

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 : 10/16/2025

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-001/25	05/15/25, 04/17/25 and 01/09/25
SA-082/24	12/13/24

APPLICABLE MODEL(S)/VINS

2024 CX-90 MHEV (inline6) with VINS between JM3KK*****100044 - 170926 (produced between (December 27, 2022 - April 24 2024)

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.

Is recall 7024J open?

- **YES:** Go to: step 2.
- **NO:** Replace the MHEV battery (refer to the part information below) according to the instructions on MGSS (M Hybrid Boost BATTERY REMOVAL/INSTALLATION [H3T]), then go to step 4.

2. If one or both DTCs are present, replace the MHEV battery (refer to the part information below) according to the instructions on MGSS (M Hybrid Boost BATTERY REMOVAL/INSTALLATION [H3T]).

Page 1 of 2

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.

3. After the MHEV battery is replaced, perform recall 7024J and any open recalls.

IMPORTANT: If the customer's vehicle is down due to the MHEV battery backorder, make sure 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.

PARTS INFORMATION

Warranty Policy exception for Mild Hybrid Battery MHEV CX-90 and CX-70

- **MASH is no longer required for 48V MHB replacement.** Review Mazda Warranty Policies and Procedures Policy No.:3.28 for details.

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.