



Time Tested • Time Proven

854399-02 09-22

Tow Defender repair kit

part number 4748-10

Installation instructions

All specifications are subject to change without notice.

ROADMASTER, Inc. 6110 NE 127th Ave. Vancouver, WA 98682 800-669-9690 Fax: 360-735-9300 www.roadmasterinc.com

CAUTION

Read the instructions completely before installing the replacement struts. Failure to understand how to install the struts could cause damage to the Tow Defender.



Parts list

- (2) arms (one driver's side and one passenger side)
- (4) 1/2" flat washers (4) bushings
- (2) 3/8" nuts (2) 1/2" shoulder bolts

Required tools

- (1) flat head screwdriver
- (1) 3/16" Allen wrench
- (1) 1/4" Allen wrench
- (2) 1/2" wrenches
- (1) 9/16" wrench
- (1) 3/8" drill bit and an electric drill

1. Release both of the struts by using a flat head screwdriver to pry down on the notch over the latch spring at the bottom of the caps (Figure 1).

2. Bring both of the arms together (Figure 2) and remove the Tow Defender fabric.

3. With a 3/8" Allen wrench and a 1/2" wrench, remove the 3/8" shoulder bolts attaching the arms to the collar (Figure 3).

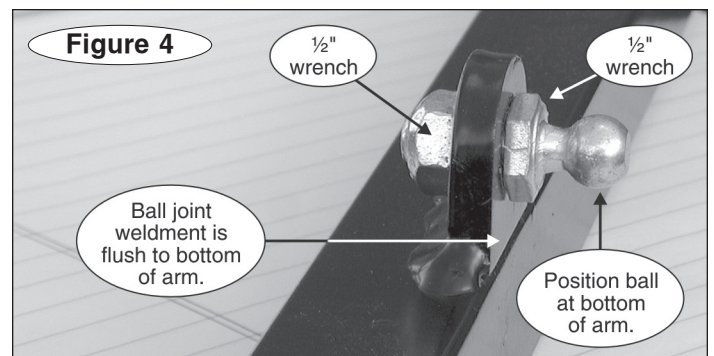
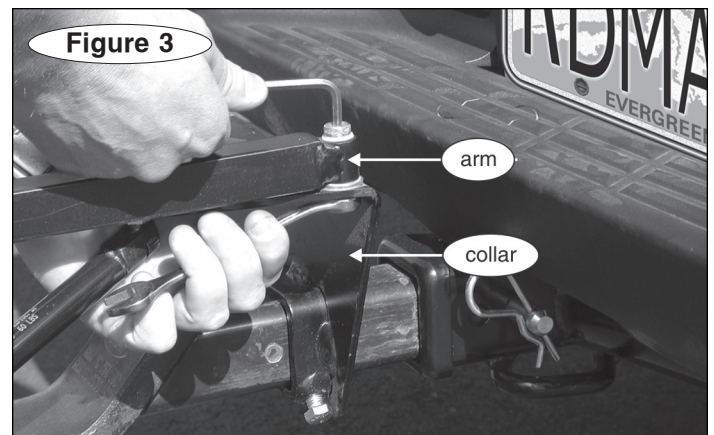
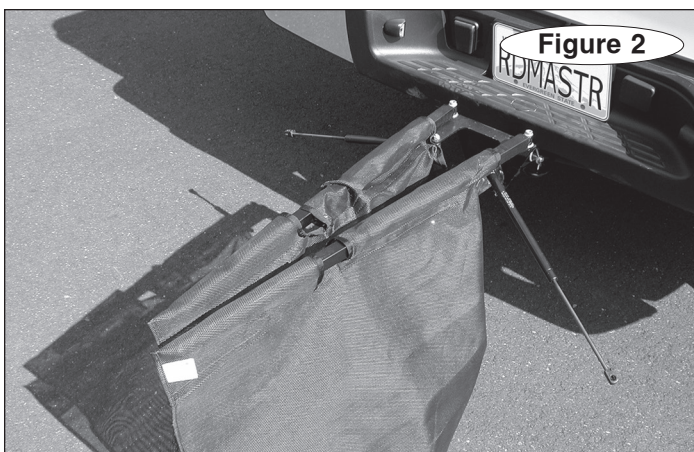
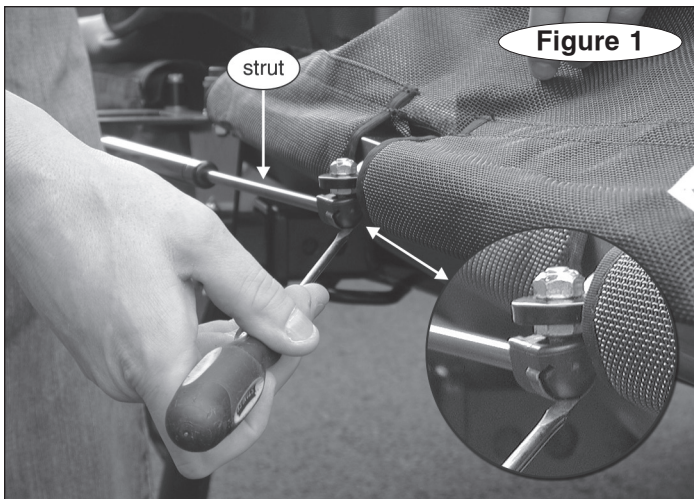
4. Remove the ball joints (Figure 4) from the original arms with two 1/2" wrenches (Figure 4). Discard the original arms. Then, use the 1/2" wrenches to attach the ball joints to the replacement arms. Hand-tighten the ball joints until they are snug against the bottom of the weldments (Figure 4).

Note: position the ball joints at the bottom of the arms, as shown in Figure 4.

5. Drill out the original threaded collar bolt attachment holes to 3/8" (Figure 5).

6. Position one of the 1/2" flat washers over the appropriate 3/8" hole (Figure 6) you drilled in the preceding step. Insert another 1/2" flat washer through one of the replacement shoulder bolts and hold the washer against the top of the bolt.

Insert the shoulder bolt through the end of the arm
continued on next page



continued from preceding page

and into the collar (Figure 6).

Thread one of the 3/8" nuts onto the bottom of the shoulder bolt.

Secure the new arm to the collar with a 1/4" Allen wrench (on the shoulder bolt) and a 9/16" wrench (on the nut), as shown in Figure 3. Hand-tighten the nut until it is snug against the bottom of the collar.

Repeat for the other side.

7. Bring both of the arms together and reattach the Tow Defender fabric (Figure 2).

8. Swing the arms apart, until they are parallel to the front of the towed vehicle.

9. Connect one of the struts to the ball joint on the replacement arm – position the end of the strut over the ball joint. Push the ball joint cap up into the ball joint, until it 'snaps' in place over the ball joint (Figure 7).

Repeat to connect the other strut to the ball joint on the other replacement arm.

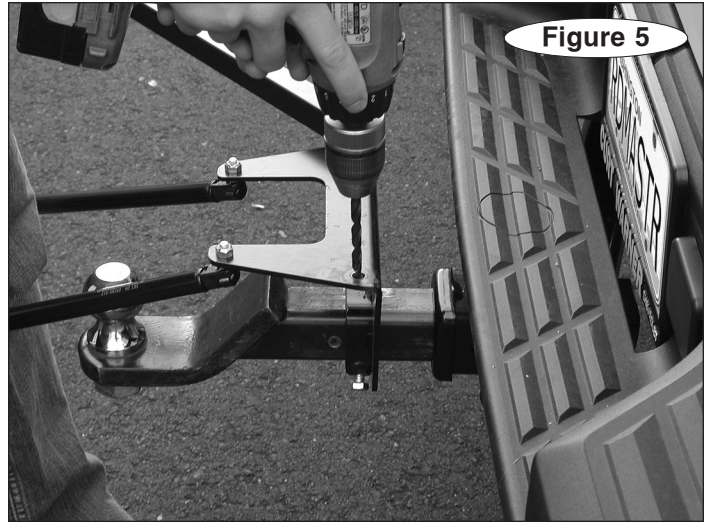


Figure 5

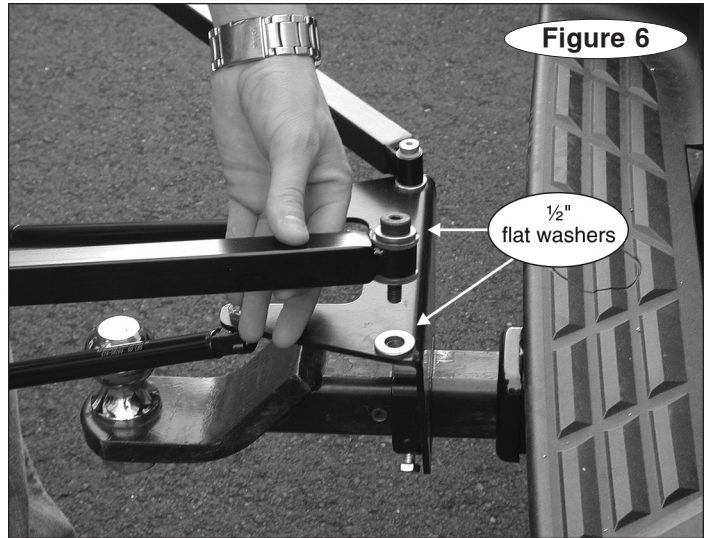


Figure 6

1/2"
flat washers

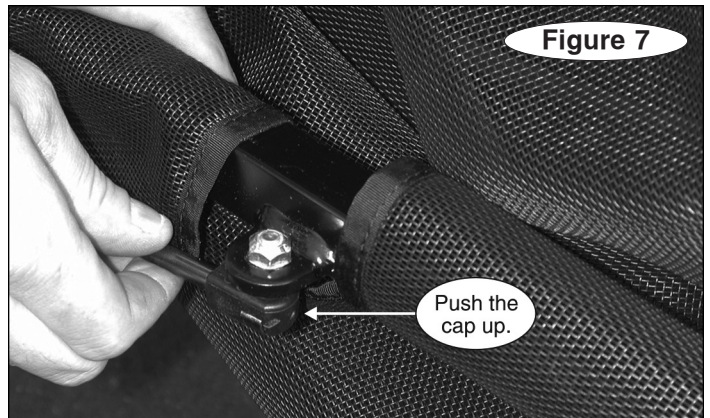


Figure 7

Push the
cap up.