	GROUP ENG	MODEL 2011-2015MY Optima (TF) 2012-2015MY Optima (QF) 2011-2015MY Sportage (SL)
	NUMBER 172	DATE December 2017
SUBJECT: TECHNICAL SERVICE BULLETIN		
SERVICE ACTION: TURBO OIL FEED LINE REPLACEMENT (SA300)		

This bulletin provides the procedure to replace the turbo oil feed line on some 2011-2015MY Optima (TF), produced from November 1, 2010 through August 30, 2011, 2012-2015MY Optima (QF), produced from August 31, 2011 through October 2, 2015, and 2011-2015MY Sportage (SL) vehicles, produced from December 30, 2010 through November 6, 2015, equipped with Theta 2.0T-GDI engine, which may exhibit an oil leak at the turbo oil feed line. Follow the procedure outlined in this bulletin to replace the turbo oil feed line. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



**\* NOTICE**

A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

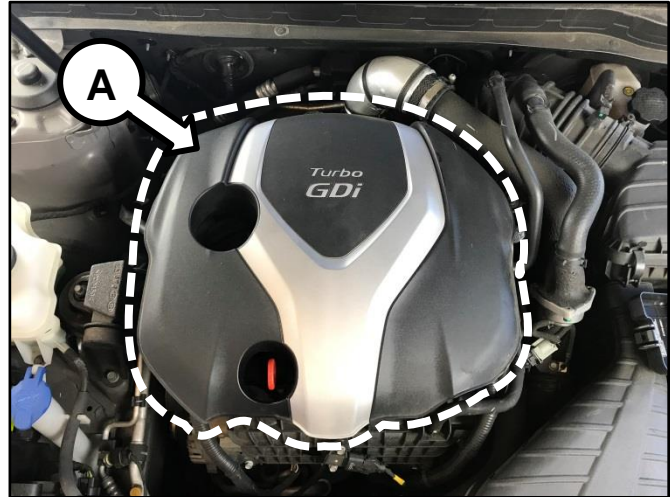
This issue number is SA300.

File Under: <Engine>

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

**Service Procedure (TF, QF):**

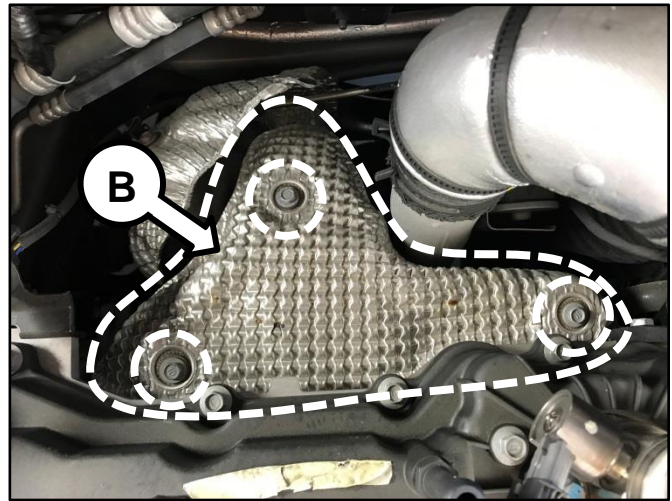
1. Open the hood and remove the engine cover (A).



2. Remove the three (3) heat shield cover retaining bolts and remove the heat shield cover (B).

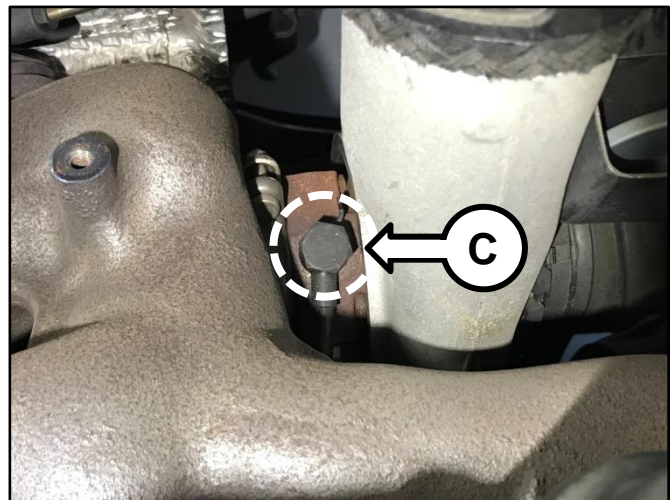
**Tightening torque for bolts:**  
5.8 – 8.7 lb.ft (7.8 – 11.8 N.m,  
0.8 – 1.2 kgf.m)

**! WARNING**  
Ensure the engine and turbo are at a cool temperature to prevent personal injury from heated components.



3. Remove the oil feed line banjo bolt (C) located on the turbo.

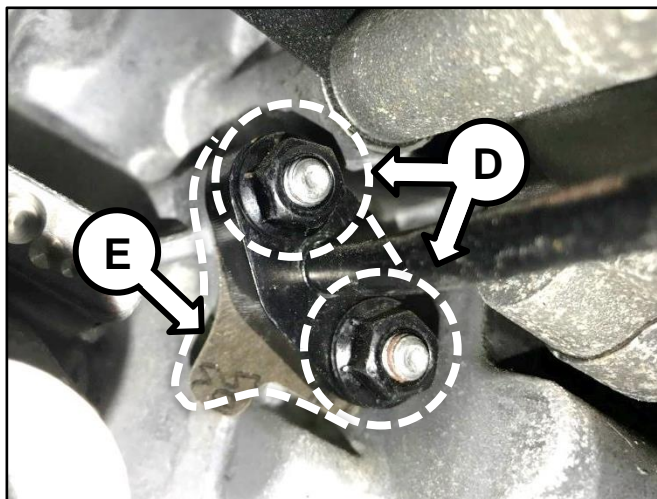
**Tightening torque for banjo bolt:**  
8.7 – 13.0 lb.ft (11.8 – 17.7 N.m,  
1.2 – 1.8 kgf.m)



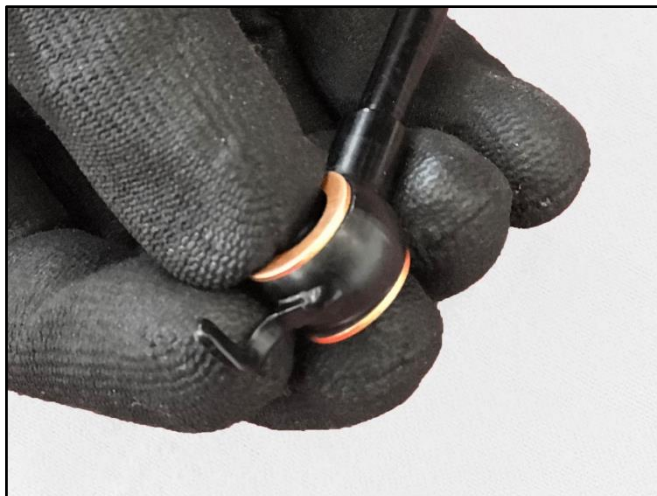
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4. Remove the two (2) oil feed line retaining nuts (D) then remove the oil feed line. Clean any oil residue/leaks from the turbo oil feed line.

**Tightening torque for nuts:  
5.8 – 8.7 lb.ft (7.8 – 11.8 N.m,  
0.8 – 1.2 kgf.m)**



5. Install the new oil feed line.
  - Be sure to replace the two (2) banjo bolt washers and ensure they are correctly installed and centered when tightening the banjo bolt (D).
  - Be sure to replace the gasket (E) between the oil feed line and the engine block.



6. Reinstall all removed components in the reverse order of removal then verify the engine oil level and correct if necessary.

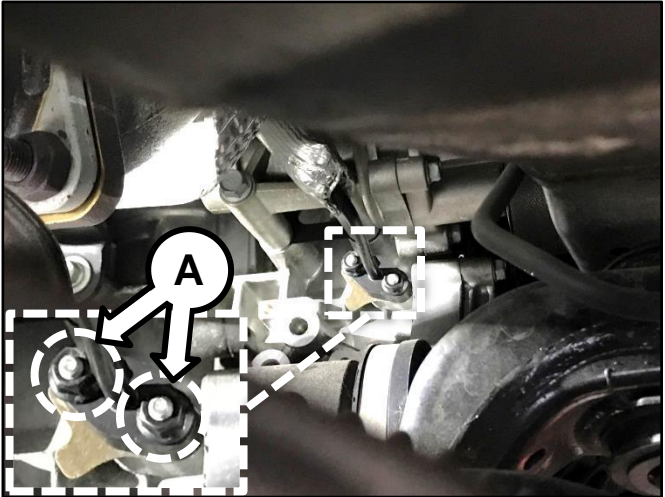


**Service Procedure (SL):**

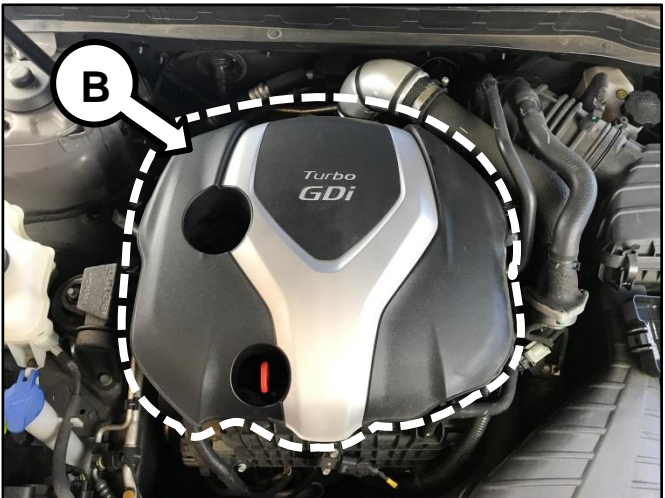
1. With the vehicle on a lift in the raised position, remove the two (2) oil feed line retaining nuts (A).

**Tightening torque for nuts:**  
5.8 – 8.7 lb.ft (7.8 – 11.8 N.m,  
0.8 – 1.2 kgf.m)

**WARNING**  
Ensure the engine is at a cool temperature to prevent personal injury from heated components.



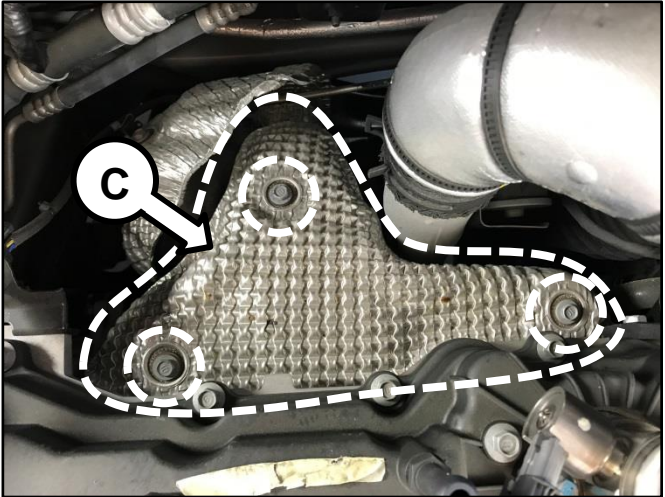
2. Lower the vehicle on the lift then open the hood and remove the engine cover (B).



3. Remove the three (3) heat shield cover retaining bolts and remove the heat shield cover (C).

**Tightening torque for bolts:**  
5.8 – 8.7 lb.ft (7.8 – 11.8 N.m,  
0.8 – 1.2 kgf.m)

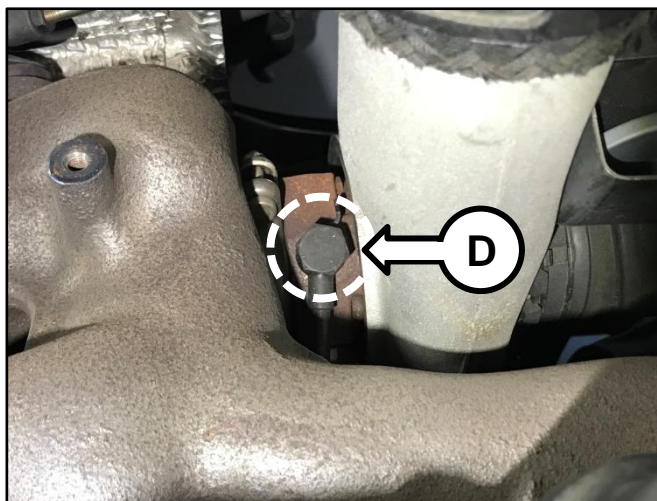
**WARNING**  
Ensure the engine and turbo are at a cool temperature to prevent personal injury from heated components.



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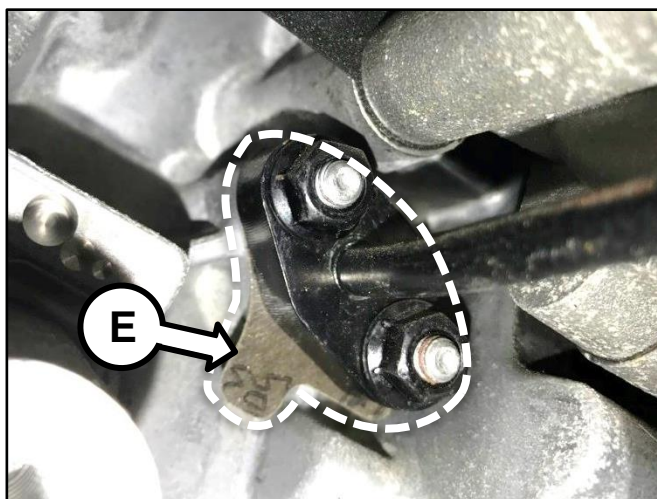
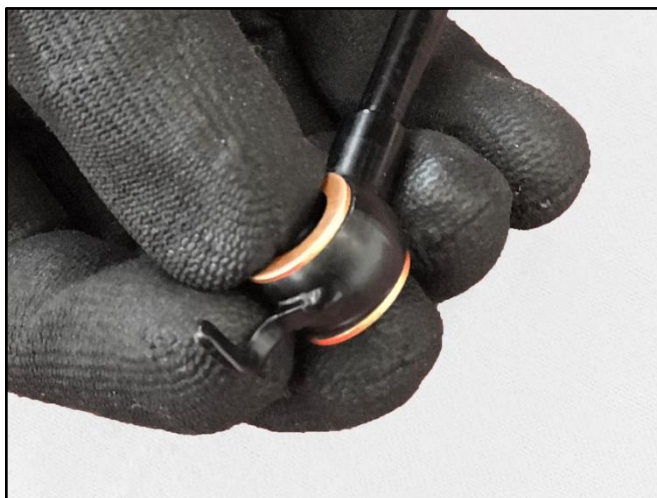
4. Remove the oil feed line banjo bolt (D) located on the turbo. Clean any oil residue/leaks from the removal of the turbo oil feed line.

**Tightening torque for banjo bolt:  
8.7 – 13.0 lb.ft (11.8 – 17.7 N.m,  
1.2 – 1.8 kgf.m)**



5. Install the new oil feed line.

- Be sure to replace the two (2) banjo bolt washers (E) and ensure they are correctly installed and centered when tightening the banjo bolt (D).
- Be sure to replace the gasket (F) between the oil feed line and the engine block.



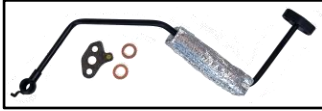
6. Reinstall all removed components in the reverse order of removal then verify the engine oil level and correct if necessary.

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**AFFECTED VEHICLE RANGE:**

Model	Production Date Range
Optima (TF)	November 1, 2010 through August 30, 2011
Optima (QF)	August 31, 2011 through October 2, 2015
Sportage (SL)	December 30, 2010 through November 6, 2015

**REQUIRED PART:**

Part Name	Part Number	Figure	Remarks
Oil Feed Hose & Pipe Kit	28240 2G411QQK		Kit includes: 1 Oil Feed Hose 1 Oil Drain Gasket 2 Banjo Bolt Washers

**WARRANTY INFORMATION:**

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

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
QF	V	28240 2G410	0	(SA300A) Turbo Oil Feed Line Replacement	160A45R0	0.5 M/H	28240 2G411QQK	1
TF				(SA300B) Turbo Oil Feed Line Replacement	160156R0	0.5 M/H		
SL				(SA300B) Turbo Oil Feed Line Replacement	160156R1	0.6 M/H		

**NOTE: Use sublet code 'X1' with a maximum allowed amount of \$2.00 for engine oil reimbursement.**

**\* NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SA300 when accessing the WebDCS system.