



GROUP	MODEL
ELE	2024MY EV9 (MV)
NUMBER	DATE
326 (Rev 2, 10/25/2024)	January 2024

## TECHNICAL SERVICE BULLETIN

### SERVICE ACTION: POWER SEAT MODULE OPERATION LOGIC IMPROVEMENT (SA557)

#### NOTICE

**This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.**

This bulletin provides the procedure to update the software logic of the Power Seat Module (PSM) system on certain 2024MY EV9 (MV) vehicles produced from September 24, 2023 through November 6, 2023 to improve the front seat Easy Assist and Leg Rest operation, preventing the driver's leg rest from extending while driving. In addition, the software also improves the logic of the cargo area power folding seat buttons, so that the left seat will fold partially if the front row seat is too far back, which is the existing logic for the right seat. Follow the procedure outlined in this publication to apply the improved logic to the 'PSM' system using the KDS ECU Upgrade function as described in this bulletin. For confirmation that the latest reflash has been applied to a vehicle you are working on, verify the ROM ID using the table on page 6 of this bulletin.



#### NOTICE

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

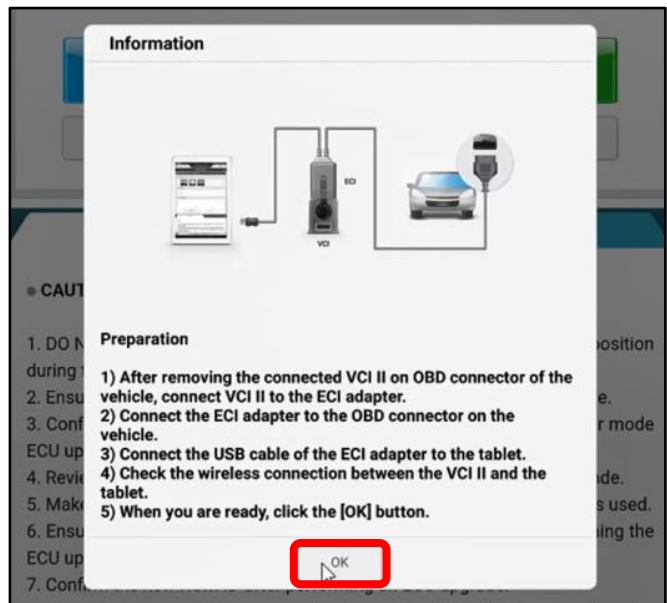
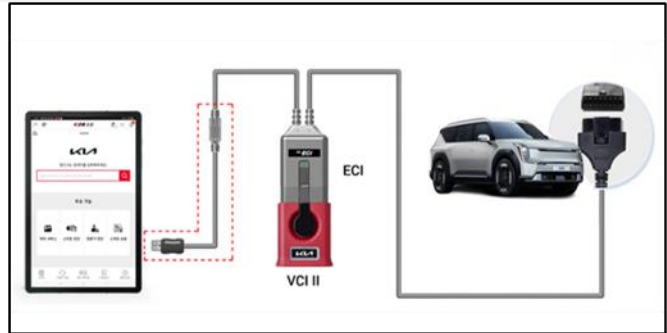
Repair status for a VIN is provided on KDealer+ (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected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

This issue number is SA557.

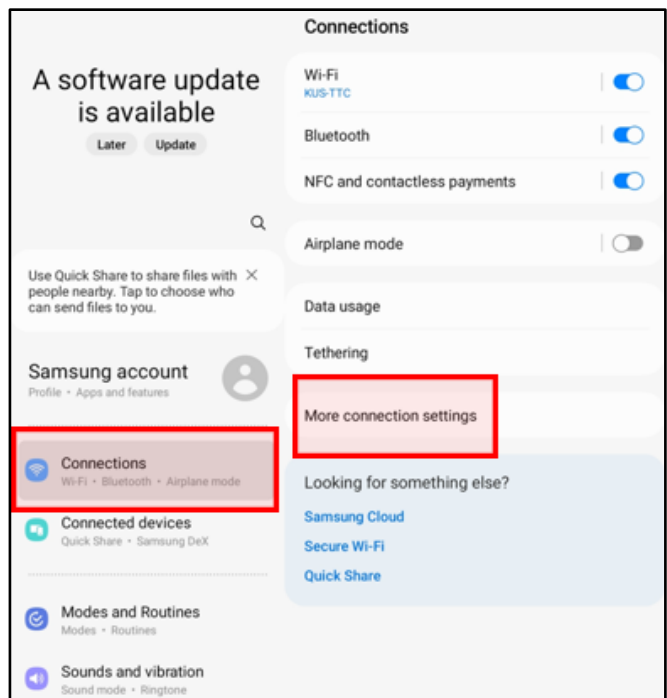
SUBJECT: **SERVICE ACTION: POWER SEAT MODULE OPERATION LOGIC IMPROVEMENT (SA557)**

**ECI Cable Configuration Procedure:**

- 1a. Connect the ECI DLC connector to the OBD-II connector, located under the driver’s side of the instrument panel.
- 1b. Connect the ECI USB C connector to the KDS tablet.
- 1c. Connect the VCI II to the ECI OBD-II connector
- 2. Select ‘OK’.



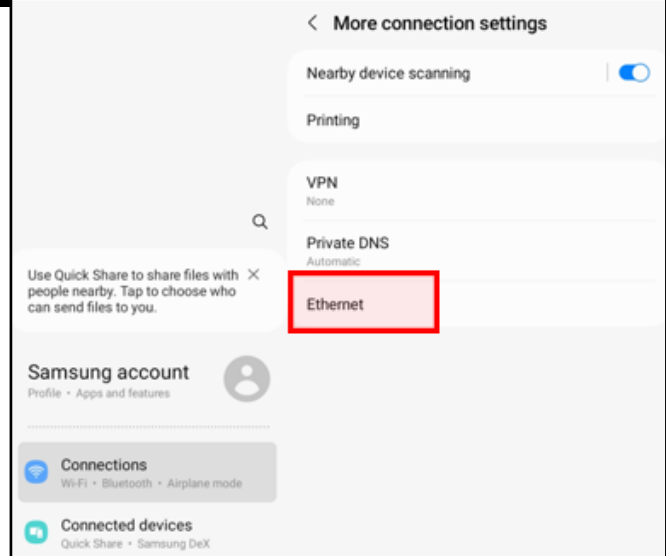
- 3a. Select ‘Settings’ on the KDS tablet.
- 3b. Select ‘Connections’.
- 3c. Select ‘More connection settings’.



SUBJECT:

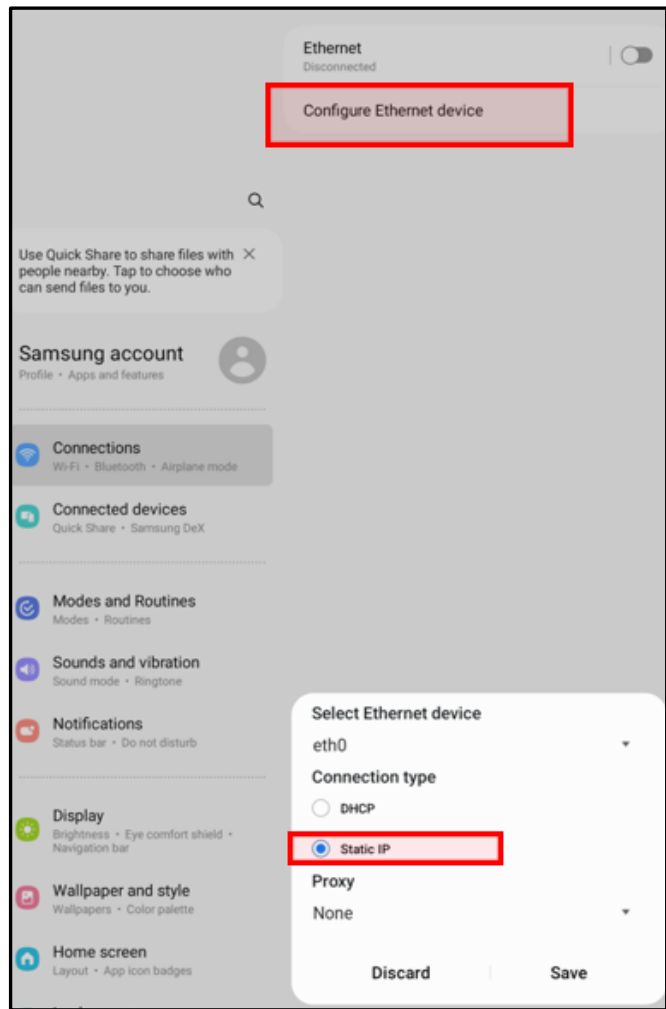
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4. Select 'Ethernet'.



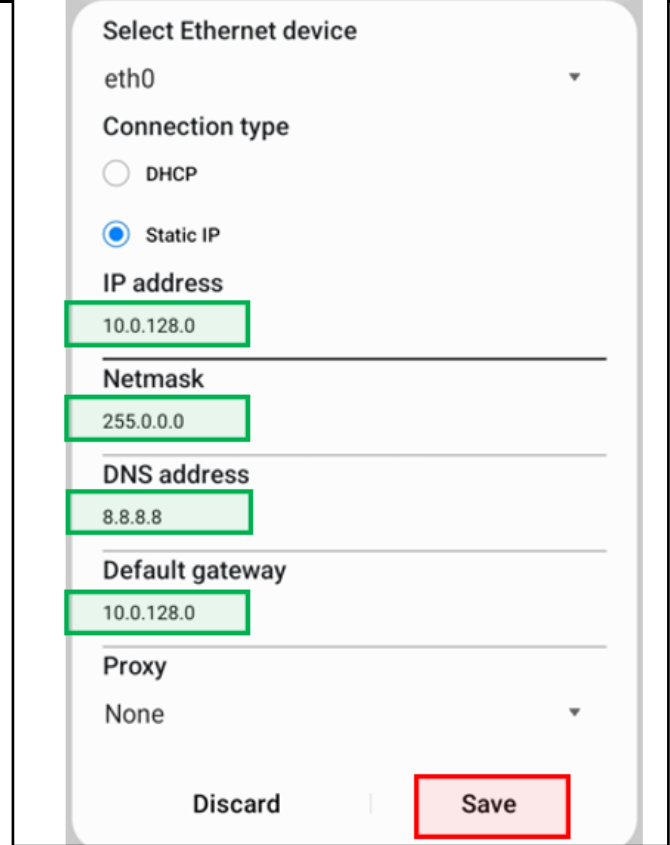
5. Select 'Configure Ethernet device'.

6. Select 'Static IP'.



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- 7a. Input 10.0.128.0 under 'IP address'.
- 7b. Input 255.0.0.0 under 'Netmask'.
- 7c. Input 8.8.8.8 under 'DNS address'.
- 7d. Input 10.0.128.0 under 'Default gateway'.
- 8. Select 'Save'.



- 9. Proceed to 'ECU Upgrade Procedure'.



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### ECU Upgrade Procedure:

To correct this condition, the ECU should be reprogrammed using the KDS download, as described in TSB [SST081](#).

Upgrade Event Name
718.MV1 PSM Operation Logic Improvement

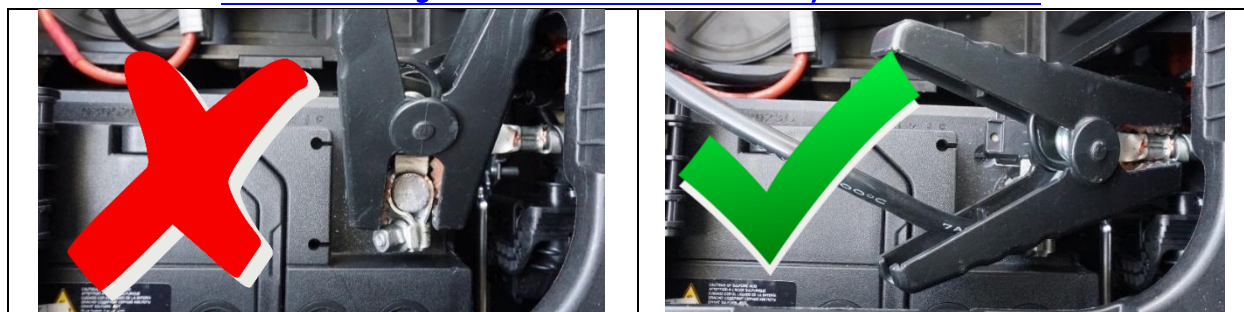
#### NOTICE

- 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.

#### 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.

Connect the negative (-) terminal to the battery as shown below.



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**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.

**ROM ID INFORMATION TABLE:**

Upgrade Event #718

Event No.	System	ECU P/No.	ROM ID	
			Previous	New
718	PSM	95450 DO000	1.0 1.1 1.2 1.3 1.4 1.5	1.6

*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.*



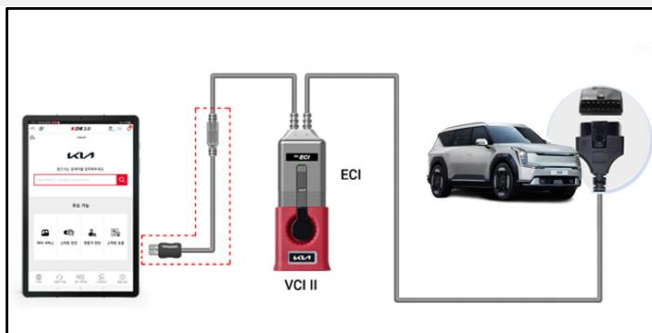
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Refer to [TSB SST081](#) for instructions to upgrade the 'PSM' system:

Ensure the ECI cable is configured by referring to the '[KDS Configuration for ECI Cable Usage](#)'.

- 1a. Connect the ECI DLC connector to the OBD-II connector, located under the driver's side of the instrument panel.
- 1b. Connect the ECI USB C connector to the KDS tablet.
- 1c. Connect the VCI II to the ECI OBD-II connector



2. **UPGRADE EVENT:**

718.MV1 PSM operation logic improvement



**Manual Upgrade Procedure:**

**NOTICE**

The manual upgrade should ONLY be performed if the automatic upgrade fails.

**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 manual upgrade.**

See table below for 'Manual Mode' passwords.

Manual Mode ECU Upgrade Passwords

Menu	Password
MV1 PSM : 95450-DO000	9550





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**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
EV9 (MV)	September 24, 2023 to November 6, 2023

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
KDS	N/A		Kia Diagnostic System
ECI Adapter	GIT1XDDMN057 or GIT0XDDMN052		Located in Toolbox #1 Drawer #8

**WARRANTY INFORMATION:**

**N Code: N99 C Code: C99**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	95450 D0000	0	(SA557) Power Seat Module Operation Logic Improvement	230141R0	0.4 M/H	N/A	0

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA557** when accessing the KDealer+ system.

