



GROUP	MODEL
Voluntary Emissions Service Campaign	2024MY Sportage HEV (NQ5 HEV)
NUMBER	DATE
SC293	April 2024

## VOLUNTARY EMISSION SERVICE CAMPAIGN

### FUEL INJECTOR HARNESS INSPECTION AND REPLACEMENT (SC293)

SUBJECT:

This bulletin provides information to inspect and if necessary, replace the fuel injector wire harness on certain 2024MY Sportage HEV (NQ5 HEV) vehicles equipped with a GAMMA II 1.6L T-GDI engine, produced from November 15, 2023 through November 20, 2023. The subject vehicles may have been assembled with a fuel injector harness that can cause a poor electrical terminal connection. A poor connection can cause uneven fuel delivery to the engine, affecting engine performance and emissions. Follow the procedure outlined in this publication to install a new fuel injector harness on the applicable vehicle. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

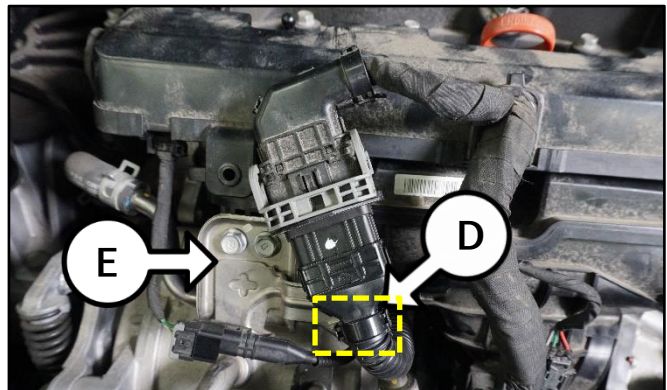
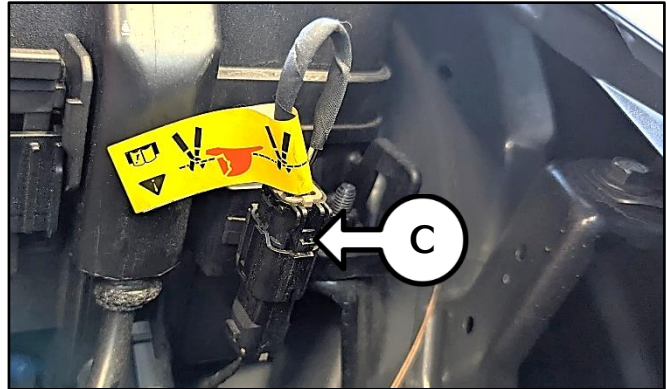
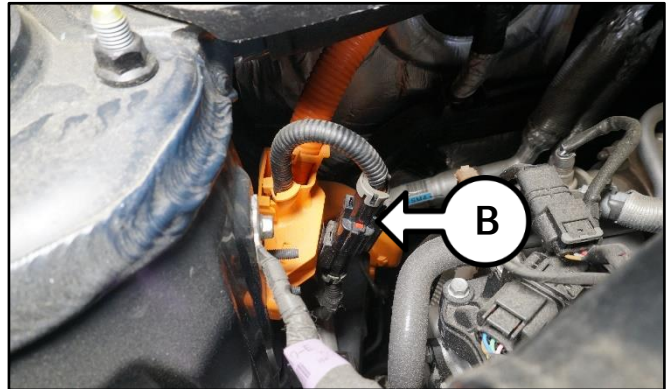
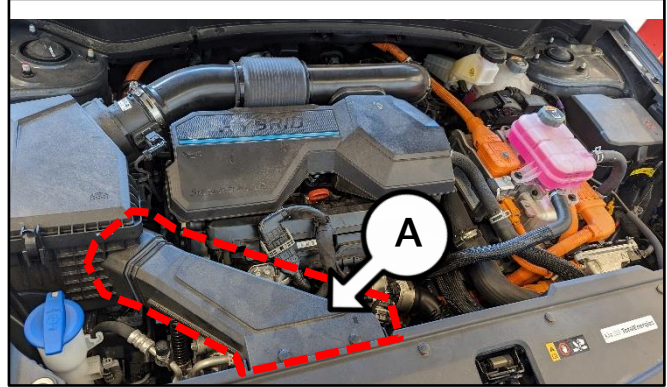


#### NOTICE

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.

**Inspection Procedure:**

1. Open the hood.
2. Remove the air intake duct (A).
3. Disconnect the positive (+) battery connector (B).
4. Disconnect the interlock connector (C).
5. Detach the fuel injector harness (D) clip from the retaining bracket (E).

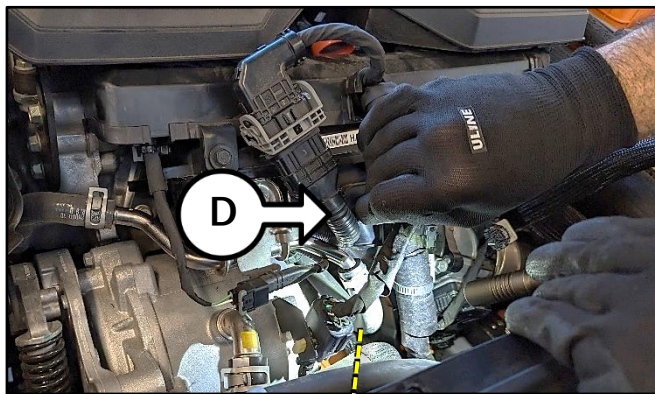


SUBJECT:

# FUEL INJECTOR HARNESS INSPECTION & REPLACEMENT (SC293)

6. Locate the fuel injector harness (D) label (F) in the area shown.

Note: Depending on the location, you may need to gently twist the harness to view the numbering on the label.

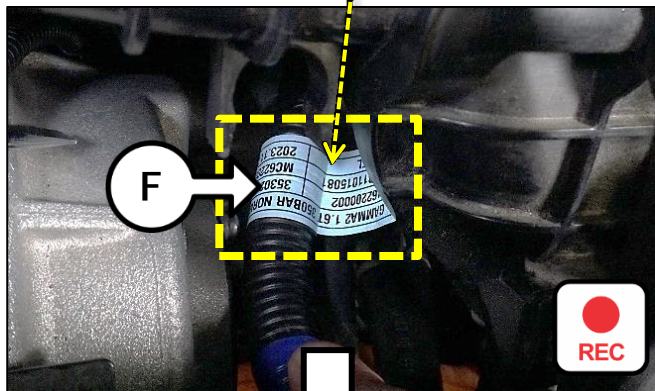


7. Write down the fuel injector harness LOT number on the label (F).

(Example: 2023 11 02 4528)

YYYY MM DD XXXX (manufacturing number)

November 02, 2023 (LOT 4528)



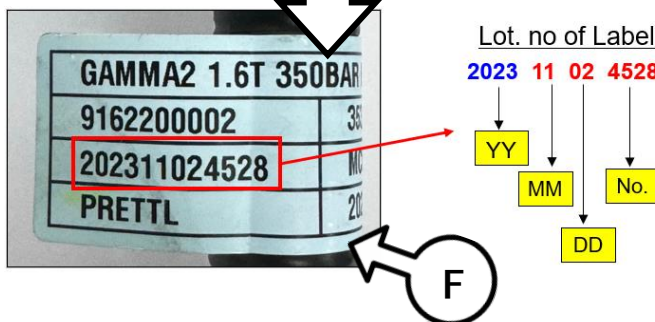
**NG:** 2023.11.02 3851--4689 and 2023.11.04 3569—3580

Nov. 02, 03, 04, of 2023 (LOT 3569-3580)

- If the inspection result is **(NG)**, record a KVID video starting from the VIN label on the door and then showing the **(NG)** LOT number on the label, then proceed to the 'Replacement Procedure' on page 4.

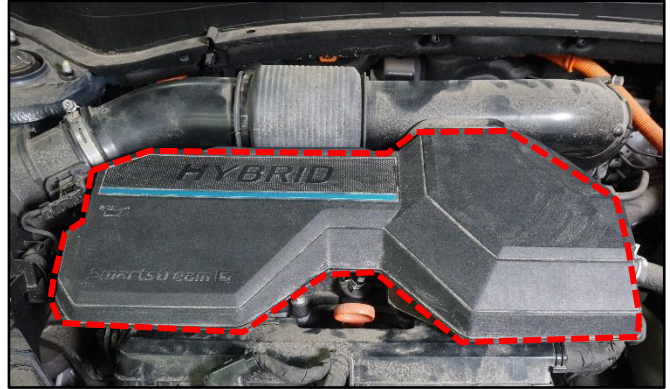
**OK:** ALL other LOT numbers not represented in the parts range above.

- If the inspection result is **(OK)**, reinstall all removed parts in the reverse order of removal and proceed to page 7.



**Replacement Procedure:**

1. Remove the engine room cover.



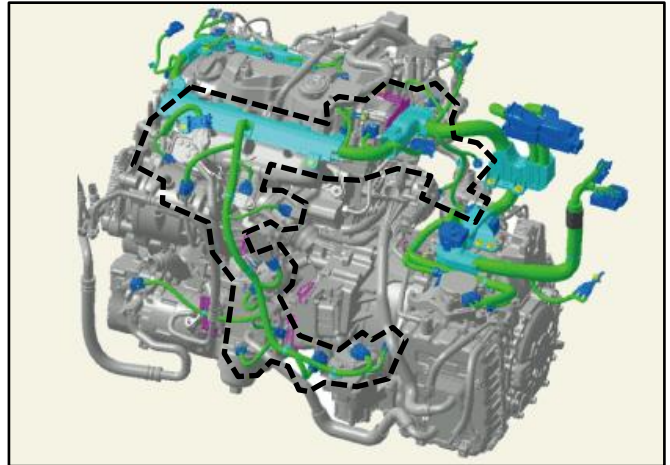
2. Loosen the three (3) wiring harness retaining bolts.



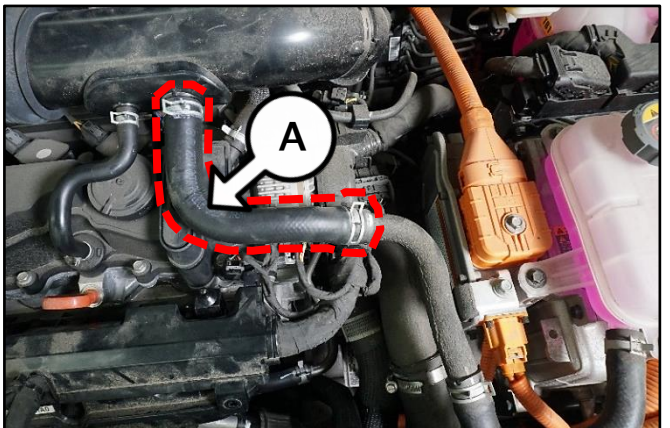
Tightening torque for bolts:  
5.1 - 7.2 lb.ft (6.9 -9.8 N.m)



3. Disconnect all of the wire harness connectors shown inside of the black dotted line area.



4. Remove the RCV hose (A).



SUBJECT:

**FUEL INJECTOR HARNESS INSPECTION & REPLACEMENT (SC293)**

5. Remove the intercooler outlet pipe (B).



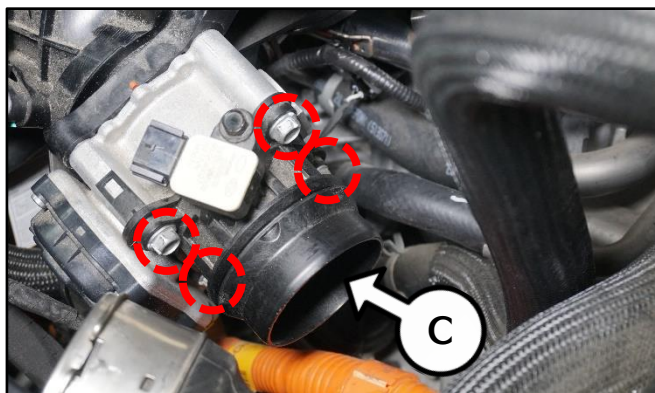
6. Remove the electronic throttle control (ETC) module (C) by loosening the four (4) retaining bolts.



Tightening torque for bolts (C):  
7.2 - 8.7 lb.ft (9.8 - 11.8 N.m)

**ⓘ IMPORTANT**

The ETC mounting gasket is not reusable. Install new gasket(s) in reassembly.



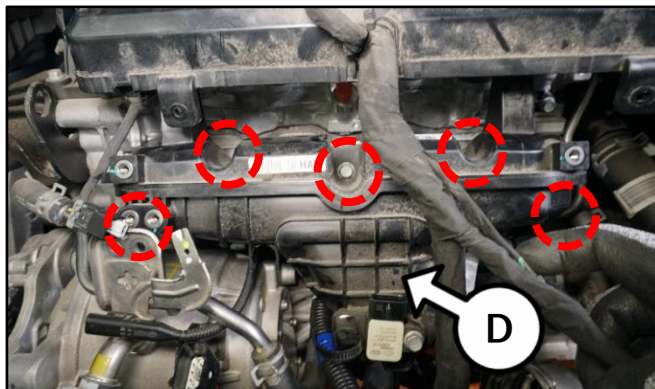
7. Remove the intake manifold (D) by loosening the five (5) retaining bolts.



Tightening torque for bolts (D):  
13.7 - 17.4 lb.ft (18.6 - 23.5 N.m)

**ⓘ IMPORTANT**

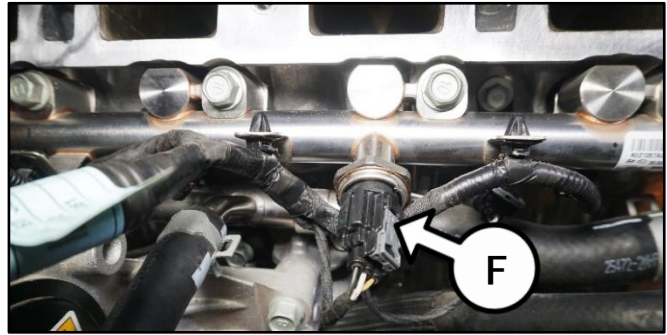
Intake manifold mounting gaskets are not reusable. Install new gasket(s) during reassembly.



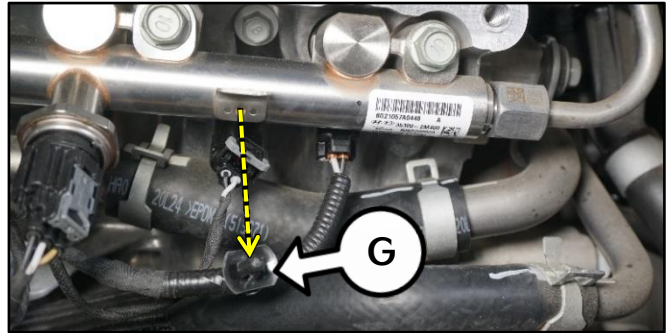
8. Remove the injector foam pad (E).



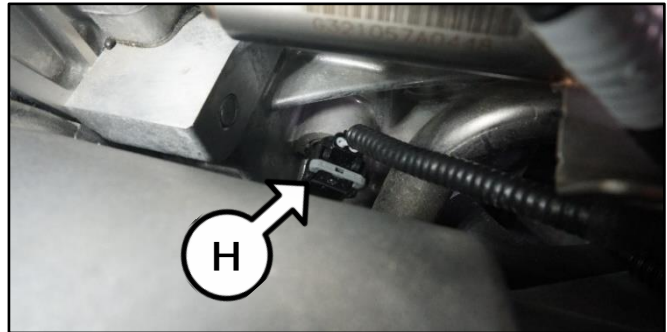
9. Disconnect the fuel rail pressure sensor connector (F).



10. Detach the coolant temperature sensor clip (G) from the fuel rail bracket.



11. Disconnect the coolant temperature sensor connector (H) at the cylinder block side.



12. Remove the existing fuel injector harness (I) by disconnecting the four (4) injector connectors.

13. Install the new fuel injector harness (D) in the reverse order of removal.

**Note:** Use a long thin screwdriver/pick to unclip injector connectors. Fuel injector #1 connector is marked with a white tape end.



14. Reinstall all removed parts in the reverse order of removal.



Injector #1 Connector



Unclipping

15. Confirm normal vehicle operation.

**Note:** Refer to page 7 (for applicable states).






SUBJECT:

**FUEL INJECTOR HARNESS INSPECTION & REPLACEMENT (SC293)**

**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Sportage HEV (NQ5 HEV)	November 15, 2023 to November 20, 2023

**REQUIRED PART:**

Part Name	Part Number	Figure	Qty.
Campaign Completion Label	UT160 SC293		1
Vehicle Emissions Recall Proof of Correction Card	UT161 SC293		1
Fuel Injector Harness	35302 2M400QQK		1
Intake Manifold Gaskets	28411 2M100QQK	N/A	2
	28314 2M800QQK		1
ETC Gasket	28313 2M100QQK		

**NOTE:** Completion Label and Proof of Correction Card only required for vehicles registered in CA, CT, DE, MA, MD, ME, NJ, NY, OR, PA, RI, VT, and WA "States" only. The replacement QQK part numbers will require a VIN entry for parts ordering. DO NOT order these parts for stocking purposes, related to this Campaign.

**WARRANTY INFORMATION:**

**N Code: N99 C Code: C99**

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	35302 2M400	0	(SC293) Fuel Injector Harness Inspection	240003R1	0.3 M/H	N/A	0
			(SC293) Fuel Injector Harness Inspection + Replacement	240003R2*	0.8 M/H	35302 2M400QQK	1
						28411 2M100QQK	2
						28314 2M800QQK	1
						28313 2M100QQK	1

**Note:** Refer to [Warranty Bulletin 2024-16](#) for claim submission procedures. A KVID Video recording of the **NG** condition is required for labor op 240003R2. If a KVID video for the **NG** condition is not created as described in this TSB, Warranty claim submission issues will occur. All claims are subject to review and Warranty chargeback. Manually enter sublet code 'X2' for reimbursement of one roundtrip rideshare expense or up to three (3) days of rental expense, with supporting documentation.

**NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC293** when accessing the KDealer+ system.

