

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

CHECK ENGINE LIGHT ON WITH DTC P0126:00

Bulletin No.: 01-006/26

Last Issued : 03/11/2026

BULLETIN NOTES**APPLICABLE MODEL(S)/VINS**

2026 CX-30 (Mexico built) SKYACTIV-G 2.5 vehicles with VINs lower than 3MV DM**** ** 141067 (Produced before Feb. 25, 2026)

2026 Mazda3 (Mexico built) SKYACTIV-G 2.5 vehicles with VINs lower than 3MZ BP**** ** 508441 (Produced before Feb. 25, 2026)

2026 Mazda3 (Japan built) SKYACTIV-G 2.5 vehicles with VINs lower than JM1 BP**** ** 878193 (Produced before Feb. 25, 2026)

NOTE: Vehicles with SKYACTIV-G 2.0/2.5T are not applicable to this service information.

DESCRIPTION

Some customers may experience the check engine light on with DTC P0126:00 (Thermostat stuck open) stored. This is due to improper PCM logic control. To eliminate the concern, the PCM control software 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 ECU with the 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).

3. Clear any other DTCs.
4. Verify the repair by starting the engine (READY ON) and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

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CALIBRATION

ECU	Model	File Name (Old)	File Name (New)	Actual time to reprogram
PCM	Mazda3	PW5X-188K2-C	PW5X-188K2-D	3 min.
		PW6A-188K2-B	PW6A-188K2-C	
		PW6B-188K2-B	PW6B-188K2-C	
		PW8A-188K2-B	PW8A-188K2-C	
		PW8B-188K2-B	PW8B-188K2-C	
	CX-30	PW7E-188K2-B	PW7E-188K2-C	

NOTE: This Service Information is only applicable for vehicles using the above calibration files.

WARRANTY INFORMATION**NOTE:**

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

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXX5PXFX / 0.3 Hrs.

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