

TRANSMISSION REMOVAL & INSTALLATION - A/T

1993 Toyota Celica

1993 TRANSMISSION SERVICING
Toyota Transmission Removal & Installation

Toyota; Celica

AUTOMATIC

WARNING: On models with air bags, to prevent air bag deployment, disconnect negative battery cable at least 90 seconds before working on vehicle.

Removal

1) Disconnect negative battery cable. Wait at least 90 seconds before starting work, to prevent air bag deployment. Remove airflow meter and air cleaner. Disconnect all external electrical connectors to transaxle. Remove ground strap.

2) Disconnect transaxle throttle valve cable at throttle linkage and remove cable from bracket. Remove transaxle case protector and disconnect speedometer cable. Disconnect shift control cable at lever and remove from bracket.

3) Disconnect oil cooler hoses and remove starter motor bolts. Remove 2 upper transaxle-to-engine bolts. Remove insulator bracket set bolt for rear engine mount. Raise and support vehicle. Drain transaxle fluid. Disconnect and plug oil cooler hoses.

4) Remove left front fender apron. Disconnect both axle shafts from transaxle. Remove lower suspension crossmember. Using pliers, remove snap ring on center axle shaft bearing bracket. Remove bearing bracket bolt and pull center axle shaft assembly out.

5) Disconnect control cable clamp and remove crossmember bolts supporting center mounts of engine. Remove crossmember. Remove stabilizer bar and left steering knuckle from lower control arm.

6) Pull steering knuckle outward and remove left axle shaft. Remove bellhousing cover and remove 6 bolts attaching torque converter to drive plate.

7) Support engine with jack stand and secure transaxle jack under transaxle. Lower rear end of transaxle and remove remaining transaxle-to-engine bolts. Separate transaxle from engine and lower transaxle assembly.

Installation

1) Apply multipurpose grease to center hub of torque converter. Install one guide pin in threaded mounting pad of torque converter to align torque converter. Distance from torque converter drive lug to engine mating surface of transaxle should be at least .51" (13 mm). See Fig. 1.

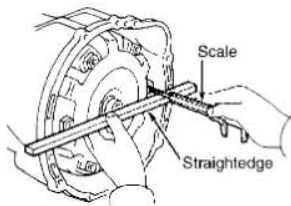


Fig. 1: Measuring Torque Converter Depth
Courtesy of Toyota Motor Sales, U.S.A., Inc.

2) Reverse removal procedure to complete installation of transaxle. Torque converter bolts are color coded. Install Gray bolt.

first, then the remaining 5 bolts. Tighten torque converter bolts to specification. See TORQUE SPECIFICATIONS.

3) Fill transaxle to proper capacity. Check and adjust throttle cable and control cable.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS TABLE

Application	Ft. Lbs. (N.m)
Celica	
Drain Plug	25 (34)
Drive Shaft Bolts	
Center Bearing Support	36 (49)
Transaxle Side	41 (56)
Differential Side	58 (79)
Exhaust Pipe Nut	43 (58)
Oil Cooler Tubes	25 (34)
Rear Center Crossmember	10 (14)
Starter Bolt	29 (39)
Torque Converter Clutch Bolts	25 (33)
Transaxle-To-Engine Bolts	
14-mm	27 (37)
17-mm	53 (72)