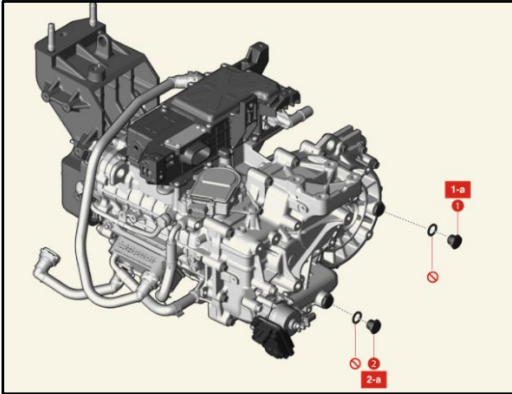
	GROUP	MODEL
	Subsequent Repair Action	2023-2024MY Niro EV (SG2 EV) <u>and</u> EV6 (CV)
	NUMBER	DATE
	SC345Z	October 2025

SUBSEQUENT REPAIR ACTION

SUBJECT:
FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

This bulletin provides information regarding grinding or whining noise coming from the front motor reduction gear assembly after replacing the oil under SC345 (published in August 2025) on certain 2023-2024MY Niro EV (SG2 EV) vehicles produced from December 12, 2022 through February 7, 2024 and EV6 (CV) vehicles produced from December 14, 2022 through February 22, 2024. In rare cases, the front motor reduction gear assembly may exhibit noise after having the oil replaced. Follow the procedure outlined in this publication to replace front motor reduction gear assembly with a new part on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



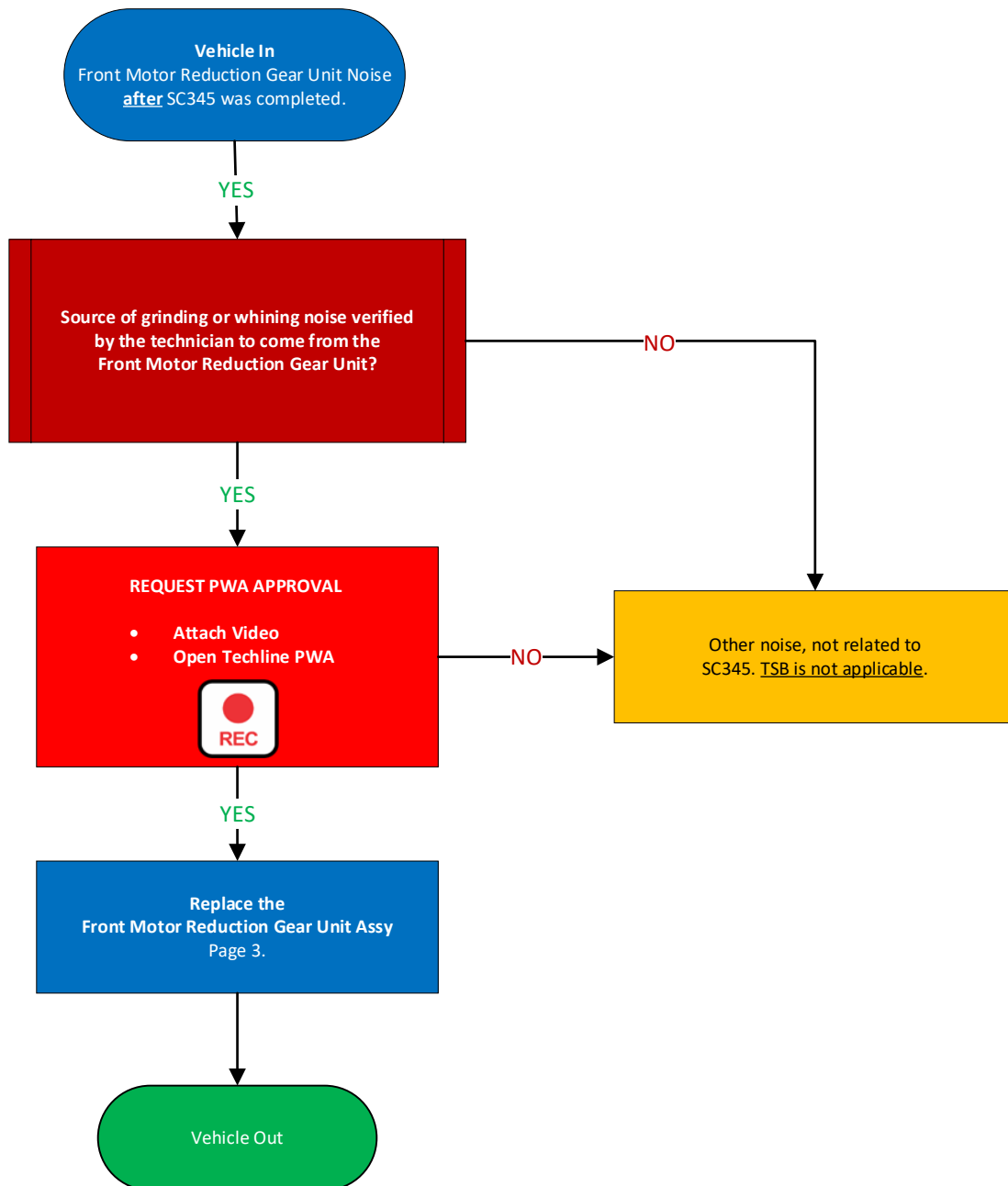
NOTICE

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.

SUBJECT: FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

Flowchart:

Before Proceeding: The affected vehicle has previously completed campaign SC345 Front Reduction Gear Unit Oil Replacement and is now confirmed to have whining or grinding noise coming from the Front Motor Reduction Gear Unit.



SUBJECT: FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

Repair Procedure:

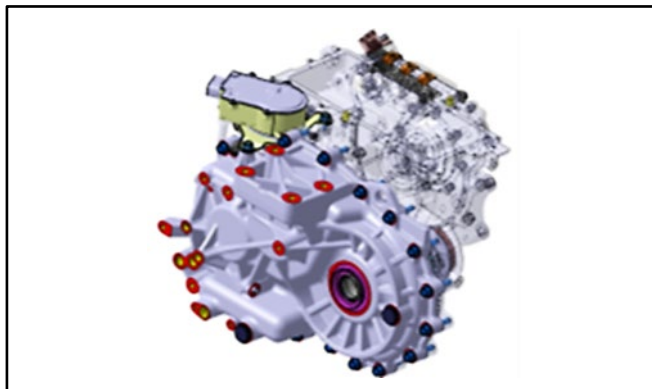
⚠ DANGER

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.

1. Replace the front motor gear drive unit by referring to "Motor and Reduction Gear System → Front Motor and Reduction Gear Assembly → Removal/Installation" in the applicable Shop Manual on KGIS.

ⓘ IMPORTANT

Follow the instructions on KGIS and refer to the Warning, Caution, and Notice boxes. Replace the applicable non-reusable parts included in this bulletin.



SG2 EV Front Motor Gear Drive Assy show for reference only.

***Note: The new Front Motor Gear Drive Unit is pre-filled with gear oil PN UM022 CH269.**


2. Verify normal vehicle operation after replacement is completed.

SUBJECT: FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro EV (SG2 EV)	December 12, 2022 to February 7, 2024
EV6 (CV)	December 14, 2022 to February 22, 2024

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Engine Fixture (Adapter)	09200 4X000		Shop

REQUIRED PART: NIRO EV (SG2 EV)

Part Name	Part Number	Figure	Qty.	Comments
Front Motor Gear Drive Unit	36501 0EDA0	N/A	1	Pre-filled with oil*
Lock Nut - Tie Rod End	55259 2M000		2	
Split Pin - Tie Rod End	57799 4D200		2	
Split Pin - Ball Joint	54566 3M500		2	Lower Arm
Lock Nut - Driveshaft	49551 3X000		2	
Clip - Driveshaft Clip	49557 F2000		2	Drive & Inner Shaft
Bolt - U-Joint	56415 L1000		1	Steering
Bolt - Roll Rod Bracket	21920 A7000		1	
Bolt - Front Lower Arm	55117 AA100		4	
Nut - Front Lower Arm	54559 1F000		2	
Gasket - Inverter	366G1 0EJA0		1	Service Output
Gasket - Inverter	366G2 0EJA0		1	Service Input
Gasket - Inverter Assembly	366G9 0EJA0		1	
Coolant (Gal.)	UM020 CH263		5 Gal.	=14.5 L

***Note: The Niro EV Front Motor Gear Drive Unit is pre-filled with gear oil PN UM022 CH269.**

(Max. Fill Capacity is 2.3 liters)

SUBJECT: FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

REQUIRED PART: EV6 (CV)

Part Name	Part Number	Figure	Qty.	Comments
Front Motor-Gear Drive Unit Assembly	44000 18FA0	N/A	1	70 kW
Bolt - Steering Universal Joint Assembly	56415 L1000		1	
Lock Nut - Tie Rod End	55259 2M000		2	
Split Pin - Tie Rod End	57799 4D200		4	Tie Rod 2 ea. & Lower WR Arm 2 ea.
Lock Nut - Front Drive Shaft	49551 4T000		2	
Circlip - Drive Shaft	49557 F2000		2	
Gasket - Inverter	366G9 1XAA0		1	
Coolant (Gal.)	UM020 CH263		2 Gal.	6.9 L

***Note:** The EV6 Front Motor Gear Drive Unit is pre-filled with gear oil PN UM022 CH269.

(Max. Fill Capacity is 3.0 liters)



WARRANTY INFORMATION: NIRO EV (SG2 EV)

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
SG2 EV	R	36501 OEDA0	0	(SC345Z) Front Reduction Gear Assembly Replacement	250060R7	5.3 M/H	36501 OEDA0	1
							55259 2M000	2
							57799 4D200	2
							54566 3M500	2
							49551 3X000	2
							49557 F2000	2
							56415 L1000	1
							21920 A7000	1
							55117 AA100	4
							54559 1F000	2
							366G1 OEJAO	1
							366G2 OEJAO	1
							366G9 OEJAO	1
UM020 CH263	5							

Refer to Warranty Bulletin 2025-24 for claim submission procedures. When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC345Z when accessing the KDealer+ system.



SUBJECT: FRONT MOTOR REDUCTION GEAR ASSEMBLY REPLACEMENT (SC345Z)

WARRANTY INFORMATION: EV6 (CV)

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
EV6	R	44000 18FBO	0	(SC345Z) Front Reduction Gear Assembly Replacement	250060R6	5.4 M/H	44000 18FA0	1
							56415 L1000	1
							55259 2M000	2
							57799 4D200	4
							49551 4T000	2
							49557 F2000	2
							366G9 1XAA0	1
							UM020 CH263	2

Refer to Warranty Bulletin 2025-24 for claim submission procedures. When substitute transportation is provided, manually enter sublet code 'X2' for rental expense reimbursement or one roundtrip rideshare expense.

 NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC345Z when accessing the KDealer+ system.

