TRANSPORTATION EQUIPMENT

HEADER TRANSPORT

Models: HT-25, HT-30, HTD-30, HT-36, HT-42

Serial #A57240100 and Higher

Part No. 32561

Foreword

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.

PRE-OPERATION CHECKLIST

- ☐ Power wash any road salt off this unit to help prevent corrosion.
- ☐ Torque wheel nuts and check tire pressure as specified in MAINTENANCE section.
- ☐ All grease fittings have been lubricated.
- ☐ Verify all safety decals are correctly located and legible. Replace if damaged.
- ☐ Verify all reflective decals are correctly located.
- ☐ Verify that transport chains are properly installed and hardware is torqued to specification. See "Transport Chain Connection" in OPERATION section.
- ☐ Paint all parts scratched during shipment and dealer set up.

Product Information

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

- Machine name
- 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 rear axle frame assembly (Fig. 1).

Purchase Date _____ Model _____Serial No._____

Dealer _____ City _____

Dealer Contact _____ Phone _____

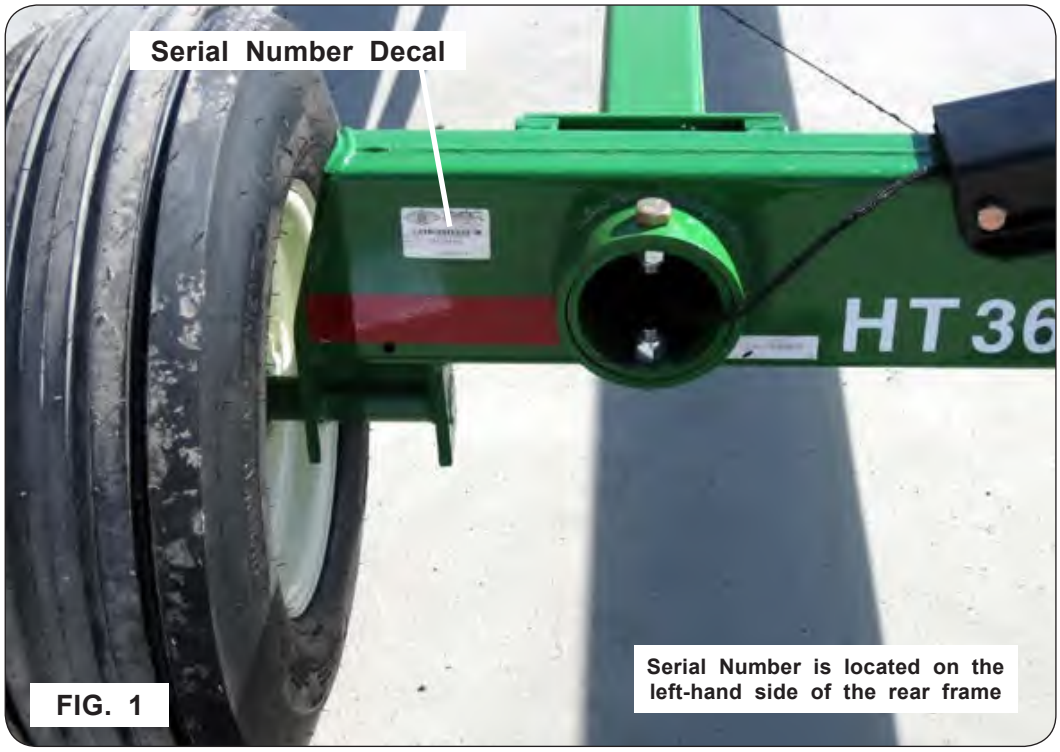

FIG. 1

IMPORTANT

The information, specifications, and illustrations in the manual are on the basis of 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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Safety

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

DANGER

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

WARNING

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

CAUTION

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

IMPORTANT

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

Safety Decals

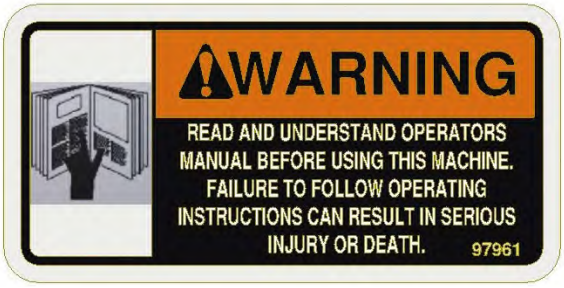
WARNING

- **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.**

PART NO. 97575

PART NO. 91072

PART NO. 98229



PART NO. 97961

PART NO. 97877

PART NO. 95839

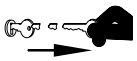
PART NO. 9003126

PART NO. 9003127

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 off and remove key before servicing.



- 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 driver's seat.

Before Servicing

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

- 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.
- When working around the implement, be careful not to be cut by sharp edges.
- Ensure that all applicable safety decals are installed and legible.

Before Operating

- Do not stand between towing vehicle and implement during hitching.
- Do not stand between head and implement during operation.
- Always make certain everyone and everything is clear of the machine before beginning operation.
- When working around the implement, be careful not to be cut by sharp edges.
- Ensure that all applicable safety decals are installed and legible.

During Operation

- Regulate speed to field conditions. Maintain complete control at all times.
- Never service or lubricate equipment when in operation.
- Use extreme care when operating close to ditches, fences, or on hillsides.
- Do not leave towing vehicle unattended with engine running.
- Do not adjust transporter with head positioned over unit.

Before Transporting

- Secure transport chains to towing vehicle before transporting. DO NOT transport without chains.
- This implement may not be equipped with brakes. Ensure that the towing vehicle has adequate weight and braking capacity to tow this unit.
- Before transporting, secure the head with straps. Replace damaged or worn straps, and avoid putting straps over rough, sharp surfaces. Use appropriate number and capacity rating of straps.
- Check for proper function of all available transport lights. Make sure that all reflectors are clean and in place on machine.

During Transport

- Comply with all laws governing highway safety when moving machinery.
- Use transport lights as required by all 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.
- Slow down before making sharp turns to avoid tipping. Drive slowly over rough ground and side slopes.
- Use rear hitch for transporting an additional unloaded Header Transport only. Do not use for towing any other implement.
- 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.

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

SECTION II
Set Up

General Set Up Information

For your safety, and the safety of others, use proper tools and equipment and always use safe working procedures. Refer to these instructions before starting any work on your machine.

IMPORTANT

- *The procedures for assembling this unit were intended for two or more people.*

For ease of assembly, install all hardware loosely until assembly is complete and then tighten according to "Torque Chart" unless otherwise specified.

⚠ WARNING

- **READ AND UNDERSTAND SAFETY RULES BEFORE OPERATING OR SERVICING THIS MACHINE. REVIEW "SAFETY" SECTION IN THIS MANUAL IF NECESSARY.**
- **TIPPING OR MOVEMENT OF THE MACHINE CAN CAUSE SERIOUS INJURY OR DEATH. BE SURE MACHINE IS SECURELY BLOCKED..**
- **MOVING PARTS CAN CRUSH AND CUT. KEEP AWAY FROM MOVING PARTS.**
- **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 2,500 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**
- **KEEP HANDS CLEAR OF PINCH POINT AREAS.**
- **CUTTER BAR CAN CUT. KEEP AWAY FROM SHARPENED EDGES.**
- **EYE PROTECTION AND OTHER APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT MUST BE WORN WHEN SERVICING THE IMPLEMENT.**

Tires And Wheels

1. Install proper wheels and tires onto axle and secure with bevel nuts. Refer to Wheel Torque Chart in “MAINTENANCE” section.

NOTE: Wheels must be mounted with valve stem facing away from the Header Transport.

⚠ 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

- *Check tire inflation pressure before installing.*

Frame

1. Using a safe lifting device rated at 1,000 lbs., raise the lower rest tube onto blocks at least 16 1/2 inches high, from the lower holes of the end plates (on lower rest tube, Fig. 1-1).

NOTE: (MODEL HT-25 ONLY) The lower rest tube may be assembled in either of two positions. The first setting is the standard position used for most combines in which the head can be raised over 25 inches high. The alternate position is for combines where the head will not raise sufficiently to clear the rest brackets (Fig. 1-1).

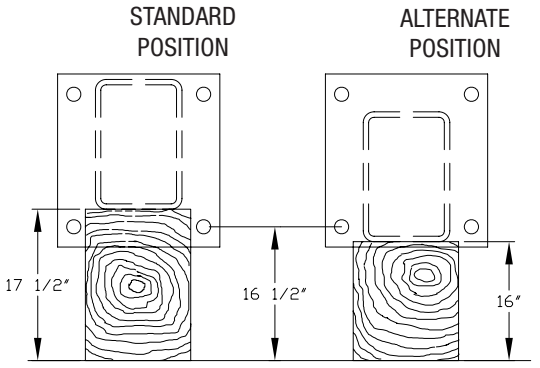


FIG. 1-1

Frame (continued)

2. Set front and rear axles into position and secure the front axle to the support swivel tube with four 5/8”-11UNC x 5” capscrews and locknuts (FIG. 2-2).

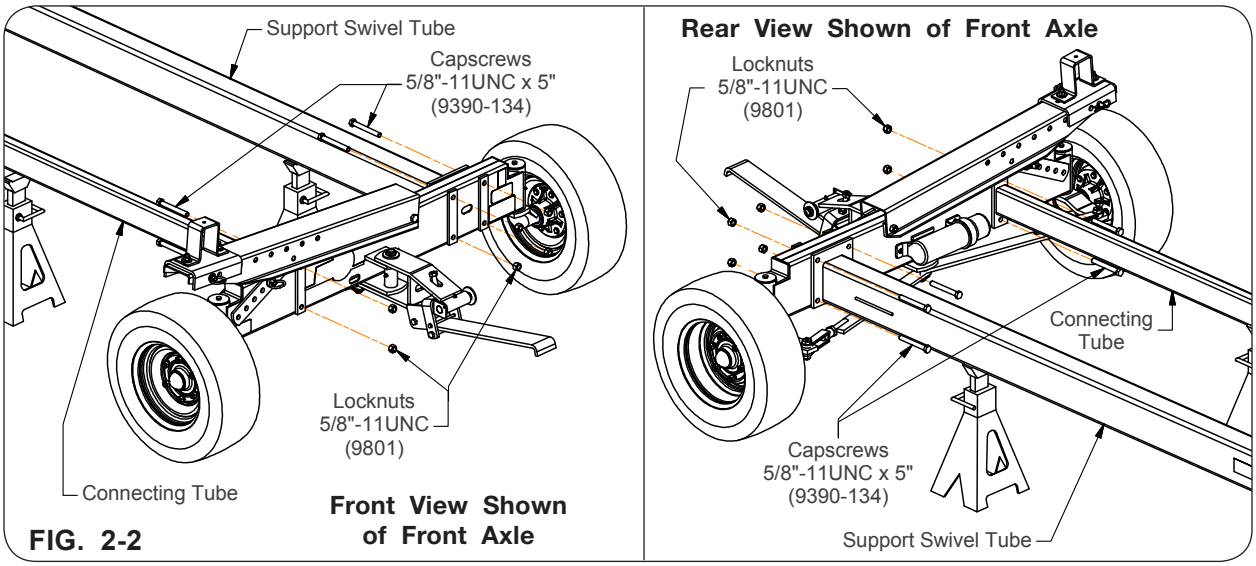


FIG. 2-2

3. Position connecting tube between the front and rear axles with a safe lifting device rated for at least 2500 lbs. Attach the connecting tube to the front axle with two 5/8”-11UNC x 5” capscrews and locknuts as shown in FIG. 2-2.

4. Remove the collar and mounting hardware from the rear of the support swivel tube (FIG. 2-3). Insert the support swivel tube through the rear axle frame. Secure support swivel tube with the previously removed collar and mounting hardware as shown in FIG. 2-3.

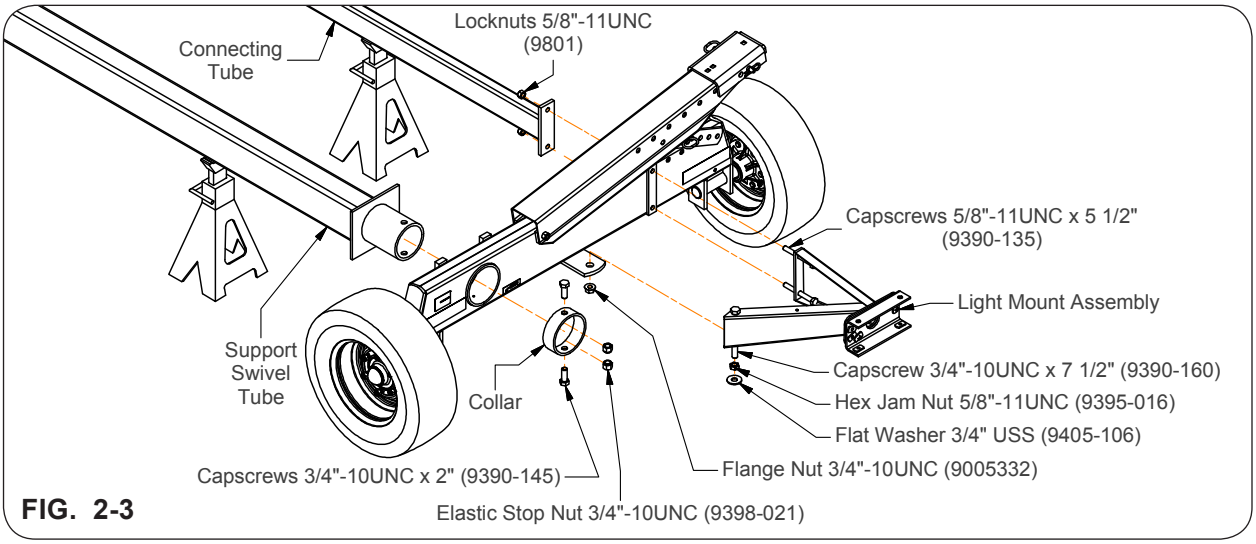


FIG. 2-3

5. Secure the connecting tube to the rear axle frame with light mounting assembly as shown in FIG. 2-3.

⚠ CAUTION

- **DO NOT OVER-TIGHTEN HARDWARE, OVER TIGHTENING COULD CAUSE AXLE FAILURE.**

6. Tighten all hardware. Refer to Torque Chart in “MAINTENANCE” section.

Frame (continued)

NOTE: Filler rods on lower bar are for safety reasons only, these rods are in place to prevent header rest brackets from being positioned too close to the front axle, causing possible tire damage when unit is transported.

7. Lower the unit to the ground, resting on the tires.

Rest Bracket

1. Install the rest bracket with a 5/8"-11UNC x 7" carriage bolt, 5/8" hardened washer, handle, and trunnion.

2. To adjust the tightness of the rest bracket, loosen the handle and rotate the 5/8"-11UNC x 7" carriage bolt in 90° increments until the proper tightness is achieved.

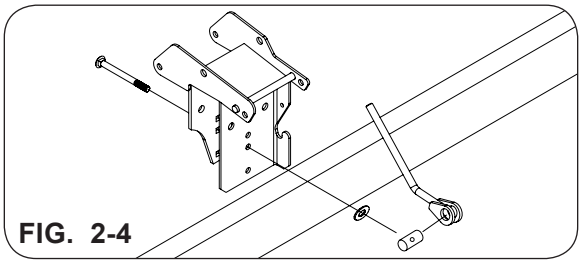


FIG. 2-4

Upper Rest Bar

MODELS HT25 & HT30

NOTE: For ease and safer assembly, be sure both arms are in the lowest position.

1. Remove hardware, strap (3962) on both arms (Fig. 2-5).

2. Using a safe lifting device rated at a minimum of 400 lbs., position upper rest bar onto both arms and reinstall straps (3962) and hardware. For initial set-up, position upper bar so that approximately four feet extends beyond the front axle. Refer to Lateral Adjustment in "OPERATION" section of this manual.

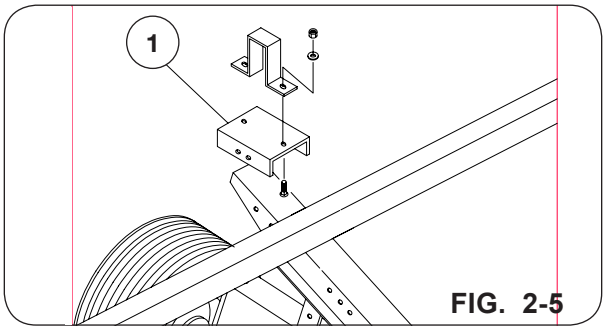


FIG. 2-5

MODELS HT36 & HT42

NOTE: For ease and safer assembly, be sure both arms are in the lowest position.

3. Remove straps (30693B), see Fig. 2-6.

4. Assemble each tube halfway into coupler (30886G or 30886R) and tighten hardware (Fig. 2-6).

5. Position upper rest bar onto both arms and reinstall straps (30693B) and hardware. For initial set-up, position upper bar so that approximately six - eight feet extends beyond the front axle. Refer to Lateral Adjustment in "Operations & Adjustments" section of this manual.

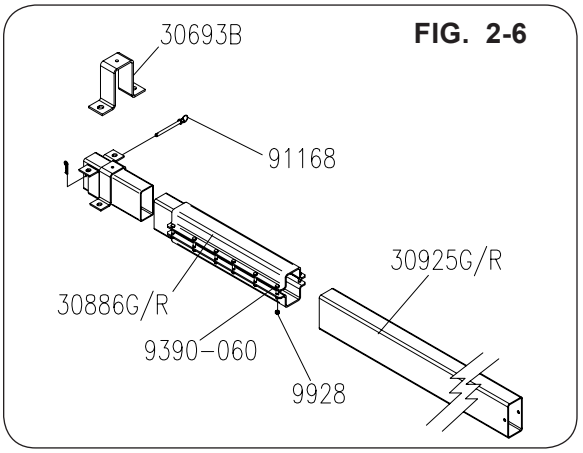


FIG. 2-6

Light Bar Installation - Axle Mounting

1. Install the third light (32733B, 32738B or 32742B), sized to the upper bar, onto the end of the bar. Wire should exit towards the left side of the machine. Connect the light bar wire harness to the long wire harness (Fig. 2-16).

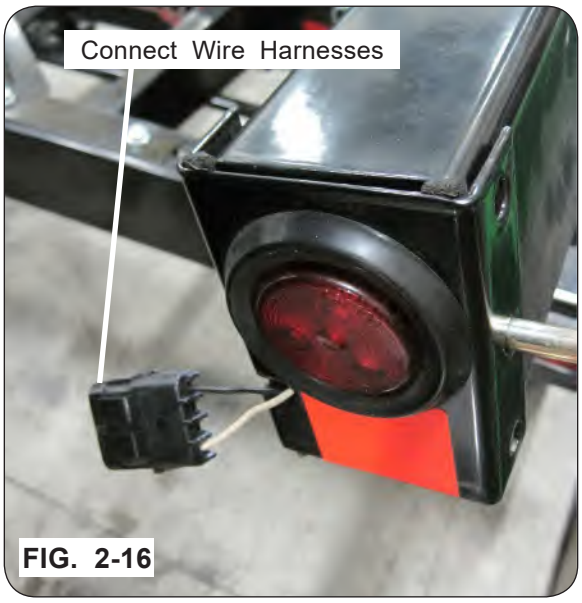


FIG. 2-16

2. Continue to route long wire harness along tube to rear frame of transport. Route around the front of the arm (Fig. 2-17).

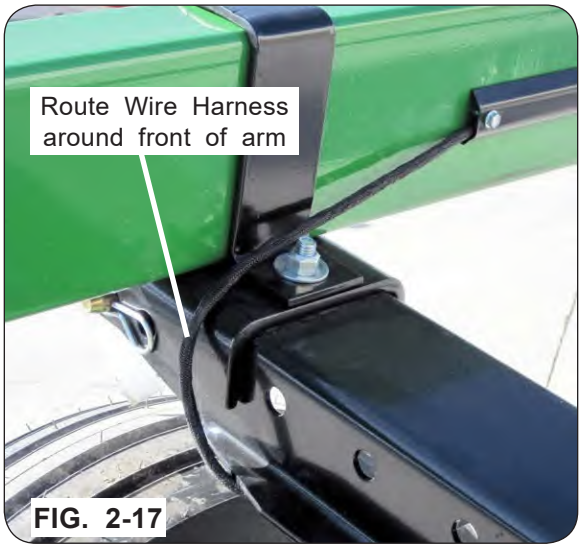


FIG. 2-17

Light Bar Installation - Axle Mounting (continued)

3. Route under arm and on top of plate and bushing on underside of arm. Continue along top of axle and exit the left side of the arm. The short leg of the "Y" in the harness is routed up the angled leg of the light bar mount. Route the long leg of the harness into frame tube (Fig. 2-18A, 2-18B & 2-18C).

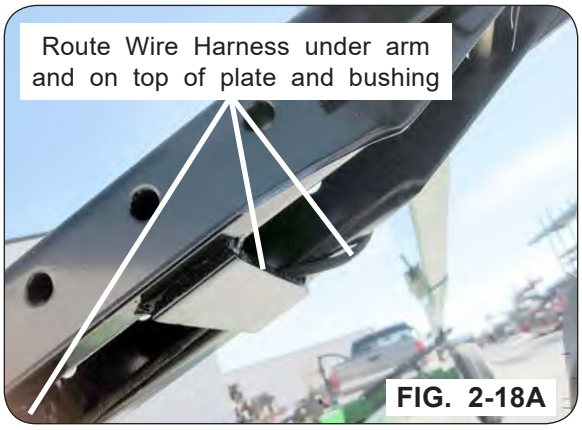


FIG. 2-18A

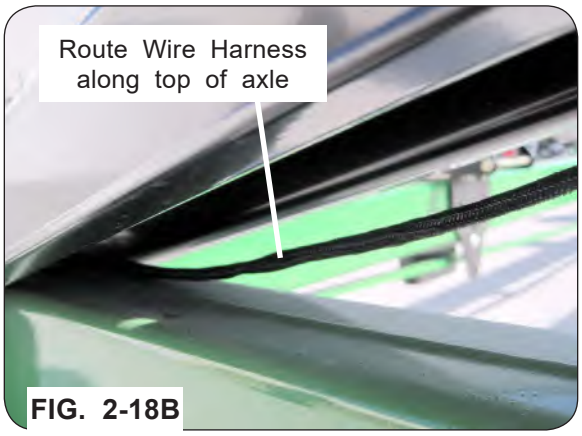


FIG. 2-18B

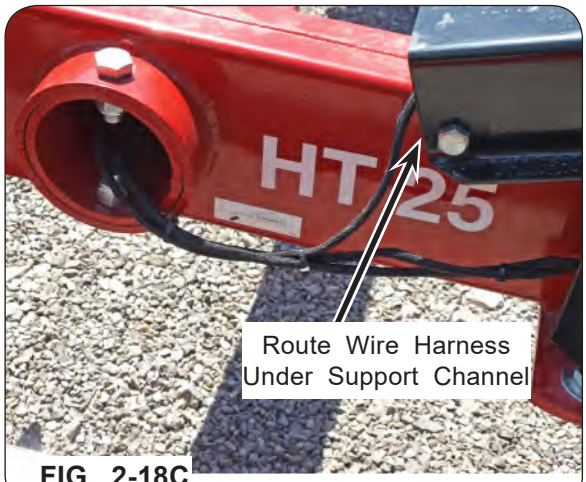


FIG. 2-18C

Light Bar Installation - Axle Mounting (continued)

4. Attach light bar onto end of light mounting arm. Remove top and bottom bolts from one side of the backing plate on light bar. Attach that side of the light bar to the light mounting arm using bolts removed. Nuts can be discarded (Fig. 2-19).

NOTE: When attaching the light bar, be sure the cover side of the light bar is facing the light mounting arm.

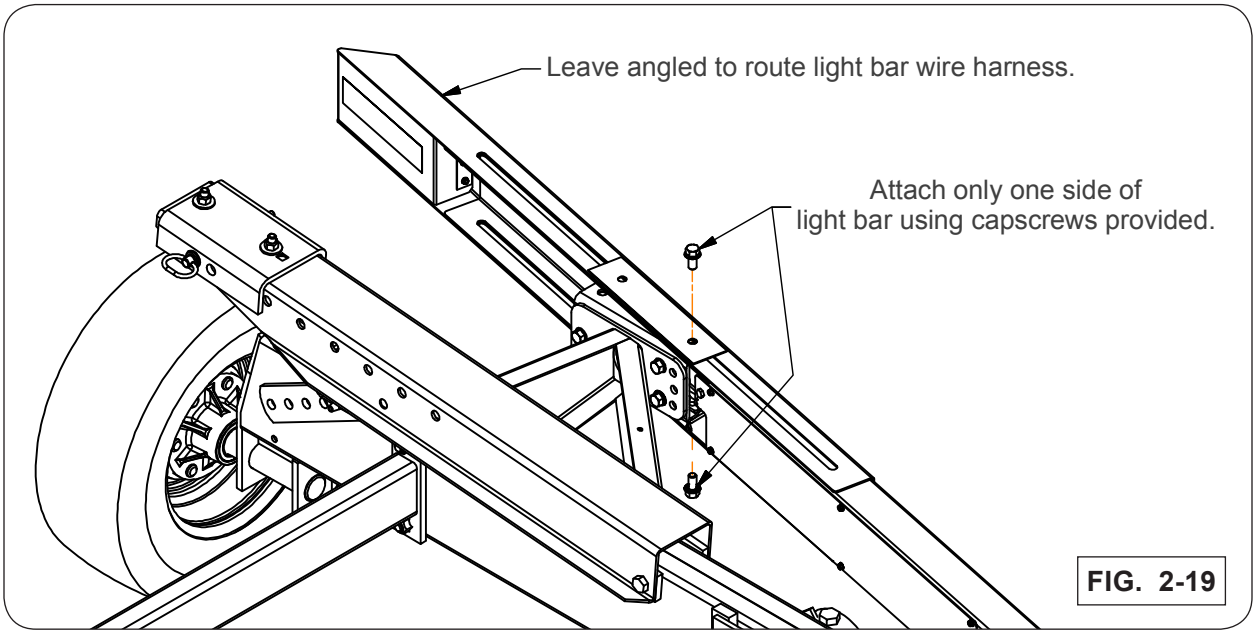


FIG. 2-19

5. Once secured, angle light bar so wire harness can be routed through the hole in the end of light mounting arm (Fig. 2-20).

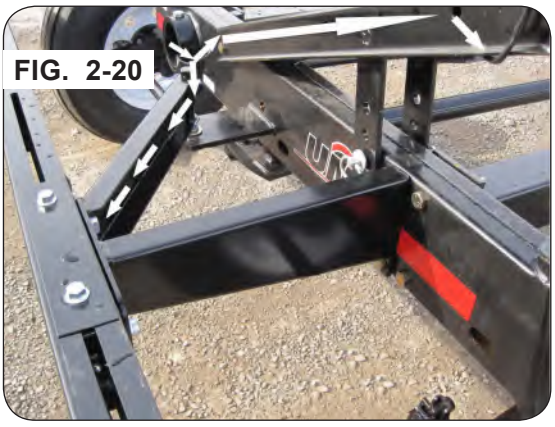


FIG. 2-20

Light Bar Installation - Axle Mounting (continued)

6. Before bolting opposite side of light bar to light mounting arm, remove wire harness from spring clip on the light bar. (Fig. 2-21 & 2-22).

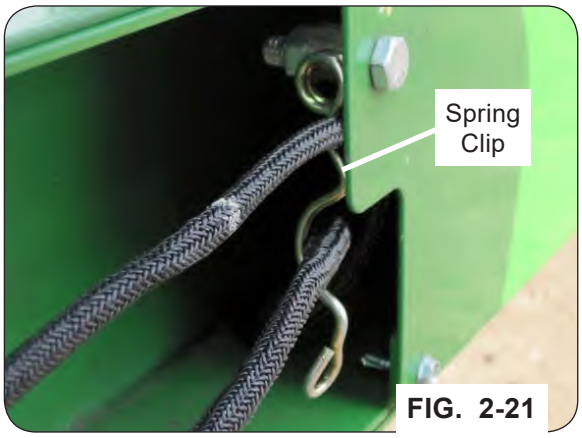


FIG. 2-21

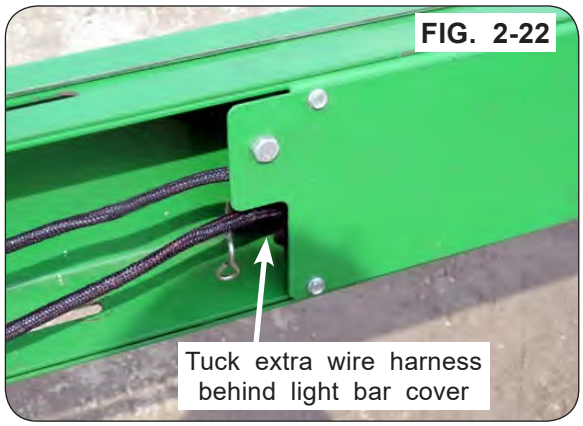


FIG. 2-22

7. With light bar wire harness in place, remove top and bottom bolts on the opposite side of backing plate on light bar. Attach light bar to light mounting arm using bolts removed (Fig. 2-23). Nuts can be discarded. Extend light bar all the way to the left to determine the length of wire harness required. To adjust light bar see “Operations & Adjustment” Section.

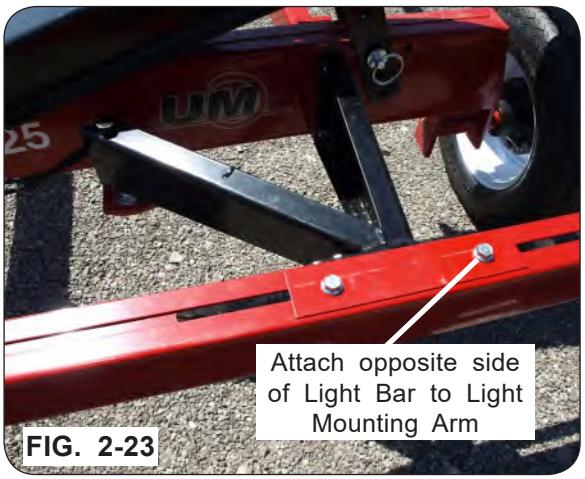
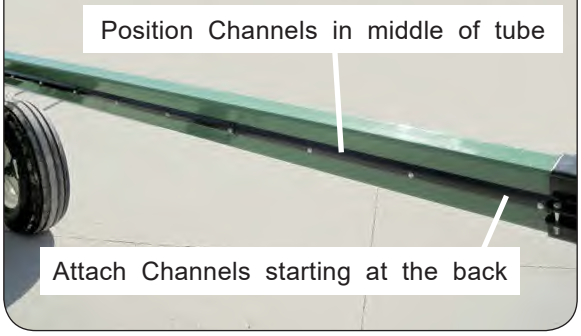


FIG. 2-23

Light Bar Installation - Axle Mounting (continued)

8. Position upper bar in working position front to rear. Refer to Upper Bar Adjustment in “Operations & Adjustments” section of this manual. Starting at the back, attach channels by either overlapping or leaving a space in between. Pre-drill the tube with 3/16” holes. Secure channels using self-drilling screws (9523). Center channels along middle of the tube from top to bottom as required by top bar location. (Fig. 2-25).

FIG. 2-25



NOTE: The front most channel may need to be pushed back, overlapping more holes of channels if tube positioning interferes.

Refer to Lights in “Operations & Adjustments” section of this manual to set light bar location and to secure in place.

Light Bar Installation - Upper Bar Mounting Optional

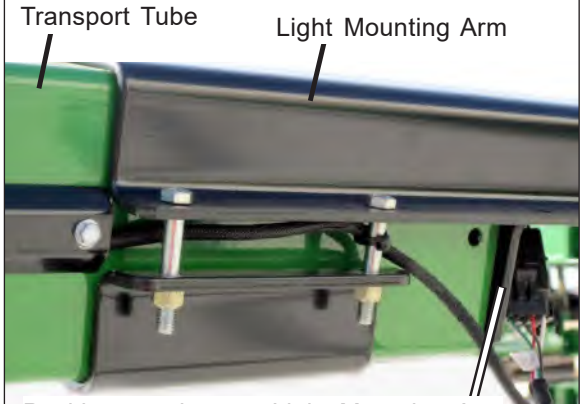
The following instructions are for attaching the rear light bar onto the end of the header transport tube.

Note: Prior to beginning assembly you will need:

- Tape Measure or Fish Tape (Minimum 22 ft.)
- Long Narrow Screwdriver
- Electrical Tape
- Needle Nose Pliers
- Piece of stiff wire bent in “L” shape

1. Mount the light mounting arm onto the header transport frame. Make sure the plate on the light mounting arm caps the end of the transport tube. Secure with hardware provided. See figure 2-22.

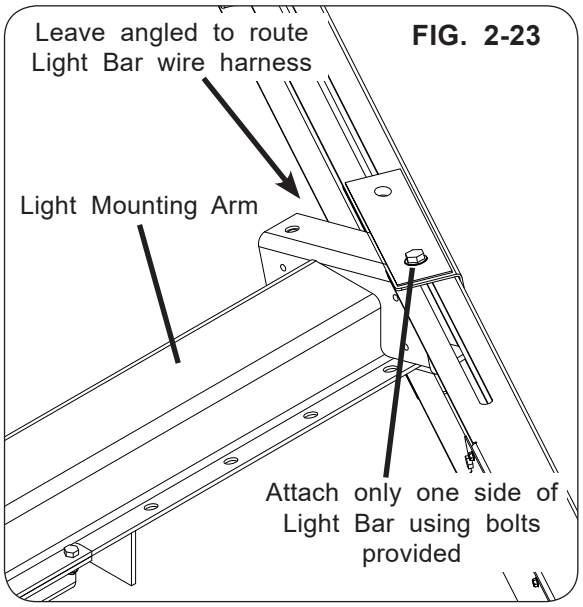
FIG. 2-22



2. Attach light bar onto end of light mounting arm. Remove top and bottom bolts from one side of the backing plate on light bar. Attach that side of the light bar to the light mounting arm using bolts removed. Nuts can be discarded. See figure 2-23.

NOTE: When attaching the light bar, be sure the cover side of the light bar is facing the light mounting arm.

FIG. 2-23



Light Bar Installation - Upper Bar Mounting Optional (continued)

3. Once secured, angle light bar so wire harness can be routed through end of light mounting arm, see figure 2. Slide wire harness through hole on underside of light mounting arm. See figure 2-24.

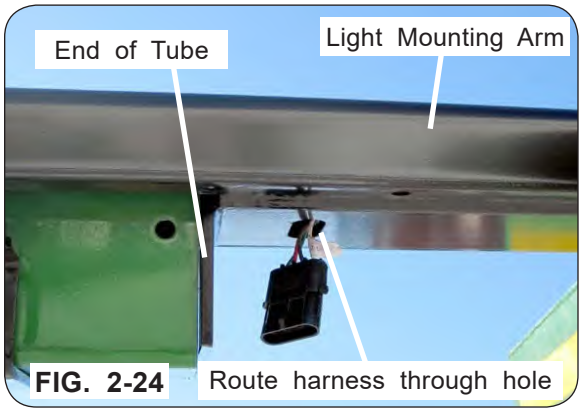


FIG. 2-24

4. Before bolting opposite side of light bar to light mounting arm, remove wire harness from spring clip on the light bar. See figure 2-25.

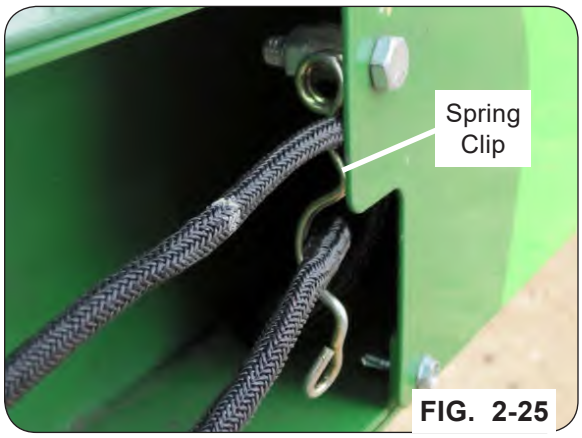


FIG. 2-25

Light Bar Installation - Upper Bar Mounting Optional (continued)

5. With light bar wire harness in place, remove top and bottom bolts on the opposite side of backing plate on light bar. Attach light bar to light mounting arm using bolts removed, see figure 2-26. Nuts can be discarded. Extend light bar all the way to the left to determine the length of wire harness required, see figure 6. Tuck extra wire harness behind light bar cover for storage, see figure 2-28.

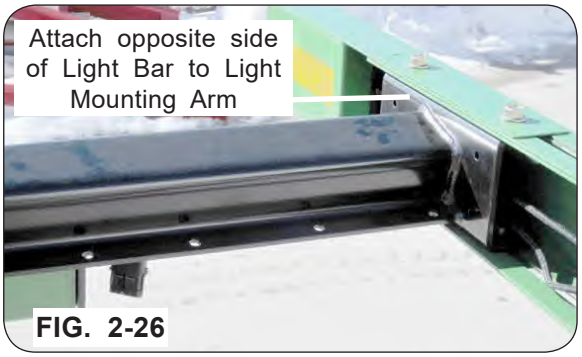


FIG. 2-26

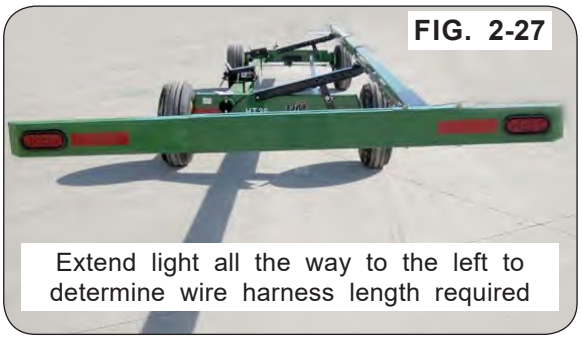


FIG. 2-27
Extend light all the way to the left to determine wire harness length required

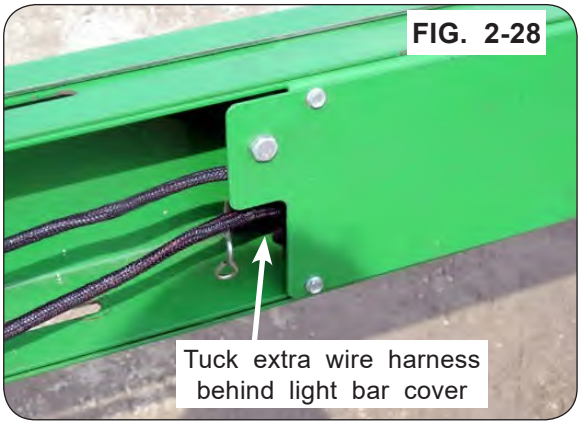


FIG. 2-28

Light Bar Installation - Upper Bar Mounting Optional (continued)

6. Connect light bar wire harness to long wire harness. See figure 2-29.

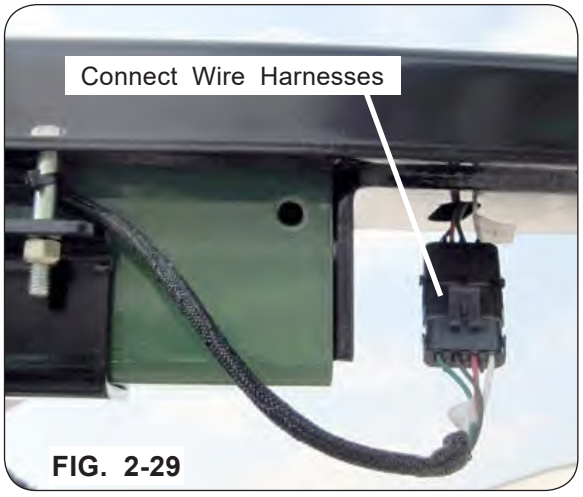


FIG. 2-29

7. Route long wire harness behind bolts on light mounting arm. Do not attach channels at this time. See figure 2-30.

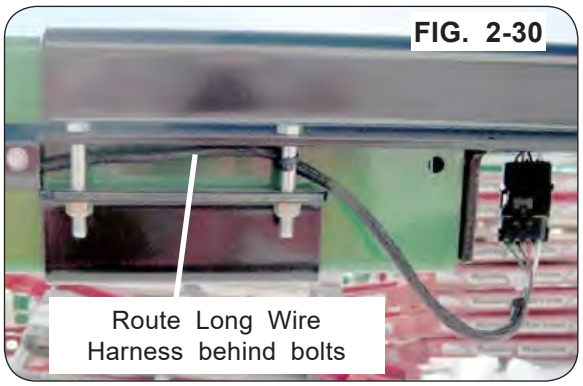


FIG. 2-30

8. Continue to route long wire harness along tube to rear frame of transport. Route around the front of the arm. See figure 2-31.

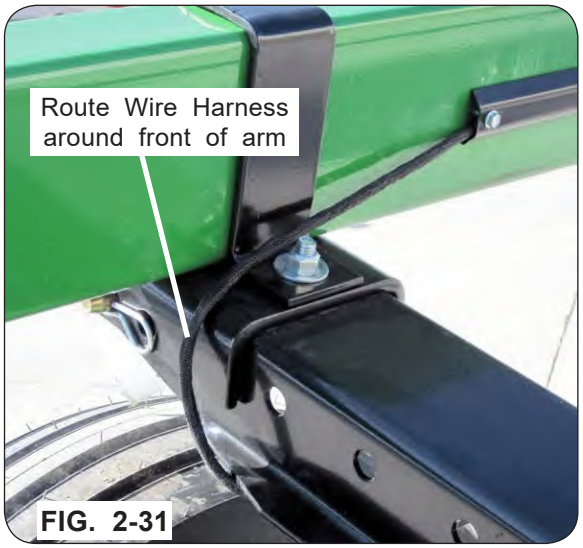


FIG. 2-31

Light Bar Installation - Upper Bar Mounting Optional (continued)

9. Route under arm and on top of plate and bushing on underside of arm. Continue along top of axle and exit the left side of the arm and into frame tube. See figures 2-32, 2-33 and 2-34.

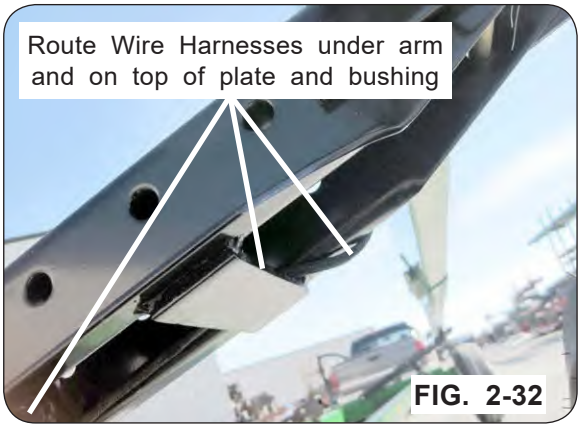


FIG. 2-32

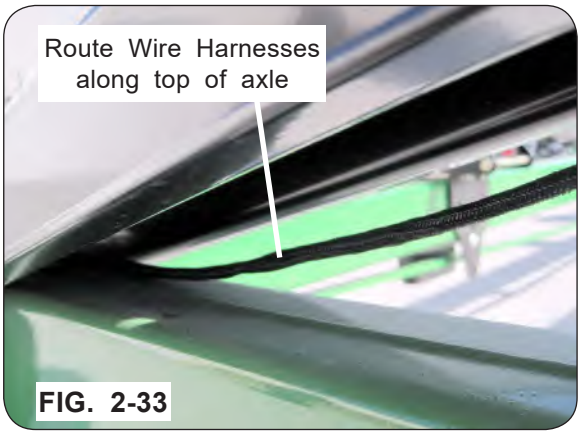


FIG. 2-33

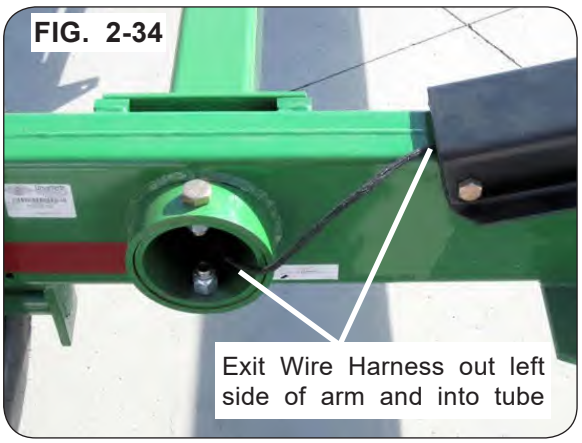


FIG. 2-34

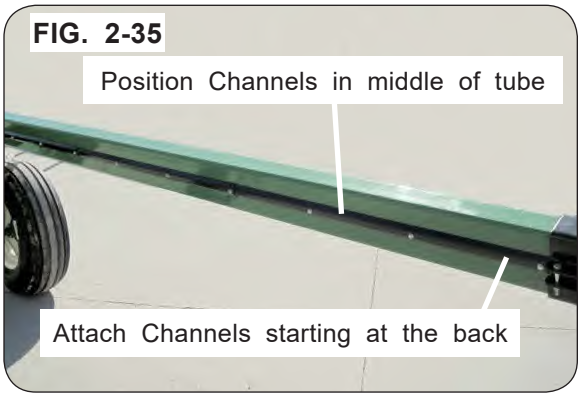
Light Bar Installation - Upper Bar Mounting Optional (continued)

10. Position upper bar in working position front to rear. Refer to Upper Bar Adjustment in "Operations & Adjustments" section of the HEADER TRANSPORT manual. Starting at the back, attach channels by either overlapping or leaving a space in between using self-drilling screws (9523). Center channels along middle of the tube from top to bottom as required by top bar location. See figure 2-35.

NOTE: The front most channel may need to be pushed back, overlapping more holes of channels if tube positioning interferes.

NOTE: Be careful to avoid damage to wires when installing self-drilling screws.

FIG. 2-35



Tongue

1. Cut cable tie holding spring in shipping position. Remove bottom 1/2” bolt in clevis weldment. Swing spring 180° towards the front of the unit, see figure 2-36. Replace 1/2” bolt removed so the spring will sit between the 1/2” bolt and 5/16” bolt in the clevis weldment. Tighten spring pivot bolt and bottom 1/2” bolt on clevis securely. Tighten 5/16” bolt to remove all free travel between the bolt and clevis. See figure 2-37.

NOTE: Be sure rear pivot bolt is tight.

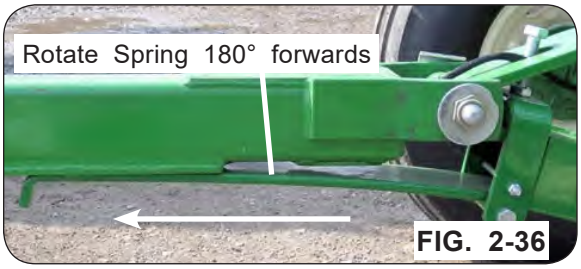


FIG. 2-36

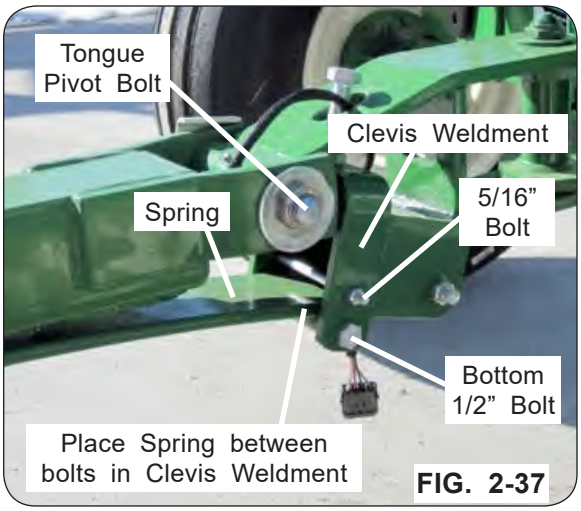


FIG. 2-37

2. Assemble tongue to the front axle frame using pivot pin, flat washer and locknut. See figure 2-38.

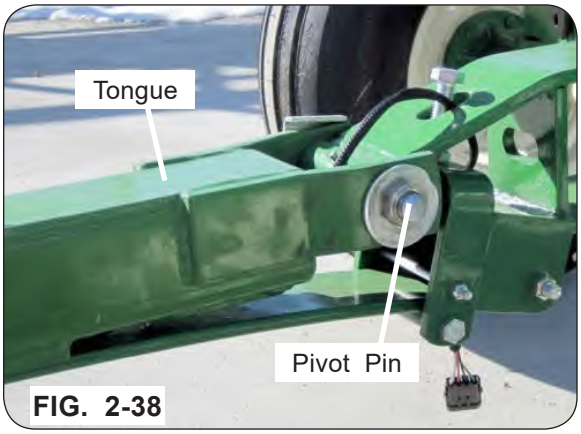


FIG. 2-38

Tongue (continued)

3. With tongue connected to frame, remove the tensioner bolt. Route tongue wire harness through hole where tensioner bolt was removed. With tongue wire harness through hole, replace tensioner bolt. See figure 2-39.

NOTE: When tightening tensioner bolt, lifting the tongue will reduce the effort required to tighten the bolt.

Refer to lift assist spring tension in "OPERATION" section of this manual.

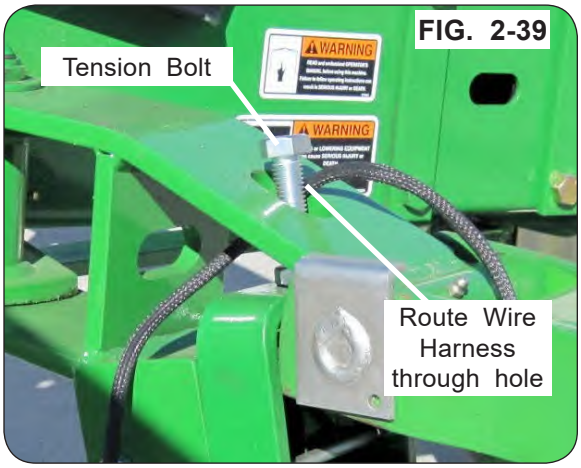


FIG. 2-39

4. Route the tongue wire harness through hole in plate of steering clevis, around the left-hand side of the steering pivot bushing and along the front side of the axle frame, see figure 2-40.

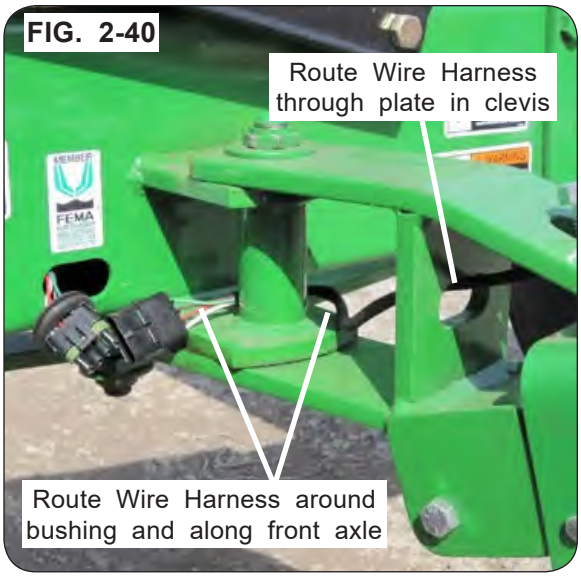


FIG. 2-40

5. Place rubber grommet over end of wire harness exiting front axle frame. Connect tongue wire harness to wire harness from frame. Secure rubber grommet to hole in frame to help protect wire harness. Place extra wire harness into hole of axle frame. See figure 2-41.

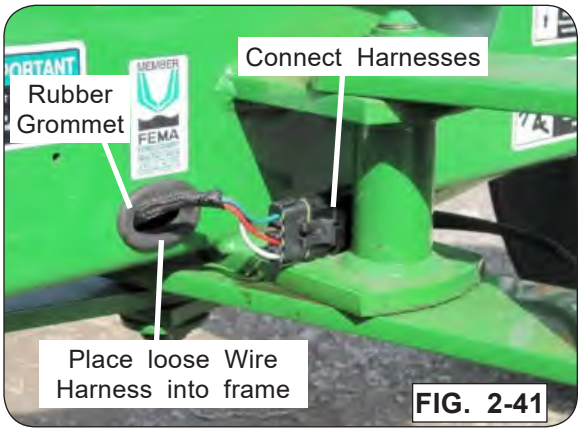


FIG. 2-41

Tongue (continued)

6. Make sure there is adequate wire to connect the harness to the tow vehicle. Use spring clip to help keep wire harness in place. See figure 2-43.

NOTE: There is one size wiring harness for all models of HEADER TRANSPORTS.

7. Attach HEADER TRANSPORT and wiring harness to tow vehicle and test the lights:

Check:

Tail Lights, Brake Lights, Left Turn Signal, Left Turn Signal with Brakes, Right Turn Signal, Right Turn Signal with Brakes

NOTE: If any check fails, check wiring harness on tow vehicle for proper wiring.

FIG. 2-42

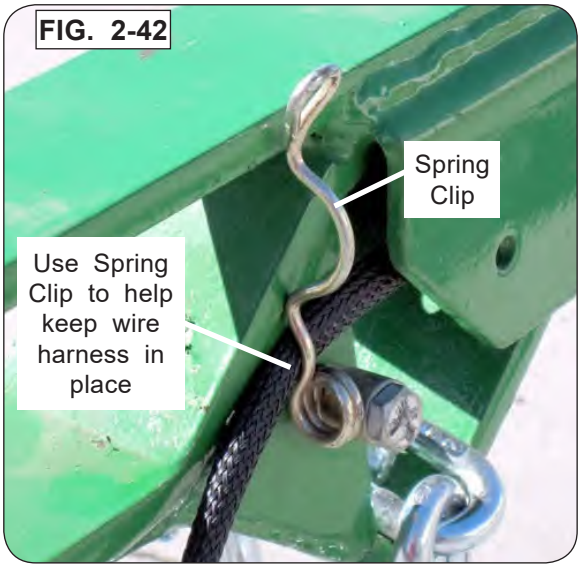
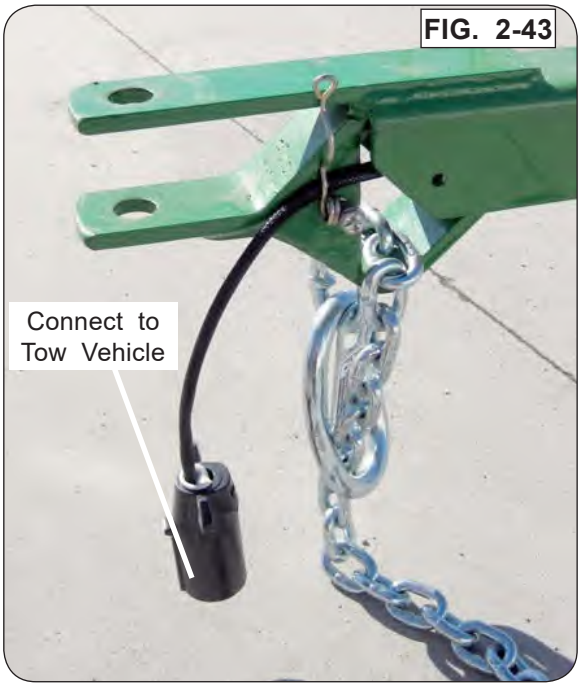


FIG. 2-43



Backstop #30849

Follow these steps to install backstop to riser bracket.

1. Place plate (30848B) on top of riser bracket.
2. Insert plow bolts (97296) through holes on plate (30848B) and riser bracket.
3. Secure with locknut (9801).

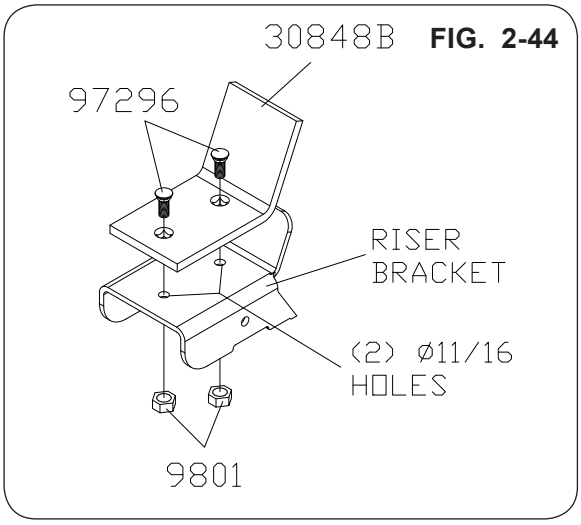


FIG. 2-44

FIG. 2-45

Riser Pad Kit #32688B — 12.5" Wide

For some header models, Package Part #32688B is used in place of the standard Riser Bracket on the Header Transport. Use the hardware from standard Riser Bracket for assembly.

NOTE: Hardware provided with Package Part #32688B is for packaging only. Not for assembly use.

1. Remove standard riser pads as they are not required with this kit.

NOTE: For most applications of Kit #32688B the standard riser pad can be pinned on the lower rest bracket, either toward or away from the combine provided they don't interfere with the head or combine.

2. Install riser pads as required for your particular application.
   - This may require test fit with the head to determine front to rear location of lower rest pad.

3. If the side plates on the upper rest pads are not required for your application, they can be unbolted and flipped over so they are pointing down for storage.

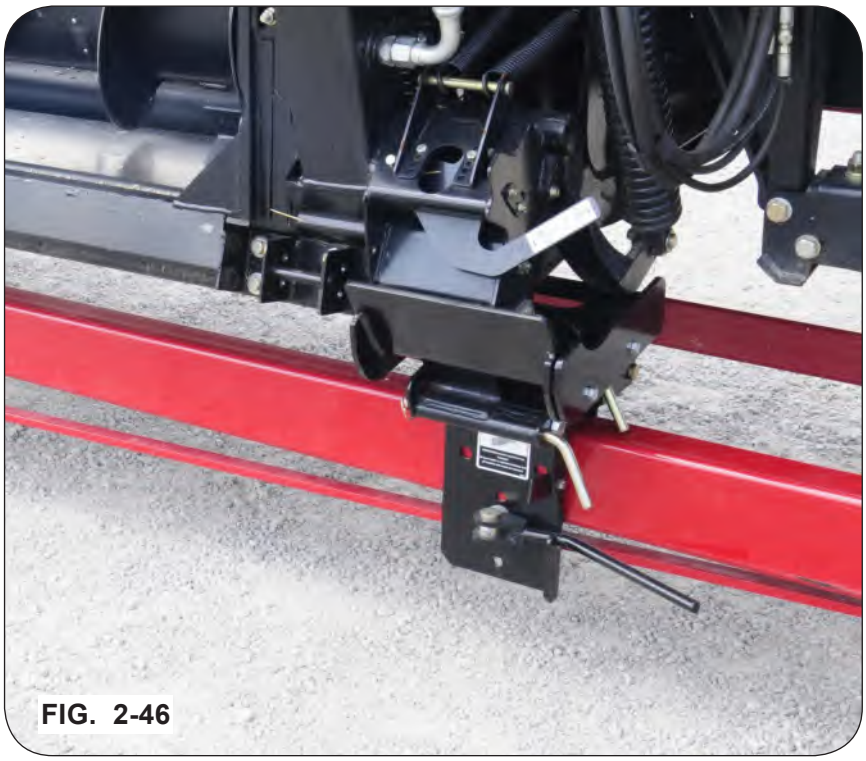


FIG. 2-46

Notes

SECTION III
Operation

General Operation Information

⚠ WARNING

- **READ AND UNDERSTAND SAFETY RULES BEFORE OPERATING OR SERVICING THIS MACHINE. REVIEW "SAFETY" SECTION IN THIS MANUAL IF NECESSARY.**

- **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 2500 LBS. SPECIFIC LOAD RATINGS FOR INDIVIDUAL LOADS WILL BE GIVEN AT THE APPROPRIATE TIME IN THE INSTRUCTIONS.**

- **FALLING OR LOWERING HEADER CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT ADJUST THE UNIT WHILE THE HEADER IS ABOVE OR ON THE TRANSPORT.**

Read this operation section thoroughly. Acquaint yourself with the adjustments required to obtain efficient and trouble-free operations.

Hitching

A. Position towing vehicle in front of header transport. Lift tongue latch handle and extend inner tongue extension enough to attach to vehicle drawbar using a 3/4" minimum diameter hitch pin and lock in place. Back-up towing vehicle to re-latch tongue.

NOTE: Before hitching the header transport to any vehicle drawbar, be sure that the pin hole is located close enough to the rear of the vehicle drawbar to allow the header transport tongue clevis to swing 90 degrees right or left of the centerline without interference.

⚠ CAUTION

- **BE SURE TRANSPORT TONGUE IS LATCHED BEFORE TRANSPORTING, OTHERWISE JARRING COULD OCCUR WHEN STOPPING UNIT, CAUSING A SUDDEN SHIFT OF LOAD.**

B. Install transport chain 97436 (as shown in Fig. 3-1).

⚠ CAUTION

- **ALWAYS USE TRANSPORT CHAINS WHEN TRANSPORTING IMPLEMENTS. FAILURE TO USE TRANSPORT CHAINS COULD CAUSE PERSONAL INJURY OR DAMAGE IF IMPLEMENTS BECOME DISENGAGED.**

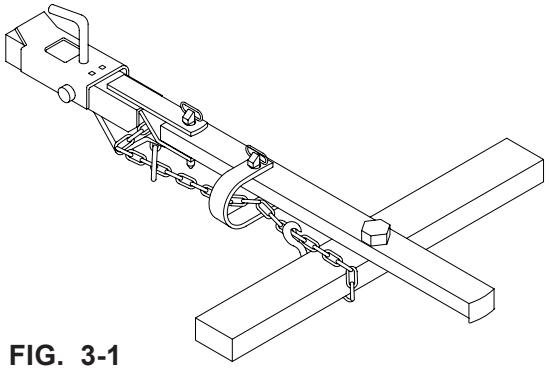


FIG. 3-1

NOTE: Transport chains should have a test strength equal to the gross weight of implement and head.

Hitching (continued)

C. CHECK THE FOLLOWING:
Tires/Wheels: Check tire pressures and maintain at recommended values listed in the MAINTENANCE section of this manual.

IMPORTANT

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

⚠ 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.**

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.

Initial Adjustments

Upper Rest Bar

Horizontal Adjustment

1. Firmly grip upper rest bar and remove hitch pin. Reposition bar to desired location and install hitch pin and hair pin (Fig. 3-2).

NOTE: Be sure bar is adjusted equally from side-to-side.

NOTE: Refer to www.umequip.com/header-transports/fieldrunner/ for current fitment photos.

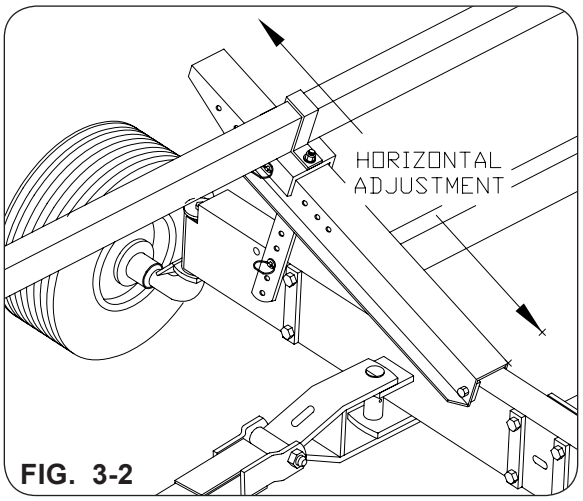


FIG. 3-2

Initial Adjustments (continued)

Vertical Adjustment

1. Raise upper rest tube with a safe lifting device.
2. Reposition upper rest tube and reinsert pin and lock into position (Fig. 3-4).

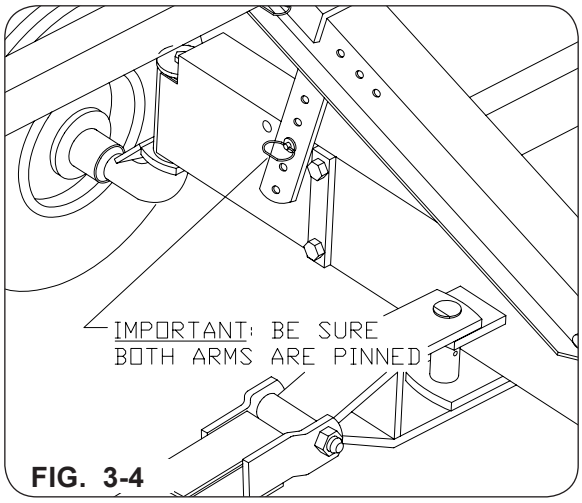


FIG. 3-4

Lateral Adjustment

1. Remove hex nuts, flat washers, and straps on both support arms so that the upper rest bar slides freely.

NOTE: For best performance and flexibility of the unit, it is recommended that no more than four feet (25' & 30' Units) and eight feet (36' & 42' Units) of the header be positioned over the front axle. This should assure proper tongue clearance.

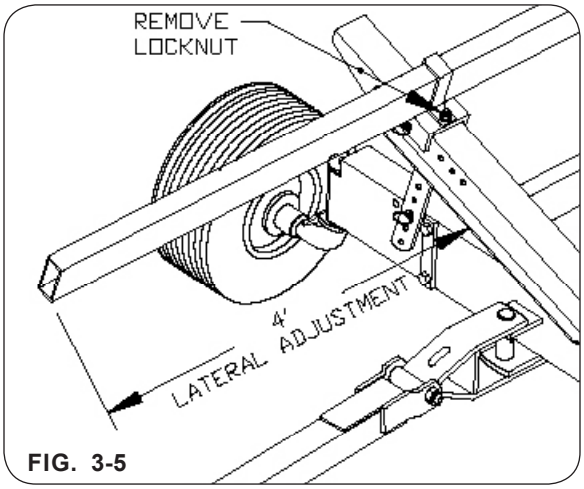


FIG. 3-5

Initial Adjustments (continued)

Lower Rest Bar — Model HT25 Only

For maximum clearance of headers which cannot be raised over 25 inches high refer to "OPERATION" section, "Lower Bar Adjustment".

Rest Brackets

Horizontal Adjustment

1. Flip handle latch plate up and lift handle out of the lock slot. Rotate (Fig. 3-6) the handle so it points towards the lower bar. One or two counter-clockwise revolutions of the handle may be necessary to easily position the rest bracket.

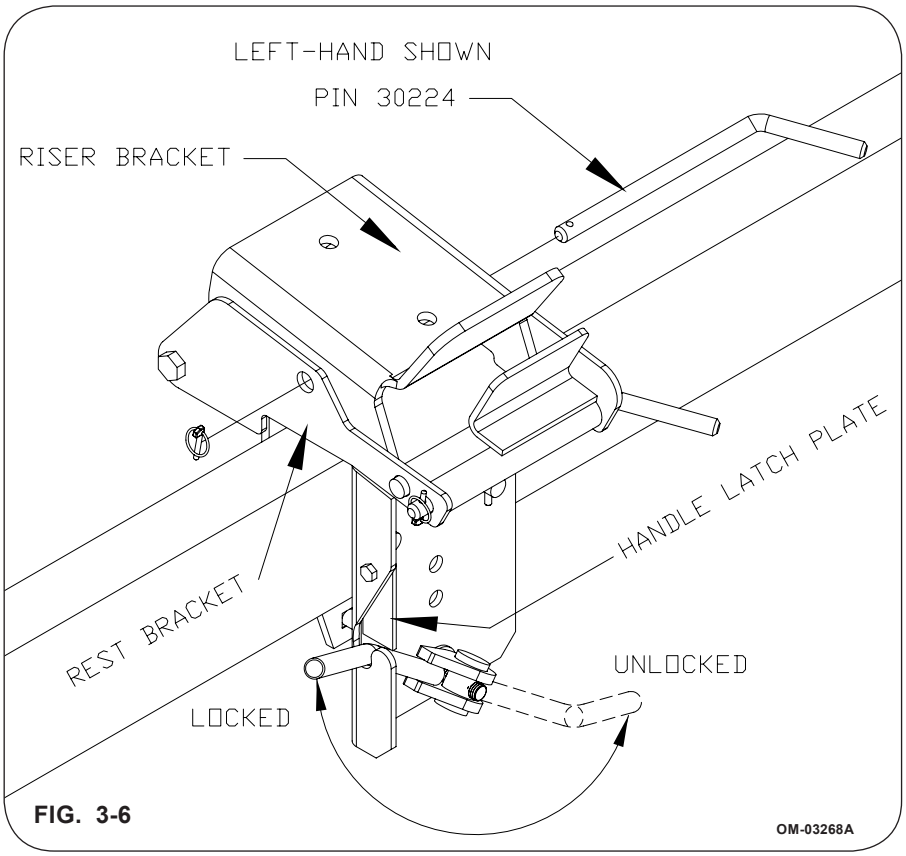


FIG. 3-6

2. Retighten and secure the handle in the lock slot by rotating the handle clockwise, and to the right so it points away from the lower bar. Flip the handle latch plate down. (It may be necessary to loosen the handle and rotate the bolt one-fourth turn (tight) to insure that the bracket will lock to the lower bar.) Re-lock the handle after adjusting.

NOTE: When positioning rest brackets near the front or rear axle, it may be necessary to exchange the brackets so that the handles face to the center of the unit. This will ensure proper access to rest bracket handles.

Initial Adjustments (continued)

Vertical Adjustment

1. There are 3 settings totaling 4 1/2 inches of vertical adjustment available on the rest bracket. The first setting allows the bracket to rest on its inner lip and secures with carriage bolt and latch in hole 1A, (Fig. 3-6A). The second setting allows the bracket to rest on (2) adjustment pins in (B) holes with carriage bolt and latch secured in hole 1B. The third setting being inserting pins in (C) holes with the carriage bolt and latch secured in holes 1C. Once bracket is in place, retighten and secure the handle in the lock slot and flip the handle latch plate down.

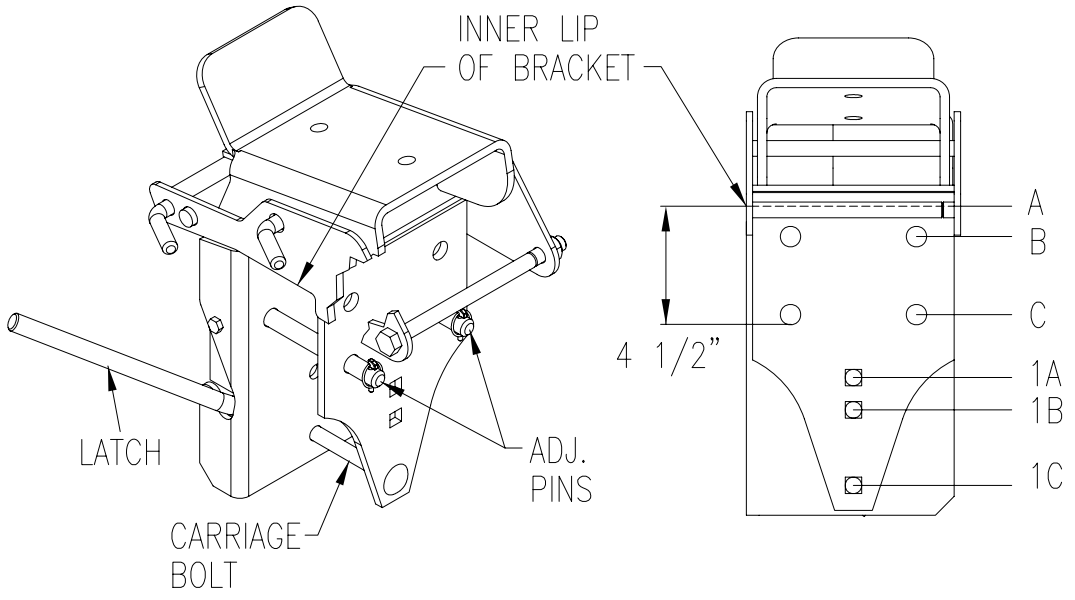


FIG. 3-6A

OM-04025

Initial Adjustments (continued)

Backstop #30849

If bolt-on backstop for rest brackets interferes with positioning of head on cart it can be removed. Refer to Backstop information in "SET UP" section for installing and removal.

FIG. 3-7

The rest bracket is designed with a flip-down back stop. On some Case IH grain platforms, it is necessary to flip the back stop down for adequate clearance.

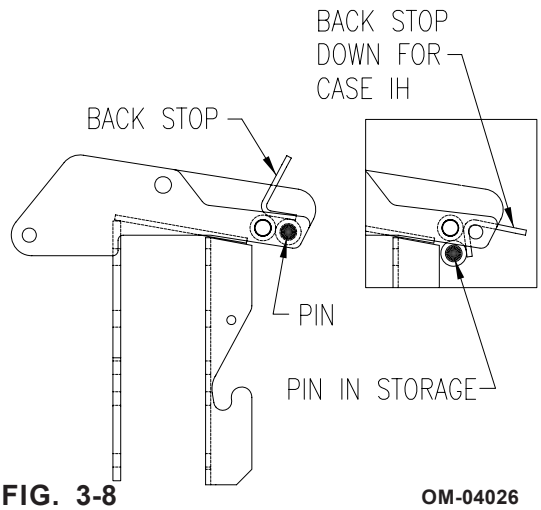


FIG. 3-8 OM-04026

Initial Adjustments (continued)

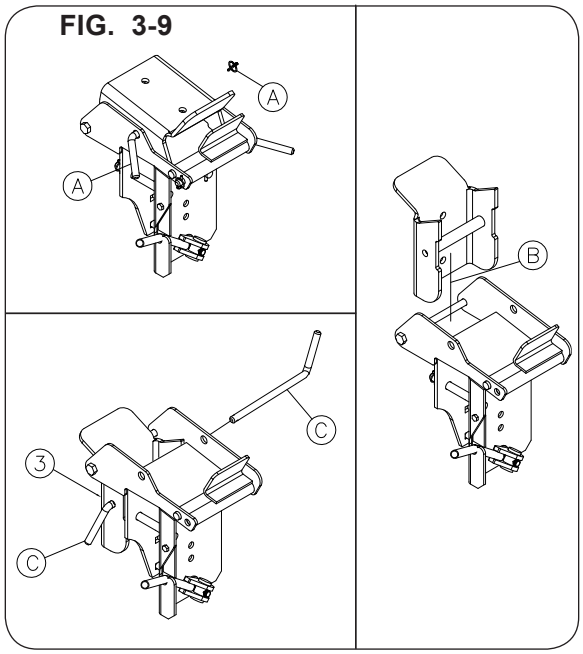
Riser Pads

1. The riser pad is used on most grain platforms or when the header main crossmember can not rest directly on the rest bracket. The riser pad is not used for most corn heads and the rest bracket is positioned under the feeder house frame (Fig. 3-9).
2. To put the riser pad in the rear storage position:
   A. Pull klik-pin and pin holding the riser pad onto the top of the rest bracket.

   B. Drop riser pad in between the bracket weldment and the 5/8" bolt.

   C. For most headers, re-insert pin and klik-pin through hole in riser pad. Some headers that rest feeder house supports inside the rest brackets can use the pin through the top hole of rest bracket and header foot to lock header in place. Other headers can use optional tie down package (30501).

FIG. 3-9



NOTE: Riser bracket back stop will be facing up.

3. To reinstall the riser pad, follow step 2 in reverse. To remove the riser pad, the pad bottom may have to be pushed towards the weldment. This is the lock feature to eliminate vibration (Fig. 3-9).

IMPORTANT

- *Installing the pin in the wrong position may cause damage to your header.*

Optional Riser (12.5" Wide Pad) Kit #32688B

The riser pad kit 32688B is used for applications requiring a wider bracket to accommodate larger header feet. If the feet are wider than 8", install riser pad kit as shown in Fig. 3-10.

IMPORTANT

- *Installing the pin in the wrong position may cause damage to your header.*

Lift Assist Spring Tension

The lift assist spring tension can be adjusted to lower the effort required to lift the tongue into position or it can be adjusted to hold the tongue at a convenient height. The amount of lift assist can be adjusted by turning the tensioner bolt, see figure 3-11.

Turn the bolt clockwise to increase the lift assist force.

Turn the bolt counter-clockwise to reduce the lift assist force.

NOTE: When tightening the tensioner bolt, manually lifting the tongue will reduce the effort required to turn the tensioner bolt.

NOTE: After adjusting tensioner bolt, always make sure to tighten jam nut to prevent bolt from loosening during use, see figure 3-12.

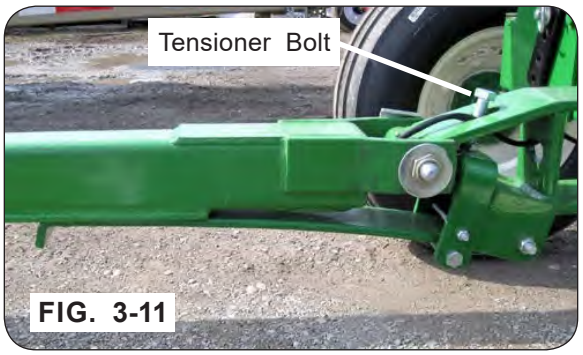


FIG. 3-11

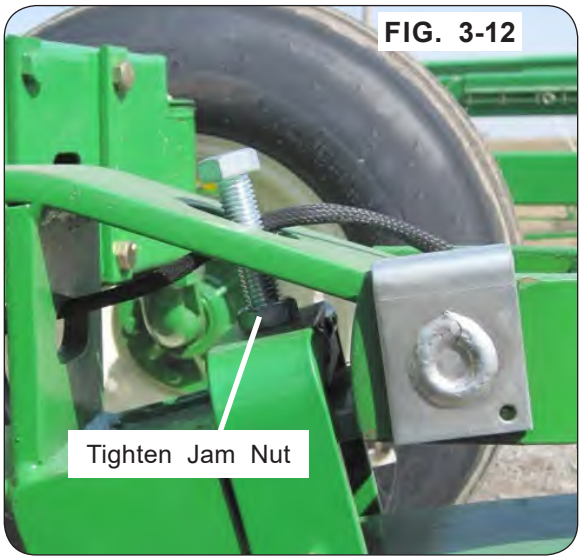


FIG. 3-12

Positioning Head On Transport

For current information on specific combine heads, go to www.umequip.com/header-transports/ field runner and click on the Fitments tab.

⚠ CAUTION

- **BE SURE TRANSPORT IS HOOKED TO TOWING VEHICLE OR THAT THE WHEELS ARE BLOCKED BEFORE POSITIONING HEADER ON TRANSPORT. THE ADDED WEIGHT COULD CAUSE UNIT TO ROLL IF PROPER STEPS ARE NOT TAKEN.**

IMPORTANT

- *Before placing header over transport, be sure header will clear rest brackets on lower rest bar. Adjust rest brackets, flip-down backstop, or reposition lower rest bar (refer to "SET UP" section) if necessary.*

NOTE: To allow sufficient tongue turning clearance on unit, position header on transport so that no more than four feet (of header) extends over the front axle.

Lower Bar Adjustment

1. Position header over transport so that lower rest tube of transport is directly below the shoe or frame tube of header. Remove header and make necessary adjustments vertically and horizontally to the lower rest brackets. It is recommended that the rest brackets be positioned under the header main support frame, cross frame tube, frame support stiffener, header support shoe as needed (refer to "Initial Adjustment" in "Operations & Adjustments" section).

⚠ WARNING

- **FALLING OR LOWERING THE HEADER CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT ADJUST THE UNIT WHILE THE HEADER IS ABOVE OR ON THE TRANSPORT.**

NOTE: For best support and stability of header, it is suggested that the rest brackets be positioned as far apart as possible (Fig. 3-15).

John Deere Grain Platform Position.

Positioning Head On Transport (continued)

Grain Platform

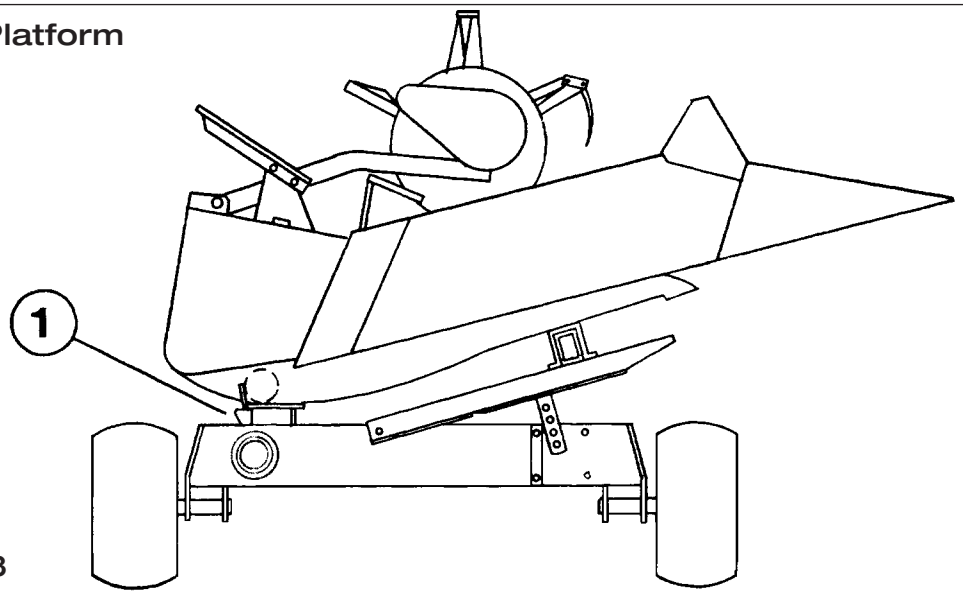


FIG. 3-13

OM-00550

CORN HEAD

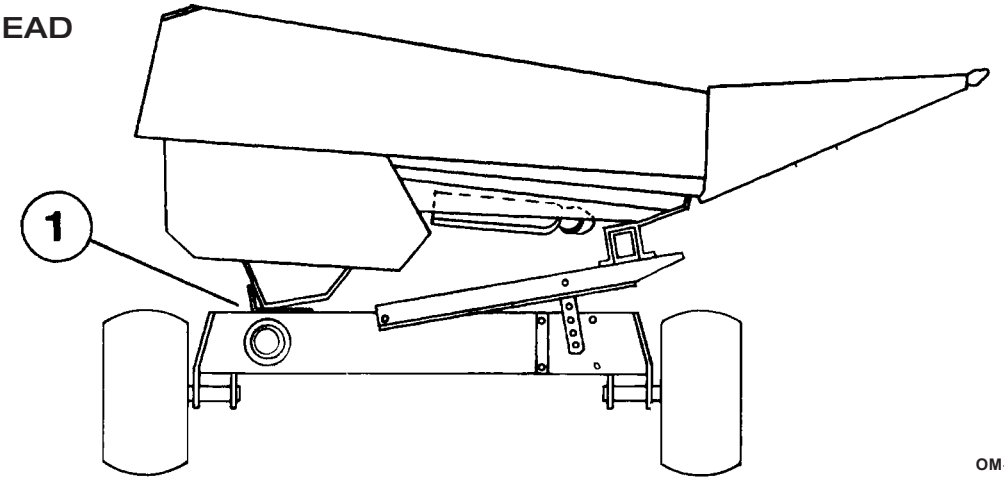


FIG. 3-14

OM-00552

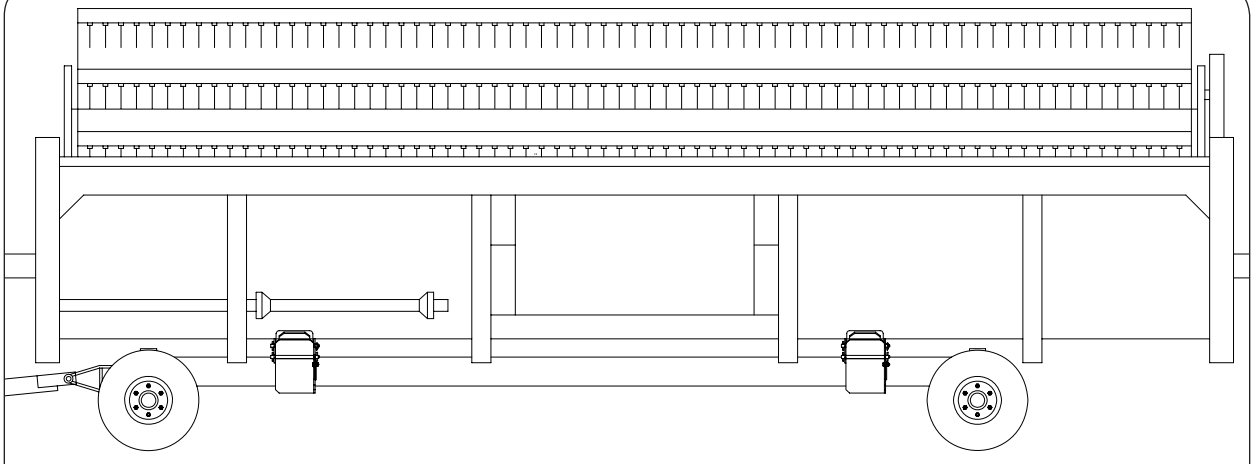


FIG. 3-15

OM-02174

Positioning Head On Transport (continued)

WARNING

- **FALLING OR LOWERING THE HEADER CAN CAUSE SERIOUS INJURY OR DEATH. DO NOT ADJUST THE UNIT WHILE THE HEADER IS ABOVE OR ON THE TRANSPORT.**

Upper Bar Adjustment

2. Place the header over the unit (Do Not Lower) and check for adjustments needed to position the upper rest bar so that it will support the skid plate (on grain platform, Fig. 3-16) or the gathering chain/stalk roller frame (on corn head, Fig. 3-17). Leave approximately three inches minimum between upper rest bar and header for varying contours of ground when positioning header onto transport (refer to "Initial Adjustment" in "Operations & Adjustments" section). Position upper rest bars under the skid plate of the grain platforms so the weight is evenly carried on the full length of the upper rest bar.

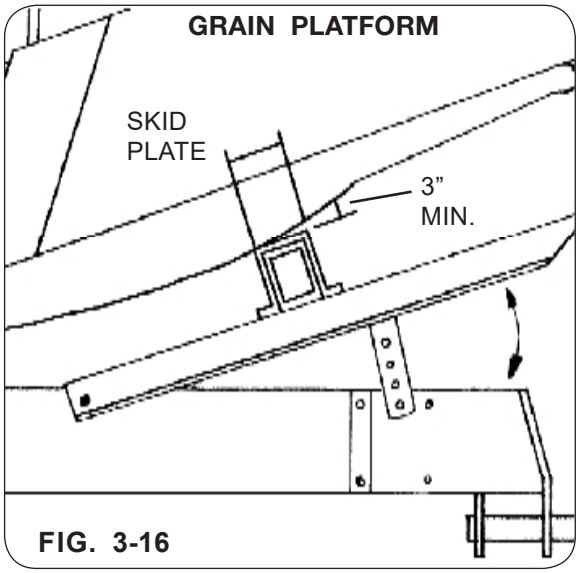


FIG. 3-16

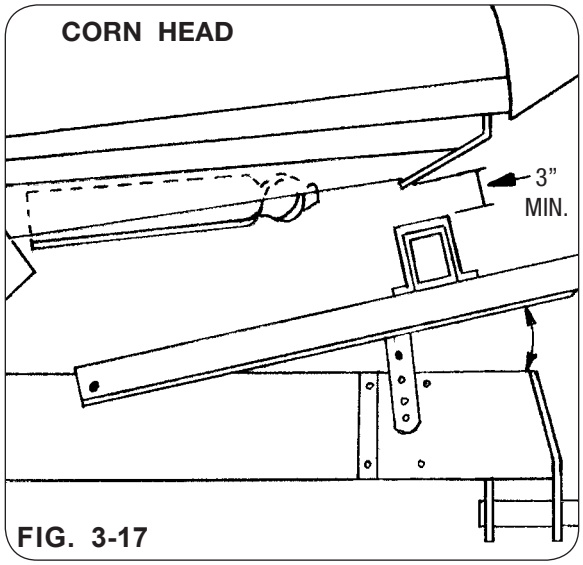


FIG. 3-17

Positioning Head On Transport (continued)

NOTE: Several attempts may have to be made for proper adjustment of transport.

3. Position header onto transport.


CORN HEAD SHOWN

FIG. 3-18


FIG. 3-19

GRAIN PLATFORM SHOWN


FIG. 3-20

DRAPER PLATFORM SHOWN

IMPORTANT

- *Refer to "Positioning Head On Transport", "Lights", "Before Transporting", "Tie-Downs" and "Grain Platform Knife Storage" in this section before transporting.*

Lights When Mounted to Rest Bar Optional

1. Adjust lights by removing wire harness from spring. Loosen four bolts holding light bar to light mounting arm.

2. Slide each section of light bar left or right as required. See ***"IMPORTANT"*** note below.

IMPORTANT

- *Lights MUST be within 1 ft. of the outer most point on head or cart.*

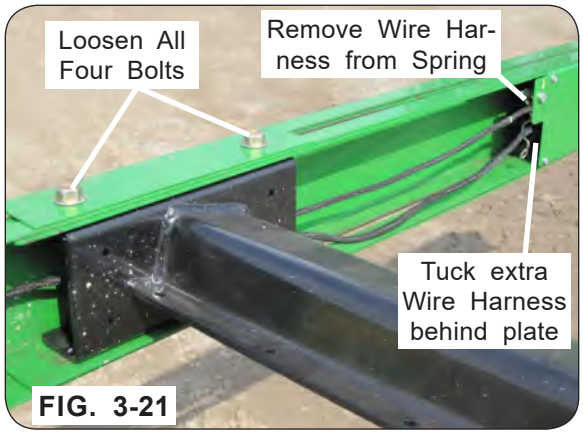


FIG. 3-21

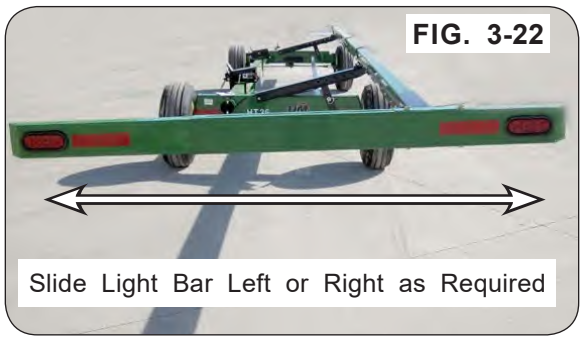


FIG. 3-22

3. Once in position, retighten bolts and place light wire harness back into spring. Tuck any extra light wire harness behind cover on light bar.

NOTE:

A) Make sure no wires are pinched or cut during installation.
B) Keep all wires concealed to prevent them from getting caught on obstructions.

Check function of lights before transporting on public roads. Replace reflectors as they become worn, torn, or faded.

Before Transporting

CHECK THE FOLLOWING:

A. TRANSPORT TONGUE SWING CLEARANCE

1. Check to make sure there is adequate swing clearance for the transport tongue (from side-to-side/up and down) to prevent damage when turning while moving over uneven ground.

NOTE: It may be necessary to move the header back on transport to obtain more tongue swing clearance. Approximately no more than 4' (25' & 30' Units) or 6' to 9' (36' & 42' Units) extending over front axle should be adequate for most units.

B. FRONT TIRE CLEARANCE

1. Check to make sure the front tires have adequate clearance to prevent damage when turning.

NOTE: It may be necessary to reposition header on transport to obtain more front tire turning clearance.

C. REAR TIRE CLEARANCE

1. Check to make sure the rear tires have adequate clearance to prevent damage while transporting.

   NOTE: It may be necessary to reposition the header on the transport.

2. Secure header with proper straps to prevent head from shifting while being transported (refer to "Tie-Down Operation").

⚠ 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.**

Tie-Down Package #30501

The tie down brackets consist of two heavy duty strap assemblies which secure current design headers to the transport. For proper installation follow steps as shown.

1. Loosen strap by pulling up ratchet handle and lock in open position (Fig. 3-25).

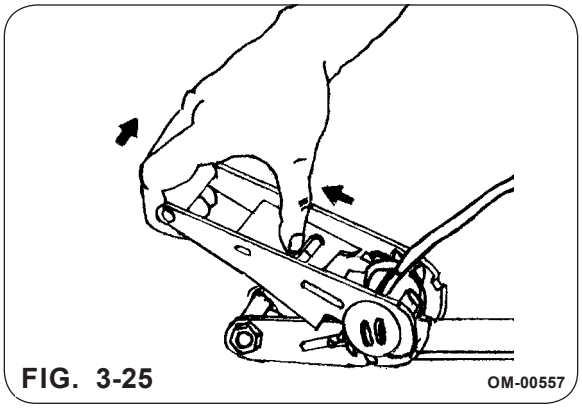


FIG. 3-25 OM-00557

⚠ CAUTION

- **BE SURE RATCHETS, WEBBINGS, AND HOOKS ARE IN PROPER WORKING CONDITION SO THAT DAMAGE DOES NOT OCCUR DUE TO LOSS OF HEADER FROM TRANSPORT.**

NOTE: Before tightening be sure header is resting against backstops on lower rest brackets.

NOTE: Be sure tie down bracket assemblies are secured to transport directly below the section on the header that the tie down hook is being attached to. DO NOT ATTACH BRACKET AND PULL STRAP AT AN ANGLE TO THE BRACKET TO SECURE. Doing so could result in unnecessary wear to tie down webbing.

2. Slide tie down bracket across lower rest tube and secure in appropriate location under header by inserting carriage bolt, flat washer, and knob. Tighten into position by turning knob clockwise.

NOTE: It is recommended that the tie downs be secured to a main bar or sufficient bar/tube that is rigid enough to support total weight of header. Failure to do so could result in section of header breaking off and header becoming unstable.

⚠ CAUTION

- **BE SURE ALL SHARP EDGES ARE REMOVED SO THAT WEBBING DOES NOT BECOME CUT OR FRAYED.**

Tie-Down Package #30501 (continued)

3. Attach tie strap hook through any mainframe hole on header as shown in figures 3-26 through 3-32. Remove slack in strap, rotate ratchet handle until webbing is TIGHTLY DRAWN and header is held to transport.

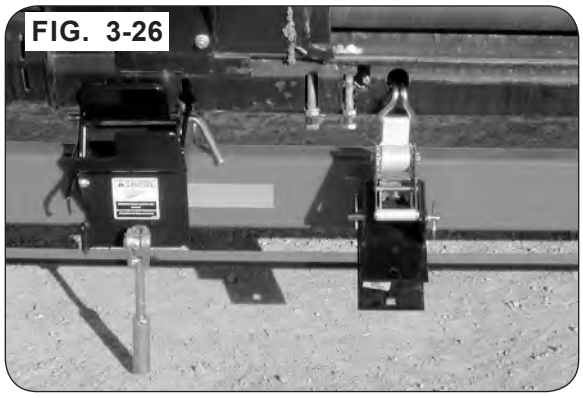


FIG. 3-26


FIG. 3-27


FIG. 3-28


FIG. 3-29

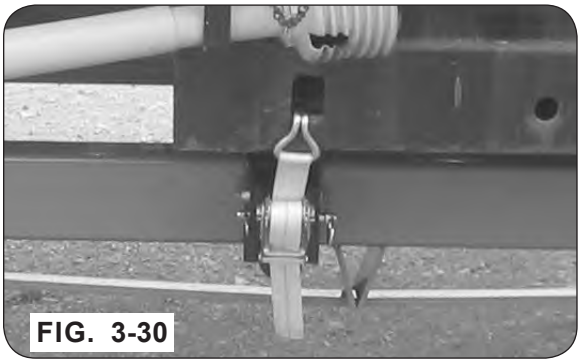


FIG. 3-30

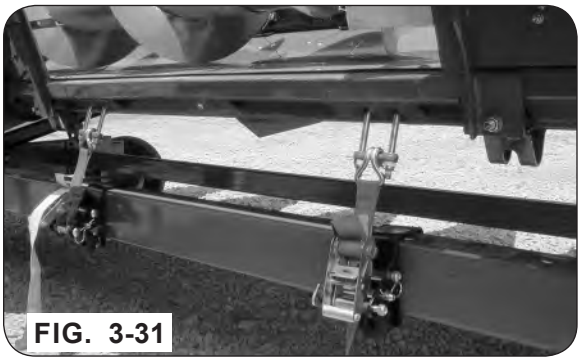
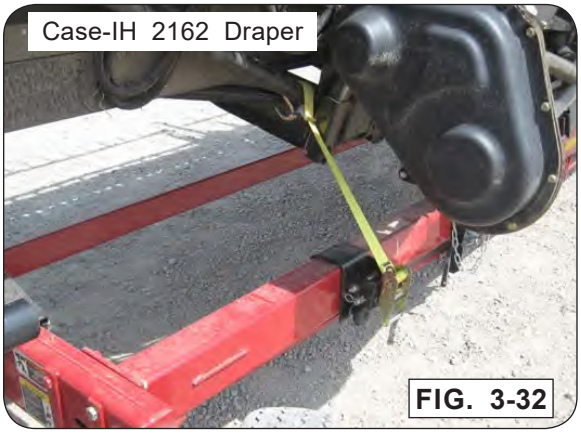


FIG. 3-31


Case-IH 2162 Draper
FIG. 3-32

NOTE: Refer to www.umequip.com/header-transports/fieldrunner/ for current fitment photos.

NOTE: Ideally, the straps should draw the combine head toward the rest bracket backstop. Do not attach the tie down hooks to the header at a point outboard of the rest bracket, as this could draw the head away from the rest bracket backstops, potentially causing the head to shift out of the rest pads during transport.

Tie-Down Package #30501 (continued)

⚠ CAUTION

- **AT LEAST TWO STRAPS MUST BE IN PLACE TO PROPERLY SECURE HEADER TO TRANSPORT.**

IMPORTANT

- *Use caution when transporting, be aware of transport width of unit when approaching obstacles along the road such as posts, signs, and poles. Check transport width of unit before entering bridges.*

- *Contact your combine header/platform dealer or manufacturer for specific tie-down locations to avoid damaging your equipment.*

Comply with all state and local laws governing highway safety and regulations when moving machinery on public roads.

⚠ WARNING

- **ALWAYS TRAVEL AT A SPEED WHICH PERMITS COMPLETE CONTROL OF IMPLEMENT.**

Grain Platform Knife Storage

An additional feature of the Unverferth HEADER TRANSPORT is a storage area for a spare cutter knife. To use this, simply remove the hitch pin (with clip) from the end of the upper support tube and insert knife into tube. To retain knife into position, reinsert hitch pin into hole in tube between blades of knife and reinstall clip (Fig. 3-33).

⚠ WARNING

- **CUTTER BAR CAN CUT. KEEP AWAY FROM SHARPENED EDGES.**

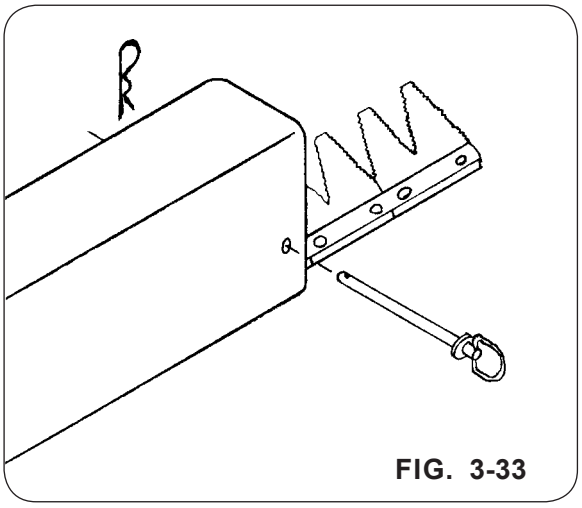


FIG. 3-33

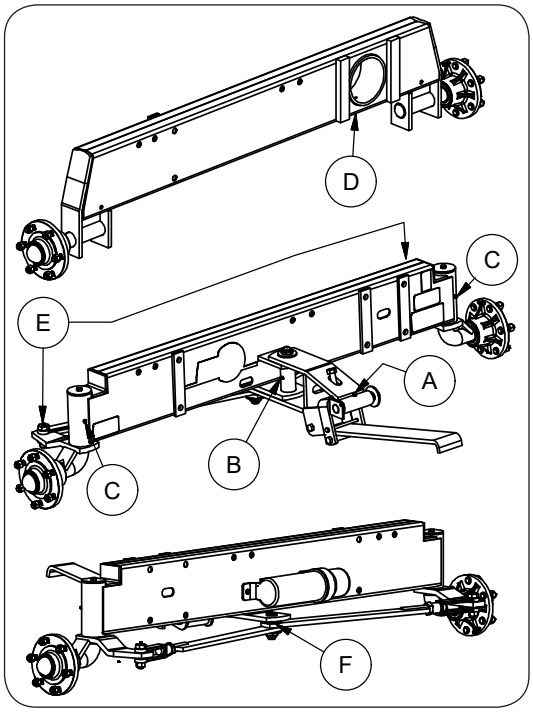
SECTION IV
Maintenance

General Maintenance Information

For running gear and bearing longevity, as well as ease of operation, periodic lubrication is essential. This also helps to flush out moisture and dirt. Lubricate with an SAE multi-purpose grease.

Primary Lube Points Lube Cycle

A. Tongue Hitch Pin (End of Steering Hinge)
   - 1 Point, Grease, Once/Year
B. Steering Hinge Pin (Front of Front Frame)
   - 1 Point, Grease, Once/Year
C. Spindle Bearings (Both Ends of Front Axle)
   - 2 Points, Grease, Once/Year
D. Swivel Trunnion (Rear End of Rear Axle)
   - 1 Point, Grease, Once/Year
E. Shoulder Bolts (Both Ends of Front Axle)
   - 2 Points, Grease, Once/Year
F. Steering Hinge Rear Pin (Tie Rod Connection)
   - 1 Point, Anti-Seize Lubricant, Every 2 Years



Tie rod center pivot pin lube procedure:

1. On each tie rod, remove locknut from shoulder bolt connecting tie rod clevis to spindle arm.
2. Thread shoulder bolt out of tie rod clevis.
3. Remove 7/8” locknut from steering clevis, remove both tie rods. If necessary to remove tie rods, gently tap down on tie rod near steering clevis while rotating back and forth.
4. Once removed, apply Anti-Seize Lubricant to 7/8” diameter pin on rear of steering clevis, as well as inside of both tie rod 7/8” holes.
5. Re-assemble parts removed in steps 1-3.

Miscellaneous Lube Points

Extension Part of Extendable Tongue Oil or Grease When Needed

Wheel Bearing - 8 Points Repack Grease Yearly

The wheel bearings should be cleaned, replaced, and adjusted once per season. Use a number 2 wheel bearing grease to repack the bearings and adjust the bearing to a free rolling fit with no end play.

IMPORTANT

- *For maximum bearing life, never tow the header transport in excess of 20 m.p.h.*

Periodically during usage, check the following:

1. Tongue pivot pin.
2. Tie rod connections at radius arm and at steering hinge.
3. Check all hardware for tightness
4. Tire pressure -- follow manufacturer's specification (too high or too low pressure causes abnormal tread wear).
5. Wheel lug nuts -- wheel torque requirements.

After each season:

1. Check welds on front and rear axles of the lower rest tube and brace tube.
2. Tie rods -- adjust to minimum 1/8" toe-in (1/8" to 1/4" toe measured at tires).
3. It is recommended for improved tire life that tires be rotated diagonally.

Storage

Your implement is an important investment. Spend a little time to protect it from destructive rust and corrosion. You will be repaid in longer service life and better performance.

Before placing the implement in storage:

1. Repaint any chipped or scraped areas.
2. Inspect for damaged or worn parts. Replace before next season.
3. Store implement inside, away from livestock.
4. Use blocking to keep implement tires off bare ground.

Wheels and Tires

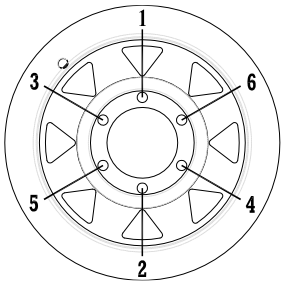
Wheel Nut Torque Requirements

⚠ 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
1/2-20 (UNF)	75 ft.-lbs.



6 BOLT

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 Seed Runner 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.

MODEL	TIRE SIZE & PRESSURE
HT-25 (Standard)	225/55B12 — 100 PSI
HT-30 (Standard)	
HT-36 (Standard)	
HT-25 (Option)	11L-15 F-Range — 90 PSI
HT-30 (Option)	
HT-36 (Option)	
HT-42 (Standard)	

(All tire pressures in PSI)

Wheels and Tires (continued)

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 or Goodyear	www.titan-intl.com Phone 800-USA-BEAR Fax 515-265-9301
Kenda /Americana Tire & Wheel	www.americanatire.com Phone 800-225-4714
Carlisle	www.carlisletire.com Phone 800-260-7959 Fax 800-352-0075
Greenball (Towmaster)	www.greenball.com Phone nearest location: California 800-937-5204 Georgia 800-283-4569 Florida 800-935-0200 Indiana 800-426-4068 Tennessee 800-946-9412 Ohio 800-840-7295 Pennsylvania 800-869-6787

Complete Torque Chart – Capscrews - Grade 5

IMPORTANT

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

SIZE	FOOT POUNDS	NEWTON METERS	SIZE	FOOT POUNDS	NEWTON METERS
1/4-20 1/4-28	8-10 9-11	11-13 12-15	3/4-10 3/4-16	200-220 210-230	270-300 285-310
5/16-18 5/16-24	15-17 17-19	20-23 23-26	7/8-9 7/8-14	330-350 360-380	425-475 460-515
3/8-16 3/8-24	25-28 28-31	34-38 38-42	1-8 1-14	500-525 540-560	675-710 730-760
7/16-14 7/16-20	40-45 45-50	54-61 61-68	1 1/8-7 1 1/8-12	600-635 665-700	815-860 920-950
1/2-13 1/2-20	62-68 68-75	84-92 92-102	1 1/4-7 1 1/4-12	850-895 940-990	1150-1215 1275-1340
9/16-12 9/16-18	90-98 100-110	22-133 134-148	1 3/8-6 1 3/8-12	1125-1175 1280-1335	1525-1590 1735-1810
5/8-11 5/8-18	120-135 124-137	162-183 168-186	1 1/2-6 1 1/2-12	1500-1560 1685-1755	2035-2115 2285-2380

Adjusting Front Wheel Toe-In

IMPORTANT

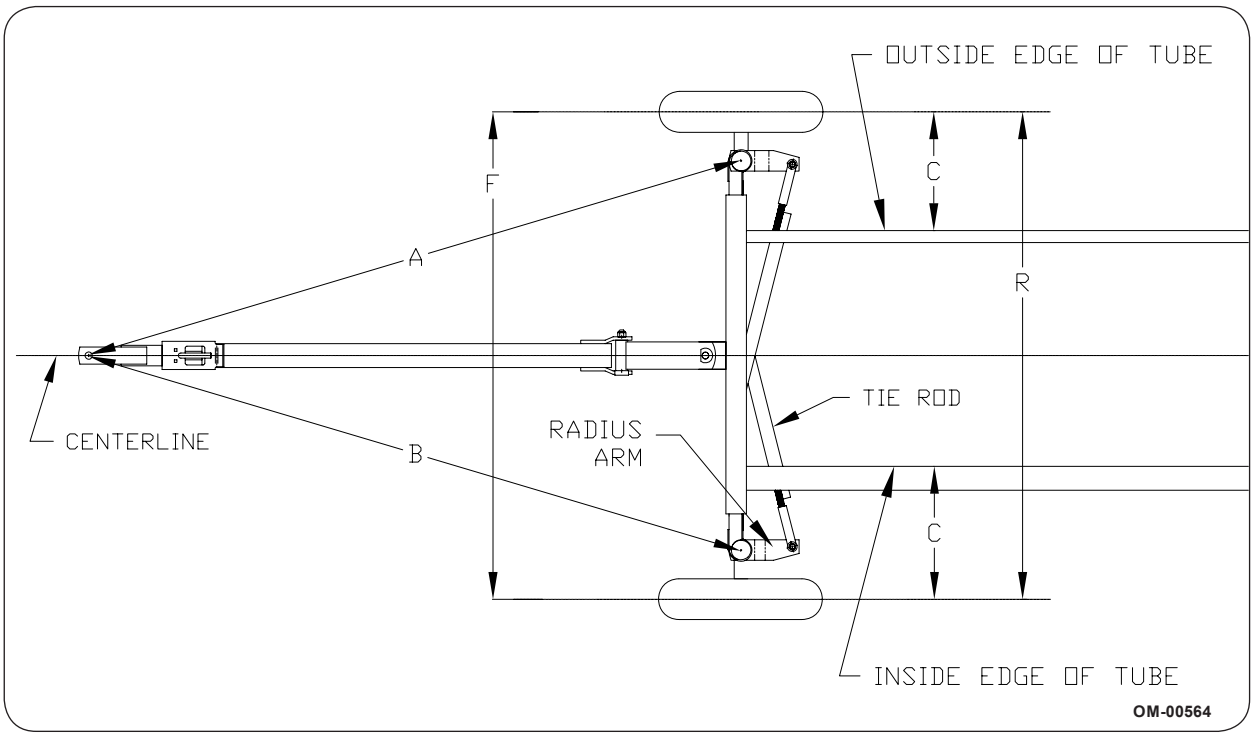
- *After first use, recheck toe-in. Front wheel toe-in has been preset at the factory. If adjustment becomes necessary, use the following procedure.*

1. **Place the tongue in a straight and horizontal position. This can be checked by measuring reference lines "A" and "B". These measurements are the same when the tongue is straight forward.**

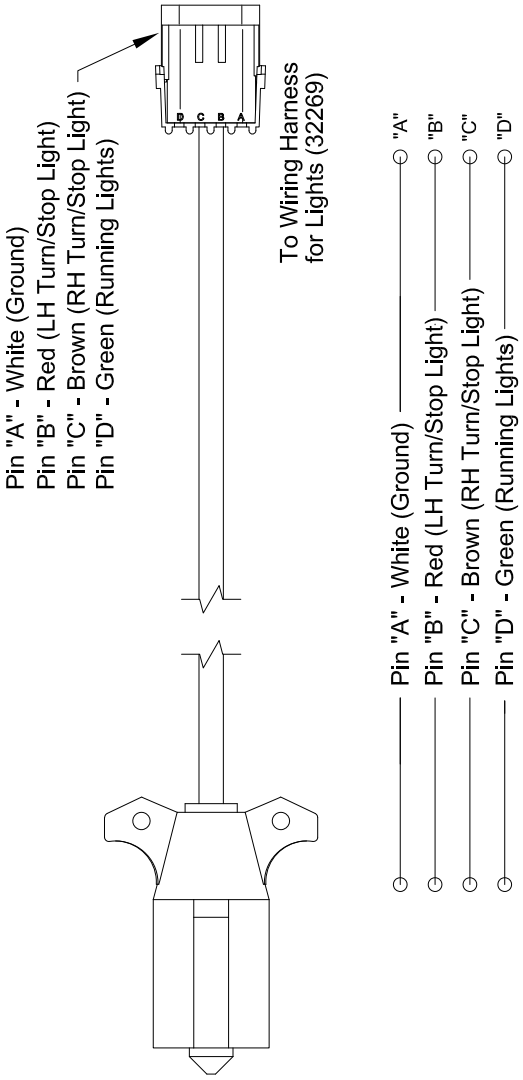
2. **Measure the distance between the front wheels at the centerline of the tires, Front (F) and Rear (R). Measurement "R" should be 1/8" to 1/4" longer than measurement "F" for proper toe-in.**

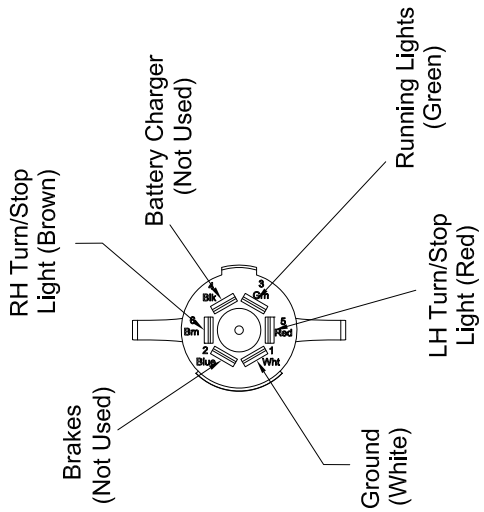
3. **If not, loosen locknut on tie rod and remove bolt at radius arm, adjust tie rod as needed. Reassemble bolt at radius arm and recheck dimensions. Tighten all hardware after proper adjustment.**

NOTE: Tie rods must be adjusted equally, so that dimension "C" is the same on both sides.

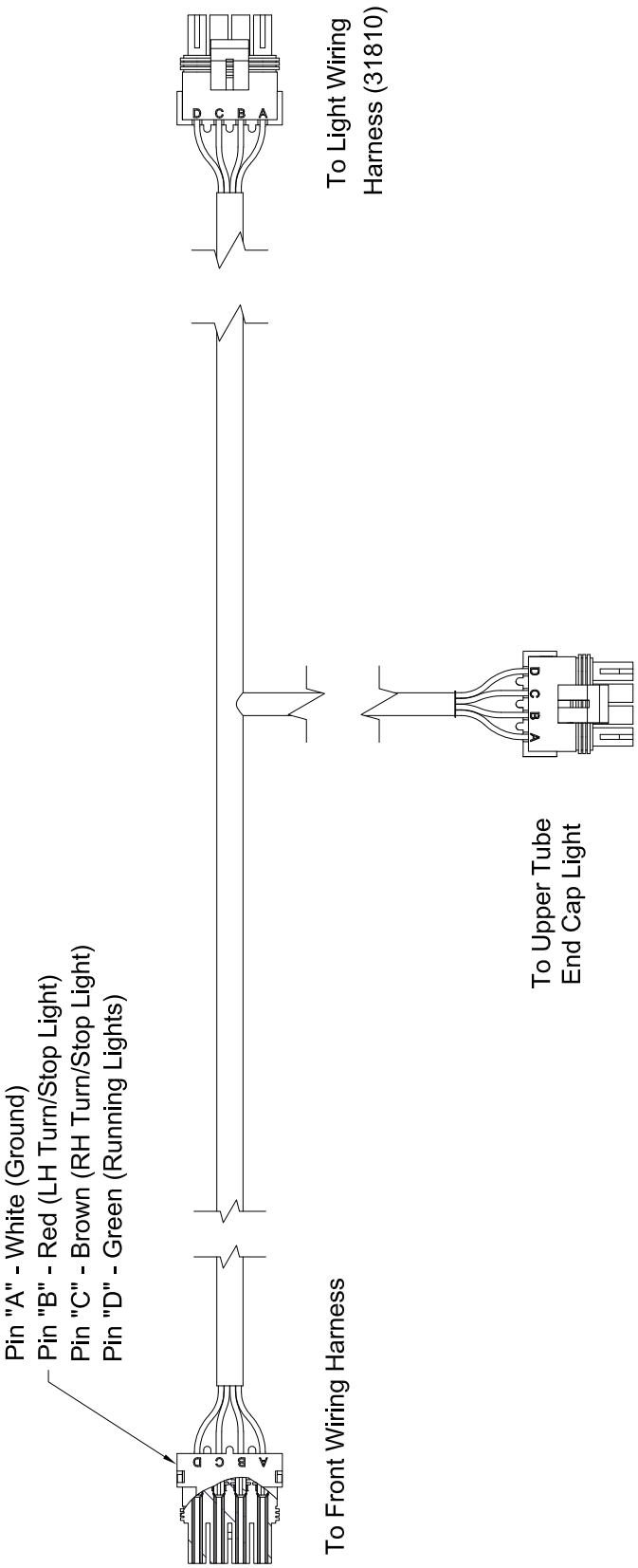


Front Harness for Non-Brakes Electrical Schematic (#902364)

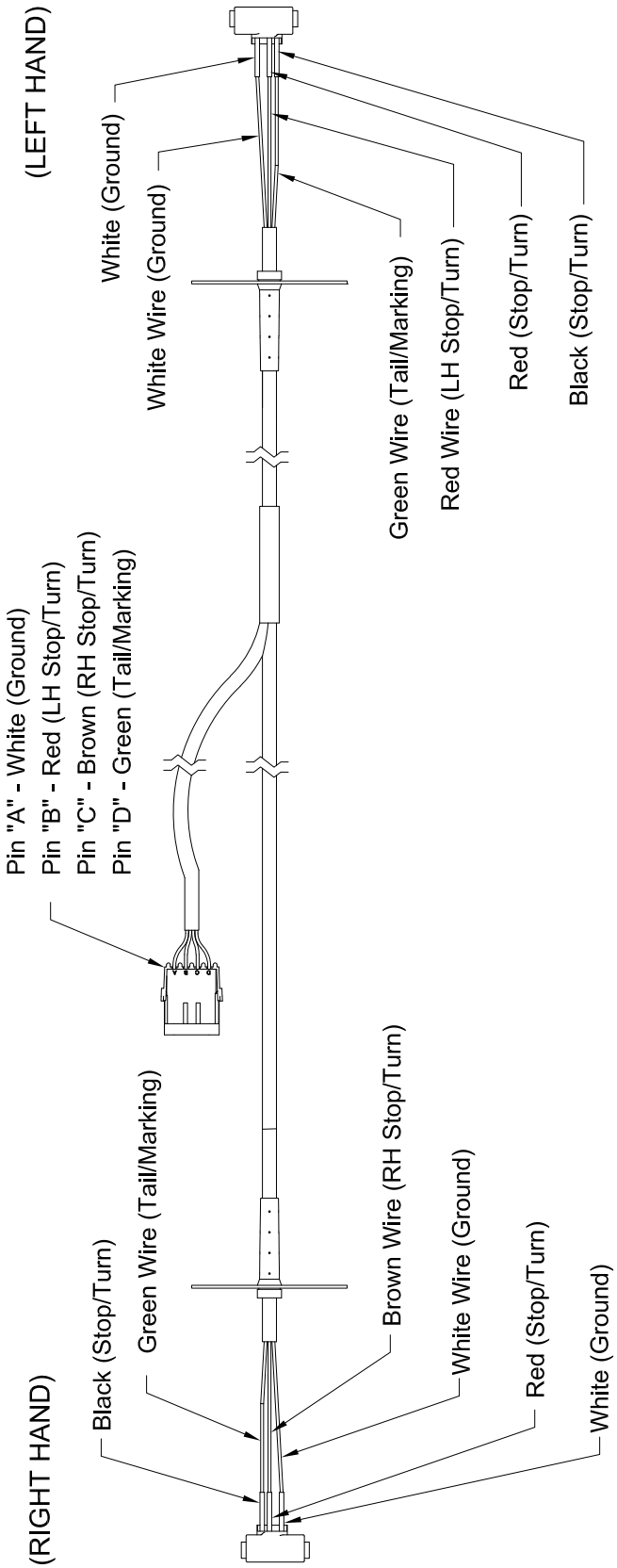




Light Harness Electrical Schematic (#32269)



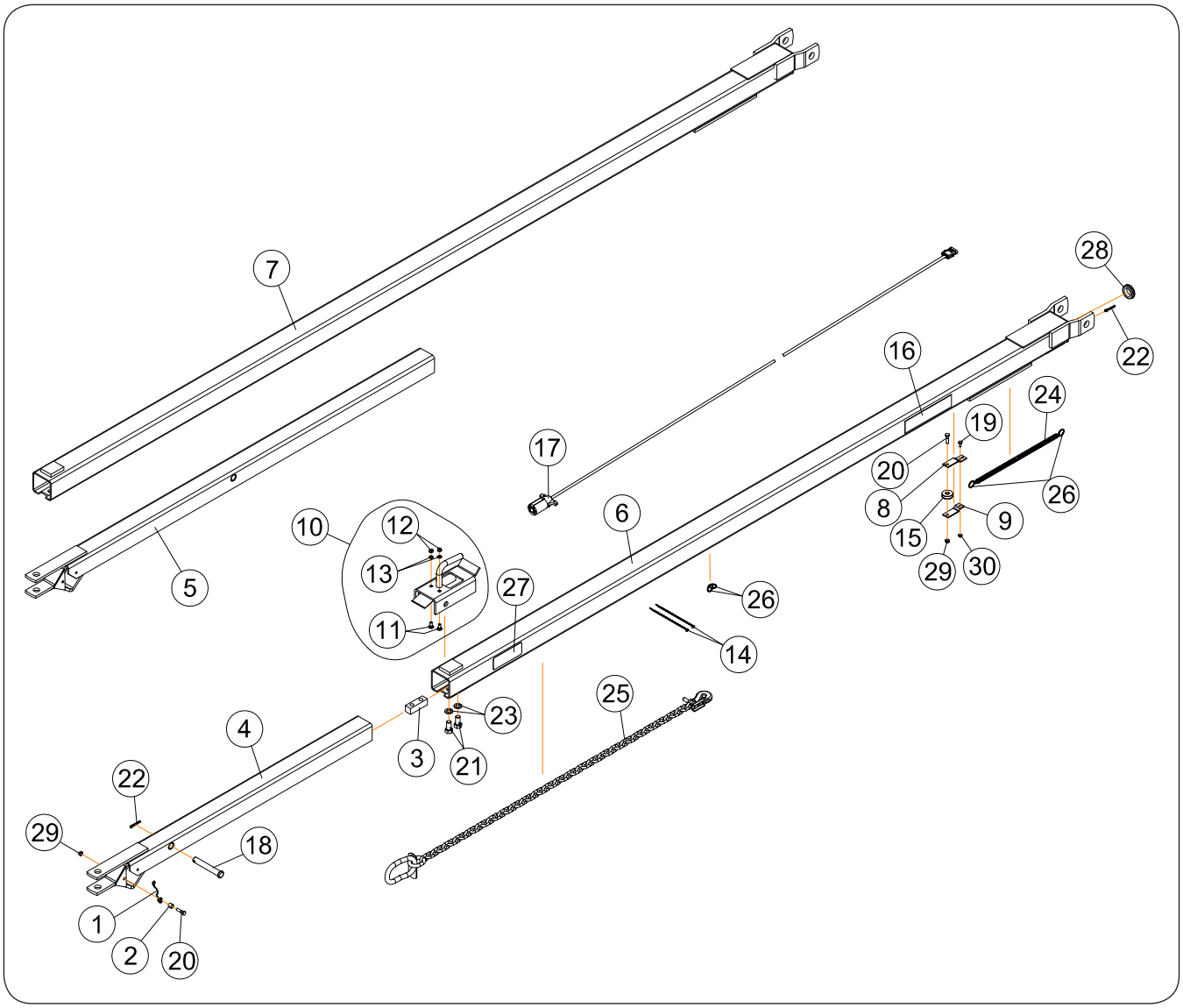
Rear Light Harness Electrical Schematic (#31810)



Notes

SECTION V
Parts

Tongue Components

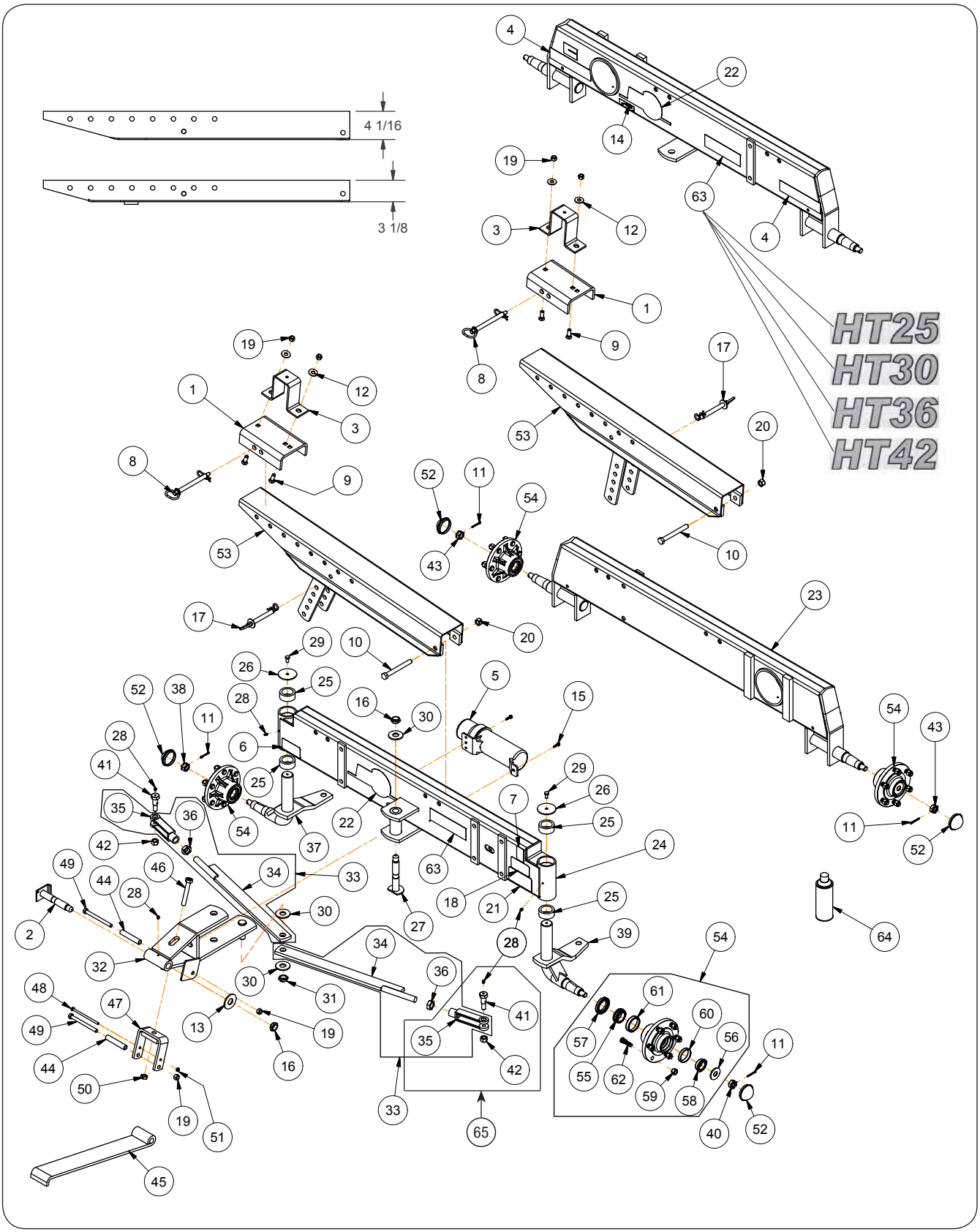


ITEM	PART NO.	DESCRIPTION	QTY.
	31785B	Extendible Tongue 12' Long Assembly Complete =Black=	1
	31785G	Extendible Tongue 12' Long Assembly Complete =Green=	
	31785R	Extendible Tongue 12' Long Assembly Complete =Red=	
	31788B	Extendible Tongue 16' Long Assembly Complete =Black=	
	31788G	Extendible Tongue 16' Long Assembly Complete =Green=	
	31788R	Extendible Tongue 16' Long Assembly Complete =Red=	
1	221069	Spring Harness Retainer	1
2	281372	Spacer Bushing	1
3	3015B	Stop Block =Black=	1

Tongue Components

ITEM	PART NO.	DESCRIPTION	QTY.
4	32275B	Inner Tongue Weldment 53" Long =Black=	1
	32275G	Inner Tongue Weldment 53" Long =Green=	
	32275R	Inner Tongue Weldment 53" Long =Red=	
5	31789B	Inner Tongue Weldment 77" Long =Black=	1
	31789G	Inner Tongue Weldment 77" Long =Green=	
	31789R	Inner Tongue Weldment 77" Long =Red=	
6	31791B	Outer Tongue Weldment =Black=	1
	31791G	Outer Tongue Weldment =Green=	
	31791R	Outer Tongue Weldment =Red=	
7	31792B	Outer Tongue Weldment =Black=	1
	31792G	Outer Tongue Weldment =Green=	
	31792R	Outer Tongue Weldment =Red=	
8	31831	Pulley Mount Strap, 3 11/16"	1
9	31835	Pulley Mount Strap, 3 7/32"	1
10	3529B	Tongue Latch Assembly =Black=	1
	3529G	Tongue Latch Assembly =Green=	
	3529R	Tongue Latch Assembly =Red=	
11	9388-024	Carriage Bolt, 5/16"-18UNC x 3/4" Gr. 5	1
12	9394-004	Hex Nut, 5/16"-18UNC Gr. 5	1
13	9404-019	Split Lock Washer, 5/16	1
14	9000106	Cable Tie, 6"	6
15	9002636	Pulley	1
16	9003127	Reflector 2 x 9 (Amber)	2
17	902364	Wiring Harness, 7-Way Connector	1
	900623	7-Way Connector ONLY	
18	9500274	Clevis Pin	1
19	9390-002	Capscrew, 1/4"-20UNC x 5/8" Gr. 5	1
20	9390-031	Capscrew, 5/16"-18UNC x 1 1/4" Gr. 5	2
21	9390-121	Capscrew, 5/8"-11UNC x 1 1/4" Gr. 5	2
22	9391-044	Cotter Pin	1
23	9404-029	Split Lock Washer, 5/8"	2
24	97225	Extension Spring	1
25	97436	Chain with Eye Hook	1
26	97489	Split Ring	2
27	97575	Decal, "Caution Do Not Tow"	1
28	97840	Rubber Grommet	1
29	9807	Locknut, 5/16"-18UNC Gr. 5	2
30	9936	Locknut, 1/4"-20UNC Gr. 5	1

Front and Rear Frame Components



Front and Rear Frame Components

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
	Front & Rear Frame Assembly with Decals =Black=	31838B	-	Includes Items 1 through 63
	Front & Rear Frame Assembly with Decals =Green=	31838G		
	Front & Rear Frame Assembly with Decals =Red=	31838R		
1	Support Arm Channel	30114	2	
2	Pivot Pin Weldment	30399	1	
3	Support Arm Bar Strap	3962	2	
4	Reflector (RED)	9003126	2	
5	Manual Holder	900552	1	
6	Decal, “Important”	91072	1	
7	Decal, “FEMA”	91605	1	
8	Hitch Pin with Hair Pin, 6”	92270	2	
9	Plow Bolt, 1/2”-13UNC x 1 1/2”	93561	4	
10	Capscrew, 5/8”-11UNC x 5 1/2”	9390-135	2	
11	Cotter Pin	9391-035	4	
12	Flat Washer, 1/2”	9405-088	4	
13	Flat Washer, 1”	9405-118	1	
14	Decal, “Grease”	94127	1	
15	Self-Drilling Screw, 1/4-14 x 1”	9512	2	
16	Thin Locknut 7/8”-14UNF	96976-036	1	
17	Hitch Pin with Hair Pin, 4 1/2”	97824	2	
18	Decal, “Warning Read”	97961	1	
19	Locknut, 1/2-13UNC	9800	6	
20	Locknut, 5/8-11UNC	9801	6	
21	Decal, “Warning/Falling”	98229	1	
22	Decal, “UM Oval”	901607	2	
23	Rear Axle Weldment w/Spindles =Black=	30135B	1	
	Rear Axle Weldment w/Spindles =Green=	30135G		
	Rear Axle Weldment w/Spindles =Red=	30135R		
	Straight Spindle	9167	2	
24	Front Axle Weldment =Black=	30156B	1	
	Front Axle Weldment =Green=	30156G		
	Front Axle Weldment =Red=	30156R		
25	Bushing	9159SP	2	
26	Washer, 2 7/8”	3040B	2	
27	Steering Pin Weldt =Black=	30402B	1	
28	Grease Zerk	91160	6	
29	Capscrew, 3/8”-16UNC x 3/4”	9390-053	2	
30	Flat Washer, 7/8”	9405-112	3	
31	Thin Locknut, 7/8”-9UNC	96976-034	1	

(Continued on next page)

Front and Rear Frame Components (continued)

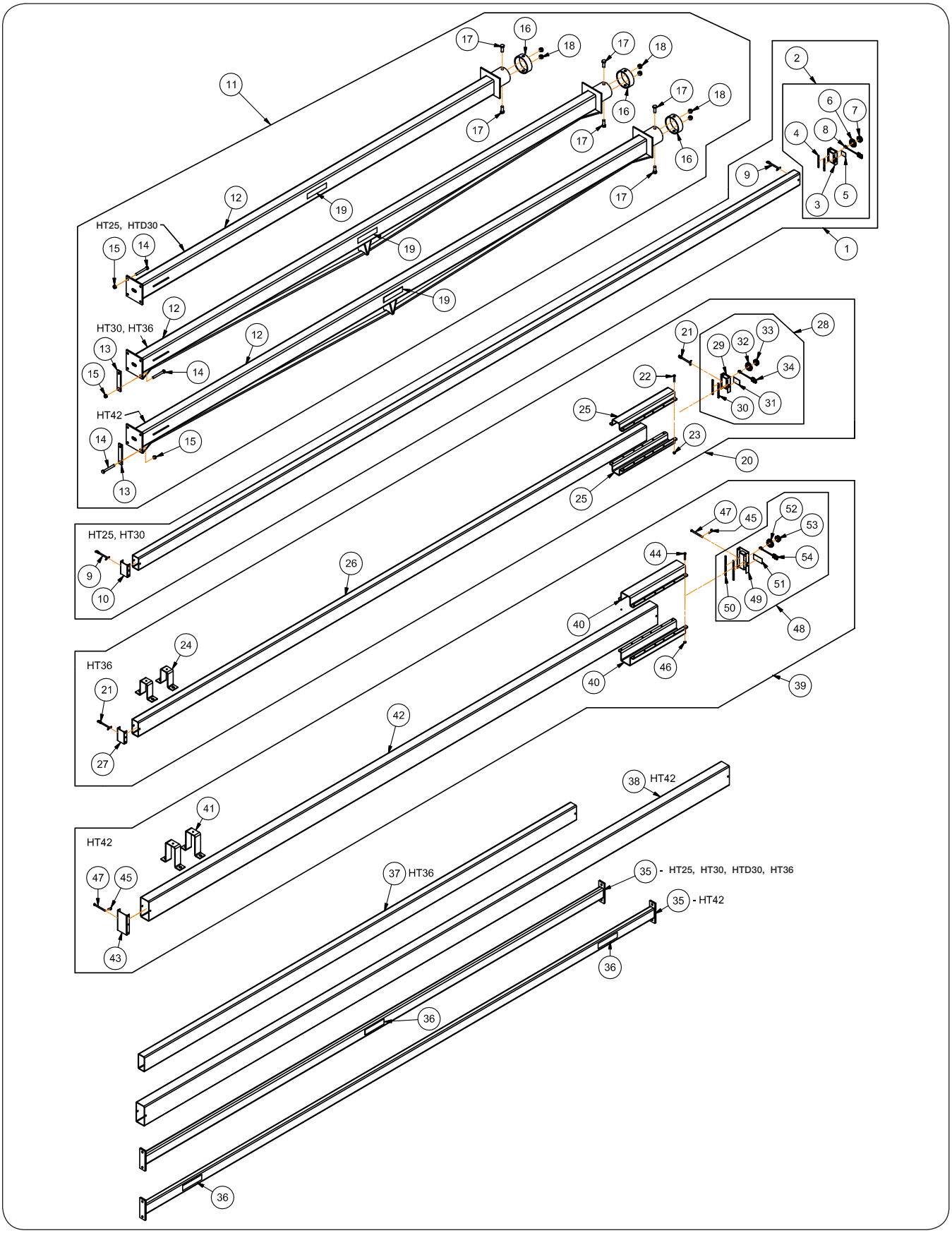
ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
32	Steering Hinge Kit =Black=	33240B	1	Prior To And After Serial Number A57240100-A64490099
	Steering Hinge Weldt =Green=	33240G		
	Steering Hinge Weldt =Red=	33240R		
	Steering Hinge Kit =Black=	33239B		Serial Number A57240100 through A64490099
	Steering Hinge Weldt =Green=	33239G		
	Steering Hinge Weldt =Red=	33239R		
33	Tie Rod Assembly =Black=	33396B	2	
	Tie Rod Assembly =Green=	33396G		
	Tie Rod Assembly =Red=	33396R		
	Bronze Bearing	9156		
34	Tie Rod Weldment =Black=	32515B	2	Starting with Serial Number A64490100 it includes Bronze Bearing (9156)
	Tie Rod Weldment =Green=	32515G		
	Tie Rod Weldment =Red=	32515R		
	Bronze Bearing	9156	-	
35	Yoke	32459B	2	
36	Hex Jam Nut 7/8”-14UNF	9395-017	2	
37	Bent Spindle, RH =Black=	32517B	1	
	Bent Spindle, RH =Green=	32517G		
	Bent Spindle, RH =Red=	32517R		
38	Slotted Nut, 3/4-16UNF	9393-016	1	
39	Bent Spindle, LH =Black=	32516B	1	
	Bent Spindle, LH =Green=	32516G		
	Bent Spindle, LH =Red=	32516R		
40	Slotted Nut, 3/4”-16UNF	9393-016	1	
41	Shoulder Bolt Less Zerk	32460	2	
42	Locknut 5/8”-11UNC	9801	2	
43	Slotted Nut, 3/4”-16UNF	9393-016	2	
44	Tube/Spacer	31975	2	
45	Formed Spring =Black=	31976B	1	
	Formed Spring =Green=	31976G		
	Formed Spring =Red=	31976R		
46	Capscrew, 5/8”-11UNC x 4”	902363	1	
47	Clevis Weldment =Black=	31978B	1	
	Clevis Weldment =Green=	31978G		
	Clevis Weldment =Red=	31978R		
48	Capscrew, 5/16”-18UNC x 5 1/2”	9390-045	1	
49	Capscrew, 1/2”-13UNC x 5 1/2”	9390-114	2	
50	Hex Jam Nut 5/8-11UNC	9395-014	1	
51	Locknut, 5/16”-18UNC	9807	1	
52	Hub Cap	9162	4	

(Continued on next page)

Front and Rear Frame Components (continued)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
53	Support Arm Weldment (Beginning with Serial #A57290100)	33263B	2	4 1/16" Tall
	Support Arm Weldment (Prior to Serial #A57290100)	30118		3 1/8" Tall
54	Hub Assembly =Black=	9768B	4	Includes items 52 & 55 - 62
55	Bearing Cone	9166	4	
56	Flat Washer, 13/16"	9234	4	
57	Hub Seal	9168	4	
58	Bearing Cone	9165	4	
59	Beveled Nut, 1/2"-20UNF	9348	24	
60	Bearing Cup	9345	4	
61	Bearing Cup	9346	4	
62	Stud Bolt, 1/2"-20UNF x 1 7/8"	9347	24	
63	Decal, "Model HT25"	92285	2	
	Decal, "Model HT30"	92286		
	Decal, "Model HT36"	99817		
	Decal, "Model HT42"	902315		
64	Touch-Up Paint =Black=	97013	-	
	Touch-Up Paint =Green=	97015		
	Touch-Up Paint =Red=	97301		
65	Tie Rod Yoke Repair Kit	32462B	-	Includes Items 28, 35, 41, & 42

Tube Components



Tube Components

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
1	Upper Tube Assembly (26') =Black=	106630B	1	HT25
	Upper Tube Assembly (26') =Green=	106630G		
	Upper Tube Assembly (26') =Red=	106630R		
	Upper Tube Assembly (31') =Black=	106629B		HT30
	Upper Tube Assembly (31') =Green=	106629G		
	Upper Tube Assembly (31') =Red=	106629R		
2	End Cap Assembly w/Light	32733B	1	HT25, HT30
3	End Cap Weldment	32734B	1	
4	Tape/Black Foam Rubber	900152	A/R	Specify in Feet
5	Flurescent Strip 2" x 9"	9003125	A/R	
6	Grommet Open Back	900956	1	
7	Light/Red LED	902218	1	
8	Wire Harness	9500410	1	
9	Hitch w/Hair Pin 3/8" Dia. x 4 3/8"	91168	2	
10	Cover Plate =Black=	106582B	1	
11	Support Swivel (168") =Black=	30153B	1	HT25, HTD30
	Support Swivel (168") =Green=	30153G		
	Support Swivel (168") =Red=	30153R		
	Support Swivel (216") =Black=	30154B		HT30, HT36
	Support Swivel (216") =Green=	30154G		
	Support Swivel (216") =Red=	30154R		
	Support Swivel (246") =Black=	31830B		HT42
	Support Swivel (246") =Green=	31830G		
	Support Swivel (246") =Red=	31830R		
12	Lower Support Tube (168") =Black=	30134B	1	HT25, HTD30
	Lower Support Tube (168") =Green=	30134G		
	Lower Support Tube (168") =Red=	30134R		
	Lower Support Tube with Truss (216") =Black=	30133B		HT30, HT36
	Lower Support Tube with Truss (216") =Green=	30133G		
	Lower Support Tube with Truss (216") =Red=	30133R		
	Lower Support Tube with Truss (246") =Black=	31774B		HT42
	Lower Support Tube with Truss (246") =Green=	31774G		
	Lower Support Tube with Truss (246") =Red=	31774R		
13	Strap Bar =Black=	3812B	1	(NOT 30153B/G/R) HT30,
	Strap Bar =Green=	3812G		
	Strap Bar =Red=	3812R		
14	Capscrew, 5/8"-11UNC x 5"	9390-134	4/2	
15	Locknut, 5/8"-11UNC Gr. 5	9801	4/2	
16	Collar =Black=	30123B	1	
	Collar =Green=	30123G		
	Collar =Red=	30123R		
17	Capscrew, 3/4"-10UNC x 2"	9390-145	2	
18	Elastic Stop Nut, 3/4"-10UNC	9398-021	2	
19	Reflector, 2"x9" (AMBER)	9003127	1	

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Tube Components (continued)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
20	Upper Tube Assembly (20') =Black=	30970B	1	HT36
	Upper Tube Assembly (20') =Green=	30970G		
	Upper Tube Assembly (20') =Red=	30970R		
21	Hitch Pin & Hair Pin, 3/8" Dia.	91168	2	
22	Capscrew, 3/8"-16UNC x 2 1/4"	9390-060	12	
23	Locknut, 3/8"-16UNC Gr. 5	9928	12	
24	Strap	30693B	2	
25	Upper Tube Coupling =Black=	30886B	2	
	Upper Tube Coupling =Green=	30886G		
	Upper Tube Coupling =Red=	30886R		
26	Upper Tube (239 7/8") =Black=	30888B	1	
	Upper Tube (239 7/8") =Green=	30888G		
	Upper Tube (239 7/8") =Red=	30888R		
27	Cover Plate	106582B	1	
28	End Cap Assembly w/Light	32738B	1	
29	End Cap Weldment	32737B	1	
30	Tape/Black Foam Rubber	900152	A/R	Specify in Feet
31	Fluorescent Strip 2" x 9"	9003125	A/R	
32	Grommet Open Back	900956	1	
33	Light/Red LED	902218	1	
34	Wire Harness	9500410	1	
35	Brace Tube (168") =Black=	3979B	1	HT25, HTD30
	Brace Tube (168") =Green=	3979G		
	Brace Tube (168") =Red=	3979R		
	Brace Tube (216") =Black=	3974B	1	HT30, HT36
	Brace Tube (216") =Green=	3974G		
	Brace Tube (216") =Red=	3974R		
	Brace Tube (242") =Black=	31777B	1	HT42
	Brace Tube (242") =Green=	31777G		
	Brace Tube (242") =Red=	31777R		
36	Reflector, 2x9 (AMBER)	9003127	1	
37	Upper Tube (203 7/8") =Black=	30925B	1	HT36
	Upper Tube (203 7/8") =Green=	30925G		
	Upper Tube (203 7/8") =Red=	30925R		
38	Upper Tube (276") =Black=	31728B		HT42
	Upper Tube (276") =Green=	31728G		
	Upper Tube (276") =Red=	31728R		

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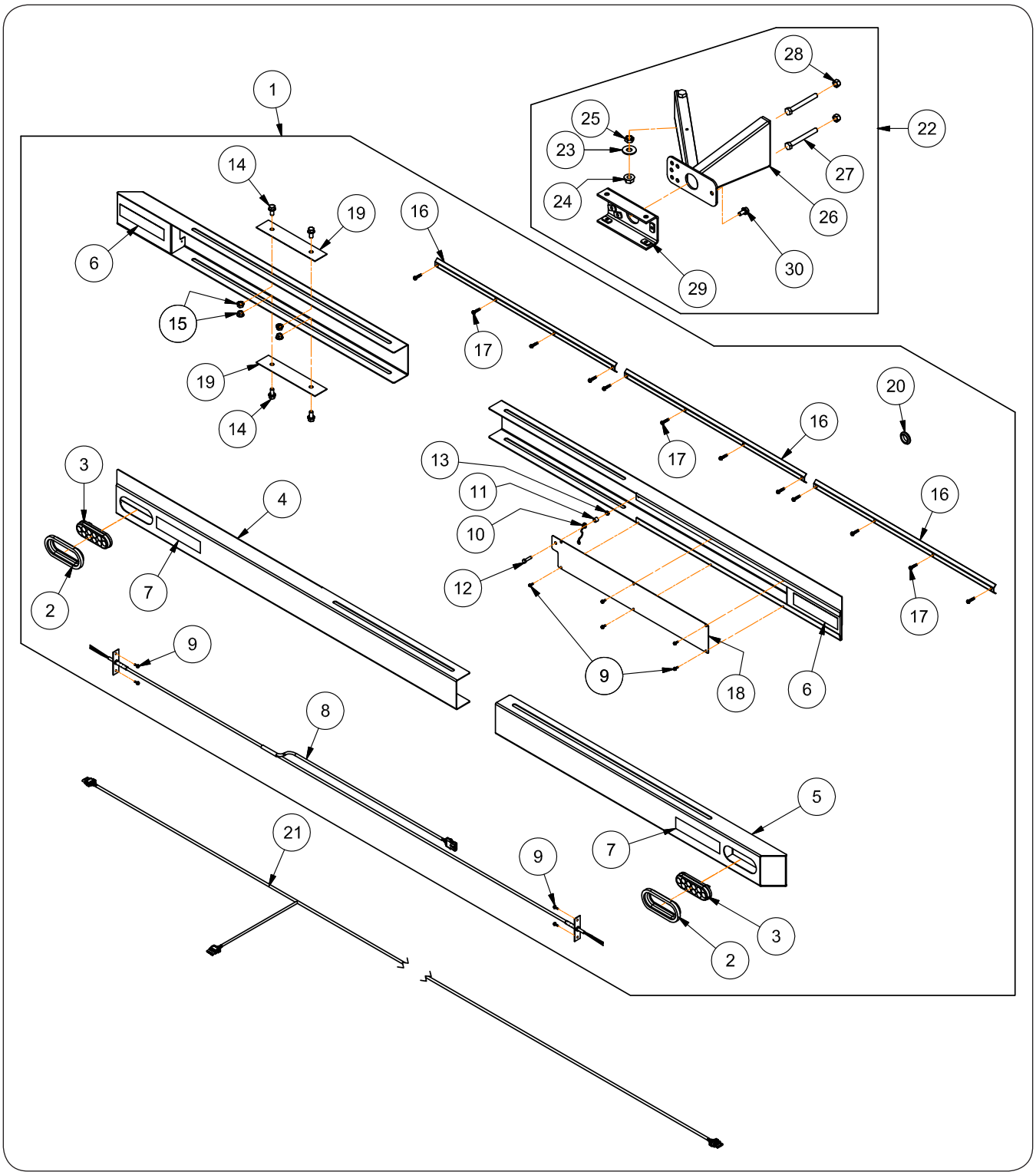
Tube Components (continued)

ITEM	DESCRIPTION	PART NO.	QTY.	NOTES
39	Upper Tube Assembly (20') =Black=	31892B	1	HT42
	Upper Tube Assembly (20') =Green=	31892G		
	Upper Tube Assembly (20') =Red=	31892R		
40	Coupler =Black=	31725B	2	
	Coupler =Green=	31725G		
	Coupler =Red=	31725R		
41	Strap, 4"x8"	31726B	2	
42	Tube (240") =Black=	31727B	1	
	Tube (240") =Green=	31727G		
	Tube (240") =Red=	31727R		
43	Cover Plate	31891B	1	
44	Capscrew, 3/8"-16UNC x 2 1/4"	9390-060	12	
45	Hairpin Cotter	9514	2	
46	Locknut, 3/8"-16UNC Gr. 5	9928	12	
47	Clevis Pin, 3/8"D x 5"	TA8F93	2	
48	End Cap Assembly w/Light	32742B	1	
49	End Cap Weldment	32741B	1	
50	Tape/Black Foam Rubber	900152	A/R	Specify in Feet
51	Fluorescent Strip 2" x 9"	9003125	A/R	
52	Grommet Open Back	900956	1	
53	Light/Red LED	902218	1	
54	Wire Harness	9500410	1	

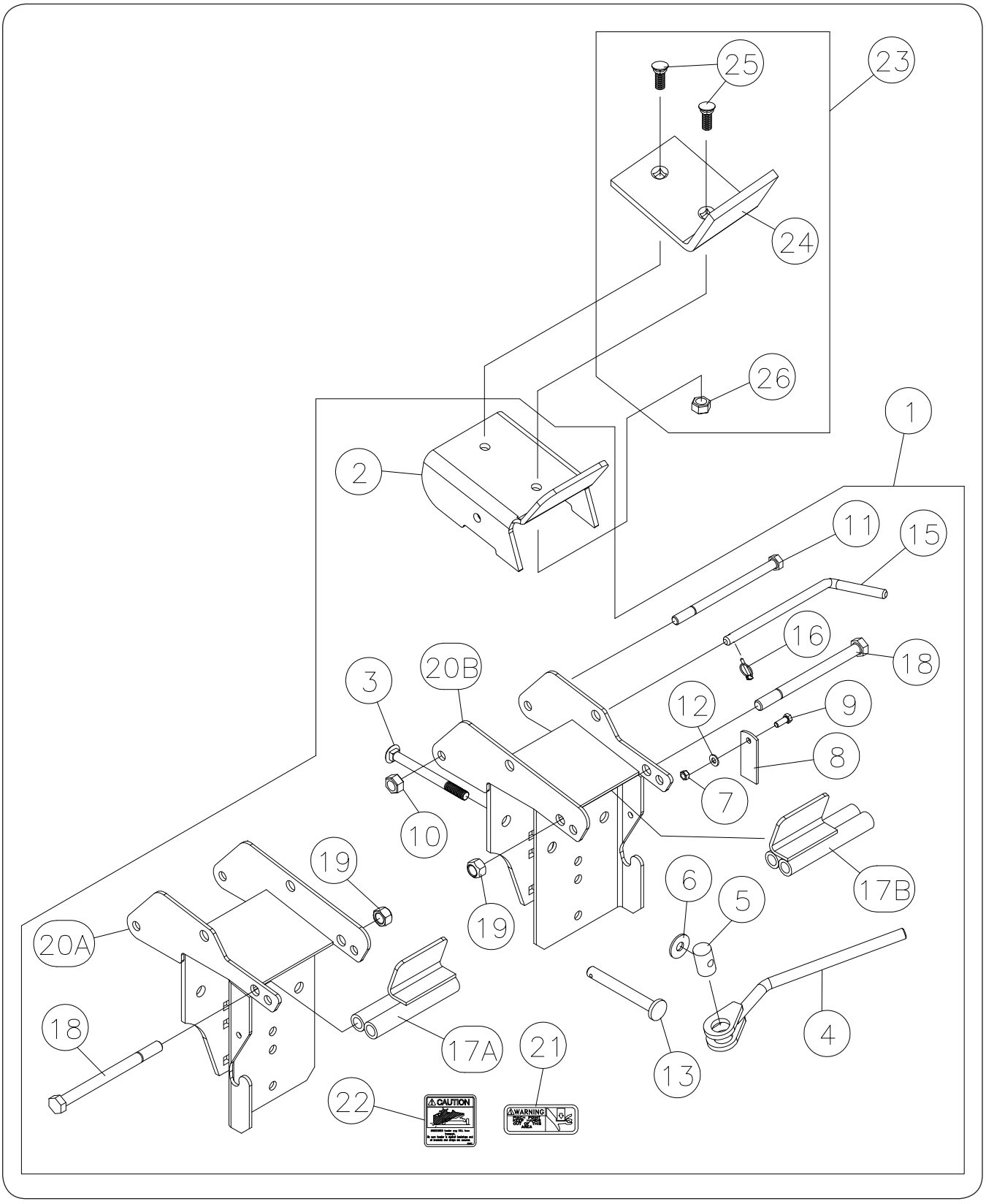
Light Components



Light Components

ITEM	PART NO.	DESCRIPTION	QTY.	NOTES
1	31772B	Light Bar Assembly =Black=	1	HT25/30/36/42
	31772G	Light Bar Assembly =Green=		
	31772R	Light Bar Assembly =Red=		
2	97182	Grommet for Light	2	
3	902217	Red LED Light, 3-Prong Mount	2	
4	31780B	Light Bar Weldment, Left-Hand =Black=	1	
	31780G	Light Bar Weldment, Left-Hand =Green=		
	31780R	Light Bar Weldment, Left-Hand =Red=		
5	31781B	Light Bar Weldment, Right-Hand =Black=	1	
	31781G	Light Bar Weldment, Right-Hand =Green=		
	31781R	Light Bar Weldment, Right-Hand =Red=		
6	9003127	Reflector, 2x9 (AMBER)	2	
7	9003126	Reflector, 2x9 (RED)	2	
8	31810	Light Harness Bar	1	
9	93661	Self-Drilling Screw, #10-16 x 5/8"	4	
10	221069	Spring Harness Retainer	1	
11	281372	Spacer Bushing	1	
12	9390-031	Capscrew, 5/16"-18UNC x 1 1/4"	1	Grade 5
13	9807	Locknut, 5/16"-18UNC	1	Grade 5
14	9001529	Flange Screw, 1/2"-13UNC x 1"	4	Grade 5
15	91267	Flange Nut 1/2"-13UNC	4	
16	31809B	Formed Plate Cover =Black=	3	
	31809G	Formed Plate Cover =Green=		
	31809R	Formed Plate Cover =Red=		
17	9523	Self-Drilling Screw, 1/4-14 x 1 1/4"	20	
18	31839B	Cover Plate =Black=	1	
	31839G	Cover Plate =Green=		
	31839R	Cover Plate =Red=		
19	31744B	Backing Plate =Black=	2	
	31744G	Backing Plate =Green=		
	31744R	Backing Plate =Red=		
20	98830	Rubber Grommet	1	
21	32269	Wiring Harness, 48.5'	1	
22	32577B	Light Axle Mount Assembly	1	
23	9405-106	Flat Washer 3/4" USS	1	
24	9395-016	Hex Jam Nut 3/4"-10UNC	1	
25	9005332	Flange Nut 3/4"-10UNC	1	
26	32531B	Light Axle Mount Weldment	1	
27	9390-135	Capscrew 5/8"-11UNC x 5 1/2"	2	Grade 5
28	9801	Locknut 5/8"-11UNC	2	
29	32363B	Channel Weldment	1	
30	9001529	Flange Screw 1/2"-13UNC x 1"	2	Grade 5

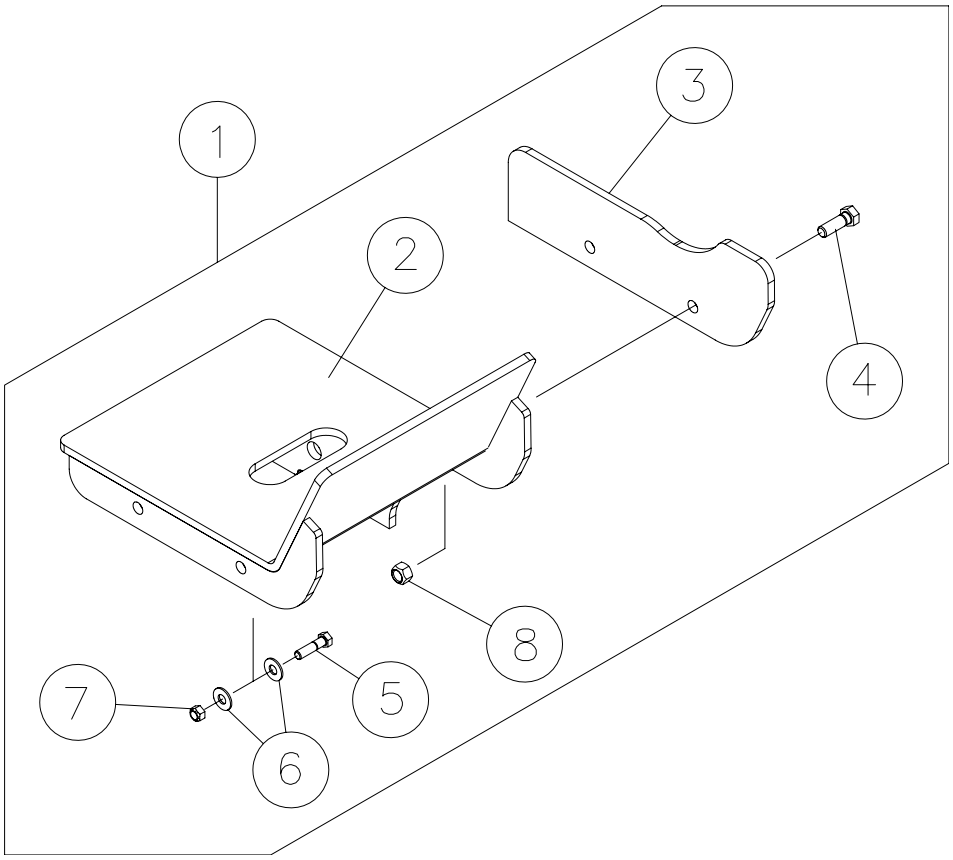
Header Rest Bracket Components



Header Rest Bracket Components

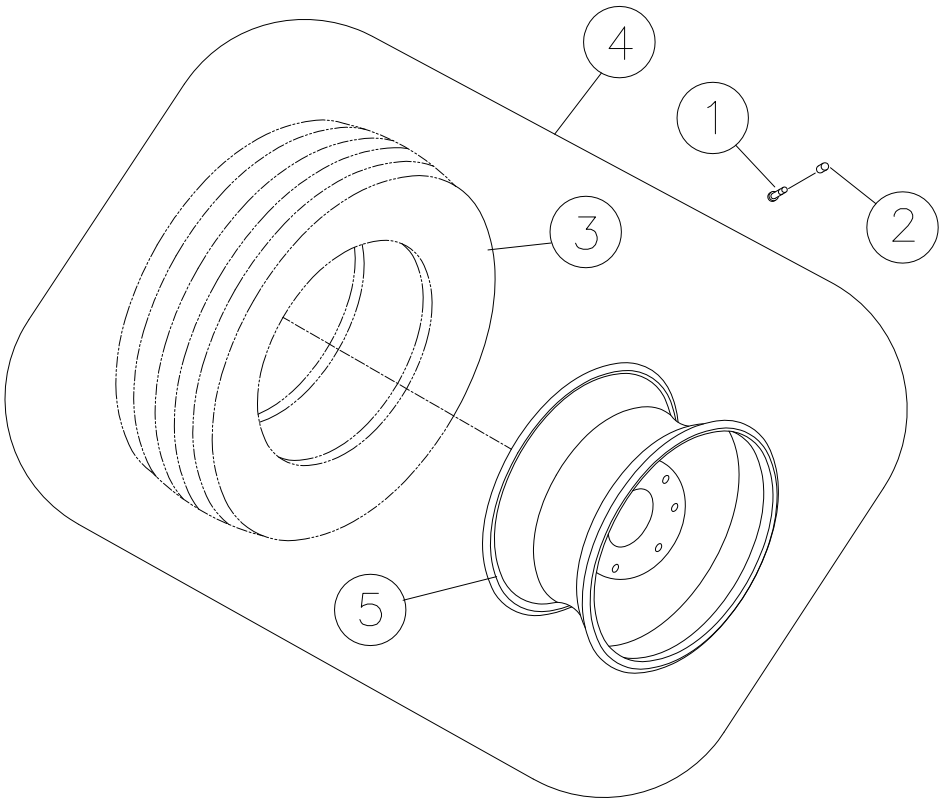
ITEM	PART NO.	DESCRIPTION	QTY	NOTES
1	30514	Rest Bracket Assy RH	1	Includes Items 2-22
	30515	Rest Bracket Assy LH		
2	30392	Riser Bracket	1	
3	9388-149	Carriage Bolt 5/8"-11UNC x 7" Lg.	1	Grade 5
4	30189	Handle	1	
5	30193	Pin 1 1/4" Dia. x 2"	1	
6	95757	Flat Washer 5/8"	1	
7	9928	Locknut 3/8"-16UNC	1	
8	30181	Plate	1	
9	9390-055	Capscrew 3/8"-16UNC x 1" Lg.	1	Grade 5
10	9801	Locknut 5/8"-11UNC	1	
11	9390-700	Capscrew 5/8"-11UNC x 9 1/2"	1	Grade 5
12	9405-076	Flat Washer 3/8"	1	
13	9500153	Adjustment Pin	2	
14A	30900B	Rest Bracket LH Assembly w/ Decals & Fold Down Back Stop	1	Includes Items 15-22
14B	30899B	Rest Bracket RH Assembly w/ Decals & Fold Down Back Stop		
15	30380	Lock Pin 5/8" x 14 1/8"	2	
16	9093	Klik-Pin 3/16" Dia.	4	
17A	30533	Stop Weldment, Left-Hand	1	
17B	30532	Stop Weldment, Right-Hand		
18	9390-687	Capscrew 3/4"-10UNC x 9 1/2"	1	Grade 5
19	9802	Locknut 3/4"-10UNC	1	
20A	30902B	Rest Bracket, Left-Hand	1	Includes Items 21-22
20B	30901B	Rest Bracket, Right-Hand		
21	95839	Decal, "WARNING" (Pinch Point)	1	
22	97877	Decal, "CAUTION" (Unsecured Header)	1	
23	30849	Extension Plate Kit	-	Includes Items 29-31
24	30848B	Extension Plate	2	
25	97296	Plow Bolt 5/8"-11UNC x 1 3/4"	4	
26	9801	Locknut 5/8"-11UNC	4	

Optional 12 1/2” Wide Riser Pad Kit #32688B



ITEM	PART NO.	DESCRIPTION	QTY	NOTES
1	32688B	Riser Plate Kit 12.5” Wide (Pair)	1	Includes Items 2-7
2	32662B	Draper Riser Weldment	2	
3	32666B	Side Plate	2	
4	9093	Klik Pin	2	
5	9390-101	Capscrew 1/2”-13UNC x 1 1/2”	4	Grade 5
6	30380	Lock Pin 5/8” Dia. x 14 1/8”	2	
7	9800	Locknut 1/2”-13UNC	4	

Wheel & Tire Components

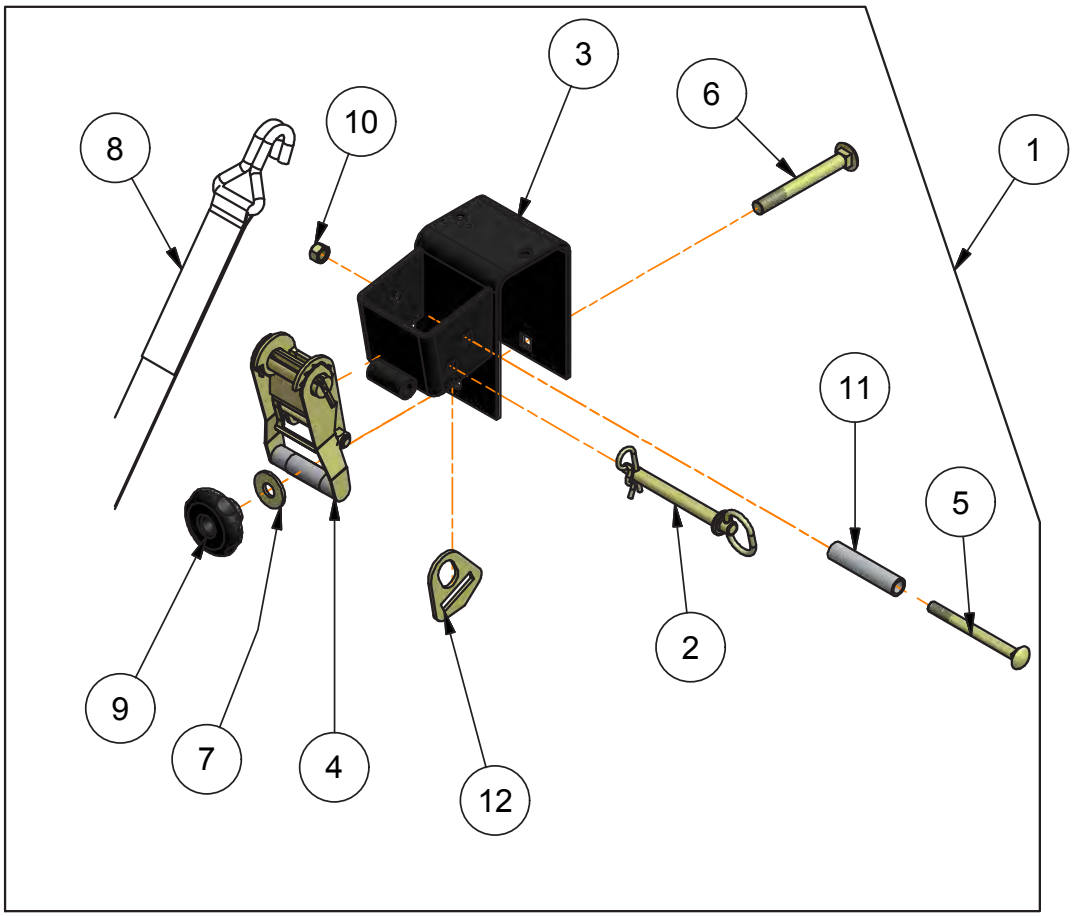


ITEM	PART NO.	DESCRIPTION	QTY.	NOTES
1	9817	Valve Stem	4	
2	9818	Valve Cap	4	
3	99134	Tire F-Range 22.5/8.0-12	-	
4	98906	Mounted Tire & Wheel W612-6 22.5x8-12	4	F-Range Prior to SN A61190000
	17186	Mounted Tire & Wheel 8x15; 11Lx15		F-Range
	9501155	Mounted Tire & Wheel W712-6 225/55B12 LRE		Beginning with SN A61190000
5	902250	8 x 15 Implement Wheel	-	
	W612-6	6 x 12 Implement Wheel		
	9501153	7 x 12 Implement Wheel		

FOR TIRE WARRANTY

Any questions concerning tire warranty should be directed to the tire manufacturer or your local tire dealer. Tire manufacturers' phone numbers and websites are listed in "MAINTENANCE" section for your convenience.

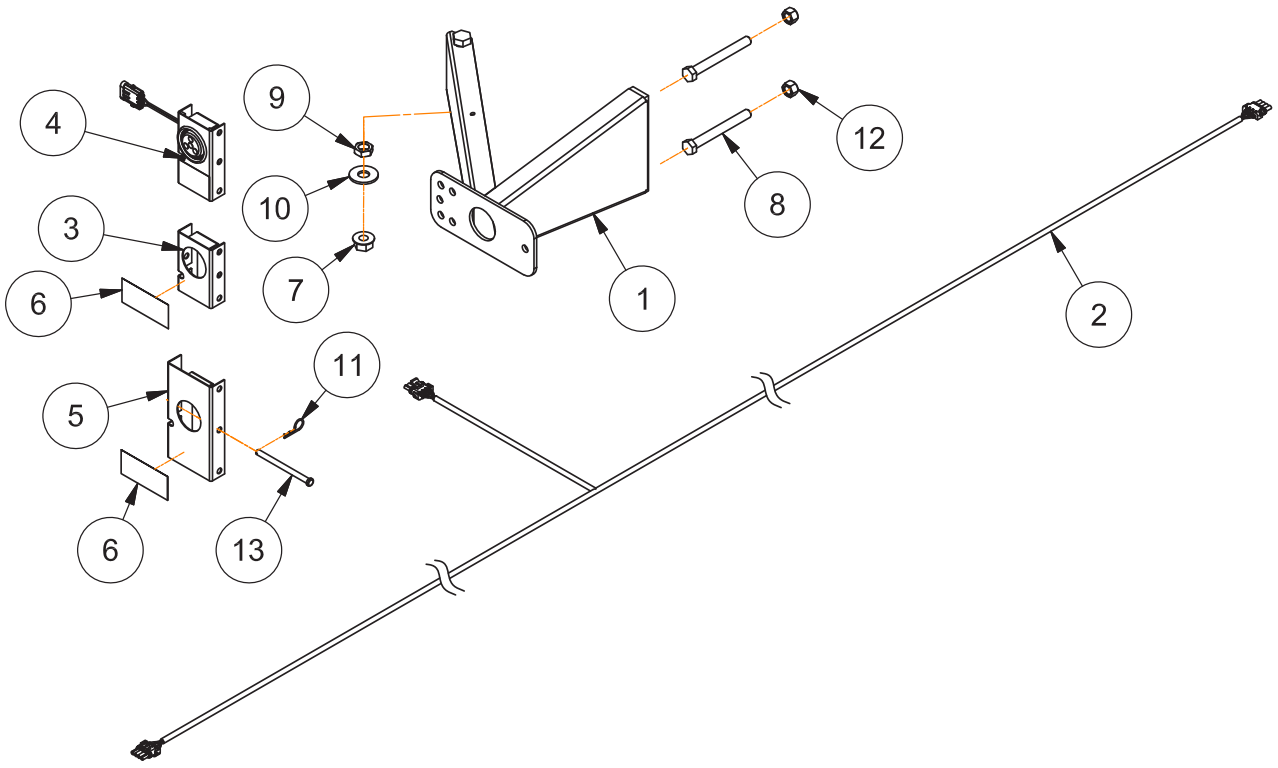
Tie Down Components



ITEM	PART NO.	DESCRIPTION	QTY.	NOTES
1	30501	Tie-Down Assembly (Set)	1	
2	103076	Hitch Pin 5/8" Dia. x 5 3/4"	2	
3	30544B	Tie Down Bracket	2	
4	903121	Ratchet Buckle	2	
5	9388-117	Carriage Bolt 1/2"-13UNC x 5 1/2"	2	
6	9388-146	Carriage Bolt 5/8"-11UNC x 5 1/2"	2	
7	9405-100	Flat Washer 5/8"	2	
8	903044	Strap / Tie Down	2	
9	97517	Knob	2	
10	9800	Top Locknut 1/2"-13UNC	2	
11	30485	Pipe 3 15/16"	2	
12	901677	Hook Back Plate	2	

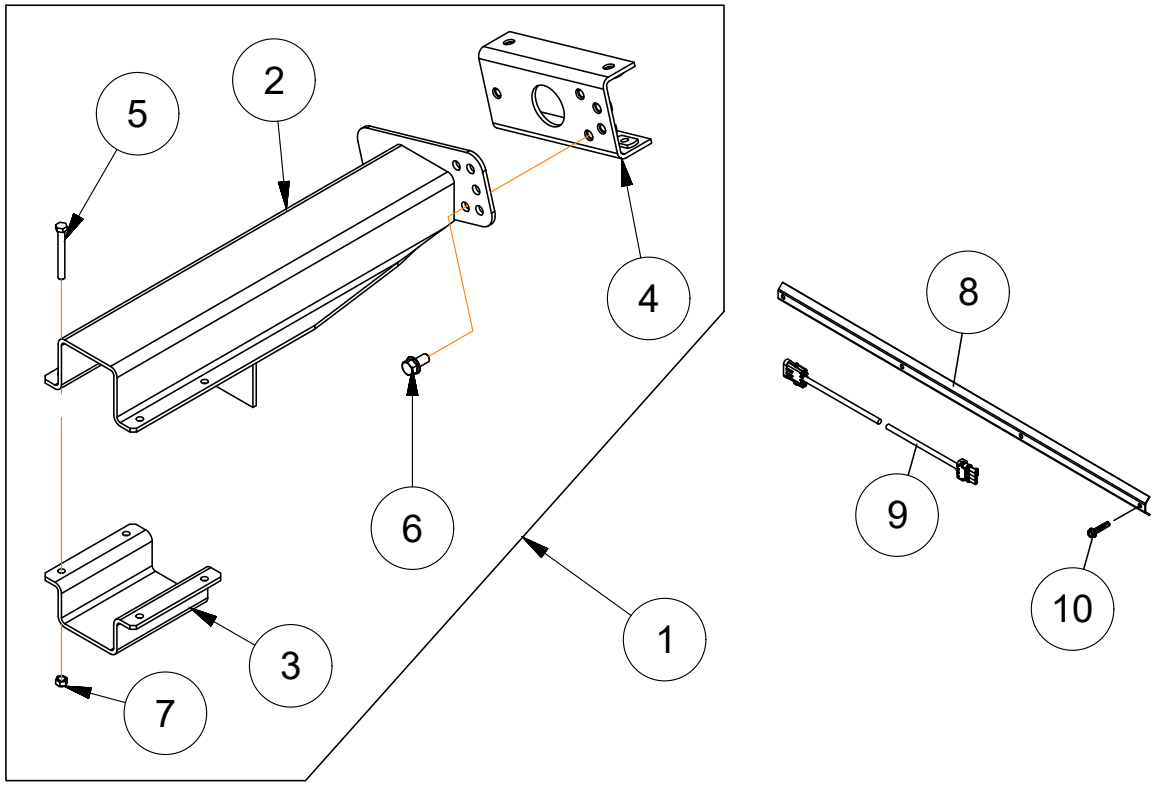
Retro Light Bar Kit #32935B (Axle Mount)

Prior to Serial Number A57920100



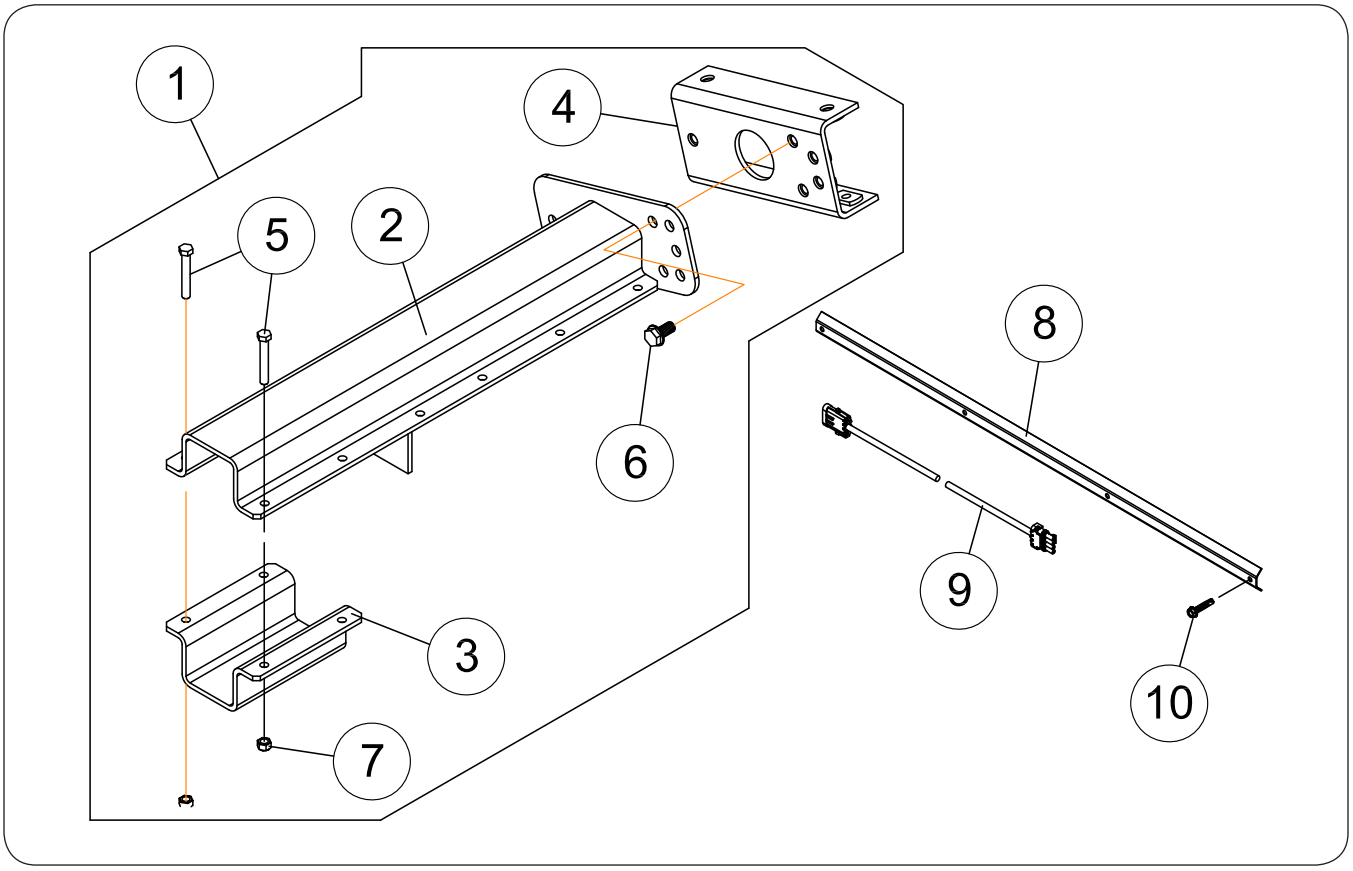
ITEM	PART NO.	DESCRIPTION	QTY	NOTES
1	32531B	Light Axle Mount Weldment	1	
2	31812	Wire Harness	1	
3	32734B	End Cap Weldment 3 x 5	1	
4	32738B	End Cap Assembly 3 x 6 w/Light	1	
5	32741B	End Cap Weldment 4 x 8	1	
6	9003125	Fluorescent Strip (Red/Orange)	A/R	
7	9005332	Serrated Flange Nut 3/4"-10UNC	1	
8	9390-135	Capscrew 5/8"-11UNC x 5 1/2"	2	Grade 5
9	9395-016	Hex Jam Nut 3/4"-10UNC	1	
10	9405-106	Flat Washer 3/4" USS	1	
11	9514	Hairpin Cotter	1	
12	9801	Locknut 5/8"-11UNC	2	
13	TA8F93	Clevis Pin 3/8" Dia. x 5	1	

Optional Upper Bar Light Bar Mount Kit



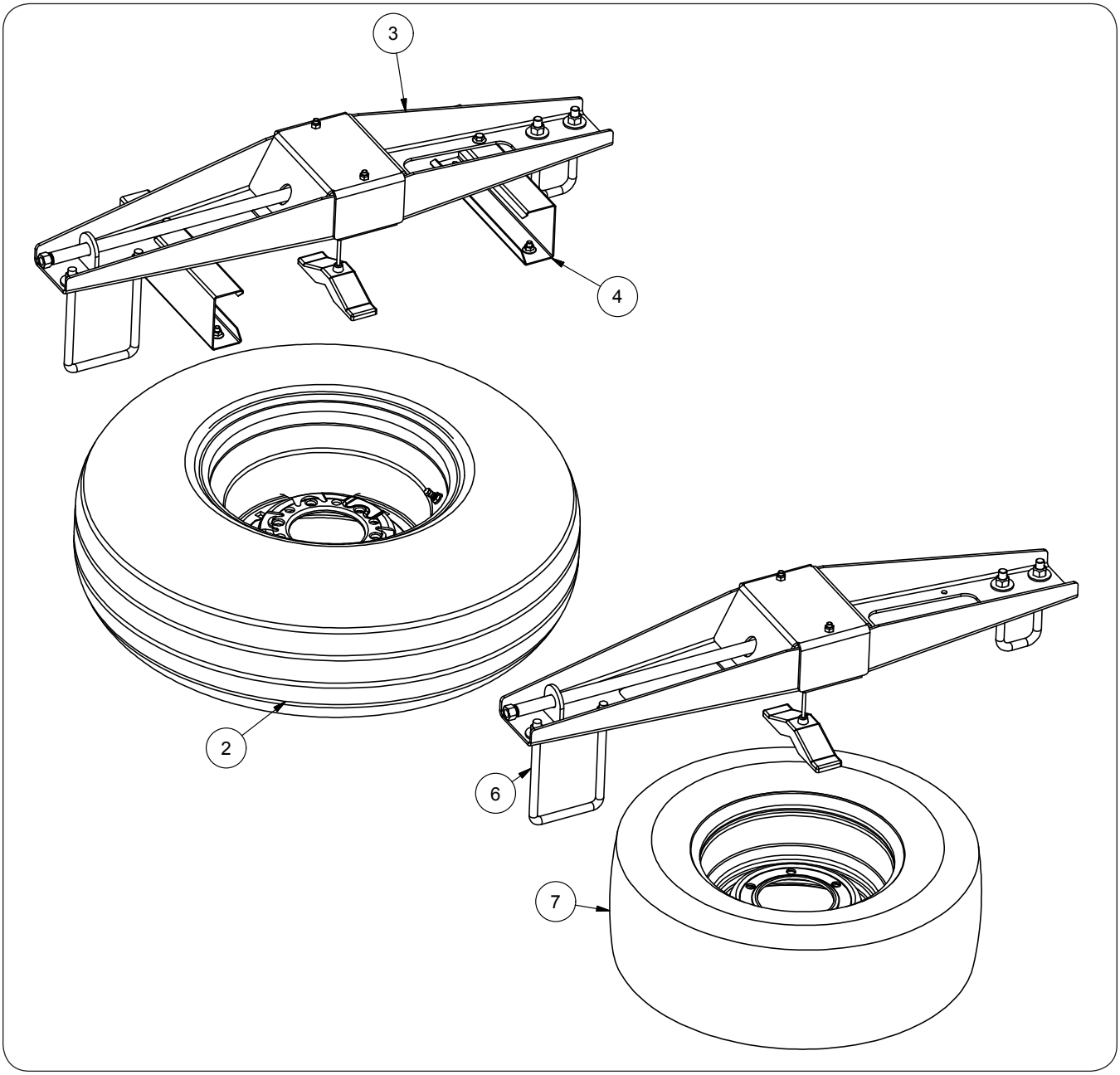
ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	32337B	Light Bar Mount Kit for 4x8 Upper Rest Tube		Includes Items 1 through 10
1	31750B	Light Bar Mount	1	Includes Items 2 through 7
2	31747B	Light Mounting Weldment, 4”	1	
3	31748B	Coupler Plate Tube, 4”	1	
4	32363B	Channel Weldment	1	
5	9001529	Flange Screw 1/2”-13UNC x 1”	3	
6	9390-064	Capscrew, 3/8”-16UNC x 3 1/4”	4	Grade 5
7	9928	Locknut, 3/8”-16UNC	4	Grade 5
8	31809B	Cover =Green=	4	
9	31815	Wiring Harness 204”	1	
10	9523	Self-Drilling Screw 1/4-14 x 1 1/4”	13	

Optional Upper Bar Retro Light Bar Mount Kit



ITEM	PART NO.	DESCRIPTION	QTY	NOTES
	31904G	Retro Light Bar Mount Kit for 3x5 & 3x6 Upper Rest Tube =Green=	-	Includes Items 1 through 10
	31904R	Retro Light Bar Mount Kit for 3x5 & 3x6 Upper Rest Tube =Red=	-	
1	31743B	Light Bar Mount	1	Includes Items 2 through 7
2	31738B	Light Mounting Weldment, 3”	1	
3	31742B	Coupler Plate Tube, 3”	1	
4	32363B	Channel Weldment	1	
5	900151	Capscrew, 3/8”-16UNC x 2 1/2”	4	Grade 5
6	9001529	Flange Screw 1/2”-13UNC x 1”	3	
7	9928	Locknut, 3/8”-16UNC	4	Grade 5
8	31809G	Cover =Green=	4	
	31809R	Cover =Red=		
9	31815	Wiring Harness 204”	1	
10	9523	Self-Drilling Screw 1/4-14 x 1 1/4”	13	

Optional Spare Tires



Optional Spare Tires

ITEM	PART NO.	DESCRIPTION	NOTES
1	32180B	Spare Tire Kit with Mounting Bracket	Includes Items 2, 3, 4
2	17186	Mount Wheel & Tire 8 x 15; 11L x 15	
3	31948B	Spare Tire Mounting Bracket	
4	32280B	Spacer Kit	
5	32179B	Spare Tire Kit with Mounting Bracket	Includes items 6 & 7
6	31948B	Spare Tire Mounting Bracket	
7	9501155	Mounted Wheel & Tire W712-6; 225/55B12	

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Manufacturing Company, Inc.
www.unverferth.com

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