

2012 - Mazda6 - Engine

DTC P1397:00 [MZI 3.7 V6]

DTC P1397:00	System voltage out of self-test range
DETECTION CONDITION	This DTC indicates that the 12-volt system voltage is too high or too low during the KOEO or KOER self-test. It sets if the system voltage falls below or exceeds the calibrated threshold at any time during the KOEO or KOER self-test.
POSSIBLE CAUSE	Battery or charging system concern.

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 THE BATTERY - Switch the ignition off. - Inspect the battery. - Is the battery normal?	Yes Inspect charging system. (See QUICK DIAGNOSTIC CHART [MZI 3.7 V6].) If there is any malfunction, repair or replace malfunctioning part, then go to the next step.

		No	Replace the battery, then go to the next step.
4	VERIFY TROUBLESHOOTING OF DTC P1397:00 HAS BEEN COMPLETED - Verify that all disconnected connectors reconnected. - Clear the DTC from the PCM memory using the M-MDS. - Perform the KOEO or KOER self-test. (See KOEO/ KOER SELF TEST [MZI 3.7 V6] .) - Is the PENDING CODE for the DTC present?	Yes	Replace the PCM, then go to the next step. (See PCM REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		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.