



GROUP	MODEL
ELE	2023-2024MY Telluride (ON)
NUMBER	DATE
328	March 2024

TECHNICAL SERVICE BULLETIN

SUBJECT:

CLUSTER SOFTWARE LOGIC IMPROVEMENT FOR LOWER THAN ACTUAL FUEL LEVEL INDICATION

This bulletin provides information to upgrade the software on the instrument cluster 'CLU' on some 2023-2024MY Telluride (ON) vehicles equipped with a 12.3" in. TFT display, produced from September 15, 2022 through July 18, 2023, which may intermittently show a lower fuel level than what is actually remaining in the vehicle upon starting the engine after refueling. Follow the procedure outlined in this publication to upgrade the software logic of the 'CLU' system using the KDS ECU Upgrade function as described in this bulletin on the applicable vehicle. 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 3 of this bulletin.



NOTICE

A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

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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

715.ON PE Cluster Display Logic Improvement (12.3inch TFT)

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.

NOTICE

If a 'Communication Fail' error notice appears or the upgrade cannot be performed, DO NOT disconnect the KDS/VCI-II. Contact GIT America Help Desk at (888) 542-4371 or Techline.

NOTICE


Before attempting an ECU upgrade on any Kia model, make sure to first determine whether the applicable model is equipped with an immobilizer  (IMMO) 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.

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ROM ID INFORMATION TABLE:

Upgrade Event #715

Model	EM	IMMO 	ECU P/No.	ROM ID	
				Previous	New
ON	CLU	Yes	94061 S9000	1.01	1.02
			94061 S9001		

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.

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

UPGRADE EVENT:

715.ON PE CLUSTER DISPLAY LOGIC IMPROVEMENT (12.3INCH TFT)

NOTICE

Prior to performing the ECU upgrade, be sure to check that the KDS is fully charged.



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 and refer to TSB [SST081](#) for instructions.

Manual Mode ECU Upgrade Passwords

Menu	Password
ON PE CLU (12.3inch TFT): 94061-S9000/01	1604




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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Telluride (ON)	September 15, 2022 to July 18, 2023

REQUIRED TOOL:

Tool Name	Figure	Comments
KDS		Kia Diagnostic System

WARRANTY INFORMATION:

N Code: I11 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	94061 S9000	0	Cluster Upgrade for Fuel Gauge Display	94061F00	0.3 M/H	N/A	0

