

 Technical Service Bulletin	GROUP	NUMBER
	CAMPAIGN	26-01-049G
	DATE	MODEL(S)
	JUNE 2026	G80 (RG3) G90 (RS4)
SUBJECT: THERMOSTATIC EXPANSION VALVE O-RING REPLACEMENT FOR POOR A/C PERFORMANCE (LIMITED COVERAGE CAMPAIGN L09G)		

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IMPORTANT

Retailers must perform this field action on all affected vehicles within 5 / 60,000 New Vehicle Limited Warranty (NVLW) prior to retail delivery to a guest and whenever an affected vehicle is in the shop for any maintenance or repair. See Warranty Information section for more details.

Access the “Vehicle Information” screen via WebDCS to verify “Warranty Start Date” and ensure the vehicle is within NVLW, observing mileage prior to any repair work.

Description: Certain G80 (RG3) and G90 (RS4) vehicles equipped with the 2.5T-GDI Theta III or 3.5T-GDI Lambda III engine may experience reduced air-conditioning performance due to a refrigerant leak originating at the Thermostatic Expansion Valve (TXV).This condition may be caused by improper installation of the liquid and suction pipe O-rings at the TXV connection point. This bulletin provides instructions to replace the TXV O-rings at the liquid and suction pipe connections to correct the condition.



Applicable Vehicles:

Model Year	Model	Engine	Production Dates
2026	G80 (RG3)	2.5T-GDI Theta III 3.5T-GDI Lambda III	11/05/2025 – 12/26/2025
	G90 (RS4)	3.5T-GDI Lambda III	11/01/2025 – 12/28/2025

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**THERMOSTATIC EXPANSION VALVE O-RING REPLACEMENT FOR POOR A/C
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Parts Information:

Model	Part Name	Part Number	Figure	Remarks
G80 (RG3)	Set – O Ring	97690-30000QQH		Set includes: 4 O-rings Upper Suction & Liquid Pipe Qty: 1 Lower Suction & Liquid Pipe Qty: 1 Evaporator Core Qty:2
G90 (RS4)	Supercool R-1234YF PAG 46 Oil with UV Dye	Manufacturer Part Number: 27262D		Commercially Available One 8 oz bottle may treat up to 23 vehicles
	Refrigerant R-1234YF	00232-19068		Each tank is 10 lbs Reimbursement for an affected car will be for 26 ounces

Required Equipment/Supplies:

Name	Equipment/ Supply #	Figure	Remarks	Ordering Information
R-1234YF PAG Oil Injector – Syringe	ROB18465		SHOP SUPPLY Used to inject PAG oil via the Low-Side R-1234YF Service Coupler	Additional SSTs (P/N ROB18465) can be purchased through Snap-on at: genesisessentialtools.com or 1-855-763-6630 . If further assistance is required, contact: Genesistools@snapon.com or Genesistools@gma.com .

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Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G80 (RG3)	60D093R4	TXV O-Ring Replacement & Recharge A/C Refrigerant with Dye (No Additional Refrigerant Required)	1.3 M/H	97626-J5000	B1E	ZZ7
G80 (RG3)	60D093R5	TXV O-Ring Replacement & Recharge A/C Refrigerant with Dye (Additional Refrigerant Required)	1.3 M/H			
G90 (RS4)	60D093R6	TXV O-Ring Replacement & Recharge A/C Refrigerant with Dye (No Additional Refrigerant Required)	1.4 M/H	97626-T4000		
G90 (RS4)	60D093R7	TXV O-Ring Replacement & Recharge A/C Refrigerant with Dye (Additional Refrigerant Required)	1.4 M/H			

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: 5 / 60,000 New Vehicle Limited Warranty (NVLW) applies to the part(s) and repair procedure(s) outlined in this TSB. Prior to beginning any repair work, ensure the part(s) associated with the repair procedure are within NVLW, observing mileage and Warranty Start Date or date of first use. If the subject part(s) 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: 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 4: This TSB includes repair validation photos. Op times include VIN, Mileage, and Repair validation photo(s) as outlined in the Digital Documentation Policy.

NOTE 5: 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.**

NOTE 6: ALL OP codes will reimburse \$1.00 in sublet for use of PAG 46 Oil with UV Dye.

NOTE 7: Op Codes 60D093R5 and 60D093R7 will reimburse 26 ounces of refrigerant under part number 00232-19068WAR.

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Service Procedure:**DIGITAL DOCUMENTATION**

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

NOTICE

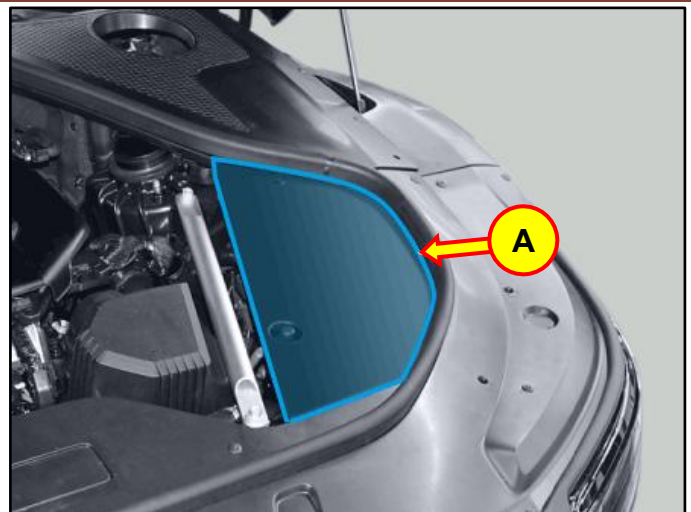
Applying the recommended torque to all fasteners is essential to reduce potential issues from occurring after the service procedure.

TXV O-Ring Replacement

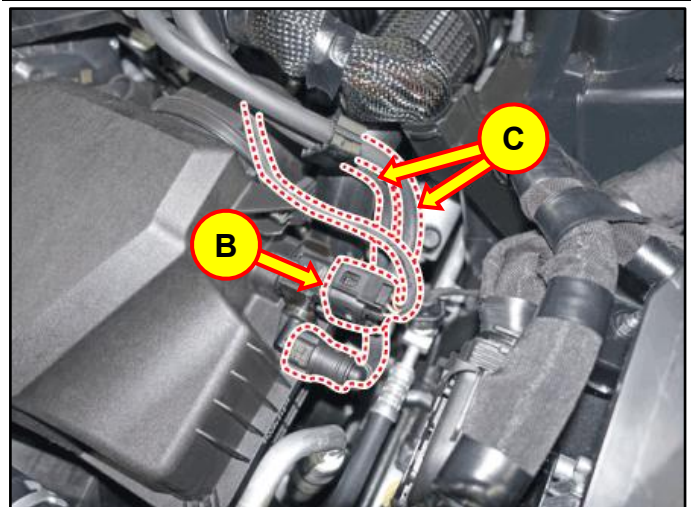
1. For **G90 (RS4)** vehicles equipped with a **3.5T GDI engine ONLY**:

Remove the LH engine room cover (A).

For all other models, proceed to **step 2**.



2. Disconnect the dual purge connector (B) and dual purge hose (C).



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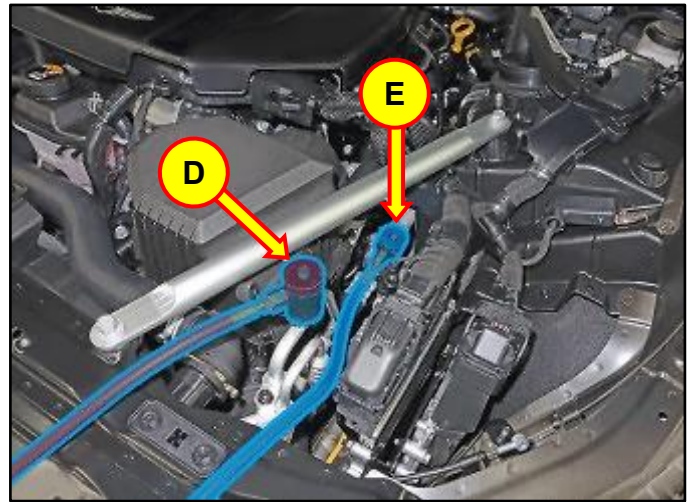
3. Connect the refrigerant recovery/recycling equipment to the high-pressure service port (D) and low-pressure service port (E) and recover the refrigerant by referring to the shop manual:

- **Heating, Ventilation and Air Conditioning > Air Conditioning System > Refrigerant Recovery / Recycling / Charging / Vacuum**
 - **Refrigerant Recovery**

**Information**

Drain or measure the amount of PAG oil in the reservoir prior to recovery to accurately determine how much oil is drained.

- Refrigerant Type: **R-1234YF**
- Refrigerant Capacity:
 - **630 ±25 g or 1.38 ±0.05 lbs (RG3)**
 - **700 ±25 g or 1.54 ±0.05 lbs (RS4)**



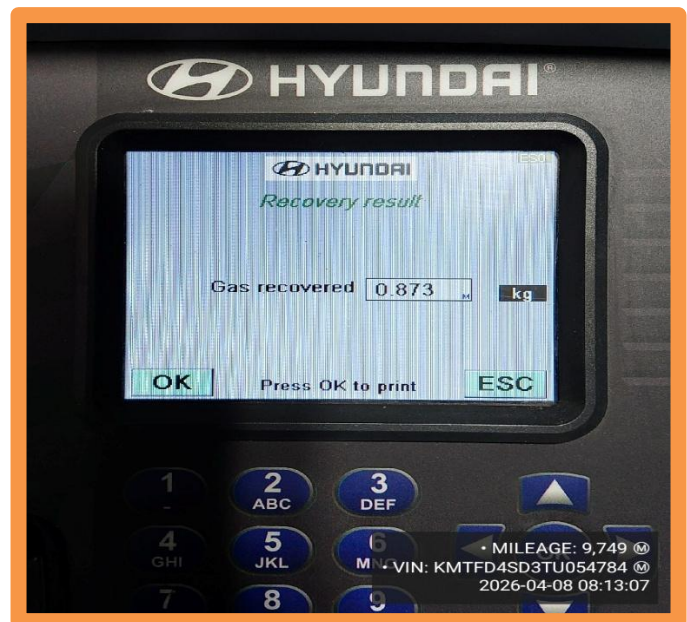
4.

DIGITAL DOCUMENTATION

Using the STUI camera function, take a photo of the recovered refrigerant value.

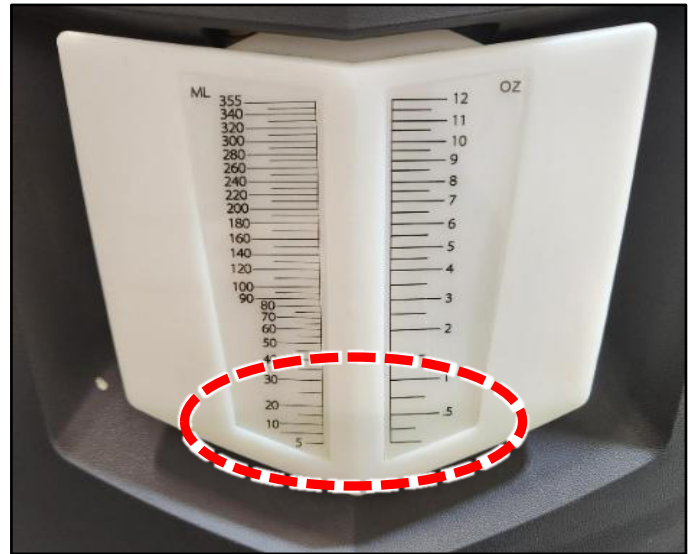
Upload the photo to STUI.

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

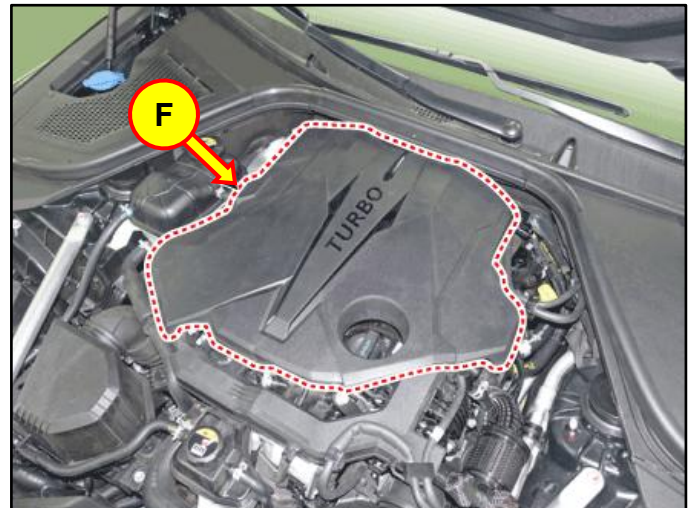


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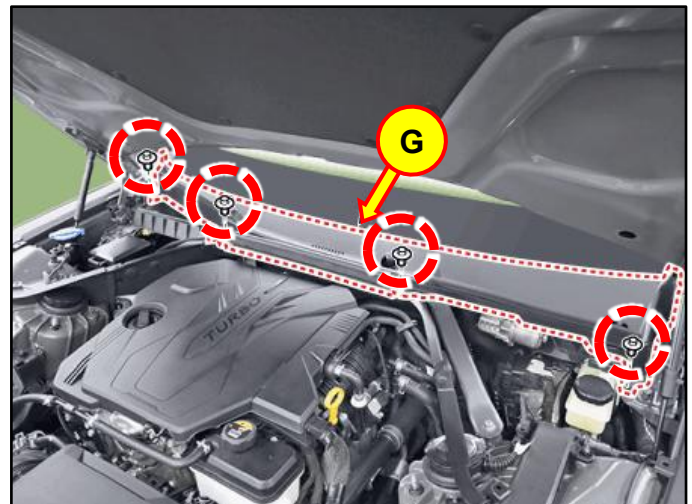
5. Measure and record the amount of PAG oil drained during recovery so the correct amount can be injected during the recharging process.



6. Disconnect the negative (–) battery terminal.
7. Remove the engine cover (F).

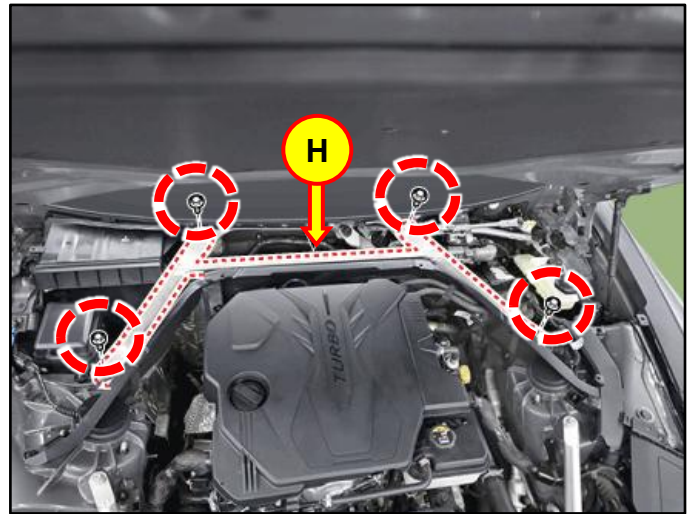


7. Remove the cowl top cover (G) by referring to the shop manual:
- **Body (Interior / Exterior / Electrical) > Exterior Green House > Cowl Top Cover Assembly > Removal and Installation**

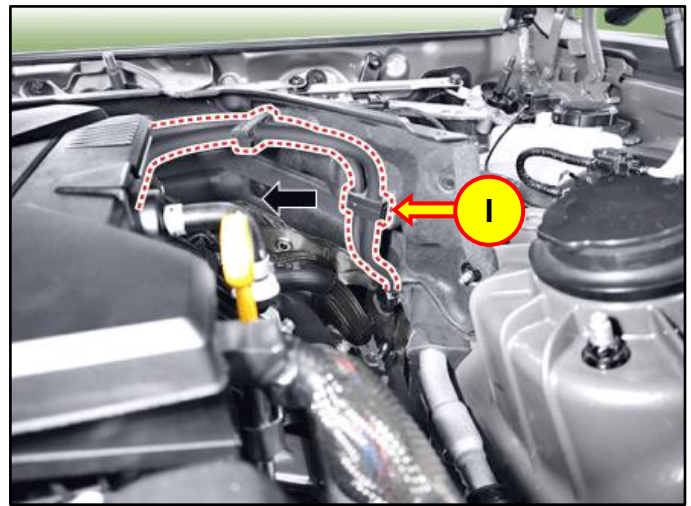


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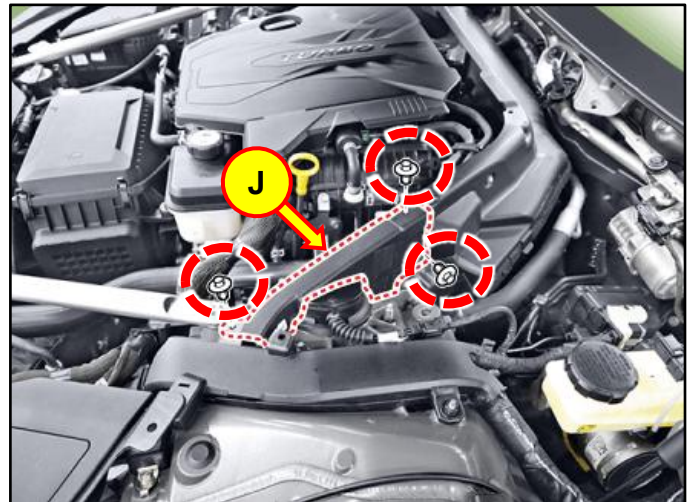
8. Remove **4** bolts, then remove the strut bar (H).



9. Detach the fuel line (I) from the partition wall.



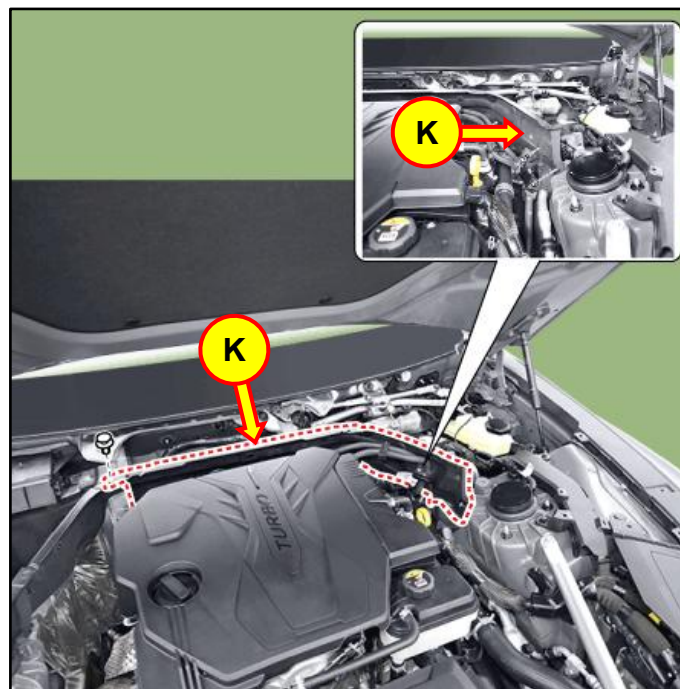
10. Remove **3** clips, then remove the side cover (J).



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11. Remove the nut and clips, then remove the engine partition wall (K).



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12. For vehicles equipped with a **3.5T GDI engine ONLY**:

Disconnect the RH MPI injector connector (L), and remove the bracket mounting bolt (M).

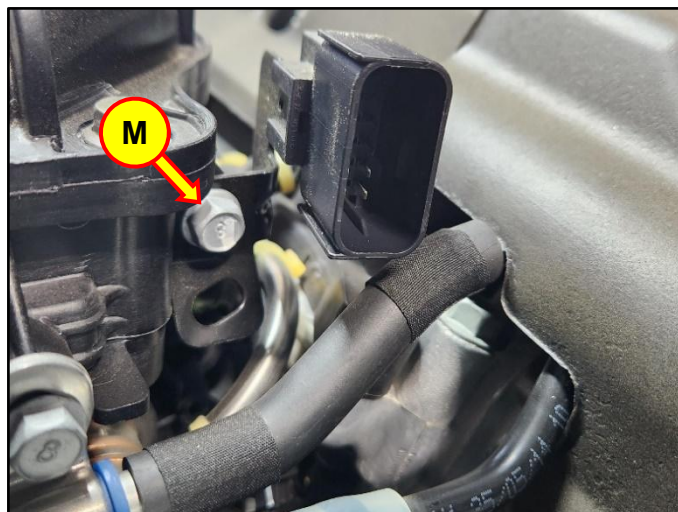
Tightening Torque:

lb-ft	8
lb-in	96
N.m	11

**Information**

Removing this component will provide unobstructed access to the TXV side bolt.

For all other models, proceed to **step 13**.

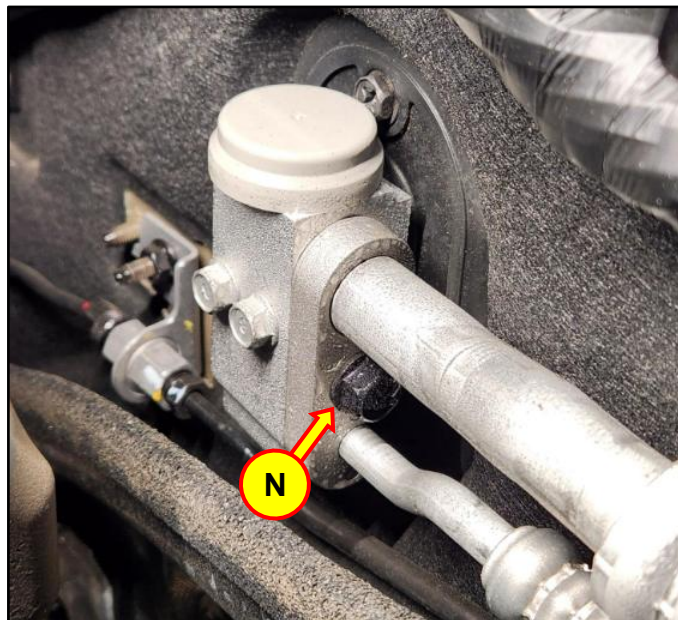


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13. Remove the TXV side bolt (N).

Tightening Torque:

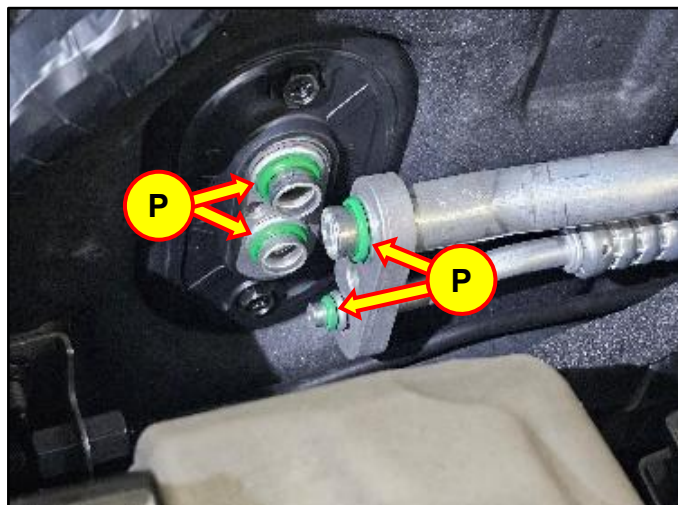
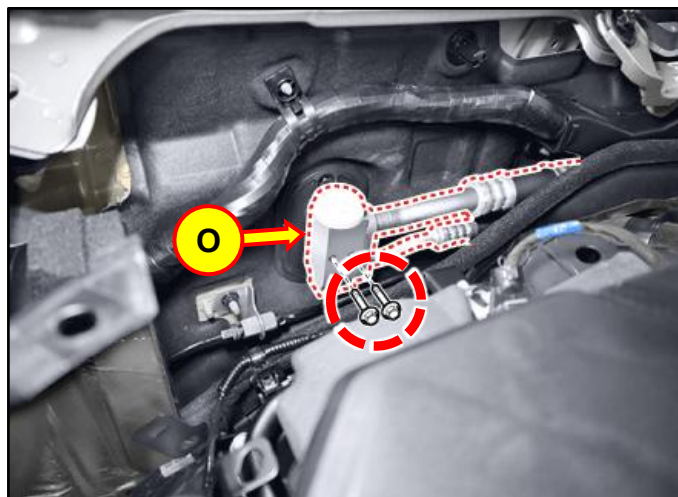
lb-ft	16
N.m	22



14. Remove 2 bolts, then remove the TXV (O) and O-rings (P).

Tightening Torque:

lb-ft	7.3
lb-in	88
N.m	9.8



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15.

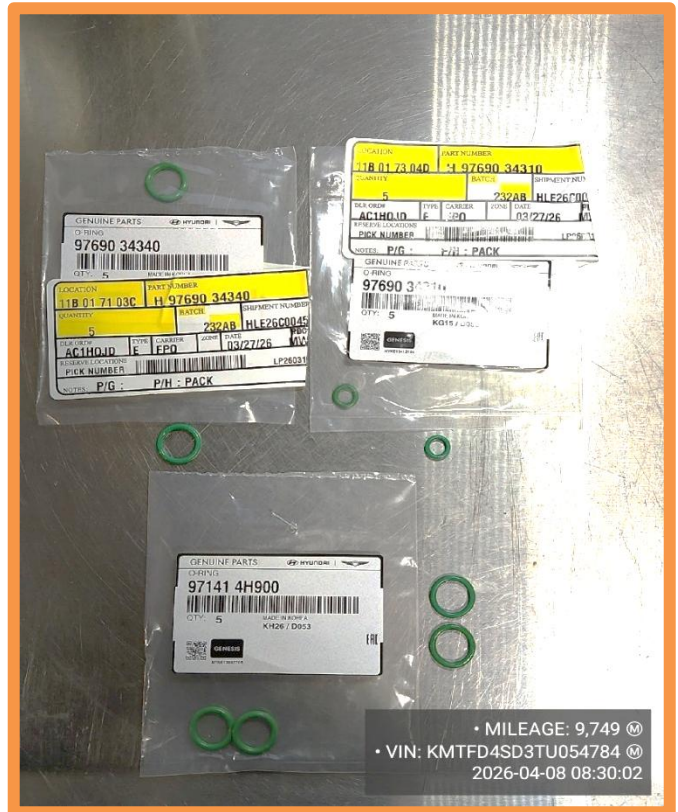
DIGITAL
DOCUMENTATION



Using the STUI camera function, take a photo of the original O-rings removed next to the new O-Rings in the bags.

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 the repair on a piece of paper in the photo.

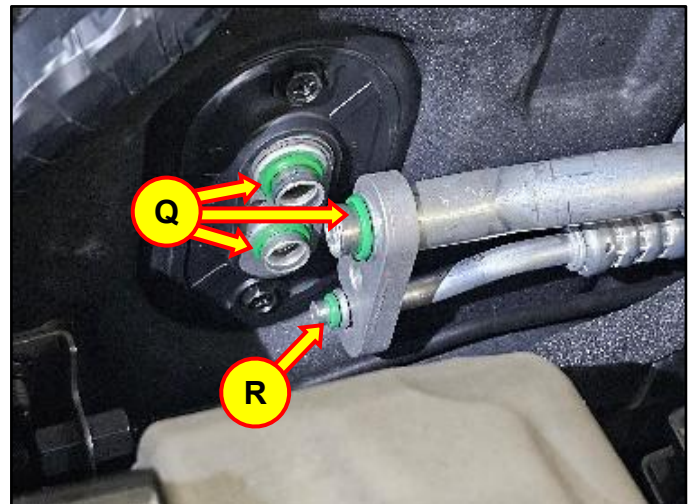
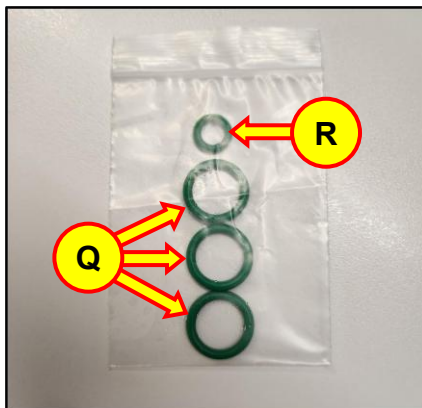


16. Replace the O-Rings with the new ones supplied in the service kit.



Information

- Evaporator Core & Upper Suction & Liquid Pipe (Q)
- Lower Suction & Liquid Pipe (R)



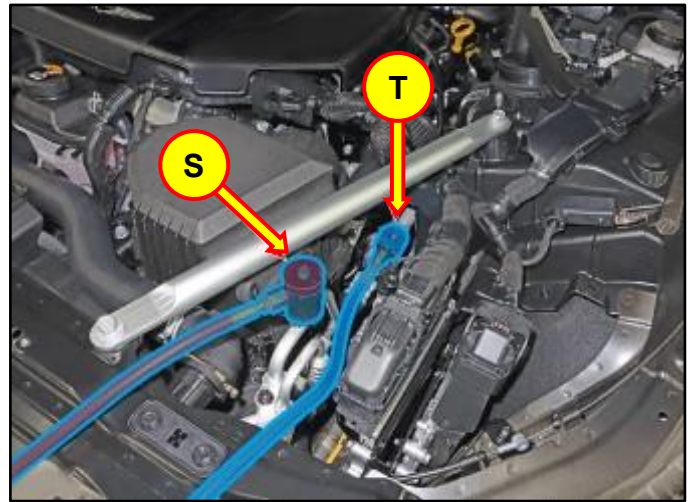
17. Reinstall all parts in the reverse order of the removal process.

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18. Connect the refrigerant recovery/recycling equipment to the high-pressure service port (S) and low-pressure service port (T).

Vacuum and recharge the A/C system by referring to the shop manual:

- **Heating, Ventilation and Air Conditioning > Air Conditioning System > Refrigerant Recovery / Recycling / Charging / Vacuum / Leak Test**
 - **Refrigerant System Vacuum Procedures**
 - **System Charging**



19. Use the R-1234YF PAG Oil Syringe Injection tool to add PAG Oil with UV Dye.

Inject the measured amount during recovery back into the vehicle; approx. **3~10 mL**.

**Information**

- Refrigerant Type: **R-1234YF**
- Refrigerant Capacity:
 - **630 ±25 g or 1.38 ±0.05 lbs (RG3)**
 - **700 ±25 g or 1.54 ±0.05 lbs (RS4)**

20. Turn **ON** the vehicle by pushing the START/STOP Button (SSB) and confirm proper operation of the A/C.
21. The service procedure is now complete.