



GROUP	MODEL
<b>Voluntary Service Campaign</b>	<b>2024MY Telluride (ON)</b>
NUMBER	DATE
<b>SC344</b>	<b>July 2025</b>

## VOLUNTARY SERVICE CAMPAIGN

### SMART CRUISE CONTROL SOFTWARE LOGIC IMPROVEMENT (SC344)

SUBJECT:

This bulletin provides information to upgrade the Smart Cruise Control (SCC) system software on 2024MY Telluride (ON) vehicles produced from May 16, 2023 through September 10, 2024. Due to radar signal interference in certain roadway conditions, the subject vehicles may unnecessarily and momentarily reduce speed when SCC is engaged, accompanied by the illumination of a "Collision Warning" message in the instrument cluster, a warning sound, as well as the activation of the vehicle's brake lights. After the warnings cease, the vehicle will accelerate normally to the SCC set speed. Dealers will upgrade the software logic of the front radar (FR\_RADAR) system to prevent unnecessary reduction in vehicle speed. Refer to [SST081](#) for software upgrade instructions using Kia Diagnostic System (KDS) tablet and VCI-II and confirm the Upgrade Event Number/Name, ROM ID Information, and Manual Mode passwords (if applicable) on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



#### NOTICE

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.

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

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

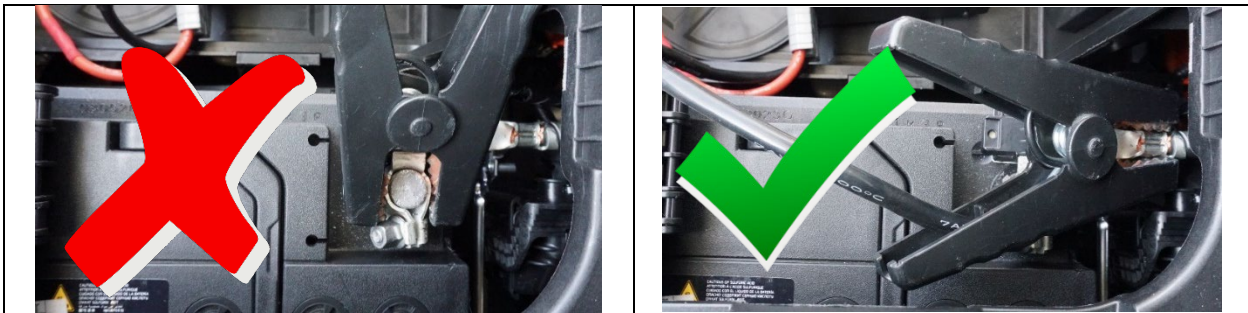
Upgrade Event Name

861.ON PE FR\_RDR Upgrade for SCC 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:


**SMART CRUISE CONTROL SW LOGIC IMPROVEMENT (SC344)**

**ROM ID Information Table:**

**Upgrade Event #861**

**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.

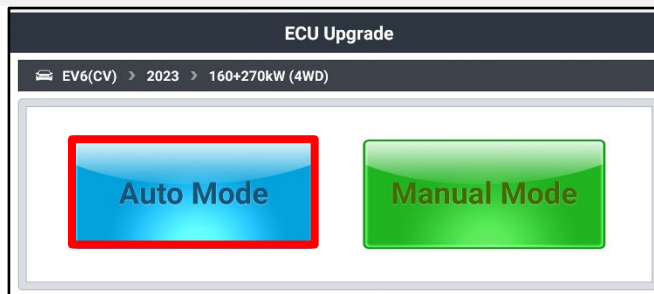
Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
ON	FR_RADAR	Yes	99110 S9160	1.00	1.01

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.

**Software Information:**

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

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



**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.

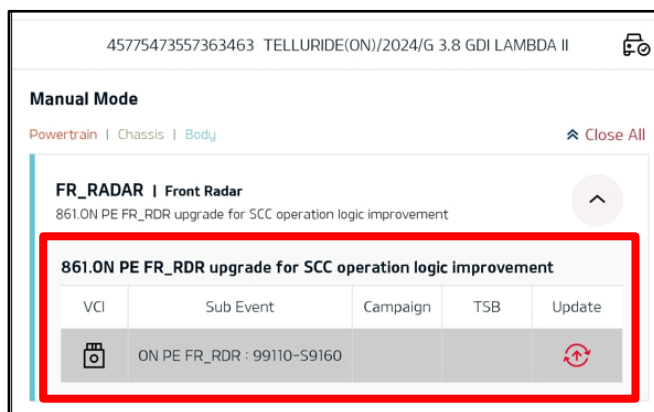
Menu	Password
ON PE FR_RDR: 99110-S9160	0619

**UPGRADE EVENT:**

Select the applicable **'FR\_RADAR'** system module and the Event Group.

- 861.ON PE FR\_RDR Upgrade for SCC Operation Logic Improvement

Verify the affected vehicle Calibration Identification of the applicable ECU ROM ID and reference the Information Table on page 3 as necessary.




**SUBJECT: SMART CRUISE CONTROL SW LOGIC IMPROVEMENT (SC344)**

**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Telluride (ON)	May 16, 2023 to September 10, 2024

**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Comments
Kia Diagnostic System (KDS)	N/A		KDS + VCI

**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.
R	99110 S9160	0	(SC344) SCC Software Logic Improvement	250A38RO	0.3 M/H	N/A	0

Refer to **Warranty Bulletin 2025-19** for claim submission procedures. For Substitute Transportation policy, please refer to **Service Policy and Procedures Manual (SPPM) 6.11 "Kia Substitute Transportation"**.

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC344 when accessing the KDealer+ system.

