



Mitsubishi Motors North America, Inc.

TECHNICAL SERVICE BULLETIN

SUBJECT:

CHECK ENGINE LIGHT WITH FAULT CODE P050A STORED

No: TSB-26-13-002

Version: 3

Reason for change: Updated
remedy and warranty sections

Date: June 25, 2026

TO: Mitsubishi Motors US and Puerto Rico Dealer Principals, General Managers, Sales Managers, Service Managers, Service Advisors, Parts Managers, Technicians and Warranty Administrators

AFFECTED VEHICLES

2026 Outlander with 4B40 Gen 2 Engine (Cut-off VIN JA4J4VAB1TZ053645)

GROUP

13 – Fueling

CUSTOMER COMPLAINT

Check engine light (CEL) is illuminated on the instrument panel. If a CEL is present, Advanced Driver Assistance Systems (ADAS) may be restricted or disabled.

CAUSE

Faulty Engine Control Unit Software.

REMEDY

Do not replace any parts. Perform the ECU software update, then carry out the battery disconnection procedure immediately after the successful installation. Refer to the battery disconnection procedure outlined below. **Software update addresses fault codes: P0128-00, P2096-00 and P050A.**

Ensure that the **MUT3-SE software version is #994 or higher** prior to proceeding. Perform the software update to the ECU and clear the Diagnostic Trouble Codes (DTCs).

Caution during reprogramming:

- Write down all the customer's electrical device settings such as A/C and radio before reprogramming and restore them after reprogramming
- Turn off all electrical devices to minimize the vehicle's electrical load. Also use an external power source to ensure that the vehicle battery maintains the specified voltage during reprogramming.
- Connect the MUT3-SE to an A/C power source to prevent internal battery discharge.
- Before using, make sure the USB cable and MUT3-SE main harness are not damaged.
- Do not perform maintenance work in the engine room during reprogramming. If the connection between the ECU and Electrical, Time and Alarm Control Unit (ETACS) is lost, the cooling fan operates. as fail-safe.

REPROGRAMMING PROCEDURE

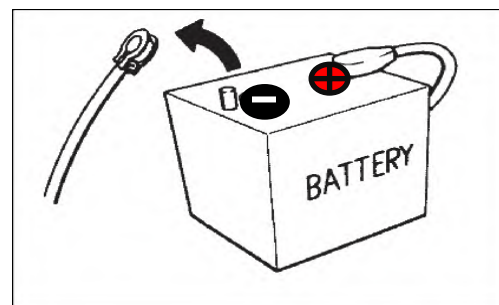
Model	Data No.	New HW Part No.	New SW Part No./Ver.	Target HW Part No.	Remarks
Outlander	23761W41.9PN	-	23761W419P	23703W013P	2WD CRUISE CONTROL
	23761W42.0PN	-	23761W420P		2WD ADAPTIVE CRUISE CONTROL
	23761W42.1PN	-	23761W421P		2WD MI-PILOT Assist
	23761W42.2PN	-	23761W422P		4WD CRUISE CONTROL
	23761W42.3PN	-	23761W423P		4WD ADAPTIVE CRUISE CONTROL
	23761W42.4PN	-	23761W424P		4WD MI-PILOT Assist

Please note: If the battery reset procedure is not completed following a successful ECU reprogramming, Diagnostic Trouble Codes (DTC) may reoccur due to the ECU retaining previously learned values.

HOW TO DISCONNECT 12V BATTERY TERMINAL

Disconnect 12V battery terminal according to instructions described below.

1. Open the hood.
2. Turn ignition switch to the ON position.
3. Turn ignition switch to the OFF position with the driver side door opened.
4. Get out of the vehicle and close the driver's side door.
5. Wait at least 3 minutes.



CAUTION:

During the waiting period, do not operate the vehicle in any way, including locking, unlocking, or opening and closing the doors. Failure to follow this caution may trigger the ACC power supply due to the Auto ACC function.

6. Remove 12V battery terminal.

CAUTION:

After installing 12V battery, always check the DTC of all ECUs and erase DTC.

WARRANTY

Labor Operation Code	Operation	Cause Code A	Nature Code B	Nature Code C	Quantity	Labor Time	Notes
138501BC	Version check + Engine ECU reprogramming + Battery reset	605	16	D	1	0.4H	For all affected MY26 Outlander

Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly perform diagnosis and repairs on Mitsubishi vehicles, using Mitsubishi Motors approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply that the described repairs are covered under warranty. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.