MODEL XT3

UNIT SERIAL NUMBER _____

MANUAL NUMBER: 88745-K

EFFECTIVE 07/2016

Highway Equipment Company

Building the best since 1939.

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CEDAR RAPIDS, IA 52404-7052
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www.highwayequipment.com

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PREFACE

PLEASE ! ALWAYS THINK SAFETY FIRST !!

The purpose of this manual is to familiarize the person (or persons) using this unit with the information necessary to properly install, operate, and maintain this system. The safety instructions indicated by the safety alert symbol in the following pages supersede the general safety rules. These instructions cannot replace the following: the fundamental knowledge that must be possessed by the installer or operator, the knowledge of a qualified person, or the clear thinking necessary to install and operate this equipment. Since the life of any machine depends largely upon the care it is given, we suggest that this manual be read thoroughly and referred to frequently. If for any reason you do not understand the instructions, please call your authorized dealer or our Product Sales and Support Department at 1-888-363-8006 or (319)-363-8281.

It has been our experience that by following these installation instructions, and by observing the operation of the spreader, you will have sufficient understanding of the machine enabling you to troubleshoot and correct all normal problems that you may encounter. Again, we urge you to call your authorized dealer or our Product Sales and Support Department if you find the unit is not operating properly, or if you are having trouble with repairs, installation, or removal of this unit.

We urge you to protect your investment by using genuine HECO parts and our authorized dealers for all work other than routine care and adjustments.

Highway Equipment Company reserves the right to make alterations or modifications to this equipment at any time. The manufacturer shall not be obligated to make such changes to machines already in the field.

This Safety Section should be read thoroughly and referred to frequently.

ACCIDENTS HURT !!!

ACCIDENTS COST !!!

ACCIDENTS CAN BE AVOIDED !!!

TAKE NOTE! THIS SAFETY ALERT SYMBOL FOUND THROUGHOUT THIS MANUAL IS USED TO CALL YOUR ATTENTION TO INSTRUCTIONS INVOLVING YOUR PERSONAL SAFETY AND THAT OF OTHERS. FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN INJURY OR DEATH.

In this manual and on the safety signs placed on the unit, the words "DANGER," "WARNING," "CAUTION," and "NOTICE" are used to indicate the following:

DANGER	Indicates an imminently hazardous situation that, if not avoided, WILL result in death or serious injury. This signal word is to be limited to the most extreme situations and typically for machine components that, for functional purposes, cannot be guarded.
WARNING	Indicates a potentially hazardous situation that, if not avoided, COULD result in death or serious injury, and includes hazards that are exposed when guards are removed. It may also be used to alert against unsafe practices.
CAUTION	Indicates a potentially hazardous situation that, if not avoided, MAY result in minor or moderate injury. It may also be used to alert against unsafe practices.
NOTICE!	Is used for informational purposes in areas which may involve damage or deterioration to equipment but generally would not involve the potential for personal injury.
NOTE:	Provides additional information to simplify a procedure or clarify a process.

The need for safety cannot be stressed strongly enough in this manual. At Highway Equipment Company, we urge you to make safety your top priority when operating any equipment. We firmly advise that anyone allowed to operate this machine be thoroughly trained and tested, to prove they understand the fundamentals of safe operation.

The following guidelines are intended to cover general usage and to assist you in avoiding accidents. There will be times when you will run into situations that are not covered in this section. At those times the best standard to use is common sense. If, at any time, you have a question concerning these guidelines, please call your authorized dealer or our factory at 1-888-363-8006 or (319)-363-8281.

MAINTENANCE INSTRUCTIONS

1. Keep safety decals and signs clean and legible at all times.

2. Replace safety decals and signs that are missing or have become illegible.

3. Replaced parts that displayed a safety sign should also display the current sign.

4. Safety decals or signs are available from your dealer's Parts Department or our Cedar Rapids factory.

INSTALLATION INSTRUCTIONS

1. Clean Surface
   Wash the installation surface with a synthetic, free-rinsing detergent. Avoid washing the surface with a soap containing creams or lotion. Allow to dry.

2. Position Safety Decal
   Decide on the exact position before application. Application marks may be made on the top or side edge of the substrate with a lead pencil, marking pen, or small pieces of masking tape. NOTE: Do not use chalk line, china marker, or grease pencil. Safety decals will not adhere to these.

3. Remove the Liner
   A small bend at the corner or edge will cause the liner to separate from the decal. Pull the liner away in a continuous motion at a 180-degree angle. If the liner is scored, bend at score and remove.

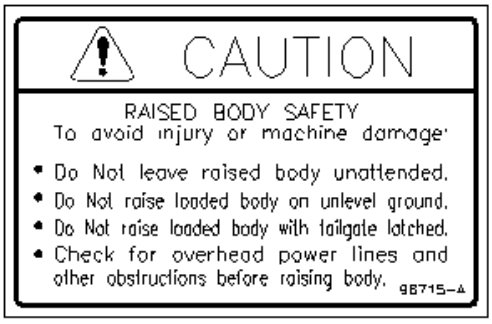
4. Apply Safety Decal
   a. Tack decal in place with thumb pressure in upper corners.
   b. Using firm initial squeegee pressure, begin at the center of the decal and work outward in all directions with overlapping strokes. NOTE: Keep squeegee blade even—nicked edges will leave application bubbles.
   c. Pull up tack points before squeegeeing over them to avoid wrinkles.

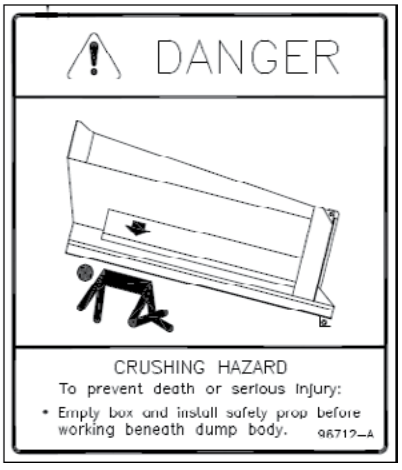
5. Remove Pre-mask
   If safety decal has a pre-mask cover remove it at this time by pulling it away from the decal at a 180 degree angle. NOTE: It is important that the pre-mask covering is removed before the decal is exposed to sunlight to avoid the pre-mask from permanently adhering to the decal.

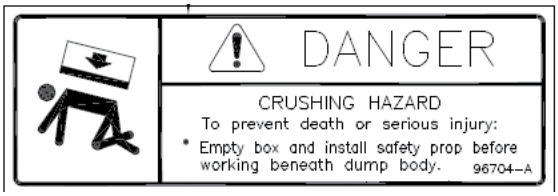
6. Remove Air Pockets
   Inspect the decal in the flat areas for bubbles. To eliminate the bubbles, puncture the decal at one end of the bubble with a pin (never a razor blade) and press out entrapped air with thumb moving toward the puncture.

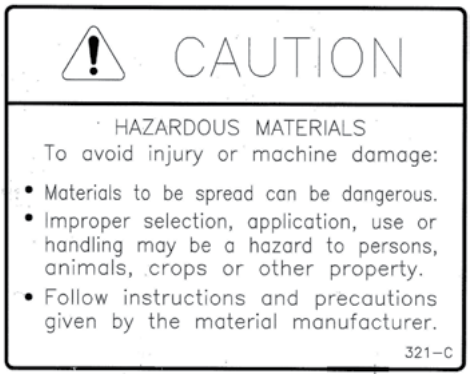
7. Re-Squeegee All Edges.

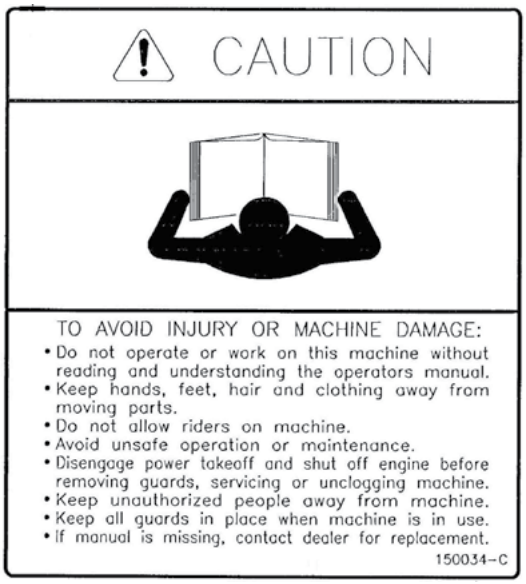
SAFETY DECALS

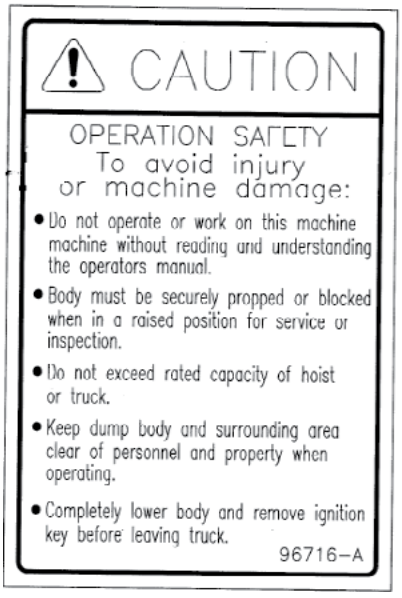


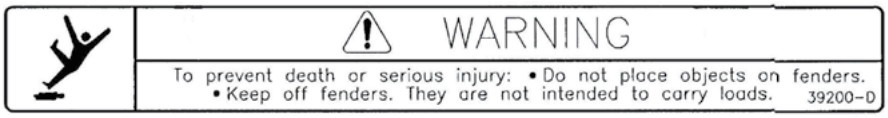


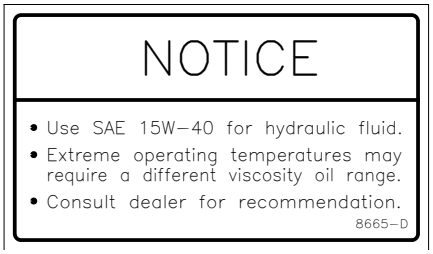

DANGER
CRUSHING HAZARD
To prevent death or serious injury:
• Empty box and install safety prop before working beneath dump body.
96704-A

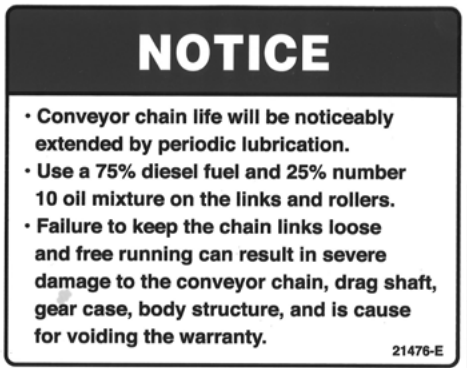

CAUTION
HAZARDOUS MATERIALS
To avoid injury or machine damage:
• Materials to be spread can be dangerous.
• Improper selection, application, use or handling may be a hazard to persons, animals, crops or other property.
• Follow instructions and precautions given by the material manufacturer.
321-C


CAUTION
TO AVOID INJURY OR MACHINE DAMAGE:
• Do not operate or work on this machine without reading and understanding the operators manual.
• Keep hands, feet, hair and clothing away from moving parts.
• Do not allow riders on machine.
• Avoid unsafe operation or maintenance.
• Disengage power takeoff and shut off engine before removing guards, servicing or unclogging machine.
• Keep unauthorized people away from machine.
• Keep all guards in place when machine is in use.
• If manual is missing, contact dealer for replacement.
150034-C


CAUTION
OPERATION SAFETY
To avoid injury or machine damage:
• Do not operate or work on this machine machine without reading and understanding the operators manual.
• Body must be securely propped or blocked when in a raised position for service or inspection.
• Do not exceed rated capacity of hoist or truck.
• Keep dump body and surrounding area clear of personnel and property when operating.
• Completely lower body and remove ignition key before leaving truck.
96716-A


WARNING
To prevent death or serious injury: • Do not place objects on fenders.
• Keep off fenders. They are not intended to carry loads.
39200-D


NOTICE
• Use SAE 15W-40 for hydraulic fluid.
• Extreme operating temperatures may require a different viscosity oil range.
• Consult dealer for recommendation.
8665-D


NOTICE
• Conveyor chain life will be noticeably extended by periodic lubrication.
• Use a 75% diesel fuel and 25% number 10 oil mixture on the links and rollers.
• Failure to keep the chain links loose and free running can result in severe damage to the conveyor chain, drag shaft, gear case, body structure, and is cause for voiding the warranty.
21476-E

1. Before attempting to operate this unit, read and be sure you understand the operation and maintenance manual. Locate all controls and determine the use of each. Know what you are doing!

2. When leaving the unit unattended for any reason, be sure to:
   a. Take power take-off out of gear.
   b. Shut off conveyor and spinner drives.
   c. Shut off vehicle engine and unit engine (if so equipped).
   d. Place transmission of the vehicle in “neutral” or “park”.
   e. Set parking brake firmly.
   f. Lock ignition and take keys with you.
   g. Lock vehicle cab.
   h. If on steep grade, block wheels.

   These actions are recommended to avoid unauthorized use, runaway, vandalism, theft and unexpected operation during start-up.

3. Do not read, eat, talk on a mobile phone or take your attention away while operating the unit. Operating is a full-time job.

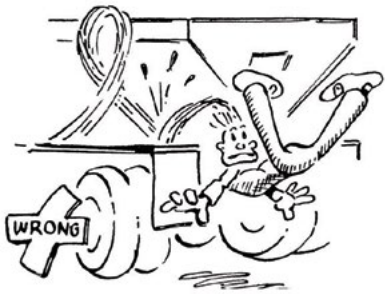
4. Stay out of the spreader while conveyor is operating. If it is necessary to get into the body for any reason, be sure all power is shut off, vehicle brakes are set, and the engine starting switch is locked and keys removed. All controls should be tagged to prohibit operation and tags should be placed and later removed only by the person who was working in the body.

5. Guards and covers are provided to help avoid injury. Stop all machinery before removing them. Replace guards and covers before starting spreader operation.

6. Stay clear of any moving members, such as shafts, couplings and universal joints. Make adjustments in small steps, shutting down all motions for each adjustment.

7. Before starting unit, be sure everyone is clear and out of the way.

8. Be careful in getting on and off unit, especially in wet, icy, snowy or muddy conditions. Clean mud, snow or ice from steps and footwear.



9. Do not allow anyone to ride on any part of unit for any reason.

10. Keep away from spinners while they are turning:
    a. Serious injury can occur if spinners touch you.
    b. Rocks, scrap metal or other material can be thrown off the spinner violently. Stay out of discharge area.
    c. Make sure discharge area is clear before spreading.

11. Inspect spinner fins, spinner frame mounting and spinner fin nuts and screws every day. Look for missing fasteners, looseness, wear and cracks. Replace immediately if required. Use only new SAE grade 5 or grade 8 screws and new self-locking nuts.

12. Inspect all bolts, screws, fasteners, keys, chain drives, body mountings and other attachments periodically. Replace any missing or damaged parts with proper specification items. Tighten all bolts, nuts and screws to specified torques according to the torque chart in this manual.

13. Shut off engine before filling fuel and oil tanks. Do not allow overflow. Wipe up all spills. Do not smoke. Stay away from open flame. FIRE HAZARD!

14. Starting fluids and sprays are extremely flammable. Don't smoke. Stay away from flame or heat!

15. All vehicles should be equipped with a serviceable fire extinguisher of 5 BC rating or larger.

16. Hydraulic system and oil can get hot enough to cause burns. DO NOT work on system that is hot. Wait until oil has cooled. If an accident occurs, seek immediate medical assistance.

17. Wear eye protection while working around or on unit.

18. Read, understand and follow instructions and precautions given by the manufacturer or supplier of materials to be spread. Improper selection, application, use or handling may be hazardous to people, animals, plants, crops or other property.

19. Cover all loads that can spill or blow away. Do not spread dusty materials where dust may create pollution or a traffic visibility problem.

20. Turn slowly and be careful when traveling on rough surfaces and side slopes, especially with a loaded spreader. Load may shift causing unit to tip.

21. Watch overhead clearance while raising body. Do not leave the job site with the body raised. A body-up switch with indicator is recommended. Consult factory.

22. Open tailgate before raising loaded body.

23. Stay clean of open tailgate.

24. Do not work under a non-supported body is any raised position.

25. When using a metering device, shut off spinner before placing box on hook or when removing it. Handle box with care to avoid injury.

26. Read and understand the precautionary decals on the spreader. Replace any that become defaced, damaged, lost or painted over. Replacement decals can be ordered from your dealer's parts department or from Highway Equipment Company by calling 1-888-363-8006 or (319) 363-8281.

1. Maintenance includes all lubrication, inspection, adjustments (other than operational control adjustments such as feedgate openings, conveyor speed, etc.) part replacement, repairs and such upkeep tasks as cleaning and painting.

2. When performing any maintenance work, wear proper protective equipment—always wear eye protection—safety shoes can help save your toes—gloves will help protect your hands against cuts, bruises, abrasions and from minor burns—a hard hat is better than a sore head!

3. Use proper tools for the job required. Use of improper tools (such as a screwdriver instead of a pry bar, a pair of pliers instead of a wrench, a wrench instead of a hammer) not only can damage the equipment being worked on, but can lead to serious injuries. USE THE PROPER TOOLS.

4. Before attempting any maintenance work (including lubrication), shut off power completely. DO NOT WORK ON RUNNING MACHINERY!

5. When guards and covers are removed for any maintenance, be sure that such guards are reinstalled before unit is put back into operation.

6. Check all screws, bolts and nuts for proper torques before placing equipment back in service. Refer to torque chart in this manual.

7. Some parts and assemblies are quite heavy. Before attempting to unfasten any heavy part or assembly, arrange to support it by means of a hoist, by blocking or by use of an adequate arrangement to prevent it from falling, tipping, swinging or moving in any manner which may damage it or injure someone. Always use lifting device that is properly rated to lift the equipment. Do not lift loaded spreader. NEVER LIFT EQUIPMENT OVER PEOPLE.

8. If repairs require use of a torch or electric welder, be sure that all flammable and combustible materials are removed. Fuel or oil reservoirs must be emptied, steam cleaned and filled with water before attempting to cut or weld them. DO NOT weld or flame cut on any tank containing oil, gasoline or their fumes or other flammable material, or any container whose contents or previous contents are unknown.

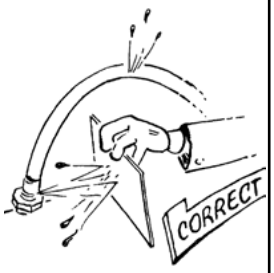
9. Keep a fully charged fire extinguisher readily available at all times. It should be a Type ABC or a Type BC unit.

10. Cleaning solvents should be used with care. Petroleum based solvents are flammable and present a fire hazard. Don't use gasoline. All solvents must be used with adequate ventilation, as their vapors should not be inhaled.

11. When batteries are being charged or discharged, they generate hydrogen and oxygen gases. This combination of gases is highly explosive. DO NOT SMOKE around batteries—STAY AWAY FROM FLAME—don't check batteries by shorting terminals as the spark could cause an explosion. Connect and disconnect battery charger leads only when charger is "off". Be very careful with "jumper" cables.

12. Batteries contain strong sulfuric acid—handle with care. If acid gets on you, flush it off with large amounts of water. If it gets in your eyes, flush it out with plenty of water immediately and get medical help.

13. Hydraulic fluid under high pressure leaking from a pin hole are dangerous as they can penetrate the skin as though injected with a hypodermic needle. Such liquids have a poisonous effect and can cause serious wounds. To avoid hazard, relieve pressure before disconnecting hydraulic lines or performing work on system. Any fluid injected into the skin must be treated within a few hours as gangrene may result. Get medical assistance immediately if such a wound occurs. To check for such leaks, use a piece of cardboard or wood instead of your hand. Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to system. Wear protective gloves and safety glasses or goggles when working with hydraulic systems.



14. The fine spray from a small hydraulic oil leak can be highly explosive—DO NOT SMOKE—STAY AWAY FROM FLAME OR SPARKS.

GENERAL SAFETY RULES
INSTALLATION

1. The selection of the vehicle on which a dump body is to be mounted has important safety aspects. To avoid overloading:
   a. Do not mount dump body on a chassis which, when fully loaded with material to be spread, will exceed either the Gross Axle Weight Rating (GAWR) or the Gross Vehicle Weight Rating (GVWR) for the chassis.
   b. Do install the dump body only on a vehicle with cab-to-axle dimension recommended for the dump body length shown.

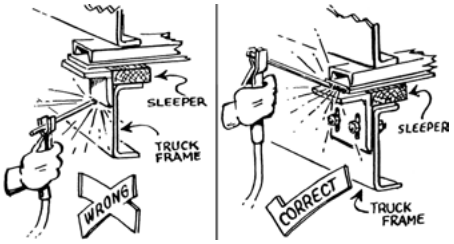
2. Follow mounting instructions in the *XT3 Installation Instructions* found at **www.highwayequipment.com.** If mounting conditions require deviation from these instructions refer to factory.

3. When making the installation, be sure that the lighting meets Federal Motor Vehicle Safety Standard (FMVSS) No. 108, ASABE S279 and all applicable local and state regulations.

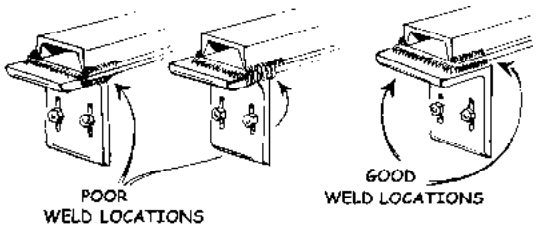
4. When selecting a PTO to drive hydraulic pump, do not use a higher percent speed drive than indicated in the Installation section of this manual. Too high a percent PTO will drive pump at excessive speed, which can ruin the pump, but more importantly, will overheat the hydraulic oil system and increase the possibility of fire.

5. When truck frame must be shortened, cut off only the portion that extends behind rear shackle in accordance with the truck manufacturer's recommendations. If a torch is used to make the cut, all necessary precautions should be taken to prevent fire. Cuts should not be made near fuel tanks and hydraulic oil reservoirs, fuel, brake, electric or hydraulic lines and such lines should be protected from flame, sparks or molten metal. Tires should be removed if there is any chance of their being struck by flame, sparks or molten metal. Have a fire extinguisher handy.

6. Do not weld on vehicle frame as such welding can lead to fatigue cracking and must be avoided. When drilling holes in frame member, drill only through the vertical web portions do not put holes in top or bottom flanges. Refer to truck manufacturer's recommendations.



7. Be sure that welds between mounting angles and dump body are sound, full fillet welds. Center mounting angles so that good filler welds can be made on three sides—an edge bead weld is not satisfactory weld for this service. Use dry, E6013 or E7018 rod for normal steels. On stainless steel bodies use SAE grade 5 bolts—welding is recommened only if type 308 welding rod is available.



8. Install controls so that they are located of convenient use. Position them so that they do not interfere with any vehicle control and that they do not interfere with driver or passenger or with access to or exit from the vehicle.

9. Check for vehicle visibility, especially toward the rear. Reposition or add mirrors so that adequate rearward visibility is maintained.

10. Add Caution, Warning, Danger and Instruction decals as required. Peel off any label masking which has not been removed.

11. Install all guards as required.

12. Check installation completely to be sure all fasteners are secure and that nothing has been left undone.

Refer to www.highwayequipment.com for installation instructions. Once on the website, click Customer Support, Other Hi-Way Manuals and Instructions, then XT3 Installation Instructions.

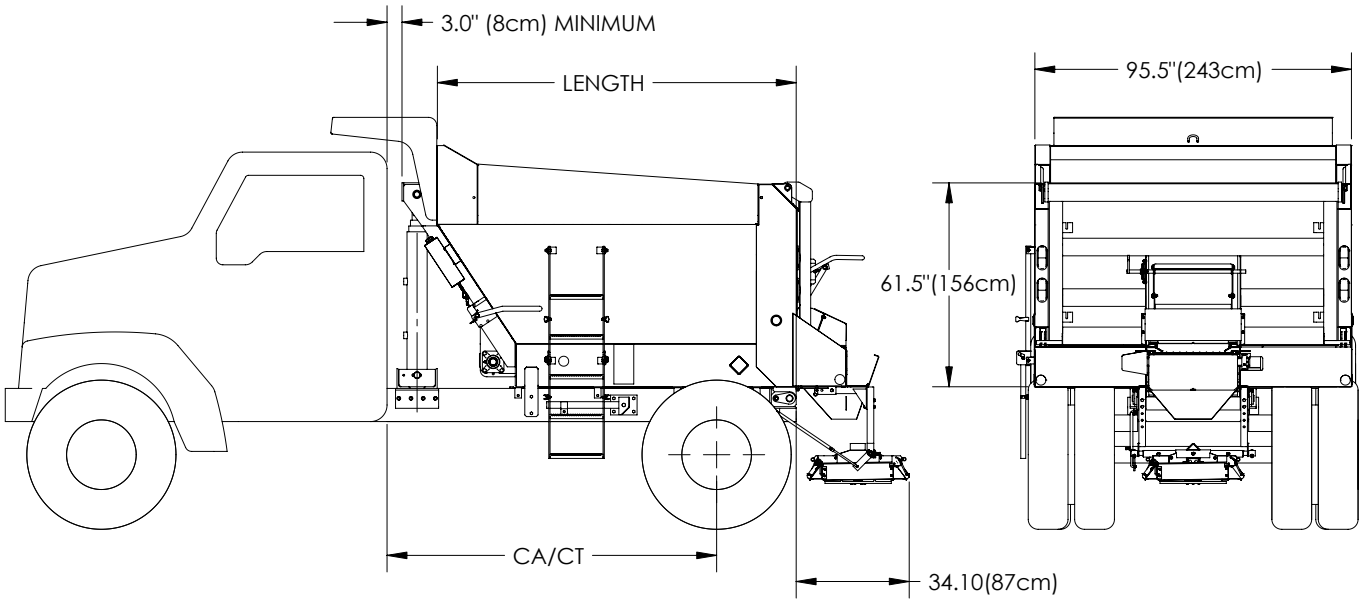
The XT3 is designed to haul, dump and spread. The flat dump body floor allows hauling of pallets and barrels. The front telescopic hoist provides a low center of gravity and eliminates the need for a sub-frame.

Heavy-duty 409 or 201 stainless steel inner and outer sills are fully welded to the XT3 floor to resist corrosion and improve strength. One-piece construction of the floor and sides with a radius design reduces material build-up.

The gear case is a 25:1 planetary. The idler shaft, sprockets and bearing can be removed as one assembly to simplify maintenance. Forged sprockets provide longer life.

Deicing materials can be broadcast from the optional rear spinner or from the front with the optional cross conveyor and spinner. The quick-detach rear or front spinners move up/down, right/left and fore/aft to adjust the spread pattern.

This product is intended for commercial use only.



BODY LENGTH feet		REQUIRED FRAME LENGTH inches (cm)	CA/CT* inches (cm)	LENGTH (inches)
I & II	III			
9/10	10	123.5 (310)	84 (213)	108 (119)
10/11	11	135.5 (340)	96 (244)	119 (302)
11/12	12	147.5 (371)	108 (274)	129 (328)
12/13	13	159.5 (401)	108 (274)	140 (355)
13/14	14	173.0 (436)	120 (305)	190 (483)
14/15	15	185.0 (466)	132 (335)	203 (516)
--	16	195.5 (497)	144 (366)	

***NOTICE!** The Cab to Axle/Tandem dimensions are only guidelines. Consult federal, state and local weight laws and chassis manufacturer's ratings to ensure neither government weight restrictions, nor GVWR and GAWRs are exceeded.

BODY LENGTH feet		WEIGHT (APPROX.) Pounds (kg)		
I & II	III	I	II	III
9/10	10	4025 (1826)	3998 (1814)	4323 (1961)
10/11	11	4215 (1912)	4188 (1900)	4513 (2047)
11/12	12	4405 (1998)	4378 (1986)	4703 (2133)
12/13	13	4595 (2084)	4568 (2072)	4893 (2219)
13/14	14	4785 (2170)	4758 (2158)	5083 (2306)
14/15	15	4975 (2257)	4948 (2244)	5273 (2392)
--	16	--	--	5463 (2478)

PART	WEIGHT (APPROX.) Pounds (Kilograms)
TAILGATE	425 – 500 (192.8-226.8)
CRADLE	300 (136.1)
HOIST CYLINDER	275 – 550 (124.7-249.5)
CROSS CONVEYOR	200 (90.7)
FRONT SPINNER	75 (34)
REAR SPINNER	125 (56.7)
CAB SHIELD	150 – 275 (68-124.7)
SIDEBOARDS	75 – 125 (34-56.7)
RESERVOIR	275 (124.7)

BODY LENGTH feet		STRUCK CAPACITY cu yd (cu m)			STRUCK CAPACITY W/SIDEBOARDS cu yd (cu m)		
I & II	III	I	II	III	I	II	III
9/10	10	6.4 (4.9)	6.7 (5.1)	7.6 (5.8)	9.7 (7.4)	10.0 (7.6)	11.2 (8.6)
10/11	11	7.2 (5.5)	7.5 (5.7)	8.4 (6.4)	10.8 (8.3)	11.1 (8.5)	12.4 (9.5)
11/12	12	8.0 (6.1)	8.4 (6.4)	9.2 (7.0)	12.0 (9.2)	12.4 (9.5)	13.6 (10.4)
12/13	13	8.8 (6.7)	9.2 (7.0)	10.0 (7.6)	13.2 (10.1)	13.6 (10.4)	14.8 (11.3)
13/14	14	9.7 (7.4)	10.0 (7.6)	10.9 (8.3)	14.5 (11.1)	14.8 (11.3)	16.0 (12.2)
14/15	15	10.5 (8.0)	10.8 (8.3)	11.7 (8.9)	15.6 (11.9)	15.9 (12.2)	17.2 (13.2)
--	16	--	--	12.5 (9.6)	--	--	18.4 (14.1)

INITIAL START-UP

Before taking the unit out to use, make a walk-around inspection to assure that the dump body is not damaged, that all essential parts are in place, and that all fasteners are tight and all guards are in place. Check all controls to be sure they are operating satisfactorily.

Before testing the unit, make sure the controls should be off. Do not load dump body.

1. Make sure that no loose parts or other material are in the body or on the spinner.
2. Raise feedgate until it is completely clear of conveyor.
3. Fill the hydraulic reservoir with oil. Refer to the Lubricant and Hydraulic Oil Specifications section for proper oil.
4. Start engine and engage PTO. Let engine run for a few minutes, allowing oil to circulate through the pump and back to the reservoir. In cold weather, allow more warm-up time.
5. Make sure pins are installed and jam nuts are tightened. Open spinner control and run unit until the spinner is running smoothly and air has been purged from the circuit. Close spinner control.

WARNING	Stand clear of moving machinery. Entanglement of clothes, any part of your body or anything in your hands can cause serious injury or even death.

6. Open conveyor control and let unit run until conveyor is running smoothly. Close conveyor control. Do the same for the cross conveyor, if applicable.
7. Open tailgate latch air control and make sure tailgate latch releases.
8. Make sure spinner hopper will not contact any truck frame component before lifting dump body. Open hoist control and slowly lift and lower dump body to check lift angle and range of motion. Make sure tailgate opens and closes correctly.
9. Check all connections in the hydraulic system to make sure there are no leaks.
10. Check hydraulic reservoir and refill.

WARNING	DO NOT check leaks with hands while system is operating as high pressure oil leaks can be dangerous! If skin is pierced with hydraulic fluid at high pressure seek immediate medical attention as fluid injected into the skin could cause gangrene if left untreated. Relieve pressure before disconnecting hydraulic lines or working system. Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system. Wear protective gloves and safety glasses or goggles when working with hydraulic systems.

WARNING	DO NOT check for leaks adjacent to moving parts while system is operating as there may be danger of entanglement!

CAUTION	Open tailgate before hoisting dump body with material in it. TRUCK COULD TIP, causing serious injury or death, if body is raised with material in it and the tailgate closed

CAUTION	Always disengage tailgate air with body completely down and make sure latches are closed before filling dump body.

WARNING	Tailgate latch springs must be in place during operation. Springs keep the latch closed if air pressure drops. If springs are not in place, tailgate could open inadvertently and drop load.

ADJUSTMENTS

Tailgate Latch

ITEM	DESCRIPTION
1	Spring
2	Clevis Pin
3	Hairpin
4	Yoke
5	Cap Screw
6	Nut
7	Eyebolt Nut
8	2nd Eyebolt Nut
9	Pivot Arm

CAUTION

Tag, lock or disconnect latch from air supply to prevent operation. Keep hands clear during adjustment, especially area between yoke joint and cap screw.

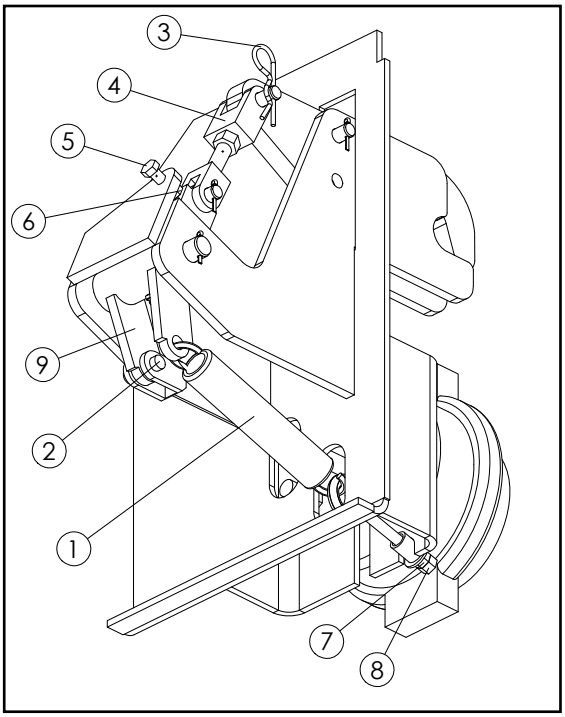


Figure 1 - Latch Adjustment

Test tailgate latch mechanism by opening latch with about 85 PSI. Release air pressure and latch should close and toggle over-center with spring pressure. Adjust according to the following (using Figure 1):

1. Close tailgate, lower body and disconnect air brakes from air supply before making any adjustments.
2. Detach spring (1) and remove clevis pin (2) from air brake yoke.
3. Push yoke joint off of over-center to open latch.
4. Remove hairpin (3) and disconnect yoke (4).
5. Turn upper yoke 1/2 turn to adjust latch force.
6. Connect yoke (4) and secure with hairpin (3).
7. Push mechanism over-center. Latch should be tight enough to close tailgate with a good seal, but not so tight that it can't be manually pushed over-center. Adjust as necessary.
8. Make sure mechanism is over-center and tighten cap screw (5) until latch opens.
9. Loosen screw (5) 1-1/2 turns and secure with nut (6).
10. Attach spring (1) and tighten eyebolt nut (7) until finger tight. Tighten two more turns and secure with additional nut (8).
11. Adjust air brake yoke and attach to pivot arm (9).
12. Connect latch to air supply. Test latch with air pressure to make sure it operates properly.

TAILGATE (FRONT DISCHARGE ONLY)

NOTICE!	Laying the tailgate flat is not recommended. Highway Equipment Company is not responsible for damage caused by such use.

Attach chains from tailgate lift hooks to dump body lift hooks to lay tailgate flat. Use suitable lifting device to lower tailgate. Do not let tailgate hang below horizontal. Tailgate latches must be locked closed with clevis pins to prevent tailgate from dropping.

FRONT SPINNER

Change spread pattern by adjusting spinner location. Loosen Hanger/Spinner hardware to move spinner right/left as necessary. Loosen Hanger/Tube Mount hardware and slide spinner up/down or rotate spinner forward/rearward as necessary. Make only one adjustment between spread pattern tests.

REAR SPINNER

Change spread pattern by adjusting spinner location. Loosen Hanger/Spinner hardware to move spinner right/left as necessary. Remove Frame hardware to move spinner up/down as necessary. Loosen Frame/Tube Mount hardware and slide spinner forward/rearward as necessary. Make only one adjustment between spread pattern tests.

FEEDGATE

Adjust opening by removing pin near feedgate handle. Turn handle to adjust opening as necessary and replace pin.

OPERATION

Make sure unit has been properly serviced and is in good operating condition.

CAUTION	Disengage tailgate air with dump body completely down and make sure latches are closed before filling body with material.

DANGER	Open tailgate before hoisting dump body with material in it. TRUCK COULD TIP if body is raised with the tailgate closed, causing serious injury or death if dump body is hoisted with a closed tailgate.

DANGER	Check for overhead power lines and other obstructions before raising body. Lower dump body before leaving job site.

NOTICE!	Do not operate conveyor when raising dump body. Do not operate conveyor with conveyor cover installed.

CAUTION	Make sure tailgate latch is open before lowering dump body. Close latch when tailgate is closed. If tailgate does not latch shut, tailgate will swing loose and material may be lost or injury could occur.

If dumping:
1. Fold down rear spinner cover, if applicable.
2. Open tailgate latch.
3. Engage pump drive PTO.
4. Raise dump body as necessary.

DANGER Raise dump body slowly—only enough for metering with coal chute feedgate. If material is raised in the dump body, the center of gravity will rise and move rearward, causing instability. TRUCK COULD TIP backwards, causing serious injury or death.

If metering with coal chute feedgate:
1. Fold down rear spinner cover, if applicable.
2. Open coal chute feedgate.
3. Engage pump drive PTO.
4. Slowly raise dump body.

If spreading:
1. Adjust conveyor to setting required for material used.
2. Adjust cross conveyor, if applicable, to setting required for material used.
3. Adjust spinner to setting required for material used to give spread width and pattern desired.
4. Set feedgate opening to obtain the yield desired.
5. Make sure hydraulic reservoir shut-off valve is fully opened.
6. Engage pump drive PTO.
7. Drive at speeds that will allow engine to turn at proper RPM.

CAUTION Drive only at speeds which permit good control of vehicle.

TAILGATE AIR KIT

Pull knob up to open tailgate; press knob down to close tailgate. Place knob in center position for no pressure.

PREVENTATIVE MAINTENANCE PAYS!

The handling and spreading of salt and sand is a highly severe operation with respect to metal corrosion. Establish a frequent, periodic preventative maintenance program to prevent rapid deterioration to equipment. Proper cleaning, lubrication and maintenance will yield longer life, more satisfactory service and more economical use of your equipment.

	**WARNING**	Shut off all power and allow all moving parts to come to rest before performing any maintenance operation.

HYDRAULIC SYSTEM

Proper oil in the hydraulic system is one of the most important factors for satisfactory operation. Utmost cleanliness in handling the oil cannot be stressed enough. Keep hydraulic oil in original closed containers, clean top of container before opening and pouring, and handle in extremely clean measures and funnels.

Refer to "Lubricant and Hydraulic Oil Specifications" for selection of the proper hydraulic fluid for use in the hydraulic system.

SERVICE SCHEDULE

	**WARNING**	DO NOT check leaks with hands while system is operating as high pressure oil leaks can be dangerous! If skin is pierced with hydraulic fluid at high pressure seek immediate medical attention as fluid injected into the skin could cause gangrene if left untreated. Relieve pressure before disconnecting hydraulic lines or working system. Make sure all hydraulic fluid connections are tight and all hydraulic hoses and lines are in good condition before applying pressure to the system. Wear protective gloves and safety glasses or goggles when working with hydraulic systems.

	**WARNING**	DO NOT check for leaks adjacent to moving parts while system is operating as there may be danger of entanglement!

Check hydraulic oil daily by means of sight gauge on reservoir. Add oil as necessary to maintain level around mid-point of sight gauge. Periodically inspect hoses and fittings for leaks.

NOTICE!	Change hydraulic oil filter after first week (or not more than 50 hours) of operation on a unit.

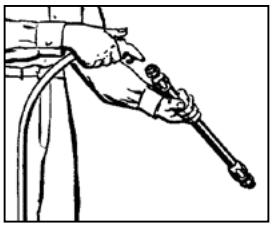
After first filter change, replace filter when indicator reaches Red Zone.

Drain reservoir through drain plug (not through suction outlet), flush, and refill and change filter element annually. Oil and filter should also be changed whenever oil shows any signs of breaking down under continued high-pressure operation. Discoloration of oil is one sign of breakdown.

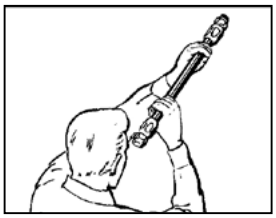
HYDRAULIC HOSE

Hose assemblies in operation should be inspected frequently for leakage, kinking, abrasion, corrosion or other signs of wear or damage. Worn or damaged hose assemblies should be replaced immediately.

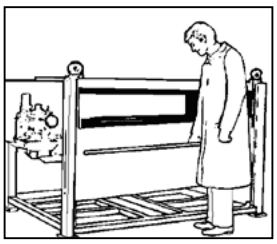
WARNING Testing should be conducted in approved test stands with adequate guards to protect the operator.



Clean
Clean assembly by blowing out with clean compressed air. Assemblies may be rinsed out with mineral spirits if the tube stock is compatible with oil, otherwise hot water at 150°F (65.55° C) maximum may be used.



Inspect
Examine hose assembly internally for cut or bulged tube, obstructions, and cleanliness. For segment style fittings, be sure that the hose butts up against the nipple shoulder; band and retaining ring are properly set and tight, and segments are properly spaced. Check for proper gap between nut and socket or hex and socket. Nuts should swivel freely. Check the layline of the hose to be sure the assembly is not twisted. Cap the ends of the hose with plastic covers to keep clean.



Test
The hose assembly should be hydrostatically tested at twice the recommended working pressure of the hose.
Test pressure should be held for not more than one minute and not less than 30 seconds. When test pressure is reached, visually inspect hose assembly for: 1. Any leaks or signs of weakness. 2. Any movement of the hose fitting in relation to the hose. Any of these defects are cause for rejection.

Storage and Handling

Hose should be stored in a dark, dry atmosphere away from electrical equipment, and the temperature should not exceed 90° F (32.22° C).

PLANETARY GEARCASE

The main conveyor planetary gear case is to be filled (24 ounces) with 85-90 weight extreme pressure oil. Gear oil to conform to multi-purpose gear lubricating oil requirements.

CONVEYOR CHAIN

WARNING	Stay out of the hopper body. If it's necessary to enter the hopper, return to the shop, empty body, turn off all power, set vehicle brakes, lock engine starting switch and remove keys before entering. Tag all controls to prohibit operation. Tags should be placed, and later removed, only by person working in the body.

Hose down unit and remove any material build-up on sprockets and under chain.

NOTICE!	The conveyor will move away from the bottom panel if material accumulates under the conveyor or on the sprockets. The more material that accumulates, the closer the chain will come to the chain shields. If the conveyor should catch a chain shield, it could permanently damage the conveyor, the chain shields or the unit. Do not remove material while conveyor or spinner is running!

Lubrication

Lubricate the conveyor chain at least once a week. Use a mixture of 75% diesel fuel and 25% SAE 10 oil in a pressurized hand spray gun.

DANGER	When conveyor is running, stay out of body. Stay clear of all moving parts. Entanglement of clothes, any part of your body or anything in your hands can cause serious injury. Do not use a bar, rod or hammer on conveyor while it is moving—if it gets caught it could cause injury. With spinner shut down and conveyor running slowly, spray oil mixture between links of chain by spraying through openings at the rear end of sill or from front outside body when access clearance is adequate. Do this at least once a week and after each time the unit is washed. Allow to dry before lubricating.

If a chain oiler is used, fill the oiler reservoir daily with a mixture of 75% diesel fuel and 25% SAE 10 oil. Before each filling of the dump body with material to be spread, open petcock and run the conveyor until the full length of chain has been oiled, then shut petcock.

Conveyor chains that are too tight will tend to stretch. This will cause excess sprocket wear and eventually cause breakage. Excess slack presents the possibility of the chain catching on sub-frame parts. Bent or distorted chain bars will cause damage to the body as well. Straighten or replace bent or distorted chain bars immediately.

NOTICE! Do not over-tighten conveyor chains. Proper chain tension is a factor in chain and sprocket life.

NOTICE! Tensioning conveyor with gear case mounting screws tight will cause pressure on gear case output shaft. Failure to loosen screws could result in damage to gear case, bearings or other parts.

MAIN CONVEYOR

Loosen cap screws located under gear case mounting weldment to avoid pressure on gear case shaft as shown in Figure 2 prior to adjusting chain tension for main conveyor.

The adjustment bolts are under the fenders at the rear of the unit. The proper chain tension for the main conveyor is 36” to 40” from the rear of the sill, as illustrated in Figure 3. Be sure the chain is tensioned equally on both sides.

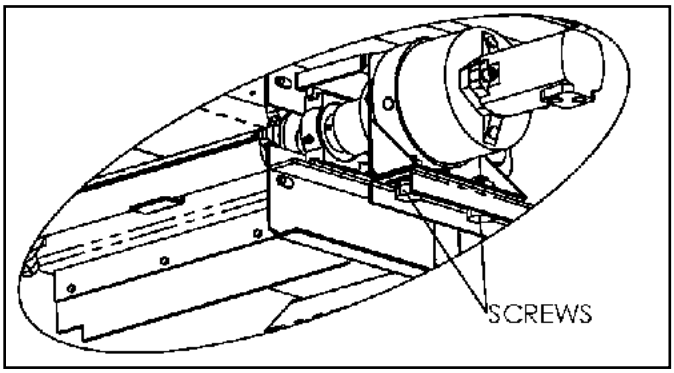


Figure 2 - Gear Case Mounting Bolts

Chain Tension to be Measured from Rear of Sill.

Proper Tension:

36” - 40”
(91cm - 102cm)

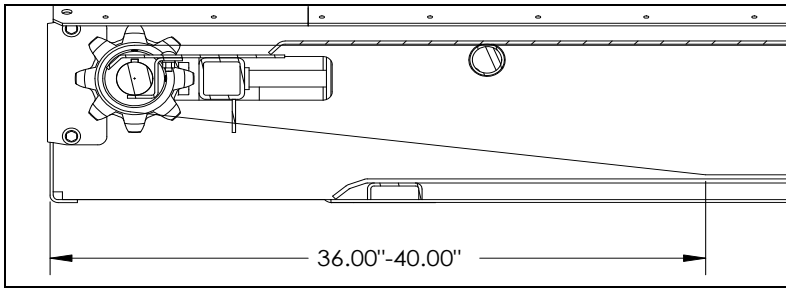


Figure 3 - Main Conveyor Chain Tension

CROSS CONVEYOR

The cross conveyor will flex between one and one and a half inches (1.00” to 1.5”) when properly tensioned as shown in Figure 4.

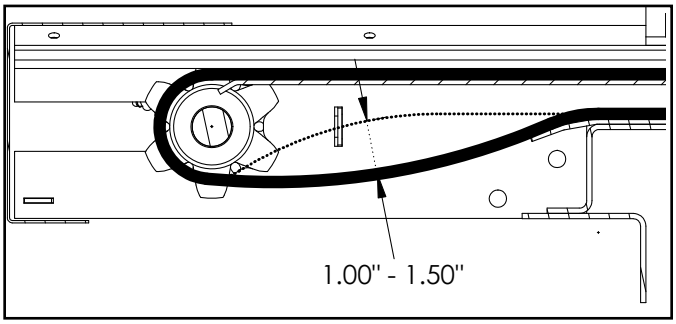


Figure 4 - Cross Conveyor Chain Tension

TAILGATE & TAILGATE LATCH

Pump multi-purpose grease into zerks. Oil all pivots and yoke threads monthly with heavy oil.

BEARINGS

Grease in a bearing acts to prevent excessive wear of parts, protects ball races and balls from corrosion and aids in preventing excessive heat within the bearing. It is very important the grease maintains its proper consistency during operation. It must not be fluid and it must not channel.

Make sure that all fittings are thoroughly cleaned before grease is injected. Points to be lubricated by means of a grease gun have standard grease fittings.

Bearings should be lubricated by pumping grease in slowly until a slight bead forms around the seals. This bead indicates adequate lubrication and also provides additional protection against the entrance of dirt.

BUSHINGS

Do not grease hinge or hoist cylinder self-lubricating bushings. Check bushings monthly to make sure they are secure and not worn. Make sure hoist cylinder bolts are tightened to recommended torque.

HOIST CYLINDER

Cylinder should be lubricated by pumping grease into the zerk slowly until slight bead forms around the seals. This bead indicates adequate lubrication and also provides additional protection against the entrance of dirt.

Be sure that all fittings are thoroughly cleaned before grease is injected. Points to be lubricated by means of a grease gun have standard grease fittings.

FASTENERS

Tighten all screw fasteners to recommended torques after first week of operation and annually thereafter. If loose fasteners are found at anytime, tighten to recommended torques. Replace any lost or damaged fasteners or other parts immediately upon finding such damage or loss.

CLEAN-UP

Maintain a minimum maintenance operation by washing this equipment thoroughly every two or three days during the operating season. Hose the unit down under pressure to free all sticky and frozen material.

It is important that the machine be thoroughly cleaned at the end of each operating season. All lubrication and maintenance instructions listed in this section should be closely followed. For longer body life, repaint worn spots to prevent the formation of rust.

NOTICE!	The lubricant distributor and/or supplier is to be held responsible for the results obtained from their products. Procure lubricants from distributors and/or suppliers with unquestionable integrity, supplying known and tested products. Do not jeopardize your equipment with inferior lubricants. No specific brands of oil are recommended. Use only products qualified under the following oil viscosity specifications and classifications and recommended by reputable oil companies.

HYDRAULIC SYSTEM

The following are the recommended procedures for selecting the proper hydraulic fluid for use in the hydraulic system. Select a major brand industrial PREMIUM QUALITY (anti-wear type) hydraulic oil to provide viscosity between 100-200 SSU at operating temperature. Premium hydraulic oils with viscosity indexes of 95 or above will provide the following temperature ranges :

INDUSTRY IDENTIFICATION/ SAE VISCOSITY GRADE	OPERATING TEMPERATURE	VISCOSITY
150 SSU	122° F (50° C)/84° F (28.9° C)	100 SSU/200 SSU
225 SSU	140° F (60° C)/107° F (41.7° C)	100 SSU/200 SSU
300 SSU	150° F (66.6° C)/116° F (46.1° C)	100 SSU/200 SSU
450 SSU	165° F (73.9° C)/130° F (54.5° C)	100 SSU/200 SSU
600 SSU	182° F (83.3° C)/145° F (62.8° C)	100 SSU/200 SSU

If, because of necessity or convenience, it is desirable to use an automotive engine oil, multi-viscosity oils of SC rating (formerly MS quality) which will provide between 100-200 SSU at operating temperature can be used. These will provide proper viscosity over a wide range. For example:

SAE VISCOSITY GRADE	OPERATING TEMPERATURE	VISCOSITY
10W-30	130° F (54.5° C)	100 SSU
	100° F (37.8° C)	200 SSU
10W-40	190° F (87.8° C)	100 SSU
	140° F (60° C)	200 SSU

GREASE GUN LUBRICANT

Use a ball and roller bearing lithium base lubricant with a minimum melting point of 300° F (148.9° C). This lubricant should have a viscosity that assures easy handling in the pressure gun at prevailing atmospheric temperatures. The lubricant must be waterproof. The grease should conform to NLGI No. 2 consistency.

LUBRICATION & MAINTENANCE CHART

WARNING Shut off all power and allow all moving parts to come to rest before performing any maintenance operation.

The spreader should be regularly lubricated with the lubricants recommended in this manual in accordance with the following chart:

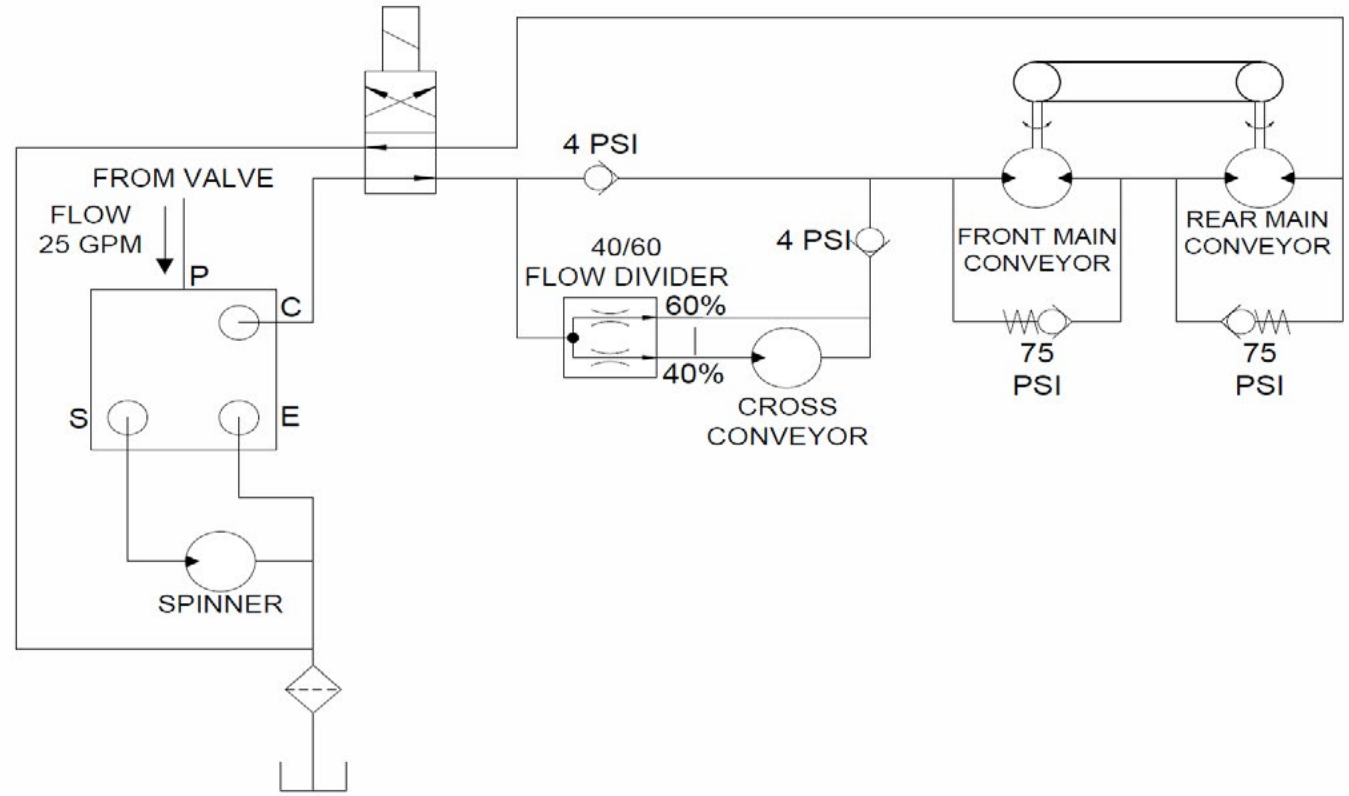
LOCATION		PLACES	METHOD	FREQUENCY
Pump Drive				
Transmission PTO	Slip Joint	1	Grease Gun	Weekly
	U-Joint	2	Grease Gun	Monthly
Crankshaft PTO	Sliding Spline	1	Grease Gun	Weekly
	U-Joint	2	Grease Gun	Monthly
Hydraulics				
Reservoir		1	Oil	Check Daily; Change Annually
Filter		1	Check Daily; Change Element when Indicated (Red)	
Tailgate				
Hinge Pins		2	Oil	Monthly
Latch Pivots		2	Grease Gun	Monthly
Latch Yoke Threads		2	Oil	Monthly
Hoist Cylinder				
Zerks		2	Grease Gun	Weekly
Hinge Point Fittings		2	Grease Gun	Daily
Hoist Mount Fittings		9	Grease Gun	Every 50 Hours of Operation
Conveyor				
Rear Bearings - Lube Bank (Types I & III)		2	Grease Gun	Weekly

NOTE: Unusual conditions, such as excessive dust, temperature extremes or excessive moisture may require more frequent lubrication of specific parts.

* See *Lubricant and Hydraulic Oil Specifications* for types of lubricants and oil to be used.

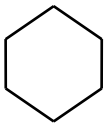
Symptom:	See Reasons:
Hoist will not raise body.	1, 2, 3
Conveyor won't run.	5, 6
Conveyor runs in jerks.	14
Cross conveyor won't run.	5, 6, 7, 11
Spinner won't run.	4, 11
Spinner speed is not constant.	3, 8, 9
Hydraulic oil overheats	1, 10, 11, 12, 13

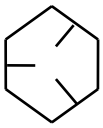
REASON	CORRECTION
1. Hydraulic oil level low.	Add hydraulic oil to reservoir to maintain level around mid-point of sight gauge.
2. Hydraulic Pump is not rotating.	1. PTO is disengaged. Shift into engagement. 2. Drive line has failed. Repair or replace. 3. Key in pump shaft has failed. Replace key. 4. U-joint pin or key has failed. Replace pin or key.
3. Worn pump.	Replace pump.
4. Jammed or frozen spinner motors.	Free up. If not possible, replace as required.
5. Jammed or frozen conveyor.	Free up conveyor.
6. Jammed or frozen conveyor hydraulic motor.	Replace motor.
7. Hydraulic motor shaft key sheared.	Replace key.
8. Pump speed is not adequate to provide sufficient flow to maintain spinner speed.	Increase engine speed.
9. Insufficient hydraulic oil flow at normal driving speeds.	Install higher percent PTO or use larger pump.
10. Excessive oil is being pumped.	1. PTO percentage too high. Change PTO to smaller percentage or use smaller pump. 2. Pump is too large. Do not exceed 25 GPM pumping rate. Change to smaller pump or use smaller percentage PTO. 3. Pressure drop in control valve is sufficient to run lightly loaded conveyor motor. Shut off pump drive by disengaging PTO shaft.
11. Worn motor (spinner or conveyor).	Motor heats up at an excessive rate (check for this heating when system is cold). Replace motor.
12. Improper or deteriorated hydraulic oil.	Replace hydraulic oil with proper specification oil and replace filter.
13. Pinched or obstructed hose, hydraulic line or fitting.	Clear obstruction or replace part. Straighten kinked hoses.
14. Driving too fast for application rate.	Shift truck transmission to a lower gear. Will not normally occur if within maximum application rates.

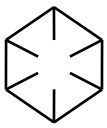

FROM VALVE
FLOW
25 GPM
P
C
S
E
SPINNER
4 PSI
40/60
FLOW DIVIDER
60%
40%
4 PSI
CROSS
CONVEYOR
FRONT MAIN
CONVEYOR
75
PSI
REAR MAIN
CONVEYOR
75
PSI

STANDARD TORQUES
NATIONAL COARSE (NC) CAP SCREWS

CAP SCREW GRADE IDENTIFICATION - MARKINGS ON HEAD

SAE GRADE 2  NO MARKINGS

SAE GRADE 5  THREE MARKS - 120 DEGREES APART

SAE GRADE 8  SIX MARKS - 60 DEGREES APART

USE GRADE 2 TORQUES FOR STAINLESS STEEL FASTENERS AND CARRIAGE BOLTS.

	TORQUE - FOOT-POUNDS					
CAP SCREW SIZE	GRADE 2		GRADE 5		GRADE 8	
	DRY	LUBE	DRY	LUBE	DRY	LUBE
1/4”	5	4	8	6	12	9
5/16”	11	8	17	13	25	18
3/8”	20	15	30	23	45	35
7/16”	30	24	50	35	70	55
1/2”	50	35	75	55	110	80
9/16”	65	50	110	80	150	110
5/8”	90	70	150	110	220	170
3/4”	100	120	260	200	380	280
7/8”	140	110	400	300	600	460
1”	220	160	580	440	900	650

Hi-Way NEW LEADER
Highway Equipment Company

Order from the **AUTHORIZED DEALER** in your area.

1. Always give the pertinent model and serial number.

2. Give part name, part number and the quantity required.

3. Give the correct address to where the parts are to be shipped, and the carrier if there is a preference.

Unless claims for shortages or errors are made immediately upon receipt of goods they will not be considered. Any part returns should be directed through the dealer from which they were purchased.

When broken goods are received, a full description of the damage should be made by the carrier agent on the freight bill. If this description is insisted upon, full damage can always be collected from the transportation company.

No responsibility is assumed for delay or damage to merchandise while in transit. Our responsibility ceases upon delivery of shipment to the transportation company from whom a receipt is received showing that shipment was in good condition when delivered to them, therefore, claims (if any) should be filed with the transportation company and not with Highway Equipment Company.

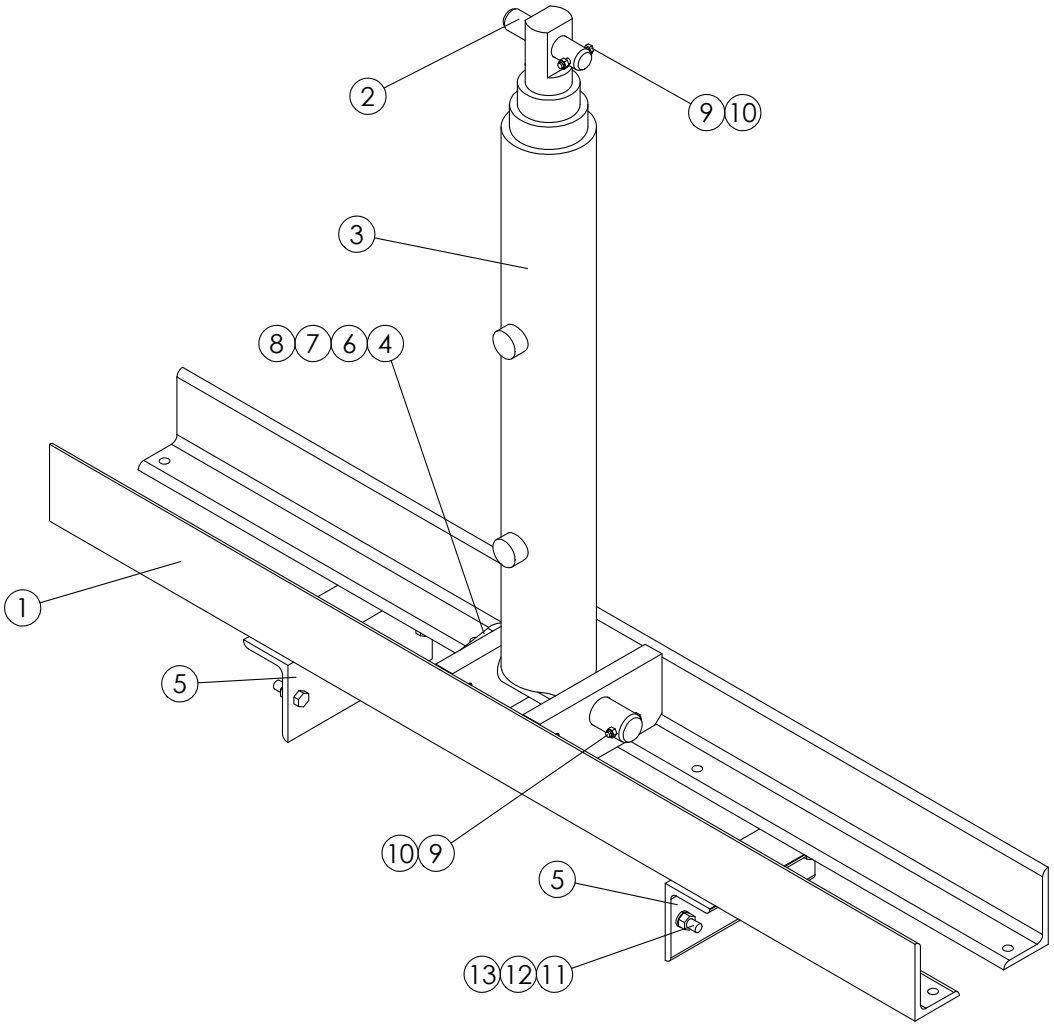
If your claims are not being handled (by the transportation company) to your satisfaction, please call the Parts Manager at Highway Equipment Company (319-363-8281) for assistance.

In the parts list the following symbols and abbreviations stand for:

* - Not Shown
AR – As Required
CS – Carbon Steel
SS – Stainless Steel

The parts listed under the different steel types (CS, 409 SS and 304 SS) are for that type of unit and do not necessarily mean the part is made of that type of steel.

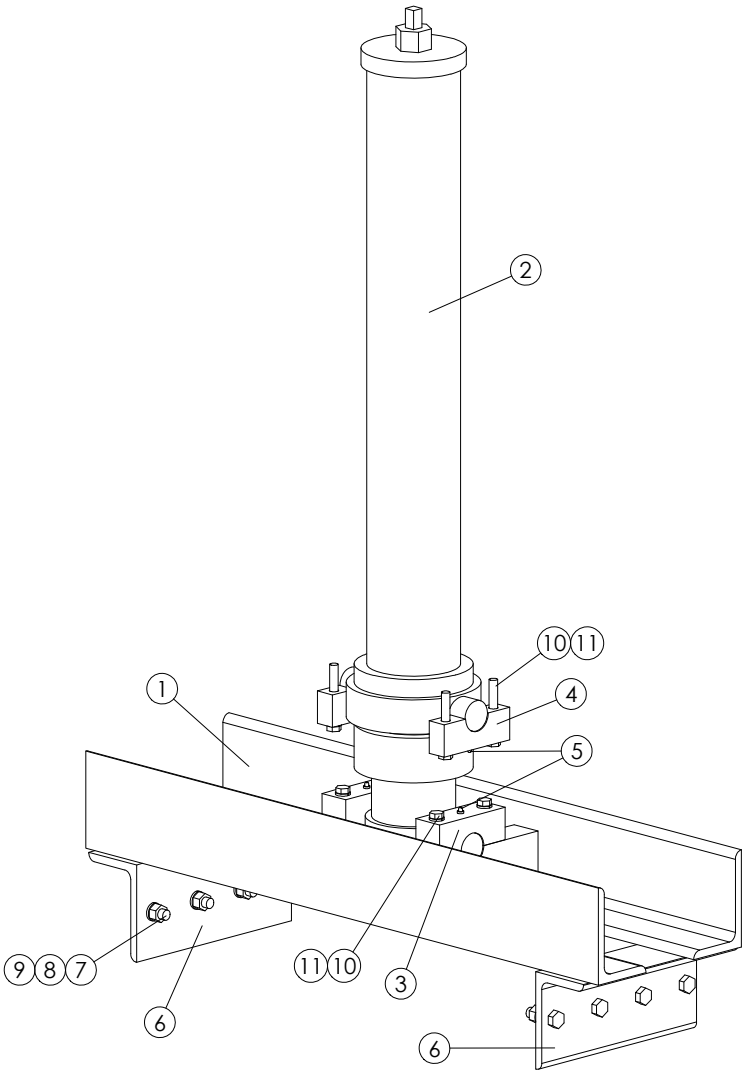
CRADLE - I & II



CRADLE - I & II CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
1	* 88733	Cradle – Wldmt Short, Small Cylinder	1
	* 98923	Cradle – Wldmt Short, Large Cylinder	1
	88832	Cradle – Wldmt Long, Small Cylinder	1
	98924	Cradle – Wldmt Long, Large Cylinder	1
2	88686	Pin – Cylinder Upper	1
3	88668-AB	Cylinder – Hydraulic Hoist 87”	1
	98413-AA	Cylinder - Hydraulic Hoist C-Style Double 86 5/8”	1
	88668-AC	Cylinder – Hydraulic Hoist 104”	1
	98413-AB	Cylinder - Hydraulic Hoist C-Style Double 103 5/8”	1
	88668-AD	Cylinder – Hydraulic Hoist 114”	1
	88668-AE	Cylinder – Hydraulic Hoist 124”	1
	88668-AF	Cylinder – Hydraulic Hoist 135”	1
	88668-AG	Cylinder – Hydraulic Hoist 154”	1
	88668-AK	Cylinder - Hydraulic Hoist 79”	1
4	88830	Pin – Wldmt Cylinder	1
5	88828	Angle	2
6	20129	Cap Screw – 1/2 X 1-1/2	1
7	20695	Washer – Flat 1/2	1
8	20714	Washer – Lock 1/2	1
9	20073	Cap Screw – 3/8 x 2-1/2	2
10	20678	Nut – Lock 3/8	2
11	89526	Cap Screw – 5/8 x 2 GR 8	8
12	20716	Washer – Lock 5/8	8
13	89591	Nut – Hex 5/8 GR 8	8

* - Not Shown


2
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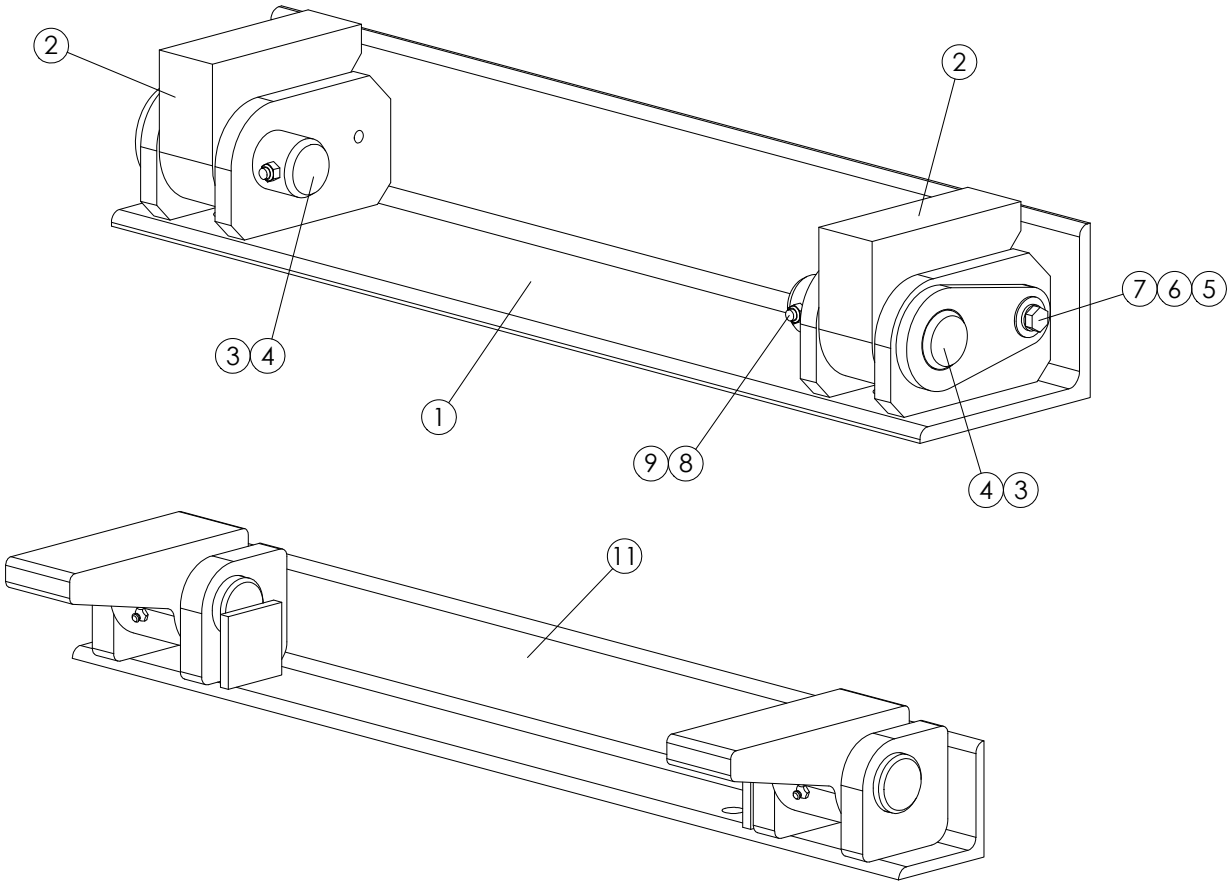
6

CRADLE III CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
1	300370-AA	Cradle – Wldmt III 10’	1
	300370-AB	Cradle – Wldmt III 11’–12’	1
	300370-AC	Cradle – Wldmt III 13’–15’	1
2	300334-AA	Cylinder – Hydraulic Hoist 10’	1
	300334-AB	Cylinder – Hydraulic Hoist 11’	1
	300334-AC	Cylinder – Hydraulic Hoist 12’	1
	300334-AD	Cylinder – Hydraulic Hoist 13’	1
	300334-AE	Cylinder – Hydraulic Hoist 14’	1
	300334-AF	Cylinder – Hydraulic Hoist 15’	1
	300359-AA	Cylinder - Hydraulic Hoist Double 10’	1
	300359-AB	Cylinder - Hydraulic Hoist Double 11’’	1
	300359-AC	Cylinder - Hydraulic Hoist Double 12’	1
	300359-AD	Cylinder - Hydraulic Hoist Double 13’	1
	300359-AE	Cylinder - Hydraulic Hoist Double 14’	1
	300359-AF	Cylinder - Hydraluic Hoist Double 15’	1
3	300649-AC	Block – Cap Lower 10’–12’	2
	300649-AD	Block – Cap Lower 13’–15’	2
4	300649-AA	Block – Cap Upper 10’–12’	2
	300649-AB	Block – Cap Upper 13’–15’	2
5	34874	Zerk – Drive	4
6	88828	Angle – Mount 6 x 4	2
7	89526	Cap Screw – 5/8 x 2 GR 8	8
8	20716	Washer – Lock 5/8	AR
9	89591	Nut – Hex 5/8	8
10	300644	Cap Screw - 5/8 x 3-1/2 10’-12’	8
	300645	Cap Screw - 3/4 x 3-1/2 13’-15’	8
11	20717	Washer – Lock 3/4	AR

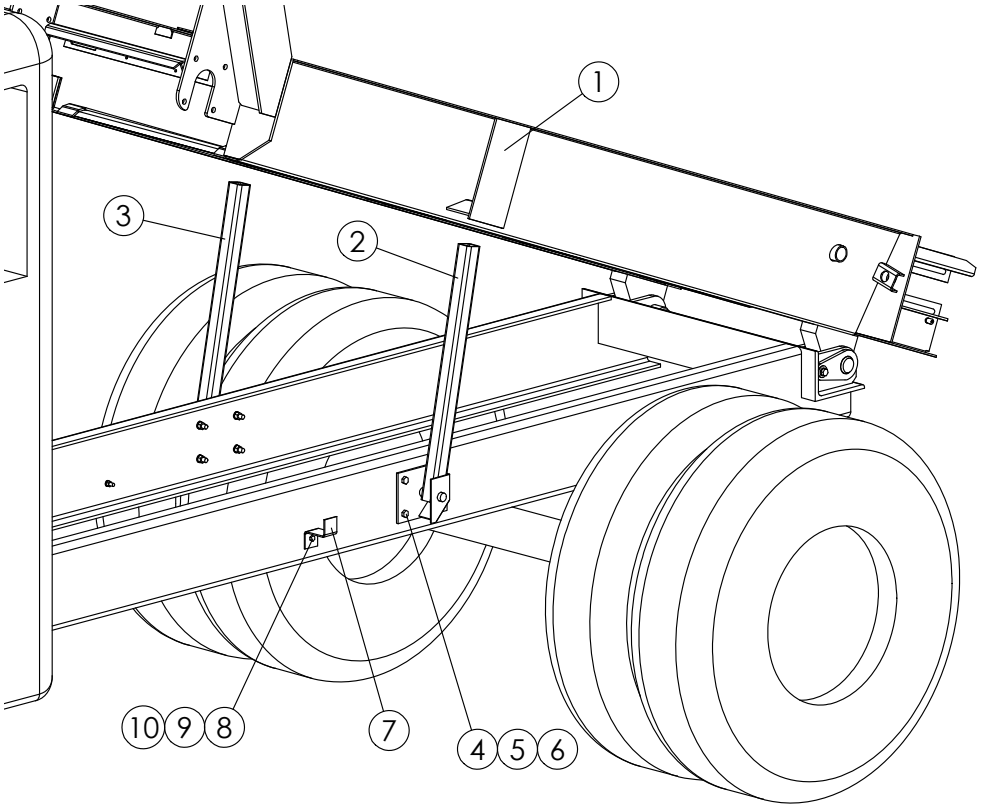
HINGE



ITEM	PART NO.	DESCRIPTION	QTY
	88613	Hinge – Assy 2” Greaseless, Includes 1–9	
	300398	Hinge – Assy 2” Relubeable 6 x 8, Includes 1,2,4–10	
1	88608	Hinge – Wldmt Angle	1
2	88609	Block – Hinge, Greaseless	2
	300399	Block – Hinge, Greaseable	2
3	88605	Bearing – Sleeve, Greaseless Hinge	2
4	88612	Pin – Wldmt Hinge	2
5	20695	Cap Screw – 1/2 x 1-1/2	2
6	20714	Washer – Flat 1/2	2
7	20129	Washer – Lock 1/2	2
8	20073	Cap Screw – 3/8 x 2-1/2	2
9	20678	Nut – Lock 3/8	2
10	* 6072	Zerk – Grease, Greaseable Hinge	2
11	302315	Hinge – Assy 2” Greaseable 4 x 4	1

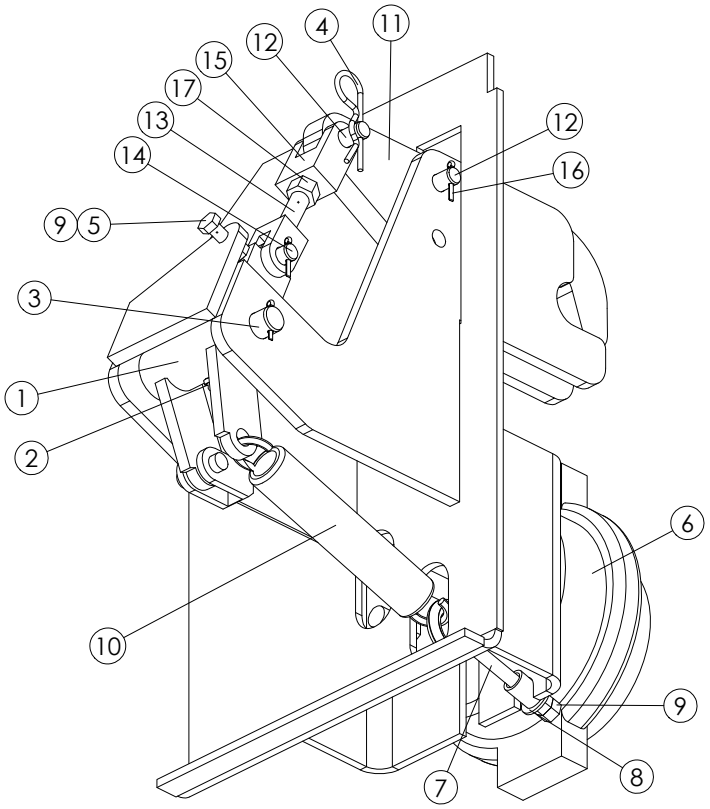
* - Not Shown

BODY PROPS



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	88917	97593	Prop – Wldmt Body Upper	2
2	88923-AA	88923-AA	Prop – Wldmt Body Lower LH	1
3	88923-AB	88923-AB	Prop – Wldmt Body Lower RH	1
4	89522	89522	Cap Screw – 1/2 x 1-3/4 GR 8	8
5	20714	20714	Washer – Lock 1/2	8
6	89643	89643	Nut – Hex 1/2	8
7	89970	89970	Plate – Rest Body Prop	2
8	20069	20069	Cap Screw – 3/8 x 1-1/2	2
9	20712	20712	Washer – Lock 3/8	2
10	20644	20644	Nut – Hex 3/8	2

TAILGATE LATCH - I & III

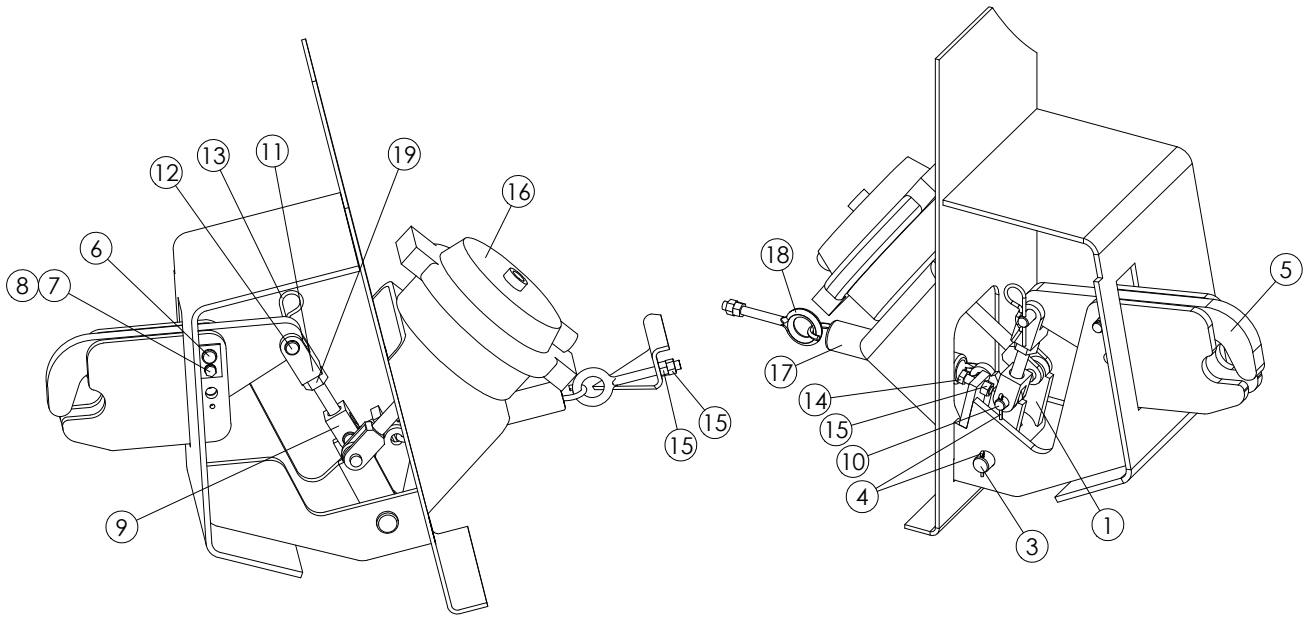


TAILGATE LATCH - I & III CONTINUED

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	88767-AA	88767-AA	Pivot – Wldmt LH	1
	* 88767-AB	88767-AB	Pivot – Wldmt RH	1
2	34874	34874	Zerk – Grease	1
3	88724	97485	Pin – Clevis 3/4 x 5	1
4	40576	36429	Pin – Hair	1
5	20068	36399	Cap Screw – 3/8 x 1-1/4	1
6	307024	307024	Modification – Air Tailgate	1
7	88773	88773	Eyebolt – Tension	1
8	20693	36425	Washer – Flat 3/8	1
9	20644	36414	Nut – Hex 3/8	3
10	88604	88604	Spring – Extension	1
11	88772	88772	Plate – Hook	1
12	21024	96247	Pin – Clevis 1/2 x 2-1/4	2
13	88770	88770	Yoke – Wldmt	1
14	21027	99671	Pin – Clevis 1/2 x 1-1/2	1
15	88771	88771	Yoke – Driven	1
16	20817	36427	Pin – Cotter 1/8 x 1	3
17	20646	36417	Nut – Hex 5/8	1

* - Not Shown

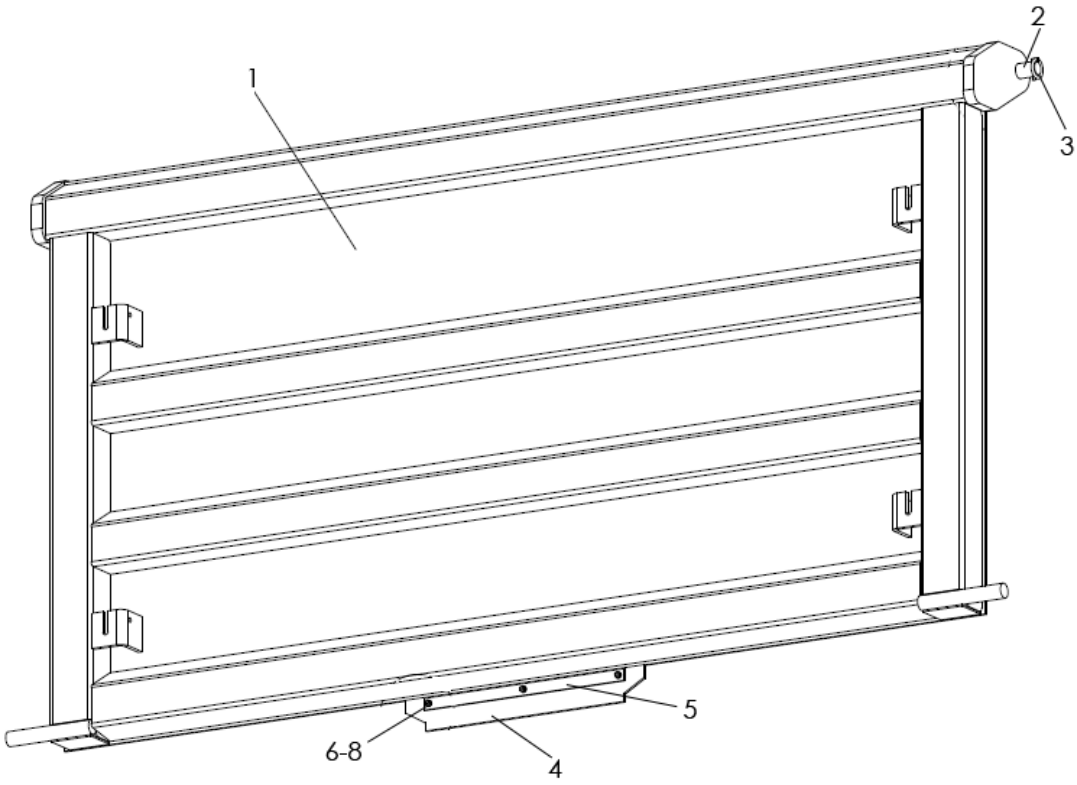
TAILGATE LATCH - II



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	98249-AA	98249-AA	Pivot – Wldmt Latch LH	1
	98249-AB	98249-AB	Pivot – Wldmt Latch RH	1
2	* 34874	*34874	Zerk – Grease	1
3	88724	97485	Pin – Clevis 3/4 x 5	1
4	20817	36427	Pin – Cotter 1/8 x 1	2
5	88772	88772	Plate – Hook Latch	1
6	98399	303617	Retainer - Wldmt Latch Clevis	1
7	20001	20001	Cap Screw – 1/4 x 1/2	1
8	20710	20710	Washer – Lock 1/4	1
9	88770	88770	Yoke – Wldmt	1
10	21027	99671	Pin – Clevis 1/2 x 1-1/2	1
11	88771	88771	Yoke – Driven Latch	1
12	21024	96247	Pin – Clevis 1/2 x 2-1/4	1
13	40576	36429	Pin - Hair 2-9/16 X .148	1
14	20068	36399	Cap Screw – 3/8 x 1-1/4	1
15	20644	36414	Nut – Hex 3/8	3
16	98248	98248	Brake – Air Tailgate Latch	1
17	88604	88604	Spring – Extension	1
18	88773	88773	Eyebolt – Tension	1
19	20648	36417	Nut – Hex 5/8	1

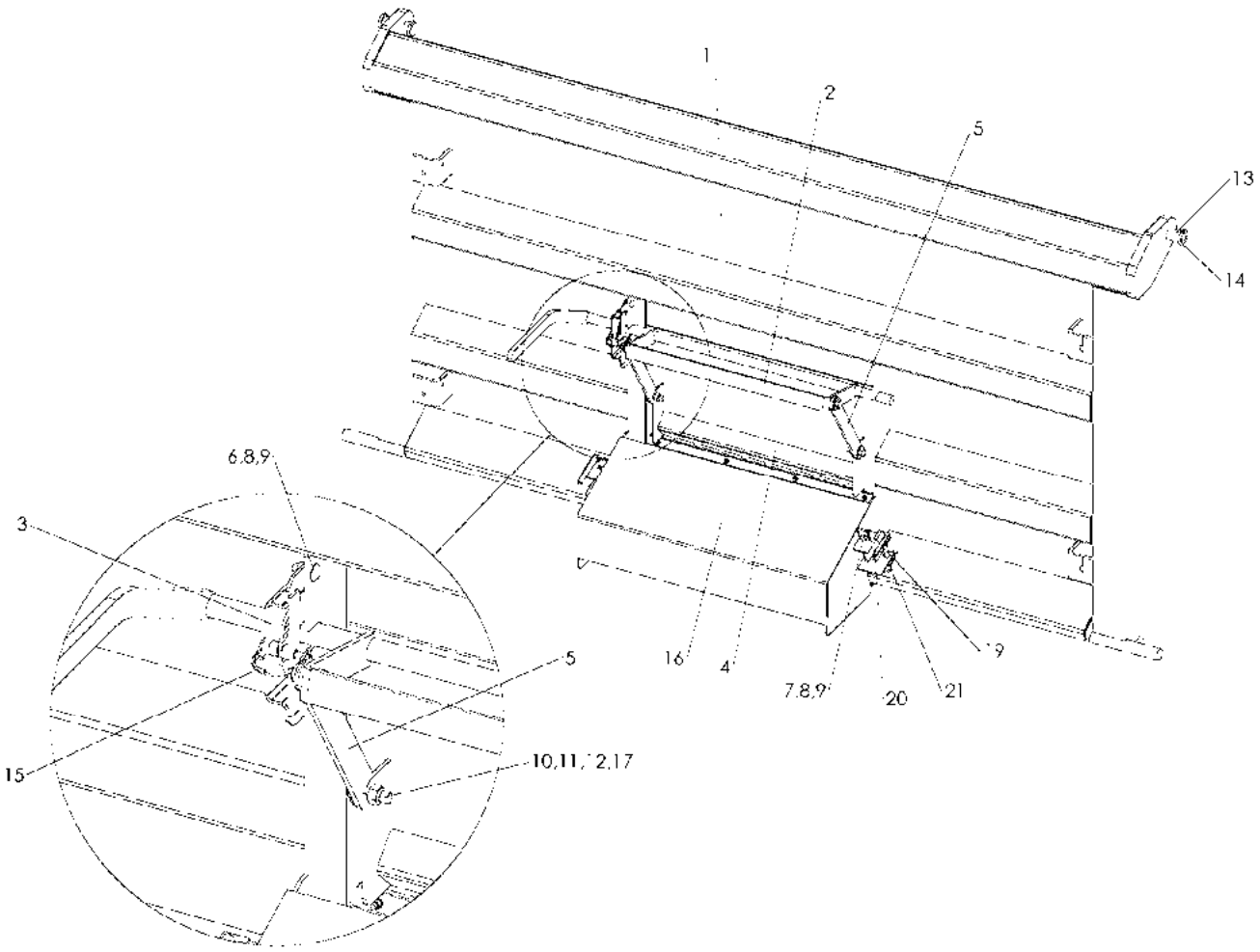
* - Not Shown

TAILGATE FRONT - I & II



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	98442	303622	Tailgate – Wldmt Front I	1
	303986	303988	Tailgate - Wldmt Front II	1
2	88780	88780	Pin – Clevis 1-1/4 x 4	2
3	88824	88824	Pin – Lynch 1/4 x 1-1/4	2
4	304083	304083	Belt - Sealer (Type I only)	1
5	88723	88723	Retainer - Sealer Front (Type I only)	1
6	20005	36395	Cap Screw - 1/4-20 x 1 (Type I only)	3
7	20710	36418	Washer - Lock 1/4 (Type I only)	3
8	20642	36412	Nut - Hex 1/2-20 (Type I only)	3
9	* 89942	89942	Chain – 3/8 x 48 (Type I only)	2

* - Not Shown


1
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7,8,9
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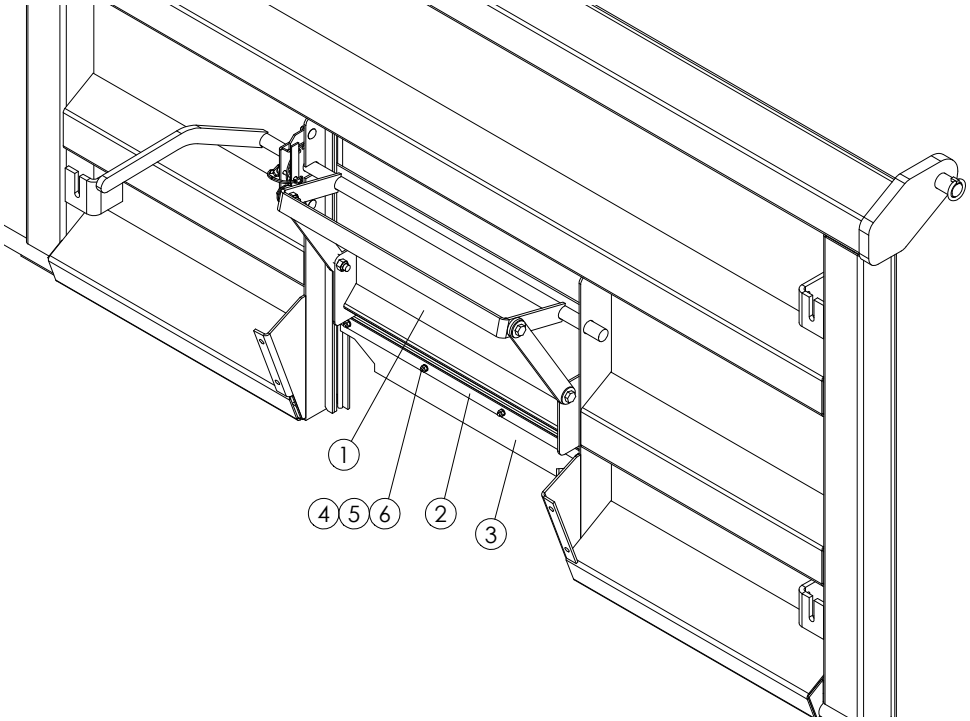
10,11, 12,17

TAILGATE REAR I & III CONTINUED

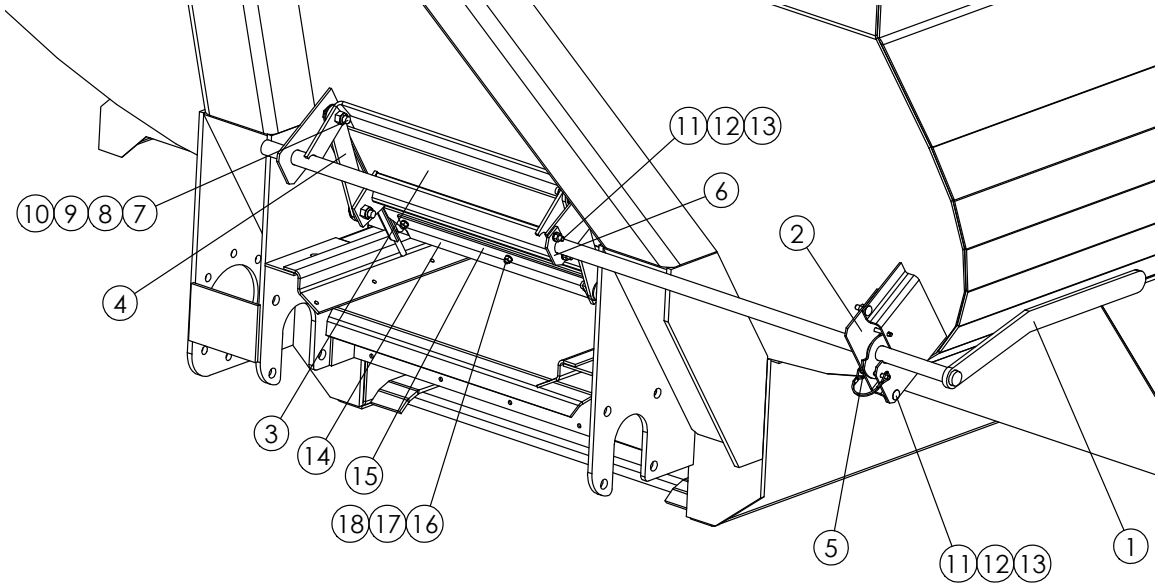
ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	304066	304068	Tailgate – Wldmt	1
2	88632	97504	Pivot – Feedgate Rear	1
3	302550	302551	Pivot – Lock Wldmt	1
4	89855	97513	Feedgate – Assy Rear, see *Rear Feedgate* parts list	1
5	88637	97518	Link – Linkage	2
6	20318	36408	Bolt – Carriage 3/8 x 1	2
7	20067	36398	Cap Screw – 3/8 x 1	4
8	20712	36420	Washer – Lock 3/8	6
9	20644	36414	Nut – Hex 3/8	6
10	20129	36539	Cap Screw – 1/2 x 1-1/2	4
11	20695	36426	Washer – Flat 1/2	4
12	20680	39016	Nut – Lock 1/2	4
13	88780	88780	Pin – Clevis 1-1/4 x 4	2
14	88824	88824	Pin – Lynch 1/4 x 1-1/4	2
15	85359	97519	Pin – Snap 1/4	1
16	305878	303265	Shield – Wldmt Feedgate	1
17	88638	88638	Tube – 3/4 x 3/8	4
18	* 89942	89942	Chain – 3/8 x 48	2
19	305877	303268	Mount – Wldmt Shield	2
20	305876	301654	Pin – Wldmt Feedgate Shield	2
21	40576	36429	Pin – Hair	2

* - Not Shown



ITEM		PART NO.	DESCRIPTION	QTY
	CS	SS 304		
	89855	97513	Feedgate – Assy Rear	
1	96500	97514	Feedgate – Wldmt Rear	1
2	88652	88652	Retainer – Sealer	1
3	88651	88651	Belt – Sealer	1
4	20005	36395	Cap Screw – 1/4 x 1	4
5	20710	36418	Washer – Lock 1/4	4
6	20642	36412	Nut – Hex 1/4	4

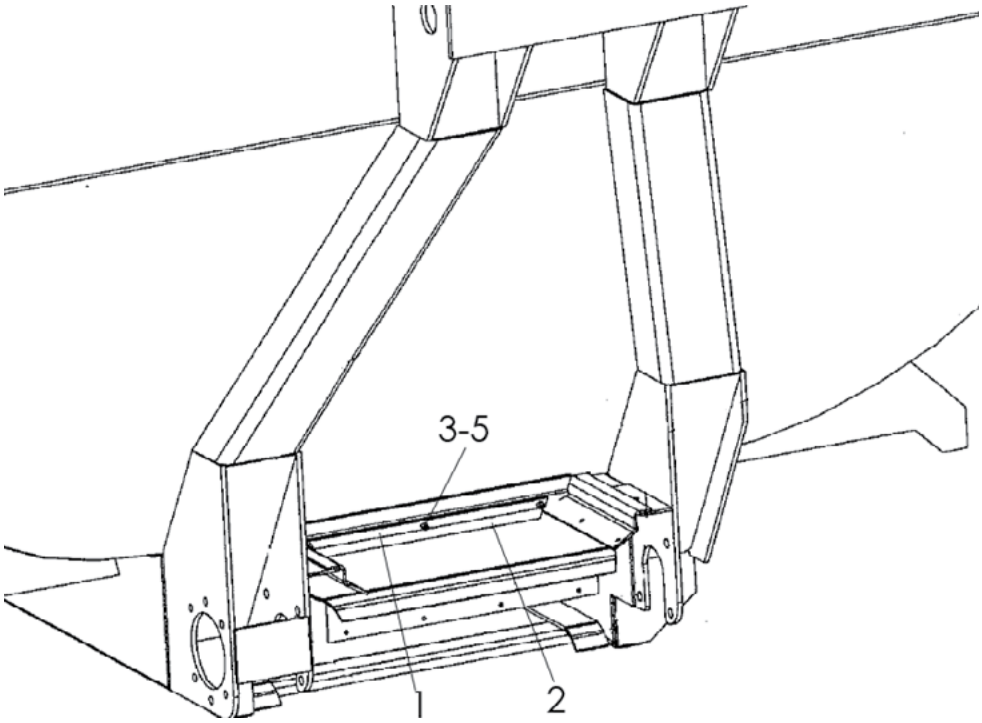
FRONT FEEDGATE I & II



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
	89904	98477	Feedgate – Assy Front, Includes 3, 14-18	
1	88708	98469	Pivot – Feedgate Front	1
2	302548	302549	Retainer – Wldmt Shaft Pivot	1
3	96494	98478	Feedgate – Wldmt Front	1
4	88710	98482	Link – Feedgate Pivot	2
5	85359	97519	Pin – Snap	1
6	88650	98483	Retainer – Spill Shield	1
7	88638	88638	Tube – 3/4 x 3/8	4
8	20129	36539	Cap Screw – 1/2 x 1-1/2	4
9	20695	36426	Washer – Flat 1/2	4
10	20680	39016	Nut – Lock 1/2	4
11	20291	42639	Bolt – Carriage 5/16 x 1	5
12	20711	36419	Washer – Lock 5/16	5
13	20643	36413	Nut – Hex 5/16	5
14	88709	88709	Belt – Sealer Feedgate Front	1
15	88723	88723	Retainer – Sealer Front	1
16	20621	47268	Screw – Flathead 1/4 x 1	3
17	20710	36418	Washer – Lock 1/4	3
18	20642	36412	Nut – Hex 1/4	3
19	*89899	98484	Feedgate - Wldmt Front Modification	1

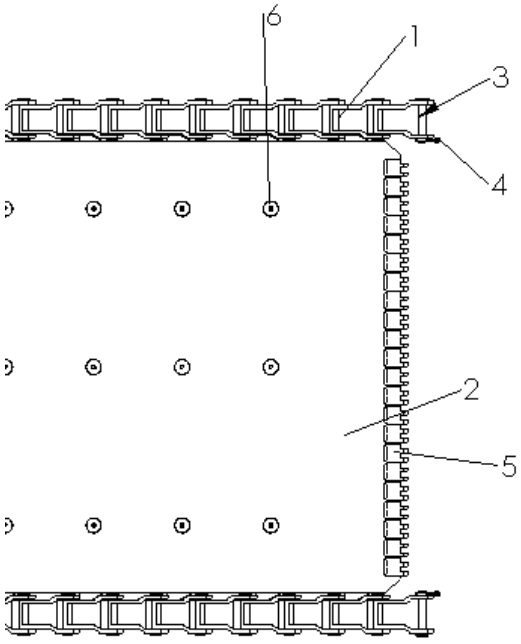
* - Not Shown

FRONT SEALER I



ITEM	PART NO.			DESCRIPTION	QTY
	CS	SS 304	SS 201		
1	88723	88723	88723	Retainer – Sealer Front	1
2	97039	97039	97039	Belt – Sealer Front	1
3	20005	36395	36395	Cap Screw – 1/4 x 1	3
4	20710	36418	36418	Washer – Lock 1/4	3
5	20642	36412	36412	Nut – Hex 1/4	3

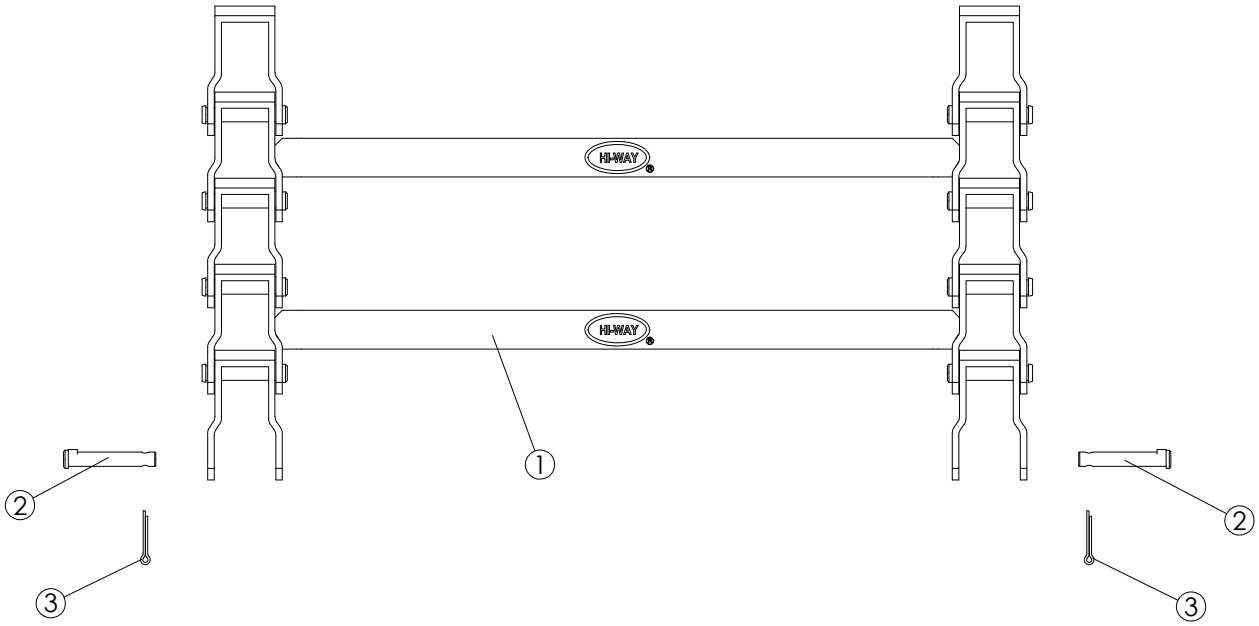
CONVEYOR - #4 BOC BODY



ITEM	PART NO.	DESCRIPTION		QTY
	305616	BOC – Assy #4 28" I	Specify Length	
		Includes: 1-6		
	305617	BOC – Assy #4 28" II	Specify Length	
		Includes: 1-4, 6-8		
	305618	BOC – Assy #4 28" III	Specify Length	
		Includes: 1-4, 6-8		
1	305630	Chain – Wldmt #4 28"	Specify Length	1
	36699	Link – Chain		AR
	39546	Bar - Supporting		AR
2	88942	Belt – Specify Type & Length		1
3	36697	Pin – Clevis		AR
4	20817	Pin – Cotter 1/8 x 1		AR
5	73317	Lacing – 23" Wide		1
6	305646	Screw - #4 BOC 1/4 x 9/16		AR

AR - As Required

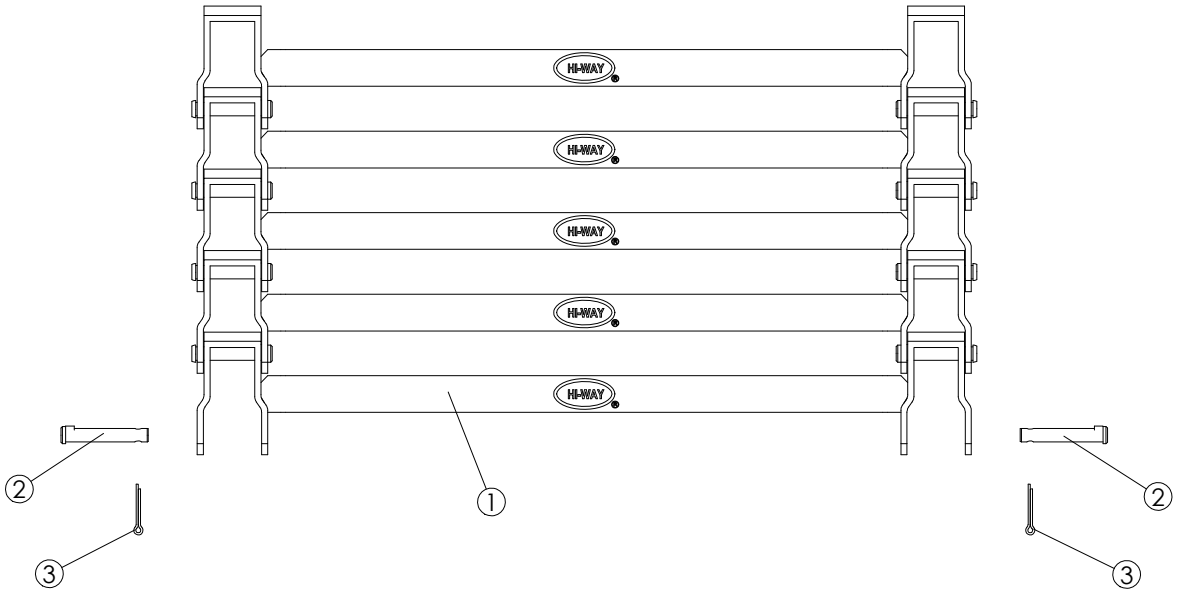
CONVEYOR - #2 CROSS



ITEM	PART NO.	DESCRIPTION	QTY
1	88722	Chain – Wldmt #2 16-1/2”	1
	26701	Link – Chain	AR
	79306	Bar – Cross	AR
2	26702	Pin - Clevis	AR
3	20811	Pin – Cotter	AR

AR - As Required

CONVEYOR - #3 BODY & CROSS



ITEM	PART NO.	DESCRIPTION		QTY
1	88935	Chain – Wldmt #3 28” I	Specify Length	1
	300312	Chain – Wldmt #3 28” II	Specify Length	1
	300360	Chain – Wldmt #3 28” III	Specify Length	1
	36699	Link – Chain		AR
	88938	Bar – Cross		AR
2	36697	Pin – Clevis		AR
3	20817	Pin – Cotter		AR
		#3 Cross Conveyor:		
	89770	Chain – Assy #3 16-1/2”		
1	89771	Chain – Wldmt #3 16-1/2”		1
	26701	Link – Chain		AR
	79306	Bar – Cross		AR
2	26702	Pin – Clevis		AR
3	20811	Pin – Cotter		AR

AR - As Required

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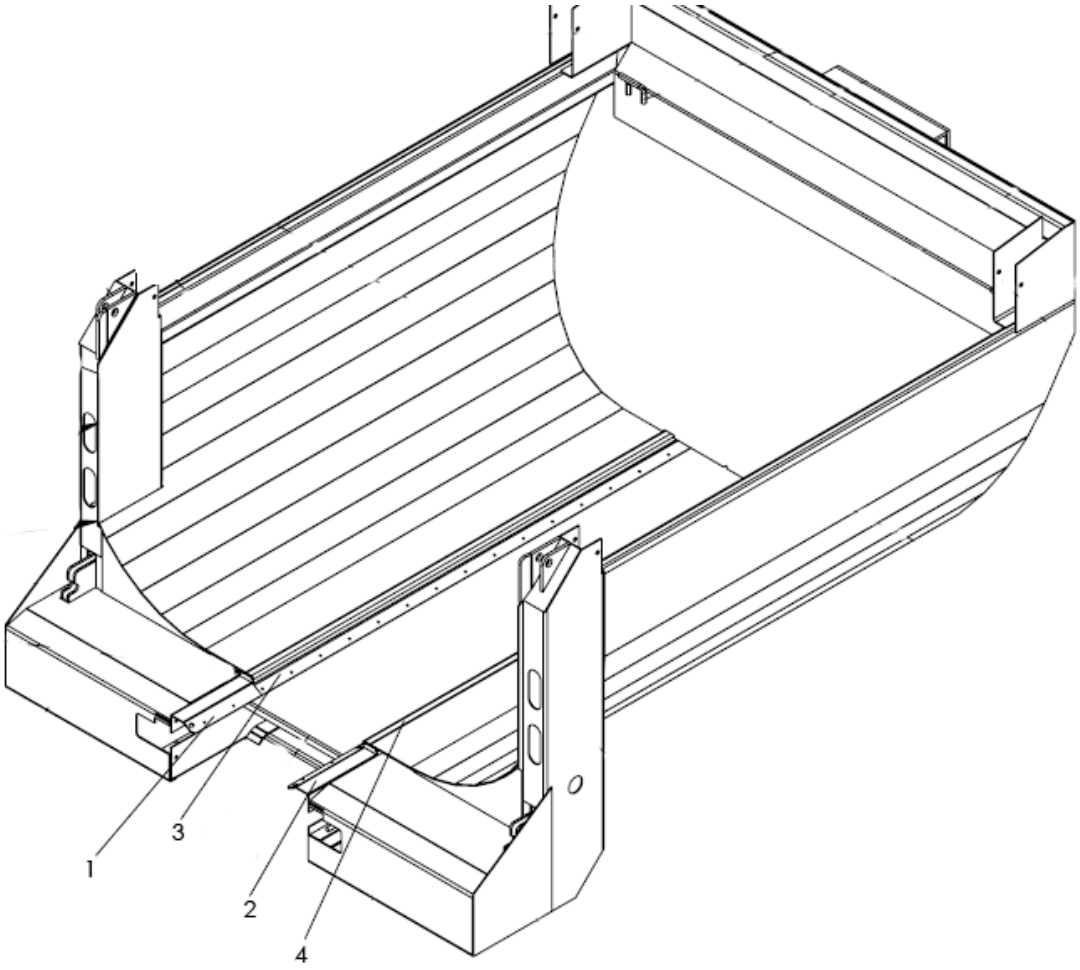
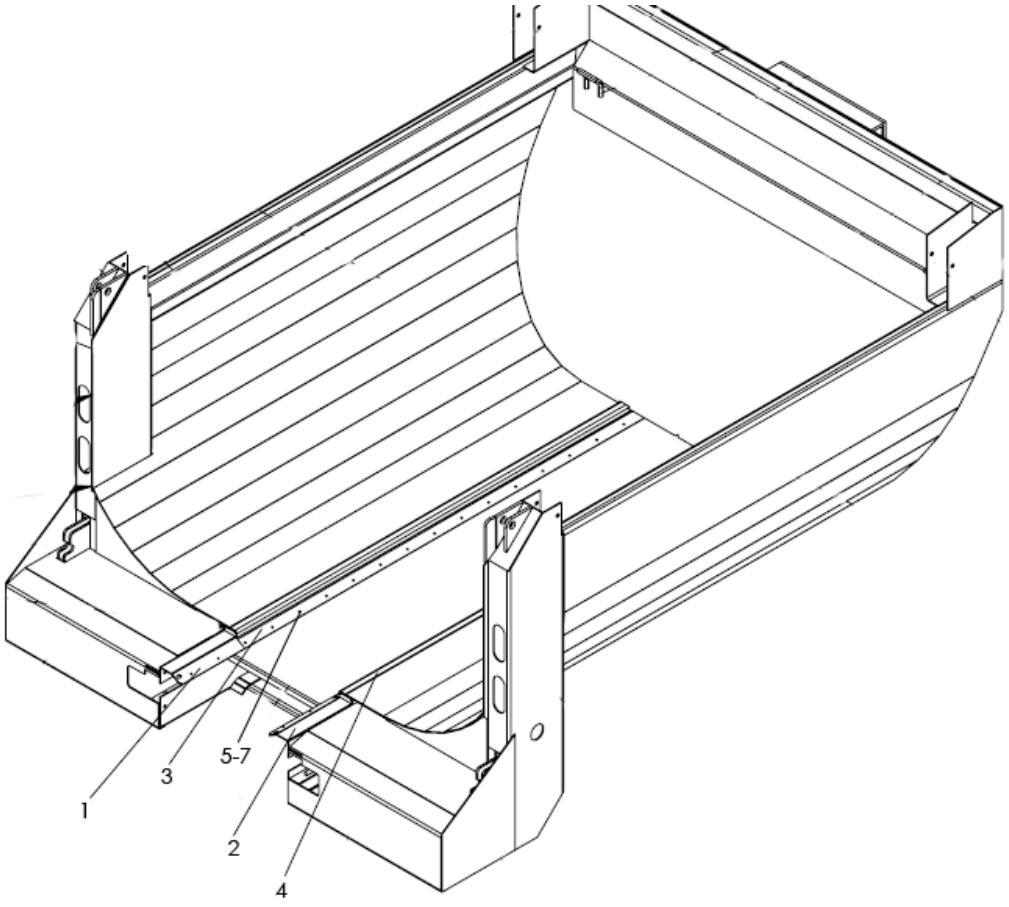
CHAIN SHIELD - #3 BELT



ITEM	PART NO.		DESCRIPTION		QTY
	CS	SS 304			
1	97024-AA	97584-AA	Shield Transition #3 LH		1
2	97024-AB	97584-AB	Shield Transition #3 RH		1
3	97026	97583	Chain Shield - Assy #3 I	Specify Length	2
	98437	303614	Chain Shield - Wldmt #3 II	Specify Length	1
	300353	98826	Chain Shield - Assy #3 III	Specify Length	2


1
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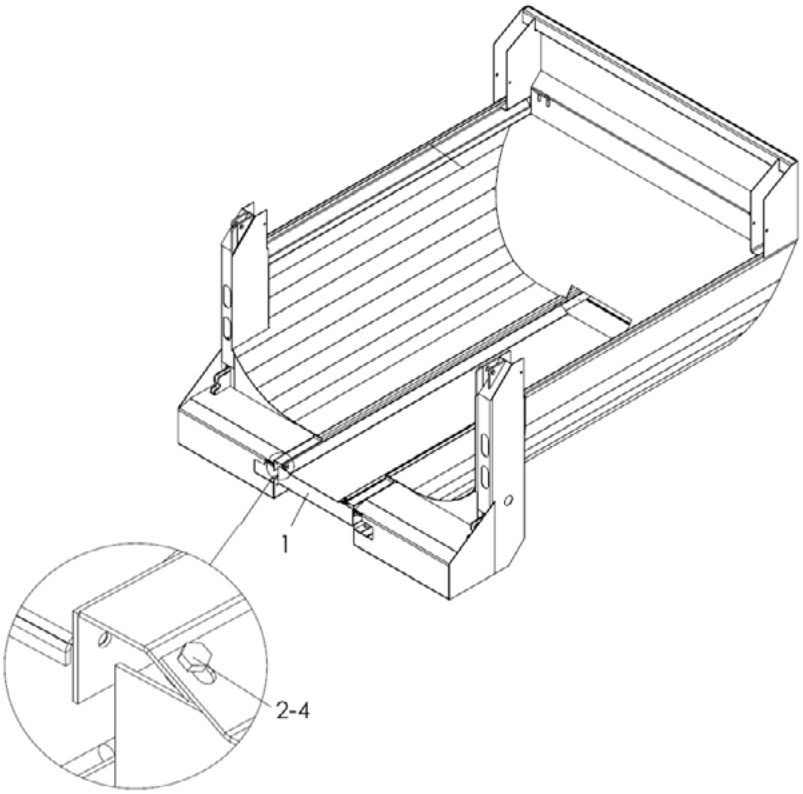
4

CHAIN SHIELDS - #4 BOC CONTINUED

ITEM	PART NO. CS	PART NO. SS 304	DESCRIPTION		QTY
1	88742-AA	97601-AA	Shield Transition #4 LH		1
2	88742-AB	97601-AB	Shield Transition #4 RH		1
3	97113	97649	Chain Shield - Assy #4 LH I 9/10		1
	97114	97650	Chain Shield - Assy #4 LH I 10/11		1
	97115	97651	Chain Shield - Assy #4 LH I 11/12		1
	97116	97652	Chain Shield - Assy #4 LH I 12/13		1
	97117	97653	Chain Shield - Assy #4 LH I 13/14		1
	97118	97654	Chain Shield - Assy #4 LH I 14/15		1
	98439	---	Chain Shield - Assy #4 LH II	Specify Length	1
	300365	98825	Chain Shield - Assy #4 LH III	Specify Length	1
4	97413	97655	Chain Shield - Assy #4 RH I 9/10		1
	97414	97656	Chain Shield - Assy #4 RH I 10/11		1
	97415	97657	Chain Shield - Assy #4 RH I 11/12		1
	97416	97658	Chain Shield - Assy #4 RH I 12/13		1
	97417	97659	Chain Shield - Assy #4 RH I 13/14		1
	97418	97660	Chain Shield - Assy #4 RH I 14/15		1
	98439-AB	---	Chain Shield - Assy #4 RH II	Specify Length	1
	300365-AB	98825-AB	Chain Shield - Assy #4 RH III	Specify Length	1
5	20624	56258	Screw – Truss Head 1/4 x 1/2		AR
6	88931	88931	Nut – Tee 1/4 x 1/4		AR
7	88751	88751	Belt - Sealer Chain Shield I	Specify Length	AR
	98227	98227	Belt - Sealer Chain Shield II	Specify Length	AR
	300367	300367	Belt - Sealer Chain Shield III	Specify Length	AR

* - Not Shown AR - As Required

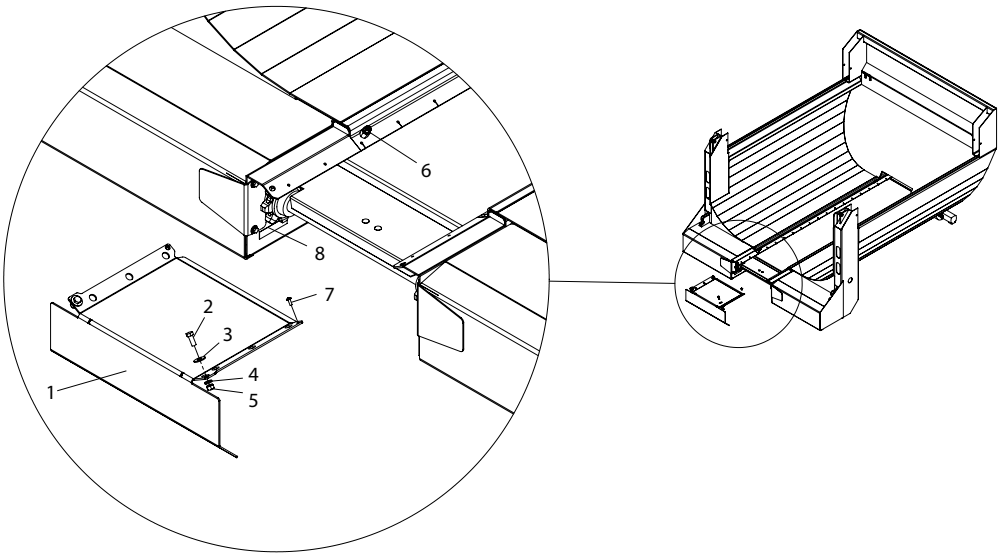
CONVEYOR COVER



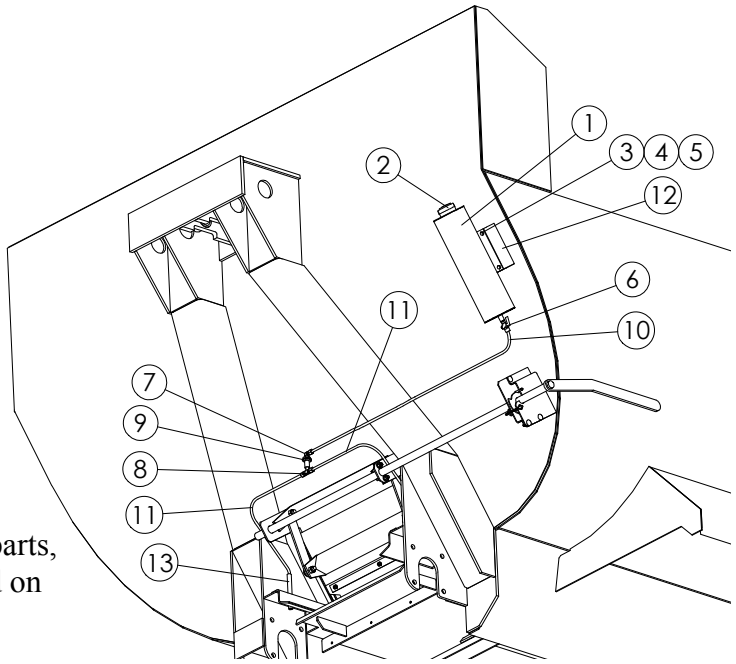
ITEM	PART NO.	DESCRIPTION		QTY
1	96730	Cover – Wldmt Conveyor I	Specify Length	1
	* 98453	Cover – Wldmt Conveyor II	Specify Length	1
	* 300558	Cover – Wldmt Conveyor III	Specify Length	1
2	20127	Cap Screw – 1/2 x 1, I & III		2
	* 20128	Cap Screw – 1/2 x 1-1/4, II		2
3	20714	Washer – Lock 1/2, I & III		2
	* 20695	Washer – Flat 1/2, II		4
4	20646	Nut – Hex 1/2, I & III		2
	* 20680	Nut – Lock 1/2, II		2

* - Not Shown

CONVEYOR GUARD



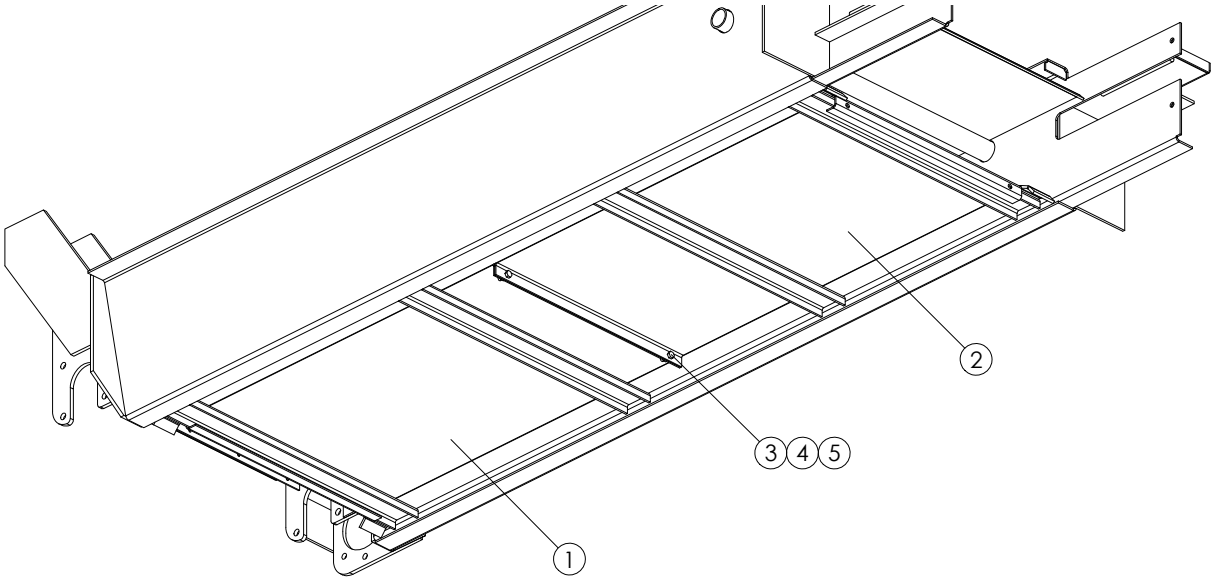
ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	309590	310686	Guard - WLDMT Conveyor	1
2	20128	36402	Cap Screw - 1/2-13NC x 1-1/4	2
3	20695	36426	Washer - Flat 1/2	2
4	20714	36422	Washer - Lock 1/2	2
5	20646	36416	Nut - Hex 1/2-13 NC	2
6	309475	309475	Rivet Nut - 1/4-20 UNC SS	2
7	32446	32446	Screw - Truss head 1/2-20 NC x SS	2
8	308191	308191	Decal - Guard Is Missing	2



Type I / II shown.
Type III has same parts, but tank is mounted on side of unit.

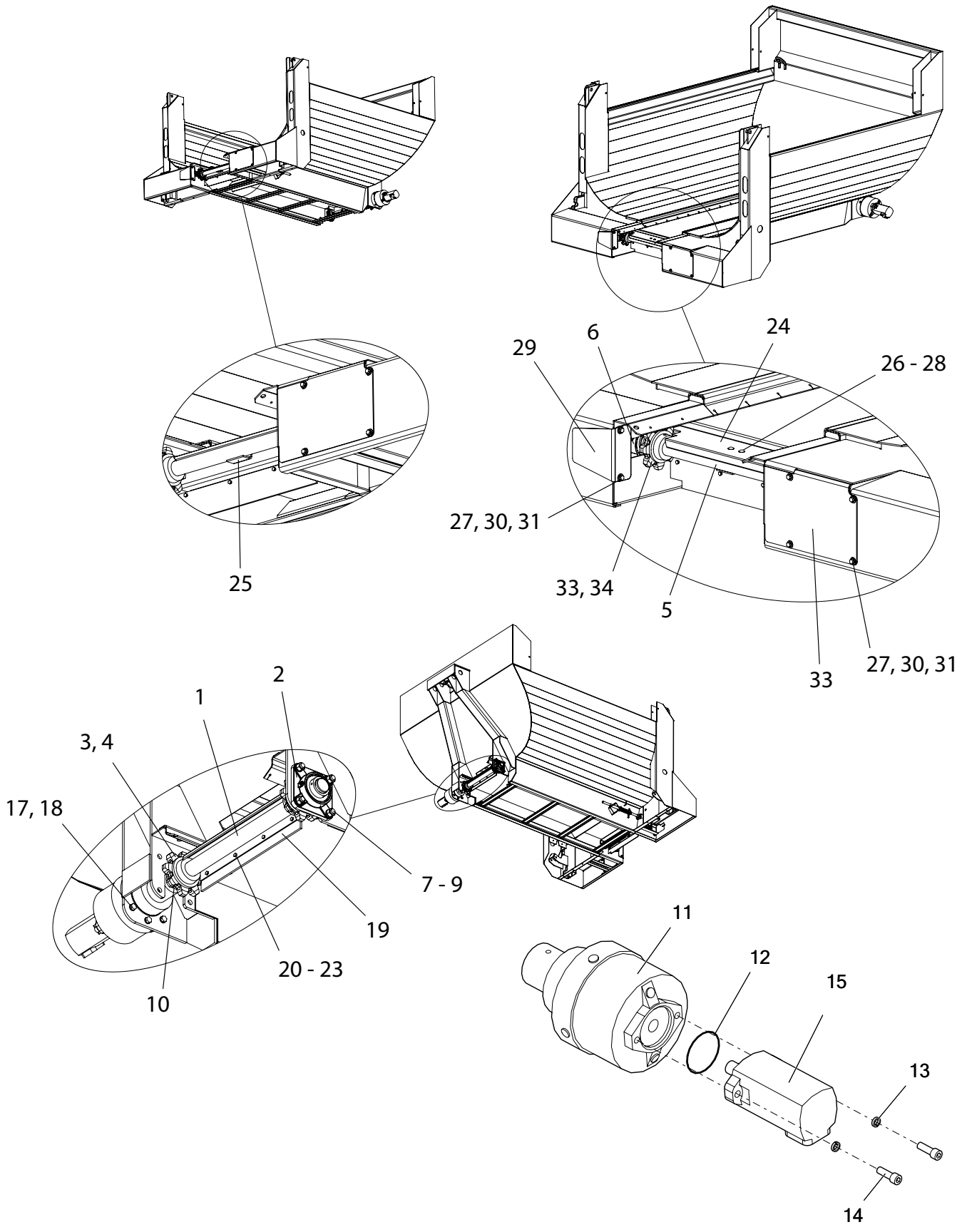
ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	1572	1572	Tank – Wldmt Oiler	1
2	21980	21980	Cap – Vented	1
3	20003	36393	Cap Screw – 1/4 x 3/4	4
4	20710	36418	Washer – Lock 1/4	4
5	20642	36412	Nut – Hex 1/4	4
6	21982	21982	Valve – Shut-Off	1
7	89967	89967	Fitting – Elbow 90°	1
8	89968	89968	Fitting – Tee	1
9	89969	89969	Fitting – Bulkhead	1
10	89965	89965	Tube – Copper 44-3/8, I & II	1
	* 6081	6081	Tube – Copper, III	AR
11	89966	89966	Tube – Copper 22-5/16, I & II	2
	* 6081	6081	Tube – Copper, III	2 -AR
12	88930	98496	Channel – Tank Mount	1
13	89963	98495	Pipe – III Only	2
14	* 89964	98497	Angle – Oiler Tube Support, III Only	1

* - Not Shown AR - As Required



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	88823	300310	Pan – Under Conveyor I & II Base	1
	88823-AG	300310-AG	Pan – Under Conveyor III Base	1
2	88823-AA	300310-AA	Pan – Under Conveyor I & II 9/10, III 10	1
	88823-AB	300310-AB	Pan – Under Conveyor I & II 10/11, III 11	1
	88823-AC	300310-AC	Pan – Under Conveyor I & II 11/12, III 12	1
	88823-AD	300310-AD	Pan – Under Conveyor I & II 12/13, III 13	1
	88823-AE	300310-AE	Pan – Under Conveyor I & II 13/14, III 14	1
	88823-AF	300310-AF	Pan – Under Conveyor I & II 14/15, III 15	1
	--	300310-AH	Pan – Under Conveyor III 16	1
3	20067	36398	Cap Screw – 3/8 x 1	2
4	20712	36420	Washer – Lock 3/8	2
5	20644	36414	Nut – Hex 3/8	2

DRIVE/IDLER GROUP - TYPES I & II



DRIVE/IDLER GROUP - TYPES I & II CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
	89852	Shaft - Assy Front w/ Drive, Includes Items 1 - 4	
	89853	Shaft - Assy Rear, Includes Items 5, 6, 37, 38	
	89850-AC	Drive - Assy 25:1 Front, Includes Items 11 - 15	
1	88911	Shaft - Main Front	1
2	6465	Bearing	1
3	88276	Sprocket - 8 Tooth 2” Bore	2
4	6131	Key - Square	2
5	88782	Shaft - Drive Main Rear	1
6	22511-X1	Bearing - Take-Up	2
7	89526	Cap Screw - 5/8-11 NC x 2 GR8	4
8	40597	Washer - Lock 5/8 SS	4
9	89591	Nut - 5/8-11 NC GR8	4
10	42279	Key - Square	2
11	88601	Gearcase - Planetary 25:1	1
12	88725	O-Ring	1
13	30227	Washer - Lock 1/2	2
14	89701	Cap Screw - Socket Head 12-13 NC x 1-1/2 GR8	2
15	310248	Motor - Hyd 4.9 CID w/ M12 Sensor	1
16	*310376	Seal Kit	1
17	20127-X1	Cap Screw - 1/2-13 NC x 1 GR8	6
18	36422	Washer - Lock 1/2 SS	6
19	96734	Belt - Wiper Front	1
20	88791	Retainer - Belt Front	1
21	36395	Cap Screw - 1/4-20 NC x 1 SS	4
22	36418	Washer - Lock 1/4 SS	4
23	36412	Nut - Hex 1/4-20 NC SS	4
24	97524	Take-Up - Wldtmt #3 304	1
25	97527	Keeper - Shaft Drive 304	1
26	36408	Bolt - Carriage 3/8-16 x 1 SS	2
27	36420	Washer - Lock 3/8 SS	10
28	36414	Nut - Hex 3/8-16 NC SS	2
29	97528	Cover - Access LH 304	1

* - Not Shown

See *Idler Take-Up Modification Type I* parts list for idler details

DRIVE/IDLER GROUP - TYPES I & II CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
30	36425	Washer - Flat 3/8 SS	8
31	36293	Cap Screw - 3/8-16 NC x 3/4 SS	8
32	313083	Cover - Access RH 304	1
33	88276	Sprocket - 8 Tooth 2” Bore	2
34	6131	Key - Square	2

* - Not Shown

See *Idler Take-Up Modification Type I* parts list for idler details

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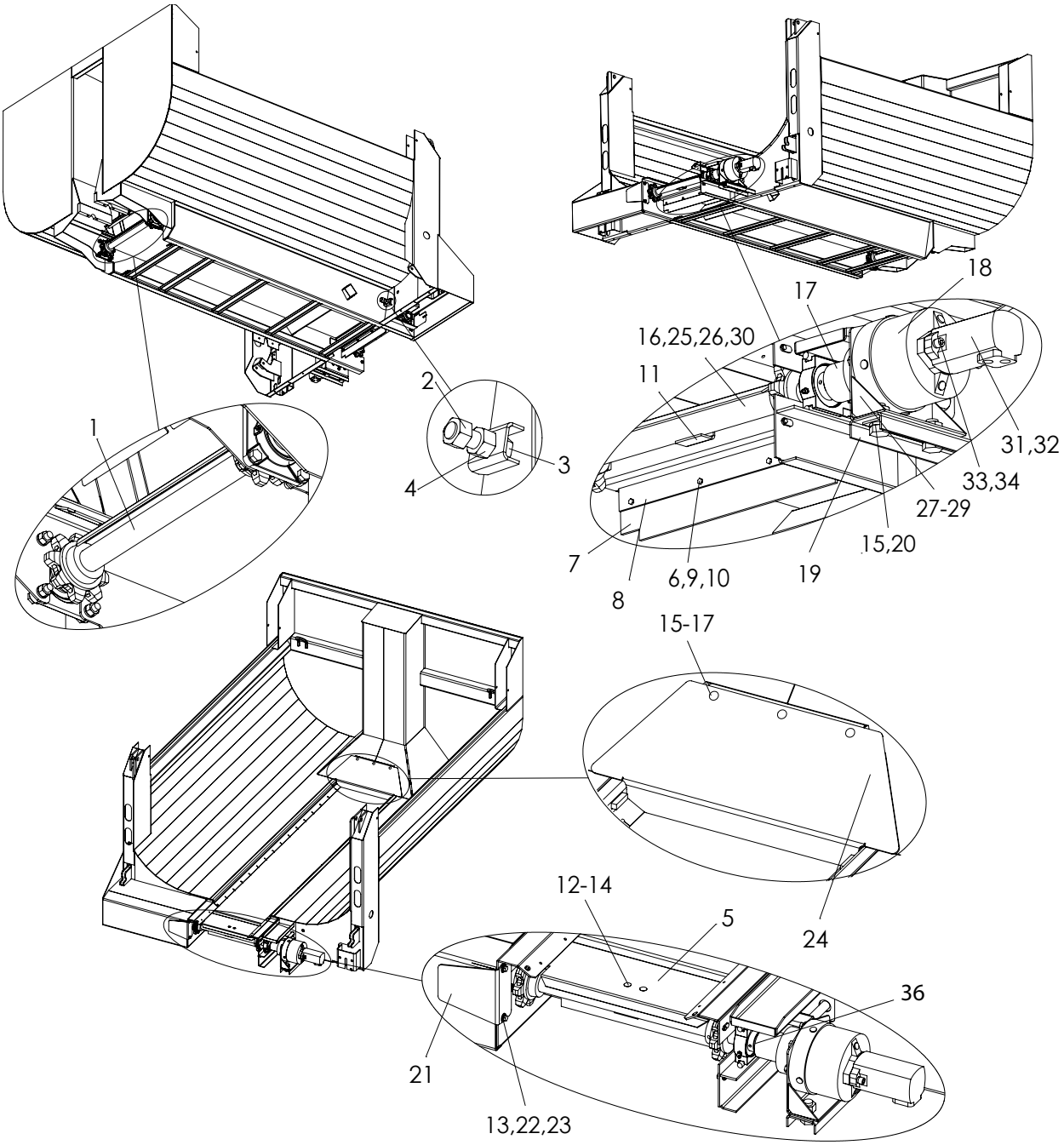
DRIVE/IDLER GROUP - TYPE III



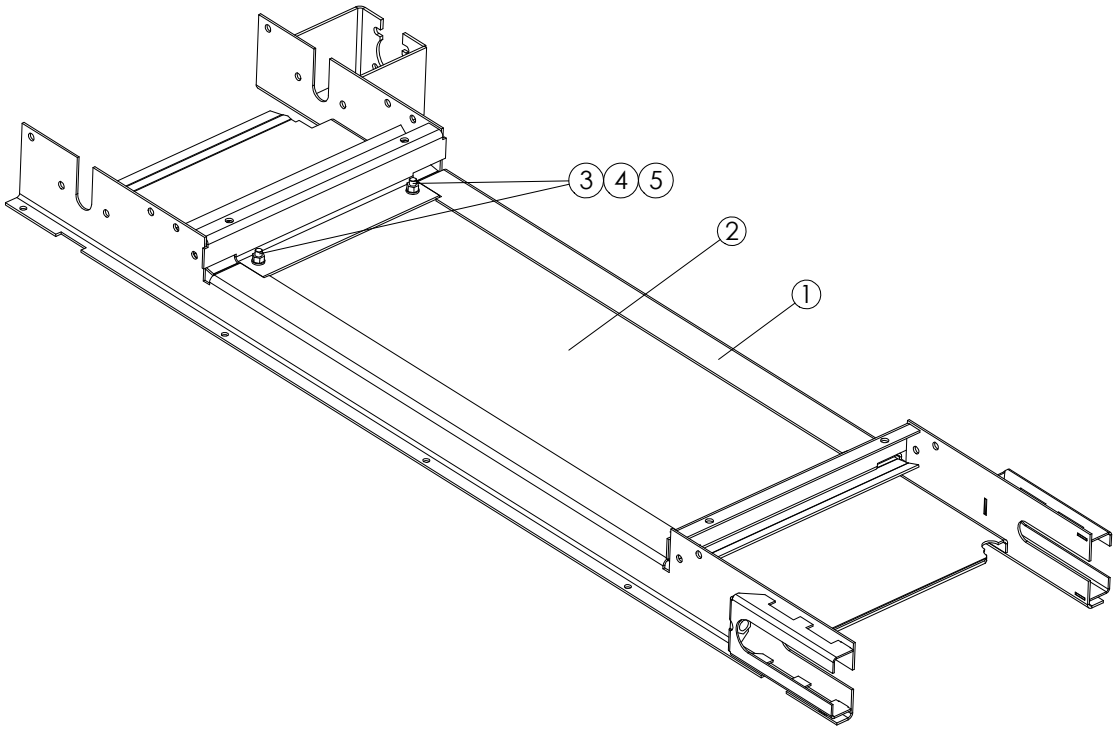
NOTE: RH Access Cover Removed for Clarity.

ITEM	PART NO.	DESCRIPTION	QTY
1	88911	Shaft - Drive Main Front	1
2	88797	Bolt - Wldmt Take-up	2
3	39110	Nut - Wldmt	2
4	36509	Nut - Hex 1-8NC SS	2
5	97524	Take-up - Wldmt #3 304	1
6	36395	Cap Screw - 1/4-20NC x 1 SS	4
7	88789	Belt - Wiper Rear Inner	1
8	88652	Retainer - Sealer Feedgate	1
9	36418	Washer - Lock 1/4 SS	4
10	36412	Nut - Hex 1/4-20 NC	4
11	97527	Keeper - Shaft Drive 304	1
12	36408	Bolt - Carriage 3/8 x 1 SS	5
13	36420	Washer - Lock 3/8 SS	13
14	36414	Nut - Hex 3/8 SS	5
15	20719	Washer - Lock 1	2
16	88782	Shaft - Drive Main Rear	1
17	42279	Key - Square 1/2 x 2-1/2	1
18	88601	Gear Case - Planetary 25:1	1
19	88804	Plate - Slide	1
20	20205-X1	Cap Screw - 1-8NC x 2	2
21	97528	Cover - Wldmt Access LH 304	1
22	36425	Washer - Flat 3/8 SS	6
23	36293	Cap Screw - 3/8-16NC x 3/4 SS	6
24	300544	Cover - Skirt Access T3 304	1
25	6131	Key - Square 3/8 x 3/8 x 1-1/2	4
26	88276	Sprocket	2
27	88807	Mount - Wldmt	1
28	20714	Washer - Lock 1/2	8
29	20127-X1	Cap Screw- 1/2-13NC x 1 GR8	8
30	22511-X1	Bearing	2
31	88725	O-Ring	1
32	310248	Motor - Hyd 4.9 CIS w/ M12 Sensor	1
33	30227	Washer - Lock Socket 1/2	2
34	89701	Cap Screw - Socket 1/2-13NC x 1-1/5 GR8	2
35	*313083	Cover - Access RH 304	1
36	311172	Seal - V-Ring 2”	1

* - Not Shown

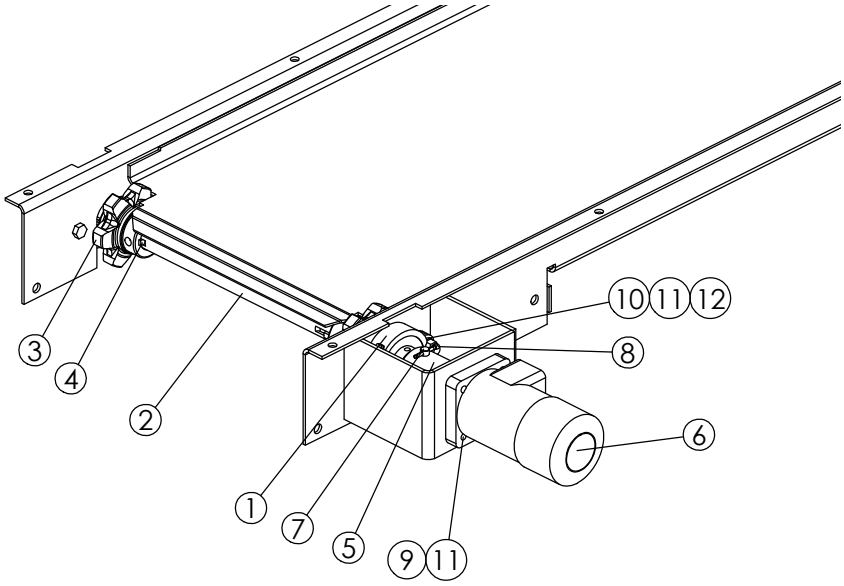
See *Idler Spring Modification - Type III* parts list for idler details

COVER - CROSS CONVEYOR



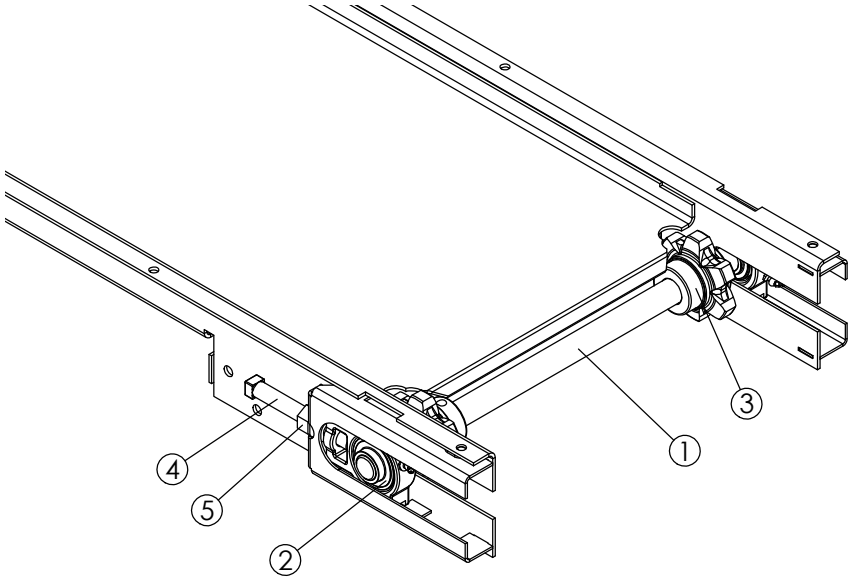
ITEM	PART NO.	DESCRIPTION	QTY
1	88665	Conveyor – Wldmt	1
2	88657	Cover – Bottom	1
3	20318	Bolt – Carriage 3/8 x 1	4
4	20712	Washer – Lock 3/8	4
5	20644	Nut – Hex 3/8	4

DRIVE - CROSS CONVEYOR



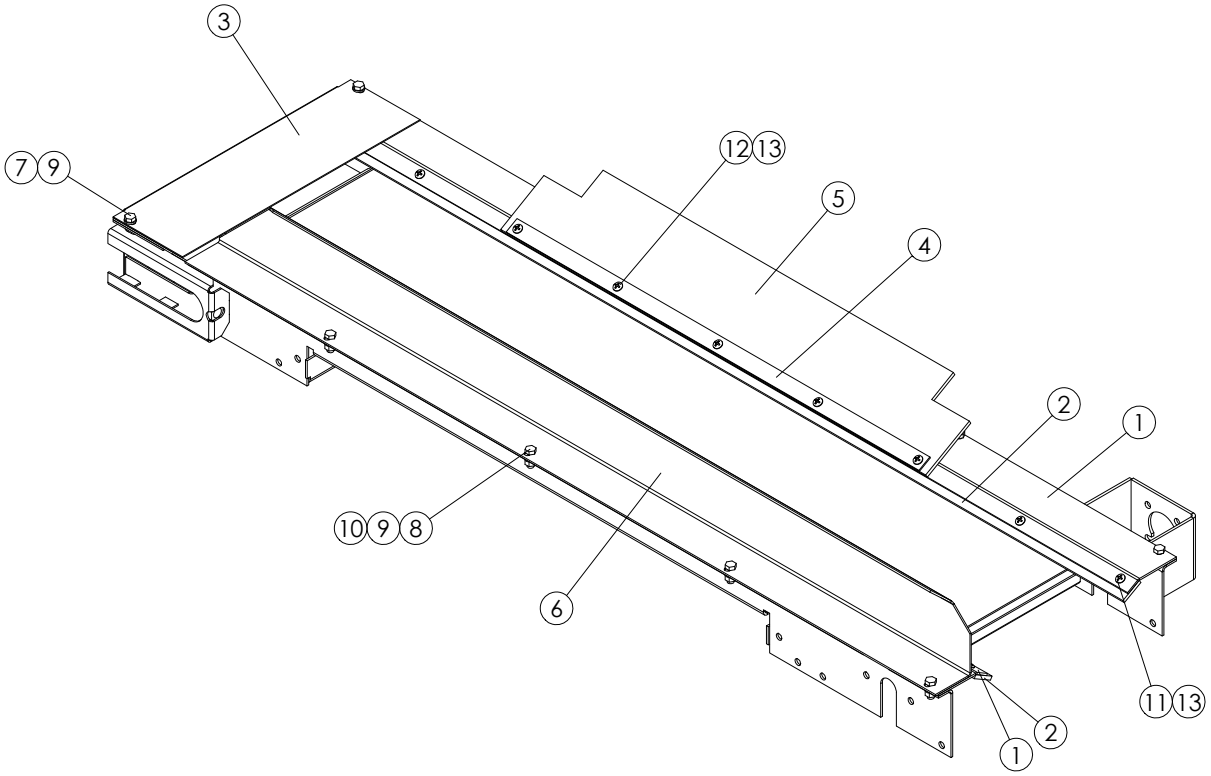
ITEM	PART NO.	DESCRIPTION	QTY
1	22568	Bearing	2
2	79279	Shaft – Drive	1
3	99414	Sprocket	2
4	2152	Key – Square 1/4 x 1/4 x 2-1/2	2
5	79709	Coupling – Drive	1
6	73399	Motor – Hydraulic	1
7	6123	Pin – Clevis 3/8 x 2-1/4	1
8	20822	Pin – Cotter	1
9	20065	Cap Screw – 3/8 x 3/4	4
10	20068	Cap Screw – 3/8 x 1-1/4	4
11	20712	Washer – Lock 3/8	8
12	20644	Nut – Hex 3/8	4

IDLER - CROSS CONVEYOR



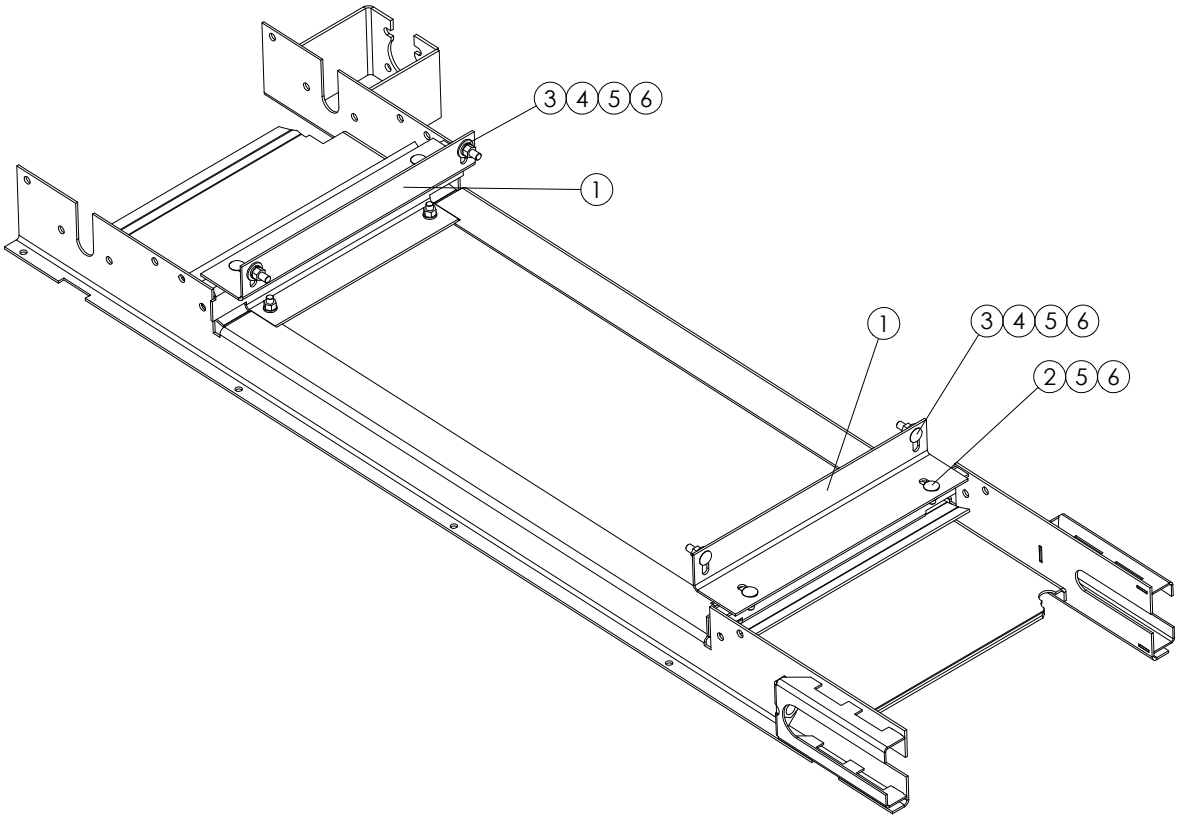
ITEM	PART NO.	DESCRIPTION	QTY
1	88901	Shaft – Idler	1
2	99415	Bearing	2
3	99413	Sprocket	2
4	21398	Screw – Set 5/8 x 5	2
5	20648	Nut – Hex 5/8	2

CHAIN SHIELD - CROSS CONVEYOR



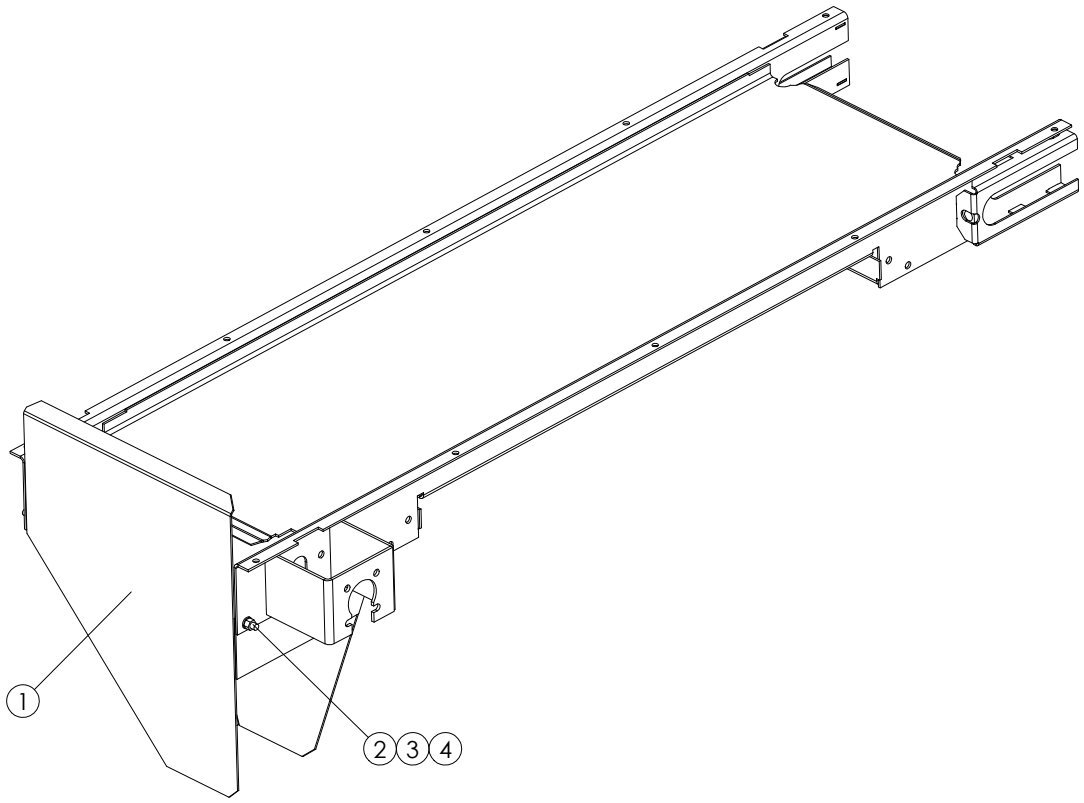
ITEM	PART NO.	DESCRIPTION	QTY
1	88666	Shield – Chain	2
2	88667	Belt – Sealer	2
3	88661	Guard – Idler	1
4	88933	Retainer – Front Wiper	1
5	88727	Belt – Wiper Front	1
6	88726	Shield – Front	1
7	20065	Cap Screw – 3/8 x 3/4	2
8	20067	Cap Screw – 3/8 x 1	8
9	20712	Washer – Lock 3/8	10
10	20644	Nut – Hex 3/8	8
11	20624	Screw – Truss Head 1/4 x 1/2	13
12	21378	Screw – Truss Head 1/4 x 3/4	5
13	88931	Nut – Tee 1/4	18

MOUNT - CROSS CONVEYOR



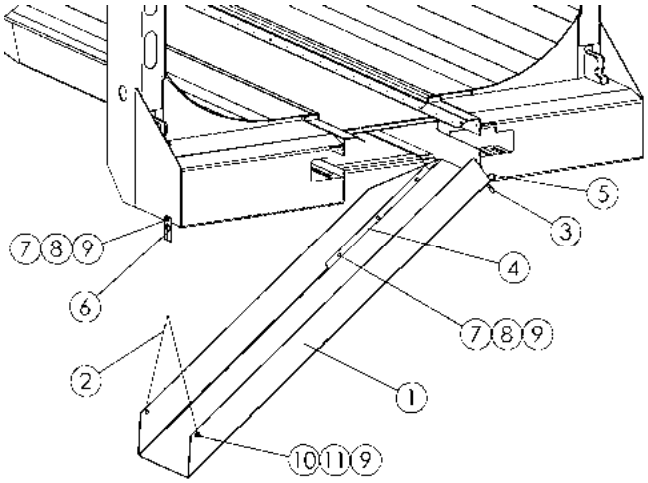
ITEM	PART NO.	DESCRIPTION	QTY
1	88660	Mount – Truck Frame	2
2	20318	Bolt – Carriage 3/8 x 1	4
3	20319	Bolt – Carriage 3/8 x 1-1/4	4
4	20693	Washer – Flat 3/8	4
5	20712	Washer – Lock 3/8	8
6	20644	Nut – Hex 3/8	8

CHUTE - CROSS CONVEYOR



ITEM	PART NO.	DESCRIPTION	QTY
1	88916	Chute – Wldmt Cross Conveyor	1
2	20067	Cap Screw – 3/8 x 1	4
3	20712	Washer – Lock 3/8	4
4	20644	Nut – Hex 3/8	4

SIDE DISCHARGE CHUTE

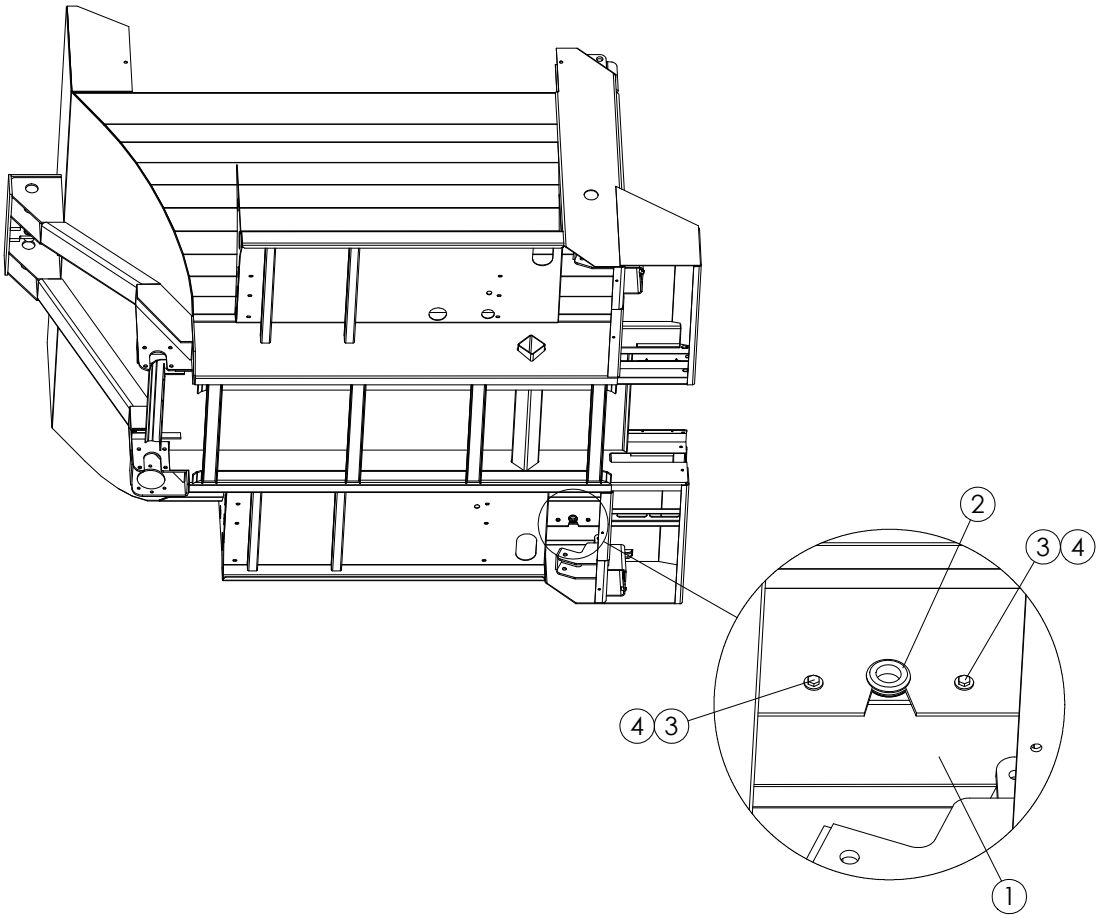


ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	302208-AC	307308-AC	Chute – Wldmt LH Side Discharge	1
	302208-AD	307308-AD	Chute – Wldmt RH Side Discharge	1
2	304090	304090	Chain – Assy 5/16	1
3	302206	307309	Pin – Discharge Chute	1
4	302205	307310	Strip – Wear	1
5	86878	86878	Pin – Hair 3-3/4 x .178	1
6	302213	307311	Plate – Chain Hook	1
7	20067	36398	Cap Screw – 3/8-16 NC x 1	4
8	20712	36420	Washer – Lock 3/8	4
9	20644	36414	Nut – Hex 3/8	6
10	20068	36399	Cap Screw – 3/8-16 NC x 1-1/4	2
11	20693	36425	Washer – Flat 3/8	2
12	*302207-AA	307313-AA	Hinge - Discharge Chute	2

* - Not Shown

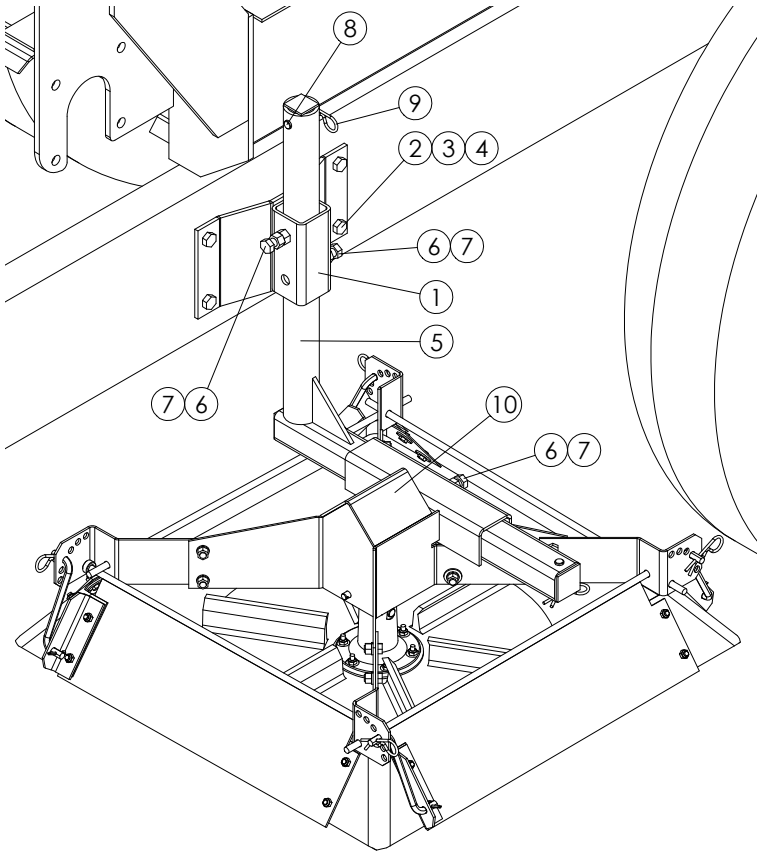
PARTS LIST

BOLSTER COVER



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	302606	302613	Cover – Wldmt Bolster Bottom	2
2	24812	24812	Grommet – Rubber	2
3	20003	36393	Cap Screw – 1/4-20 x 3/4	4
4	20691	36423	Washer – Flat 1/4	4

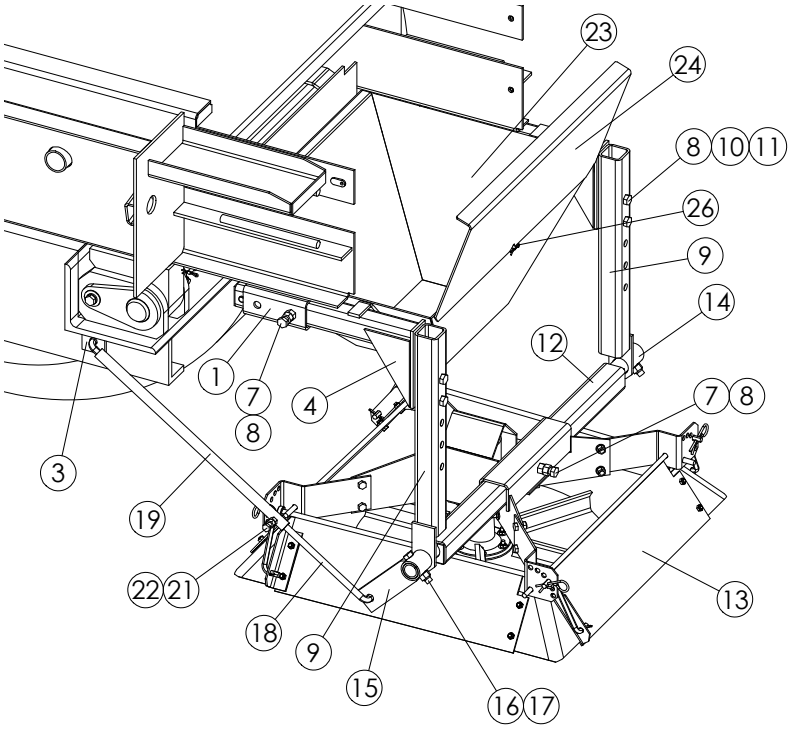
FRONT SPINNER

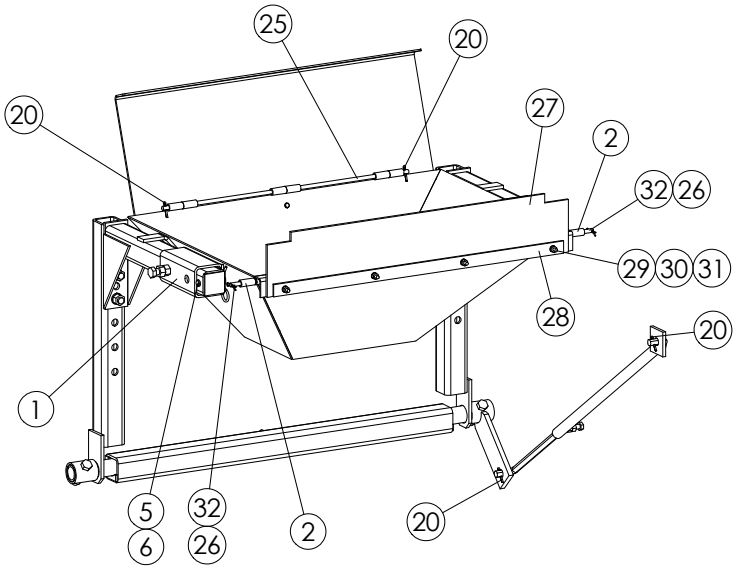


ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	88995	88995	Tube – Wldmt Mount Front	1
2	20129-X1	20129-X1	Cap Screw – 1/2 x 1-1/2	4
3	20714	36422	Washer – Lock 1/2	4
4	89643	89643	Nut – Hex 1/2	4
5	88997	88997	Hanger – Wldmt Swivel	1
6	20129	36539	Cap Screw – 1/2 x 1-1/2	3
7	20646	36416	Nut – Hex 1/2	3
8	6123	88229	Pin – Clevis 3/8 x 2-1/4	2
9	40576	36429	Pin – Hair	2
10	89874-AA	97541-AA	Spinner – Assy Poly w/ Baffles	1
	89874-AB	97541-AB	Spinner – Assy Steel w/ Baffles	1
	* 89980-AA	97685-AA	Spinner – Assy Poly w/o Baffles	1
	* 89980-AB	97685-AB	Spinner – Assy Steel w/o Baffles	1

* - Not Shown

FRAME - REAR SPINNER/PATCH PAN



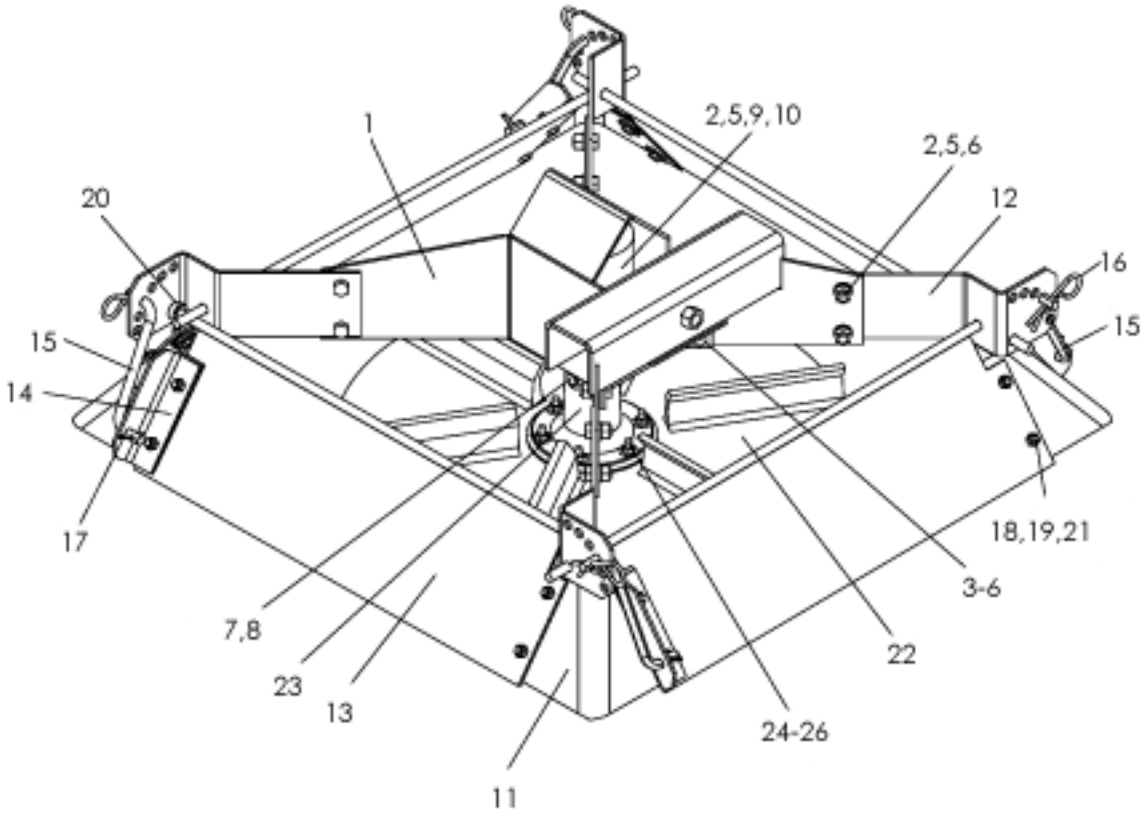


FRAME - REAR SPINNER/PATCH PAN CONTINUED

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	88951	97537	Tube – Wldmt Mount Rear	2
2	88953	97539	Pipe – 1/4 x 1-1/4	2
3	88954	97540	Plate – Adjusting Rear	1
4	88955	88955	Frame – Wldmt Horizontal	2
5	6123	88229	Pin – Clevis 3/8 x 2-1/4	2
6	40576	36429	Pin – Hair	2
7	20129	36539	Cap Screw 1/2 x 1-1/2	AR
8	20646	36416	Nut – Hex 1/2	AR
9	88959	88959	Frame – Wldmt Vertical	2
10	20135	36297	Cap Screw – 1/2 x 3	4
11	20714	36422	Washer – Lock 1/2	4
12	88962	88962	Hanger – Wldmt Horizontal	1
13	89874-AA	97541-AA	Spinner – Assy Poly w/ Baffles	1
	89874-AB	97541-AB	Spinner – Assy Steel w/ Baffles	1
	* 89980-AA	97685-AA	Spinner – Assy Poly w/o Baffles	1
	* 89980-AB	97685-AB	Spinner – Assy Steel w/o Baffles	1
14	88966-AB	88966-AB	Pipe – Retainer Hanger	1
15	88965	88965	Retainer – Wldmt Hanger	1
16	20133	42454	Cap Screw – 1/2 x 2-1/4	2
17	20680	39016	Nut – Lock 1/2	2
18	88971	88971	Rod – Adjusting Slide	1
19	88968	88968	Rod – Wldmt Adjusting	1
20	20817	36427	Pin – Cotter 1/8 x 1	4
21	20068	36399	Cap Screw – 3/8 x 1-1/4	1
22	20644	36414	Nut – Hex 3/8	1
23	88982	97558	Hopper – Wldmt	1
24	88987	97564	Cover – Wldmt Hopper	1
25	88989	88989	Rod – Hinge Hopper Cover	1
26	40562	41779	Pin – Hair	3
27	88994	88994	Belt – Wiper Rear Outer	1
28	88652	88652	Retainer – Sealer Feedgate	1
29	20005	36395	Cap Screw – 1/4 x 1	4
30	20710	36418	Washer- Lock 1/4	4
31	20642	36412	Nut – Hex 1/4	4
32	17770	76821	Pin – Clevis 5/16 x 3-1/2	2

* - Not Shown

SPINNER ASSY WITH BAFFLES

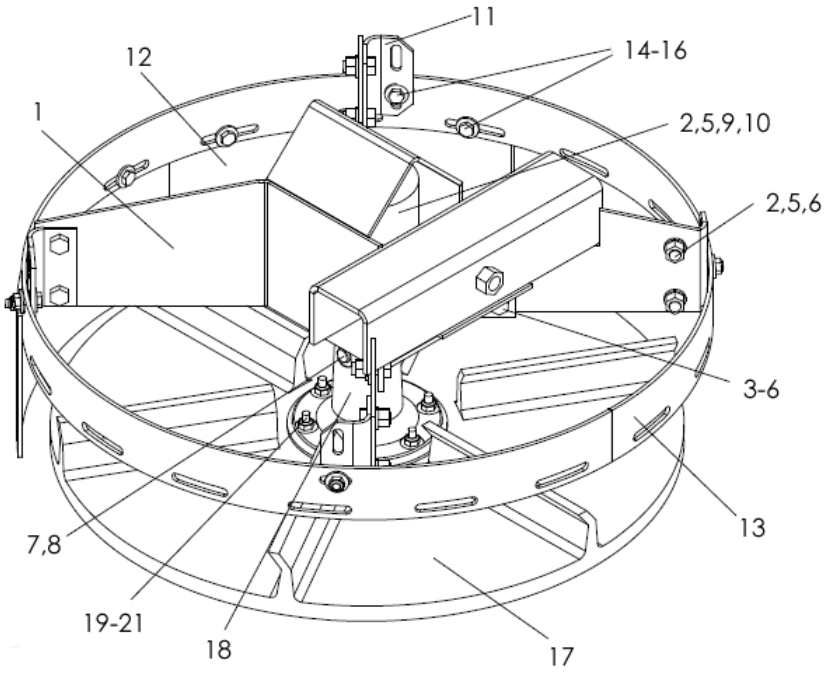


SPINNER ASSY WITH BAFFLES CONTINUED

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
	89874-AA	97541-AA	Spinner – Assy Poly with Baffles	
	89874-AB	97541-AB	Spinner – Assy Steel with Baffles	
	87757	87757	Disc - Assy Spinner Steel, Includes 22,23,27-30	
	88396	88396	Disc - Assy Spinner Poly, Includes 22-26	
1	89876	97542	Frame – Wldmt Spinner	1
2	20065	36293	Cap Screw – 3/8 x 3/4	12
3	20067	36398	Cap Screw – 3/8 x 1	2
4	20693	36425	Washer – Flat 3/8	2
5	20712	36420	Washer – Lock 3/8	14
6	20644	36414	Nut – Hex 3/8	10
7	6123	88229	Pin – Clevis 3/8 x 2-1/4	1
8	20817	36427	Pin – Cotter 1/8 x 1	1
9	89878	97548	Mount – Wldmt Motor	1
10	58806	58806	Motor – Hydraulic	1
11	87801	87801	Deflector – Belt	4
12	89886	97550	Support – Baffle	4
13	89877	97551	Baffle – Wldmt	4
14	89981	97554	Angle – Mounting	4
15	89984	97555	Rod – Control	4
16	40576	36429	Pin – Hair	4
17	20821	76884	Pin – Cotter	4
18	20003	36393	Cap Screw – 1/4 x 3/4	16
19	20676	42034	Nut - Lock 1/4	16
20	21011	21011	collar - Set 3/8	4
21	21423	21423-X1	Washer - 1/4 Special	8
22	34853	34856	Spinner - Urethane, Poly Only	1
	*9098	9098	Disc - Distributor, Steel Only	1
23	88002	88002	Hub - Spinner Direct Drive	1
24	21423	21423	Washer - 1/4 Special	6
25	20007	20007	Cap Screw - 1/4-20 x 1-1/2	6
26	20676	20676	Nut - Lock 1/4-20	6
27	*4731	4731	Fin - Formed	6
28	*20003	20003	Cap Screw - 1/4-20 x 3/4	12
29	*20676	20676	Nut - Lock 1/4-20	18
30	*20004	20004	Cap Screw - 1/4 x 7/8	6

* - Not Shown Items 28-30 used to secure Item 27 to Item 22

SPINNER ASSY (WITHOUT BAFFLES)

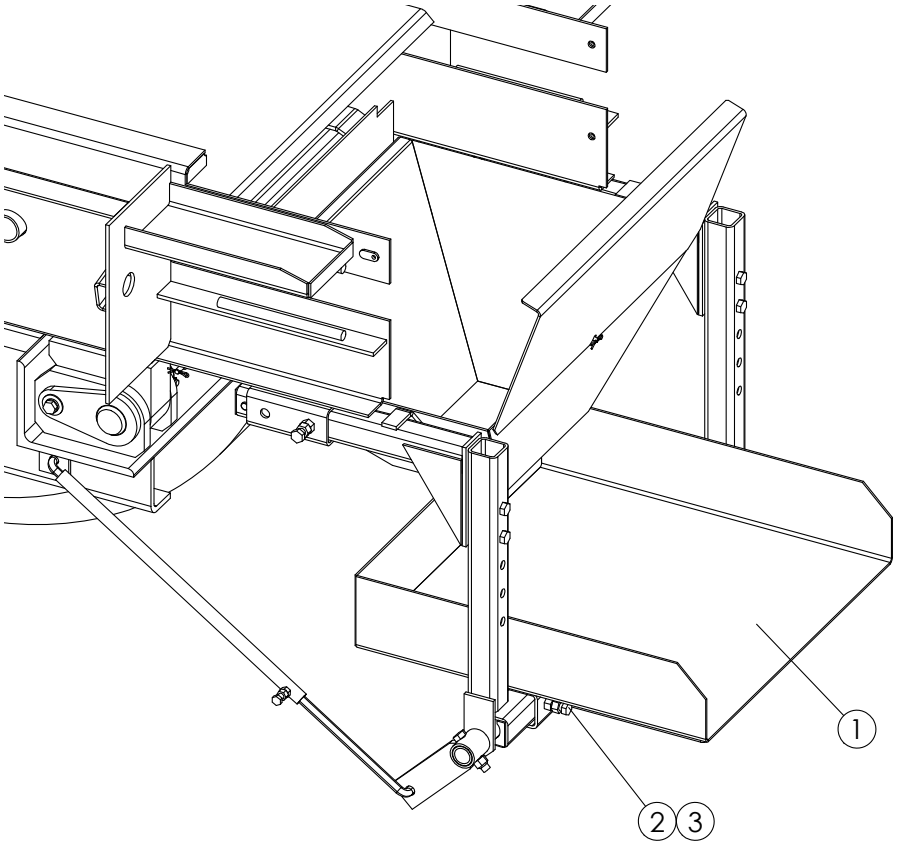


SPINNER ASSY (WITHOUT BAFFLES) CONTINUED

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
	89980-AA	97685-AA	Spinner – Assy Poly without Baffles	
	89980-AB	97685-AB	Spinner - Assy Steel without Baffles	
	87757	87757	Disc - Assy Spinner Steel, Includes 17,18,22-25	
	88396	88396	Disc - Assy Spinner Poly, Includes 17-21	
1	89876	97542	Frame – Wldmt Spinner	1
2	20065	36293	Cap Screw – 3/8 x 3/4	12
3	20067	36398	Cap Screw – 3/8 x 1	2
4	20693	36425	Washer – Flat 3/8	2
5	36420	36420	Washer – Lock 3/8	14
6	20644	36414	Nut – Hex 3/8	10
7	6123	88229	Pin – Clevis 3/8 x 2-1/4	1
8	20817	36427	Pin – Cotter 1/8 x 1	1
9	89878	97548	Mount – Wldmt Motor	1
10	58806	58806	Motor – Hydraulic	1
11	89983	97687	Angle – Ring Mount	4
12	89981	97688	Plate – Baffle	1
13	89987	97689	Ring – Wldmt Baffle Mount	1
14	20003	36393	Cap Screw – 1/4 x 3/4	10
15	20691	36423	Washer - Flat 1/4	14
16	20676	42034	Nut - Lock 1/4	10
17	34853	34853	Spinner - Urethane, Poly Only	1
	*9098	9098	Disc - Distributor, Steel Only	1
18	88002	88802	Hub – Spinner Direct Drive	1
19	21423	21423	Washer - 1/4 Special	6
20	20007	20007	Cap Screw - 1/4-20 x 1-1/2	6
21	20676	20676	Nut - Lock 1/4-20	6
22	*4731	4731	Fin - Formed	6
23	*20003	20003	Cap Screw - 1/4-20 x 3/4	12
24	*20676	20676	Nut - Lock 1/4-20	18
25	*20004	20004	Cap Screw - 1/4 x 7/8	6

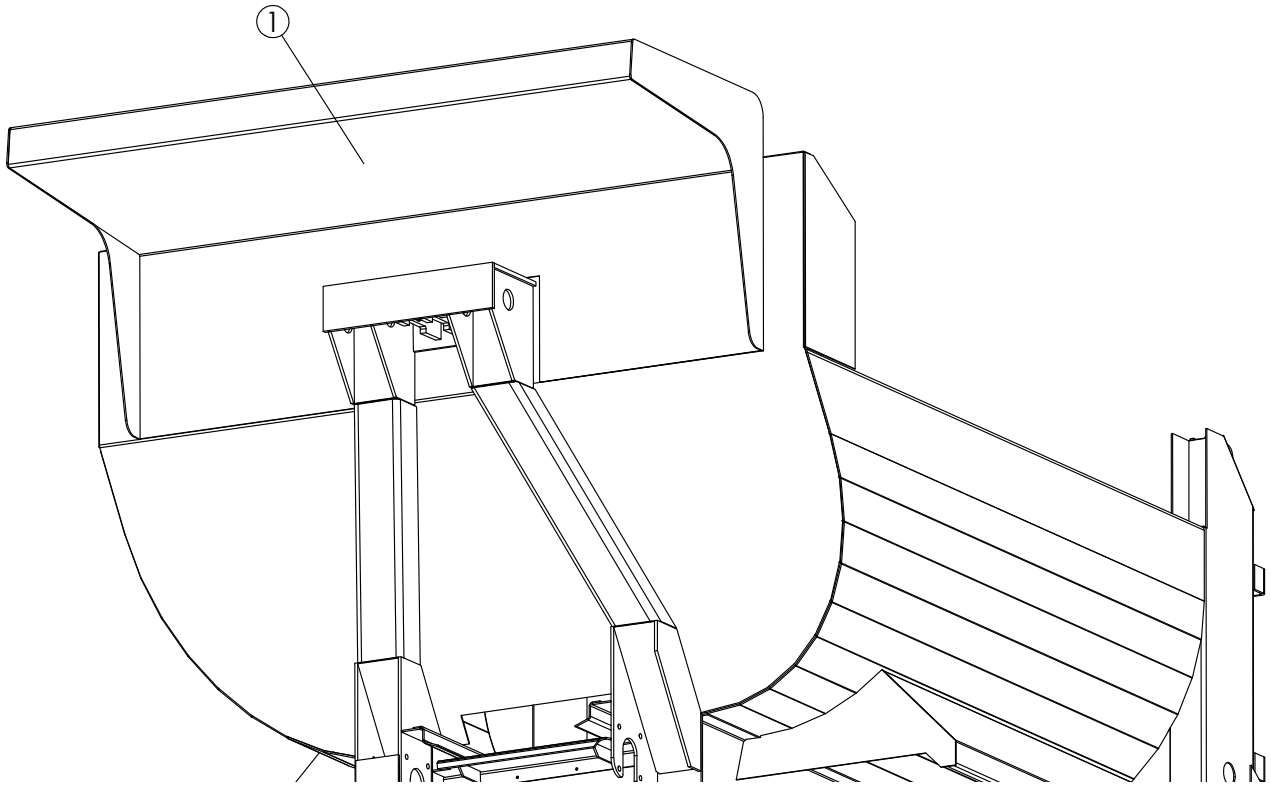
* - Not Shown Items 23-25 used to secure item 22 to item 17

PATCH PAN



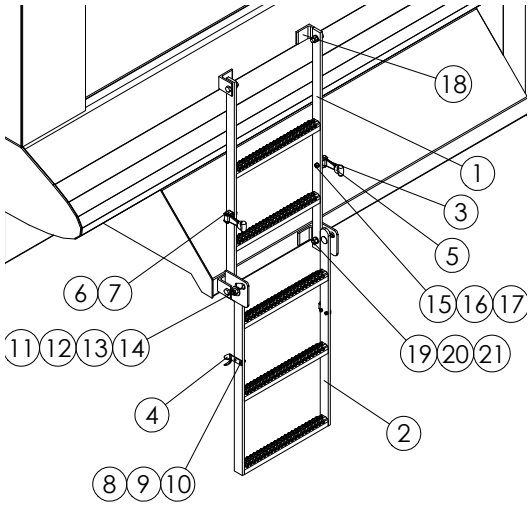
ITEM	PART NO.	DESCRIPTION	QTY
1	88990	Pan – Wldmt Patch	1
2	20129	Cap Screw 1/2 x 1-1/2	2
3	20646	Nut – Hex 1/2	2

CAB SHIELD

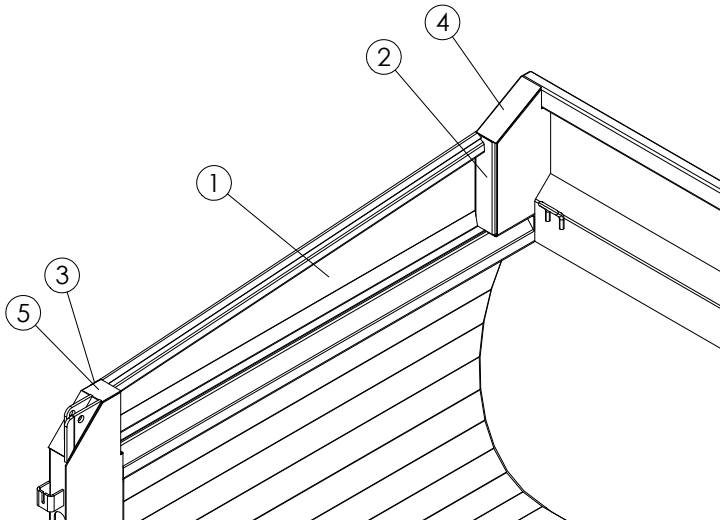


ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1	306261-AA	306262-AA	Cab Shield – Wldmt 78” x 16”	1
	306261-AB	306262-AB	Cab Shield – Wldmt 78” x 22”	1
	306261-AC	306262-AC	Cab Shield – Wldmt 78” x 32”	1
			Cab Shield - Wldmt 78” x 40”	1
	306261-AE	306262-AE	Cab Shield – Wldmt 84” x 16”	1
	306261-AF	306262-AF	Cab Shield – Wldmt 84” x 22”	1
	306261-AG	306262-AG	Cab Shield – Wldmt 84” x 32”	1
	306261-AH	306262-AH	Cab Shield – Wldmt 84” x 40”	1
	306261-AI	306262-AI	Cab Shield – Wldmt 95” x 16”	1
	306261-AJ	306262-AJ	Cab Shield – Wldmt 95” x 22”	1
	306261-AK	306262-AK	Cab Shield – Wldmt 95” x 32”	1
	306261-AL	--	Cab Shield – Wldmt 95” x 40”	1

INSPECTION LADDER

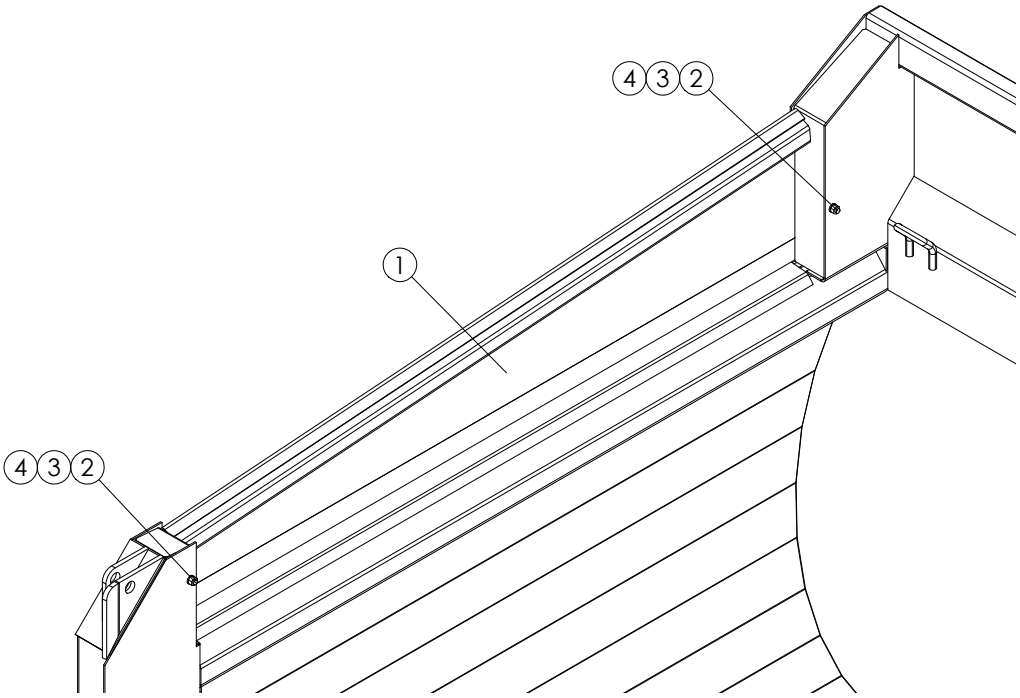


ITEM	PART NO. CS	PART NO. SS	DESCRIPTION	QTY
	89041	300453	Ladder – Kit Inspection	
	97534	97534	Ladder – Kit Inspection CS w/ SS Mount Items 1 – 17 CS & Items 18-21 SS	
1	89043	300454	Ladder – Wldmt Upper	1
2	89044	300456	Ladder – Wldmt Lower	1
3	73344	73344	Bracket – Anchor	2
4	150043	150043	Bracket – Hood	2
5	73343	73343	Hook – Rubber	2
6	20007	42448	Cap Screw – 1/4 x 1-1/2	2
7	20676	42034	Nut – Lock 1/4	2
8	20572	44483	Screw - #10 x 3/4	4
9	20709	44451	Washer – Lock #10	4
10	20641	47295	Nut – Hex #10	4
11	20366	36411	Bolt – Carriage 1/2 x 1-1/2	2
12	20695	36426	Washer – Flat 1/2	2
13	88638	88638	Tube – 3/4 x 3/8	2
14	20680	39016	Nut – Lock 1/2	2
15	20035	300458	Cap Screw – 5/16 x 7/8	2
16	20711	36419	Washer – Lock 5/16	2
17	20643	36413	Nut – Hex 5/16	2
18	89040	97535	Angle – Mount Ladder	4
19	20129	36539	Cap Screw – 1/2 x 1-1/2	4
20	20714	36422	Washer – Lock 1/2	4
21	20646	36416	Nut – Hex 1/2	4



ITEM	PART NO.				DESCRIPTION	QTY
	+0		+6-12 Height			
	CS	SS	CS	SS		
1					Sideboard – Wldmt:	
	89960-AA	97568-AA	97213-AA	97596-AA	LH 9/10	1
	89960-AB	97568-AB	97213-AB	97596-AB	RH 9/10	1
	89960-AC	97568-AC	97213-AC	97596-AC	LH 10/11	1
	89960-AD	97568-AD	97213-AD	97596-AD	RH 10/11	1
	89960-AE	97568-AE	97213-AE	97596-AE	LH 11/12	1
	89960-AF	97568-AF	97213-AF	97596-AF	RH 11/12	1
	89960-AG	97568-AG	97213-AG	97596-AG	LH 12/13	1
	89960-AH	97568-AH	97213-AH	97596-AH	RH 12/13	1
	89960-AI	97568-AI	97213-AI	97596-AI	LH 13/14	1
	89960-AJ	97568-AJ	97213-AJ	97596-AJ	RH 13/14	1
	89960-AK	97568-AK	97213-AK	97596-AK	LH 14/15	1
	89960-AL	97568-AL	97213-AL	97596-AL	RH 14/15	1
2	88778	97571	97215	97598	Channel – 4-1/4 X 2 Long	2
3	88779	97572	97216	97599	Channel – 4-5/16 X 2 Short	2
4	88784	97573	88784	97573	Plate – 4-3/8 X 11-3/4	2
5	88785	97574	88785	97574	Plate – 4-1/4 X 4-1/2	2

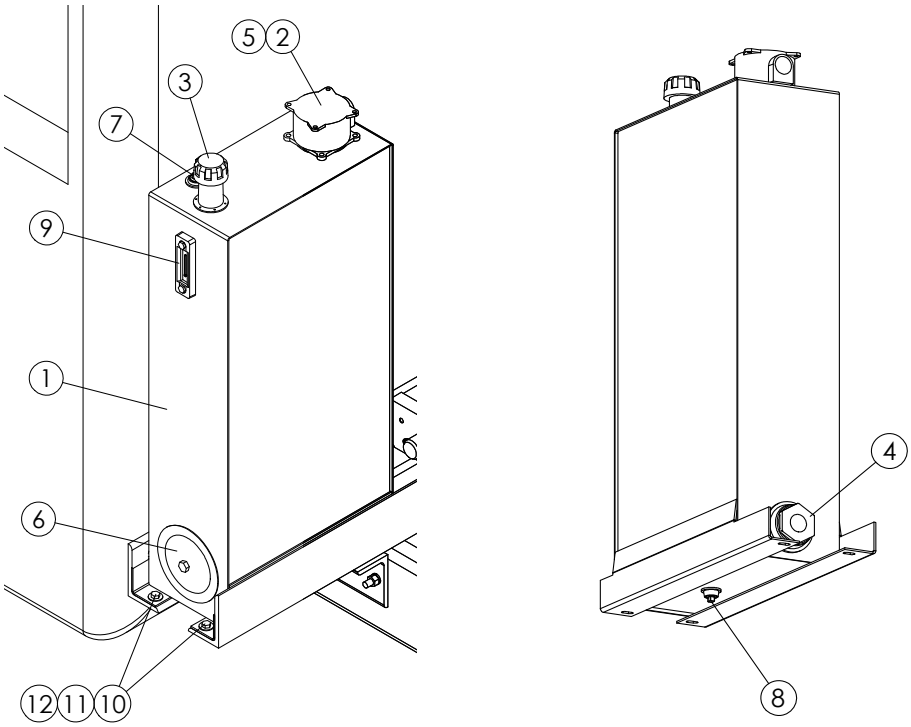
SIDE BOARDS - BOLT-IN



SIDE BOARDS - BOLT-IN CONTINUED

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS 304		
1			Sideboard – Wldmt:	
	302590-AA	302591-AA	LH I & II 9/10	1
	302590-AB	302591-AB	RH I & II 9/10	1
	302590-AC	302591-AC	LH I & II 10/11, III 10	1
	302590-AD	302591-AD	RH I & II 10/11, III 10	1
	302590-AE	302591-AE	LH I & II 11/12, III 11	1
	302590-AF	302591-AF	RH I & II 11/12, III 11	1
	302590-AG	302591-AG	LH I & II 12/13, III 12	1
	302590-AH	302591-AH	RH I & II 12/13, III 12	1
	302590-AI	302591-AI	LH I & II 13/14	1
	302590-AJ	302591-AJ	RH I & II 13/14	1
	302590-AM	302591-AM	LH III 13	1
	302590-AN	302591-AN	RH III 13	1
	302590-AK	302591-AK	LH I & II 14/15, III 14	1
	302590-AL	302591-AL	RH I & II 14/15, III 14	1
	302590-AO	302591-AO	LH III 15	1
	302590-AP	302591-AP	RH III 15	1
	302597-AK	--	LH +6-12 I & II 14/15, III 14	1
	302597-AL	--	RH +6-12 I & II 14/15, III 14	1
2	20145	300302	Cap Screw – 1/2 x 5-1/2	4
3	20714	36422	Washer – Lock 1/2	4
4	20646	36416	Nut – Hex 1/2	4

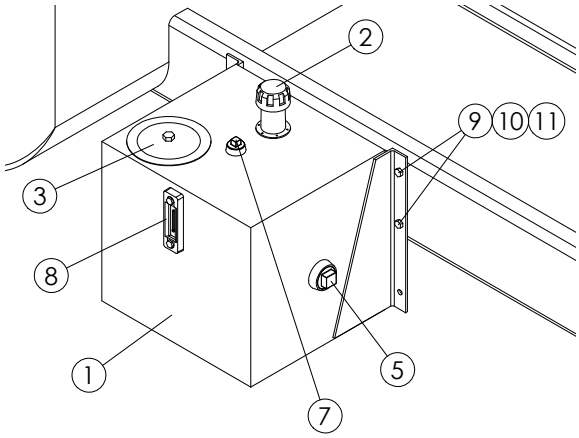
HYDRAULIC RESERVOIR - CRADLE MOUNT

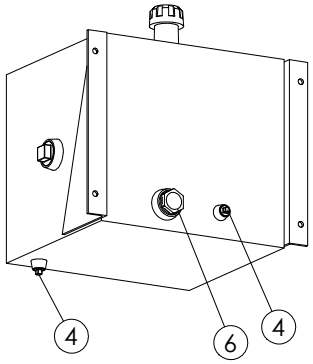


ITEM	PART NO.	DESCRIPTION	QTY
	311083	Reservoir – Assy 40 Gallon Cradle Mount	
1	311084	Reservoir – 40 Gallon Cradle Mount	1
2	88838	Filter – Return	1
	*305066	Filter Element 10 Micron	1
	* 43534	Indicator – Service, Filter	1
3	88839	Filler – Cap Breather	1
4	88840	Filter – Tank External	1
5	96991	Pipe – 8-1/2, Inside Tank	1
6	96996	Cover – Panel	1
7	6034	Plug – Pipe 1	1
8	6033	Plug – Pipe 3/4	1
9	38575	Gauge – Sight & Temperature	1
10	20129-X1	Cap Screw – 1/2 x 1-1/2 GR8	4
11	20695	Washer – Flat 1/2	4
12	20680	Nut – Lock 1/2	4
	96992	Hardware – Kit, Includes 10-12	

* - Not Shown

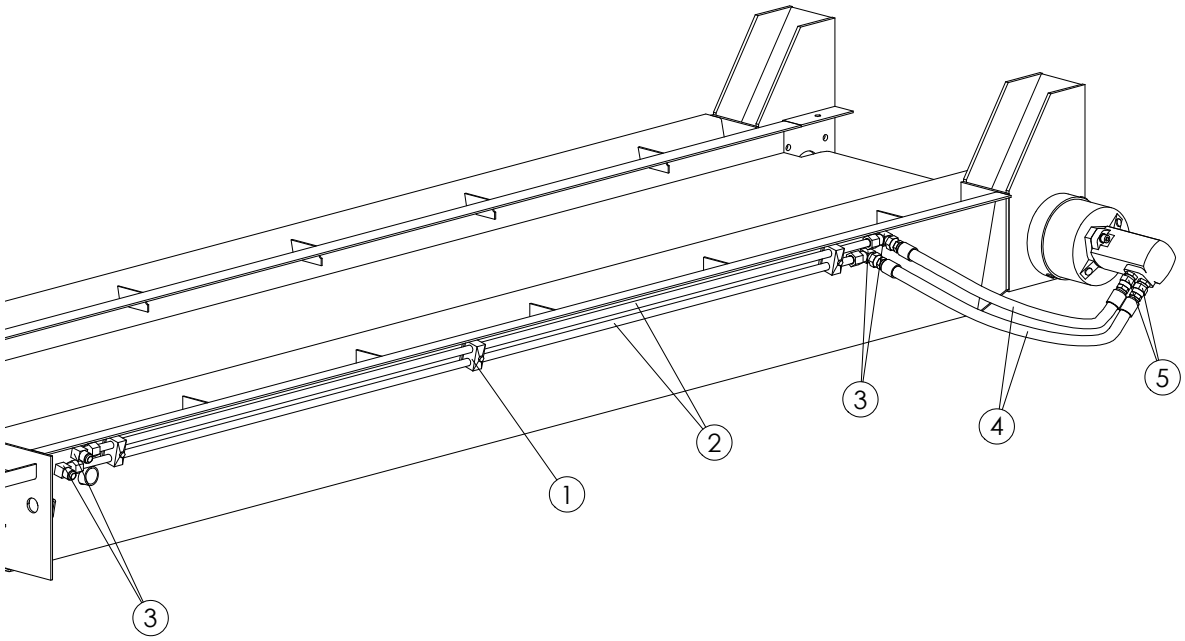
HYDRAULIC RESERVOIR - FRAME MOUNT





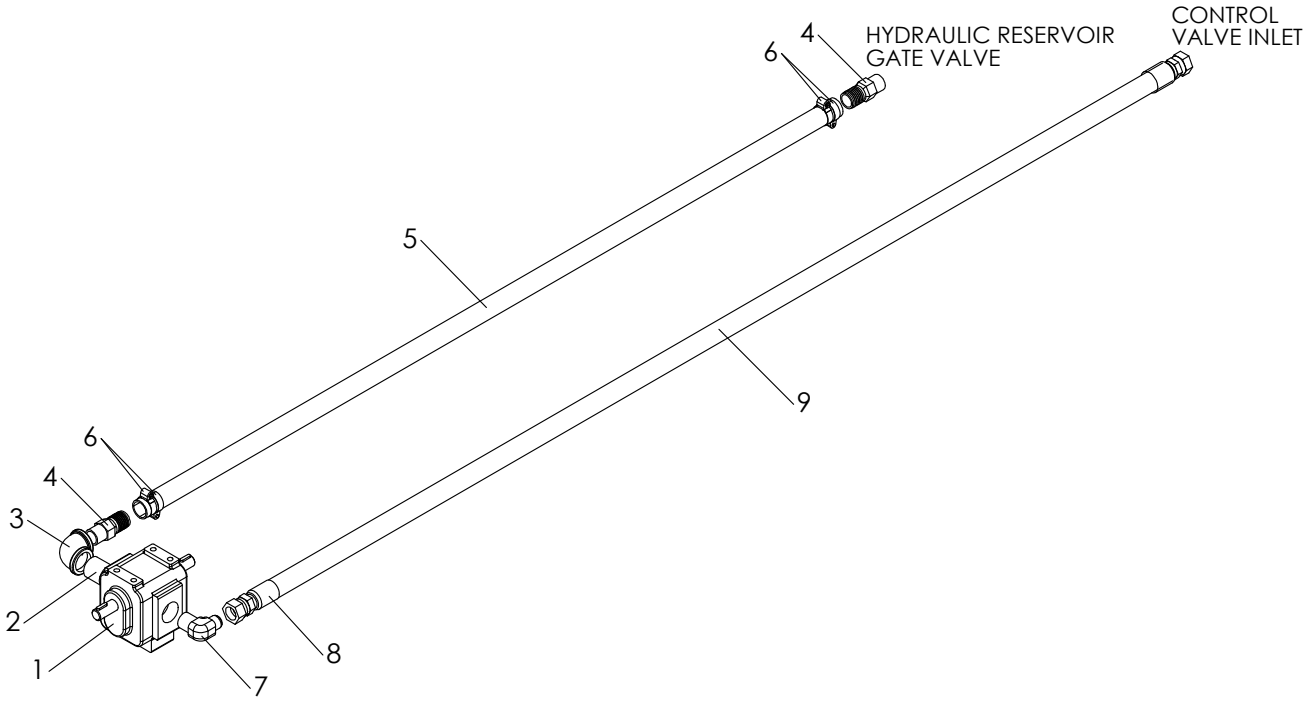
ITEM	PART NO.	DESCRIPTION	QTY
	96997	Reservoir – Assy Frame Mount	
1	96999	Reservoir – Frame Mount	1
2	96995	Filler – Cap Breather	1
3	96996	Cover – Panel	1
4	6033	Plug – Pipe 3/4	2
5	6321	Plug – Pipe 2	2
6	96994	Filter – Tank External	1
7	6035	Plug – Pipe 1-1/4	1
8	38575	Gauge – Sight & Temperature	1
9	20129-X1	Cap Screw – 1/2 x 1-1/2 GR8	4
10	20695	Washer – Flat 1/2	4
11	20680	Nut – Lock 1/2	4
	96992	Hardware – Kit, Includes 5-7	

HYDRAULICS - BODY SIDE



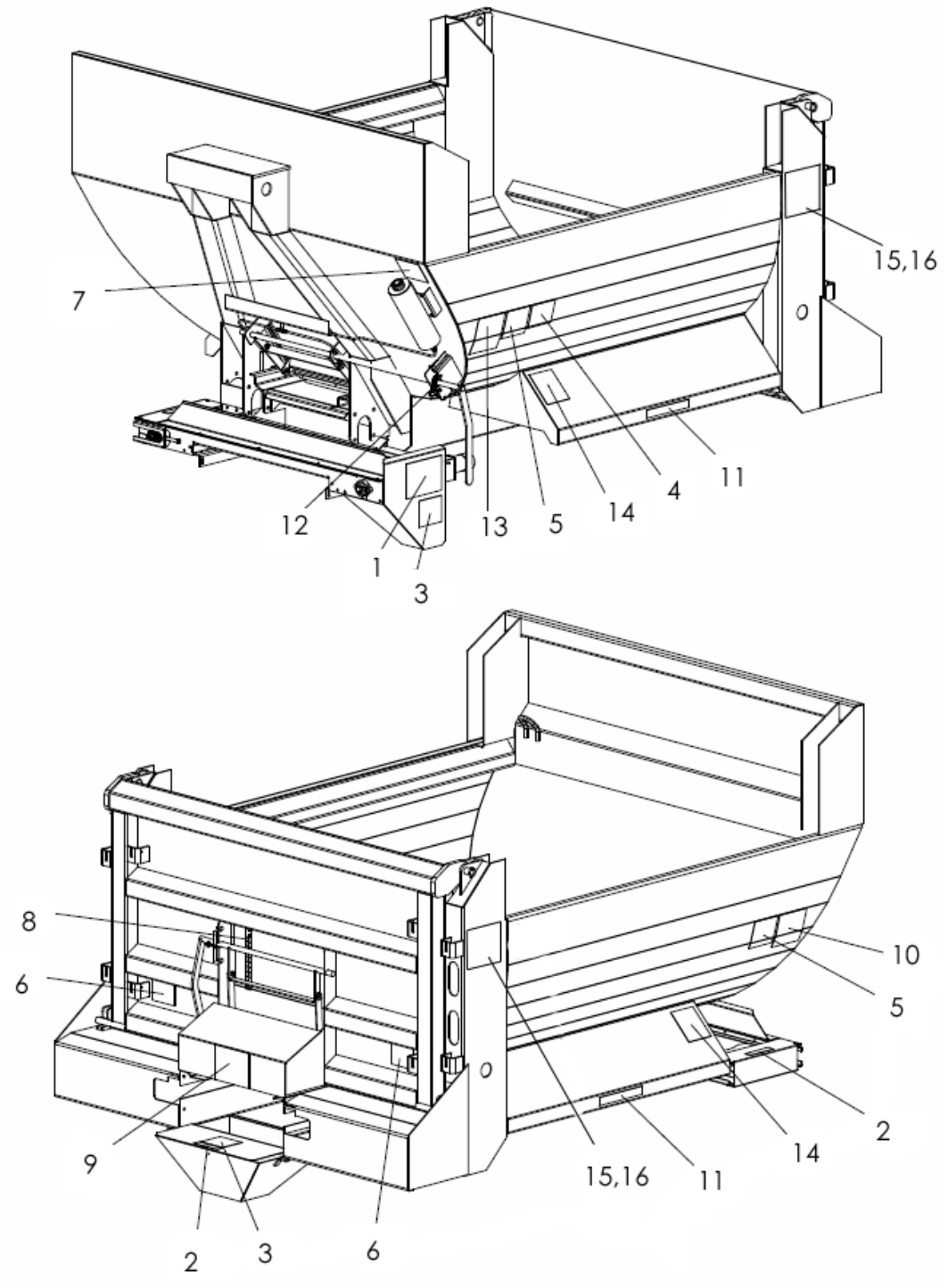
ITEM	PART NO.	DESCRIPTION	QTY
1	75036	Clamp – Tubing 3/4	AR
2	89710-AA	Tube – Assy 9/10	2
	89710-AB	Tube – Assy 10/11	2
	89710-AC	Tube – Assy 11/12	2
	89710-AD	Tube – Assy 12/13	2
	89710-AE	Tube – Assy 13/14	2
	89710-AF	Tube – Assy 14/15	2
3	29785	Adapter – Elbow	4
4	307459	Hose – Assy 3/4 100R2 x 33	2
5	29753	Adapter – Connector	2

AR - As Required



ITEM	PART NO.	DESCRIPTION	QTY
1	24759-X1	Pump – Transmission PTO	1
	* 3904	Repair Kit – Pump	1
2	6028	Nipple – Close	1
3	6011	Adapter – Elbow	1
4	16582	End – Hose	2
5	23184-72	Hose	1
6	6335	Clamp – Hose	4
7	29794	Adapter – Elbow	1
8	56509	Fitting – Hose	1
9	29632	Hose Assy, Valve at Cab	1
	29723	Hose Assy, Valve at Rear	1

* - Not Shown


15,16
7
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15,16
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2
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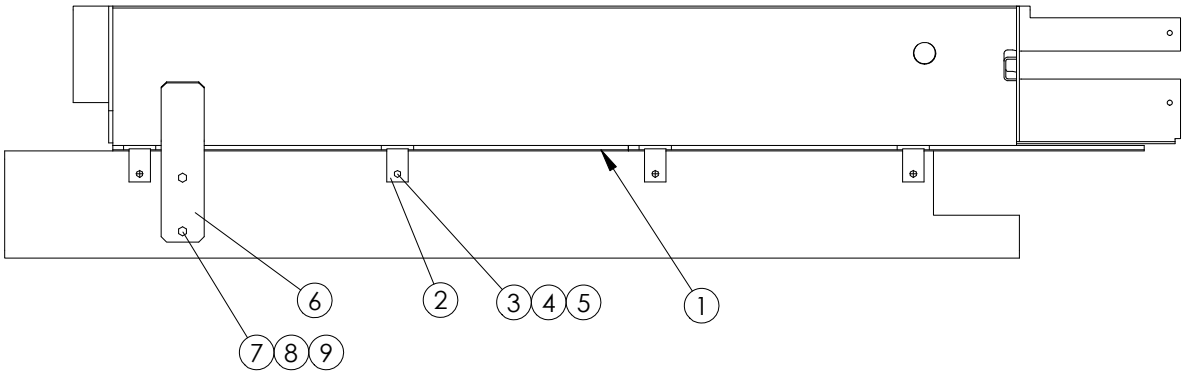
6

DECALS CONTINUED

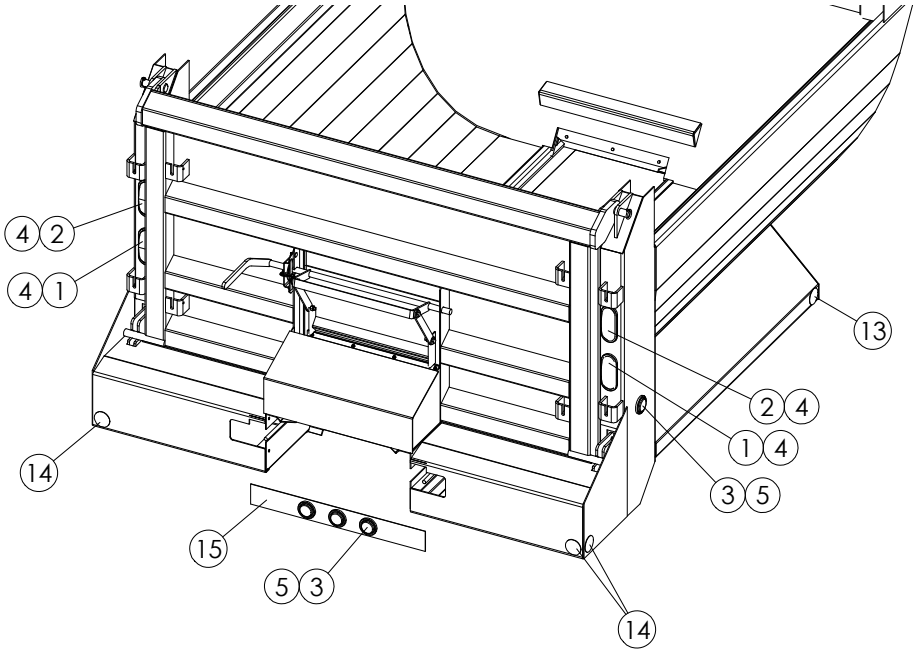
ITEM	PART NO.	DESCRIPTION	QTY
1	368	Decal – Danger Flying Material Hazard	1
2	39017	Decal – No Step	1
3	55630	Decal – Warning Falling Hazard	1
4	321	Decal – Caution Hazardous Material	1
5	364	Decal – Danger Moving Part Hazard	2
6	366	Decal – Warning Moving Part Hazard	2
7	21476	Decal – Notice Conveyor Chain Life	2
8	96706	Decal – Scale Rear Feedgate	1
9	368	Decal – Danger Flying Material Hazard	1
10	39138	Decal – Warning High Pressure Hazard	1
11	39200	Decal – Warning Slipping Hazard	2
12	96710	Decal – Scale Front Feedgate	1
13	150034	Decal – Caution Operation & Maintenance	1
14	96712	Decal – Danger Crushing Hazard	2
15	88691	Decal – Hi-Way XT3 (Black)	2
	307179	Decal - Hi-Way XT3 (White)	2
16	39870	Decal - Hi-Way Large (Black)	2
	90639	Decal - Hi-Way Large (White)	2
16	* 96704	Decal – Danger Crushing Hazard, On Front Truck Rails	2
17	* 96715	Decal – Caution Raised Body, In Truck Cab	1
18	*96716	Decal – Caution Operation Safety, In Truck Cab	1
19	* 8665	Decal – Important Hydraulic Oil, On Reservoir	1

* - Not Shown



ITEM	PART NO.	DESCRIPTION	QTY
1	89974	Pad – Mount	AR
2	89977	Angle – Mount	AR
3	20068	Cap Screw – 3/8 x 1-1/4	AR
4	20712	Washer – Lock 3/8	AR
5	20644	Nut – Hex 3/8	AR
6	88926	Guide – Body Down	2
7	89522	Cap Screw – 1/2 x 1-3/4 GR 8	4
8	20714	Washer – Lock 1/2	4
9	89643	Nut – Hex 1/2 GR 8	4

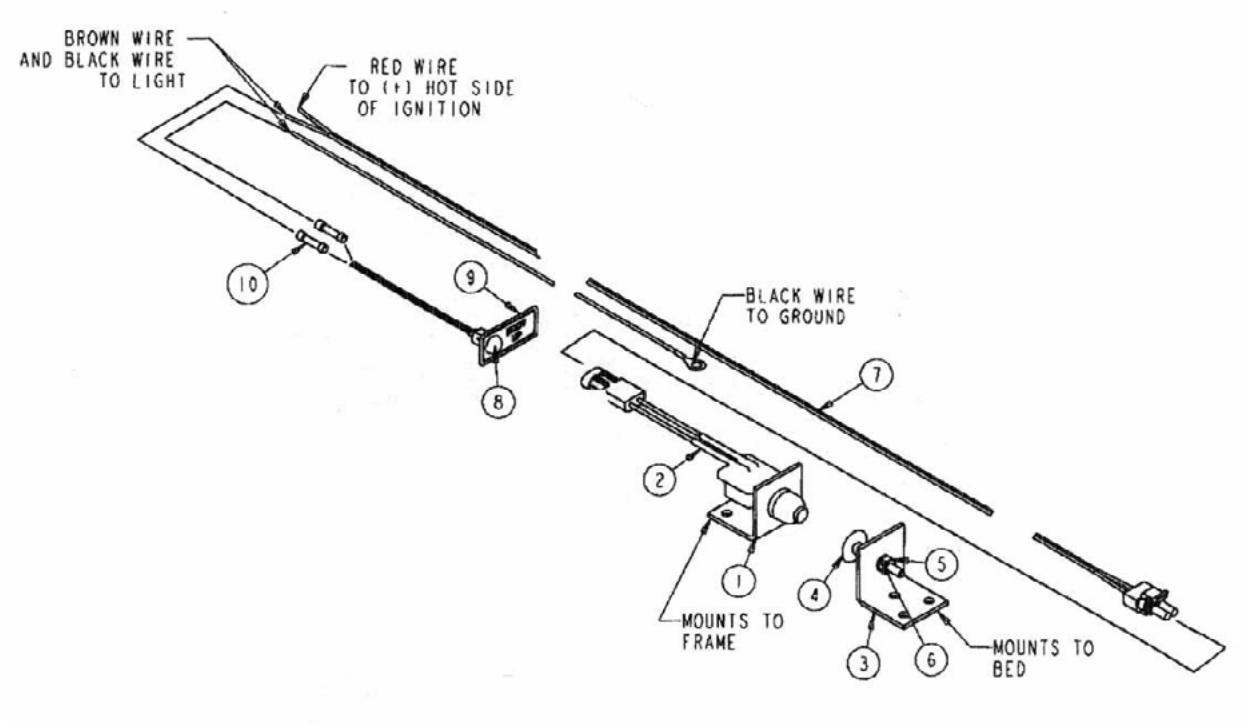
AR - As Required



ITEM	PART NO.	DESCRIPTION	QTY
1	89988	Light – Red Oval	2
	97633	Light – Red Oval LED	2
2	89989	Light – Yellow Oval	2
	97634	Light – Yellow Oval LED	2
3	89990	Light – Red Round	5
	97635	Light – Red Round LED	5
4	89991	Grommet – Oval	4
5	89992	Grommet – Round	5
6	* 89993	Junction Box	1
7	* 89994	Fitting – Compression	1
8	* 89995	Fitting – Compression	2
9	* 89996	Fitting – Compression	1
10	* 89997	Harness	1
11	* 89998	Harness – RH	1
12	* 89999	Harness – LH	1
13	89978	Reflector – Yellow	2
14	89979	Reflector – Red	4
15	88688	Bar – 3-Light Cluster	1
16	* 97636	Adapter – LED only	1

* - Not Shown

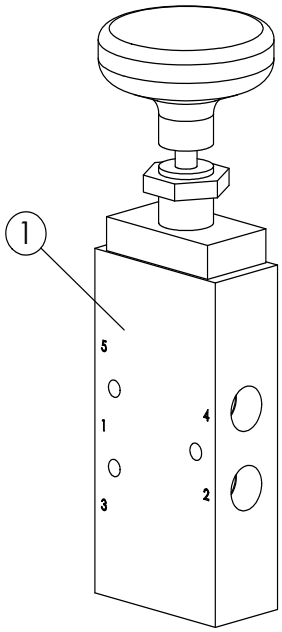
BODY-UP INDICATOR



ITEM	PART NO.	DESCRIPTION	QTY
	97138	Indicator – Kit Body-Up Switch, Includes	1
1	NSS	Bracket – Frame	1
2	NSS	Switch – Body-Up	1
3	NSS	Bracket – Stop	1
4	NSS	Bolt – Elevator	1
5	NSS	Nut	1
6	NSS	Washer	1
7	NSS	Harness – Wiring	1
8	NSS	Light – Indicator	1
9	NSS	Decal – Body-Up	1
10	NSS	Connector	2

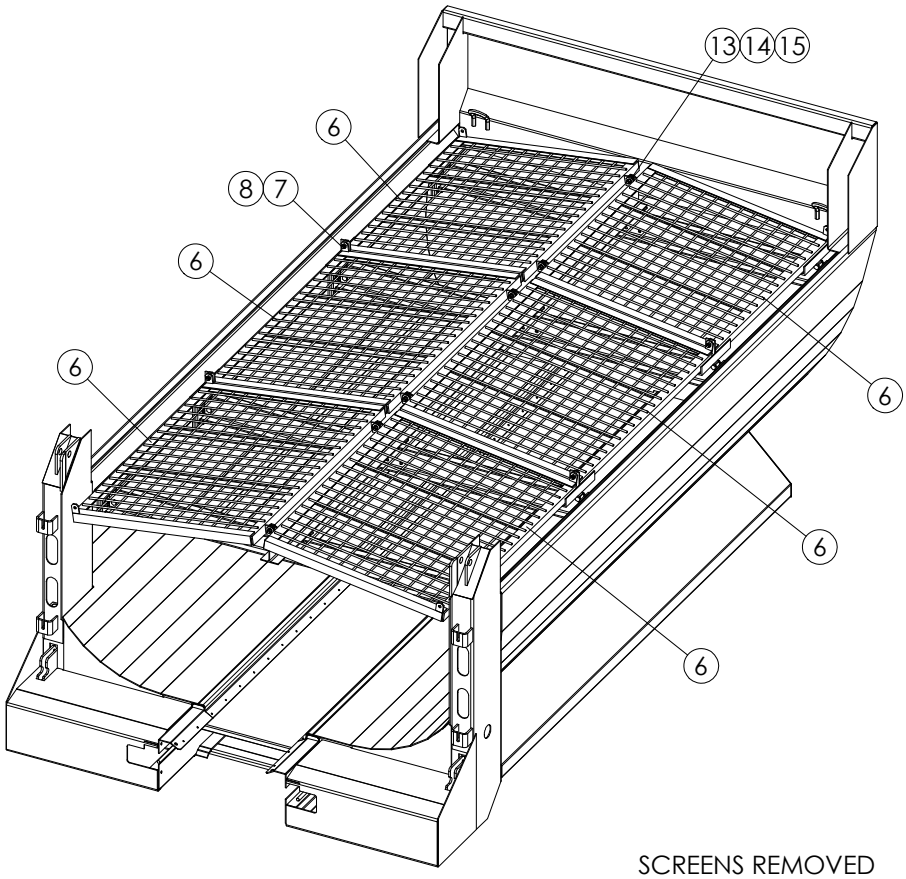
NSS - Not Serviced Separately

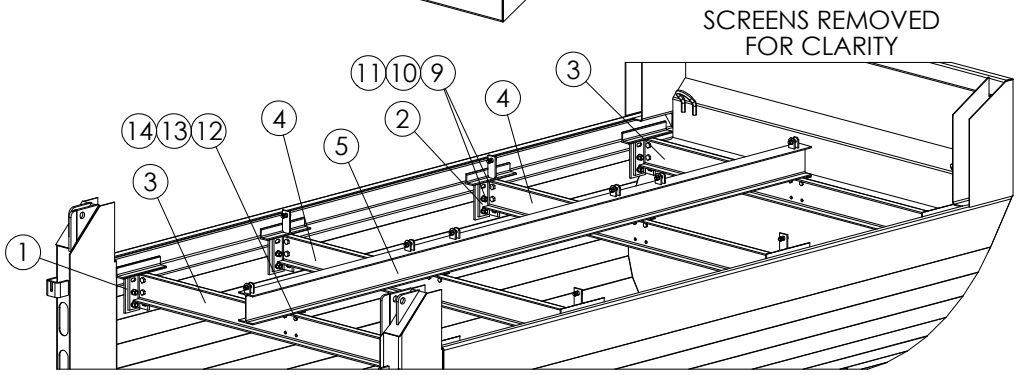
PARTS LIST



ITEM	PART NO.	DESCRIPTION	QTY
1	96691	Valve – Air, 4-Way 3-Position	1
2	* 96692	Install – Kit Hose & Fittings, Includes	1
	NSS	Tube – Nylon 100’	1
	NSS	Elbow – 90°	2
	NSS	Bushing - Reducer	2
	NSS	Elbow – 90° Tube	2
	NSS	Elbow – 90° Swivel	1

* - Not Shown NSS - Not Serviced Separately

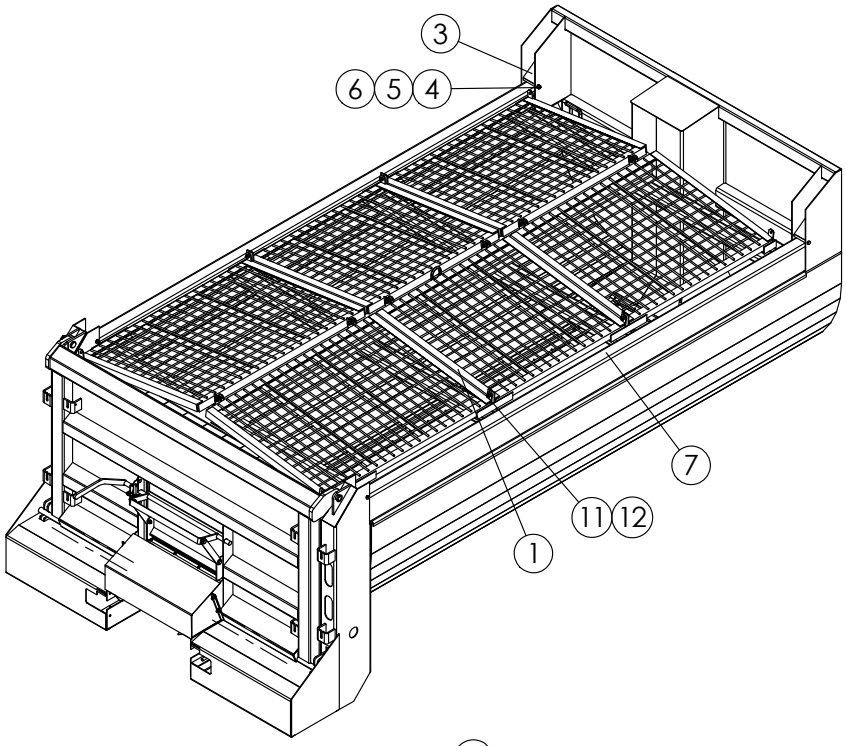


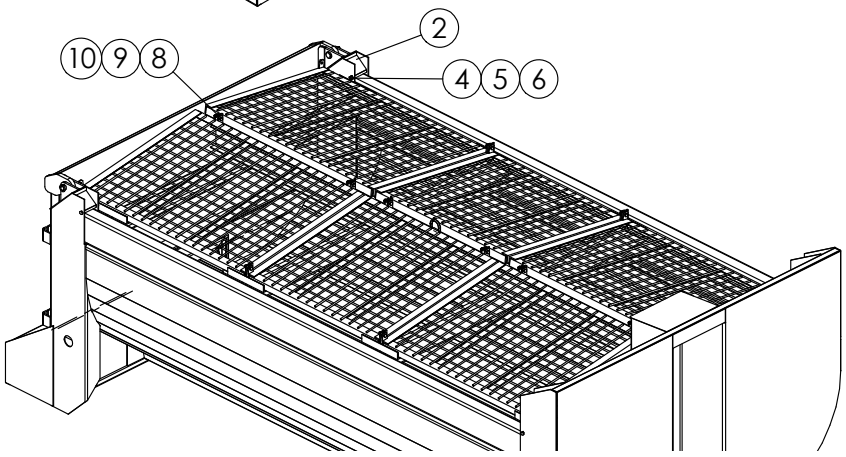


UNIT LENGTH	FRONT	MIDDLE	REAR
09/10	NA	44.5”	56.5”
10/11	NA	56.5”	56.5”
11/12	NA	68.5”	56.5”
12/13	NA	68.5”	68.5”
13/14	49”	44.5”	56.5”
14/15	49”	56.5”	56.5”

ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	98224	98225	Plate – Hanger Screen	AR
2	98226	98226	Angle – Hanger Screen	AR
3	98229-AA	98229-AA	Crossbar – Wldmt Screen Ends	2
4	98229-AB	98229-AB	Crossbar – Wldmt Screen w/ Tiedown	AR
5	98233-AA	98233-AA	Ridgepole – Wldmt Screen 09/10	1
	98233-AB	98233-AB	Ridgepole – Wldmt Screen 10/11	1
	98233-AC	98233-AC	Ridgepole – Wldmt Screen 11/12	1
	98233-AD	98233-AD	Ridgepole – Wldmt Screen 12/13	1
	98233-AE	98233-AE	Ridgepole – Wldmt Screen 13/14	1
	98233-AF	98233-AF	Ridgepole – Wldmt Screen 14/15	1
6	98237-AA	89237-AA	Screen – Wldmt 44.5”	AR
	98237-AB	98237-AB	Screen – Wldmt 56.5”	AR
	98237-AC	98237-AC	Screen – Wldmt 68.5”	AR
	98237-AD	98237-AD	Screen – Wldmt 49”	AR
7	20130	71832	Cap Screw – 1/2 x 1-3/4	AR
8	20680	39016	Nut – Lock 1/2	AR
9	20175	58800	Cap Screw – 5/8 x 1-1/2	AR
10	20716	40597	Washer – Lock 5/8	AR
11	20648	36417	Nut – Hex 5/8	AR
12	20128	36402	Cap Screw – 1/2 x 1-1/4	AR
13	20714	36422	Washer – Lock 1/2	AR
14	20646	36416	Nut – Hex 1/2	AR
15	20131	36403	Cap Screw – 1/2 x 2	AR

AR - As Required



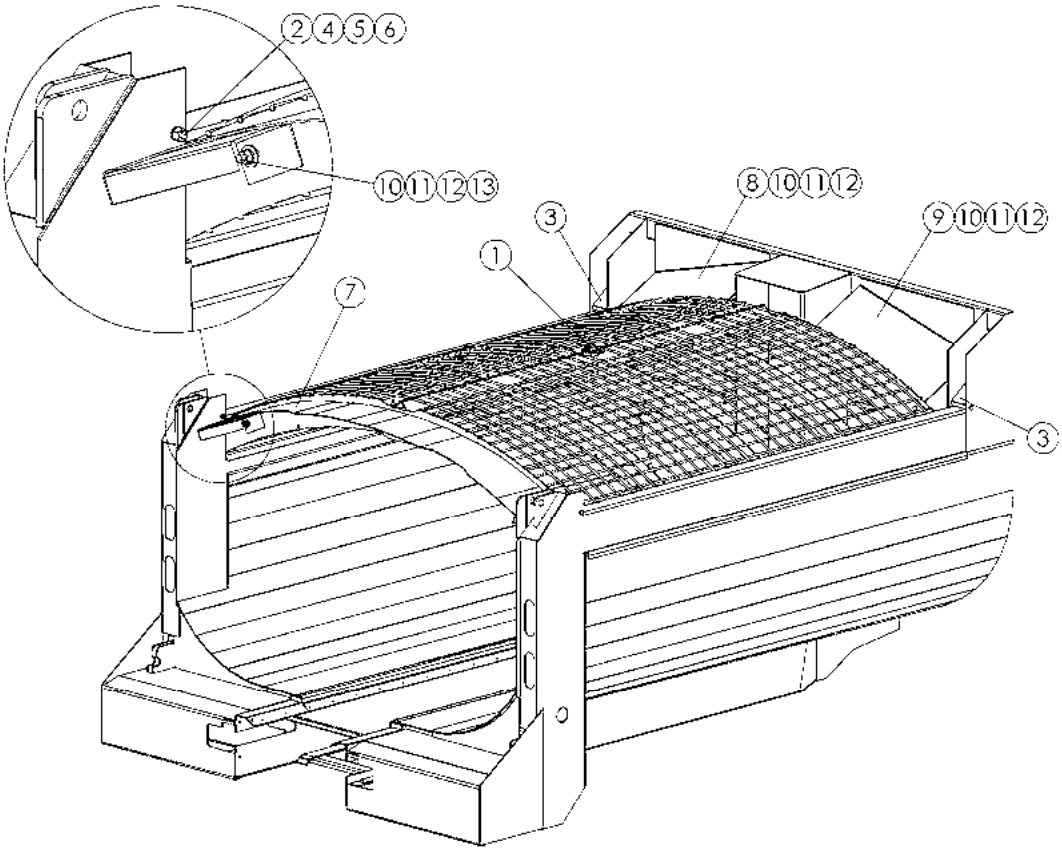


UNIT		FRONT	MIDDLE	REAR
I & II	III			
09/10	10	44.5”	56.5”	NA
10/11	11	56.5”	56.5”	NA
11/12	12	56.5”	68.5”	NA
12/13	13	68.5”	68.5”	NA
13/14	14	49”	44.5”	56.5”
14/15	15	49”	56.5”	56.5”

SCREENS - SINGLE LIFT CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
1	301831-AA	Screen – Wldmt 42 x 44.5	AR
	301831-AB	Screen – Wldmt 42 x 56.5	AR
	301831-AC	Screen – Wldmt 42 x 68	AR
	301831-AD	Screen – Wldmt 42 x 49	AR
2	301432	Spacer – Wldmt Rear	2
3	301431	Spacer – Wldmt Front	2
4	20145	Cap Screw – 1/2 x 5-1/2	4
5	20714	Washer – Lock 1/2	4
6	20646	Nut – Hex 1/2	4
7	301578-AG	Frame – Wldmt Screen I & II 09/10	1
	301578-AA	Frame – Wldmt Screen III 10	1
	301578-AH	Frame – Wldmt Screen I & II 10/11	1
	301578-AB	Frame – Wldmt Screen III 11	1
	301578-AI	Frame – Wldmt Screen I & II 11/12	1
	301578-AC	Frame – Wldmt Screen III 12	1
	301578-AJ	Frame – Wldmt Screen I & II 12/13	1
	301578-AD	Frame – Wldmt Screen III 13	1
	301578-AK	Frame – Wldmt Screen I & II 13/14	1
	301578-AE	Frame – Wldmt Screen III 14	1
	301578-AL	Frame – Wldmt Screen I & II 14/15	1
	301578-AF	Frame – Wldmt Screen III 15	1
8	20131	Cap Screw – 1/2 x 2	AR
9	20714	Washer – Lock 1/2	AR
10	20646	Nut – Hex 1/2	AR
11	20130	Cap Screw – 1/2 x 1-3/4	AR
12	20680	Nut – Lock 1/2	AR

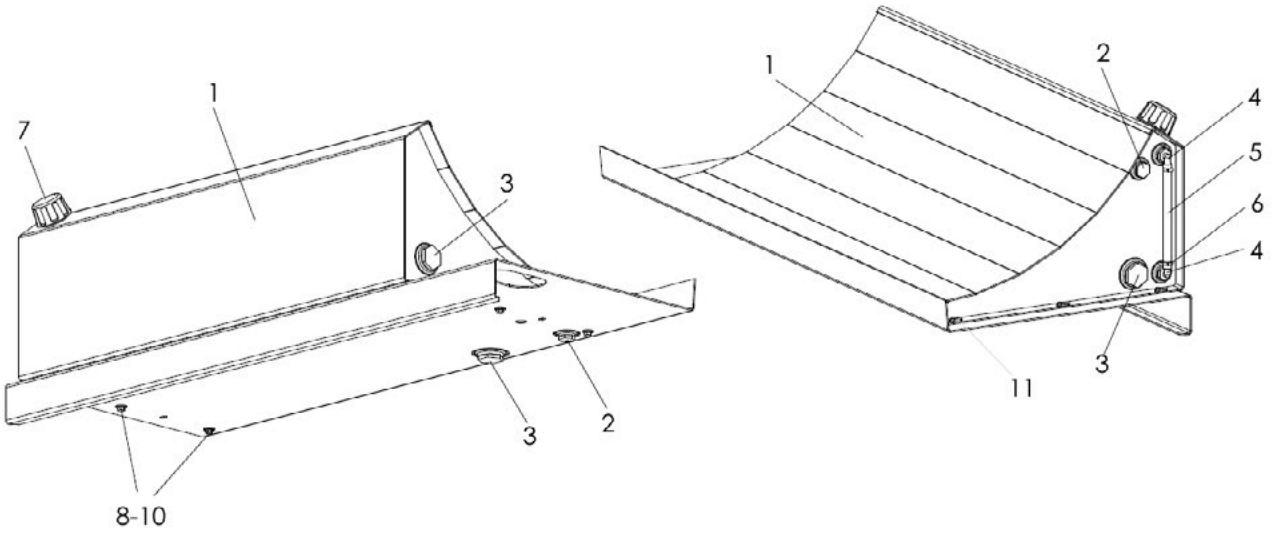
AR - As Required


2 4 5 6
10 11 12 13
8 10 11 12
9 10 11 12
3
1
7
3

SCREENS - DOMED CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
	301584	Hardware – Kit Screens, Includes 4-6	
	303406	Hardware – Kit Deflectors, Includes 10-13	
1	301421-AA	Screen - Wldmt Domed 96”	1
1	301421-AA	Screen – Wldmt Domed 108”	1
	301421-AB	Screen – Wldmt Domed 120”	1
	301421-AC	Screen – Wldmt Domed 132”	1
	301421-AD	Screen – Wldmt Domed 144”	1
	301421-AE	Screen – Wldmt Domed 158”	1
	301421-AF	Screen – Wldmt Domed 108”	1
2	301432	Spacer – Wldmt Rear	2
3	301431	Spacer – Wldmt Front	2
4	20145	Cap Screw – 1/2-13x 5-1/2	4
5	20714	Washer – Lock 1/2	4
6	20646	Nut – Hex 1/2	4
7	303403	Deflector – Screens Rear	1
8	303404-AA	Deflector – Screens Front LH	1
9	303404-AB	Deflector – Screens Front RH	1
10	20128	Cap Screw – 1/2-13 x 1-1/4	11
11	20695	Washer – Flat 1/2	11
12	20714	Washer – Lock 1/2	11
13	20646	Nut – Hex 1/2	11

PRE-WET RESERVOIR - FENDER MOUNT

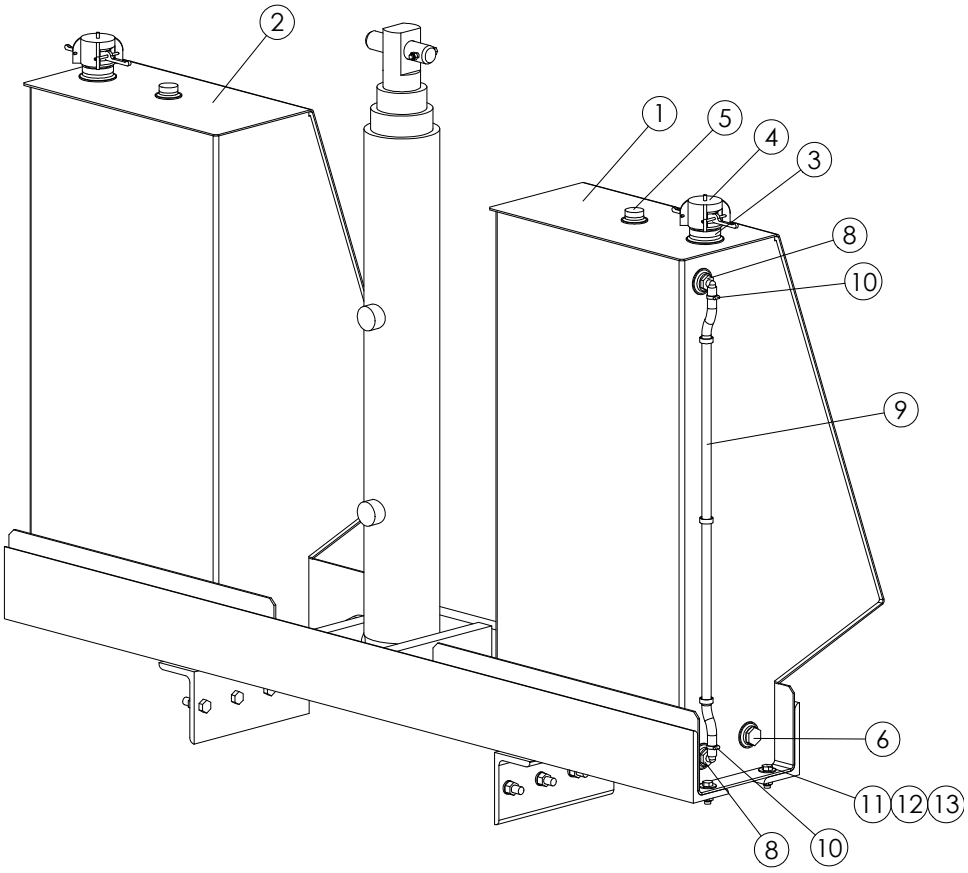


PRE-WET TANK - FENDER MOUNT CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
	300479-AA	Tank – Assy Fender 35 Gal. LH, Includes 1-7	
	300479-AB	Tank – Assy Fender 35 Gal. RH, Includes 1-7	
	300479-AC	Tank – Assy Fender 65 Gal. LH, Includes 1-7	
	300479-AD	Tank – Assy Fender 65 Gal. RH, Includes 1-7	
	300479-AE	Tank – Assy Fender 95 Gal. LH, Includes 1-7	
	300479-AF	Tank – Assy Fender 95 Gal. RH, Includes 1-7	
1	300481-AA	Tank – Wldmt Fender 35 Gal. LH	1
	300481-AB	Tank – Wldmt Fender 35 Gal. RH	1
	300481-AC	Tank – Wldmt Fender 65 Gal. LH	1
	300481-AD	Tank – Wldmt Fender 65 Gal. RH	1
	300481-AE	Tank – Wldmt Fender 95 Gal. LH	1
	300481-AF	Tank – Wldmt Fender 95 Gal. RH	1
2	98207	Plug – Pipe Poly 3/4	2
3	98208	Plug – Pipe Poly 1-1/2	3
4	98209	Fitting – 90° Elbow Poly	2
5	50977	Tube – Flex	1
6	98210	Clamp – Hose 1/2 – 1	2
7	98922	Cap – Filler Breather	1
8	34858	Cap Screw – 3/8 x 1-1/2	6
9	36425	Washer – Flat 3/8	6
10	36420	Washer – Lock 3/8	6
11	36414	Nut - 3/8-16	6
12	*98944	Pad - Pre-Wet Mounting	2

* - Not Shown

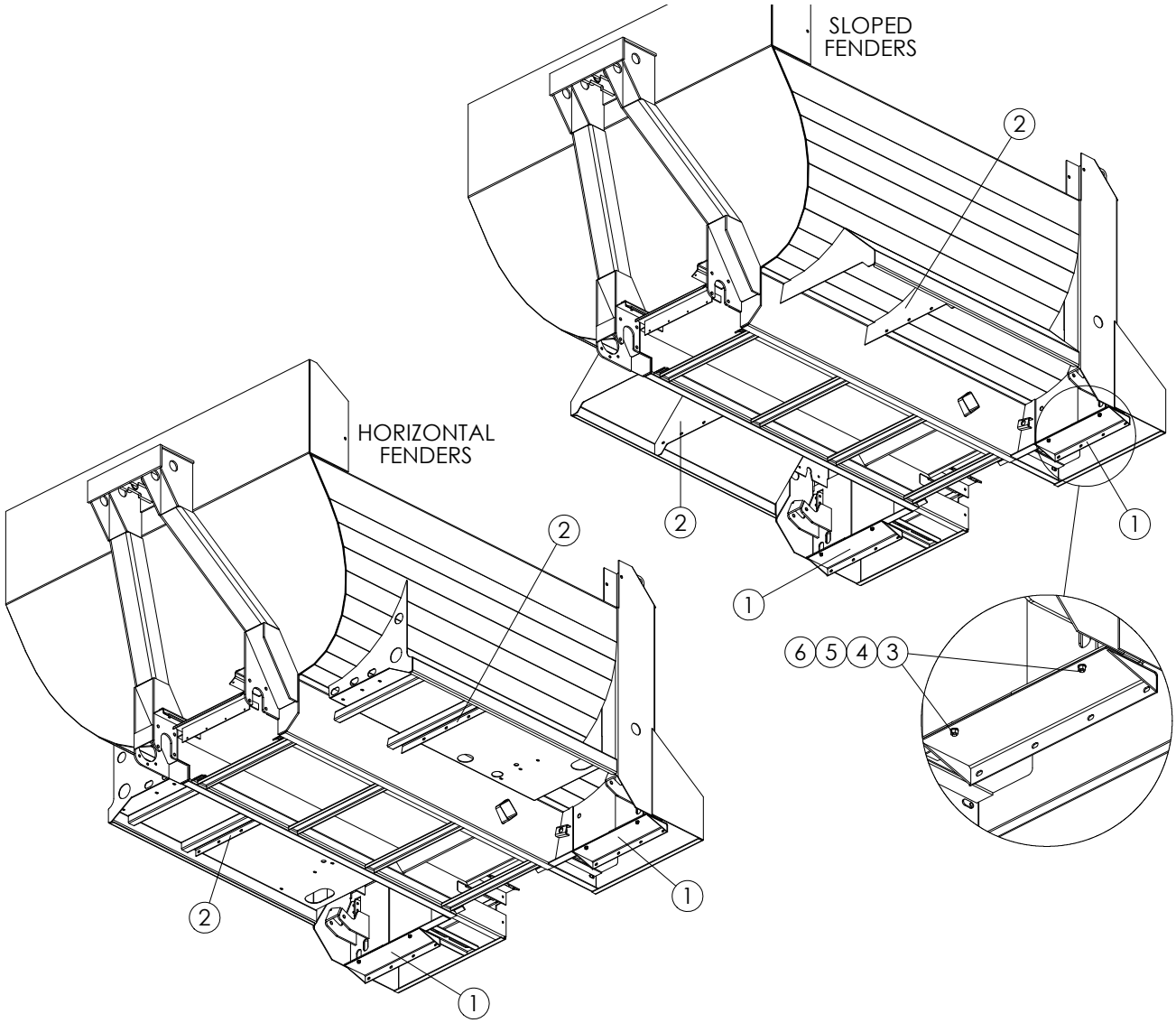
PRE-WET RESERVOIR - CRADLE MOUNT



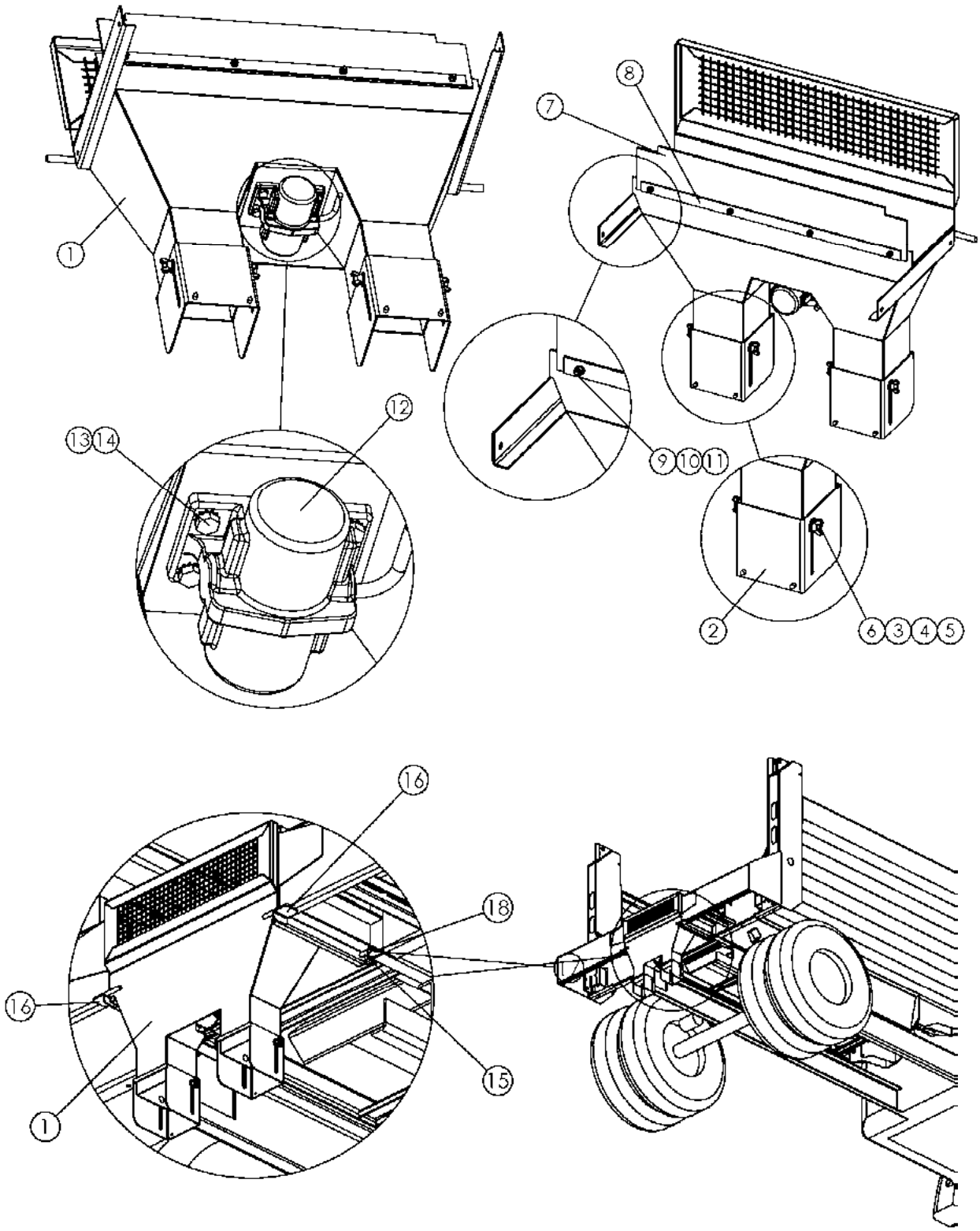
ITEM	PART NO.	DESCRIPTION	QTY
1	97696-AA	Tank – Wldmt Pre-Wet 60 Gal. LH	1
2	97696-AB	Tank – Wldmt Pre-Wet 60 Gal. RH	1
3	98204	Coupling	1 EA
4	98205	Cap – Camlock	1 EA
5	98206	Cap – Vent Filter	1 EA
6	98207	Plug – Pipe Poly 3/4	1 EA
7	* 98208	Plug – Pipe Poly 1-1/2 (Bottom)	1 EA
8	98209	Fitting – Poly	2 EA
9	50977-39	Tube – Flex 1/2 ID x 1/8 Th. x 39 Clear	1 EA
10	98210	Clamp – Hose 1/2	2 EA
11	20129-X1	Cap Screw – 1/2 x 1-1/2 GR 8	8
12	20695	Washer – Flat 1/2	8
13	20680	Nut – Lock 1/2	8

* - Not Shown

MUDFLAP BRACKETS



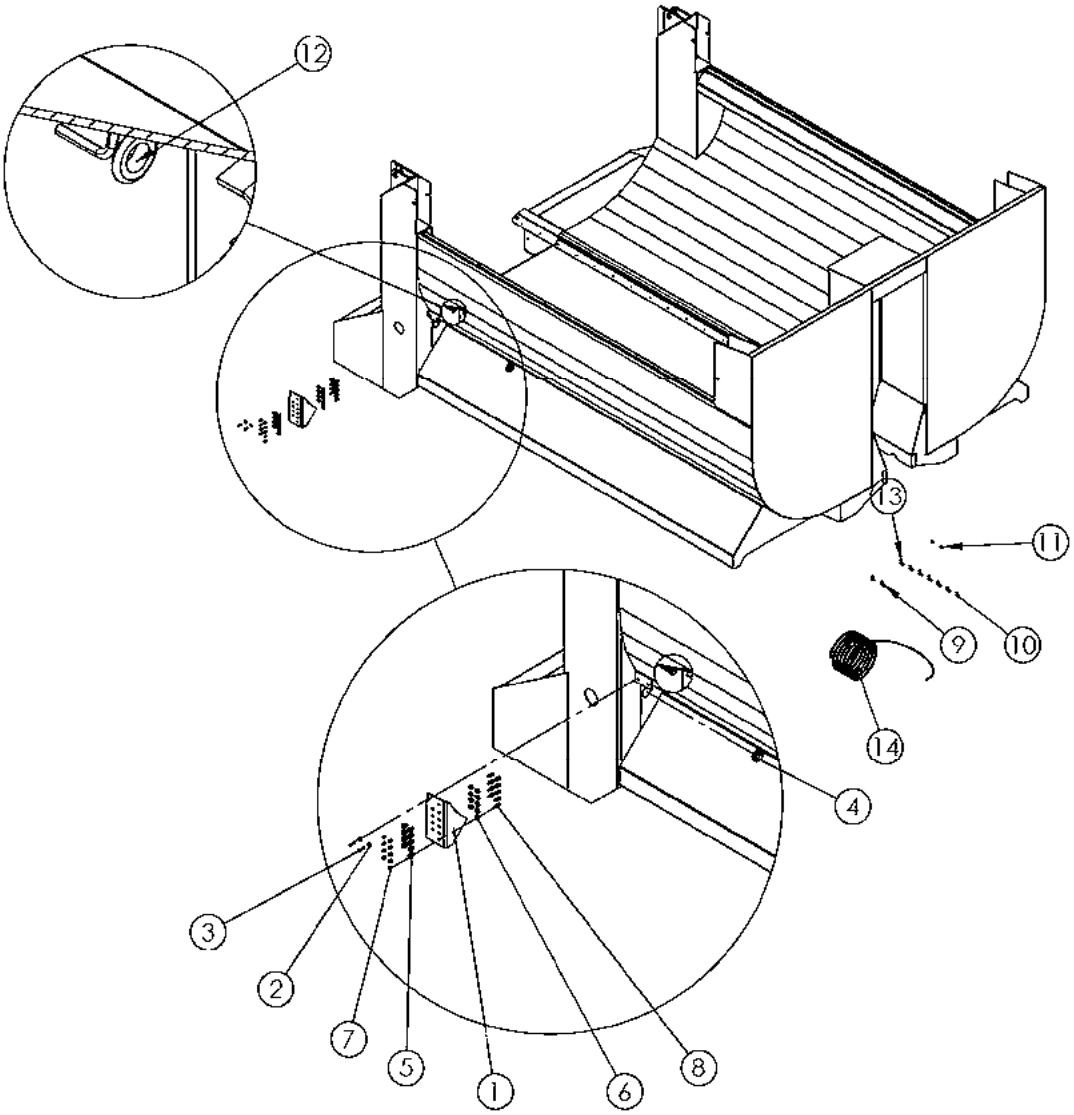
ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	303064	303065	Bracket – Wldmt Mudflap Rear	2
2	302604	302611	Plate – Mudflap Front Sloped	2
	303070-AA	303071-AA	Plate – Mudflap Front Horizontal LH	1
	303070-AB	303071-AB	Plate – Mudflap Front Horizontal RH	1
3	20067	36398	Cap Screw – 3/8-16 x 1	4
4	20693	36425	Washer – Flat 3/8	4
5	20712	36420	Washer – Lock 3/8	4
6	20644	36414	Nut – Hex 3/8-16	4


1
8
7
12
13 14
9 10 11
2
6 3 4 5
16
18
16
15
1

SAND BAGGER CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY
	306977	Sand Bagger – Assy 304, Includes 1-14	
1	306978	Sand Bagger – Wldmt 304	1
2	306995	Extension – Wldmt 304	2
3	36425	Washer – Flat 3/8 SS	4
4	36420	Washer – Lock 3/8 SS	4
5	20673	Nut – Wing 3/8 SS	4
6	36408	Bolt – Carriage 3/8 x 1 SS	4
7	88994	Belt – Wiper Rear Outer	1
8	88652	Retainer – Sealer Feedgate	1
9	36394	Cap Screw – 1/4 x 7/8 SS	4
10	36418	Washer – Lock 1/4 SS	4
11	36412	Nut – Hex 1/4 SS	4
12	306993	Vibrator – DC-40	1
13	22793	Washer – Shakeproof 3/8	4
14	36398	Cap Screw – 3/8 x 1 SS	4
15	97539	Pipe – 1/4 x 1-1/4 304	2
16	306983	Angle – Support 304	2
17	79654	Pin – Clevis	2
18	41779	Pin - Hair	2

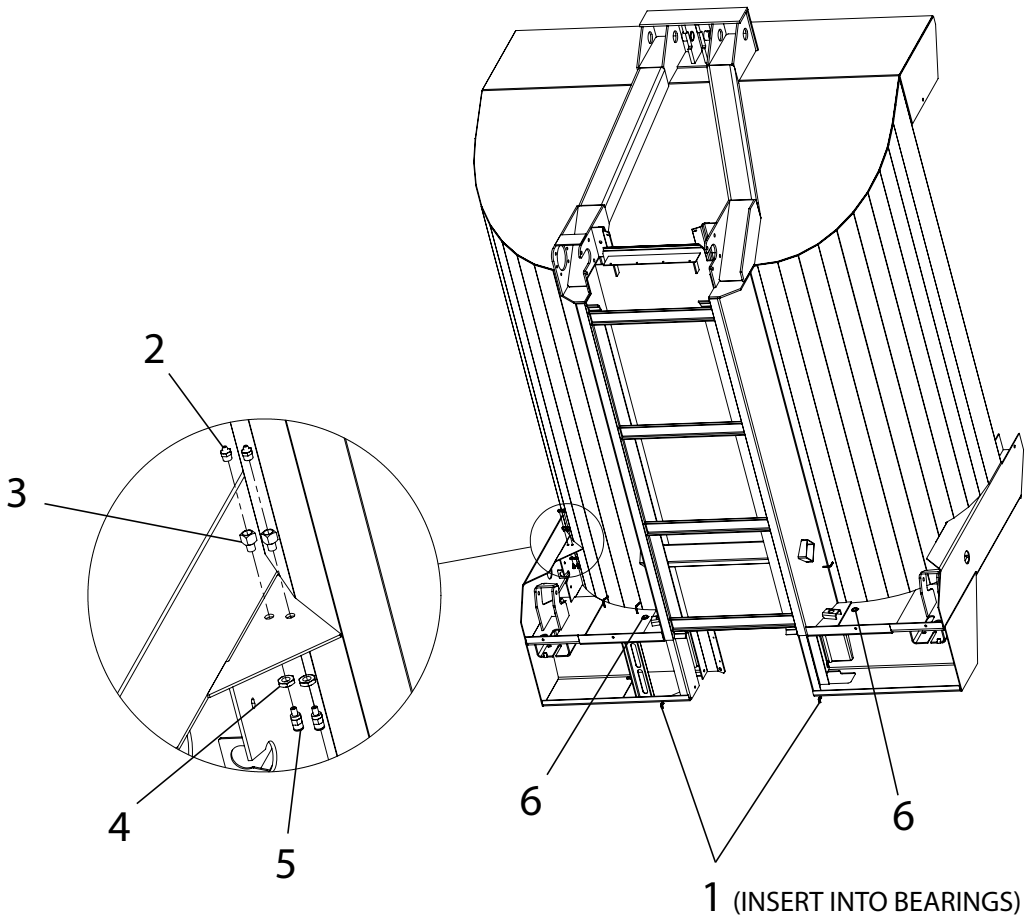
LUBE BANK



LUBE BANK CONTINUED

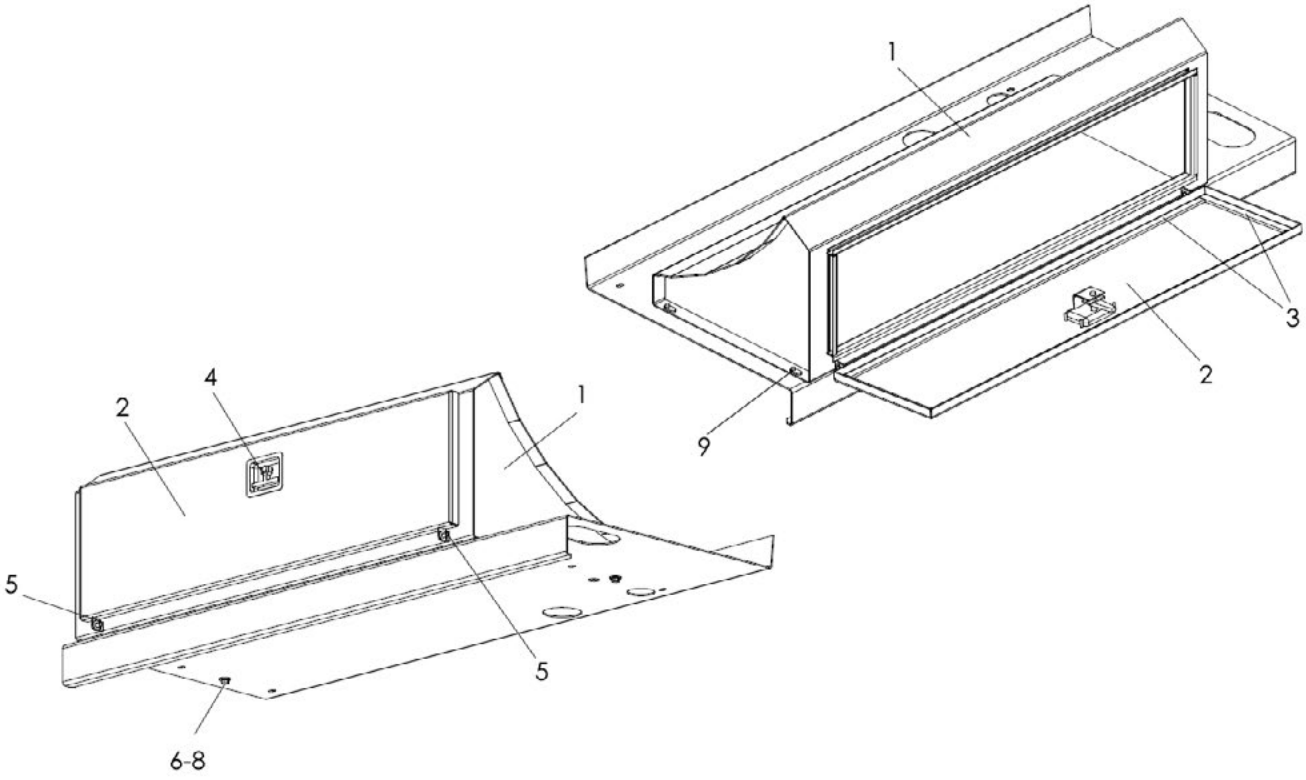
ITEM	PART NO.	DESCRIPTION		QTY
1	305109	Plate – Lube Bank RH T1-2 304		1
2	36423	Washer – Flat 1/4 SS		2
3	36394	Cap Screw – 1/4 x 7/8 SS		2
4	34129	Grommet – Rubber		1
5	301332	Connector – Bulkhead		9
6	301333	Nut – Lock, Connector		9
7	6069	Zerk – Grease		9
8	301334	Fitting – Straight Male 1/4-28		9
9	301335	Fitting – 90 Male 1/4-28		2
10	301336	Fitting – 90 Male Swivel 1/8 NPT		5
11	306349	Connector – Zerk Lock		2
12	19383	Grommet – Rubber 3/4 ID		2
13	301336	Fitting – 90 Male Swivel 1/8 NPT		2
14	301338	Tube – 1/4 Black Nylon	Per Foot	100

LUBE BANK - REAR CONVEYOR BEARINGS
TYPES I & III



ITEM	PART NO.	DESCRIPTION		QTY
1	301336	Fitting - 90 Male Swivel 1/8 NPT		2
2	6069	Zerk - Grease		2
3	301332	Connector - Bulkhead		2
4	301333	Nut - Lock, Connector		2
5	301334	Fitting - Straight Male 1/4 NPT		2
6	19383	Grommet - Rubber		2
7	*301338	Tube - 1/4 Black Nylon	per ft.	15

* - Not Shown



ITEM	PART NO.		DESCRIPTION	QTY
	CS	SS		
1	98881-AA	98882-AA	Toolbox – Wldmt 47”	1
	98881-AB	98882-AB	Toolbox – Wldmt 85”	1
	98881-AC	98882-AC	Toolbox – Wldmt 122”	1
	--	98882-AD	Toolbox - Wldmt 85” LH Door	1
	--	98882-AE	Toolbox - Wldmt 122”, 72” Door RH Rear	1
	--	98882-AH	Toolbox - Wldmt Fender Mounted 27”	1
2	98892-AA	98892-AC	Lid – Wldmt Toolbox, 47” & 122”	AR
	98892-AB	98892-AD	Lid – Wldmt Toolbox, 85”	1
	--	98892-AF	Lid - Wldmt Toolbox 27”	1
3	84280	84280	Strip – Rubber 1/4 x 3/4 per foot	AR
4	98896-AA	98896-AB	Latch – Paddle Toolbox	AR
5	20810	76822	Pin – Cotter 3/32 x 1/2	AR
6	20069	34858	Cap Screw – 3/8 x 1-1/2	4
7	20693	36425	Washer – Flat 3/8	4
8	20712	36420	Washer – Lock 3/8	4
9	20644	36414	Nut - 3/8-16	4
10	*98944	98944	Pad - Pre-Wet Mounting	2

AR - As Required