



GROUP

MODEL

TRA

2020MY
Telluride (ON)

NUMBER

DATE

089 (Rev 1, 04/10/2025)

April 2020

TECHNICAL SERVICE BULLETIN

SUBJECT:

TCM MIL ON DTC P074100 LOGIC IMPROVEMENT

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides the procedure to improve the logic of the Transmission Control Module (TCM) on some 2020MY Telluride (ON) vehicles, produced from February 6, 2019, through December 9, 2019, which may experience lack of engagement of the torque converter damper clutch with illumination of the MIL and DTC P074100. When this occurs, the vehicle retains motive power, but transmission gear change smoothness can be affected. To correct this concern, apply the improved logic to the Automatic Transmission (A/T) system using the KDS ECU Upgrade function as described in this bulletin. 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.

DTC Description:

P074100 - Torque Converter Clutch Circuit Performance or Stuck Off



NOTICE

A Vehicle Diagnosis Number (VDN) must be created with DTC P074100, prior to performing the TCM logic improvement. If a VDN is not created, Warranty claim submission issues WILL occur.

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 'A/T' system:

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

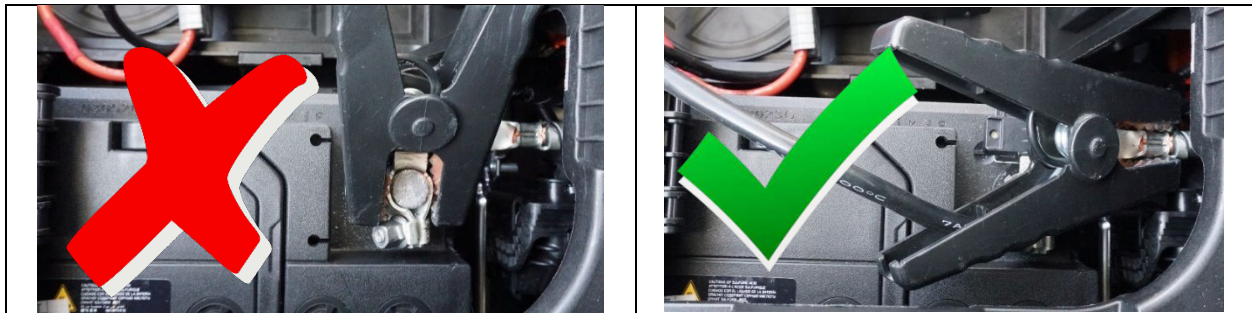
Upgrade Event Name

484. ON LAMBDA 3.8GDI 8AT TCU MIL ON DTC (P0741) 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.

ROM ID Information Table:

Upgrade Event #484 (ON)

❗ 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.

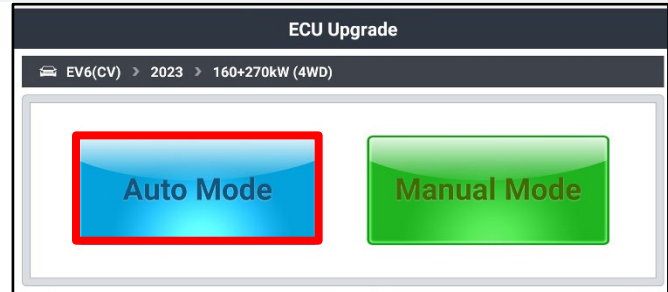
Model	EM	TM	Type	IMMO 	ECU P/No.	ROM ID	
						Previous	New
ON	Lambda 3.8 GDI	8A/T	FWD	Yes	95441 4GBA0	TON2G38NB0 TON2G38NB1	TON2G38NB2
			AWD		95441 4GBB0	TON4G38NB0 TON4G38NB1	TON4G38NB2

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.

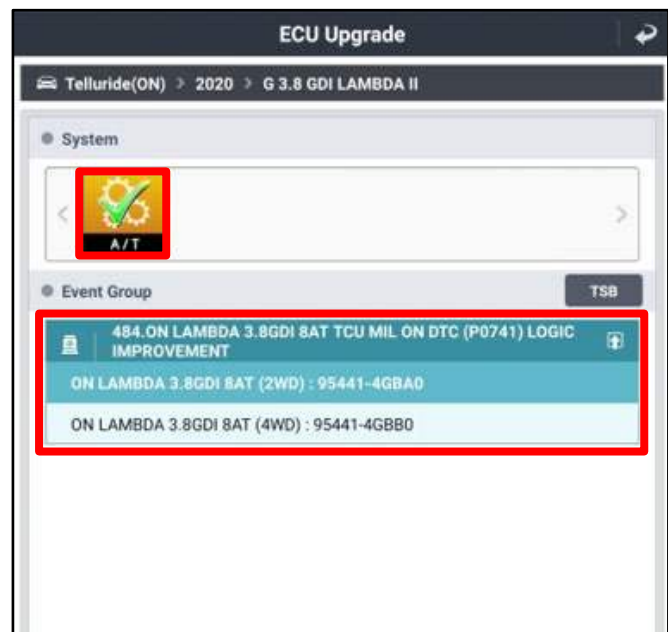
Menu	Password
ON LAMBDA 3.8GDI 8AT (2WD) : 95441-4GBA0	4140
ON LAMBDA 3.8GDI 8AT (4WD) : 95441-4GBB0	4141

UPGRADE EVENT:

Select the applicable **'A/T'** system module and the Event Group.

- 484. ON LAMBDA 3.8GDI 8AT TCU MIL ON DTC (P0741) LOGIC IMPROVEMENT**

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



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TCM MIL ON DTC P074100 LOGIC IMPROVEMENT

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Telluride (ON)	February 6, 2019 to December 9, 2019

REQUIRED TOOL:

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

WARRANTY INFORMATION:

N Code: I3A C Code: ZZ3

Claim Type	Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	FWD	95440 4GBA0	0	TCM Logic Improvement	95441F11	0.3 M/H	N/A	0
	AWD	95440 4GBB0						

