



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

ENP-403
Rev F: March 15, 2017

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.

This revised and final procedure requires the removal of existing rubber strips from the framework and the replacement rubber strips are attached to the doors.



Figure 1 FOR REFERENCE ONLY. Rubber isolators on roof mount systems are to be replaced with new 3M tape and rubber strips on the mating surfaces on the doors. Surface preparation is important for proper adhesion.

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

Remove rubber strips from the fuel system framework. Prepare surfaces for the adhesive tape: The rubber strips are to be mounted on the fuel system cover doors.

4. Special Tools, Materials and Required Parts

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	<u>10802111</u>	Rubber Strips
19.5 Ft.	10802035	Self-Gripping Vinyl Edge Trim

⚠ DANGER

A. Wear appropriate personal protective equipment (PPE) and fall arrestment gear when servicing roof-mounted systems.

B. 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 Figure 1. Remove all rubber strips from the frame.

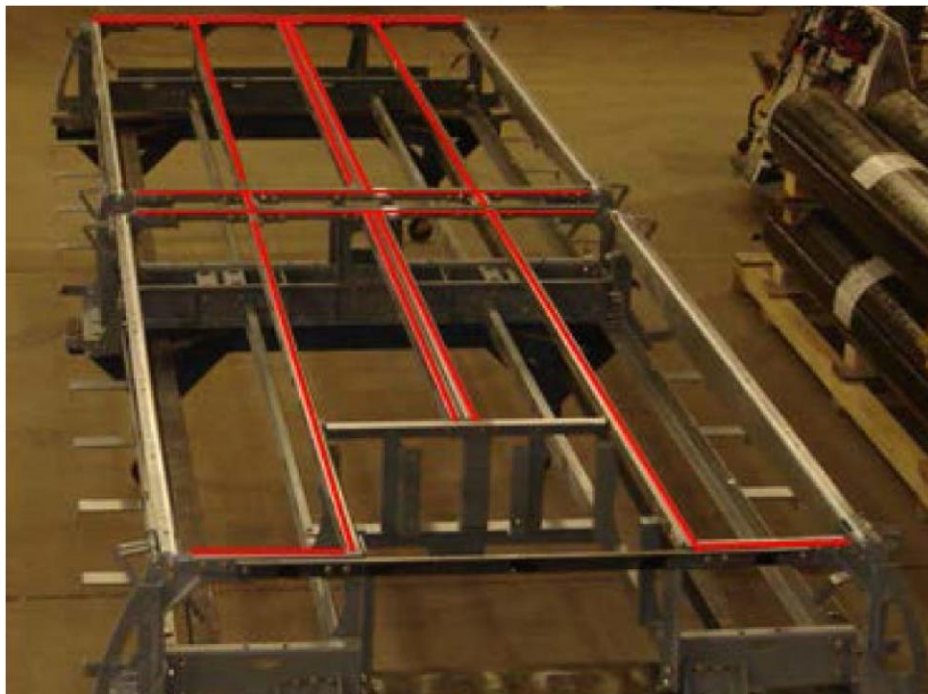


Figure 2 Remove all rubber strips from the system frame. The 31- and 40-foot systems are similar.

3. Remove all traces of the adhesive tape with isopropyl alcohol.
4. **Inspect or add, if missing:** 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.

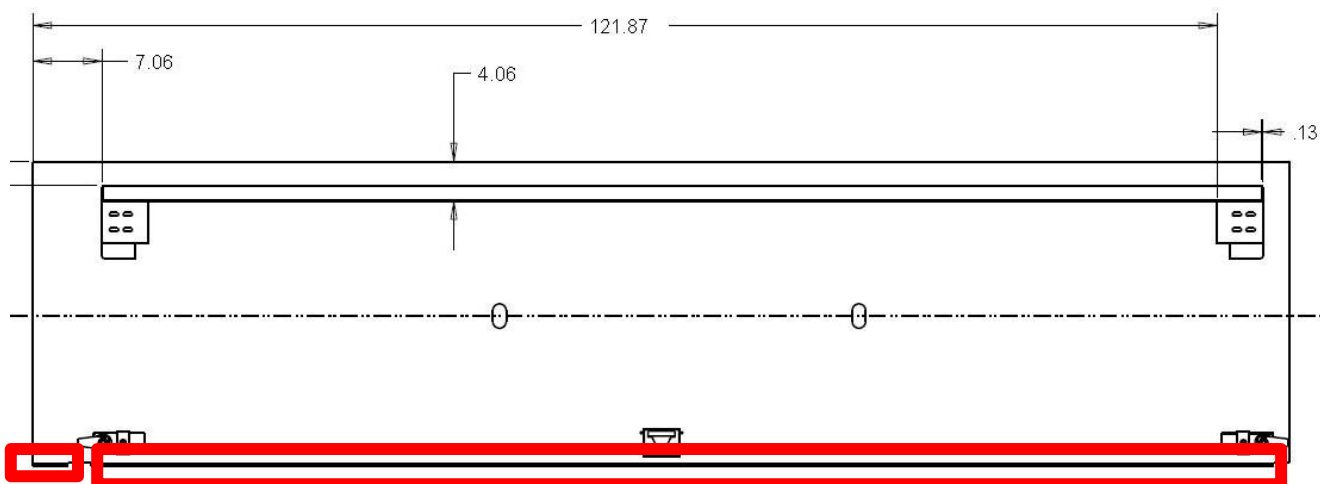


Figure 3 Front curbside door: Install rubber edging to the locations shown. One short piece and one long piece is needed for each door. Forty-foot system shown.

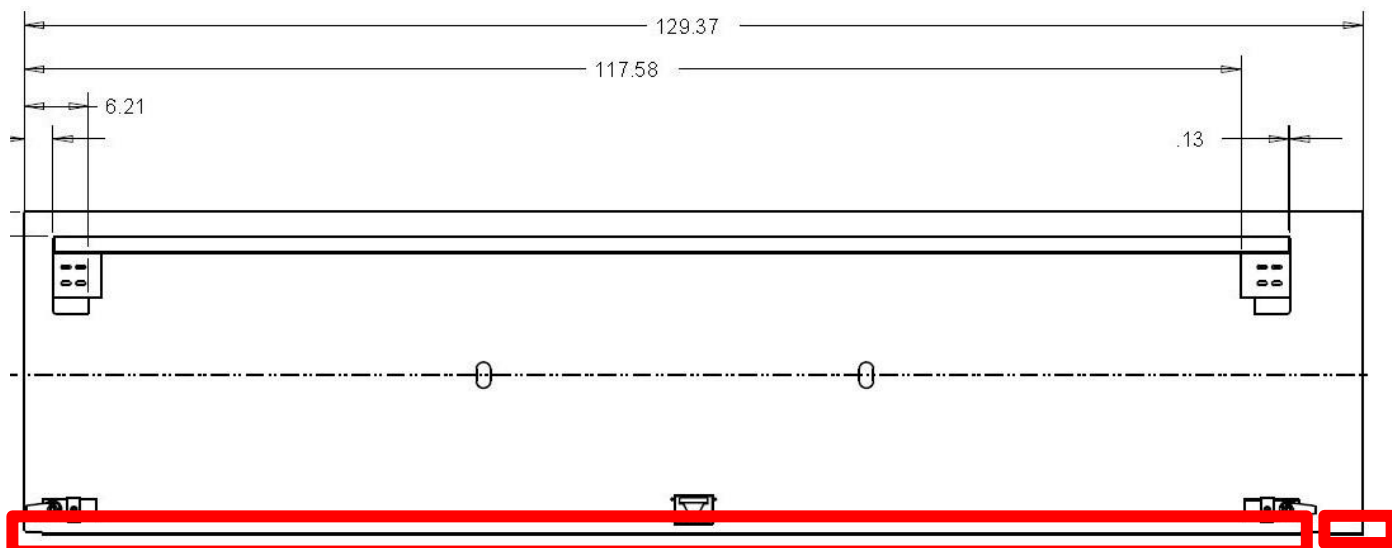


Figure 4 Rear curbside door: Install rubber edging to the locations shown. One short piece and one long piece is needed for each door. Forty-foot system shown.



Figure 5 Example of installed edging. This is the short piece at the corner of a door.

5. Prepare and prime the door surface for the adhesive. Use the scuff marks on the doors to guide tape and rubber strip placement.
6. The strips should be attached in sections to help simplify replacement. Leave two-inch gaps between strips. This dimension is not critical. See Figures 6, 7 and 8.



Figure 6 In most cases, scuff marks or dirt can provide a perfect guide for the placement of new rubber strips on the doors.



Figure 7 The door surfaces are cleaned and prepared for the adhesive, and the new rubber strips are installed in the locations touching the system frame.



Figure 8 The rubber strips are cut into sections to simplify installation and replacement as the rubber wears. Actual length is not critical, but a suggested gap is 2-inches between strips as shown.

8. Warranty Information

1. The standard Agility Fuel Solutions warranty applies.
2. Standard repair time (SRT) for this procedure is 1.5 hours per vehicle.

Warning Messages Used in this Bulletin



Personal injury or death will occur if procedures are not followed.



Damage to equipment, fuel system or vehicle is possible if instructions are not followed.

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

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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



E	Add 2-inch gap between strips	J. Maycock	W. Yoshida	A. Bhakta	12/7/2016
F	Remove rubber strips from frame. Mount rubber strips to doors. Revised SRT. Note new part number for rubber strips.	J. Maycock	W. Yoshida	A. Bhakta	3/15/17