



HYUNDAI

Technical Service Bulletin

GROUP RECALL	NUMBER 24-01-040H
DATE MAY 2024	MODEL(S) Elantra (CN7) Venue (QX) Kona (SX2)

SUBJECT: EGR VALVE ASSEMBLY & GASKET REPLACEMENT
(RECALL 260)

* IMPORTANT

Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, dealers must not deliver new vehicles for sale or for lease to customers until all open recalls have been performed. Dealers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into customer use and whenever an affected vehicle is in the shop for any maintenance or repair.

Access the "Vehicle Information" screen via WebDCS to identify open recalls.

Description: The exhaust gas recirculation ("EGR") valve assembly in certain vehicles (listed below) may contain a sensor that was contaminated with solder flux during manufacturing, which could potentially result in an electrical short. An electrical short within the EGR valve could lead to a malfunction of the EGR valve or crank position sensor, both of which reside on the same power circuit, resulting in Malfunction Indicator Lamp illumination (P240F, P404, P0405, P049D, P0642, P0652) and/or a sudden loss of motive power during operation. Follow the information below to replace the EGR valve assembly and gasket.

Applicable Vehicles (Certain):

- 2024MY Elantra (CN7) equipped with Nu 2.0L MPI produced from 01/11/2024–02/18/2024.
- 2024MY Venue (QX) equipped with Gamma 1.6L MPI produced from 01/12/2024–03/04/2024.
- 2024MY Kona (SX2) equipped with Nu 2.0L MPI produced from 01/12/2024–02/08/2024.

Parts Information:

Model	Part Name	Part Number	Remarks
Venue (QX)	EGR Valve Assembly (includes one gasket)	28410-2M330QQH	Both parts are required to perform the full repair. QTY 1 needed for both.
	Gasket	28492-2M100QQH	
Elantra (CN7) Kona (SX2)	EGR Valve Assembly (includes one gasket)	28400-2J310QQH	Both parts are required to perform the full repair. QTY 1 needed for both.
	Gasket	28492-2J000QQH	

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Venue (QX)	41D066R0	EGR Valve Assembly and Gasket Replacement	0.6 M.H	28410-2J310	W11	ZZ7
Elantra (CN7)	41D066R1		0.7 M/H	28410-2M330		
Kona (SX2)	41D066R2		0.7 M/H	28410-2M330		

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 recall 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:

STUI



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

i Information

Refer to the QR code or link below for guided video information:

<https://vimeo.com/946642669/4df88c793d>

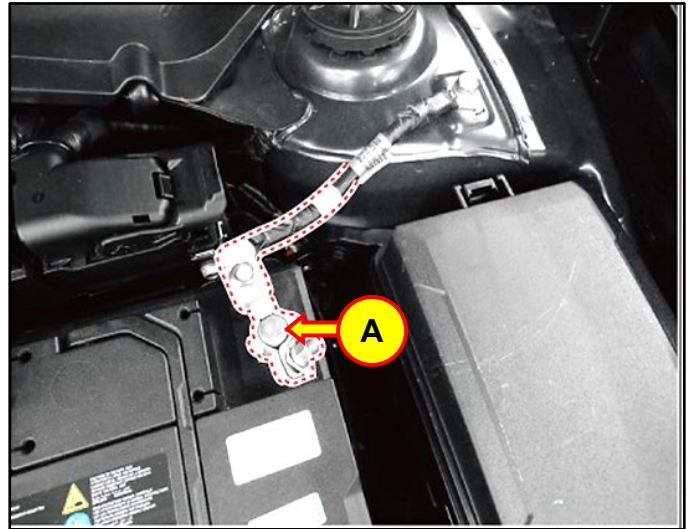


EGR Valve Assembly & Gasket Replacement – Venue (QX)

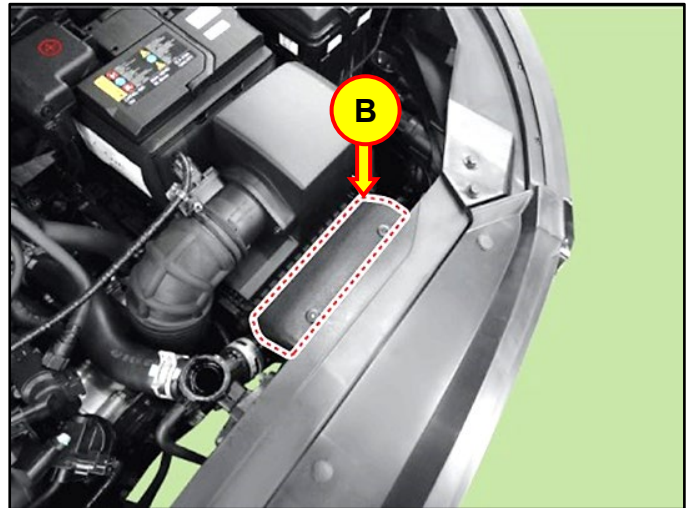
1. Turn **OFF** the ignition and disconnect the negative (-) battery terminal (A). Record customer preset stations if applicable.

Tightening Torque:

lb-ft	6.5
lb-in	78
N.m	8.8



2. Remove the air duct (B).

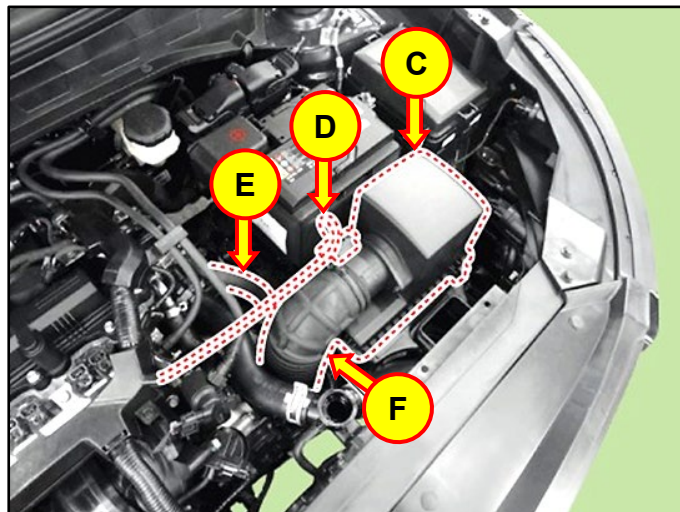


3. Remove the air cleaner assembly (C).

Tightening Torque:

lb-ft	3.6
lb-in	43.2
N.m	4.9

Disconnect the air flow sensor (AFS) connector (D), breather hose (E), and intake air hose (F).

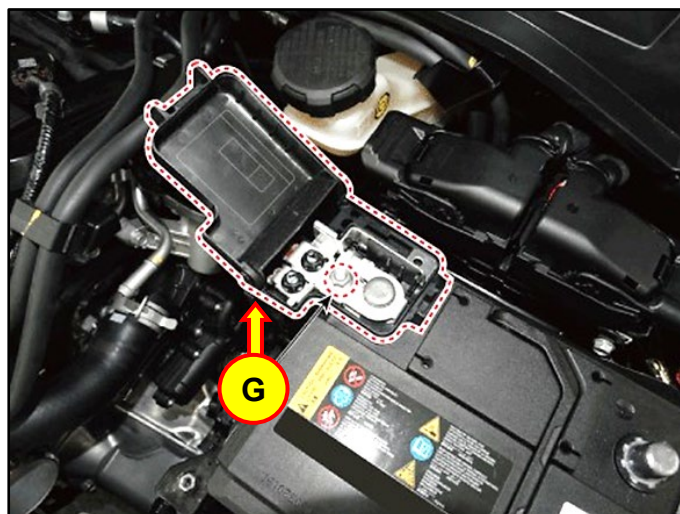
**Tightening Torque:**

lb-ft	2.9
lb-in	34.8
N.m	3.9

4. Remove the positive (+) battery terminal (G).

Tightening Torque:

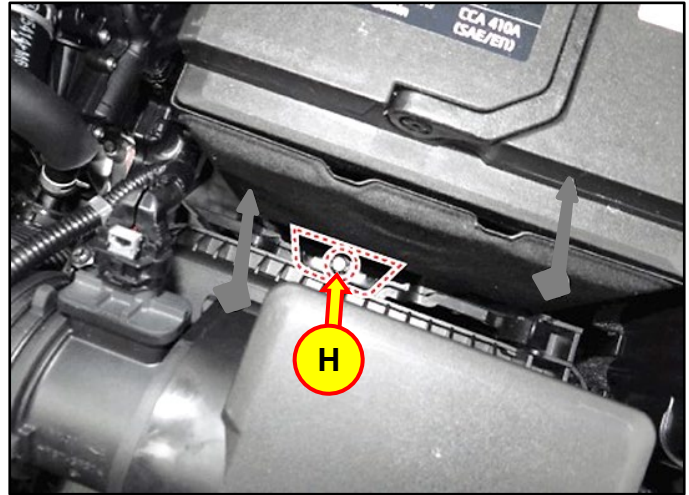
lb-ft	6.5
lb-in	78
N.m	8.8



5. Remove the mounting bracket bolt (H) and remove the the battery.

Tightening Torque:

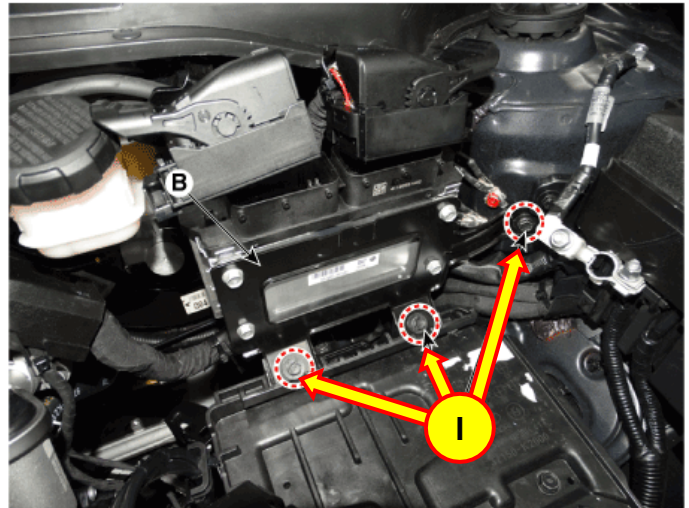
lb-ft	8.5
lb-in	101.4
N.m	11.5



6. Remove the bracket installation bolts (I) and remove the ECM.

Tightening Torque:

lb-ft	8.5
lb-in	101.4
N.m	11.5



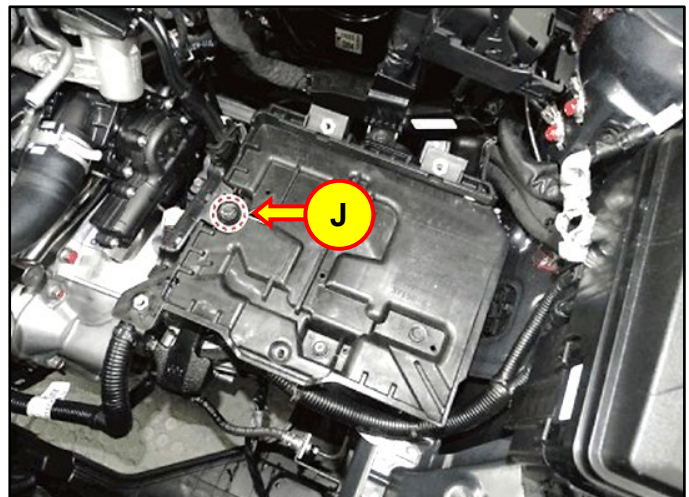
7. Remove the bolt (J) and remove the positive (+) battery terminal bracket.

i Information

Properly position the mounting bracket to the tray when installing the battery.

Tightening Torque:

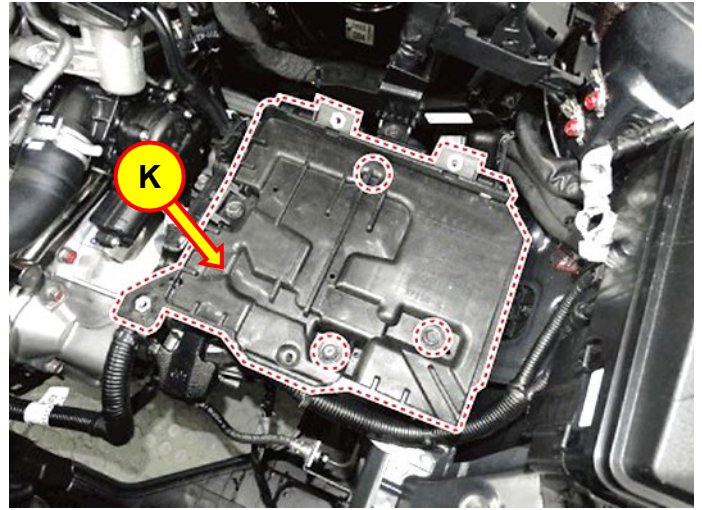
lb-ft	6.5
lb-in	78
N.m	8.8



8. Remove the bolts and remove the battery tray (K).

Tightening Torque:

lb-ft	8.5
lb-in	101.4
N.m	11.5



SUBJECT: EGR VALVE ASSEMBLY & GASKET REPLACEMENT (RECALL 260)

9. Disconnect the EGR connector and remove the EGR pipe mounting bolts (L).

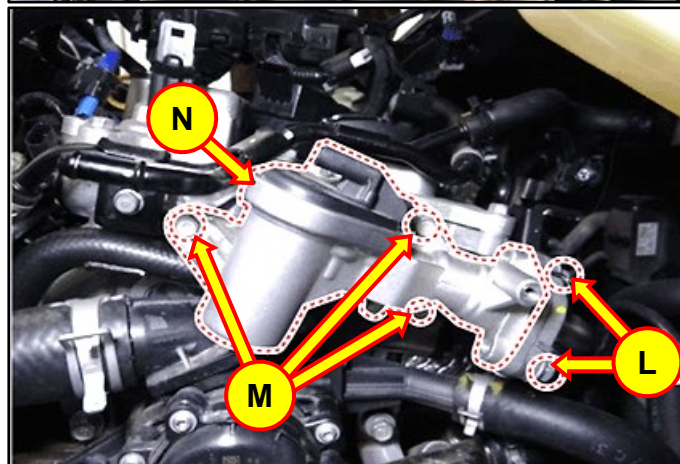
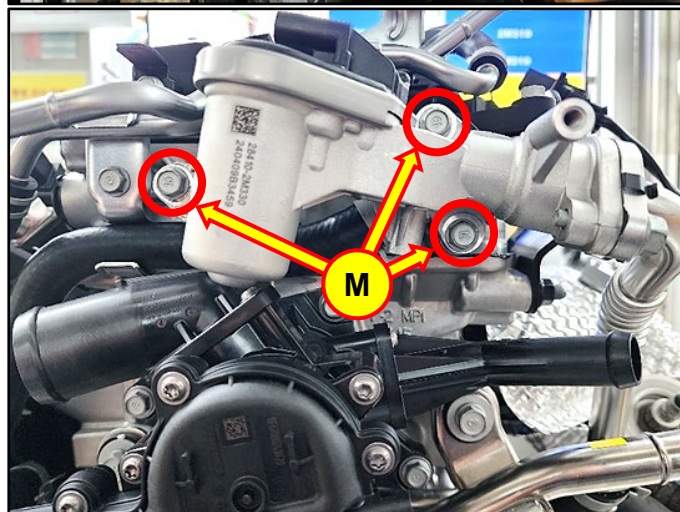
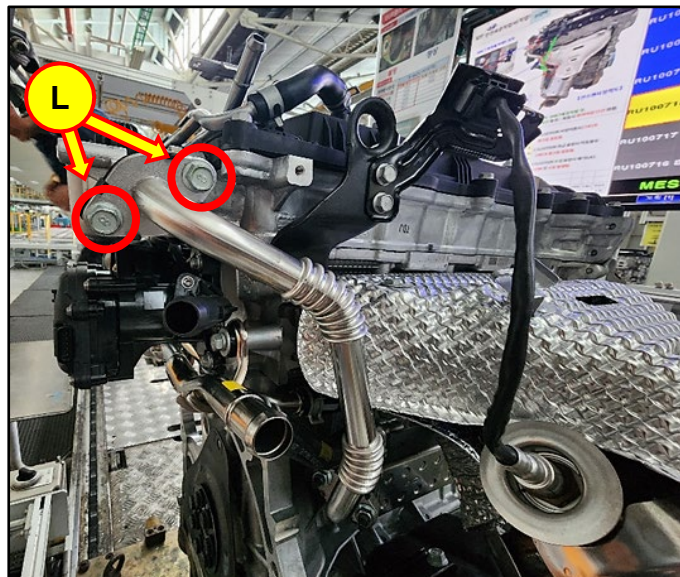
Tightening Torque:

lb-ft	16
N.m	22

Remove the EGR control valve mounting bolts (M) and remove the EGR valve (N).

Tightening Torque:

lb-ft	10.1
N.m	14



10. Install the supplied EGR valve and gasket.

NOTICE

Install components with the specified torque.

Inspect component before use; dropping components may cause internal damage.

Prevent foreign material from entering the valve.



Information

Orient the EGR pipe gasket as shown in photo.



11. Reinstall parts in the reverse order of the removal process.

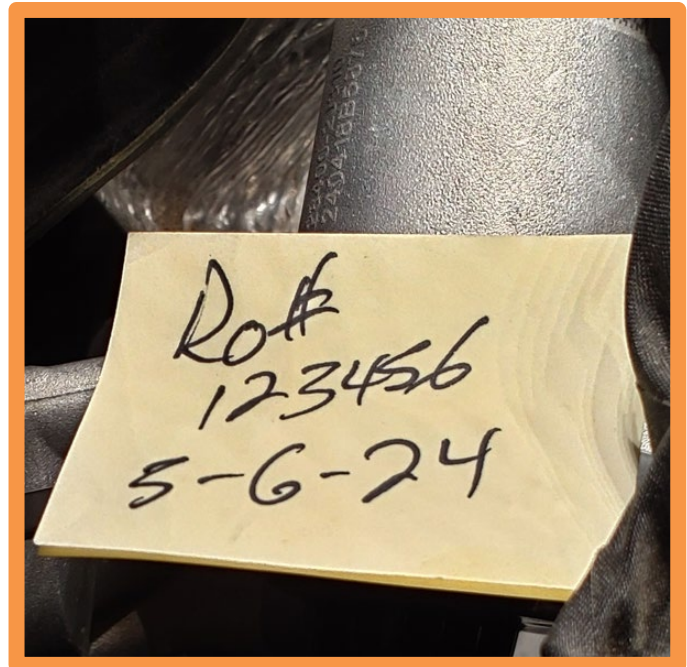
- 12.

STUI



Using STUI, take a photo of the newly installed EGR Valve capturing the production stamp with the last 6 digits of the VIN and the date of the repair on piece of paper.

Upload the photo to STUI.

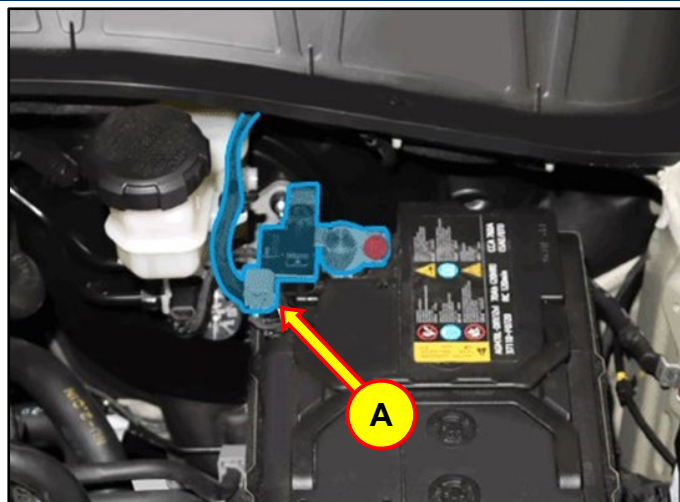


EGR Valve Assembly and Gasket Replacement – Elantra (CN7) & Kona (SX2)

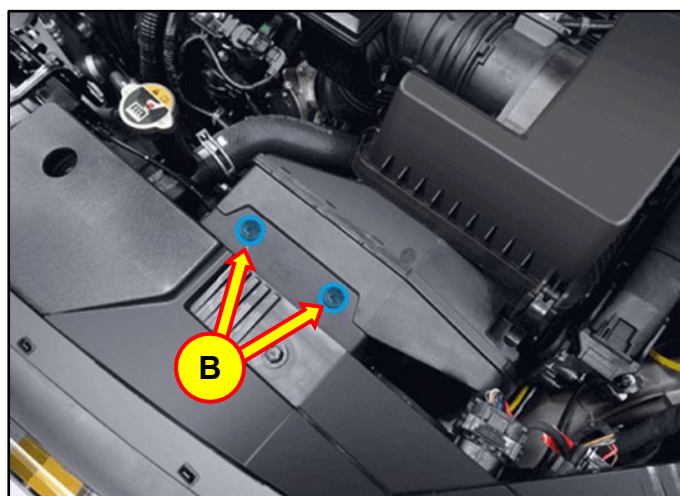
1. Disconnect the negative (-) battery terminal (A). Record customer preset stations if applicable.

Tightening Torque:

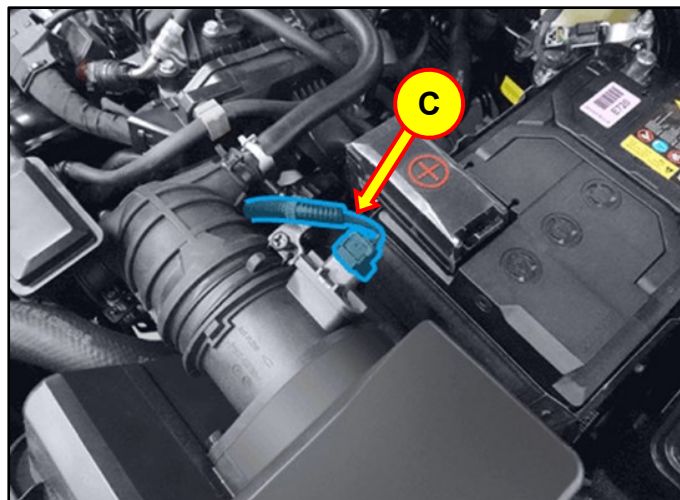
lb-ft	6.5
lb-in	78
N.m	8.8



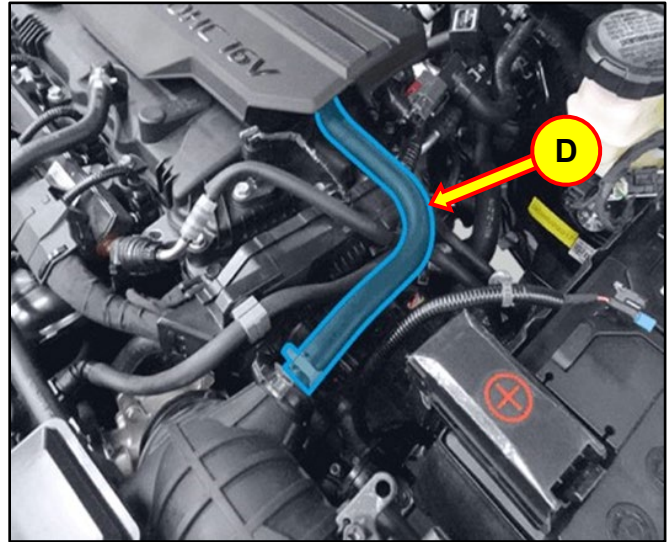
2. Remove the air duct clip (B).



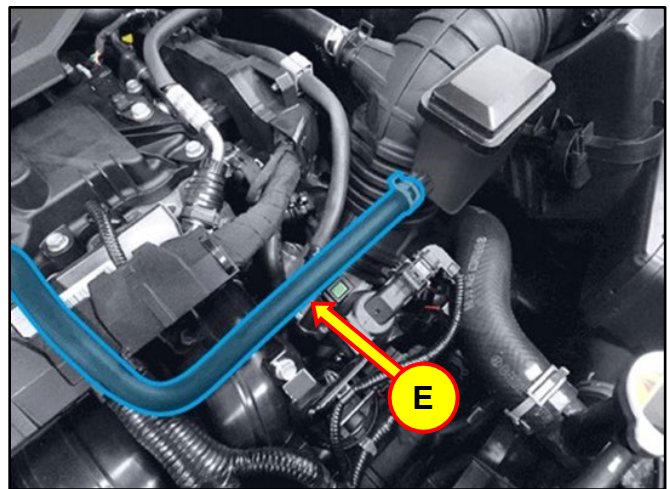
3. Disconnect the air flow sensor (AFS) connector (C).



4. Disconnect the breather hose (D).



5. Disconnect the fresh air hose (E).



6. Disconnect the air intake hose assembly from the throttle body assembly. (F)

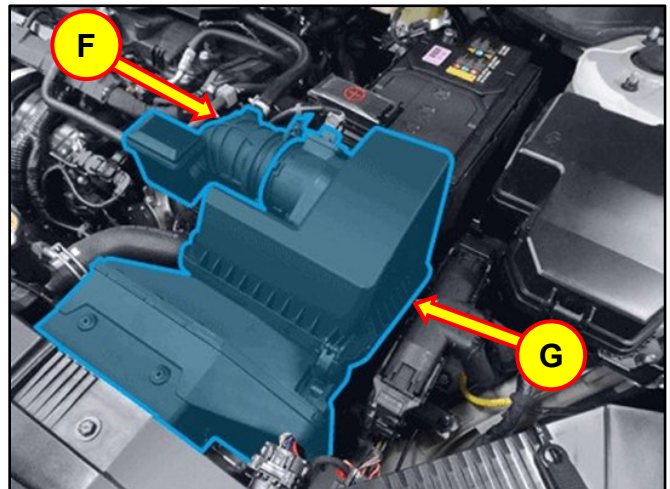
Tightening Torque:

lb-ft	2.9
lb-in	34.8
N.m	3.9

Remove the air cleaner assembly (G).

Tightening Torque:

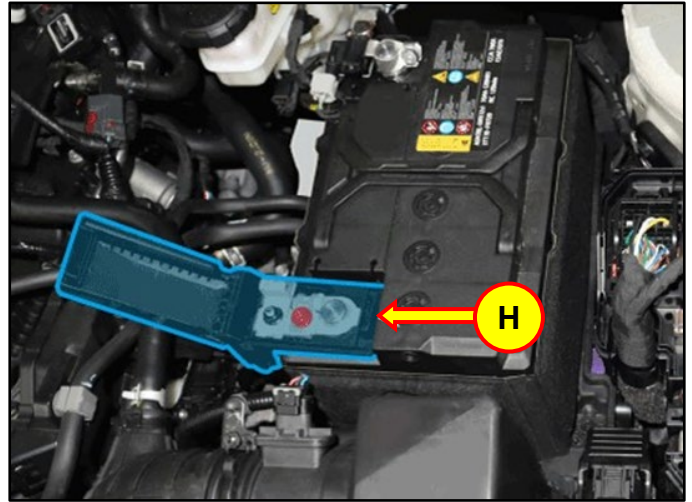
lb-ft	6.5
lb-in	78
N.m	8.8



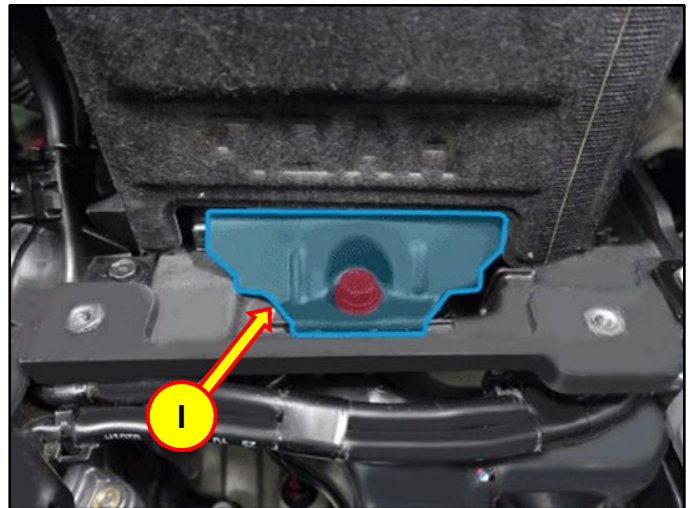
7. Open the cover and disconnect the positive (+) battery terminal (H).

Tightening Torque:

lb-ft	6.5
lb-in	78
N.m	8.8



8. Loosen the bolt and remove the battery mounting bracket (I).



9. Remove the battery (J).



10. Refer to the shop manual to remove the battery and battery tray (K):
- **Engine Electrical System > Charging System > Battery > Repair procedures**

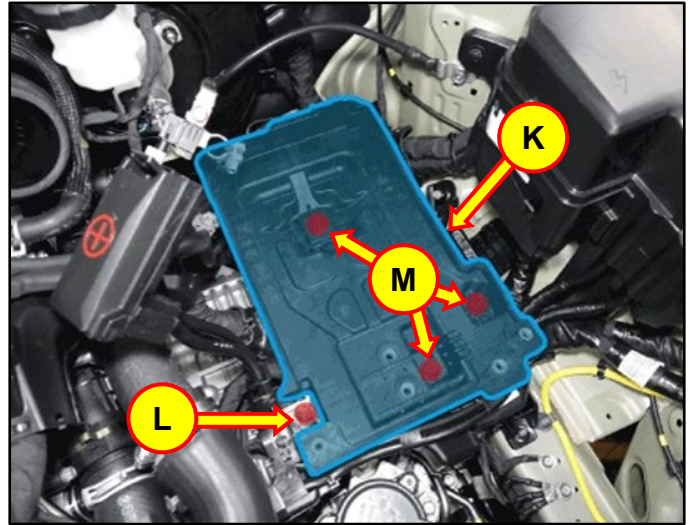
Remove the positive (+) terminal wiring bolt (L).

Tightening Torque:

lb-ft	6.2
-------	-----

lb-in	73.8
-------	------

N.m	8.4
-----	-----



Remove the bolt and remove the battery tray(M).

Tightening Torque:

lb-ft	8.3
-------	-----

lb-in	99.6
-------	------

N.m	11.3
-----	------

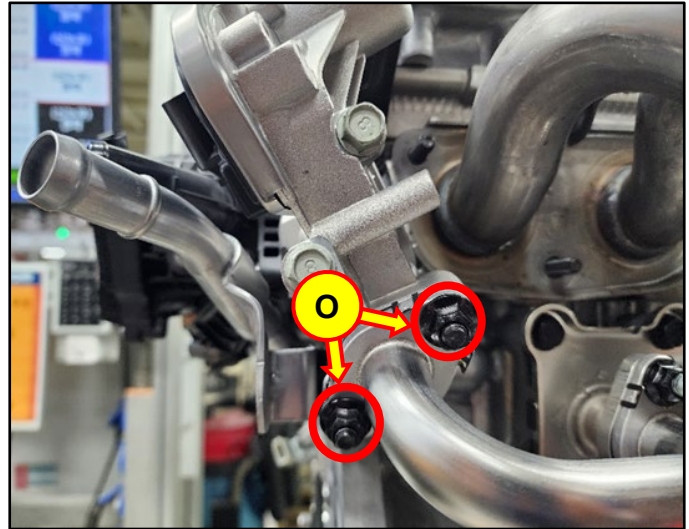
11. Disconnect the EGR control valve connector (N).



12. Remove the EGR cooler pipe mounting nuts (O).

Tightening Torque:

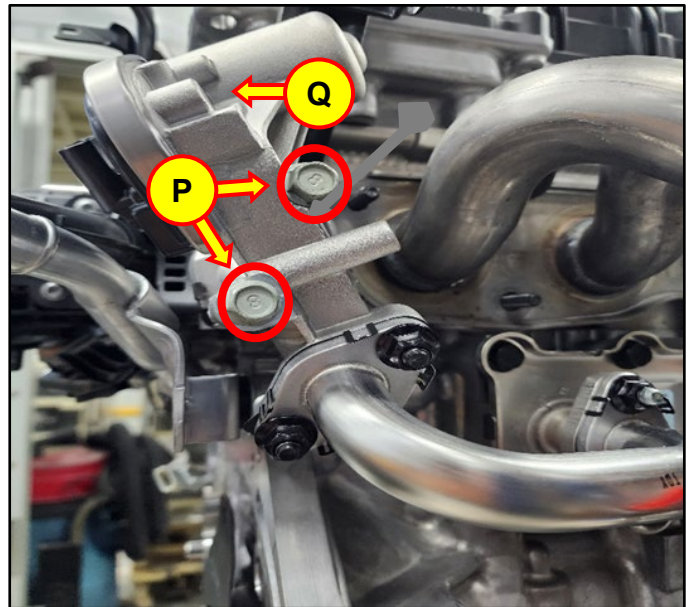
lb-ft	16
N.m	22



13. Remove the bolts (P) and remove the EGR control valve (Q).

Tightening Torque:

lb-ft	16
N.m	22



14. Install the supplied EGR valve and gasket.



15.

i Information

Mount the EGR pipe gasket before installing the EGR valve assembly.

Tighten the EGR control valve to the specified torque.

Avoid dropping the EGR control valve to prevent internal damage. Do **NOT** use if damaged.

Prevent foreign substances from entering the EGR control valve.

Orient the EGR pipe gasket as shown in photo.



Reinstall components in the reverse order of the removal process.

16.

STUI



Using STUI, take a photo of the newly installed EGR Valve capturing the production stamp with the last 6 digits of the VIN and the date of the repair on piece of paper.

Upload the photo to STUI.

