

FLA COE
 FLB COE
 FLD Conventional
 Business Class
 FLC 112 Conventional

Century Class Conventional
 Argosy COE
 Cargo
 Columbia

122SD and Coronado
 > Business Class M2
 Cascadia
 > 108SD/114SD

**Freightliner
 Service Bulletin**

Description of Revisions: *This bulletin replaces the version dated March 2015. A new roof bow is available and the procedure is updated.*

General Information

On some M2 and 108SD/114SD day cab vehicles, a popping or "oil-canning" noise may be heard from the roof. Typically this is a problem only on vehicles with a tall box-van body mounted directly behind the cab, with no roof deflector or fairing.

The installation of an additional roof bow spanning the space between the two existing bows will minimize the noises from the roof. If there is a complaint of the described noises coming from the roof, use the instructions in this bulletin to install the roof bow and to add sealant between the roof bows and the roof skin.

Parts

Parts are available through the PDCs. See [Table 1](#). Dow® Great Stuff™ Multipurpose Black Insulating Foam Sealant can be purchased locally.

Parts Required		
Part Number	Description	Qty.
18-44736-001	BOW—ROOF, CENTER	1

Table 1, Parts Required

Procedure

1. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
2. Drain the air tanks.
3. Disconnect the batteries.
4. Remove the passenger seat to allow enough space to remove the headliner from the cab. See the vehicle workshop manual, **Group 91**.
5. Remove all items from the overhead storage bins (if equipped), then pull out the storage bins from the overhead console.
6. Remove the overhead instrument panel surrounds (if equipped).
7. Remove the A-pillar covers, as follows:
 - 7.1 Remove the passenger-side grab handle by removing the screws that attach it to the A-pillar.
 - 7.2 Remove the screw that attaches the top of the passenger-side A-pillar cover to the cab, then remove the A-pillar cover.
 - 7.3 Remove the two screws from the driver-side A-pillar cover, then pull the bottom of the cover to loosen the clip that attaches it to the cab structure.
8. Remove the sun visors, as follows:
 - 8.1 Remove the three screws that attach each sun visor to the overhead console. Remove the sun visors.
 - 8.2 Remove the sun visor inboard retainers.

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9. Disconnect the dome light wiring.
10. Remove the coat hooks.
11. Remove the two fir-tree fasteners that attach the center of the headliner to the roof bows.
12. If so equipped, disconnect the air horn lanyard from its anchor point on the headliner and cab roof structure, then push it up through the slot in the headliner.
13. Remove the four fir-tree fasteners that secure the headliner by the windshield, and the two fir-tree fasteners at the rear wall.
14. Pull down the headliner, then disconnect the dome light wiring.
15. Remove the headliner from the cab.
16. Cover the seats and dash with a protective drop cloth.
17. Position the new roof bow in place, lining up the holes as shown in **Fig. 1**, if possible. It may be necessary to move the roof bow slightly forward, depending on the vehicle options. The roof bow should fit snugly between the two foam strips inboard of the existing roof bows.

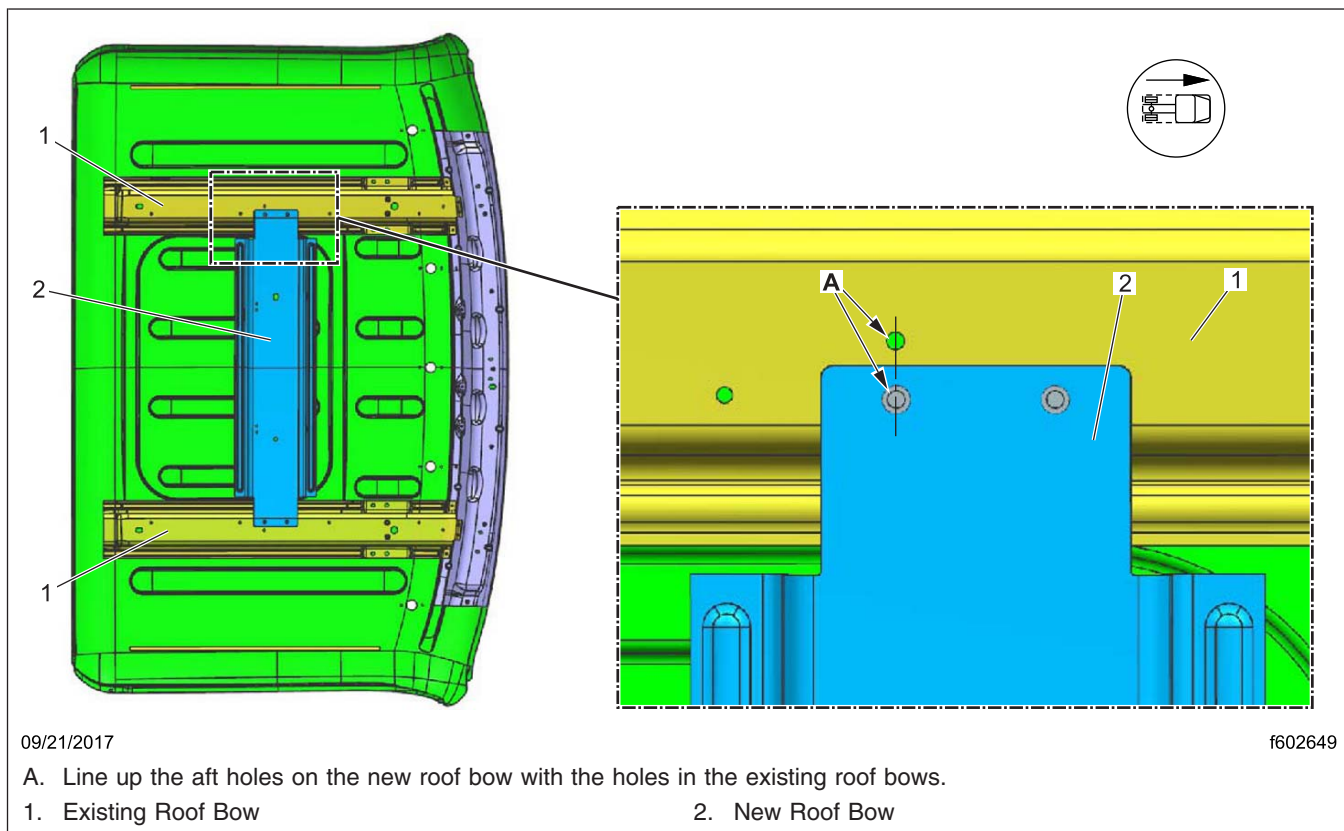


Fig. 1, Positioning the New Roof Bow

18. Cut out any insulation (if equipped) from the new roof bow location.
19. Using the bow as template, mark the drilling locations on the existing roof bows.

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20. Install a stop collar or a tape stop (see [Fig. 2](#)) on a 17/64-inch drill bit to prevent damage to the roof skin.
21. At the four drilling locations, using the 17/64-inch drill bit equipped with the stop collar or tape stop, drill through the roof bows. Use care not to damage the roof skin. See [Fig. 3](#).

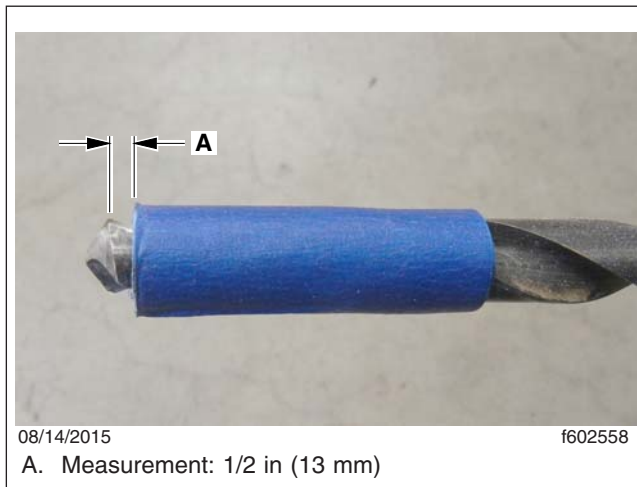


Fig. 2, Making a Tape Stop for the Drill Bit



Fig. 3, Drilling the Holes for the Rivets

22. Using Dow Great Stuff Multipurpose Black Insulating Foam Sealant (see [Fig. 4](#)), apply a thick bead in the two roof-facing grooves of the new bow. See [Fig. 5](#).



Fig. 4, Dow Great Stuff Multipurpose Black Insulating Foam Sealant



Fig. 5, Foam Sealant Applied on Roof Bow

23. Position the roof bow in place.
24. Using 1/4-inch structural rivets, attach the roof bow in place. See [Fig. 6](#).



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Fig. 6, Installing the Rivets

25. Fill in any remaining gaps under the edges of the roof bows.
26. With the help of an assistant, position the headliner in place.
27. Using new fir-tree fasteners, secure the headliner by the windshield and the rear wall.
28. Pull the air horn lanyard out through the slot in the headliner, then attach the lanyard to its anchor point on the headliner and cab roof structure.
29. Install the sun visors, as follows:
 - 29.1 Install the sun visor inboard retainers.
 - 29.2 Attach the sun visor outboard brackets to the overhead console.
30. Using new fir-tree fasteners, attach the headliner to the roof bows.
31. Attach the center seat belt anchor (if so equipped) to the rear wall.
32. Install the coat hooks.
33. Connect the wiring to the dome light.
34. Install the overhead instrument panel surrounds (if equipped).
35. Install the storage bins (if equipped) in the overhead console.
36. Install the A-pillar covers, as follows:
 - 36.1 Position the driver-side A-pillar cover on the A-pillar, and secure the lower portion by pushing the fir-tree fastener into the hole on the A-pillar. Secure the upper portion with two screws.
 - 36.2 Position the passenger-side A-pillar cover on the A-pillar, then install a screw through the top hole into the cab structure.
 - 36.3 Install the passenger-side grab handle on the A-pillar.
37. Install the passenger seat. see the vehicle workshop manual, **Group 91**.
38. Connect the batteries.

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Warranty

This procedure is warrantable only if the described condition exists and the repair is performed within the applicable base or extended coverage warranty period. If a failure is not found, this procedure is considered preventive and warranty does not apply.

Normal warranty applies. See [Table 2](#) for OWL VMRS codes and labor allowance information. Enter this service bulletin number in the *Service Bulletin #* field.

OWL VMRS Codes and Labor Allowance					
Primary Failed Part	Component Code	Cause Code	SRT Code	Description	Time: Hours
18-64008-000/-001	002-006-001	19	673-5005A	ROOF BOW, INSTALL, UNDER ROOF SKIN	1.5

Table 2, OWL VMRS Codes and Labor Allowance