



## Cruiser Avenir Axle Replacement

<b>Bulletin Type:</b>	Recall	<b>Publication Date:</b>	10/15/25
<b>Recall #s:</b>	25V-579 US units No CA units	<b>Make:</b>	Cruiser
<b>Job Codes:</b>	replace 99.03.30	<b>Models:</b>	Avenir
<b>Flat Rates:</b>	Replace .8 Hours	<b>Model Years:</b>	2025

<b>Incident:</b>	Installed underslung axle does not allow for proper wheel clearance. A new over slung axle will be installed to provide proper clearances.
<b>Affected Units:</b>	<b>Cruiser Avenir A-19BH</b>
<b>Parts Kit:</b>	<b>PARTS KIT #</b> <b>0462558</b>
	<b>Contents:</b>  (1) LCI 3500lbs axle/ 3500 # over slung leaf spring assembly – LCI Part number V000315474 / Cruiser part number 0332818  (1) LCI – Single Axle hardware Kit - LCI part number 121101 / Cruiser Part number 41227

## REPAIR INSTRUCTIONS (Preliminary Trailer Setup)



- Use an impact driver with socket and break the lug nuts loose on all wheels. Do NOT remove any lug nuts at this time.
- Position the unit on a flat level surface in a level condition.
- Retract ALL stabilizer jacks.



- Support the trailer frame behind the wheels, and in front of the wheels on both sides of the trailer using jack stands or wood cribbing.
- With floor jacks, raise the trailer so all wheels are off the ground.
- Once the trailer is raised and secure, the lug nuts and wheels can be removed from the trailer.

## REPAIR INSTRUCTIONS (Remove old axles)



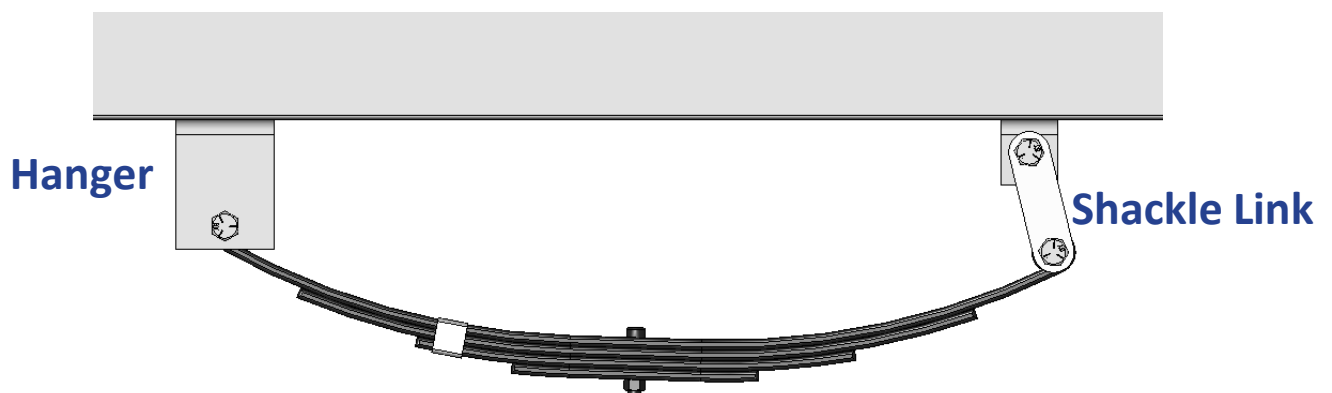
- Cut the brake wire connections to axles.
- Use the wire cutters and cut off only the crimps or weatherproof connectors on axle.
- Wiring remains under the trailer to reuse on the new axles.



- Place a floor jack under that axle to support it, so once it is freed, it will not fall to the ground
- Remove the nut from the spring hanger bracket. **DO NOT REMOVE THE BOLT YET.** Use the 13/16 wrench and the 11/16 impact socket and impact driver. Remove the nut from the bolt holding the spring to the shackle.
- Go around to the other side of the trailer and remove the spring hanger nuts.
- Make sure the floor jack is under the axle to support it, and drive the bolts out of the shackle links and the spring hanger brackets from the nut end.
- Drive the 4 bolts out of the shackles from the nut end with a small, sledge hammer.  
**NOTE:** if new shackle links are included in the kit, all shackle links should be replaced with new ones.
- **Old hardware will not be re-used, discard bolts.** Use new hardware from the kit.
- The axle should now be loose, roll it out from under the trailer on the floor jack.

## REPAIR INSTRUCTIONS (Install new axles)

- Roll the new axle with springs attached, under the trailer on the floor jack and raise into position.
1. Install shoulder bolt for the spring clip side of the suspension spring through the spring eye and into the front hanger.  
**Note:** The spring clip should point toward the front of the trailer and the brake wire should exit the axle tube on the back side. Additionally, the position of the axle serial label designates the rear of the axle. These steps ensure correct orientation of the axle.
  2. Using a hammer, drive in the bolt from the outside of the hanger to seat the bolt head against the hanger face.
  3. Install flange nut onto the threaded end of the bolt.
  4. Use a wrench to hold the bolt head to prevent bolt rotation while tightening the nut to the shoulder of the bolt. Torque nut to 30 to 50 ft-lbs.
  5. Rotate the rear spring eye toward the rear hanger and install a bolt of the shackle link/bolt assembly through the spring eye from the outside.
  6. Install other bolt in the shackle link/bolt assembly through the hanger.
  7. Install the loose shackle link on the inboard side.
  8. Install flange nuts onto the threaded ends of the bolts.
  9. Use a wrench to hold the bolt heads to prevent bolt rotation while tightening the nuts to the shoulder of bolts. Torque nut to 30 to 50 ft-lbs.
  10. The axle is pre-wired and two lead wires are left for trailer wire hookup. One lead will need a 12V DC supply and the other lead will need a ground wire attached.  
**Note:** The two leads are non-polar, so the 12V supply and ground can be hooked to either lead.  
**Note:** Trailer wire size and connectors should be sized so a minimum supply of 10.5 volts is achieved at lead wires.
  11. The axle installation is complete. See *Wheels* section to mount the tire and wheel assemblies onto the axle.





- Re-install the wheels and lug nuts.
- Lower the trailer back on to the ground.
- Torque all the lug nuts to 65 ft/lbs, then final torque them to 120 ft/lbs.

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903 South Main Street • P.O. Box 460 • Middlebury, IN 46540