

2012 - Mazda6 - Transmission/ Transaxle

DTC P0220:00 [AY6A-EL]

DTC P0220:00	Accelerator pedal position circuit
DETECTION CONDITION	• Conditions: TCM communication normal • Circumstances: Accelerator pedal position signal abnormality detected • Time period: Determined after 1 times Diagnostic support note: • The MIL illuminates if the TCM detects the above malfunction condition during the first drive cycle. • The AT warning light illuminates. • PENDING CODE is not available. • FREEZE FRAME DATA is available. • The DTC is stored in the TCM memory.
FAIL-SAFE FUNCTION	• Inhibits learning control • Inhibits TCC control • Inhibits slip control • Inhibits adaptive shift control • Fixes the accelerator pedal position open signal at 18.8%
POSSIBLE CAUSE	• PCM malfunction
SYSTEM WIRING DIAGRAM	—

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED	YesGo to the next step.

	Has the FREEZE FRAME DATA been recorded on the repair order?	No	Record the FREEZE FRAME DATA on the repair order, then go to the next step.
2	VERIFY RELATED REPAIR INFORMATION AVAILABILITY - Verify related Service Bulletins and/or on-line repair information availability. - Is any related repair information available?	Yes	Perform repair or diagnosis according to the available repair information. If the vehicle is not repaired, go to the next step.
		No	Go to the next step.
3	VERIFY DTC IS PRESENT - Switch the ignition ON (Engine off). - Read the DTC in the PCM. - Are any DTCs stored?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6] .)
		No	Go to the next step.
4	VERIFY DTC TROUBLESHOOTING COMPLETED - Make sure to reconnect all the disconnected connectors. - Clear the DTC using the M-MDS. - Perform the following procedure to ensure that the DTC has been resolved: - Start the engine. - Warm up the engine to normal operating temperature. - Drive the vehicle in D position for 0.5 s or more. - Is the same DTC present?	Yes	Repeat Step 3.
		No	Go to the next step.
5	VERIFY NO DTCs ARE PRESENT - Perform the "Reading DTCs Procedure". (See ON-BOARD DIAGNOSTIC SYSTEM DTC INSPECTION [AY6A-EL].) - Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See ON-BOARD DIAGNOSTIC SYSTEM DTC TABLE [AY6A-EL] .)
		No	DTC troubleshooting completed.

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