

Subject: HYBRID SYSTEM FAILURE DISPLAYED ON METER	Bulletin No.: 30-001/25
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BULLETIN NOTES

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. 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.

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.

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.

EXPLANATION TO CUSTOMERS

Any ECU reprogramming resets the BCM's average fuel economy (remaining mileage). Therefore, the remaining mileage may change when the customer drives the vehicle after reprogramming. After learning the customer's average fuel consumption calculated over several drives, the remaining mileage will be displayed.

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.

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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