

Steering Columns

TOYOTA COROLLA

Corolla

DESCRIPTION

Vehicles incorporate an energy absorbing steering column. The steering column is connected directly to the steering gear, having the steering worm as an integral part of the shaft. The column collapses on impact by shearing pin inserts. An expanded metal section of the column housing is also incorporated to assist in absorbing impact energy.

REMOVAL & INSTALLATION

Removal – 1) Remove steering wheel from shaft, disconnect turn signal switch wiring harness from under instrument panel, position turn signal in right turn position, loosen attaching screw, and remove turn signal switch.

2) Loosen steering column attaching screw under turn signal switch, and remove steering column from housing. Remove housing clamp from column tube, but do not loosen housing completely. *NOTE* – If necessary, column bushings may be replaced at this time.

3) Remove instrument panel undertray, if equipped. Remove steering column clamp (bracket). Disconnect speedometer cable from gear housing and disconnect wiring from oil pressure switch and water temperature sender.

4) Jack up front of vehicle and support with safety stands at side rails. Turn front wheels to left, then disconnect the pitman arm from sector shaft, using suitable puller (09610-12010). Remove engine stone shield. Unbolt gear housing from body, then pull entire gear and shaft assembly out from underside of vehicle.

Installation – Reverse removal procedure, noting the following: Temporarily attach column tube to instrument panel, to assist in proper alignment for bolting gear housing to body. Use a suitable feeler gauge and set a clearance of 0.1" (2.5 mm) between steering wheel hub and steering column tube. Adjust clearance by moving column housing.

NOTE – For disassembly procedures of gear and steering shaft assembly, see Toyota Corolla Recirculating Ball under STEERING GEARS & LINKAGE in this section.

TIGHTENING SPECIFICATIONS	
Application	Ft. Lbs. (mkg)
Steering Gear-to-Frame	22-33 (3.04-4.56)
Pitman Arm-to-Sector Shaft	58-87 (8.02-12.0)
Column Tube Clamp	22-33 (3.04-4.56)
Steering Wheel Nut	14-22 (1.94-3.04)