

Steering Columns

AUDI 5000

DESCRIPTION

Audi 5000 has a 2-piece steering column/shaft assembly. Steering shaft has offset slip joint engaging flange tube. In a collision, gear box and flange tube may move rearward, but the force will not be transmitted through upper column shaft. A locking device prevents steering wheel from turning when ignition key is removed.

REMOVAL & INSTALLATION

REMOVAL

1) Disconnect battery ground cable. Loosen flange tube-to-pinion shaft clamp bolt. Pull off horn pad by hand. Remove steering wheel with puller.

2) Insert screwdriver through access hole at bottom of switch cover and loosen clamp. Remove switch assembly and disconnect ignition switch wiring. Place ignition switch in "ON" position.

3) Center punch shear bolts holding steering lock. Drill out shear bolts. Remove switch and unbolt mounting flange from under dash. Remove steering column and shaft as a unit.

INSTALLATION

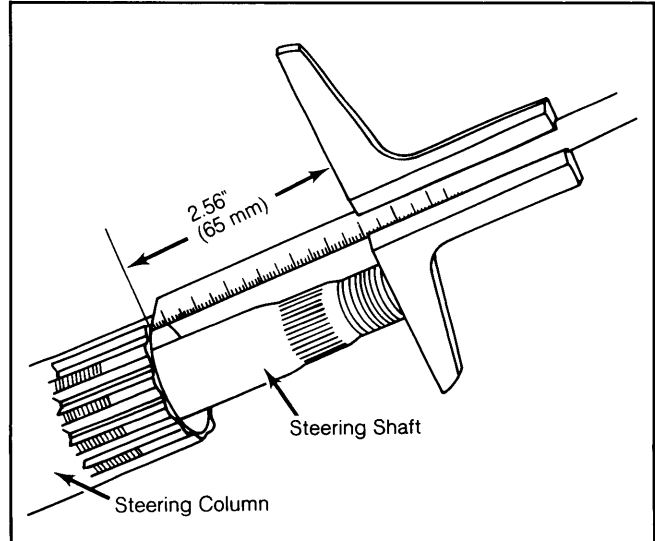
1) Place column assembly in vehicle. Install steering lock shear bolts finger tight and check operation of lock. Bolt mounting flange onto bracket.

2) Connect ignition wiring. Install flange tube over steering column pins and press on pinion shaft. Hold flange tube and shaft together with pliers and check length of shaft protruding from upper end of column. Adjust by moving flange tube on pinion shaft until distance is 2.56" (65 mm). See Fig. 2.

3) Tighten shear bolts until heads twist off. Install switch assembly flush with dashboard. With wheels in straight-ahead position, turn signal lever in middle position and canceling lug to right, install steering wheel.

4) Tighten steering wheel nut. Gap between wheel and switch assembly should be .118" (3 mm). Adjust if necessary and tighten flange clamp bolt on pinion shaft.

Fig. 2: Steering Shaft Installation Measurement



OVERHAUL

DISASSEMBLY

Remove retaining ring, spring and support ring. Pull steering shaft out of column from the bottom. If necessary, press bearing race out of column.

REASSEMBLY

Examine race and replace if excessively worn. Slide steering shaft back into column tube, then replace support ring, spring, and use a new retaining ring to lock in place.

Fig. 1: Exploded View of Audi 5000 Steering Column

