

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: POWER LIFTGATE (PLG) CANNOT BE OPERATED WHILE STUCK
IN A PARTIALLY LATCHED OR FULLY OPENED/CLOSED
POSITION OR MAY REVERSE DIRECTION BEFORE FULLY
CLOSED

Bulletin No.: 09-023/25

Last Issued : 05/16/2025

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-031/23	11/08/23 and 09/15/23

APPLICABLE MODULE(S)/VINS

2024-2025 CX-90 (with PLG) with VINS lower than JM3KK*****241570 (produced before April 8, 2025)

2025 CX-70 (with PLG) with VINS lower than JM3KJ*****129382 (produced before April 8, 2025)

DESCRIPTION

Some vehicles may exhibit that the power liftgate cannot be opened while stuck in a partially latched or fully opened/closed position, or it may reverse and open just before fully closing, with the following DTCs possibly stored in memory.

- B1451:02 BCM - Motor return switch circuit malfunction
- B1456:62 BCM - Latch condition malfunction
- U2646:16 BCM - Power liftgate (PLG) control module low power supply voltage input

This may be caused by improper control software of the power liftgate control module. To eliminate this concern, the control software of the power liftgate control module has been modified.

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

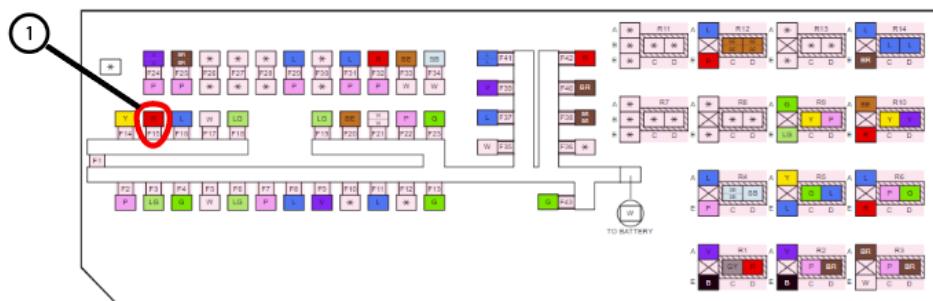
REPAIR PROCEDURE

1. Verify the customer concern.
2. Open the power liftgate to the fully open position.

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3. With the liftgate open, remove the F15-fuse (1) from the driver's side underhood fuse block (F-01) for at least 30 seconds and then reinstall to reset the power tailgate.



4. Reprogram the PLG using Mazda Diagnostic And Repair Software (MDARS). Refer to MDARS ECU Reprogramming Procedure.

NOTE:

- Reprogramming is not necessary if current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix..
- After the reprogramming, pending DTC P2610:00 [PCM] may be stored without MIL illumination. Since this DTC may turn to a current DTC depending on operations after the reprogramming, clear DTC after all repair work is done.

5. Verify the repair by checking the operation of the power tailgate and by starting the engine and confirming there is no CHECK ENGINE light ON or abnormal warning lights present.

NOTE:

- If any DTCs should remain after deleting DTCs, diagnose the DTCs according to the appropriate Troubleshooting section of the Workshop Manual.
- DO NOT start the engine with 12V battery charger connected because the power supply from the DC/DC converter and the power supply from the 12V battery charger may interfere, causing warning lights to come on and DTCs to be stored.

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.

CALIBRATION

Model	File Name (Old)	File Name (New)	Actual time to reprogram
CX-90	KMV7-626K2-L	KMV7-626K2-M	4 min
CX-70	KMV7-626K2-L	KMV7-626K2-M	

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

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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	41
Damage Code	9W
Part Number Main Cause	5555-62-6H0
Quantity	0
Operation Number / Labor Hours:	XXWFCAF / 0.3 Hrs.

NOTE: After the reprogramming, be sure to keep the copy of screen of the ECU FILENAME on M-MDS along with the repair order and warranty application sheet.

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