

JANUARY 6, 2026:

- **CLARIFIED TO ASK TECHNICIAN IF TCM HAD REPROGRAMMING (INITIAL LEARNING) OR NOT**
- **ALL 2026 VEHICLES DO NOT NEED TCM REPROGRAMMING**

2024-2026 CX-90 and 2025-2026 CX-70
Engine Warning Light Illumination with DTC P0DAB

CONDITION OF CONCERN

On certain subject vehicles, the engine warning light may illuminate, and the vehicle may be limited to engine-only operation due to activation of the fail-safe mode. Motor assist, i-stop and motor regenerative functions may be disabled, although the vehicle is safe to drive. The DTC P0DAB (Cell voltage variation malfunction) may be stored.

Causal factor: Improper software in the Powertrain Control Module (PCM) and - MHB in MDARS display - BECM (Battery Energy Control Module).

OUTLINE OF REPAIR

Reprogram the PCM and MHB with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic And Repair Software (MDARS).

Note: The TCM may or may not be reprogrammed, please see below for the claim type depending on whether the TCM was programmed or not programmed. All 2026MY vehicles do not require TCM programming. Older vehicles especially with recent software or campaign updates will already have the TCM at the latest software version and will not be programmed.

SUBJECT VEHICLES

Model	Subject VIN range	Subject production date range
2024-2026 MY CX-90 H3T M Hybrid Boost	JM3KK**** R1 100044 - 189861 JM3KK**** S1 189862 - 261073 JM3KK**** T1 350010 - 367752	From December 27, 2022 through November 17, 2025
2025-2026 MY CX-70 H3T M Hybrid Boost	JM3KJ**** S1 100014 - 134448 JM3KJ**** T1 200004 - 202573	From December 5, 2023 through November 17, 2025

- The asterisk symbol "*" can be any letter or number.

OWNER NOTIFICATION

No owner notification is required, but an explanation about the purpose (or outline) of repair and customer's agreement are required before starting the repair.

PARTS INFORMATION – There are no parts required for MSP66.

WARRANTY CLAIM PROCESSING INFORMATION

- Ask technician if TCM was reprogrammed (requires initial learning) or not. Then submit based on the result. MDARS sessions record TCM reprogramming and will be checked for accuracy.
- This repair will be covered under Mazda's Powertrain Limited Warranty.
- Additional diagnostic time cannot be claimed for this repair.
- Warranty pre-authorization is required if the vehicle is outside the Mazda's Powertrain Limited Warranty.

2024-2025 Vehicles only - USE ONLY FOR VEHICLES WITH TCM REPROGRAMMING (INITIAL LEARNING) - 2026MY VEHICLES ARE NOT APPLICABLE:

	2024-2025MY Vehicles only PCM and MHB reprogramming (with TCM reprogramming and initial learning)
Process Number	AS033A
Symptom Code	99
Damage Code	99
Causal Part Number & Qty	7777-SP-Z55 & 0
Labor Operation Code and Hours	1AS33AFX & 0.8 hrs.

USE ONLY FOR VEHICLES WITHOUT TCM REPROGRAMMING (INITIAL LEARNING): INCLUDES ALL 2026MY VEHICLES AND MANY 2024-2025 VEHICLES WITH RECENT SOFTWARE OR OTHER CAMPAIGN COMPLETIONS

	Vehicles that did not need TCM initial learning PCM and MHB reprogramming (without TCM initial learning)
Process Number	AS033A
Symptom Code	99
Damage Code	99
Causal Part Number & Qty	7777-SP-Z55 & 0
Labor Operation Code and Hours	1AS33BFX & 0.5 hrs.

Note: There is no Rental car program for this MSP. Please utilize MCVP, Uber, Lyft or other options under Mazda's Powertrain Limited Warranty.