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CEILING TRANSITION FABRIC REPLACEMENT

Prevost vehicles

DESCRIPTION

On the vehicles affected by this bulletin, replace defective ceiling transition fabrics.

MODEL YEARS AND VEHICLES INVOLVED

NOTICE TO SERVICE CENTERS <i>Verify vehicle eligibility by checking warranty bulletin status with SAP or via ONLINE WARRANTY SYSTEM available on Service / Warranty tab of Prevost website.</i>		
Model	VIN	Fleet Number
X3-45 Commuter Model Year : 2014 - 2016	The following individual vehicles: 2PCG33495<u>EC735590</u>, 2PCG33498<u>EC735602</u> and From 4RKG33497<u>F9737001</u> up to 4RKG33491<u>G9737299</u> incl. This range is a reference. Verify vehicle eligibility by checking bulletin status with SAP.	From 2490 up to 2789, incl.

MATERIAL NEEDED

Material you may need:

Part No.	Description	Qty
864478	GRAY POLYESTER FABRIC	As Req.
504643	POP RIVET DOME SS OE 1/8X1/2	As Req.

NOTE

Material can be obtained through regular channels.

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PROCEDURE



DANGER

Park vehicle safely, apply parking brake, stop engine. Prior to working on the vehicle, set the ignition switch to the OFF position and trip the main circuit breakers equipped with a trip button. On Commuter type vehicles, set the battery master switch (master cut-out) to the OFF position.

1. Locate ceiling center panels (item 1, Figure 1) and ceiling transition panels (item 2, Figure 1).



Figure 1

2. Locate defective ceiling transition panels on the vehicle (Figure 2).

NOTE

See the ceiling transition fabric panel inspection worksheets for the selection of the defective panels and vehicles concerned.

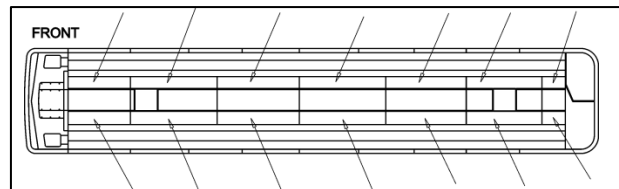


Figure 2

3. Remove cameras if necessary (Figure 3).

NOTE

Remove cameras only if they are in line with a defective ceiling transition panel.

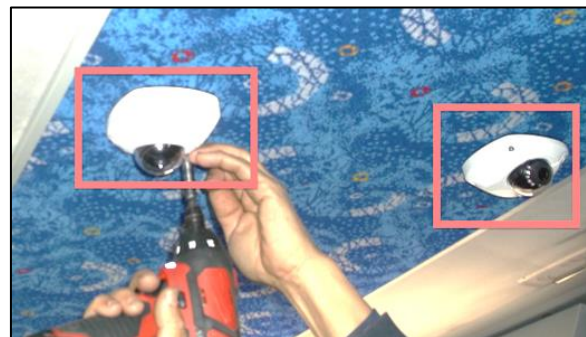


Figure 3

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4. Disconnect the harness of the removed cameras (Figure 4).



Figure 4

5. Remove emergency exit finishing moulding the one closest to the defective ceiling transition panels. Remove on both exits if necessary (Figure 5).



Figure 5

6. Start to remove center panels from the emergency exit toward the center panel in line with the defective transition panels (Figure 6).

NOTE

Ceiling center panels are kept in place with a J-shape moulding on both sides and with heavy duty Velcro. To avoid making a kink on the center panel, use a piece of wood and with assistance carefully pry off the panel.



Figure 6

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7. Place the center panels carefully flat on seats.



Figure 7

Proceed with step 8 to step 11 only for defective transition panels in line with overhead compartment equipped with a door.

8. Locate overhead compartment door air cylinder (Figure 8).



Figure 8

9. Dismount the air cylinder end fixed on the door hinge. Pull out the air cylinder head and at the same time, with a small flat screw driver, pry out partially the clip until the cylinder head moves out.



Figure 9

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10. Use a 2mm between flat Allen key and loosen the set screw (item 1, Figure 10) that holds the hinge pivot in place.
11. Push the hinge pivot (item 2, Figure 10) just enough to release one door at a time.

NOTE

It is not necessary to remove hinge pivot on both sides of a door. It is possible to remove the door with one pivot still in place.



Figure 10

Proceed with step 12 only for defective transition panels in line with doorless overhead compartments.

12. Remove overhead pillar finishing moulding (Figure 11).

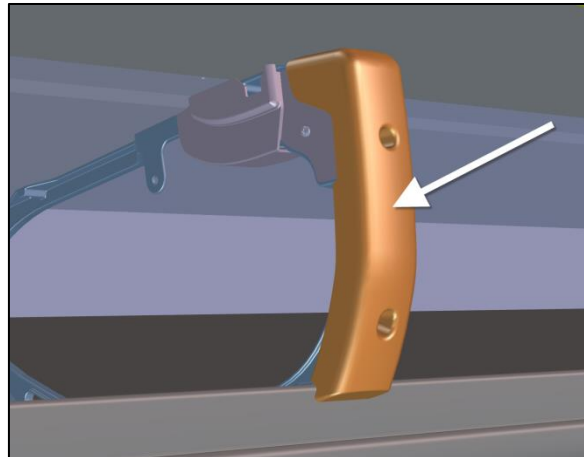


Figure 11

13. Remove overhead compartment light (Figure 12). There are ten screws for the long compartments and four screws for the short compartments.
14. Carefully disconnect the light harness.



Figure 12

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15. Remove all top screws holding the overhead compartment ceiling panels (item 1, Figure 13).
16. Remove clips on the overhead compartment ceiling panel (item 2, Figure 13).

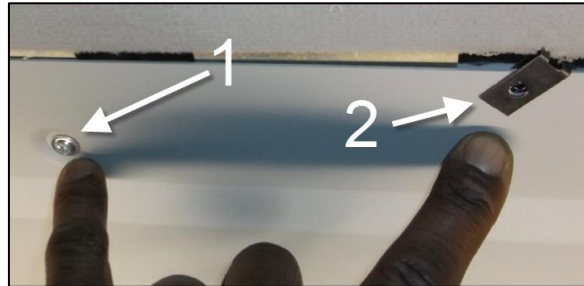


Figure 13

17. Locate the Pop rivets (item 1, Figure 14) that supports the J-shape holders (item 2, Figure 14).

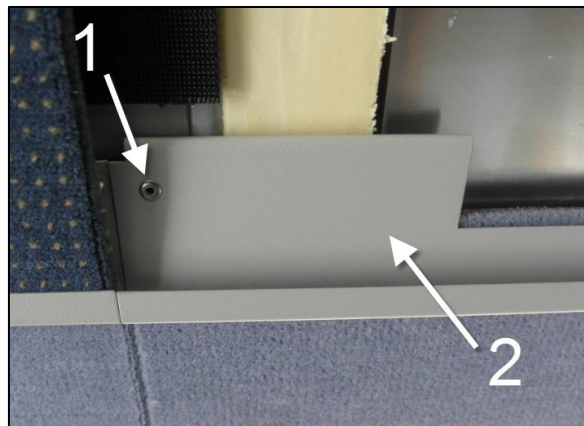


Figure 14

18. Use a 1/8" diameter drilling bit and drill out the Pop rivets (Figure 15).
19. Remove the J-shape holders.

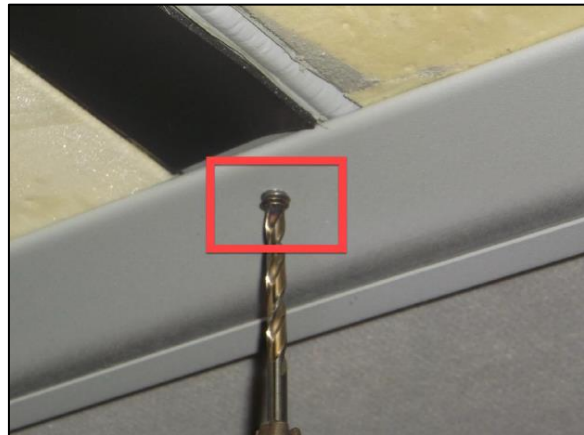


Figure 15

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20. If necessary remove overhead compartment pillar finishing moulding (Figure 16).

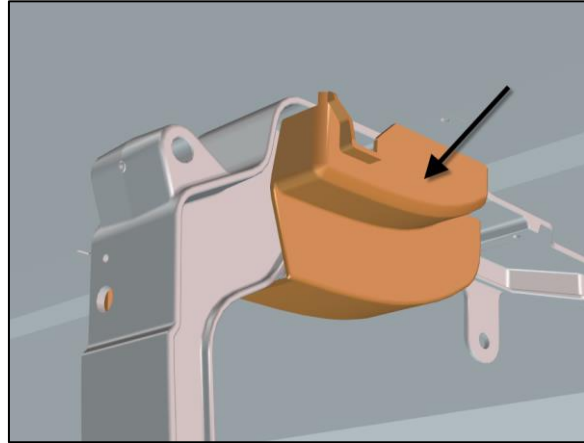


Figure 16

21. Remove top screw on the pillars (Figure 17).

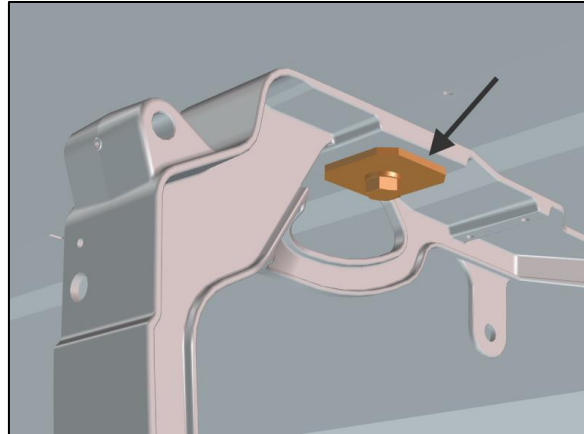


Figure 17

22. Rip off all defective fabric parts and clean the surfaces that will support the new fabric parts.
23. Before gluing, install masking tape on all visible parts around the panel the will support the new fabric (Figure 18).

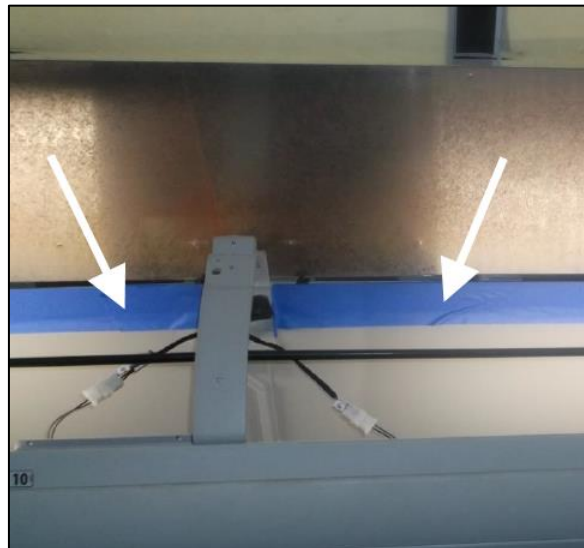


Figure 18

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24. Make sure that you have all the precut fabric parts you need.
25. Install the precut fabric parts on a table ready for gluing.

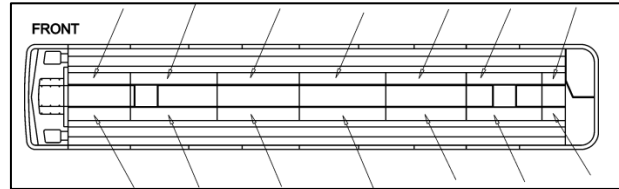


Figure 19

NOTE

Read the technical data sheet for the directions before using the glue.

Read the safety data sheet before using the glue.

26. Prepare for gluing with the glue and the air spray gun.



Figure 20

27. Spray glue carefully on the vehicle surfaces.

NOTE

Keep roof emergency exit and entrance door opened to insure better ventilation inside the vehicle.



Figure 21

28. Spray glue on the back of the precut fabric parts.

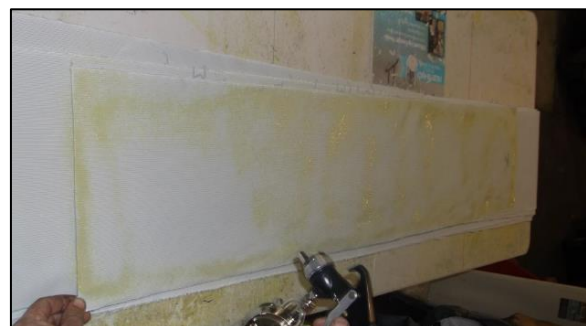


Figure 22

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29. Wait a minimum of five minutes for the glue to dry before installing parts together.
30. Bring surfaces together and with a large scraper, immediately apply firm pressure over the entire surface working from the center to the edge.



Figure 23

31. Remove masking tape (Figure 18).
32. Reinstall top screw on the pillars (Figure 17).
33. If necessary reinstall overhead compartment pillar finishing moulding (Figure 16).
34. Install the J-shape holder with Pop rivets (Figure 24).



Figure 24

35. Reinstall clips on the overhead compartment ceiling panel (item 2, Figure 13).
36. Reinstall all top screws holding the overhead compartment ceiling panels (item 1, Figure 13).
37. Carefully connect the light harness.

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38. Reinstall overhead compartment light (Figure 12). There are ten screws for the long compartments and four screws for the short compartments.
39. Reinstall overhead pillar finishing moulding (Figure 11).
40. Reinstall the doors and the hinge pivots (item 2, Figure 10).
41. Use a 2mm between flats Allen key and tighten the set screw (item 1, Figure 10) that holds the hinge pivot in place.
42. Install air cylinder on the door hinge. Push in the air cylinder head and at the same time, with a small flat screw driver, pry out partially the clip until the cylinder head moves in (Figure 9).
43. Mark the position of all Velcro strips on the roof with a masking tape on the J-shape holder.
44. Reinstall all center panels (Figure 7).
45. Locate all Velcro strips
46. Apply a firm pressure vis-à-vis the Velcro strips. A snap sound gives the feeling that the grip is well done (Figure 25).



Figure 25

47. Connect the camera harness if necessary (Figure 4).
48. Reinstall the cameras if necessary (Figure 3).
49. Reinstall the emergency exit finishing moldings (Figure 5).
50. Bulletin is complete.

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PARTS / WASTE DISPOSAL

Discard waste according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

OTHER

VBC Bulletin	N/A
Fail Code	18.02
Defect Code	09
Syst. Cond	B
Causal Part	319148

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