

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

A/C SYSTEM INOPERATIVE DUE TO COMPRESSOR NOT ACTIVATING

Bulletin No.: 07-003/25

Last Issued : 04/04/2025

BULLETIN NOTES

This bulletin supersedes the previously issued Service Alert(s) listed below. The changes are noted in Red.

Previous SAs:	Date(s) Issued:
SA-002/25	02/28/25 and 01/16/25

APPLICABLE MODEL(S)/VINS

2024-2025 CX-90 PHEV (e-SKYACTIV) with VINS lower than Jm3KK*****234945 (produced before March 1, 2025)

2025 CX-70 PHEV (e-SKYACTIV) with VINS lower than Jm3KJ*****127963 (produced before March 1, 2025)

DESCRIPTION

Some vehicles may experience issues with the remote/timer air conditioners (pre-conditioning system) not working, or not functioning after activation.

NOTE: If DTC P0531 is present, see TSB 07-001/25.

This may be caused by improper control logic of the dash-electrical supply unit (Dash-ESU). To eliminate this concern, the control software of the Dash-ESU 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. Check for open recalls.

Are there any open recalls?

- **YES:** Perform the recalls first and claim the recall campaigns using the warranty information provided for the recalls, then go to the next step.
- **NO:** Continue to the next step.

3. Check the current software level of the DASH-ESU.

Is the current calibration file name the same (or a later suffix) as shown in the Calibration Files Information of this TSB?

- **YES:** This TSB does not apply; diagnose the issue using MGSS.
- **NO:** Continue to the next step.

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4. Reprogram the **DASH-ESU** with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

- **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).**
- If the current calibration file name in the ECU FILENAME screen is the same (or a later suffix) as shown in Calibration Files Information, reprogramming is not necessary.
- During reprogramming, after turning the ignition OFF/ON, reprogramming may not progress and instructions to turn the ignition OFF/ON may appear multiple times. This is not a failure of the system.
- 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 the DTC after all repair work is done.

5. Clear any other DTCs.

6. Verify the repair by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

NOTE:

- DO NOT start the engine with connected 12V battery charger because the power supply from the DCDC converter and the power supply from the 12V battery charger may interfere and cause warning lights to come on and DTCs to be stored.
- If any DTCs should remain after deleting them, diagnose the DTCs according to the appropriate Troubleshooting section in MGSS.

CALIBRATION

Model	ECU	File Name (Old)	File Name (New)
CX-70	DASH-ESU	KMV6-66S11-G or before	KMV6-66S11-J or later
CX-90	DASH-ESU	KMV6-66S11-G or before	KMV6-66S11-J or later

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

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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 New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	61
Damage Code	9W
Part Number Main Cause	5555-18-6B1
Quantity	0
Operation Number / Labor Hours:	XXX1KXFX/ 0.3 Hrs.

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