



HYUNDAI Technical Service Bulletin

GROUP FUEL SYSTEM	NUMBER 24-FL-006H
DATE OCTOBER 2024	MODEL(S) SEE BELOW

SUBJECT: T-GDI INJECTOR REPLACEMENT DUE TO MISFIRE DTC(S)

Description: Certain vehicles equipped with a 2.0L T-GDI Theta II engine may exhibit one or more misfire DTCs due to the injectors leaking internally. This may be caused by internal filter breakage in the injector. Follow the procedure in this TSB to replace all 4 injectors on affected vehicles, using the kit in the Parts Information section.

Possible misfire DTCs: P0300, P0301, P0302, P0303, P0304

Applicable Vehicles with 2.0L T-GDI engines:


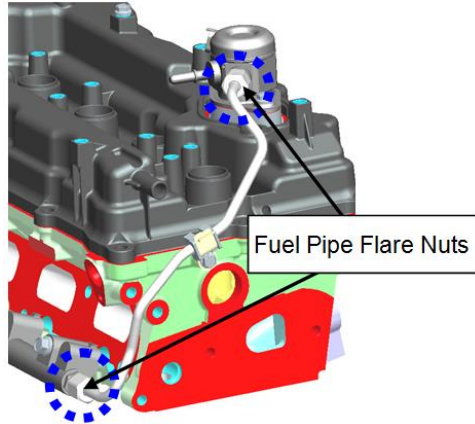
- 2022MY Elantra N (CN7 N) produced from 09/15/2021 – 07/01/2022 (VIN starts with KMH)
- 2022MY Kona N (OS N) produced from 10/05/2021 – 06/16/2022
- 2021-2022MY Veloster N (JS N) produced from 01/05/2021 – 07/15/2022

Parts Information:

Part Name	Part Number	Figure	Remarks
Fuel Injector Kit (contents below)	35399-2G033QQH		Use 1 Kit per vehicle
1. Fuel Injector – GDI	35310-2GHB0		Qty: 4
2. Clip – Fuel Injector	35309-04AA0		Qty: 4
3. Pipe – High Pressure	35305-2GPD0		Qty: 1
4. Gasket – Intake Manifold	28411-2GTB0		Qty: 1
5. Gasket – Throttle Body	28312-2E000		Qty: 1

NOTE: Kits received may contain two additional intake manifold gaskets and a throttle body gasket (#5) which is **NOT** needed for this TSB. These may be discarded as they are **NOT** to be used for this repair.

SST Information:

Tool Name	Tool #	Figure	Remarks
Torque Wrench Socket	09314-3Q100		 <p>For tightening the flare nuts on both ends of the high pressure fuel pipe.</p>

NOTE 1: All dealers previously received this tool as part of the dealer's essential tool kit.

NOTE 2: Additional SST tools can be ordered through Snap-on at Hyundaitools@snapon.com or hyundaiesentialtools.com.

NOTE 3: If further assistance is required, please contact hyundaitools@hmausa.com.

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
Elantra N (CN7 N)	40D108R0	GDI Fuel Injector Replacement (ALL 4)	1.6 M/H	35310-2GHB0	W17	ZZ5
Kona N (OS N)	40D108R1		1.7 M/H			
Veloster N (JS N)	40D108R2		1.8 M/H			

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

NOTE 2: Take a picture as instructed on **page 7**. Op times include VIN, Mileage, and Repair validation photo(s) as outlined in the Digital Documentation Policy.

NOTE 3: 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 4: If a part is found in need of replacement while performing this TSB 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.

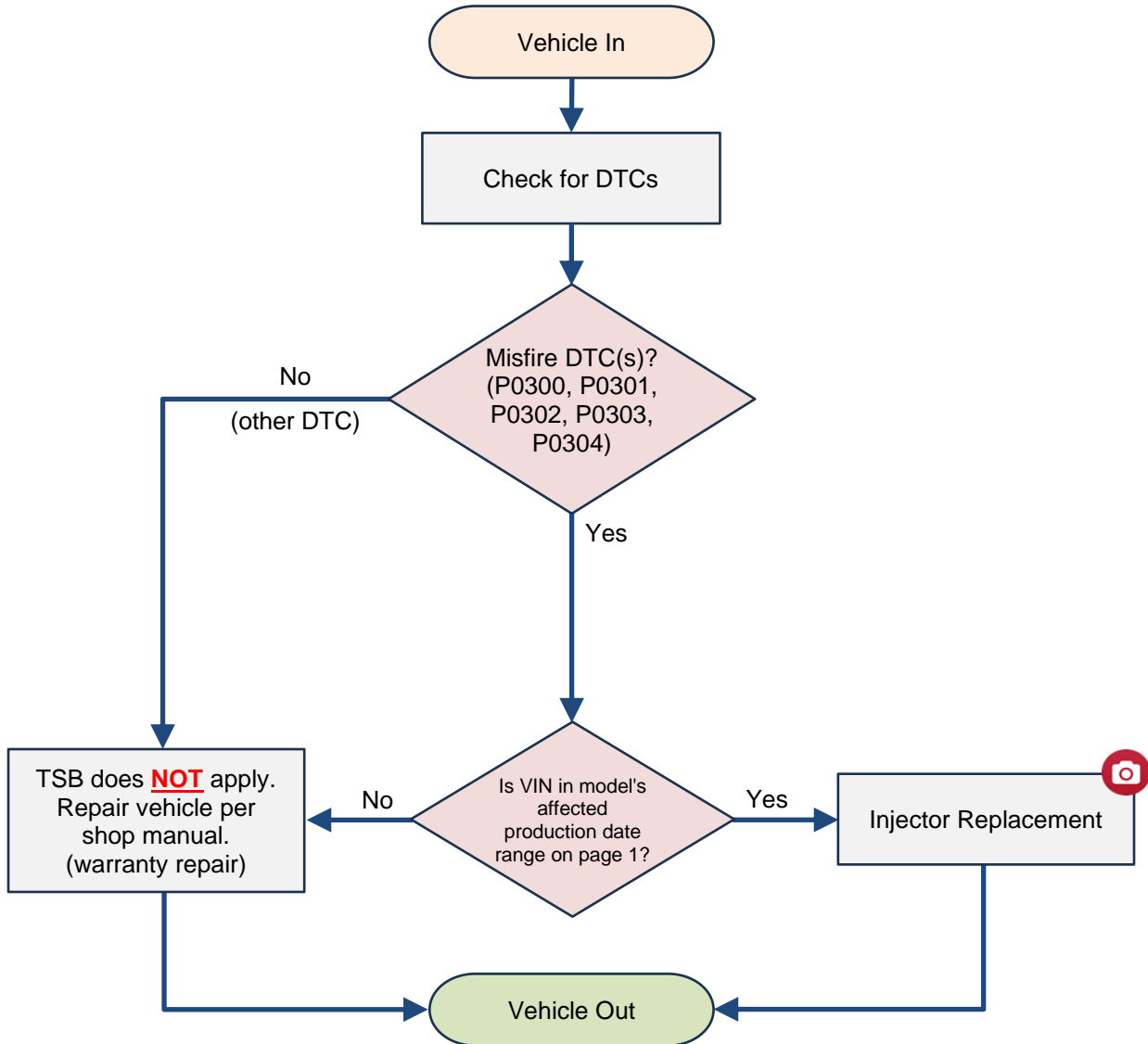
Service Procedure:

STUI



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

Service Procedure Flowchart:



DTC Inspection

Perform a Fault Code Search for one or more of the following misfire DTCs:

- **P0300, P0301, P0302, P0303, P0304**

If one or more of these are found, and vehicle falls within the Applicable Vehicle range, proceed to **Injector Replacement**.

If none of these DTCs are found, and/or vehicle is **NOT** within the Applicable Vehicle range, then this TSB does **NOT** apply. Continue with normal diagnosis and repair.

Injector Replacement

1. Record customer's radio presets, if applicable, then turn ignition **OFF** and disconnect the negative (-) battery cable.

 **CAUTION**

To avoid injury from leakage of high pressure fuel, do **NOT** remove the following components right after engine is turned **OFF**:

- High Pressure Fuel Pump
- High Pressure Fuel Pipe
- Delivery Pipe
- Injectors

2. Release the Residual Pressure in the Fuel Line.

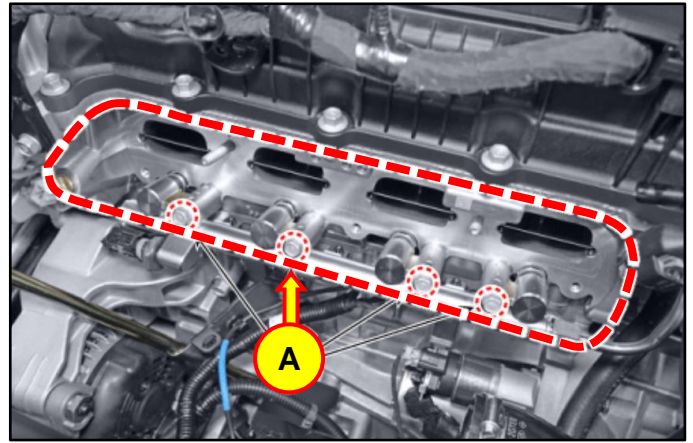
Refer to the shop manual:

- **OSN/CN7N:** Engine Control / Fuel System > Fuel Delivery System > Release Residual Pressure in Fuel Line
- **JSN:** Engine Control / Fuel System > Fuel Delivery System > Repair procedures

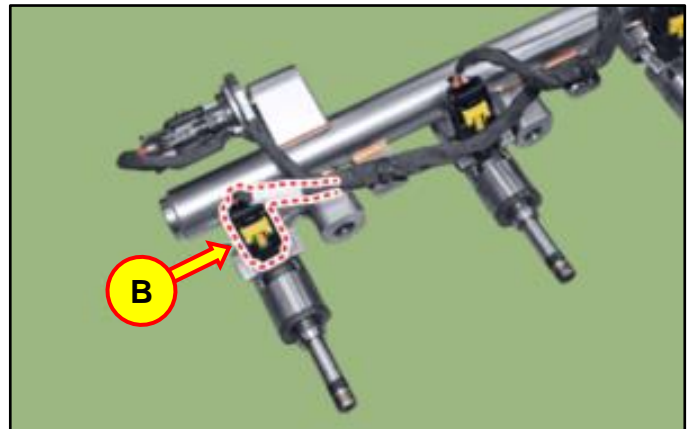
3. Remove the delivery pipe and injector assembly (A).

Refer to the shop manual:

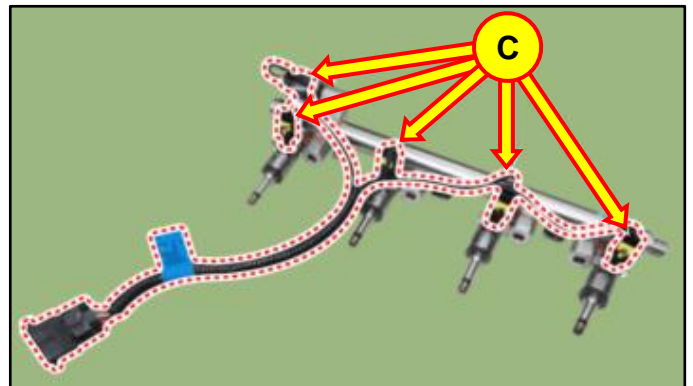
- **Engine Control / Fuel System > Fuel Delivery System > Delivery Pipe > Repair procedures**



4. Remove the connector (B) and clip, then separate each injector from the delivery pipe.



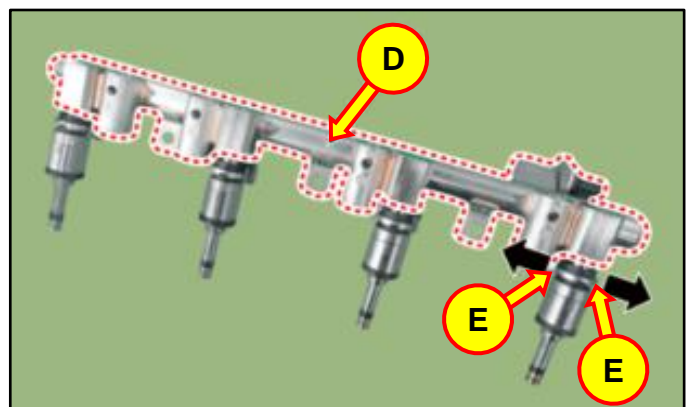
5. Disconnect the injectors and rail sensor connectors (C).



6. Remove the injectors from the fuel rail (D) after releasing the clips (E) on both sides.

***i* Information**

Before installing new injectors be sure to clean each cylinder head hole. Use a brush to remove carbon deposits and foreign materials.



7. Install the new injectors in the reverse order of removal.

Fuel injector components:

- Combustion seal (F)
- Rubber washer (G)
- Support disk (H)
- O-ring (I)



Information

Refer to important installation instructions below.

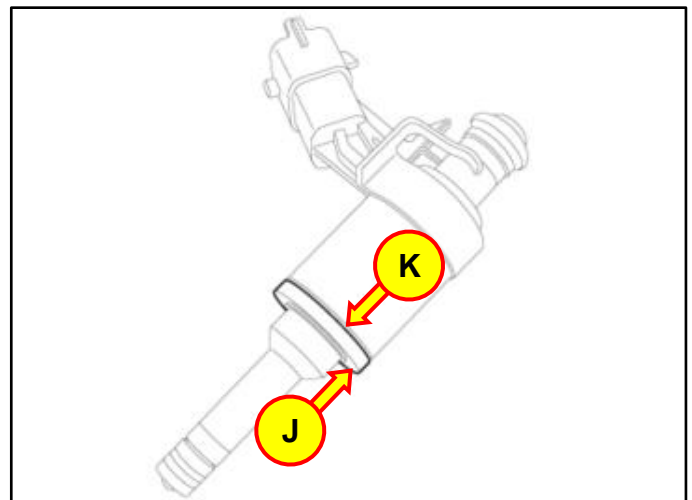
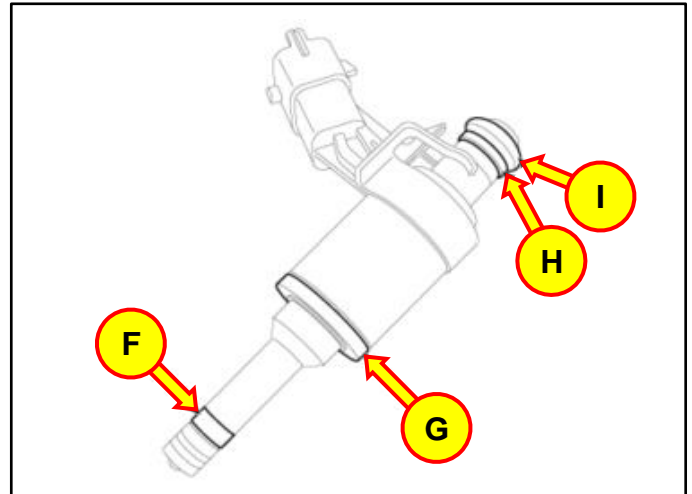


Information

When replacing the rubber washer, the steel plate side (J) should be facing the cylinder installation and the rubber plate side (K) should be facing the injector body as shown.

NOTICE

- Do **NOT** reuse any of the injector components.
- Do **NOT** drop the new injector. If it is dropped, inspect carefully before installing as internal damage may occur.
- Do **NOT** apply oil, grease, or lubricant to the combustion seal.
- Apply engine oil to the new injector O-ring.
- When inserting the injector, be careful **NOT** to damage the injector tip.
- Be careful **NOT** to deform the new high pressure fuel pipe.
- Use **SST 09314-3Q100** for installing the high pressure fuel pipe flange nut.
- Do **NOT** tilt the torque wrench when tightening nuts.



8.

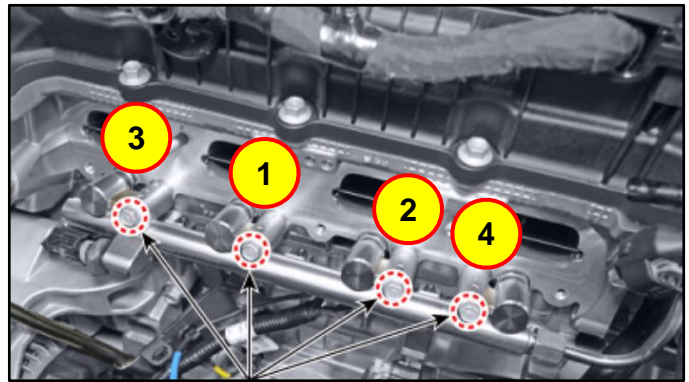
STUI

Using STUI, take a photo of the new injectors installed onto the delivery pipe and connectors seated with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.

**NOTICE**

When tightening the delivery pipe installation bolts, tighten them by hand first, then torque to proper specification in the order shown at right.



9. Reinstall all remaining parts in reverse order of removal.

NOTICE

Carefully observe all torque specifications in the Shop Manual.

10. Reset customer's radio presets, if applicable, and reconnect the negative (-) battery cable.
11. Start the engine and confirm proper operation of the vehicle.