

Steering Column

TRIUMPH TR7

TR7

DESCRIPTION

Steering column houses both ignition switch and column lock device. Steering column is divided into upper and intermediate shafts. Shafts are coupled with flexible universals that attach to steering linkage.

REMOVAL AND INSTALLATION

STEERING COLUMN ASSEMBLY

Removal – 1) Disconnect battery ground. Take out pinch bolt securing upper universal to steering mast. Disconnect electrical harness from steering column and separate plug connectors (Fig. 1). Remove plastic cover from around steering column.

2) Center punch shear head bolts and use a small chisel to remove. With wheels facing in a straight ahead position, withdraw steering column, noting number and position of flat and concave washers.

Installation – 1) Fit steering column into lower bushing. Make sure flat and concave washers are properly repositioned. With wheels in straight ahead position and steering wheel centered, engage splines in upper universal coupling. Install and tighten pinch bolt.

2) Locate steering column on body, then align mounting holes. Insert new bolts and tighten evenly until heads shear. Reinstall plug connectors and attach harness to steering column. Fit plastic cover and reconnect battery.

INTERMEDIATE SHAFT

Removal – Remove pinch bolt mounting intermediate shaft to upper universal coupling. Remove pinch bolt at bottom securing intermediate shaft universal joint to rack pinion. With front wheels set in a straight ahead position, slide intermediate shaft upward disengaging it from universal joint on pinion shaft. Pull intermediate shaft downward to disengage from upper universal coupling.

Installation – To install intermediate shaft, reverse removal procedure and proceed with the following cautions: Ensure splines of intermediate shaft are completely engaged in upper universal coupling. Make sure steering wheel is in a straight ahead position. Make sure splines on rack pinion are properly engaged. Carefully tighten pinch bolt.

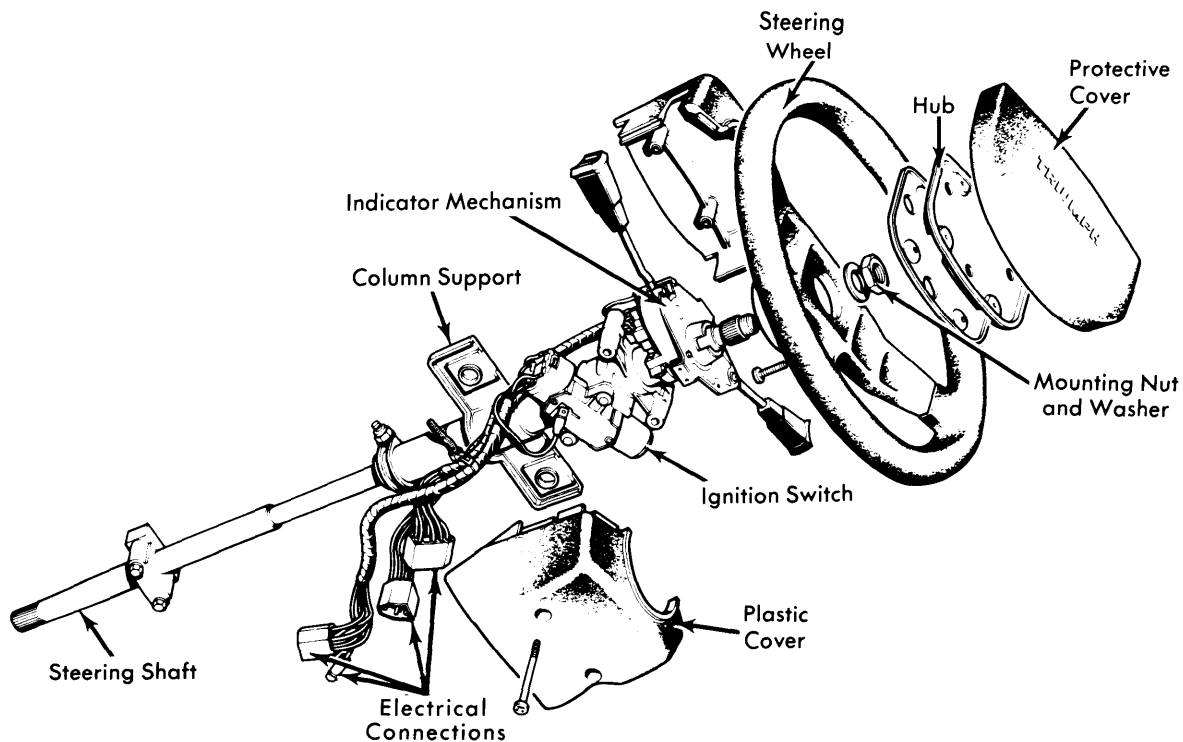


Fig. 1 Disassembled View of TR7 Steering Column

TRIUMPH TR7 (Cont.)

STEERING COLUMN UPPER UNIVERSAL COUPLING

Removal — Loosen pinch bolt attaching upper universal coupling to steering mast. Remove the pinch bolt mounting upper universal coupling to intermediate shaft. *NOTE* — *Steering wheel may have to be turned to allow removal of top pinch bolt.* Set wheels in a straight ahead position and slide upper universal coupling down intermediate shaft. Remove the two washers from shaft and note their position for reinstallation. Remove upper universal coupling from intermediate shaft.

Installation — To install upper universal coupling, reverse removal procedure and note the following important items: Make sure upper universal coupling seats on splines of intermediate shaft. Correctly position the two washers. Set wheels in a straight ahead position before engaging coupling in steering mast splines. Ensure both pinch bolts are tightened.

OVERHAUL

STEERING COLUMN ASSEMBLY

Disassembly — With steering column assembly removed from vehicle, remove the steering wheel spoke pad. Remove steering wheel from column. Remove shear head bolts. Withdraw column housing from steering mast. Remove nut and bolt securing clamp to steering mast and remove clamp. With a drift, remove top and bottom bushings from steering column housing.

Reassembly — Align slots in bushings with lugs in column housing, then press in bushings. Install steering lock in column housing and secure with shear bolts. Refit all electrical connectors and indicator control cams and arms. Tighten steering hub and wheel into position, then refit spoke cover.