

2012 - Mazda6 - Engine

NO.28 FUEL FILLING SHUT OFF CONCERNS [MZR 2.5]

28	FUEL FILLING SHUT OFF CONCERNS
DESCRIPTION	Fuel does not shut off properly.
POSSIBLE CAUSE	- Clogged EVAP pipes - Nonreturn valve malfunction - Fuel shut-off valve malfunction - Fuel nozzle malfunction - Fuel nozzle is not inserted correctly. - PCM DTC is stored. WARNING: The following troubleshooting flow chart contains the fuel system diagnosis and repair procedures. Read the following warnings before performing the fuel system services: - Fuel vapor is hazardous. It can easily ignite, causing serious injury and damage. Always keep sparks and flames away from fuel. - Fuel line spills and leakage are dangerous. Fuel can ignite and cause serious injuries or death and damage. Fuel can also irritate skin and eyes. To prevent this, always complete "BEFORE SERVICE PRECAUTION" and "AFTER SERVICE PRECAUTION" described in this manual. (See BEFORE SERVICE PRECAUTION [MZR 2.5].) (See AFTER SERVICE PRECAUTION [MZR 2.5].) CAUTION: Disconnecting/ connecting the quick release connector without cleaning it may possibly cause damage to the fuel pipe and the quick release connector. Always clean the quick release connector joint area before disconnecting/ connecting, and make sure that it is free of foreign material.

Diagnostic procedure

STEP	INSPECTION	RESULTS	ACTION
	VERIFY PCM DTC		

1	- Retrieve any DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) - Are there any DTCs displayed?	Yes	Go to the appropriate DTC inspection. (See DTC TABLE [MZR 2.5] .)
		No	Go to the next step.
2	DETERMINE IF MALFUNCTION CAUSE IS NONRETURN VALVE OR OTHER - Remove the fuel-filler pipe. - Make sure nonreturn valve is installed properly. - Inspect the nonreturn valve operation. - Is the nonreturn valve normal?	Yes	Inspect for the following: - Improper use of fuel nozzle - Fuel is not inserted correctly. - Fuel shut-off valve Repair or replace the malfunctioning part according to the inspection results.
		No	Nonreturn valve is installed improperly: - Reinstall the nonreturn valve to proper position. Nonreturn valve does not operate properly: - Replace the nonreturn valve.
3	- Verify test results. - If normal, return to diagnostic index to service any additional symptoms. (See SYMPTOM DIAGNOSTIC INDEX [MZR 2.5].) - If malfunction remains, inspect related Service Bulletins and/or On-line Repair Information and perform repair or diagnosis. - If vehicle is repaired, troubleshooting completed. - If vehicle is not repaired or additional diagnostic information is not available, reprogram the PCM if a later calibration is available. Retest.		

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