



# Technical Service Bulletin

GROUP <b>CAMPAIGN</b>	NUMBER <b>25-01-056H</b>
DATE <b>AUGUST 2025</b>	MODEL(S) <b>IONIQ 5 (NEA EV)</b>

**SUBJECT:** FRONT OR REAR MOTOR-GEAR DRIVE UNIT (MGDU) ASSEMBLY REPLACEMENT (SERVICE CAMPAIGN TDW)

## \* IMPORTANT

Dealers must perform this service campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the “Vehicle Information” screen via WebDCS to identify open campaigns.

**Description:** Certain 2025MY IONIQ 5 (NEA EV) vehicles are equipped with a Motor and Reduction Gear Motor-Gear Drive Unit (MGDU) differential gear assemblies that are missing a wave washer. This can cause the MGDU housing to make noise. Follow the procedure outlined in this TSB to replace the Front or Rear Motor & Reduction Gear assembly.

### Applicable Vehicles (Certain):

Model Year	Model	Production Dates
2025	IONIQ 5 (NEA EV)	12/03/2024 - 03/25/2025

## i Information

**First Step:** To determine the applicable operation for each vehicle, look up the VIN on **WebDCS > Vehicle Information > Campaign Not Performed > Campaign Description** field. For example, if the Op Code listed is **50DV10R0**, perform **ONLY** the steps in this TSB for the **Front Motor-Gear Assembly**.

Campaign Code	Recall	Campaign Description	Campaign Start Date	Vin Activation Date	Campaign Bulletins
TDW		50DV10R0 - FRONT MOTOR-GEAR ASSY. REPL(25-01-XXXH)	07/09/2025	07/03/2025	<a href="#">Inquiry</a>

## NOTICE

To avoid any potential damage to IONIQ vehicles, this service campaign can only be performed at IONIQ certified dealers.

**SUBJECT:****FRONT OR REAR MOTOR-GEAR DRIVE UNIT (MGDU)  
ASSEMBLY REPLACEMENT (SERVICE CAMPAIGN TDW)****Parts Information:**

Model	Part Name	Part Number	Figure	Remarks
IONIQ 5 (NEA EV)	Motor-Gear Drive Unit Assembly, FRT	44000-18FA1		Qty: 1
	Clip (Front Only)	49557-F2000		Qty: 2 for front replacement only
	Nut-Castle (Front Only)	49551-4T000		Qty: 2 for front replacement only
	Motor-Gear Drive Unit Assembly, RR	44000-18FB2		Qty: 1
	Bolt-Flange (Rear Only)	11406-10406K		Qty: 2 for rear replacement only
	Clip-Front Axle Diff Side (Rear Only)	14630-02910		Qty: 1 for rear replacement only
	Pink Antifreeze/Coolant	00232-19098		Qty: 2 gallons

**SUBJECT:**FRONT OR REAR MOTOR-GEAR DRIVE UNIT (MGDU)  
ASSEMBLY REPLACEMENT (SERVICE CAMPAIGN TDW)**Warranty Information:**

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
IONIQ 5 (NEA EV)	50DV10R0	Replacement of <b>FRONT</b> Motor Gear Drive Unit	4.8 M/H	44000-18FA1	Q75	ZZ7
	50DV10R1	Replacement of <b>REAR</b> Motor Gear Drive Unit	4.2 M/H	44000-18FB2		

**NOTE 1:** Submit claim on Claim Entry Screen as “Campaign” type.

**NOTE 2:** If a part is found in need of replacement while performing this campaign and the affected part is still under warranty, submit a separate claim using the same repair order. If the affected part is out of warranty, submit a Prior Approval request for goodwill consideration prior to performing the work.

**NOTE 3:** This TSB includes repair validation photos. Op times include VIN, mileage, and repair validation photo(s) as outlined in the Digital Documentation Policy.

**NOTE 4:** The incident parts are subject to callback through the normal Warranty Technical Center (WTC) parts return process. **Claim is subject to debit if the part is not returned.**

**Service Procedure:****DIGITAL DOCUMENTATION**

This TSB includes repair validation photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

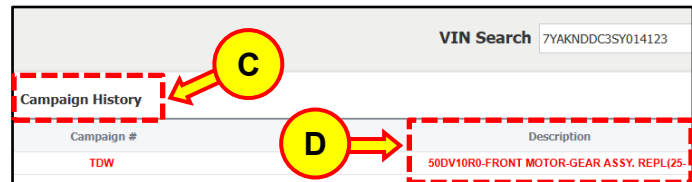
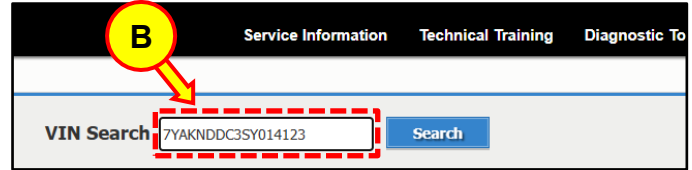
**NOTICE**

Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

**Front or Rear MGDU Assembly Replacement**

1. Confirm which MGDU (front or rear) to replace:

- Go to Hyundai Tech Info ([hyundaitechinfo.com](http://hyundaitechinfo.com)) > **VIN Search (A)**.
- Enter the vehicle's VIN in the **VIN Search** field (B), then select **Search**.
- Under **Campaign History (C)**, go to **Campaign # (TDW) > Description (D)**.
- Replace the listed **Front** or **Rear** MGDU assembly, using the Op Code provided, following the procedures below.



2. Perform high voltage shut-off procedures by referring to the shop manual:
- **Motor and Reduction Gear System > High Voltage Shut-off Procedures**
3. Remove the Front or Rear MGDU assembly as necessary by referring to the shop manual.

***i* Information**

**ONLY** replace the **Front** or **Rear** assembly according to the VIN-specific Op Code.

Front Motor-Gear Drive Unit removal:

- **Motor and Reduction Gear System > Front Motor and Reduction Gear System > Front Motor and Reduction Gear Assembly > Removal**

Rear Motor-Gear Drive Unit removal:

- **Motor and Reduction Gear System > Rear Motor and Reduction Gear System > Rear Motor and Reduction Gear Assembly > Removal**

4. Install the new motor and reduction gear system by referring to the shop manual.

Front Motor-Gear Drive Unit installation:

- **Motor and Reduction Gear System > Front Motor and Reduction Gear System > Front Motor and Reduction Gear Assembly > Installation**

Rear Motor-Gear Drive Unit installation:

- **Motor and Reduction Gear System > Rear Motor and Reduction Gear System > Rear Motor and Reduction Gear Assembly > Installation**

5. Perform an air tightness inspection by referring to the shop manual.

Front Motor-Gear Drive Unit Air Tightness Inspection:

- **Motor and Reduction Gear System > Front Motor and Reduction Gear System > Air Tightness**

Rear Motor-Gear Drive Unit Air Tightness Inspection:


- **Motor and Reduction Gear System > Rear Motor and Reduction Gear System > Air Tightness**

**Information**

For Video Reference please refer to **TSB 25-EV-001H - EV Light Repair for E-GMP Platform.**

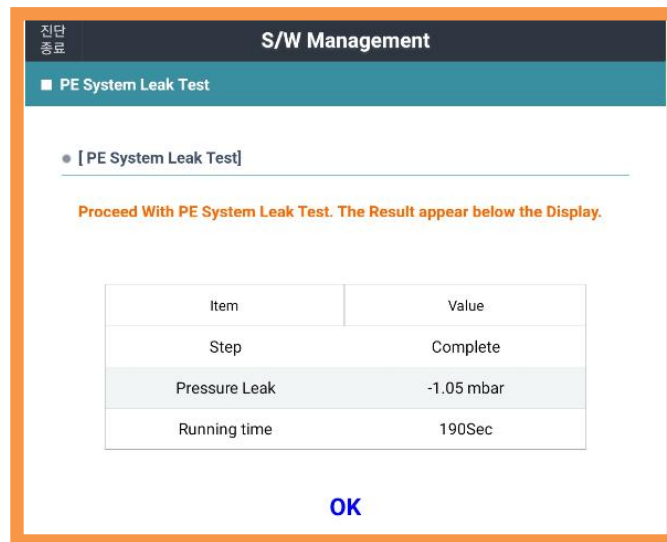
6. Perform the air bleed for the coolant system by referring to the shop manual:
  - **Cooling System > Motor Cooling System > Coolant > Coolant Refilling and Bleeding**

7. Perform "Initialization of Motor Resolver Calibration" by referring to the shop manual:
  - **Motor and Reduction Gear System > Motor and Reduction Gear Control System > Motor Position & Temperature Sensor > Inspection > Initialization of Motor Resolver Calibration**

8. **DIGITAL DOCUMENTATION** 

**Using STUI, take a picture of the screen of the air tightness inspection test after it has been completed.**

**Upload the photo to STUI.**



9. Reconnect the high voltage battery and auxilliary battery.
10. Place vehicle in **READY** mode and verify normal operation.
11. The service procedure is now complete.