

Subject: MHEV BATTERY AND PHEV ELECTRICAL LEAKAGE QUALITY CONCERNS UPDATE	Service Alert No.: SA-018/25
	Last Issued : 03/25/2025

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2025 CX-70

2024-2025 CX-90

DESCRIPTION

Important Note: This Service alert is intended as an early notification for upcoming software releases. Please refer to the latest dealer communications and MGSS for updated information.

CX-90 MHEV Battery:

Mazda is currently experiencing many backorders on MHEV Batteries (K6Y8-67-ZBXD). The issue causing most of the concerns is a cell imbalance inside the MHEV battery, which sets DTC P0DAB. The repair solution for this concern is to perform the software reflash and replace the battery as required.

The cell balancing issue is resolved with a software reflash starting in November of 2023 production and this software update is part of recall 7024J - SAFETY RECALL - MULTIPLE ECU'S REPROGRAMMING. Ensure this recall is completed on every CX-90 that comes into your dealer to prevent possible MHEV cell imbalance. As a reminder, the MHEV battery is warrantied 8 years/80,000 miles to support our customers through the life of their vehicle.

In terms of the MHEV Battery back-order status, as a result of significant efforts, including air-shipping hundreds of replacement batteries, we are projecting all current backorders will be filled by the last week of March 2025.

CX-90 and CX-70 PHEV Electrical Leakage:

Some customers have experienced an "electrical leakage fault" with DTC P0AA6 resulting in a no start condition after one key-cycle. Mazda has identified a PCM software programming issue that causes this DTC occurrence. Under current PCM logic, when P0AA6 detection occurs, the vehicle is prevented from restarting. The new software will be available in late March to reflash vehicles. This allows vehicles to be restarted if the fault is detected.

Should the DTC persist, perform normal MGSS service procedures for electrical leakage diagnosis.

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