



GROUP	MODEL
Product Improvement	2024-2026MY EV9 (MV1, MV1a)
NUMBER	DATE
PI2601B	August 2026

TECHNICAL SERVICE BULLETIN

WIPER MESSAGE LOGIC IMPROVEMENT (PI2601B)

This bulletin provides information to install enhanced windshield wiper software on certain 2024-2026MY EV9 (MV1, MV1a) vehicles as listed in the table below.

In winter conditions, accumulated snow/ice may temporarily obstruct the windshield wipers. The enhanced software will have two new ambient-temperature-dependent pop-up instrument cluster messages that will: 1) provide a reminder to clear all snow/ice from the windshield, cowl, and roof prior to driving and 2) provide a reminder to activate wiper service mode when turning off the vehicle to assist in snow/ice removal the next time the car is driven.

Follow the procedure outlined in this publication to first perform the Cluster Module (CLU) and Body Domain Controller (BDC) software upgrades using the Kia Diagnostic System (KDS) diagnostic device, then perform the ccNC update using the provided USB device. Refer to [SST081](#) for software upgrade instructions using the KDS tablet and applicable VCI, and confirm the applicable Upgrade Event Number/Name, ROM ID information, and Manual Mode passwords, if applicable, for the affected vehicle. Before conducting the procedure, verify that the vehicle is included in the affected vehicle population.

Model	Production Date Range
EV9 (MV1, MV1 GT)	September 25, 2023 to October 15, 2024
EV9 (MV1A)	May 17, 2024 to July 16, 2026

NOTICE

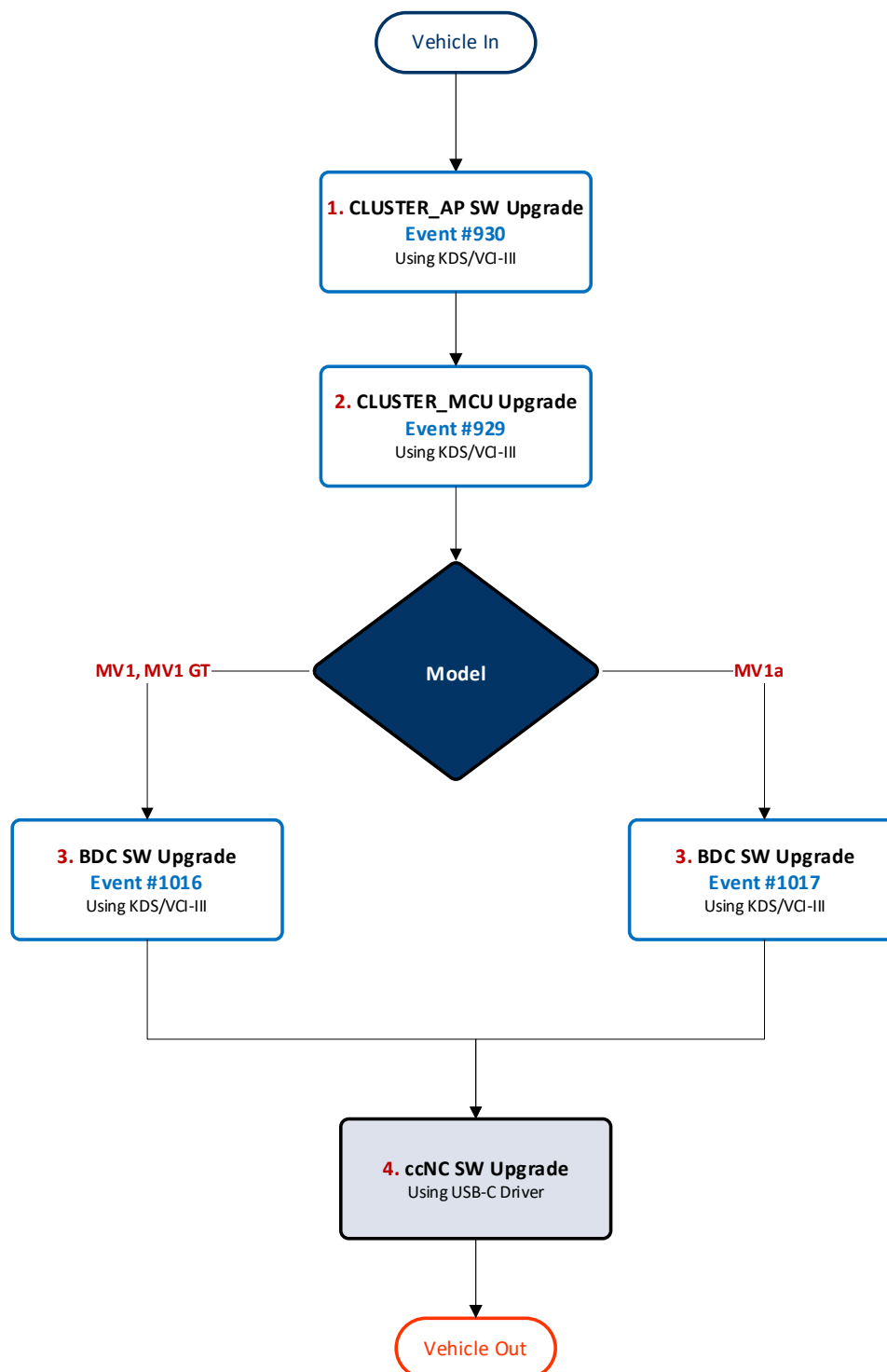
A Product Improvement Campaign is a repair program with customer notification. There is no charge to the vehicle owner for this repair.

Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

This issue number is PI2601B.

A printed copy is for reference only; publication information can be updated at any time.
Always refer to KGIS for the latest information. After logging in [kdealer.com](#), the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

Flowchart:

**❶ IMPORTANT**

All three software upgrade events must be completed in the specified order. Updating the MCU before completing the AP update may result in an instrument cluster green screen condition requiring instrument cluster replacement.

General Information:

 NOTICE

This update requires Ethernet vehicle communication. Before starting the update, confirm the following:

- Connect the ECI connector with VCI-II or VCI-III.
- Connect the ECI connector and VCI-III to the KDS tablet using a USB cable.
- Configure the KDS tablet IP settings before performing the update.

For detailed connection and setup instructions, refer to ["How to Set ECI and Ethernet Static IP for Ethernet Required ECU Upgrade and Diagnostic Tool"](#) on the GIT support website.

Aftermarket devices connected to the vehicle OBD-II port, including GPS tracking devices may interfere with vehicle communication and electronic system operation. Before performing any software update, verify whether any aftermarket device is installed and advise the customer that removal of the device is recommended to help prevent potential update or system concerns.

 IMPORTANT

Perform each software upgrade individually and in the correct sequence for the applicable vehicle:

- MV1 vehicles:
 - CLUSTER_AP (#930), CLUSTER_MCU (#929), BDC (#1016)
- MV1a vehicles:
 - CLUSTER_AP (#930), CLUSTER_MCU (#929), BDC (#1017)

All three software upgrade events must be completed in the specified order. Updating the MCU before completing the AP update may result in an instrument cluster green screen condition requiring instrument cluster replacement.

After completing the CLU and BDC software upgrades, perform the ccNC update using the provided USB device.

Refer to [TSB SST081](#) for instructions to upgrade the 'CLU' and 'BDC' systems:

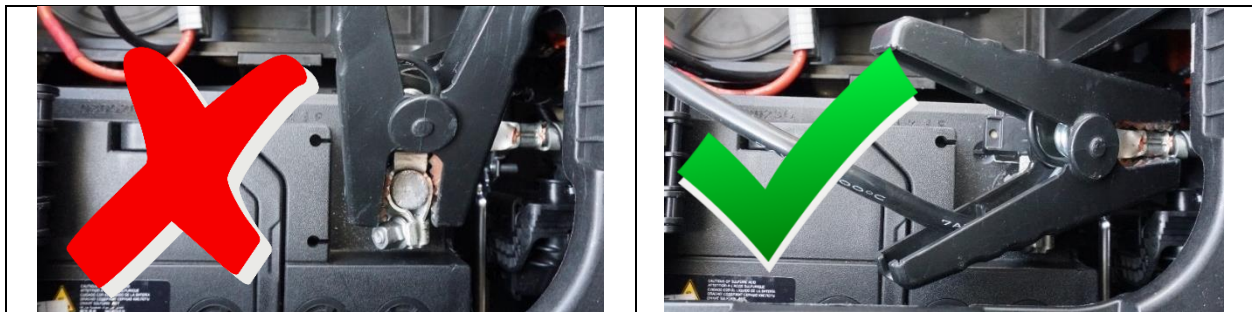
To correct this condition, the specified system module should be reprogrammed using KDS as described in this bulletin in 'Auto Mode'.

Upgrade Event Name
929. MV1 (GT), MV1a CLU Upgrade for Wiper Operation Logic Improvement_2nd (MCU)
930. MV1 (GT), MV1a CLU Upgrade for Wiper Operation Logic Improvement_2nd (AP)
1016. MV1 (GT) BDC Upgrade for Wiper Operation Logic Improvement
1017. MV1a BDC Upgrade for Wiper Operation Logic Improvement

NOTICE

- Confirm a fully charged battery (12.3 volts or higher is necessary) is used or utilize a fully charged jump starter box connected to the battery.
- **Ensure the KDS GDS is sufficiently charged at 60% or higher prior to reflash.**
- All ECU upgrades must be performed with the ignition set to the 'ON' position unless otherwise stated.
- **Damaged VCI II units should not be used and promptly replaced.**
- Be careful not to disconnect the VCI-II connected to the vehicle during the ECU upgrade procedure.
- **DO NOT start the engine during ECU upgrade.**
- DO NOT turn the ignition key 'OFF' or interrupt the power supply during ECU upgrade.
- **When the ECU upgrade is completed, turn the ignition 'OFF' and wait 10 seconds before starting the engine.**
- ONLY use approved ECU upgrade software designated for the correct application.

[Connect the negative \(-\) terminal to the battery as shown below.](#)



NOTICE

Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the applicable model is equipped with an immobilizer  security system. Failure to follow proper procedures may cause the PCM to become inoperative after the upgrade and any claims associated with this repair may be subject to chargeback.

SUBJECT:

WIPER MESSAGE LOGIC IMPROVEMENT (PI2601B)

ROM ID Information Table:

Upgrade Events #929 and #930 **CLU ROM ID TABLE - EV9 (MV1,MV1 GT, MV1a)****① IMPORTANT**

It is recommended to **ALWAYS** check the Electronic Parts Catalog (EPC) to locate the ECU Part Number respective to Auto/Manual Mode ROM IDs. **DO NOT** reference the parts label affixed to the ECU.

System	IMMO 	ECU P/No.	ROM ID	
			Previous	New
MCU	Yes	940C3 DO010 940C3 DO050 940C3 DO110 940C3 DO160	CP12_M.MCU.KMC.ALL.0000.V004.050.230802 CP12_M.MCU.KMC.ALL.0000.V004.050.240201 CP12_M.MCU.KMC.ALL.0000.V004.050.240508 CP12_M.MCU.KMC.ALL.0000.V004.050.240905 CP12_M.MCU.KMC.ALL.0000.V004.050.250924 CP12_M.MCU.KMC.ALL.0000.V014.093.240325 CP12_M.MCU.KMC.ALL.0000.V014.093.240508 CP12_M.MCU.KMC.ALL.0000.V014.093.240807 CP12_M.MCU.KMC.ALL.0000.V014.093.241119 CP12_M.MCU.KMC.ALL.0000.V014.093.241216 CP12_M.MCU.KMC.ALL.0000.V014.093.250812 CP12_M.MCU.KMC.ALL.0000.V014.093.250822 CP12_M.MCU.KMC.ALL.0000.V014.093.250924	CP12_M.MCU.KMC.ALL.0000.V014.093.260424
AP		940C3 DO200 940C3 DO210 940C3 XA000 940C3 XA200	CP12_M.AP.KMC.ALL.0000.V004.049.231013 CP12_M.AP.KMC.ALL.0000.V014.089.240326 CP12_M.AP.KMC.ALL.0000.V014.089.240521 CP12_M.AP.KMC.ALL.0000.V014.089.240702 CP12_M.AP.KMC.ALL.0000.V014.089.240820 CP12_M.AP.KMC.ALL.0000.V014.089.240905 CP12_M.AP.KMC.ALL.0000.V014.089.241122 CP12_M.AP.KMC.ALL.0000.V014.089.250122 CP12_M.AP.KMC.ALL.0000.V014.089.250827 CP12_M.AP.KMC.ALL.0000.V014.089.251014 CP12_M.AP.KMC.ALL.0000.V014.089.251217 CP12_M.AP.KMC.ALL.0000.V014.089.260113	CP12_M.AP.KMC.ALL.0000.V014.089.260528

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.



Upgrade Event #1016 BDC ROM ID TABLE - EV9 (MV1, MV1 GT)

System	IMMO 	ECU P/No.	ROM ID	
			Previous	New
BDC	Yes	95400 DO500 95400 DO510	1.90	3.10
			2.00	
			2.10	
			2.20	
			2.30	
			2.40	
			2.50	
			2.60	
			2.70	
			2.80	
			2.90	

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.

Upgrade Event #1017 BDC ROM ID TABLE - EV9 (MV1a)

System	IMMO 	ECU P/No.	ROM ID	
			Previous	New
BDC	Yes	95400 XA000	1.10	1.60
			1.20	
			1.30	
			1.40	
			1.50	

To verify the vehicle is affected, be sure to check the Calibration Identification of the vehicle's ECM ROM ID and reference the Information Table as necessary.

SUBJECT:

WIPER MESSAGE LOGIC IMPROVEMENT (PI2601B)

AVN SOFTWARE VERSION TABLE - EV9 (MV1)

System	IMMO 	ECU P/No.	Software Version	
			Previous	New
ccNC	Yes	96560 DO700	MV1.USA.ccNC.001.002.260508 and earlier	MV1.USA.ccNC.001.002.260611

Before performing the update verify the currently installed software version.

AVN SOFTWARE VERSION TABLE - EV9 (MV1 GT)

System	IMMO 	ECU P/No.	Software Version	
			Previous	New
ccNC	Yes	96560 DO760	MV1GT.USA.ccNC.001.002.260604 and earlier	MV1GT.USA.ccNC.001.002.260611

Before performing the update verify the currently installed software version..

AVN SOFTWARE VERSION TABLE - EV9 (MV1a)

System	IMMO 	ECU P/No.	Software Vesion	
			Previous	New
ccNC		96560 XA700	MV1A.USA.ccNC.001.002.260508 and earlier	MV1A26.USA.ccNC.001.002.260611
		96560 XA750 96560 XAAZO 96560 XABZO	MV1A26.USA.ccNC.001.002.260508 and earlier	

Before performing the update verify the currently installed software version.

Software Information:

The required software must be installed by selecting the **'Auto Mode'** ECU Upgrade option.

Note: In some cases, the 'Manual Mode' installation option may be required ONLY if the 'Auto Mode' function fails or is otherwise noted above.

Select ECU Upgrade Mode

Auto Mode

Manual Mode

OTA management version update

NOTICE

If the automatic upgrade fails, turn the ignition 'OFF' for about 10 seconds then place it back in the 'ON' position to reset the control unit **BEFORE** performing the manual upgrade.

'Manual Mode' passwords.

Event No.	Menu	Password
#929	MV1 CLU (MCU) : 940C3-DO010/050/110/160/200/210, XA000/200	0351
#930	MV1 CLU (AP) : 940C3-DO010/050/110/160/200/210, XA000/200	9723
#1016	MV1 (GT) BDC : 95400-DO500/510	5510
#1017	MV1a BDC : 95400-XA000	2276

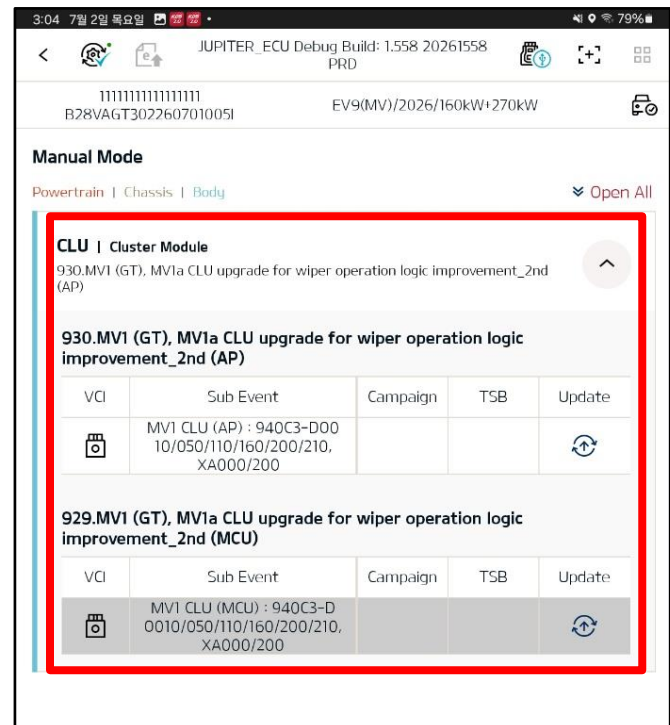
UPGRADE EVENT:

Select the applicable **'CU'** system module and the Event Group.

- 929. MV1 (GT), MV1a CLU Upgrade for Wiper Operation Logic Improvement_2nd (MCU) **And**
- 930. MV1 (GT), MV1a CLU Upgrade for Wiper Operation Logic Improvement_2nd (AP)

Select the applicable **'BDC'** system module and the Event Group.

- 1016. MV1 (GT) BDC Upgrade for Wiper Operation Logic Improvement **Or**
- 1017. MV1a BDC Upgrade for Wiper Operation Logic Improvement



Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on pages 4-6 as necessary.

SUBJECT:

WIPER MESSAGE LOGIC IMPROVEMENT (PI2601B)

ccNC Update Procedure:

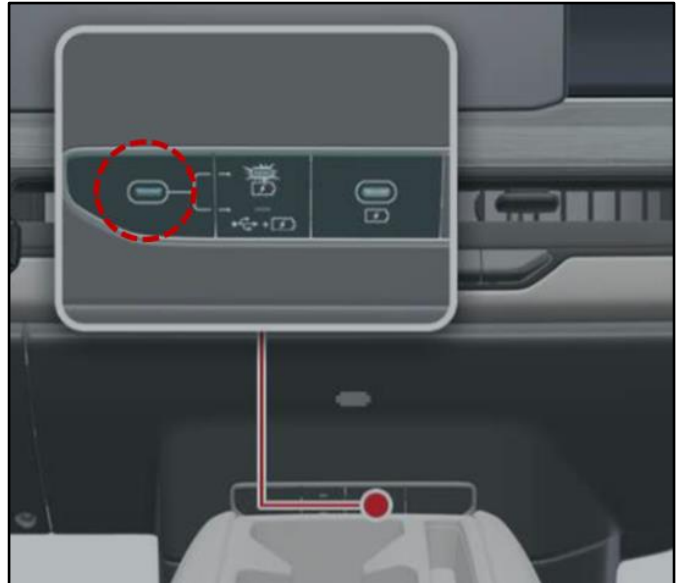
 NOTICE

- Do not interrupt vehicle power during the update process. Doing so may corrupt the software update.
- Ensure the vehicle battery is sufficiently charged before starting the update.

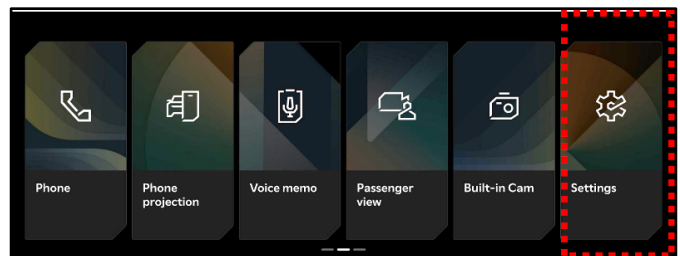
1. Turn on the vehicle.



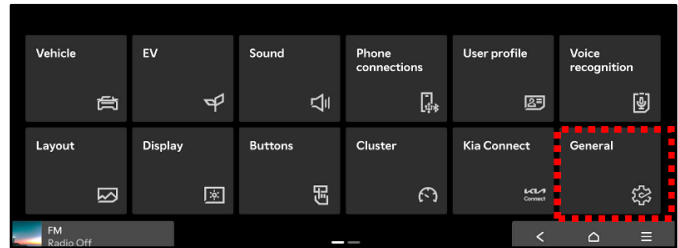
2. Insert the USB to the vehicle's USB data port.



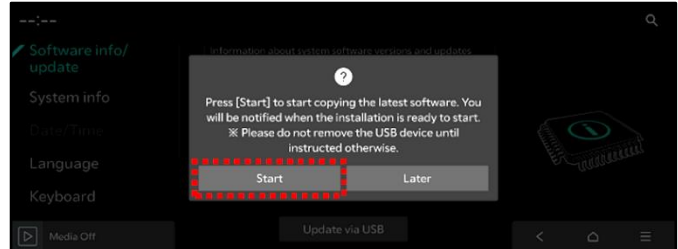
3. Select 'Setting' in Home screen.



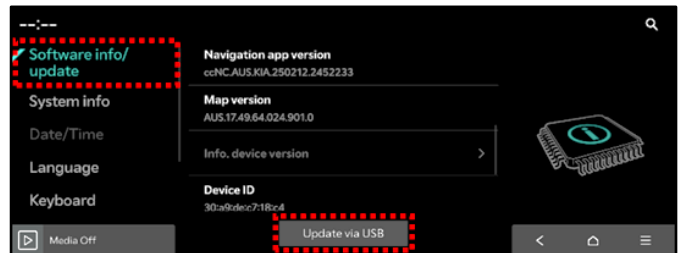
4. Select '**General**' on the Setup screen.



5. Select '**Start**' if a pop up is appears.

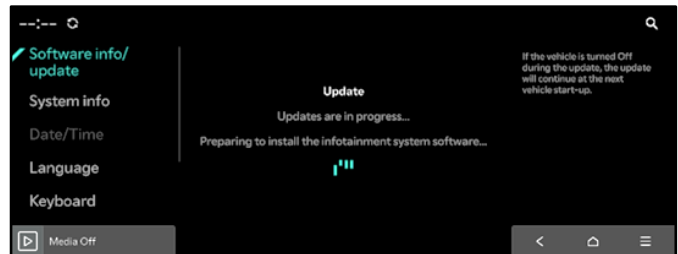


If a pop up does not appear, select '**Update via USB**' on 'Software info/Update'

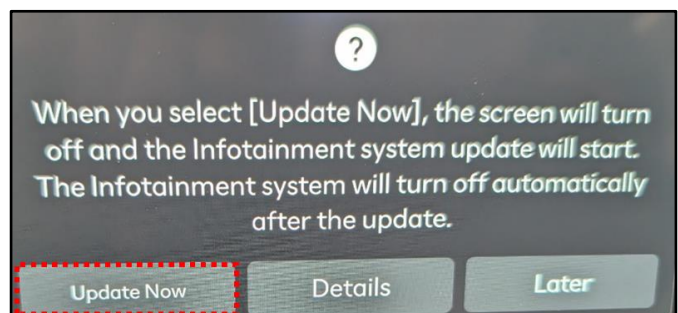


NOTICE

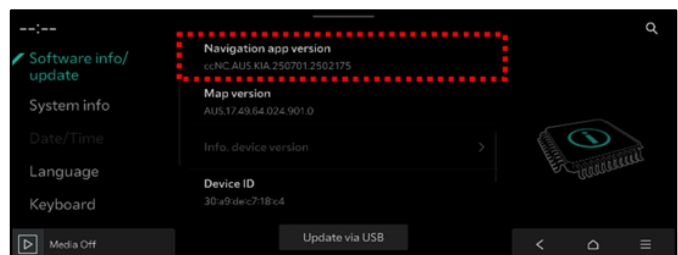
If the update icon appears in the upper-right corner of the screen, the background update is in progress.



6. When the background update is complete, the message '**Ready to install the Navigation System software**' is displayed.
7. Once the update file download is complete select '**Update Now**' to install the software.



8. Confirm that the software update was completed successfully by checking the '**SW Info/Update**' screen.



SUBJECT:

WIPER MESSAGE LOGIC IMPROVEMENT (PI2601B)**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
EV9 (MV1, MV1 GT)	September 25, 2023 to October 15, 2024
EV9 (MV1A)	May 17, 2024 to July 16, 2026

REQUIRED TOOL:

Tool Name	Part Number	Figure	Location	Comments
Kia Diagnostic System (KDS)	N/A		SHOP	KDS + VCI
VCI-II Connector	N/A			Connect Directly to KDS Using Included Ethernet Cable
ECI Adapter	GIT1XDDMN057 or GITOXDDMN052		Drawer 8	ECI Adapter For VCI-II
USB Flash Drive	260300MV1a		Auto-shipped* to Dealers July 29, 2026	S/W Update USB MV1(a)
	260300MV1GT			S/W Update USB MV1 GT

*For replacements, contact Snap-on Business Solutions at (888) 542-1011. Dealers are instructed to store this SST in drawer #16.

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.	Events
MV1 GT*	V	95400 DO500	0	(PI2601B1) Wiper Message Logic Improvement) + ccNC update	260300R0	0.5 M/H	N/A	0	#929 #930 #1016
MV1a**		95400 XA000		(PI2601B2) Wiper Message Logic Improvement) + ccNC update	260A31R0				#929 #930 #1017

*MV1, MV1 GT AVN Software Version: MV1GT.USA.ccNC.001.002.260611

**MV1(a) AVN Software Version: MV1A26.USA.ccNC.001.002.260611

Note: Refer to [Warranty Bulletin 2026-26](#) for claim submission procedures.

When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference [PI2601B](#) when accessing the KDealer+ system.



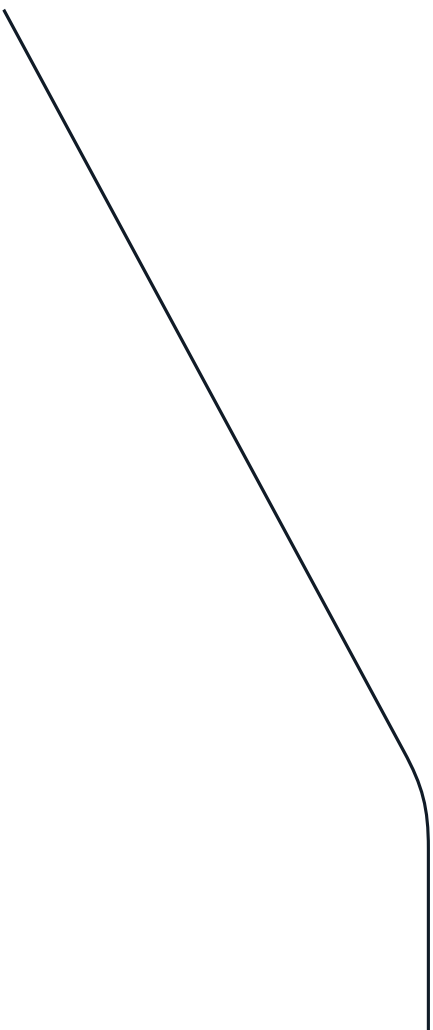
 NOTICE

DEALER STOCK ONLY - Owner's Manual Addendum

Upon completion of the software updates for vehicles in dealer inventory, print the pages below and include them as an addendum to the Owner's Manual.

EV9

Owner's manual leaflet



This leaflet contains revised information for wipers.
Please keep this leaflet with the Owner's manual.



Movement that inspires

Features of your vehicle

Wipers and washers

The wipers and washers remove water and foreign substances from the windshield and rear window, helping to maintain visibility.

- The wipers will operate continuously if the lever is held in this position.
- OFF: Wiper is not in operation
 - LO: Normal wiper speed
 - HI: Fast wiper speed

⚠ CAUTION

If there is heavy accumulation of snow or ice on the windshield, remove it before operating the wipers, defrost the windshield for about 10 minutes, or until the snow and/or ice is removed before using the windshield wipers. If you do not remove the snow and/or ice before using the wiper and washer, it may damage the wiper and washer system.

⚠ WARNING

Do not use the washer in freezing temperatures without first warming the windshield with the defroster; the washer solution could freeze on the windshield and obscure your vision.

* NOTICE

- Before driving, remove all accumulated snow or ice from the roof, windshield, and windshield cowl area (the area below the windshield wipers).



- If the wipers stop operating due to accumulated snow or another obstruction, the warning message "Wipers disabled temporarily. Wipers will resume after snow or ice is melted/cleared," will appear. This is normal, and temporary and does not indicate a malfunction. The system limits wiper operation to prevent damage caused by overloading the wiper motor. Once the obstruction is removed, the wipers will resume operation.

- If snow is forecast and the vehicle is parked outside, place the wipers in Service Mode within 20 seconds of turning off the vehicle by moving the wiper control stalk upward to the

MIST position and holding it for more than 2 seconds. This provides easier access to the wipers and the windshield cowl area when clearing snow or ice before the next use of the vehicle.



Features of your vehicle

Wipers and washers

The wipers and washers remove water and foreign substances from the windshield and rear window, helping to maintain visibility.

- The wipers will operate continuously if the lever is held in this position.
- OFF: Wiper is not in operation
 - LO: Normal wiper speed
 - HI: Fast wiper speed

⚠ CAUTION

If there is heavy accumulation of snow or ice on the windshield, remove it before operating the wipers, defrost the windshield for about 10 minutes, or until the snow and/or ice is removed before using the windshield wipers. If you do not remove the snow and/or ice before using the wiper and washer, it may damage the wiper and washer system.

⚠ WARNING

Do not use the washer in freezing temperatures without first warming the windshield with the defroster; the washer solution could freeze on the windshield and obscure your vision.

* NOTICE

- Before driving, remove all accumulated snow or ice from the roof, windshield, and windshield cowl area (the area below the windshield wipers).



Windshield wipers

Operate as follows when the EV button is on.

- MIST: For a single wiping cycle, move the lever to this position and release it.

1 Wiper speed control

- MIST - Single wiper
- OFF - Off
- AUTO: Auto control wipe
- LO - Low wiper speed
- HI - High wiper speed

2 Rear wiper/washer control

- HI - Continuous wipe
- LO - Intermittent wipe
- OFF - Off

3 Wash with brief wipes (Pull lever towards you)

4 Wash with brief wipes (Rear/Push lever away from you)

