

**NUMBER:** 11-002-13

**GROUP:** Exhaust System

**DATE:** December 13, 2013

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**SUBJECT:**

Exhaust Rattle At Idle Speeds

**OVERVIEW:**

This bulletin involves replacing the catalytic converter with a new assembly and hanger system.

**MODELS:**

2010 -2013 (JK) Wrangler (International Only)

**NOTE:** This bulletin applies to JK Wrangler models only with 2.8L Turbo Diesel Engine (sales code ENS) on or before January 06, 2013 (MDH 0106XX).

**SYMPTOM/CONDITION:**

The customer may experience a buzz, squeak or rattle (BSR) at idle speeds..

**DIAGNOSIS:**

If the customer describe the symptom/condition, perform the Repair Procedure.

**PARTS REQUIRED:**

Qty.	Part No.	Description
1	68231948AA	Convertor, Catalytic
1	68231947AA	Bracket, Catalytic Convertor

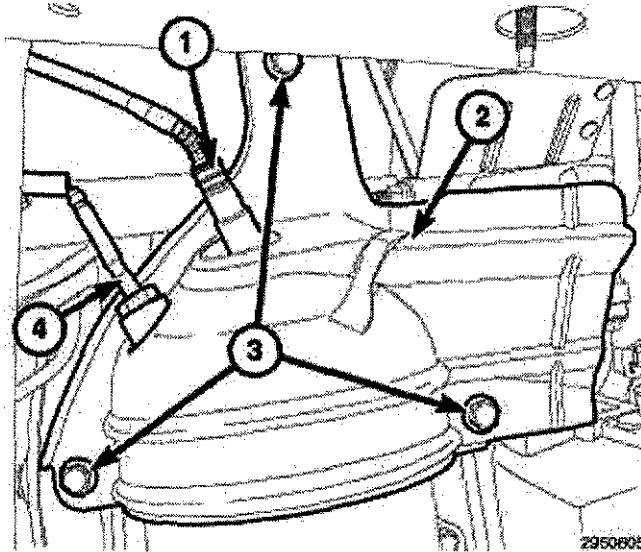
**SPECIAL TOOLS/EQUIPMENT REQUIRED:**

NPN	Torque Wrench
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**REPAIR PROCEDURE:**

1. Raise the vehicle on a suitable hoist. Refer to the detailed service procedures available in DealerCONNECT> TechCONNECT under: Service Info> 04- Vehicle Quick Reference> Hoisting> Standard Procedure> Hoisting.
2. Inspect catalytic convertor and DPF brackets for cracks.
3. Is there a crack bracket?
  - a. Yes >>> Proceed to Step #4
  - b. No >>> Further diagnostics required.
4. Inspect the DPF brackets for cracks.

5. Is just the catalytic convertor bracket cracked?
  - a. Yes >>> Replace the DPF after the catalytic convertor has been removed p roceed to Step #6
  - b. No >>> Proceed to Step #6
6. Remove the wheel well on passengers side for access to catalytic converter assembly.
7. Remove the wheel well on passengers side for access to catalytic converter assembly.
8. Remove the O2 sensor and temperature sensors from the catalytic converter assembly (Fig. 1)



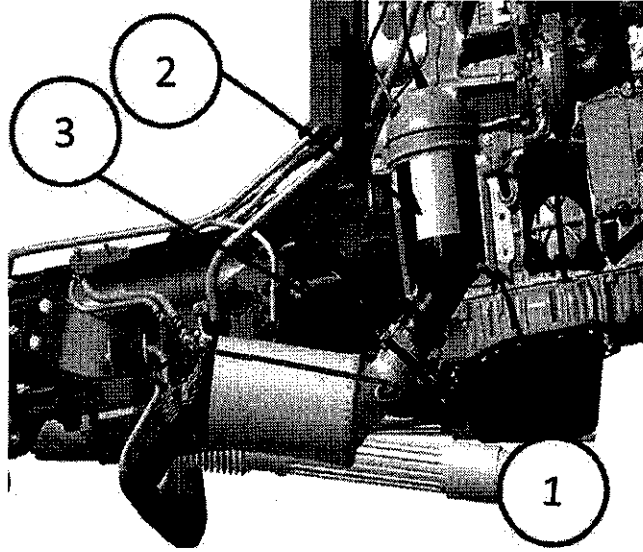
**Fig. 1 Exhaust**

- 1 - O2 Sensor
- 2 - Heat Shield
- 3 - Shield Mounting Bolts
- 2 - Temperature Sensor

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**NOTE: Inspect the DPF hanger, if broken replace with the DPF with the catalytic convertor.**

9. Remove bolts (3) holding the catalytic converter assembly to the DPF assembly (Fig. 2).

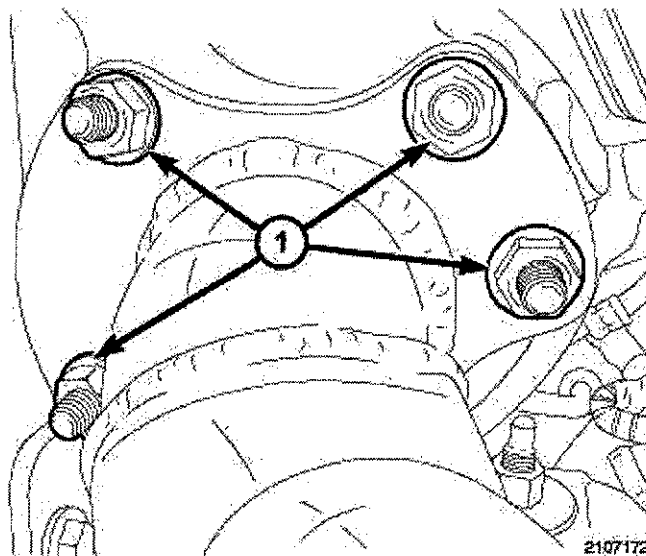


**Fig. 2 Catalytic Convertor**

- 1 - Catalytic Convertor Hanger Bracket
- 2 - Catalytic Convertor
- 3 - Bolts

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10. Remove the 4 nuts holding the catalytic convertor assembly to the turbo (Fig. 3).



**Fig. 3**

- 1 - Catalytic Convertor Nuts

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11. Remove the 2 bolts holding the bracket to the engine(Fig. 2).

12. Install new hanger bracket to new catalytic convertor assembly.
13. Loosely assemble the catalytic convertor assembly to the DPF assembly.
14. Loosely assemble the catalytic convertor assembly to the turbo and secure using the 4 existing fasteners.
15. Install Temperature and O2 sensors.
16. Loosely assemble hanger bracket with existing 2 bolts to engine and secure.
17. Secure the catalytic convertor to the DPF assembly.
18. Re-install the wheel well.
19. Repair complete.

**POLICY:**

Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:	Description	Skill Category	Amount
11-50-01-9B	Convertor, Catalytic - Replace (2 - Skilled)	8 - Engine Performance	1.0 Hrs.

**FAILURE CODE:**

ZZ	Service Action
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