

2012 - Mazda6 - Body and Accessories

DTC B1317 [AUTO LIGHT/ WIPER CONTROL MODULE]

DESCRIPTION	Battery voltage high
DETECTION CONDITION	Input voltage from the battery is excessively high
POSSIBLE CAUSE	• Battery malfunction • Generator malfunction • Auto light/wiper control module malfunction

Diagnostic procedure

STEP	INSPECTION	ACTION
1	PERFORM PCM DTC INSPECTION • Perform the PCM DTC inspection using the M-MDS. (See ON-BOARD DIAGNOSTIC TEST [MZR 2.5].) (See ON-BOARD DIAGNOSTIC TEST [MZI 3.7 V6].) • Are any DTCs present?	Yes Go to the applicable DTC inspection. (See DTC TABLE [MZR 2.5] .) (See DTC TABLE [MZI 3.7 V6] .)
		No Go to the next step.
2	INSPECT BATTERY • Inspect the battery. (See BATTERY INSPECTION [MZR 2.5].) (See BATTERY INSPECTION [MZI 3.7 V6].) • Is there any malfunction?	Yes Recharge or replace the battery, then go to Step 4. (See BATTERY RECHARGING [MZR 2.5] .) (See BATTERY RECHARGING [MZI 3.7 V6] .) (See BATTERY REMOVAL/ INSTALLATION [MZR 2.5] .) (See BATTERY REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No Go to the next step.

3	INSPECT GENERATOR - Inspect the generator. (See GENERATOR INSPECTION [MZR 2.5].) (See GENERATOR INSPECTION [MZI 3.7 V6].) - Is there any malfunction?	Yes	Replace the generator, then go to the next step. (See GENERATOR REMOVAL/ INSTALLATION [MZR 2.5] .) (See GENERATOR REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No	Go to the next step.
4	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the auto light/wiper control module memory using the M-MDS. (See CLEARING DTC [AUTO LIGHT/ WIPER CONTROL MODULE].) - Perform the auto light/wiper control module DTC inspection using the M-MDS. (See DTC INSPECTION [AUTO LIGHT/ WIPER CONTROL MODULE].) - Is the same DTC present?	Yes	Replace the auto light/wiper control module, then go to the next step. (See AUTO LIGHT/ WIPER CONTROL MODULE REMOVAL/ INSTALLATION .)
		No	Go to the next step.
5	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [AUTO LIGHT/ WIPER CONTROL MODULE] .)
		No	DTC troubleshooting completed.

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2	INSPECT BATTERY • Inspect the battery. (See BATTERY INSPECTION [MZR 2.5].) (See BATTERY INSPECTION [MZI 3.7 V6].) • Is there any malfunction?	Yes Recharge or replace the battery, then go to Step 4. (See BATTERY RECHARGING [MZR 2.5] .) (See BATTERY RECHARGING [MZI 3.7 V6] .) (See BATTERY REMOVAL/ INSTALLATION [MZR 2.5] .) (See BATTERY REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No Go to the next step.

3	INSPECT GENERATOR - Inspect the generator. (See GENERATOR INSPECTION [MZR 2.5].) (See GENERATOR INSPECTION [MZI 3.7 V6].) - Is there any malfunction?	Yes	Replace the generator, then go to the next step. (See GENERATOR REMOVAL/ INSTALLATION [MZR 2.5] .) (See GENERATOR REMOVAL/ INSTALLATION [MZI 3.7 V6] .)
		No	Go to the next step.
4	VERIFY TROUBLESHOOTING COMPLETED - Clear the DTC from the auto light/wiper control module memory using the M-MDS. (See CLEARING DTC [AUTO LIGHT/ WIPER CONTROL MODULE].) - Perform the auto light/wiper control module DTC inspection using the M-MDS. (See DTC INSPECTION [AUTO LIGHT/ WIPER CONTROL MODULE].) - Is the same DTC present?	Yes	Replace the auto light/wiper control module, then go to the next step. (See AUTO LIGHT/ WIPER CONTROL MODULE REMOVAL/ INSTALLATION .)
		No	Go to the next step.
5	VERIFY THAT NO OTHER DTCs ARE RECORDED Are any DTCs present?	Yes	Go to the applicable DTC inspection. (See DTC TABLE [AUTO LIGHT/ WIPER CONTROL MODULE] .)
		No	DTC troubleshooting completed.