

## **INSTALLATION & OPERATIONS**

### **TOW BARS (35-946600, 35-946601, 35-946602, 35-946603)**

Thank you for choosing an Ultra-Fab towbar. Following these instructions will ensure proper installation, safe operation, and long-term performance. For assistance, contact Ultra-Fab Customer Service at 574-294-7571 or [customerservice@ultra-fab.com](mailto:customerservice@ultra-fab.com).

#### **Critical Notes**

- A compatible base plate must be installed on the towed vehicle before installing any Ultra-Fab towbar.
- Confirm that the towbar, towing vehicle, mounting brackets, safety cables, and hitch all have weight ratings that exceed the weight of the towed vehicle.

#### **Installing the Clevis on the Towbar**

- 1) Using a 5/16" Allen wrench and a 3/4" wrench, remove the 5/8" shoulder bolt from the towbar leg.
- 2) Do not allow the bolt to slide up inside the towbar leg. If it does, lift and shake the towbar until the bolt drops back out.
- 3) Slide the clevis onto the towbar leg.
- 4) Reinsert the 5/8" shoulder bolt through the towbar leg and the internal knuckle.
- 5) Thread the 1/2" -13 Nylock nut onto the bottom of the shoulder bolt.
- 6) Tighten the nut using the Allen wrench and 3/4" wrench until the clevis ends are snug.
  - Do not overtighten. The clevis must still pivot freely.
  - Ensure the nylon insert in the Nylock nut is fully engaged past the threads.
- 7) Repeat the process for the second towbar leg.



#### **Installing Safety Cables**

Notes:

- Never use damaged or worn cables.
  - Safety cables **must** connect frame-to-frame between the towing vehicle and the towed vehicle.
1. Attach each cable to a solid chassis point on the towed vehicle using the cable hooks.
  2. Wrap each cable one full turn around its corresponding towbar leg.
  3. Route each cable through the chrome ring beneath the U-joint swivel.
  4. Attach the opposite ends of the cables to a solid chassis point on the motorhome.
    - Recommended: Cross the cables (left side of car to right side of motorhome).
  5. Allow enough slack for full turning radius but ensure cables do not drag on the ground.

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6. Verify that each cable is the correct length and load rating for your towbar.

### **Connecting the Towbar to the Towed Vehicle**

1. Position the towbar legs outward and downward in a V-shape, with the legs not yet extended.
2. Move the towed vehicle close enough to align with the base plate.
3. Pull the clevis outward and attach it directly to the base plate tab.
4. Insert the bent pin and secure it with the cotter pin.
5. Repeat for the second towbar leg.
6. Slowly pull the motorhome forward to extend and lock both towbar legs. Both legs should clearly lock in place. If only one leg locks, drive forward slowly and turn toward the side that needs to lock.



### **Unhooking and Folding the Towbar**

1. Park the motorhome and towed vehicle in a straight line on a flat, level surface.
  - This reduces pressure on the towbar arms and makes pin removal easier.
2. Engage the motorhome's parking brake.
  - Place the towed vehicle in Park (automatic) or 1st gear (manual).
3. Disconnect the safety cables and lighting.
4. Rotate the twist-cam handles 90° to release tension on the towbar.
5. Remove the pins from the base plate.
6. Collapse the towbar legs and rotate the handles back to the straight position.
7. Repeat for the second leg.
8. To stow the towbar, tilt it upward and hook the clevis around the stow strap.
  - Tilt the arms to either side for storage.



### **Notes (Critical)**

- When driving the motorhome with the towbar in the stowed position, secure the towbar legs using bungee straps or similar devices. Attaching the leg ends to the motorhome bumper helps prevent movement on rough roads.
- Do not tow if the towbar is more than 2 inches out of level in either direction.
  - Use a drop or riser hitch to bring the towbar within the required 2" level tolerance.

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## **LIFETIME LIMITED WARRANTY**

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Ultra-Fab Products makes the following warranty with respect to the above-named products.

- This warranty is made only to the first purchaser (hereinafter called the “original purchaser”) who acquires this product for their own use.
- This warranty will be in effect for the lifetime from the date of purchase by the original purchaser. It is suggested that the original purchaser (1) registers the warranty on ultra-fab.com and (2) retains a copy of the dated bill of sale as proof of the date of purchase.
- This warranty covers only specified parts which shall be free from defects in material and workmanship under normal use. This warranty does not cover conditions unrelated to the material and workmanship of the product. Such unrelated conditions include, but are not limited to (a) faulty installation and any damage resulting from such; (b) the need for normal maintenance and any damage resulting from the failure to provide such maintenance; (c) failure to follow Manufacturer’s instructions for use of this product, and (d) any accident to, or misuse of, any part of this product and any alteration by anyone other than the manufacturer or its authorized representative.
- To obtain the benefits of this warranty, original purchaser needs to return the product which you find defective to Ultra-Fab Products during the period that this warranty is in effect. All charges incurred in delivery of the product to the manufacturer, and in picking it up after the warranty service has been completed, must be paid by the original purchaser.
- Any item returned in the manner described in paragraph 4 will be examined by the manufacturer. If it is found that the returned item was defective in material or workmanship, the manufacturer will repair it without charge for material and labor.
- Ultra-Fab Products will pay freight on replacement parts during the first 90 days of ownership by the original purchaser.
- The manufacturer does not authorize any person or company to create any warranty obligation or liability on their behalf.
- In no event shall the manufacturer be liable for incidental or consequential damages. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.
- Any implied warranty, including the implied warranty of merchantability and fitness for any purpose, is limited to the duration of this limited warranty. Some states do not allow limitations on how long and implied warranty last, so the above limitation may not apply to you.
- This warranty gives you specific legal rights and you may also have other rights which vary from state to state.



Register your warranty at <https://ultra-fab.com/warranty/>

To report a warranty issue email [customerservice@ultra-fab.com](mailto:customerservice@ultra-fab.com) or Call 574.294.7571.

