

**TRW Automotive**  
Commercial Steering Systems

## Service Bulletin #COL-158

### Tilt and Telescope Lock Adjustment Procedure for GEN II.5 Steering Columns

Released June 2004

#### NOTE

**This service procedure does not apply to GEN II Steering Columns.**

*This TRW Commercial Steering Systems' service bulletin has been written to help you repair commercial vehicles more efficiently. This bulletin should not replace your manuals; you should use them together. These materials are intended for use by properly trained, professional mechanics, NOT "Do-it-yourselfers". You should not try to diagnose or repair steering problems unless you have been trained, and have the right equipment, tools and know-how to perform the work correctly and safely.*

#### Tilt Lock Adjustment Procedure

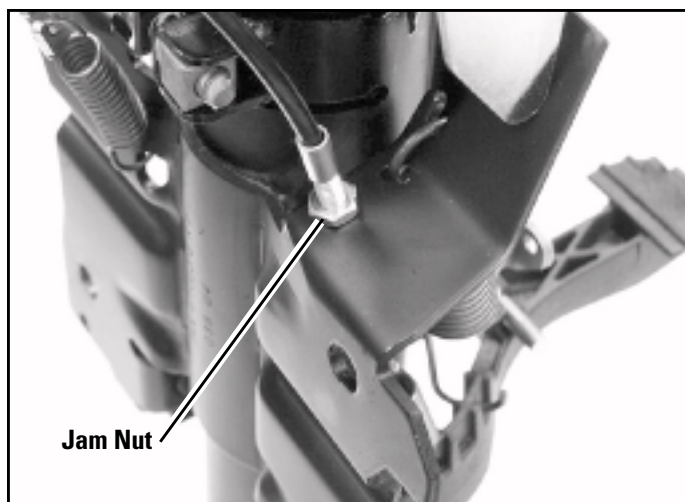
1. Stop the vehicle on a level surface; turn off engine, set parking brake, and chock tires.
2. Remove shrouds to allow access to upper column assembly.
3. Loosen cable jam nut located on top side of mounting bracket flange (Figure 1).
4. Adjust cable and remove all slack (Figure 2). Tighten to add cable slack and loosen to remove cable slack.

Now complete the following test to verify proper cable adjustment. Depress the pedal in the full down position. The tilt mechanism should unlock. Release the pedal, to the full up position. The tilt mechanism should now be locked.

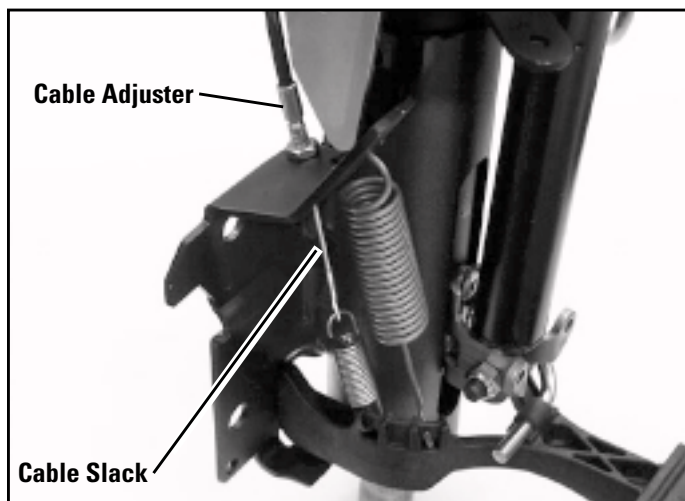
#### CAUTION

Removing too much cable slack can result in tilt lock mechanism remaining unlocked in all pedal positions. Adding too much cable slack can result in tilt lock mechanism not unlocking when pedal is in the full down position.

5. Torque cable jam nut to **25-30 in-lbs.**
6. Replace shrouds.
7. Remove chocks from tires.



**Figure 1**



**Figure 2**

## Telescope Lock Adjustment Procedure

1. Stop the vehicle on a level surface; turn off engine, set parking brake, and chock tires.
2. Remove shrouds to allow access to upper column assembly.
3. Mark position of telescope lock rod prior to adjustment (Figure 3).
4. Loosen lever bolt (Figure 4).
5. Adjust telescope lock by rotating lever relative to lock rod. Counterclockwise rotation will tighten telescope lock, clockwise rotation will loosen the telescope lock.

Now complete the following to verify proper telescoping function. Depress the pedal in the full down position. The telescoping mechanism should now unlock. Release the pedal to the full up position. The telescoping mechanism should lock.

### CAUTION

Too much rotation of the lever counterclockwise can result in telescope lock mechanism not unlocking when pedal is in the full down position. Too much rotation of lever clockwise can result in telescope lock mechanism not fully locking when pedal is in the full up position.

6. With the lock rod in the original position marked in Step 3 and the lever in its new position, torque the lever bolt to **145-150 in-lbs.**
7. Replace shrouds.
8. Remove chocks from tires.

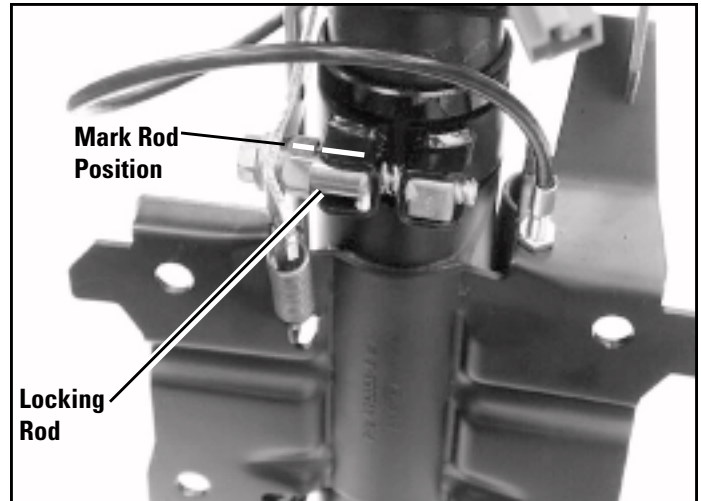


Figure 3

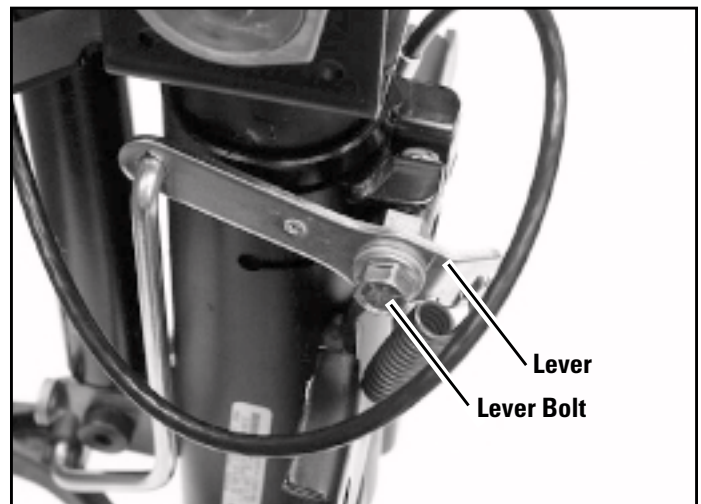


Figure 4

## TRW Commercial Steering Systems

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