

## TRW Automotive Commercial Steering Systems

### Service Procedure COL-164

#### Clockspring Replacement

September 2017

**NOTE** Set vehicle wheels in straight ahead position before beginning this procedure to prevent damage to clockspring.

**NOTE** Replacement clockspring is shipped with an anti-rotation feature. A broken or missing pull tab indicates clockspring coil is not in the correct position and should not be used.

#### Tools Required:

- 1/4 in. Socket
- Ratchet
- in-lbs torque wrench
- Slot head screw driver

1. Remove steering column shroud and steering wheel according to vehicle manufacturer's instructions.
2. Using a 1/4" socket or slot head screwdriver, remove (2) screws securing clockspring. **Figure 1**
3. Remove clockspring and mark it to prevent reinstallation of damaged clockspring.
4. Install new clockspring. **Figure 2**
5. Using a 1/4" socket and torque wrench, torque screws to 15-20 in-lbs. **Figure 3**

*This TRW Commercial Steering Systems' service procedure has been written to help you repair commercial vehicles more efficiently. This procedure 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.*

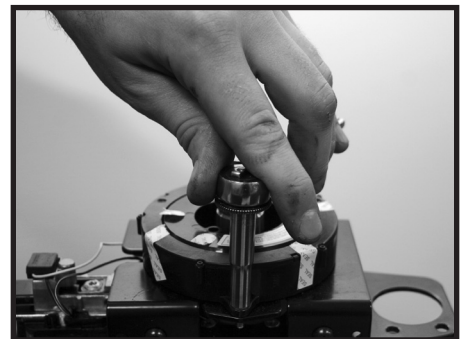


Figure 1

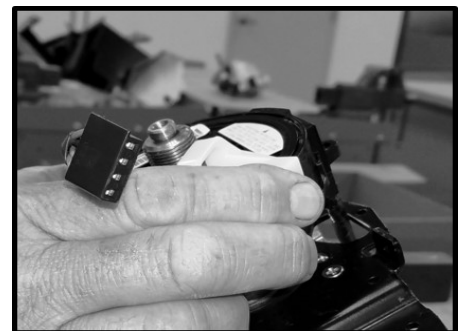


Figure 2

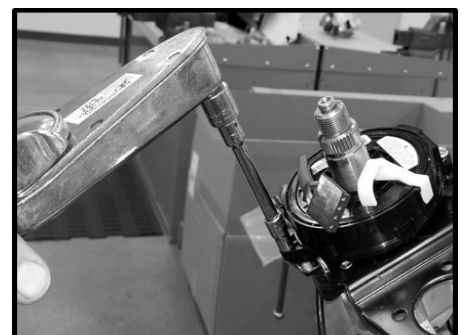


Figure 3

6. Remove clockspring pull tab. **Figure 4**

**CAUTION** Clockspring pull tab must be removed prior to installing the steering wheel. Failure to do so can damage the clockspring, steering wheel and steering column.

**CAUTION** To prevent damage to clockspring after pull tab is removed, do not allow clockspring to rotate until steering wheel is installed.

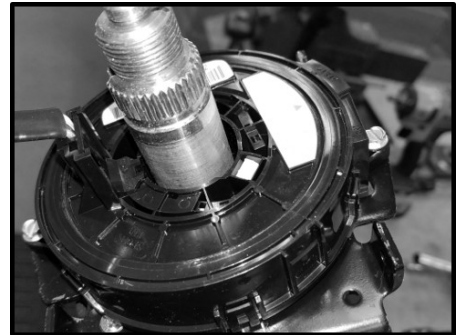
7. Inspect clockspring pull tab and verify it is removed correctly. **Figure 5**

**NOTE** A portion of the clockspring pull tab will remain in the clockspring.

8. Reinstall steering column shroud and steering wheel according to vehicle OEM instructions.



**Figure 4**



**Figure 5**