



Grain Handling

GRAIN CART **MODELS 9250, 8250, & 7250**

Model 9250 = Serial Number B31120100 and Higher
Serial Number D55120100 and Higher
Model 8250 = Serial Number B31150100 and Higher
Serial Number D55010165 and Higher
Model 7250 - Serial Number B31180100 and Higher
Serial Number D55030100 and Higher

Part No. 267905

Foreward



This symbol identifies important safety messages. When you see it, read the message that follows and be alert to the possibility of personal injury.

Remember, safety instructions stated in this manual are for your protection. Read them carefully and follow them closely when working around or using this machine.

Read and study this manual completely before attempting to operate this implement. Take this manual to the field for handy reference when operating, adjusting, or servicing your machine.

When referenced, “Right-Hand” (RH) and “Left-Hand” (LH) side of the machine are determined by standing behind the machine and facing in the direction of travel.



Product Information

When ordering parts or when requesting further information or assistance, always give the following information:

- Machine name
- Model number
- Serial number

All products manufactured by Unverferth Mfg. Co., Inc. are warranted to be free from material and workmanship defects for one full year from time of consumer delivery. Your local dealer will gladly assist you with any warranty questions.

Please fill out and retain this portion for your records. The serial number plate is located on the frame as shown below.

Purchase Date _____ Model _____ Serial No. _____

Dealer _____ City _____

Dealer Contact _____ Phone _____



IMPORTANT

- The information, specifications, and illustrations in the manual are based on information available at the time it was written. Due to continuing improvements in the design and manufacture of Unverferth products, all specifications and information contained herein are subject to change without notice.

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FOR SCALE INFORMATION, PLEASE REFER TO YOUR SCALE MANUAL.
FOR HYDRAULIC DRIVE INFORMATION, PLEASE REFER TO YOUR HYDRAULIC DRIVE MANUAL.

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General Hazard Information

No accident-prevention program can be successful without the wholehearted cooperation of the person who is directly responsible for the operation of the equipment.

A large number of accidents can be prevented only by the operator anticipating the result before the accident is caused and doing something about it. No power-driven equipment, whether it be transportation or processing, whether it be on the highway, in the field, or in the industrial plant, can be safer than the person who is at the controls. If accidents are to be prevented--and they can be prevented--it will be done by the operators who accept the full measure of their responsibility.

It is true that the designer, the manufacturer, and the safety engineer can help; and they will help, but their combined efforts can be wiped out by a single careless act of the operator.

It is said that, "the best kind of a safety device is a careful operator." We, at Unverferth Mfg. Co., Inc. ask that you be that kind of operator.



REMEMBER:
THINK SAFETY
A CAREFUL OPERATOR IS THE
BEST INSURANCE AGAINST AN
ACCIDENT!

SIGNAL WORDS



INDICATES AN EXTREMELY HAZARDOUS SITUATION OR ACTION THAT WILL RESULT IN SERIOUS INJURY OR DEATH.



INDICATES A HAZARDOUS SITUATION OR ACTION THAT COULD RESULT IN SERIOUS INJURY OR DEATH.



INDICATES AN UNSAFE SITUATION OR ACTION THAT MAY RESULT IN PERSONAL INJURY.

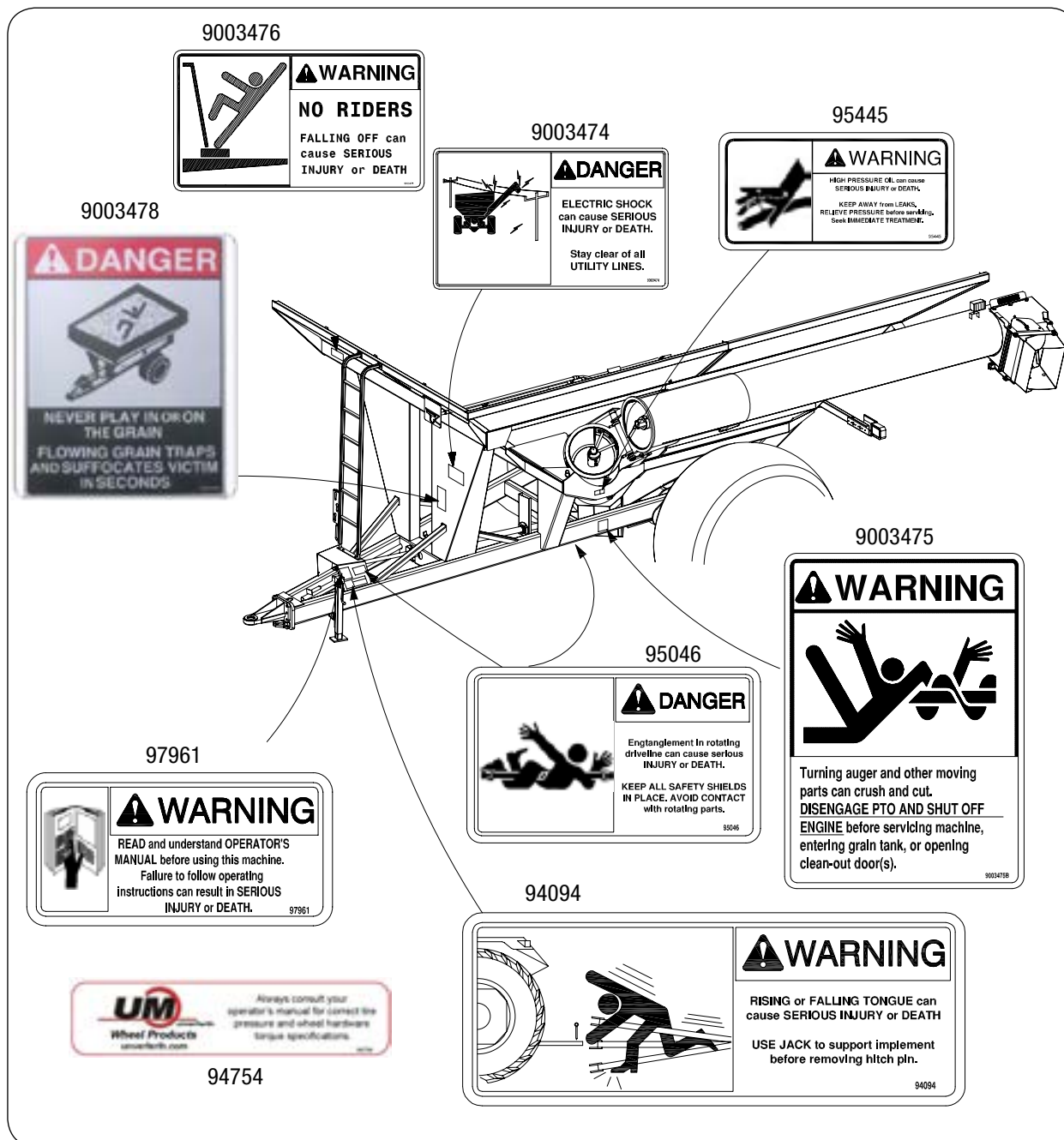


Is used for instruction on operating, adjusting, or servicing a machine.

Safety Decals

WARNING

- **REPLACE LOST, DAMAGED, PAINTED, OR UNREADABLE DECALS IMMEDIATELY. IF PARTS THAT HAVE DECALS ARE REPLACED, ALSO MAKE SURE TO INSTALL NEW DECALS. THESE DECALS INFORM AND REMIND THE OPERATOR WITH OPERATIONAL INFORMATION AND SAFETY MESSAGES.**



Following Safety Instructions

- Read and understand this operator's manual before operating.



- All machinery should be operated only by trained and authorized personnel.

- To prevent machine damage, use only attachments and service parts approved by the manufacturer.

- Always shut towing vehicle engine and hydraulic power unit engine off & remove key before servicing the implement.



- Avoid personal attire such as loose fitting clothing, shoestrings, drawstrings, pants cuffs, long hair, etc., that may become entangled in moving parts.

- Do not allow anyone to ride on the implement. Make sure everyone is clear before operating machine or towing vehicle.



- Never attempt to operate implement unless you are in the driver's seat.

- Never enter a cart containing grain. Flowing grain traps and suffocates victims in seconds.



Before Operating or Servicing

- Do not stand between towing vehicle and implement during hitching.



- Avoid working under an implement; however, if it becomes absolutely unavoidable, make sure the implement is safely blocked.



- Always make certain everyone and everything is clear of the machine before beginning operation.

- Verify that all safety shields are in place and properly secured.



- Ensure that all applicable safety decals are installed and legible.

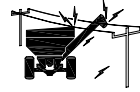
- To prevent personal injury or death, always ensure that there are people who remain outside the cart to assist the person working inside, and that all safe work place practices are followed. There is restricted mobility and limited exit paths when working inside the implement.

- Secure drawbar pin with safety lock and lock tractor drawbar in fixed position.

- Explosive separation of a tire and rim can cause serious injury or death. Only properly trained personnel should attempt to service a tire and wheel assembly.

During Operation

- Regulate speed to field conditions. Maintain complete control at all times.
- Never lubricate equipment when in operation.
- Keep away from overhead power lines. Electrical shock can cause serious injury or death.
- Use extreme care when operating close to ditches, fences, or on hillsides.
- Do not leave towing vehicle unattended with engine running.



Before Transporting

- Secure transport chains to towing vehicle before transporting. DO NOT transport without chains.
- Check for proper function of all available transport lights. Make sure that all reflectors are clean and in place on machine. Make sure the SMV emblem is visible to approaching traffic.
- This cart may not be equipped with brakes. Ensure that the towing vehicle has adequate weight and braking capacity to tow this unit.

During Transport


- Comply with state and local laws governing highway safety when moving machinery.
- Use transport lights as required by local laws to adequately warn operators of other vehicles.
- Use good judgment when transporting equipment on highways. Regulate speed to road conditions and maintain complete control.
- Maximum speed of implement should never exceed 20 mph. Do not exceed 10 mph during off-highway travel.
- Slow down before making sharp turns to avoid tipping. Drive slowly over rough ground and side slopes.
- Do not transport grain cart on roads while loaded.
- It is probable that this implement is taller, wider and longer than the towing vehicle. Become aware of and avoid all obstacles and hazards in the travel path of the equipment, such as power lines, ditches, etc.

Driveline Safety

- Do not allow children near equipment that is running or engaged.
- Do not exceed 1000 rpm PTO speed.
- Disengage the PTO, stop the tractor engine, and remove key from ignition before making inspections, or performing maintenance and repairs.
- Inspect the driveline, quick disconnect, overload shear-bolt limiter or clutch, and shielding often. Repair immediately. Use replacement parts and attaching hardware equivalent to the original equipment. Only alterations described in this manual for overall length adjustment are allowed. Any other alteration is prohibited.
- Avoid excessively long hardware or exposed and protruding parts which can snag and cause entanglement.
- Lubricate the driveline as recommended in the MAINTENANCE section.
- Keep hoses, wiring, ropes, etc. from dangling too close to the driveline.
- Install driveline and shields according to recommended lengths and attaching methods with recommended hardware. The driveline shield should rotate independently a full rotation and telescope freely. The retaining chain must be secured to the implement safety shield.
- Adjust drawbar to height recommended in tractor set up section.
- Be careful not to hit the driveline with tractor tires when turning.
- Check the length of the telescoping members to insure the driveline will not bottom out or separate when turning and/or going over rough terrain.
- Proper extended and collapsed lengths of the telescoping PTO shaft must be verified before first operation with each and every tractor. If the extended length of the PTO shaft is insufficient, it may become uncoupled during operation and cause serious injury or death from contact with uncontrolled flailing of PTO shaft assembly components.



Pressurized Oil

- Relieve pressure before disconnecting hydraulic lines from tractor, loosening any hydraulic fittings or servicing hydraulic system. See hydraulic power unit manual for procedure to relieve pressure.
- Use a piece of cardboard or wood to detect leaks of hydraulic fluid under pressure. Correct hydraulic leaks immediately.
- High-pressure fluids can penetrate the skin and cause serious injury or death. Seek medical treatment immediately if injured by high-pressure fluids. 
- Hydraulic system must be purged of air before operating to prevent serious injury or death.
- Do not bend or strike high-pressure lines. Do not install bent or damaged tubes or hoses.
- Repair all oil leaks. Leaks can cause fires, personal injury, and environmental damage.
- Route hoses and lines carefully to prevent premature failure due to kinking and rubbing against other parts. Make sure that all clamps, guards and shields are installed correctly.
- Check hydraulic hoses and tubes carefully. Replace components as necessary if any of the following conditions are found:
 - End fittings damaged, displaced, or leaking.
 - Outer covering chafed or cut and wire reinforcing exposed.
 - Outer covering ballooning locally.
 - Evidence of kinking or crushing of the flexible part of a hose.
 - Armoring embedded in the outer cover.

Preparing for Emergencies

- Keep a first aid kit and properly rated fire extinguisher nearby.



- Keep emergency numbers for fire, rescue, and poison control personnel near the phone.



Wearing Protective Equipment

- Wear clothing and personal protective equipment appropriate for the job.



- Wear steel-toed shoes when operating.



- Wear hearing protection when exposed to loud noises.



- Do not wear additional hearing impairing devices such as radio headphones, etc.

- This product may contain a chemical known to the state of California to cause cancer, or birth defects, or other reproductive harm.

Section II

Set Up

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FOR HYDRAULIC DRIVE INFORMATION, PLEASE REFER TO YOUR HYDRAULIC DRIVE MANAUL.

Set Up Checklist

After the cart has been completely assembled, use the following checklist and inspect the cart. Check off each item as it is found satisfactory or after proper adjustment is made.

- ☐ Torque wheel nuts and check tire pressure as specified in MAINTENANCE section.
- ☐ Axles are adjusted from shipping position to desired operating position. (If Applicable)
- ☐ Tires are inflated to specified air pressure. (If Applicable)
- ☐ All grease fittings have been lubricated and gearbox oil level checked.
- ☐ Check to be sure all decals are correctly located and legible. Replace if damaged.
- ☐ Check to be sure all reflective decals are correctly located.
- ☐ Check to be sure SMV decal is in place and shipping cover removed.
- ☐ Check to be sure transport lights are working properly.
- ☐ Check PTO. See “Verify Telescoping PTO Shaft Length” in MAINTENANCE section.
- ☐ Belts/Chains are aligned and properly tensioned.
- ☐ Check to be sure screens over auger are in place and properly secured.
- ☐ Transport chains are properly installed and hardware is torqued to specification. See “Transport Chain Connection” in OPERATION section.
- ☐ Paint all parts scratched in shipment.
- ☐ Test run the augers. See “Auger Operation” in OPERATION section.

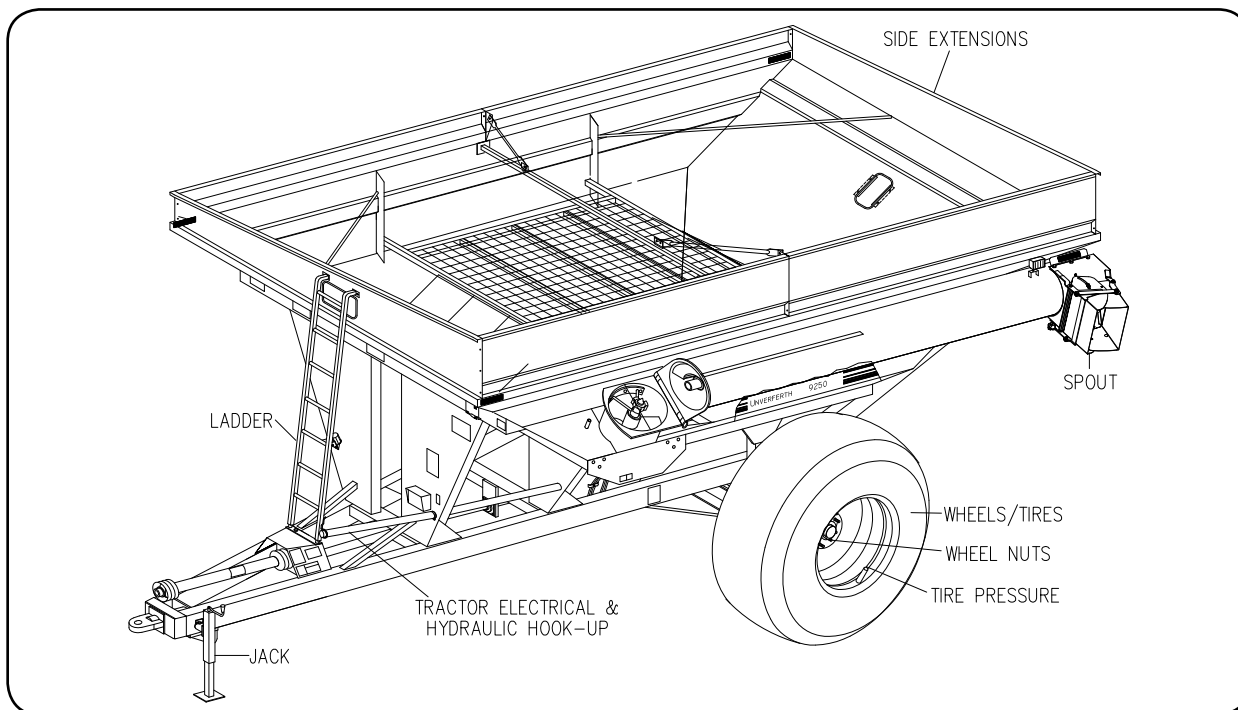
Basic Set Up

WARNING

- **TO PREVENT PERSONAL INJURY OR DEATH, ALWAYS ENSURE THAT THERE ARE PEOPLE WHO REMAIN OUTSIDE THE CART TO ASSIST THE PERSON WORKING INSIDE, AND THAT ALL SAFE WORKPLACE PRACTICES ARE FOLLOWED. THERE IS RESTRICTED MOBILITY AND LIMITED EXIT PATHS WHEN WORKING INSIDE THE IMPLEMENT.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED.**
- **FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 12,000 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**

Basic Set Up (continued)

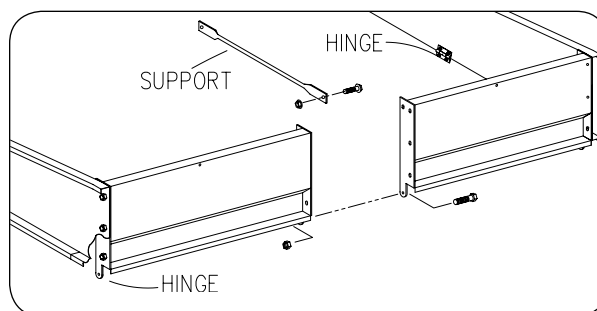
Folding Side Extensions



Due to shipping requirements and various dealer-installed options, some initial cart set up will be required after it arrives from the factory. Use the following procedures as needed for initial cart set up.

Hardware is stored behind the standard right axle of the grain cart.

1. Rotate extensions up into position and secure at corner holes.
2. Attach center support hardware.
3. Tighten all hardware, including hinge bolts.



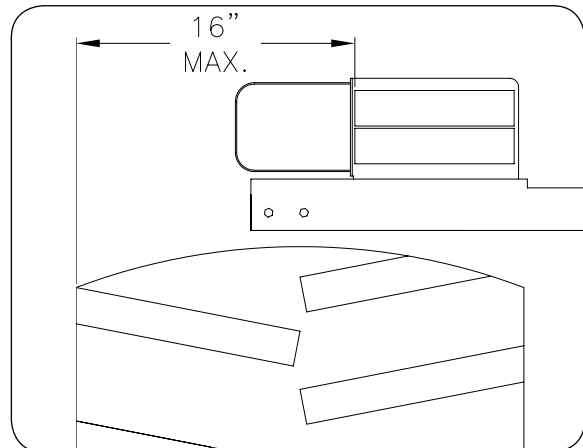
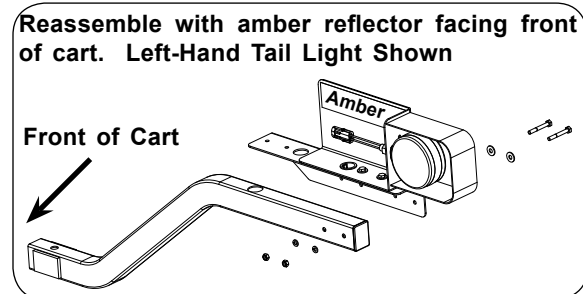
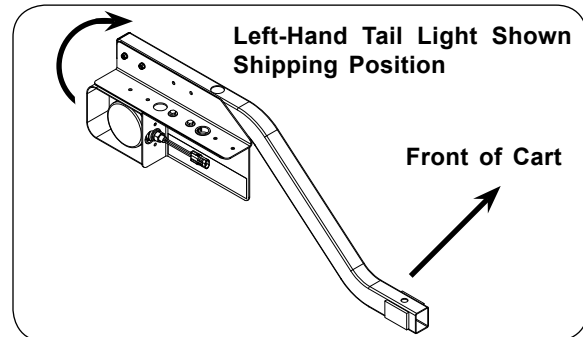
Basic Set Up (continued)

Ladder

Set the ladder over the mounting lugs and secure to the front panel of the cart.

Lamp Set Up

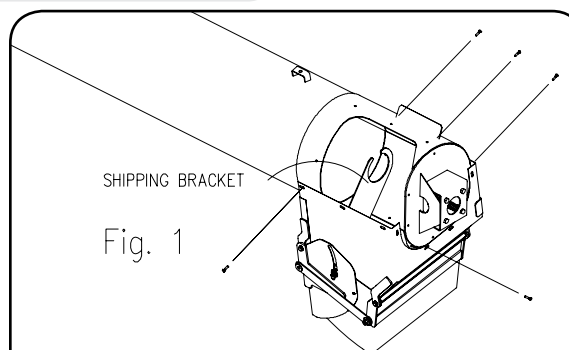
Pivot lamp extension arms into position at sides of cart. If necessary, adjust lamp mount position to achieve dimension shown. Be sure that amber reflector is facing the front of the cart (some lights on certain cart models will be flipped down for shipping).



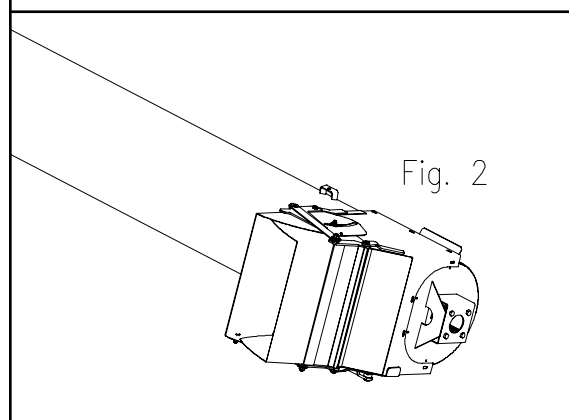
Basic Set Up (continued)

Chute Installation

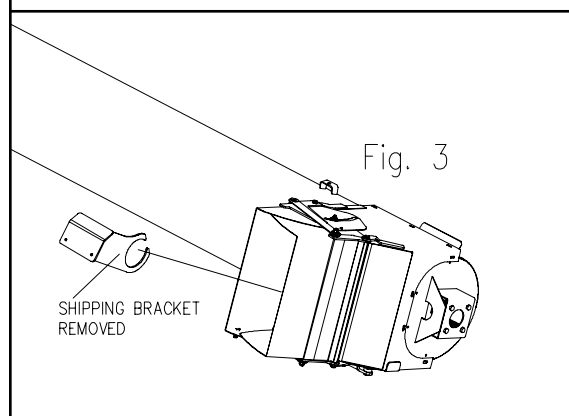
1. Remove the five 1/4" bolts as shown in Fig. 1. This should allow the chute weldment to pivot on the shipping bracket.



2. Rotate the chute weldment up and align the holes in the chute with the holes on the top of the auger tube. Hold the chute in place and loosely assemble the three attaching bolts and nuts to hold the chute in place. Do not tighten the hardware at this time. See Fig. 2.



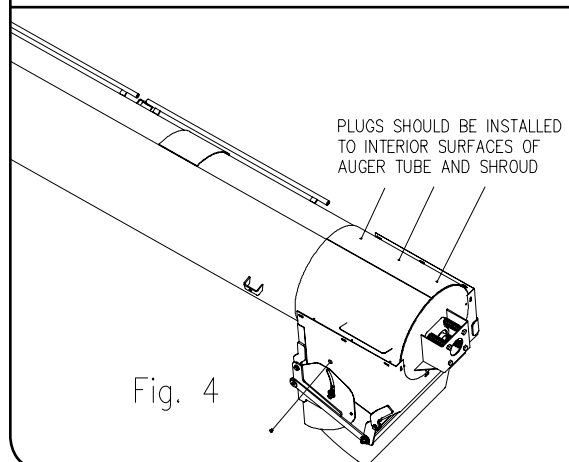
3. Locate the shipping bracket inside of the chute assembly. Loosen the 3/8" bolt on the slotted end of the shipping bracket, but DO NOT REMOVE. Remove the two 5/16" bolts holding the shipping bracket in place. See Fig. 3.



4. While supporting the weight of the auger chute, slide the shipping bracket to the end of the auger pipe and remove. See Fig. 3.

5. Rotate the chute down and align the remaining holes in the auger tube and end plate. Insert the remaining bolts, washers and nuts. Tighten all of the hardware.

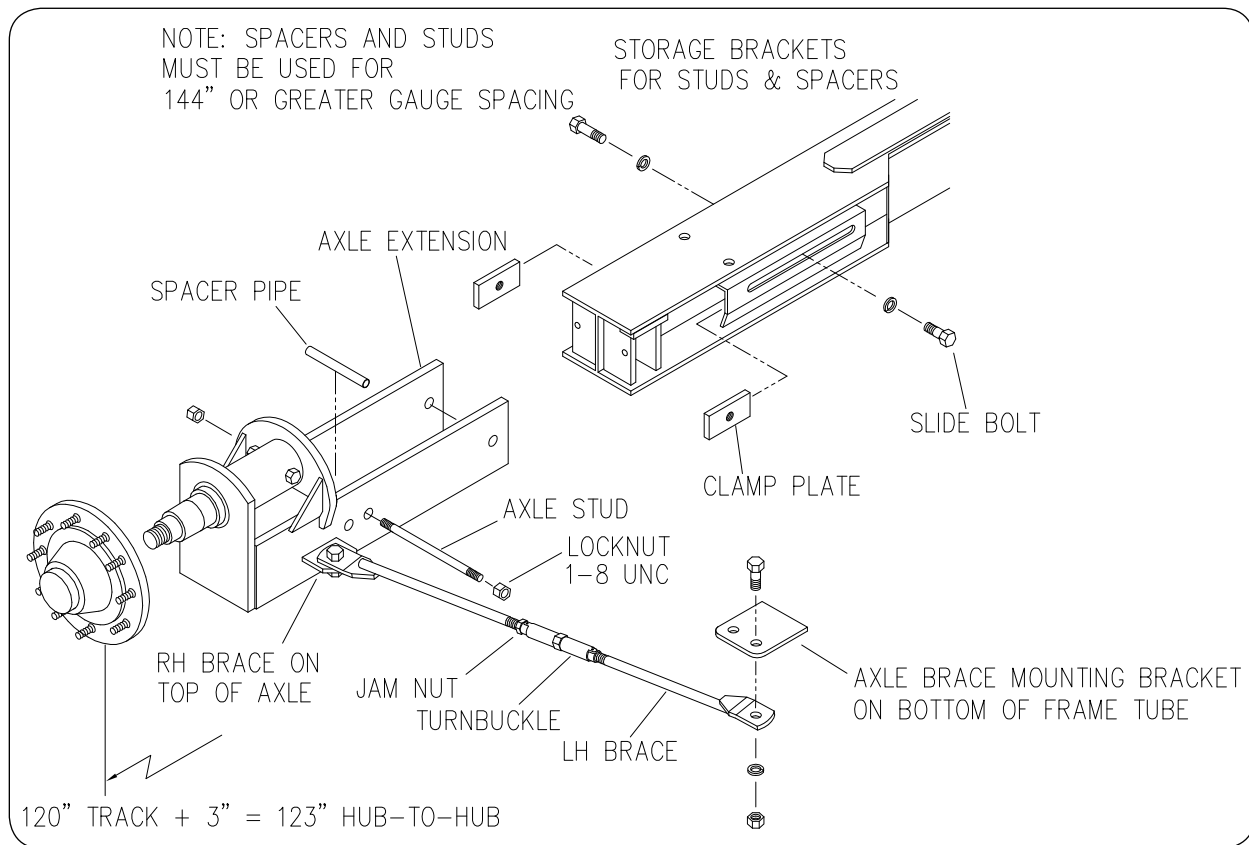
6. Install (3) Nylon Plugs into the holes in the auger tube and (1) into the deflector spout to prevent grain leakage through the exposed mounting holes. The Nylon Plugs need to be installed to the interior surfaces of the auger tube and shroud. See Fig. 4. Reinstall the 5/16" hardware in the chute and the 1/4" hardware in the auger tube to prevent grain leakage through the exposed mounting holes.



Basic Set Up (continued)

Optional Adjustable Axle (120" - 154")

1. Using an appropriate lifting device rated at 6 tons, lift the center axle weldment and support using jack stands rated at 3 tons for each side.
2. Loosen the clamp plate capscrews on the slotted slides of the axle weldment.
3. Extend the axle to the desired width and align the holes for the studs if they are greater than 144".
4. Remove the axle stud and spacer pipe from the storage brackets on the rear of the axle. Install in the outer set of holes for a desired axle width.
5. For an axle width of 144" or greater, move the axle brace assemblies from the front to the rear holes on the frame bracket. Loosen the setscrews in the turnbuckle and adjust to fit the extended axle ends. Tighten the setscrews.



Basic Set Up (continued)

Dual Wheel Installation

Align the dual wheels on the one side of the cart. Place the guide pin in the guide hole. Then, using the guide pin, seat the outer reinforcing ring into position. Secure the wheel and reinforcing ring with the lock washers and bolts provided. Refer to the Maintenance section for the proper torque requirements.

Wheel/Tire Set Up

Tire Pressure

Tire pressure must be verified before first use and adjusted as necessary. Refer to maintenance section of this manual for information on tire pressure.

Wheel Nuts

CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. WHEEL NUTS/BOLTS MUST BE CHECKED REGULARLY. SEE TORQUE PAGE IN THE “MAINTENANCE” SECTION FOR PROPER WHEEL NUT/BOLT SPECIFICATIONS. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

IMPORTANT

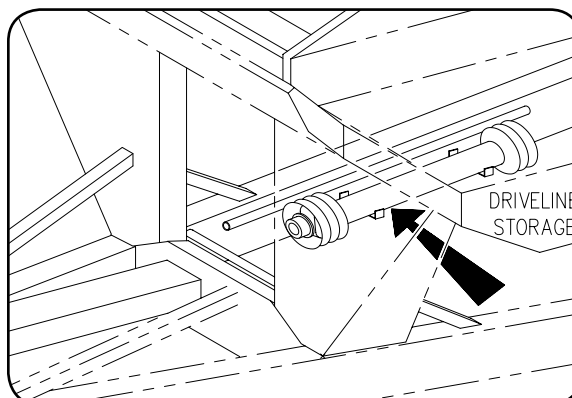
- *Installing wheels without the proper inset could result in hub or spindle failure. This will cause substantial damage to cart.*

Drive Line Storage

Storage brackets are located on the inside right frame rail. Secure the PTO shaft to these brackets for extended transporting or seasonal storage.

IMPORTANT

- *Remove and store the complete PTO before towing the grain cart behind a delivery truck. Interference could occur when turning resulting in damage to the PTO and cart.*



Optional Weather Guard Tarp Installation

WARNING

- TO PREVENT PERSONAL INJURY OR DEATH, ALWAYS ENSURE THAT THERE ARE PEOPLE WHO REMAIN OUTSIDE THE CART TO ASSIST THE PERSON WORKING INSIDE, AND THAT ALL SAFE WORKPLACE PRACTICES ARE FOLLOWED. THERE IS RESTRICTED MOBILITY AND LIMITED EXIT PATHS WHEN WORKING INSIDE THE IMPLEMENT.
- EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.
- FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 250 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.
- TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED.

End Caps, Bows

1. Install the side board extensions to the box.

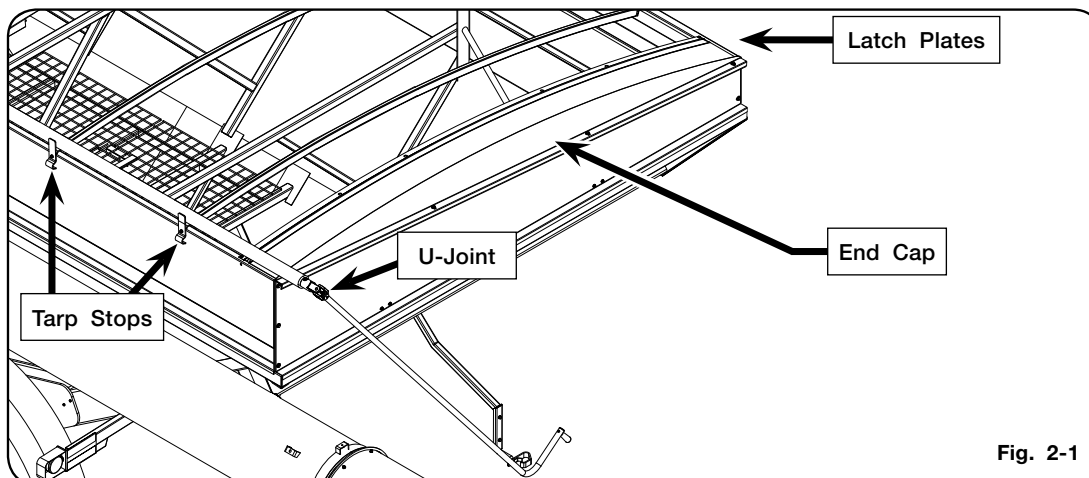


Fig. 2-1

2. Assemble the end caps (281713B) to the front and rear side boards with flange screws (95585) and flange nuts (91263). Fasten to right and left side boards with self-threading screws (9512). Install Trim-lok on front board. See figure 2-2.

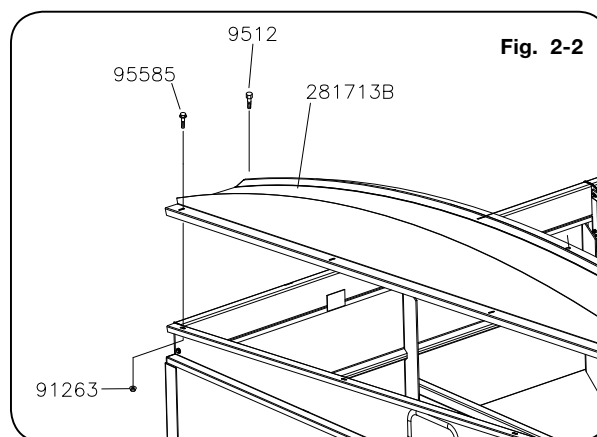


Fig. 2-2

Optional Weather Guard Tarp Installation (continued)

3. Assembly the bow brackets and latch plates:

Models 7250 & 9250

Assemble the bow brackets (Model 7250 - 300972B or Model 9250 - 300977B) and latch plate to the right side panel or side board with torx head screw (9005312) and flange nut (91263). Secure to side board using capscrew (9388-051) and flange nut (91263). See figure 2-3A.

Model 8250

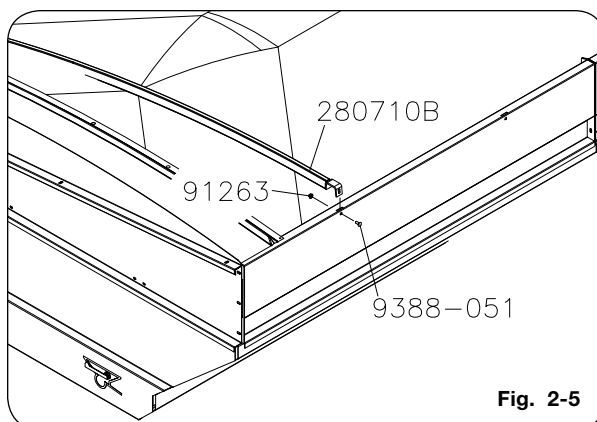
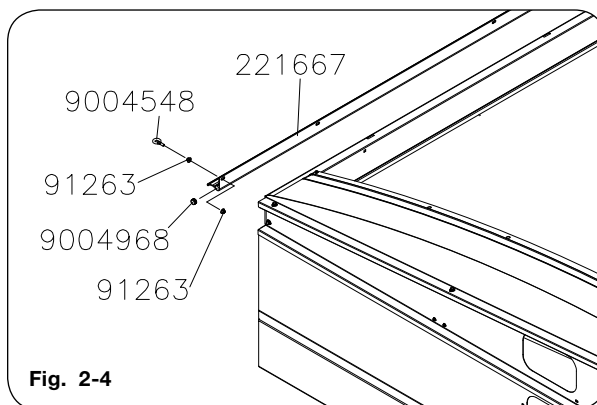
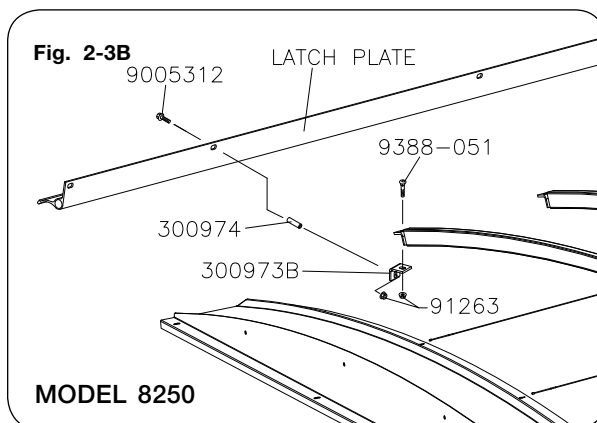
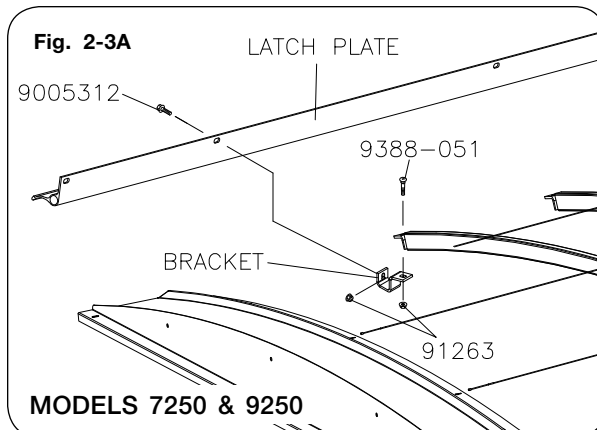
Assemble the bow brackets (Model 8250 - 300973B) and latch plate to the right side panel or side board with torx head screw (9005312), boss tube (300974) and flange nut (91263). Secure to side board using capscrew (9388-051) and flange nut (91263). See figure 2-3B.

4. Secure latch plate (221667) to front of panel with eyebolt (9004548) and two flange nuts (91263). See figure 2-4. Same for both the right and left sides.

The latch plates are divided in the center of the cart with pre punched holes for ease of assembly. Locate the front and rear latch plates. Looking at the right side of the cart, position the front latch plate on the front right sideboard. The holes should line up with the existing tarp bow holes. Use the provided hardware to attach the latch plates. Repeat for rear latch plate.

NOTE: If holes are not drilled in the sideboards or panels for attaching latch plates, locate the hold position by attaching latch plates to the right side panel or boards using the existing bow bracket holes and provided hardware. Drill the necessary holes with 7/16" drill bit through the center of the open slots of the latch plate. Finish assembling the latch plate with the provided hardware.

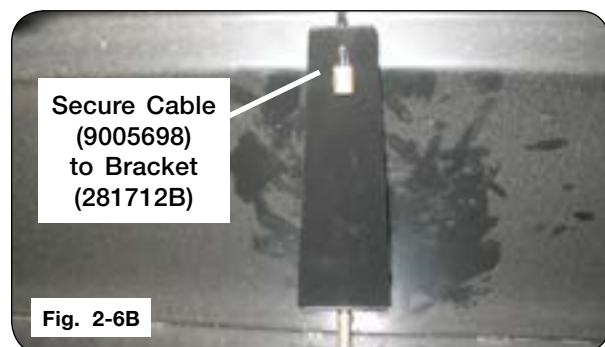
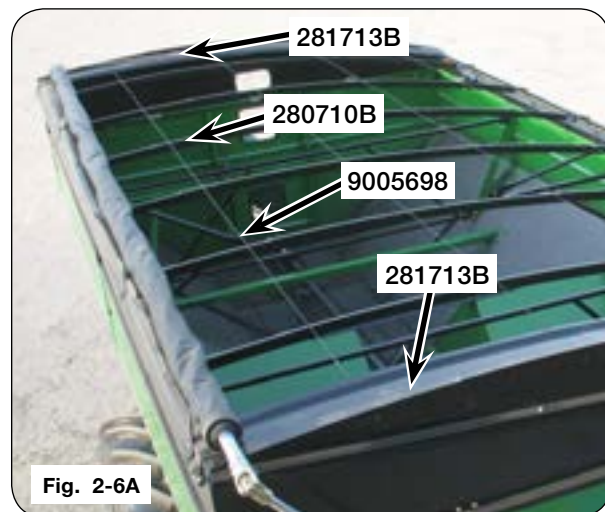
5. Assemble the bow brackets (280710B) to the left side panel or side board with carriage bolts (9388-051) and flange nuts (91263). See figure 2-5.



Optional Weather Guard Tarp Installation (continued)

Cables, Tarp, Tubes

6. Attach the cable assemblies (9005698) to the front end cap (281713B) slotted holes, see figure 2-6. Run the cables over the top of the bows (280710B). Route cables through the holes in the rear end caps (281713B), see figure 2-6A. Secure the cables to the slot in bracket (281712B), see figure 2-6B. To tighten the cables, tighten the capscrew (TA0-907131-0) on the outside of the cart until the bracket makes the cables snug tight, see figure 2-6C. Do not overtighten.

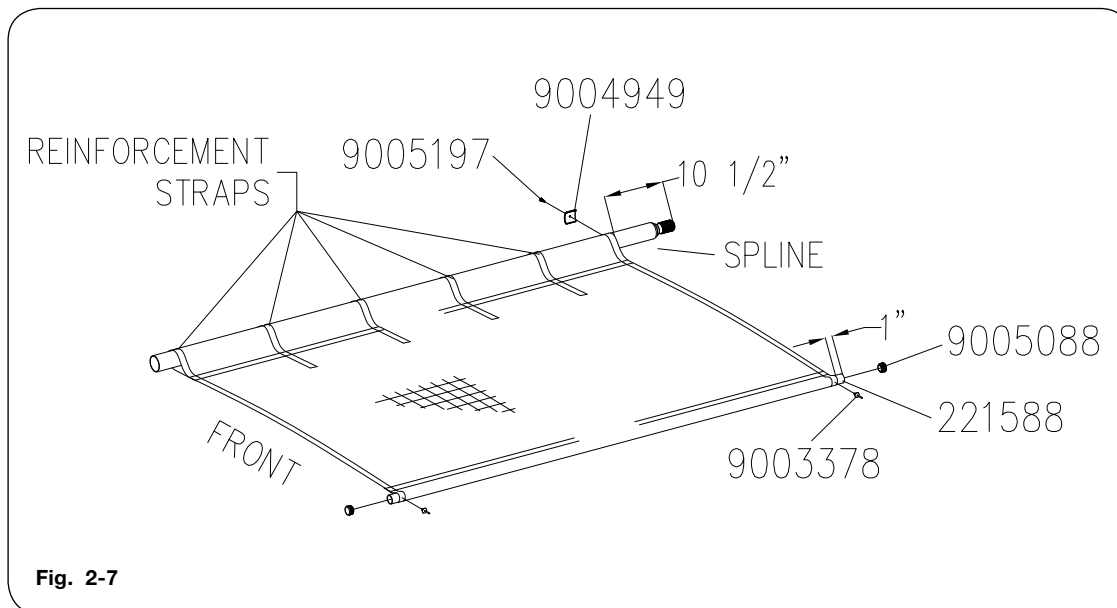


Optional Weather Guard Tarp Installation (continued)

7. (2-person operation) On a clean floor, lay the tarp out flat with the raw edge of the hems and pockets down and the exterior side facing up.
8. Insert the small 1 1/8" tube (221588) by sliding it into the small pocket of the tarp. Leave 1" of the tube sticking out one end and drill a 3/16" hole through the center of the outer reinforcement strap and tube. Fasten with a rivet (9003378). At the other end, pull on the tarp by hand to stretch it until there is 1" of tube sticking out. Drill hole and install rivet. Press the 1 1/8" plugs (9005088) into each end of the tube. See figure 2-7.

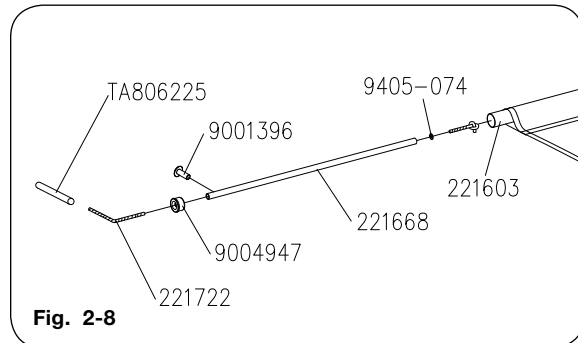
INSTALLATION TIP: Tarp is designed to be stretched the length of the tube to reduce wrinkling. For easier assembly, apply liberal dusting of baby powder on tube and inside of tube pockets before sliding tubes in pockets.

9. Insert the 2" roll tube into the large pockets, with the splined shaft to the rear. Measure 10 1/2" from the end of the spline to the start of the tarp. Install the first U-clamp (9004949) and self-drilling screws (9005197) to the first reinforcement strap, to secure the tarp to the tube. Work down the roll tube putting the U-clamps and self-drilling screws on each reinforcement strap. Make sure to keep the tarp pulled tight to reduce wrinkling. See figure 2-7.

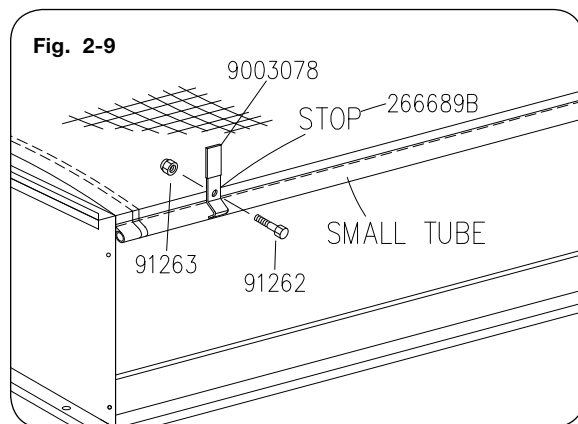


Optional Weather Guard Tarp Installation (continued)

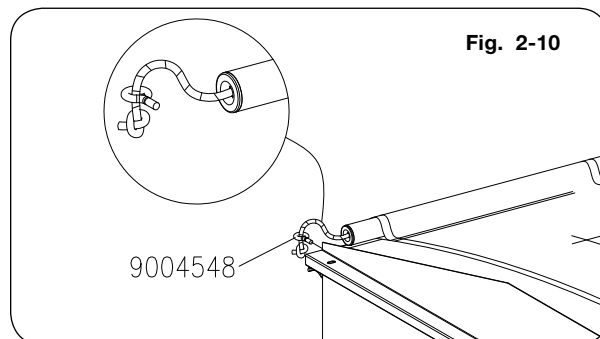
10. Insert knotted stretch rope (221722) through flat washer (9405-074), plastic tube (221668), end plug (9004947) and hose (TA806225). Place these items as an assembly into front end of 2" tube (221603) and press the end plug into the end of the tube. Screw self-drilling screw (9001396) through side of roll tube into end plug (9004947) to retain plug into tube. Slide hose (TA806225) over bungee. See figure 2-8.



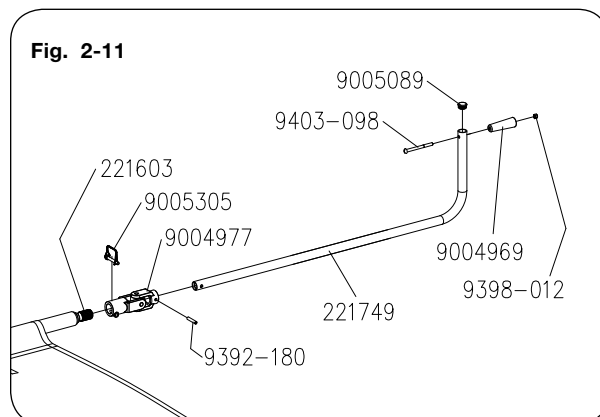
11. Using an appropriate lifting device rated for a minimum of 250 lbs. position the tarp on top of the left hand side of the cart. Hand roll the tarp into open position. Place the 1 1/8" stationary tube side of the tarp on top of the left side of the box, centered from front to back of box. **BE CAREFUL NOT TO LET THE TARP ROLL OFF OF THE BOX.** Assemble the tarp and stops (266689B) (with caps) to the left sideboards by poking a hole through the tarp and using flange screws (91262) and flange nuts (91263). Assemble the center stop through the bow weldment, the front and rear stops should be one foot in from the ends of the cart. See figure 2-9.



12. Unroll the tarp and insert stretch cord through the top of the eye bolt (9004548). With the tarp rolled up under the latch plate, leave two or three inches of slack in the bungee knot off. If there is an excess of cord, cut a couple inches below the knot and sear end of bungee with a lighter to keep from fraying. See figure 2-10.



13. Insert U-joint (9004977) over splined coupling (221603) and secure with wire lynch pin (9005305). Insert crank handle (221749) into U-joint and secure with roll pin (9392-180). Insert round head bolt (9403-098) into bottom hole of crank handle (221749) and slide plastic handle (9004969) onto bolt securing with elastic nut (9398-012). Insert 1 1/4" plug (9005089) into end of handle. See figure 2-11.

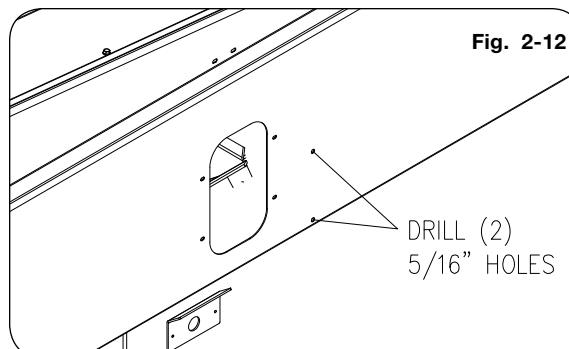


Optional Weather Guard Tarp Installation (continued)

Hand Crank

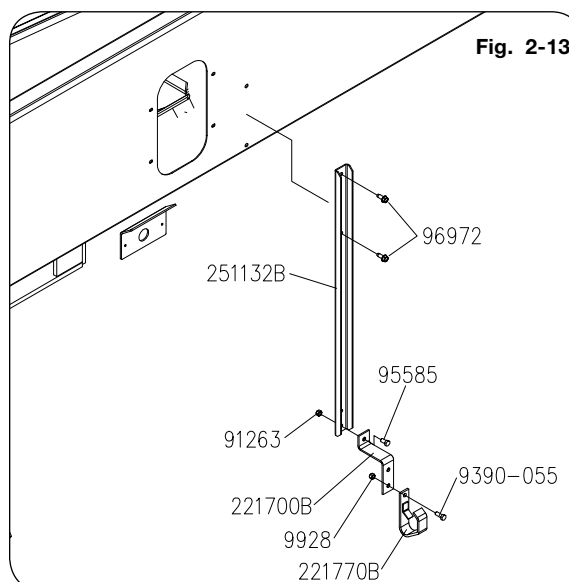
14. MODEL 7250 & 8250 CARTS ONLY

Locate the channel bracket holes just above the box fold line, centered on the box. Drill two 5/16" holes. See figure 2-12.



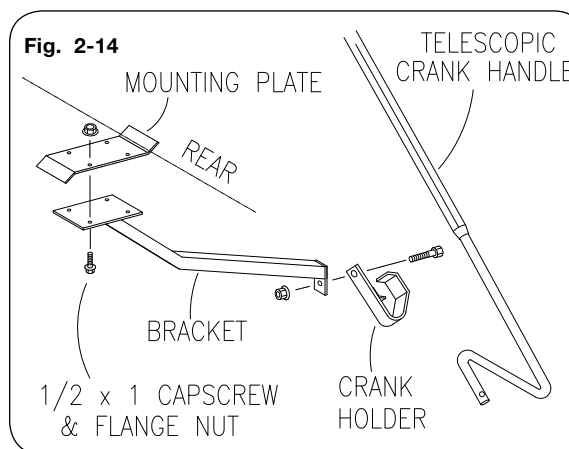
15. MODEL 7250 & 8250 CARTS ONLY

Attach channel bracket (251132B) using two 3/8 self tapping screws (96972). See figure 2-12. Attach bracket (221700B) to the bottom hole with capscREW (95585) and locknut (91263). Secure tube holder (221770B) to bracket using capscREW (9390-055) and locknut (9928). See figure 2-13.



16. MODEL 9250 CARTS ONLY

Locate the mounting bracket underneath the rear perimeter, centered on the box. Use the 1/2-13UNC x 1" capscREWS (37) and 1/2-13UNC flange nuts (41) to attach the crank holder tube (6). Attach crank holder (18) using 3/8-16UNC x 1" capscREW (29) and 3/8-16UNC locknut (33) as shown in figure 2-14.



17. Tighten tarp by holding the crank firmly with both hands and roll the main tarp tube counter-clockwise up under the latch plate. Next, bring the crank handle down perpendicular to the ground. Continue by lifting it up into the crank retainer.

NOTE: A slight bow in crank tube should indicate adequate tension.

NOTE: U-joint may need to be re-indexed on the splined shaft of the roll tube to achieve an ideal tarp tension and over time it may need to be readjusted.

Notes

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FOR SCALE INFORMATION, PLEASE REFER TO YOUR SCALE MANUAL.
FOR HYDRAULIC DRIVE INFORMATION, PLEASE REFER TO YOUR HYDRAULIC DRIVE MANAUL.

Operating Checklist

- ☐ Read and understand all safety precautions before operating cart.
- ☐ Check axle spacing to be sure axle is adjusted from shipping position to desired operating width. (If Applicable)
- ☐ Check to be sure all the reflective decals and the SMV sign are clearly visible with the cart attached to the tractor. Check to be sure the transport lights are in working condition. Check and follow federal, state/provincial and local regulations before towing on a road or highway.
- ☐ Check to be sure the hitch height when attached to the tractor is sufficient to prevent severe bends in PTO U-joint angles.
- ☐ Check to be sure PTO is correct length for making turns and operating on uneven terrain. See “Verify Telescoping PTO Shaft Length” in MAINTENANCE section.
- ☐ Torque wheel nuts according to “Wheel Torque Chart” in MAINTENANCE section.
- ☐ Transport chains are properly installed and hardware is torqued to specification. See “Transport Chain Connection” in OPERATION section.
- ☐ Check to be sure all screens and safety shields are in place.
- ☐ Check to be sure recommended lubrication procedures are being followed.
- ☐ Check operation and functionality of flow door, flow door indicator, auger fold, and auger pivot.
- ☐ Test run the augers. See “Auger Operation” in OPERATION section.

Preparing Tractor

Before operating cart, read the tractor Operator's Manual and gain an understanding of its safe methods of operation.

Check the tractor brakes and transport lights. Make sure they are in proper working order.

Check the tractor hydraulic oil reservoir and add oil if needed.

Verify that the tractor is adequately ballasted for drawbar operation at the anticipated draft load. See tractor manual for ballasting instructions.

If possible, adjust the tractor drawbar vertically so the topside of the drawbar is approximately 17-22 inches from the ground. Ensure that the drawbar is locked in the center position.

On tractors equipped with a 3-point hitch, raise and secure the linkage to prevent interference with the cart tongue, hydraulic hoses and the hydraulic drive option during turning. It may be necessary to remove tractor 3-point quick attach to avoid damage during turning.

Preparing Cart

Perform the service checks as outlined below. Repair or replace any damaged or worn parts before operating.

Hardware

Check for loose bolts and nuts, and tighten as needed. Check again after the first half-day of operation.

Pivot Pins

Check that all pins are in place and in good condition. Replace any worn, damaged or missing pins.

Hydraulic System

Check all hoses and cylinders for signs of leakage. The hoses should not be kinked, twisted or rubbing against sharp edges. Re-route or repair hoses as necessary. Refer to the Safety section for additional information on safe repair and inspection of hydraulic components.

Tires/Wheels

Check tire pressures and maintain at recommended values listed in the MAINTENANCE section of this manual.



CAUTION

- **IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. WHEEL NUTS/BOLTS MUST BE CHECKED REGULARLY. SEE TORQUE PAGE IN THE “MAINTENANCE” SECTION FOR PROPER WHEEL NUT/BOLT SPECIFICATIONS. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.**

IMPORTANT

- *Installing wheels without the proper inset could result in hub or spindle failure. This will cause substantial damage to cart.*

For questions regarding new tire warranty, please contact your local original equipment tire dealer. Used tires carry no warranty. Tire manufacturers' phone numbers and web sites are listed in the “MAINTENANCE” section of this manual for your convenience.

Lubrication

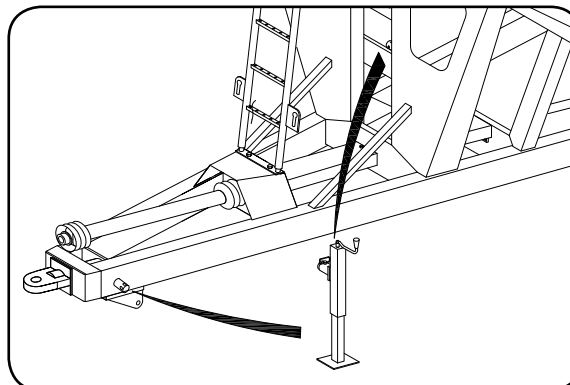
Lubricate the cart as outlined in the MAINTENANCE section of this manual.

Jack

Use the jack to support an empty grain cart, never a loaded grain cart. Always have a loaded grain cart hooked to a tractor.

IMPORTANT

- Mount the jack in the storage location indicated after the cart is hitched to a tractor.



Hitching to Tractor

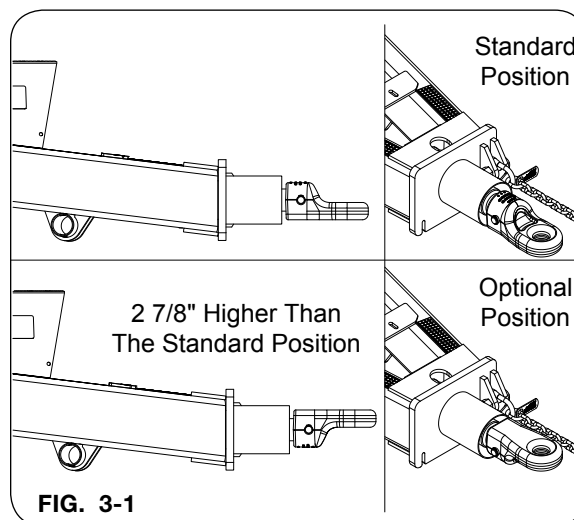
Drawbar Connection

This cart is intended to be hitched to a tractor drawbar. Do not attempt to hitch to any other location on the tractor other than the drawbar.

The cart is equipped standard with a single tang hitch. A hitch pin between 1 1/2" or 2" diameter must only be used with a clevis-type tractor drawbar. An optional hammer strap is available if your tractor has a single tang drawbar.

NOTE: Cast hitch can be flipped providing a drawbar connection height difference of 2 7/8" (FIG. 3-1). Guideline for when to switch the cast hitch is to keep a loaded cart level, or the back of the hopper slightly higher than the front of the hopper to maintain rear slope and/or cleanout. When cast hitch is flipped, the driveline needs checked for clearance.

NOTE: The use of a smaller diameter hitch pin will result in additional clearance between the hitch and pin. This additional clearance may cause accelerated pin wear, tractor and cart hitch wear, along with more pronounced jolting from the cart during transport operation.



WARNING

- **DO NOT STAND BETWEEN THE CART AND TRACTOR WHEN HITCHING. ALWAYS ENGAGE PARKING BRAKE AND STOP ENGINE BEFORE INSERTING HITCH PIN.**

After inserting drawbar pin, secure drawbar pin with a locking device to help prevent uncoupling during use.

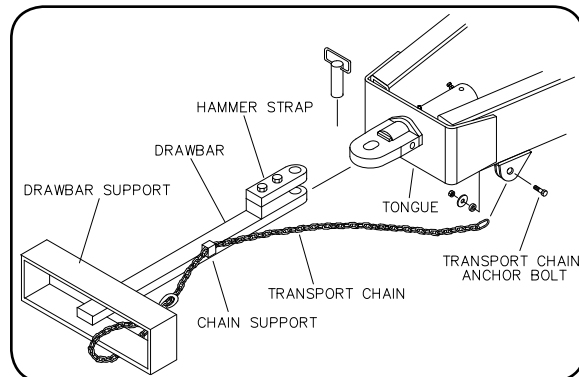
Hitching to Tractor

Transport Chain Connection

The tractor must be equipped with a transport chain support. Do not use intermediate support as the chain attaching point. The illustration on the right shows how the transport chain must be installed between the cart and tractor. Adjust the chain length as necessary to eliminate excessive slack, while preventing binding during tight turns.

CAUTION

- **REPLACE THE TRANSPORT CHAIN IF ANY LINK OR END FITTING IS BROKEN, STRETCHED OR DAMAGED. DO NOT WELD THE TRANSPORT CHAIN.**
- **ALWAYS USE A PROPERLY SIZED TRANSPORT CHAIN BETWEEN THE CART AND THE TRACTOR. FAILURE TO USE A TRANSPORT CHAIN COULD RESULT IN PERSONAL INJURY OR PROPERTY DAMAGE IF THE CART AND TRACTOR BECOME DISENGAGED DURING OPERATION.**



Hitching to Tractor (continued)

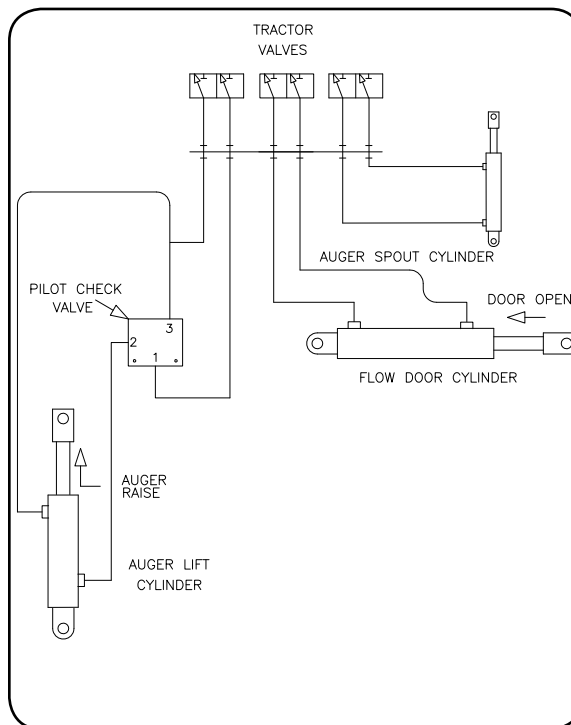
Hydraulic Connections

Clean the hydraulic hose couplers before connecting them to the tractor. For convenience, it is recommended to connect the auger fold circuit hoses to the tractor implement coupler #1, and the flow door circuit hoses to the highest number coupler available on the tractor.

NOTE: After the initial set up or replacement of any hydraulic components on the cart, air must be removed from the cart hydraulic system.

Route the hoses away from areas that may cause abrasion or kinking of the hoses during operation.

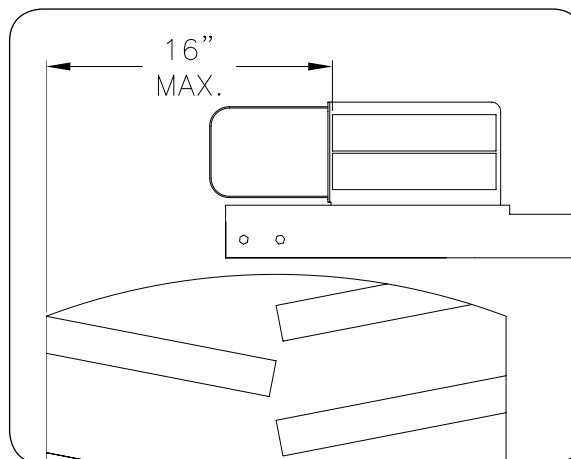
Before disconnecting the hoses from the tractor, relieve the pressure from the lines by placing the circuit in “float” (see tractor manual for proper method of placing circuit in float). Shut-off the engine and apply the parking brake before disconnecting the hoses.



Electrical Connections

This cart is equipped with a seven-point SAE connector plug which will connect with the receptacle found on most new tractors on the market today. If your tractor does not have this type of receptacle, an SAE J-S60A seven-point socket can be purchased from your Unverferth dealer (Part number 92824).

The wiring schematic for this cart complies with current ASABE standards. Although most newer tractors conform to this standard, many older tractors can have a slightly different electrical function than standard. Because of this, always verify the correct electrical function before using this cart.



IMPORTANT

- Adjust the light brackets so that the reflectors are no more than 16" from the outer edges of the tires. Ensure the amber reflector is facing the front of the cart.

Towing

This cart is not equipped with brakes. Ensure that the towing vehicle has adequate weight and braking capacity to tow this implement. See towing vehicle operator's manual for towing capacity. Never tow a loaded grain cart over public roads.

Maximum speed of the cart should never exceed 20 mph. Do not exceed 10 mph during off-highway travel. Do not exceed 8 mph when the cart is fully loaded.

Secure the drawbar pin with a locking device and lock the tractor drawbar in the centered position. Connect the PTO driveshaft to the tractor.

Secure the transport chain to the tractor chain support before towing.

NOTE: The standard chain provided is for the basic cart when it is towed empty for road travel.

Use good judgement when transporting equipment on the highways. Regulate speed to road conditions and maintain complete control.

It is probable that this cart is taller, wider and longer than the towing tractor. Become aware of and avoid all obstacles and hazards in the travel path of the equipment, such as power lines, ditches, etc.

Slow down before making sharp turns to avoid tipping. Drive slowly over rough ground and side slopes.

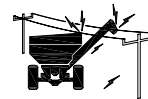
NOTE: To prevent damage during turning when using non-PTO equipped towing vehicles, store the PTO drive shaft in the brackets provided on the inside right frame rail.

Auger Operation

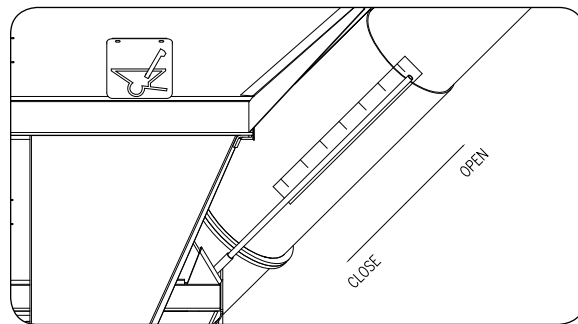
PTO Driven Auger



- **ENTANGLEMENT WITH THE DRIVELINE WILL CAUSE SERIOUS INJURY OR DEATH. KEEP ALL GUARDS AND SHIELDS IN GOOD CONDITION AND PROPERLY INSTALLED AT ALL TIMES. AVOID PERSONAL ATTIRE SUCH AS LOOSE FITTING CLOTHING, SHOE STRINGS, DRAWSTRINGS, PANTS CUFFS, LONG HAIR, ETC. THAT CAN BECOME ENTANGLED IN A ROTATING DRIVELINE.**
- **ELECTROCUTION WILL CAUSE SERIOUS INJURY OR DEATH. THE GRAIN CART IS NOT INSULATED. KEEP AWAY FROM ALL ELECTRICAL LINES AND DEVICES. ELECTROCUTION CAN OCCUR WITHOUT DIRECT CONTACT.**



1. Before loading cart or operating auger, verify that the flow control door is closed.
2. Choose an area free from obstructions and unfold auger into unloading position. Allow sufficient time for the cylinder to fully engage the two augers.
3. Engage PTO at low RPM, then increase the tractor RPM to about 1000 rpm.



4. Open flow control door to desired unloading rate. Numbers on the auger tube provide a point of reference for operator convenience.

NOTE: If an overload occurs, (Shear-bolt failure or excessive heat/smoke from friction clutch) stop auger immediately. Close flow control door and relieve auger grain pressure by opening bottom door to remove some grain from auger before resuming.

5. To slow or stop grain flow, close flow door, rather than reducing tractor RPM. Close flow door fully when unloading is complete.

NOTE: It is not recommended to disengage auger with flow control door open. Auger system will require substantially more torque to start, placing extra stress on both cart and tractor driveline.

6. Stop PTO. After the PTO has come to a complete stop, fold auger to the transport position.

Auger Operation (continued)

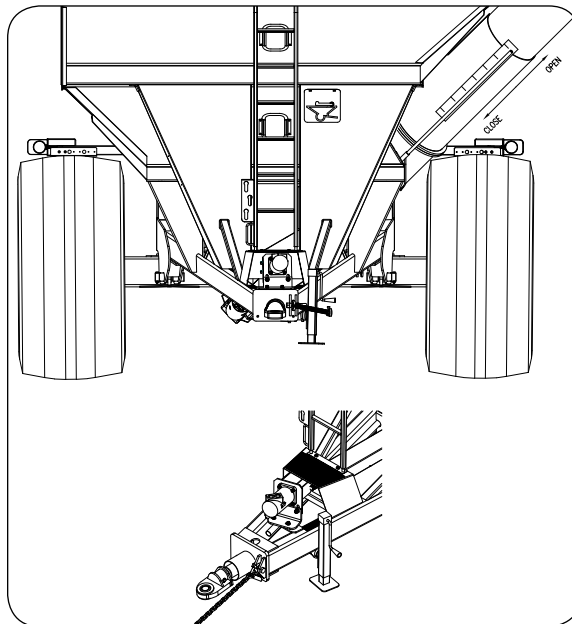
Hydraulically-Driven Auger

The optional hydraulically-driven auger permits cart operation using tractors that are not equipped with a PTO. However, due to the power requirements of a grain cart, it should be expected that a hydraulically-driven grain cart will not unload as quickly as a PTO driven cart.

IMPORTANT

- Depending on the option chosen, the motor is rated for either 55 or 100 gpm hydraulic flow at 3000 psi. Sustained flow and pressure above these amounts will dramatically reduce motor life. Be aware of maximum tractor hydraulic flow and pressure before operating auger.

NOTE: A motor containing two pressure and two return lines is a 55 GPM motor. A motor containing three pressure and three return lines is a 100 GPM motor. If unsure of motor size, contact your dealer providing your cart's serial number.



Auger Operation (continued)

Hydraulically-Driven Auger (continued)

1. Before loading cart or operating auger, verify that the flow control door is closed.
2. Choose an area free from obstructions and fully unfold auger to the unloading position.
3. Connect hydraulic hoses to tractor hydraulic circuits. Attach pump pressure hoses to RETRACT ports on tractor.

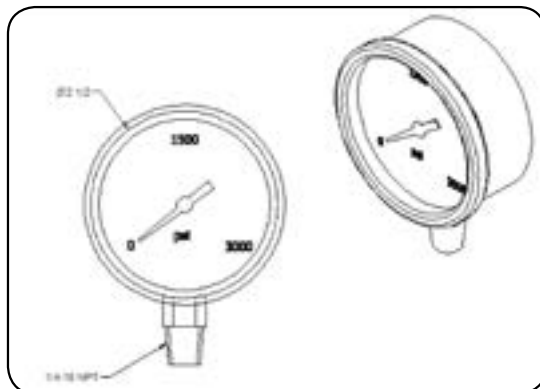
Multiple connections help utilize the tractor's fully hydraulic power and flow. Use the tractor's flow controls to regulate total output. See hydraulic connections for hydraulic drive in previous "OPERATIONS" sections.

NOTE: The dual connections help utilize full tractor hydraulic power at the cart hydraulic motor. For tractors that have more than 55 GPM available pump output, use tractor flow controls to regulate total output to a maximum of 55 GPM.

4. Engage hydraulic drive circuits at low engine RPM one at a time, then increase engine to full throttle. See hydraulic connections for hydraulic drive in previous "OPERATIONS" sections for cold starts.
5. While watching hydraulic pressure gauge, begin slowly opening flow control door. Stop opening flow control door when pressure (on hydraulic gauge by pump) climbs to within 200 psi less than maximum tractor hydraulic pressure. Ideally, maintaining maximum PTO RPM will optimize unloading performance.

IMPORTANT

- If auger stalls during unloading, **immediately** place tractor hydraulic controls for motor functions in **FLOAT** to stop auger. Close flow control door, then move all hydraulic controls to **HOLD**. Relieve auger grain pressure by opening auger cleanout door to remove some grain before attempting to restart auger.
6. To slow or stop grain flow, close flow door rather than reducing tractor RPM. Close flow door fully when unloading is complete.
 7. Stop auger by placing both auger hydraulic circuits in FLOAT. This reduces strain on driveline components and prolongs hydraulic motor life. Move controls to HOLD after auger has come to a complete stop.
 8. Choose an area free from obstructions and fully fold auger to the transport position.



Weather Guard Tarp

Always use adequate caution when operating tarp.

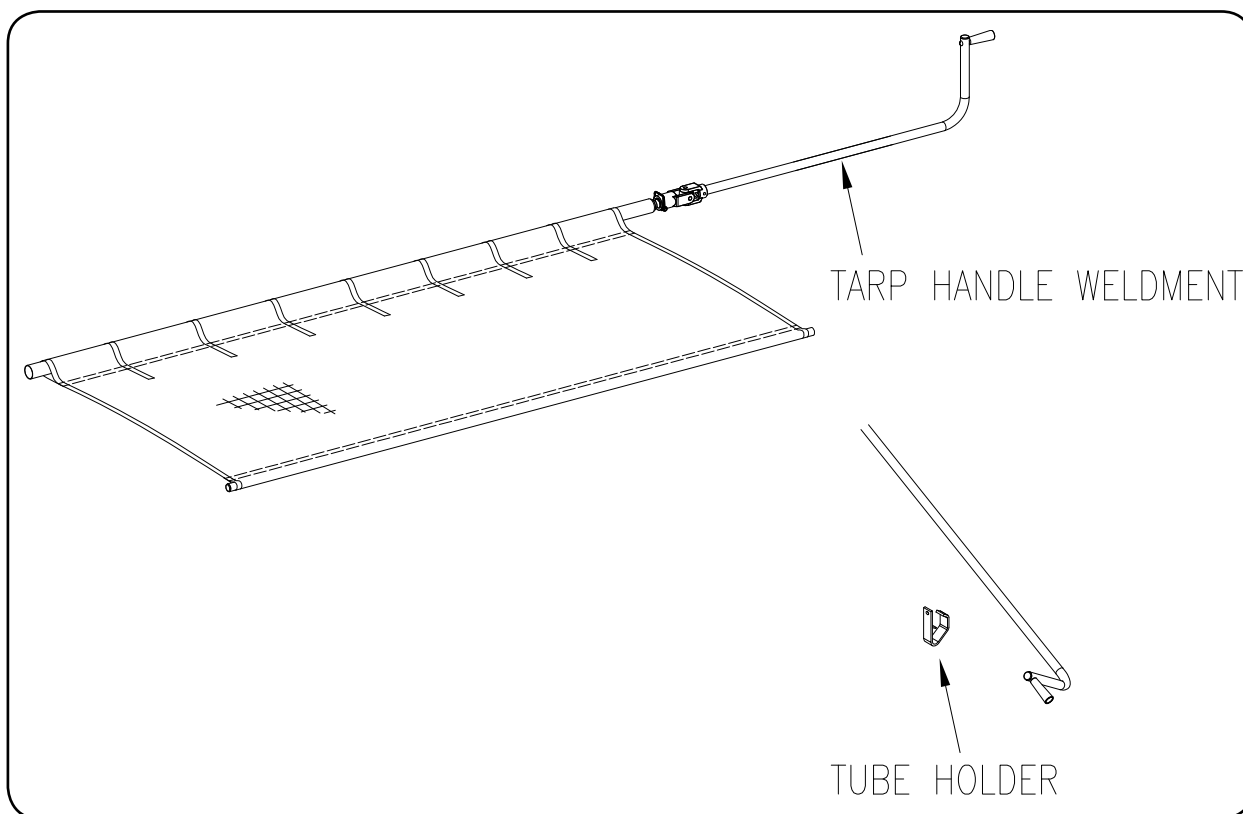
If tarp is covered with snow/ice, remove snow/ice before operating.

End caps must be free from grain that may be piled on them. Grain should not be heaped higher than end caps.

Tarp should be fully opened or completely closed during field operation.

Procedure

1. Remove the lynch pin from the tube holder/handle bracket weldment.
2. Using both hands, carefully remove the tarp handle weldment from the tube holder/handle bracket weldment.
3. Raise the tarp handle weldment high in the air and at the rear of the box.
4. Roll the tarp to the desired location - fully open or fully closed position.
5. Walk the tarp handle weldment out then back toward the middle to tighten the tarp and position it in the tube holder/handle bracket weldment and re-insert the lynch pin.



Notes

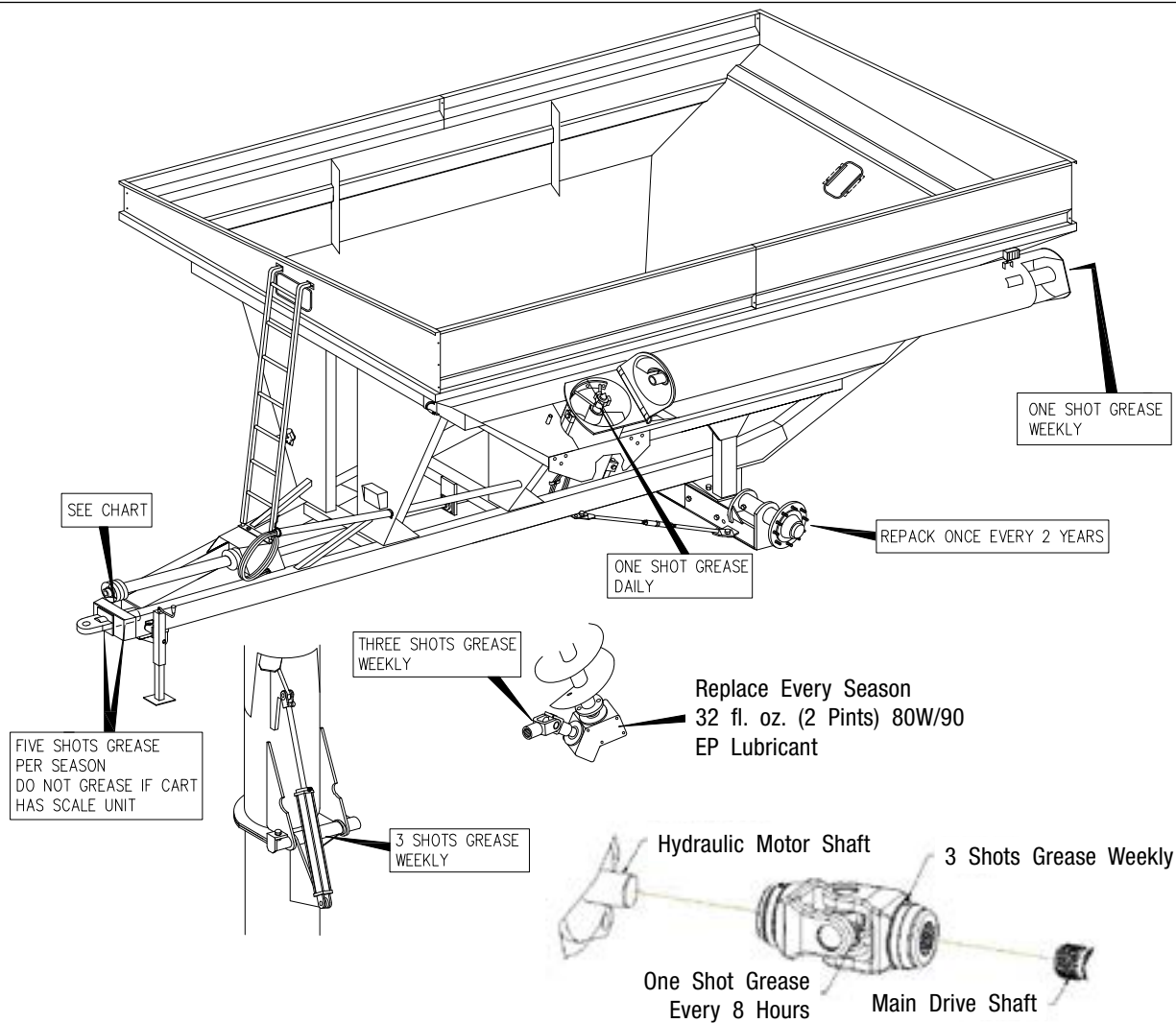
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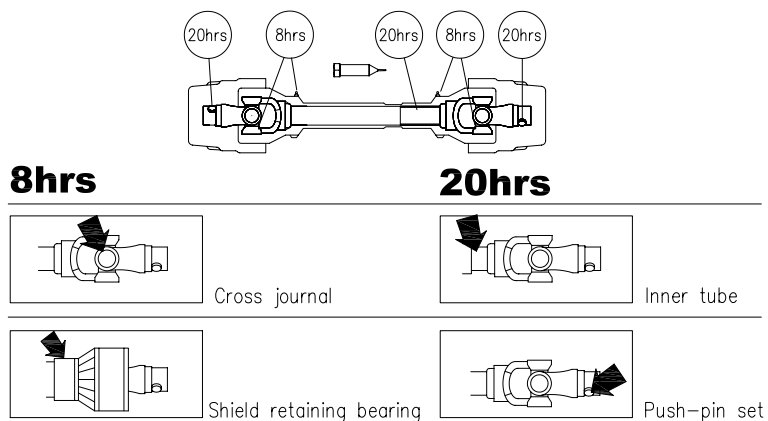
FOR SCALE INFORMATION, PLEASE REFER TO YOUR SCALE MANUAL.
FOR HYDRAULIC DRIVE INFORMATION, PLEASE REFER TO YOUR HYDRAULIC DRIVE MANAUL.

Lubrication

To keep your grain cart in top operating condition and to assure its proper performance and reliability for a long period of time, periodic inspection and lubrication is a must.



LUBRICATION INSTRUCTIONS FOR DRIVE LINE



COAT INNER AND OUTER PROFILES AT BEGINNING AND END OF EACH SEASON

Auger Driveline

Bearings

It is important to periodically check set screws in all bearings at either end of the driveline for tightness.

Gear Box

The fluid level plug is on the right side of the gear box. The fill plug is in the front of the axle on the left side of the gear box (Standing behind the cart looking toward the tractor).

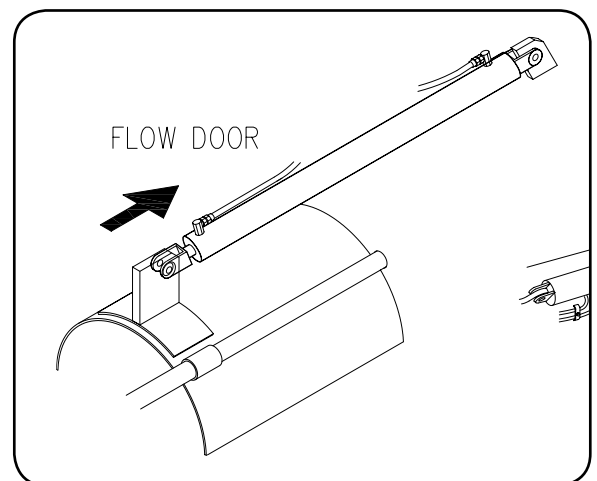
For maximum gear box life:

Check the oil level every two weeks.

Replace the oil every season, 2 -2 1/2 pints of 80W90 EP weight oil.

Seasonal Storage

Fully open the flow door and auger cleanout door to remove any remaining grain and to allow moisture to drain.



Auger System

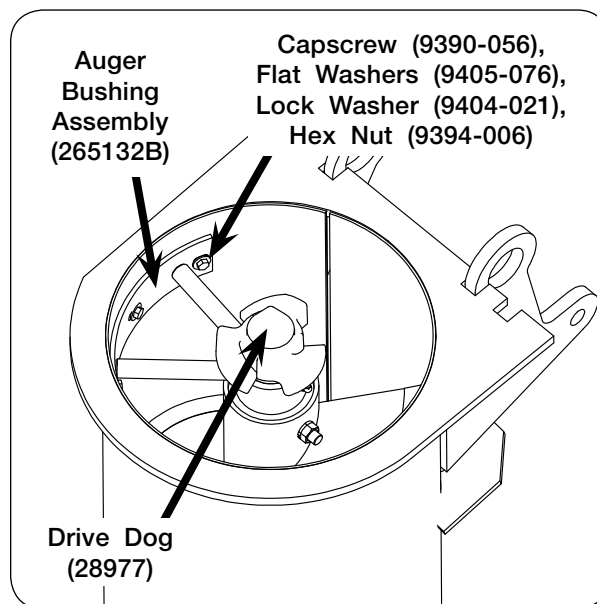
WARNING

- **MOVING OR ROTATING COMPONENTS CAN CAUSE SERIOUS INJURY OR DEATH. ALWAYS DISCONNECT POWER SOURCE BEFORE SERVICING. ENSURE SERVICE COVERS, CHAIN/BELT COVERS AND CLEAN-OUT DOOR(S) ARE IN PLACE AND SECURELY FASTENED BEFORE OPERATING MACHINE.**
- **FALLING OBJECTS CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT WORK UNDER THE MACHINE AT ANY TIME WHILE BEING HOISTED. BE SURE ALL LIFTING DEVICES AND SUPPORTS ARE RATED FOR THE LOADS BEING HOISTED. THESE ASSEMBLY INSTRUCTIONS WILL REQUIRE SAFE LIFTING DEVICES UP TO 1,200 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**
- **NEVER ENTER CART WITH AUGER OR TRACTOR RUNNING . SERIOUS OR FATAL INJURY CAN OCCUR DUE TO ENTANGLEMENT WITH ROTATING COMPONENTS. ALWAYS STOP ENGINE AND REMOVE KEY BEFORE ENTERING CART.**
- **TO PREVENT PERSONAL INJURY OR DEATH, ALWAYS ENSURE THAT THERE ARE PEOPLE WHO REMAIN OUTSIDE THE CART TO ASSIST THE PERSON WORKING INSIDE, AND THAT ALL SAFE WORKPLACE PRACTICES ARE FOLLOWED. THERE IS RESTRICTED MOBILITY AND LIMITED EXIT PATHS WHEN WORKING INSIDE THE IMPLEMENT.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHILE SERVICING IMPLEMENT.**



Lower Auger Disassembly

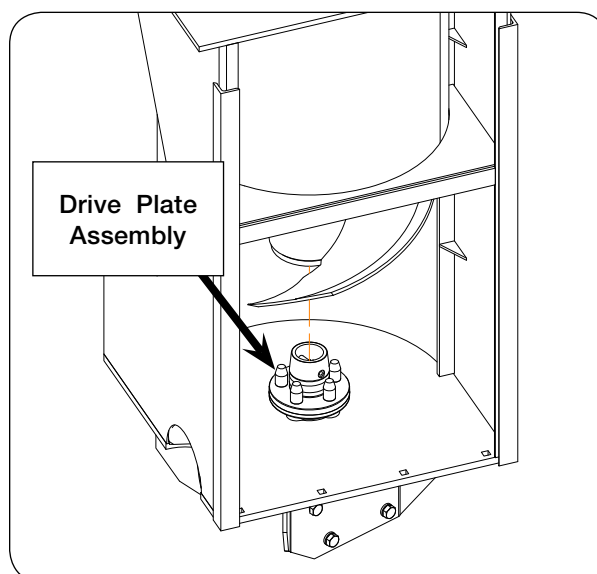
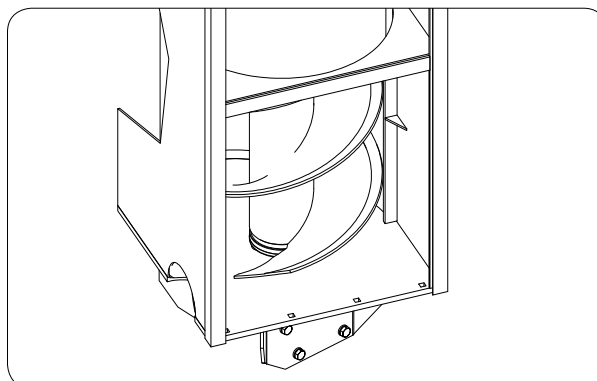
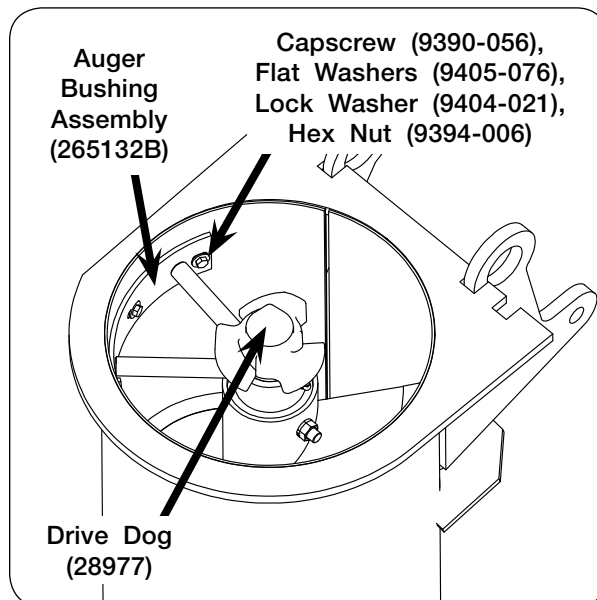
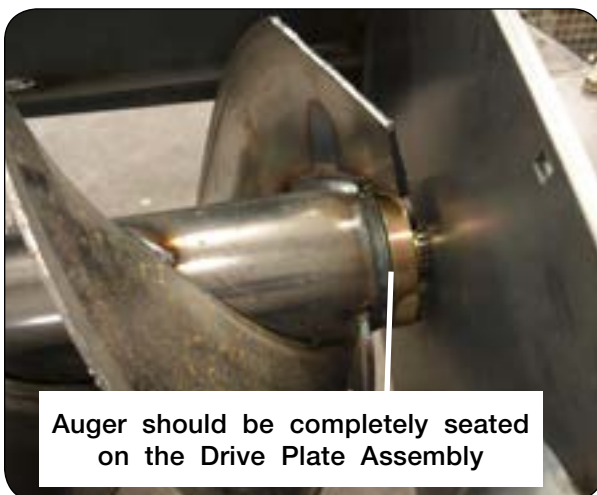
1. Remove the three capscrews (9390-056), six flat washers (9405-076), three lock washers (9404-021) and hex nuts (9394-006) which secures the auger bushing assembly (265132B) to the auger tube.
2. Using a lifting device rated for 1200 lbs., remove the auger from the auger tube and perform the required repair or replacement.
3. Remove the two capscrews (9390-136), lock washers (9404-029) and hex nuts (9394-014) which secures the drive dog to the auger.



Auger System (continued)

Lower Auger Assembly

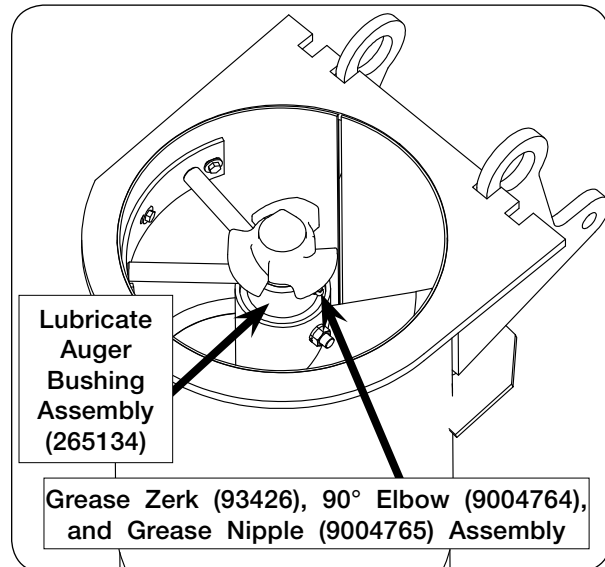
1. Assemble the drive dog (28977) and auger bushing assembly (265132B) to the auger and secure with two 5/8"-11UNC x 6" capscrews (9390-136), lock washers (9404-029) and hex nuts 5/8"-11UNC (9394-014).
2. Install the lower auger sub-assembly into the lower auger housing (286436). Align auger end with the three pin drive bushing and securely engage together. Secure hanger bearing to housing wall with three 3/8"-16UNC x 1 1/4" capscrews (9390-056), six flat washers (9405-076), three lock washers (9404-021) and hex nuts 3/8"-16UNC (9394-006). Do not tighten.
3. Tighten hanger bearing weldment hardware.
4. Rotate auger 360 degrees to ensure it is centered on the drive plate assembly (286436) and the three pins are engaged with auger end. Check for flighting interference or binding along housing and at lower end. A portion of flighting may need to be removed from lower end of auger to ensure operational clearances



Auger System (continued)

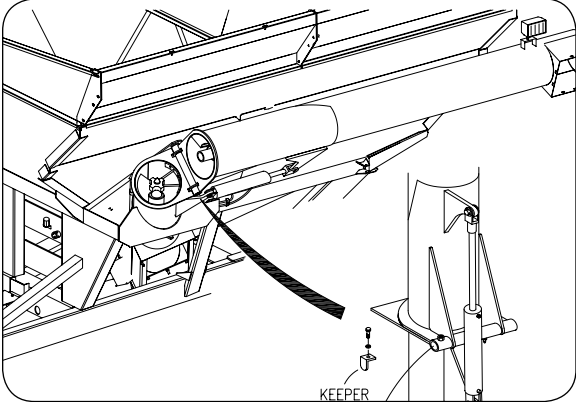
Lower Auger Assembly (continued)

5. Raise the upper auger into position, checking upper drive dog engagement with lower auger drive dog.
6. Lower the upper auger. Lubricate the auger bushing assembly (265134). Check and remove any loose parts in the auger tube interior prior to start-up.



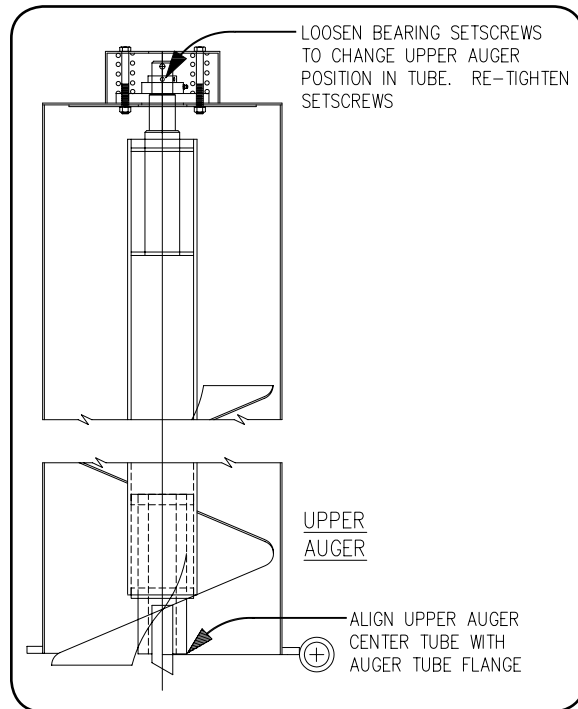
Auger System (continued)

Upper Auger Disassembly

1. Support the upper auger assembly with hoist and slings rated for a minimum of 1200 lbs.
2. Remove the hose clamps and auger tube cylinder pin, and carefully swing the cylinder down without breaking the hose connections.
3. Disconnect the auger light.
4. With the auger tube fully supported, remove the pivot pin keeper and hinge pin. The hinge pin end is center threaded to allow the attachment of the removal tool (i.e., slide hammer).
5. Lift the upper auger assembly from the unit. Repair or replace as required.
6. To remove the auger from the tube, loosen two bearing setscrews and remove the 5/16" x 2" machine screw retainer.
7. Inspect the upper auger bearing, springs, and four 1/2" x 5 1/2" capscrews and locknuts. Replace if necessary.

Auger System (continued)**Upper Auger Assembly**

1. Install the upper bearing and spring assembly if it was previously removed in Step 6 under upper auger disassembly.
2. Using a safe lifting device rated for 1200 lbs., insert the auger into the auger tube. Back out the bearing setscrews and insert the auger stub shaft through the bearing. Retain the auger with a 5/16" x 2" machine screw and nut.
3. Position the opposite auger end flush with the auger tube flange and tighten the bearing setscrews and a 5/16" x 2" machine screw.
4. Lift the upper auger assembly into position and install the pivot pin and keeper.
5. Connect the auger light.
6. Swing up the hydraulic cylinder, reinstall the pin, and cotter pin. Clamp the hoses into position and recheck the connector tightness.



Verifying Telescoping PTO Shaft Length

⚠ WARNING

- **PROPER EXTENDED AND COLLAPSED LENGTHS OF THE TELESCOPING PTO SHAFT MUST BE VERIFIED BEFORE THE FIRST OPERATION WITH EACH AND EVERY TRACTOR. IF THE EXTENDED LENGTH OF THE PTO SHAFT IS NOT SUFFICIENT, IT MAY BECOME UNCOUPLED IN OPERATION AND CAUSE SERIOUS INJURY OR DEATH FROM CONTACT WITH UNCONTROLLED FLAILING OF THE PTO SHAFT ASSEMBLY COMPONENTS.**

An excessive collapsed length can result in damage to the PTO driveline and attached components. This is the most likely to occur during extreme turning angles and/or travel over rough terrain. Damaged driveline components can result in unsafe operation and severely reduced driveline component life.

NOTE: Do not exceed 10 degrees beyond a straight pull line while operating the PTO.

To verify proper extended and collapsed lengths, use the following procedure:

1. Fully collapse PTO shaft and measure length "L" (Fig. 1).

Enter here: _____ (1)

Verify that the outer tube does not bottom out on the surrounding plastic shield components.

2. Pull apart PTO telescoping shaft ends and measure lengths "T" & "C" (Fig. 2)

Add "T" + "C" measurements together

Enter total here: _____ (2)

3. Calculate maximum recommended extended length:

- a. Subtract line 1 from line 2

Enter here: _____ (a)

- b. Divide line (a) by 2

Enter here: _____ (b)

- c. Add line (b) to line 1.

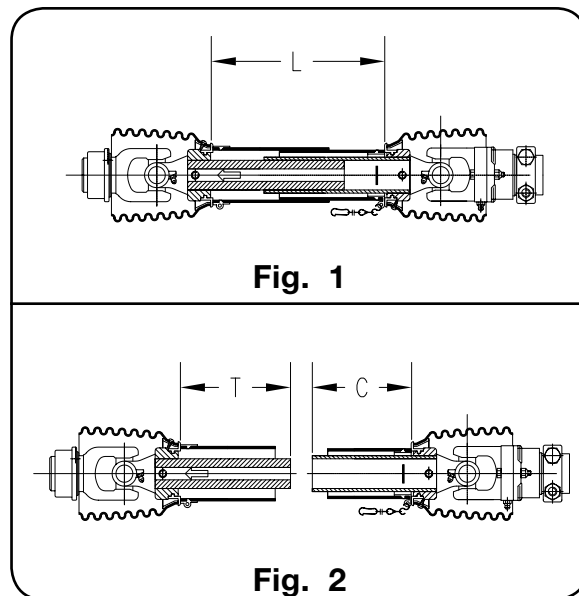
Enter here: _____ (c)

- d. Subtract 3 inches from line (c)

Enter here: _____ (d)

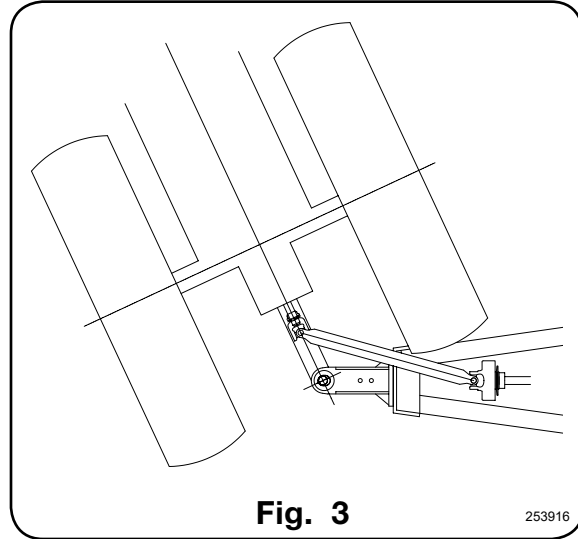
This is the maximum recommended extended length.

4. Hitch the tractor drawbar to the cart, ensuring that the tractor and cart are on level ground and coupled as straight as practical.
5. Connect the PTO shaft to the tractor, and measure length "L" from the same points as used in step 1. Ensure that this measurement does not exceed the maximum recommended extended length calculated in step 3. If necessary, choose a shorter drawbar position, or obtain a longer PTO shaft assembly before operating the cart.

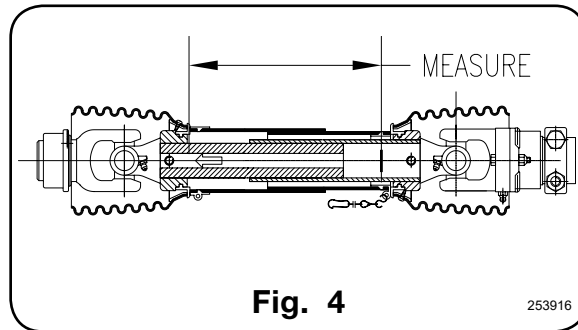


Verifying Telescoping PTO Shaft Length (continued)

6. Position the tractor to obtain the tightest turning angle, relative to the cart (Fig. 3).



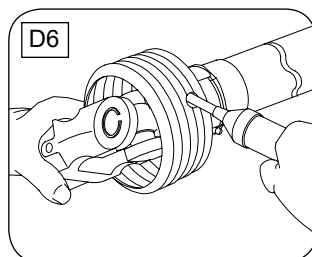
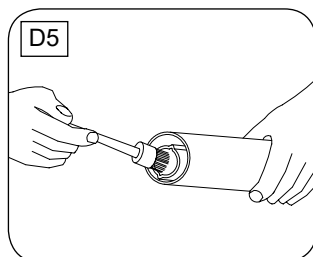
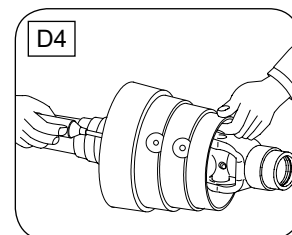
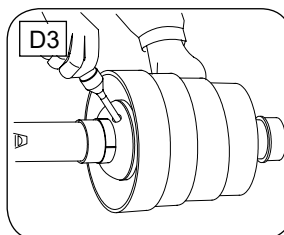
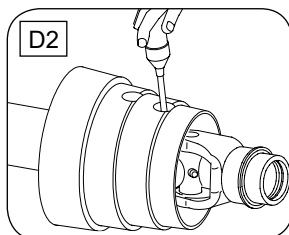
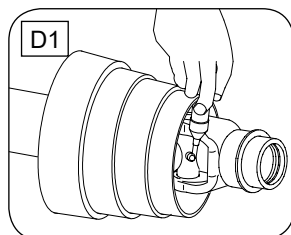
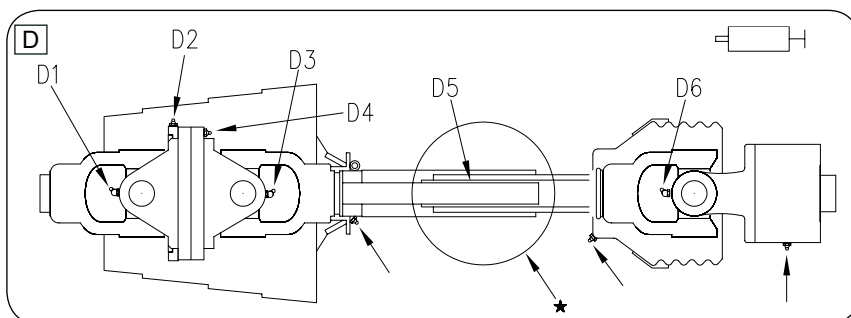
7. Measure the length “L” from the same points as used in step 1. **This distance must be at least 1.5 inches greater than the distance measure in step 1.** If necessary, adjust the length of the PTO shaft by cutting the inner and outer plastic guard tubes and inner and outer sliding profiles by the same length. Round off all sharp edges and remove any burrs before greasing and reassembling the shaft halves.



PTO Shaft and Clutch

Lubrication (Figs. D1 - D6)

Lubricate with quality grease before starting work and every 8 operating hours. Clean and grease PTO drive shaft before each prolonged period of non-use. Molded nipples on the shield near each shield bearing are intended as grease fittings and should be lubricated every 8 hours of operation! Telescoping members must have lubrication to operate successfully regardless of whether a grease fitting is provided for that purpose! Telescoping members without fittings should be pulled apart and grease should be added manually. Check and grease the guard tubes in winter to prevent freezing.



PTO Shaft and Clutch (continued)

Coupling the PTO drive shaft (Figs. E1 - E2)

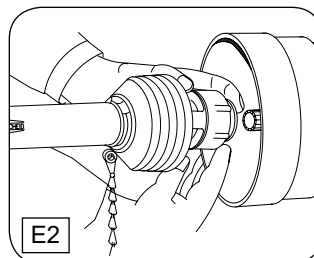
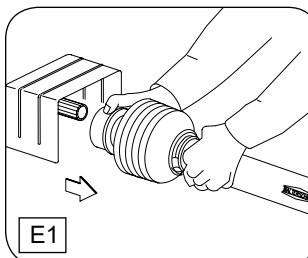
Clean and grease the PTO and implement input connection (IIC)

AS-Lock

1. Pull locking collar and simultaneously push PTO drive shaft onto PTO shaft until the locking device engages.

Push-Pull Lock

2. Pull locking collar and simultaneously push PTO drive shaft onto PTO shaft until the locking device engages.



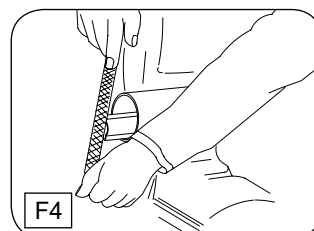
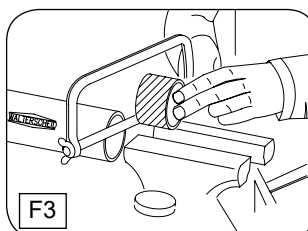
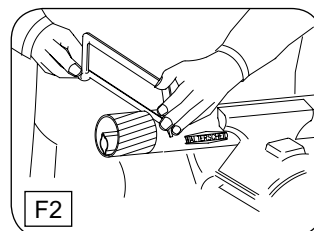
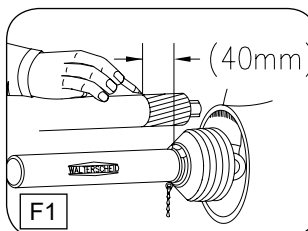
WARNING

- CHECK TO INSURE ALL THE LOCKS ARE SECURELY ENGAGED BEFORE STARTING WORK WITH THE PTO DRIVESHAFT.

Length Adjustment (Figs. F1 - F4)

NOTE: Maximum operating length LB.

1. To adjust length, hold the half-shafts next to each other in the shortest working position and mark them.
2. Shorten inner and outer guard tubes equally.
3. Shorten inner and outer sliding profiles by the same length as the guard tubes.
4. Round off all sharp edges and remove burrs. Grease sliding profiles.



WARNING

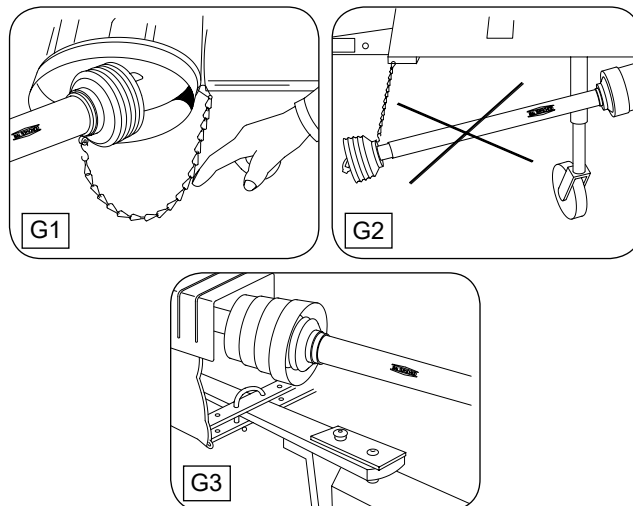
- CHECK THE LENGTH OF THE TELESCOPING MEMBERS TO INSURE THE DRIVELINE WILL NOT BOTTOM OUT OR SEPARATE WHEN TURNING AND/OR GOING OVER ROUGH TERRAIN.

PTO Shaft and Clutch (continued)

Chains (Figs. G1 - G3)

NOTE: The chain is intended to prevent the shield from rotating against non-moving parts and thereby preventing shield damage. A properly installed chain will increase the service life of the shield.

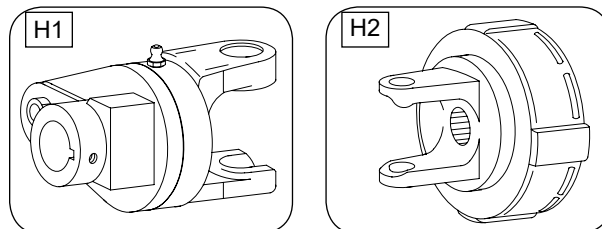
1. Chains must be fitted so as to allow sufficient articulation of the shaft in all working positions. Care must be taken to be sure that chain does not become entangled with drawbar hitch or other restrictions during operation or transport of machine.
2. The PTO drive shaft must not be suspended from the chain.



Shear Bolt and Friction Clutches (Figs. H1 - H2)

1. Shear bolt clutches:

When the torque is exceeded, power flow is interrupted due to the bolt shearing. The torque is re-established by replacing the broken shear bolt. Use only the bolt specified in the Operator's Manual for replacement. Remove locking screw.

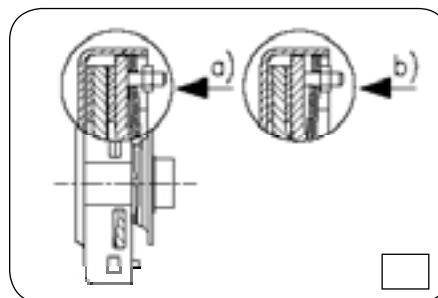


Friction clutches:

When overload occurs, the torque is limited and transmitted constantly during the period of slipping. Short-duration torque peaks are limited.

Prior to first utilization and after long periods out of use, check working of disk clutch.

- a. Tighten nuts until friction disks are released. Rotate clutch fully.
- b. Turn nuts fully back. Now the clutch is ready for use. Fig. H3 shown.



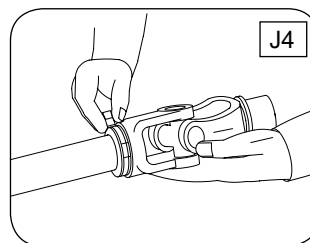
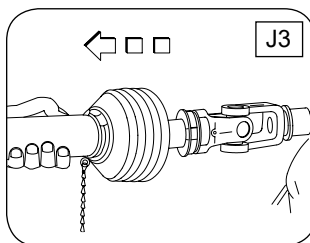
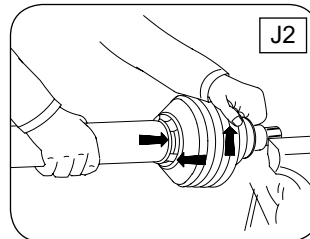
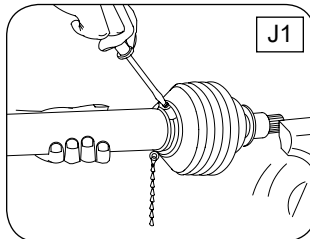
CAUTION

- **AVOID EXTENDED AND FREQUENT SLIPPAGE OR OVER-LOAD CLUTCHES.**

PTO Shaft and Clutch (continued)

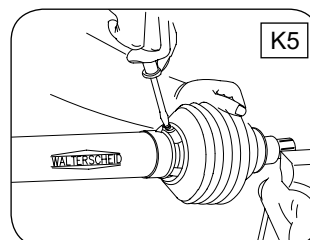
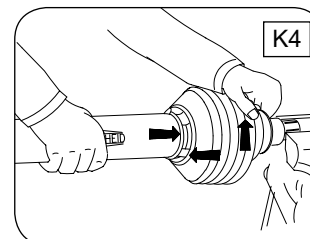
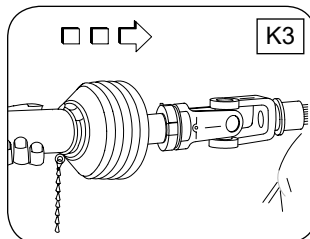
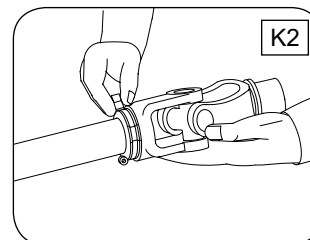
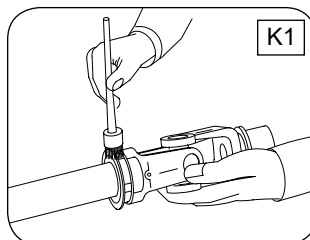
To Dismantle Guard (Figs. J1 - J4)

1. Remove locking screw.
2. Align bearing tabs with cone pockets.
3. Remove half-guard.
4. Remove bearing ring.



To Assemble Guard (Figs. K1 - K5)

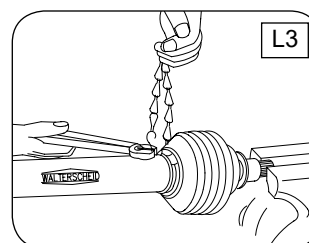
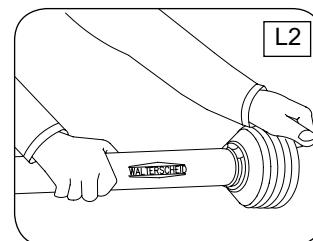
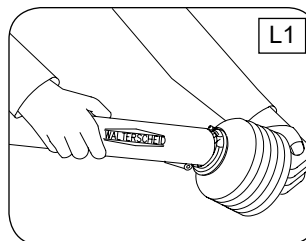
1. Grease yoke groove and inner profile tube.
2. Fit bearing ring in groove with recesses facing profile tube.
3. Slip on half-guard.
4. Turn cone until it engages correctly.
5. Install locking screw.



PTO Shaft and Clutch (continued)

To Assemble Cone (Figs. L1 - L3)

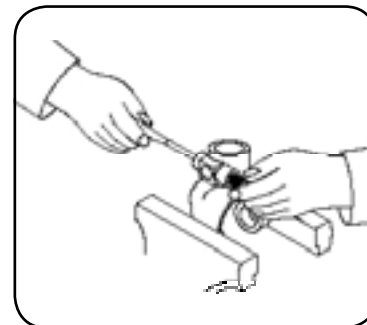
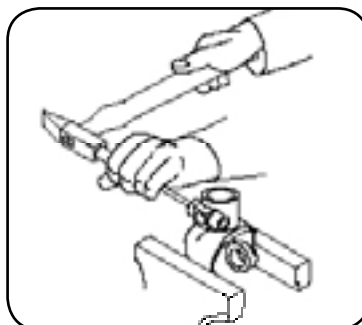
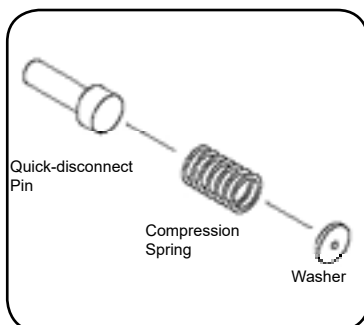
1. Dismantle guard (Figs. J1 - J3). Remove old cone (e.g. cut open with knife). Take off chain. Place neck of new cone in hot water (approx 80°C/180°F) and pull onto bearing housing (Fig. L1).
2. Turn guard cone into assembly position (Fig. L2). Further assembly instructions for guard (Figs. K1 - K5).
3. Reconnect chain if required (Fig. L3).



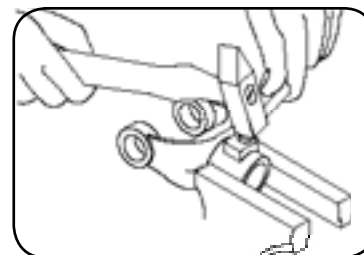
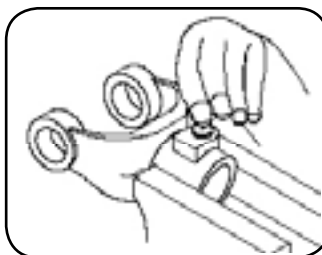
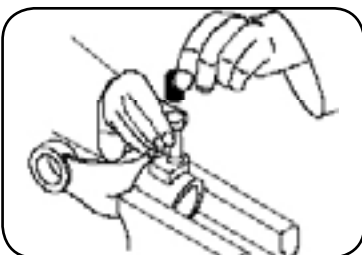
PTO Quick Disconnect

Quick Disconnect Pin

Using a drift punch and hammer, drive the pin towards the retaining washer to force the complete assembly out. Clear the edges of the retaining washer bore to accept the new one by removing the deformed metal from the last peening operation to hold the washer in place.



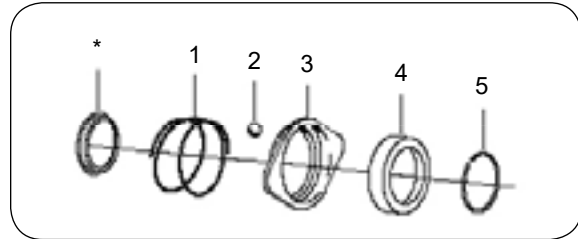
Insert quick-disconnect pin, compression spring and washer into hole, Holding the washer in place,peen the edges of the pore seat to retain the washer, spring and pin.



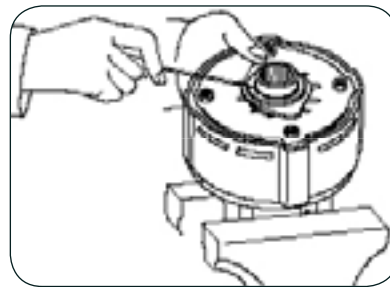
PTO Quick Disconnect (continued)

Quick Disconnect Disassembly

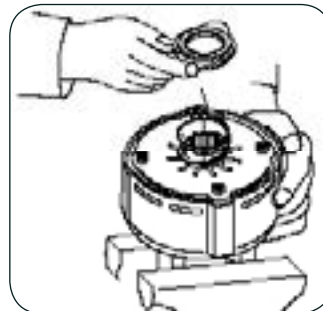
1. Compression Spring
2. Ball
3. Lock Collar
4. Back-up ring
5. Snap ring
 - * Back-up ring
 - * (For some clutch types, place additional back up ring first).



Compress lock collar (#3) and remove snap ring right (#5).

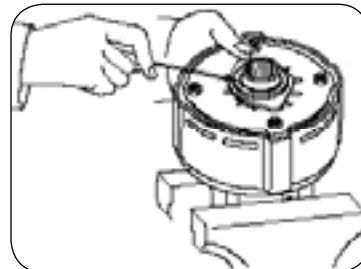
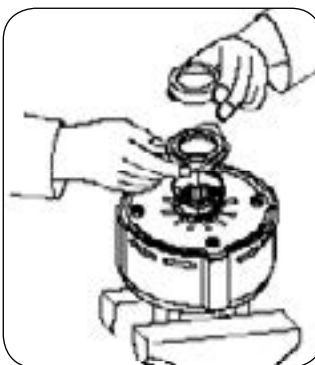
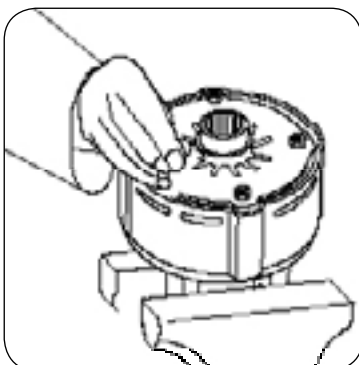


Remove back-up ring, lock collar, compression spring and balls.



Quick Disconnect Assembly

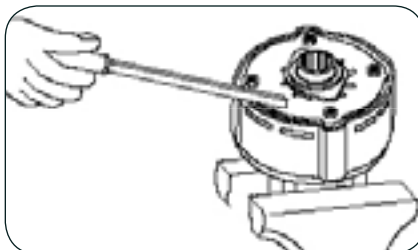
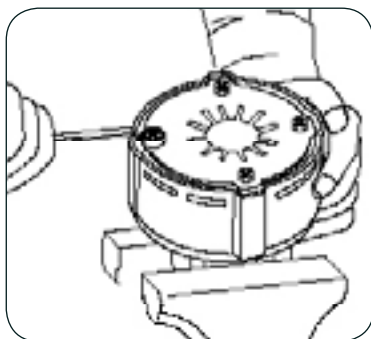
Insert balls. Place compression spring, lock collar and back-up ring onto the hub. Remove back-up ring, lock collar, compression spring and balls.



PTO Quick Disconnect (continued)

Clutch Disassembly

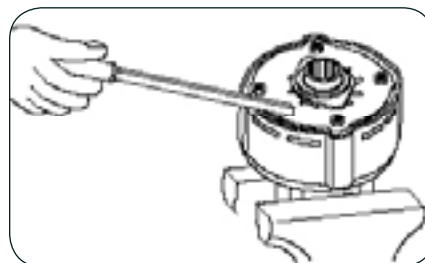
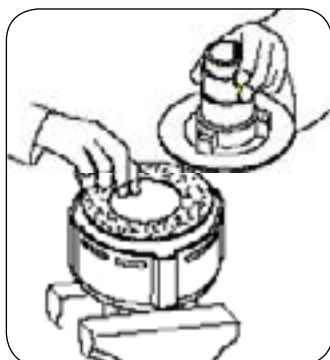
Tighten the four hex nuts (12) uniformly until the clutch pack and hub are loose. Use special tool 9002007 to bend all four retaining lugs back on the edge of the clutch housing. Remove the thrust plate with Belleville springs to get at the friction disks, drive plates and hub for inspection and service.



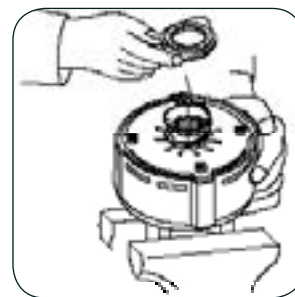
Clutch Assembly

Place hub and friction disks into the clutch housing. Note that items #8 and (are only used in the four plate clutch. Next, compress the Belleville spring(s) to the pressure plate by tightening the four hex nuts and placing them into the clutch housing as illustrated.

Use special tool #9002007 to bend the retaining lugs inward over the Belleville spring edges to secure the springs when you back the four hex nuts off. (Note: Wide lugs for one (1) Belleville spring, narrow lugs for two (2) Belleville springs).



With the lugs in place, loosen the four hex nuts completely to the end of the threaded studs. Replace the quick-disconnect assembly.



Tarp Troubleshooting Inspection & Maintenance

PROBLEM	SOLUTION
TARP SAGS IN MIDDLE AREAS	<ol style="list-style-type: none">1. BOWS MAY BE BENT OR ADJUSTED TOO LOW2. MISSING OR LOOSE RIDGE STRAP REPLACE OR RETIGHTEN3. TENSION MAY BE TOO LOOSE. U-JOINT MAY NEED TO BE ADJUSTED ON SPLINED SHAFT TO PROVIDE MORE TENSION
HOLES OR TEARS IN TARP	<ol style="list-style-type: none">1. CONSULT YOUR LOCAL DEALER FOR REPAIRS2. ORDER TARP REPAIR KIT FROM DEALER3. WHEN NEW TARP OR PARTS ARE NEEDED ALWAYS REPLACE WITH ORIGINAL PARTS

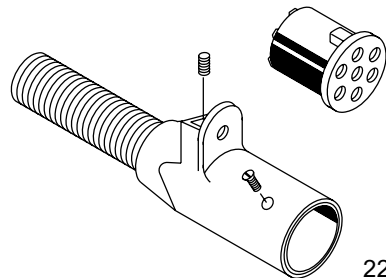
Inspection and Maintenance

- Periodic preventive maintenance should be practiced. Inspect tarp and hardware often for abrasions or loosened bolts that may need adjustment and/or repair. Check stretch cord for wear and adjust tension whenever needed.
- If installed correctly, tarp should always operate as well as when first installed. If tarp does not pass this simple inspection, make all appropriate repairs or adjustments immediately before serious damage occurs.

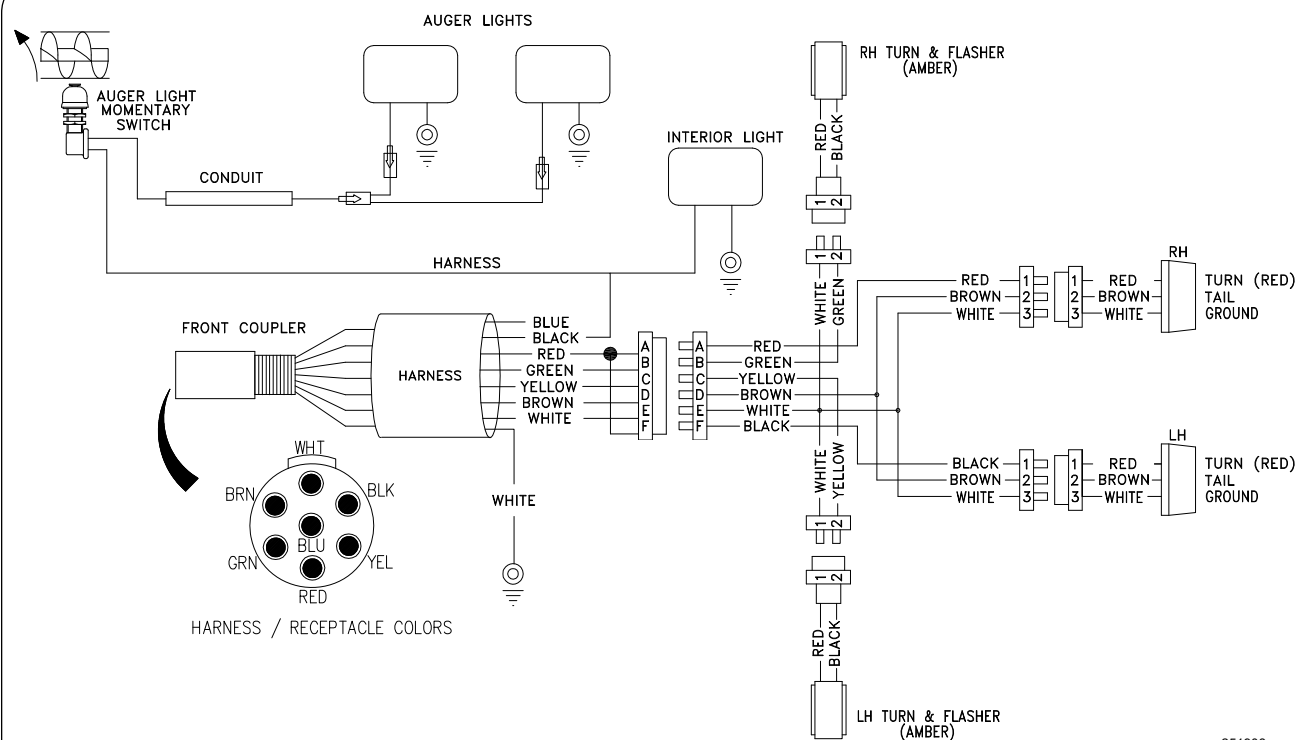
Electrical System Schematic

GRAIN CART WIRES

White -- Ground
 Green -- Right amber flashing lamp
 Yellow -- Left amber flashing lamp
 Brown -- Tail light
 Black -- Interior & Auger Lights
 Red -- Brake Lights

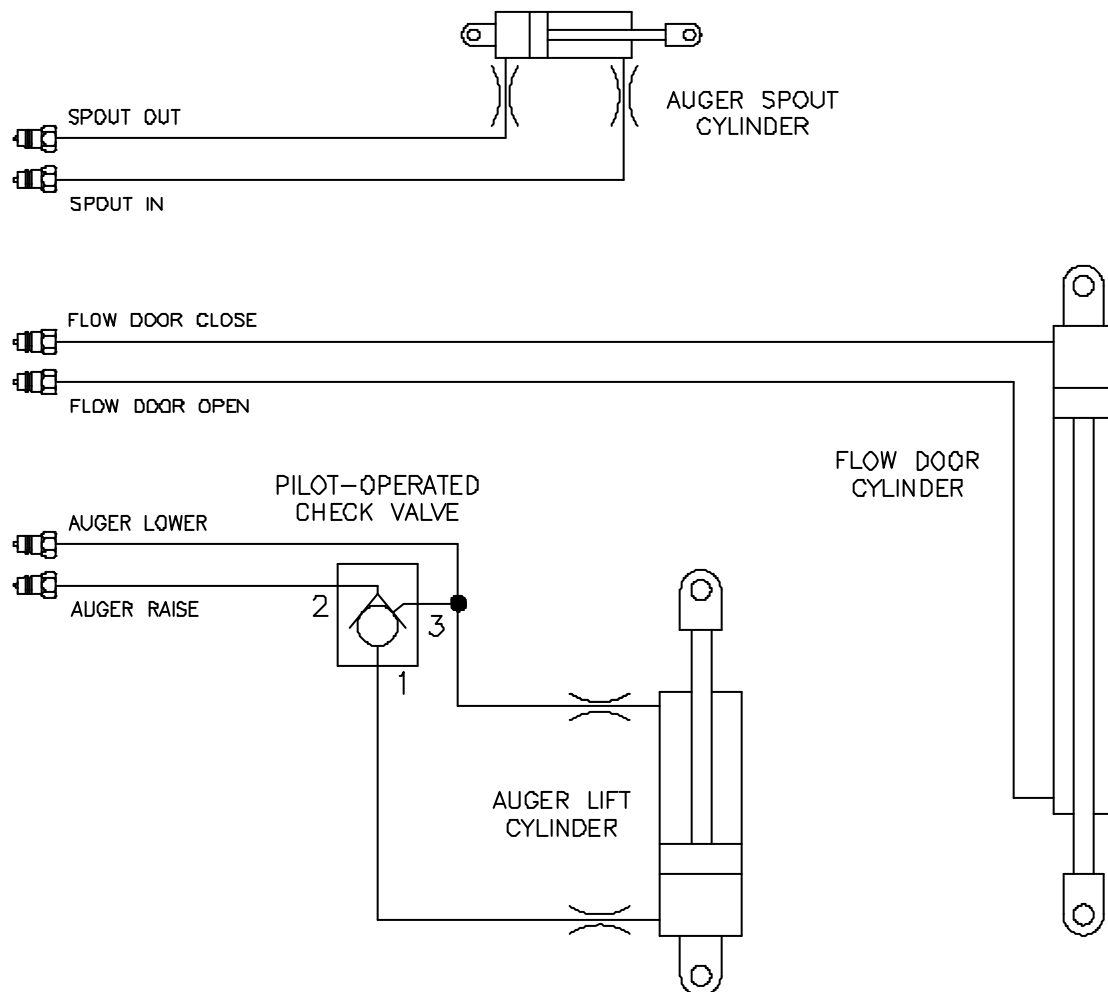


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Hydraulic System Schematic



Wheels and Tires

Wheel Nut Torque Requirements

CAUTION

- IMPROPERLY TORQUED WHEEL NUTS/BOLTS CAN CAUSE A LOSS OF IMPLEMENT CONTROL AND MACHINE DAMAGE. TORQUE WHEEL NUTS/BOLTS TO VALUES IN TABLE. CHECK TORQUE BEFORE USE, AFTER ONE HOUR OF UNLOADED USE OR AFTER FIRST LOAD, AND EACH LOAD UNTIL WHEEL NUTS/BOLTS MAINTAIN TORQUE VALUE. CHECK TORQUE EVERY 10 HOURS OF USE THERE-AFTER. AFTER EACH WHEEL REMOVAL START TORQUE PROCESS FROM BEGINNING. WARRANTY DOES NOT COVER FAILURES CAUSED BY IMPROPERLY TORQUED WHEEL NUTS/BOLTS.

Failure to check torque before first load may damage wheel nut/bolt seats. Once seats are damaged, it will become impossible to keep nuts/bolts tight. Tighten nuts/bolts to applicable torque value shown in table. Start all nuts/bolts by hand to prevent cross threading. Torque nuts/bolts in the recommended sequence as shown in Diagram 1.

WHEEL HARDWARE	
SIZE	FOOT-POUNDS
3/4-16 (UNF)	365 ft.-lbs.
7/8-14 (UNF)	440 ft.-lbs.
M22x1.5	475 ft.-lbs.

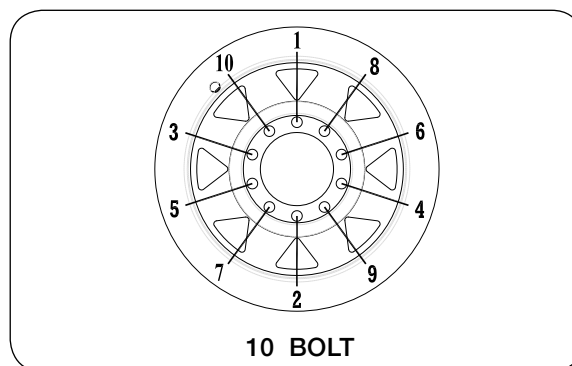


DIAGRAM 1

Wheels and Tires (continued)**Tire Pressure**

The following is to be used as a general guide for tire inflation and figures can vary depending on specific brand of tire used. **It is important that tires are inspected after unit is loaded.** Start with minimum pressure indicated. The tire should stand up with no side-wall buckling or distress as tire rolls. Record the pressure needed to support the full load and maintain this pressure to achieve proper tire life. **Do not exceed maximum recommended tire pressure.** Each tire must be inflated to 35 PSI max to seat the beads, deflated to 5-10 PSI, then reinflated to the tire's max PSI when mounting.

TIRE SIZE AND BRAND	LOAD INDEX/PLY RATING	MAXIMUM PSI
23.1x26 R-3 - Firestone	12	32
23.1x26 R-1 - Firestone	12	32
28Lx26 R-3 - Firestone	12	26
24.5x32 R-3 - Firestone	12	32
24.5x32 R-1 - Firestone	12	32
30.5x32 R-1 - Firestone	14	28
30.5x32 R-3 - Firestone	14	28
30.5x32 R-3 - Firestone	16	34
35.5x32 R-3 - Firestone	20	36
76x50.00x32 HF-3 - Firestone	16	40
76x50.00x32 HF-3 - Firestone	20	50
900/60x32 R-1 - Firestone	176A8	44
520/85x38 R-1 - Firestone	155A8	29
520/85x38 R-1 - Firestone	173A8	72
480/80x42 R-1 - Firestone	151A8	36
520/85x42 R-1 - Firestone	157A8	29
520/85x42 R-1 - Firestone	165A8	51
420/80x46 R-1 - Firestone	151A8	44
480/80x46 R-1 - Firestone	158A8	44
380/90x46 R-1 - Firestone	152B	51
1250/50R32 R-1 - Firestone	201D	46
800/65R32 R-1W - Firestone	172A8	44
800/60R32 R-3 - Firestone	181B	58
23.1x26 R-3 - Titan/Goodyear	10	26
23.1x26 R-1 - Titan/Goodyear	10	26
24.5x32 R-3 - Titan/Goodyear	12	32
24.5x32 R-1 - Titan/Goodyear	12	32
30.5x32 R-3 - Titan/Goodyear	16	26
30.5x32 R-3 - Titan/Goodyear	14	22

Wheels and Tires (continued)

Tire Pressure (continued)

TIRE SIZE AND BRAND	LOAD INDEX/PLY RATING	MAXIMUM PSI
30.5x32 R-1 - Titan/Goodyear	14	22
480/80x42 R-1 - Titan/Goodyear	166A8	23
900/60x32 R1W - Mitas	176A8	41
1050/50x32 R1W - Mitas	178A8	41
900/60x38 R1W - Mitas	181A8	44
650/65x42 R1W - Mitas	168A8	44
520/85x42 R1W - Mitas	162A8	44
900/70R32 R1W - Mitas	188A8	53
1250/50R32 R-1W - Mitas	188A8	41
35.5LR32 - Alliance	193A8	44
900/60x32 R-1 - Trelleborg	181A8	55
900/60x32 - Trelleborg	176LI	44

(All tire pressures in psi)

Tire Warranty

For questions regarding new tire warranty, please contact your local original equipment tire dealer. **USED TIRES CARRY NO WARRANTY.** Following are phone numbers and Websites for your convenience:

Firestone www.firestoneag.com
Phone 800-847-3364

Titan www.titan-intl.com
or Phone 800-USA-BEAR
Goodyear Fax 515-265-9301

Trelleborg www.trelleborg.com
Phone 866-633-8473

Continental/Mitas www.mitas-tires.com
Phone 704-542-3422
Fax 704-542-3474

Alliance www.atgtire.com
Phone 781-325-3801

Complete Torque Chart

Capscrews - Grade 5

NOTE:

- Grade 5 capscrews can be identified by three radial dashes on the head.
- For wheel torque requirements, refer to Wheels and Tires.
- Tighten U-bolts evenly and equally to have the same number of threads exposed on each end.



SIZE	FOOT POUNDS	NEWTON METERS
1/4-20	8-10	11-13
1/4-28	9-11	12-15
5/16-18	15-17	20-23
5/16-24	17-19	23-26
3/8-16	25-28	34-38
3/8-24	28-31	38-42
7/16-14	40-45	54-61
7/16-20	45-50	61-68
1/2-13	62-68	84-92
1/2-20	68-75	92-102
9/16-12	90-98	122-133
9/16-18	100-110	134-148
5/8-11	120-135	162-183
5/8-18	124-137	168-186
3/4-10	200-220	270-300
3/4-16	210-230	285-310
7/8-9	330-350	425-475
7/8-14	360-380	460-515
1-8	500-525	675-710
1-14	540-560	730-760
1 1/8-7	600-635	815-860
1 1/8-12	665-700	920-950
1 1/4-7	850-895	1150-1215
1 1/4-12	940-990	1275-1340
1 3/8-6	1125-1175	1525-1590
1 3/8-12	1280-1335	1735-1810
1 1/2-6	1500-1560	2035-2115
1 1/2-12	1685-1755	2285-2380

IMPORTANT

- Follow these torque recommendations except when specified in text.

Complete Torque Chart**Capscrews - Grade 8****NOTE:**

- Grade 8 capscrews can be identified by six radial dashes on the head.
- For wheel torque requirements, refer to Wheels and Tires.
- Tighten U-bolts evenly and equally to have the same number of threads exposed on each end.

SIZE	FOOT POUNDS	NEWTON METERS
5/16-18	20-22	27-30
5/16-24	21-23	28-31
3/8-16	35-39	47-53
3/8-24	36-41	49-55
7/16-14	54-58	73-78
7/16-20	55-60	75-80
1/2-13	82-88	110-120
1/2-20	94-99	125-135
9/16-12	127-134	170-180
9/16-18	147-155	199-210
5/8-11	160-170	215-230
5/8-18	165-175	225-235
3/4-10	280-295	380-400
3/4-16	330-365	445-495
7/8-9	410-430	555-580
7/8-14	420-440	570-595
1-8	630-650	850-880
1-14	680-700	920-950
1 1/8-7	900-930	1220-1260
1 1/8-12	930-950	1260-1290
1 1/4-7	1250-1300	1695-1760
1 1/4-12	1280-1320	1735-1790

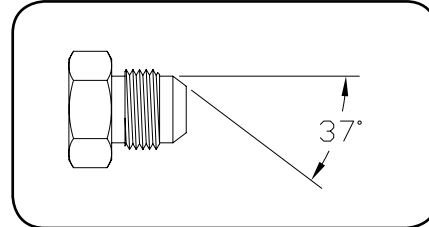
IMPORTANT

- Follow these torque recommendations except when specified in text.

Hydraulic Fittings - Torque and Installation

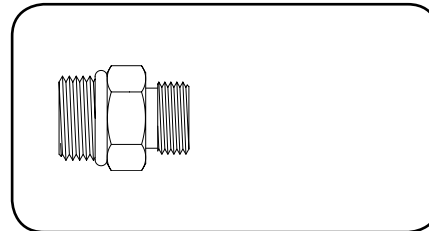
SAE FLARE CONNECTION (J. I. C.)

1. Tighten nut with finger until it bottoms the seat.
2. Using a wrench, rotate nut to tighten. Turn nut 1/3 turn to apply proper torque.



SAE STRAIGHT THREAD O-RING SEAL

1. Insure jam nut and washer are backed up to the back side of smooth portion of elbow adapter.
2. Lubricate o-ring.
3. Thread into port until washer bottoms onto spot face.
4. Position elbows by backing up adapter.
5. Tighten jam nut.



Section V Parts

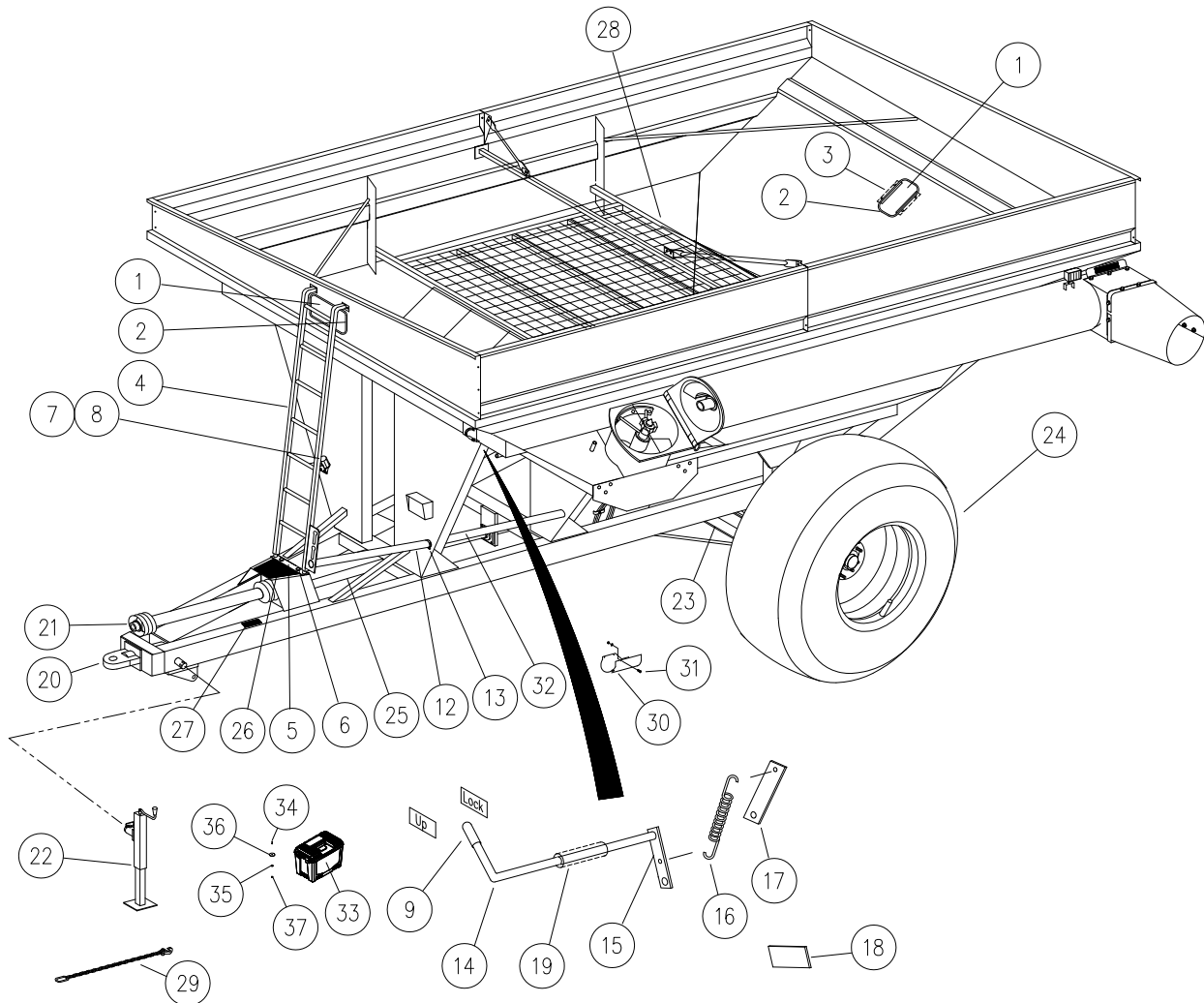
Please visit www.unverferth.com/parts/ for the most current parts listing.

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FOR SCALE INFORMATION, PLEASE REFER TO YOUR SCALE MANUAL.
FOR HYDRAULIC DRIVE INFORMATION, PLEASE REFER TO YOUR HYDRAULIC DRIVE MANUAL.

Final Assembly

Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.	QTY	NOTES
1	Window	92403	2	220512 Kit Incl. Items 1 through 3
2	Window Molding	250431	2	
3	Bracket, Window Retaining	250461B	4	
	Capscrew 1/4-20UNC x 3/4	9390-003	8	
	Locknut 1/4-20UNC	9936	8	
4	Ladder	251062B	1	Models 7250 & 8250
		251254B		Model 9250
5	Bracket, Ladder	251069B	1	
6	Flange Screw 3/8-16UNC x 3/4	95585	4	
	Flange Nut 3/8-16UNC	91263	4	
7	Connector Holder	9001968	1	
8	Capscrew 1/4-20UNC x 3/4	9390-003	2	
	Lock Washer 1/4	9404-017	2	
	Hex Nut 1/4-20UNC	9394-002	2	
9	Cap Plug, Hose Bracket	9001803	1	

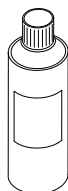
Final Assembly

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY	NOTES
12	Hose Tube, Plastic - 63"	251389	1	Models 7250 & 8250
	Hose Tube, Plastic - 96"	234210	1	Model 9250
13	Hose Clamp, 3"	TA800922	1	
14	Rod, Indicator	250776B	1	Models 7250 & 8250
		267070B		Model 9250
15	Arm, Indicator	250777B	1	
16	Spring, Indicator	92971B	1	
17	Mount	250778	1	
18	Plate	9-2075	1	Model 9250
19	Pipe	7-0345	2	
20	Hitch	See Page 5-4	1	
21	PTO	See Page 5-21		
22	Jack Assembly	9003299	1	Models 7250 & 8250
		9003295		Model 9250
23	Axle Assembly	See Pages 5-5 & 5-6	1	
24	Wheels	See Page 5-10	-	
25	PTO Shield	250192B	1	Models 7250 & 8250
		265184B		Model 9250
26	Pad, PTO Shield	9001496	1	11 x 13 3/4
27	Pad, Runner	9001497	2	2 7/8 x 7
28	Screen Weldment	N/A	-	
29	Transport Chain	94098	1	Model 7250
		9003278		Models 8250 & 9250
30	Guard	251086B	1	
31	Capscrew 3/8-16UNC x 1	9390-055	3	
	Flat Washer 3/8	9405-076	3	
	Locknut 3/8-16UNC	9928	3	
32	Pipe, PTO Guard	251049	1	50 1/2" - Models 7250 & 8250
		251163		33 1/8" - Model 9250
		251164		50 1/4" - Model 9250
33	Storage Box	9005850	1	
34	Capscrew 1/4-20UNC x 1 1/4	9390-006	2	Grade 5
35	Flat Washer 1/4"	9405-064	4	
36	Fender Washer	94763	2	
37	Locknut 1/4-20UNC	9936	2	

Touch-Up Paint

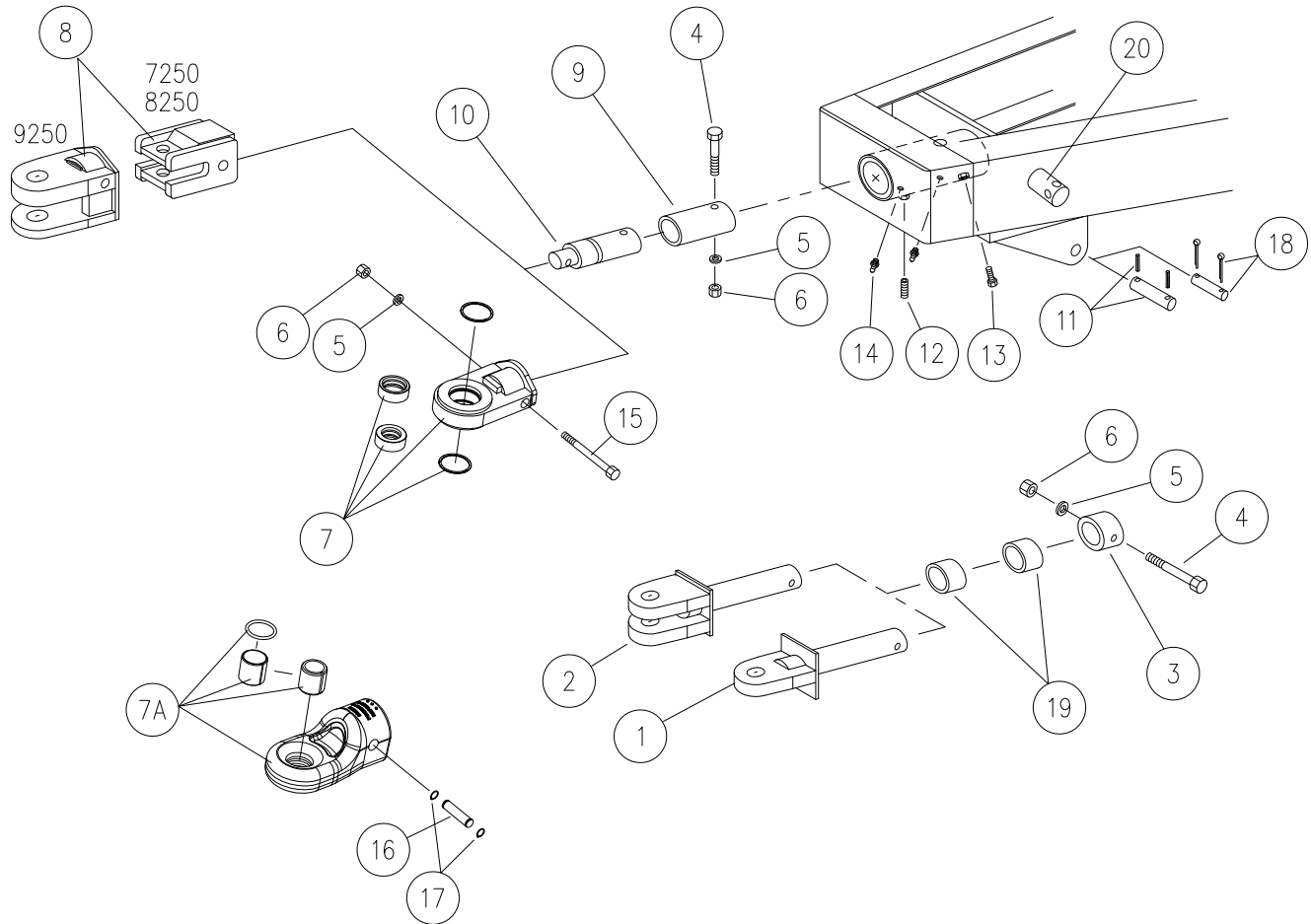
Please visit www.unverferth.com/parts/ for the most current parts listing.



PAINT	SPRAY
Black	9000533
Green	9001791
Red	9002197
Primer, Gray	9000592

Hitch

Please visit www.unverferth.com/parts/ for the most current parts listing.



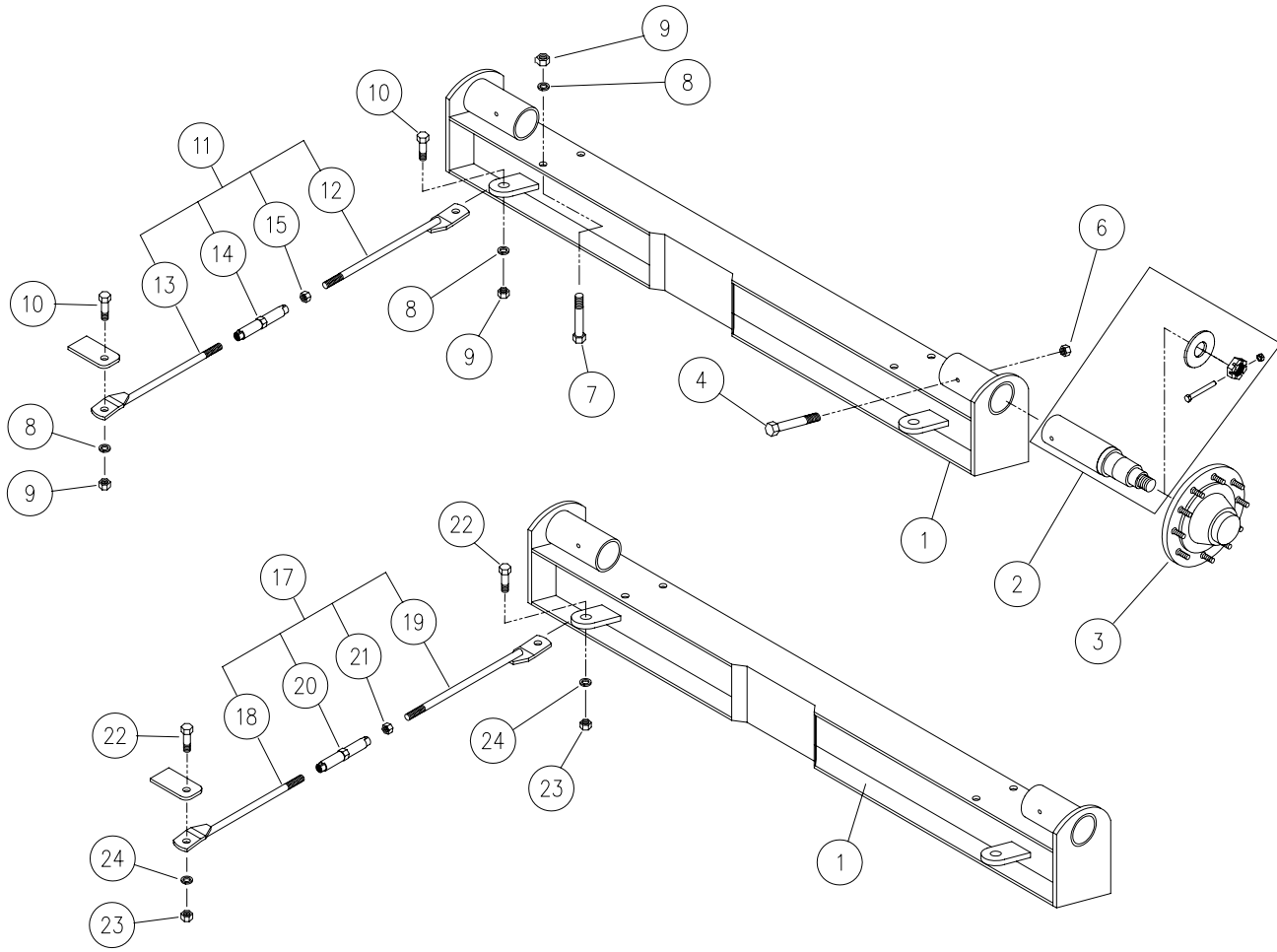
Hitch

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.		QTY.	NOTES
		7250, 8250	9250		
	Hitch Assembly - Standard	233711B	267032	1	Includes Items: 1 through 5
1	Swivel Hitch, Single Tang	200002B	267019B	1	
2	Swivel Hitch, Clevis	200029B	254548B	1	
3	Retainer	200031B	>	1	
4	Capscrew, 1-8 UNC x 6	9390-195	>	1	
5	Lock Washer, 1	9404-041	>	1	
6	Nut, 1-8 UNC	9394-020	>	1	
7	Scale Hitch, Single Tang	266800B	-	1	
	Bushing, 3 OD x 2.265 ID x 1 1/4	-	266797	-	
	Bushing, 3 OD x 1.765 ID x 1 1/4	-	266796	-	Used with 266800B
	Retaining Ring	-	9003554	2	
7A	Scale Hitch, Single Tang	-	266822	1	
	Hitch Only	-	282875B	-	
	Bushing 2 OD x 1.516 ID x 2	-	9001917	-	
	Bushing 2 OD x 1.75 ID x 2	-	9002130	-	Split Tension Bushing
	O-Ring	-	9005259	-	Used with 9002130
8	Scale Hitch, Clevis	200004B	265205B	1	
9	Bushing, Scale Hitch	200032	265212	1	
10	Scale Weigh Bar	9004902	9004903	1	2 1/2" / 2 7/8"
11	Pin, Transport Chain	250151	>	1	1 1/4 x 3 3/4" - Models 8250, 9250
	Roll Pin, 5/16 x 2	9392-159	>	2	
12	Setscrew, 1/2-13 UNC x 1 1/4	9399-111	>	1	
13	Capscrew, 1/2-13 UNC x 1 1/4	9390-100	>	1	
14	Grease Zerk	91160	>	2	
15	Capscrew, 1-8 UNC x 7 1/2	9390-198	-	1	
	Capscrew, 1-8 UNC x 8	-	9390-199	1	
16	Pin	-	250843	1	1 x 4 3/8"
17	Retaining Ring	-	91192	2	
18	Pin, Transport Chain	804572	-	1	1 x 3 1/2" - Model 7250 only
	Cotter Pin, 3/16 x 2	9391-046	-	2	
19	Bushing, 3" I.D.	7-0063	>	2	
20	Swivel Tube for Jack	9991	-	1	

Rigid Axle - Models 7250/8250

Please visit www.unverferth.com/parts/ for the most current parts listing.



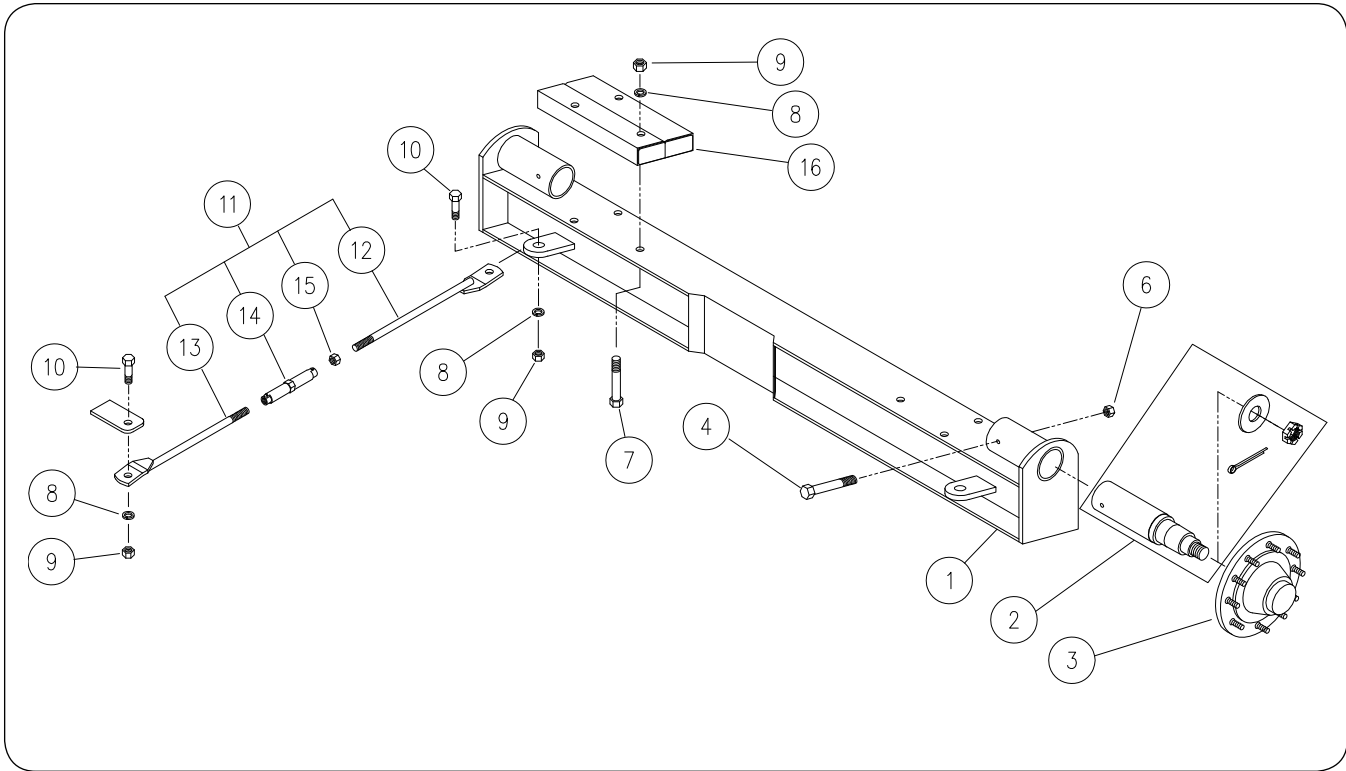
Rigid Axle - Models 7250/8250

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.			QTY	NOTES
		Single Tires	7250 Duals	8250 Duals		
	Axle Assembly, 122" =Green=	250591G-SER	--	--	1	Includes Items 1 through 6
	Axle Assembly, 122" =Red=	250591R-SER	--	--		
1	Axle Weldment, 122" =Green=	233696G	--	--	1	
	Axle Weldment, 122" =Red=	233696R	--	--		
2	Spindle, 3.75" Dia.	250605	--	--		Incl. 250601, Nut, Washer, Bolt
	Spindle, 3.75" Dia. - Scale	250684	--	--		Incl. 9002009, Nut, Washer, Bolt
	Spindle, 4.50" Dia.	--	200177	>		Incl. 280240, Nut, Washer, Bolt
	Spindle, 4.50" Dia. - Scale	--	250692	>		Incl. 9002855, Nut, Washer, Bolt
3	Hub					Refer to "Hub" in Part Pages
4	Capscrew, 5/8-11UNC x 6	9390-136	>	>	2	
6	Lock Nut, 5/8-11UNC	95905	>	>	2	
7	Capscrew, 1-8UNC x 3	9390-187	>	>	4	
8	Lock Washer, 1"	9404-041	>	>	8	
9	Hex Nut, 1-8UNC	9394-020	>	>	8	
10	Capscrew, 1-8UNC x 2 1/2	9390-185	>	>	4	
11	Axle Brace Assembly	265560B	>	>	2	N/A for 120" Axle Asy
12	Axle Brace, RH Thread	265558B	>	>	1	28"
13	Axle Brace, LH Thread	265559B	>	>	1	26"
14	Center Turnbuckle	62324B	>	>	1	
15	Jam Nut, 1 1/4-7UNC	9395-041	>	>	2	
16	Axle Brace Bundle =Black=	2006563B	-	>	1	Includes Items 17-24
17	Axle Brace Assembly =Black=	250608B	-	>	2	Includes Items 18-21
18	Axle Brace Weldment, RH =Black=	250636B	-	>	1	
19	Axle Brace Weldment, LH =Black=	250637B	-	>	1	
20	Turnbuckle =Black=	62324B	-	>	1	
21	Hex Jam Nut Heavy, 1/4- 7UNC Gr.5	9395-041	-	>	1	
22	Capscrew, 1-8UNC x 2 1/2 Gr.5	9390-185	-	>	4	
23	Hex Nut, 1-8UNC Gr.5	9394-020	-	>	4	
24	Lock Washer, 1"	9404-041	-	>	4	

Rigid Axle - Model 9250

Please visit www.unverferth.com/parts/ for the most current parts listing.



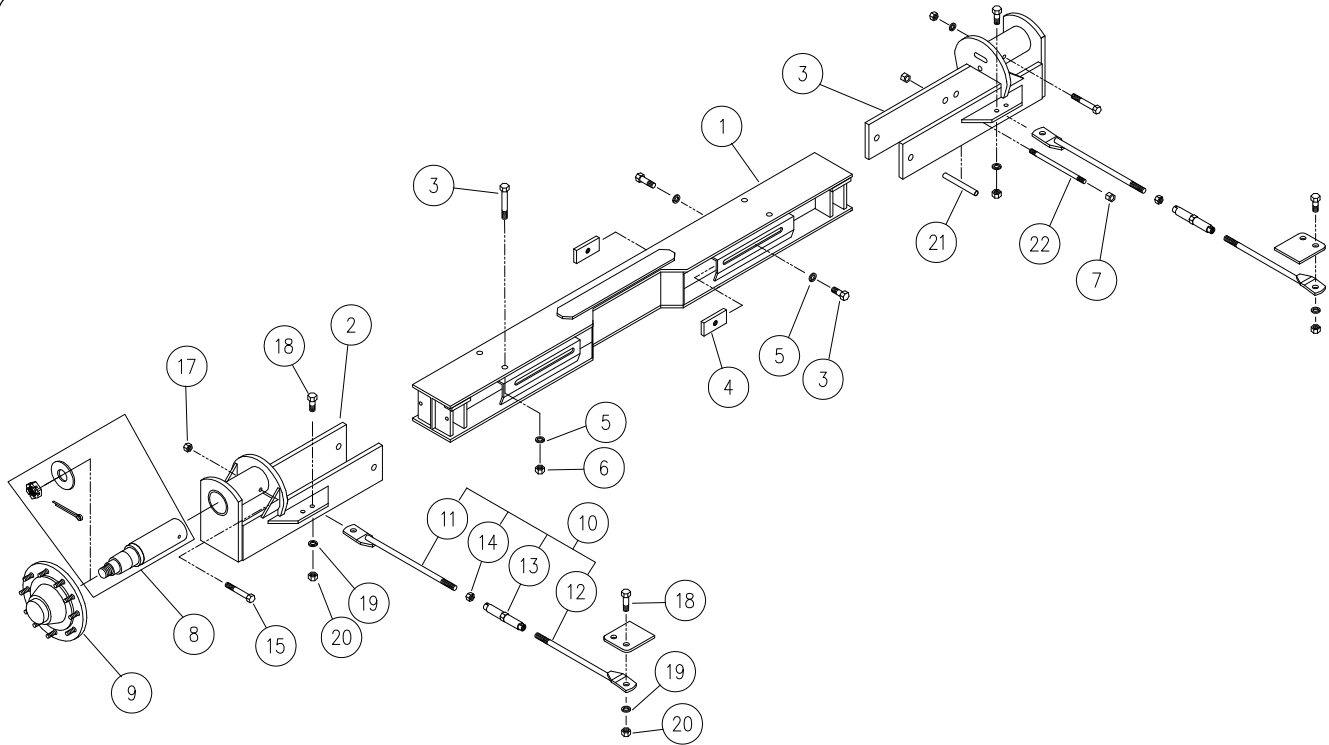
Rigid Axle - Model 9250

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY		NOTES
			Single 134" 3.75"	Dual 144" 4.50"	
	Rigid Axle Assembly - 134" =Green=	254251G-SER	1	-	Includes Items 1-6
	Rigid Axle Assembly - 134" =Red=	254251R-SER			
	Rigid Axle Assembly - 144" =Green=	254385G-SER	-	1	
	Rigid Axle Assembly - 144" =Red=	254385R-SER			
1	Axle Weldment - 134" =Green=	254250G	1	-	
	Axle Weldment - 134" =Red=	254250R			
	Axle Weldment - 144" =Green=	254386G	-	1	
	Axle Weldment - 144" =Red=	254386R			
2	Spindle 3.75" Dia.	250605	2	-	Incl. 250601, Nut, Washer, Bolt
	Spindle 4.50" Dia.	200177	-	-	Incl. 280240, Nut, Washer, Bolt
	Scale Spindle 3.75" Dia.	250684	2	-	Incl. 9002009, Nut, Washer, Bolt
	Scale Spindle 4.50" Dia.	250692	-	-	Incl. 9002855, Nut, Washer, Bolt
3	Hub	-	2	-	Refer to "Hub" in Part Pages
4	Capscrew 5/8-11UNC x 6	9390-136	2	2	
6	Lock Nut 5/8-11UNC	95905	2	2	
7	Capscrew 1-8UNC x 3	9390-187	4	-	
	Capscrew 1-8UNC x 6	9390-195	-	4	
8	Lock Washer 1"	9404-041	8	8	
9	Hex Nut 1-8UNC	9394-020	8	8	
10	Capscrew 1-8UNC x 2 1/2	9390-185	4	4	
11	Axle Brace Assembly	265560B	2	2	Includes Items 12-15
12	Axle Brace, RH Thread	265558B	1	1	28"
13	Axle Brace, LH Thread	265559B	1	1	26"
14	Center Turnbuckle	62324B	1	1	
15	Jam Nut, 1 1/4-7UNC	9395-041	1	1	
16	Axle Spacer Weldment	265245B	-	-	

Adjustable Axle 120-154" - Model 7250/8250

Please visit www.unverferth.com/parts/ for the most current parts listing.



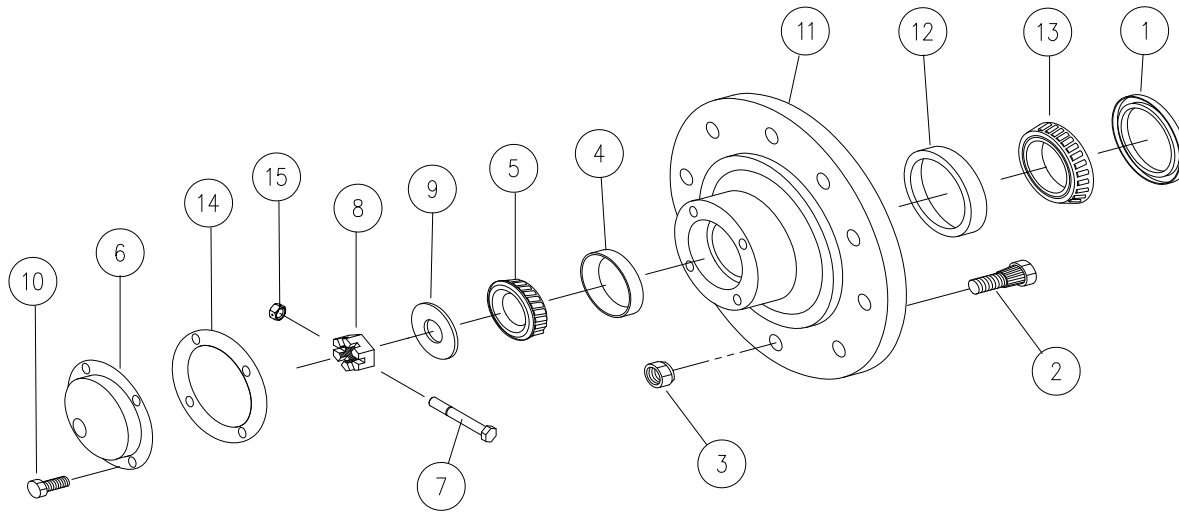
Adjustable Axle 120-154" - Model 7250/8250

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.		QTY	NOTES
		Singles	Duals		
	Adjustable Axle Asy =Green=	265555G	265691G	1	Includes Items 1-6
	Adjustable Axle Asy =Red=	265555R	265691R		
1	Axle Weldment =Green=	265532G	>	1	
	Axle Weldment =Red=	265532R	>		
2	Axle End =Green=	265598G	265689G	2	
	Axle End =Red=	265598R	265689R		
3	Capscrew 1-8UNC x 3	9390-187	>	8	
4	Clamp Plate	265539B	>	4	
5	Lock Washer 1"	9404-041	>	8	
6	Hex Nut 1-8UNC	9394-020	>	4	
7	Locknut 1-8UNC	92199	>	4	
8	Spindle Asy, 3.750" Dia.	250605	-	2	Incl. 250601, Nut Washer & Bolt
	Spindle Asy, 3.750" Dia. SCALE	250684	-		Incl. 9002009, Nut Washer & Bolt
	Spindle Asy, 4.50" Dia.	-	200177		Incl. 280240, Nut Washer & Bolt
	Spindle Asy, 4.50" Dia. SCALE	-	250692		Incl. 9002855, Nut Washer & Bolt
9	Hub =Green=	200079G	-	2	Refer to "Hub" Components for Singles & Duals in the Section
	Hub =Red=	200079R	-		
	Hub =Green= Model 7250 Only	-	200144G		
	Hub =Red= Model 7250 Only	-	200144R		
	Hub =Green= Model 8250 Only	-	233668G		
	Hub =Red= Model 8250 Only	-	233668R		
10	Axle Brace Assembly	250608B	>	2	Includes Items 12 - 15
11	Axle Brace, RH Threaded	250636B	>	2	23 1/8" Long
12	Axle Brace, LH Threaded	250637B	>	2	22 1/8" Long
13	Center Turnbuckle	62324B	>	2	
14	Jam Nut 1 1/4-7UNC	9395-041	>	2	
15	Capscrew 5/8-11UNC x 6	9390-136	>	2	
17	Lock Nut 5/8-11UNC	95905	>	2	
18	Capscrew 1-8UNC x 2 1/2	9390-185	>	4	
19	Lock Washer 1"	9404-041	>	4	
20	Hex Nut 1-8UNC	9394-020	>	4	
21	Axle Spacer Pipe	265546	>	2	
22	Axle Stud	265554	>	2	

Hub Components - Single Wheels

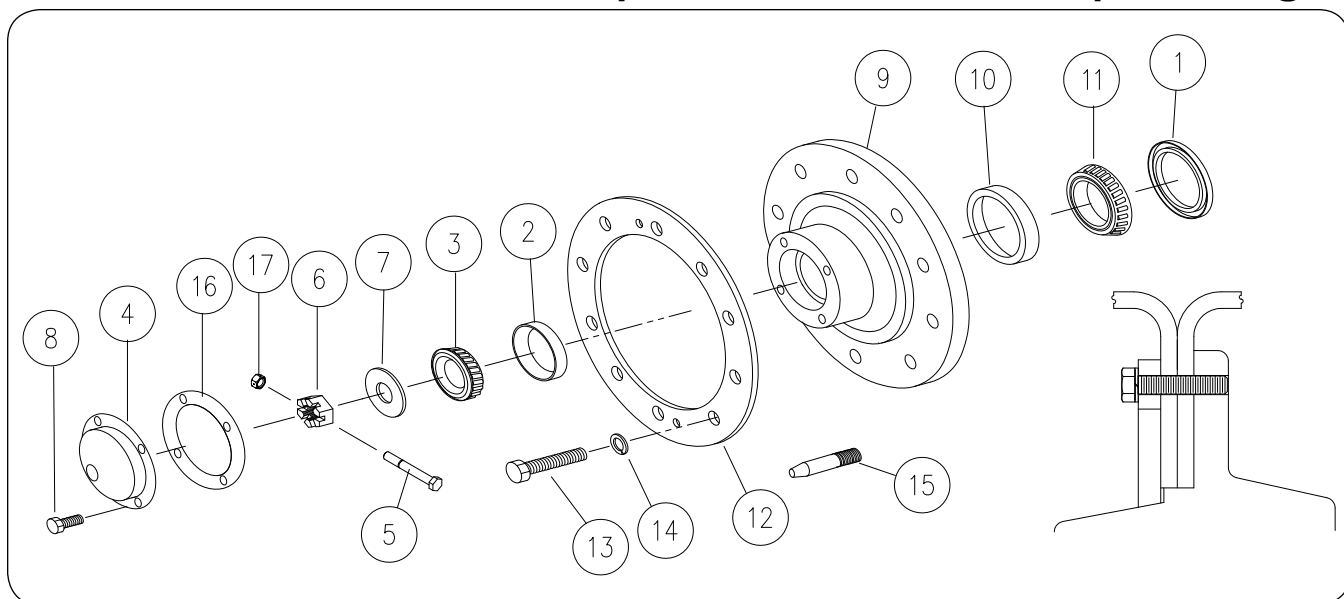
Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.		QTY.	NOTES
		7250, 8250	9250		
	Spindle	3.75"	3.75"		
	Hub Assembly =Green=	200079G	265085G	-	Includes 1-6 & 10-14
	Hub Assembly =Red=	200079R	265085R		
1	Seal -- 3.685" I.D.	92565	>	1	37605SA
2	Stud, 3/4-16 UNF x 3	94794	-	10	
	Stud, 7/8-14 UNF x 3 1/2	95472	95472	10	Use Kit 267288 - (M22 Stud & Nut) Model 7250/8250 with 900/60R32 Wheel & Tire Asy
	Wheel Stud Replacement Kit - M22	267288	267288	1	Replaces 95472
	Stud Bolt, M22 x 1.5 x 4	9007001	9007001	1	Used in Kit 267288
3	Flange Nut, 3/4-16 UNF	92458	-	10	
	Flange Nut, 7/8-14 UNF	9000990 (8250 Only)	9000990	10	
	Flange Nut, M22	97319	97319	1	Used in Kit 267288
4	Outer Cup	92462	>	1	HM212011
5	Outer Bearing Cone	92464	>	1	HM212049
6	Hub Cap	92465	>	1	
7	Capscrew, 3/8-16UNC x 3 1/4 Gr.5	9390-064	>	1	
8	Nut	92470	>	1	
9	Washer	92472	>	1	
10	Capscrew, 5/16-18 UNC x 1/2	9390-026	>	4	
11	Hub =Green=	200039G	-	1	Includes items 4 & 12
	Hub =Red=	200039R	-		
	Hub =Green=	-	265390G		Includes 4, 12 & Metric Wheel Studs
	Hub =Red=	-	265390R		
12	Inner Cup	92476	>	1	HM218210
13	Inner Bearing Cone	92545	>	1	HM218248
14	Gasket	284230	>	1	
15	Center Locknut, 3/8-16UNC	902875	>	1	

Hub Components - Duals

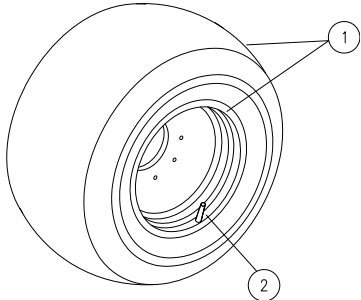
Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
	Spindle Dia.	4.50"		
	Hub Assembly =Green=	233668G	-	Includes 1-4 & 8-19
	Hub Assembly =Red=	233668R		
1	Seal - 4.375" I.D.	92455	1	43605SA
2	Outer Cup	92462	1	HM212011
3	Outer Bearing Cone	92464	1	HM212049
4	Hub Cap	92465	1	
5	Capscrew, 3/8-16UNC x 3 1/4 Gr.5	9390-064	1	
6	Nut	92470	1	
7	Washer	92472	1	
8	Capscrew, 5/16-18 UNC x 1/2	9390-026		
9	Hub =Green=	266455G	1	Includes Items 2,10,12
	Hub =Red=	266455R		
10	Inner Cup	92476	1	HM218210
11	Inner Bearing Cone	92545	1	HM218248
12	Ring	14442	1	
13	Bolt, 7/8-14 UNF x 4	97043	10	
14	Lock Washer, 7/8	9404-037	10	
15	Locator Bolt, 7/8-14 x 4 3/4	266459	1	
16	Gasket	284230	1	
17	Center Locknut, 3/8-16UNC	902875	1	

Wheels & Tires

Please visit www.unverferth.com/parts/ for the most current parts listing.



TIRES

For questions regarding new tire warranty, please contact your local original equipment tire dealer. Used tires carry no warranty.

IMPORTANT

- Verify whether you have a **straight plate** or **formed plate** wheel before ordering a replacement wheel.

STRAIGHT PLATE WHEELS

ITEM	DESCRIPTION	PART NO.	QTY	NOTES
1	Wheel & Tire Assembly - 7250, 8250	14316	2	TL30.5Bx32F 14-Ply R-3
	Wheel & Tire Assembly - 7250	14318	2	TL30.5Bx32F 14-Ply R-1
	Wheel & Tire Assembly - 7250	110146	2	TL30.5LB32F 16-PLY R-1
	Wheel Only	92417	2	27 x 32
1	Wheel & Tire Assembly - 7250	14315	2	TL24.5B32F 12-Ply R-3
	Wheel & Tire Assembly - 7250	14317	2	TL24.5B32F 12-Ply R-1
	Wheel Only	92416	2	21 x 32
1	Wheel & Tire Assembly - 7250	16558	2	TL520/85D38F R-1
	Wheel Only	16557W0	2	18 x 38
1	Wheel & Tire Assembly - 7250	14564	2	TL480/80R42F 151A8 R-1
	Wheel Only	14561	2	16 x 42
1	Wheel Only - 7250, 9250	11731	2	31 x 32
2	Valve Stem	93300	2	
	Plug, Rim Hole	95365	2	
1	Wheel & Tire Assembly - 8250, 9250	15943	4	TL900/60-32TR R-1
	Wheel Only	15942W0	4	27 x 32
1	Wheel Only	12870	2	44 x 32
1	Wheel & Tire Assembly - 9250	17923	2	TL1050/50R32
	Wheel Only	17922W0	2	36 x 32
1	Wheel & Tire Assembly - 9250, 7250	14322	2	TL35.5LB32F 20-Ply R-3
	Wheel Only	11741	4	RDT3132VA
2	Valve Stem	93300	2	
	Lock Ring	92315W0	2	
	O-Ring	92316	2	
1	Wheel Only	16674W0	2	16 x 42
	Wheel Only	16556W0	2	18 x 42
1	Wheel & Tire Assembly	18046	2	900/60R32 R1W - Continental
	Wheel Only	17941W0	2	30 x 32

Wheels & Tires

Please visit www.unverferth.com/parts/ for the most current parts listing.

FORMED PLATE WHEELS Model 7250 (Serial Number B30140100 & Up) Model 8250 (Serial Number B30110100 & Up) Model 9250 (Serial Number B30170100 & Up)				
ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Wheel & Tire Assembly	19976	2	27 x 32 / TLIF800/65R32 R-1W
	Wheel & Tire Assembly	19977	2	27 x 32 / TLIF800/60R32 R-3
	Wheel Only	92417	2	27 x 32
1	Wheel & Tire Assembly	18518	2	30 x 32 / TL900/60R32 R-1W
	Wheel & Tire Assembly	18519	2	30 x 32 / TL900/60R32 R-1W
	Wheel Only	903059	2	30 x 32
2	Valve Stem	93300	2	
	Plug, Rim Hole	95365	2	

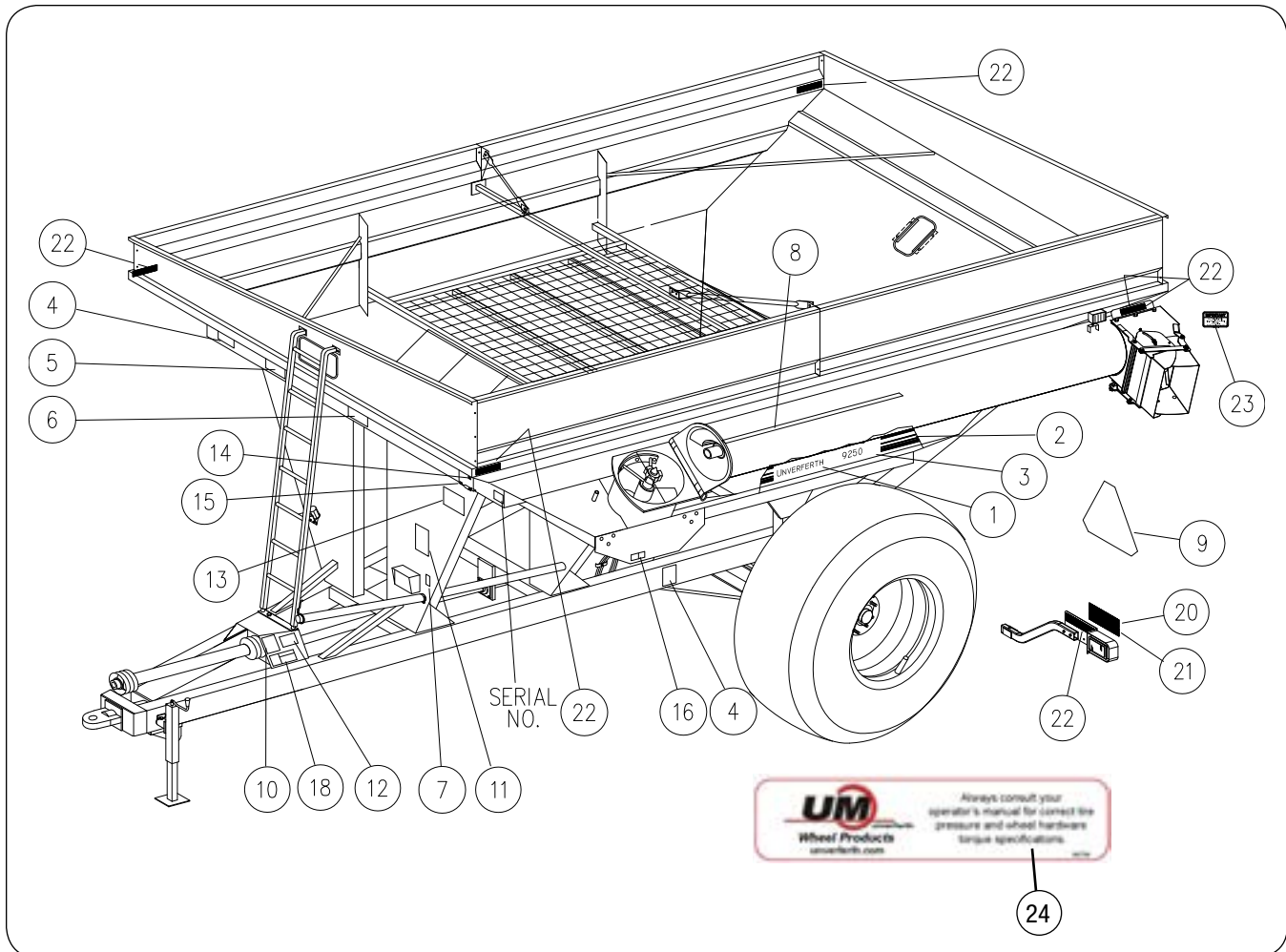
Duals Wheels

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY	NOTES
1	Wheel & Tire Assembly - 7250	15664	4	18.4 x 38 Used
	Wheel Only	15304	4	16 x 38
1	Wheel & Tire Assembly - 7250	15665	4	20.8 x 38 R1 Used
	Wheel Only	15305	4	18 x 38
1	Wheel & Tire Assembly - 7250, 8250	15308	4	18.4 x 42 R1 Used
	Wheel & Tire Assembly - 8250	14564	4	TL18.4R42F 2 Star
	Wheel Only	14561	4	16 x 42
1	Wheel & Tire Assembly - 7250, 8250	15311	4	TL420/80R46F 3 Star
	Wheel & Only	15303	4	13 x 46
1	Wheel & Tire Asy - 7250,8250,9250	14565	4	TL20.8R42F 2 Star
	Wheel Only	14562	4	18 x 42
1	Wheel & Tire Assembly - 9250	15366	4	TL18.4R46F 3 Star
	Wheel Only	15365	4	16 x 46
1	Wheel & Tire Assembly - 9250	16529	4	TL14.9R46A 8 Star
	Wheel Only	15303	4	13 x 46
2	Valve Stem	93300	4	

Decals

Please visit www.unverferth.com/parts/ for the most current parts listing.



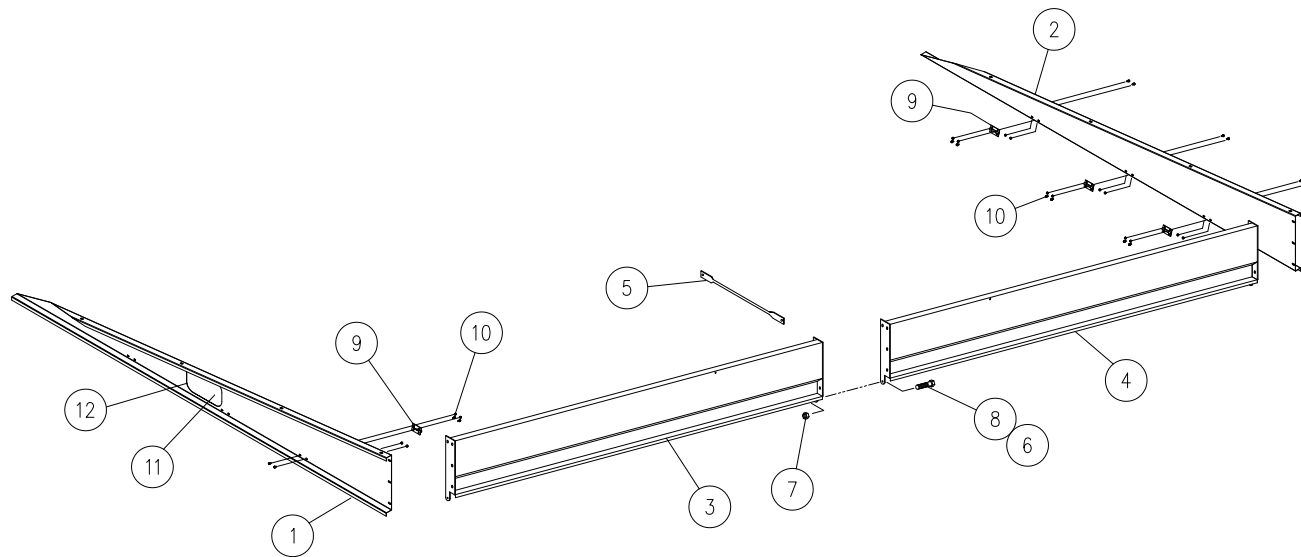
Decals

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Decal, Unverferth	9004298	4	
	Decal, Unverferth Logo Tail	9004213	4	
2	Decal, Silver Shadow	9004035	5/5/7	46" was 36"
3	Decal, 7250	9004052	4	
	Decal, 8250	9004037	4	
	Decal, 9250	9004053	4	
4	Decal, Warning to Avoid Injury	9003475	3	
5	Decal, Caution Do Not Play	9003476	1	
6	Decal, Flow Control Gate	9003477	1	
7	Decal, FEMA	91605	1	
8	Decal, Flow Control 3" x 32"	9006948	1	
9	SMV Metal Sign	9829	1	
10	Decal, Caution To Avoid Injury	91302	1	
11	Decal, Danger Just For Kids	9003478	1	
12	Decal, Danger, Drive Shaft	95046	1	
13	Decal, Danger Electrical Lines	9003474	1	
14	Decal, Auger Lock	92970	1	
15	Decal, Auger Up	92969	1	
16	Decal, Hydraulic Fluid	95445	1	
18	Decal, Tongue Drop	94094	2	
20	Fluorescent Strip	9003125	2	2 x 9"
21	Red Reflector	9003126	2	2 x 9"
22	Amber Reflector	9003127	7	2 x 9"
23	Decal, Shipping	9004715	1	For Initial Shipment Only
24	Decal, UM Wheel Systems	94754	1	

Sideboards - Model 7250

Please visit www.unverferth.com/parts/ for the most current parts listing.

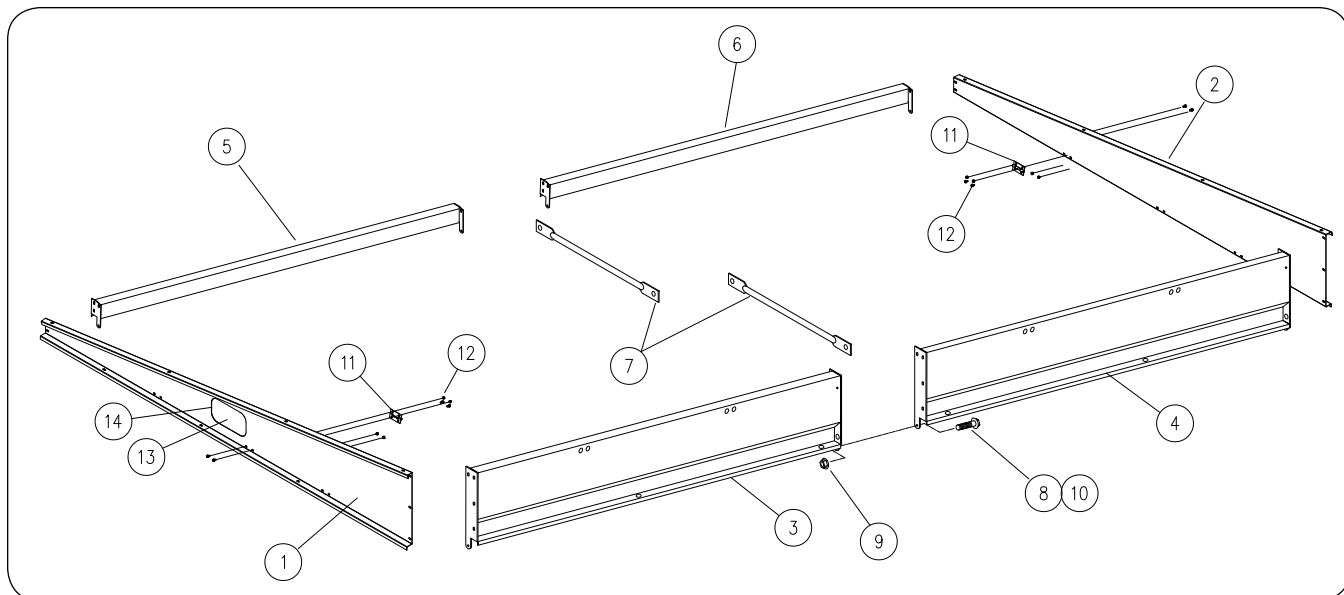


* Hinge kits include board, hinges, and mounting hardware. (Required for carts with serial #B22590099 and lower. These carts have welded hinges that may need to be removed for some installations.)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Front Board	280269B	1	18" to 0" Tall
	Front Board w/Hinges Kit*	280339		
2	Rear Board	280270B	1	18" to 0" Tall
	Rear Board w/Hinges Kit*	280340		
3	Left Front Side Board	251023B	1	18" Tall
4	Left Rear Side Board	251024B	1	18" Tall
5	Support Tube	220032B	1	39 7/8" Lg.
6	Flange Screw, 3/8-16 x 3/4	95585	10	
7	Flange Nut, 3/8-16 UNC	91263	14	
8	Flange Screw, 3/8-16 x 1	91262	4	
9	Hinge	9004626	6	
10	Flange Screw, 5/16-18 x 3/4	91256	24	
	Flange Nut, 5/16-18 UNC	91257	24	
11	Window	92405	1	
12	Window Molding	250431	1	

Sideboards - Model 8250

Please visit www.unverferth.com/parts/ for the most current parts listing.

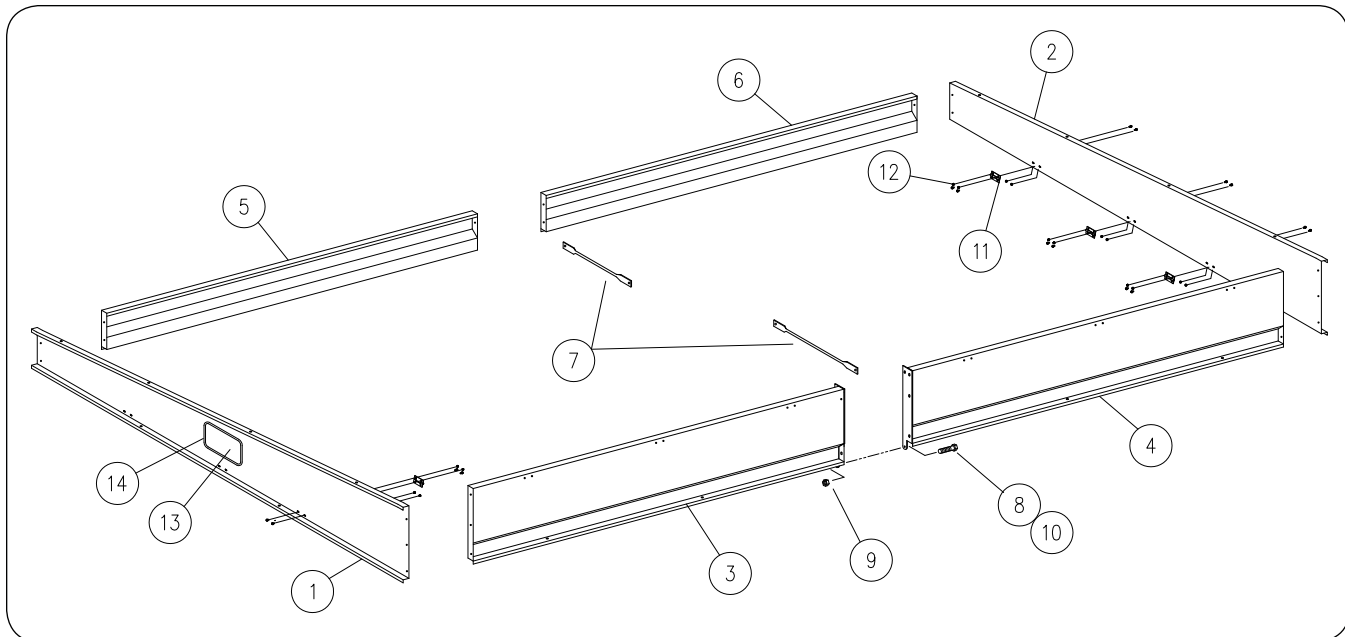


* Hinge kits include board, hinges, and mounting hardware. (Required for carts with serial #B22580099 and lower. These carts have welded hinges that may need to be removed for some installations.)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Front Board	280267B	1	24" to 5" Tall
		280267B		24" to 5" Tall
	Front Board w/Hinges Kit*	280329		
2	Rear Board	280268B	1	24" to 5" Tall
	Rear Board w/Hinges Kit*	280330		
3	Left Front Side Board	233733B	1	24" Tall
4	Left Rear Side Board	233734B	1	24" Tall
5	Right Front Side Board	233735B	1	5" Tall
6	Right Rear Side Board	233736B	1	5" Tall
7	Support Tube	220032B	2	39 7/8" Long
8	Flange Screw, 3/8-16 x 3/4	95585	17	
9	Flange Nut, 3/8-16 UNC	91263	25	
10	Flange Screw, 3/8-16 x 1	91262	8	
11	Hinge	9004626	6	
12	Flange Screw, 5/16-18 x 3/4	91256	24	
	Flange Nut, 5/16-18 UNC	91257	24	
13	Window	92403	1	
14	Window Molding	250431	1	

Sideboards - Model 9250

Please visit www.unverferth.com/parts/ for the most current parts listing.



* Hinge kits include board, hinges, and mounting hardware. (Required for carts with serial #B22830099 and lower. These carts have welded hinges that may need to be removed for some installations.)

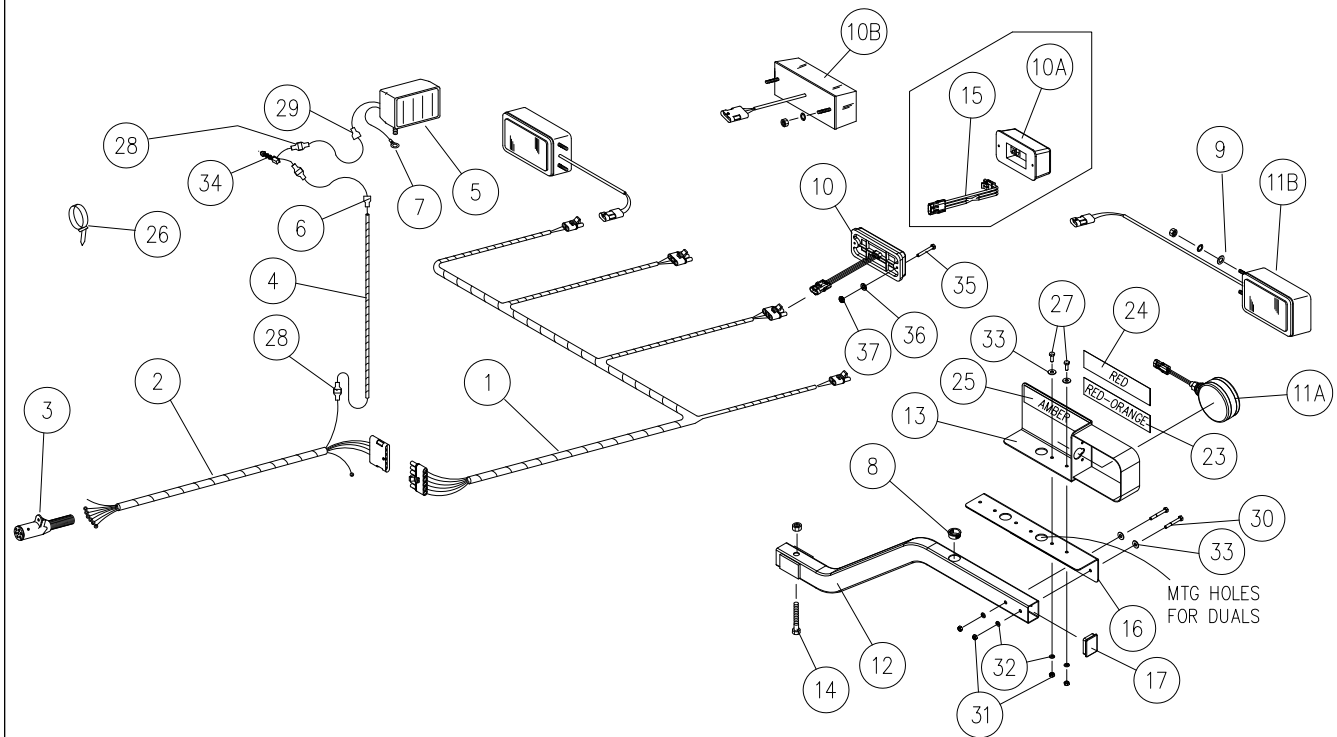
ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Front Board with Window	280953B	1	12" to 24" Tall
	Front Board w/Hinges Kit*	280265B	-	
2	Rear Board	280260B	1	12" to 24" Tall
	Rear Board w/Hinges Kit*	280334	-	
3	Left Front Side Board	280416B	1	24" Tall
4	Left Rear Side Board	280417B	1	24" Tall
5	Right Front Side Board	280421B	1	12"
6	Right Rear Side Board	280422B	1	12"
7	Side Board Support	220032B	2	39 7/8" Lg.
8	Flange Screw, 3/8-16UNC x 3/4	95585	17	
9	Flange Nut, 3/8-16UNC	91263	41	
10	Flange Screw, 3/8-16UNC x 1	91262	24	
11	Hinge	9004626	6	
12	Flange Screw, 5/16-18UNC x 3/4	91256	24	
	Flange Nut, 5/16-18UNC	91257	24	
13	Window	92403	1	
14	Window Molding	250431	1	

Notes

Please visit www.unverferth.com/parts/ for the most current parts listing.

Electrical

Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEMS	DESCRIPTION	PART NO.	QTY	NOTES
1	Wiring Harness, Rear	9003050	1	
2	Wiring Harness, Front	9003250	1	
3	Electrical Coupler	92450	1	
4	Wiring Harness, Auger	9004350	1	
5	Auger Light	9001155	1	
6	Connector, Male	9004140	1	
7	Connector 1/2" Eyelet	9002127	1	
8	Grommet	9001816	4	
9	Flat Washer 3/16	9405-052	4	
10	Red Light- Tail/Turn (LED) w/Lead & Weatherpack Connector	9006282	2	Serial Number B31120100 and Higher
10A	Lamp - Red, LED	9005100	2	Serial Number B31120100 and Lower No Lens
10B	Red Light w/Lead, Plug Connector & Dbl Circuit Lamp	9003136	2	Serial Number B31120100 and Lower Includes Wiring Harness
	Replacement Lens - Red	9003384	-	

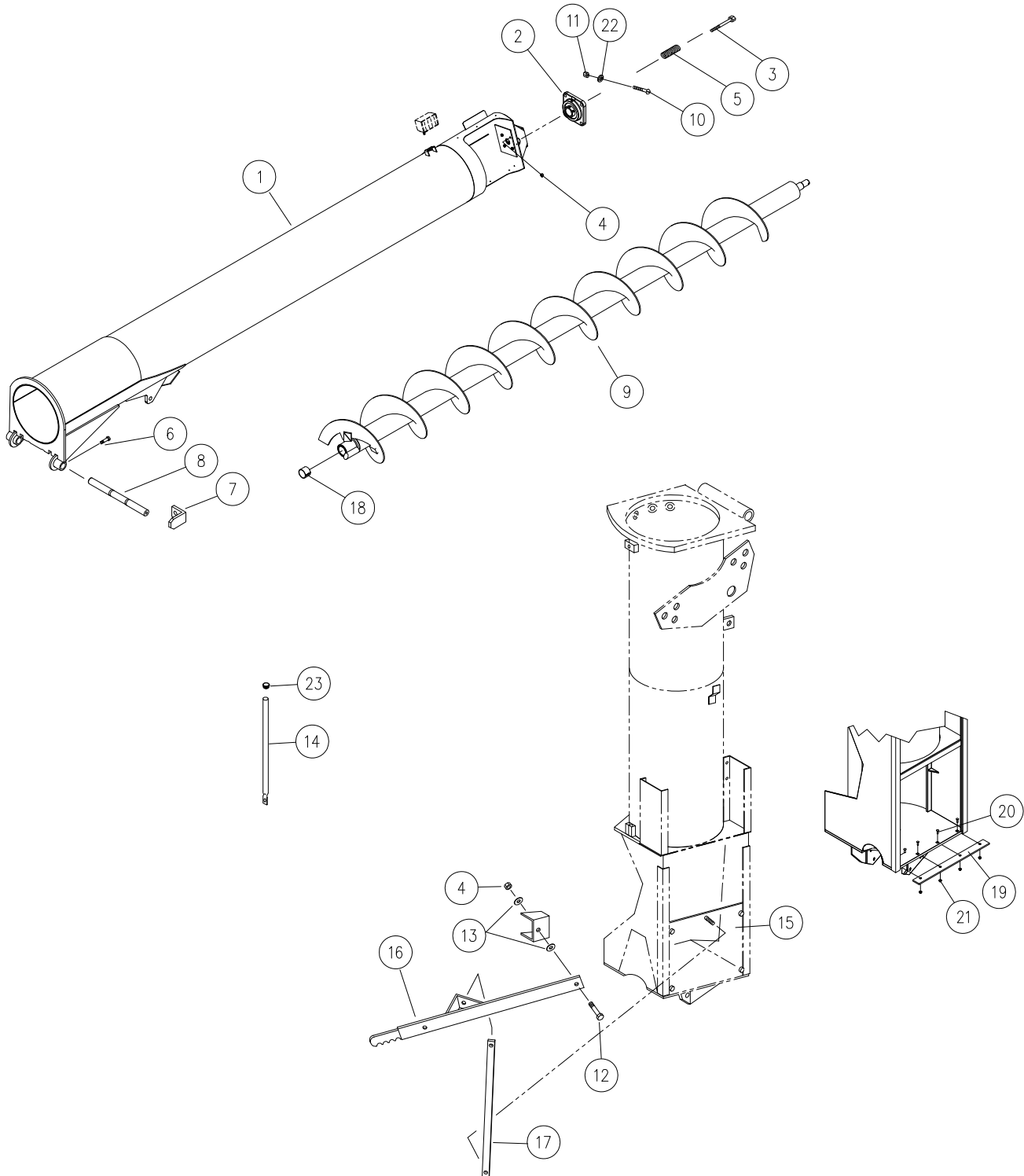
Electrical

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEMS	DESCRIPTION	PART NO.	QTY	NOTES
11A	Lamp - Amber w/LED Double-Face	9005142	2	
11B	Light, Amber - Turn/Flasher	9003048	2	
	Replacement Lens - Amber	9004017	-	
12	Light, Tube Weldment	251398B	2	
13	LH Light Bracket Weldment	251409B	1	
	RH Light Bracket Weldment	251408B	1	
14	Capscrew 1/2-13UNC x 3	9390-107	2	
	Locknut 1/2-13UNC	9003397	2	
15	Wiring Harness 10"	9005097	2	For LED Lights Only
16	LH Plate	251406B	1	
	RH Plate	251407B	1	
17	Tube Plug	9003515	2	
23	Reflector, Fluorescent "Red-Orange"	9003125	2	2x9"
24	Reflector, "Red"	9003126	2	2x9"
25	Reflector, "Amber"	9003127	2	2x9"
26	Cable Tie 6"	9000106	A/R	
	Cable Tie 15 1/2"	9000107	A/R	
27	Capscrew 1/4-20UNC x 3/4	9390-003	4	
28	Butt Connector	9000166	3	
29	Female Connector	TAB65407	1	
30	Capscrew 1/4-20UNC x 2	9390-009	4	
31	Hex Nut 1/4-20UNC	9394-002	8	
32	Lock Washer 1/4	9404-017	8	
33	Flat Washer 1/4	9405-064	8	
34	Momentary Switch	9003046	1	
35	Pan Head Machine Screw, #10-32UNF x 1 1/4	9401-072	4	
36	Split Lock Washer, #10	9404-013	4	
37	Hex Nut, #10-32	9830-016	4	Grade 2

Upper Auger Driveline

Please visit www.unverferth.com/parts/ for the most current parts listing.



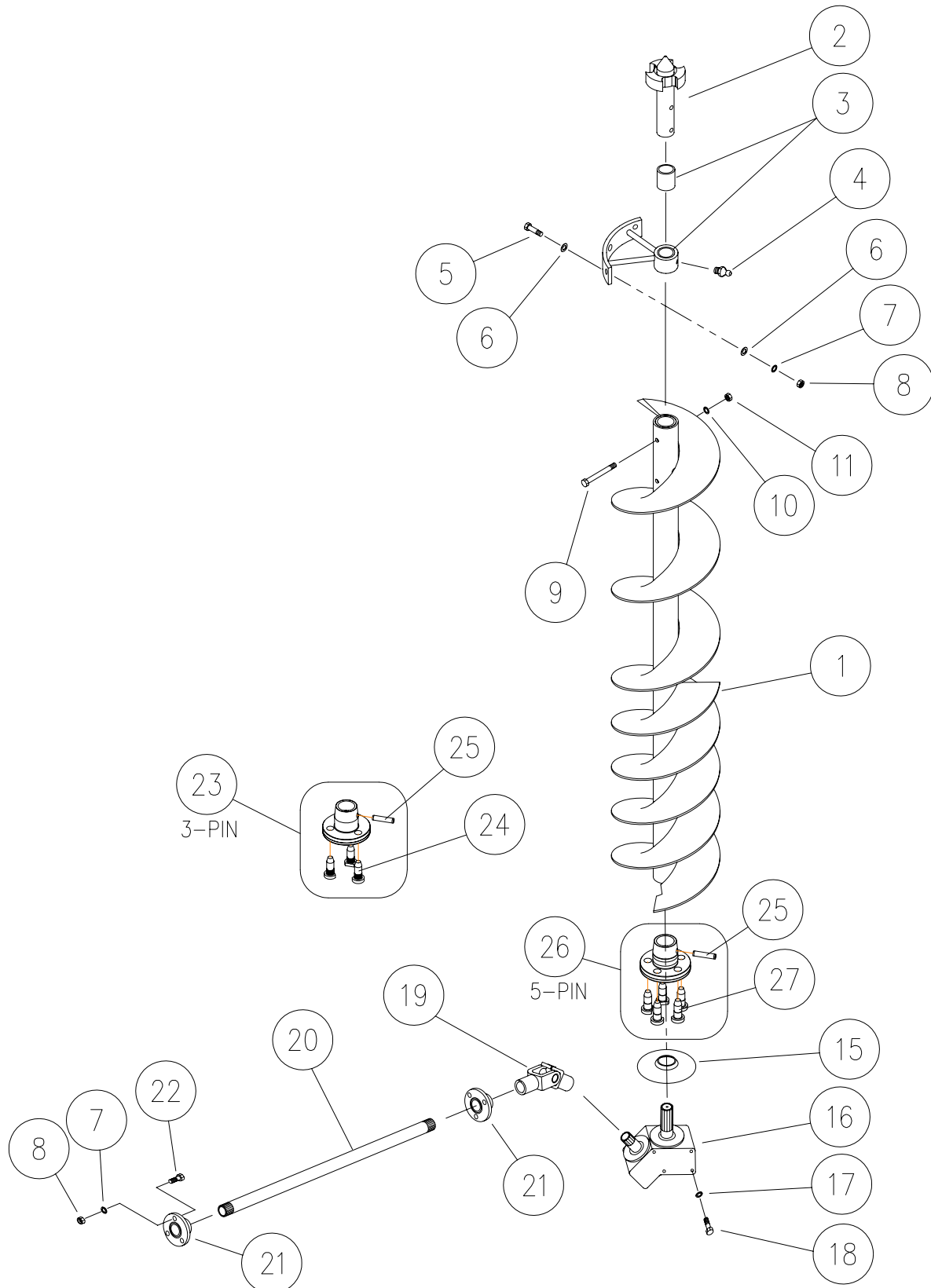
Upper Auger Driveline

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Upper Auger Tube Weldt =Green=	251504G	1	7250, 8250 - Incl 2 through 6
	Upper Auger Tube Weldt =Red=	251504R		
	Upper Auger Tube Weldt =Green=	251503G	1	9250 - Incl. 2 through 6
	Upper Auger Tube Weldt =Red=	251503R		
2	Flange Bearing, 1 1/2" 4-Hole	92406	1	
3	Capscrew, 1/2-13UNC x 5 1/2	9390-114	4	Grade 5
4	Locknut, 1/2-13UNC	94981	1	
5	Spring, 1 x 4"	9001812	4	
6	Capscrew, 1/2-13UNC x 1 1/4	9390-100	1	
7	Keeper	233649	1	
8	Shaft, Pivot	233648	1	
9	Upper Auger Weldment =Black=	251459B	1	7250, 8250
	Upper Auger Weldment =Black=	251414B	1	9250
10	Capscrew, 5/16-18UNC x 2	9390-034	1	Grade 5
11	Nut, 5/16-18UNC	9394-004	1	
12	Capscrew, 1/2-13UNC x 1 1/4	9390-100	9	
13	Flat Washer, 1/2	9405-088	6	
14	Indicator Rod	250765B	1	
15	Clean-out Door Weldment	233683B	1	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
16	Door Handle	250757B	1	
17	Door Linkage	233684B	1	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
18	Bushing, 2 3/4 Dia. x 2 1/2	9003230	1	
19	Sill Plate	233681B	1	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
20	Carriage Bolt, 3/8-16 x 1 1/4 Gr. 5	9388-052	4	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
21	Large Flange Nut, 3/8-16UNC Gr. 5	91263	4	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
22	Lock Washer, 5/16	9404-019	1	S/N B26580100 & Up - Model 9250 S/N B26690100 & Up - Model 8250 S/N B26740100 & Up - Model 7250
23	Caplug 1" OD	901292	1	

Lower Auger Driveline

Please visit www.unverferth.com/parts/ for the most current parts listing.



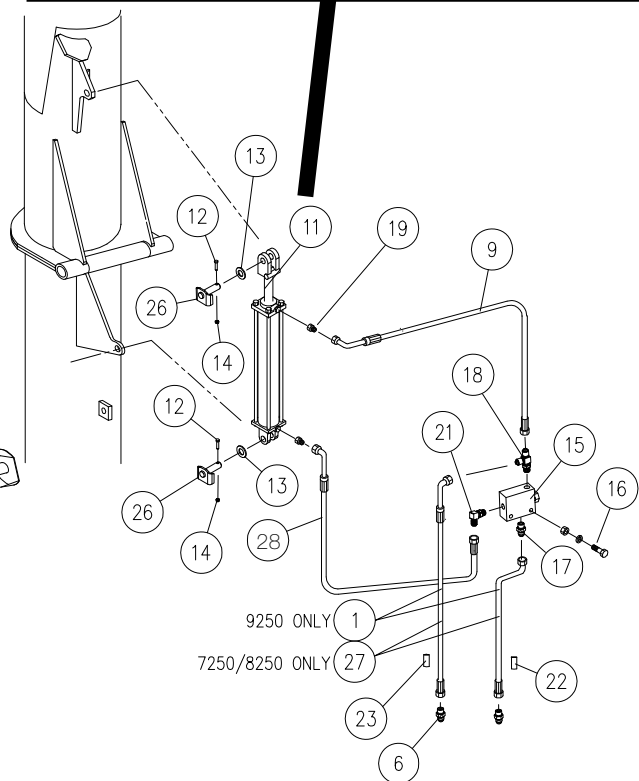
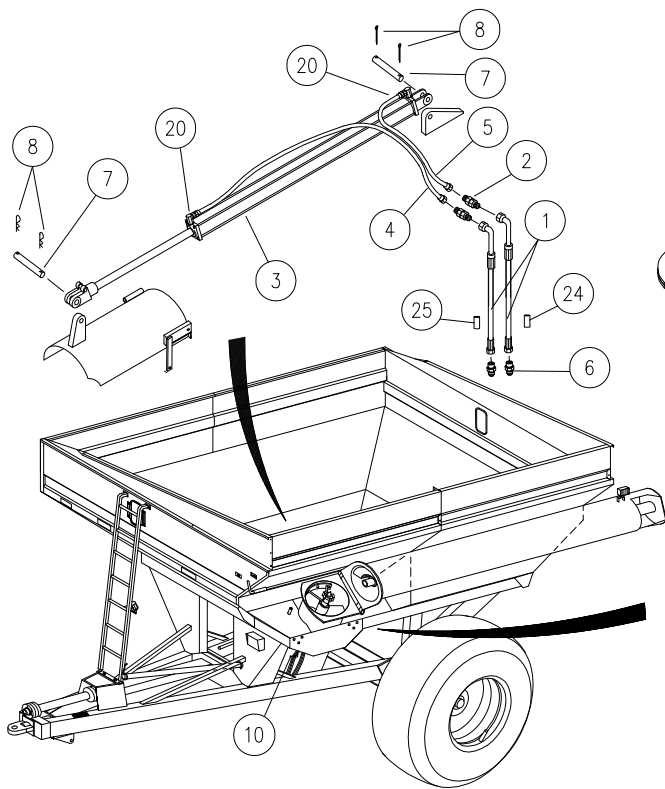
Lower Auger Driveline

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Lower Auger Replacement Kit - 5 Pin	265777B	1	
2	Drive Dog Weldment (Steel)	265125	1	
	Drive Dog Casting	28977		
3	Hanger Weldment w/Bushing	265132B	1	
	Bronze Bushing only	9001198	1	
4	Grease Zerk	91160	1	
5	Capscrew, 3/8-16UNC x 1 1/4	9390-056	3	
6	Flat Washer, 3/8	9405-076	6	
7	Lock Washer, 3/8	9404-021	9	
8	Nut, 3/8-16UNC	9394-006	9	
9	Capscrew, 5/8-11UNC x 6	9390-136	2	
10	Lock Washer, 5/8	9404-029	2	
11	Nut, 5/8-11UNC	9394-014	2	
15	Dust Cover	92805	1	
16	Gearbox, 45°	-	1	Refer to "45 Degree Gear Box" for Parts in this Section.
17	Lock Washer, 1/2	9404-025	9	
18	Capscrew, 1/2-13UNC x 1 1/4	9390-100	9	
19	U-Joint	-	1	Refer to "Driveline U-Joint Assembly" for Parts in this Section.
20	Drive Shaft, 7250, 8250	250141	1	1 3/8 x 120" Lg.
	Drive Shaft, 9250	265090	1	1 3/8 x 152" Lg.
21	Bearing, Flangette - 1 3/8"	92916	2/3	7250, 8250, 9250
22	Capscrew, 3/8-16UNC x 1	9390-055	6/9	
23	Drive Plate Assembly	284296	1	Serial Number B34110099 and Higher Includes Items 24 & 25
24	Headed Pin Drive	9007000	3	
25	Spiral Pin, 1/2 Dia. x 2 1/4	902614-236	1	
26	Drive Plate Assembly - 5 Pin	286436	1	Serial Number B34110100 and Higher Includes Items 25 & 27
27	Headed Pin Drive, 0.763 Dia. x 2	9007000	5	Serial Number B34110100 and Higher

Hydraulics

Please visit www.unverferth.com/parts/ for the most current parts listing.



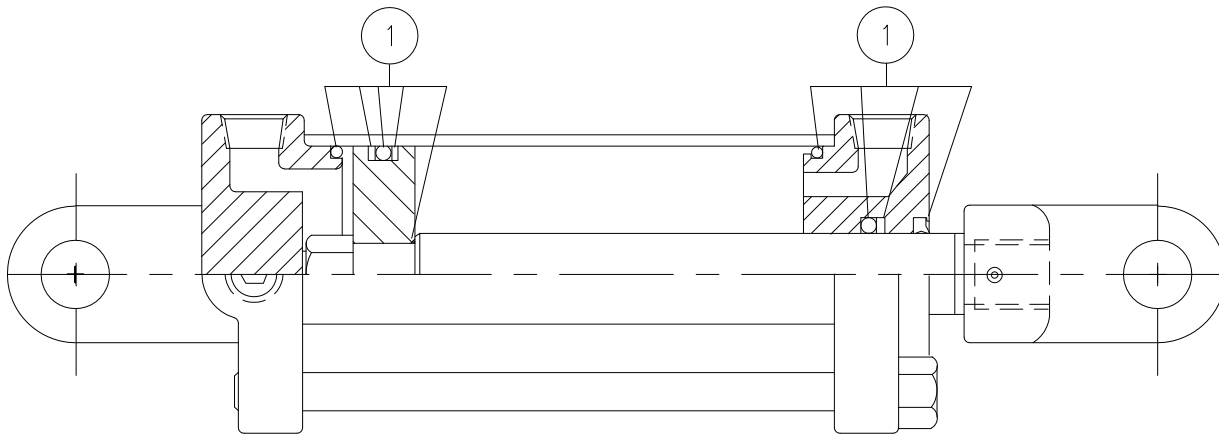
Hydraulics

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Hydraulic Hose, 1/4 x 192"	9002213	2	7250, 8250
	Hydraulic Hose, 1/4 x 216"	9002212	4	9250
2	Bulkhead Fitting	95192	2	
3	Hydraulic Cylinder, 2 x 30"	9003099	1	
4	Hydraulic Hose, 1/4 x 62" Lg.	93848	1	
5	Hydraulic Hose, 1/4 x 24" Lg.	95002	1	
6	Disconnect Tip, O-Ring	91383	4	
7	Pin, Inside Cylinder	804572	2	1 x 3 1/2"
8	Cotter Pin, 3/16 x 2	9391-046	4	
9	Hydraulic Hose	9002873	1	1/4 x 95" Long
10	Hose Bracket	7-0043B	1	
11	Hydraulic Cylinder, 3 x 20"	9003103	1	
12	Capscrew 5/16-18UNC x 1 1/2	9390-032	2	Grade 5
13	Flat Washer 1" SAE	9405-116	2	
14	Locknut 5/16-18UNC	9807	2	
15	Check Valve	9003990	1	
16	Capscrew, 5/16-18 UNC x 2	9390-034	2	
	Lock Washer, 5/16	9404-019	2	
	Nut, 5/16-18 UNC	9394-004	2	
17	Adapter	9001495	1	
18	Tee, Straight Run	9004064	1	
19	Adapter, Orifice (.055")	91608	2	
20	Elbow, 9/16-18 JIC M-F Swivel	9874	2	
21	Elbow, 90°	97445	1	9/16-18 JICMx9/16-18 O-R M
22	Hose Marker, Auger Raised	9003997	1	
23	Hose Marker, Auger Lower	9003998	1	
24	Hose Marker, Flow Door Closed	9003996	1	
25	Hose Marker, Flow Door Open	9003995	1	
26	Pin Weldment	251669	2	
27	Hydraulic Hose, 1/4 x 174"	9005372	2	7250, 8250
28	Hydraulic Hose, 1/4 x 74" - 3000 PSI	9001637	1	

Cylinder - 3" x 20"

Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
		3" x 20"		
	Cylinder, Complete	9003103	1	Tie Rod
1	Seal Kit	9003772	1	

Flow Control Door Cylinder - 2" x 30"

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
		2" x 30"		
	Cylinder, Complete	9003099	1	Tie Rod
1	Seal Kit	9003105	1	

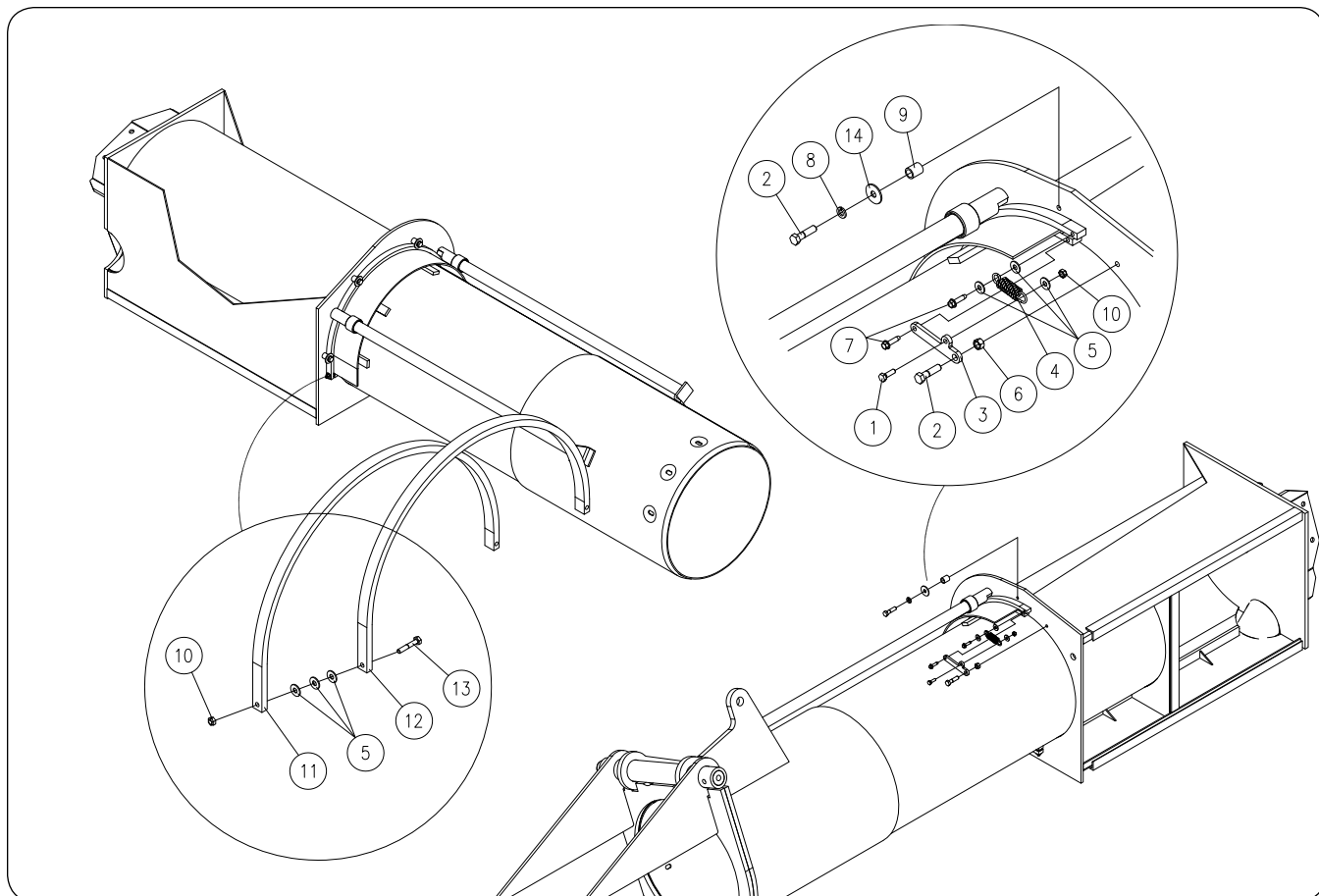
Deflector Spout Cylinder - 1 1/2" x 4"

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
		1-1/2" x 4"		
	Cylinder, Complete	9003789	1	
1	Seal Kit	9003845	1	

Flow Door Seals

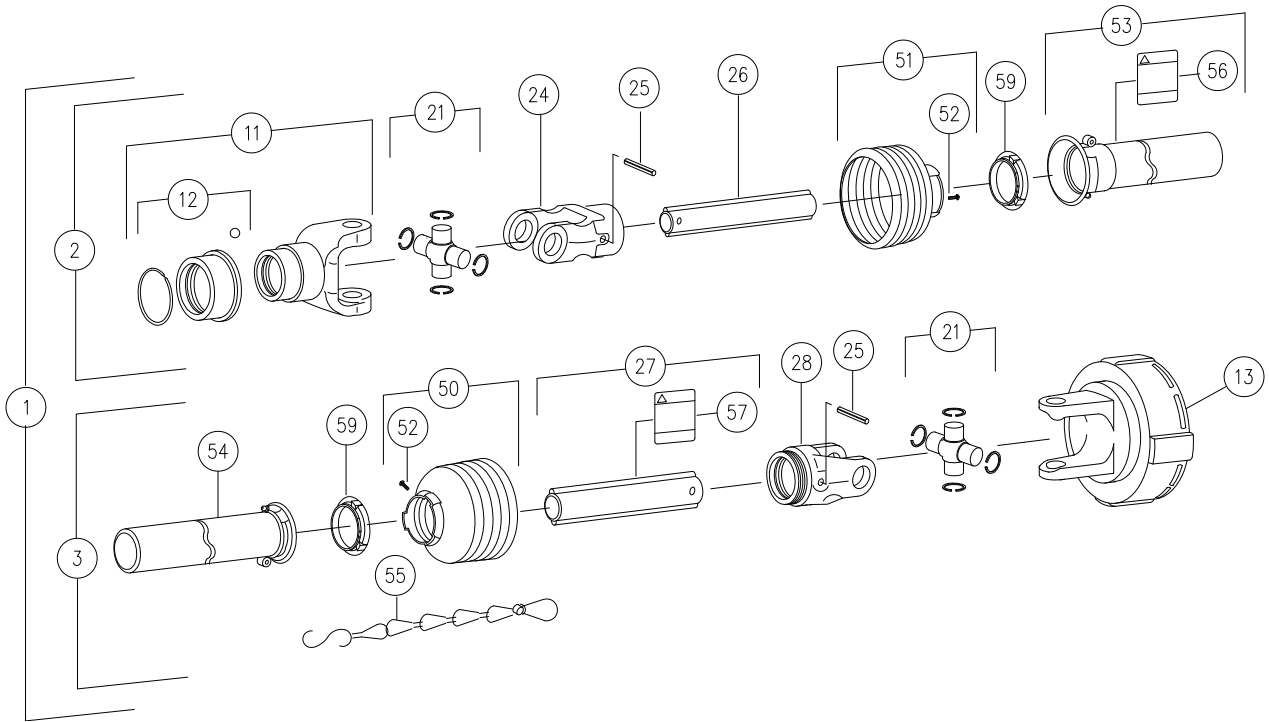
Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Capscrew, 1/4-20UNCx7/8	9390-004	1	Grade 5
2	Capscrew, 3/8-16UNCx1 3/4	9390-058	7	Grade 5
3	Spring Bracket =Green=	281258G	1	
	Spring Bracket =Red=	281258R		
4	Spring	9004375	1	
5	Flat Washer 1/4	9405-064	7	
6	Hex Nut, 3/8-16UNC	9394-006	1	Grade 5
7	Screw, 1/4-20UNCx1 (Self-Threading)	9004355	2	
8	Lock Washer, 3/8	9404-021	6	
9	Spacer Bushing =Green=	281257G	6	
	Spacer Bushing =Red=	281257R		
10	Lock Nut, 1/4-20UNC	9936	2	
11	Seal - Poly	251611	1	
12	Seal - Poly	251612	1	
13	Capscrew, 1/4-20UNCx1 1/2	9390-007	1	Grade 5
14	Fender Washer, 3/8	9004537	6	

PTO Assembly

Please visit www.unverferth.com/parts/ for the most current parts listing.



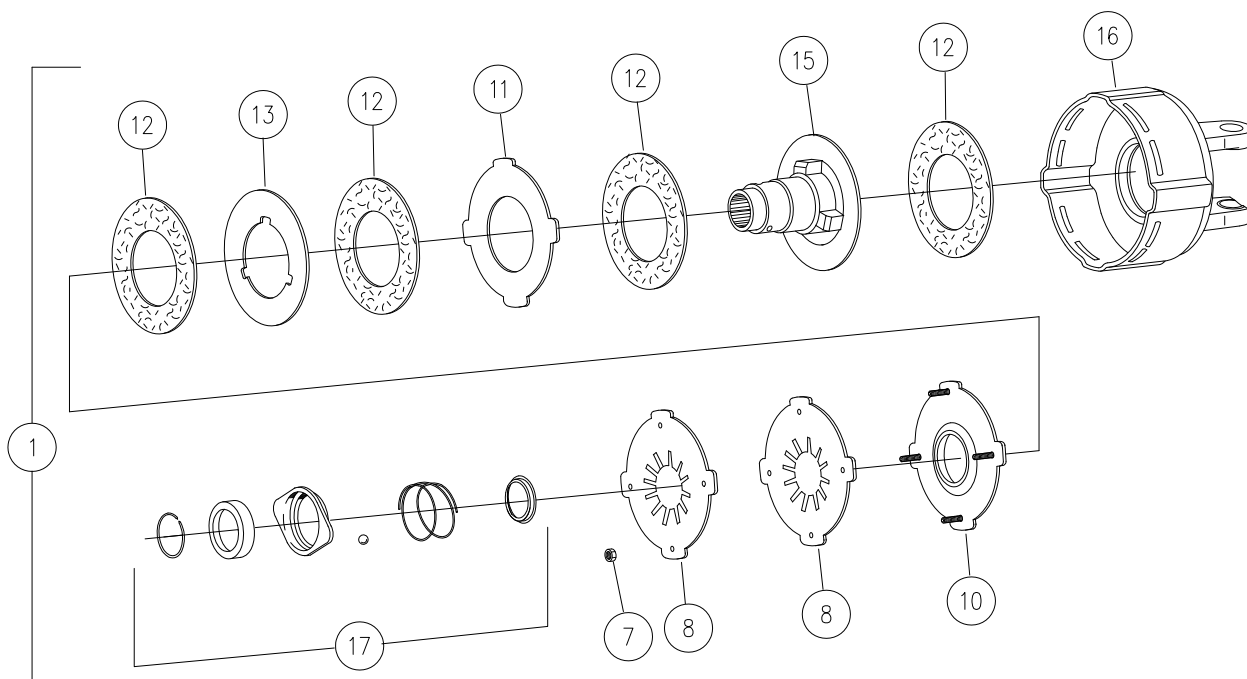
PTO Assembly

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	PTO Shaft w/Shielding	94868	1	1 3/4-20 Spline
	PTO Shaft w/Shielding	95214	1	1 3/8-21 Spline (Optional)
2	Front Half PTO	94841	1	1 3/4-20 Spline
	Front Half PTO	95215	1	1 3/8-21 Spline (Optional)
3	Rear Half PTO	94842	1	
11	End Yoke	93855	1	1 3/4-20 Spline
	End Yoke	95216	1	1 3/8-21 Spline (Optional)
12	Quick Disconnect Kit	93856	1	1 3/4-20 Spline
	Quick Disconnect Kit	95217	1	1 3/8-21 Spline (Optional)
13	Friction Clutch Complete	94838	1	4-Plate Clutch
21	Cross & Bearing Kit	93857	2	
24	Front Inboard Yoke	93858	1	
25	Spring Pin	93859	2	
26	Inner Profile	265750	1	
27	Outer Profile	265749	1	
28	Rear Inboard Yoke	93862	1	
50	Shield Cone-Black 6 Rib	93866	1	
51	Shield Cone-Black 6 Rib	93863	1	
52	Screw	92372	2	
53	Outer Shield Tube w/Cap	94839	1	
54	Inner Shield Tube w/Cap	94840	1	
55	PTO Chain	92374	1	
56	Danger Decal - Shield	92377	1	
57	Danger Decal - Steel	92378	1	
59	Bearing Ring	92373	2	

PTO Clutch

Please visit www.unverferth.com/parts/ for the most current parts listing.

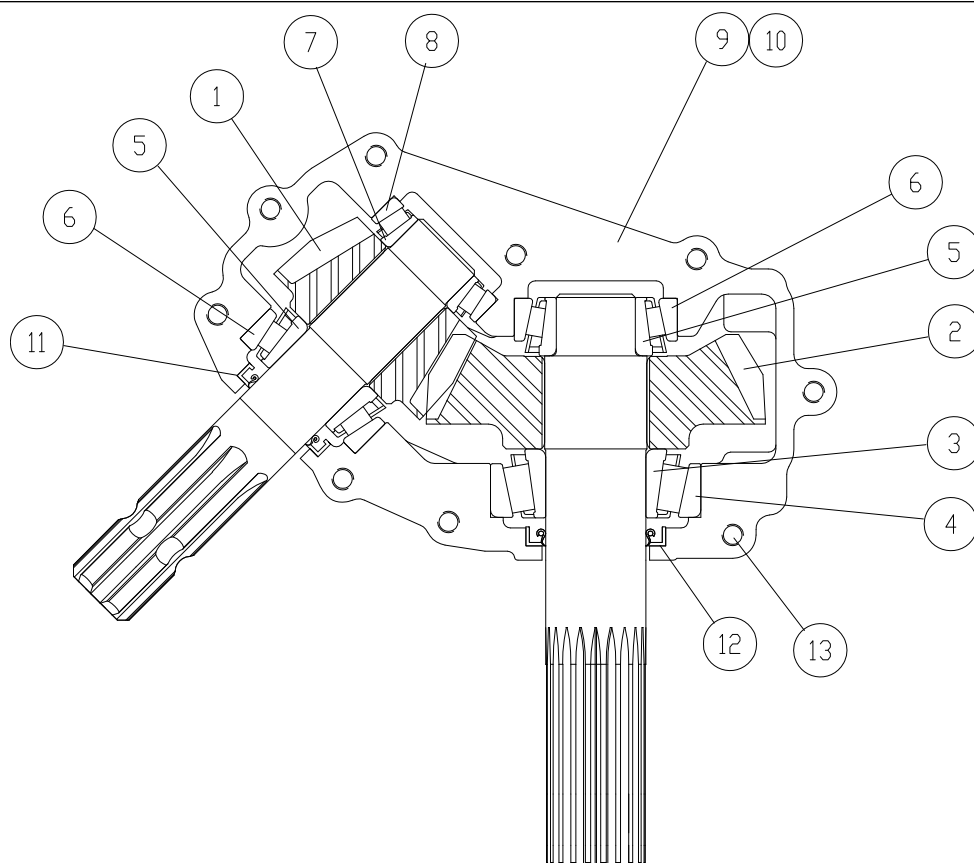


NOTE: The clutch is preset at the factory and should not require adjustment.
See Maintenance Section for specific clutch information.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Complete Clutch	94838	1	Includes Items 7 Through 17
7	Hex Nut, M8 Din 6330	92386	4	
8	Belleville Spring	93815	2	Red Dot
10	Thrust Plate	92384	1	
11	Drive Plate	92850	1	
12	Clutch Lining	92382	4	
13	Drive Plate	92851	1	
15	Hub, 1 3/8-21 Spline	94982	1	
16	Clutch Housing	93805	1	
17	Quick Disconnect Flange Kit	92393	1	

45 Degree Gear Box

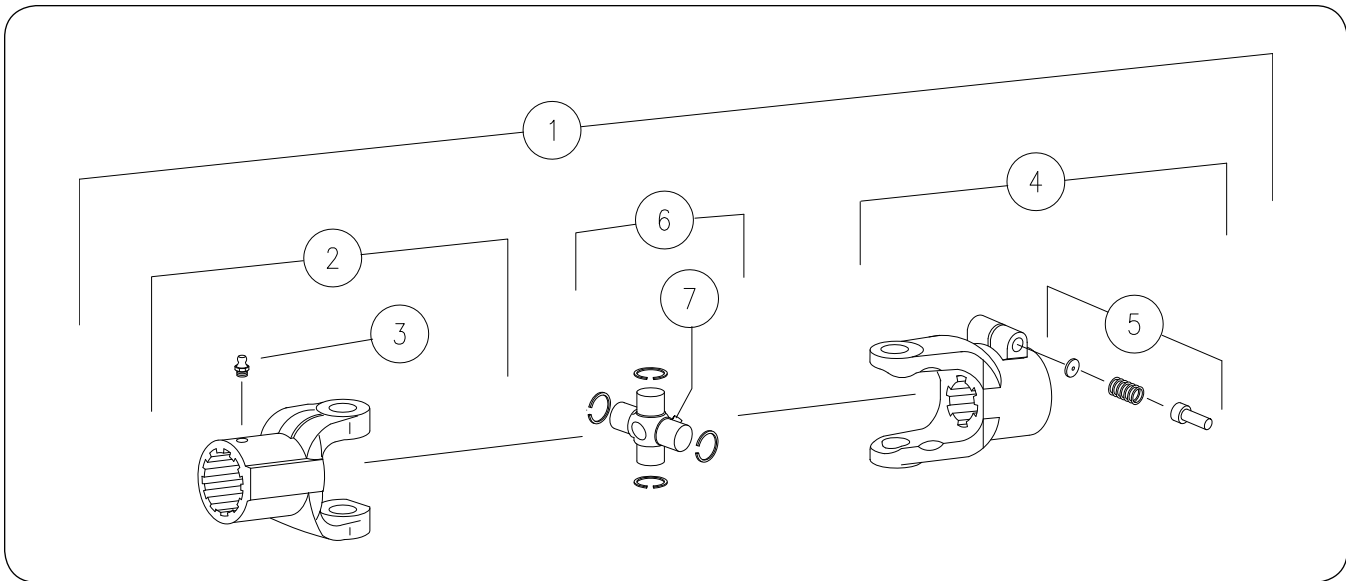
Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
	Gear Box, Complete	9002812	1	Includes Items 1 thru 17
1	Shaft, Input	9001131	1	1.8:1 Gear
2	Shaft, Output	9001132	1	1.8:1 Gear
3	Bearing Cone	92697	1	Large
4	Bearing Cup	91151	1	Large
5	Bearing Cone	9001133	2	
6	Bearing Cup	9001134	2	
7	Bearing Cone	91816	1	Small
8	Bearing Cup	92896	1	Small
9	Casting w/ Tapped Holes - Model Q81 Gearbox	9003447	1	Use Kit #281885
10	Casting w/ Thru Holes - Model Q81 Gearbox	9003448	1	Not Shown - Use Kit #281885
9A	Casting w/ Thru Holes - Model Q145 Gearbox	9007299	1	Not Shown
10A	Casting w/ Tapped Holes - Model Q145 Gearbox	9007300	1	Not Shown
11	Seal	92688	1	Small
12	Seal	92702	1	Large
13	Capscrew, 3/8-16 UNC x 1 1/2	9390-057	9	
14	Pressure Relief, 5-PSI	92352	1	Not Shown
15	Plug, Plain	92350	3	Not Shown
16	Plug, 3/4" Npt	9001139	1	Not Shown
17	Hex Bushing Reducer	95282	1	Not Shown

Driveline U-Joint Assembly

Please visit www.unverferth.com/parts/ for the most current parts listing.



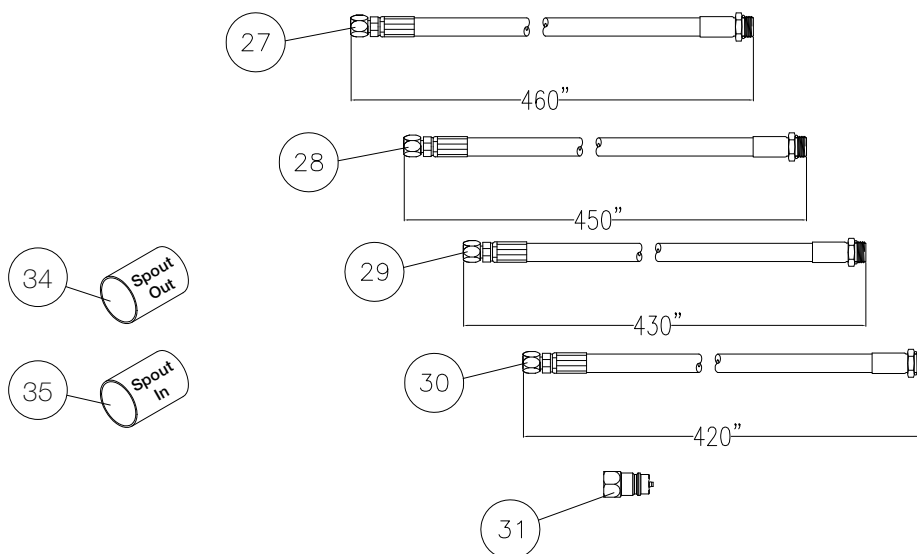
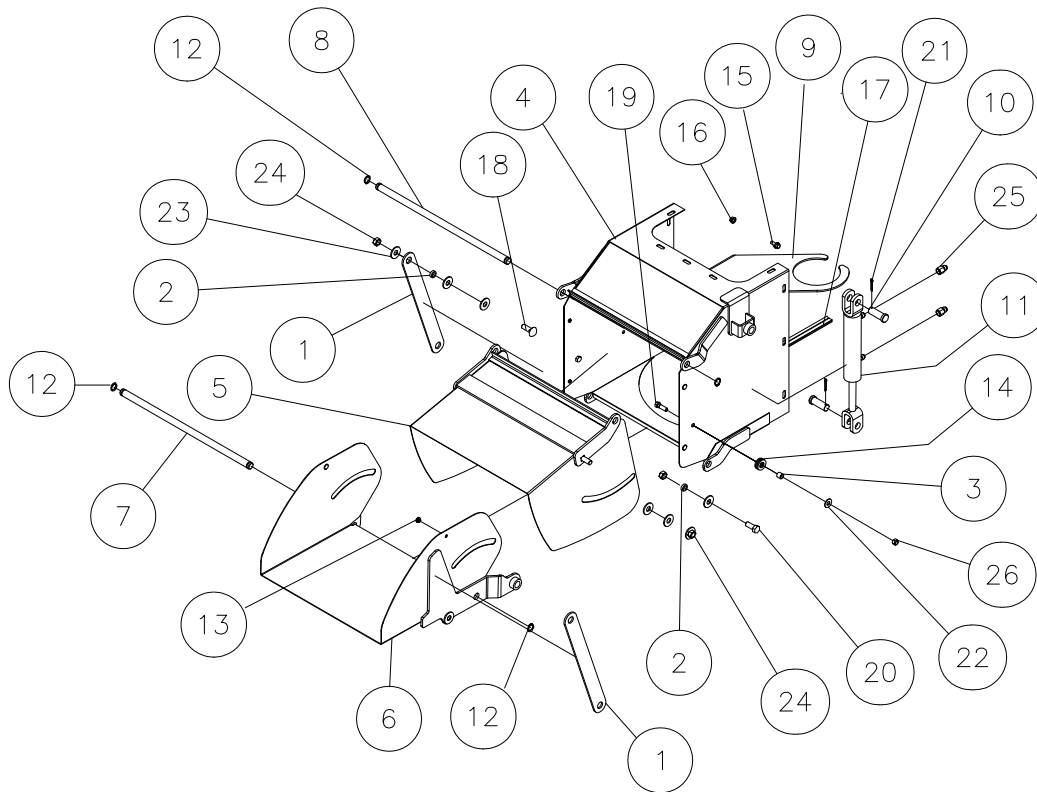
ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Complete U-Joint Ass'y	95012	1	
2	Yoke	95010	1	
3	Grease Zerk, 1/4-28 UNF	91160	1	
4	Yoke, 1-3/8-6 Spline	95011	1	
5	Quick-Disconnect Pin Kit	92362	1	
6	Cross & Bearing Kit	93857	1	
7	Grease Zerk	92365	1	

Notes

Please visit www.unverferth.com/parts/ for the most current parts listing.

Directional Downspout

Please visit www.unverferth.com/parts/ for the most current parts listing.



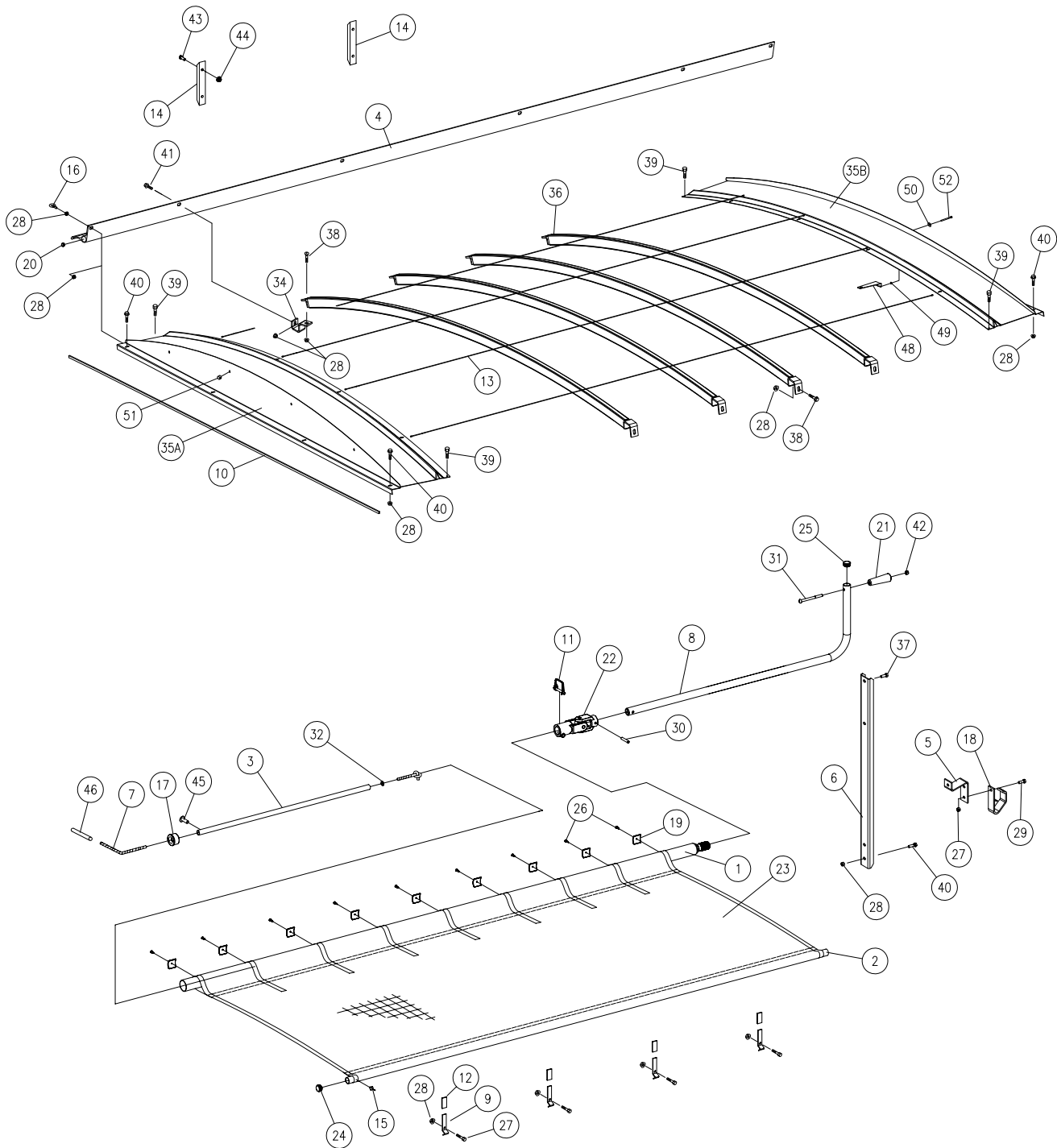
Directional Downspout

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
	Directional Downspout Kit - Model 9250	281403	-	
	Directional Downspout Kit - Models 7250 & 8250	281405		
	Hardware Kit for Directional Downspout	251522	-	
1	Arm Link	281368	2	
2	Bushing	281369	4	
3	Spacer	281372	2	
4	Hood Weldment	281376B	1	
5	Deflector Weldment, Upper	281377B	1	
6	Deflector Weldment, Lower	281378B	1	
7	Pivot Shaft	281389	1	
8	Pivot Shaft	281390	1	
9	Shipping Bracket	281391B	1	
10	Clevis Pin, 3/4x2	9002032	2	
11	Hydraulic Cylinder, 1 1/2 x 4	9003789	1	
12	Retaining Ring	9003810	4	
13	Plug, Plastic	9004457	6	
14	Washer, Nylon	9004494	6	
15	Flange Bolt, 5/16-18UNCx3/4	91256	1	
16	Flange Nut, 5/16-18UNC	91257	1	
17	Trim Lock, 32"	92444	1	
18	Carriage Bolt, 1/2-13 UNCx1 1/2	9388-104	2	
19	Capscrew, 3/8-16UNCx1 1/4	9390-056	2	
20	Capscrew, 1/2-13UNCx1 1/4	9390-100	2	
21	Cotter Pin, 5/32x1 1/4	9391-034	2	
22	Flat Washer, 3/8	9405-076	2	
23	Flat Washer, 1/2	9405-088	10	
24	Lock Nut, 1/2-13UNC	94981	4	
25	Tube Reducer	95193	2	0.030 Restrictor
26	Lock Nut, 3/8-16UNC	9928	2	
27	Hyd Hose, 1/4x460 (9250 Cart)	9004635	1	9/16-18 JICF Swvl x 3/4-16 ORM
28	Hyd Hose, 1/4x450 (9250 Cart)	9004634	1	9/16-18 JICF Swvl x 3/4-16 ORM
29	Hyd Hose, 1/4x430 (7250/8250 Cart)	9004637	1	9/16-18 JICF Swvl x 3/4-16 ORM
30	Hyd Hose, 1/4x420 (7250/8250 Cart)	9004636	1	9/16-18 JICF Swvl x 3/4-16 ORM
31	Male Tip Coupling	91383	2	3/4-16 ORF
32	Decal, Shipping (Not Shown)	9004715	1	For Initial Shipment Only
33	Hardware Kit for Corner Auger Cart (Not Shown)	251522	1	For Service Only
34	Hose Marker Sleeve - Spout Out	9003999	1	
35	Hose Marker Sleeve - Spout In	9004000	1	

Weather Guard Tarp - Model 7250

Please visit www.unverferth.com/parts/ for the most current parts listing.



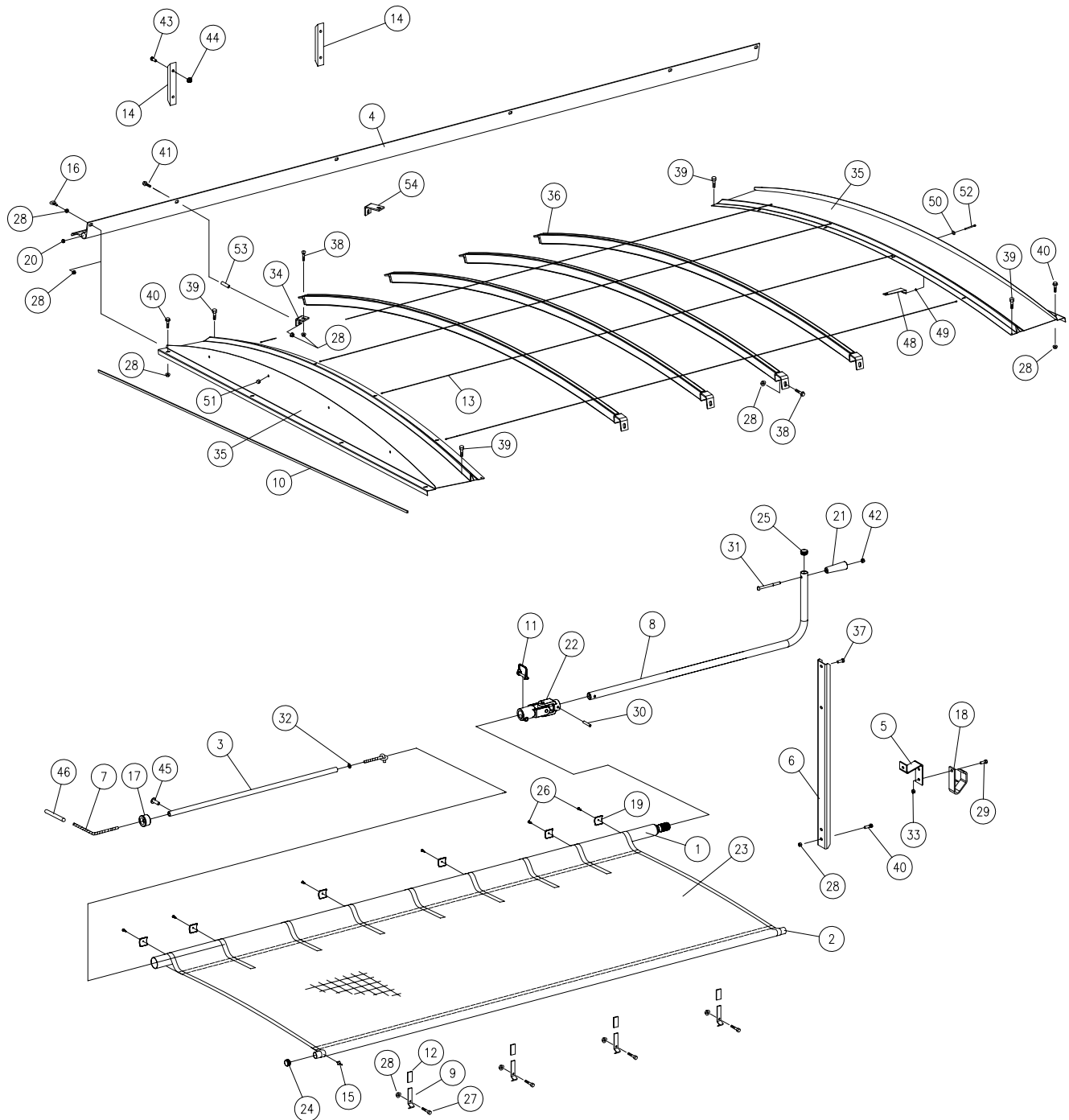
Weather Guard Tarp - Model 7250

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	221643	Tarp Kit with Arched End Caps	-	
1	221603	Roll Tube Weldment	1	
2	221588	Fixed Tube Weldment	1	
3	221668	Pipe - 180"	1	
4	221667	Plate - Latch 185"	1	
5	221700B	Bracket/Offset	1	
6	251132B	Channel Bracket 35 3/4" Long	1	
7	221722	Bungee 3/8" Dia. x 204"	1	
8	221749	Tarp Handle Weldment	1	
9	266689B	Tarp Short Stop Plate	4	
10	9000787	Trim-lok	A/R	
11	9005305	Lynch Pin 3/8" x 3"	1	
12	9003078	Cap - Plastic (2 x 3)	4	
13	9005697	Cable Assembly, 168"	4	
14	9001627	Deflector	2	
15	9003378	Rivet/Pop 3/16"	2	
16	9004548	Eye Bolt 3/8-16UNC x 1 3/4	1	
17	9004947	Plug 2"	1	
18	221770B	Tube Holder (Metal) - Pinless	1	
19	9004949	U-Clamp	6	
20	9004968	Plug 1"	2	
21	9004969	Handle (Plastic)	1	
22	9004977	U-Joint w/ 1 3/8-21 Spline	1	
23	9005039	Tarp 166 x 180	1	
24	9005088	Plug 1 1/8	2	
25	9005089	Plug 1 1/4	1	
26	9005197	Screw/Self Drilling #10-16 x 3/4 Pan Head	6	
27	91262	Screw/Large Flange 3/8-16UNC x 1	4	Grade 5
28	91263	Nut/Large Flange 3/8-16UNC	29	Grade 5
29	9390-055	Capscrew 3/8-16UNC x 1	1	Grade 5
30	9392-180	Roll Pin 3/8" Dia. x 2"	1	
31	9403-098	Round Head 3/8-16UNC x 4 1/2 Slotted Machine Screw	1	
32	9405-074	Flat Washer 3/8	1	
33	9928	Locknut 3/8-16UNC	1	
34	300972B	Bracket - Side Boards/Tarp Bow Weldment	4	
35A	281719B	End Cap Weldment (Front)	1	
35B	281720B	End Cap Weldment (Rear)	1	
36	280710B	Tarp Bow Weldment	4	
37	96972	Screw 3/8-16UNC x 1 Self-Tapping	2	
38	9388-051	Carriage Bolt 3/8-16UNC x 1	6	Grade 5
39	9512	Screw/Self Drilling 1/4-14 x 1 Hex Washer Head	6	
40	95585	Capscrew/Large Flange 3/8-16UNC x 3/4	10	Grade 5
41	9005312	Torx Truss Head Screw, 3/8-16UNC x 1	5	
42	9398-012	Elastic Stop Nut, 3/8-16	1	
43	9004355	Self-Threading Screw, 1/4-20UNC x 1	4	
44	97189	Large Flange Hex Nut, 1/4-20UNC	4	
45	9001396	Self-Drilling Screw, #10-16 x 1/2	1	
46	TA806225	Hose, 1/2"	1	
47	9005581	Tarp Repair Kit	1	(Not Shown)
48	281712B	Bracket & U-Nut Assembly	4	
49	9005688	Lockwasher, 3/8" External Tooth	4	
50	9005696	Fender Washer, 3/8"	4	
51	9005727	Plug, 7/16	4	
52	TA0-907131-0	Capscrew, 3/8-16UNC x 4 1/2	4	Grade 5

Weather Guard Tarp - Model 8250

Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	221645	Tarp Kit with Arched End Caps	-	
1	221603	Roll Tube Weldment	1	
2	221588	Fixed Tube Weldment	1	
3	221668	Pipe - 180"	1	
4	221669	Plate - Latch 185"	1	
5	221700B	Bracket/Offset	1	

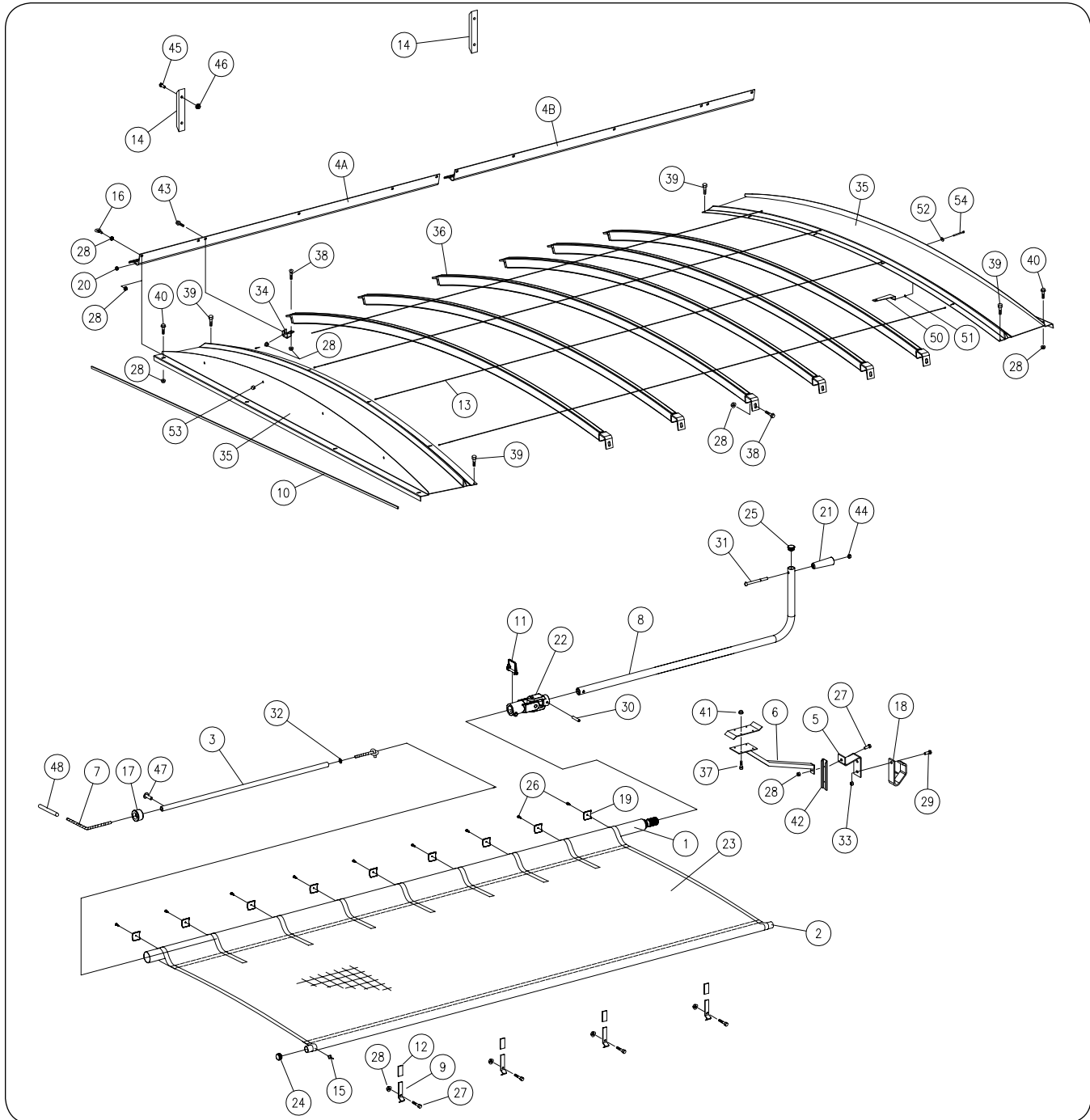
Weather Guard Tarp - Model 8250

Please visit www.unverferth.com/parts/ for the most current parts listing.

ITEM	PART NO.	DESCRIPTION	QTY	NOTES
6	251132B	Channel Bracket 35 3/4" Long	1	
7	221722	Bungee 3/8" Dia. x 204"	1	
8	221749	Tarp Handle Weldment	1	
9	266689B	Tarp Short Stop Plate	4	
10	9000787	Trim-lok	A/R	
11	9005305	Lynch Pin 3/8" x 3"	1	
12	9003078	Cap - Plastic (2 x 3)	4	
13	9005697	Cable Assembly, 168"	4	
14	9005307	Deflector	2	
15	9003378	Rivet/Pop 3/16"	2	
16	9004548	Eye Bolt 3/8-16UNC x 1 3/4	1	
17	9004947	Plug 2"	1	
18	221770B	Tube Holder (Metal) - Pinless	1	
19	9004949	U-Clamp	6	
20	9004968	Plug 1"	2	
21	9004969	Handle (Plastic)	1	
22	9004977	U-Joint w/ 1 3/8-21 Spline	1	
23	9005039	Tarp 166 x 180	1	
24	9005088	Plug 1 1/8	2	
25	9005089	Plug 1 1/4	1	
26	9005197	Screw/Self Drilling #10-16 x 3/4 Pan Head	6	
27	91262	Screw/Large Flange 3/8-16UNC x 1	4	Grade 5
28	91263	Nut/Large Flange 3/8-16UNC	29	Grade 5
29	9390-055	Capscrew 3/8-16UNC x 1	1	Grade 5
30	9392-180	Roll Pin 3/8" Dia. x 2"	1	
31	9403-098	Round Head 3/8-16UNC x 4 1/2 Slotted Machine Screw	1	
32	9405-074	Flat Washer 3/8	1	
33	9928	Locknut 3/8-16UNC	1	
34	300978B	Bracket - Side Boards/Tarp Bow Weldment	4	Beginning w/SN B32410100
35	281716B	End Cap Weldment	2	
36	280710B	Tarp Bow Weldment	4	
37	96972	Screw 3/8-16UNC x 1 Self-Tapping	2	
38	9388-051	Carriage Bolt 3/8-16UNC x 1	6	Grade 5
39	9512	Screw/Self Drilling 1/4-14 x 1 Hex Washer Head	4	
40	95585	Capscrew/Large Flange 3/8-16UNC x 3/4	10	Grade 5
41	9005312	Torx Truss Head Screw, 3/8-16UNC x 1	5	
42	9398-012	Elastic Stop Nut, 3/8-16	1	
43	9004355	Self-Threading Screw, 1/4-20UNC x 1	4	
44	97189	Large Flange Hex Nut, 1/4-20UNC	4	
45	9001396	Self-Drilling Screw, #10-16 x 1/2"	1	
46	TA806225	Hose, 1/2"	1	
47	9005581	Tarp Repair Kit	1	(Not Shown)
48	281712B	Bracket & U-Nut Assembly	4	
49	9005688	Lockwasher, 3/8" External Tooth	4	
50	9005696	Fender Washer, 3/8"	4	
51	9005727	Plug, 7/16	4	
52	TA0-907131-0	Capscrew, 3/8-16UNC x 4 1/2	4	Grade 5
53	300974	Spacer Tube	4	
54	280343B	Bracket - Side Boards/Tarp Bow Weldment	4	Prior to SN B32410100

Weather Guard Tarp - Model 9250

Please visit www.unverferth.com/parts/ for the most current parts listing.



ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	221649	Tarp Kit with Arched End Caps	-	
1	221604	Roll Tube Weldment	1	
2	221610	Fixed Tube Weldment	1	
3	221668	Pipe - 180"	1	
4A	221670	Plate - Latch 126 1/2"	1	
4B	221671	Plate - Latch 126 1/2"	1	
5	221700B	Bracket/Offset	1	
6	265706B	Tarp Crank Holder Weldment	1	

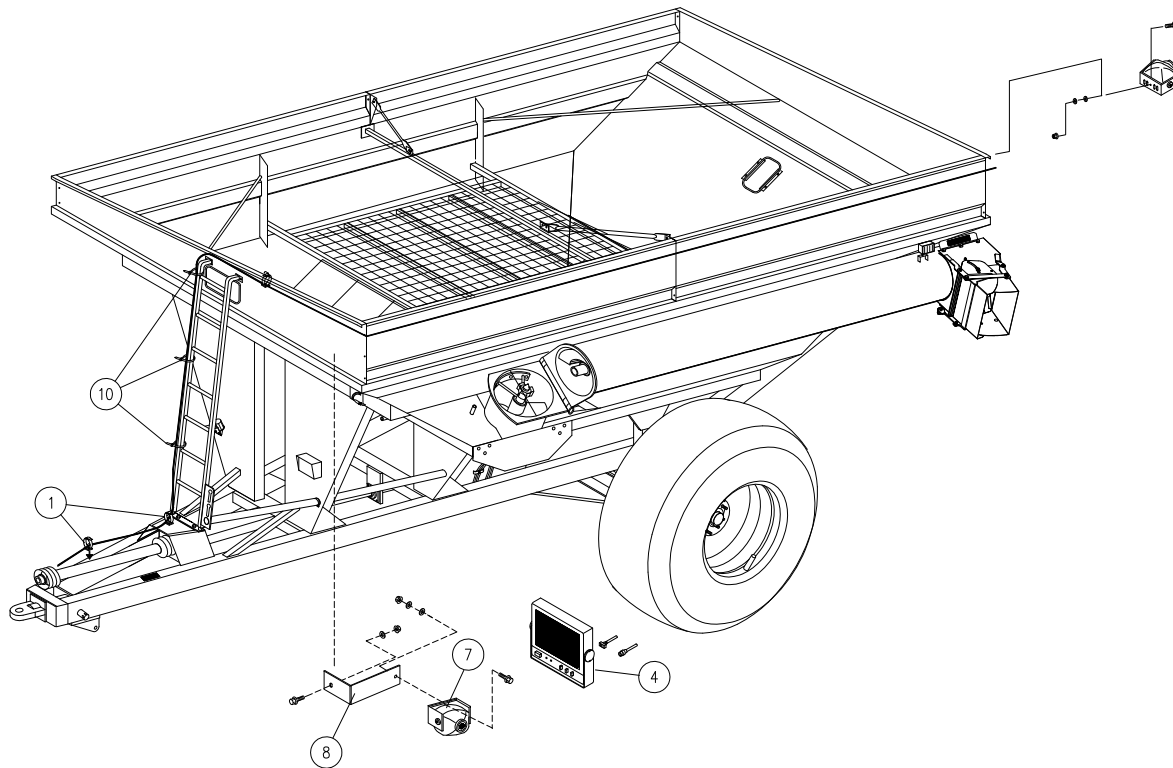
Weather Guard Tarp - Model 9250

Please visit www.unverferth.com/parts/ for the most current parts listing.

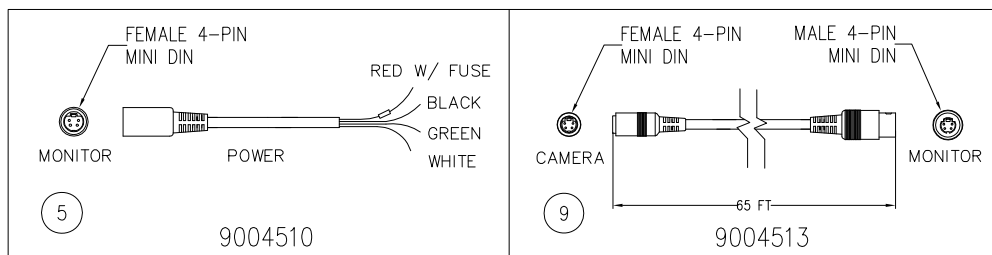
ITEM	PART NO.	DESCRIPTION	QTY	NOTES
7	221722	Bungee 3/8" Dia. x 204"	1	
8	221749	Tarp Handle Weldment	1	
9	266689B	Tarp Short Stop Plate	6	
10	9000787	Trim-lok	A/R	
11	9005305	Lynch Pin 3/8" x 3"	1	
12	9003078	Cap - Plastic (2 x 3)	6	
13	9005698	Cable Assembly, 234"	4	
14	9005307	Deflector	2	
15	9003378	Rivet/Pop 3/16"	2	
16	9004548	Eye Bolt 3/8-16UNC x 1 3/4	1	
17	9004947	Plug 2"	1	
18	221770B	Tube Holder (Metal) - Pinless	1	
19	9004949	U-Clamp	8	
20	9004968	Plug 1"	2	
21	9004969	Handle (Plastic)	1	
22	9004977	U-Joint w/ 1 3/8-21 Spline	1	
23	9005040	Tarp 166 x 247	1	
	9005581	Tarp Repair Kit	-	
24	9005088	Plug 1 1/8	2	
25	9005089	Plug 1 1/4	1	
26	9005197	Screw/Self Drilling #10-16 x 3/4 Pan Head	8	
27	91262	Screw/Large Flange 3/8-16UNC x 1	6	Grade 5
28	91263	Nut/Large Flange 3/8-16UNC	35	Grade 5
29	9390-055	Capscrew 3/8-16UNC x 1	4	Grade 5
30	9392-180	Roll Pin 3/8" Dia. x 2"	1	
31	9403-098	Round Head 3/8-16UNC x 4 1/2 Slotted Machine Screw	1	
32	9405-074	Flat Washer 3/8	1	
33	9928	Locknut 3/8-16UNC	1	
34	300977B	Bracket - Side Boards/Tarp Bow Weldment	6	
35	281713B	End Cap Weldment	2	
36	280710B	Tarp Bow Weldment	6	
37	9390-099	Capscrew 1/2-13UNC x 1	4	Grade 5
38	9388-051	Carriage Bolt 3/8-16UNC x 1	10	Grade 5
39	9512	Screw/Self Drilling 1/4-14 x 1 Hex Washer Head	4	
40	95585	Capscrew/Large Flange 3/8-16UNC x 3/4	8	Grade 5
41	9002058	Flange Nut 1/2-13UNC	4	
42	265743B	Crank Holder Extn Channel	1	
43	9005312	Torx Truss Head Screw, 3/8-16UNC x 1	9	
44	9398-012	Elastic Stop Nut, 3/8-16	1	
45	9004355	Self-Threading Screw, 1/4-20UNC x 1	4	
46	97189	Large Flange Hex Nut, 1/4-20UNC	4	
47	9001396	Self-Drilling Screw, #10-16 x 1/2	1	
48	TA806225	Hose, 1/2"	1	
49	9005581	Tarp Repair Kit	1	(Not Shown)
50	281712B	Bracket & U-Nut Assembly	4	
51	9005688	Lockwasher, 3/8" External Tooth	4	
52	9005696	Fender Washer, 3/8"	4	
53	9005727	Plug, 7/16	4	
54	TA0-907131-0	Capscrew, 3/8-16UNC x 4 1/2	4	Grade 5

Video System (Optional)

Please visit www.unverferth.com/parts/ for the most current parts listing.



IMPORTANT ! Do not operate
Video System below 15° F.



ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	265770	Video System Kit for Front View	1	Includes Items 1,3,4,5,6,7,8
	9004506	Video System Kit for Rear View	1	Includes Items 6 & 7
1	TAAU14007	Snap Clip, Adhesive	10	
3	9512	Self-Drilling Screw 1/4-14 x 1	10	
4	9006273	Monitor, 7" LCD/LED	1	
5	9004510	Cable w/Fuse	1	
7	9006274	Camera	1	
8	265771B	Bracket	1	
9	9004513	Cable, 65'	1	
10	9000106	Cable Tie	AR	
11	9007174	Camera Cable, 16 ft	1	Not Shown

Notes

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