

GROUP	MODEL
Safety Recall Campaign	2025MY EV9 (MVa)
NUMBER	DATE
SC337	February 2025

SAFETY RECALL CAMPAIGN

SUBJECT:

REAR MOTOR AND REDUCTION GEAR DRIVE ASSEMBLY REPLACEMENT (SC337)

This bulletin provides information to replace the rear motor and reduction gear assembly, also referred to as the gear drive unit (GDU), on certain 2025MY EV9 (MV1a) vehicles equipped with dual-motor e-AWD (All Wheel Drive) produced from October 11, 2024 through December 19, 2024 at a Kia assembly plant in the US. Due to a supplier welding error, the motor shaft inside the rear GDU may become damaged, resulting in reduced acceleration and loss of motive power, and possible setting of DTC P0A41. Loss of motive power increases the risk of a crash. Follow the procedure outlined in this publication to replace the GDU on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

DTC Description:

P0A4100: Drive Motor 'A' Position Sensor Circuit Low



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 \rightarrow Warranty Coverage \rightarrow Warranty Coverage Inquiry \rightarrow Campaign Information). Not completed Recall / Service Action reports are available on KDealer+ (Consumer Affairs \rightarrow Not Completed Recall \rightarrow Recall VIN \rightarrow Select Report), which includes a list of affected vehicles.

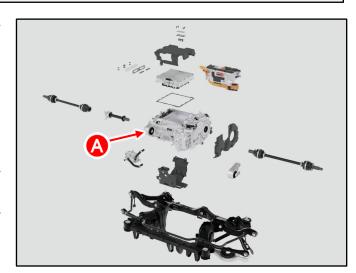
Replacement Procedure: (GDU)

A DANGER

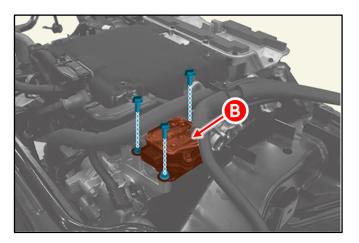
When performing this procedure, follow all EV battery safety precaution procedures found in the "General Information → General Safety Information and Caution" chapter in the Shop Manual on KGIS and wear all required Personal Protection Equipment (PPE). Failure to follow the safety instructions may result in serious electrical injuries.

 Remove the Rear Motor and Reduction Gear Assembly (GDU) (A) by referring to "Motor and Reduction Gear System → Rear Motor and Reduction Gear Assembly → Removal → Installation" in the applicable Shop Manual on KGIS.

Note: The Shift by Wire (SBW) actuator assembly will need to be reused and transferred to the 'new' GDU/Rear Motor and Reduction Gear Assembly.

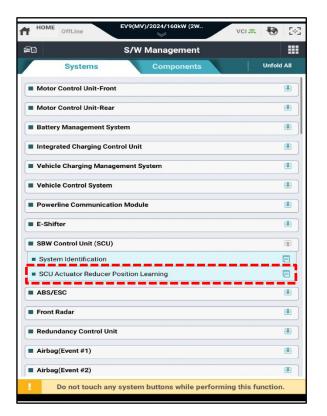


- 2a. Loosen the three (3) SBW actuator assembly(B) retaining bolts and remove it from the existing GDU.
- 2b. Install the removed SBW actuator assembly (B) onto the 'new' GDU.
- 3. Install the new GDU and all other removed parts in reverse order of removal.





- 4. Using KDS, clear any related stored DTC(s) and perform the following two (2) procedures:
 - SCU Actuator Reducer Positioning Learning
 - Initialization of Automatic Resolver Offset Calibration





5. Confirm normal vehicle operation.



AFFECTED VEHICLE RANGE:

Model	Production Date Range
EV9 (MVa)	October 11, 2024 to December 19, 2024

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Engine Support Fixture (adapter)	09200 4X000		N/A
CV Joint Puller	09517 4E000		Located in Toolbox 1 Drawer 11

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Rear Motor & Reduction Gear Drive Assy	44000 18MD2QQK		1
Rod Assy - Bolt	58161 1H000		4
Input Gasket	366G2 1XHM0		1
Output Gasket	366G1 1XHM0		1
Inverter Gasket	Inverter Gasket 366G9 1XHMO N/A		1
Castle Lock nut	49551 4T000		2
Clip	49557 DO000		1
Gear Oil	UM022 CH269		5 qts.
Coolant	UM022 CH271		1 Gal.
Castle Lock nut Clip Gear Oil	49551 4T000 49557 D0000 UM022 CH269	N/A	1 5 qts.

<u>Note</u>: The replacement QQK part numbers will require a VIN entry for parts ordering. DO NOT order these parts for stocking purposes, related to this Campaign. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing.



WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
	R 44000 18MD2				6.3 M/H	44000 18MD2QQK	1
			(SC337) O Rear Motor-Gear Drive Unit Replacement			58161 1H000	4
						366G2 1XHMO	1
		0				366G1 1XHM0	1
R						366G9 1XHM0	1
						49551 4T000	2
						49557 DO000	1
						UM022 CH269	5
					UM022 CH271	1	

<u>Note:</u> Refer to <u>Warranty Bulletin 2025-09</u> for claim submission procedures. Manually enter sublet code 'X2' for reimbursement of one roundtrip rideshare expense or up to three (3) days of rental expense, with supporting documentation.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC337 when accessing the KDealer+ system.

