

 Technical Service Bulletin	GROUP HVAC	NUMBER 26-HA-002G
	DATE JUNE 2026	MODEL(S) SEE BELOW
SUBJECT: REDUCED HEATER PERFORMANCE – TEMPERATURE CHECK & HEATER CORE REPLACEMENT		

This TSB supersedes 24-HA-001G to revise the “Applicable Vehicles” section on page 1.

Description: Some Genesis vehicles (listed below) equipped with Lambda-III 3.5T-GDI engines may exhibit reduced heater performance due to engine coolant deposits clogging the heater core. This bulletin provides instructions to verify the concern and to replace the front and rear heater core (if applicable).

Applicable Vehicles:

Model Year	Model	Engine	Production Dates
2021 – 2025	G80 (RG3)	Lambda III 3.5T-GDI	07/25/2020 – 02/15/2025
2023 – 2025	G90 (RS4)		04/21/2022 – 02/21/2025
2022 – 2026	GV70 (JK1)		03/10/2021 – 03/20/2025
2024 – 2026	GV70 (JK1A)		05/25/2023 – 06/11/2025
2021 – 2025	GV80 (JX1)		10/16/2020 – 04/03/2025

Parts Information:

Model	Part Name	Part Number	Remarks	Coolant Capacity*
G80 (RG3)	Front Heater Core	97138-T1000QQH	Qty: 1	–
G90 (RS4)		97138-T4000QQH		–
GV70 (JK1, JK1A)		97138-AR000QQH		–
GV80 (JX1) (5-Passenger)		97138-T6000QQH		–
GV80 (JX1) (7-Passenger)		97138-T6300QQH		–
GV80 (JX1) (7-Passenger)	Rear Heater Core	97138-T6500QQH		–
G80 (RG3)	Pink Coolant	00232-19098WAR	Coolant Qty: 6 Quarts	11.6 Quarts
G90 (RS4)				10.4 Quarts
GV70 (JK1, JK1A)				10.2 Quarts
GV80 (JX1) (5-Passenger)				11.6 Quarts
GV80 (JX1) (7-Passenger)			Coolant Qty: 9 Quarts	16.4 Quarts
All Models	Front Pillar Trim Mounting Clip	85815-C1100	Qty: 2	-
GV80 (JX1) G80 (RG3) G90 (RS4)	Front Pillar Fastener Clip	82315-2W000	Qty: 2	-
GV70 (JK1, JK1A)		82315-2P000		
All Models	Steering Wheel Lock Bolt	56115-B1000	Qty:1	-
All Models	Evaporator Core O-Ring	97141-4H900	Qty: 2	

***NOTE:** Do **NOT** use 100% full strength anti-freeze. Prepare coolant mixed with distilled/filtered water to refill the cooling system. (55 - 60% antifreeze, diluted with 40 - 45% distilled water)

Required Equipment/Supplies:

Name	Figure	Remarks
Thermometer		Standard Shop Supply

Examples Include:

- Outset F800 or Taylor Instant-Read Digital Thermometer
- ThermoPro or KIZEN Infrared Thermometer Temperature Gun

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G80 (RG3), G90 (RS4), GV70 (JK1, JK1A), GV80 (JX1) (5-Passenger)	40D158R0	Front Heater Performance Inspection	0.3 M/H	97138-T1000 (RG3) 97138-T4000 (RS4) 97138-AR000 (JK1 / JK1A) 97138-T6000 (JX1 5P)	IB2	ZZ3
GV80 (JX1) (7-Passenger)	40D158R1	Front and Rear Heater Performance Inspection	0.4 M/H	97138-T6300		
G80 (RG3)	40D158R2	Front Heater Performance Inspection and Front Heater Core Replacement	5.2 M/H	97138-T1000		
G90 (RS4)	40D158R3		5.4 M/H	97138-T4000		
GV70 (JK1)	40D158R4		5.1 M/H	97138-AR000		
GV70 (JK1A)	40D158R5		5.1 M/H	97138-AR000		
GV80 (JX1) (5-Passenger)	40D158R6		5.0 M/H	97138-T6000		
GV80 (JX1) (7-Passenger)	40D158R7	Front and Rear Heater Performance Inspection and Front Heater Core Replacement	5.1 M/H	97138-T6300		
	40D158R8	Front and Rear Heater Performance Inspection and Rear Heater Core Replacement	2.1 M/H	97138-T6500		
	40D158R9	Front and Rear Heater Performance Inspection and Front and Rear Heater Core Replacement	6.1 M/H	97138-T6300		

NOTE 1: Submit a campaign claim on the "Claim Entry/Edit/Submit" screen on WebDCS and attach all required Digital Documentation per TSB to the claim.

NOTE 2: If any part(s) not subject to this TSB are found in need of replacement while performing the repair procedure, and the affected part(s) are still under warranty, the retailer may submit a separate claim using the same repair order. If the part(s) not subject to this TSB are out of warranty coverage, the retailer has the option to submit a PA Request for goodwill consideration on a case-by-case basis.

NOTE 3: This TSB includes repair justification photos. Op times include VIN, mileage, and repair justification 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 justification photos. Refer to the latest Warranty Digital Documentation Policy for requirements.

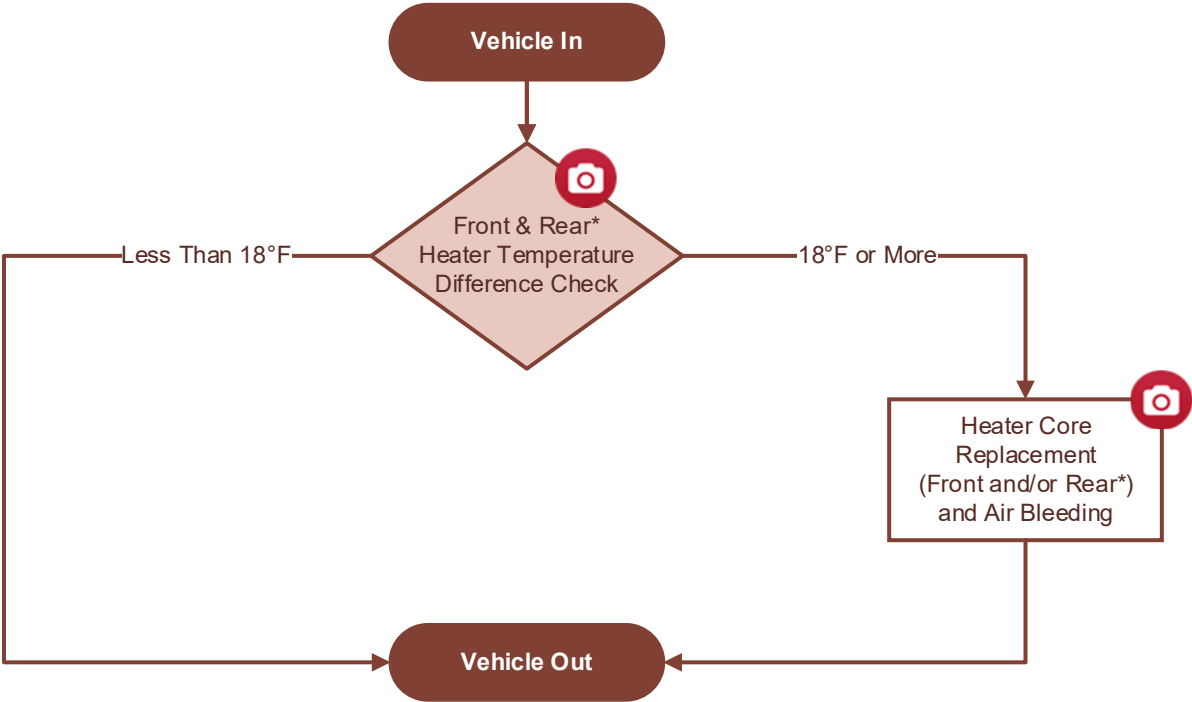
NOTICE

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

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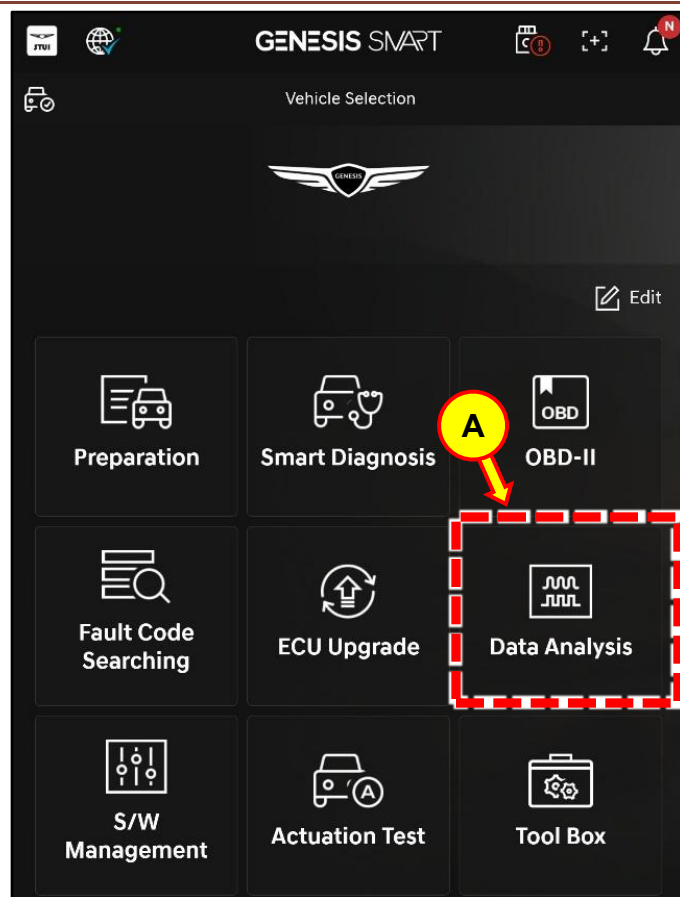
Flowchart



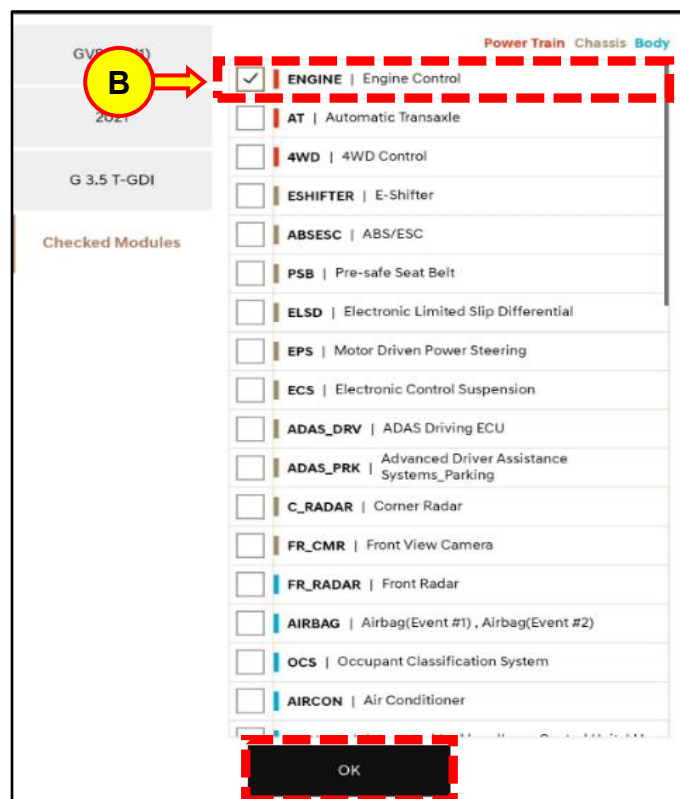
*If applicable

Heater Temperature Difference Check - Preparation

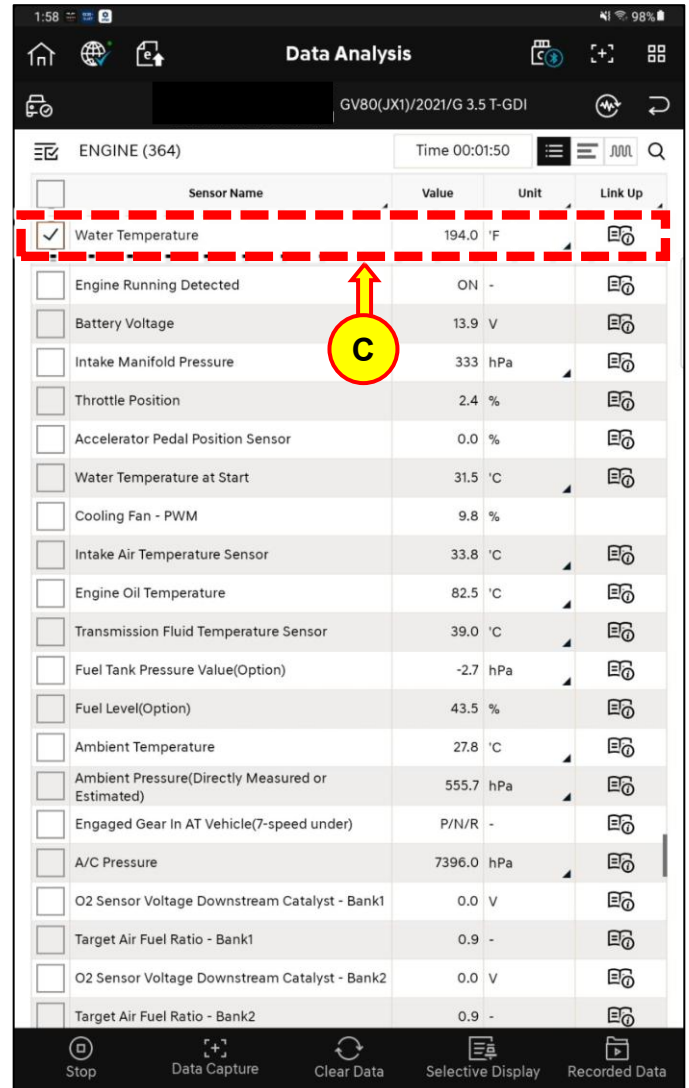
1. Connect GDS.
2. Turn **ON** the IG switch.
3. Select **Data Analysis** (A) on the Genesis Smart home screen.



4. Select **ENGINE** (B) and press **OK**.



5. Check the **Water Temperature Value (C)**.
6. Maintain the engine RPM at 2000-3000 until the Water Temperature Value is **194°F (90°C)** or higher.

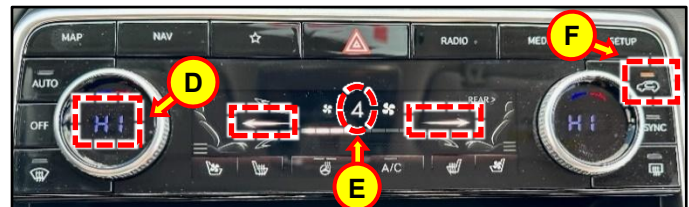


Data Analysis
GV80(JX1)/2021/G 3.5 T-GDI
Time 00:01:50

☐	Sensor Name	Value	Unit	Link Up
☒	Water Temperature	194.0	°F	
☐	Engine Running Detected	ON	-	
☐	Battery Voltage	13.9	V	
☐	Intake Manifold Pressure	333	hPa	
☐	Throttle Position	2.4	%	
☐	Accelerator Pedal Position Sensor	0.0	%	
☐	Water Temperature at Start	31.5	°C	
☐	Cooling Fan - PWM	9.8	%	
☐	Intake Air Temperature Sensor	33.8	°C	
☐	Engine Oil Temperature	82.5	°C	
☐	Transmission Fluid Temperature Sensor	39.0	°C	
☐	Fuel Tank Pressure Value(Optional)	-2.7	hPa	
☐	Fuel Level(Optional)	43.5	%	
☐	Ambient Temperature	27.8	°C	
☐	Ambient Pressure(Directly Measured or Estimated)	555.7	hPa	
☐	Engaged Gear In AT Vehicle(7-speed under)	P/N/R	-	
☐	A/C Pressure	7396.0	hPa	
☐	O2 Sensor Voltage Downstream Catalyst - Bank1	0.0	V	
☐	Target Air Fuel Ratio - Bank1	0.9	-	
☐	O2 Sensor Voltage Downstream Catalyst - Bank2	0.0	V	
☐	Target Air Fuel Ratio - Bank2	0.9	-	

Stop Data Capture Clear Data Selective Display Recorded Data

7. Set HVAC temperature to **HI (D)**, fan speed to **4 (E)**, recirculation mode **ON (F)**, and direct the airflow to the face vents.



For GV80 (JX1) 7-Passenger models, do the same settings for the 3rd row.



**Heater Temperature Difference Check and Heater Core Replacement -
G80 (RG3), G90 (RS4), GV70 (JK1, JK1A), GV80 (JX1, 5-Passenger)**

***i* Information**

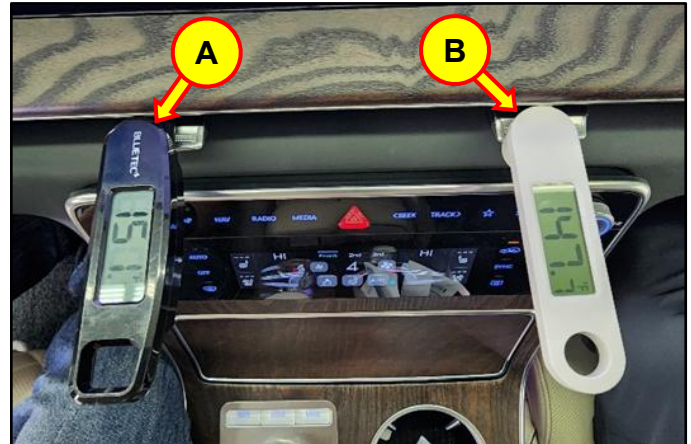
For 7-Passenger GV80 (JX1) vehicles, follow the procedure starting on [page 9](#).

1. Using a thermometer, measure the temperatures at the front center vents on the driver side (A) and passenger side (B).

***i* Information**

Allow adequate time for the vent temperatures to stabilize.

Front Center Vents



- 2.

**DIGITAL
DOCUMENTATION**



Using the STUI camera function, take a photo clearly showing the temperature readings on **BOTH** thermometers.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.

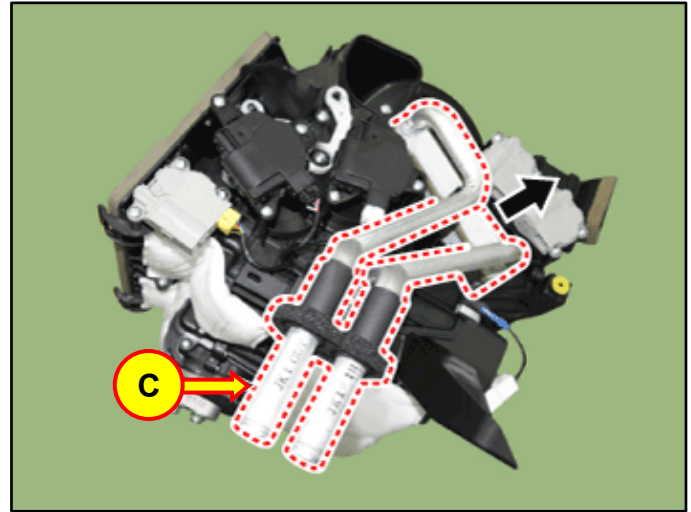


3.
 - If the temperature difference between the front center vents is **less than 18°F**, then Use OP Code **40D158R0** to finish this inspection procedure. The service procedure is now complete.
 - If the temperature difference between the front center vents is **18°F or higher**, then **proceed to step 4** for front heater core replacement.

4. Replace the front heater core (C).

Refer to the shop manual:

- **Heating, Ventilation and Air Conditioning > Heater > Heater Core >**
 - **Replacement** OR
 - **Repair procedures** OR
 - **Removal and Installation**



- 5.

DIGITAL DOCUMENTATION



Using the STUI camera function, take a clear photo of the **OLD** heater core removed next to the **NEW** heater core on top of the box with the “QQH” label showing.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



5. Reinstall all components in reverse order of the removal process.
6. Perform air bleeding of the coolant.

Refer to the shop manual:

- **Engine Mechanical System > Cooling System > Coolant >**
 - **Replacement** OR
 - **Repair procedures** OR
 - **Refill**

• [Integrated flow control valve (ITM) coolant filling]

This function opens up the coolant flow path in the engine with ITM and helps fill coolant.

• [CONDITION]

1. IG ON
2. Transmission position P / Parking brake ON
3. Vehicle speed 0km/h (0 mile/h)
4. Coolant temperature is 90°C or under

[OK] Button : Current coolant temperature check

[Cancel] Button : Optional function completed

7. Start the engine and confirm proper vehicle operation.

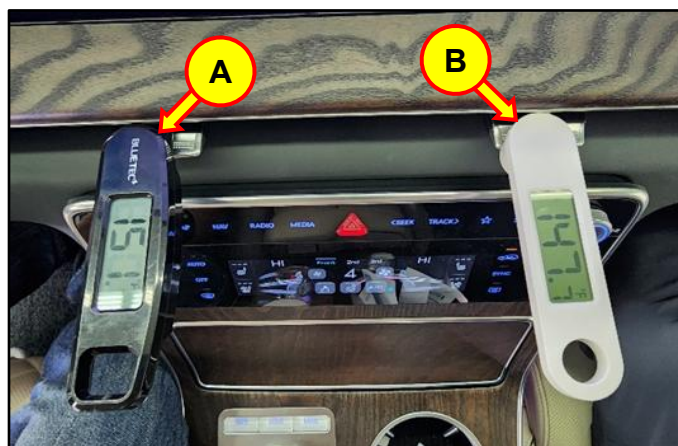
**Heater Temperature Difference Check and Heater Core/Rear Heater Core Replacement -
GV80 (JX1, 7-Passenger)**

1. Using a thermometer, measure the temperatures at the front center vents on the driver side (A) and passenger side (B).

***i* Information**

Allow adequate time for the vent temperatures to stabilize.

Front Center Vents



2. Using a thermometer, measure the temperatures at the rear vents in the 3rd row on the LH (C) and RH (D) sides.

Rear/3rd Row Vents



3.

**DIGITAL
DOCUMENTATION**



Using the STUI camera function, take a photo clearly showing the temperature readings on **BOTH** thermometers for the front vents.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



4.

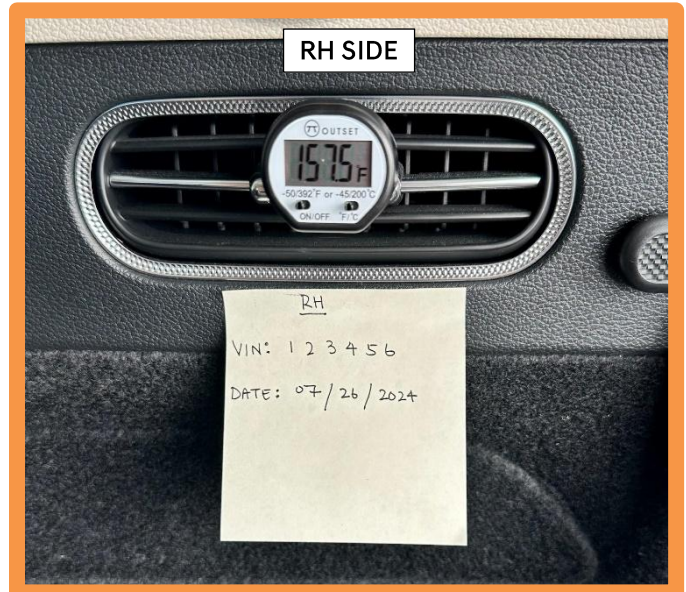
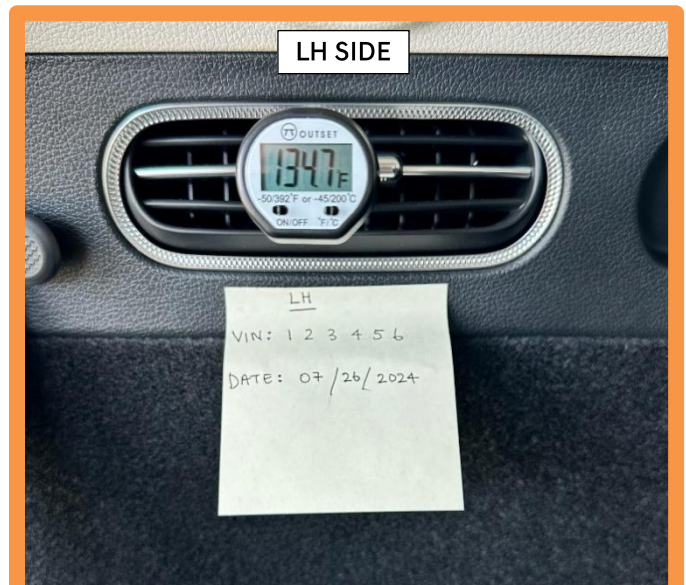
**DIGITAL
DOCUMENTATION**



Using the STUI camera function, take a photo clearly showing the temperature readings on **BOTH** thermometers for the rear vents with a note describing “LH” or “RH” side.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



5.
 - If the temperature difference between the vents in **BOTH** locations – front center and rear/3rd row – is **less than 18°F**, then use OP Code **40D158R1** to finish this inspection procedure. The service procedure is now complete.
 - If the temperature difference between the **front** center vents is **18°F or higher**, then proceed to **step 6** to replace the front heater core.
 - If the temperature difference between the **rear** vents is **18°F or higher**, then proceed to **step 8** to replace the rear heater core.

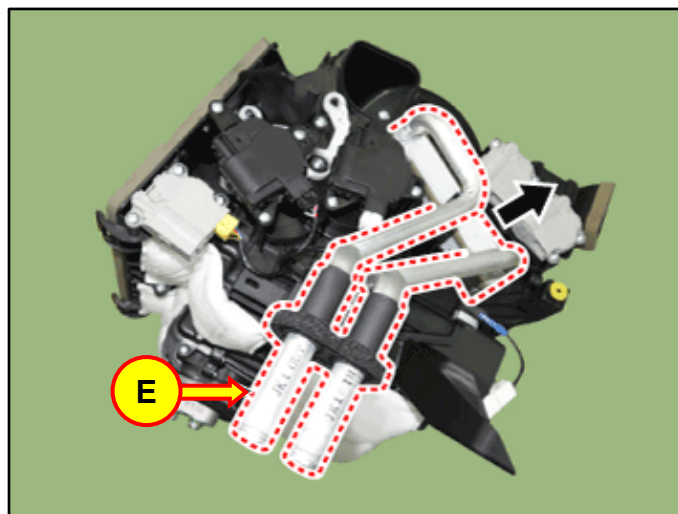
i Information

If the temperature difference between the vents in **BOTH** locations (front center and rear) is **18°F or higher**, then **BOTH** front and rear heater cores must be replaced.

6. Replace the front heater core (E).

Refer to the shop manual:

- **Heating, Ventilation and Air Conditioning > Heater > Heater Core > Repair procedures**



- 7.

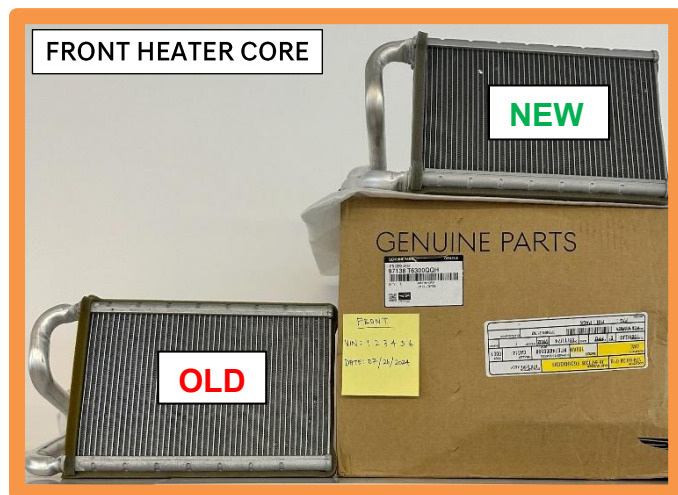
DIGITAL DOCUMENTATION



Using the STUI camera function, take a clear photo of the **OLD** front heater core removed next to the **NEW** heater core on top of the box with the “QQH” label showing and a note designating “**Front**”.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



- If the rear heater core is to be replaced, proceed to **step 8**.
- If only the front heater core needs replacing, proceed to **step 10**.

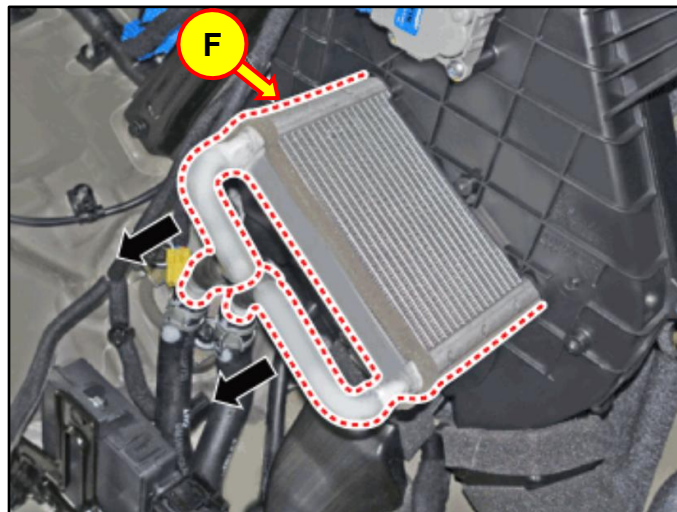
8. Replace the rear heater core (F).

Refer to the shop manual:

- **Heating, Ventilation and Air Conditioning > Rear Air Conditioner > Rear Heater Core > Repair Procedures**

i Information

To prevent coolant spillage inside the cabin when removing the rear heater core, **place an absorbent material in the surrounding area**. Discard absorbent material appropriately after repairs are completed.



- 9.

DIGITAL DOCUMENTATION



Using the STUI camera function, take a clear photo of the **OLD** rear heater core removed next to the **NEW** heater core on top of the box with the “QQH” label showing and a note designating “Rear”.

Upload the photo to STUI.

NOTE: If the STUI camera function is **NOT** used, write the last 6 digits of the VIN and date of repair on a piece of paper to include in the photo.



10. Reinstall all components in reverse order of the removal process

11. Perform air bleeding of the coolant.

Refer to the shop manual:

- **Engine Mechanical System > Cooling System > Coolant > Repair procedures**

* [Integrated flow control valve (ITM) coolant filling]

This function opens up the coolant flow path in the engine with ITM and helps fill coolant.

=[CONDITION]

1. IG ON
2. Transmission position P / Parking brake ON
3. Vehicle speed 0km/h (0 mile/h)
4. Coolant temperature is 90°C or under

[OK] Button : Current coolant temperature check

[Cancel] Button : Optional function completed

12. Start the engine and confirm proper vehicle operation.