



GROUP	MODEL
ELE	2025MY K5 (DL3 PE) LXS w/ ISG
NUMBER	DATE
353	August 2024

## TECHNICAL SERVICE BULLETIN

### SERVICE ACTION: LDC GROUND WIRE INSTALLATION (SA583)

This bulletin provides the procedure to install a new, shorter and thicker gauge ground wire on the Low Voltage DC-DC Converter (LDC) harness on certain 2025MY K5 (DL3) LXS w/ Idle Stop Go (ISG) vehicles produced from February 21, 2024 through May 27, 2024. The affected vehicles may experience the AVN head unit blinking and/or rebooting when the engine restarts from a stop with ISG enabled caused by a voltage drop due to an increased length of the ground wire. Follow the procedure outlined in this publication to install a new, shorter and thicker gauge ground wire on the Low Voltage DC-DC Converter (LDC) harness on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



#### NOTICE

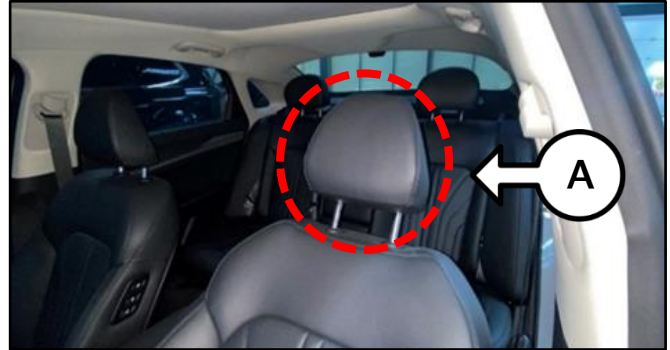
**A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.**

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 SA583.

**Repair Procedure:**

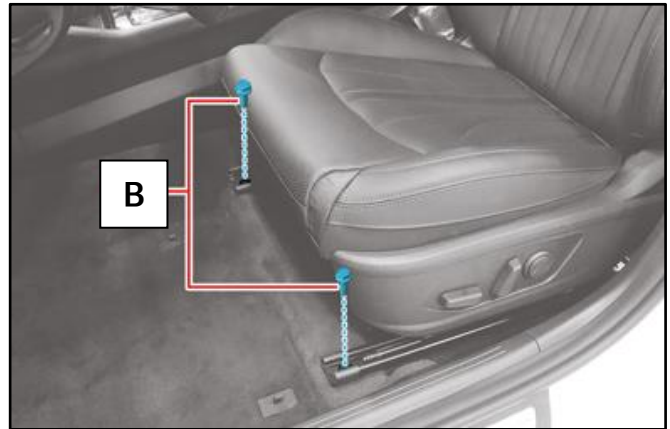
1. Disconnect the negative (-) battery terminal.
2. Remove the left front head rest (A).



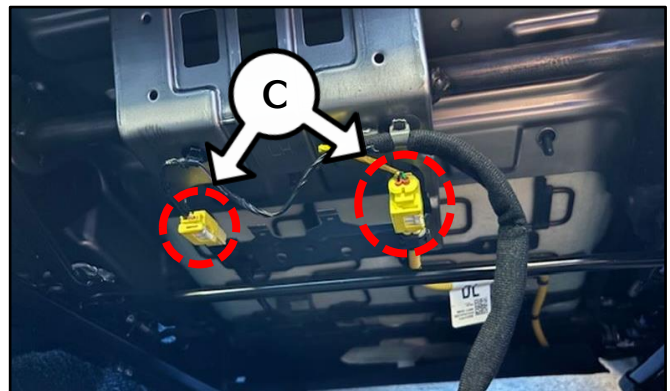
3. Loosen the four (4) left front seat retaining bolts (B).



**Tightening torque for Bolts:**  
36.2 - 47.0 lb.ft (49.0 - 63.7 N.m)

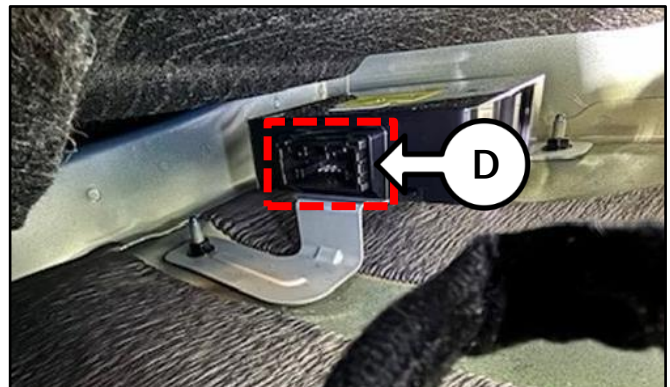


4. Lift the seat and disconnect the two (2) front seat connectors (C).
5. Remove the left front seat assembly.



6. Disconnect the LDC connector (D).

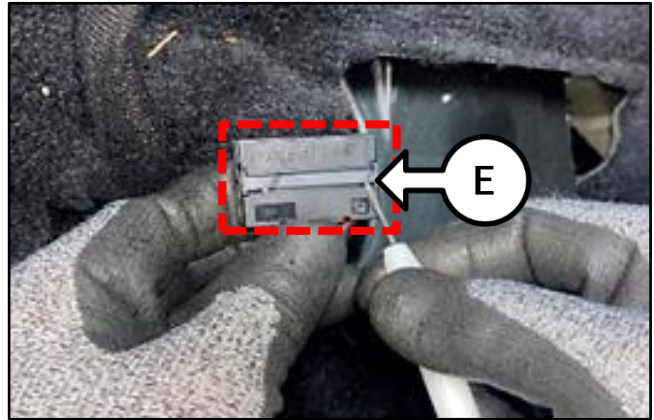
**Note: Access the LDC through the access point under the carpet.**



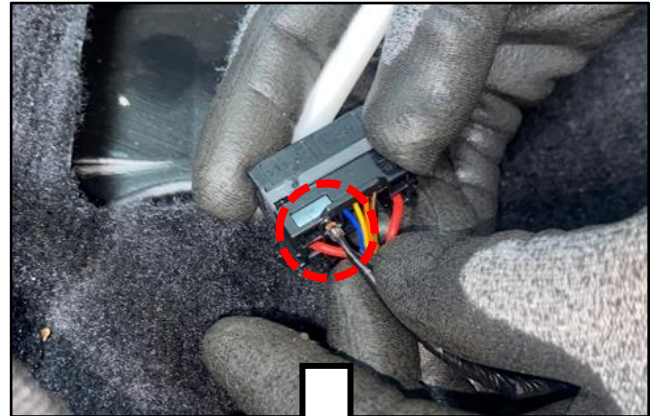
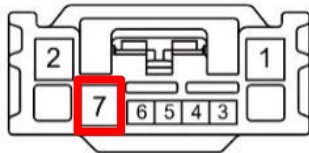
SUBJECT:

## LDC GROUND WIRE INSTALLATION (SA583)

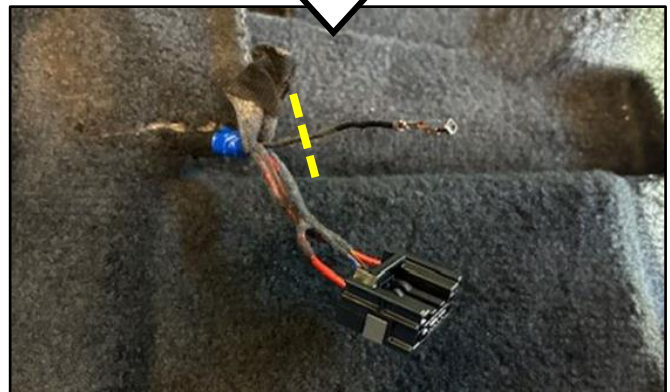
7. Using a pick tool, unlock the LDC connector lock (E).



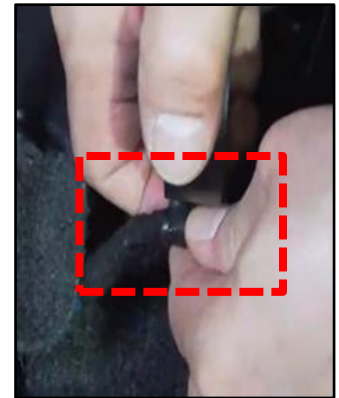
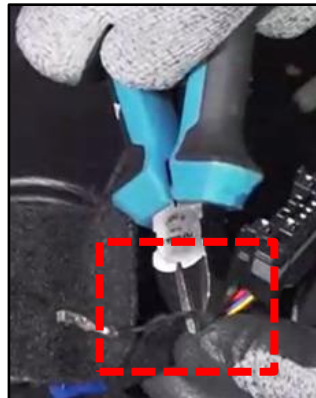
8. Using a pin removal tool, detach the **black wire** (Pin 7) from the LDC connector as shown.



9. Cut the end of the removed **black wire** (Pin 7) where shown.



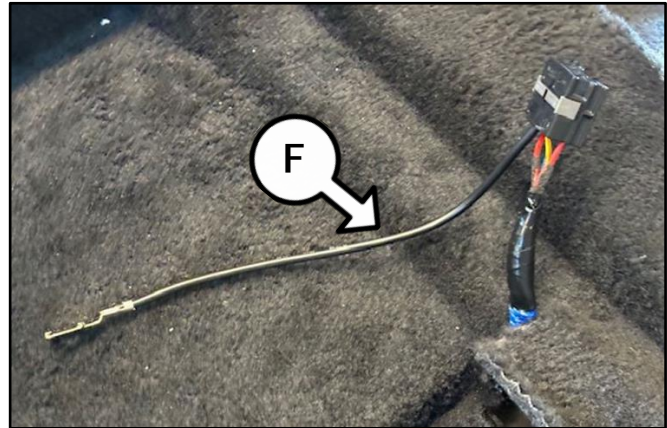
10. Using electrical tape, tape the wire to the harness, as shown.



SUBJECT: **LDC GROUND WIRE INSTALLATION (SA583)**

- 9. Insert the new ground wire into the LDC connector (Pin 7) and verify that it is locked in by performing a light pull/push test.

**Ground Wire: PN 915X0 L2000QQK.**

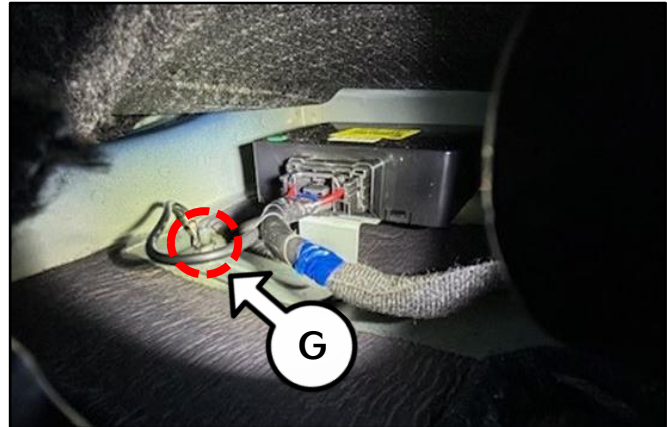


- 10a. Loosen the existing LDC retaining nut (G) and discard the nut (G).

- 10b. Insert the eyelid of the new ground wire over the threads and secure the wire by installing a 'new' nut as shown.

**Nut: PN 95917 3S000QQK.**

**Note: Do not reuse the old/removed nut (G).**



- 11. Reinstall all removed parts in reverse order of removal.

- 12. Confirm normal vehicle operation.



SUBJECT:



**LDC GROUND WIRE INSTALLATION (SA583)****AFFECTED VEHICLE RANGE:**

Model	Production Date Range
K5 (DL3 PE)	February 21, 2024 to May 27, 2024

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
Wire Cutter	N/A	N/A	Locally Sourced
Pin Removal Tool	N/A	N/A	Locally Sourced

**REQUIRED PART:**

Part Name	Part Number	Figure	Qty.
Ground Wire	915X0 L2000QQK		1
Nut	95917 3S000QQK		1

**Note:** The replacement part numbers will require a VIN entry for parts ordering. **DO NOT** order these parts for stocking purposes, related to this Campaign. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing.

**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	91571 L2490	0	(SA583) LDC Ground Wire Installation	240096R0	0.6 M/H	915X0 L2000QQK	1
						95917 3S000QQK	1

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA583** when accessing the KDealer+ system.

