

Service Alert

Mazda North American Operations
Irvine, CA 92618-2922

**Subject:**

HYBRID SYSTEM WARNING LIGHT ON WITH DTC(S)
P143B,U04C0, U3008:01 BPS U3003:17 BPS - BAD SUB BATTERY
(UNDER PASSANGER FLOOR)

Service Alert No.: SA-030/26

Last Issued : 04/21/2026

BULLETIN NOTES

APPLICABLE MODEL(S)/VINS

2024-2026 CX-90 PHEV

2025-2026 CX-70 PHEV

DESCRIPTION

Some vehicles may experience one or more of the following DTCs with the Hybrid system warning light on. This may be caused by an issue with the sub battery located under the passenger floor.

- P143B Backup power supply system: Sub battery power supply low input.
- U3008:01 BPS Backup power supply unit input/output circuit over-current/voltage malfunction.
- U3003:17 BPS The output voltage sensor in the backup power supply unit detects that the voltage is standard or more.
- U04C0:00 PCM Backup power supply unit internal malfunction.

REPAIR PROCEDURE

1. Remove the sub battery according to the instructions on MGSS.

- CX-90 (LEAD ACID BATTERY (SUB) REMOVAL/INSTALLATION)
- CX-70 (LEAD ACID BATTERY (SUB) REMOVAL/INSTALLATION)

2. Test the battery's voltage using a digital voltmeter (DVOM) and record the result on the warranty claim.

NOTE: The DCA 8000 does not accurately test this small battery. You **DO NOT** need the DCA 8000 test printout for a warranty claim.

3. Install a new sub battery.

PARTS INFORMATION

Sub Battery	QTY
PXFV185EZA Yuasa YTZ7S	1

NOTE: If the sub battery is not available or on backorder, it is acceptable to source a battery using the same manufacturer and model (commonly used for motorcycles).

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.

Yuasa YTZ7S (AGM battery)

**WARRANTY INFORMATION**

Normal warranty applies.

NOTE: Locally sourced batteries can be claimed on warranty. Please contact the warranty team if you need help to submit a claim.

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.