



Field Service Bulletin
Pressure Relief Device Vent Tube Caps

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1. Introduction

Pressure relief device (PRD) vent lines must be capped to prevent moisture and debris from entering the PRD vent lines and PRD body. Agility Fuel Systems places UV-protected plastic caps over the ends of PRD vent lines.

A new heat-shrink vent tube cap is being installed on new systems starting on or about June 15, 2016. The new cap is being introduced to improve retention and prevent accidentally being dislodged from operation and maintenance (i.e. tree branch strikes, pressure washing, etc.). The new cap includes an internal layer of heat-activated adhesive.

There is no need to remove and replace existing caps, but any missing caps should be replaced with the new heat shrink caps as needed.

This is not a recall or a service campaign.

The new caps reduce inventory: One size will fit both 3/8-inch and 1/2-inch vent tubes. The new part number is 10702028.

2. Affected Units

All CNG vehicle fuel systems. Replace missing or worn PRD vent caps after visually inspecting the PRD vent lines and PRD bodies.



WARNING - CAUTION

Remember, if a PRD vent tube cap is missing, you must inspect and remove any water or other contaminants from the PRD vent tube. You must also check the PRD body for rust or corrosion. If the PRD body shows signs of rust or corrosion, the PRD must be replaced.

DO NOT simply replace the cap.



Figure 1 Various PRD vent caps.



Figure 2 New heat shrink PRD vent caps in place. Production caps will be red, for higher visibility.

3. Corrective Action

Replace missing PRD vent caps with the new heat shrink types as needed.

4. Parts, Tools and Materials

- PRD Vent Cap, 3/8-inch and PRD Vent Cap, 1/2-inch, part number: **10702028**
 - The new part replaces the old, non-heat shrinkable caps 10702028 (1/2-in.) and the 1072030 (3/8-in.).
- Heat Gun with applicable reducing nozzle
 - Ungar 1095 Dual Temperature Heat Gun
 - Milwaukee Dual Temperature Heat Gun 8975-6 with Air Reduction Nozzle 46-80-0297 or Hook Nozzle 49-80-0292
- Tube de-burring tool, if needed

5. Procedure

1. The PRD vent tubes should be clean, smooth and burr-free. If not, clean and/or deburr the tubing ends.
2. Insert the caps over the tube ends as shown in Figure 3.



Figure 3 Vent cap installed prior to heating.

3. Set the heat gun temperature to “Low.” There is no need to calibrate the temperature of the heat gun output.
4. The best results are obtained when using a heat gun equipped with a reducer nozzle as shown in Figure 4.
 - a. A “hook” accessory is also acceptable, as shown in Figure 5.
5. Make sure the heat gun is always moving as you heat the cap to prevent scorching and burning with the cap or the fuel system cabinet.



Figure 4 Installation using reducer nozzle.



Figure 5 Using a hook accessory is another acceptable installation tool.

6. Heat until adhesive starts to flow at edge of cap. The required temperature at the surface of the cap is min. 275°F (135°C) to shrink the cap and activate the adhesive. Figure 6 shows the new PRD vent caps correctly installed. Figure 7 shows incorrect installation.



Figure 6 Correctly installed vent caps.




Figure 7 Incorrectly installed vent caps. Left image shows too much heat applied. Right image shows insufficient heat applied.

6. Warranty Information

Caps are to be replaced as needed. Standard warranty period applies. There is no need to retro-fit any system vent caps in the field, unless missing or damaged.

Standard repair time (SRT) is 0.25 hours.

If you have any questions, contact Agility Fuel Systems Product Support at 949-267-7745 or support@agilityfs.com.



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--	Initial Release	W. Yoshida	A. Bhakta	4/29/16
A	Added heat gun details	W. Yoshida	A. Robertson	6/9/16