	GROUP	MODEL
	Voluntary Service Campaign	2020-2024MY Telluride (ON)
	NUMBER	DATE
	SC301	May 2024

VOLUNTARY SERVICE CAMPAIGN

SUBJECT:

WSS SOFTWARE UPGRADE (SC301)

This bulletin provides information to update the Wheel Speed Sensor (WSS) software on certain 2020-2024MY Telluride (ON) vehicles manufactured from January 9, 2019 through March 10, 2024. The wheel speed sensor(s) (WSS) in the subject vehicles may be contaminated with moisture and cause corrosion, which may result in WSS signal fluctuation. If this condition occurs, in rare cases, WSS signal fluctuation may result in intermittent and momentary Anti-lock Braking System (ABS) activation at low speeds while braking. Customers may also experience an illumination of the ABS Warning light. The ability to stop the vehicle is unaffected by this issue.

Before conducting the procedure, dealers are to check if the vehicle is also affected by SC303 campaign and if affected, confirm that the 'ABS/ESC' system software upgrade has been completed under SC303.

Dealers should refer to SC301Y (Subsequent Repair) in case there is an ABS warning lamp ON and/or a rear Wheel Speed Sensor (WSS) DTC is stored after the software update is completed.
SC301Y TSB to be available the week of May 23, 2024.



NOTICE

There is no charge to the vehicle owner for this repair.

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.

ECU Upgrade Procedure:

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

Upgrade Event Name

730.ON ON PE ABS/ESC Wheel Speed Sensor and Electronic Parking Brake Logic Improvement

2020-2024MY VINs - If the affected VIN is also included in SC303, complete SC303 first (1st), and then, claim this repair under SC301 (Op Code 240A19R0).

Note: Some affected 2024MY VINs are not included in SC303. If a 2024MY VIN is not included in SC303, complete/claim this repair under SC301 (Op Code 240A19R1).

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.

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.

SUBJECT:

WSS SOFTWARE UPGRADE (SC301)

ROM ID INFORMATION TABLE:

Upgrade Event #730 (ON)

Model	SYSTEM	IMMO		ECU P/No.	ROM ID	
					Previous	New
Telluride (ON)	MEB5.0 (ESC)	Yes		58910 S9100	1.00 1.01 1.02	1.03
	MEB5.0 (ESCi)			58910 S9200		
	MEB5.0 (ESCi+)			58910 S9300		
	MEB5.0 (ESCi+)			58910 S9340		
	MEB5.0 (ESCi+)			58910 S9310		
	MEB5.0 (ESCi+)			58910 S9350		
	MEB5.0 (ESCi+)			58910 S9320		
	MEB5.0 (ESCi+)			58910 S9360		
	MEB5.0 (ESCi)			58910 S9600		
	MEB5.0 (ESCi+)			58910 S9700		

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.

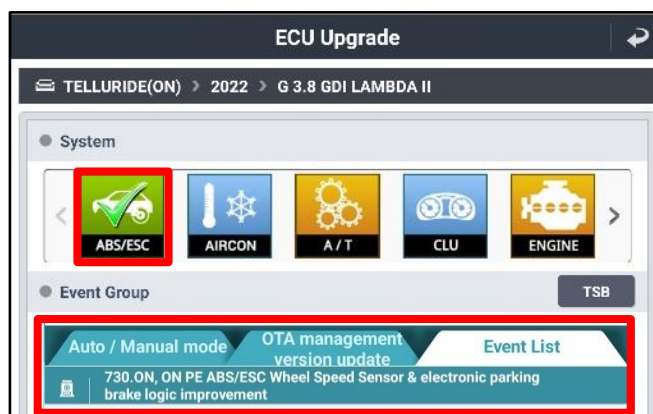
Refer to [TSB SST081](#) for instructions to upgrade the 'ABS/ESC' system:

UPGRADE EVENT:

#730.ON ON PE ABS/ESC Wheel Speed Sensor and Electronic Parking Brake Logic Improvement

NOTICE

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



SUBJECT: **WSS SOFTWARE UPGRADE (SC301)**

Manual Mode ECU Upgrade Passwords

Menu	Password
ON ABS/ESC (ESC): 58910-S9100	0019
ON ABS/ESC (ESCi): 58910-S9200	0029
ON ABS/ESC (ESCi+) : 58910-S9300	0039
ON ABS/ESC (ESCi+): 58910-S9340	0439
ON ABS/ESC (ESCi+): 58910-S9310	0139
ON ABS/ESC (ESCi+): 58910-S9350	9350
ON ABS/ESC (ESCi+): 58910-S9320	9320
ON ABS/ESC (ESCi+): 58910-S9360	9360
ON PE ABS/ESC (ESCi): 58910-S9600	9600
ON PE ABS/ESC (ESCi+): 58910-S9700	9700

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Telluride (ON)	January 9, 2019 to March 10, 2024

REQUIRED TOOL:

Tool Name	Figure	Comments
KDS		Kia Diagnostic System

WARRANTY INFORMATION:

N Code: N99 C Code: C99

MY	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
2020-2024	R	49501 S9480	0	(SC301) Software Upgrade (SC303 Completed)	240A19R0	0.1 M/H	N/A	0
2024				(SC301) ABS/ESC Software Upgrade for WSS	240A19R1	0.3 M/H		

Note: Refer to [Warranty Bulletin 2024-35](#) for claim submission procedures.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC301** when accessing the KDealer+ system.

