



NUMBER: 23-015-03

GROUP: Body

DATE: Jun. 06, 2003

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SUBJECT:

Wind-Like Sound At Top Rear Corner Of Front Door

OVERVIEW:

This bulletin involves the front door window channel and possible repairs if a foam stuffer is not properly positioned and/or if the width of the window run channel opening is not within specified tolerance.

MODELS:

1999 - 2004 (WJ/WG) Grand Cherokee (Domestic and International Markets)

SYMPTOM/CONDITION:

A customer may experience a wind-like sound coming from the top rear corner of either front door.

DIAGNOSIS:

1. Road test the vehicle with the window glass in the up/closed position.
2. Determine if the wind-like sound occurs in the top rear corner of the door where the window glass, window run channel weatherstrip, and front door window frame meet.
3. While driving, apply moderate finger pressure against the window run channel weatherstrip at the top rear corner of the window opening. Use assistance for diagnosing the right front passenger door.
4. If the wind-like sound is reduced by this action then perform the Repair Procedure.

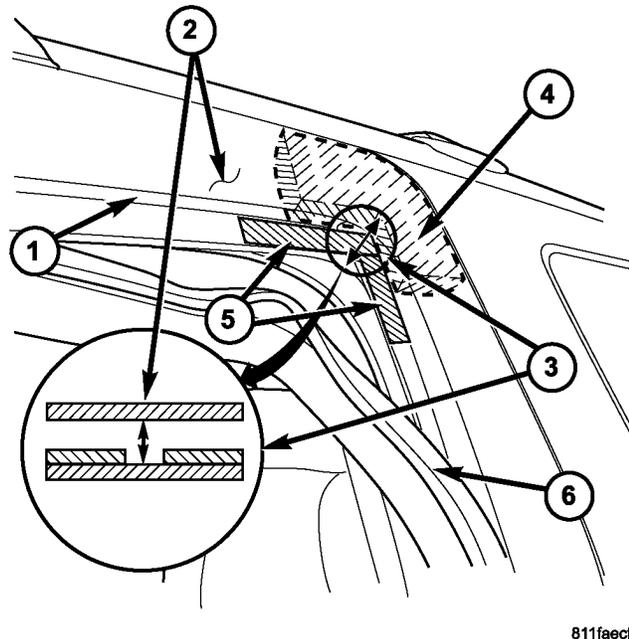
PARTS REQUIRED:

Qty.	Part No.	Description
AR 1	55136988AB	Foam Stuffer (Front Door Top Rear Corner - "L" shaped)
AR	3M™ 051131-06397	Foam Tape - 3M™ Scotch-Mount™ Double Coated Acrylic Foam Tape [12.7 mm ($\frac{1}{2}$ in.) wide by 1.8 mm (0.060 in.) thick by 63.5 mm ($2\frac{1}{2}$ in.) long]

REPAIR PROCEDURE:

1. Lower the front door window glass.

2. Remove a sufficient amount of the window run channel weatherstrip from the window channel in order to gain access to the top rear corner of the window frame channel.
3. Check for the presence of a "L" shaped foam stuffer. The foam stuffer is located in the top rear corner of the door frame and behind the vertical and horizontal metal inserts of the window frame channel. Install a new foam stuffer if missing.
4. Verify that the foam stuffer is correctly positioned into the corner of the window frame with each end of the foam stuffer extending behind the vertical and the horizontal channel inserts. The foam stuffer should not be "balled up". When properly installed, the foam stuffer should restrict the flow of air inside the window frame. (Fig. 1)



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Fig. 1 FRONT DOOR WINDOW FRAME CHANNEL

- 1 - Window Channel
- 2 - Outer Door Panel
- 3 - Measure Here - 21 mm (0.826 in) maximum width
- 4 - "L" Shaped Foam Stuffer - Verify Correct Position
- 5 - Foam Tape - Install at two locations to inner door panel
- 6 - Window Run Channel Weatherstrip

5. At the top rear corner of the window frame channel, measure the width (distance) between the inside surfaces of the inner and outer door panels. Do not include the angled metal channel insert in your measurement.
6. The desired window channel width at the top rear corner is **19.6 mm +/- 1.5 mm (allowable width of 18 to 21 mm)**.
7. If the inside width of the window channel at the top rear corner is greater than **21 mm (0.826 in.)**, then add a 63.5 mm (2½ in.) long by 1.8 mm (0.060 in.) thick strip of foam tape to the vertical and to the horizontal surfaces of the window channel inner panel.
8. If the inside width of the window channel at the top rear corner is greater than **22.5 mm (0.886 in.)**, then a second layer of foam tape may need to be applied on top of the first vertical and horizontal layer of foam tape.

- 9. Install the window run channel weatherstrip.
- 10. Raise the window glass and verify correct window operation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
23-85-53-94	Front Door, Rear Upper Corner - Right - Install Foam Block and Tape	0.2 Hrs.
23-85-53-95	Front Door, Rear Upper Corner - Left - Install Foam Block and Tape	0.2 Hrs.

FAILURE CODE:

8X	Wind Noise
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