



NUMBER: 23-008-07

GROUP: Body

DATE: February 24, 2007

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SUBJECT:

Oil Canning, Popping, or Thumping-Like Sound From Front Passenger Area During Body Twist

OVERVIEW:

This bulletin involves creating two depressions in the front floor pan at the transmission tunnel area to reduce panel flex.

MODELS:

2007 (JK) Wrangler

NOTE: This bulletin applies to vehicles built on or before September 07, 2006 (MDH 0907XX).

SYMPTOM/CONDITION:

The customer may experience an oil canning, thumping, or popping-like sound from the front passenger area. The sound may be misdiagnosed as a suspect shock absorber or rebound bumper.

DIAGNOSIS:

If the above condition is present perform the Repair Procedure.

REPAIR PROCEDURE:

1. Pull the right front (passenger side) carpet away from the transmission tunnel area.
2. From the figure locate the suspect area on the floor panel (**Fig. 1**), in the area of the transmission tunnel where the panel may flex.
3. When condition is present, applying hand pressure to this area will often cause the panel to flex and recreate the oil canning-like sound.

NOTE: Protect the floor panel painted surface when performing the following step. Do not damage the painted surface.

4. Per the figure, use a rubber mallet to create two (2) depressions in the floor panel. Each depression should be approximately 51 mm (2 inches) in diameter and 3 - 4 mm (1/8 inches) in depth.
5. Verify that the "oil canning" condition has been corrected.
6. Install the right front carpet.



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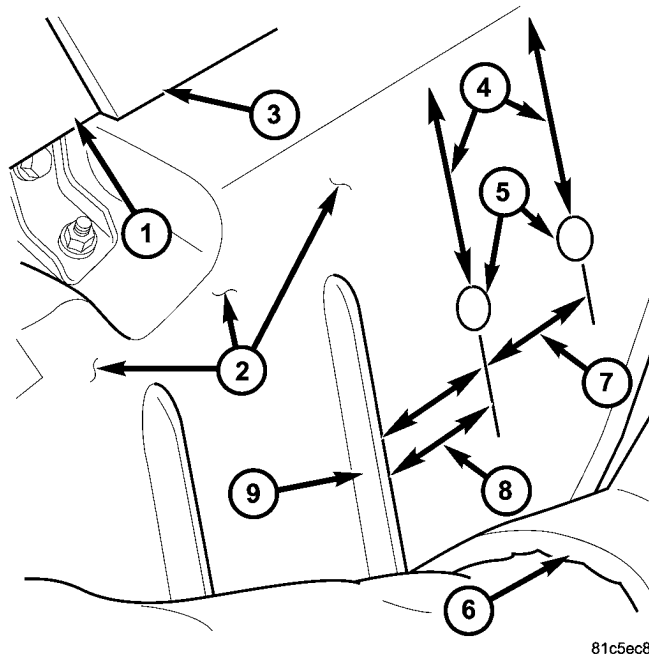


Fig. 1 FLOOR PANEL - RIGHT FRONT TUNNEL

- 1 - Right front corner of center console
- 2 - Right side transmission tunnel area of front floor panel
- 3 - Bottom corner of instrument panel center stack
- 4 - Measure down 71 mm (3 inches) from transition (curve) in floor panel.
- 5 - Each depression to be 51 mm (2 inches) in diameter and 3 - 4 mm (1/8 or 0.125 inches) in depth
- 6 - Right front floor carpet and pad
- 7 - 51 mm (2 inches) distance between each depression. Measured from center-to-center of each depression
- 8 - 51 mm (2 inches) distance from reinforcement rib in floor panel to center of closest depression
- 9 - Reinforcement rib in floor panel

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
23-85-80-90	Floor Pan - Repair (B)	0.2 Hrs.

FAILURE CODE:

ZZ	Service Action
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