

<b>Subject:</b>  <b>CHECK ENGINE LIGHT ON WITH DTC P2229:00</b>	<b>Bulletin No.:</b> 01-008/20
	<b>Last Issued:</b> 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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## 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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