

DCM Firmware Update (LG)

Service Category Audio/Visual/Telematics

Section Navigation/Multi Info Display

Market USA

Toyota Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2023	ES250, ES300H, ES350, UX250H	

Introduction

Some 2023 model year ES 250, ES 300h, ES 350, and UX 250h vehicles with DCM firmware version earlier than LG-N210ee9999-09 may exhibit a condition in which the vehicle customize settings menu is unavailable in the head unit after connecting to Techstream.

A DCM firmware update is now available to address this condition. Follow the DCM Firmware Update Procedure in this bulletin to update the firmware.

Warranty Information

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
EL9085	DCM Firmware Update	0.3	86741-#####*	87	74

*Warranty claim MUST be submitted with the correct 10-digit OFP. Choose the correct OFP for the vehicle being repaired by searching for the parts in the Electronic Parts Catalog using the VIN filter.

APPLICABLE WARRANTY

- This repair is covered under the Lexus Basic Warranty. This warranty is in effect for 48 months or 50,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to occurrence of the specified condition described in this bulletin.

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Required Tools & Equipment

REQUIRED EQUIPMENT	SUPPLIER	PART NUMBER	QTY
Techstream ADVI*	ADE	TSADVUNIT	1
Techstream 2.0		TS2UNIT	
Techstream Lite		TSLITEPDLR01	
Techstream Lite (Green Cable)		TSLP2DLR01	

*Essential SST.

NOTE

- Only ONE of the Techstream units listed above is required.
- GTS+ software version 2022.04.004.02 or later is required.
- Additional Techstream units may be ordered by calling Approved Dealer Equipment (ADE) at 1-800-368-6787.
- Use Techstream or an approved J2534 interface to perform flash reprogramming updates. Visit techinfo.toyota.com for more information regarding J2534 reprogramming.

SPECIAL SERVICE TOOLS (SST)	PART NUMBER	QTY
Battery Diagnostic Tool*	DCA-8000P I	1

*Essential SST.

NOTE

Additional SSTs may be ordered by calling 1-800-933-8335.

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DCM Firmware Update Procedure

1. Move the vehicle to an area with good DCM (Data Communication Module) signal reception.

NOTE

- Ensure the customer has an active account BEFORE beginning this process.
- If the customer has waived telematics services, an account may need to be temporarily created to perform this update.

2. Using Techstream, perform a Health Check and clear ALL DTCs.
 - A. Check the “Perform Health Check on all ECUs” box.
 - B. Check the “Store only DTC and FFD” box.
 - C. Click on Next.

Figure 1.

Health Check (S309-02)

Please select system areas to include in the Health Check. Fewer ECUs reduce delay and allows Health Check to run faster.

☒ Perform Health Check on All ECUs (This will recheck all ECUs, even those found to not be present.
NOTE - This will increase Health Check time.)

ECU Selection:

(Number of present ECUs) / (Number of all ECUs)

☒ Powertrain(6 ECUs) / (6 ECUs)

☒ Chassis(9 ECUs) / (9 ECUs)

☒ Body Electrical(35 ECUs) / (35 ECUs)

☐ Compensation Tire Pressure

☒ Store only DTC and FFD

☐ Store All Data

Note: The Store All Data function will store all System DTC, FFD, Info Code, Operation History, and Monitor Data to the Stored Data tab. This information will then be available for future reference. Storing Time Stamp Data may add several minutes to the Health Check.

Would you like to include Time Stamp Data?

☐ Yes ☐ No

This function may take a few minutes to complete. Press Next to continue.

Help Next> Cancel

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DCM Firmware Update Procedure (continued)

3. Verify the current firmware version.

Refer to *TIS – Body Electrical – Telematics – Data List*:

Table 1: Current Firmware Version.

FIRMWARE VERSION HIGH	PREVIOUS	CURRENT
	LG-N210cc4J4J-00 LG-N210cc4J4J-09 LG-N210dd8A8A-00 LG-N210dd8A8A-09	LG-N210ee9999-00

Is the firmware version up to date?

- **YES** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.
- **NO** — Continue to step 4.

4. Verify the SOS LED indicator status.

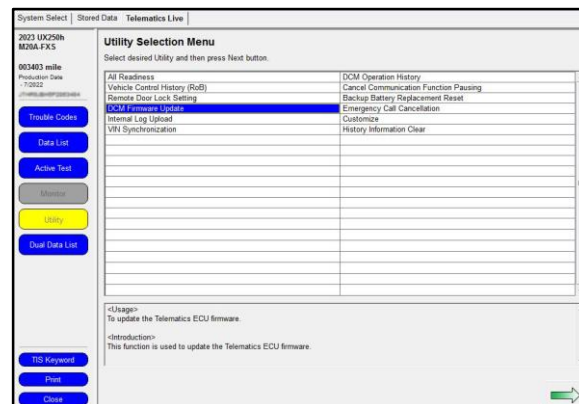
Has the SOS LED indicator been on solid green for more than five seconds?

- **YES** — Continue to step 5.
- **NO** — This bulletin does NOT apply. Continue diagnosis using the applicable Repair Manual.

5. Perform the DCM firmware update utility.

Refer to *TIS – Body Electrical – Telematics – Utility*.

Figure 2.

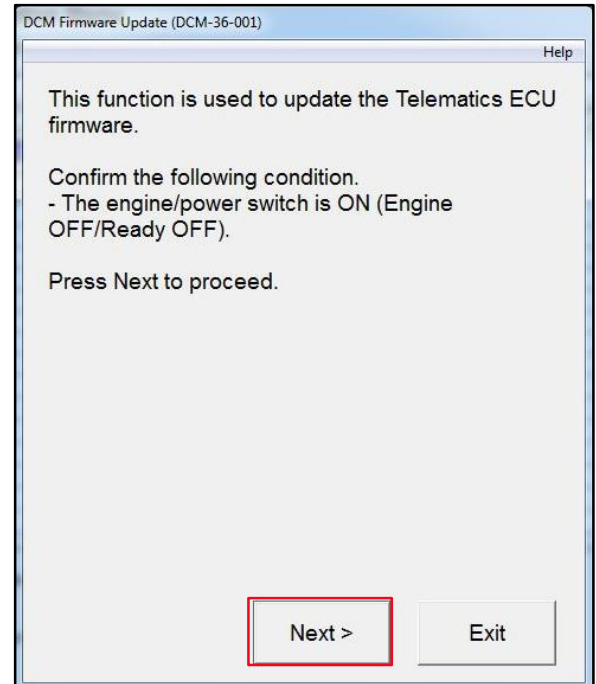


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DCM Firmware Update Procedure (continued)

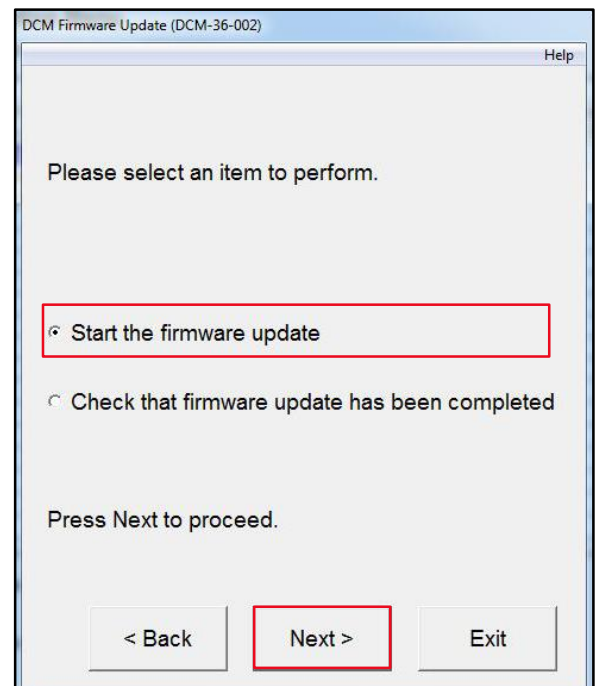
6. Click on Next when the DCM firmware update screen appears.

Figure 3.



7. Select "Start the firmware update" and click on Next when the item selection screen appears.

Figure 4.



DCM Firmware Update (LG)

DCM Firmware Update Procedure (continued)

8. Click on Next when the current firmware part number screen appears.

NOTE

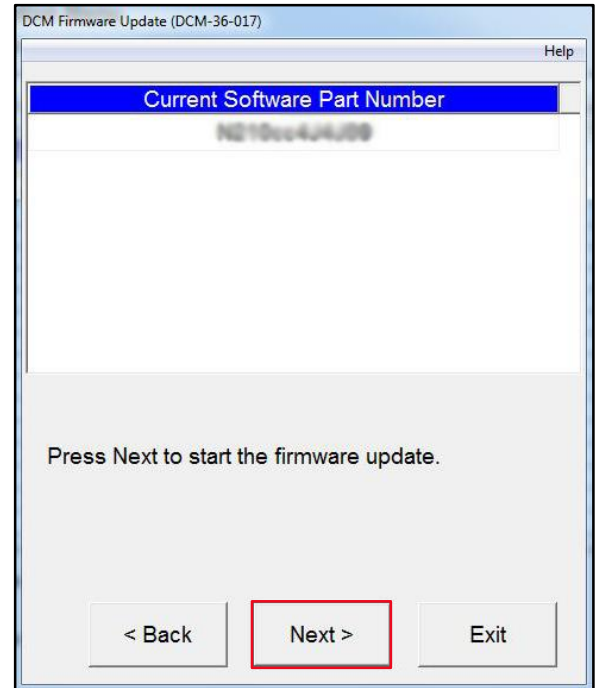
If the screen in Figure 5 does NOT appear and an error message displays, begin the Firmware Update Procedure again from step 4. The battery reset MUST be performed again.

Use the battery diagnostic tool to maintain battery voltage.

NOTE

- The battery diagnostic tool MUST be used in Power Supply Mode to maintain battery voltage at 13.5 V while flash reprogramming the vehicle.
- For details on how to use the battery diagnostic station, refer to the [DCA-8000 Instruction Manual](#) located at *TIS – Diagnostics – Tools & Equipment – Battery Diagnostics*.

Figure 5.



9. The firmware update will begin. Do NOT turn the vehicle OFF during this time.

NOTE

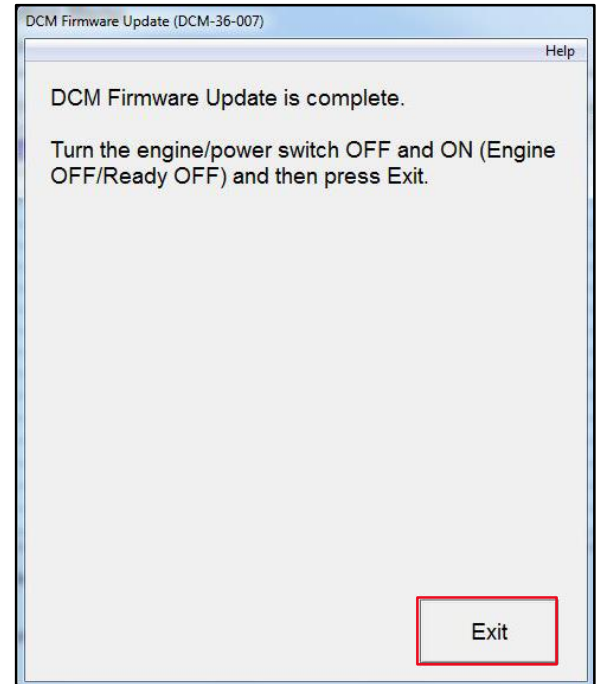
- Do NOT press Exit until the update process has completed.
- During the update process, the green and red LEDs will both be ON and will reset several times resulting in the LEDs being temporarily OFF during the process. The download process will take about 5 – 10 minutes.

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DCM Firmware Update Procedure (continued)

10. The three conditions below will indicate that the firmware update process is complete:
 - The green LED will stay ON.
 - The update complete message will appear on Techstream.
 - The service mode message will appear on the display screen.

Figure 6.



11. Verify the current firmware version.
Refer to *TIS – Body Electrical – Telematics – Data List*:

Table 2: Current Firmware Version

FIRMWARE VERSION HIGH	CURRENT FIRMWARE VERSION
	LG-N210ee9999-00

12. Using Techstream, perform a Health Check and clear ALL DTCs that may have occurred during the update process.

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DCM Firmware Update Procedure (continued)

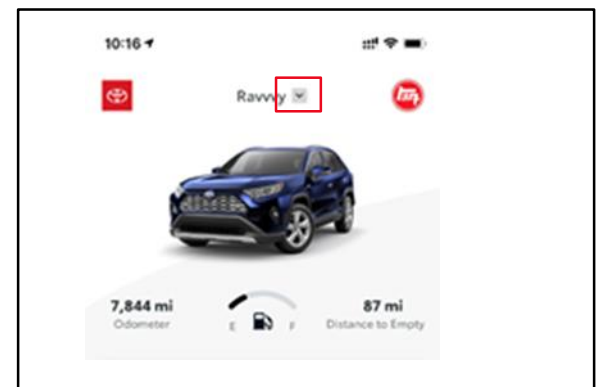
13. For customers with the “Unable to Activate Remote” message, perform steps 14 – 16 in the Toyota app.

Figure 7.



14. Click on the arrow by the vehicle name/nickname.

Figure 8.

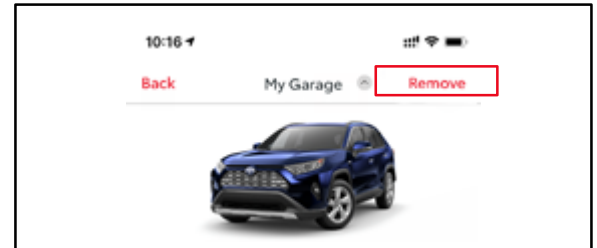


DCM Firmware Update (LG)

DCM Firmware Update Procedure (continued)

15. Click on Remove.

Figure 9.



16. Click on Add Vehicle to perform the enrollment again.

Figure 10.

