

2012 - Mazda6 - Transmission/ Transaxle

NO.22 NO ENGINE BRAKING IN 1GR POSITION OF M POSITION [FS5A-EL]

22	No engine braking in 1GR position of M position	
DESCRIPTION	Engine speed drops to idle but the vehicle coasts when the accelerator pedal is released when in 1GR of M position at low vehicle speed.	
POSSIBLE CAUSE	- Clutch slippage, burnt (low and reverse brake) - Line pressure low - Shift solenoid D malfunction - Shift solenoid E malfunction - Shift solenoid C malfunction - Pressure control solenoid B malfunction - Control valve body malfunction - Body GND malfunction - Signal malfunction - APP sensor malfunction - VSS malfunction - Sensor GND malfunction - Input/turbine speed sensor malfunction - TCM does not determine that the M position switch is ON (short, or open circuit, poor operation) - M position switch signal malfunction NOTE: - Before following the troubleshooting steps, make sure that the Automatic Transaxle On-Board Diagnostic and Automatic Transaxle Basic Inspection are conducted.	

Diagnostic procedure

STEP	INSPECTION	ACTION
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1	INSPECT FOR TRANSAXLE SLIPPAGE MALFUNCTION - Do the following symptoms occur concurrently? - Engine flares up or slips during acceleration. - Engine flares up or slips when shifting.		YesGo to symptom troubleshooting NO.14 "ENGINE FLARES UP OR SLIPS WHEN UPSHIFTING OR DOWNSHIFTING" or No.15 "ENGINE FLARES UP OR SLIPS WHEN ACCELERATING VEHICLE". NoRepeat basic inspection and repair or replace any malfunctioning parts according to the inspection result. (See BASIC INSPECTION [FS5A-EL] .)
2	- Verify the test results. - If normal, return to the diagnostic index to service any additional symptoms. - If the malfunction remains, inspect the related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. - If the vehicle is repaired, troubleshooting is completed. - If the vehicle is not repaired or additional diagnostic information is not available, replace the TCM.		

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