

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject:

[TEMPORARILY SUSPENDED] CHECK ENGINE LIGHT ON WITH
DTC P0531

Bulletin No.: 07-001/25

Last Issued : 01/10/2025

BULLETIN NOTES

This TSB supersedes the previously issued TSBs and SA(s) listed below.

Previous TSB / SA:	Date(s) Issued:
07-001/25	01/07/2025
07-004/24	12/23/24 and 08/06/24
SA-003/24	07/24/24 and 01/18/24
SA-084/23	12/22/23

APPLICABLE MODEL(S)/VINS

2024-2025 CX-90 PHEV with VINS lower than JM3KK*****219442 (produced before November 30, 2024)
2025 CX-70 PHEV with VINS lower than JM3KJ*****119506 (produced before November 14, 2024)

DESCRIPTION

[TEMPORARILY SUSPENDED]

Some vehicles may exhibit check engine light turned on at engine startup, with DTC P0531:00 stored in memory.

- DTC P0531:00 [PCM] - Refrigerant pressure sensor No.1 system: Function malfunction

This is caused by improper control logic of the PCM and the dash-electrical supply unit (Dash-ESU). To eliminate this concern, the control logic of the PCM and the Dash-ESU has been modified.

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

REPAIR PROCEDURE

[TEMPORARILY SUSPENDED] : A software issue has been identified with the Dash ECU "H" level, which impacts remote climate control setting functionality via the MyMazda app. To prevent further customer dissatisfaction, this TSB has been temporarily suspended and will remain in effect until updated software is released. Our development team is actively working to resolve the issue and will provide a software update as soon as possible. Once the updated software is available, this message will be removed, and the associated TSB repair procedure will be reinstated. For vehicles with this DTC stored, it is recommended that the DTC be erased and wait for the upcoming software update.

We apologize for any inconvenience this may cause and appreciate your patience as we work to implement a solution.

Page 1 of 4

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CALIBRATION

CX-90:

ECU	File Name (Old)	File Name (New)	Note
PCM	MS05-186K2-W	MS65-186K2-A	Without 1500W AC power outlet
	MS06-186K2-W	MS66-186K2-A	With 1500W AC power outlet
ECM	PXRC-188K2-T	PXRC-188K2-U	---
TCM	PXPN-21PS1-H	PXPN-21PS1-J	---
DASH-ECU	KMV6-66S11-G	KMV6-66S11-H	[SUSPENDED]

CX-70:

ECU	File Name (Old)	File Name (New)	Note
PCM	MS18-186K2-H	MS18-186K2-J	Without 1500W AC power outlet
	MS19-186K2-H	MS19-186K2-J	With 1500W AC power outlet
ECM	PW64-188K2-F	PW64-188K2-G	---
TCM	PW64-21PS1-F	PW64-21PS1-G	---
DASH-ECU	KMV6-66S11-G	KMV6-66S11-H	[SUSPENDED]

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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 Powertrain Warranty, California Emission Warranty (long term), TZEV Emission Warranty or Federal Emission Warranty (long term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-18-6B1
Quantity	0
Operation Number / Labor Hours:	XXWSNCFX / 0.3 Hrs. (without TCM reprogramming) XXWSNDFX / 0.8 Hrs. (with TCM reprogramming)

Page 4 of 4

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