

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922

**Subject:**

**CHECK ENGINE LIGHT ON WITH DTC P011B:00 WHEN USING  
ENGINE BLOCK HEATER**

**Bulletin No.: 01-014/21**

**Last Issued : 10/22/2021**

**APPLICABLE MODEL(S)/VINS****For Canada spec vehicles only**

2018 Mazda6 (SKYACTIV-G 2.5T) with VINS lower than JM1GL\*\*\*\*\*336737 (produced before December 21, 2018)

2018 CX-9 (SKYACTIV-G 2.5T) with VINS lower than JM3TC\*\*\*\*\*237358 (produced before June 30, 2018)

**DESCRIPTION**

Some vehicles may exhibit the CHECK ENGINE light on with DTC P011B:00 (Engine coolant temperature/IAT: Correlation error) when using an engine block heater which is set up by MCI as local accessory parts. Due to variation of block heater performance and environmental conditions against the SKYACTIV-G 2.5T engine, the PCM has difficulty detecting block heater operation. To eliminate this concern, the control software of the PCM has been modified to increase the margin for the block heater detection performance to the similar level as 2019 and later models.

Customers having this concern should have their vehicle repaired using the following repair procedure.

**REPAIR PROCEDURE**

1. Verify customer concern.
2. Reprogram the PCM with Mazda Modular Diagnostic System (M-MDS) using IDS **120.03** or later software. Refer to IDS Reprogramming Procedure.
3. Verify the repair by starting the engine and making sure there is no rough idle, CHECK ENGINE light ON or abnormal warning lights present.

**NOTE:** If any DTCs should remain after performing DTC erase, diagnose the DTCs according to the appropriate troubleshooting on MGSS.

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**CALIBRATION**

| Model  | Drive | File Name    |
|--------|-------|--------------|
| Mazda6 | -     | PYH7-188K2-E |
| CX-9   | 2WD   | PYD7-188K2-F |
|        | 4WD   | PYD8-188K2-F |

**WARRANTY INFORMATION****NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair **(Canada spec vehicles only)**.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

|                                 |                                                          |
|---------------------------------|----------------------------------------------------------|
| Warranty Type                   | A                                                        |
| Symptom Code                    | 99                                                       |
| Damage Code                     | 99                                                       |
| Part Number Main Cause          | 5555PCM01                                                |
| Quantity                        | 0                                                        |
| Operation Number / Labor Hours: | XXBH1ARX / 0.3 Hrs (Mazda6)<br>XXBH1BRX / 0.3 Hrs (CX-9) |

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