



## **KENDON STAND-UP™ UTILITY, SxS & SMART CAR TRAILER UN-CRATING & ASSEMBLY INSTRUCTIONS**

Dear Valued Customer:

Thank you for your purchase of the Kendon Stand-Up™ trailer. To ensure your satisfaction with our trailer, the removal of the trailer from the crate and the installation of hubs, fenders, wheels and tail lights must be performed according with the detailed instructions noted below. The assembly and installation requires the basic knowledge and use of hand tools listed in the “recommended tools” section. If you don't feel you have the capacity to perform this type of installation, or if you have any questions, please contact us via phone at 714-630-7144, 800-847-8618 or via email at [info@kendonusa.com](mailto:info@kendonusa.com).

### **IMPORTANT INFORMATION ABOUT YOUR TRAILER**

Your Kendon trailer is equipped with an independent torsion suspension which distributes the weight evenly across the trailer providing smooth towing performance regardless of the type of load being towed. However, certain precautions have to be taken to ensure optimal trailer performance. Certain vehicles may have to be loaded backwards onto the trailer to ensure proper weight distribution. Please be sure the trailer is level in tow and measure and check your tongue weight with the trailer loaded to ensure it is within recommended specifications. For optimal performance we recommend the tongue weight to be between 10% and 15% of the total load weight (I.e. with 2000 lbs. load tongue weight should be between 200 lbs. and 300 lbs.). A Class II or greater hitch with a 2” ball is required to safely tow a Kendon trailer. Kendon does not recommend the use of a hitch extender to tow our trailers. If a hitch extender must absolutely be used, use at your own risk and ensure that such hitch extender meets or exceeds the recommended towing capacity and tongue weight of a Class II or greater hitch; use at your own risk. When towing with a load, always be certain to lock the folding rear section in place using the frame mounted clamps on each side of the trailer. When towing empty, be sure to fold the rear section over the front section and secure using the frame mounted rubber latches. The trailer is equipped with expanded metal mesh deck to accommodate tie downs almost anywhere on the trailer. Kendon recommends using a minimum of 4 ratchet-style tie downs to triangulate and secure a vehicle or load on the trailer. We do not recommend tying down directly to the tongue of the trailer unless specifically instructed in a trailer specific owner's manual. Any additional equipment not supplied by Kendon or user modifications to the trailer will void the warranty. If you have any questions, comments or concerns about using your trailer please contact us via phone at 714-630-7144, 800-847-8618 or via email at [info@kendonusa.com](mailto:info@kendonusa.com).

### **RECOMMENDED TOOLS**

1. Pry Bar or Hammer
2. 13/16” or 21 mm Lug Wrench (for 1/2” Lug Nuts – Wheels & Spare Tire)
3. 7/16” Combination Wrench
4. 5/8” Combination Wrench
5. Torque Wrench with 1-1/2” Socket
6. Socket Wrench with 11/16” and 5/8” Socket
7. Wire Cutters
8. Pliers
9. Box cutter or similar

## INSTALLATION OF HUBS, FENDERS AND REMOVAL FROM THE CRATE

1. Carefully remove shrink wrap, cardboard packaging and bubble wrap using a box cutter or similar tool. *BE SURE to not cut on edges or near powder coated areas as to not scratch the trailer framework.*
2. Cut the metal retaining straps secured to axle and crate on each side of the trailer.
3. Remove the tires, hubs, fenders and any additional boxes, parts and accessories from the crate.
4. Knock apart the wood sides of the crate to allow for fender and wheel installation.
5. Reverse the location/direction of casters on the caster brackets on each side of the trailer so the casters are pointed down towards the ground. Attach casters with the flat washer, split lock washer and nut. Tighten using a socket wrench with 5/8" socket.

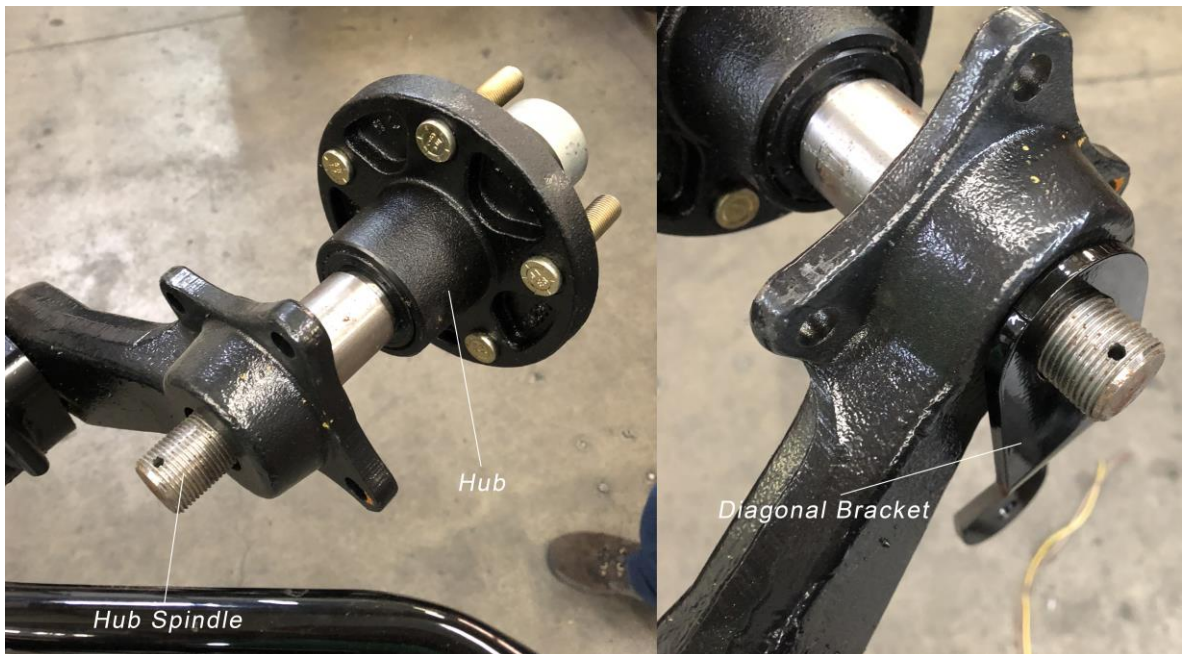
**NOTE: A video of the hub, fender and wiring installation process can be viewed here:**  
[https://www.youtube.com/watch?v=IZ2H5XXx\\_g0](https://www.youtube.com/watch?v=IZ2H5XXx_g0)



6. Thread the wiring harness on each side of the trailer through the Axle Mount; and the Tie Down Hook (*if equipped on trailer*). Loosely drape the wiring over the axle torsion arm for later use.



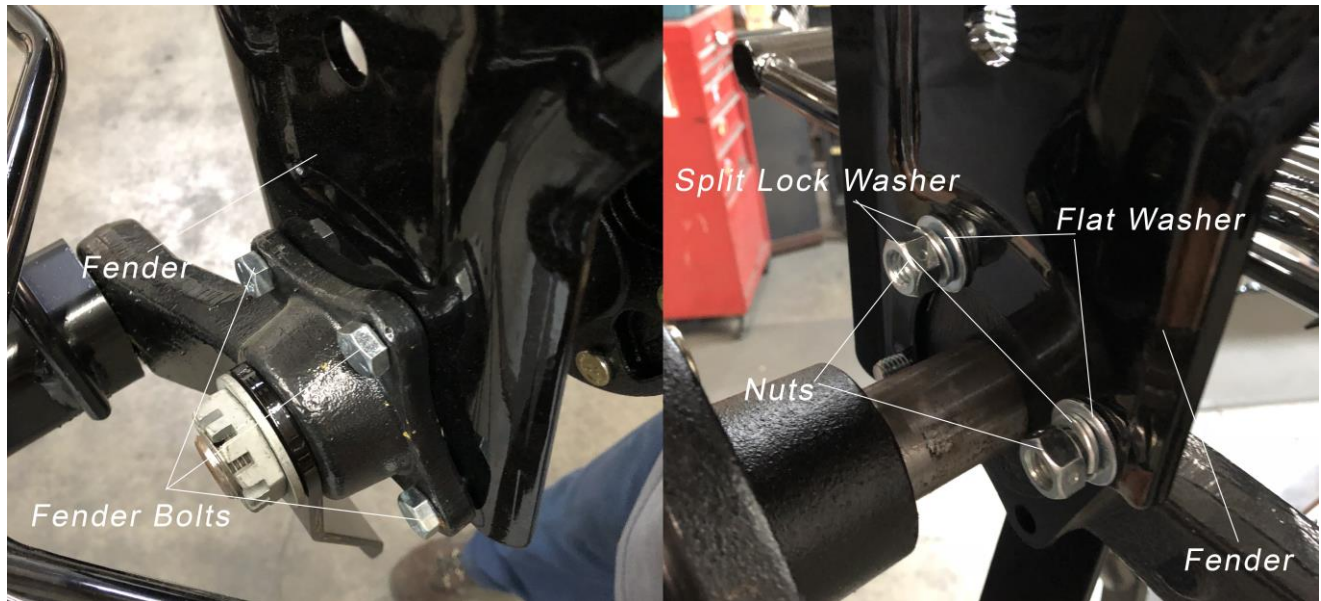
7. Both Hub Assemblies ship pre-assembled and pre-greased. Insert the Spindle end of the Hub into the Torsion Arm and slide the Diagonal Bracket over the Hub Spindle as pictured below.



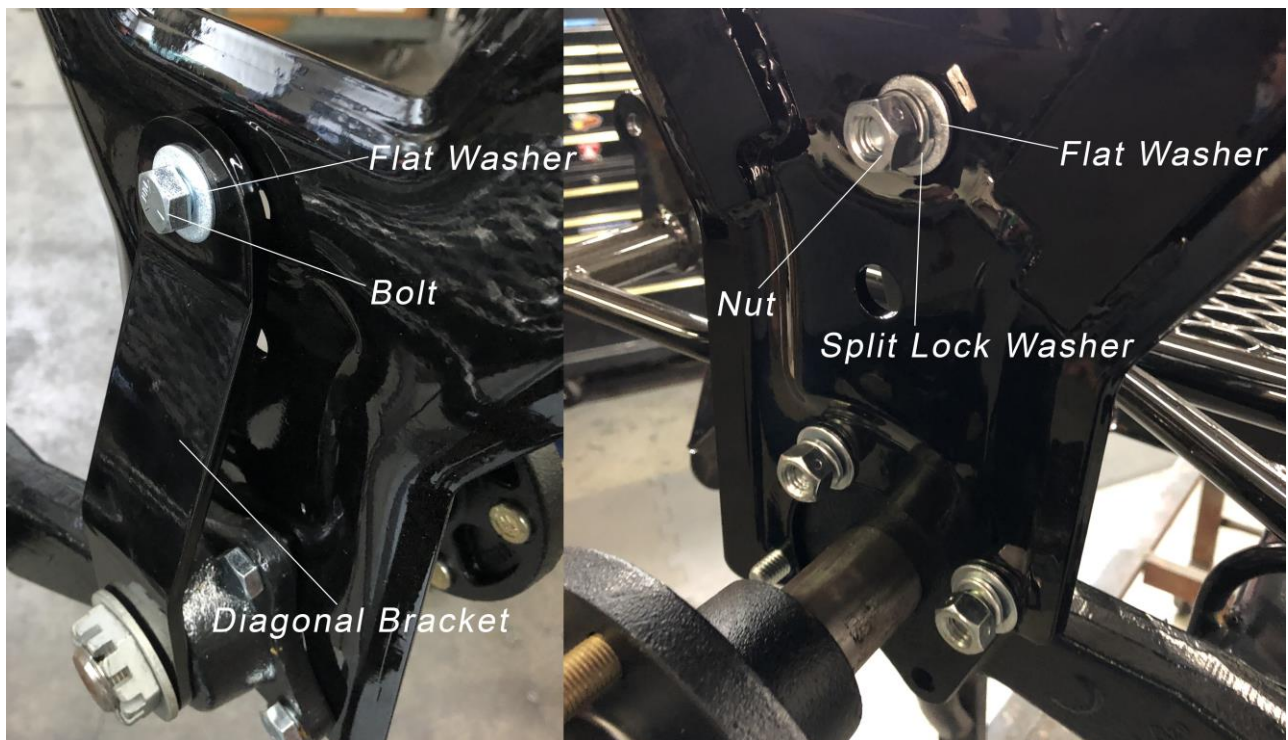
8. Attach the Fender Washer and Castle Nut onto the spindle and loosely hand-tighten. Be sure that the beveled edge of the Fender Washer faces the Torsion Arm and Diagonal Bracket. Insert the fender bolts through the torsion arm fender mounting holes. The fender is mounted using only three (3) of the four (4) mounting holes on the torsion arm. The topmost fender mounting bolt will be pointing towards the deck of the trailer, not the ground.



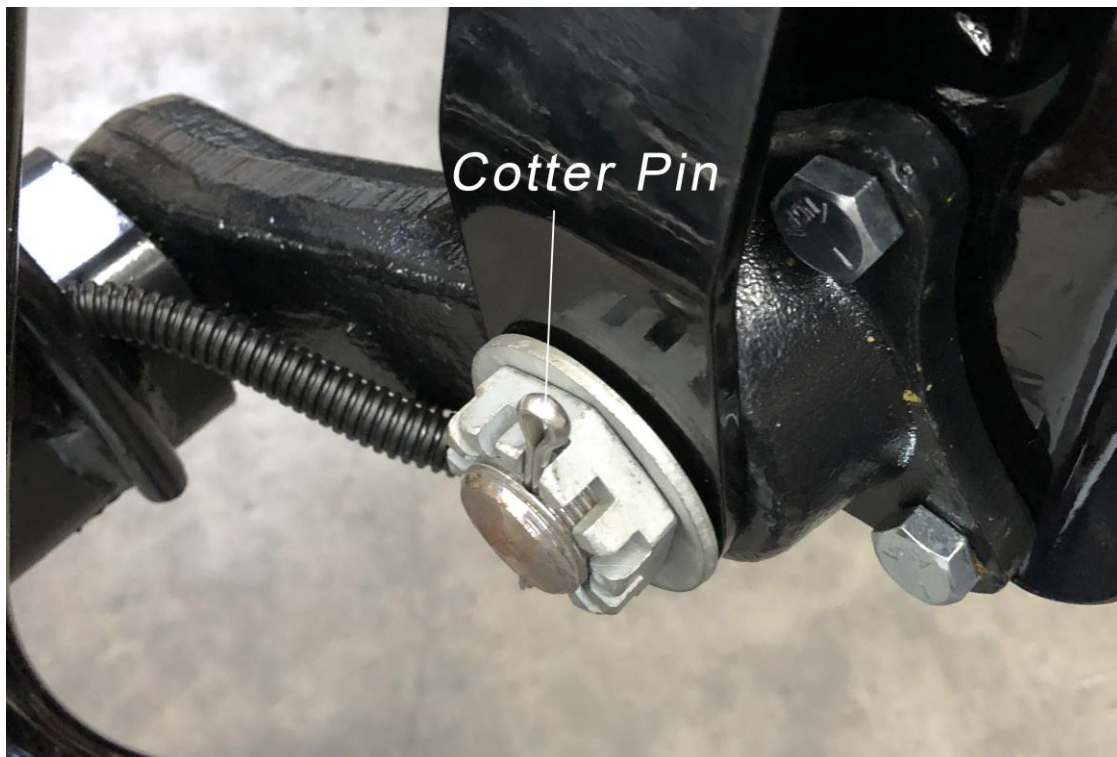
9. Attach the Fender to the Torsion Arm using Fender Bolts, Flat Washers, Lock Washers and Nuts and hand-tighten. Be sure the Fender Shell (top of the fender) or the top of the "Y" shaped fender bracket points towards the deck of the trailer. *Note: The fender should be perpendicular to the deck of the trailer.*



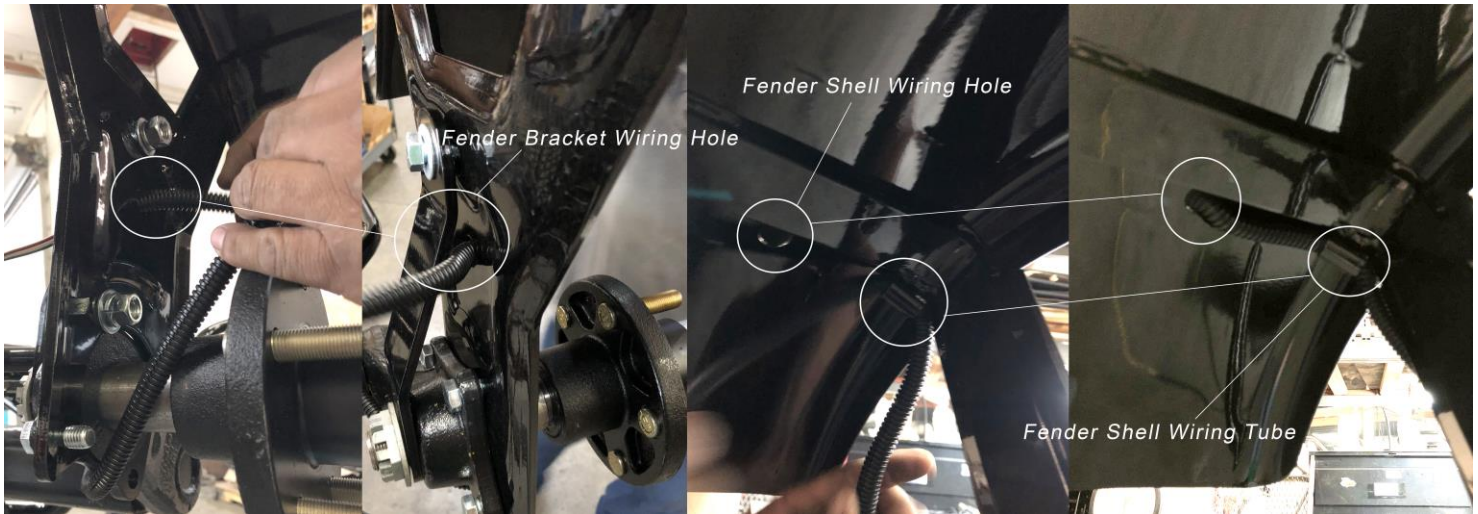
10. Rotate the Diagonal Bracket into its final position and attach using Bolt, Flat Washer, Flat Washer on opposite side, Split Lock Washer and Nut and hand-tighten.



11. Tighten the three Fender Bolts and the Diagonal Bracket Bolt using a 5/8" Combination Wrench and Socket Wrench with 11/16" Socket. The 5/8" combination wrench fits the Fender Bolt and the 11/16" socket fits the fender bolt Nut. Securely tighten.
12. Tighten the spindle Castle Nut and Torque to 120-foot pounds. Be sure to align the grooves in the castle nut with the small hole in the spindle and insert the supplied Cotter Pin. Bend both ends opposite of eyelet of the cotter pin to prevent it from falling out.



13. Thread the tail light wiring harness through the Fender Bracket Hole, the Fender Shell Wiring Tube and the Fender Shell Wiring Hole.



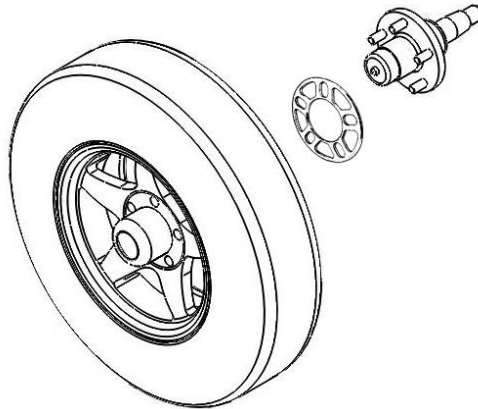
14. Allow the tail light wiring harness to loosely drape over the fender and complete the wheel attachment steps below. After wheel installation is complete follow the "Tail Light Installation" instructions to complete the installing the trailer lighting.



15. Tilt the trailer backwards slightly so that the wheels/tires can slip onto the hubs. *(The left over wooden crate sides can be used to keep the trailer tilted while wheels are attached)*
16. Attach the wheels/tires to the hubs and hand-tighten lug nuts to hold wheels on the hubs.
17. Attach the Trailer Coupler Assembly to the front tongue of the trailer and install the supplied Trailer Hitch Pin to hold in place.
18. Tilt the Trailer forward so that Trailer weight is on the wheels.
19. Roll Trailer out of crate and stand up onto the "casters."
20. Follow the wheel installation instructions to securely tighten the wheels.

## WHEEL INSTALLATION

1. *(If equipped, otherwise skip to step 2)* If your trailer is equipped with Aluminum wheels and/or center cap covers, remove the wheels from hub. Place the supplied wheel spacer on the hub so it sits between the hub and wheel. If equipped, place the center cap into the center of the wheel from the back side.



2. Carefully install wheel onto hub and tighten lug nuts with wrench. Torque the lug nuts using a torque wrench to 60 foot pounds of torque. Be sure to use the “star” pattern to securely tighten the wheels.
3. Make certain that both hubs and hubcaps are tight and wheels rotate freely.
4. RE-TIGHTEN lug nuts after the first 50 miles. Check and re-torque periodically.

## TAIL LIGHT INSTALLATION

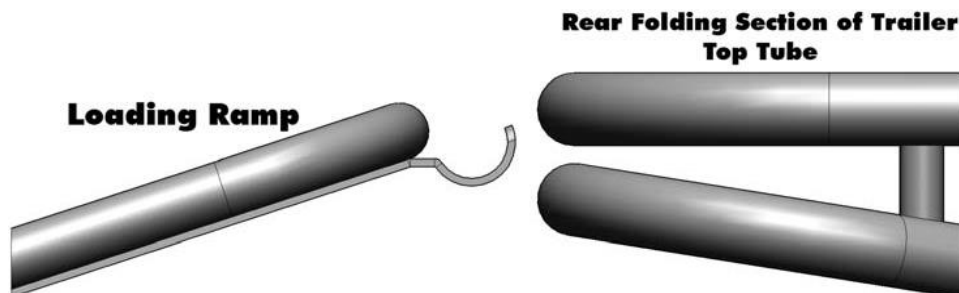
1. Using wire cutters, cut the remaining slack of tail light wiring harness to length so that the wiring can easily slip through the tail light bracket and attach to the tail light.
2. Split the three wires into individual wires and strip the ends.
3. Twist end of each wire tightly with pliers (*Note: The ground wire will have a 5/16” Wire Ring Connector already attached*).
4. Push the three wires through the middle top hole of the tail light bracket.
5. Gently push wire into the color coded hole that is stamped on housing on the back of the taillight.
6. Gently pull on each wire to make sure that it is seated properly.
7. Place light onto mounting bracket on each fender.
8. Install taillight housing on brackets using nuts and lock washers provided. Be sure to attach the ground wire with wire ring connector to one of the tail light bolts. *Note: The white ground wire can be placed on either post.*

Congratulations! The trailer assembly is now complete and ready for towing.

## ⚠ CAUTION

### LOADING RAMPS

How to use the ramps on your Kendon Trailer: Insert the ramp hook as shown below between the tubular rails on the rear folding section of the trailer. This example might make it easier to understand: if the ramp hook was a spoon, it should be positioned as if you were using it to eat soup, rather than to pour soup out.



Be sure to follow the Trailer Owner's Manual for details on properly using your new Kendon Trailer. If you have any questions, please contact us at 800-847-8618 or through email at info@kendonusa.com.

Thank you and enjoy your Kendon Trailer!

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