

# Technical Service Bulletin

Mazda North American Operations  
Irvine, CA 92618-2922



<b>Subject:</b>  HYBRID SYSTEM FAILURE DISPLAYED ON METER WITH DTC P2530:12	<b>Bulletin No.:</b> 30-001/26
	<b>Last Issued :</b> 02/19/2026

## BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
30-001/25	06/30/25 and 05/15/25

## APPLICABLE MODEL(S)/VINS

2025 CX-50 Hybrid with VINS lower than 7MMVA\*\*\*\*\*124732 (produced before April 22, 2025)

## DESCRIPTION

Some customers may experience a hybrid system failure message appearing on the meter and the engine does not start, along with other numerous DTCs.

U0100:00-08:DASH_ESU	U0131:00-2E:PT_GWU	U2522:68-8C:DSC
B2009:92-08:DASH_ESU	U0140:00-2E:PT_GWU	U0100:00-08:EPB
B14F2:86-08:VCM	U0151:00-2E:PT_GWU	U0402:00-08:EPB
U0415:68-08:VCM	U0155:00-2E:PT_GWU	U0101:00-08:EPB
U0147:00-08:VCM	U0156:00-2E:PT_GWU	U0100:00-08:EPS
U0448:68-08:VCM	U0164:00-2E:PT_GWU	U0100:00-08:ISB_AMP
P2530:12-6C:Hybrid Control	U2121:00-2E:PT_GWU	U0101:00-08:ISB_AMP
U0140:00-08:WC_Qi	U212E:00-2E:PT_GWU	U0100:00-0A:BCM
U0073:00-2E:PT_GWU	U2131:00-2E:PT_GWU	U0101:00-0A:BCM
U010F:00-2E:PT_GWU	U213A:00-2E:PT_GWU	U213E:00-08:BCM
U0129:00-2E:PT_GWU	U0301:00-8C:DSC	U0147:00-08:BCM

This is caused by improper logic of the Powertrain Gateway Unit. To eliminate this concern, the control software of Powertrain Gateway Unit has been modified.

Customers having this concern should have their vehicle repaired using the following repair procedure.

**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.

**REPAIR PROCEDURE**

1. Verify the customer concern.
2. Reprogram the **PT\_GWU** with the Mazda Modular Diagnostic System (M-MDS), using Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

**WARNING: During module reprogramming, the engine cooling fan may turn on and off automatically. Keep hands, tools, and any objects clear of the cooling fan and other moving components in the engine bay during the reprogramming procedure.**

**NOTE: Be sure to submit Diagnostic Information (ODR) data as it is a required item and will be checked during warranty claim submission. Instructions can be found under M-MDS -> MDARS (Uploading Diagnostic Information (ODR) Data).**

3. Clear any other DTC.
4. Verify the repair by starting the engine (READY ON) and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

**CALIBRATION**

ECU	File Name (New)
PT_GWU	CW01-188K2-D
	CW04-188K2-G

**NOTE:** This TSB is only applicable for vehicles using the above calibration files.

**WARRANTY INFORMATION****NOTE:**

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Mazda's New Vehicle Limited Warranty term.
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	6X
Damage Code	9W
Part Number Main Cause	5555-67-GMX
Quantity	0
Operation Number / Labor Hours:	XXX25XFX / 0.3 Hrs.

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