

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922



Subject: CHECK ENGINE LIGHT ON AND MESSAGE IN INSTRUMENT CLUSTER WITH DTC P0DAB:17 AND/OR P0DAB:00	Service Alert No.: SA-001/25
	Last Issued : 01/09/2025

BULLETIN NOTES

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

Previous SAs:	Date(s) Issued:
SA-082/24	12/13/24

APPLICABLE MODEL(S)/VINS

2024 CX-90 MHEV (inline6) with VINS between JM3KKEHD6R1100044 - 170926 (produced between (December 27, 2022 - April 24 2024)

NOTE: MHEV battery software update started with April 25, 2024 mass production and Recall date also include mass production dates related to other issues.

DESCRIPTION

Some vehicles may experience the CHECK ENGINE light ON and the message "ENGINE HYBRID SYSTEM AND i-STOP MALFUNCTION" displayed in the instrument cluster with one or both of the following DTCs:

- P0DAB:17 is set in the MHB module.
- P0DAB:00 is set in the SGC2/DMCM module.

REPAIR PROCEDURE

1. Check for DTCs and confirm if DTC P0DAB:00 and/or P0DAB:17 are present.
 - If one or both DTCs are present, replace the MHEV battery according to the instructions on MGSS (M Hybrid Boost BATTERY REMOVAL/INSTALLATION [H3T]).
 - If the DTCs are not present, this SA does not apply.
2. Verify the PCM and the BECM are at the current software level available on MDARS.

NOTE: Replacement MHEV batteries may not have a current BECM level.
3. After the MHEV battery is replaced, perform any open recalls.

IMPORTANT: If your customer's vehicle is down due to the MHEV battery backorder please ensure any open recalls are performed and closed then wait until the battery arrives before fully closing out the customer's RO.
4. Test drive the vehicle and verify no other DTC's or symptoms are present.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.

PARTS INFORMATION

- MHEV batteries can be ordered through the normal part-ordering process through your parts department. MASH approval **is not** required on vehicles produced prior to April 25, 2024 with the code(s) listed in this Service Alert. You do not need to contact the Technical Hotline or create a MAR request for MASH authorization on these vehicles.
- MASH approval **is** required for all MHEV batteries on vehicles built on or after April 25, 2024. Vehicles built prior to April 25, 2024 with a MHEV battery failure not associated with these codes, also still require MASH approval.

NOTE: If your customer is impacted by the MHEV battery backorder, please refer to the Dealer Communication issued on December 16, 2024. This communication provides customer support options and guidance on utilizing the Mazda Courtesy Vehicle Program (MCVP) until the customer's vehicle can be repaired.

WARRANTY INFORMATION

Normal warranty applies.

CONSUMER NOTICE: The information and instructions in this bulletin are intended for use by skilled technicians. Mazda technicians utilize the proper tools/ equipment and take training to correctly and safely maintain Mazda vehicles. These instructions should not be performed by "do-it-yourselfers." Customers should not assume this bulletin applies to their vehicle or that their vehicle will develop the described concern. To determine if the information applies, customers should contact their nearest authorized Mazda dealership. Mazda North American Operations reserves the right to alter the specifications and contents of this bulletin without obligation or advance notice. All rights reserved. No part of this bulletin may be reproduced in any form or by any means, electronic or mechanical---including photocopying and recording and the use of any kind of information storage and retrieval system ---without permission in writing.