	GROUP Fuel	MODEL 2016MY Optima (JFa)
	NUMBER SC 128	DATE March 2016
VOLUNTARY EMISSIONS RECALL		
SUBJECT: SC128 – 2016MY OPTIMA IMPROPER EMISSIONS PARTS INSTALLED VOLUNTARY EMISSIONS RECALL		

This bulletin provides the procedure to replace the air cleaner box and/or the evaporative canister of some 2016MY Kia Optima (JFa) 2.0L Turbo (ULEV – 50 State Emissions) and 2.4L GDI (SULEV vehicles – California Emissions), produced from Job #1 through January 15, 2016. Some of these vehicles were built with the wrong air cleaner and/or evaporative canister. Kia is recalling these vehicles to correct the misbuild by installing the proper components, as originally intended. Prior to performing the procedure, refer to the table below to identify which components require replacement by engine type. Kia is requesting the completion of this Voluntary Emissions Service Campaign on all affected vehicles. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.

MY	Engine Type	Component to Replace	Page #
2016MY Optima (JFa)	2.4L (SULEV)	Air Cleaner Box	2
	2.0L T	Air Cleaner Box	5
		Evaporative Canister	7

★ NOTICE

To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service > Warranty Coverage >Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

File Under: <Voluntary Emissions Recall>

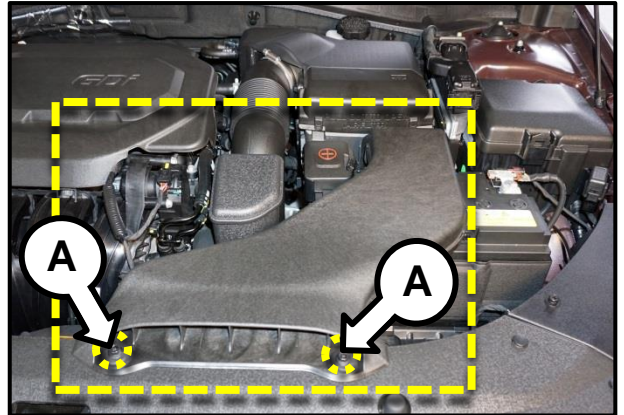
Circulate To: ☒ General Manager ☒ Service Manager ☒ Parts Manager
 ☒ Service Advisor(s) ☒ Technician(s) ☒ Body Shop Manager ☐ Fleet Repair

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INSTALLED VOLUNTARY EMISSIONS RECALL**

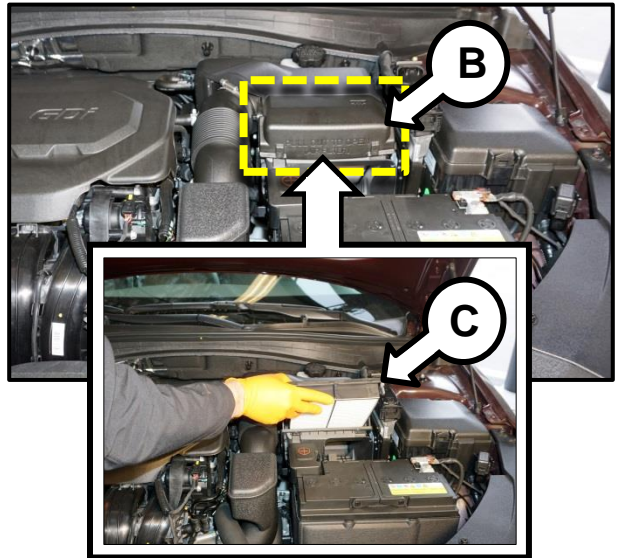
Service Procedure (for Optima (JFa) 2.4L GDI (SULEV)):

1. Remove two (2) bolts (A) securing the air cleaner box duct.

Tightening Torque:
69.6 – 86.4 in-lb (7.8 - 9.8 Nm)

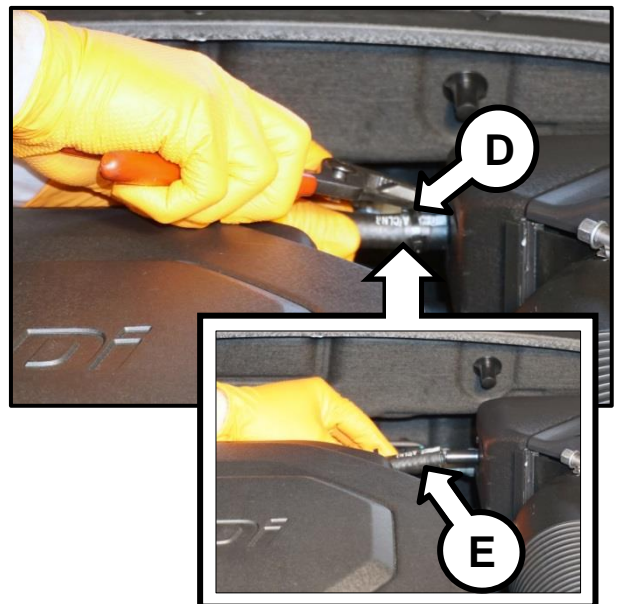


2. Remove the air cleaner box filter access door (B).



3. Remove the air filter element (C) from the air cleaner box. **NOTE: Retain the air filter element (C) for reuse.**

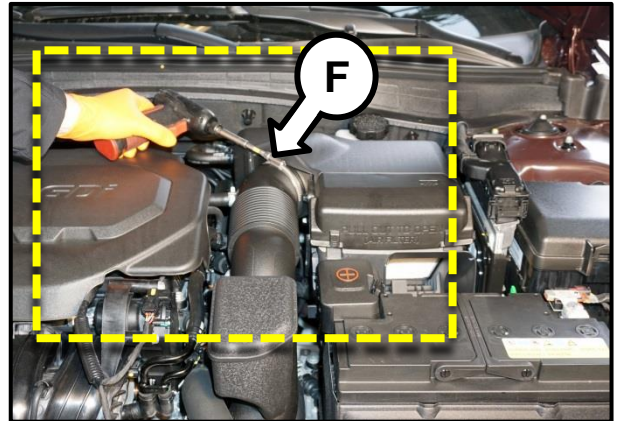
4. Use a pair of pliers to undo the clamp (D) on the air cleaner box breather hose (E) and remove the hose from the air cleaner box, as shown.



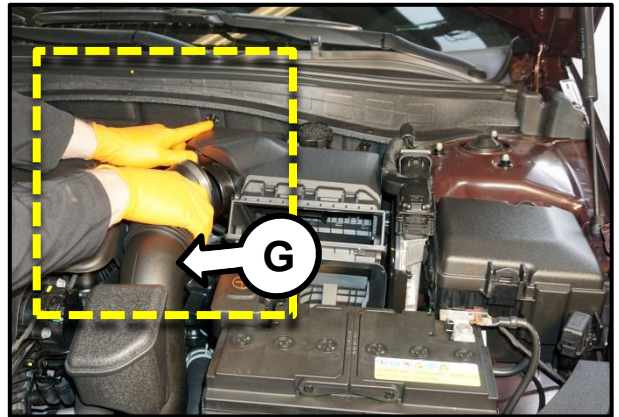
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5. Loosen the air cleaner box hose clamp (F), as shown.

Tightening Torque:
26.4 – 43.2 in-lb (2.9 - 4.9 Nm)

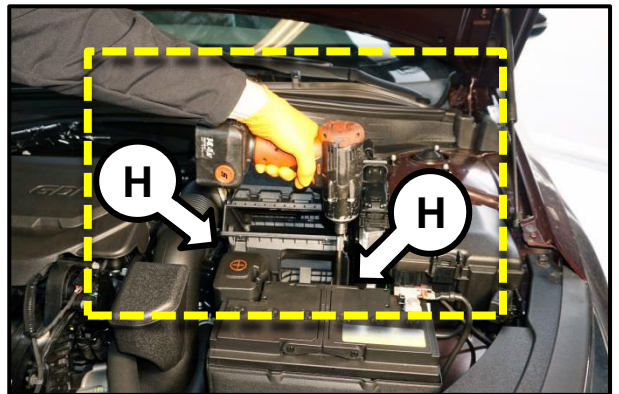


6. Remove the air cleaner hose (G) from the air cleaner box, as shown.



7. Remove two (2) bolts (H) securing the air cleaner box to the chassis.

Tightening Torque:
69.6 – 86.4 in-lb (7.8 - 9.8 Nm)



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8. Remove the air cleaner box (I) from the vehicle.



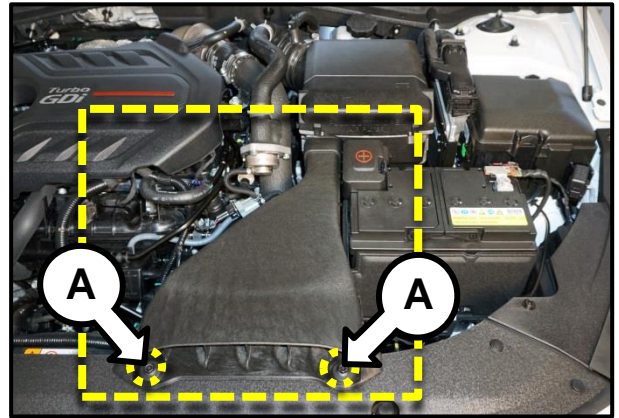
9. Install the new air cleaner box by reversing the removal steps.
10. Reinstall the original air filter element into the new air cleaner box.
11. Start the vehicle to confirm proper operation.

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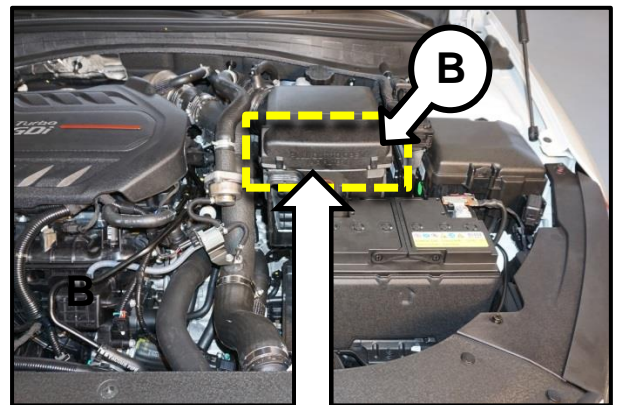
Service Procedure (for Optima (JFa) 2.0T): Air Cleaner Box Replacement

1. Record the customer's radio presets.
2. Remove two (2) bolts (A) securing the air cleaner box intake duct.

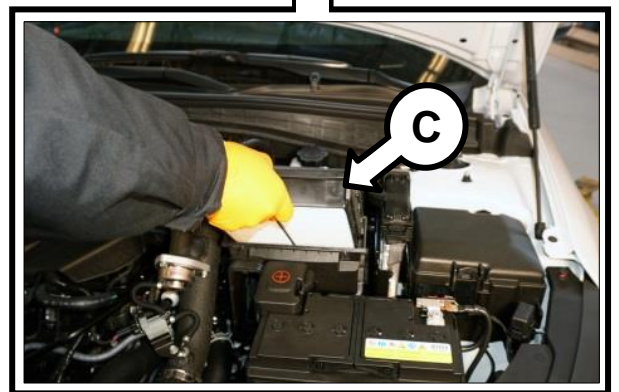
Tightening Torque:
69.6 – 86.4 in-lb (7.8 - 9.8 Nm)



3. Remove the air cleaner box filter access door (B).



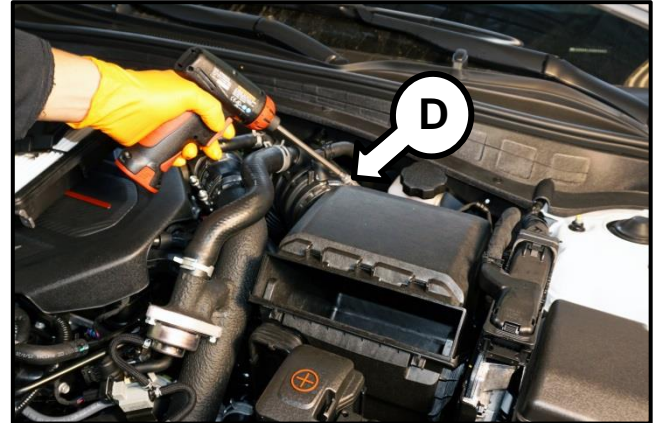
4. Remove the air filter element (C) from the air cleaner box, as shown.



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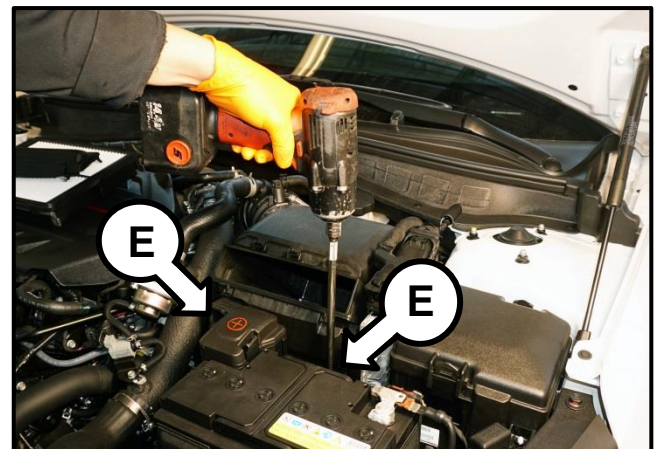
5. Loosen the air cleaner box hose clamp (D), as shown.

Tightening Torque:
26.4 – 43.2 in-lb (2.9 - 4.9 Nm)



6. Remove two (2) bolts (E) securing the air cleaner box to the chassis.

Tightening Torque:
69.6 ~ 86.4 in-lb (7.8 - 9.8 Nm)



7. Lift and remove the air cleaner box (F) from the vehicle.



8. Install the new air cleaner box by reversing the removal steps.
9. Reinstall the original air filter element into the new air cleaner box.

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Service Procedure (for Optima (JFa) 2.0T): Evaporator Canister Replacement

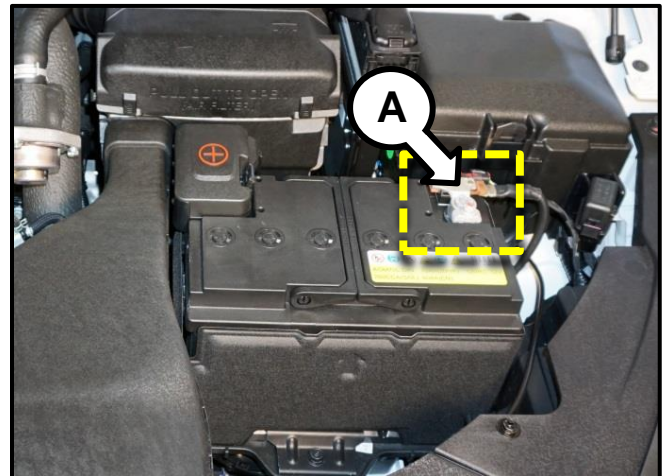


WARNING

Fuel vapors are highly flammable! Death or serious injury could result if they are ignited. Make sure there are no open flames or cigarette smoking in the area of the repair. Adequate ventilation is necessary to prevent a build-up of fumes which could ignite, causing fire or explosion. Additionally, safety glasses and fuel resistant gloves should be worn when performing this procedure.

1. Perform the Residual Fuel Pressure Release Procedure, as shown below:
 - Turn the ignition OFF.
 - Remove the fuel pump relay and the electrical connector to the high pressure fuel pump.
 - Run the engine for about 20 seconds to lower the pressure in both the high or low pressure lines. The engine may shut off within the 20 second period. If not, turn the engine off.
 - Proceed with the service or repair. Use rags to cover opening and catch spills when opening up either fuel line.

2. Disconnect the Negative (-) terminal (A) from the battery. **NOTE: Make sure the customer's radio presets have been recorded.**



3. Transfer the fuel into a suitable gasoline transfer device (B).



WARNING

If fuel tank is more than 1/4 full, it must be drained to avoid possible spillage from fuel filler pipe, to reduce excessive weight and to prevent possible personal injury while fuel tank is being removed and reinstalled.



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4. Carefully remove the lower seat cushion (C) from the vehicle.



CAUTION

Wear disposable gloves to avoid soiling the seat cover.

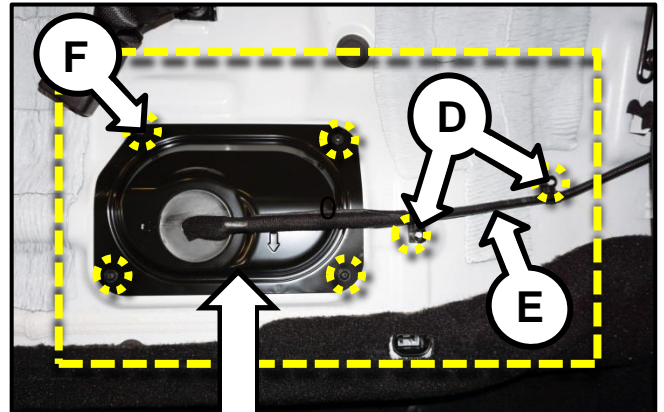


5. Use a plastic trim panel tool to carefully remove two (2) chassis attachment points (D) for the fuel pump harness (E). Then, remove four (4) screws (F) securing the fuel pump service cover to the chassis.

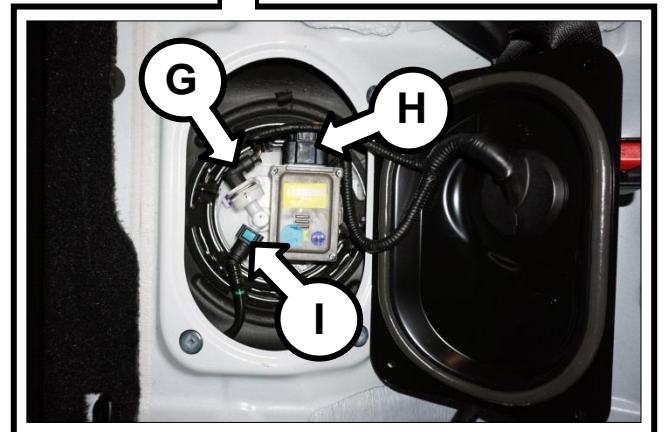


CAUTION

Use a non-marring trim removal tool (such as Snap-on® P/N PBN5 or equivalent) to avoid damaging trim pieces.

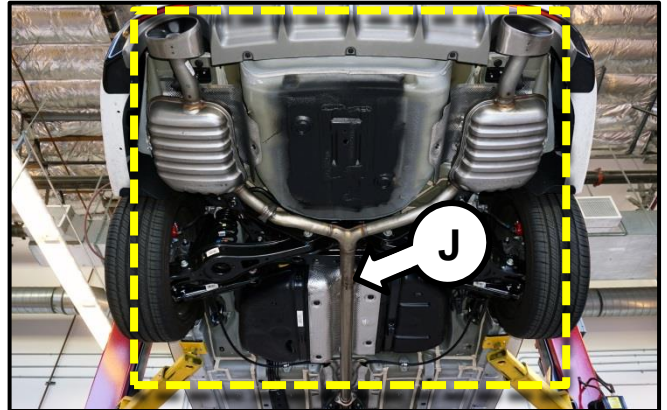


6. Remove the fuel pressure sensor (G), fuel control module connector (H) and the fuel feed tube quick connector (I).

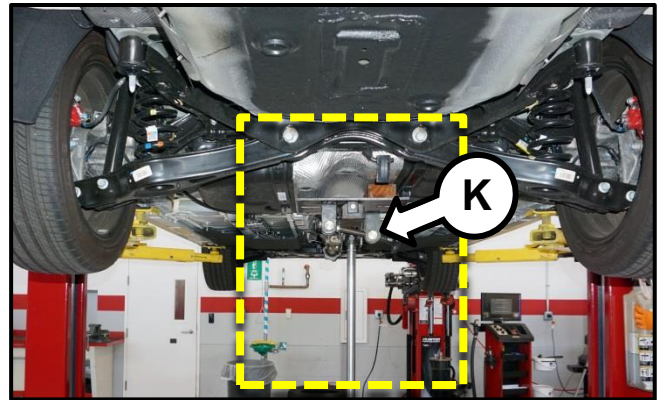


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INSTALLED VOLUNTARY EMISSIONS RECALL

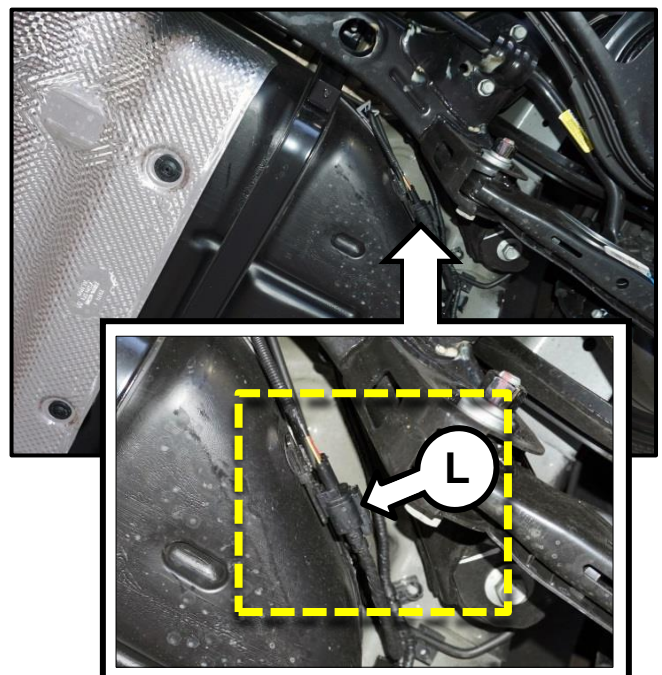
7. Remove the exhaust system (J).



8. Place a transmission jack (K) directly below the fuel tank, as shown. **TIP: Use a block of wood to provide even footing for the tank, as shown.**

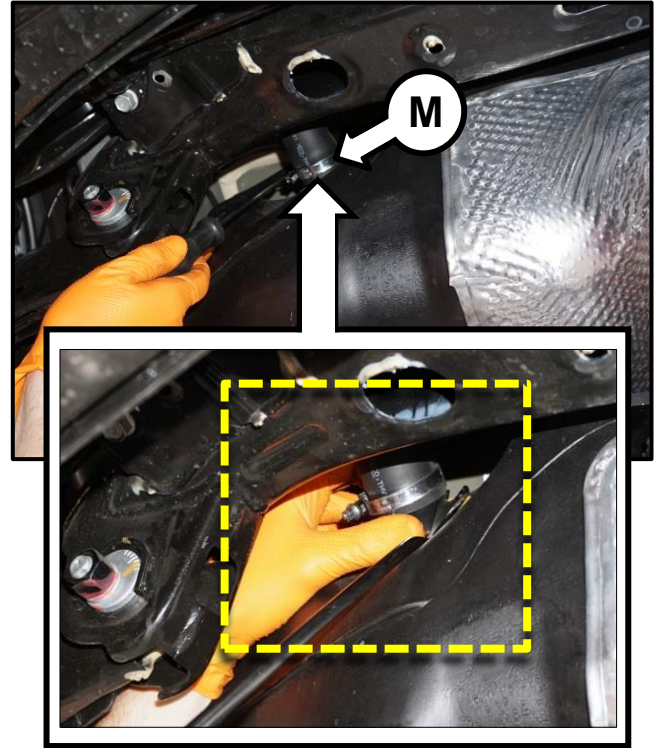


9. Undo the fuel tank pressure sensor harness connector (L), located on the right side of the fuel tank.



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10. Loosen the hose clamp (M) on the fuel filler hose, as shown. Then, carefully remove the hose from the fuel tank using a panel remover, as shown.

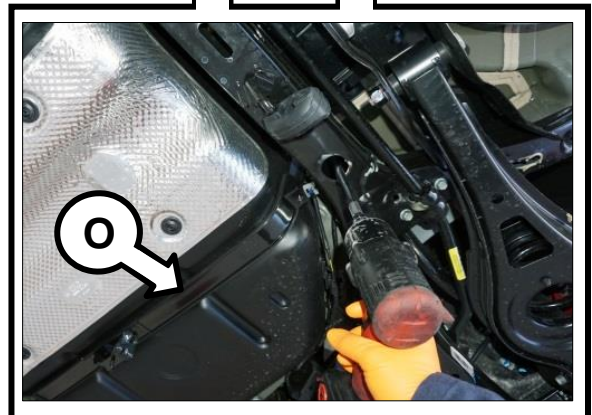
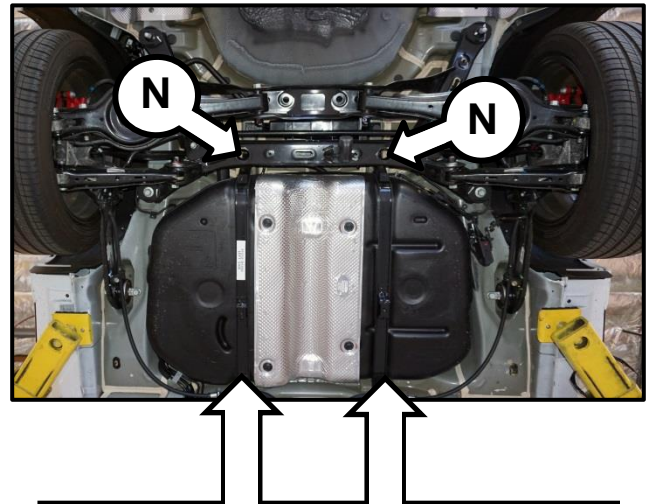


11. Remove two (2) bolts (N) securing the fuel tank straps (O) to the chassis.

Tightening Torque:
28.9 - 39.8 lb-ft (39.2 - 54.0 Nm)

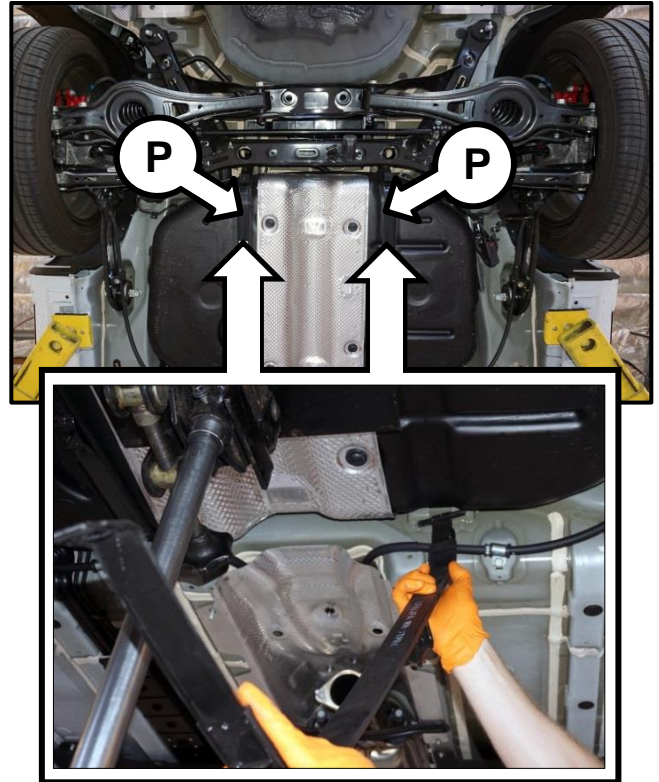
! WARNING

- To prevent possible of personal injury, make sure the fuel tank is firmly supported by the transmission jack prior to removing the fuel tank straps.
- Fuel vapors are highly flammable! Death or serious injury could result if they are ignited. Make sure there are no open flames or cigarette smoking in the area of the repair. Adequate ventilation is necessary to prevent a build-up of fumes which could ignite, causing fire or explosion.

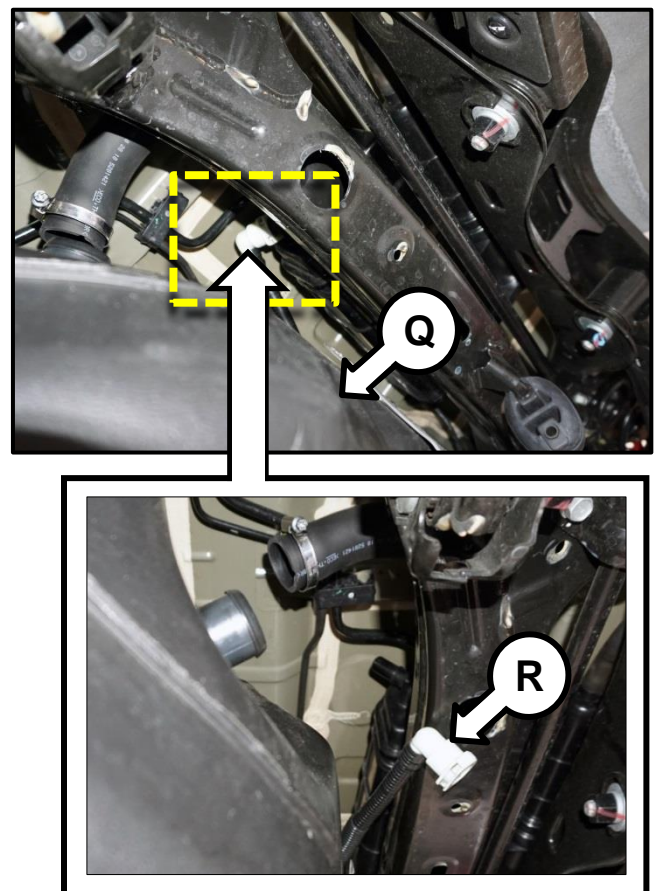


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12. Remove the fuel tanks straps (P), as shown. **NOTE: Transmission jack not shown to improve the clarity of illustration.**



13. Prior to lowering the fuel tank (Q), disconnect the vapor tube quick connector (R) from the evaporator canister.



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14. Carefully lower the fuel tank (S) using the transmission jack, as shown.

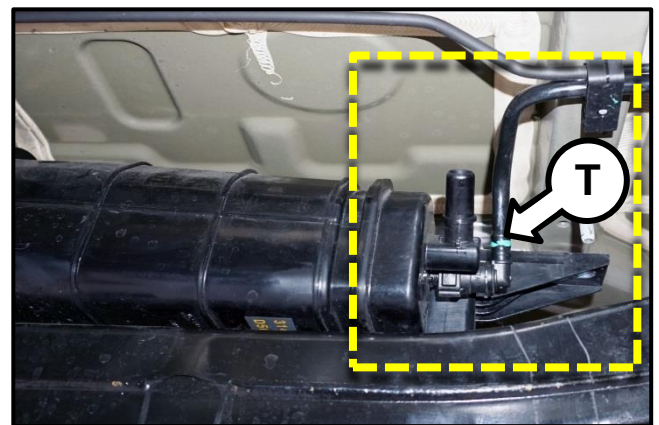


WARNING

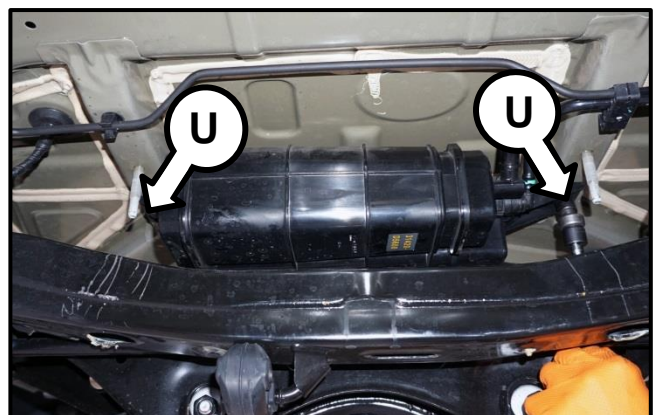
Fuel vapors are highly flammable! Death or serious injury could result if they are ignited. Make sure there are no open flames or cigarette smoking in the area of the repair. Adequate ventilation is necessary to prevent a build-up of fumes which could ignite, causing fire or explosion.



15. Disconnect all breather hoses (T) at the front and rear of the evaporative canister.



16. Remove two (2) bolts (U) securing the evaporative canister to the chassis and remove the evaporative canister from the vehicle.



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17. Install the replacement evaporative canister by reversing the removal steps.
18. Re-install all other removed components by reversing the removal steps
19. If fuel was removed from the vehicle, transfer the fuel back into the fuel tank.
20. Re-connect the negative (-) terminal onto the battery.
21. Restore the customer's radio presets as recorded in step 1, Pg. 5.
22. Start the vehicle to confirm proper operation and verify there are no fuel leaks present.

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For California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, Washington, New York and Delaware:

VEHICLE EMISSION RECALL - PROOF OF CORRECTION CARD

A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, Washington, New York and Delaware. Residents of these states, who own an affected vehicle, will be required to possess a Vehicle Emission Recall - Proof of Correction card as evidence of voluntary service campaign completion, when they apply for vehicle registration renewal.

WHAT TO DO WITH THE CARD:

The Vehicle Emission Recall - Proof of Correction card must be completed by the Dealership's Service Manager using a permanent ink pen. A fine point pen is recommended. When filling in the information, copy the information directly from the vehicle, not the repair order. **ALL INFORMATION MUST BE PRINTED AND NEAT.**

NOTE: DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED.

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in.

Vehicle Emission Recall - Proof of Correction				
License Number	Make	Year Model	Body Type	Vehicle Identification Number <div style="border: 1px solid black; height: 20px; width: 100%;"></div>
Manufacturer <u>Kia Motors America, Inc.</u>		Recall Number <u>SC 128</u>		
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.				
Dealer's Name		Address, City, State and Zip		
<div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
Dealership's Authorized Signature <div style="border: 1px solid black; height: 20px; width: 100%;"></div>				
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.				

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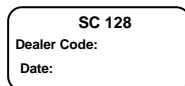

FILLING OUT AND APPLYING THE CAMPAIGN COMPLETION LABEL:

The dealer must fill in the Dealer Code and Date information fields on the Campaign Completion Label. Once complete, affix the campaign completion label under the hood of the vehicle, as shown below.

Apply SC 128 Campaign Completion Label onto the body in the area next to the shock tower, as shown. **NOTE: Be sure to clean the mounting surface to ensure proper label adhesion.**



REQUIRED PARTS:

Part Name	Part Number	Figure
Campaign Completion Label	UT160 SC128	
Vehicle Emission Recall-Proof of Correction Card	UT161 SC128	

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AFFECTED VEHICLE PRODUCTION RANGE:

Model	Production Date Range
Optima (JFa)	From Job #1 through January 15, 2016

REQUIRED PARTS:

Engine	Part Name	Part Number	Qty.
2.4L GDI (SULEV)	Cleaner Complete -Air	28110 C2330QQK	1
2.0L T	Cleaner Complete - Air	28110 C2500QQK	1
	Canister Complete	31400 D5500QQK	1

WARRANTY INFORMATION:

C CODE C99 N CODE: N99

Claim Type	Model	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	Optima (JFa) 2.4 GDI (SULEV)	28110 C2330	0	(SC 128) Air Cleaner Replace	161A03R0	0.3 M/H	28110 C2330QQK	1
	Optima (JFa) 2.0T	28110 C2500	0	(SC 128) Air Cleaner / Evaporator Canister Replace	161A03R1*	2.0 M/H	28110 C2500QQK and 31400 D5500QQK	1 1

*Op code includes diagnostic time

*** NOTICE**

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