



HYUNDAI

Technical Service Bulletin

GROUP FUEL SYSTEMS	NUMBER 25-FL-003H
DATE MAY 2025	MODEL(S) ELANTRA (CN7 / CN7N / CN7A)

SUBJECT: FUEL TANK REPLACEMENT DUE TO THUDDING NOISE




Description: Certain Elantra (CN7), Elantra N (CN7 N), Elantra (CN7A) vehicles may experience a thudding noise coming from the fuel tank assembly at idle or on an incline when the PCSV (Purge Control Solenoid Valve) is operating, and fuel level is above 90% full.

If the noise is heard, follow the service procedure to replace the fuel tank assembly and resolve the concern.

Applicable Vehicles:

- 2021–2025MY Elantra (CN7, including N-Line trim) produced from 09/12/2020 – 12/04/2024 (VIN starts with 'KMH')
- 2022–2025MY Elantra N (CN7 N) produced from 09/15/2021 – 12/04/2024
- 2021–2023MY Elantra (CN7A) produced from 09/25/2020 – 09/20/2023

Parts Information:

Model	Part Name	Part Number	Figure	QTY
ALL	Fuel Tank Assembly	31150-AA500FFF		1
ALL	Fuel Pump O-Ring (Packing)	31115-0W000		1
Elantra (CN7)	Rear Exhaust Pipe Gasket	28751-1R000		1
Elantra (CN7A)		28751-3S000		
Elantra N (CN7 N)		28751-A9200		
Elantra (CN7 N-Line)		28751-2V000		

NOTE 1: Only select 1 Rear Exhaust Pipe Gasket based on the vehicle model.

SUBJECT:

FUEL TANK REPLACEMENT DUE TO THUDDING NOISE

SST Information:

Tool Name	Tool Number	Figure	Remarks
Fuel Pump Lock Ring Removal Tool	09310 - B8100		Ordering information: Website: https://hyundaessentialtools.com/ Phone: 1-855-763-9199 Email: Hyundaitools@snapon.com Hours: 7 AM – 7 PM CST

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
ALL	31150F06	Fuel Tank Assembly Replacement	1.5 M/H	Refer to WEBLTS for applicable part to labor op code combination	Q72	ZZ1

NOTE 1: Normal warranty applies.

NOTE 2: Submit claim on Claim Entry Screen as “Warranty” type.

NOTE 3: Take a picture of the warrantable defect. 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.**

NOTE 5: 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:**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.

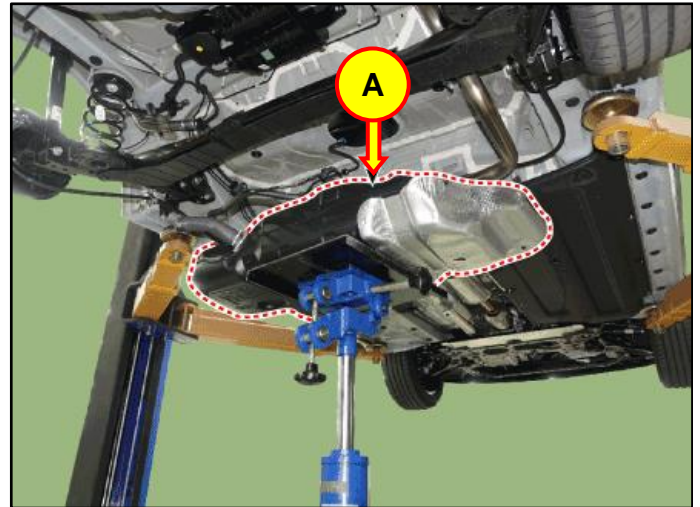
Fuel Tank Replacement Procedure

1. Follow the Shop Manual Procedure to remove the Fuel Tank Assembly (A).

A. Engine Control/Fuel System > Fuel Delivery System > Fuel Tank > Repair Procedures

i Information

Record the customer's radio presets before disconnecting the battery (-) terminal.



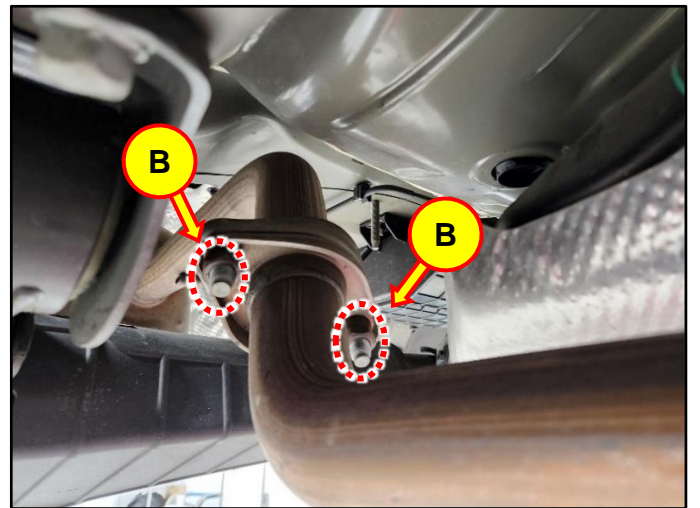
2. Lift the vehicle and remove the two fasteners (B) for the rear muffler and separate the exhaust.

Tightening torque :

lb-ft	36
N.m	49

i Information

Removal of the rear muffler flange is necessary to allow clearance to lower the fuel tank assembly.



NOTICE

Do **NOT** re-use the rear exhaust muffler gasket, replace it with a new one.

3. Separate the rear exhaust from the rear hanger and place an under-hoist stand to support the exhaust.



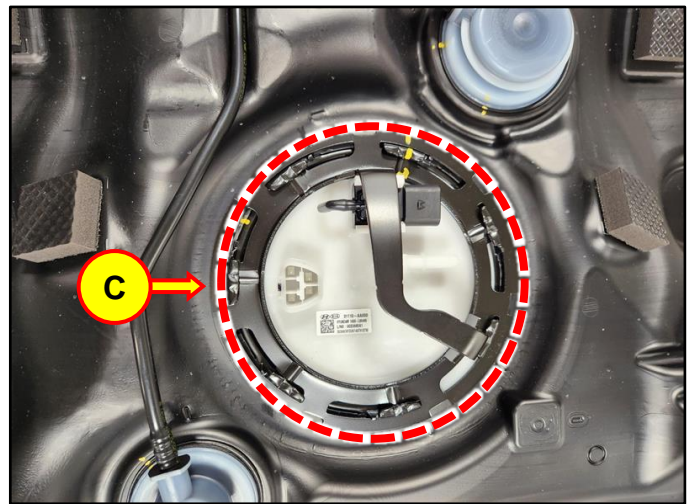
4. Once the fuel tank is lowered, remove the fuel pump module (C) and remove the fuel inside the fuel tank (to transfer over to the new fuel tank using a suitable siphoning pump).

NOTICE

The newly supplied O-Ring of the fuel pump module top plate must be installed during installation of the fuel pump to the new fuel tank.

**Information**

Use SST 09310 - B8100 to remove the fuel pump module lock ring.



5.

DIGITAL
DOCUMENTATION

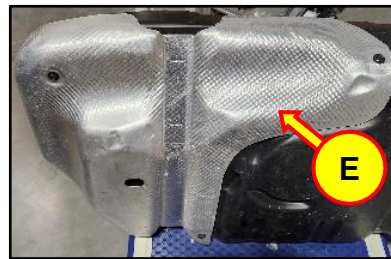
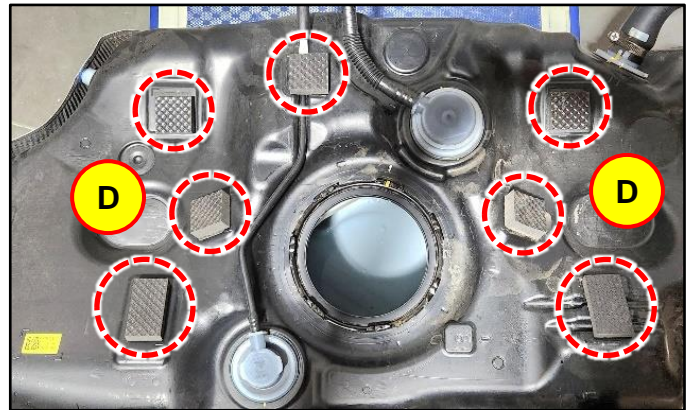
Using STUI, take a photo of the OLD Fuel Tank Assembly with the last with the last 6 digits of the VIN and the date of repair on a piece of paper.

Upload the photo to STUI.



6. Transfer all remaining components from the Old Fuel Tank Assembly to the New Fuel Tank Assembly:

- D. Fuel Tank Rubber Pads
- E. Fuel Tank Heat Protector Shield
- F. Fuel Filler Hose



7. Reinstall all components in reverse order of removal.
8. Reconnect the battery (-) terminal.
9. Cycle the ignition to prime the fuel system and ensure there are no fuel leaks. Start the engine to confirm proper operation of the vehicle.
10. Clear DTCs that were triggered during the procedure using the diagnostic scan tool.
11. Reprogram the radio presets recorded from Service Procedure Step 1.
12. The service procedure is complete.