TECHNICAL INSTRUCTIONS

FOR

SAFETY RECALL 26TA11

REPROGRAMMING FOR BATTERY ECU

CERTAIN 2026 bZ

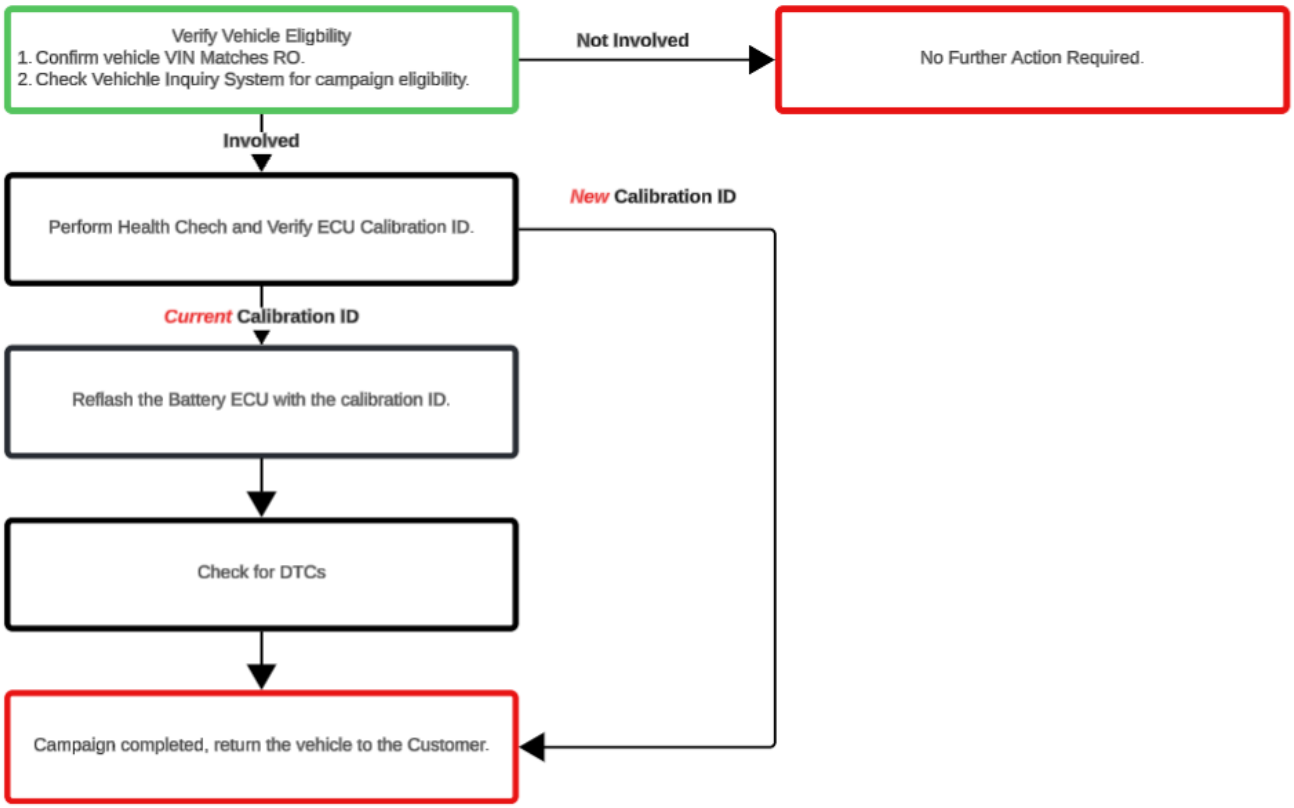
The repair quality of covered vehicles is extremely important to Toyota. All dealership technicians performing this recall are required to successfully complete the most current version of the E-Learning course "Safety Recall and Service Campaign Essentials". To ensure that all vehicles have the repair performed correctly, technicians performing this recall repair are required to currently hold at least one of the following certification levels:

- **TIC209A – Electrified Powertrain Vehicle Repair**

It is the dealership's responsibility to select technicians with the above certification level or greater to perform this recall repair. Carefully review your resources, the technician skill level, and ability before assigning technicians to this repair. It is important to consider technician days off and vacation schedules to ensure there are properly trained technicians available to perform this repair at all times.

I. OPERATION FLOW CHART

The flow chart is for reference only. *DO NOT* use it in place of the full technical instructions. Follow ALL steps as outlined in the full technical instructions to confirm the campaign is completed correctly.



II. IDENTIFICATION OF AFFECTED VEHICLES

1. CHECK VEHICLE FOR CAMPAIGN ELIGIBILITY

a) Compare the vehicles VIN to the VIN listed in the Repair Order to ensure they match.
b) Check the TIS Vehicle Inquiry System to confirm the VIN is involved in this Campaign, and that it has not already been completed.

HINT:
TMNA warranty will not reimburse dealers for repairs completed on vehicles that are not affected or were previously completed, even by another dealer.

III. PREPARATION

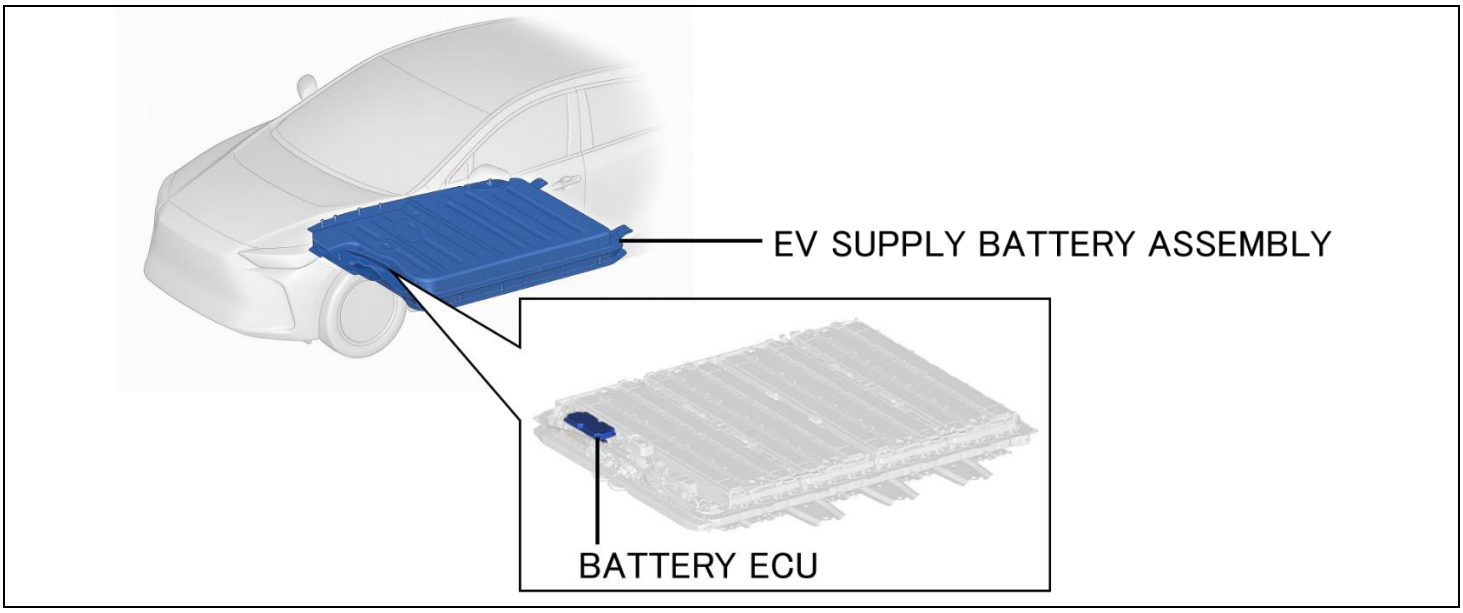
A. TOOLS & EQUIPMENT

- T-SB-0107-20 Rev. 2
- DCA-8000 Battery Diagnostic Station
- GTS+

IV. WORK PROCEDURE TABLE OF CONTENTS

V. BACKGROUND

The ECU for the battery supplying electricity to the drivetrain in the subject vehicles can experience an error that can cause the electric drive system to shut down. While power steering and power-assisted braking continue to operate, this can cause a loss of motive power while driving at a higher speed, increasing the risk of a crash.

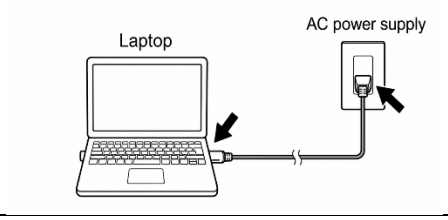


VI. SAFETY PRECAUTIONS

Critical CRITICAL INFORMATION - READ THOROUGHLY

An ECU could be damaged if an error occurs in the communication while reprogramming the ECU. Confirm all work is performed as described in these instructions.

Be sure to connect the laptop to an external AC power supply.



Turn off the screen saver and power saving mode.

DO NOT **block the ventilation opening.**

Only GTS+ / CUW+

1. STABILIZE THE POWER TO THE LAPTOP SIDE

a) Be sure to connect the laptop to an external AC power supply.

NOTICE:
The ECU could be damaged if the battery voltage of the laptop drops while reprogramming.

b) Turn off the screen saver and power saving mode of the laptop.

NOTICE:
If the screen saver or power saving mode launches while reprogramming, the communication may be disconnected. As a result, ECU may be damaged.

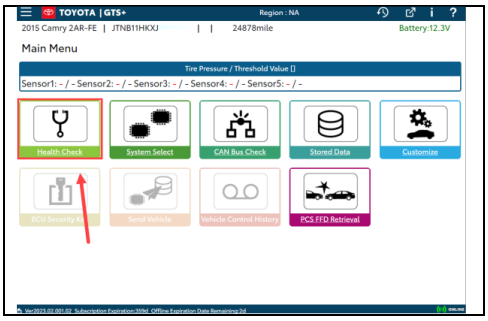
c) ***DO NOT*** block the ventilation opening for the cooling fan of the laptop.

NOTICE:
If the ventilation opening for the cooling fan is blocked with a sheet cover or the like, the laptop may be heated excessively, causing the operation of the laptop to stop.
Due to the stop of the operation, the communication for reprogramming signals could be stopped. As a result, ECU may be damaged.

d) Close all applications and browsers except for GTS+ / CUW+.

NOTICE:
Due to the influence of other applications, the processing speed may decrease, which could cause the reprogramming process to fail.

VII. HV/EV BATTERY SYSTEM CALIBRATION ID VERIFICATION



1. CHECK FOR DTC'S

a) Using a GTS+, click the "Health Check" button on the Main Menu.

HINT:

This campaign covers only the software update to the HV/EV Battery system, as detailed in these instructions. It does not cover the diagnosis or replacement of any other systems on the vehicle.

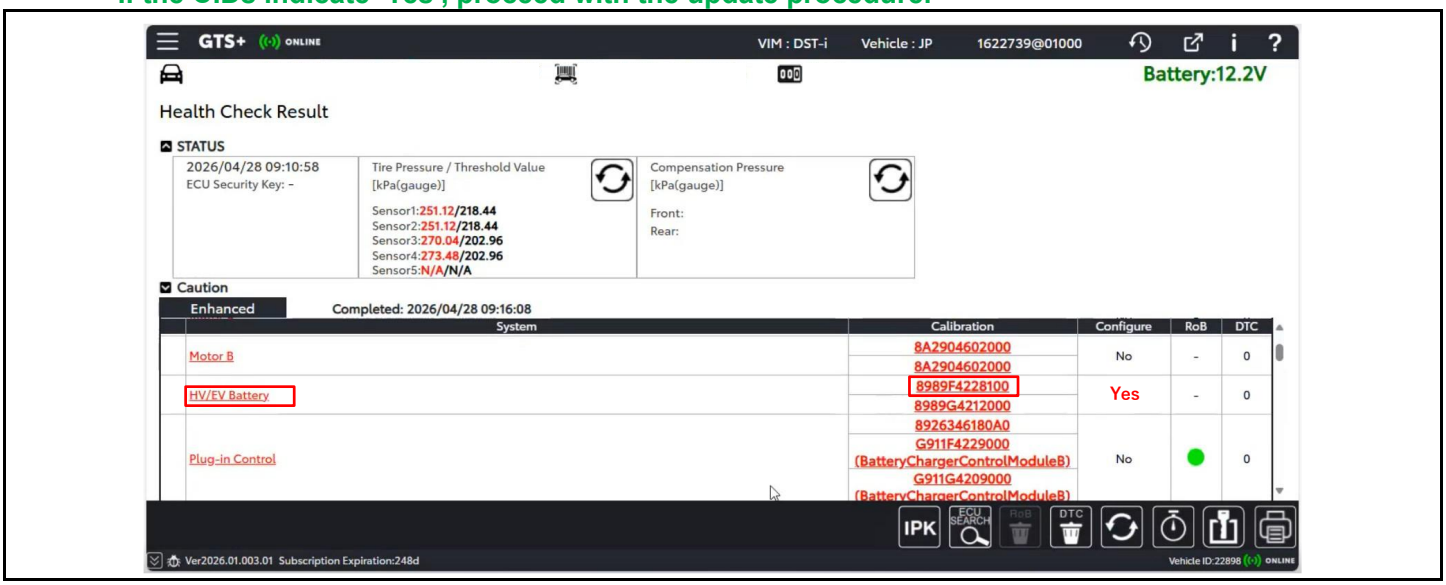
2. CHECK CURRENT CALIBRATION ID

a) Locate the "Update" column of the "Calibration Information" for the HV/EV Battery system on the "Health Check Result" screen.

b) Determine the status of an available update; indicated by YES or NO.

HINT:

If the CIDs indicate 'Yes', proceed with the update procedure.



Is there an update available for the HV/EV Battery System?

Yes → Proceed to section VII. Vehicle preparation on page 5.

No → Campaign complete. Return the vehicle to the customer.

◄ CRITICAL MESSAGE ►

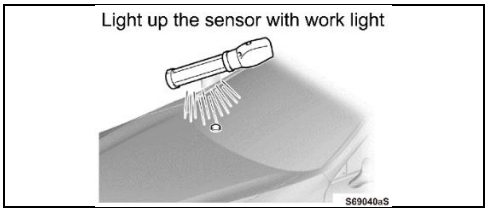
It is critical that T-SB-0107-20 Rev. 2 in addition to the Technical Instructions for this Recall are followed. This TSB outlines all steps necessary to prevent reprogramming failure. Toyota will not provide reimbursement coverage for reprogramming failures if this TSB is not followed. If you have a reprogramming failure that requires BATTERY ECU replacement and the Technical Instructions and TSB were followed correctly, please create a case with the Technical Assistance Hotline documenting all information related to the failure. If sufficient reporting is received related to re-flash failure, there will be consideration for reimbursement.

VIII. VEHICLE PREPARATION

1. VEHICLE PREPERATION

a) Confirm the following conditions:

- Ignition switch is in IG position
- Shift position is P range
- Parking brake is applied
- Turn off all electrical accessories (i.e. climate control, audio system, etc.)
- Headlight switch in the DRL OFF position. (Model has DRL off position)
- Windshield wiper switch in the OFF position.



b) When the vehicle has no “OFF position” in the light control switch:

1) Turn the IG ON.
2) Set the light control switch to the AUTO position and make sure that the exterior lights are turned on.
3) Light up the automatic light control sensor with work light to keep the exterior lights turned off.

2. CONNECT THE AUXILIARY BATTERY TO A POWER SUPPLY

a) Connect the DCA-8000 or other type of a power supply (not a battery charger) to the auxiliary battery.
b) Tap the Reflash icon from the Main Menu screen of the DCA-8000.

Critical	**A power supply MUST be used during reprogramming. ECU damage will occur if the battery voltage is not properly maintained during this re-flash procedure.**

3. VERIFY GTS+ SETUP

a) Verify that the GTS+ meets the following conditions:

- The latest version of software is loaded.
- The GTS+ battery is fully charged. If not, connect the GTS+ to power outlet.
- The DLC III cable is in good condition.

Critical	**The GTS+’s battery voltage must also be maintained during the re-flash procedure. If necessary, plug the GTS+ into power outlet during this procedure.**

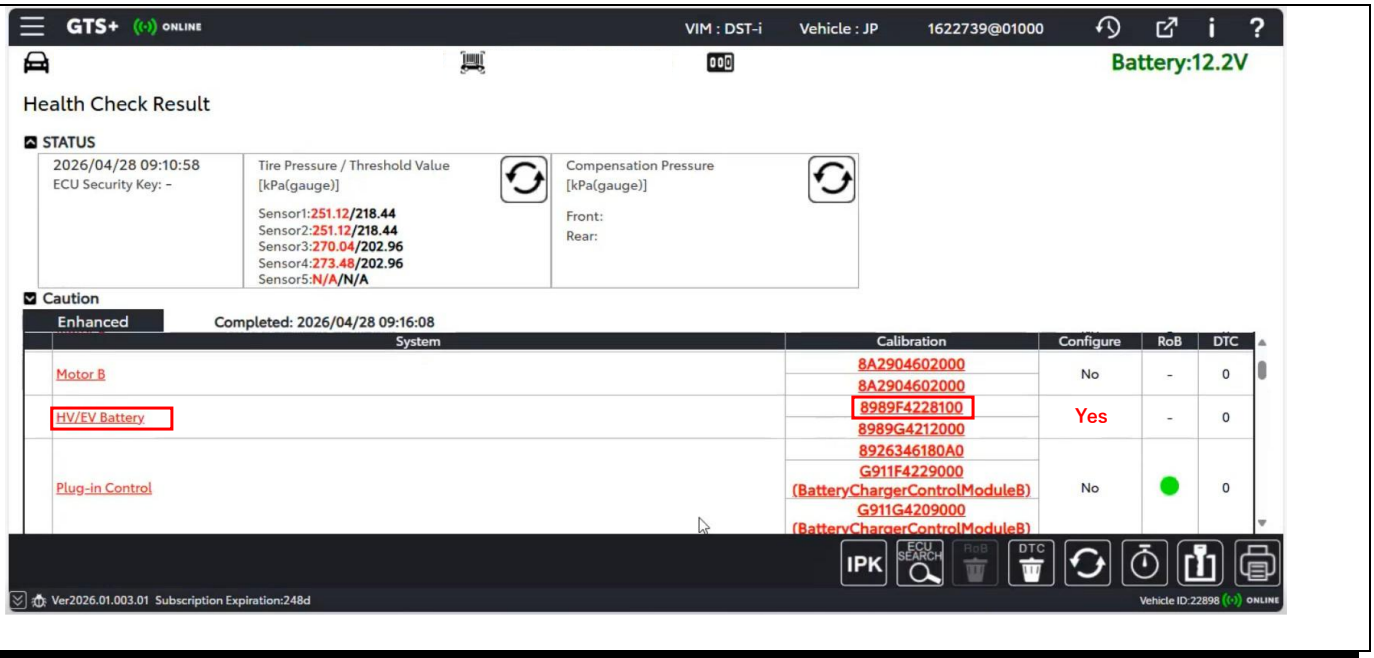
NOTICE:
If the GTS+ communication with the vehicle fails during the re-flash procedure, the Battery ECU will be damaged.

IX. UPDATE CALIBRATION

NOTICE:
Reflash failure should be extremely rare and can be avoided by following all instructions and reprogramming best practices.

1. CONFIRM THE CALIBRATION ID

a) Confirm the current calibration ID in the HV/EV Battery System.



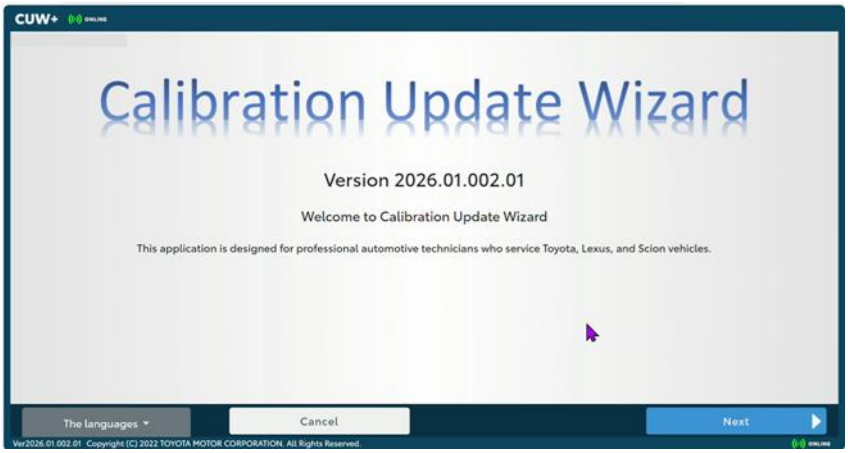
HV/EV Battery Calibrations				
System	Vehicle Model	**Current Calibration ID**	***New Calibration ID***	**File name - Size**
HV/EV Battery	bZ	8989**F42281**	**8989F42283**	**Z-0001-26.cuw - 7.51MB**

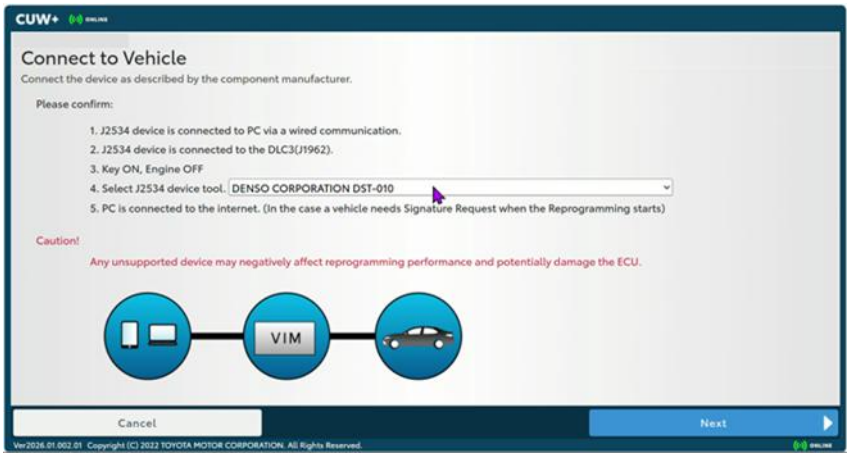
HINT:

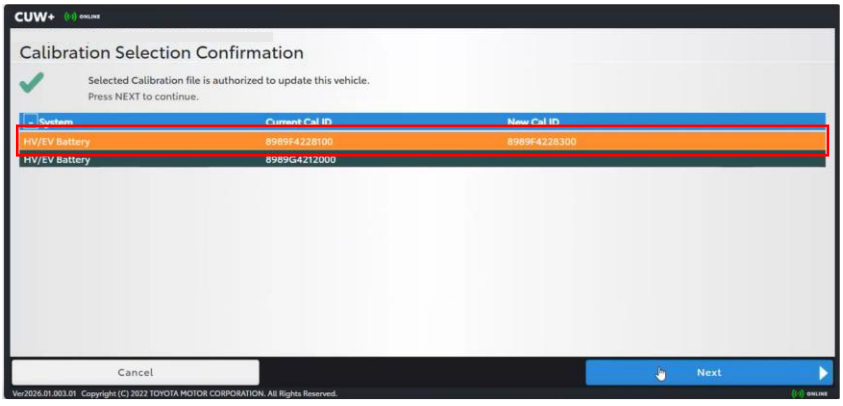
Reprograming is **Not Required** if the current Calibration ID is 8989F42282, since it has been already fixed the subjected issue.

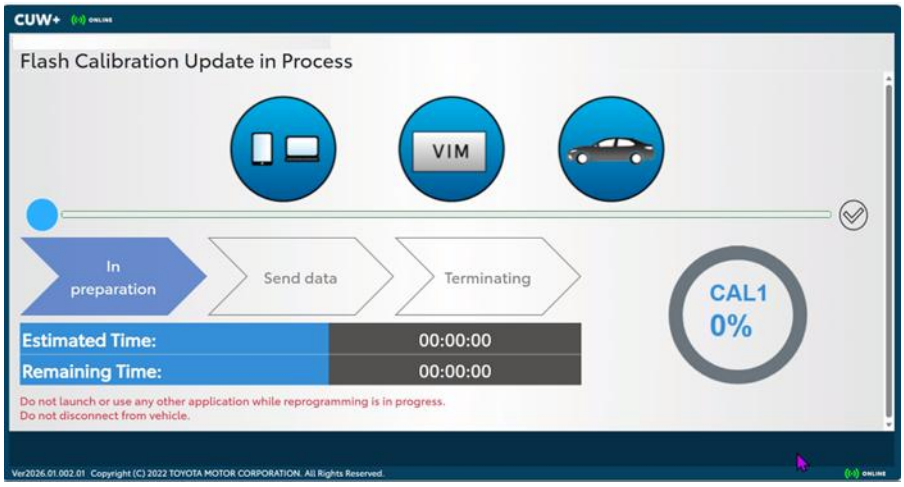
2. REFLASH THE HV/EV BATTERY SYSTEM USING FILE Calibration ID.

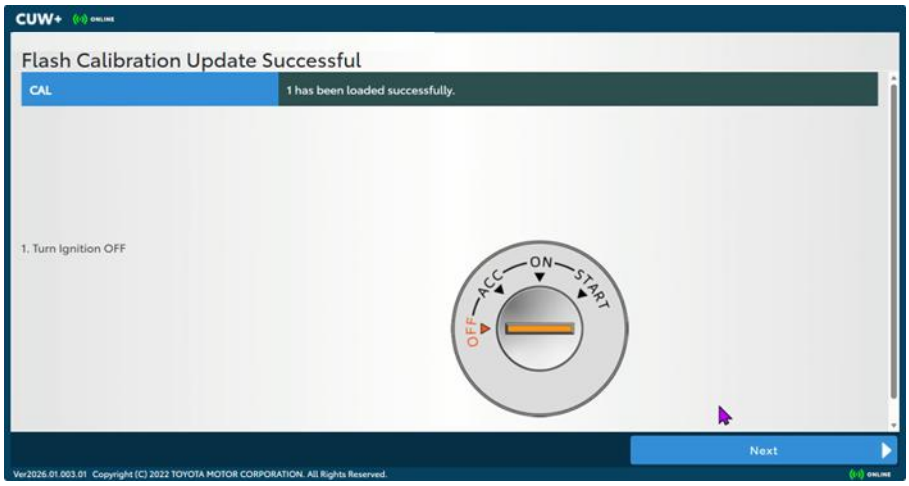
a) Click “Yes” on the “Health Check Results” screen or follow the links on the table above the begin to reflash process.

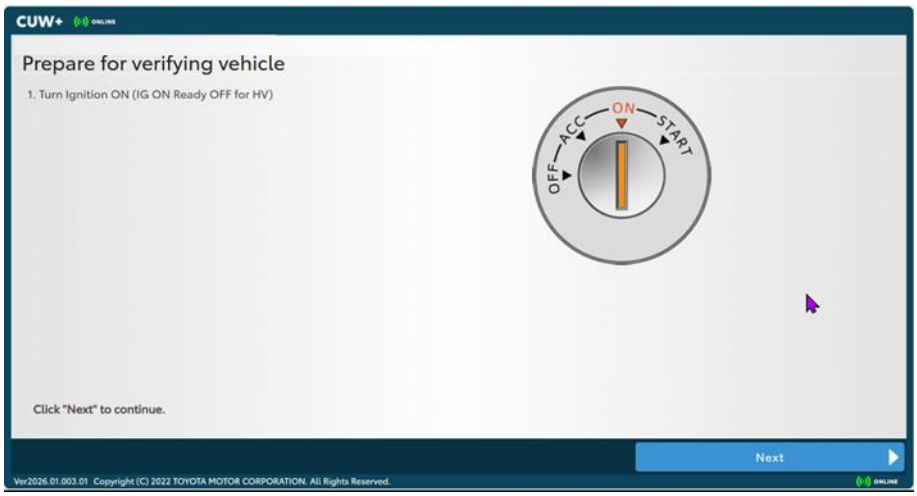




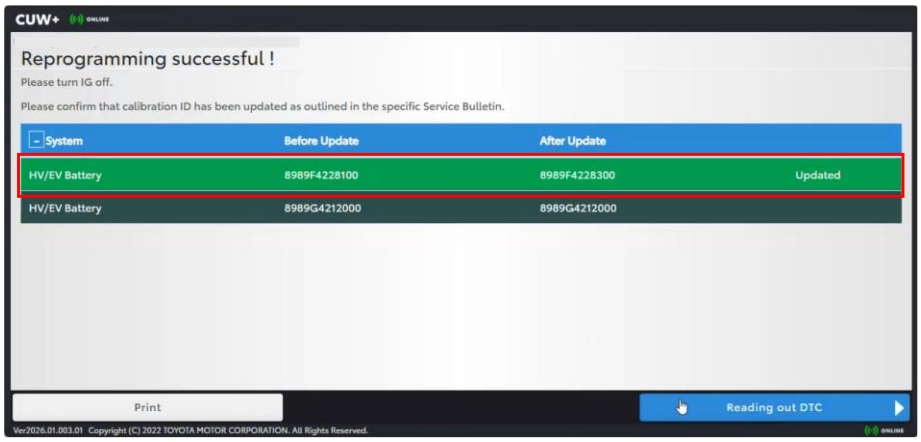


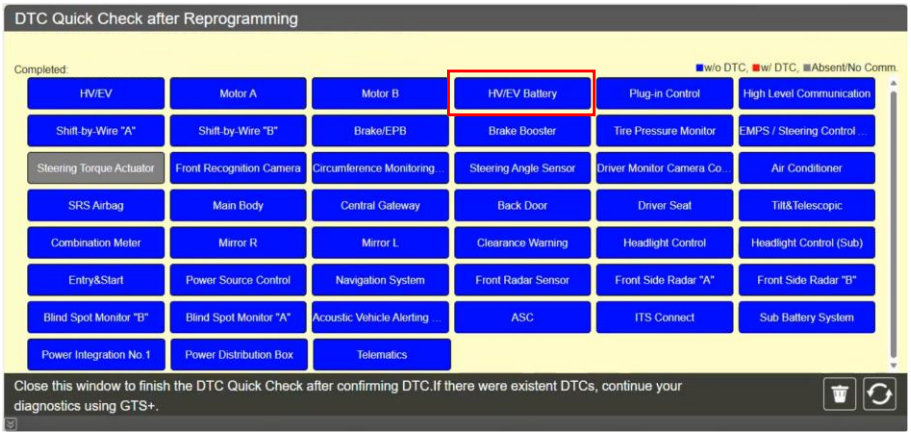






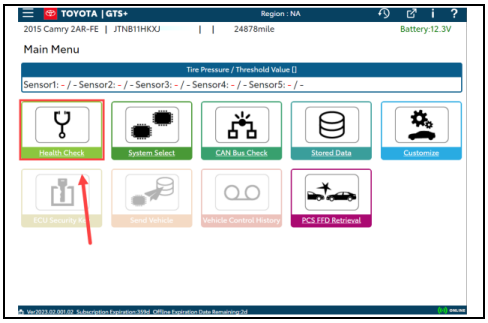
3. CONFIRM THE CALIBRATION ID AND SELECT “Reading out DTC”





X. COMPLETE REPAIR

1. DISCONNECT THE DCA-8000



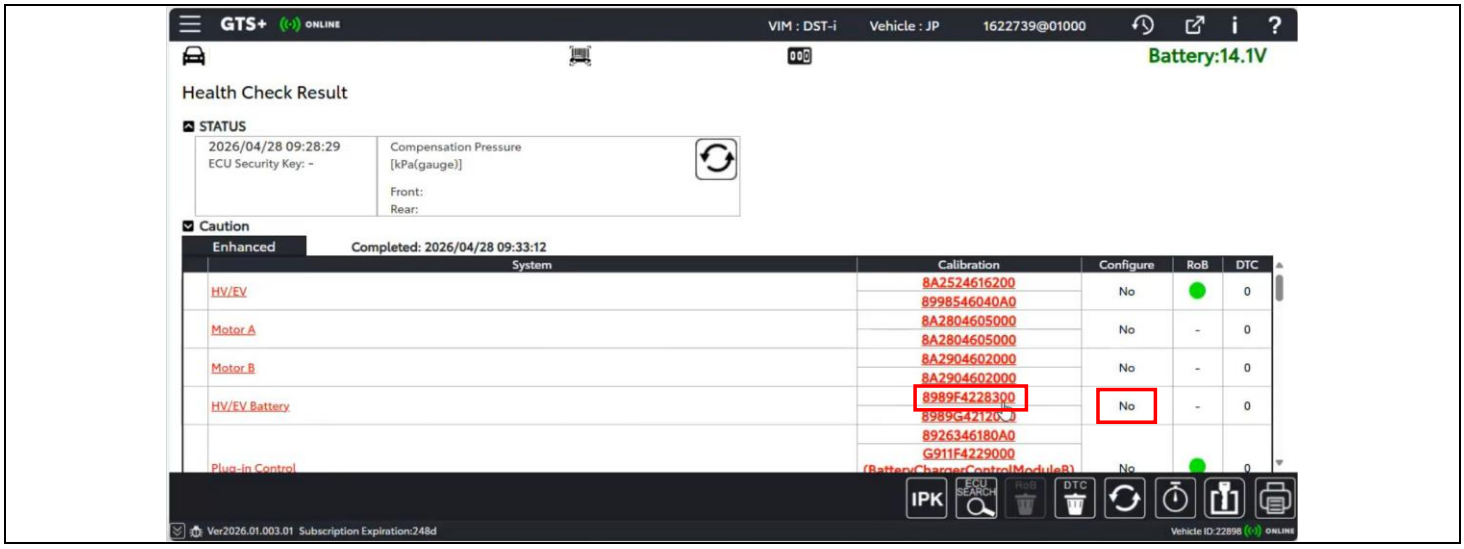
2. PERFORM VERIFICATION HEALTH CHECK

a) Using a GTS+, click the “Health Check” button on the Main Menu.
b) Clear DTC’s that may have set during the re-flash procedure.
c) Re-run the Health Check to confirm that no DTCs reappear.

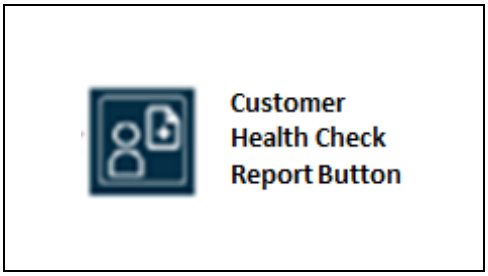
Critical **THIS VERIFICATION HEALTH CHECK IS NECESSARY to update the results and CIDs to the National database.**

3. CONFIRM CID UPDATE

a) On the Stored Data tab, confirm the following for the HV/EV Battery System:
- The Calibration ID has the “*New* Calibration ID” number.
- The Update column says “No”.

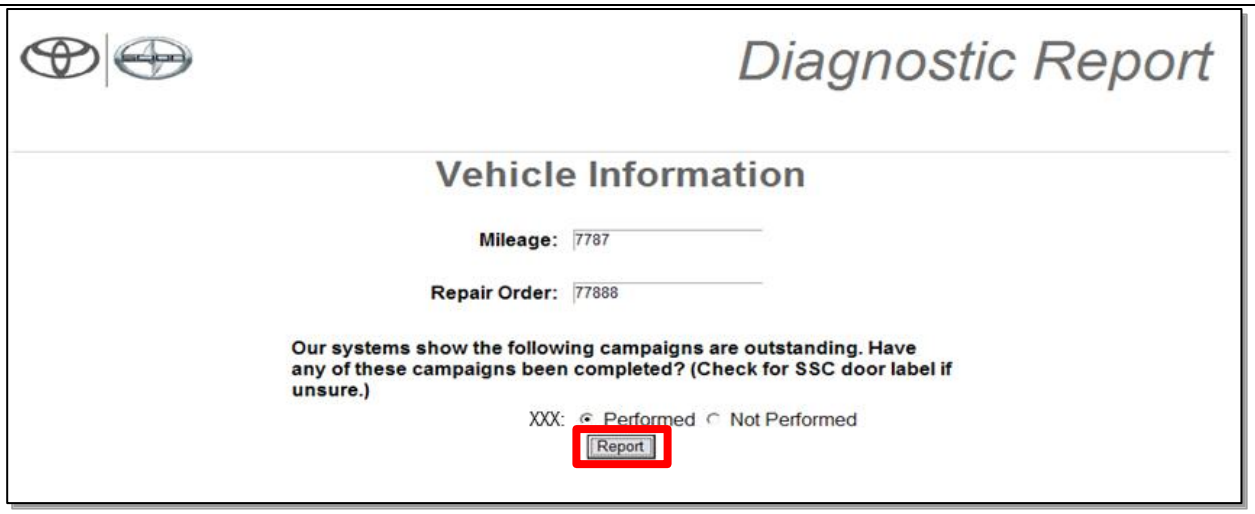


Critical **Confirm the CIDs has been updated successfully to the *New* CIDs by someone other than the individual who performed the repair.** **Refer to page 6.**



4. PRINT CUSTOMER HEALTH CHECK REPORT

a) From the Stored Data tab, select the Customer Health Check Report button (TIS will launch when button is pressed).
b) Log in to TIS.
c) Input Vehicle Mileage and Repair Order number.
d) Check the “Performed” campaign button for the applicable campaigns.
e) Select the Report button.



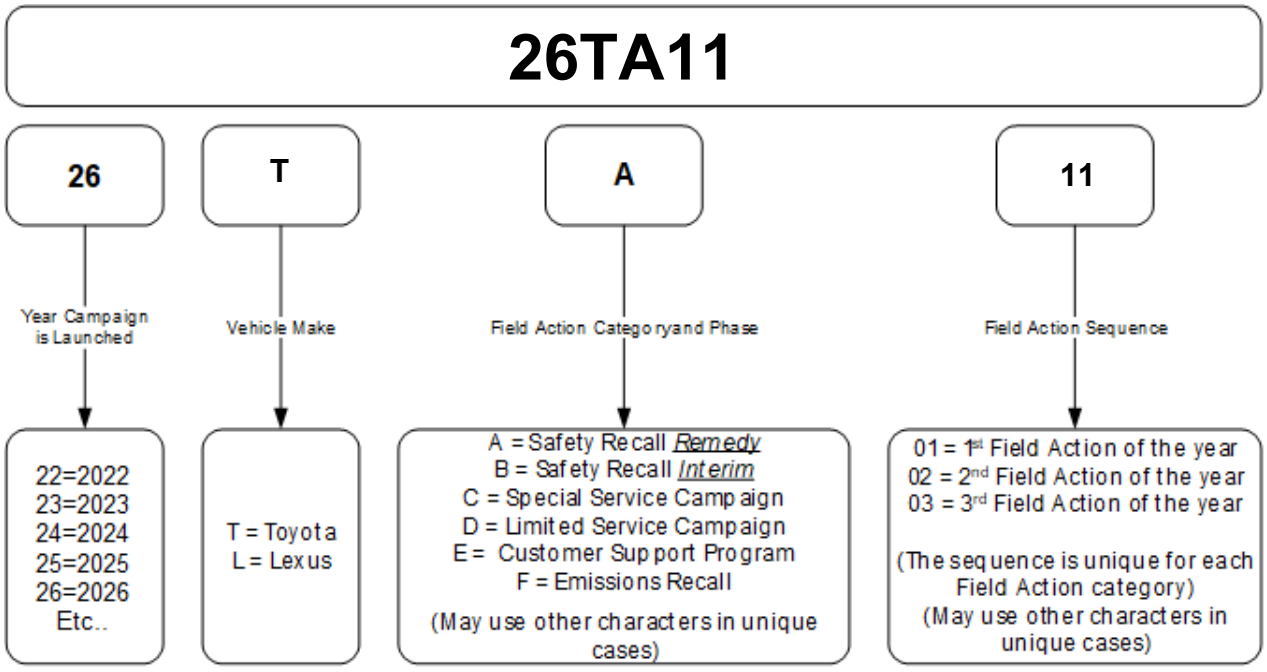
f) Confirm Customer Health Check Report information is correct.
g) Print Customer Health Check Report from TIS.
h) Sign and Provide the Customer Health Check Report to the customer.

◄ VERIFY REPAIR QUALITY ►

- **Confirm the reflash completes successfully.**
- **Confirm there are no DTCs after the Calibration update.**
- **If you have any questions regarding this update, please contact your area representative.**

XI. APPENDIX

A. CAMPAIGN DESIGNATION DECODER



Examples:
20LA01 = Launched in 2020, Lexus, Safety Recall Remedy Phase, 1st Safety Recall Launched in 2020
21LC02 = Launched in 2021, Special Service Campaign, 2nd Special Service Campaign Launched in 2021
22LE05 = Launched in 2022, Customer Support Program, 5th Customer Support Program Launched in 2022