



## Towing and Suspension Solutions

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# Sterling™ shoulder bolt, washer and yoke bolt washer replacement kit

for Nighthawk, Sterling and Sterling All-Terrain tow bars  
part number 910003-32

## Installation instructions

All specifications are subject to change without notice.

*Note: These photos show a Sterling All-Terrain but also apply to the Nighthawk and discontinued Sterling tow bar.*

### CAUTION

Read the instructions before installing the kit components. Failure to understand how to install this product could result in property damage, serious personal injury or even death.

### Kit components

This kit contains the components for two shoulder bolts/washers and yoke bolt washers—

- (2) shoulder bolts      (2) Nylock nuts
- (14) 1½" diameter acetyl washers      (1) ¾" jam nut
- (4) ¾" diameter acetyl washers      (1) ¾" lock nut

### Required tools

- One 1-1/8" socket wrench
- A large crescent or impact wrench with 1-1/8" socket
- 9/16" socket wrench
- One ¼" and one 5/8" Allen wrench

### Installation instructions

#### To replace the shoulder bolt and acetyl washers...

1. Remove the shoulder bolt with the 9/16" wrench and the ¼" Allen wrench (Figure 1).
2. Discard the two ¾" acetyl washers; retain the flat metal washer.
3. Insert the replacement shoulder bolt and one replacement ¾" acetyl washer through the collar, as shown in Figure 2.
4. Align the second ¾" acetyl washer to the hole on the other side of the collar and push the shoulder bolt through.

5. Be certain that the head of the shoulder bolt is flush to the collar. Insert the flat metal washer on the outside of the collar, against the Nylock nut (Figure 3), and tighten the nut  
*continued on next page*

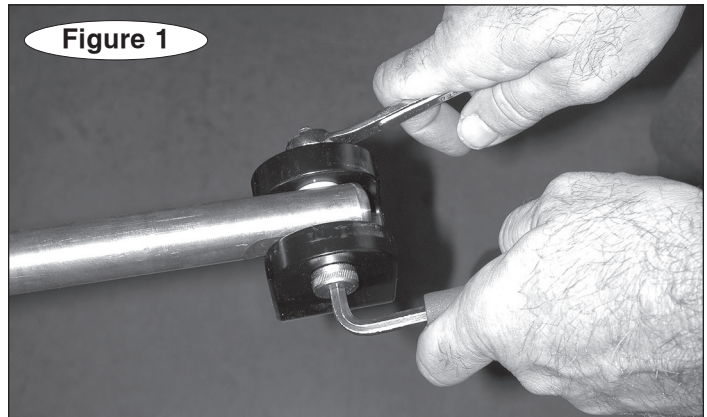


Figure 1

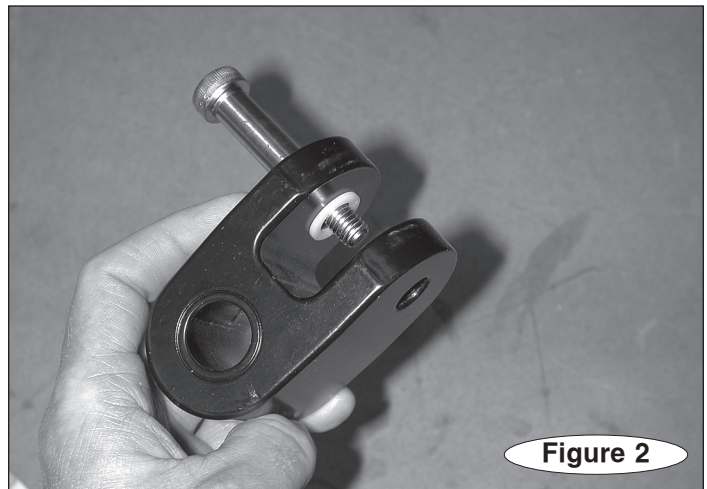


Figure 2

### IMPORTANT NOTICE!

#### Safety Definitions

These instructions contain information that is very important to know and understand. This information is provided for **safety** and to **prevent equipment problems**. To help recognize this information, observe the following symbols:

### WARNING

**WARNING** indicates a potentially hazardous situation which, if not avoided, could result in property damage, serious personal injury or even death.

### CAUTION

**CAUTION** indicates a potentially hazardous situation which, if not avoided, may result in property damage, or minor or moderate personal injury.

### CAUTION

**CAUTION** used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

### NOTE

*Refers to important information and is placed in italic type. It is recommended that you take special notice of these items.*

continued from preceding page

to secure the shoulder bolt in place.

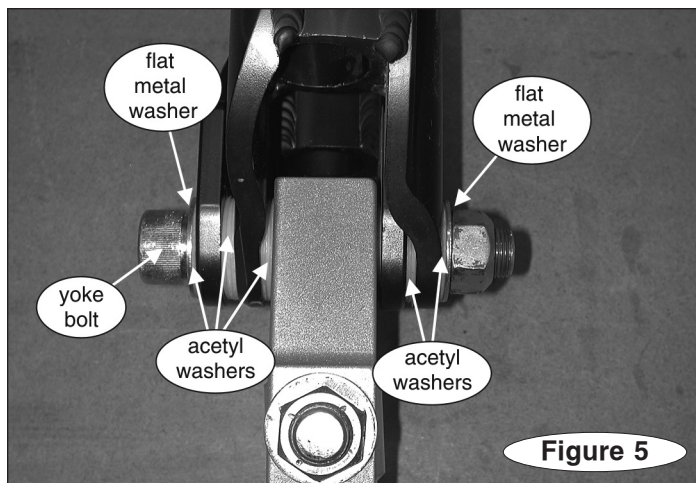
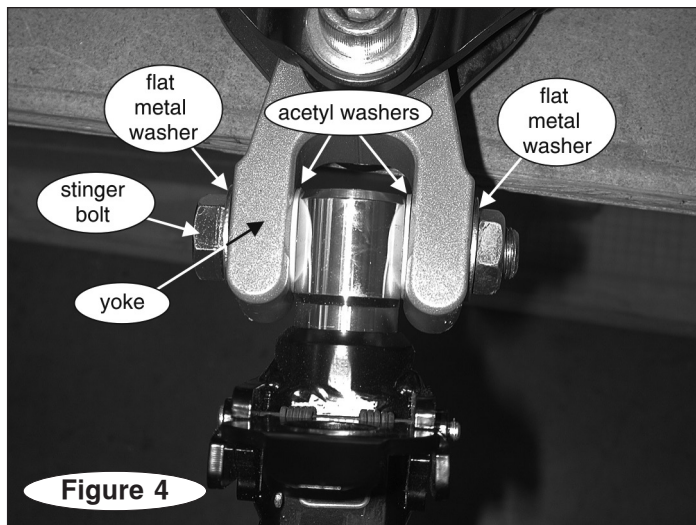
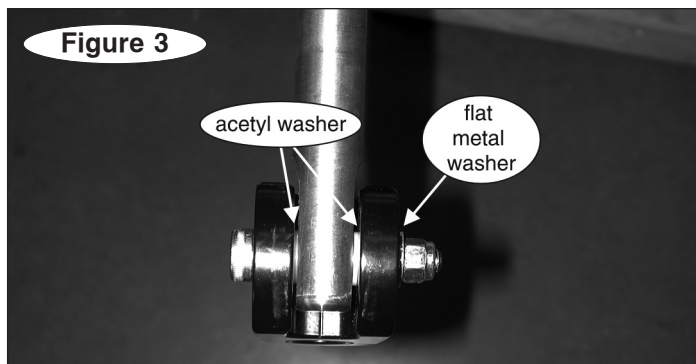
6. Repeat for the other tow bar arm

### To replace the stinger acetyl washers...

1. Note the type and location of the flat metal and acetyl washers on the stinger (Figure 4).
2. Remove the stinger bolt with the 1-1/8" socket wrench and the crescent (or impact) wrench (inset, Figure 4). Discard the original acetyl washers. Reassemble with the replacement acetyl washers and the original flat metal washers; secure the bolt with the new 3/4" jam nut.

### To replace the yoke assembly acetyl washers...

1. Due to manufacturing variances, the number of acetyl



washers can vary from tow bar to tow bar; therefore, before removing the bolt, carefully note the location and number of acetyl washers (Figure 5). If the exact number of replacement washers is not used at each point, the storage latch will not fit properly in the stowed position and, due to metal fatigue, the tow bar may fail.

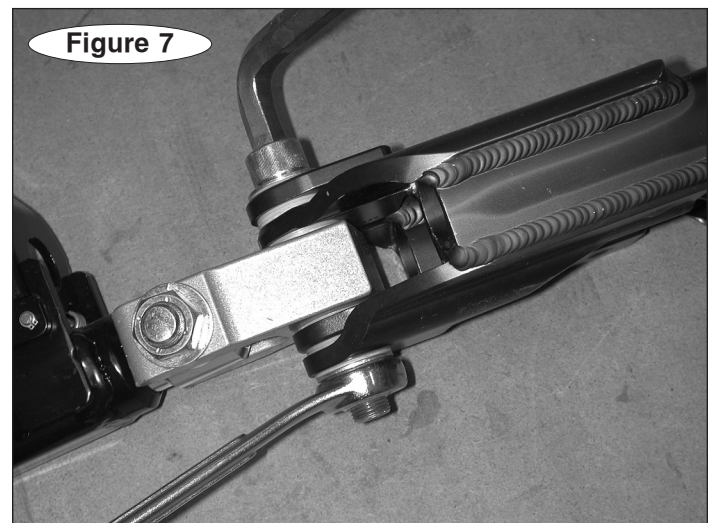
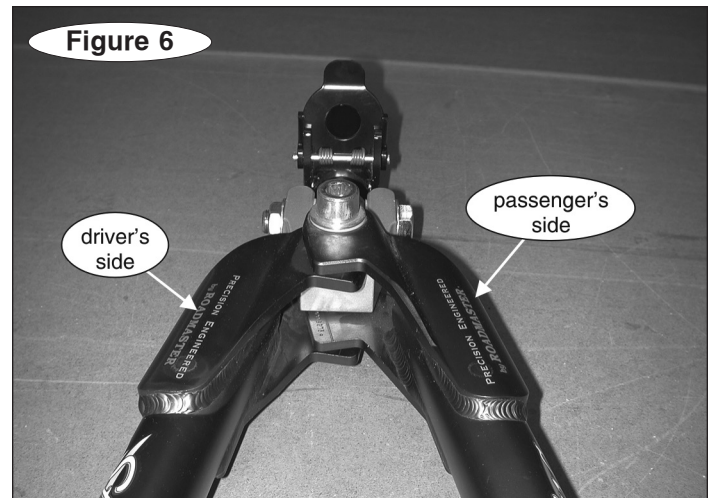
### WARNING

**Before disassembly, carefully note the number of acetyl washers at each location. If the exact number of acetyl washers is not replaced at each point, metal-to-metal contact will occur, which will result in metal fatigue, causing tow bar failure.**

**Failure to follow these instructions may cause property damage, personal injury or even death.**

To aid in reassembly, also note the position of the driver's and passenger's side tow bar arms, in relation to the yoke (Figure 6).

2. Remove the yoke bolt with the 1-1/8" socket wrench and the 5/8" Allen wrench (Figure 7).
3. Discard the original 1/2" acetyl washers; retain the two flat metal washers.
4. Reattach the yoke bolt with the replacement 1/2" acetyl washers and the original flat metal washers; secure the bolt with the new 3/4" lock nut.



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# 910003-32

Sterling™ shoulder bolt, washer  
and yoke bolt washer replacement kit

for Sterling and Sterling All-Terrain tow bars

## **Installation instructions**

