 HYUNDAI Technical Service Bulletin	GROUP CAMPAIGN	NUMBER 23-01-078H
	DATE SEPTEMBER 2023	MODEL(S) VENUE (QX)
SUBJECT: 'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE AND AVN UPDATE (SERVICE CAMPAIGN TAP)		

★ IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WEBDCS to identify open campaigns.

Description: Some 2023MY Venue (QX) vehicles may experience an “Oil Change” reminder in the instrument cluster without option to reset this function on the AVN (Audio Video Navigation) head unit.

This bulletin provides the service procedure to resolve this concern by performing updates to the ICU (Integrated Central Control Unit) and/or the AVN head unit to apply necessary ICU CAN message logic.



IMPORTANT 1st STEP*: When looking up the VIN in the “Vehicle Information” screen, make sure to go to the “Campaign Not Performed” section, and view the “Campaign Description” field.

- If the op code listed is “30D083R0”, perform the ICU & AVN Upgrade.
- If the op code listed is “30D083R1”, perform the AVN Upgrade ONLY.

Campaign Not Performed (1 Found)

Campaign Code	Recall	Campaign Description	Campaign Start Date	Vin Activation Date	Campaign Bulletins
TAP		30D083R0 - ICU + AVN UPGRADE (23-01-333H)	08/22/2023	08/22/2023	Inquiry

Applicable Vehicles (Certain):

- 2023MY Venue (QX) vehicles produced from 8/24/2022 – 12/06/2022.

SUBJECT: 'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE AND AVN UPDATE (SERVICE CAMPAIGN TAP)

Warranty Information:

MODEL	OP. CODE	OPERATION	OP. TIME	CAUSAL PART	NATURE	CAUSE
VENUE (QX)	30D083R0	ICU + AVN UPGRADE	0.5M/H	39100 – 2M678	M73	ZZ3
	30D083R1	AVN UPGRADE	0.3M/H			

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

NOTE 2: If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

NOTE 3: This TSB includes Repair validation photos. Op times include VIN, Mileage and Repair validation photos as outlined in the Digital Documentation Policy.

ICU SOFTWARE UPDATE PROCEDURE

NOTICE

Check if the vehicle’s software version is affected:

- Check the current version of the ICU ROM ID and compare it to the ROM ID information table listed below before attempting to perform the software update.

NOTICE


You must initially perform the GDS ICU Update in Auto Mode.

- Refer to the TSB **15-GI-001** for the tablet-based Mobile GDS ECU update procedures.
- If the ICU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover. Go to page 8 section III to complete the update in Manual Mode.

NOTICE

- In the ECU Upgrade screen, select ICU as the system to update.

PARTS INFORMATION:

MODEL	PART NAME	PART NUMBER	FIGURE	REMARKS
VENUE (QX)	S/W UPDATE USB MEMORY STICK	00232-19099QX		USB for AVN update

NOTE: All dealers were shipped 1 USB stick free of charge. Additional USBs can be ordered from dealer’s facing PDC.

SUBJECT:'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE
AND AVN UPDATE (SERVICE CAMPAIGN TAP)**GDS INFORMATION:**

EVENT INFORMATION	
MODEL	EVENT DESCRIPTION
VENUE (QX)	1020.QX 23MY ICU S/W TO IMPROVE THE 'OIL REMINDER' RESET FUNCTION

ROM ID INFORMATION TABLE:

EVENT	MODEL	SYSTEM	ICU P/N	ROM ID	
				OLD	NEW
#1020	VENUE (QX)	ICU	91901-K2570 91902-K2460/K2590/ K2610/K2620	1.10	1.20

MANUAL MODE PASSWORD INFORMATION TABLE:

Event #	MENU	PASSWORD
#1020.QX 23MY ICU S/W TO IMPROVE THE 'OIL REMINDER' RESET FUNCTION	QX 23MY ICU 91900-K2010 ~ 91903-K2270	2260

SERVICE PROCEDURE:**STUI**

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

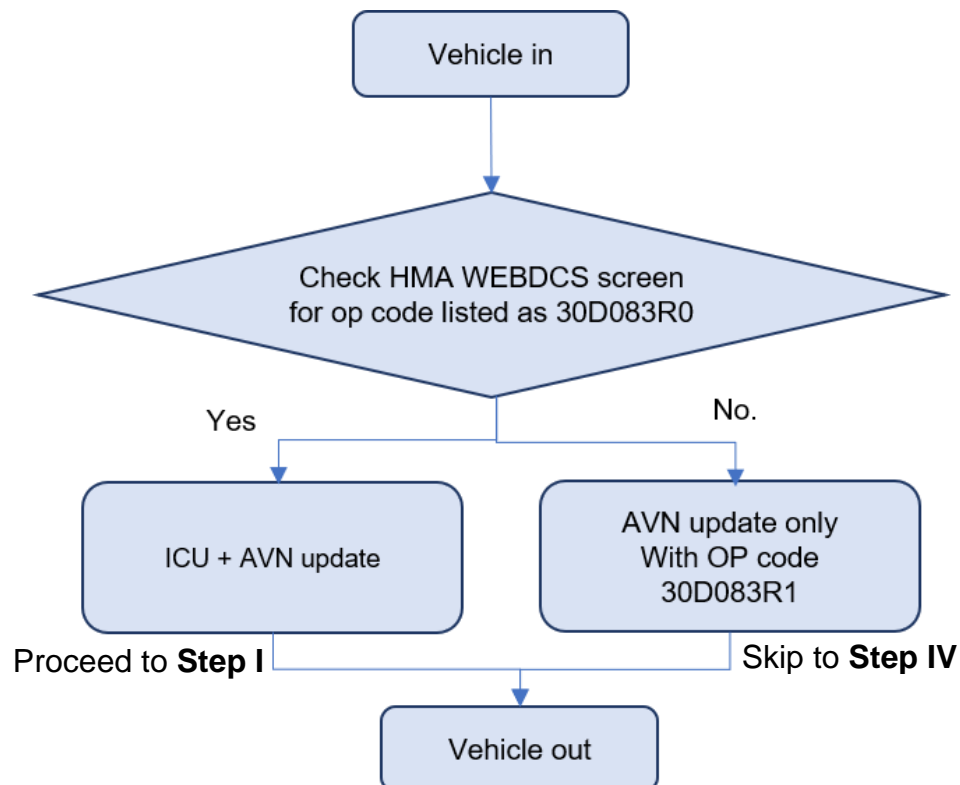


Table of Contents

- I. GDS (Global Diagnostic System)-Mobile Installation Procedure.
- II. Automatic upgrade procedure using GDS-Mobile.
- III. Manual upgrade procedure using the GDS-Mobile.
- IV. AVN head unit update procedure.

⚠ CAUTION

Cautions During Control Unit Upgrade

- Confirm the vehicle's battery is above 12 volts. If the vehicle has been in storage for days, run the engine to assure an adequate battery charge state for reliable upgrade results.
- Turn off all lamps (Do not leave head lamp switch in auto mode) and all accessories (heater, A/C, blower, radio, seat warmer, defroster, etc.); do not allow the battery to be discharged during upgrade.
- Perform upgrade with the ignition switch in the ON position.
- Be careful not to disconnect any cables connected to the vehicle or scan tool during upgrade.
- Do not start the engine during upgrade.
- Do not turn off the ignition switch during upgrade.
- Do not touch the systems buttons (like 'BACK', 'HOME', 'etc.')

■ CONTROL UNIT UPGRADE PROCEDURE USING THE GDS-Mobile

I. GDS (Global Diagnostic System)-Mobile INSTALLATION PROCEDURE

- 1. Connect the VCI-II into the vehicle's DLC connector under the driver side instrument panel and check to turn the VCI-II on.

Before starting the update, make certain that the battery of the Table PC is sufficiently charged.



NOTICE

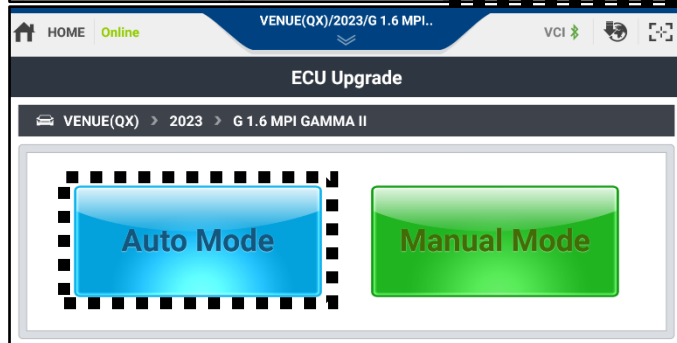
ECU upgrade function on GDS-Mobile is basically operating in wireless communication and Wi-Fi direct. Also, it is possible to be performing via USB cable between Tablet PC and VCI-II.

NOTICE

You must initially perform GDS-M ICU Update in Auto Mode.
If the ICU update starts but then fails in Auto Mode, perform the update in Manual Mode to recover.

II. AUTOMATIC UPGRADE PROCEDURE USING THE GDS-MOBILE

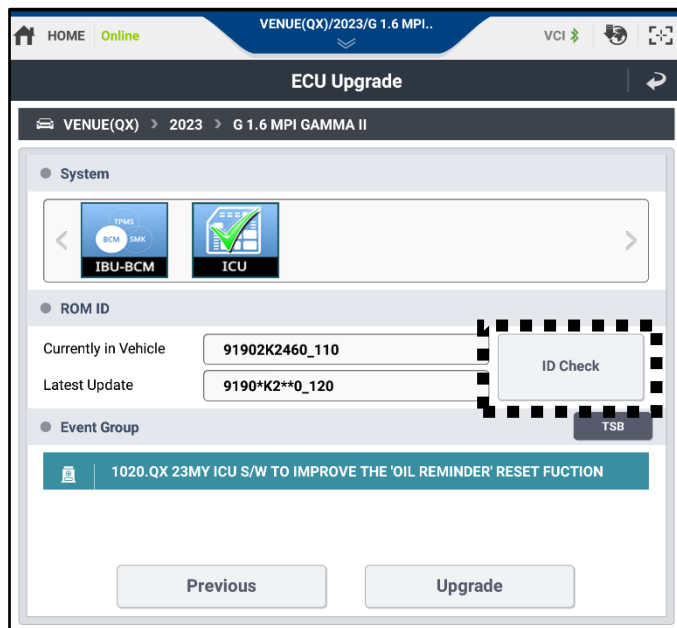
2. Select ECU Upgrade on the initial screen after entering the vehicle information and select Auto Mode.



3. Select **ICU** system and select **ID Check** for GDS to read the current ROM ID in vehicle and check the newest upgrade event.

NOTICE

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

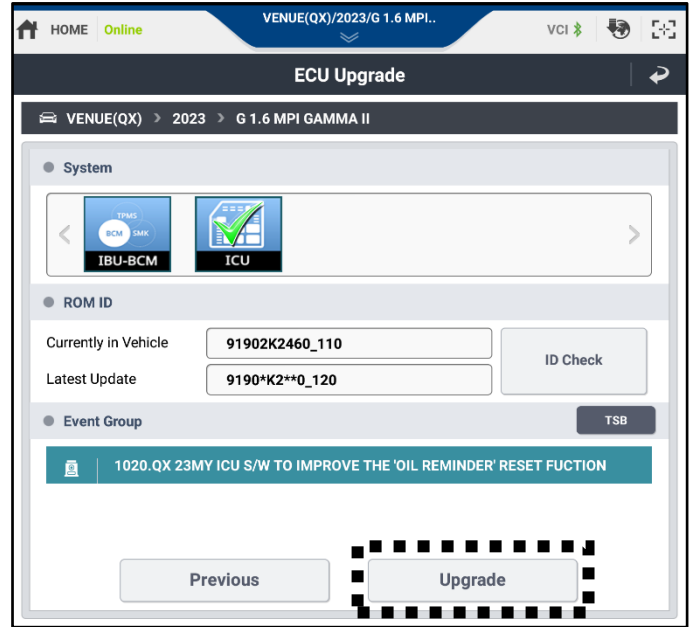


SUBJECT:

**'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE
AND AVN UPDATE (SERVICE CAMPAIGN TAP)**

- 4. Select **Upgrade** after confirming Event is applicable.

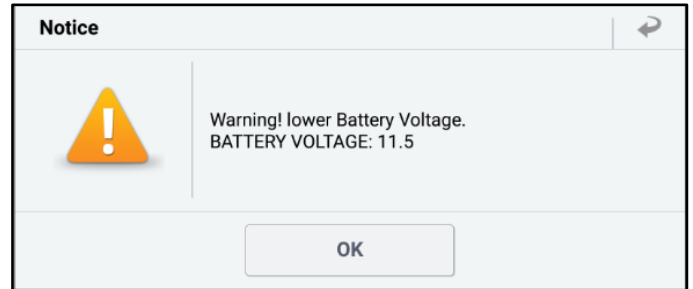
"1020.QX 23MY ICU S/W TO IMPROVE THE 'OIL REMINDER' RESET FUNCTION"



- 5. The vehicle battery voltage is checked to make sure it is at least 12 volts to assure reliable upgrade results. Click OK if the results indicate voltage is ok.

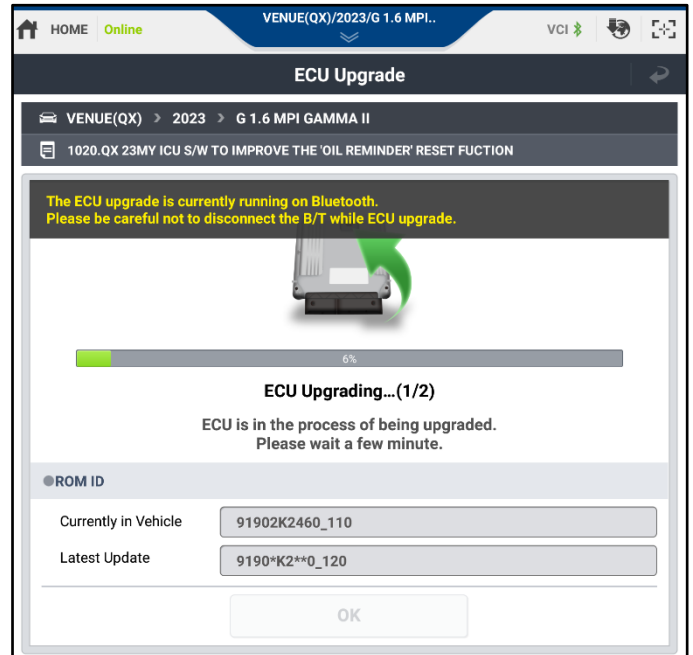
NOTICE

If battery voltage is below 12 volts as below, click BACK and then run the engine to assure an adequate battery charge state for reliable upgrade results.



- 6. Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

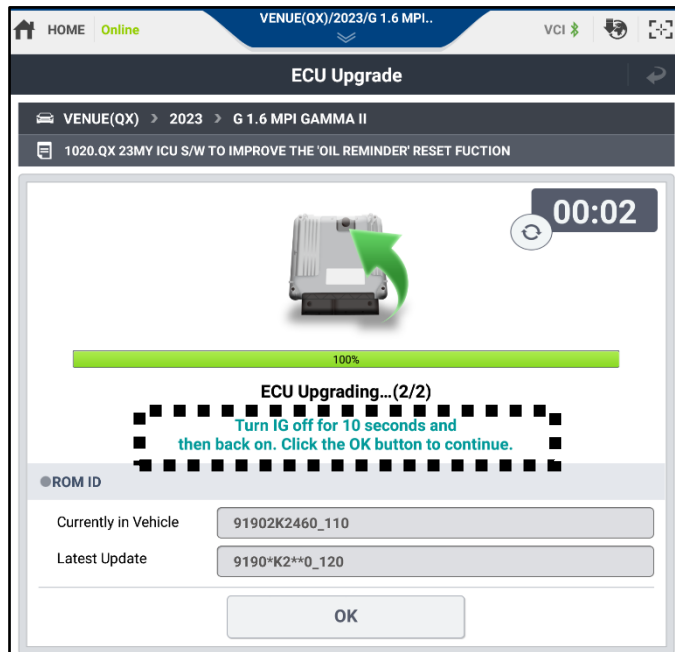
Upgrade (1/2) will occur until 100% is reached on the bar graph.




- 7. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

Upgrade (2/2) will occur until 100% is reached on the bar graph.

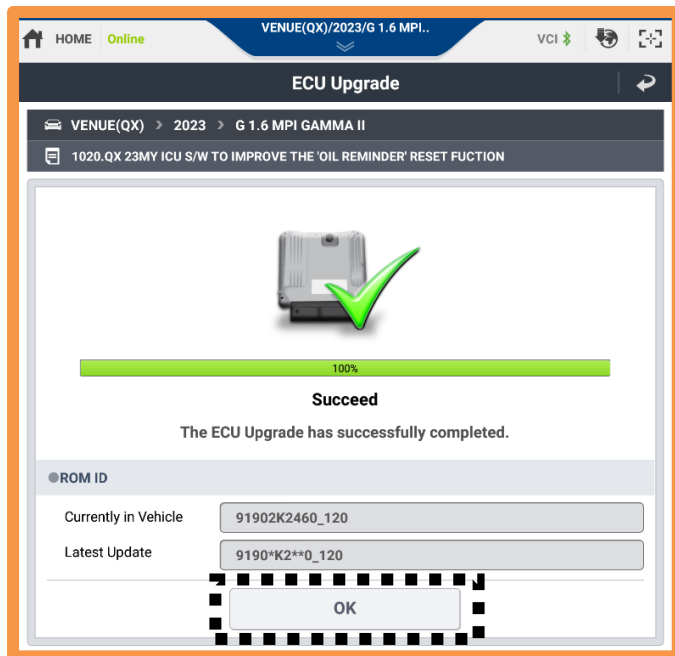
When upgrade reaches 100%, follow GDS instructions to “Turn IG off for 10 seconds and then back on. Click the OK button to continue.”



- 8. Click **OK** on the final screen, which indicates upgrade is complete.

STUI 

Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.



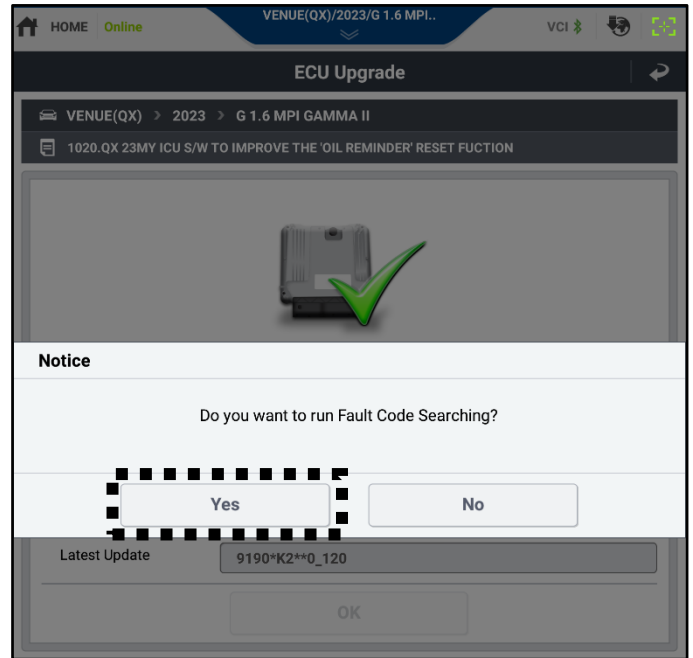
SUBJECT:

**'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE
AND AVN UPDATE (SERVICE CAMPAIGN TAP)**

9. Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle.

Proceed to AVN Update in step IV (page 12).

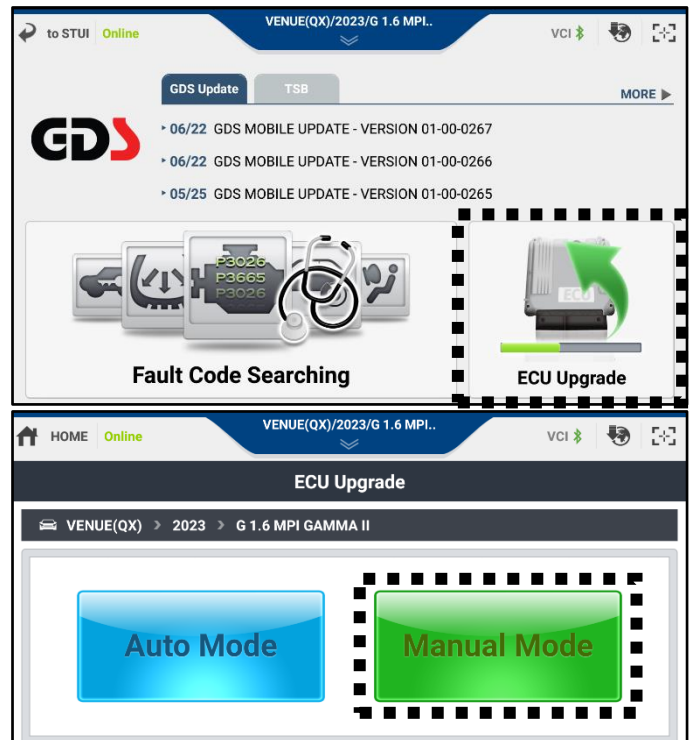


III. MANUAL UPGRADE PROCEDURE USING THE GDS-MOBILE

NOTE:

- The manual upgrade should be performed only when the automatic upgrade fails.
- If automatic upgrade fails, turn the ignition key off for about 10 seconds, place it back in the ON position to reset the control unit before performing manual upgrade.

10. Select ECU Upgrade on the initial screen after entering the vehicle information and select Manual Mode.



11. Select **ICU** system.

Check that the newest event with reference to the above ROM ID Information Table is selected and select **Upgrade**.

#1020. QX 23MY ICU S/W TO IMPROVE THE 'OIL REMINDER' RESET FUNCTION



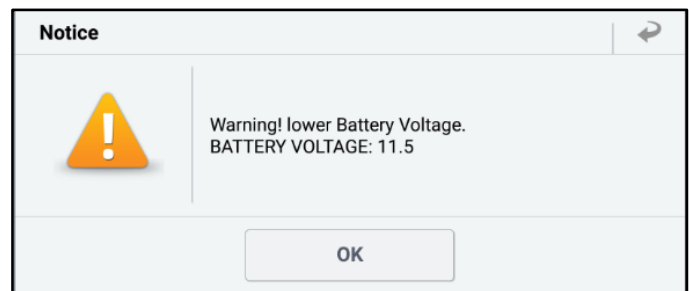
12. Enter the password from the below table then touch OK.

MENU	PASSWORD
QX 23MY ICU 91900-K2010~91903-K2270	2260

13. The vehicle battery voltage is checked to make sure it is at least 12 volts to ensure reliable upgrade results. Click OK if the results indicate voltage is OK.

NOTICE

If battery voltage is below 12 volts as below, click BACK and then run the engine to assure an adequate battery charge state for reliable upgrade results.



SUBJECT:

**'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE
AND AVN UPDATE (SERVICE CAMPAIGN TAP)**

- 14. Upgrade (1/2) will begin, and the progress of the upgrade will appear on the bar graph.

Upgrade (1/2) will occur until 100% is reached on the bar graph.



- 15. Upgrade (2/2) will begin, and the progress of the upgrade will appear in the bar graph.

Upgrade (2/2) will occur until 100% is reached on the bar graph.

When upgrade reaches 100%, follow GDS instructions to “Turn IG off for 10 seconds and then back on. Click the OK button to continue.”



- 16. Click **OK** on the final screen, which indicates upgrade is complete.

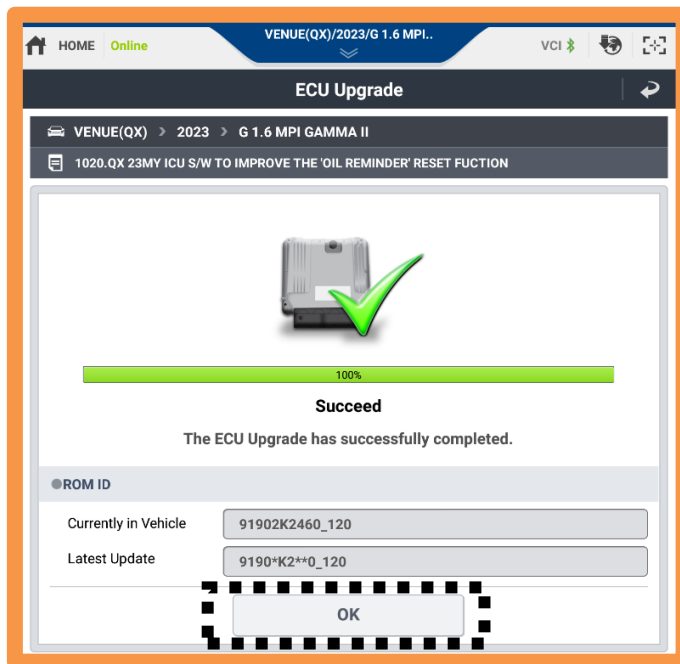
NOTICE

Check the ICU ROM ID and compare it to the ROM ID Information Table to confirm latest ROM ID was updated.

STUI

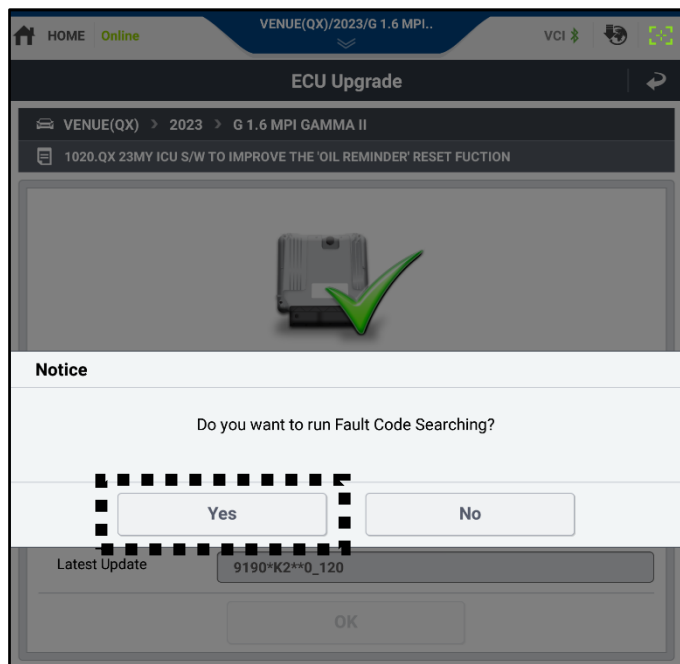


Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.



- 17. Check if any incidental Diagnostic Trouble Codes (DTC) have been created by the upgrade and clear the DTC(s) present.

Start the engine to confirm proper operation of the vehicle.



SUBJECT:

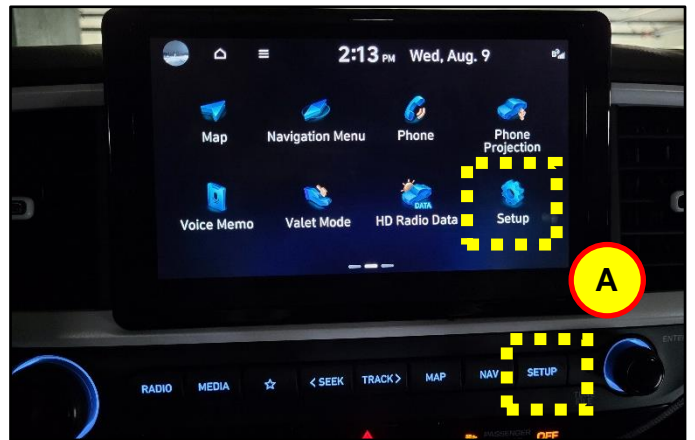
**'OIL REMINDER' RESET FUNCTION ICU LOGIC UPDATE
AND AVN UPDATE (SERVICE CAMPAIGN TAP)**

IV. AVN HEAD UNIT UPDATE PROCEDURE

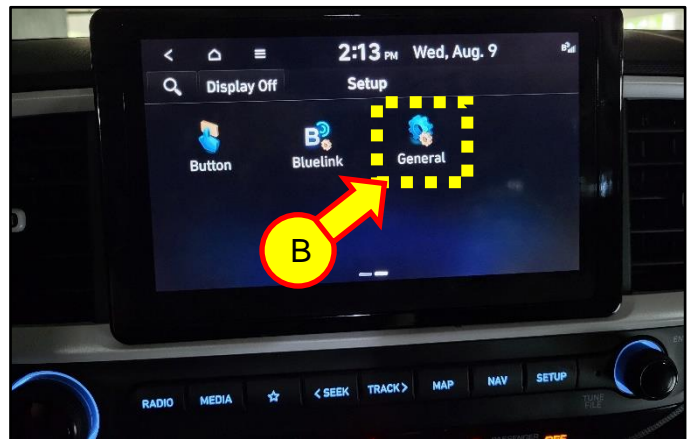
18. Turn the vehicle on and select 'confirm' on the Head Unit screen.



19. Press the **'Setup'** button (A) to enter the Setting menu.



20. Press the **'General'** button (B).



- 21. Confirm the S/W Version that's currently installed is older than the target version.

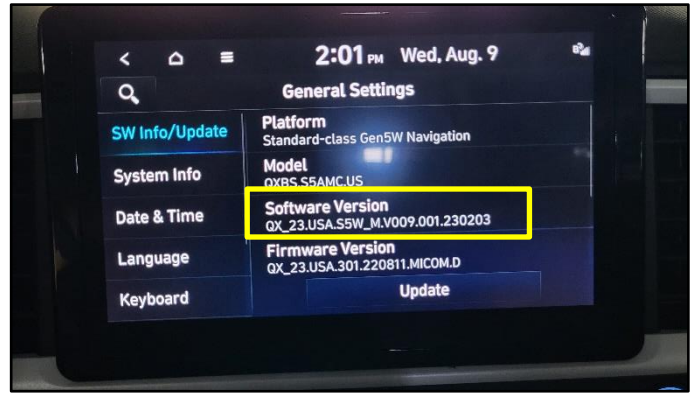
Target S/W Version:
 QX_23.USA.S5W_M.V010.003.230526

i Information

Last 6 digits of the software version indicate the software date (YYMMDD).

NOTICE

If target version is already installed, please proceed to step #27 on page 15 to confirm remedy is successful.



- 22. Insert the USB memory stick into the USB slot.



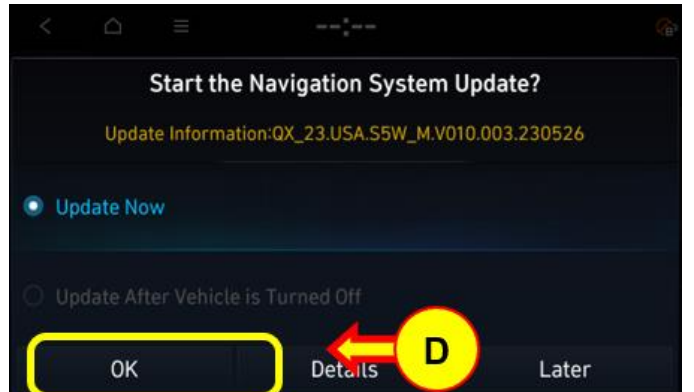
- 23. Press the 'Update' button at the bottom of the screen to proceed with the software update.

NOTICE

Do not remove the USB memory stick or turn off the ignition switch during the update.



- 24. Select 'OK' (D) button on pop-up.

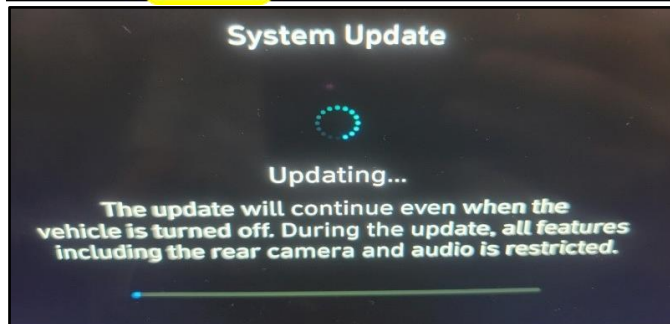
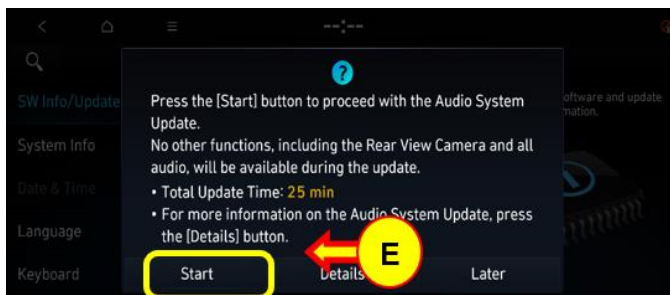


25. Select 'Start' button (E) on pop-up.

NOTICE


Do not turn off power or remove the USB device during the update. It may cause data loss or system failure.

There will be multiple occurrences where the Hyundai logo will appear, or the display will be black during the update process. This is normal.

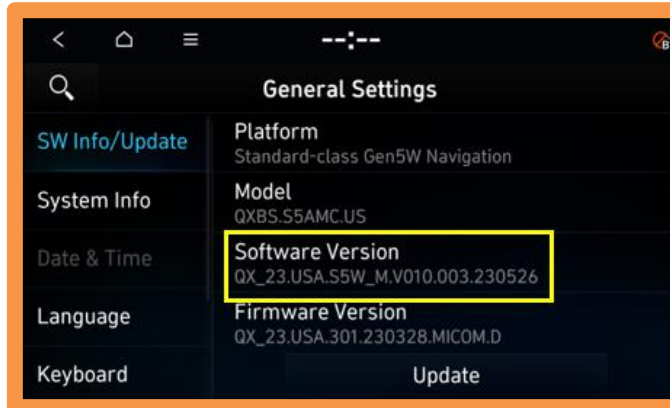


26. Confirm the S/W version has been correctly updated by referring to the 'SW Info/Update' screen.

Update S/W version is:
QX_23.USA.S5W_M.V010.003.230526

STUI 

Take a screenshot of the ECU Update Complete screen using your particular tablet's screenshot save method and upload to STUI.



27. Check the “Oil Change Reminder” function is available in the vehicle settings.

Go to **Setup – Vehicle – Convenience** to check setting is available.

