

Subject: CHECK ENGINE LIGHT ON WITH DTC P0300:00 (MEXICO ONLY)	Bulletin No.: 01-012/24
	Last Issued : 12/03/2024

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

Mexico Spec.:

2022-2023 Mazda2 (Mexico built) vehicles with SKYACTIV-G 1.5 and M Hybrid with VINs lower than 3MD DJ**** ** 478272 (Produced before Aug. 2, 2023)

DESCRIPTION

Some vehicles may exhibit the check engine light ON with DTC P0300:00 (Random misfire detected) stored. This may be caused by a mis-detection of a misfire due to improper PCM control logic. To eliminate this concern, the PCM control logic has been modified.

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

REPAIR PROCEDURE

1. Verify the customer concern.
2. Reprogram the **PCM** with Mazda Modular Diagnostic System (M-MDS) using Mazda Diagnostic And Repair Software (**MDARS**). Refer to MDARS ECU Reprogramming Procedure.

NOTE:

- **Be sure to submit Diagnostic Information (ODR) data as it is a required item and will be checked during warranty claim submission. Instructions can be found under M-MDS -> MDARS (Uploading Diagnostic Information (ODR) Data).**
 - Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix.
 - After the reprogramming, pending DTC P2610:00 [PCM] may be stored without the CHECK ENGINE light ON. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.
3. Clear any other DTCs.
 4. Verify the repair by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

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

ECU	File Name (Old)	File name (New)
PCM	PV23-188K2-F	PV23-188K2-G

WARRANTY INFORMATION**NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- 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	6X
Damage Code	9W
Causal Part No.	5555-RP-PCM
Quantity	0
Operation No. and Labor Hours	XXWXWAFX/ 0.3 Hrs.

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.