



Mitsubishi Motors North America, Inc.

TECHNICAL SERVICE BULLETIN

SUBJECT:

ABNORMAL NOISE FROM DYNAMIC SOUND YAMAHA ULTIMATE 12 SPEAKERS AND INOPERATIVE ACV/RCV FUNCTION

No: TSB-26-54-003

Version: 1

Reason for change: NA

Date: July 6, 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

2025-2026 Outlander

with the Dynamic Sound Yamaha Ultimate 12-speaker system and dual amplifiers.

Cut-off date: Mar 20, 2026

Cut-off VIN: JA4J4WAB7TZ035558

2025-2026 Outlander PHEV

with the Dynamic Sound Yamaha Ultimate 12-speaker system and dual amplifiers.

Cut-off date: Mar 21, 2026

Cut-off VIN: JA4T5WA98TZ035751

GROUP

54 – CHASSIS ELECTRICAL

CUSTOMER COMPLAINT

1. Continuous crackling noise coming from the front left and right door speakers or the subwoofer.
2. Popping noise occurring from the front left and right door speakers or the subwoofer approximately 5 minutes after the ignition is turned off.
3. Popping noise occurring during IG-ON or READY from any of the following: the front left/right tweeters, the front squawkers (left, right, or center), the rear left/right door speakers, or the rear left/right tweeters.
4. Inoperative Air Conditioner Compensated Volume (ACV) / Rain Compensated Volume (RCV) function.

[Terms]

- Woofer: Bass range speaker
- Squawker: Midrange speaker
- Tweeter: Treble range speaker
- Air-Conditioner Compensated Volume (ACV) :
A function that automatically adjusts volume to prevent music from being drowned out by noise increasing with the air conditioner airflow.
- Rain Compensated Volume (RCV) :
A function that automatically adjusts the volume to prevent music from being drowned out by noise that increases with rainfall.

CAUSE

- 1-3: Primary speaker amplifier software malfunction.
- 4: Primary speaker amplifier software misconfiguration.

REMEDY

Please reprogram the ECU - AUDIO AMP software.

Ensure that the **MUT3-SE software version is #995 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.
- Check the "All DTC" after reprogramming and erase them (if any).



DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS DURING THE REPROGRAMMING PROCESS AS IT COULD CAUSE THE CONTROL UNIT TO LOSE DATA. IF THE USB CABLE IS DISCONNECTED DURING THIS PROCEDURE, A WARNING MESSAGE WILL DISPLAY.

NOTE: Due to limited space in the engine compartment, it may be easiest to connect battery charger cable onto ground point.

Place the push-button switch in the "ON" position.



REPROGRAMMING CHART

Model	Data No.	New HW Part No.	New SW Part No./Ver.	Target HW Part No.	Target SW Part No./Ver.	Remarks
Outlander	283C0W00.3PN	28061W006P	283C0W003P	28061W004P	283C0W001P	-
Outlander PHEV						

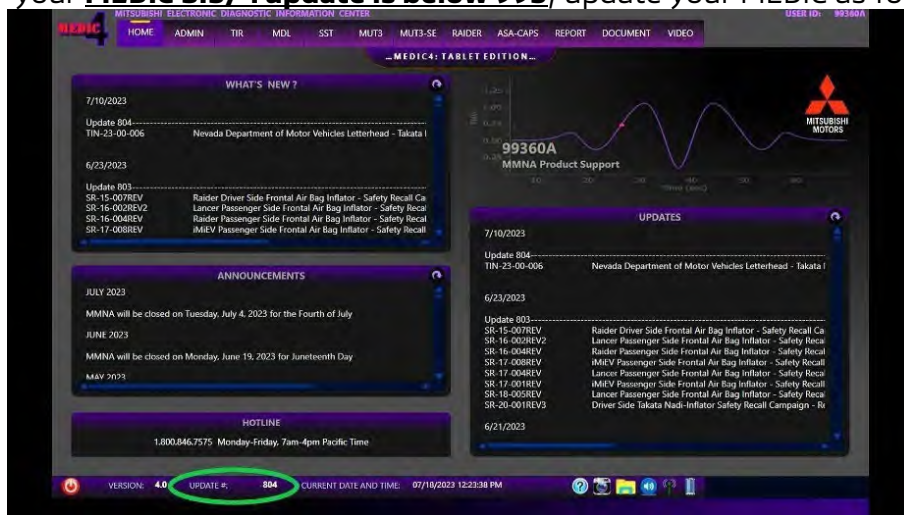
SOFTWARE/MEDIC VERSION VERIFICATION PROCEDURE

1. Verify that the ECU-AUDIO AMP has not already been updated to the latest S/W number in the chart above. If the ECU software is at the latest level, reprogramming is not necessary.

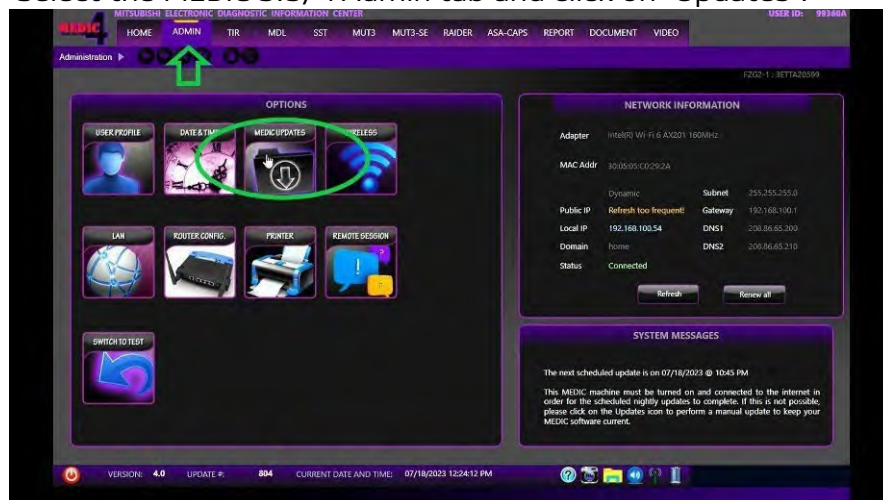
NOTE: Reprogramming the ECU-AUDIO AMP with the latest database (e.g., **SDB N260602NR**) includes all past and current reprogramming for TSBs of affected vehicles. It is not necessary to reprogram the ECU for each previous TSB.

For MEDIC 3.5/4 users only: (MUT-3 STV users go to step 5)

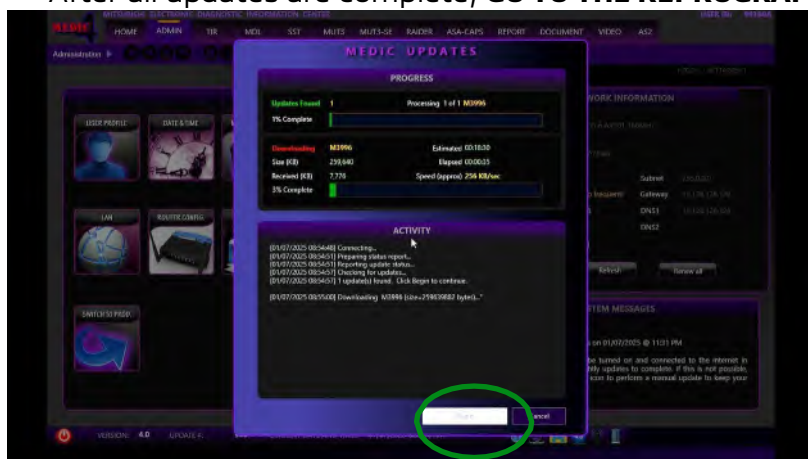
2. Verify the MEDIC 3.5/4 is at version 3.5 and at update **995** or higher.
If your **MEDIC 3.5/4 update is at least 995**, continue with the Reprogramming Procedure. If your **MEDIC 3.5/4 update is below 995**, update your MEDIC as follows:



3. Select the MEDIC 3.5/4 Admin tab and click on "Updates".

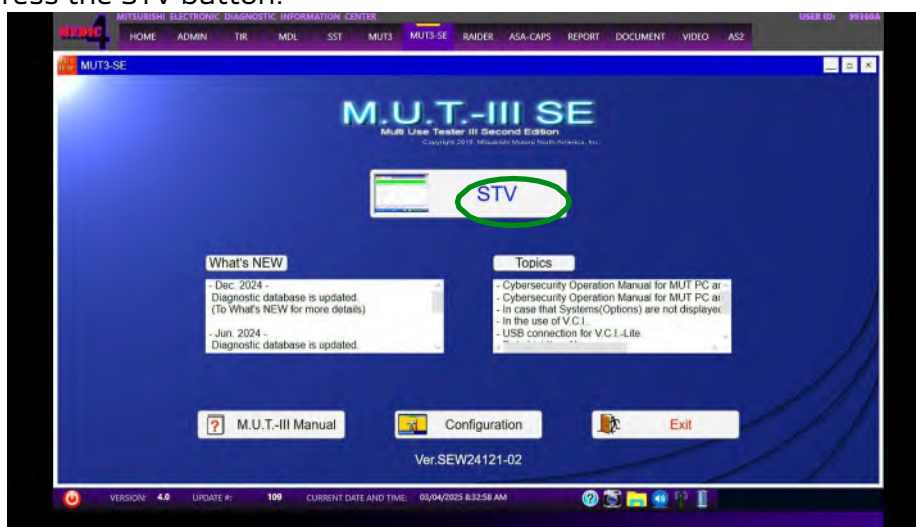


4. If the MEDIC update screen advises updates are available, click the "Begin" button. After all updates are complete, **GO TO THE REPROGRAMMING PROCEDURE.**

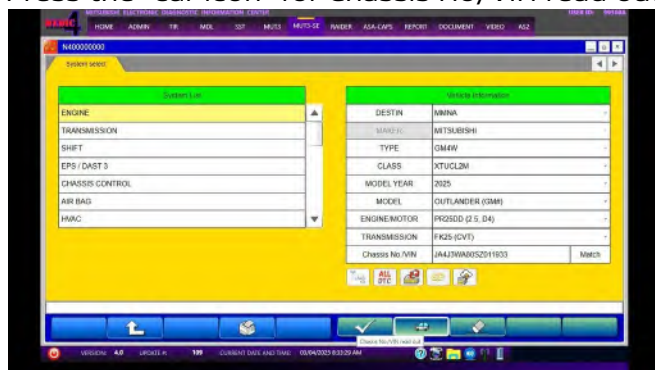


5. STANDALONE MUT-3 SE SCAN TOOL VIEWER (STV) ONLY: (MEDIC 3.5 USERS – GO TO THE REPROGRAMMING PROCEDURE.) Verify that your MUT-3 SE has the most current version of the reprogramming database from the MUT-3 SE Main Page.

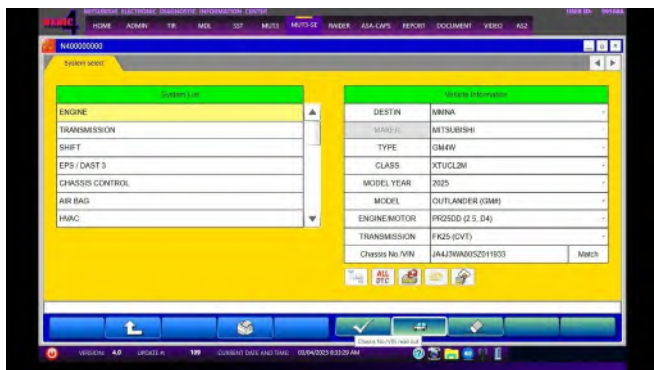
- a. Press the STV button.



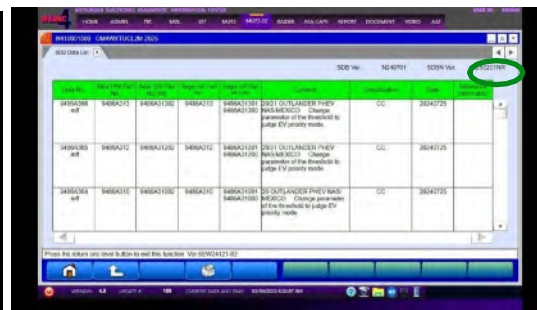
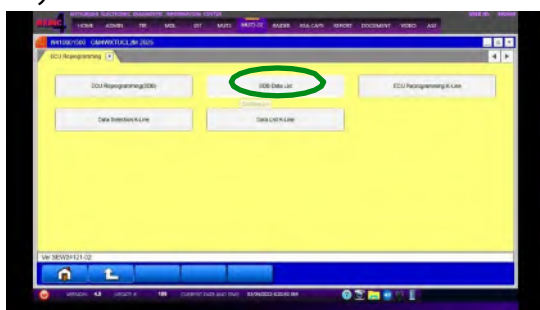
- b. Press the "car icon" for Chassis No/VIN read out.



- c. Confirm the vehicle information displayed is complete/correct, after selecting the appropriate class and Meter/M&A. Note: Class can be found on the B pillar.



- d. Press the "SDB Data List button", verify software information according to the chart in this bulletin (page 2) and the SBDN Version number at the top right (see below).
 - i. If the database number displayed on your MUT-3 SE is **N260602NR** or greater, continue to the next section.
 - ii. If the reprogramming database number displayed on your MUT-3 SE is lower than **N260602NR**, then the MUT-3 SE database needs to be updated.
 - iii. Once the database number is confirmed, press the Home button to go back to the System Select screen.



REPROGRAMMING PROCEDURE

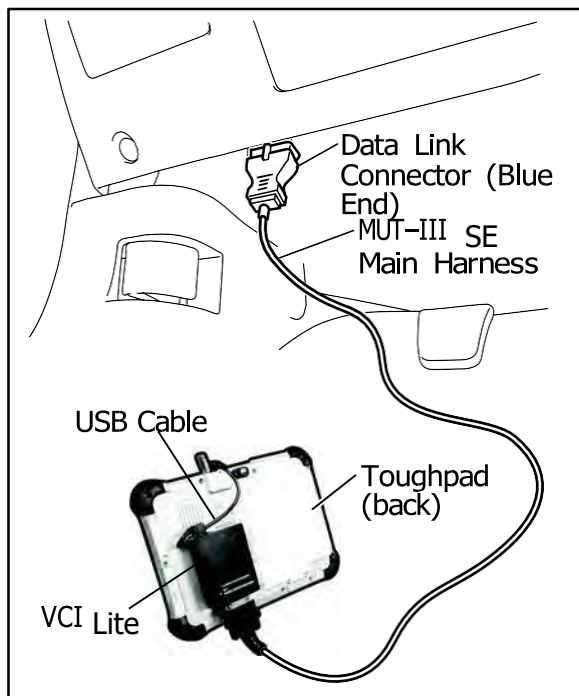


To ensure that the vehicle battery maintains 12V during the procedure, connect a battery charger to the vehicle during the procedure.

NOTE: VCI Stand-alone reprogramming is not available for this procedure. The laptop/tablet and the VCI must remain connected for the entire procedure.

1. Connect the equipment as follows:

NOTE: VCI Lite and MEDIC 4.0 Toughpad shown for illustration purposes only.



- Turn the MEDIC PC/tablet on. If the battery indicator in the lower right hand corner of the screen does not show a full charge, it is recommended that either the battery be charged prior to beginning or the tablet should be used with the A/C power adapter connected.
- Connect the USB cable to the VCI/VCI Lite. When the laptop/tablet displays the MUT-III SE main screen, connect the USB cable to the device.
- Connect the MUT-3 SE main harness with the blue DLC connection to the VCI/VCI Lite. Connect the blue connection of the MUT-3 SE main harness to the vehicle's data link connector.
- For VCI only (p/n MB991824): Turn the VCI power switch ON. Verify that the indicator lamp in the upper right corner of the screen is green.



DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS DURING THE REPROGRAMMING PROCESS AS IT COULD CAUSE THE CONTROL UNIT TO LOSE DATA. IF THE USB CABLE IS DISCONNECTED DURING THIS PROCEDURE, A WARNING MESSAGE WILL DISPLAY.

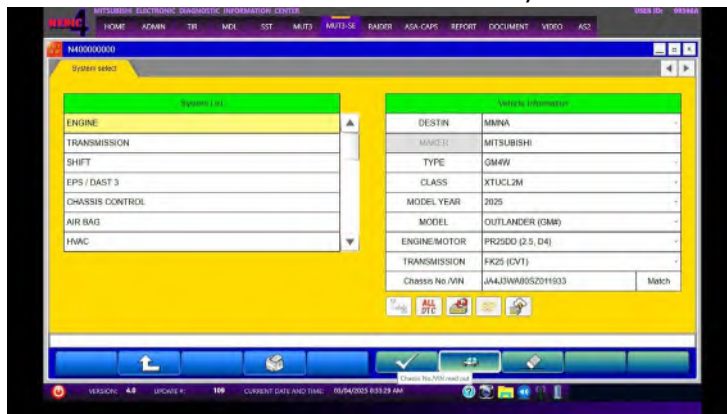
NOTE: Due to limited space in the engine compartment it may be easiest to connect battery charger cable onto ground point.

2. Place the push-button switch in the "ON" position.
3. Turn on flashers to prevent vehicle from shutting/powering down.
4. Press the "STV" button.

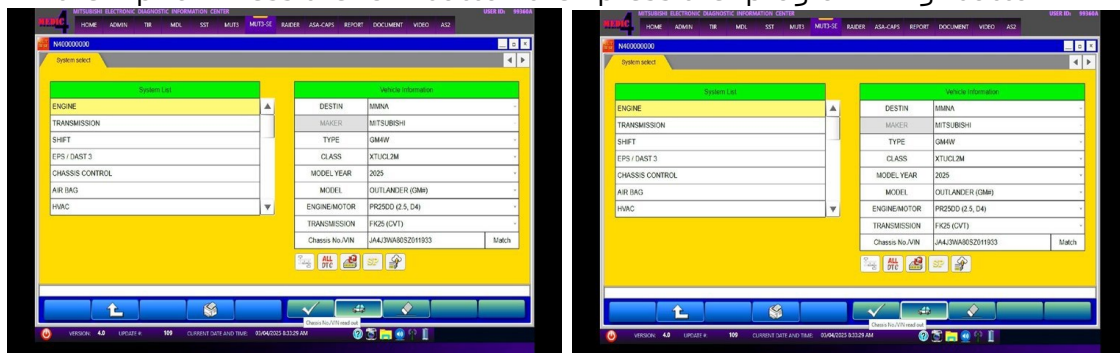




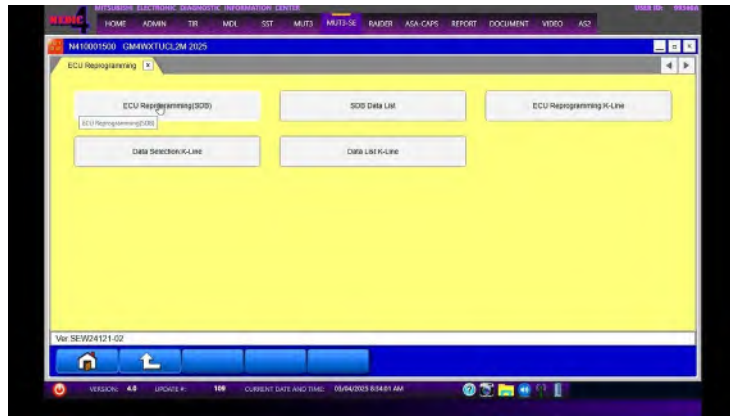
a. Press the "car icon" for Chassis No/VIN read out.



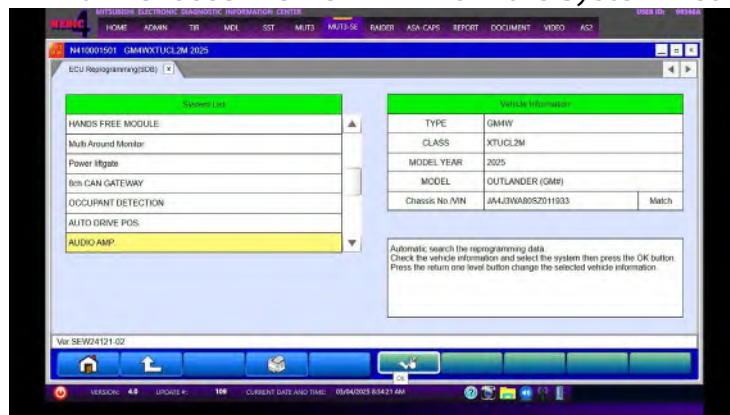
b. Confirm the vehicle information displayed is complete/correct. The class can be found on the B pillar. Press the "OK" button then press the "programming" button.



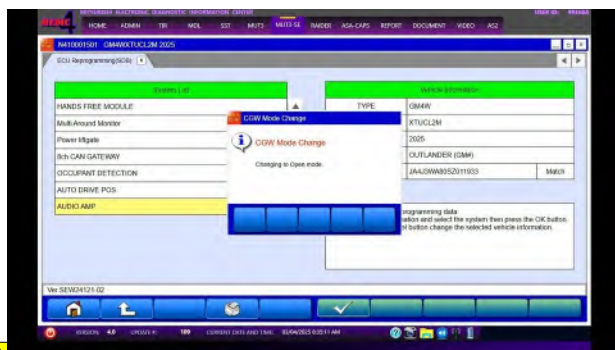
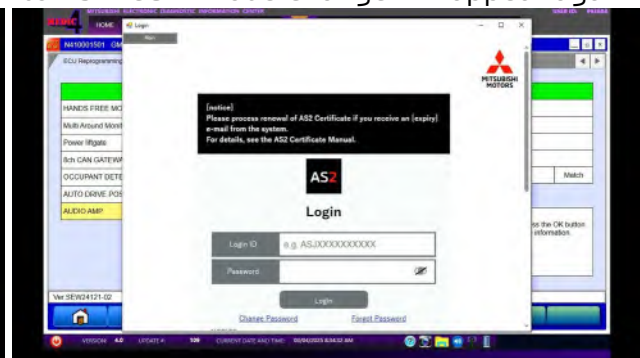
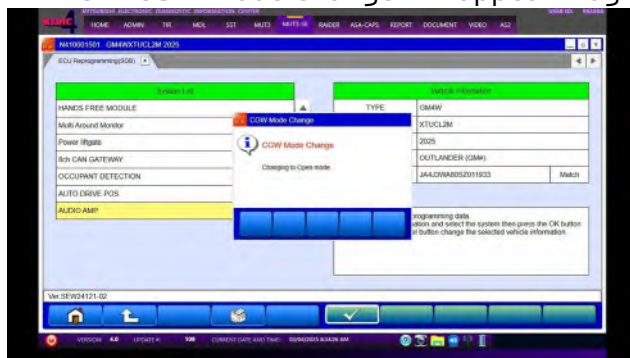
c. Press the "ECU Reprogramming (SDB) button.



d. Choose "AUDIO AMP" from the System List and press the "OK" button.



e. CGW Mode Change will appear. Login to AS2. CGW Mode Change will appear again.



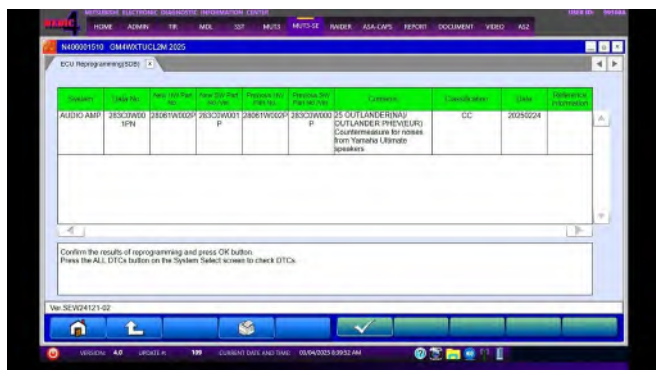
DO NOT DISTURB THE HARNESS CABLES OR CONNECTIONS DURING THE REPROGRAMMING PROCESS AS IT COULD CAUSE THE CONTROL UNIT TO LOSE DATA. IF THE USB CABLE IS DISCONNECTED DURING THIS PROCEDURE, A WARNING MESSAGE WILL DISPLAY.

The screenshot displays the VVDI2 software interface, which is used for automotive diagnostics and ECU reprogramming. The top menu bar includes options such as HOME, ADMIN, TIR, MDL, SST, MITS, MULTISE, RAIDER, ASA-CAPS, REPORT, DOCUMENT, VIDEO, and ASD. The main window is titled "N40001511: OM46X1UCL2M:205" and shows the "ECU Reprogramming(S01)" process. The interface features a progress bar and a list of steps: "Select hardware/flash type", "Reprogramming (ECU software reading)", "Programming (program writing to new ECU)", and "Please select a modernization type: If reprogramming cannot find the target file after a failed update, select programming". The bottom status bar indicates the version "Ver SEW04121-02" and includes various system icons.

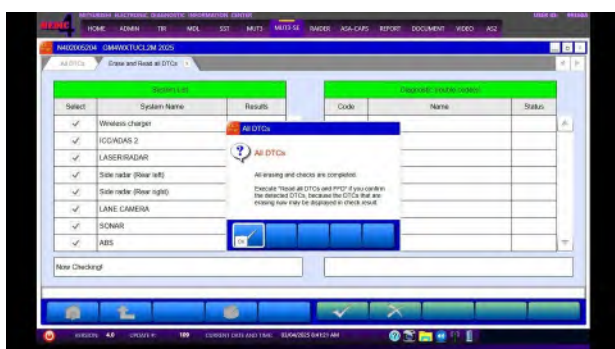
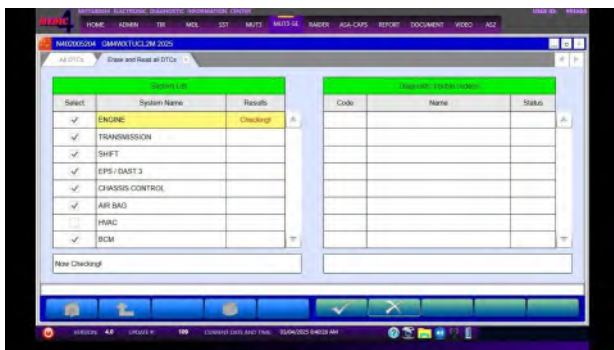
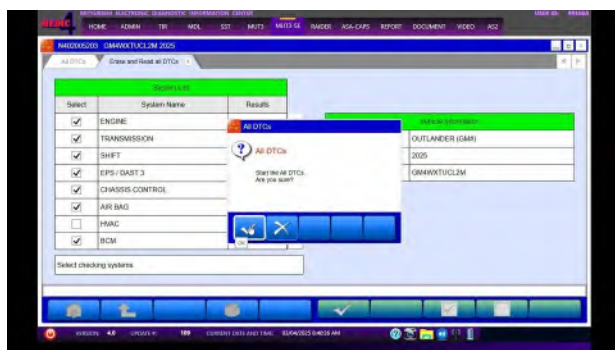
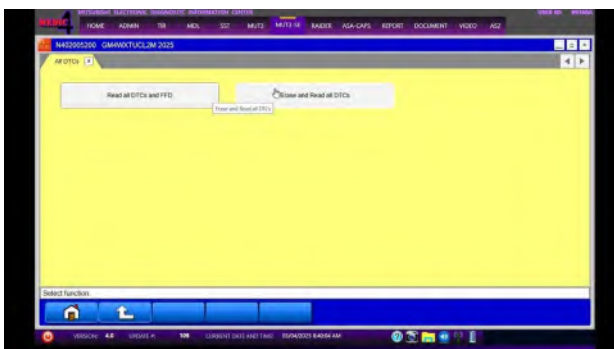
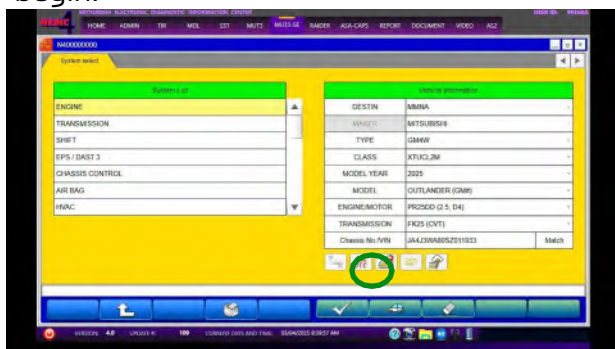
The figure consists of four screenshots of the N400001504 GUI, arranged in a 2x2 grid. Each screenshot shows the 'ECU Reprogramming (SCS)' screen. The top-left screenshot shows a table with columns: 'ECU ID', 'ECU Part No.', 'ECU Part No. (Old)', 'ECU Part No. (New)', 'ECU Part No. (Old)', 'ECU Part No. (New)', 'ECU Part No. (Old)', 'ECU Part No. (New)', 'ECU Part No. (Old)', 'ECU Part No. (New)', 'ECU Part No. (Old)', 'ECU Part No. (New)'. The table contains one row with data. The top-right screenshot shows the same screen with a checkmark in the 'Check' column. The bottom-left screenshot shows a dialog box with the text 'Check reprogramming data.' and a question mark icon. The bottom-right screenshot shows the same screen with a checkmark in the 'Check' column.

Model	Data No.	New HW Part No.	New SW Part No./Ver.	Target HW Part No.	Target SW Part No./Ver.	Remarks
Outlander	283COW00.3PN	28061W006P	283COW003P	28061W004P	283COW001P	-
Outlander PHEV						

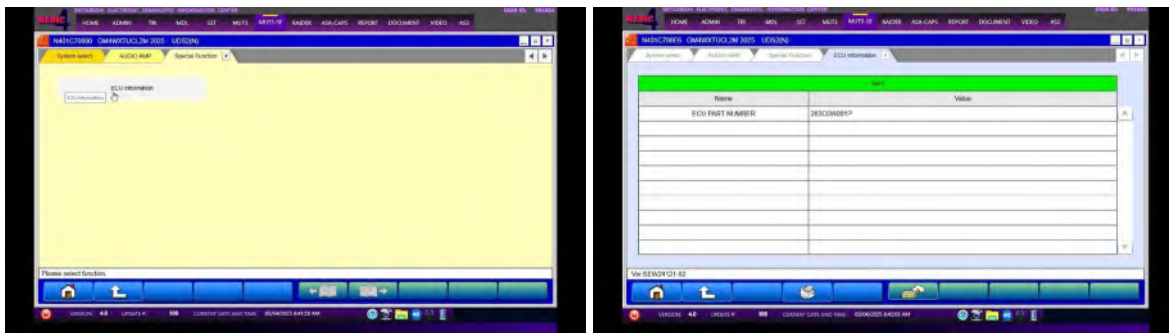
(5546/TSL2606028)



- i. Place the push-button switch in the "OFF" position for 10 seconds. Then place the push button ignition switch back to the "ON" position.
- j. Press the ALL DTCs button on the System Select screen to check DTCs. Press the "OK" button to begin.



- k. Choose AUDIO AMP from the System List and press the "OK" button. Then confirm the ECU part number 283C0W003P.



5. Test drive the vehicle to confirm proper operation and restore all customer presets if necessary.

WARRANTY

This bulletin is supplied as technical information only and is not an authorization to repair. If an affected vehicle is reported with the described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the information below.

Labor Operation Code	Operation	Cause Code A	Nature Code B	Nature Code C	Quantity	Labor Time	Notes
545034ZK	Primary speaker amplifier software update	990	80	D	1	0.3H	

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 repairs described 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.