



Service Bulletin

File in Section: -

Bulletin No.: PI1315

Date: September, 2014

PRELIMINARY INFORMATION

Subject: Sunroof Rattle in Full Open Position

Models: 2014 Chevrolet SS
Built Prior to January 9, 2014

Condition/Concern

Some customers may comment on a rattle when the sunroof is open in the full position.

This may be caused by contact between the sunroof glass and the roof bow immediately rearward of the sunroof opening when the sunroof is in the fully open position.

Recommendation/Instructions

Note: This procedure requires the vehicle to stay overnight to verify the repair.

Technicians should follow the steps below:

1. Verify the sunroof glass flushness to the roof panel at the rear edge of the glass. The specification is glass over by 1 mm to glass under by 2 mm. Set the rear edge of the glass to 2 mm underflush to reduce the occurrence of the rattle.
2. Perform the static check.



- 2.1. Open the sunroof so that the glass is slid fully rearward in vehicle.
 - 2.2. Lightly slap the roof panel rearward of the sunroof opening.
 - 2.3. Vehicles needing repair will exhibit a sharp rattle (metal on glass).
3. If the noise is still present, remove both C-pillar trims and both rear assist grips as shown below:

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3.1. Remove the C-pillar trim using a small flathead screwdriver to remove the screw cover, then remove the screw using a T20 torx bit.



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3.2. Unclip the trim and remove. Clip locations are shown.



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3.3. Remove the assist handles using a small flathead screwdriver to remove the two screw covers.



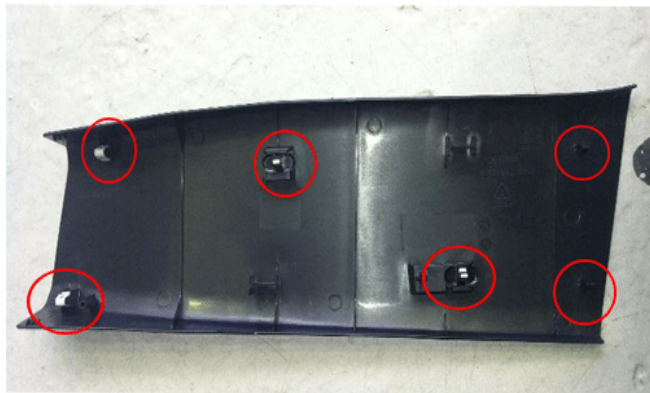
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3.4. Remove the two screws with a T20 torx bit and remove the assist grip. Repeat for the assist grip on the opposite side.

4. Remove the upper and lower B-pillar trim on the right hand side of the vehicle.



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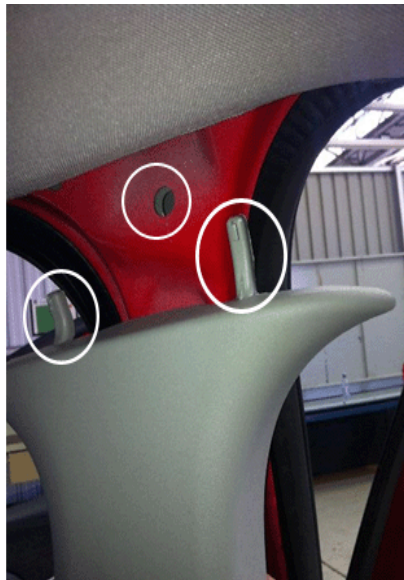
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4.1. The lower trim must be removed first. Lever it off the upper trim and remove from the vehicle. Note the clip locations as shown.



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4.2. Remove the two upper B-pillar T20 torx screws.



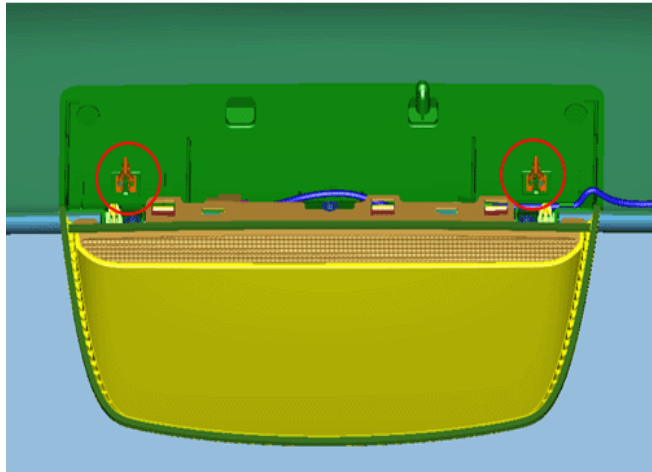
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4.3. Remove the trim by rotating it inboard to disengage the two hooks shown, and the datum pin that locates in the hole shown.

5. Disengage the rear headliner clips as shown.



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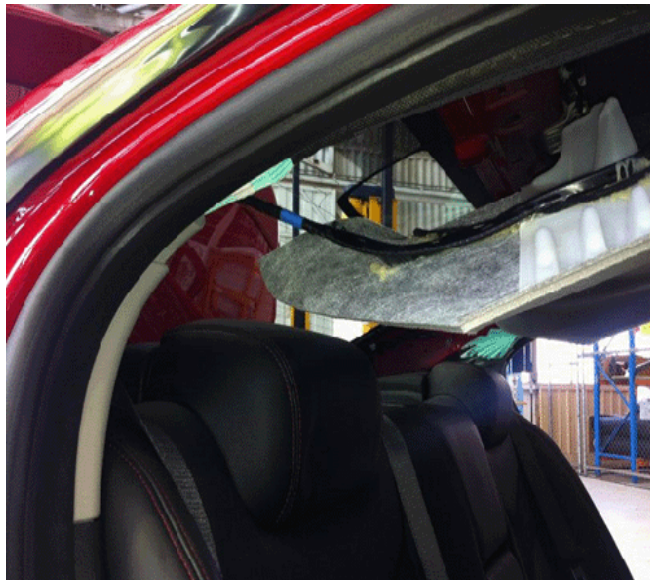
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- 5.1. Lower the center high mount stop lamp (CHMSL) downwards to disengage the right hand side headliner clip. Repeat for the left hand side headliner clip.



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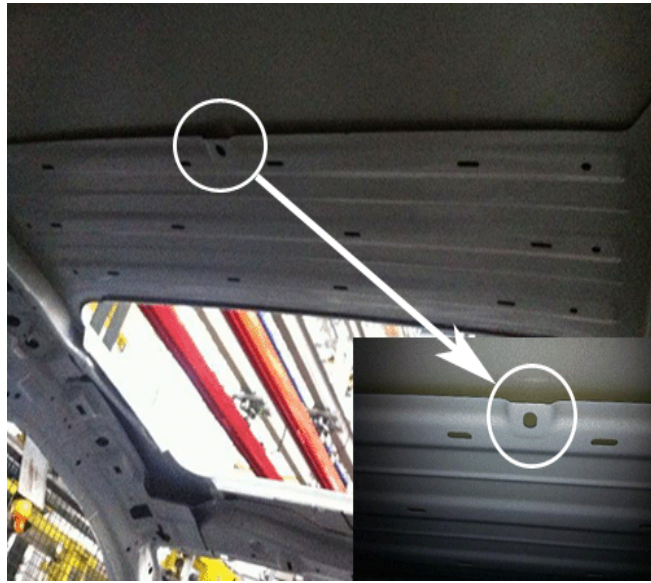
6. Disengage the headliner from the door seals on both sides of the vehicle. The headliner will drop as shown below. This provides access to the roof bow from the right hand side.



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Important: The possibility exists for the headliner to damage the rear seat headrests. Ensure that the headrests are suitably protected.

7. Slide the sunroof blind forwards to expose the roof header immediately rearward of the sunroof opening.
8. From the right hand side of the vehicle, apply cloth tape to the roof bow.

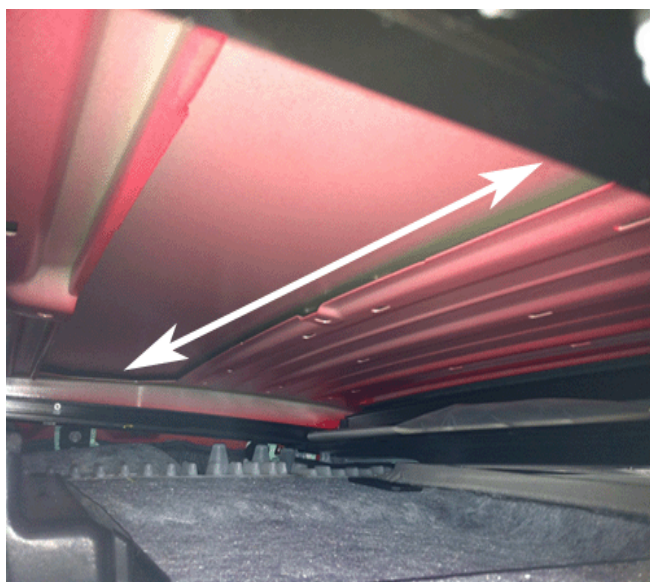


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- 8.1. The cloth tape is applied to the roof bow immediately rearward of the sunroof opening as shown.
- 8.2. Apply the tape as shown, overhanging the rear edge of the panel by 10 mm (1).
- 8.3. Fold the overhanging portion of the patch over the panel and ensure that it is adhered to the panel (2).



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9. From the right hand side of the vehicle, use the caulking gun to add Panel Control Vibration Material to the gap between the roof bow and roof panel. Ensure that any excess anti-flutter protruding out of the roof bow is wiped away using Prepsol or general purpose adhesive remover equivalent.
10. Re-assemble the vehicle in the following order.
 - Engage the two headliner clips.
 - Refit the assist grips.
 - Tuck the headliner under the door seals.
 - Refit the upper B-pillar trim and reposition the door seal.
 - Refit the lower B-pillar trim and reposition the door seal.
 - Refit the C-pillar trims and reposition the door seals.
11. Allow the Panel Control Vibration Material to dry overnight and repeat the static test to confirm the fix was successful.
 - 11.1. Once the Panel Control Vibration Material is applied and rear edge of the sunroof is adjusted to be flush with the roof, attempt to replicate the rattle concern.
 - 11.2. If a rattle concern is still present then the rear edge of sunroof may be adjusted up to 2 mm underflush in order to increase clearance to the roof bow to prevent a rattle.

Note: The rear edge of the sunroof glass should not usually be adjusted to underflush per SI.

Parts Information

For product ordering information, call SEM at 1-866-327-7829. SEM products are also available at local automotive paint supply stores.

Part Number	Description	Material Allowance
SEM 39977*	4 Panel Control Vibration Material	\$20.00 (\$35.00 CDN)
92190143	40 x 40 mm cloth tape per vehicle	-

*There is enough material to do approximately 2 vehicles. Store the remaining material for future use.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
6080108*	Apply Cloth Tape and Panel Control Vibration Material to Roof Panel	1.0 hr

*This is a unique Labor Operation for Bulletin use only. It will not be published in the Labor Time Guide.