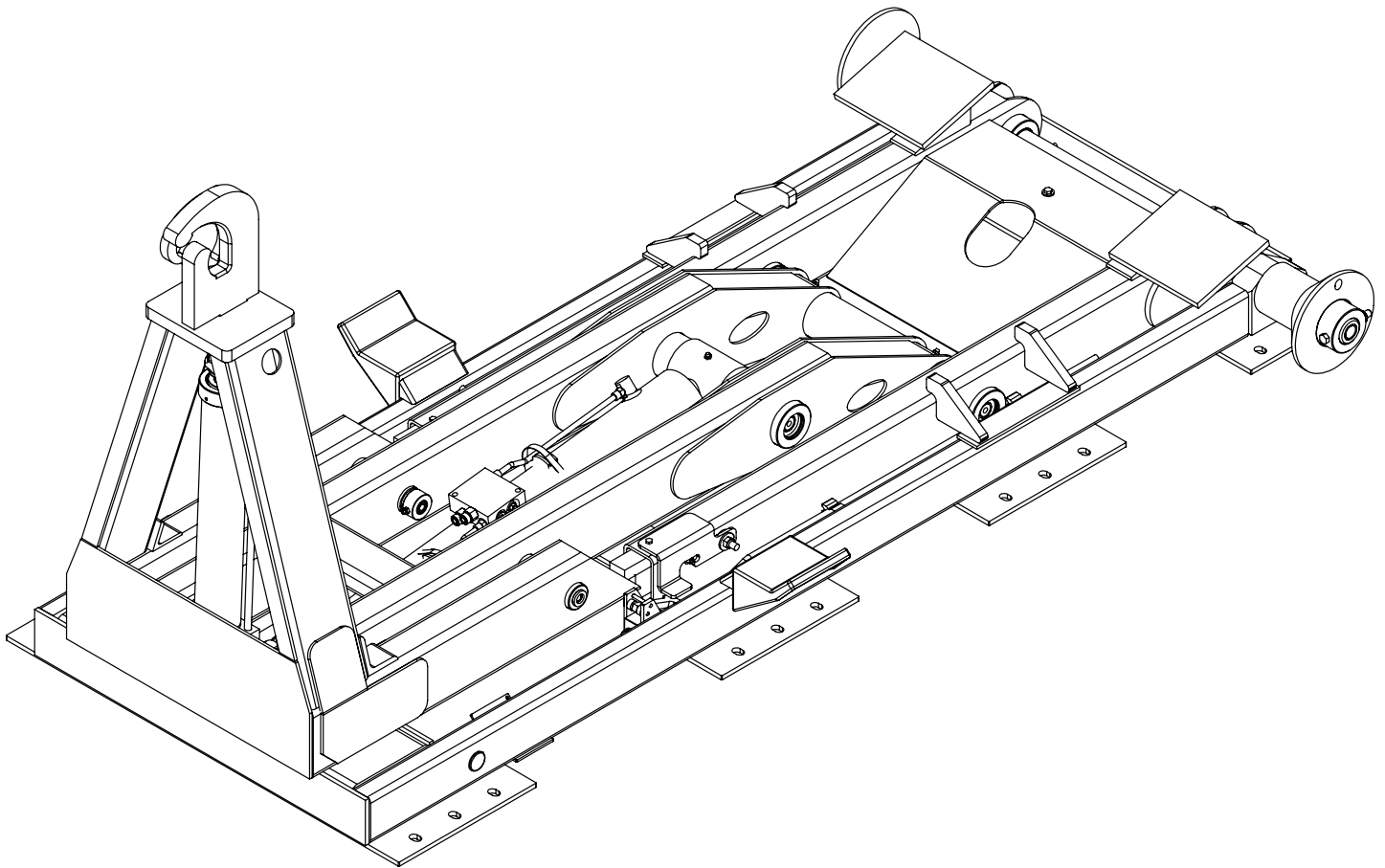




60-8 Flex Hooklift Owner's Manual

Installation • Assembly Drawings • Parts



Stellar Industries, Inc.

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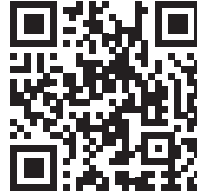
Subject to Change without Notification.
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Rev 3
PN 89076

Serial Tag Location / P65 Warning

⚠ WARNING

Operating, maintaining, and servicing a Stellar product may expose you to chemicals including, but not limited to, engine exhaust, carbon monoxide, phthalates, and lead. These chemicals are known to the State of California to cause cancer and birth defects (or other reproductive harm). To keep your exposure to a minimum, be sure to avoid breathing exhaust and service your Stellar product in a well-ventilated area while wearing gloves or washing your hands frequently. For more information, go to www.P65Warnings.ca.gov/passenger-vehicle.



The serial tag should be located on the right side (passenger side) of the base assembly:

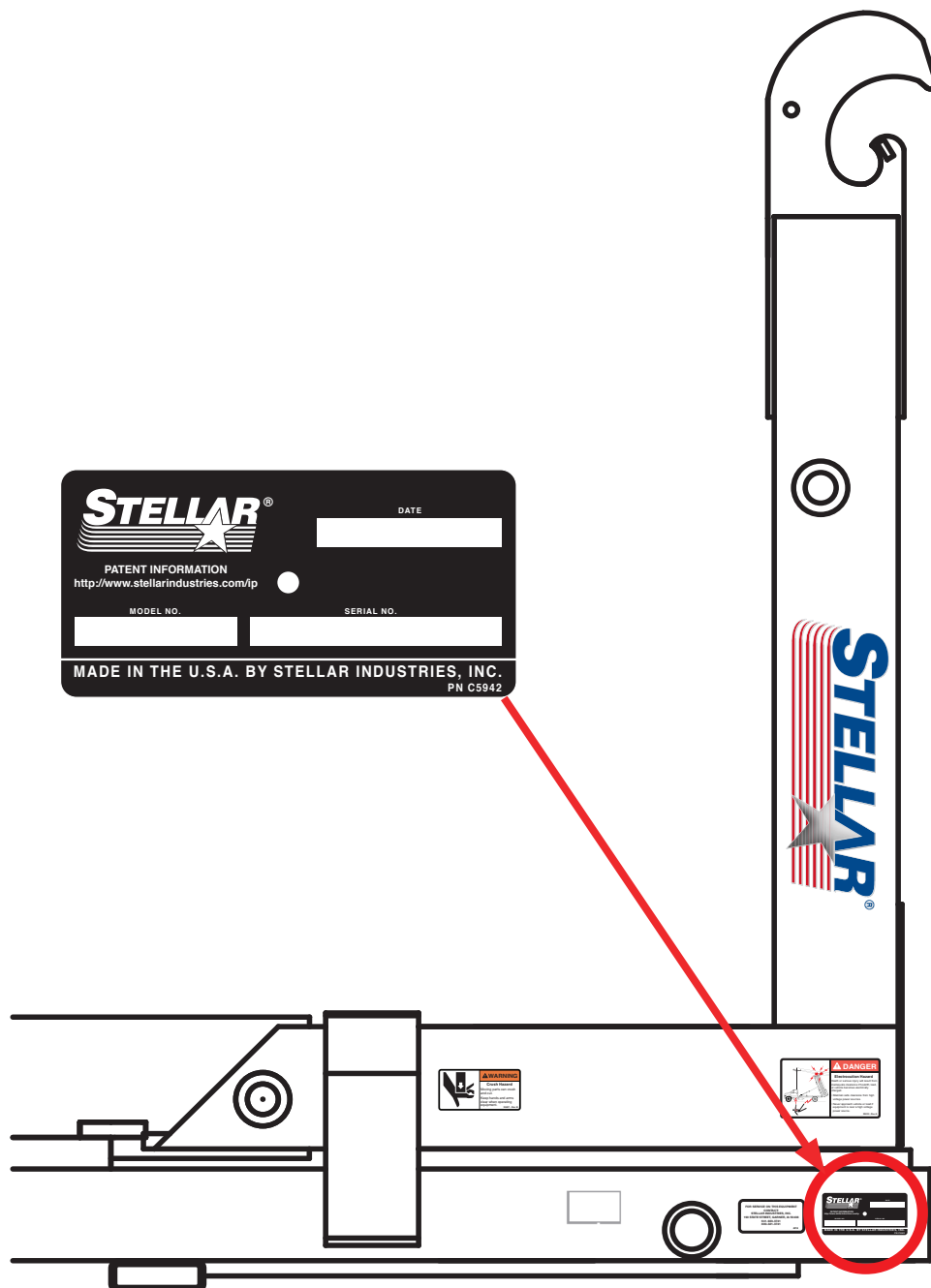


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NOTICE

Cold Weather Performance

Although clear data on cold weather performance from every steel manufacturer is not available for all types and thicknesses of steel, Stellar Industries is confident that the weldments on our products will operate to 100% of their intended purpose to temperatures down to -40° F / C.

It is recommended if Stellar manufactured equipment needs to be used in temperatures below -40° F / C, the operator should pull the unit into a climate-controlled area and allow the weldments to warm up to and then maintain a temperature above this level.

Introduction

A copy of this manual is provided with every hooklift and can be found in the hard plastic manual case that is installed on the chassis. A copy of this manual shall remain with the hooklift at all times.

Throughout the manual, three signal words will be used to bring attention to important items:

NOTICE

A *NOTICE* signal word indicates a practice not related to physical injury.

⚠ WARNING

A *WARNING* signal word indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ DANGER

A *DANGER* signal word indicates a hazardous situation which, if not avoided, will result in death or serious injury.

Information contained within this manual does not cover operation, maintenance, or troubleshooting. Please refer to the General Shuttle Hooklift Manual for details on these items.

This manual is not binding. Stellar Industries, Inc. reserves the right to change, at any time, any or all of the items, components, and parts deemed necessary for product improvement or commercial/production purposes. This right is kept with no requirement or obligation for immediate mandatory updating of this manual.

If more information is required or technical assistance is needed, or if you feel that any part of this manual is unclear or incorrect, please contact the Stellar Customer Service Department by phone at 800-321-3741 or email at service@stellarindustries.com.



www.stellarindustries.com

**For Technical Questions, Information, Parts, or Warranty, Call Toll-Free at
800-321-3741**

Hours: Monday - Friday, 8:00 a.m. - 5:00 p.m. CST

Or email at the following addresses:

Technical Questions, and Information

service@stellarindustries.com

Order Parts

parts@stellarindustries.com

Warranty Information

warranty@stellarindustries.com

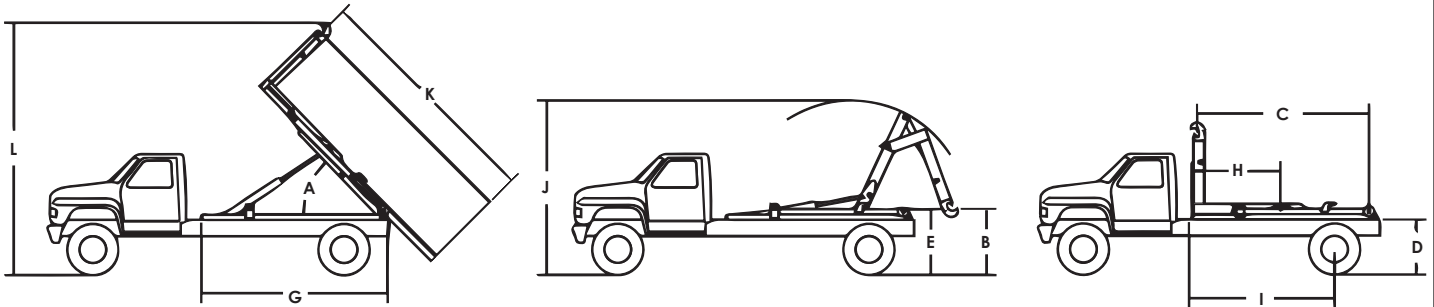
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Chapter 1 - Specifications

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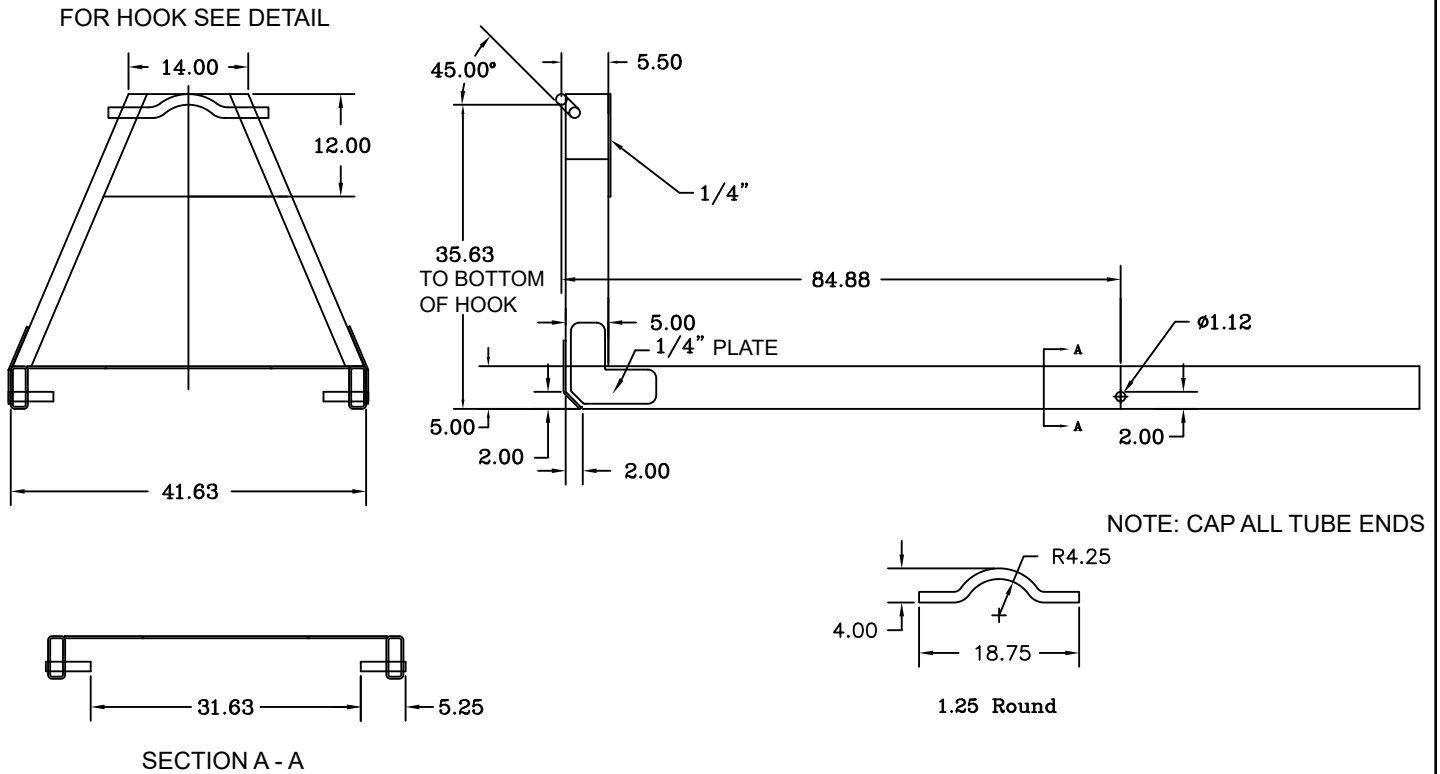
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Model 60-8 Flex Specifications



| Model 60-8 Flex | | |
|-----------------|-----------------------------|--|
| | Lifting/Dumping Capacity | Up to 9,000 lb (4,082 kg) |
| A | Dump Angle | 54° |
| B | Lowest hook Height | 23.5" (60 cm) |
| C | Effective Length | 91" (231 cm) |
| D | Truck Frame Height | 34" (86 cm) |
| E | Hooklift Height | 39.5" (100 cm) |
| G | Hooklift Length | 99.25" (252 cm) |
| H | Hooklift Center of Gravity | 43" (109 cm) |
| I | Chassis Cab to Axle | 60" (152.5 cm) |
| J | Max Height When Loading | 104" (264 cm) |
| K | Longest Body to Dump | 120" (305 cm) |
| L | Max Height when Dumping | 141" (358 cm) |
| | Operating Pressure | Variable - See Install Chapter |
| | Hydraulic Flow | Not to exceed 16 gpm (60.5 Lt/m) |
| | Shipping Weight | 1,275 lb (578 kg) |
| | Hook Height | 35.63" (90.5 cm) |
| | Shipping Dimensions (LxHxW) | 100"x49"x47" |
| | Minimum Truck GVWR | 10,500 – 15,000 lb (4,763 – 6,804 kg) |
| | RBM | 172,000 |

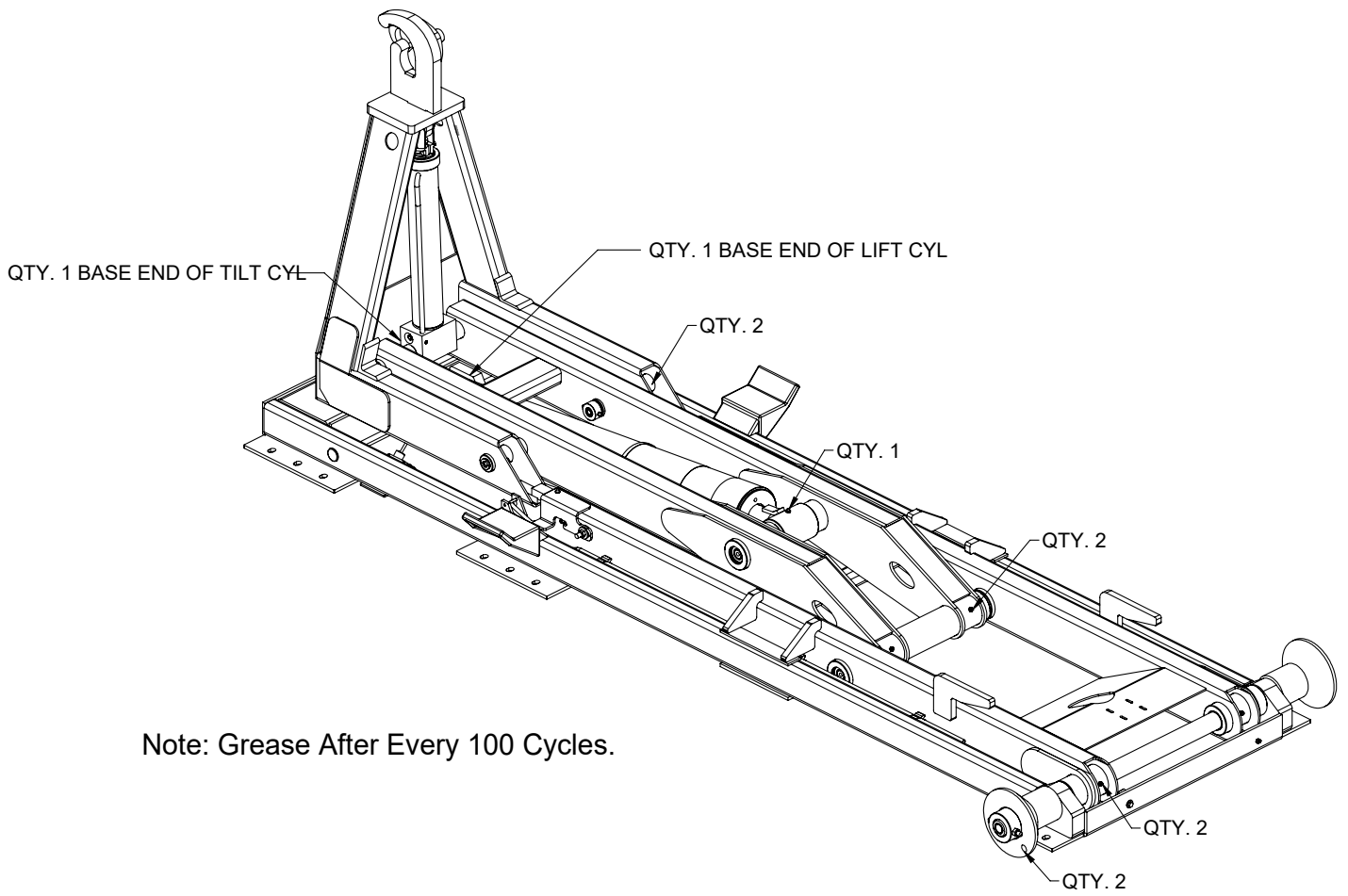
Acceptable Subframe Dimensions - Model 60-8



DRAWING FOR DIMENSIONAL PURPOSES ONLY

| MINIMUM RECOMMENDED RAIL CONSTRUCTION | |
|---------------------------------------|---------------|
| 60-10-5 | 5 X 2 X 1 / 4 |
| 60-10-8 | 5 X 2 X 1 / 4 |
| 60-8 (FLEX 36) | 5 X 2 X 1 / 4 |
| 120-15-12 | 5 X 2 X 1 / 4 |

Flex36 Grease Zerk Locations



Chapter 2 - Installation

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General Installation

This chapter is designed to serve as a general guide for the installation of a Stellar® Flex 60-8 Hooklift. Each installation is considered unique so certain portions of this chapter may or may not apply to your direct application. If a question should arise during the installation process, please contact Stellar Customer Service at (800) 321 3741.

PTO and Pump installation instructions are provided by the corresponding manufacturers. For more information on which PTO and Pump fit your application, please contact your local Stellar Distributor or Stellar Customer Service.

⚠ WARNING Do not install this hooklift on a chassis not capable of handling the loads imposed on it. Failure to do so may result in serious injury or death.

NOTICE Do not weld or drill holes into the side wall of the base tubes.

Hooklift Mounting and Assembly

Study names and locations of the parts and familiarize yourself with the hooklift before starting the assembly. Reading the step-by-step instructions that follow will be helpful.

Assembly

Select an area for assembly that will be large enough to accommodate the completed unit. The surface of the work area should be as level as possible. Use the proper hand tools to ensure proper bolt tightness. Refer to the torque data chart in this chapter for the recommended torque values for different sizes of bolts.

Model Number

Know the model number of the Stellar® Hooklift being mounted. Use this model number whenever referring to the assembly or parts listing pages. The number is stamped on the name plate which is located on the front frame member.

Installer Notice

According to Federal Law (49 cfr part 571), each final-stage manufacturer shall complete the vehicle in such a manner that it conforms to the standards in effect on the date of manufacture of the incomplete vehicle, the date of final completion, or a date between those two dates. This requirement shall, however, be superseded by any conflicting provisions of a standard that applies by its terms to vehicles manufactured in two or more stages.

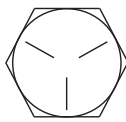
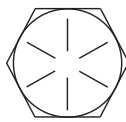
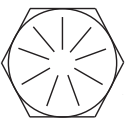
Therefore, the installer of Stellar® Hooklifts is considered one of the manufacturers of the vehicle. As such a manufacturer, the installer is responsible for compliance with all applicable federal and state regulations. They are required to certify that the vehicle is in compliance with the Federal Motor Vehicle Safety Standards and other regulations issued under the National Traffic and Motor Vehicle Safety Act.

Please reference the Code of Federal Regulations, title 49 - Transportation, Volume 5 (400-999), for further information, or visit <http://www.gpoaccess.gov/nara/index.html> for the full text of Code of Federal Regulations.

Torque Data Chart

When using the torque data in the chart, the following rules should be observed:

- Bolt manufacturer's particular specifications should be consulted when provided.
- Flat washers of equal strength must be used.
- All torque measurements are given in foot-pounds. To convert to inch-pounds, multiply by 12.
- Torque values specified are for bolts with residual oils or no special lubricants applied. If special lubricants of high stress ability, such as Never-Seez compound graphite and oil, molybdenum disulphite, colloidal copper or white lead are applied, multiply the torque values in the charts by the factor .90. The use of Loctite does not affect the torque values listed above.

| | | GRADE 5 | | GRADE 8 | | GRADE 9 |
|----------------|-------------------|--|----------------|---|----------------|---|
| | |  | |  | |  |
| Size (DIA-TPI) | Bolt DIA (Inches) | Plain (Ft-Lb) | Plated (Ft-Lb) | Plain (Ft-Lb) | Plated (Ft-Lb) | Plated (Ft-Lb) |
| 5/16-18 | 0.3125 | 17 | 13 | 25 | 18 | 22 |
| 3/8-16 | 0.3750 | 31 | 23 | 44 | 33 | 39 |
| 7/16-14 | 0.4375 | 49 | 37 | 70 | 52 | 63 |
| 1/2-13 | 0.5000 | 75 | 57 | 105 | 80 | 96 |
| 9/16-12 | 0.5625 | 110 | 82 | 155 | 115 | 139 |
| 5/8-11 | 0.6250 | 150 | 115 | 220 | 160 | 192 |
| 3/4-10 | 0.7500 | 265 | 200 | 375 | 280 | 340 |
| 7/8-9 | 0.8750 | 395 | 295 | 605 | 455 | 549 |
| 1-8 | 1.000 | 590 | 445 | 910 | 680 | 823 |
| 1 1/8-7 | 1.1250 | 795 | 595 | 1290 | 965 | 1167 |
| 1 1/4-7 | 1.2500 | 1120 | 840 | 1815 | 1360 | 1646 |
| 1 3/8-6 | 1.3750 | 1470 | 1100 | 2380 | 1780 | 2158 |
| 1 1/2-6 | 1.500 | 1950 | 1460 | 3160 | 2370 | 2865 |

- Torque values for socket-head capscrews are the same as for Grade 8 capscrews.
- Do not use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.
- Shear bolts are designed to fail under predetermined loads. Always replace shear bolts with identical grade.
- Fasteners should be replaced with the same or higher grade. If higher grade fasteners are used, these should only be tightened to the strength of the original.
- Tighten plastic insert or crimped steel-type lock nuts to approximately 110 percent of the dry torque values shown in the chart below, applied to the nut, not to the bolt head. Tighten toothed or serrated-type lock nuts to the full torque value.

NOTICE

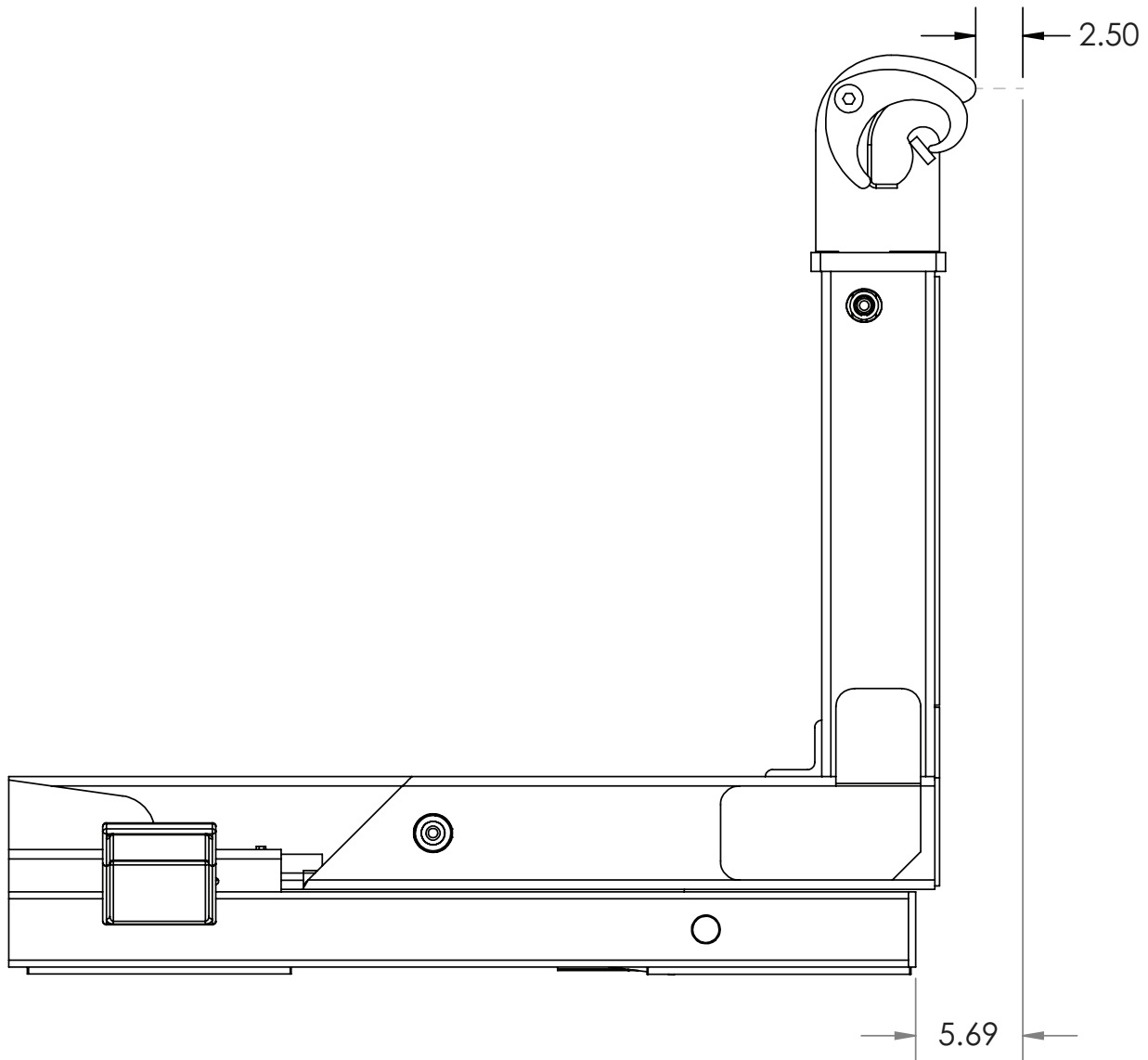
“Lubricated” means coated with a lubricant such as engine oil, or fasteners with phosphate and oil coatings. “Dry” means plain or zinc plated without lubrication. Tighten lubricated bolts to approximately 80% of dry bolts.

Installation Note

Every hooklift installation is unique. However, certain guidelines exist that apply to every model. Listed below is a general set of chronological steps that may be followed when installing a Stellar Hooklift. If any questions arise during the installation process, feel free to contact your local dealer or Stellar Customer Service at 800-321-3741.

Step 1: Set The Hooklift Onto The Truck Frame.

- Visually inspect the truck and look for any potential issues. For example: Clearance problems, cross members extending too high, insufficient room in front of the hooklift for tarpers, exhaust manifolds, etc., or insufficient room in the rear to allow for bumper selection. **NOTE: STELLAR INDUSTRIES RECOMMENDS ALLOWING 12" BEHIND THE START OF CLEAR TRUCK FRAME FOR INSTALLATION OF A TARPING SYSTEM.**
- Be sure to square the hooklift on the truck frame to allow for proper measurement. The front of the hooklift needs to be at least 2.50" behind the cab or any equipment mounted behind the cab.

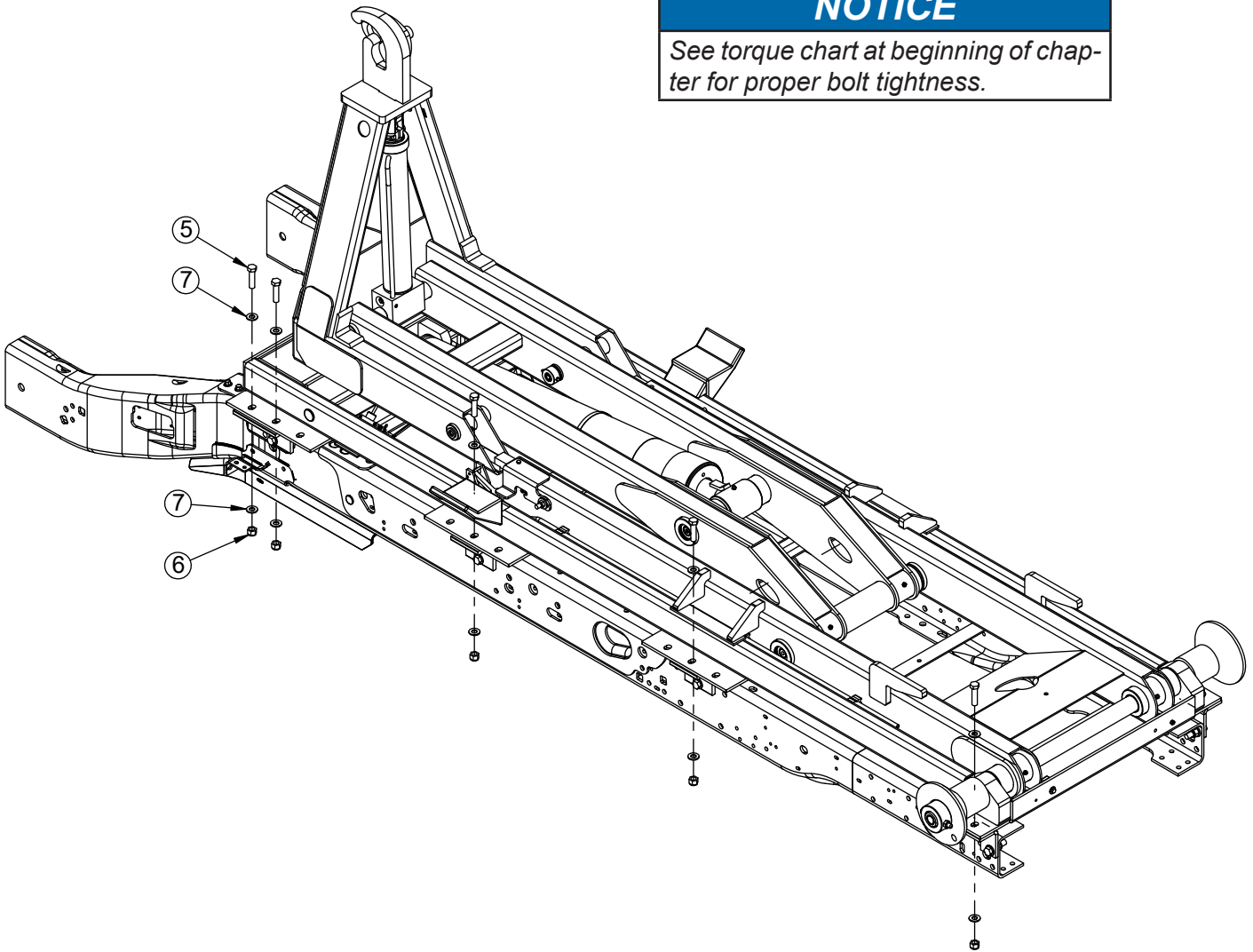


Step 2: Bolt Tie-Down Castings To Truck Frame.

Bolt each tie-down angle to the truck frame (both sides):

NOTICE

See torque chart at beginning of chapter for proper bolt tightness.



PN 114321

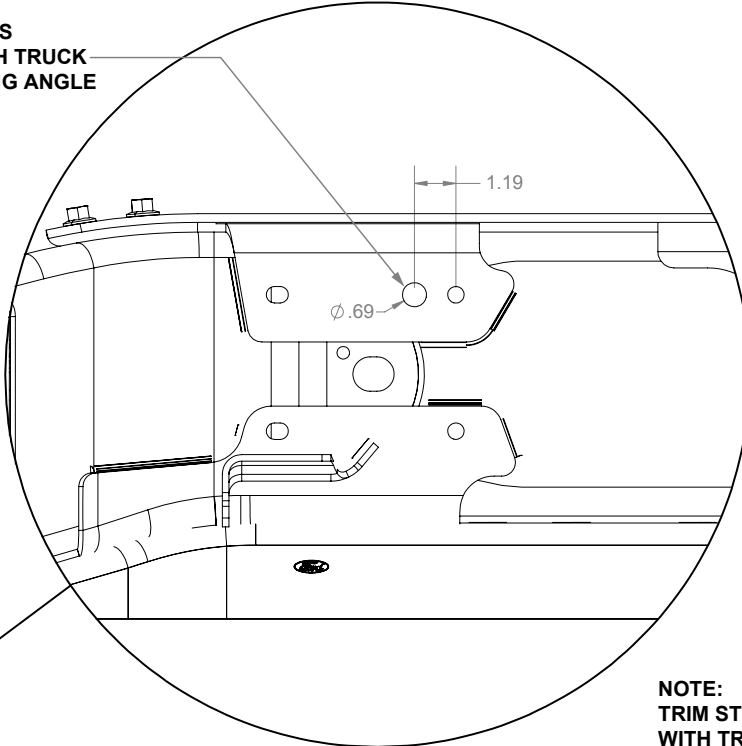
| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---|-----|
| 1 | 114322 | ANGLE 5.00X3.00X0.50WX7.00 W/SLOTS TALL | 2 |
| 2 | 114323 | ANGLE FORMED FLEX BASE MNT SS TALL | 1 |
| 3 | 114324 | ANGLE FORMED ECCR BASE MNT CS TALL | 1 |
| 4 | 114325 | ANGLE 5.00X3.00X0.50WX4.50 W/SLOT | 4 |
| 5 | C1026 | CAP SCR 0.63-11X2.50 HHGR8 | 18 |
| 6 | 24868 | NUT 0.63-11 HHGR8 NYLOC | 18 |
| 7 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 36 |

REV. INITIAL RELEASE

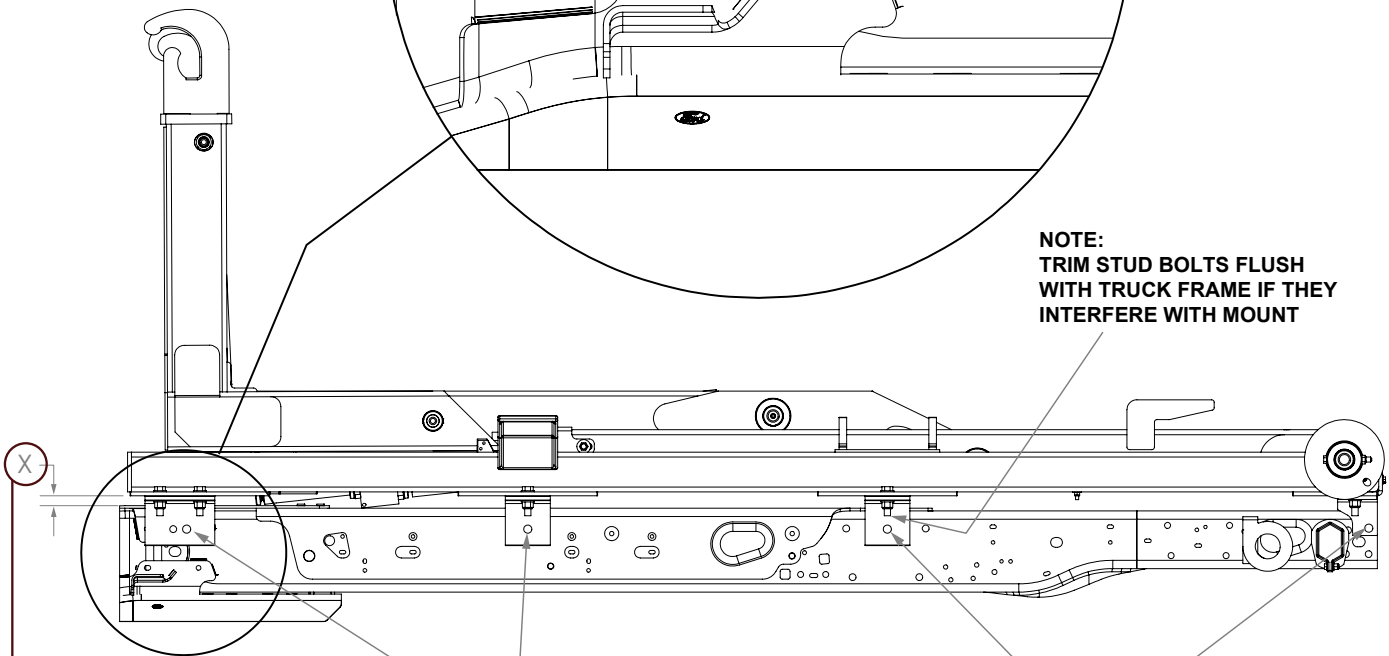
Step 3: Drill Mounting Holes Into Frame Rail.

Using the holes in the tie-down castings as guides, drill 11/16" mounting holes through the truck frame as shown (Both Sides):

FOR F350, F550 & F600 CHASSIS
NOTE: DRILL 11/16" HOLE THROUGH TRUCK FRAME HERE FOR FRONT MOUNTING ANGLE



NOTE:
TRIM STUD BOLTS FLUSH WITH TRUCK FRAME IF THEY INTERFERE WITH MOUNT



NOTES:

- X = TOP OF FRAME TO BOTTOM OF HOOKLIFT
- F550 WITHOUT FRAME REINFORCEMENT.....1.25"
- F600 & F550 WITH FRAME REINFORCEMENT...1.00"
- F650.....0.50"
- RAM 5500.....1.25"
- FLUSH TO FRAME FOR STRAIGHT FRAME TRUCKS

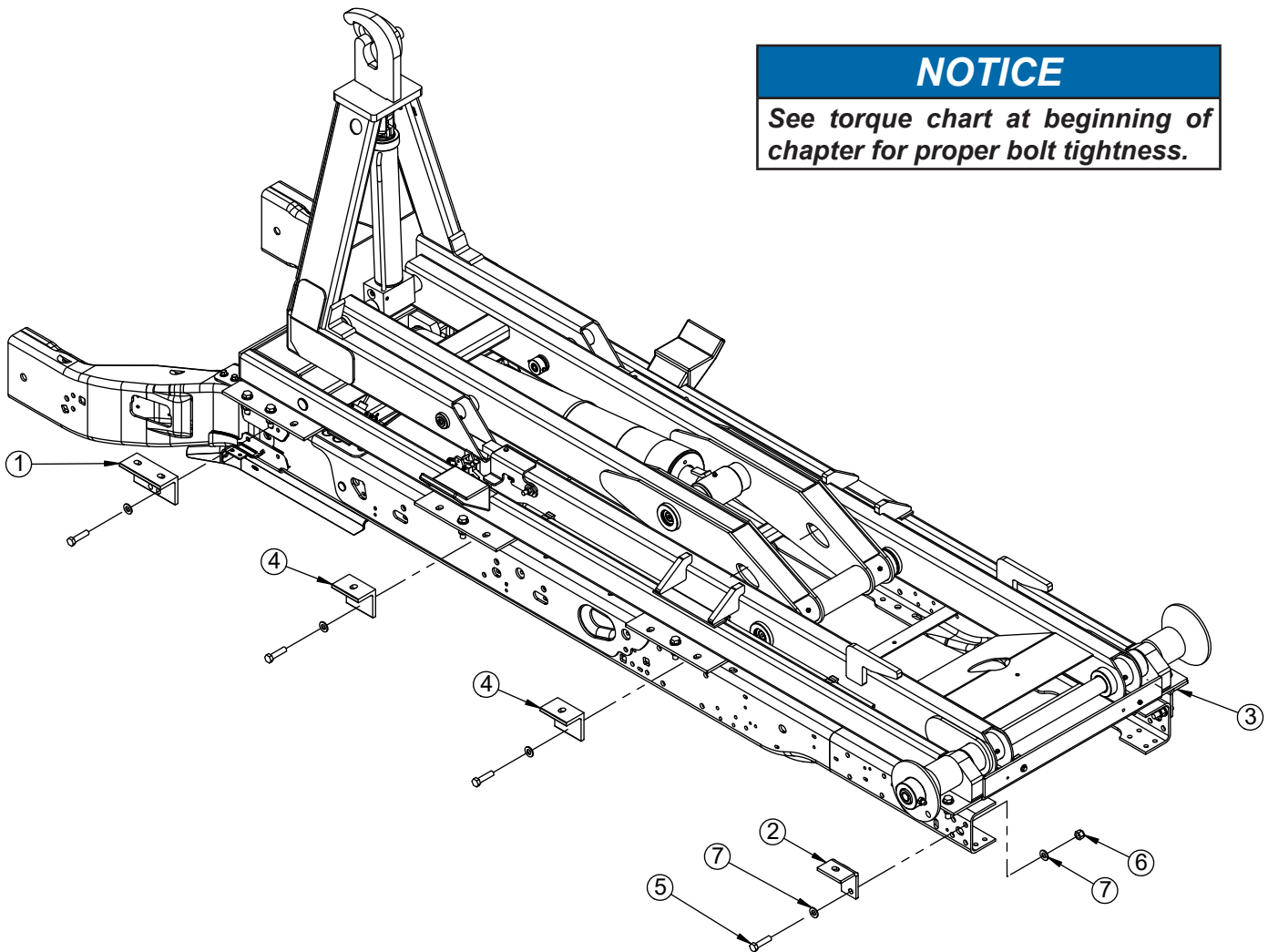


Step 4: Bolt Tie-Down Castings To Mounting Plates.

Bolt each tie-down casting to the underside of each mounting plate located on the outside of the main rails of the base (both sides):

NOTICE

See torque chart at beginning of chapter for proper bolt tightness.



PN 114321

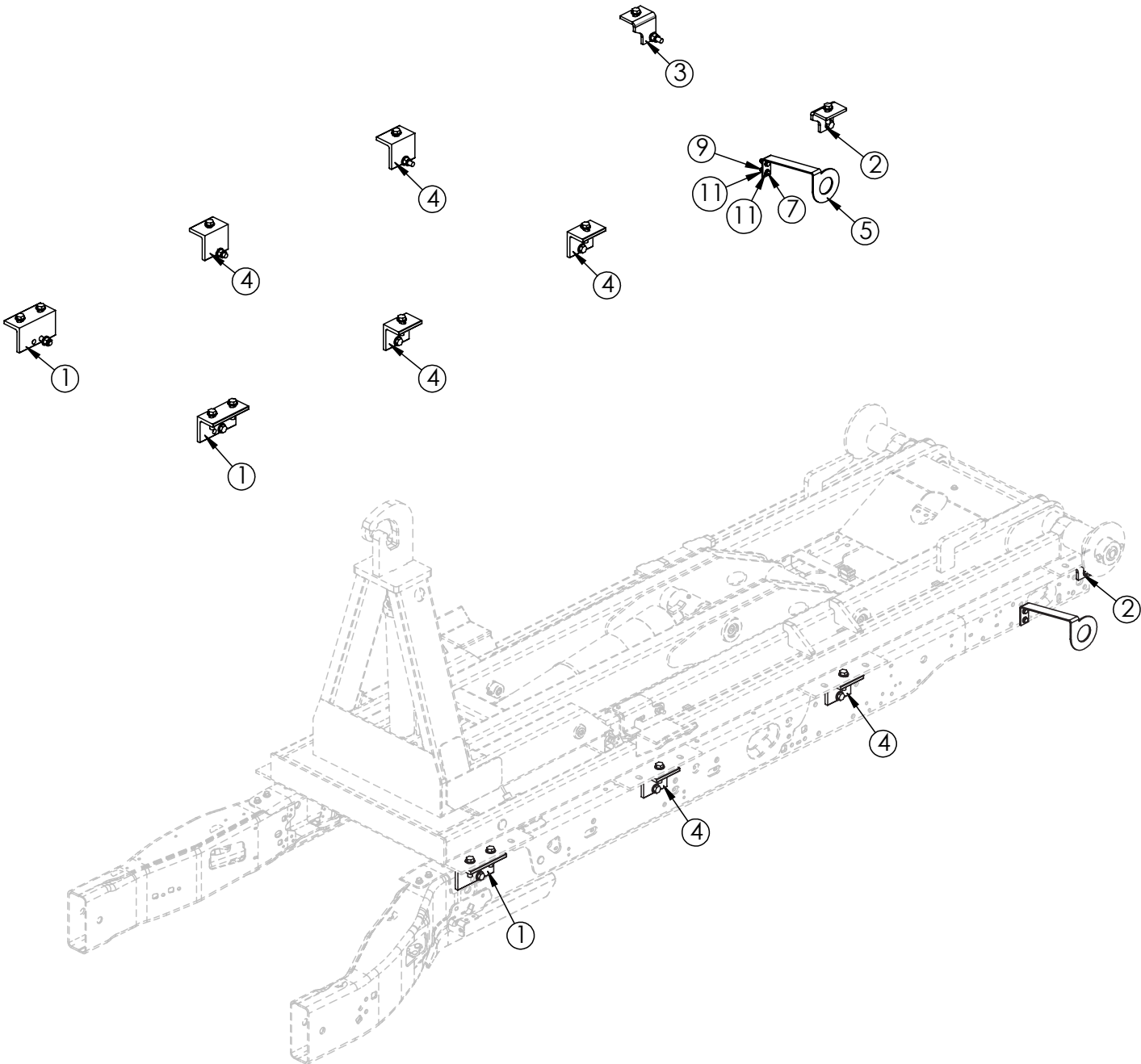
| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---|-----|
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| 2 | 114323 | ANGLE FORMED FLEX BASE MNT SS TALL | 1 |
| 3 | 114324 | ANGLE FORMED ECCR BASE MNT CS TALL | 1 |
| 4 | 114325 | ANGLE 5.00X3.00X0.50WX4.50 W/SLOT | 4 |
| 5 | C1026 | CAP SCR 0.63-11X2.50 HHGR8 | 18 |
| 6 | 24868 | NUT 0.63-11 HHGR8 NYLOC | 18 |
| 7 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 36 |

REV. INITIAL RELEASE

NOTE:

THE MOUNTING PLATES ARE DESIGNED WITH MULTIPLE SLOTS TO OFFER MORE FLEXIBILITY IN MOUNTING LOCATIONS. ADDITIONAL HOLES MAY NOT BE ADDED.

Mounting Kit - PN 114321

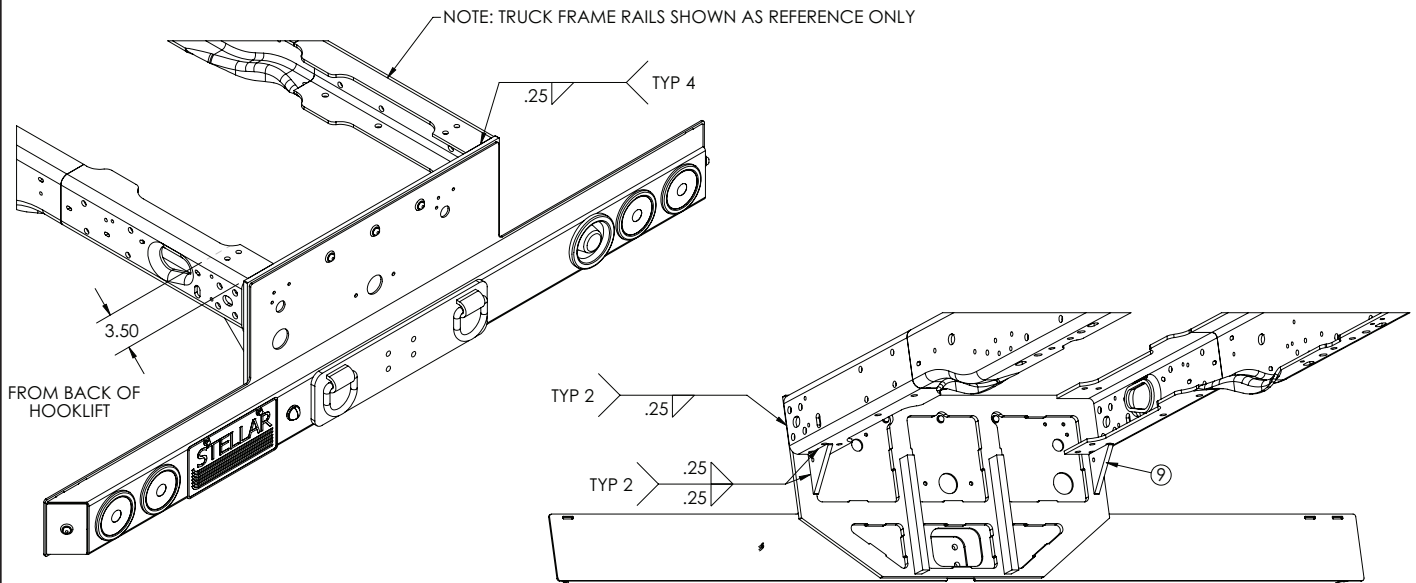
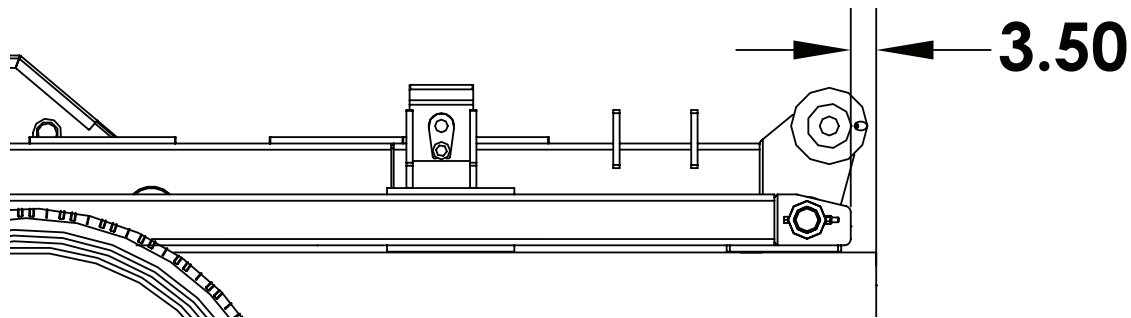


Mounting Kit - PN 114321

| PN 114321 | | | |
|----------------------|--------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 114322 | ANGLE 5.00X3.00X0.50WX7.00 W/SLOTS TALL | 2 |
| 2 | 114323 | ANGLE FORMED FLEX BASE MNT SS TALL | 1 |
| 3 | 114324 | ANGLE FORMED ECCR BASE MNT CS TALL | 1 |
| 4 | 114325 | ANGLE 5.00X3.00X0.50WX4.50 W/SLOT | 4 |
| 5 | 62177 | BRKT FUEL FILL | 1 |
| 6 | C1026 | CAP SCR 0.63-11X2.50 HHGR8 | 18 |
| 7 | 13576 | CAP SCR 0.38-16X1.25 HHGR8 | 2 |
| 8 | 24868 | NUT 0.63-11 HHGR8 NYLOC | 18 |
| 9 | 56673 | NUT 0.38-16 HHGR8 NYLOC | 2 |
| 10 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 36 |
| 11 | C6353 | WASHER 0.38 SAE FLAT YELLOW GR8 | 4 |
| REV. INITIAL RELEASE | | | |

Step 5: Install Bumper.

- See NHTSA (National Highway Truck Safety Administration) Regulations for acceptable placement.
- Modify the truck frame as necessary so that it ends 3.50" from the rear of the hooklift.



Step 6: Install Tarper Tower (If Applicable).

See brand specific installation instructions.

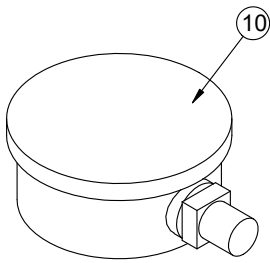
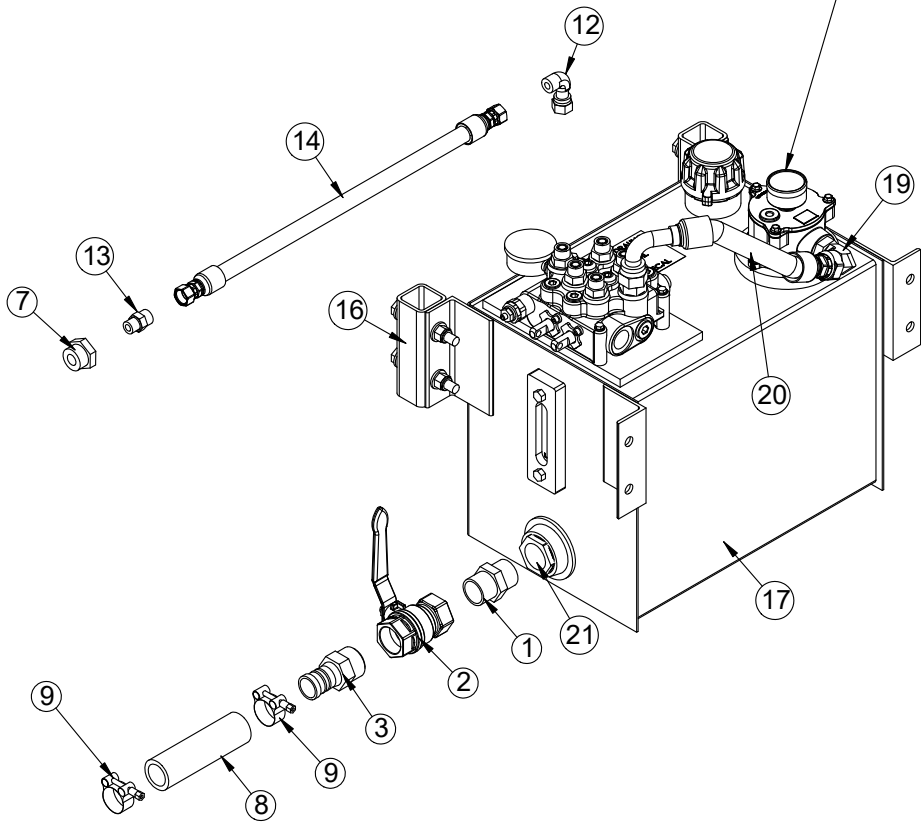
Step 7: Install Hydraulic Reservoir And Valve Bank.

- Before drilling and bolting to the frame, confirm adequate room for cable routing between in-cab controls and the valve bank. **Note: The top of the reservoir should not be above the truck frame. Refer to the Reservoir Assembly Drawings for details.**

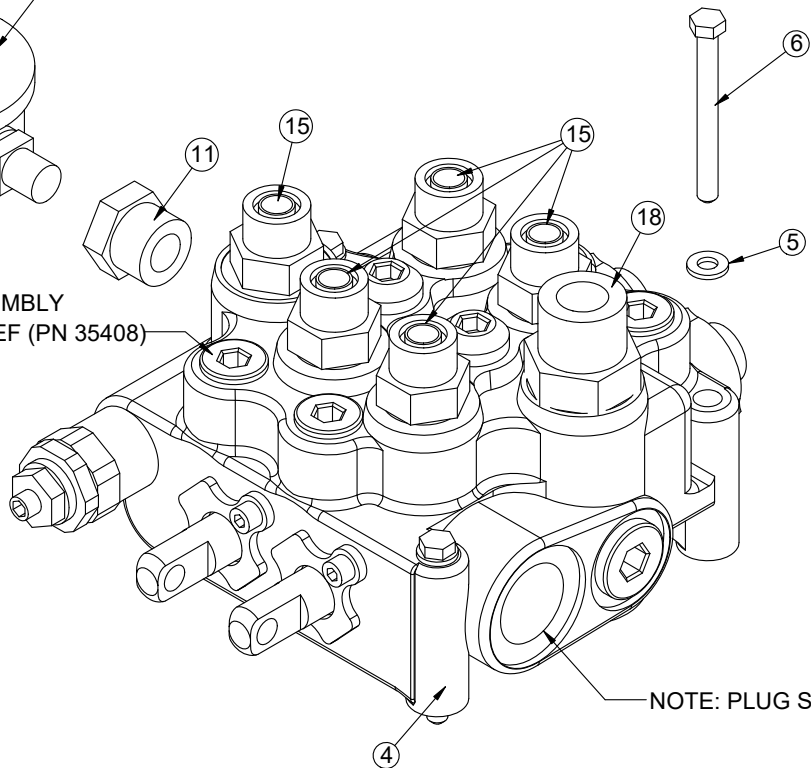
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Reservoir Assembly (Cable Controls) - PN 87080

NOTE: FILTER GAUGE - PN 16145
COMES WITH FILTER - PN 86123



NOTE: IF USED WITH TILT ASSEMBLY
(PN 35032) INSTALL PORT RELIEF (PN 35408)



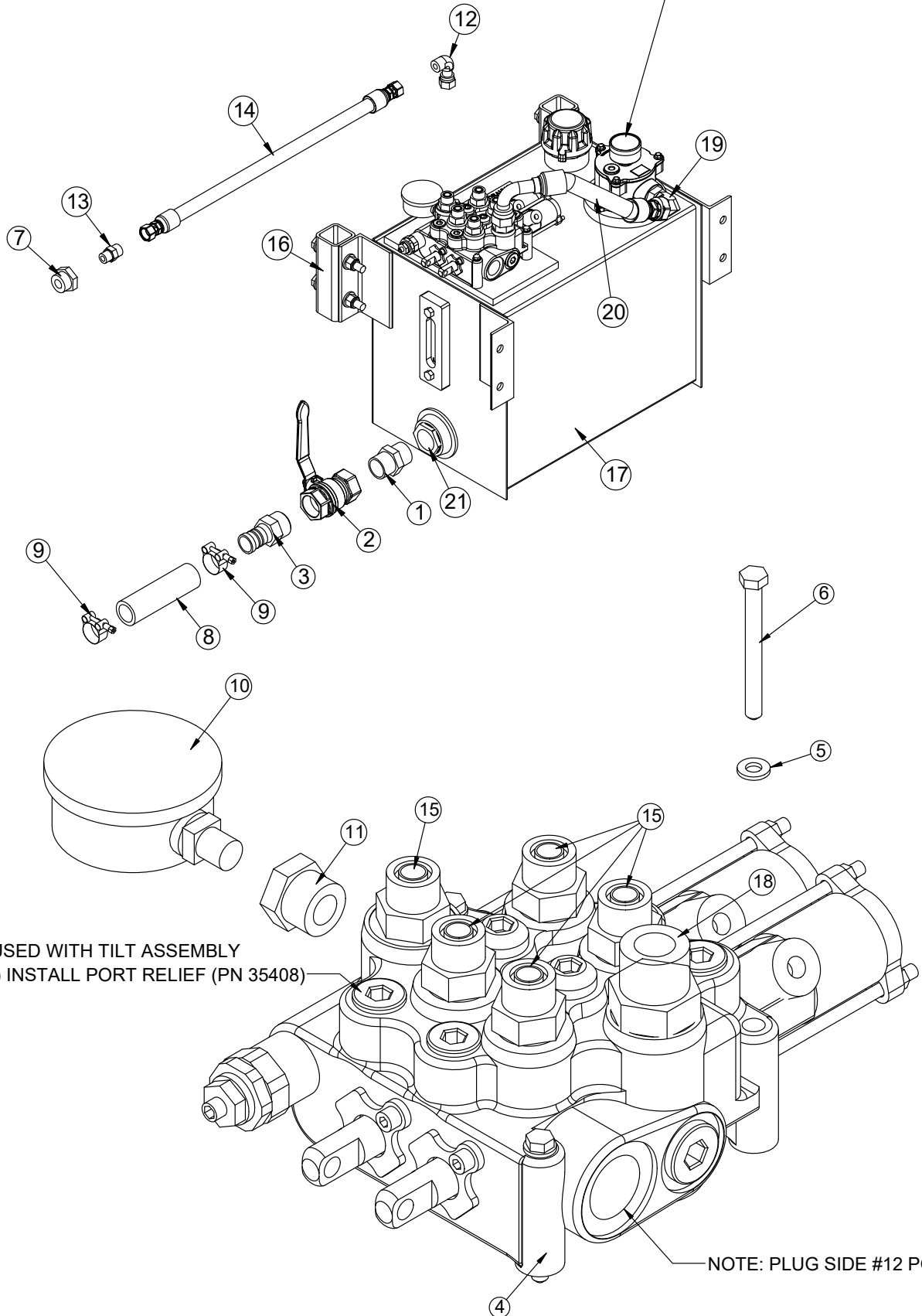
Reservoir Assembly (Cable Controls) - PN 87080 Parts List

| PN 87080 | | | |
|----------|-------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 1115 | FTG 20-20 MP-MP HEX NIPPLE STRAIGHT | 1 |
| 2 | C5511 | VALVE BALL 1.25 | 1 |
| 3 | C2282 | FTG 1.25 NPT TO 1.25 BARB | 1 |
| 4 | 24611 | VB 2-SECT VDM8 BS4-BS4-4200MRV-LCHA-ZNCT | 1 |
| 5 | 0521 | WASHER 0.25 LOCK | 3 |
| 6 | 0339 | CAP SCR 0.25-20X2.50 HHGR5 | 3 |
| 7 | D0549 | FTG 16-8 MORB-FORB STRAIGHT REDUCER | 1 |
| 8 | 17767 | HOSE SUCT 1.25 10FT | 1 |
| 9 | C0075 | HOSE CLAMP HC125 | 2 |
| 10 | 10094 | GAUGE OIL LF 2.5" 0-5000 BM | 1 |
| 11 | 25630 | FTG 10-4 MORB-FP STRAIGHT | 1 |
| 12 | C2376 | FTG 8-8 MFS-FFSS 90 | 1 |
| 13 | 1554 | FTG 8-8 MFS-MORB STRAIGHT | 1 |
| 14 | 31676 | HOSE 0.50(471TC-JC-JC-8-8-8-120) | 1 |
| 15 | C2252 | FTG 8-10 MFS-MORB STRAIGHT | 5 |
| 16 | 84341 | MNT KIT RSRVR 10GAL | 1 |
| 17 | 86117 | RSRVR ASM 10GAL K MODEL W/ TANK TOP FILTER | 1 |
| 18 | C2142 | FTG 12-12 MFS-MORB STRAIGHT | 1 |
| 19 | C5968 | FTG 12-12 MFS-MAORB 90 | 1 |
| 20 | 87077 | HOSE 0.75(300PSI)-12FFSS SHORT-12FFSS 90 SHORT-7.50CL | 1 |
| 21 | C5552 | FILTER STRAINER TFS-1220-0 | 1 |

| ITEMS NOT SHOWN | | |
|-----------------|------------------------------------|-----|
| PART | DESCRIPTION | QTY |
| 25941 | DECAL LOADER VB VDM8 HOSE LOCATION | 1 |
| 42971 | DECAL OIL FILTER CHANGE | 1 |

Reservoir Assembly (Air Controls) - PN 87083

NOTE: FILTER GAUGE - PN 16145
COMES WITH FILTER - PN 86123



NOTE: IF USED WITH TILT ASSEMBLY
(PN 35032) INSTALL PORT RELIEF (PN 35408)

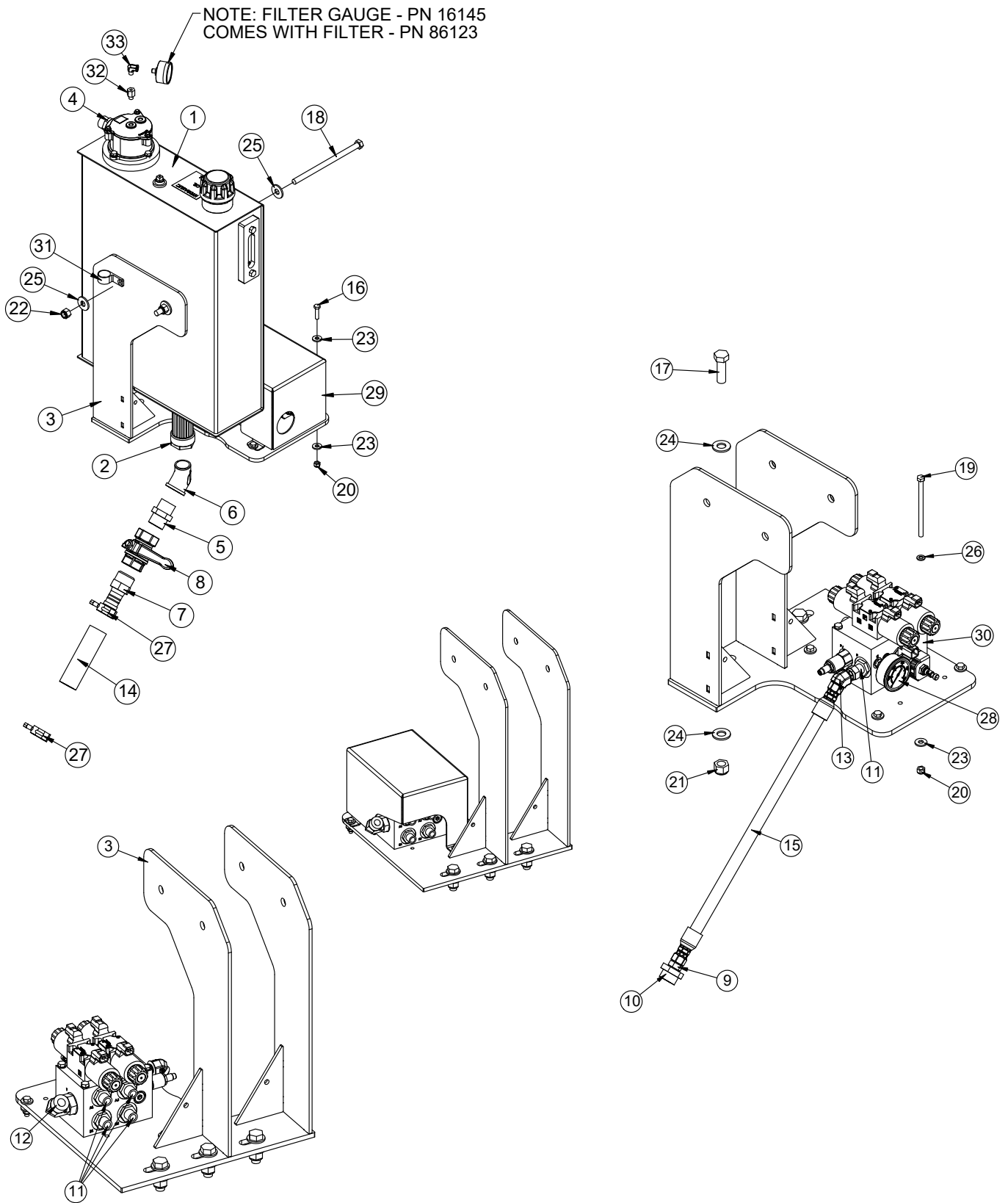
NOTE: PLUG SIDE #12 PORT

Reservoir Assembly (Air Controls) - PN 87083 Parts List

| PN 87083 | | | |
|----------|-------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 1115 | FTG 20-20 MP-MP HEX NIPPLE STRAIGHT | 1 |
| 2 | C5511 | VALVE BALL 1.25 | 1 |
| 3 | C2282 | FTG 1.25 NPT TO 1.25 BARB | 1 |
| 4 | 25940 | VB 2-SECTION VDM8 W/AIR ACTUATORS | 1 |
| 5 | 0521 | WASHER 0.25 LOCK | 3 |
| 6 | 0339 | CAP SCR 0.25-20X2.50 HHGR5 | 3 |
| 7 | D0549 | FTG 16-8 MORB-FORB STRAIGHT REDUCER | 1 |
| 8 | 17767 | HOSE SUCT 1.25 10FT | 1 |
| 9 | C0075 | HOSE CLAMP HC125 | 2 |
| 10 | 10094 | GAUGE OIL LF 2.5" 0-5000 BM | 1 |
| 11 | 25630 | FTG 10-4 MORB-FP STRAIGHT | 1 |
| 12 | C2376 | FTG 8-8 MFS-FFSS 90 | 1 |
| 13 | 1554 | FTG 8-8 MFS-MORB STRAIGHT | 1 |
| 14 | 31676 | HOSE 0.50(471TC-JC-JC-8-8-8-120) | 1 |
| 15 | C2252 | FTG 8-10 MFS-MORB STRAIGHT | 5 |
| 16 | 84341 | MNT KIT RSRVR 10GAL | 1 |
| 17 | 86117 | RSRVR ASM 10GAL K MODEL W/ TANK TOP FILTER | 1 |
| 18 | C2142 | FTG 12-12 MFS-MORB STRAIGHT | 1 |
| 19 | C5968 | FTG 12-12 MFS-MAORB 90 | 1 |
| 20 | 87077 | HOSE 0.75(300PSI)-12FFSS SHORT-12FFSS 90 SHORT-7.50CL | 1 |
| 21 | C5552 | FILTER STRAINER TFS-1220-0 | 1 |
| REV. A | | | |

| ITEMS NOT SHOWN | | |
|-----------------|------------------------------------|-----|
| PART | DESCRIPTION | QTY |
| 25941 | DECAL LOADER VB VDM8 HOSE LOCATION | 1 |
| 42971 | DECAL OIL FILTER CHANGE | 1 |

Reservoir Assembly (Electric Controls) - PN 97093



Reservoir Assembly (Electric Controls) - PN 97093 Parts List

| PN 97093 | | | |
|----------|--------|--|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 88147 | RSRVR ASM 10GAL BLKHD/SIDE MNT | 1 |
| 2 | C5552 | FILTER STRAINER TFS-1220-0 | 1 |
| 3 | 115847 | BRKT WLDNT RSRVR 10GAL BLKHD/SIDE MNT GEN2 | 1 |
| 4 | C2142 | FTG 12-12 MFS-MORB STRAIGHT | 1 |
| 5 | 1115 | FTG 20-20 MP-MP HEX NIPPLE STRAIGHT | 1 |
| 6 | C2245 | ST EL 1.25 45 DEG BLK | 1 |
| 7 | C2282 | FTG 1.25 NPT TO 1.25 BARB | 1 |
| 8 | C5511 | VALVE BALL 1.25 | 1 |
| 9 | 1554 | FTG 8-8 MFS-MORB STRAIGHT | 1 |
| 10 | D0549 | FTG 16-8 MORB-FORB STRAIGHT REDUCER | 1 |
| 11 | C1180 | FTG 8-12 MFS-MORB STRAIGHT | 5 |
| 12 | C5968 | FTG 12-12 MFS-MAORB 90 | 1 |
| 13 | 40298 | FTG 8-8 MFS-FFSS 45 | 1 |
| 14 | 17767 | HOSE SUCT 1.25 10FT | 1 |
| 15 | 31676 | HOSE 0.50(471TC-JC-JC-8-8-8-120) | 1 |
| 16 | 485 | CAP SCR 0.31-18X1.25 HHGR5 | 3 |
| 17 | C1025 | CAP SCR 0.63-11X2.00 HHGR8 | 3 |
| 18 | 48141 | CAP SCR 0.50-13X8.50 HHGR5 | 2 |
| 19 | C0934 | CAP SCR 0.31-18X5.00 HHGR5 | 3 |
| 20 | 342 | NUT 0.31-18 HHGR5 NYLOC | 6 |
| 21 | 24868 | NUT 0.63-11 HHGR8 NYLOC | 3 |
| 22 | C6106 | NUT 0.50-13 HHGR5 NYLOC | 2 |
| 23 | 343 | WASHER 0.31 USS FLAT | 9 |
| 24 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 6 |
| 25 | 352 | WASHER 0.50 USS FLAT | 4 |
| 26 | 522 | WASHER 0.31 LOCK | 3 |
| 27 | C0075 | HOSE CLAMP HC125 | 2 |
| 28 | 39780 | GAUGE OIL LF 2.5 0-6000 CBM SAE | 1 |
| 29 | 100829 | COVER VB D03 2 SECT FOR SIDE MNT TANK | 1 |
| 30 | 97092 | VB 2 SECT D03 | 1 |
| 31 | C5586 | CLAMP 1.38 | 1 |
| 32 | 25465 | FTG 2-2 MP-FP STRAIGHT EXPANDER | 1 |
| 33 | C4692 | FTG 2-2 MP-FP 90 | 1 |

REV.C

ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|-------|------------------------------------|-----|
| 25941 | DECAL LOADER VB VDM8 HOSE LOCATION | 1 |
| 42971 | DECAL OIL FILTER CHANGE | 1 |

NOTE:
97555 - FROM VB RETURN TO RETURN FILTER

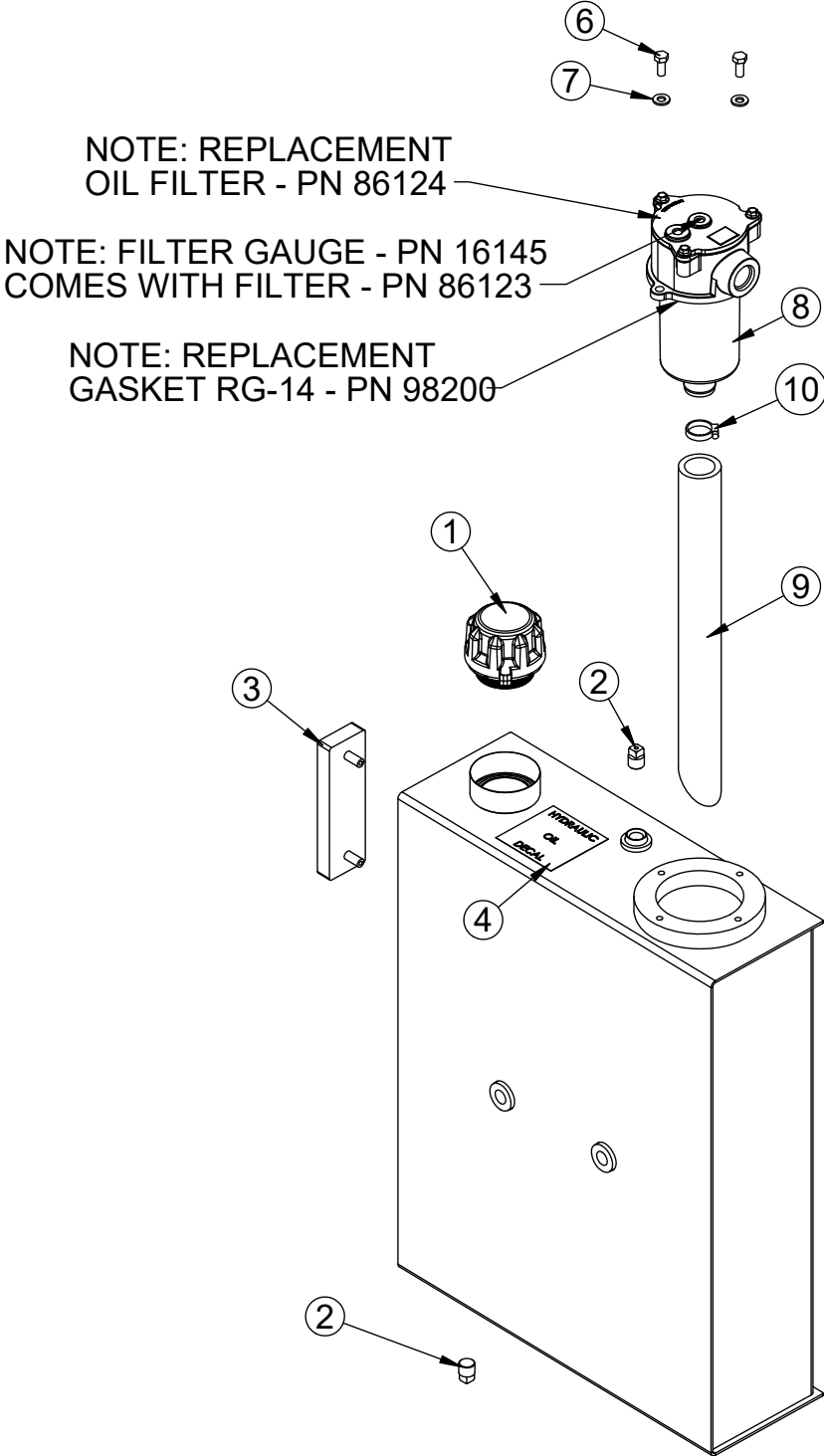
Reservoir Subassembly - PN 86117 Parts List

| PN 86117 | | | |
|----------|-------|--|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | C2126 | PLUG 0.75 NPT SQ HD MAGNETIC | 1 |
| 2 | 15463 | THERMO SIGHT GAUGE ZINGA SG-O5-A-T-N | 1 |
| 3 | 73278 | CAP 1PSI ZINGA THREADED | 1 |
| 4 | 13002 | DECAL HYD OIL SPECIFICATION MOBIL | 1 |
| 5 | 86118 | RSRVR 10GAL K MODEL W/ TANK TOP FILTER | 1 |
| 6 | 86123 | FILTER TANK TOP SMF 12 SAE | 1 |
| 7 | 5591 | WASHER 0.31 SAE FLAT YELLOW GR8 | 2 |
| 8 | 420 | CAP SCR 0.31-18X0.75 HHGR5 | 2 |
| 9 | 86129 | HOSE 1.25X7.50 DOWN TUBE | 1 |
| 10 | C4659 | HOSE CLAMP #16 SS | 1 |
| REV A | | | |

NOTES:

1. **ALL RESEVOIRS WILL NEED TO BE PESSURE TESTED WITH SOAPY WATER TO 5 PSI. THIS PRESSURE TEST WILL INCLUDE FILL CAP, SIGHT GAUGE, CLEAN OUT, ECT.**
2. **ALL RESERVOIR CLEAN OUT CAP RETAINER BOLTS TORQUED TO A CONSTANT VALUE. STELLAR HAS FOUND 18-20 FT-LBS TO BE ADEQUATE HOWEVER THIS IS ONLY A RECOMMENDATION.**
3. **ALL RESERVOIRS WILL INCLUDE A QA CERTIFICATION PLACARD TO INCLUDE: BUILD DATE, BUILDER/WELDER/ASSEMBLER AND SERIAL NUMBER.**
4. **ALL THREADED HOLES SHOULD BE PLUGED BEFORE PAINT.**
5. **AFTER PAINTING CAULK BETWEEN WELDS OF MOUNTING ANGLES AND VALVE BANK MOUNTING PLATE AND TOUCH UP CAULK WITH PAINT.**

Side Mount Reservoir Subassembly - PN 88147



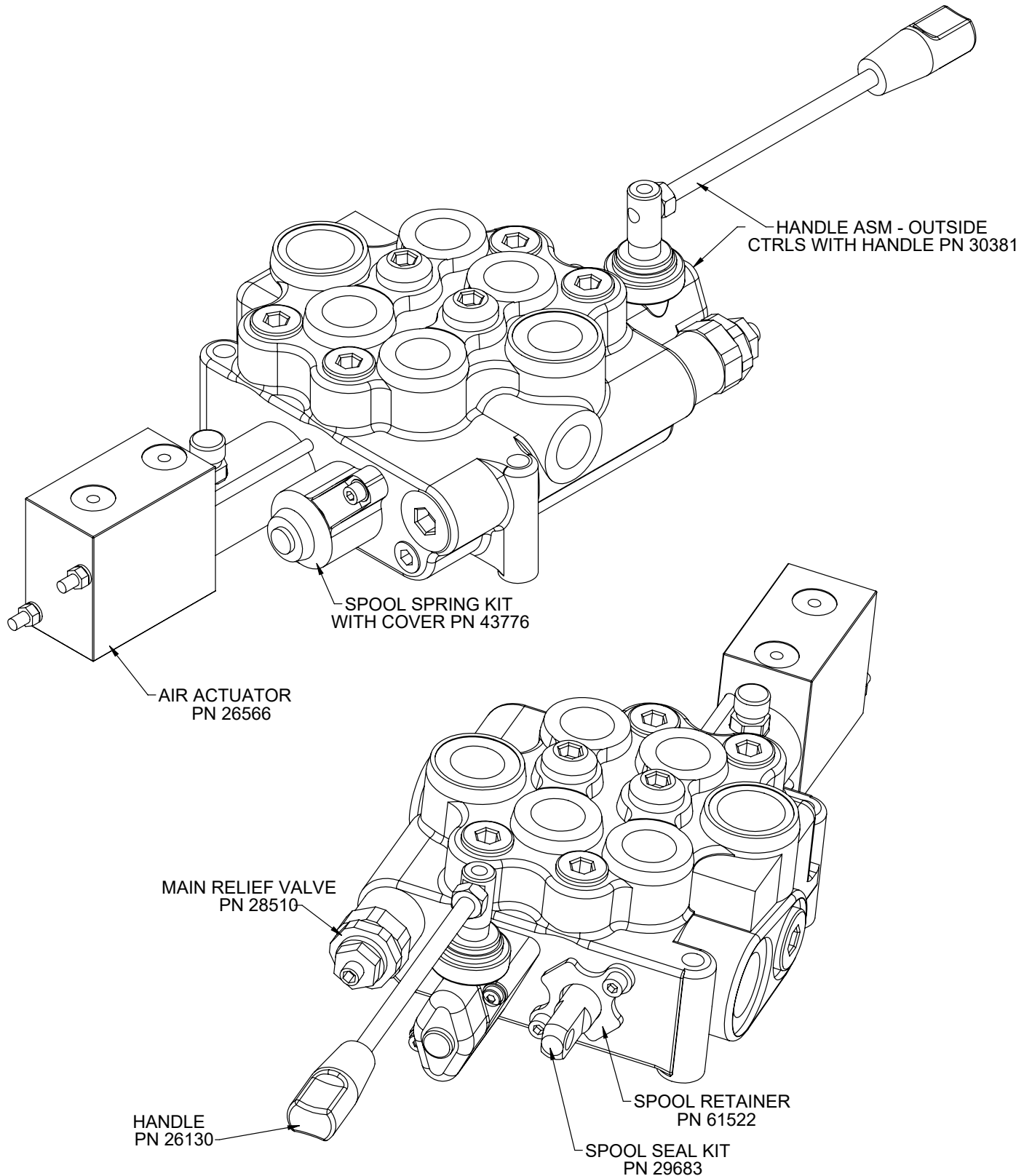
Side Mount Reservoir Subassembly - PN 88147 Parts List

| PN 88147 | | | |
|----------|-------|--------------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 73278 | CAP 1PSI ZINGA THREADED | 1 |
| 2 | C4841 | PLUG 0.38 NPT SQ HD BLK | 2 |
| 3 | 15463 | THERMO SIGHT GAUGE ZINGA SG-O5-A-T-N | 1 |
| 4 | 13002 | DECAL HYD OIL SPECIFICATION MOBIL | 1 |
| 5 | 88148 | RSRVR WLDMT 10GAL BLKHD/SIDE MNT | 1 |
| 6 | 420 | CAP SCR 0.31-18X0.75 HHGR5 | 2 |
| 7 | 5591 | WASHER 0.31 SAE FLAT YELLOW GR8 | 2 |
| 8 | 86123 | FILTER TANK TOP SMF 12 SAE | 1 |
| 9 | 88321 | HOSE 1.25X16.50 DOWN TUBE | 1 |
| 10 | C4659 | HOSE CLAMP #16 SS | 1 |
| REV. A | | | |

NOTES:

1. **ALL RESEVOIRS WILL NEED TO BE PESSURE TESTED WITH SOAPY WATER TO 5 PSI. THIS PRESSURE TEST WILL INCLUDE FILL CAP,SIGHT GAUGE, CLEAN OUT, ECT.**
2. **ALL RESERVOIR CLEAN OUT CAP RETAINER BOLTS TORQUED TO A CONSTANT VALUE. STELLAR HAS FOUND 18-20 FT-LBS TO BE ADEQUATE HOWEVER THIS IS ONLY A RECOMMENDATION.**
3. **ALL RESERVOIRS WILL INCLUDE A QA CERTIFICATION PLACARD TO INCLUDE: BUILD DATE, BUILDER/WELDER/ASSEMBLER AND SERIAL NUMBER.**
4. **ALL THREADED HOLES SHOULD BE PLUGED BEFORE PAINT**
5. **AFTER PAINTING CAULK BETWEEN WELDS OF MOUNTING ANGLES AND VALVE BANK MOUNTING PLATE AND TOUCH UP CAULK WITH PAINT.**

Valve Bank Parts Drawing



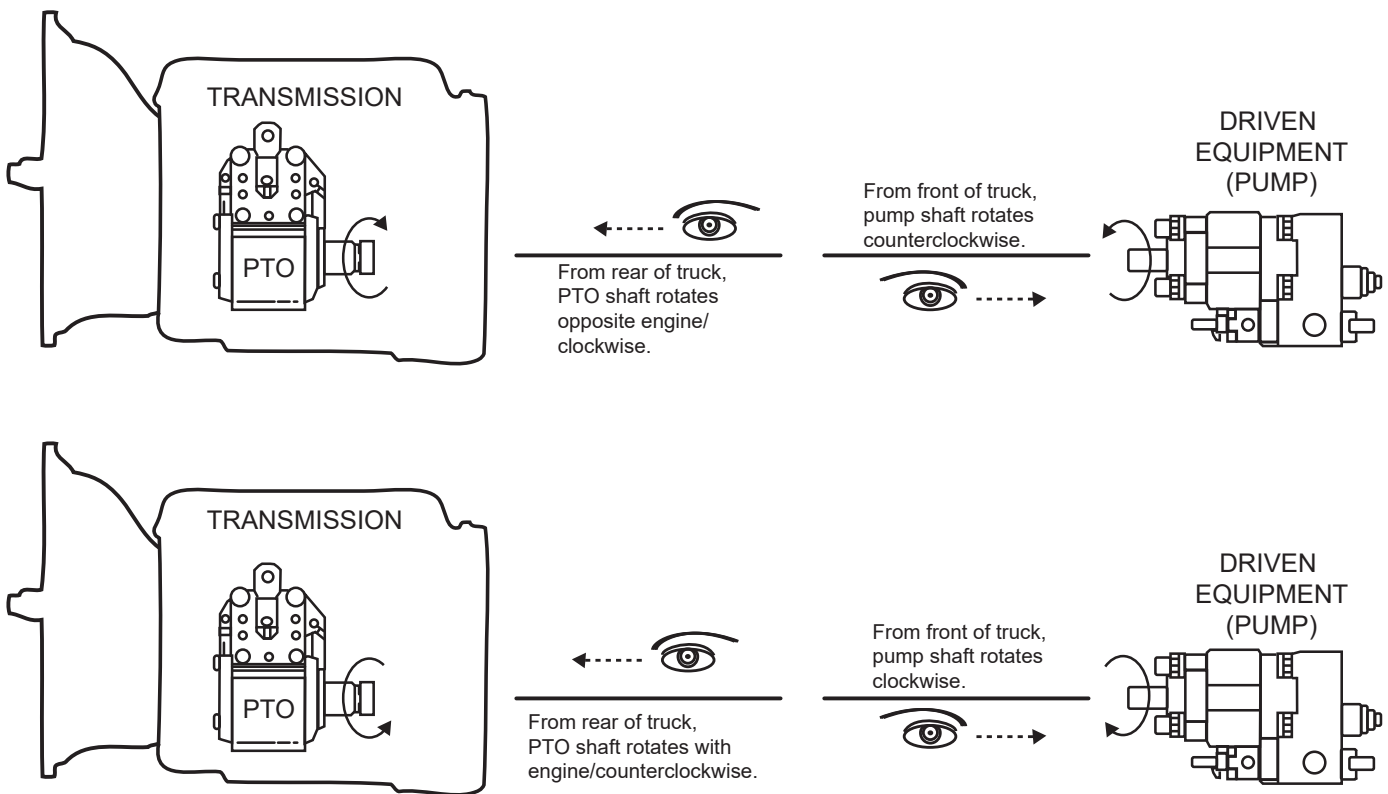
Step 8: Install Pto And Pump.

- Before installing the pump to the PTO, always check the direction of the PTO output shaft to determine which direction the hydraulic pump needs to rotate to operate the equipment. If this is not determined prior to installing the hydraulic pump, the hydraulic pump may rotate in the incorrect direction and damage the front shaft seal.

PTO Direction of Rotation Tip:

Viewed by standing at the rear of the vehicle, looking forward at the PTO shaft, with the PTO shaft pointing toward the rear of the vehicle:

| PTO | DRIVEN EQUIPMENT |
|--|---|
| Rotates Opposite Engine (looks "clockwise") | Driven equipment must rotate counterclockwise (also called left-hand rotation, "A" for anti-clockwise or C.C.W. for counter clockwise). |
| Rotates With Engine (looks "counterclockwise") | Driven equipment must rotate clockwise (also called right-hand rotation or "C" for clockwise). |

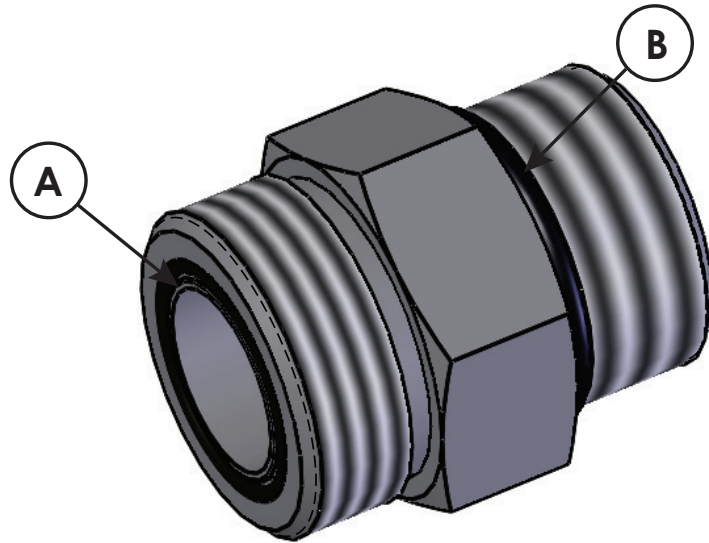


NOTICE

Remember that the PTO is specified by looking from the rear of the truck to the front of the truck. The driven equipment (pump) is specified by looking from the front of the truck to the rear of the truck.

- Use the brand specific PTO/Pump installation instructions. If the directions are not quite clear, contact Stellar® Customer Service or consult with a hydraulic specialty house or company prior to installation.

Face Seal/O-Ring Size Chart



| Hose Size | Fitting Size | Face Seal (A) Stellar® PN | O-ring Boss (B) Stellar® PN |
|-----------|--------------|------------------------------|--------------------------------|
| 1/4" | #4 | C2027 | D1245 |
| 3/8" | #6 | C2028 | D1246 |
| 1/2" | #8 | C2029 | D1247 |
| 5/8" | #10 | 32223 | D1248 |
| 3/4" | #12 | D1244 | D1249 |
| 1" | #16 | | D1250 |

Step 9: Route Hydraulic Hoses.

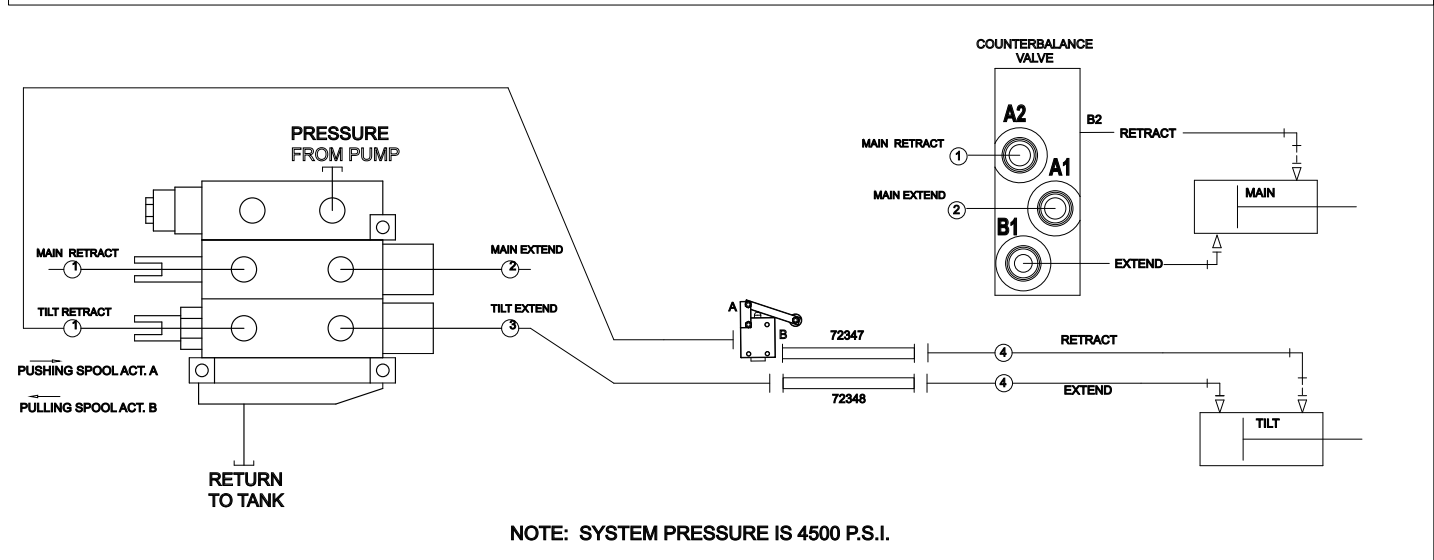
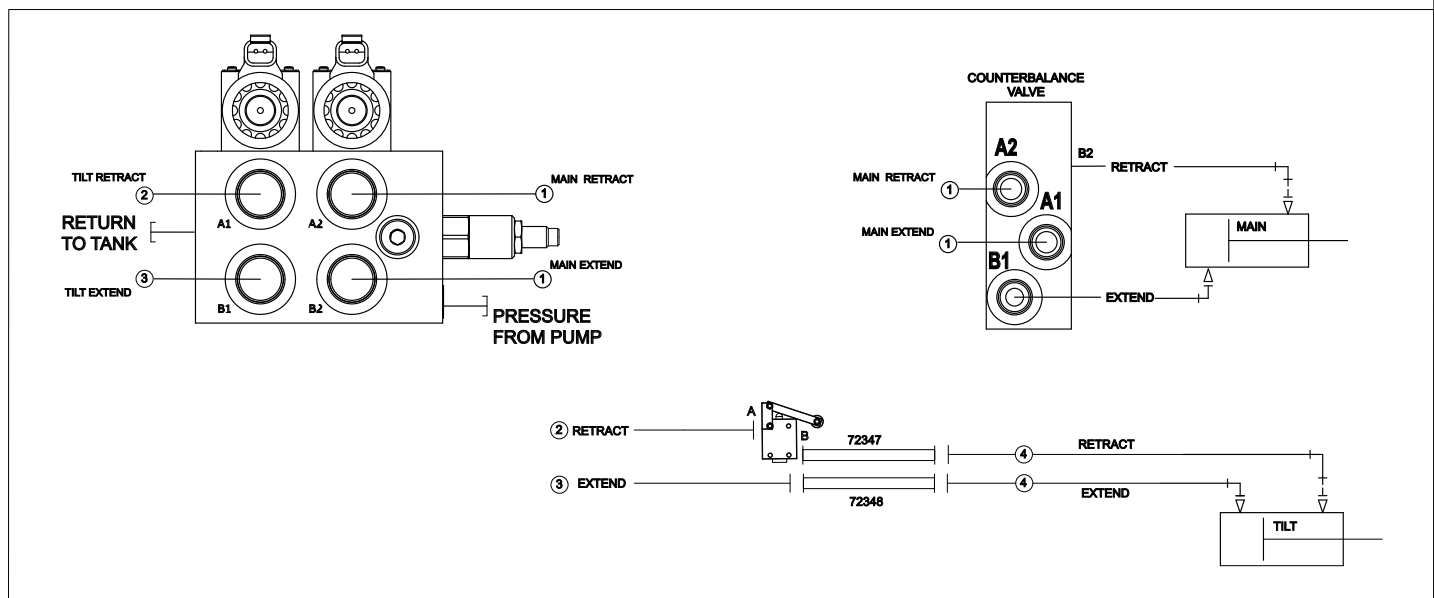
1. Route hose line from the reservoir to the pump (See hose kit drawing for details).
2. Route hose line from the pump to the valve bank (See hose kit drawing for details).
3. Route hose line from the valve bank to the reservoir (See hose kit drawing for details).
4. Route hose line from the valve bank and the hooklift (See hose kit drawing for details).

NOTE: IF USING THE POWER BEYOND FEATURE FOR ADDITIONAL FUNCTION, SEE "POWER BEYOND VDM8 VALVE" ON THE FOLLOWING PAGE FOR FURTHER DETAILS.

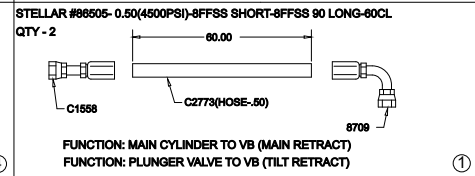
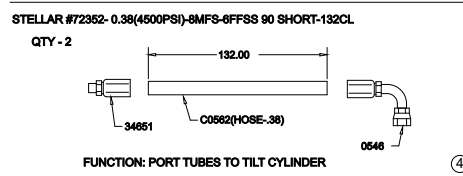
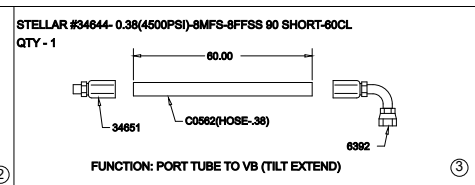
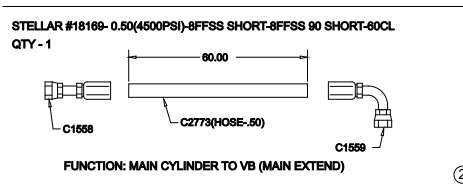
Notes on hose line routing:

- Protect these lines with hose wrap when necessary.
- Keep these lines away from sharp edges.
- Keep these lines away from the exhaust or other temperature extreme items.
- Keep these lines away from the driveshaft or other moving items.

Hose Kit - PN 72353



NOTE: SYSTEM PRESSURE IS 4500 P.S.I.



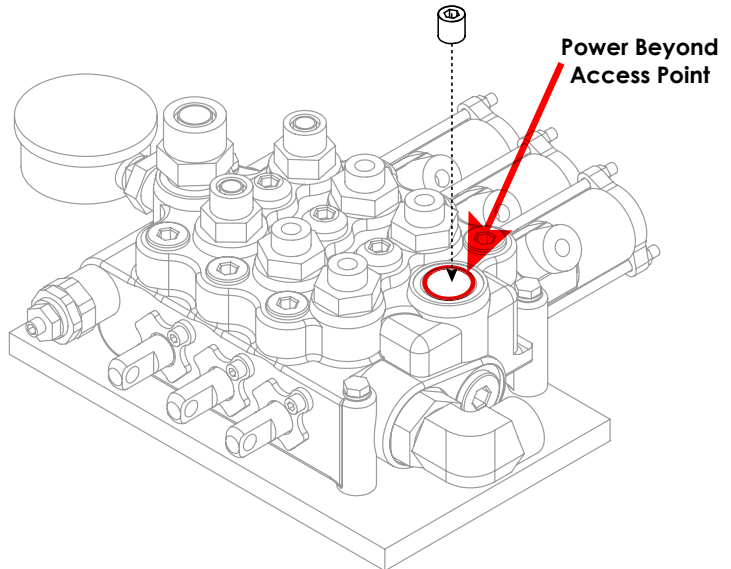
| PN 72353 | | | |
|----------|-------|--|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 01 | 86505 | HOSE 0.50(4500PSI)-8FFSS SHORT-8FFSS 90 LONG-60CL | 2 |
| 02 | 18169 | HOSE 0.50(4500PSI)-8FFSS SHORT-8FFSS 90 SHORT-60CL | 1 |
| 03 | 34644 | HOSE 0.38(4500PSI)-8MFS-8FFSS 90 SHORT-60CL | 1 |
| 04 | 72352 | HOSE 0.38(4500PSI)-8MFS-6FFSS 90 SHORT-132CL | 2 |

Power Beyond VDM8 Valve

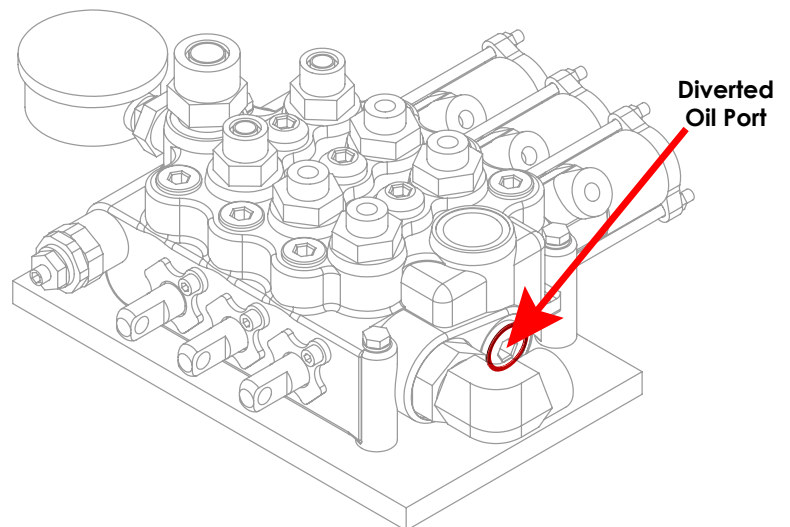
These instructions are intended for correct installation of power beyond on a Salami VDM8 valve bank. If any hydraulic component is integrated after this valve the power beyond must be installed correctly, or serious damage may incur to the hydraulic system.

Kit No: 122069
Contains both 3/8" & 1/2" plugs.

1. Remove cover / access plug to reveal the power beyond access point. Can also be used as the Return / Tank port.
2. Install one (either 1/2" or 3/8") plug from kit number:122069 into lower portion of cavity to activate the power beyond feature. Use thread sealer. (Tape sealers not recommended.)



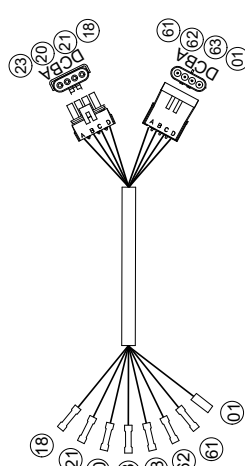
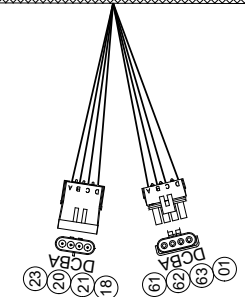
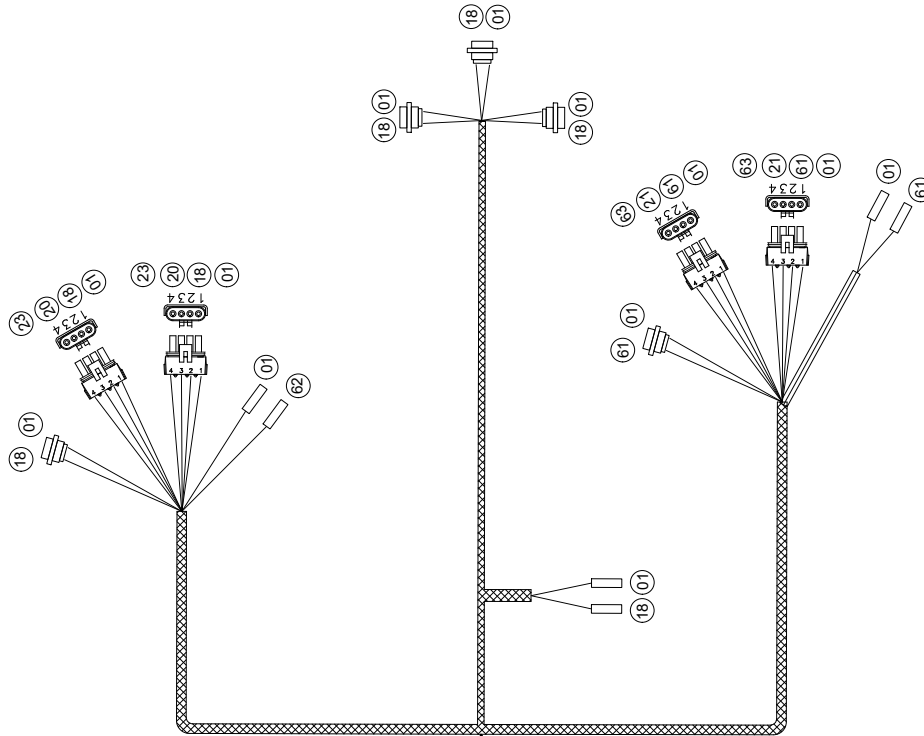
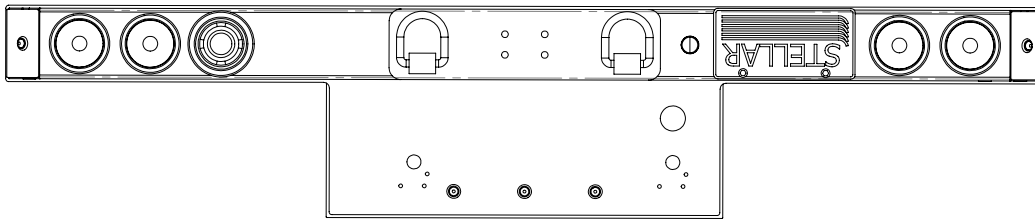
3. The Power Beyond feature is now activated and will divert oil to alternate system via the port shown.



NOTES:

- THE RETURN / TANK LINE MUST BE CONNECTED TO THE TOP OR THE SIDE PORT, LABELED "T".
- USING THE RETURN LINE TO RUN AUXILIARY EQUIPMENT WILL DIRECTLY RESULT IN A FAILURE, AND WILL NOT IN ANY CIRCUMSTANCE, BE COVERED UNDER WARRANTY.
- A STANDARD STELLAR® HOOKLIFT WILL HAVE 6 HYDRAULIC LINES ATTACHED TO THE VALVE. WITH POWER BEYOND ACTIVATED, THEY WILL HAVE 7 HYDRAULIC LINES ATTACHED TO THE VALVE.

Step 10: Route Electrical Components



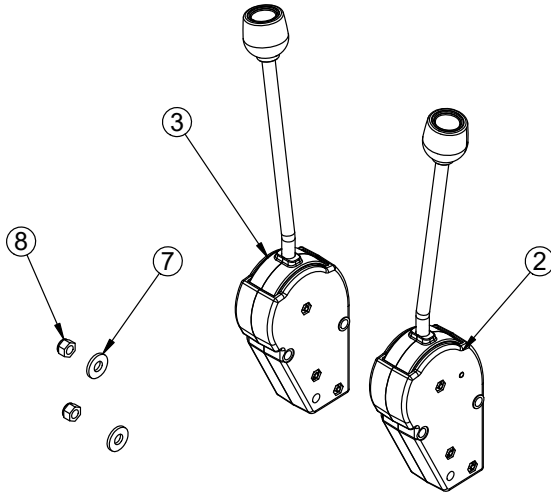
| CIRCUIT # | CIRCUIT |
|-----------|------------------|
| 01 | GROUND |
| 18 | RH MARKER/TAIL |
| 20 | RH TURN SIGNAL |
| 21 | LH TURN SIGNAL |
| 23 | RH BACK UP LIGHT |
| 61 | LH MARKER/TAIL |
| 62 | BACK UP ALARM |
| 63 | LH BACK UP LIGHT |

Step 11: Install Cab And Pto Controls.

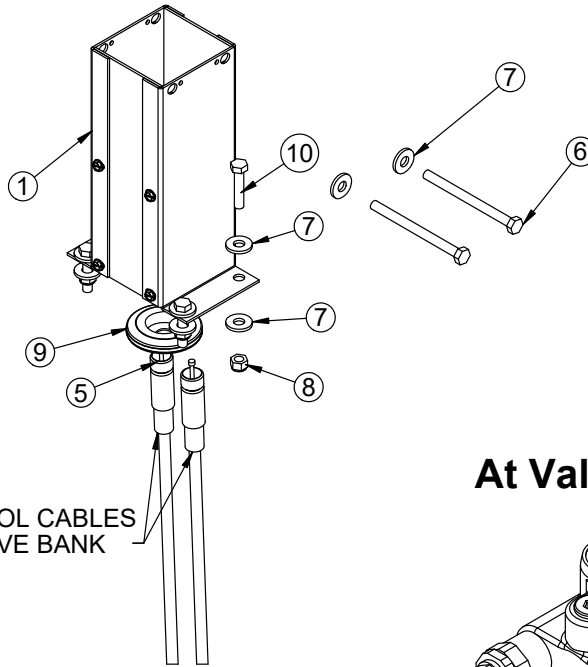
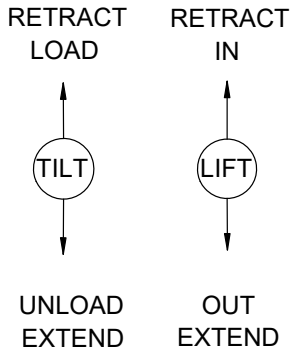
- Use PTO brand specific installation instructions.
- For cab controls, see controller assembly drawing for details:

Cable Controls

In Cab Installation

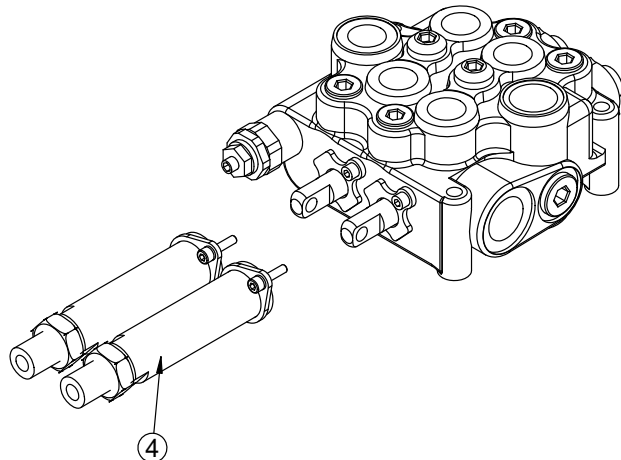


| 2 SECTION | |
|-----------|----------|
| 96 INCH | PN 50835 |
| 144 INCH | PN 53444 |
| 192 INCH | PN 50837 |



CONTROL CABLES TO VALVE BANK

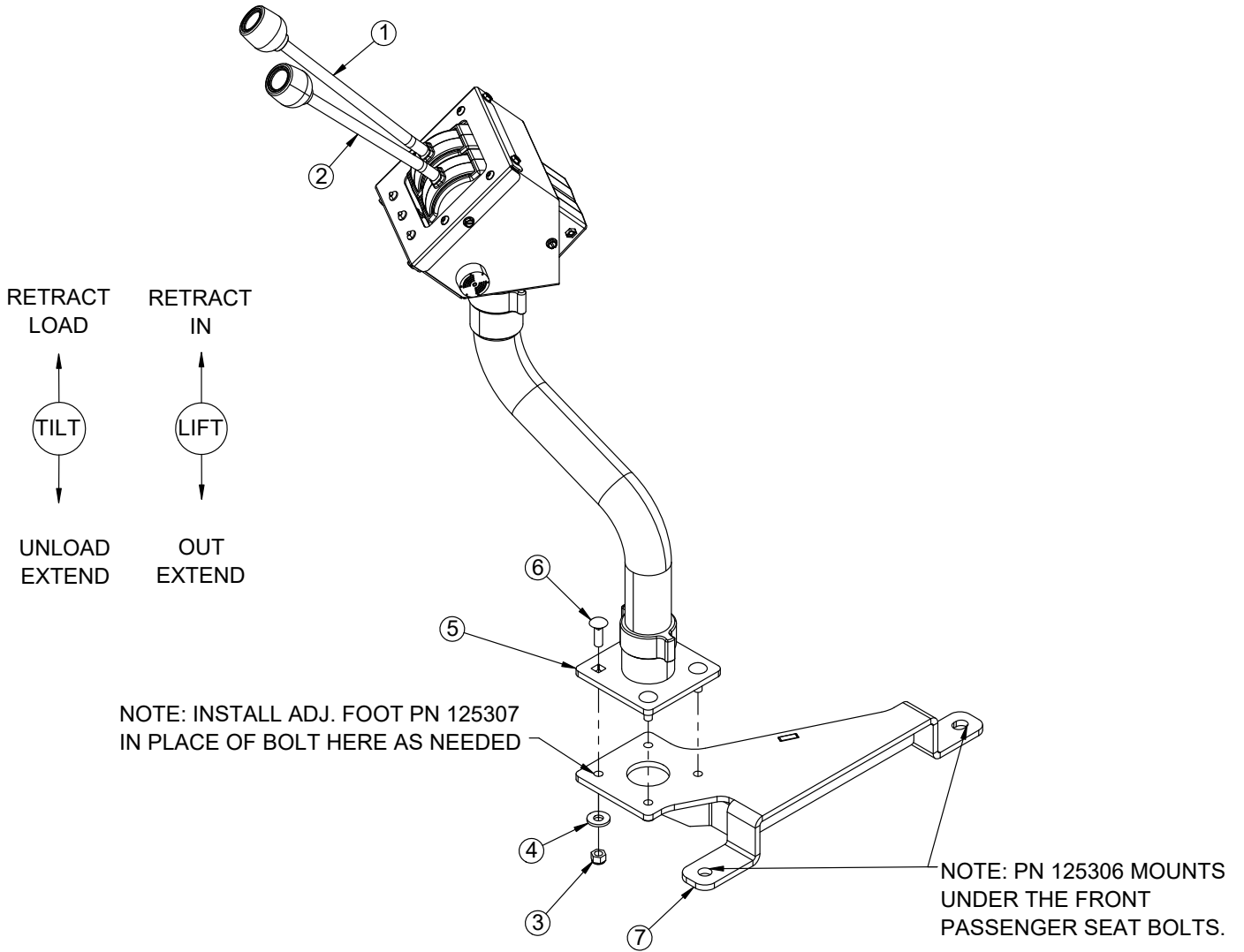
At Valve Installation



Cable Controls - PN 50835 Parts List

| PN 50835 | | | |
|----------|-------|-----------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 37470 | VALVE CTRL CONSOLE 2LEVER RVC | 1 |
| 2 | 37475 | CTRL CNTR LOCK LEFT BEND | 1 |
| 3 | 37474 | CTRL CNTR LOCK RIGHT BEND | 1 |
| 4 | 37469 | CABLE CONN. KIT FOR VD8A/VDM8 | 2 |
| 5 | 37471 | CONTROL CABLE 96 IN WESCON | 2 |
| | 37472 | CONTROL CABLE 144 IN WESCON | 2 |
| | 37473 | CONTROL CABLE 192 IN WESCON | 2 |
| 6 | 0491 | CAP SCR 0.31-18X4.00 HHGR5 | 2 |
| 7 | 0343 | WASHER 0.31 USS FLAT | 12 |
| 8 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 6 |
| 9 | 16948 | GROMMET 2.50ODX1.50GDX0.13X0.56ID | 1 |
| 10 | 0486 | CAP SCR 0.31-18X1.50 HHGR5 | 4 |
| REV. C | | | |

2 Section 120 in Loader w / Ram Mount - Ford F550



2 Section 120 in Loader w / Ram Mount - Ford F550 Parts List

PN125304

| ITEM | PART | DESCRIPTION | QTY |
|------|-------|---------------------------------|-----|
| 1 | 27981 | MAST 9000 | 1 |
| 2 | 0635 | BUSHING 40DXR32 GARLOCK | 4 |
| 3 | C6219 | WASHER 0.75 SAE FLAT YELLOW GR8 | 18 |
| 4 | 4974 | CAP SCR 0.75-10X2.50 HHGR8 ZY | 18 |
| 5 | 0345 | CAP SCR 0.38-16X1.50 HHGR5 | 2 |
| 6 | 71876 | PIN 2.50X13.13 D&T SS | 2 |
| 7 | 8377 | PIN CAP 0.56X3.50X0.19 YZ | 4 |
| 8 | D0790 | WASHER 0.50 FLAT GR8 | 4 |
| 9 | 10172 | CAP SCR 0.50-13X1.00 HHGR8 ZY | 4 |
| 10 | 0523 | WASHER 0.38 LOCK | 2 |
| 11 | 29352 | CYLINDER ASM 6.00X28.63 | 1 |
| 12 | 30009 | HOSE CLAMP 9000 | 1 |

REV. B

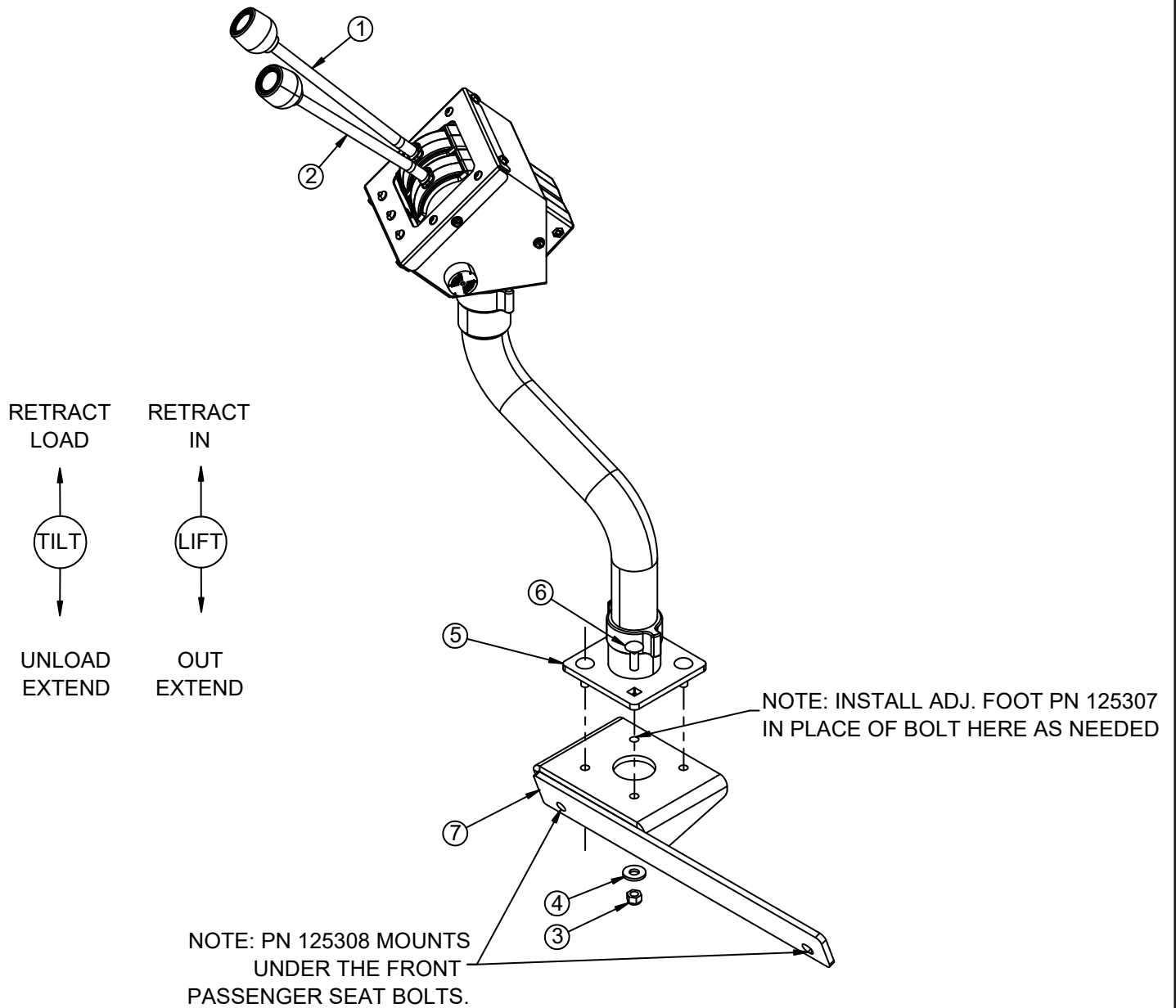
ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|-------|-----------------------------|--------|
| C4739 | TRIM EDGE 0.38X0.63 AL | 0.66FT |
| C4758 | TRIM EDGE 0.06X0.56 AL | 0.79FT |
| 37472 | CONTROL CABLE 144 IN WESCON | 2 |

NOTES:

**INSTALL ADJ. FOOT PN 125307 IN PLACE OF BOLT HERE AS NEEDED.
PN 125306 MOUNTS UNDER THE FRONT PASSENGER SEAT BOLTS.**

2 Section 120 in Loader w/Ram Mount - RAM 5500



2 Section 120 in Loader w/Ram Mount - RAM 5500 - PN 99377 Parts List

PN 125305

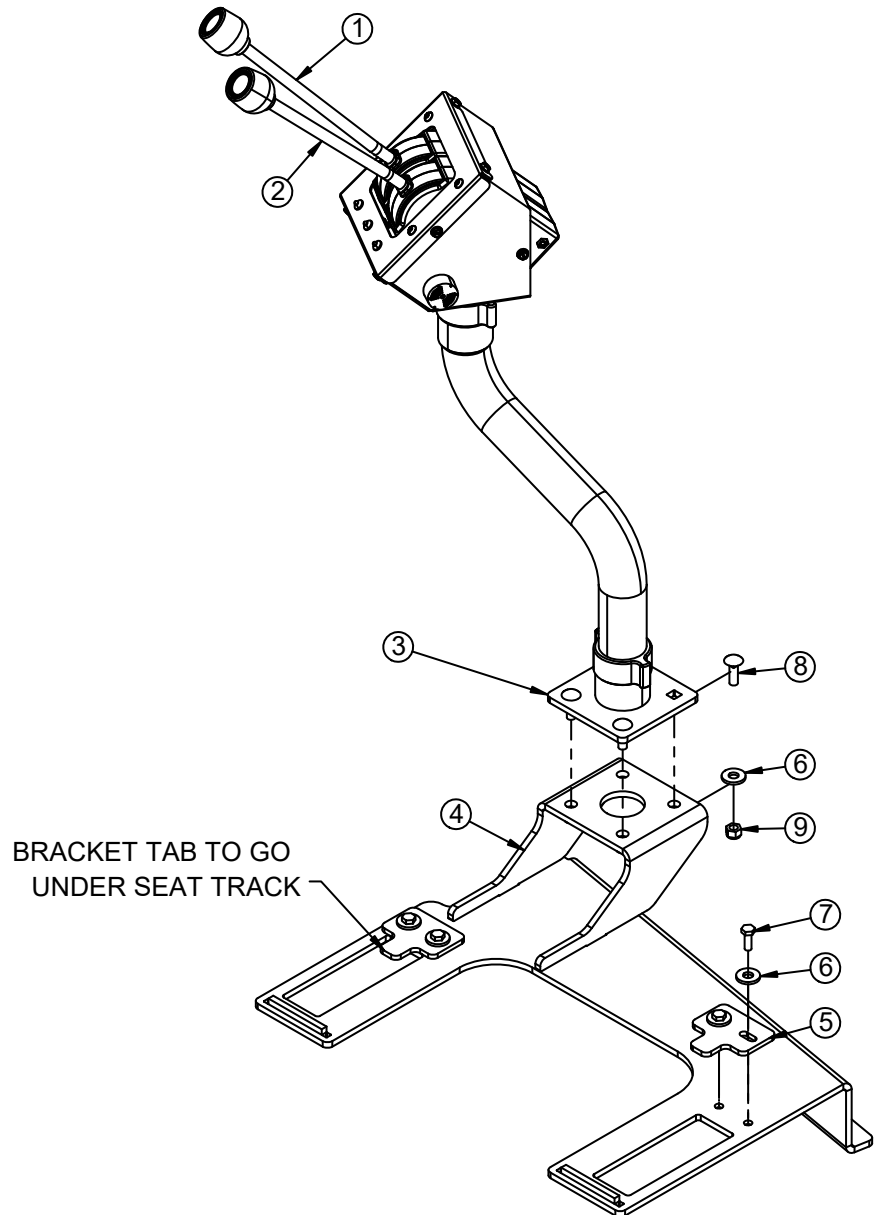
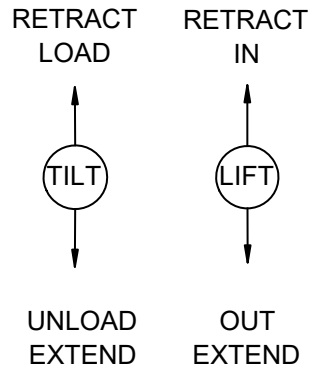
| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---|-----|
| 1 | 37474 | CTRL CNTR LOCK RIGHT BEND | 1 |
| 2 | 37475 | CTRL CNTR LOCK LEFT BEND | 1 |
| 3 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 4 |
| 4 | 0343 | WASHER 0.31 USS FLAT | 4 |
| 5 | 116593 | CONTROLLER 2 SECT CABLE PED FLEX | 1 |
| 6 | 18906 | BOLT CARRIAGE 0.31-18X1.00 SS | 4 |
| 7 | 125308 | BASE PEDESTAL ADAPT RAM 1500-5500 2008-2014 | 1 |

REV. B

ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|--------|-------------------------------------|-----|
| 37469 | CABLE CONN. KIT FOR VD8A/VDM8 | 2 |
| 99375 | CONTROL CABLE 120 IN WESCON | 2 |
| 16948 | GROMMET 2.50ODX1.50GDX0.13X0.56ID | 1 |
| 125307 | STABILIZER RAM MOUNT ADJ FOOT | 1 |
| 125248 | WIRE HRNS CHAS FLEX 36 W/TAB | 1 |
| 131713 | ELEC SCHEM CONTROLLER ASM FLEX GEN2 | 1 |
| 37472 | CONTROL CABLE 144 IN WESCON | 2 |

2 Section 120 in Loader w / Ram Mount - Chevy



2 Section 120 in Loader w / Ram Mount - Chevy Parts List

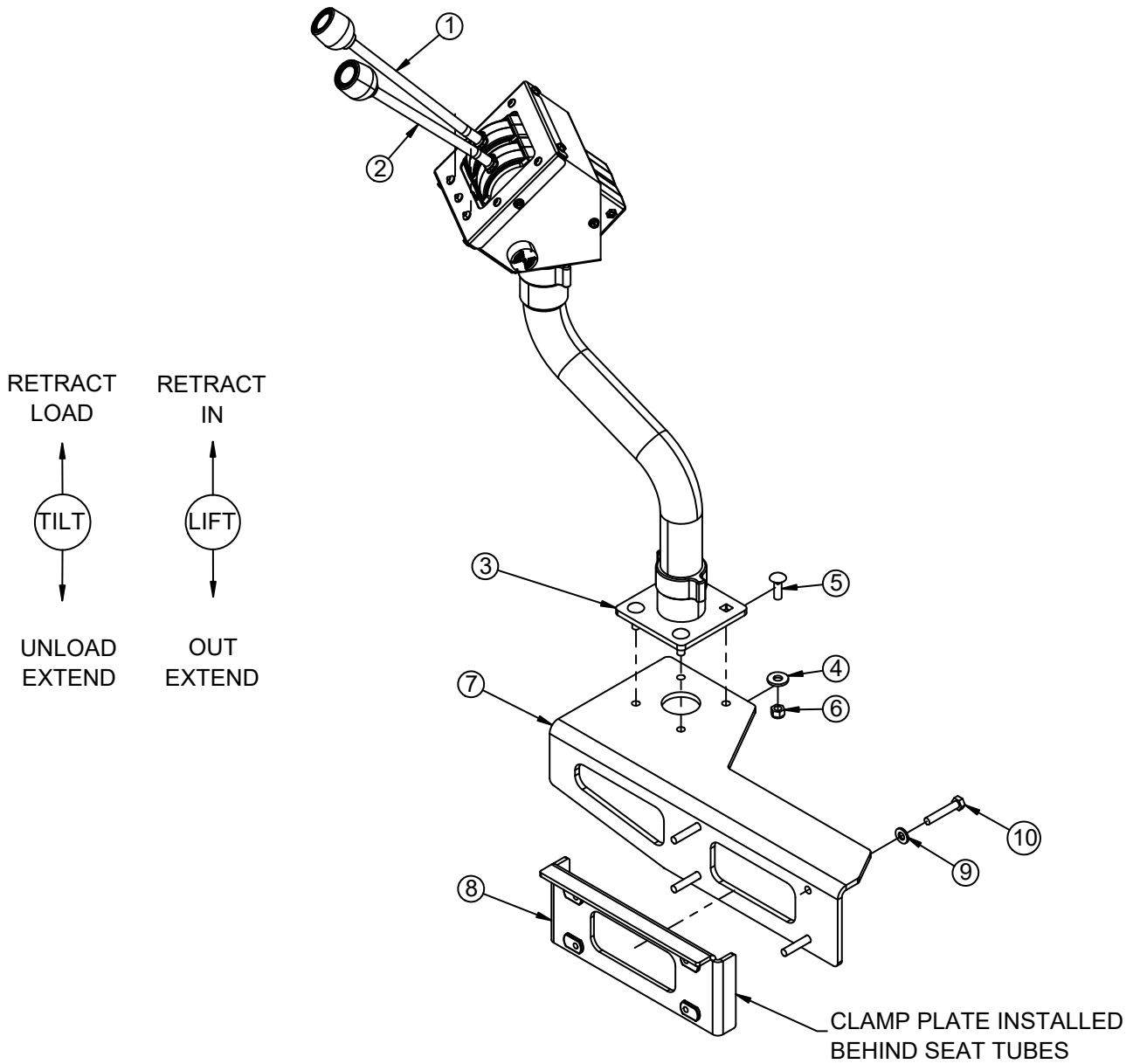
PN 131082

| ITEM | PART | DESCRIPTION | QTY |
|------|--------|---------------------------------------|-----|
| 1 | 37474 | CTRL CNTR LOCK RIGHT BEND | 1 |
| 2 | 37475 | CTRL CNTR LOCK LEFT BEND | 1 |
| 3 | 116593 | CONTROLLER 2 SECT CABLE PED FLEX | 1 |
| 4 | 131083 | BASE RAM MOUNT 2017 CHEVY | 1 |
| 5 | 131086 | PLATE CLAMP BASE RAM MOUNT 2017 CHEVY | 2 |
| 6 | 0343 | WASHER 0.31 USS FLAT | 8 |
| 7 | 0479 | CAP SCR 0.25-20X0.75 HHGR5 | 4 |
| 8 | 18906 | BOLT CARRIAGE 0.31-18X1.00 SS | 4 |
| 9 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 4 |

ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|--------|-------------------------------------|-----|
| 37469 | CABLE CONN. KIT FOR VD8A/VDM8 | 2 |
| 99375 | CONTROL CABLE 120 IN WESCON | 2 |
| 16948 | GROMMET 2.50ODX1.50GDX0.13X0.56ID | 1 |
| 125248 | WIRE HRNS CHAS FLEX 36 W/TAB | 1 |
| 131713 | ELEC SCHEM CONTROLLER ASM FLEX GEN2 | 1 |
| 37472 | CONTROL CABLE 144 IN WESCON | 2 |

2 Section 120 in Loader w / Ram Mount - Freightliner



2 Section 120 in Loader w / Ram Mount - Freightliner Parts List

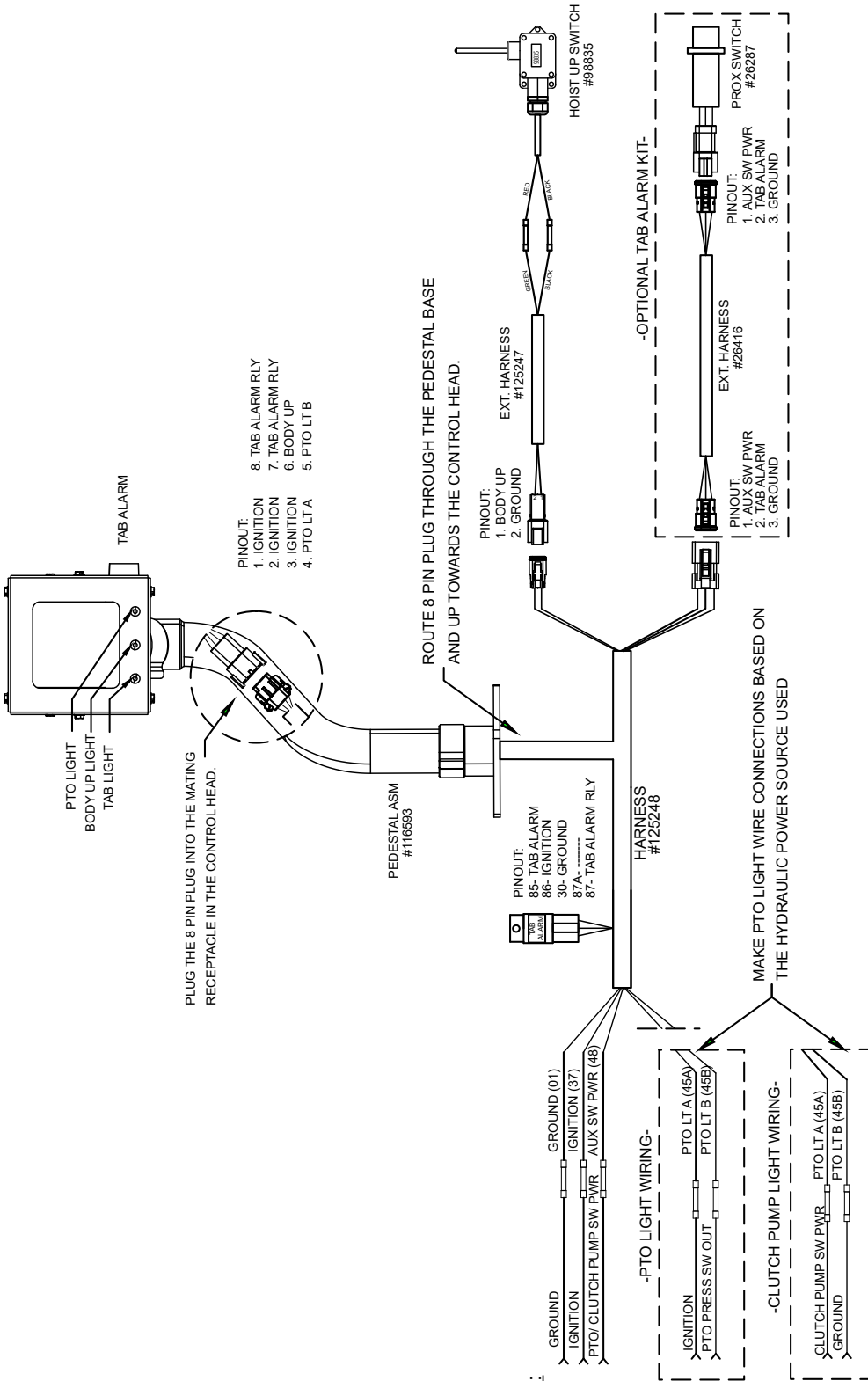
PN 131702

| ITEM | PART | DESCRIPTION | QTY |
|------|--------|-----------------------------------|-----|
| 1 | 37474 | CTRL CNTR LOCK RIGHT BEND | 1 |
| 2 | 37475 | CTRL CNTR LOCK LEFT BEND | 1 |
| 3 | 116593 | CONTROLLER 2 SECT CABLE PED FLEX | 1 |
| 4 | 0343 | WASHER 0.31 USS FLAT | 4 |
| 5 | 18906 | BOLT CARRIAGE 0.31-18X1.00 SS | 4 |
| 6 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 4 |
| 7 | 131700 | BASE CONTROL TOWER FRTLNR M2 2023 | 1 |
| 8 | 131701 | CLAMP BASE MOUNT FRTLNR M2 2023 | 1 |
| 9 | 5591 | WASHER 0.31 SAE FLAT YELLOW GR8 | 4 |
| 10 | 0487 | CAP SCR 0.31-18X1.75 HHGR5 | 4 |

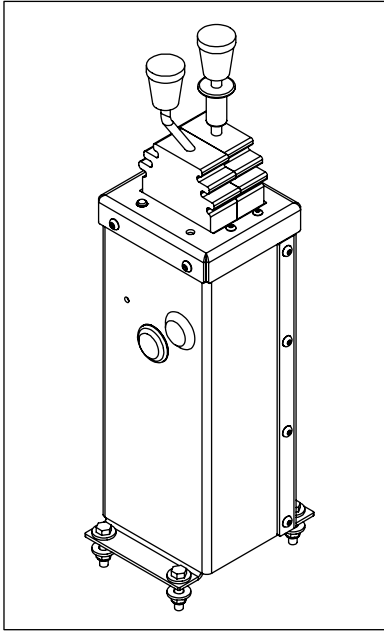
ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|--------|-------------------------------------|-----|
| 37469 | CABLE CONN. KIT FOR VD8A/VDM8 | 2 |
| 99375 | CONTROL CABLE 120 IN WESCON | 2 |
| 16948 | GROMMET 2.50ODX1.50GDX0.13X0.56ID | 1 |
| 125248 | WIRE HRNS CHAS FLEX 36 W/TAB | 1 |
| 131713 | ELEC SCHEM CONTROLLER ASM FELX GEN2 | 1 |
| 37472 | CONTROL CABLE 144 IN WESCON | 2 |

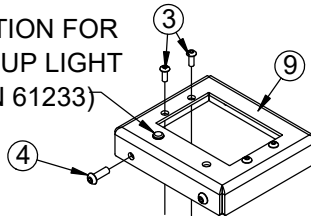
Controller Assembly - PN 131713



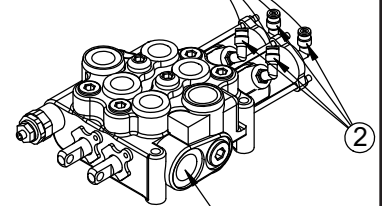
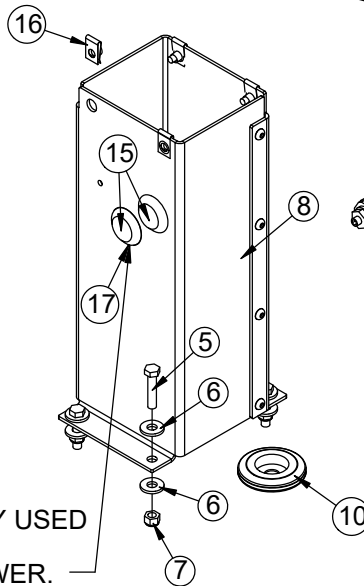
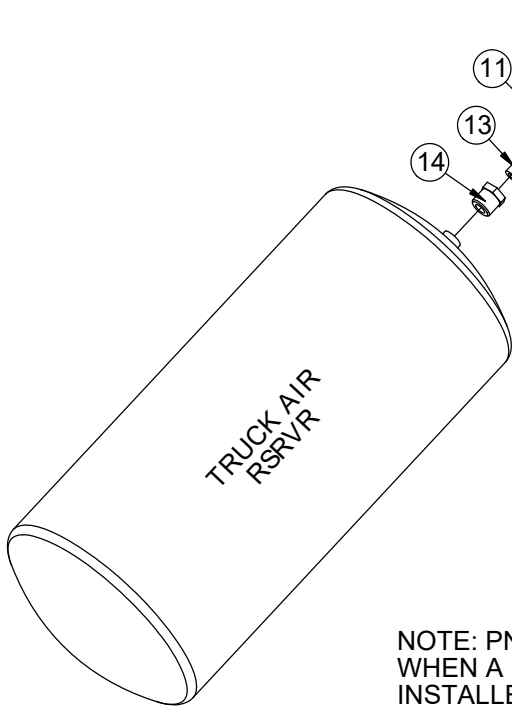
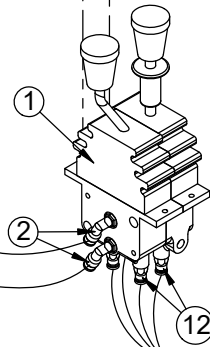
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LOCATION FOR
DUMP UP LIGHT
(PN 61233)



EXHAUST



VALVE BANK
SHOWN AS
REFERENCE ONLY

NOTE: PN 12813 IS ONLY USED
WHEN A PTO SWITCH IS
INSTALLED ON THE TOWER.

Air Controls - PN 87689 Parts List

PN 87689

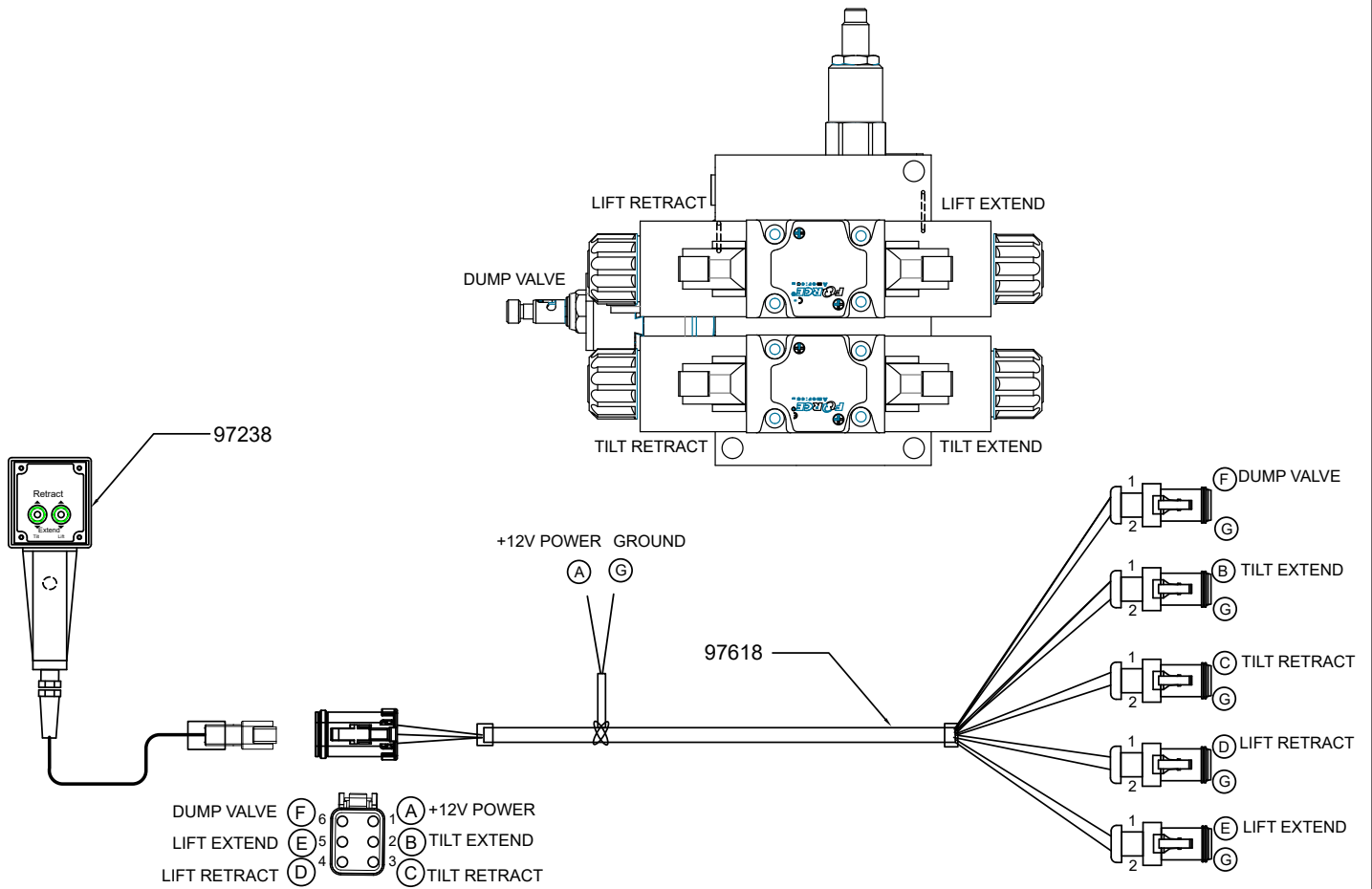
| ITEM | PART | DESCRIPTION | QTY |
|------|-------|---|-----|
| 1 | 41988 | CTRL 2 BANK 4WAY AIR CNTR LOCK | 1 |
| 2 | 45687 | FTG 4-2 MP-PTC 90 BRASS 1169X4S | 7 |
| 3 | D1711 | CAP SCR #10-24X0.50 BTNHD SS | 4 |
| 4 | C6021 | CAP SCR 0.25-20X0.75 BTNHD SS | 4 |
| 5 | 0486 | CAP SCR 0.31-18X1.50 HHGR5 | 4 |
| 6 | 0343 | WASHER 0.31 USS FLAT | 8 |
| 7 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 4 |
| 8 | 87691 | CONTROL TOWER SUB-ASM 2-SECT HOOKLIFT | 1 |
| 9 | 87688 | LID CONTROL TOWER 2-SECT HOOKLIFT | 1 |
| 10 | 16948 | GROMMET 2.50ODX1.50GDX0.13X0.56ID | 1 |
| 11 | 35211 | PTO AIR REGULATOR 378414 | 1 |
| 12 | 45333 | FTG 4-2 PC DOT-MP STRAIGHT | 4 |
| 13 | C5934 | FTG 4-4XCLOSE MP-MP NIPPLE STRAIGHT BLK | 1 |
| 14 | C1065 | BUSHING 0.50X0.25 BLK | 1 |
| 15 | 86116 | PLUG PLASTIC 1.13 HOLE BLK | 2 |
| 16 | 67296 | NUT CLIP ON .25X.025-.15X.53 | 4 |
| 17 | 12813 | GROMMET 1.50ODX1.25GDX0.13X0.63ID | 1 |

REV. A

ITEMS NOT SHOWN

| PART | DESCRIPTION | QTY |
|-------|--------------------------------------|------|
| 88146 | DECAL CONTROL TOWER LID SHUTTLE 2SEC | 1 |
| D1810 | TBE AIR SAEJ844 TYPE A .25 (RM) | 60FT |

Electric Controls - PN 97617

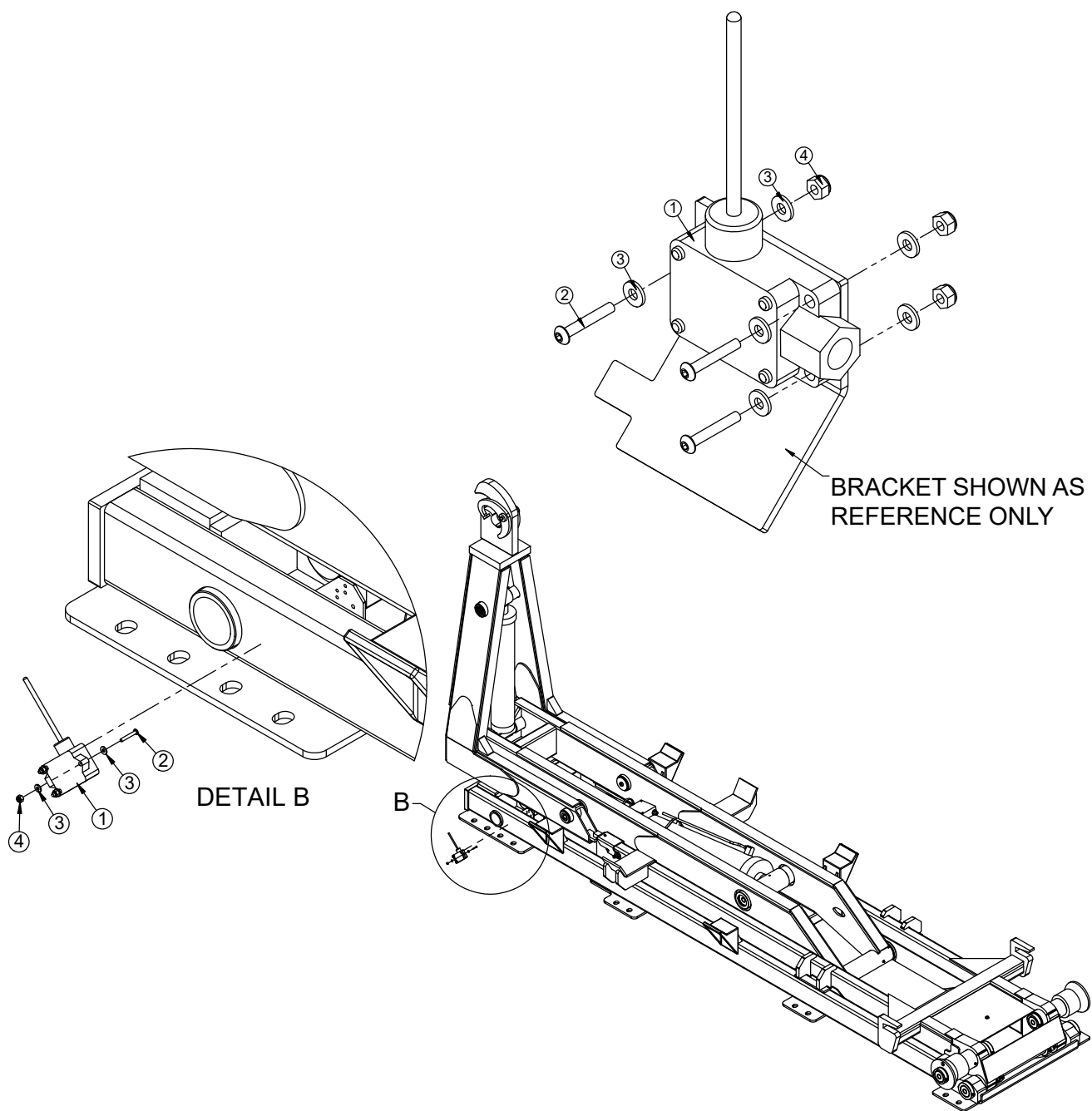


| PN 97617 | |
|-------------|--------------|
| CIRCUIT NO. | CIRCUIT |
| A | +12V POWER |
| B | TILT EXTEND |
| C | TILT RETRACT |
| D | LIFT RETRACT |
| E | LIFT EXTEND |
| F | DUMP VALVE |
| G | GROUND |

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Step 12: Install Hoist Up Light Sensor - PN 83115

Install the hoist up light sensor onto the base of the hooklift as shown:



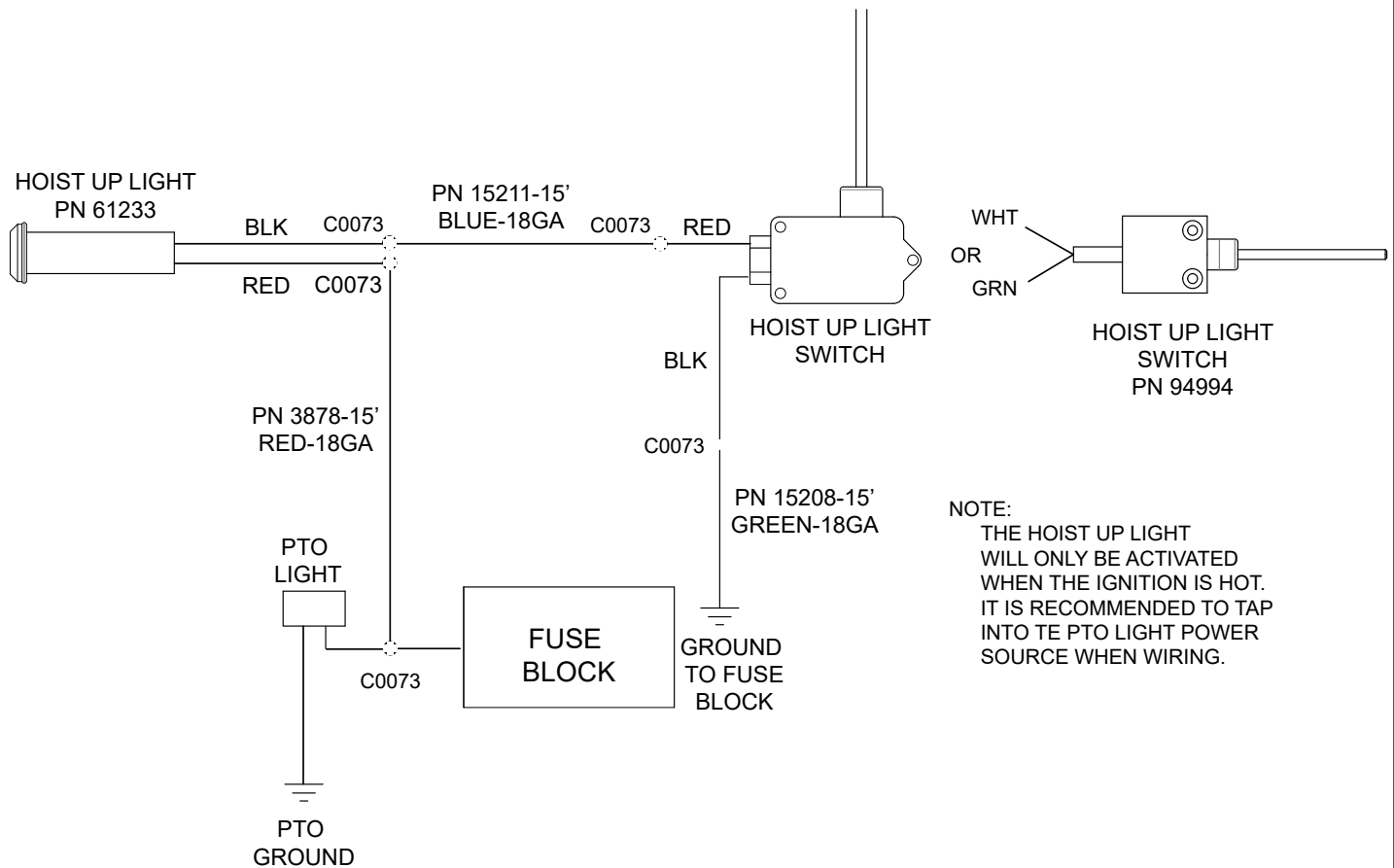
NOTE:
INSTALL DUMP-UP LIGHT (PN 61233) IN CONTROL TOWER IF AIR CONTROLS, AND IN-DASH ON STREET SIDE OF STEERING WHEEL IF CABLE OR ELECTRIC CONTROLS.

Hoist Up Light Sensor - PN 83115 Parts List

| PN 83115 | | | |
|----------|-------|------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 98835 | SWITCH ASM HOIST UP W/ 2P DT | 1 |
| 2 | 30472 | CAP SCR #10-24X1.25 BTNHD SS | 3 |
| 3 | D0178 | WASHER #10 SAE FLAT | 6 |
| 4 | 26034 | NUT #10-24 HH NYLOC | 3 |

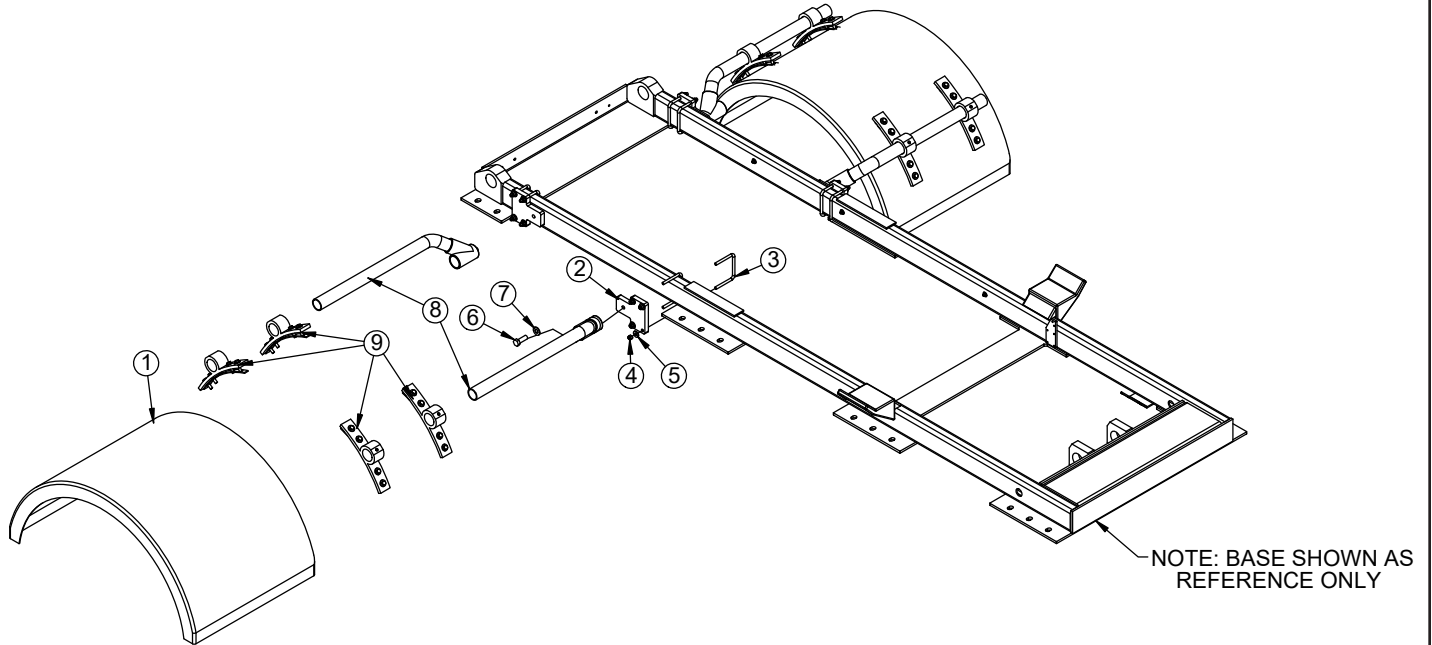
| ITEMS NOT SHOWN | | |
|-----------------|---|-----|
| PART | DESCRIPTION | QTY |
| C0073 | TERML 16-14 BUTT WATER TIGHT | 5 |
| 3878 | WIRE 18GA (RM) RED (PRIMARY) SAE J-1128 | 15 |
| 15211 | WIRE 18GA (RM) BLUE SAE J-1128 | 15 |
| 15208 | WIRE 18GA (RM) GREEN SAE J-1128 | 15 |
| 61233 | LIGHT LED CONTROL PANEL RED | 1 |
| 88324 | ELEC SCHEM CONTROL TOWER GEN2 | 1 |

Schematic PN 88324



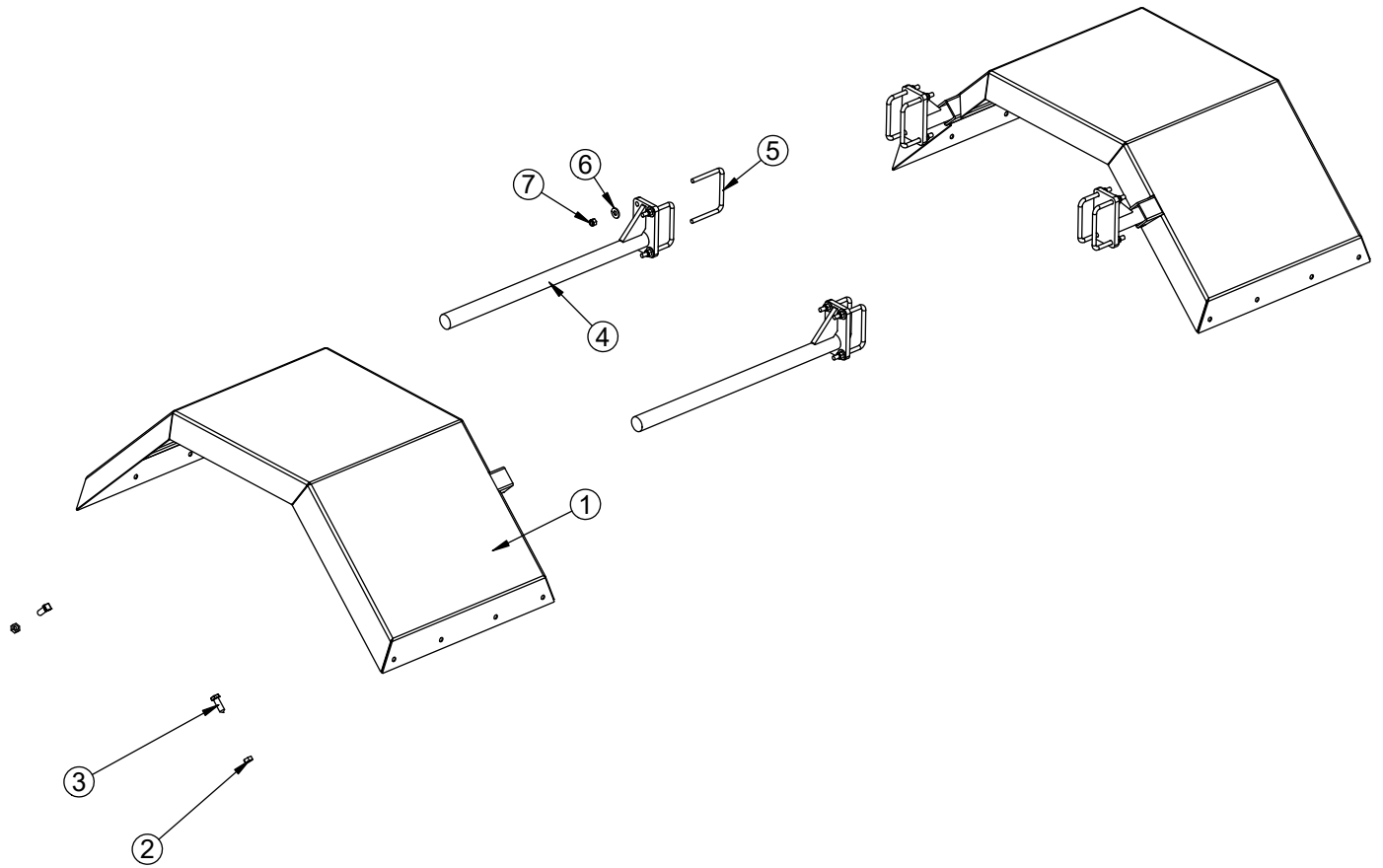
Step 13: Install Mud Flaps And Fenders.

Poly Fender Assembly - PN 96897



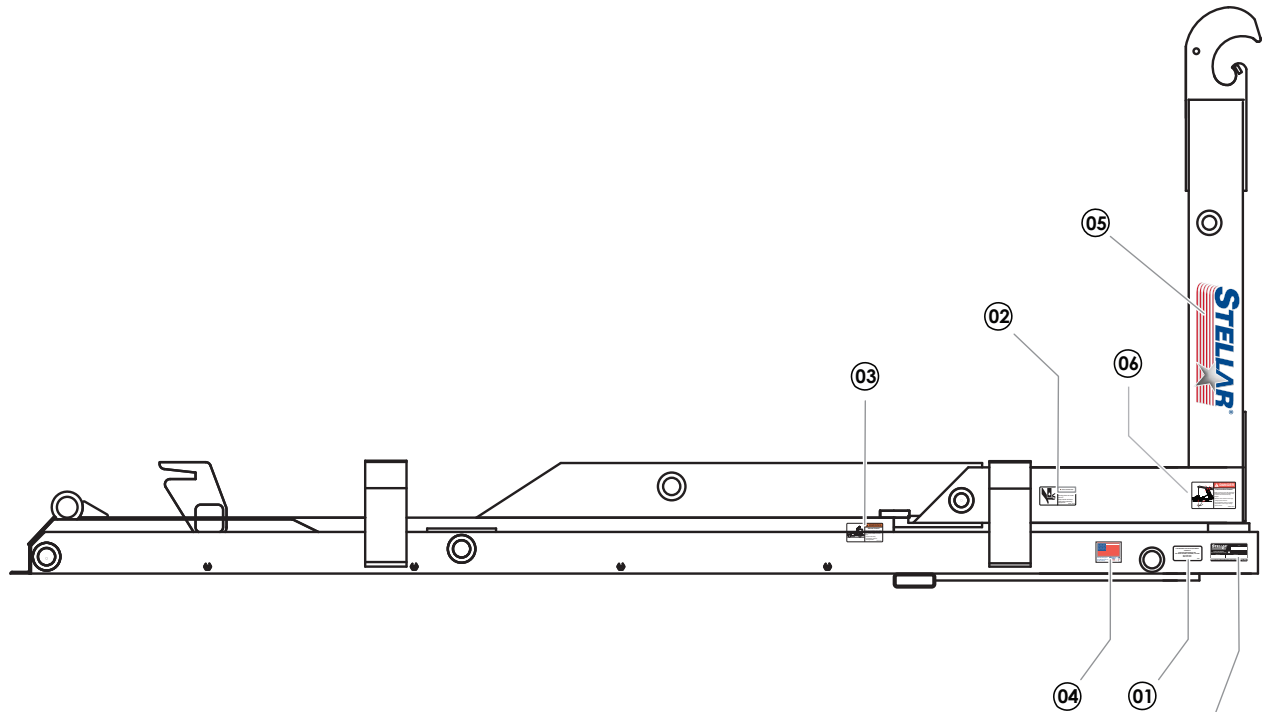
| PN 96897 | | | |
|----------|--------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 96896 | FENDER SINGLE LOW PRO PLASTIC BLACK - MIN1900 | 2 |
| 2 | 123253 | PLATE 0.75X6.00X5.38 W/HOLES | 4 |
| 3 | 80044 | U BOLT 0.38X4.00X4.00 ZP | 8 |
| 4 | 0347 | NUT 0.38-16 HHGR5 NYLOC | 16 |
| 5 | 0346 | WASHER 0.38 USS FLAT | 16 |
| 6 | 11693 | CAP SCR 0.63-11X1.75 HHGR8 | 4 |
| 7 | C5902 | WASHER 0.63 SAE FLAT YELLOW GR8 | 4 |
| 8 | 5733 | MTG KIT OFFSET POLY FENDER (FLEET) | 2 |
| 9 | 7633 | FENDER MOUNT ASM KIT | 2 |

Steel Fender Assembly - PN 89528



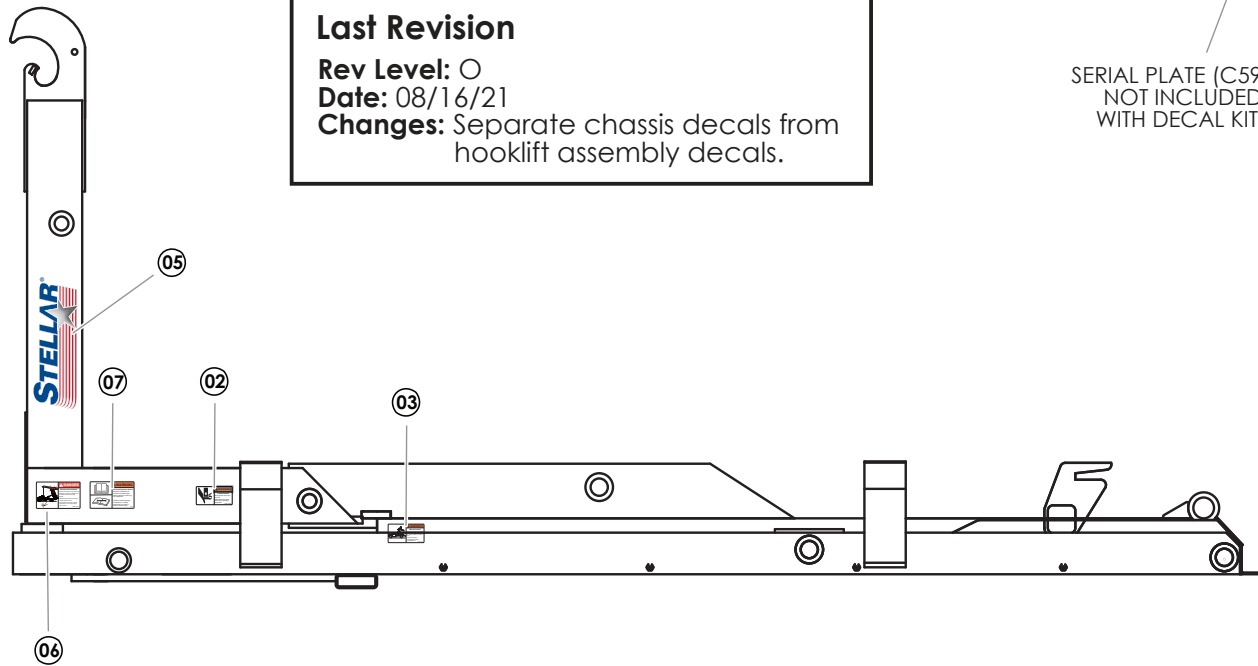
| PN 89528 | | | |
|----------|-------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 47991 | FENDER WLDMT STEEL 43.00 KPAC | 2 |
| 2 | 0537 | NUT 0.50-13 HH | 4 |
| 3 | 46590 | CAP SCR 0.50X1.50 SQ HD CP SS | 4 |
| 4 | 89527 | FENDER SUPPORT WELDMENT FOR FLEX PC BLACK | 4 |
| 5 | 80044 | U BOLT 0.38X4.00X4.00 ZP | 8 |
| 6 | 0346 | WASHER 0.38 USS FLAT | 16 |
| 7 | 0347 | NUT 0.38-16 HHGR5 NYLOC | 16 |

Step 14A: Apply Hooklift Assembly Decals



Last Revision
 Rev Level: 0
 Date: 08/16/21
 Changes: Separate chassis decals from hooklift assembly decals.

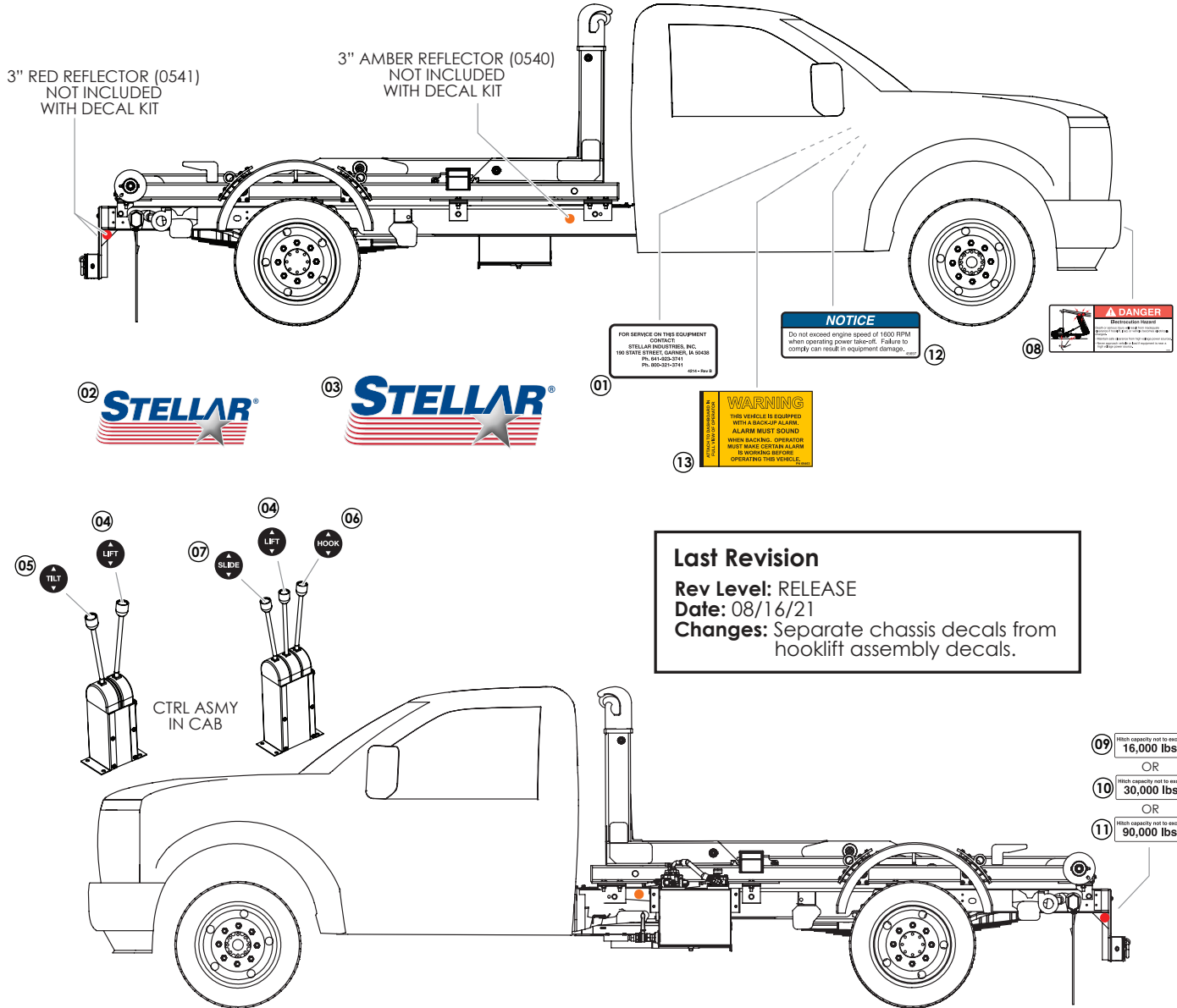
SERIAL PLATE (C5942)
 NOT INCLUDED
 WITH DECAL KIT



PN 35559

| ITEM | PART No. | DESCRIPTION | QTY. |
|------|----------|----------------------------------|------|
| 01 | 4214 | DECAL CONTACT STELLAR | 1 |
| 02 | 25627 | DECAL WARNING CRUSH | 2 |
| 03 | 26134 | DECAL WARNING MISUSE TABS | 2 |
| 04 | 35234 | DECAL STELLAR MADE IN THE USA | 1 |
| 05 | 53850 | DECAL STELLAR LOGO 4.00X11.50 | 2 |
| 06 | 55832 | DECAL DANGER ELECTROCUTION HOOK | 2 |
| 07 | 68024 | DECAL WARNING UNTRAINED OPERATOR | 1 |

Step 14B: Apply Chassis Decals



PN 121012

| ITEM | PART No. | DESCRIPTION | SUGGESTED LOCATION | QTY. |
|------|----------|-------------------------------|---|------|
| 01 | 4214 | DECAL CONTACT STELLAR | IN CAB | 1 |
| 02 | 53850 | DECAL STELLAR LOGO 4.00X11.50 | SHIPPED LOOSE - OPTIMAL PLACEMENT | 1 |
| 03 | 52681 | DECAL STELLAR LOGO 6.00X16.50 | SHIPPED LOOSE - OPTIMAL PLACEMENT | 1 |
| 04 | 39211 | DECAL HOOKLIFT LEVER LIFT | CONTROL TOWER | 2 |
| 05 | 39212 | DECAL HOOKLIFT LEVER TILT | CONTROL TOWER | 2 |
| 06 | 55414 | DECAL HOOKLIFT LEVER HOOK | CONTROL TOWER | 2 |
| 07 | 55754 | DECAL HOOKLIFT LEVER SLIDE | CONTROL TOWER | 2 |
| 08 | 79983 | DECAL DANGER ELECTROCUTION | FRONT BUMPER - STREET SIDE OR REAR BUMPER - CURB SIDE | 1 |
| 09 | 91220 | DECAL HITCH CAPACITY 16K |] SELECT APPROPRIATE CAPACITY; REAR BUMPER - ABOVE PINTLE LOCATION; DISCARD OTHERS | 1 |
| 10 | 91219 | DECAL HITCH CAPACITY 30K | | 1 |
| 11 | 68222 | DECAL HITCH CAPACITY 90K | | 1 |
| 12 | 45697 | ENGINE SPEED PTO CAUTION | IN CAB | 1 |
| 13 | 69463 | DECAL BACK-UP ALARM VERIFY | IN CAB | 1 |

Step 15: Fill Reservoir And Activate Hydraulic Flow.

- Fill reservoir to site gauge, within 3" from the top (Roughly 10 Gallons). Note: ISO 32 hydraulic oil is recommended.
- When connections are secure, activate hydraulic flow by opening the ball valve on the bottom of the reservoir. This will allow oil to flow from the reservoir to the pump.

WARNING



HYDRAULIC FLUID HAZARDS

- High pressure fluid leak will pierce skin.
- Release pressure before working on system.

STAND CLEAR OF POTENTIAL HIGH PRESSURE HYDRAULIC FLUID LEAKS

- Wear sturdy gloves and goggles. Detect leaks with wood or cardboard. NEVER use fingers.
- Fluid injected in skin will injure or kill and must be surgically removed by trained doctor immediately or gangrene will result.

BURN HAZARD

- Oil temperatures may exceed 120°F (35°C).
- Do not touch hydraulic system.
- Hot surface can burn

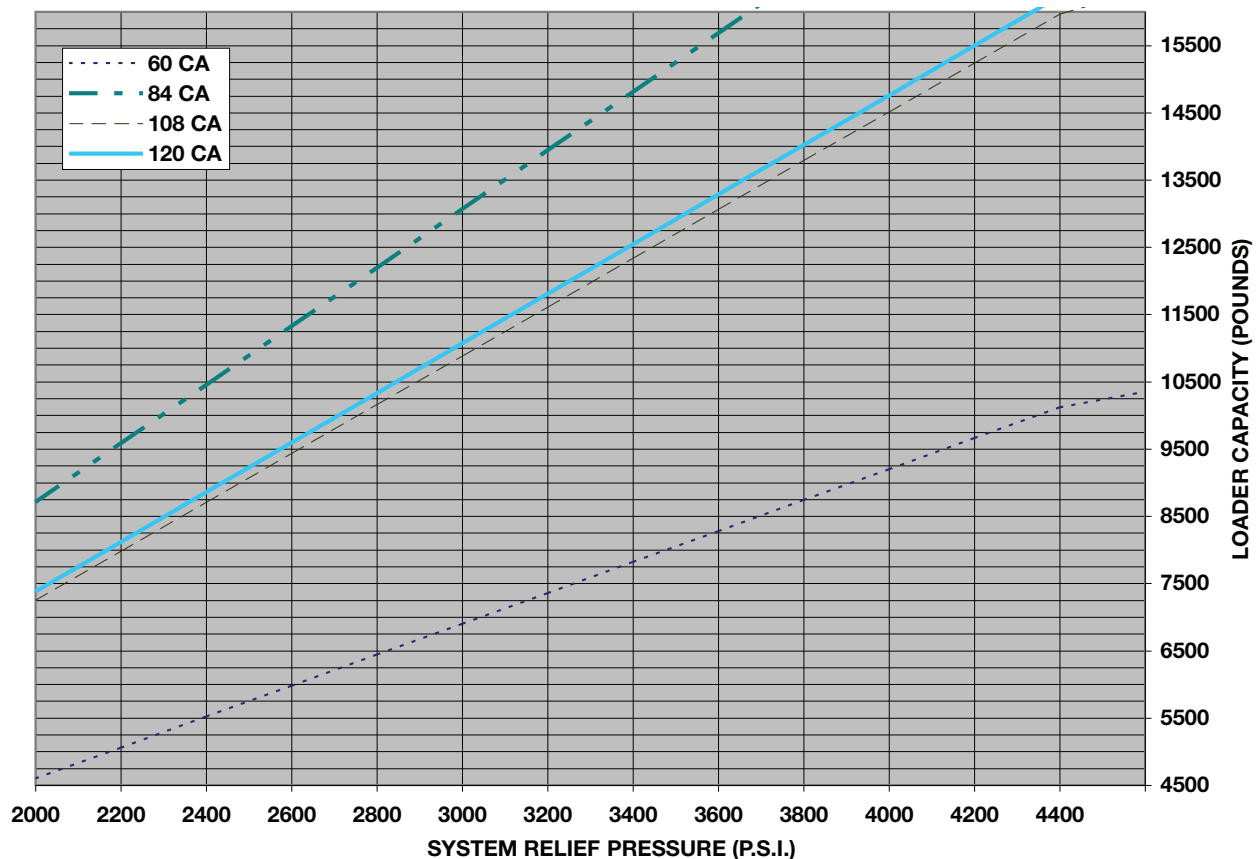
CHECK HYDRAULIC HOSES, TUBES, AND PIPES DAILY.

Step 16: Operate Hooklift.

⚠ WARNING Stellar® Hooklift operators must conform to the qualifications specified in the *Slider Hooklift Safety, Operation, Maintenance, Troubleshooting Manual*. Read and understand all manuals and safety signs before operating or servicing this equipment.

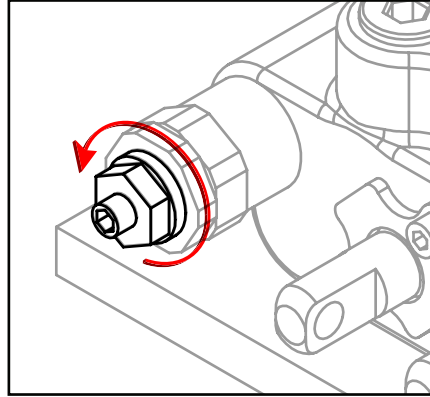
- Bleed the air out of the hydraulic system.
- Check the hydraulic oil level and add oil if needed. When checking hydraulic oil level, make certain that **all system cylinders** are fully retracted.
- Calibrate dump light system.
- Be sure to check all clearances.
- Set/check relief pressure no higher than 4200 PSI (See procedure on next page).

Pressure vs. Capacity

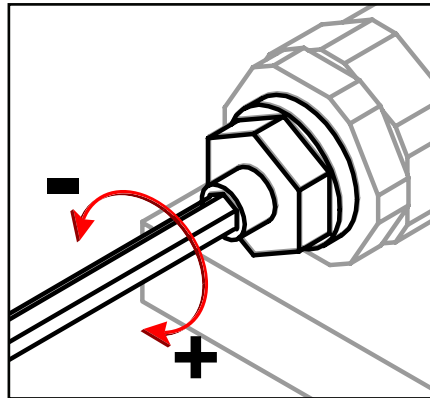


Set System Relief Pressure

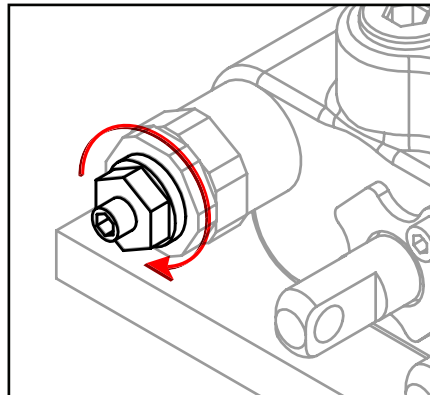
1. Engage the PTO. Run the PTO at 1200 RPM.
2. Push the lever labeled 'lift' until the boom bottoms out. Keep pushing the lever forward until the pressure is set.
3. Locate the main relief valve and release the jam nut using a 13 mm wrench:



4. Adjust the system relief pressure using 4 mm allen wrench (See chart on previous page). Clockwise increases pressure, counter clockwise decreases pressure:



5. Once system pressure is set, tighten the jam nut to lock system pressure. Permanent thread lock should not be used:



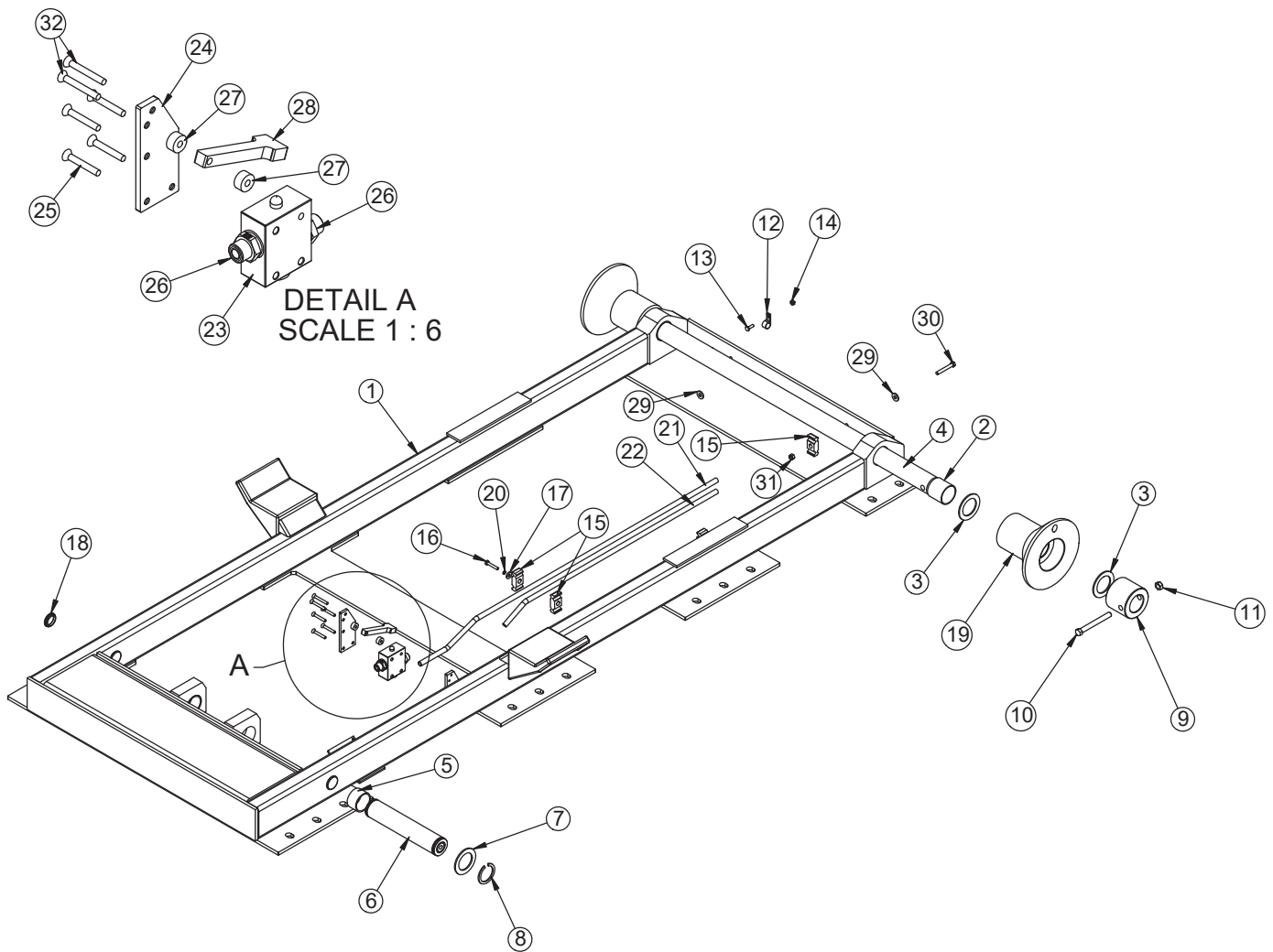
6. Release all functions and disengage the PTO. Snap tamper cap into position over the jam nut. The break away clip will be destroyed if the cap is removed.

Chapter 3 - Assembly Drawings

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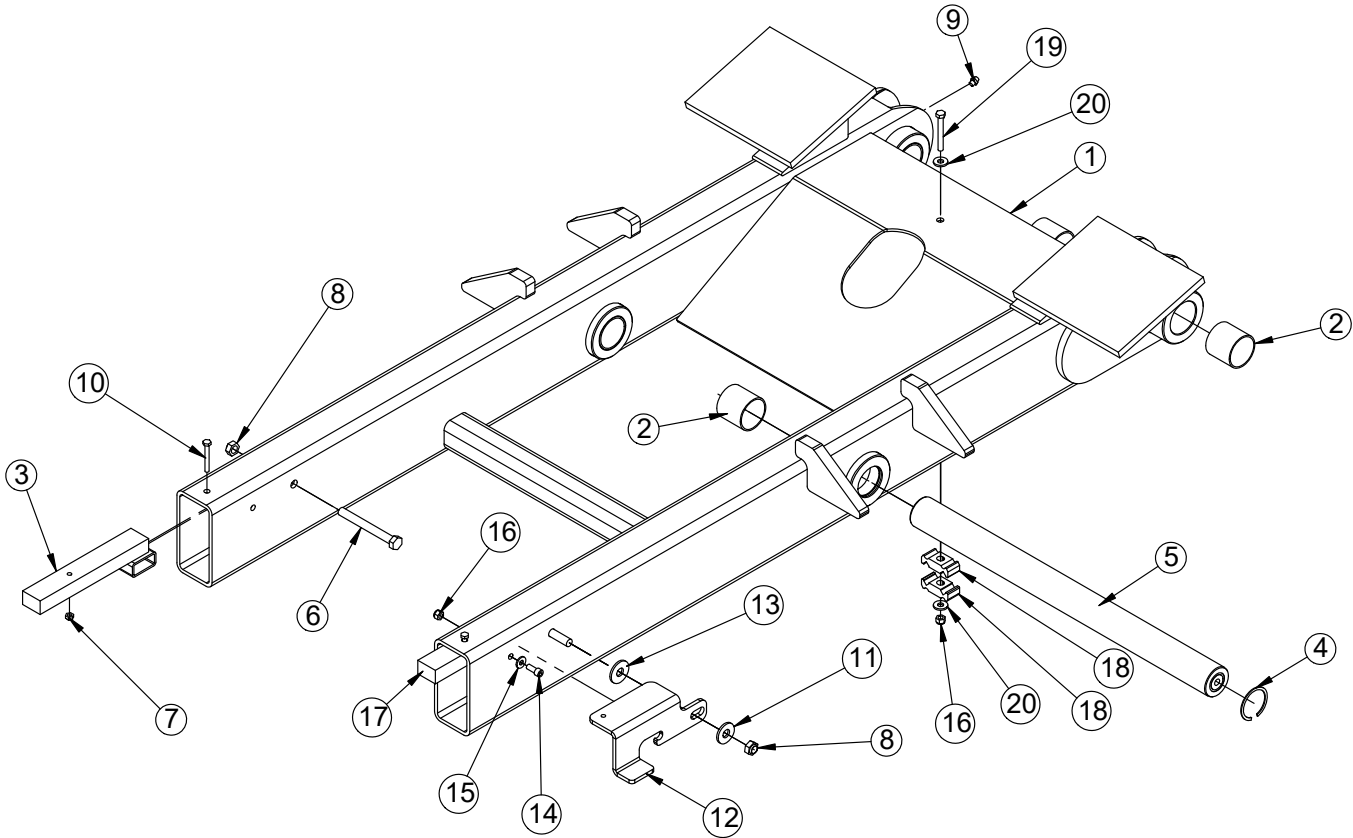
Base Assembly - PN 41828



Base Assembly - PN 41828 Parts List

| PN 41828 | | | |
|----------|---------|--|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 31815 | BASE 60-8 FLEX 36 | 1 |
| 2 | 4381 | BUSHING 32DXR32 2.00X2.00 GARLOCK | 2 |
| 3 | 1546 | THRUST WASHER 2.01DIA UHMW .12THK | 4 |
| 4 | 41774CR | PIN 2.00X49.88 ZC | 1 |
| 5 | 23699 | BUSHING 32DXR20 2.00X1.25 | 2 |
| 6 | 33741CR | PIN 2.00X10.19 SR ZC | 1 |
| 7 | 0427 | MACHY WASHER 2.00ID 10GA | 2 |
| 8 | 0108 | SNAP RING 2.00 7200-200 | 2 |
| 9 | 0015 | COLLAR 2.03X3.50X2.88 PC BLACK | 2 |
| 10 | 0507 | CAP SCR 0.50-13X4.50 HHGR5 | 2 |
| 11 | C6106 | NUT 0.50-13 HHGR5 NYLOC | 2 |
| 12 | C0078 | CLAMP 0.38 BLK VINYL | 1 |
| 13 | 0479 | CAP SCR 0.25-20X0.75 HHGR5 | 1 |
| 14 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 1 |
| 15 | 8622 | CLAMP HOSE/TUBE AG-2 | 5 |
| 16 | 0220 | CAP SCR 0.25-20 X 1.50 HHGR5 | 2 |
| 17 | 0340 | WASHER 0.25 FLAT | 2 |
| 18 | 19112 | PLUG PLASTIC CCF1.50-10-14 | 4 |
| 19 | 41776 | ROLLER 2.00X4.00X3.81X8.00 PWDRCT YEL | 2 |
| 20 | 0521 | WASHER 0.25 LOCK | 2 |
| 21 | 72347 | TUBE ASM 0.50 60-8 FLEX TILT RETRACT ZC | 1 |
| 22 | 72348 | TUBE ASM 0.50 60-8 FLEX TILT EXTEND ZC | 1 |
| 23 | 53853 | VALVE PLUNGER VILLA HYD NORMALLY CLOSED | 1 |
| 24 | 77784 | PLATE MNT BRKT STOP SYSTEM CS HOLES | 1 |
| 25 | 77785 | CAP SCR 0.25-20X1.75 FHSH | 4 |
| 26 | 57735 | FTG 8-8 MBSPP-MFS STRAIGHT | 2 |
| 27 | 70294 | COLLAR 0.28X0.75X0.38 UHMW | 2 |
| 28 | 70293 | LEVER PLUNGER VALVE FINGER | 1 |
| 29 | 0343 | WASHER 0.31 USS FLAT | 2 |
| 30 | C0927 | CAP SCR 0.31-18X2.25 HHGR5 | 1 |
| 31 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 1 |
| 32 | 90740 | CAP SCR 0.25-20X2.00 FHSH ZNCTS W/ RED PATCH | 2 |
| REV. C | | | |

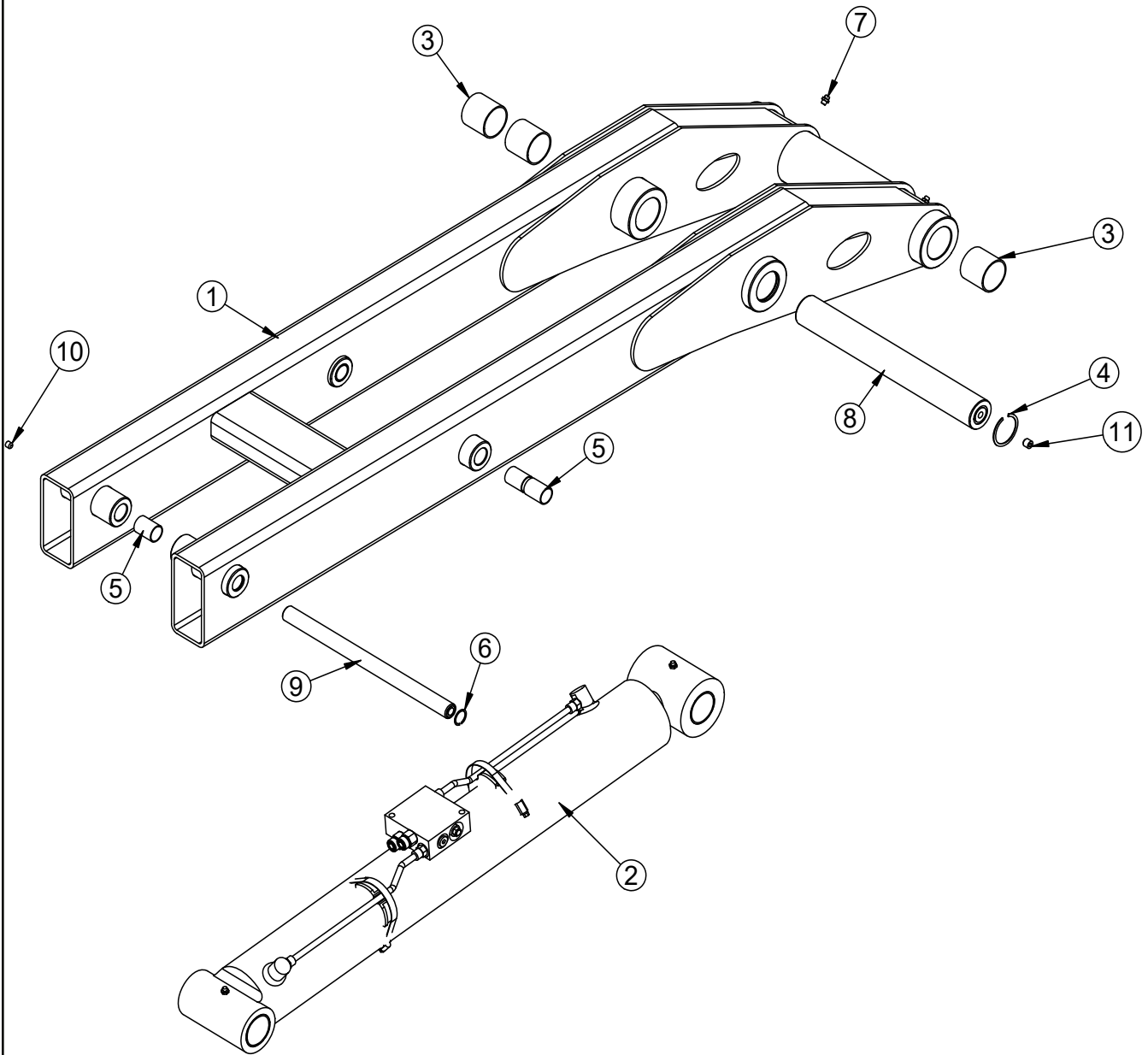
Dump Assembly - PN 31824



Dump Assembly - PN 31824 Parts List

| PN 31824 | | | |
|----------|---------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 31822 | DUMP 60-8 FLEX 36 | 1 |
| 2 | 4381 | BUSHING 32DXR32 2.00X2.00 GARLOCK | 6 |
| 3 | 23301 | TAB LOADER BREAK AWAY STRAIGHT PC BLACK | 1 |
| 4 | 2257 | SNAP RING INSIDE 2.00 | 2 |
| 5 | 22227CR | PIN 2.00X25.25 ZC | 1 |
| 6 | 0507 | CAP SCR 0.50-13X4.50 HHGR5 | 2 |
| 7 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 2 |
| 8 | C6106 | NUT 0.50-13 HHGR5 NYLOC | 2 |
| 9 | C1592 | ZERK 1/8 NPT STRAIGHT | 2 |
| 10 | 0481 | CAP SCR 0.25-20X2.00 HHGR5 | 2 |
| 11 | 0352 | WASHER 0.50 USS FLAT | 1 |
| 12 | 65135 | LEVER PLUNGER VALVE FORMED | 1 |
| 13 | C4516 | WASHER 0.56IDX1.50ODX0.13 THK NYLON | 1 |
| 14 | 38263 | CAP SCR 0.31-18X0.75 SH | 1 |
| 15 | 0340 | WASHER 0.25 USS FLAT | 1 |
| 16 | 0342 | NUT 0.31-18 HHGR5 NYLOC | 2 |
| 17 | 33062 | TAB LOADER WLDMT BREAK AWAY | 1 |
| 18 | 8622 | CLAMP HOSE/TUBE AG-2 | 2 |
| 19 | 0489 | CAP SCR 0.31-18X2.50 HHGR5 | 1 |
| 20 | 0343 | WASHER 0.31 USS FLAT | 2 |
| REV. E | | | |

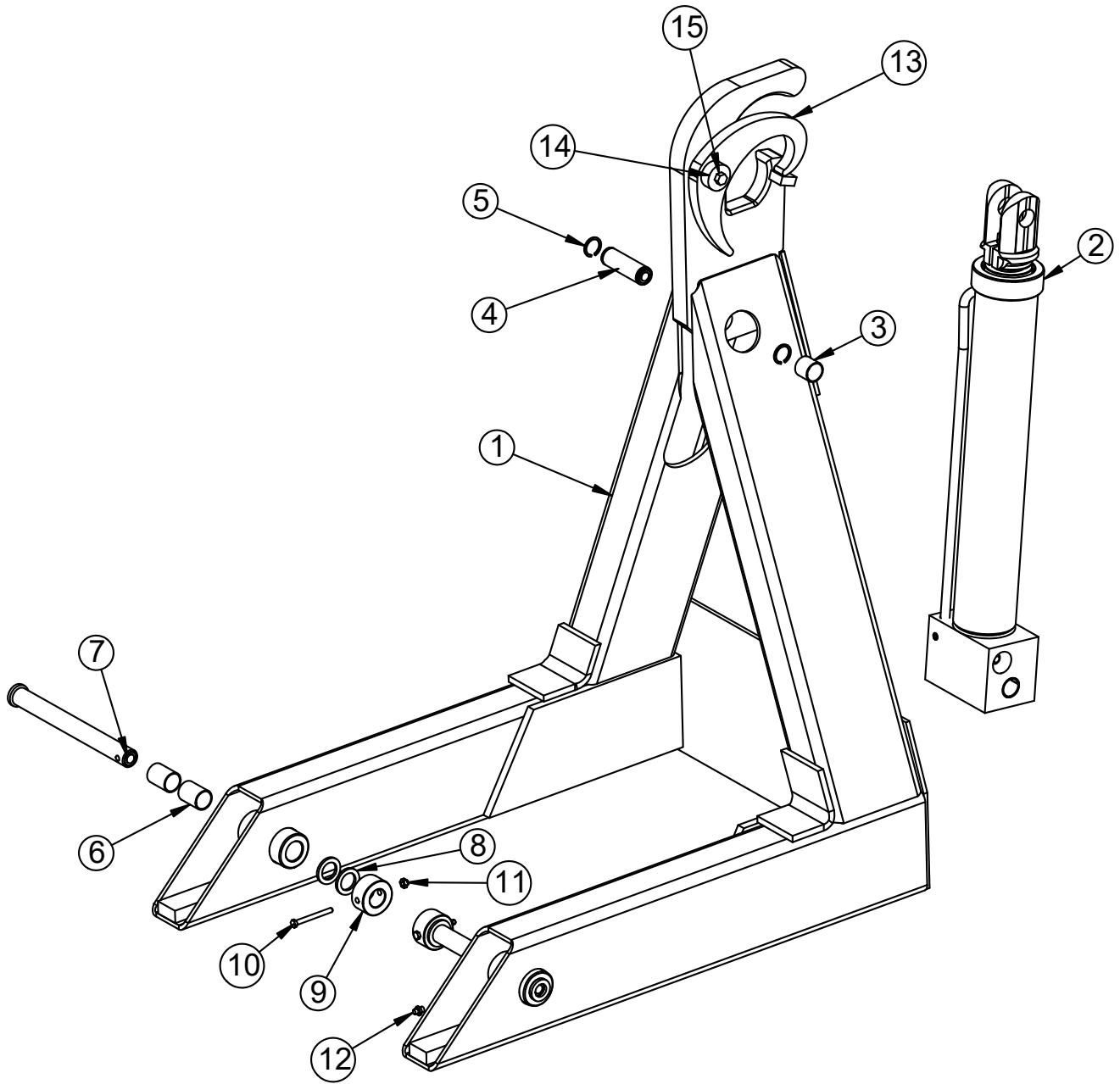
Secondary Assembly - PN 33047



Secondary Assembly - PN 33047 Parts List

| PN 33047 | | | |
|----------|---------|-------------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 33048 | SECONDARY 60-8 FLEX 36 | 1 |
| 2 | 42212 | CYLINDER ASM 27020 4.00X29.63 | 1 |
| 3 | 4381 | BUSHING 32DXR32 2.00X2.00 GARLOCK | 6 |
| 4 | 2257 | SNAP RING INSIDE 2.00 | 2 |
| 5 | 0068 | BUSHING QSI-1618-24 | 6 |
| 6 | 3875 | SNAP RING 1.00 INTERNAL | 2 |
| 7 | C1592 | ZERK 1/8 NPT STRAIGHT | 2 |
| 8 | 22286CR | PIN 2.00X16.00 ZC | 1 |
| 9 | 22285CR | PIN 1.00X15.00 ZC | 1 |
| 10 | C3397 | SET SCREW 0.38-16X0.38 W/ RED PATCH | 1 |
| 11 | 58052 | SET SCREW 0.50-13X0.50 W/ RED PATCH | 1 |
| REV. D | | | |

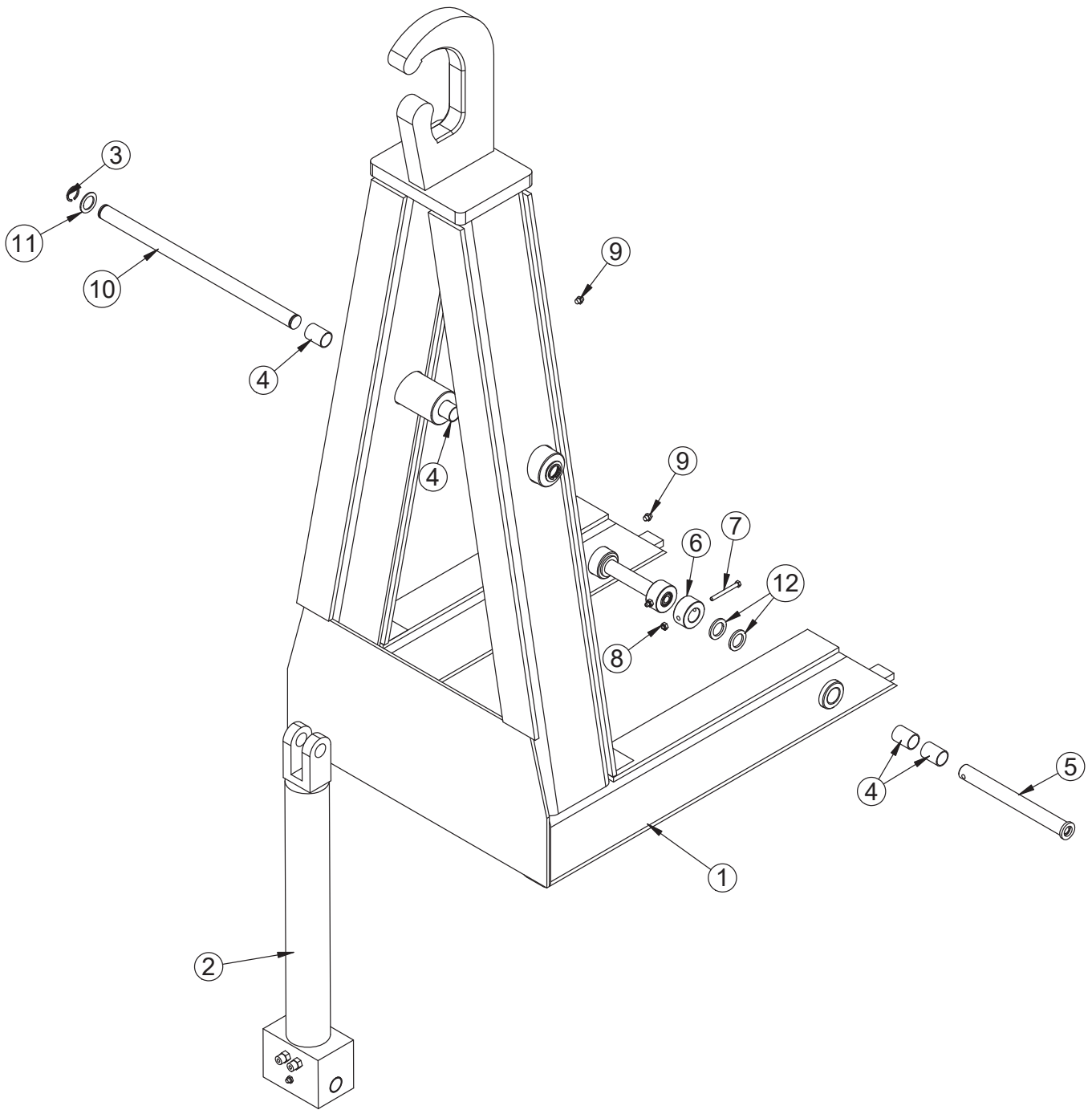
Tilt Assembly - PN 125017



Tilt Assembly - PN 125017

| PN 125017 | | | |
|----------------------|---------|--------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 125018 | TILT 120-14 FLEX 36 NARROW TOP | 1 |
| 2 | 23460 | CYLINDER ASM 3.00X17.00 | 1 |
| 3 | 0069 | BUSHING QSI-1618-16 | 1 |
| 4 | 4912CR | PIN 1.00X3.25 SR ZC | 1 |
| 5 | 0110 | SNAP RING 1.00 ID 7200-100 | 2 |
| 6 | 0068 | BUSHING QSI-1618-24 | 4 |
| 7 | 33103CR | PIN WLDMT 1.00X9.81 ZC | 2 |
| 8 | 0424 | MACHY WASHER 1.00ID 10GA | 4 |
| 9 | 33104 | COLLAR 1.03X2.00X1.00 PC BLACK | 2 |
| 10 | 0339 | CAP SCR 0.25-20X2.50 HHGR5 | 2 |
| 11 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 2 |
| 12 | c1592 | ZERK 1/8 NPT STRAIGHT | 2 |
| 13 | 73542 | LATCH SLIDER20S CS PC BLACK | 1 |
| 14 | 14672 | PIN CAP 0.44X1.50X0.63 | 1 |
| 15 | 9714 | CAP SCR 0.38-16X1.00 SS | 1 |
| REV. INITIAL RELEASE | | | |

Optional Tall Tilt Assembly - PN 35032



Optional Tall Tilt Assembly - PN 35032 Parts List

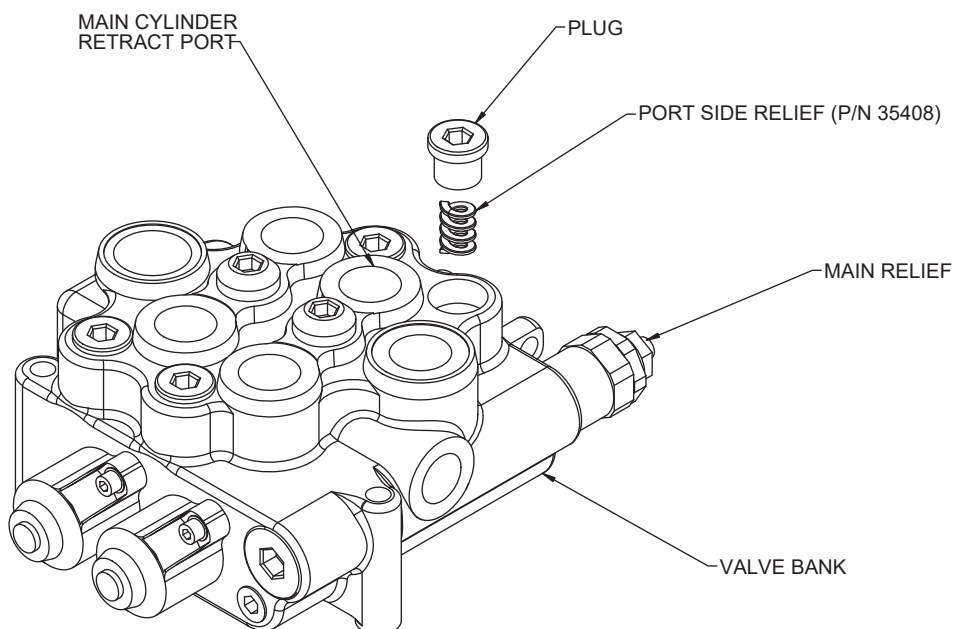
| PN 35032 | | | |
|----------|--------|------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 35033 | TILT FLEX 36 54HH | 1 |
| 2 | 35169 | CYLINDER ASM 3.00X10.00 | 1 |
| 3 | 0110 | SNAP RING 1.00 ID 7200-100 | 2 |
| 4 | 0068 | BUSHING QSI-1618-24 | 8 |
| 5 | 3103CR | PIN WLDMT 1.00X9.81 ZC | 2 |
| 6 | 33104 | COLLAR 1.03X2.00X1.00 PC BLA | 2 |
| 7 | 0339 | CAP SCR 0.25-20X2.50 HHGR5 | 2 |
| 8 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 2 |
| 9 | C1592 | ZERK 1/8 NPT STRAIGHT | 4 |
| 10 | 35066 | PIN 1.00X18.38 SR SS | 1 |
| 11 | 0867 | MACHY WASHER 1.00ID 14GA | 2 |
| 12 | 0424 | MACHY WASHER 1.00ID 10GA | 4 |
| REV. B | | | |

| ITEMS NOT SHOWN | | |
|-----------------|---------------------------|-----|
| PART | DESCRIPTION | QTY |
| 35408 | PORT RELIEF VDM8 2715 PSI | 1 |

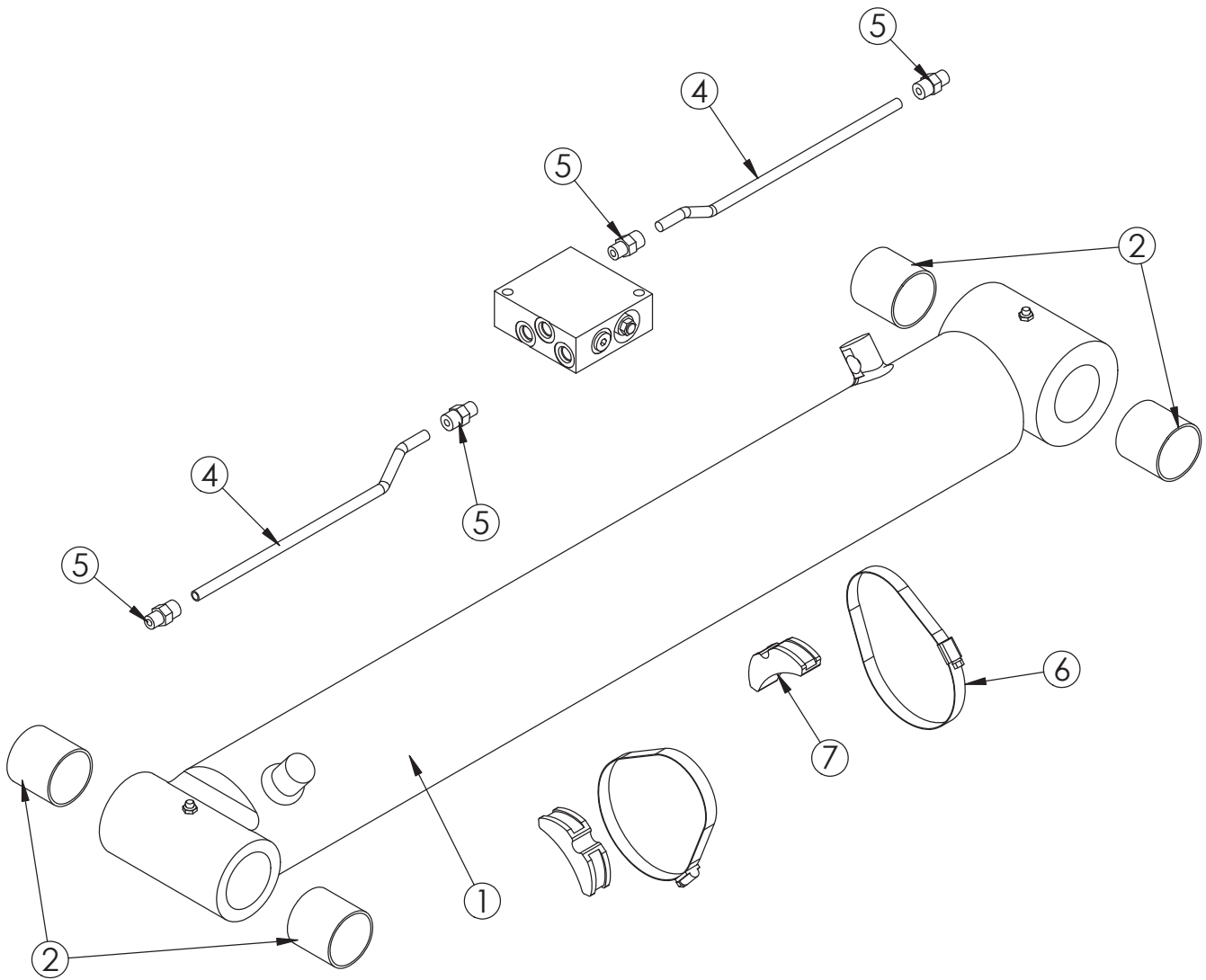
NOTES:

THIS TILT REQUIRES A PORT SIDE RELIEF (P/N 35408) INSTALLED IN THE VALVE BANK ON THE RETRACT SIDE OF THE MAIN CYLINDER. PLEASE REFER TO THE PORT SIDE RELIEF DRAWING FOR INSTALLATION INSTRUCTION.

Port Side Relief Drawing



Main Cylinder Assembly - PN 27116



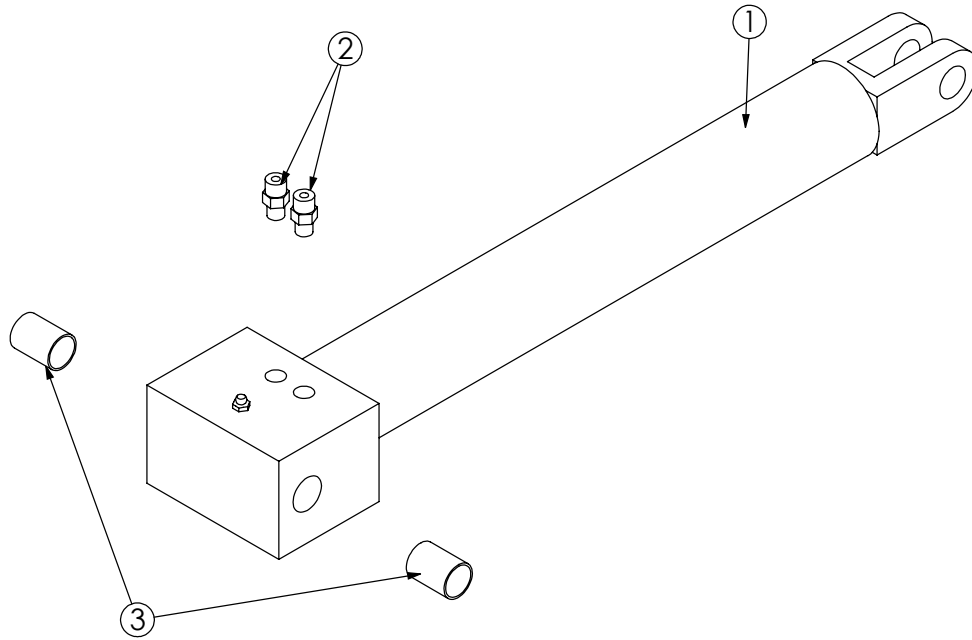
Main Cylinder Assembly - PN 27116 Parts List

| PN 27116 | | | |
|----------|-------|-----------------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 27020 | CYLINDER 4.00X29.63 | 1 |
| 2 | 4381 | BUSHING 32DXR32 2.00X2.00 GARLOCK | 4 |
| 3 | 15822 | MANIFOLD DOUBLE T11A 5000 PSI | 1 |
| 4 | 27117 | TUBE ASM 0.38X11.94 YZ | 2 |
| 5 | 0279 | FTG 6-6 MFS-MORB STRAIGHT | 4 |
| 6 | 19369 | HOSE CLAMP 4.13-7.00 5416K38 | 2 |
| 7 | 18701 | CLAMP PORT TUBE ZR518 | 2 |
| REV. B | | | |

NOTE::

THIS MAIN CYLINDER USES STELLAR® SEAL KIT PN: 32565

Tilt Cylinder - PN 35169



PN 35169

| ITEM | PART | DESCRIPTION | QTY |
|------|-------|---------------------------|-----|
| 1 | 35170 | CYLINDER 3.00X10.00 | 1 |
| 2 | 0279 | FTG 6-6 MFS-MORB STRAIGHT | 2 |
| 3 | 0068 | BUSHING QSI-1618-24 | 2 |

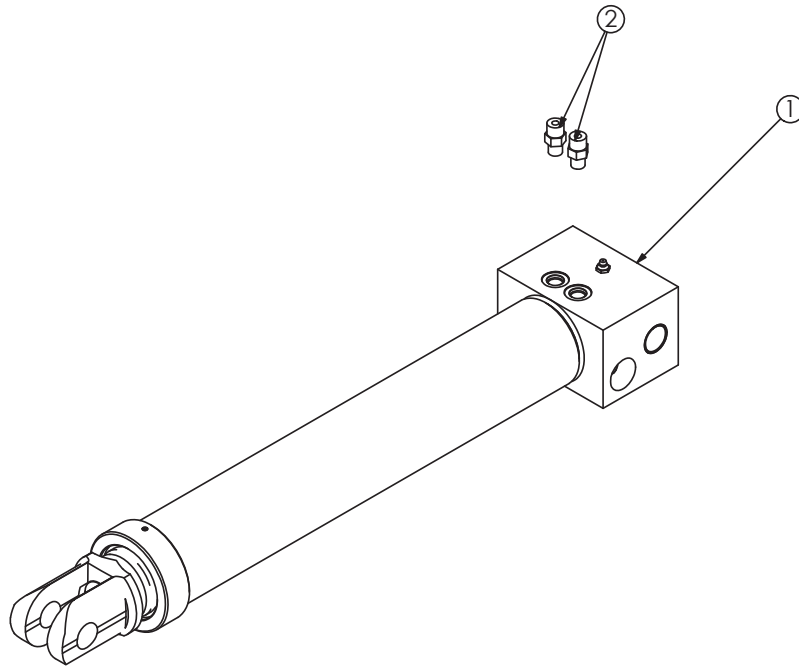
NOTES:

SEAL KIT PN: C6301 - BOBALEE.

SEAL KIT PN: 122704.

BUSHINGS SHOWN AS REFERENCE

Tilt Cylinder - PN 23460



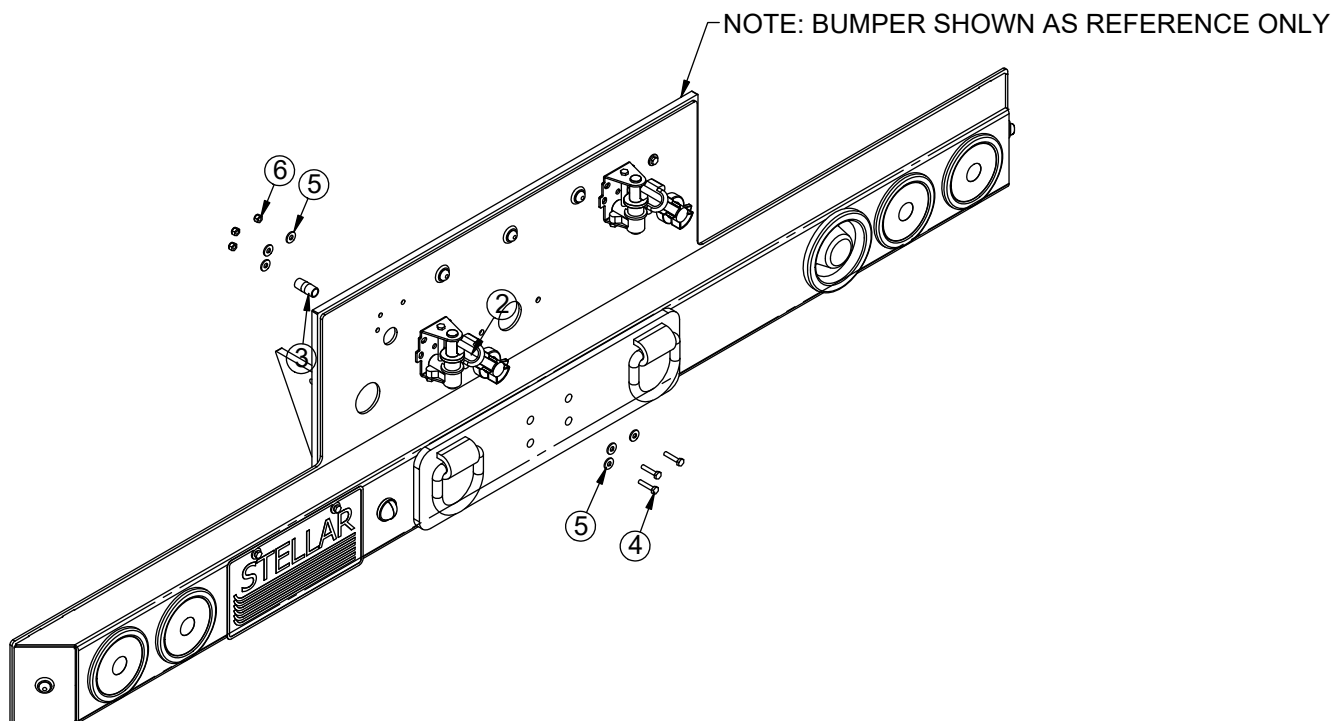
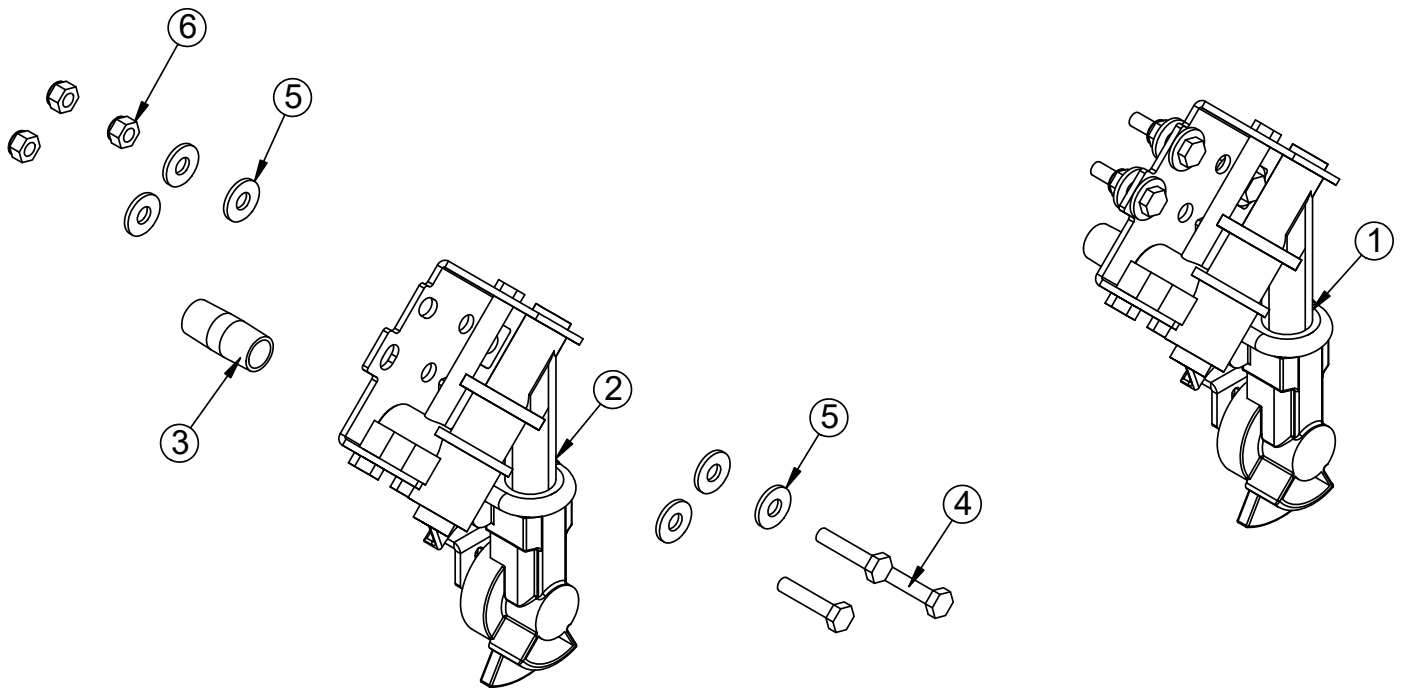
| PN 23460 | | | |
|----------|------|---------------------------|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 3767 | 13767CYLINDER 3.00X17.00 | 1 |
| 2 | 0279 | FTG 6-6 MFS-MORB STRAIGHT | 2 |

NOTES:

SEAL KIT PN: C6301 - BOBALEE.

SEAL KIT PN: 122704.

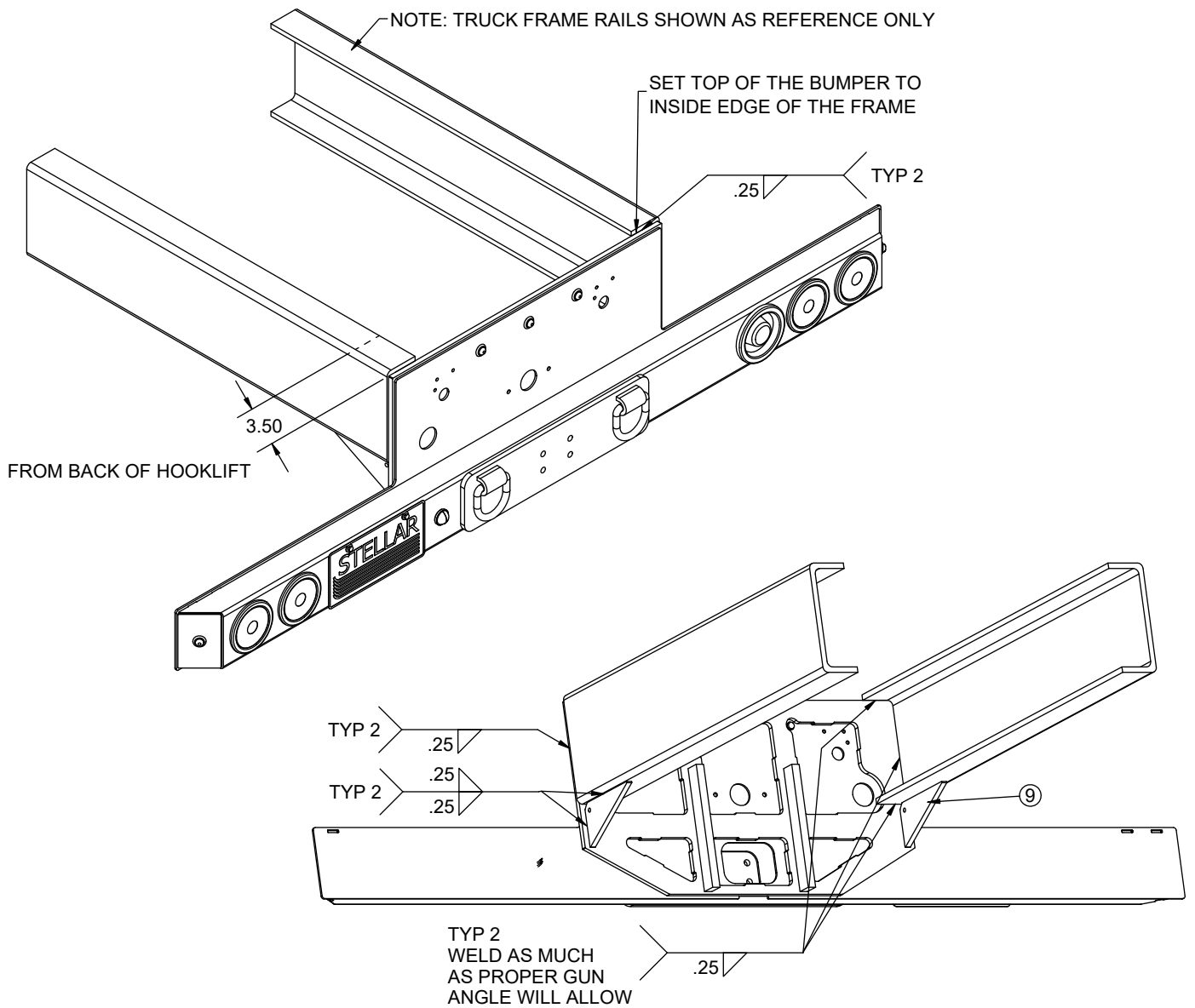
Optional Gladhand Assembly - PN 81908



Optional Gladhand Assembly - PN 81908 Parts List

| PN 81908 | | | |
|----------|-------|---|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 75646 | GLAD HANDS EMER SERV(RED) 441105 | 1 |
| 2 | 75647 | GLAD HANDS AIR SERV(BLUE) 45DEG 441106 | 1 |
| 3 | 21661 | FTG 6-6XCLOSE MP-MP NIPPLE STRAIGHT BRASS | 2 |
| 4 | 0437 | CAP SCR 0.25-20X1.25 HHGR5 | 6 |
| 5 | 0340 | WASHER 0.25 USS FLAT | 12 |
| 6 | 0333 | NUT 0.25-20 HHGR5 NYLOC | 6 |

Bumper Assembly - PN 81300



NOTES:

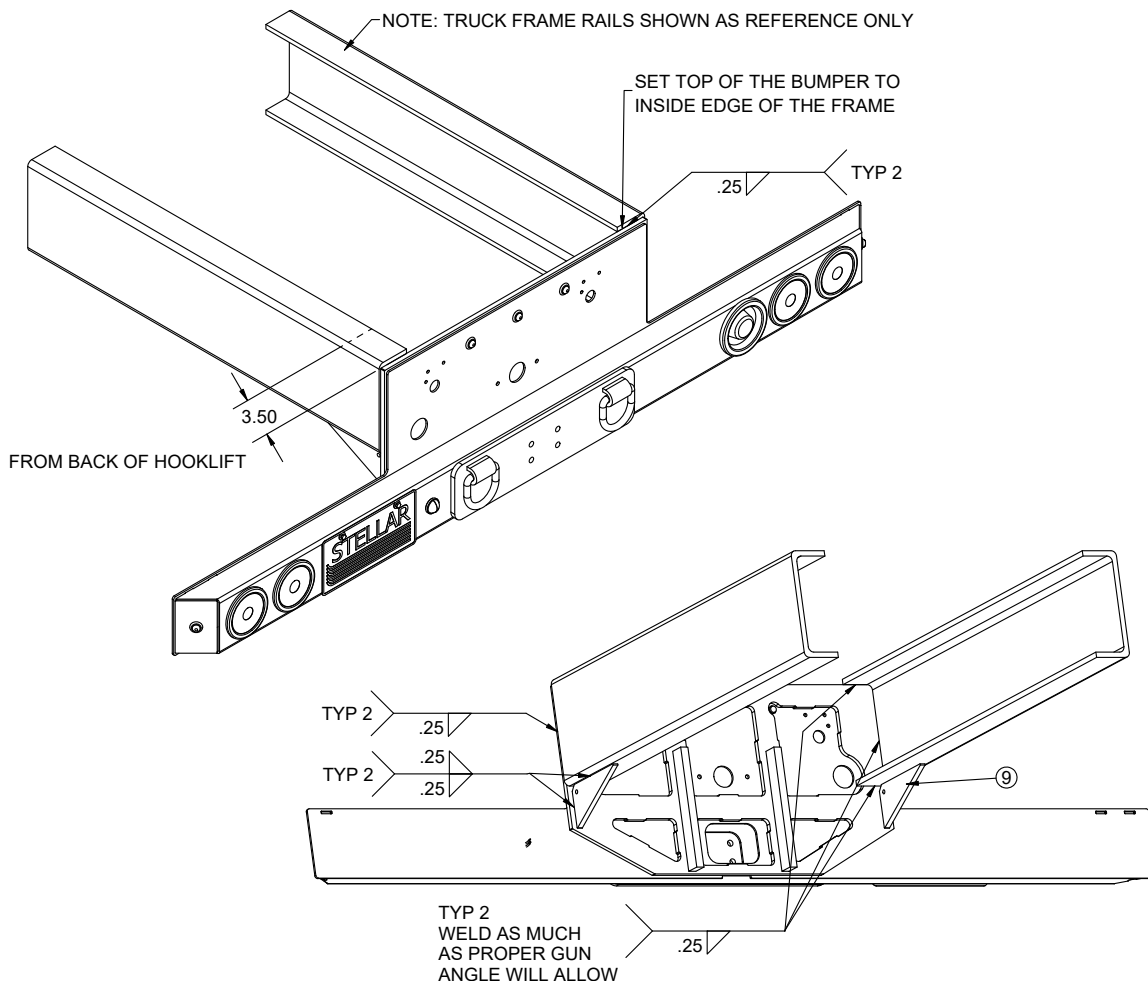
P/N 123761, LIGHT & INSTALL KIT BUMPER ASM 16K, INCLUDES ALL ITEMS EXCEPT BUMPER WELDMENT.

Bumper Assembly - PN 81300 Parts List

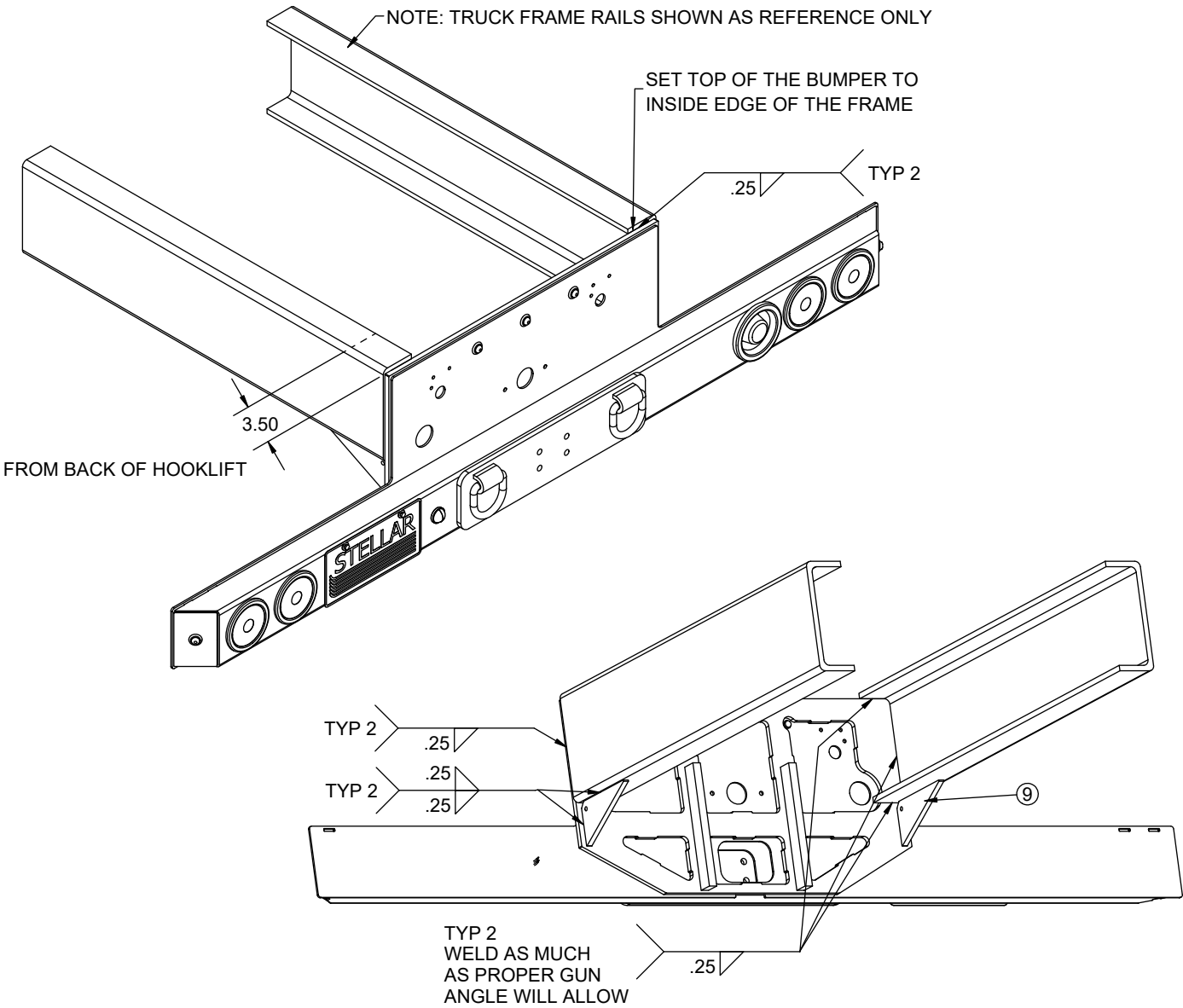
| PN 81300 | | | |
|----------|--------|--|-----|
| ITEM | PART | DESCRIPTION | QTY |
| 1 | 18742 | BACKUP ALARM ACORN 97 DECIBAL | 1 |
| 2 | 2320 | LICENSE PLATE LIGHT ROUND 430 W | 1 |
| 3 | 80563 | BUMPER WLDMT FOR 16K PINTLE FLEX | 1 |
| 4 | 0479 | CAP SCR 0.25-20X0.75 HHGR5 | 2 |
| 5 | 0521 | WASHER 0.25 LOCK | 2 |
| 6 | 0340 | WASHER 0.25 USS FLAT | 2 |
| 7 | 82431 | LIGHT STOP/TURN/TAIL/REV 4 RND GROTE LED | 4 |
| 8 | 82430 | GROMMET 4.00 ROUND LAMP (GROTE) | 4 |
| 9 | 112272 | GUSSET 0.50X4.00X4.00 W/HOLE | 2 |

| ITEMS NOT SHOWN | | |
|-----------------|--------------------------------------|-----|
| PART | DESCRIPTION | QTY |
| 82429 | WIRE HARNESS FMV108 HOOK LOADER GEN2 | 1 |
| 85371 | WIRE HARNESS FMVSS108 CHASSIS GEN2 | 1 |
| 0540 | REFLECTOR 3.00 AMBER | 2 |
| 0541 | REFLECTOR 3.00 RED | 2 |

81300-1 Installation



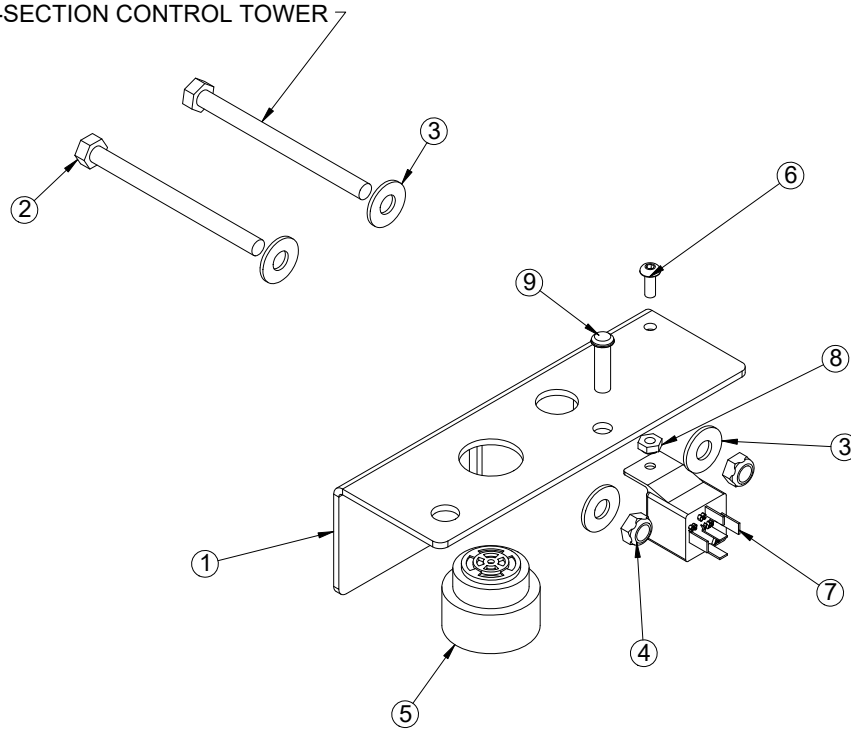
81300-2 Installation



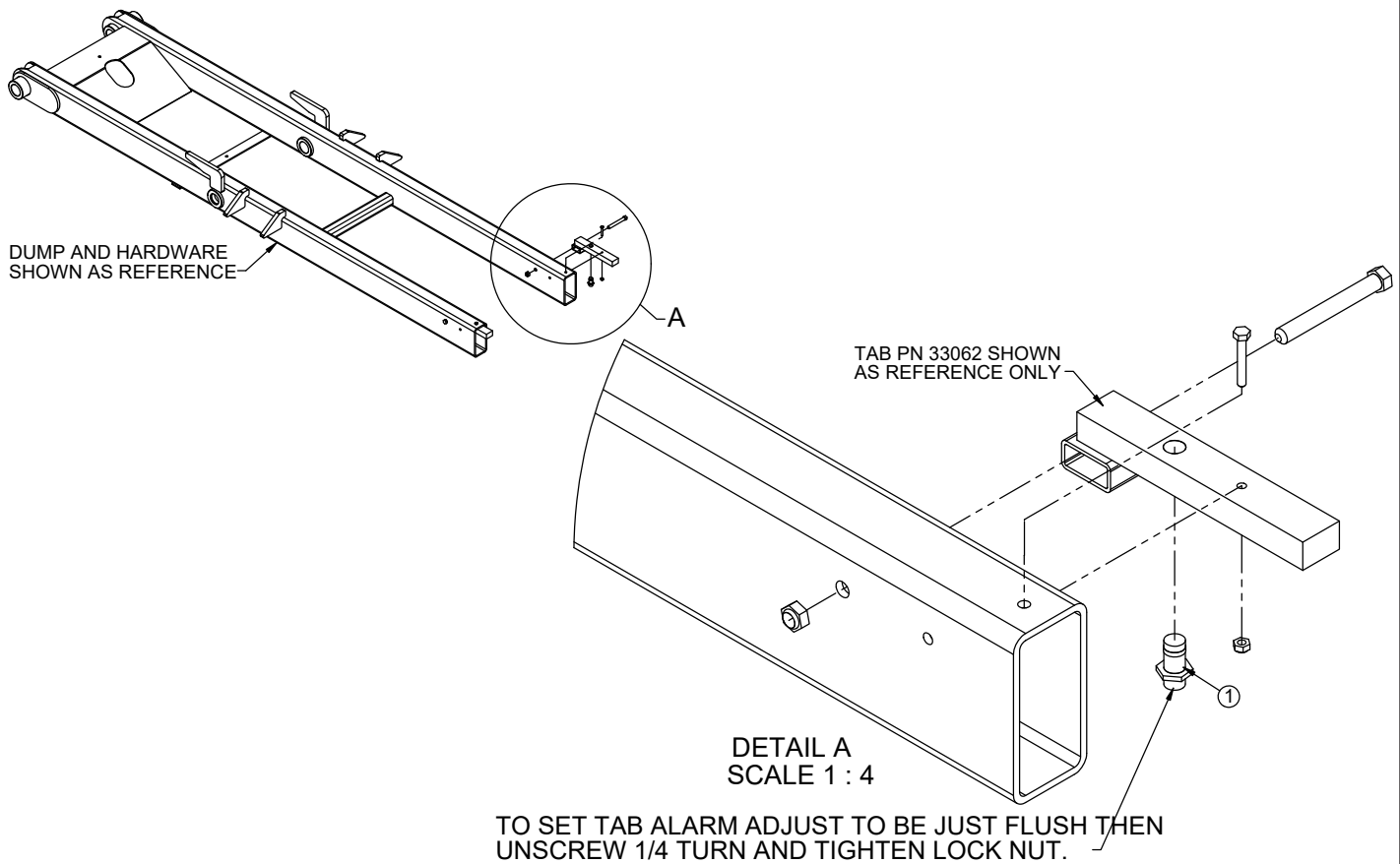
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Optional Tab Alarm Kit - PN 43120

NOTE: USE PN 20057 WITH
3-SECTION CONTROL TOWER



Optional Tab Alarm Kit - 43120-1



Optional Tab Alarm Kit - PN 43120 Parts List

PN 43120

| ITEM | PART | DESCRIPTION | QTY |
|------|-------|----------------------------------|-----|
| 1 | 26293 | PLATE TAB ALARM MNT | 1 |
| 2 | 0491 | CAP SCR 0.31-18X4.00 HHGR5 | 2 |
| 3 | 0343 | WASHER 0.31 USS FLAT ZINC | 4 |
| 4 | 0342 | NUT 0.31-18 HH NYLOC | 2 |
| 5 | 26031 | BACKUP ALARM PIEZO JAMECO 123537 | 1 |
| 6 | D1711 | CAP SCR #10-24X0.50 BTNHD SS | 1 |
| 7 | C6072 | RELAY BOSCH 20-30 AMP | 1 |
| 8 | 26034 | NUT #10-24 HH NYLOC | 1 |
| 9 | 61233 | LIGHT LED CONTROL PANEL RED | 1 |

REV. C

ITEMS NOT SHOWN

| ITEM | PART | DESCRIPTION | QTY |
|------|-------|----------------------------|-----|
| 1 | 97097 | INSTRUCTIONS TAB ALARM KIT | 1 |

NOTES:

WHEN USED WITH AIR CONTROL TOWERS BRACKET (PN 26293) IS NOT USED B/C COMPONENTS ARE TO BE INSTALLED IN TOWER ASSEMBLY.

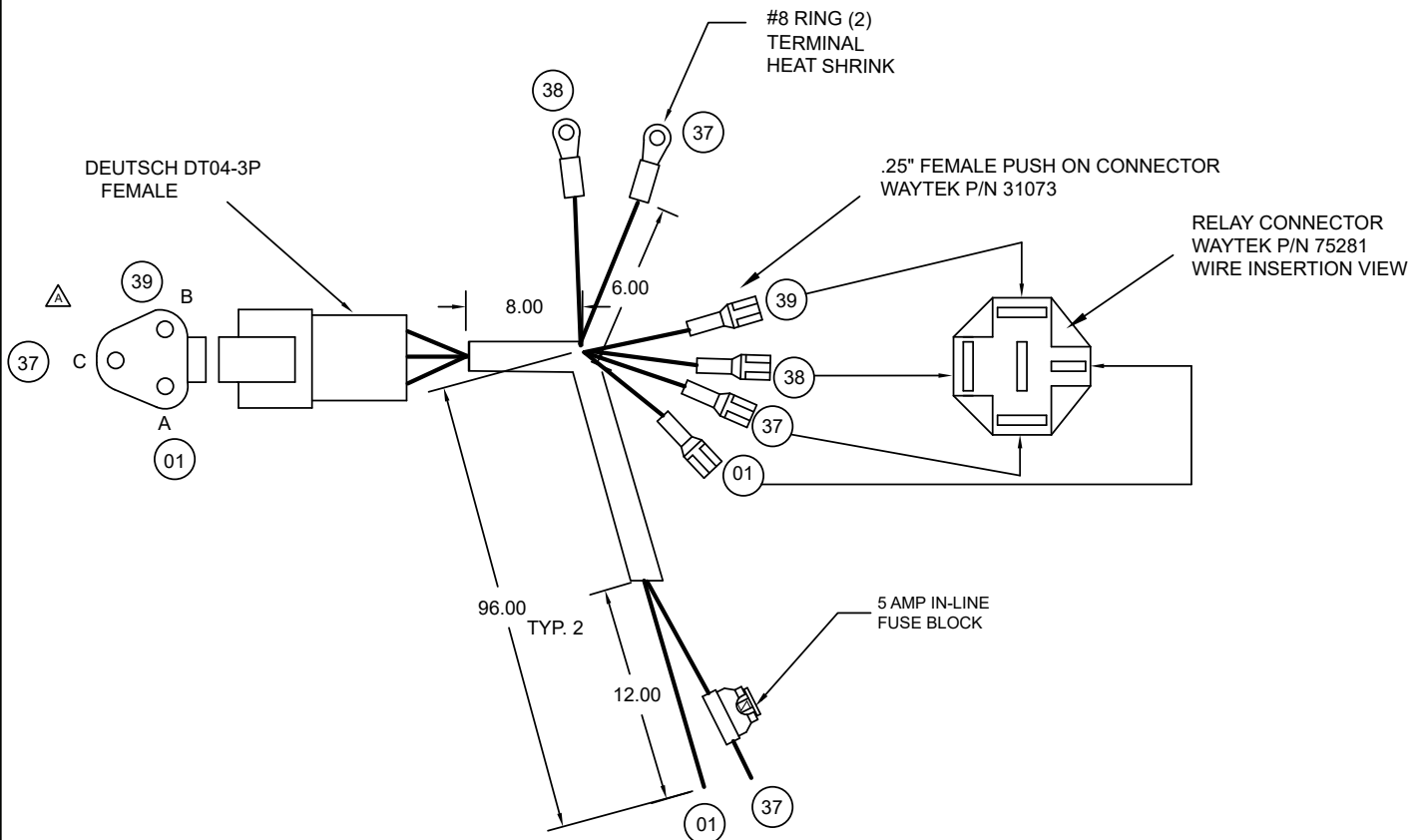
43120-1

| ITEM | PART | DESCRIPTION | QTY |
|------|-------|----------------------------|-----|
| 1 | 97097 | INSTRUCTIONS TAB ALARM KIT | 1 |

NOTES:

WIRE HARNESS PN 26416, RUNS FROM THE PROX SWITCH THROUGH THE BACK OF THE DUMP TUBE AND OUT. FROM THERE THE HARNESS RUNS TO THE FRONT OF THE TRUCK ATTACHING TO THE BASE, OR IN BETWEEN THE TRUCK FRAME RAILS TO BE CONNECTED TO WIRE HARNESS PN 26291.

Optional Tab Alarm Wire Harness - PN 26291

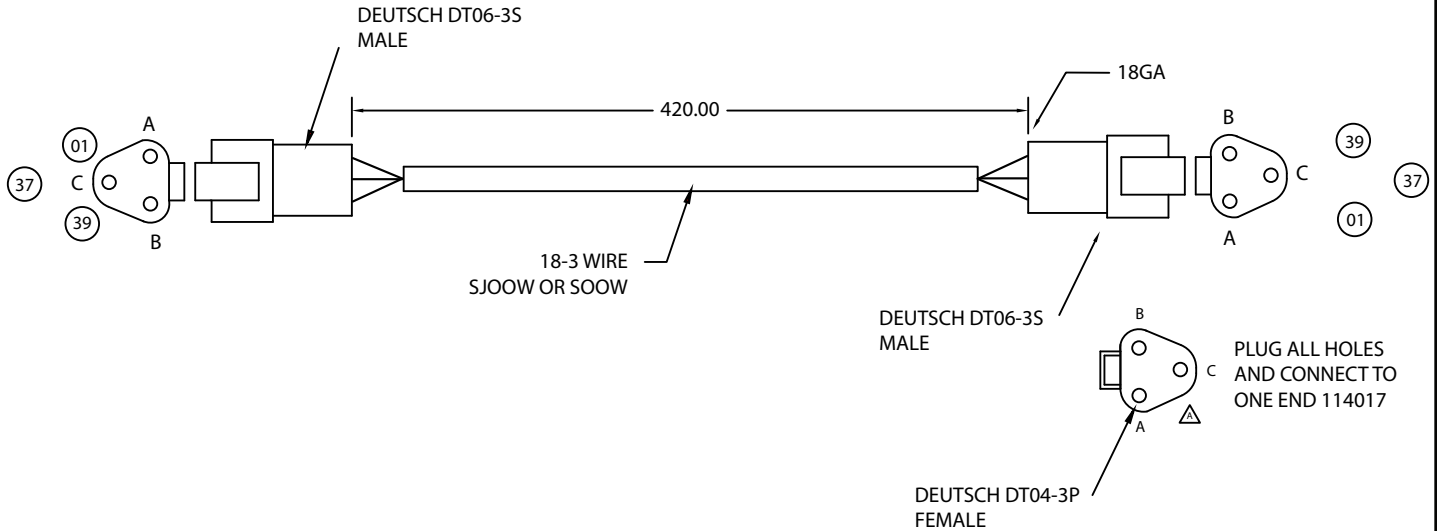


| CIRCUIT # | CIRCUIT | WIRE GA | WIRE COLOR |
|-----------|---------------|---------|-----------------------|
| 01 | GROUND | 16 GA | BLACK WITH WHITE TEXT |
| 37 | IGNITION | 16 GA | GREEN WITH WHITE TEXT |
| 38 | SAFETY GROUND | 16 GA | GREEN WITH WHITE TEXT |
| 39 | SAFETY SWITCH | 16 GA | GREEN WITH WHITE TEXT |

NOTES:

1. ALL MEASUREMENTS ARE IN INCHES.
2. ALL LOOM IS TO BE BRAIDED.
3. EXCEPT WHERE NOTED, ALL MEASUREMENTS ARE FROM THE BACK OF CONNECTORS TO THE CENTER OF HARNESS.
4. BRAIDING SHOULD BE 3" TO 4" BACK OF CONNECTORS EXCEPT WHERE NOTED SO THAT THE CIRCUIT STAMPS ON THE WIRE ARE READABLE.
5. ALL LEADS ARE TO BE 16GA AND 6INCHES UNLESS OTHERWISE NOTED.

Optional Proximity Switch Wire Harness - PN 26416



| CIRCUIT # | CIRCUIT | WIRE GA | WIRE COLOR |
|-----------|---------------|---------|------------|
| 01 | GROUND | 18 GA | BLACK |
| 37 | IGNITION | 18 GA | WHITE |
| 39 | SAFETY SWITCH | 18 GA | GREEN |

NOTES:

1. ALL MEASUREMENTS ARE IN INCHES.
3. EXCEPT WHERE NOTED, ALL MEASUREMENTS ARE FROM THE BACK OF CONNECTORS TO THE CENTER OF HARNESS.
4. JACKET SHOULD BE 3" TO 4" BACK OF CONNECTORS.



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