



GROUP	MODEL
Safety Recall Campaign	2020-2024MY Telluride (ON)
NUMBER	DATE
SC303	May 2024

## SAFETY RECALL CAMPAIGN

SUBJECT:

### EPB SOFTWARE UPGRADE (SC303)

This bulletin provides information to update the Electronic Parking Brake (EPB) software on certain 2020-2024MY Telluride (ON) vehicles manufactured from January 9, 2019 through October 19, 2023. The intermediate shaft and right front driveshaft may not be fully engaged due to suspected improper assembly by the suppliers. Over time, partial engagement can cause damage to the intermediate shaft splines. Damaged shaft splines may result in unintended vehicle movement while in Park if the parking brake is not engaged. Dealers are to install the updated Electronic Parking Brake (EPB) software to automatically engage the EPB to prevent unintended vehicle movement when the gear shifter is in the "P" (Park) position and the engine is turned off, or when the vehicle is stopped in any gear shifter position and the driver's door opens. Follow the procedure outlined in this publication to apply the improved logic to the 'ABS/ESC' system using the KDS ECU Upgrade function as described in this bulletin. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

Dealers should refer to SC303Z (Subsequent Repair) in case there is abnormal driveline noise on the right side.  
SC303Z TSB to be available the week of May 20, 2024.



#### NOTICE

**There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.**

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

**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 #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.*

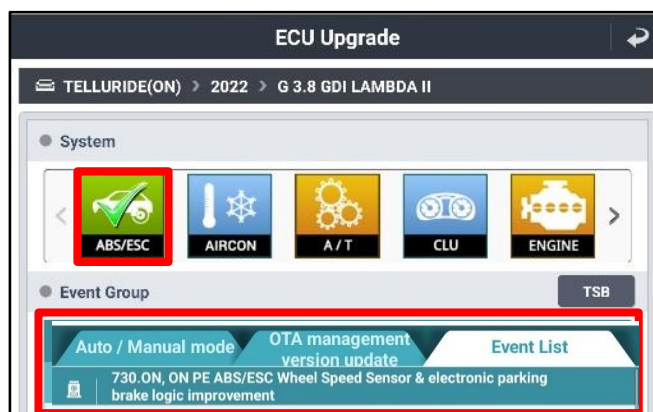
Refer to [TSB SST081](#) for instructions to upgrade the 'ABS/ESC' system:

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.



Print this page and provide a copy to the customer:


PSG5-EU46D(L)

# Telluride

Owner's manual leaflet

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This leaflet contains updated and important information concerning EPB features of your vehicle. Please keep this leaflet with the Owner's manual.



Movement that inspires

Driving your vehicle Electronic Parking Brake (EPB)

### Driving your vehicle Electronic Parking Brake (EPB) Applying the parking brake



**To apply the EPB (electronic parking brake) manually:**

1. Stop the vehicle.
2. Depress the brake pedal and pull up the EPB switch. Make sure the warning light comes on.

**EPB may be automatically applied when:**

- Requested by other systems.
- If the driver applies the EPB while the engine is ON then turn the engine off, the EPB may be applied again automatically.
- If the driver's door is opened while driving at approximately 3 mph or under (5 km/h), the EPB may be automatically engaged.
- If the vehicle is stopped with both the engine turned off and the auto hold function turned off, the EPB may still be automatically engaged.

**A: Parking brake automatically engaged**

- If the driver turns the engine off by mistake while Auto Hold is operating, EPB will be automatically applied. But if the driver turns the engine off and pushes the EPB switch in 1 second, the EPB does not apply. This method can be used for neutral parking in vehicles with N-speed systems.

**Emergency Braking**

- If there is a problem with the brake pedal while driving, emergency braking is possible by pulling up and holding the EPB switch. Braking is possible only while you are holding the EPB switch. If you hand off the EPB switch, the braking force is lost. If you hold the EPB switch and the vehicle stops, the EPB is applied.
- During emergency braking by the EPB, the parking brake warning light will appear and the warning sounds will occur to indicate that the system is operating.
- The braking distance may be longer than under normal braking conditions.
- EPB stands for Electronic Parking Brake.

Driving your vehicle Electronic Parking Brake (EPB)

**WARNING**

Do not operate the parking brake while the vehicle is moving except in an emergency situation. It could damage the vehicle system and endanger driving safety.

**To release EPB automatically (automatic transmission):**


1. Close the driver's door, engine hood and liftgate.
2. Fasten the driver's seat belt.
3. Start the engine.
4. If the shift lever is in P (Park), depress the brake pedal and shift out of P (Park) to R (Reverse) or D (Drive), the EPB is released automatically. Make sure the brake warning light goes off.
5. If the shift lever is in N (Neutral), depress the brake pedal and shift out of N (Neutral) to R (Reverse)\* or D (Drive), the EPB is released automatically. Make sure the brake warning light goes off.

- If you try to drive off depressing the accelerator pedal with the EPB applied, but doesn't release automatically, a warning will sound once and a message will appear.

**A: To release EPB, fasten seatbelt and close door, hood and liftgate**

- If the driver's seat belt is not fastened, driver's door is opened, the engine hood is opened in D or the liftgate is opened in R, a warning will sound once and a message will appear.
- If there is a problem with the vehicle, a warning may sound once and a message may appear. If the above situation occurs, depress the brake pedal and release EPB by pressing the EPB switch.

**Releasing the parking brake**



**To release the EPB manually:**  
Press the EPB switch in the following condition.

- Have the ENGINE START/STOP button in the ON position.
- Depress the brake pedal.
- Make sure the brake warning light goes off.


Driving your vehicle Electronic Parking Brake (EPB)

**WARNING**

Never allow anyone who is unfamiliar with the vehicle to touch the parking brake. If the parking brake is released unintentionally, serious injury may occur.

Do not place any objects around the EPB switch. They could release the EPB switch.

**Malfunction of EPB**



If the EPB malfunction indicator remains on, it indicates that the EPB may have malfunctioned. If this occurs, have the system checked by an authorized Kia dealer.

The EPB malfunction indicator may appear when the ESC indicator comes on to indicate that the ESC is not working properly, but it does not indicate a malfunction of the EPB.

**CAUTION**

- The EPB warning light may appear if the EPB switch operates abnormally. Shut the engine off and turn it on again after a few minutes. The warning light will go off and the EPB switch will operate normally. However, if the EPB warning light is still on, have the system checked by an authorized Kia dealer.
- If the parking brake warning light does not appear or blinks even though the EPB switch was pulled up, the EPB is not applied. If the parking brake warning light blinks when the EPB warning light is on, press the switch, then pull it up. Once more press it back to its original position and pull it back up. If the EPB warning does not go off, have the system checked by an authorized Kia dealer.

**CAUTION**

- To prevent unintentional movement when stopped and leaving the vehicle, do not use the shift lever in place of the parking brake. Set the parking brake and make sure the shift lever is securely positioned in P (Park). Use wheel chocks if necessary.
- In winter or cold conditions, the EPB may freeze. Park the vehicle with the shift lever in P on the even and safe place without applying the EPB. And use wheel chocks.
- Do not drive your vehicle with the EPB applied. It may cause excessive wear of brake pad and brake rotor.
- A click sound may be heard while operating or releasing the EPB, but these conditions are normal and indicate that the EPB is functioning properly.
- When leaving your keys with a parking lot attendant or valet, make sure to inform him/her how to operate the EPB.
- When the battery is drained, the EPB does not apply or release. In this case, jump start your vehicle.

SUBJECT:

**EPB SOFTWARE UPGRADE (SC303)**

## 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 October 19, 2023

**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.
2020-2022	R	49501 S9480	0	(SC303) ABS/ESC Software Upgrade for EPB	241A09R0	0.4 M/H	N/A	0
2023-2024					241A09R1	0.3 M/H		

**Note:** Refer to Warranty Bulletin 2024-34 for claim submission procedures.**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC303** when accessing the KDealer+ system.

