

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: "BATTERY SAVING MODE. DRIVE VEHICLE TO CHARGE BATTERY" MESSAGE FREQUENTLY APPEARS	Bulletin No.: 09-025/24
	Last Issued : 04/25/2024

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024 CX-90 with VINS lower then JM3KK*****161943 (produced before March 16, 2024)

DESCRIPTION

Some customers may experience a "BATTERY SAVING MODE. DRIVE VEHICLE TO CHARGE BATTERY" message (for 12V battery) that frequently appears in the instrument cluster with a warning sound. This concern may also occur after charging the 12V battery using a battery charger without disconnecting the negative terminal.

Sample message	"BATTERY SAVING MODE. DRIVE VEHICLE TO CHARGE BATTERY.
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In some cases the threshold for showing the warning message was too sensitive to prevent a battery from the unable-to-crank condition. To eliminate this concern, the control software of the Body Control Module (BCM) 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 **BCM** with the Mazda Modular Diagnostic System (M-MDS), using the Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

NOTE:

- **Be sure to submit 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 ODR Data).**
- Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix.
- 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 DTC after all repair work is done.

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

NOTE [Except PHEV]: If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section in MGSS.

NOTE [PHEV]:

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- 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 then warning light comes up and DTCs are stored.
- If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section in MGSS.

CALIBRATION

Model	Type	ECU	File Name (Old)	File Name (New)
CX-90	MHEV (inline 6)	BCM_MAIN	KMW7-66S02-F	KMW7-66S02-G
		BCM_SUB(*)	KMV6-66S03-B	
	PHEV	BCM_MAIN	KMV6-66S02-G	KMV6-66S02-H
		BCM_SUB(*)	KMV6-66S03-B	

NOTE(*): For further updated BCM_MAIN file name, BCM_SUB file name may vary.

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under California Emission Warranty (Short term) or Transitional Zero Emission Vehicle (TZEV) Emission Warranty or GHG Emissions Regulation Remote Power Window Operation Defect Warranty.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	5555-67-560
Quantity	0
Operation Number / Labor Hours:	XXWLAXFX / 0.3 Hrs.

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