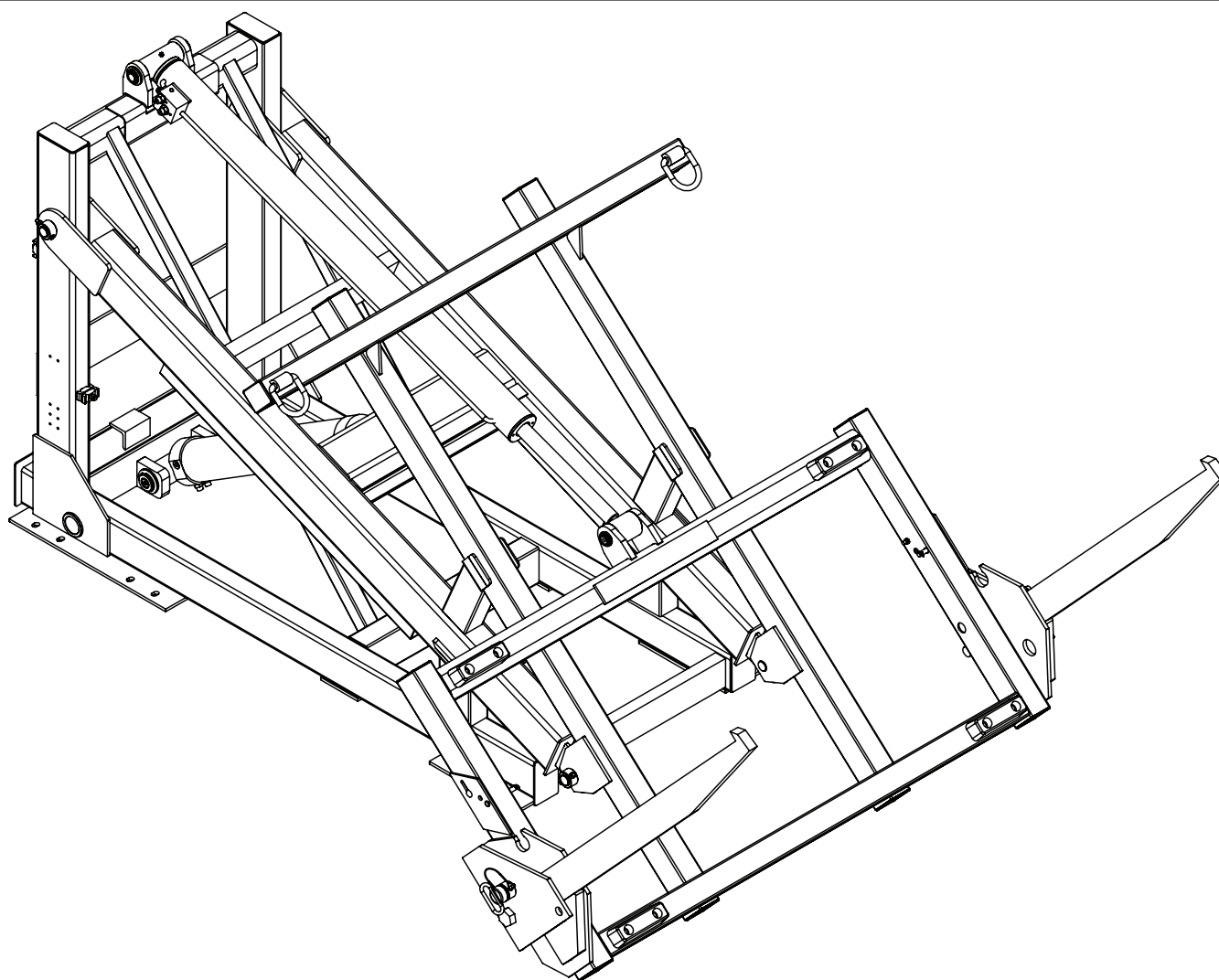




Model CC Container Carrier Owner's Manual

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

Stellar Industries, Inc.

190 State Street

PO Box 169

Garner, IA 50438

800-321-3741

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www.stellarindustries.com

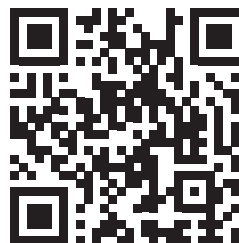
Subject to Change without Notification.
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Rev 3
PN 89041

Serial Tag Location / P65 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

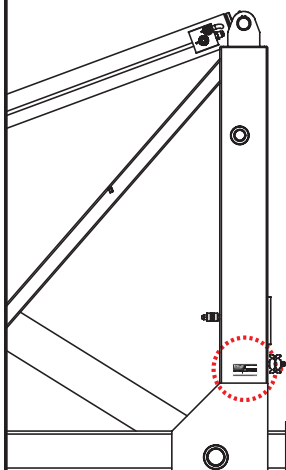
NOTICE

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

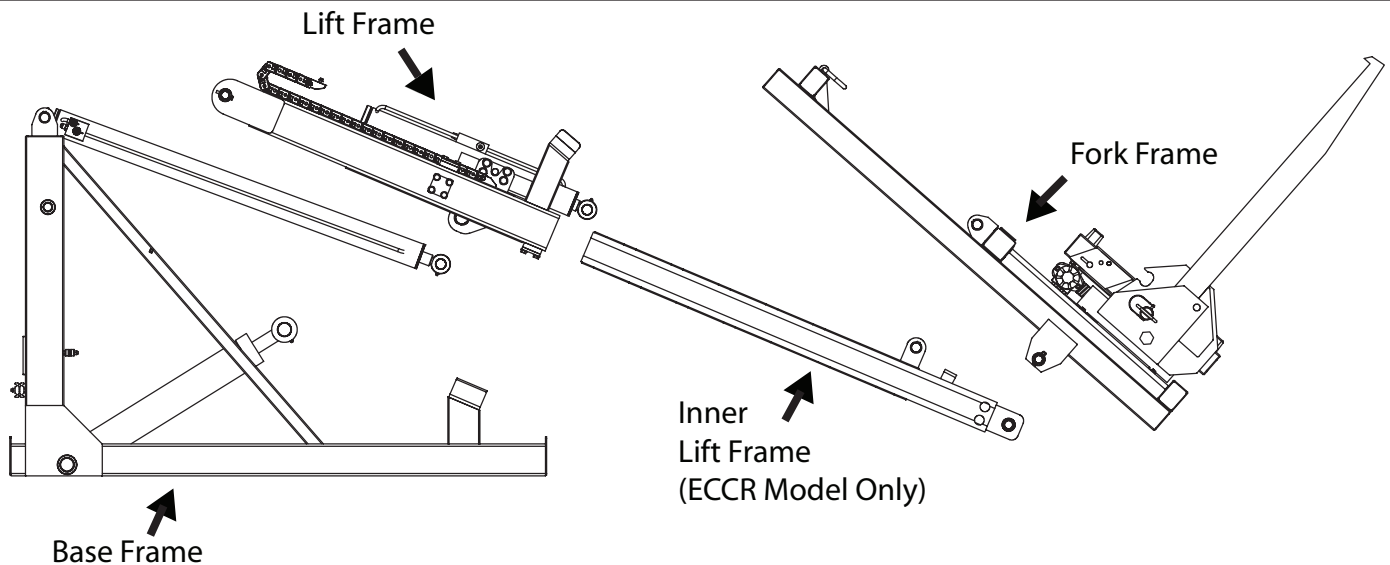
Chapter 1 - Specifications

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Container Carrier Nomenclature

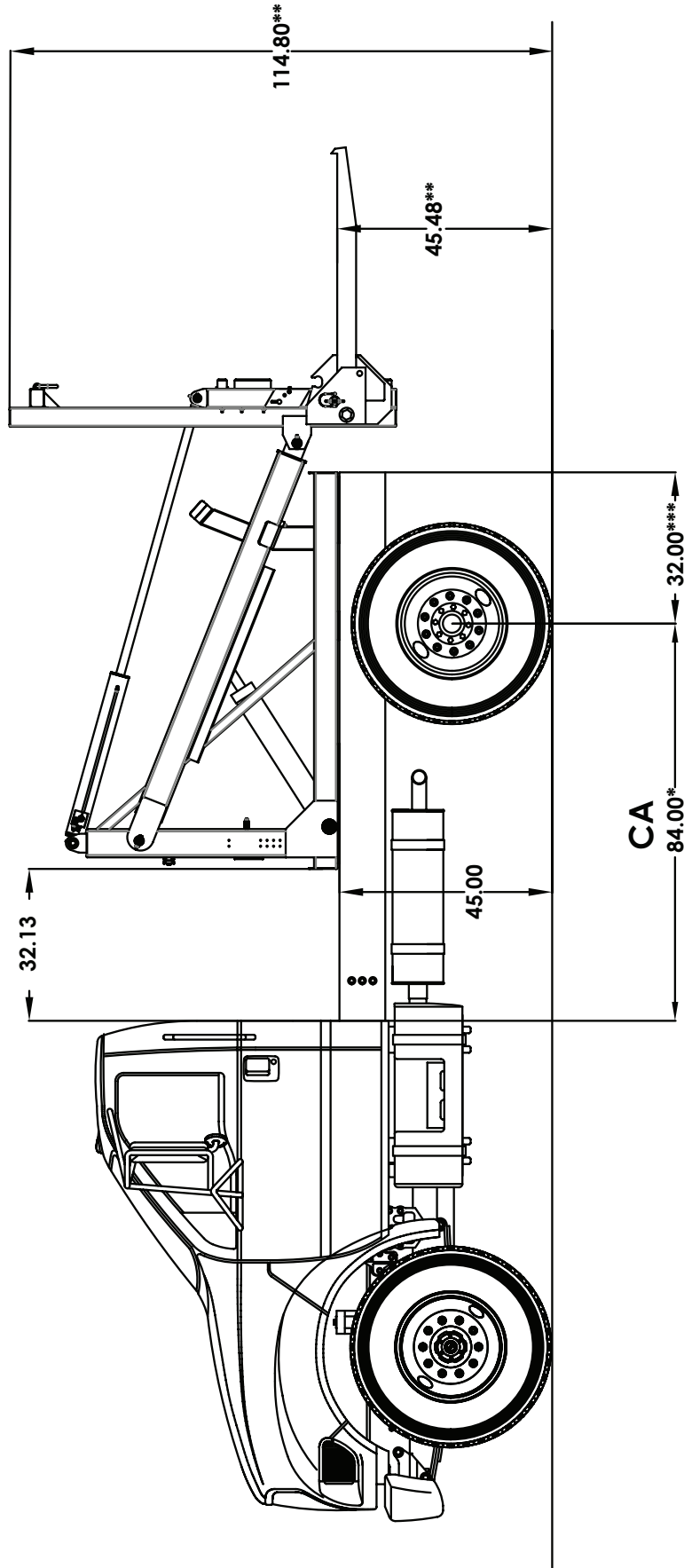


Container Carrier Specifications

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	76.06"
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

CC



* 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.

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.

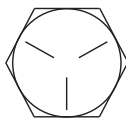
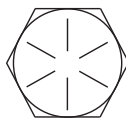
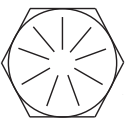
Therefore, the installer of Stellar® Container carriers is considered one of the manufacturers of the vehicle. As such a manufacturer, the installer is responsible for compliance with all applicable federal and state regulations. They are required to certify that the vehicle is in compliance with the 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

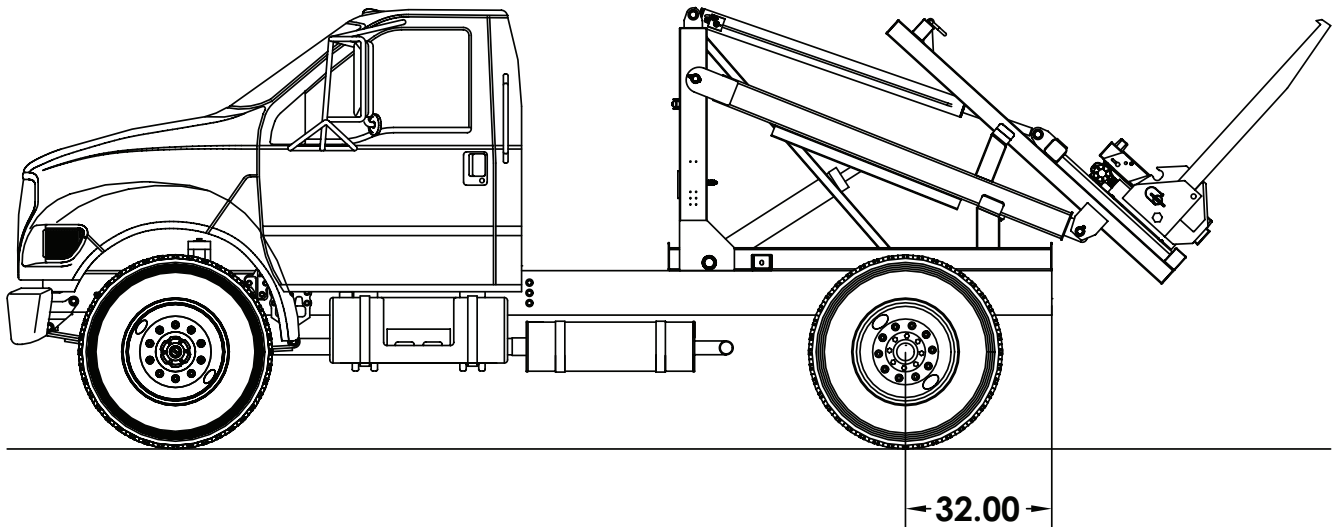
Every container carrier installation is unique. However, certain guidelines exist that apply to every model. Listed below is a general set of chronological steps that may be followed when installing a Stellar Container Carrier. If any questions arise during the installation process, feel free to contact 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

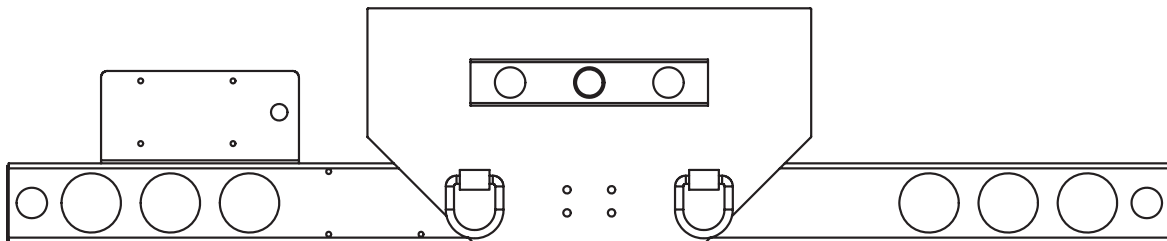
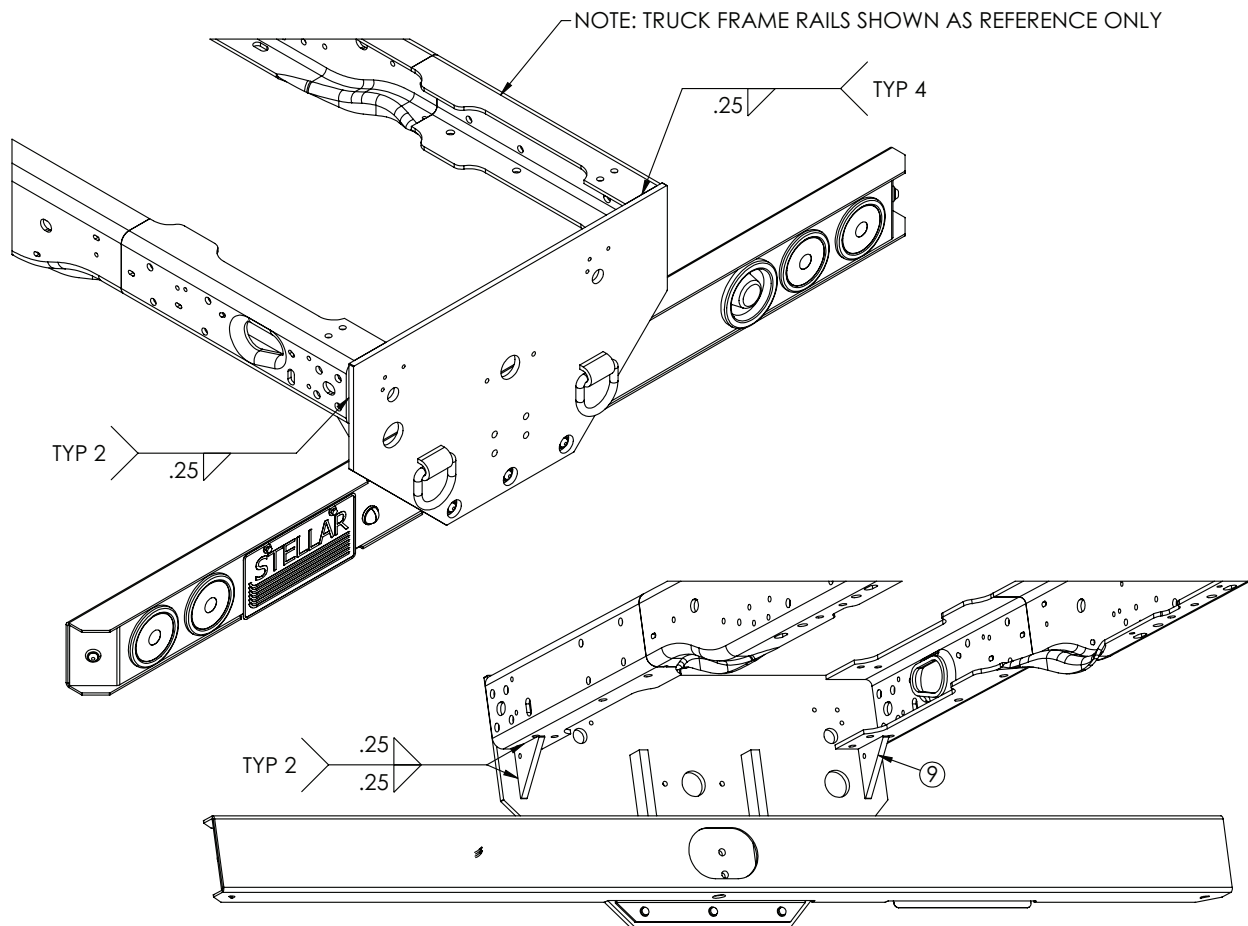
- A. Cut the truck frame off a minimum of 1" behind the rear spring shackle.
- B. Make sure not to cut rear of frame off shorter than 32" (35" when installing on Ford F750 Chassis) from center of axle to end of frame.



Model CC

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.



Step 4: Set the Container Carrier on the Truck

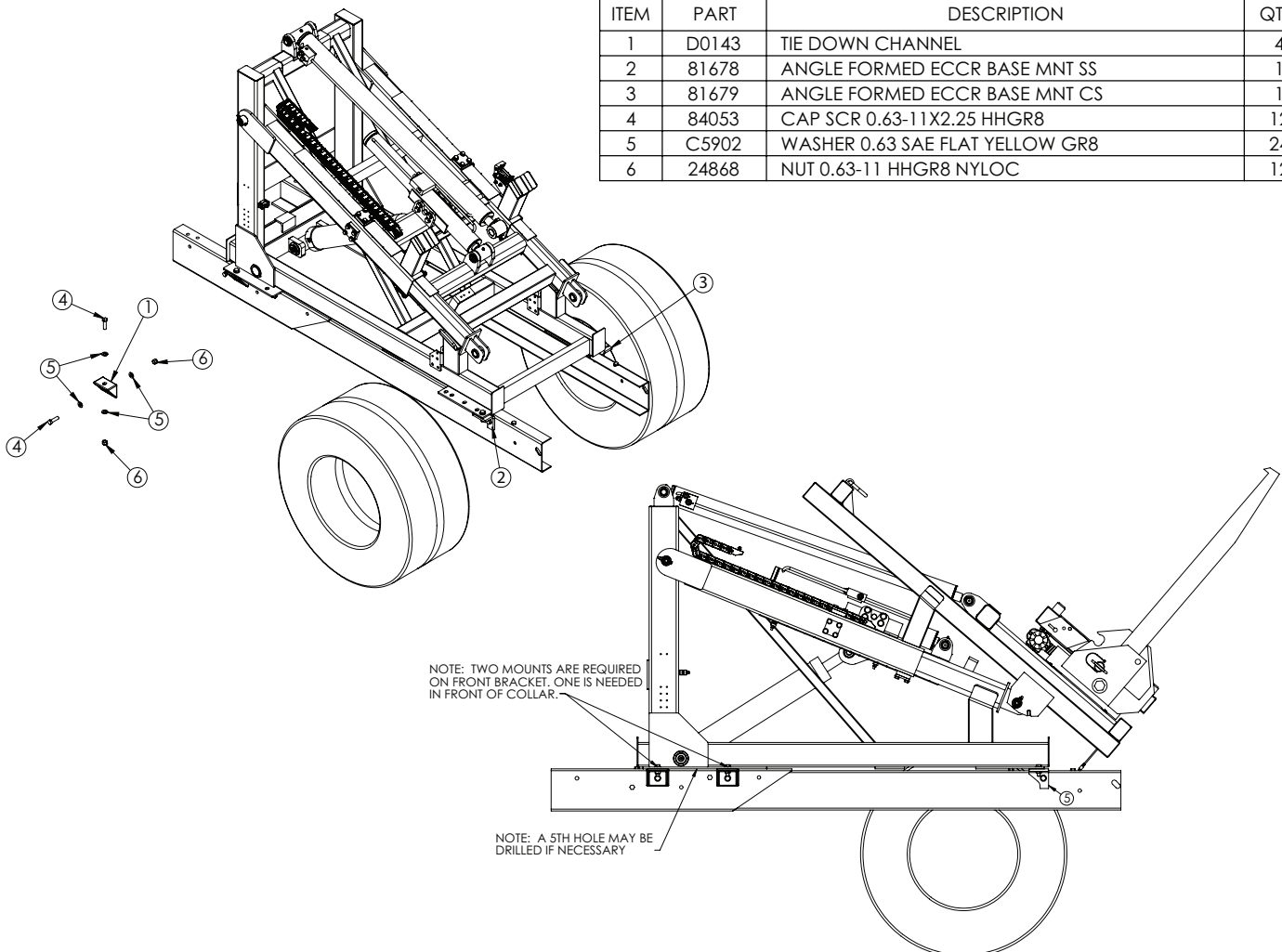
- A. Set the Container Carrier on top of the truck frame. See Mounting Kit below
- B. Container Carrier must set on a level surface. If any object (rivets, cross members, etc.) extend above the top of the truck frame, and cannot be removed, a spacer must be used.
- C. On the CC model the rear of the base should mount flush to 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

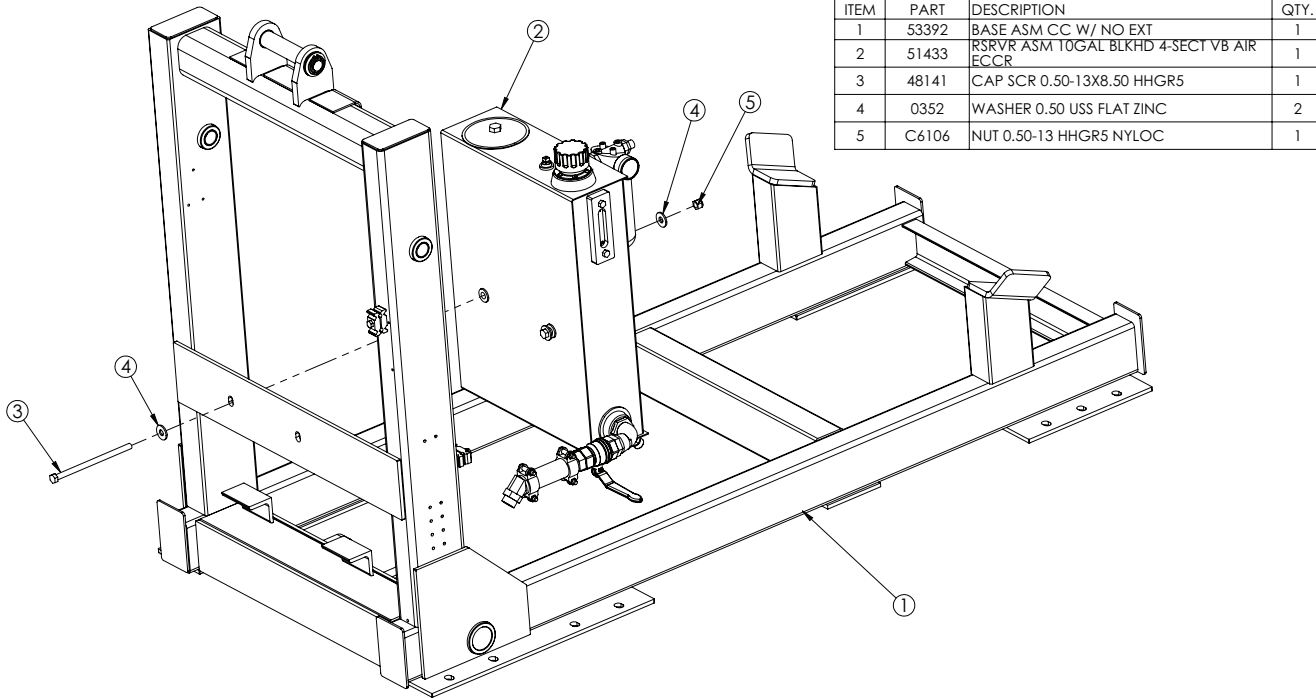


Step 6: Install the PTO and Pump

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

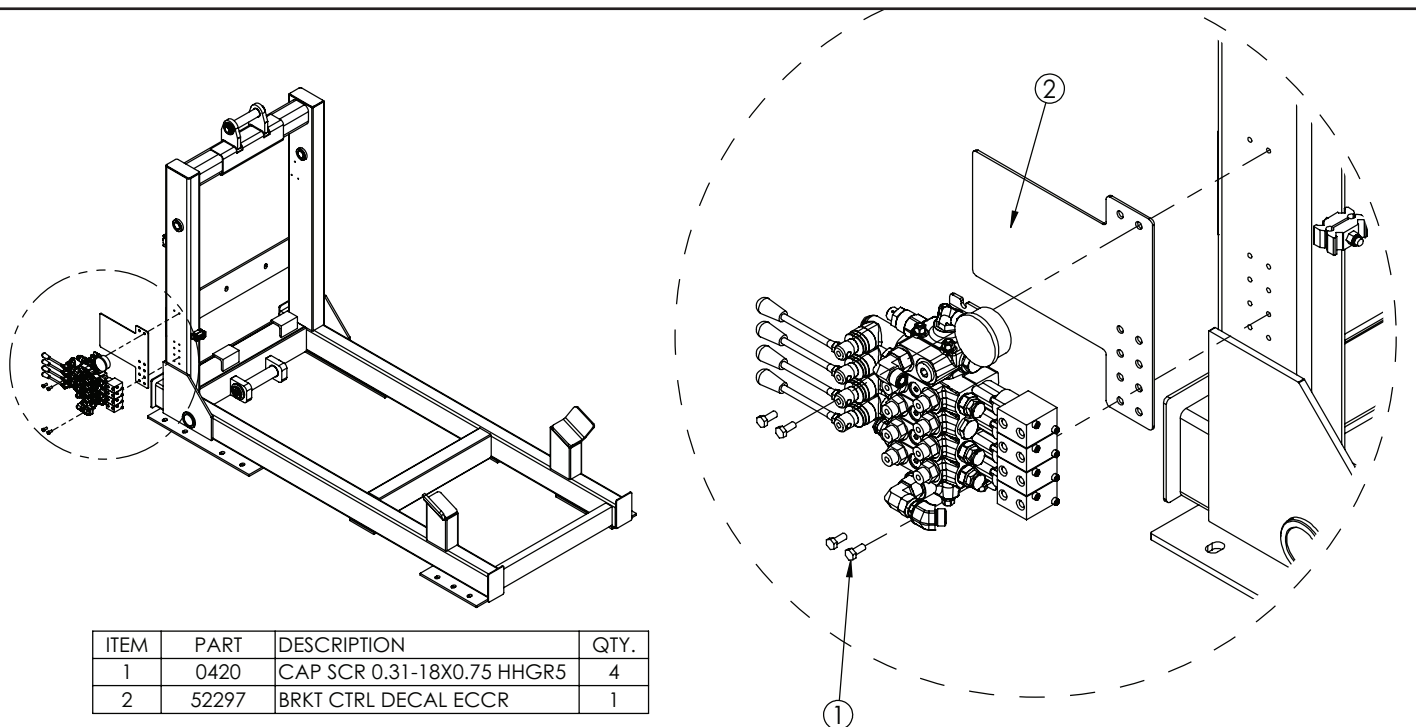
Step 7: Install Reservoir

A. Install the reservoir:



Step 8: Install Valve Bank

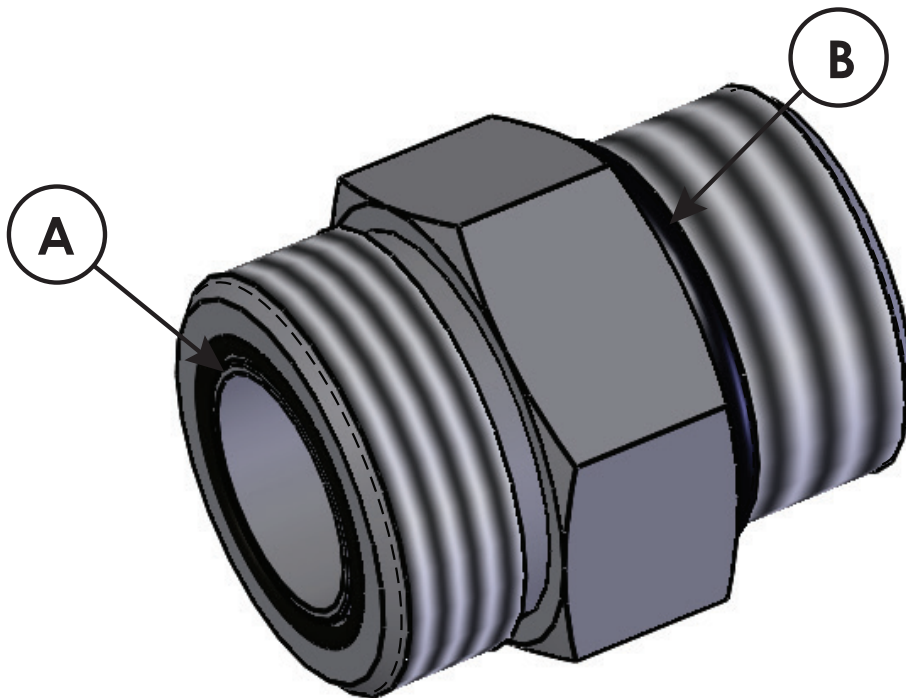
A. Install the valve bank:



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.

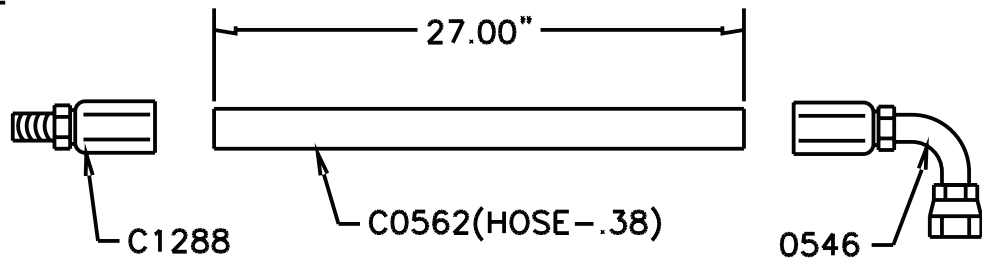
Face Seal/O-Ring Size Chart



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

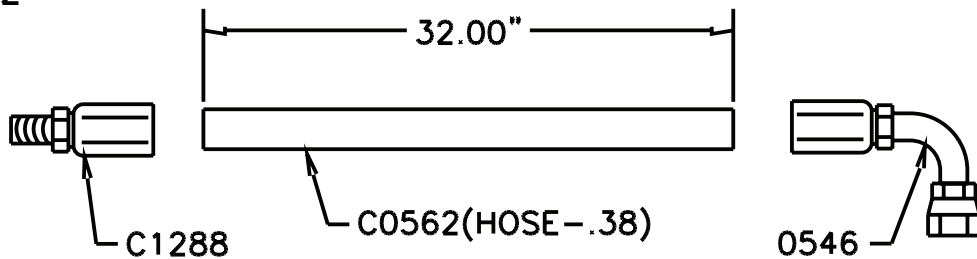
CC Hose Kit - PN 53038

STELLAR #52553 - (471TC-J0-J9-6-6-6-27")
QTY - 2



FUNCTION: TUBE ASM TO LIFT CYL

STELLAR #54484 - (471TC-J0-J9-6-6-6-32")
QTY - 2



FUNCTION: TUBE ASM TO TILT CYL

PN 53038

03	54484	HOSE .38 X 32.00	2ref
02	52553	HOSE .38 X 27.00	2ref
01	53038	HOSE KIT CONTAINER CARRIER HP	1
ITEM	PART No.	DESCRIPTION	QTY

Note: System Pressure is 4500 PSI

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:



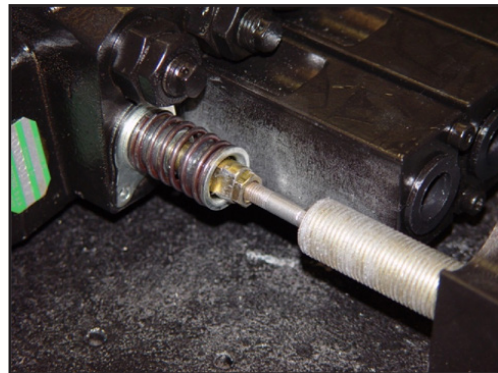
3. Thread the 1/4" jam nut onto the threaded end of the cable:



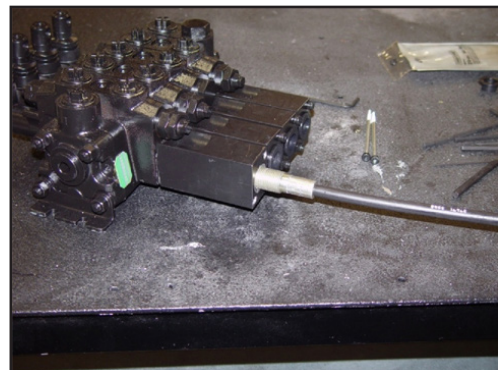
4. Screw the threaded end of the cable 3 turns into the end of the valve spool:



5. Tighten the jam nut:

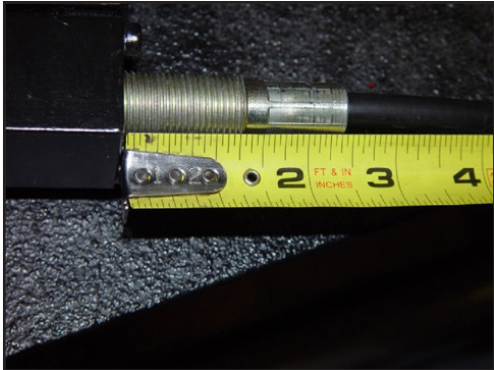


6. Rotate the outer cable assembly counter-clockwise to bring the aluminum spring centering block back over the spring:



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:

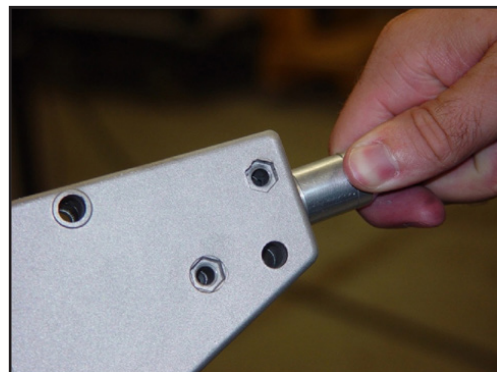


11. Push and hold the control handle so the

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:



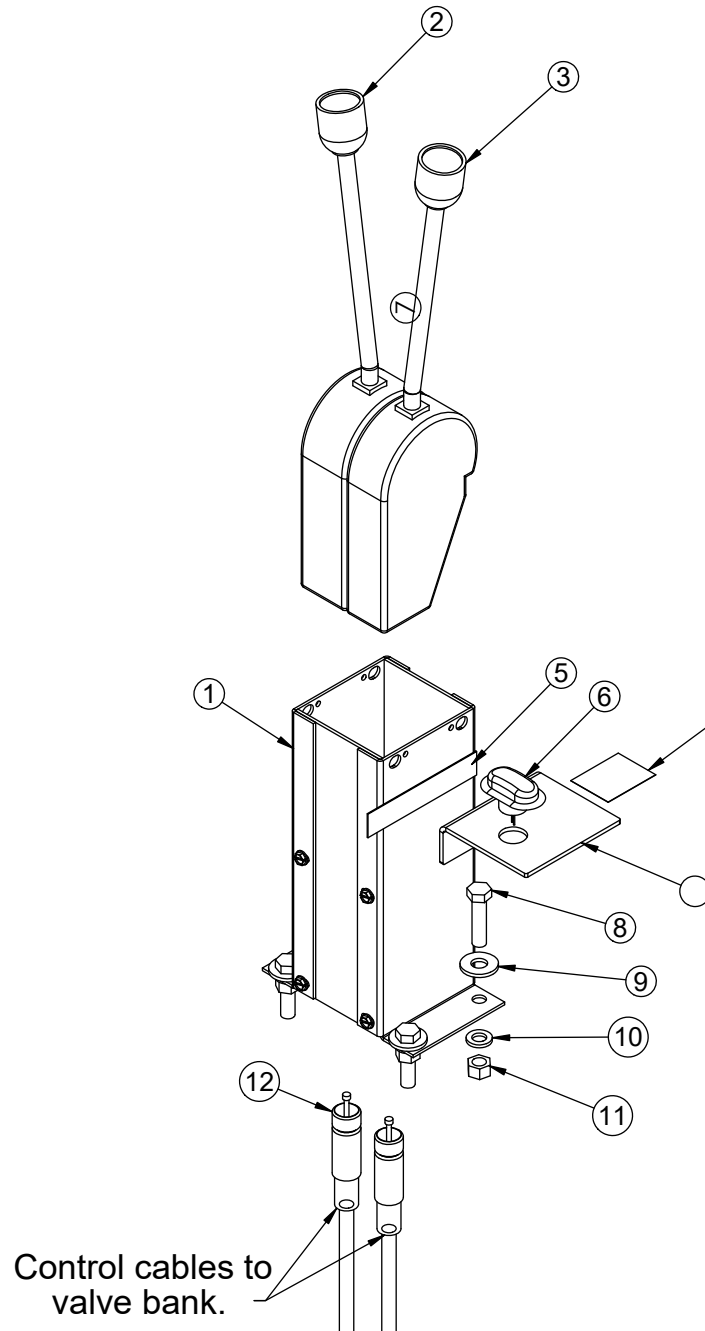
12. Push the cable assembly into the control handle until the groove in the cable end is visible through the bottom hole in handle where the bolt was previously removed. Hold the cable end in place and reinstall the bolt and nut:



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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Controller Asm DVS10 96" - 2 Section - PN 53816



Controller Asm 96" - 2 Section, PN 53816 Parts List

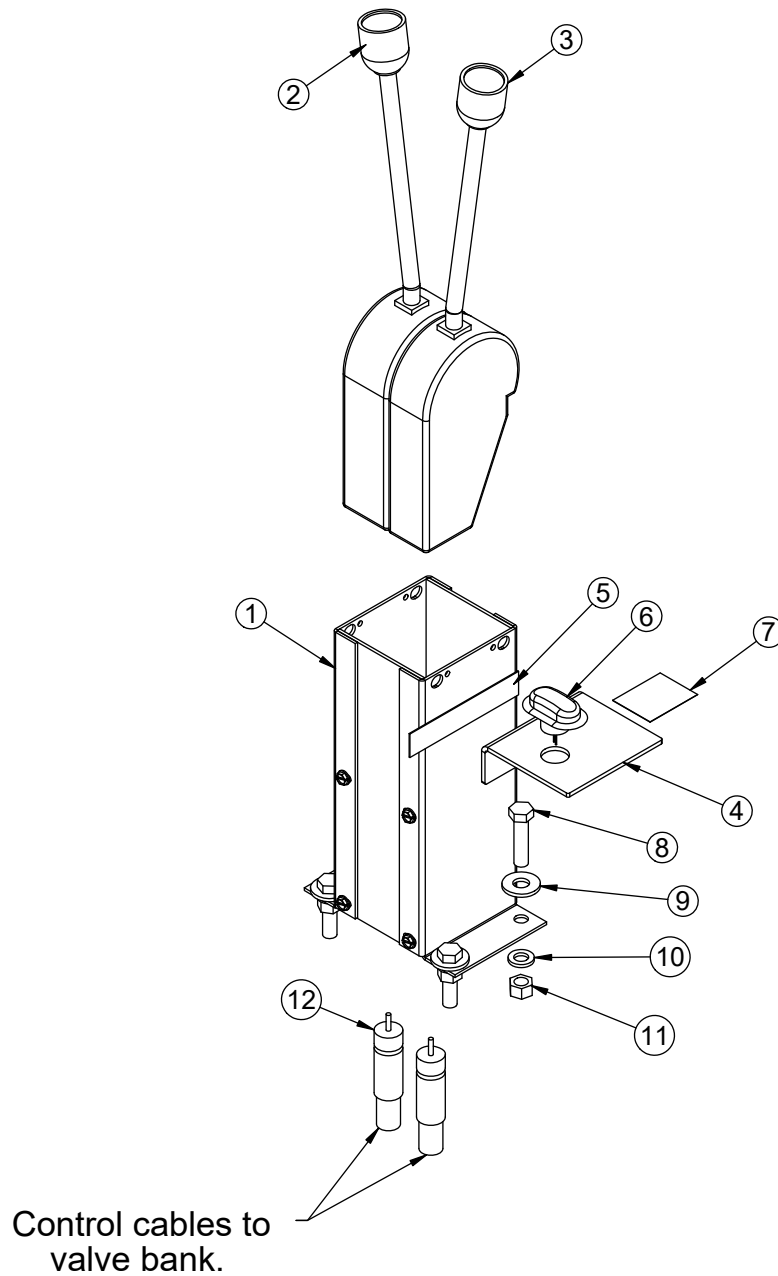
PN 53816			
ITEM	PART	DESCRIPTION	QTY
1	37470	VALVE CTRL CONSOLE 2LEVER RVC	1
2	47131	CONTROLLER LEFT BEND NO LOCK WESCON	1
3	46825	CONTROLLER RIGHT BEND NO LOCK WESCON	1
4	54511	BRKT CONTROLLER DUMP UP LIGHT ECCR	1
5	24857	TAPE DBL SIDE 45 MIL X.75WX4.00 LONG	1
6	45908	LIGHT CLEARANCE RED MICRO LED	1
7	57230	DECAL SICC INSIDE CONTROL 2 SECT	1
8	0345	CAP SCR 0.38-16X1.50 HHGR5	4
9	0346	WASHER 0.38 USS FLAT	4
10	0523	WASHER 0.38 LOCK	4
11	0535	NUT 0.38-16 HHGR5	4
12	37471	CONTROL CABLE 96 IN WESCON	2
REV. B			
ITEMS NOT SHOWN			
PART	DESCRIPTION		QTY
67319	CABLE KIT VALVE SECTION DVS10		2

NOTES:

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

57230 IS SHOWN FOR REFERENCE ONLY. IT IS INCLUDED IN KIT 52904.

Controller Asm DVS10 144" - 2 Sect - PN 60807



Controller Asm DVS10 144” - 2 Sect - PN 60807 Parts

PN 60807

ITEM	PART	DESCRIPTION	QTY.
1	37470	VALVE CTRL CONSOLE 2LEVER RVC	1
2	47131	CONTROLLER LEFT BEND NO LOCK WESCON	1
3	46825	CONTROLLER RIGHT BEND NO LOCK WESCON	1
4	54511	BRKT CONTROLLER DUMP UP LIGHT ECCR	1
5	24857	TAPE DBL SIDE 45 MIL X.75WX4.00 LONG	1
6	45908	LIGHT CLEARANCE RED MICRO LED	1
7	57230	DECAL SICC INSIDE CONTROL 2 SECT	1
8	0345	CAP SCR 0.38-16X1.50 HHGR5	4
9	0346	WASHER 0.38 USS FLAT	4
10	0523	WASHER 0.38 LOCK	4
11	0535	NUT 0.38-16 HHGR5	4
12	37472	CONTROL CABLE 144 IN WESCON	2

REV. A

ITEMS NOT SHOWN

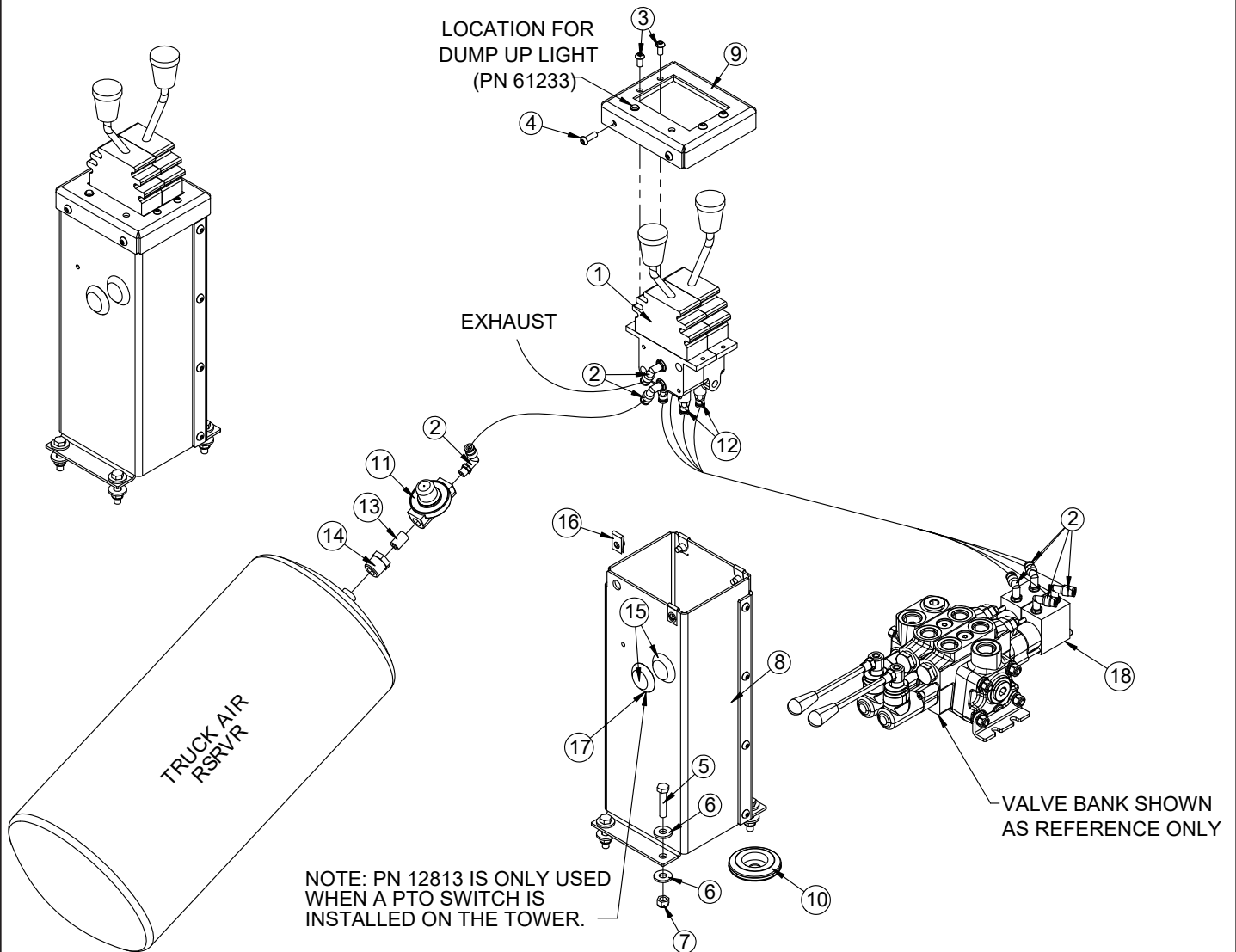
PART	DESCRIPTION	QTY
67319	CABLE KIT VALVE SECTION DVS10	2

NOTES:

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

57230 IS SHOWN FOR REFERENCE ONLY. IT IS INCLUDED IN KIT 52904.

Air Controls - PN 88650



Air Controls - PN 88650 Parts List

PN 88650

ITEM	PART	DESCRIPTION	QTY
1	88664	CONTROLLER 2 BANK 4-WAY PNEUMATIC SLIM	1
2	45687	FTG 4-2 MP-PTC 90 BRASS 1169X4S	7
3	D0561	CAP SCR 0.25-20X0.50 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 2.50ODX1.56GDX0.13X0.56ID	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
18	64634	AIR ACTUATOR DVS10	2

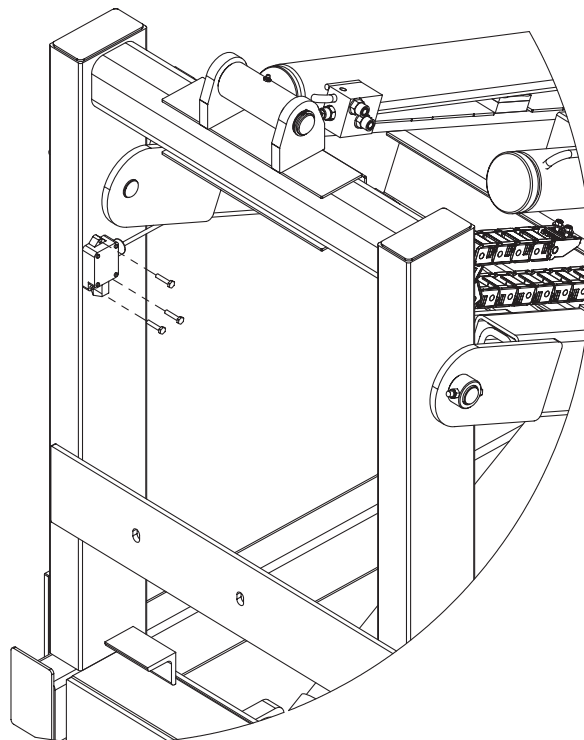
REV. C

ITEMS NOT SHOWN

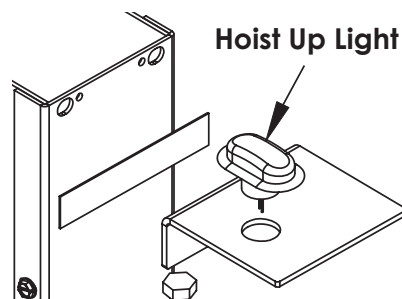
PART	DESCRIPTION	QTY
88678	DECAL CONTROL TOWER LID CONTAINER CARRIER 2SEC	1
D1810	TBE AIR SAEJ844 TYPE A .25 (RM)	60 FT

Step 11: Install Hoist Up Light Kit

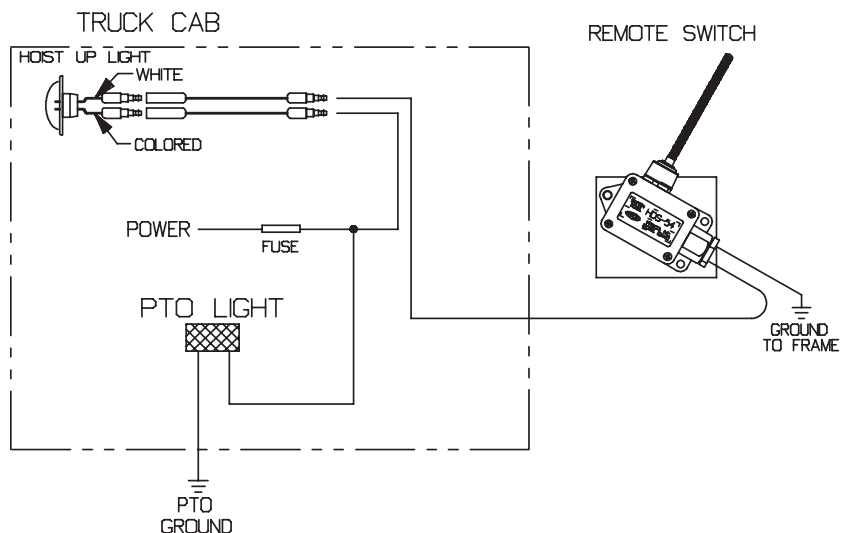
- A. Mount the remote switch (PN 45907) to the curb side vertical base tube using the 1/4" cap screws provided:



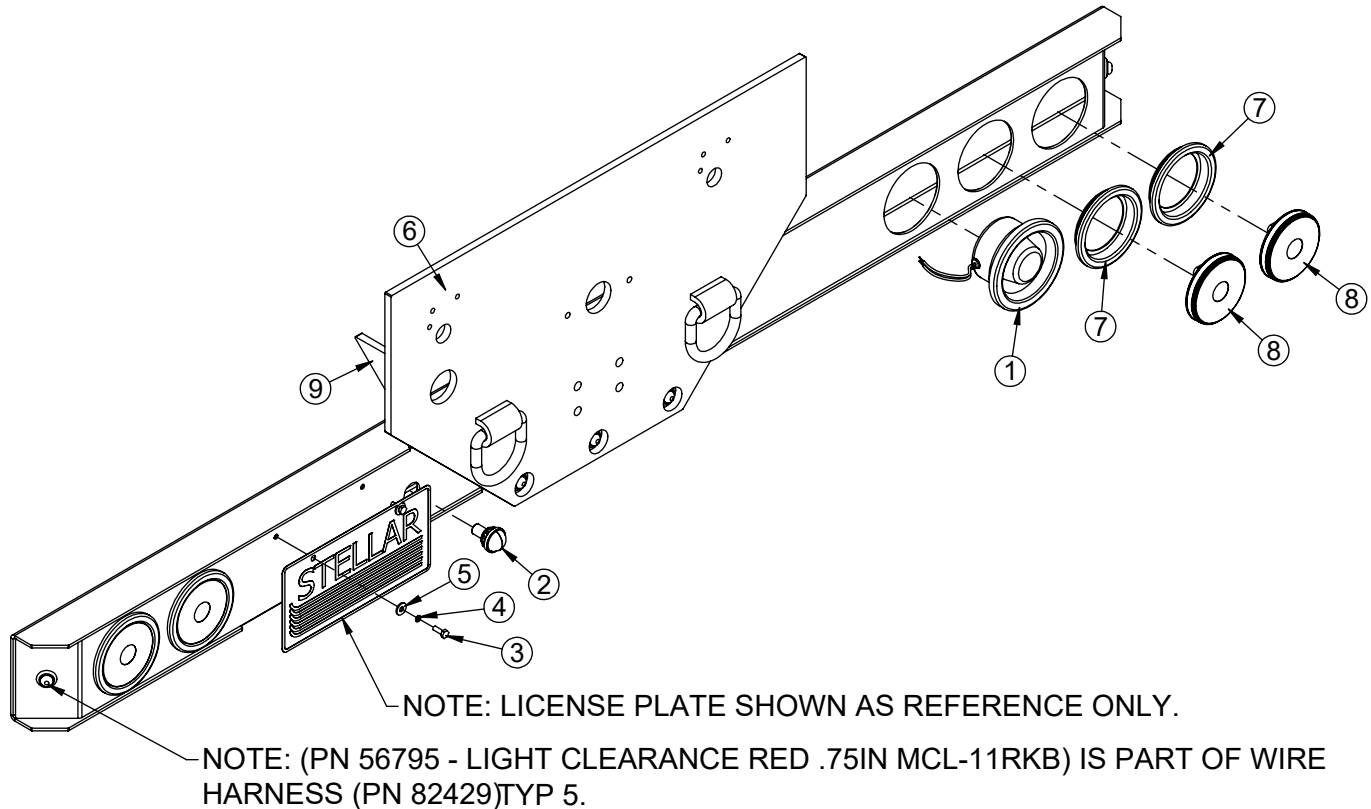
- B. For cable controller assemblies, the hoist up light will need to be installed onto the bracket:



- 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

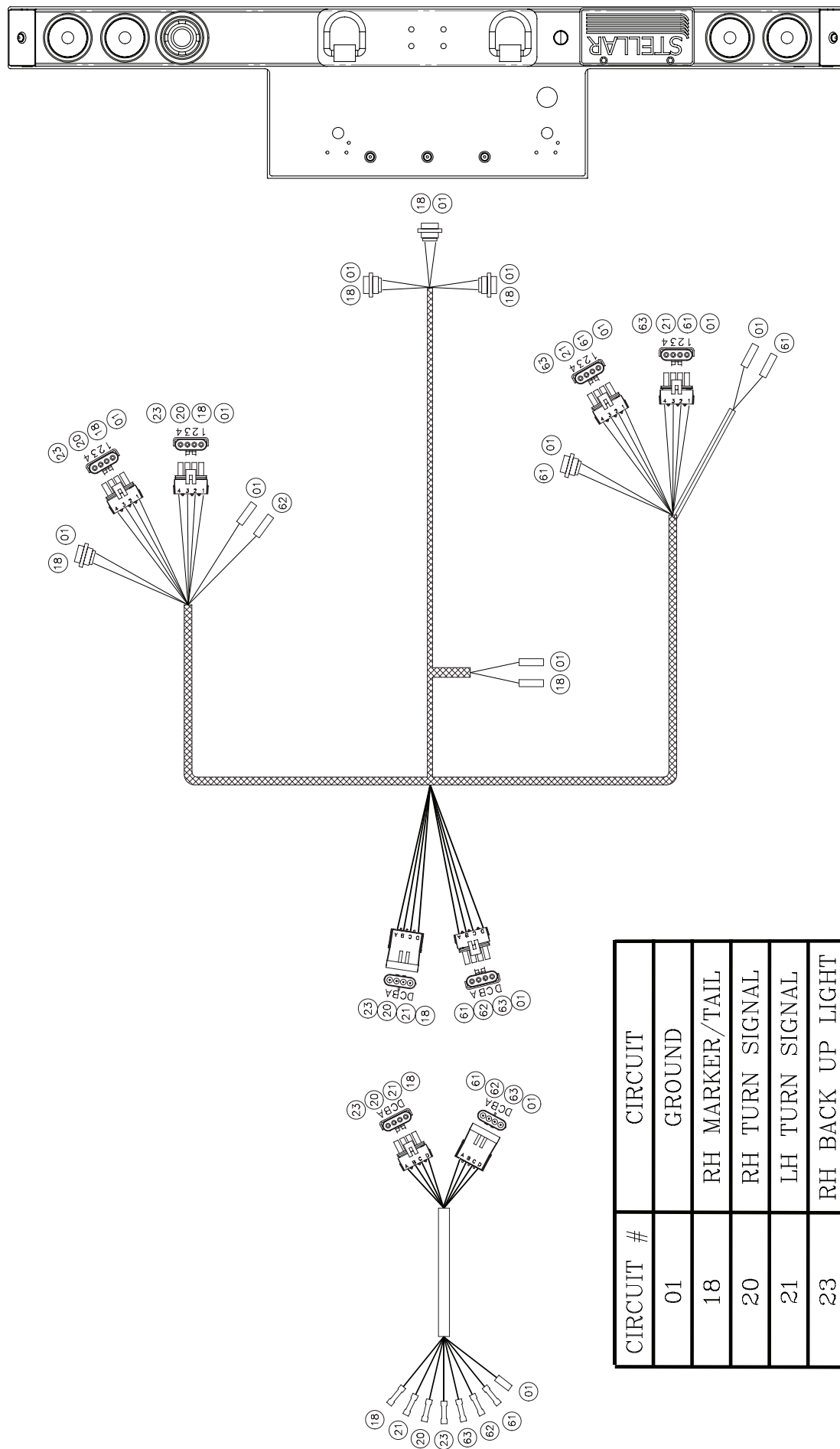
ITEM	PART	DESCRIPTION	QTY
1	18742	BACKUP ALARM ACORN 97 DECIBAL	1
2	2320	LICENSE PLATE LIGHT ROUND 430 W	1
3	0479	CAP SCR 0.25-20X0.75 HHGR5	2
4	0521	WASHER 0.25 LOCK	2
5	0340	WASHER 0.25 USS FLAT	2
6	81301	BUMPER FOR 16K PINTLE ECCR	1
7	82430	GROMMET 4.00 ROUND LAMP (GROTE)	4
8	82431	LIGHT STOP/TURN/TAIL/REV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

REV. E

ITEMS NOT SHOWN

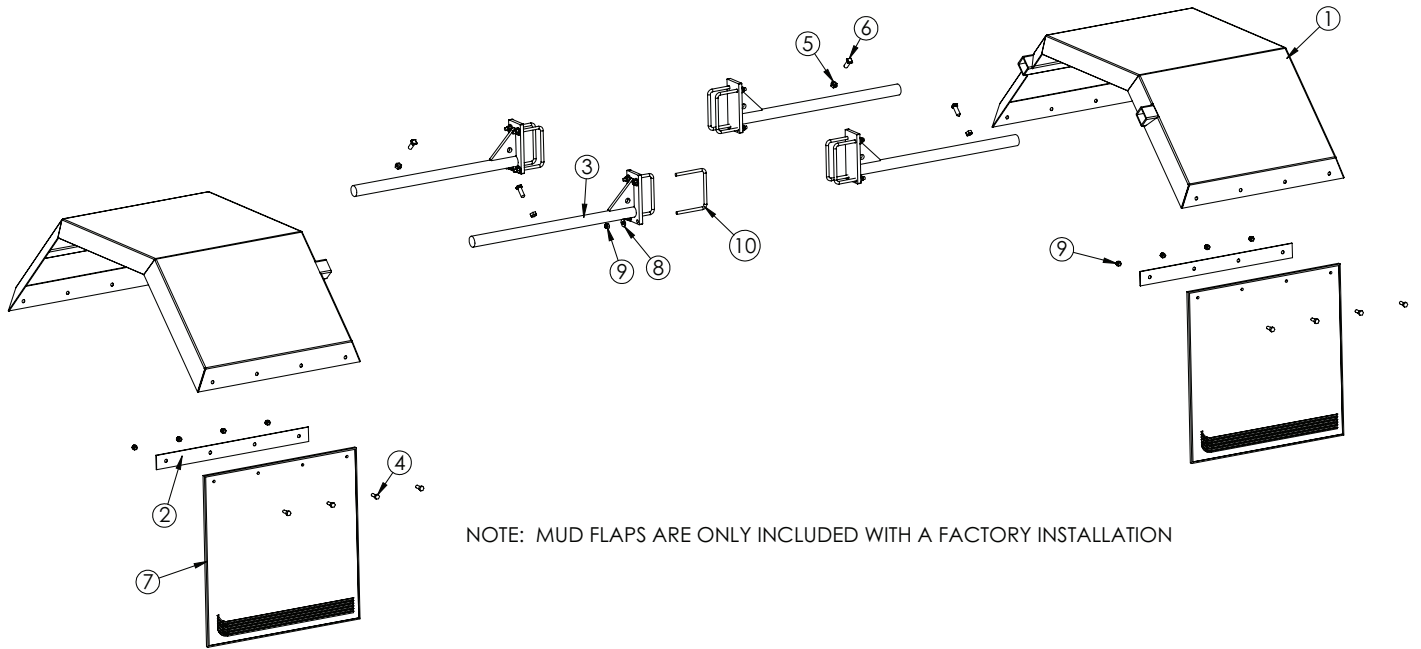
PART	DESCRIPTION	QTY
82429	WIRE HARNESS FMV108 HOOK LOADER GEN2	1
85371	WIRE HARNESS FMVSS108 CHASSIS GEN2	1
0540	REFLECTOR 3.00 AMBER	2
0541	REFLECTOR 3.00 RED	2

Step 13: Route Electrical



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 14: Install Fenders and Mud Flaps



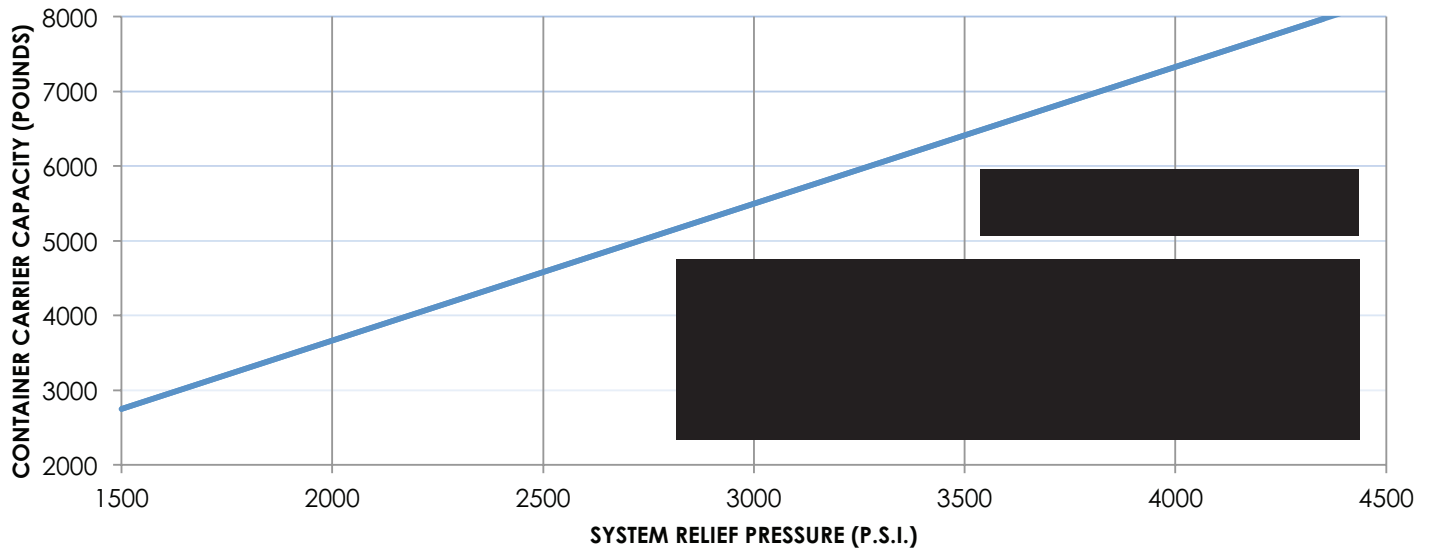
PN 46299

ITEM	PART	DESCRIPTION	QTY
1	46626	FENDER WLDMT STEEL SINGLE KPAC	2
2	46627	FENDER SUPPORT WELDMENT PC BLACK	2
3	0537	NUT 0.50-13 HH	4
4	46590	CAP SCR 0.50X1.50 SQ HD CP SS	4
5	0346	WASHER 0.38 USS FLAT	16
6	0347	NUT 0.38-16 HHGR5 NYLOC	16
7	77537	U BOLT 0.38X5.00X4.75	8
8	104586	FENDER SUPPORT WELDMENT REAR SS	1
9	104588	FENDER SUPPORT WELDMENT REAR CS	1

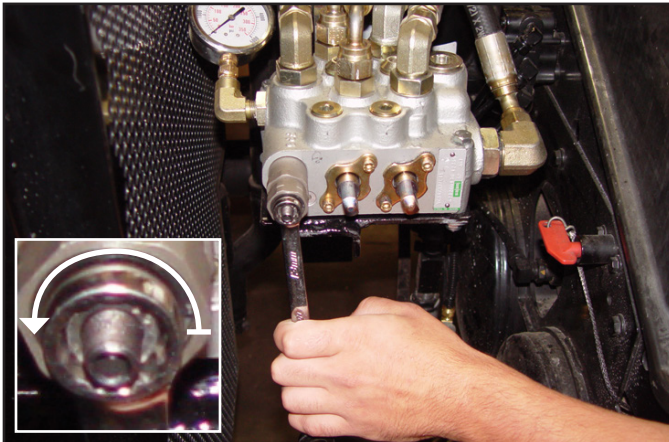
Step 15: Operate the Container Carrier

- ⚠ 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).

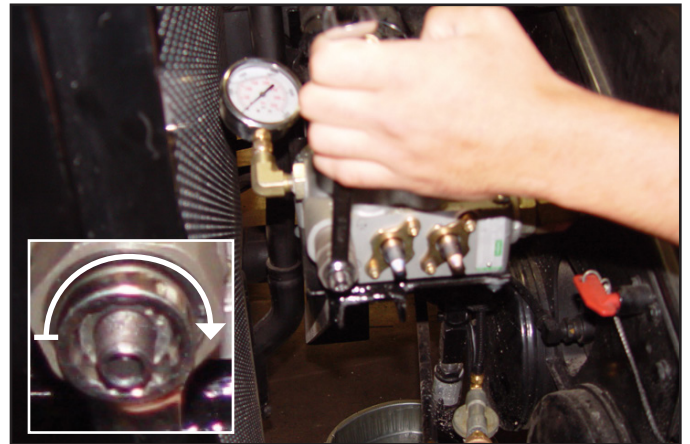
Setting System Relief Pressure



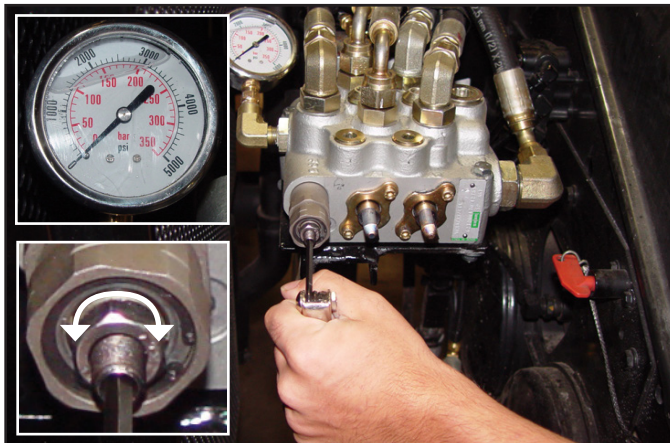
1. Engage the PTO. Run the PTO at 1200 RPM.
2. Push the control lever labeled 'lift' until the boom bottoms out. Keep pushing the lever forward until the pressure is set.
3. Release the jam nut using a 13 mm wrench.



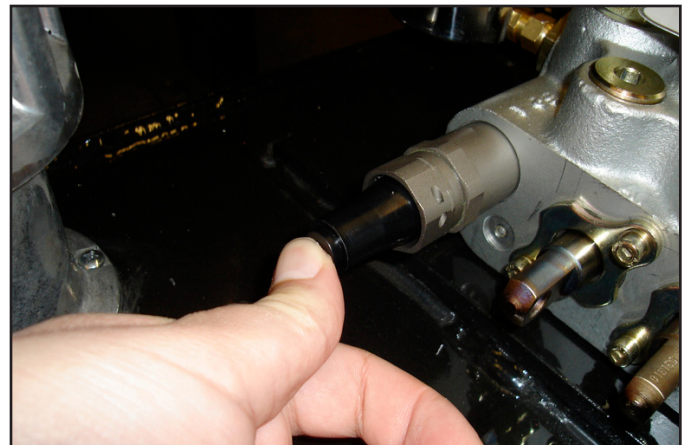
5. Once system pressure is set, tighten the jam nut to lock system pressure. Permanent thread lock should not be used:



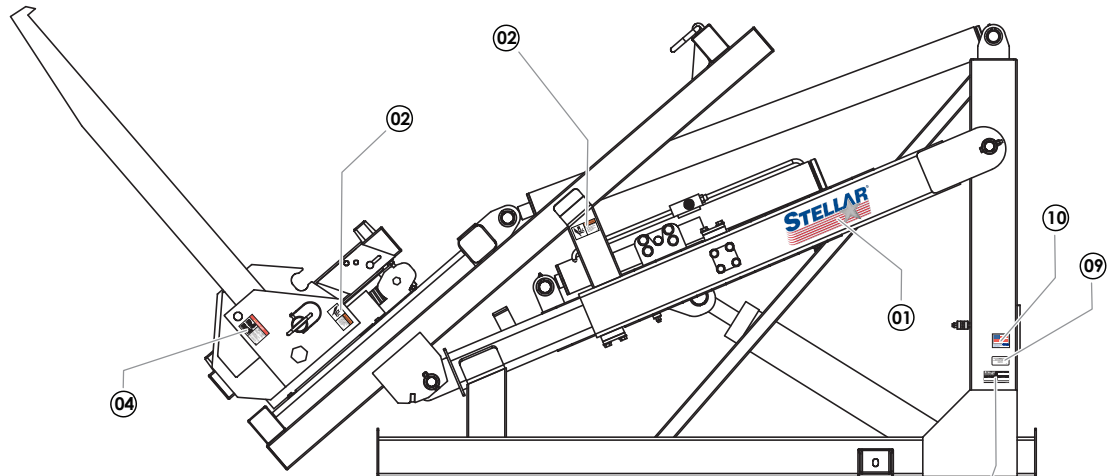
4. Adjust the system relief pressure using 4 mm allen wrench. Clockwise increases pressure, counter clockwise decreases pressure:



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

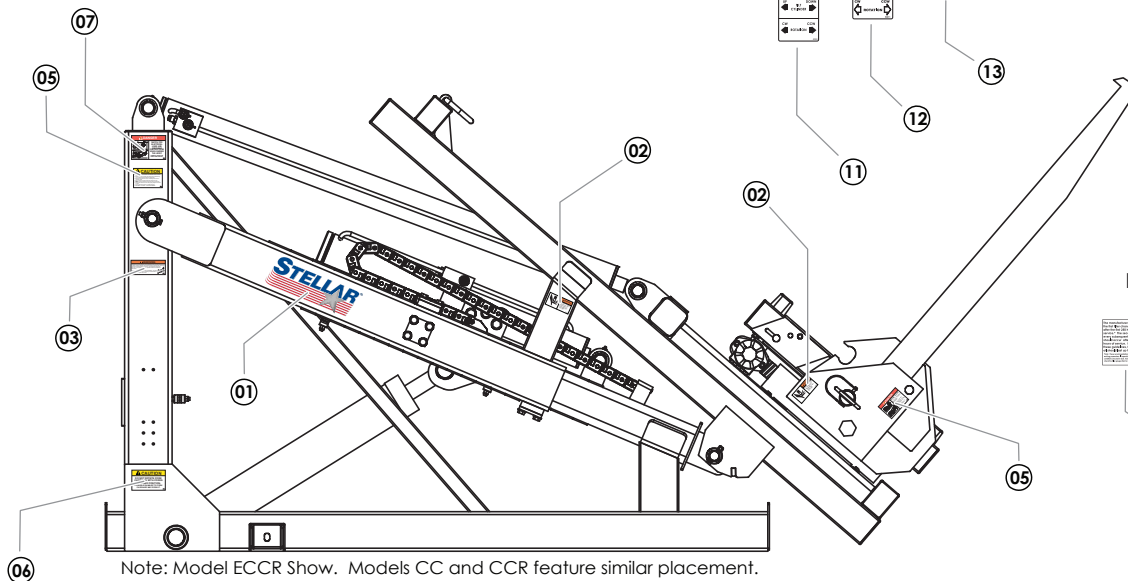
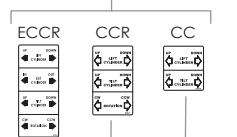
Rev Level: J

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



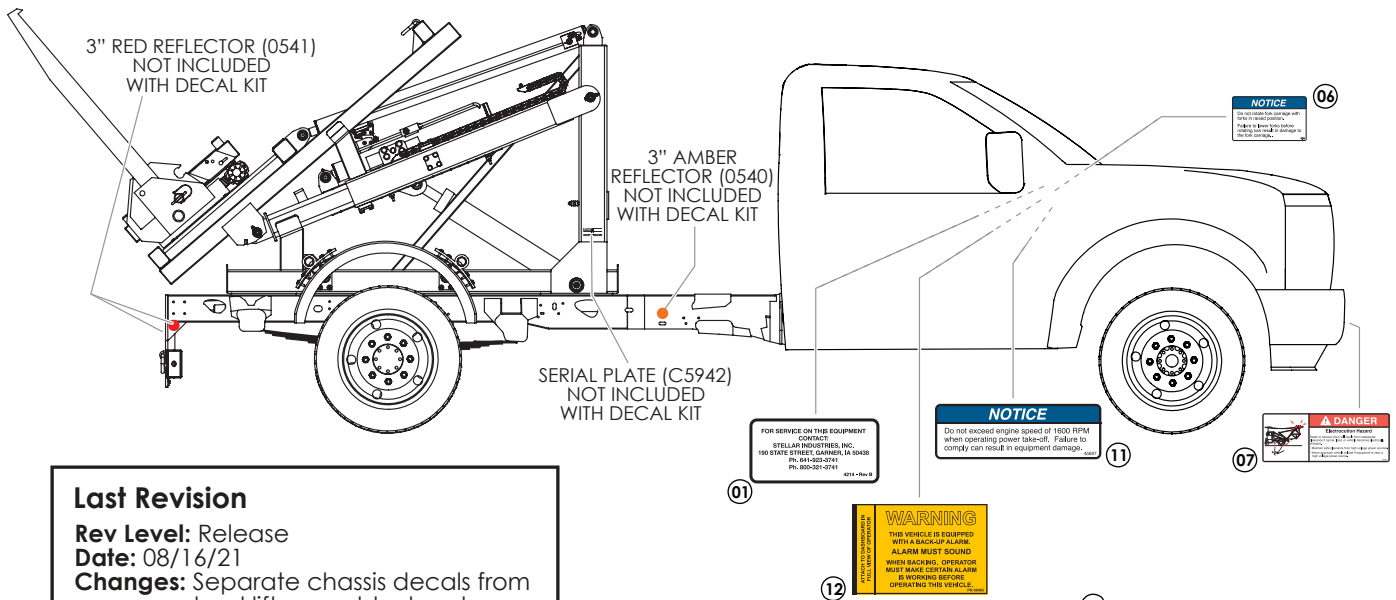
Note: Model ECCR Show. Models CC and CCR feature similar placement.

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

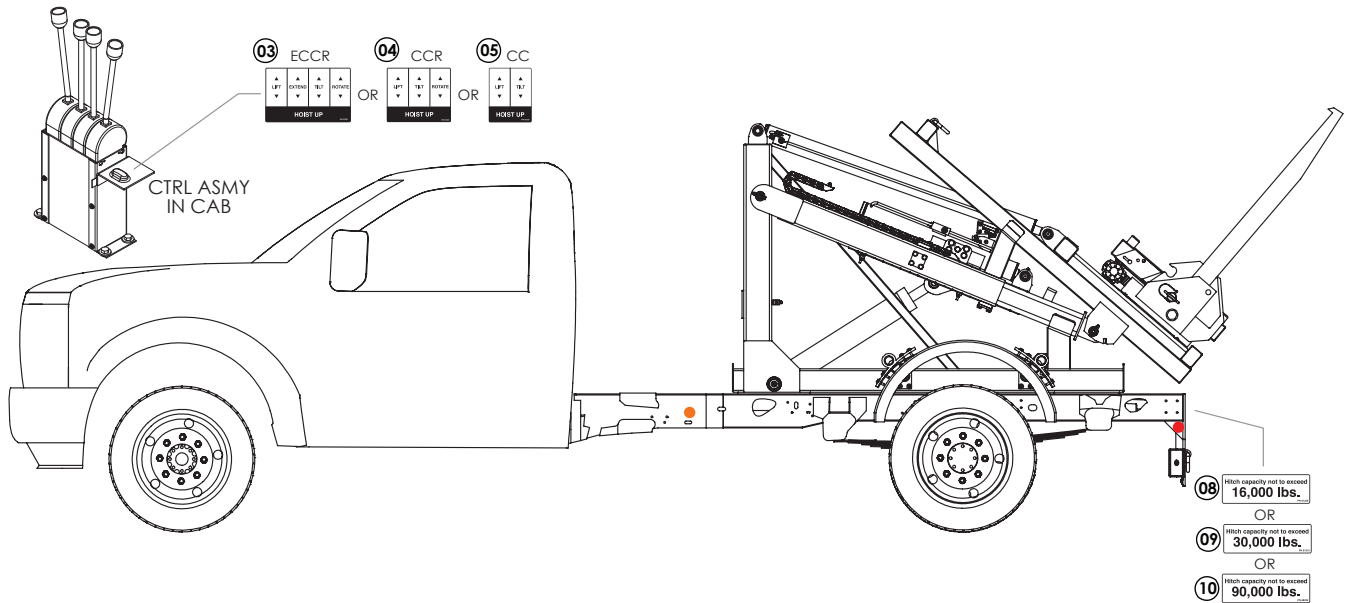


Last Revision

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

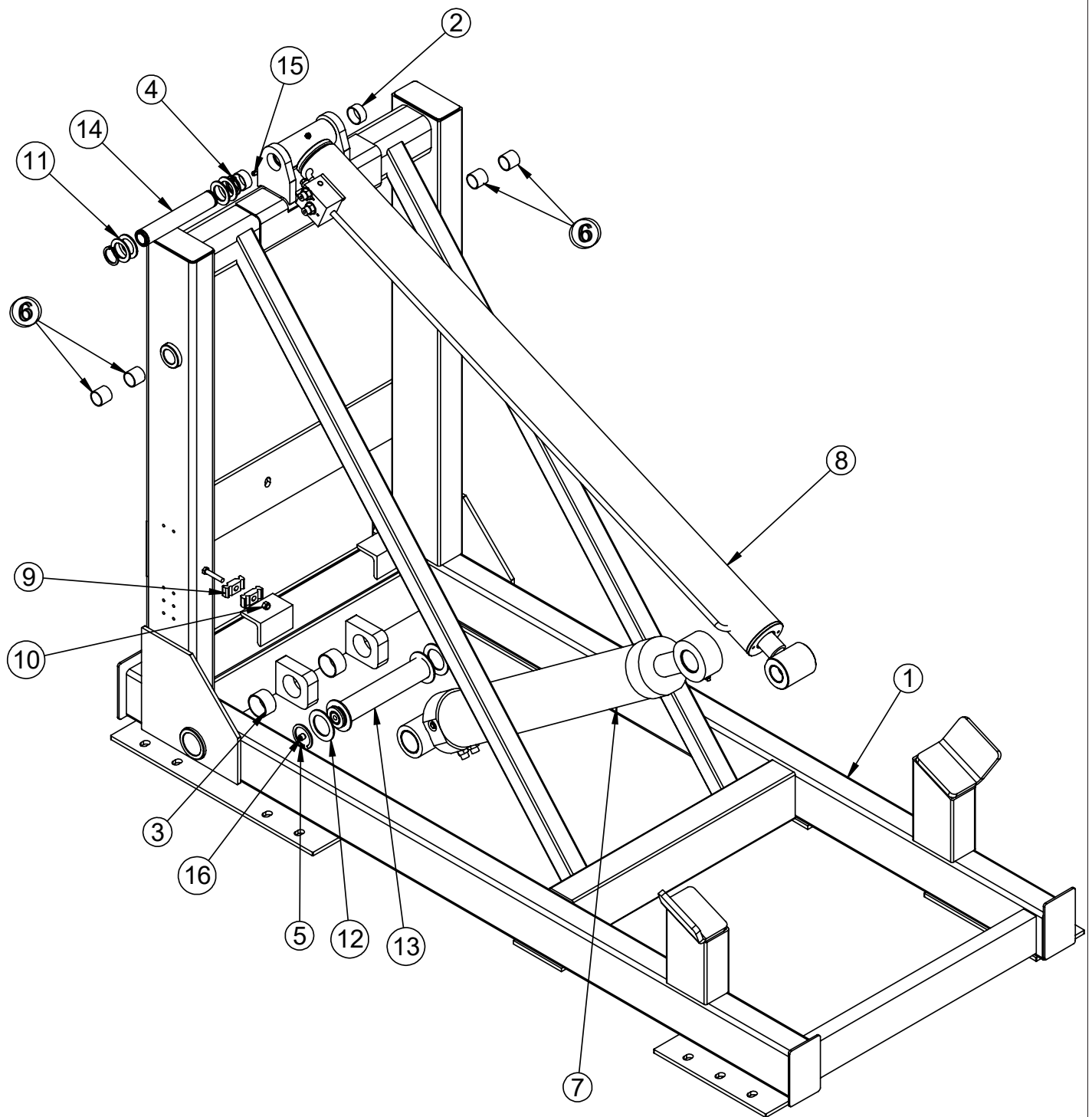
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Chapter 3 - Assembly Drawings

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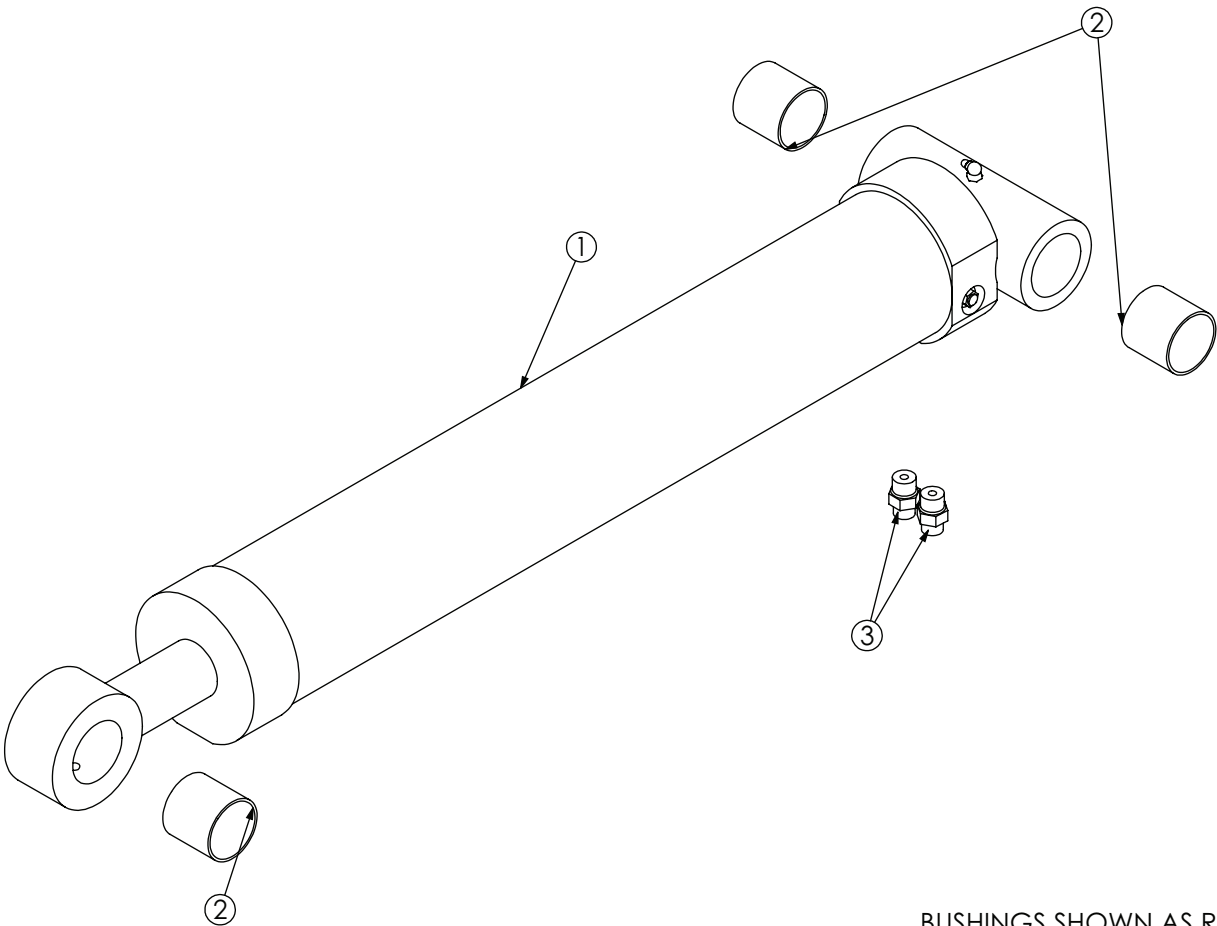
Base Assembly - PN 51313



Base Assembly - PN 51313 Parts List

PN 51313			
ITEM	PART	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 2.00 7200-200	2
6	0249	BUSHING BPC20DXR20 1.25X1.25	4
7	51394	CYLINDER ASM 3.50X55.19	1
8	23462	CYLINDER ASM 4.00X26.50	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	38833CR	PIN 2.00X11.38 SR ZC	1
14	35808CR	PIN 1.50X8.75 SR ZC	1
15	C3397	SET SCREW 0.38-16X0.38 W/ RED PATCH	1
16	58052	SET SCREW 0.50-13X0.50 W/ RED PATCH	1
REV. D			

Lift Cylinder Assembly - PN 23462



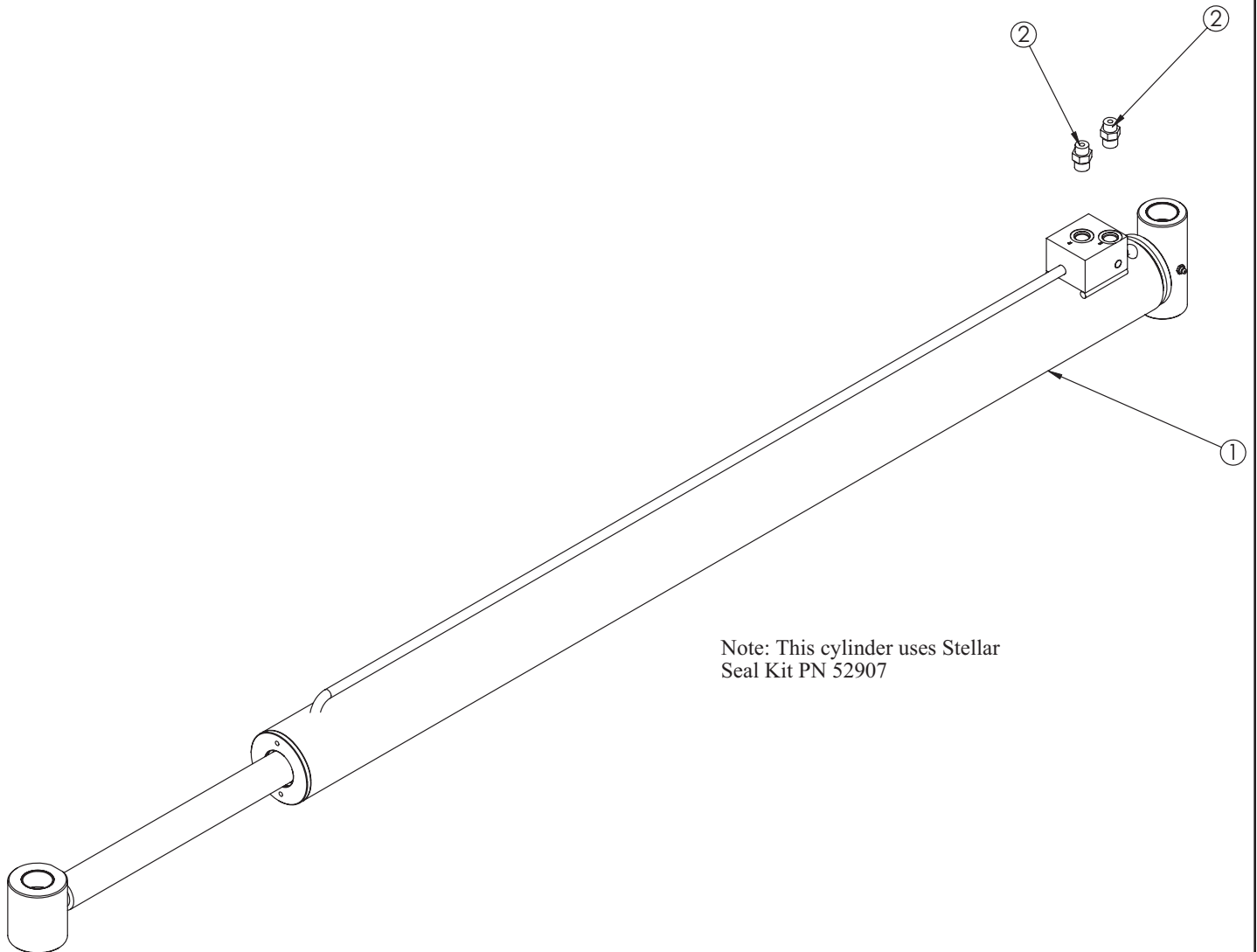
BUSHINGS SHOWN AS REFERENCE

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

Note: This cylinder uses Stellar Seal Kit PN C6302

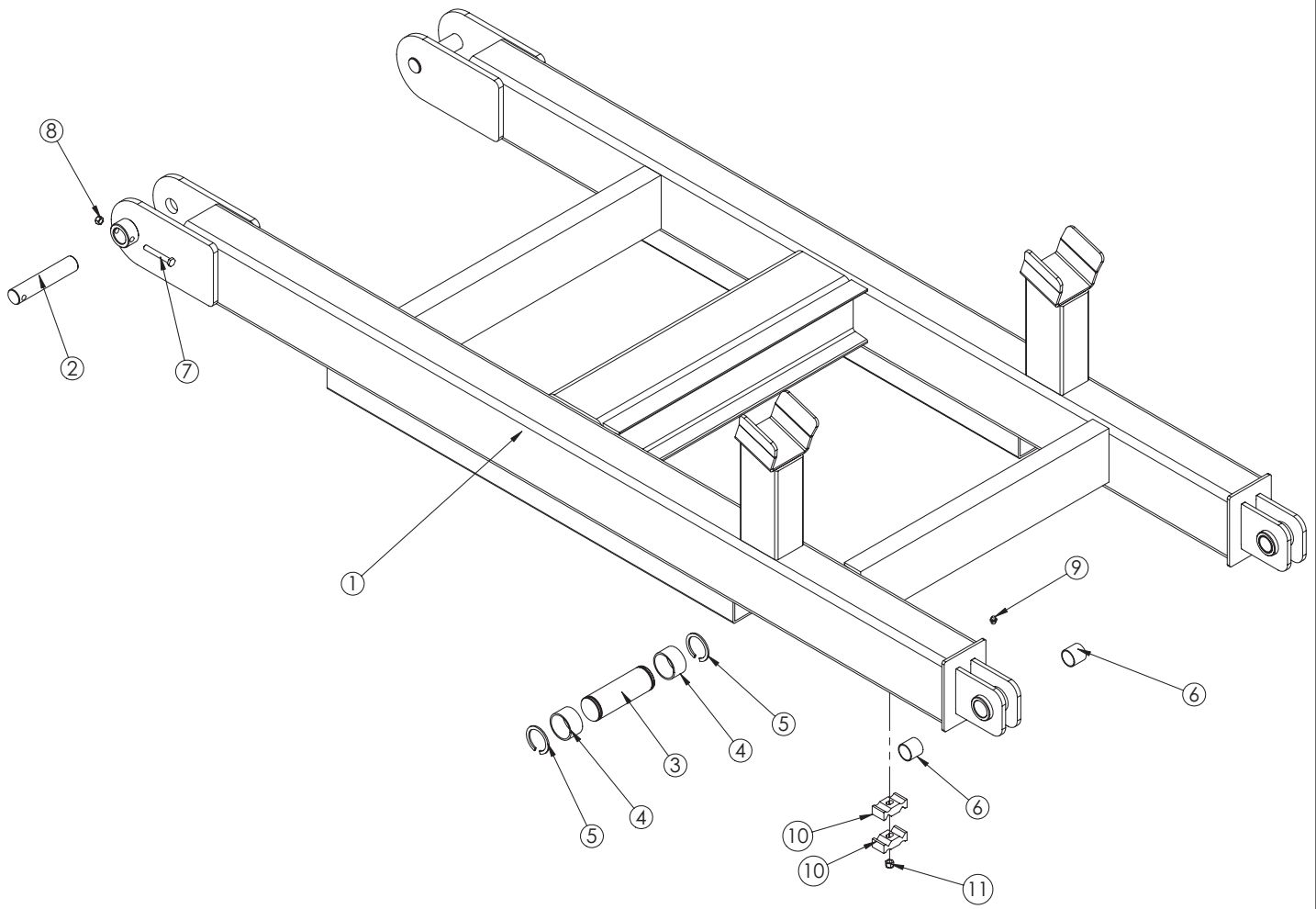
Tilt Cylinder Assembly - PN 53242



PN 53242

ITEM	PART	DESCRIPTION	QTY.
1	53391	CYLINDER 3.50X24.81	1
2	C1854	FTG ADAPT 6-8 F5OLO-S	2

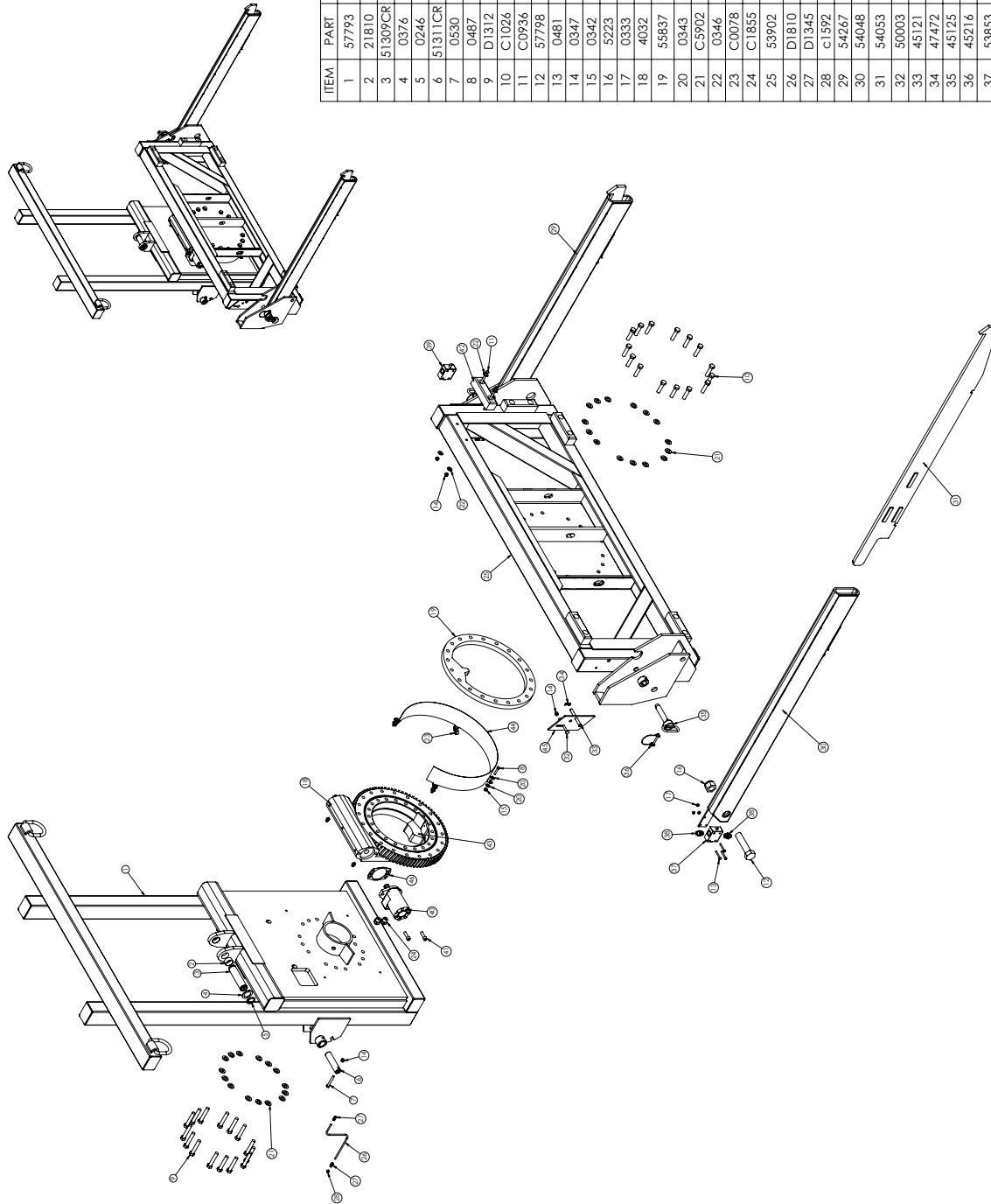
Lift Frame Assembly - PN 52927



PN 52927

ITEM	PART	DESCRIPTION	QTY.
1	52923	LIFT FRAME SICCR	1
2	51391	PIN 1.25X6.38 W/HOLE	2
3	51392	PIN 2.00X6.00 SR	1
4	23699	BUSHING 32DXR20 2.00X1.25	2
5	0108	SNAP RING 2.00 7200-200	2
6	0249	BUSHING BPC-2022-20 1.25X1.25	4
7	0530	CAP SCR 0.38-16X2.75 HHGR5	2
8	0347	NUT 0.38-16 HH NYLOC	2
9	c1592	ZERK 1/8 NPT STRAIGHT	2
10	8621	CLAMP HOSE/TUBE AG-3	2
11	0347	NUT 0.38-16 HHGR5 NYLOC	1

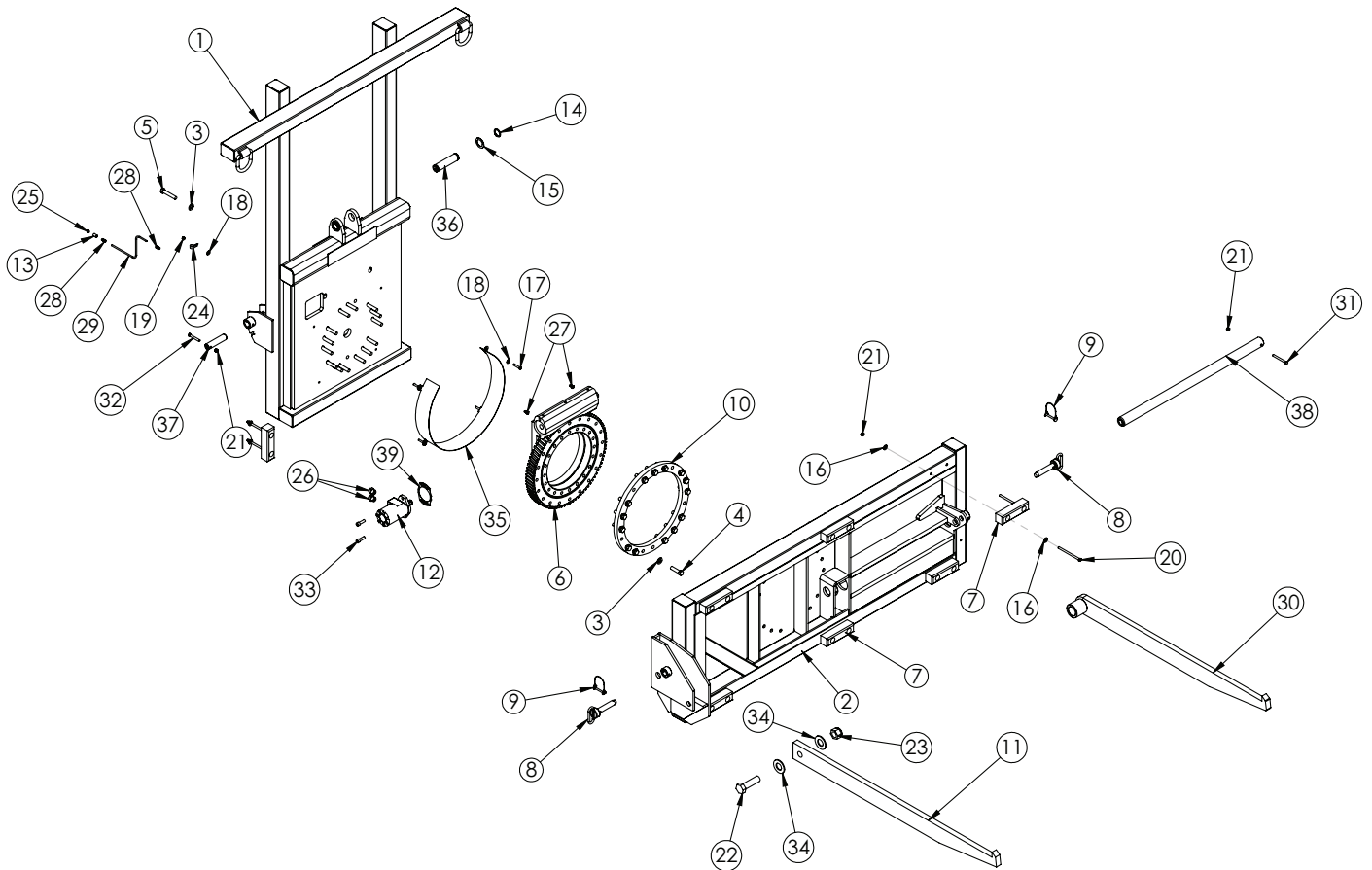
Extendable Fork Frame Assembly - PN 57775



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 1.4GA	2
5	0246	SNAP RING ID 7.200 1.50	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	FIG 6-10 MFS-MOR8 STRAIGHT	2
25	53902	CARRIAGE FRAME WIDMT EXTENDABLE FORKS	1
26	D1810	TBE AIR SAEJ844 TYPE A .25 (RM)	2.5FT
27	D1345	FIG CFSRN 0.12NPT/0.25 TUBE	2
28	C1592	ZERK 1/8 NPT STRAIGHT	1
29	54267	FORK OUTER TUBE WIDMT CS	1
30	54048	FORK OUTER TUBE WIDMT	1
31	54053	FORK INNER WIDMT EXTENDABLE FORKS	2
32	50003	BOLT CARRIAGE 0.38X4.00	2
33	45121	PIN 0.50X4.50 CLEVIS	2
34	47472	HAIR PIN CLIP 0.13X1.56	2
35	45125	PIN HITCH 1.00 FORK KPCC	2
36	45216	PIN 0.31X2.75 WIRE LOCK	2
37	53853	VALVE PLUNGER VILLA HYD NORMALLY CLOSED	1
38	57734	FIG 8-4 M8SPP-MFS STRAIGHT	4
39	56570	VALVE PLUNGER VILLA HYD NORMALLY OPEN	1
40	T1458	MOTOR HYD 10 CU IN/ PNT BLK	1
41	62484	CAP SCR 12MMX40MM SH	2
42	62662	WEAR PAD 2.00X2.00X7.69	6
43	57778	STOP WIDMT SLIDE EXTENDABLE FORKS	1
44	50481	GUARD CONT CARRIER LZR	1
45	45079	PLATE 0.25 KPCC TRUNNION STOP	2
46	21151	GASKET MOTOR 008-10056-1	1

Adjustable Fork Frame Assembly - PN 58145

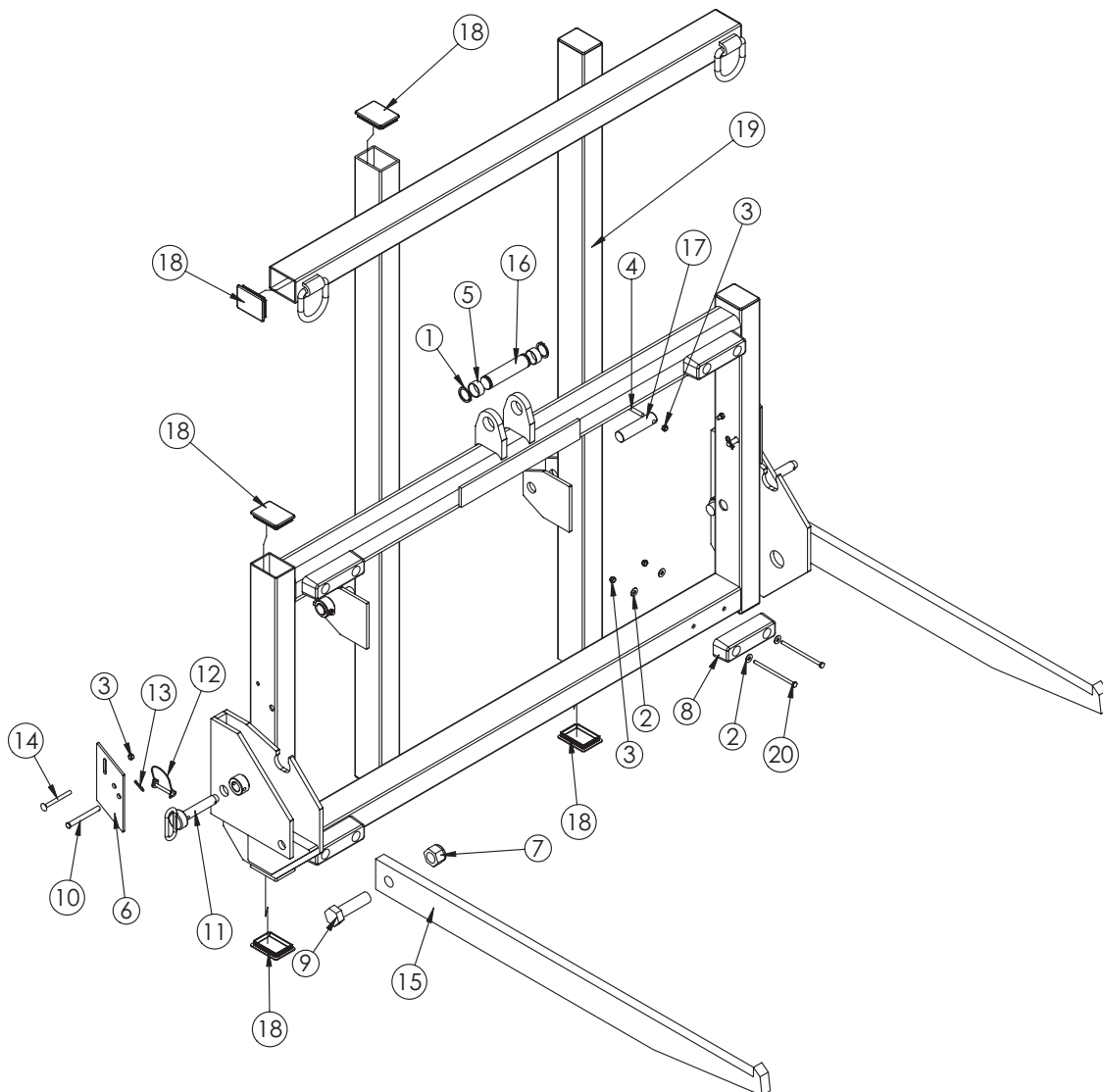


PN 58145

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	C2256	FTG CPLR PIPE 0.13	1
14	0246	SNAP RING ID 7200 1.50	2
15	0376	MACHY WASHER 1.50ID 14GA	2
16	0346	WASHER 0.38 USS FLAT	28
17	0487	CAP SCR 0.31-18X1.75 HHGR5	4
18	0343	WASHER 0.31 USS FLAT	8
19	0342	NUT 0.31-18 HHGR5 NYLOC	4
20	C0936	CAP SCR 0.38-16X6.00 HHGR5	14

ITEM	PART	DESCRIPTION	QTY.
21	0347	NUT 0.38-16 HHGR5 NYLOC	17
22	45120	CAP SCR 1.25-7X4.50 HHGR8	1
23	5223	NUT 1.25-7 HHGR5 NYLOC	1
24	C0078	CLAMP 0.38 BLK VINYL	1
25	c1592	ZERK 1/8 NPT STRAIGHT	1
26	C1855	FTG 6-10 MFS-MORB STRAIGHT	2
27	C5644	ZERK 1/8 NPT 45 DEG	2
28	D1345	FTG CPRSN 0.12NPT/0.25 TUBE	2
29	D1810	TBE AIR SAEJ844 TYPE A .25 (RM)	2.5
30	58147	PLATE FORK WLDMT CONTAINER CARRIER ADJ	1
31	0532	CAP SCR 0.38-16X3.75 HHGR5	1
32	0530	CAP SCR 0.38-16X2.75 HHGR5	2
33	62484	CAP SCR 12MMX40MM SH	2
34	9180	WASHER 1.25 SAE FLAT YELLOW GR8	2
35	50481	GUARD CONT CARRIER LZR	1
36	51309CR	PIN 1.50X6.13 SR	1
37	51311CR	PIN 1.25X5.13 W/ HOLE	2
38	59191CR	PIN STOP CONTAINER CARRIER ADJ 48-76.50	1
39	21151	GASKET MOTOR 008-10056-1	1

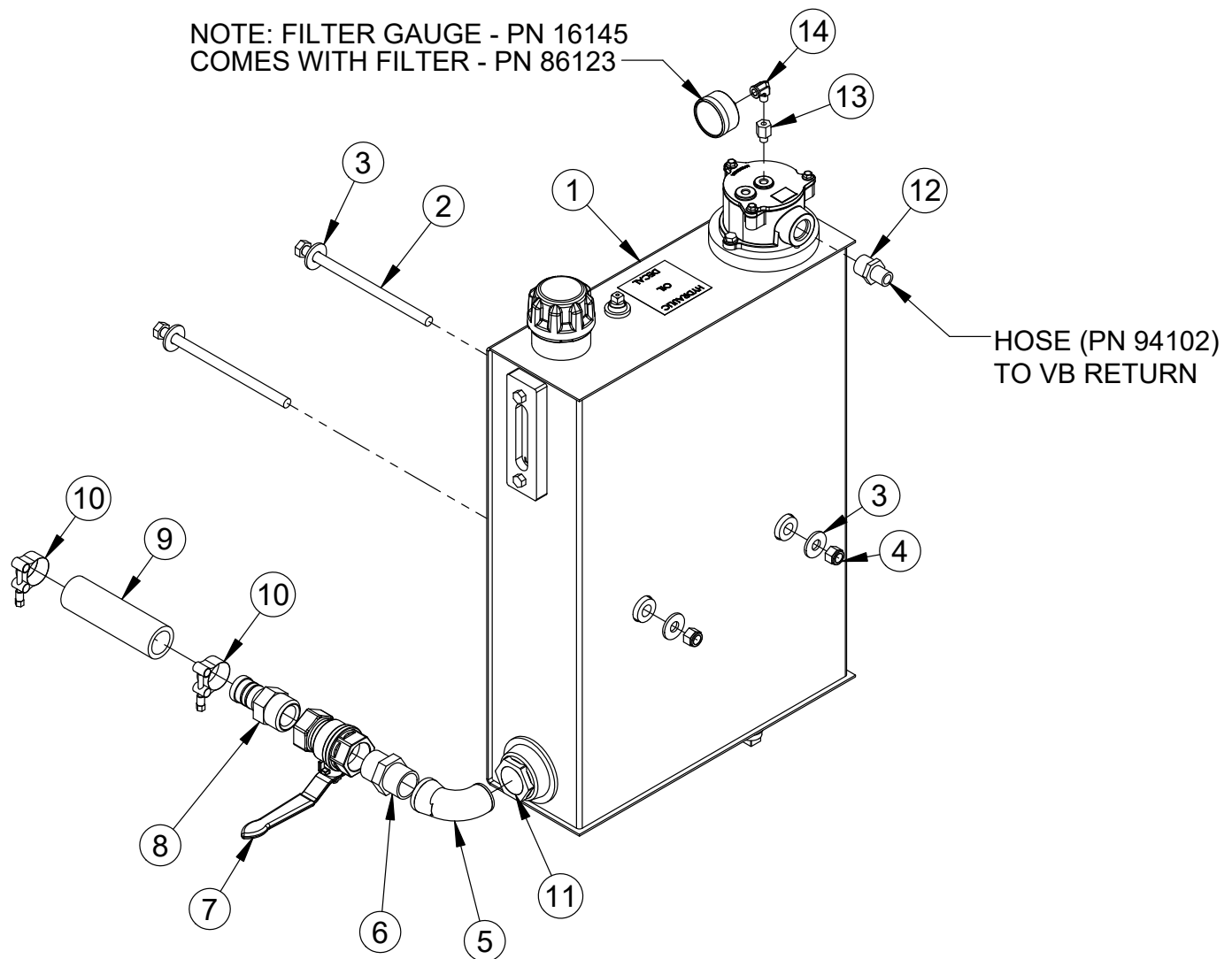
Fork Frame Assembly - PN 53035



ITEM	PART	DESCRIPTION	QTY.
1	0246	SNAP RING ID 7200 1.50	2
2	0346	WASHER 0.38 FLAT	16
3	0347	NUT 0.38-16 HH NYLOC	12
4	0529	CAP SCR 0.38-16X2.50 HHGR5	2
5	21810	BUSHING GSI-2426-12 1.50X0.75	2
6	45079PC	PLATE 0.25 KPCC TRUNNION STOP	2
7	5223	NUT 1.25-7 HHGR5 NYLOC	2
8	62662	BUMPER CONTAINER CARRIER FORK	4
9	45120	CAP SCR 1.25-7X4.50 HHGR8	2
10	45121	PIN 0.50X4.50 CLEVIS	2
11	45125	PIN HITCH 1.00 FORK KPCC	2
12	45216	PIN 0.31X2.75 WIRE LOCK	2
13	47472	HAIR PIN CLIP 0.13X1.56	2
14	50003	BOLT CARRIAGE 0.38X4.00	2
15	51307	PLATE FORK CONTAINER CARRIER EXT	2
16	51309	PIN 1.50X6.13 SR	1
17	51311	PIN 1.25X5.13 W/ HOLE	2
18	52702	PLUG PLASTIC 4.00X3.00 RER-3X4-6-8	10
19	See Below*	FORK FRAME	1
20	C0936	CAP SCR 0.38-16X6.00 HHGR5	8

Model	Full Assembly	Weldment (Item 19)*
Standard	53035	52929
8.0" Drop	73536	73537

Reservoir Assembly - PN 134275



Reservoir Assembly - PN 134275 Parts List

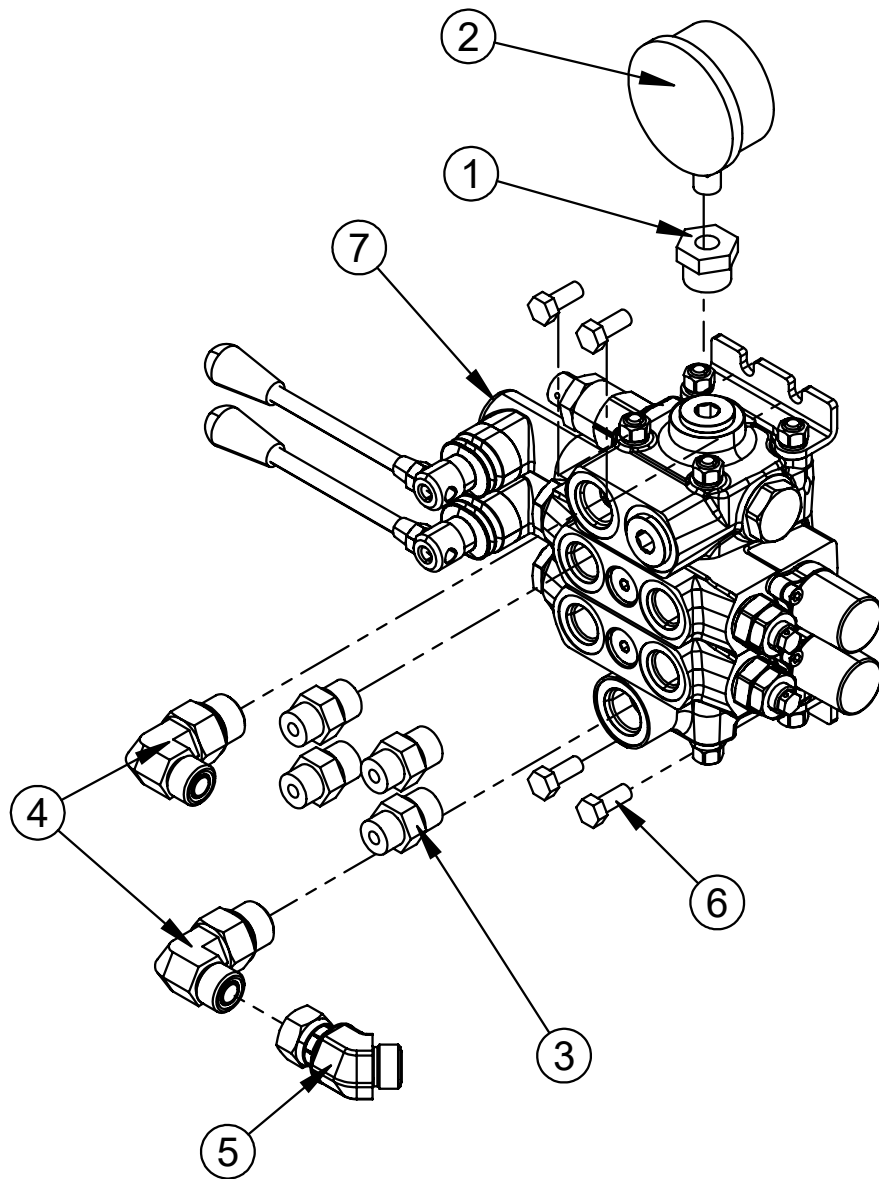
PN 134275

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 90 SHORT-48CL	1

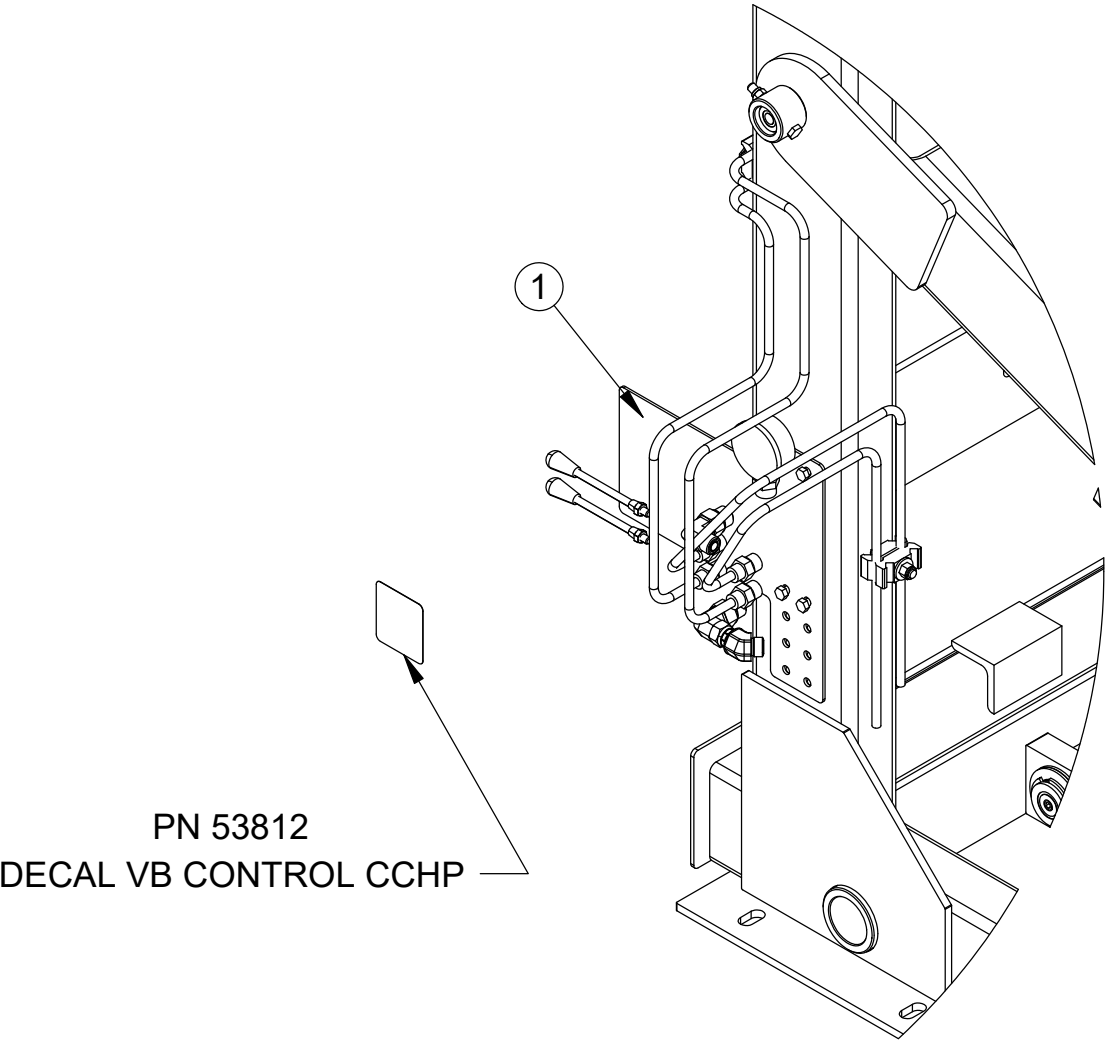
Reservoir Assembly (VB Detail) - PN 134275



PN 134275

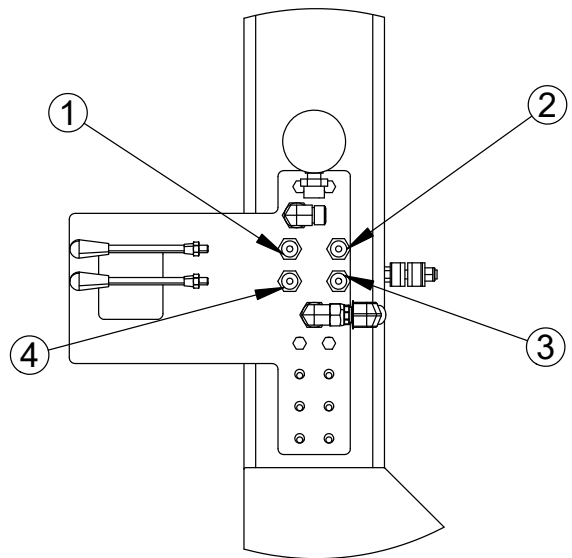
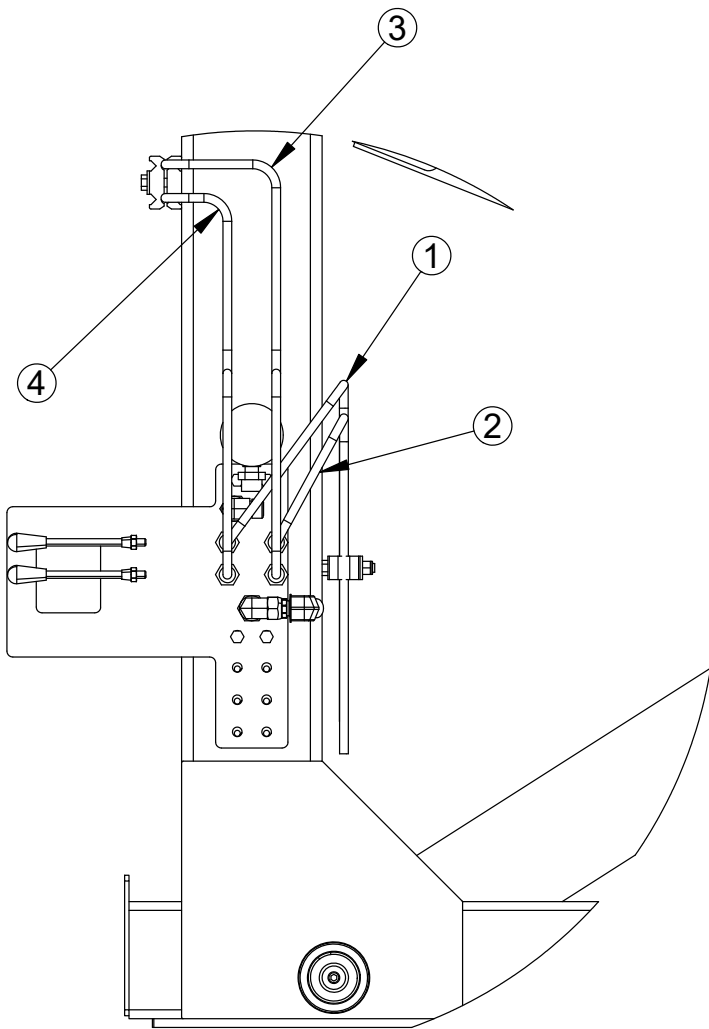
ITEM	PART	DESCRIPTION	QTY
1	25630	FTG 10-4 MORB-FP STRAIGHT	1
2	10094	GAUGE OIL LF 2.5" 0-5000 BM	1
3	C1854	FTG 6-8 MFS-MORB STRAIGHT	4
4	C3643	FTG 8-10 MFS-MAORB 90	2
5	40298	FTG 8-8 MFS-FFSS 45	1
6	0420	CAP SCR 0.31-18X0.75 HHGR5	4
7	133979	VB 2 SECT DVS10 CAPPED SPOOLS	1

Reservoir Assembly (Decal Brkt) - PN 134275



PN 134275 (DECAL BRKT)			
ITEM	PART	DESCRIPTION	QTY
1	52297	BRKT CTRL DECAL ECCR	1
REV. INITIAL RELEASE			

Reservoir Assembly (Port Tubes) - PN 134275

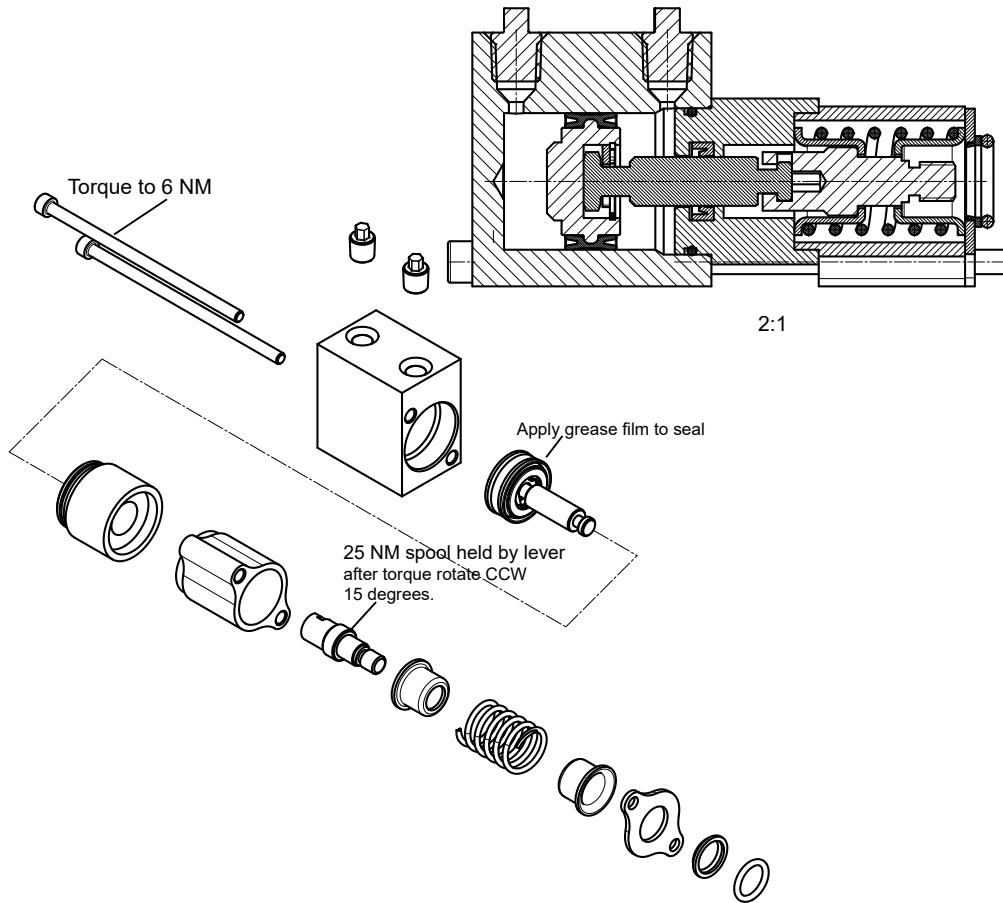


PN 134275 (PORT TUBES)

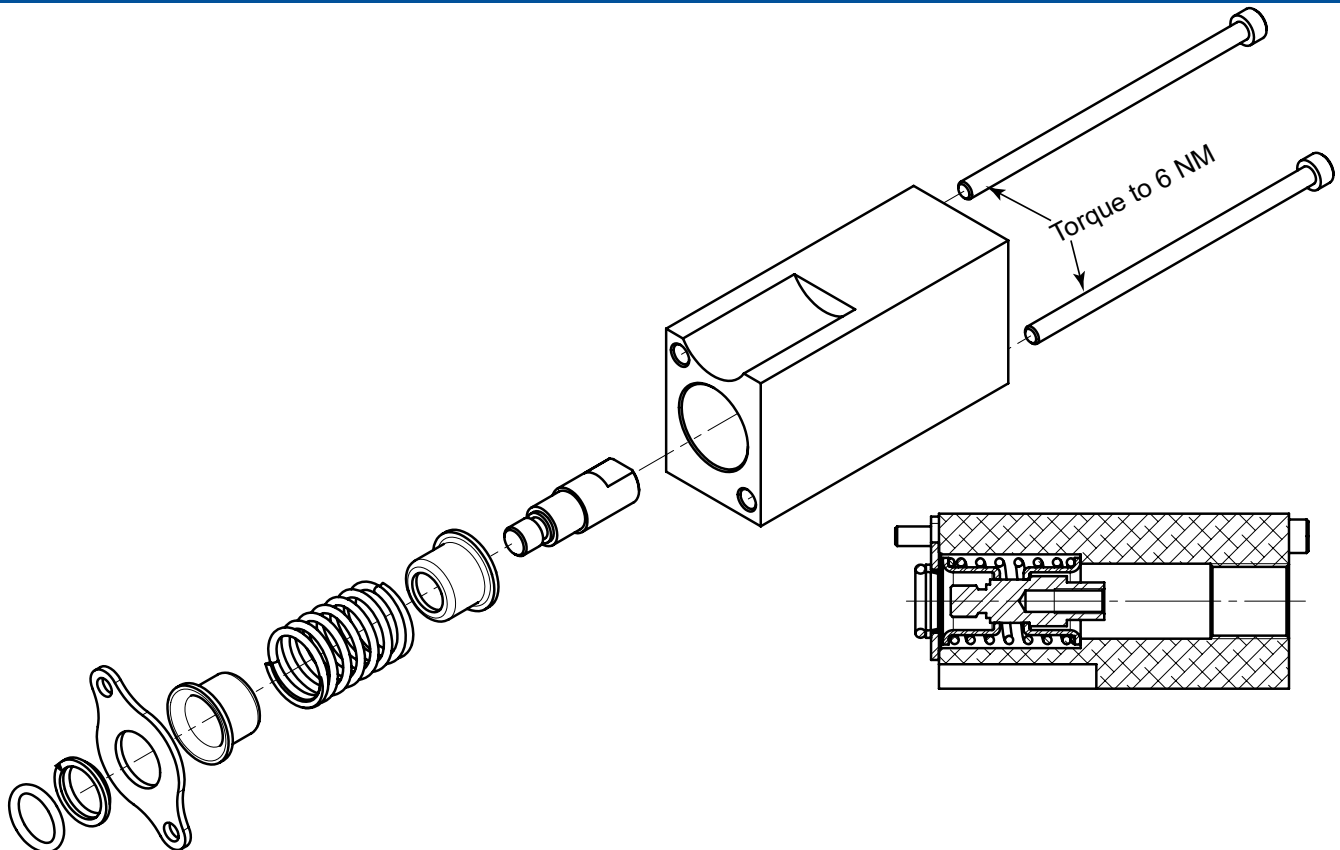
ITEM	PART	DESCRIPTION	QTY
1	52124	TUBE ASM 0.38 ECCR LIFT EXTEND YZ	1
2	52125	TUBE ASM 0.38 ECCR LIFT RETRACT YZ	1
3	53702	TUBE ASM 0.38 CCHP TILT EXTEND YZ	1
4	53703	TUBE ASM 0.38 CCHP TILT RETRACT YZ	1

REV. INITIAL RELEASE

Air Actuator DVS10 - PN 64634



Cable Kit DVS10 - PN 67319

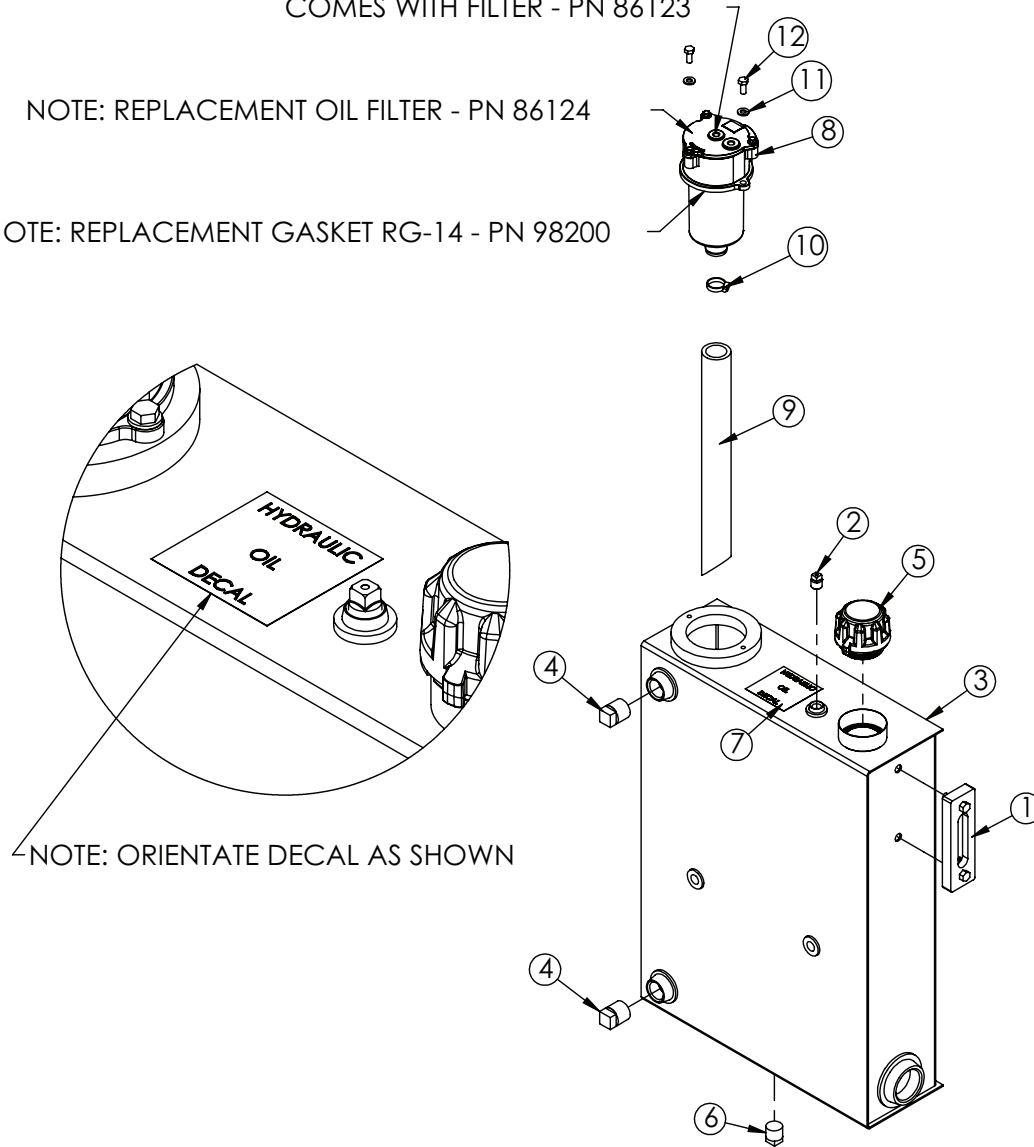


Reservoir Assembly - PN 98545

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

NOTE: REPLACEMENT OIL FILTER - PN 86124

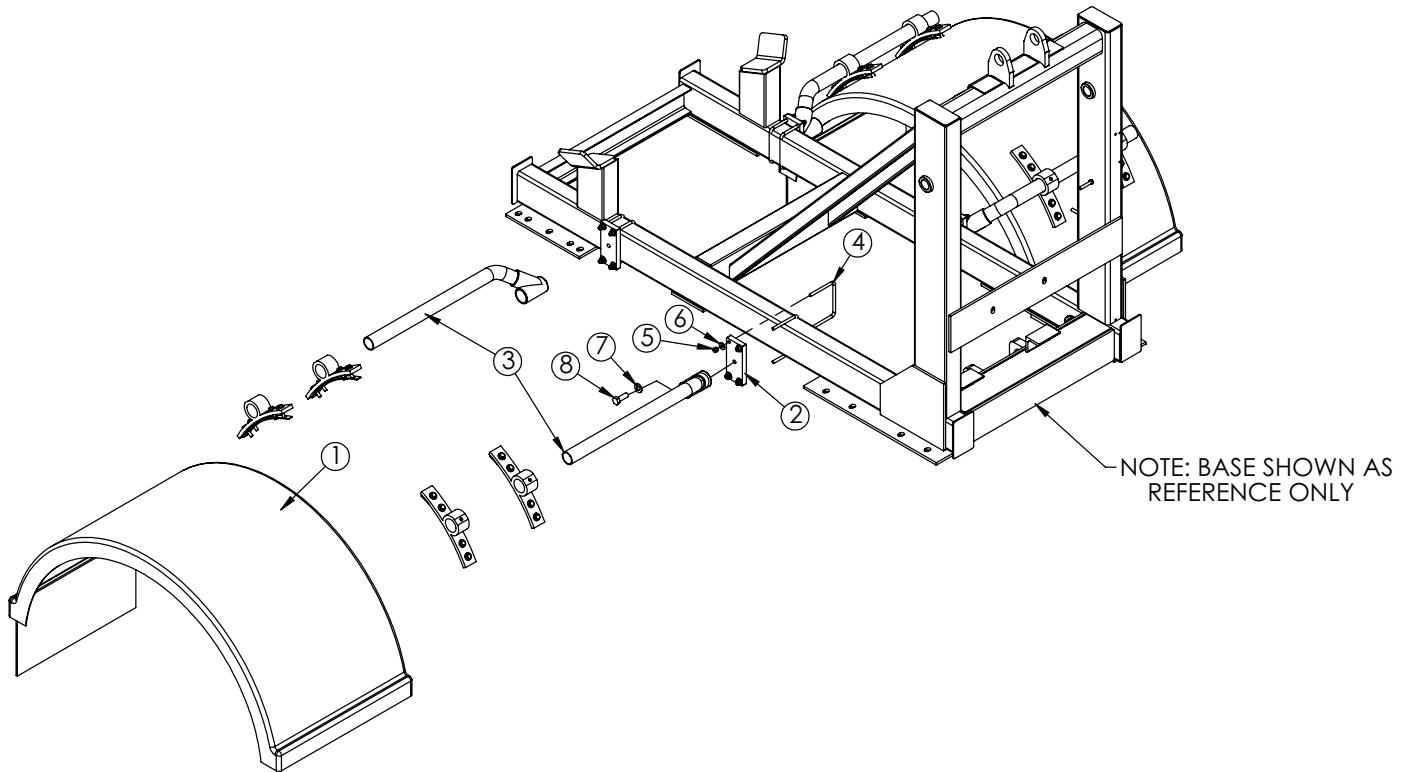
NOTE: REPLACEMENT GASKET RG-14 - PN 98200



PN 98545

ITEM	PART	DESCRIPTION	QTY.
1	15463	THERMO SIGHT GAUGE ZINGA SG-O5-A-T-N	1
2	C4841	PLUG 0.38 NPT SQ HD BLK	1
3	98546	RSRVR WLDMT HYD 10GAL 26HX19WX6D W/TANK TOP FILTER	1
4	C4842	PLUG 1.00 NPT SQ HD BLK	2
5	73278	CAP FILL 1PSI ZINGA THREADED	1
6	C2126	MAGNETIC PLUG DRAIN 3/4"	1
7	13002	DECAL HYD OIL SPECIFICATION MOBIL	1
8	86123	FILTER TANK TOP SFM 12 SAE	1
9	88321	HOSE 1.25X16.50 DOWN TUBE	1
10	C4659	HOSE CLAMP #16 SS	1
11	5591	WASHER 0.31 SAE FLAT YELLOW GR8	2
12	0420	CAP SCR 0.31-18X0.75 HHGR5	2

Fender Kit Assembly - PN 80045



PN 80045

ITEM	PART	DESCRIPTION	QTY.
1	4467	FENDER(SINGLE) 2 TON PLASTIC W/7633	2
2	74734	FLAT 0.75X3.00X6.50 CR W/HOLES	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



Subject to Change without Notification.
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