

Technical Service Bulletin

Mazda North American Operations
Irvine, CA 92618-2922



Subject: CHECK FUEL FILLER CAP MESSAGE IS DISPLAYED IN INSTRUMENT CLUSTER AFTER FIRST I-STOP	Bulletin No.: 09-031/22
	Last Issued : 10/19/2022

BULLETIN NOTES

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

Previous TSBs:	Date(s) Issued:
09-031/22	08/18/22

APPLICABLE MODEL(S)/VINS

2023 CX-50 (2.5L with turbo) with VINS lower than 7MMVA*****113061 (produced before August 4, 2022)

DESCRIPTION

Some vehicles may exhibit the "Check Fuel-filler Cap" message displayed in the instrument cluster. This is caused by improper control software of the PCM. When the room fuse is installed and i-stop is activated, the message will display in the instrument cluster for three seconds only one time and no message will return. To eliminate this concern, the control software of the PCM has been modified.

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

REPAIR PROCEDURE

1. Verify customer concern.
2. Reprogram the PCM with the Mazda Modular Diagnostic System (M-MDS) using MDARS ECU Reprogramming Procedure.
 - If current calibration file name in the ECU FILENAME screen is the same as shown in Calibration Files Information or with later suffix, reprogramming is not necessary.
 - 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 done.

NOTE: The parameter "Battery State of Charge (SOC)" is reset during PCM reprogramming procedure. Since the SOC value is necessary when performing "Battery condition initialization setting" after PCM reprogramming to decide whether battery charging is necessary or not, measure and record the PID "BATT_SOC" first by using M-MDS Data logger function before reprogramming the PCM.

3. After PCM reprogramming, conduct the battery condition initial setting using BATTERY CONDITION INITIALIZATION SETTING (i-stop SETTING).
4. Clear the DTC and turn the ignition off and get out of the car.

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5. Close and lock the door.
6. Wait for ten minutes or more.
7. Verify the repair by starting the engine and confirming there is no check engine light or abnormal warning lights present.

NOTE: If any DTCs should remain after deleting DTC, diagnose the DTCs according to the appropriate Troubleshooting section on MGSS.

CALIBRATION

Engine	Transmission	File Name
2.5L with Turbo	A/T	PXAC-188K2-F

WARRANTY INFORMATION

NOTE:

- This warranty information applies only to verified customer complaints on vehicles eligible for warranty repair.
- This repair will be covered under Federal Emission Warranty (long term) or CA Emission Warranty (short term).
- Additional diagnostic time cannot be claimed for this repair.

Warranty Type	A
Symptom Code	64
Damage Code	9W
Part Number Main Cause	5555-18-881
Quantity	0
Operation Number / Labor Hours:	XXW48XFX / 0.3 Hrs

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