



HYUNDAI

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 20-01-012H
DATE MARCH, 2020	MODEL TUCSON (LM)

SUBJECT: CANISTER INSPECTION AND AUXILIARY CANISTER KIT INSTALLATION - (VOLUNTARY EMISSIONS SERVICE CAMPAIGN 958)

***** Retail Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles whenever an affected vehicle is in the shop for any maintenance or repair.




When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description:

This bulletin provides the procedure to inspect the evaporative system's existing canister for loose charcoal, and if confirmed the new Auxiliary Canister Kit of this bulletin will be installed to improve evaporative system performance. The existing canister will not be replaced.

APPLICABLE VEHICLES: All 2010-2015 Tucson (LM) 2.4L Engine with ULEV emissions.

Parts Information:

MODEL	PART NUMBER	DESCRIPTION	PHOTO	REMARK
	31410-2S510QQH	AUXILIARY CANISTER KIT		Canister 1EA Hose 1EA Clamp 1EA
Tucson(LM)	00305-SC958	Campaign Sticker		Apply to all vehicles regardless of State
	NP050-09006	Vehicle Emission Recall-Proof of Correction Card		Order only for States: CA, CT, DE, MA, MD, ME, NJ, NY, OR, PA, RI, VT, WA.

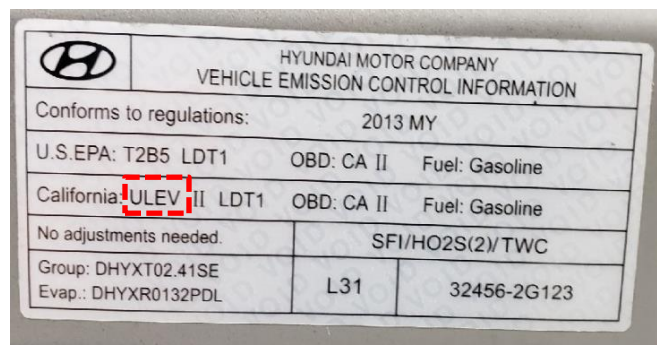
Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians, Fleet Repair

SUBJECT:CANISTER INSPECTION AND AUXILIARY CANISTER KIT INSTALLATION
(VOLUNTARY EMISSIONS SERVICE CAMPAIGN 958)**Warranty Information:**

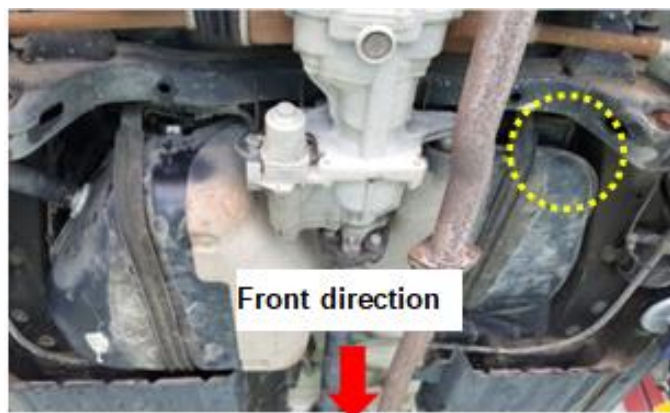
MODEL	OP CODE	OPERATION	OP TIME	CAUSAL P/N	NATURE CODE	CAUSE CODE
Tucson(LM)	90C071R0	CANISTER INSPECTION	0.3	31420-2S500	I11	ZZ7
	90C071R1	CANISTER INSPECTION AND AUXILIARY CANISTER KIT INSTALLATION	0.5	31420-2S500	I11	ZZ7

NOTE 1: Submit claim on Campaign Claim Entry Screen.**NOTE 2:** If a part is found in need of replacement while performing this Service Campaign and the affected part is still under warranty, submit a separate claim using the same Repair Order Number and the same Causal Part Number as the Campaign Claim. If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.**Service Procedure:**

1. Confirm the vehicle's emission underhood label includes "ULEV".



2. Lift up the vehicle and locate the position of the canister.



3. Canister Inspection Step:

Place the handle end of a rubber hammer to the canister right edge as shown in the picture.

Tap the hammer head rapidly at an approximate rate of 10 times over 2 seconds and inspect for noise inside the canister.

PASS:

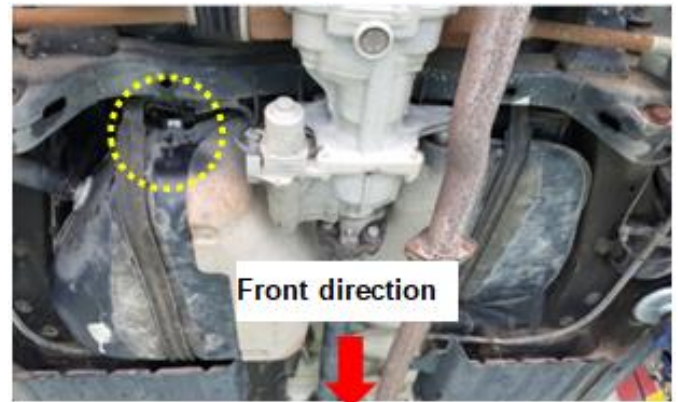
- Only rubber hammer hitting noise and canister body vibration is heard.
- ***Service Procedure is complete with Inspection only performed.***

NO PASS:

- Loose charcoal shaking noise is heard from inside the canister. (NOTE: It may sound similar to sand shaking around)
- ***Proceed to additional steps below to install the Auxiliary Canister Kit.***



4. Check the position of the Canister Close Valve (CCV).



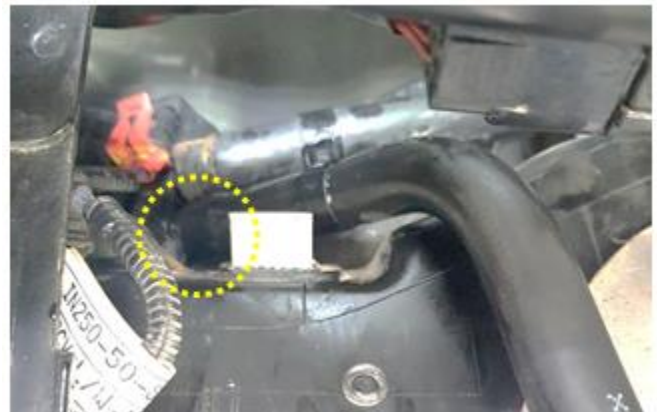
5. Remove the CCV extension wire clip.



6. Disconnect the vapor hose from the CCV using needle nose pliers.



7. Insert the supplied hose from the Auxiliary Canister Kit to the CCV and secure the clamp in place.



8. Install the supplied auxiliary canister to the left hand fuel tank band and temporarily tighten the bolts.



9. Connect the existing vapor hose to the auxiliary canister nipple.

NOTE: Remove the existing clamp and install the supplied clamp.



10. Connect the supplied hose to the bottom nipple of the auxiliary canister.



11. Tighten the auxiliary canister mounting bolts.

Tightening torque:

3.9 ~ 5.9N.m (0.4 ~ 0.6kgf.m, 2.9 ~ 4.3lb-ft)



12. Install the CCV extension wire clip.



13. **GDS Evap Leakage Test:**

Perform GDS Evap Leakage Test according to the GDS instructions.

This will confirm that the installation of parts and hoses are secure without a system vacuum leak.

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	1. Engine Idle 2. No DTC 3. Fuel Level : 20-70% 4. Battery voltage greater than 11V 5. 2 Min after the engine start 6. Coolant Temperature : 80°C(176°F)
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.

OK

Do not touch any system buttons while performing this function.

S/W Management

■ Evap. Leakage Test

• [Evap. Leakage Test]

This test is used for functional check of the evaporative system and leakage check.

Information

Test completed !

No leak detected.

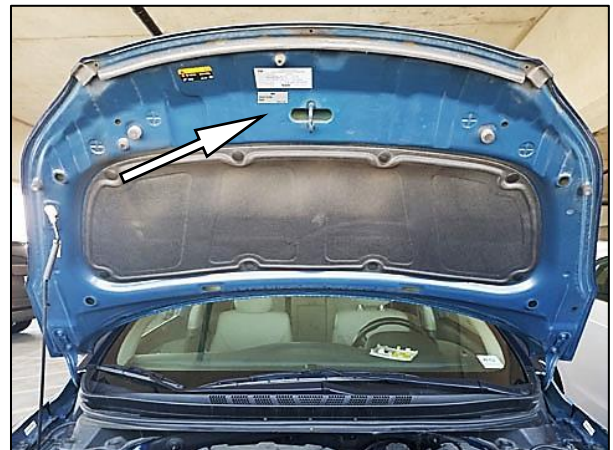
OK

Cancel

Do not touch any system buttons while performing this function.

14. Fill in the information on the 00305-SC958 Campaign Sticker and apply onto the hood in the area below the Emission Label as shown.

Be sure to clean the mounting surface to ensure proper label adhesion.



- 15. **NOTE: This step is only for vehicles registered in California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington:**

Complete the campaign card per the below instructions:

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, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Oregon, Pennsylvania, Rhode Island, Vermont and Washington. 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 from the repair order. ALL INFORMATION MUST BE PRINTED AND NEAT.

The copy of the card shown below indicates all the areas to be filled in.

The completely filled out Vehicle Emission Recall - Proof of Correction card should be given to the owner of the vehicle upon completion of the Campaign.

1. Enter Vehicle's License No.

2. Enter "Hyundai" Make

3. Enter Model Year

4. Enter "TUCSON" Body Type

5. Enter the vehicle's VIN Number

6. Enter "958" Recall Number

7. Enter Dealership Name

8. Enter Dealership's Address. NOTE: Enter the physical address, not the mailing address (not a P.O. Box)

9. Enter Date of Repair

10. Service Manager Sign Here

Vehicle Emission Recall - Proof of Correction

License No. Make Model Year Body Type Vehicle Identification Number

Manufacturer: Recall Number:

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

Date Dealership's Authorized Signature

Return this certificate to DMV only when required - otherwise retain for your records.

NP050-09006 8/14