



HYUNDAI Technical Service Bulletin

GROUP
RECALL

NUMBER
24-01-032HG

DATE
APRIL 2024

MODEL(S)
G80 (DH), G90 (HI)

SUBJECT: TURBO OIL FEED PIPE REPLACEMENT (RECALL 019G)

★ IMPORTANT

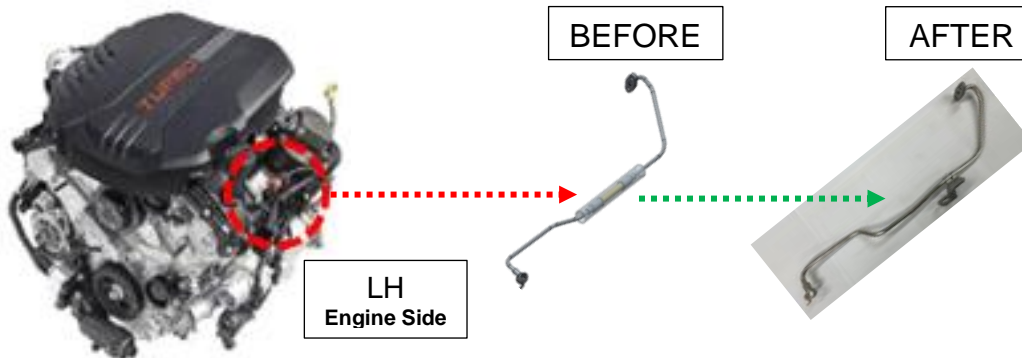
Vehicle repairs related to safety recalls are critically important and must be performed properly in accordance with TSB procedures. Review this bulletin in its entirety prior to beginning any repair work.

As required by federal law, retailers must not deliver new vehicles for sale or for lease to guests until all open recalls have been performed. Retailers must also perform all open recalls on used vehicles, demo, and rental vehicles prior to placing them into guest 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: On certain G80 (DH) and G90 (HI) vehicles equipped with Lambda 3.3T engines, the LH turbo oil feed hose and pipe assembly may develop an oil leak onto the exhaust manifold due to prolonged exposure to high ambient temperature in the engine compartment.

Oil leaking onto the exhaust manifold can increase the risk of an engine compartment fire.











Follow the procedure outlined in this bulletin to replace the oil feed hose and pipe assembly with an updated oil feed pipe assembly (full stainless steel type).

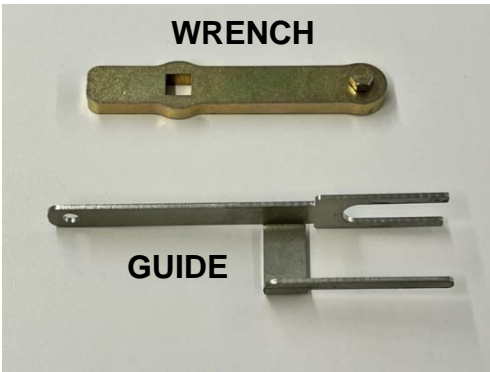
Applicable Vehicles (Certain):

- 2018MY G80 (DH) equipped with Lambda 3.3T engine produced from 1/16/2017 - 4/30/2018
- 2017-2018MY G90 (HI) equipped with Lambda 3.3T engine produced from 6/13/2016 - 4/30/2018


Parts Information:

Model	Part Name / Part Number	Figure	Remarks
G80 (DH) G90 (HI)	Oil Feed Pipe Service Kit 28240-3L122QQH		(QTY 1) LH T/C OIL FEED PIPE ASSY 28240-3L120
			(QTY 1) OIL LEVEL PIPE 26612-3LTA1
			(QTY 1) OIL LEVEL PIPE BOLT 11403-06126B
			(QTY 4) Turbo charger coolant feed pipe "I" bolt copper washer 17512-12000
			(QTY 1) Turbo charger engine oil feed pipe gasket 28241-3L100
			(QTY 2) Turbo charger engine oil feed pipe "I" bolt copper washer 17512-10000
			(QTY 1) Hose assembly - Radiator upper hose 25414-D2000
			(QTY 1) Water pipe O-ring 25462-21010

SST Information:

Tool Name	Tool #	Figure	Remarks
COOLING PIPE EYE BOLT REMOVAL WRENCH AND GUIDE	0K282-CK001QQH	 <p>WRENCH</p> <p>GUIDE</p>	<p>- Use the newly supplied tool set to remove and reinstall the turbocharger water pipe and hose.</p> <p>- Each retailer has been provided 1 tool set at the start of the recall.</p>

Required Equipment/Supplies:

Description	Supply #	Figure	Remarks
PINK, ANTIFREEZE/ COOLANT	00232-19098		<ul style="list-style-type: none"> - Allowance of 1 gallon (3.78L) has been included for this procedure. - Do not use 100% full strength. Prepare coolant mixed with distilled/filtered water to refill the cooling system. (35 to 50% antifreeze, diluted with water)

Warranty Information:

Model	Op. Code	Operation	Op. Time	Causal Part	Nature Code	Cause Code
G80 (DH) G90 (HI)	41D036R1	LH TURBOCHARGER OIL FEED PIPE REPLACEMENT	2.4 M/H	28240-3L100	B33	ZZ1

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 photos 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: All operation codes reimburse one (1) gallon of coolant.

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/933765995/b4c8ce9545>



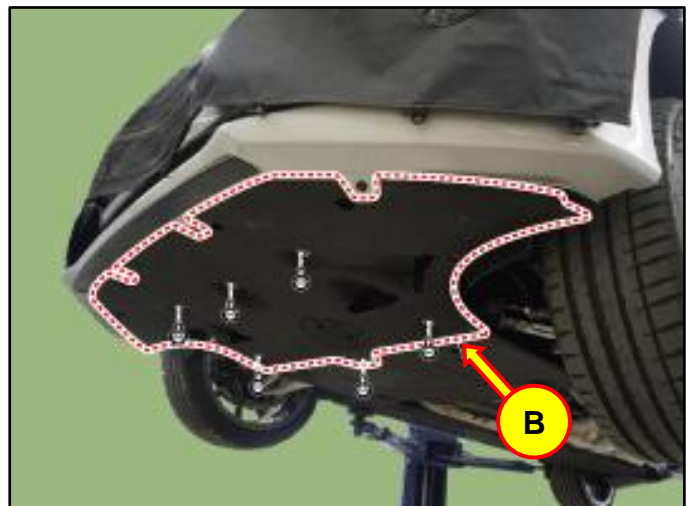
1. Record all radio presets and disconnect the battery negative (-) terminal (A) in the rear trunk area.



2. Remove the engine room under cover (B).

Tightening Torque (HI/DH):

lb-ft	3.6
N.m	4.9



3. Drain the coolant.

Refer to the Shop Manual:

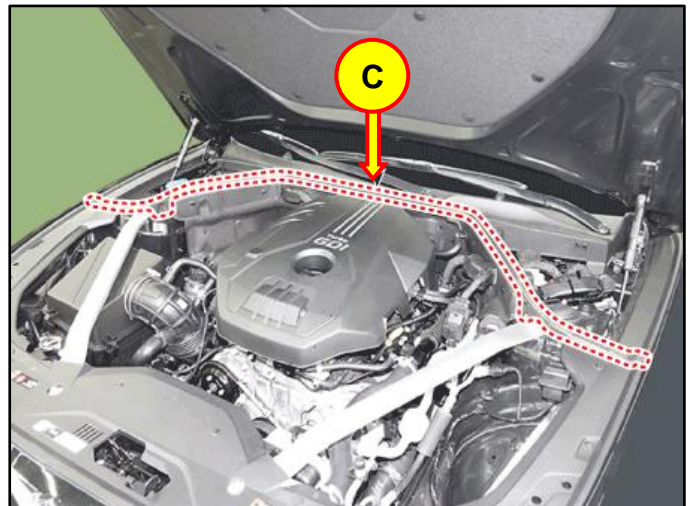
- **Engine Mechanical System > Cooling System > Coolant**

NOTICE

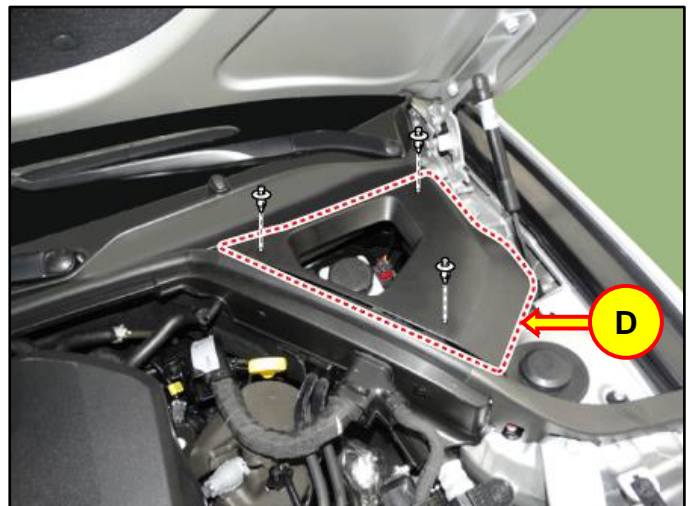
- Do not reuse drained engine coolant.
- Disconnect the coolant vent hose to allow initial air bleeding when refilling the cooling system.
- Afterwards perform the “Electric Thermostat Engine Coolant Filling Mode” using the GDS to complete the final air bleeding process.



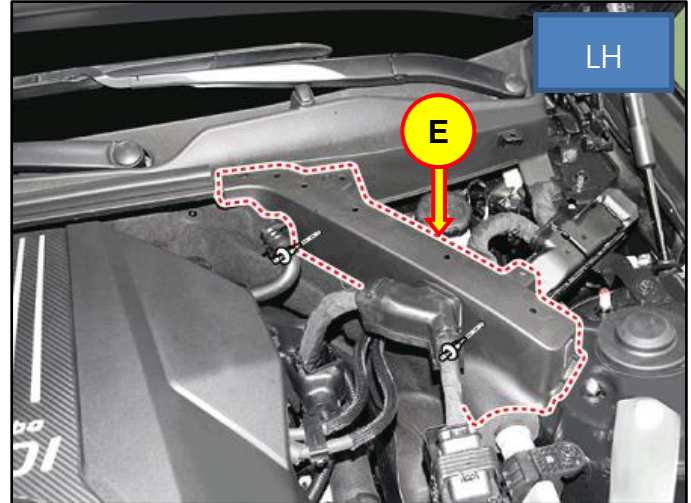
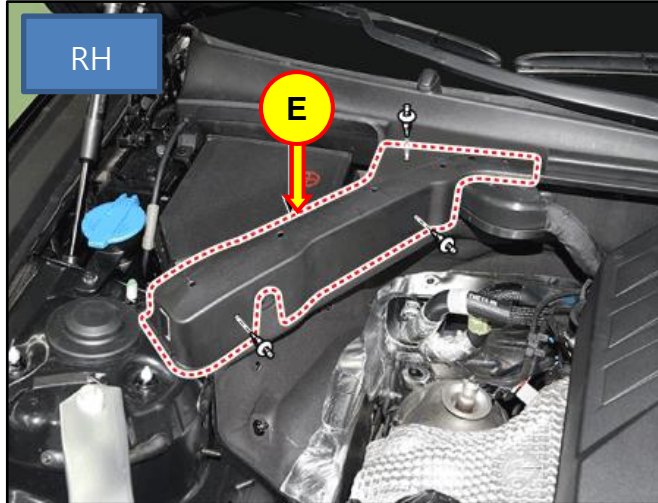
4. Remove the hood weatherstrip (C).



5. Remove the mounting clips and remove the engine side cover (D).



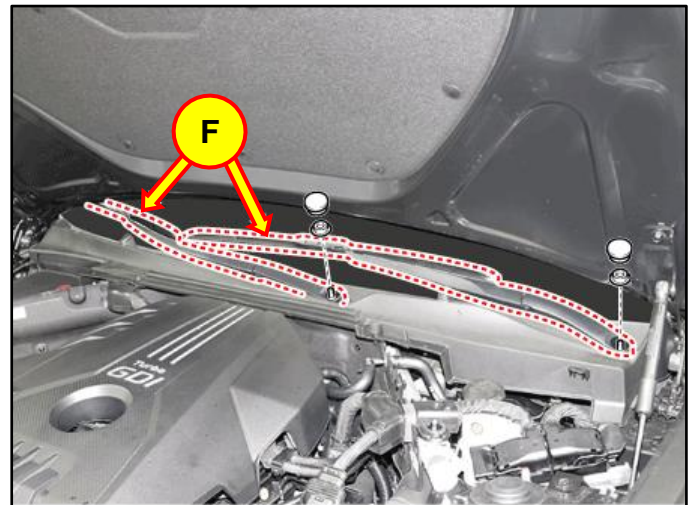
- Remove the mounting clips and remove the strut bar covers (E).



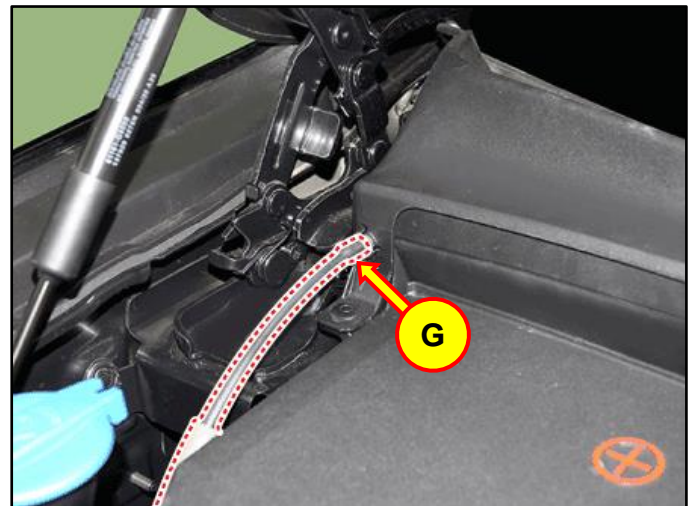
- Remove the wiper arm caps, mounting nuts, and wiper arms in that order (F).

Tightening Torque:

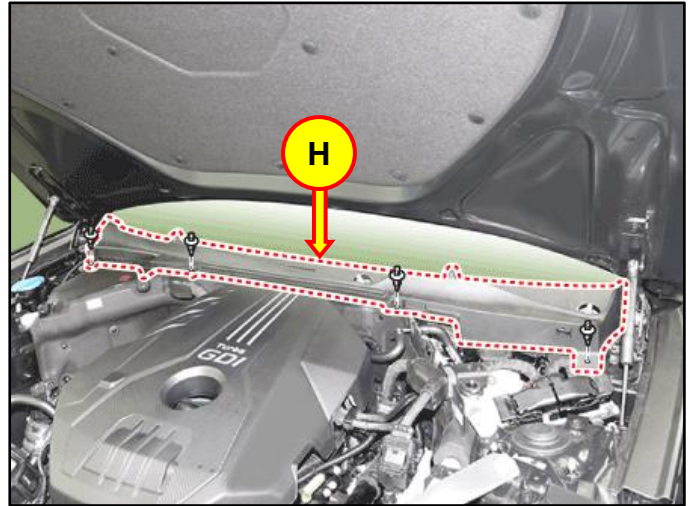
lb-ft	18
N.m	24.5



- Disconnect the washer nozzle hose (G).



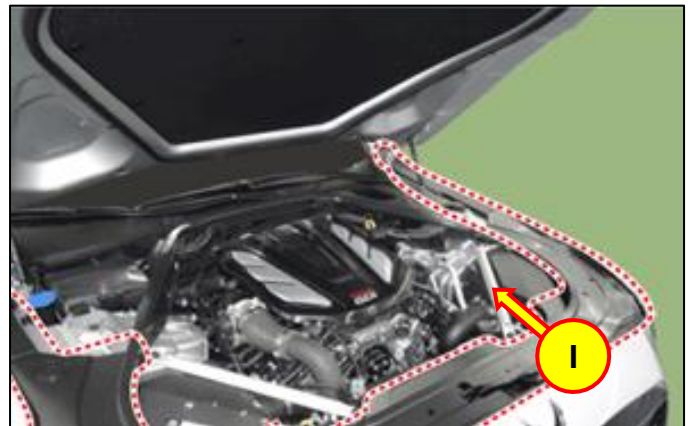
- Detach the clips, then remove the cowl top cover (H).



- Remove the front strut bar (I).

Tightening Torque:

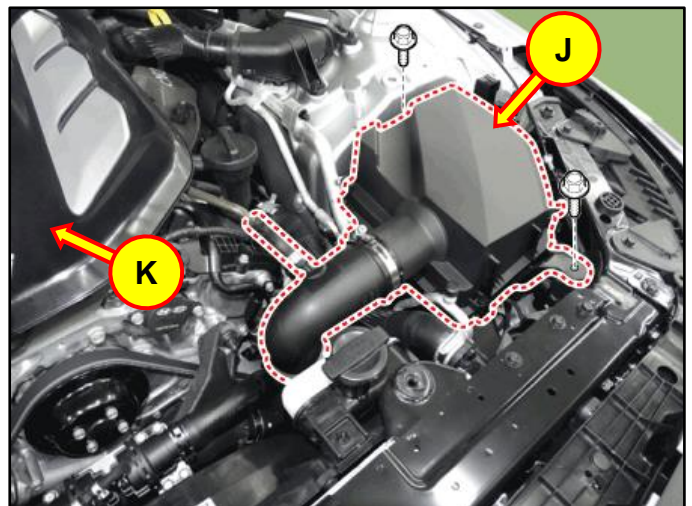
lb-ft	39
N.m	53



- Remove the LH air cleaner assembly (J).

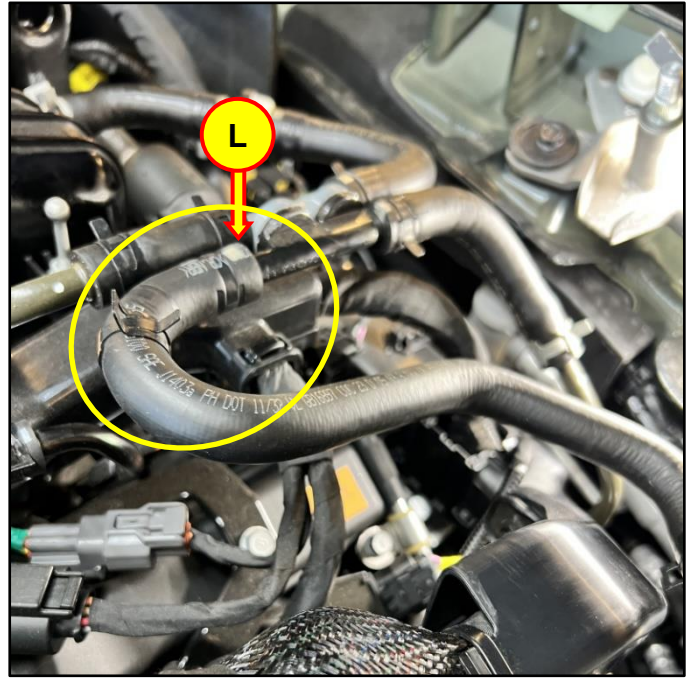
Tightening Torque:

lb-ft	6.5
N.m	8.8



- Remove the engine cover (K).

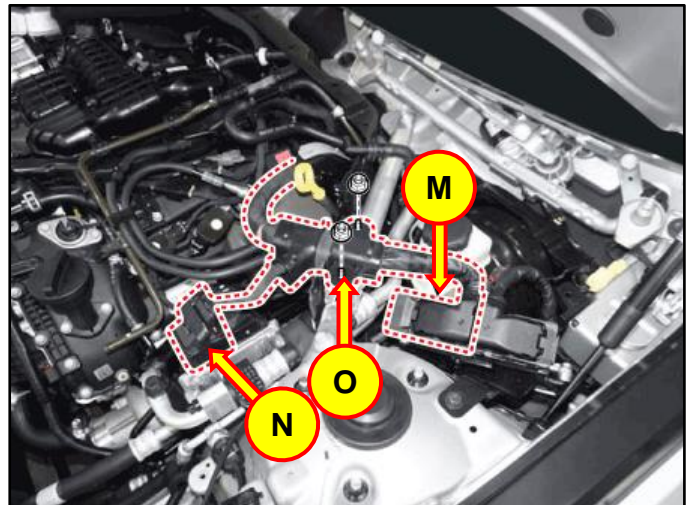
13. Unclamp and disconnect the brake booster hose end (L) from the intensifier and then move it aside (as shown below).



14. Disconnect the following wiring connectors and harness from the engine room.
- Engine control module (ECM) connector (M)
 - Shift By Wire (SBW) control module connector (N)
 - Wiring protector (O)

Tightening Torque:

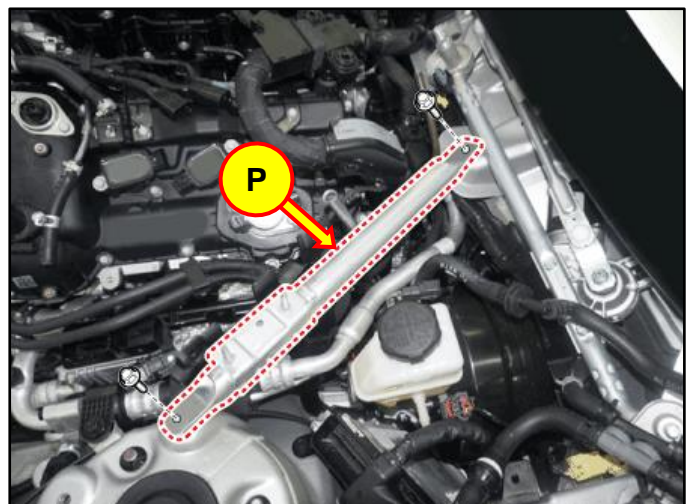
lb-ft	4.5
N.m	6



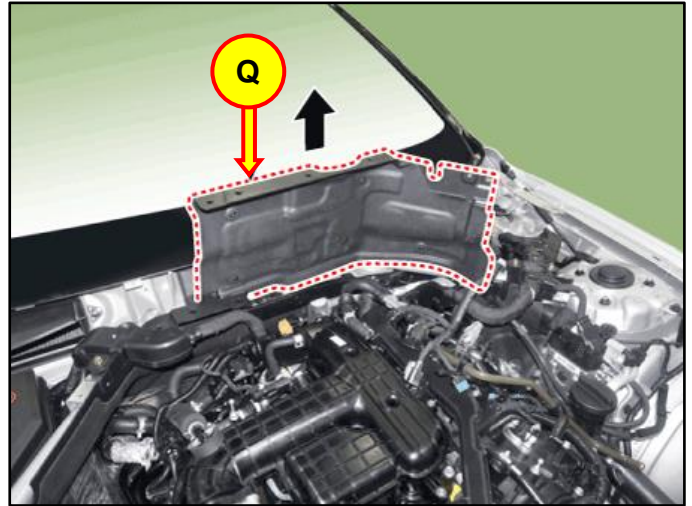
15. Remove the fasteners from the cowl and LH strut tower to remove the LH rear strut bar (P).

Tightening Torque:

lb-ft	39
N.m	53



16. Remove the engine room panel (Q).



17. Remove the mounting fasteners to remove the Shift By Wire (SBW) control module (R).

Tightening Torque:

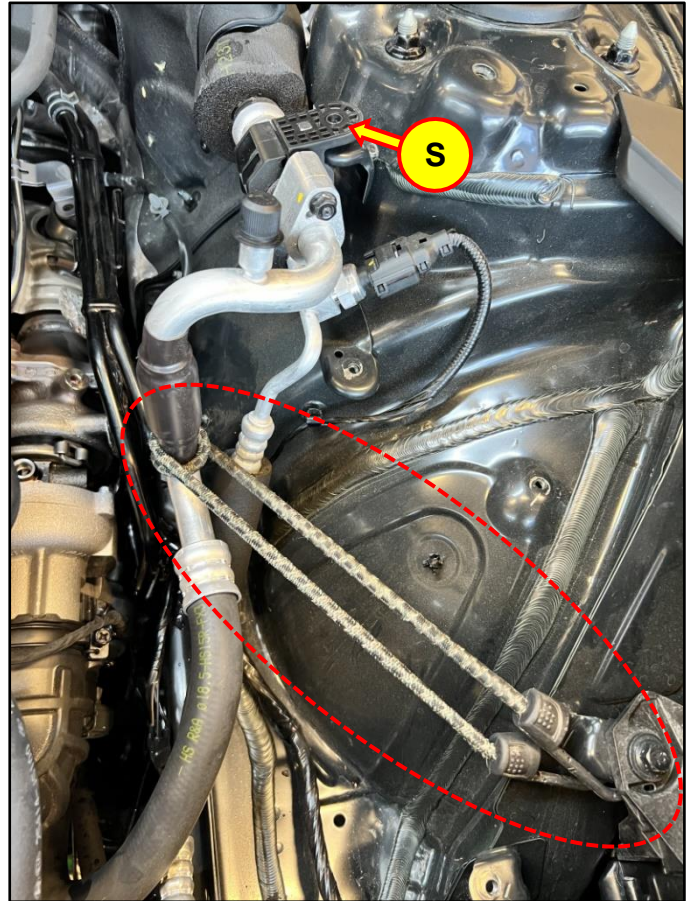
lb-ft	8
N.m	10.8



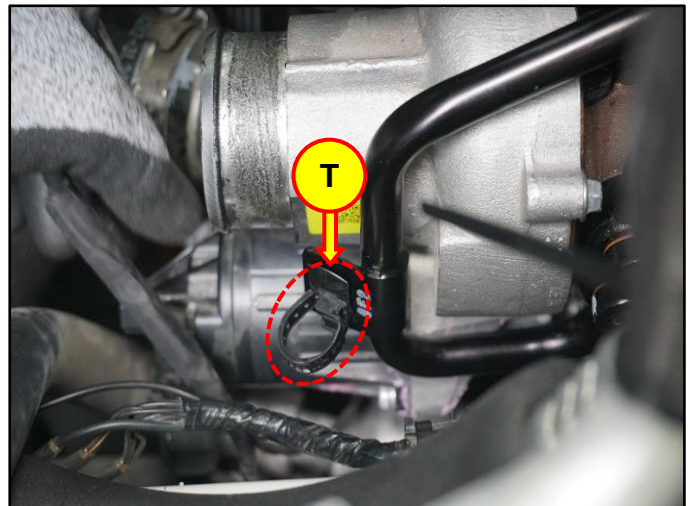
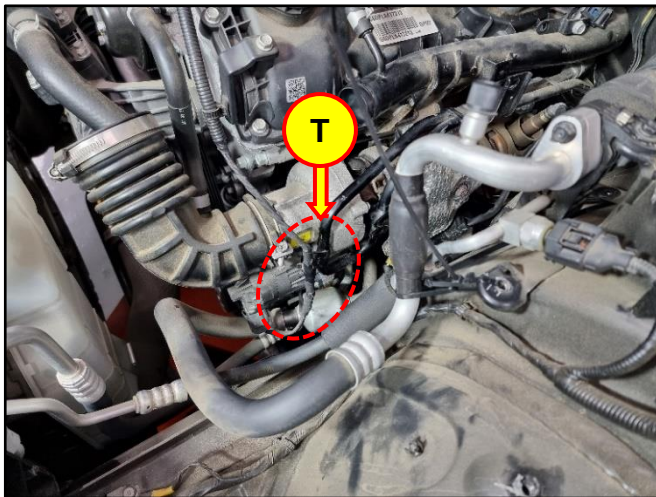
18. Remove the upper radiator hose.

NOTE: Be sure to replace the upper radiator hose with a newly supplied part from the service kit.

19. Remove the bolt for the A/C line mounting bracket (S), then secure the suction hose away from the LH turbocharger area with a suitable cord.



20. Disconnect the wiring (T) from the LH turbocharger water pipe & hose.





21. Initially loosen the eye bolts (U) using the special tool wrench and then fully remove the eye bolts by hand to disconnect the LH water pipe & hose from the turbocharger.

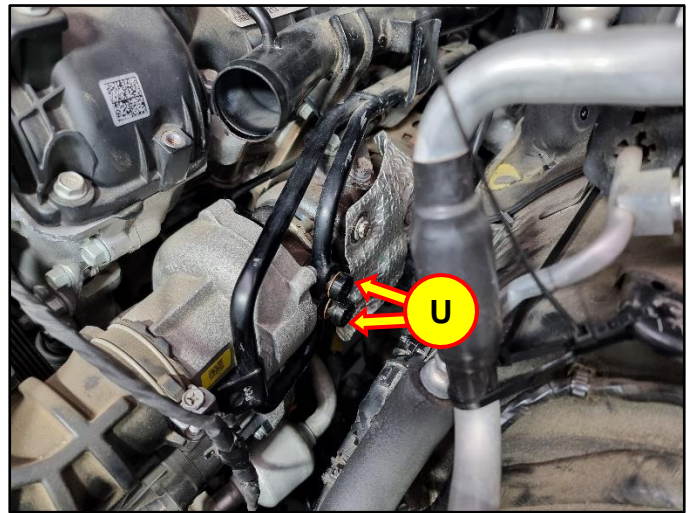
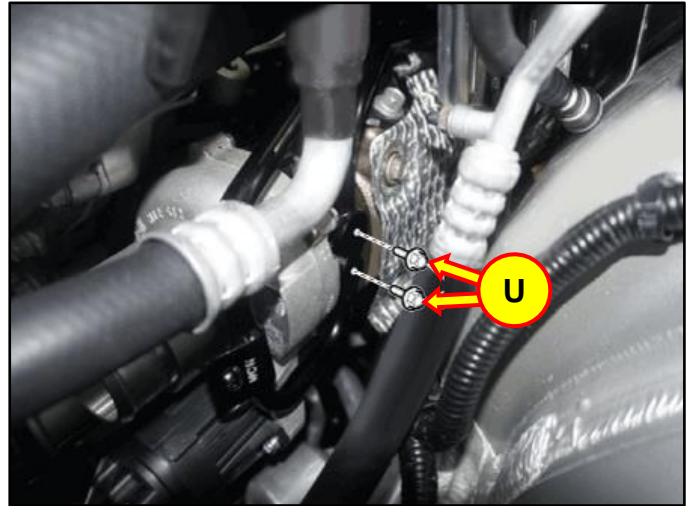
Tightening Torque:

lb-ft	26.5
N.m	36

NOTICE

- Do not reuse the copper washer gaskets.
- When installing the water pipe & hose eye bolts, use the special eye bolt assembly guide tool to position the eye bolts and copper washer gaskets to allow initial hand-tightening to hold it into place.

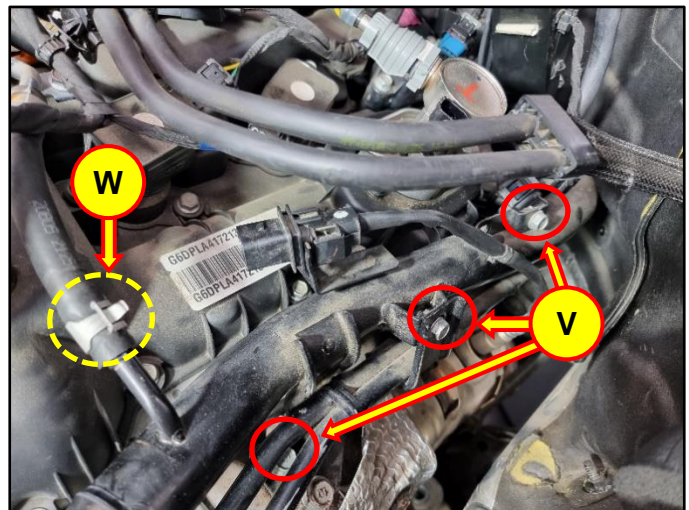
Wrench	Eye bolt assembly guide
	



22. Remove the water outlet pipe mounting bolts (V) and disconnect the coolant hose (W).

Tightening Torque:

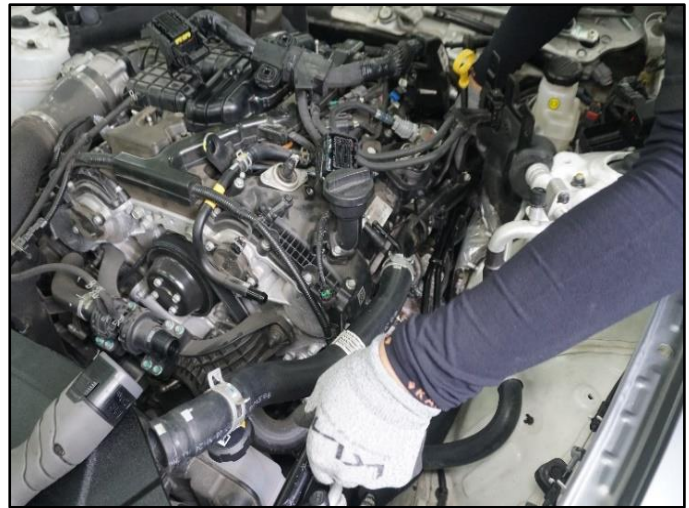
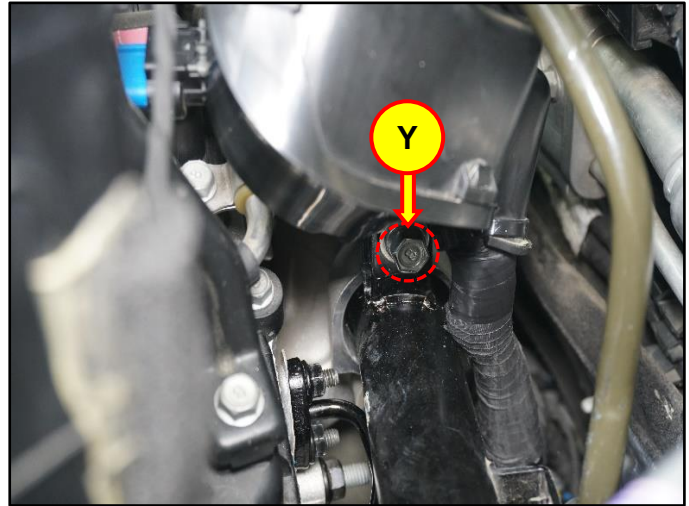
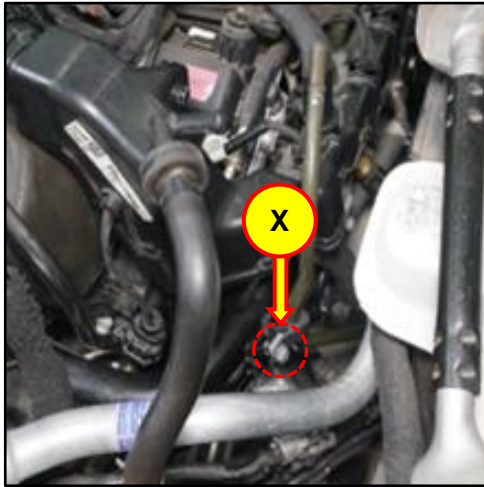
lb-ft	15.9
N.m	21.5



23. Remove the brake vacuum hose mounting bolt (X) and water inlet side mounting bolt (Y), and then remove the water outlet pipe.

Tightening Torque:

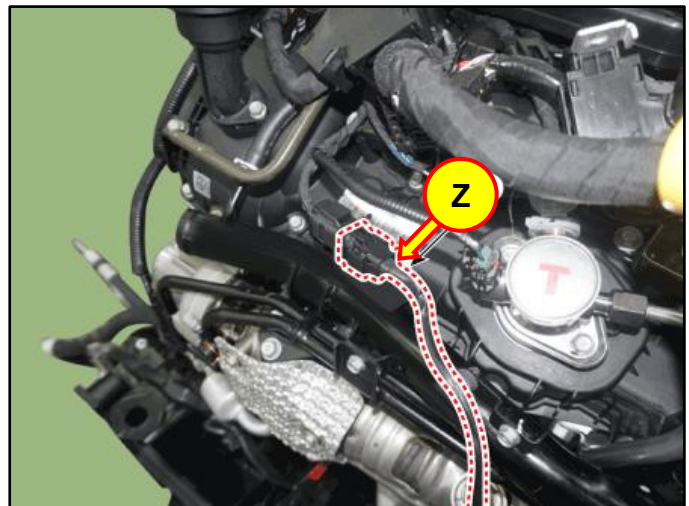
lb-ft	15.9
N.m	21.5



NOTICE

- When reinstalling the water outlet pipe, replace the O-ring with the newly supplied part from the service kit.
- Lightly lubricate the O-ring (with a thin layer grease or coolant) to provide proper slip fit to prevent damage during reassembly.

24. Disconnect the oxygen sensor connector (Z).

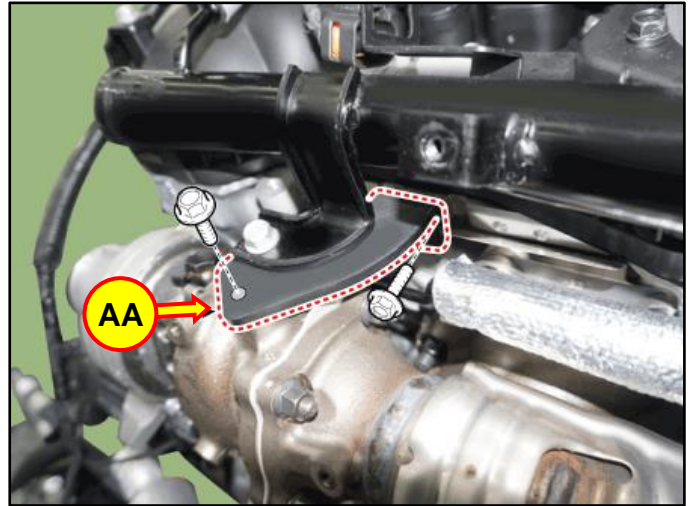


25. Remove the LH turbocharger stay (AA).

Tightening Torque:

lb-ft	21.4
-------	------

N.m	29
-----	----

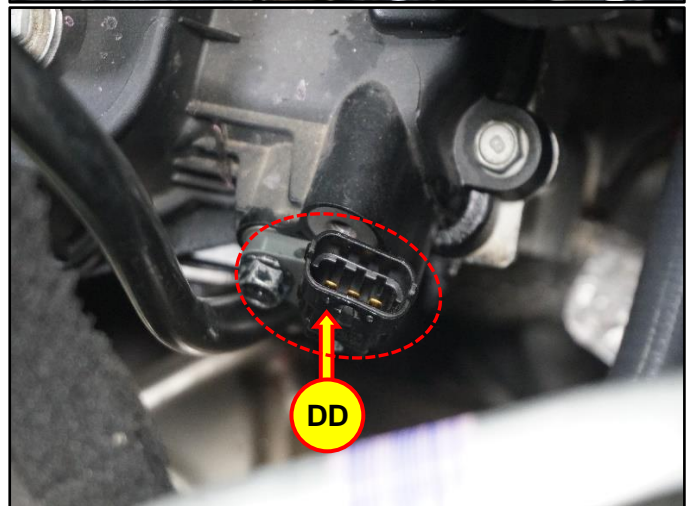
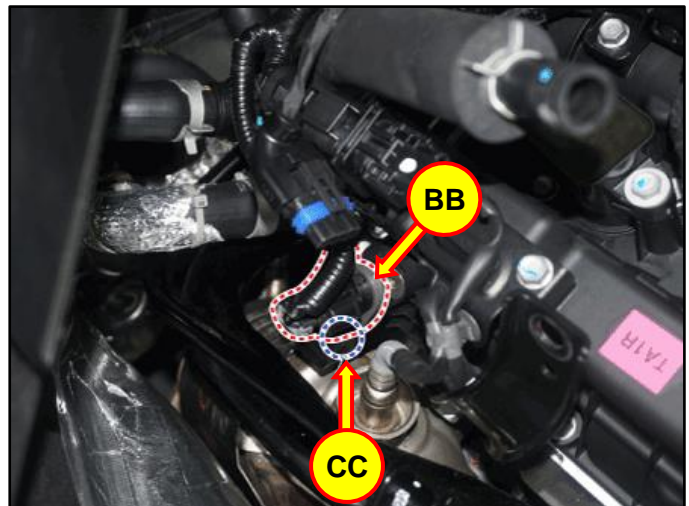


26. Disconnect the camshaft position sensor connector (BB), remove the mounting bolt (CC), and remove the camshaft position sensor (DD).

Tightening Torque:

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

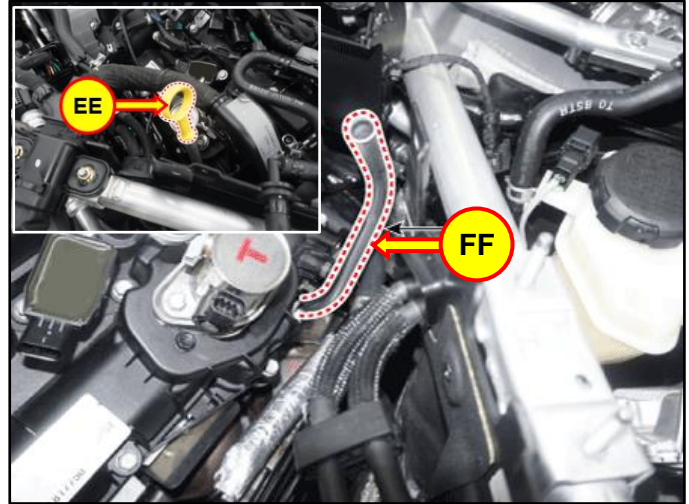
N.m	8.4
-----	-----



27. Remove the oil level gauge (EE) and the oil level pipe (FF).

NOTICE

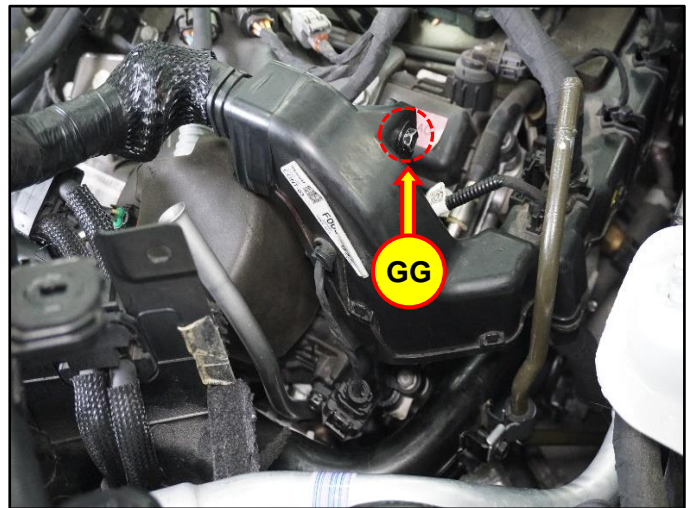
- Blow shop air around the base of the oil level pipe before removing to clear any debris from falling into the engine.
- A new updated oil level pipe from the service kit will be installed during reassembly.
- Reuse the existing oil level gauge.



28. Remove the upper wiring protector mounting bolt (GG) and disconnect the protector.

Tightening Torque:

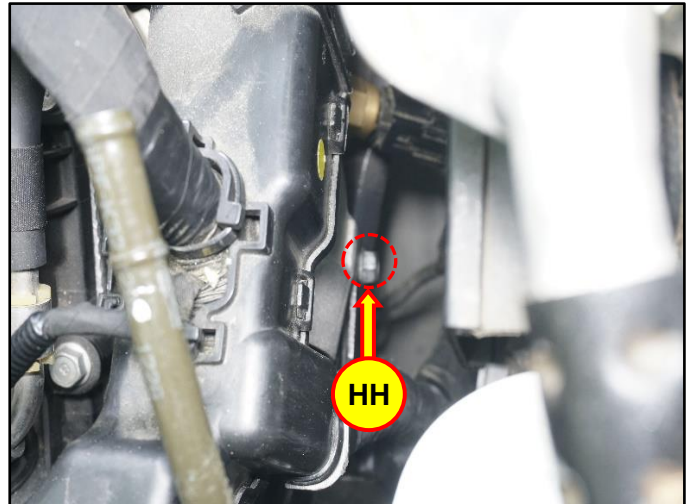
lb-ft	9.4
N.m	12.8



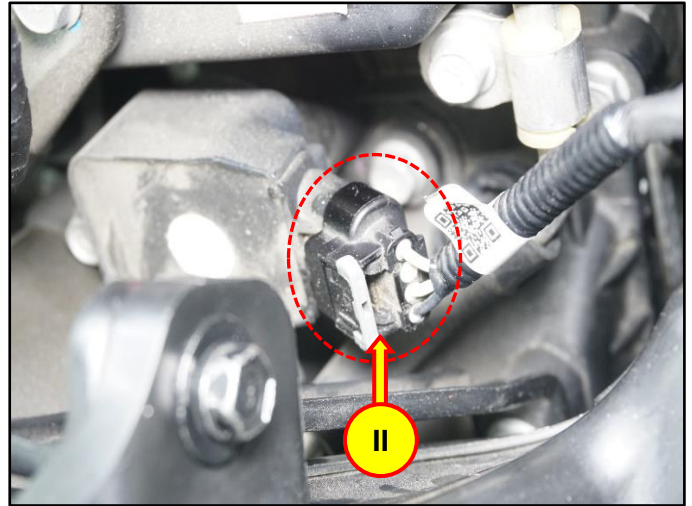
29. Remove the wiring mounting bracket fixing bolt (HH) at the lower rear.

Tightening Torque:

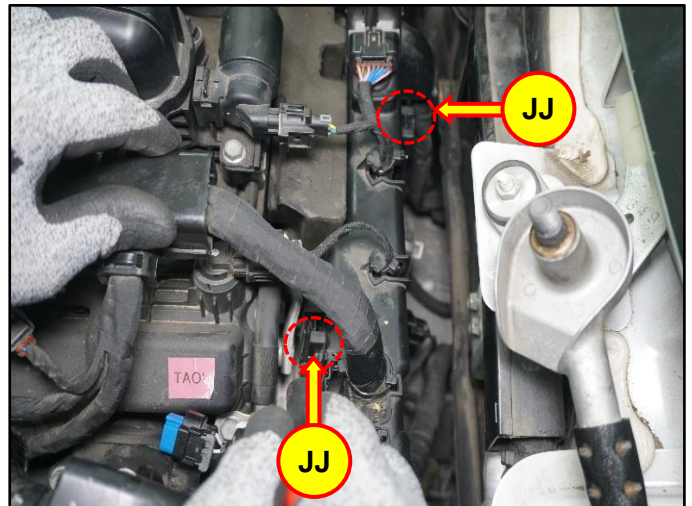
lb-ft	9.4
N.m	12.8



30. Disconnect the rear ignition coil connector (II).



31. Release the wiring protector locks (JJ) and lift the protector.



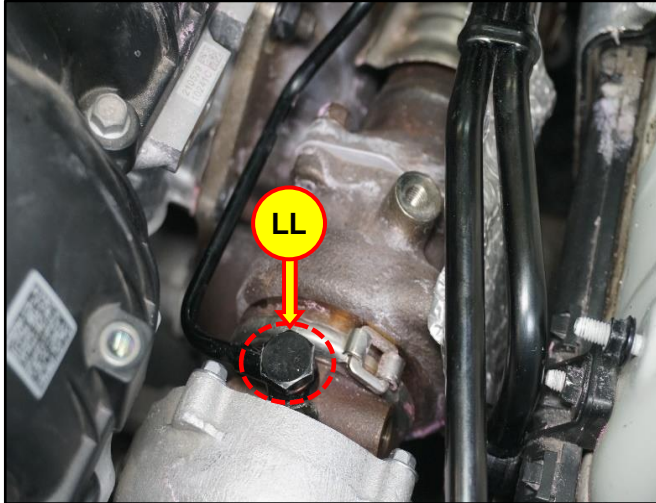
32. Remove the LH turbo oil feed hose & pipe nut (KK) at the rear of the cylinder head and disconnect at the rear flange.

Tightening Torque:

lb-ft	8
N.m	10.8



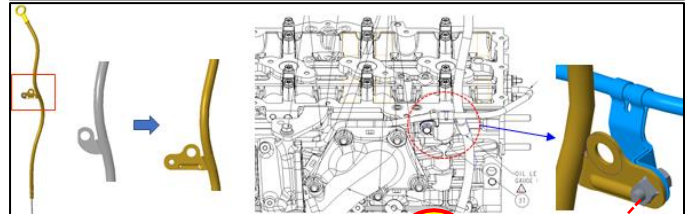
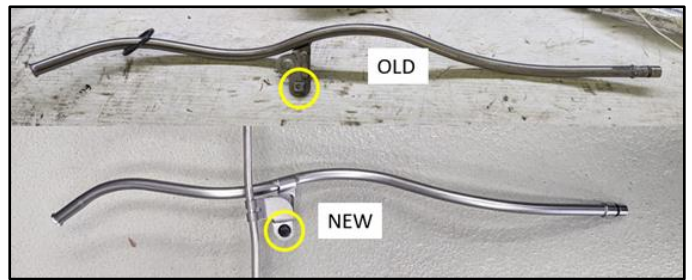
33. Remove the eye bolt (LL) on the turbocharger and remove the old oil feed hose & pipe (MM).



34. Install the newly provided oil level pipe (26612-3LTA1) from the service kit.

NOTICE

- Do not reuse the old oil level pipe.
- When installing the new oil level pipe, lubricate the O-ring to prevent damage.
- Use the existing M10 bolt to fasten the new oil level pipe to the engine first.
- The new LH turbo oil feed pipe will be fastened to the oil level pipe bracket (NN) with the newly supplied M6 bolt.



Tightening Torque (M10 mounting bolt to block):

lb-ft	14.5
N.m	19.7

Tightening Torque (M6 mounting bolt to bracket):

lb-ft	9.4
N.m	12.8



35. Install the new LH turbo oil feed pipe (P/N 28240-3L120) and then position the middle bracket to the oil level guide mounting bracket (NN) to install the M6 mounting bolt.

NOTICE

When installing the new LH turbo oil feed pipe, replace the 2 copper washers and flange gasket with new parts.

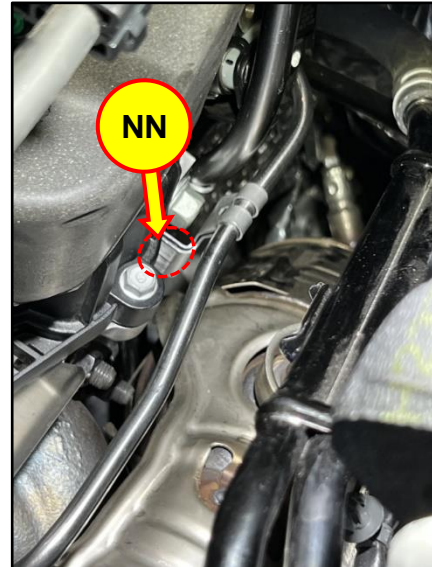


Tightening Torque (Eye Bolt):

lb-ft	10.9
N.m	14.8

Tightening Torque (Flange Nuts):

lb-ft	8
N.m	10.8



Tightening Torque (M6 mounting bolt to bracket):

lb-ft	9.4
N.m	12.8

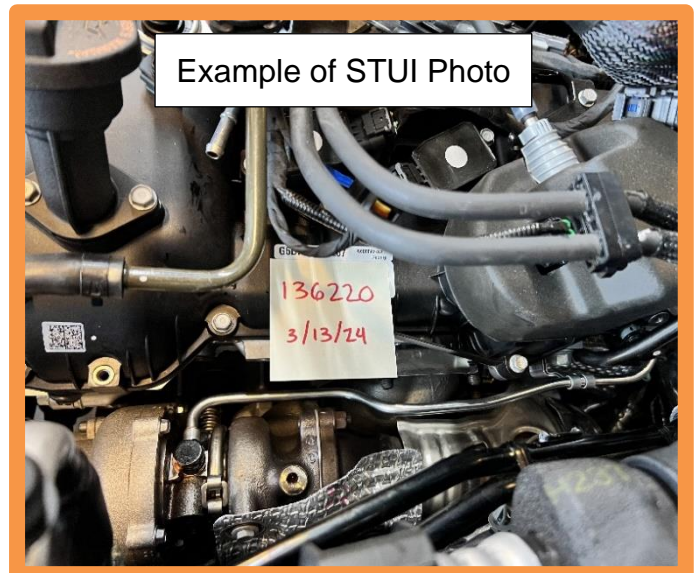
- 36.

STUI



Using STUI, take a photo of the newly installed oil feed pipe with last 6 digits of VIN and date of repair on a piece of paper.



Ensure the picture is in focus and VIN with date of repair are legible. Upload the photo to STUI.



37. Reinstall the LH turbocharger water pipe and hose.

NOTICE

When preparing the reinstallation of the turbocharger water pipe and hose, use the special service tool eye bolt assembly guide to help position the (2) eye bolts and (4) new copper sealing washers.

Wrench	Eye bolt assembly guide
	

- While the tool is holding the (2) eye bolts and (4) new washers in place, hand-thread the eye bolts into the turbocharger center housing 2~3 turns to position them into place.
- Remove the assembly guide, then use the wrench to fully tighten the eye bolts.

Tightening Torque:

lb-ft	26.5
N.m	36

38. Install the remaining removed parts in the reverse order of removal.

NOTICE

After installation, perform the coolant bleeding operation after refilling the cooling system, check for warning lights, and then release the vehicle after reprogramming radio presets.

