

TRW Automotive Commercial Steering Systems

Service Procedure # COL-176

Global Column Cable Replacement Kit Kit # 450215X1

Released November 2006

Tool List

- T27 Torx Drive/Socket - in-lbs Torque Wrench
- 13mm Socket
- Flat Blade Screw Driver

NOTE

This service procedure applies to all TRW Global Columns that have a remote cable system for adjusting the tilt and telescope functions.

NOTE

Take appropriate safety measures before beginning this procedure.

Cable Replacement Procedure

1. Remove lower shrouds and any shrouds covering the foot pedal according to vehicle manufacturers instructions. Be careful not to damage or scratch the shrouds since they will be re-installed. Save all fasteners for reuse.
2. Remove the gas spring from ball stud using a standard flat screw driver to lift the retaining clip. **Figure 1**
3. Remove the upper gas spring and cable connection.
4. Remove spring bracket by removing the 3 torx head screws using a T27 Torx driver. **Figure 2**
5. Install new spring bracket using the torx head screws included in the service kit. Torque screws to 25 in-lbs.
6. Install new ball stud onto the spring bracket using a 13mm socket. Torque the ball stud to 75 - 85 in-lbs
7. Install barrel fitting of cable into spring bracket and secure with retaining clip. **Figure 3**
8. Assemble gas spring and spacers on clevis as shown. One spacer is assembled on each side of the gas spring. **Figure 4**
9. Insert clevis pin with gas spring and spacers through the inner hole on the cam. Place eyelet of the cable onto the clevis pin. Secure with retaining clip. **Figure 5**

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.

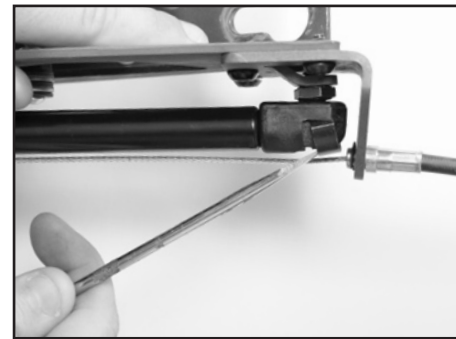


Figure 1 - Removing Gas Spring

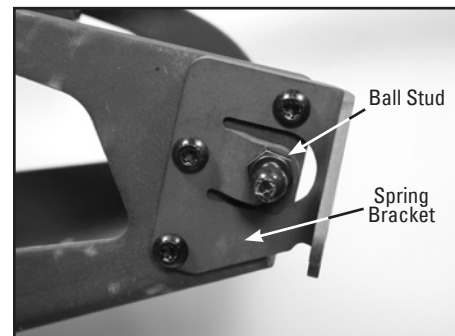


Figure 2 - Spring Bracket & Ball Stud



Figure 3 - Install Barrel Fitting

10. Assemble socket end of gas spring onto ball stud. **Figure 6**
11. See Fig. 7 and 8 for completed assembly.
12. Adjust pedal according to vehicle manufacturer instructions.
13. Reinstall shrouds according to vehicle manufacture instructions

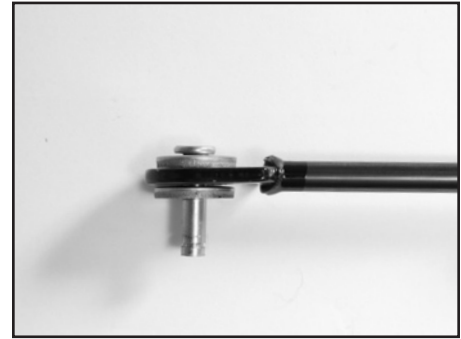


Figure 4 - Gas Spring Spacers & Pin



Figure 5 - Secure Clevis Pin



Figure 6 - Install socket End of Gas Spring



Figure 7 - Complete Assembly 1

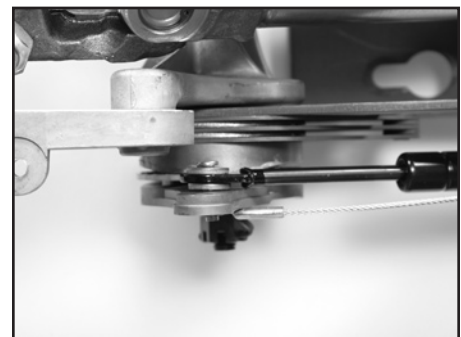


Figure 8 - Complete Assembly 2

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P.O. Box 60
Lafayette, IN 47902
Phone: 765.423.5377
Fax: 765.429.1868