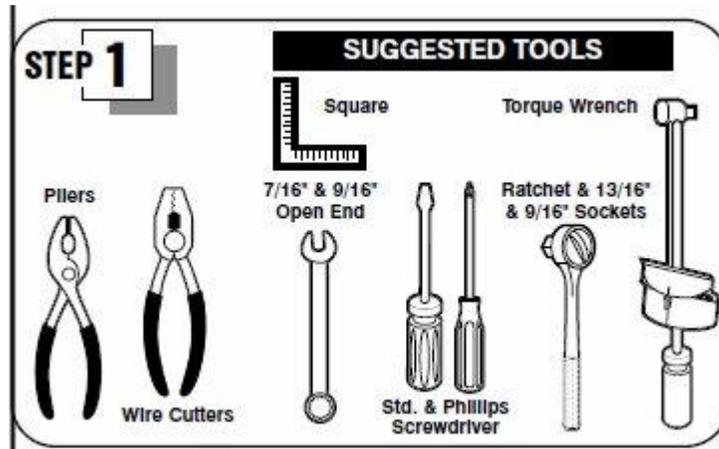


UT-850MIIIWT



ASSEMBLY REQUIREMENTS

***Torque all T-bolt nuts to 35-40 foot pounds.**

***Check all lights before towing.**

***Tire pressure not to exceed recommendation on serial tag.**

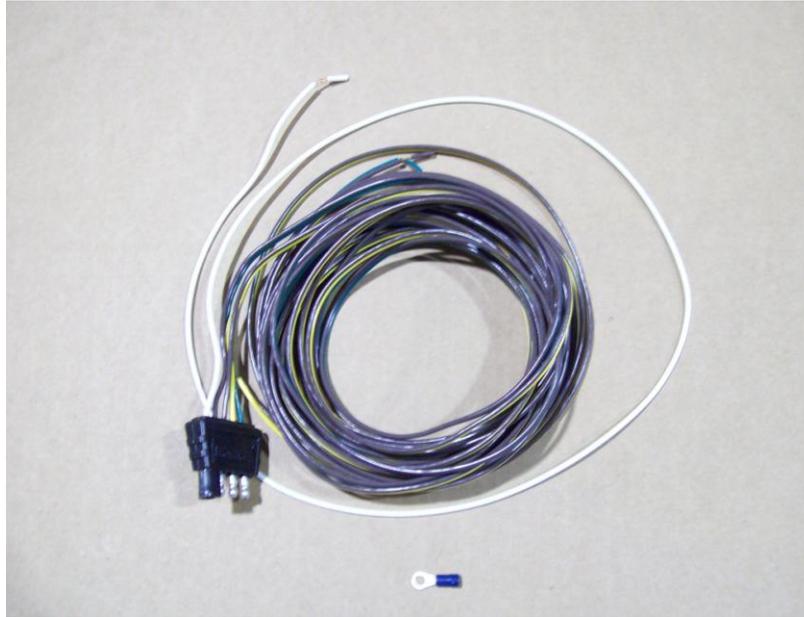
***Re-torque wheel nuts after first 25 miles to 80 ft pounds and periodically thereafter.**

Failure to follow the assembly instructions could result in serious injury or death.

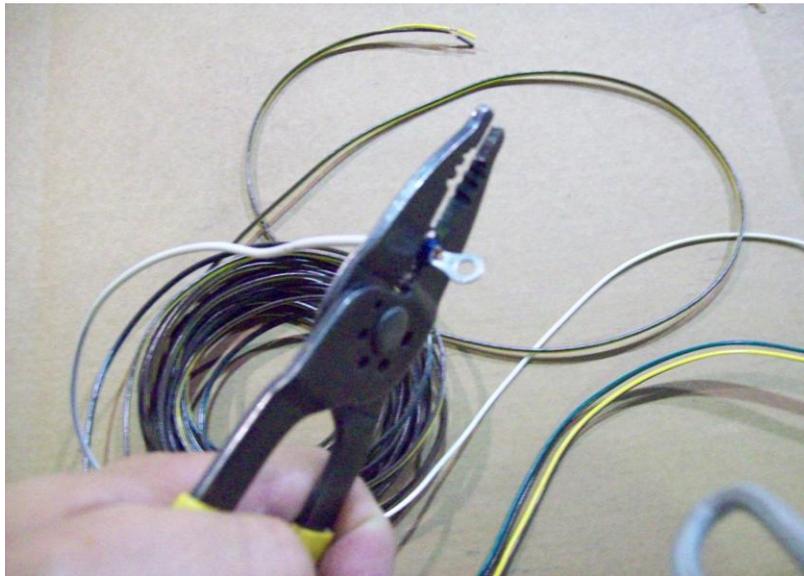
Incorrect assembly or modifications to your trailer will void any specific or implied warranty.

For questions or assistance assembling your trailer call 800-282-5042.

Installation of harness



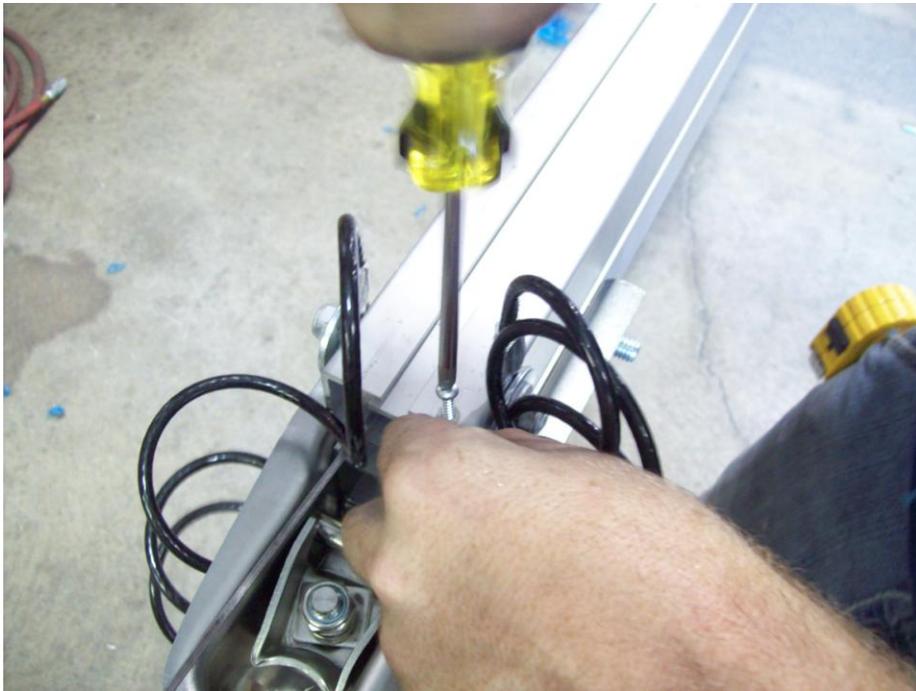
Locate harness and terminal



Cut the white ground wire at 31" from the connector. Strip the ground wire and install ring terminal.



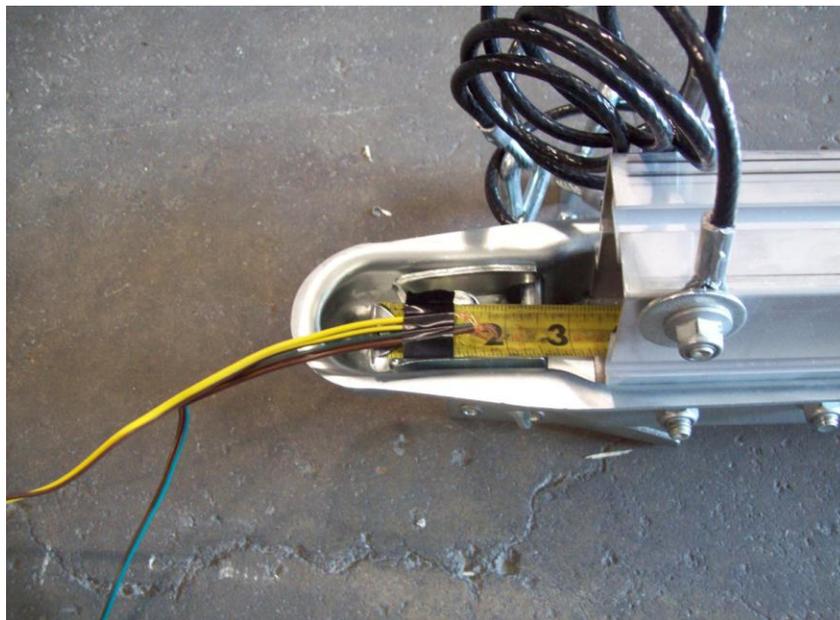
Locate the $\frac{3}{4}$ " long Philips screw.



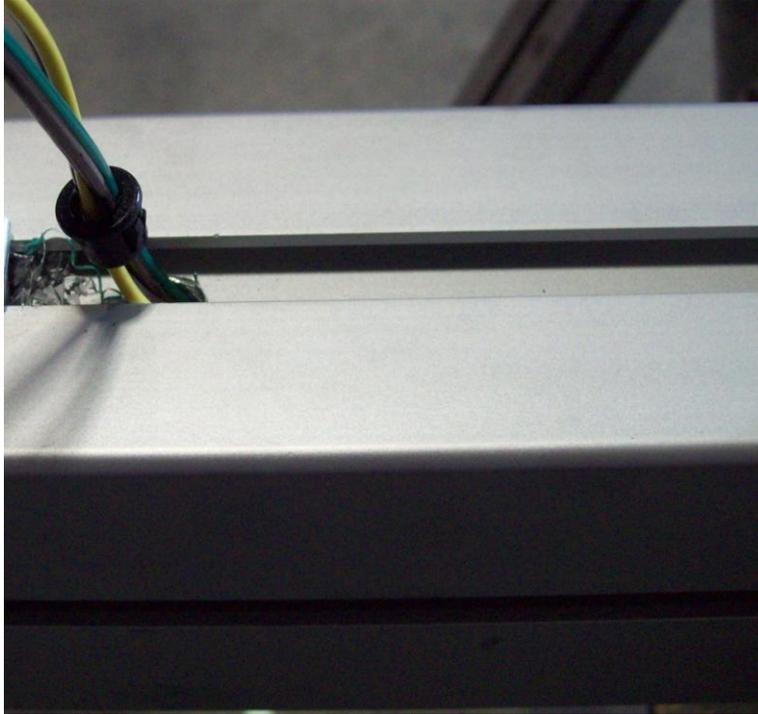
Install Philips screw through the ground wire into the pre-drilled hole located under the tongue just behind the coupler.



Extend a tape measure inside the tongue from the rear of the trailer until it protrudes at the front of the trailer under the coupler.



Attach both wires of the harness to the end of the tape measure with either tape or a tie. Retract the tape measure until it comes out the back of the tongue with both wires attached.

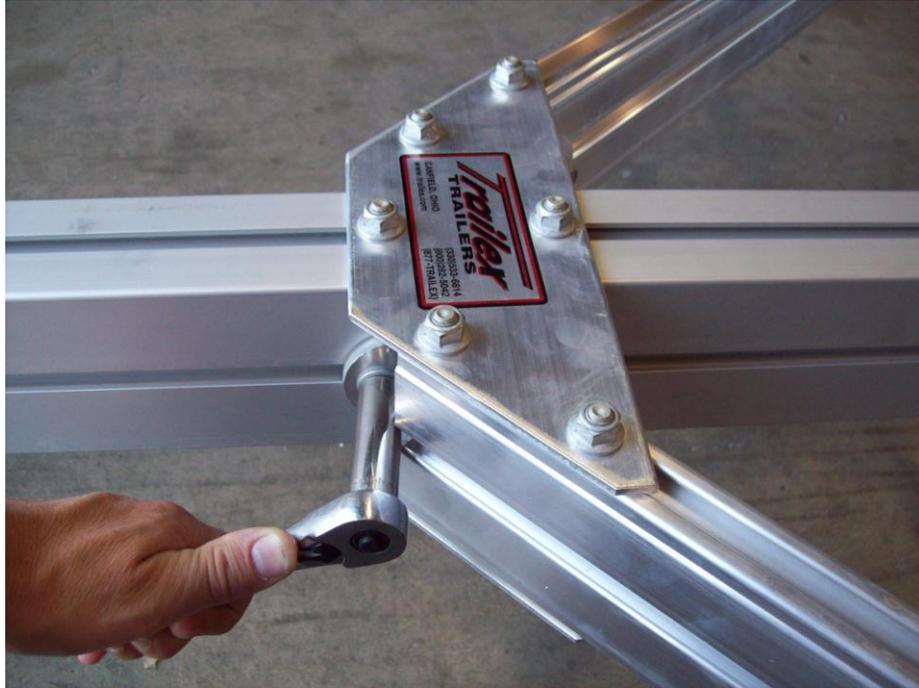


Underside shown

Run harness through the hole at the rear of the tongue. Locate small plastic grommet and run the harness through it.



Once harness is through the grommet it can be snapped in to position.



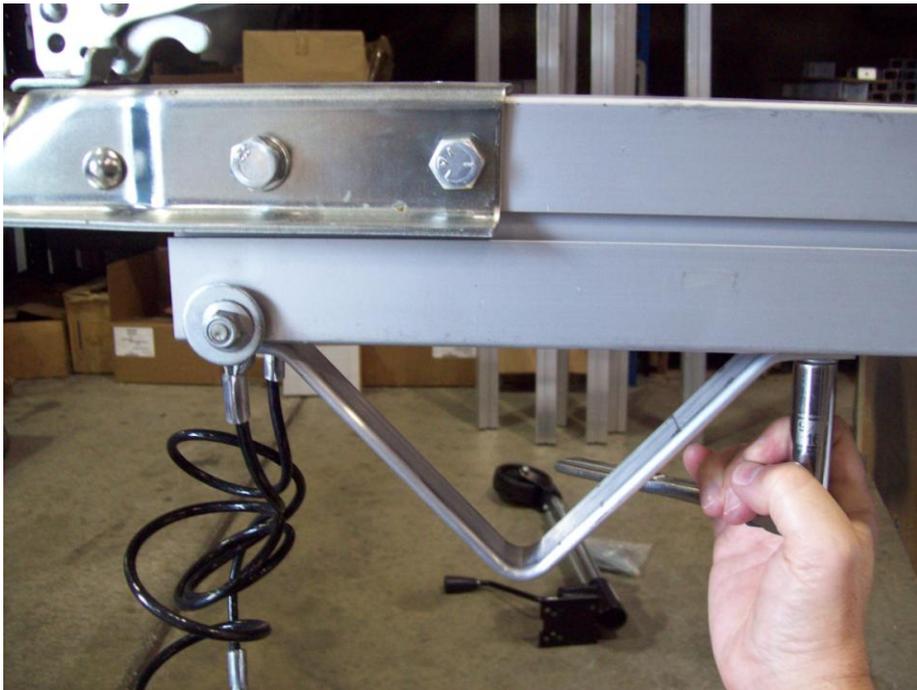
Slide tongue into position on the frame and tighten nuts.



At this point the trailer should look like this.



Locate the skid bracket.



Slide bracket into the bottom channel of the tongue section. Position bracket as shown and tighten nuts.



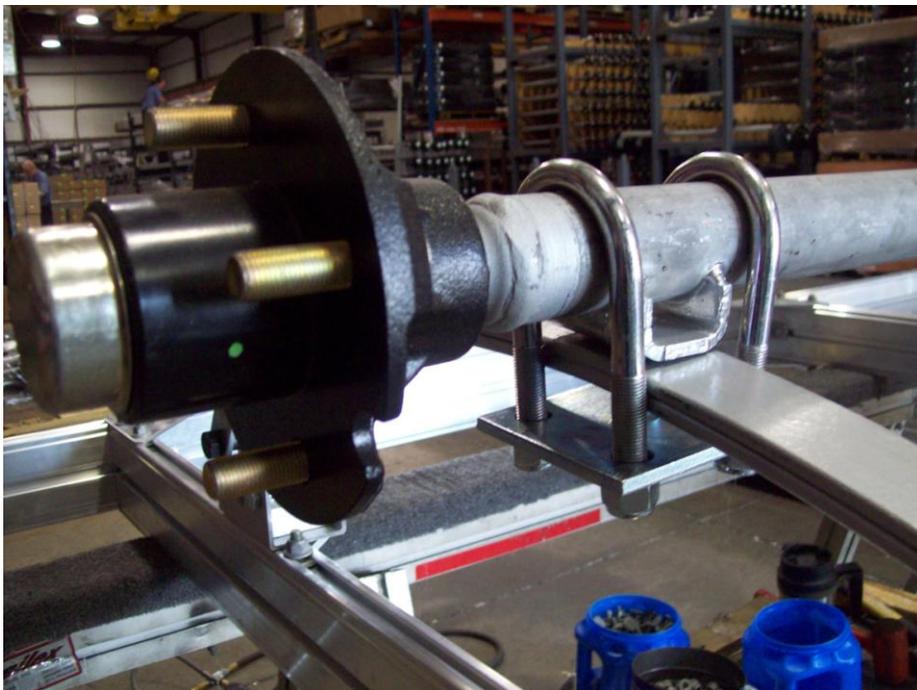
Remove the bolt from the front spring eye and install the spring into the spring hanger in the center hole with the nut towards the inside of the trailer. Do not tighten yet.



Remove the two bolts from the shackle holder at the rear of the spring and install the shackle holder into the rear spring hanger with the nuts toward the inside of the trailer then tighten the nuts. Do not tighten the shackle nuts yet.



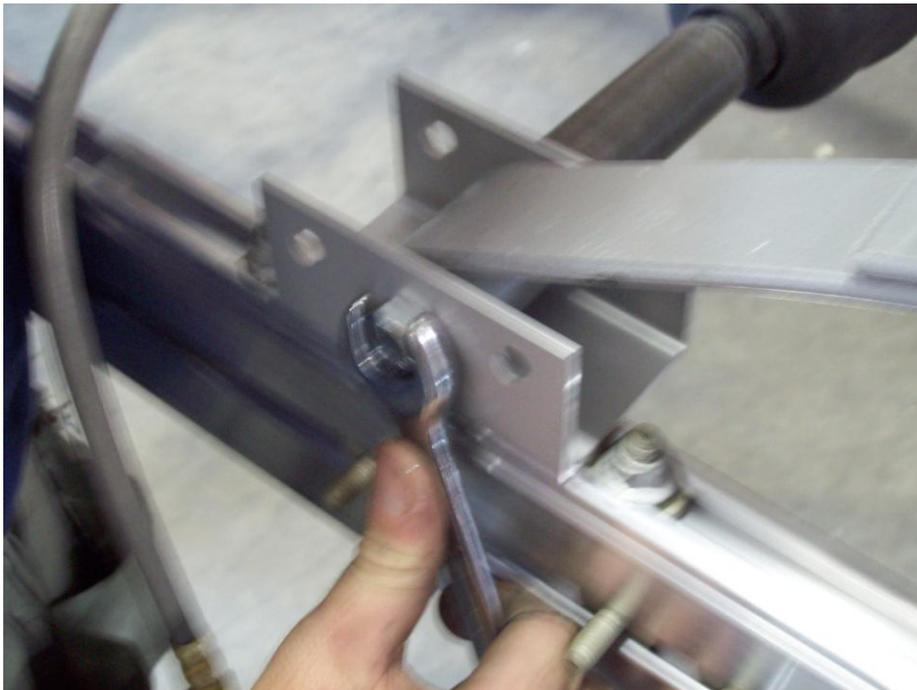
Locate the axle and install it on the springs as shown. Make sure the locating studs on the springs are in the holes on the axle's spring seat. Face the axle's serial plate toward the rear of the trailer to protect it from debris.



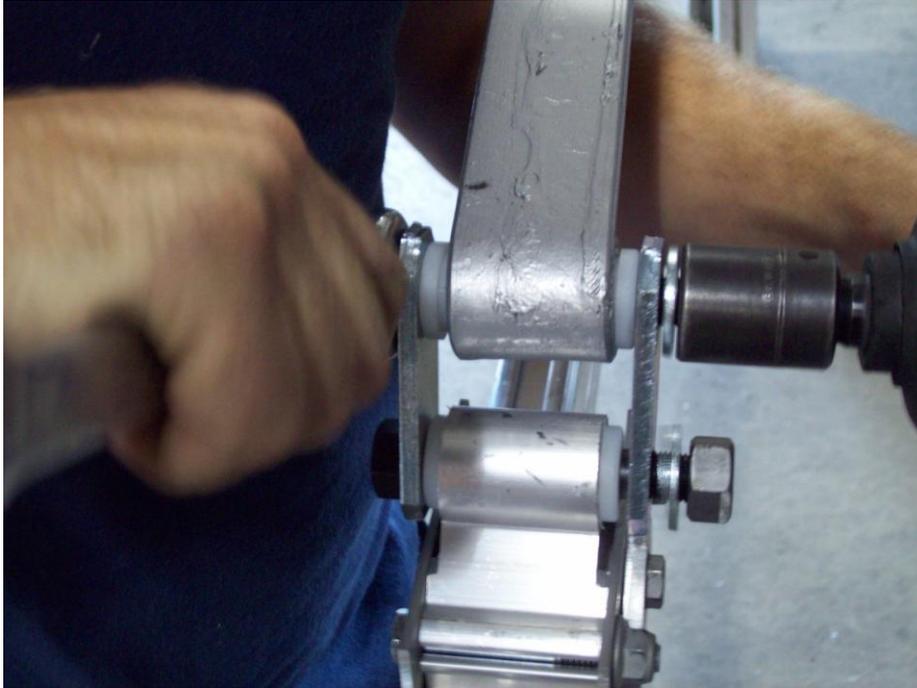
Locate the U-bolts and tie plates and install them as shown.



Tighten all the U-bolt nuts evenly.



Now go back and first tighten the front spring mounting nuts that were left loose previously.



Then tighten the rear shackle nuts. Do not over tighten as this will not allow the suspension to move properly.



Locate the fender with mounting bracket.



Position the four T-bolts on the side rail under the axle as shown. Install the fender bracket over the two inner T-bolts. Then position and tighten nuts.



Install the washers over the outer two T-bolts. First two rubber washer, two steel washer and nuts. Slide T-bolts and washer over the inside edge of the fender then tighten nuts.



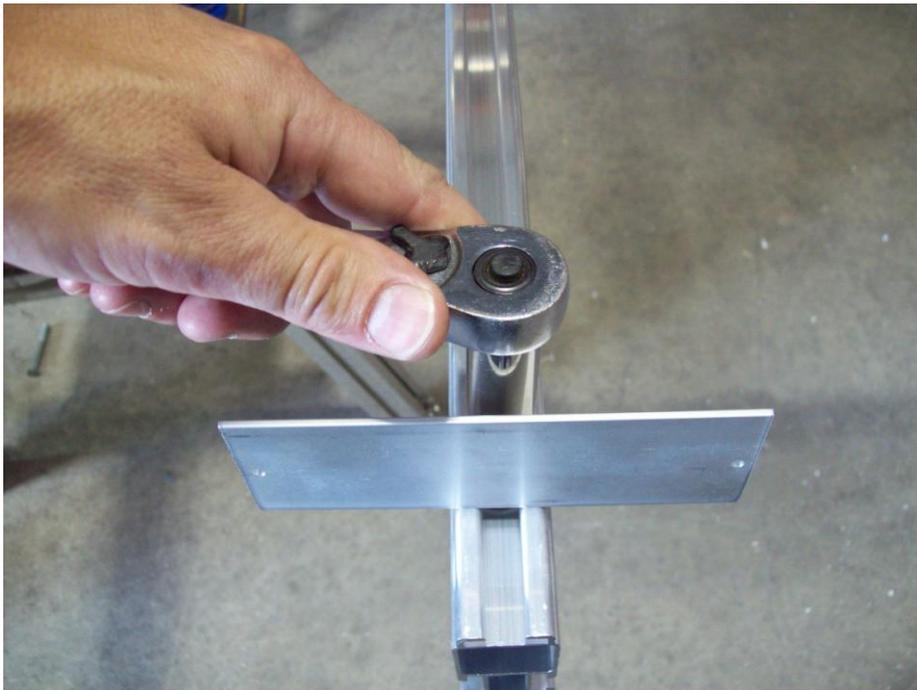
Locate 8 lug nuts, and wheels.



Install the wheels with the valve stems facing out. Install the lug nuts with the tapered side facing the wheel.



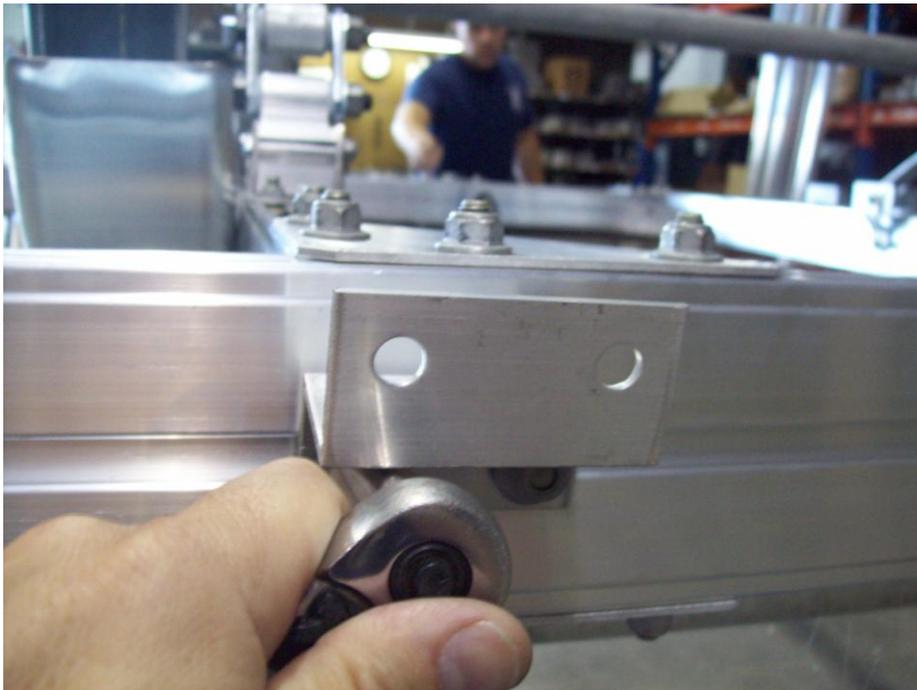
Locate the two side marker light brackets.



Slide side marker brackets into each side of the front cross member. Position them about 1" in from each end of the cross member and then tighten.



Locate the two taillight brackets.

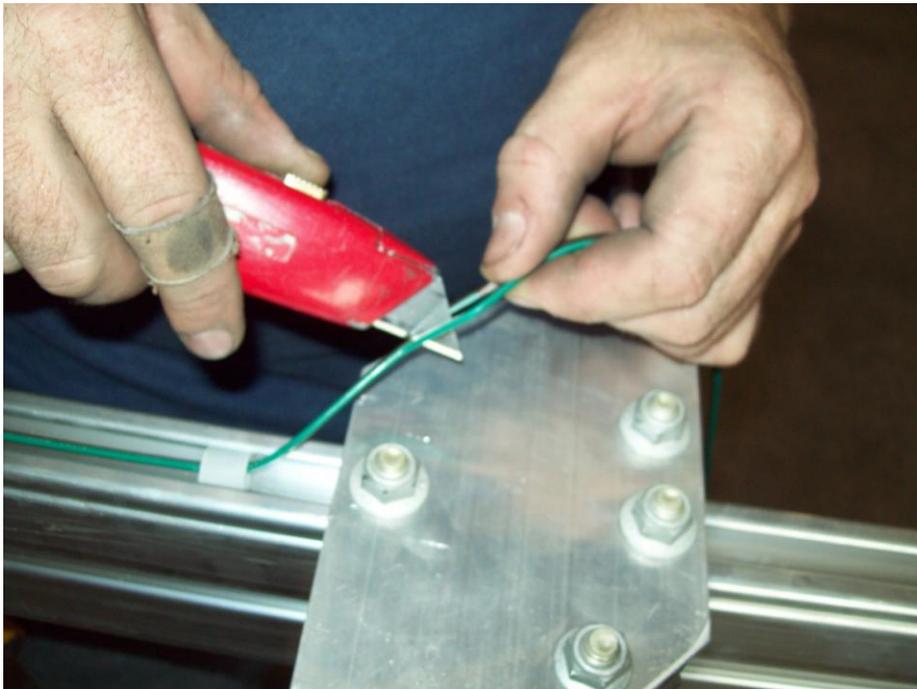


Slide the brackets into the rear cross member. Position as shown.

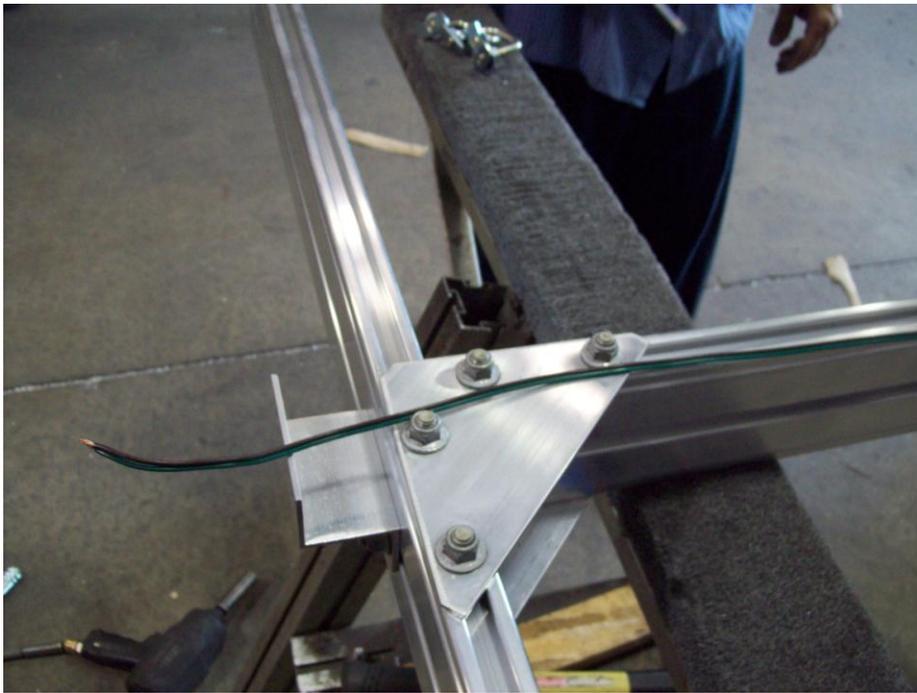


Shown upside down

Route the harness as shown and attach adhesive clips in rail. The green and brown wires are passenger side. Yellow and brown are driver side.



Separate the green and brown wire as shown on the front cross member. This is to splice the side marker light into the harness. Repeat the process for the other side.



Route the wires through the channel and around the leaf springs to the back of the trailer. Make sure to leave enough harness for the rear tail light then cut off the excess wire. Be sure to keep left over harness, this will be used later.



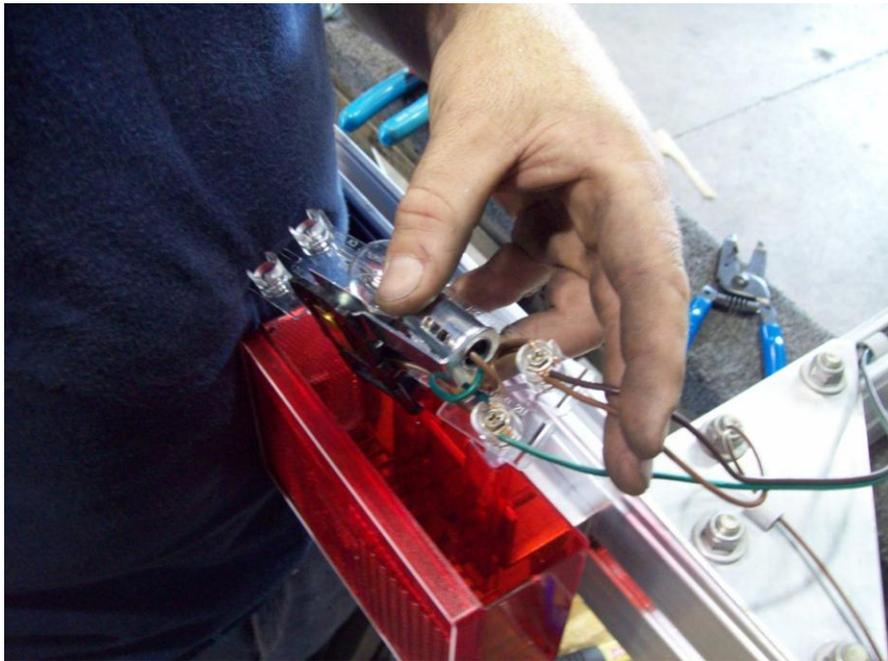
After wire is run through the channels go back and add adhesive clips to take up the slack on the harness as shown.



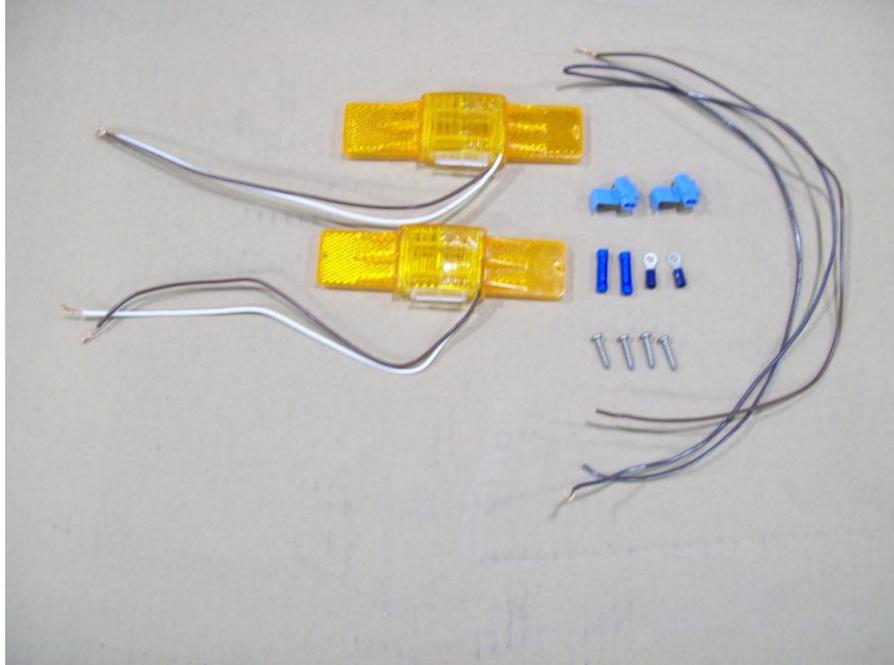
Install carriage bolts into the back of the tail lights as shown.



The light with the yellow and brown wires is for the left (driver's side) of the trailer. Install the license plate holder on the driver's side light and then place ground wire over top of bolt as shown.



Install the tail lights to each bracket. Make sure to tighten nuts but don't over tighten them. Loosen the wire retaining screws and install the color matching wires from the wire harness onto the corresponding retaining screws.



Locate the two amber running lights, four small Philips screws, adhesive backed clamps, two ring terminals, two butt connectors, two Scotchlok connectors and left over harness.



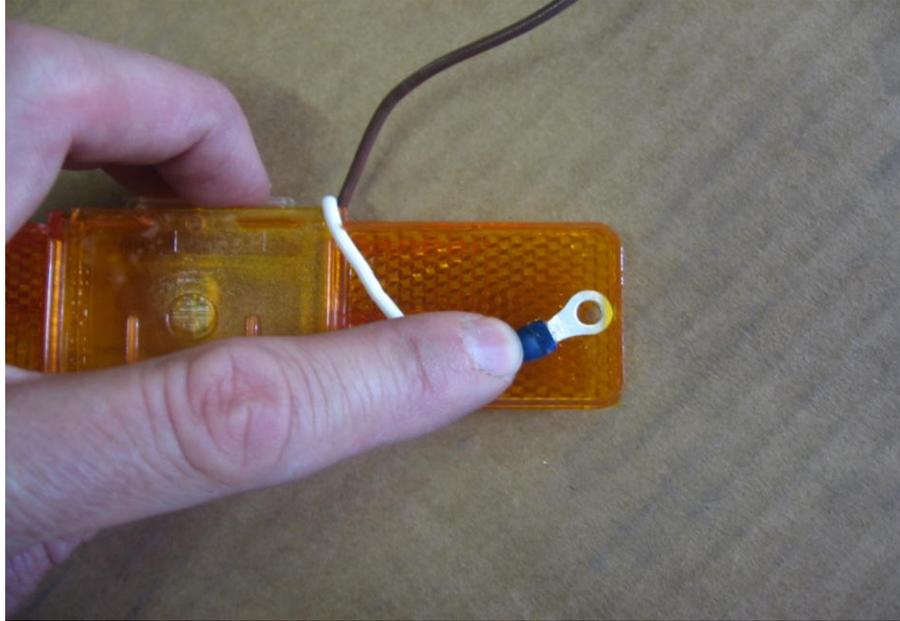
Cut approximately 8 ½" off of the white wires on both running lights



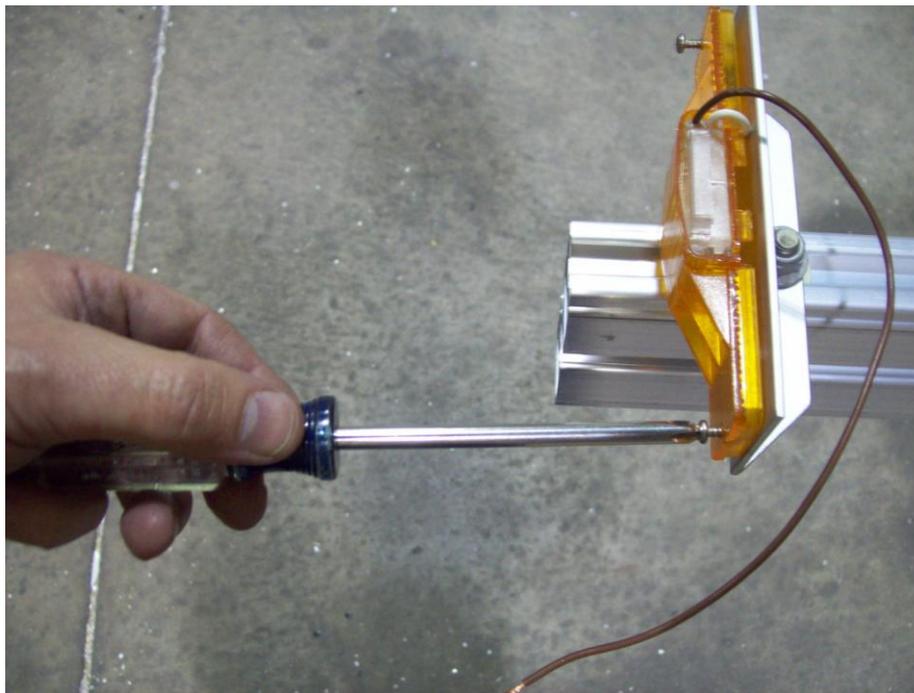
Strip 1/4" of insulation from the wire.



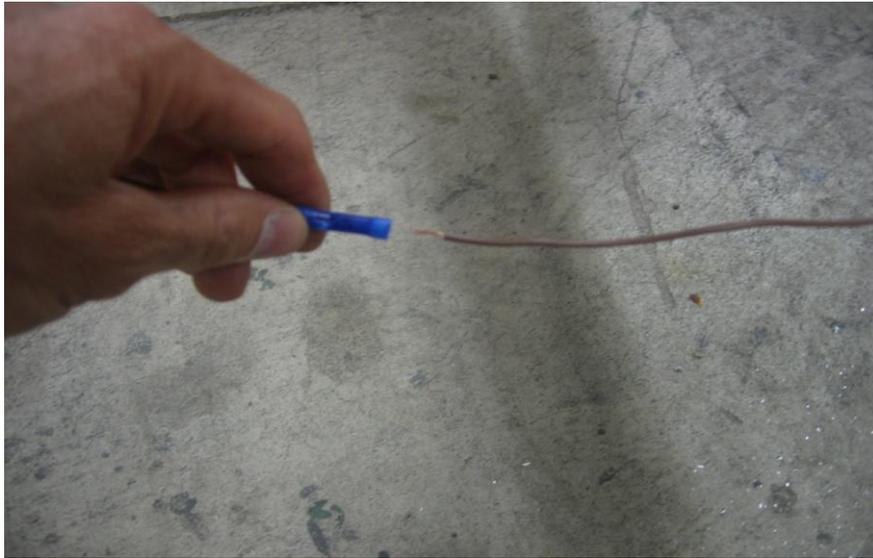
Install the ring terminals by crimping the terminal onto the bare wire.



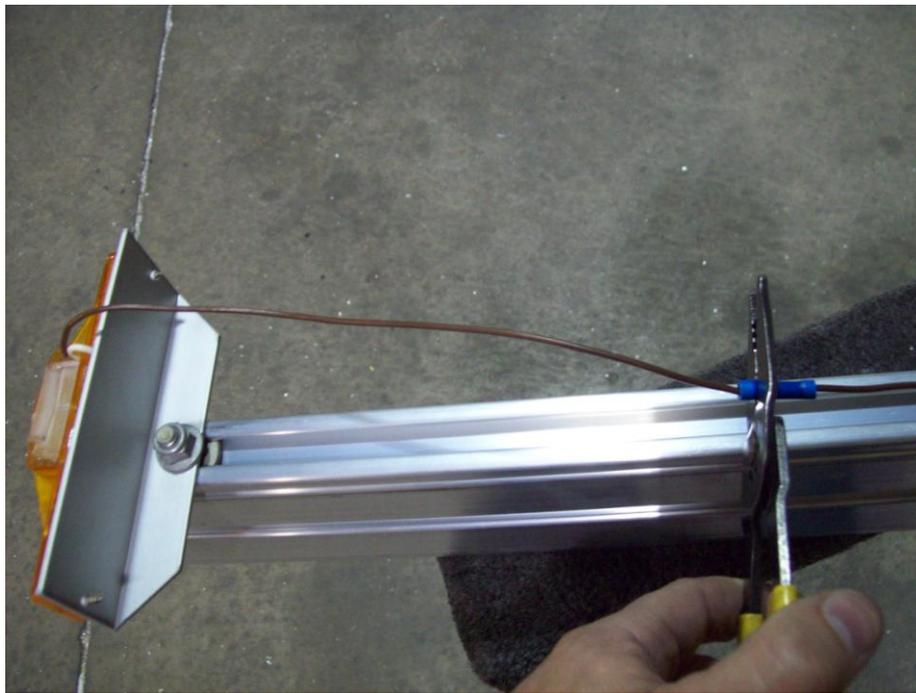
Align the ring terminals with the screw hole nearest the wire on the back of the running light. Make sure the wire is routed through the gap on the back of the light so it does not become pinched when the light is installed.



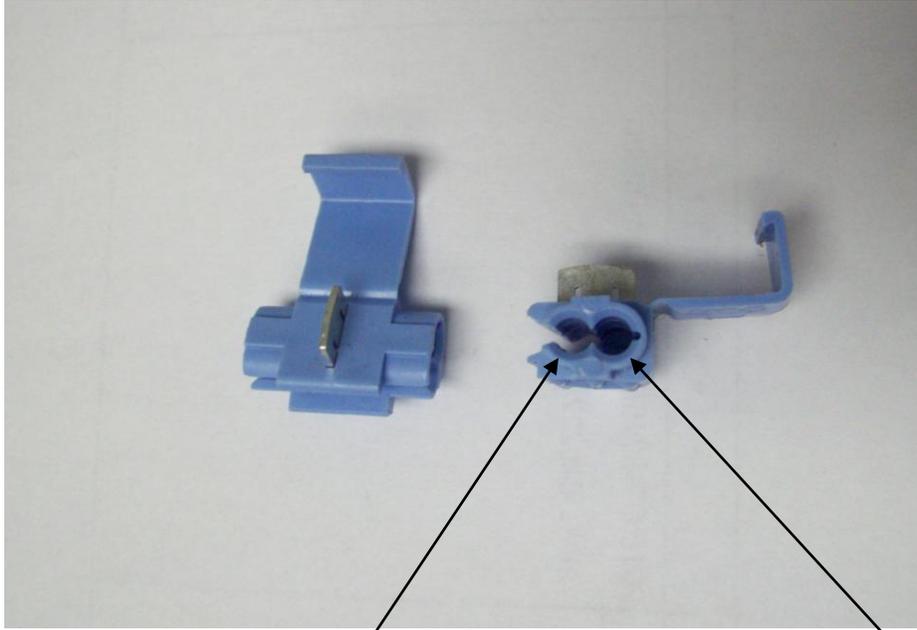
Install the running lights into the pre-drilled holes in the running light bracket using a Philips screwdriver. Be sure the screw is through the ring terminal on the back side of the lights. This will supply a ground to the lights. DO NOT OVER TIGHTEN



Use the left over brown wire and strip $\frac{1}{4}$ " of insulation from the end. Install a butt connector by crimping it onto the bare wire.



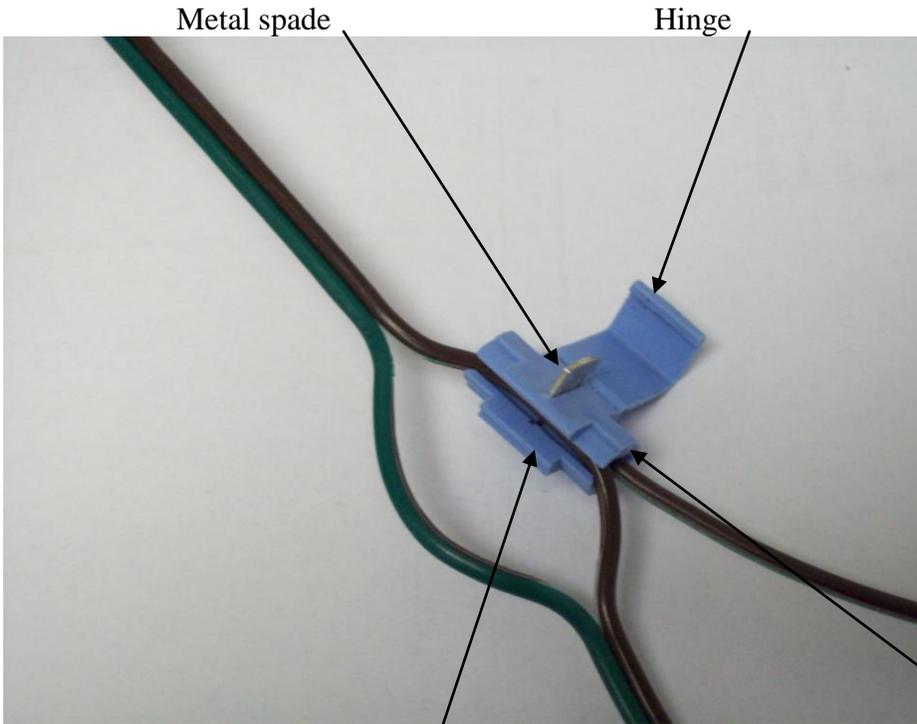
Take the brown wire from the running light and insert it into the butt connector and crimp it on.



Harness passes through open hole.

Cut wire goes into closed off hole.

Scotchlok connector

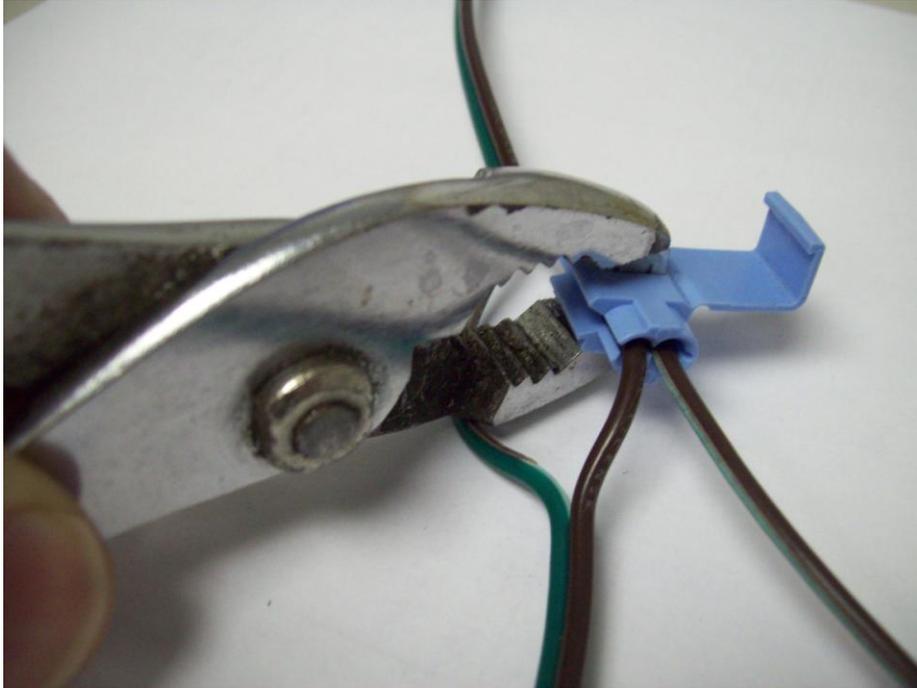


Metal spade

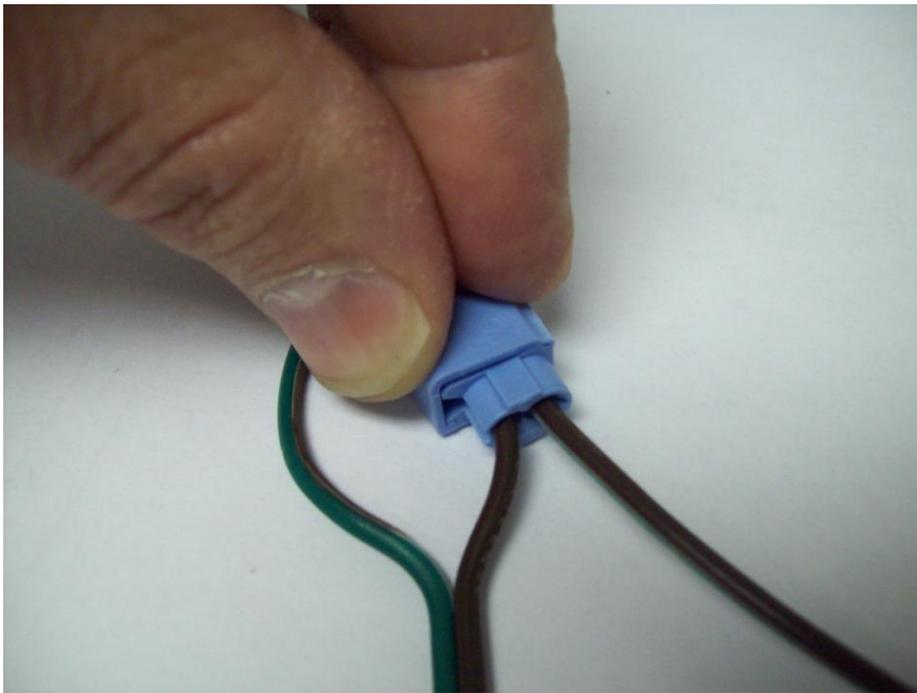
Hinge

Harness shown passing through open slot.

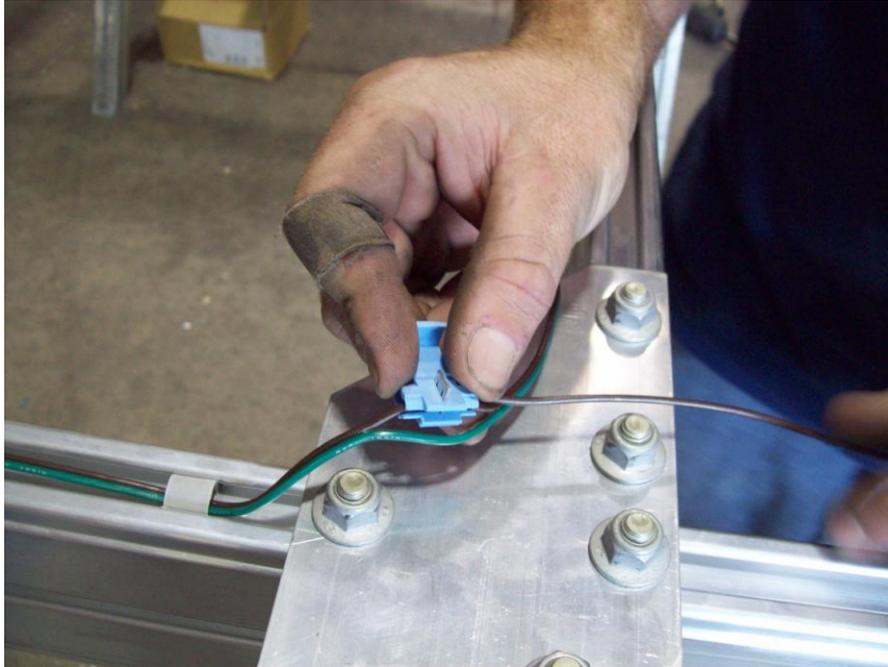
Cut wire from side light in closed section.



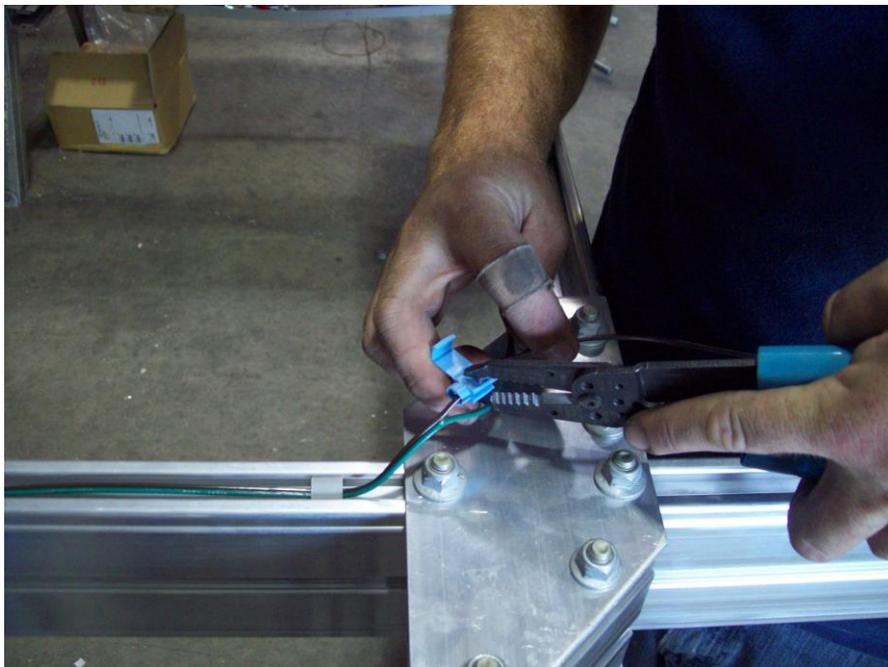
Use pliers to push the metal spade down until it is flush with plastic. This is what makes the electrical connection between the two wires.



Close the hinge cover on the connector, this finishes the process. This illustration is used in the next step for wiring the side marker lights.



Insert brown wire that has been cut into the hole in the connector closest to the hinge. This hole does not pass all the way through. The wire should go in about $\frac{1}{2}$ ". Pass the other wire through the remaining open slot in the connector.



Use pliers to push the metal spade down until it is flush with the plastic. This is what makes the electrical connection between the two wires. Close the plastic cover of the connector over the spade until it snaps into position.



Install the slotted angle brackets to the front and rear of the bunk boards as shown.



Slide one T-bolt on each side of the front and rear crossbar to mount the angle brackets.



WEB STRAP CLIP /

Install the bracket to the back side of the front and rear crossbar. Slide the web strap clips onto the rear crossbar as shown. Install one T-bolt on each side of both crossbars to mount the last bunk board brackets.



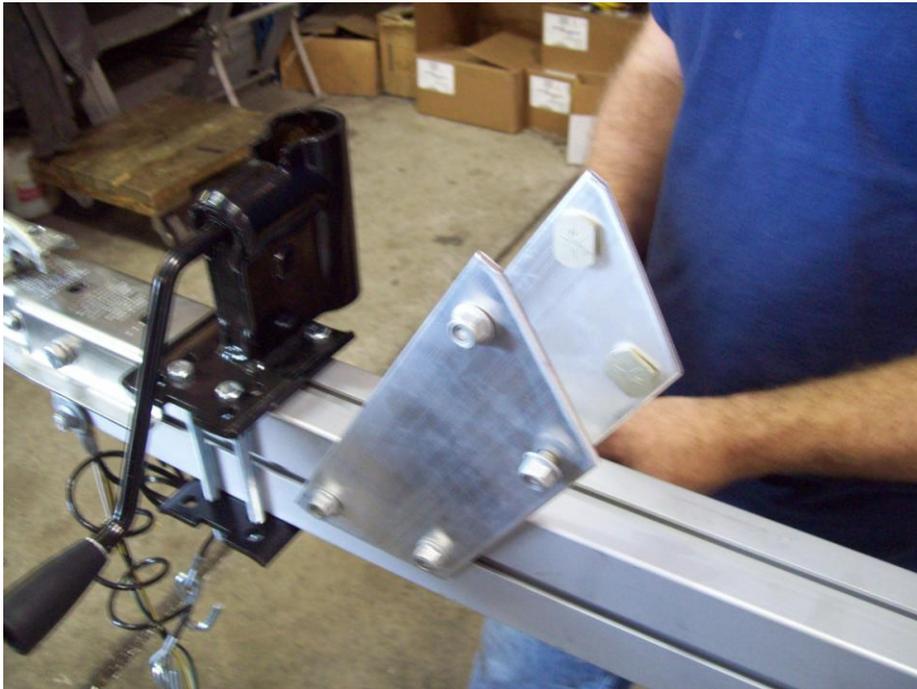
After you install the outside bunk boards go back and add the slotted angle brackets to front of each board as shown. Final adjustment will be made when boat is on the trailer.



Locate the transom bunk and install slotted angle bracket to it as shown.



Install both transom bunks on the rear crossbar and center them. Install slotted angle bracket and tighten nuts.



Shown with optional parking jack

Install the winch post diagonal angle braces on both sides of the tongue section as shown.



Install the bunk boards to the angle brackets of the winch post.



Now install winch post onto angle braces as shown. Once final placement has been determined tighten nuts on angle braces.



Tighten to 80 foot pounds in a crossing pattern. Re-tighten after 25 miles.

Finished Trailer



Trailer shown with optional parts installed.



KJM 11/10/10

