

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922

**Subject:**

**CHECK ENGINE LIGHT ON WITH DTC P2229:00**

**Bulletin No.:** 01-008/20

**Last Issued:** 06/05/2020

**APPLICABLE MODEL(S)/VINS**

2018-2020 Mazda6 (US spec with SKYACTIV-G 2.5T) with VINS lower than JM1GL\*\*\*\*\*521425 (produced before December 27, 2019)

2019-2020 Mazda6 (Mexico spec with SKYACTIV-G 2.5T) with VINS lower than JM1GL\*\*\*\*\*521378 (produced before December 27, 2019)

**DESCRIPTION**

Some customers may experience the CHECK ENGINE light ON with DTC P2229:00 stored in PCM memory.

- P2229:00 (BARO sensor circuit high input)

This concern will most likely occur on vehicles that have aftermarket wax applied in the engine compartment. Aftermarket wax applied in the engine compartment may adhere on the breather hole located at the bottom of the PCM, which may collect dust and result in a plugged filter. This breather hole is actually a filter for the air pressure sensor in the PCM. When the PCM gets hot, the internal air pressure may rise due to the plugged filter and result in DTC P2229:00.



To eliminate this concern, the shape of the PCM bracket has been modified to not cover the breather hole and eliminate a gap between it and the PCM that may promote the residual liquid wax. Customers having this concern should have their vehicle repaired using the following repair procedure.

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**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.

## REPAIR PROCEDURE

1. Verify customer concern.

**NOTE:** If the breather hole is clogged, it is impossible to clean the filter. Do not attempt to disassemble the PCM.

2. Connect the Mazda Modular Diagnostic System (M-MDS) to the vehicle and perform vehicle identification.

3. Remove the PCM with the brackets from the vehicle according to the instruction on MGSS (PCM REMOVAL/INSTALLATION [SKYACTIV-G 2.5T]).

**NOTE:** Visually check if the clearance between the PCM and the lower bracket is narrow and/or the breather hole looks dirty. If not, there may be other cause.

3. Install a new PCM with a modified lower bracket in the reverse order of removal.

4. Perform the PCM configuration and the immobilizer system-related part programming according to the instructions on MGSS.

5. Verify repair.

## PARTS INFORMATION

| Parts Number | Description                | Qty. | Notes       |
|--------------|----------------------------|------|-------------|
| PYH7-18-885A | Bracket                    | 1    |             |
| PYFL-18-881  | Module, Powertrain Control | 1    | US spec     |
| PYFN-18-881  | Module, Powertrain Control | 1    | Mexico spec |

**NOTE:** MASH authorization is required for PCM replacement.

## WARRANTY INFORMATION

### NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Federal Emission Warranty or California Emission Warranty.
- Additional diagnostic time cannot be claimed for this repair.

|               |    |
|---------------|----|
| Warranty Type | A  |
| Symptom Code  | 6X |
| Damage Code   | 99 |

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|                                 |                     |
|---------------------------------|---------------------|
| Part Number Main Cause          | PYH7-18-885A        |
| Quantity                        | 1                   |
| Operation Number / Labor Hours: | XXS2FXRX / 0.4 Hrs. |

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