

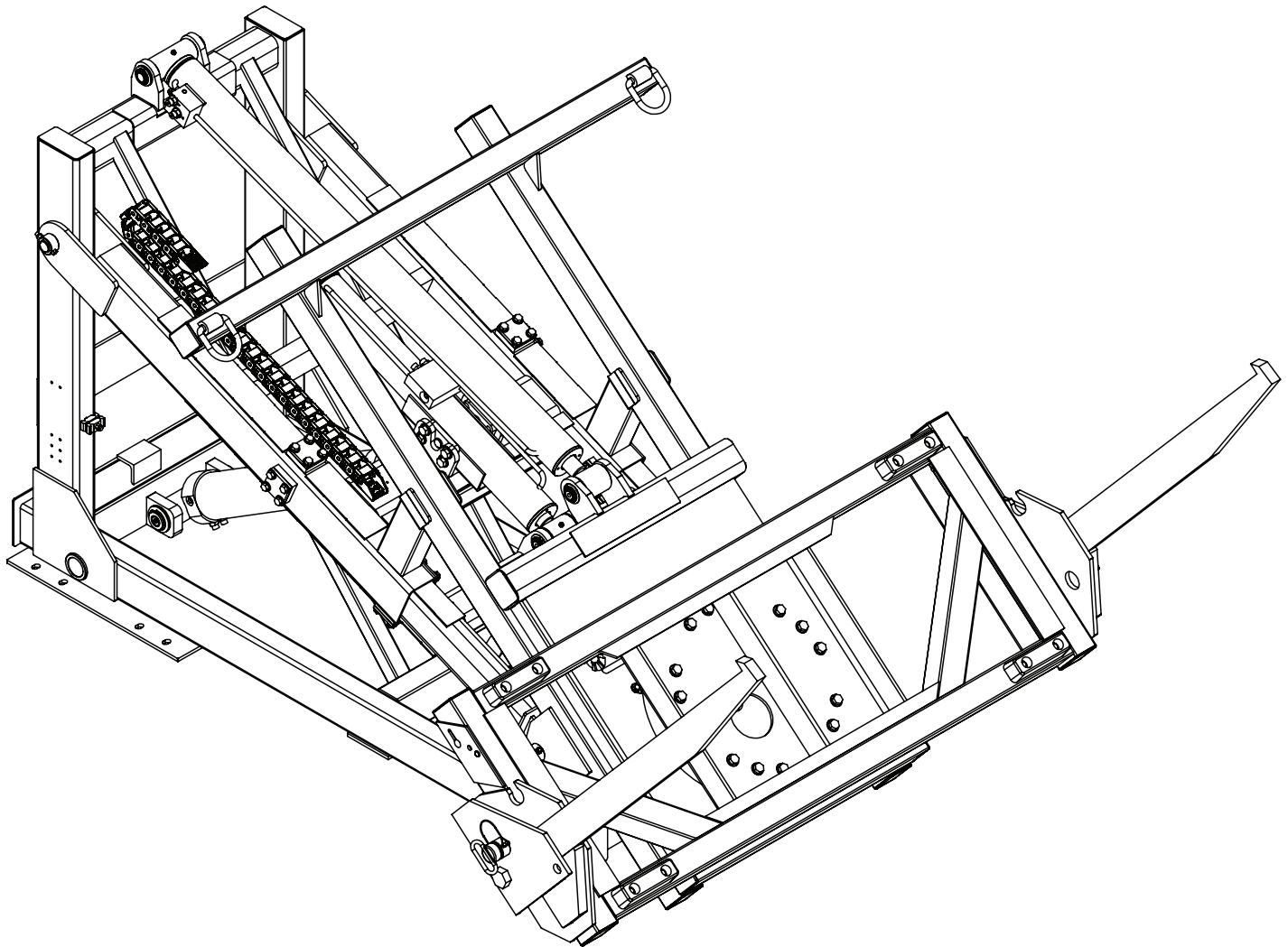


Model ECCR

Container Carrier

Owner's Manual

Specifications • Installation • Assembly Drawings



Notice: A copy of this manual must remain with the equipment at all times.
For a printable download copy, please visit: www.stellarindustries.com

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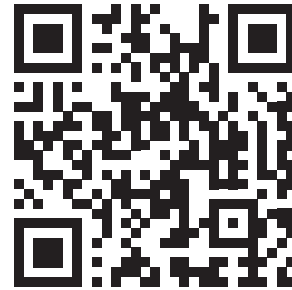
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Rev 1
PN 89043

Serial Tag Location / Warning / Notice

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.



www.p65warnings.ca.gov

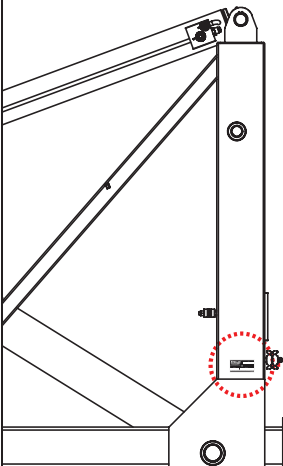
NOTICE

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.

Serial Tag Location



STELLAR®		DATE
PATENT INFORMATION http://www.stellarindustries.com/ip		
MODEL NO.	SERIAL NO.	
MADE IN THE U.S.A. BY STELLAR INDUSTRIES, INC.		
PN C5942		

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Introduction

A copy of this manual is provided with every crane 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 crane 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 safety or operation. Please refer to the Container Carrier General 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.

**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

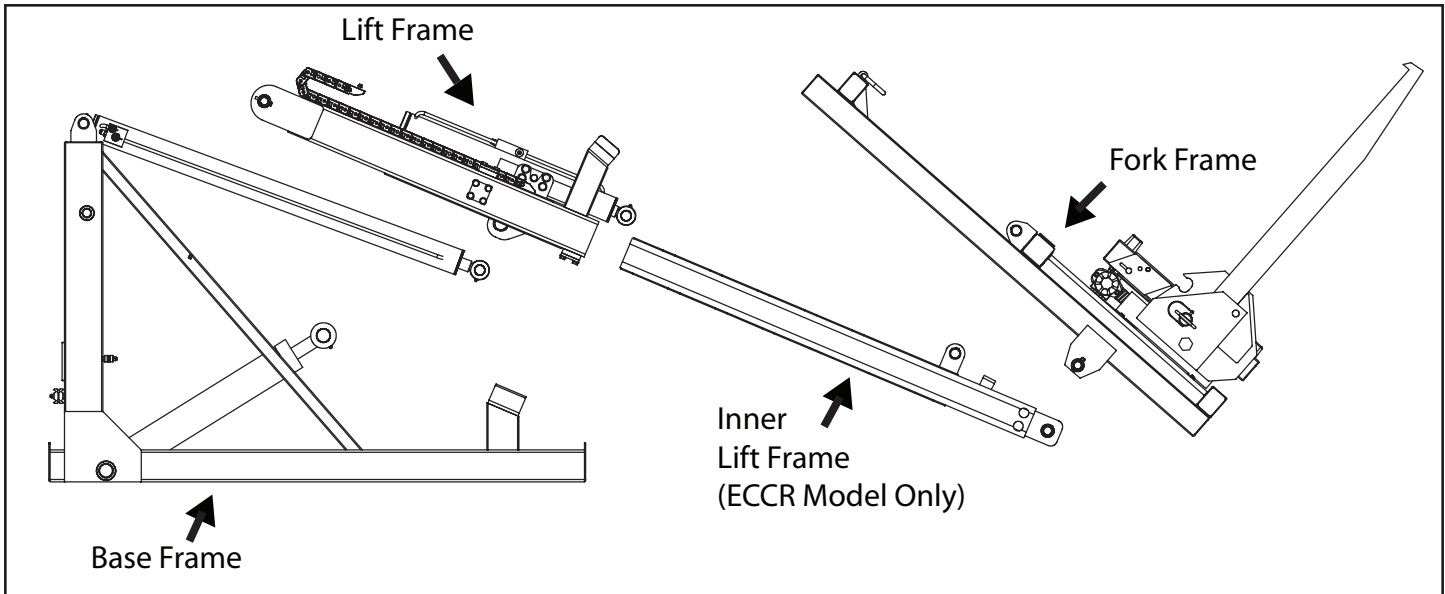
warranty@stellarindustries.com

Chapter 1 - Installation

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Container Carrier Nomenclature



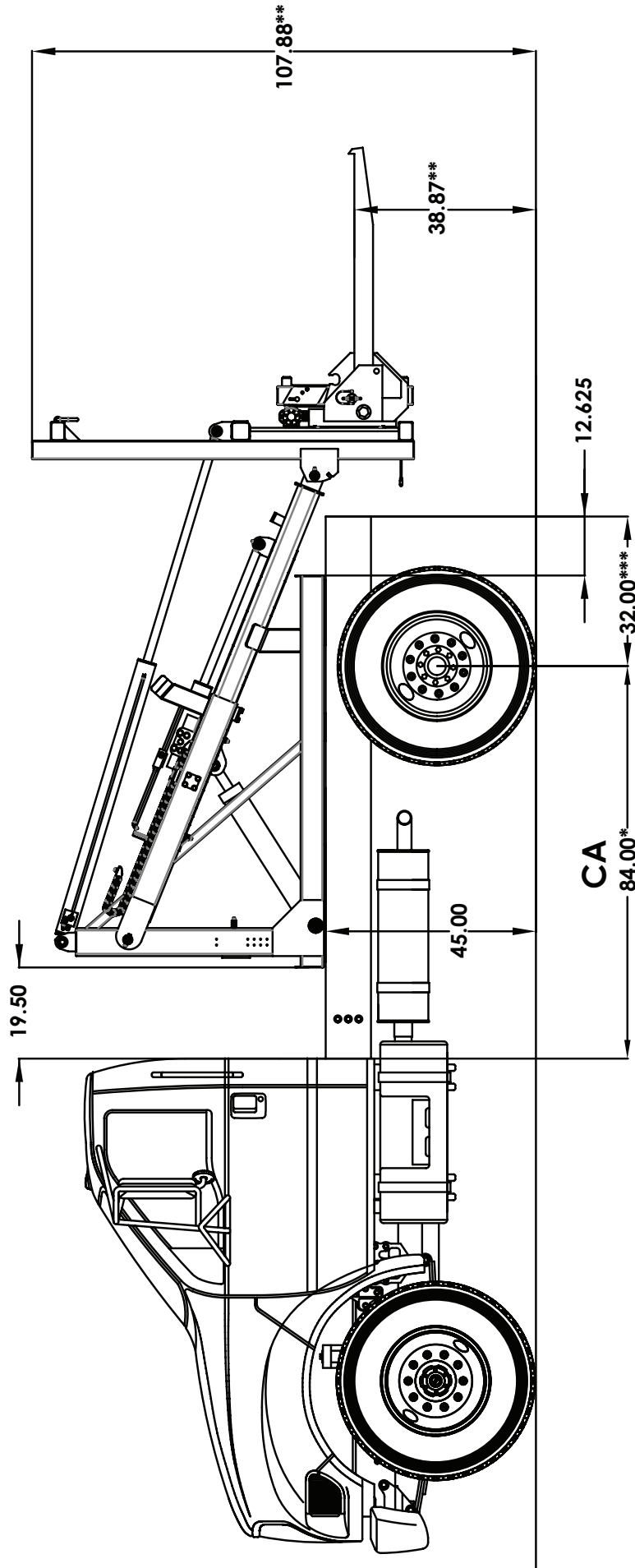
Container Carrier Specifications

Lifting capacity	8,000lbs
Dumping capacity	8,000lbs (4,000lbs on 18.50" Drop Model)
Transporting capacity	8,000lbs (4,000lbs on 18.50" Drop Model)*
Container sizes	2-10yd
Type of containers	Front and rear load
Range of travel	89.45"
Rotation	Worm/Turntable Gear Bearings
Stacking capability	2-8yd
Operating pressure	4,500psi
GPM	12
Hydraulic tank	10 gallon
Recommended CA	84" min.
Controls	Inside and outside
Bushings and grease zerks	All pivot and rotation points
Container bumpers	Molded rubber
Hydraulic pump	Bent-axis piston type
Valve bank	2, 3, and 4 spool cable controlled standard

* Driver responsible for using safe driving practices.

Container Carrier Dimensions

ECCR



* 84" -114" recommended CA. 60" is possible with reduced capacity rating.

** 8.00" drop models subtract 8" from this dimension.

18.50" drop models subtract 18.5" from this dimension.

*** Needs to be 35" when installing on a Ford F750 chassis.

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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® Container Carrier. 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 container carrier on a chassis not capable of handling the loads imposed on it. Failure to do so may result in serious injury or death.

Container carrier Mounting and Assembly

Study names and locations of the parts and familiarize yourself with the container carrier 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.

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.

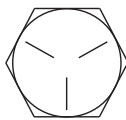
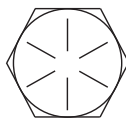
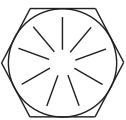
Therefore, the installer of Stellar® Container carriers is considered one of the manufacturers of the vehicle. As such a manufacturer, the installer is responsible for compliance with all applicable federal and state regulations. They are required to certify that the vehicle is in compliance with the 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.
- Torque values for socket-head capscrews are the same as for Grade 8 capscrews.

		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

- **NOTICE** 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. *Note: "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

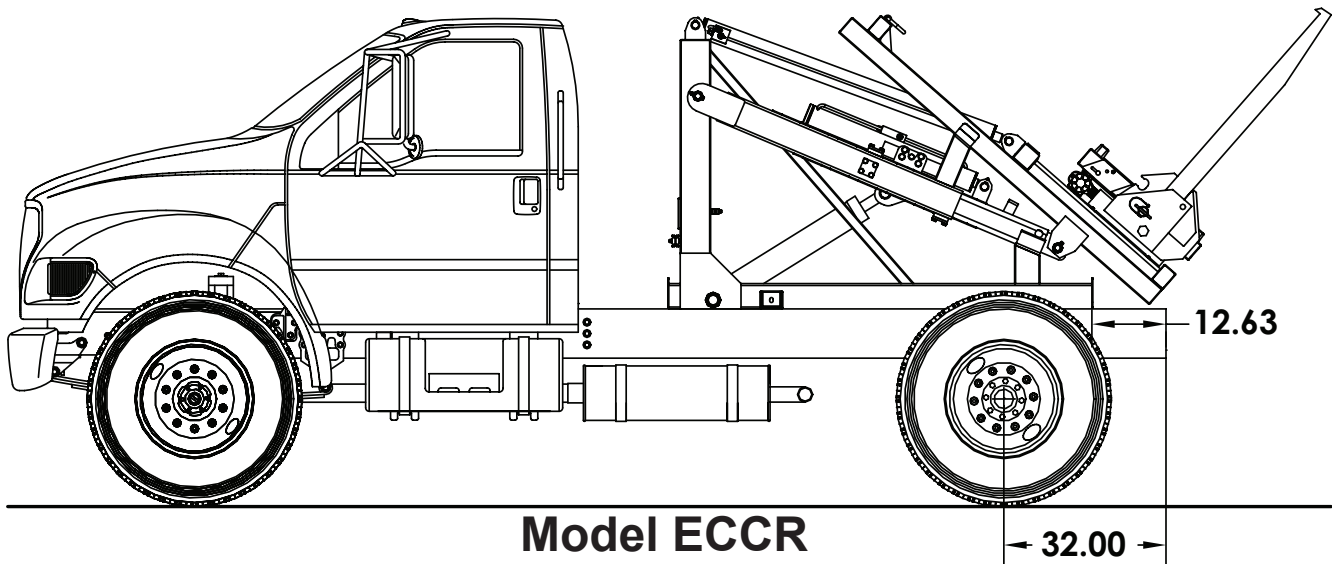
Every container carrier installation is unique. However, certain guidelines exist that apply to every model. Listed below is a general set of chronological steps that may be followed when installing a Stellar Container Carrier. If any questions arise during the installation process, feel free to contact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

Step 1: Clear the Truck Frame

- A. Remove any object on top of the truck frame that will interfere with the installation of the Container Carrier.
- B. Remove any temporary lights and mud flaps.

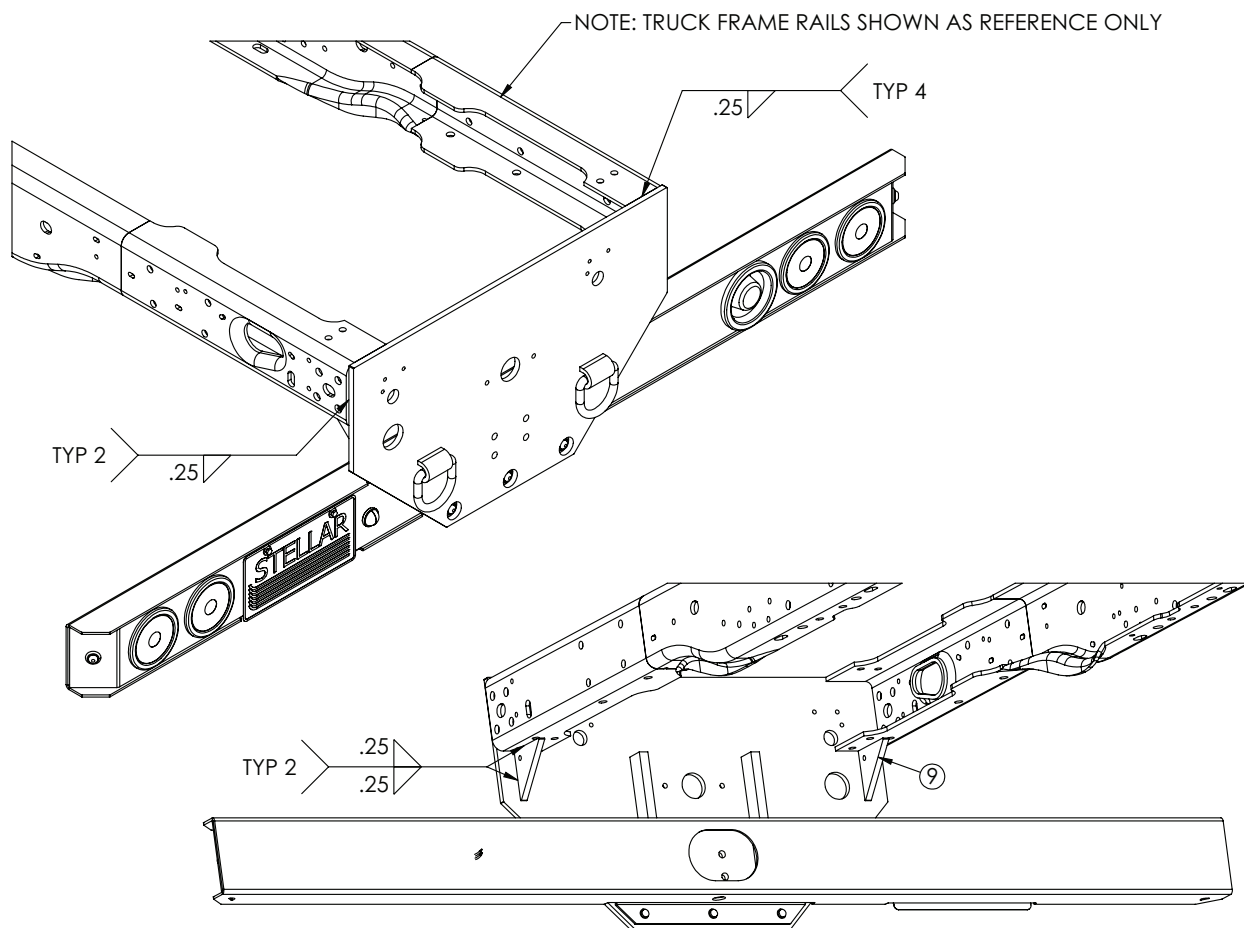
Step 2: Shorten the Truck Frame

- A. Cut the truck frame off a minimum of 1" behind the rear spring shackle.
- B. Make sure not to cut rear of frame off shorter than 32" (35" when installing on Ford F750 Chassis) from center of axle to end of frame.

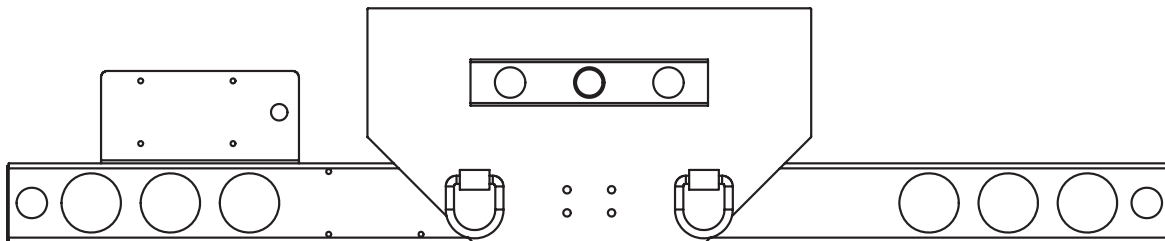


Step 3: Install Bumper

- A. Prep the end of the truck frame so the frame rails have a flat face for the bumper pull plate to mount to.
- B. Clamp bumper pull plate to the end of the truck frame. Once bumper is level and placed correctly, tack weld in place.
- C. Fully weld the bumper pull plate to the outside and inside of the truck frame.



NOTE: PN 112272 IS ONLY REQUIRED WITH TRUCK FRAMES SHORTER THAN 8" IN HEIGHT.



Step 4: Set the Container Carrier on the Truck

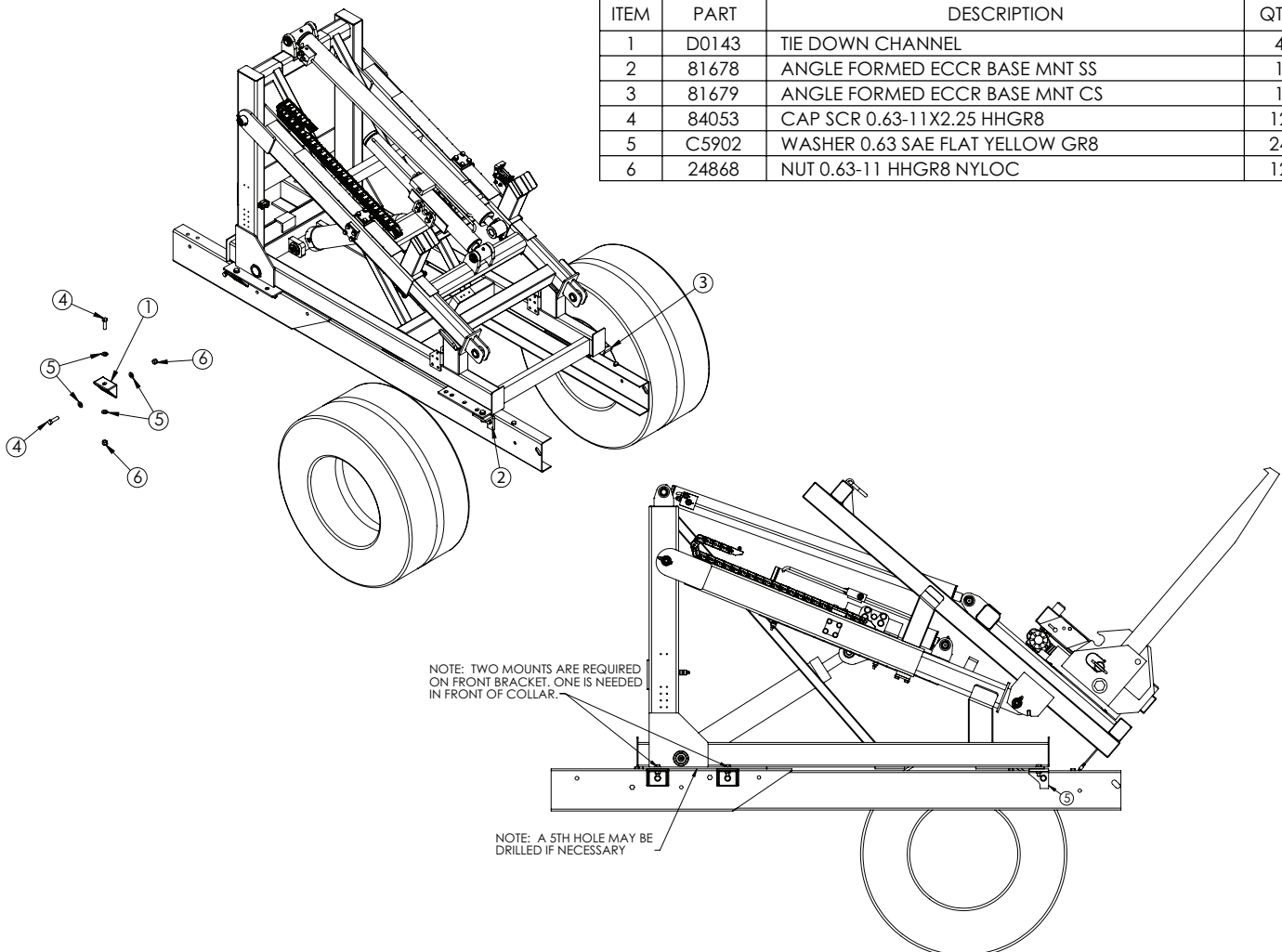
- A. Set the Container Carrier on top of the truck frame. See Mounting Kit below
- B. Container Carrier must set on a level surface. If any object (rivets, cross members, etc.) extend above the top of the truck frame, and cannot be removed, a spacer must be used.
- C. The rear of the ECCR base should be 12.63" from the rear of the truck frame.
- D. Square Container Carrier on the truck. (Note: See drawing in Step 2 of this chapter)

Step 5: Install Tie-Down Castings

- A. Using 5/8" bolts, washers, and nuts, secure the six (4) loose tie down castings and two (2) rear angle brackets to the mounting plates already welded to the Container Carrier base.
- B. Using the castings/brackets as a guide, drill six (6) 11/16" holes through the truck frame.
- C. Fasten the tie down castings to the truck frame using the remaining 5/8" bolts, washers, and nuts.

PN 52296

ITEM	PART	DESCRIPTION	QTY.
1	D0143	TIE DOWN CHANNEL	4
2	81678	ANGLE FORMED ECCR BASE MNT SS	1
3	81679	ANGLE FORMED ECCR BASE MNT CS	1
4	84053	CAP SCR 0.63-11 X2.25 HHGR8	12
5	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	24
6	24868	NUT 0.63-11 HHGR8 NYLOC	12

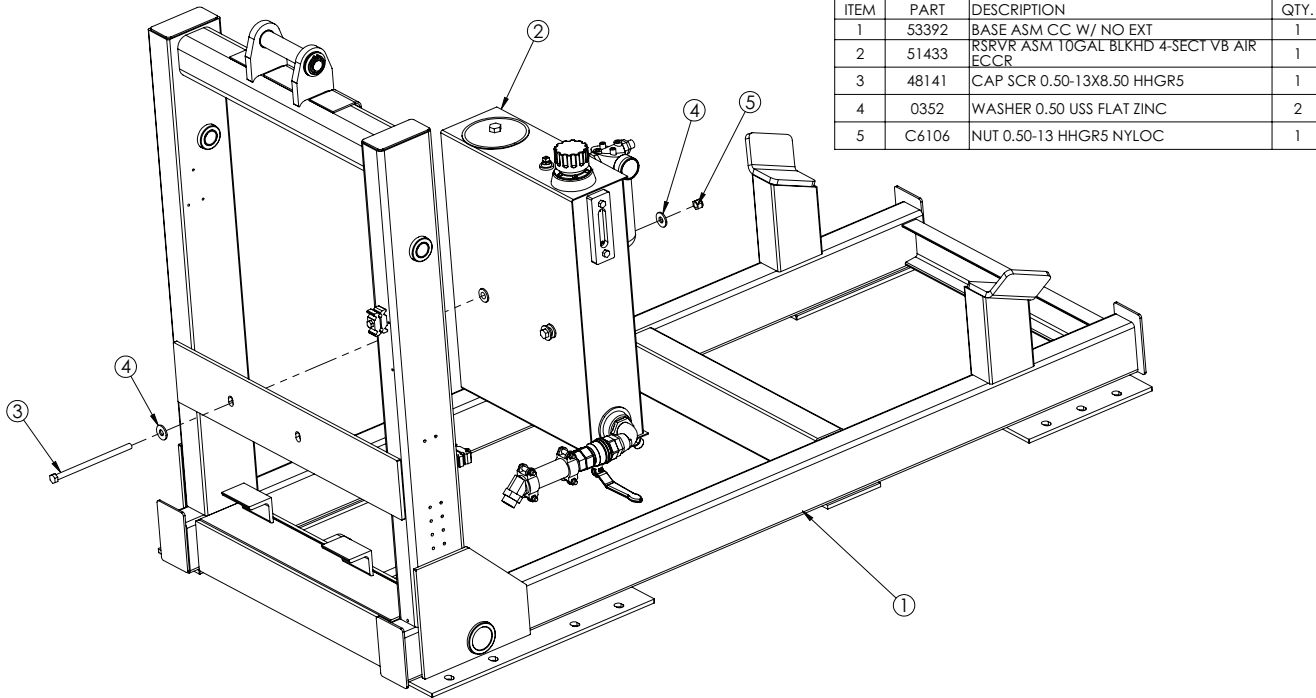


Step 6: Install the PTO and Pump

A. Install the PTO and Pump according to the manufacturer instructions.

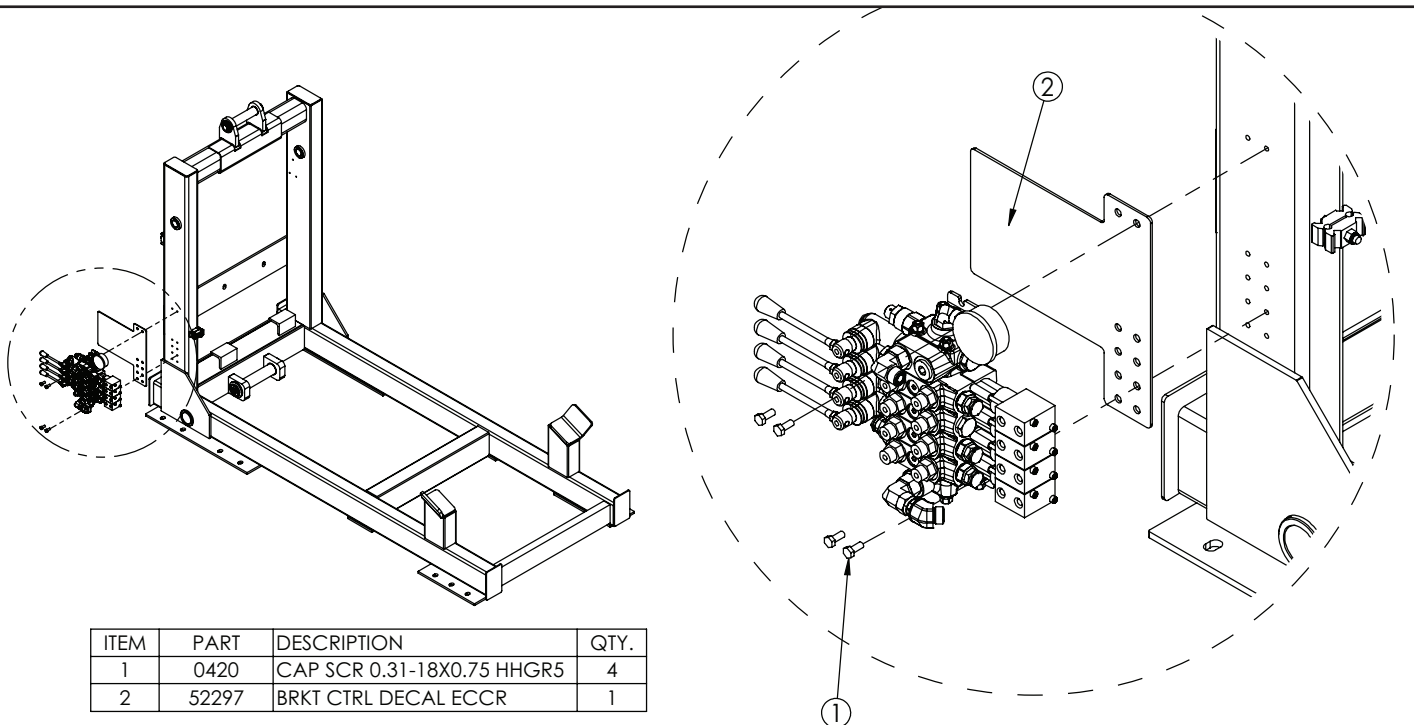
Step 7: Install Reservoir

A. Install the reservoir:



Step 8: Install Valve Bank

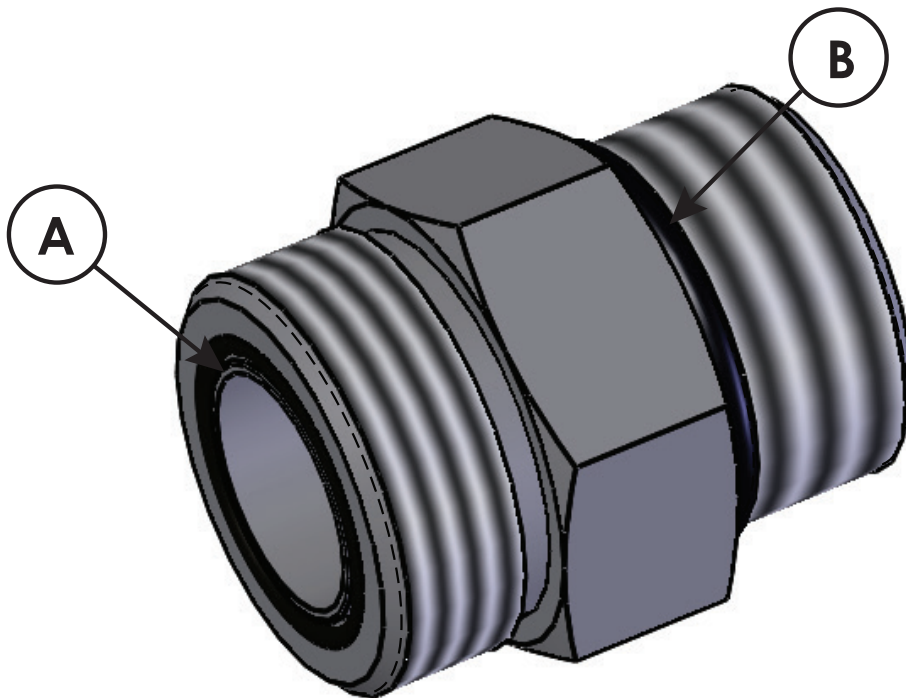
A. Install the valve bank:



Step 9: Route Hydraulics

- A. Connect suction hose to the suction ports on the reservoir and pump. Attach with hose clamps provided.
- B. Connect pressure hose to the pressure port on the pump and the pressure port on the valve bank.

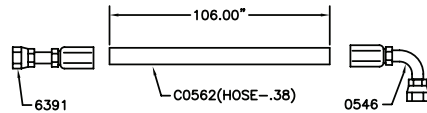
Face Seal/O-Ring Size Chart



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

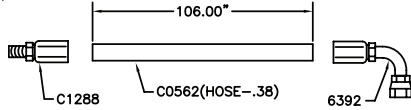
ECCR Hose Kit - PN 52549

STELLAR #98528-0.38(4500PSI)-8FFSS SHORT-6FFSS 90 SHORT-106CL
QTY -1



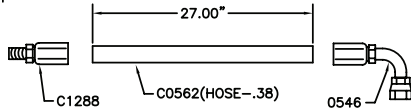
FUNCTION: PLUNGER VALVE PORT "C" TO LIFT CYL RETRACT

STELLAR #98529-0.38(4500PSI)-6MFS-8FFSS 90 SHORT-106CL
QTY -1



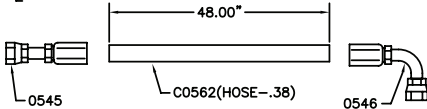
FUNCTION: TUBE ASM TO PLUNGER VALVE PORT "V"

STELLAR #52553-0.38(4500PSI)-6MFS-6FFSS 90 SHORT-27CL
QTY -1



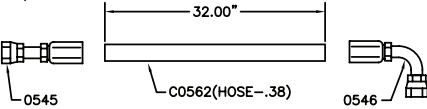
FUNCTION: TUBE ASM TO LIFT CYL EXTEND

STELLAR #9093-0.38(4500PSI)-6FFSS SHORT-6FFSS 90 SHORT-48CL
QTY -2

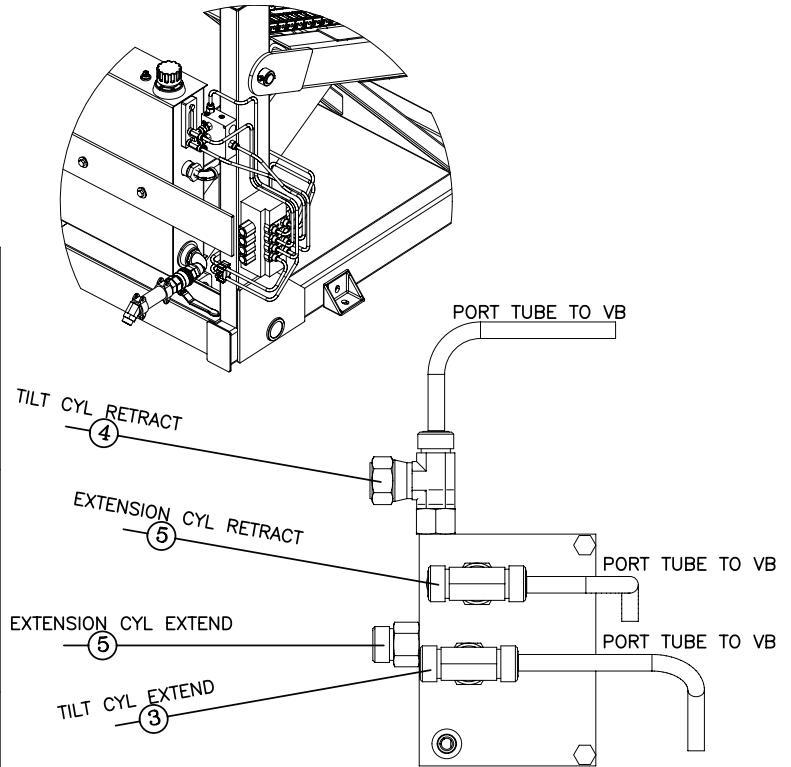


FUNCTION: MANIFOLD TO EXTENSION CYL

STELLAR #52551-0.38(4500PSI)-6FFSS SHORT-6FFSS 90 SHORT-32CL
QTY - 1



FUNCTION: MANIFOLD TO TILT CYL



NOTE: SEE MANUAL FOR PORT TUBE INSTALLATION

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

PN 52549

08	98528	HOSE 0.38(4500PSI)-8FFSS SHORT-6FFSS 90 SHORT-106CL	1ref
07	98529	HOSE 0.38(4500PSI)-6MFS-8FFSS 90 SHORT-106CL	1ref
06	52553	HOSE 0.38(4500PSI)-6MFS-6FFSS 90 SHORT-27CL	1ref
05	9093	HOSE 0.38(4500PSI)-6FFSS SHORT-6FFSS 90 SHORT-48CL	2ref
04	52551	HOSE 0.38(4500PSI)-6FFSS SHORT-6FFSS 90 SHORT-32CL	1ref
03	52550	HOSE 0.38(4500PSI)-6FFSS SHORT-6FFSS 90 SHORT-34CL	1ref
02	52552	HOSE 0.38(4500PSI)-6MFS-6FFSS SHORT-156CL	2ref
01	52549	HOSE KIT CONTAINER CARRIER EXT	1
ITEM	PART No.	DESCRIPTION	QTY

Step 10: Install In-Cab Controls

A. Pre-Assembled Air Control Tower Installation

1. Determine a suitable location which is in a comfortable location for the driver and not in the way of the transmission lever.
2. Position the lower bolt holes so that the bolts will miss any cable, wires, or structural members in or under the cab floor.
3. Mark and drill the four (4) .375" diameter holes for the 3/8" cap screws supplied for the tower.
4. Determine a location in the area between the mounting holes to run the air lines.
5. Drill a 2" to 3" diameter hole through the floor of the truck. Remove all burrs and sharp edges. Line the hole with the grommet material supplied.
6. Using the washers on the underside of the floor, attach the tower to the floor with 3/8" cap screws and lock nuts.

After the control tower has been mounted, the air lines can be routed. The air line tubing is color coded as follows:

Blue - Tilt Cylinder Extend
Green - Tilt Cylinder Retract
Orange-Lift Cylinder Extend
Yellow-Lift Cylinder Retract
Red-PTO
Black-Exhaust
Silver-Supply
Black-Rotate Clockwise
Black-Rotate Counter-Clockwise

To remove an air line from a fitting, push the line in, hold the internal sleeve of the fitting, then pull the air line out.

1. Pass the air lines through the hole lined with grommet material in the floor.
2. Route the exhaust air line outside of the truck cab.
3. Determine a suitable route for the air lines to the control valve. Avoid sharp bends, sharp edges, and heat sources.
4. Connect Silver air line to chassis air supply.
5. Install supplied elbow fittings into air actuators.
6. Connect the air lines to the elbow fittings in the air actuators.
7. Bundle the air lines together and secure, out of the way.

Start-up Procedure

1. Charge the air system of the truck. Check all lines for leakage.
2. Operate the controllers and check for correct control valve movement.
3. After the correct connections have been made and the Stellar equipment completely installed, engage the PTO to check operation.

Install In-Cab Controls Continued...

B. Cable Control Installation

1. Remove the aluminum spring centering block from the valve spool:



2. Screw the threaded hub of the cable assembly all the way through the aluminum spring centering block as shown:



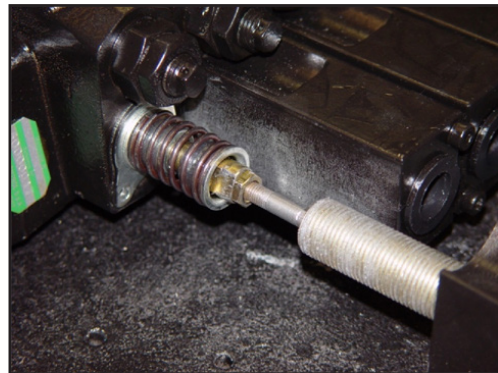
3. Thread the 1/4" jam nut onto the threaded end of the cable:



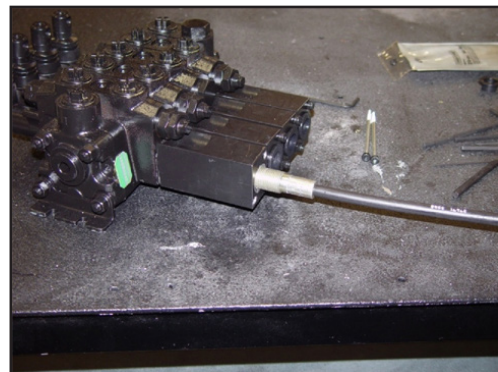
4. Screw the threaded end of the cable 3 turns into the end of the valve spool:



5. Tighten the jam nut:

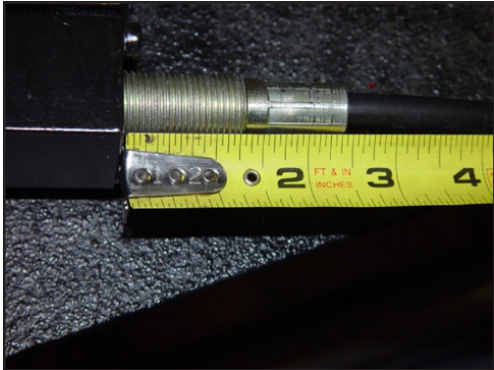


6. Rotate the outer cable assembly counter-clockwise to bring the aluminum spring centering block back over the spring:



Install In-Cab Controls Continued...

7. Rotate the cable assembly counter-clockwise until approximately 1 and 1/4" of threads of the hub are showing:



8. Bolt the aluminum spring centering block back onto the valve bank:



9. Run the cable up through the hole in the cab floor and through the control tower. (Note: the cable must be connected to the controller while the controller is outside of the tower.)

10. Remove the bottom bolt from the control handle:

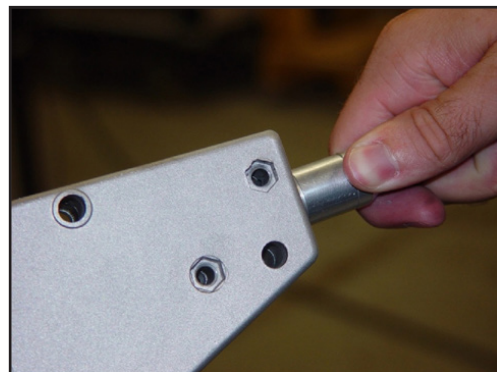


11. Push and hold the control handle so the

threaded receiver is visible. Simultaneously screw the threaded collet of the cable into the receiver of the control handle. If more cable slack is required, move the valve bank handle on the section that you are connecting:



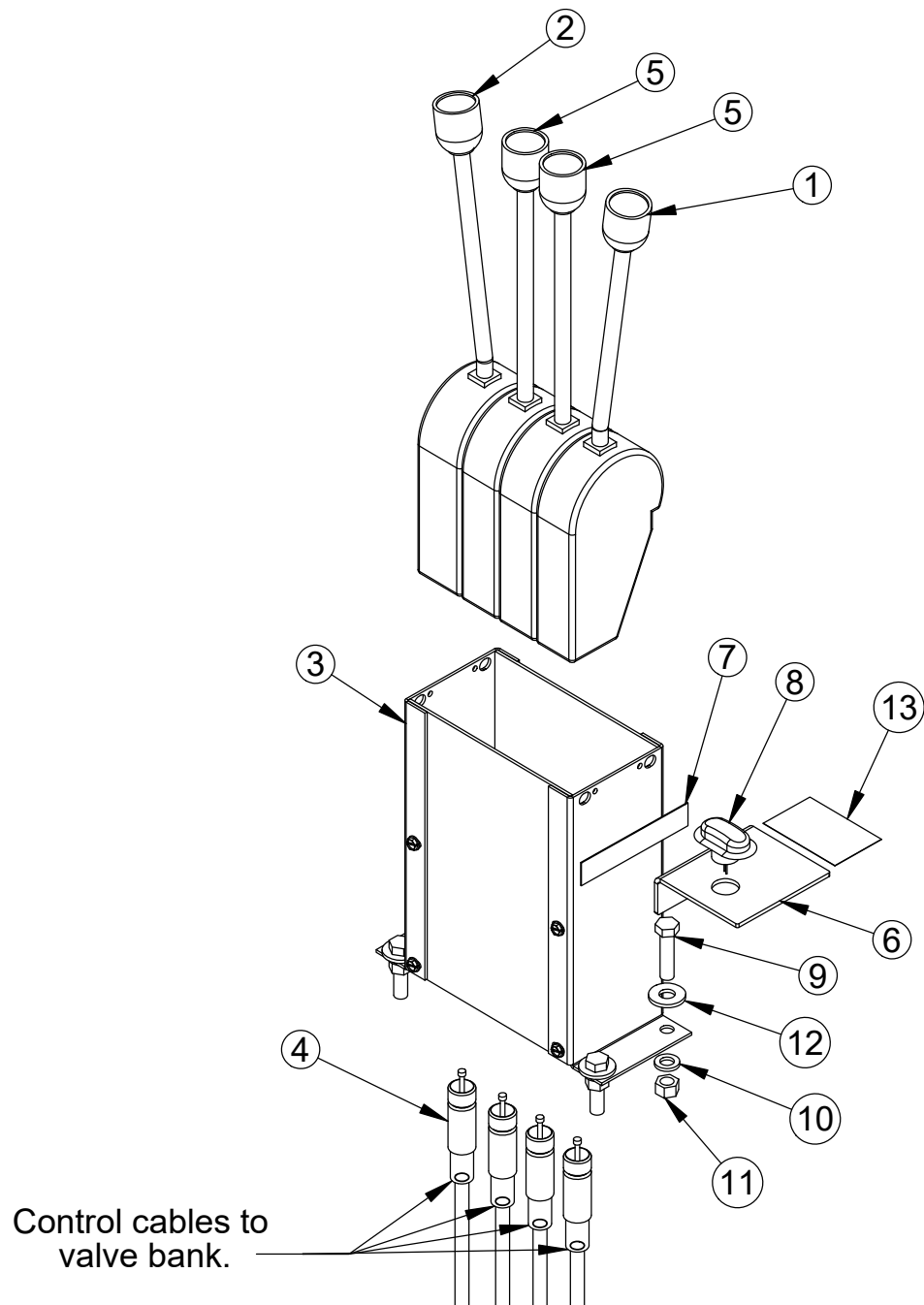
12. Push the cable assembly into the control handle until the groove in the cable end is visible through the bottom hole in handle where the bolt was previously removed. Hold the cable end in place and reinstall the bolt and nut:



13. When complete, the spool and control handle should return to the neutral position when released. If adjustment is needed, the cable must be removed at the controller end and then rotated at the spool end to achieve the proper neutral position.

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Cable Controls - 4 Section - PN 52112



Cable Controls - 4 Section PN 52112 Parts List

PN 52112			
ITEM	PART	DESCRIPTION	QTY
1	46825	CONTROLLER RIGHT BEND NO LOCK WESCON	1
2	47131	CONTROLLER LEFT BEND NO LOCK WESCON	1
3	41408	VALVE CTRL CONSOLE 4 LEVER RVC	1
4	37471	CONTROL CABLE 96 IN WESCON	4
5	45312	CONTROLLER STRAIGHT NO LOCK WESCON	2
6	54511	BRKT CONTROLLER DUMP UP LIGHT ECCR	1
7	24857	TAPE DBL SIDE 45 MIL X.75WX4.00 LONG	1
8	45908	LIGHT CLEARANCE RED MICRO LED	1
9	0345	CAP SCR 0.38-16X1.50 HHGR5	4
10	0523	WASHER 0.38 LOCK	4
11	0535	NUT 0.38-16 HHGR5	4
12	0346	WASHER 0.38 USS FLAT	4
13	57228	DECAL SICC INSIDE CONTROL 4 SECT	1
REV. C			

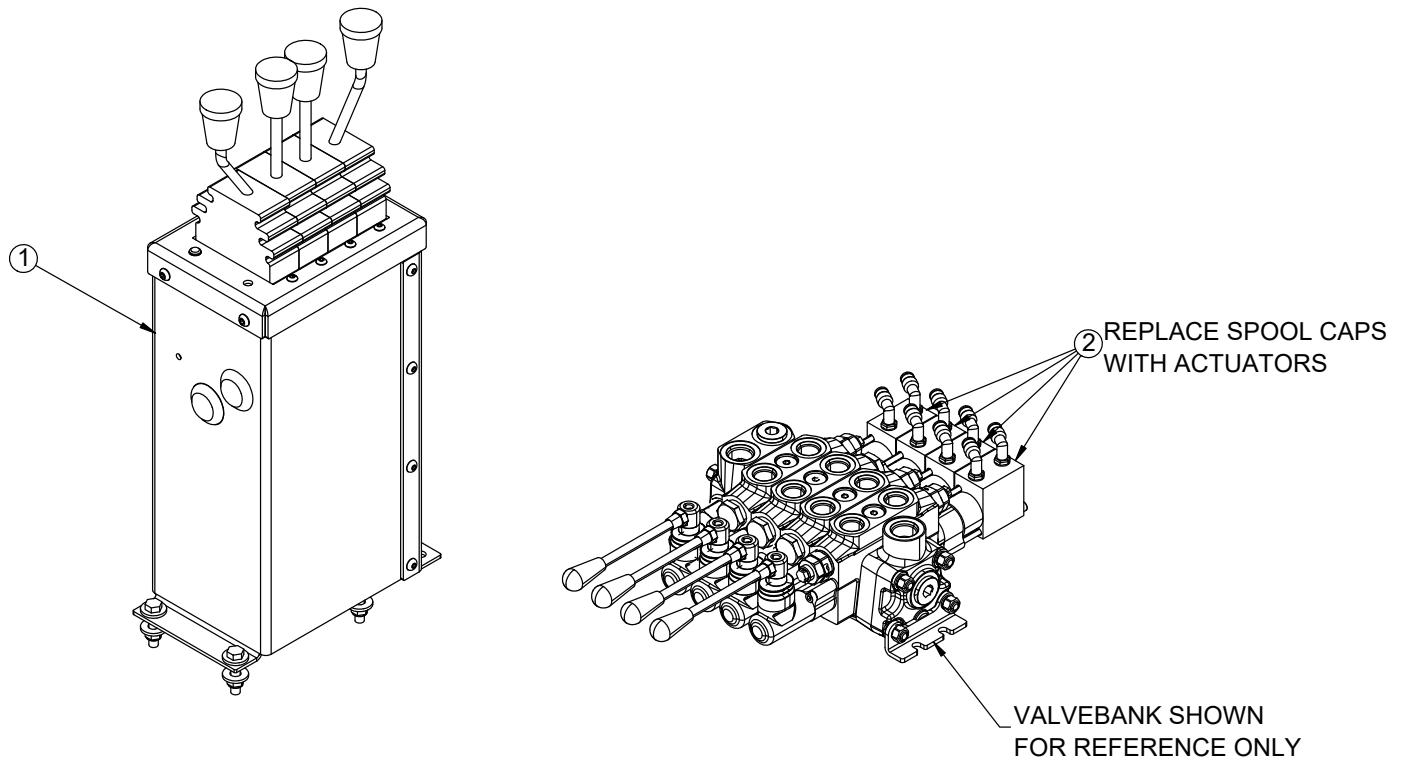
ITEMS NOT SHOWN		
PART	DESCRIPTION	QTY
67319	CABLE KIT VALVE SECTION DVS10	4

NOTES:

45908 IS SHOWN FOR REFERENCE ONLY. IT IS INCLUDED IN KIT 52136.

57228 IS SHOWN FOR REFERENCE ONLY. IT IS INCLUDED IN KIT 52904.

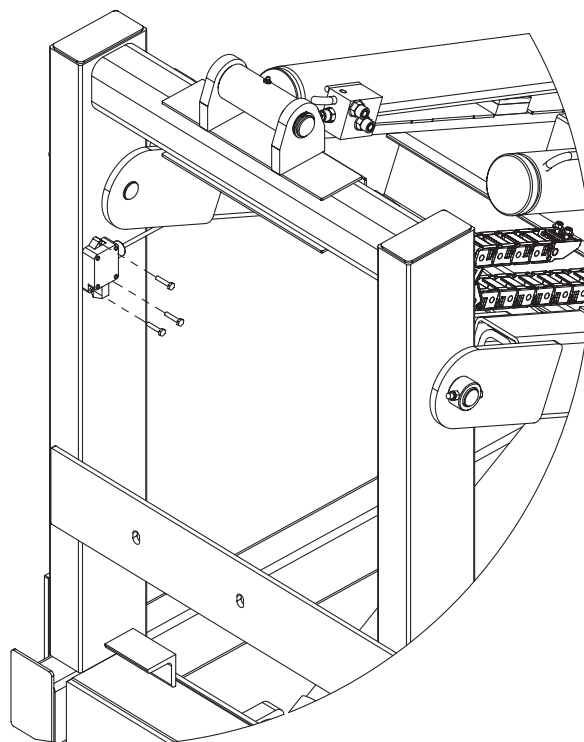
Air Controls - PN 133983



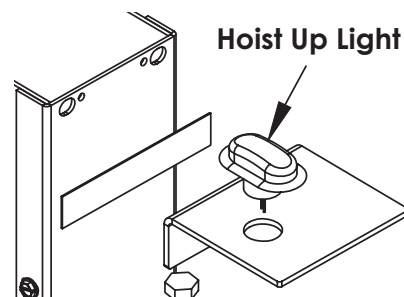
PN 133983			
ITEM	PART	DESCRIPTION	QTY
1	88652	CONTROLLER ASM AIR 4 SECT CONTAINER CARRIER	1
2	64634	AIR ACTUATOR DVS10	1
REV. INITIAL RELEASE			

Step 11: Install Hoist Up Light Kit

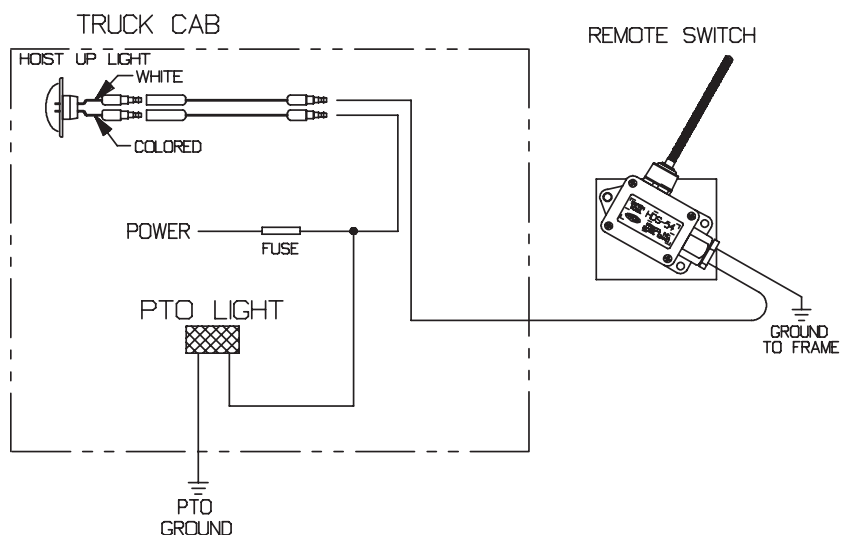
- A. Mount the remote switch (PN 45907) to the curb side vertical base tube using the 1/4" cap screws provided:



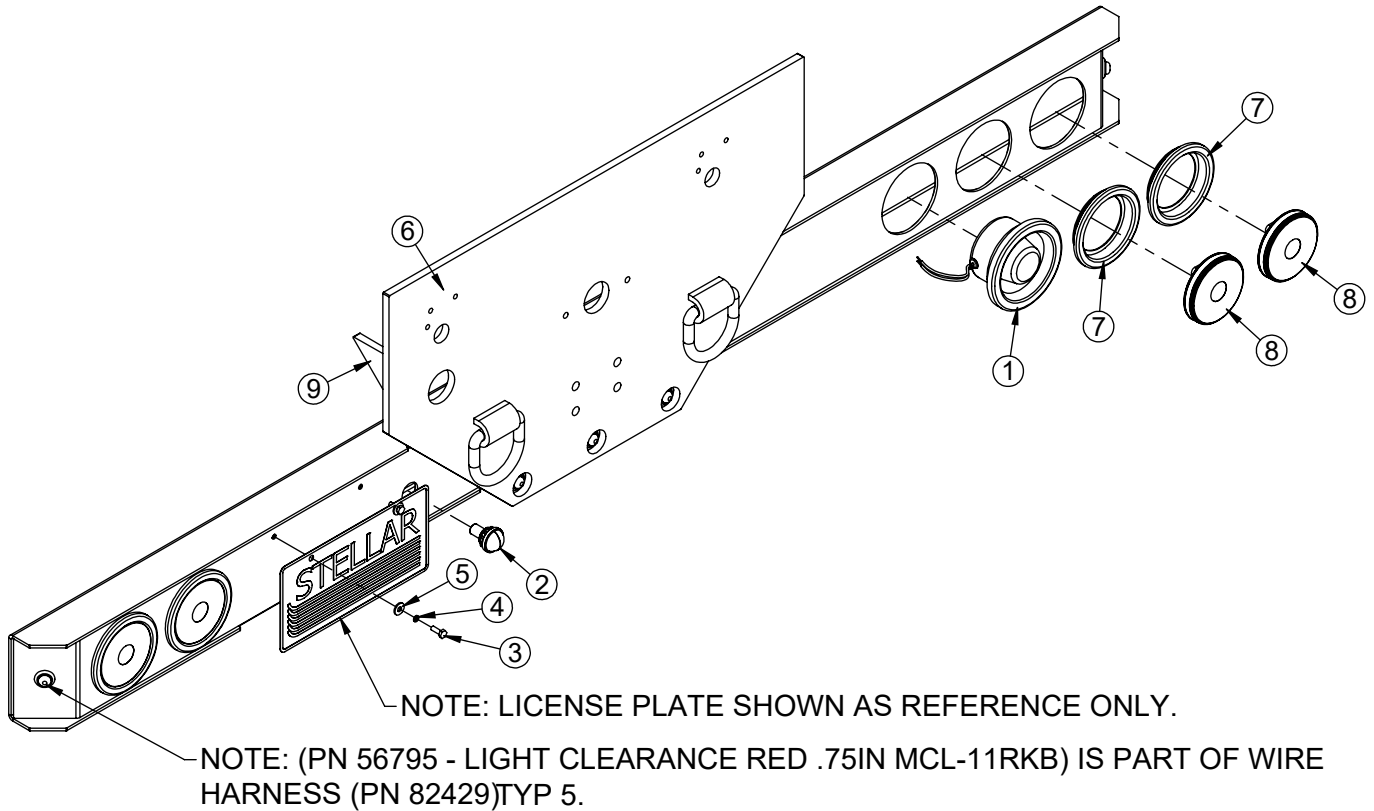
- B. For cable controller assemblies, the hoist up light will need to be installed onto the bracket:



- C. Connect the female terminals of PN 45909 Pigtail to the hoist up light located on the controller assembly. Connect the other end of the pigtails as shown:



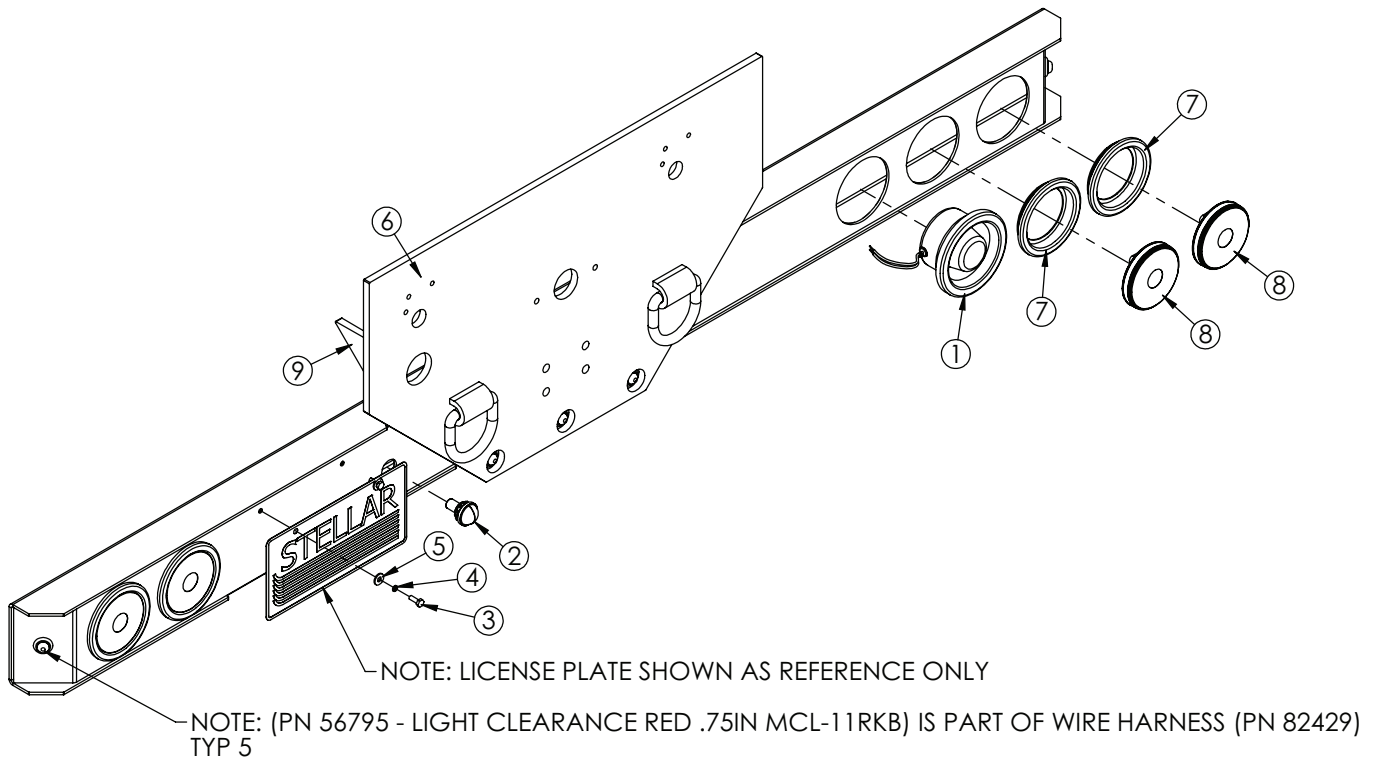
Step 12: Install bumper accessories.



PN 89307			
ITEM	PART	DESCRIPTION	QTY
1	18742	BACKUP ALARM ACORN 97 DECIBAL	1
2	2320	LICENSE PLATE LIGHT ROUND 430 W	1
3	0479	CAP SCR 0.25-20X0.75 HHGR5	2
4	0521	WASHER 0.25 LOCK	2
5	0340	WASHER 0.25 USS FLAT	2
6	81301	BUMPER FOR 16K PINTLE ECCR	1
7	82430	GROMMET 4.00 ROUND LAMP (GROTE)	4
8	82431	LIGHT STOP/TURN/TAIL/REV 4 RND GROTE LED	4
9	112272	GUSSET 0.50X4.00X4.00 W/HOLE	2
REV. E			

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

Step 12: Install bumper accessories.



ITEMS NOT SHOWN:

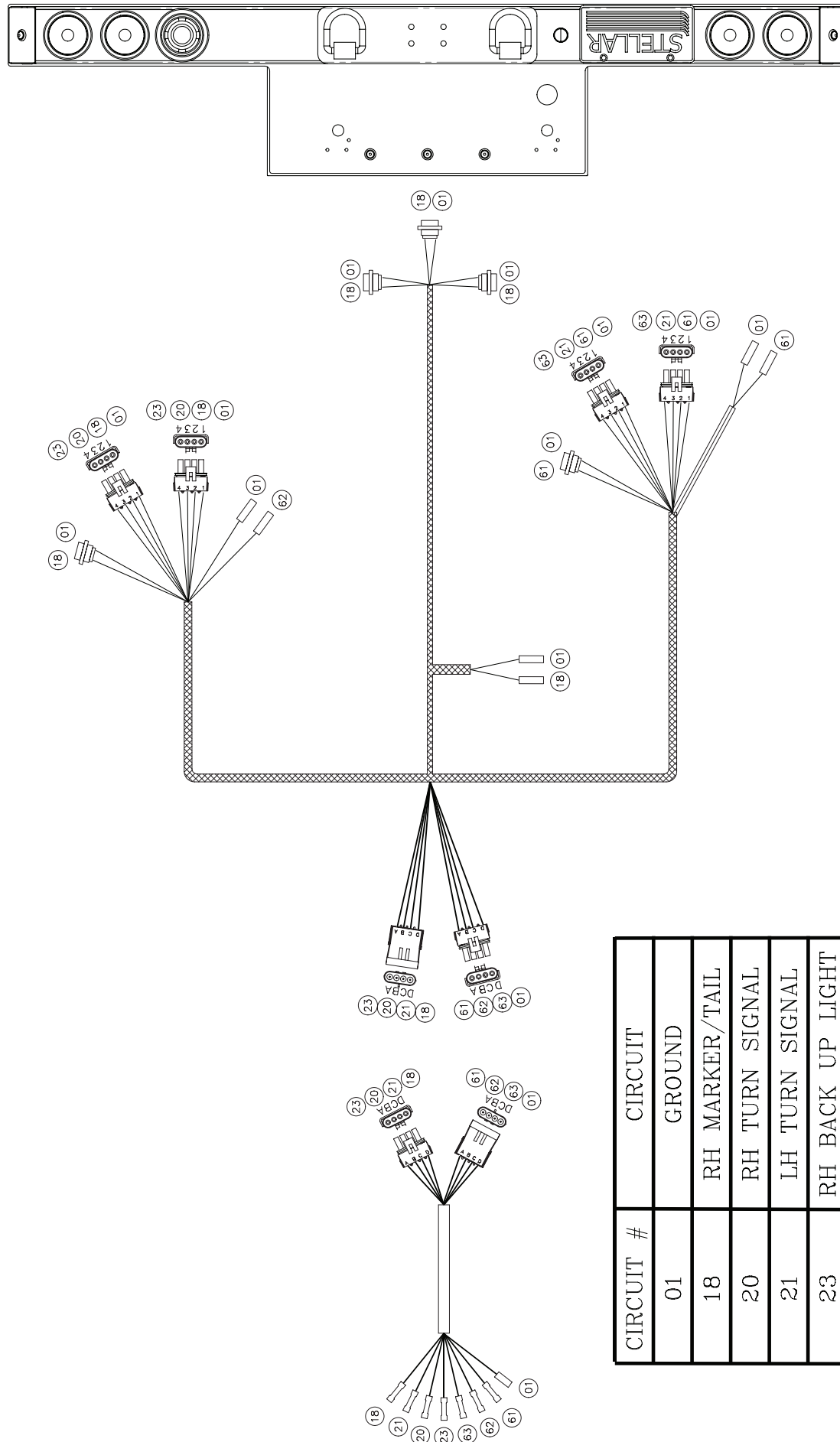
82429 - WIRE HARNESS FMV108 HOOK LOADER GEN2 X 1
 85371 - WIRE HARNESS FMVSS108 CHASSIS GEN2 X 1
 0540 - REFLECTOR 3.00 AMBER X 2
 0541 - REFLECTOR 3.00 RED X 2

PN 81307

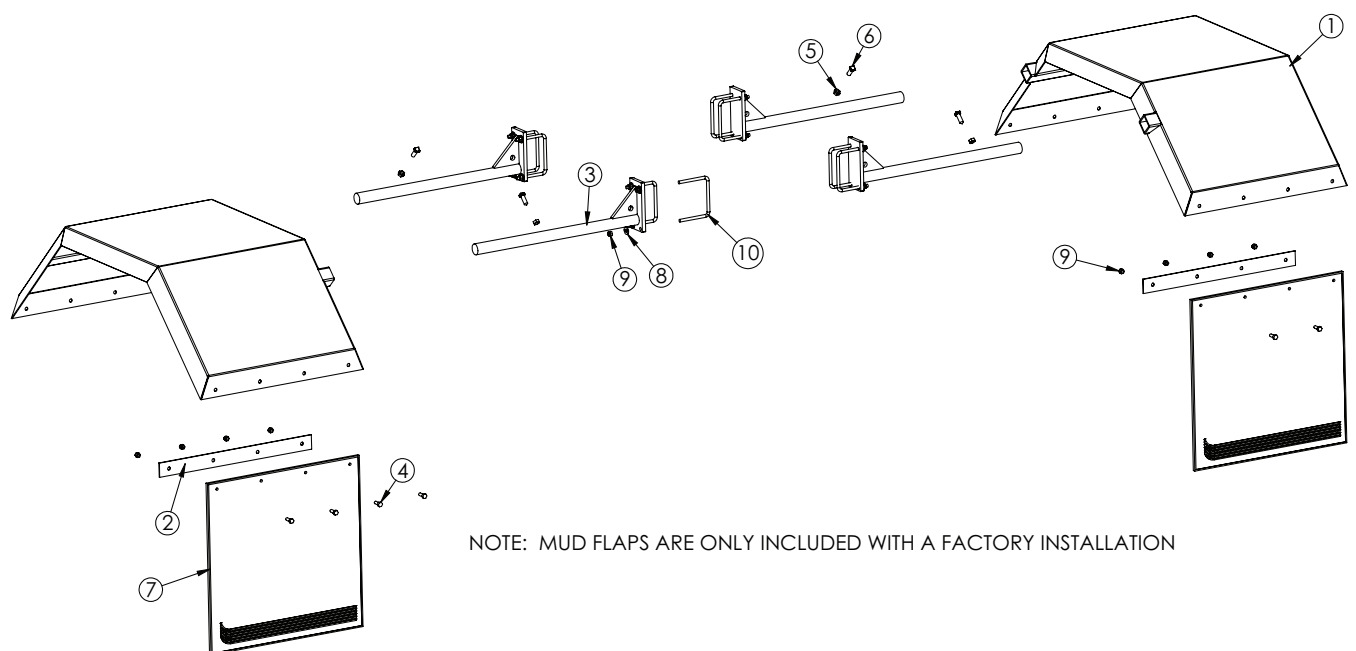
ITEM	PART	DESCRIPTION	QTY.
1	18742	BACKUP ALARM ACORN 97 DECIBAL	1
2	2320	LICENSE PLATE LIGHT ROUND 430 W	1
3	0479	CAP SCR 0.25-20X0.75 HHGR5	2
4	0521	WASHER 0.25 LOCK	2
5	0340	WASHER 0.25 USS FLAT	2
6	81301	BUMPER FOR 30K PINTLE ECCR	1
7	82430	GROMMET 4.00 ROUND LAMP (GROTE)	4
8	82431	LIGHT STOP/TURN/TAILO/REV 4 RND GROTE LED	4
9	112272	GUSSET 0.50X4.00X4.00 W/HOLE	2

NOTE: PN 112272 IS ONLY REQUIRED WITH TRUCK FRAMES SHORTER THAN 8" IN HEIGHT.

Step 13: Route Electrical



Step 14: Install Fenders and Mud Flaps



NOTE: MUD FLAPS ARE ONLY INCLUDED WITH A FACTORY INSTALLATION

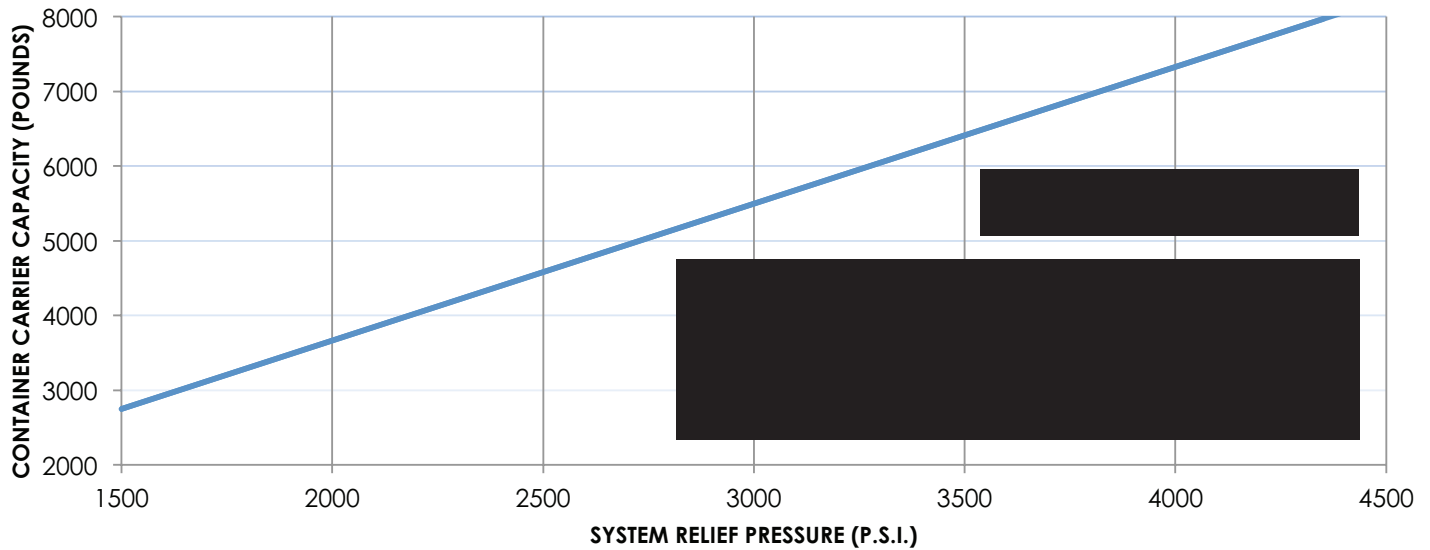
PN 46299

ITEM	PART	DESCRIPTION	QTY.
1	46626	FENDER WLDMT STEEL SINGLE KPAC	2
2	45039PC	PLATE MUD FLAP BACKING 43"FENDER KP	2
3	46627PC	FENDER SUPPORT WELDMENT	4
4	0351	CAP SCR 0.38-16X1.00 HHGR5	8
5	0537	NUT 0.50-13 HH	4
6	46590	CAP SCR 0.50X1.50 SQ HD CP SS	4
7	C4821	MUD FLAP 24.00X24.00 STELLAR	2
8	0346	WASHER 0.38 USS FLAT	16
9	0347	NUT 0.38-16 HHGR5 NYLOC	24
10	77537	U BOLT 0.38X5.00X4.75	8

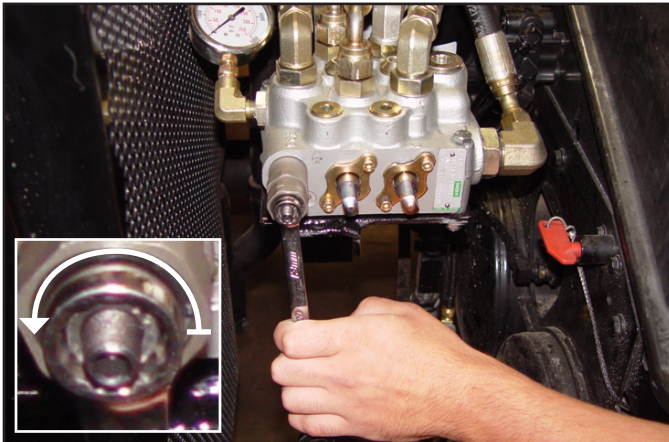
Step 15: Operate the Container Carrier

- ⚠ WARNING** Stellar® Container Carrier operators must conform to the qualifications in the Operation section of this manual. Read and understand all documentation and safety signs before operating or servicing this equipment.
- Bleed the air out of the hydraulic system.
- Check the oil level and add oil if needed.
- Calibrate hoist up light.
- Be sure to check all clearances.
- Set/check relief pressure(See chart and steps on the following page).

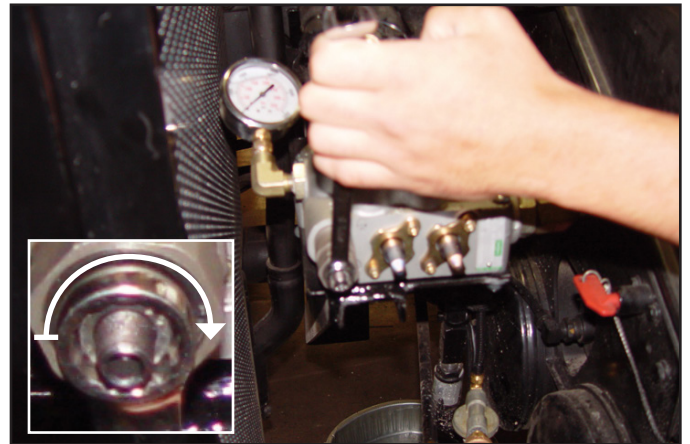
Setting System Relief Pressure



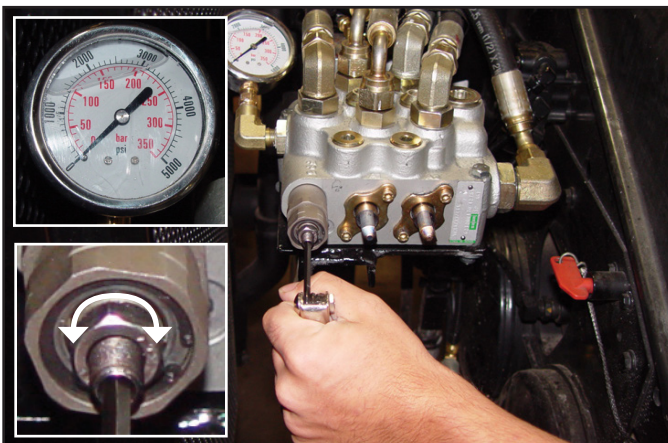
1. Engage the PTO. Run the PTO at 1200 RPM.
2. Push the control lever labeled 'lift' until the boom bottoms out. Keep pushing the lever forward until the pressure is set.
3. Release the jam nut using a 13 mm wrench.



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



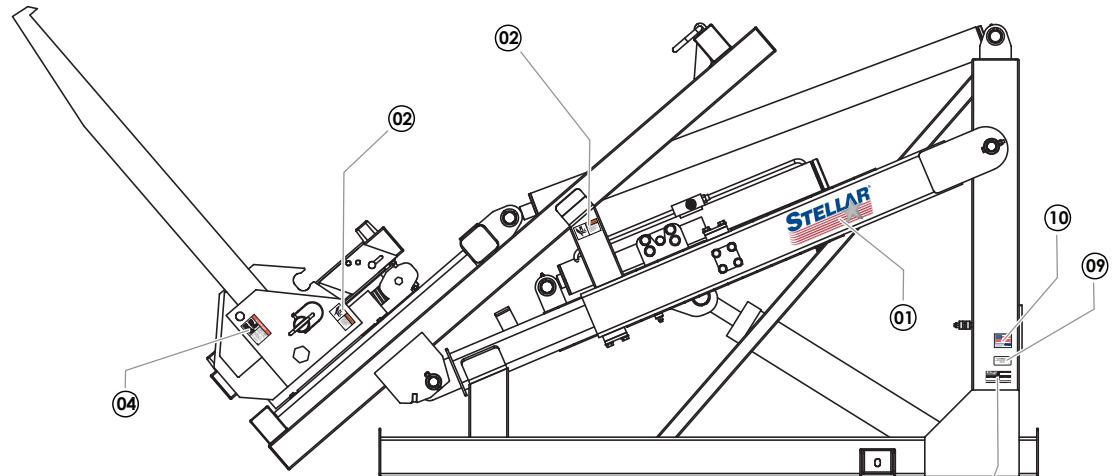
4. Adjust the system relief pressure using 4 mm allen wrench. Clockwise increases pressure, counter clockwise decreases pressure:



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:



Step 16A: Apply Carrier Decals



Last Revision

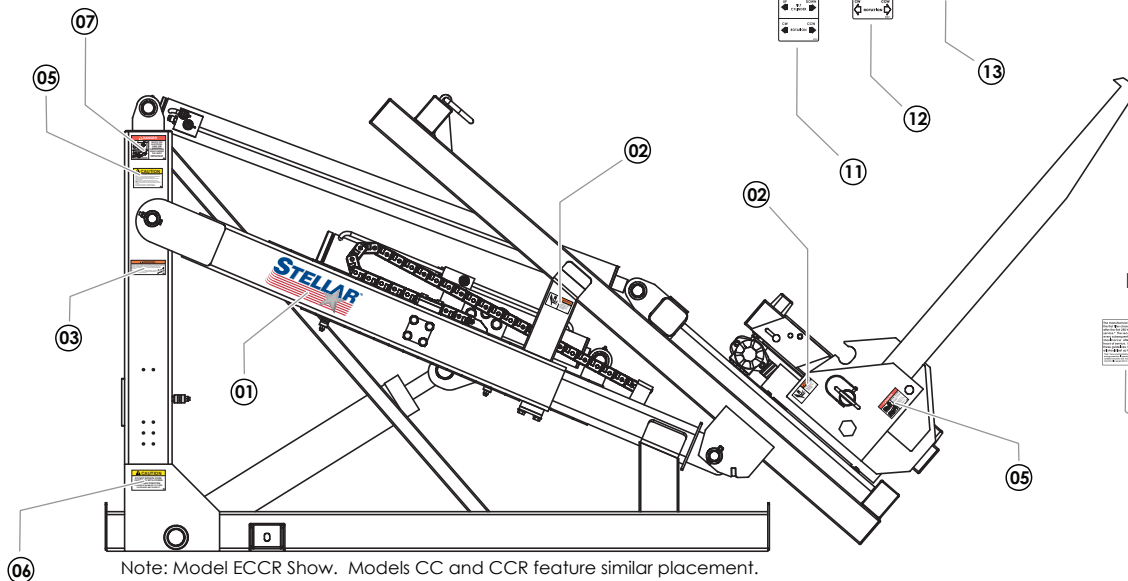
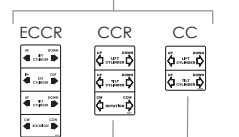
Rev Level: J

Date: 08/16/21

Changes: Separate chassis decals from carrier assembly decals.

SELECT APPROPRIATE
DECAL AND PLACE
NEAR VALVE BANK,
DISCARD THE OTHER TWO

SERIAL PLATE (C5942)
NOT INCLUDED
WITH DECAL KIT



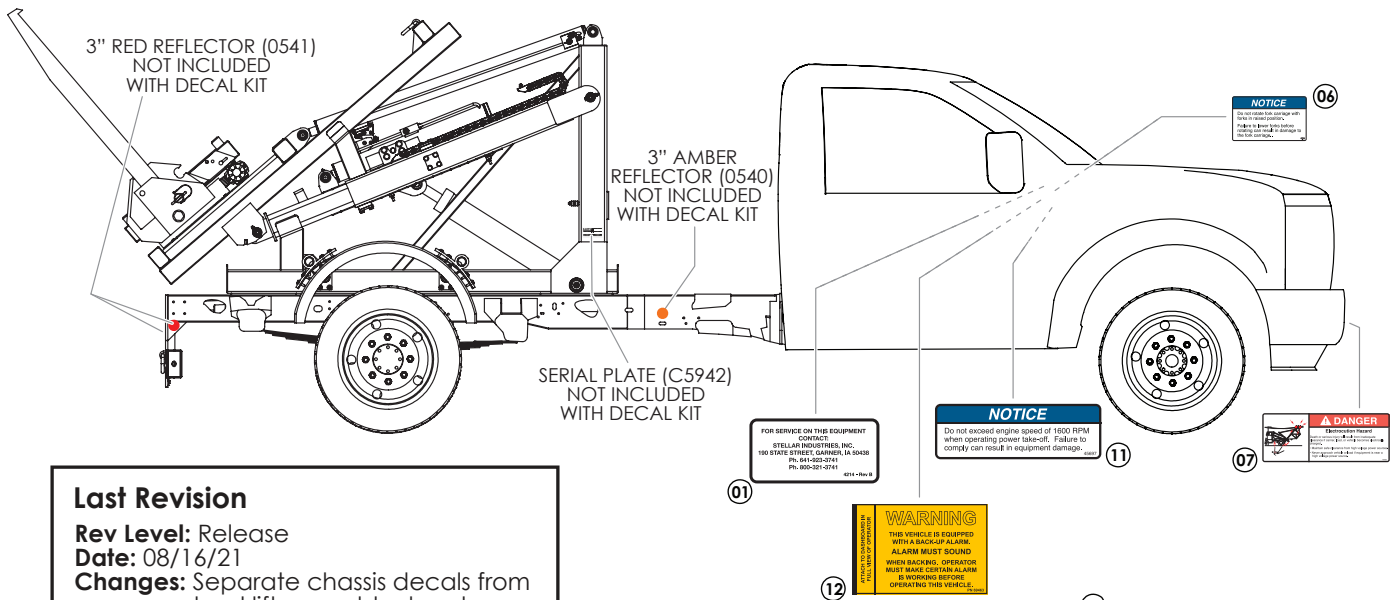
Note: Model ECCR Show. Models CC and CCR feature similar placement.

PLACE ON
HYDRAULIC
RESERVOIR

PN 52904

ITEM	PART No.	DESCRIPTION	QTY.
01	53850	DECAL STELLAR LOGO 4.00X11.50	2
02	25627	DECAL CRUSH POINT	4
03	45726	DECAL WARNING HYDRAULIC SAFETY 74-276	1
04	45971	DECAL DNGRSTAND CLEAR, KPCC 74-346	2
05	45974	DECAL CAUTION-OPERATING INSTR 74-345	1
06	45975	DECAL CAUTION-FORK CARRIAGE K74-328	1
07	45976	DECAL DNGR WATCH ELEC LINES K74-347	1
08	42971	DECAL OIL FILTER CHANGE	1
09	4214	DECAL CONTACT STELLAR	1
10	35234	DECAL STELLAR MADE IN THE USA	1
11	52903	DECAL VB CONTROL 4 SECT	1
12	53811	DECAL VB CONTROL 3 SECT	1
13	53812	DECAL VB CONTROL 2 SECT	1

Step 16B: Apply Chassis Decals

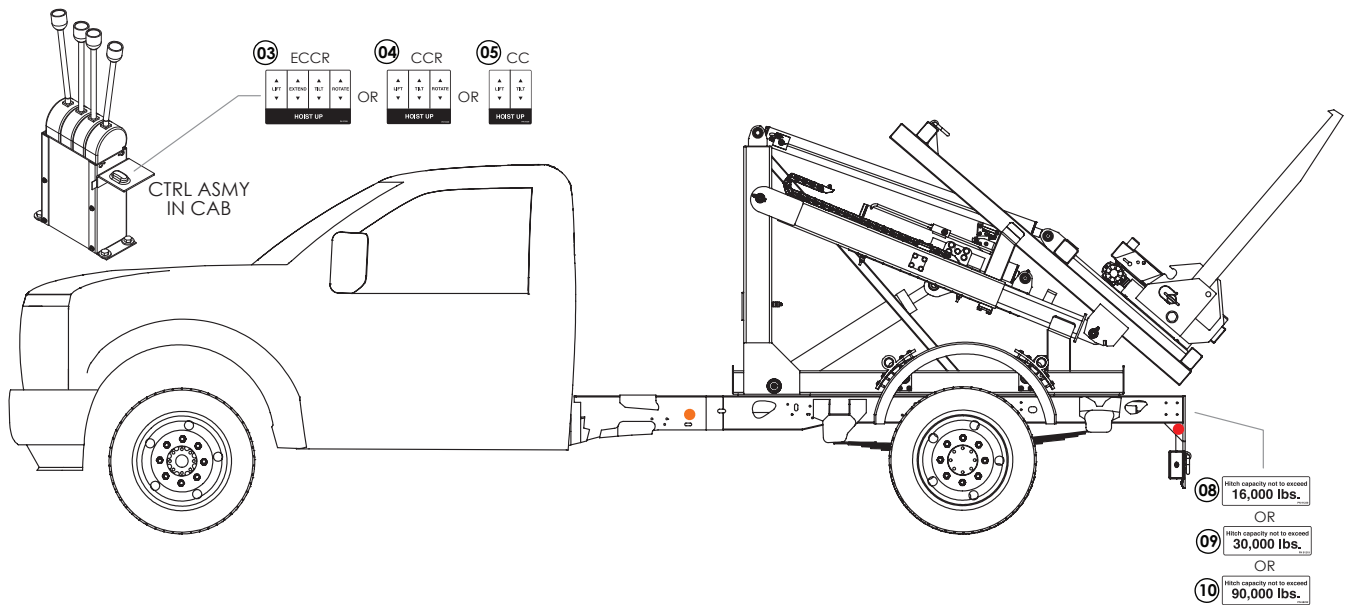


Last Revision

Rev Level: Release

Date: 08/16/21

Changes: Separate chassis decals from hooklift assembly decals.



PN 121014

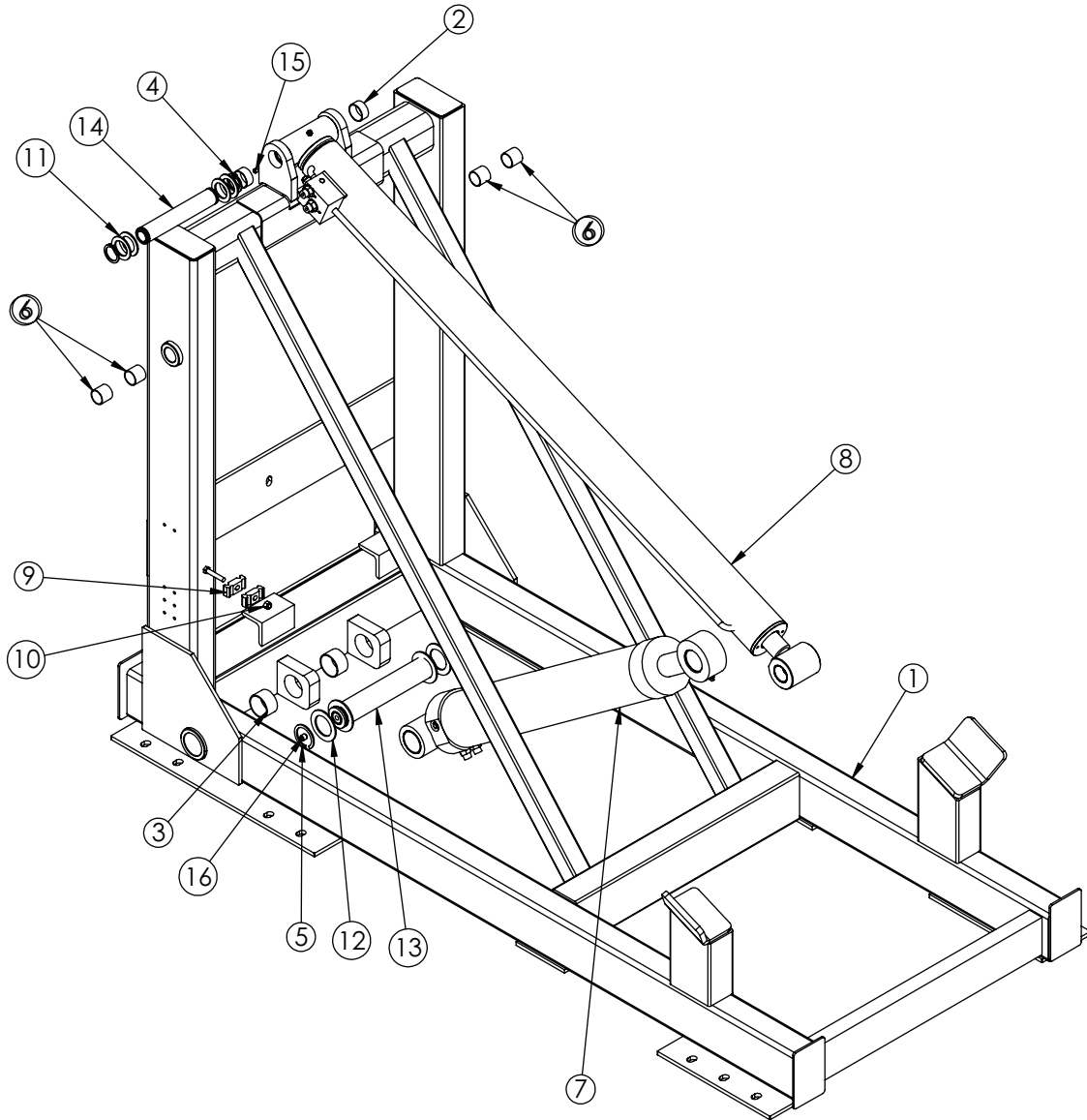
ITEM	PART No.	DESCRIPTION	SUGGESTED LOCATION	QTY.
01	4214	DECAL CONTACT STELLAR	IN CAB	1
02	53850	DECAL STELLAR LOGO 4.00X11.50	SHIPPED LOOSE - OPTIMAL PLACEMENT	1
03	57228	DECAL INSIDE CONTROL 4 SECT	SELECT APPROPRIATE CONTROL DECAL; PLACE NEAR CONTROLS IN CAB; DISCARD OTHERS	1
04	57229	DECAL INSIDE CONTROL 3 SECT		1
05	57230	DECAL INSIDE CONTROL 2 SECT		1
06	45975	DECAL CAUTION-FORK CARRIAGE K74-328	IN CAB	1
07	79985	DECAL DANGER ELECTROCUTION	FRONT BUMPER - STREET SIDE OR REAR BUMPER - CURB SIDE	1
08	91220	DECAL HITCH CAPACITY 16K	SELECT APPROPRIATE CAPACITY; REAR BUMPER - ABOVE PINTLE LOCATION; DISCARD OTHERS	1
09	91219	DECAL HITCH CAPACITY 30K		1
10	68222	DECAL HITCH CAPACITY 90K		1
11	45697	ENGINE SPEED PTO CAUTION	IN CAB	1
12	69463	DECAL BACK-UP ALARM VERIFY	IN CAB	1

Chapter 3 - Assembly Drawings

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Base Assembly - PN 51313

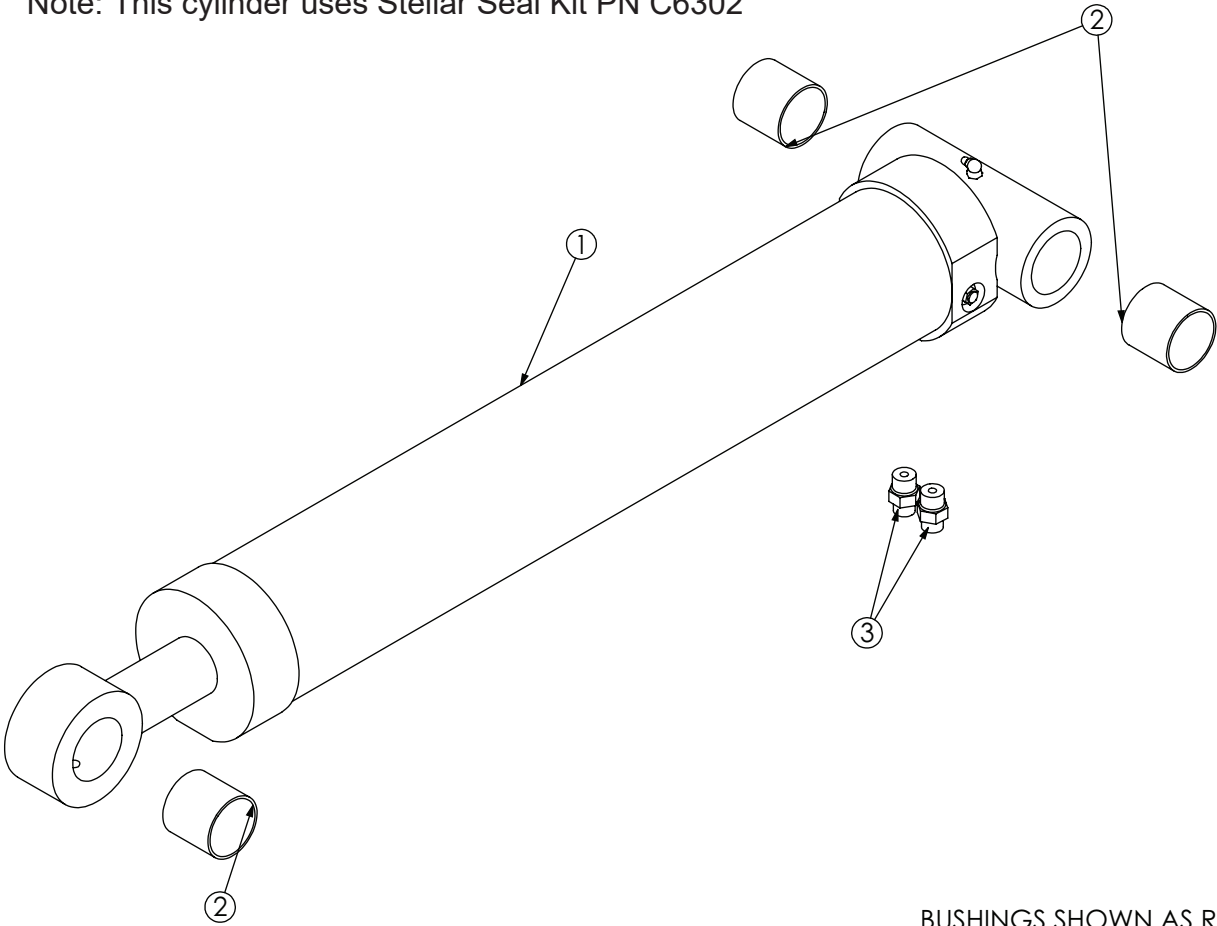


PN 51313

ITEM	PART No.	DESCRIPTION	QTY.
1	51222	BASE ECCR	1
2	21810	BUSHING BPC24DXR12 1.50X.75	2
3	23699	BUSHING BPC32DXR20 2.00X1.25	2
4	0246	SNAP RING ID 7200 150	2
5	0108	SNAP RING ID 2.00 7200-200	2
6	0249	BUSHING BPC20DXR20 1.25X1.25	4
7	23462	CYLINDER ASM 4.00X26.50	1
8	51394	CYLINDER ASM 3.50X55.19	1
9	8622	CLAMP HOSE/TUBE AG-2	4
10	0347	NUT 0.38-16 HHGR5 NYLOC	2
11	0426	MACHY WASHER 1.50ID 10GA	4
12	0427	MACHY WASHER 2.00ID 10GA	4
13	38833ZP	PIN 2.00X11.38 SR	1
14	35808ZP	PIN 1.50X8.75 SR	1
15	C3397	SET SCREW 0.38-16X0.38 W/ RED PATCH	1
16	58052	SET SCREW 0.50-16X0.50 W/ RED PATCH	1

Lift Cylinder Assembly - PN 23462

Note: This cylinder uses Stellar Seal Kit PN C6302



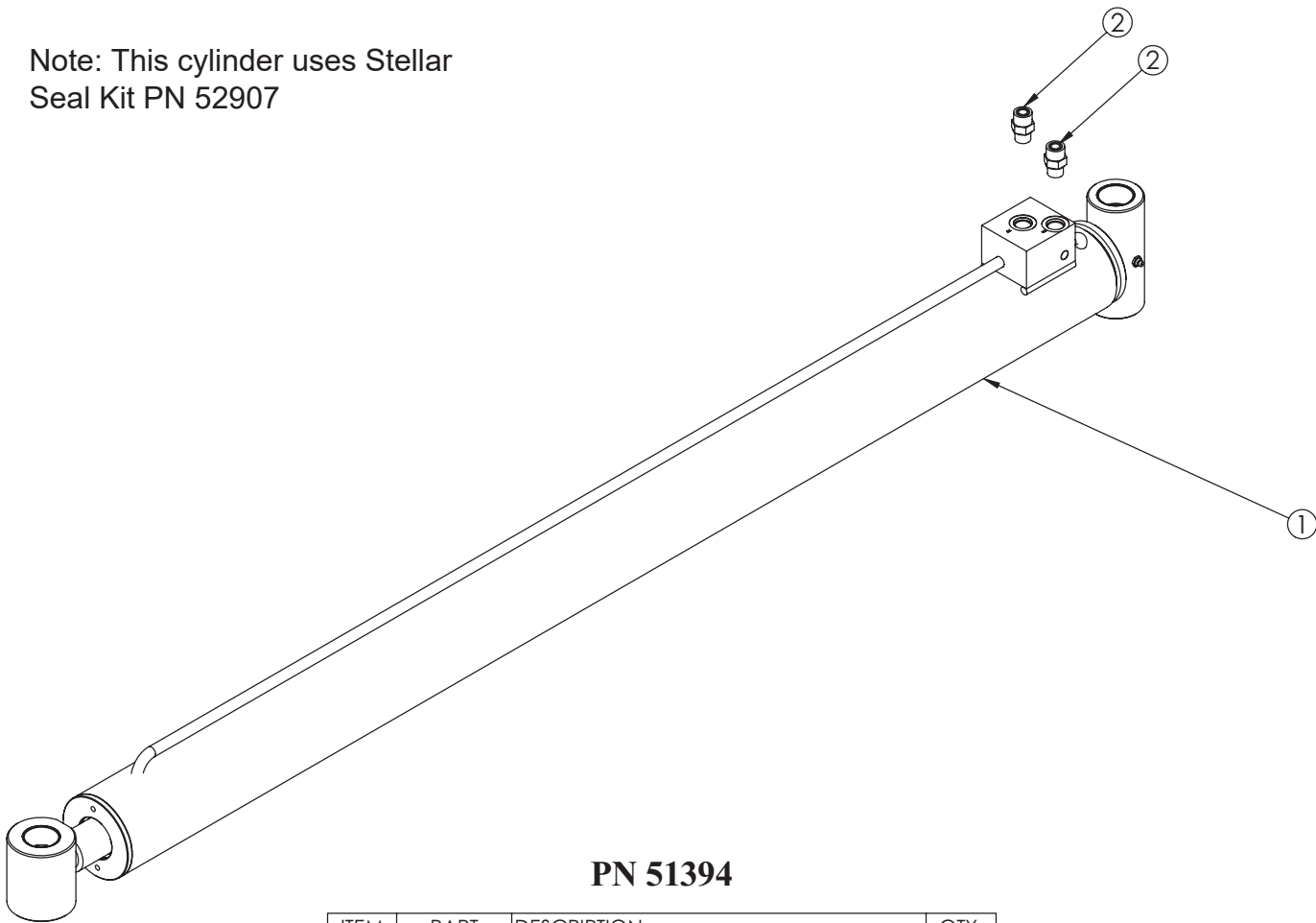
BUSHINGS SHOWN AS REFERENCE

PN 23462

ITEM	PART	DESCRIPTION	QTY.
1	0822	CYLINDER 4.00X26.50	1
2	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	3
3	C1854	FTG 6-8 MFS-MORB STRAIGHT	2

Tilt Cylinder Assembly - PN 51394

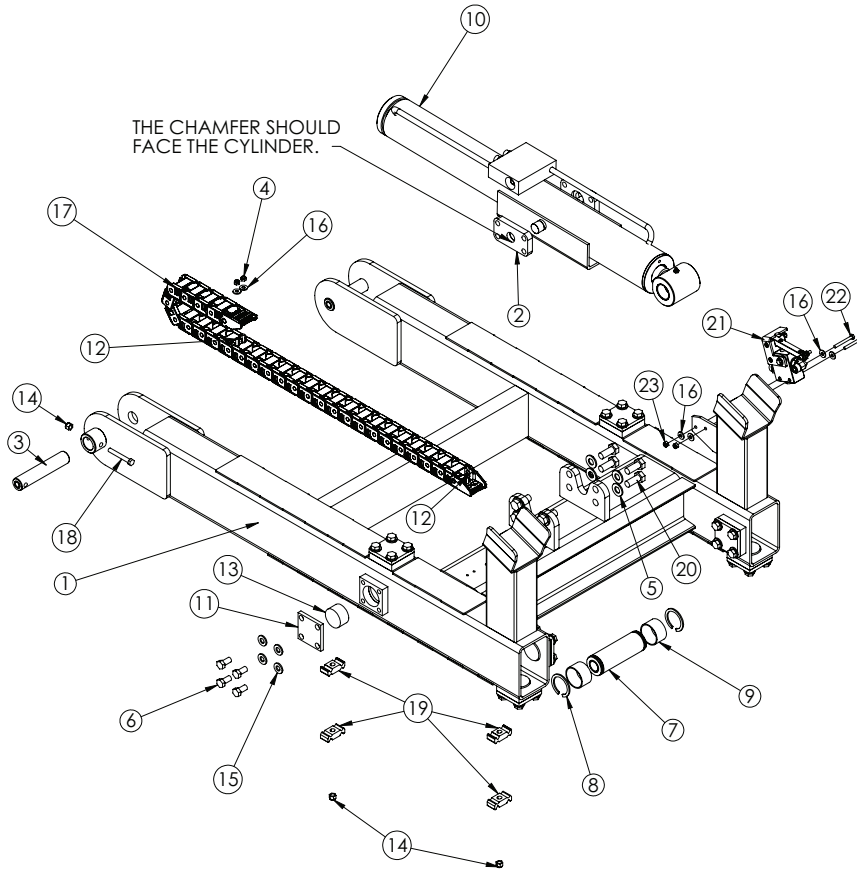
Note: This cylinder uses Stellar Seal Kit PN 52907



PN 51394

ITEM	PART	DESCRIPTION	QTY.
1	51393	CYLINDER 3.50X55.19	1
2	1554	FTG ADAPT 8-F5OLO-S	2

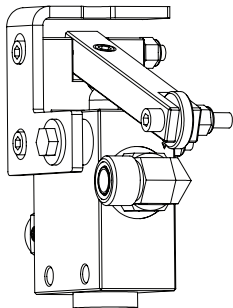
Lift Frame Assembly - PN 51385



PN 51385

ITEM	PART	DESCRIPTION	QTY.
1	51315	LIFT FRAME SICHR EXT	1
2	51442	PLATE CYLINDER MTG SICHR EXT PC BLACK	2
3	51391CR	PIN 1.25X6.38 W/HOLE	2
4	30659	NUT 0.25-20 HH NYLOC SS	2
5	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	8
6	10172	CAP SCR 0.50-13X1.00 HHGR8 ZY	32
7	51392CR	PIN 2.00X6.00 SR	1
8	0108	SNAP RING 2.00 7200-200	2
9	23699	BUSHING BPC32DXR20 2.00X1.25	2
10	51396	CYLINDER ASM 3.50X30.00	1
11	52554	PLATE WEAR PAD SUPPORT ECCR PC BLACK	8
12	C6021	CAP SCR 0.25-20X0.75 BTNHD SS	4
13	9363	WEAR PAD 1.12X2.00 RND NYLATRON	8
14	0347	NUT 0.38-16 HHGR5 NYLOC	4
15	D0790	WASHER 0.50 SAE FLAT YELLOW GR8	32
16	0340	WASHER 0.25 USS FLAT	6
17	51511	HOSE TRACK CONTAINER CARRIER EXT	1
18	0530	CAP SCR 0.38-16X2.75 HHGR5	2
19	8622	CLAMP HOSE/TUBE AG-2	4
20	0356	CAP SCR 0.63-11X1.50 HHGR8	8
21	98317	VALVE PLUNGER VILLA HYD NORMALLY OPEN FOR ECCR	1
22	0438	CAP SCR 0.25-20X2.25 HHGR5	2
23	0333	NUT 0.25-20 HHGR5 NYLOC	2

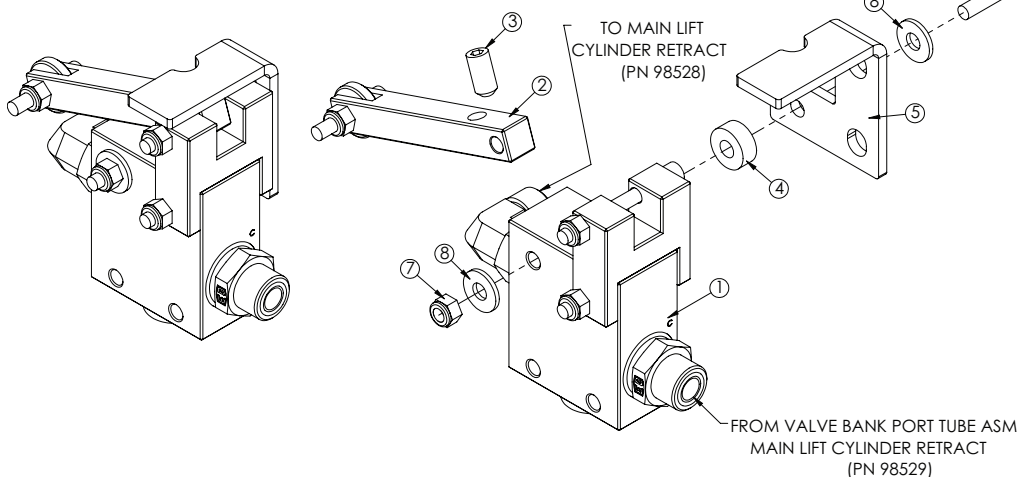
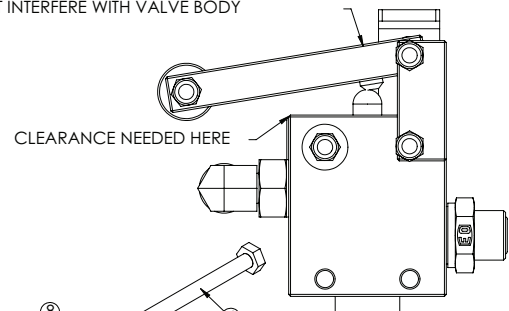
Plunger Valve Assembly - PN 98317



ADJUST SET SCREW SO THAT WHEN THE TILT FRAME IS SITTING IN THE SADDLE THE PLUNGER ARM HAS CLEARANCE BELOW AND DOES NOT INTERFERE WITH VALVE BODY

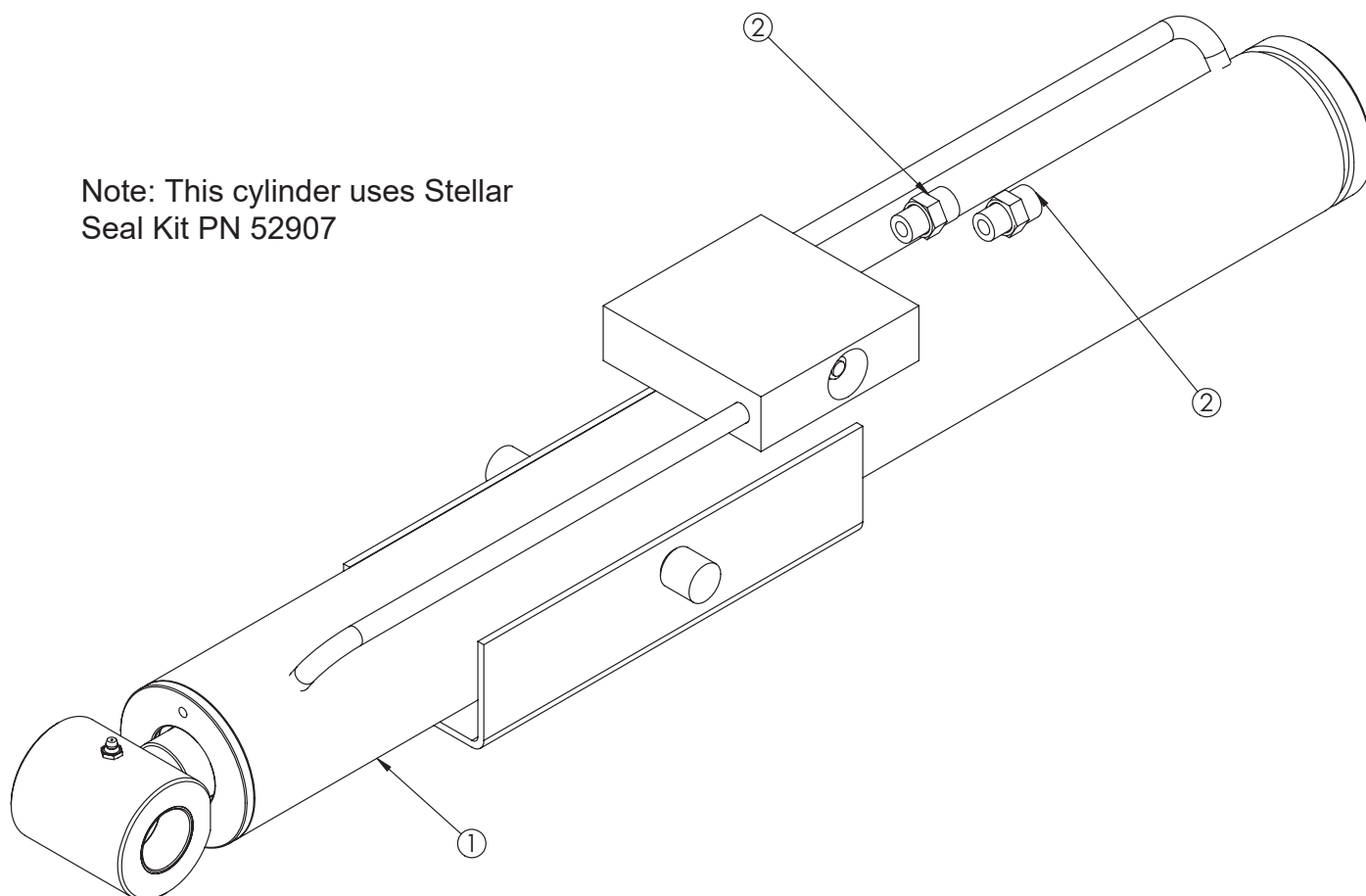
PN 98317

ITEM	PART No.	DESCRIPTION	QTY.
1	56570	VALVE PLUNGER VILLA HYD NORMALLY OPEN	1
2	98325	LEVER ARM ASM W/ D&T	1
3	86161	SET SCREW 0.38-16X0.75 W/ RED PATCH	1
4	60348	COLLAR 0.31X0.75X0.31 UHMW	1
5	60470	BRKT PLUNGER VILLA HYD VALVE PC BLACK	1
6	0339	CAP SCR 0.25-20X2.50 HHGR5	1
7	0333	NUT 0.25-20 HHGR5 NYLOC	1
8	0340	WASHER 0.25 USS FLAT	2
9	57735	FTG 8-8 MBSPP-MFS STRAIGHT	1
10	65581	FTG 8-8 MFS-MBSPP 90	1



Extension Cylinder Assembly - PN 51396

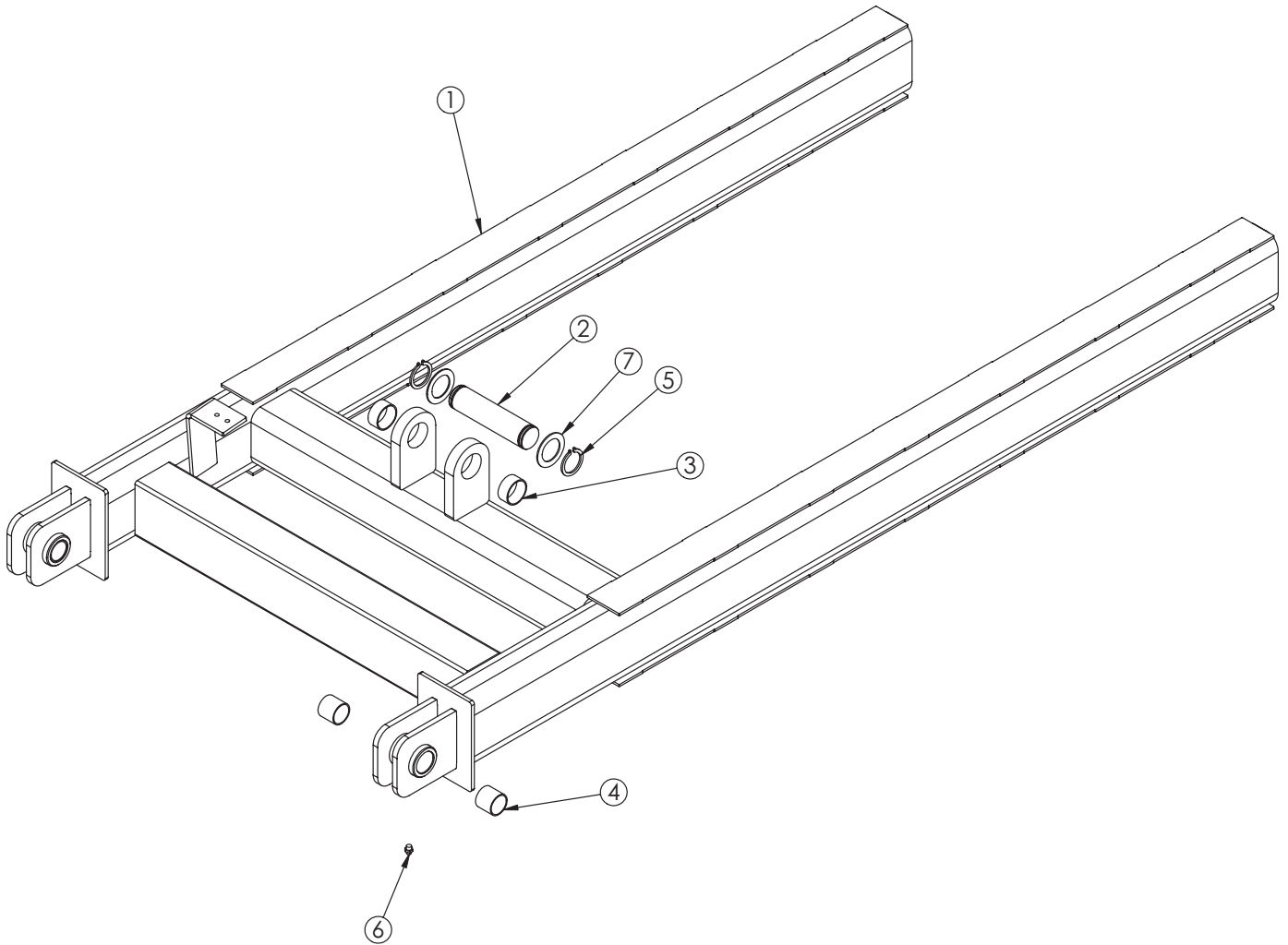
Note: This cylinder uses Stellar Seal Kit PN 52907



PN 51396

ITEM	PART	DESCRIPTION	QTY.
1	51395	CYLINDER 3.50X30.00	1
2	1554	FTG ADAPT 8-F5OLO-S	2

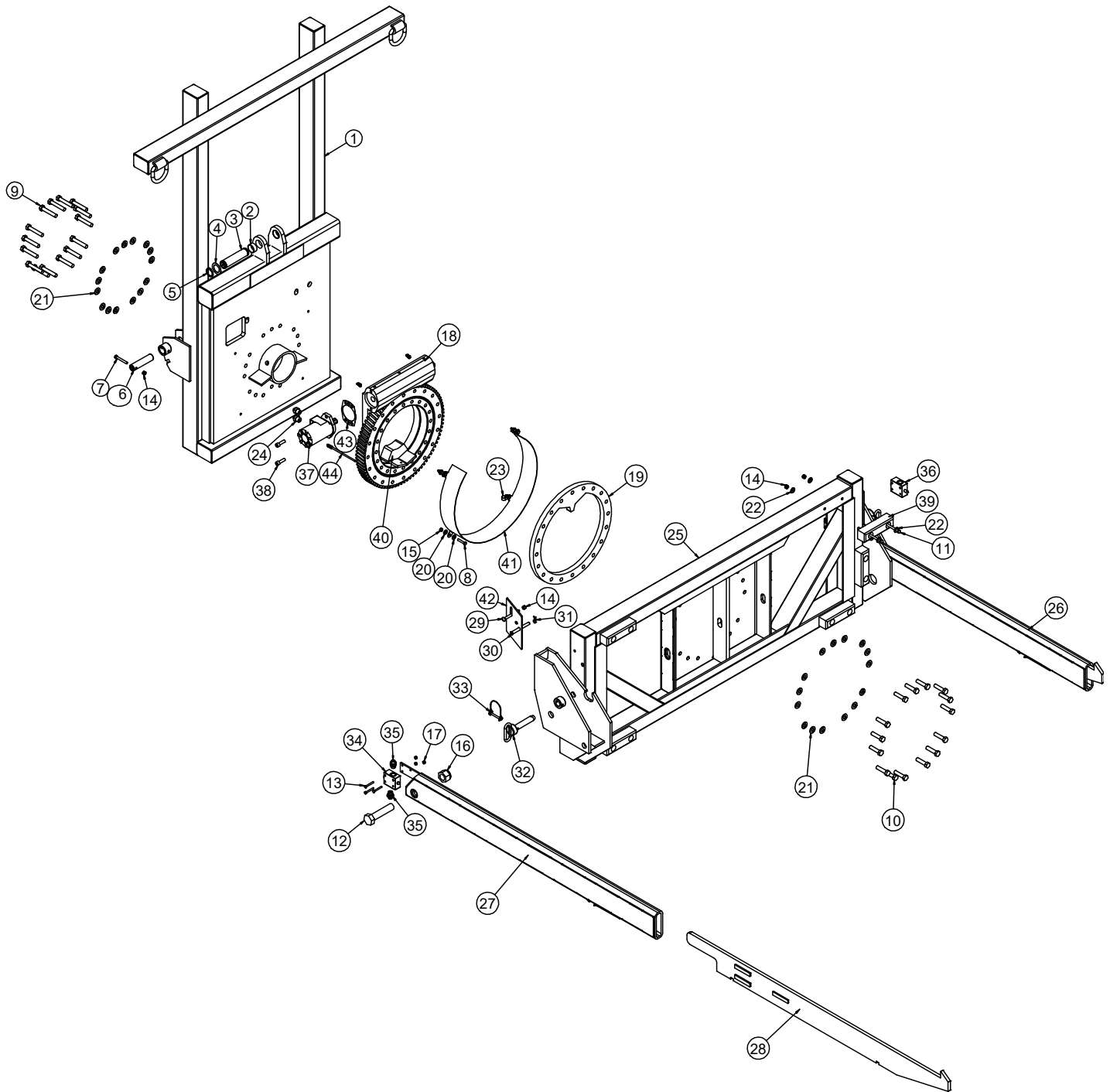
Inner Lift Frame Assembly - PN 51397



PN 51397

ITEM	PART	DESCRIPTION	QTY.
1	51214	LIFT FRAME SICHR EXT	1
2	51309	PIN 1.50X6.13 SR	1
3	21810	BUSHING BPC24DXR12 1.50X.75	2
4	0249	BUSHING BPC20DXR20 1.25X1.25	4
5	0246	SNAP RING ID 7200 150	2
6	c1592	ZERK 1/8 NPT STRAIGHT	2
7	0376	MACHY WASHER 1.50ID 14GA	2

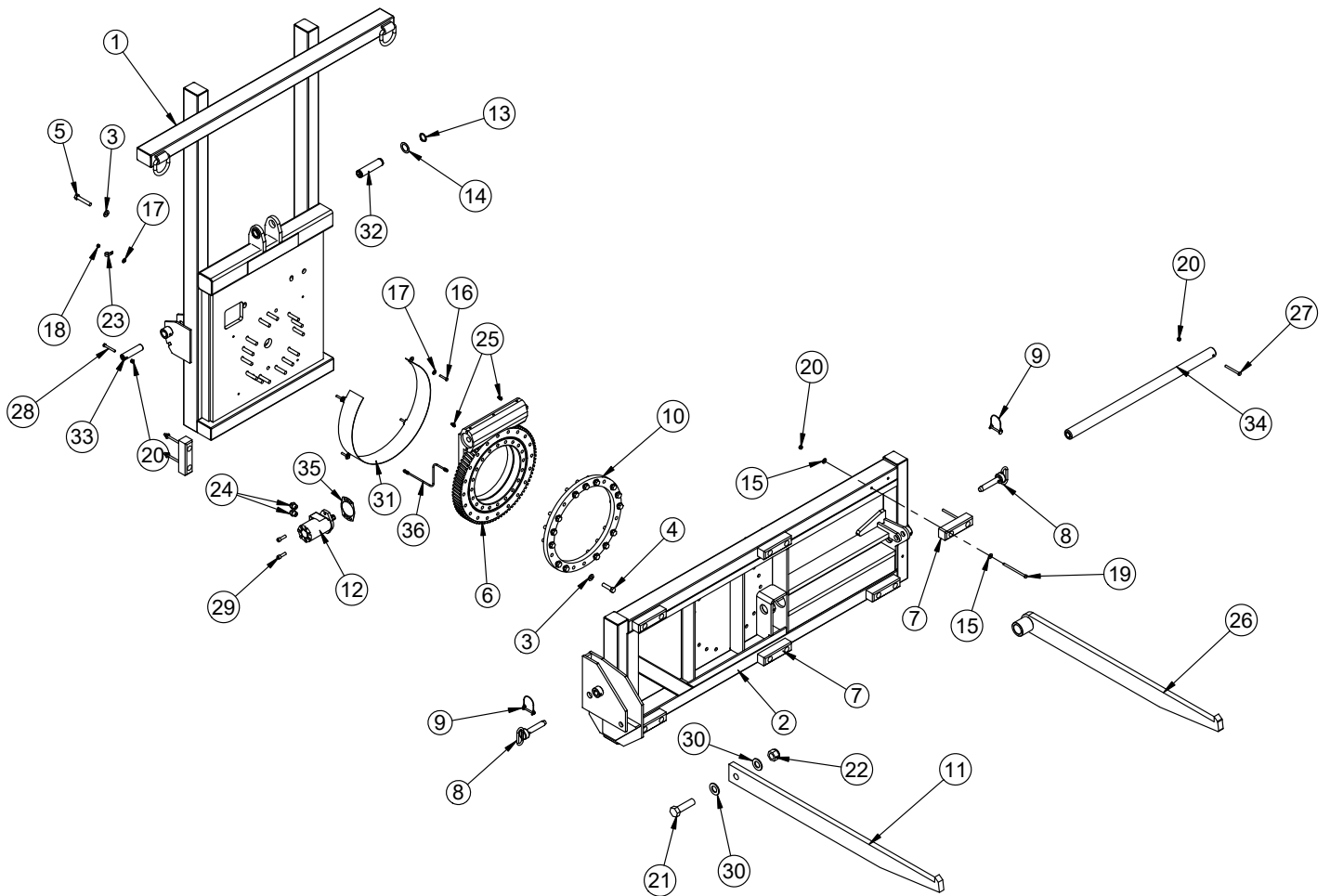
Extendable Fork Frame Asm - 57775



Extendable Fork Frame Asm - 57775 Parts List

PN 57775			
ITEM	PART	DESCRIPTION	QTY
1	57793	FORK FRAME ECCR EXTENDABLE FORKS	1
2	21810	BUSHING BPC24DXR12 1.50X.75	2
3	51309CR	PIN 1.50X6.13 SR	1
4	0376	MACHY WASHER 1.50ID 14GA	2
5	0246	SNAP RING ID 7200 150	2
6	51311CR	PIN 1.25X5.13 W/ HOLE	2
7	0530	CAP SCR 0.38-16X2.75 HHGR5	2
8	0487	CAP SCR 0.31-18X1.75 HHGR5	4
9	D1312	CAP SCR 0.63-11X3.50 HHGR8	15
10	C1026	CAP SCR 0.63-11X2.50 HHGR8	15
11	C0936	CAP SCR 0.38-16X6.00 HHGR5	12
12	57798	CAP SCR 1.25-7X5.50 HHGR8	2
13	0481	CAP SCR 0.25-20X2.00 HHGR5	6
14	0347	NUT 0.38-16 HHGR5 NYLOC	16
15	0342	NUT 0.31-18 HHGR5 NYLOC	4
16	5223	NUT 1.25-7 HHGR5 NYLOC	2
17	0333	NUT 0.25-20 HHGR5 NYLOC	6
18	4032	BEARING SWING DRIVE 6000	1
19	55837	PLATE SPACER FORK INTEGRAL STOP TAB	1
20	0343	WASHER 0.31 USS FLAT	8
21	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	30
22	0346	WASHER 0.38 USS FLAT	24
23	C0078	CLAMP 0.38 BLK VINYL	1
24	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
25	53902	CARRIAGE FRAME WLDMT EXTENDABLE FORKS	1
26	54267	FORK OUTER TUBE WLDMT CS	1
27	54048	FORK OUTER TUBE WLDMT	1
28	54053	FORK INNER WLDMT EXTENDABLE FORKS	2
29	50003	BOLT CARRIAGE 0.38X4.00	2
30	45121	PIN 0.50X4.50 CLEVIS	2
31	47472	HAIR PIN CLIP 0.13X1.56	2
32	45125	PIN HITCH 1.00 FORK KPCC	2
33	45216	PIN 0.31X2.75 WIRE LOCK	2
34	53853	VALVE PLUNGER VILLA HYD NORMALLY CLOSED	1
35	57734	FTG 8-6 MBSP-P-MFS STRAIGHT	4
36	56570	VALVE PLUNGER VILLA HYD NORMALLY OPEN	1
37	11458	MOTOR HYD 10 CU IN/ PNT BLK	1
38	62484	CAP SCR 12MMX40MM SH	2
39	62662	WEAR PAD 2.00X2.00X7.69	6
40	57778	STOP WLDMT SLIDE EXTENDABLE FORKS PC BLACK	1
41	50481	GUARD CONT CARRIER LZR	1
42	45079	PLATE 0.25 KPCC TRUNNION STOP PC BLACK	2
43	21151	GASKET MOTOR 008-10056-1	1
44	104018	HARDWARE KIT BASE ASM 30IN GREASE LINE	1

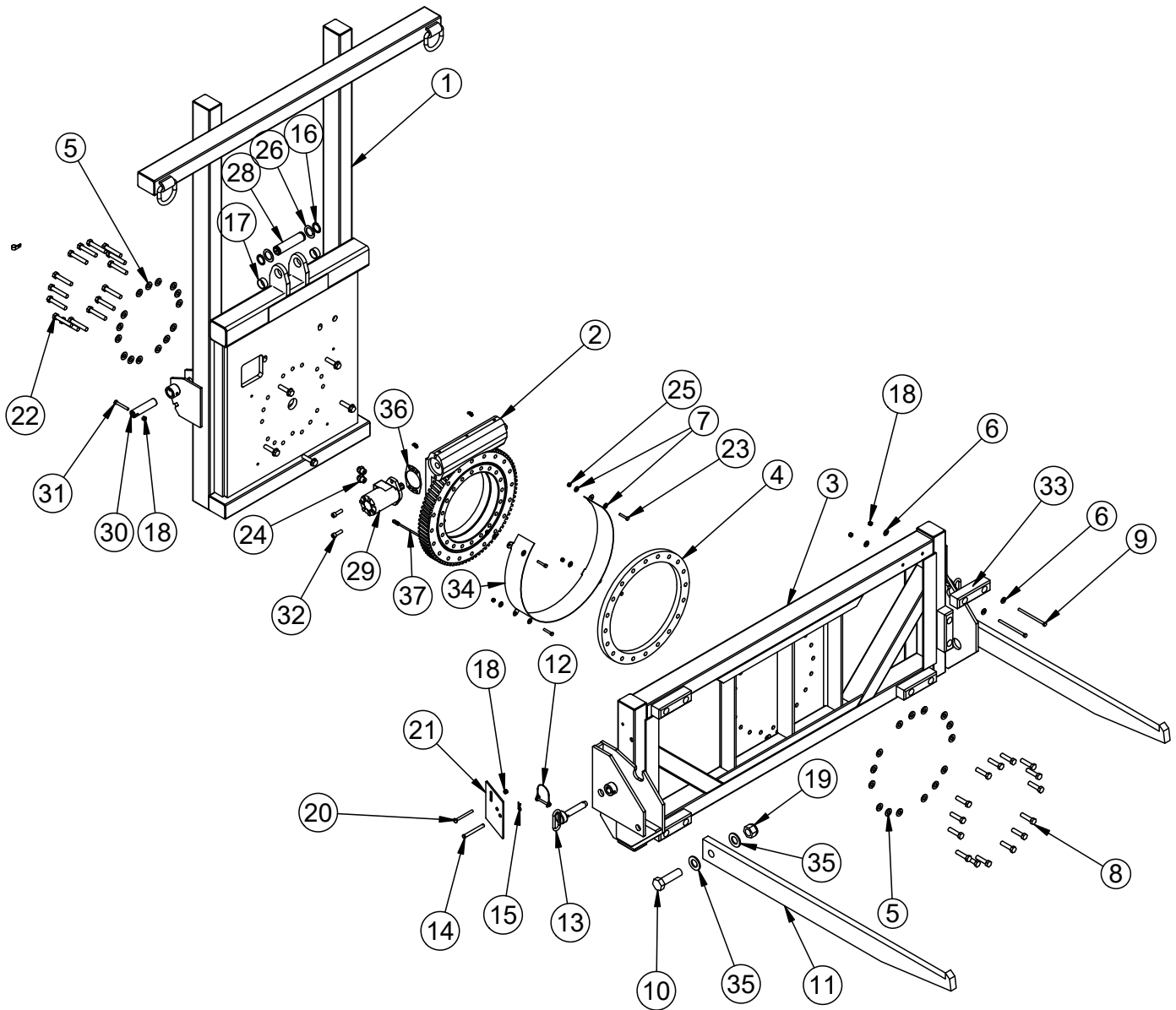
Adjustable Fork Frame Assembly - PN 58145



Adjustable Fork Frame Assembly - PN 58145 Parts List

PN 58145			
ITEM	PART	DESCRIPTION	QTY
1	51205	FORK FRAME ECCR	1
2	59190	CARRIAGE FRAME WLDMT ROTATOR ECCR ADJ 48-76.50	1
3	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	44
4	C1026	CAP SCR 0.63-11X2.50 HHGR8	15
5	D1312	CAP SCR 0.63-11X3.50 HHGR8	15
6	4032	BEARING SWING DRIVE 6000	1
7	62662	WEAR PAD 2.00X2.00X7.69	7
8	45125	PIN HITCH 1.00 FORK KPCC	2
9	45216	PIN 0.31X2.75 WIRE LOCK	2
10	47489	PLATE SPACER FORK KPAC	1
11	51307	PLATE FORK CONTAINER CARRIER EXT	1
12	11458	MOTOR HYD 10 CU IN/ PNT BLK	1
13	0246	SNAP RING ID 7200 150	2
14	0376	MACHY WASHER 1.50ID 14GA	2
15	0346	WASHER 0.38 USS FLAT	28
16	0487	CAP SCR 0.31-18X1.75 HHGR5	4
17	0343	WASHER 0.31 USS FLAT	8
18	0342	NUT 0.31-18 HHGR5 NYLOC	4
19	C0936	CAP SCR 0.38-16X6.00 HHGR5	14
20	0347	NUT 0.38-16 HHGR5 NYLOC	17
21	45120	CAP SCR 1.25-7X4.50 HHGR8	1
22	5223	NUT 1.25-7 HHGR5 NYLOC	1
23	C0078	CLAMP 0.38 BLK VINYL	1
24	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
25	C5644	ZERK 1/8 NPT 45 DEG	2
26	58147	PLATE FORK WLDMNT CONTAINER CARRIER ADJ	1
27	0532	CAP SCR 0.38-16X3.75 HHGR5	1
28	0530	CAP SCR 0.38-16X2.75 HHGR5	2
29	62484	CAP SCR 12MMX40MM SH	2
30	9180	WASHER 1.25 SAE FLAT YELLOW GR8	2
31	50481	GUARD CONT CARRIER LZR	1
32	51309CR	PIN 1.50X6.13 SR	1
33	51311CR	PIN 1.25X5.13 W/ HOLE	2
34	59191CR	PIN STOP CONTAINER CARRIER ADJ 48-76.50 ZC	1
35	21151	GASKET MOTOR 008-10056-1	1
36	104018	HARDWARE KIT BASE ASM 30IN GREASE LINE	1
REV. C			

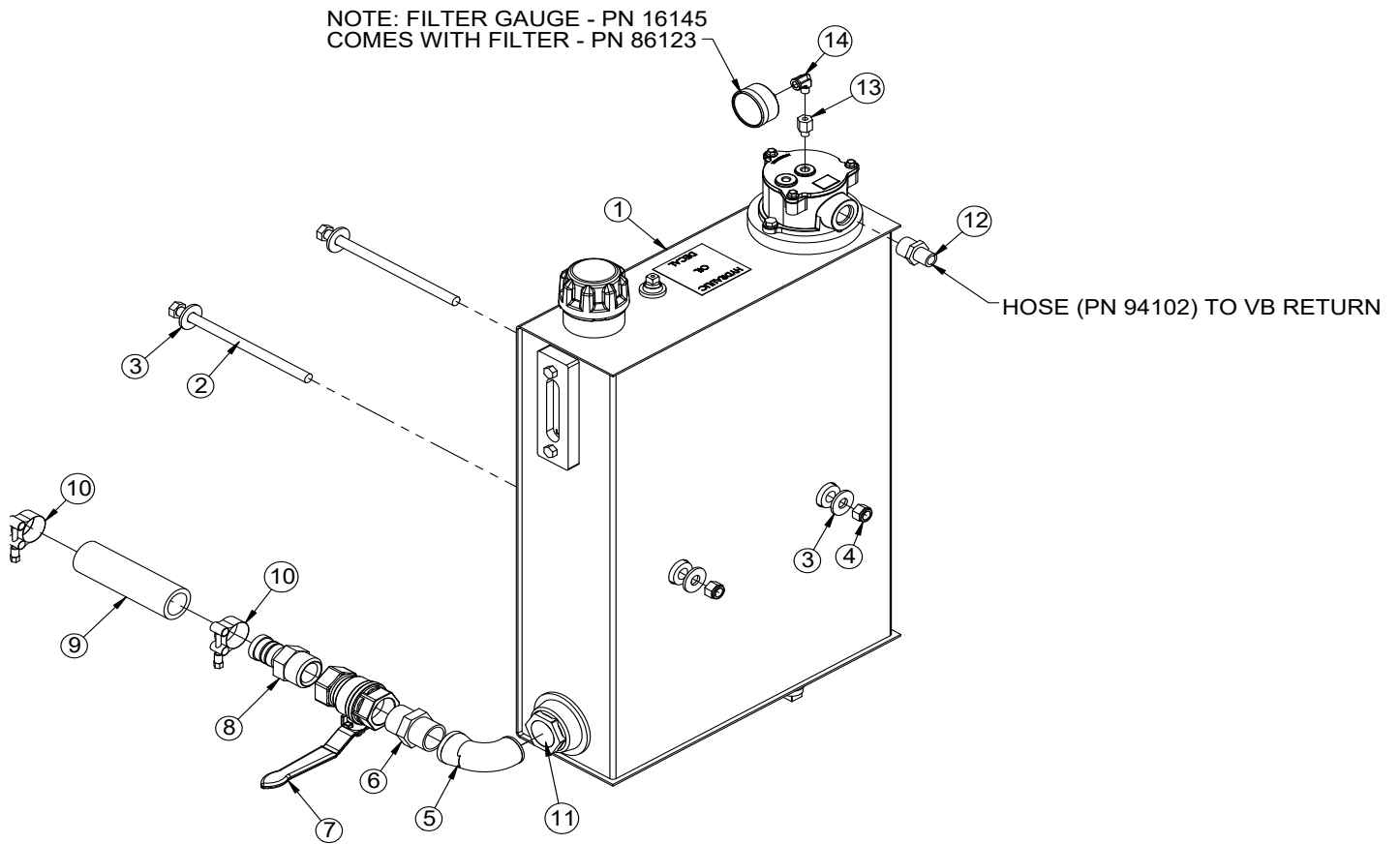
Fork Frame Assembly - PN 51308



Fork Frame Assembly - PN 51308 Parts List

PN51308			
ITEM	PART	DESCRIPTION	QTY
1	51205	FORK FRAME ECCR	1
2	4032	BEARING SWING DRIVE 6000	1
3	51303	CARRIAGE FRAME WLDMT ROTATOR EXT	1
4	47489	PLATE SPACER FORK KPAC	1
5	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	49
6	0346	WASHER 0.38 USS FLAT	24
7	0343	WASHER 0.31 USS FLAT	8
8	C1026	CAP SCR 0.63-11X2.50 HHGR8	20
9	C0936	CAP SCR 0.38-16X6.00 HHGR5	12
10	45120	CAP SCR 1.25-7X4.50 HHGR8	2
11	51307	PLATE FORK CONTAINER CARRIER EXT	2
12	45216	PIN 0.31X2.75 WIRE LOCK	2
13	45125	PIN HITCH 1.00 FORK KPCC	2
14	45121	PIN 0.50X4.50 CLEVIS	2
15	47472	HAIR PIN CLIP 0.13X1.56	2
16	0246	SNAP RING ID 7200 150	2
17	21810	BUSHING BPC24DXR12 1.50X.75	2
18	0347	NUT 0.38-16 HHGR5 NYLOC	16
19	5223	NUT 1.25-7 HHGR5 NYLOC	2
20	50003	BOLT CARRIAGE 0.38X4.00	2
21	45079	PLATE 0.25 KPCC TRUNNION STOP PC BLACK	2
22	D1312	CAP SCR 0.63-11X3.50 HHGR8	15
23	0487	CAP SCR 0.31-18X1.75 HHGR5	4
24	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
25	0342	NUT 0.31-18 HHGR5 NYLOC	4
26	0376	MACHY WASHER 1.50ID 14GA	2
27	C0078	CLAMP 0.38 BLK VINYL	1
28	51309CR	PIN 1.50X6.13 SR	1
29	11458	MOTOR HYD 10 CU IN/ PNT BLK	1
30	51311CR	PIN 1.25X5.13 W/ HOLE	2
31	0530	CAP SCR 0.38-16X2.75 HHGR5	2
32	62484	CAP SCR 12MMX40MM SH	2
33	62662	WEAR PAD 2.00X2.00X7.69	6
34	50481	GUARD CONT CARRIER LZR	1
35	9180	WASHER 1.25 SAE FLAT YELLOW GR8	4
36	21151	GASKET MOTOR 008-10056-1	1
37	104018	HARDWARE KIT BASE ASM 30IN GREASE LINE	1
REV. I			

Reservoir Assembly - PN 134277

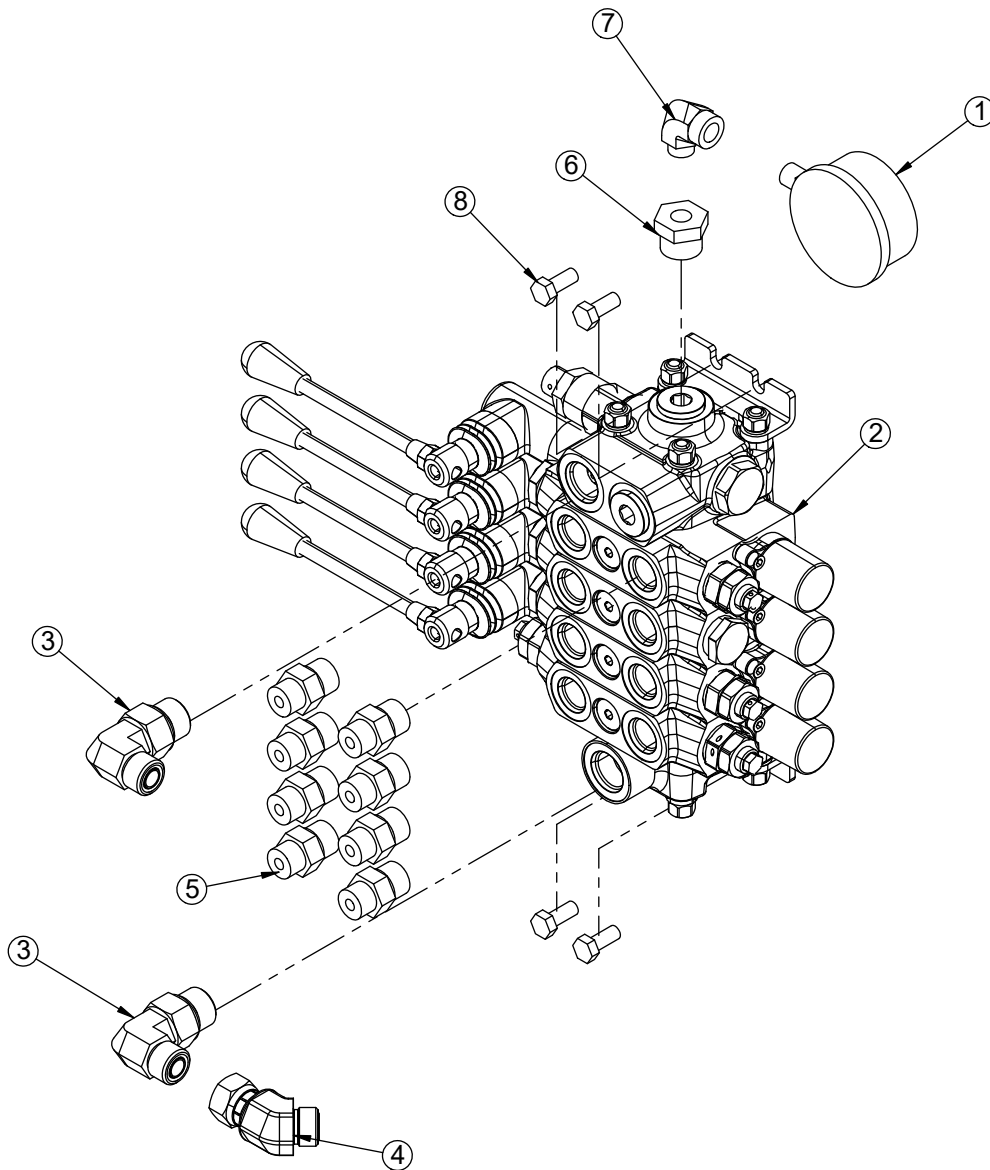


Reservoir Assembly - PN 134277 Parts List

PN 134277			
ITEM	PART	DESCRIPTION	QTY
1	98545	RSRVR ASM 10 GAL BULKHEAD MNT W/TANK TOP FILTER	1
2	48141	CAP SCR 0.50-13X8.50 HHGR5	2
3	0352	WASHER 0.50 USS FLAT	4
4	C6106	NUT 0.50-13 HHGR5 NYLOC	2
5	C4694	ST EL 1.25 90 DEG BLK	1
6	1115	FTG 20-20 MP-MP HEX NIPPLE STRAIGHT	1
7	C5511	VALVE BALL 1.25	1
8	C2282	FTG 1.25 NPT TO 1.25 BARB	1
9	17767	HOSE SUCT 1.25 10FT	1
10	C0075	HOSE CLAMP HC125	2
11	C5552	FILTER STRAINER TFS-1220-0	1
12	C1180	FTG 8-12 MFS-MORB STRAIGHT	1
13	25465	FTG 2-2 MP-FP STRAIGHT EXPANDER	1
14	C4692	FTG 2-2 MP-FP 90	1
REV. INITIAL RELEASE			

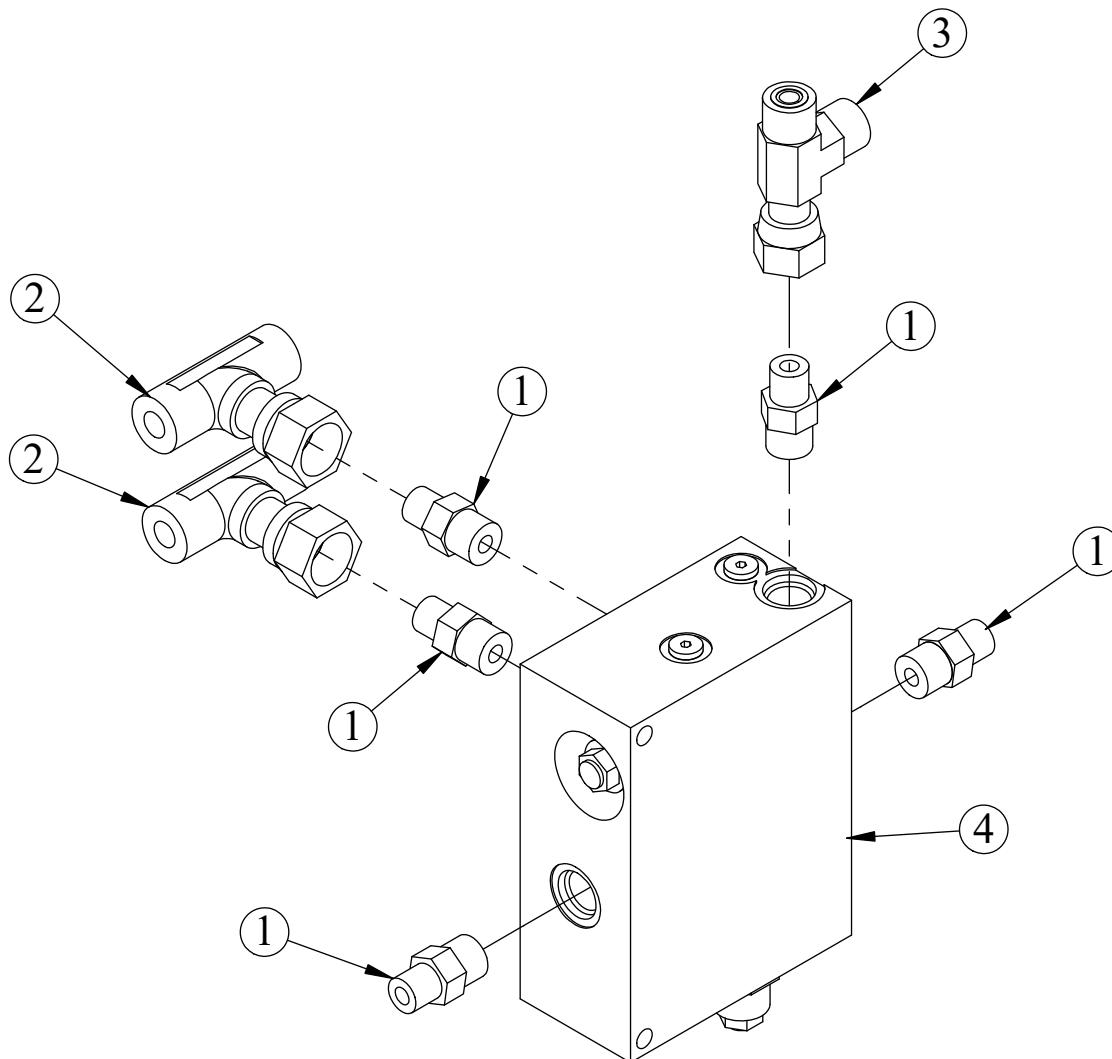
ITEMS NOT SHOWN		
PART	DESCRIPTION	QTY
1554	FTG 8-8 MFS-MORB STRAIGHT	1
31676	HOSE 0.50(4500PSI)-8FFSS SHORT-8FFSS SHORT-120CL	1
D0549	FTG 16-8 MORB-FORB STRAIGHT REDUCER	1
42971	DECAL OIL FILTER CHANGE	1
94102	HOSE 0.50(4500PSI)-8FFSS SHORT-8FFSS SHORT-48CL	1

Reservoir Assembly - VB Detail - PN 134277



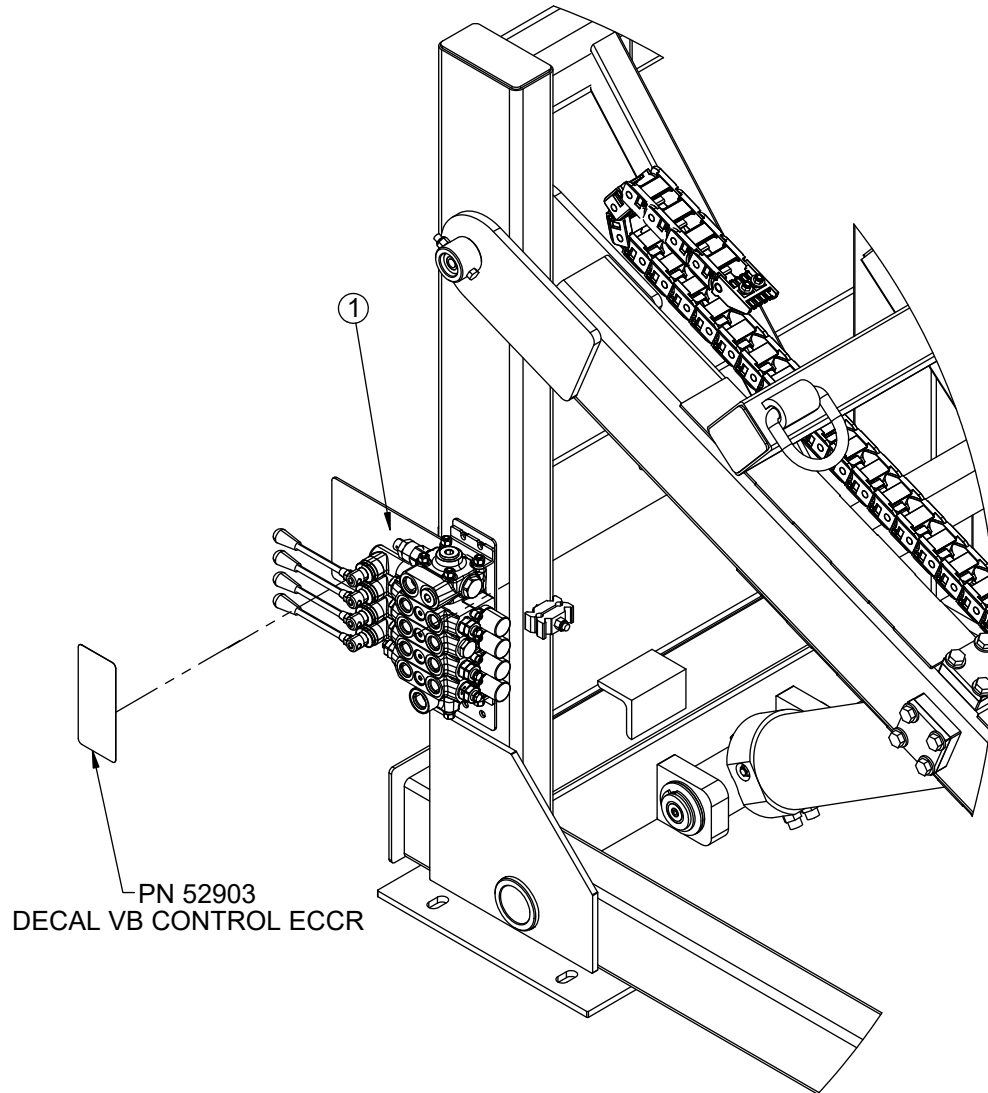
PN 134277 - VB DETAIL			
ITEM	PART	DESCRIPTION	QTY
1	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
2	133981	VB 4 SECT DVS10 CAPPED SPOOLS	1
3	C3643	FTG 8-10 MFS-MAORB 90	2
4	40298	FTG 8-8 MFS-FFSS 45	1
5	C1854	FTG 6-8 MFS-MORB STRAIGHT	8
6	25630	FTG 10-4 MORB-FP STRAIGHT	1
7	C5908	FTG 4-4 MP-FP 90 STREET ELBOW	1
8	420	CAP SCR 0.31-18X0.75 HHGR5	4
REV. INITIAL RELEASE			

Reservoir Assembly - Manifold - PN 134277



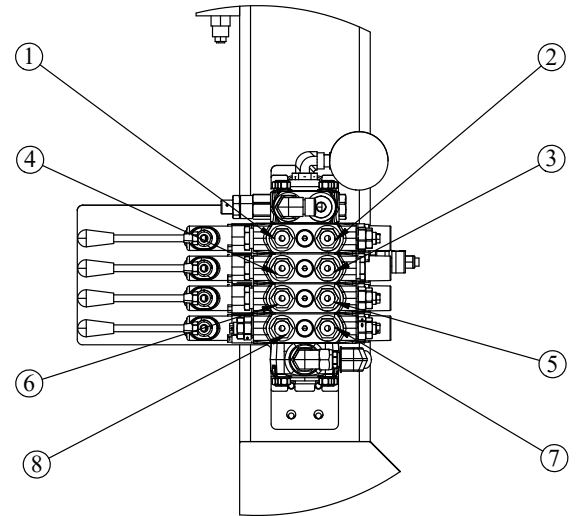
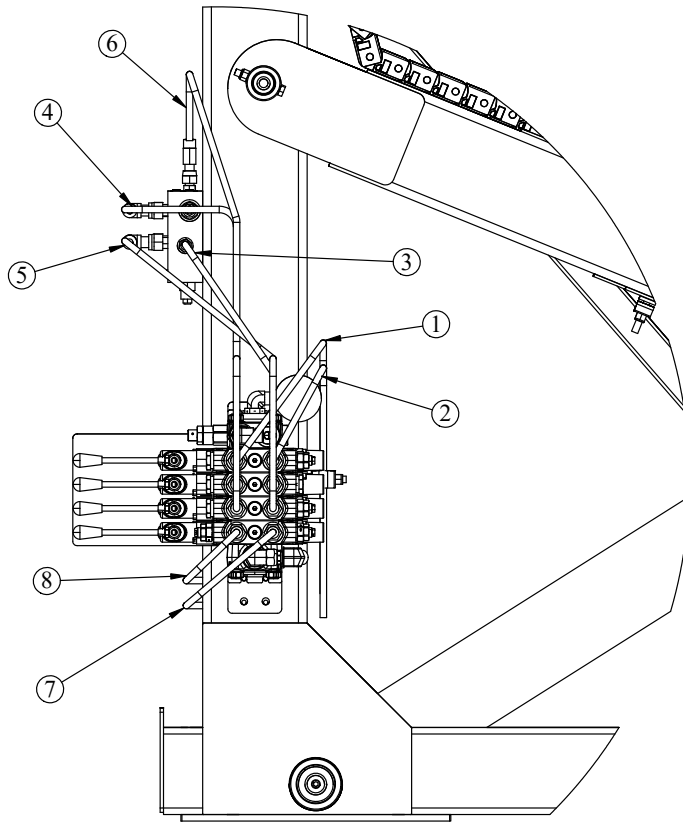
PN 134277 - MANIFOLD			
ITEM	PART	DESCRIPTION	QTY
1	279	FTG 6-6 MFS-MORB STRAIGHT	5
2	D0107	FTG 6-6-6 MFS-MFS-FFSS BRANCH TEE	2
3	C2554	FTG 6-6-6 MFS-FFSS-MFS TEE	1
4	88048	MANIFOLD ASM TILT AND EXTEND	1
REV. INITIAL RELEASE			

Reservoir Assembly - Decal Brkt - PN 134277



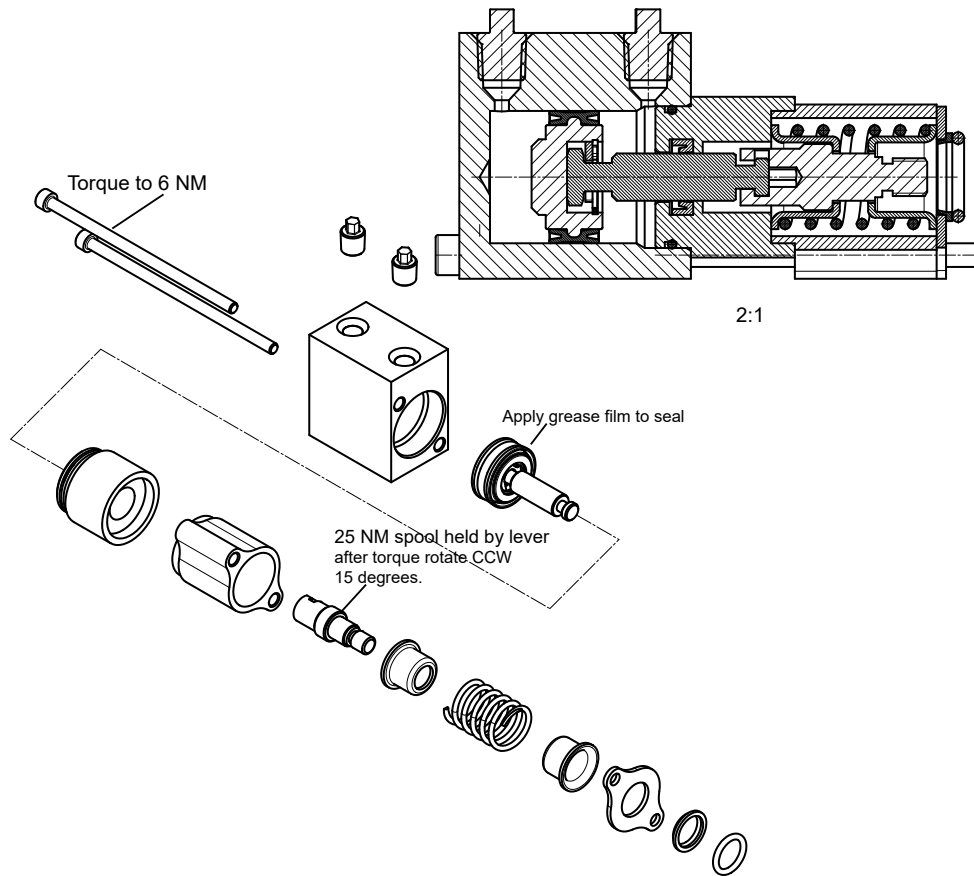
PN 134277 - DECAL BRKT DETAIL			
ITEM	PART	DESCRIPTION	QTY
1	52297	BRKT CTRL DECAL ECCR	1
REV. INTIAL RELEASE			

Reservoir Assembly - Port Tubes - PN 134277

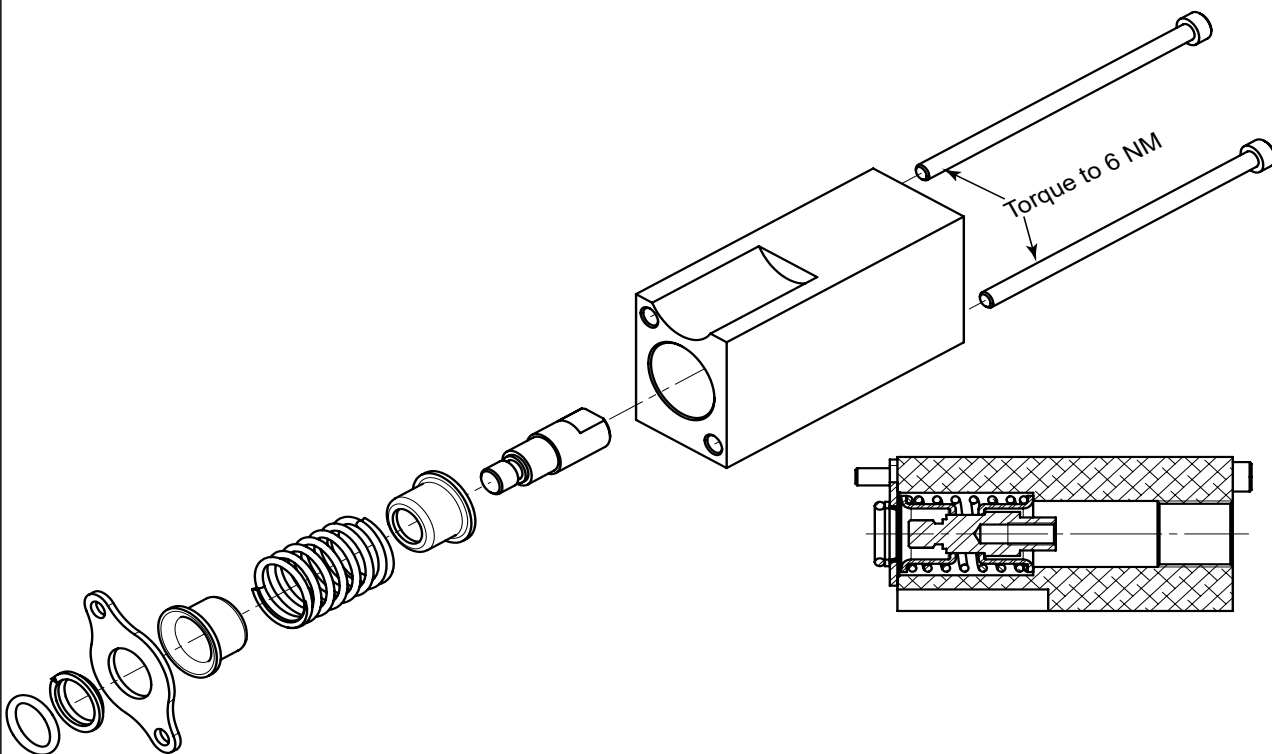


PN 134277 - PORT TUBES			
ITEM	PART	DESCRIPTION	QTY
1	52124	TUBE ASM 0.38 ECCR LIFT EXTEND YZ	1
2	52125	TUBE ASM 0.38 ECCR LIFT RETRACT YZ	1
3	52126	TUBE ASM 0.38 ECCR EXT EXTEND YZ	1
4	52127	TUBE ASM 0.38 ECCR EXT RETRACT YZ	1
5	52128	TUBE ASM 0.38 ECCR TILT EXTEND YZ	1
6	54485	TUBE ASM 0.38 ECCR TILT RETRACT REV A YZ	1
7	52130	TUBE ASM 0.38 ECCR ROTATION CCW YZ	1
8	52131	TUBE ASM 0.38 ECCR ROTATION CW YZ	1
REV. INITIAL RELEASE			

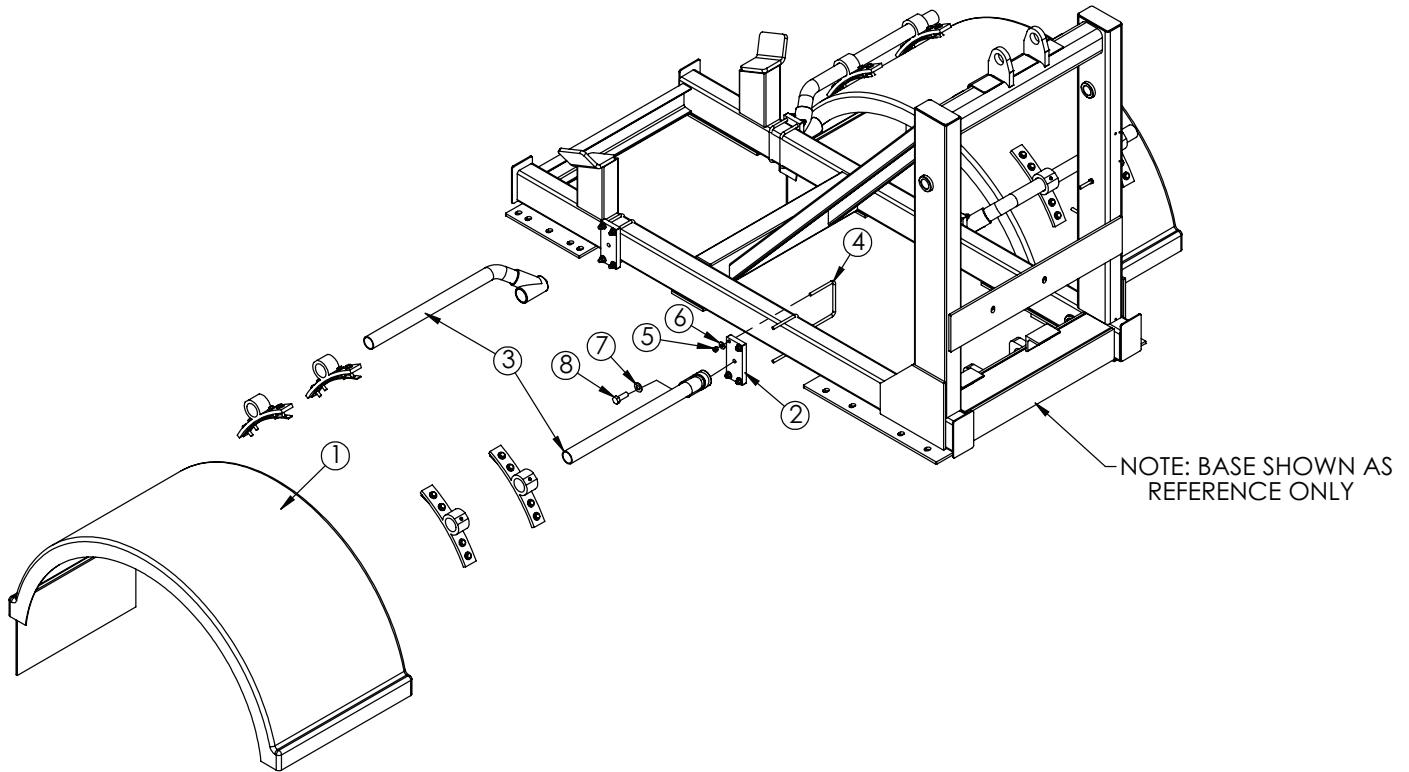
Air Actuator DVS10 - PN 64634



Cable Kit DVS10 - PN 67319



Fender Kit Assembly - PN 80045



PN 80045			
ITEM	PART	DESCRIPTION	QTY
1	4467	FENDER SINGLE 2 TON PLASTIC	2
2	74734	FLAT 0.75X3.00X6.50 CR W/HOLES PC BLACK	4
3	5733	MTG KIT OFFSET POLY FENDER (FLEET)	2
4	77537	U BOLT 0.38X5.00X4.75	8
5	0347	NUT 0.38-16 HHGR5 NYLOC	16
6	0346	WASHER 0.38 USS FLAT	16
7	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	4
8	11693	CAP SCR 0.63-11X1.75 HHGR8	4
9	7633	FENDER MOUNT ASM KIT	2



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