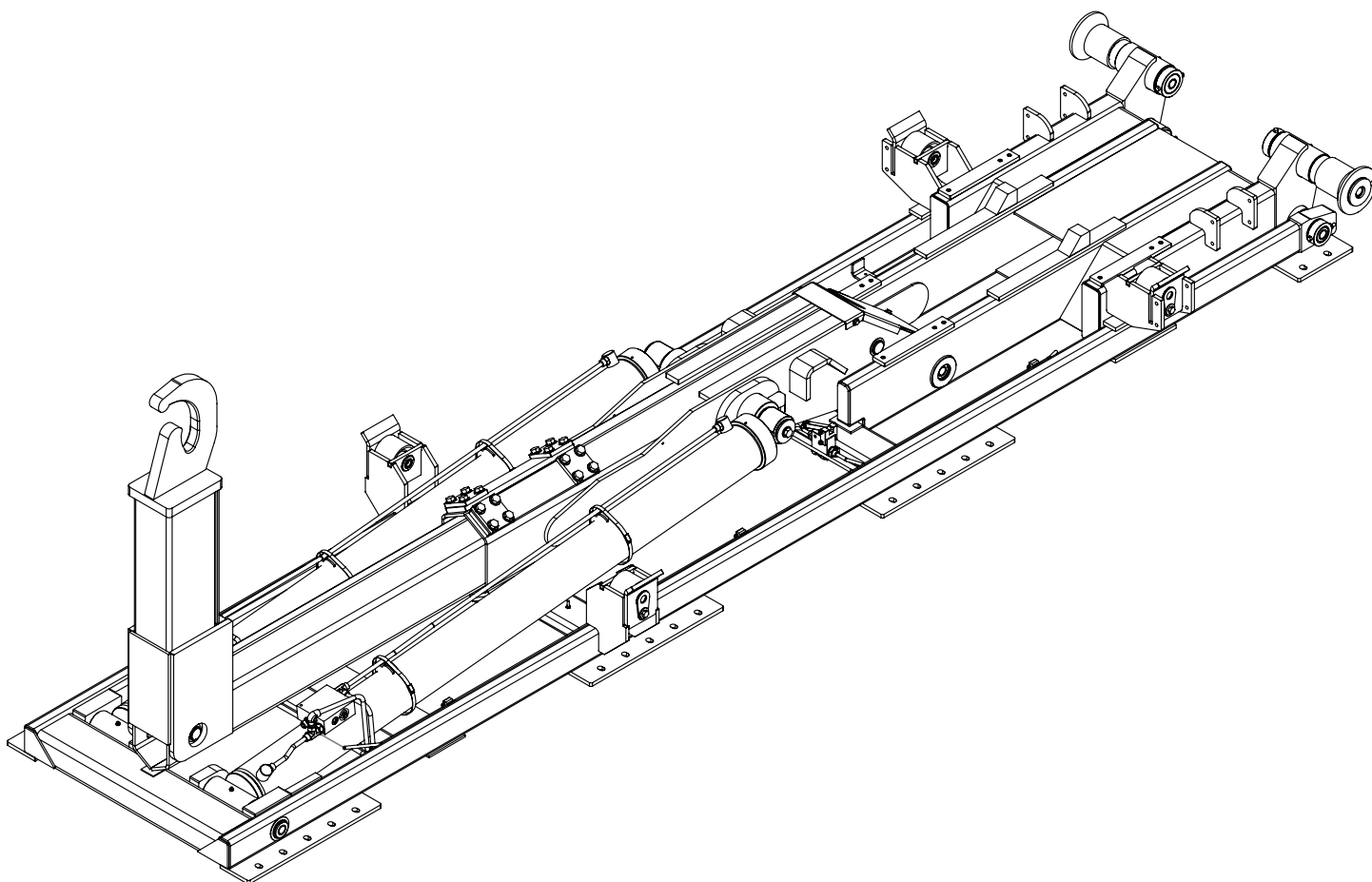




SLIDER26 HOOKLIFT

OWNERS' MANUAL

Safety • Operation • Installation • Maintenance



Stellar Industries, Inc.

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Last Revision: 06/16/11

Slider26 Hooklift Manual Revisions

Date of Revision	Section Revised	Description of Revision
July 30th, 2010	Chaper 6 - Assembly Drawings	Updated Secondary Assembly to reflect engineering changes.

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AN OVERVIEW TO OWNER, OPERATOR AND SERVICE PERSONNEL ABOUT SAFETY

As the owner or employer, it is your responsibility to instruct the operator in the safe operation of this equipment and to provide the operator with properly maintained equipment.

FAILURE TO READ THIS MANUAL BY ANYONE WHO WILL OPERATE, SERVICE, OR WORK AROUND THIS HOOKLIFT IS A MISUSE OF THE EQUIPMENT. DEATH OR SERIOUS INJURY WILL RESULT FROM IMPROPER USE OR MAINTENANCE OF THIS MACHINE.

Occupational safety is a prime concern of Stellar Industries in the design and production of this hooklift. Our goal in writing this manual was the safety of the operator and others who work around this equipment.

It is your responsibility to know the specific requirements, governmental regulations, precautions and work hazards that exist in the operation and maintenance of this hooklift. You shall make these available and known to all personnel working with and around the equipment, so that all of you will take the necessary and required safety precautions.

FAILURE TO HEED THESE INSTRUCTIONS CAN RESULT IN SERIOUS INJURY OR DEATH.

It is also your responsibility to operate and maintain your hooklift with caution, skill, and good judgment. Following the recognized safety procedures will help you avoid accidents. Modification to any part of this hooklift can create a safety hazard and therefore shall not be made without the manufacturer's written approval. Use only factory approved accessories, options, and parts on this equipment. The rebuilding or remounting of this equipment requires the mounting procedures and retesting to be in accordance with factory instructions. Safety covers and devices must remain installed and maintained in proper working condition. Safety decals must be maintained, be completely legible, and be properly located. If safety covers, devices, or decals are missing, they must be replaced with the proper designated Stellar part.

Be capable, careful, and concerned! Make safety your everyday business!

Attention!

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

www.gpoaccess.gov/nara/index.html for the full text of Code of Federal Regulations.

Introduction

Stellar Hooklifts are designed to provide safe and dependable service for a variety of operations. With proper use and maintenance, these hooklifts will operate at peak performance for many years.

To promote this longevity, carefully study the information contained in this manual before putting the equipment into service. Though it is not intended to be a training manual for beginners, this manual should provide solid guidelines for the safe and proper usage of the hooklift.

Once you feel comfortable with the material contained in this manual, strive to exercise your knowledge as you safely operate and maintain the hooklift. This process is vital to the proper use of the unit.

A few notes on this manual:

A copy of this manual is provided with every hooklift and shall remain with the hooklift at all times. Information contained within this manual does not cover all maintenance, operating, or repair instructions pertinent to all possible situations.

Please be aware that some sections of this manual contain information pertaining to

Stellar manufactured hooklifts in general and may or may not apply to your specific model.

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.

In closing:

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.

ATTENTION

Failure to adhere to the instructions could result in property damage or even serious bodily injury to the operator or others close to the hooklift.

**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

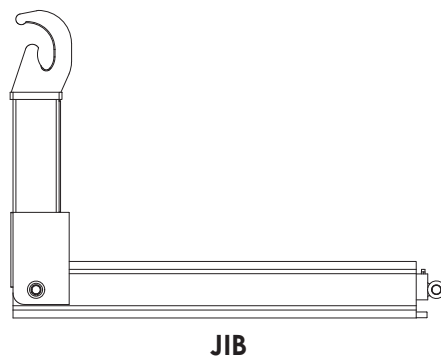
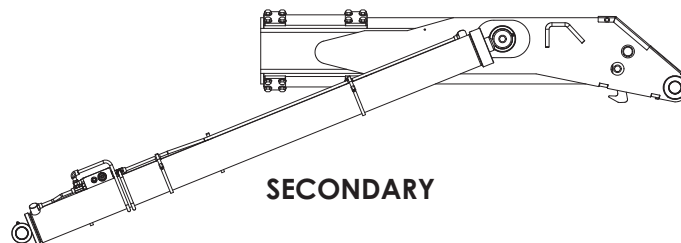
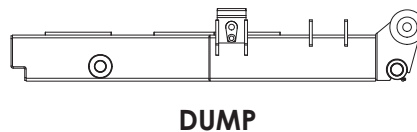
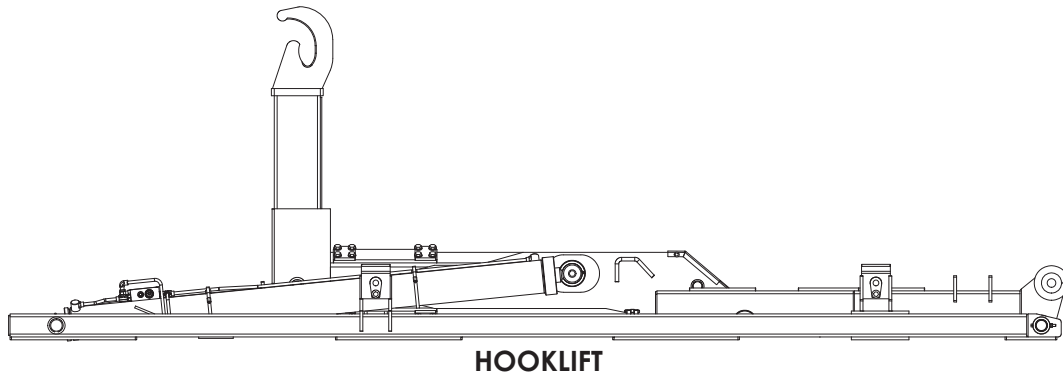
Warranty Information

warranty@stellarindustries.com

Hooklift Nomenclature

The Stellar Slider is a hydraulic, body-loading device when mounted on a truck chassis. It can handle a multitude of bodies ranging from flatbeds to recycling containers and dump bodies.

The Slider consists of four basic parts: the base, dump, secondary, and jib sections. Please take the time to familiarize yourself with the various components. Knowing the proper terminology is necessary to get the full benefit of this manual.



Chapter 1 - Safety

Please Read the Following Carefully! This portion of the manual contains information regarding all Stellar manufactured hooklifts. Some items contained within this chapter may not apply to your specific equipment.

Safety should be the number one thought on every operator's mind. Three factors should exist for safe operation: a qualified operator, well-maintained equipment, and the proper use of this equipment. The following information should be read and understood completely by everyone working with or near the hooklift before putting the unit into operation.

Please take note that Stellar Industries, Inc. is not liable for accidents incurred by the hooklift because of non-fulfillment from the operator's side of current rules, laws, and regulations.

General Safety

It is the responsibility of the owner to instruct the operator in the safe operation of your equipment and to provide the operator with properly maintained equipment.

Trainees or untrained persons shall be under the direct supervision of qualified persons.

Do not operate equipment under the adverse influence of alcohol, drugs, or medication.

Read all Danger and Caution decals on the equipment and understand their meaning.

Personal Safety

Keep clear of all moving parts.

Always wear the prescribed personal safety devices.

Always wear approved accident-prevention clothing such as: protective helmets, anti-slip shoes with steel toes, protective gloves,

anti-noise headphones, protective glasses, breathing apparatus, and reflective jackets. Consult your employer regarding current safety regulations and accident-prevention equipment.

Do not wear rings, wristwatch, jewelry, loose-fitting or hanging clothing such as ties, torn garments, scarves, unbuttoned jackets or unzipped overalls, which could get caught up in the moving parts of the hooklift.

Keep a first-aid box and a fire extinguisher readily available on the truck. Regularly check to make sure the fire extinguisher is fully charged and the first-aid kit is stocked.

Do not use controls and hoses as handholds. These parts move and cannot provide stable support.

Do not allow unauthorized personnel or equipment to enter within 10 feet of hooklift operating area.--

Never allow anyone to ride the hooklift or load.

Maintenance Safety

Never modify or alter any of the equipment, whether mechanical, electrical, or hydraulic, without Stellar Industries' approval.

Do not perform any maintenance or repair work on the hooklift unless authorized and trained to do so.

Release system pressure before attempting to make adjustments or repairs.

Do not attempt service or repair when PTO is engaged.

Decals are considered safety equipment. They must be maintained, as would other safety devices. Do not remove any decals.

Replace any decals that are missing, damaged, or not legible.

The safety instruction plates, notices, load charts and any other sticker applied to the hooklift must be kept legible and in good condition. If necessary, replace them.

Keep all surfaces of the hooklift free of oil and grease to avoid slippery surfaces and aid in inspections.

Stability

Know the hooklift components and their capabilities and limitations. Overloading the hooklift may result in serious damage of self, others, equipment or the surroundings.

Never exceed manufacturer's load ratings. These ratings are based on the machine's hydraulic, mechanical, and structural design rather than stability.

Load Safety

Full rated dump capacity assumes load will decrease as dump angle increases. Do not take full rated capacity to full dump angle without some unloading of weight as it may cause damage to the chassis and/or the hooklift.

Move the control lever slow and smooth for steady oil flow.

Avoid jerky or sudden movement of the controls.

Be constantly aware of the hooklift position when operating the controls.

Do not attempt to lift fixed loads.

Know the weight of your load to avoid overloading the equipment.

Deduct the weight of the body from the maximum load rating to determine how

much weight can be lifted.

Keep everyone clear when loading, unloading, and dumping.

Do not push on fixed objects or bodies without rollers with the hooklift.

Do not permit loose objects on the hooklift.

Use a qualified person to assist in loading when the load is not visible to the operator.

Do not leave hooklift unattended with suspended load.

Take care when operating in areas supported by vehicle tires, because of the cushioning effect of springs and tires.

Never use the drivetrain of the chassis to assist the hydraulics in loading

Environment

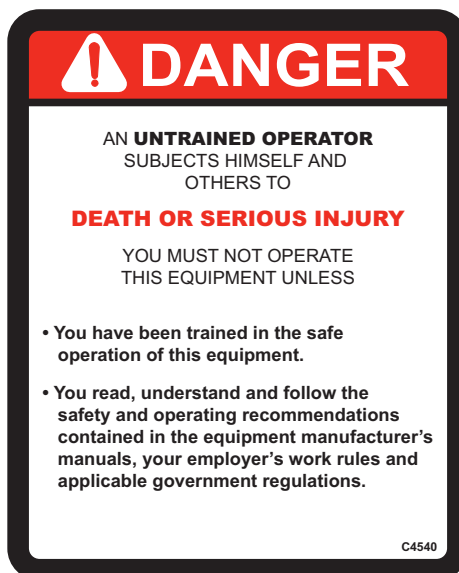
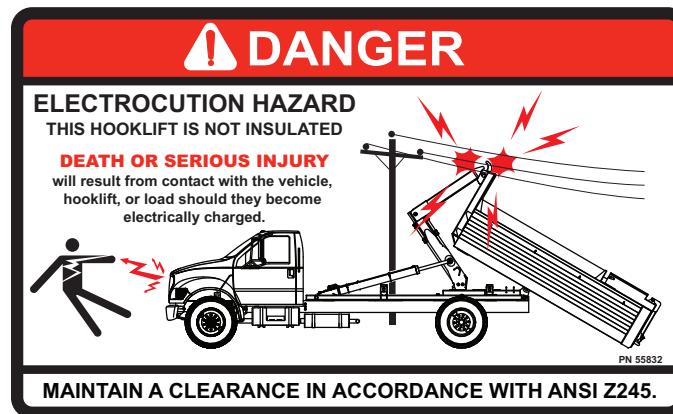
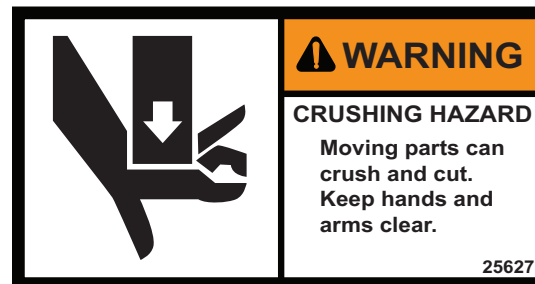
Do not operate the hooklift during electrical storms.

In extreme cold, allow adequate time to warm the truck before engaging the PTO. Do not rev the truck engine and over speed the hydraulic pumps as permanent damage to the pumps may occur. Follow the vehicle owner's manual regarding operating the vehicle in such adverse conditions.

In extreme cold, operate the controls slowly to allow for viscosity changes.

ATTENTION
Stellar Industries, Inc. is not liable
for accidents incurred by the
hooklift because of the
operator's non-fulfillment of
current rules, laws and
regulations.

Safety Decals of Note



Chapter 2 - Operation

Job-Site Set-Up

Thoroughly plan the lift before positioning the vehicle. Consider the following:

1. The vehicle should be positioned in an area free from overhead obstructions to eliminate the need for repositioning.
2. Position the vehicle so that it is impossible for any portion of the equipment to come within the minimum required safe distance of any power line. Maintain a clearance in accordance with ANSI Z245.
3. The vehicle should also be positioned on a firm and level surface that will provide adequate support for the body.
4. The parking brake should be removed to allow the truck to roll under the body while loading.

In some situations, the foot brake may be used to position the body. **If the container will experience a significant restriction to movement during unloading, the foot brake must not be used.**

Operator Requirements

Operation is limited to the following people:

- A. Qualified individual.
- B. Trainees under direct supervision of the qualified individual.
- C. Test or maintenance individual.
- D. Hooklift Inspector.

Operators must:

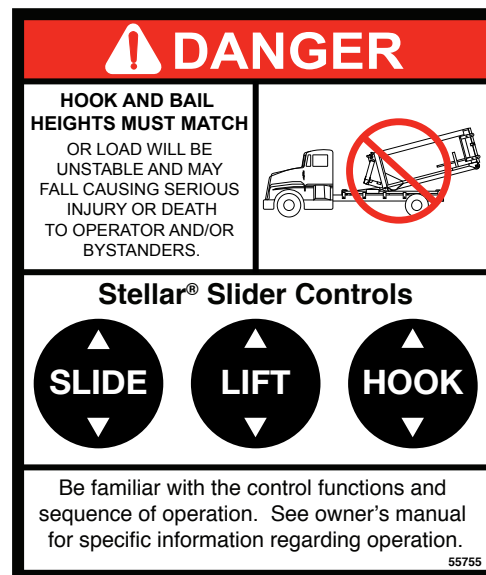
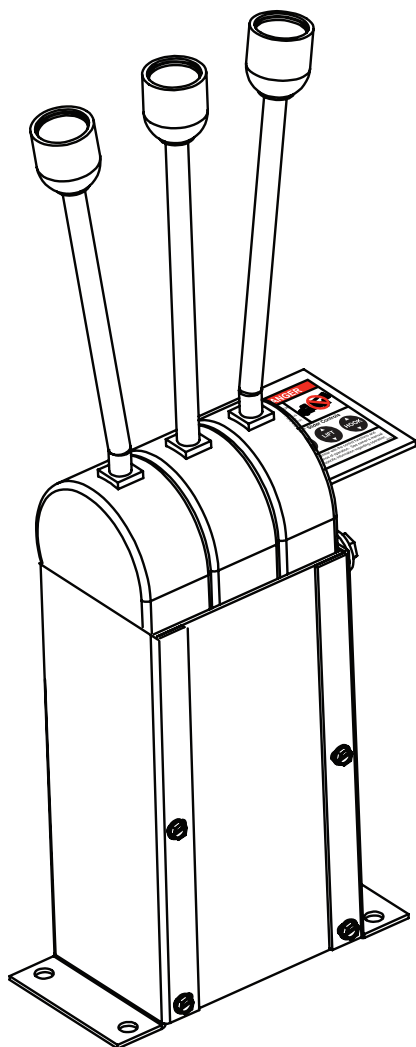
- A. Demonstrate the ability to understand all decals, the owner's manual, and any other information required for safe operation of the hooklift.
- B. Be able to demonstrate the ability to safely control the hooklift.
- C. Know all safety regulations.
- D. Be responsible for maintenance requirements.
- E. Understand and be fully capable of implementing all emergency procedures.
- F. Understand the operating procedures as outlined by this manual, ANSI Z245 and Federal/State Laws.

Operator Conduct

1. Operators will not engage in any operation that would cause them to divert attention away from the operation of the hooklift.
2. Operators are responsible for all operations under their direct control.
3. Operators will not leave a suspended load unattended.
4. Operators will be familiar with the equipment and the maintenance required for proper care.

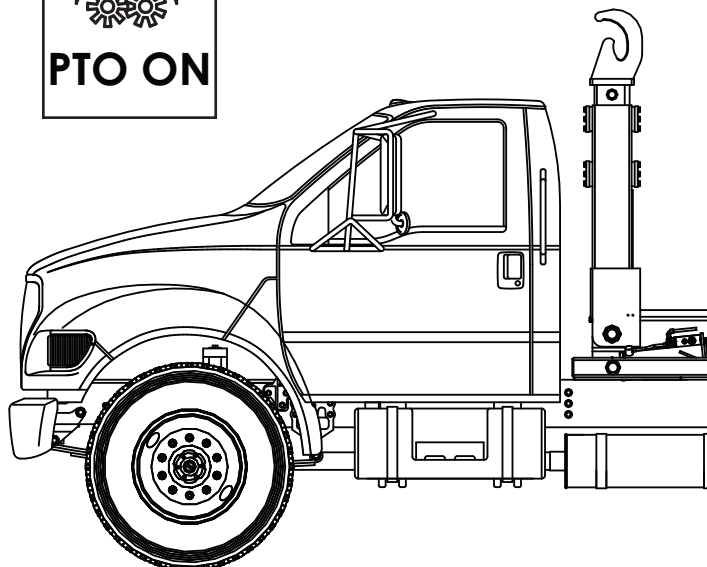
Hooklift Controls

1. Be familiar with the sequence and operation of the hooklift controls.
2. Each individual hooklift function should have control function decals. Replace them immediately if they are missing or illegible.
3. Keep hands, feet and control levers free from mud, grease and oil.
4. Be familiar with the control levers and how they operate before attempting to operate the hooklift.
5. Be prepared before beginning operation of the hooklift:
 - All protective guards must be in place.
 - Be aware of the surroundings: low branches, power lines, unstable ground.
 - Be sure all safety devices provided are in place and in good operating condition.
 - Be prepared for all situations. Keep fire extinguisher and first aid kit near.
 - Be sure all regular maintenance has been performed.
 - Visually inspect all aspects of the hooklift for physical damage.
 - Check for fluid leaks.

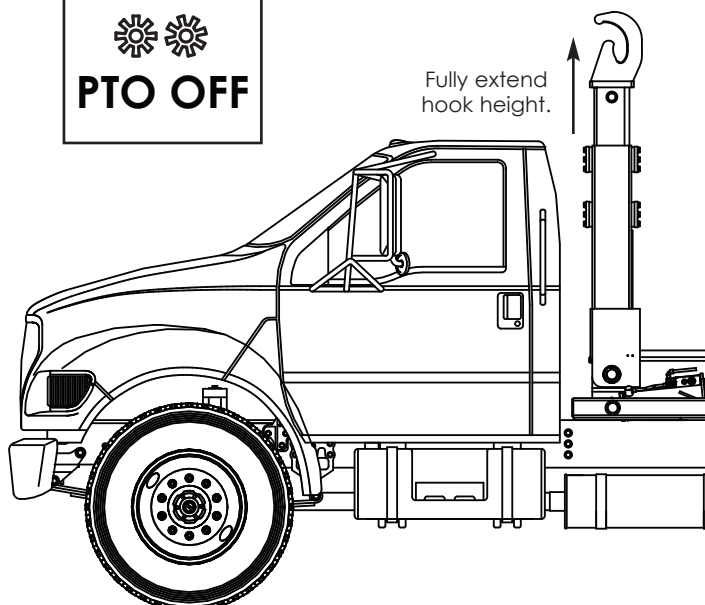


Hydraulic Hook Height Adjustment - Raise

With the hooklift in the stowed position without a body, put the truck in neutral and engage the PTO.

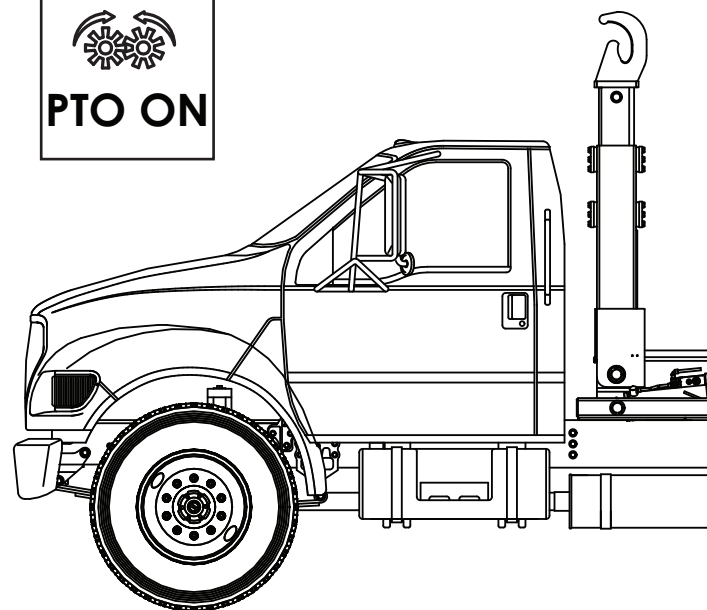


Pull the control lever labeled 'hook' to raise the hook height. When raised completely, release the lever and disengage the PTO.

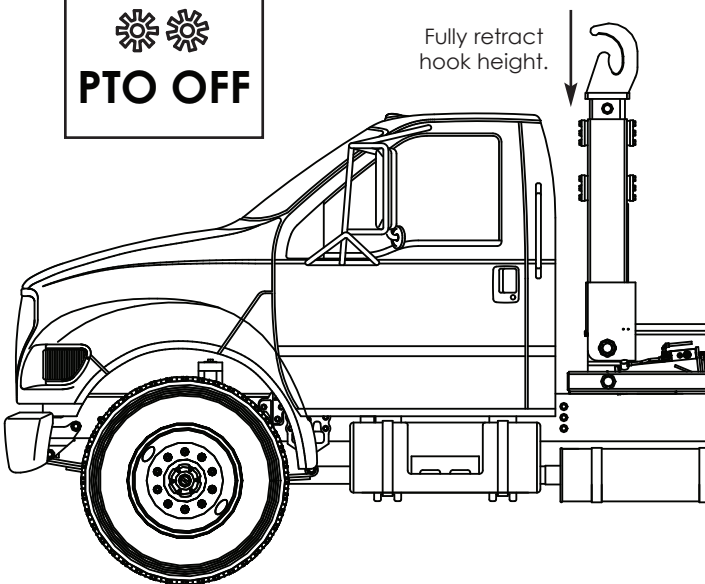


Hydraulic Hook Height Adjustment - Lower

With the hooklift in the stowed position without a body, put the truck in neutral and engage the PTO.



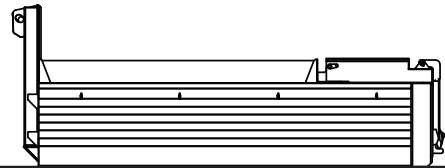
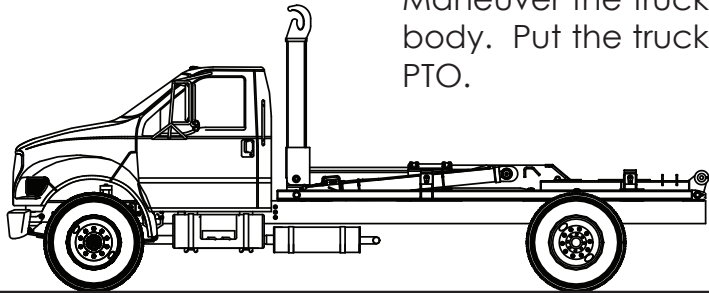
Push the control lever labeled 'hook' to lower the hook height. When lowered completely, release the lever and disengage the PTO.



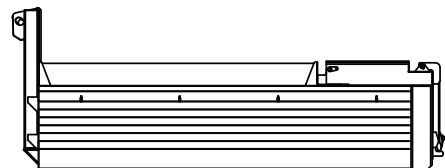
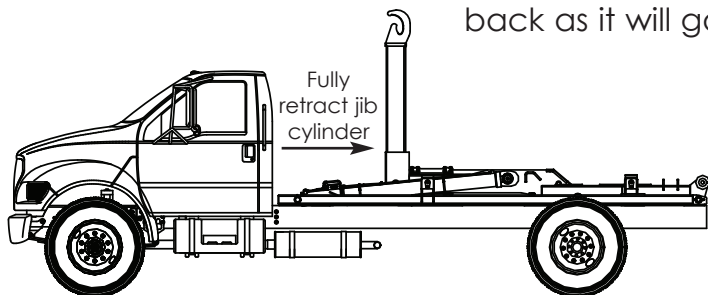
Loading Operation

Note: Hook and bail heights must match.

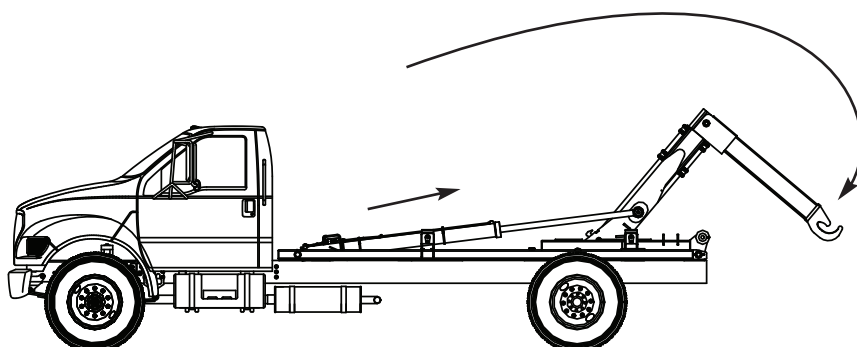
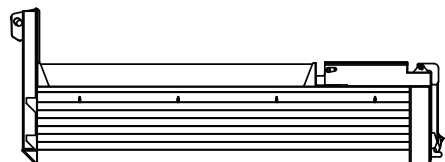
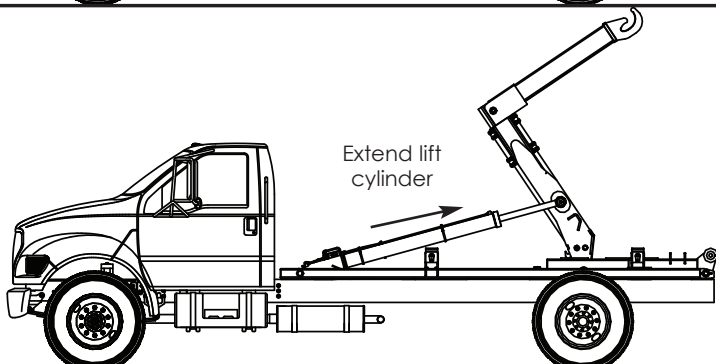
Maneuver the truck into a position to load the body. Put the truck in neutral and engage the PTO.



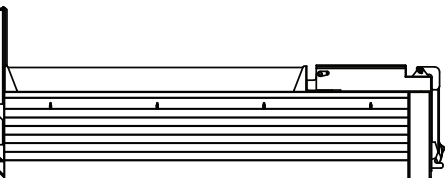
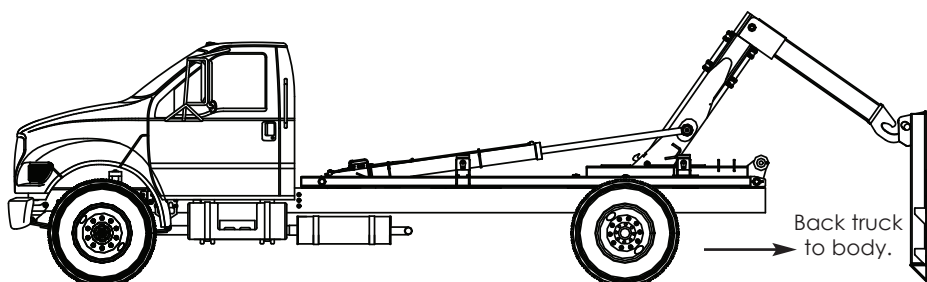
Pull the control lever labeled 'Jib' to slide the jib as far back as it will go, effectively releasing the dump latches.



Pull the control lever labeled 'Lift' until the hook is in a position to attach to the body.



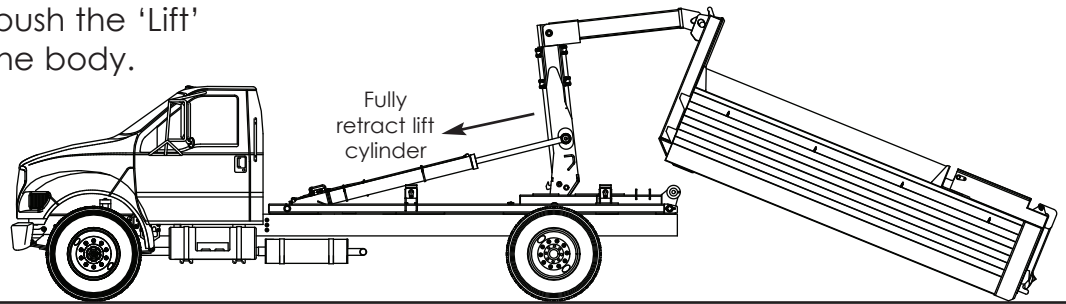
Slowly back up and attach to the body by using the 'Lift' control lever as necessary.



Loading Operation Continued...

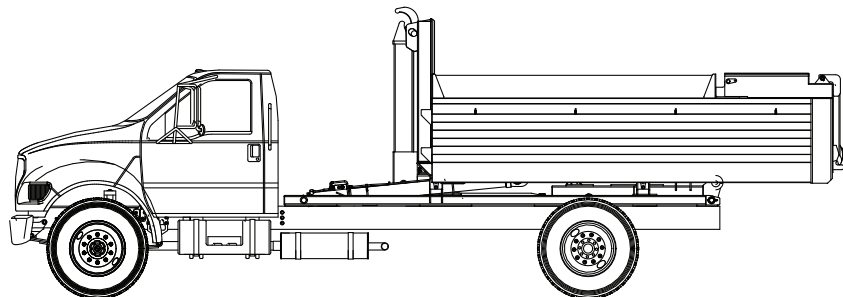
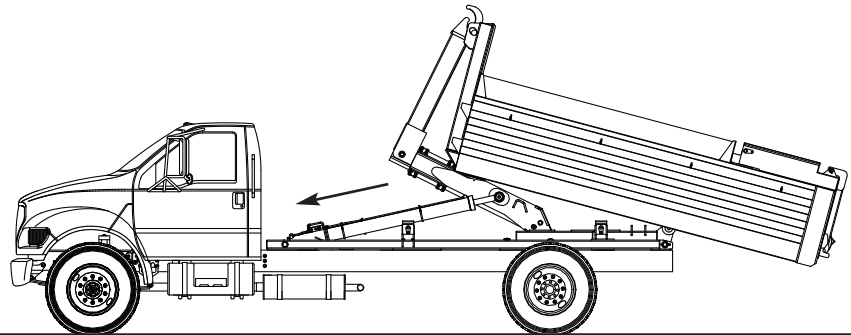
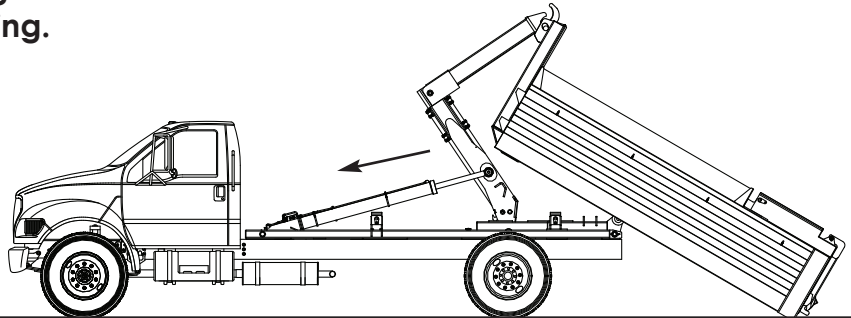
Note: Hook and bail heights must match.

Once fully attached, push the 'Lift' control lever to load the body.

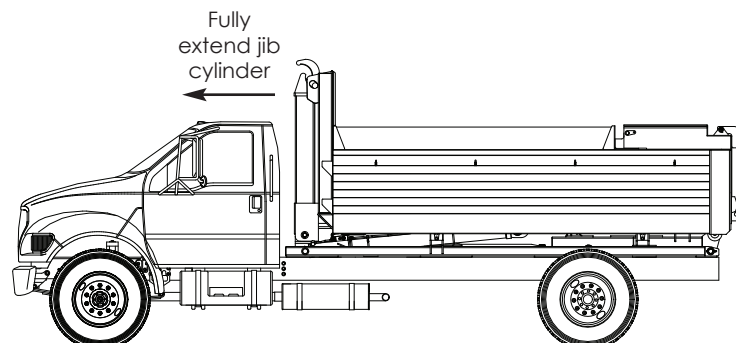


Note: Make sure the body is lining up with the rear rollers while loading.

Note: If the container will experience a significant restriction to movement during loading, the foot brake must not be used. Allow the truck to roll under the load.



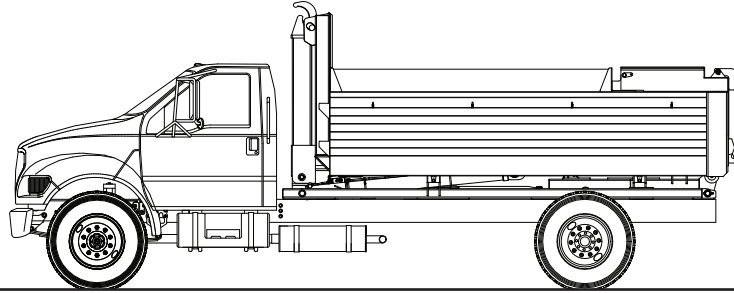
Finally, push the control lever labeled 'Jib' to slide the jib forward until the body latches fully engage. Disengage the PTO.



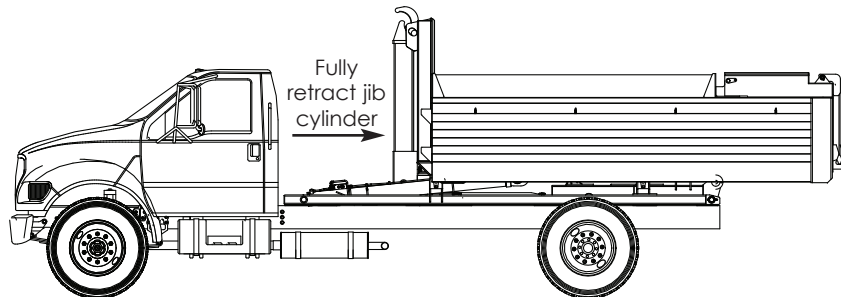
PTO OFF

Unloading Operation

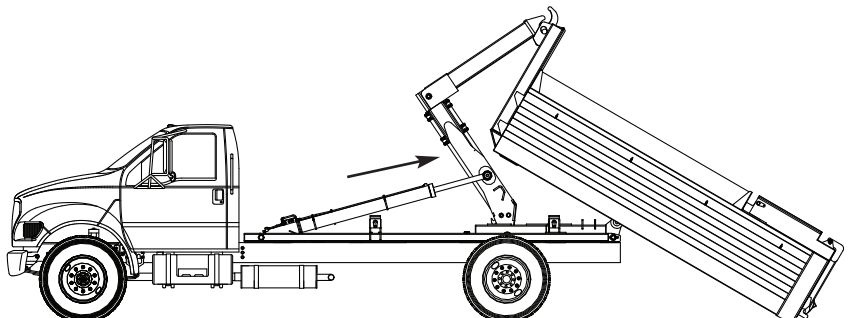
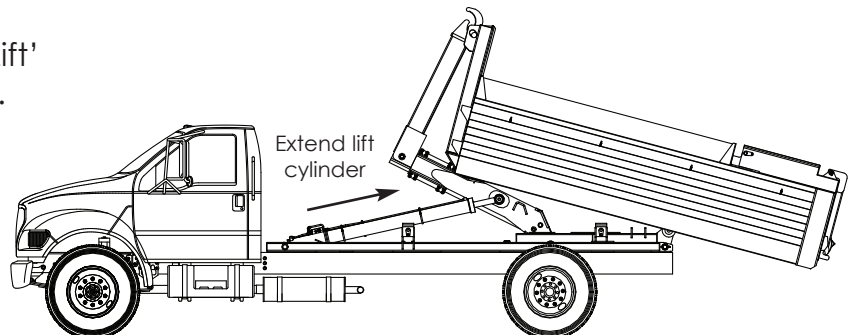
Put the truck in neutral and engage the PTO.



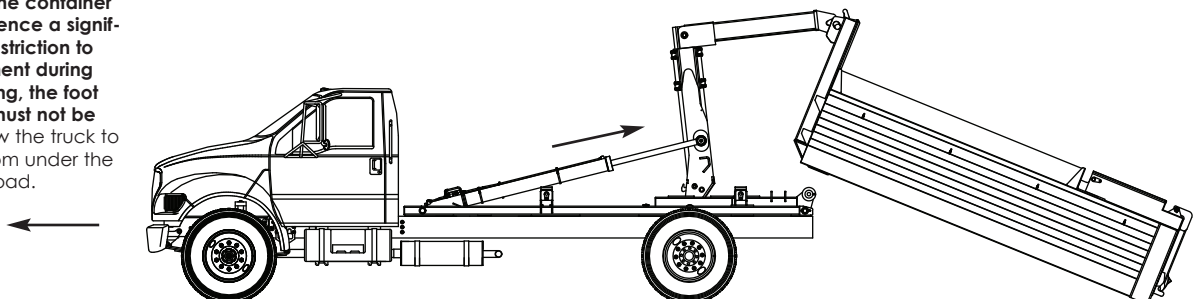
Pull the control lever labeled 'Jib' to slide the jib as far back as it will go, effectively releasing the dump latches.



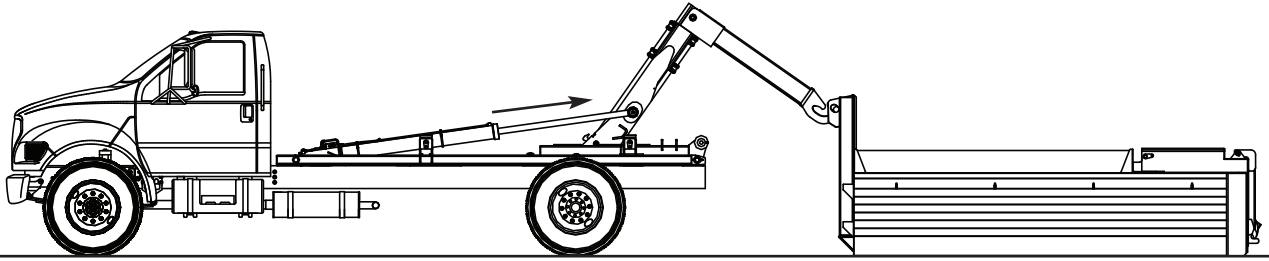
Pull the control lever labeled 'Lift' until the body is on the ground.



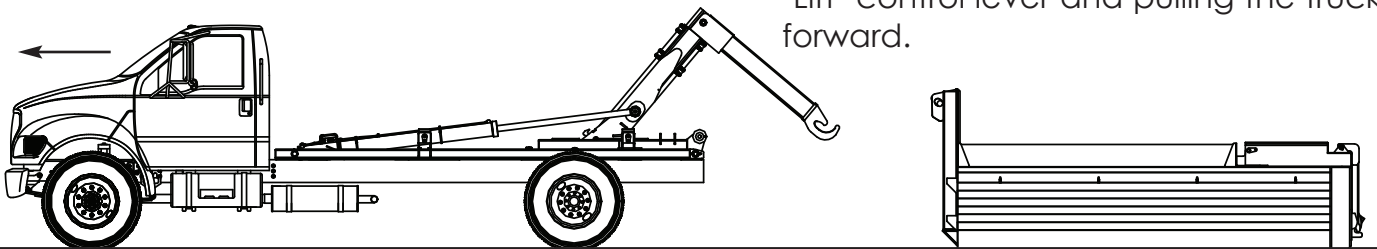
Note: If the container will experience a significant restriction to movement during unloading, the foot brake must not be used. Allow the truck to roll out from under the load.



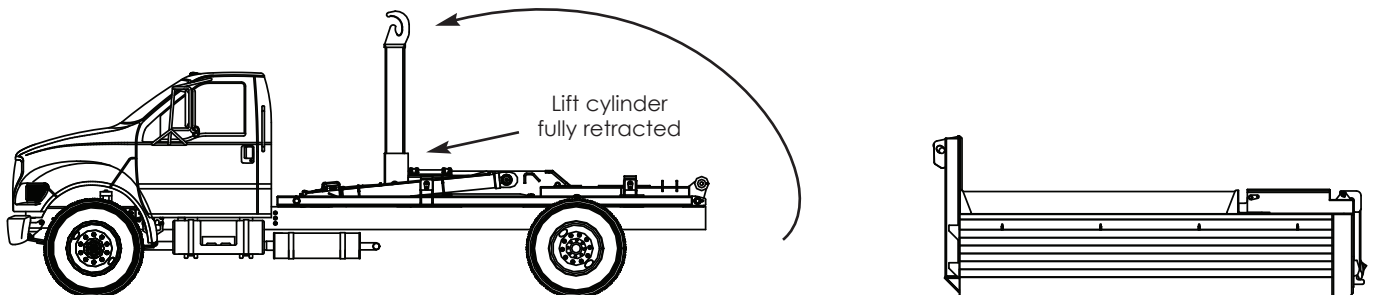
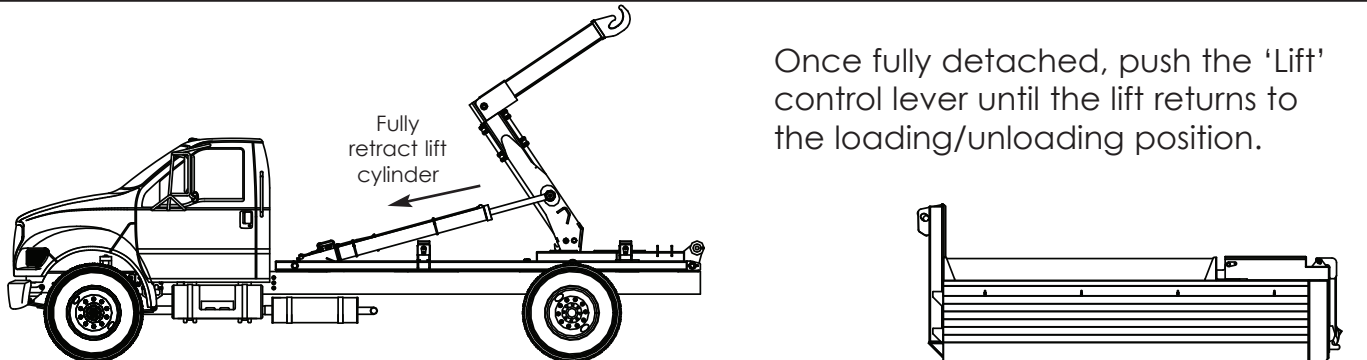
Unloading Operation Continued...



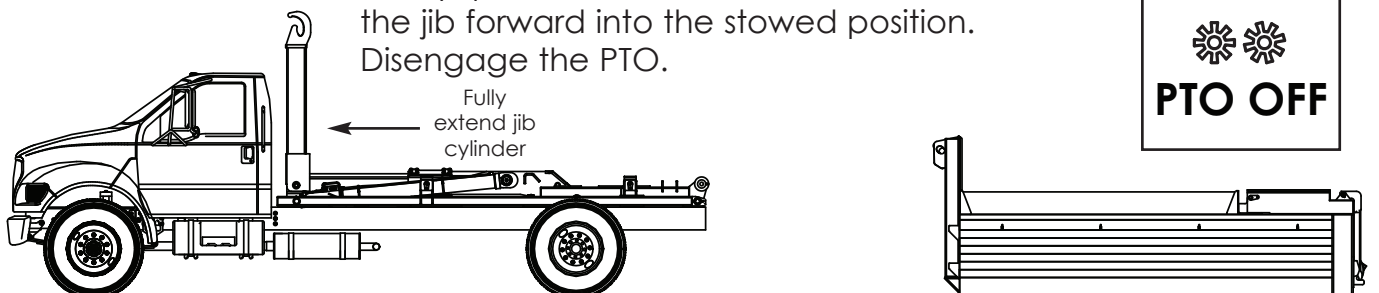
Detach the hooklift from the container by maneuvering the hook using the 'Lift' control lever and pulling the truck forward.



Once fully detached, push the 'Lift' control lever until the lift returns to the loading/unloading position.

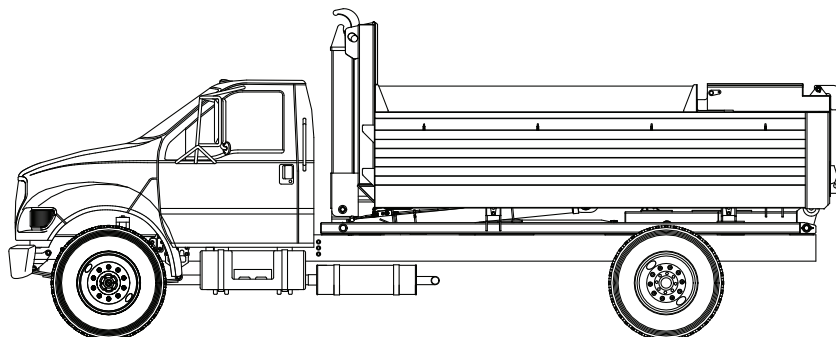


Finally, push the control lever labeled 'Jib' to slide the jib forward into the stowed position. Disengage the PTO.

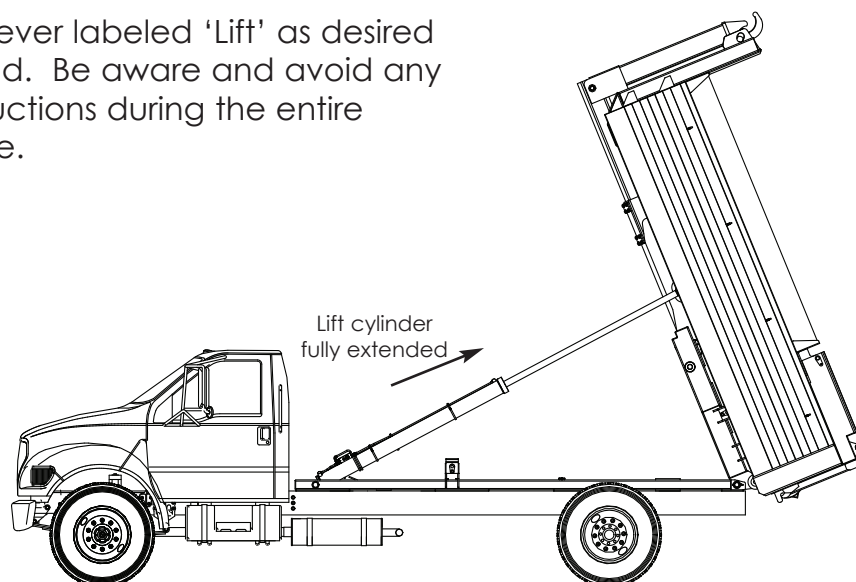


Dumping Operation

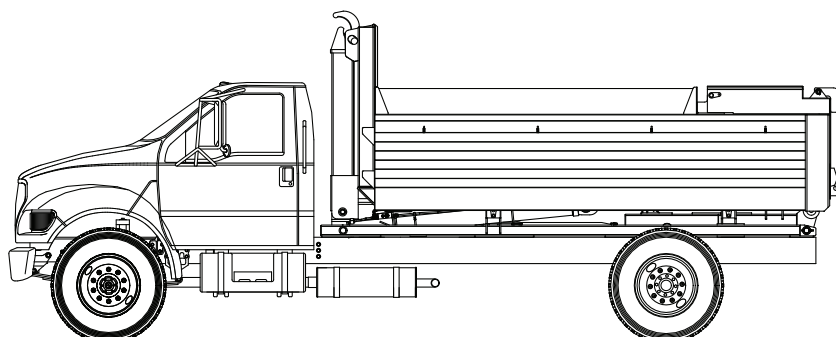
Put the truck in neutral and engage the PTO.



Pull the control lever labeled 'Lift' as desired to dump the load. Be aware and avoid any overhead obstructions during the entire dump procedure.



When dumping is complete, push the 'Lift' control lever to return the body to the stowed position. Disengage the PTO.



Chapter 3 - Maintenance

Please read the following before performing any maintenance on the hooklift.

1. Only qualified service personnel are to perform maintenance on the hooklift.
2. Disengage the PTO before any service or repair is performed.
3. Do not disconnect hydraulic components while there is any energy/pressure in the system.
4. Before disconnecting hydraulic components, shut off the engine, release any air pressure on the hydraulic reservoir, and move control levers repeatedly through their operating positions to relieve all pressures.
5. Keep the hooklift clean and free from grease build-up, oil and dirt to prevent slippery conditions.
6. Perform all safety and maintenance checks before each period of use.
7. Immediately repair/replace damaged components with Stellar Industries, Inc. approved parts/repair procedures.

damage such as blistering, crushing, or abrasion.

8. Presence of this owner's manual.

Daily Inspection

Daily Inspection should occur each day before the hooklift is put into use. Each day, inspect the hooklift for all of the following:

1. Hydraulic oil level.
2. Loose parts or damage to structures or weld.
3. Cylinder movement due to leakage.
4. Hoses for evidence of oil leaks.
5. Controls for malfunction or adjustment.
6. Parking brake operation.
7. All securing hardware such as cotter pins, snap rings, hairpins, and pin keepers for damage/wear.
8. All safety covers for proper installation.
9. Cylinder holding valves for proper operation.
10. Equipment for missing, illegible, or defaced operating decals and safety signs.

Maintenance Procedures

1. Position the hooklift where it will be out of the way of other operations or vehicles in the area.
2. Place all controls in the off position and secure operating features from inadvertent motion.
3. Relieve hydraulic oil pressure from all hydraulic circuits before loosening or removing hydraulic components.
4. Label or tag parts when disassembling.

Periodic Inspection

Periodic Inspection should occur while the hooklift is in use. For the duration of the usage, inspect the hooklift for all of the following:

1. Loose bolts and fasteners.
2. All pins, bushings, shafts, and gears for wear, cracks, or distortion to include all pivot points, and bushings.
3. Hydraulic systems for proper operating pressure.
4. Main frame mount bolts.
5. Cylinders for:
 - A. Damaged rods.
 - B. Dented barrels.
 - C. Drift from oil leaking internally.
 - D. Leaks at rod seals or holding valves.
6. PTO and hydraulic pump(s) for leaks.
7. Hydraulic hose and tubing for evidence of

Monthly Inspection

Monthly Inspection should occur at the beginning of every work month. Each month, inspect the hooklift for all of the following:

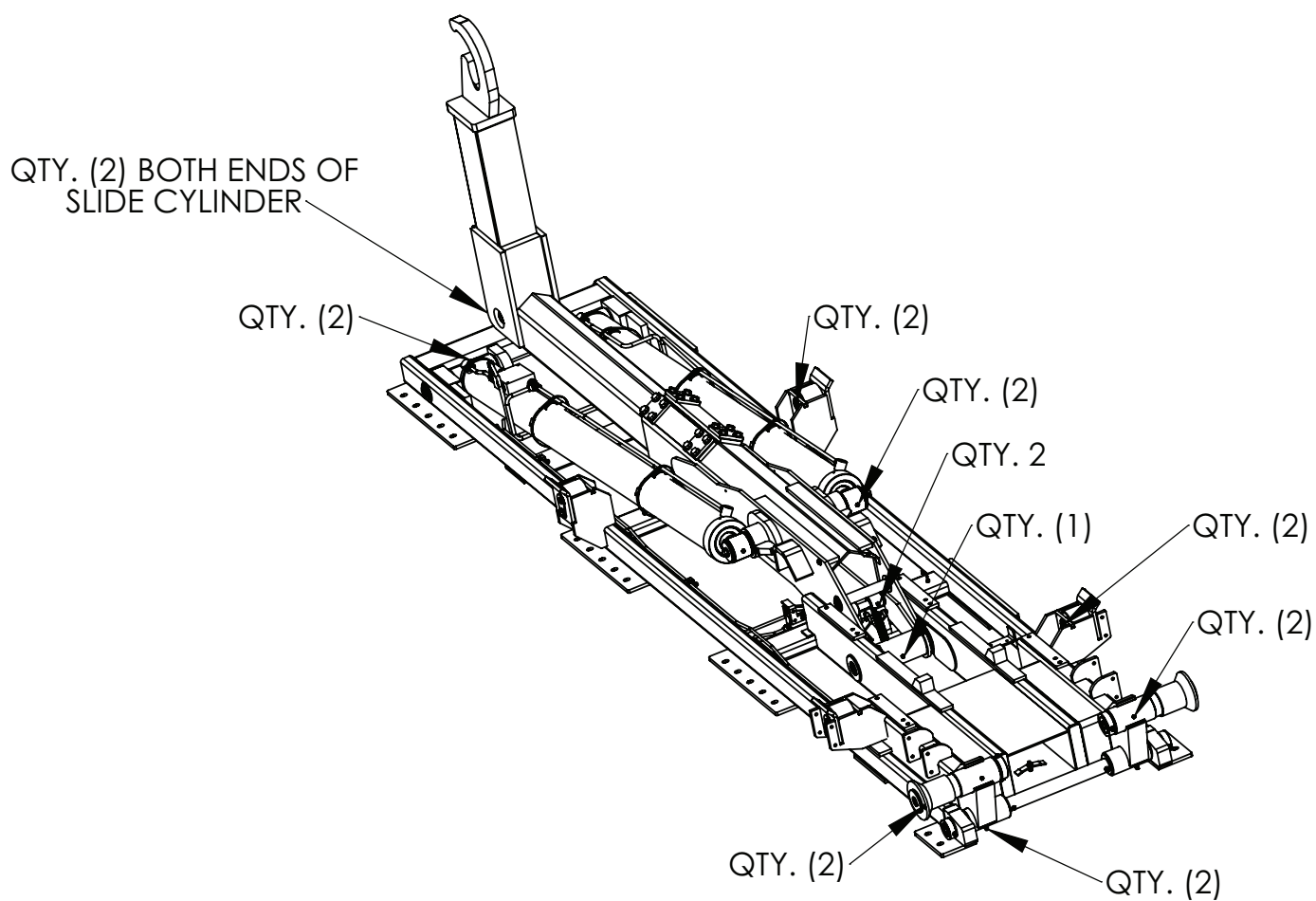
1. Frame bolt tightness - turn barrel nuts and mounting bolts during the first month of operation on new machines and then quarterly thereafter.
2. Cylinders and valves for leaks.
3. Jib hook for cracks.
4. Structural weldments for bends, cracks, or breaks.
5. All pins and keepers for proper installation.
6. All control, safety, and capacity placards for readability and secure attachment.
7. Inspect all electrical wires and connections for worn, cut, or deteriorated insulation and bare wire. Replace or repair wires as required.
8. Lubrication of all moving parts.

ATTENTION

Every six (6) months, remove the hydraulic pump from the PTO and lubricate the splines using Chelsea Lubricant #379831 or Stellar PN 42042 (packet) or PN 20885 (tube). Failure to lubricate shaft splines will cause damage to the PTO and Hydraulic pump.

Grease Zerk Locations

Slider26



Choice Lubricants for DX Bearings

Greases Recommended

Type of Grease	Description
Premium Quality Multi-Purpose	Stabilized, Anti-Oxidant Lithium Base Lithium Base with 3% Molybdenum Disulfide High Drop Point
Multi-Purpose	Calcium Based, for General Automotive and Industrial Use Calcium Grease, Water Stabilized, High Drop Point
Anti-Friction Bearing	Calcium Based with EP Additives Lithium Based Sodium Based
Extreme Pressure (EP)	Lithium Based with EP Additives Calcium Based with EP Additives
High Temperature	Modified Sodium Based, High Drop Point
Transmission	Semi-Fluid, Calcium Based
Molybdenum Filled	Lithium Based with 2% Molybdenum Disulfide
Graphite Filled	Sodium Based with 2% Graphite
Block Grease	Sodium Based Solid Grease
White Grease	Aluminum Complex Based with Anti-Oxidant & Rust Inhibitors & Zinc Oxide Additives
Silicone	Lithium Based with Silicone Oil Lubricant
Aerosol Lubricant	Silicone-based Lubricant

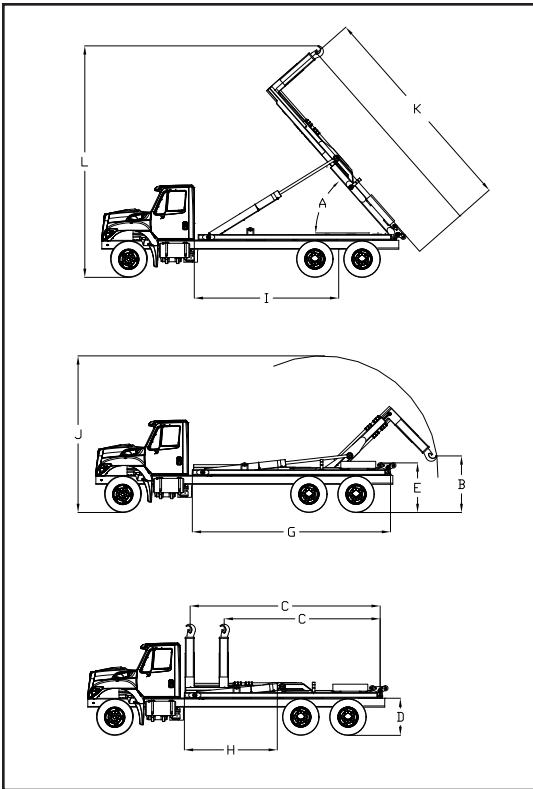
Greases Not Recommended

Type of Grease	Description
Cup Grease	Light Service Calcium or Sodium Based Grease
Graphite Filled	Greases with More than 10% Graphite
Molybdenum Filled	Greases with More than 10% Molybdenum Disulfide
Fluorocarbon	Low Molecular Weight Chlorofluoroethylene Polymer with Inert Thickeners
White Grease	Calcium Based, Zinc Oxide Filled

Cleanliness

An important item in preserving the long life of the hooklift is keeping dirt, grime, and corrosive material out of the working parts. Thoroughly wash and grease the hooklift periodically.

Chapter 4 - Specifications



- Will accommodate bodies from 12-feet up to 16-feet (3658mm to 4877mm) long on a 41-inch (1041mm) high frame truck.
- Transmission-mounted PTO and hydraulic pump required to power the Hooklift.
- Standard in-cab manual controls which allow for precise metering of the manual hydraulic valve. Solenoid-activated hydraulic control valve with electric remote control pendant is optional.
- Twenty-five (25) gallon (95L.) frame-mounted oil tank.
- Maximum operating pressure is 3,900psi (27 mpa).
- Hydraulic flow required is 25-gallons (95L.) per minute.
- Hydraulic locks to prevent cylinder collapse in case of hose failure.
- Slide through and/or inside body latches.
- Hydraulic lock-out valve to prevent front jib movement when the dump frame is raised.
- Permanently lubricated and greaseable bushings used throughout.

	36" (914mm) Hook Height	54" (1,372mm) Hook Height	61.75" (1,568mm) Hook Height
Lifting Capacity	26,000lbs. (11,793.4)	26,000lbs. (11,793.4)	26,000lbs. (11,793.4)
Dumping Capacity	26,000lbs. (11,793.4)	26,000lbs. (11,793.4)	26,000lbs. (11,793.4)
A Dump Angle	50°	50°	50°
B Lowest Hook Height	30" (762mm)	12" (304mm)	4" (101mm)
C Effective Length	129" to 171" (3,276mm to 4,343mm)	129" to 171" (3,276mm to 4,343mm)	129" to 171" (3,276mm to 4,343mm)
D Truck Frame Height	41" (1,041mm)	41" (1,041mm)	41" (1,041mm)
E Hooklift Height	52.88" (1,343mm)	52.88" (1,343mm)	52.88" (1,343mm)
F Hooklift Length	182.75" (4,641mm)	182.75" (4,641mm)	182.75" (4,641mm)
G Hooklift Center of Gravity	83.25" (2,114mm)	83.25" (2,114mm)	83.25" (2,114mm)
H Chassis Cab to Axle	130" to 144" (3,302mm to 3,657mm)***	130" to 144" (3,302mm to 3,657mm)***	130" to 144" (3,302mm to 3,657mm)***
I Chassis Cab to Trunion	120" to 130" (3,048mm to 3,302mm)***	120" to 130" (3,048mm to 3,302mm)***	120" to 130" (3,048mm to 3,302mm)***
J Max. Height When Loading	140.63" (3,572mm)	152" (3,860mm)	157.56" (4,002mm)
K Longest Body When Dumping	18' (5,486mm)	18' (5,486mm)	18' (5,486mm)
L Max. Height When Dumping	225.59" (5,729mm)	232.43" (5,903mm)	235.43" (5,979mm)
Maximum Operating Pressure	3900 psi	3900 psi	3900 psi
Shipping Weight	3,300lbs. (1,500kg)	3,300lbs. (1,500kg)	3,300lbs. (1,500kg)
Shipping Dimensions (LxWxH)	185"x46"x58" (4,699mm x 1,168mm x 1,473mm)	185"x46"x76" (4,699mm x 1,168mm x 1,930mm)	185"x46"x84" (4,699mm x 1,168mm x 2,133mm)
Load Angle w/ Shortest Body Length	43°	37°	37°
Recommended Container Lengths*	12' to 16' (3,657mm to 4,876mm)	12' to 16' (3,657mm to 4,876mm)	12' to 16' (3,657mm to 4,876mm)
Recommended Flatbed Lengths**	12' to 18' (3,657mm to 5,486mm)	12' to 18' (3,657mm to 5,486mm)	12' to 18' (3,657mm to 5,486mm)

*(Assumes 3ft. overhang from center of rear roller pin)

(Bumper typically 12" from center of roller pin)

** (Assumes 5ft. overhang from center of rear roller pin)

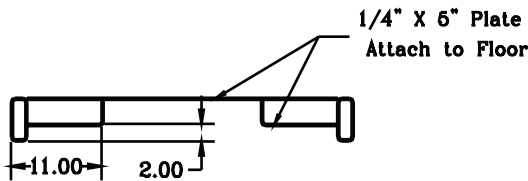
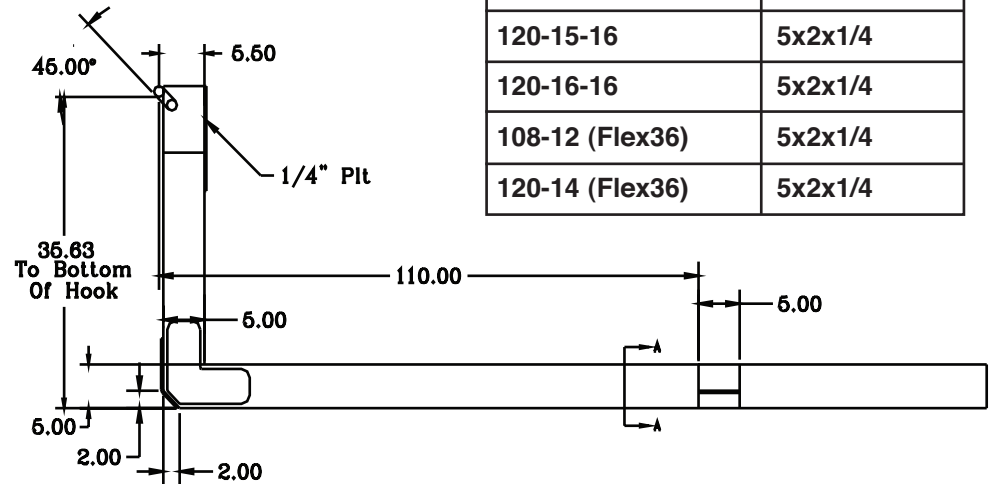
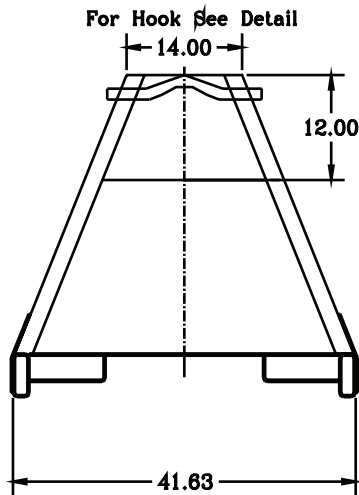
(May require bumper and latch options)

*** (Weight Distribution Required)

Acceptable Subframe Dimensions for Bodies

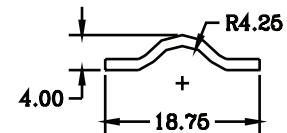
Minimum recommended rail construction.

120-16-8	5x2x1/4
108-13-14	5x2x1/4
120-14-14	5x2x1/4
120-15-16	5x2x1/4
120-16-16	5x2x1/4
108-12 (Flex36)	5x2x1/4
120-14 (Flex36)	5x2x1/4



Section A-A

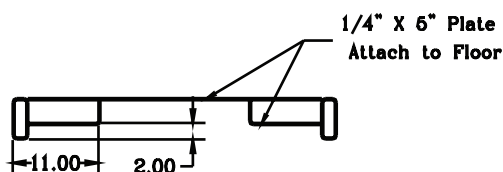
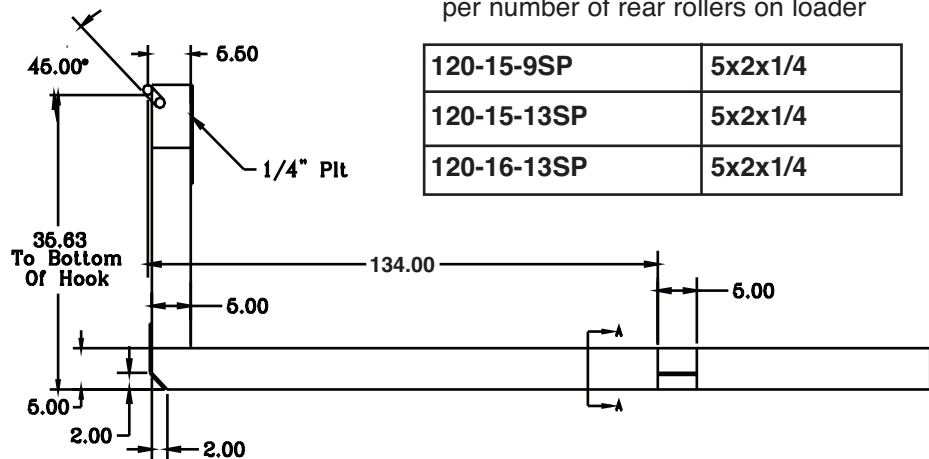
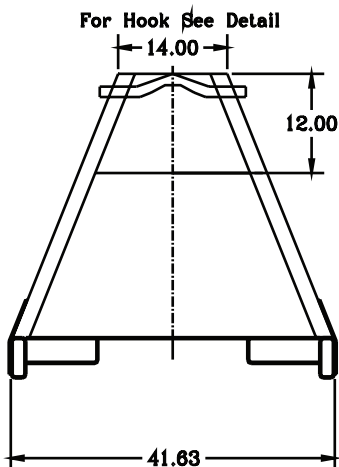
Note: Cap all tube ends.



1.60 Round

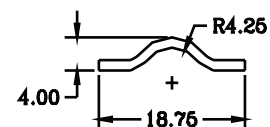
Minimum recommended rail construction per number of rear rollers on loader

120-15-9SP	5x2x1/4
120-15-13SP	5x2x1/4
120-16-13SP	5x2x1/4



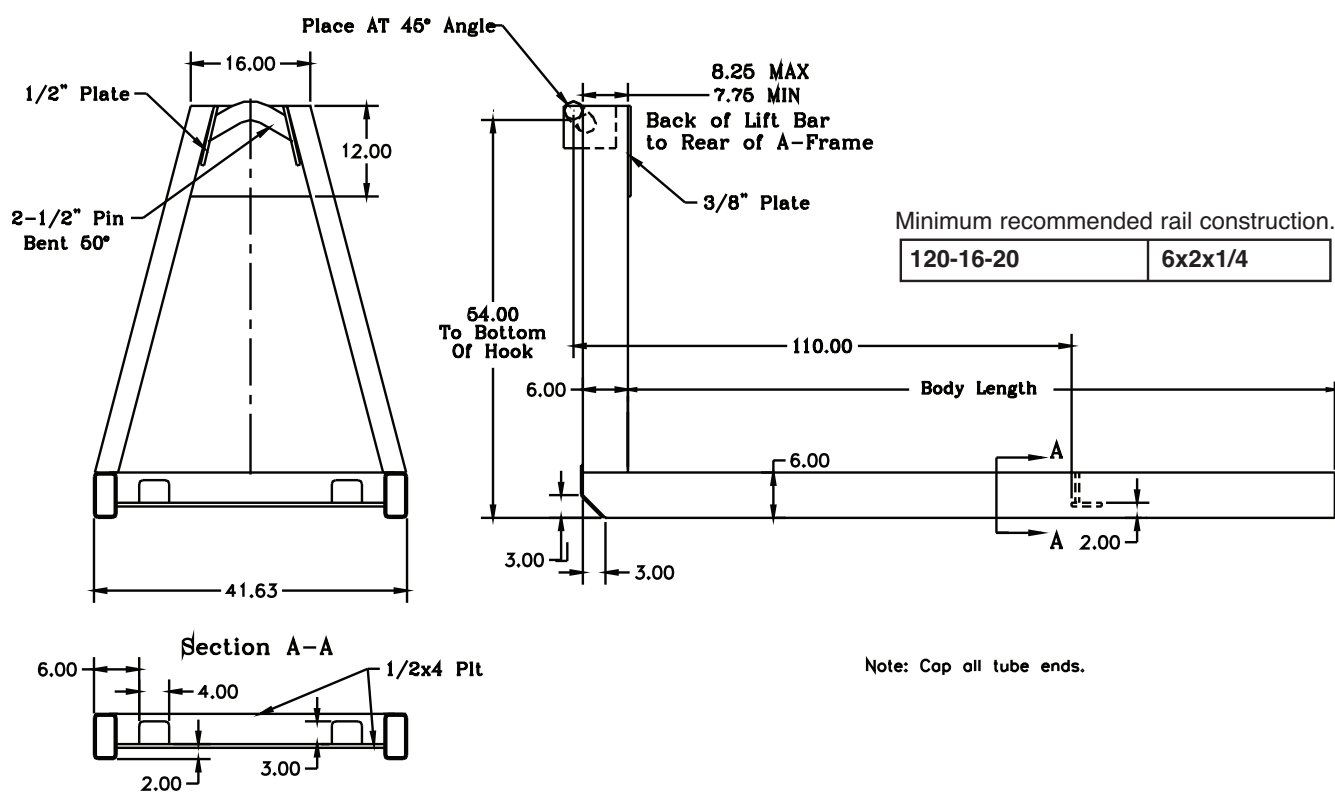
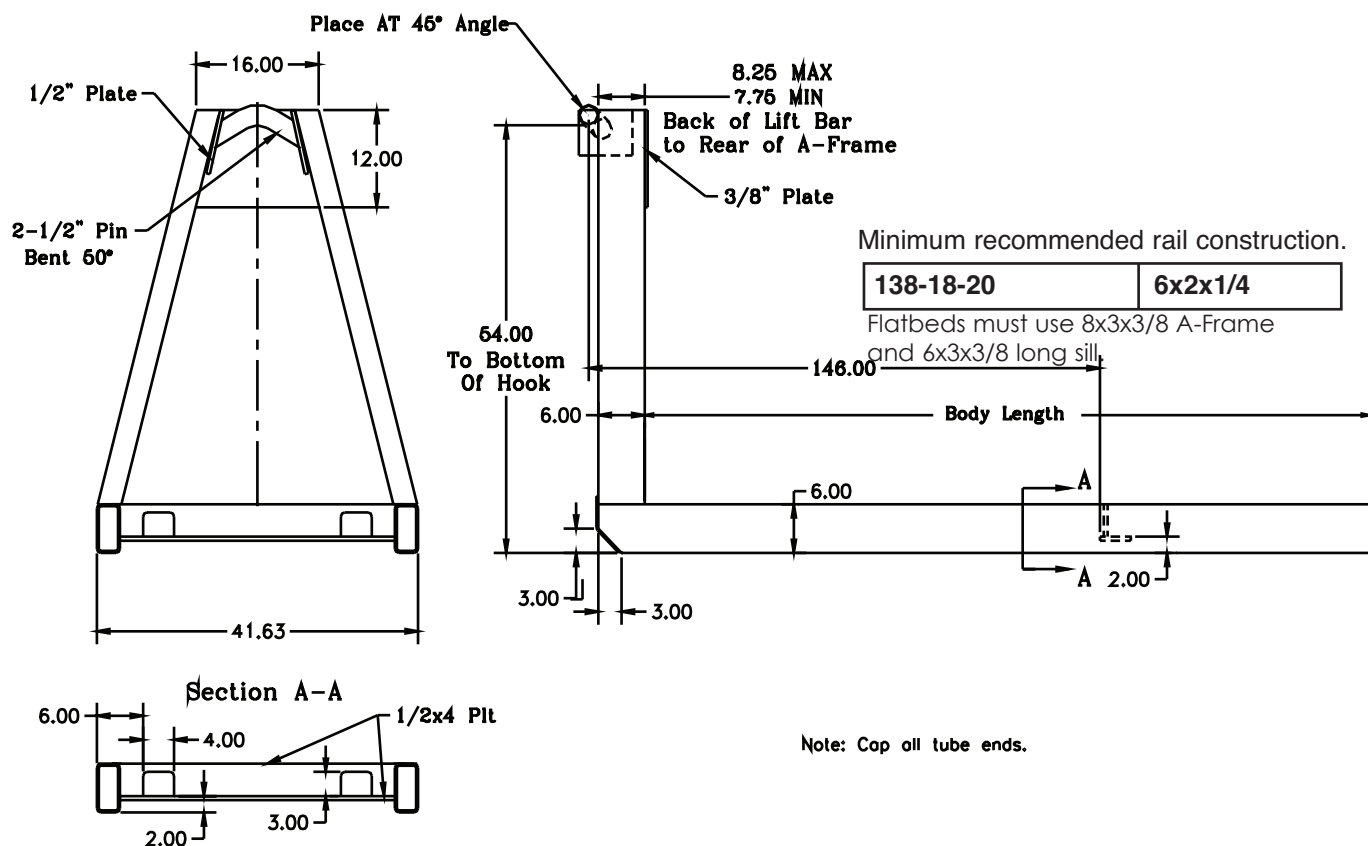
Section A-A

Note: Cap all tube ends.



1.60 Round

Acceptable Subframe Dimensions for Bodies

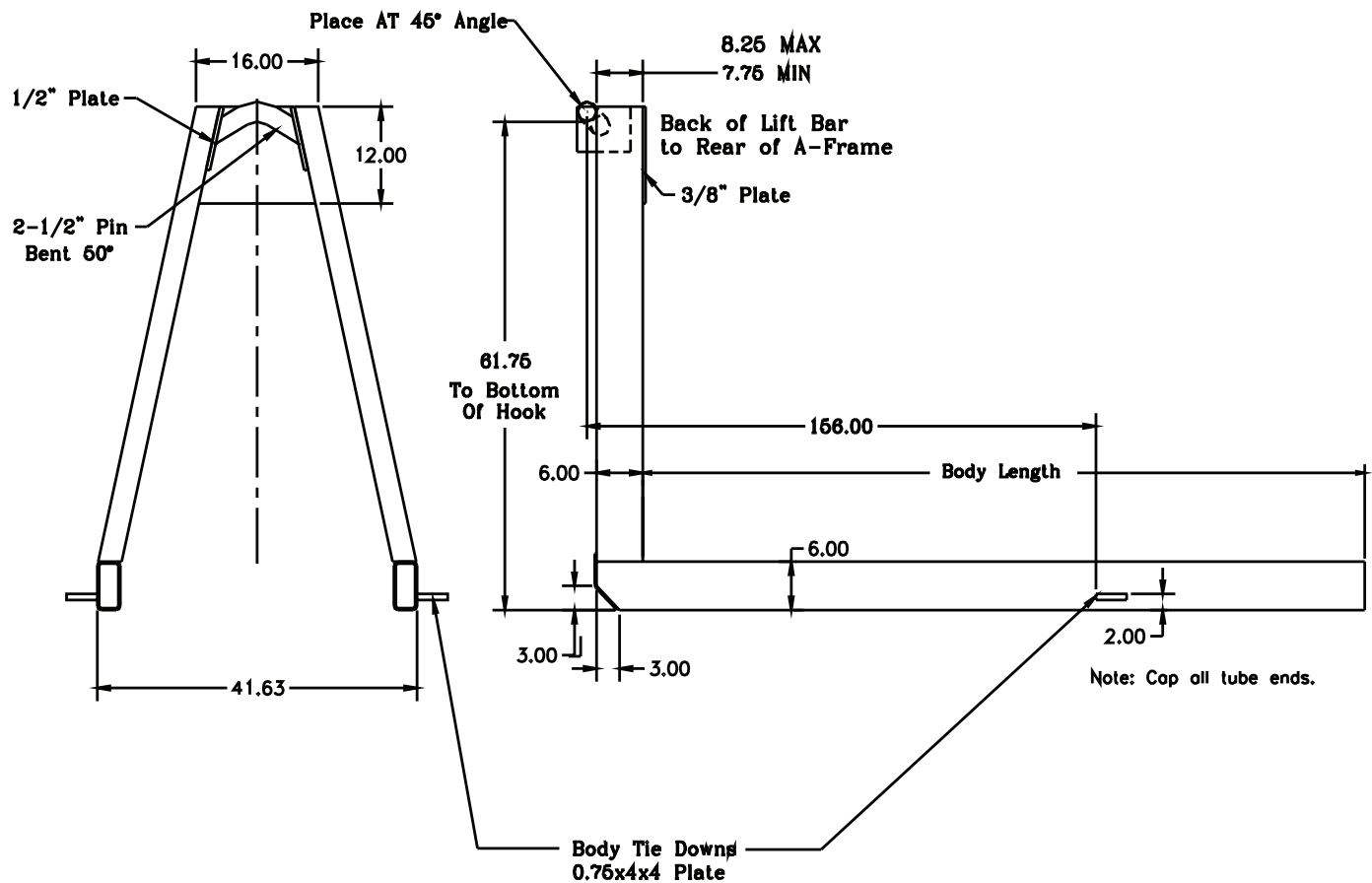


Acceptable Subframe Dimensions for Bodies

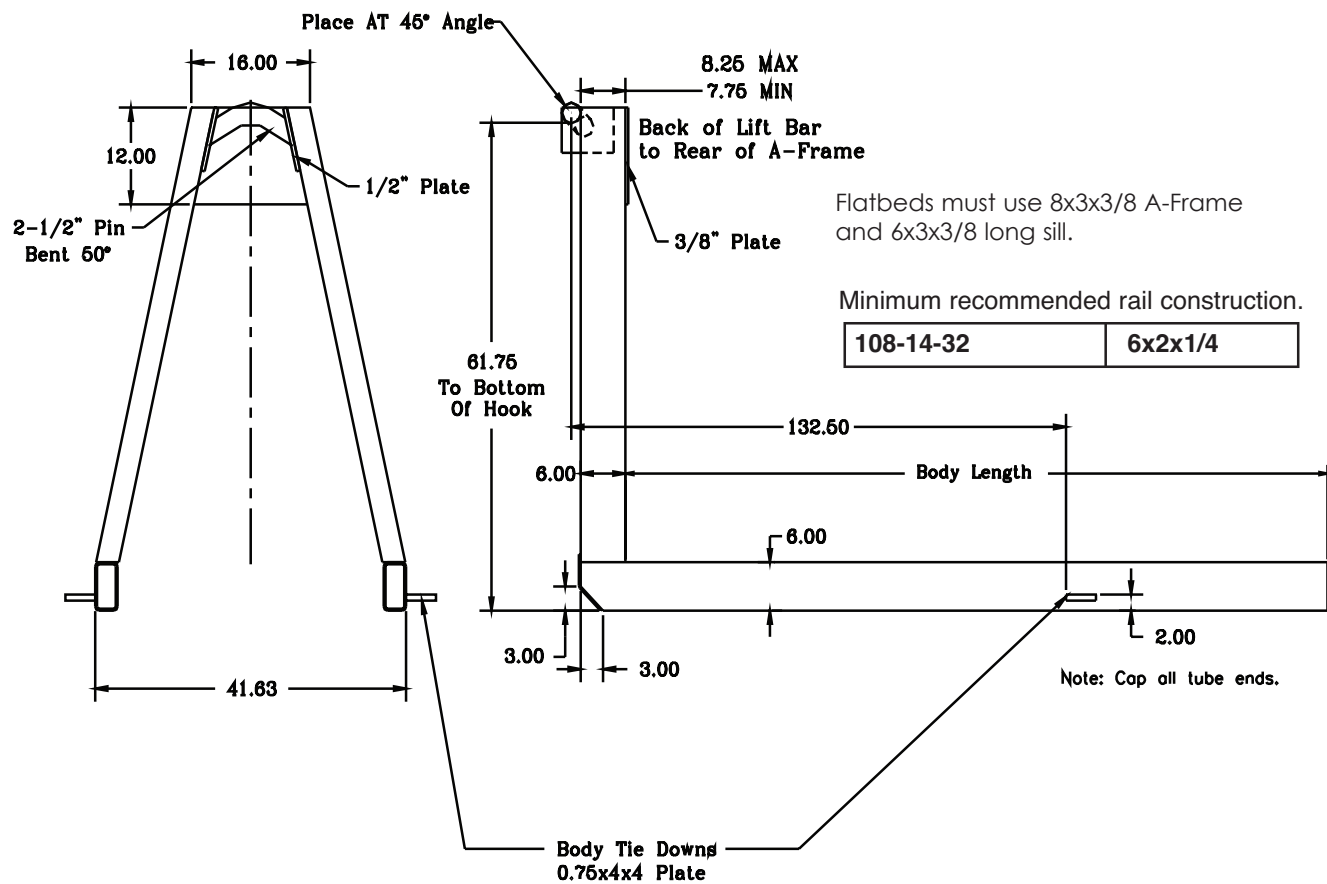
Minimum recommended rail construction per number of rear rollers on loader

	Single	Double
168-20-20	6x2x1/4	6x2x1/4
138-18-32	6x2x1/4 & 1/2x2 Plt	6x2x1/4
138-18-34	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
138-18-40	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
138-18-52	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt
138-18-65	6x3x3/8 & 1/2x3 Plt	6x3x3/8 & 1/2x3 Plt

Flatbeds must use 8x3x3/8 A-Frame and 6x3x3/8 long sill.



Acceptable Subframe Dimensions for Bodies



Chapter 5 - Installation

General Install Guidelines

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.

Safety

Read all of the safety notations in the assembly instructions for your protection. Accidents can be prevented by recognizing the cause of an accident before it can happen.

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 chart below for the recommended torque values for different sizes of bolts.

Recommended Torque Values in Ft-Lbs

For SAE GRADE 5 and GRADE 8 coarse thread cap screws and bolts shown are suggested maximum for fasteners, carrying only the residue oil of the manufacturer.

Proper Bolt Use


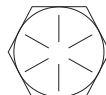

Do not use these values if a different torque value or tightening procedure is given for a specific application. Torque values listed are for general use only. Check tightness of fasteners periodically.

Sheer bolts are designed to fail under pre-determined 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.

		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

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.

Right and Left sides can be established by standing behind the truck frame and looking towards the front, or the direction of travel.

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 Slider 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 Slider 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. Note: On some Slider models, the jib may extend beyond the front of the base.

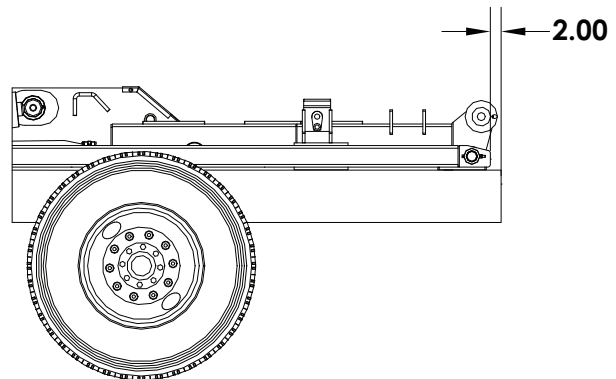
Step 2: Drill mounting holes.

Note: See Mounting Kit Drawing PN 54848 on next page.

- When positioning mounts to frame, tie-down casting are bolted to the underside of each tie down plate located on the outside of the main rails of the base. The tie-down plate closest to the front of the base requires one mount on each side of the pin. This is the only time two tie down castings are required per a single tie-down plate. The tie-down plates are designed with multiple slots to offer more flexibility in mounting locations. Additional holes may not be added to the tie-down plates.
- Using the tie-down castings as a guide, drill an 11/16" hole through the truck frame.

Step 3: Install bumper.

- See NHTSA (National Highway Truck Safety Administration) Regulations for acceptable placement.
- Modify the truck frame as necessary so that it ends 2" from the rear of the hooklift.



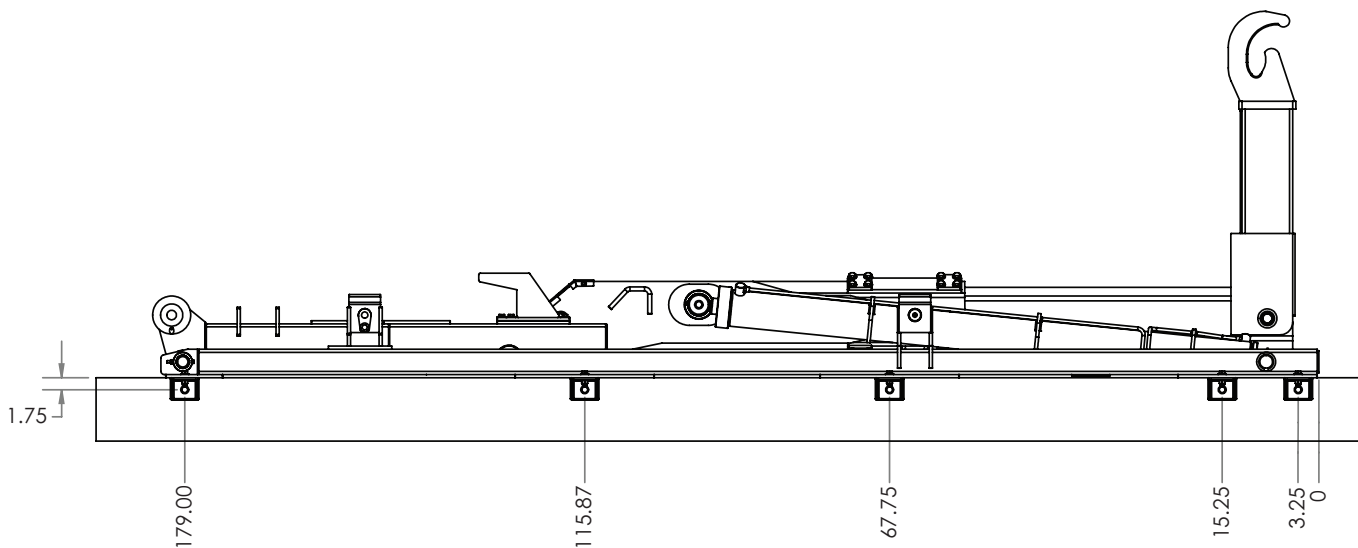
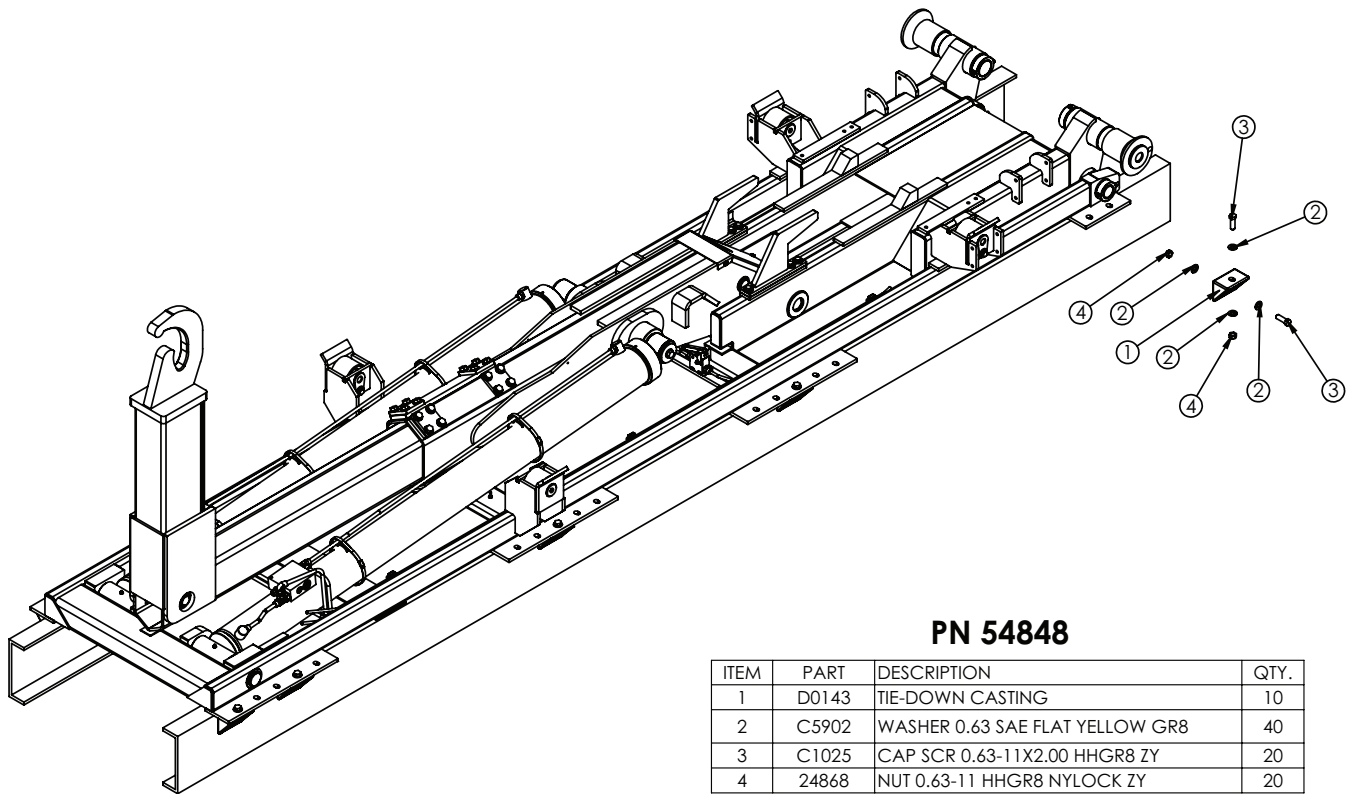
Step 4: Install tie-downs.

Note: See torque chart at beginning of chapter.

Step 5: Install tarpier tower (If applicable).

See brand specific installation instructions.

Mounting Kit - PN 54848



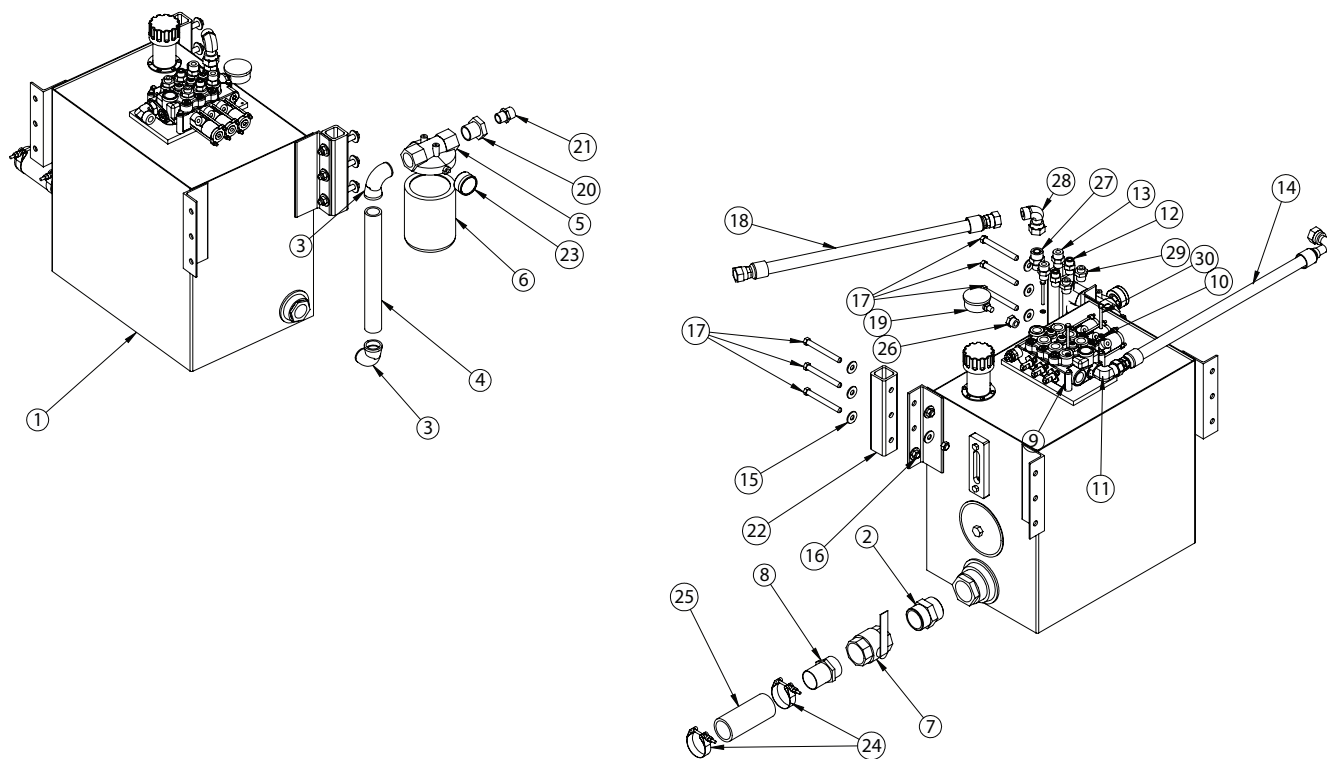
Note: These are approximate measurements from the front of the hooklift base. Specific applications may vary.

Step 6: Install hydraulic reservoir and valve bank.

- a. 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.

Reservoir Assembly - PN 47572



PN 47572

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	26510	RSRVR ASM 25GAL K MODEL	1	16	C6106	NUT 0.50-13 HHGR5 NYLOC	6
2	7353	NIPPLE 2.00 HEX PIPE 2FF	1	17	0507	CAP SCR 0.50-13X4.50 HHGR5	6
3	C4694	ST EL 1.25 90 DEG BLK	2	18	27119	HOSE 0.75(78C-12-JC-JC-12-12-12-120)	1
4	D0024	NIPPLE 1.25X14.00 BLK	1	19	10094	GAUGE OIL LF 2.5" 0-500 BM	1
5	C6228	FILTER HEAD SF120-25 1.3	1	20	C2375	FTG REDU 0102-20-12	1
6	C6225	FILTER LARGE SE-10	1	21	C4952	FTG ADAPT 12 FLO-S	1
7	C4750	VALVE BALL 2.00	1	22	13325PC	SPACER TANK MOUNTING 25 GAL	2
8	C4730	FTG HOSE BARB 2.00	1	23	16145	GAUGE PRES FILTER SERVICE CI20	1
9	47562	VB 3-SECTION VDM8 W/AIR ACTUATORS	1	24	C4819	HOSE CLAMP 2.00	2
10	0521	WASHER 0.25 LOCK	3	25	17766	HOSE SUCT 2.00 10FT	1
11	C5968	FTG ADAPT 90 12-C5OLO-S	1	26	25630	FTG ADAPT 10-1/4 F5OG	1
12	C2252	FTG ADAPT 8-10-F5OLO-S	2	27	d1435	FTG ADAPT O'RING 12-10	1
13	16152	FTG ADAPT 10-F5OLO-S	2	28	c4903	FTG SL LOK SWIVEL 12-C6LO-S	1
14	26737	HOSE 0.75(471TC-JC-J9-12-12-12-24)	1	29	C1855	FTG ADAPT 6-10 F5OLO-S	2
15	0352	WASHER 0.50 USS FLAT ZINC	12	30	0339	CAP SCR 0.25-20X2.50 HHGR5	3

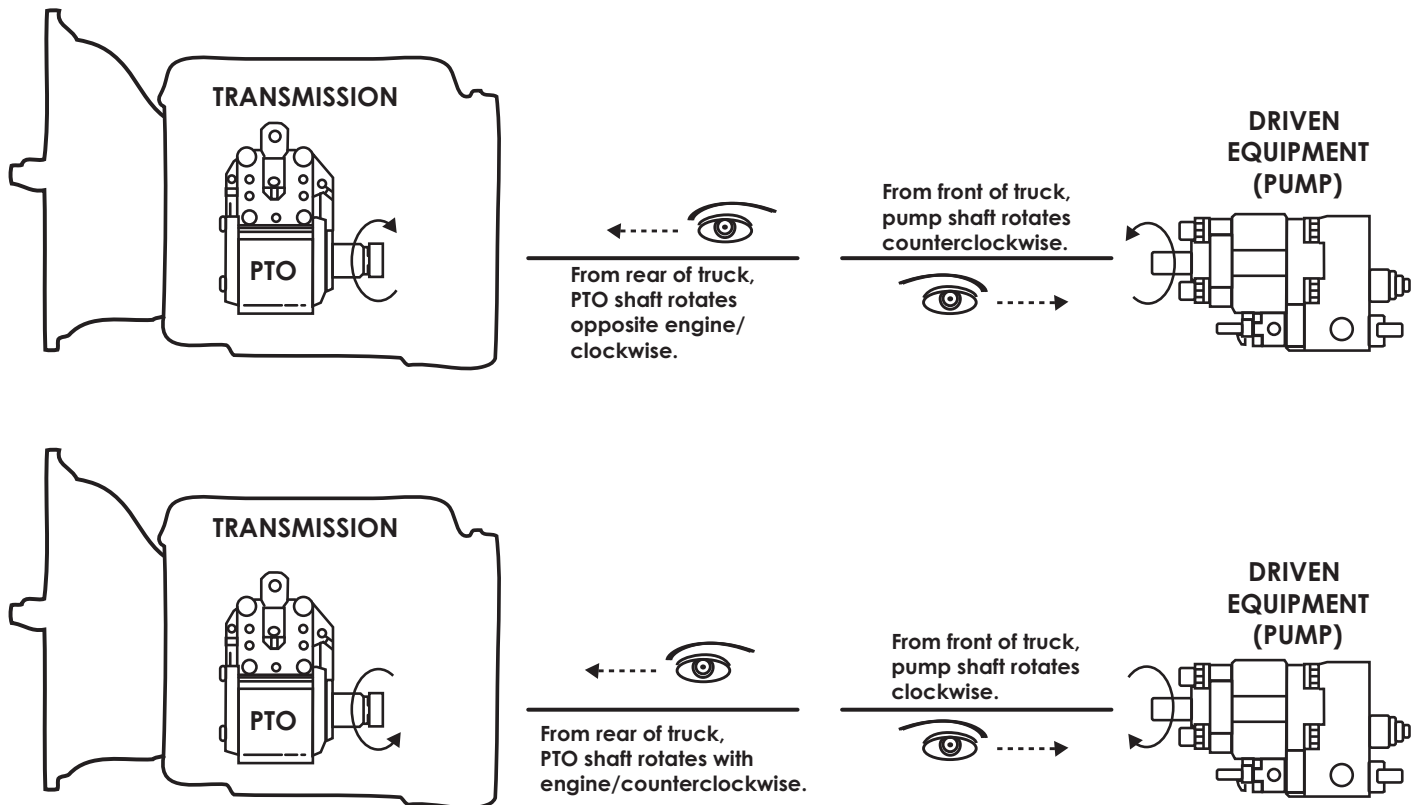
Step 7: Install PTO and pump.

- a. 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:

P.T.O.	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).



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.

- b. 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.

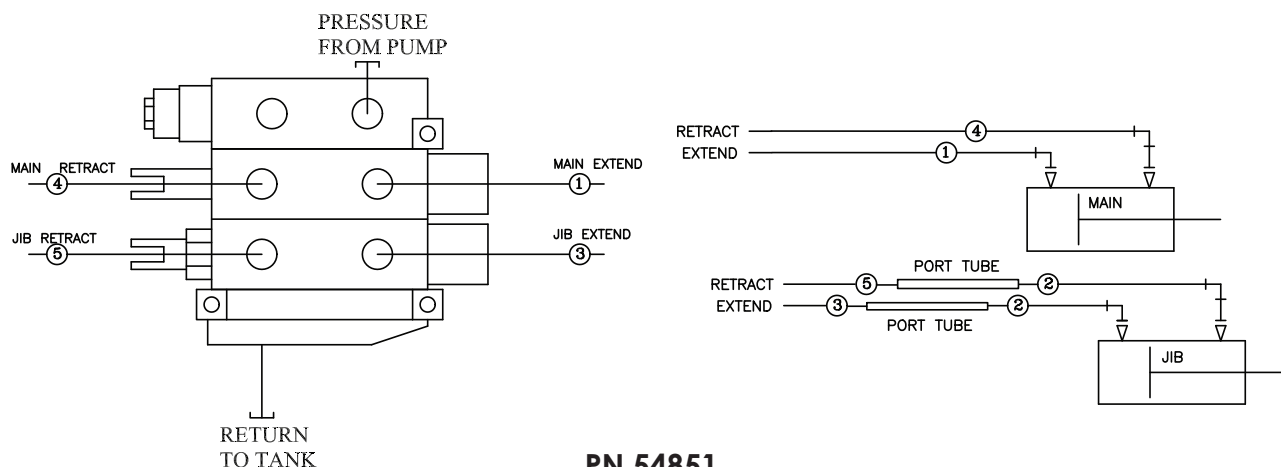
Step 8: Route hydraulic hoses.

- Route hose line from the reservoir to the pump.
- Route hose line from the pump to the valve bank (See corresponding hose kit drawing).
- Route hose line from the valve bank to the reservoir (See corresponding hose kit drawing).
- Route hose line from the valve bank and the hooklift (See corresponding hose kit drawing).

- Notes:
- 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.

- If tapping into the power beyond valve bank for additional function, see "Power Beyond VDM8 Valve" for installation details.

Hose Kit - PN 54851 (Fixed Hook Height Models)



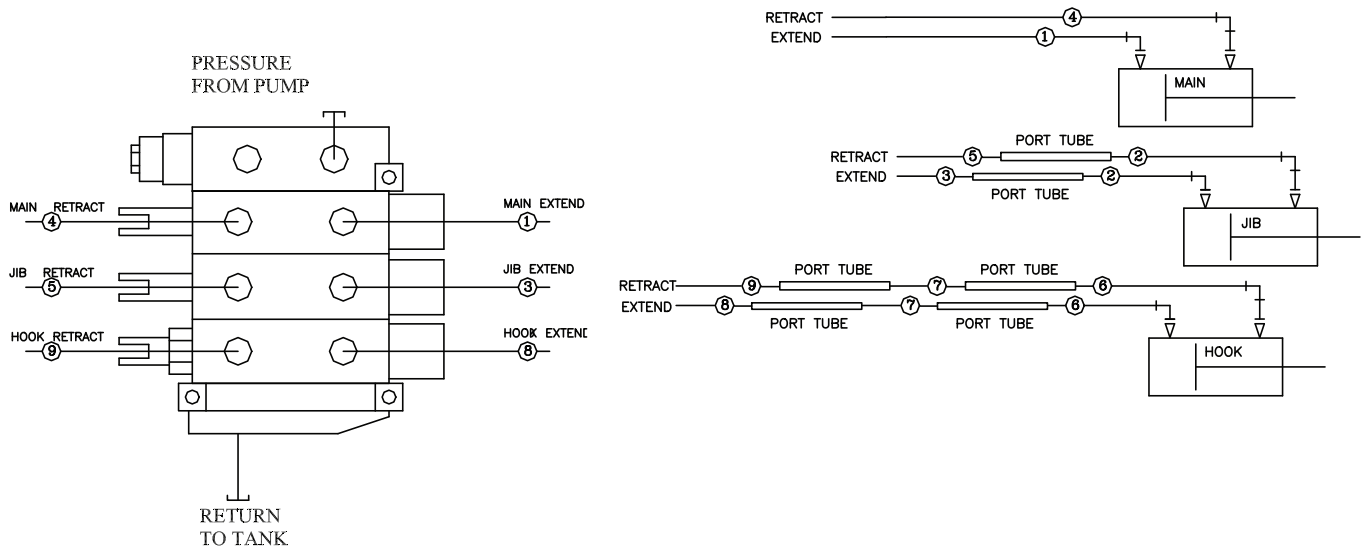
PN 54851

05	55361	HOSE 0.38(471TC-J0-J1-6-6-6-60)	1
04	55360	HOSE 0.50(471TC-JC-J1-8-8-8-88)	1
03	55352	HOSE 0.38(471TC-J0-J9-6-6-6-60)	1
02	55353	HOSE 0.38(471TC-J0-J9-6-6-6-110)	2
01	55354	HOSE 0.50(471TC-JC-J9-8-8-8-88)	1
ITEM	PART No.	DESCRIPTION	QTY

<p>STELLAR #55354- (471TC-JC-J9-8-8-8-88") QTY - 1</p> <p>FUNCTION: MAIN CYLINDER TO VALVE BANK EXTEND</p>	<p>STELLAR #55353- (471TC-J0-J9-6-6-6-110") QTY - 2</p> <p>FUNCTION: PORT TUBES TO THE JIB CYLINDER</p>	
<p>STELLAR #55360- (471TC-JC-J1-8-8-8-88") QTY - 1</p> <p>FUNCTION: MAIN CYLINDER TO VALVE BANK RETRACT</p>	<p>STELLAR #55361- (471TC-J0-J1-6-6-6-60") QTY - 1</p> <p>FUNCTION: PORT TUBE TO THE VALVE BANK RETRACT</p>	<p>STELLAR #55352- (471TC-J0-J9-6-6-6-60") QTY - 1</p> <p>FUNCTION: PORT TUBE TO THE VALVE BANK EXTEND</p>

Hose Kit - PN 54852

(Adjustable Hook Height Models)



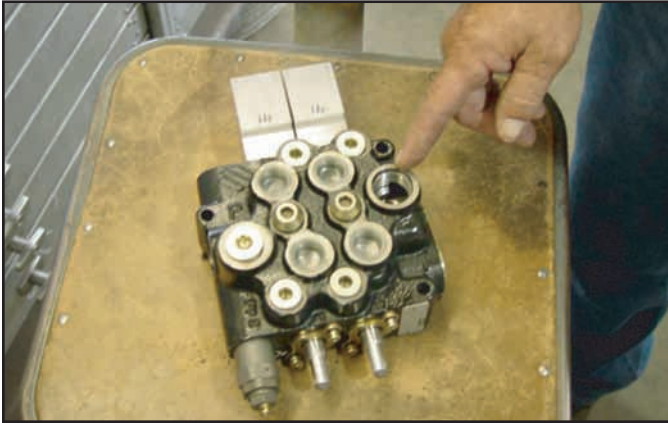
PN 54852

09	55413	HOSE 0.25(471TC-JO-J1-4-4-6-60)	1
08	55357	HOSE 0.25(471TC-JO-J9-4-4-6-60)	1
07	55356	HOSE 0.25(471TC-JO-JO-4-4-4-110)	2
06	55355	HOSE 0.25(471TC-JC-JO-4-4-4-99)	2
05	55361	HOSE 0.38(471TC-JO-J1-6-6-6-60)	1
04	55360	HOSE 0.50(471TC-JC-J1-8-8-8-88)	1
03	55352	HOSE 0.38(471TC-JO-J9-6-6-6-60)	1
02	55353	HOSE 0.38(471TC-JO-J9-6-6-6-110)	2
01	55354	HOSE 0.50(471TC-JC-J9-8-8-8-88)	1
ITEM	PART No.	DESCRIPTION	QTY

<p>STELLAR #55355- (471TC-JC-JO-4-4-4-99") QTY - 2</p> <p>FUNCTION: HOOK HEIGHT CYLINDER TO PORT TUBE (EXT. AND RET.)</p>	<p>STELLAR #55357 - (471TC-JO-J9-4-4-6-60") QTY - 1</p> <p>FUNCTION: H.H. CYLINDER PORT TUBE TO VALVE BANK EXTEND</p>	<p>STELLAR #55413- (471TC-JO-J1-4-4-6-60") QTY - 1</p> <p>FUNCTION: H.H. CYLINDER PORT TUBE TO VALVE BANK RETRACT</p>
<p>STELLAR #55354- (471TC-JC-J9-8-8-8-88") QTY - 1</p> <p>FUNCTION: MAIN CYLINDER TO VALVE BANK EXTEND</p>	<p>STELLAR #55353- (471TC-JO-J9-6-6-6-110") QTY - 2</p> <p>FUNCTION: PORT TUBE TO THE JIB CYLINDER</p>	<p>STELLAR #55356- (471TC-JO-JO-4-4-4-110") QTY - 2</p> <p>FUNCTION: HOOK HEIGHT PORT TUBE TO PORT TUBE</p>
<p>STELLAR #55360- (471TC-JC-J1-8-8-8-88") QTY - 1</p> <p>FUNCTION: MAIN CYLINDER TO VALVE BANK RETRACT</p>	<p>STELLAR #55361- (471TC-JO-J1-6-6-6-60") QTY - 1</p> <p>FUNCTION: JIB CYLINDER PORT TUBE TO VALVE BANK RETRACT</p>	<p>STELLAR #55352- (471TC-JO-J9-6-6-6-60") QTY - 1</p> <p>FUNCTION: JIB CYLINDER PORT TUBE TO VALVE BANK EXTEND</p>

Power Beyond VDM8 Valve

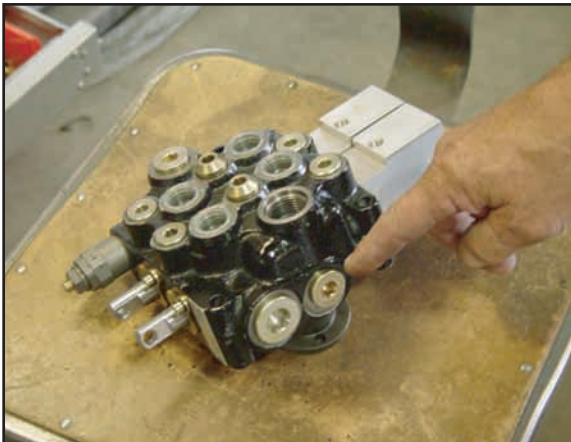
These instructions are intended for correct installation of power beyond on a Salami VDM8 valve bank. If any hydraulic component is integrated after this valve the power beyond must be installed correctly, or serious damage may incur to the hydraulic system.



1. Remove cover/access plug to reveal the power beyond access point. Can also be used as the Return/Tank port.



2. Install a 3/8" straight thread pipe plug into lower portion of cavity to activate the power beyond feature. Use thread sealer (tape sealers not recommended).

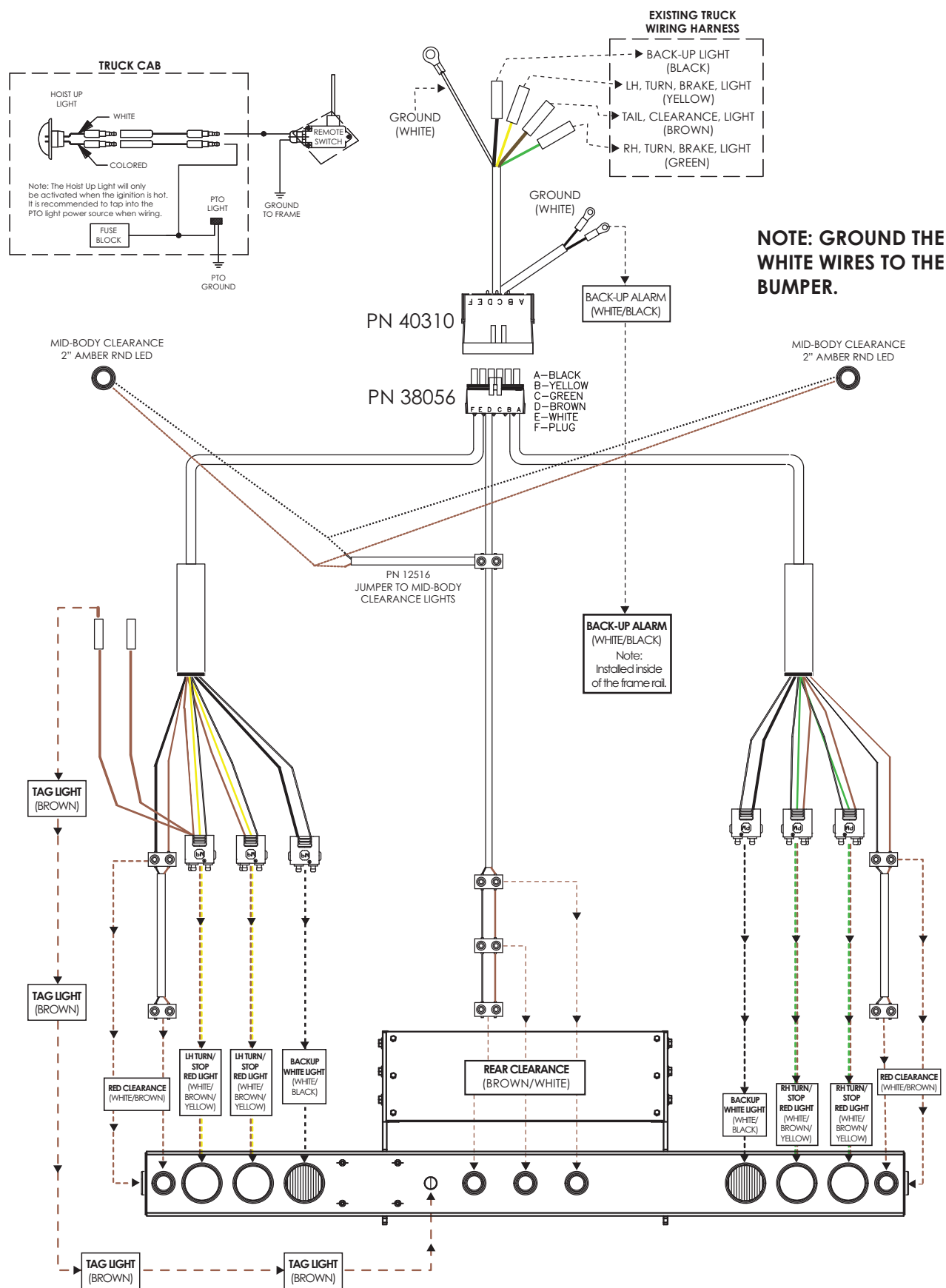


3. The Power Beyond feature is now activated and will divert oil to alternate system via the port shown.

Note:

1. The return/tank line must be connected to the top or the side port, labeled "T".
2. Using the return line to run auxiliary equipment will directly result in a failure and will not in any circumstance be covered under warranty.
3. A standard Stellar hooklift will have 6 hydraulic lines attached to the valve. A Stellar hooklift with Power Beyond will have 7 hydraulic lines attached to the valve.

Step 9: Route Electrical Components



Step 10: Install cab and PTO controls.

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

In Cab Installation

CONTROL CABLES TO VALVE BANK

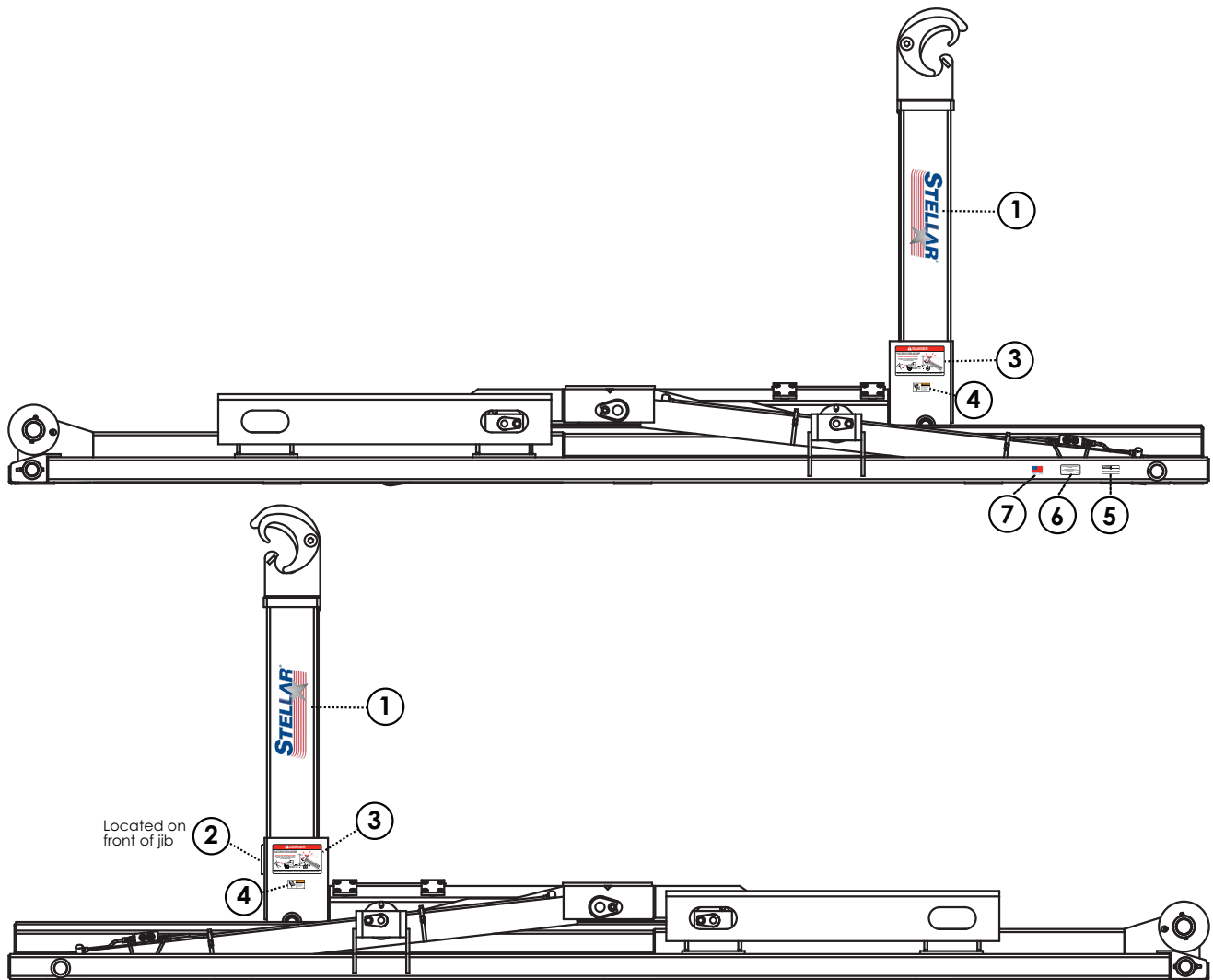
At Valve Installation

	2 SECTION	3 SECTION
96 INCH	PN 55534	PN 54746
144 INCH	PN 55540	PN 54747
192 INCH	PN 55541	PN 54748

ITEM	PART	DESCRIPTION	QTY.
1	38351	VALVE CTRL CONSOLE 3LEVER RVC (3 Section Only)	1
1	37470	VALVE CTRL CONSOLE 2LEVER RVC (2 Section Only)	1
3	37475	CONTROLLER CTR LOCK LEFT BEND	1
4	37476	CONTROLLER CTR LOCK NO BEND (3 Section Only)	1
5	37474	CONTROLLER CTR LOCK RIGHT BEND	1
6	25933	BRKT CONTROLLER DECAL	1
13	37469	CABLE CONN. KIT FOR VD8A/VDM8	2/3
14	37471	CONTROL CABLE 96 IN WESCON	2/3
14	37472	CONTROL CABLE 144 IN WESCON	2/3
14	37473	CONTROL CABLE 192 IN WESCON	2/3
17	20057	CAP SCR 0.31-18X6.50 HHGR5 (3 Section Only)	2
17	0491	CAP SCR 0.31-18X4.00 HHGR5 (2 Section Only)	2
19	0343	WASHER 0.31 USS FLAT ZINC	4
20	0342	NUT 0.31-18 HHGR5 NYLOC	2

Step 11: Install mud flaps and fenders.

Step 12: Apply Decals



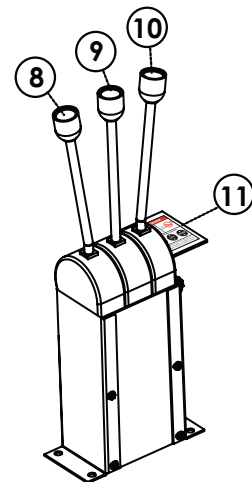
PN 31827

ITEM	PART No.	DESCRIPTION	QTY
01	52681	DECAL STELLAR LOGO 6.00X16.50 (SHIP QTY 1 LOOSE)	3
02	45955	DECAL DANGER HOOK HEIGHT MATCH74-490	1
03	55832	DECAL - DANGER ELECTROCUTION HOOK	2
04	25627	DECAL - WARNING DECAL CRUSH POINT	2
**05	C5942	PLATE - STELLAR SERIAL	1
06	4214	DECAL - CONTACT STELLAR	1
**07	35234	DECAL STELLAR MADE IN THE USA	1
08	55754	DECAL HOOKLIFT SLIDE LEVER	2
09	39211	DECAL HOOKLIFT LIFT LEVER	2
10	55414	DECAL HOOKLIFT HOOK LEVER (IF APPLICABLE)	2
11	55755	DECAL SLIDER CONTROLS	2
*12	4190	DECAL - DANGER	2
*13	C4540	DECAL - DANGER	2

** THESE ITEMS NOT INCLUDED IN DECAL KIT

* THESE DECALS NOT SHOWN(MOUNT IN CAB OR ON TRUCK FRAME)

CONTROL ASSEMBLY

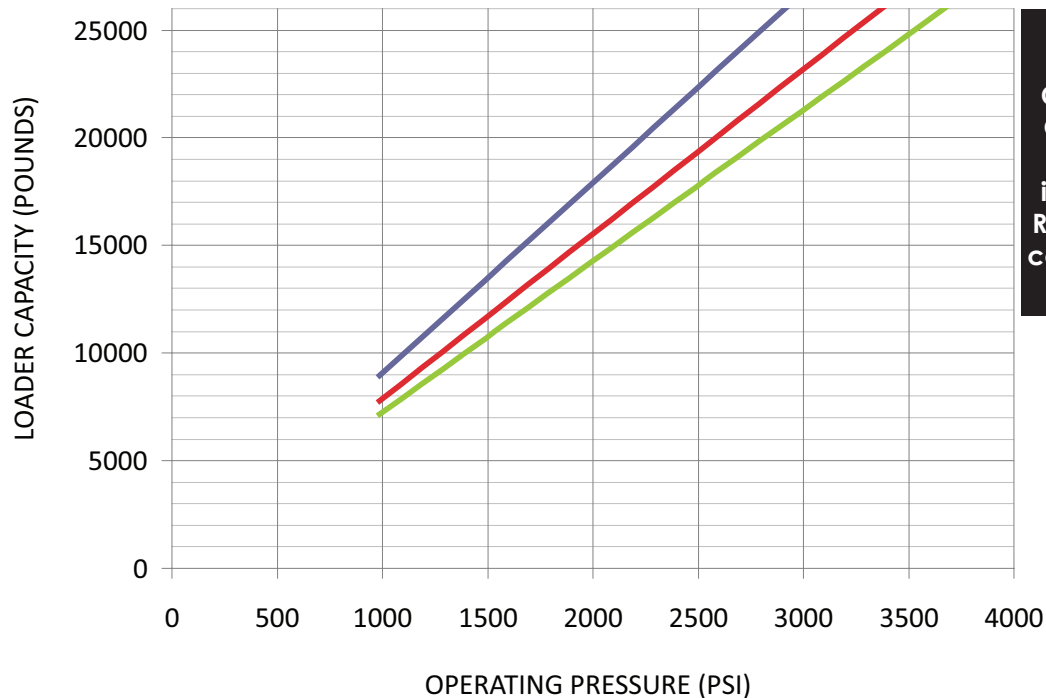


Step 13: Fill reservoir and activate hydraulic flow.

- Fill reservoir to site gauge, within 3" from the top (Roughly 25 Gallons).
Note: Petro-Canada Hydrex 32 (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.

Step 14: Operate hooklift.

- Bleed the air out of the hydraulic system.
- Check the oil level and add oil if needed.
- Calibrate dump light system.
- Be sure to check all clearances.
- Set/check relief pressure no higher than 3900 PSI (See chart below and steps on following pages).



Never adjust System Relief Pressure to allow Hooklift Capacity to exceed chassis GVW and always perform a weight distribution before installation and after System Relief Pressure adjustments to confirm Hooklift Capacity and chassis compatibility.

— 36\" HH
— 54\" HH
— 62\" HH

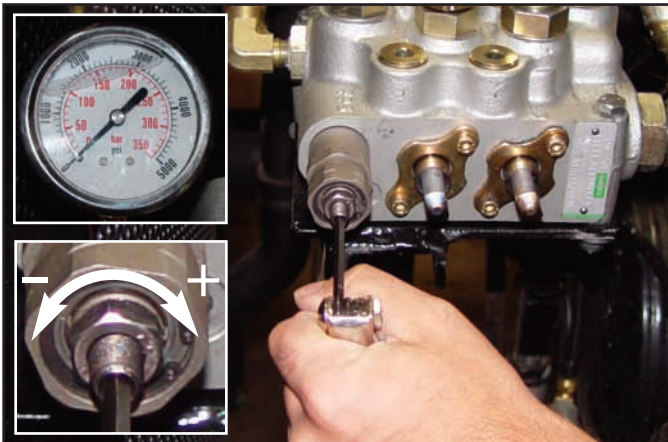
Never Exceed the Maximum Pressure of 3900 psi.

Setting System Relief Pressure

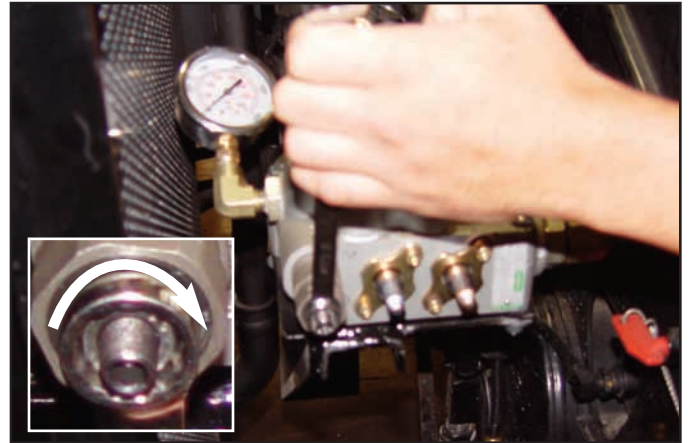
1. Engage the PTO. Run the PTO at 1200 RPM.
2. Push the control lever labeled 'lift' until the boom bottoms out. Keep pushing the lever forward until the pressure is set.
3. Release the jam nut using a 13 mm wrench.



4. Adjust the system relief pressure using 4 mm allen wrench. 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:

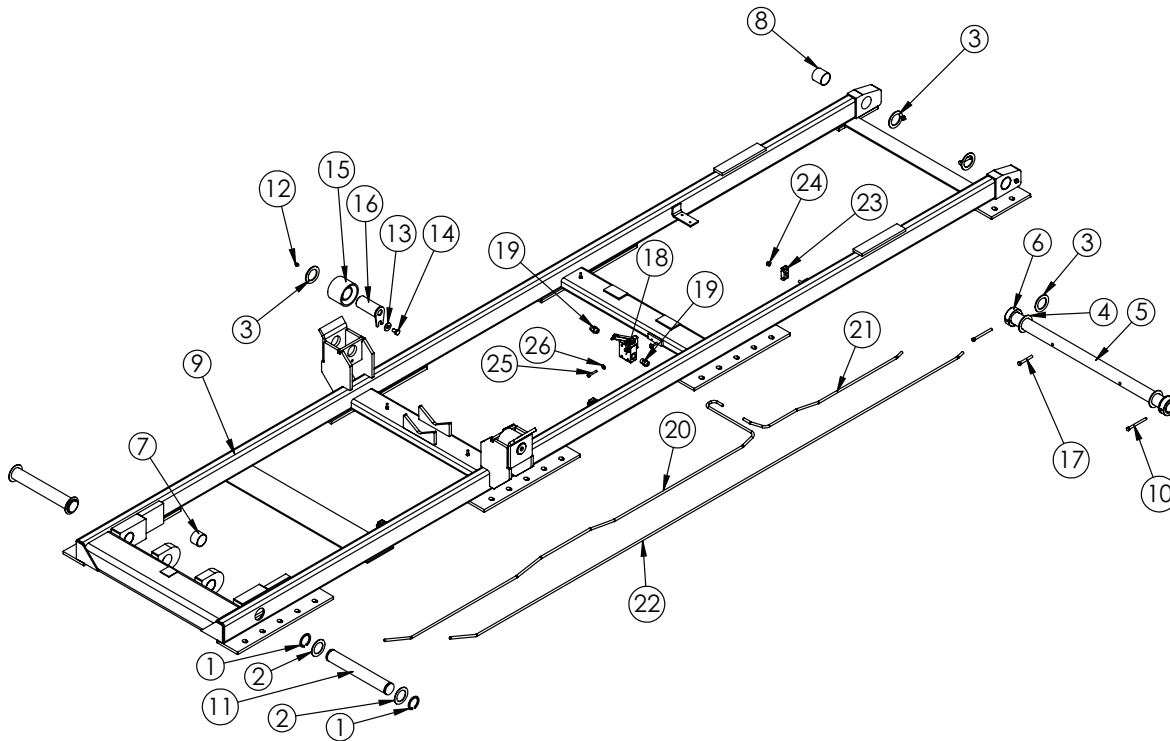


6. Release all functions and disengage the PTO. Snap tamper cap into position over the jam nut. The break away clip will be destroyed if the cap is removed:



Chapter 6 - Assembly Drawings

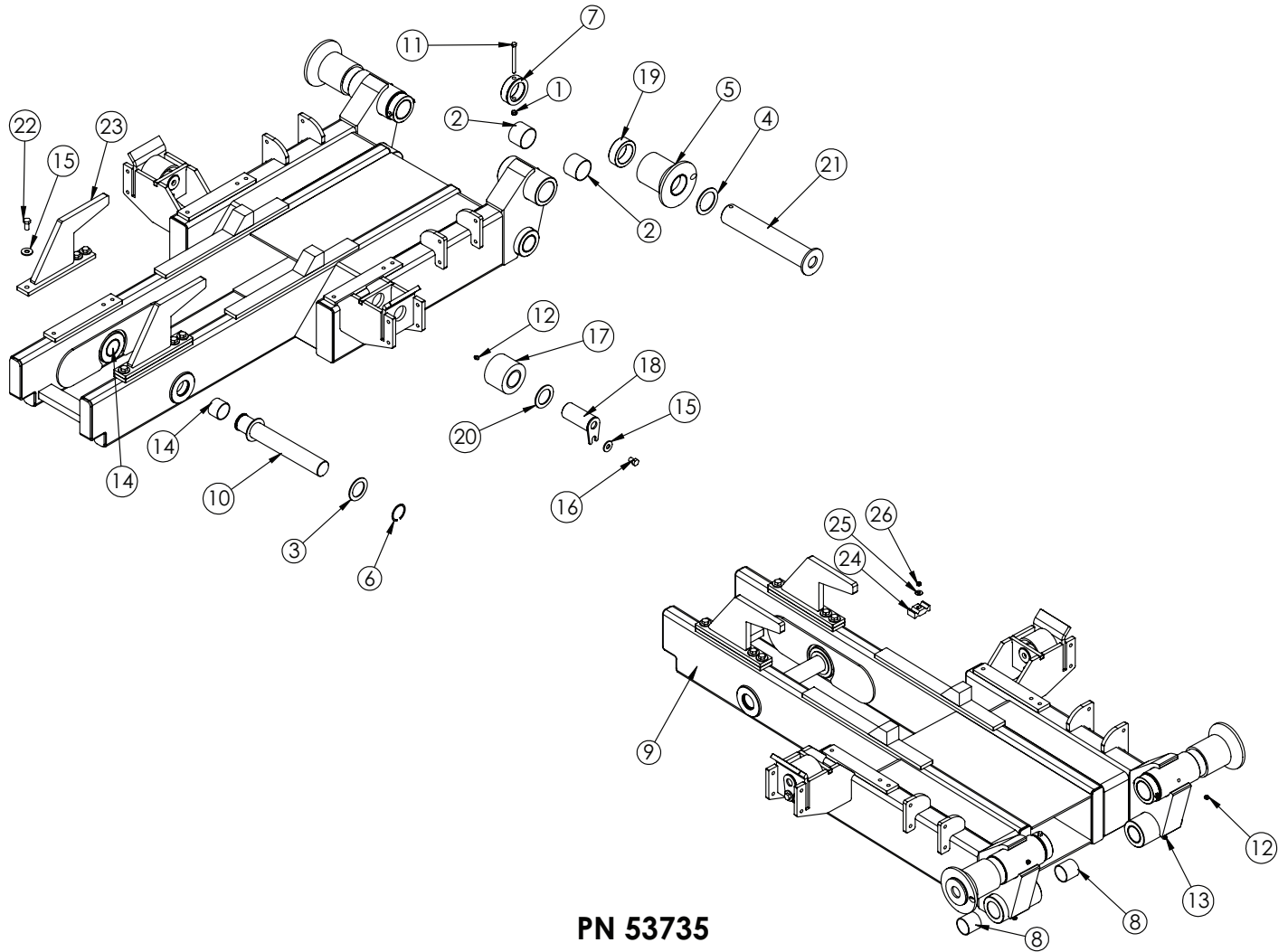
Base Assembly - PN 53457



PN 53457

ITEM	PART	DESCRIPTION	QTY.
1	0108	SNAP RING 2.00 7200-200	4
2	0377	MACHY WASHER 2.00ID 14GA	4
3	0427	MACHY WASHER 2.00ID 10GA	6
4	1546	THRUST WASHER 2.01DIA UHMW .12THK	2
5	53772	PIN 2.00X36.44 CR	1
6	22764PC	COLLAR 2.01X3.00X1.00	2
7	4380	BUSHING 32DXR24 2.00X1.50 GARLOCK	2
8	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	4
9	53458	BASE SLIDER 26	1
10	C0953	CAP SCR 0.38-16X4.00 HHGR5	2
11	53776	PIN 2.0 X 13.63 CR	2
12	c1592	ZERK 1/8 NPT STRAIGHT	2
13	0352	WASHER 0.50 USS FLAT ZINC	2
14	C0990	CAP SCR 0.50-13X0.75 HHGR5	2
15	45373	ROLLER 4.00 OUTSIDE KP60	2
16	54522	PIN TEAR DROP 2.00X4.38 W/ZERK	2
17	0530	CAP SCR 0.38-16X2.75 HHGR5	2
18	53853	VALVE PLUNGER VILLA HYD	1
19	C1854	FTG ADAPT 6-8 F5OLO-S	2
20	54602	TUBE ASM 0.38 SLIDER26 JIB RETRACT VALVE	1
21	54603	TUBE ASM 0.38 SLIDER26 JIB RETRACT	1
22	54743	TUBE ASM 0.38 SLIDER26 JIB EXTEND	1
23	8622	CLAMP HOSE/TUBE AG-2	6
24	0347	NUT 0.38-16 HHGR5 NYLOC	7
25	0332	CAP SCR 0.25-20X1.75 HHGR5	2
26	0340	WASHER 0.25 USS FLAT ZINC	2

Dump Assembly - PN 53735



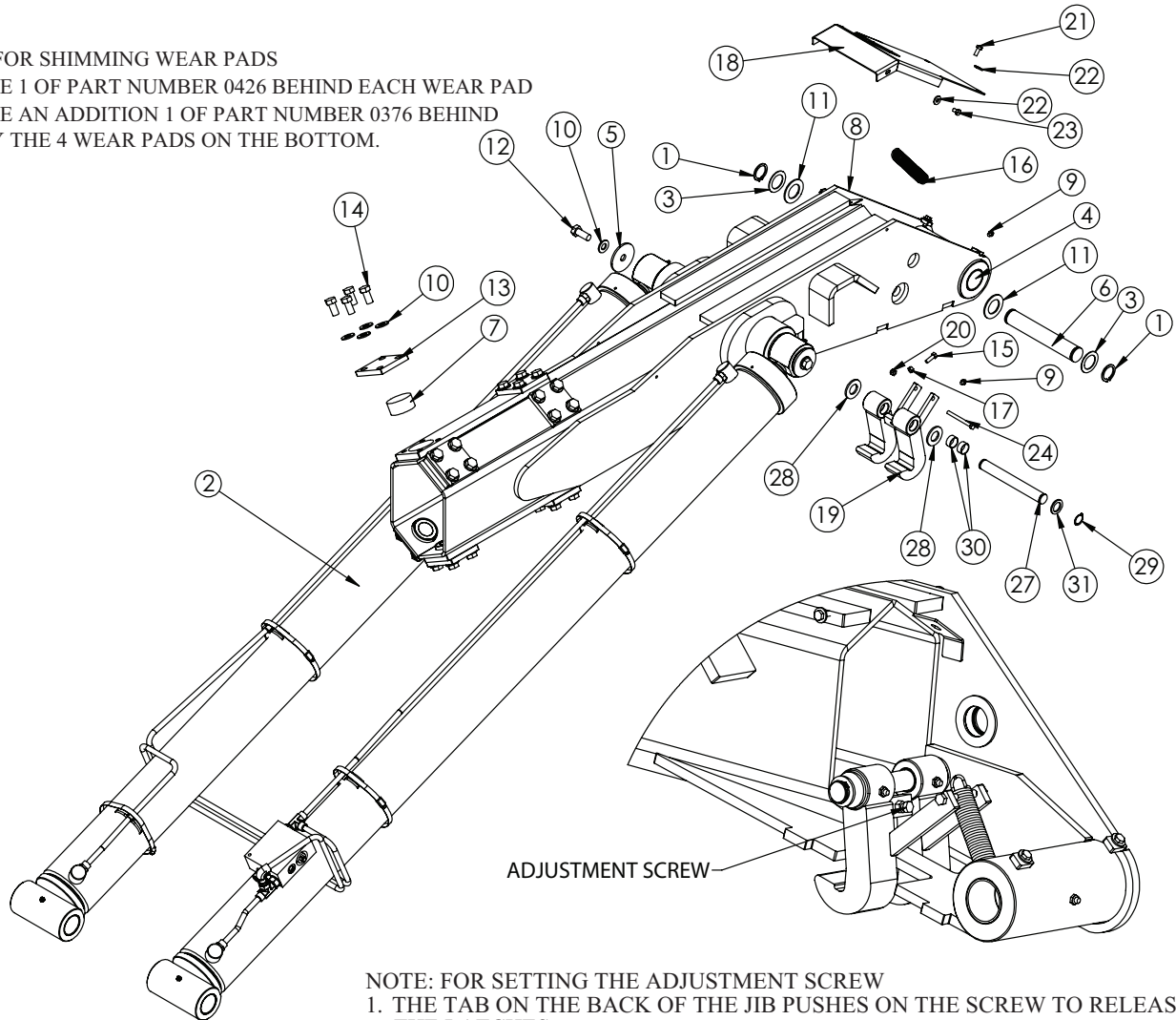
PN 53735

ITEM	PART	DESCRIPTION	QTY.
1	0347	NUT 0.38-16 HH NYLOC	2
2	0635	BUSHING 40DXR32 GARLOCK	4
3	1546	THRUST WASHER 2.01DIA UHMW .12THK	2
4	1547	THRUST WASHER	4
5	21496PC	ROLLER 4" DUCTILE POWDERCOAT YEL	2
6	2257	SNAP RING INSIDE 2.00	2
7	23930PC	COLLAR 2.51X3.50X1.00	2
8	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	4
9	53734	DUMP WLDMT 26KS	1
10	53737	PIN 2.00X13.81 CR	1
11	C0953	CAP SCR 0.38-16X4.00 HHGR5	2
12	c1592	ZERK 1/8 NPT STRAIGHT	4
13	C1597	ZERK 1/8 NPT 90 DEG	2
14	4380	BUSHING 32DXR24 2.00X1.50 GARLOCK	2
15	0352	WASHER 0.50 USS FLAT ZINC	8
16	C0990	CAP SCR 0.50-13X0.75 HHGR5	2
17	45373	ROLLER 4.00 OUTSIDE KP60	2
18	54522	PIN TEAR DROP 2.00X4.38 W/ZERK	2
19	54649	COLLAR 2.51X3.50X1.13 UHMW	2
20	0427	MACHY WASHER 2.00ID 10GA	2
21	54648	PIN WLDMT 2.50X14.19	2
22	0350	CAP SCR 0.50-13X1.00 HHGR5	6
23	54740	LATCH INSIDE BOLT ON	2
24	8621	CLAMP HOSE/TUBE AG-3	1
25	0343	WASHER 0.31 USS FLAT ZINC	1
26	0342	NUT 0.31-18 HH NYLOC	1

Secondary Assembly - PN 53669

NOTE: FOR SHIMMING WEAR PADS

1. PLACE 1 OF PART NUMBER 0426 BEHIND EACH WEAR PAD
2. PLACE AN ADDITION 1 OF PART NUMBER 0376 BEHIND ONLY THE 4 WEAR PADS ON THE BOTTOM.



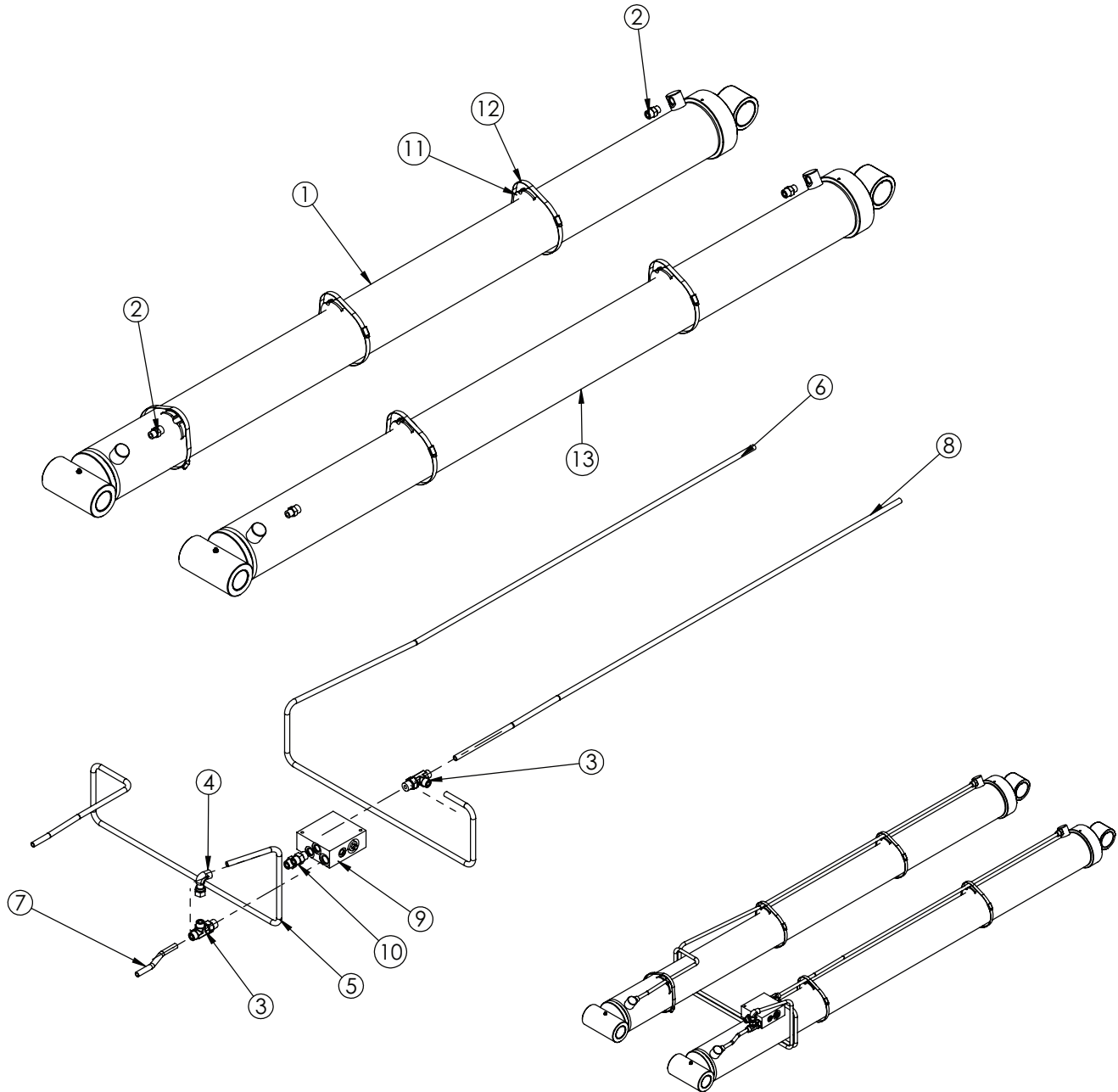
NOTE: FOR SETTING THE ADJUSTMENT SCREW

1. THE TAB ON THE BACK OF THE JIB PUSHES ON THE SCREW TO RELEASE THE LATCHES
2. THE SCREW SHOULD BE SET SO THAT WHEN THE JIB IS FULLY RETRACTED THE LATCHES CLEAR THE DUMP LATCH BAR AND DO NOT COME IN CONTACT WITH THE BOTTOM SECONDARY PLATE

PN 53669

ITEM	PART	DESCRIPTION	QTY.	ITEM	PART	DESCRIPTION	QTY.
1	0246	SNAP RING ID 7200 150	2	16	54817	SPRING 1.00ODX0.125X4.50	1
2	53770	CYLINDER ASM DUAL SLIDER 26K	1	17	0534	NUT 0.31-18 HHGR5	1
3	0376	MACHY WASHER 1.50ID 14GA	6	18	54819	FORMED PLATE COVER SEC SLIDER 26	1
4	4381	BUSHING 32DXR32 2.00X2.00 GARLOCK	2	19	54221PC	DUMP LATCH WLDMT SLIDER 26	1
5	8454	PIN CAP 0.69x3.00x0.19 SS	2	20	12520	NUT 0.31-18 HH NYLOC SS	2
6	30961	PIN 1.50X9.25 SR SS	1	21	0420	CAP SCR 0.31-18X0.75 HHGR5	2
7	30962	WEAR PAD 2.50X1.25	8	22	0343	WASHER 0.31 USS FLAT ZINC	4
8	53670	SECONDARY SLIDER 26	1	23	0484	CAP SCR 0.31-18X0.50 HHGR5	2
9	C1592	ZERK 1/8 NPT STRAIGHT	3	24	12178	CAP SCR 0.31-18X3.25 HHGR5	1
10	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	34	25	0426	MACHY WASHER 1.50ID 10GA	8
11	D0419	THRUST WASHER	2	26	0488	CAP SCR 0.31-18X2.00 HHGR5	1
12	0356	CAP SCR 0.63-11X1.50 HHGR8	2	27	0164	PIN 1.00X8.38	1
13	54222PC	PLATE WEAR PAD CAP SLIDER 26	8	28	6538	WASHER 1.00 SAE FLAT YELLOW GR8	2
14	40019	CAP SCR 0.63-11X1.25 HHGR8	32	29	0110	SNAP RING 1.00 ID 7200-100	2
15	C0922	CAP SCR 0.31-18X1.00 HHGR5	1	30	20362	BUSHING BPC16DXR08 1.00X.50	4
				31	0424	MACHY WASHER 1.00ID 10GA	2

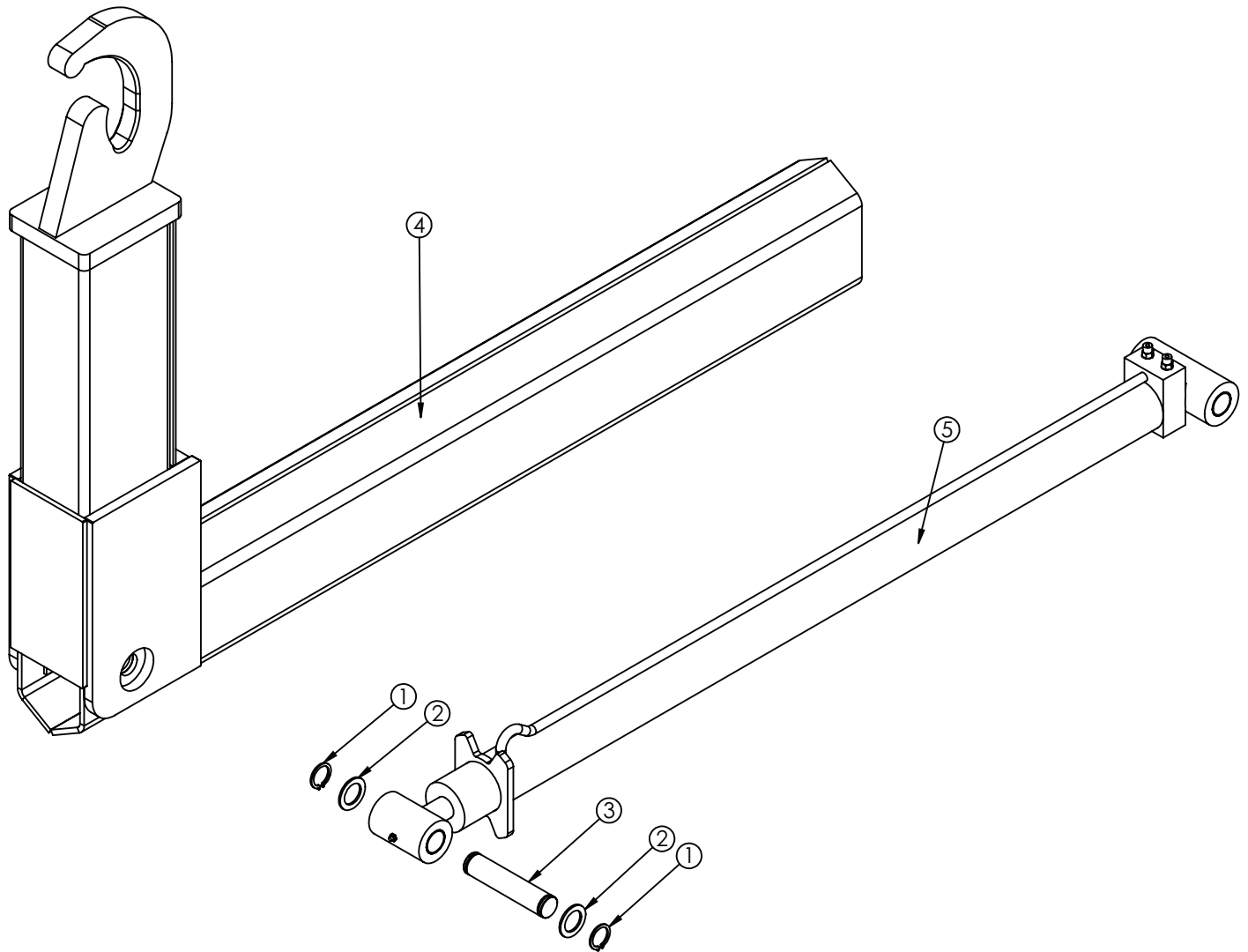
Main Cylinder Assembly - PN 53770



PN 53770

ITEM	PART	DESCRIPTION	QTY.
1	53447	CYLINDER 5.00X78.00	2
2	1554	FTG ADAPT 8-F5OLO-S	6
3	37179	FTG ST RUN TEE 8-10-8R5OLO	2
4	C2376	FTG ADAPT 8-C6LO-S	1
5	53773	TUBE ASM 0.50 SLIDER 26 CS EXTEND YZ	1
6	53849	TUBE ASM 0.50 SLIDER 26 CS RETRACT YZ	1
7	53847	TUBE ASM 0.50 SLIDER 26 SS EXTEND YZ	1
8	53848	TUBE ASM 0.50 SLIDER 26 SS RETRACT YZ	1
9	15995	MANIFOLD ASM DUAL T2A 5000PSI	1
10	18701	CLAMP PORT TUBE ZR518	5
11	19369	HOSE CLAMP 4.13-7.00 5416K38	5

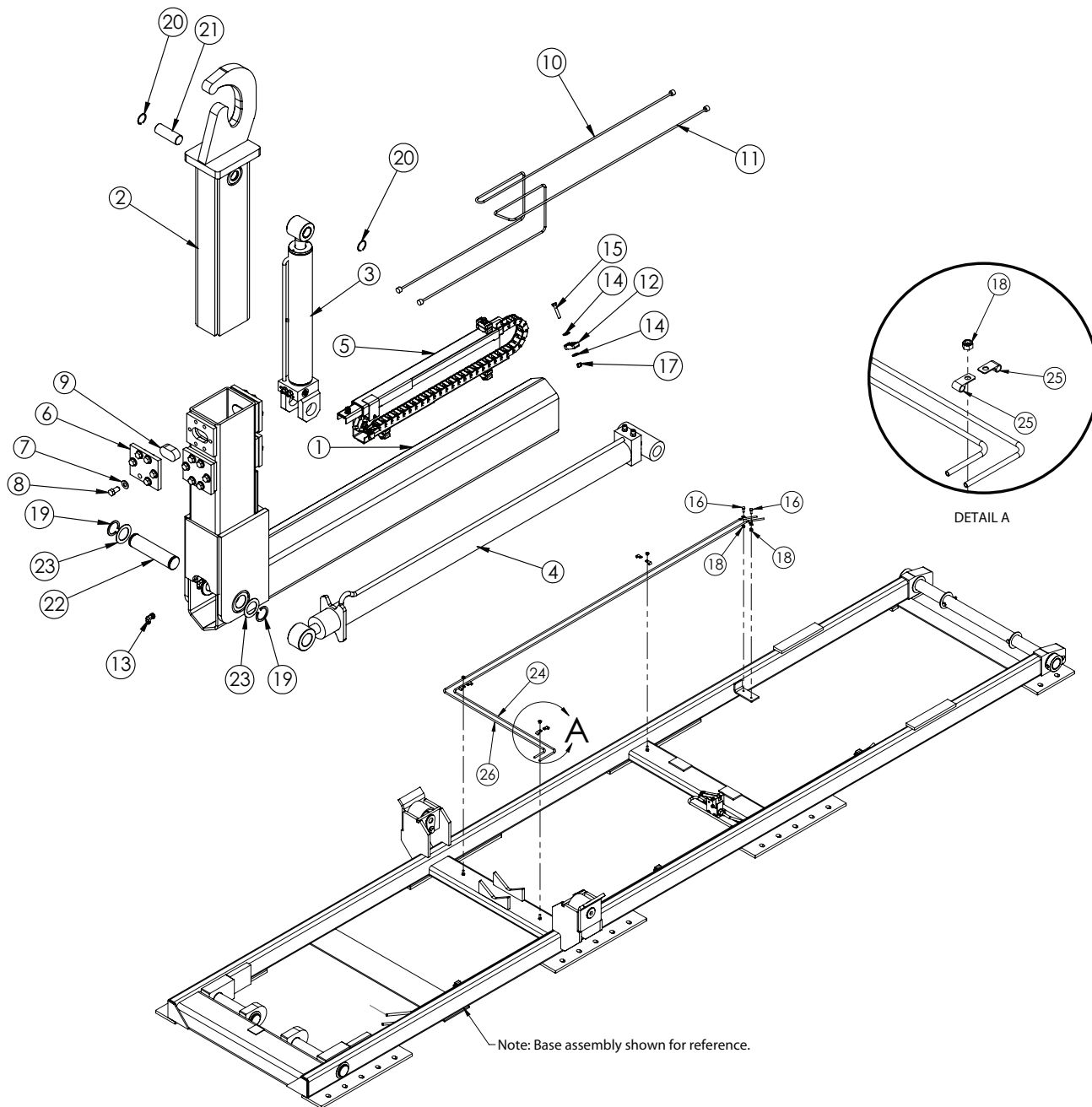
Jib Assembly (36" Hook Height) - PN 53463



PN 53463

ITEM	PART	DESCRIPTION	QTY.
1	0246	SNAP RING ID 7200 150	2
2	0426	MACHY WASHER 1.50ID 10GA	2
3	28021	PIN 1.50X7.00	1
4	53453	JIB SLIDER 26 36HH SBH	1
5	28022	CYLINDER ASM 3.00X42.00	1

Jib Assembly (36/54" Hook Height) - PN 53961

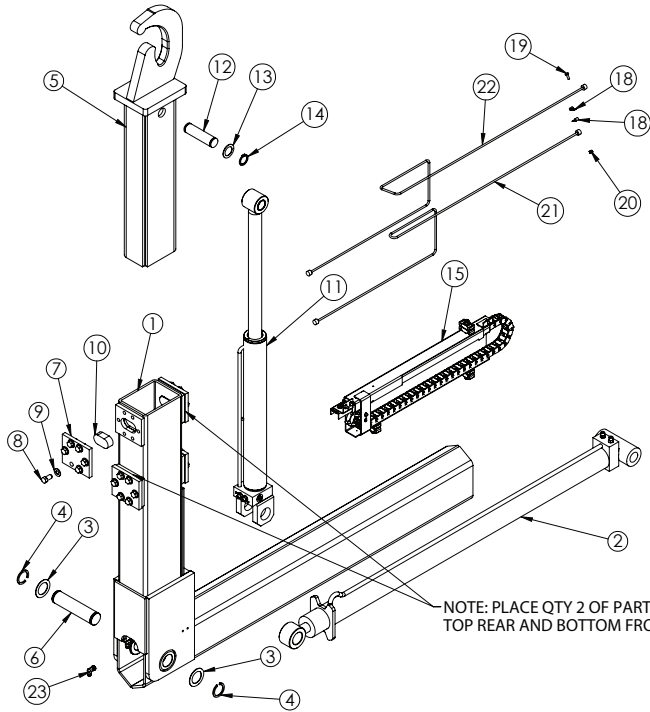


PN 53961

ITEM	PART	DESCRIPTION	QTY	ITEM	PART	DESCRIPTION	QTY
1	54061	JIB HYD SLIDER 26 36/54HH	1	13	D1314	FTG SWIVEL NUT ELBOW 4-C6LO-S	2
2	54064	JIB TOP SLIDER 26 HYD ADJUST 36/54HH	1	14	0346	WASHER 0.38 USS FLAT ZINC	2
3	54529	CYLINDER ASM 3.00X17.88	1	15	0353	CAP SCR 0.38-16X2.00 HHGR5	1
4	54527	CYLINDER ASM 3.00X42.00 SHORT BOSS	1	16	0479	CAP SCR 0.25-20X0.75 HHGR5	2
5	54213	HOSE TRACK ASM SLIDER 26	1	17	0347	NUT 0.38-16 HHGR5 NYLOC	1
6	43513PC	PLATE WEAR PAD COVER SLIDER34 JIB	4	18	0333	NUT 0.25-20 HHGR5 NYLOC	5
7	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	24	19	0108	SNAP RING 2.00 7200-200	2
8	40019	CAP SCR 0.63-11X1.25 HHGR8 ZY	24	20	54129	SNAP RING INSIDE 1.50	2
9	42448	WEAR PAD A2 HYD JIB	4	21	54130	PIN 1.50X4.31	1
10	54874	TUBE ASM 0.25 SLIDER26 JIB HH SMALL BEND	1	22	47847	PIN 2.00X8.44	1
11	54873	TUBE ASM 0.25 SLIDER26 JIB HH LARGE BEND	1	23	0377	MACHY WASHER 2.00ID 14GA	2
12	8622	CLAMP HOSE/TUBE AG-2	1	24	55110	TUBE ASM 0.25 SLIDER26 JIB HH	1
				25	C5606	CLAMP 0.25 BLK VINYL	8
				26	55227	TUBE ASM 0.25 SLIDER26 JIB HH	1

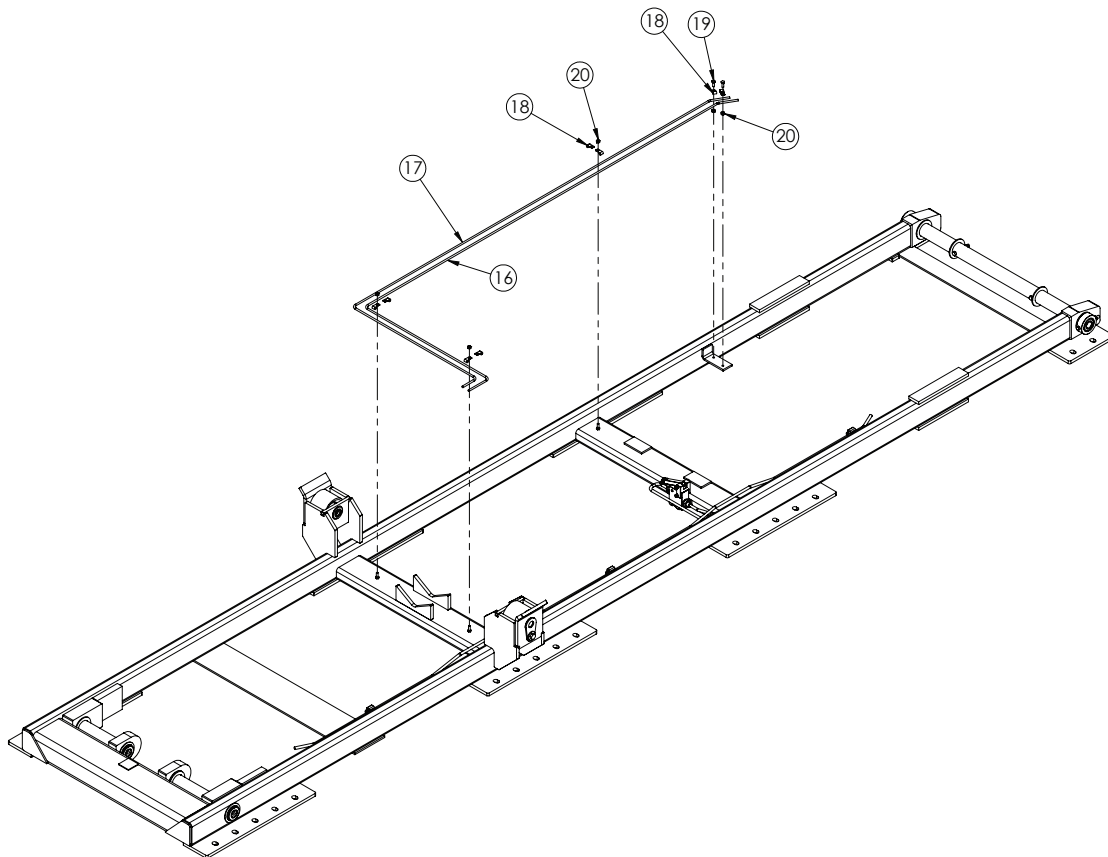
Jib Assembly (54/62" Hook Height) - PN 53962

PN 53962

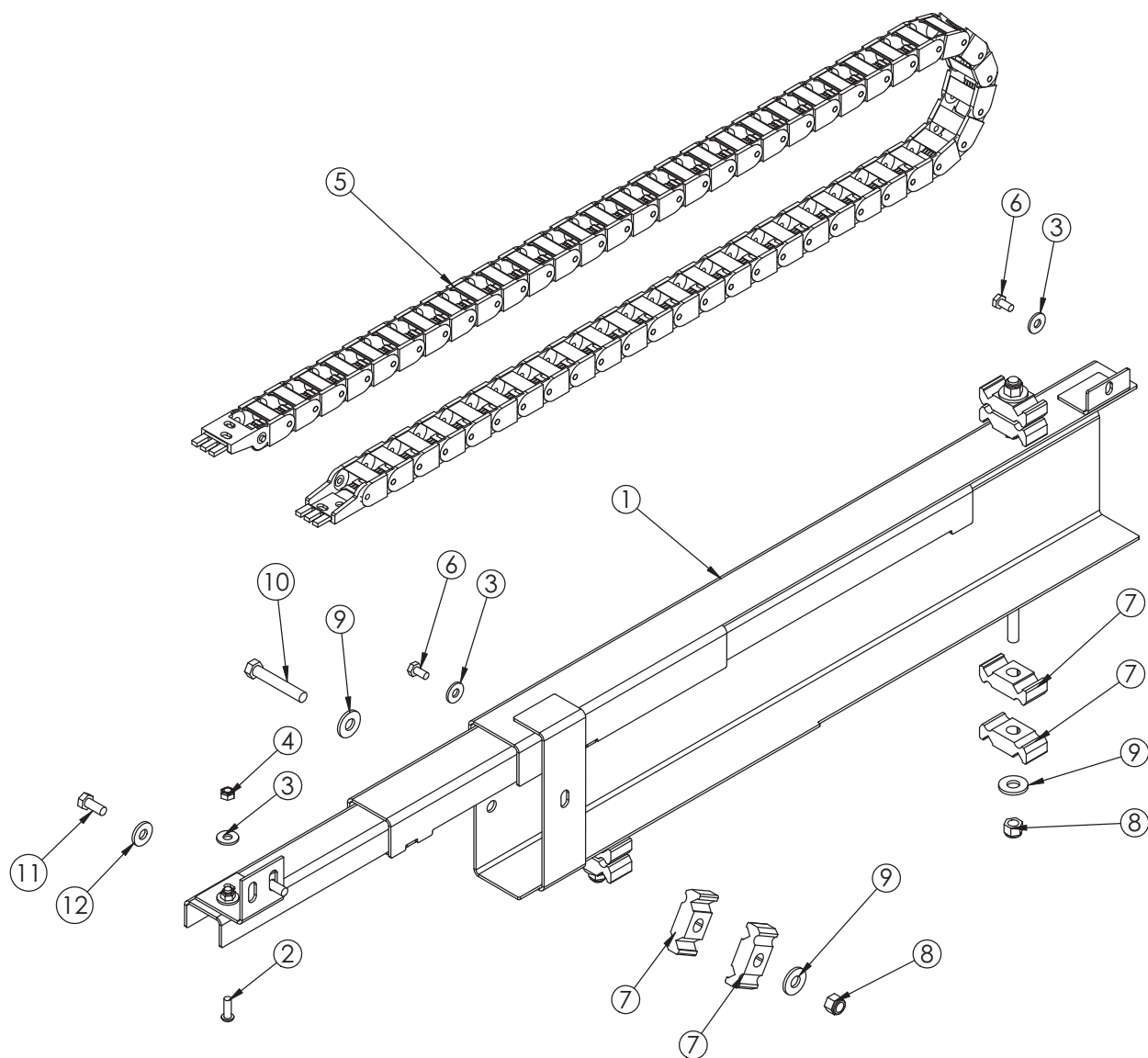


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	54062	JIB HYD SLIDER 26 54/62HH	1
2	54527	CYLINDER ASM 3.00X42.00 SHORT BOSS	1
3	0377	MACHY WASHER 2.00ID 14GA	2
4	0108	SNAP RING 2.00 7200-200	2
5	53963	JIB TOP SLIDER 26 HYD ADJUST 54/62HH	1
6	47847	PIN 2.00X8.44 SR SS	1
7	43513PC	PLATE WEAR PAD COVER SLIDER34 JIB	4
8	40019	CAP SCR 0.43-11X1.25 HHGR8 ZY	24
9	C5902	WASHER 0.63 SAE FLAT YELLOW GR8	24
10	42448	WEAR PAD A2 HYD JIB	4
11	43505	CYLINDER ASM 3.00X7.75	1
12	42756	PIN 1.50X5.75 SR SS	1
13	0376	MACHY WASHER 1.50ID 14GA	2
14	0246	SNAP RING ID 7200 150	2
15	54213	HOSE TRACK ASM SLIDER 26	1
16	55110	TUBE ASM 0.25 SLIDER26 JIB HH YZ	1
17	55227	TUBE ASM 0.25 SLIDER26 JIB HH YZ	1
18	C5606	CLAMP 0.25 BLK VINYL	10
19	0479	CAP SCR 0.25-20X0.75 HHGR5	3
20	0333	NUT 0.25-20 HHGR5 NYLOC	6
21	54874	TUBE ASM 0.25 SLIDER26 JIB HH SMALL BEND YZ	1
22	54873	TUBE ASM 0.25 SLIDER26 JIB HH LARGE BEND YZ	1
23	D1314	FTG SWIVEL NUT ELBOW 4-C&LO-S	2
24	0375	MACHY WASHER 0.75ID 14GA	4

NOTE: PLACE QTY 2 OF PART NUMBER 0375 WASHERS BEHIND ONLY THE TOP REAR AND BOTTOM FRONT WEAR PADS FOR SHIMMING.



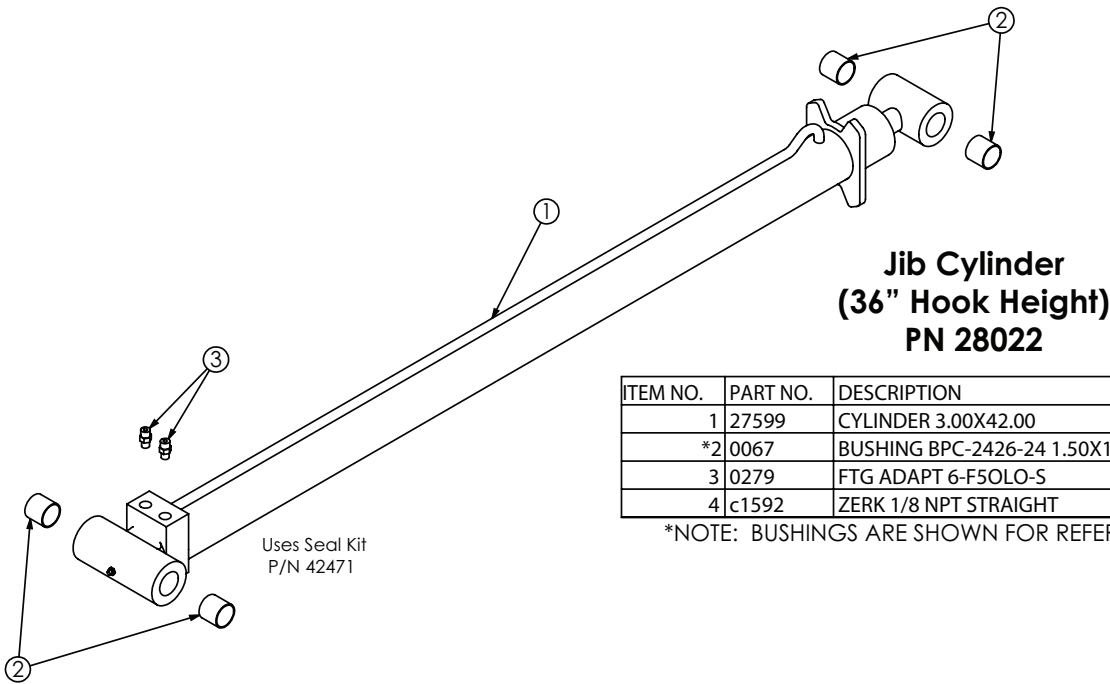
Hose Track - PN 54213



PN 54213

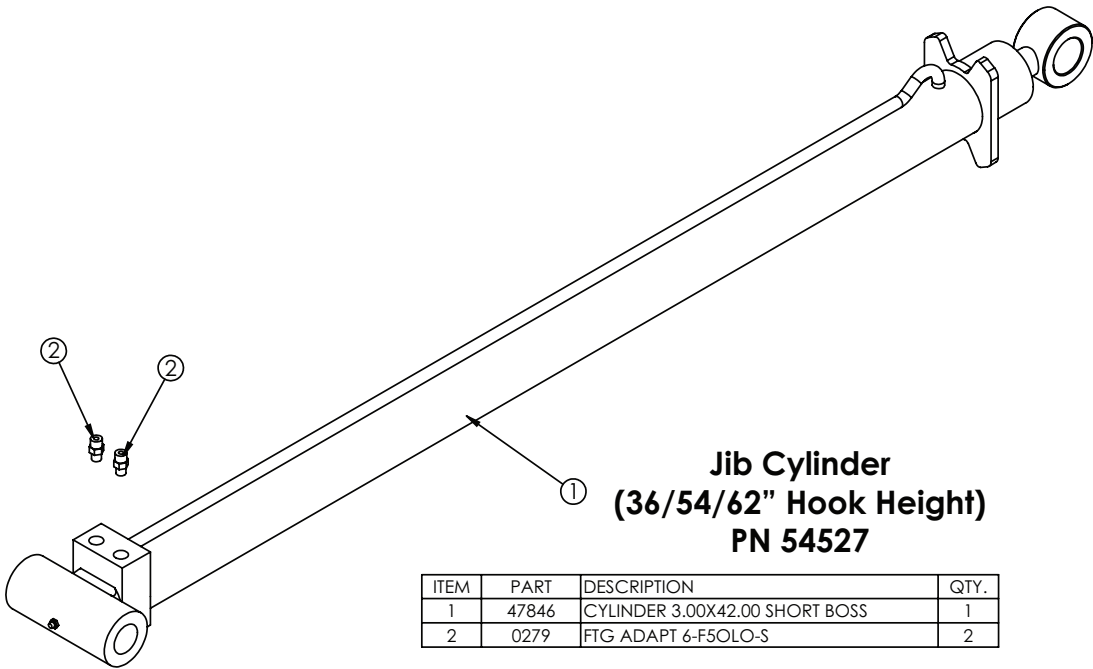
ITEM	PART	DESCRIPTION	QTY.
1	54131	HOSE TRACK WLDMT SLIDER 26	1
2	C6021	CAP SCR 0.25-20X0.75 BTNHD SS	4
3	0340	WASHER 0.25 USS FLAT ZINC	6
4	0333	NUT 0.25-20 HHGR5 NYLOC	4
5	54193	HOSE TRACK SLIDER 26	1
6	0478	CAP SCR 0.25-20X0.50 HHGR5	2
7	8622	CLAMP HOSE/TUBE AG-2	8
8	0347	NUT 0.38-16 HHGR5 NYLOC	4
9	0346	WASHER 0.38 USS FLAT ZINC	5
10	C0946	CAP SCR 0.38-16X2.25 HHGR5	1
11	0420	CAP SCR 0.31-18X0.75 HHGR5	2
12	0343	WASHER 0.31 USS FLAT ZINC	2
13	54214	ANGLE FORMED 0.63X1.50X12GAX3.00	1

Slider26 Cylinder Assemblies

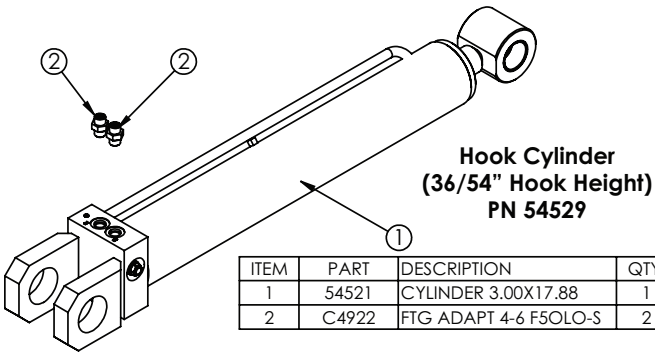


ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	27599	CYLINDER 3.00X42.00	1
*2	0067	BUSHING BPC-2426-24 1.50X1.50	4
3	0279	FTG ADAPT 6-F5OLO-S	2
4	c1592	ZERK 1/8 NPT STRAIGHT	2

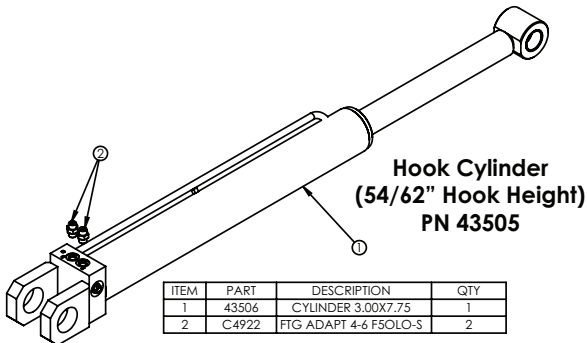
*NOTE: BUSHINGS ARE SHOWN FOR REFERENCE ONLY.



ITEM	PART	DESCRIPTION	QTY.
1	47846	CYLINDER 3.00X42.00 SHORT BOSS	1
2	0279	FTG ADAPT 6-F5OLO-S	2



ITEM	PART	DESCRIPTION	QTY.
1	54521	CYLINDER 3.00X17.88	1
2	C4922	FTG ADAPT 4-6 F5OLO-S	2



ITEM	PART	DESCRIPTION	QTY.
1	43506	CYLINDER 3.00X7.75	1
2	C4922	FTG ADAPT 4-6 F5OLO-S	2

Chapter 7 - Replacement Parts

HYDRAULIC SYSTEM COMPONENTS

PART#	DESCRIPTION
10094	PRESSURE GAUGE - HYDRAULIC
16145	GAUGE - FILTER SERVICE
C6228	FILTER HEAD
C6225	FILTER - HYDRAULIC
C6327	FILTER STRAINER - HYDRAULIC RESERVOIR
15463	THERMO-SIGHT GAUGE - HYDRAULIC RESERVOIR
15464	TANK COVER - 6" CLEAN OUT - HYDRAULIC RESERVOIR
18552	CAP FILL ASM
15462	CAP FILL ASM - HYDRAULIC RESERVOIR
C1090	C-BALANCE VALVE - LIFT & TILT CYLINDER
28510	PRESSURE RELIEF VALVE
29683	SEAL KIT - VDM8 VALVE SECTION
24611	VALVE BANK 2-SECTION VDM8
47562	VALVE BANK 2-SECTION VDM8 W/AIR ACTUATORS
C2028	O RING (#6 FACE SEAL) (HYDRAULIC FITTINGS)
C2029	O RING (#8 FACE SEAL) (HYDRAULIC FITTINGS)
32223	O RING (#10 FACE SEAL) (HYDRAULIC FITTINGS)
D1246	O RING (#6 SAE PORT SIDE) (HYDRAULIC FITTINGS)
D1247	O RING (#8 SAE PORT SIDE) (HYDRAULIC FITTINGS)
D1248	O RING (#10 SAE PORT SIDE) (HYDRAULIC FITTINGS)
53447	LIFT CYLINDER
41038	SEAL KIT - LIFT CYLINDER
27599	JIB CYLINDER 36" HOOK HEIGHT
47846	JIB CYLINDER 36" / 54" HOOK HEIGHT
54521	JIB HOOK CYLINDER 36" / 54" HOOK HEIGHT
42471	SEAL KIT - ALL JIB CYLINDERS / HOOK HEIGHT CYLINDER
54193	HOSE TRACK
54602	TUBE ASSEMBLY (JIB RETRACT VALVE) BASE ASSY
54603	TUBE ASSEMBLY (JIB CYLINDER RETRACT) BASE ASSY
54743	TUBE ASSEMBLY (JIB CYLINDER EXTEND) BASE ASSY
53849	TUBE ASSEMBLY (LIFT CYLINDER) CS RETRACT 0.50
53773	TUBE ASSEMBLY (LIFT CYLINDER) CS EXTEND 0.50
53848	TUBE ASSEMBLY (LIFT CYLINDER) SS EXTEND 0.50
53847	TUBE ASSEMBLY (LIFT CYLINDER) SS RETRACT 0.50
54874	TUBE ASSEMBLY (JIB CYLINDER) SMALL BEND 0.25
54873	TUBE ASSEMBLY (JIB CYLINDER) LARGE BEND 0.25
55110	TUBE ASSEMBLY (JIB CYLINDER) 0.25 BASE MOUNT
55227	TUBE ASSEMBLY (JIB CYLINDER) 0.25 BASE MOUNT

STOP SYSTEM COMPONENTS

PART#	DESCRIPTION
41133	WIRE HARNESS - STOP SYSTEM
41134	WIRE HARNESS - DUMP VALVE
53853	PLUNGER VALVE
10953	SWITCH

ASSEMBLY COMPONENT PARTS

PART#	DESCRIPTION
0635	BUSHING 2.50" X 2.00"
4380	BUSHING 2.00" X 1.50"
4381	BUSHING 2.00" X 2.00"
0356	CAP SCREW 0.63-11 X 1.50 HH GR8
C5902	WASHER 0.63 SAE FLAT GR8
53774	CAP SCREW 0.63-11 X 8.50 HH GR8 (DUMP LATCH)
D0419	THRUST WASHER 1.51 DIA. UHMW
1546	THRUST WASHER 2.01 DIA. UHMW
1547	THRUST WASHER 2.51 DIA. UHMW
0376	MACHINE WASHER 1.50 ID 14GA
0377	MACHINE WASHER 2.00 ID 14GA
0426	MACHINE WASHER 1.50 ID 10GA
0427	MACHINE WASHER 2.00 ID 10GA
0108	SNAP RING 2.00"
0246	SNAP RING 1.50"
2257	SNAP RING 2.00" INTERNAL
54129	SNAP RING 1.50" INTERNAL
54649	COLLAR 2.50 X 3.50 X 1.13 UHMW
22764PC	COLLAR 2.01 X 3.00 X 1.00
23930PC	COLLAR 2.01 X 3.50 X 1.00
C1592	GREASE ZERK 1/8 NPT STRAIGHT
C1597	GREASE ZERK 1/8 NPT 90 DEGREE
42448	WEAR PAD - JIB
30962	WEAR PAD - SECONDARY
54222PC	PLATE - WEAR PAD (SECONDARY)
43513PC	PLATE - WEAR PAD (JIB)
54221PC	DUMP LATCH WELDMENT
54817	SPRING
54740	LATCH - INSIDE (BOLT ON)
8454	PIN CAP - 0.69 X 3.00 X 0.19 SS
45373	ROLLER 4.00" BASE & DUMP ASSY
21496PC	ROLLER - REAR
8622	CLAMP - HOSE/TUBE
18701	HOSE CLAMP - LIFT CYLINDER ASSY
19369	CLAMP - LIFT CYLINDER PORT TUBE ASSY

CONTROLLER ASSEMBLY COMPONENTS

PART#	DESCRIPTION
37474	CONTROLLER - CENTERLOCK RIGHT BEND
37475	CONTROLLER - CENTERLOCK LEFT BEND
37476	CONTROLLER - CENTERLOCK NO BEND
41989	CONTROLLER ASM - AIR CENTERLOCK (OPTIONAL)
37471	CONTROL CABLE - 96.00"
37472	CONTROL CABLE - 144.00"
37473	CONTROL CABLE - 196.00"
37469	CABLE CONNECTOR KIT
C0868	SWITCH - PUSH / PULL 12V
26288	INDICATOR LIGHT - PTO
D1698	INDICATOR LIGHT - DUMP UP LIGHT

Chapter 8 - Troubleshooting

This chapter will list a number of potential problems that may occur while operating the Hooklift. Most problems are easily solved using the solutions portion of this chapter. If problems persist, please contact Customer Service at Stellar Industries 1-800-321-3741.

Problem: Hooklift will not operate or operates slow.

Solutions:

- Make sure the PTO is engaged.
- Make sure the control lever/cable assembly or air actuator are shifting the spool valves on the valve section
- Make sure that the hydraulic pump is operating at its rated flow or GPMs under load. Check the flow by using a flow meter to determine the GPMs. To find the proper flow the equipment is to operate at, see Chapter 6 of the Hooklift Owner's Manual.
- Make sure the relief pressure is properly set per the specifications page of the hooklift owners manual.
- Make sure the spool valves on the valve bank are adjusted and operating smoothly.

Problem: Hydraulic system gets extremely hot.

Solutions:

- Make sure the hydraulic filter has been changed per the maintenance page of the Hooklift Owner's Manual.
- Make sure the filter strainer of the hydraulic reservoir is not plugged.
- Make sure that the hydraulic pump is operating at its rated flow or GPMs.
- Make sure the relief pressure is set properly. See the Table on page 20 of Chapter 6: Installation for proper setting.

Problem: Hooklift will not lift or pickup a loaded container.

Solutions:

- Make sure the container contents are evenly distributed.
- Make sure the container and its load does not exceed the rated capacity.
- Make sure the relief pressure is properly set per the Table on page 20 of Chapter 6: Installation for proper setting.
- Make sure the hydraulic pump is operating at its rated flow or GPMs. See Chapter 4: Specifications.
- Make sure that the container is not fixed to the ground or frozen down.

Problem: Cylinders drift upward or downward while hydraulics are dis-engaged.

Solutions:

- Make sure valve spools are shifting to the neutral position.
- Possible contamination keeping the holding valve open.
- Possible internal piston seals rolled or damaged.

Problem: Hooklift binds at pivot points.

Solutions:

- Make sure the pivot points are lubricated.
- Make sure pivot pins are not seized to the bushing.
- Make sure the weldments or pins are not misaligned or bent.

Contact Customer Service at Stellar Industries: 1-800-321-3741



Limited Warranty Statement

Stellar Industries, Inc. (Stellar) warrants products designed and manufactured by Stellar to be free from defects in material and workmanship under proper use and maintenance. Products must be installed and operated in accordance with Stellar's written instructions and capacities. This warranty shall cover the following:

Stellar Cranes, Stellar Hooklift Hoists, Stellar Cable Hoists, Stellar Container Carriers, Stellar Service Trucks, and Stellar X-Tra-Lift Systems:

Twelve (12) month warranty on parts from the date recorded by Stellar as the in-service date, not to extend beyond twenty-four (24) months from date of manufacture,

Twelve (12) month repair labor from the date recorded by Stellar as the in-service date, not to extend beyond twenty-four (24) month from date of manufacture, and

Thirty-six (36) month warranty on all Stellar Manufactured structural parts from the date recorded by Stellar as the in-service date, not to extend beyond forty-eight (48) months from date of manufacture.

Stellar Tarper Systems:

Twelve (12) month warranty on parts from the date recorded by Stellar as the in-service date, not to extend beyond twenty-four (24) months from date of manufacture and

Three (3) month repair labor from the date recorded by Stellar as the in-service date, not to extend beyond fifteen (15) month from date of manufacture.

The in-service date will be derived from the completed warranty registration card. In the event a warranty registration card is not received by Stellar, the factory ship date will be used.

Stellar's obligation under this warranty is limited to, and the sole remedy for any such defect shall be, the repair and/or replacement (at Stellar's option) of the unaltered part and/or component in question. Stellar after-sales service personnel must be notified by telephone, fax, or letter of any warranty-applicable damage within fourteen (14) days of its occurrence. If at all possible, Stellar will ship the replacement part within 24-hours of notification by the most economical, yet expedient, means possible. Expedited freight delivery will be at the expense of the owner.

Warranty claims must be submitted and shall be processed in accordance with Stellar's established warranty claim procedure. Stellar after-sales service personnel must be contacted prior to any warranty claim. A return materials authorization (RMA) account number must be issued to the claiming party prior to the return of any warranty parts. Parts returned without prior authorization will not be recognized for warranty consideration. All damaged parts must be returned to Stellar freight prepaid; freight collect returns will be refused. Freight reimbursement of returned parts will be considered as part of the warranty claim.

Warranty service will be performed by any Stellar new equipment distributor, or by any Stellar-recognized service center authorized to service the type of product involved, or by the Stellar factory in the event of a direct sale. At the time of requesting warranty service, the owner must present evidence of date of delivery of the product. The owner shall be obligated to pay for any overtime labor requested of the servicing company by the owner, any field service call charges, and any towing and/or transportation charges associated with moving the equipment to the designated repair/service provider.

All obligations of Stellar and its authorized dealers and service providers shall be voided if someone other than an authorized Stellar dealer provides other than routine maintenance service without prior written approval from Stellar. In the case repair work is performed on a Stellar-manufactured product, original Stellar parts must be used to keep the warranty in force. The warranty may also be voided if the product is modified or altered in any way not approved, in writing, by Stellar.

The owner/operator is responsible for furnishing proof of the date of original purchase of the Stellar product in question. Warranty registration is the ultimate responsibility of the owner and may be accomplished by the completion and return of the Stellar product registration card provided with the product. If the owner is not sure of registration, he is encouraged to contact Stellar at the address below to confirm registration of the product in question. This warranty covers only defective material and workmanship. It does not cover depreciation or damage caused by normal wear and tear, accident, mishap, untrained operators, or improper or unintended use. The owner has the obligation of performing routine care and maintenance duties as stated in Stellar's written instructions, recommendations, and specifications. Any damage resulting from owner/operator failure to perform such duties shall void the coverage of this warranty. The owner will pay the cost of labor and supplies associated with routine maintenance.

The only remedies the owner has in connection with the breach or performance of any warranty on the Stellar product specified are those set above. In no event will Stellar, the Stellar distributor/dealer, or any company affiliated with Stellar be liable for business interruptions, costs of delay, or for any special, indirect, incidental, or consequential costs or damages. Such costs may include, but are not limited to, loss of time, loss of revenue, loss of use, wages, salaries, commissions, lodging, meals, towing, hydraulic fluid, or any other incidental cost.

All products purchased by Stellar from outside vendors shall be covered by the warranty offered by that respective manufacturer only. Stellar does not participate in, or obligate itself to, any such warranty.

Stellar reserves the right to make changes in design or improvement upon its products without imposing upon itself the same upon its products theretofore manufactured.

This warranty will apply to all Stellar Cranes, Stellar Hooklift Hoists, Stellar Cable Hoists, Stellar Container Carriers, Stellar Service Trucks, Stellar X-Tra-Lift Systems, and Stellar Tarper Systems shipped from Stellar's factory after January 1st, 2010. The warranty is for the use of the original owner only and is not transferable without prior written permission from Stellar.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. REMEDIES UNDER THIS WARRANTY ARE LIMITED TO THE PROVISION OF MATERIAL AND SERVICES, AS SPECIFIED HEREIN. STELLAR INDUSTRIES, INC. IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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