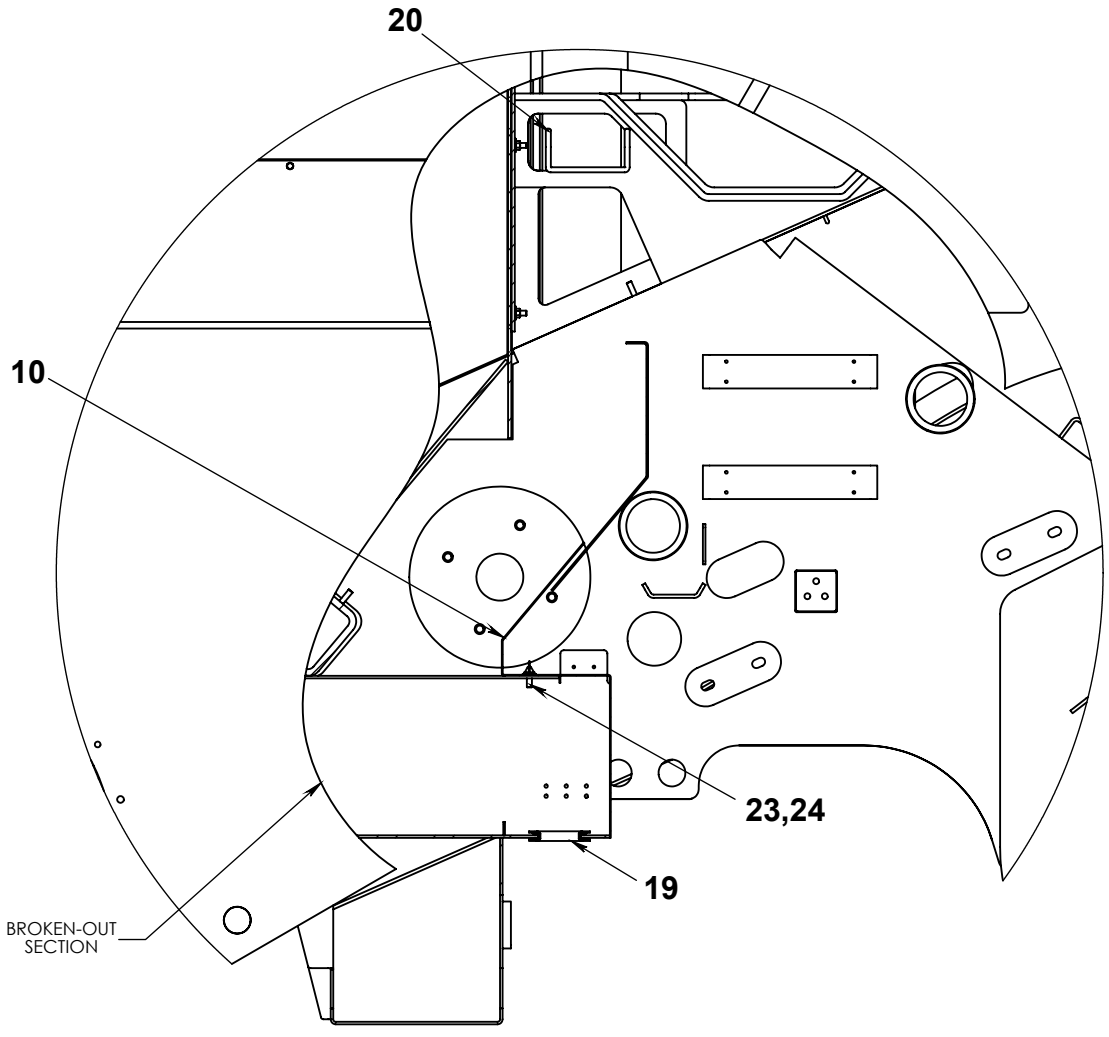


PREVIOUS PAGE

# ASSEMBLY- MAINFRAME SB-2500E T4
# ( 242202-01 )




LEFT SIDE VIEW
(SCALE REDUCED)



# ASSEMBLY- MAINFRAME SB-2500E T4
# ( 242202-01 )

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 242203-01 | 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) (NOT SHOWN) | 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 | 240191-01-20 | MOLDING * 3/8" INTERLOCK 15 1/2"L | 1 |
| 21 | 235242-03 | DETAIL-GREASE LINE BRACKET | 2 |
| 22 | 83742-04 | FIT ~ CONNECTOR 4 JIC - 1/8" NPT M. | 2 |
| 23 | 89987-04 | BOLT * WING 3/8"-16 X 1" GD.8 | 47 |
| 24 | 83757 | WASHER ~ FLAT 3/8 STEEL | 80 |
| 25 | 95930 | BOLT * HEX 3/4"-10 X 2 3/4" | 8 |
| 26 | 95937 | WASHER * FLAT 3/4" HARD | 8 |
| 27 | 88164 | NUT * 3/4"-10 TOP LOCK GRADE 8 | 8 |
| 28 | 86164 | BOLT * HEX 1/2"-13 X 1 1/4" | 40 |
| 29 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 42 |
| 30 | 83055 | NUT * 3/8-16 HEX GRADE 8 | 31 |
| 31 | 89988-04 | BOLT * HEX 1/4"-20 X 3/4" | 16 |
| 32 | 83065 | WASHER * LOCK 1/4" SPRING STEEL | 16 |
| 33 | 84332 | BOLT * HEX 3/8"-16 X 1" | 2 |
| 34 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 2 |
| 35 | 97316 | BOLT * HEX 1"-8 X 3" | 4 |
| 36 | 83427 | WASHER ~ LOCK 1" SPRING STEEL | 4 |
| 37 | 10S89 | WASHER ~ FLAT 1" A325 | 4 |
| 38 | 93144 | BOLT * HEX 1/2"-13 X 1 1/2" | 2 |
| 39 | 222946-04 | HANDLE-COMPRESS T W/ KEY | 2 |
| 40 | 145698 | SCREW *10-32 X 3/4 SS BUTTON SOC-HD | 8 |
| 41 | 90103 | WASHER * LOCK #10 | 8 |
| 42 | 232055-04 | NUT-10-32 STAINLESS UNF HEX | 8 |

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

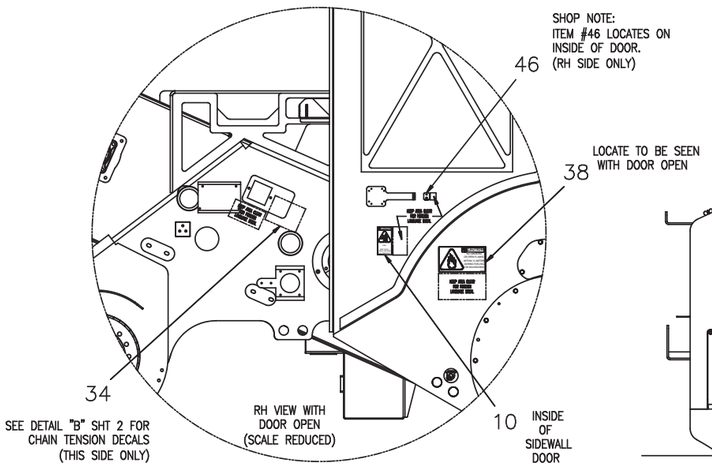
| ITEM | IDENT | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 236389-02 | DECAL* HAND PUMP INSTRUCTIONS | 1 |
| 2 | 241524-04 | DECAL* CONVEYOR ADJUSTMENT | 6 |
| 3 | 241798-04 | DECAL* WARNING! DISCHARGE AREA | 2 |
| 4 | 241884-03 | DECAL* BATTERY WARNING | 1 |
| 5 | 211262-04 | DECAL* WARNING DISCHARGE 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 | - | - | - |

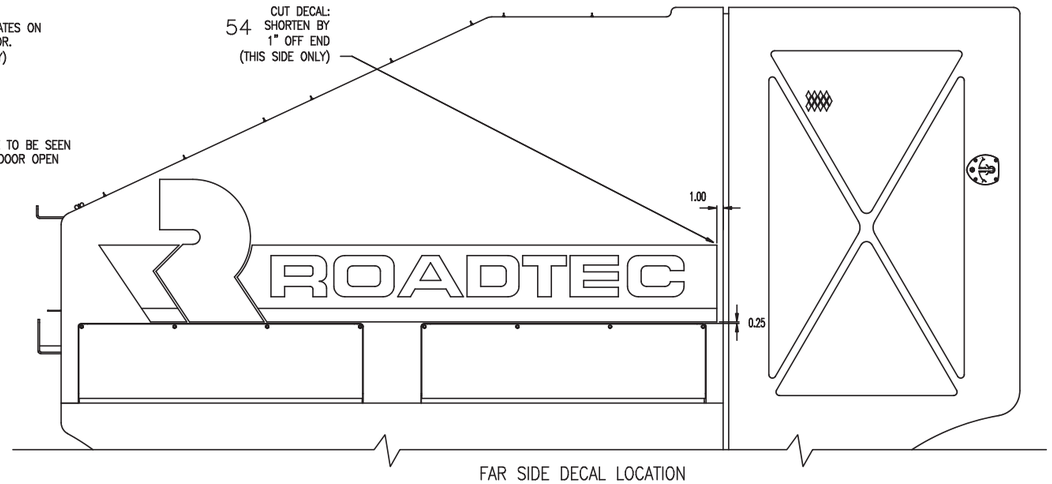
# DECAL KIT, SB-2500eX
# ( 242848-01 )

| 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 |

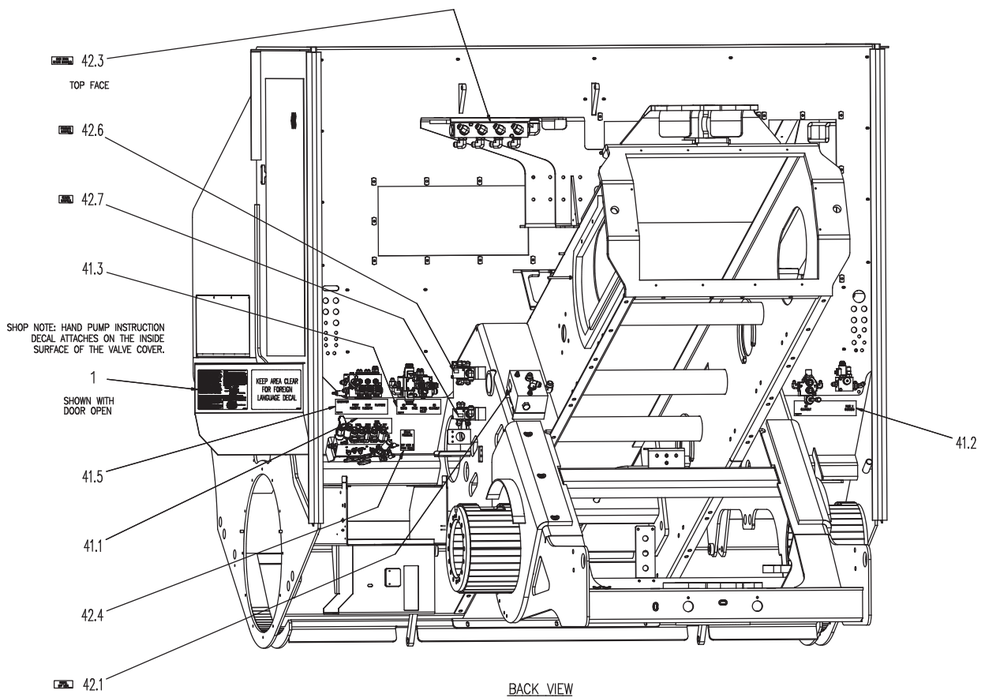
# DECAL KIT, SB-2500eX
# ( 242848-01 )

NEXT PAGE

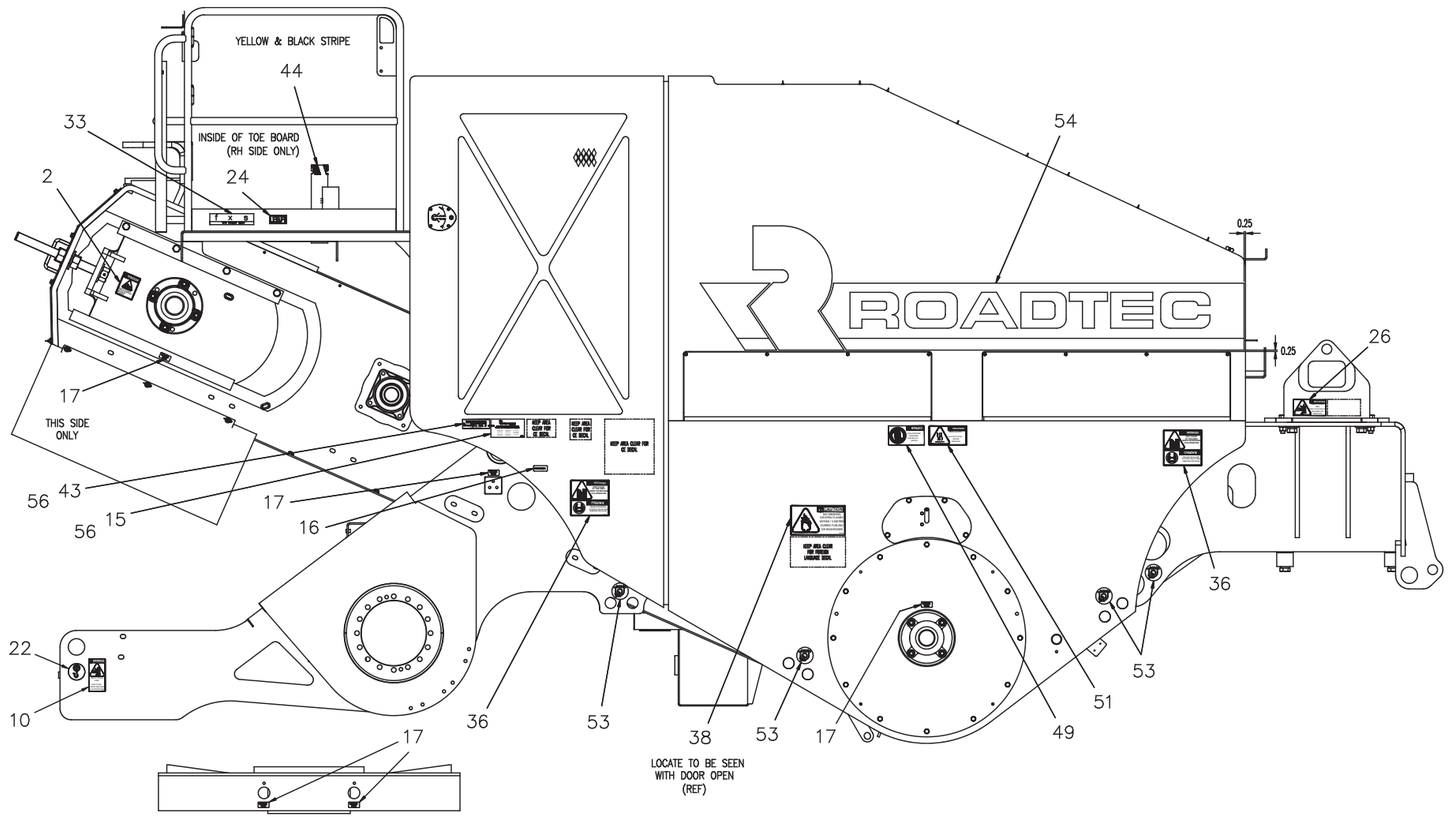



FAR SIDE DECAL LOCATION
(LH SIDE)




BACK VIEW




REAR VIEW OF C3 PIVOT BOX

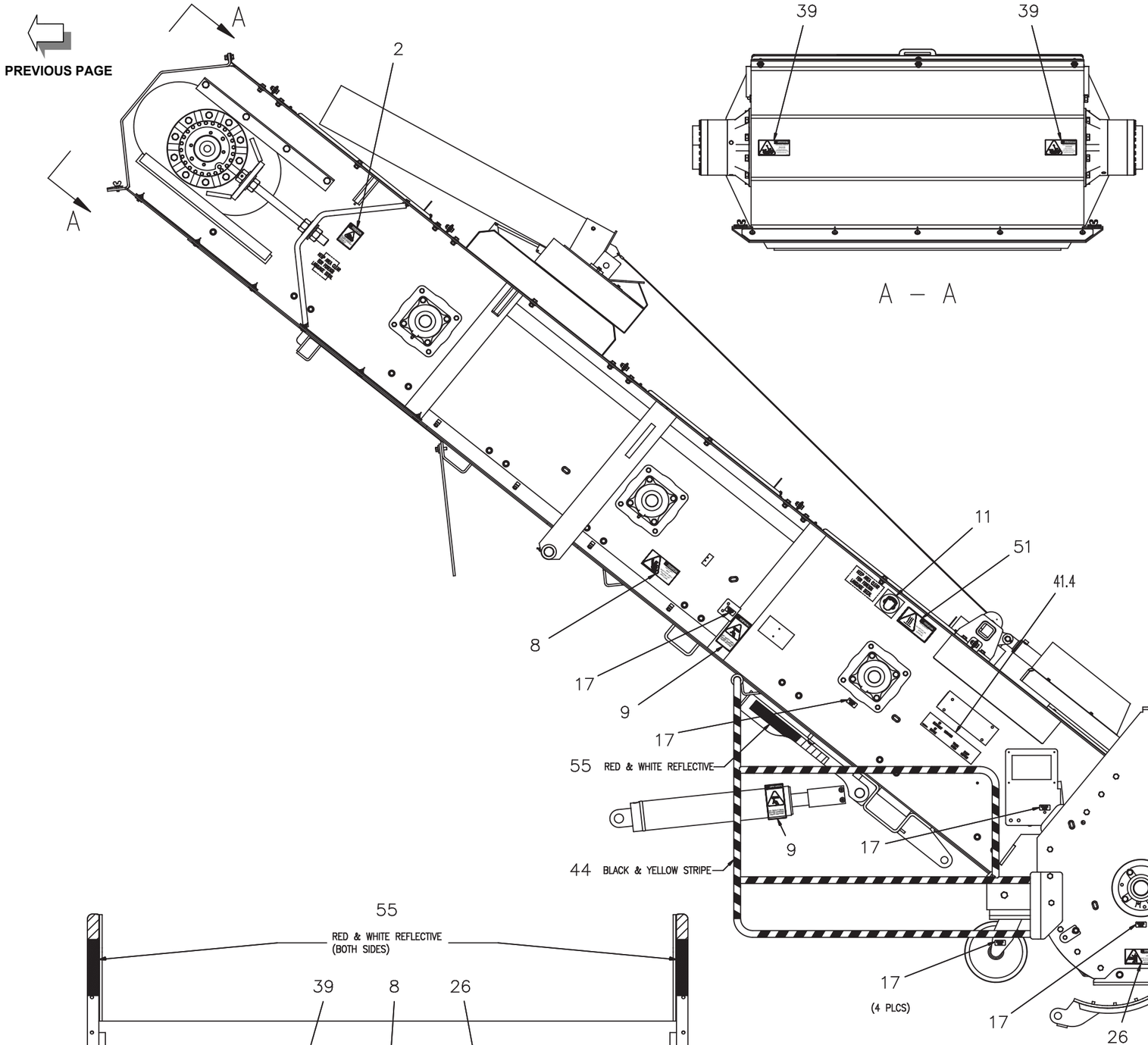


ROADTEC
an Astec Industries Company

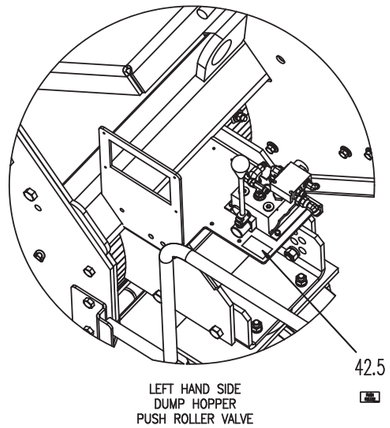
PREVIOUS PAGE

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

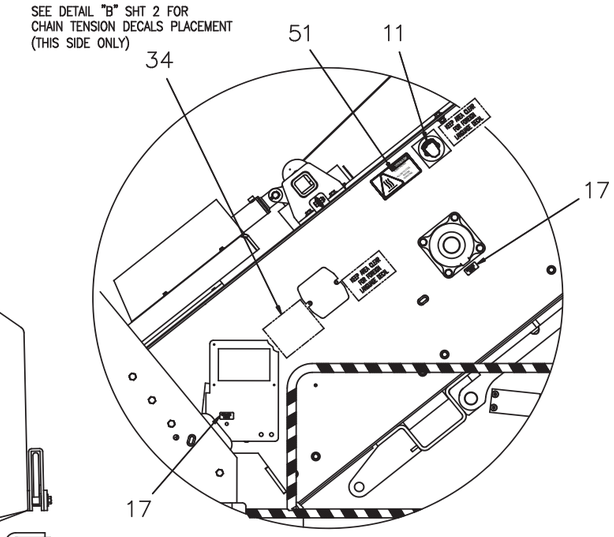
NEXT PAGE




RH VIEW OF C1




LEFT HAND SIDE
DUMP HOPPER
PUSH ROLLER VALVE



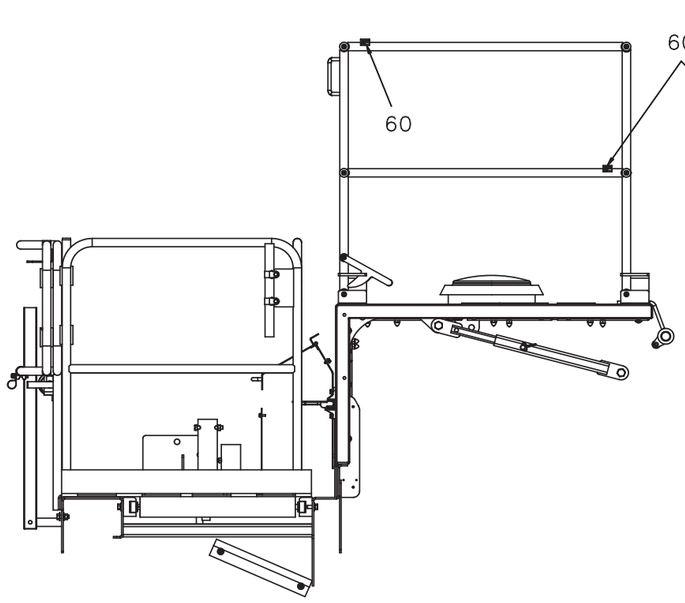

LEFT SIDE

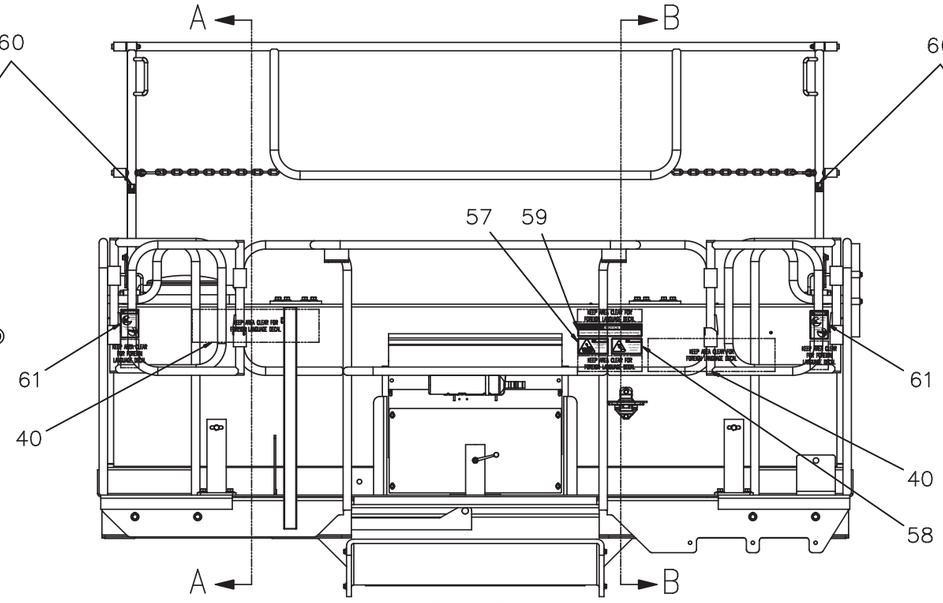


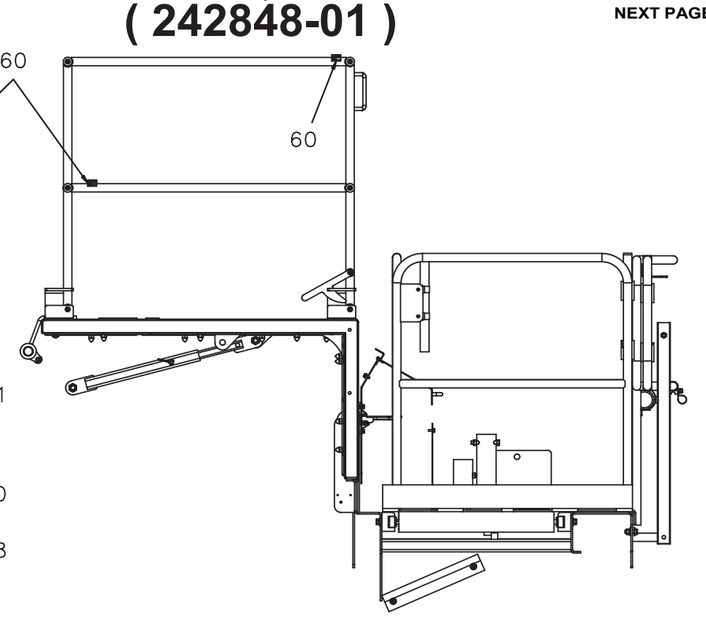

FRONT VIEW OF C1

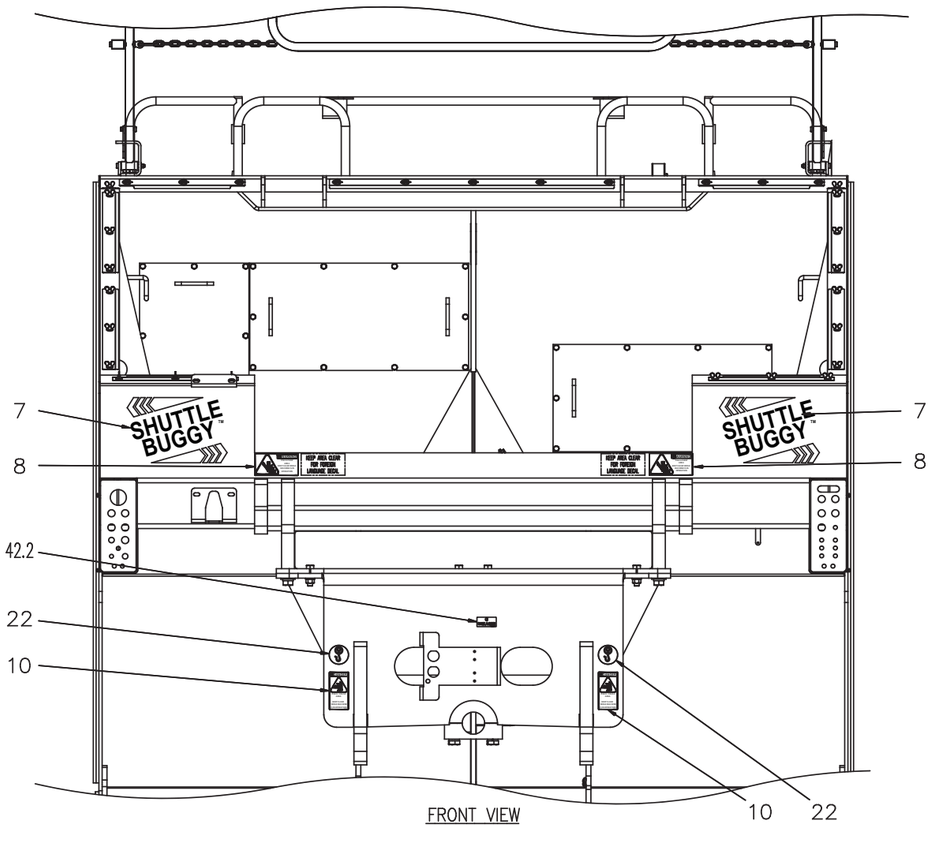
# DECAL KIT, SB-2500eX
# ( 242848-01 )





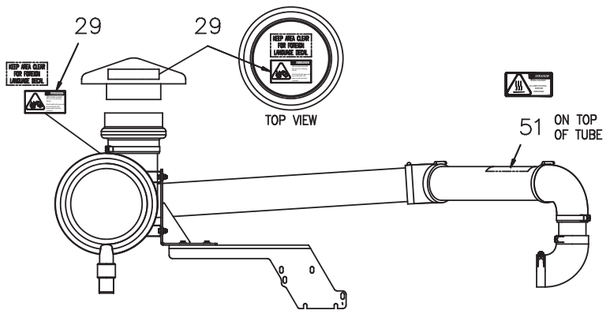



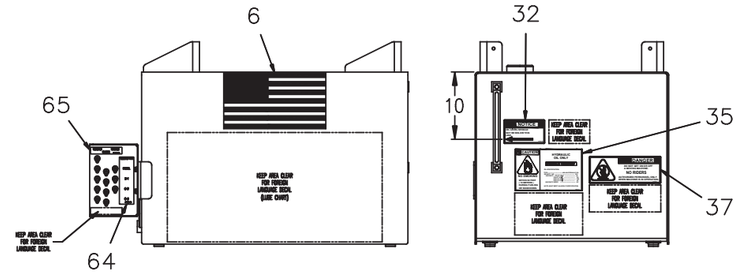
PREVIOUS PAGE

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

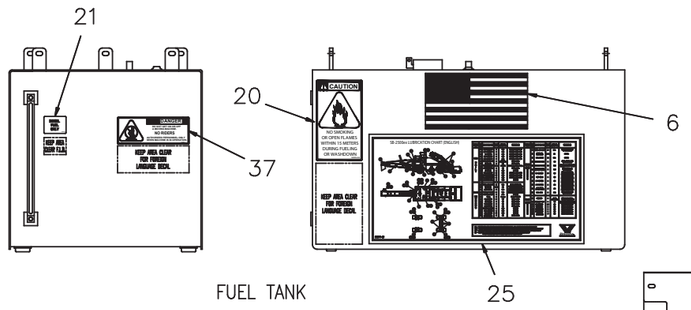
NEXT PAGE



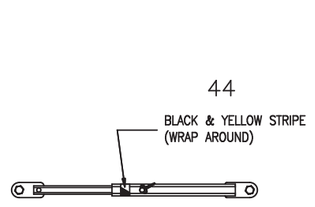

AIR INTAKE



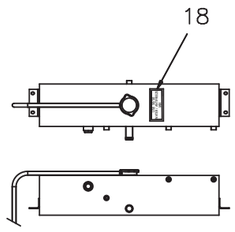

HYDRAULIC TANK



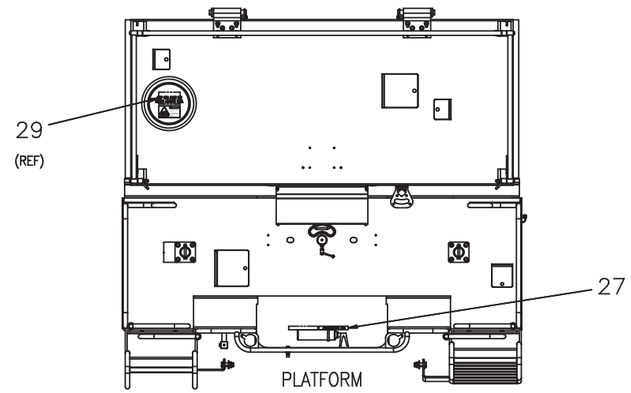

FUEL TANK




HOOD PROP

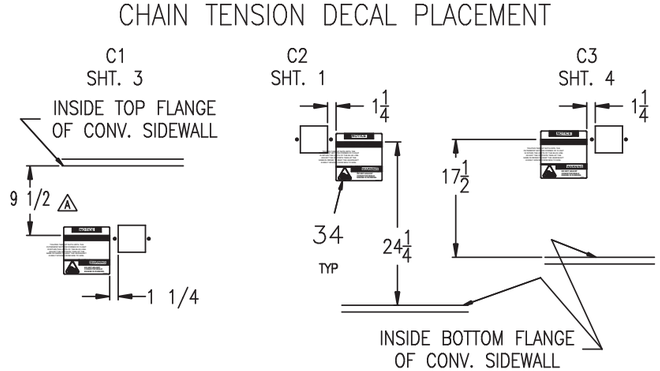



EXPANSION TANK



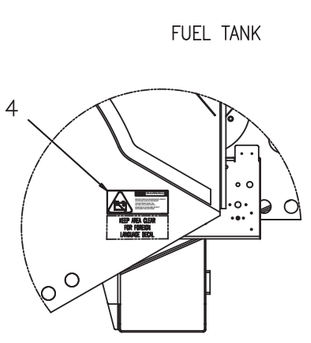

PLATFORM
TOP VIEW
(SCALE REDUCED)

## CHAIN TENSION DECAL PLACEMENT

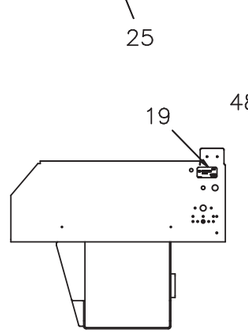



(NOT TO SCALE)

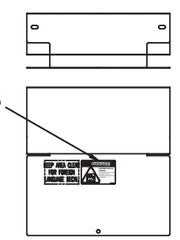
## DETAIL "B"



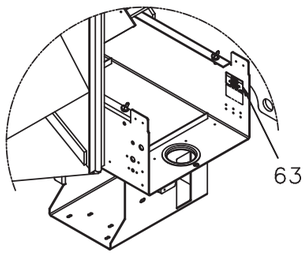

BATTERY BOX
(LEFT DOOR OPEN)

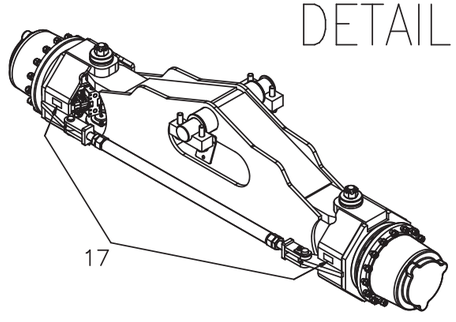



BATTERY BOX

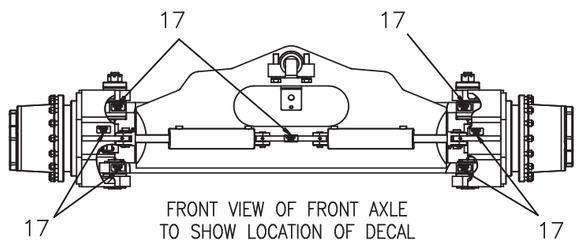



BATTERY BOX LID

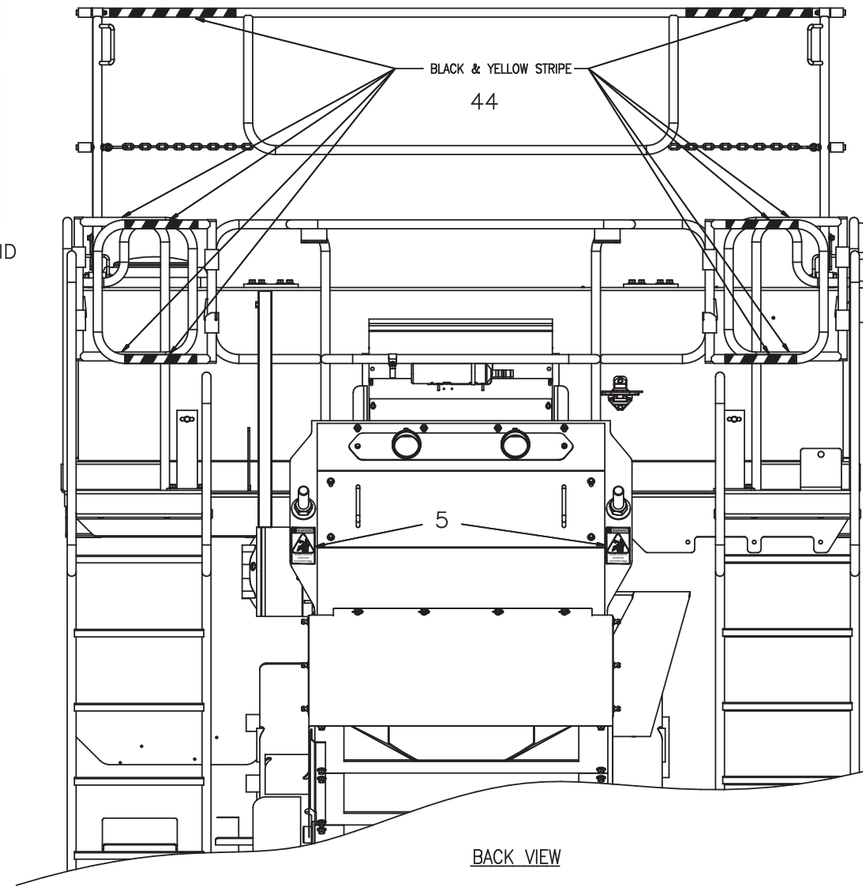



ISO VIEW BACK OF FRONT AXLE



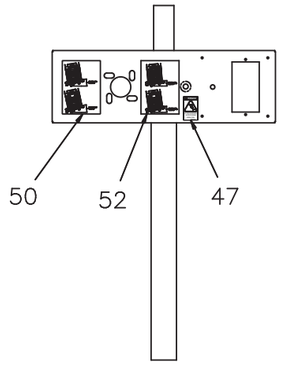

FRONT VIEW OF FRONT AXLE
TO SHOW LOCATION OF DECAL



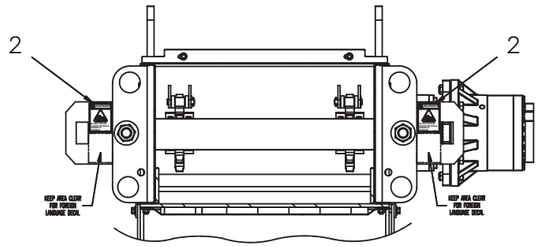

BACK VIEW

PREVIOUS PAGE

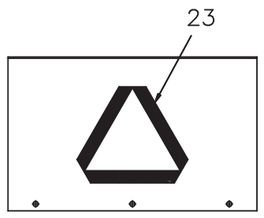
# DECAL KIT, SB-2500eX
# ( 242848-01 )




OPERATOR'S CONSOLE

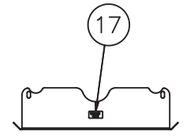



B – B

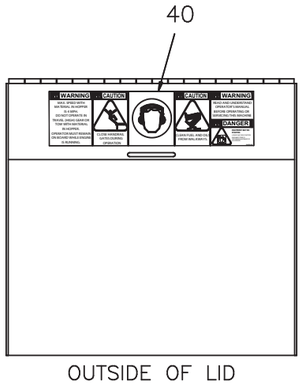


END VIEW

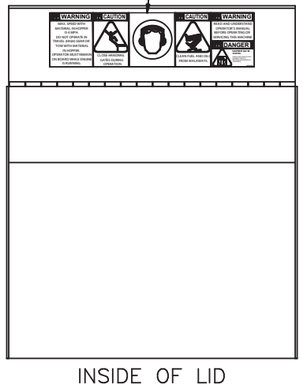



DETAIL C3 PIVOT GUARD

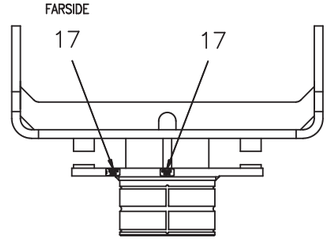



OUTSIDE OF LID




INSIDE OF LID

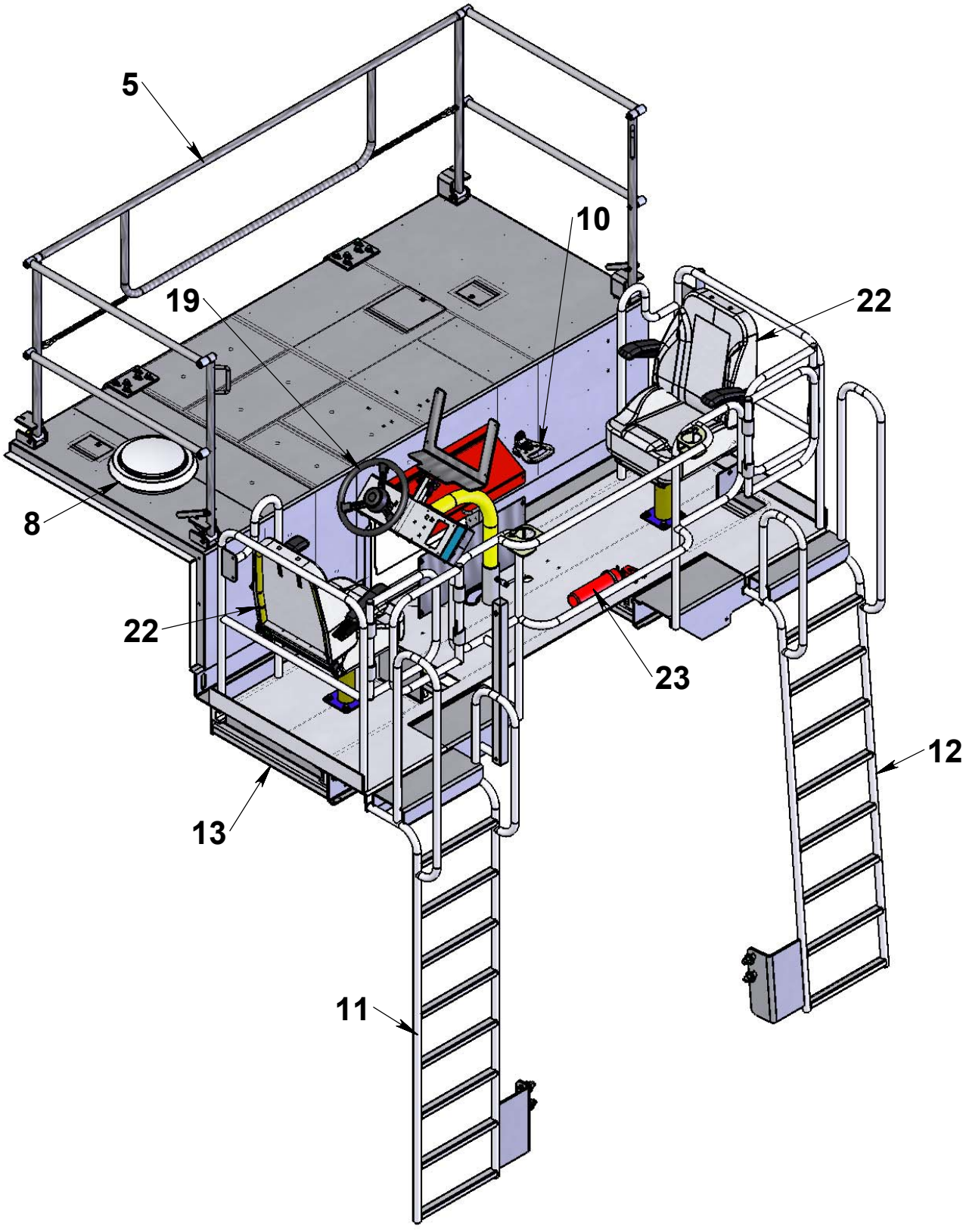
CENTER CONSOLE




REAR VIEW OF C3 CONVEYOR PIVOT

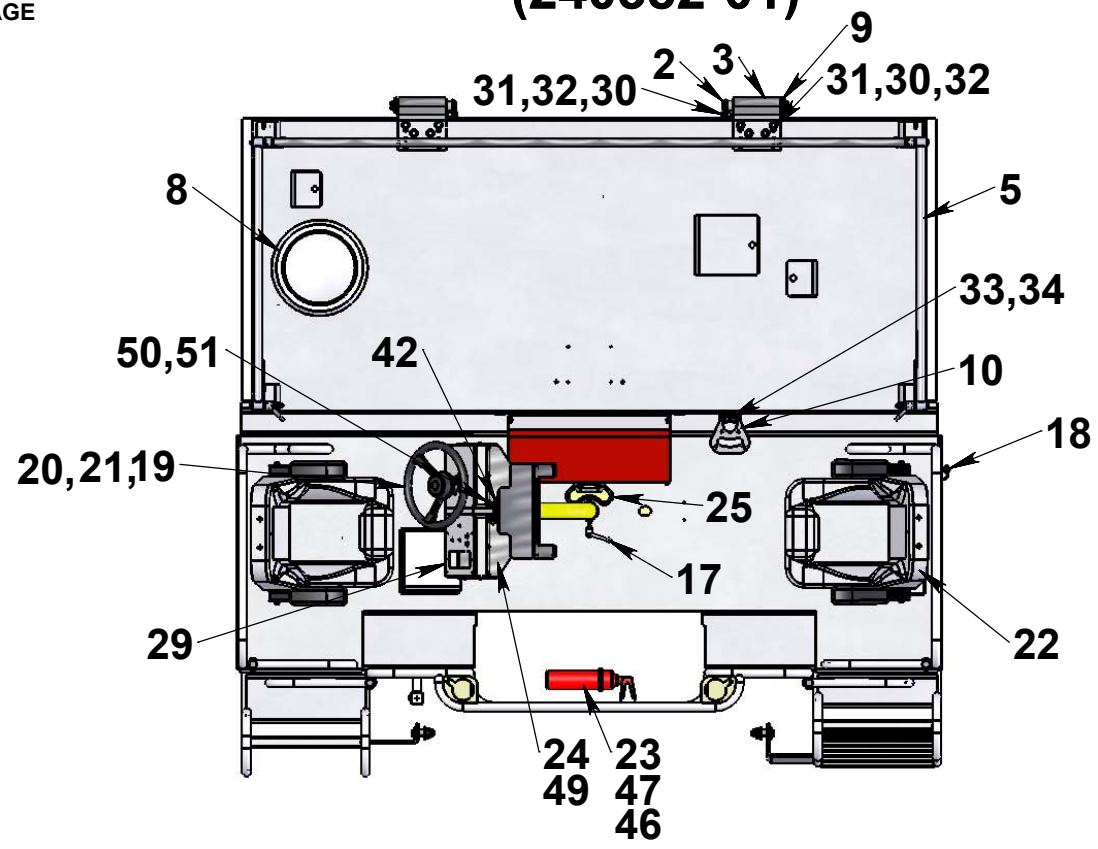
# ASSY- SLIDING PLATFORM & HOOD SN-2500E (240382-01)

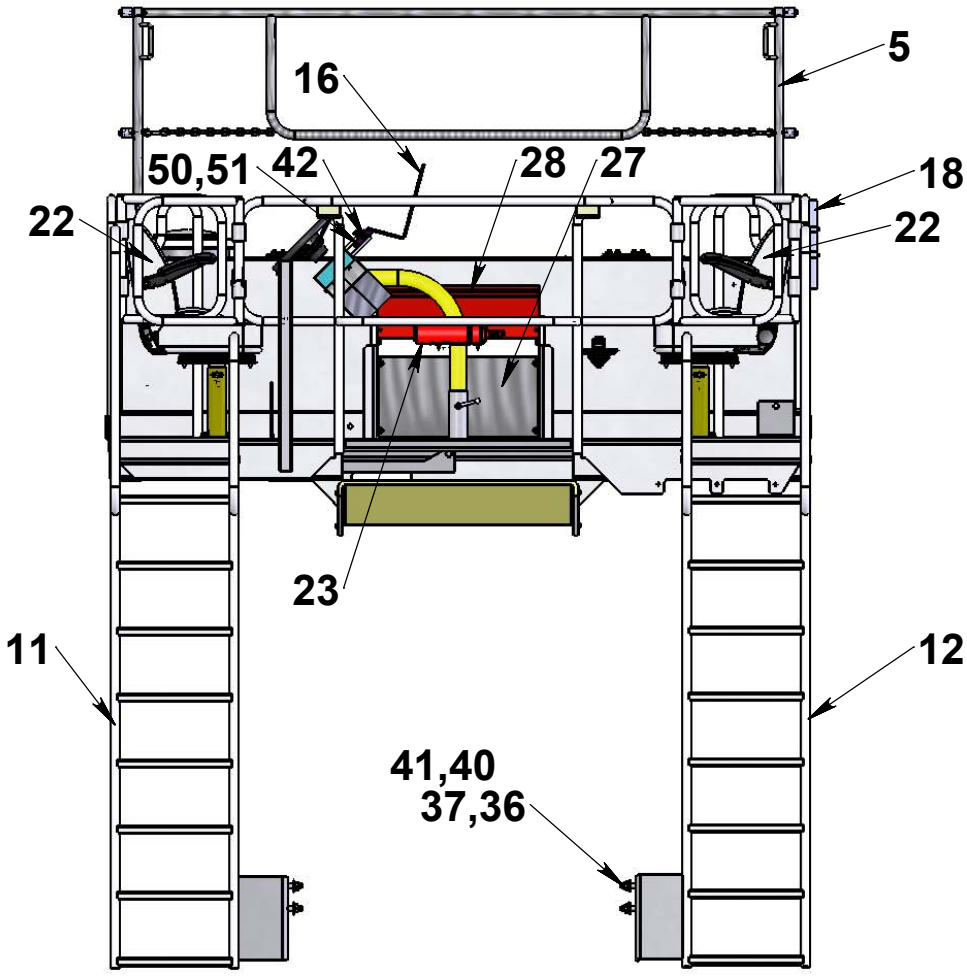
NEXT PAGE



# ASSY-SLIDING PLATFORM & HOOD 25E (240382-01)

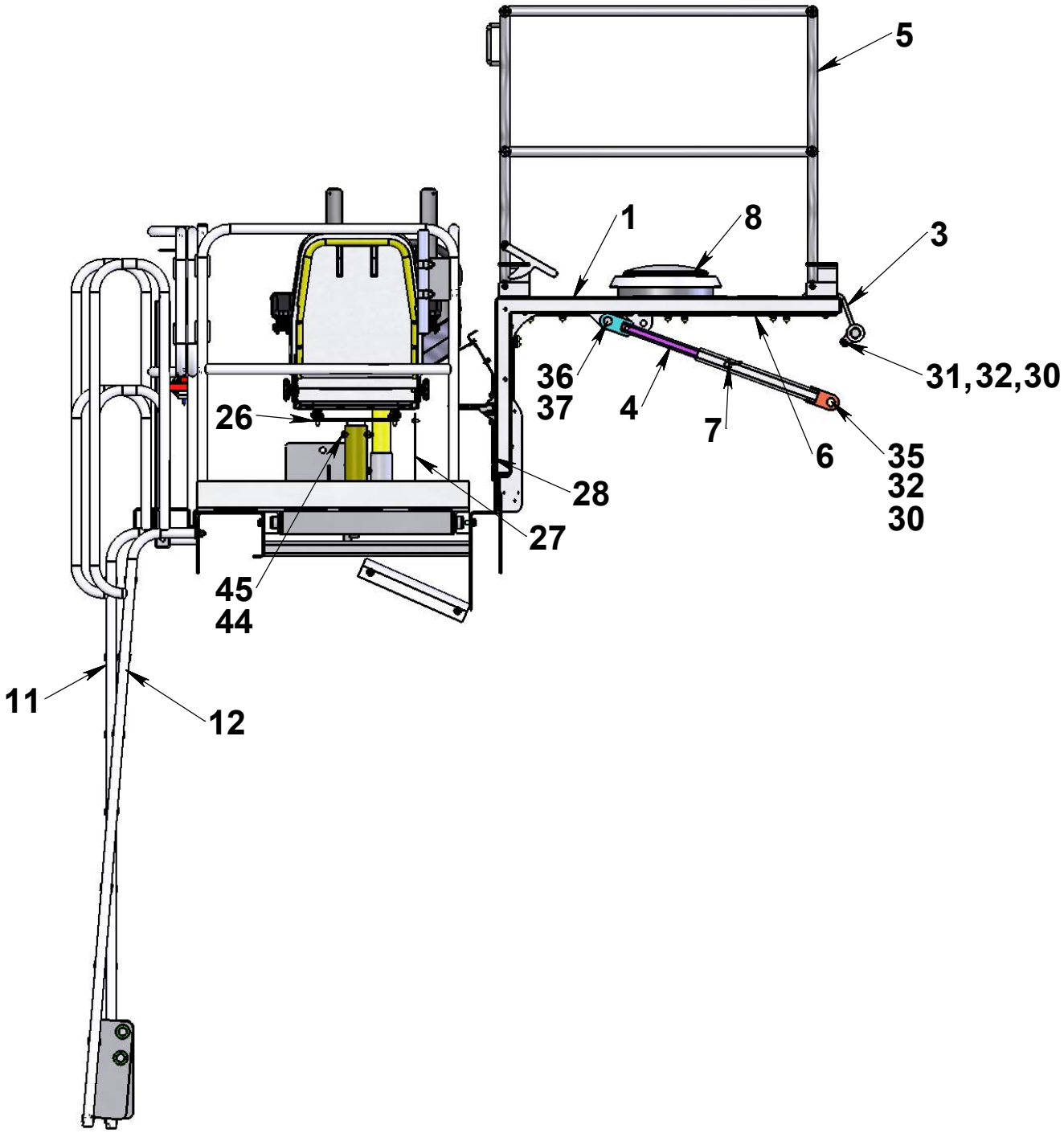




PREVIOUS PAGE

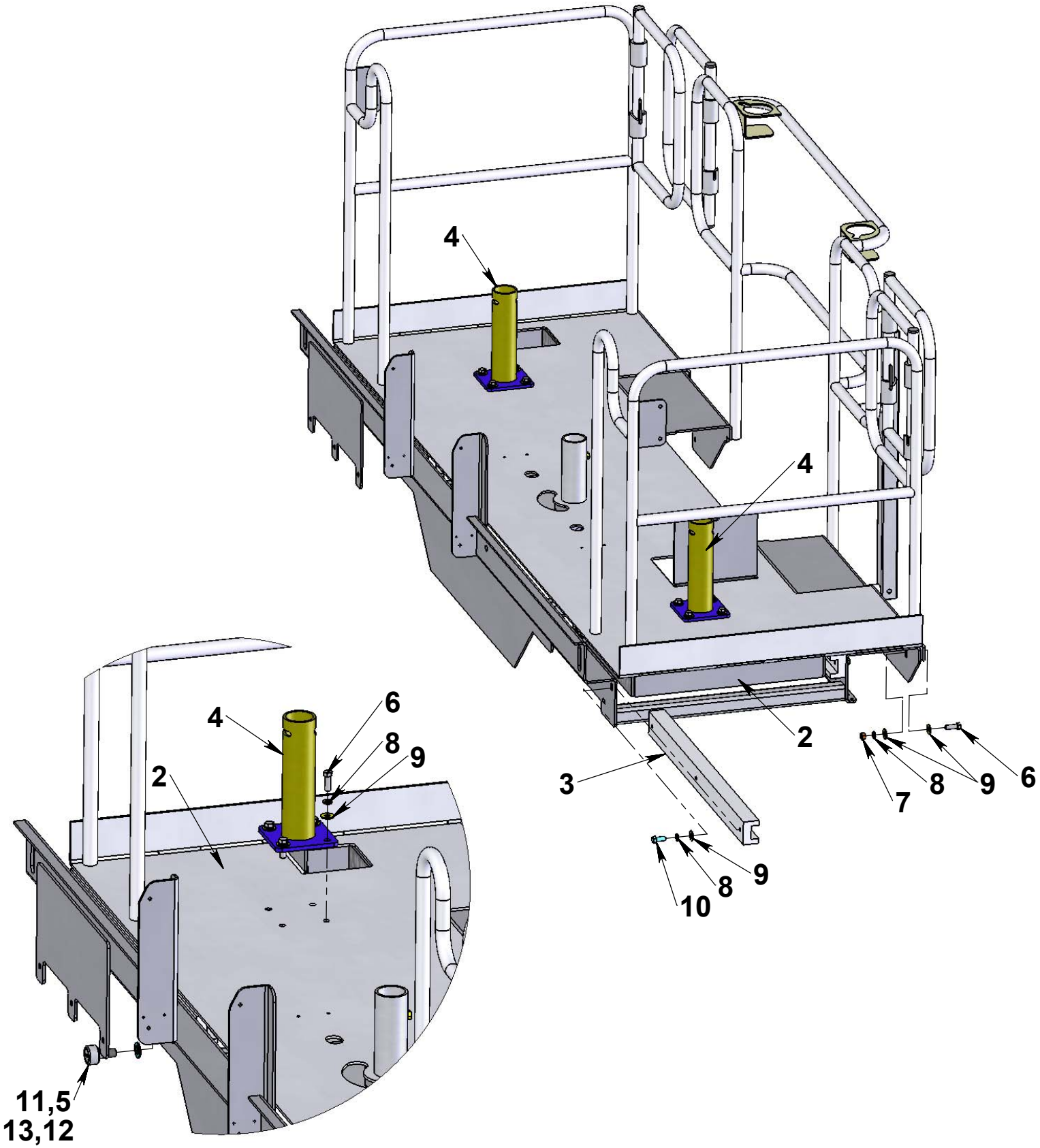
# ASSY-SLIDING PLATFORM & HOOD 25E (240382-01)



# ASSY-SLIDING PLATFORM & HOOD 25E (240382-01)

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 240635-01 | WELDMENT-HOOD | 1 |
| 2 | 146491-04 | WELDMENT-HOOD PIN | 2 |
| 3 | 239170-01 | WELDMENT-HOOD HINGE | 2 |
| 4 | 203965-03 | WELDMENT-HOOD PROP-SB-2500C | 1 |
| 5 | 240677-01 | ASSEMBLY-HOOD RAIL, SB-2500E 3M | 1 |
| 6 | 240636-01 | ASSEMBLY-HOOD INSULATION | 1 |
| 7 | 205278-04 | PIN * SAFETY SNAP 1/2-3 | 1 |
| 8 | 203088-03 | ENGINE * 8" INLET HOOD | 1 |
| 9 | 228575-04 | DETAIL - HINGE SPACER | 2 |
| 10 | 224761-03 | MODIFICATION - STEP * FOLDING | 1 |
| 11 | 236712-01 | WELDMENT-LH SLIDING PLATFORM LADDER | 1 |
| 12 | 236711-01 | WELDMENT-RH SLIDING PLATFORM LADDER | 1 |
| 13 | 238898-01 | ASSEMBLY-SLIDING PLATFORM SB-2500E | 1 |
| 14 | 240120-04 | INSUL * SLIDING PLATFORM SB2500E | 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 | 240733-01 | WELDMENT-OPERATORS CONSOLE 2500E | 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" | 8 |
| 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 | 10 |
| 47 | 89773 | BOLT * HEX 1/4"-20 X 1" | 2 |
| 48 | 84444 | WASHER * FLAT 1/4" STEEL | 8 |
| 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 |

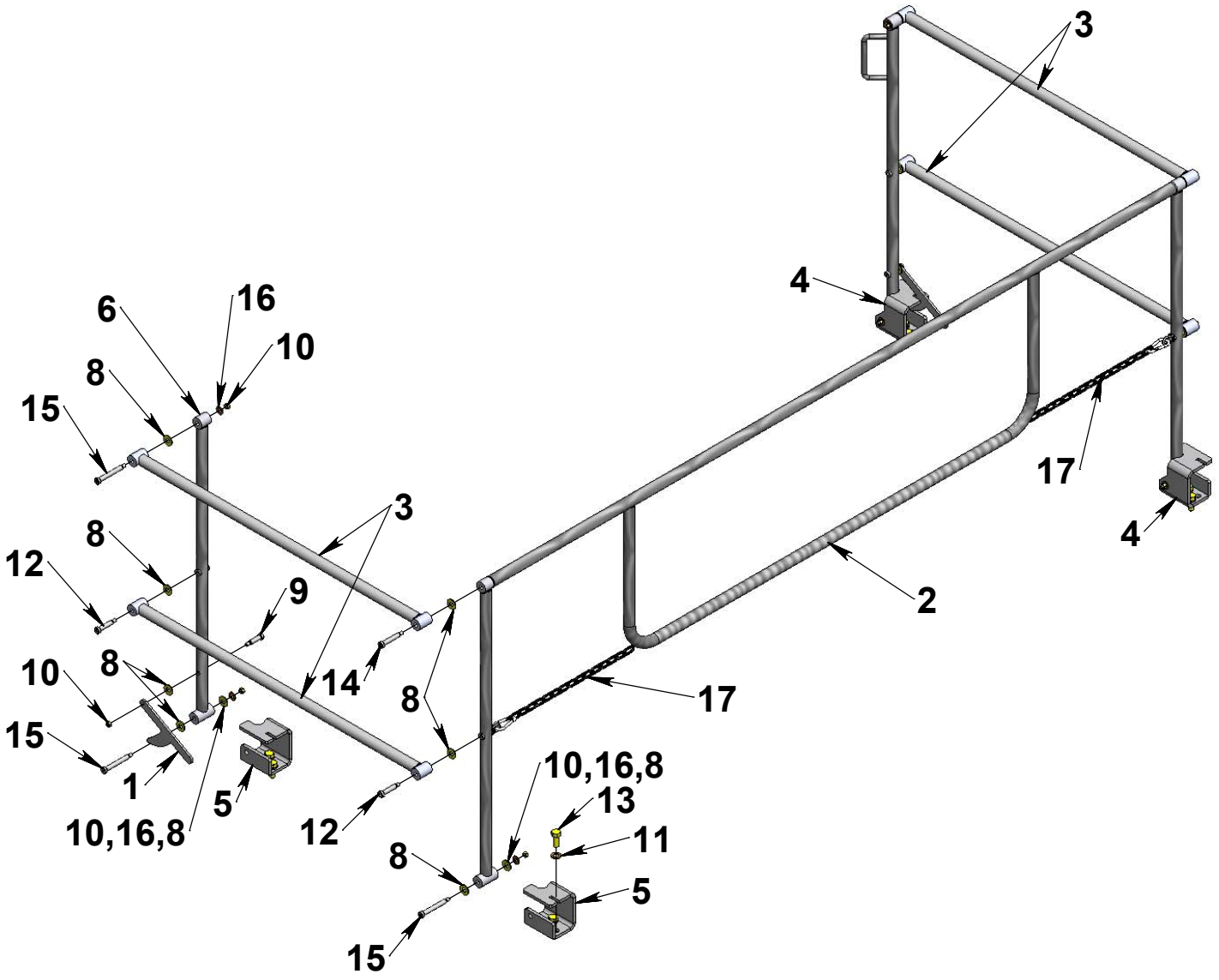
# ASSEMBLY-SLIDING PLATFORM SB-2500E
# (238898-01)



# ASSEMBLY-SLIDING PLATFORM SB-2500E (238898-01)

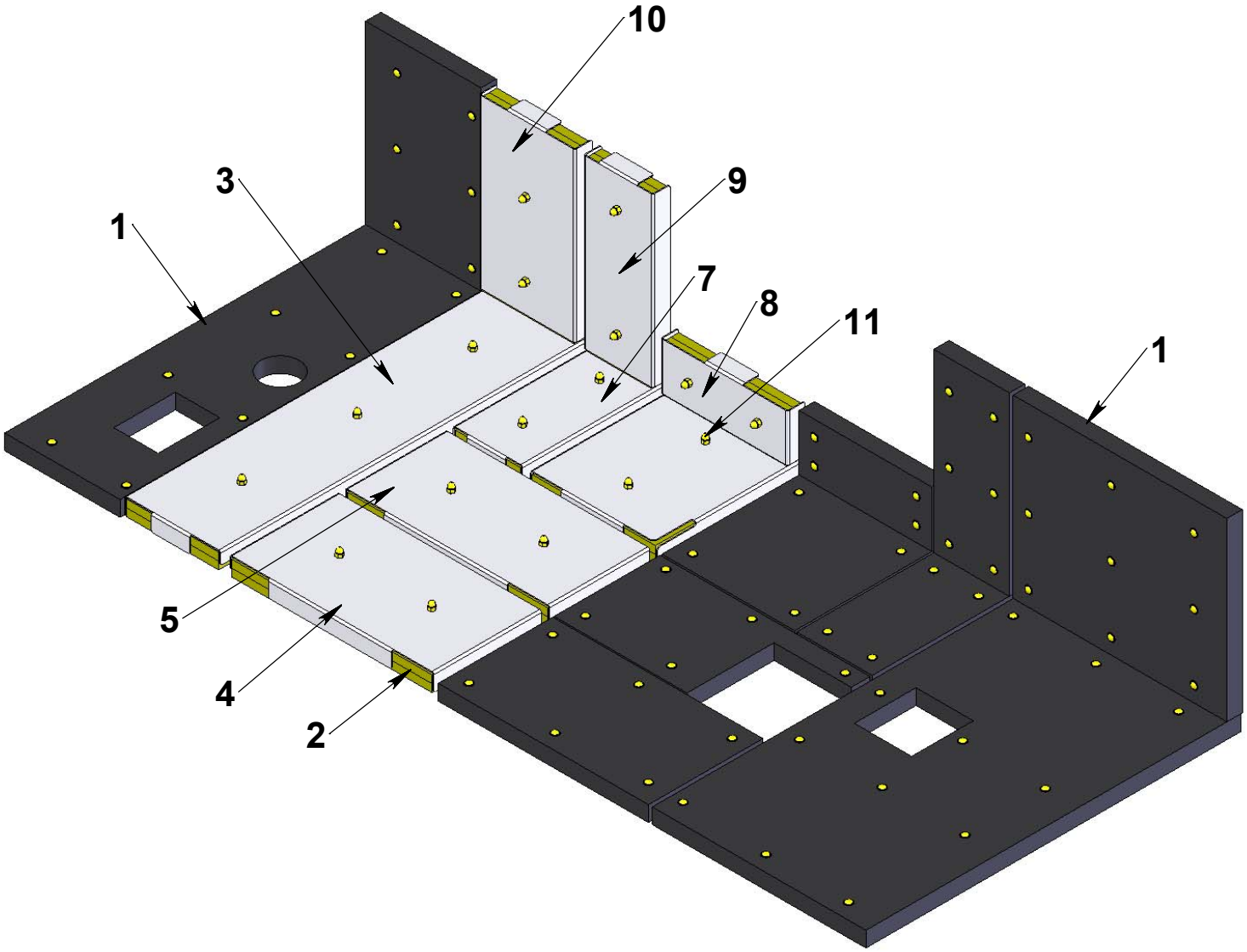
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 236539-01 | WELDMENT-SLIDING PLATFORM SUPPORT | 1 |
| 2 | 236540-01 | WELDMENT-SLIDING CONTROL PLATFORM | 1 |
| 3 | 236541-03 | DETAIL-PLATFORM SLIDE GUIDE | 4 |
| 4 | 223735-01 | WELDMENT-SEAT PEDESTAL | 2 |
| 5 | 137544-04 | BEARING * CAM FOLLOWER | 8 |
| 6 | 93144 | BOLT * HEX 1/2"-13 X 1 1/2" | 12 |
| 7 | 83288 | NUT * 1/2"-13 HEX GRADE 8 | 4 |
| 8 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 24 |
| 9 | 83781-04 | WASHER * FLAT 1/2" STEEL | 28 |
| 10 | 86164 | BOLT * HEX 1/2"-13 X 1 1/4" | 12 |
| 11 | 95937 | WASHER * FLAT 3/4" HARD | 8 |
| 12 | 84071-04 | NUT * 3/4"-10 ASTM HEX 563 A GR.8 | 8 |
| 13 | 83752-04 | WASHER ~ LOCK 3/4" SPRING STEEL | 8 |

# ASSEMBLY-HOOD RAIL, SB-2500E 3M (240677-01)



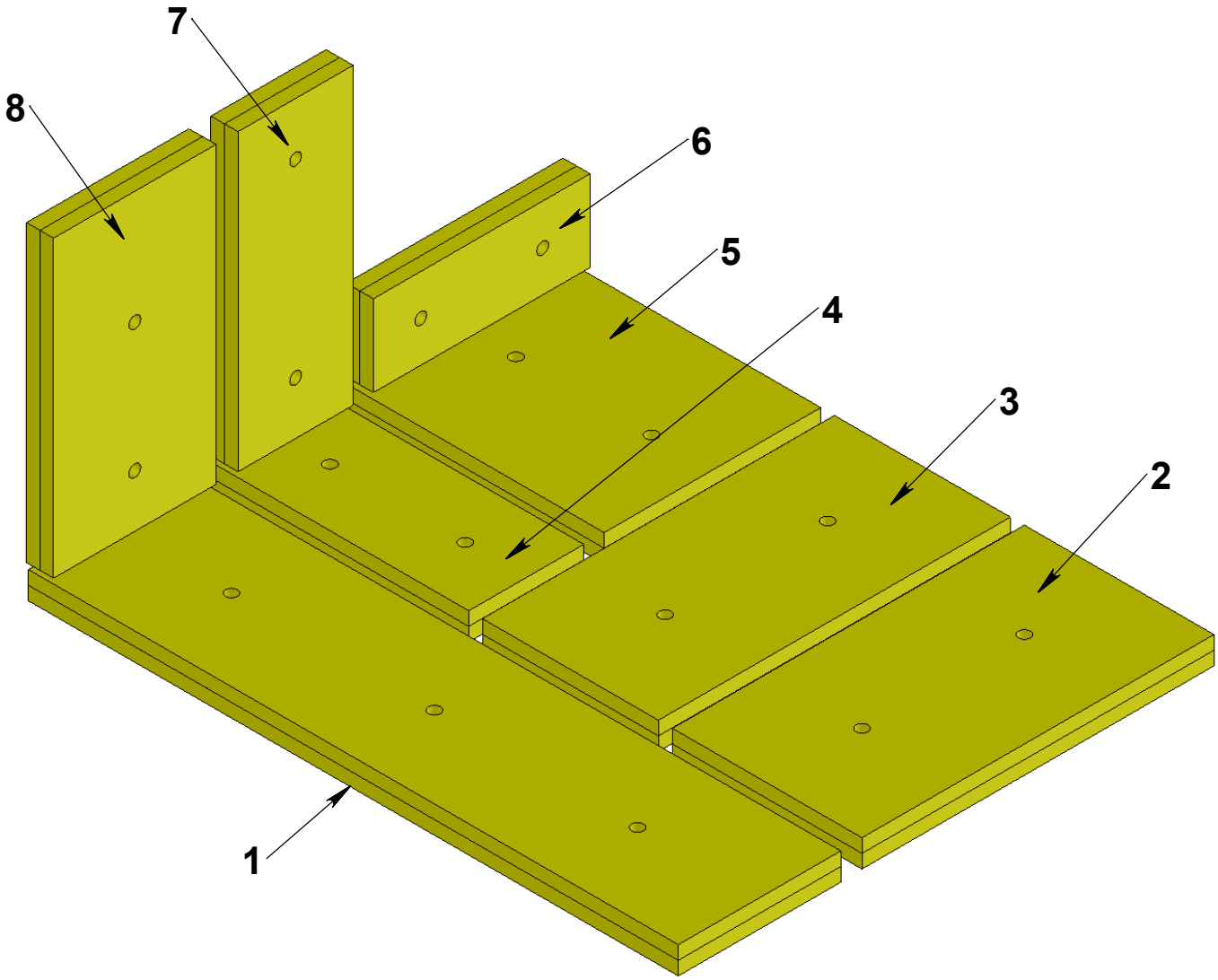

| ITEM # | PART # | DESCRIPTION | Default/ QTY. |
|---|---|---|---|
| 1 | 225110-03 | DETAIL-HOOD RAIL, CLAMP | 2 |
| 2 | 224026-01 | WELDMENT-HOOD RAIL, FRONT | 1 |
| 3 | 224027-01 | WELDMENT-HOOD RAIL, TOP & MID | 4 |
| 4 | 240669-03 | WELDMENT-HOOD RAIL MOUNT, LEFT | 2 |
| 5 | 240670-03 | WELDMENT-HOOD RAIL MOUNT, 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 | 223281-04 | BOLT * SHOULDER 1/2, 3/8-16 X 1 1/2 L | 2 |
| 10 | 92235 | NUT * 3/8"-16 LOCK GRADE 8 | 8 |
| 11 | 84717 | WASHER * LOCK 5/8" SPRING STEEL | 8 |
| 12 | 142342 | BOLT * SHOULDER 3/8-16 X 1/2 X 2 | 4 |
| 13 | 84778 | HEX BOLT * 5/8-11 X 1 1/2 LG | 8 |
| 14 | 140077 | SHOULDER BOLT * 1/2 X 2 1/2 W/3/8TH | 2 |
| 15 | 224261-04 | SHOULDER BOLT * 1/2, 3/8-16 X 3 1/2 L | 6 |
| 16 | 83757 | WASHER ~ FLAT 3/8 STEEL | 6 |
| 17 | 127750 | CHAIN * 1/4" COIL PROOF | 32 |
| 18 | 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)

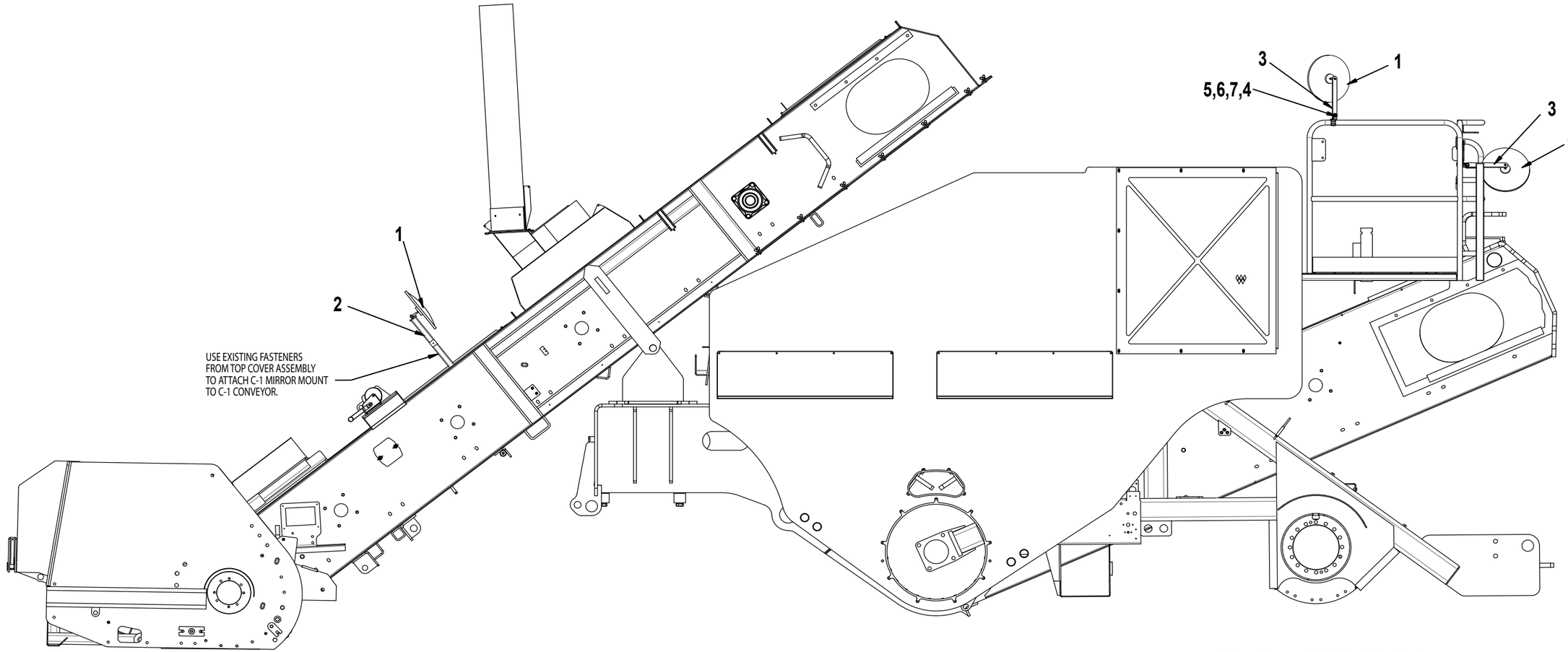



| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 238485-01-1 | MINERAL WOOL, 1 x 12 x 48, MINERAL WOOL | 2 |
| 2 | 238485-01-2 | MINERAL WOOL, 1 x 14 x 26, MINERAL WOOL | 2 |
| 3 | 238485-01-3 | MINERAL WOOL, 1 x 13 x 26, MINERAL WOOL | 2 |
| 4 | 238485-01-4 | MINERAL WOOL, 1 x 8 1/2 x 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 )

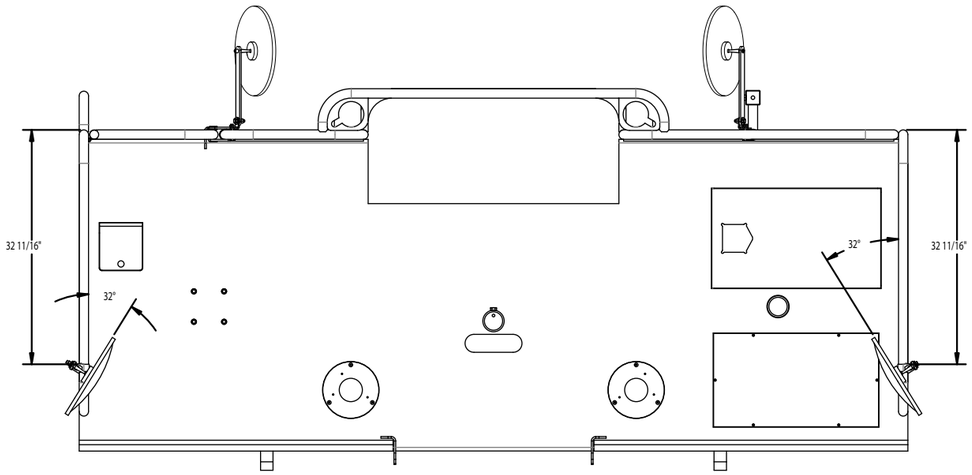
NEXT PAGE

| 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 |

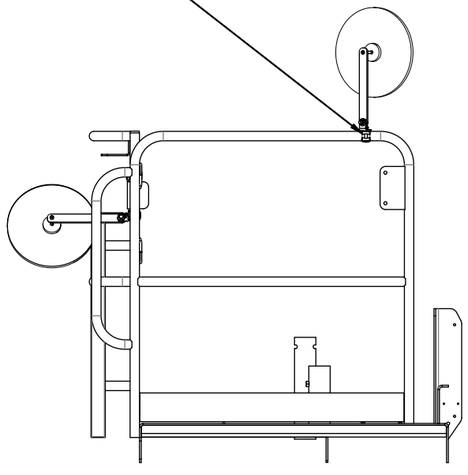


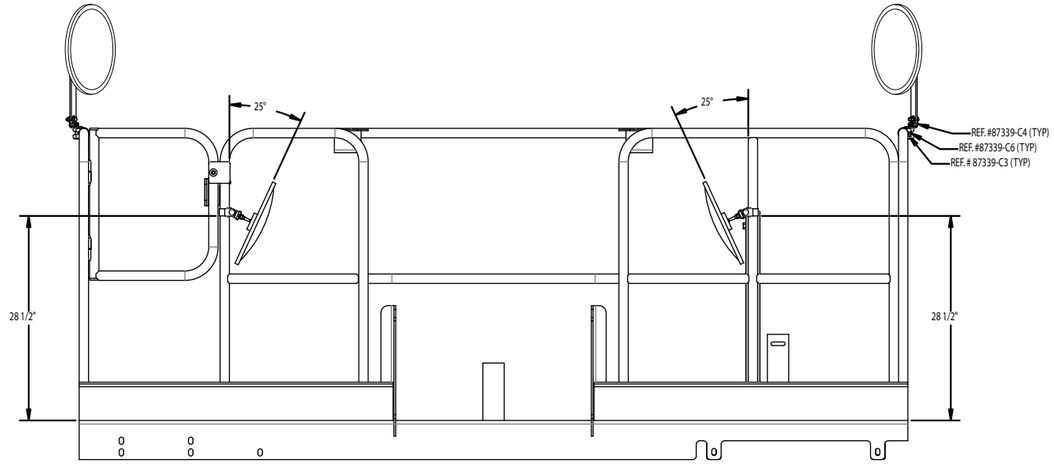

**ASSEMBLE MIRRORS AS SHOWN ON THE LEFT AND RIGHT SIDES OF THE MACHINE.**

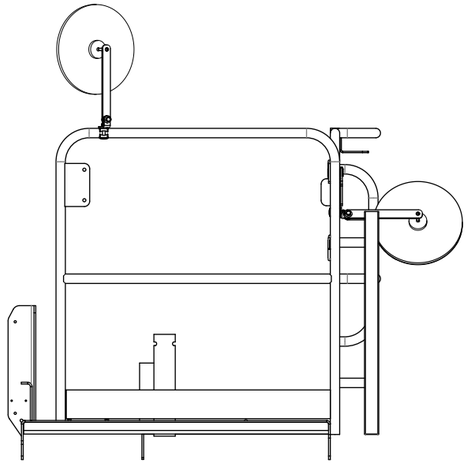
# MIRROR ASSEMBLY
# ( 202080-01 )




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.





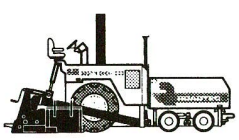



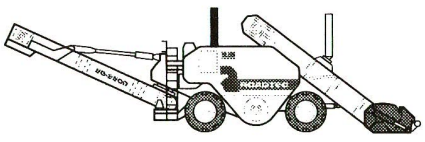
MIRROR ORIENTATION VIEWS

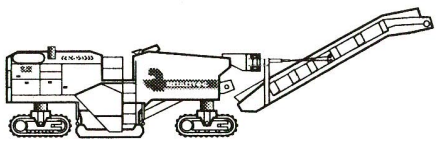
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







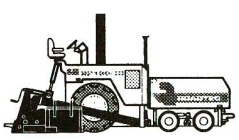
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

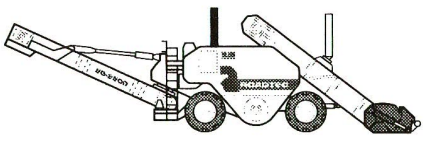
ROADTEC
an Astec Industries Company

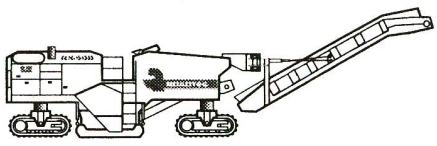
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







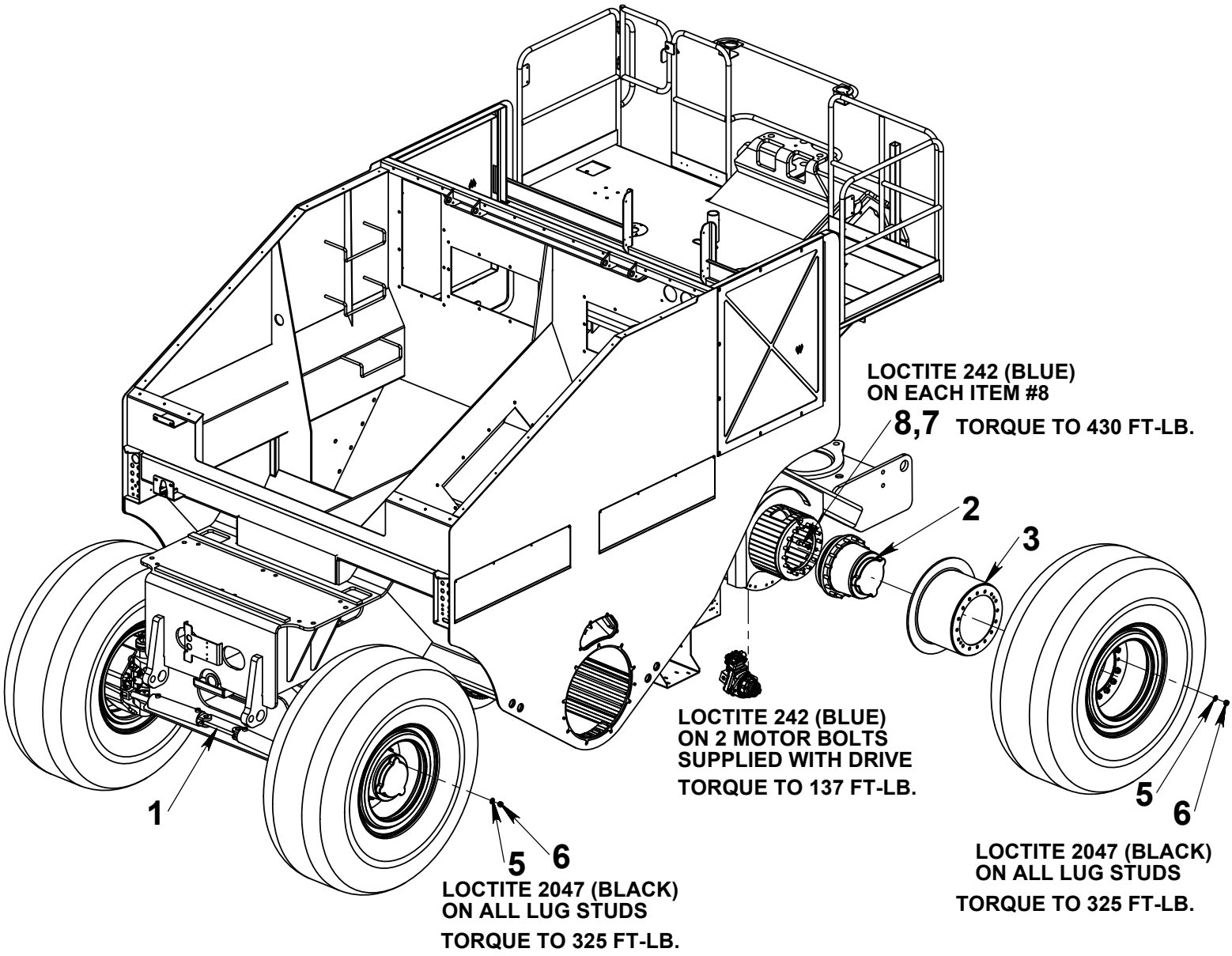
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

ROADTEC
an Astec Industries Company

# SECTION 3 : AXLE & DRIVE

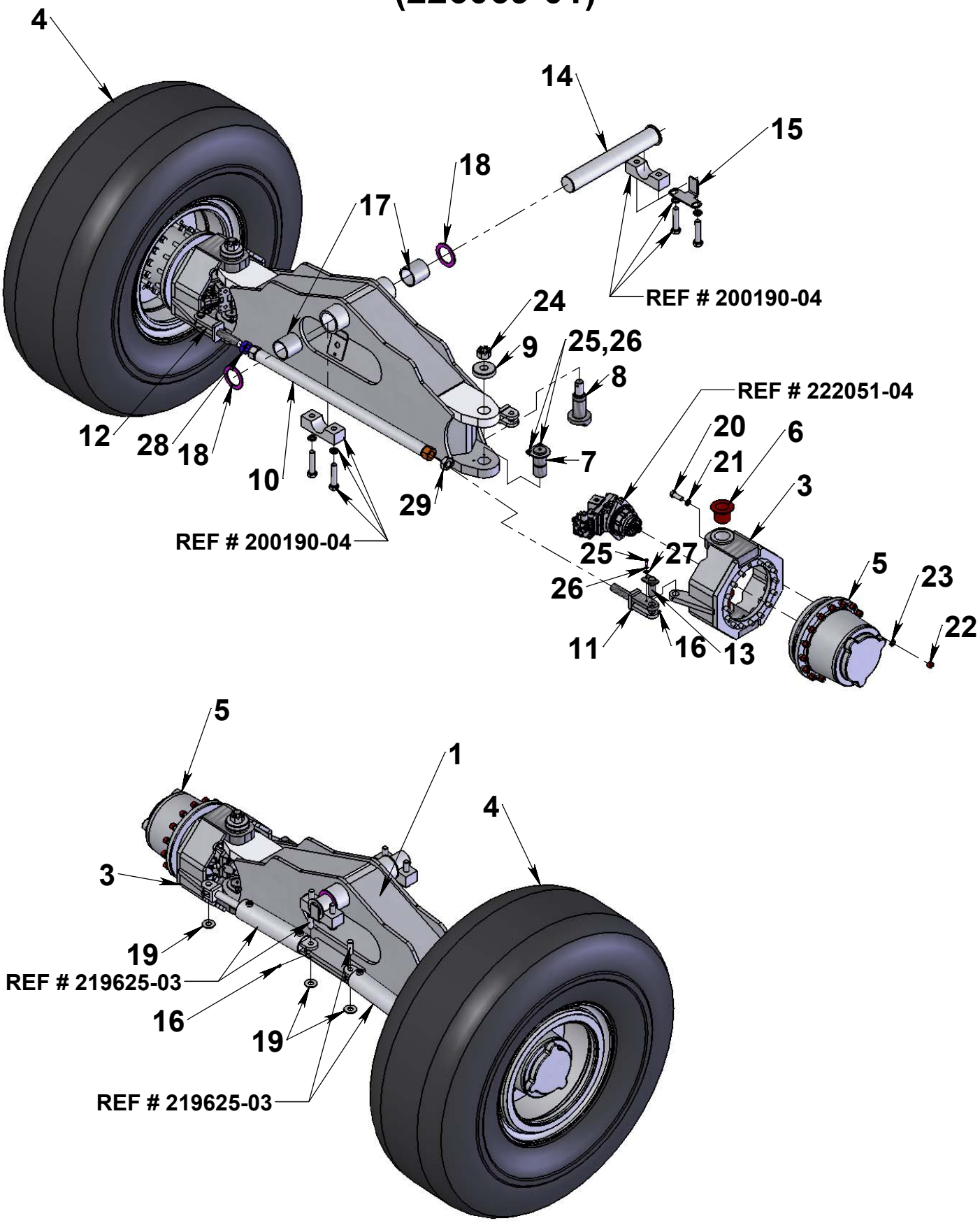

| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| FRONT & REAR AXLE | 242642-01 | | 3.1 |
| DRIVE AXLE | 226069-01 | | 3.3 |
| TRANS. GEAR BOX | 218897-01 | | 3.5 |
| PROPEL MOTOR | 222051-04 | | 3.7 |

# 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 |

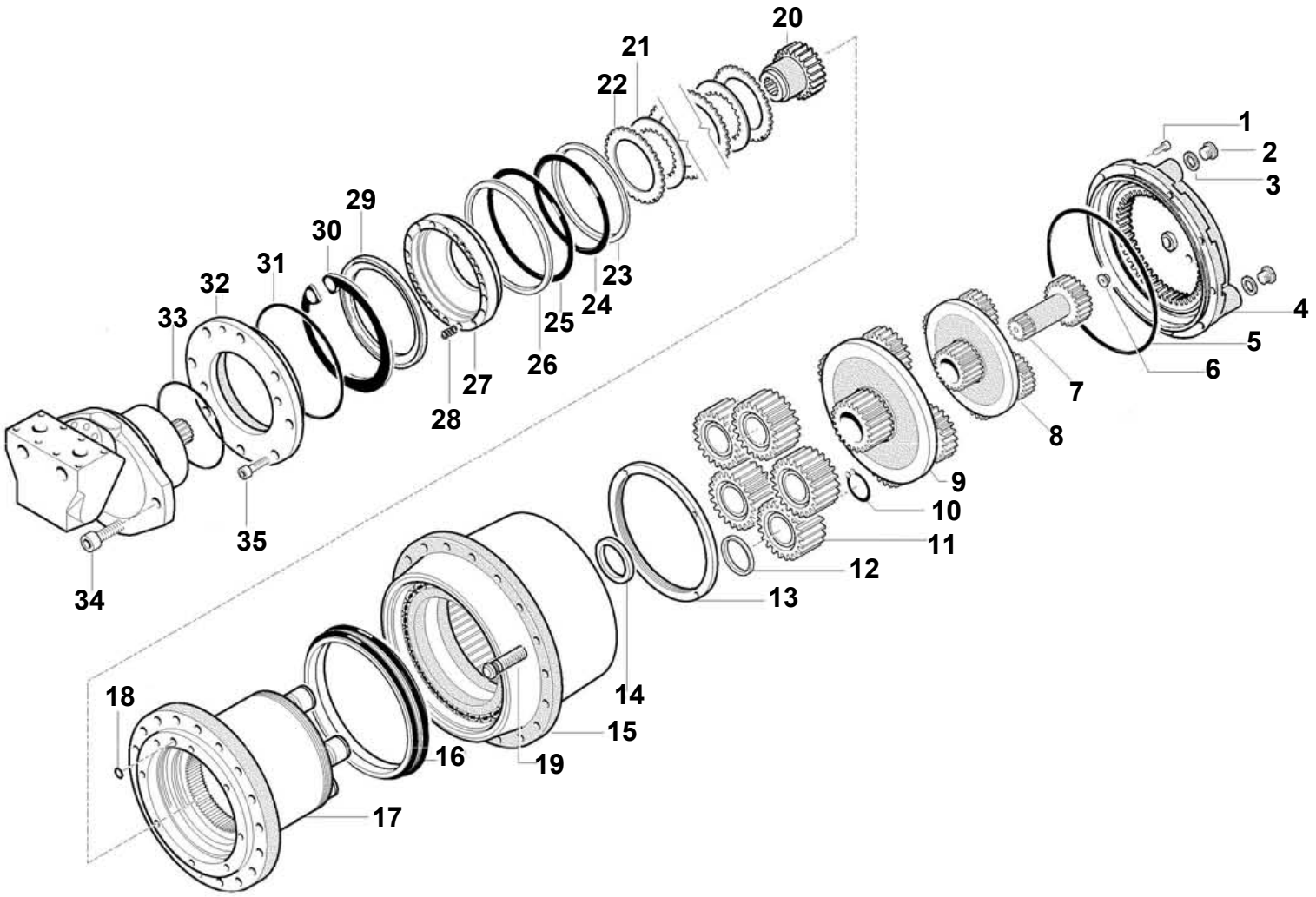
# ASSEMBLY-FRONT STEERING AXLE
# (226069-01)



# 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 )

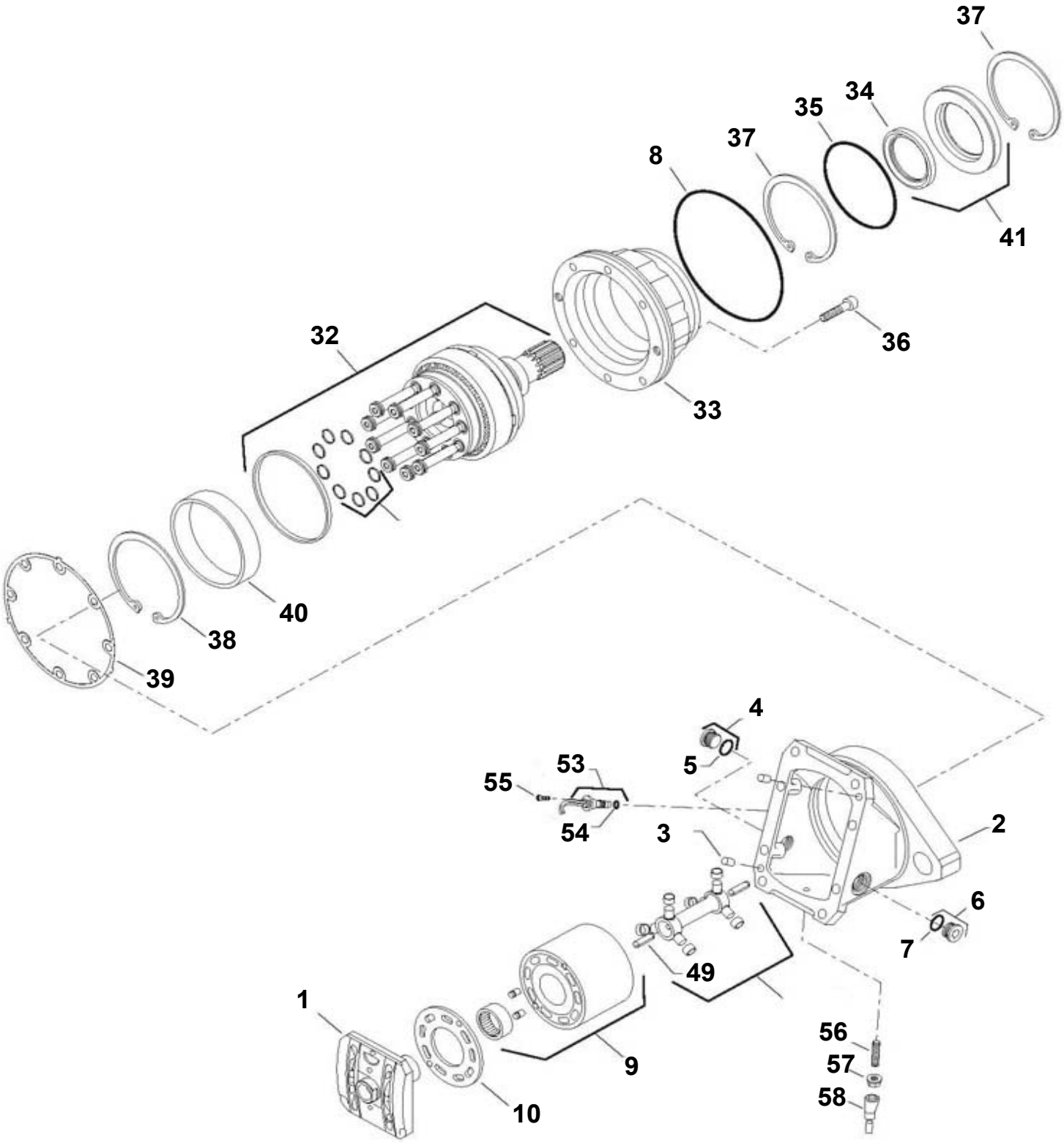


# SB-2500D TRANS. GEAR BOX ASSY.
# (218897-01)

| 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 | | | |

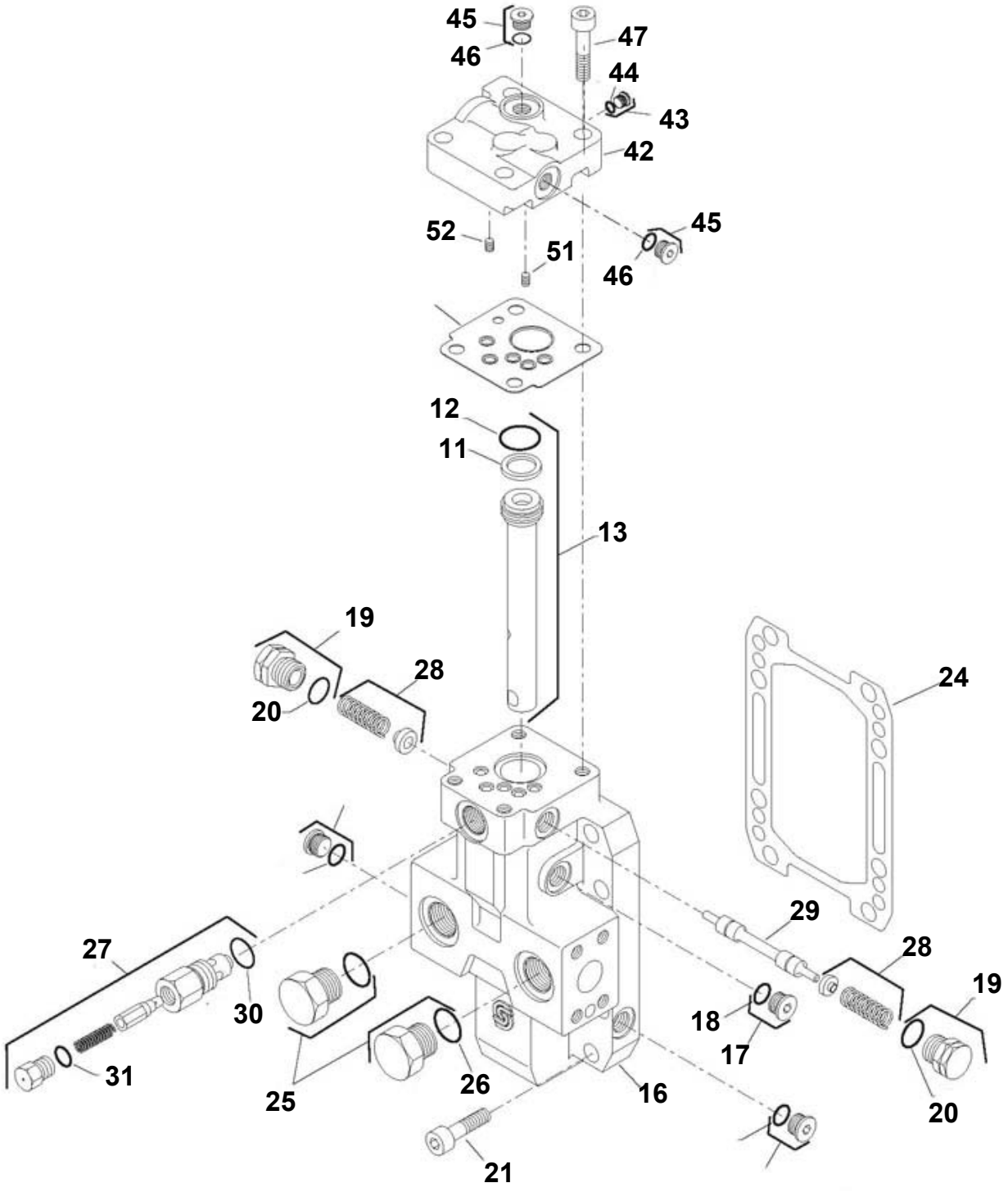
# PROPEL MOTOR
# ( 222051-04 )

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 )

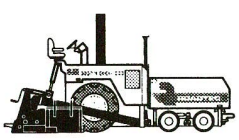
**51C-060-1-R-D1-B-N1-NN-N-N-U1-AWH-016-AA-E4-00-00**

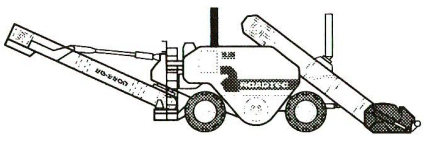
| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 46 | | PLUG | 2 |
| 47 | | O-RING | 4 |
| 48 | | SCREW | 4 |
| 49 | | SAFETY CAP, GREEN | 1 |
| 50 | | SYNCH SHAFT KIT | 1 |
| 51 | | PISTON RING KIT | 1 |
| 52 | | ORIFICE, 0.8 M6 X 8 | 1 |
| 53 | | ORIFICE, 0.8 M6 X 8 | 1 |
| 54 | | SPEED 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 |

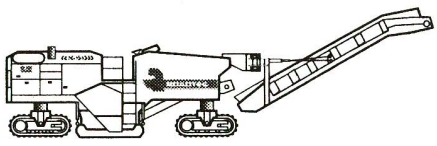
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







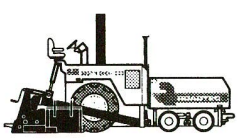
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

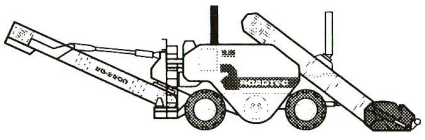
ROADTEC
an Astec Industries Company

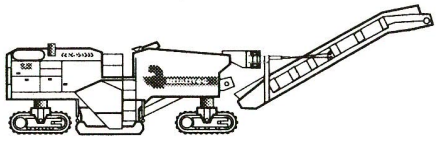
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

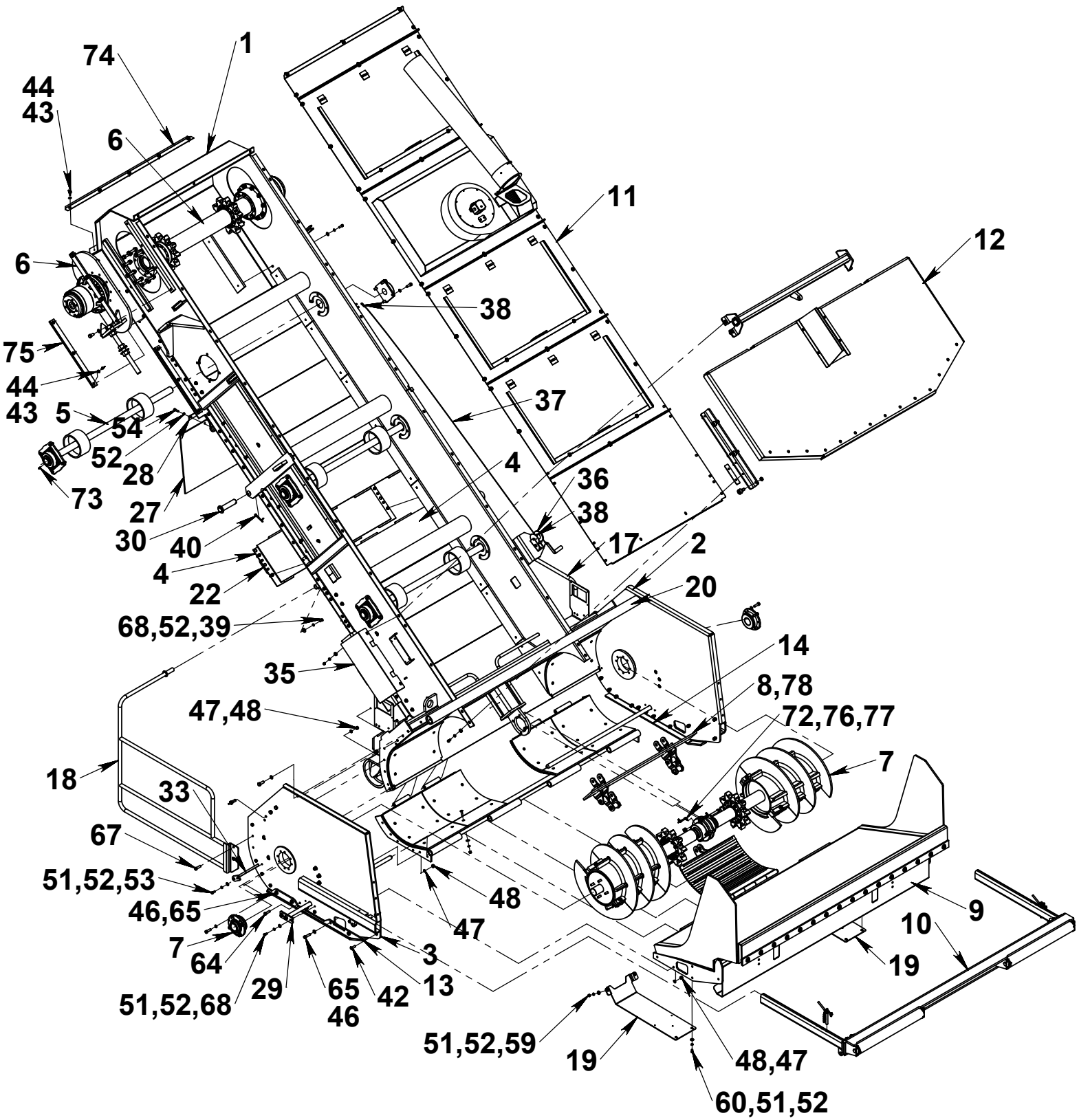
ROADTEC
an Astec Industries Company

# 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 | | 4.30 |
| IDLER | 235574-01 | | 4.32 |
| HEADSHAFT & TAKE-UP | 235576-01 | | 4.33 |
| FOOTSHAFT & AUGER | 235401-01 | | 4.35 |
| C-2 DRIVE GEARBOX | 203739-01 | | 4.37 |
| C-2 DRIVE MOTOR | 149224-04 | | 4.39 |
| C-2 WEAR PLATES | 235443-01 | | 4.41 |
| FLOWGATES | 235462-01 | | 4.42 |
| FLOWGATE ACCESS COVER | 224996-03 | | 4.43 |
| C-3 CONVEYOR | 242134-01 | | 4.45 |
| C3 CHAIN | 234065-01 | | 4.48 |
| IDLER | 234452-01 | | 4.50 |
| HEAD SHAFT & TAKE-UP | 234460-01 | | 4.51 |
| FOOT SHAFT | 234462-01 | | 4.53 |
| INSULATION PANEL & TRUCK RAIL | 234451-01 | | 4.54 |
| TOP COVER W/FUME | 234450-01 | | 4.55 |
| C-3 DRIVE MOTOR | 91681-04 | | 4.57 |

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

NEXT PAGE

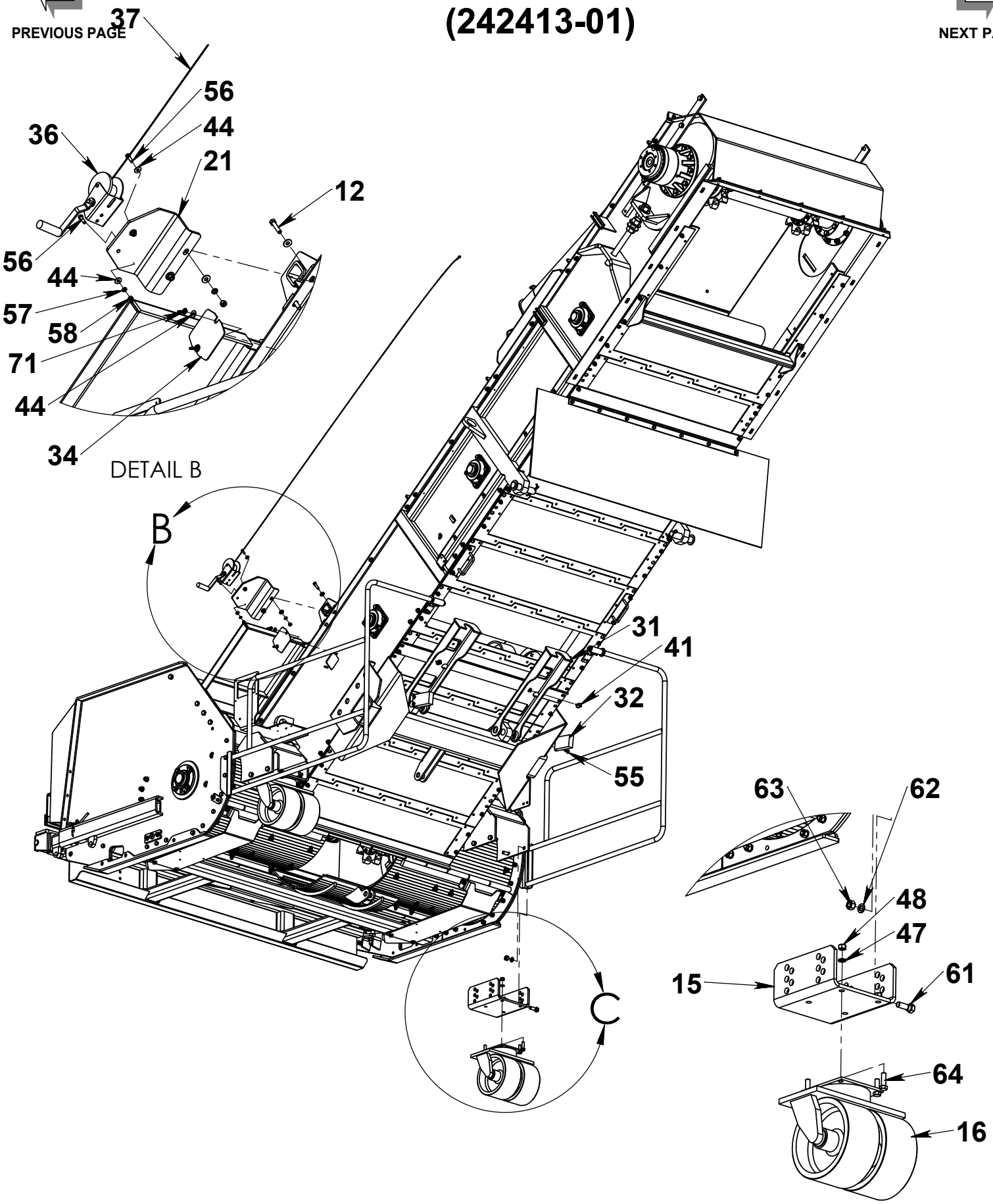





ROADTEC an Astec Industries Company

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



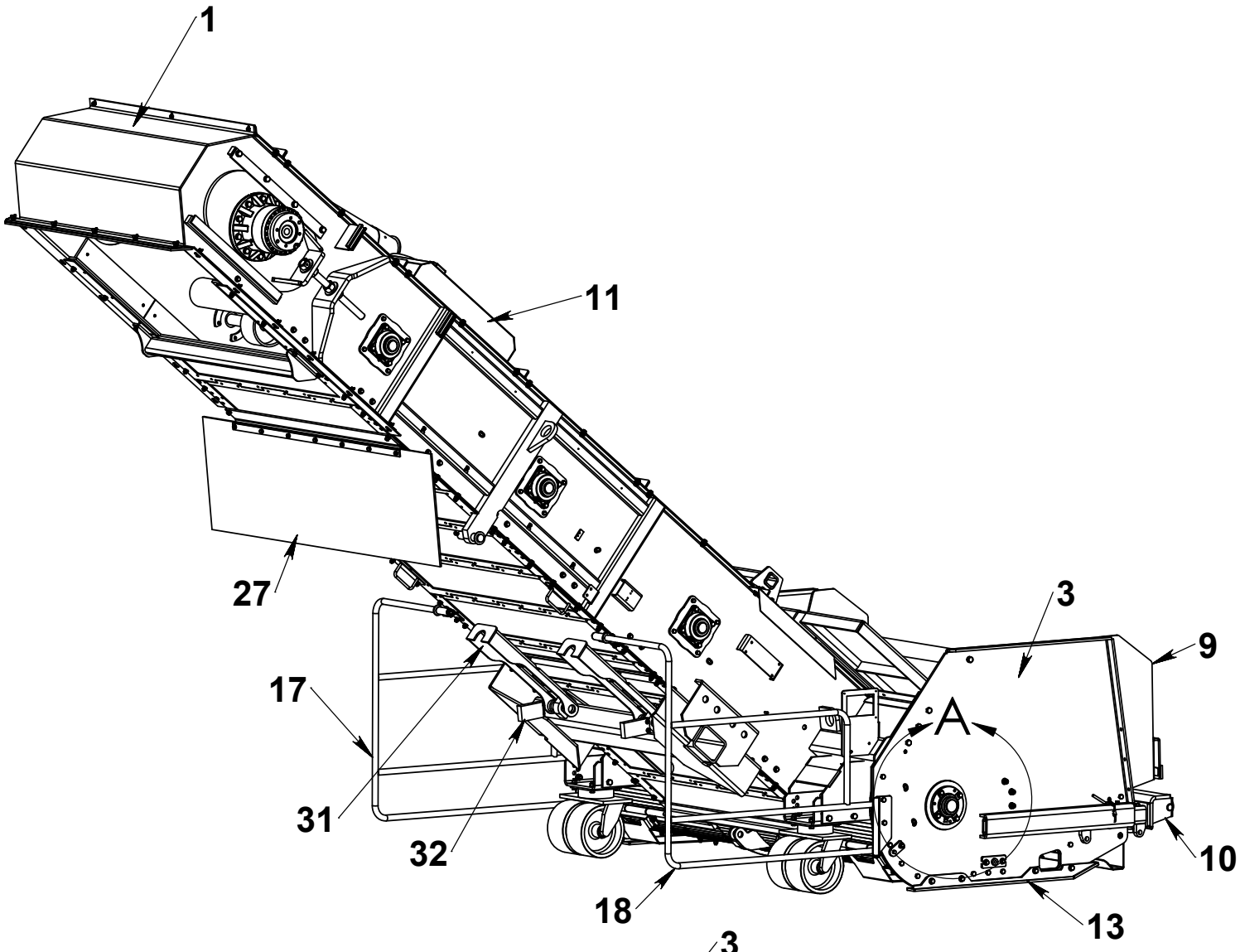


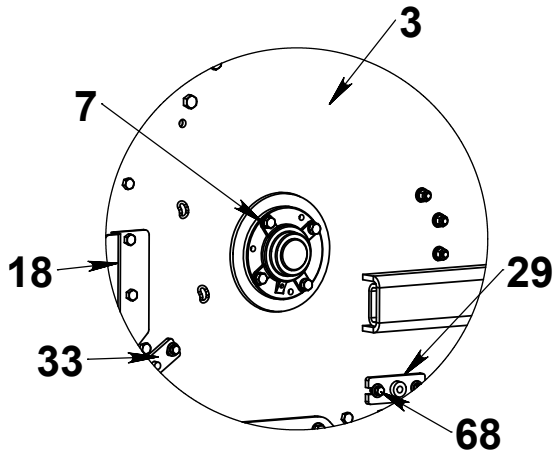



ROADTEC an Astec Industries Company

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

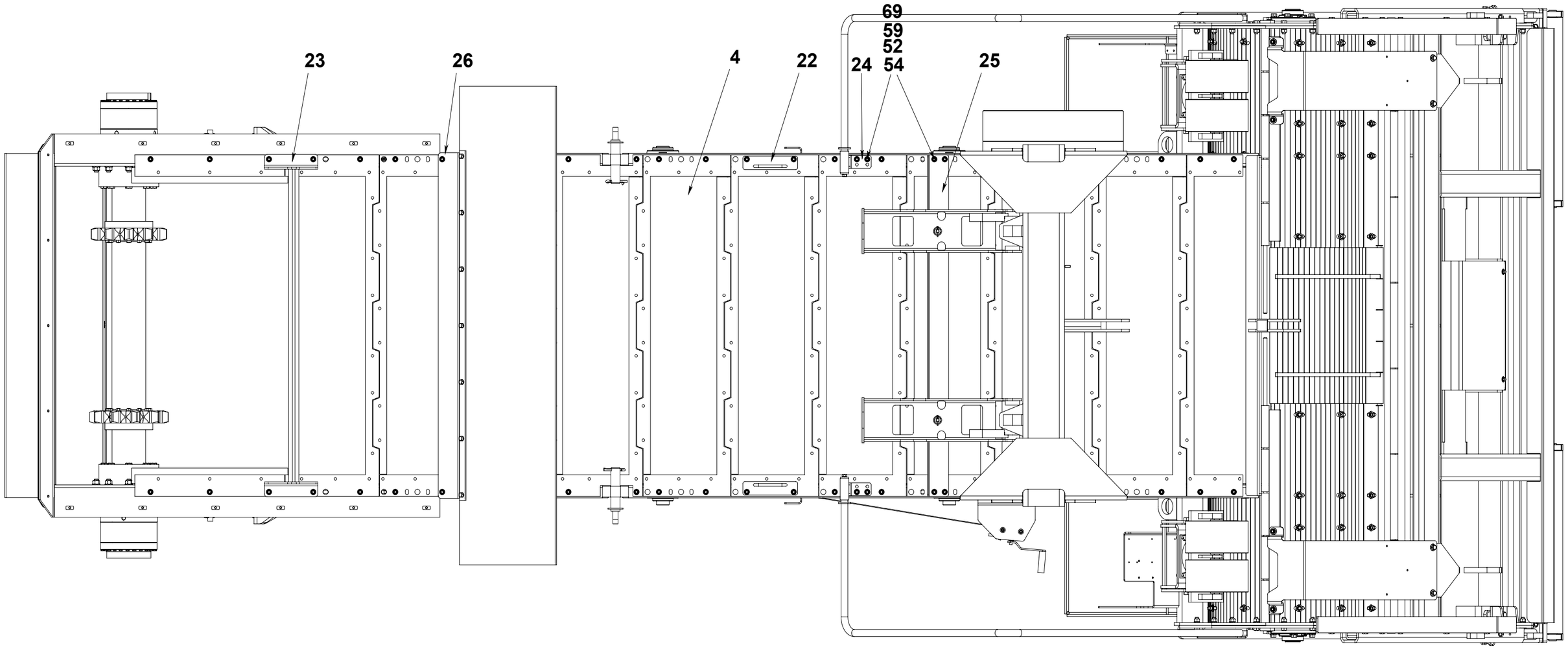





DETAIL A

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




BOTTOM VIEW



ROADTEC
an Astec Industries Company

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

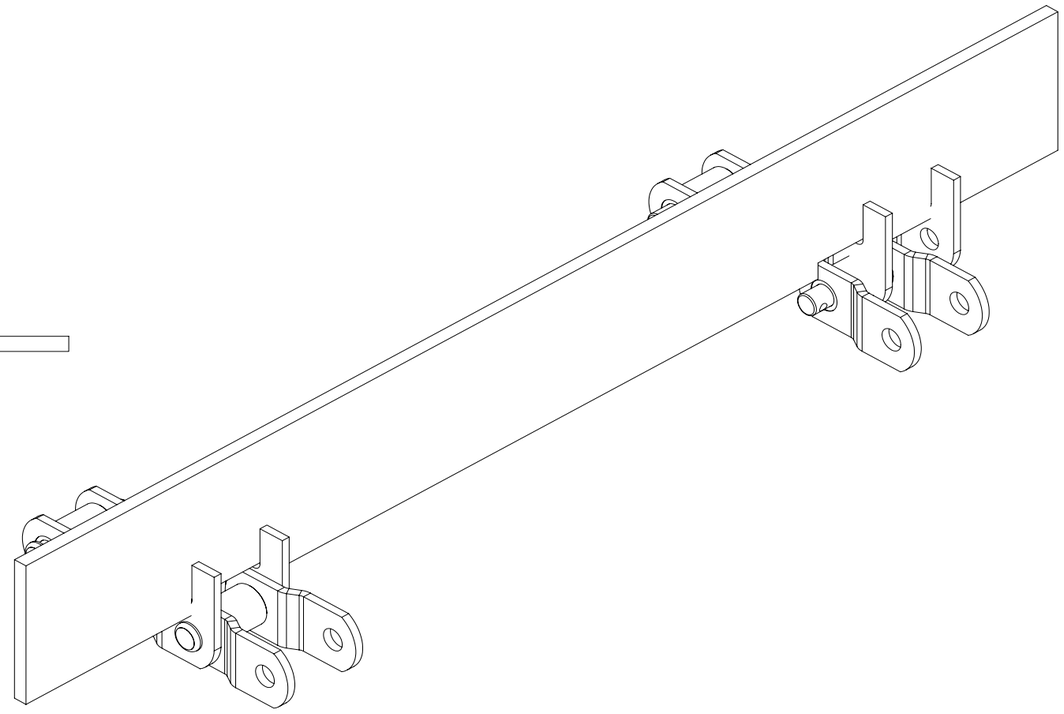
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 242399-01 | WELDMENT-C1 MAIN | 1 |
| 2 | 233955-01 | WELDMENT-C1 HOPPER ENDPLATE, LH | 1 |
| 3 | 233954-01 | WELDMENT-C1 HOPPER ENDPLATE, RH | 1 |
| 4 | 242414-01 | ASSY-C1 CLAD WEAR PLATES SB-2500E | 1 |
| 5 | 220156-01 | ASSEMBLY, 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 |

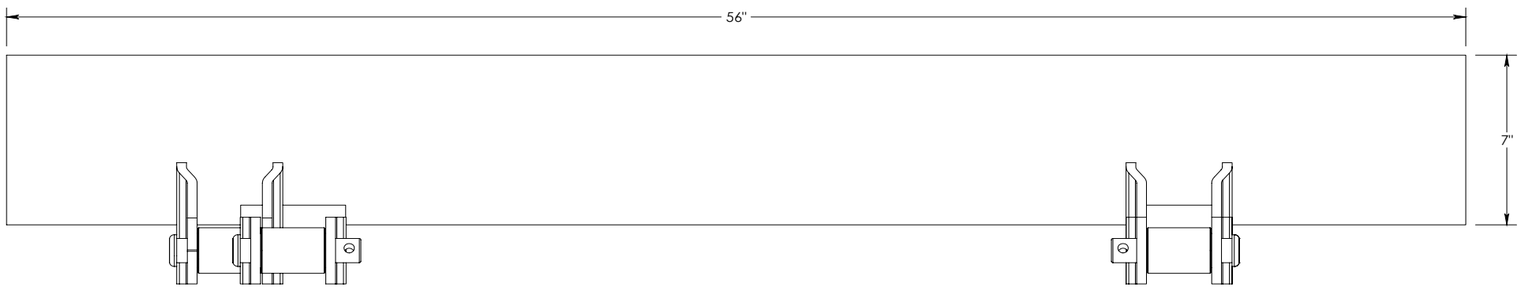
# ASSEMBLY-C1 CONVEYOR SB-2500E (242413-01)

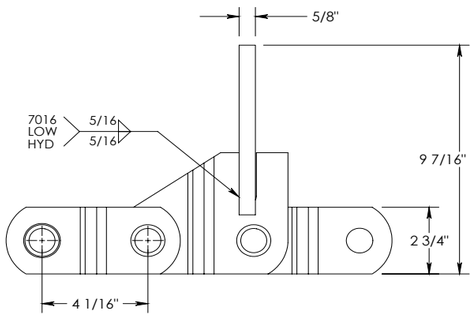
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 46 | 26F83 | WASHER ~ FLAT 5/8 A325(1 5/16 OD)HW | 14 |
| 47 | 84717 | WASHER * LOCK 5/8" SPRING STEEL | 46 |
| 48 | 85148 | NUT * 5/8"-11 HEX GRADE 8 | 46 |
| 49 | 83065 | WASHER * LOCK 1/4" SPRING STEEL | 8 |
| 50 | 83114 | BOLT * HEX 1/4"-20 X 1/2" | 8 |
| 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 |

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



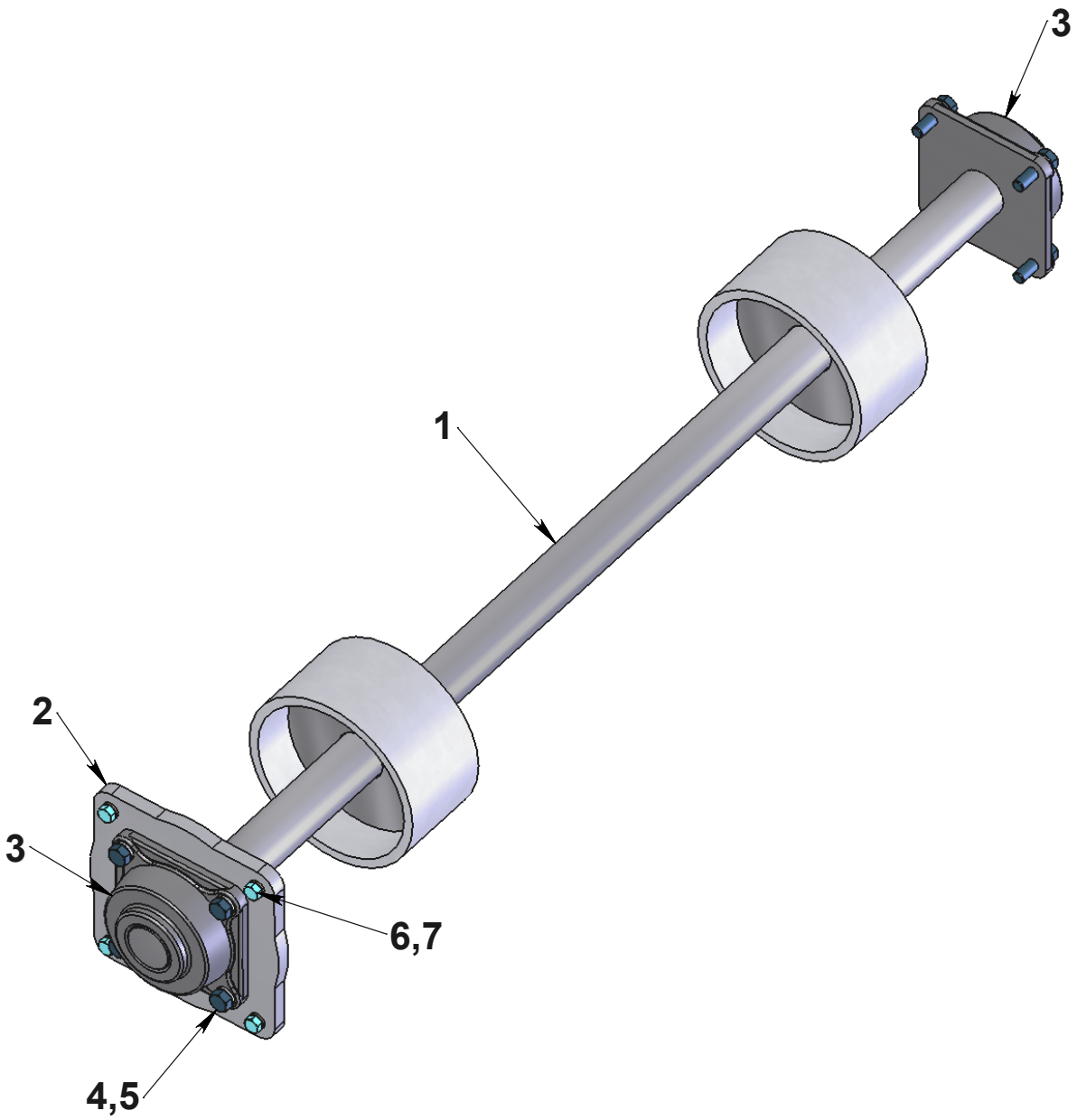




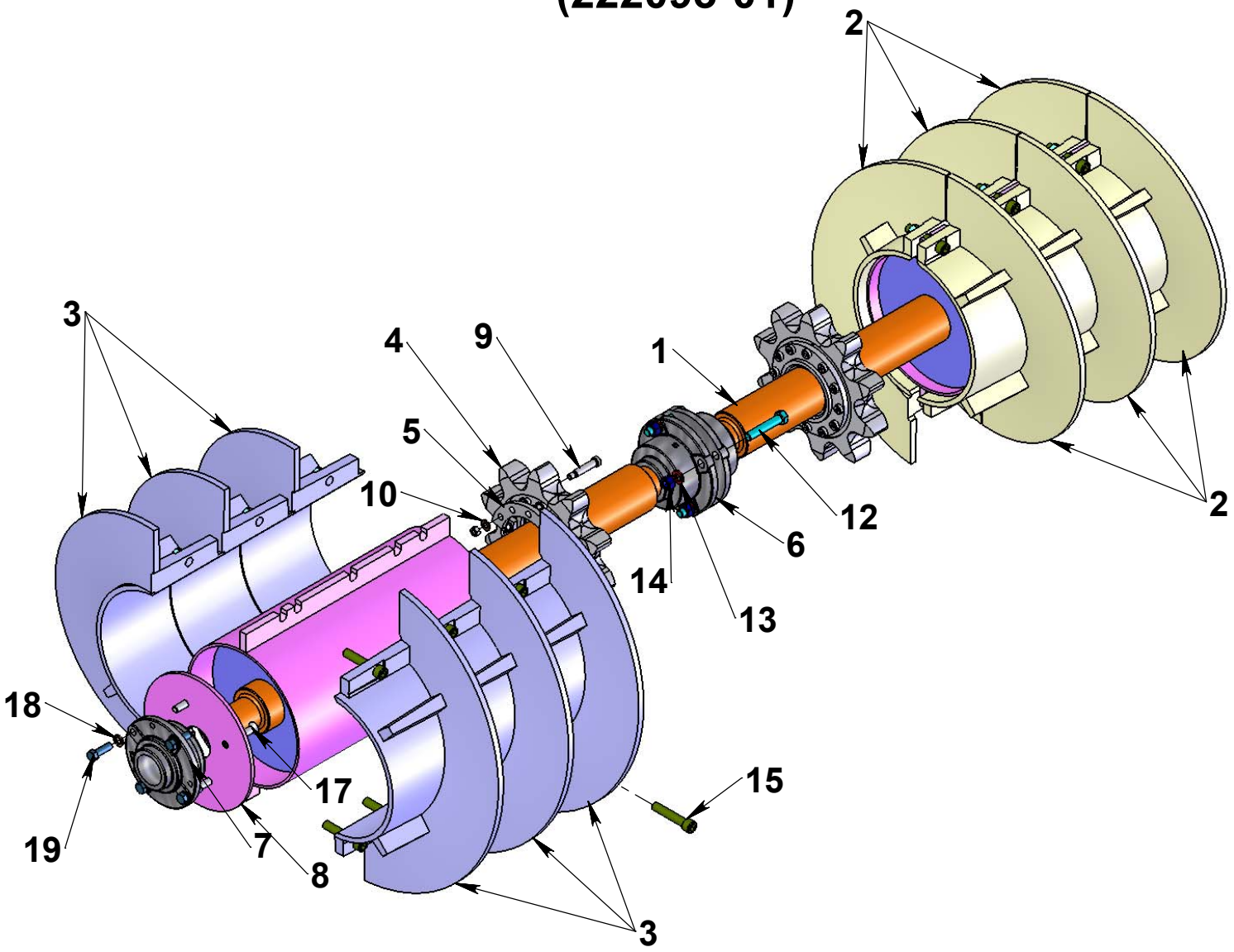

ROADTEC
an Astec Industries Company

# ASSEMBLY, C1 IDLERS AND BEARINGS (220156-01)



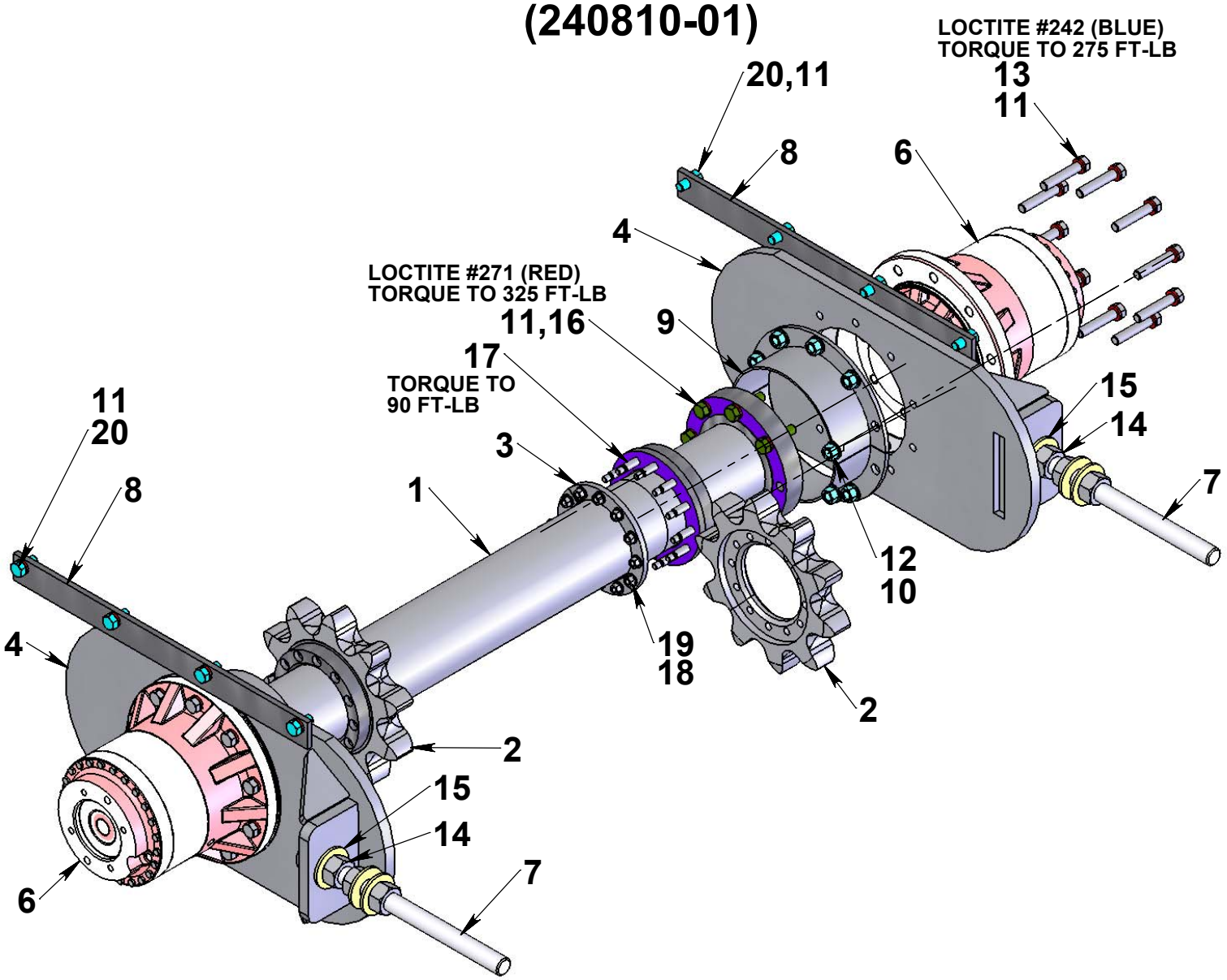

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 222803-01 | WELDMENT, C-1 IDLER SHAFT | 1 |
| 2 | 99364-03 | BEARING PLATE | 1 |
| 3 | 88993-04 | BEARING * 4 BOLT FLANGE | 2 |
| 4 | 96041 | BOLT ~ HEX 5/8-11 x 2" | 8 |
| 5 | 84717 | WASHER ~ LOCK 5/8" SPRING STEEL | 8 |
| 6 | 86164 |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



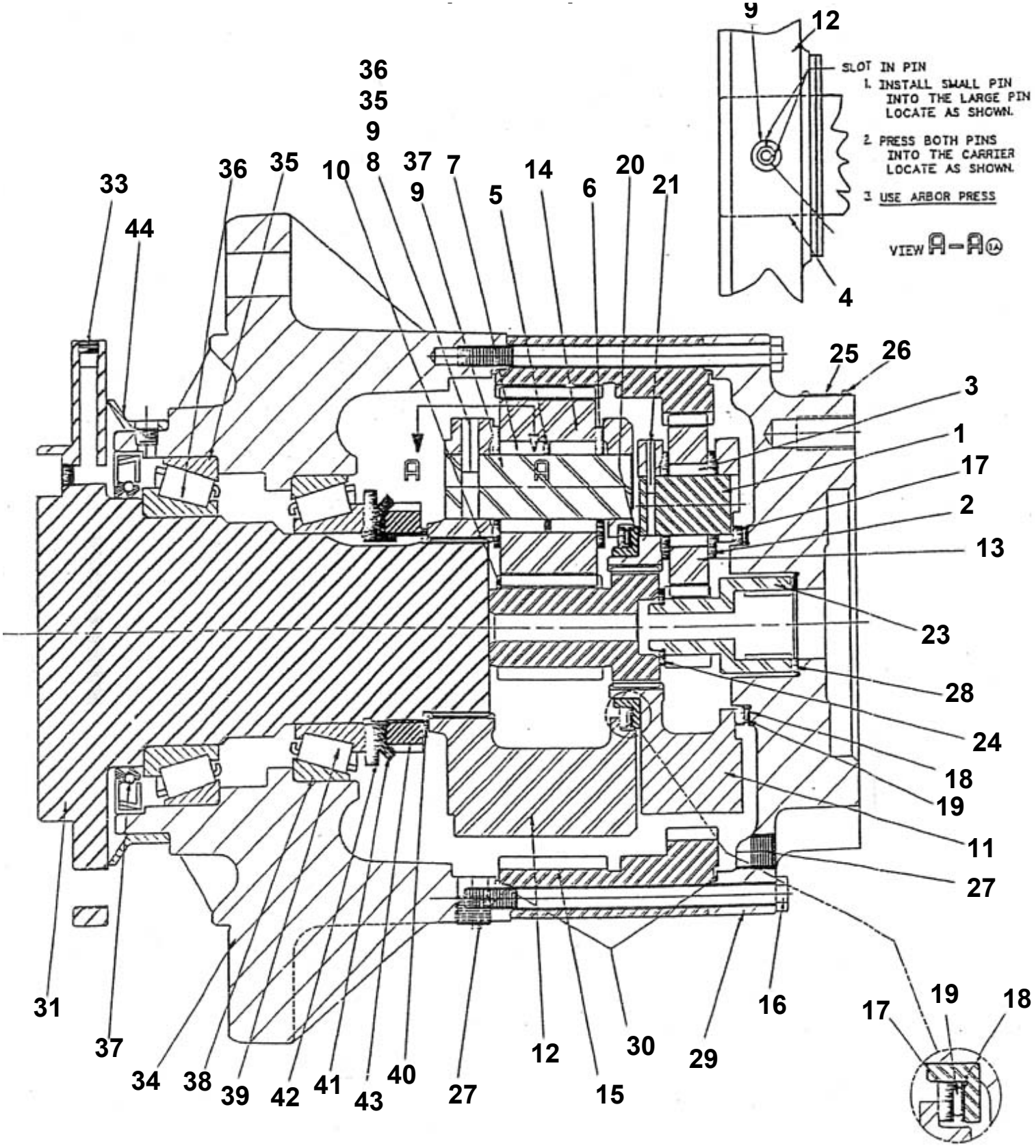

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 222092-01 | WELDMENT-C1 FOOTSHAFT | 2 |
| 2 | 96003-01A | FLIGHT * BA 8 3/4" R.H.PITCH (L.S.) | 6 |
| 3 | 96004A | FLIGHT * BB 8 3/4" L.H.PITCH (R.S) | 6 |
| 4 | 222009-03 | SPROCKET* 10 TEETH, 4 1/16 PITCH, MUD RELIEF | 2 |
| 5 | 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 |

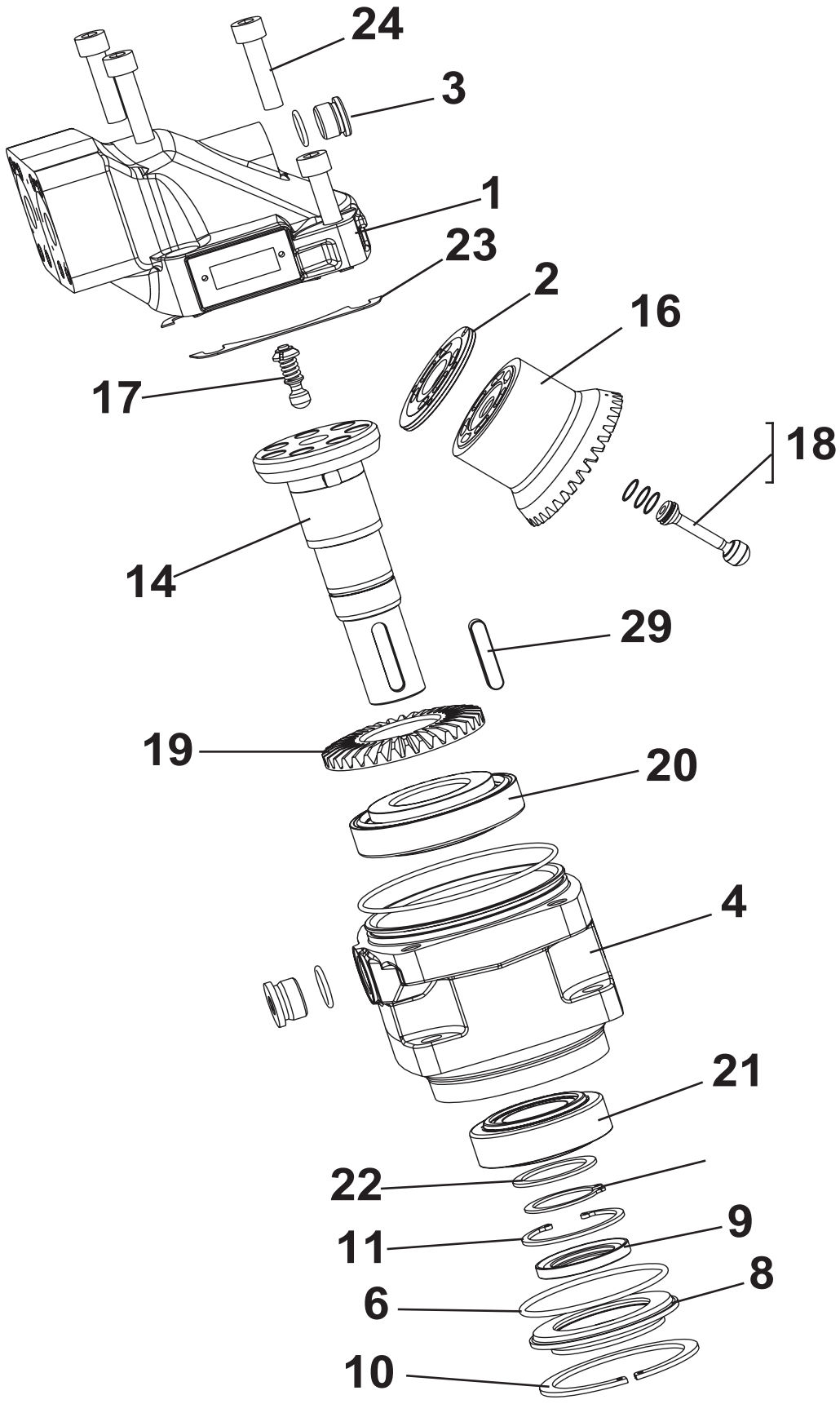
# C-1 & C-3 DRIVE GEARBOX
# ( 29E38 )



# 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 |

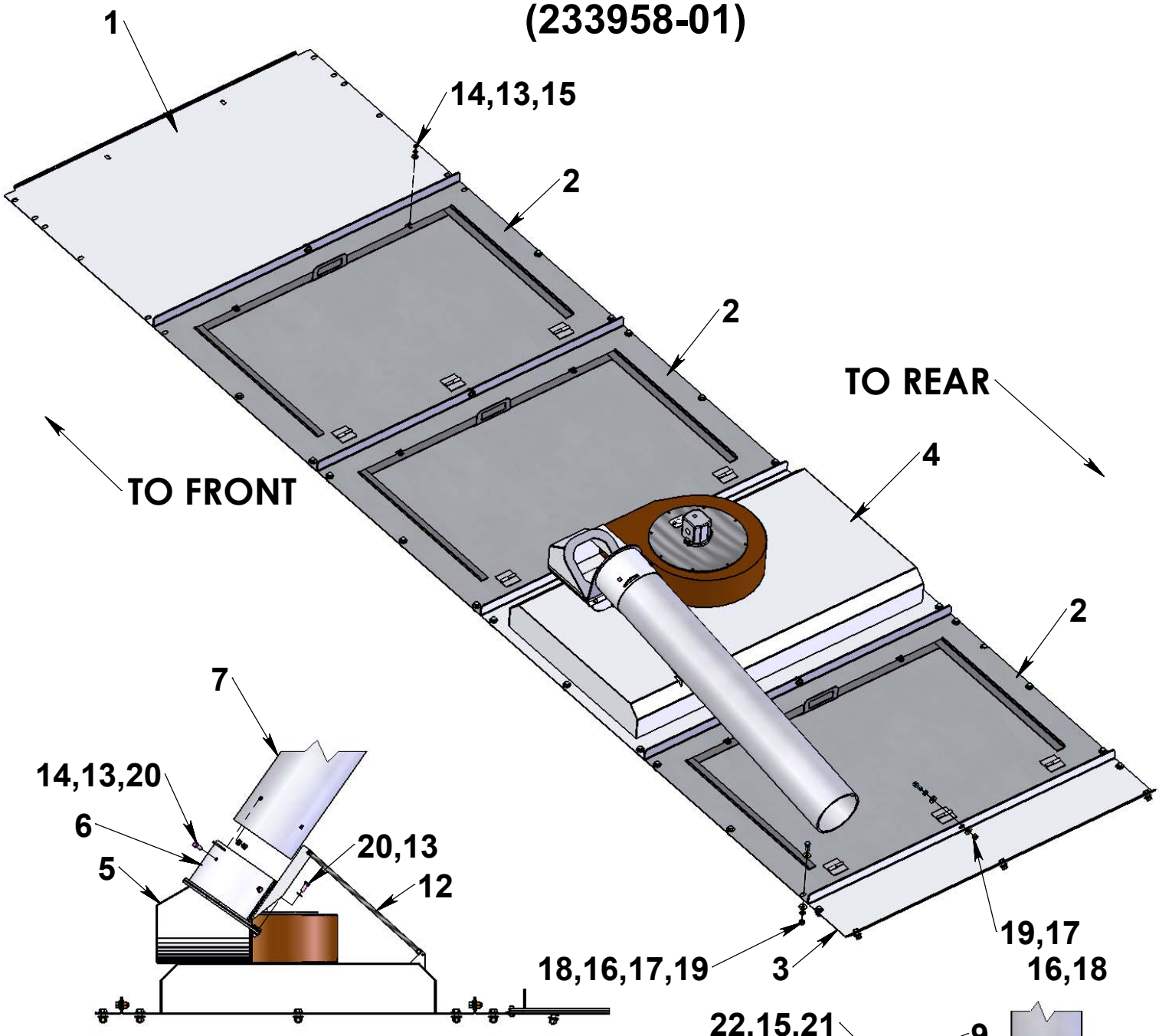
# C-1 CONVEYOR DRIVE MOTOR
## ( 142642-04 ) With two tappered roller bearings



# 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 | | | |

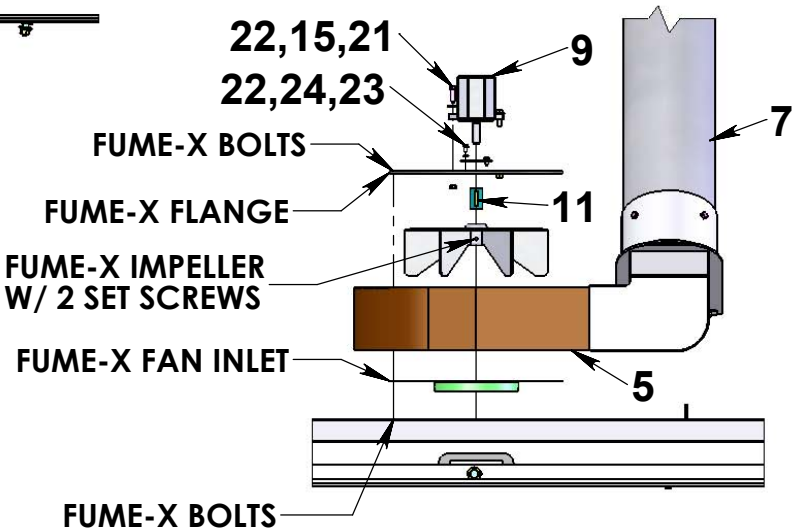
# ASSEMBLY-C1 TOP COVERS & FUME-X
# (233958-01)







PARTIAL EDGE VIEW




PARTIAL END VIEW

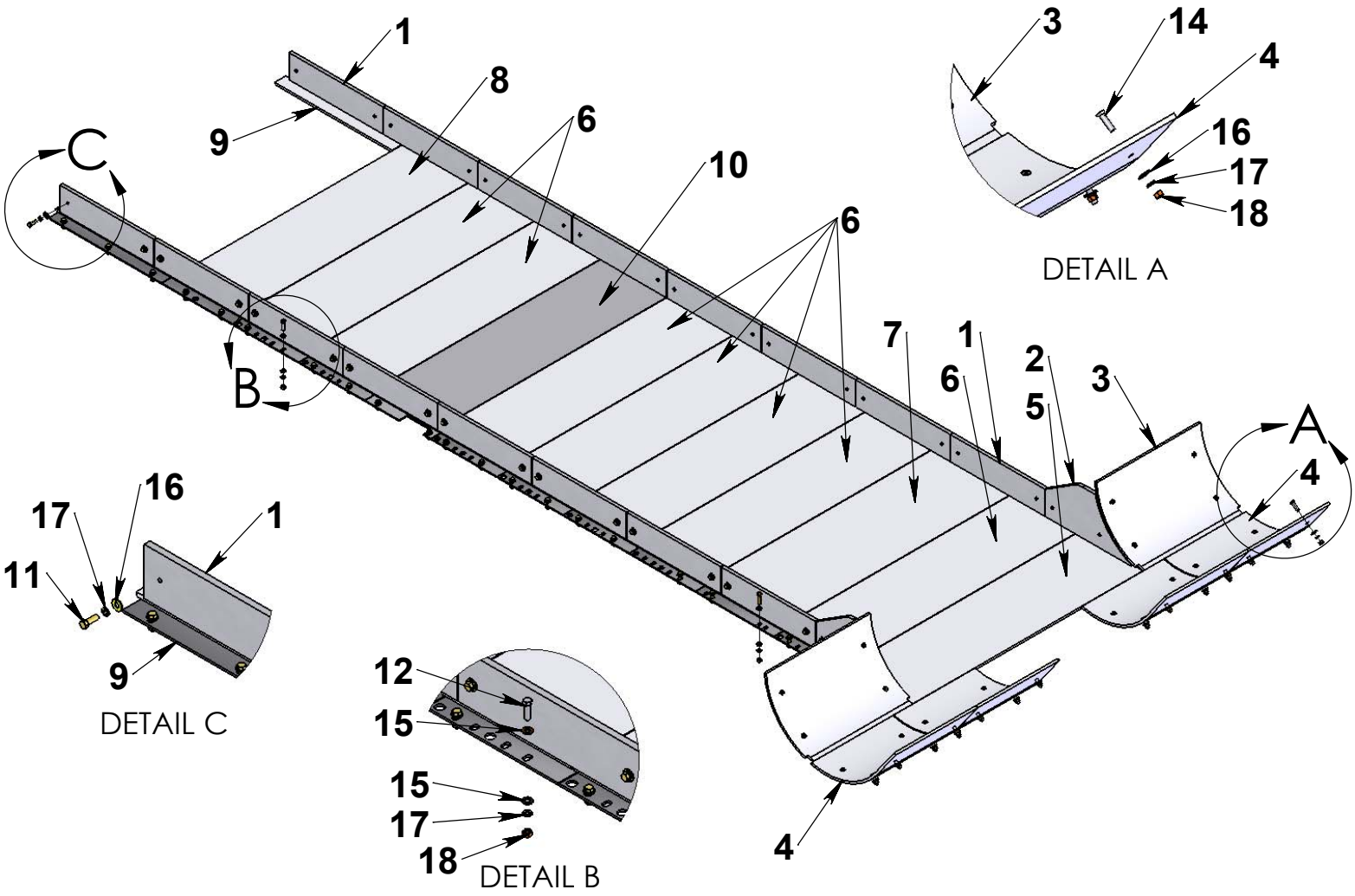


ROADTEC
an Astec Industries Company

# ASSEMBLY-C1 TOP COVERS & FUME-X (233958-01)

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 221947-01 | DETAIL-C1 TOP COVER | 1 |
| 2 | 222438-01 | WLDT-TOP COVER C1 CONVEYOR | 3 |
| 3 | 235248-01 | WELDMENT-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 | 68 |
| 17 | 86164 | BOLT * HEX 1/2"-13 X 1 1/4" | 34 |
| 18 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 34 |
| 19 | 83288 | NUT * 1/2"-13 HEX GRADE 8 | 34 |
| 20 | 84332 | BOLT * HEX 3/8"-16 X 1" | 7 |
| 21 | 96476 | BOLT * HEX 3/8"-16 X 1 1/4" | 2 |
| 22 | 92235 | NUT ~ 3/8"-16 LOCK GRADE 8 | 2 |
| 23 | 83114 | BOLT * HEX 1/4"-20 X 1/2" | 2 |
| 24 | 83065 | WASHER ~ LOCK 1/4" SPRING STEEL | 2 |

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

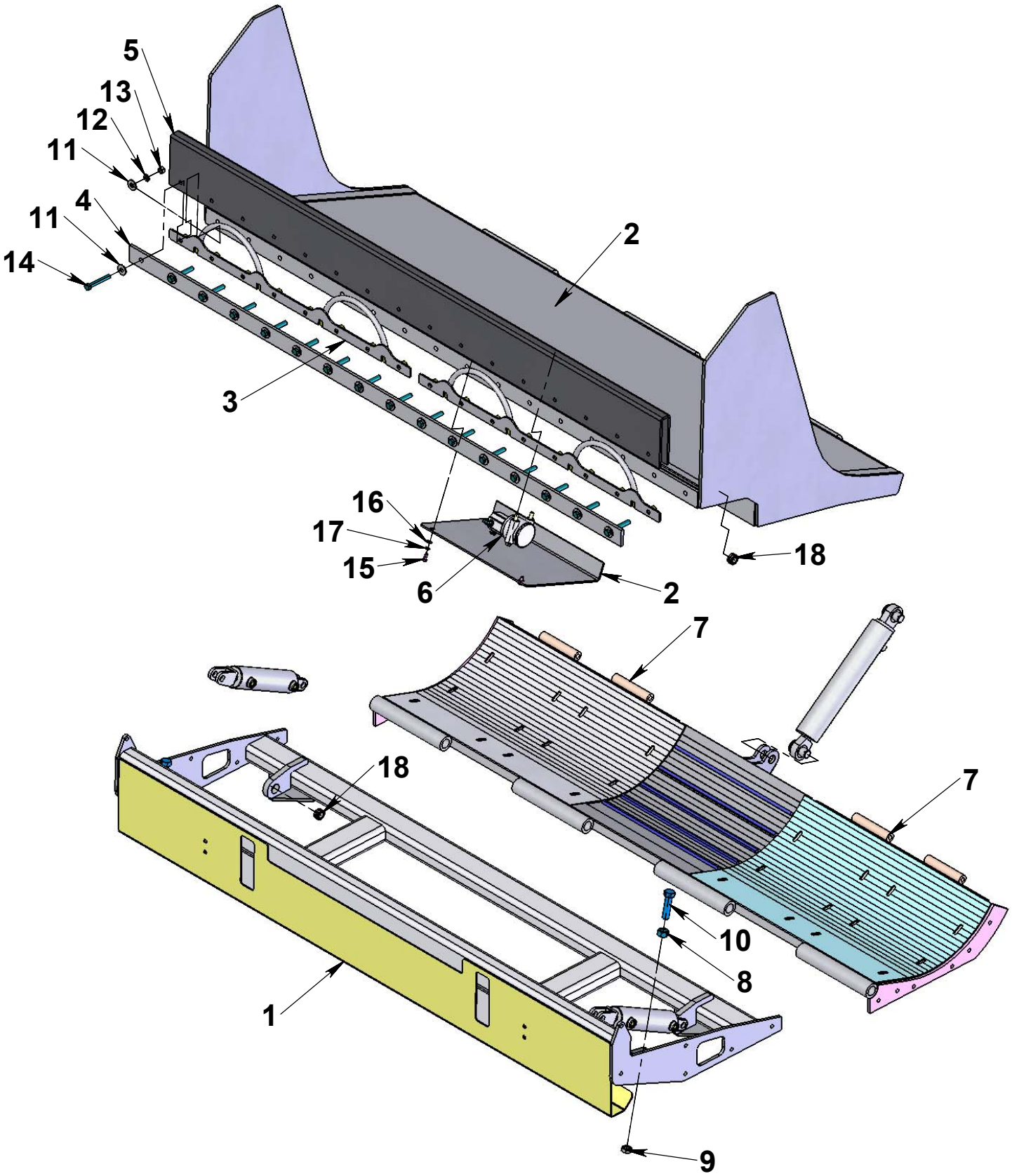



| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 149877-03 | PLATE* C1&3 SIDE WEAR PLATE | 16 |
| 2 | 220574-03 | PLATE* C1 FIRST SIDE WEAR PLATE | 2 |
| 3 | 235148-02 | DETAIL-C1 UPPER AUGER LINER, CLAD | 2 |
| 4 | 235149-02 | DETAIL-C1 LOWER AUGER LINER, CLAD | 4 |
| 5 | 242415-02 | 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 | 218969-04 | BOLT * HEX 1/2-13 X 1 1/2 (L9) | 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 |



ROADTEC an Astec Industries Company

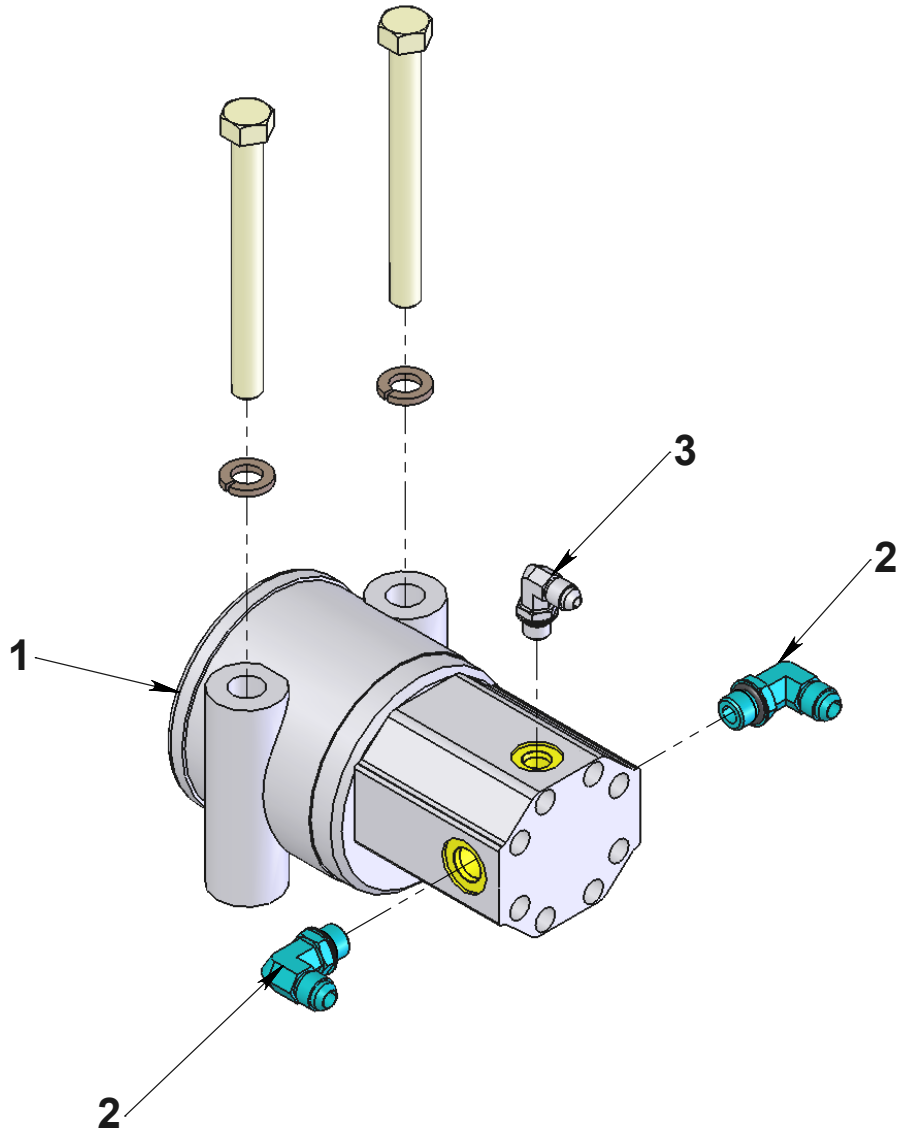
# ASSEMBLY-C1 DUMP HOPPER
# (233956-01)



# ASSEMBLY-C1 DUMP HOPPER (233956-01)

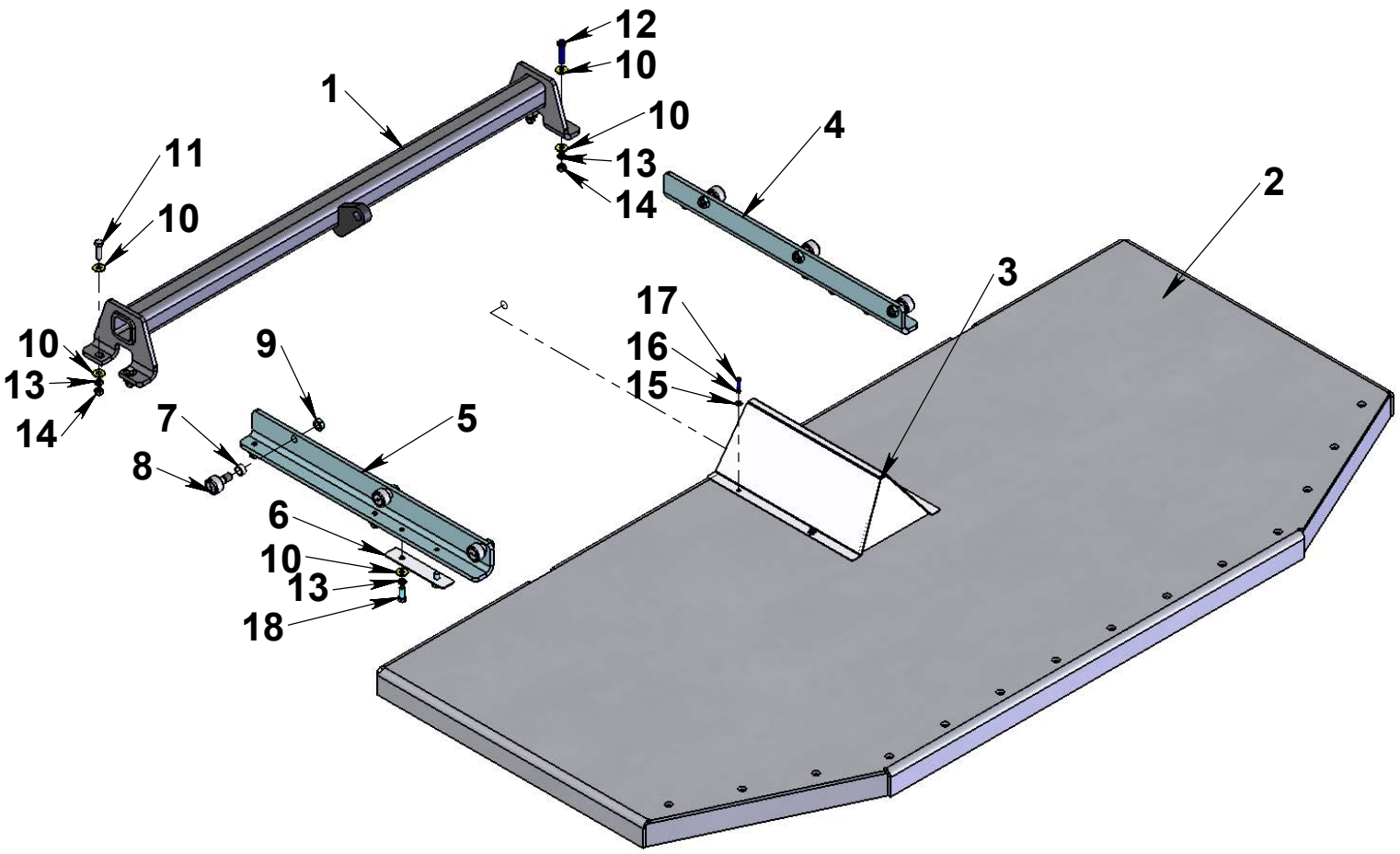
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 220177-01 | WELDMENT-C1 HOPPER UNDERCARRIAGE | 1 |
| 2 | 233957-01 | WELDMENT-DUMP HOPPER | 1 |
| 3 | 143620-03 | FLASHNG.SUPPORT WLD.(C1 DUMP HOPPR) | 2 |
| 4 | 220179-01-5 | PLATE, 1/2 x 3 x 110 3/8, A36 | 1 |
| 5 | 222052-02 | 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)



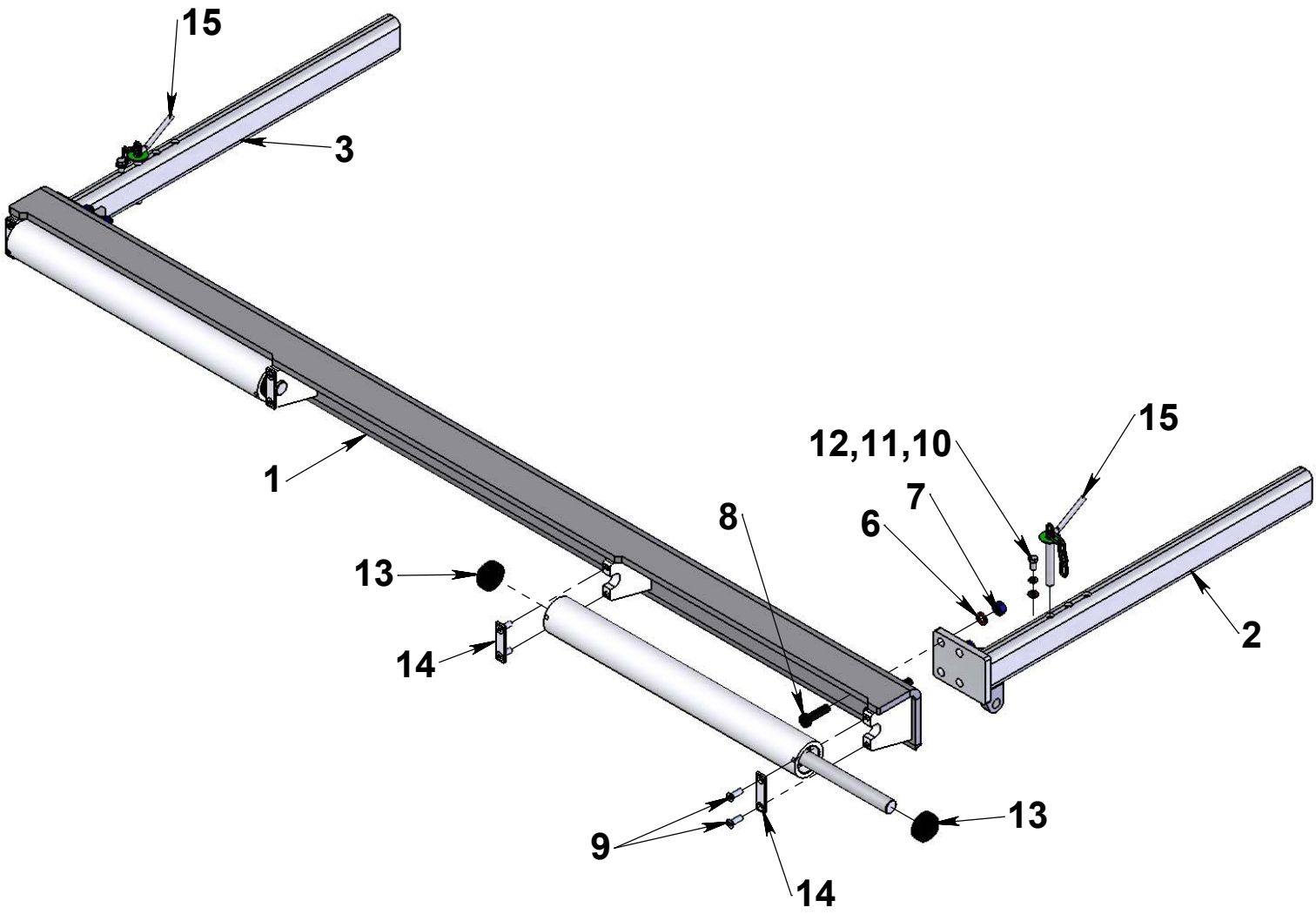

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 149125-04 | HYD.DRIVEN VIBRATOR 782 LB 9000 RPM | 1 |
| 2 | 83734-04 | FIT-ELBOW 90 DEG M W_NUT, WASHER, O-RING 6 JIC - 6 SAE | 2 |
| 3 | 83743-04 | ELBOW 90 DEG M W_NUT, WASHER, O-RING 4 JIC - 4 SAE | 1 |

# ASSEMBLY-C1 BAFFLE
# (222584-01)



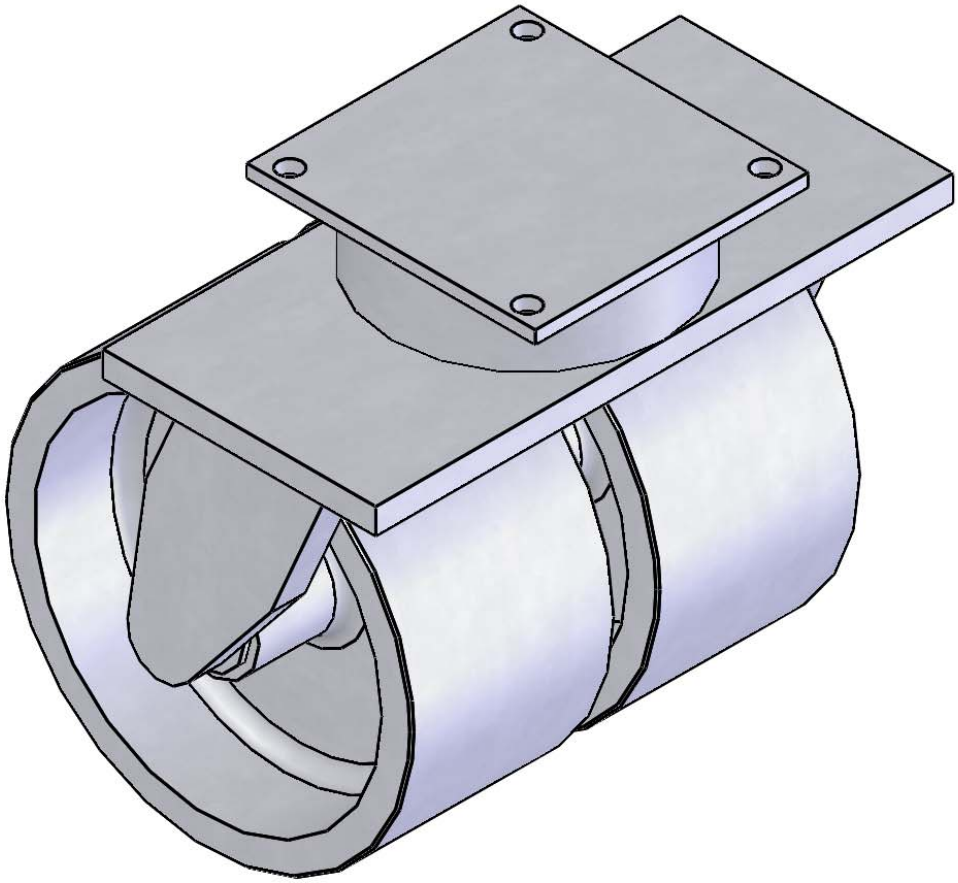

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 223002-01 | WLDT-BAFFLE CYLINDER SUPPORT-2500E | 1 |
| 2 | 222398-01 | WELDMENT-BAFFLE-SB-2500D | 1 |
| 3 | 141583-01 | WELDMENT-HYDRAULIC CYLINDER COVER | 1 |
| 4 | 222402-03 | DETAIL-LH BAFFLE GUIDE | 1 |
| 5 | 222403-03 | DETAIL-RH 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)



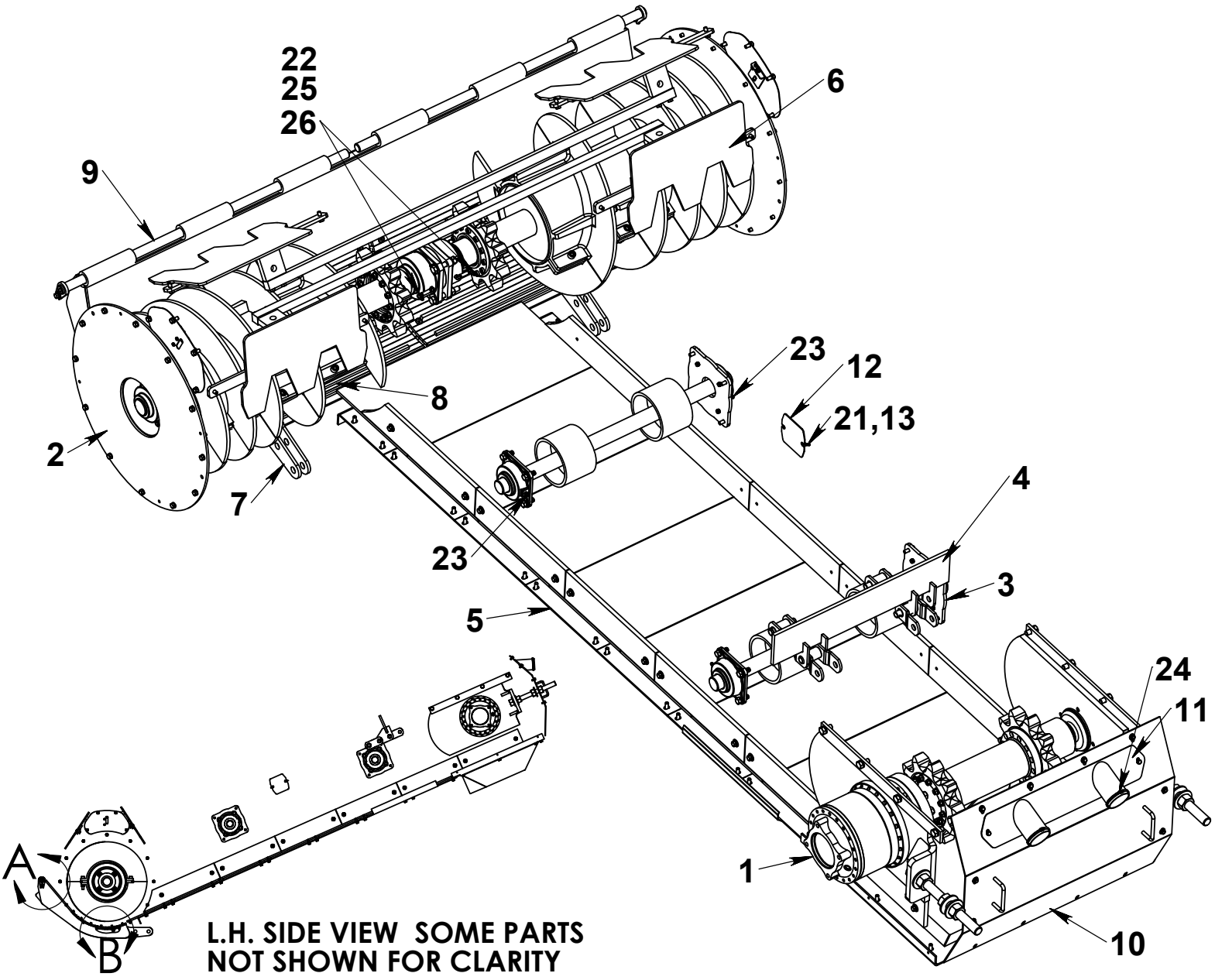

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 220160-01 | WELDMENT-PUSH ROLLER BAR | 1 |
| 2 | 212467-01L | WELDMENT-PUSH ROLLER SUPPORT, LH | 1 |
| 3 | 212467-01R | WELDMENT-PUSH ROLLER SUPPORT, RH | 1 |
| 4 | 137441-02 | DETAIL-34" PUSH ROLLER | 2 |
| 5 | 134626-02 | DETAIL-PUSH 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)

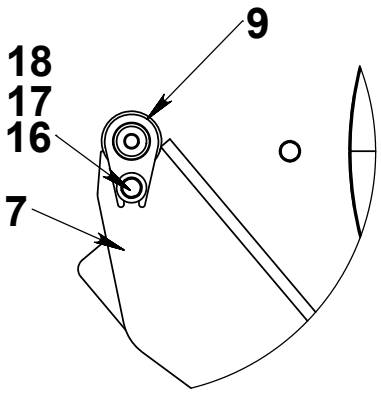


| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 132001-04 | CASTER * SWIVEL W/CAST IRON WHEELS | 1 |

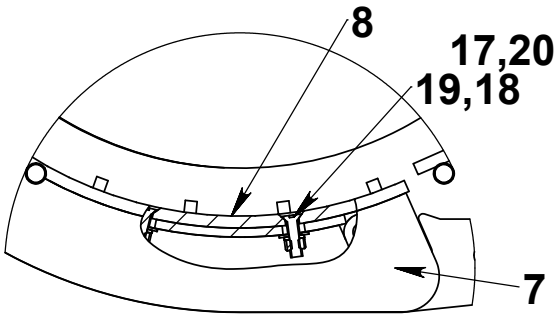
# ASSEMBLY-C2 CONVEYOR SB-2500E T-4
# ( 234445-01 )




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




DETAIL A

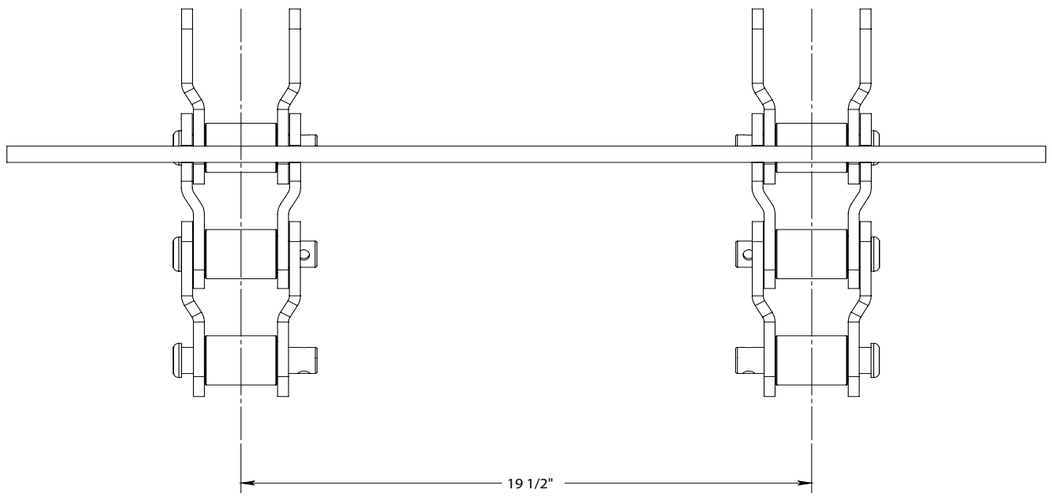


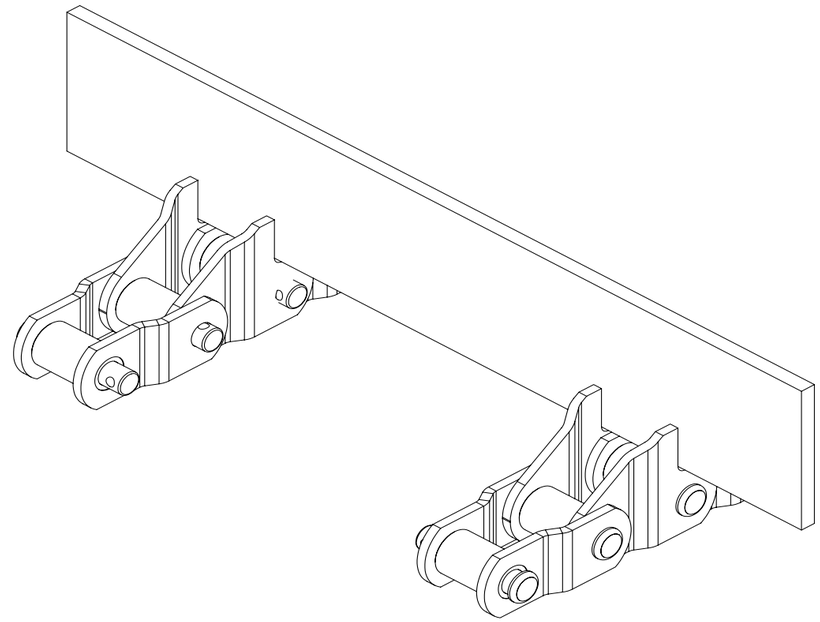

DETAILB

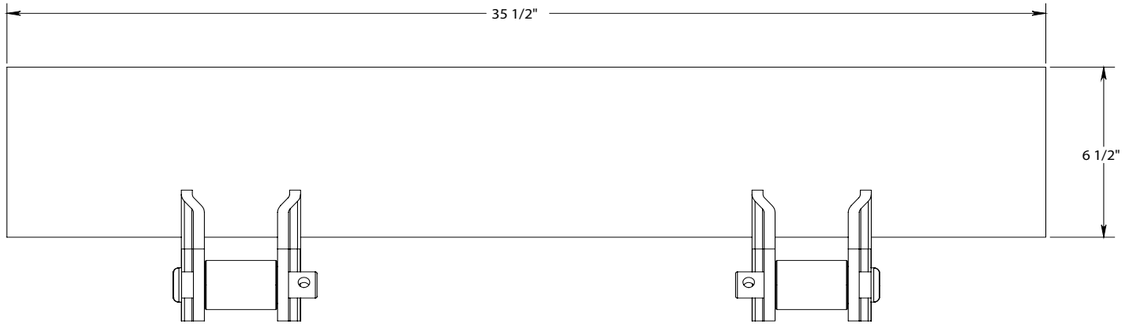
# ASSEMBLY-C2 CONVEYOR SB-2500E T-4
# ( 234445-01 )

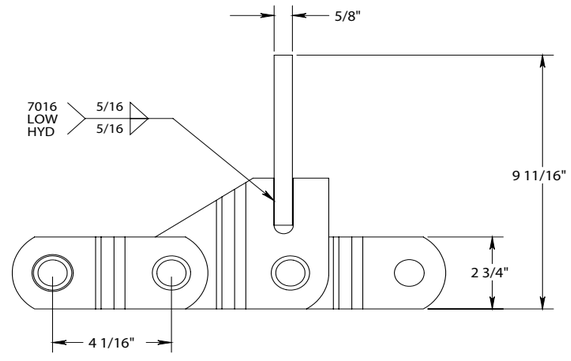
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 235576-01 | ASSEMBLY-C2 HEADSHAFT & TAKE-UP | 1 |
| 2 | 235401-01 | ASSEMBLY-C2 FOOTSHAFT & AUGER | 1 |
| 3 | 235574-01 | ASSEMBLY-C2 IDLERS | 1 |
| 4 | 234064-01 | CHAIN * C2 SB-2500E T4 | 1 |
| 5 | 235443-01 | ASSEMBLY-C2 CLAD 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 | 10 |
| 14 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 10 |
| 15 | 84332 | BOLT * HEX 3/8"-16 X 1" | 10 |
| 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 |

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



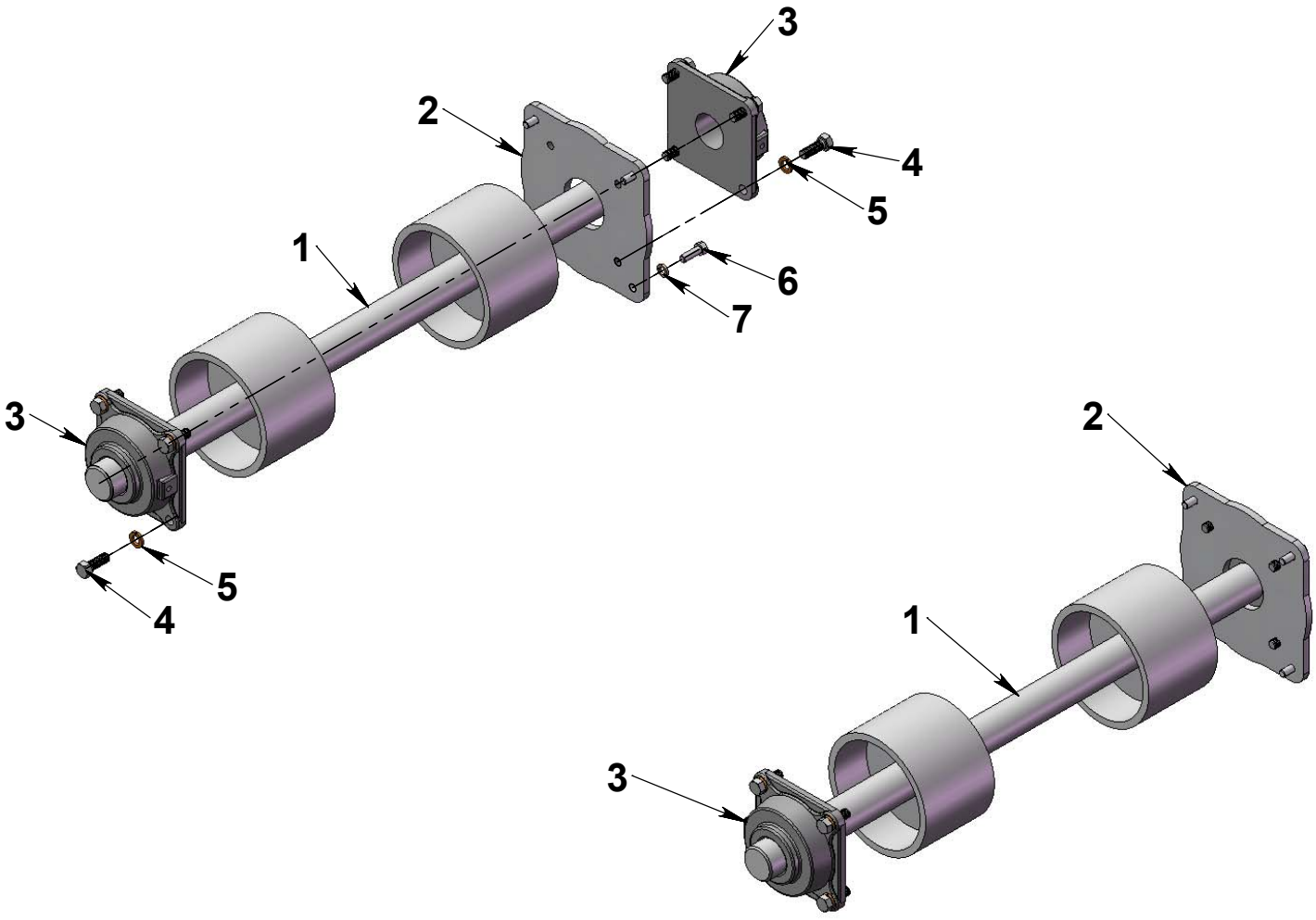




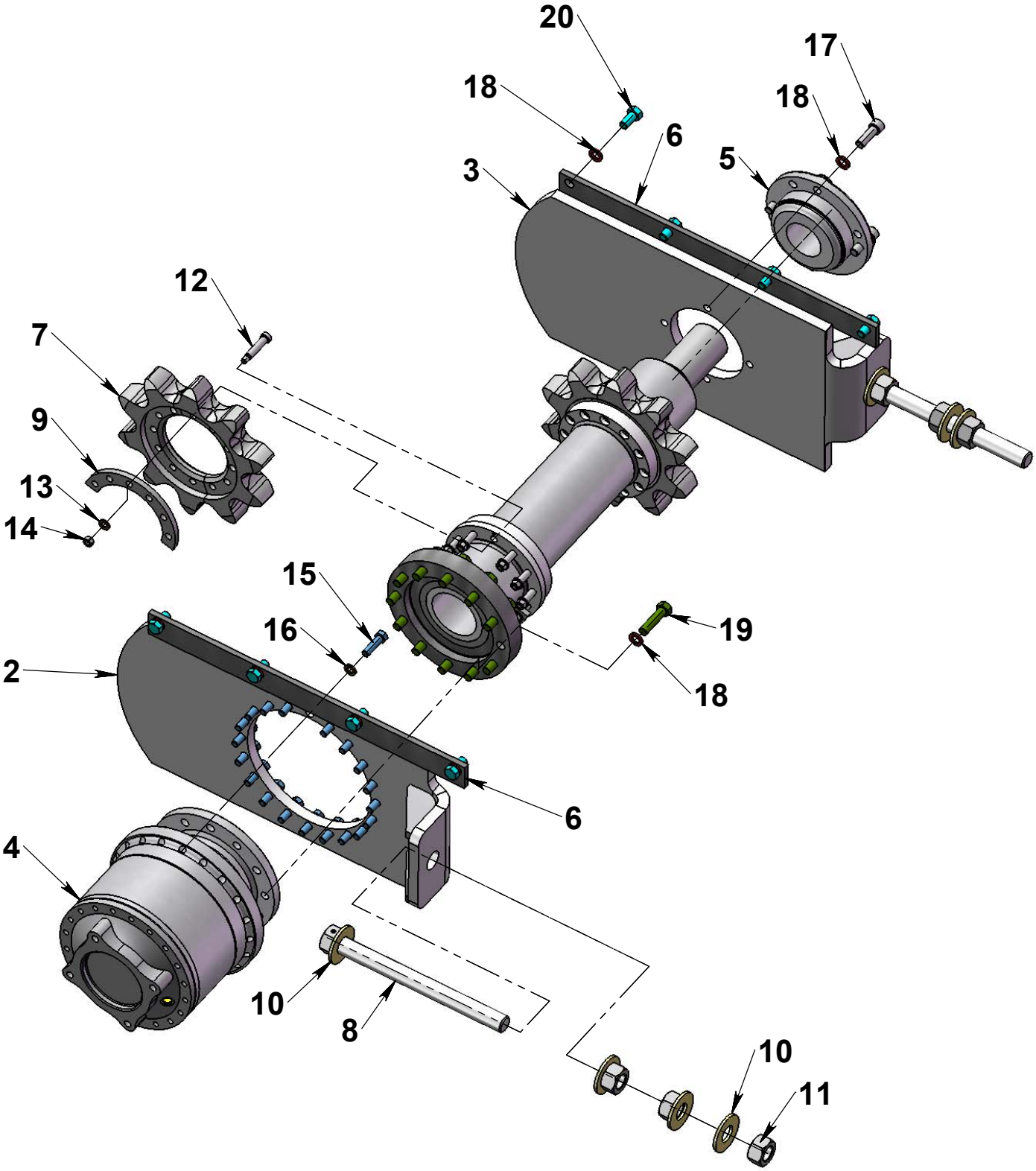

ROADTEC
an Astec Industries Company

# 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 |

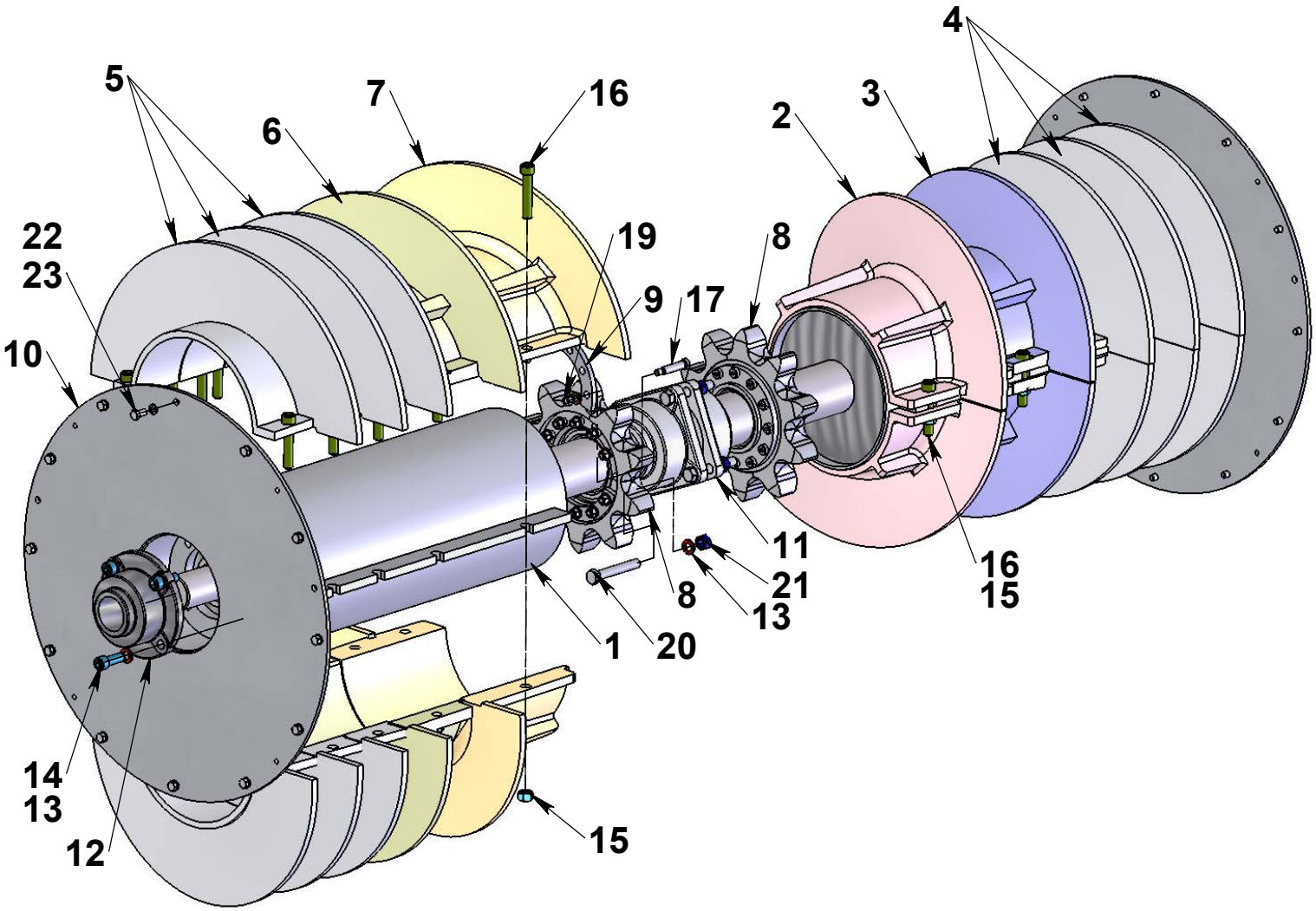
# ASSEMBLY-C2 HEADSHAFT & TAKE-UP
# (235576-01)



# 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 |

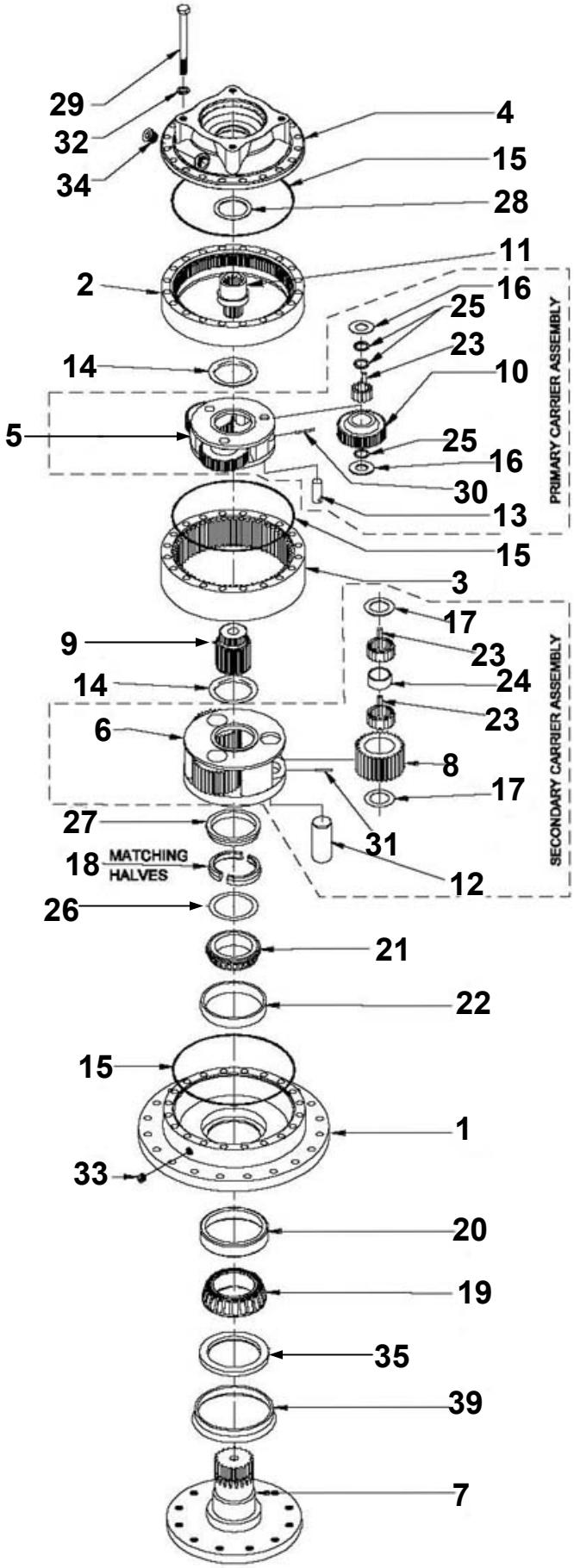
# ASSEMBLY-C2 FOOTSHAFT & AUGER
# (235401-01)



# 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 )






ROADTEC
an Astec Industries Company

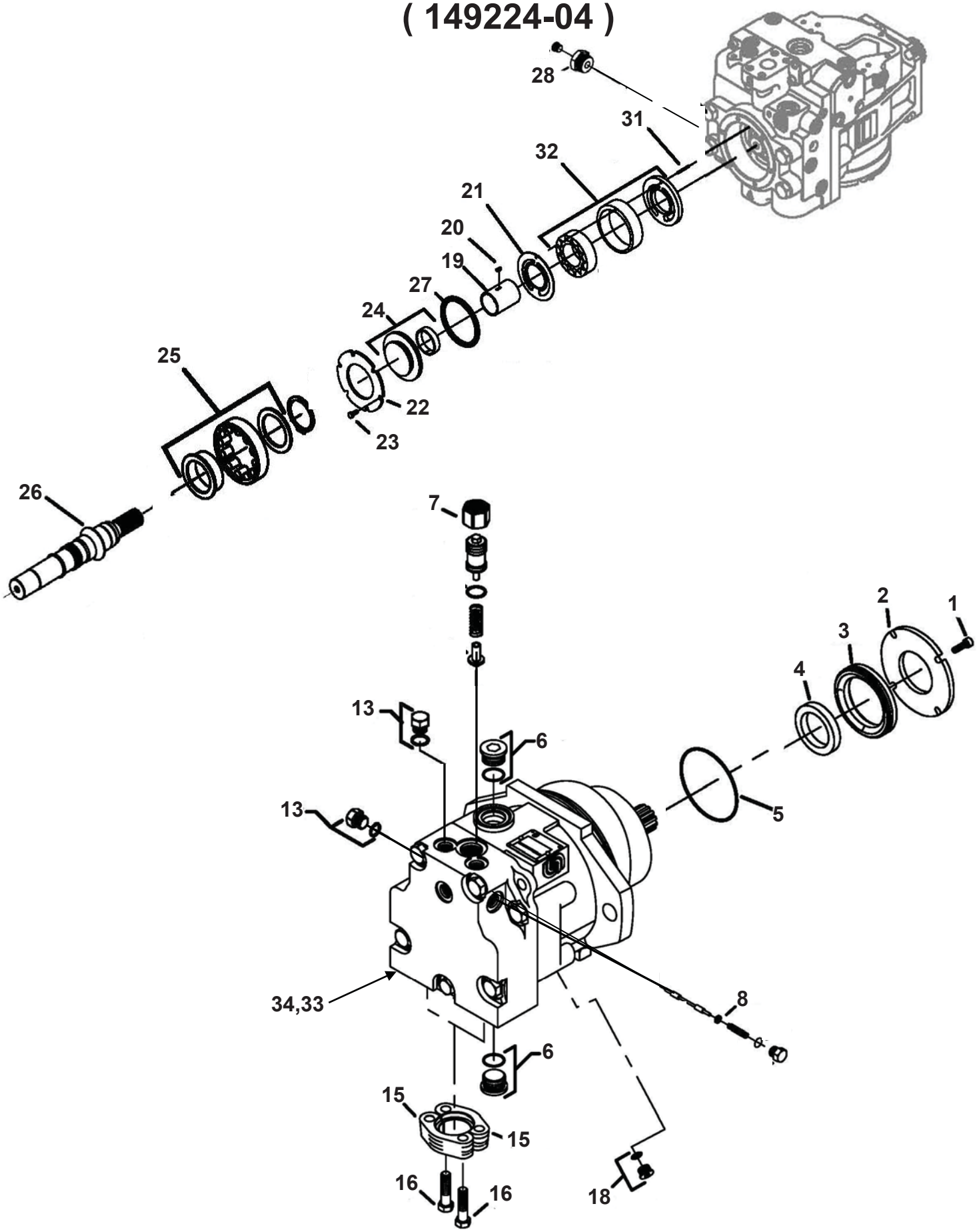
# C-2 DRIVE GEARBOX
# ( 203739-01 )

| 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 | | | |
| 44 | | | |
| 45 | | | |



ROADTEC an Astec Industries Company

# C-2 DRIVE MOTOR
# ( 149224-04 )

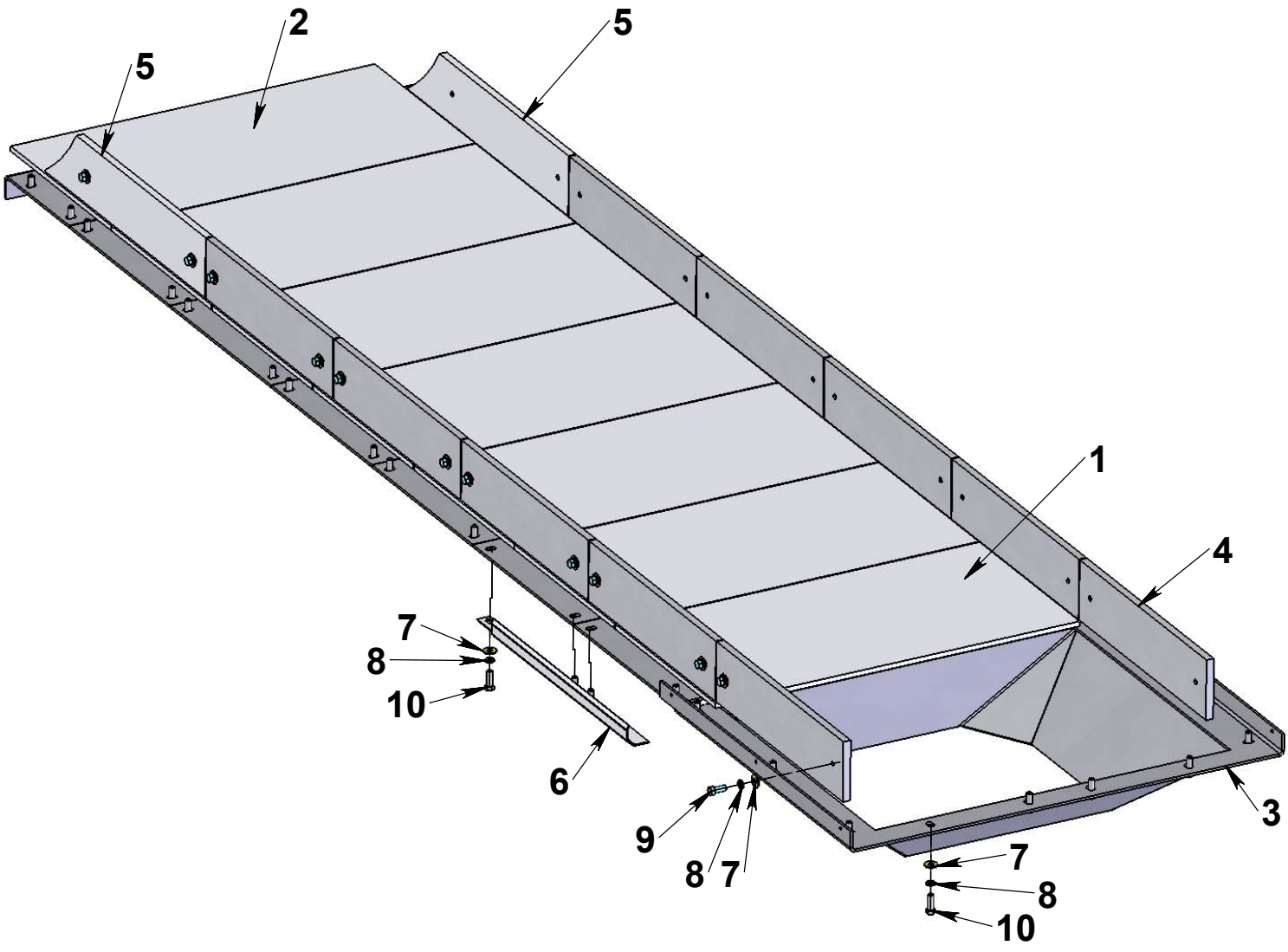


# C-2 DRIVE MOTOR
# (149224-04)

| 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 | | | |

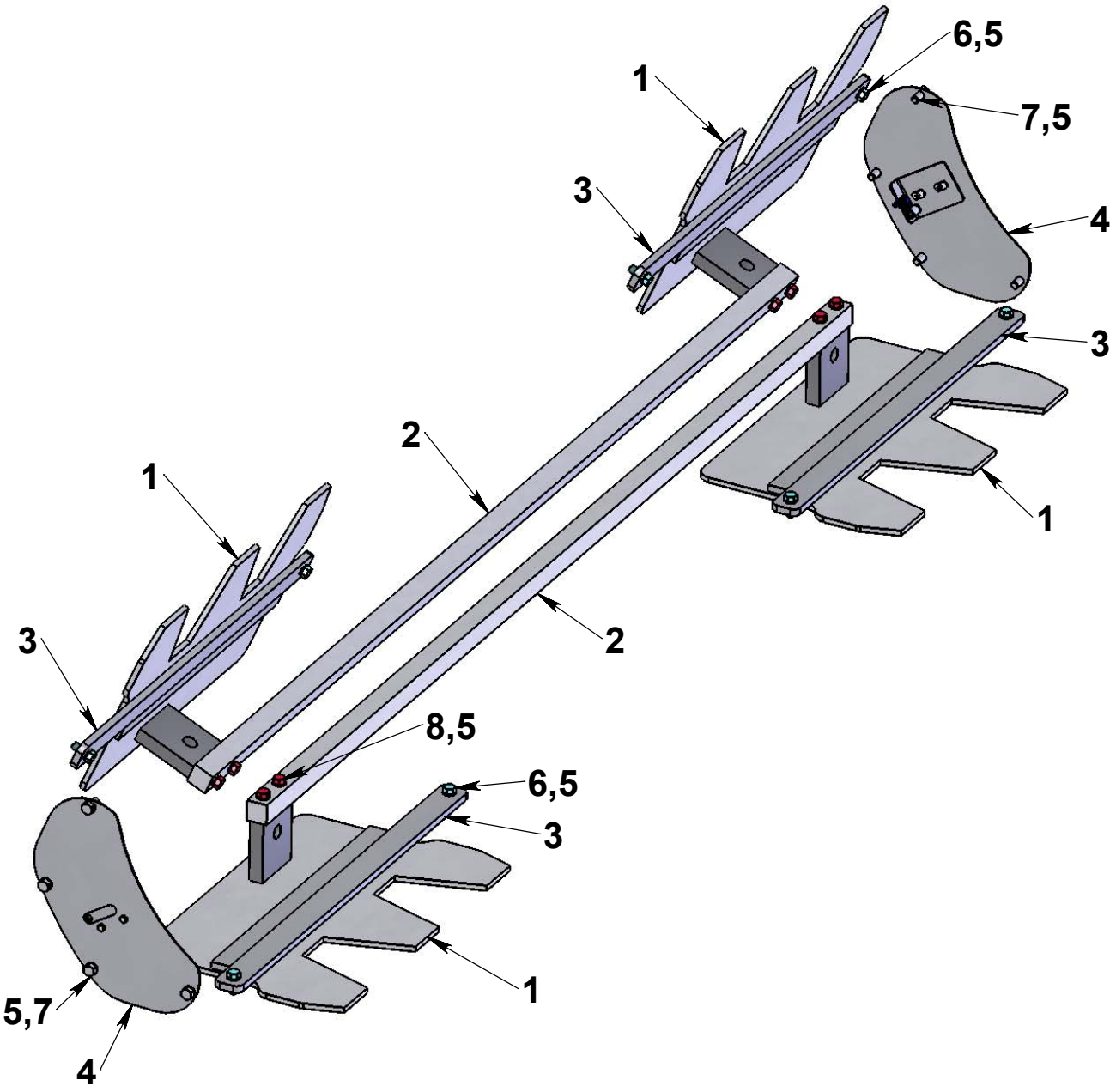
CODE: 90M130-NC-0-N-8-N-O-F1-W-00-EEA-00-00-53-

# ASSEMBLY-C2 CLAD WEAR PLATES (235443-01)



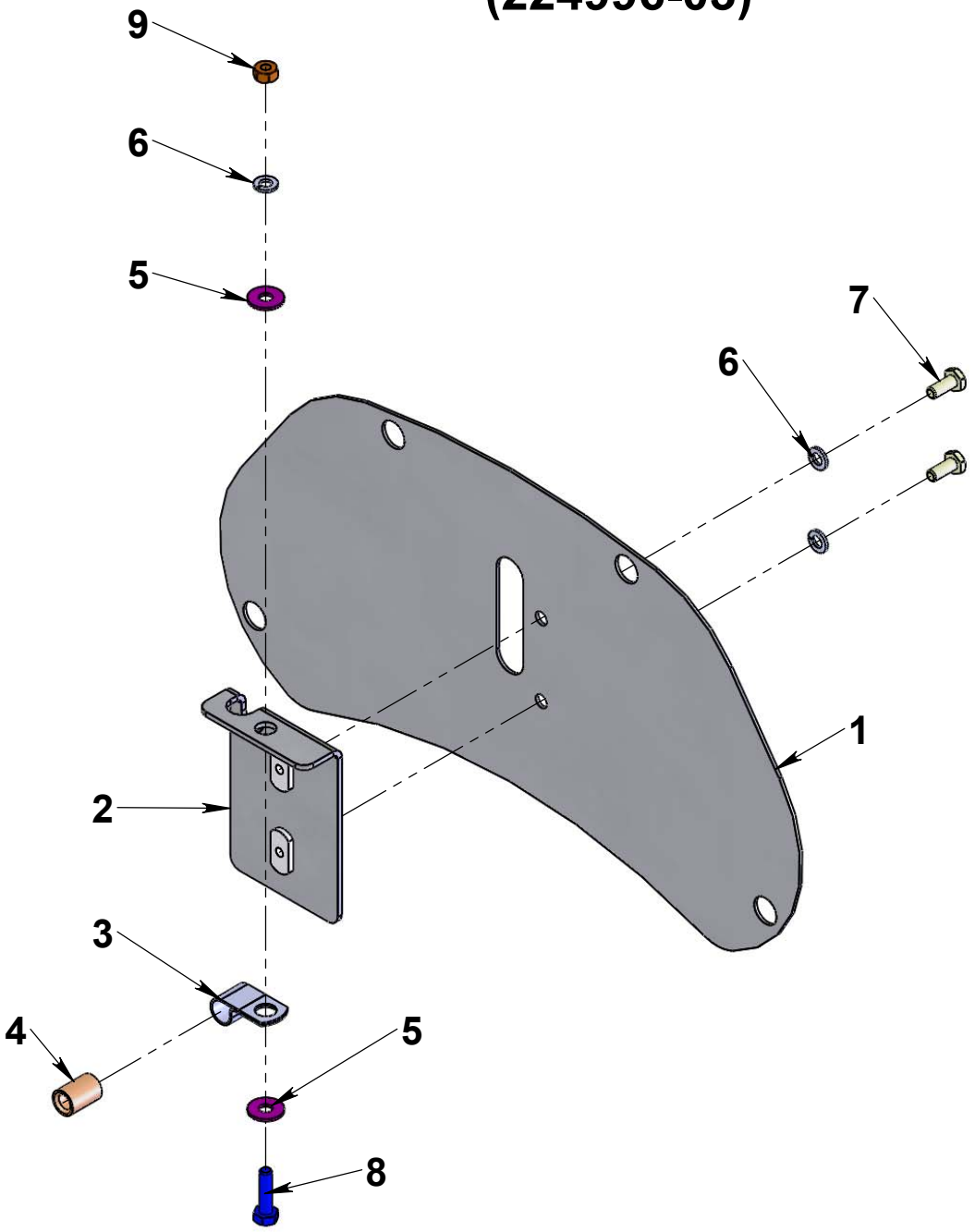

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 235445-01 | WELDMENT-C2 WEAR PLATE | 6 |
| 2 | 235444-01 | WELDMENT-C2 FIRST WEAR PLATE | 1 |
| 3 | 213515-01 | C-2 DISCARGE CHUTE WELDMENT | 1 |
| 4 | 149877-03 | SIDE LINER FOR C-1/C-2 | 10 |
| 5 | 236386-03 | DETAIL-C2 SIDE PLATE | 2 |
| 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 |

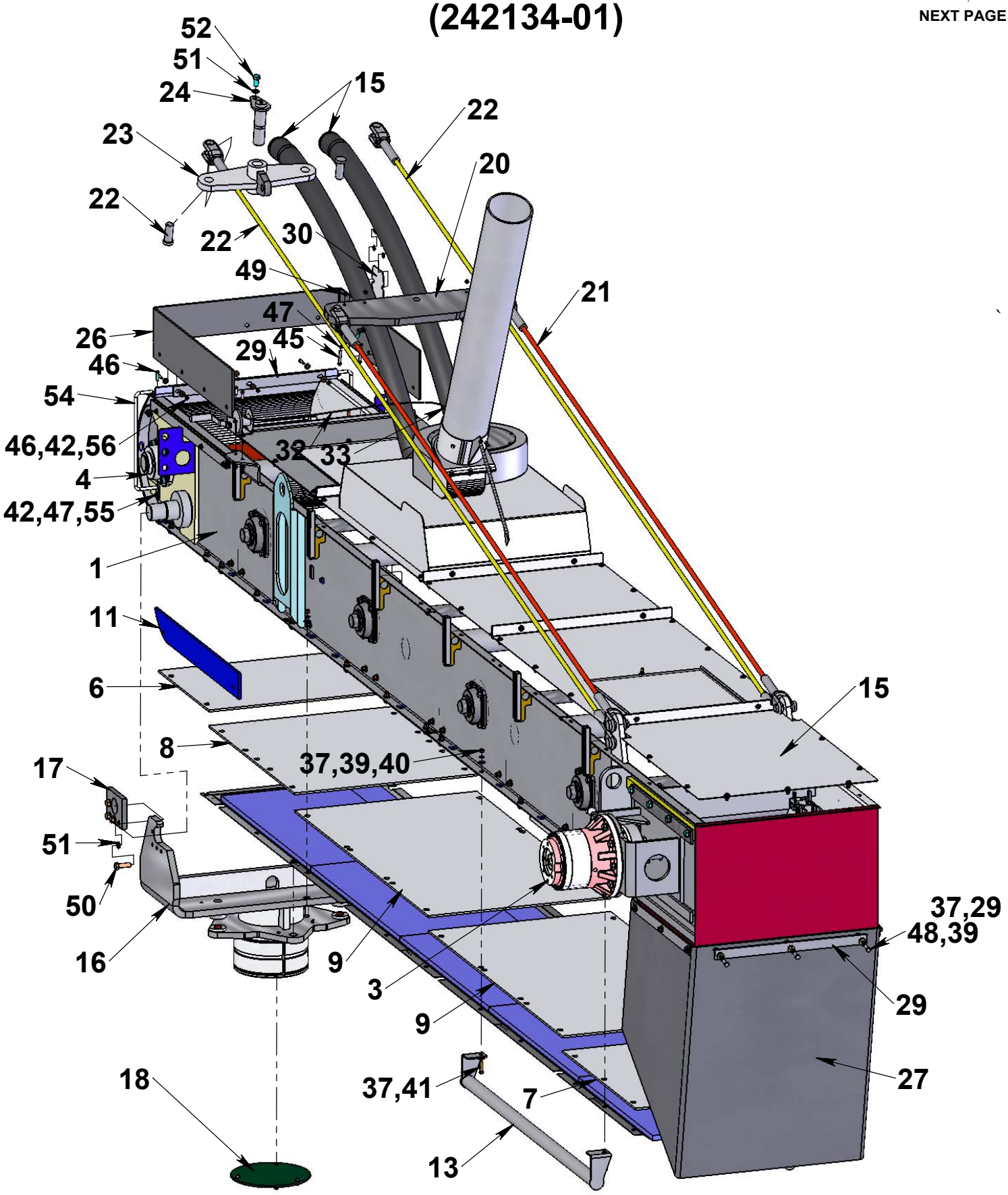
# ASSY-FLOWGATE ACCESS COVER (224996-03)




| 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 |

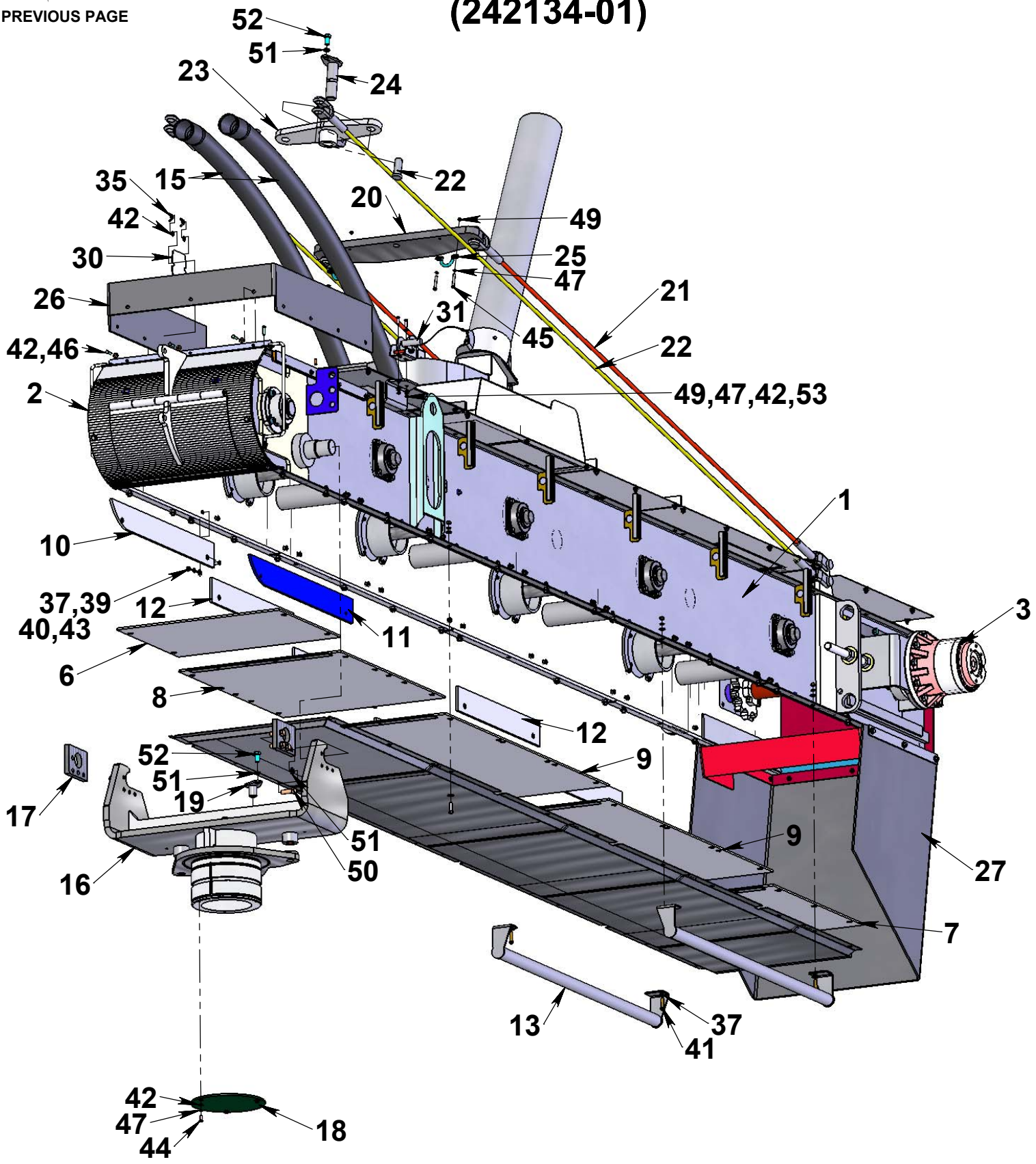
# ASSEMBLY-C3 CONVEYOR SB-2500E (242134-01)

NEXT PAGE



PREVIOUS PAGE

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






ROADTEC an Astec Industries Company

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

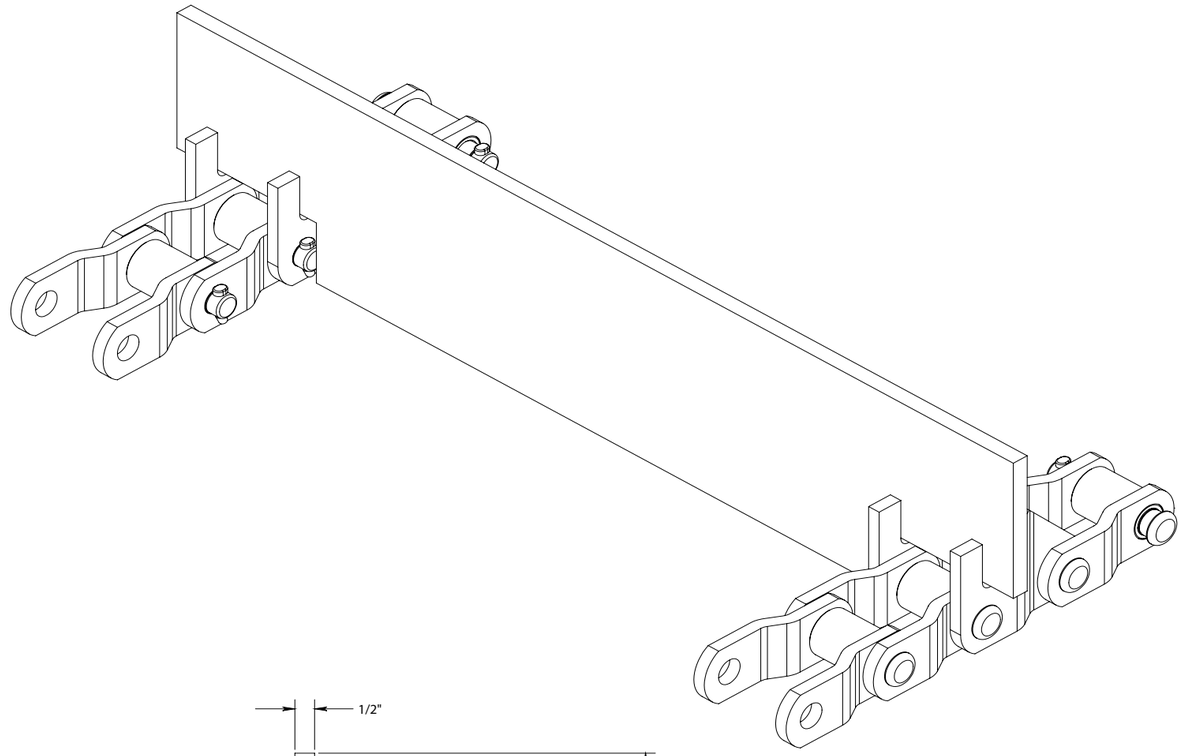
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 242135-01 | WELDMENT-C3 CONVEYOR | 1 |
| 2 | 242136-01 | WELDMENT-C3 CLEAN OUT DOOR | 1 |
| 3 | 234460-01 | ASSEMBLY-C3 HEAD SHAFT & TAKE-UP | 1 |
| 4 | 234462-01 | ASSEMBLY-C3 FOOT SHAFT | 1 |
| 5 | 234452-01 | ASSEMBLY-C3 IDLER | 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 | 113 |
| 38 | 89142 | BOLT ~ HEX 1/2"-13UNC x 1 3/4" | 34 |
| 39 | 83317 | WASHER * LOCK 1/2" SPRING STEEL | 75 |
| 40 | 83288 | NUT * 1/2"-13 HEX GRADE 8 | 66 |
| 41 | 84674 | BOLT ~ HEX 1/2"-13 x 2" | 4 |
| 42 | 83757 | WASHER ~ FLAT 3/8 STEEL | 26 |
| 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" | 13 |
| 47 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 21 |
| 48 | 93144 | BOLT * HEX 1/2"-13 X 1 1/2" | 9 |
| 49 | 83055 | NUT * 3/8-16 HEX GRADE 8 | 8 |
| 50 | 93723 | BOLT ~ HEX 3/4"-10 x 2 1/2" | 8 |
| 51 | 83752-04 | WASHER ~ LOCK 3/4" SPRING STEEL | 10 |
| 52 | 95932 | BOLT * HEX 3/4"-10 X 1 1/2" | 2 |
| 53 | 96476 | BOLT * HEX 3/8"-16 X 1 1/4" | 2 |
| 54 | 242137-03 | WLDT-C3 HYDRAULIC HOSE SPACER | 2 |
| 55 | 86127-04 | BOLT * HEX 3/8"-16 X 3/4" | 2 |
| 56 | 92235 | NUT * 3/8"-16 LOCK GRADE 8 | 3 |

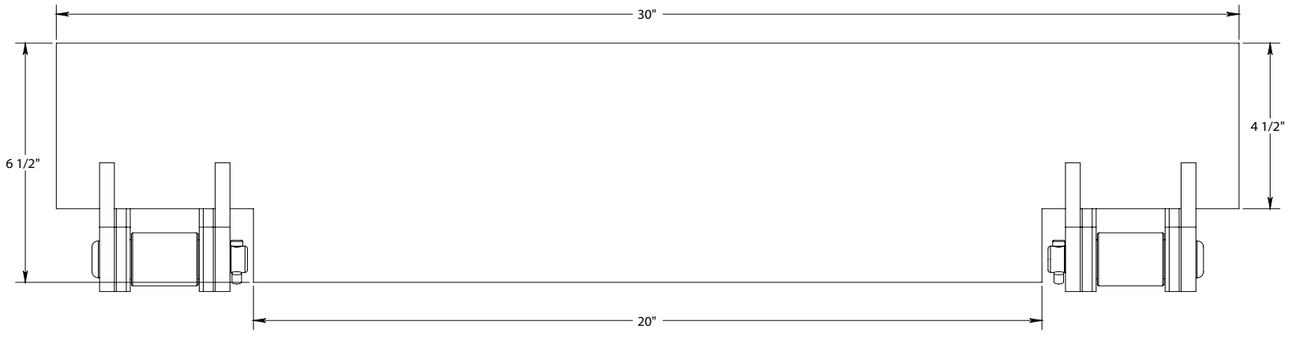


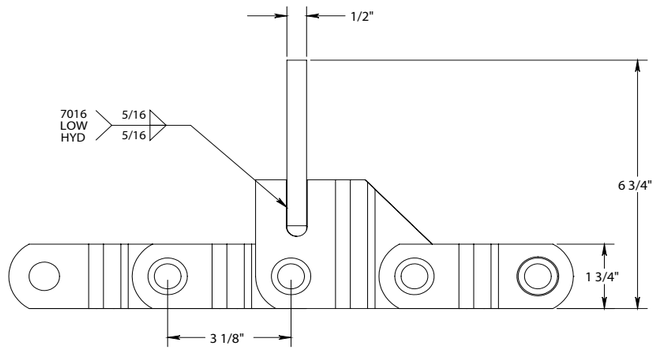
ROADTEC an Astec Industries Company

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



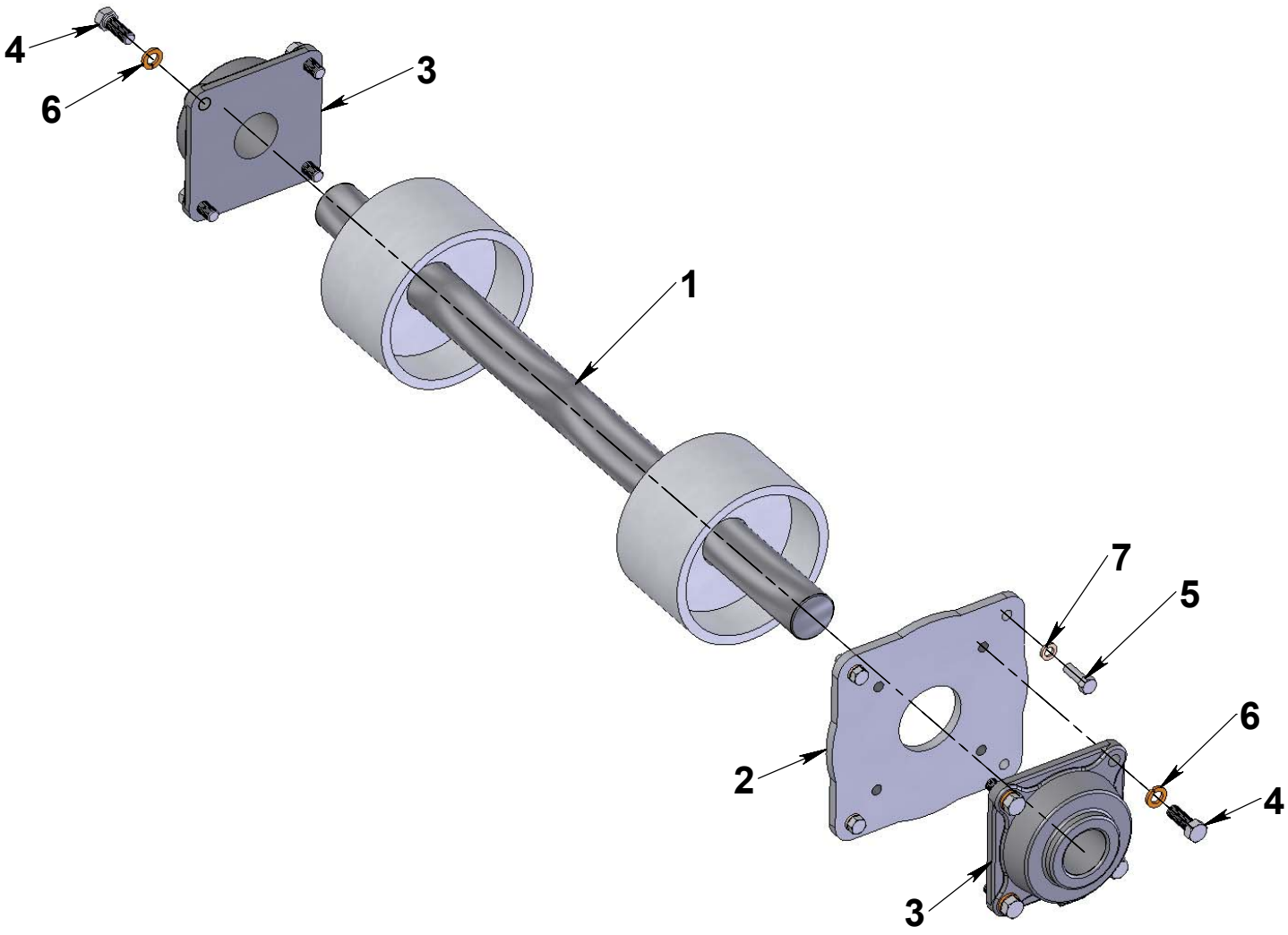




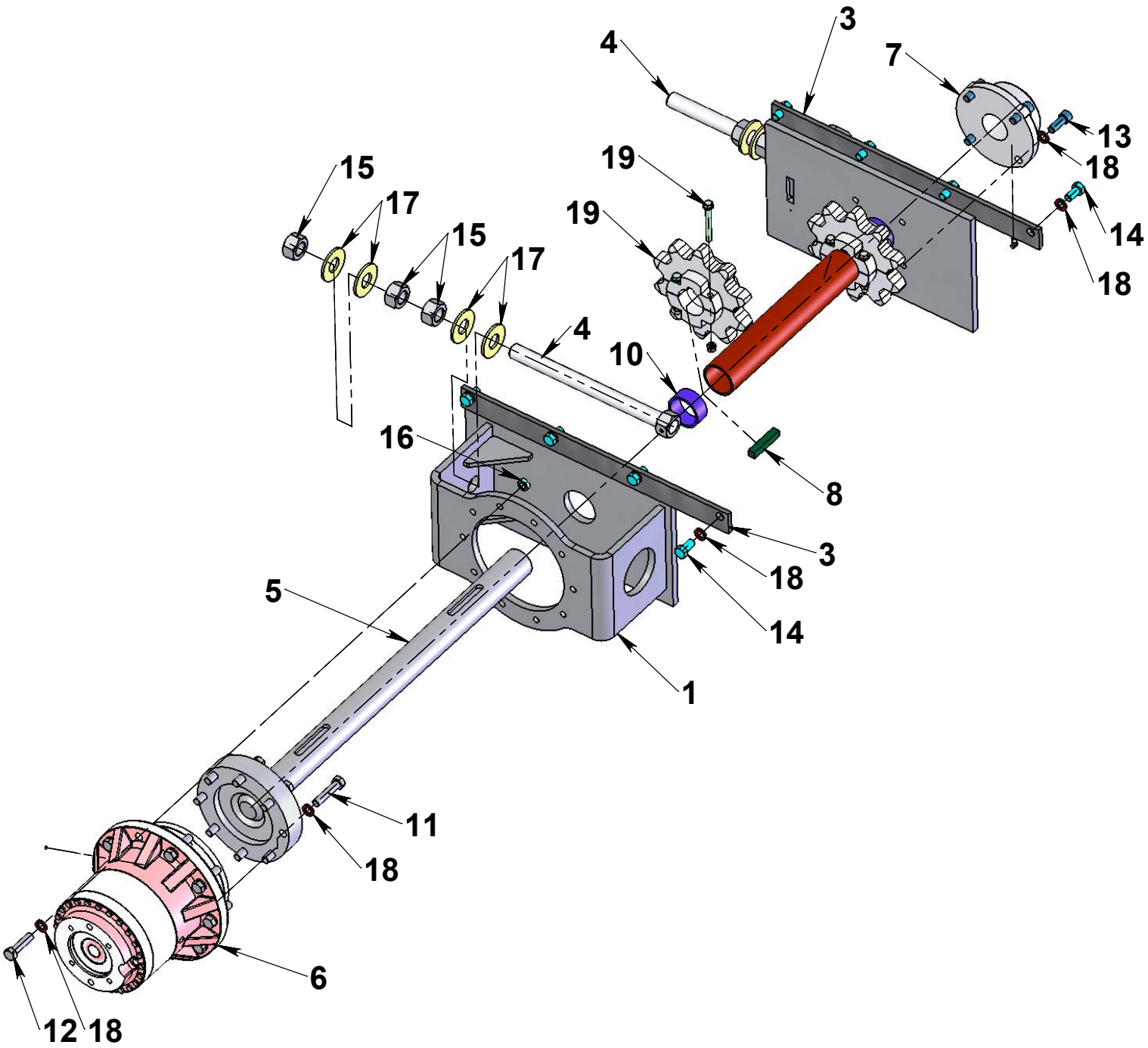

ROADTEC
an Astec Industries Company

# 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 |

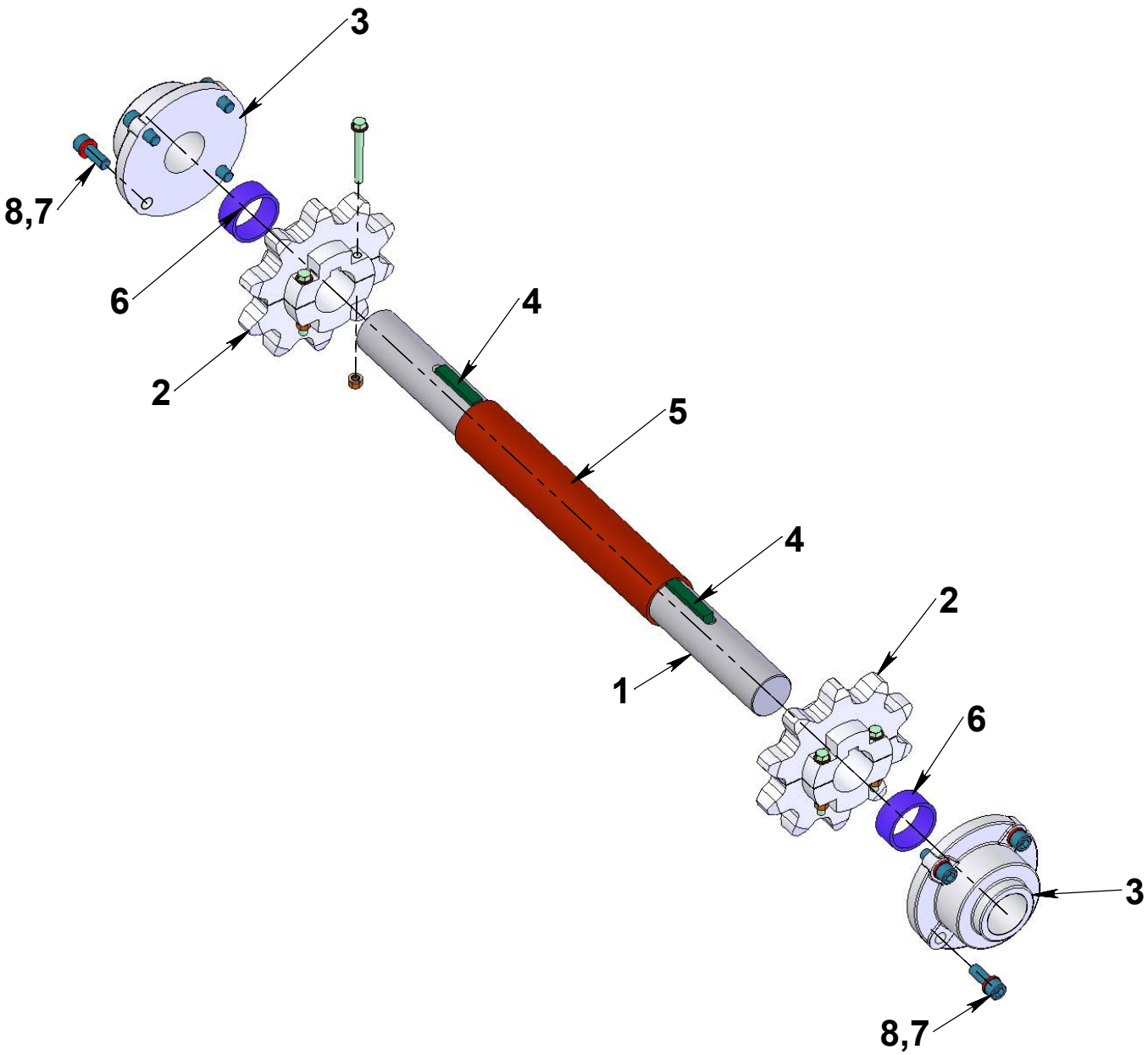
# ASSEMBLY-C3 HEAD SHAFT & TAKE-UP
# (234460-01)



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

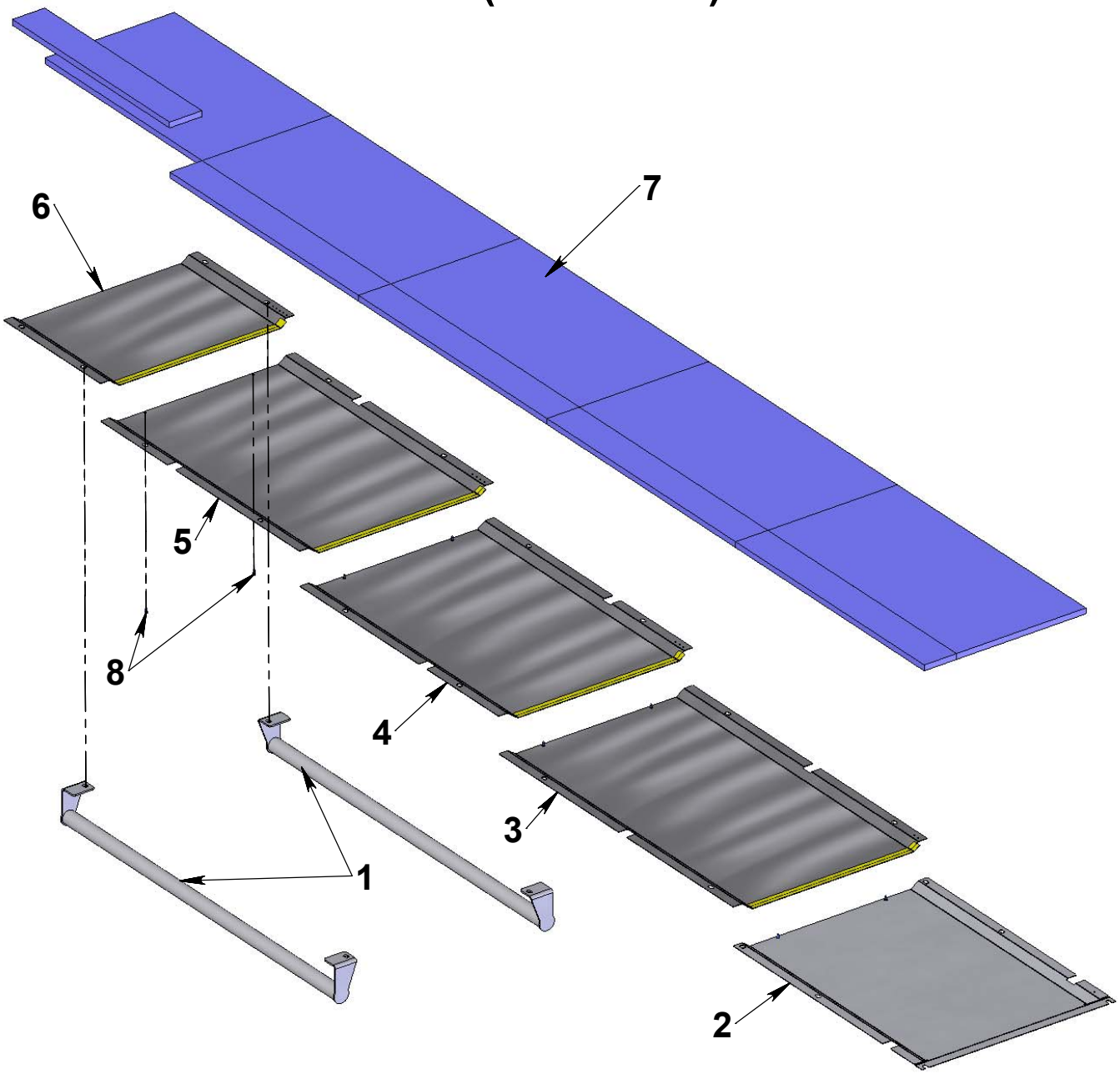
| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 234659-01 | WELDMENT-C3 TAKE-UP, LT DRIVE MOUNT | 1 |
| 2 | 234660-01 | WELDMENT-C3 TAKE-UP, RT BRNG MOUNT | 1 |
| 3 | 215750-03 | DETAIL-UPPER KEEPER BAR | 2 |
| 4 | 235222-04 | ASSEMBLY-TAKE-UP SCREW | 2 |
| 5 | 99779-01 | WELDMENT-C3 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)



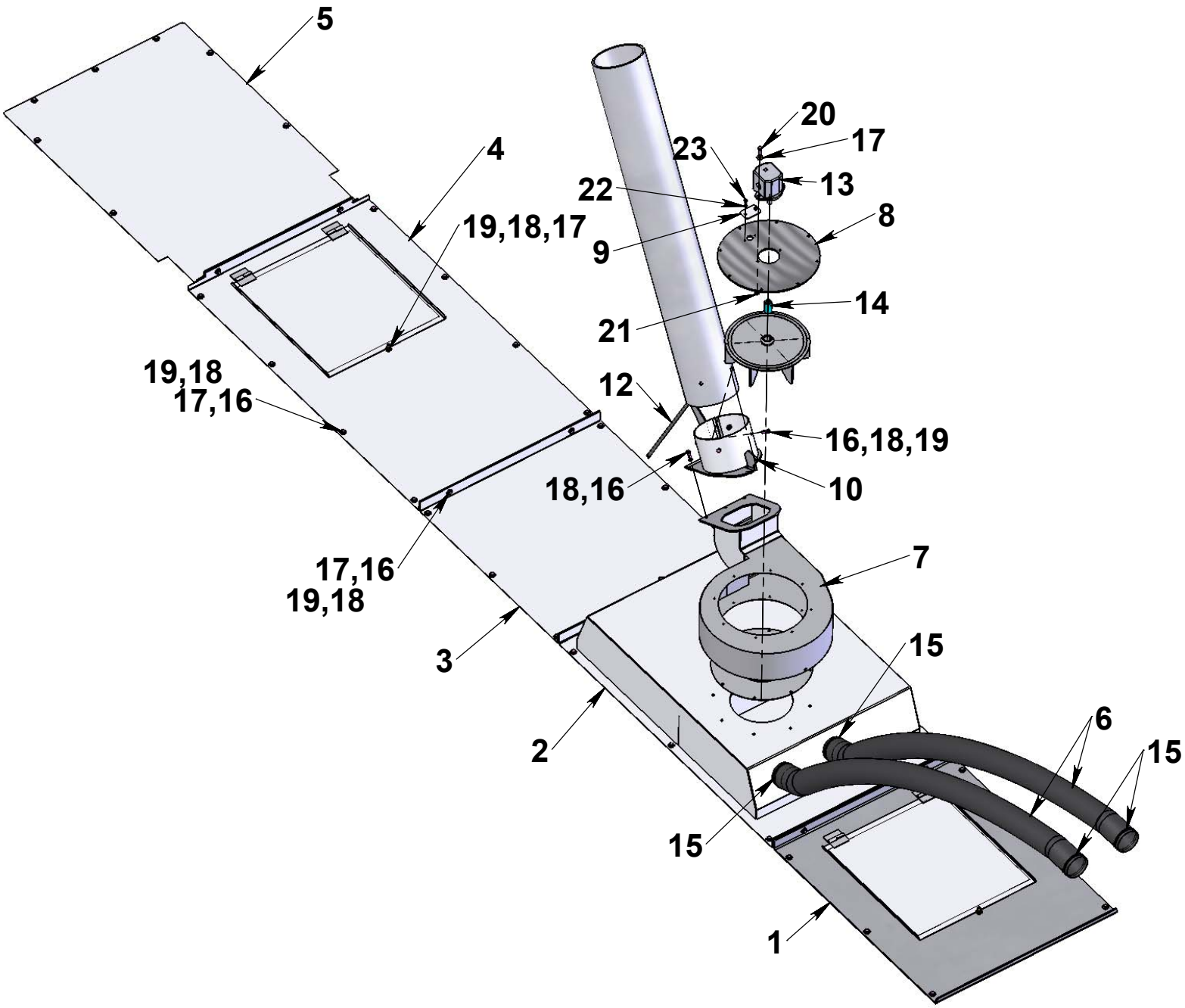

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 234463-03 | DETAIL-C3 TAIL SHAFT | 1 |
| 2 | 235350-03 | SPROCKET * C3 SB-2500E | 2 |
| 3 | 29G14 | BEARING * FLANGED BLOCK 2000 SERIES | 2 |
| 4 | 123168-01-48 | KEYSTOCK, 3/4", 4" LG, CD-1018 | 2 |
| 5 | 234460-01-16 | PIPE * 3" SCH.40, 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 |

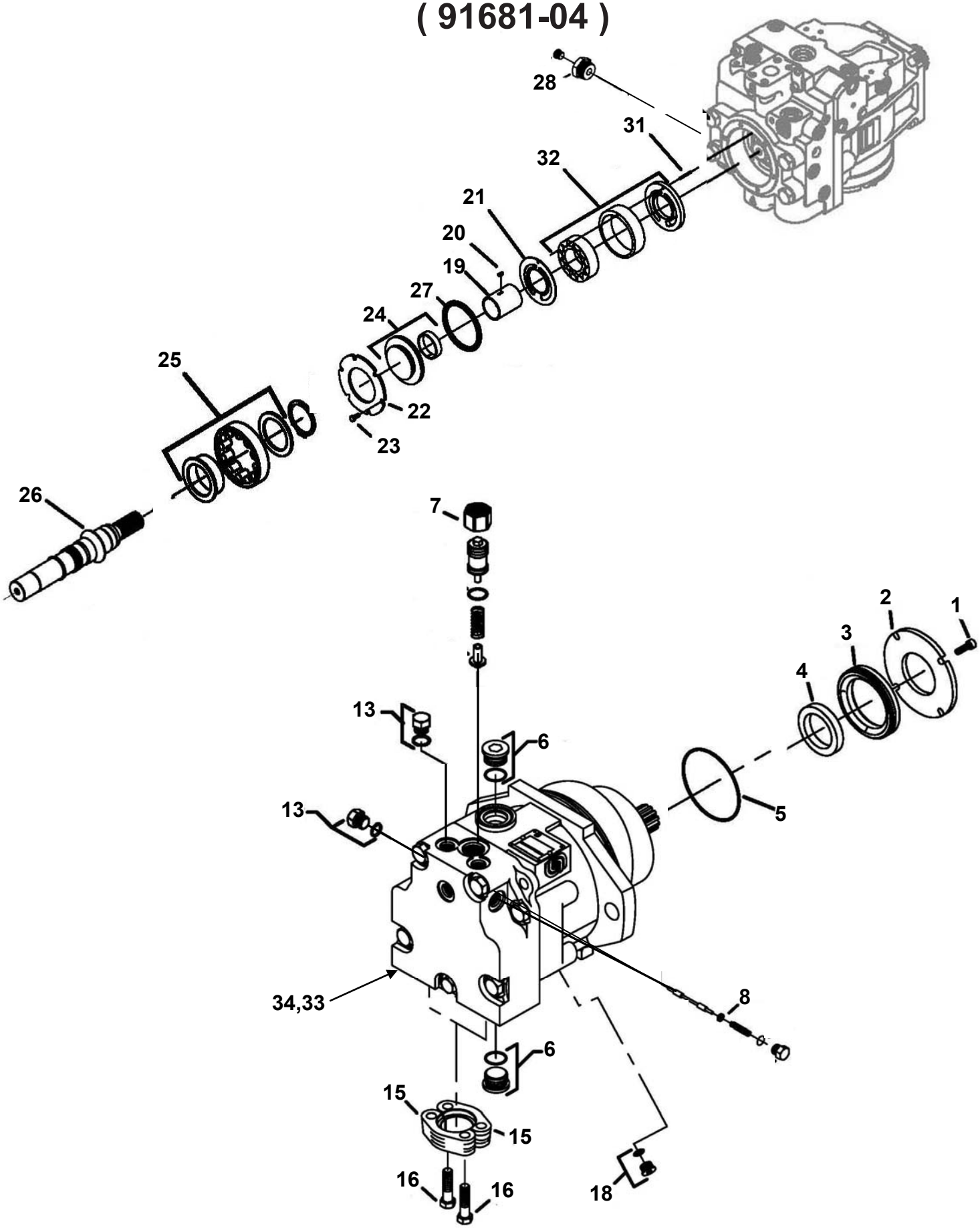
# ASSEMBLY-C3 TOP COVER
# (234450-01)



# 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 | 2 |
| 23 | 83114 | BOLT * HEX 1/4"-20 X 1/2" | 2 |

# C-3 DRIVE MOTOR
# ( 91681-04 )



# C-3 DRIVE MOTOR
# ( 91681-04 )

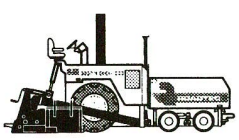
| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 91681-04-C5 | SCREW - SOC. HD. | 3 |
| 2 | 91681-04-C10 | RETAINER PLATE | 1 |
| 3 | 91681-04-C11 | CARRIER - SEAL | 1 |
| 4 | 91681-04-C3 | LIP SEAL | 1 |
| 5 | 91681-04-C4 | O-RING | 1 |
| 6 | 91681-04-C12 | PLUG W/ O-RING | 2 |
| 7 | 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 | | | |

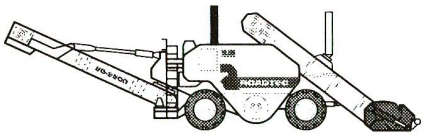
CODE: 90M055-NC0O-N-8-N-O-S1-W-OO-HNN-OO-OO-24

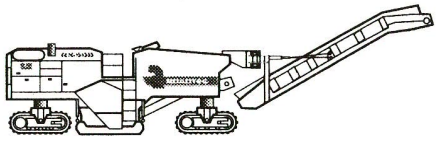
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







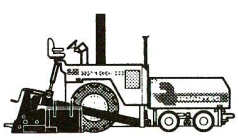
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

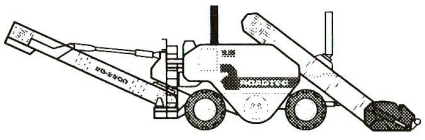
ROADTEC
an Astec Industries Company

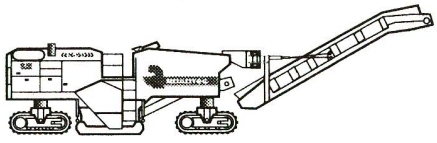
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

ROADTEC
an Astec Industries Company

# SECTION 5 : HYDRAULICS

NEXT PAGE

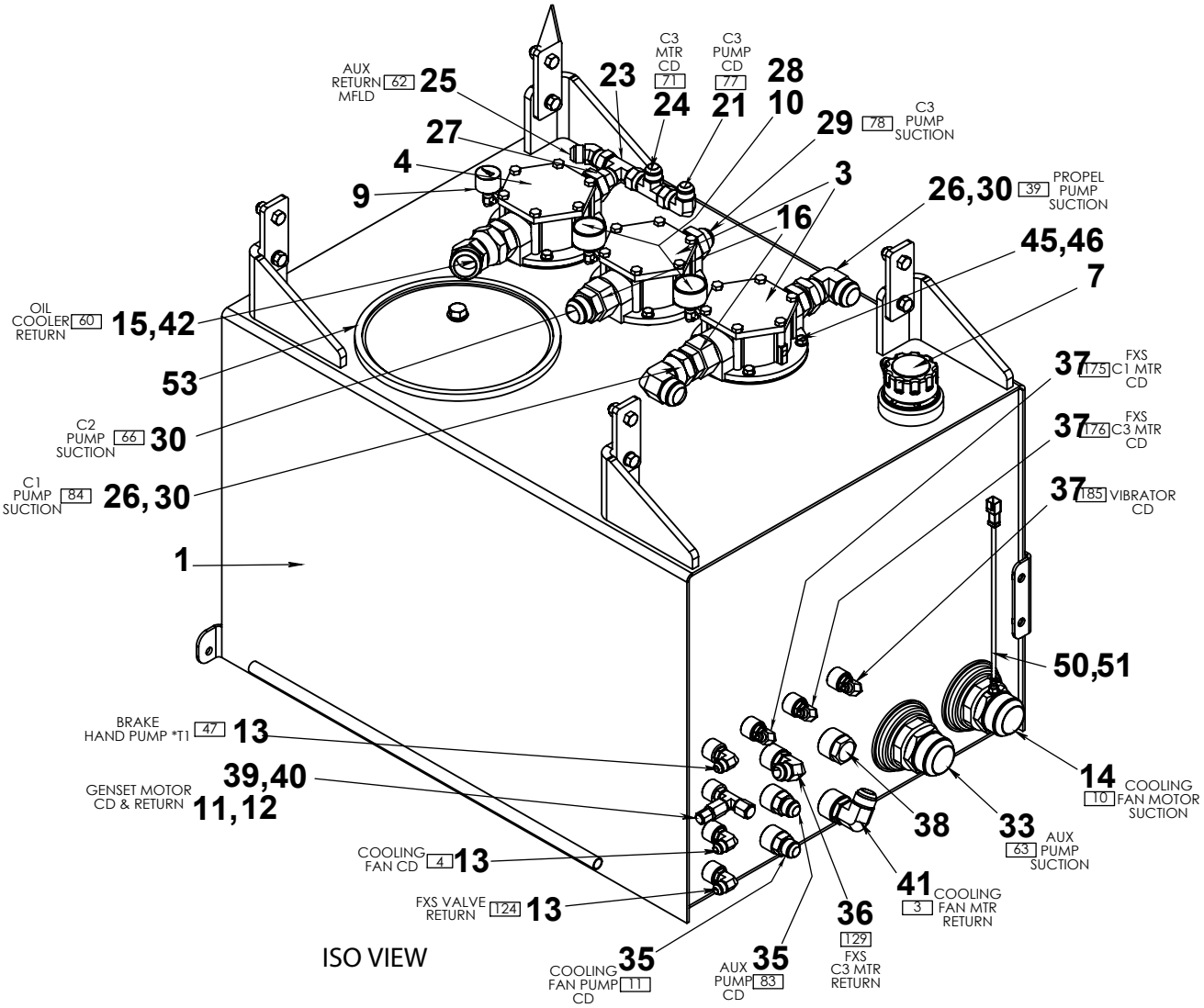

| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| HYDRAULIC TANK | 244215-01 | 2013 & UP | 5.1 |
| HOUSING.- DOUBLE ELEMENT FILTER | 29G38 | | 5.4 |
| 18” ELEMENT | 229517-03 | | 5.5 |
| HOUSING - 2 ELEMENT FILTER W/ BY-PASS | 29G37 | | 5.6 |
| 18” ELEMENT | 229518-03 | | 5.7 |
| DRIVE ( PROPEL ) | 239584-01 | | 5.8 |
| DIFF. LOCK VALVE | 221111-02 | | 5.10 |
| BRAKE CIRCUIT | 242502-01 | | 5.12 |
| HAND-PUMP / PILOT VALVES MANIFOLD | 242296-03 | | 5.15 |
| BRAKE PRESS. SWITCH | 215977-03 | | 5.17 |
| STEERING | 226479-01 | | 5.18 |
| CYLINDER, STEERING | 219625-03 | | 5.20 |
| SLIDE PLATFORM & FLOWGATES | 240171-01 | | 5.22 |
| FLOWGATE CNTL. MANIFOLD | 236178-02 | | 5.24 |
| CYLINDER, FLOWGATE | 144894-01 | | 5.25 |
| FUME CONTROL | 236280-02 | | 5.26 |
| FUME CNTL. MANIFOLD | 236180-03 | | 5.28 |
| AUXILIARY PUMP & OIL COOLER | 242503-01 | | 5.30 |
| FILTER, HI PRESS. IN-LINE | 242483-03 | | 5.32 |
| RETURN MANIFOLD | 238603-03 | | 5.33 |
| AUX. RETURN MANIFOLD | 236251-03 | | 5.34 |
| AUX. PRESSURE MANIFOLD | 242297-03 | | 5.35 |
| C-1 HYD. PUSH ROLLER | 209080-01 | | 5.37 |
| PUSH ROLLER MANIFOLD | 209079-02 | | 5.39 |
| CYLINDER, PUSH ROLLER | 147955-03 | | 5.40 |
| HOOD RAISE | 204266-01 | | 5.41 |
| CYLINDER, HOOD RAISE | 201812-01 | | 5.44 |
| C-1 CONVEYOR DRIVE | 239586-01 | | 5.46 |
| C-1 RAISE / LOWER | 242501-01 | | 5.48 |
| C-1 RAISE/LOWER MANIFOLD | 242500-03 | | 5.50 |
| CYLINDER, C-1 RAISE/LOWER | 207380-01 | | 5.51 |
| C-1 HOPPER | 240549-01 | | 5.52 |
| C-1 HOPPER CONTROL MANIFOLD | 236176-02 | | 5.55 |
| CYLINDER, C-1 HOPPER RAISE | 97482-01 | | 5.57 |
| CYLINDER, C-1 BAFFLE | 215523-01 | | 5.58 |
| C-2 CONVEYOR DRIVE | 239588-01 | | 5.60 |
| C-2 HOPPER CLEAN OUT | 226792-01 | | 5.63 |
| CYLINDER, C-2 CLEAN OUT | 225738-01 | | 5.65 |

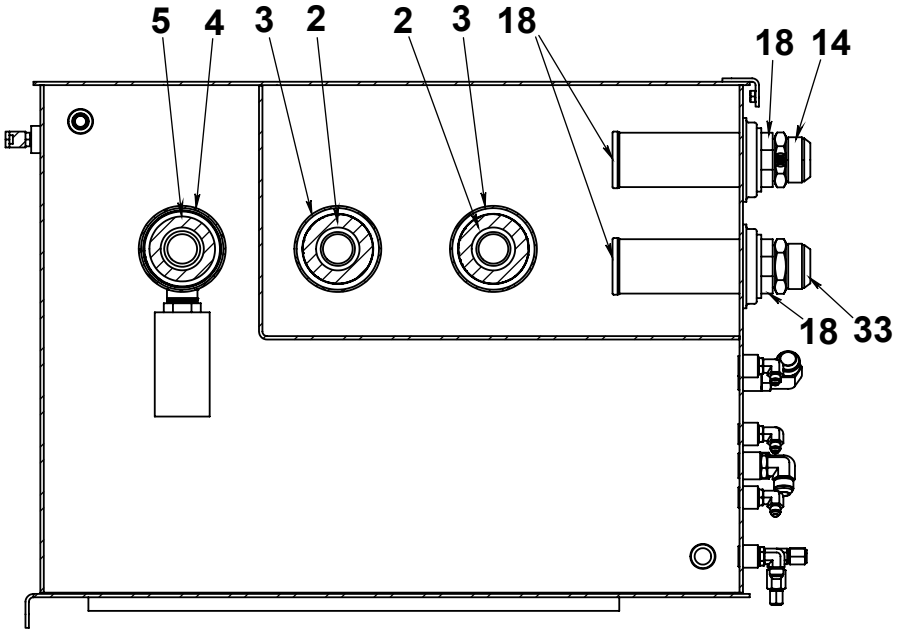
# SECTION 5 : HYDRAULICS


| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| C-3 CONVEYOR DRIVE | 236184-01 | | 5.66 |
| C-3 CONTROL | 236339-01 | | 5.69 |
| C-3 CNTL. MANIFOLD | 236179-02 | | 5.73 |
| CYLINDER, C-3 LIFT | 214518-01 | | 5.75 |
| CYLINDER, C-3 SWING | 144901-01 | | 5.76 |
| COOLING FAN HYD'S. | 240465-01 | | 5.78 |
| HYDRAULIC TUB | 242062-01 | | 5.80 |
| LT TUB BULKHEAD | 242090-03 | | 5.82 |
| RT TUB BULKHEAD | 242091-03 | | 5.83 |
| LUBRICATION CHART | | | |
| JIC FITTING INSTRUCTIONS | 134914-02 | | |
| SPEED CHART | 236382-01 | | |
| HOSE KIT | 242040-04 | 2005 & UP | |
| SCHEMATIC | 240284-01 | 2003 & UP | |

# ASSEMBLY, HYD. TANK SB-2500eX
# ( 244215-01 )

NEXT PAGE



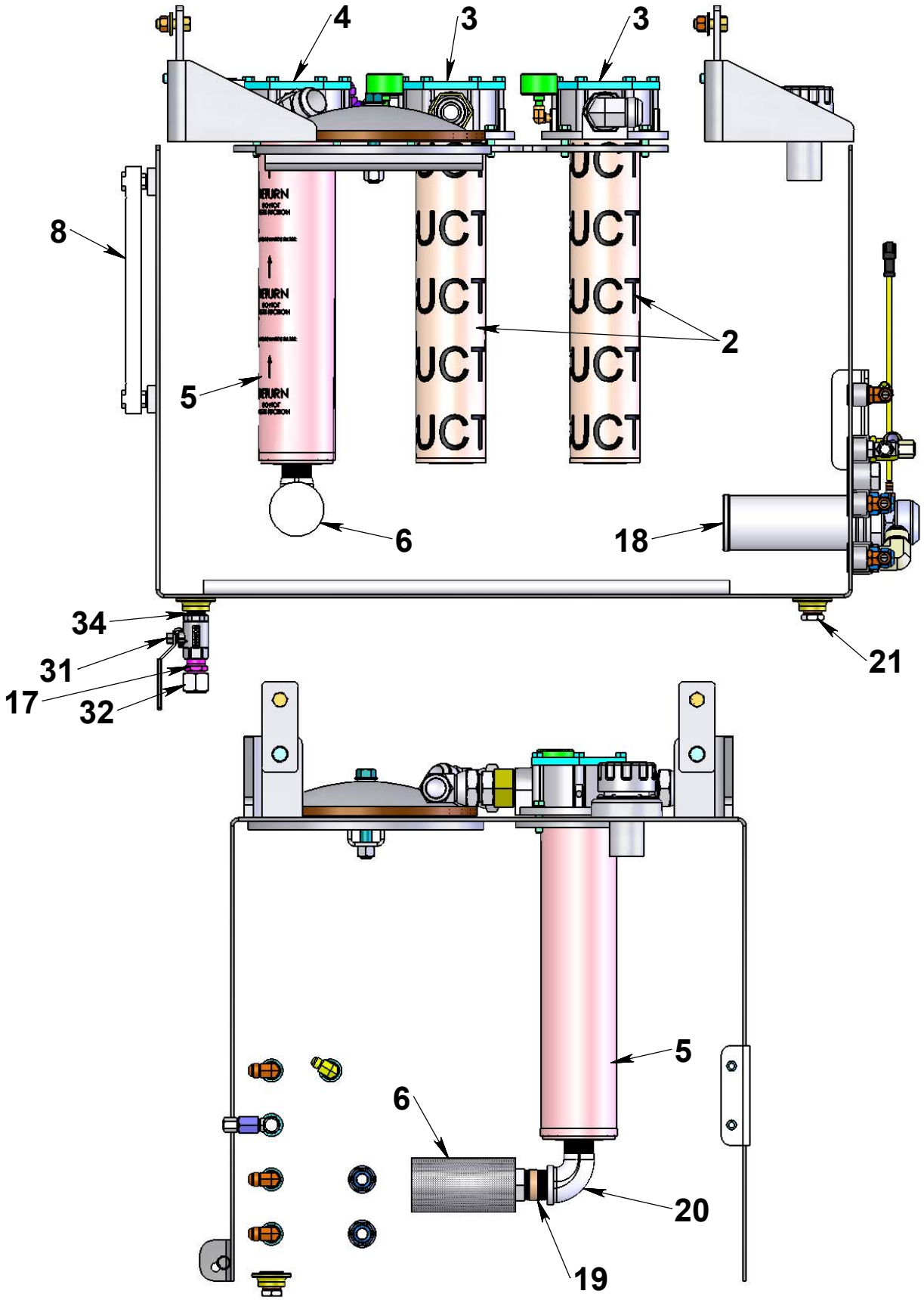






ROADTEC an Astec Industries Company

PREVIOUS PAGE

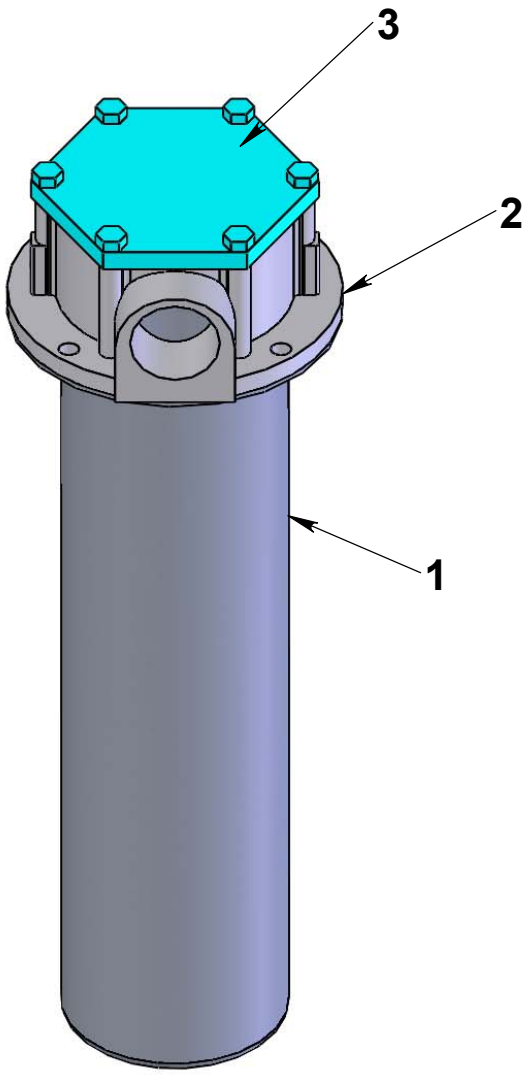
# ASSEMBLY-HYD TANK, SB-2500ex (244215-01)



# ASSEMBLY-HYD TANK, SB-2500ex (244215-01)

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 242408-01 | 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 | 1 |
| 13 | 83460-04 | FIT ~ ELBOW 8 JIC M x 8 SAE 90 STEEL | 3 |
| 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. | 1 |
| 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 | 8 |
| 44 | 86164 | BOLT * HEX 1/2"-13 X 1 1/4" | 4 |
| 45 | 83924 | BOLT * HEX 3/8"-16 X 1 1/2" | 12 |
| 46 | 83056 | WASHER ~ LOCK 3/8 SPRING STEEL | 12 |
| 47 | 83781-04 | WASHER * FLAT 1/2" STEEL | 4 |
| 48 | 218969-04 | BOLT * HEX 1/2-13 X 1 1/2 (L9) | 4 |
| 49 | 83288 | NUT * 1/2"-13 HEX GRADE 8 | 4 |
| 50 | 236344-04 | ELEC * AUXILIARY TEMP SENSOR | 1 |
| 51 | 216674-03-C1 | KIT * O-RING | 1 |
| 52 | 239972-04 | DETAIL-HYDRAULIC TANK SPACER | 4 |
| 53 | 212796-03 | ASSEMBLY-HYDRAULIC TANK COVER | 1 |

# FILTER ~ HOUSING DOUBLE ELEMENT (29G38)




**REPLACEMENT ELEMENT: #229517-03 10 MICRON SUCTION**

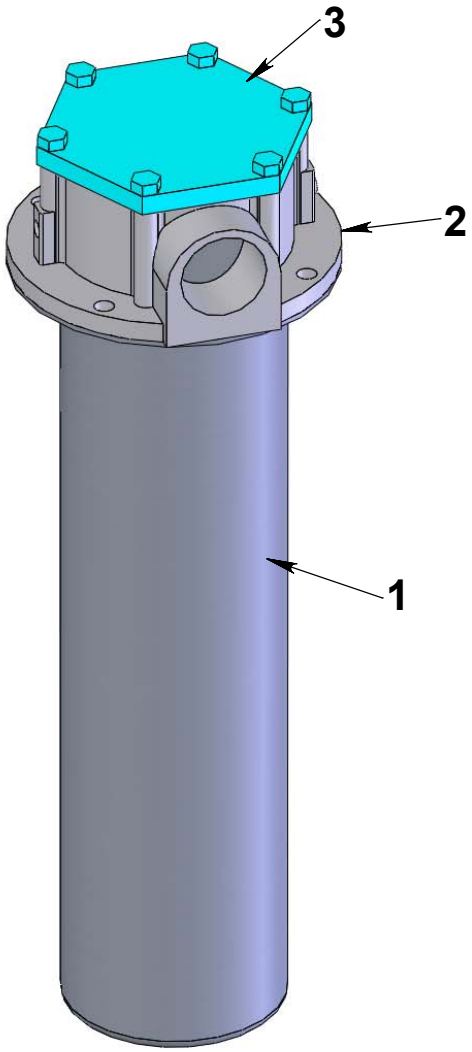
| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 29g38 bowl | 29g38 bowl | 1 |
| 2 | 28g38 filter head | 28g38 filter head | 1 |
| 3 | 29g38 filter head cap | 29g38 filter head cap | 1 |

# 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 |

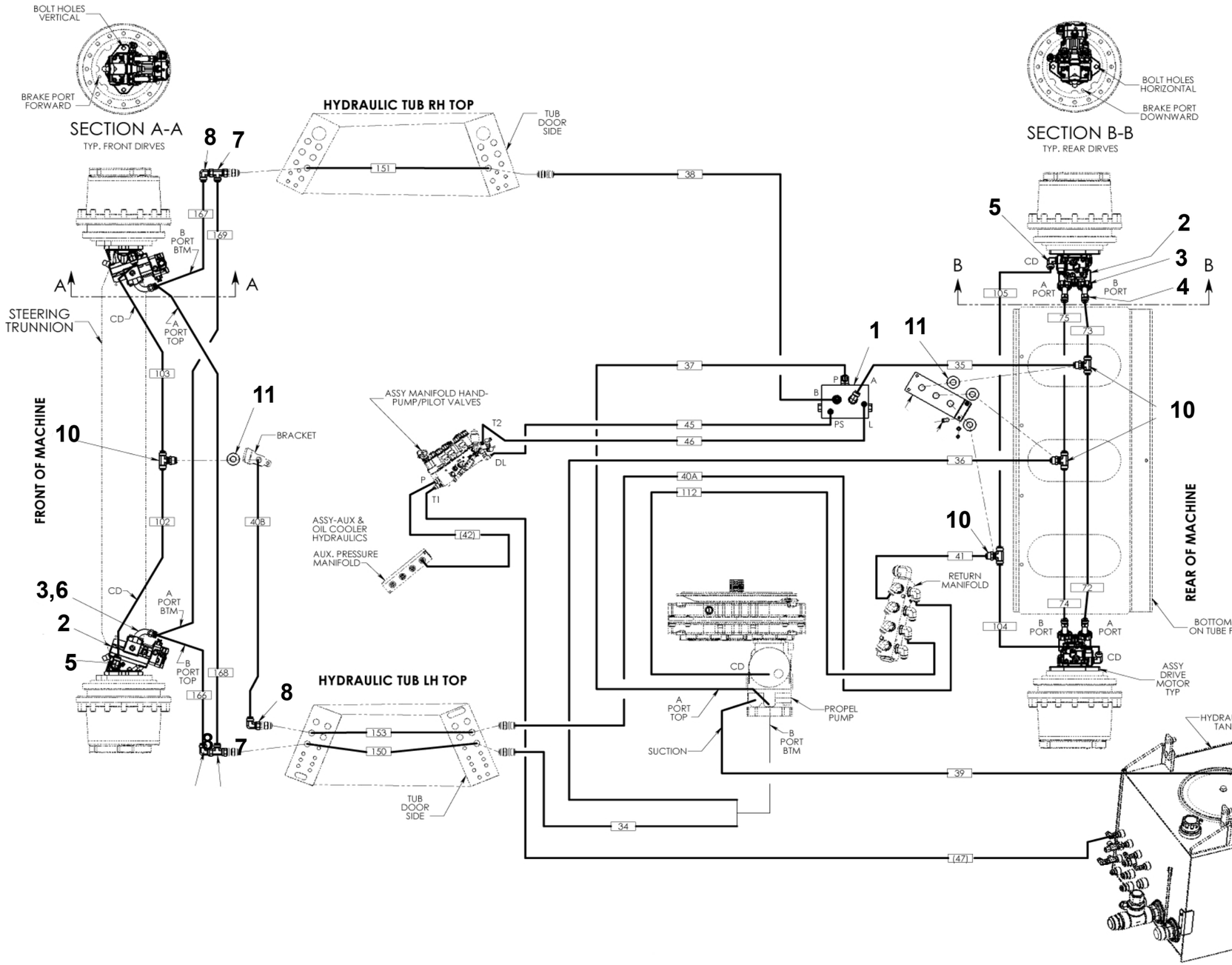
# ELEMENT - LABELED 18" RETURN (229518-03)

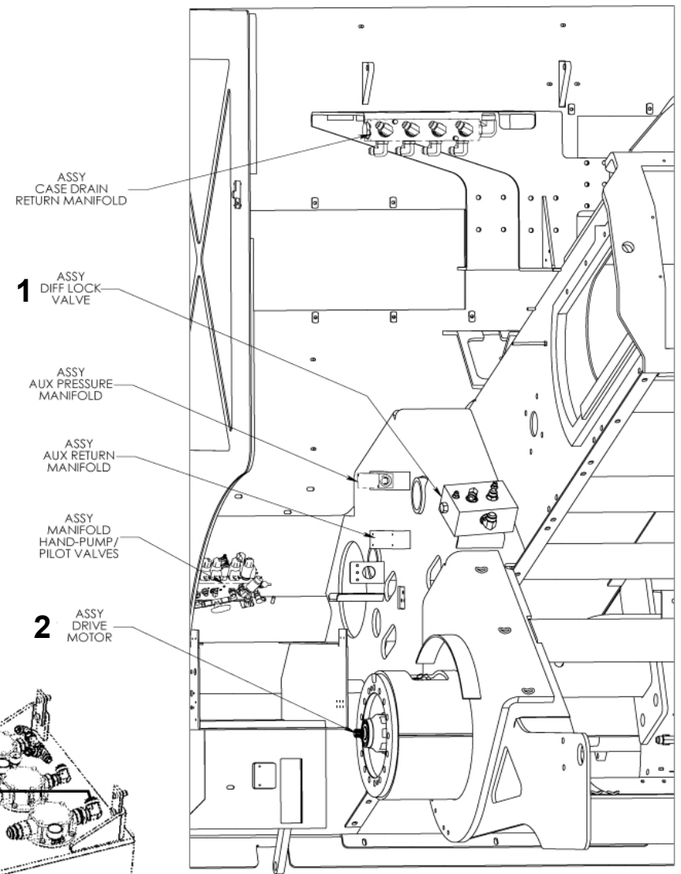



| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 229518-03 | ELEMENT - LABELED 18" RETURN | 1 |

# 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 |

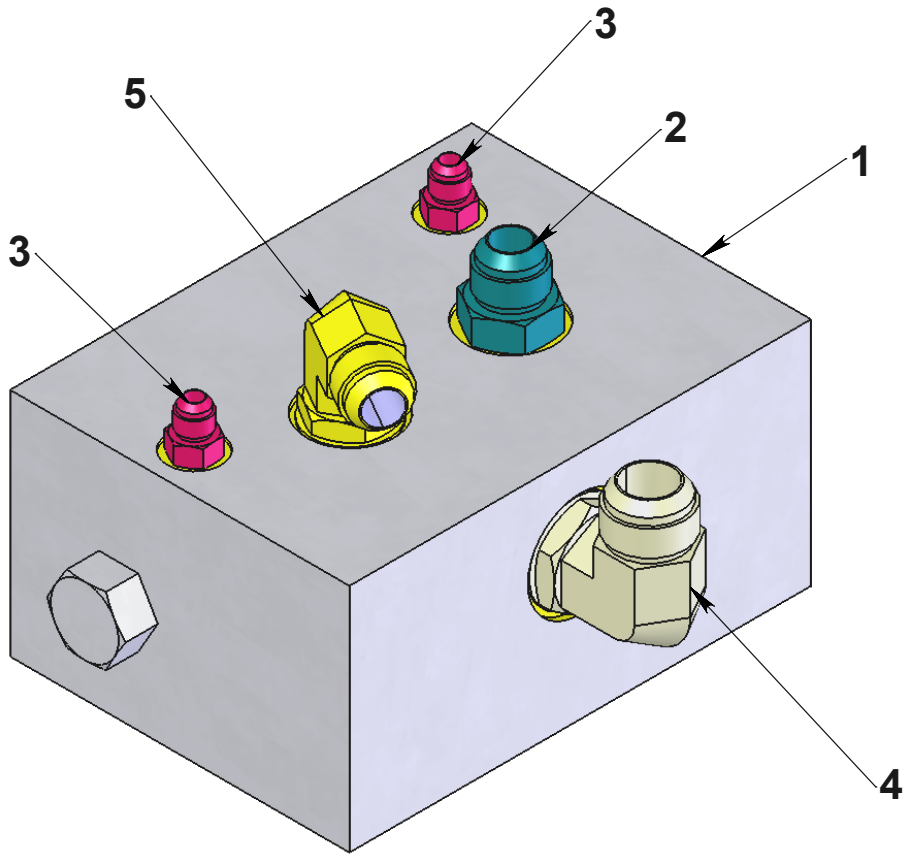



**COMPONENT LOCATION PARTIAL VIEW**

LH SIDE REAR QUARTER SHOWN

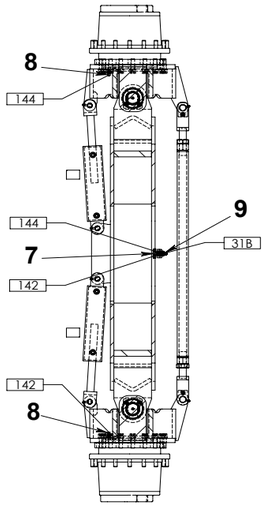
# ASSEMBLY- DIFF LOCK VALVE
# (221111-02)



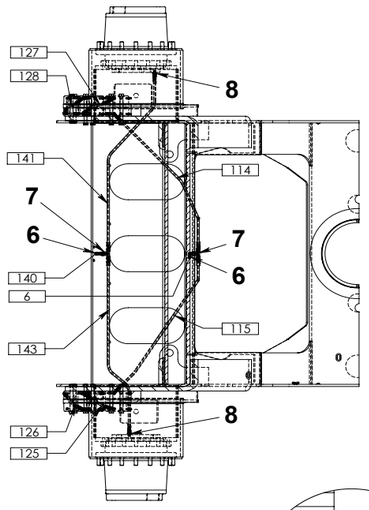

| ITEM # | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 220263-03 | MANIFOLD * DIFF-LOCK BODY | 1 |
| 2 | 83457-04 | FIT ~ 12 JIC M x 12 SAE MALE STR | 1 |
| 3 | 83735-04 | FIT * ADAPTER 6 JIC - 6 SAE MALE | 2 |
| 4 | 91660 | FIT * ELBOW 16 JIC - 16 SAE 90 DEG. | 1 |
| 5 | 91664-04 | FIT ~ ELBOW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

# ASSEMBLY- BRAKE CIRCUIT HYDRAULICS
# ( 242502-01 )

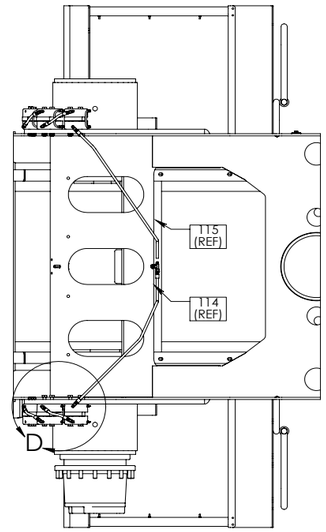
| ITEM# | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 242296-03 | ASSY-MANIFOLD-HAND PUMP/PILOT VALVS | 1 |
| 2 | 123860 | BRAKE * DISC CALIPER W/TUBE | 6 |
| 3 | 129634-03 | DETAIL-BRAKE CALIPER SPACER BLOCK | 6 |
| 4 | 84560-04 | FIT ~ ELBOW 4 JIC -1/8 NPT 90 MALE | 22 |
| 5 | 84385-04 | 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 |



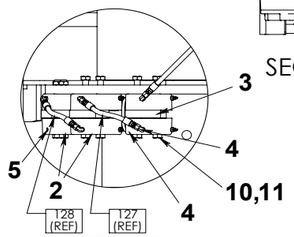

SECTION A-A



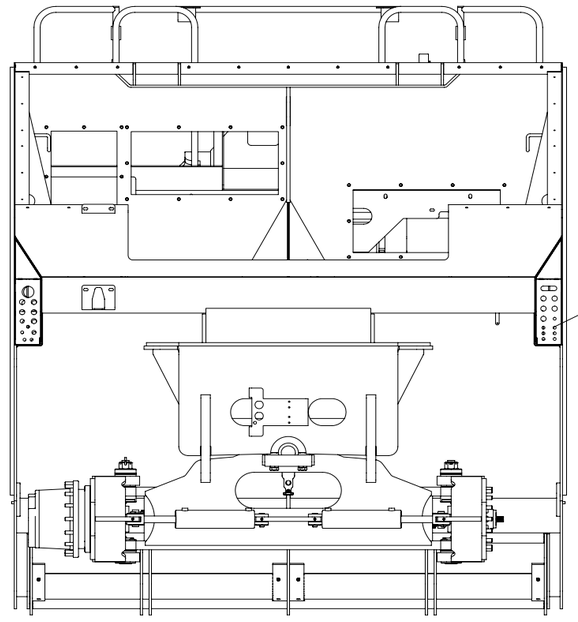

SECTION B-B

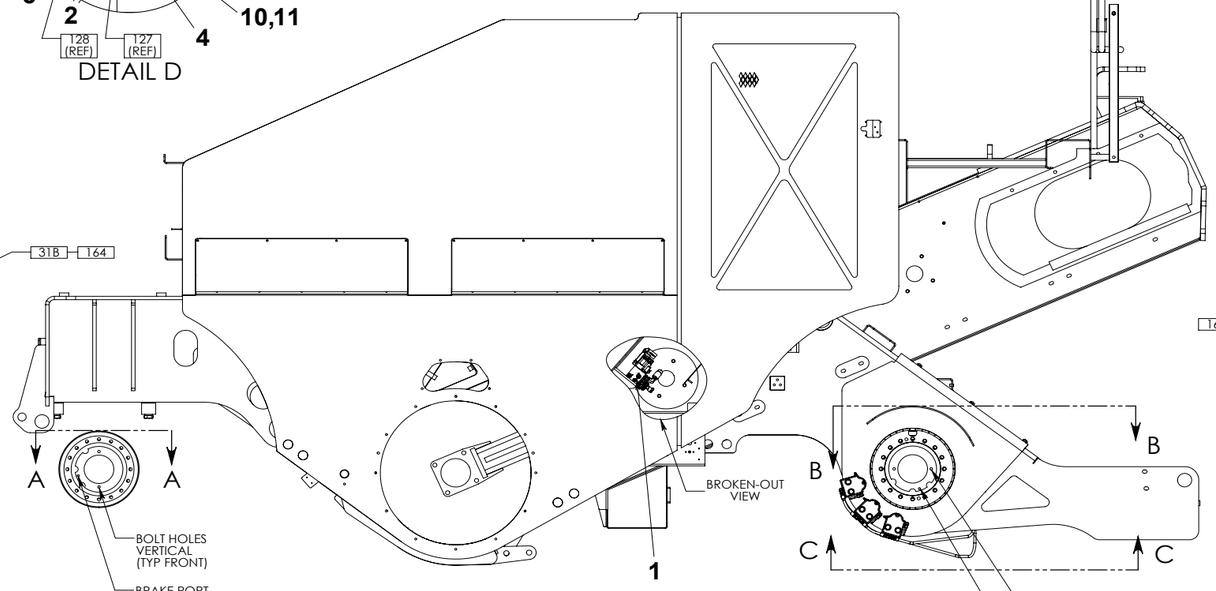



SECTION C-C




DETAIL D

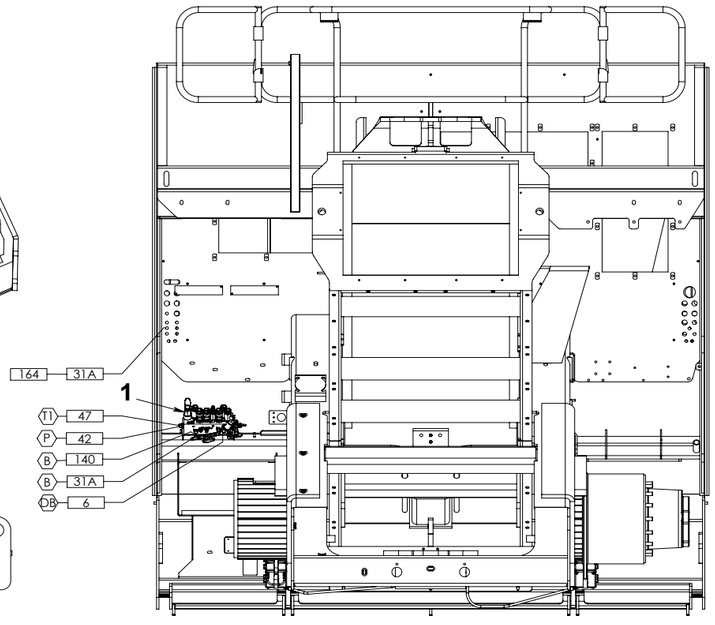






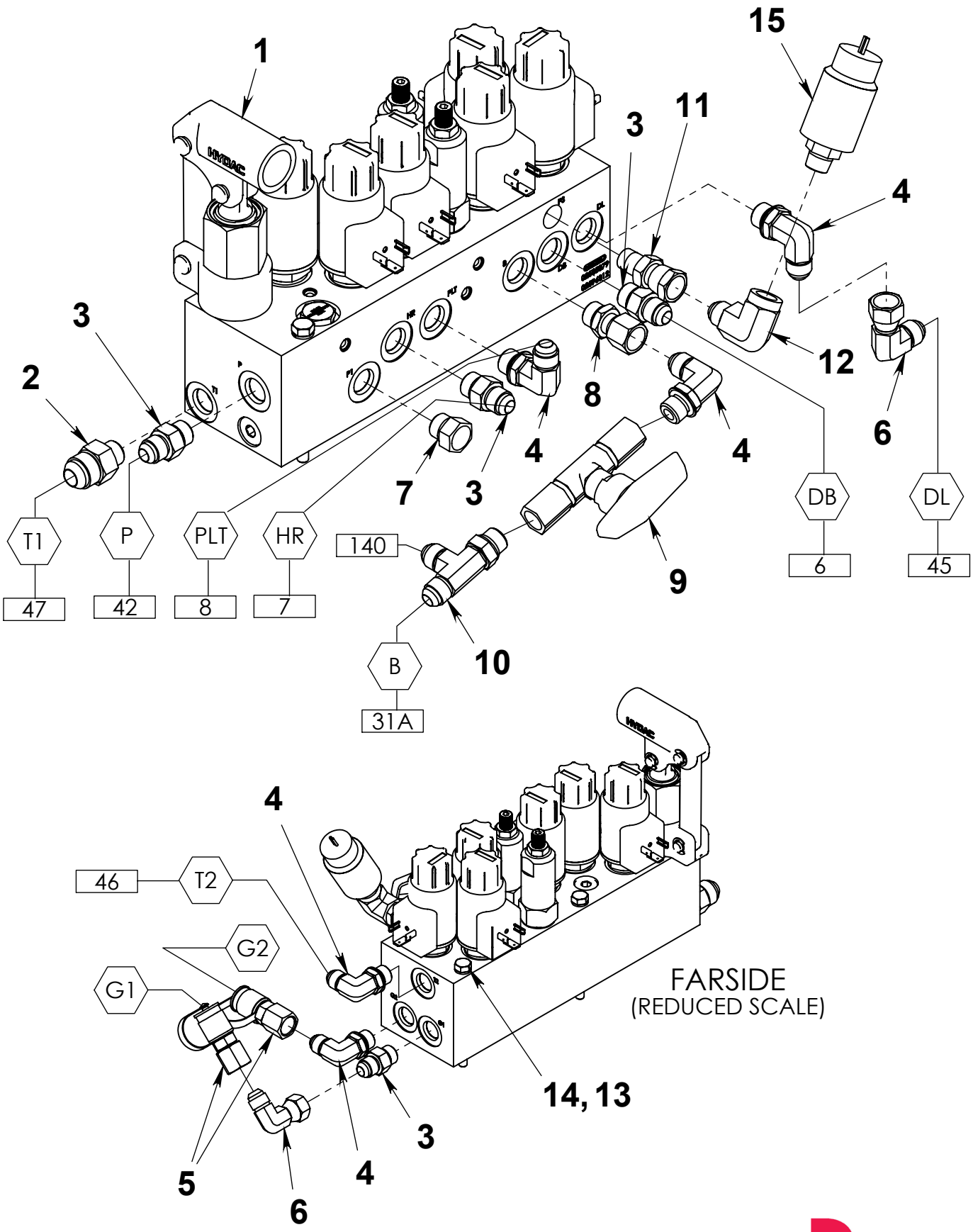
LEFT SIDE DRIVES
REMOVED FOR CLARITY






ROADTEC
an Astec Industries Company

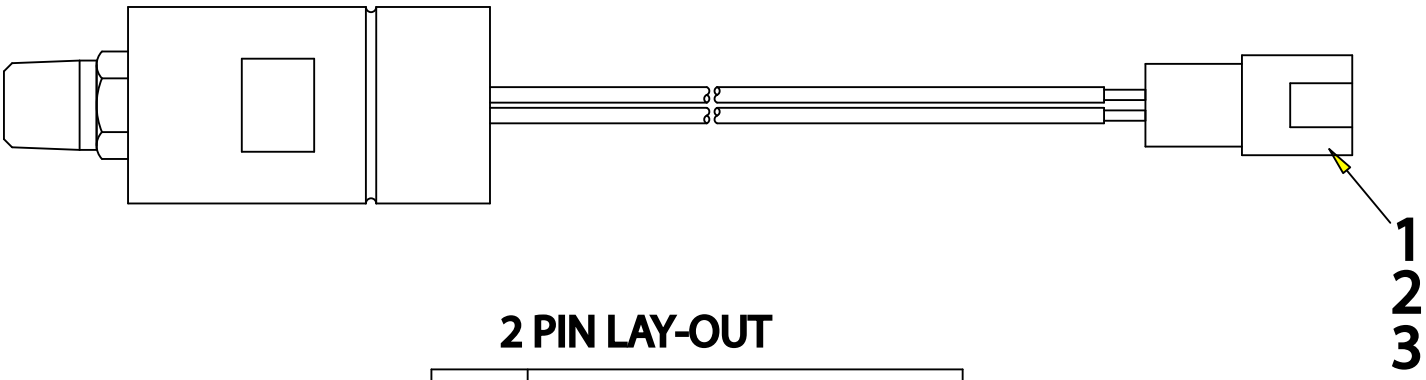
# ASSY, MANIFOLD HAND PUMP/PILOT VALVES
# ( 242296-03 )



# 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 )



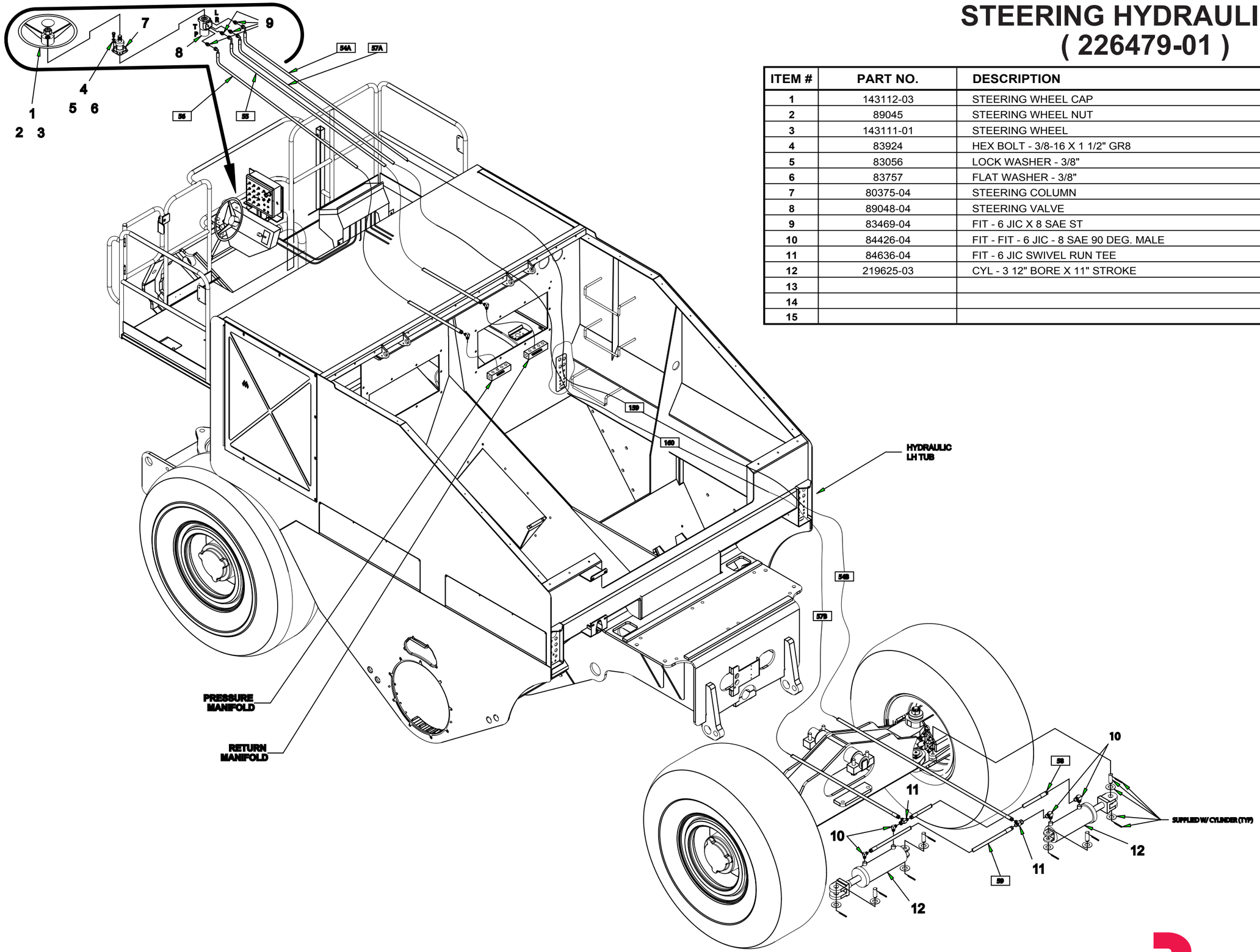

## 2 PIN LAY-OUT

| PIN | COLOR |
|---|---|
| 1 | BLACK |
| 2 | BLUE |

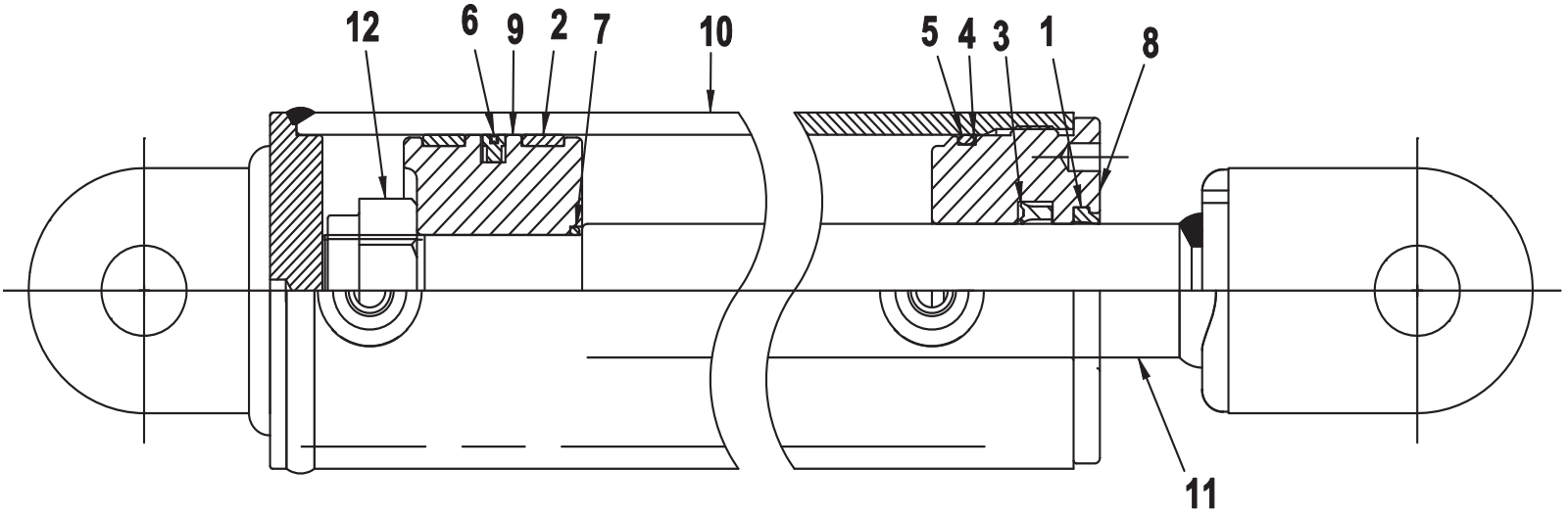
| ITEM | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 144981-04 | SWITCH~ PRESSURE SP/ST 50 PSI | 1 |
| 2 | 206398-04 | DEUTSCH 2 PIN RECEPTACLE | 1 |
| 3 | 206401-04 | SECONDARY LOCK | 1 |
| 4 | 137176-04 | DEUTSCH 16 AWG PIN | 2 |

# 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 | | | |



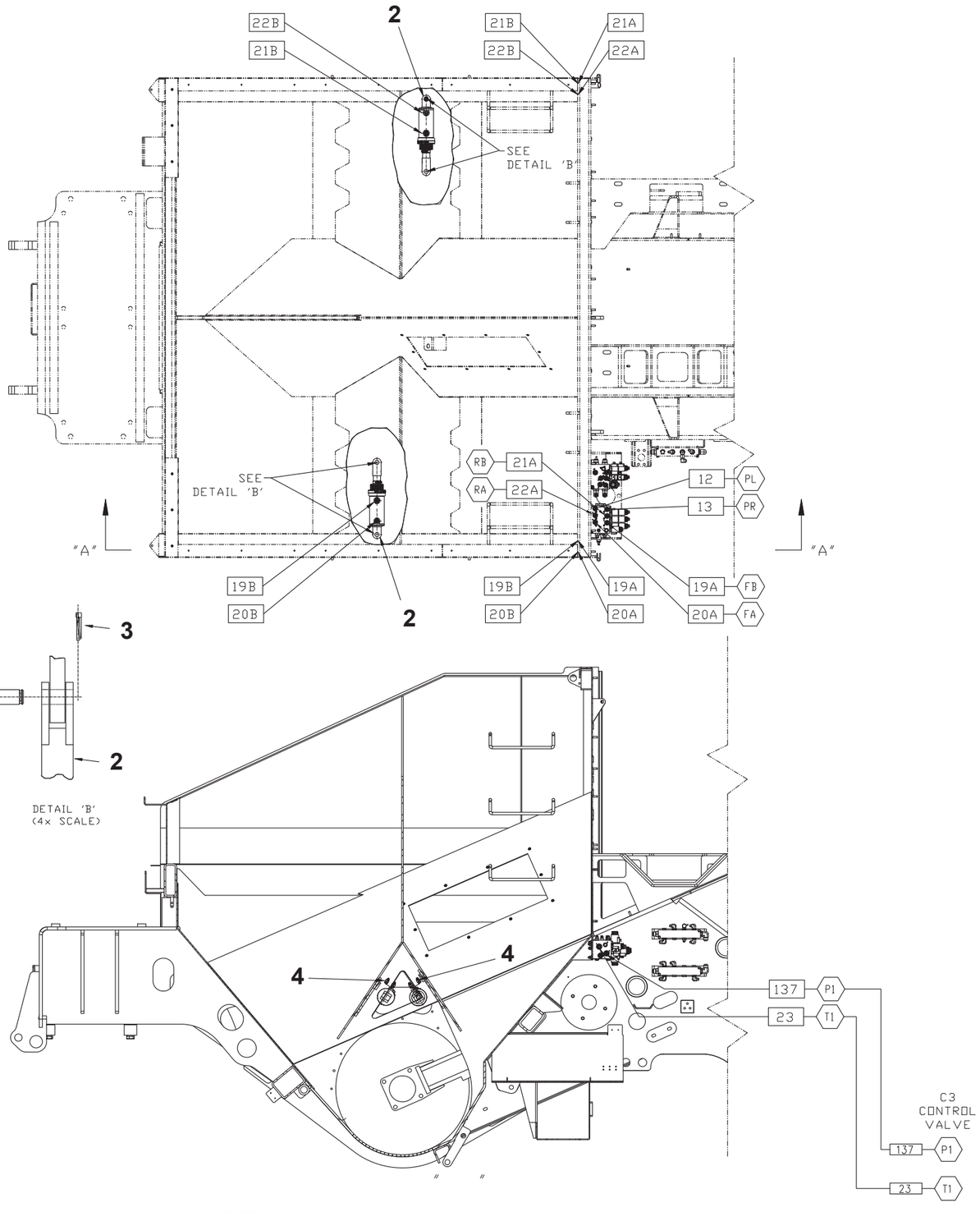
# CYLINDER, STEERING
# ( 219625-03 )

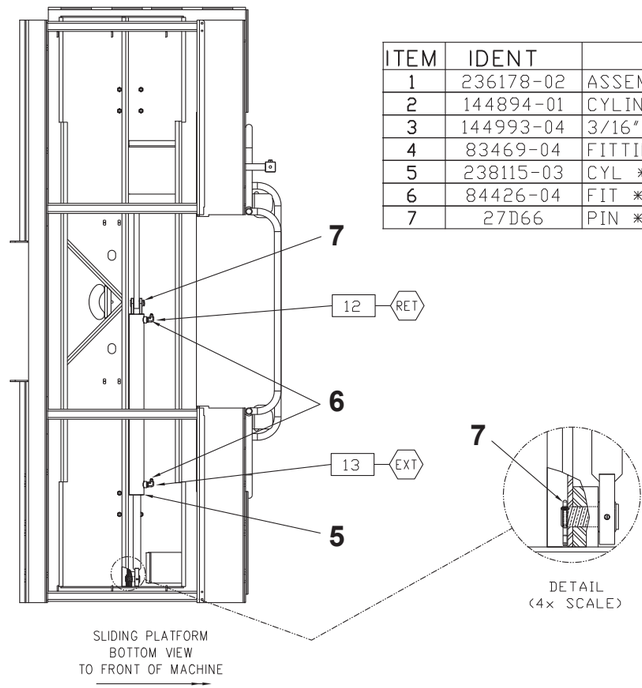


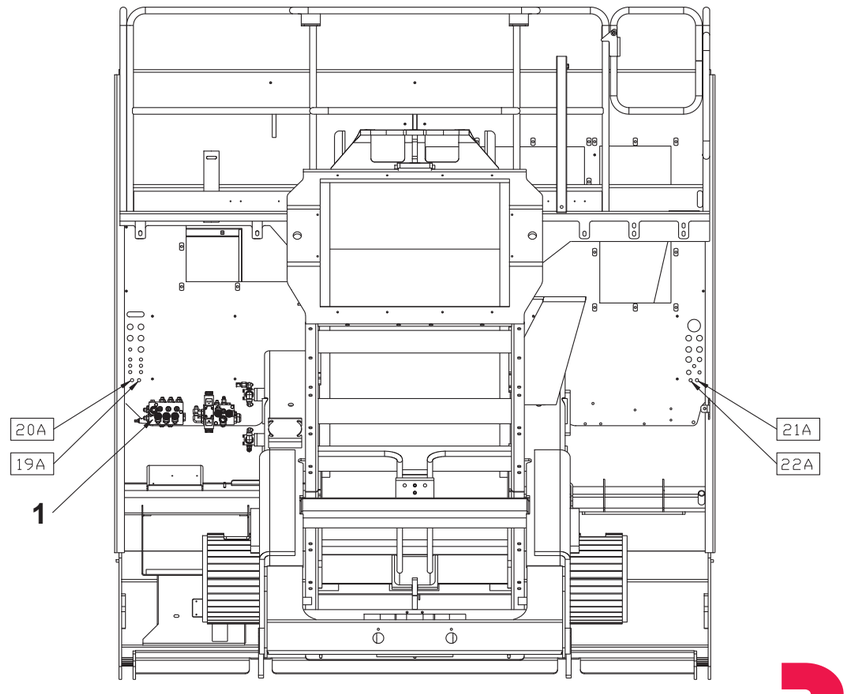

| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 219625-03-C9 | POLY PAK | 1 |
| 2 | 219625-03-C10 | WIPER | 1 |
| 3 | 219625-03-C11 | O-RING | 1 |
| 4 | 219625-03-C12 | FLAT WASHER | 4 |
| 5 | 219625-03-C13 | BACK-UP | 1 |
| 6 | 219625-03-C14 | WEAR BAND | 2 |
| 7 | 219625-03-C15 | 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 |



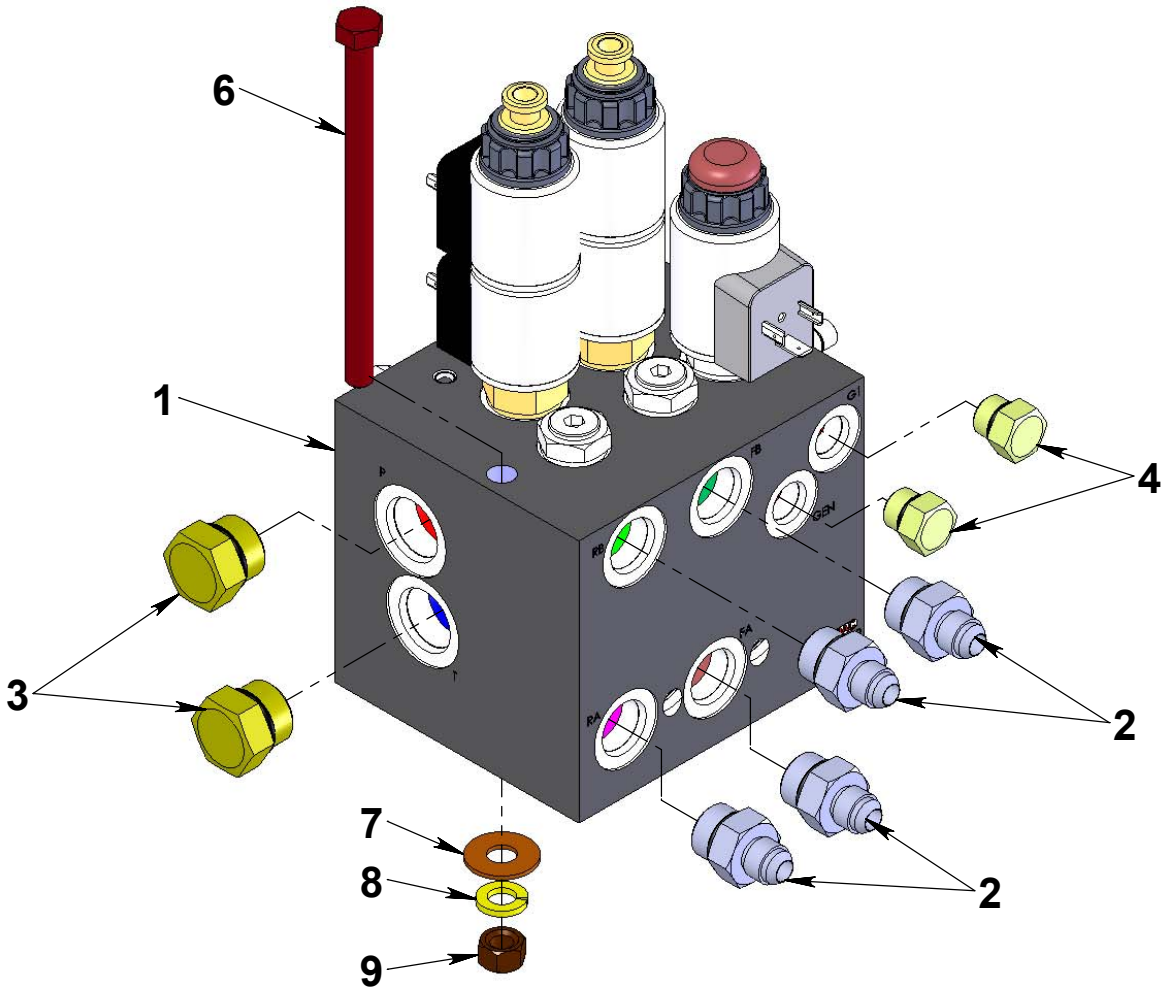






ROADTEC
an Astec Industries Company

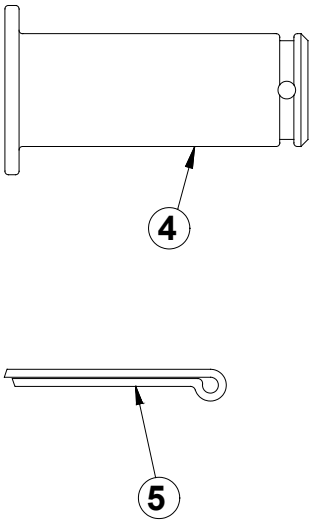
# ASSEMBLY-FLOWGATE CONTROL MANIFOLD (236178-02)

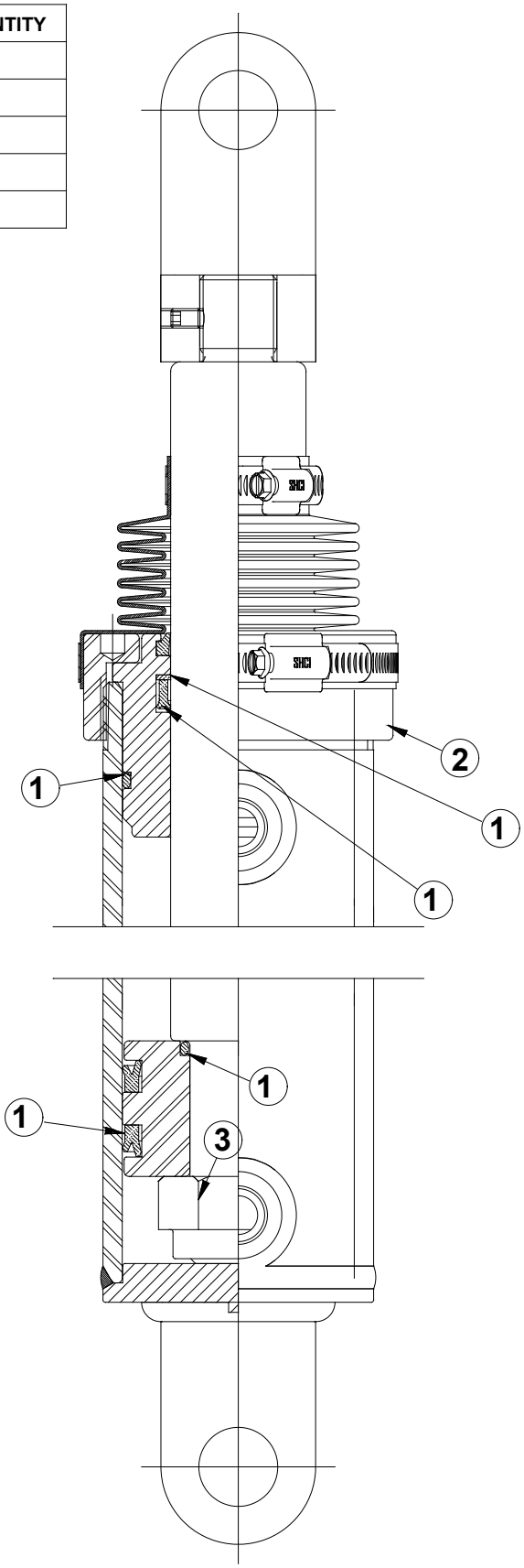



| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 235754-01 | MANIFOLD * FLOW GATES/ GEN 24V | 1 |
| 2 | 83469-04 | FIT ~ CONNECTOR 6 JIC - 8 SAE MALE | 4 |
| 3 | 89788-04 | FIT ~ PLUG 10 SAE STEEL | 2 |
| 4 | 84635-04 | FIT * PLUG 6 SAE | 2 |
| 5 | 83704-04 | FIT ~ CONNECTOR 8 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 )

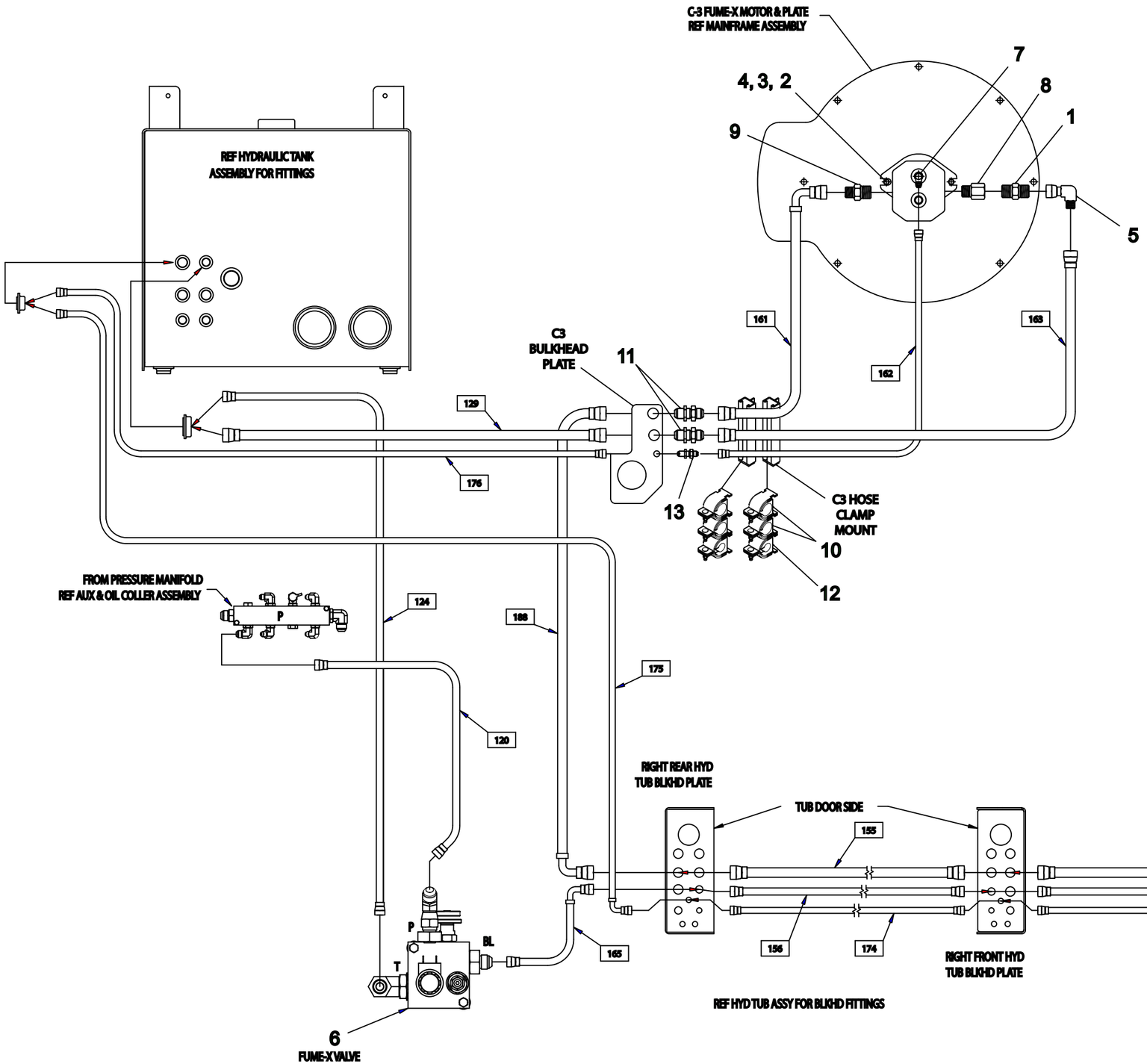
| ITEM | ROADTEC PART NO. | DESCRIPTION | QUANTITY |
|---|---|---|---|
| 1 | 144894-01-C1 | SEAL KIT | 1 |
| 2 | 125383-04-C2 | HEADCAP | 1 |
| 3 | 144894-01-C2 | 1-1/4" LOCK NUT | 1 |
| 4 | 144894-01-C3 | CLEVIS PIN | 2 |
| 5 | 144993-04 | COTTER PIN | 2 |

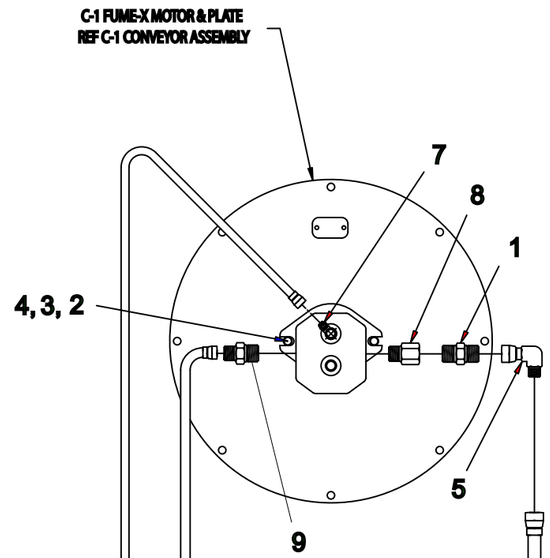


# FUME CONTROL HYDRAULICS
# ( 236280-02 )

| 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 | | | |

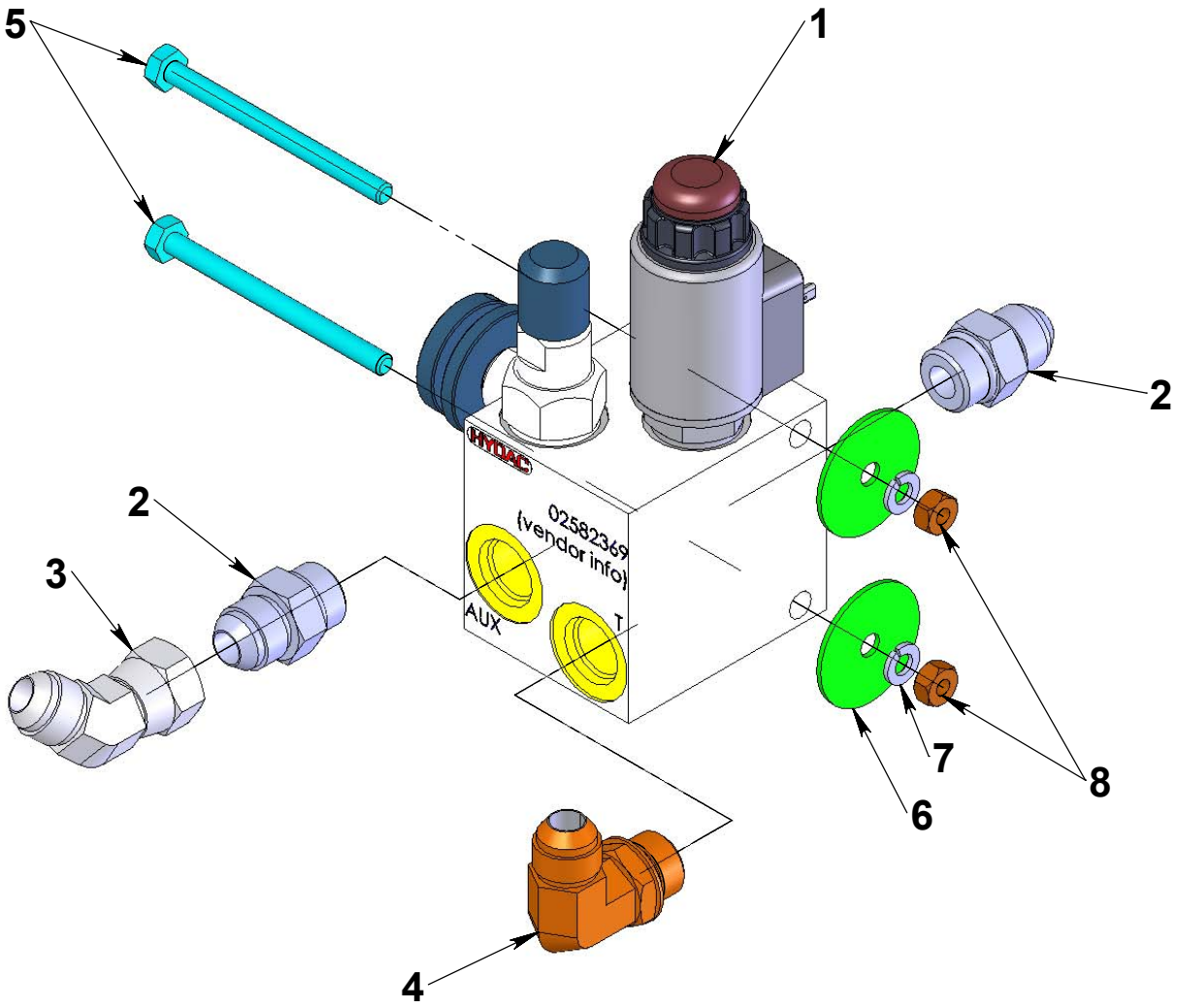




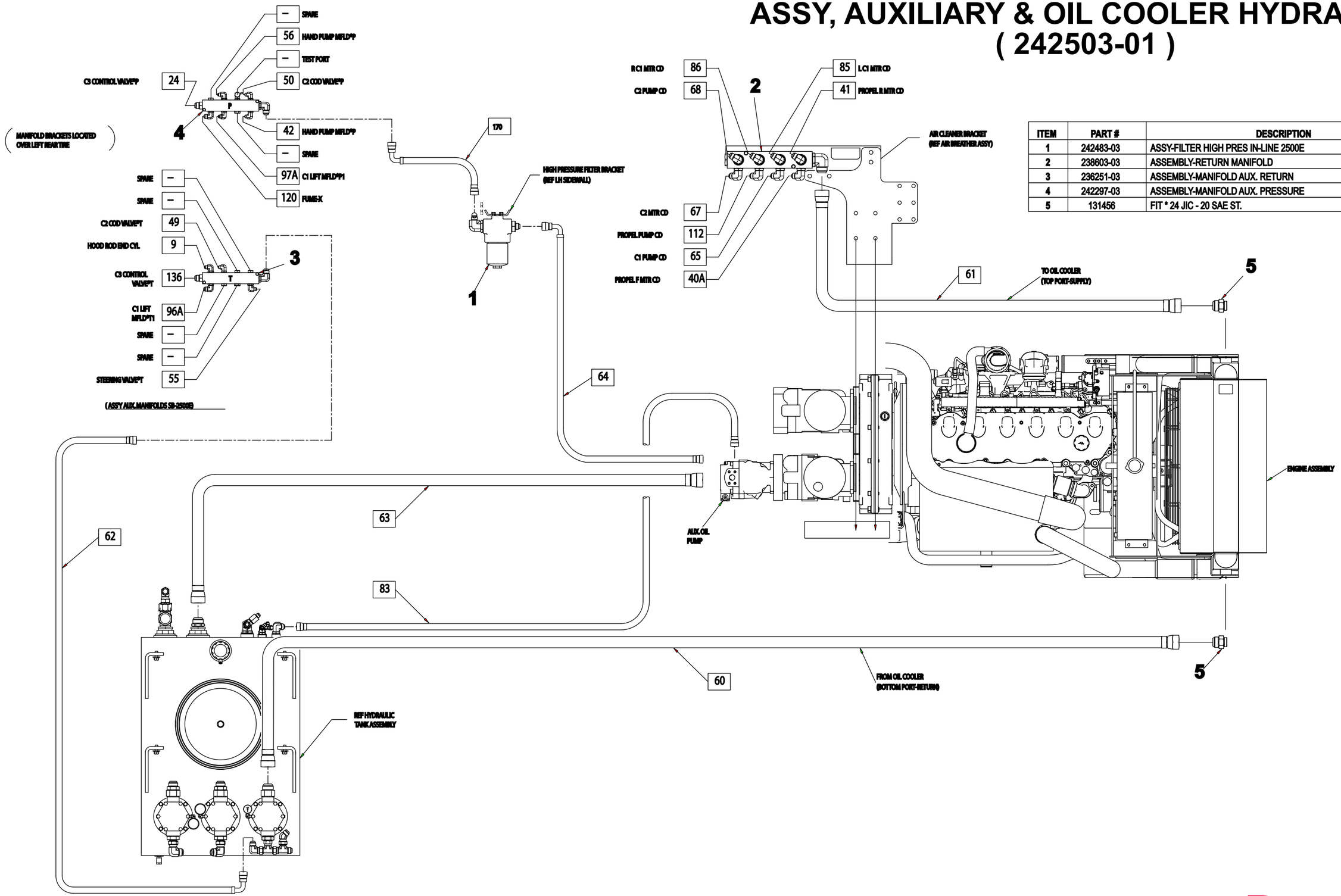

ROADTEC
an Astec Industries Company

# 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 )

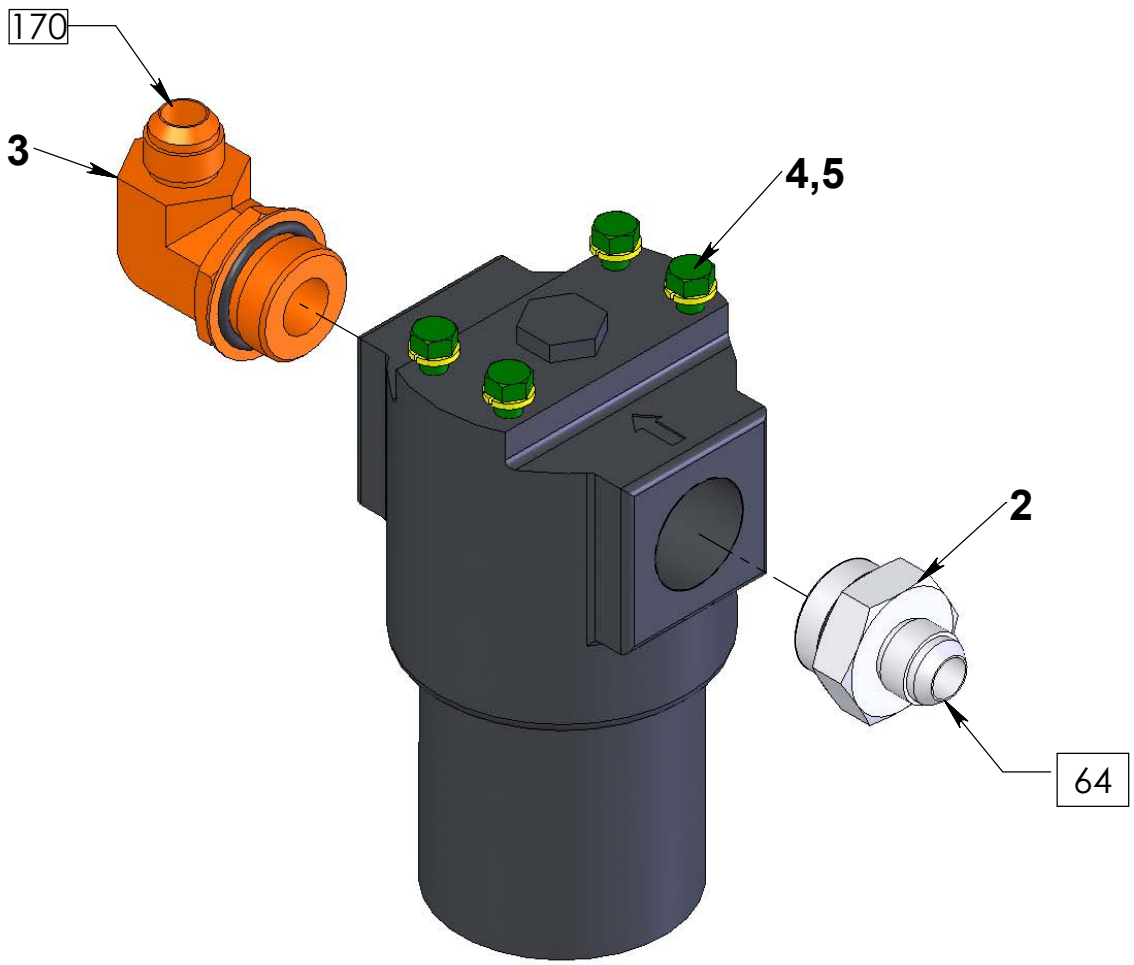



| ITEM | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 242483-03 | ASSY-FILTER HIGH PRES IN-LINE 2500E | 1 |
| 2 | 238603-03 | ASSEMBLY-RETURN MANIFOLD | 1 |
| 3 | 236251-03 | ASSEMBLY-MANIFOLD AUX. RETURN | 1 |
| 4 | 242297-03 | ASSEMBLY-MANIFOLD AUX. PRESSURE | 1 |
| 5 | 131456 | FIT * 24 JIC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



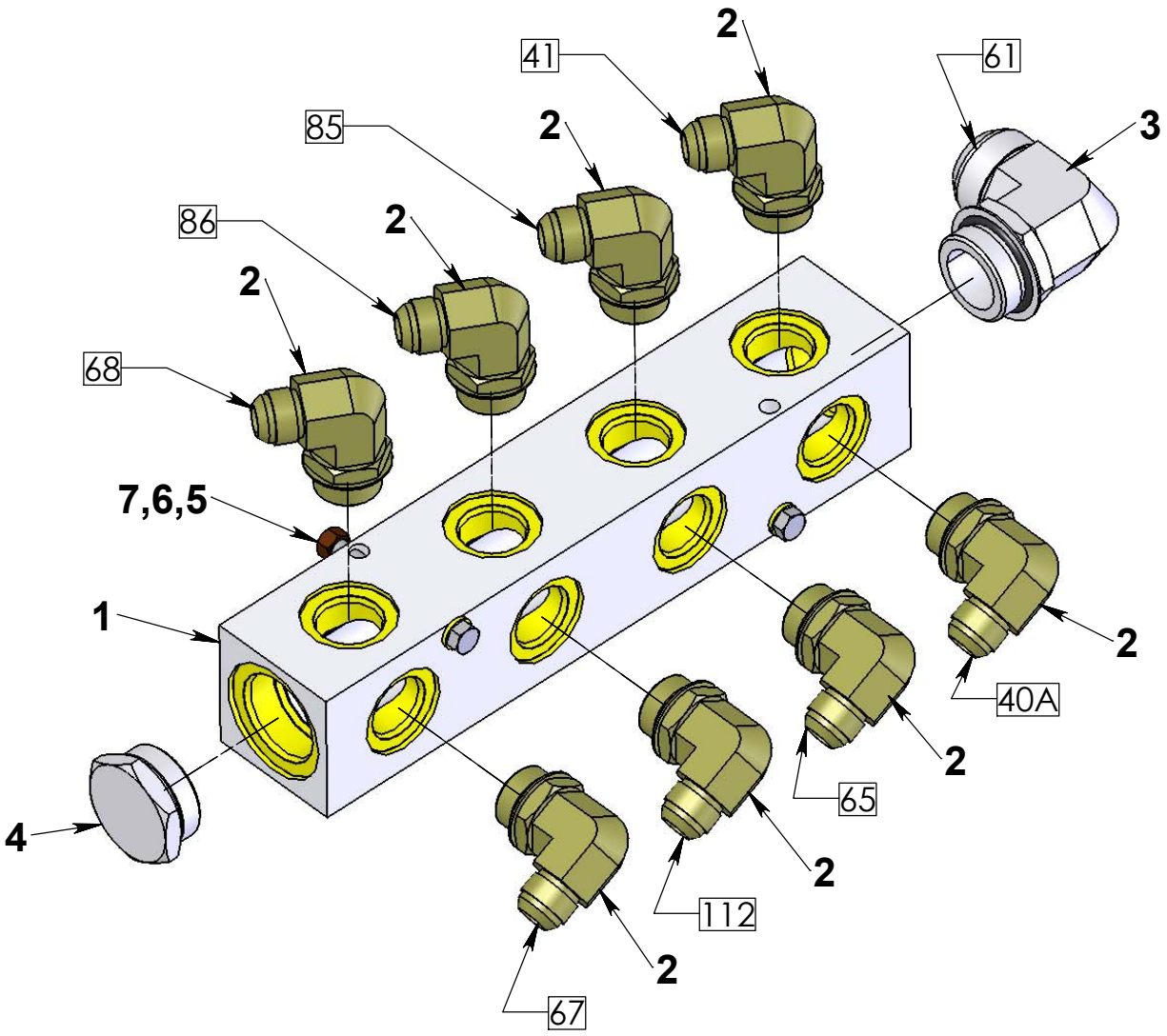
ROADTEC an Astec Industries Company

# 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 |

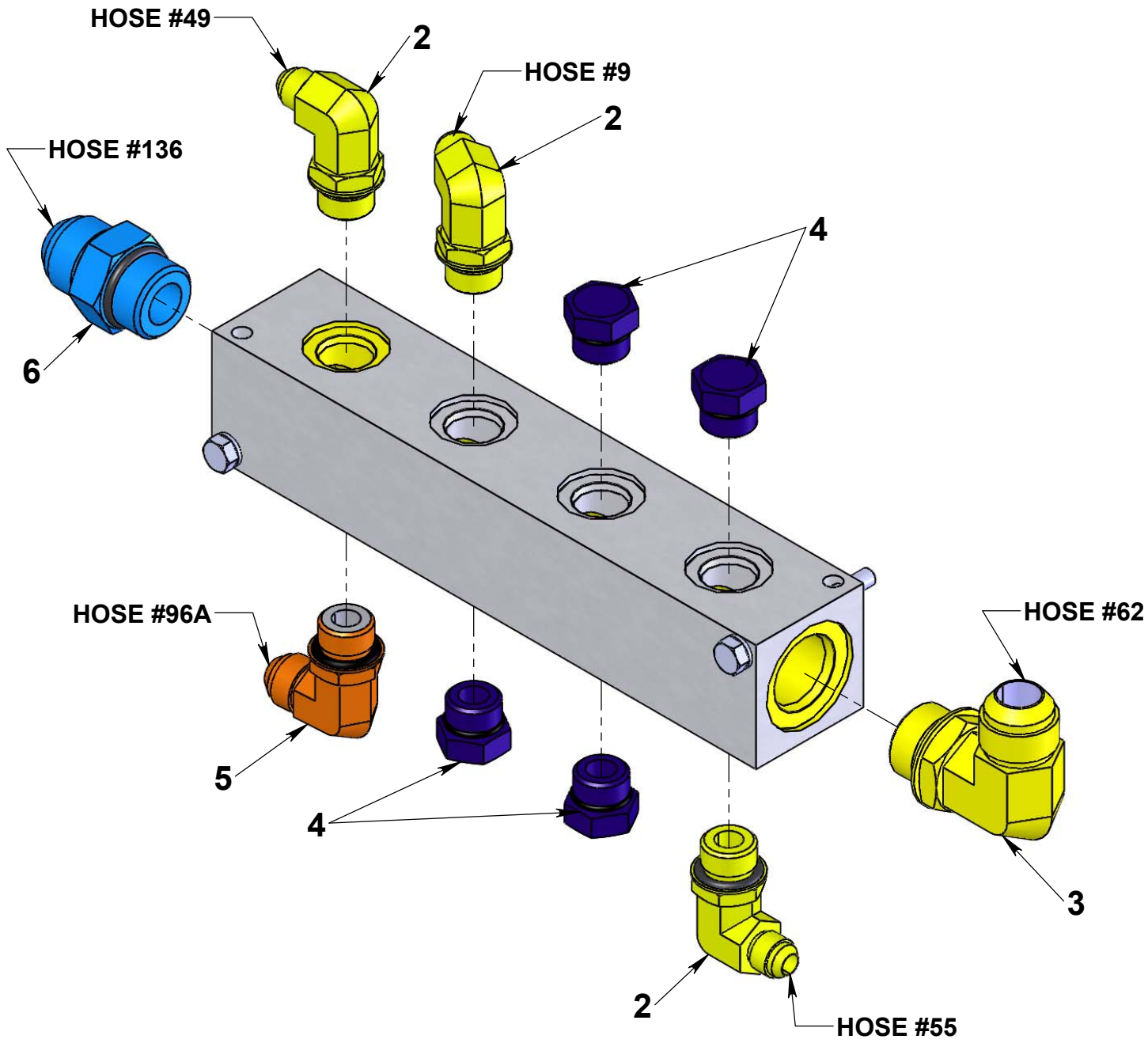
# ASSEMBLY-RETURN MANIFOLD
# (238603-03)




XX **HOSE NUMBER**

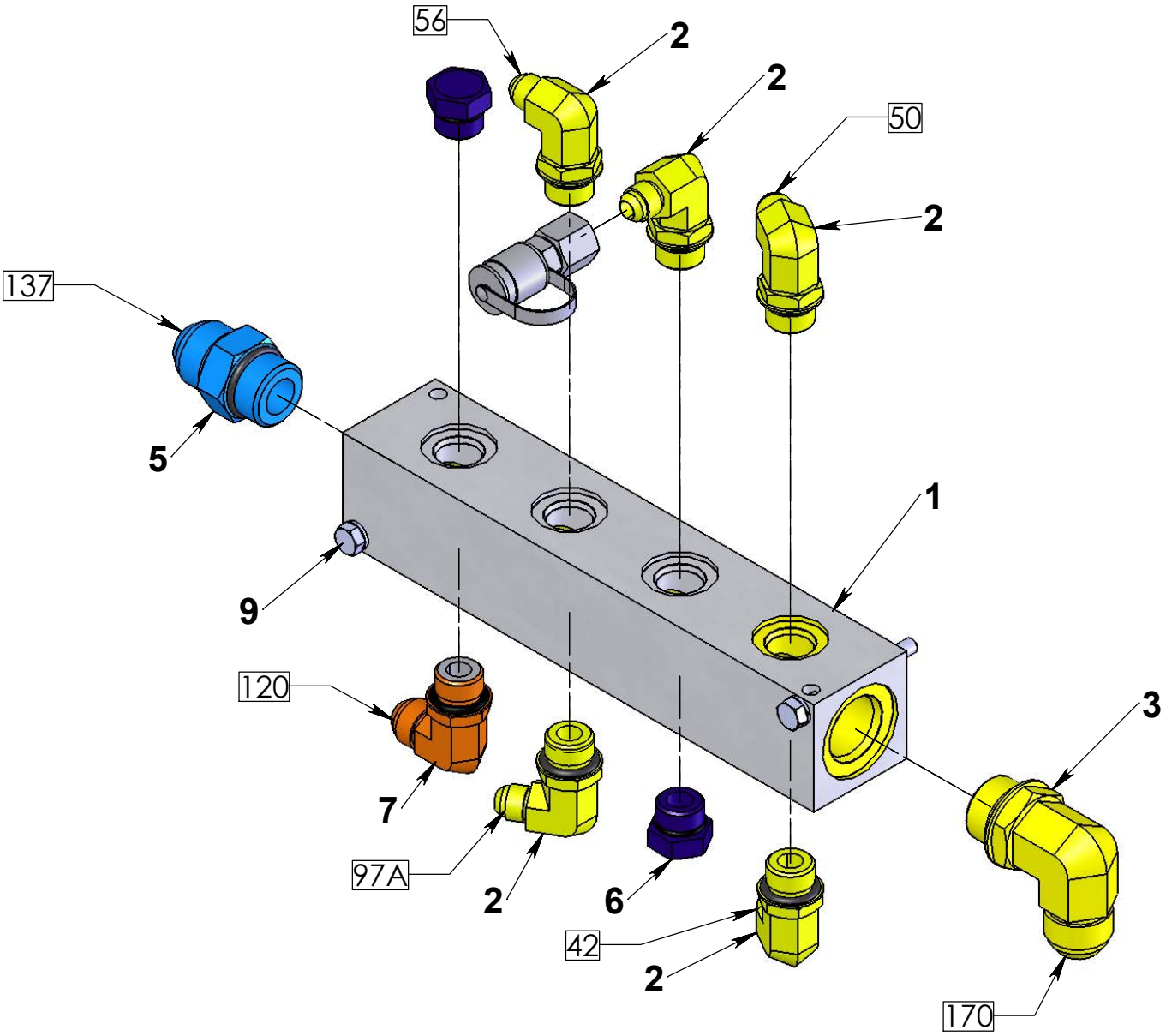
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 238594-03 | MANIFOLD *90° HEADER (16 SAE PORTS) | 1 |
| 2 | 85875-04 | FIT * ELBOW 12 JIC M - 16 SAE 90 | 8 |
| 3 | 130099 | FITTING * 24 JIC - 24 SAE 90 ELBOW | 1 |
| 4 | 201954 | FITTG * 24 SAE PLUG | 1 |
| 5 | 12D09 | BOLT * 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 |

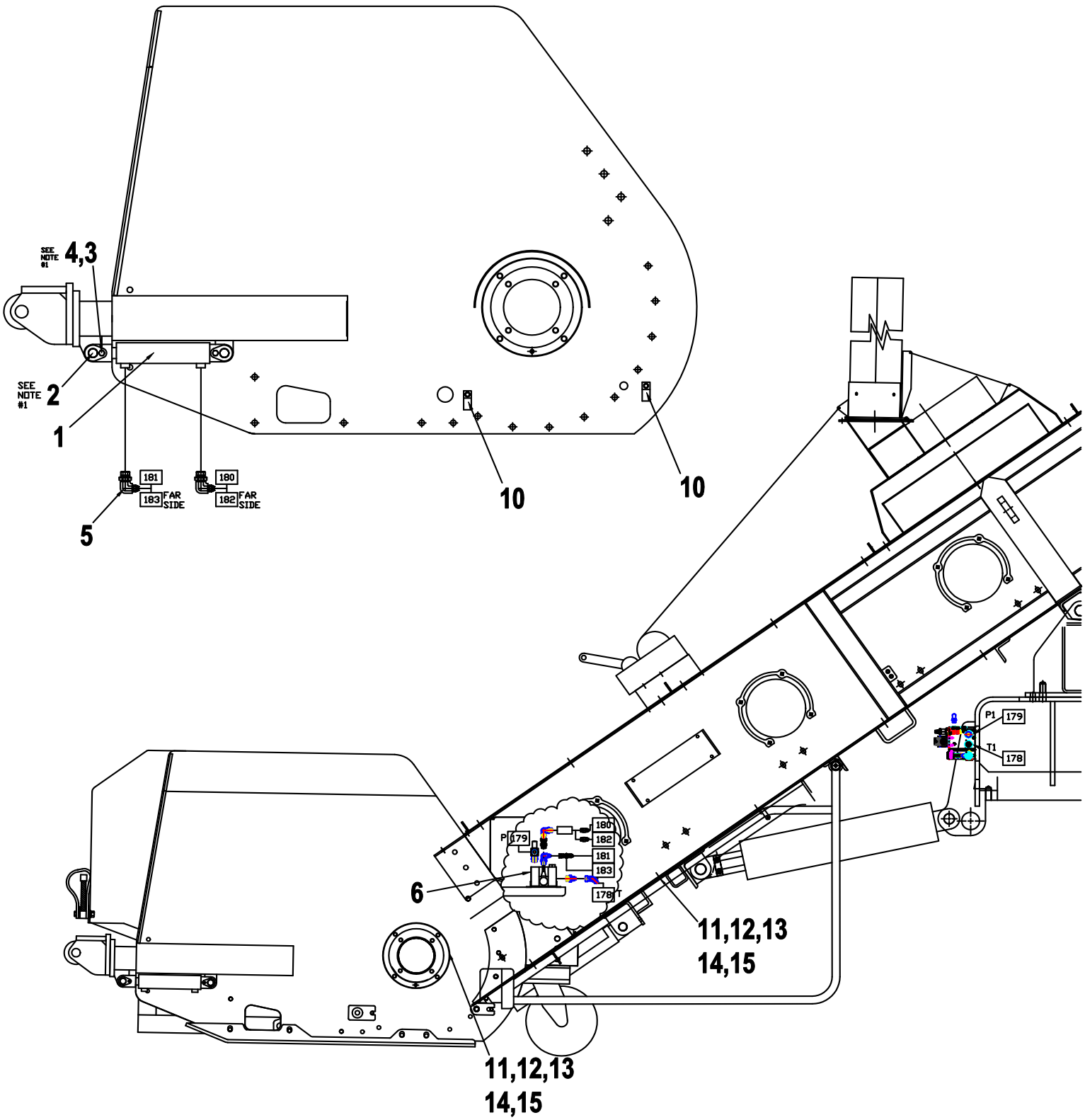
# ASSEMBLY-MANIFOLD AUX. PRESSURE (242297-03)




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 |

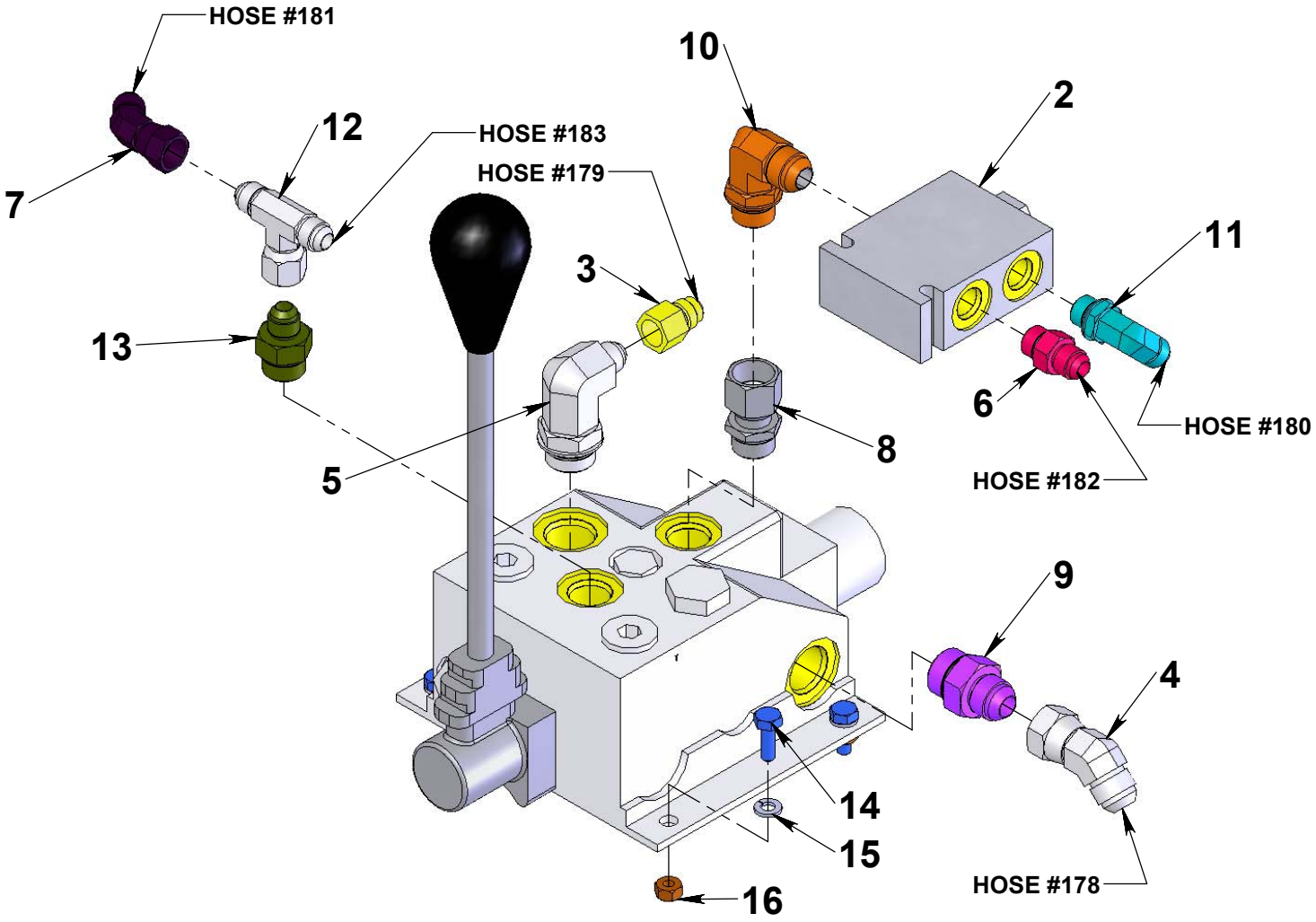
# PUSH ROLLER HYDRAULICS
# ( 209080-01 )



# PUSH ROLLER HYDRAULICS
# ( 209080-01 )

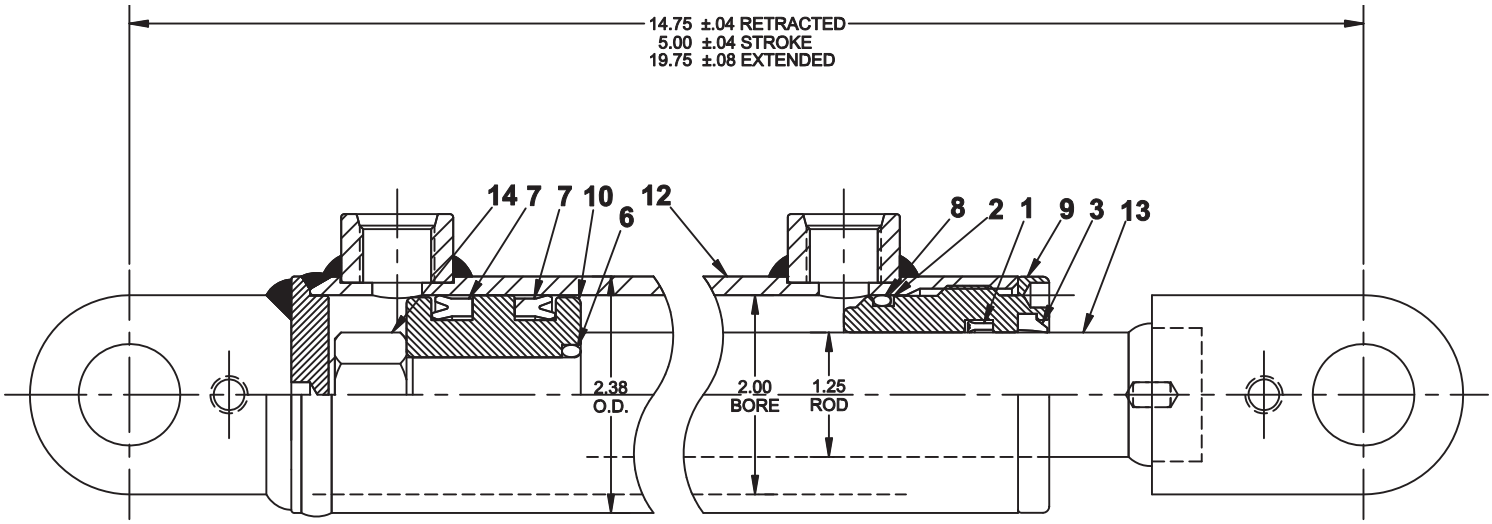
| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 147955-03 | CYLINDER - 2.00 BORE X 5.00 STROKE | 2 |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | 84426-04 | FIT - ELBOW 90 DEG - 8 SAE X 6 JIC MALE | 4 |
| 6 | 209079-02 | PUSH ROLLER MANIFOLD SUB-ASSY. | 1 |
| 7 | | | |
| 8 | | | |
| 9 | 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 | | | |

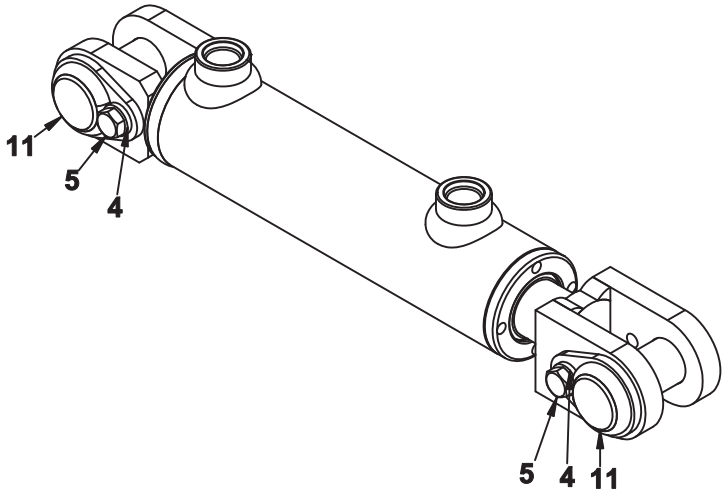
# ASSY-PUSH ROLLER MANIFOLD
# (209079-02)




| 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 )

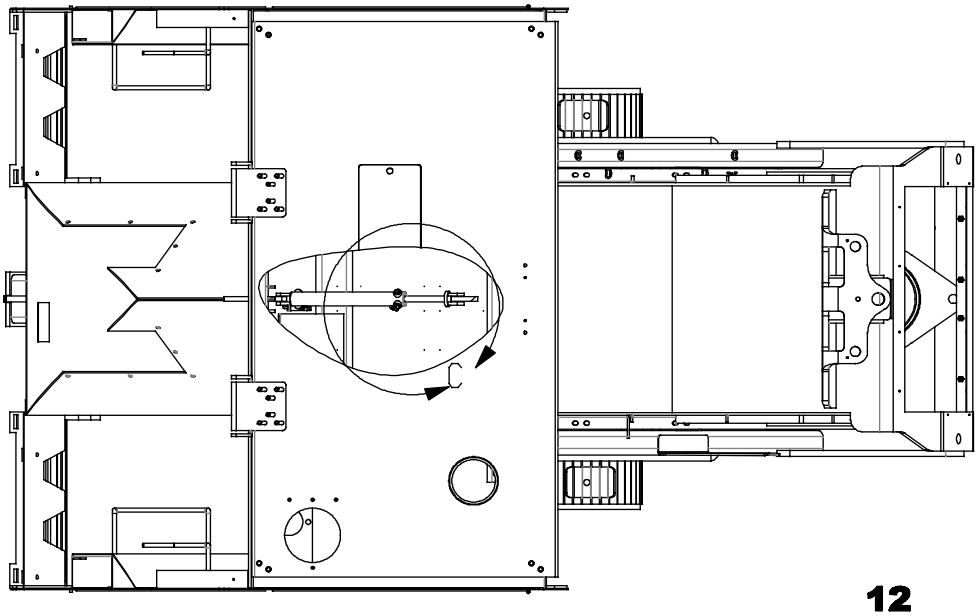


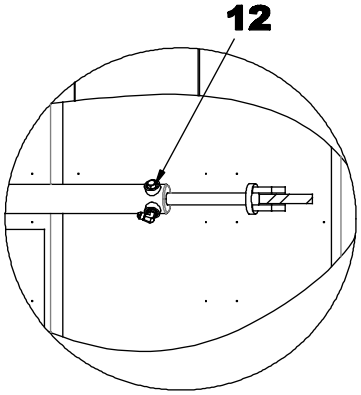




| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 147955-03-C8 | POLY PAK | 1 |
| 2 | 147955-03-C9 | BACK UP | 1 |
| 3 | 147955-03-C10 | WIPER | 1 |
| 4 | 147955-03-C11 | LOCK WASHER | 2 |
| 5 | 147955-03-C12 | HEX BOLT | 2 |
| 6 | 147955-03-C13 | O-RING | 1 |
| 7 | 147955-03-C14 | U-CUP | 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 | |

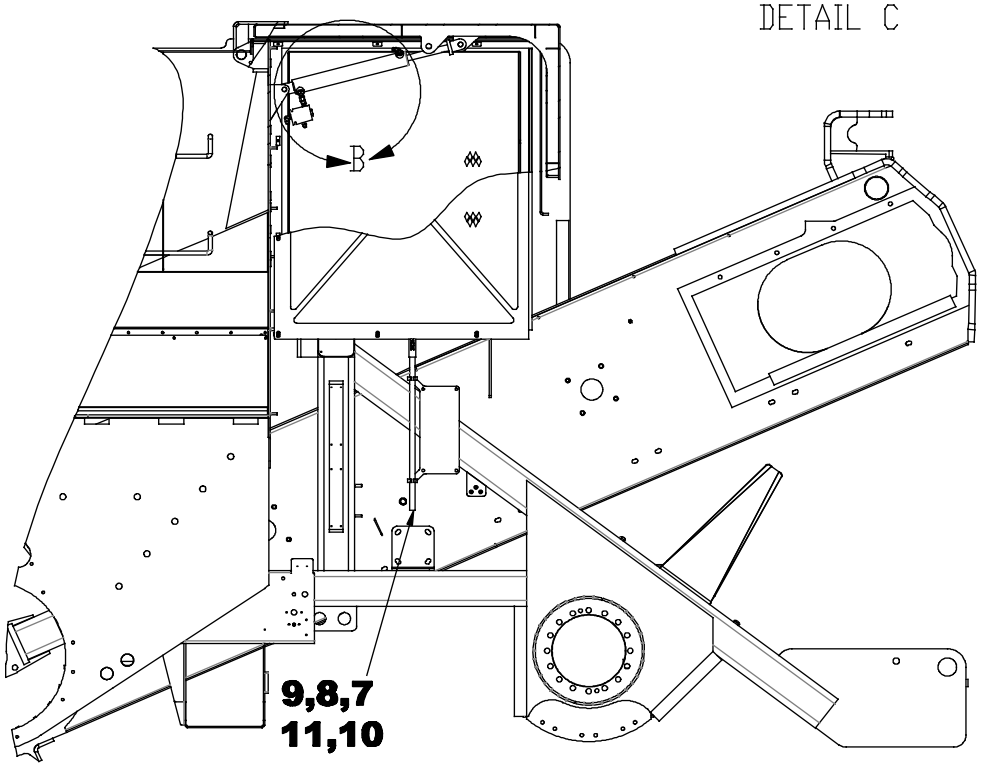
# HOOD RAISE HYDRAULICS
# ( 204266-01 )

NEXT PAGE



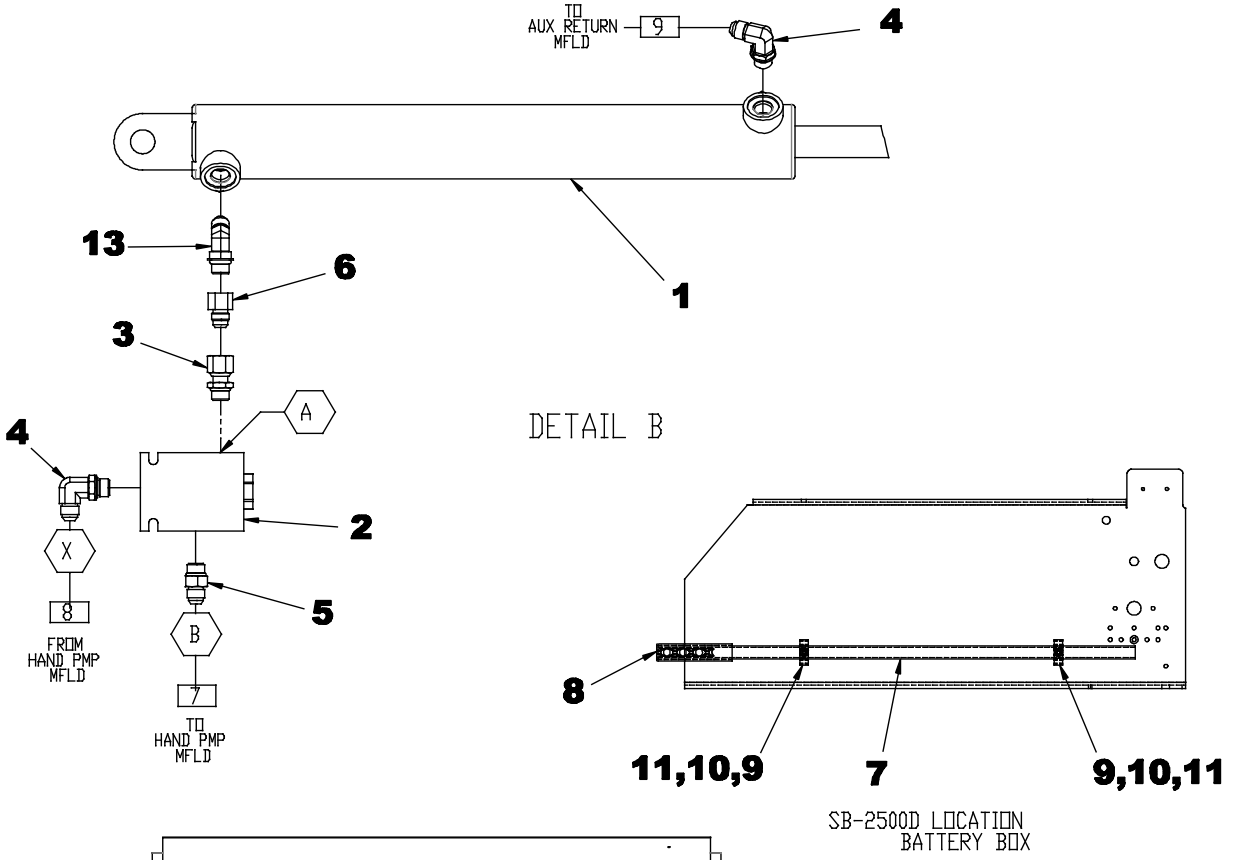



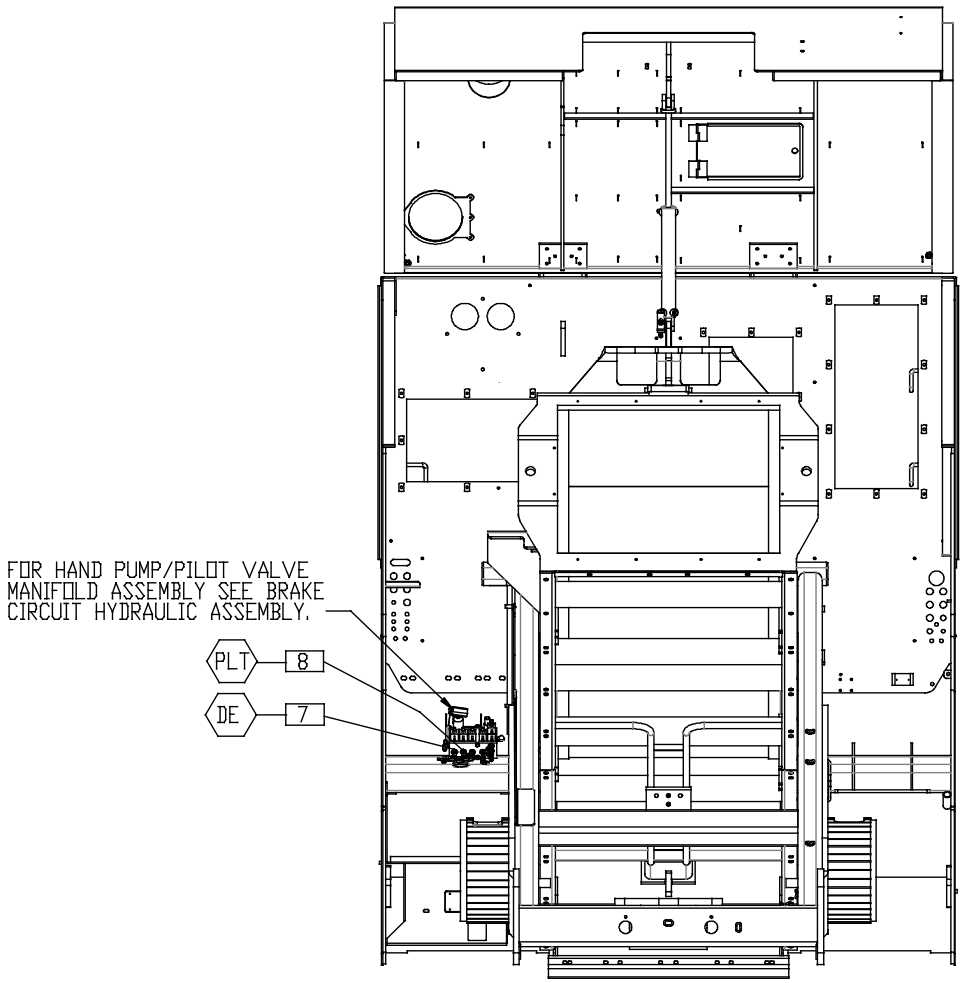

DETAIL C




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

# HOOD RAISE HYDRAULICS
# ( 204266-01 )

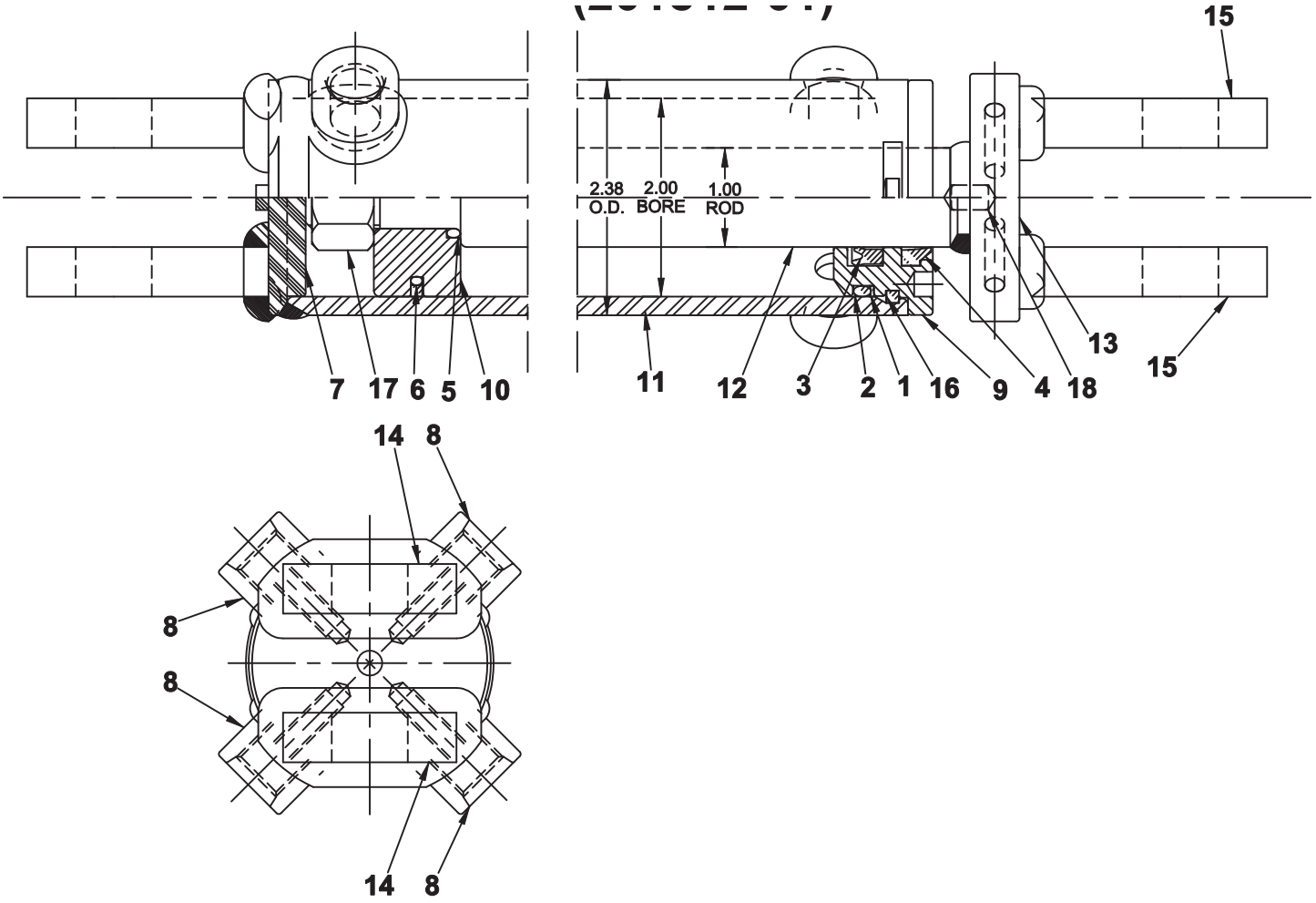


# HOOD RAISE HYDRAULICS
# ( 204266-01 )

| 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 | | | |

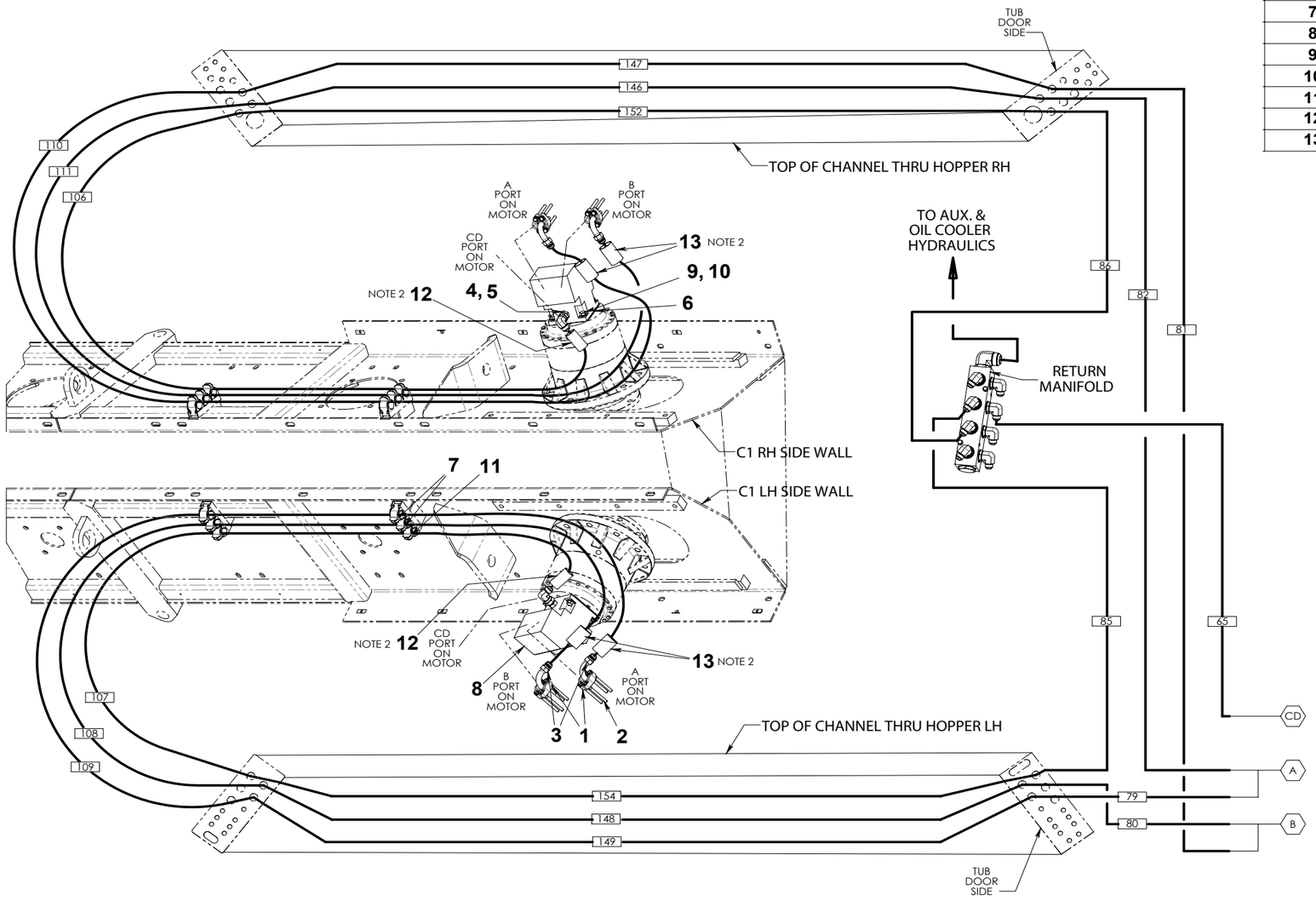
# CYLINDER, HOOD RAISE
# ( 201812-01 )

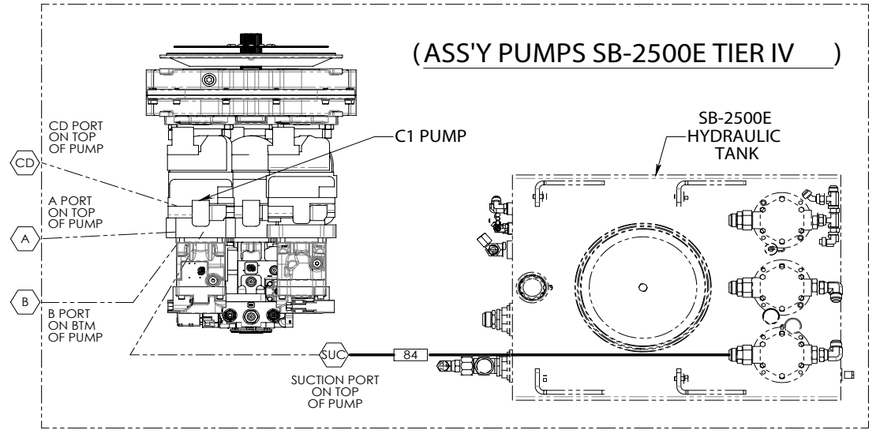


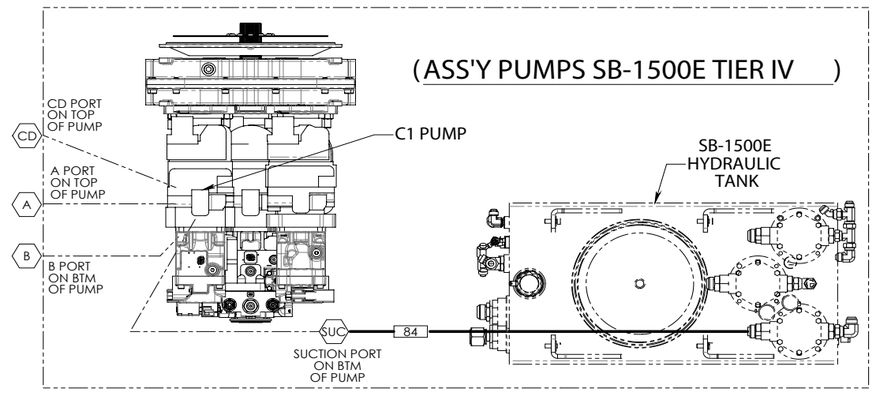

| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 201812-01-C14 | BACK-UP | 1 |
| 2 | 201812-01-C15 | O-RING | 1 |
| 3 | 201812-01-C16 | U-CUP | 1 |
| 4 | 201812-01-C17 | WIPER | 1 |
| 5 | 201812-01-C18 | O-RING | 1 |
| 6 | 201812-01-C19 | PISTON SEAL | 1 |
| 7 | 201812-01-C2 | BASE 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 |



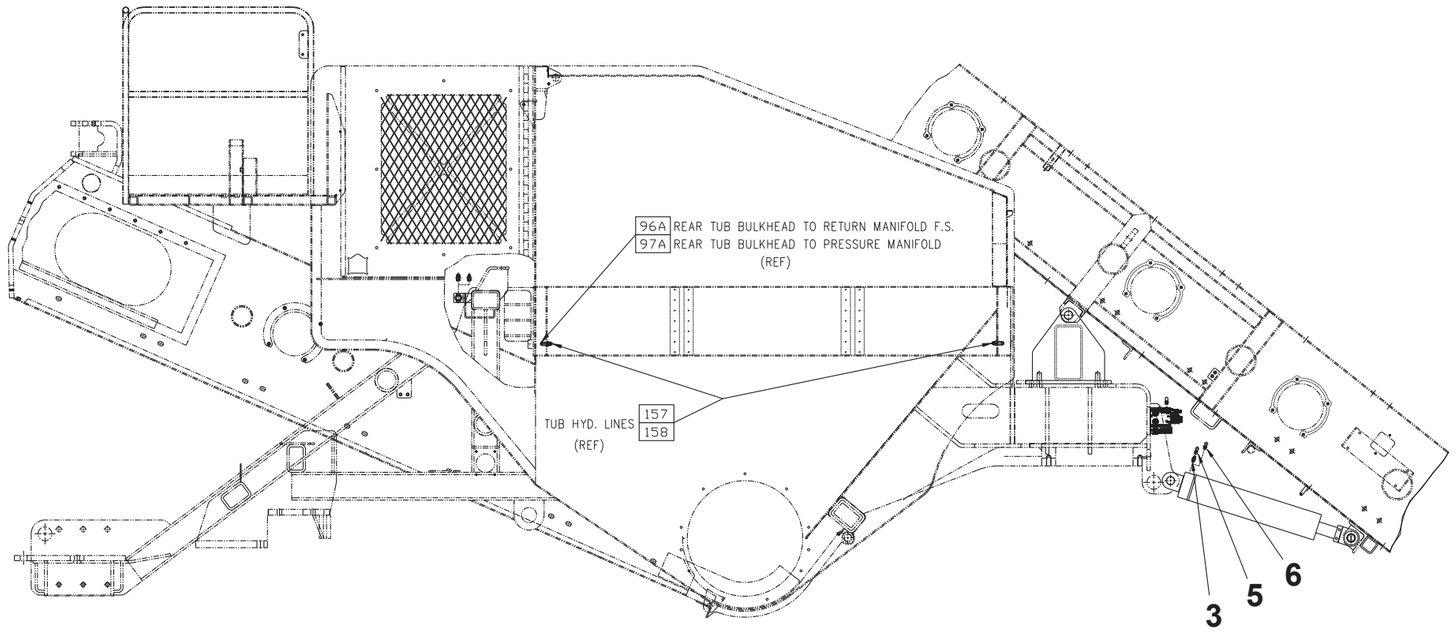



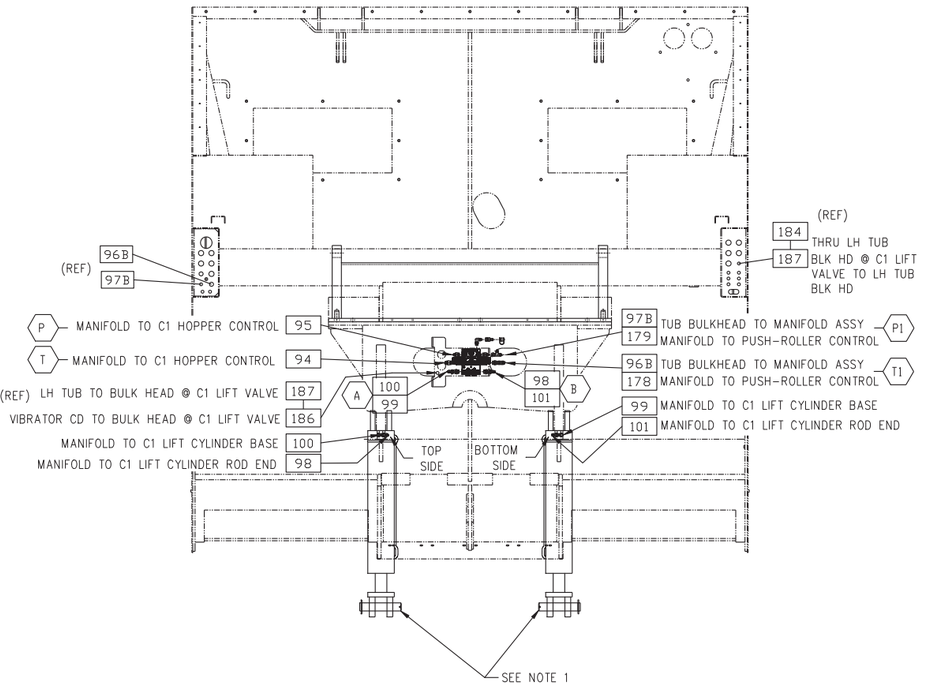


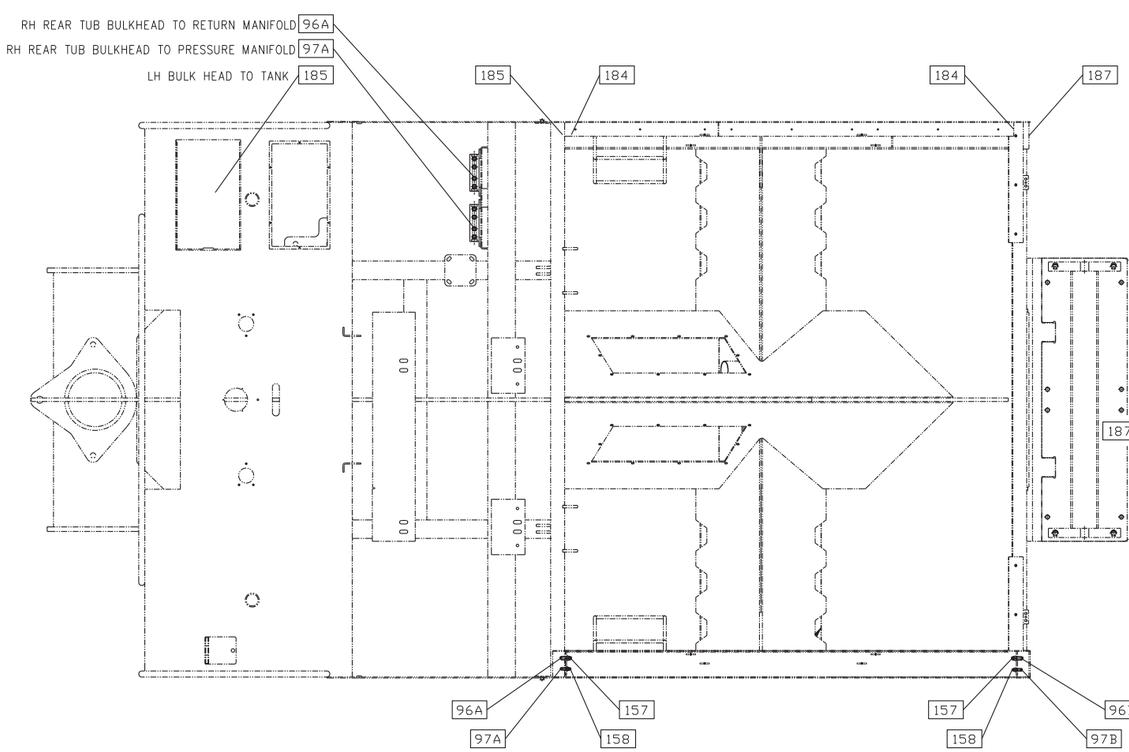

ROADTEC an Astec Industries Company

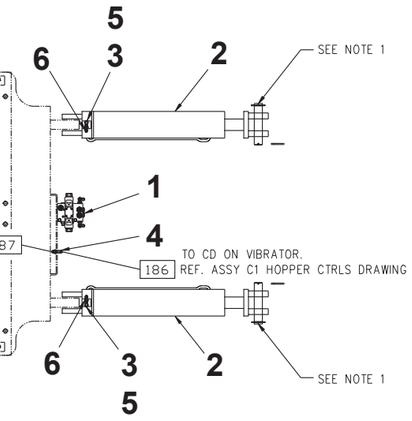
# ASSY - C1 RAISE/LOWER HYDRAULICS
# ( 242501-01 )

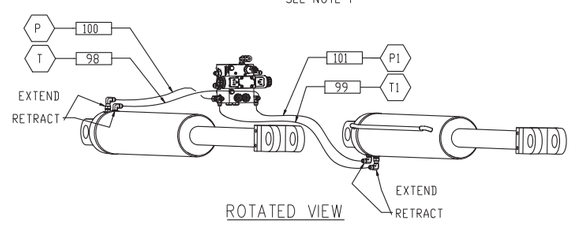
| ITEM | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 242500-03 | ASSY- C1 RAISE/LOWER MANIFOLD | 1 |
| 2 | 207380-01 | CYLINDER- 5" BORE x 22' STROKE | 2 |
| 3 | 83735-04 | FIT- 6 JIC x 6 SAE STRAIGHT | 2 |
| 4 | 83475-04 | FIT- 6 JIC x 6 JIC BULKHEAD | 1 |
| 5 | 83953-04 | FIT - 6 JIC SWIVEL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



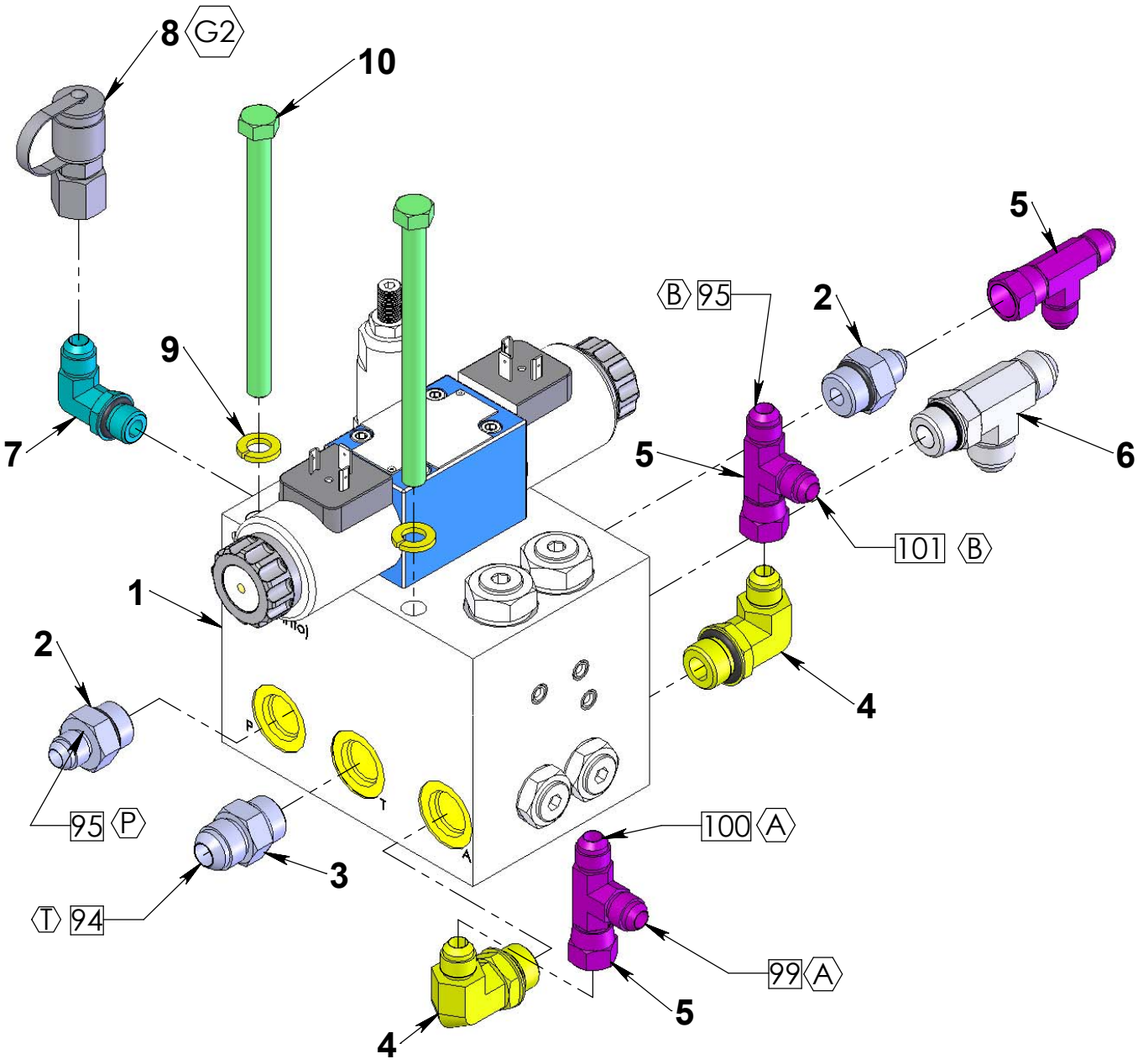





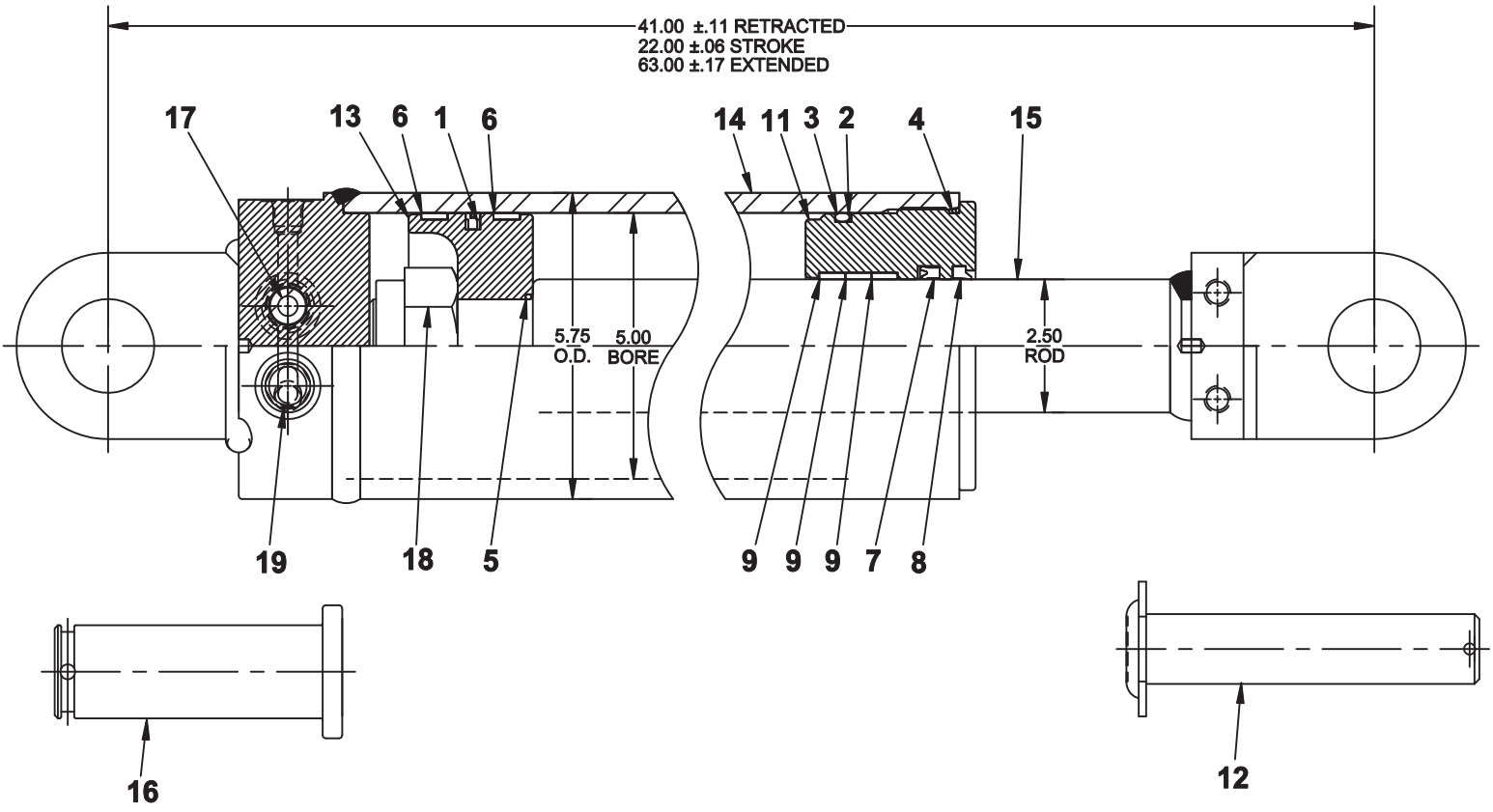

ROADTEC an Astec Industries Company

# 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 |

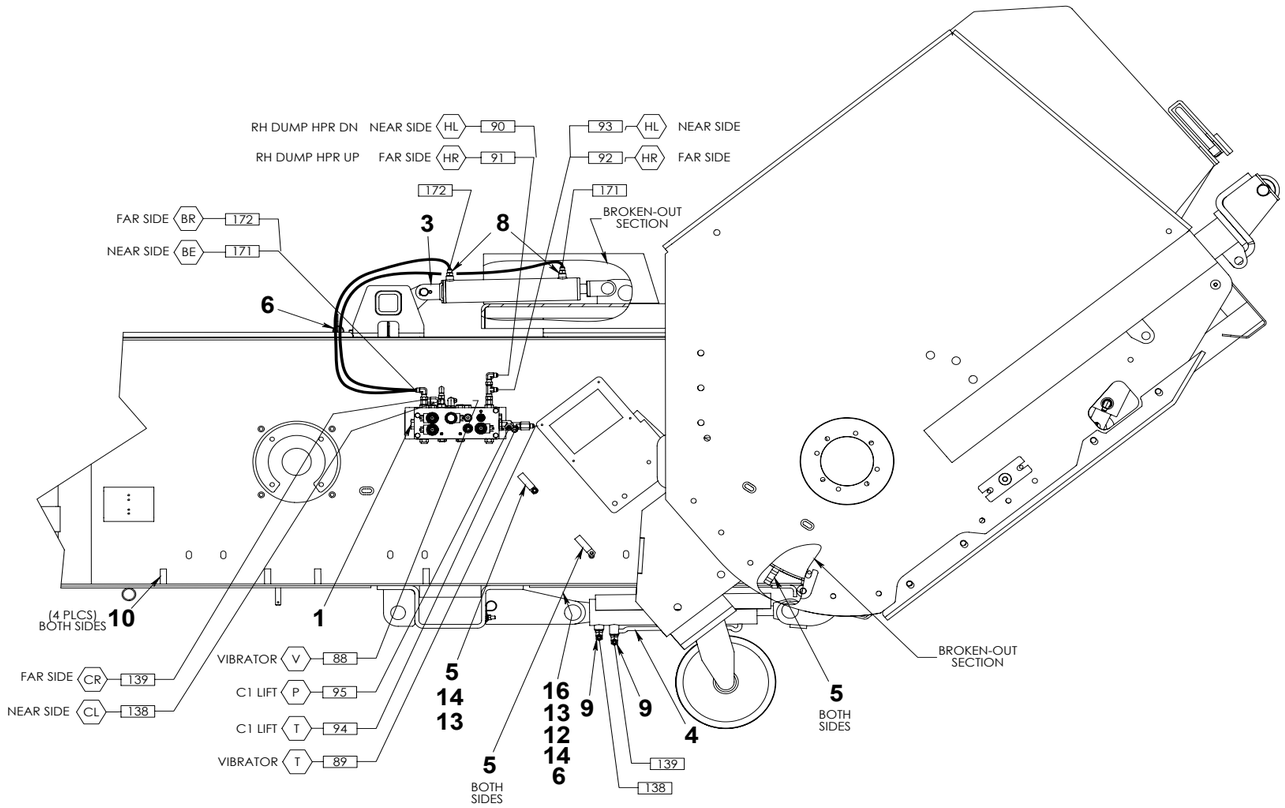
# CYLINDER, C-1 RAISE / LOWER
# ( 207380-01 )

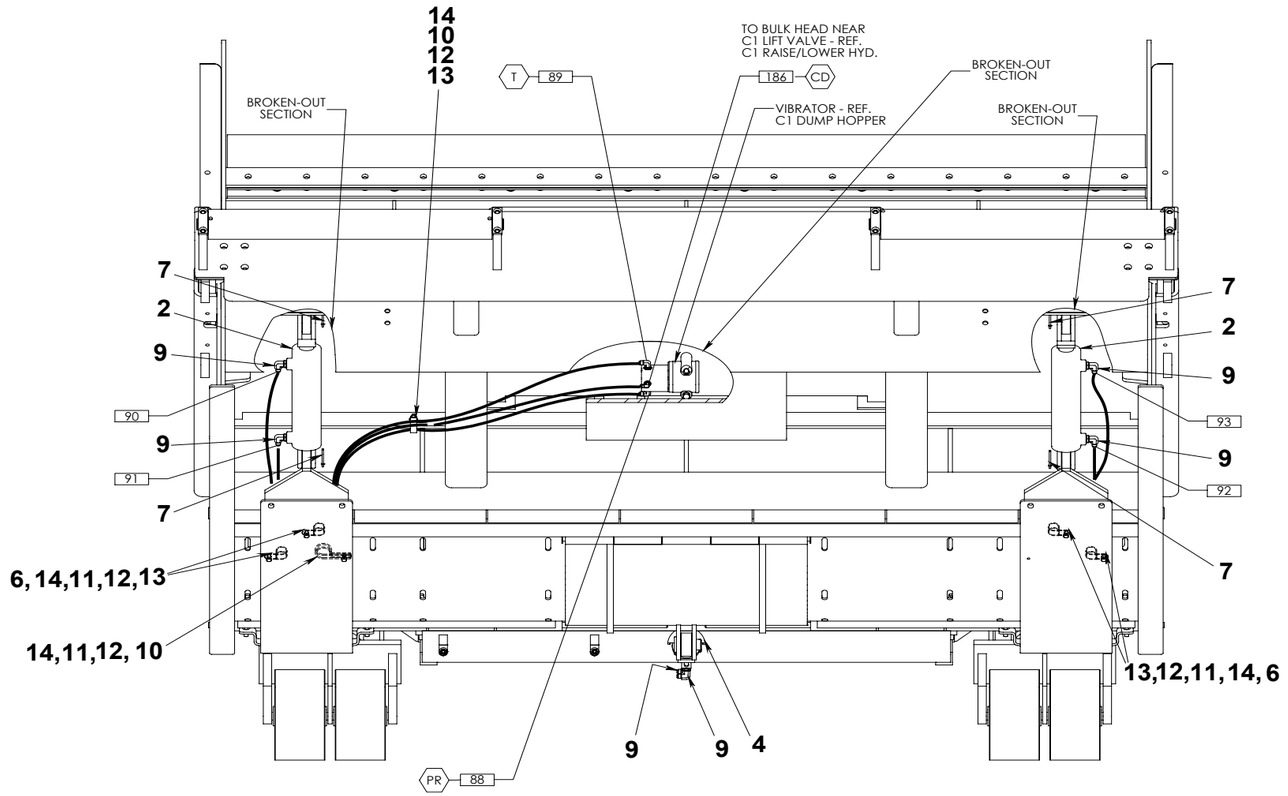



| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 207380-01-C1 | PISTON SEAL | 1 |
| 2 | 207380-01-C2 | BACK-UP | 1 |
| 3 | 207380-01-C3 | O-RING | 1 |
| 4 | 207380-01-C4 | O-RING | 1 |
| 5 | 207380-01-C5 | O-RING | 1 |
| 6 | 207380-01-C6 | WEAR BAND | 2 |
| 7 | 207380-01-C7 | U-CUP | 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 |

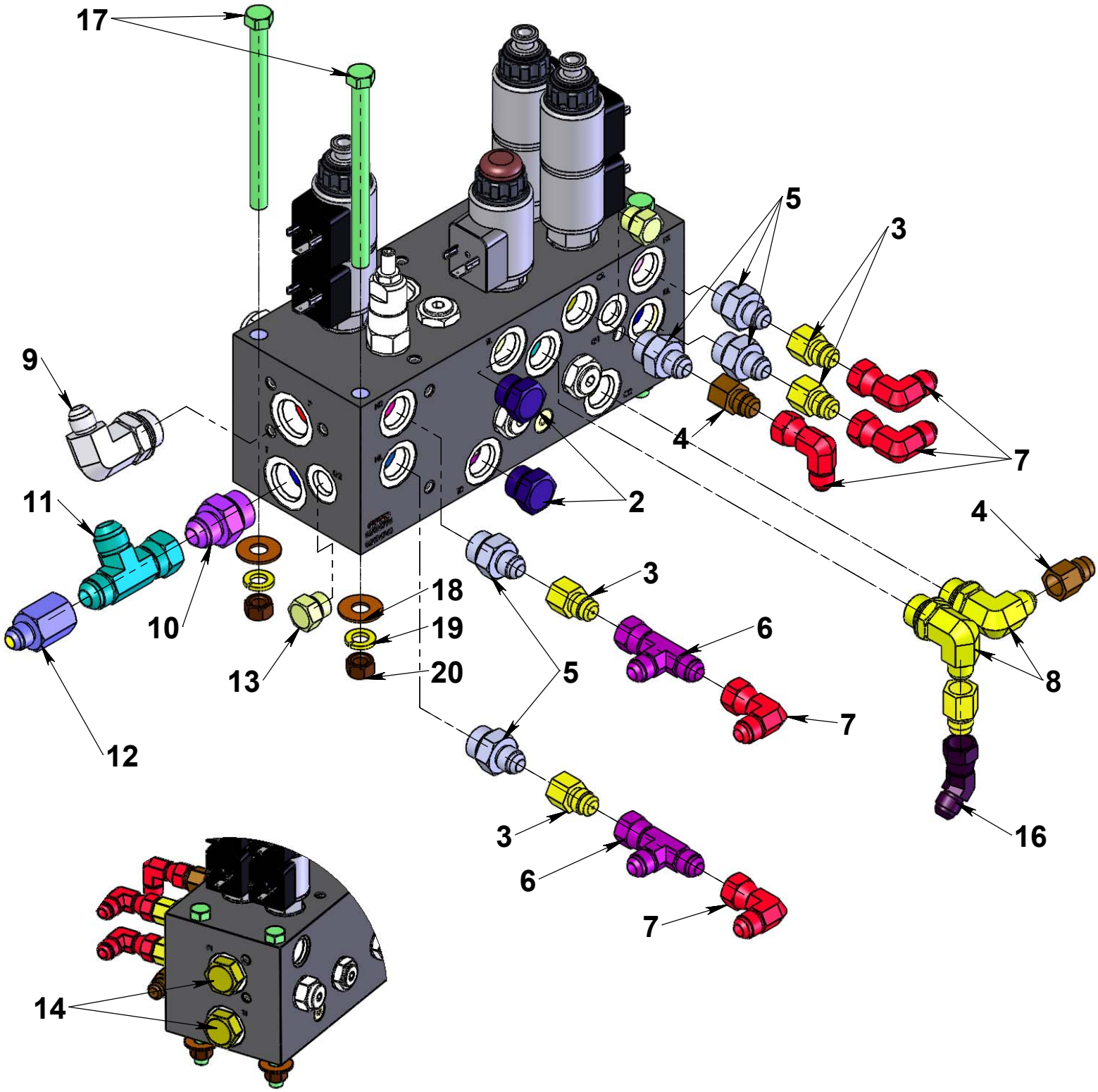





ROADTEC
an Astec Industries Company

# ASSY-C1 HOPPER CONTROLS MANIFOLD (236176-02)

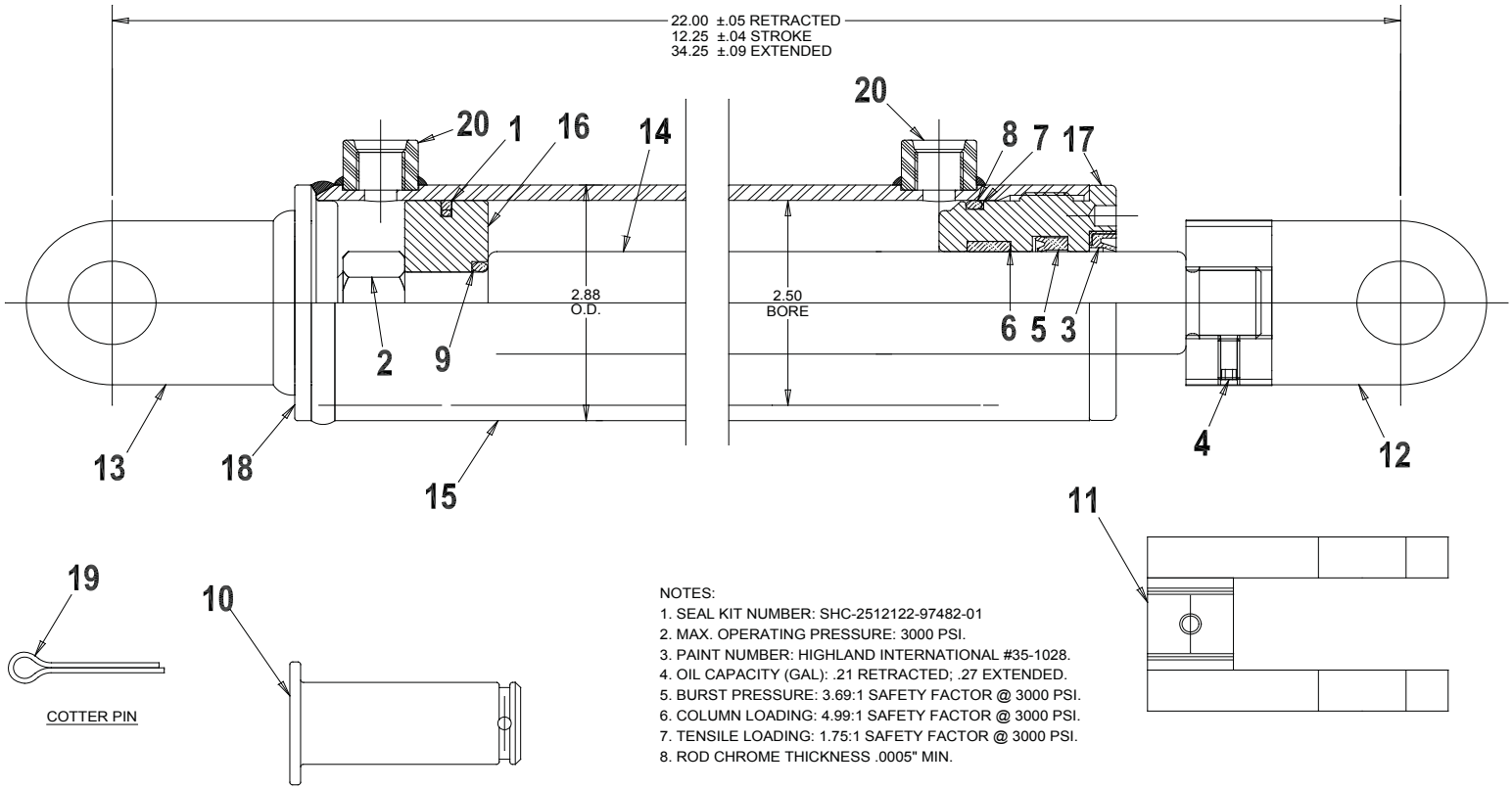



VIEW OF OPPOSITE SIDE

# 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 )



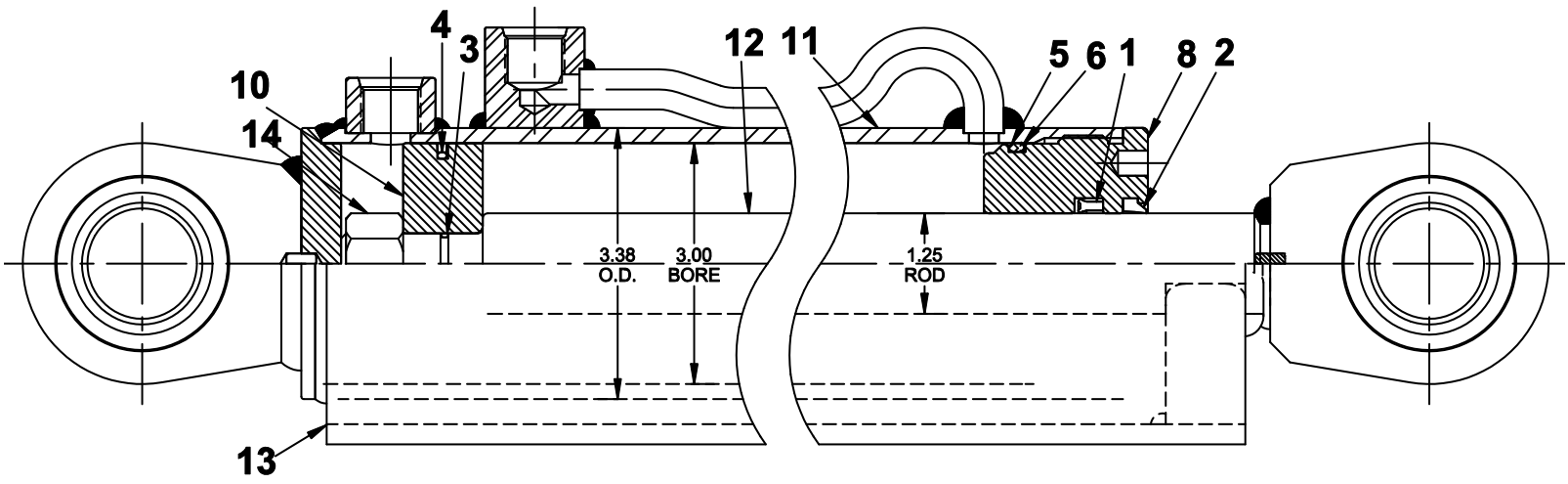


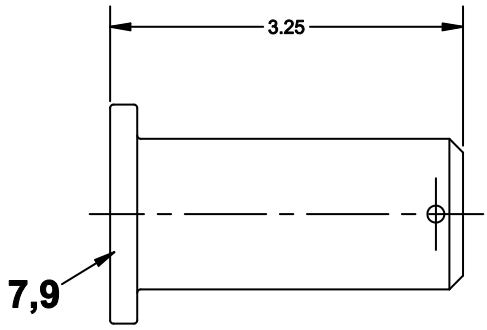


NOTES:
1. SEAL KIT NUMBER: SHC-2512122-97482-01
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: HIGHLAND INTERNATIONAL #35-1028.
4. OIL CAPACITY (GAL): .21 RETRACTED; .27 EXTENDED.
5. BURST PRESSURE: 3.69:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 4.99:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE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

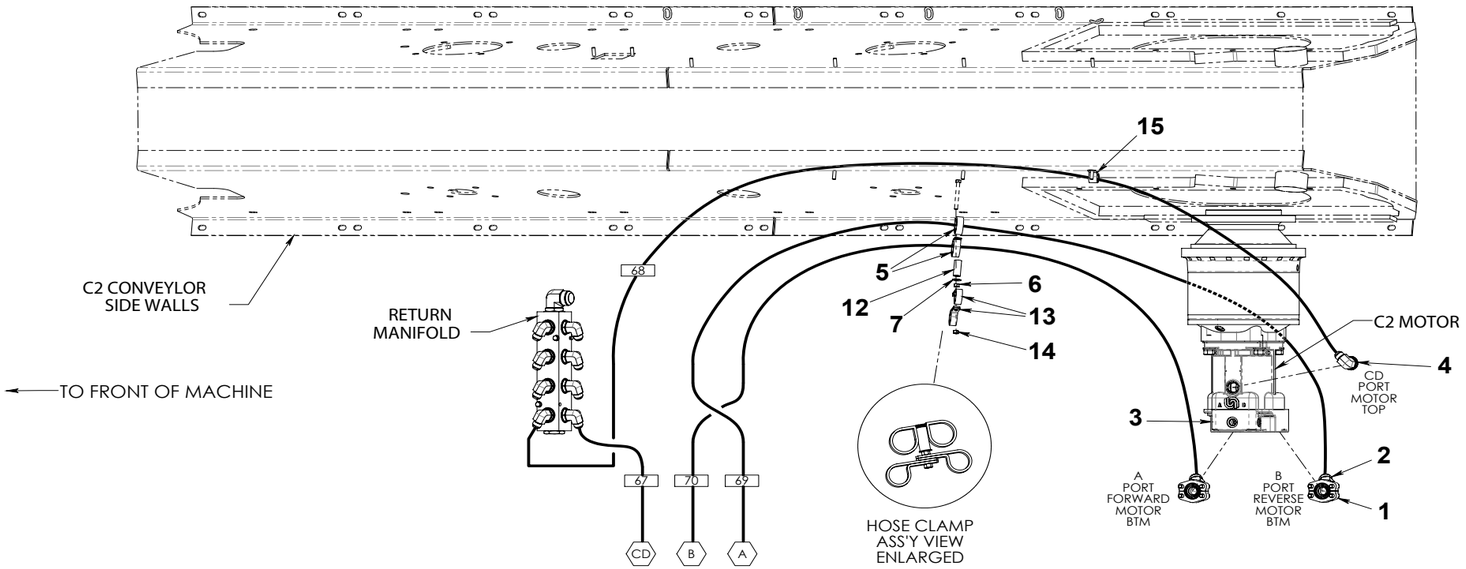


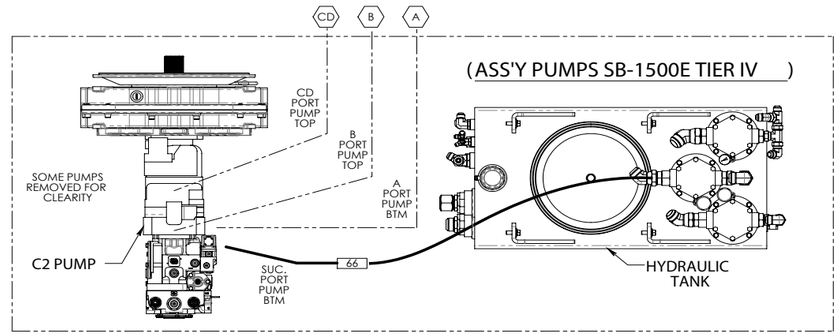



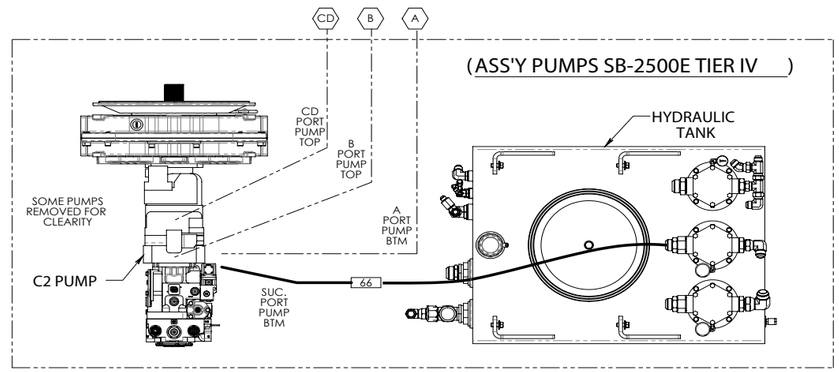

| ITEM # | PART NO. | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 215523-01-C9 | POLY PAK | 1 |
| 2 | 215523-01-C10 | WIPER | 1 |
| 3 | 215523-01-C11 | O-RING | 1 |
| 4 | 215523-01-C12 | PISTON SEAL | 1 |
| 5 | 215523-01-C13 | O-RING | 1 |
| 6 | 215523-01-C14 | BACK-UP | 1 |
| 7 | 215523-01-C2 | COTTER 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 )

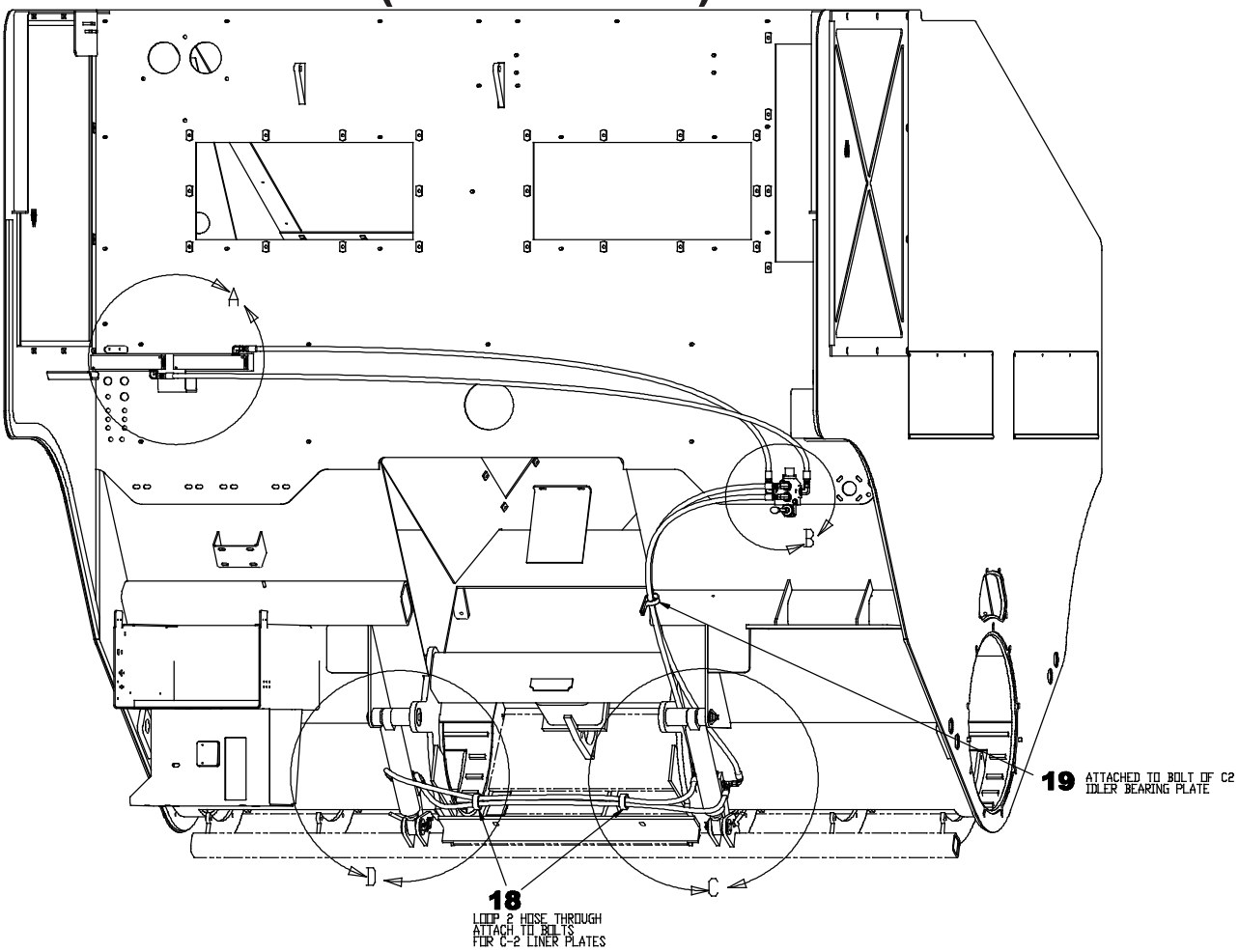
| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 96765 | KIT * FLANGE #20 CODE 62 | 2 |
| 2 | 99945 | FIT * 20 JIC. X 20 FLG. 45 CODE62 | 2 |
| 3 | 149224-04 | MOTOR * HYD. MOTOR-SERIES 90-130 CC | 1 |
| 4 | 85875-04 | FIT * ELBOW 12 JIC M - 16 SAE 90 | 1 |
| 5 | 99965 | CLAMP * 2" RUBBERIZED 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 |

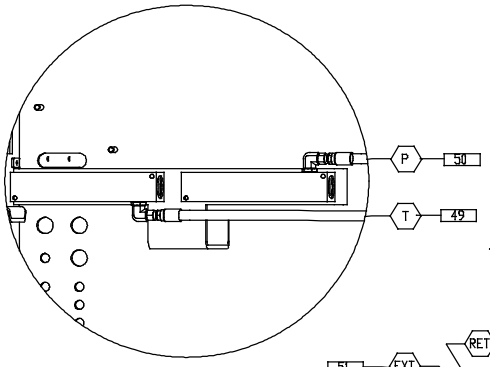


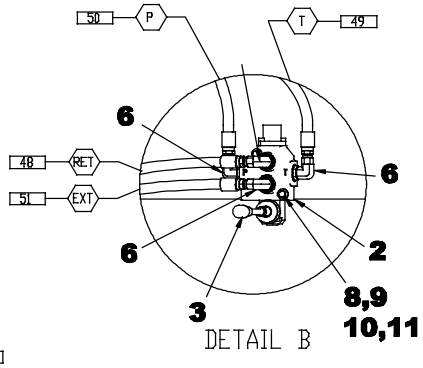



# C-2 CLEAN-OUT DOOR HYDRAULICS
# ( 226792-01 )

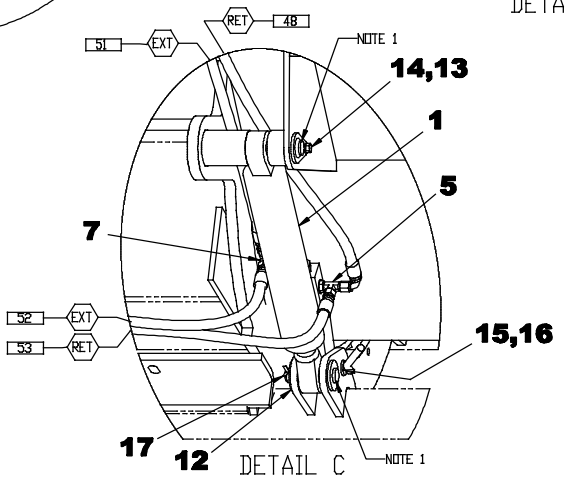


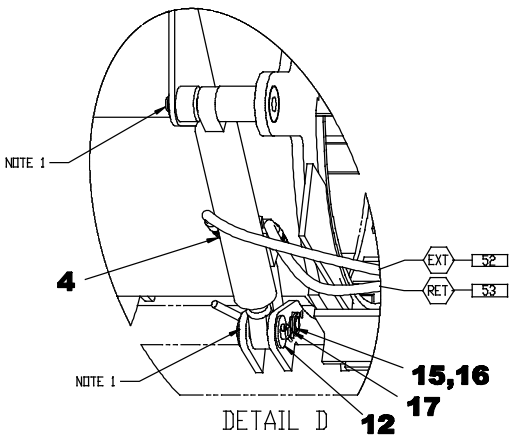

DETAIL A




DETAIL B




DETAIL C

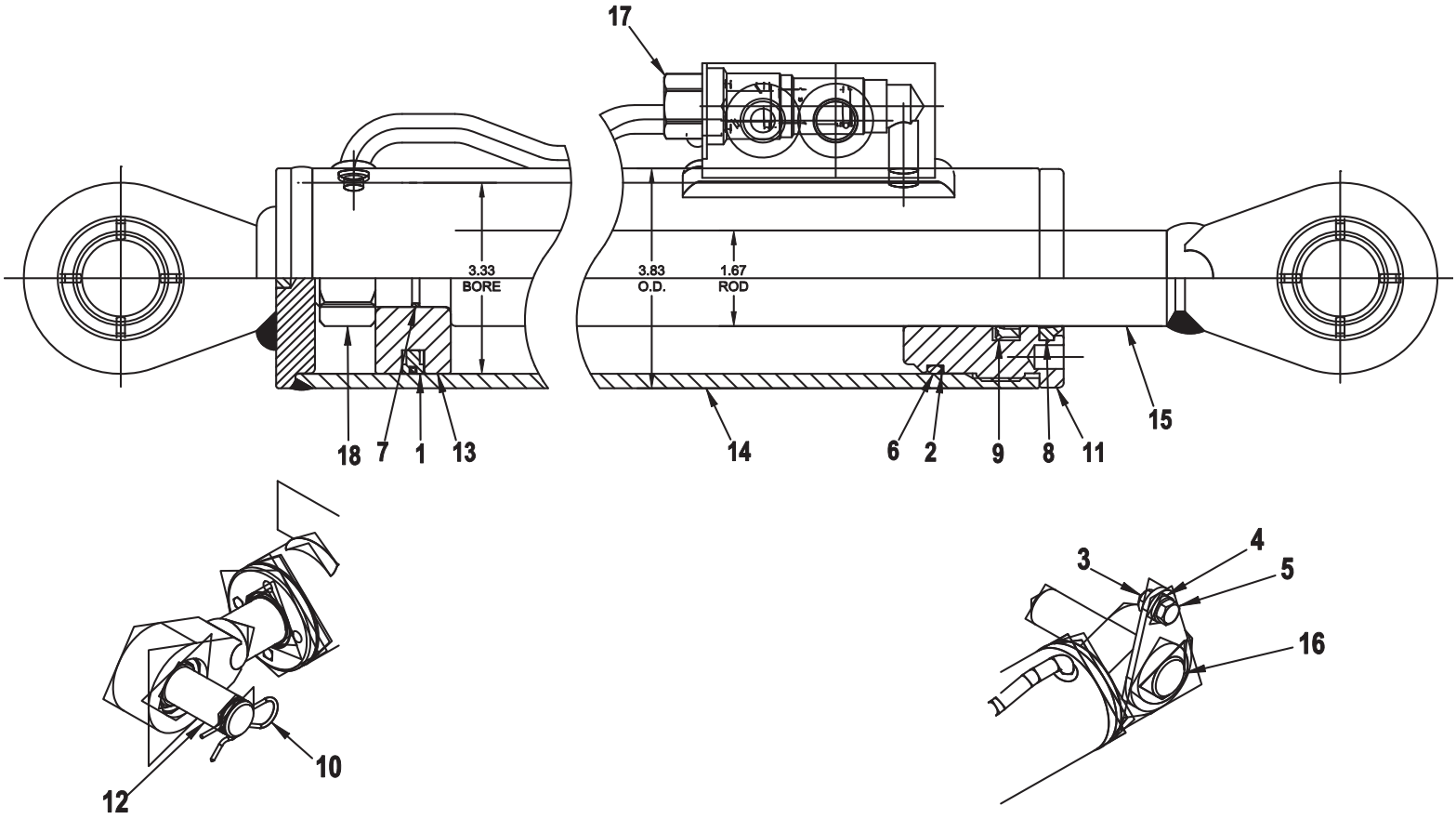



DETAIL D

# 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 | | | |

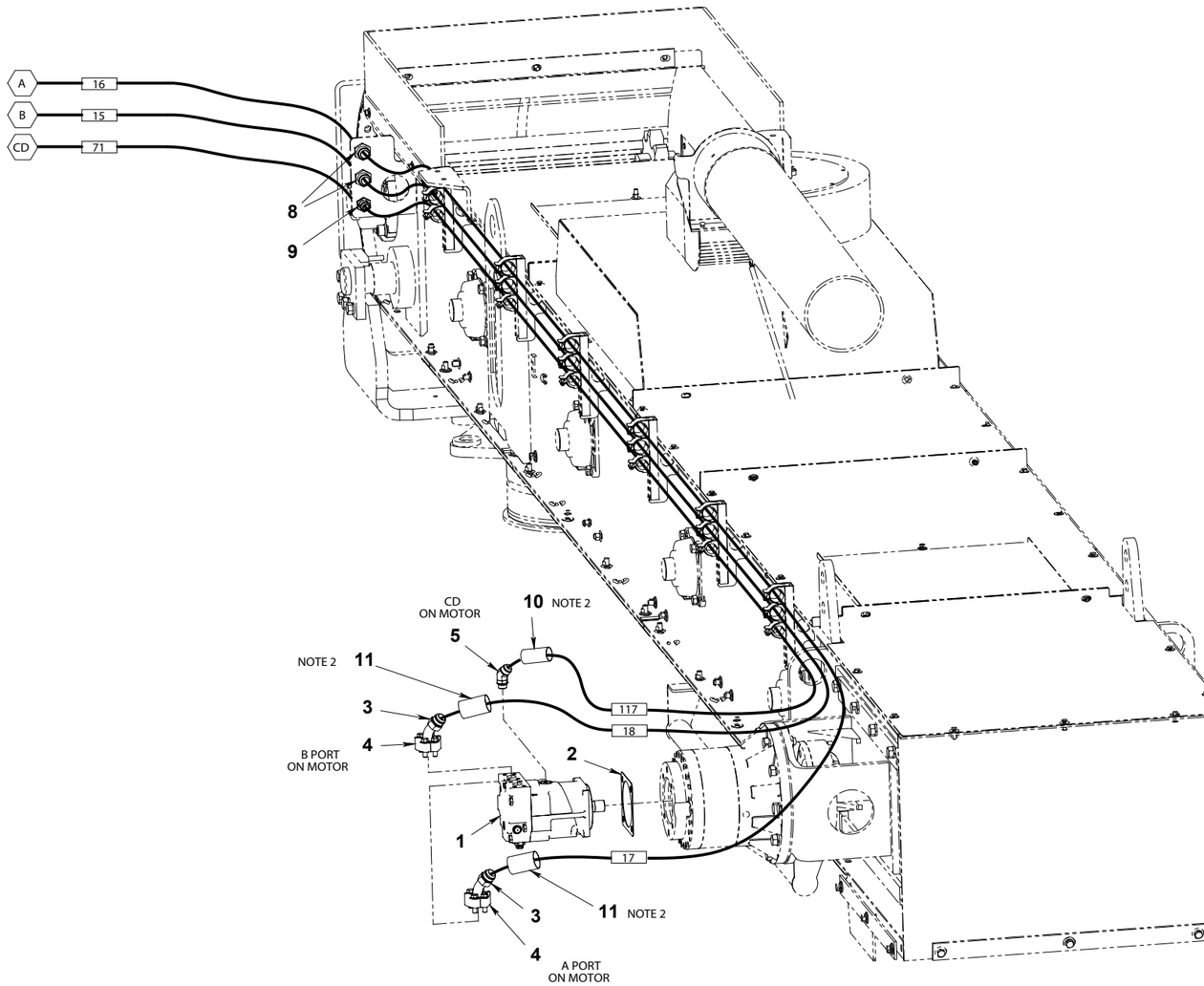
# CYLINDER, C-2 CLEAN-OUT
# ( 225738-01 )




| 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 |

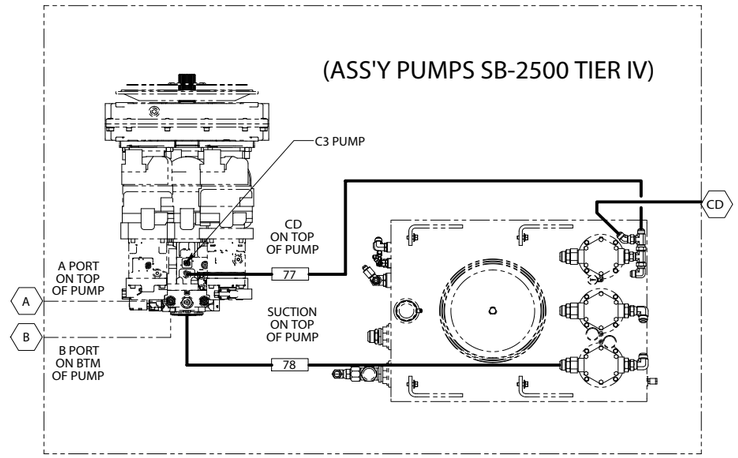


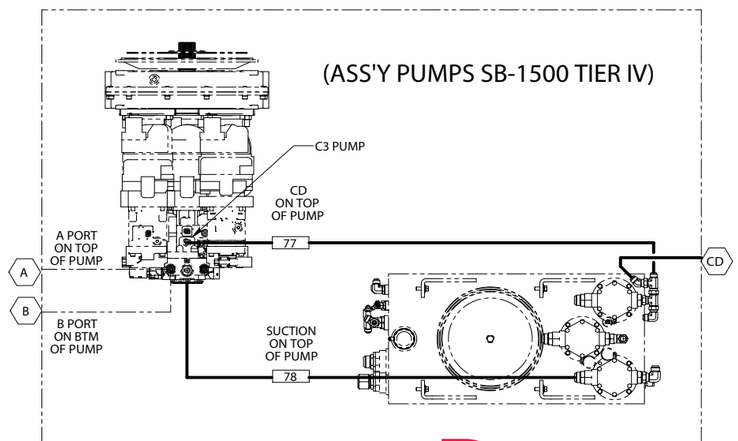

NOTE :
1. REF. APPROPRIATE HOSE KIT FOR HOSE DETAILS.
2. HOSE SLEEVE ATTACHES TO END OF HOSE FROM MOTOR TO HOSE CLAMP ON CONVEYOR WITH ZIPPY TIES BOTH ENDS.

(XX) - ITEM

[XX] - HOSE NUMBER

<XX> - MANIFOLD PORT



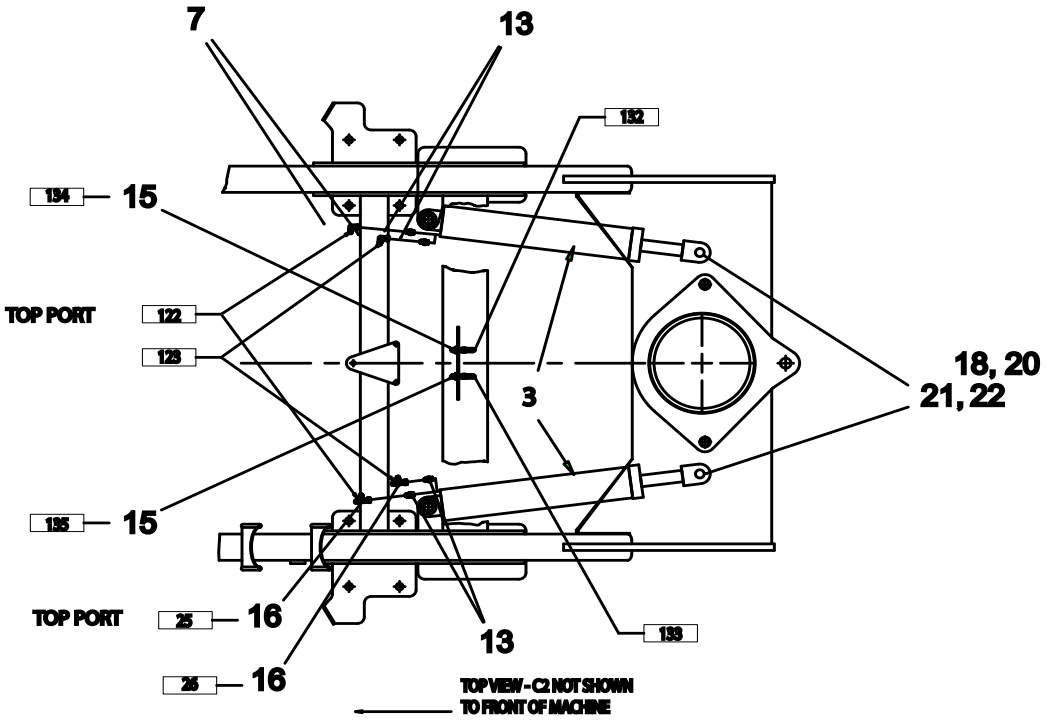



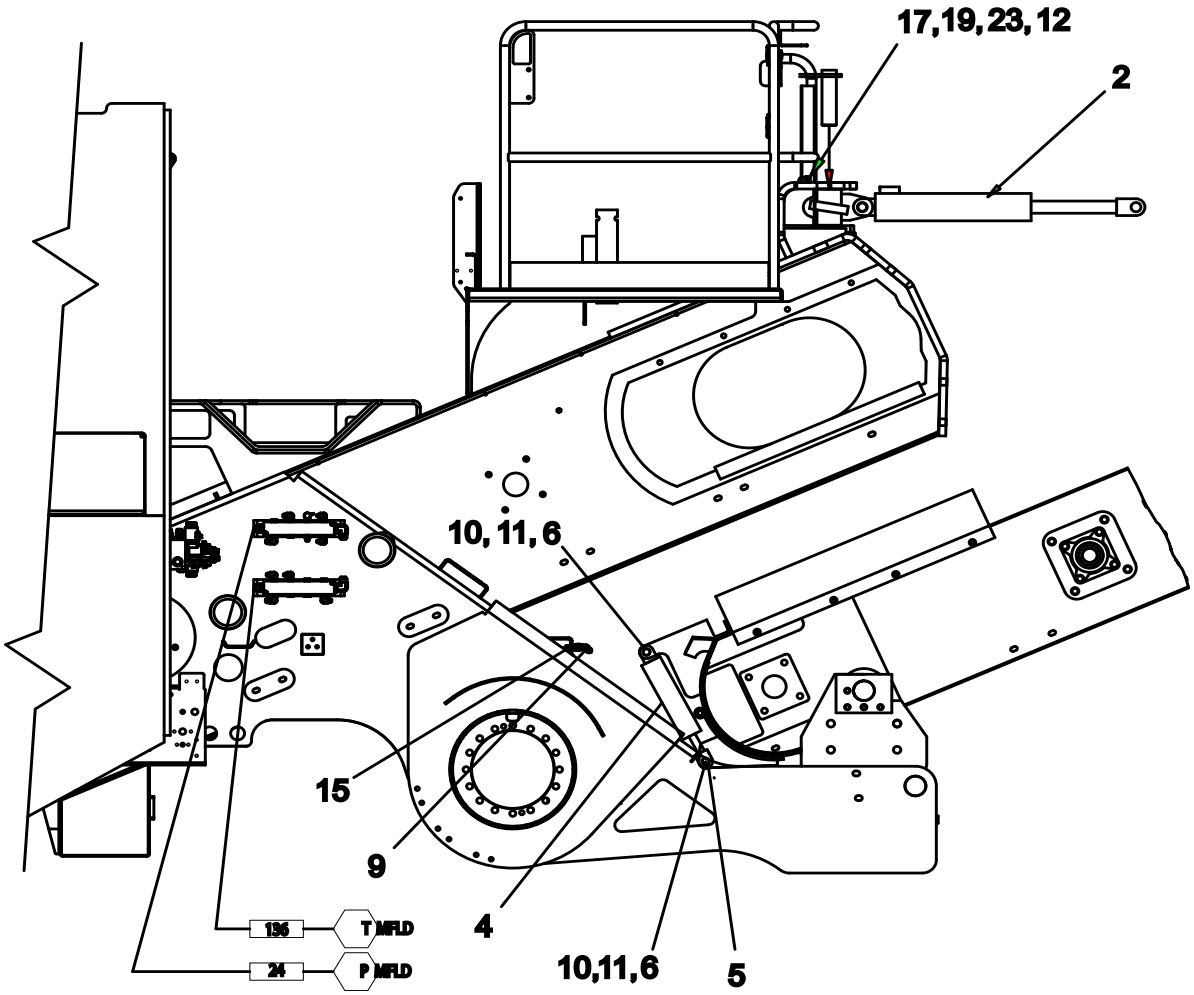



ROADTEC
an Astec Industries Company

# C-3 CONTROL HYDRAULICS
# ( 236339-01 )

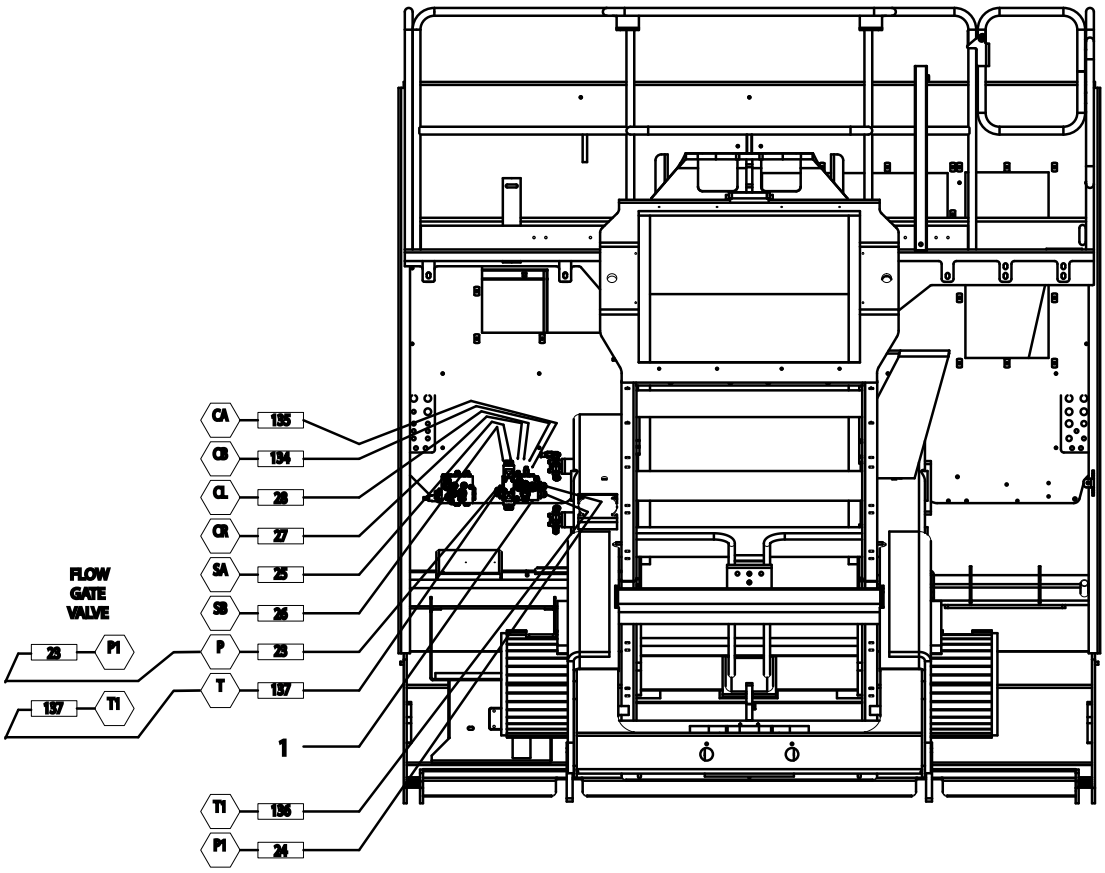
NEXT PAGE

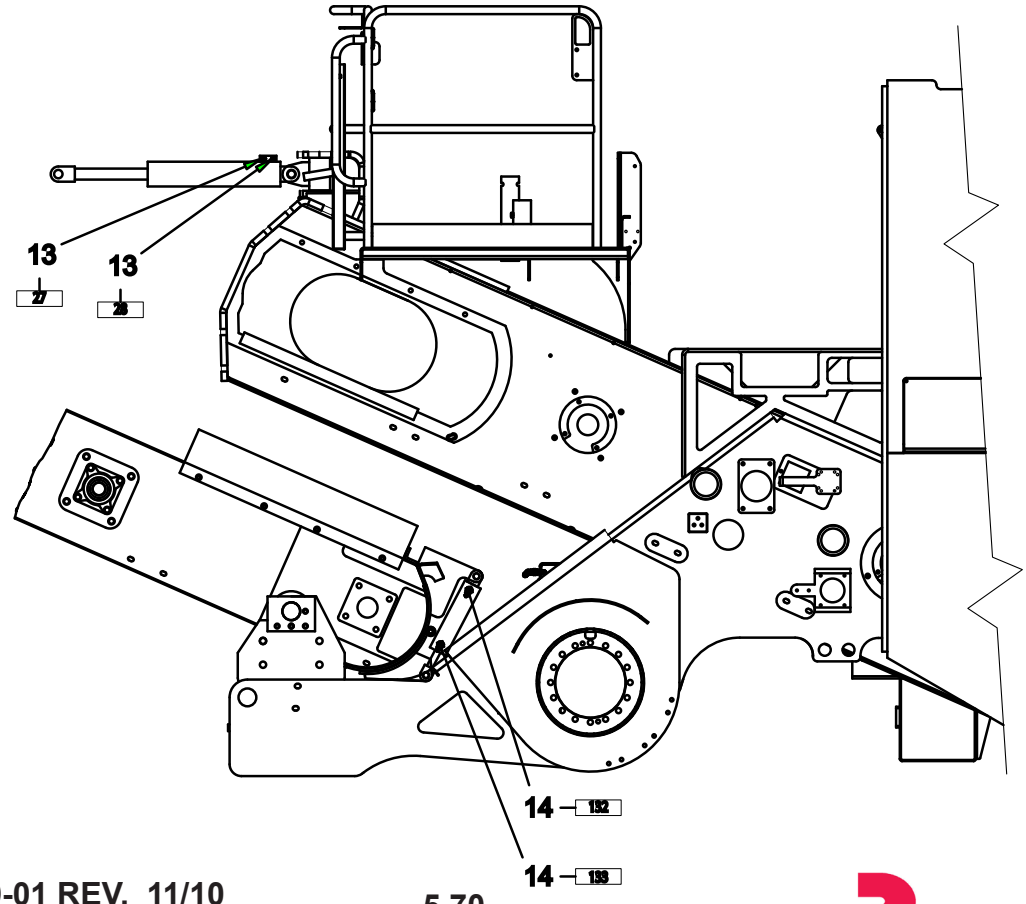


PREVIOUS PAGE

# C-3 CONTROL HYDRAULICS
# ( 236339-01 )

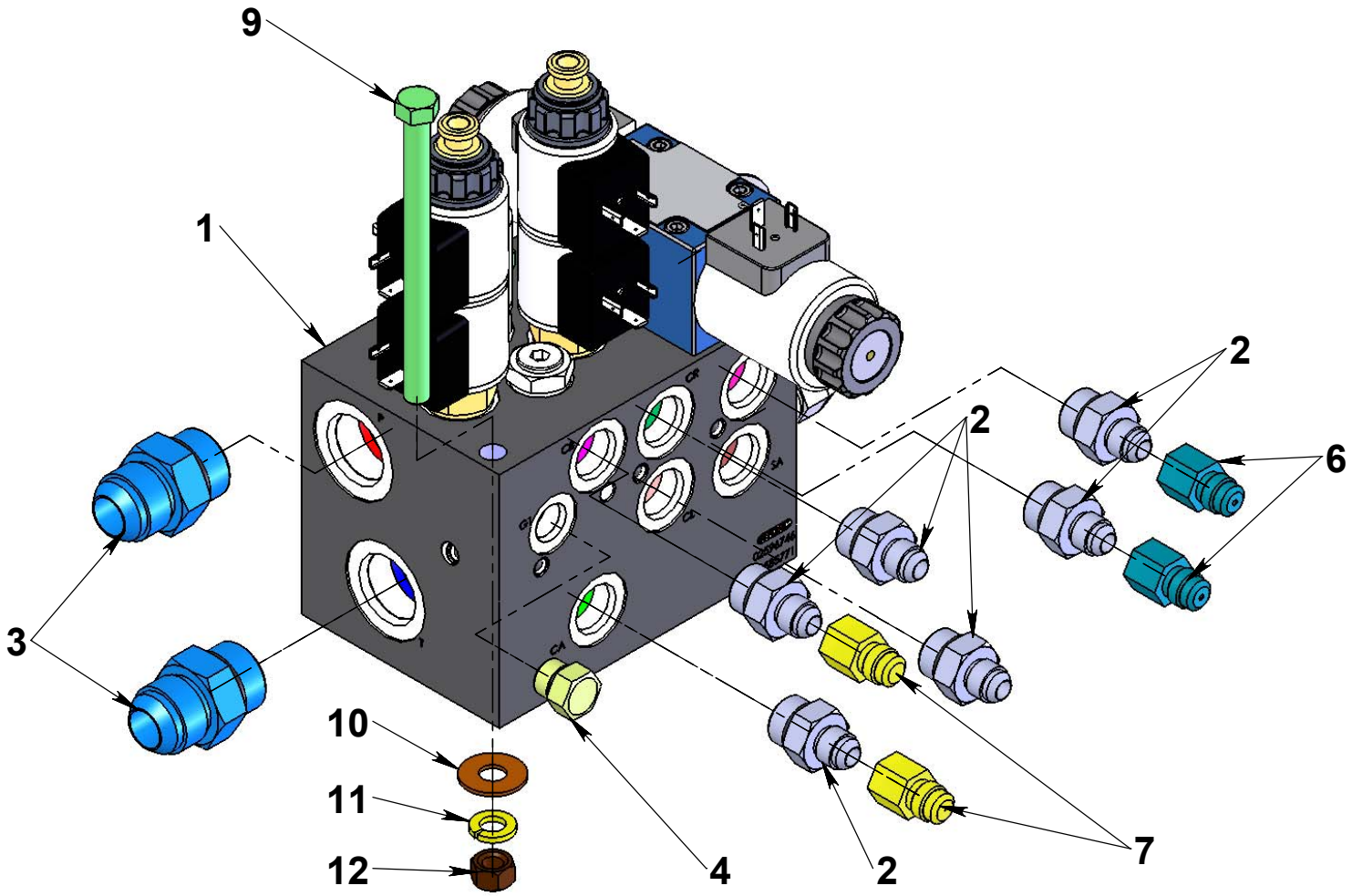


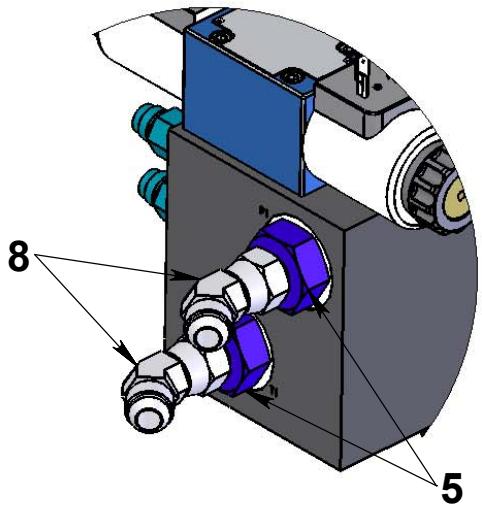



# C-3 CONTROL HYDRAULICS
# ( 236339-01 )

| 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 | 144901-01 | CYLINDER - 4.00 BORE X 21.00 STROKE | 2 |
| 4 | 234638-02 | CYLINDER - 2.00 BORE X 2.00 STROKE | 1 |
| 5 | 83439-04 | ROD END - FEMALE 1 1/4" RH THD. | 1 |
| 6 | 10S89 | FLAT WASHER - 1" A325 | 2 |
| 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 | 149431-03 | PIN WLDMT - C3 CLEANOUT DOOR | 2 |
| 11 | 144993-04 | LYNCH PIN - 3/16" | 2 |
| 12 | 83065 | LOCK WASHER - 1/4" SPRING STEEL | 1 |
| 13 | 83735-04 | FIT - 6 JIC X 6 SAE MALE ADAPTER | 6 |
| 14 | 84426-04 | ELBOW 90 DEG. - 6 JIC - 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 | 89773 | HEX BOLT - 1/4-20 X 1" GR8 | 1 |
| 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)

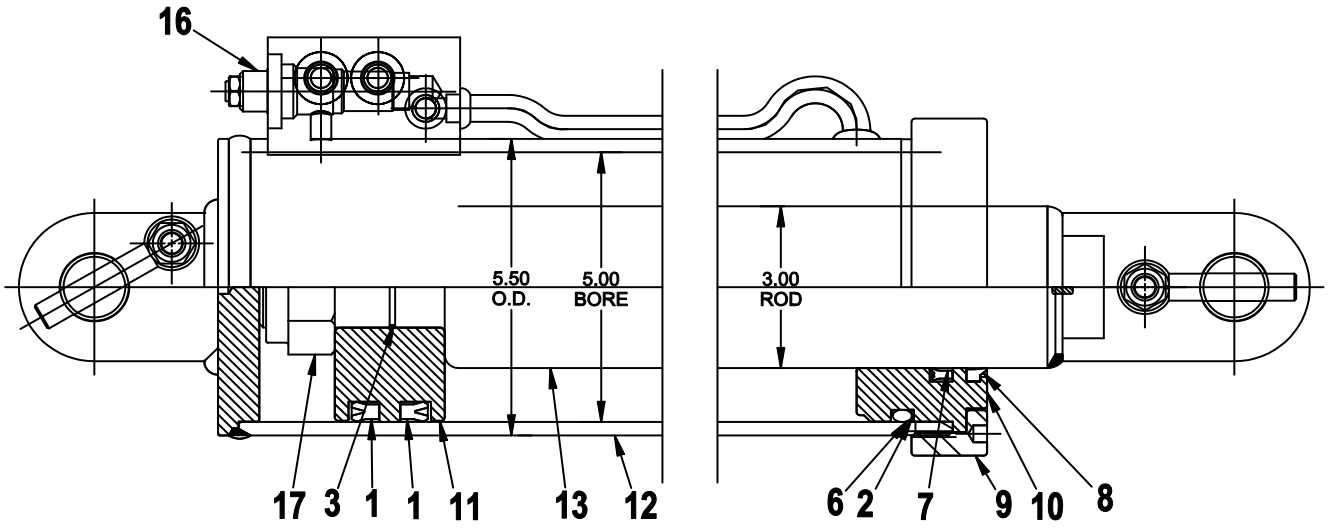


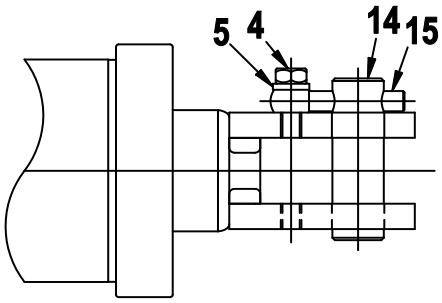



# ASSEMBLY-C3 CONTROL MANIFOLD (236179-02)

| 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 )

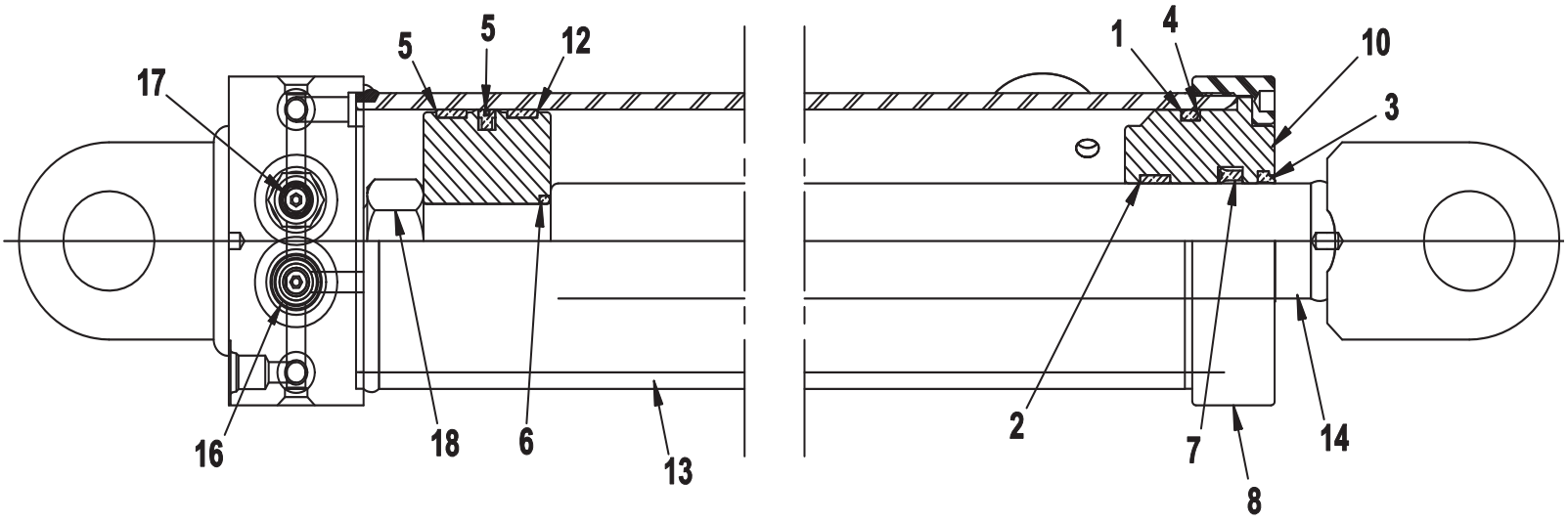



ROD END MOUNT DETAIL

| 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 | | | |

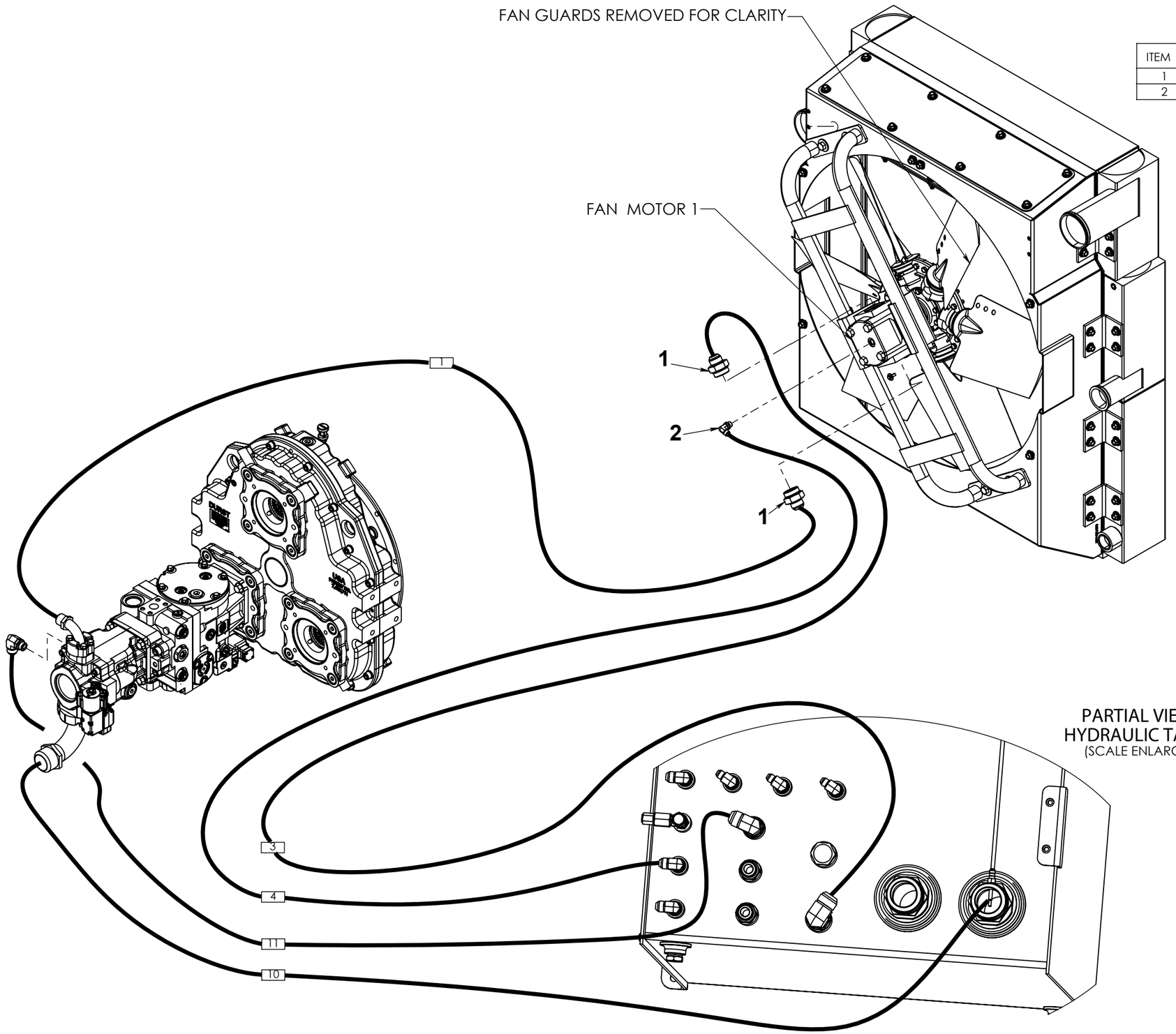
# CYLINDER, C-3 SWING
# ( 144901-01 )




| 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 )

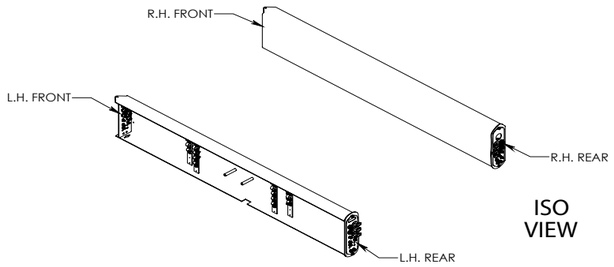
| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 84632-04 | FIT * CONNECTOR 16 JIC - 20 SAE M. | 2 |
| 2 | 83734-04 | FIT * 6 JIC - 6 SAE 90 DEG. | 1 |





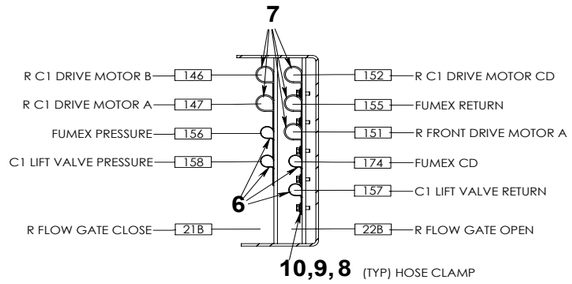

PARTIAL VIEW
HYDRAULIC TANK
(SCALE ENLARGED)

# ASSEMBLY- HYDRAULIC TUB
# ( 242062-01 )

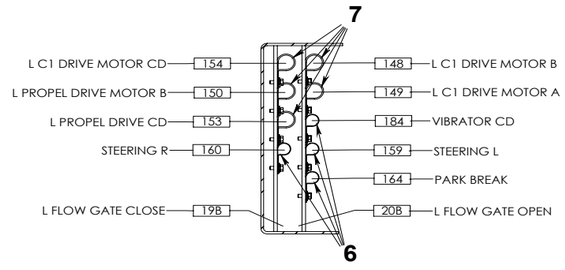



ISO VIEW

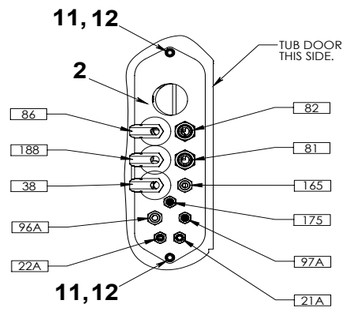
| ITEM# | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 242090-03 | ASSY-LT HYDRAULIC TUB BULKHEAD | 1 |
| 2 | 242091-03 | ASSY-RT HYDRAULIC TUB BULKHEAD | 1 |
| 3 | 83476-04 | FIT * BULKHEAD UNION 12 JIC | 10 |
| 4 | 83453-04 | FIT * UNION 8 JIC BULKHEAD STEEL | 2 |
| 5 | 83475-04 | FIT * BULKHEAD 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 |



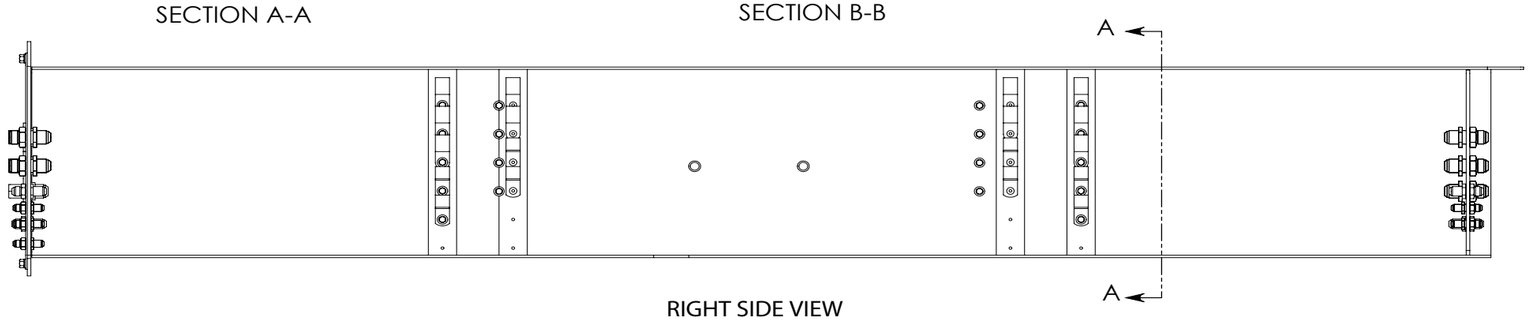

SECTION A-A



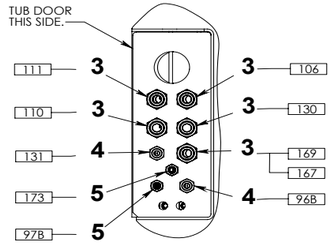

SECTION B-B



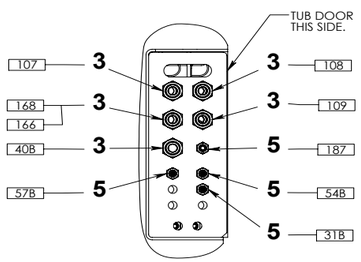

R.H. REAR VIEW



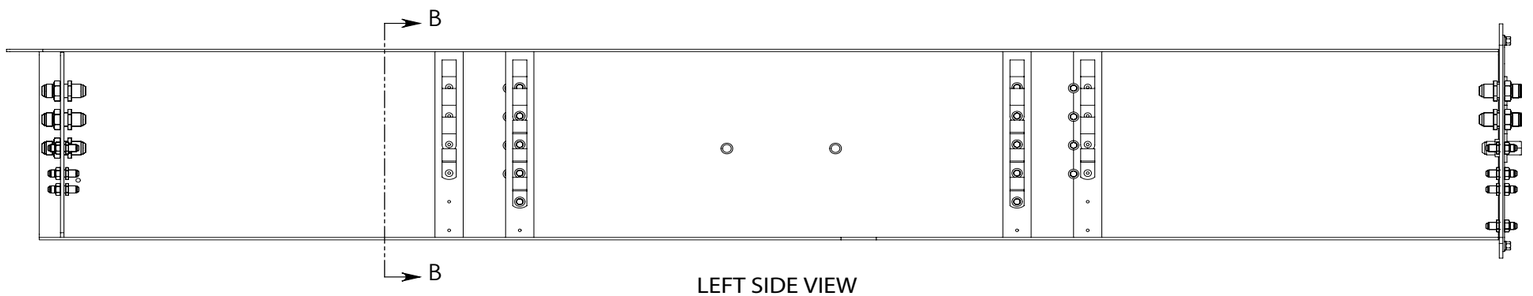

RIGHT SIDE VIEW



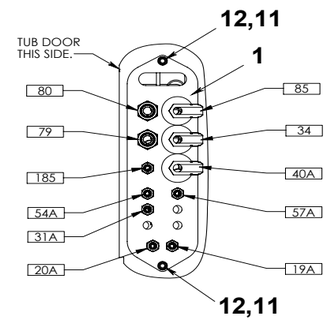

R.H. FRONT VIEW




L.H. FRONT VIEW




LEFT SIDE VIEW

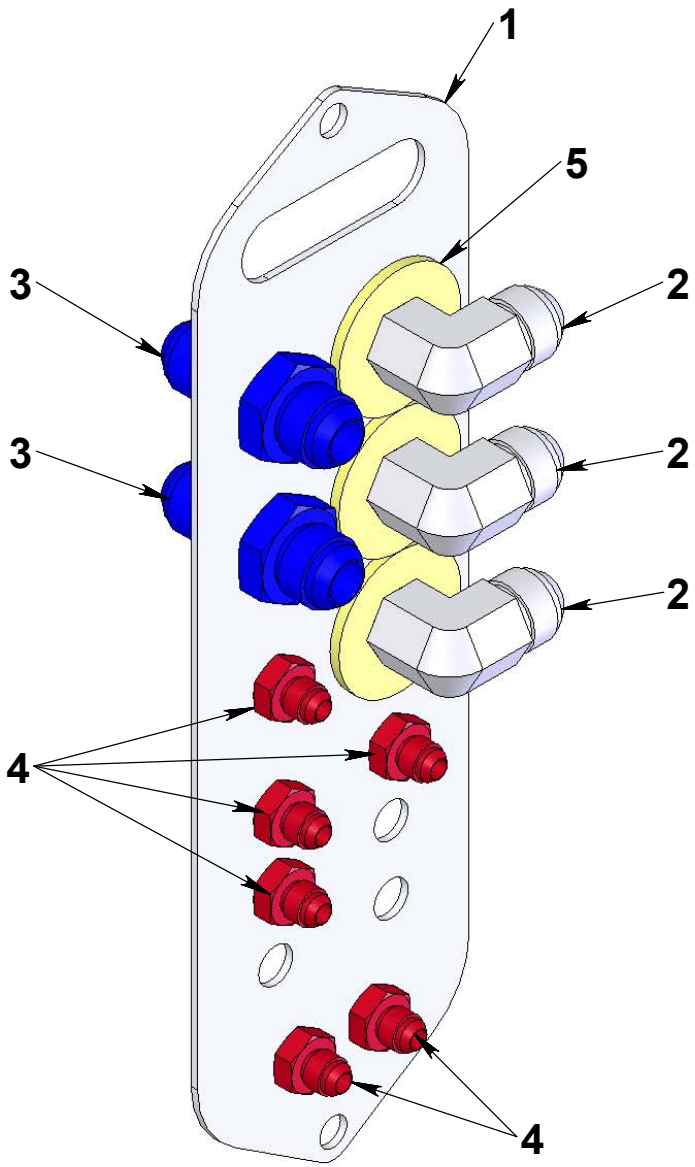



L.H. REAR VIEW



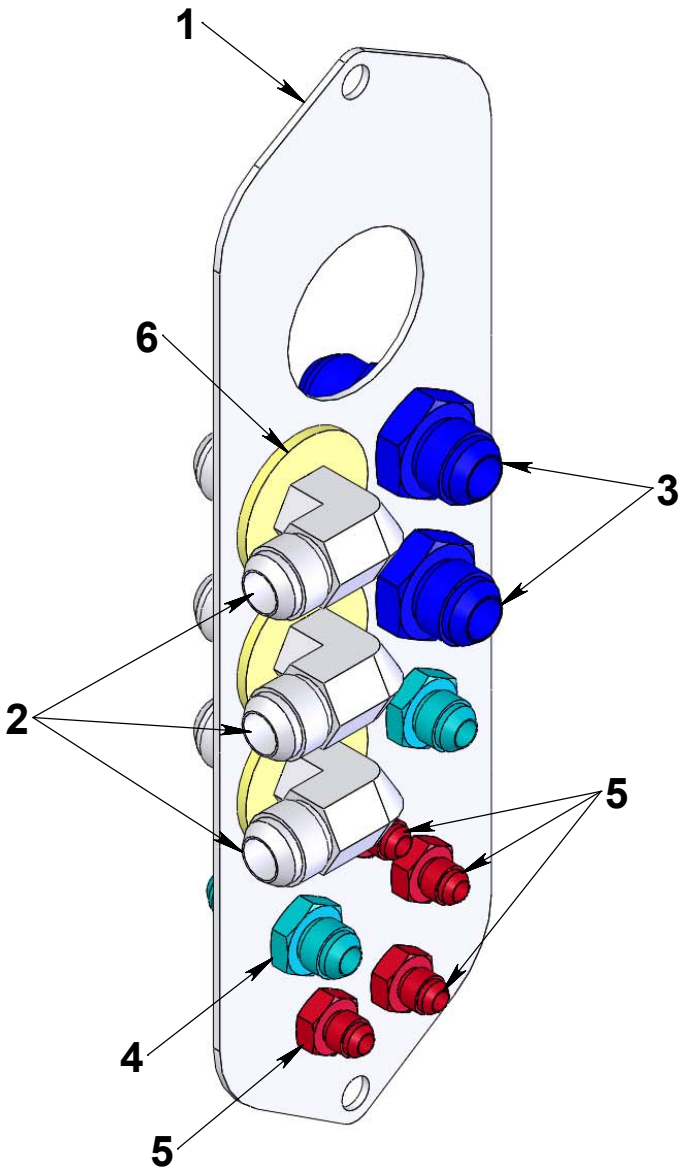
ROADTEC an Astec Industries Company

# ASSY-LT HYDRAULIC TUB BULKHEAD (242090-03)



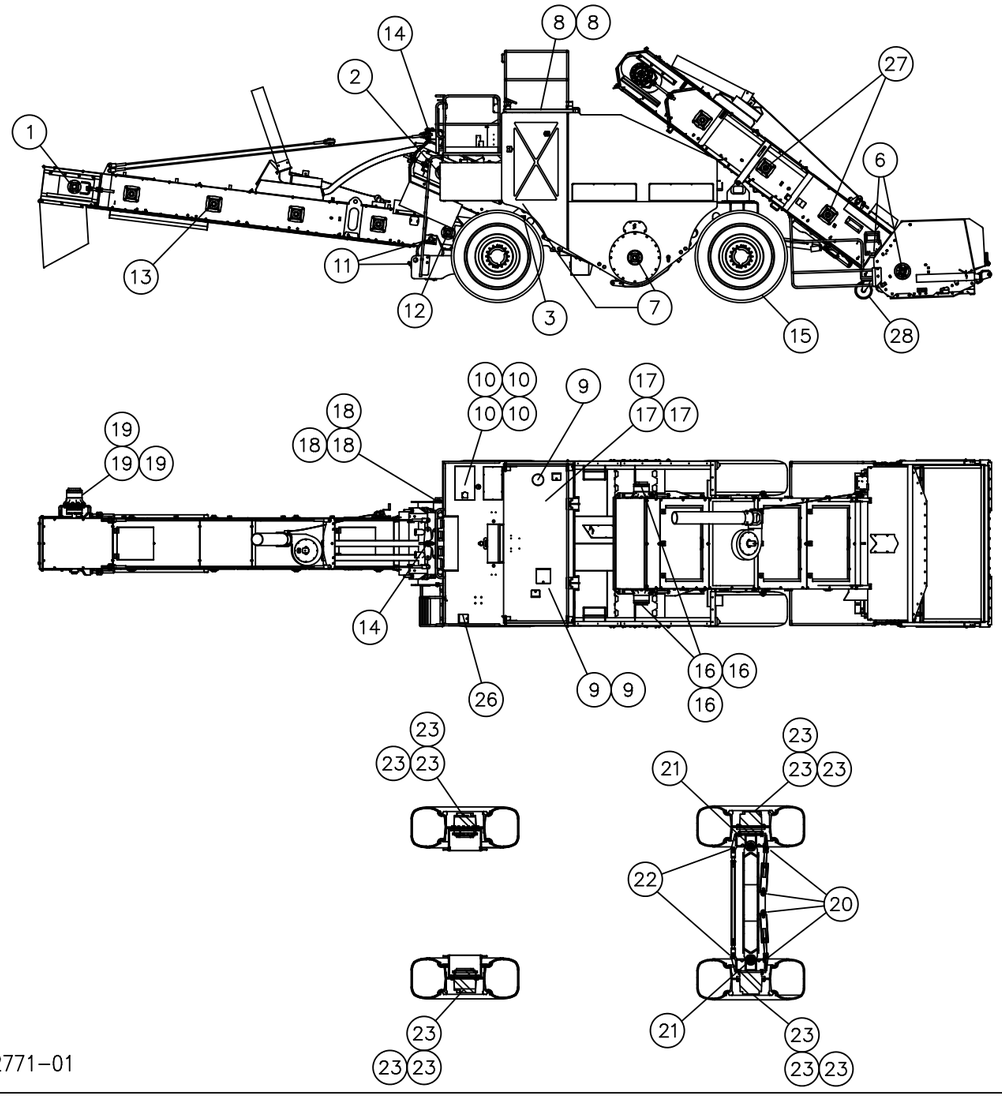

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 242042-04 | DETAIL-LT HYD TUB BULKHEAD PLATE | 1 |
| 2 | 99986 | FIT * BULKHEAD 12 JIC 90 DEG. | 3 |
| 3 | 83476-04 | FIT * BULKHEAD UNION 12 JIC | 2 |
| 4 | 83475-04 | FIT * BULKHEAD UNION 6 JIC ST | 6 |
| 5 | 10S89 | WASHER ~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

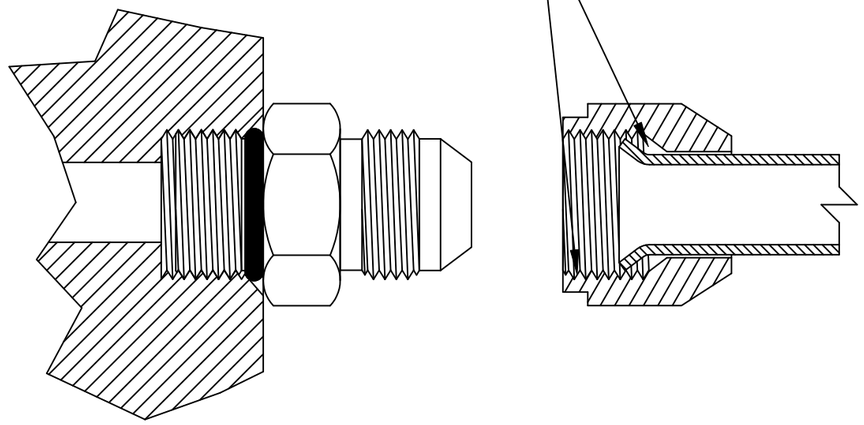
| INTERVAL HOURS | REF NO | IDENTIFICATION | NO. OF POINTS | TYPE OF LUBRICATION | REMARKS |
|---|---|---|---|---|---|
| GREEN 250 HOURS | 9 | ENGINE AIR FILTER | 2 | N/A | CHECK AND REPLACE (IF NECESSARY) |
| | 9 | ENGINE OIL AND FILTER | 1 EA | EO | CHANGE |
| | 9 | FUEL FILTER | 3 | N/A | CHANGE |
| | 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)

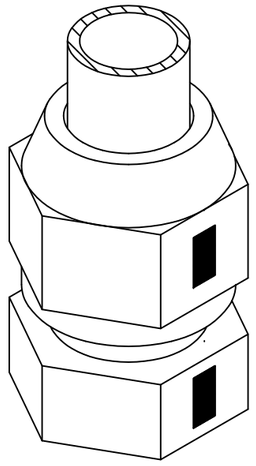
Valvoline.

242771-01

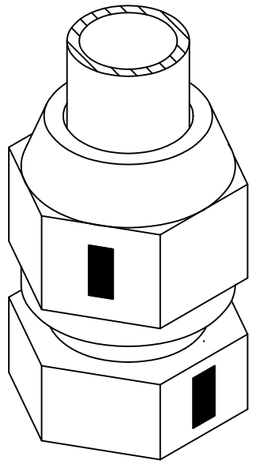
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



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

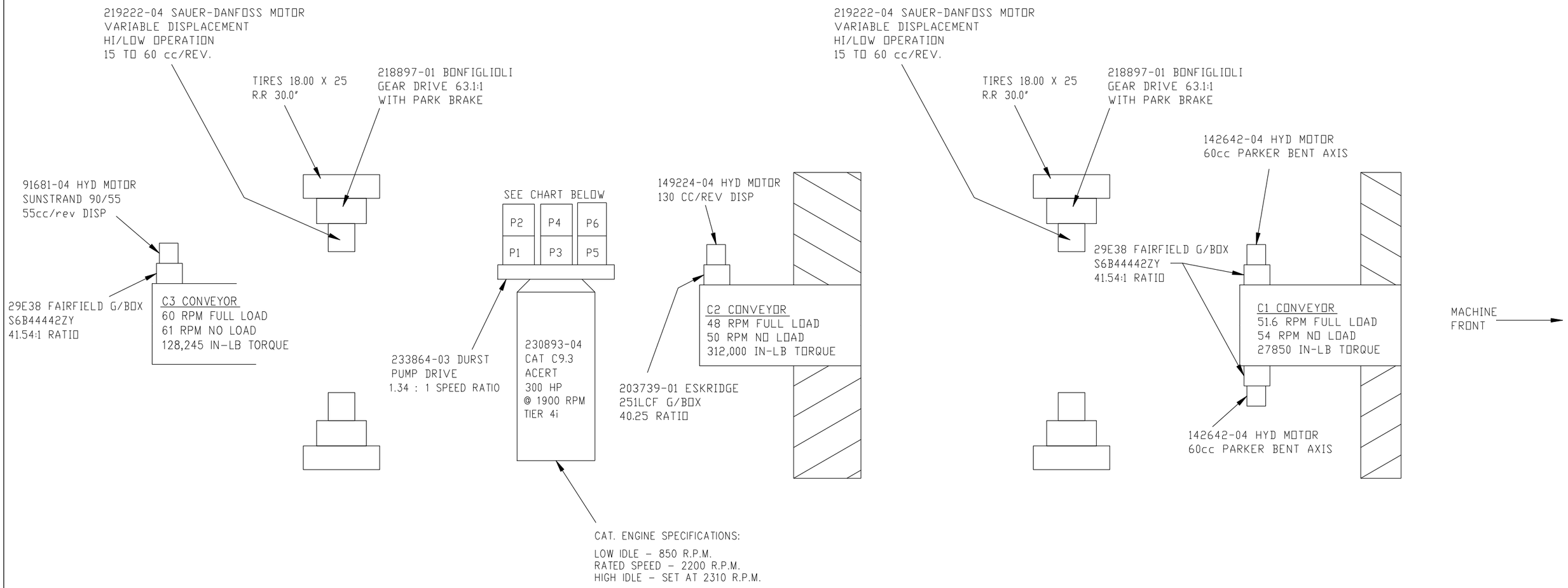
PART NAME: INSTRUCTIONS - JIC FITTING ASSEMBLY

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 #242040-04 BEGINNING SN 2005 E.C. 1823**

REVISION 0

# SB-2500E TIER 4i

# PRELIMINARY

**Hose Type Codes**

| | | |
|---|---|---|
| AS400 | model | description |
| VAC | Parker 811 for size 20-32/881 for size 12 & | suction |
| LP | Parker 421 | low pressure |
| STD | Parker 471TC for #4, #6 and #8 hose | medium pressure |
| STD | Parker 451TC for #12 and #16 | medium pressure |
| HP | Parker 782TC | high pressure (5000 psi) |
| 731 | Parker 731-12 (Drawing must be made for | high pressure (6000 psi) |
| SLEEVE | Partek "PS" series | ISO 6945 protective nylon |
| HT | Parker 943B | high temperature |

All sizes are 5000 psi MWP

Size 12 MWP is 6000, 16 is 5500 & 20 is 4700

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

| | | | | | | | | 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 | 127163S | FAN PUMP TO FAN MTR*A | 1 | 1 | STD | 96 | 16x16 ST | 16x16 90 | 206128-04 | |
| 2 | COOLING FAN | 93354-04S | FAN MTR*A TO FAN MTR*B | 1 | 1 | STD | 42 | 16x16 ST | 16x16 ST | 206128-04 | |
| 3 | COOLING FAN | 241516S | FAN MTR*B RETURN TO TANK | 1 | 1 | STD | 105 | 16x16 ST | 16x16 90 | 206128-04 | |
| 4 | COOLING FAN | 97281-04S | FAN MTR*A CD TO TANK | 1 | 0.375 | STD | 84 | 6x6 ST | 8x6 ST | 147462-04 | |
| 5 | COOLING FAN | 241513S | FAN MTR*B CD TO TANK | 1 | 0.375 | STD | 94 | 6x6 ST | 8x6 ST | 147462-04 | |
| 6 | BRAKES | 241511S | DYNAMIC BRAKE - RR BULK HD TEE | 2 | 0.25 | STD | 116 | 6x4 ST | 6x4 90 | 206126-04 | |
| 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 | |
| 10 | COOLING FAN | 237669S | FAN PUMP SUC FROM TANK | 11 | 2 | VAC | 32 | 32x32 ST | 32x32 90 | 224423-04 | |
| 11 | COOLING FAN | 93331-04S | FAN PUMP CD TO TANK | 11 | 0.75 | STD | 54 | 12x12 ST | 12x12 90 | 206127-04 | |
| 12 | FLOWGATES | 216362S | FLOWGATES VALVE*PL - PLATFORM CYL RET | 2 | 0.375 | STD | 158 | 6x6 ST | 6x6 ST | 147462-04 | |
| 13 | FLOWGATES | 120125S | FLOWGATES VALVE*PR - PLATFORM CYL EXT | 2 | 0.375 | STD | 124 | 6x6 ST | 6x6 ST | 147462-04 | |
| 14 | UNASSIGNED | | | | | | | | | | |
| 15 | C3 DRIVE | 237662S | C3 PUMP*B - MID BULK HD | 9 | 1 | HP | 127 | 16x16 ST | 16x16 ST | 206128-04 | |
| 16 | C3 DRIVE | 145995S | C3 PUMP*A - TOP BULK HD | 9 | 1 | HP | 110 | 16x16 ST | 16x16 ST | 206128-04 | 115 |
| 17 | C3 DRIVE | 145994 | C3 DRIVE MTR*A - TOP BULK HD | 9 | 1 | HP | 274 | 16x16 ST | 16x16 ST | NO SLEEVE | 279 |
| 18 | C3 DRIVE | 145994 | C3 DRIVE MTR*B - MID BULK HD | 9 | 1 | HP | 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 | C3 CONTROLS | 237663S | C3 VALVE*P - AUX PRESSURE MFLD | 3 | 0.75 | STD | 9 | 12x12 ST | 12x12 90 | 206127-04 | |
| 25 | C3 CONTROLS | 128238S | C3 SWING VALVE*SA - TOP LH BASE CYL | 3 | 0.25 | STD | 120 | 6x4 ST | 6x4 90 | 206126-04 | |
| 26 | C3 CONTROLS | 128238S | C3 SWING VALVE*SB - BOTTOM LH ROD E.CYL | 3 | 0.25 | STD | 120 | 6x4 ST | 6x4 90 | 206126-04 | |
| 27 | C3 CONTROLS | 128254S | C3 LIFT VALVE*CR- ROD E.CYL | 3 | 0.25 | STD | 175 | 6x4 ST | 6x4 90 | 206126-04 | |
| 28 | C3 CONTROLS | 128254S | C3 LIFT VALVE*CL - BASE CYL | 3 | 0.25 | STD | 175 | 6x4 ST | 6x4 90 | 206126-04 | |
| 29 | UNASSIGNED | | | | | | | | | | |
| 30 | UNASSIGNED | | | | | | | | | | |
| 31 | A & B HOSES | | | | | | | | | | |
| 32 | UNASSIGNED | | | | | | | | | | |
| 33 | UNASSIGNED | | | | | | | | | | |
| 34 | PROPEL | 205188-04S | PUMP*B RETURN - LH TUB RS | 7 | 0.75 | HP731 | 60 | 12x12 ST | 12x12 90 | 206128-04 | 64 |
| 35 | PROPEL | 205188-04S | DIF LOCK*A - TOP RR BULK HD TEE | 7 | 0.75 | HP731 | 60 | 12x12 ST | 12x12 90 | 206128-04 | 64 |
| 36 | PROPEL | 237665S | PUMP*B RETURN - MID RR BULK HD TEE | 7 | 0.75 | HP731 | 85 | 12x12 ST | 12x12 ST | 206128-04 | 89 |
| 37 | PROPEL | 241521-04S | PUMP*A PR - DIF LOCK*P | 7 | 1 | HP731 | 54 | 16x16 ST | 16x16 ST | 206128-04 | 58 |
| 38 | PROPEL | 241522-04S | DIF LOCK*B - RH TUB LS | 7 | 0.75 | HP731 | 144 | 12x12 ST | 12x12 45 | 206128-04 | 148 |
| 39 | PROPEL | 207871S | PROPEL PUMP*SUC - TANK FLTR | 1 | 1.25 | VAC | 87 | 20x20 ST | 20x20 90 | 148915-04 | 92 |
| 40 | A & B HOSES | | | | | | | | | | |
| 41 | PROPEL | 136292S | BTM RR BULK HD TEE - CD RETRUN MFLD | 7 | 0.75 | STD | 110 | 12x12 ST | 12x12 90 | 206127-04 | |

| 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | BRAKES | 129765S | HAND PMP*P - AUX PR MFLD | 4 | 0.375 | STD | 54 | 6x6 ST | 6x6 90 | 147462-04 | 58 |
| 43 | UNASSIGNED | | | | | | | | | | |
| 44 | UNASSIGNED | | | | | | | | | | |
| 45 | PROPEL | 99685S | HAND PMP*DL - DIF LOCK*PS | 4 | 0.375 | STD | 67 | 6x6 ST | 6x6 90 | 147462-04 | |
| 46 | PROPEL | 122761S | HAND PMP*T2 - DIF LOCK*L | 4 | 0.375 | STD | 71 | 6x6 ST | 6x6 90 | 147462-04 | |
| 47 | BRAKES | 208103S | HAND PMP*T1 - HYD TANK | 4 | 0.5 | STD | 95 | 8x8 ST | 8x8 90 | 147462-04 | 98 |
| 48 | C2 COD | 97800S | C2 COD VALVE - RH BASE CYL | 4 | 0.375 | STD | 60 | 6x6 ST | 6x6 ST | 147462-04 | |
| 49 | C2 COD | 123574S | C2 COD RETURN VALVE*T - RETURN MFLD | 4 | 0.375 | STD | 134 | 6x6 ST | 6x6 ST | 147462-04 | |
| 50 | C2 COD | 97833S | C2 COD PR VALVE*P - PR MFLD | 4 | 0.375 | STD | 129 | 6x6 ST | 6x6 ST | 147462-04 | |
| 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 | 130010S | C2 COD JUMP CYL - ROD E.CYL | 4 | 0.375 | STD | 80 | 6x6 ST | 6x6 90 | 147462-04 | 83 |
| 54 | A & B HOSES | | | | | | | | | | |
| 55 | STEERING | 231576S | STEER VALVE*T - AUX RETURN MFLD | 5 | 0.375 | STD | 144 | 6x6 ST | 6x6 LN 90 | 147462-04 | |
| 56 | STEERING | 97807S | STEER VALVE*P - AUX PR MFLD | 5 | 0.375 | STD | 140 | 6x6 ST | 6x6 90 | 147462-04 | |
| 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 & COOLER | 241520S | COOLER OUT - HYD TANK | 8 | 1.5 | VAC | 104 | 24x24 ST | 24x24 ST | 147464-04 | |
| 61 | AUX & COOLER | 239520S | COOLER IN - CD RETURN MFLD | 8 | 1.5 | VAC | 117 | 24x24 ST | 24x24 ST | 147464-04 | |
| 62 | AUX & COOLER | 132285S | AUX RETURN MFLD - TANK FLTR | 11 | 0.75 | STD | 84 | 12x12 ST | 12x12 90 | 206127-04 | 88 |
| 63 | AUX & COOLER | 237666S | AUX PUMP*SUC - TANK STRAINER | 1 | 2 | VAC | 28 | 32x32 ST | 32x32 90 | 224423-04 | |
| 64 | AUX & COOLER | 141426S | AUX PUMP*PR - HI PRES FLTR | 1 | 1 | STD | 80 | 16x16 ST | 16x16 90 | 206128-04 | |
| 65 | C1 DRIVE | 141428S | C1 PUMP*CD - CD RETURN MFLD | 1 | 0.75 | STD | 44 | 12x12 ST | 12x12 ST | 206127-04 | 48 |
| 66 | C2 DRIVE | 241517S | C2 PUMP*SUC - HYD TANK | 1 | 1.25 | VAC | 50 | 20x20 ST | 20x20 90 | 148915-04 | |
| 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 | 136063S | C2 DRIVE MTR*CD - CD RETURN MFLD | 8 | 0.75 | STD | 80 | 12x12 ST | 12x12 90 | 206127-04 | |
| 69 | C2 DRIVE | 241519S | C2 PUMP*A - DRIVE MTR*B | 8 | 1.25 | HP | 87 | 20x20 ST | 20x20 45 | 147464-04 | |
| 70 | C2 DRIVE | 241518S | C2 PUMP*B - DRIVE MTR*A | 8 | 1.25 | HP | 81 | 20x20 ST | 20x20 45 | 147464-04 | |
| 71 | C3 DRIVE | 120187S | C3 DRIVE MTR*CD - BTM BULK HD - HYD TANK | 9 | 0.75 | STD | 118 | 12x12 ST | 12x12ST | 206127-04 | 121 |
| 72 | PROPEL | 227315-04S | RR DRIVE LH MTR*A - TOP BULK HD TEE | 7 | 0.75 | HP731 | 36 | 12x12 ST | 12x12 90 | 206128-04 | 40 |
| 73 | PROPEL | 227315-04S | RR DRIVE RH MTR*B - TOP BULK HD TEE | 7 | 0.75 | HP731 | 36 | 12x12 ST | 12x12 90 | 206128-04 | 40 |
| 74 | PROPEL | 227315-04S | RR DRIVE LH MTR*B - MID BULK HD TEE | 7 | 0.75 | HP731 | 36 | 12x12 ST | 12x12 90 | 206128-04 | 40 |
| 75 | PROPEL | 227315-04S | RR DRIVE RH MTR*A - MID BULK HD TEE | 7 | 0.75 | HP731 | 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 | 131886S | C3 PUMP*SUC - HYD TANK | 1 | 1 | VAC | 105 | 16x16 ST | 16x16 90 | 206128-04 | |
| 79 | C1 DRIVE | 225148-04S | LH C1 PUMP*A RETURN - LH TUB LS | 6 | 0.75 | HP731 | 53 | 12x12 ST | 12x12 90 | 206128-04 | 57 |
| 80 | C1 DRIVE | 147381-04S | LH C1 PUMP*B PR - LH TUB LS TOP | 6 | 0.75 | HP731 | 26 | 12x12 ST | 12x12 90 | 206128-04 | 30 |
| 81 | C1 DRIVE | 201257-04S | RH C1 PUMP*B PR - RH TUB RS | 6 | 0.75 | HP731 | 99 | 12x12 ST | 12x12 90 | 206128-04 | 103 |
| 82 | C1 DRIVE | 237667S | RH C1 PUMP*A RETURN - RH TUB RS TOP | 6 | 0.75 | HP731 | 134 | 12x12 ST | 12x12 90 | 206128-04 | 138 |
| 83 | AUX & COOLER | 93323-04S | AUX PUMP*CD - HYD TANK | 1 | 0.75 | STD | 43 | 12x12 ST | 12x12 ST | 206127-04 | 47 |
| 84 | C1 DRIVE | 240252S | C1 PUMP*SUC - HYD TANK | 1 | 1.25 | VAC | 87 | 20x20 ST | 20x20 ST | 148915-04 | |
| 85 | C1 DRIVE | 145121S | LH C1 DRIVE MTR*CD - LH TUB RS - CD RETURN MFLD | 6 | 0.75 | STD | 64 | 12x12 ST | 12x12 ST | 206127-04 | 68 |
| 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 | |
| 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 | |
| 89 | C1 HOPPER | 223444S | VIBRATOR - T VALVE*T - OUT V.MTR | 10 | 0.25 | STD | 156 | 6x4 ST | 6x4 45 | 206126-04 | |
| 90 | C1 HOPPER | 201278S | D HOPPER VALVE*HL - RH ROD E.CYL | 10 | 0.25 | STD | 134 | 6x4 ST | 6x4 ST | 206126-04 | 137 |
| 91 | C1 HOPPER | 148505S | D HOPPER VALVE*HR - RH BASE CYL | 10 | 0.25 | STD | 128 | 6x4 ST | 6x4 ST | 206126-04 | 131 |
| 92 | C1 HOPPER | 209681S | D HOPPER VALVE*HR - LH BASE CYL | 10 | 0.25 | STD | 206 | 6x4 ST | 6x4 ST | 206126-04 | |
| 93 | C1 HOPPER | 93608-04S | D HOPPER VALVE*HL - LH ROD E.CYL | 10 | 0.25 | STD | 216 | 6x4 ST | 6x4 ST | 206126-04 | |
| 94 | C1 RAISE | 121672S | C1 HPR CTRLS MFLD*T - C1 LIFT VALVE*T | 10 | 0.5 | STD | 118 | 8x8 ST | 8x8 90 | 147462-04 | |
| 95 | C1 RAISE | 129981S | C1 HPR CTRLS MFLD*P - C1 LIFT VALVE*P | 10 | 0.375 | STD | 118 | 6x6 ST | 6x6 90 | 147462-04 | |

| 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 26 |
| 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 | 26 |
| 102 | PROPEL | 130210S | FR DRIVE LH MTR*CD - FR BULK HD TEE | 7 | 0.5 | STD | 46 | 8x8 ST | 8x8 90 | 147462-04 | 49 |
| 103 | PROPEL | 130210S | FR DRIVE RH MTR*CD - FR BULK HD TEE | 7 | 0.5 | STD | 46 | 8x8 ST | 8x8 90 | 147462-04 | 49 |
| 104 | PROPEL | 97852S | RR DRIVE LH MTR*CD* - BOT BULK HD TEE | 7 | 0.75 | STD | 40 | 12x12 ST | 12x12 90 | 206127-04 | 44 |
| 105 | PROPEL | 125617S | RR DRIVE RH MTR*CD - BOT BULK HD TEE | 7 | 0.75 | STD | 48 | 12x12 ST | 12x12 90 | 206127-04 | 52 |
| 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 | HP731 | 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 | HP731 | 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 | HP731 | 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 | HP731 | 168 | 12x12 ST | 12x12 ST | NO SLEEVE | 172 |
| 112 | PROPEL | 121330S | PROPEL PUMP*CD - CD RETURN MFLD | 1 | 0.75 | STD | 24 | 12x12 ST | 12x12 ST | 206127-04 | |
| 113 | ENGINE | 141428S | ENG OIL DR | 1 | 0.75 | STD | 44 | 12x12 ST | 12x12 ST | 206127-04 | 48 |
| 114 | BRAKES | 129391S | DYN BRAKE RH CALP - RR BULK HD TEE | 2 | 0.25 | STD | 30 | 4x4 ST | 6x4 ST | 206126-04 | 33 |
| 115 | BRAKES | 129391S | DYN BRAKE LH CALP - RR BULK HD TEE | 2 | 0.25 | STD | 30 | 4x4 ST | 6x4 ST | 206126-04 | 33 |
| 116 | UNASSIGNED | | | | | | | | | | |
| 117 | C3 DRIVE | 127788 | C3 DRIVE MTR*CD - BTM BULK HD | 9 | 0.75 | STD | 274 | 12x12 ST | 12x12 ST | NO SLEEVE | 278 |
| 118 | UNASSIGNED | | | | | | | | | | |
| 119 | UNASSIGNED | | | | | | | | | | |
| 120 | FUME-X | 133999S | FXS PUMP*PR - FXS VALVE*P | 1 | 0.5 | STD | 132 | 8x8 ST | 8x8 90 | 147462-04 | |
| 121 | UNASSIGNED | | | | | | | | | | |
| 122 | C3 CONTROLS | 93294-04S | C3 SWING TOP JUMPER CYL-CYL | 3 | 0.25 | STD | 42 | 6x4 ST | 6x4 90 | 206126-04 | 45 |
| 123 | C3 CONTROLS | 93294-04S | C3 SWING BOT JUMPER CYL-CYL | 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 | |
| 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 | 131338S | FXS C3 BULK HD*RETURN - HYD TANK | 11 | 0.75 | STD | 172 | 12x12 ST | 12x12 90 | 206127-04 | |
| 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 BULK HD RH - BASE CYL | 3 | 0.25 | STD | 52 | 6x4 ST | 6x4 90 | 206126-04 | 55 |
| 133 | C3 CONTROLS | 122295S | C3 COD BULK HD LH - ROD E.CYL | 3 | 0.25 | STD | 48 | 6x4 ST | 6x4 90 | 206126-04 | 51 |
| 134 | C3 CONTROLS | 130200S | C3 COD VALVE*CB - BULK HD RH | 3 | 0.25 | STD | 102 | 6x4 ST | 6x4 ST | 206126-04 | 105 |
| 135 | C3 CONTROLS | 130200S | C3 COD VALVE*CA - BULK HD 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 | |
| 137 | FLOWGATES | 241515S | FLOWGATE*P1 - C3 VALVE*P1 | 2 | 0.5 | STD | 21 | 8x8 ST | 8x8 LN 90 | 147462-04 | |
| 138 | C1 HOPPER | 93307-04S | C1 COD VALVE*CL - BASE CYL | 10 | 0.25 | STD | 77 | 6x4 ST | 6x4 ST | 206126-04 | |
| 139 | C1 HOPPER | 134013S | C1 COD VALVE*CR - ROD E.CYL | 10 | 0.25 | STD | 80 | 6x4 ST | 6x4 90 | 206126-04 | |
| 140 | BRAKES | 134487S | RR PARK BRAKE VALVE*B - MID BK HD TEE | 4 | 0.25 | STD | 114 | 6x4 ST | 6x4 90 | 206126-04 | |
| 141 | BRAKES | 120147S | RR RH PARK BRAKE - MID BULK HD TEE | 2 | 0.25 | STD | 45 | 6x4 ST | 6x4 ST | 206126-04 | 48 |
| 142 | BRAKES | 134196S | FR LH PARK BRAKE - FR BULK HD TEE | 2 | 0.25 | STD | 59 | 6x4 ST | 6x4 ST | 206126-04 | 62 |
| 143 | BRAKES | 120147S | RR LH PARK BRAKE - MID BULK HD TEE | 2 | 0.25 | STD | 45 | 6x4 ST | 6x4 ST | 206126-04 | 48 |
| 144 | BRAKES | 134196S | FR RH PARK BRAKE - FR BULK HD 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 | HP731 | 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 | HP731 | 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 | HP731 | 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 | HP731 | 96 | 12x12 ST | 12x12 ST | NO SLEEVE | 100 |

| 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | PROPEL | 201296-04 | FR DRIVE MTR'S*RETURN - LH TUB RS | 7 | 0.75 | HP731 | 96 | 12x12 ST | 12x12 ST | NO SLEEVE | 100 |
| 151 | PROPEL | 201296-04 | FR DRIVE MTR'S*PR - RH TUB LS | 7 | 0.75 | HP731 | 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 - BULK HD | | 0.75 | STD | 105 | 12x12 ST | 12x12 ST | NO SLEEVE | 109 |
| 162 | FUME-X | 141431 | FXS C3 MTR*RETURN - BULK HD | | 0.75 | STD | 112 | 12x12 ST | 12x12 ST | NO SLEEVE | 116 |
| 163 | FUME-X | 125140 | FXS C3 MTR*CD - BULK HD | 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 |
| 165 | FUME-X | 240257S | FXS VALVE*BL - RH TUB RS | 11 | 0.5 | STD | 18 | 8x8 ST | 8x8 LN 90 | 147462-04 | |
| 166 | PROPEL | 225606-04S | FR DRIVE LH MTR*B TOP - LH TUB RS | 7 | 0.75 | HP731 | 98 | 12x12 ST | 12x12 45 | 206128-04 | 103 |
| 167 | PROPEL | 225606-04S | FR DRIVE RH MTR*B BOT - RH TUB LS | 7 | 0.75 | HP731 | 98 | 12x12 ST | 12x12 45 | 206128-04 | 103 |
| 168 | PROPEL | 227317-04S | FR DRIVE RH MTR*A TOP - LH TUB RS | 7 | 0.75 | HP731 | 115 | 12x12 ST | 12x12 45 | 206128-04 | 120 |
| 169 | PROPEL | 227317-04S | FR DRIVE LH MTR*A BTM - RH TUB LS | 7 | 0.75 | HP731 | 115 | 12x12 ST | 12x12 45 | 206128-04 | 120 |
| 170 | AUX & COOLER | 130014S | AUX PR MFLD - HI PRES FLTR | 11 | 0.75 | STD | 28 | 12x12 ST | 12x12 90 | 206127-04 | |
| 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 | 93615-04S | FXS C1 MTR*CD - RH TUB MID - HYD TANK | 11 | 0.375 | STD | 170 | 6x6 ST | 6x6 LN 90 | 147462-04 | |
| 176 | FUME-X | 121361S | FXS C3 BLK HD*CD - HYD TANK | 11 | 0.375 | STD | 160 | 6x6 ST | 6x6 ST | 147462-04 | |
| 177 | UNASSIGNED | | | | | | | | | | |
| 178 | C1 PUSH ROLLER | 99660S | PUSH ROLLER VALVE*T - C1 LIFT VALVE*T1 | 10 | 0.5 | STD | 110 | 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 | 129716S | PUSH ROLLER VALVE - LH BASE CYL | 10 | 0.25 | STD | 115 | 6x4 ST | 6x4 ST | 206126-04 | |
| 181 | C1 PUSH ROLLER | 207850S | PUSH ROLLER VALVE - LH ROD E.CYL | 10 | 0.25 | STD | 130 | 6x4 ST | 6x4 ST | 206126-04 | |
| 182 | C1 PUSH ROLLER | 201302S | PUSH ROLLER VALVE - RH BASE CYL | 10 | 0.25 | STD | 208 | 6x4 ST | 6x4 ST | 206126-04 | |
| 183 | C1 PUSH ROLLER | 201279S | PUSH ROLLER VALVE - RH ROD E.CYL | 10 | 0.25 | STD | 220 | 6x4 ST | 6x4 ST | 206126-04 | |
| 184 | C1 RAISE | 215255 | VIBRATOR CD - LH TUB LS | 10 | 0.25 | STD | 98 | 6x4 ST | 6x4 ST | NO SLEEVE | 101 |
| 185 | C1 RAISE | 215256S | VIBRATOR CD - LH TUB LS - HYD TANK | 10 | 0.25 | STD | 87 | 6x4 ST | 6x4 ST | 206126-04 | 90 |
| 186 | C1 RAISE | 241512S | VBTR CD - BLK HD @ C1 LIFT MFLD BKT | 10 | 0.25 | STD | 248 | 4x4 ST | 6x4 ST | 206126-04 | |
| 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 | |
| 200 | GREASE LINE | 235579 | C1 FOOTSHAFT INNER BRNGS RH | | 0.25 | 919 | 64 | 4x4 ST | 4 x ZERK ST | NO SLEEVE | 67 |
| 201 | GREASE LINE | 235579 | C1 FOOTSHAFT INNER BRNGS LH | | 0.25 | 919 | 64 | 4x4 ST | 4 x ZERK ST | NO SLEEVE | 67 |
| 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 |

| 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. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 19A | FLOWGATES | 241526S | FLOWGATES VALVE*FB - LH TUB RS | 2 | 0.25 | STD | 13 | 6x4 ST | 6x4 ST | 206126-04 | |
| 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 | |
| 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 |
| 31B | BRAKES | 204038S | FR PARK BRAKE LH TUB LS - FR BULK HD TEE | 4 | 0.25 | STD | 80 | 6x4 ST | 6x4 45 | 206126-04 | 83 |
| 40A | PROPEL | 130411S | FR DRIVE*CD LH TUB RS - CD RETURN MFLD | 7 | 0.75 | STD | 70 | 12x12 ST | 12x12 ST | 206127-04 | 74 |
| 40B | PROPEL | 127141S | 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 | 241528S | L STEER VALVE*L - LH TUB LS | 5 | 0.375 | STD | 192 | 6x6 ST | 6x6 LN 90 | 147462-04 | |
| 54B | STEERING | 224375S | L STEER LH TUB LS - LH BASE CYL | 5 | 0.375 | STD | 96 | 6x6 ST | 6x6 45 | 147462-04 | 99 |
| 57A | STEERING | 241527S | R STEER VALVE*R - LH TUB RS | 5 | 0.375 | STD | 192 | 6x6 ST | 6x6 90 | 147462-04 | |
| 57B | STEERING | 224375S | R STEER LH TUB RS - RH BASE CYL | 5 | 0.375 | STD | 96 | 6x6 ST | 6x6 45 | 147462-04 | 99 |
| 96A | C1 RAISE | 136008S | C1 LIFT AUX RETURN MFLD - RH TUB LS | 5 | 0.5 | STD | 136 | 8x8 ST | 8x8 90 | 147462-04 | |
| 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 | 241514S | C1 LIFT AUX PR MFLD - RH TUB RS | 5 | 0.375 | STD | 134 | 6x6 ST | 6x6 LN 90 | 147462-04 | |
| 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 |
|---|---|---|---|
| | | | |
| | | | |
| | | | |

# DELETIONS FROM PREVIOUS KIT

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

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

MANUAL OVERRIDE
"B" "O" "A"

M5 M4 X1 X2 M3 PROPEL PUMP

M1

A FORWARD

6500 PSI

67.3 GPM MAX

20.9 GPM

350 PSI

2546 RPM
FULL LOAD

6.10 CID
100 CC

1.89 CID
31 CC

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
M2
B
L1,L2

REAR DRIVES

FRONT DRIVES

.040" ORIFICE

P (UP TO 55 GPM)

PS

L

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

# PROPEL CIRCUIT

REPLACES DWG #236381-01 EC #1803

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

| REV. | E.C.N. | DATE | REVISIONS | CH'G. BY | APPR. BY |
|---|---|---|---|---|---|
| A | | 11/2/11 | INCREASED THE PRESSURE OF C2 WAS 5300 | | JEH |
| B | | 1/26/12 | ADDED PRESSURE RELIEF TO C3 CONTROL MANIFOLD | | BL |

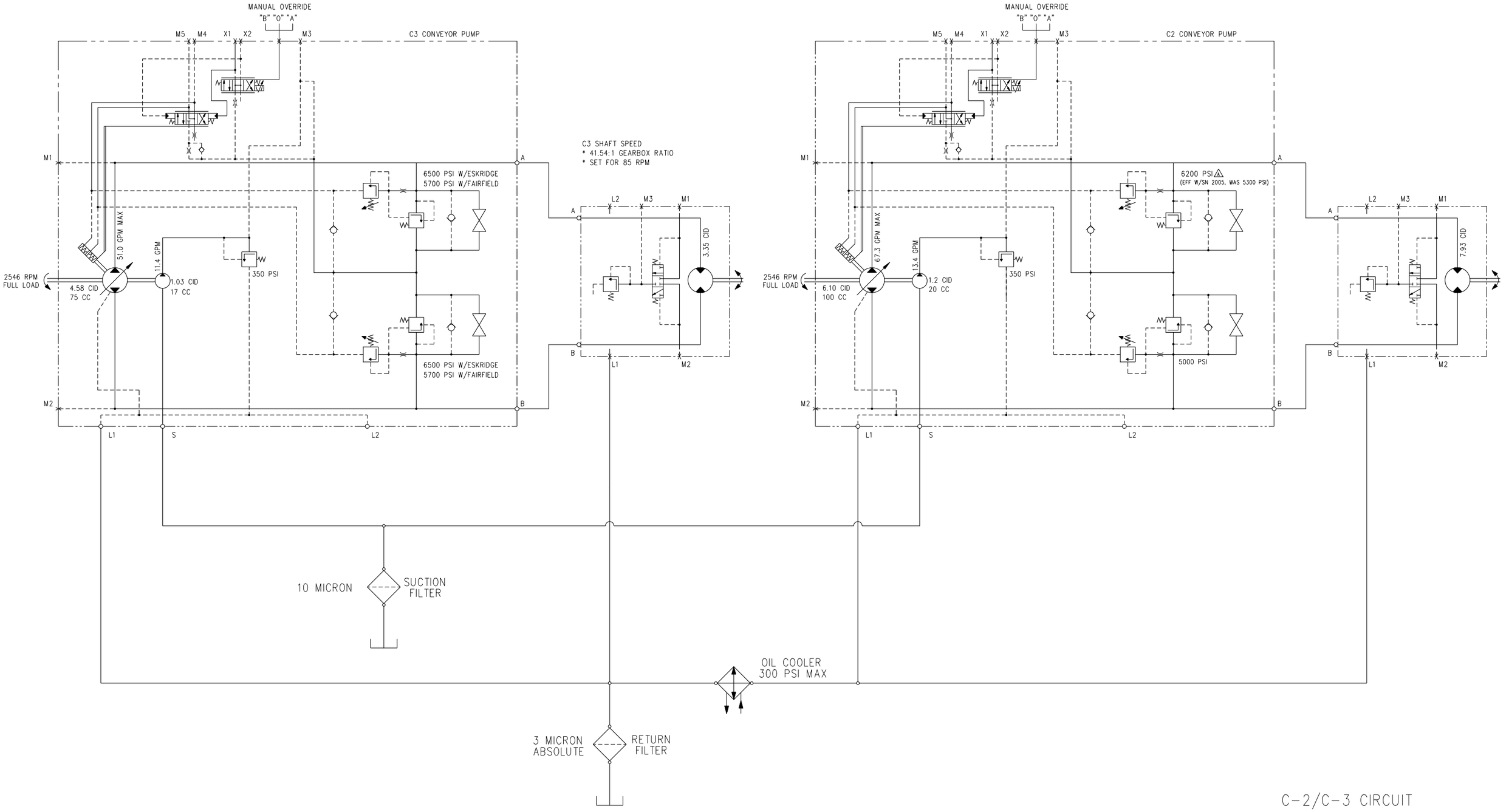
ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4

01 REQ'D PER 2500E | SHEET NO 1 of 6 | FAB CODE 615 | EFFECTIVE S/N 2004

DRAWN BY DPM | CHECKED BY

SCALE 3/4 | DATE 7/28/11 | DWG NO 240284-01 | REV. B



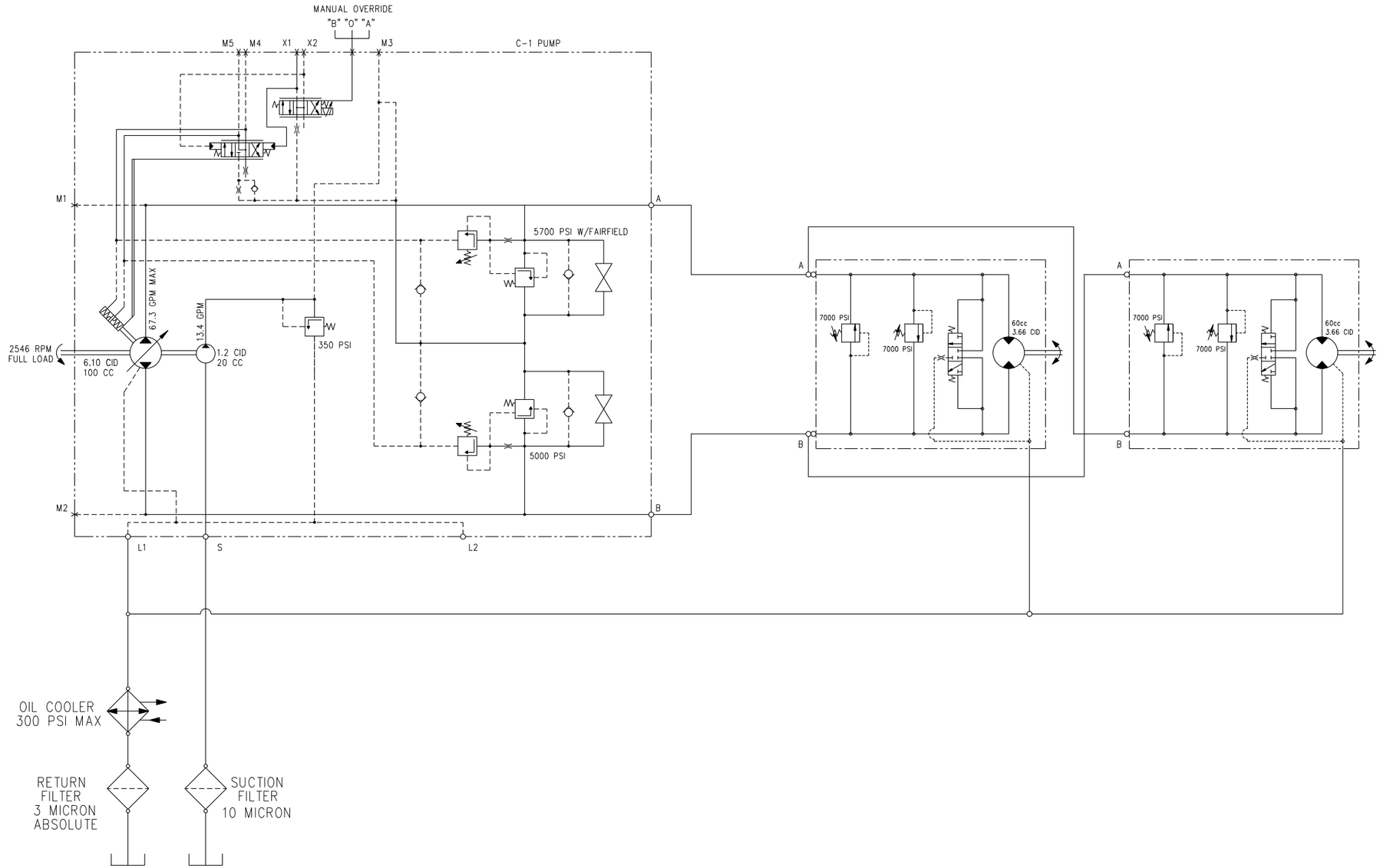

C-2/C-3 CIRCUIT

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

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

ROADTEC

| | | | |
|---|---|---|---|
| PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4 | | | |
| 01 REQ'D PER 2500E | SHEET NO: 2 of 6 | FAB CODE: 615 | EFFECTIVE S/N: 2004 |
| DRAWN BY: DPM | CHECKED BY: | | |
| SCALE: 3/4 | DATE: 7/28/11 | DWG NO: 240284-01 | REV: B |




C-1 CIRCUIT

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

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

ROADTEC

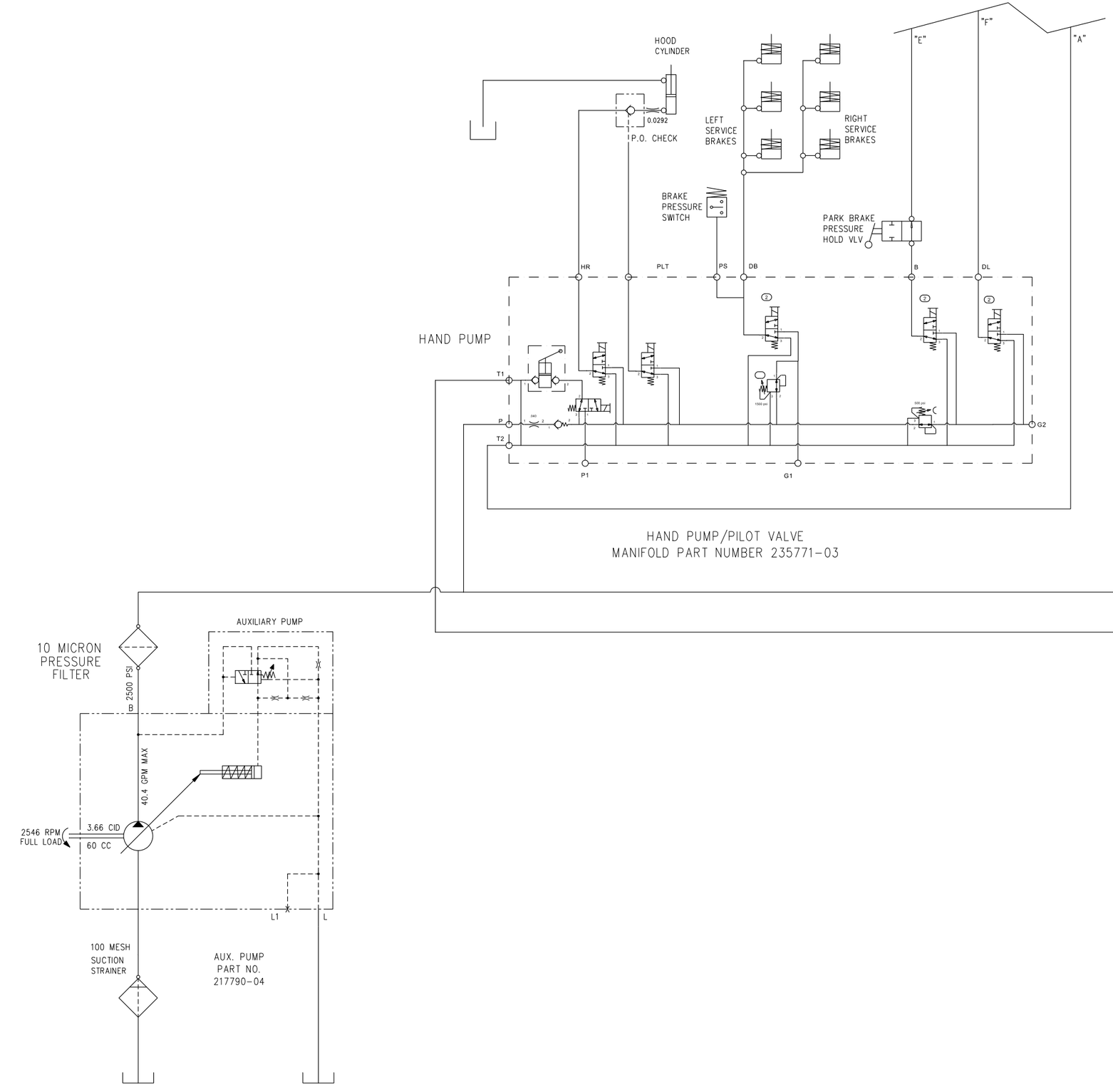
PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4

01 REQ'D PER 2500E | SHEET NO 3 of 6 | FAB CODE 615 | EFFECTIVE S/N 2004

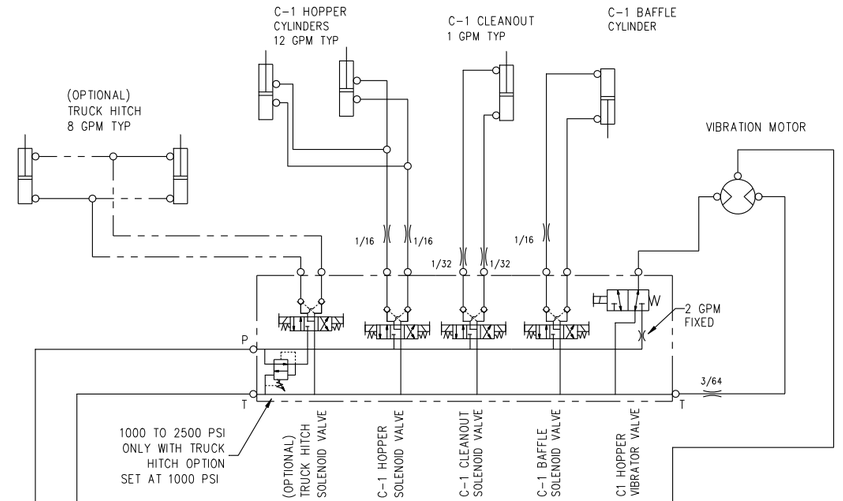
DRAWN BY DPM | CHECKED BY | DWG NO 240284-01 | REV. B

SCALE 3/4 | DATE 7/28/11

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"




AUX. PUMP
PART NO.
217790-04

AUXILIARY CIRCUIT

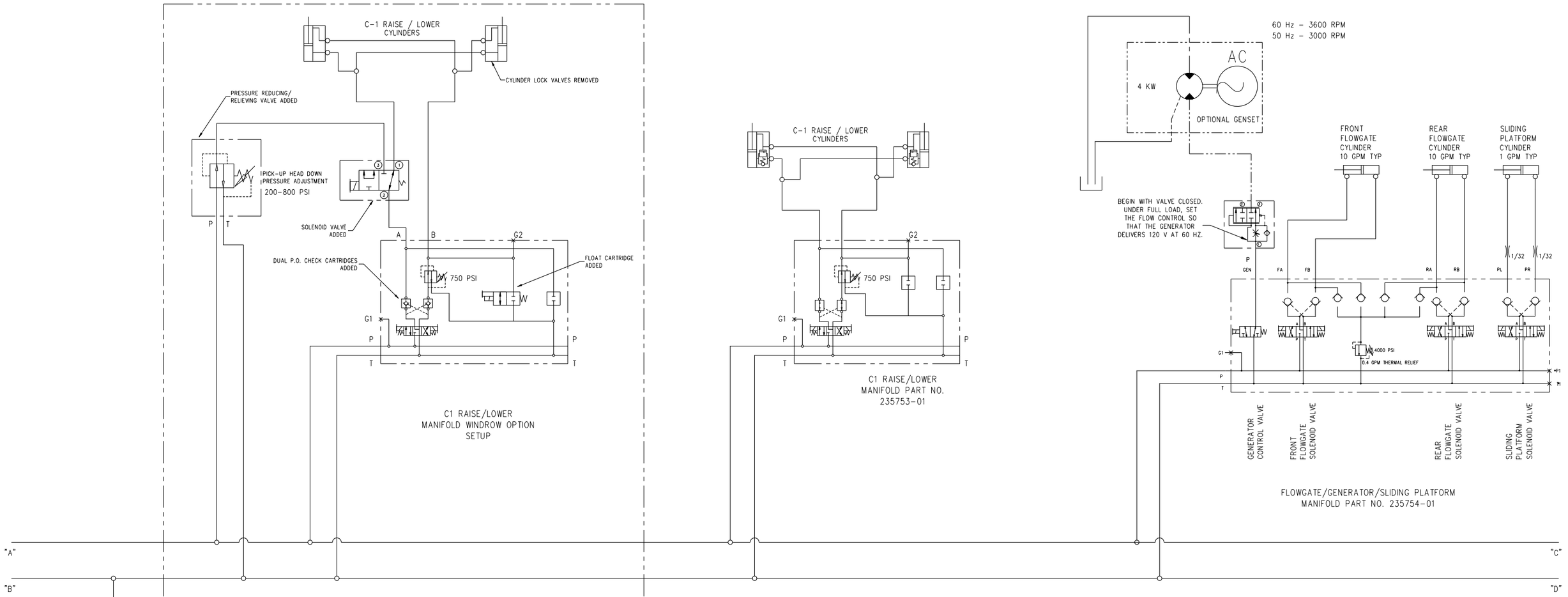
all fractional dim's 1/32" – all decimal dim's .005 unless noted

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

ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4

| | | | |
|---|---|---|---|
| 01 REQ'D PER 2500E | SHEET NO 4 of 6 | FAB CODE 615 | EFFECTIVE S/N 2004 |
| DRAWN BY DPM / CHECKED BY | | | |
| SCALE 3/4 / DATE 7/28/11 | DWG NO 240284-01 | | REV. B |




AUXILIARY CIRCUIT (CON'T)

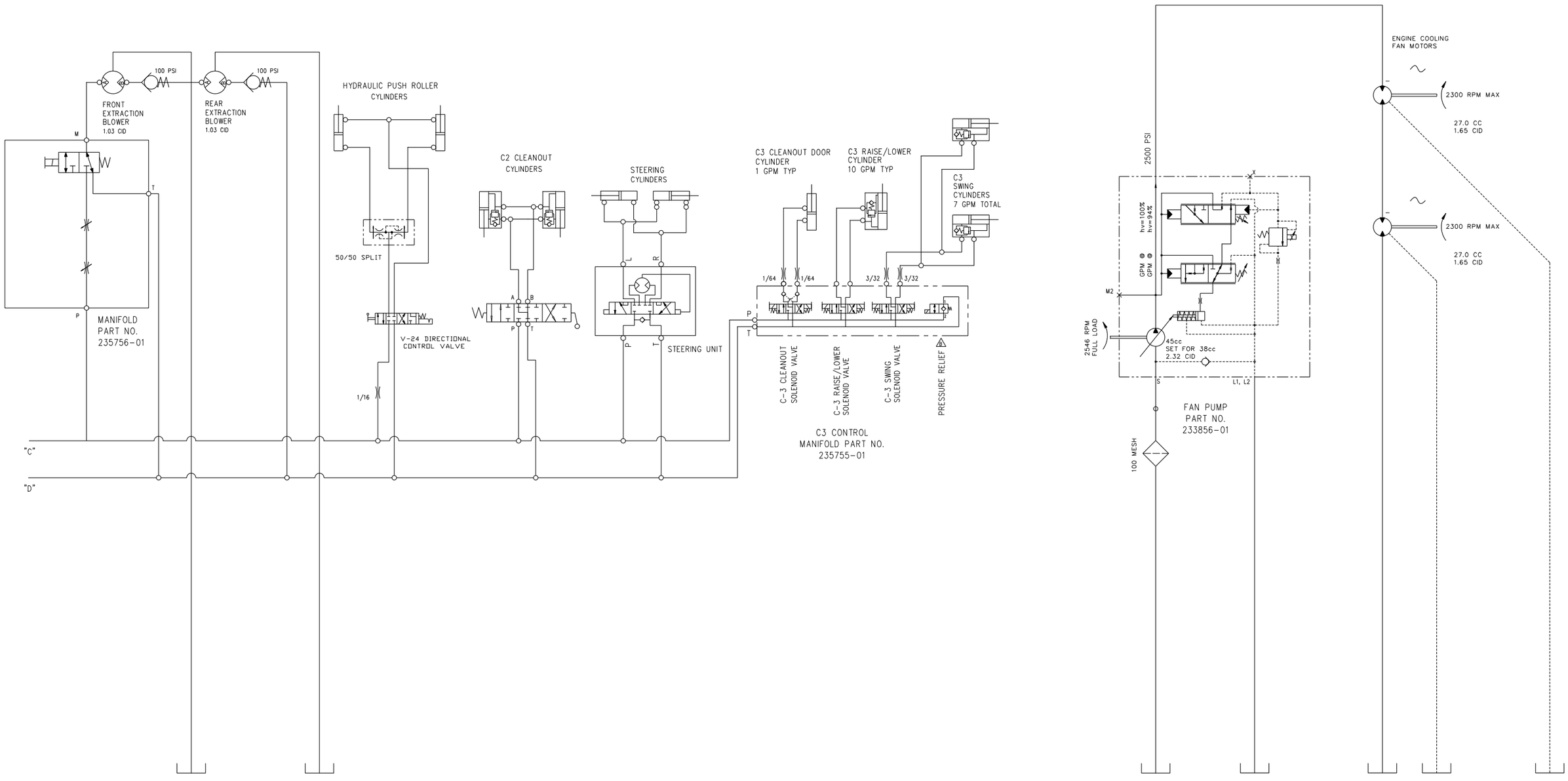
all fractional dim's 1/32" - all decimal dim's .005 unless noted

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

ROADTEC

PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4

| 01 REQ'D PER 2500E | SHEET NO | FAB CODE | EFFECTIVE S/N |
|---|---|---|---|
| DRAWN BY: DPM / CHECKED BY | 5 of 6 | 615 | 2004 |
| SCALE: 3/4 / DATE: 7/28/11 | DWG NO: 240284-01 | | REV: B |




AUXILIARY CIRCUIT (CON'T)/FXS CIRCUIT

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

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

ROADTEC

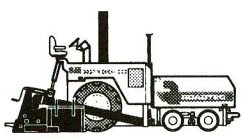
PART NAME: SCHEMATIC HYDRAULIC SB-2500E T4

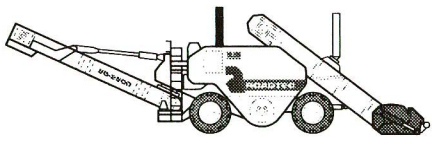
| 01 REQ'D PER 2500E | SHEET NO 6 of 6 | FAB CODE 615 | EFFECTIVE S/N 2004 |
|---|---|---|---|
| DRAWN BY DPM | CHECKED BY | DWG NO 240284-01 | REV. B |
| SCALE 3/4 | DATE 7/28/11 | | |

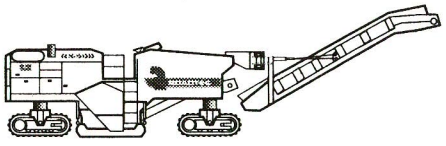
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







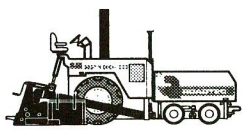
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

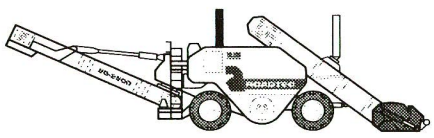
ROADTEC
an Astec Industries Company

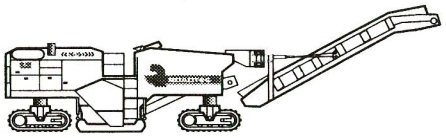
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

ROADTEC
an Astec Industries Company

# SECTION 6 : ELECTRICAL

NEXT PAGE

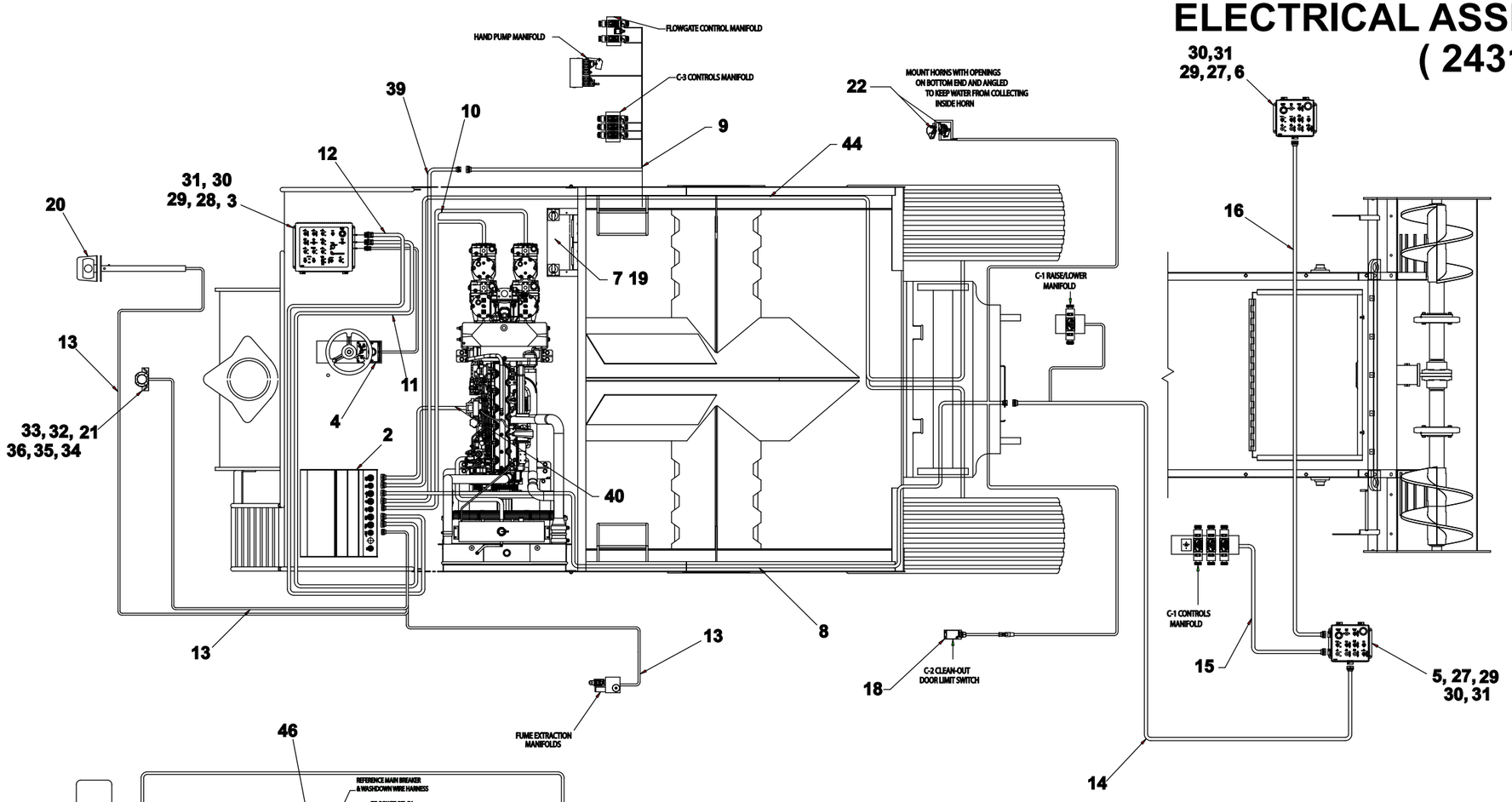

| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| ELECTRICAL | 243165-01 | 2013 & UP | 6.1 |
| CENTER CONSOLE | 236570-01 | | 6.5 |
| STEERING BOX | 236448-01 | | 6.11 |
| HARNESS, STEERING BOX CABLE 4 | 237059-01 | | 6.16 |
| HARNESS EXT'N., STEERING BOX CABLE 4 | 237352-03 | | 6.18 |
| HARNESS, STEERING BOX CABLE 4-1 | 236631-01 | | 6.20 |
| HARNESS EXT'N., STEERING BOX CABLE 4-1 | 237350-03 | | 6.22 |
| OPERATOR DRIVE CONSOLE | 237247-01 | | 6.25 |
| HARNESS, ROTARY POT. (OPERATOR DRIVE) | 214542-03 | | 6.28 |
| JOYSTICK | 237383-02 | | 6.30 |
| HARNESS, JOYSTICK | 230618-02 | | 6.32 |
| R.H. C-1 CONTROL BOX | 238331-01 | | 6.35 |
| L.H. C-1 CONTROL BOX | 238332-01 | | 6.39 |
| HARNESS, R.H. C-1 CONTROL BOX | 236689-01 | | 6.42 |
| HARNESS, (JUMPER) TO C-1 CONTROL BOX | 215509-01 | | 6.44 |
| HARNESS, C-1 CONTROL BOX CROSSOVER | 214222-01 | | 6.46 |
| HARNESS, PUMP | 214212-01 | | 6.48 |
| HARNESS, FXS, BEACON, BACK-UP, & BRAKE | 236429-02 | | 6.50 |
| HARNESS, SPEED SHIFT | 236686-02 | | 6.52 |
| HARNESS ,MAIN BREAKER & WASHDOWN | 203487-01 | | 6.54 |
| HARNESS, LIGHT, SLIDE PLATFORM & INDICATOR | 237012-01 | | 6.56 |
| HARNESS, VALVE STACK | 215513-02 | | 6.58 |
| HARNESS, C-1 VALVE STACK DIN PLUG | 236688-02 | | 6.60 |
| HARNESS, C-2 VALVE STACK | 236404-01 | | 6.62 |
| LIMIT SWITCH W/ WOBBLE LEVER | 214563-03 | | 6.65 |
| HARNESS, LIMIT SWITCH W/ WOBBLE LEVER | 214541-03 | | 6.66 |
| HARNESS, LIMIT SWITCH CLEAN-OUT | 214540-03 | | 6.68 |
| HARNESS, ENGINE | 236791-01 | | 6.70 |
| HARNESS, ENGINE GROUND | 219958-03 | | 6.72 |

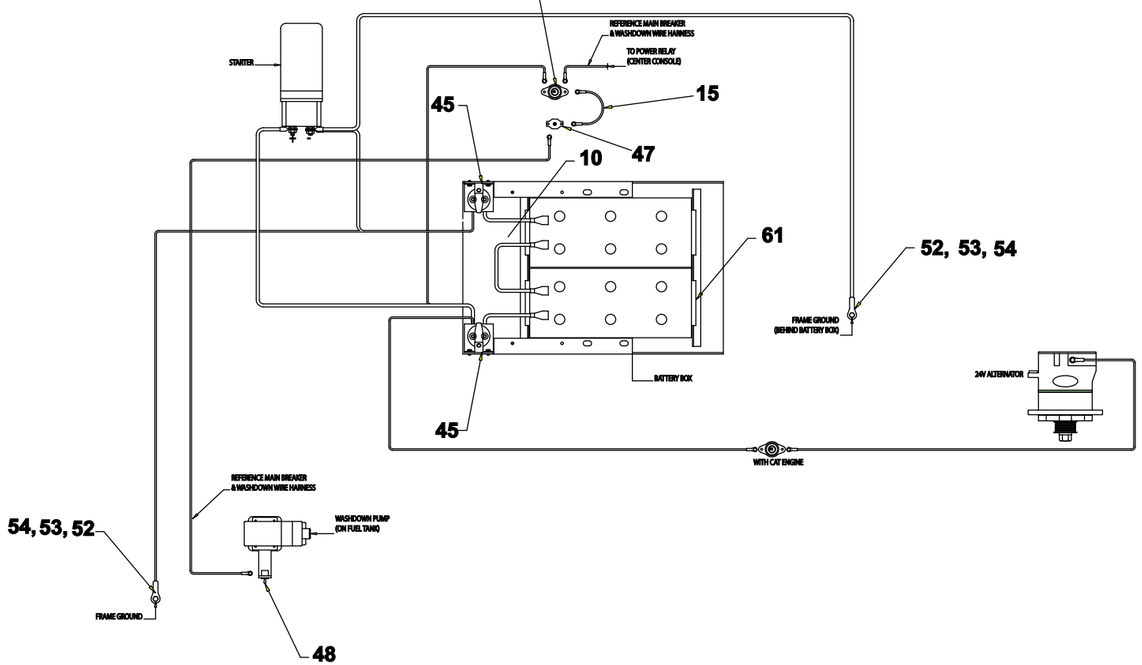
PREVIOUS PAGE

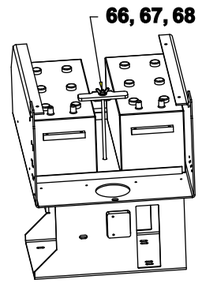
# SECTION 6 : ELECTRICAL

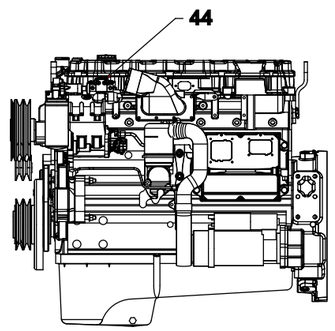

| ASSEMBLY | PART NO. | S/N | PAGE NO. |
|---|---|---|---|
| HARNESS, DATA LINK TEE | 237672-03 | | 6.74 |
| HARNESS, ALTERNATOR | 237252-03 | | 6.76 |
| HARNESS, 60 AMP BREAKER | 237251-03 | | 6.78 |
| HARNESS, CEM INTERFACE | 236789-02 | | 6.80 |
| SCHEMATIC | 236356-01 | | |

# ELECTRICAL ASSEMBLY, SB-2500eX
# ( 243165-01 )






ROADTEC
an Astec Industries Company

# ASSEMBLY, ELECTRICAL SB-2500eX
# ( 243165-01 )

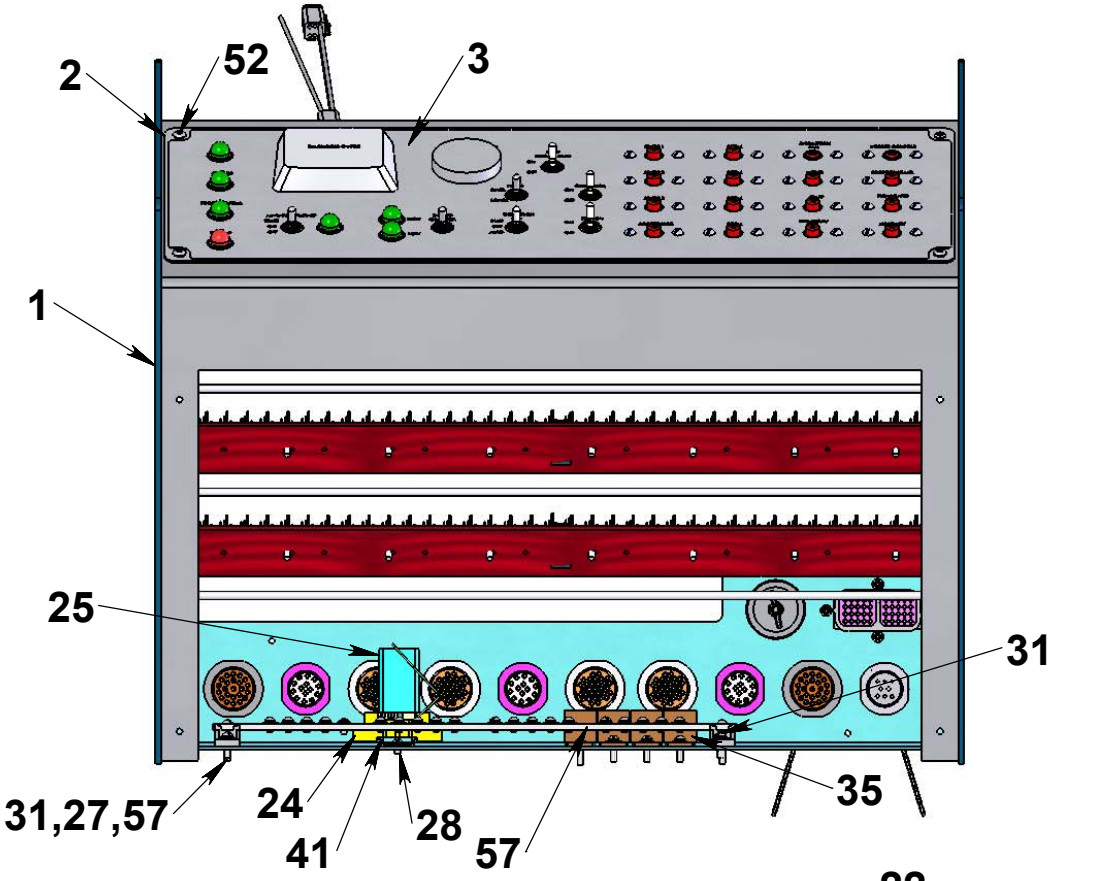
| ITEM | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 236356-01 | ELECTRICAL SCHEMATIC | 1 |
| 2 | 236570-01 | CENTER CONSOLE ELECTRICAL ASSEMBLY | 1 |
| 3 | SEE KIT | STEERING BOX ELECTRICAL ASSEMBLY | REF |
| 4 | 237247-02 | OPERATOR DRIVE CONSOLE ELECTRICAL | 1 |
| 5 | SEE KIT | RIGHT HAND 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 |

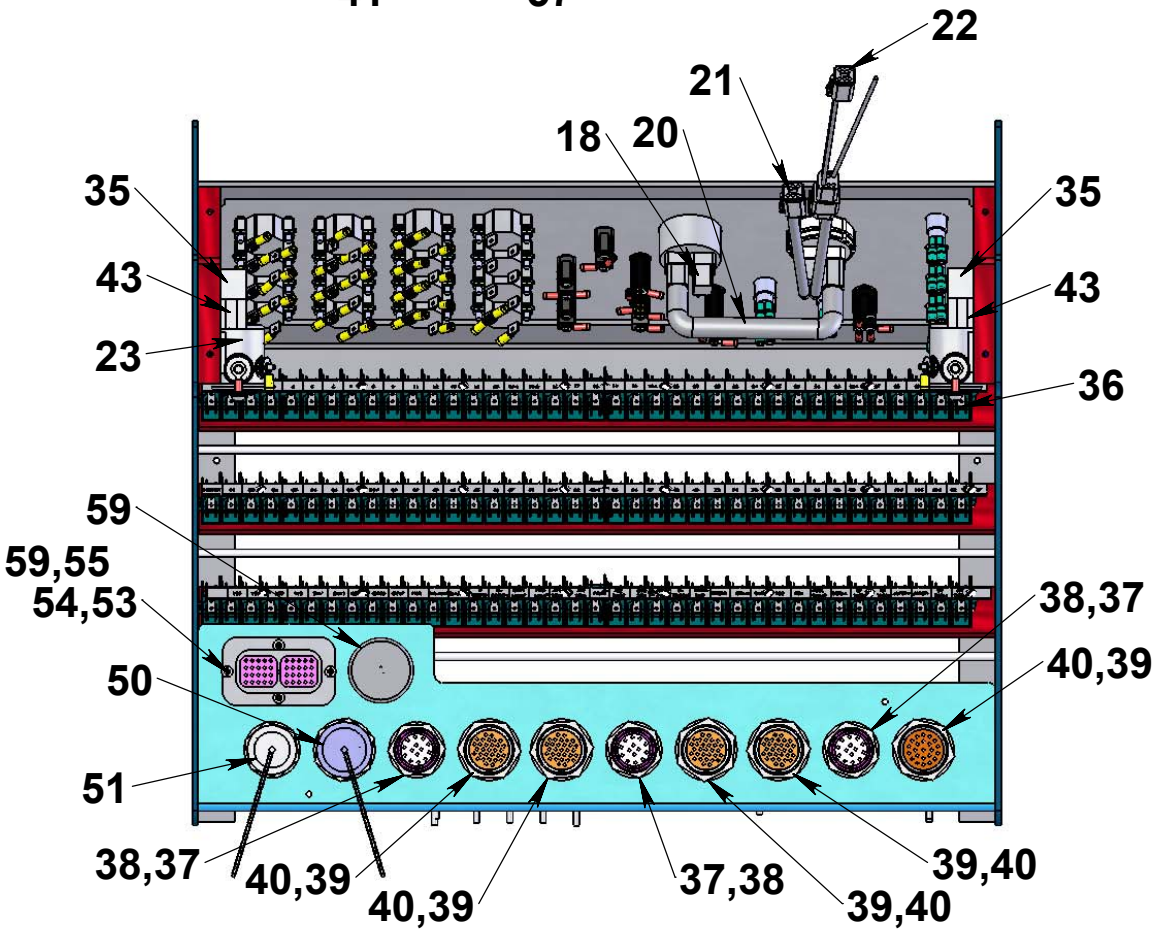
# ASSEMBLY, ELECTRICAL SB-2500eX
# ( 243165-01 )

| 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 | | | |
| 70 | | | |

# CENTER CONSOLE ELECTRICAL ASSEMBLY (236570-01)

NEXT PAGE

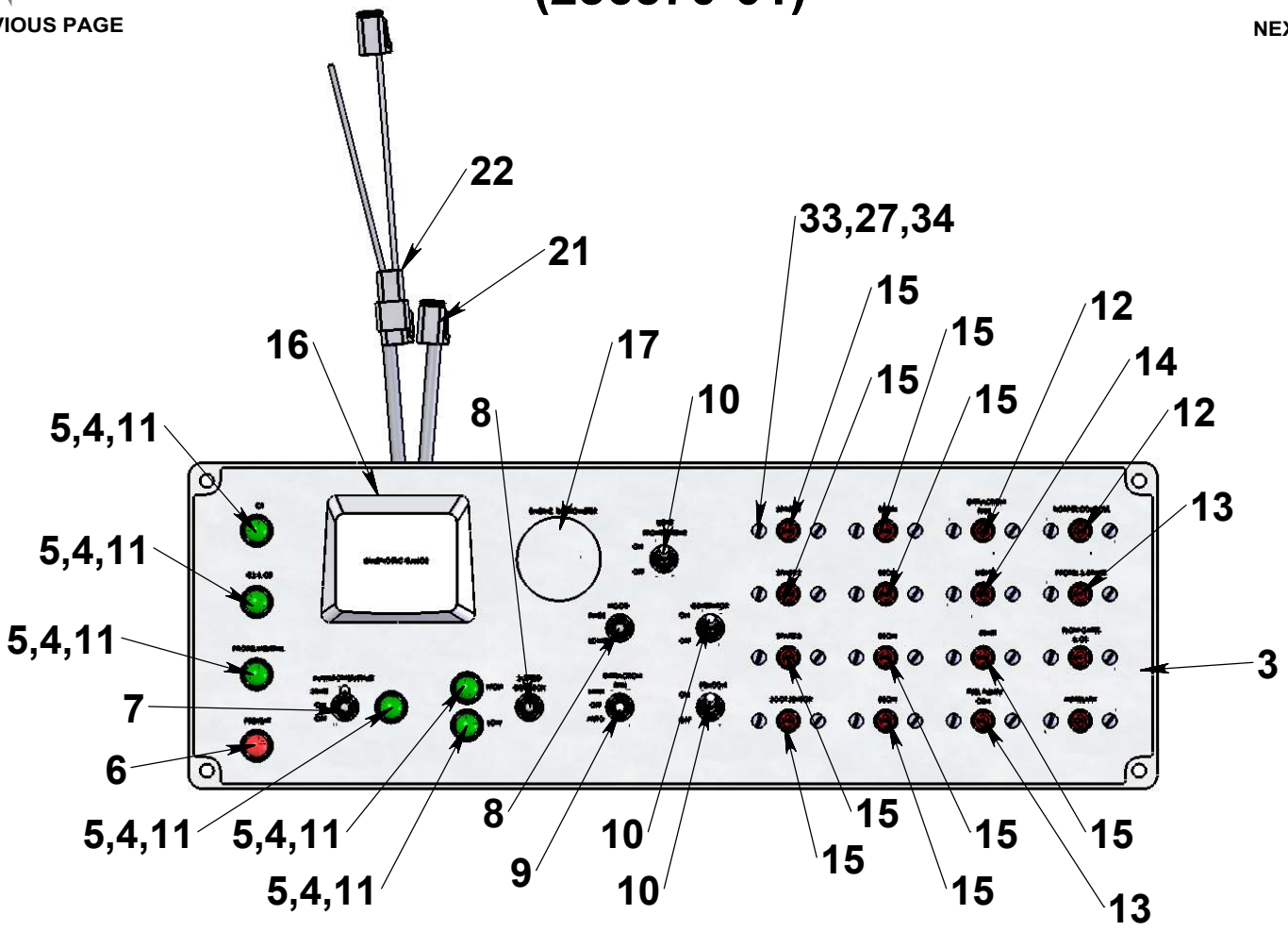


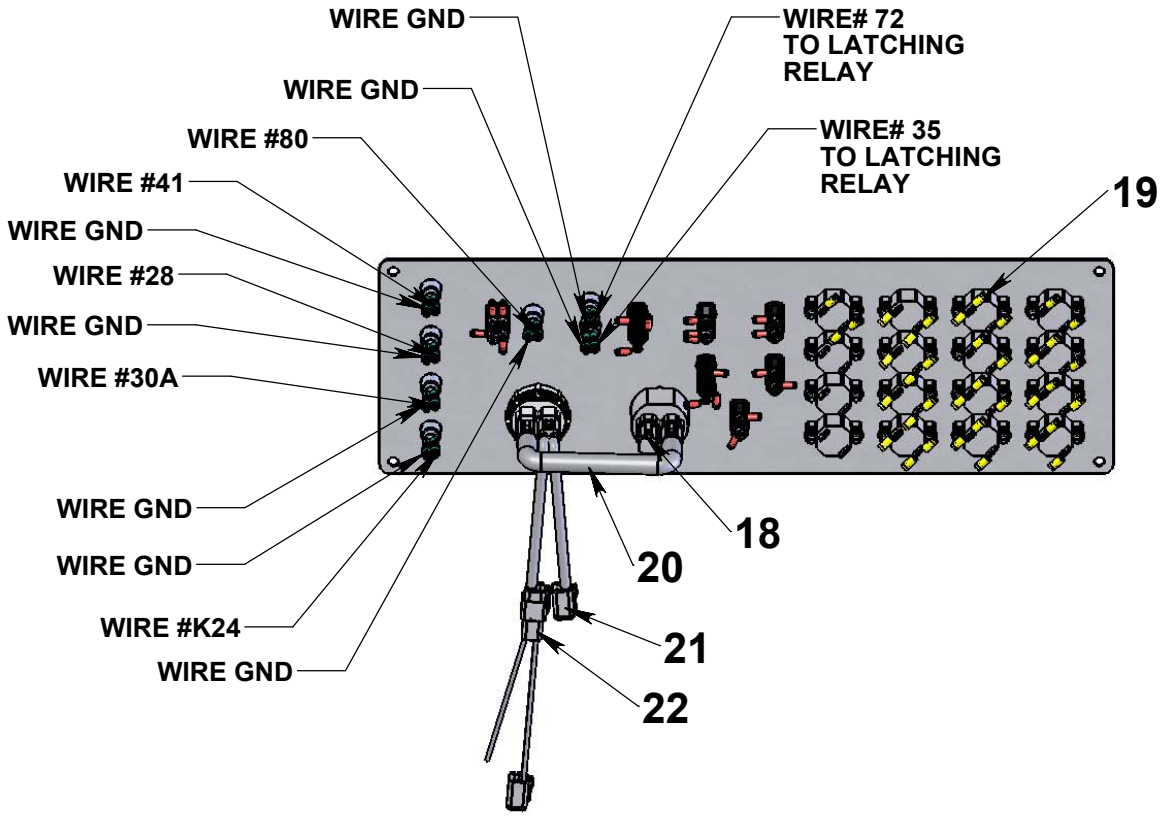



# CENTER CONSOLE ELECTRICAL ASSEMBLY (236570-01)

PREVIOUS PAGE

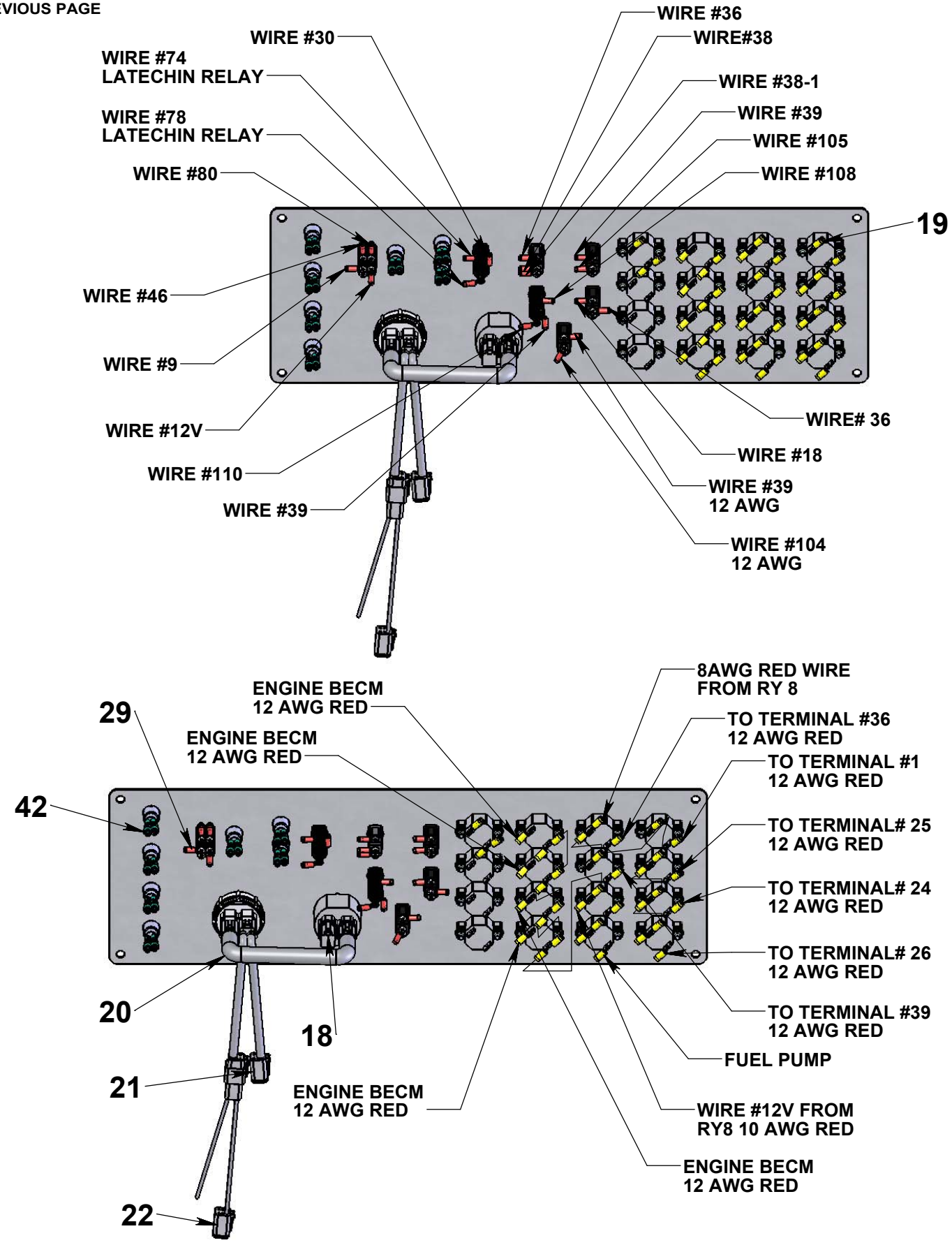
NEXT PAGE



# CENTER CONSOLE ELECTRICAL ASSEMBLY (236570-01)

PREVIOUS PAGE



# CENTER CONSOLE ELECTRICAL ASSEMBLY (236570-01)

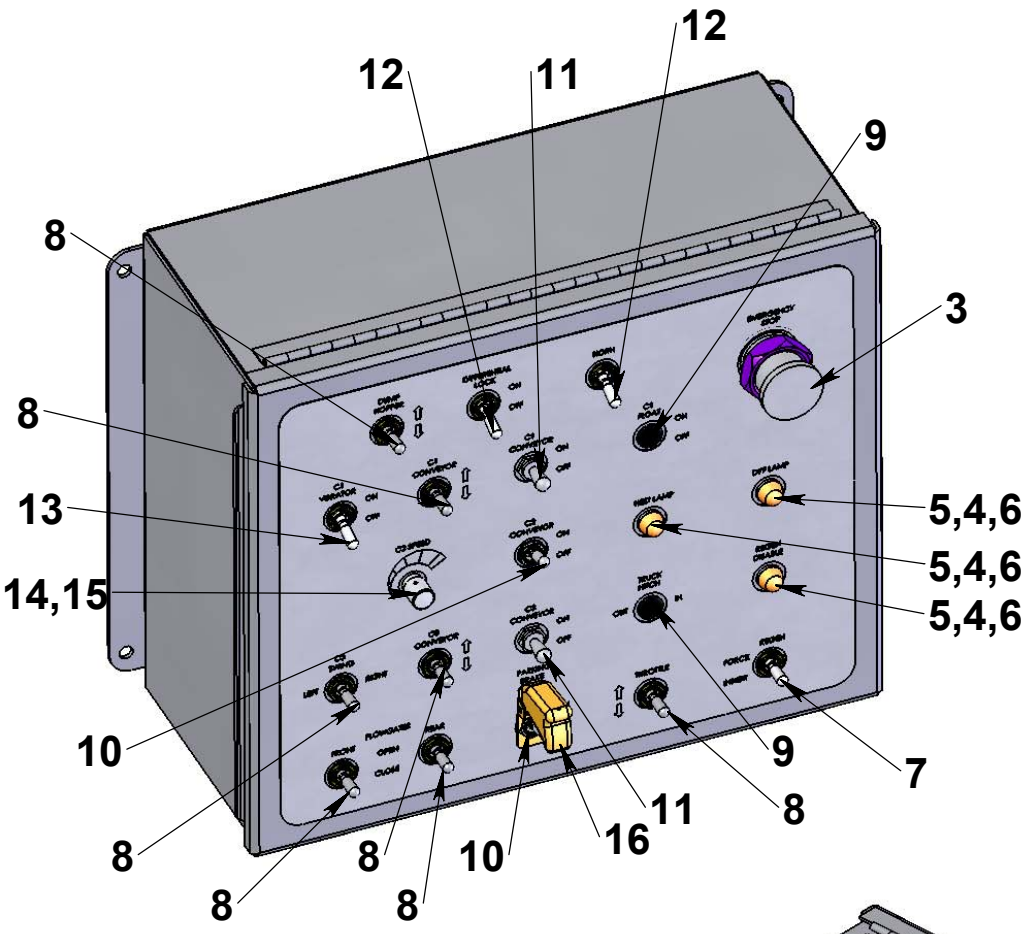
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 236779-01-01 | WELDMENT-CENTER CONSOLE | 1 |
| 2 | 236554-03 | CENTER CONSOLE COMPONENT PLATE | 1 |
| 3 | 236555-02 | DATA PLATE ~ CENTER CONSOLE | 1 |
| 4 | 80449-04 | LIGHT * SOCKET | 7 |
| 5 | 80445-04 | LIGHT * BULB 24 VOLT | 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 |
| 5,4,11 | 80448-04 | LIGHT * GREEN LENS | 6 |
| 12 | 90089 | BREAKER * CIRCUIT 20 AMP | 2 |
| 13 | 13A04 | BREAKER~CIRCUIT 15 AMP | 3 |
| 14 | 92523-04 | BREAKER * CIRCUIT 30 AMP | 2 |
| 15 | 90088 | BREAKER * CIRCUIT 10 AMP | 9 |
| 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 | 45 |
| 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 | 12 |
| 32 | 90103 | WASHER * LOCK #10 | 43 |
| 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 | 6 |
| 36 | 13C69 | ELEC * TERMINAL BLOCK | 117 |
| 37 | 211960-04 | ELEC * DEUTSCH NUT SHELL SIZE 18 | 4 |
| 38 | 211961-04 | DEUTSCH 18 SHELL METAL LOCKWASHER | 4 |
| 39 | 211963-04 | ELEC * 24 SHELL METAL LOCKWASHER | 6 |
| 40 | 211962-04 | ELEC * DEUTSCH NT SHELL SIZE 24 | 6 |
| 41 | 236570-01-1 | DIN RAIL x 4" | 1 |
| 42 | 121538 | WIRE * INSULATED FEMALE CONNECTOR | 14 |
| 43 | 231166-04 | ELEC * RELAY CONNECTOR HARNESS MOUN | 6 |
| 44 | 138601-03 | DECAL * ALUM NUMBER STICKERS | 1 |
| 45 | 214266-04 | DECAL KIT * DEUTSCH PLUGS | 1 |

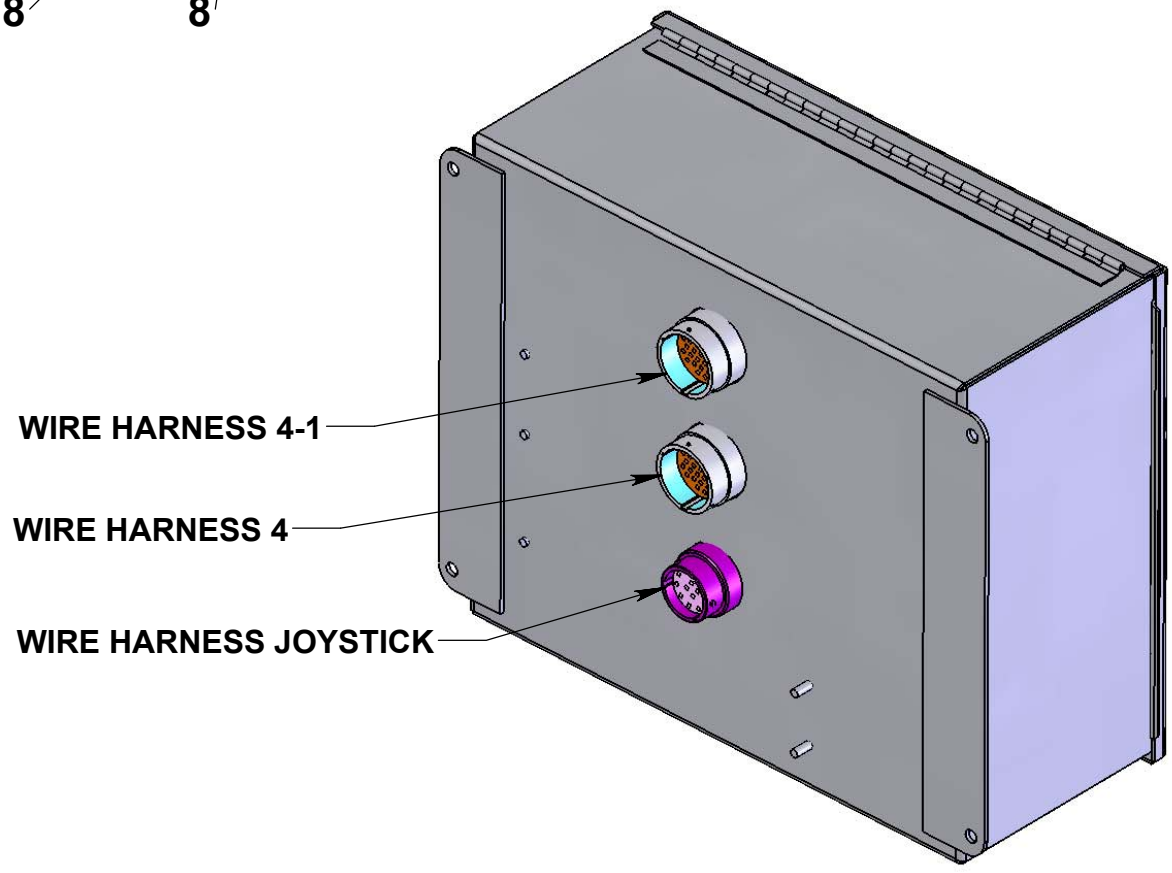
# CENTER CONSOLE ELECTRICAL ASSEMBLY (236570-01)

| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 46 | 93988 | WIRE * TERMINAL 5/16 RING 10 AWG | 4 |
| 47 | 236570-01-4 | WIRE ~ 10 AWG RED x 96" | 1 |
| 48 | 236570-01-5 | WIRE TIE ~ 3/16 x 4 (57 EACH) | 1 |
| 49 | 236570-01-6 | WIRE TIE ~ 3/16 x 5 1/2 (43 EACH) | 1 |
| 50 | 221687-04 | DEUTSCH CAP SIZE 24 | 1 |
| 51 | 212815-04 | ELEC * CAP DEUTSCH SIZE 18 METAL | 1 |
| 52 | 132173-04 | SCREW 1/4-20 X 5/8 B.HEAD STAINLESS | 4 |
| 53 | 06996 | SCREW * M3-0.5 X 20 5.8 84 SLOT HD. | 4 |
| 54 | 92554 | WASHER * FLAT #6 | 8 |
| 55 | 131551 | WASHER * LOCK #6 | 4 |
| 56 | 04762 | NUT * M3-0.5 GD.8 934 HEX | 4 |
| 57 | 218957-04 | PART * GROUNDING BAR | 1 |
| 58 | 236818-02 | DATA PLATE KIT ~ TERMINAL ID STRIPS | 1 |
| 59 | 226104-04 | PLUG * 11/4" COND HOLE TIGHT HOLE SEAL | 1 |

# ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

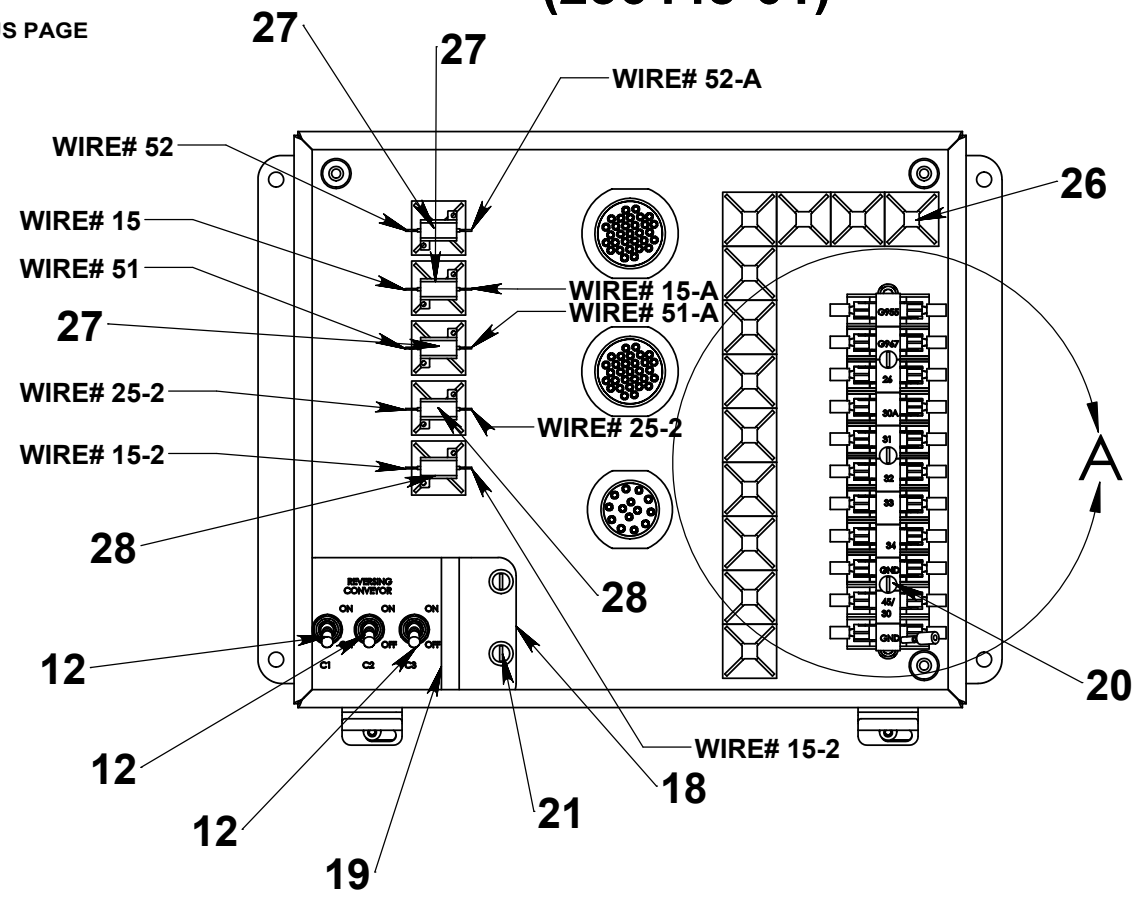
NEXT PAGE

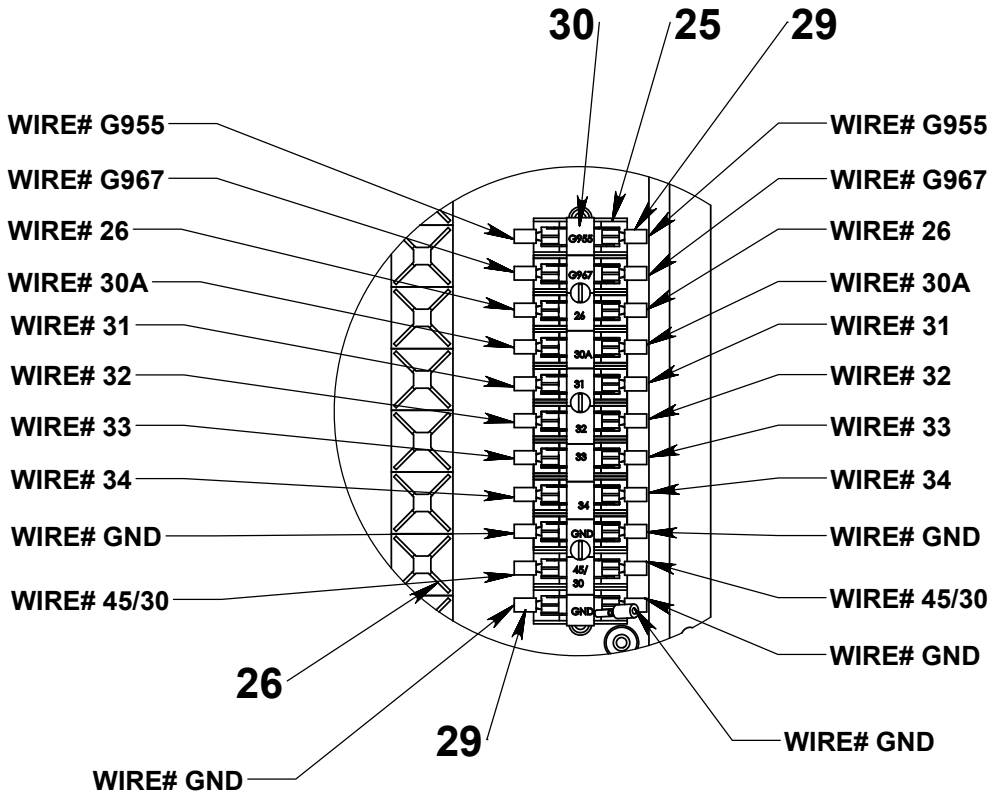


# ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)





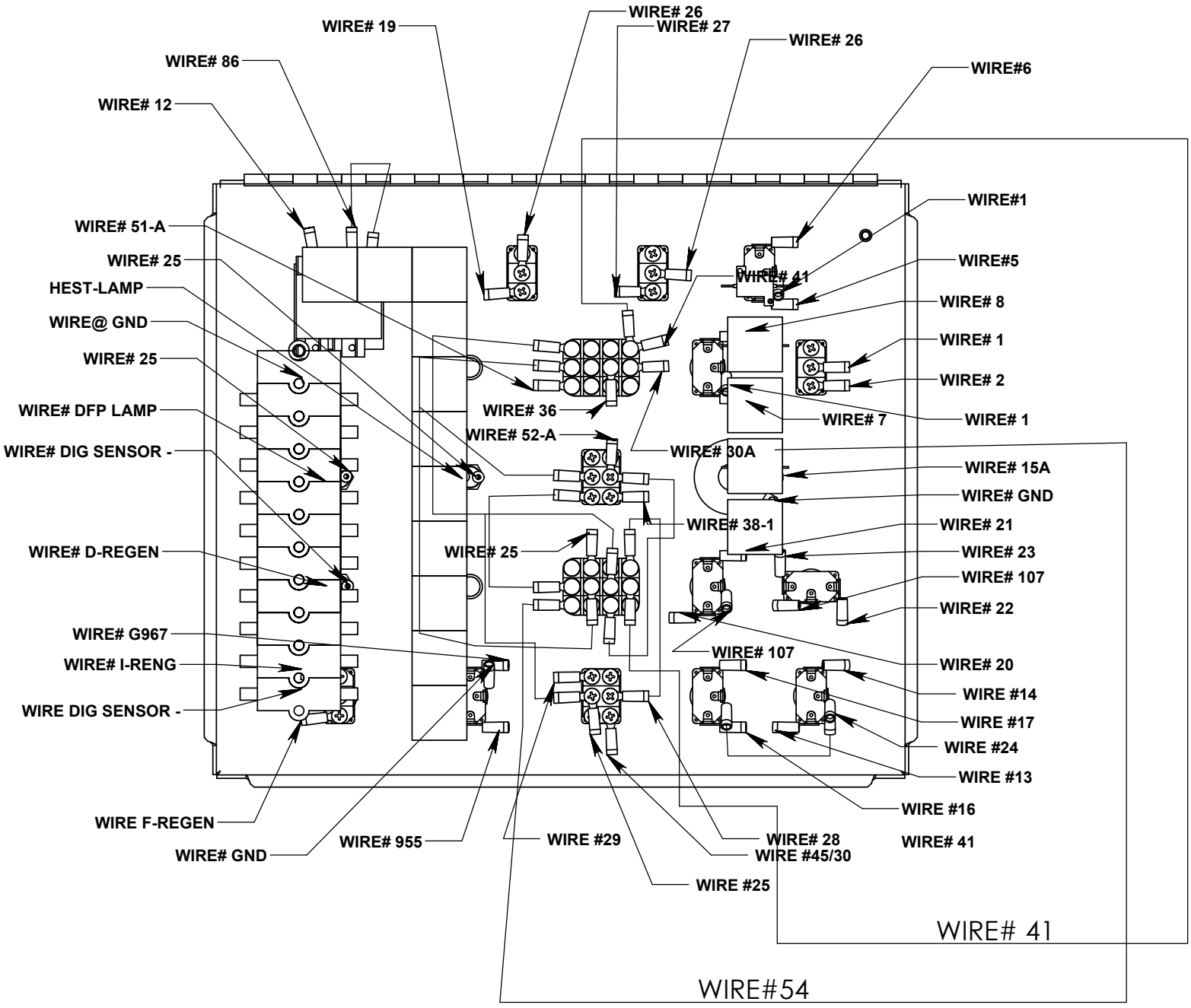

DETAIL A
SCALE 1 : 3.5



ROADTEC
an Astec Industries Company

# ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

PREVIOUS PAGE



# ASSEMBLY ~ ELECTRICAL STEERING BOX (236448-01)

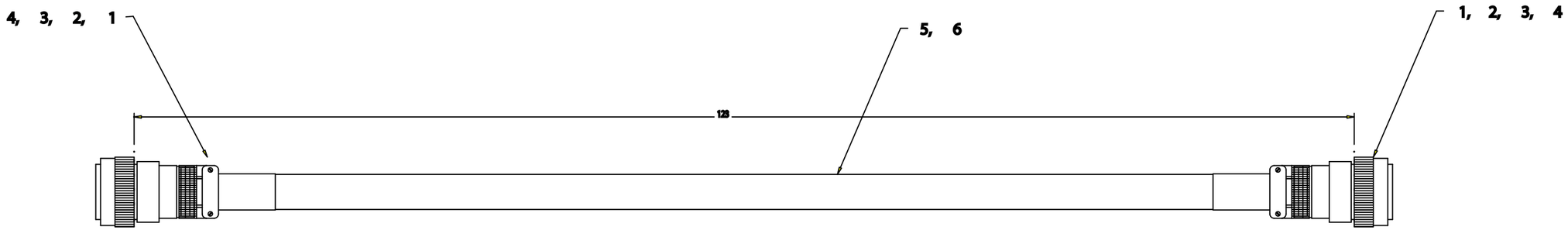
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 236446-01 | STEERING CONTROL BOX | 1 |
| 2 | 236447-02 | DATA PLATE ~ STEERING CONTROL BOX | 1 |
| 3 | 224184-04 | ELEC * ILLUMINATED E-STOP | 1 |
| 4 | 133678 | LIGHT * SERIES 177 BASE | 3 |
| 5 | 133680 | LIGHT * SERIES 177 AMBER 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 )

| 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 |

**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 | | | |



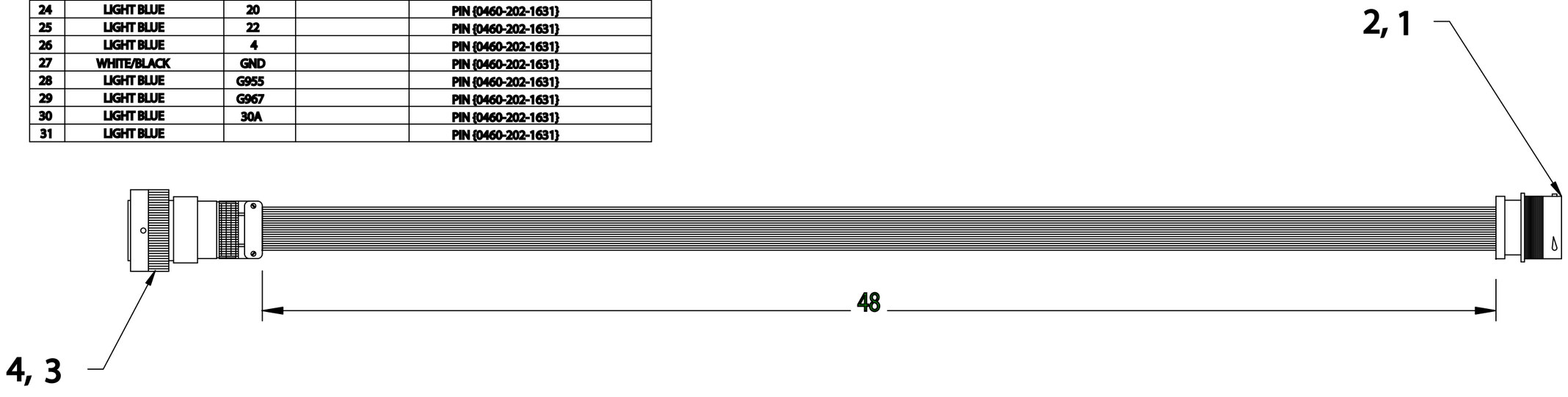

**THIS DWG MATES WITH 230625-03**

# 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} |

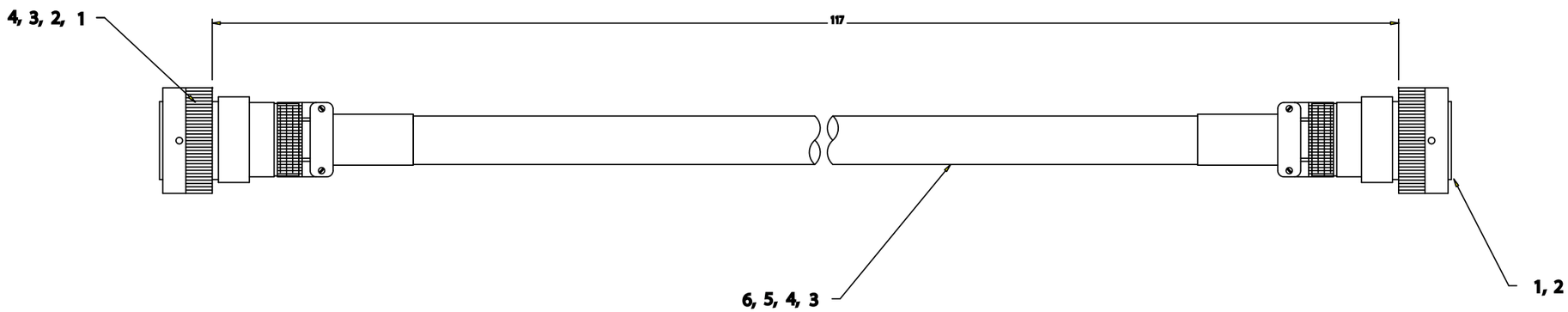


# HARNESS- STEERING BOX CABLE 4-1
# ( 236631-01 )

## 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" |



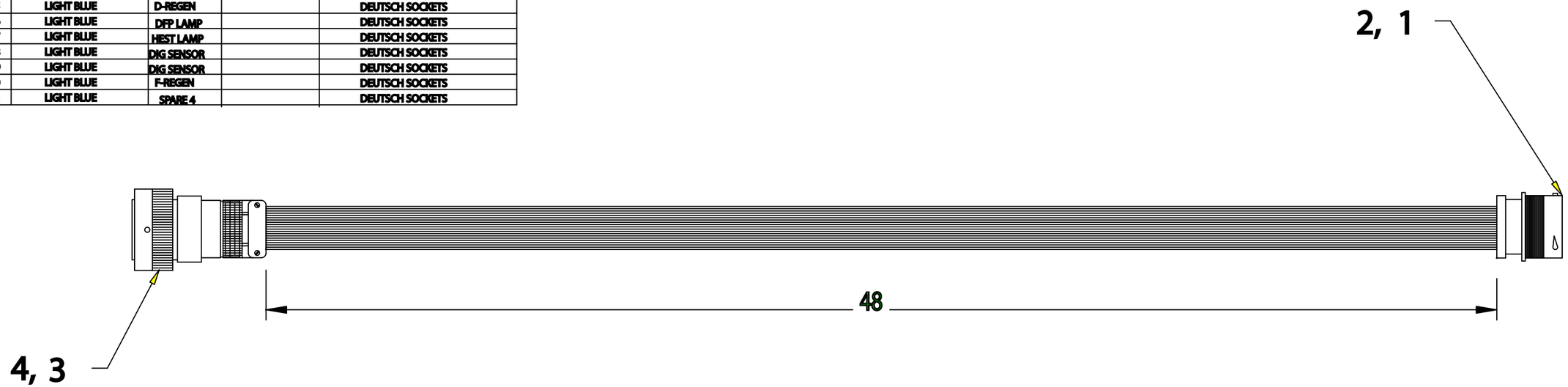

16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

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

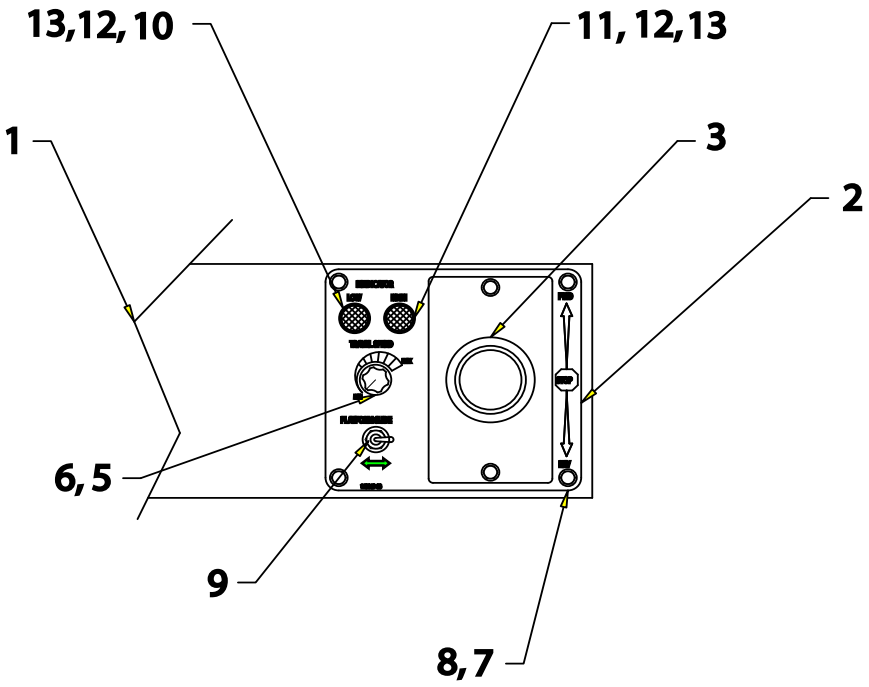
| ITEM | IDENT | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 211958-04 | DEUTSCH ~ 31 PIN RECEPTACLE | 1 |
| 2 | 133746-04 | DEUTSCH 16-18 AWG SOCKETS | 31 |
| 3 | 211959-04 | PLUG ~ 31 WAY DEUTSCH | 1 |
| 4 | 137176-04 | PINS CONNECTOR ~ 16 AWG | 31 |
| 5 | | WIRE 16 AWG WHITE/BLACK (126-16800-5000-90) | 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 |

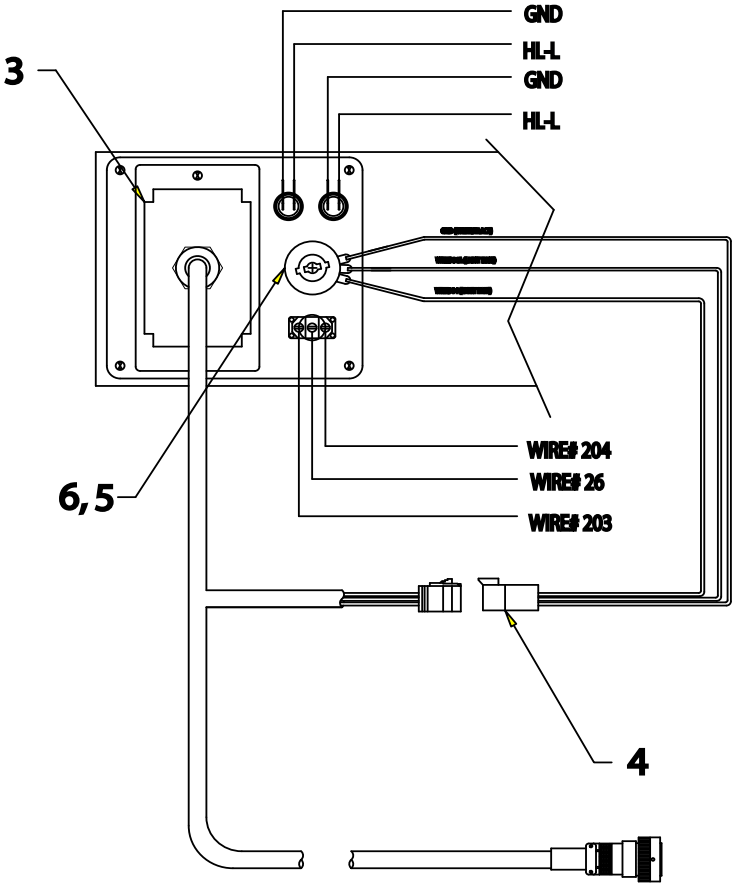
## 31 PIN LAY-OUT

| 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 )



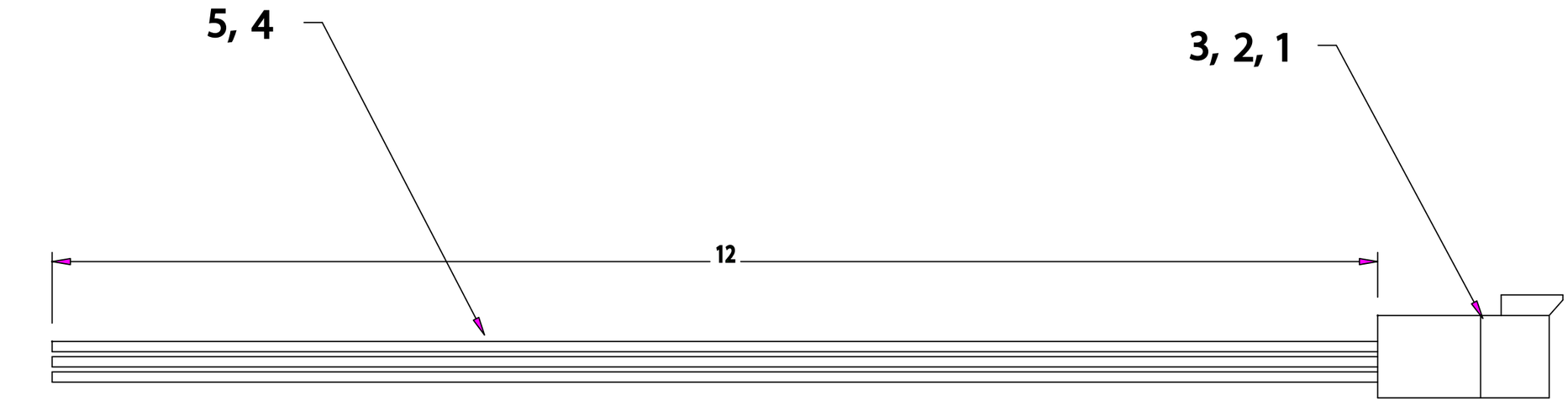



# OPERATOR DRIVE CONSOLE ASSEMBLY
# ( 237247-01 )

| 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 |

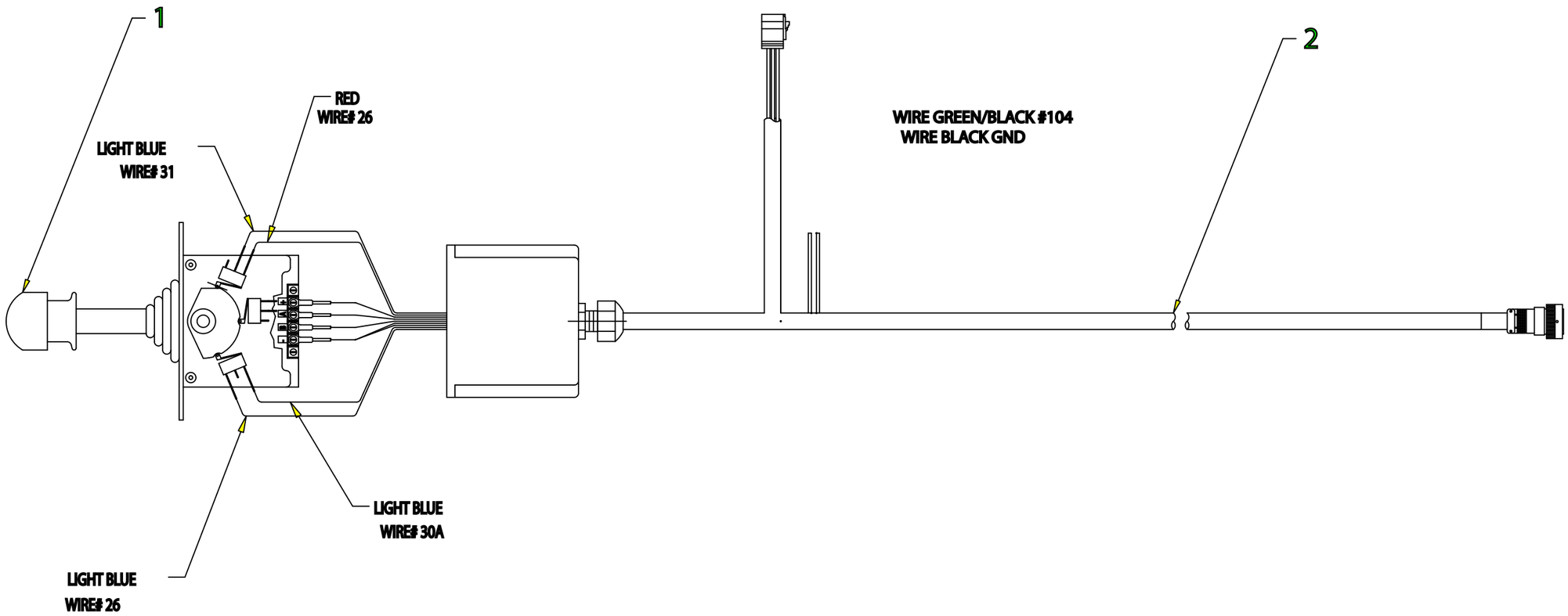
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL



ROADTEC
an Astec Industries Company

# 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 |

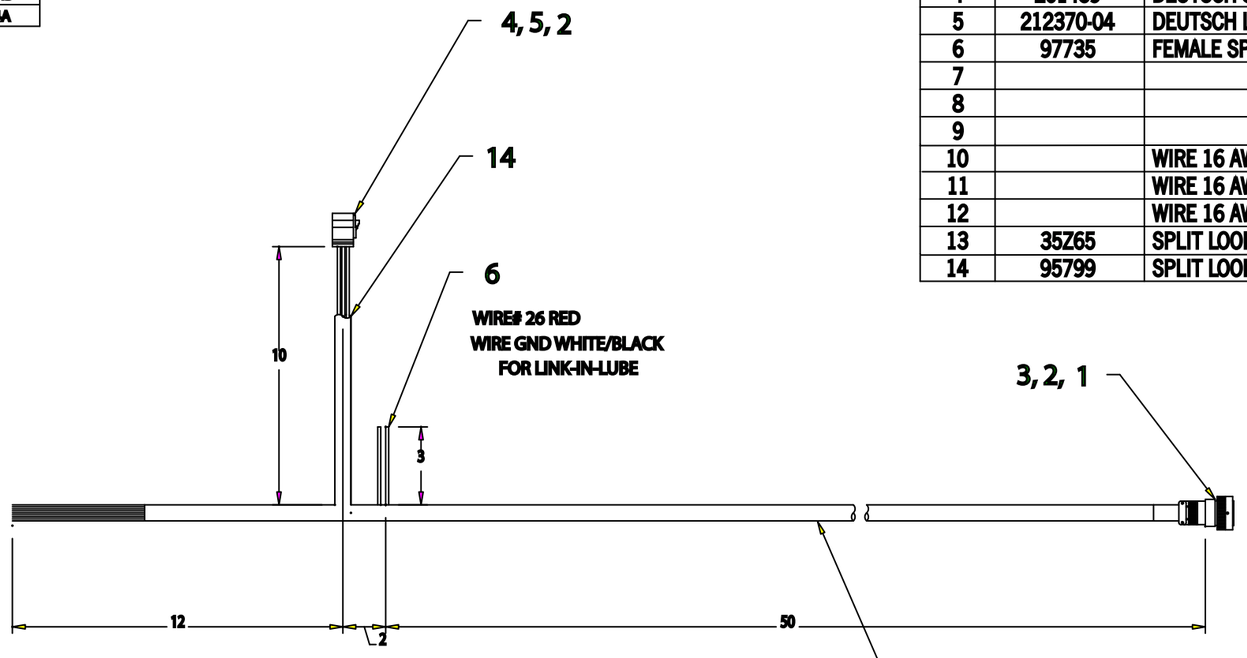
**NOTE: WHITE/BLACK GROUND JUMP TO 3 PIN DUTSCH (PIN B)**
**NOTE: BLUE/WHITE GROUND TO 3 PIN DUTSCH (PIN C)**

# 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 |

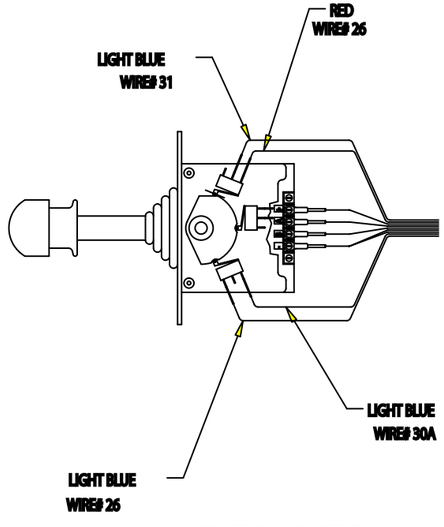
### 3 PIN DEUTSCH

| 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

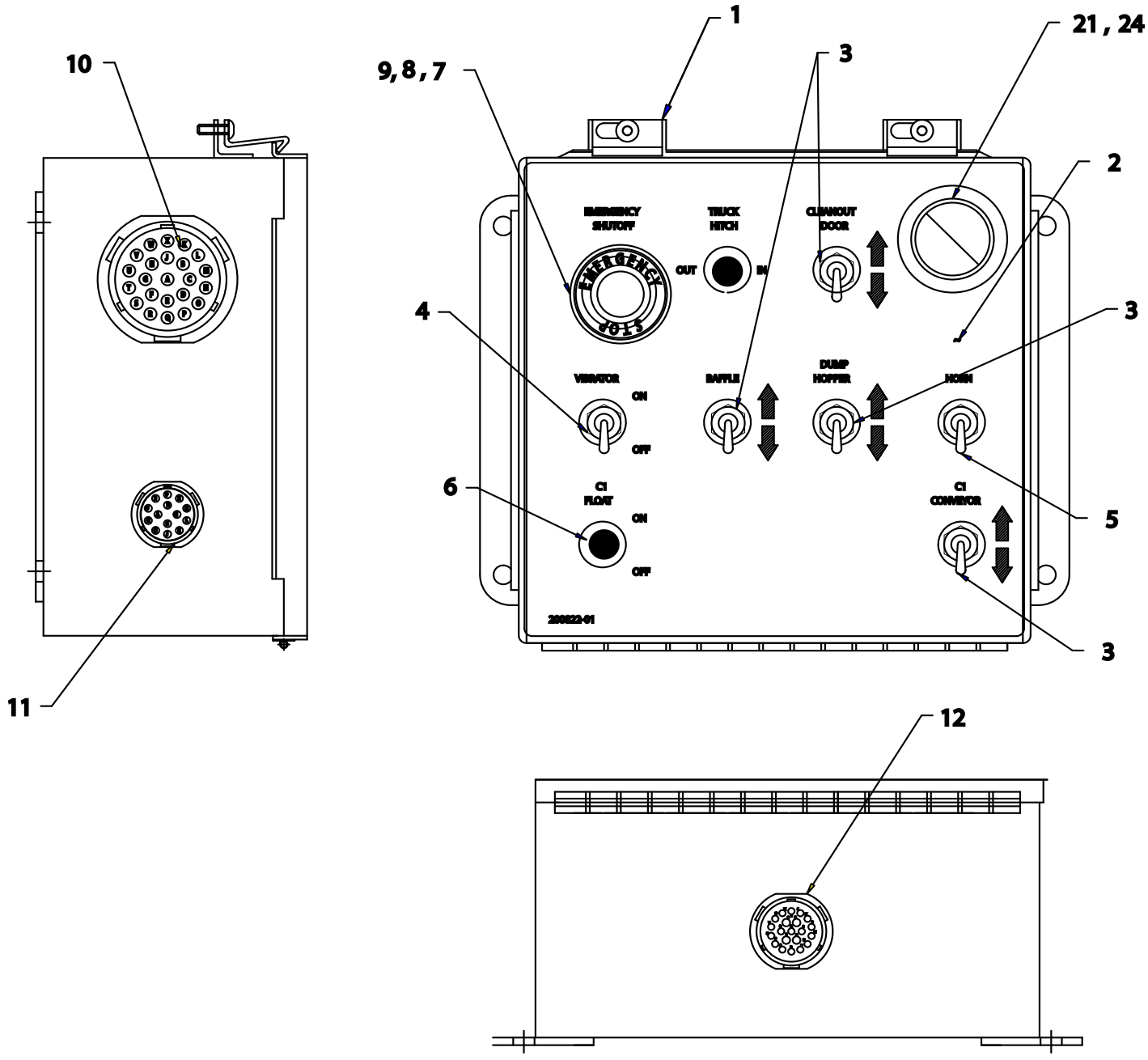
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL



ROADTEC
an Astec Industries Company

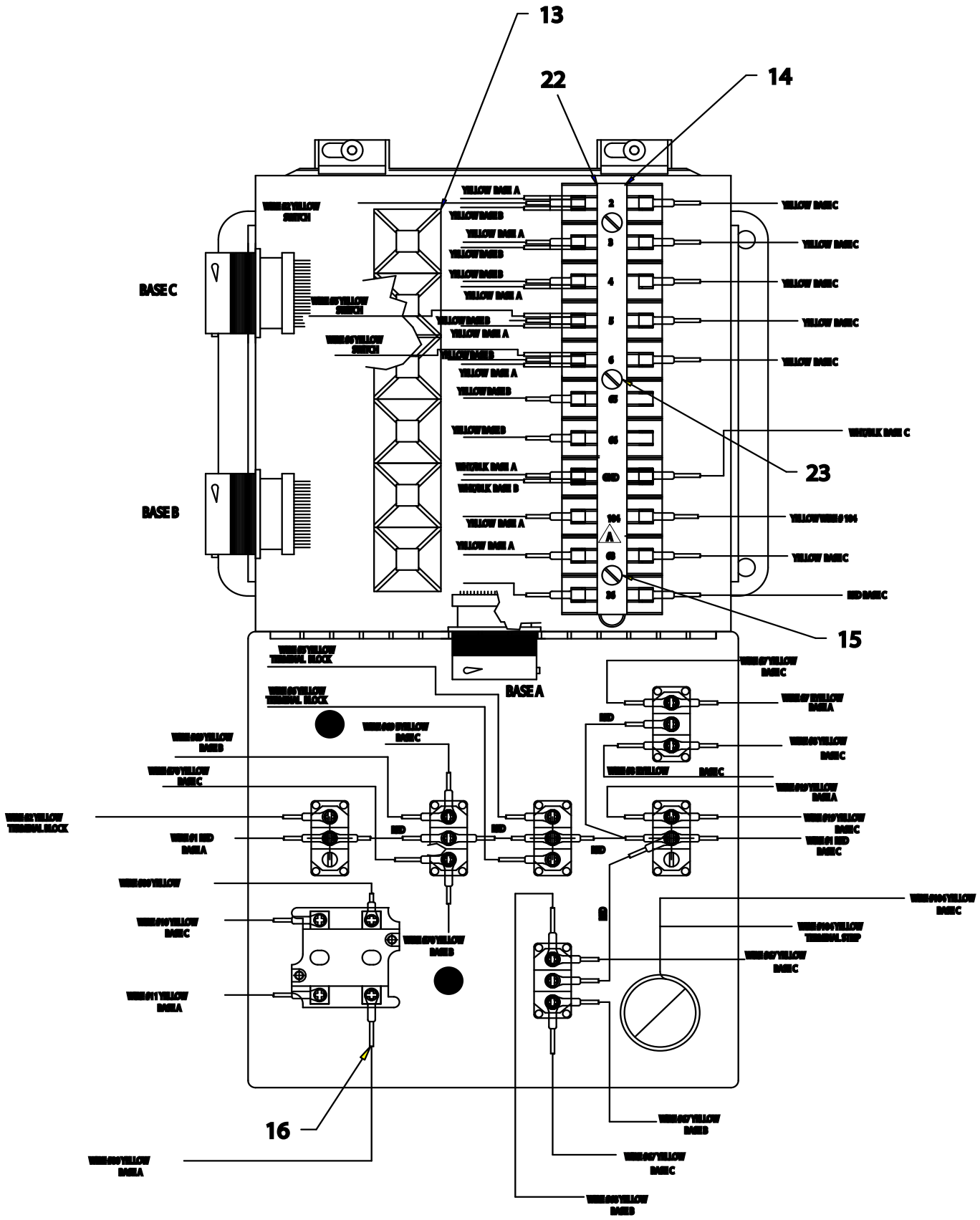
# R.H. C-1 CONTROL BOX ASSEMBLY
# ( 238331-01 )

NEXT PAGE



PREVIOUS PAGE

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

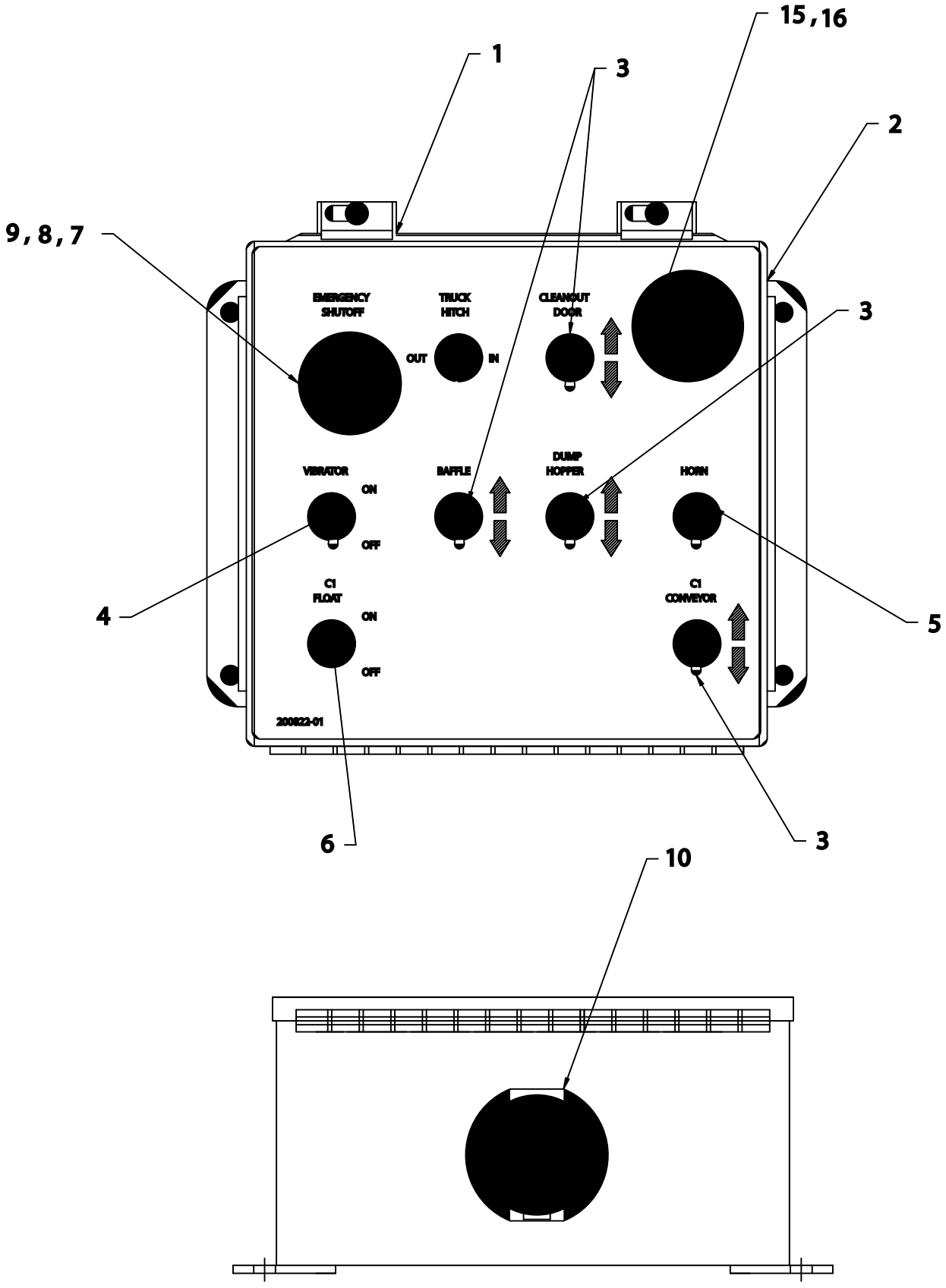


# R.H. C-1 CONTROL BOX ASSEMBLY
# ( 238331-01 )

| 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 | | | |

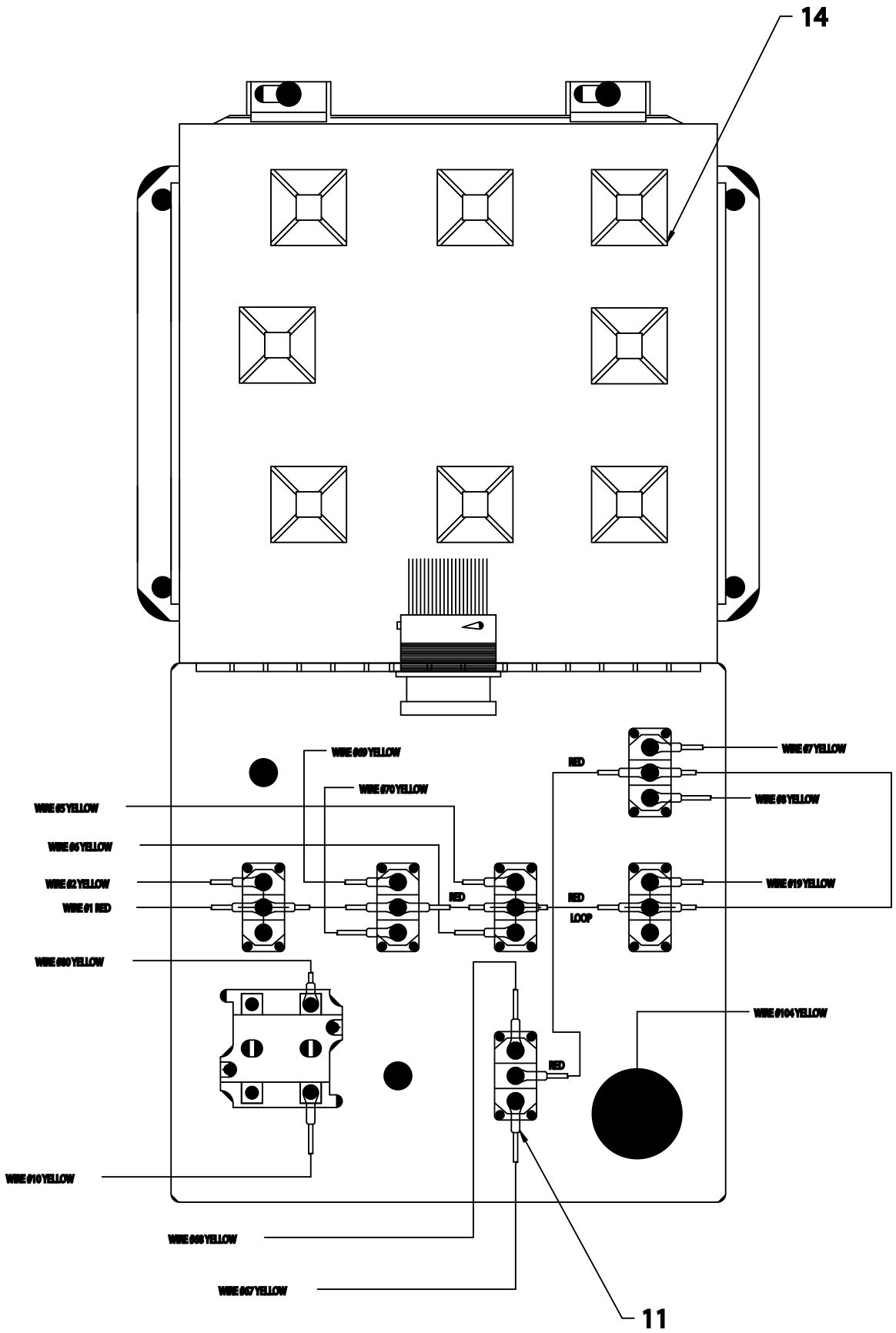
# L.H. C-1 CONTROL BOX ASSEMBLY
# ( 238332-01 )

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 | | | |

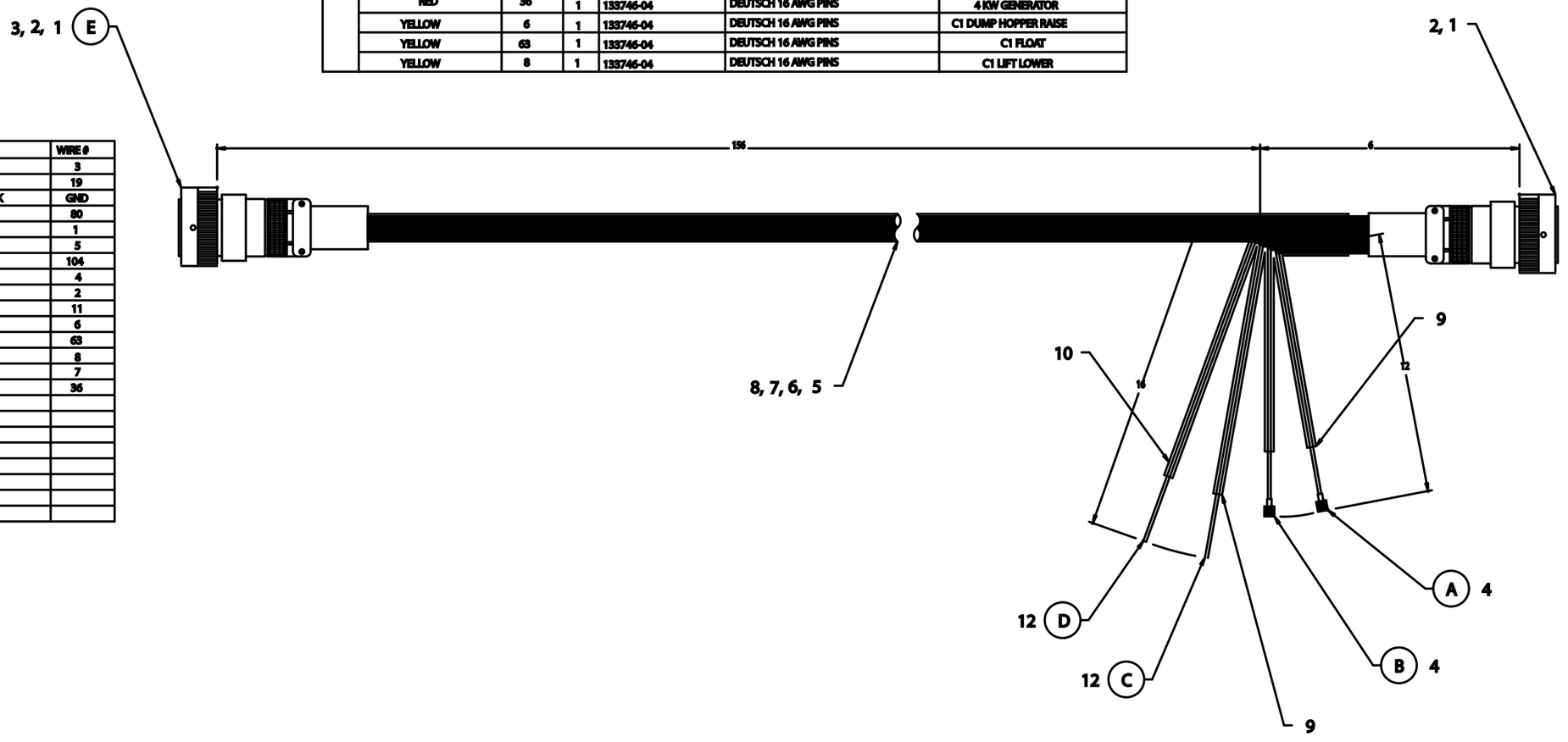
# HARNESS- RH C1 CONTROL BOX
# ( 236689-01 )

| 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

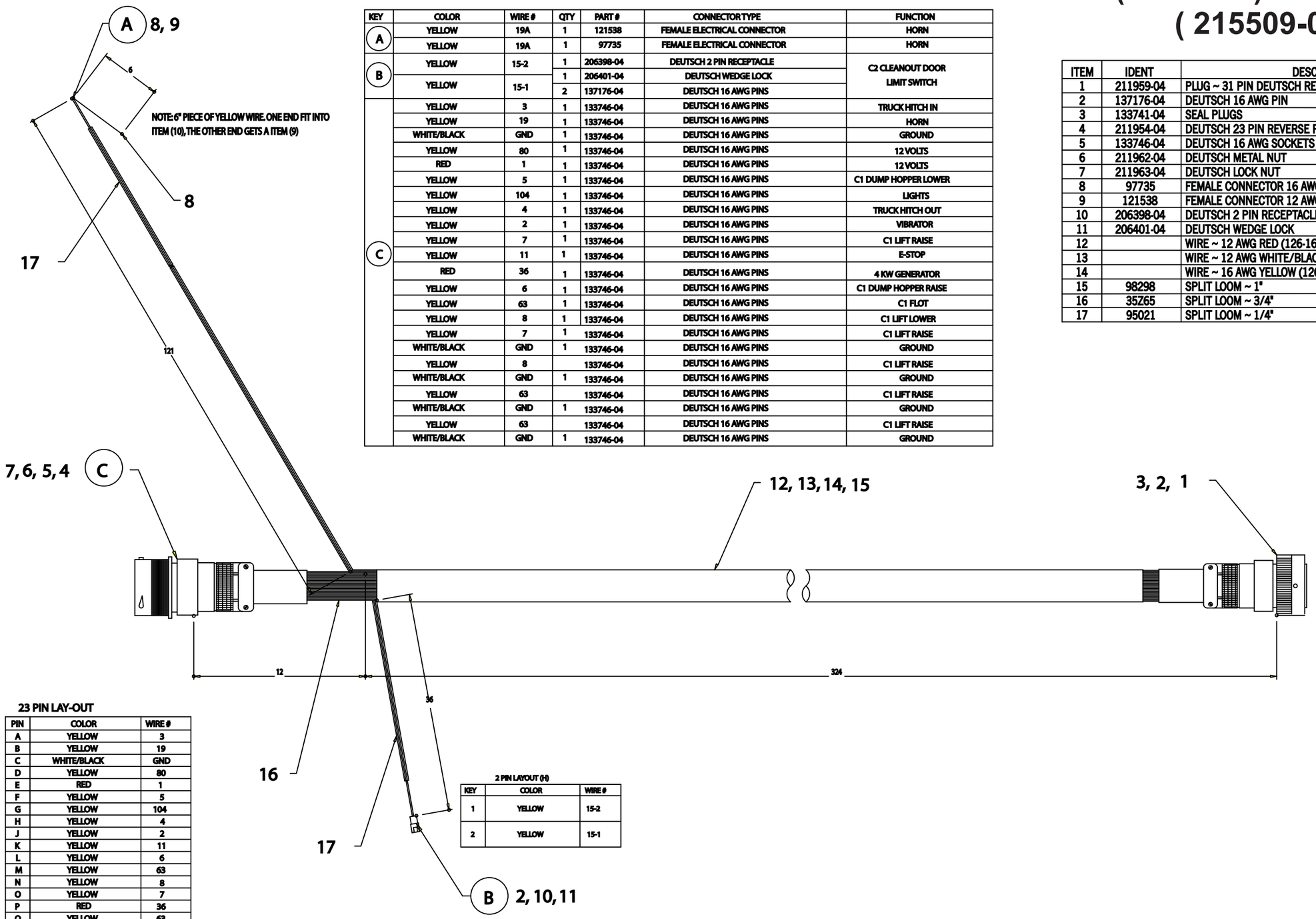
| PIN | COLOR | WIRE # |
|---|---|---|
| A | YELLOW | 3 |
| B | YELLOW | 19 |
| C | WHITE/BLACK | GND |
| D | YELLOW | 80 |
| E | RED | 1 |
| F | YELLOW | 5 |
| G | YELLOW | 104 |
| H | YELLOW | 4 |
| J | YELLOW | 2 |
| K | YELLOW | 11 |
| L | YELLOW | 6 |
| M | YELLOW | 63 |
| N | YELLOW | 8 |
| O | 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 (H)**

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



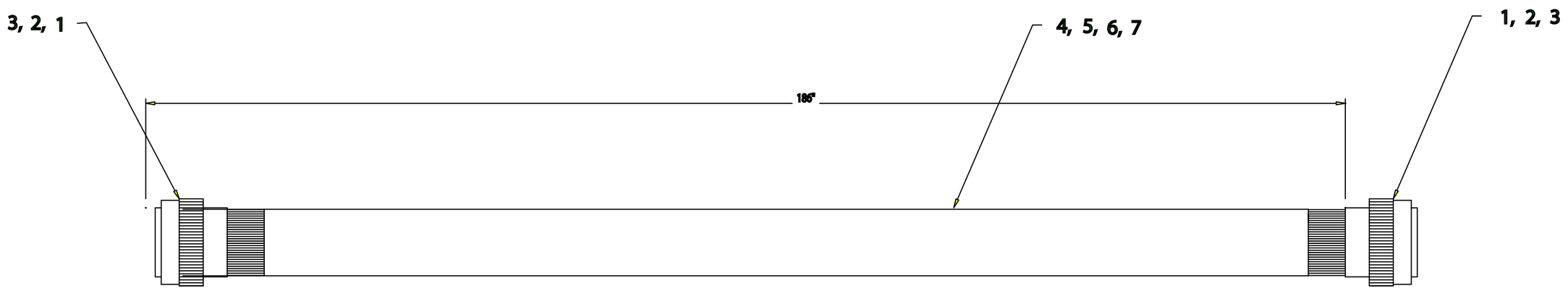
ROADTEC
an Astec Industries Company

# 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" |

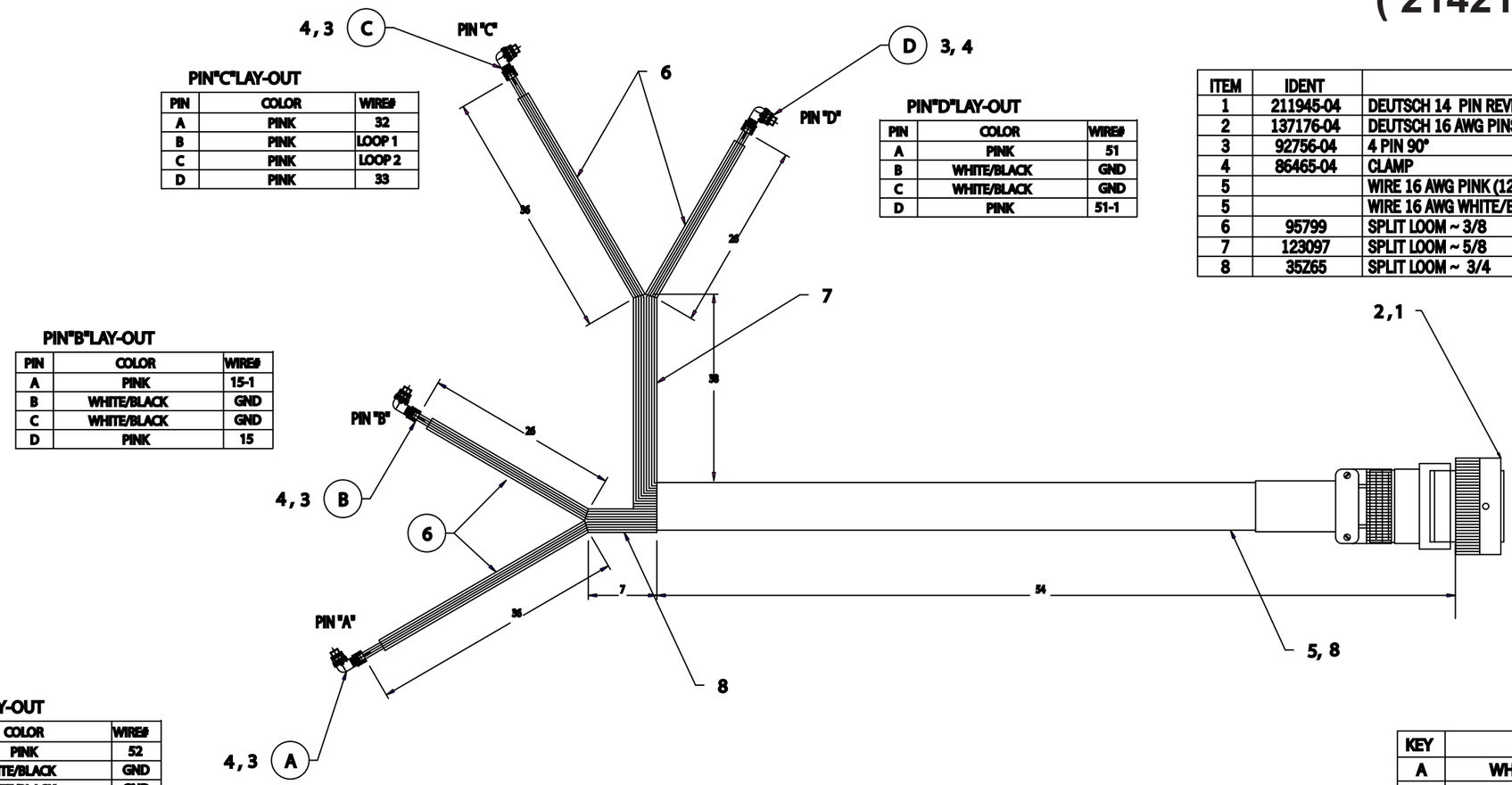



16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL



ROADTEC
an Astec Industries Company

# 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

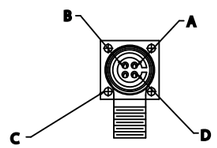
| PIN | COLOR | WIRE# |
|---|---|---|
| A | PINK | 15-1 |
| B | WHITE/BLACK | GND |
| C | WHITE/BLACK | GND |
| D | PINK | 15 |

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 | 92756-04<br>86465-04 | ELEC ° 4-PIN CONNECTOR<br>ELEC ° CABLE CLAMP-5 PIN | C3<br>EXTRA WHITE/BLACK WIRE<br>IS 11"LONG & SOLDER TO<br>OTHER WHITE/BLACK WIRE |
| | PINK | 52 | 1 | | | |
| | PINK | 52-1 | 1 | | | |
| | WHITE/BLACK | GND | | | | |
| B | PINK | 15 | 1 | 92756-04<br>86465-04 | ELEC ° 4-PIN CONNECTOR<br>ELEC ° CABLE CLAMP-5 PIN | C2<br>EXTRA BLUE WIRE<br>IS 11"LONG & SOLDER TO<br>OTHER BLUE WIRE |
| | WHITE/BLACK | GND | 1 | | | |
| | PINK | 15-1 | 1 | | | |
| | WHITE/BLACK | GND | | | | |
| C | PINK | 32 | 1 | 92756-04<br>86465-04 | ELEC ° 4-PIN CONNECTOR<br>ELEC ° CABLE CLAMP-5 PIN | TRAVEL<br>PINK WIRE LOOP 1 & LOOP 2<br>IS 11"LONG & SOLDER TO<br>EACH OTHER |
| | PINK | LOOP 1 | 1 | | | |
| | PINK | 33 | 1 | | | |
| | PINK | LOOP 2 | 1 | | | |
| D | PINK | 51-1 | 1 | 92756-04<br>86465-04 | ELEC ° 4-PIN CONNECTOR<br>ELEC ° CABLE CLAMP-5 PIN | C1<br>EXTRA BLACK WIRE<br>IS 11"LONG & SOLDER TO<br>OTHER BLACK WIRE |
| | PINK | 51 | 1 | | | |
| | WHITE/BLACK | GND | 1 | | | |
| | WHITE/BLACK | GND | | | | |




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

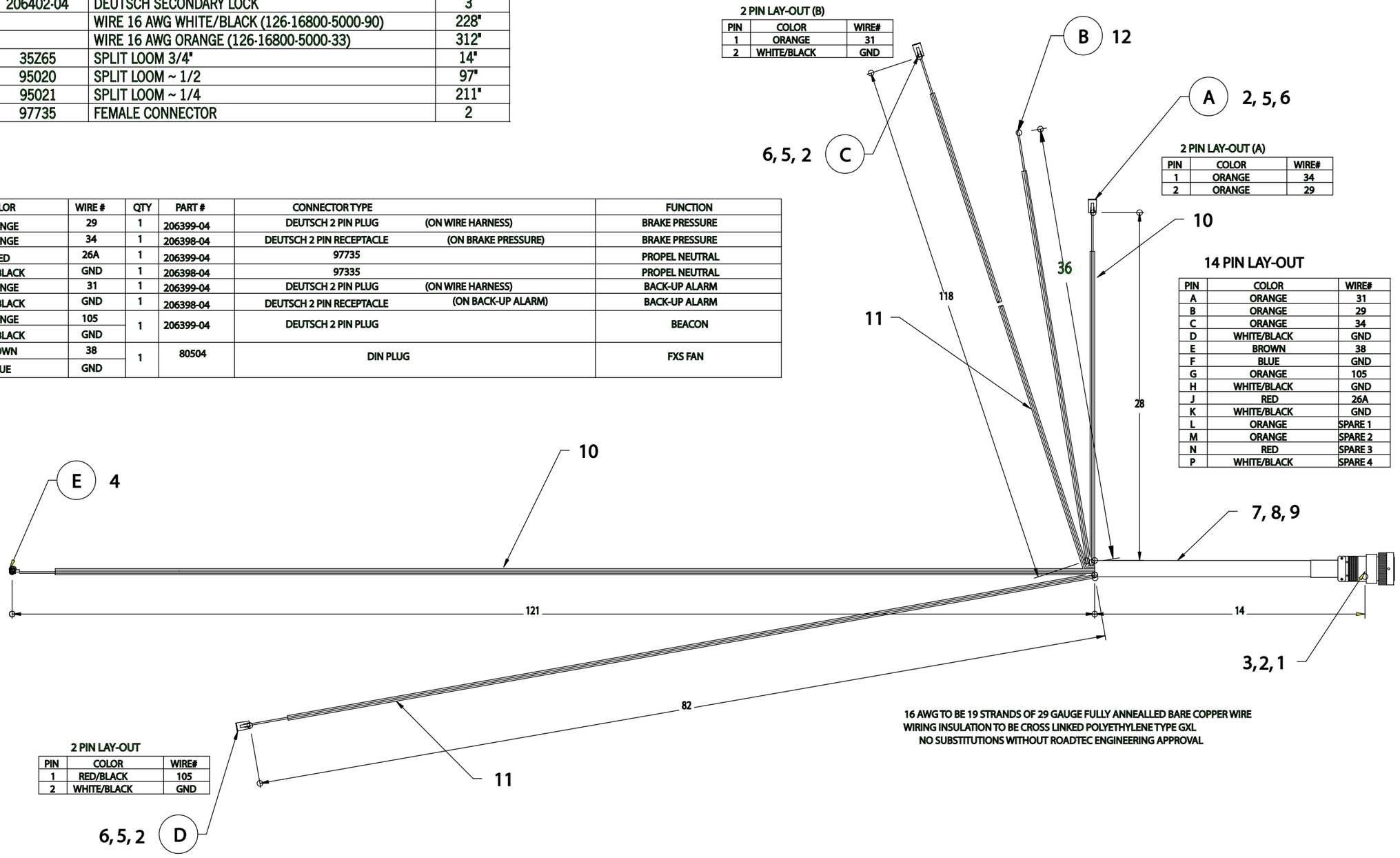
| KEY | COLOR | WIRE# |
|---|---|---|
| A | WHITE/BLACK | GND |
| B | PINK | 51 |
| C | WHITE/BLACK | GND |
| D | WHITE/BLACK | GND |
| E | WHITE/BLACK | GND |
| F | PINK | 15 |
| G | WHITE/BLACK | GND |
| H | WHITE/BLACK | GND |
| J | PINK | 32 |
| K | PINK | 33 |
| L | PINK | 52-1 |
| M | PINK | 15-1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

# 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
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

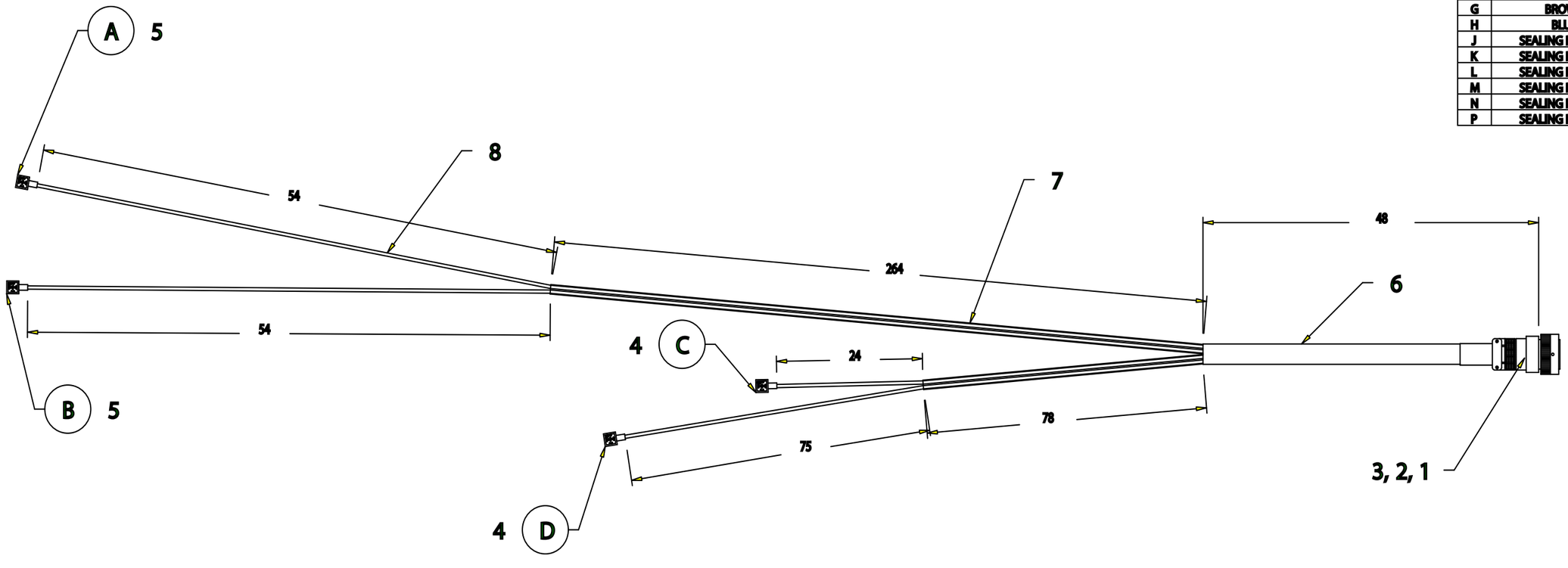
# HARNESS- SPEED SHIFT
# ( 236686-02 )

| 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 | |

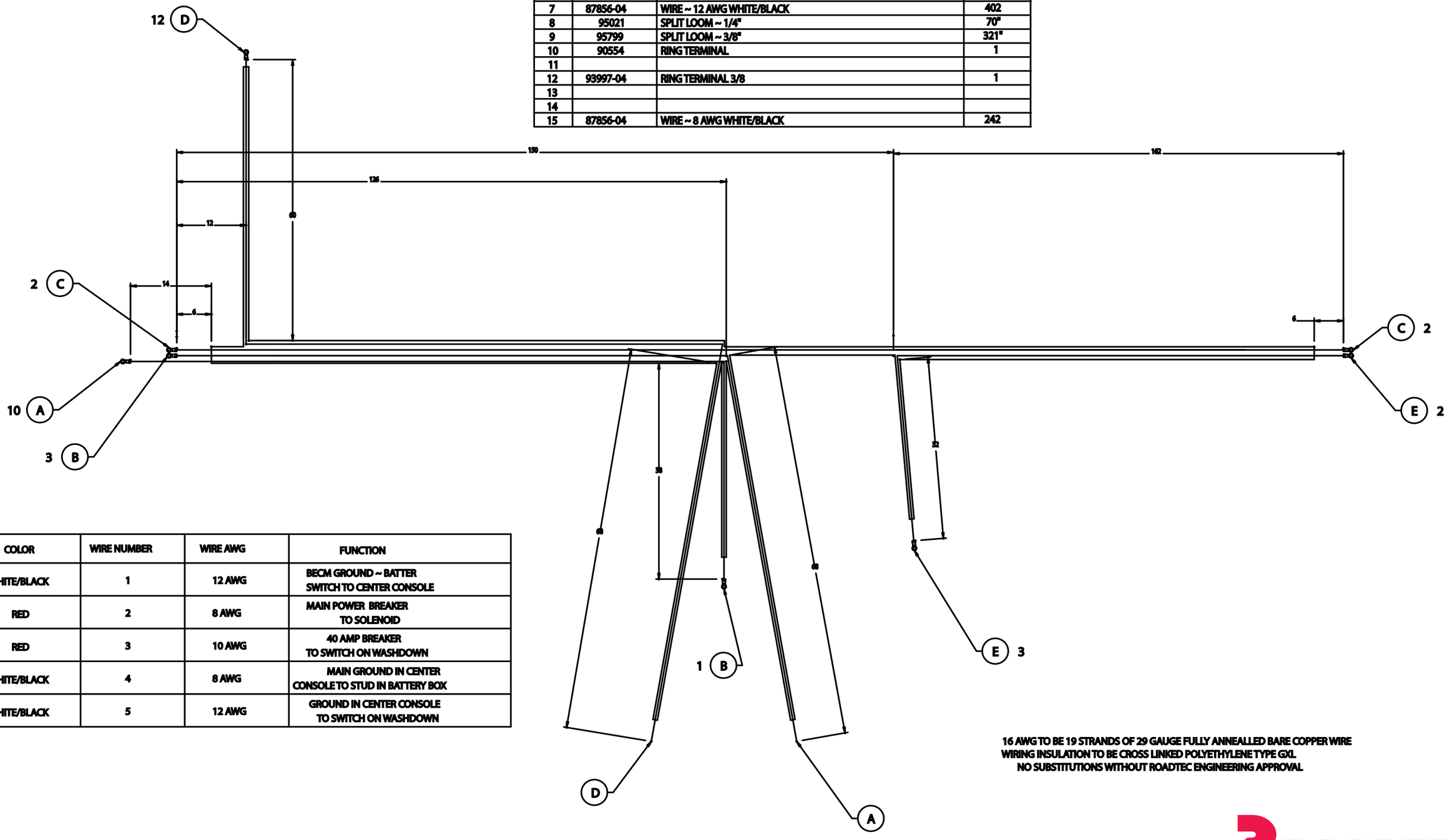





ROADTEC
an Astec Industries Company

# 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 |

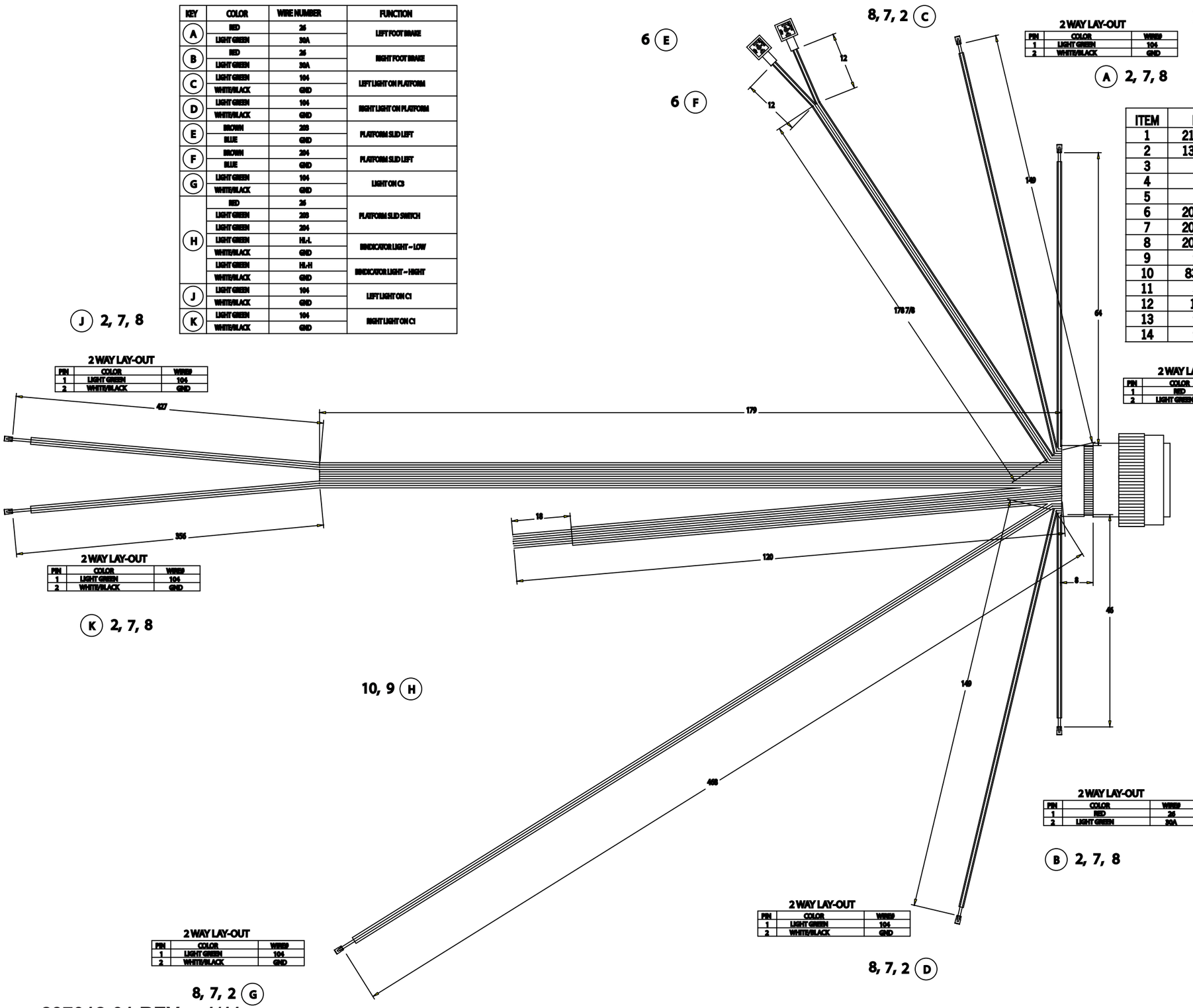
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL



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

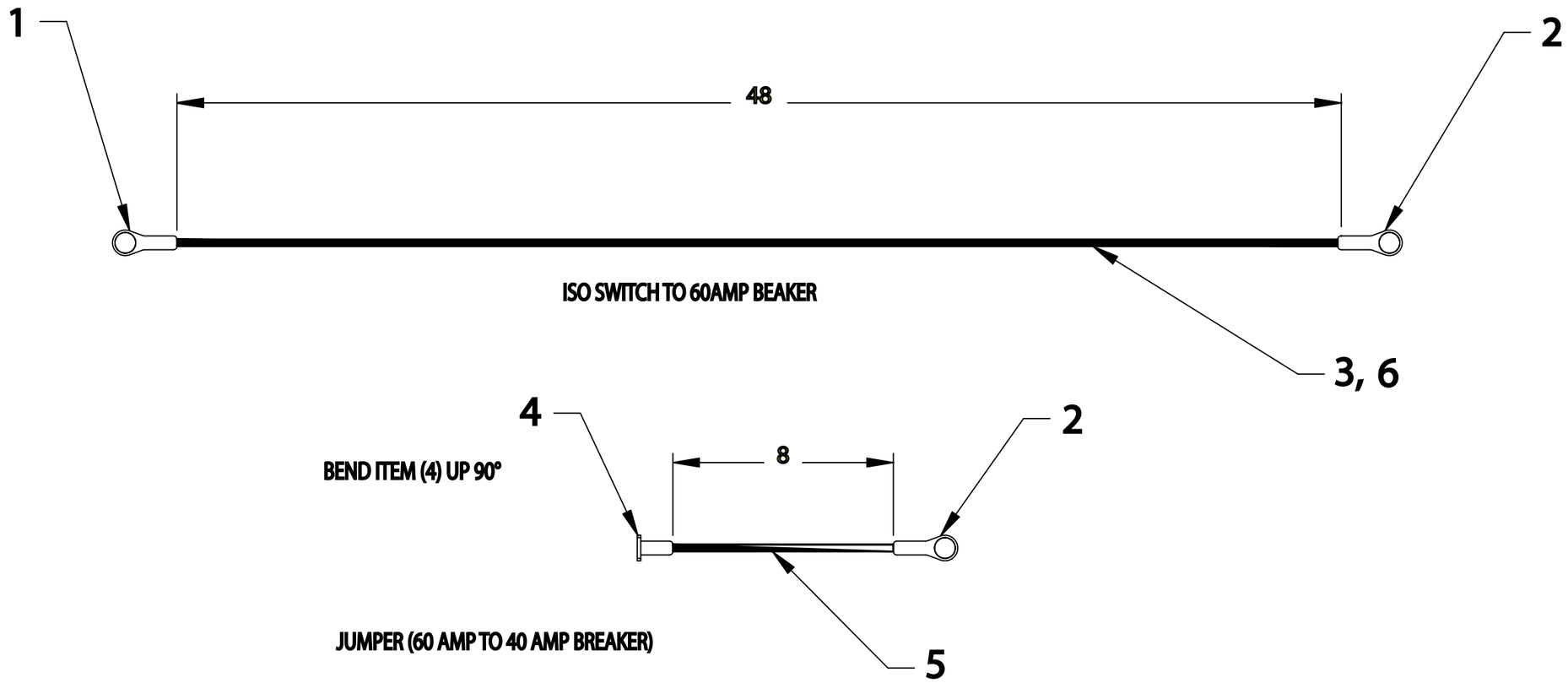
| PIN | COLOR | WIRE# | FUNCTION |
|---|---|---|---|
| 1 | LIGHT GREEN | 104 | LIGHT |
| 2 | WHITE/BLACK | GND | |
| 3 | LIGHT GREEN | 104 | LIGHT |
| 4 | WHITE/BLACK | GND | |
| 5 | LIGHT GREEN | 104 | LIGHT |
| 6 | WHITE/BLACK | GND | |
| 7 | LIGHT GREEN | 104 | LIGHT |
| 8 | WHITE/BLACK | GND | |
| 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 | |



ROADTEC
an Astec Industries Company

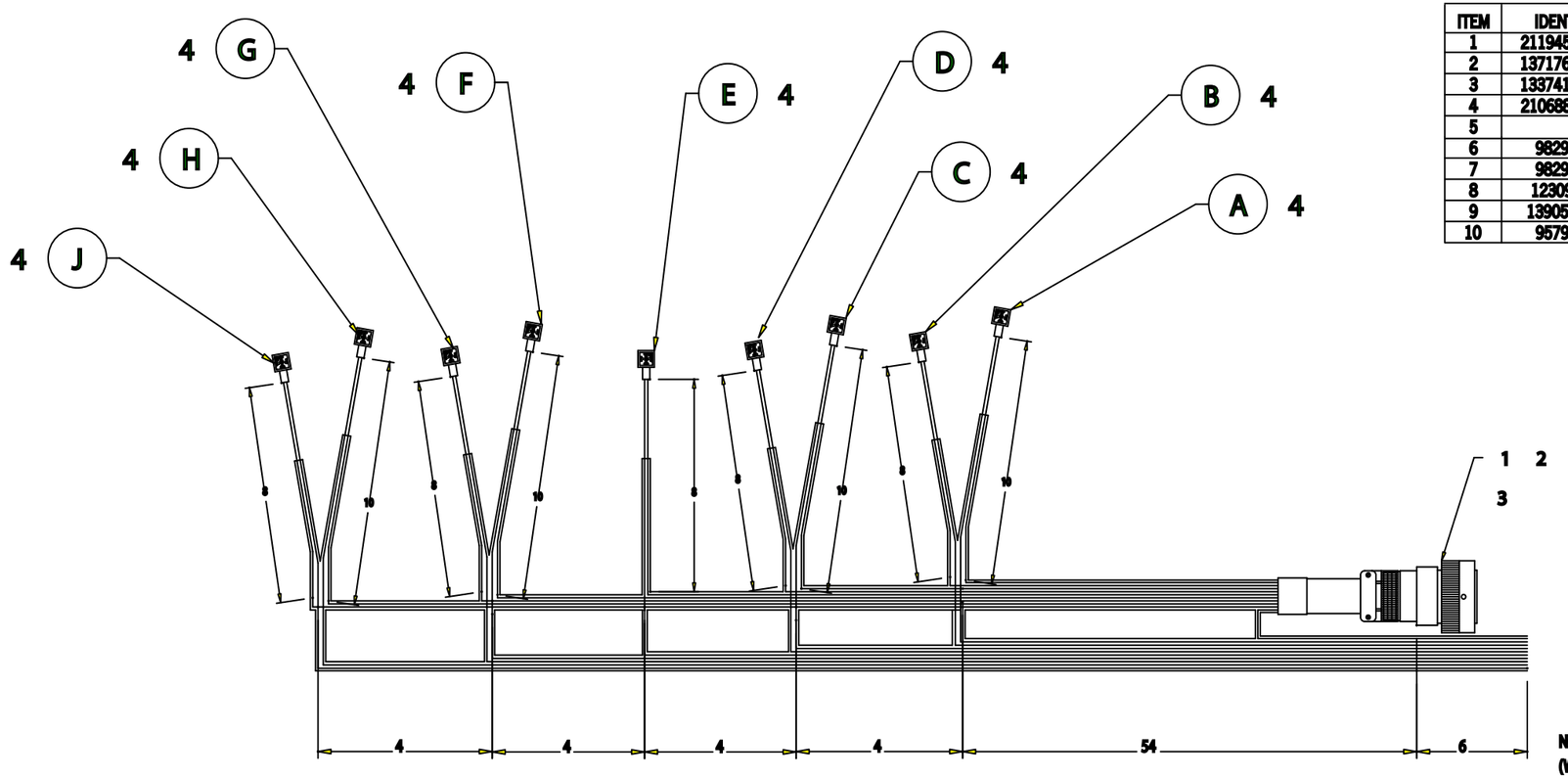
# HARNESS- VALVE STACK
# ( 215513-02 )

| | 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

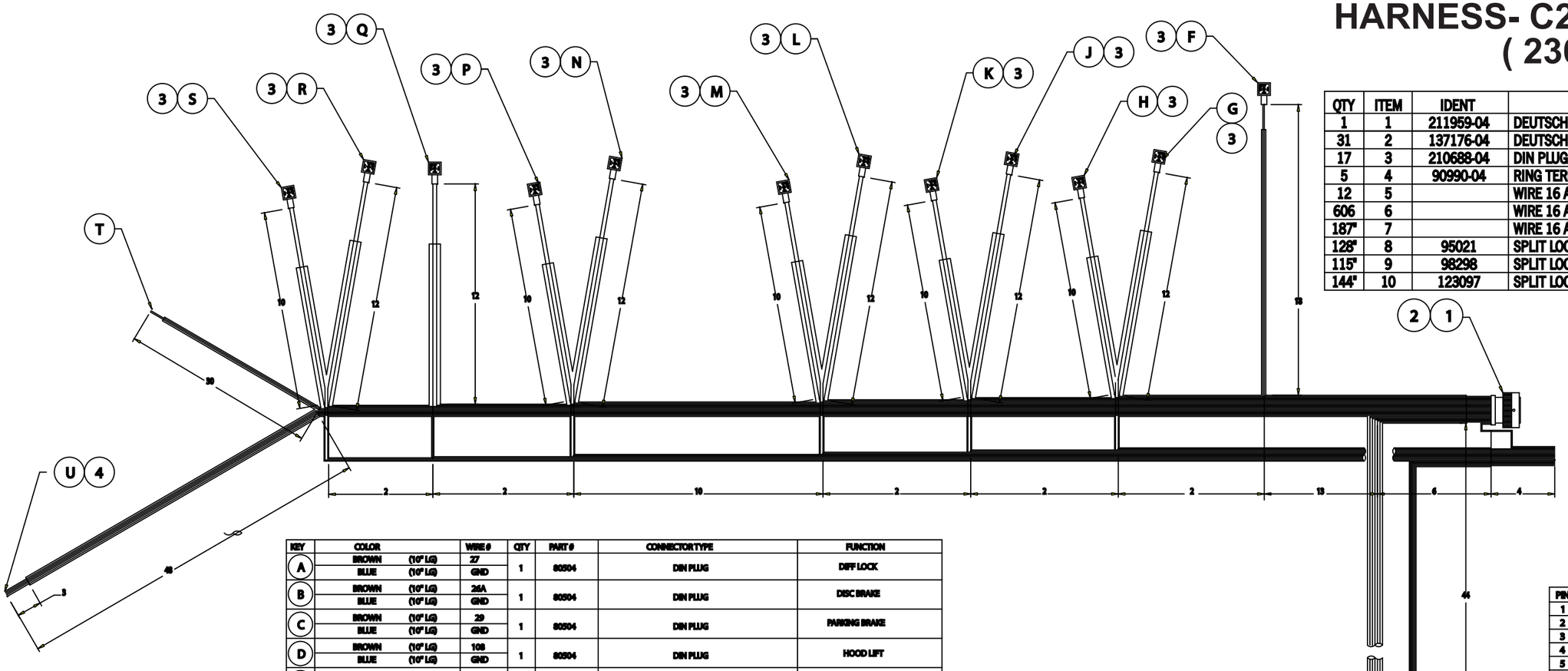
| KEY | COLOR | WIRE # | QTY | PART # | CONNECTOR TYPE | FUNCTION |
|---|---|---|---|---|---|---|
| A | BROWN | 6 | 1 | 210688-04 | DIN PLUG SINGLE ENDED CORDSET | DUMP HOOPER |
| | BLUE | GND | 1 | | | |
| B | BROWN | 5 | 1 | 210688-04 | DIN PLUG SINGLE ENDED CORDSET | DUMP HOOPER |
| | BLUE | GND | 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

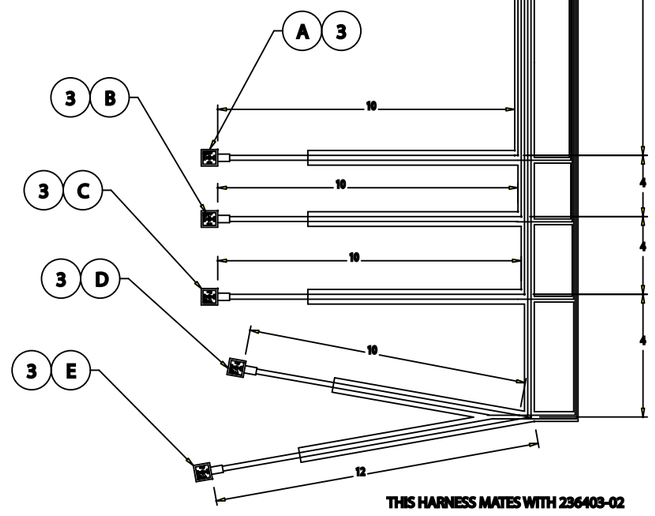
16 AWG TO BE 19 STRANDS OF 29 GAUGE FULLY ANNEALLED BARE COPPER WIRE
WIRING INSULATION TO BE CROSS LINKED POLYETHYLENE TYPE GXL
NO SUBSTITUTIONS WITHOUT ROADTEC ENGINEERING APPROVAL

# 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

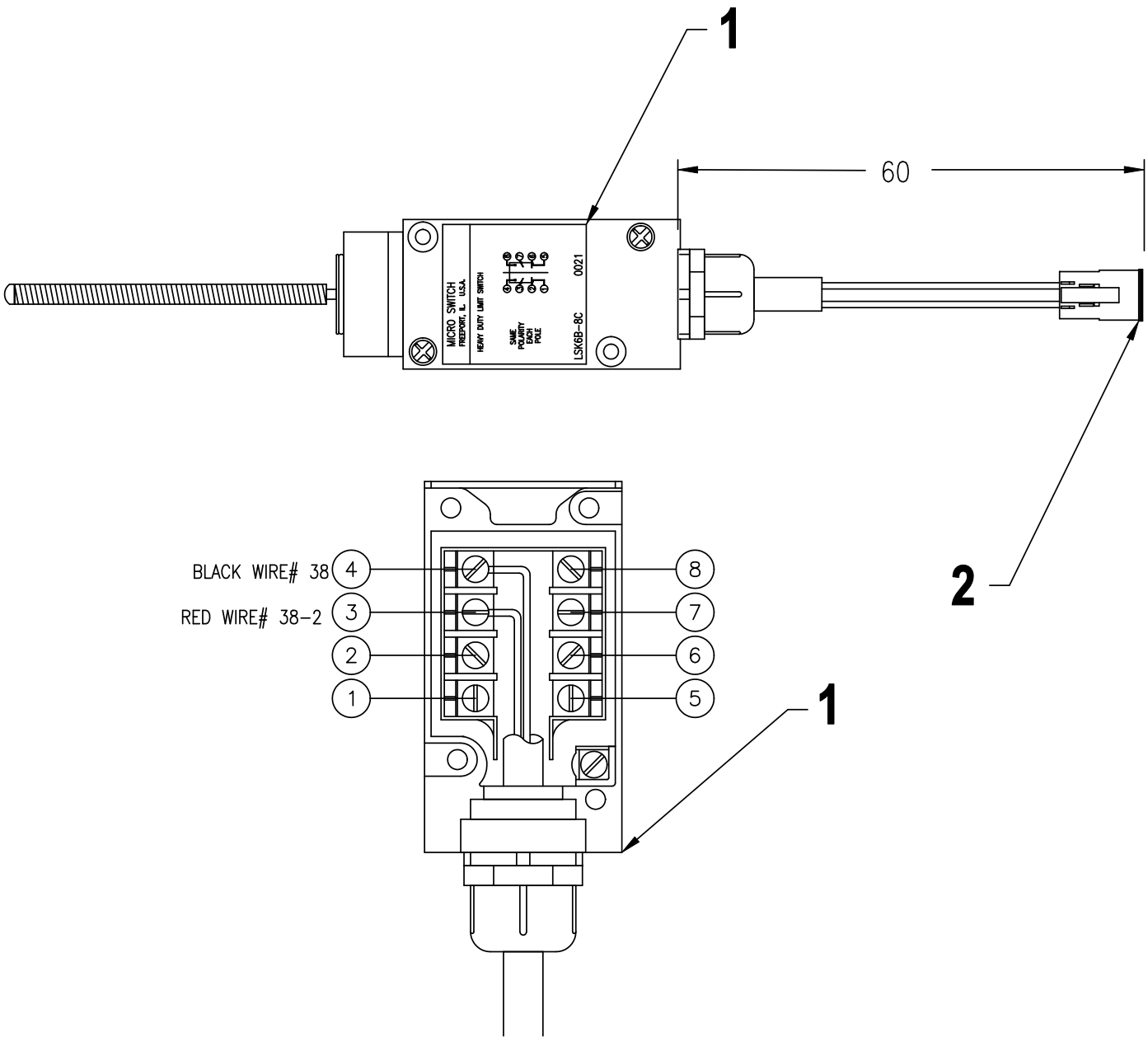
### 31 PIN LAYOUT

| 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 |



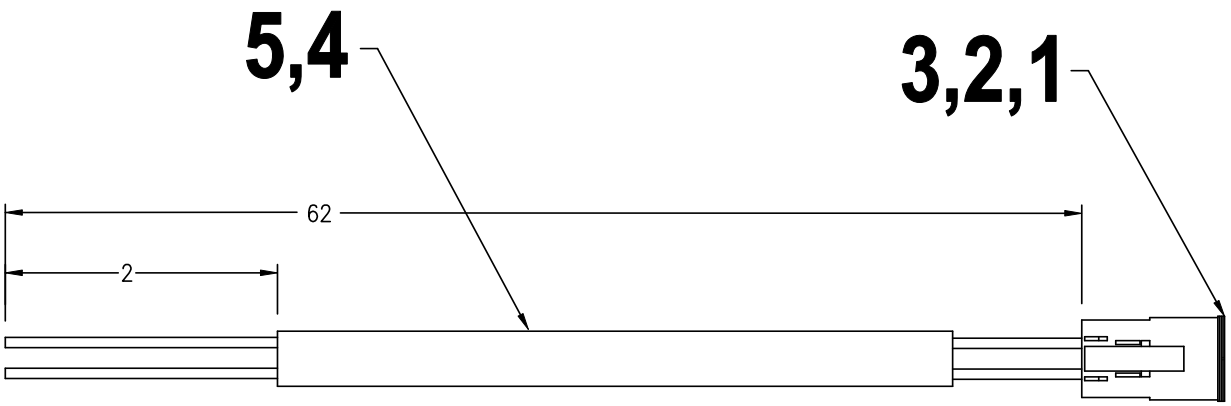
ROADTEC
an Astec Industries Company

# 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" |

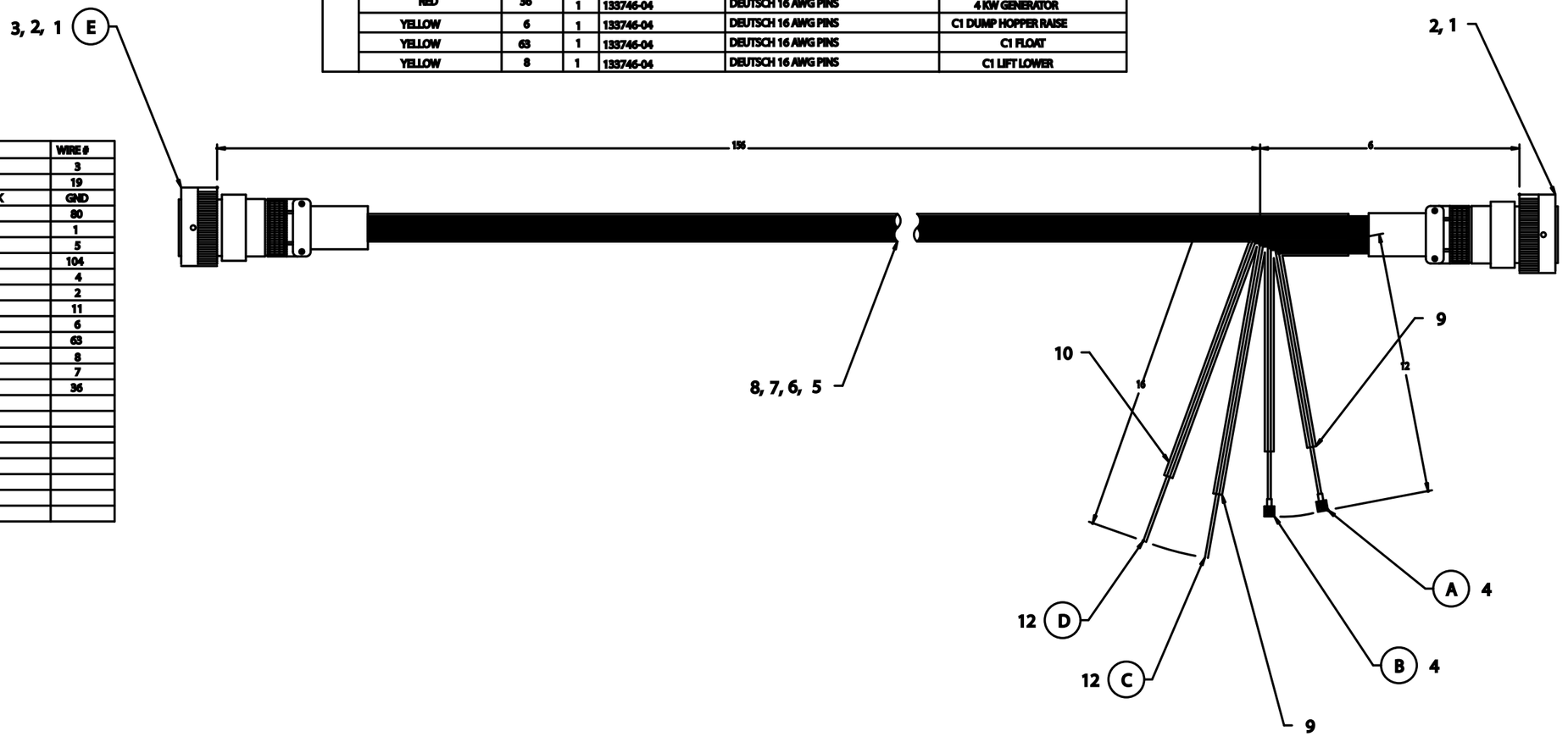
# HARNESS- LIMIT SWITCH CLEAN-OUT
# ( 214540-03 )

| 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 |

| 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 | |

**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

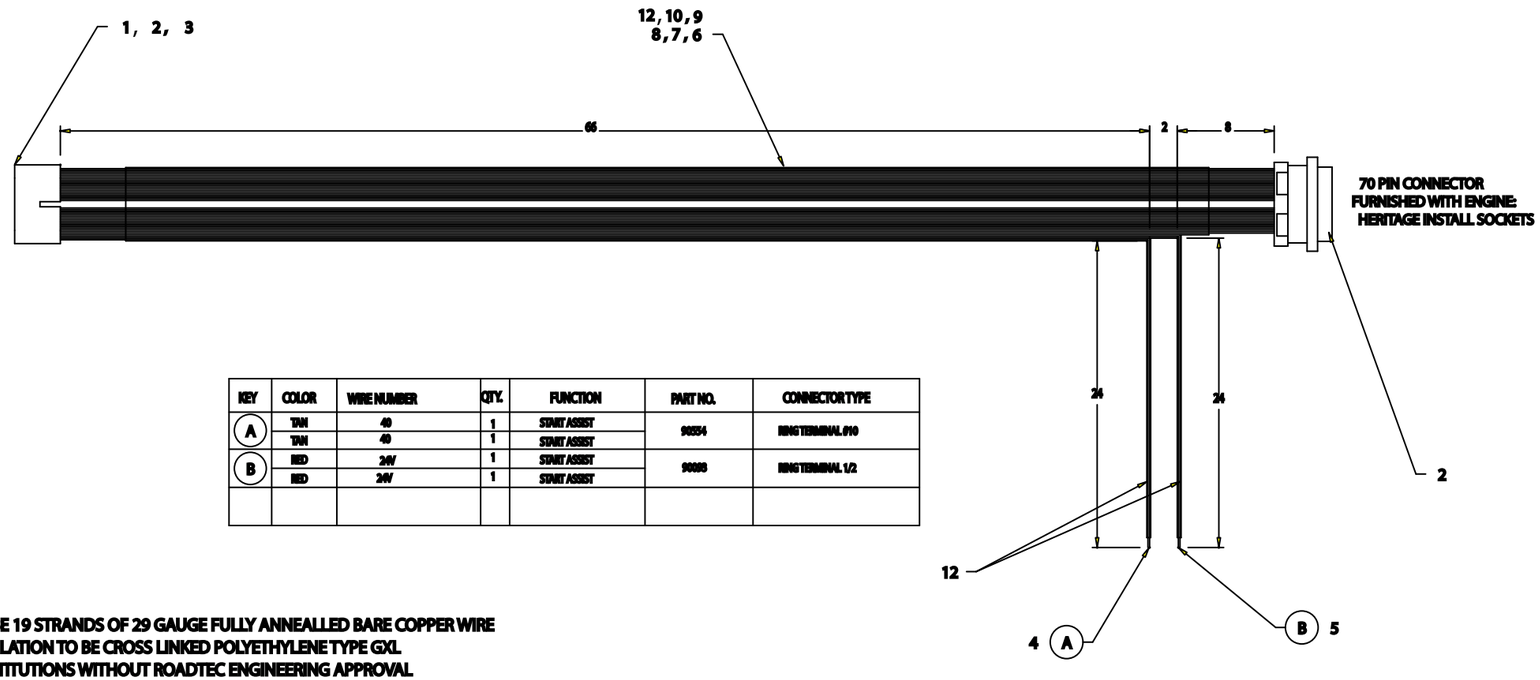
# HARNESS- ENGINE
# ( 236791-01 )

## 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 | | | |
| 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 | 2 COND 18 AWG |
| 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 | | |
| 34 | GREEN WITH RED STRIPE | J1939- | 18 AWG | GAUGE DATA- | TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D | 3 COND 18 AWG |
| 35 | | | | SEALING PLUG | | |

| PIN | WIRE COLOR | WIRE # | WIRE SIZE | FUNCTION | BOXES | |
|---|---|---|---|---|---|---|
| 36 | | | | SEALING PLUG | | |
| 37 | | | | SEALING PLUG | | |
| 38 | | | | SEALING PLUG | | |
| 39 | | | | SEALING PLUG | | |
| 40 | | | | SEALING PLUG | | |
| 41 | | | | SEALING PLUG | | |
| 42 | GRAY | J1939-SH | 18 AWG | GAUGE SHIELD | TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D | 3 COND 18 AWG |
| 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 | | |
| 50 | YELLOW WITH RED STRIPE | J1939+ | 18 AWG | GAUGE DATA+ | TO CONTROLLER #1 & 9 PIN DEUTSCH PIN D | 3 COND 18 AWG |
| 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 | |

| 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" |




| 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

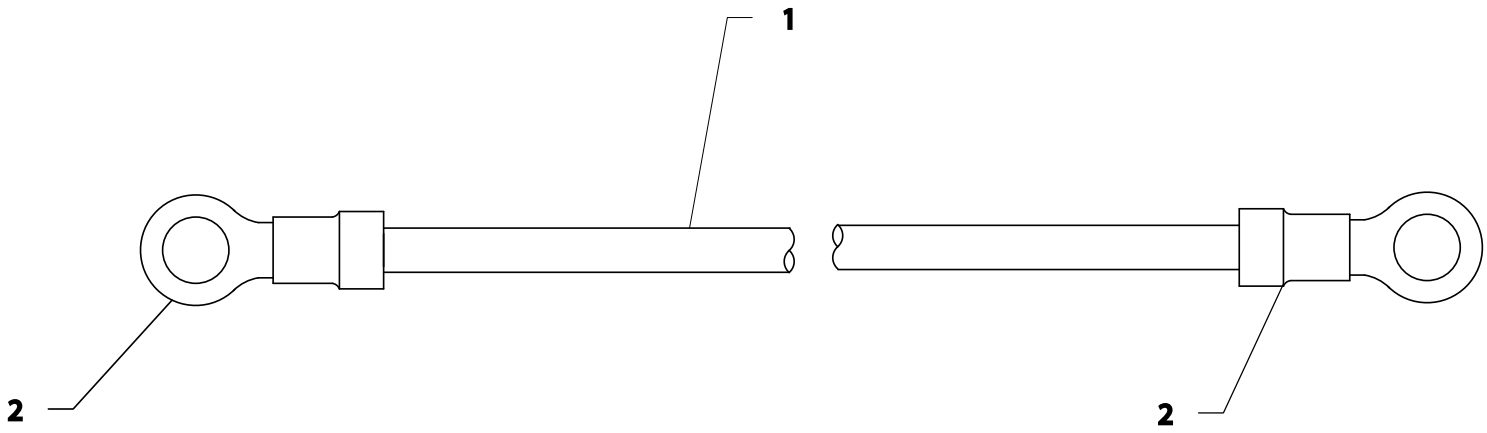
## 40 PIN LAY-OUT

| 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 ALMP (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 | | | | |



ROADTEC
an Astec Industries Company

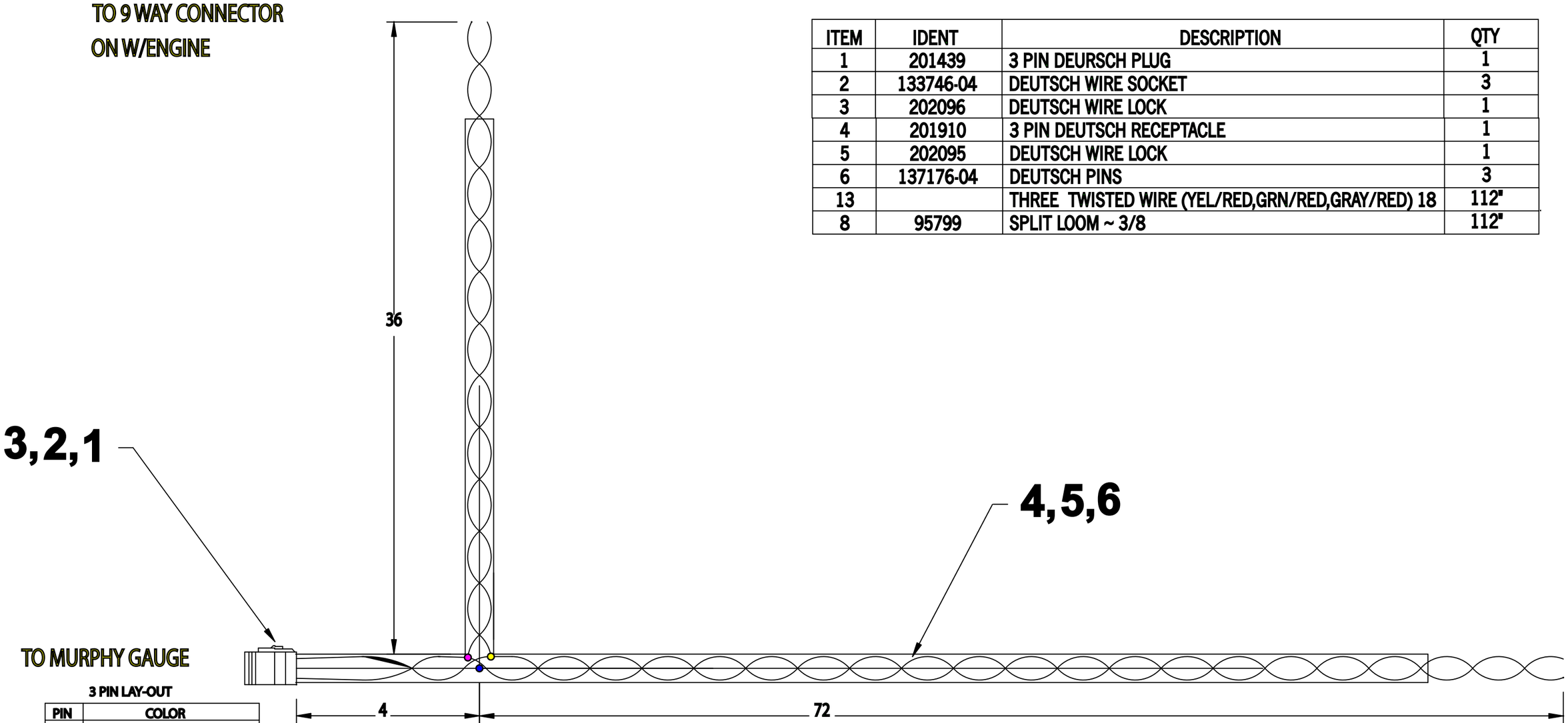
# HARNESS- ENGINE GROUND
# ( 219958-03 )




| 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" |

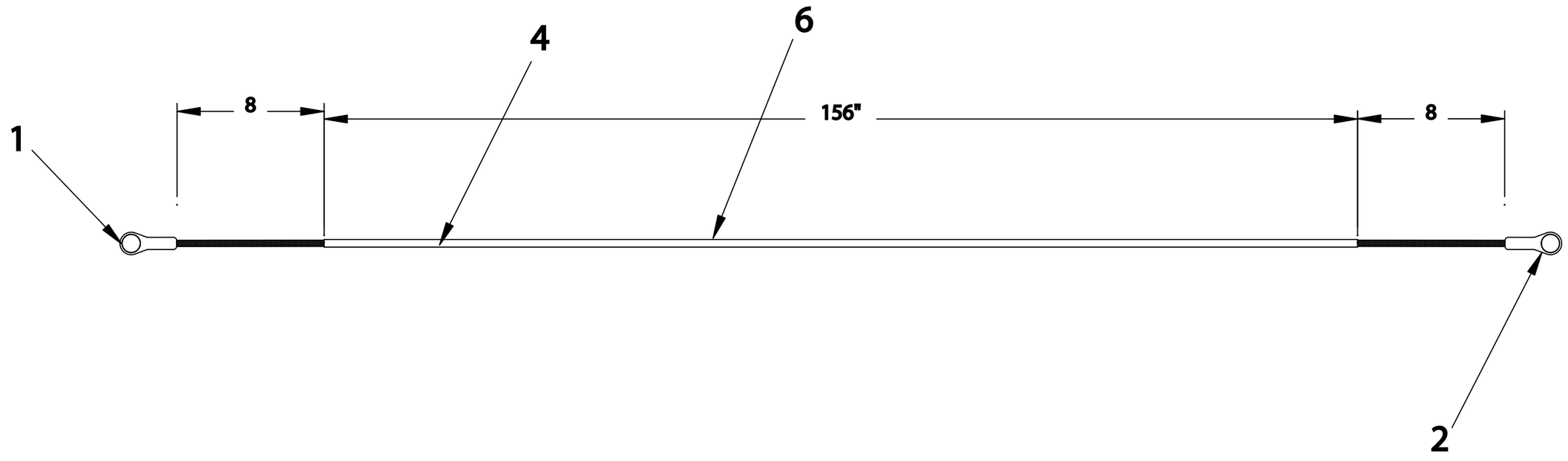



3 PIN LAY-OUT

| PIN | COLOR |
|---|---|
| A | YELLOW |
| B | GREEN |
| C | GRAY |

# HARNESS- ALTERNATOR
# ( 237252-03 )

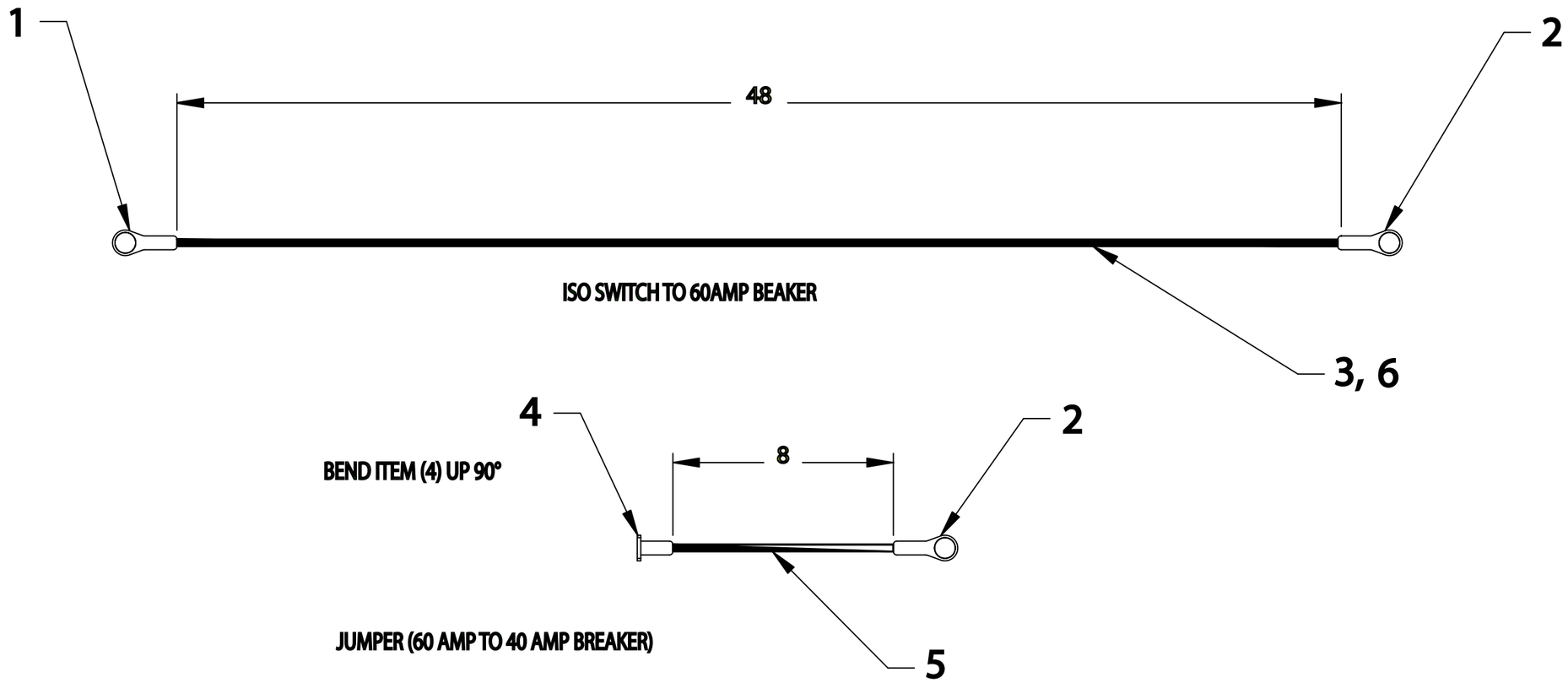
| ITEM | IDENT | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 128219 | WIRE ~ TERMINAL 5/16 RING | 2 |
| 2 | 128218 | WIRE ~ TERMINAL 1/4" RING | 1 |
| 5 | | WIRE ~ 8 AWG (RED) | 172" |
| 6 | 95799 | SPLIT LOOM ~ 3/8 | 156" |




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 |

### 12 WAY PLUG

| PIN | WIRE # | FUNCTION | COLOR | WIRE SIZE |
|---|---|---|---|---|
| | FP-86 | FUEL PUMP RELAY 86 | BLUE | 18 AWG |
| 2 | FP-85 | FUEL PUMP RELAY 85 | WHITE/BLACK | 18 AWG |
| 3 | GND | GND | WHITE/BLACK | 14 AWG |
| 4 | CAN+ | SOOT SENSOR CAN + | YELLOW | 18 AWG TWISTED |
| 5 | CAN - | SOOT SENSOR CAN- | GREEN | 18 AWG TWISTED |
| 6 | | SEALING PLUG | | |
| 7 | GND | GROUND | WHITE/BLACK | 14 AWG |
| 8 | CEM+ | CEM POWER | RED | 14 AWG |
| 9 | | SEALING PLUG | | |
| 10 | PRIME | PRIME | BLUE | 18 AWG |
| 11 | GND | GND | WHITE/BLACK | 18 AWG |
| 12 | | SEALING PLUG | | |

### 2 WAY PLUG

| PIN | WIRE # | FUNCTION | COLOR | WIRE SIZE |
|---|---|---|---|---|
| | FAN-PWN | FAN-PWN | BLUE | 18 AWG |
| 2 | GND | GND | WHITE/BLACK | 18 AWG |

### 6 WAY PLUG

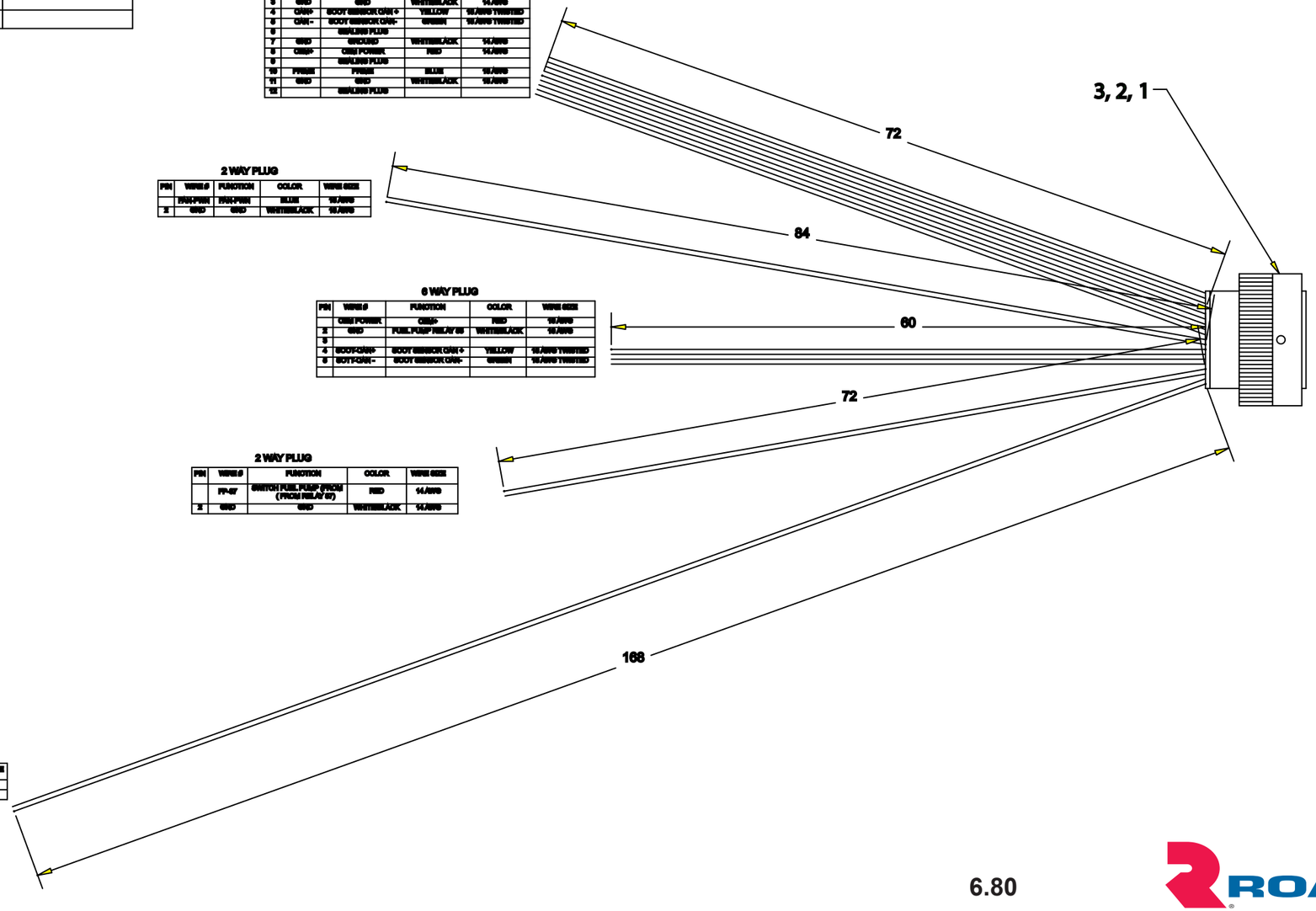
| PIN | WIRE # | FUNCTION | COLOR | WIRE SIZE |
|---|---|---|---|---|
| | CEM POWER | CEM+ | RED | 16 AWG |
| 2 | GND | FUEL PUMP RELAY 85 | WHITE/BLACK | 18 AWG |
| 3 | | | | |
| 4 | SOOT-CAN+ | SOOT SENSOR CAN + | YELLOW | 18 AWG TWISTED |
| 5 | SOT-CAN - | SOOT SENSOR CAN- | GREEN | 18 AWG TWISTED |
| | | | | |
| | | | | |

### 2 WAY PLUG

| PIN | WIRE # | FUNCTION | COLOR | WIRE SIZE |
|---|---|---|---|---|
| | FP-87 | SWITCH FUEL PUMP (FROM ( FROM RELAY 87) | RED | 14 AWG |
| 2 | GND | GND | WHITE/BLACK | 14 AWG |

### 2 WAY PLUG

| PIN | WIRE # | FUNCTION | COLOR | WIRE SIZE |
|---|---|---|---|---|
| | AIR + | AIR INLET TEMP+ | BLUE | 16 AWG |
| 2 | AN - | ANALOG SENSOR - | WHITE/BLACK | 16 AWG |






ROADTEC
an Astec Industries Company

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 | |
| | | 13 | D-REGEN |
| | | 14 | PRIME |
| AUXILIARY PRESSURE SENSOR | 16 | 15 | |
| AUXILIARY TEMPERATURE SENSOR | 16 | 16 | AUX TEMP |
| | | 17 | AIR INLET |
| | | 18 | DIG SENS- |
| | | 19 | |
| | | 20 | |
| | | 21 | |
| | | 22 | |
| NOT USED | 16 | 23 | F-REGEN |
| WAIT TO START LIGHT | | 24 | |
| | | 25 | |
| | | 26 | |
| | | 27 | |
| DIAGNOSTIC LAMP | 16 | 28 | W-LAMP |
| WARNING LAMP | 16 | 29 | S-LAMP |
| MAINTENANCE DUE LAMP | 16 | 30 | DPF-LAMP |
| NOT USED | 16 | 31 | HEST-LAMP |
| | | 32 | |
| | | 33 | |
| J1939 DATA – | 16 | 34 | K990 |
| NOT USED | | 35 | |
| | | 36 | |
| | | 37 | |
| | | 38 | |
| | | 39 | |
| NOT USED | 16 | 40 | |
| PTO INTERRUPT SWITCH | 16 | 41 | |
| J1939 SHIELD | 16 | 42 | A234 |
| | | 43 | FAN-PWM |
| REMOTE SHUTDOWN | 16 | 44 | 44 |
| | 16 | 45 | |
| | | 46 | LSR |
| INTERMEDIATE ENGINE SPPED SWITCH | 16 | 47 | HSR |
| + BATTERY UNSWITCHED | 16 | 48 | BECM |
| 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 | GND |
| | | 57 | |
| 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 |
| THROTTLE POSITION SENSOR PWM | 16 | 66 | PWM-THR |
| SOLENOID COMMON | 16 | 67 | |
| | 16 | 68 | |
| BATTERY – | 16 | 69 | GND |
| + BATTERY SWITCHED | 16 | 70 | 9 |

THROTTLE
UP
DOWN
INHIBIT
FORCE
120 OHM

CAT DATALINK CONNECTOR

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

SHLD + – C A B SHLD + –
3-PIN DEUTSCH
MURPHY POWERVIEW POWER AND CAN HARNESS
6-PIN DEUTSCH
26
BACKLIGHT
GND
MURPHY POWERVIEW POWER AND CAN HARNESS
MURPHY
CAN + CAN – GND V +
CAN + CAN – 120 OHM
ENGINE RPM GAUGE

A DPF LAMP BECM
A HEST LAMP BECM
A DISABLED LAMP

ENGINE HARNESS GROUND DISCONNECT SWITCH
COOLING FAN

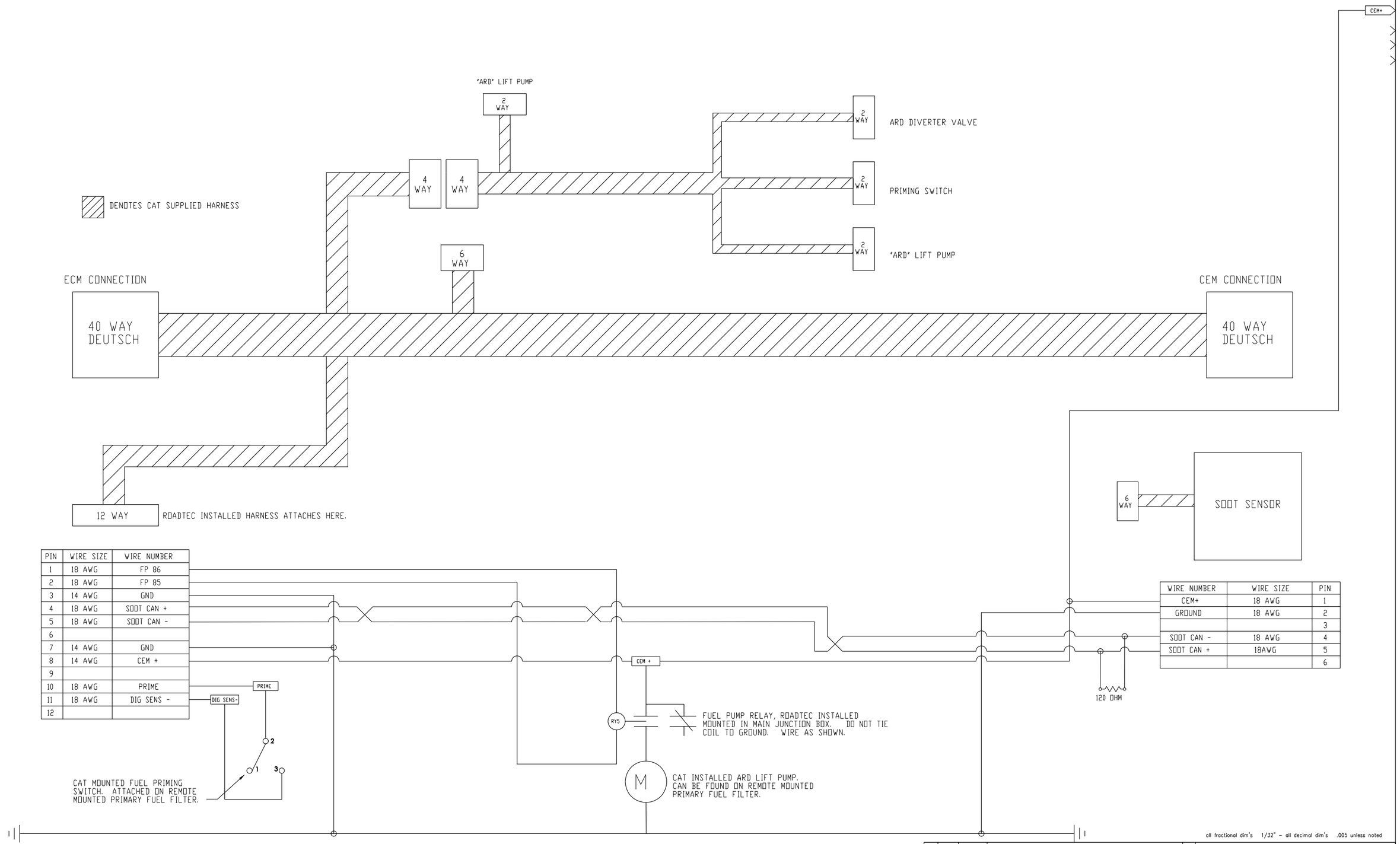
all fractional dim's 1/32" – all decimal dim's .005 unless noted

| REV. | SN# | DATE | ISSUES | BY |
|---|---|---|---|---|

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

| | | | |
|---|---|---|---|
| 1 REQ'D PER SB-2500E | SHEET NO 1 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. 0 |




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

| WIRE NUMBER | WIRE SIZE | PIN |
|---|---|---|
| CEM+ | 18 AWG | 1 |
| GROUND | 18 AWG | 2 |
| | | 3 |
| SOOT CAN - | 18 AWG | 4 |
| SOOT CAN + | 18AWG | 5 |
| | | 6 |

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

| REV. | SN# | DATE | ISSUES | BY |
|---|---|---|---|---|

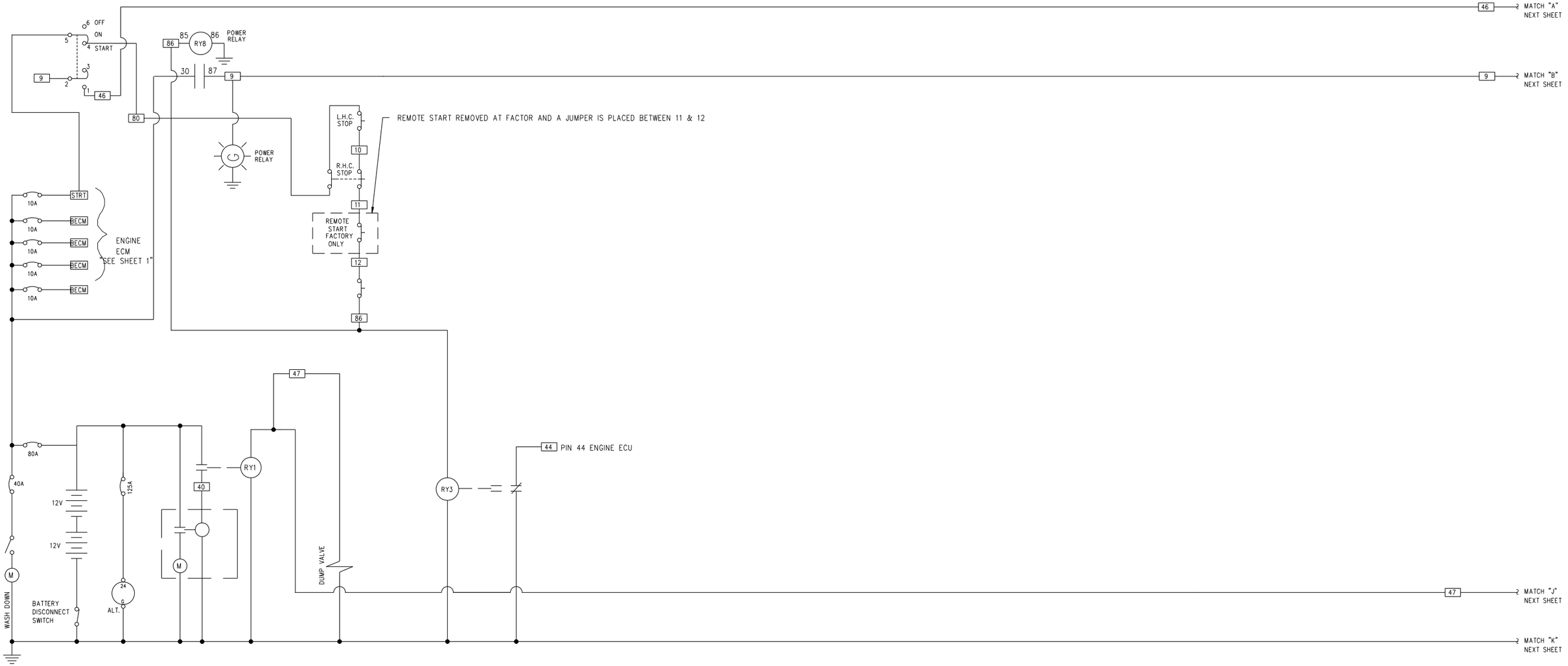
ROADTEC

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.: 0

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)

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

| REV. | SN# | DATE | ISSUES | BY |
|---|---|---|---|---|
| | | | | |

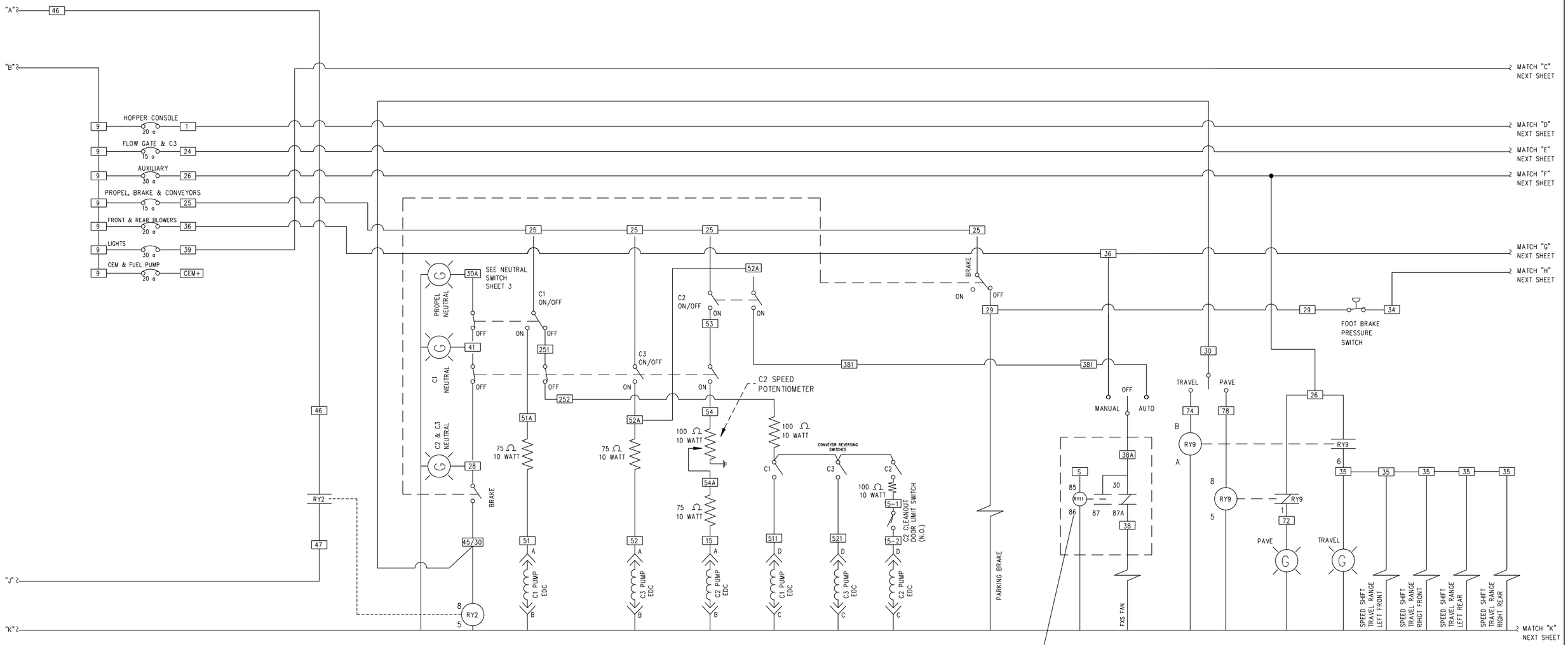
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

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

DRAWN BY: BP | TOTAL WT. (LBS): | DWG NO: 236356-01 | REV.: 0

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




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 |
|---|---|---|---|---|

ROADTEC

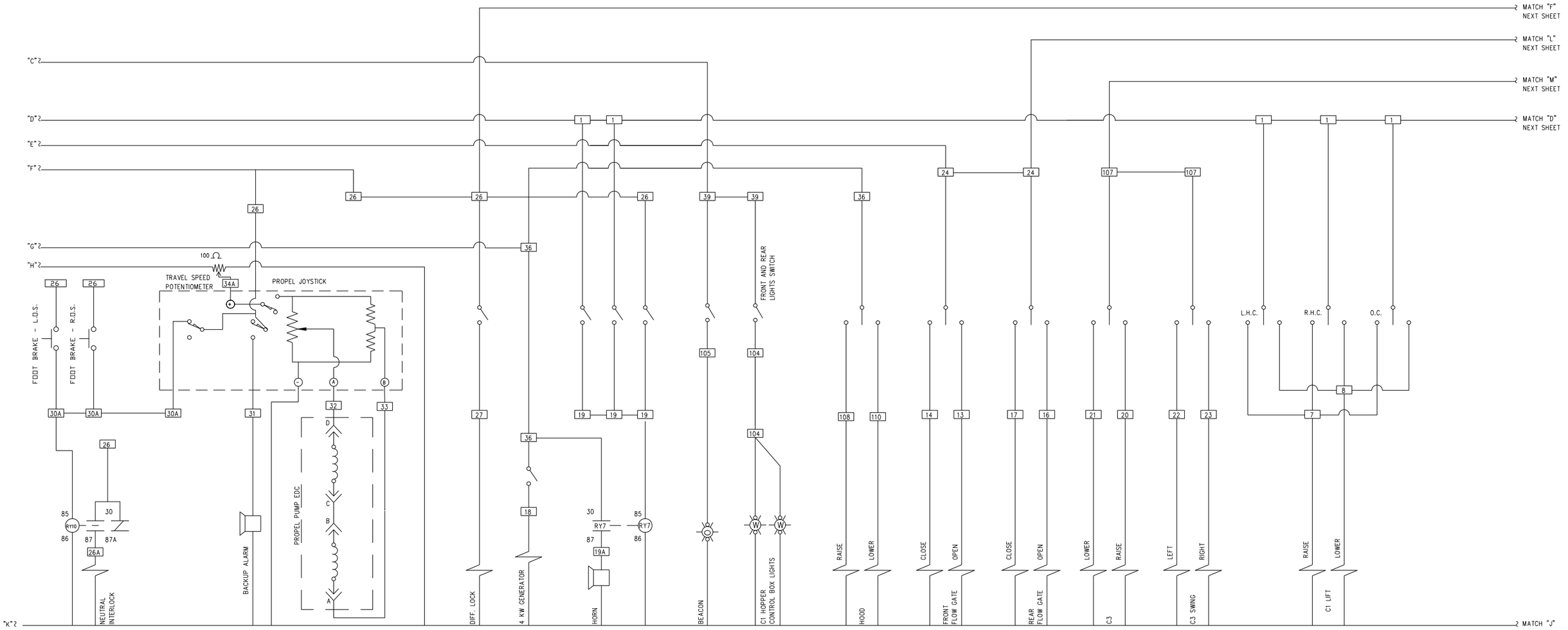
PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E

| SHEET NO | FAB CODE | EFFECTIVE S/N |
|---|---|---|
| 4 OF 6 | 603 | 2002 |

| DRAWN BY | TOTAL WT. (LBS) | DWG NO | REV. |
|---|---|---|---|
| BP | | 236356-01 | 0 |

SCALE 1=1 DATE 1-20-11




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

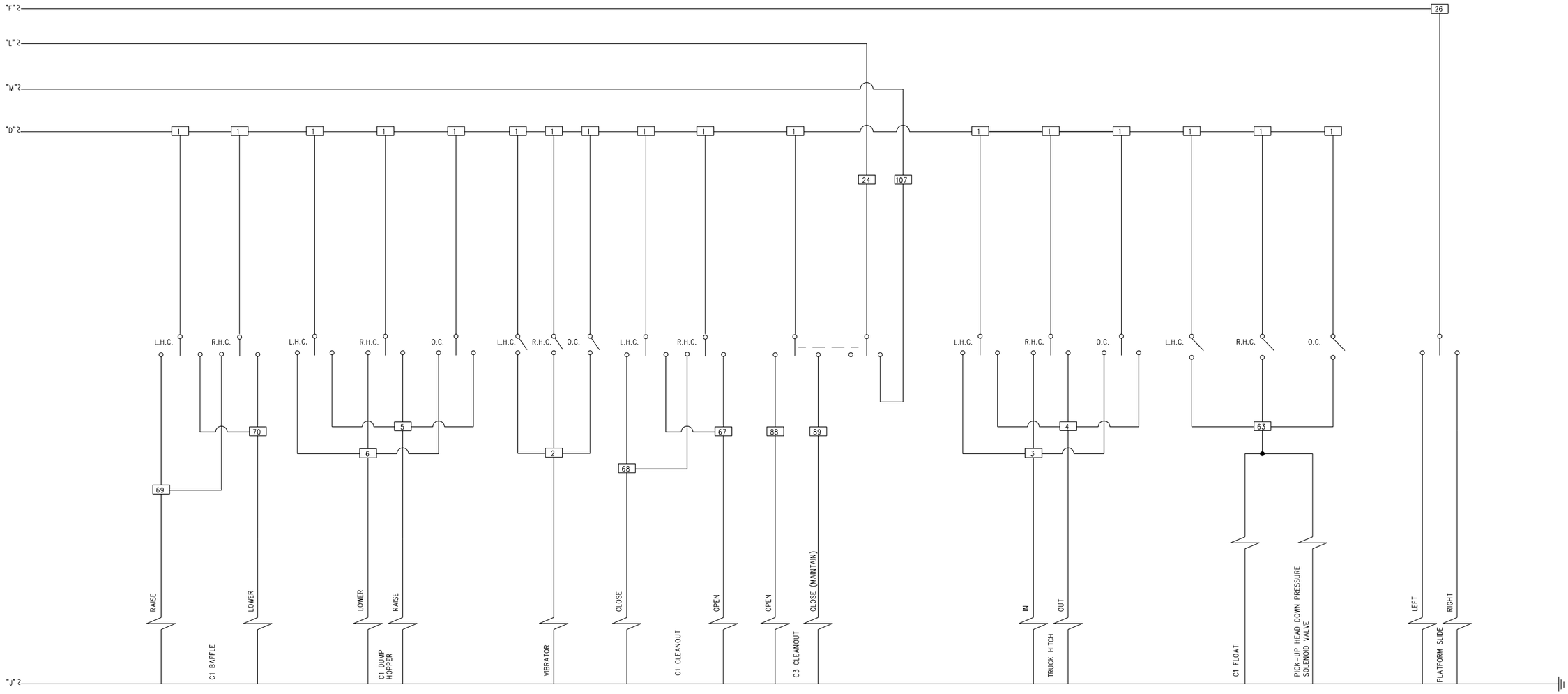
| REV. | SN# | DATE | ISSUES | BY |
|---|---|---|---|---|
| | | | | |

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

1 REQ'D PER: SB-2500E

| DRAWN BY | TOTAL WT. (LBS) | SHEET NO | FAB CODE | EFFECTIVE S/N |
|---|---|---|---|---|
| BP | | 5 OF 6 | 603 | 2002 |
| SCALE: 1=1 | DATE: 1-20-11 | DWG NO: 236356-01 | | REV: 0 |




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

| REV. | SN# | DATE | ISSUES | BY |
|---|---|---|---|---|
| | | | | |

ROADTEC

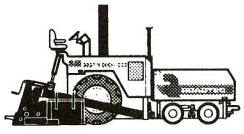
PART NAME: ELECTRICAL SCHEMATIC SB-2500E TIER IV

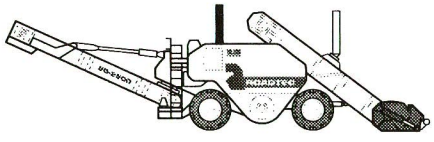
| 1 REQ'D PER | SB-2500E | SHEET NO | FAB CODE | EFFECTIVE S/N |
|---|---|---|---|---|
| | | 6 OF 6 | 603 | 2002 |
| DRAWN BY | TOTAL WT. (LBS) | DWG NO | | REV. |
| BP | | 236356-01 | | 0 |
| SCALE | DATE | | | |
| 1=1 | 1-20-11 | | | |

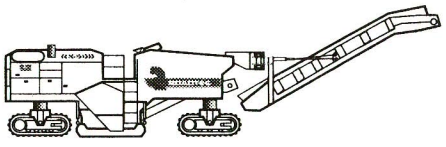
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







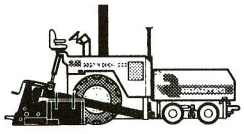
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

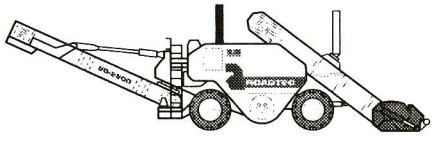
ROADTEC
an Astec Industries Company

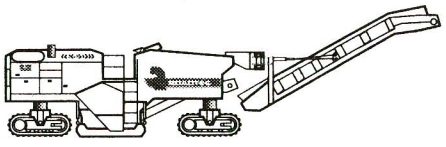
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

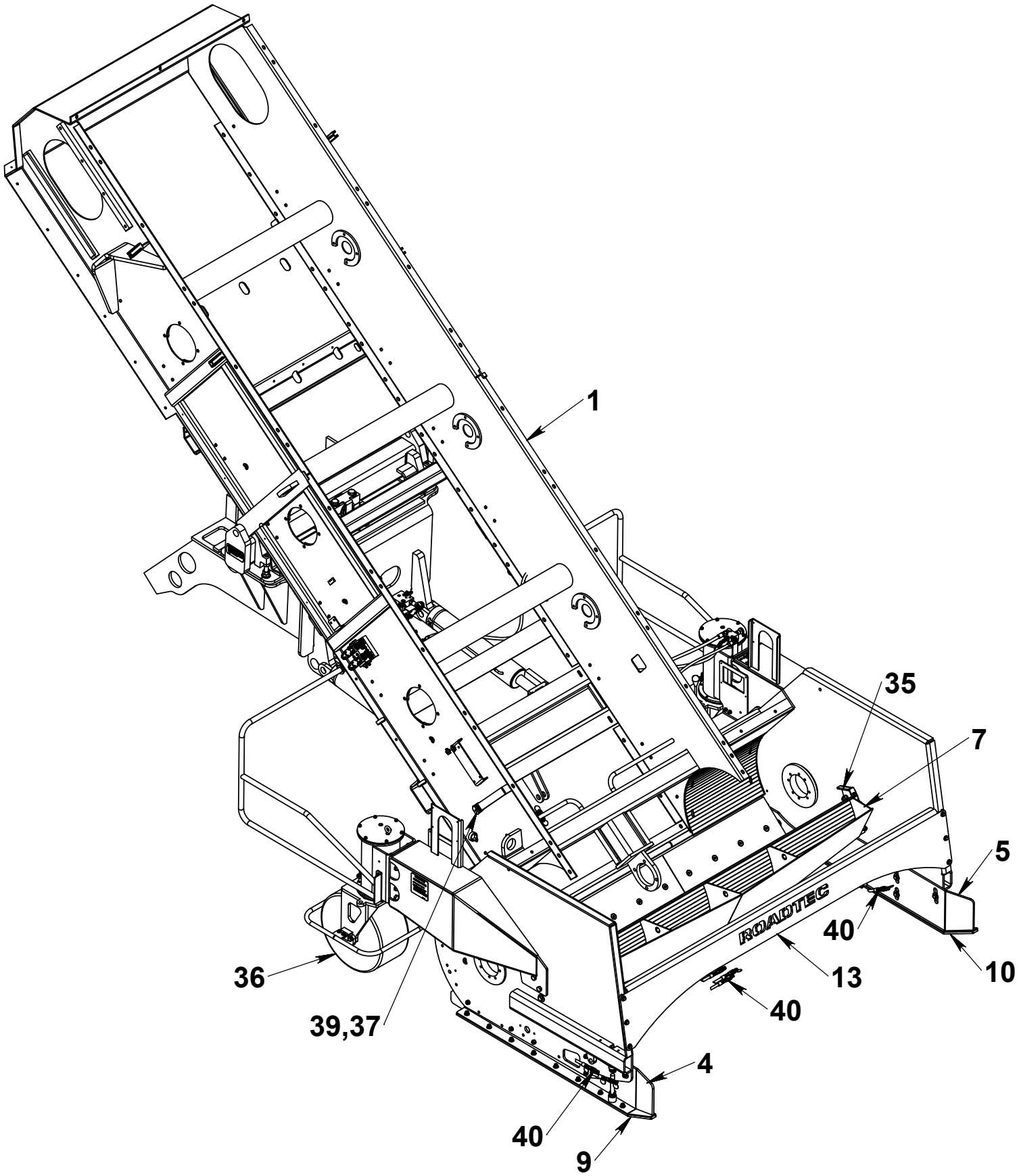
ROADTEC
an Astec Industries Company

# 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 |

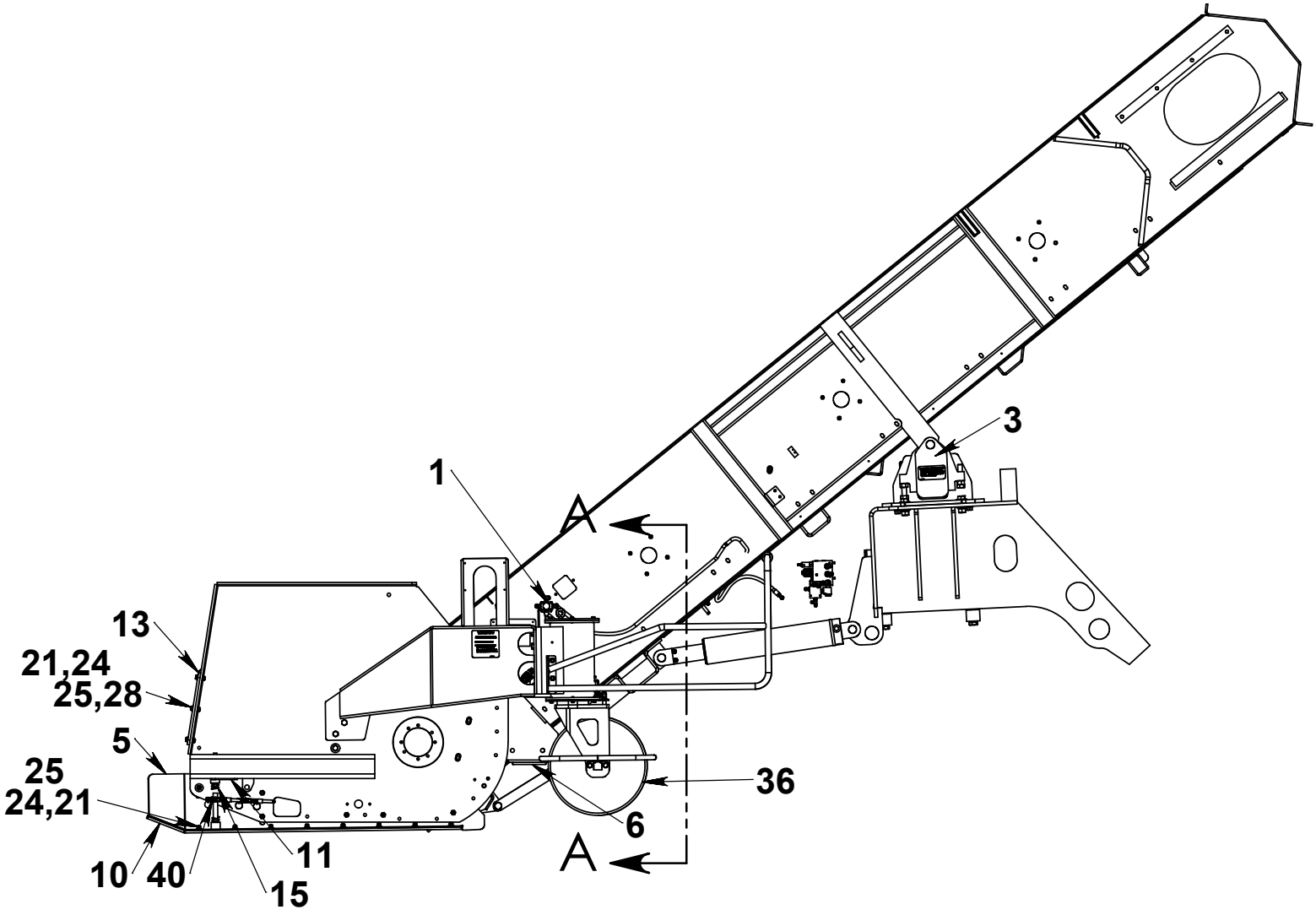
# ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)

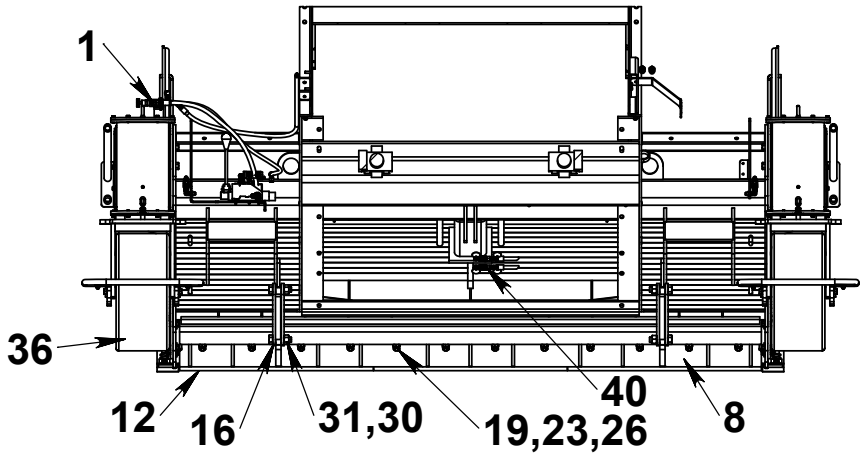
NEXT PAGE



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



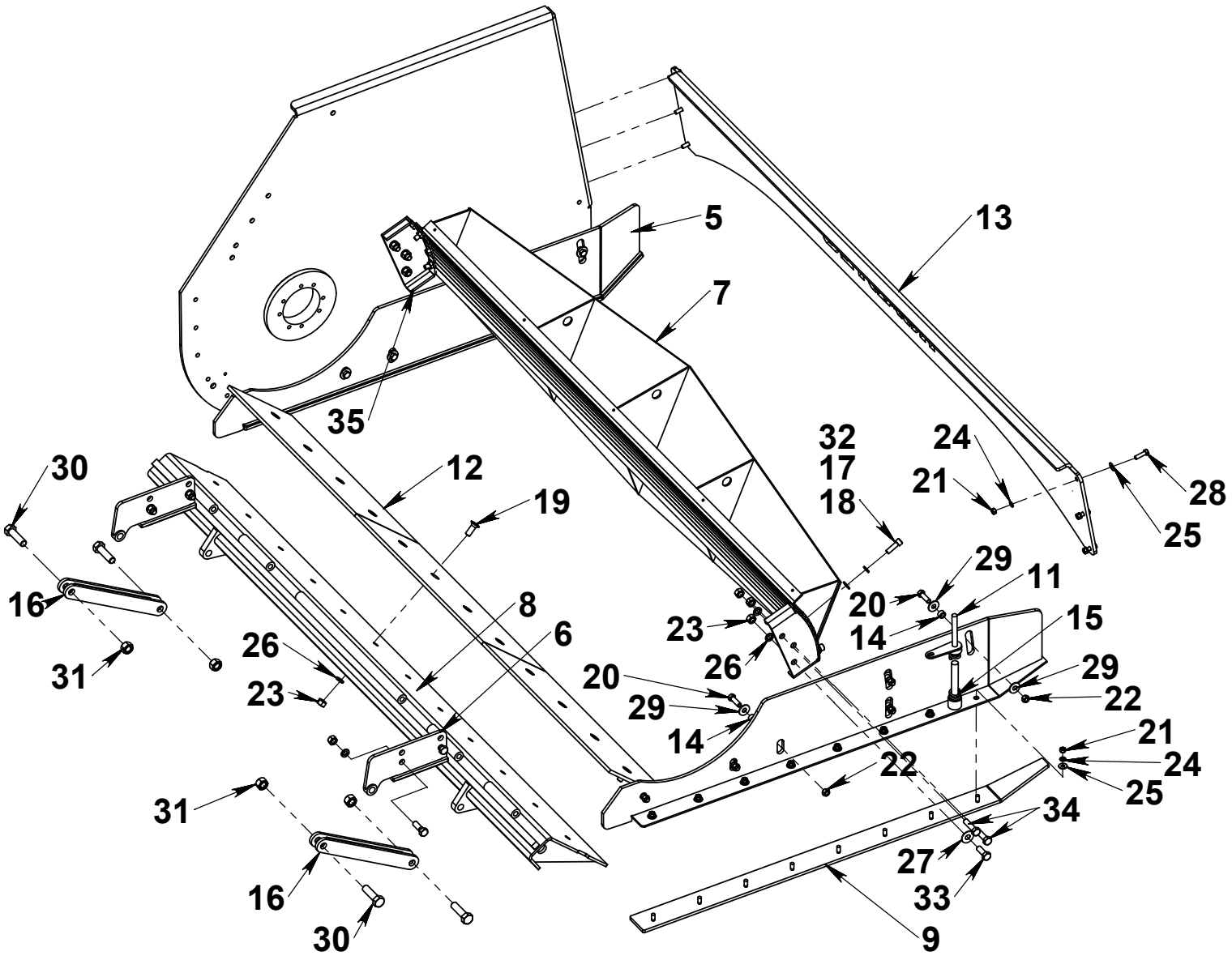



SECTION A-A

PREVIOUS PAGE

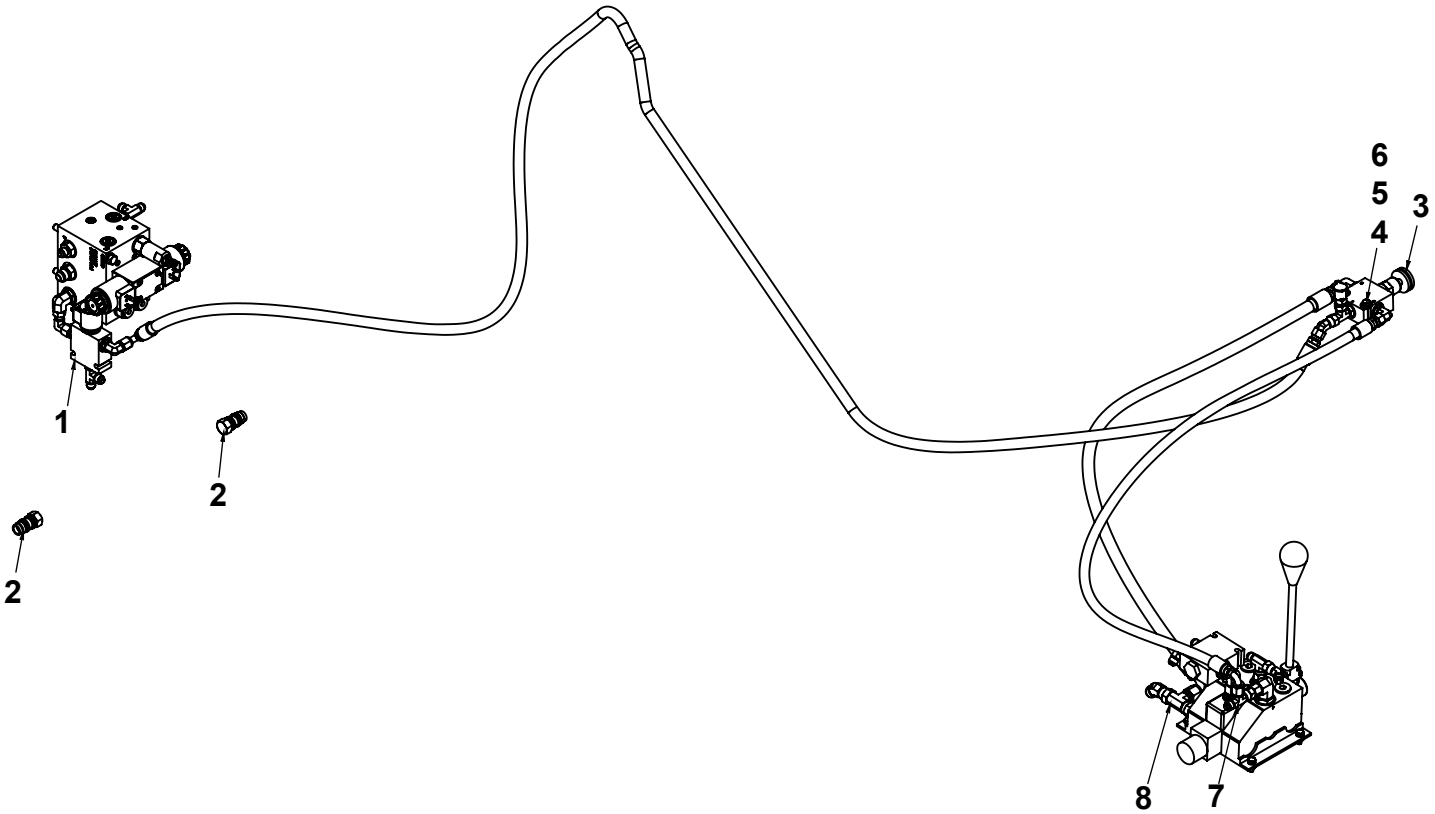
# ASSY-WINDROW W/CASTERS W/DUMP 2500E (238885-01)



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

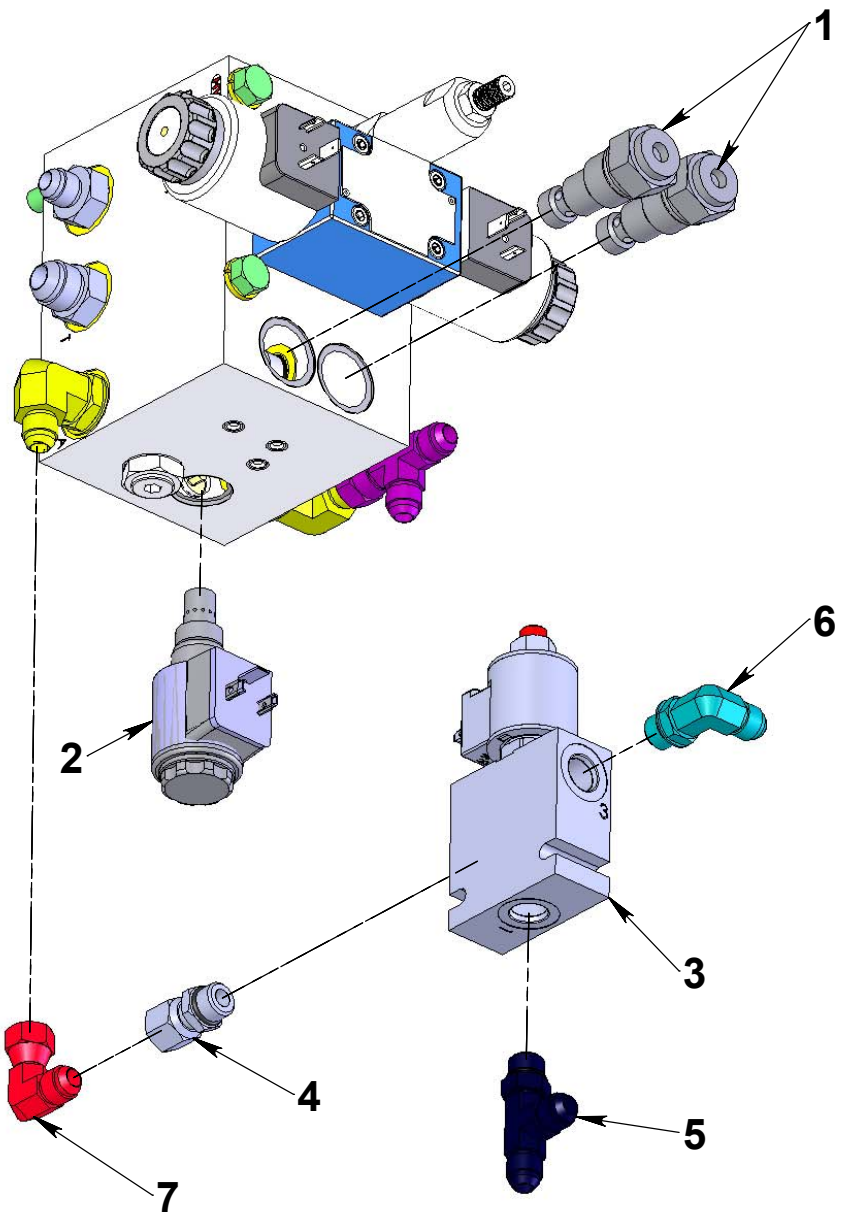
| ITEM # | PART # | DESCRIPTION | Default/ QTY |
|---|---|---|---|
| 1 | 237143-01 | ASSY-HYD WINDROW W/CSTR &DUMP 2500E | 1 |
| 2 | 239164-01 | ASSY-ELEC WINDROW W/ CASTERS 2500E | 1 |
| 3 | 236989-01 | ASSEMBLY-WINDROW PIVOT 2500E T4 | 1 |
| 4 | 235045-01 | WELDMENT-R.H. WINDROW SKI 2500E | 1 |
| 5 | 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 |

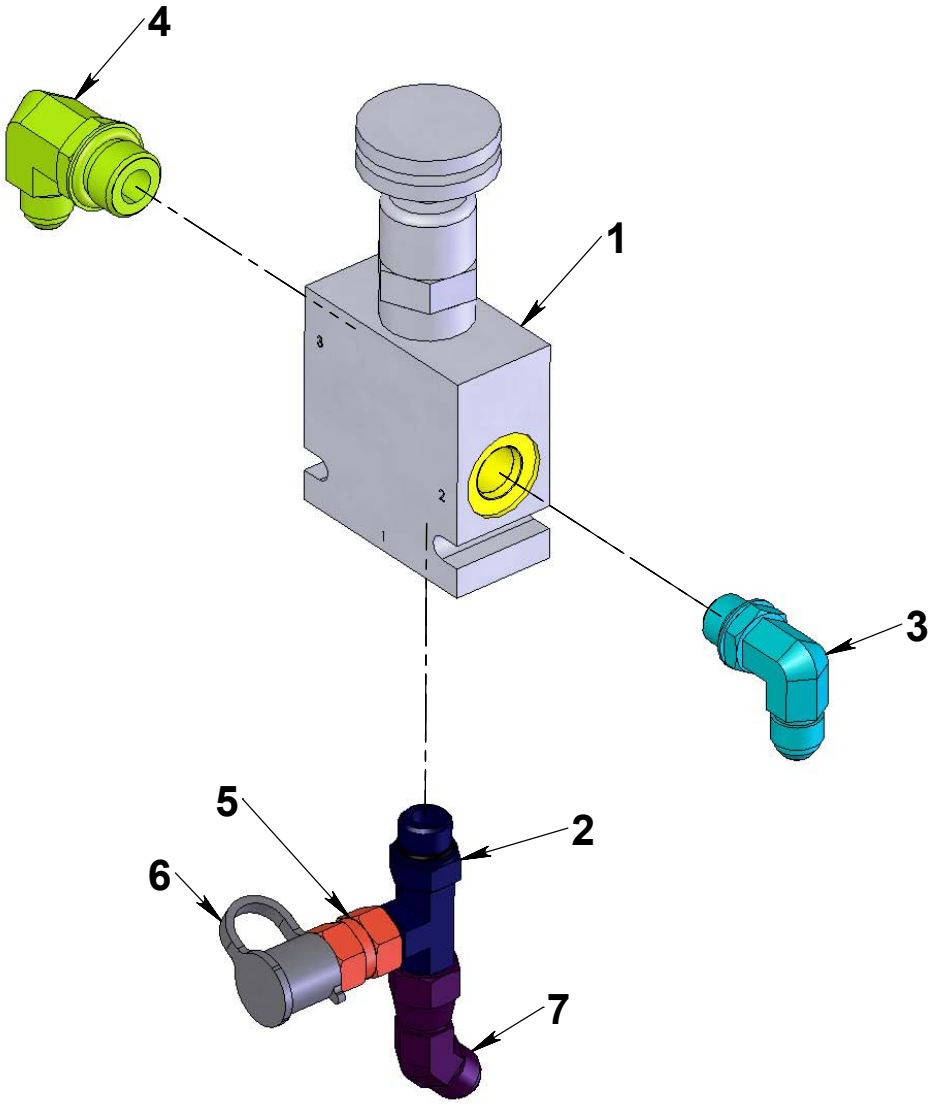
# ASSY. - C-1 RAISE/LOWER MANIFOLD SB-2500E WINDROW (238950-03)




**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 |

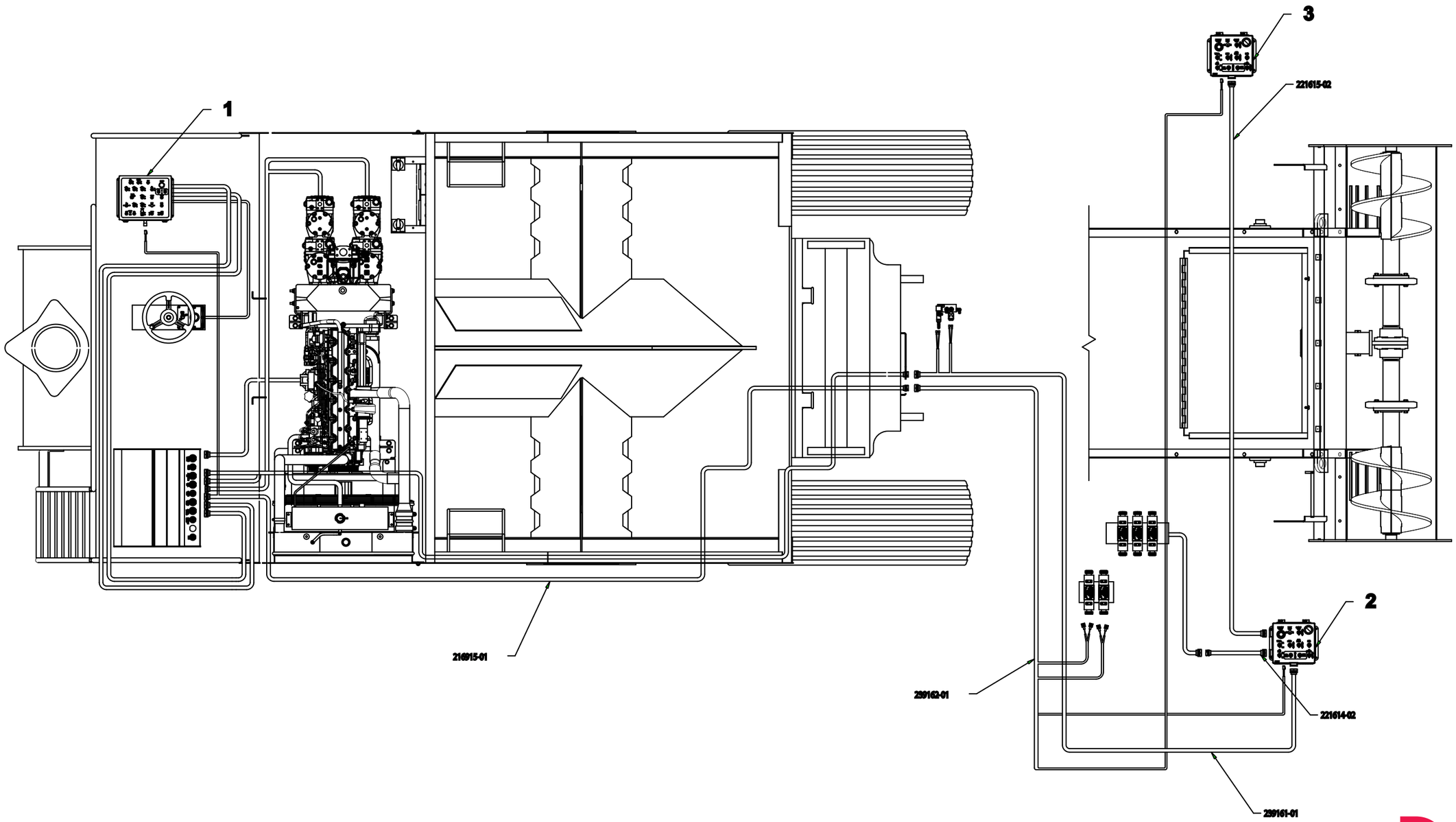
# ASSY-PRESS REDUCING VALVE
# (212044-04)




| 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 )

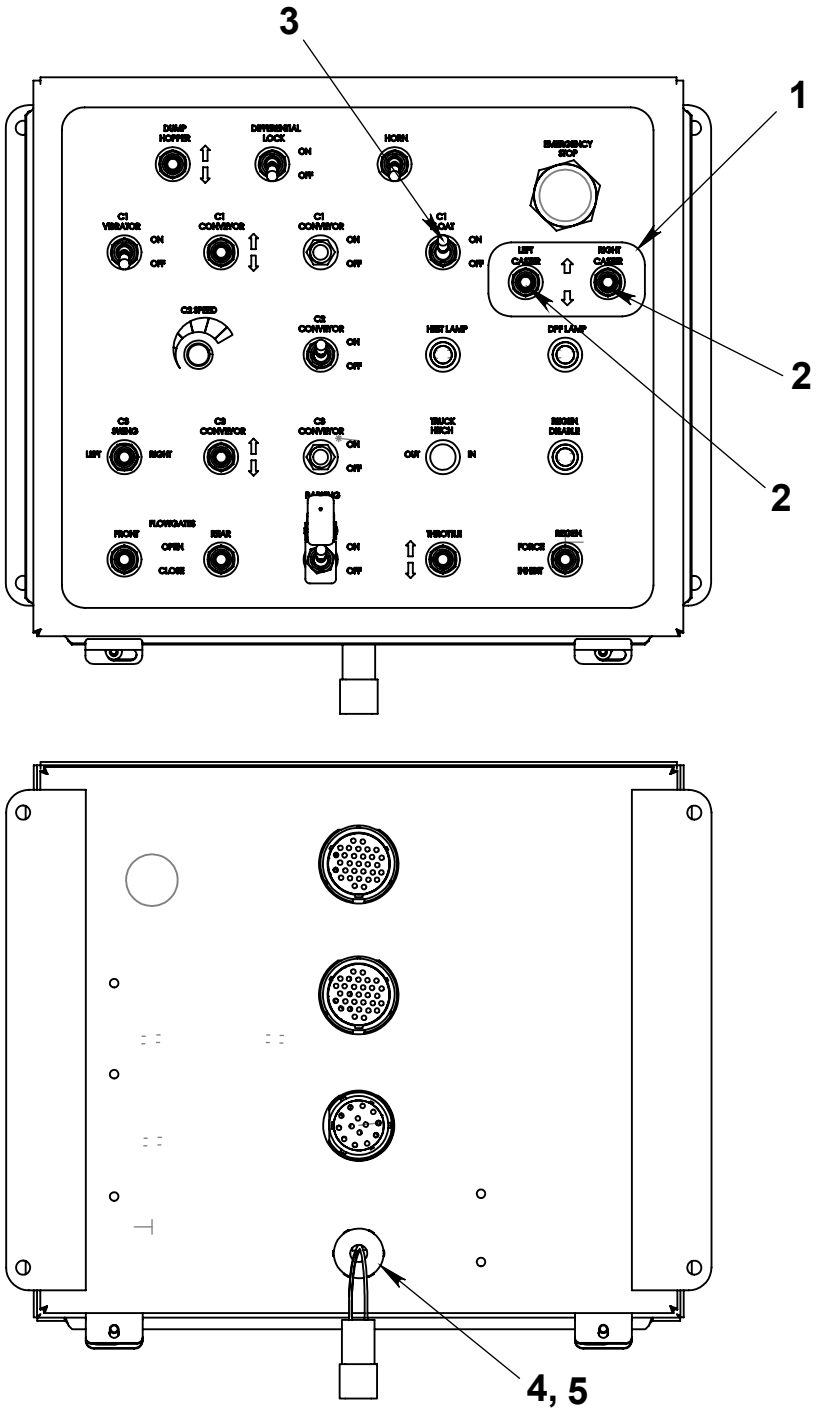
| ITEM | PART # | DESCRIPTION | QTY |
|---|---|---|---|
| 1 | 239142-01 | STEERING BOX WINDROW CASTER | 1 |
| 2 | 239143-01 | RIGHT HAND C1 CONTROL BOX WINDROW CASTER | 1 |
| 3 | 239144-01 | LEFT HAND C1 CONTROL BOX WINDROW CASTER | 1 |
| 4 | 239163-04 | WIRE HARNESS KIT ~ WINDROW CASTER | 1 |
| 5 |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






ROADTEC
an Astec Industries Company

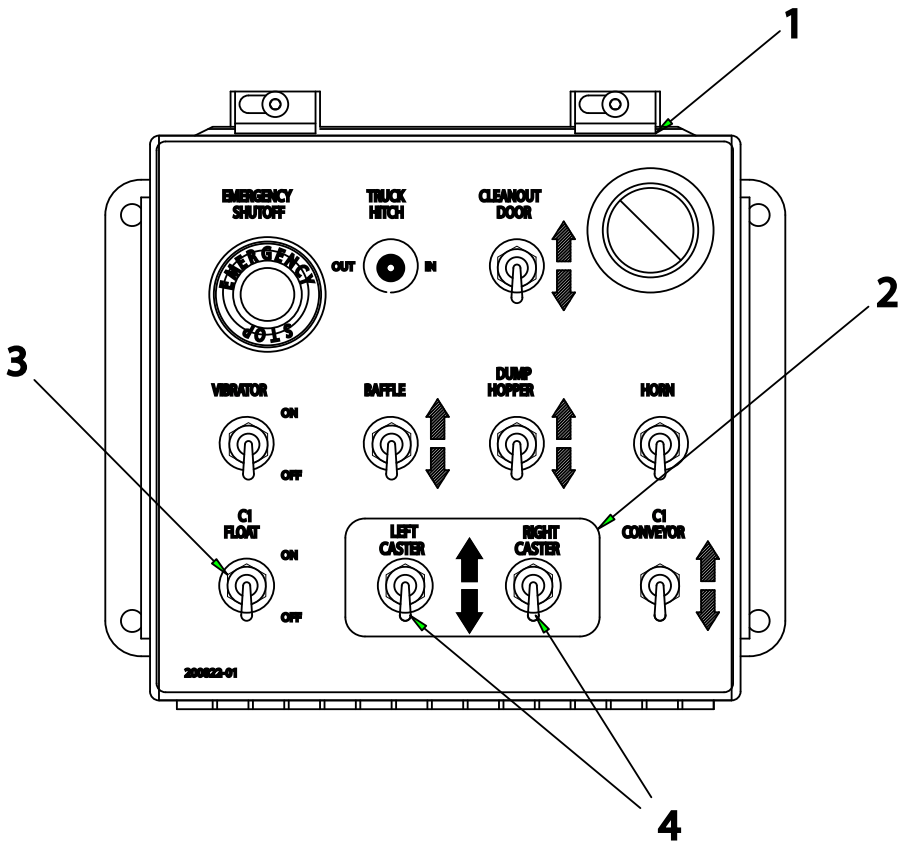
# ASSY.-WINDROW STEERING BOX
# ( 239142-01 )

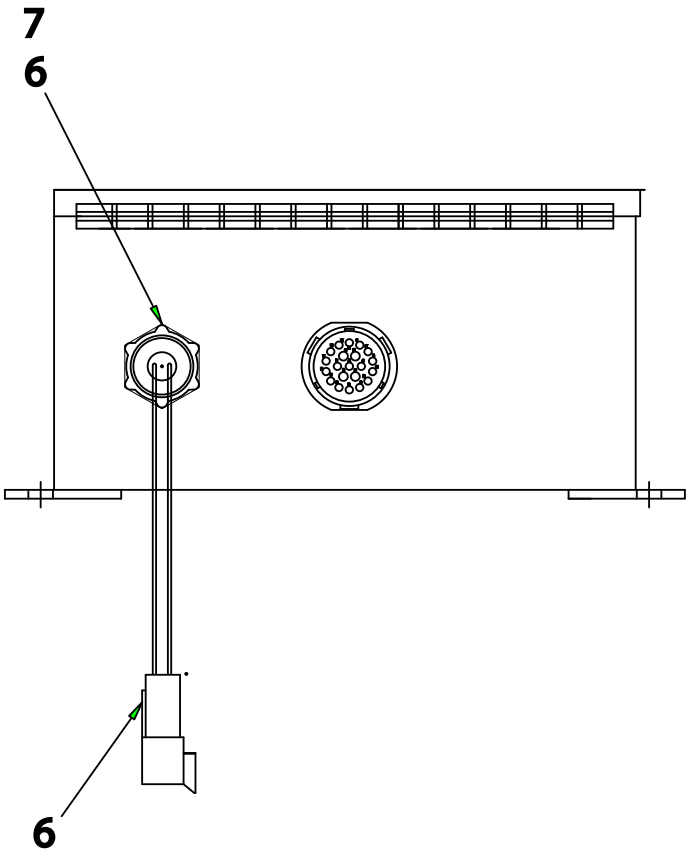



| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 239156-04 | DATA PLATE ~ WINDROW CASTER OPTION | 1 |
| 2 | 139471 | SWITCH * TOGGLE MOMENTARY SPRING SPDT | 2 |
| 3 | 13E68 | SWITCH * TOGGLE SP ST ON/OFF | 1 |
| 4 | 80645-04 | ELEC * CGB 193 CONNECTOR 1/2" | 1 |
| 5 | 80643-04 | NUT *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

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

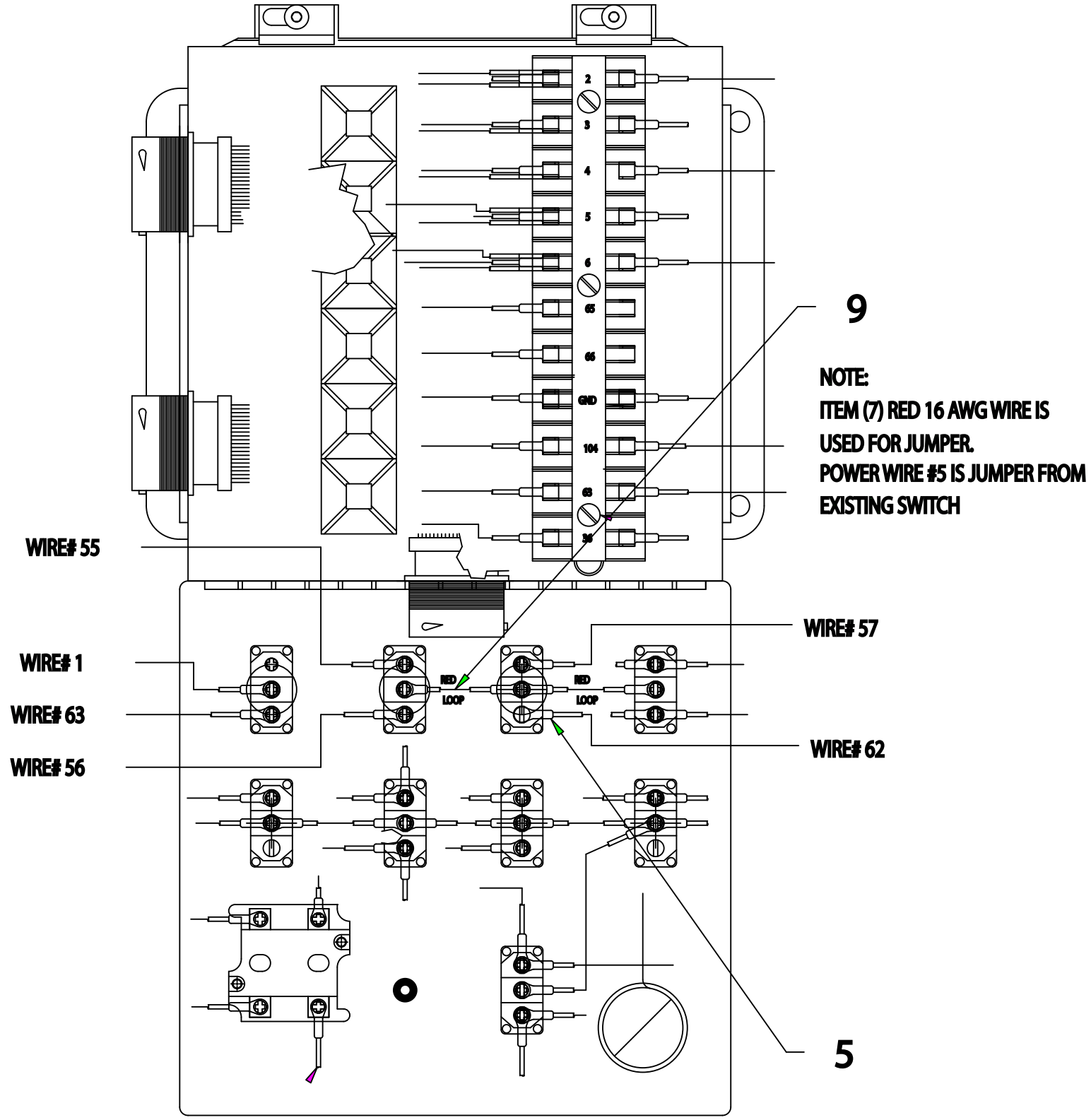
NEXT PAGE



PREVIOUS PAGE

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

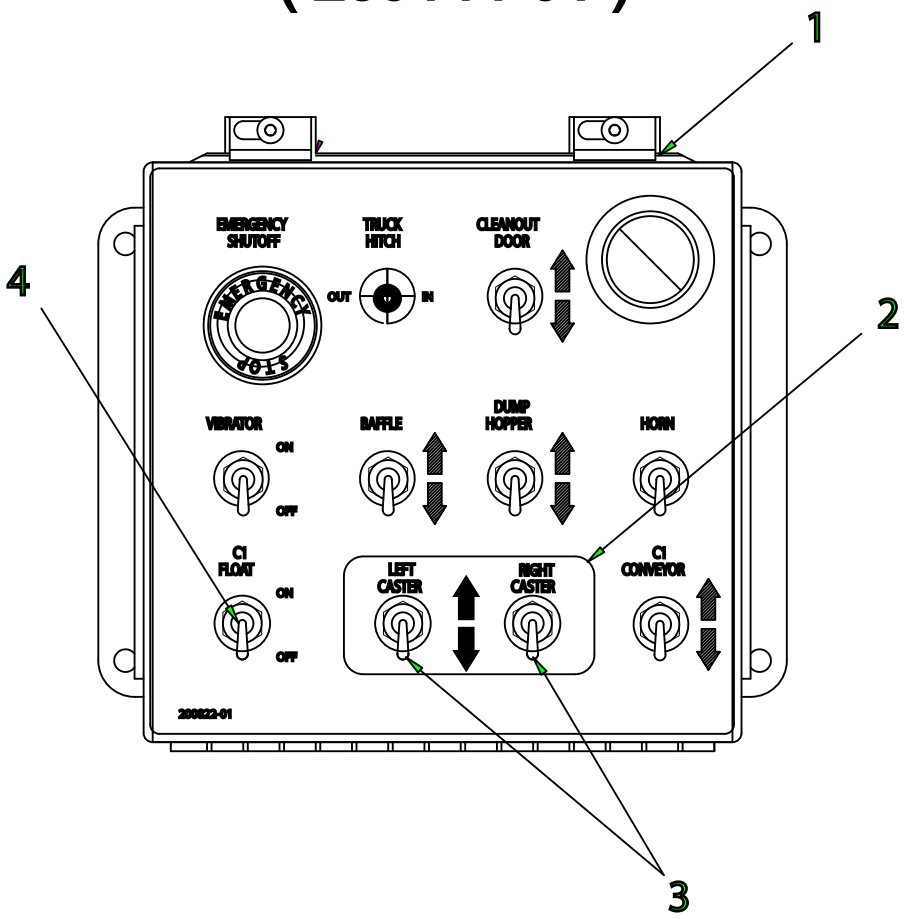


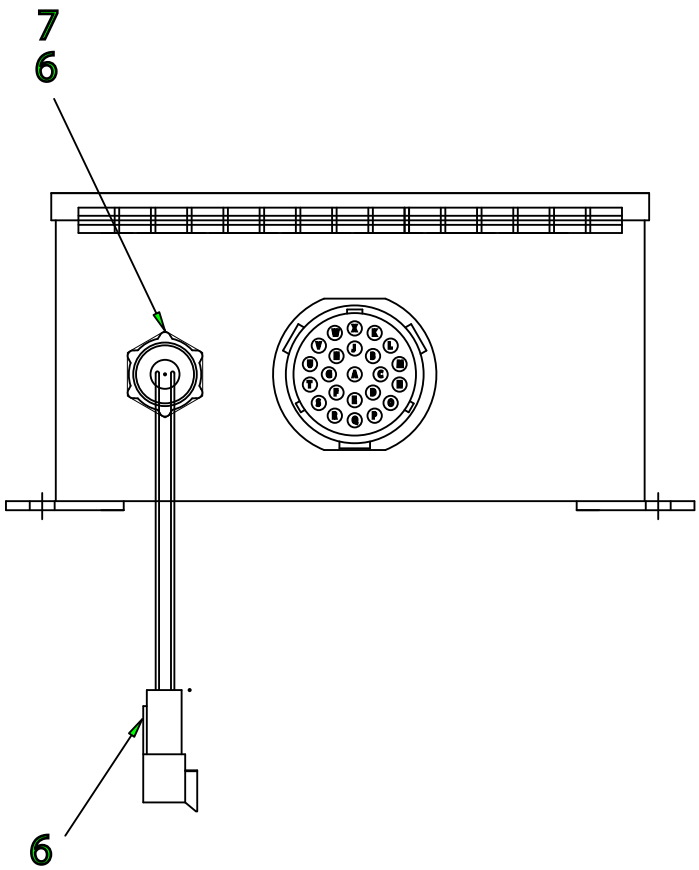
# R.H. C1 CONTROL BOX ( WINDROW )
# ( 239143-01 )

| 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 )

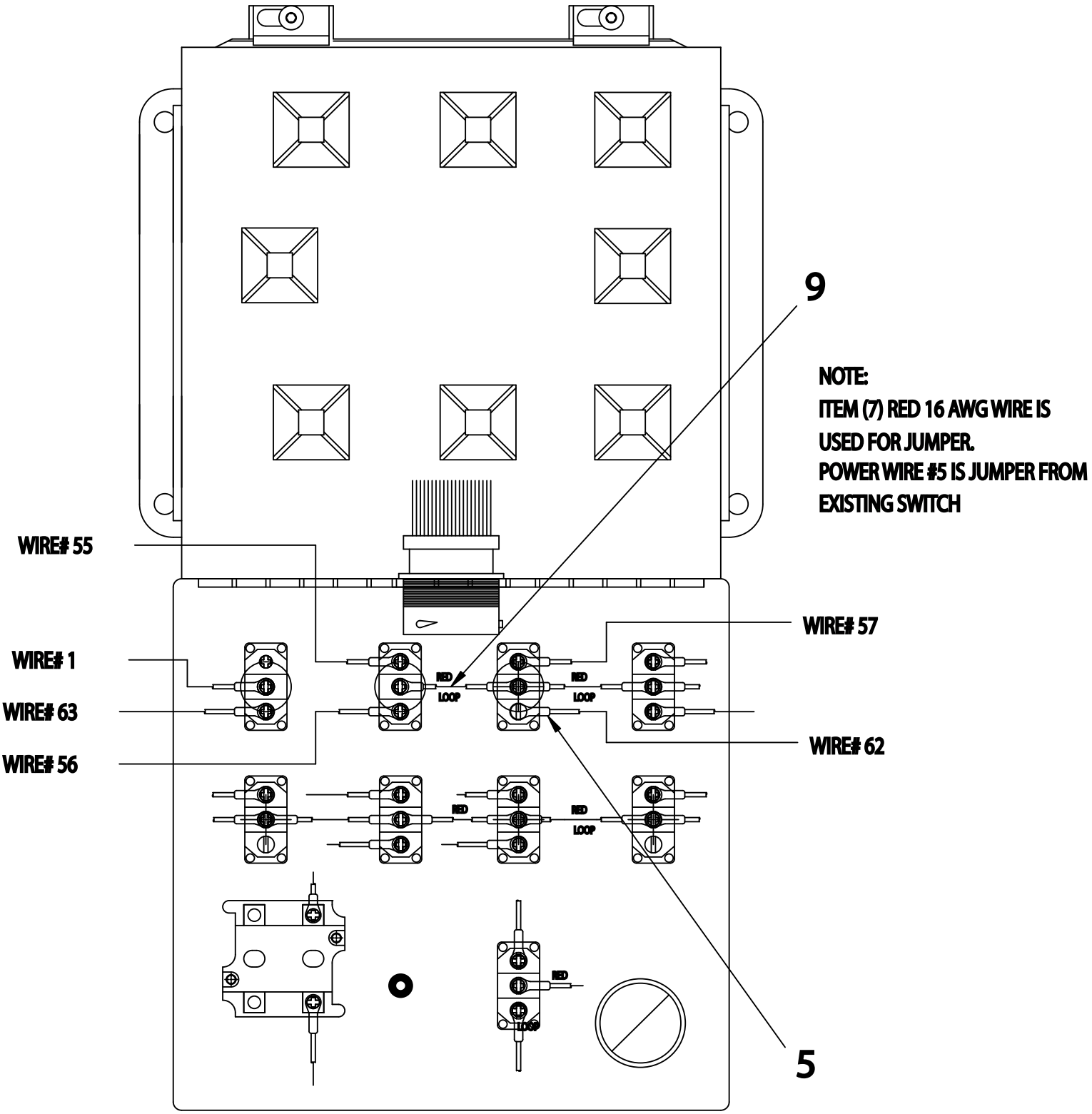
NEXT PAGE



PREVIOUS PAGE

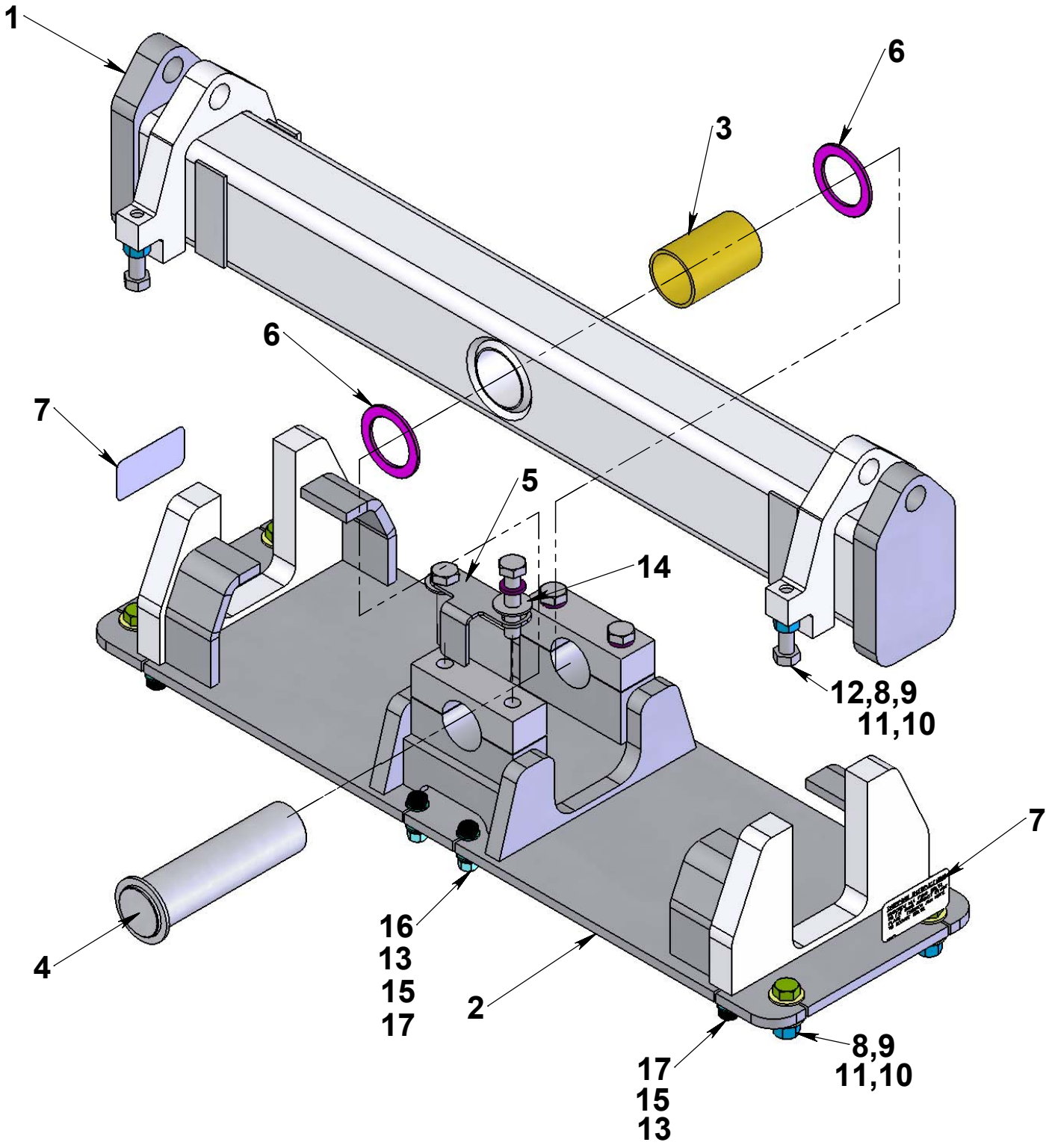
# L.H. C1 CONTROL BOX ASSEMBLY
# ( 239144-01 )



# 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" |

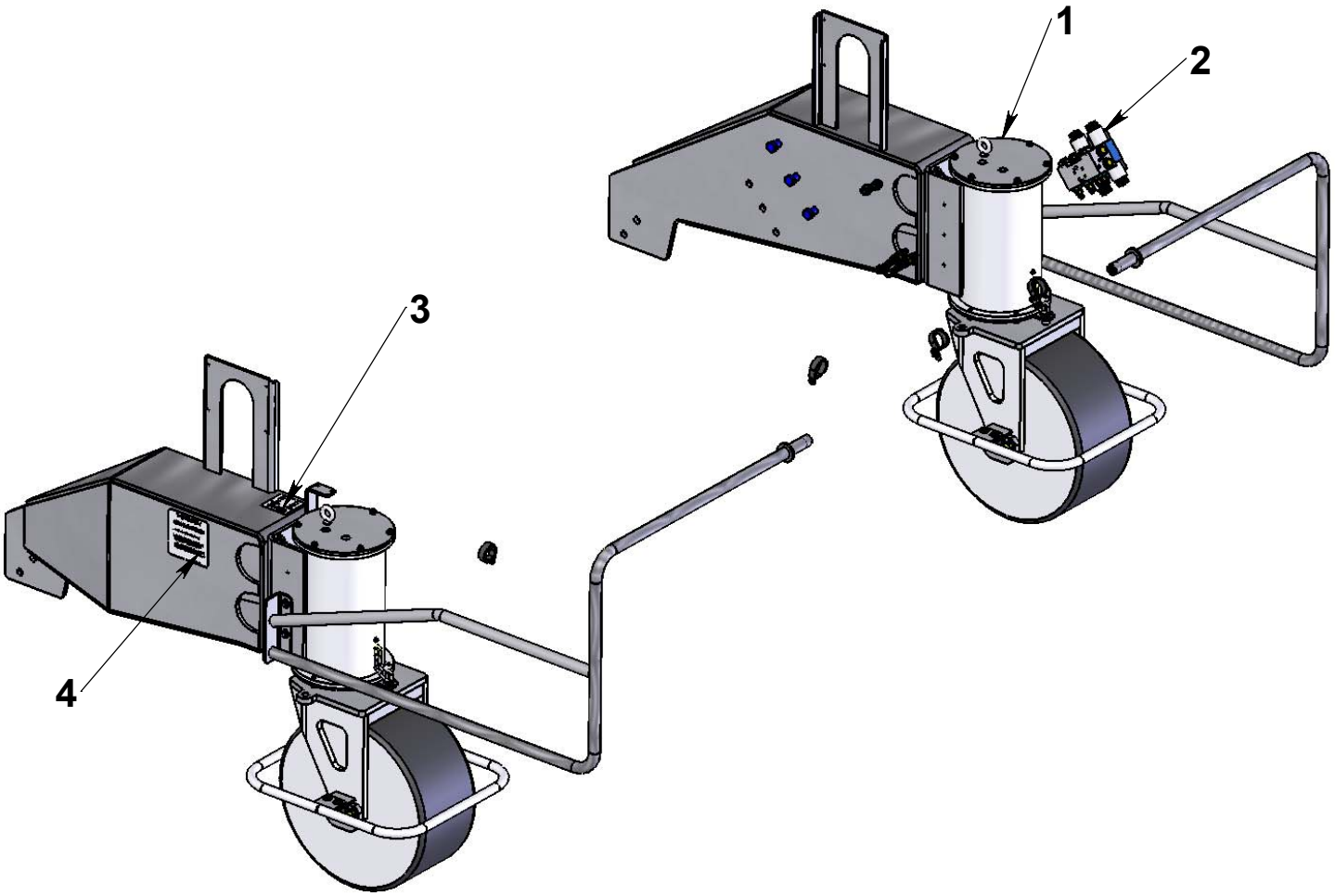
# ASSEMBLY-WINDROW PIVOT 2500E T4
# (236989-01)



# 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 |

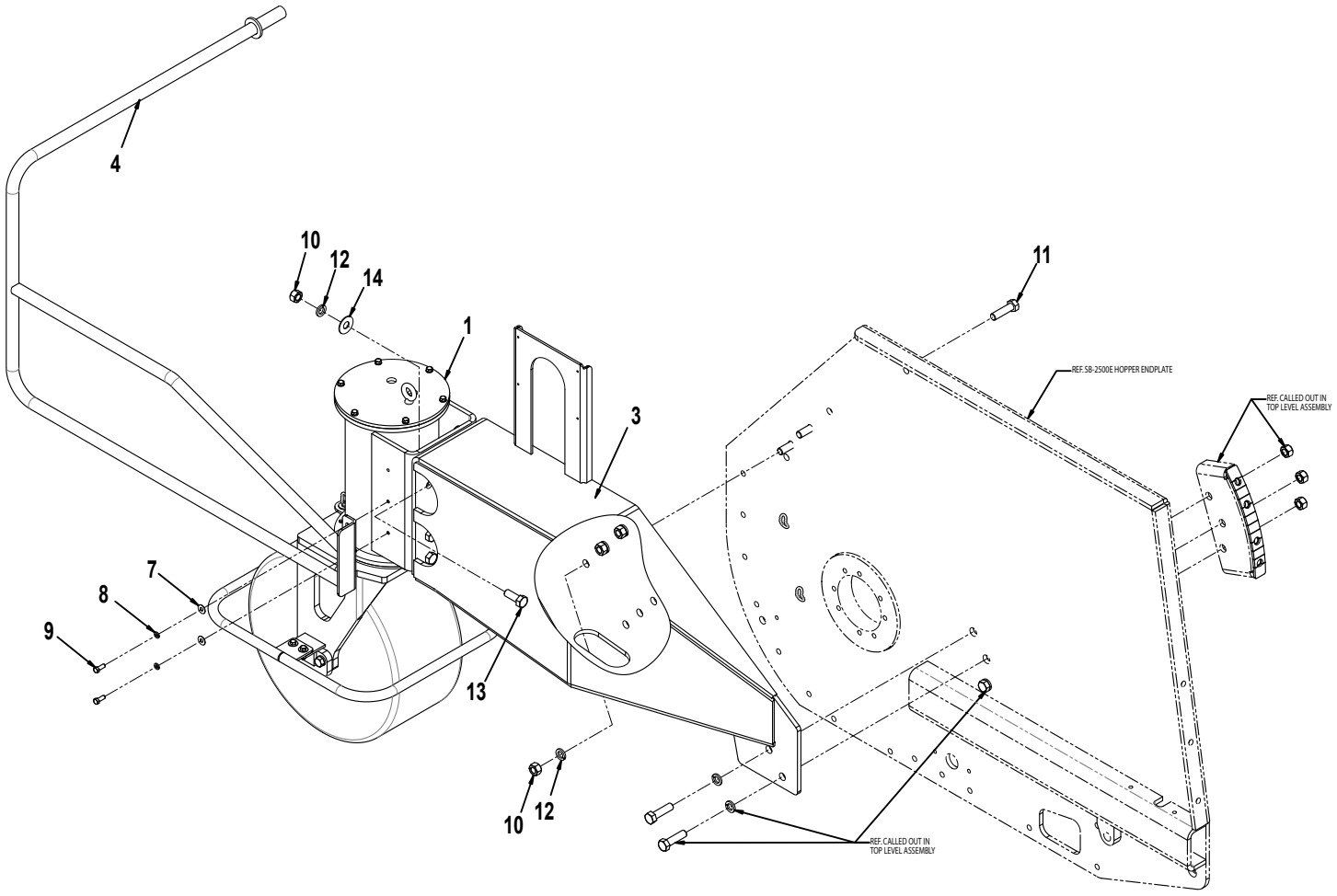
# ASSY-WINDROW CASTERS & HYD 2500E (238884-04)




| 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 )

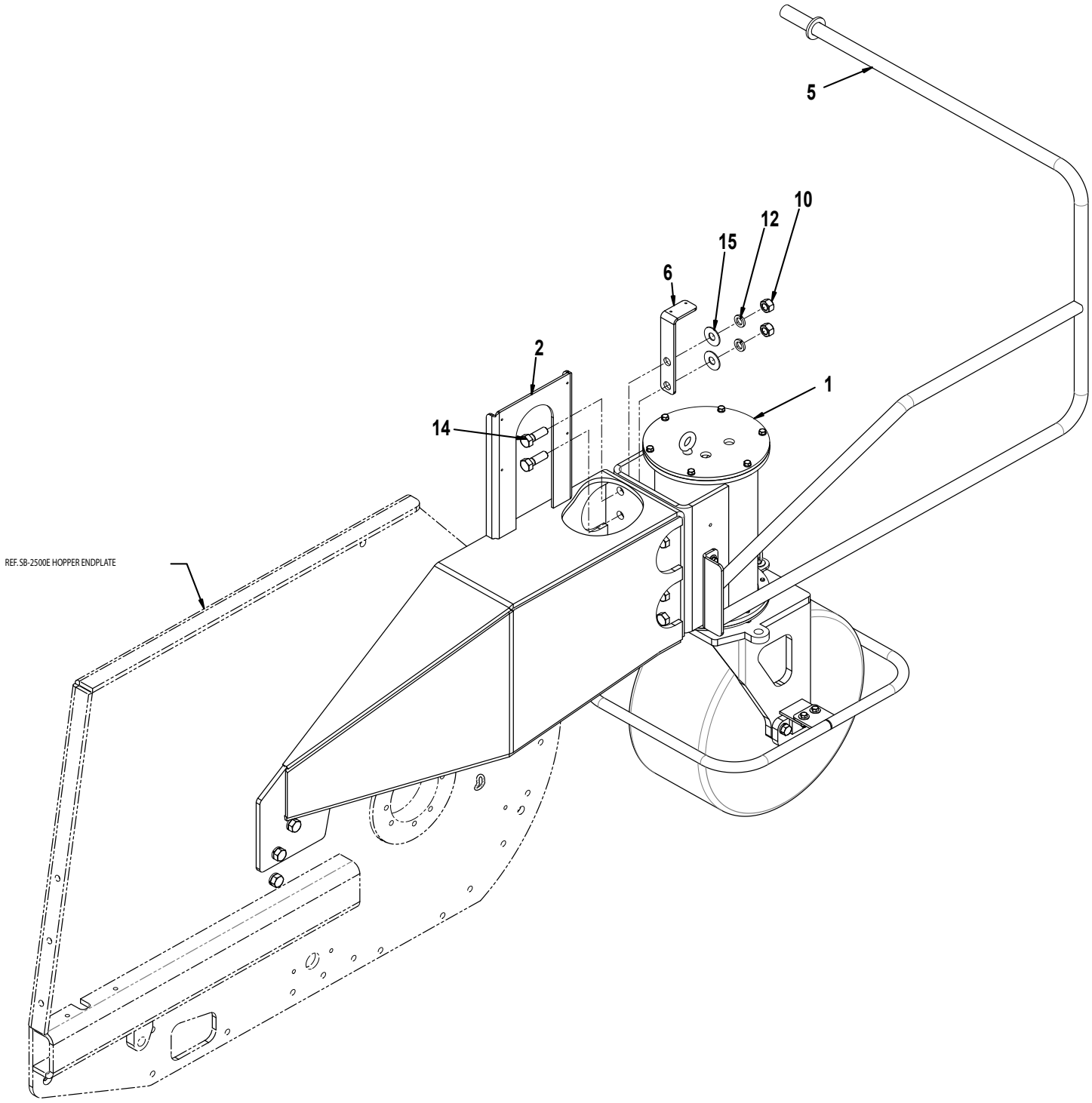
NEXT PAGE




R.H. ASSEMBLY

PREVIOUS PAGE

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



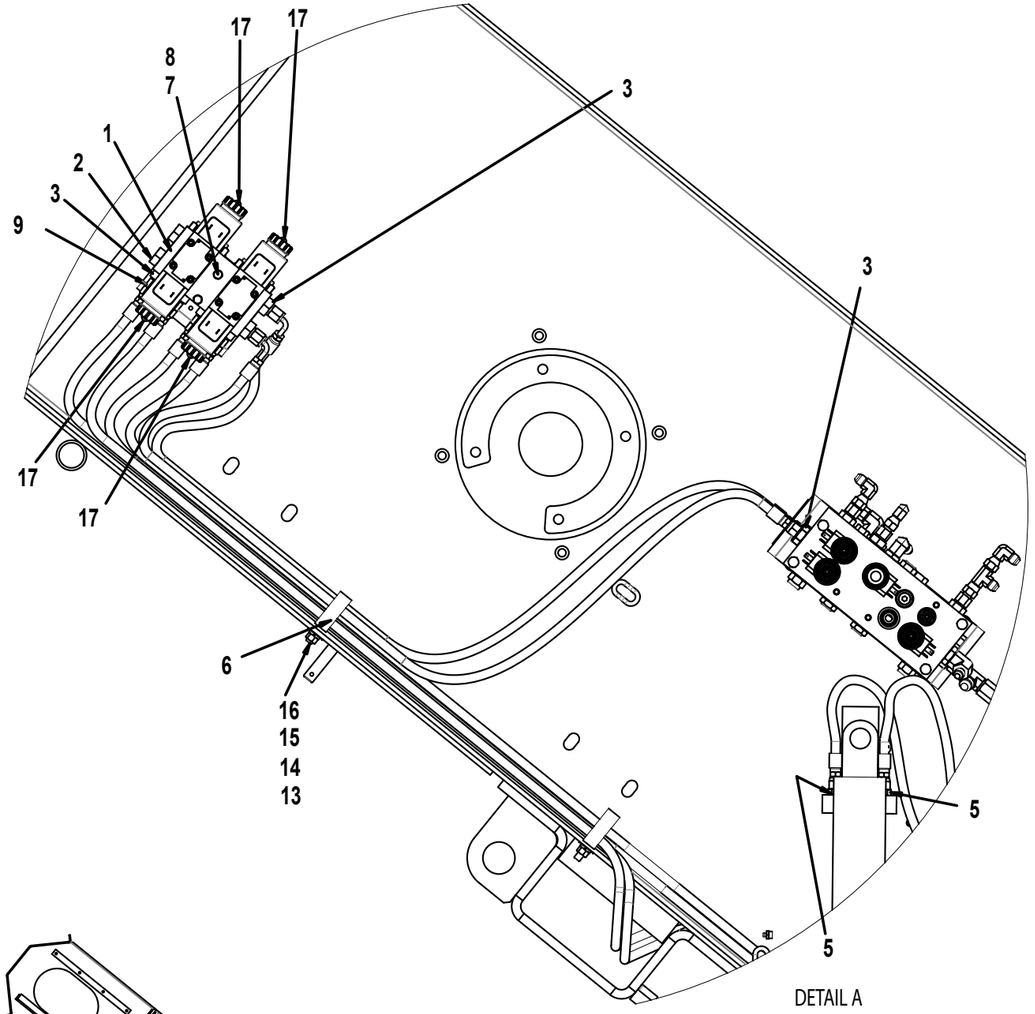
# SB-2500E WINDROW CASTERS ASSY.
# ( 235403-01 )

| 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 )

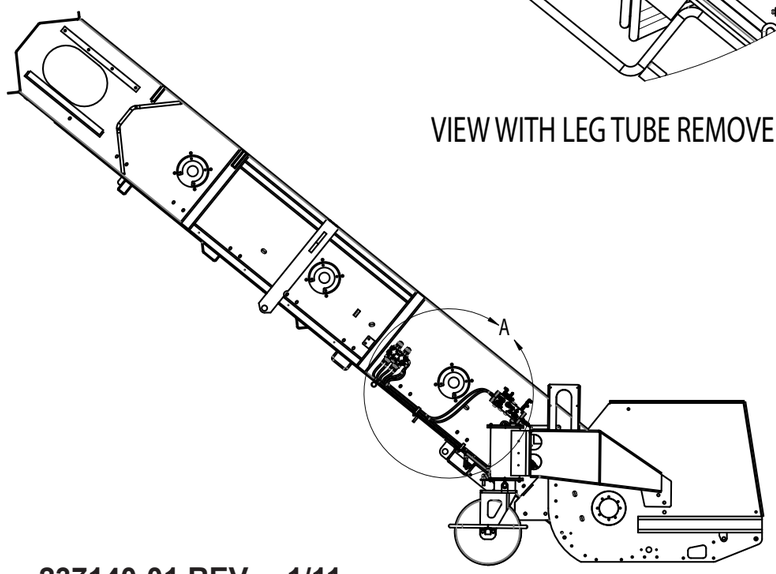
NEXT PAGE

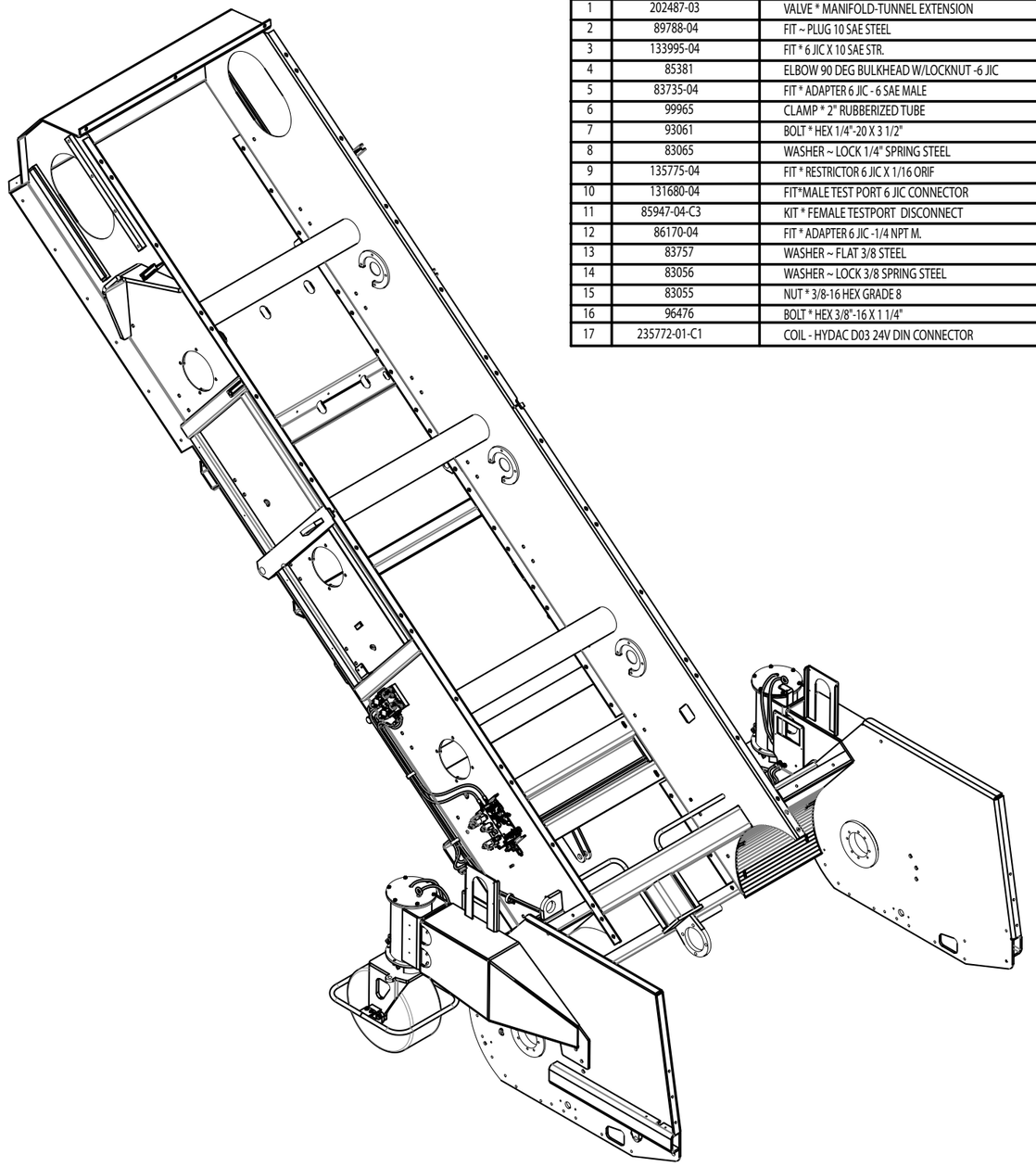
| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 202487-03 | VALVE * MANIFOLD-TUNNEL EXTENSION | 1 |
| 2 | 89788-04 | FIT ~ PLUG 10 SAE STEEL | 2 |
| 3 | 133995-04 | FIT * 6 JIC X 10 SAE STR. | 8 |
| 4 | 85381 | ELBOW 90 DEG BULKHEAD W/LOCKNUT -6 JIC | 4 |
| 5 | 83735-04 | FIT * ADAPTER 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



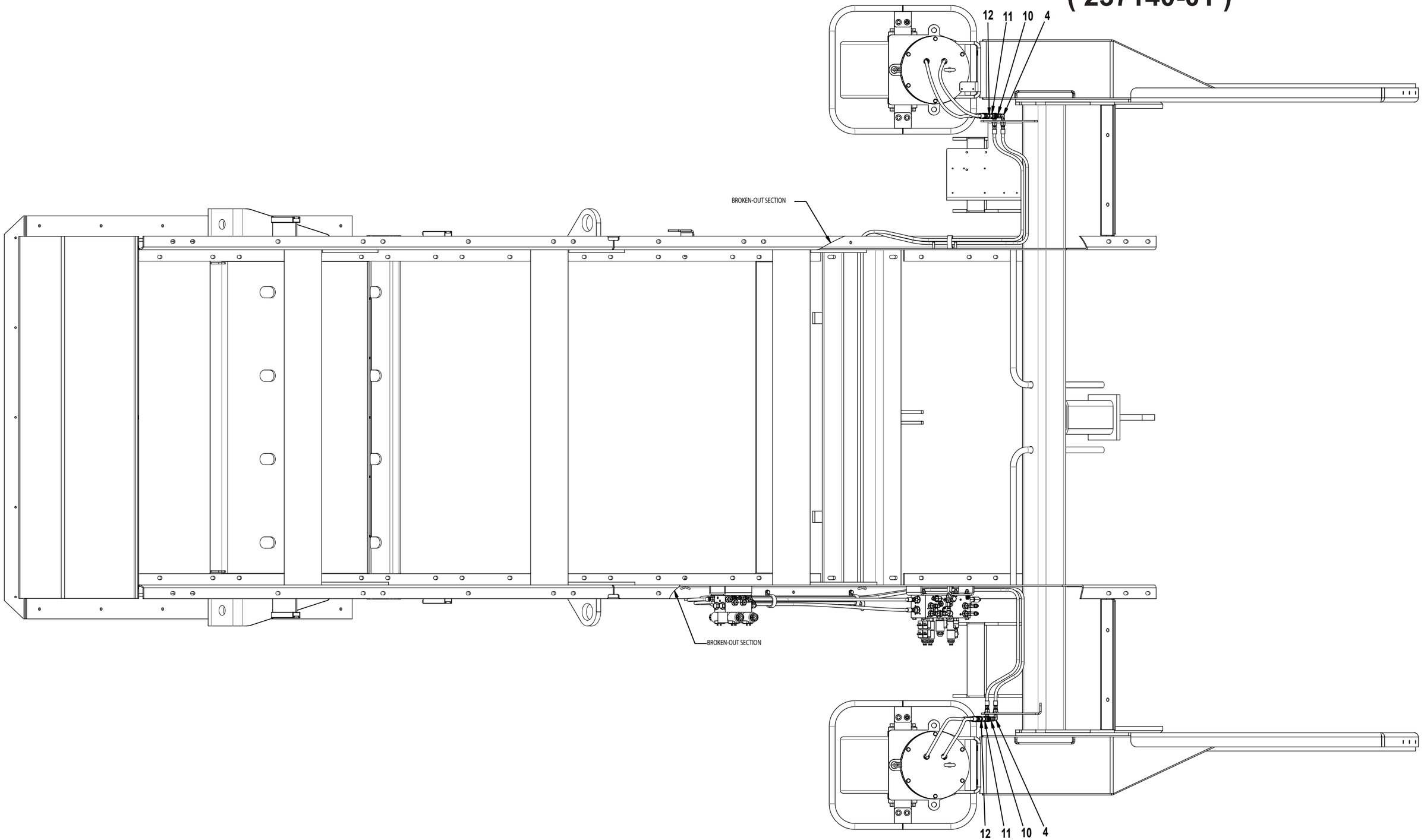





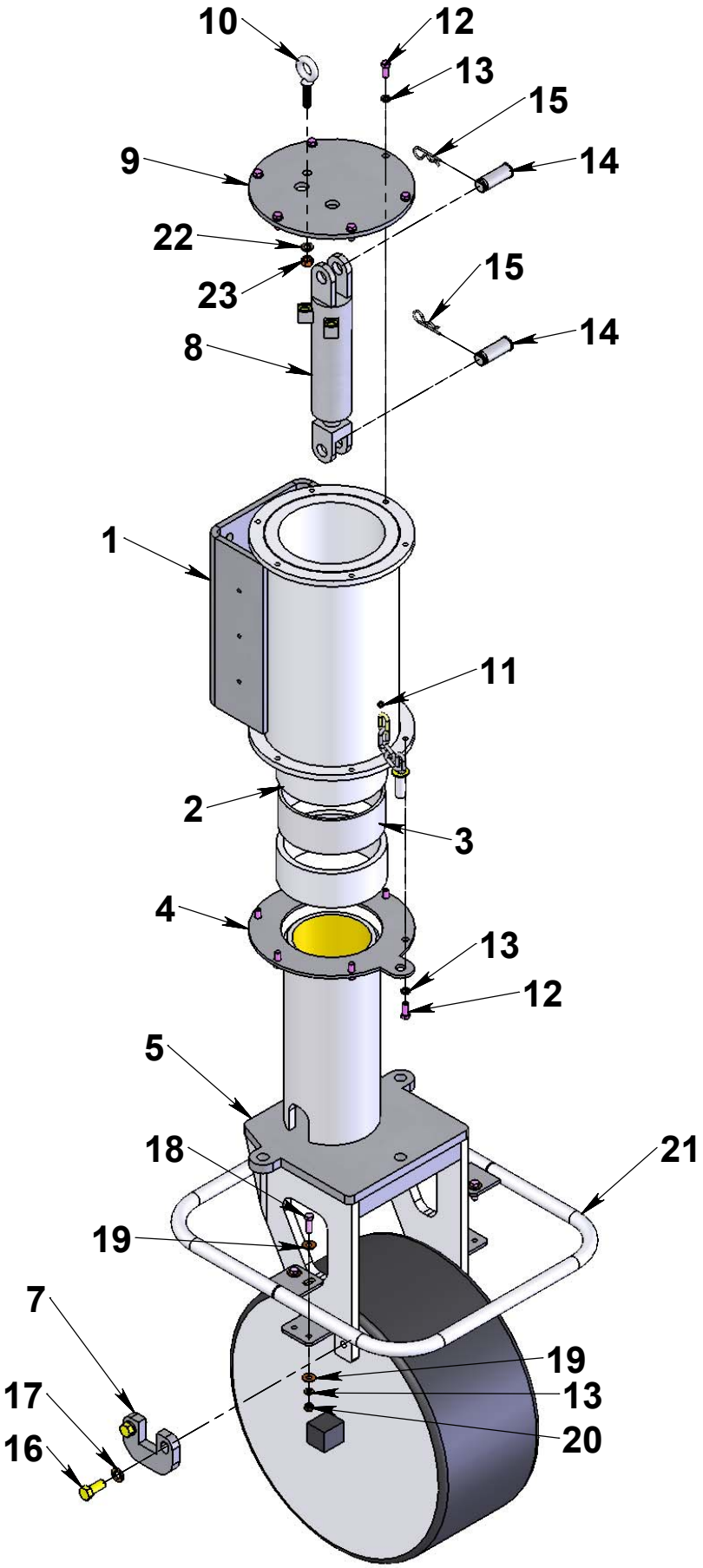
ROADTEC
an Astec Industries Company

PREVIOUS PAGE

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



# ASSY-CASTER JACK
# (216750-01)

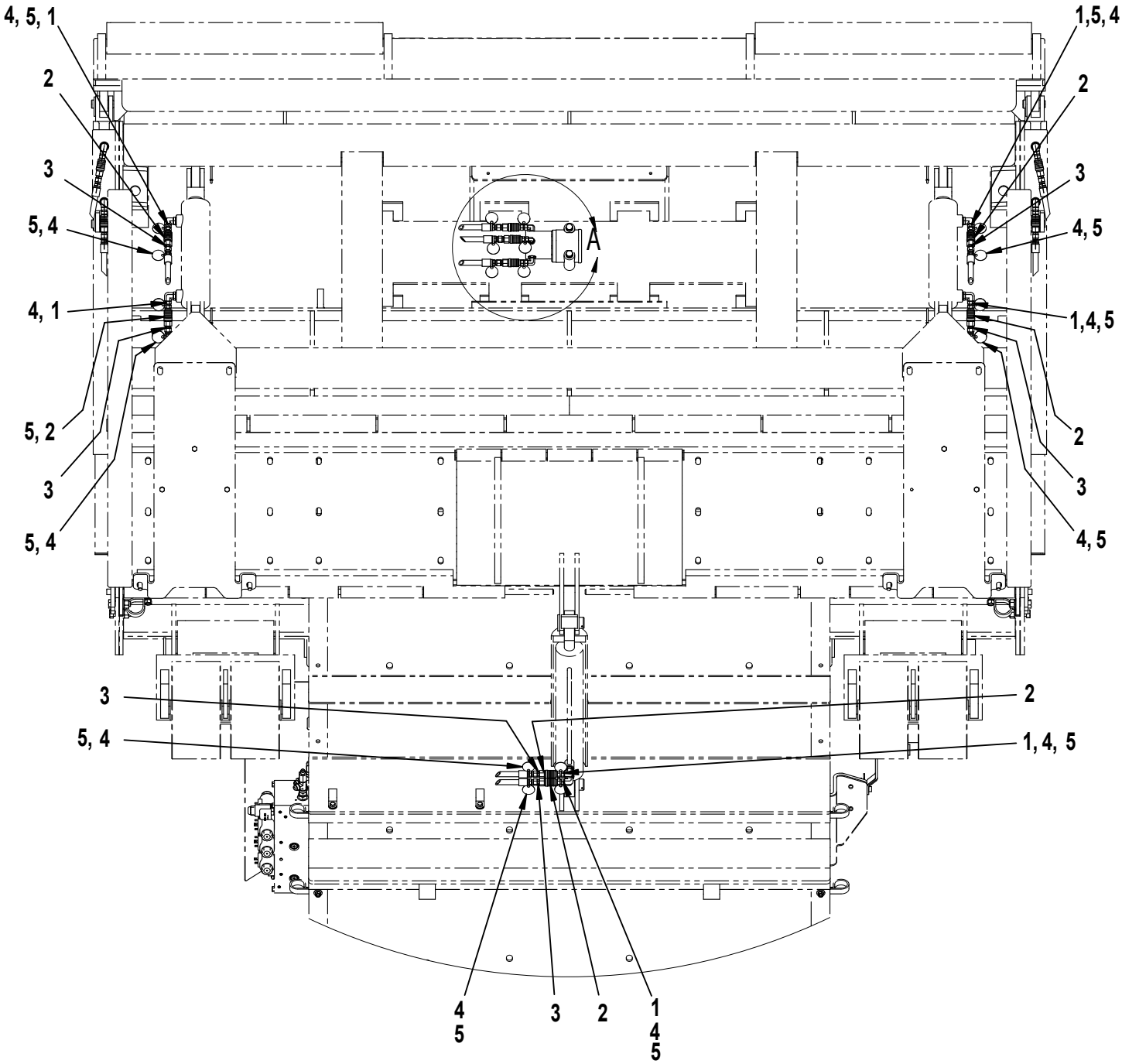


# ASSY-CASTER JACK
# (216750-01)

| 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 )

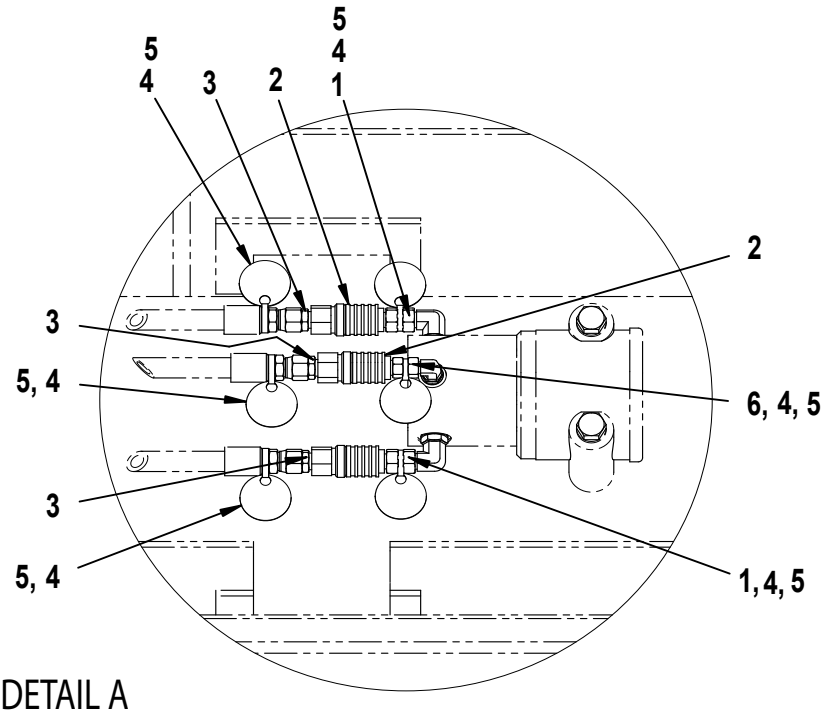
NEXT PAGE



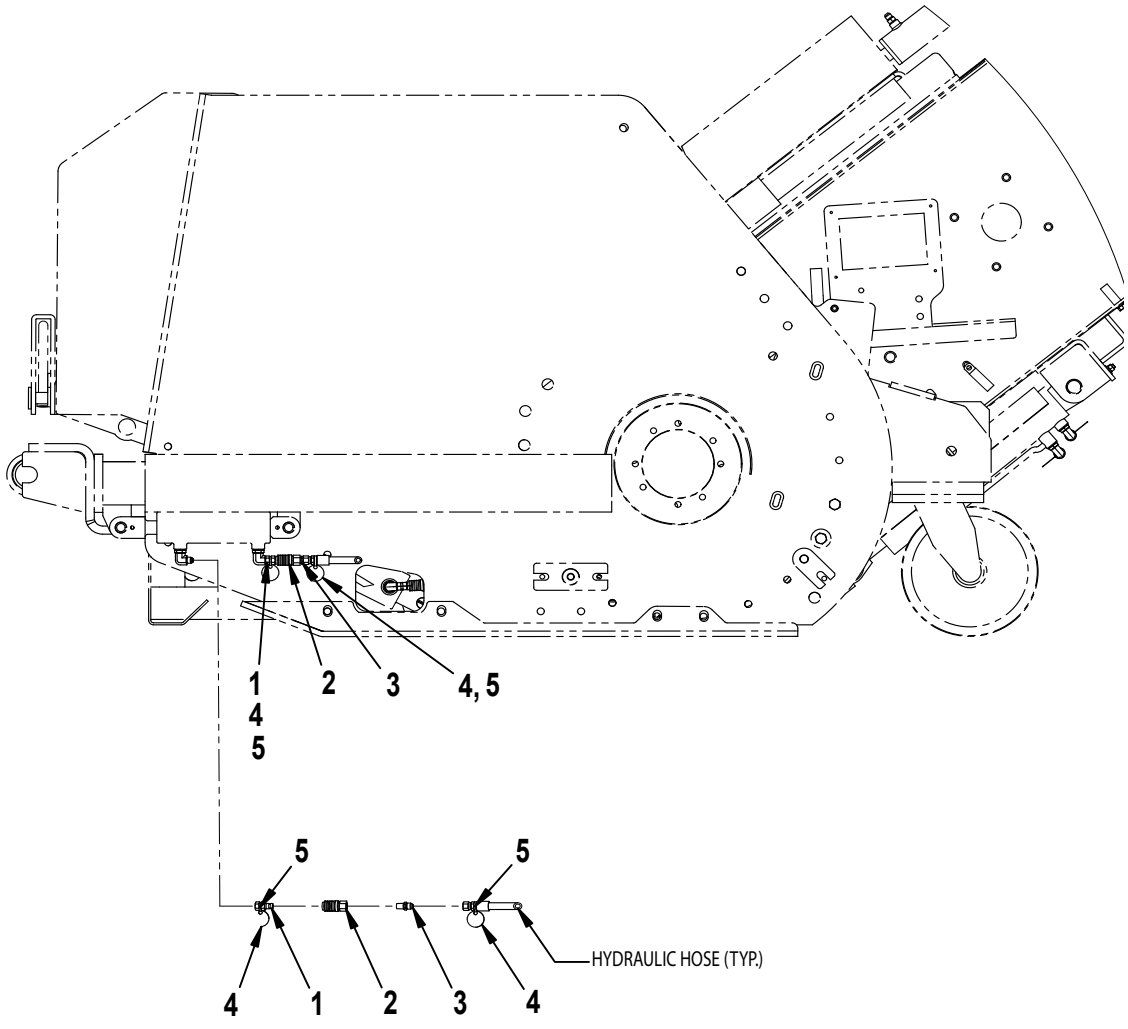

BOTTOM VIEW

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

PREVIOUS PAGE




DETAIL A



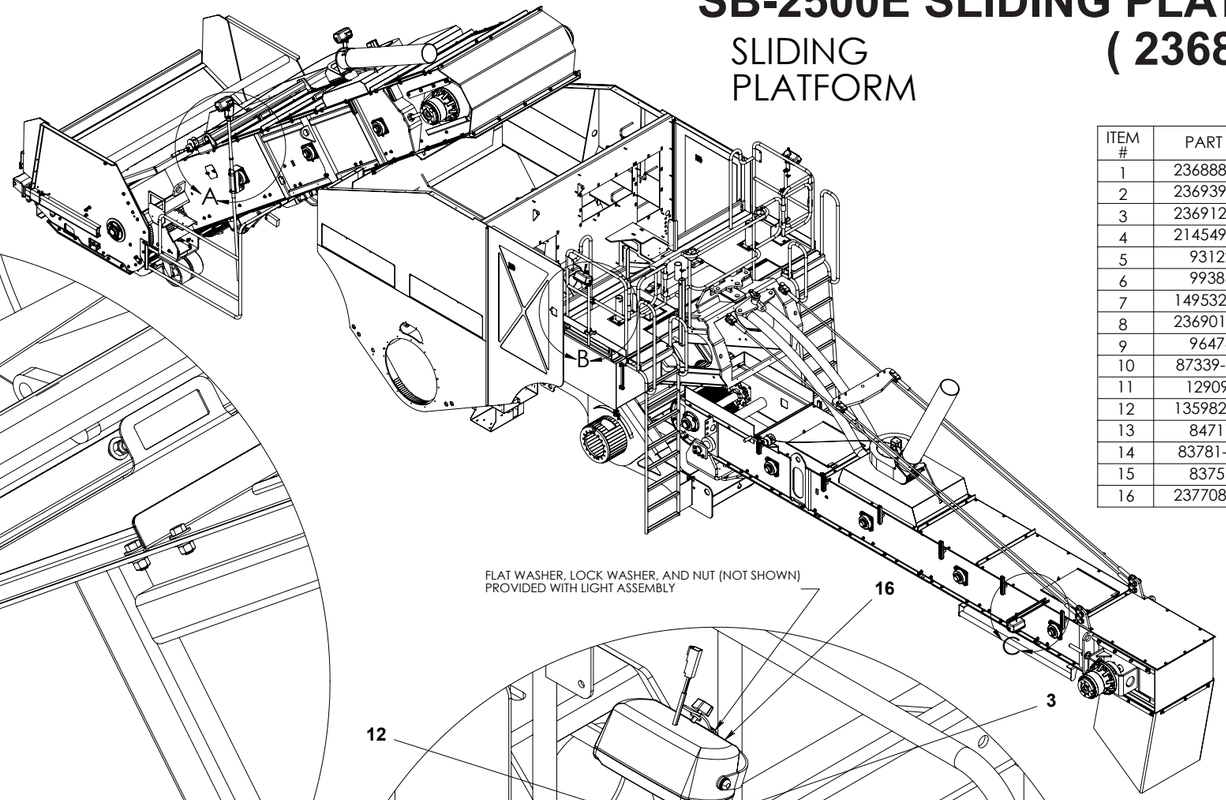

LEFT SIDE VIEW

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

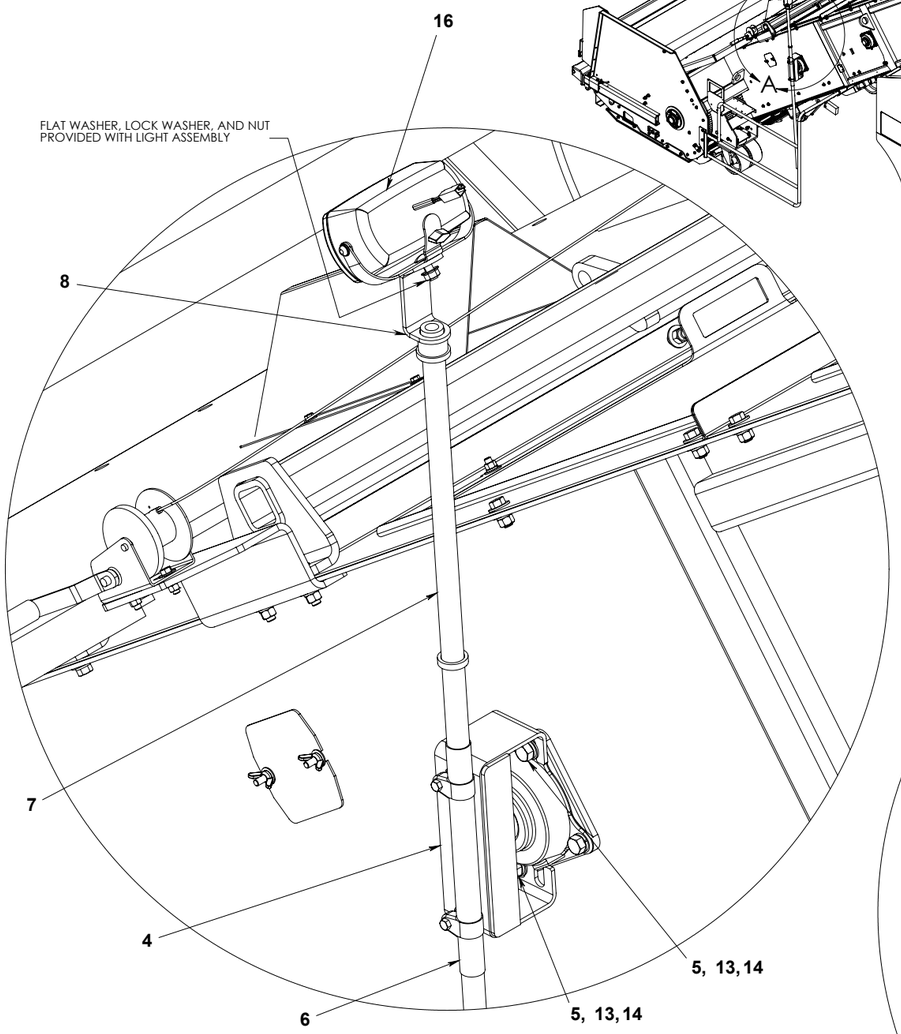
| ITEM # | PART # | DESCRIPTION | QTY. |
|---|---|---|---|
| 1 | 131680-04 | FIT*MALE TEST PORT 6 JIC CONNECTOR | 12 |
| 2 | 85947-04-C3 | KIT * FEMALE TESTPORT DISCONNECT | 13 |
| 3 | 86170-04 | FIT * ADAPTER 6 JIC -1/4 NPT M. | 13 |
| 4 | 212822-04 | PART * 1 1/2" DIAMETER SS TAG | 26 |
| 5 | 212821-04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

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

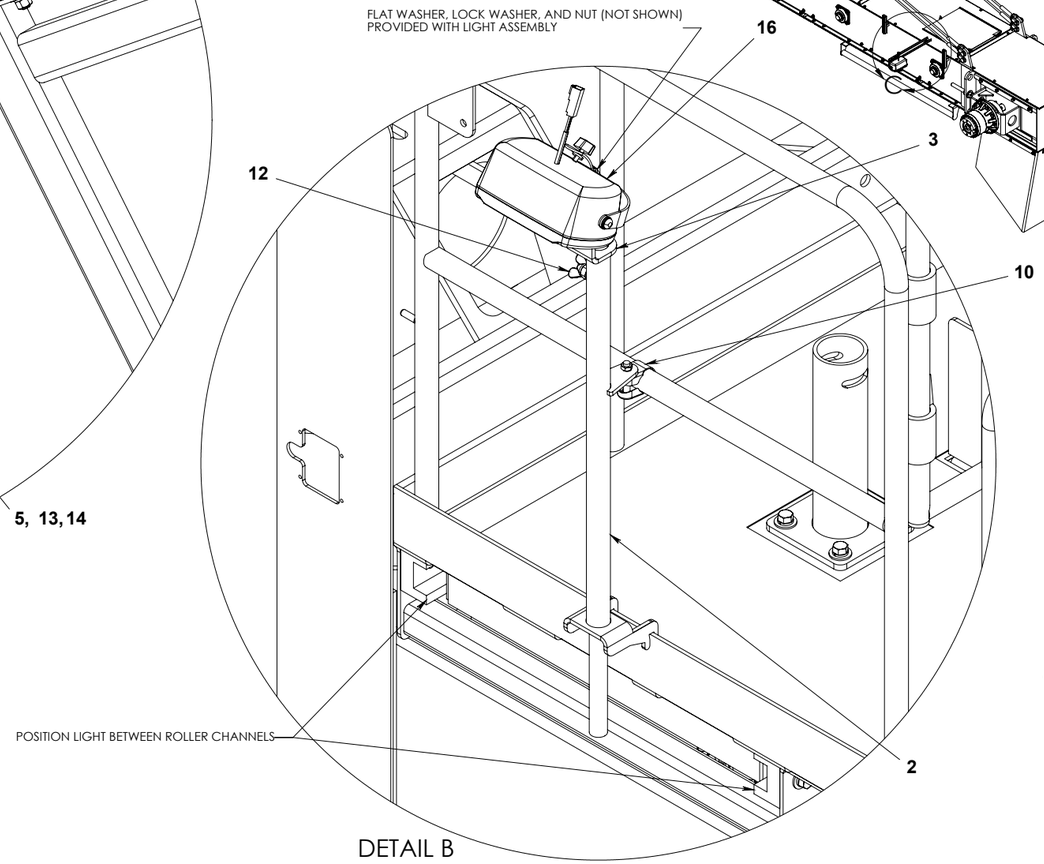
SLIDING PLATFORM




| 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 |

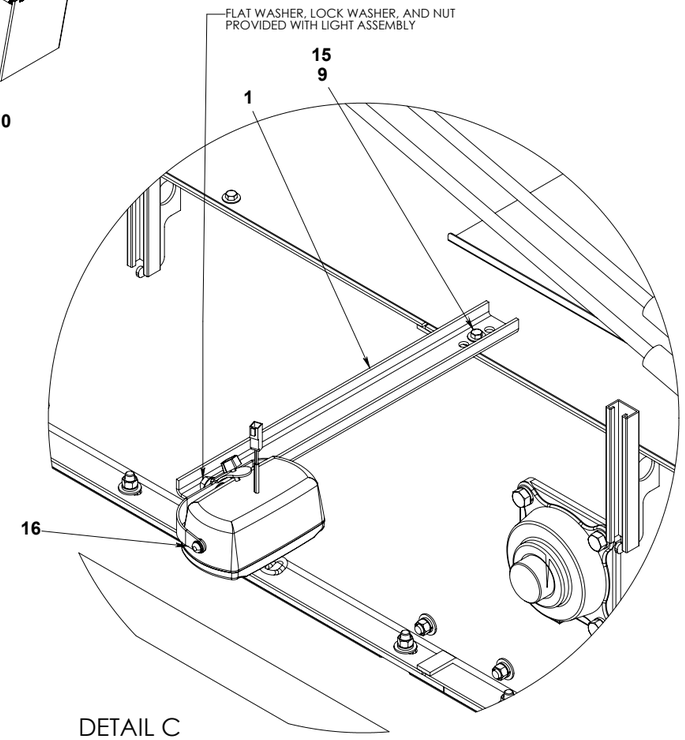



DETAIL A
INSTALL ON LEFT AND RIGHT SIDE.




DETAIL B
INSTALL ON LEFT AND RIGHT SIDE.

THIS MOUNT FITS SLIDING PLATFORM ONLY




DETAIL C
INSTALL ON LEFT SIDE ONLY

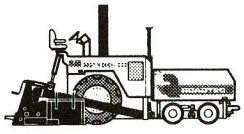


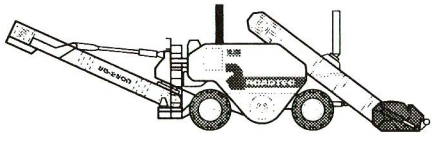
ROADTEC an Astec Industries Company

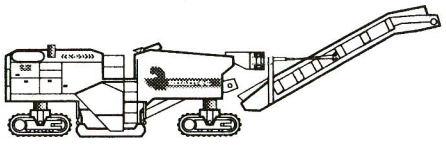
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







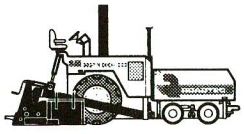
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

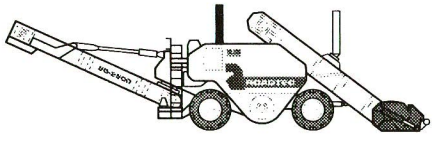
ROADTEC
an Astec Industries Company

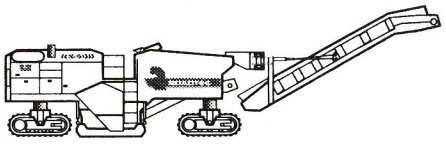
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

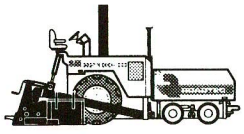
ROADTEC
an Astec Industries Company

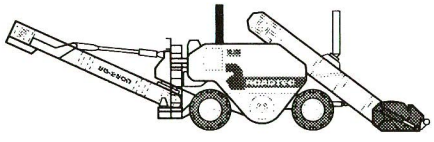
# SECTION 8 : NOTES

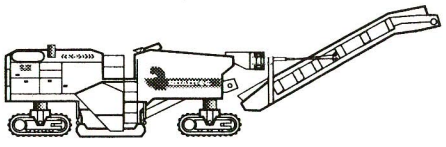
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







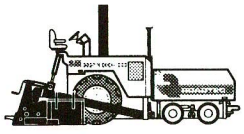
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

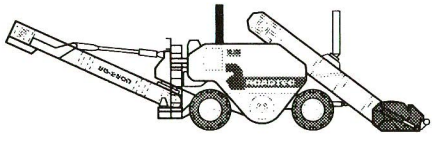
ROADTEC
an Astec Industries Company

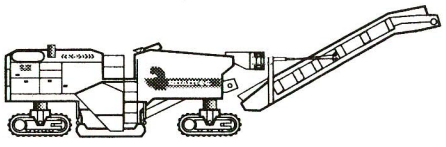
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







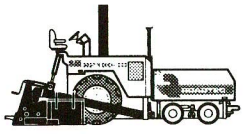
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

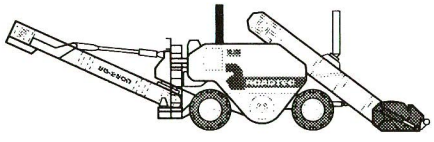
ROADTEC
an Astec Industries Company

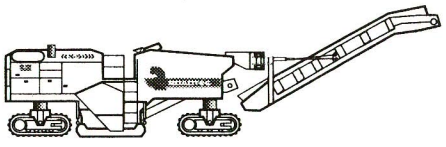
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







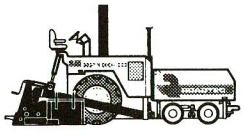
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

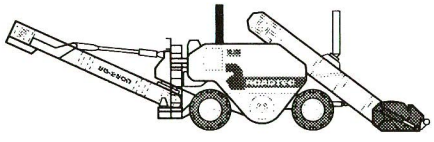
ROADTEC
an Astec Industries Company

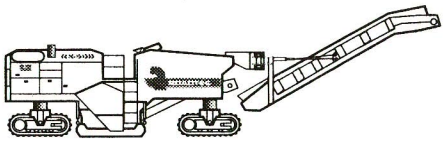
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







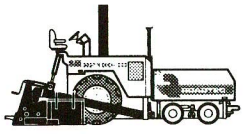
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

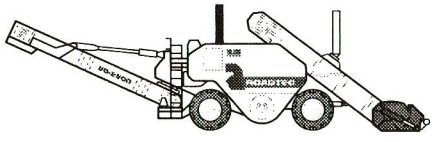
ROADTEC
an Astec Industries Company

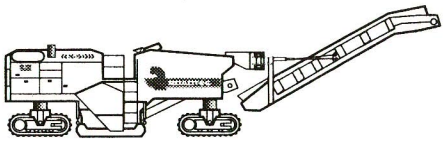
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







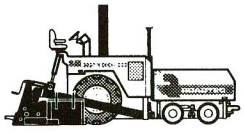
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

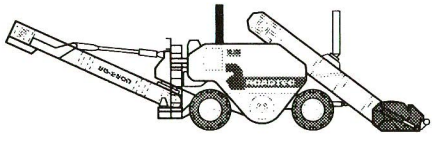
ROADTEC
an Astec Industries Company

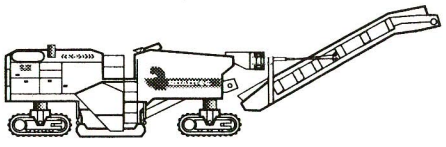
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







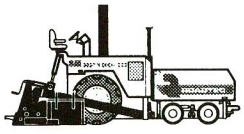
800 MANUFACTURERS ROAD • CHATTANOOGA, TN 37405 • TELEPHONE 423-265-0600 • FAX 423-267-7104

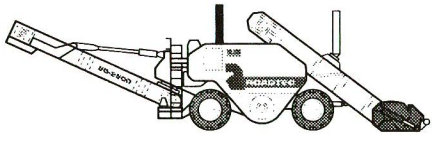
ROADTEC
an Astec Industries Company

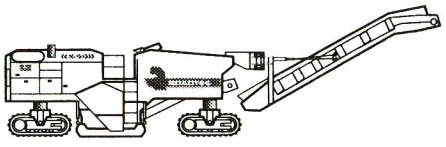
ROADTEC
an Astec company

MATERIAL TRANSFER VEHICLES
COLD PLANERS
PAVERS
423-265-0600 • FAX 423-265-7521

TOLL FREE 800-272-7100







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

ROADTEC
an Astec Industries Company