

The repair is a software update OR a check to make sure the software is at the current level with an ODR upload.

DO NOT STOP AT THE “SOFTWARE UPDATE SUMMARY” screen in MDARS. You must continue to finish all steps in the entire procedure. You must have a “Software Update” entry present in MDARS for the PT_GWU showing updated OR at the current level. If you don’t, bring the vehicle back in immediately for repair.

Module to be reprogrammed or checked to make sure it is at the current level:

- 1. PT_GWU**

2025MY - CX-50 Hybrid System Failure DTC P2530

Table of Contents - Links in this document are provided for all steps below

Flowchart	<u>Section A</u>
Repair Procedure.....	<u>Section B</u>
Campaign Label Installation	<u>Section C</u>

Vehicle Inspection Procedure and Preparation for Repair

1. Verify that the vehicle is within the following ranges and there is an OPEN SSPE0 campaign in eMDCS:

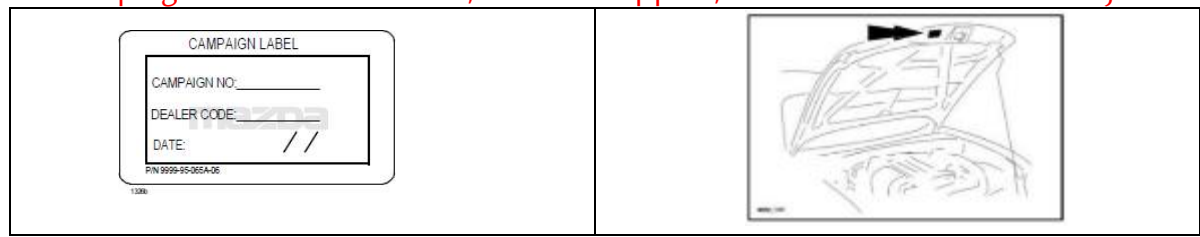
SUBJECT VEHICLES

Model	Subject VIN range	Subject production date range
2025MY CX-50 Hybrid	7MMVA**** SN 100047 – 125005	From September 4, 2024 through May 29, 2025

The asterisk symbol “*” can be any letter or number.

2. If the vehicle is in the range above and SSPE0 is in OPEN status in eMDCS, proceed to Step 2. If the vehicle does not have an OPEN SSPE0 status, return the vehicle to the customer or inventory.
3. Perform an eMDCS Warranty Vehicle Inquiry and inspect the vehicle for a Campaign Label with SSPE0 attached to the vehicle’s hood, driver door or firewall.

NOTE: Always be sure to verify the campaign number as the vehicle may have multiple campaign labels on the hood, radiator support, and firewall or driver door jamb.



eMDCS - Warranty Vehicle Inquiry Results

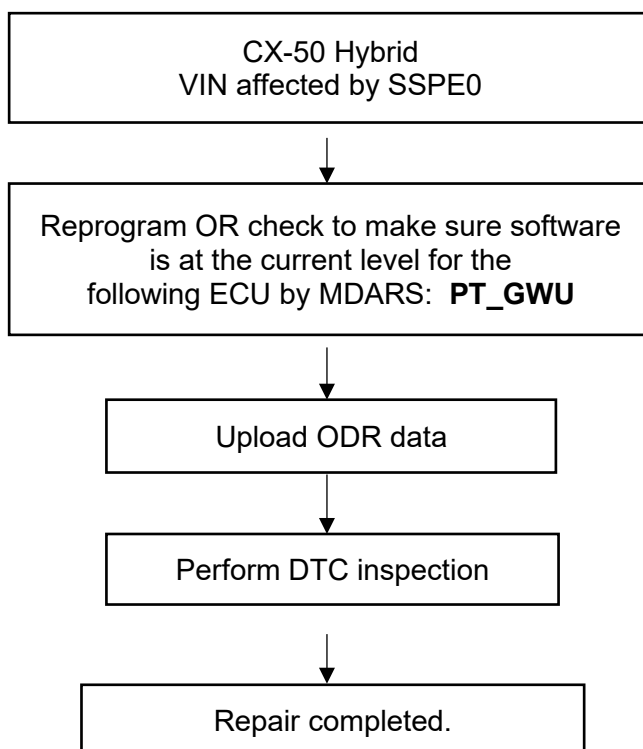
If eMDCS displays:	Campaign Label is:	Action to perform:
If no repair date is displayed on the line with CAMPAIGN SSPE0, the campaign has not been completed on this vehicle	Present	Fill out Dealer Recall Help on OneMazda contact or the Mazda Warranty Department at warrantydept@mazdausa.com to review vehicle history.
	Not present	Proceed to "REPAIR PROCEDURE".
If repair date is displayed for CAMPAIGN SSPE0, is "CLOSED"	Present	Return vehicle to inventory or customer.
	Not present	Complete a label and apply to vehicle's hood with repair date and dealer code from eMDCS Warranty Inquiry.
CAMPAIGN SSPE0 is not displayed	See Action	The vehicle is not affected by the SSP

TECHNICIAN LEVEL REQUIRED: CERTIFIED OR ABOVE (DOES NOT HAVE TO BE HYBRID CERTIFIED). Note: Technician repairing needs to be Certified or above and does not need to be Senior or Master as long as they have had the required training for ODR – Collection of Diagnostic Information.



CAUTIONS: DTC P2530:12 IS NOT REQUIRED TO BE PRESENT TO COMPLETE THIS REPAIR. Always check for an aftermarket device connected to the DLC port and remove before proceeding with connection.

Section A: Flow Chart: **NOTE: This Flow Chart needs to be followed strictly and the CAUTIONS must be read before proceeding**



-----END OF SECTION A-----

Section B: Repair Procedure

Reprogram ECUs by MDARS and follow all steps as required as outlined in Technical Service Bulletin (TSB) No. 30-001/26.

1. Click this link to perform the repair according to [Technical Service Bulletin \(TSB\) No. 30-001/26](#).
2. Upload ODR Data – You must perform an ODR Upload for all repairs. The ODR upload is required if the PT_GWU is at the current level **OR** you did reprogram the PT_GWU.
3. You must also wait 30 minutes to submit any warranty claim. If you do not wait, the claim will reject in the system.
4. Go into MDARS in “No Vehicle Connected” mode to verify installation. You must check that there is an entry in MDARS for “Software Update” for the PT_GWU module. There must be an entry if the PT_GWU is at the current level, **OR** you did reprogram the PT_GWU.

The screenshot shows the Mazda Diagnostic and Repair Software (MDARS) interface. At the top, there is a header with the Mazda logo, a user profile icon labeled 'tangle2', a VIN field, and a 'No Vehicle Mode' button. Below the header, there are tabs for 'Vehicle History' and 'DataLogger'. The main area displays a log of activities for February 12, 2026. A table highlights a successful software update for the PT_GWU module.

PT_GWU	OLD	NEW	Recovery Count
\$722 SW	CW01-188K2-C	CW01-188K2-D	0

Below the table, a list of activities is shown, with 'Software update' entries highlighted in red. The status bar at the top of the table indicates 'Status: SUCCESS' and 'Duration: 0 seconds'.

-----END OF SECTION B, PROCEED TO SECTION C.-----

C. Campaign Label Installation

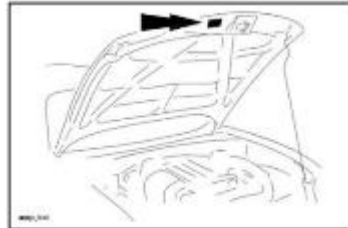
1. Fill out a Black “Campaign Label” (9999-95-055A-06) with Campaign #: “SSPE0”, your dealer code, and the repair date. **It is OK to bundle multiple campaigns on one label as long as each campaign is legible as Mazda vehicles may have more than 1 campaign.** Use more than one label if necessary.

CAMPAIGN LABEL	
CAMPAIGN NO:	_____
DEALER CODE:	_____
DATE:	__ / __ / __

PIN 9999-95-065A-06

1.3280

2. Affix it to the hood as shown. If you cannot place the label here, the radiator support, firewall or driver door jamb are acceptable locations:



END OF REPAIR PROCEDURE