Universal Joint End Play Measurement for SA, SB, SF, and 414500 Series Intermediate Columns

Revised June 2006

1. Stop vehicle on a level surface; turn off engine, set parking brake, and chock tires.

2. Verify universal joint snap rings are secure in yoke assembly. See Figure 1.

3. Locate the weld yoke of the universal joint assembly. The universal joint assembly consists of two yokes, a weld yoke and a clamp yoke. The clamp yoke utilizes a clamp bolt to secure the assembly to a spline shaft. The weld yoke is welded to the main body of the intermediate column. See Figure 2.

4. Apply a sufficient load by hand (approximately ±10 lbs) to the weld yoke along the trunnion axis. See Figure 3.

5. Maximum allowable movement of the weld yoke relative to the clamp yoke is 0.125”. If the yoke movement is greater than 0.125”, either the cross shaft assembly should be replaced (see TRW Service Procedure #COL-151) with kit # SK000198 (non-greasable) or SK000275 (greasable), or intermediate column should be replaced. See Figure 4.

NOTE
Take appropriate safety measures before beginning this procedure.
6. Apply a sufficient load by hand (approximately ±10 lbs) to the weld yoke along the other trunnion axis. See Figure 5.

7. Maximum allowable movement of the weld yoke relative to the clamp yoke is 0.125". If the yoke movement is greater than 0.125", either the cross shaft assembly should be replaced (see TRW Service Procedure #COL-151) with kit # SK000198 (non-greasable) or SK000275 (greasable), or intermediate column should be replaced. See Figure 6.