



Technical Service Bulletin

GROUP RECALL	NUMBER 26-01-011H-2
DATE JANUARY 2026	MODEL(S) SEE BELOW

SUBJECT: INSTRUMENT CLUSTER LOGIC UNIT (CLU) SOFTWARE UPDATE
(RECALL 293)

This TSB supersedes 26-01-011H-1 to add Santa Fe and Santa Fe Hybrid to the Applicable Vehicles, GDS Information, Warranty Information, ROM ID Information, and Manual Mode Password sections.

★ IMPORTANT

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WebDCS to identify open recalls.

Description: Certain vehicles listed below have instrument panel (IP) cluster displays that may intermittently reboot during vehicle operation, potentially resulting in a temporary blank screen due to electrical noise occurring within the Power Management Integrated Circuit (PMIC). An inoperative IP cluster display could mask essential gauges, such as the speedometer, fuel gauge, and certain on-screen notifications associated with motive powertrain, increasing the risk of a crash. This bulletin provides information to perform a software update, if necessary, for the IP cluster display.

Applicable Vehicles (Certain):





Model Year	Model	Production Dates
2026	Sonata (DN8)	07/08/2025 – 10/02/2025
	Sonata Hybrid (DN8 HEV)	07/08/2025 – 09/23/2025
	Palisade (LX3)	06/27/2025 – 10/20/2025
	Palisade Hybrid (LX3 HEV)	08/11/2025 – 10/18/2025
	Santa Fe (MX5A)	08/28/2025 – 11/20/2025
	Santa Fe Hybrid (MX5A HEV)	08/28/2025 – 11/19/2025
	Santa Cruz (NXT)	08/29/2025 – 11/03/2025
	Kona (SX2)	07/05/2025 – 11/01/2025
	IONIQ 5 (NEA EV)	10/14/2025 – 01/12/2026
2025 – 2026	Tucson (NX4A)	08/25/2025 – 10/11/2025
	Tucson Hybrid (NX4 HEV)	06/27/2025 – 09/30/2025
	Tucson Plug-in Hybrid (NX4 PHEV)	07/15/2025 – 09/16/2025

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

NOTICE

To avoid any potential damage to IONIQ vehicles, this recall can only be performed at IONIQ certified dealers.

SST Information:

Tool Name	Tool Number	Figure	Remarks	Ordering Information
VCI 3	G0VHNNN06		VCI 3 comes with the 19-pin cable (P/N G1XDDCA020 included here for reference)	Website: https://hyundaiesentialtools.com/ Email: Hyundaitools@snapon.com Phone: 1-855-763-9199 Hours: 7 AM – 7 PM CST
19-Pin Cable	G1XDDCA020			
VCI 2	G1XDDMN001		If using VCI 2, the ECI Kit will be required to complete software updates.	
Ethernet Communication Interface (ECI) Kit	G0XDDMN052			

NOTE: VCI 2 can **NO** longer be ordered but can be used for the updates in this TSB.

GDS Information:

Model	System	Event Number*	Description
Palisade (LX3)	CLU	1336	LX3/LX3 HEV CLU LOGIC IMPROVEMENT (12Inch) (AP)
Palisade Hybrid (LX3 HEV)		1335	LX3/LX3 HEV CLU LOGIC IMPROVEMENT (12Inch) (MCU)
IONIQ 5 (NE EV)		1346	NE1a CLU LOGIC IMPROVEMENT (12Inch) (AP)
		1345	NE1a CLU LOGIC IMPROVEMENT (12Inch) (MCU)
Sonata (DN8)		1348	DN8 PE/DN8 PE HEV CLU LOGIC IMPROVEMENT (12Inch) (AP)
Sonata Hybrid (DN8 HEV)		1347	DN8 PE/DN8 PE HEV CLU LOGIC IMPROVEMENT (12Inch) (MCU)
Tucson Hybrid (NX4 HEV)		1350	NX4 PE/NX4KH CLU LOGIC Improvement (12inch) (AP)
Tucson Plug-in Hybrid (NX4 PHEV)		1349	NX4 PE/NX4KH CLU LOGIC IMPROVEMENT (12inch) (MCU)
Tucson (NX4)		1352	NX4a CLU LOGIC IMPROVEMENT (12Inch) (AP)
Santa Cruz (NXT)		1354	NX4aT(OB) CLU LOGIC IMPROVEMENT (12Inch) (AP)
		1353	NX4aT(OB) CLU LOGIC IMPROVEMENT (12Inch) (MCU)
Santa Fe (MX5A)		1357	MX5KH/MX5a/MX5AH CLU LOGIC IMPROVEMENT (12Inch) (AP)
Santa Fe Hybrid (MX5A HEV)		1385	MX5KH/MX5a/MX5AH CLU LOGIC IMPROVEMENT (12Inch) (MCU)
Kona (SX2)		1359	SX2/SX2 EV CLU LOGIC IMPROVEMENT (12Inch) (AP)
		1358	SX2/SX2 EV CLU LOGIC IMPROVEMENT (12Inch) (MCU)

(*or use a later available event listed in the GDS CLU Update screen if one is available.)

CAUTION

AP should be updated first and then MCU, otherwise the cluster module can be damaged and will require replacement.

NOTICE

Both **AP** and **MCU** subsystems **MUST** be updated, if applicable.

NOTICE

The **EVENT** download onto the GDS may take longer than normal due to large file size.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Palisade (LX3)	61D026R0	CLU Software Update	0.6 M/H	940C3-P9060	I11	ZZ3
Palisade Hybrid (LX3 HEV)	61D026R1					
Kona (SX2)	61D026R2		0.5 M/H	940C3-BE290		
Santa Fe (MX5A)	61D026R3			940C3-R6000		
Santa Fe Hybrid (MX5A HEV)	61D026R4			940C3-CW000		
Tucson (NX4A)	61D026R6			940C3-K5000		
Santa Cruz (NXT)	61D026R7			940C3-L1020		
Sonata (DN8)	61D026R8			940C3-PI010		
Sonata Hybrid (DN8 HEV)	61D026R9					
IONIQ 5 (NEA EV)	61D026RA					
Tucson Hybrid (NX4 HEV)	61D026R5		0.7 M/H	940C3-N9000		
Tucson Plug-in Hybrid (NX4 PHEV)						

NOTE 1: Submit claim on Claim Entry Screen as “Campaign” type.

NOTE 2: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the dealer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the dealer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 3: This TSB includes repair validation photos. Op times include VIN, mileage, and photo capture of the ECU Update “Success” screen as outlined in the Digital Documentation Policy. Required photos include the ECU Update “Success” screen for “AP” event and “MCU” event (if applicable).

ROM ID Information:

Model	MY	System	ECU Part Number	Software	ROM ID	
					Current	Latest
Sonata (DN8) Sonata Hybrid (DN8 HEV)	2026	CLU	940C3-L1020	AP	CP12_M.AP.HMC.ALL. 0000.V003.049.250226	CP12_M.AP.HMC.ALL. 0000.V003.049.250916
				MCU	CP12_M.MCU.HMC.ALL. 0000.V003.050.240807	CP12_M.MCU.HMC.ALL. 0000.V003.050.250516
940C3-L1100	AP		CP12_M.AP.HMC.ALL. 0000.V003.049.250226	CP12_M.AP.HMC.ALL. 0000.V003.049.250916		
	MCU		CP12_M.MCU.HMC.ALL. 0000.V003.050.240807	CP12_M.MCU.HMC.ALL. 0000.V003.050.250516		
Palisade (LX3) Palisade Hybrid (LX3 HEV)	2026		940C3-P9060	AP	253Q.CP12_M.AP.HMC.ALL. 0000.V019.129.250326	258S.CP12_M.AP.HMC.ALL. 0000.V019.129.250828
				MCU	2532.CP12_M.MCU.LX3.ALL. 0000.V019.132.250307	2551.CP12_M.MCU.LX3.ALL. 0000.V019.132.250517
IONIQ 5 (NEA EV)	2026		940C3-PI010 940C3-PI020	AP	CP12_M.AP.HMC.ALL. 0000.V012.083.241119	CP12_M.AP.HMC.ALL. 0000.V012.083.250901
				MCU	CP12_M.MCU.HMC.ALL. 0000.V012.106.241115	CP12_M.MCU.HMC.ALL. 0000.V012.106.250613
			940C3-PI000	AP	CP12_M.AP.HMC.ALL. 0000.V012.083.240905	CP12_M.AP.HMC.ALL. 0000.V012.083.250901
				MCU	CP12_M.MCU.HMC.ALL. 0000.V012.106.240830	CP12_M.MCU.HMC.ALL. 0000.V012.106.250522
Tucson (NX4A)	2026		940C3-CW070	AP	CP12_M.AP.HMC.ALL. 0000.V012.083.250528 CP12_M.AP.HMC.ALL. 0000.V012.083.250812	CP12_M.AP.HMC.ALL. 0000.V012.083.250901
				MCU	Update NOT Required	
Tucson Hybrid (NX4 HEV)	2025	940C3-N9000	AP	CP12_M.AP.HMC.ALL. 0000.V010.070.240906	CP12_M.AP.HMC.ALL. 0000.V010.070.250917	
			MCU	CP12_M.MCU.HMC.ALL. 0000.V010.072.240807	CP12_M.MCU.HMC.ALL. 0000.V010.072.250526	
Tucson Plug-in Hybrid (NX4 PHEV)	2026	940C3-N9700 940C3-P0770	AP	CP12_M.AP.HMC.ALL. 0000.V012.083.250528 CP12_M.AP.HMC.ALL. 0000.V012.083.250812	CP12_M.AP.HMC.ALL. 0000.V012.083.250901	
			MCU	Update NOT Required		
Santa Cruz (NXT)	2026	940C3-K5000	AP	CP12_M.AP.HMC.ALL. 0000.V012.083.240905	CP12_M.AP.HMC.ALL. 0000.V012.083.250917	
			MCU	CP12_M.MCU.HMC.ALL. 0000.V012.092.240806	CP12_M.MCU.HMC.ALL. 0000.V012.092.250522	
Santa Fe (MX5A) Santa Fe Hybrid (MX5A HEV)	2026	940C3-R6000	AP	CP12_M.AP.HMC.ALL. 0000.V011.061.250812 CP12_M.AP.HMC.ALL. 0000.V011.061.240906	CP12_M.AP.HMC.ALL. 0000.V011.061.250829	
			MCU	CP12_M.MCU.HMC.ALL. 0000.V009.062.240807	CP12_M.MCU.HMC.ALL. 0000.V009.062.250526	
Kona (SX2)	2026	940C3-BE290	AP	CP12_M.AP.HMC.ALL. 0000.V011.061.250312 CP12_M.AP.HMC.ALL. 0000.V011.061.250613	CP12_M.AP.HMC.ALL. 0000.V011.061.250902	
			MCU	CP12_M.MCU.HMC.ALL. 0000.V011.076.250227	CP12_M.MCU.HMC.ALL. 0000.V011.076.250513	

NOTICE

The AP and MCU software display in the GDS will include the ECU part number first followed by the ROM ID.

Service Procedure:

DIGITAL DOCUMENTATION



This TSB includes repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

NOTICE

You must initially perform the GDS ECU update in Auto Mode.

- If the ECU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

NOTICE

If the vehicle's battery state of charge is not 90% or above, then ensure the battery charger is connected before starting the update. **Ensure** the tablet's battery charge is **above 30%** before performing the software update to avoid update failure.

NOTICE

If the update fails after multiple attempts, then perform CAP discharge and try again.

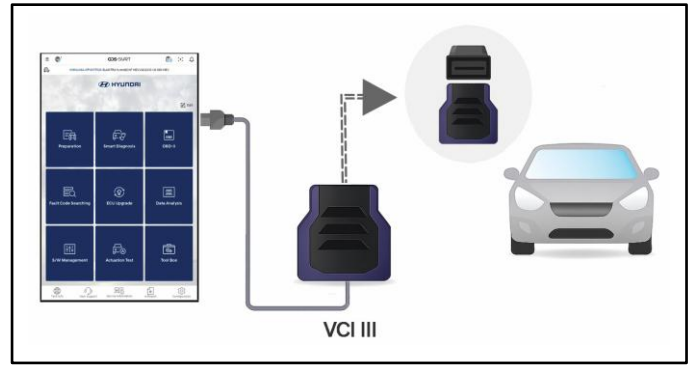


Information

- Turn **OFF** all lamps (do **NOT** leave head lamp switch in auto mode) and all accessories.
- Perform update with the ignition switch in the **ON** position.
- Do **NOT** disconnect any cables connected to the vehicle or scan tool during the update.
- Do **NOT** start the engine OR place in **Ready** mode during the update.
- Do **NOT** turn **OFF** the ignition switch during the update.

Configuration of Ethernet Communication on Tablet PC

1. Connect the Ethernet Communication Interface (ECI) DLC cable to the OBD connector of the vehicle.
2. Connect the VCI DLC cable to the ECI.
3. Select the appropriate tablet cable (type C, 5-pin) to the ECI.
4. Connect the cable to the tablet PC.



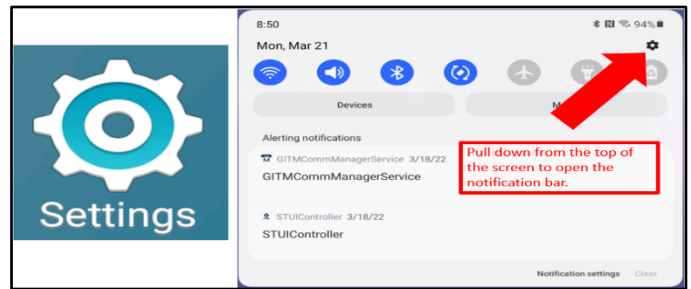
i Information

The connection between the VCI 2 and tablet PC is wireless, whereas the tablet PC is connected to the vehicle through the ECI (Ethernet Adapter).

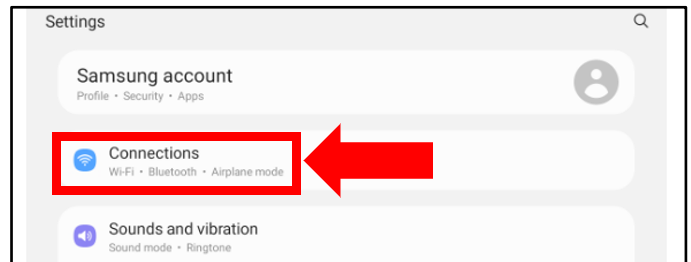
If using the VCI 3, the ECI is **NOT** needed. Connect the tablet directly to the VCI 3 using the USB-C to 19 Pin Cable supplied in the VCI 3 Kit.

GDS Configuration

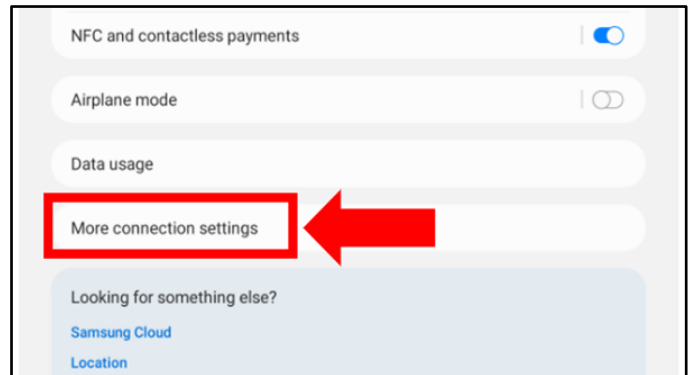
1. Swipe down from the top of the tablet screen to open the notification panel, then select the **Settings** icon.



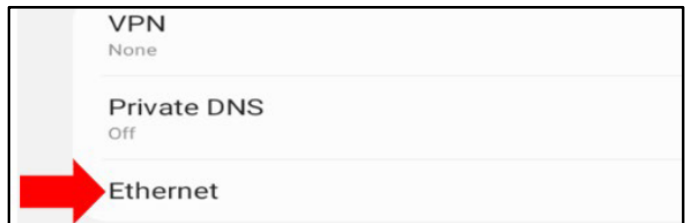
2. Select **Connections**.



3. Select **More connection settings**.



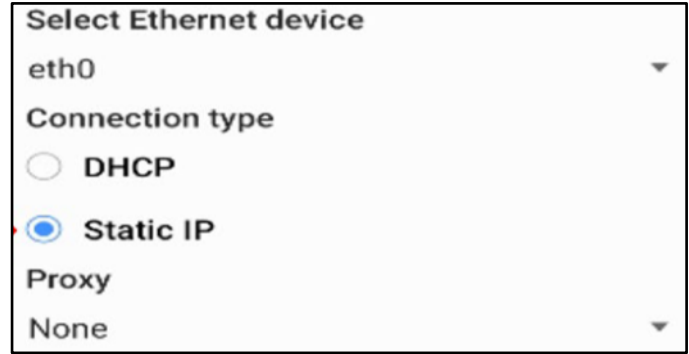
4. Select **Ethernet**.



5. Select **Configure Ethernet Device**.



6. Select **Static IP**.



Select Ethernet device
eth0

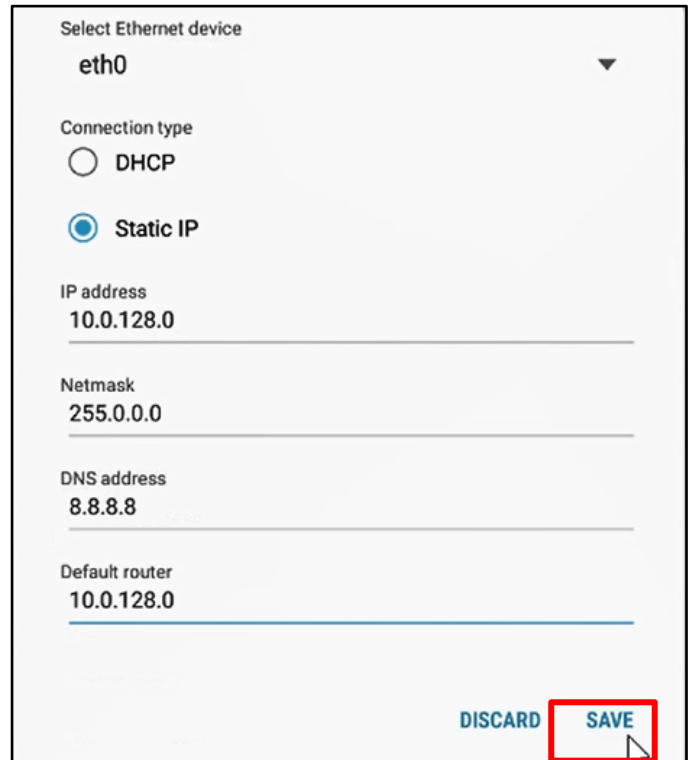
Connection type
 DHCP
 Static IP

Proxy
None

7. Enter the following information into each field:

- IP address: 10.0.128.0
- Netmask: 255.0.0.0
- DNS address: 8.8.8.8
- Default router: 10.0.128.0

Select **SAVE**.



Select Ethernet device
eth0

Connection type
 DHCP
 Static IP

IP address
10.0.128.0

Netmask
255.0.0.0

DNS address
8.8.8.8

Default router
10.0.128.0

DISCARD **SAVE**

8. Open STUI.

i **Information**

Connection settings configuration is now completed.

ECU Update Procedure

NOTICE

Before starting the update, ensure the driver’s seat belt is buckled. The update must be performed with the ignition **ON**, and some vehicles may automatically turn **OFF** if the seat belt is **NOT** fastened.

1. Buckle the driver’s seat belt.
2. Perform the **first of 2** required ECU updates in **Auto Mode (AP)**.

Use the **ID Check** to verify the ROM ID before updating the software.

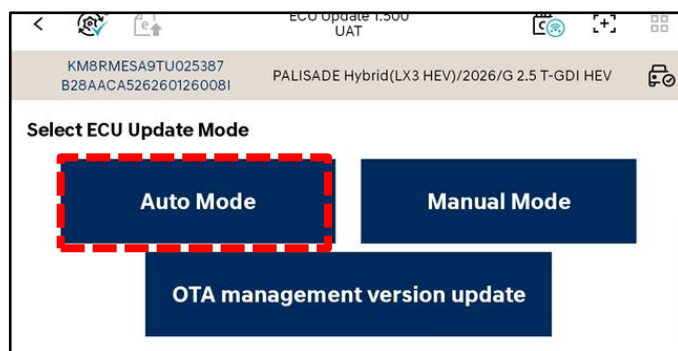
NOTICE

Both **AP** and **MCU** subsystems **MUST** be updated.



Information

Refer to **TSB # 25-GI-011H**, “**ECU Update Procedure for Tablet-Based GDS-Smart**”, for additional information.



- Verify the ROM ID by selecting the **CLU** system to scan the vehicle's current ROM ID.

CAUTION

AP should be updated first and then **MCU**, otherwise the cluster module can be damaged and will require replacement.

NOTICE

Check the current ROM ID version and compare it to the ROM ID Information table before attempting to perform the software update.

NOTICE

If the update fails, remove the power connector from the in-cabin fuse box for at least **5 seconds**. Alternatively, disconnect the negative (-) **12V** battery terminal and wait at least **5 seconds**. Reassemble and retry the update.

VCI	Current ROM ID	Latest ROM ID	TSB	Update
	940C3P9060_253Q.CP12_M.AP.HMC.ALL.0000.V019.129.250326	940C3P9060_258S.CP12_M.AP.HMC.ALL.0000.V019.129.250828		

Information

Update is required in the order of (1) AP → (2) MCU (If MCU is updated first, Cluster replacement may be required due to cluster green screen occurrence)

Cancel **OK**

- After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).

i Information

The vehicle state may be in **IGN OFF**, if so, turn **IGN ON, OFF**, wait **10 seconds**, **ON** again, and then select **OK**.

i Information

Use the **Refresh** button to reset the timer.

1336.LX3/LX3 HEV CLU LOGIC IMPROVEMENT (12Inch) (AP)

00:16

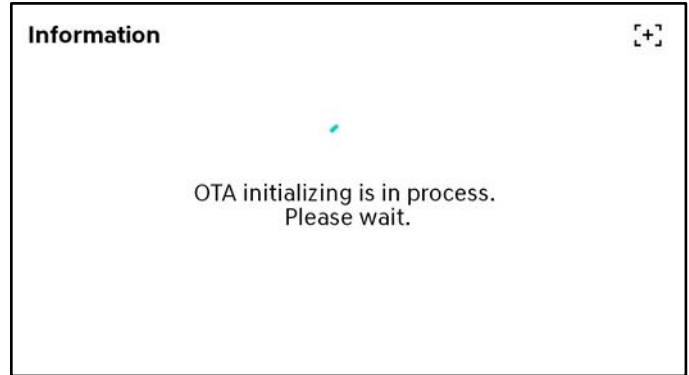
Turn IG off for 10 seconds and then back on. Click the OK button to continue.


ROM ID

Org.ROMID	940C3P9060_253Q.CP12_M.AP.HMC.ALL.0000.V019.129.250326
Cur.ROMID	940C3P9060_253Q.CP12_M.AP.HMC.ALL.0000.V019.129.250326
Lat.ROMID	940C3P9060_258S.CP12_M.AP.HMC.ALL.0000.V019.129.250828

OK

- The GDS will automatically perform the OTA initializing.

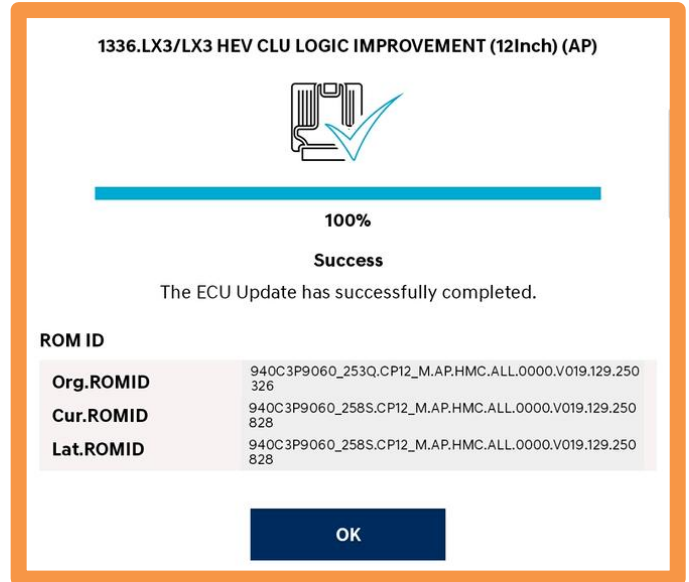


- DIGITAL DOCUMENTATION** 

Using the tablet or GDS screen capture function, take a screenshot of the ECU Update "Success" result screen.

Upload the photo to STUI (1 of 2 required).

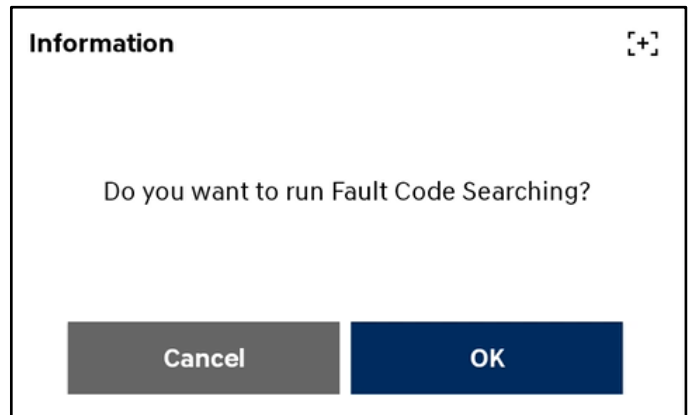
NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



- Select **Cancel** and proceed to updating the **MCU** if applicable.

NOTICE

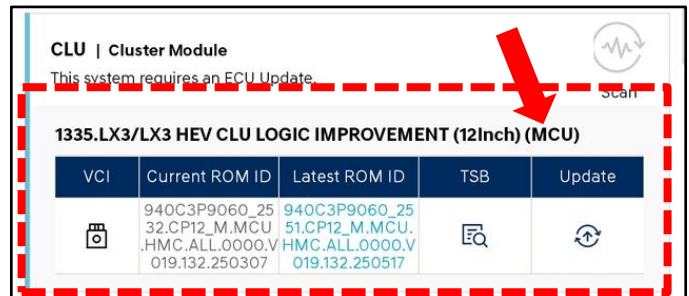
No need to perform the Fault Code Searching as this procedure will be performed after disconnecting the power connector.



- Perform the **second of 2** required ECU updates in **Auto Mode (MCU)**, if applicable.

NOTICE

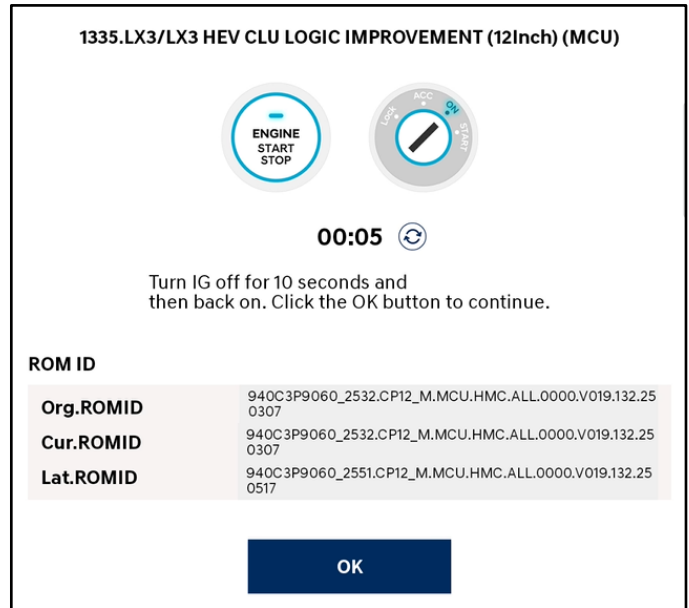
Both **AP** and **MCU** subsystems **MUST** be updated, if applicable.



- After the ECU update process shows 100% complete, follow the prompts on the screen to cycle the ignition **OFF** for at least **10 seconds** to reset the control unit (certain models may take up to **30 seconds**).

i Information

Use the **Refresh** button to reset the timer.



- The GDS will automatically perform the OTA initializing.

NOTICE

If the GDS does **NOT** automatically perform the OTA initializing, then perform this procedure after the software is updated successfully.



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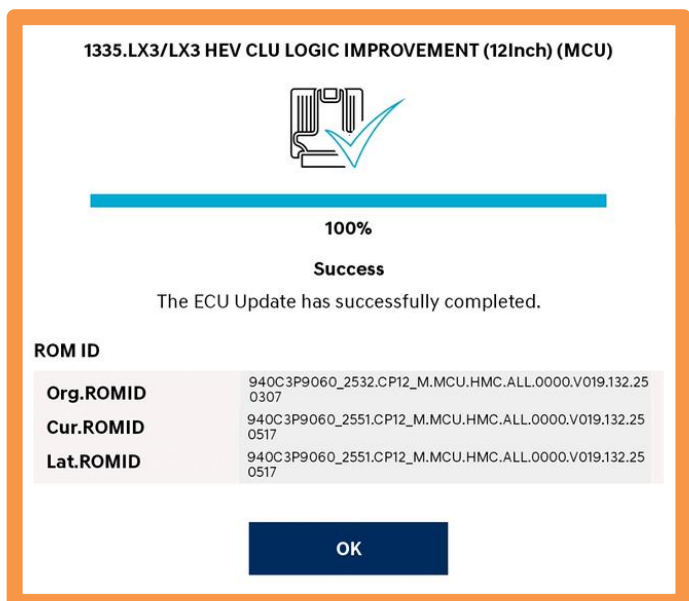
DIGITAL DOCUMENTATION



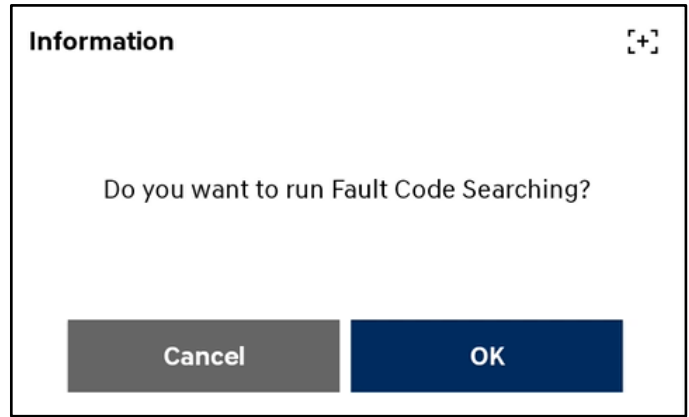
Using the tablet or GDS screen capture function, take a screenshot of the ECU Update "Success" result screen.

Upload the photo to STUI (2 of 2 required).

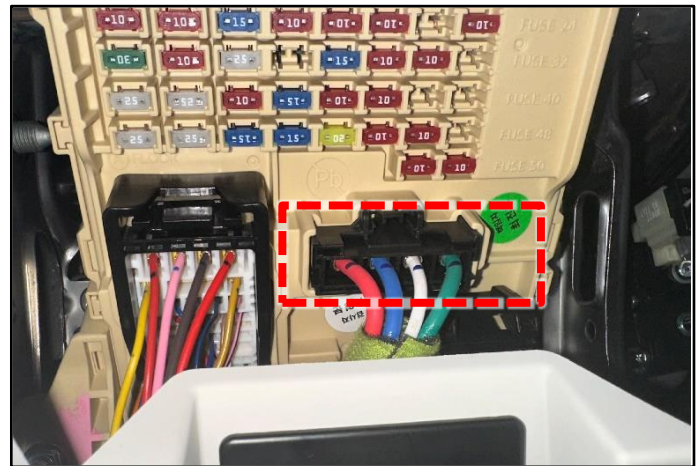
NOTE: The VIN/Date/Time/Mileage photo imprint is **NOT** required for GDS screenshots.



12. Select **Cancel** and proceed to disconnecting the power connector.



13. Remove the power connector of the indoor fuse box and reconnect after **5 seconds**.

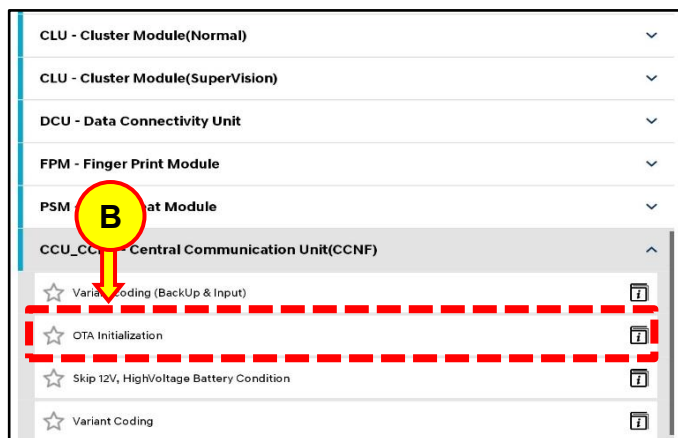
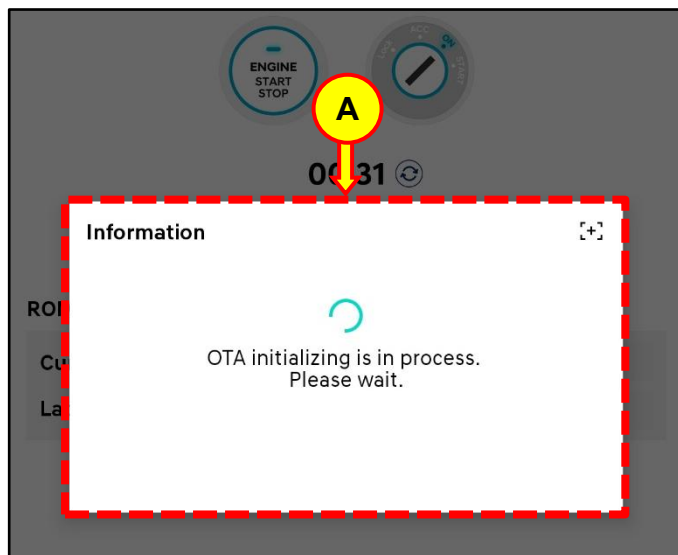


14. Perform an **All Systems Fault Code** search and erase DTC history that had incidentally occurred from the ECU update.

OTA Initialization (if required):

15. OTA initialization (A) should perform automatically after the software update:
- If OTA initialization performs automatically, then proceed with the service procedure.
 - If the OTA initialization process fails, complete it manually under:
S/W Management > CCU_CCNF - Central Communication Unit (CCNF) > OTA Initialization (B).

Follow the instructions on the screen.



16. Start the engine OR place in **Ready** mode to confirm proper operation of the vehicle.
17. The service procedure is now complete.

NOTICE

If the ECU update fails in Auto Mode, perform the update in Manual Mode using the password(s) below.

Manual Mode Password:

Event	Menu	Password
1336	LX3/LX3 HEV CLU 940C3-P9060 (12Inch) (AP)	6230
1335	LX3/LX3 HEV CLU 940C3-P9060 (12Inch) (MCU)	5366
1346	NE1a CLU 940C3-PI010/20 (12Inch) (AP)	5074
	NE1a CLU 940C3-PI000 (12Inch) (AP)	5076
1345	NE1a CLU 940C3-PI010/20 (12Inch) (MCU)	5073
	NE1a CLU 940C3-PI000 (12Inch) (MCU)	5075
1348	DN8 PE/DN8 PE HEV CLU 940C3-L1100/020 (12Inch) (AP)	9411
1347	DN8 PE/DN8 PE HEV CLU 940C3-L1100/020 (12Inch) (MCU)	3020
1350	NX4 PE/NX4KH 940C3-N9000 (12Inch) (AP)	9010
	NX4 PE/NX4KH 940C3-N9700/P0770 (12Inch) (AP)	0901
1349	NX4 PE/NX4KH 940C3-N9000 (12Inch) (AP)	9403
1352	NX4a CLU 940C3-CW070 (12Inch) (AP)	3567
1354	NX4aT(OB) CLU 940C3-K5000 (12Inch) (AP)	9546
1353	NX4aT(OB) CLU 940C3-K5000 (12Inch) (MCU)	9235
1357	MX5a/MX5AH CLU 940C3-R6000 (12Inch) (AP)	4082
1385	MX5a/MX5AH CLU 940C3-R6000 (12Inch) (MCU)	3914
1359	SX2 CLU 940C3-BE190/BE290 (12Inch) (AP)	6083
1358	SX2 CLU 940C3-BE190/290 (12Inch) (MCU)	6081