

| GROUP                         | MODEL                          |
|-------------------------------|--------------------------------|
| Emissions Service<br>Campaign | 2011-2016MY<br>Optima (TF HEV) |
| NUMBER                        | DATE                           |
| SC208                         | August 2021                    |

# VOLUNTARY EMISSIONS SERVICE CAMPAIGN

# SUBJECT: AUXILIARY CANISTER KIT INSTALLATION (SC208)

This bulletin provides the procedure for the installation of an add-on auxiliary canister on some 2011-2016MY Optima (TF HEV) vehicles\* equipped with 2.4L Theta II engine, produced from February 15, 2011 through July 22, 2015. This is to improve evaporative system performance and ensure compliance with Federal and California emission regulation standards. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

| Model           | Model Year Production Date Range                   |                                     |  |  |
|-----------------|--|-------------------------------------|--|--|
| Optime (TE HEV) | 2011-2012MY February 15, 2011 to December 28, 2012 |                                     |  |  |
| Optima (TF HEV) | 2013-2016MY  | September 27, 2012 to July 22, 2015 |  |  |



Auxiliary Canister Kit

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To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service  $\rightarrow$  Warranty Coverage  $\rightarrow$  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.

A printed copy is for reference only; publication information can be updated at any time. Always refer to KGIS for the latest information. After logging in kdealer.com, the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

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SUBJECT:

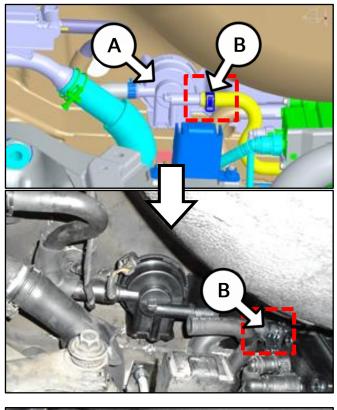
## AUXILIARY CANISTER KIT INSTALLATION (SC208)

### Installation Procedure:

- 1. Turn the ignition switch the 'OFF' position and disconnect the negative (-) battery cable.
- 2. Raise the vehicle on lift.
- Carefully disconnect the NVLD (A) ventilation hose by releasing the hose clamp (B) and slide the clamp (B) back as shown.

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Be careful <u>not</u> to damage the hose during removal.

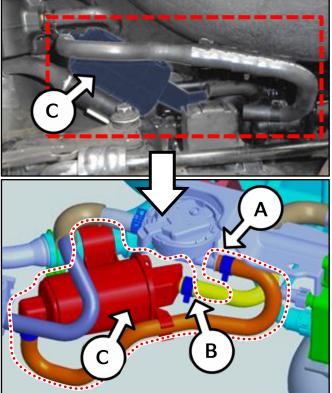


4a. Install the add-on auxiliary canister (C) as shown.

### **(i)** IMPORTANT

Be sure to follow the additional detailed installation instructions on page(s) 3-4.

- 4b. Connect the NVLD ventilation hose clamp (B) to the add-on auxiliary canister (C).
- 4c. Connect the new ventilation hose end from the add-on auxiliary canister to the NVLD (A).



4d. Ensure fuel filler hose clamp (D) is in correct position after mounting the add-on auxiliary canister.

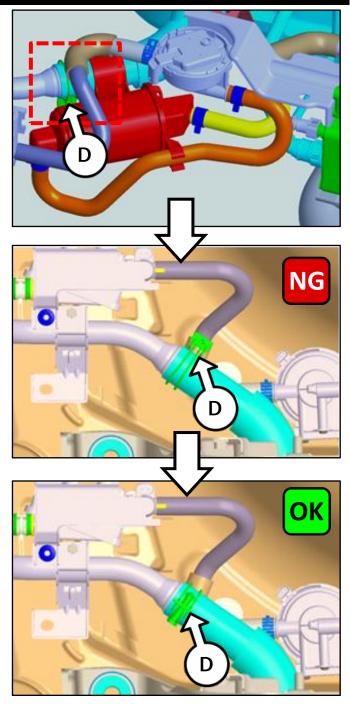
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There may be interference (NG) from the new add-on auxiliary canister to the fuel tank filler hose clamp (D). If interference is present, adjust the hose clamp as shown (OK).

Failure to adjust the hose clamp (D) may damage the add-on auxiliary canister evaporative hose.

### **NOTICE**

If interference is present, loosen the hose clamp and turn the fuel tank filler clamp (E) 90 degrees (or face down) and retighten.

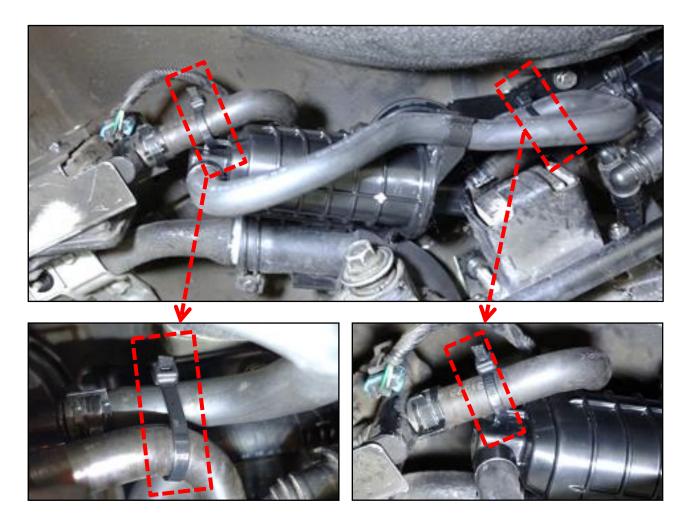


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5a. After mounting the add-on auxiliary canister, secure the evaporative hoses using the supplied zip ties as shown below:



Note: The shape of the evaporative hose may vary by production date.

Refer to the next page for important details when securing the evaporative hoses.

#### SUBJECT:

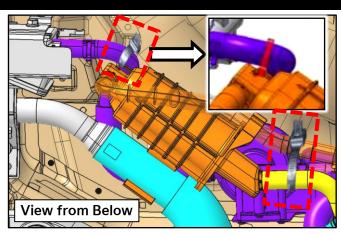
### AUXILIARY CANISTER KIT INSTALLATION (SC208)

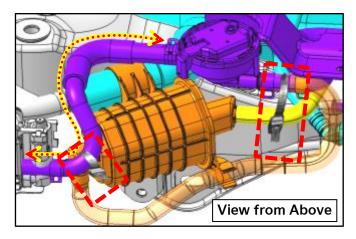
5b. Secure the two (2) evaporative hoses with the supplied zip ties. Refer to the vehicle production year for the correct zip tie position shown.

#### Note: 2011-2012MY shown

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Be careful <u>not</u> to deform the hoses when tightening the zip ties.

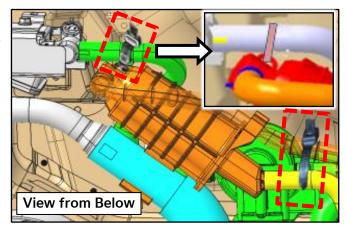


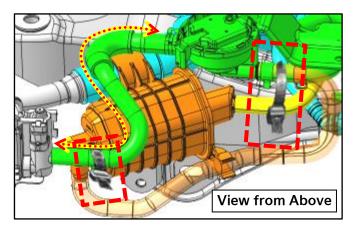


#### Note: 2013-2016MY shown

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Be careful <u>not</u> to deform the hoses when tightening the zip ties.





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# AUXILIARY CANISTER KIT INSTALLATION (SC208)

 Using KDS, perform the 'EVAP Leakage Test' under S/W Management.

Ensure "Enable Condition" is met.

Note: "Enable Condition" may display differently depending on upgrade status.

Select 'OK'.

| HOME Online            | OPTIMA(TF)2014/G2.4 GDL.  |
|------------------------|---|
|                        | S/W Management  |
| EVAP Leakage Test      |   |
| Purpose                | To check the evaporative system and fuel leakage<br>when evaporative system related repair is done or<br>component is replaced.   |
| Enable Condition       | 1. Engine Idle<br>2. No DTC<br>3. Fuel Level : 20-70%<br>4. Battery voltage greater than 11V<br>5. 2 Min after the engine start<br>6. Coolant Temperature : 80°C(176°F) |
| Concerned<br>Component | Purge Control Solenoid Valve(PCSV), Canister Clos<br>Valve(CCV), Fuel Tank Pressure Sensor(FTPS), Eva<br>Line   |
| Concerned DTC          | P0441, P0442, P0455, P0456, P2422   |
| Fail Safe              | Warning Lamp On   |
| Etc                    | Wait at least 5 min. before re-performing Evap.<br>leakage test.  |

7. Confirm "Test completed" - No leak detected.

Select 'OK'.

| ñ  | HOME    | Online      | ОРТІМА(TF)2014/G2.4 GDL.               | vci Q              | •      | 33 |
|----|---------|-------------|--|--------------------|--------|----|
|    |         |             | S/W Management                         |                    |        | ₽  |
|    |         |             |  |                    |        |    |
| 1  |         | Leakage Tes | it]<br>functional check of the evapora | tive system and    | Lookac | _  |
|    | check.  |             | renework of the eventure               | ure system and     | reakay | ,  |
| In | formati | on          |  |                    |        | _  |
|    |         | ompleted !  |  |                    |        |    |
|    | NO lea  | k detected. |  |                    |        |    |
|    |         |             | ок                                     |                    |        |    |
|    |         |             |  |                    |        |    |
|    |         |             |  |                    |        |    |
|    |         |             |  |                    |        |    |
|    |         |             | Cancel                                 |                    |        |    |
|    |         | Do not tou  | ch any system buttons while perfor     | ming this function | ML.    |    |



### ATTENTION: THE PROOF OF CORRECTION CARD AND CAMPAIGN COMPLETION STICKER ARE RESTRICTED ONLY 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

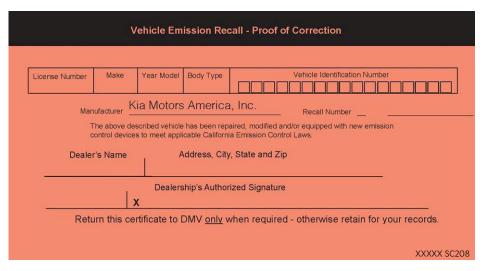
A Vehicle Emission Recall - Proof of Correction card must be filled out for all vehicles registered in California, Connecticut, Maine, Maryland, Massachusetts, New Jersey, Oregon, Pennsylvania, Rhode Island, Vermont, Washington, New York and Delaware. Residents of these states, who own an affected vehicle, 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 <u>must be completed by the Dealership's Service Manager</u> <u>using a permanent ink pen</u>. 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 <u>SC208</u> 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.





SUBJECT:

### AUXILIARY CANISTER KIT INSTALLATION (SC208)

### AFFECTED VEHICLE RANGE:

| Model           | Model Year Production Date Range |                                       |
|-----------------|----------------------------------|---------------------------------------|
| Optima (TF HEV) | 11-12MY                          | October 28, 2010 to December 28, 2012 |
|                 | 13-16MY                          | February 15, 2012 to July 22, 2015    |

### **REQUIRED PART:**

| Part Name   | Part Number    | Figure  | Qty. |
|---|----------------|---|------|
| Auxiliary Canister Kit                              | 31410 4R511QQK |   | 1    |
| Campaign<br>Completion Label                        | UT161 SC208*   | SC208<br>Dealer Code:<br>Date:  | 1    |
| Vehicle Emission Recall<br>Proof of Correction Card | UT160 SC208*   | Linear formation from a final of transmission The second second from the second seco | 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<br>Type | Causal P/N  | Qty. | Repair<br>Description                         | Labor Op<br>Code | Op<br>Time | Replacement<br>P/N | Qty. |
|---------------|-------------|------|---|------------------|------------|--------------------|------|
| R             | 31410 4R700 | 0    | (SC208)<br>Auxiliary Canister<br>Installation | 210040R0         | 0.4<br>M/H | 31410 4R511QQK     | 1    |

Note: Refer to Warranty Bulletin 2021-12 for claim submission procedures.

### **NOTICE**

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference <u>SC208</u> when accessing the WebDCS system.

