

SUT-200-AI

UNPACK AND IDENTIFY THE FOLLOWING PARTS.

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

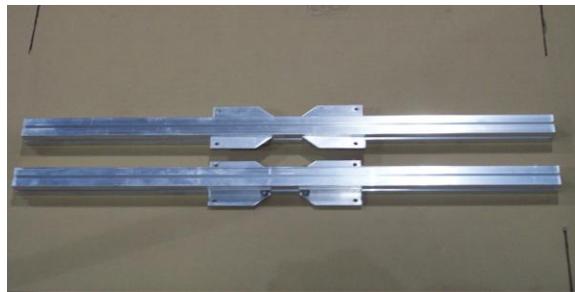
Incorrect assembly or modifications to your trailer will void any specific or implied warranty.

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

Axle assembly



Front and rear cradle holders.



Roll assembly, skid, tail light brackets, fender brackets.





Fenders, tires, light kit, wiring harness, running light bracket, fasteners.

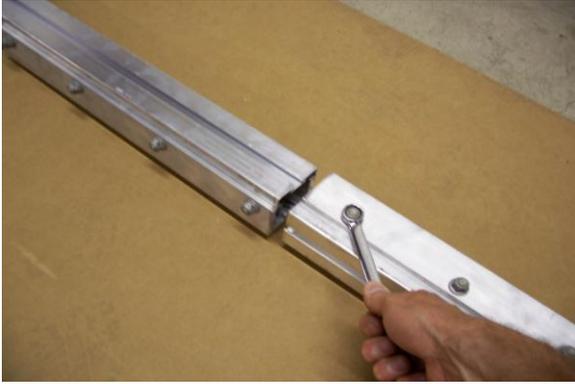


Tongue assembly.

Tongue assembly.



Unwrap the two tongue sections and lay them end to end with the splice plates adjacent to each other.



Loosen eight nuts on each splice plate.

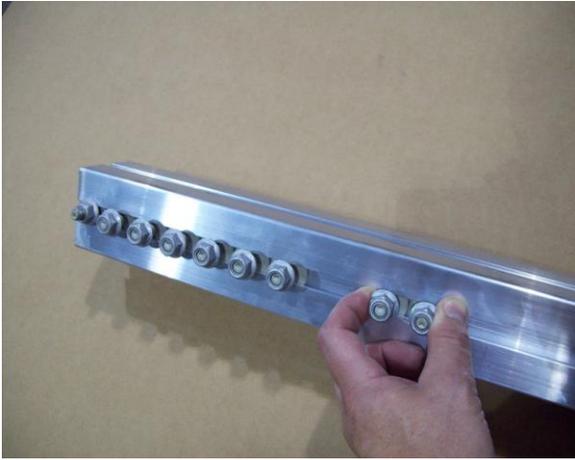


Slide the plate over the adjacent tongue section until the pencil mark at the center of the splice plate is aligned with the gap between the tongue sections.

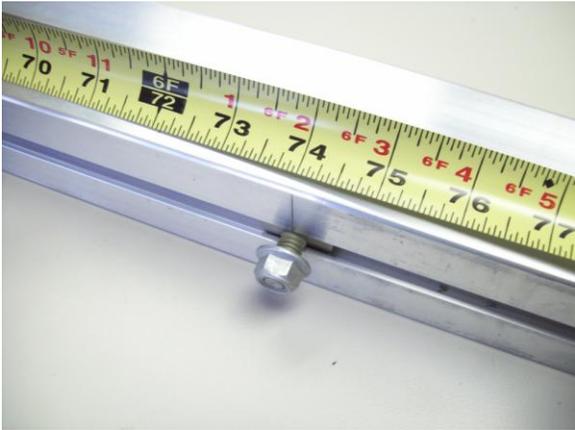


Slide the other splice plate onto the adjacent tongue section. Tighten all 16 nuts making sure that the tongue sections are as tight as possible to one another.

Front cradle bracket assembly



Loosen the two forward most T-bolts (two on each side) located at the end of the rear tongue section.



Slide them forward until they are near the pencil mark located 74" from the end of the rear tongue section then remove the four nuts.



Locate one of the cradle holders (front both the same).



Loosen the four nuts securing the mounting angles to the front cradle holder and rotate them downward into position.





Attach the cradle bracket to the tongue section aligning the angles with the pencil marks on either side of the tongue section. Align the angles with the pencil marks on the cradle holder. The cradle holder bracket should rest against the tongue splice plate as shown.

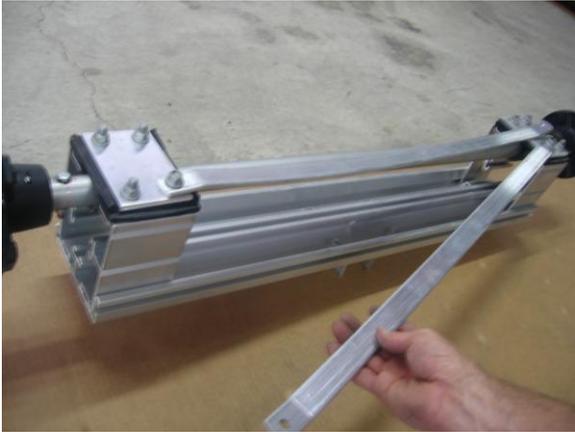
Axle assembly



Locate the axle assembly.



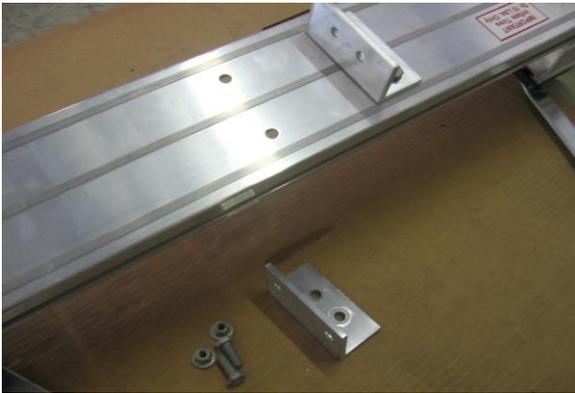
Remove the 1 1/8" T-bolt and rubber washer located on the tie rod end and set them aside for installation later.



Rotate both tie rods forward.



Turn the axle assembly over.



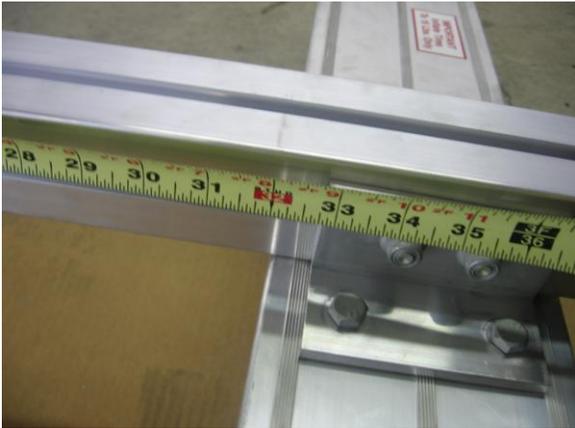
Remove one of the tongue-to cross member attaching angles.



Remove the nuts from the two forward most T-bolts located on either side at the end of the rear tongue section.



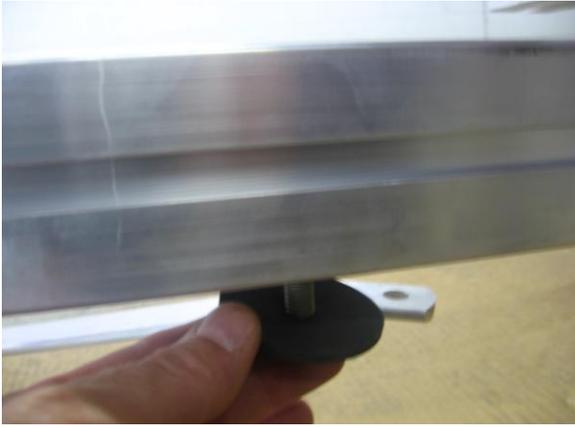
Re-install the cross member attaching angle that was removed previously.



Align the rear edge of the axle assembly with the pencil line on the bottom of the tongue section located at 32" from the rear.



Tighten all nuts.



Install the rubber washer that was removed previously onto the 1 1/8" T-bolt located in the bottom slot approximately 62" from the rear

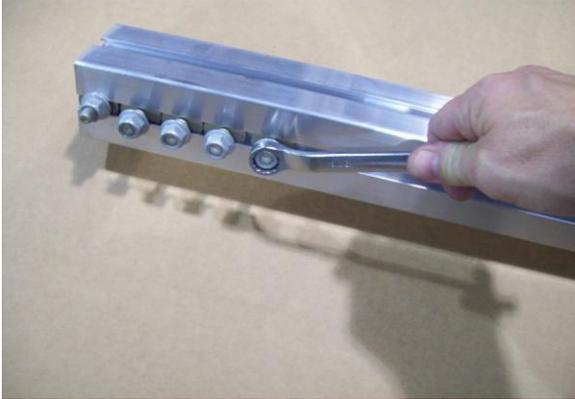


Install the forward ends of both tie rods to the 1 1/8" T-bolt.

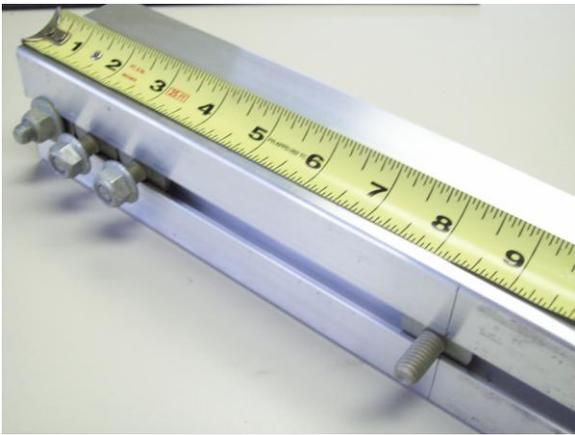


Important! Tighten nuts at both ends of the tie rods.

Rear cradle holder



Remove the nuts from the forward most bolts located on either side of the back of the rear tongue section.



Slide them forward to approximately 8 1/2" from the end of the rear tongue section.



Install the rear cradle holder 8 1/2" from the end of the rear tongue section. Final location will be determined later when the tail lights and rear roll are installed.

Tail light brackets, rear roll, and tail lights.



Remove the nuts from the forward most T-bolts located at the end of the rear tongue section.



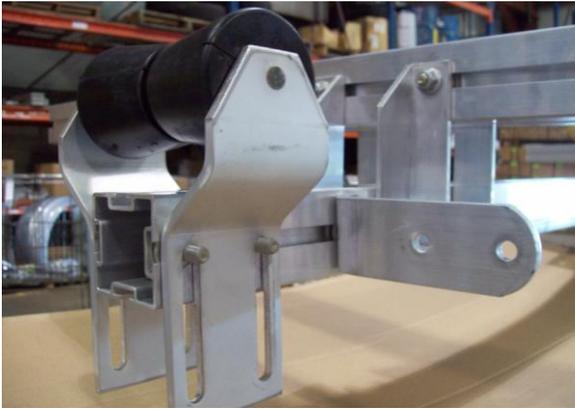
Install the tail light brackets loosely and slide them toward the front of the trailer - final location to be determined later.



Remove the remaining two nuts and bolts from both sides of the rear tongue section.



Install the bolts into the rear roll bracket with the threads facing outward.



Slide the bolts into the slots on the side of the rear tongue section.



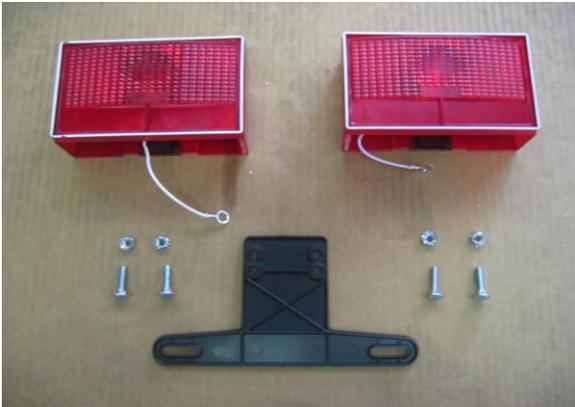
Install the nuts loosely.



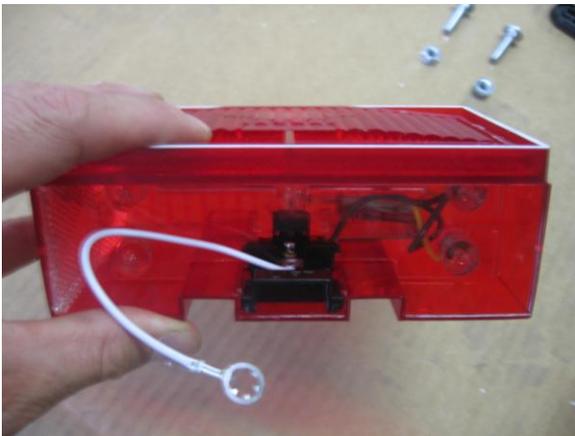
Angle the rear roll as shown and tighten all nuts.

NOTICE: The final position of this roller is such that it never touches the hull during transport – only during launch and retrieval.

Tail Lights



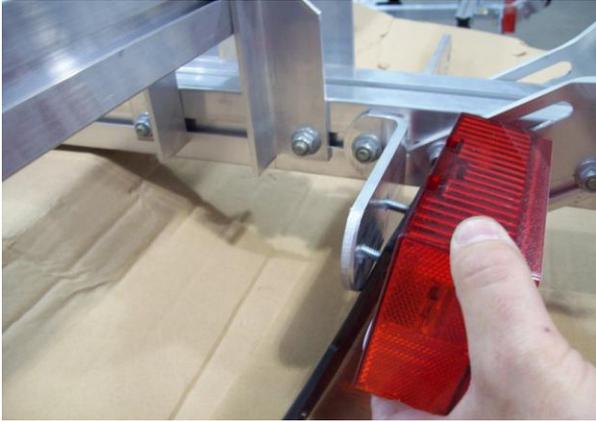
Locate the tail lights, carriage bolts, and nuts inside the light kit box.



The light with the yellow wires is for the left (driver's side) of the trailer.



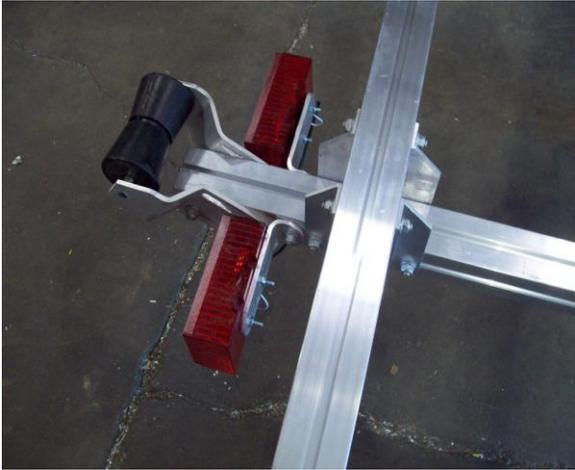
Slide the carriage bolts into the slots in the back of the tail lights.



Install the license plate bracket and left tail light onto the tail light bracket.

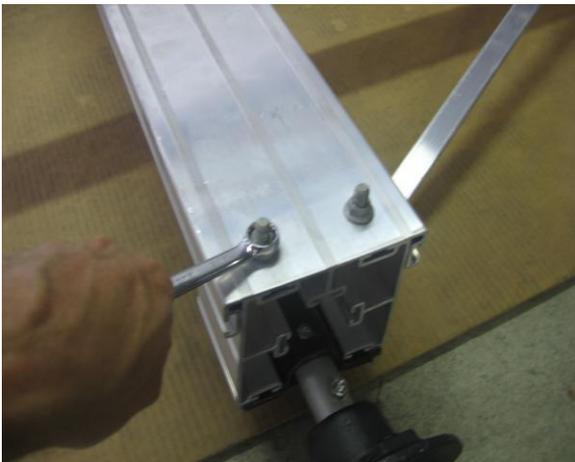


Install the white ground wire from the tail light onto the carriage bolt. Repeat this procedure to install the right tail light onto the right tail light bracket.

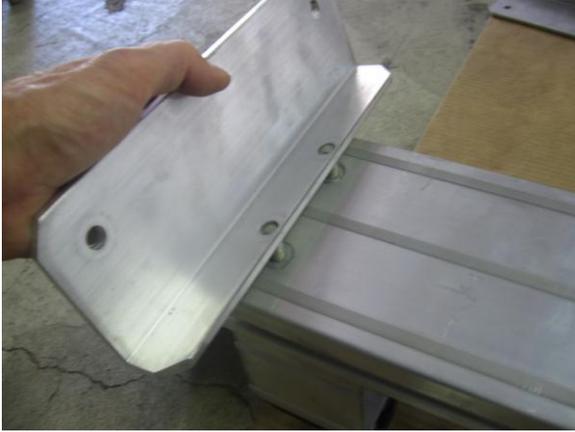


Loosen the tail light brackets, slide the tail lights to the rear as far as possible and slide the rear cradle holder assembly against the tail light brackets. Tighten all nuts.

Fenders



Remove the nuts from the top of the axle assembly.



Install the fender brackets onto the bolts.



Re-install the nuts.



Locate the 1" bolts (4), large rubber washers (8), large steel washers (4), and lock nuts (4).



Install the 1" bolts and (2) rubber washers as shown.



Install the fender as shown.





Install the remaining (2) rubber washers, (2) steel washers, and (2) lock nuts as shown. Repeat for the other fender.



Locate 8 lug nuts.



Install the wheels with the valve stems facing out. Install the lug nuts with the tapered side facing the wheel. Tighten to 80 foot pounds in a crossing pattern. Re-tighten after 25 miles.

Skid, running light bracket, running lights.



Locate the skid with two T-bolts attached.



Slide the rear of the skid into the bottom slot in the front tongue section. Do not install the front of the skid yet.



Locate the running light bracket with bolt and nut.



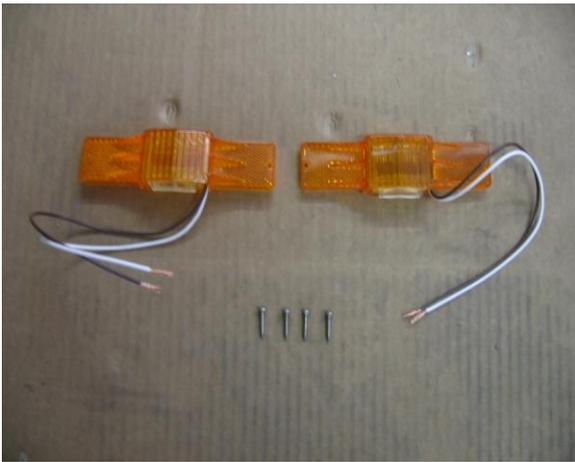
Slide the running light bracket into the bottom slot in the front tongue section.



Slide the front of the skid into the bottom slot in the front tongue section.



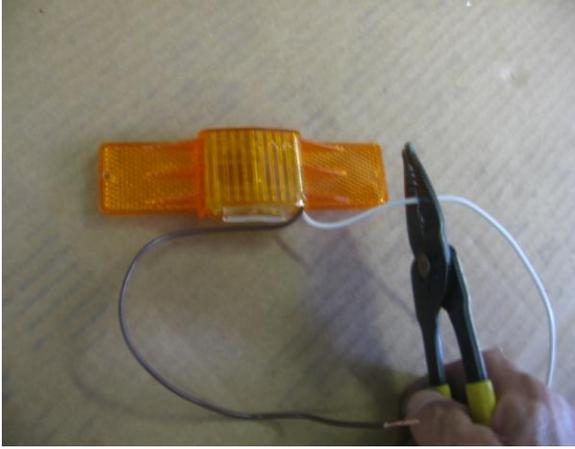
Tighten the nuts for the skid and running light bracket in the location shown.



Locate the two amber running lights and four small Philips screws.



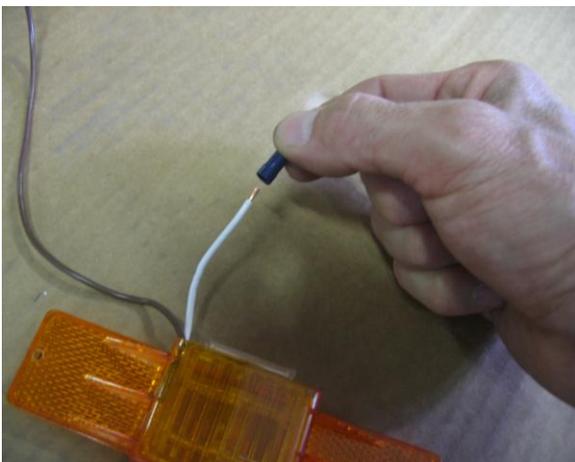
Locate the two ring terminals.

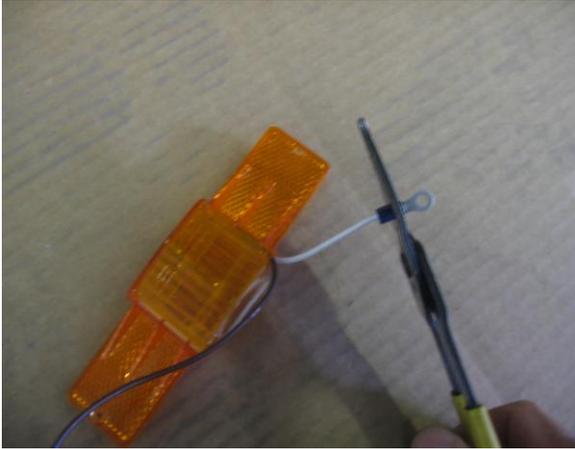


Cut approximately 8 ½” off of the white wires on both running lights.

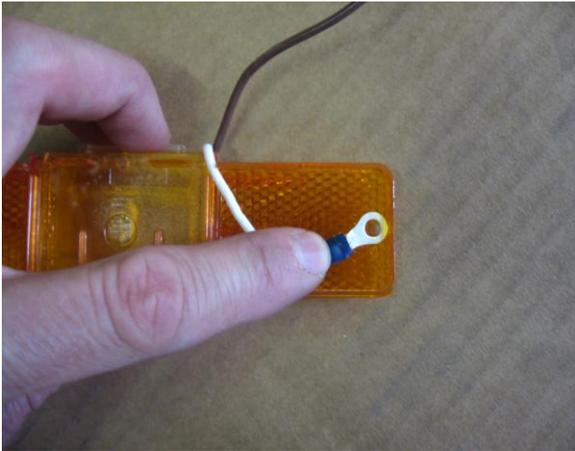


Strip ¼” of insulation from the wire.





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. DO NOT OVER TIGHTEN.



At this point there should be just 2 brown wires exiting the running lights.

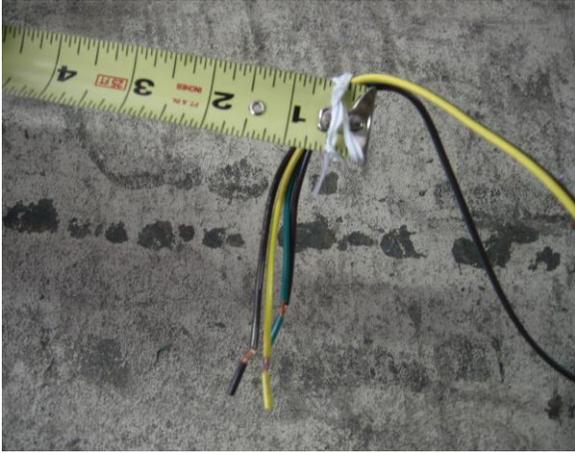
Wiring



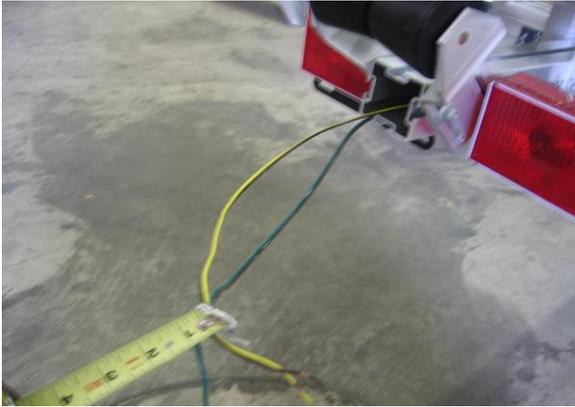
Locate the wire harness.



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 using the ties provided with the harness.



Retract the tape measure until it comes out of the back of the tongue with both wires attached.



Pull the excess wire out of the back of the tongue section leaving approximately 18" of harness exposed at the front.



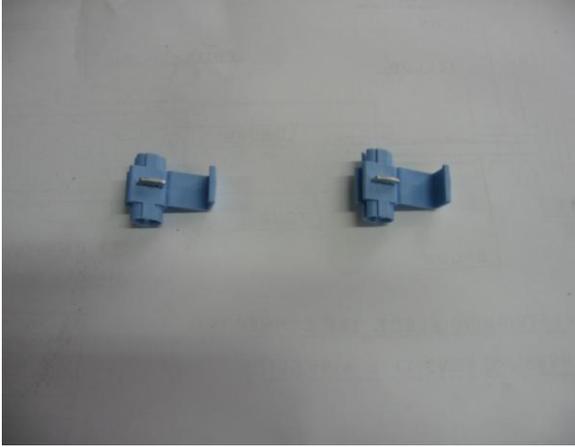
Cut the white ground wire at the front of the trailer leaving it 22" long. Strip the wire and install a ring terminal as previously described.



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



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



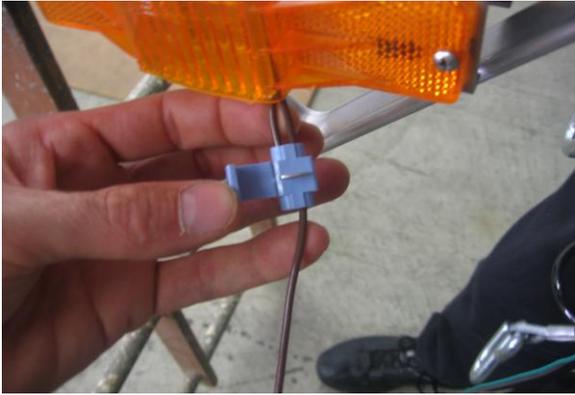
Locate the light blue tap connectors. Notice that one hole passes through and the other does not.



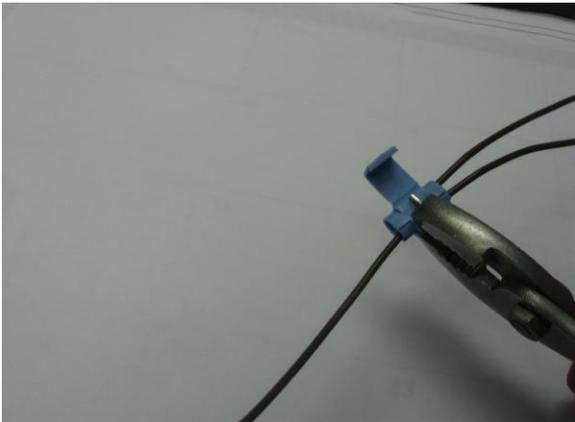
Cut 6" off of the brown wire on the left (driver's side) running light.
Do not strip the wire.



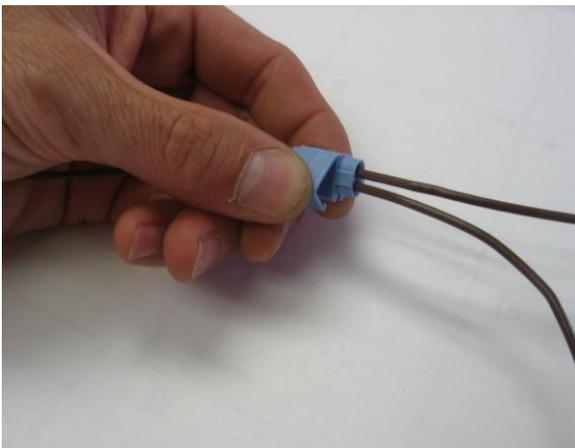
Insert the brown wire from the left (driver's side) running light into the hole in the connector closest to the hinge. This hole does not pass all the way through. The wire should go in about $\frac{1}{2}$ ".



Pass the brown wire from the other running light through the remaining open slot in the connector at a point close to the running lights.



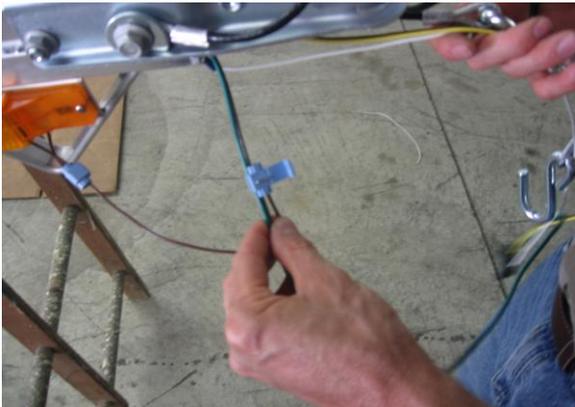
(Illustration) Use pliers to push the metal spade down until it is flush with the plastic. This is what makes the electrical connection between the two wires.



(Illustration) Close the cover on the connector.



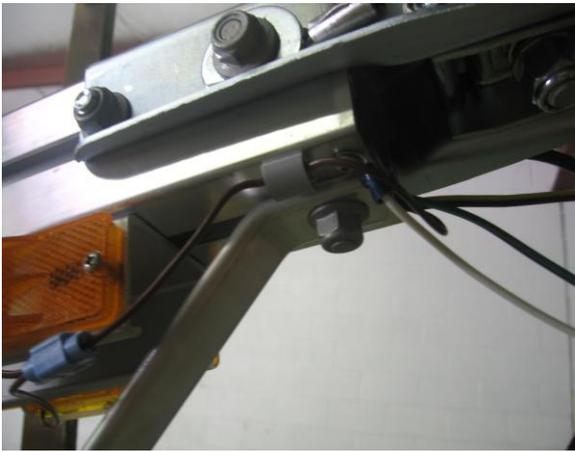
Cut the exposed strands of wire off of the end of the brown wire on the right (passenger side) running light.



Measure 22" back from the front plug on the green/brown wire and pass the brown wire through the open slot in the second light blue connector at this location. The green wire will rest just outside the connector. Insert the brown wire from the running lights into the closed side of the connector and close the spade and cover as previously described. This will make the connection from the main harness to the running lights.



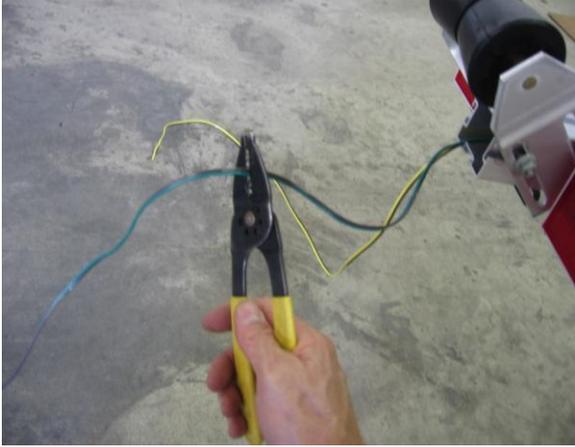
Locate an adhesive backed clamp.



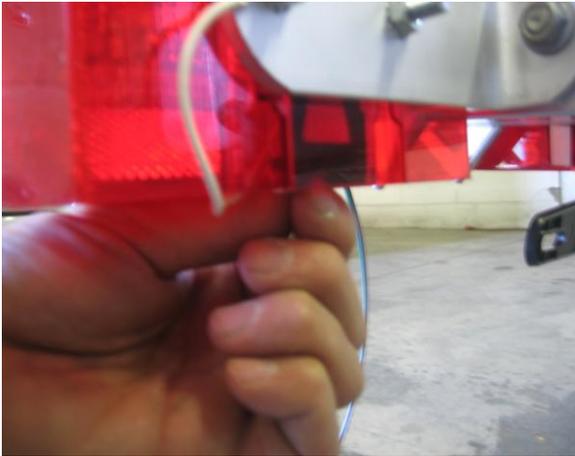
Install it as shown and run the brown wire from the running lights through it.



Pull the two wires at the back of the trailer through the tongue until there is approximately 18" protruding from the front.



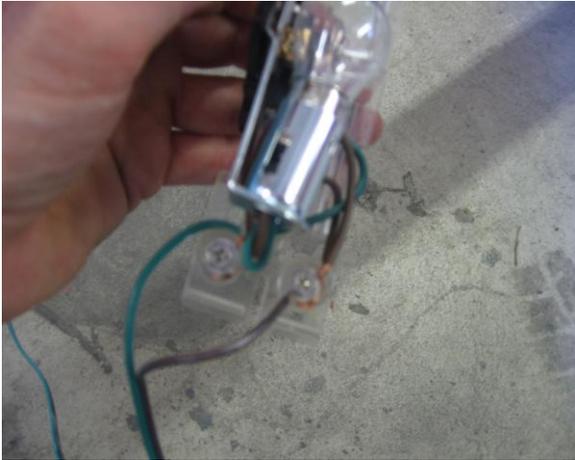
Cut the excess wire at the rear of the trailer leaving 12” exposed.



Locate the black tab at the bottom of the right (passenger side) tail light.



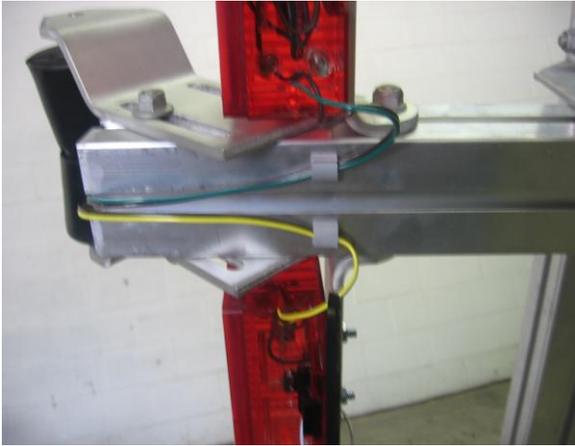
Move the tab toward the rear of the trailer and pull down releasing the bulb assembly from the light housing.



Loosen the wire retaining screws and install the color matching wires from the wire harness onto the corresponding retaining screws.



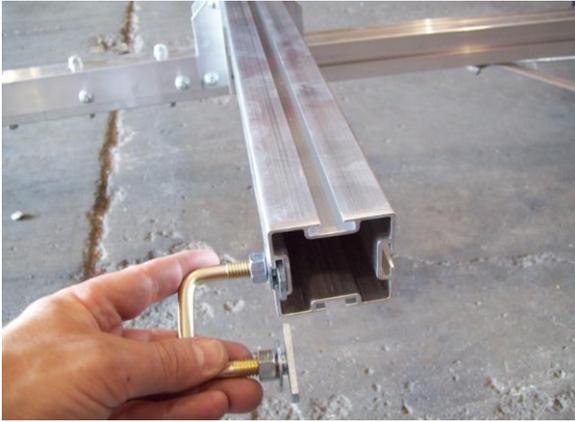
Re-install the bulb assembly into the light housing making sure to route the wires through the slot in the base of the bulb assembly. Repeat for the left side.



Install adhesive backed clamps in the locations shown and route the wires through them.



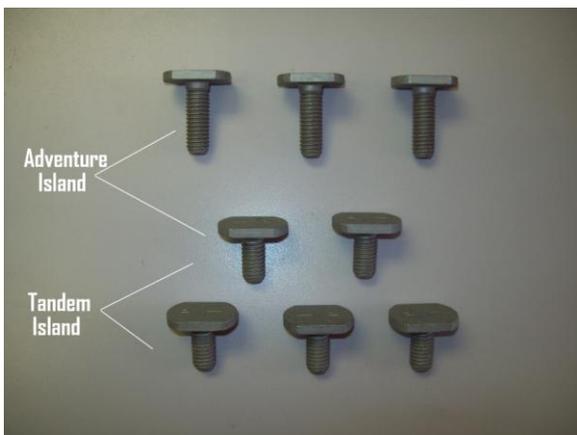
Locate the four web strap clips.



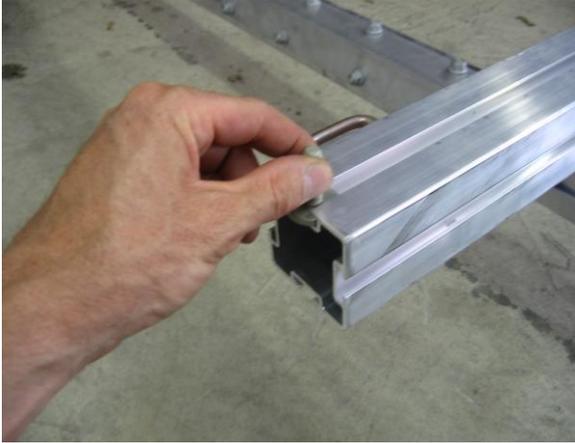
Install 2 clips in the front slot on the front cradle holder.



Tighten the nuts. Repeat by installing 2 clips in the rear slot of the rear cradle bracket.



Locate the (3) 1 1/8" and (2) 3/4" T-bolts (used for Adventure Island).
Locate the (5) 3/4" T-bolts (used for Tandem Island).



Install (2) 1 1/8" T-bolts into the top slot of the front cradle holder and (1) 1 1/8" T-bolt into the top slot of the rear cradle holder.



Slide the 1 1/8" T-bolt in the rear cradle holder to the center of the trailer.



Slide the 3/4" T-bolts on either side of the 1 1/8" T-bolt.
At this point you should refer to the Hobie Cat instructions for installation of the cradles.

Finished trailer





KJM5/10