

2012 - Mazda6 - Transmission/ Transaxle

NO.20 NOISE OCCURS AT IDLE WHEN VEHICLE IS STOPPED IN ALL POSITIONS [AY6A-EL]

20	Noise occurs at idle when vehicle is stopped in all positions
DESCRIPTION	Transaxle is noisy in all positions when the vehicle is idling.
POSSIBLE CAUSE	- The malfunction is in the pressure solenoid or oil pump which causes a high-pitched noise to be emitted from the transaxle at idle. NOTE: - If a noise is emitted during shifting only, the malfunction is in the C1 clutch, C2 clutch, C3 clutch or B1 brake. - If a noise is emitted during shifting at certain gears only or during deceleration only, it is gear noise. - Before following the troubleshooting steps, make sure that the Automatic Transaxle On-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted. (See BASIC INSPECTION [AY6A-EL].)

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY IF MALFUNCTION CAUSE IS ENGINE CONTROL SYSTEM OR POWERTRAIN INSTALLATION LOOSENESS - Inspect engine condition. - Is there any engine concern (e.g. Rough idle)?	Yes Go to appropriate symptom troubleshooting. (See SYMPTOM DIAGNOSTIC INDEX [MZI 3.7 V6].) No - Inspect the following: - Engine mount installation - Transaxle installation - Exhaust system installation

			▪ Suspension installation ▪ Interference with drive train and body Repair or replace any malfunctioning parts according to the inspection result.
2	• Verify test results. ▪ If normal, return to the diagnostic index to service any additional symptoms. ▪ If malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. • If the vehicle is repaired, troubleshooting completed. • If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.		

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