



GROUP	MODEL
CHA	2020-2022MY Telluride (ON) AWD
NUMBER	DATE
128	April 2025

TECHNICAL SERVICE BULLETIN

SUBJECT: **4WD COUPLING NOISE/VIBRATION LOGIC IMPROVEMENT**

This bulletin provides information to upgrade the 4-Wheel Drive “4WD” system software on certain 2020-2022MY Telluride (ON) vehicles produced from January 9, 2019, through September 1, 2022. The affected vehicles may exhibit a noise, vibration, shudder, and/or chattering from the 4WD coupling assembly while turning at low speeds (10-15 mph) due to continuous vehicle operation in harsh conditions (e.g., very high or low ambient temperatures). Follow the procedure outlined in this publication to update the ‘4WD’ system software on the applicable vehicle AFTER the issue has been diagnosed to be located at the 4WD coupling assembly. 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.



ⓘ IMPORTANT

DO NOT replace the AWD Coupler or related components for this concern. Any associated claims for AWD Coupler replacement or related components are subject to Warranty review and chargeback.

📄 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.

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.

Refer to [TSB SST081](#) for instructions to upgrade the '4WD' system:

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

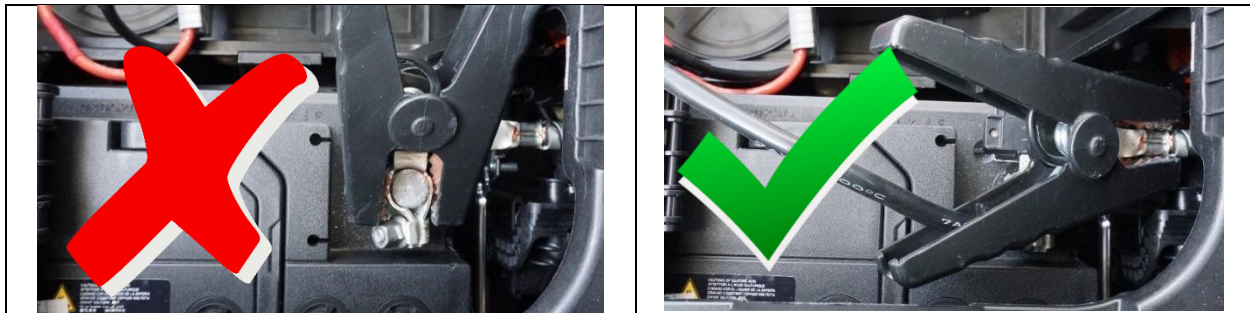
Upgrade Event Name

811.ON 4WD Operation Logic Improvement in Low Speed


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:

4WD COUPLING NOISE/VIBRATION LOGIC IMPROVEMENT**ROM ID Information Table:****Upgrade Event #811****ⓘ 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.

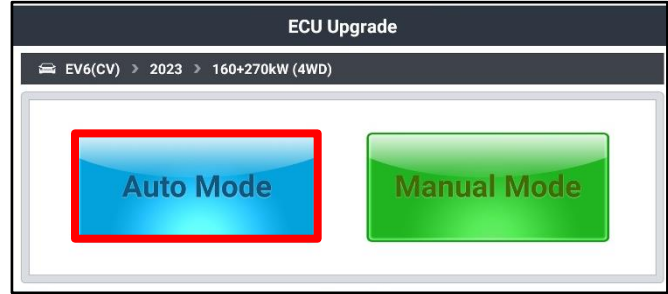
Model	System	IMMO 	ECU P/No.	ROM ID	
				Previous	New
ON	4WD	Yes	95447 4G300	KMON0000CPL00305	KMON0000CPL041F0

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.

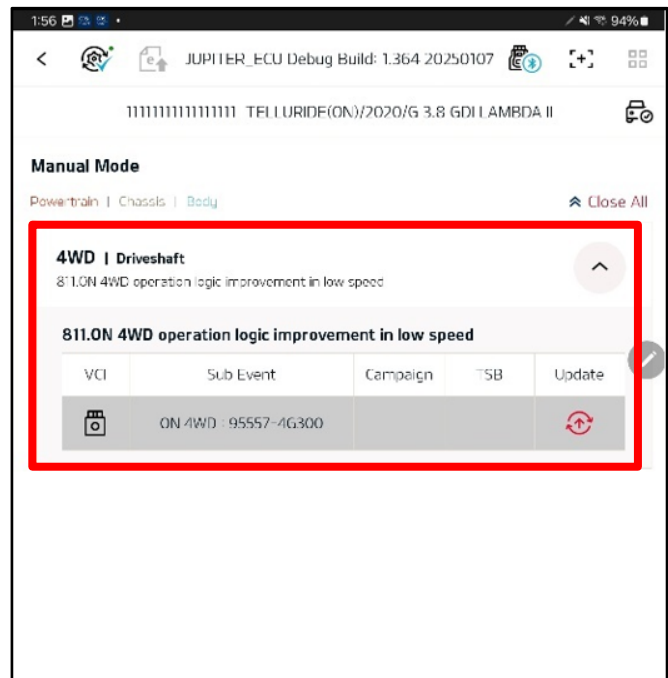
Menu	Password
ON 4WD : 95447-4G300	4300

UPGRADE EVENT:

Select the applicable **'4WD'** system module and the Event Group.

- **811.ON 4WD Operation Logic Improvement in Low Speed**

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




SUBJECT:

4WD COUPLING NOISE/VIBRATION LOGIC IMPROVEMENT**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Telluride (ON)	January 09, 2019 to September 01, 2022

REQUIRED TOOL:

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

WARRANTY INFORMATION:**N Code: I14 C Code: ZZ3**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	95447 4G300	0	4WD Coupling Noise/Vibration Logic Improvement	95447F02	0.3 M/H	N/A	0

