

2012 - Mazda6 - Engine

DTC P0297:00 [MZI 3.7 V6]

DTC P0297:00	Vehicle over speed condition
DETECTION CONDITION	P0297:00 indicates that the vehicle has been operated in a manner which caused the engine or vehicle to exceed a calibration limit.
POSSIBLE CAUSE	- Wheel slippage (water, ice, mud and snow). - Excessive engine rpm in neutral. - Vehicle drive at a high rate of speed.

Diagnostic procedure

STEP	INSPECTION	ACTION
1	VERIFY FREEZE FRAME DATA HAS BEEN RECORDED Has FREEZE FRAME DATA been recorded?	Yes Go to the next step.
		No Record 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 Service Bulletins available?	Yes Perform repair or diagnosis according to the available Service Bulletins. If the vehicle is not repaired, go to the next step.
		No Go to the next step.
3	INSPECT VEHICLE OPERATION - Check for: - Water, ice, mud and snow causing wheel slippage. - Excessive engine speed in N	Yes Vehicle is normal. Then go to the next step.
		No Clear DTCs and refer to "DIAGNOSTIC INDEX" if customer had any drive ability concerns. (See QUICK DIAGNOSTIC CHART [MZI 3.7 V6] .)

	(Neutral). ▪ Check whether the vehicle was driven at a high rate of speed. • Was the vehicle driven under any of the above conditions?		
4	VERIFY TROUBLESHOOTING OF DTC P0297:00 HAS BEEN COMPLETED • Verify that all disconnected connectors are reconnected. • Switch the ignition to ON (Engine off). • Clear the DTC from the PCM memory using the M-MDS. • Start the engine and run it at idle. • Retrieve DTCs using the M-MDS. • Is the PENDING CODE for this DTC present?	Yes	Repeat the inspection from Step 1. • If the malfunction recurs, replace the PCM. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6].) Go to the next step.
		No	Go to the next step.
5	VERIFY AFTER REPAIR PROCEDURE • Perform the "AFTER REPAIR PROCEDURE". (See AFTER REPAIR PROCEDURE [MZI 3.7 V6].) • Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [MZI 3.7 V6].)
		No	Troubleshooting completed.

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		No	Troubleshooting completed.