

TRW Automotive Commercial Steering Systems

Service Procedure COL-128

Ford/Sterling/Freightliner On-Vehicle Tilt Mechanism Replacement.

November 2007

NOTE

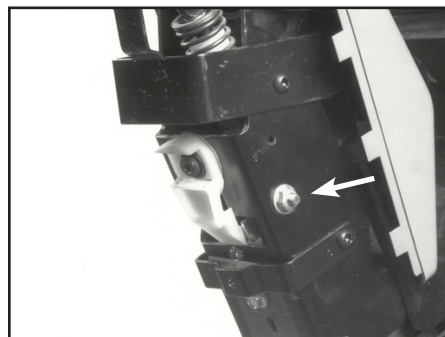
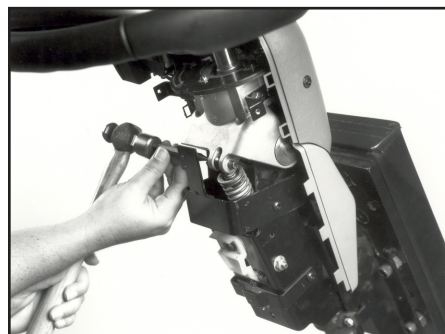
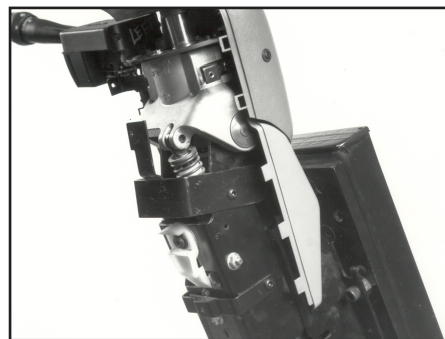
Take appropriate safety measures before beginning this procedure.

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.

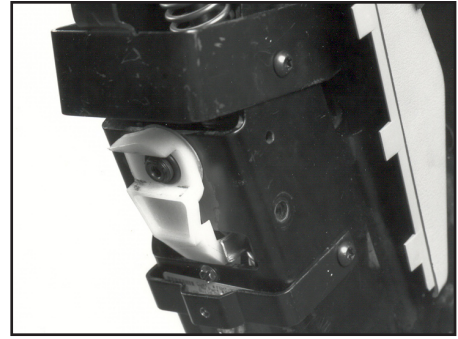
1. Prepare the column by completing the following:
 1. Remove the knee bolster.
 2. Remove the front panel of the top shroud.
 3. Put the column in the tilt up position to unload the spring.
 4. Remove the actuator handle.
 5. Remove the front panel of the lower shroud.

2. Drive the tilt pivot pin from the smaller hole toward the larger, with a punch.
Tilt the steering wheel up until it rests on the dash.

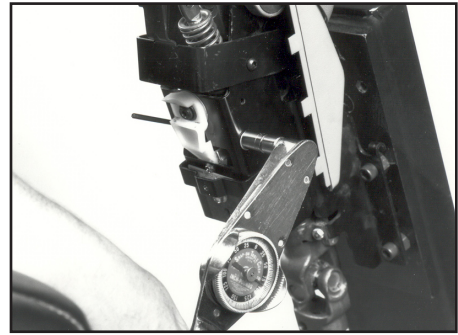
3. Remove the prevailing torque lock nut and washer. Lightly tap the shoulder screw with a hammer to begin removal. Use a punch to complete the removal if necessary. (7/16" socket, 5/32" Allen.) Maneuver the tilt lock mechanism out of the column.



4. Position the new tilt lock mechanism in the base unit so the lever is exposed through the window on the base unit and to the right of the actuator cam.



5. Align the tilt lock mechanism holes with the holes in the base unit, and replace the shoulder screw with the threads on the outside of the base unit. Replace the washer and prevailing torque lock nut. Torque the nut to 72-88 lbf•in.



6. Replace the tilt pivot pin through the other end of the tilt lock mechanism. Carefully line up the tilt pivot pin with the holes, and use a punch to tap the tilt pivot pin into place until it stops.



7. Reinstall the front panel of the lower shroud, the actuator handle (torque cap screw to 100-140 lbf•in.), the front panel of the top shroud and the knee bolster.

TRW Commercial Steering Systems

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