

If you have purchased the UKT4 or UKT6 trailer and at a later date you wish to transport larger canoes. A kit is available to convert your existing trailer to the larger trailer. Also the trailer kit you have just purchased whether it be the UKT4 or UCT6 trailer can be converted to several other modes with the purchase of conversion kits. Kits available includes PWC, dirt bike, bicycles, motorcycles, cargo, fishing boat, and utility for further information please call 800-397-3819.

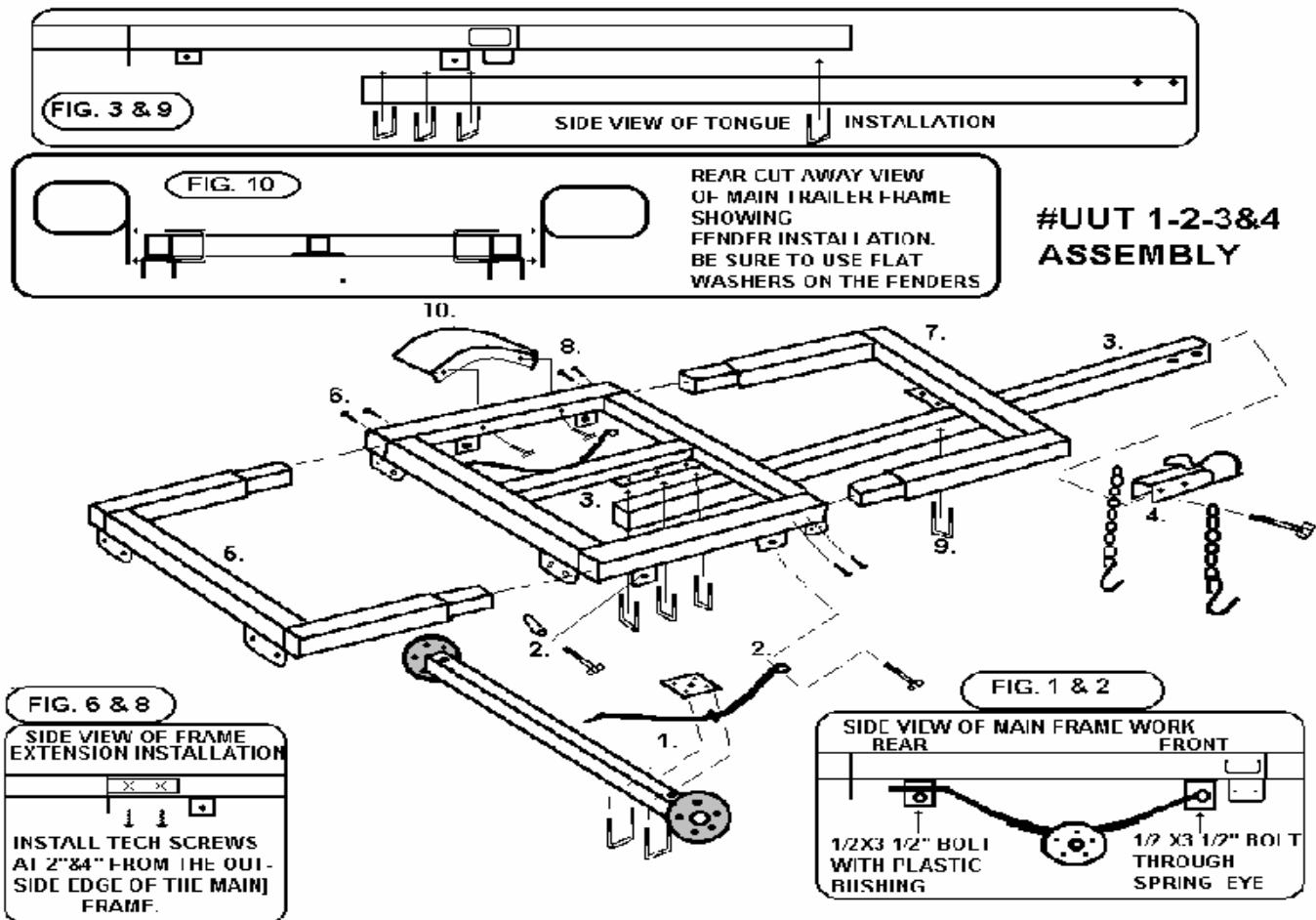
**MAINTENANCE BEFORE ROAD TRAVEL**

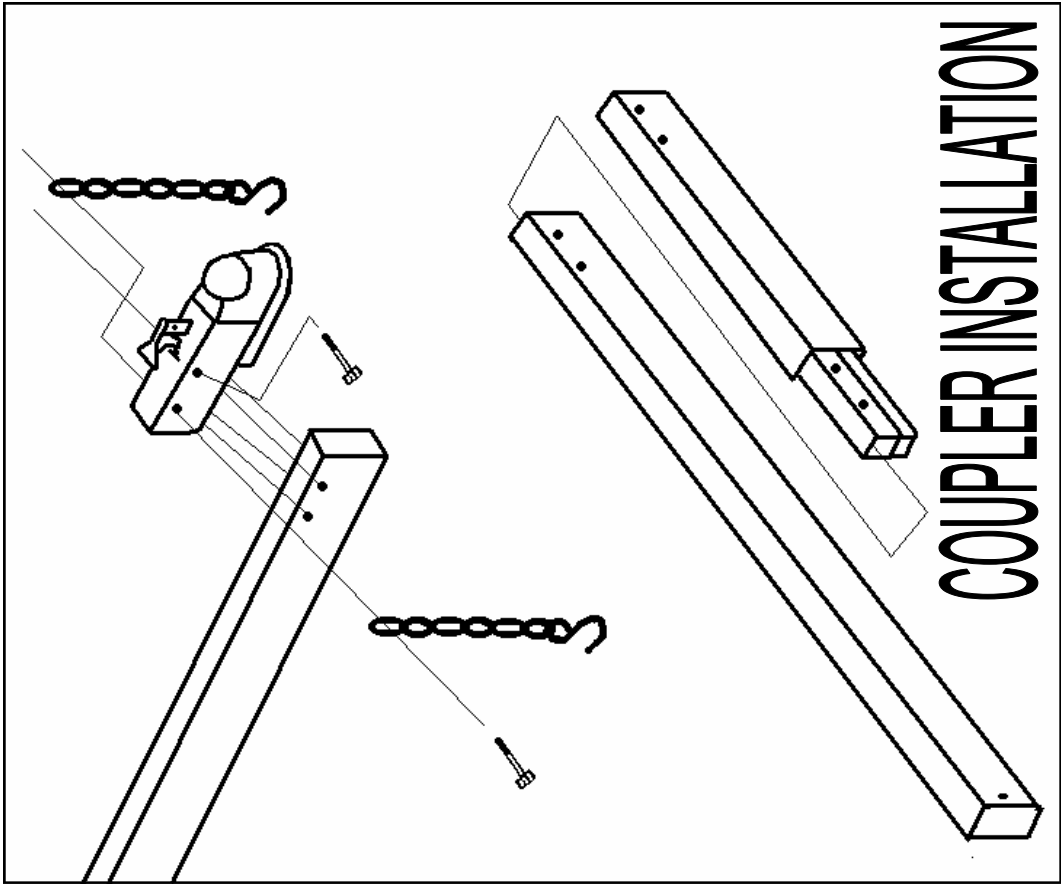
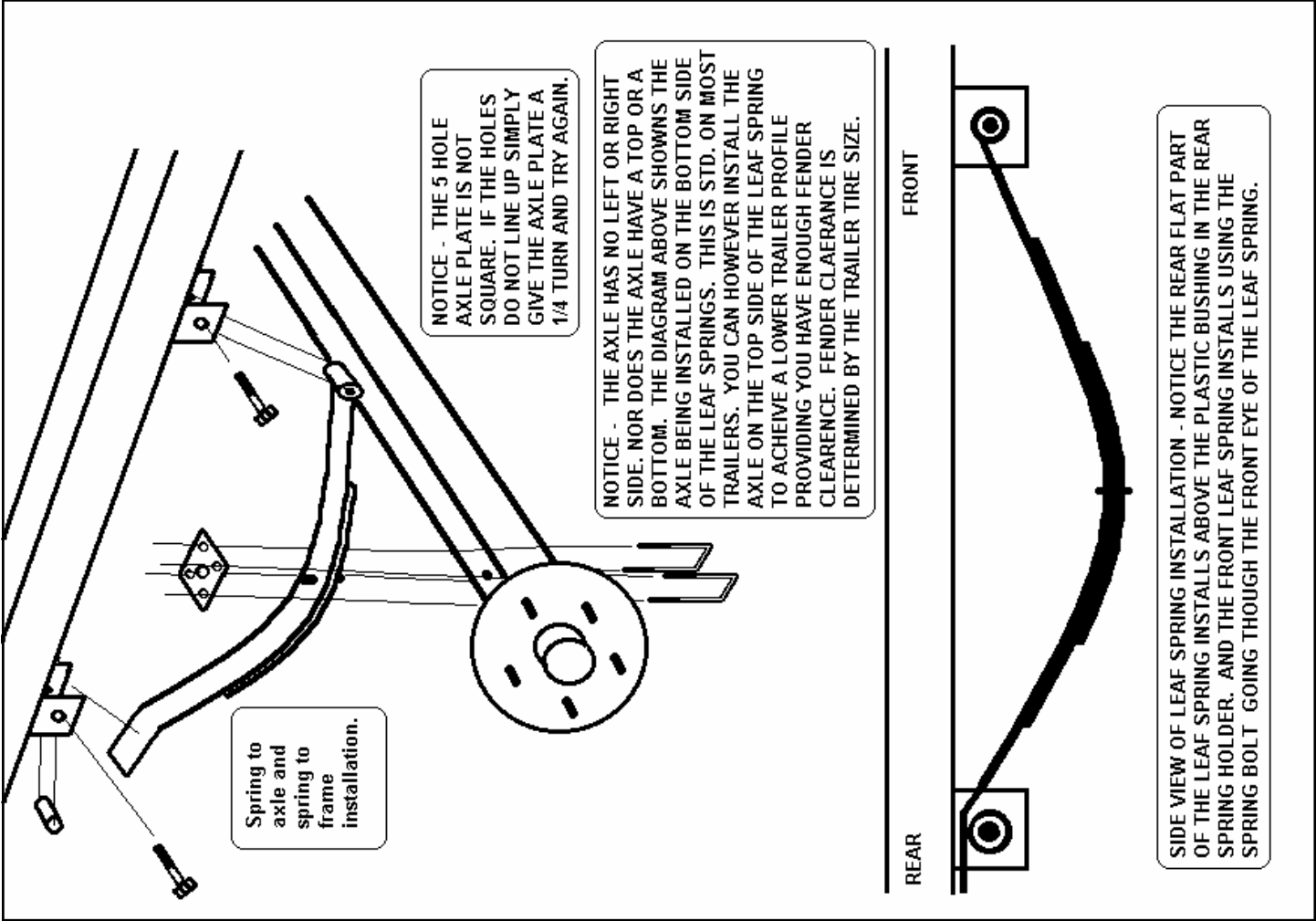
- \* INSPECT TRAILER FOR LOOSE FASTENERS
- \* CHECK TIRE PRESSURE
- \* CHECK TAILLAMPS AND SIDE MARKERS
- \* CHECK LUG NUTS
- \*CHECK COUPLER LATCH
- \* CHECK SAFETY CHAINS

**YEARLY MAINTENANCE**

- \* CHECK BEARING GREASE
- \* CHECK LEAF SPRINGS FOR CRACKS
- \* CHECK TIRE TREAD AND SIDE WALLS
- \* CHECK FOR COUPLER WEAR.

# ASSEMBLY INSTRUCTION UKT4-UKT6-UCT4-UCT6





**STEP#1** Lay the leaf springs on top of the axle. Make sure the axle tube is positioned with the side with the holes facing upward. Insert the center bolt of the leaf spring in the holes at each end of the axle. Now use the 2 pieces of 5 hole plates along with 4 pieces of 1 1/2"x4"x3/8" u-bolts to secure the spring to the axle. The bolts will go around the axle and beside the leaf springs and up through the plate. Notice the 5 hole axle plates are not square. If the holes do not lineup simply give the plate a quarter turn and try again. Secure the u-bolts with the 3/8" flat washers and 3/8" locknuts. (\*\*If you have the torsion axle, refer to last page of instructions\*\*)

**STEP#2** Secure the 2 pieces of PVC pipe in the rear spring holders of the frame. Use 2 pieces of 1/2"x3 1/2" hex head bolt to secure them. Insert the flat rear portion of the leaf spring into the rear spring holders between the fender and the plastic spring bushing. Use the remaining 1/2"x3 1/2" hex head bolts to secure the front spring eyes into the front spring holder brackets. Secure with 1/2" locknuts.

**STEP#3** Lay the trailer tongue under the main frame work.. Notice the tongue has 2 holes at the front end and a welded-on slug in the rear. Line up the tongue with the center bar of the main framework. Use the 3 pieces of 2"x4"x3/8" u-bolts (\* **Note: Use the 3 pcs of 3"x4"x7/16" ubolts if you have an aluminum trailer, for this step\***) and 3/8" (\* **7/16" locknuts for aluminum trailer\***) locknuts to secure the tongue to the center plate of the trailer framework. The tongue can be adjusted fore or aft as needed. For the canoe and kayak trailers we suggest extending the tongue to the full length: however, if the watercraft you are transporting does not require the full length you may want to shorten up the tongue length.

#### **STEP#3b UCT4 and UCT6 Trailer Assembly Only**

If your trailer comes supplied with a tongue extension, install it to the front of the trailer tongue. Simply insert the end of the tongue extension into the tongue. The tongue extension is secured with 7/16"x3" hex head bolt and locknuts. Do not install the bolts at this time. The inside of the tubing must be left open until the wiring harness from the light kit has been installed. After you have installed the light kit you may install and secure the 7/16" bolts on the tongue extension. Next attach the coupler and safety chains to the front of the tongue extension. (the tongue extension can be purchased as an option for the UKT4 and UKT6 trailers but it does not come standard.

**STEP#4** Install the trailer coupler to the end of the 8 ft tongue section (UKT4 - UKT6 models) or to the end of the tongue extension. Use 1 piece of 7/16"x3" hex head bolts and one piece of 7/16"x3 1/2" hex head bolts to fasten the coupler to the trailer tongue or tongue extension. Before securing with the 7/16" locknuts, slide the safety chains on to the longer of the bolts. One safety chain on each side of the coupler. Now secure the bolts with 7/16" locknuts

#### **STEPS #5 - 9 UCT4 and UCT6 Trailer Assembly Only**

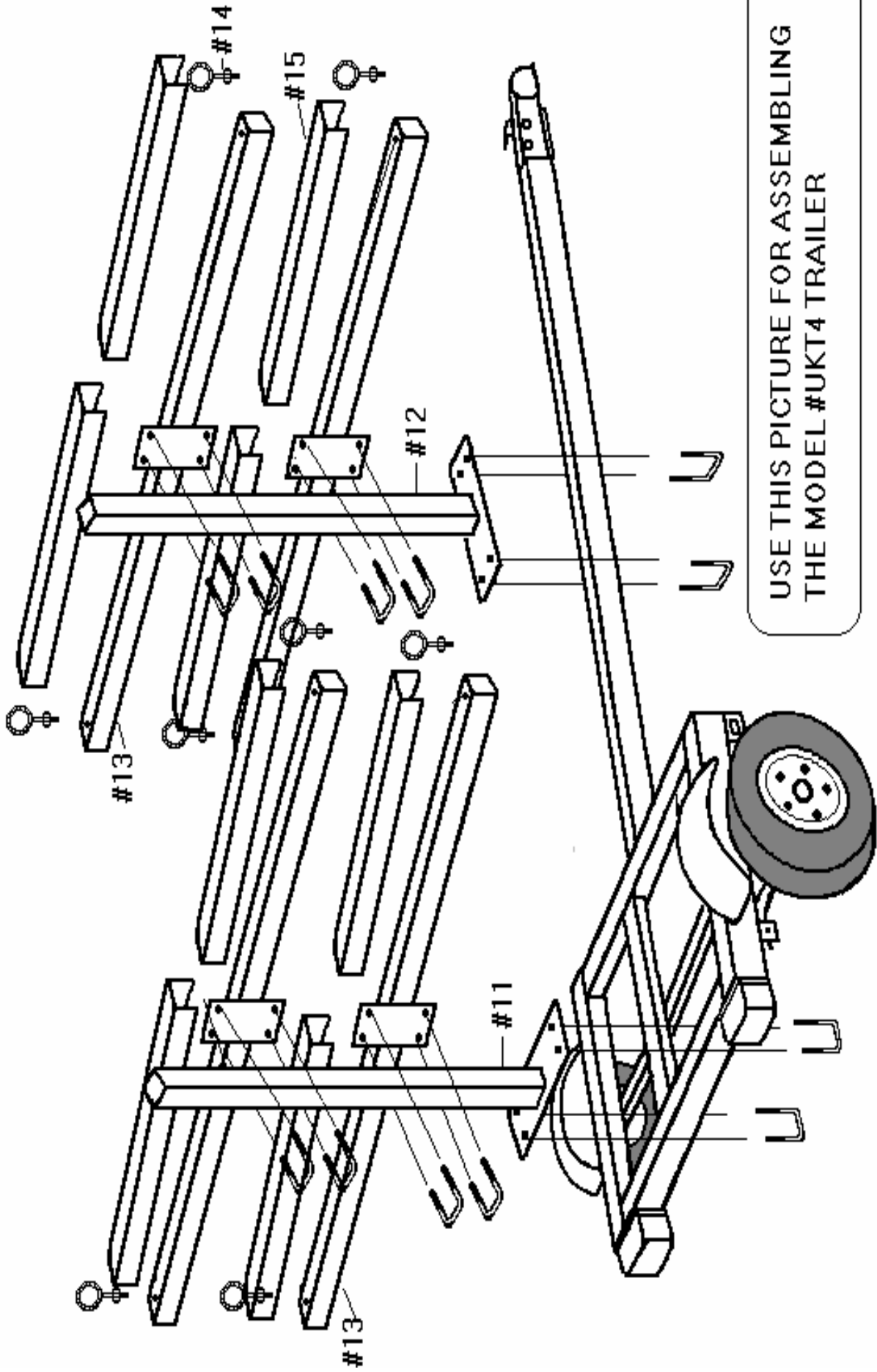
The rear frame extension is the u-shaped piece that has the welded on rear lamp brackets. Slightly spread the frame extension tubes apart and slide the narrow end into the rear of the main frame section. Use 4 pieces of the 1/4"x1" tek screws to secure the rear frame extension. Simply install the screws into the rear side of the tube of the frame extension. Use 2 screws per side. Refer to the drawing on page 2 for the approximate location of the screws. You will need a nut driver to install these screws. The tek screws are self drilling and self tapping so there is no need to drill pilot holes. Make sure to penetrate into the underlying tubing of the frame extension.

The front frame extension is the u-shaped piece with the plate welded in the center. Install the front frame extension in the same manner as the rear frame extension. Use the 2"x4"x3/8" u-bolt to secure the tongue to the front frame extension. Slide the bolt around the tongue from the bottom and up through the holes in the plate welded to the center of the front frame extension. Secure the u-bolt with 3/8" locknuts.

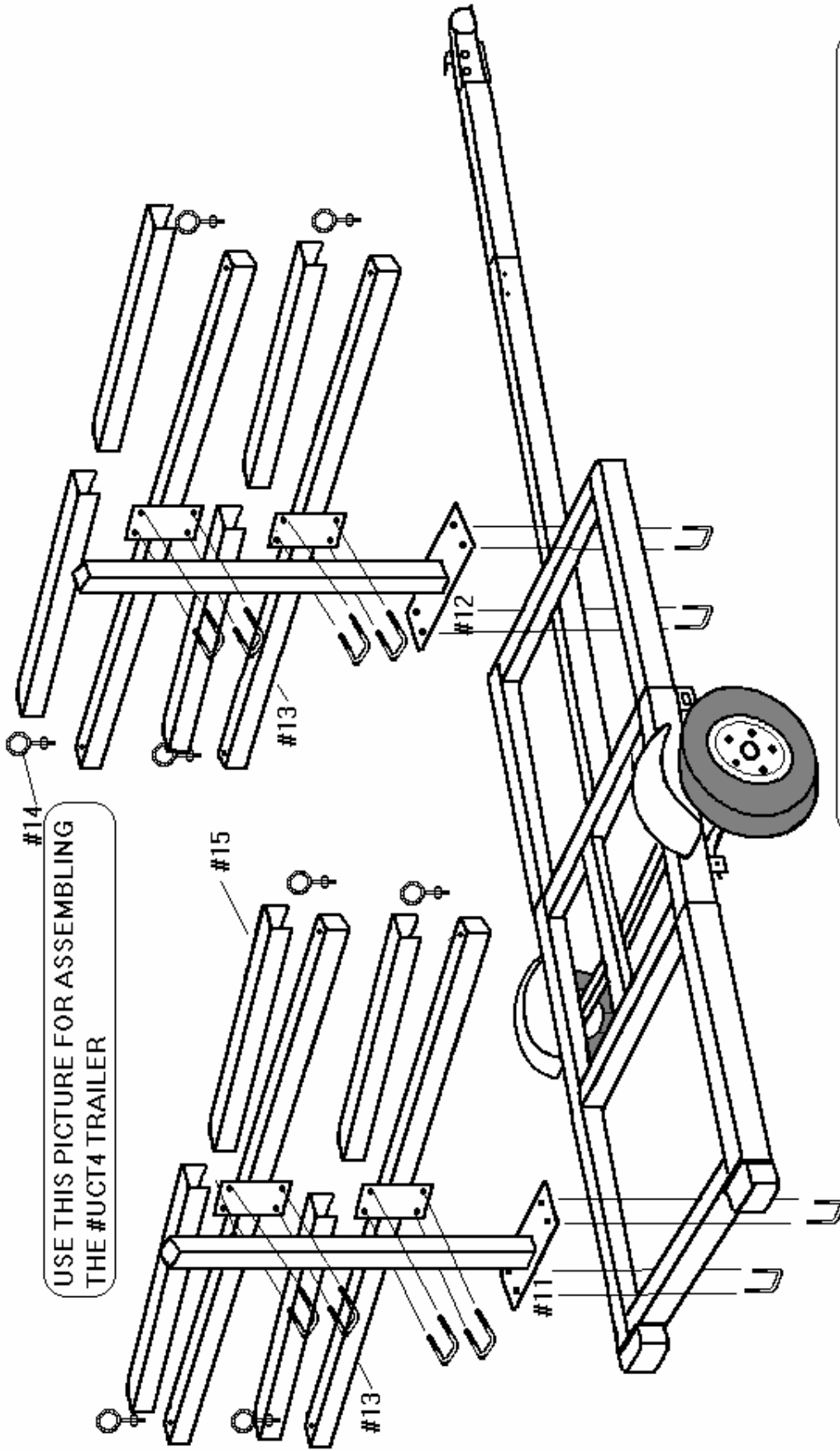
**STEP# 10** Mount the fender to the outside of the main framework. Use the 4 pieces of 3"x3/8" bolts to fasten the fender to the trailer framework. Center the fenders between the spring holders. Insert the bolts through the tubing of the frame and through the fenders. Secure with the 3/8" locknuts and flat washers. Make sure to do this before mounting the tires.

**STEP# 11** To install the 60" upright for the UKT4 and UKT6 trailers refer to the diagram on the page 5. To install the upright to the UCT4 and UCT6 trailers refer to the diagram on page 6. Use the 2 piece of 2"x3"x3/8" u-bolts to fasten the upright to the rear cross member. Slide the u-bolt around the tubing from the bottom and come up through the plate on the bottom of the upright. Secure in place with the 3/8" locknuts.

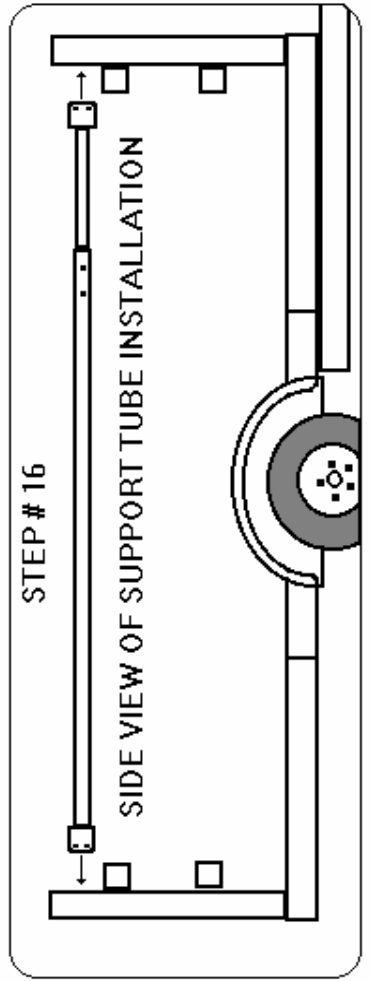
**STEP#12** To install the front vertical upright to the UKT4 and UKT6 trailer refer to the drawing on page 5. To install the front vertical upright to the UCT4 and UCT6 trailer refer to the diagram page 6. On the kayak trailer the front upright mounts directly to the trailer tongue. Using the kayaks you are going to transport as a gauge, position the front upright on the trailer tongue to best fit the length of your kayaks. Position the upright so that there will be no more than 3 feet of watercraft extending past the rear of the trailer frame. Now using the 2 pieces of 2"x4"x3/8" (\* **Note: Use the 3"x4"x7/16" ubolts if you have an aluminum trailer\***) u-bolts to fasten the upright to the trailer tongue and secure with the 3/8" locknuts. To install the front upright to the UCT4 and UCT6 trailer simply mount the upright to the center of the front cross member of the trailer's front frame extension. Fasten with 2"x3"x3/8" u-bolts and secure with 3/8" locknuts.



USE THIS PICTURE FOR ASSEMBLING  
THE MODEL #UKT4 TRAILER



USE THIS PICTURE FOR ASSEMBLING THE #UCT4 TRAILER



**STEP# 13** Install the 4 pieces of cross arms to the trailer uprights. Two cross arms per upright. On both trailer use the watercraft you will be transporting as a gauge for the distance between the cross arms. Make sure to allow enough distance between the cross arms so that you can load and unload the watercraft easily. Fasten the cross members in place using the 2"x3"x3/8" u-bolts. Slide the u-bolt around the upright and through the plate in the center of the cross arms. Secure with 3/8" locknuts. Make sure to mount the cross arms so that the holes on each end of the tubing are facing up.

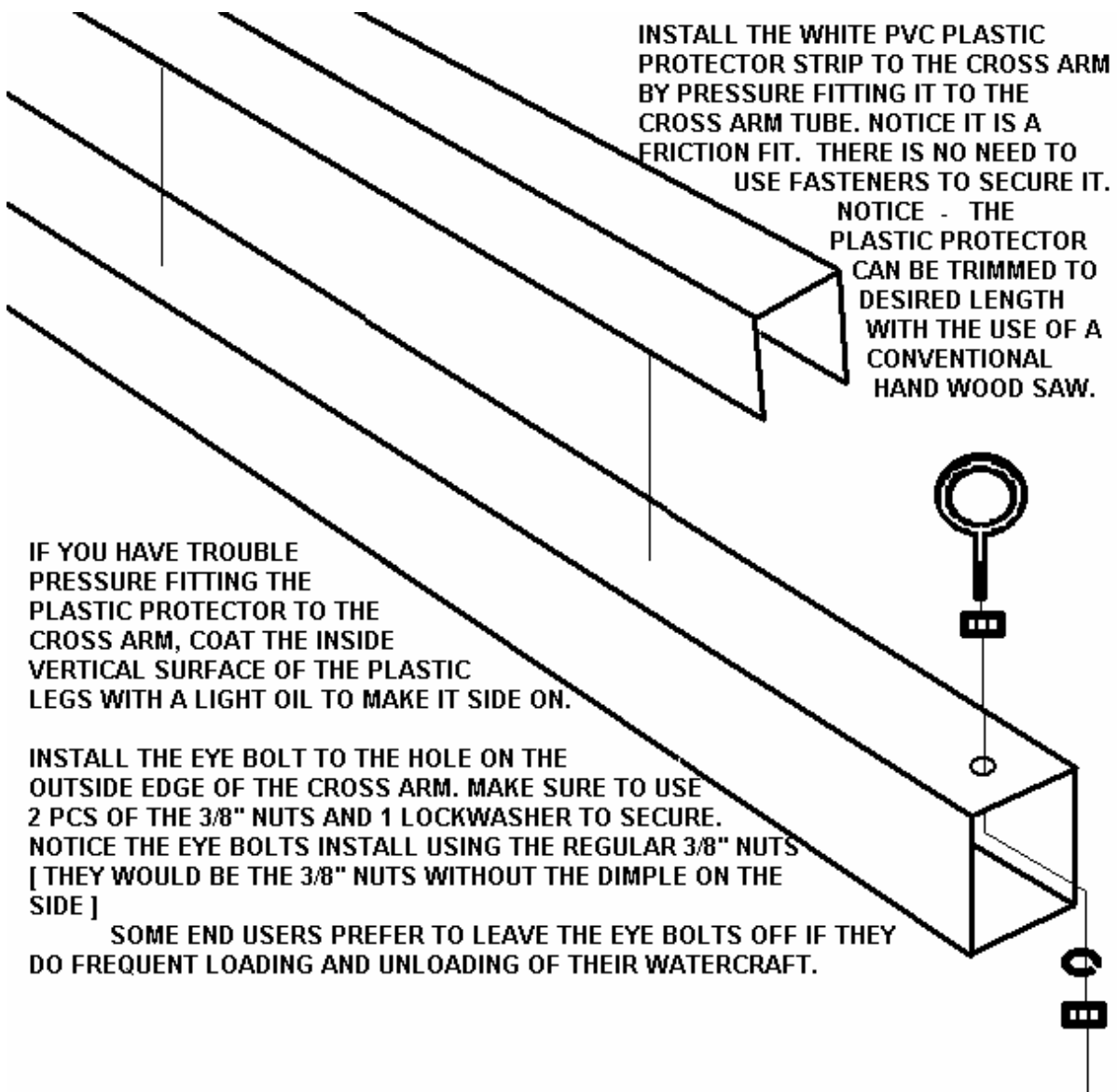
**STEP#14** Install the 8 pieces of 3/8" eyebolts to the ends of the cross arms. Mount the eyebolt in the holes at the ends of the cross arms. You will need 2 regular 3/8" nuts (not locknuts) per eyebolt. One nut goes on the inside of the tubing and one on the outside of the tubing. Tighten very firmly since they are not locking nut.

**STEP#15** The PVC u-channels provided in the kit are to serve as a protector against the metal on metal contact you will get from aluminum canoes and kayaks. The u-channels slide over the top side of the cross arms. If you have trouble installing the u-channels, use some petroleum jelly as a lubricant or warm the PVC channels in hot water to make them pliable.

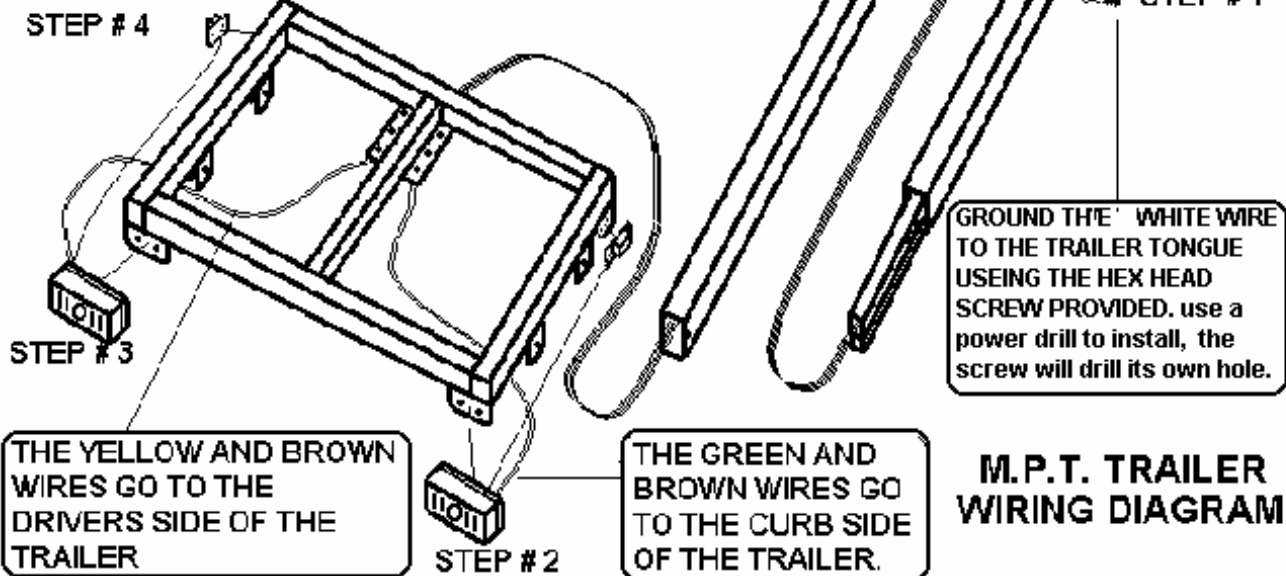
**STEP# 16 UCT4 and UCT6 Trailer Assembly Only**

The support tube is able to telescope in and out. Mount the support tube between the front and rear uprights. The u-brackets at the end of the support tube simply clamp around the uprights and are held in place by 4 pieces of 3/8"x3" hex head bolts. After tightening the u-brackets to the front and rear uprights, you should apply pressure to both uprights, forcing them toward each other and then tighten the set screw in the middle of the support tube.

**STEP #17** Install the black cap plugs to the open ends of the tubing.



USE A RIDGID SECTION OF WIRE WITH A HOOK ON THE END TO PULL THE WIRE HARNESS THROUGH THE TRAILER TONGUE. OR IT ALSO WORKS WELL TO TAPE THE PLUG END OF THE HARNESS TO THE END OF A TAPE MEASURE AND AGAIN PULL THE WIRE THROUGH THE TONGUE.



**STEP #1** Insert the plug end of the wire harness through the rear of the 8 ft tongue section. If your trailer is equipped with a 2 -4- or 6 foot tongue extender continue the wire on through the square hole in the rear of the tongue extender and out the front of of the extension. Once you have the wire through the tongue or the extender leave 1 1/2 feet of extra wire hanging out from the end of the tongue or extender. Next use the hex headed screw provided to fasten the white wire to the side of the trailer tongue about 1 inch behind the coupler.

**STEP#2** Fasten the red light with the brown and green wires to the rear right corner of the trailer frame. [ rear right when standing behind the trailer]

**STEP#3** Repeat step number 2 for the red light with the yellow and brown wires on the left side of the trailer [ left while standing behind the trailer]

**STEP # 4** Fasten the orange side marker lights to the welded on bracket on the front corners of the trailer frame. this is the same for both sides of the trailer.

SECURE THE LIGHTS TO THE TRAILER FRAME USING THE BOLTS PROVIDED IN THE LIGHT KIT BAG. USE THE 1/4" ROUND HEAD BOLTS TO SECURE THE RED LAMPS. NOTICE THE ROUND HEAD OF THE BOLT SLIDES INTO THE CHANNEL ON THE REAR OF THE RED LAMP FIXTURE. THE SMALL #8 ROUND HEAD SLOT BOLTS SECURE THE ORANGE SIDE MARKER LIGHTS. YOU MAY NEED TO SCRATCH THE WHITE FINISH OF THE TRAILER FRAME DOWN TO BARE METAL WHERE THE LIGHT ATTACH SO THE LIGHT GROUND PROPERLY TO THE TRAILER FRAME. NEXT USE THE PLASTIC STICK ON WIRE HOLDERS AND THE CABLE TIES PROVIDED TO SECURE AN LOW HANGING WIRES.

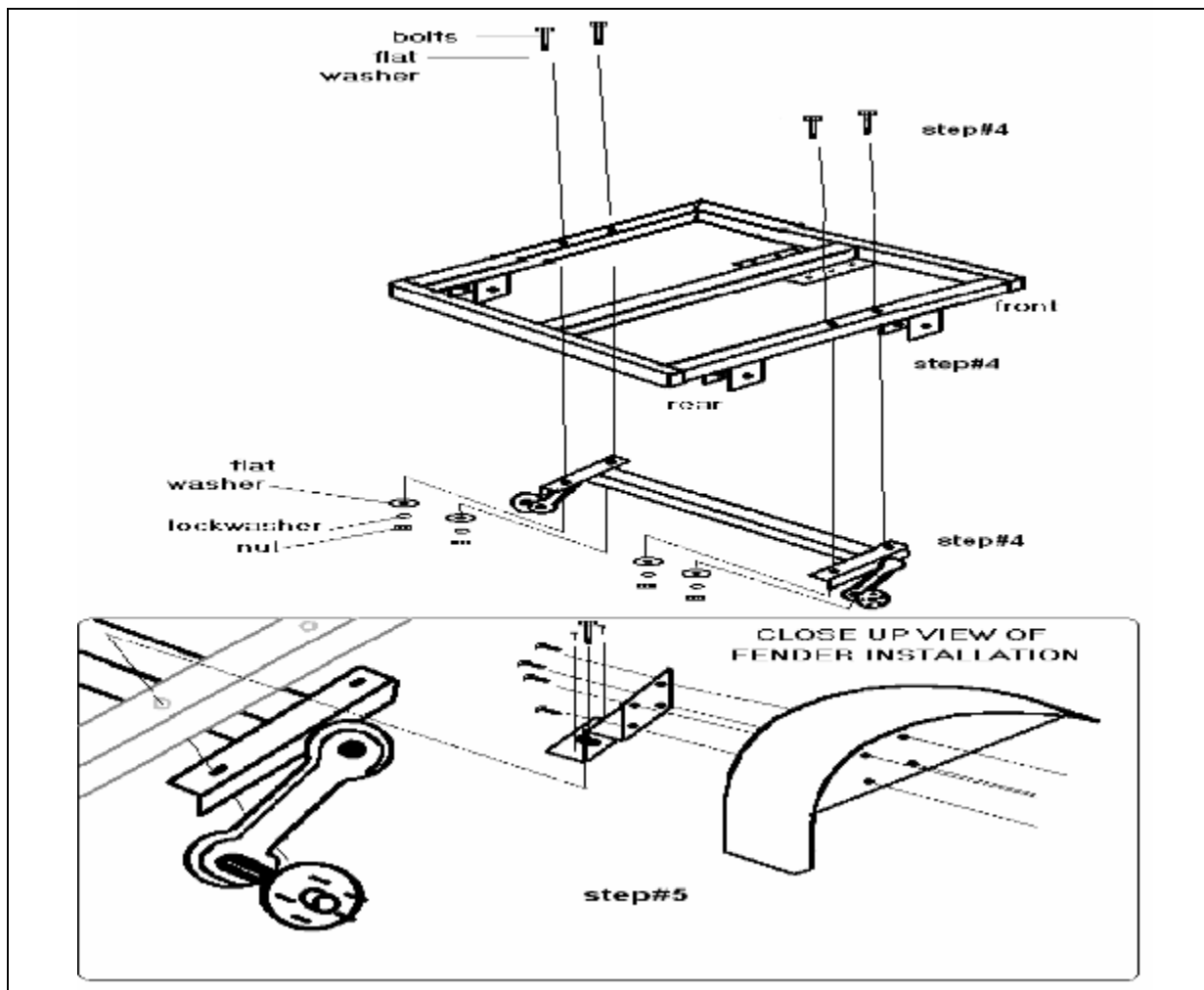
IF YOUR STATE REQUIRES YOU TO LICENSE THIS TRAILER YOU WILL NEED TO INSTALL THE BLACK PLASTIC LICENSE PLATE BRACKET TO THE DRIVERS SIDE TAILLAMP . SIMPLY REMOVE THE TAILLAMP BOLTS AND INSTALL THE BRACKET USING THE SAME BOLTS AND BRACKET THAT MOUNTS THE DRIVERS SIDE TAILLAMP.

Notice— Remove clear cover on bottom of tail light, and pull out the white grounding wire and install it onto one of the bolts!!!

# Torsion Axle and Fiberglass Fender Mounting Instructions

**Step #1**— First place the axle under the frame as shown in the diagram below. Now using the 4 pcs of 5/8" x 4" hex head bolts, place 2 of them through the front holes in the frame and into the holes of the torsion axle. Now place the remaining 2 through the fender bracket as shown below, and into the frame and the holes of the torsion axle. Make sure the fender brackets are facing out as shown below, then place 1 pc of 5/8" flatwasher, 1 pc of 5/8" lock washer, on each bolt and secure with the 5/8" nuts provided. After this is completed you will need to use the 4 pcs of 1/4" x 1" tek screws and screw them into the holes on either side of the 5/8" bolt. (\* Note: they will self drill themselves through the frame and secure them selves\*).

**Step #2**— Now place your fender against the fender bracket as shown below, so as the fender is level and straight. Now mark through the holes as a starting point to drill 4 - 3/8" holes through your fenders for mounting. After the holes are drilled place the fender against the bracket and place the 4 pcs of 3/8" x 1" carriage head bolts through the holes as shown below. Finally secure using the 4 pcs of 3/8" regular nuts. Repeat for opposite side.





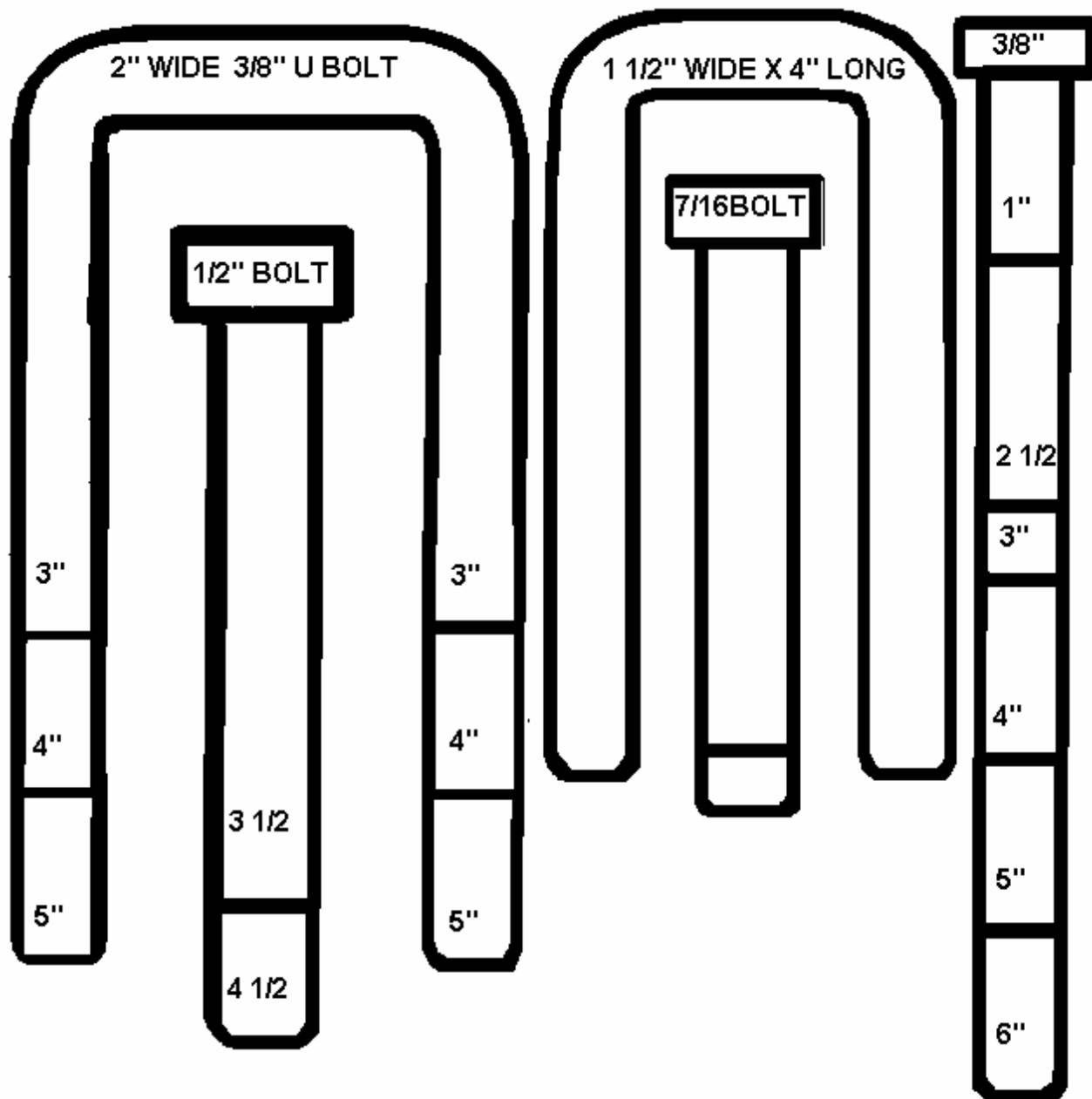
# WARNING!

- Always check tire pressure before travel!
- Always plug wire harness into a properly functioning receptacle!
- Always check for proper functioning lights before travel!
- Always connect safety chains before road travel!
- Always latch and lock coupler before road travel!
- Always tie down your load before road travel!
- Always insert all locking pins before road travel!
- Always adjust all trailer brackets to best fit your load!
- Always load your trailer with more tongue weight and less tail weight!
- Always use the proper ball size! (ball size shown on coupler)
- Always adjust coupler adjustment nut to best fit the tow ball!
  
- Never extend your load more than 3 feet past the tail lights!
- Never exceed the trailer weight capacity! (gross capacity listed on trailer tongue tag)
- Never exceed speed rating on the tires!
- Never use harness adapter plugs between vehicle and trailer!
- Never install lug nuts with the tapered side out, always install with the tapered side toward wheel!



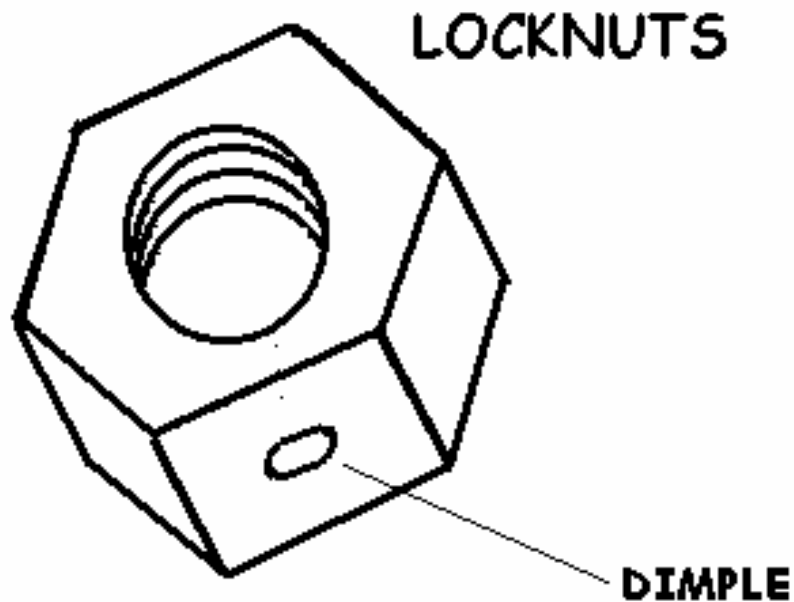
# MAINTENANCE

- Maintenance schedule
  
- Every use
  - 1. Check tire pressure, tire life is increased by proper tire pressure
  - 2. Check for frayed tie down straps or worn locking pins
  
- Bi-yearly
  - 1. Relube inner and outer bearings twice per year on marine trailers.  
(replace seal and bearing if needed)
  - 2. Lubricate coupler latch mechanism
  
- Yearly
  - 1. Relube inner and outer bearings  
(replace seal and/or bearing if necessary)
  - 2. Retighten any loose fasteners
  - 3. Inspect coupler housing and latch for excessive wear.



ACTUAL BOLT SIZES - USE THIS CHART TO DETERMINE BOLT SIZE AND LENGTH. BOLT LENGTHS ARE MEASURED FROM THE UNDER SIDE OF THE HEAD OF THE BOLT. U BOLTS ARE MEASURED FOR LENGTH AND WIDTH ON THE INSIDE OF THE U SHAPE. THE NUTS SUPPLIED FOR THE ABOVE BOLTS ARE LOCK NUTS. THEY WILL TURN ON HARD ALL THE WAY. THE BOLTS DO NOT REQUIRE LOCK WASHERS WHEN THE LOCK NUTS ARE USED.

# NOTICE



Some or all of the fasteners supplied for this products are center punched locknuts. As the diagram show the locknuts have dimple on the outside surface. This dimple is an indentation which is put on the nut. It slightly distorts the internal thread of the nut; therefore, the nut can not rattle loose if the fastener is not tightened properly. The locknuts will be difficult to turn when applied to the bolts. The locknuts are used for safety measures.