



GROUP	MODEL
TRA	2027MY Telluride Hybrid (LQ2 HEV)
NUMBER	DATE
116	June 2026

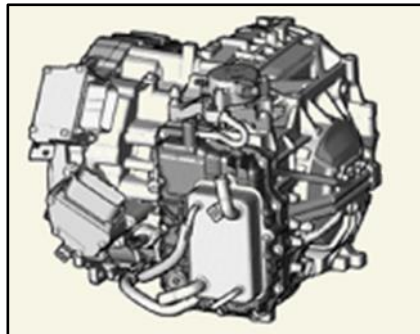
## TECHNICAL SERVICE BULLETIN

### SUBJECT: SERVICE ACTION: TRANSAXLE ASSEMBLY REPLACEMENT (SA648)

This bulletin provides information to replace the transaxle assembly on certain 2027MY Telluride Hybrid (LQ2 HEV) vehicles produced from February 02, 2026, through March 20, 2026. The affected vehicles may exhibit a rough 3rd → 4th gear upshift and/or 5th → 4th gear downshift accompanied by an illuminated malfunction indicator lamp with DTC P073500 stored. Follow the procedure outlined in this publication to replace the transaxle assembly on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

#### DTC Description:

**P073500 - Gear 5 Incorrect Ratio - No Sub Type Information**



#### NOTICE

**A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.**

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.

This issue number is SA648.

**Inspection Procedure:**

1. Perform the '**High Voltage Shut-Off Procedure**' (A) by referring to "Body Electrical System → High Voltage Shut-Off Procedures → High Voltage Shut-Off Procedures (**Steps 1-4 Only**)" in the applicable Shop Manual on KGIS.

**NOTICE**

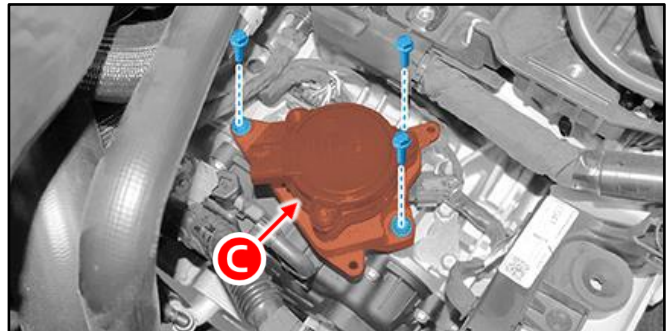
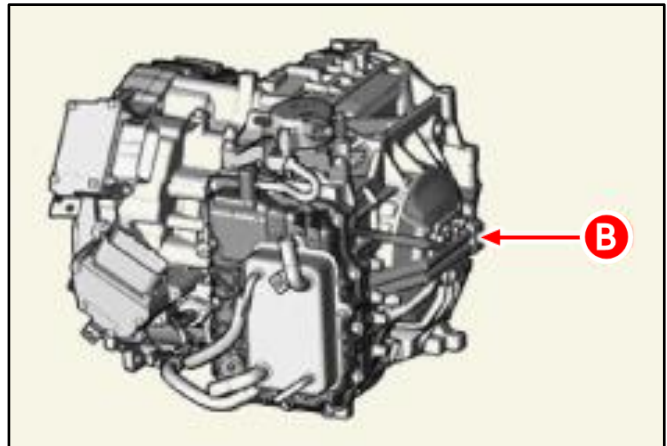
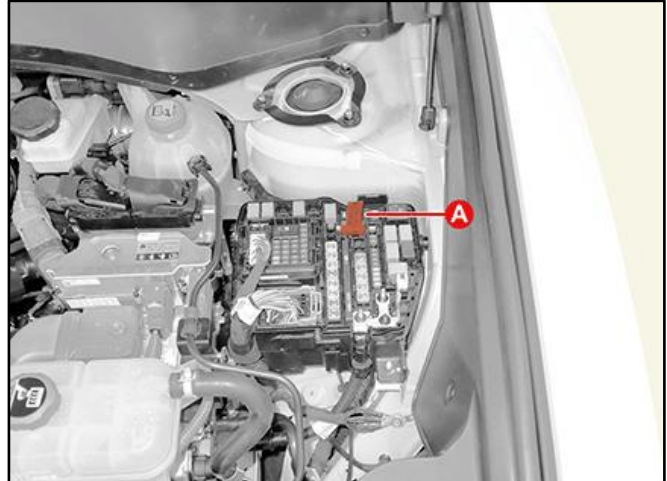
It takes at least five (5) minutes for capacitor of the high voltage battery system to discharge completely.

**WARNING**

Failure to follow the High Voltage Shut-off Procedure may result in serious electrical injuries.

2. **Replace** the automatic transaxle assembly (B) by referring to "Automatic Transaxle System → Automatic Transaxle → Automatic Transaxle → Removal → Installation" in the applicable Shop Manual on KGIS.
3. Reinstall all removed parts in reverse order of removal.

**Note:** Transfer the electronic shift actuator (C) to the new transaxle assembly (B).

**BEST PRACTICES**

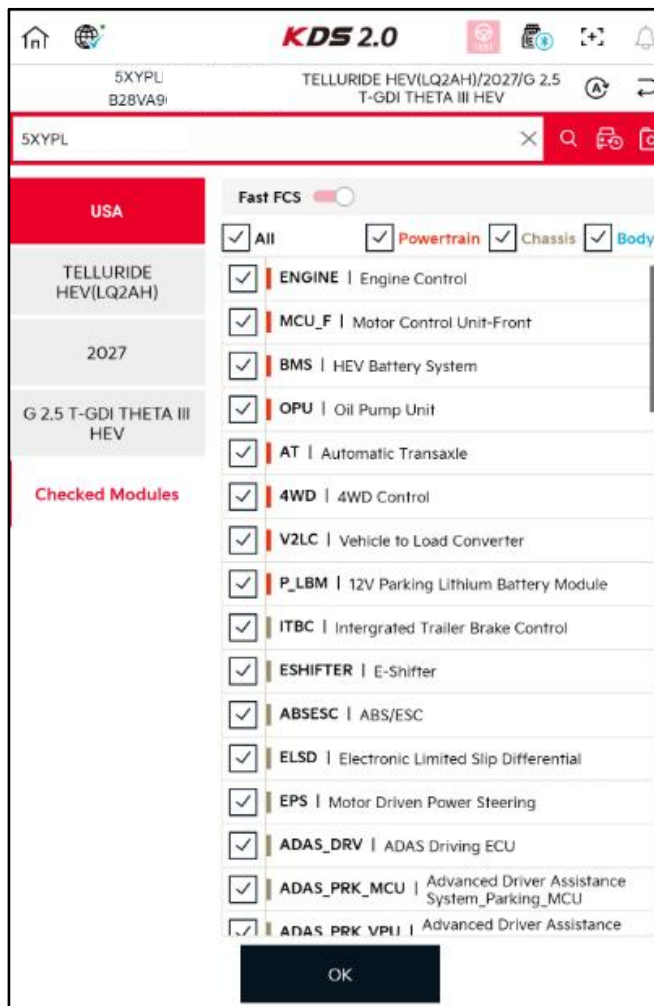
New automatic transaxles are already filled with the specific amount of ATF, BUT it is still recommended to check the fluid level. If the transaxle fluid level is found to be low, the dealer must manually enter the appropriate fluid.

SUBJECT:

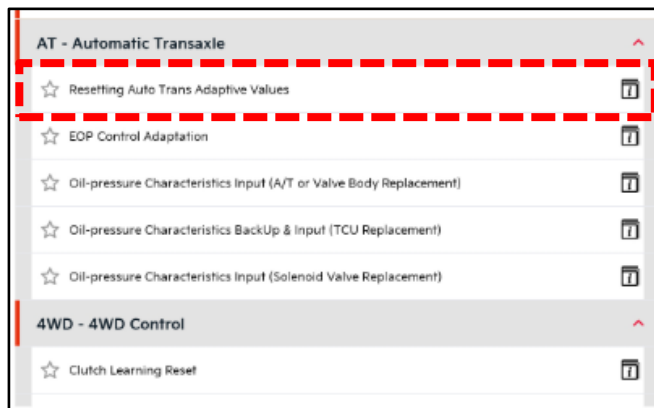
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**Steps 4a - 4f MUST be completed in order.**

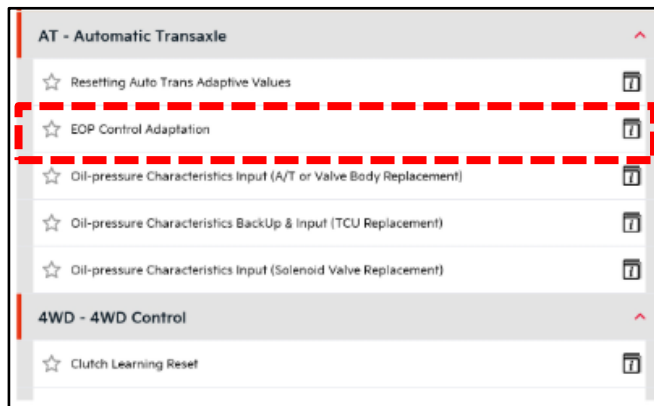
4a. Using the KDS, clear diagnostic trouble codes (DTC).



4b. Select 'Reset Auto Trans Adaptive Values'.



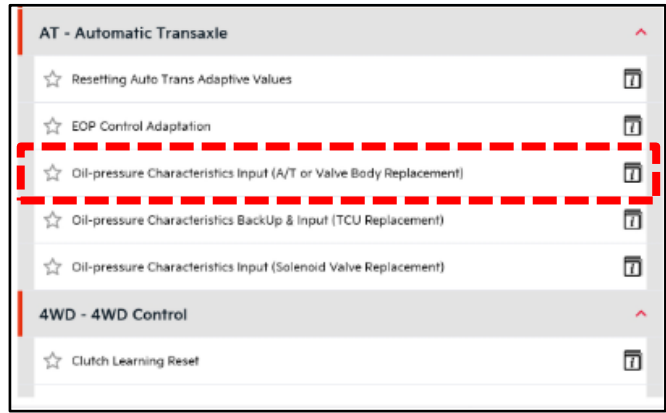
4c. Select 'EOP Control Adaptation'.



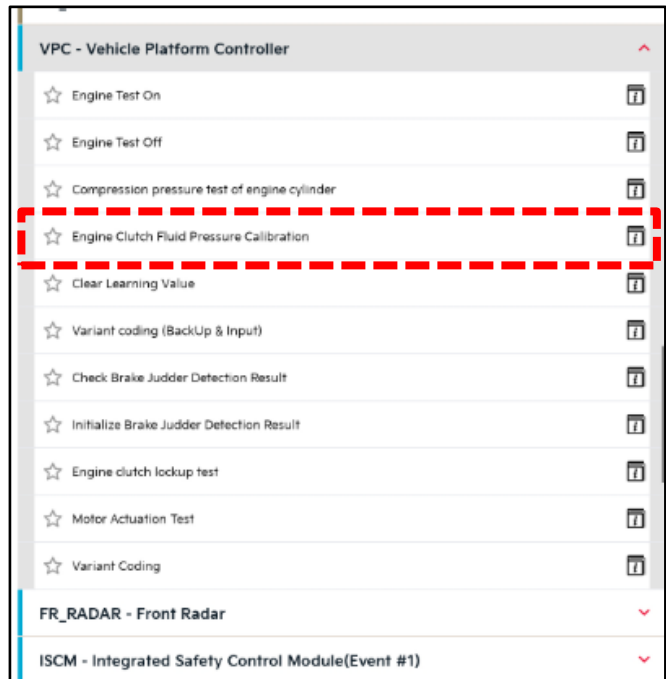
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4d. Select 'Oil Pressure Characteristics Input (A/T or Valve Body Replacement)'.



4e. Select 'Engine Clutch Fluid Pressure Calibration'.



4f. Perform TCM adaptive values learning procedures by referring to "Automatic Transaxle System → Automatic Transaxle → Automatic Transaxle Control System → Adjustment" in the applicable Shop Manual on KGIS.

5. Check the alignment.

6. Confirm normal vehicle operation.

**Adjustment**

**TCM adaptive values learning**

- When shift shock occurs or parts related with the automatic transaxle are replaced, TCM learning should be performed.
- In the following case, TCM learning is required.
  - Automatic transaxle assembly replacement
  - TCM upgrade or replacement
  - Valve body assembly replacement

**TCM adaptive values learning procedure**

- Static learn (condition: ATF temperature 35 - 95°C (95 - 203°F))

- Step on the brake, and then pause for 3 seconds each on "N" range and "D" range.
- Repeat the above procedure four times.

• Driving relearning

- Drive the vehicle through all the gears (1st → 2nd → 3rd → 4th → 5th → 6th).

**NOTICE**

Keep the throttle position (15 - 25%) steady while driving the vehicle.

- Decelerate the vehicle by stepping on the brake (6th → 5th → 4th → 3rd → 2nd → 1st).
- Repeat the above procedure four times.




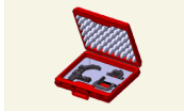



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**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Telluride Hybrid (LQ2 HEV)	February 03, 2026 to March 20, 2026









**REQUIRED TOOL:**

Tool Name	Part Number	Figure	Location	Comments
Engine Support Fixture (Bar)	09200 3N000		SHOP	N/A
Engine Support Fixture	09200 2S000			
	09200 25200			
	09200 4X000			
Engine Fixture Assembly Support	09200 C3610			
Lower Arm Ball Joint Remover	OK545 A9100		Toolbox #1 Drawer 10	
Ball Joint Puller	09568 2J100			



SUBJECT:

**SERVICE ACTION: TRANSAXLE ASSEMBLY REPLACEMENT (SA648)****REQUIRED PART:**

Part Name	Part Number	Figure	Qty.	Comment	
LQ2 (Hybrid) TMED II Transmission Auto T/M & Motor Assy <b>(Without Electronic Shift Actuator)</b>	450A1 3U100		1	2WD	
	450A1 3U150		1	AWD	
Rod Bracket Bolt	11435 12006KA		1	AWD	
Inner Shaft Circlip	49557 3M000		1	N/A	
Front Drive Circlip	49557 P2000		1		
Universal Joint Assembly Bolt	56415 2H000		1		
Split Pin	57799 4D200		2		
	14300 03257K		2		
Lock Nut	55259 2M000		2		
Propeller Shaft Mounting Bolt	11435 10256K		7		
Driveshaft Caulking Nut	49551 4T000		2		
Coolant	UM020 CH263	N/A	3 Gal.		Pink (Pre-Mix)
Hybrid Motor Coolant	UM022 CH270	N/A	1 Gal.		N/A
Grease	UM010 CH047 Or Locally Sourced Equivalent	N/A	As Needed	1g Of Grease Per Vehicle	
ATF SP4M-1	UM013 CH059	N/A	Up To 2qts	Must Be Entered Manually When Claiming	

**Note: Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing**

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**WARRANTY INFORMATION:**

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
LQ2 HEV 2WD	V	450A1 3U100	1	(SA648) Transaxle Assembly Replacement (2WD)	260A21R0	4.3 M/H	49557 3M000	1
							49557 P2000	1
							56415 2H000	1
							57799 4D200	2
							14300 03257K	2
							55259 2M000	2
							11435 10256K	7
							49551 4T000	2
							UM020 CH263	3
UM022 CH270	1							
LQ2 HEV AWD	V	450A1 3U150	1	(SA648) Transaxle Assembly Replacement (AWD)	260A21R1	4.6 M/H	49557 3M000	1
							49557 P2000	1
							11435 12006KA	1
							56415 2H000	1
							57799 4D200	2
							14300 03257K	2
							55259 2M000	2
							11435 10256K	7
							49551 4T000	2
							UM020 CH263	3
UM022 CH270	1							

**Note:** When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense. Use sublet code 'X1' with a maximum allowed amount of \$0.14 per vehicle for grease (PN UM010 CH047 or locally sourced equivalent).

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA648** when accessing the KDealer+ system.

