

**Nashville: Roof Closeout Panel Rework**



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**Property name and top bus number:** Nashville, 60BRT-09, 227000 and 275000

**Issue:** Roof leak.

**Reason/ cause:** The closeout panel around the coolant line of the roof mounted battery cooler unit may separate from the roof panel.

**Solution:** Repair closeout panel securement per this work instruction (SOI).

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**Number of affected buses:** 20

**Estimate repair hours/bus:** 1 hour

**Necessary parts:**

Sikaflex 252, Adhesive, White,  
Sika Cleaner,  
Screw, #10x3/4", Sheet, PH, SS,

Part #: **70005-01265**,  
Part #: **70005-01205**,  
Part #: **270037**,

1 / bus,  
1 / 10 buses,  
8 / bus,

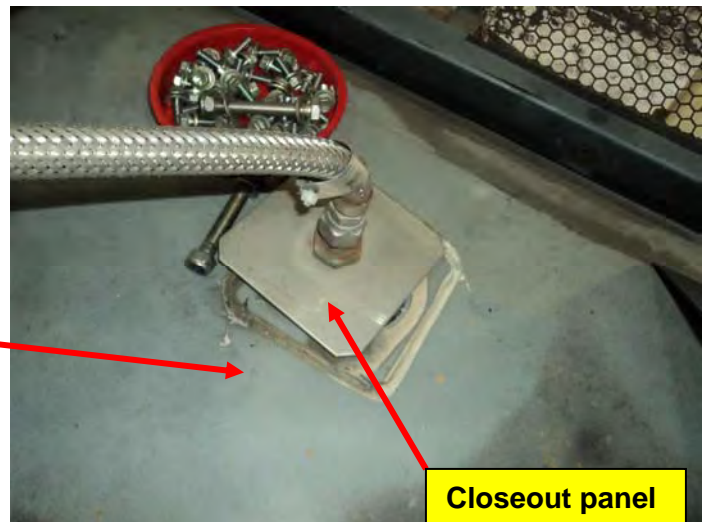
**Necessary tools:** drill, 1/8 drill bit, Sika applicator hand gun, clean shop rag, utility knife, gasket scraper

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### **SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.**

1. Park the bus and apply parking brake.
2. Turn off main battery disconnect switch(es).
3. Place sign on the steering wheel that says “do not start bus”.
4. Open the forward roof compartment access doors and locate the closeout panels around the AC coolant lines on the street side (there are two closeout panels, see pictures below).



### **If the closeout panel is not separated from the roof:**

5. Inspect the attachment of the closeout panel. Ensure that the panel is sealed all the way around. No separation or cracks allowed on the sealer in order to provide watertight seal.
6. Drill 1/8” size holes at the four corners of the panel.
7. Install #10x3/4 SS screws into the four holes.
8. Wipe the panel of with clean rag soaked with Sika Cleaner. Clean the panel all around the edges and around the screws. Allow 10 minutes to evaporate the cleaner.
9. Apply Sikaflex around the edges of the closeout panel and onto the screws to prevent leaks.
10. Inspect and perform the work on the other closeout panel as well.

### **If the closeout panel has separated from the roof:**

11. Remove old adhesive from the panel and from the roof by using utility knife or scraper.
12. Reposition the closeout panel to the roof and drill 1/8” size holes at the four corners of the panel.
13. Mark the perimeter of the closeout panel on the roof with a pencil.
14. Wipe surfaces with clean rag soaked with Sika Cleaner. Let it dry for 10 minutes.

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15. Apply a continuous bead of Sika 252 adhesive to the roof panel, 1/2" inwards from the markings, all around.
16. Install #10x3/4 SS screws into the four holes.
17. Smooth the Sikaflex around the edges of the closeout panel.
18. Apply Sikaflex 252 onto the screws to prevent leaks.
19. Inspect and perform the work as required on the other closeout panel as well.
20. Remove all the tools from work area.
21. Check for completeness of work.
22. Record bus number, mileage and the date of repair.