



NUMBER: 23-014-04

GROUP: Body

DATE: May 4, 2004

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SUBJECT:

Wind Sound While Driving

OVERVIEW:

This bulletin involves adjusting the door glass as required.

MODELS:

2004 (ZH) Crossfire

SYMPTOM/CONDITION:

The vehicle operator may experience a wind like sound from the top area of the door glass while driving.

DIAGNOSIS:

NOTE: The door must be properly adjusted in order for the window to be properly adjusted. If door adjustment is necessary refer to the service information available in TechCONNECT or the 2004 Crossfire service manual (publication no. 81-270-04036), page 23-92.

1. Raise the door glass all the way up. There should be a 1 mm (0.04 in.) bulge in the rubber above the upper edge of the sealing mirror triangle ([Fig. 1](#)).

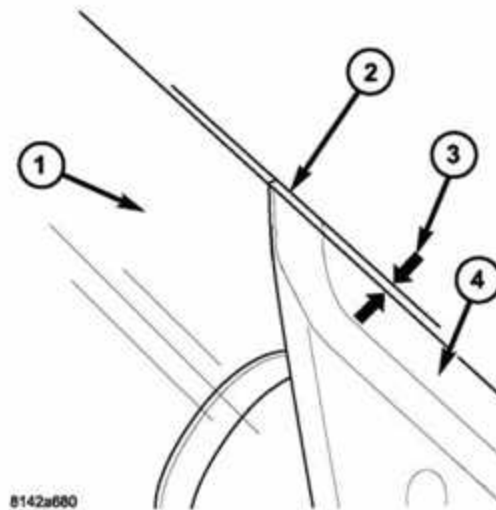


Fig. 1 DIMENSION AT MIRROR TRIANGLE

- 1 - DOOR GLASS
 - 2 - BULGE IN MIRROR TRIANGLE RUBBER
 - 3 - 1 MM (.4 IN.) ABOVE MIRROR TRIANGLE
 - 4 - SEALING MIRROR TRIANGLE
-

2. Check the window height to the roof weather-strip when the door is latched in the first catch position. The gap must be between 1 and 2 mm (.04 - .08 in.) from the upper edge of the glass to the roof weather-strip as shown in (Fig. 2).

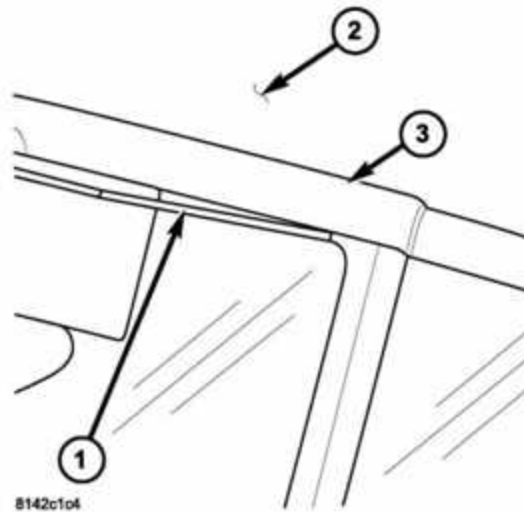


Fig. 2 CHECKING GAP AT ROOF SEAL

- 1 - 1 - 2 MM (.04 - .08 IN.) THICKNESS GAUGE
 - 2 - ROOF
 - 3 - ROOF WEATHER-STRIP
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- 3. With the door latched in the second catch position (closed tight), the edge of the window glass must disappear completely under the roof weather-strip (Fig. 3) .

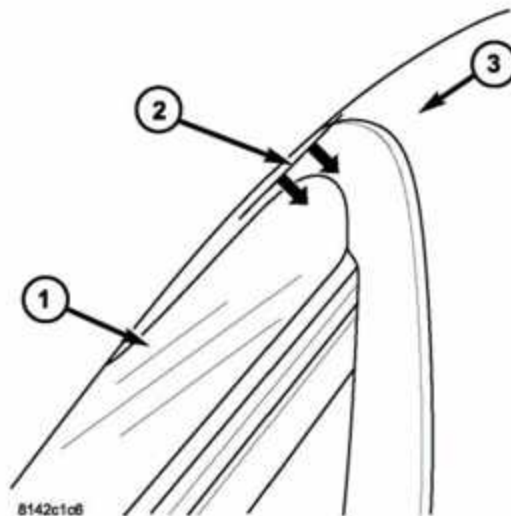


Fig. 3 WINDOW GLASS AT ROOF SEAL

- 1 - DOOR GLASS
 - 2 - GLASS UNDER WEATHER STRIP - DOOR LATCHED TIGHT
 - 3 - ROOF
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4. Check the glass to B-pillar weather-strip. The dimension from the rear edge of the glass to the front edge of the sealing flap on the B-pillar weather-strip is 7 - 9 mm (.28 - .35 in.) (Fig. 4).

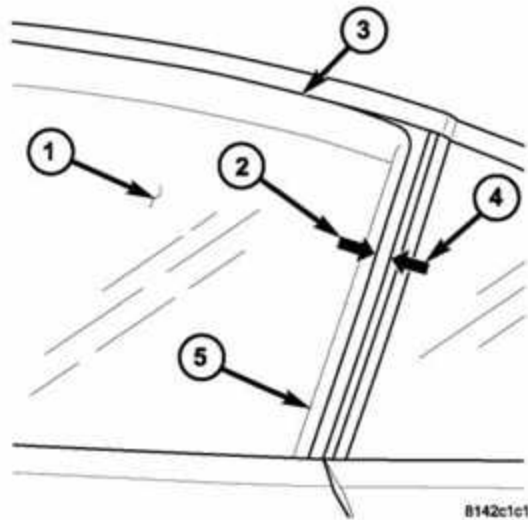


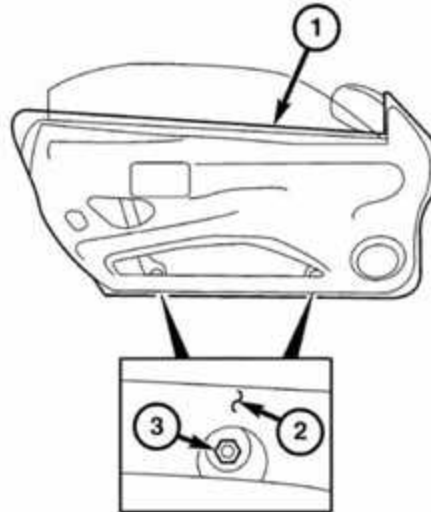
Fig. 4 DOOR GLASS AT B-PILLAR

- 1 - DOOR GLASS
- 2 - FRONT EDGE OF WEATHER-STRIP SEALING FLAP (LOOKING THROUGH THE GLASS)
- 3 - ROOF WEATHER-STRIP
- 4 - REAR EDGE OF GLASS
- 5 - FRONT EDGE OF WEATHER-STRIP (LOOKING THROUGH THE GLASS)

5. If the technician determines that any of the window adjustments are out of specification, perform the Repair Procedure.

REPAIR PROCEDURE:

1. Remove the trim panel on the door. Refer to the service information available in TechCONNECT or the 2004 Crossfire service manual (publication no. 81-270-04036), page 23-108.
2. Remove the door foil from the door.
3. Raise the door glass until there is a 1 mm (0.04 in.) bulge in the rubber above the upper edge of the sealing mirror triangle (Fig. 1).
4. Remove the plugs on the underside of the door covering the guide rail nuts, loosen the nuts until the guide rail can be moved (Fig. 5).



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Fig. 5 GUIDE RAIL NUTS

- 1 - INNER RUBBER SEALING LIP
- 2 - PLUG ON THE UNDERSIDE OF THE DOOR (2)
- 3 - GUIDE RAIL NUT (2)

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- 5. Adjust the window so that the glass makes contact with the inner rubber sealing lip over the entire length when the door is latched in the first catch position (Fig. 5).
 - 6. Open the door and tighten the guide rail nuts in the bottom of the door.
 - 7. Check the window height to the roof weather-strip when the door is latched in the first catch position. The gap must be between 1 and 2 mm (.04 - .08 in.) from the upper edge of the glass to the roof weather-strip as shown (Fig. 2).
 - 8. If adjustment is not necessary, proceed to Step #14. If adjustment is necessary, proceed to Step #9.
 - 9. Lower the window so that the window stop bracket bolts are accessible through the cut outs in the door sheet metal (Fig. 6).
 - 10. Loosen the bolts on both of the window stop brackets just enough so that the door glass can be moved up and down with some effort (Fig. 6).

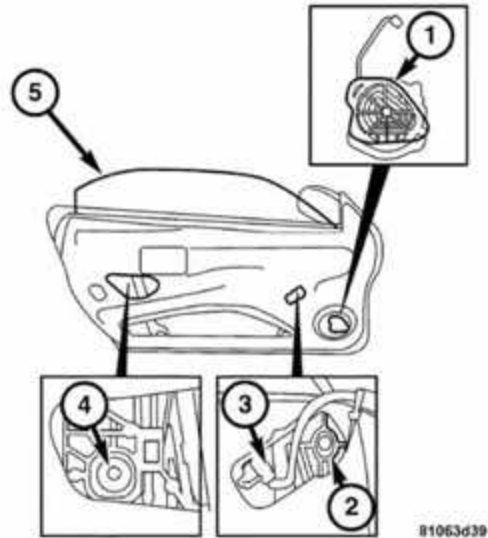


Fig. 6 WINDOW STOP BRACKETS

- 1 - DOOR SPEAKER
- 2 - WINDOW STOP BRACKET BOLT
- 3 - WINDOW STOP BRACKET
- 4 - WINDOW STOP BRACKET BOLT
- 5 - DOOR GLASS

11. Adjust the window height so the gap is between 1 and 2 mm (.04 - .08 in.) from the upper edge of the glass to the roof weather-strip as shown in (Fig. 2).
12. Lower the door glass and tighten both window stop bracket bolts.
13. Check to insure the gap is correct.
14. With the door latched in the second catch position (closed tight), the edge of the window glass must disappear completely under the roof weather-strip(Fig. 3).

NOTE: If necessary, the inclination of the window can be corrected by loosening the window stop bracket bolts, and the longitudinal direction of the window can be corrected by loosening the guide rail nuts. In addition, the inclination of the window relative to the weather-strip can be increased or reduced by loosening the window stop bracket bolts, the sliding jaw must be moved for this purpose

15. Check the glass to B-pillar weather-strip. The dimension from the rear edge of the glass to the front edge of the sealing flap on the B-pillar weather-strip is 7 - 9 mm (.28 - .35 in.) (Fig. 4).

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
23-30-05-90	Glass, Front Door - Check Adjustment - One Door	0.2 Hrs.

23-30-05-93	Glass, Front Door - Check Adjustment and Adjust - One Door	0.6 Hrs
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FAILURE CODE:

8X	Wind Noise
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