

# TRANSMISSION REMOVAL & INSTALLATION - A/T

## Article Text

1993 Mazda 929

For Techdoc Ltd.

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Thursday, March 25, 1999 12:14AM

## ARTICLE BEGINNING

1993 TRANSMISSION SERVICING

Mazda Transmission Removal & Installation

Mazda; 929

## AUTOMATIC

NOTE: On models with anti-theft radio system, obtain code number from customer to deactivate radio anti-theft system BEFORE disconnecting negative battery cable. To deactivate radio anti-theft system, turn ignition switch to ACC position. Press FF and REW buttons simultaneously until "cod e" is displayed. Press FF and REW buttons again until 4 bars are displayed. Use preset button No. 1 to enter first number. Use preset buttons No. 2, 3 and 4 to set other numbers. Press FF and REW buttons for about 2 seconds until a beep is heard. After 5 seconds, flashing "cod e" will go away and radio will operate.

## REMOVAL

1) Disconnect negative battery cable. Raise and support vehicle. Drain transmission fluid. Remove dipstick tube. Disconnect shift rod and 2 oxygen sensor connectors. Remove front exhaust pipe assembly from manifold flange to rear of muffler assembly.

2) Remove heat insulator shield. Mark drive shaft for reassembly reference, and remove drive shaft assembly. Install plug in rear of transmission to prevent fluid leakage. Disconnect speedometer cable. Remove starter. Disconnect neutral safety switch connector, 2 speed sensor connectors and solenoid valve connector. Disconnect pulse generator and knock sensor connectors.

3) Disconnect oil cooler lines at transmission. Disconnect vacuum hose, and remove torque converter access cover. Remove torque converter bolts. Support transmission using jack, and remove crossmember. Remove transmission mount, and lower transmission assembly.

## INSTALLATION

1) To install transmission, reverse removal procedure. Torque converter is correctly seated when distance between engine mating surface of converter housing and face of converter is at least 1.16" (30 mm).

2) Tighten bolts to specification. See TORQUE SPECIFICATIONS TABLE at the end of this article. Fill transmission with required amount of fluid, and check for external leaks.

## TORQUE SPECIFICATIONS

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### TORQUE SPECIFICATIONS TABLE

Application			Ft. Lbs. (N.m)
Crossmember-To-Frame Bolt	.....	32-45	(43-61)
Drive Shaft Center Support Bolt	.....	27-38	(37-52)
Drive Shaft Flange Nut	.....	36-43	(49-58)
Exhaust Pipe Nut	.....	30-41	(41-56)
Starter Bolt	.....	23-34	(31-46)
Torque Converter Bolt	.....	25-36	(34-49)
Transmission-To-Engine Bolt	.....	27-38	(37-52)
Transmission Mounting Bolt	.....	40-56	(54-76)

END OF ARTICLE