



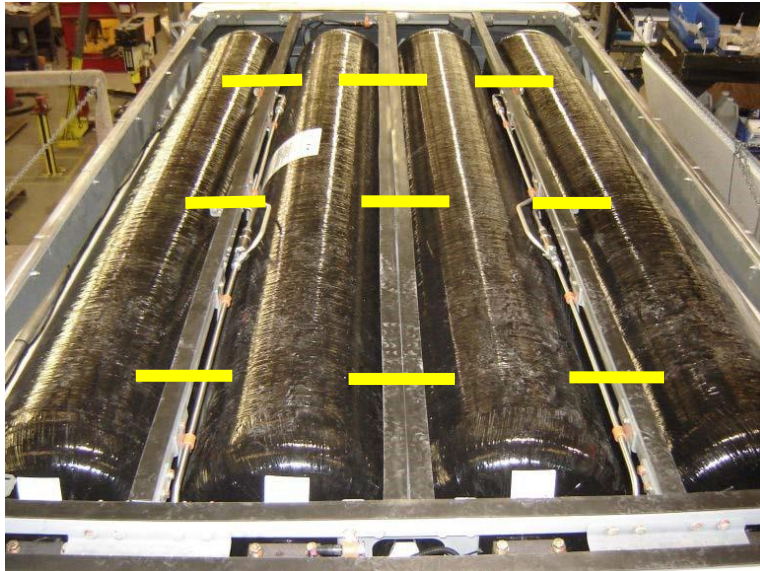
Field Service Bulletin
CNG Roof Mount Housing
Rubber Isolator Inspection and Repair

ENP-403
Rev D: November 15, 2016

1. Introduction

Vibration-dampening rubber strips are available for the CNG system framework on Dallas Area Rapid Transit (DART) 40- and 31-foot CNG-fueled buses made by NABI Bus, LLC and equipped with Agility Fuel Solutions mounted on the vehicle roof.

These rubber strips were initially installed with a spray adhesive which is failing and the rubber strips are falling off the system frames. In addition, similar rubber strips applied to the doors may be in the same condition.



UPDATE:

- 1) Strips are cut into 4 equal strips as shown in Fig. 1. This will help simplify replacement if/when a small section becomes damaged or worn: Just replace the damaged section, rather than the entire strip.
- 2) Add strips of vinyl edge trim to the doors as shown in Section 5, Step 5.

Figure 1 Rubber isolators on roof mount systems is coming loose and must be replaced with new 3M tape and rubber strips. Cut the strips into four (4) equal strips at locations shown. Actual length is not critical.



Figure 2 Mounting surfaces must be cleaned, new adhesive and rubber strips applied as needed.

2. Affected Units

This procedure applies to part number 23905000 (40-foot) and 23906000 (31-foot) Agility Fuel Solutions CNG-fueled buses supplied to NABI Bus, LLC for Dallas Area Rapid Transit (DART).

3. Corrective Action 4. Special Tools, Materials and Required Parts

A new adhesive tape and proper surface preparation increases rubber isolator adhesion.

A torque wrench is needed when installing the hinge brackets.

QTY PER VEHICLE	PART NUMBER	DESCRIPTION
Roll	10802106	3M VHB Tape 4952, One-Inch Width
1	10802107	3M Primer 94
Roll	10802109	Rubber Strips
19.5 Ft.	10802035	Self-Gripping Vinyl Edge Trim



WARNING

- 1) *Wear appropriate personal protective equipment (PPE) and fall arrestment gear when servicing roof-mounted systems.*
- 2) *Always be mindful of high pressure plumbing while working on the fuel system.*

NOTE

System defuel is NOT required for this procedure.

5. Procedure – System Frame Rubber Isolators

1. It is not necessary to depressurize the system.
2. Refer to Figures 1 through 6. Remove all rubber strips away from the frame.
3. ***IMPORTANT: Prepare the mounting surfaces. Follow the manufacturer's instructions for the 3M primer to ensure proper adhesion.***



Figure 3 Small rubber strips at the door hinges may also be affected by adhesive failure.



Figure 4 Location of rubber strips on doors. There should be two strips on either side of the hinge for a total of 8 pieces for each pair of doors.

4. Apply the adhesive tape per manufacturer's instructions.

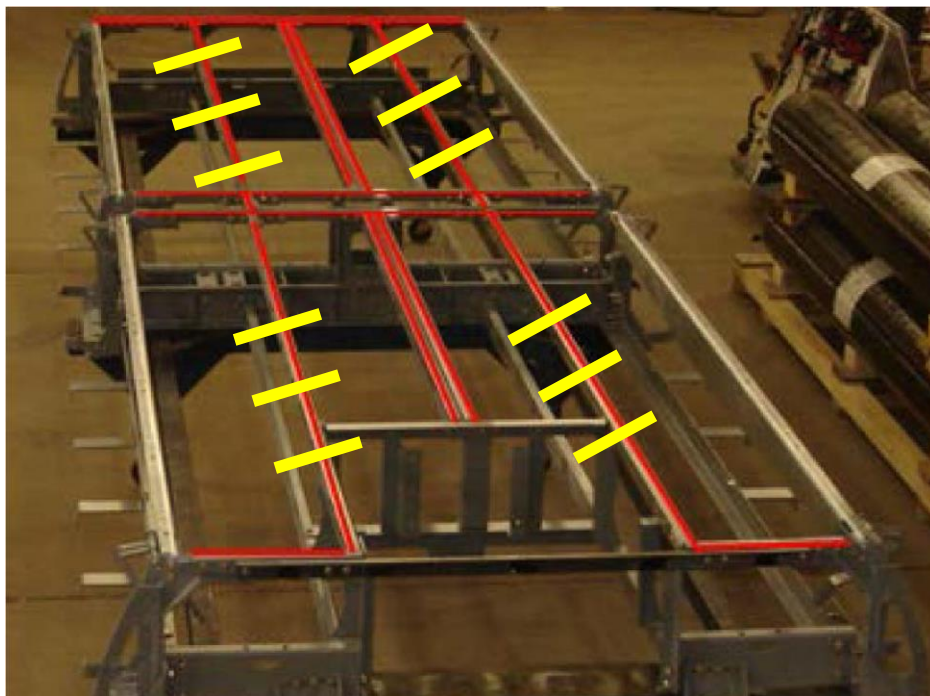


Figure 5 Rubber isolator locations for the 31-ft. system. Use four (4) equal length sections on the beams and locations shown. The yellow markers indicate cut locations.

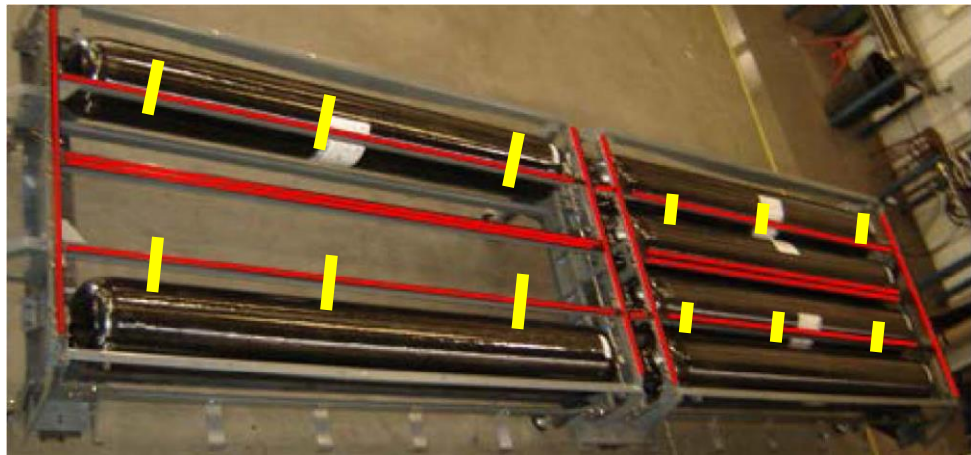


Figure 6 Rubber isolator locations for the 40-ft. system. Use four (4) equal sections as shown above. The yellow markers indicate cut locations.

5. **ADD:** Install sections of self-gripping vinyl edge trim to the front and rear curbside doors as shown. The curbside doors are the ones with latches.

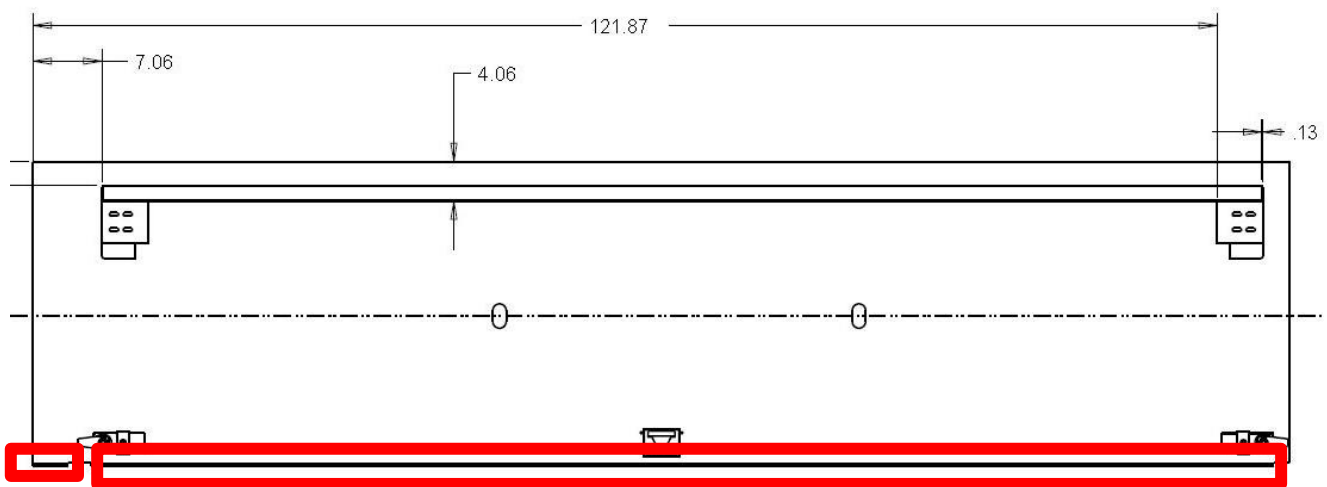


Figure 7 Front curbside door: Install rubber edging to the locations shown. One short piece and one long piece is needed for each door. Forty-foot system shown.

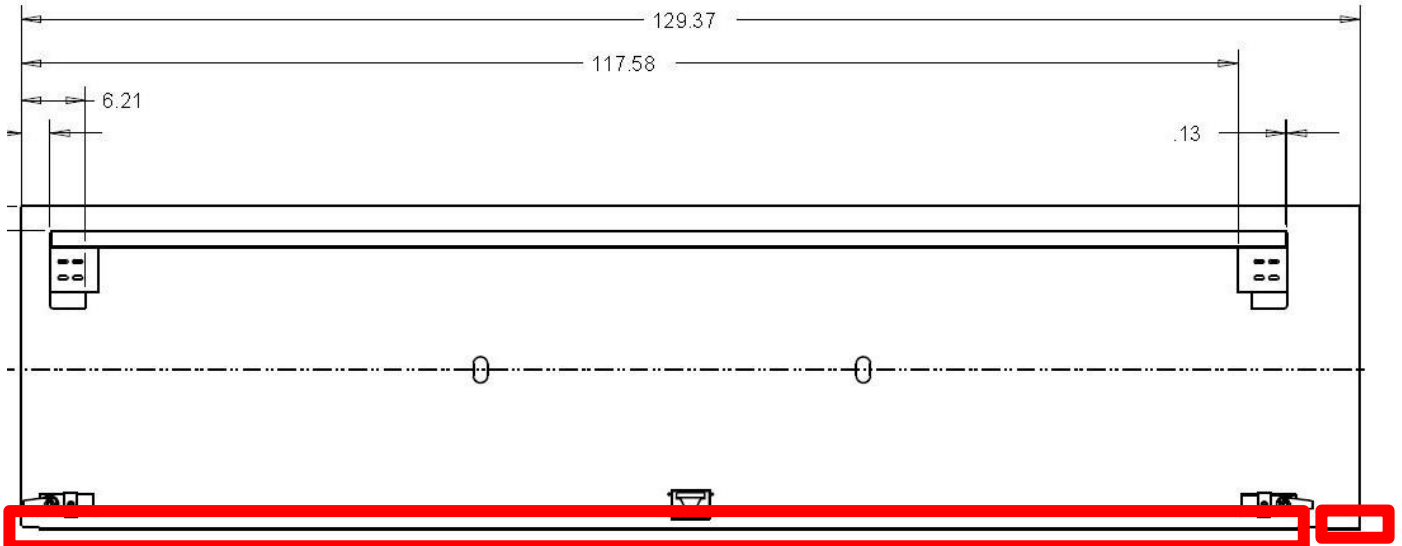


Figure 8 Rear curbside door: Install rubber edging to the locations shown. One short piece and one long piece is needed for each door. Forty-foot system shown.



Figure 9 Example of installed edging. This is the short piece at the corner of a door.

8. Warranty Information

1. The standard Agility Fuel Solutions warranty applies.
2. Standard repair time (SRT) for this procedure is 2 hours per vehicle.

If you have any questions, contact Agility Fuel Solutions Customer Care at 949-267-7745 or support@agilityfs.com.

Agility Fuel Solutions | 1815 Carnegie Ave. | Santa Ana, CA 92705 USA



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Revision	Description	Author	Editor	Approved By	Date
--	Initial Release	W. Yoshida		A. Bhakta	9/29/15
A	Rubber isolator inspection and installation notes	W. Yoshida		A. Bhakta	6/14/16
B	Add self-gripping vinyl edge trim	J. Maycock	W. Yoshida	A. Bhakta	9/9/16
C	Customer comments added	J. Maycock	W. Yoshida	W. Yoshida	9/16/16
D	Cut rubber strips into 4 lengths, not one single long piece; changed to new logos and company name	J. Maycock	W. Yoshida	A. Bhakta	11/15/16