

 <b>HYUNDAI</b>   NEW THINKING. NEW POSSIBILITIES.	GROUP <b>CAMPAIGN</b>	NUMBER <b>16-01-033</b>
	DATE <b>AUGUST 2016</b>	MODEL(S) <b>TUCSON (LM)</b>
<b>Technical Service Bulletin</b>		
<b>SUBJECT: CENTER MUFFLER ASSEMBLY REPLACEMENT (SERVICE CAMPAIGN TTK)</b>		

**★ IMPORTANT**

**\*\*\* Retail Vehicles Only \*\*\***

Dealers must perform this Service Campaign 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:** Some 2014-2015MY Tucson (LM) vehicles may have a weakened weld near where the center muffler is attached to the exhaust pipe. This condition may cause the center exhaust pipe to separate from the muffler resulting in exhaust leak and/or exhaust noise.

Follow the procedure outlined in this bulletin to replace the center muffler assembly to correct this condition.

**Applicable Vehicles:** Certain 2014-2015MY Tucson (LM) 2.0L and 2.4L vehicles

**Parts Information:**

Part Name	Part Number	Application
Center Muffler (QTY 1)	 (Center pipe length varies by P/N*)	28650-2S910QQH THETA- II 2.4L GDI (ULEV) (*Refer to the NOTE below.)
		28650-2S950QQH THETA- II 2.4L GDI (SULEV) (*Refer to the NOTE below.)
		28650-2S840QQH NU 2.0L GDI (ULEV)
Clamp (QTY 1)		28641-C8540QQH Use for attaching replacement center muffler pipe to catalyst

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**\*NOTE:** (2.4L Only) Use the correct campaign part number based on the emission specification. Refer to the pipe length measurement below to distinguish the emission specs with the part numbers.

THETA-II 2.4L GDI	LENGTH (From rear weld of catalyst to front dent mark of center pipe)
<p><b>(ULEV)</b> 28650-2S910QQH (Campaign) Reference: 28600-2S910 (OE Part)</p>	
<p><b>(SULEV)</b> 28650-2S950QQH (Campaign) Reference: 28600-2S950 (OE Part)</p>	

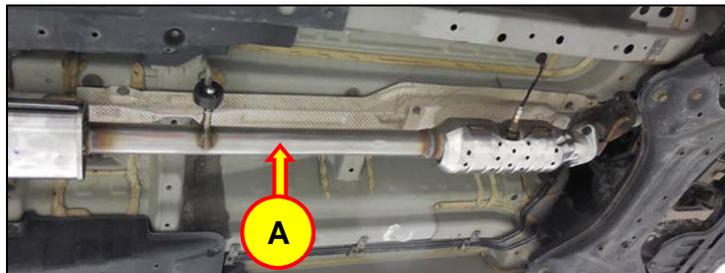
**Warranty Information:**

Model	Op Code	Operation	Op Time
Tucson (LM)	60C026R0	CENTER MUFFLER REPAIR	0.5 M/H

**NOTE:** Submit Claim on Campaign Claim Entry Screen

**Service Procedure:**

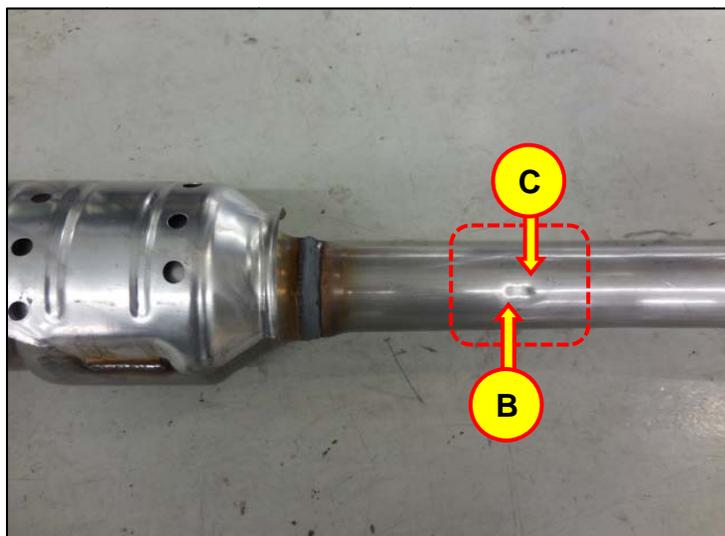
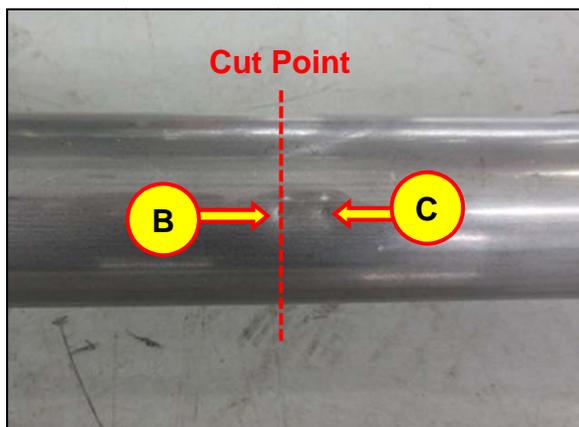
- Lift the vehicle on a hoist and then refer to the Shop Manual to remove the center muffler (A) from the vehicle.
  - Engine Mechanical → Intake And Exhaust System → Muffler → Repair Procedures



**NOTICE**

Some engine and emission types may require the removal of the rear O2 sensor from the catalyst.

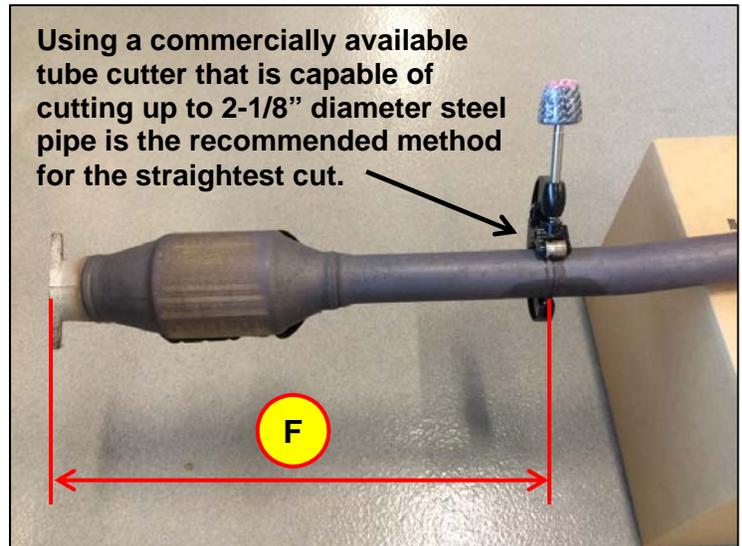
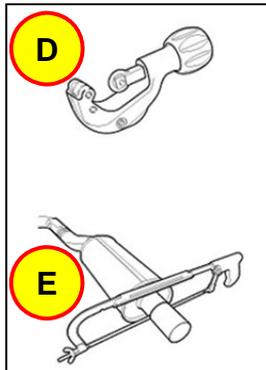
- Locate the front dent (B) and rear dent (C) of the center muffler pipe for cutting at point (B).



3. Cut the center muffler pipe perpendicular to the front dent (B) cutting point.
- Retain the cut portion with the catalyst (F) to be reused with the new center muffler.

**NOTICE**

Mark the circumference of the pipe and cut the pipe by using a pipe cutter (D), a hack saw (E), or equivalent.



4. Debur the cut edge of the pipe at the rear portion of the catalyst (F) using a metal file.

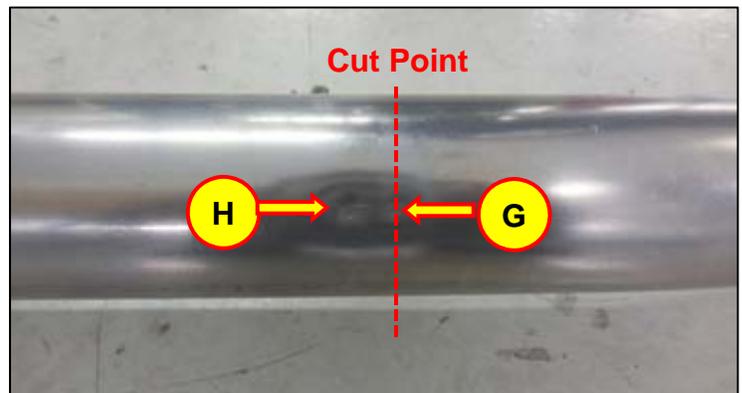


**NOTICE**

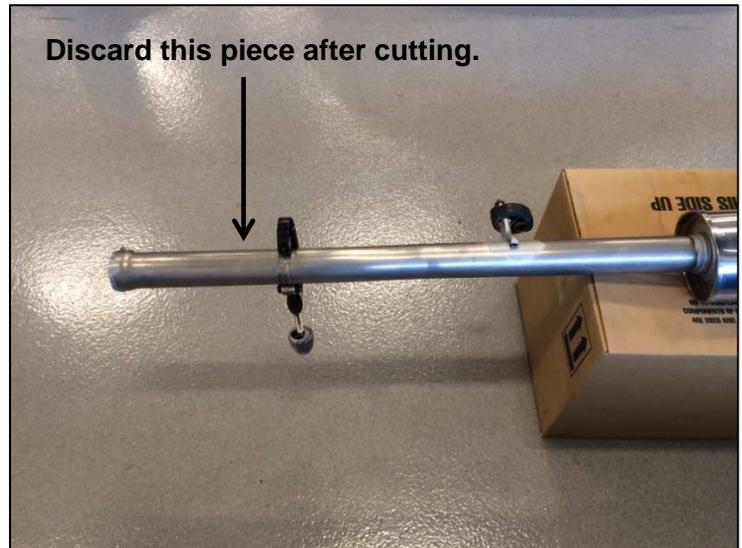
Do not allow any foreign material to enter inside the catalyst pipe.



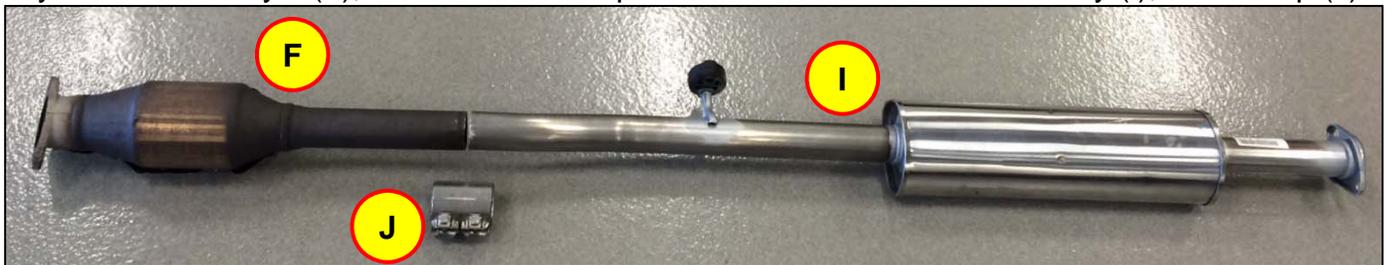
5. Locate the front dent (H) and rear dent (G) of the new replacement campaign center muffler pipe for cutting at rear dent point (G).



6. Cut the new replacement center muffler pipe perpendicular to the rear dent (G) cutting point.
- Discard the short cut off portion of the new center muffler.
  - Debur the cut edge of the pipe at the front portion of the replacement center muffler pipe.



Layout of the catalyst (F), shortened new replacement center muffler assembly (I), and clamp (J).

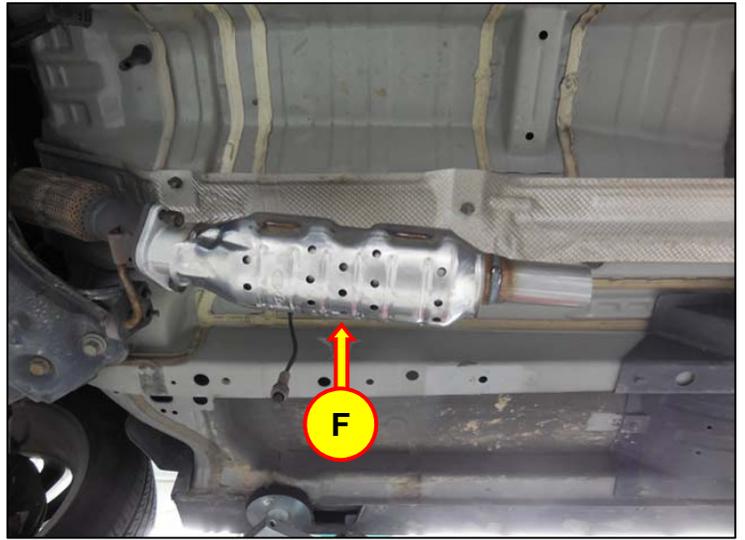


**NOTICE**

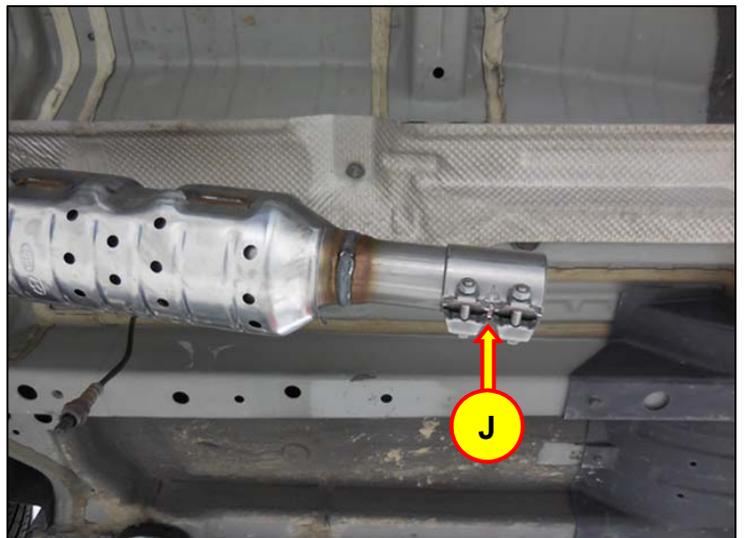
Remove any sticker labels and protective covering tape from the new replacement center muffler assembly prior to installation.



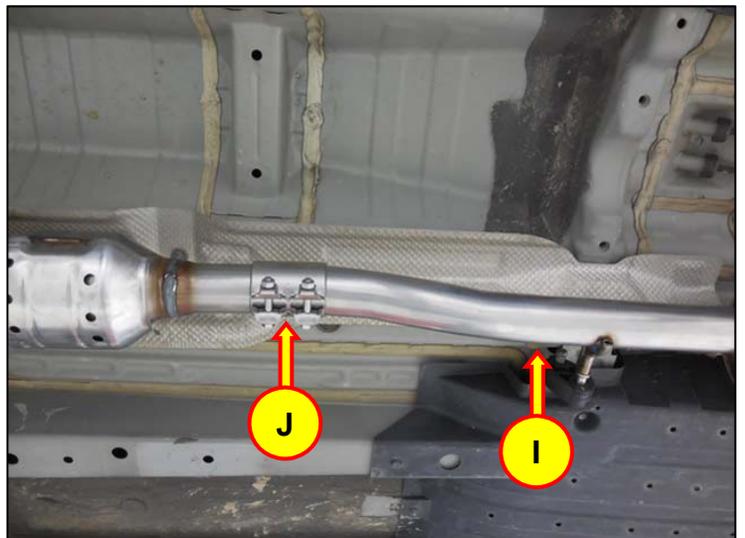
7. Reuse the front flange gasket and install the catalyst (F), then temporarily hand tighten the flange nuts.



8. Install the clamp (J) to the catalyst pipe with the clamp bolts facing horizontally.

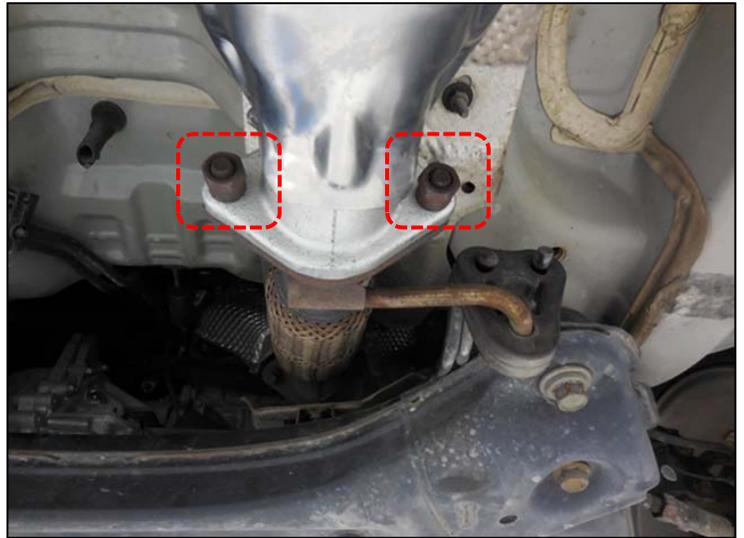


9. Reuse the rear flange gasket and install the new replacement center muffler (I) to the clamp (J), then temporarily hand tighten the flange nuts.



10. Tighten the front flange mounting fasteners of the center muffler catalystr.

- **Tightening torque: 49 Nm (36 lb-ft)**



11. Tighten the rear flange mounting fasteners of the center muffler pipe.

- **Tightening torque: 49 Nm (36 lb-ft)**



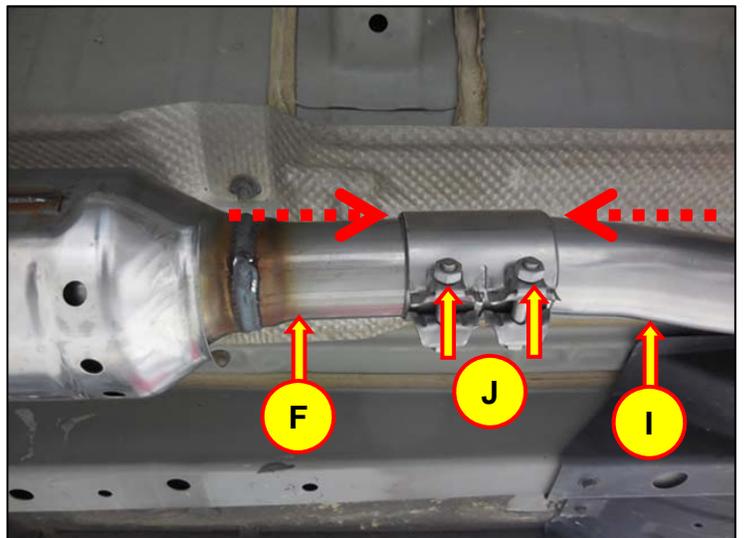
12. After making sure that the two cut ends of the pipes are butted together inside the clamp:

- a) Slide and hold the clamp (J) towards the catalystr (F) while initially tightening the front clamp fastener.
- b) Slide and hold the center muffler pipe (I) towards the clamp (J) while initially tightening the rear clamp fastener.

- **Final tightening torque: 22 Nm (16 lb-ft)**

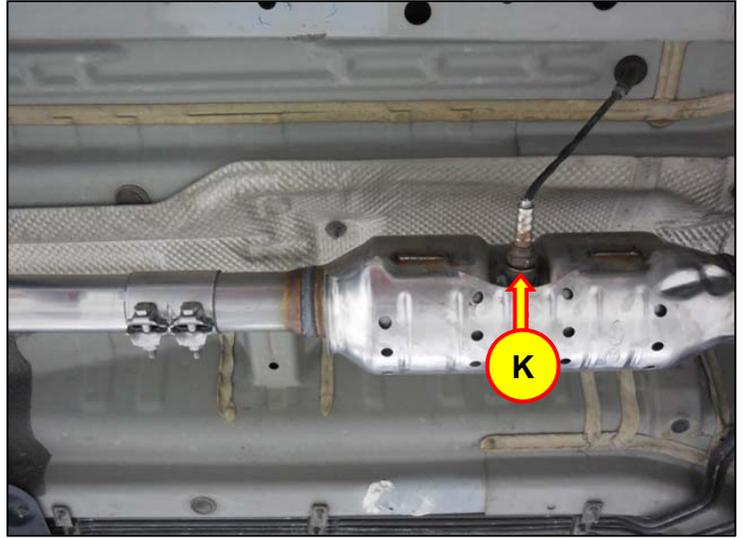
**NOTICE**

This clamp forms a crush type seal to the pipes and therefore it cannot be reused after tightening.



13. Reinstall the rear O2 sensor to the catalyst (if applicable depending on engine and emission type).

- **Tightening torque: 22 Nm (16 lb-ft)**



14. Verify repair.

- Check that there are at least 30mm of clearance between the rear bumper cover and the exhaust tip finisher.
- Operate the engine briefly to confirm that there is no exhaust leak and/or exhaust noise from the clamped pipe areas.

