

TRANSMISSION REMOVAL & INSTALLATION - A/T

1998 Mitsubishi Montero

1997-98 TRANSMISSION SERVICING
Mitsubishi Transmission Removal & Installation

Diamante, Eclipse, Galant, Mirage, Montero, 3000GT

REMOVAL & INSTALLATION

AWD & FWD MODELS

Removal

1) On all models except Galant, remove battery and battery tray. On 3000GT, remove washer tank. On all models, remove air cleaner cover with air inlet hose assembly. Raise and support vehicle. Remove wheels. Remove undercover(s) (if equipped). Disconnect control cables at transaxle. Drain transaxle fluid.

2) On AWD models, remove front exhaust pipe. On all models, disconnect neutral safety switch connector, oil cooler hoses and electrical connectors from transaxle. Disconnect speedometer cable and throttle control cable (if equipped). Remove starter motor.

3) Separate tie rod end. Separate lower ball joint. Separate stabilizer bar connection (if necessary). Remove axle shafts. See appropriate AXLE SHAFTS article in DRIVE AXLES. Remove center crossmember assembly.

4) On AWD models, separate transfer assembly from transaxle. Reference mark transfer assembly-to-drive shaft and remove transfer assembly.

5) On all models, remove transmission inspection (dust) cover. Place index mark on torque converter and drive plate for reassembly reference. Remove torque converter-to-drive plate bolts. Push torque converter away from engine into transaxle.

6) On all 4-cylinder models, support engine. On all models, support transaxle with jack. Remove bolts from transaxle mounts. Remove mounting brackets and remaining transaxle-to-engine bolts. Slide transaxle assembly to right and lower to remove.

CAUTION: Ensure torque converter is fully seated in transaxle before installation. Always install new snap rings on inner constant velocity joints.

Installation

1) To install, reverse removal procedure. Tighten transaxle-to-engine bolts and torque converter-to-drive plate bolts to specification. See TORQUE SPECIFICATIONS.

2) Ensure reference marks on torque converter-to-drive plate and transfer assembly-to-drive shaft align. Tighten mounting bolts with weight of engine and transaxle on mounts. Refill transaxle fluid to specified level. See LUBRICATION in TRANSMISSION SERVICING - A/T article. Adjust all control cables. See ADJUSTMENTS in TRANSMISSION SERVICING - A/T article.

RWD & 4WD MODELS

Removal

1) Disconnect negative battery cable. On Montero 4WD, remove transfer case shift lever knob, dust boot and retainer plate or console. Remove transfer case gearshift assembly.

2) On all models, raise and support vehicle. Remove undercarriage cover and/or skid plate(s). Drain transmission and transfer case (if applicable). Place reference mark on drive shaft(s)

and remove. Disconnect all external solenoid and switch connections.

3) On Montero 4WD, remove catalytic converter and front exhaust pipe. On all models, disconnect speedometer cable and control cables at transmission. Remove starter and bellhousing cover. Place reference mark on torque converter and drive plate for reassembly reference. Remove torque converter bolts. Push torque converter back and away from drive plate.

4) Disconnect transmission cooler lines. Remove oil filler tube. Secure transmission on a jack. Raise transmission slightly to take weight off mount. Remove crossmember-to-mount bolts and crossmember.

5) Remove transfer case mounting bracket and mount (if equipped). Remove transmission-to-engine mounting bolts. Carefully lower transmission from vehicle.

CAUTION: Ensure torque converter is fully seated in transmission before installation.

Installation

1) To install, reverse removal procedure. Tighten transmission-to-engine bolts and torque converter-to-drive plate bolts to specification. See TORQUE SPECIFICATIONS. Tighten mount bolts with weight of engine and transmission on mounts. Ensure reference marks on drive shaft(s) and torque converter-to-drive plate are matched.

2) Apply sealant to transfer case gearshift assembly gasket before installation. Coat transmission oil filler tube "O" ring with transmission fluid before installation. Refill transmission fluid to specified level. See LUBRICATION in TRANSMISSION SERVICING - A/T article. Adjust all control cables. See ADJUSTMENTS in TRANSMISSION SERVICING - A/T article.

TORQUE SPECIFICATIONS

TORQUE SPECIFICATIONS - FWD MODELS

Applications	Ft. Lbs. (N.m)
Ball Joint Nut	74 (100)
Center Crossmember Assembly Front Bolt	69 (93)
Center Crossmember Assembly Rear Bolt	52 (70)
Starter Bolts	22 (30)
Tie Rod End Nut	21 (28)
Torque Converter-To-Drive Plate Bolt	33-38 (45-52)
Transaxle-To-Engine Block Bolt	
8-mm Bolt	(1)
10-mm Bolt	22-25 (30-34)
12-mm Bolt	31-40 (42-54)
Upper Coupling Bolts	
2.4L	35 (48)
3.0L	54 (73)
Lower Coupling Bolts	
2.4L	35 (48)
3.0L	65 (88)

(1) - Tighten to 84-108 INCH lbs. (10-12 N.m).

TORQUE SPECIFICATIONS - RWD MODELS

Applications	Ft. Lbs. (N.m)
Engine-To-Transmission Bolt	65 (88)

Torque Converter-To-Drive Plate Bolt	30	(41)
Transmission-To-Engine Block Bolt	55	(74)
