

Subject: CHECK ENGINE LIGHT ON WITH DTC P011B:00 WHEN USING ENGINE BLOCK HEATER	Bulletin No.: 01-014/21
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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.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical--including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

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) XXBH1BRX / 0.3 Hrs (CX-9)

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