TRIUMPH TR7 & TR8

DESCRIPTION

Steering column houses ignition switch, column lock, and light and wiper controls. The steering column is divided into upper and intermediate shafts which are coupled by universal joints.

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) To install steering column assembly, reverse removal procedures, noting the following: Make sure front wheels are in straight ahead position and steering wheel is centered. Check for proper positioning of flat and concave washers.

2) Align steering column mounting holes, then install new bolts and tighten evenly until heads shear. Tighten upper universal pinch bolt to specification.

INTERMEDIATE SHAFT

Removal – Remove pinch bolt mounting intermediate shaft to upper universal coupling and pinch bolt securing universal joint to rack pinion. With front wheels in straight ahead position, slide intermediate shaft upward to remove it from pinion shaft universal joint, then pull shaft downward to disengage from upper universal joint.

Installation – To install intermediate shaft, reverse removal procedure, noting the following: Make sure steering wheel is in straight ahead position and splines on intermediate shaft and rack pinion are fully engaged. Tighten pinch bolts to specification.

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.

TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (mkg)
Steering Wheel Nut	30-37 (4-5)
Column Clamp-to-Column	6-9 (.8-1.2)
Universal Joint Pinch Bolts	16-21 (2.2-2.9)

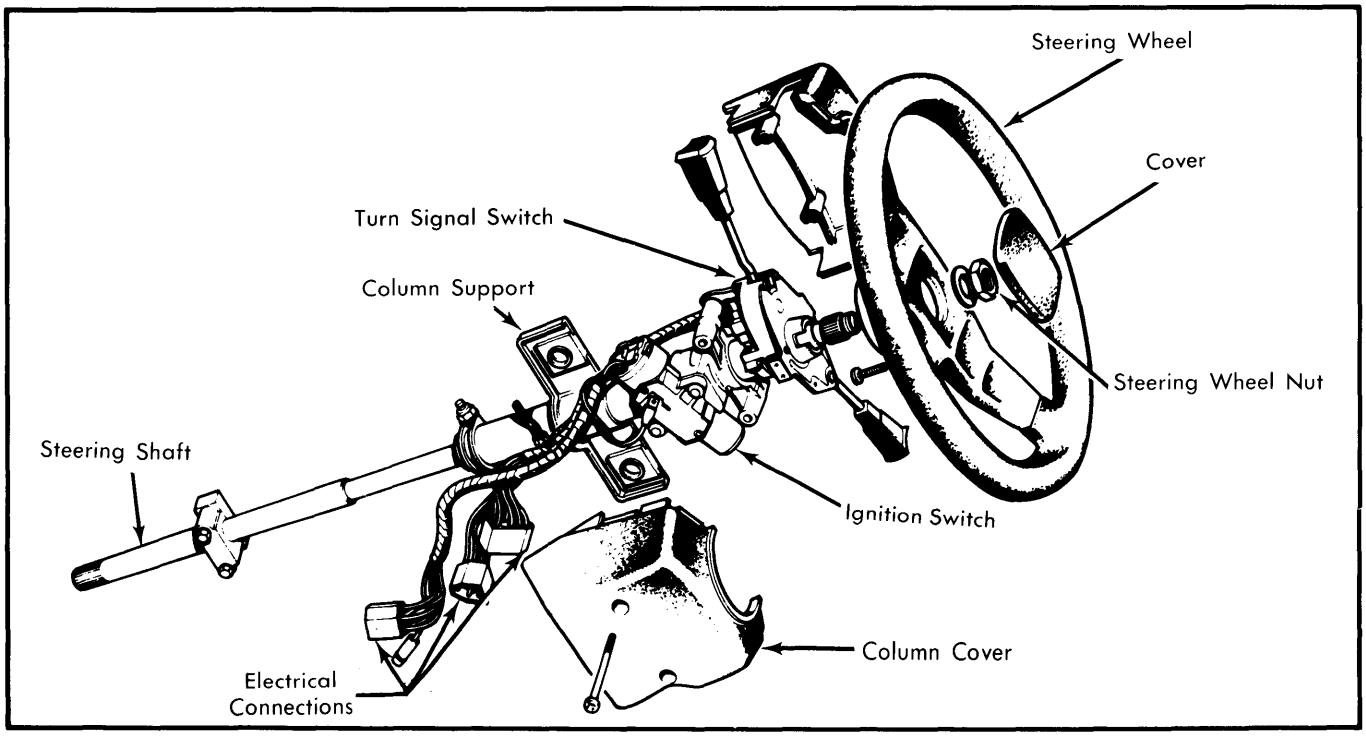

Fig. 1 Partially Disassembled View of TR7 & TR8 Upper Steering Column

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