



GROUP  
**Emissions  
Service Campaign**

MODEL  
**2011-2015MY  
Optima (TF)**

NUMBER  
**SC189**

DATE  
**August 2020**

## VOLUNTARY EMISSIONS SERVICE CAMPAIGN

SUBJECT:

### AUXILIARY CANISTER INSTALLATION AND EVAP LEAKAGE TEST (SC189)

This bulletin provides information on the installation of an auxiliary EVAP canister on some 2011-2015MY Optima (TF) vehicles equipped with Theta 2.4L GDI engines, produced from August 12, 2010 through July 23, 2015. This is to improve evaporative system performance and ensure compliance with Federal and California emission regulation standards. Before conducting the procedure, verify the vehicle is included in the list of affected VINs.

Note: The existing canister should not be uninstalled or replaced.



Auxiliary Canister

#### \* NOTICE

VINs which start with KNA are designated Optima (TF/TF HEV) and built in South Korea. VINs that start with 5XX are designated Optima (QF) and built in the United States. This campaign does not apply to Optima (TF HEV and QF) model vehicles.

#### \* 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.

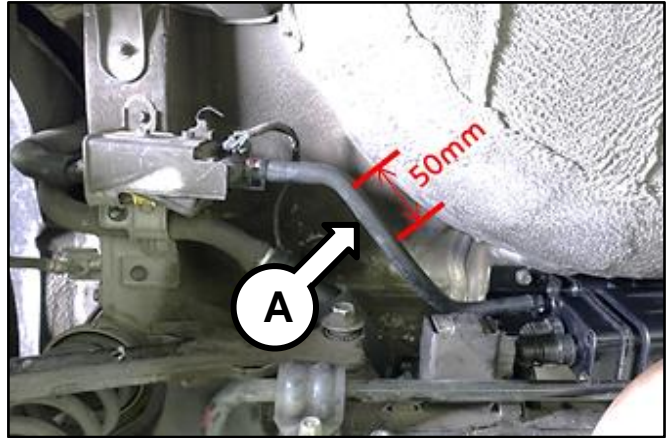
Printed TSB copy is for reference only; information may be updated at any time.  
Always refer to KGIS for the latest information.

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

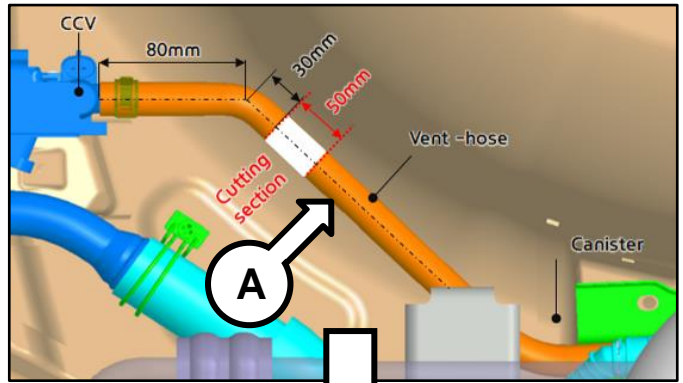
# AUXILIARY CANISTER INSTALLATION AND EVAP LEAKAGE TEST (SC189)

## Installation Procedure:

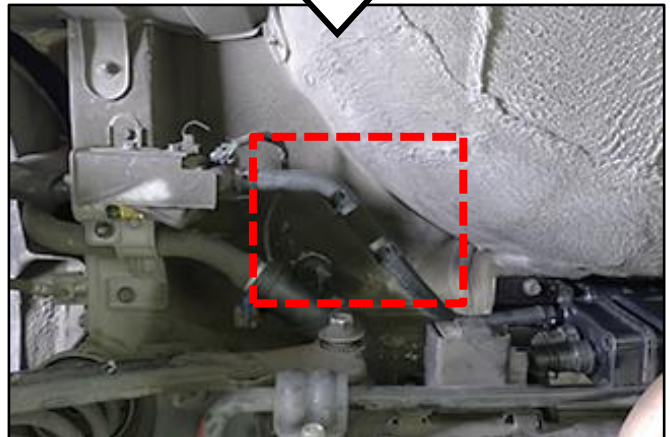
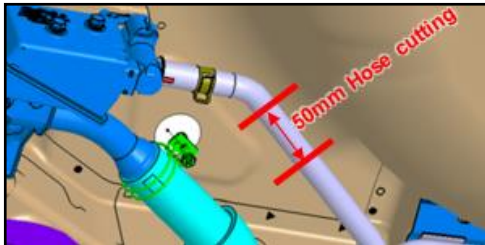
1. Lift vehicle on a hoist and locate the evaporative system vent hose (A) near the charcoal canister.



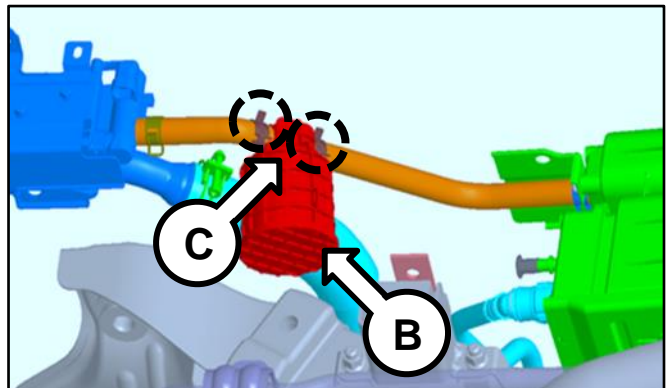
- 2a. Measure and mark the 50mm cutting section of the evaporation vent hose (A) in the area shown.



- 2b. Using a blade, cut off the 50mm of the evaporation hose as shown.



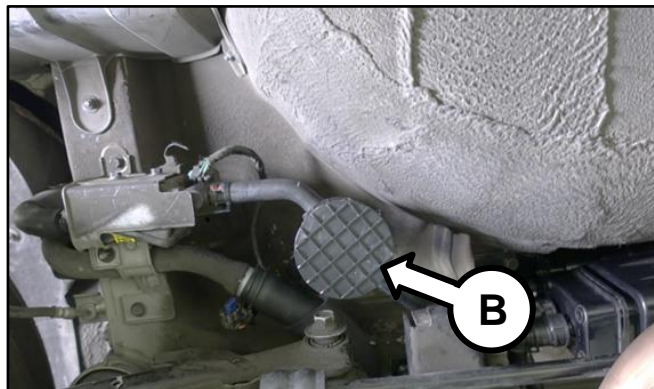
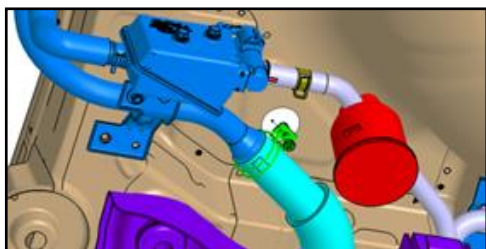
- 3a. Install the new auxiliary canister (B) and secure using the two (2) supplied hose clamps (C).



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- 3b. Ensure that the auxiliary canister (B) is angled as to not make contact with any surrounding body parts.



4. Perform KDS Evap Leakage Test using KDS.

Note: “Enable Condition” may display differently.

S/W Management

• EVAP Leakage Test

Purpose	To check the evaporative system and fuel leakage when evaporative system related repair is done or component is replaced.
Enable Condition	<ol style="list-style-type: none"> <li>1. Engine Idle</li> <li>2. No DTC</li> <li>3. Fuel Level : 20-70%</li> <li>4. Battery voltage greater than 11V</li> <li>5. 2 Min after the engine start</li> <li>6. Coolant Temperature : 80°C(176°F)</li> </ol>
Concerned Component	Purge Control Solenoid Valve(PCSV), Canister Close Valve(CCV), Fuel Tank Pressure Sensor(FTPS), Evap. Line
Concerned DTC	P0441, P0442, P0455, P0456, P2422
Fail Safe	Warning Lamp On
Etc	Wait at least 5 min. before re-performing Evap. leakage test.

Do not touch any system buttons while performing this function.

5. Confirm test completed to ensure auxiliary canister installation was successful.

Information

Test completed !

No leak detected.

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**ATTENTION: THE PROOF OF CORRECTION CARD AND CAMPAIGN COMPLETION STICKER ARE RESTRICTED TO DEALERS IN THE FOLLOWING STATES:**

California, Connecticut, District of Columbia, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont, and Washington. See Parts Information below to order the Proof of Correction Card and Campaign Completion Label from the PDC.

**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.**

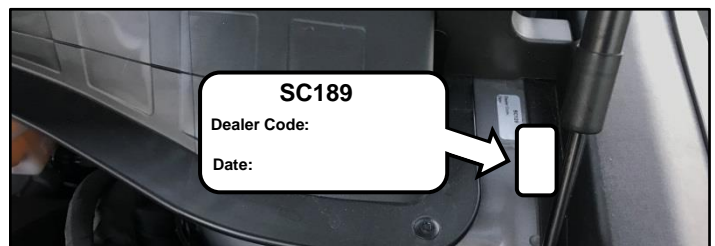
**NOTE: DO NOT COMPLETE THE CARD UNLESS THE SERVICE CAMPAIGN WORK IS COMPLETED.**

The copy of the card shown below indicates the areas to be filled in. Each area must be filled in. The completed card should be given to the owner of the vehicle upon completion of the Campaign and placement of the **Campaign Completion Label** outlined below.

**FILLING OUT AND APPLYING THE CAMPAIGN COMPLETION LABEL (CA and S.177 STATES ONLY):**

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.

**CA and S.177 States Only:** Apply SC189 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.**






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## AUXILIARY CANISTER INSTALLATION AND EVAP LEAKAGE TEST (SC189)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Optima (TF)	August 12, 2010 to July 23, 2015

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Auxiliary Canister Kit	31410 2T511QQK		1
			
Campaign Completion Label	UT160 SC189*	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> <p style="text-align: center; margin: 0;"><b>SC189</b></p> <p>Dealer Code:</p> <p>Date:</p> </div>	1
Vehicle Emission Recall Proof of Correction Card	UT161 SC189*		1

**\*Completion Label and Proof of Correction Card only required for vehicles registered in CA, CT, DE, MA, MD, ME, NJ, NY, OR, PA, RI, VT, and WA "States" only.**

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
R	31421 2T600	0	(SC189) Auxiliary Canister Installation and EVAP Leakage Test	200008R0	0.4 M/H	31410 2T511QQK	1

### \* NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SC189** when accessing the WebDCS system.

