

2012 - Mazda6 - Engine

NO.25 A/ C DOES NOT CUT OFF UNDER WIDE OPEN THROTTLE CONDITIONS [MZI 3.7 V6]

25	A/C DOES NOT CUT OFF UNDER WOT CONDITIONS
DESCRIPTION	A/C compressor magnetic clutch does not disengage under WOT.
POSSIBLE CAUSE	- APP sensor malfunction - Loosely installed accelerator pedal

Diagnostic procedure

STEP	INSPECTION	RESULTS	ACTION
1	VERIFY A/ C SYSTEM OPERATION Does the magnetic clutch disengage when the A/C switch is turned off?	Yes	Go to the next step.
		No	Go to the symptom troubleshooting "NO.24 A/C IS ALWAYS ON OR A/C COMPRESSOR RUNS CONTINUOUSLY". (See NO.24 A/ C IS ALWAYS ON OR A/ C COMPRESSOR RUNS CONTINUOUSLY [MZI 3.7 V6] .)
2	VERIFY PCM DTC - Switch the ignition to ON (Engine off). - Retrieve any DTCs using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZI 3.7 V6] .) - Are there any DTCs displayed?	Yes	DTC is displayed: Go to the appropriate DTC inspection. (See DTC TABLE [MZI 3.7 V6] .)
		No	No DTC is displayed: - Inspect the APP sensor. (See ACCELERATOR PEDAL POSITION (APP) SENSOR INSPECTION [MZI 3.7 V6] .) - Repair or replace the malfunctioning part according to the inspection results.

3 Verify test results.

- If normal, return to diagnostic index to service any additional symptoms.

(See **SYMPTOM DIAGNOSTIC INDEX [MZI 3.7 V6]**.)

- 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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