



Field Service Bulletin
Emcara Area PRD Remove and Replace Procedure

ENP-413, Rev. A
July 7, 2015

1. Introduction

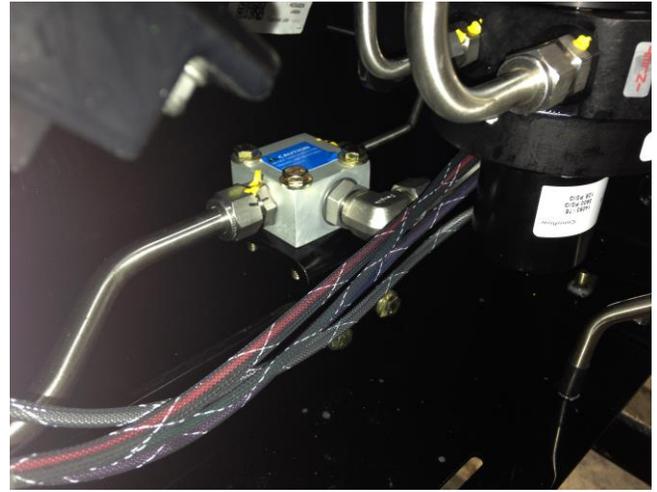
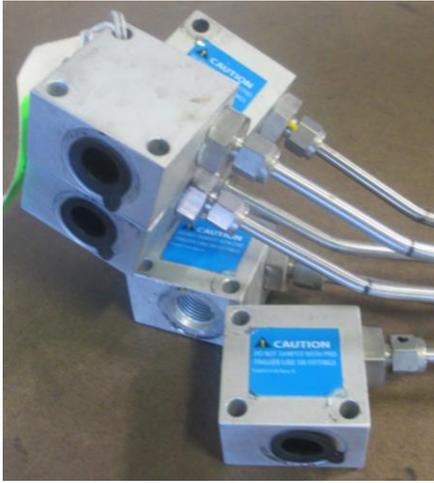


Figure 1 Left: Typical area PRDs used by Agility Fuel Systems. Right: Area PRD installed in a side mount system. The pre-installed tube contains a temperature sensitive wire trigger.

When servicing area-type pressure relief devices (PRDs), the replacements must be matched to the system, since the device body and the trigger tube must be a certain length and shape for the fuel system configuration. This document covers the removal and replacement of area PRDs as noted in Section 2.

2. Affected Units

This procedure applies to Agility Fuel Systems CNG side (rail) mounted fuel systems using Emcara area PRDs. System numbers 25789600 (40 DGE, no FMM, one piece cover), 25789700 (40 DGE, Left Side, with FMM), 25799600 (45 DGE, no FMM, one piece cover) and 25799700 (45 DGE, Left Side, with FMM).

3. Tools, Materials and Required Parts

1. Common hand tools
2. Leak detection fluid
3. O-ring lubricant, high pressure, silicone-based such as Parker Super-0-Lube
4. A replacement PRD Selection Matrix is shown below and drawings are attached to the end of this bulletin.

Table 1

System Number	System Description	Replacement PRD Assembly	PRD Assembly (Straight Trigger Line)
25789600	40 DGE, no FMM	25780401 (pre-formed trigger line)	10300660
25789700	40 DGE, Left Side, with FMM		
25799600	45 DGE, no FMM	25790400 (pre-formed trigger line)	10300661
25799700	45 DGE, Left Side, with FMM		

4. Procedure



DANGER

Since PRDs are connected directly to the CNG cylinders, the fuel tubes are always under full and constant high pressure. You must defuel the cylinders before performing work on the PRDs.

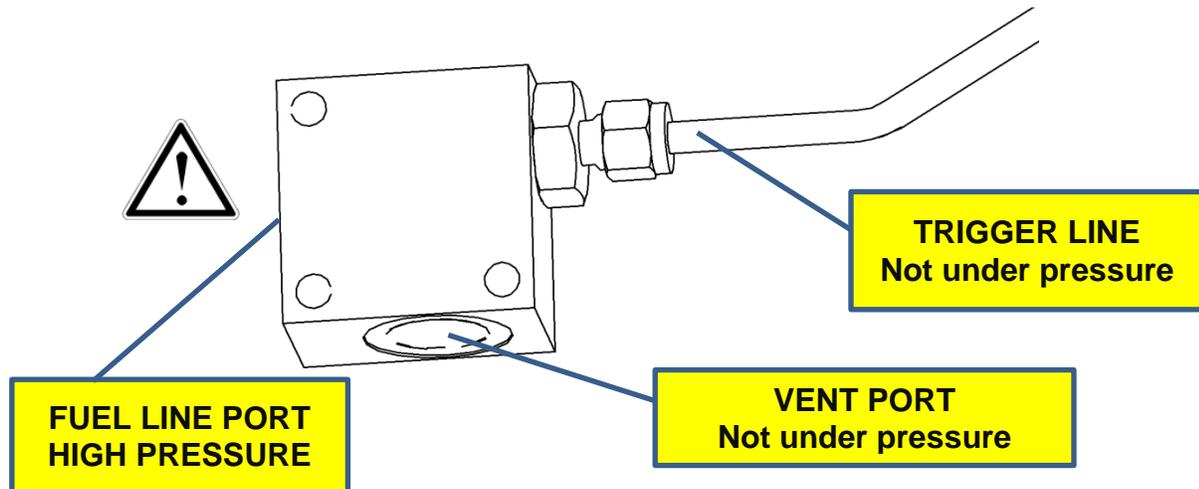


Figure 2 High pressure and vent port locations on the area PRDs.

1. Depressurize and **de-fuel** the system.
2. To gain access to the PRD, remove the 3/8-16 bolts on the bottom cover, as shown in Figure 2.

**SYSTEM TILTED TO SHOW
BOTTOM COVER**

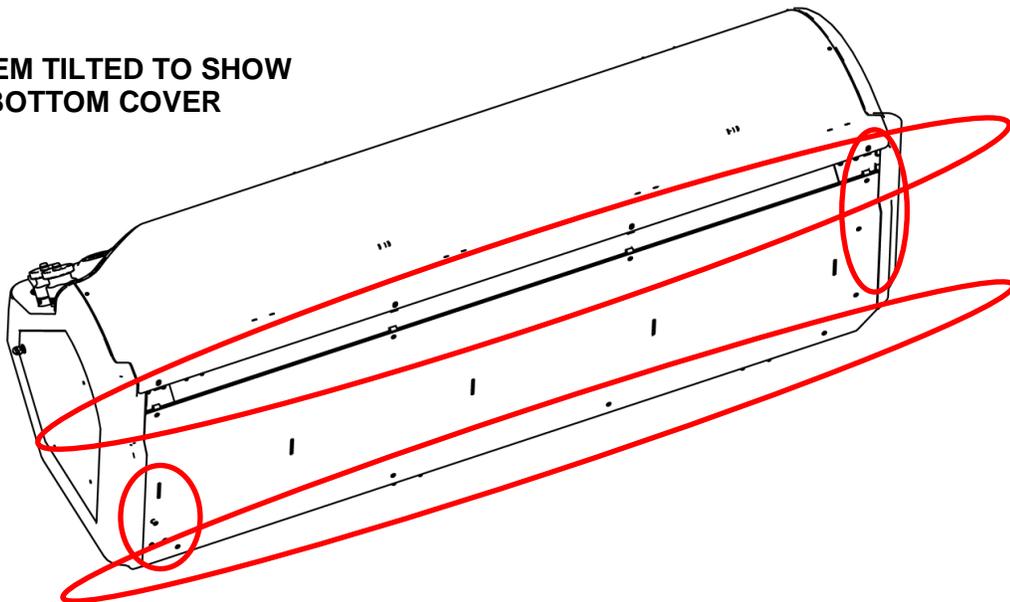


Figure 3 Working under the vehicle, remove the bottom cover to gain access to the PRD and vent tube. (Left side mount system with FMM shown.)

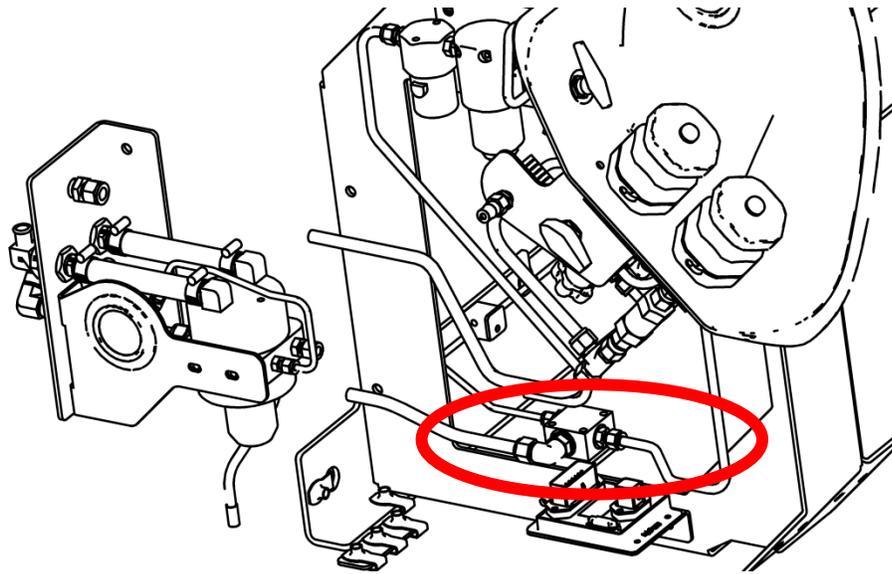


Figure 4 Remove the fuel tubes and three bolts to remove the PRD.

3. Remove the two fuel tubes going to the PRD and remove the three bolts that secure the PRD to the mounting bracket as shown in Figure 3.
4. Remove the PRD trigger tube mounting clamps. The trigger tube is part of the PRD and must be removed and replaced with the new PRD.

Note: The lower rear heat shield bolts may be removed to access the trigger tube and clamps.

5. Remove the PRD.
6. Install the new PRD with its formed trigger line onto its mounting bracket. Refer to Table 1 for the correct PRD part number. Drawings are attached at the end of this bulletin for length and shape reference.
7. Attach the tubes to the PRD.
8. Re-fuel the system, test for leaks, and repair as needed.
9. When the system is leak-free, the vehicle can be returned for service.

5. Warranty Information

1. This procedure is covered under warranty. Return the defective parts using the CRN procedure in the Warranty Manual, ENP-067, Section 3.6:
 - a. All removed components must be identified with the CRN.
 - b. The servicing dealer will have 15 days to return the defective part to Agility. The package and label containing the returned part(s) must be clearly marked with the CRN. Return parts may be shipped UPS collect to:

Agility Fuel Systems

Attn: Warranty Processing – CRN _____

1815 Carnegie Ave

Santa Ana, CA 92705 USA

- c. If requested parts are not returned to Agility per the above listed guidelines, the dealer will be charged back for all parts contained within each claim or shipped to the dealer by Agility.
2. Standard repair time (SRT) for this procedure is 2 hours per area PRD.

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

Agility Fuel Systems, Product Support, 1815 Carnegie Ave., Santa Ana, CA 92705 USA

Warning Message Used in this Bulletin



DANGER

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

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Revision	Description	Author	Approved By	Date
--	Initial Release	W. Yoshida	A. Bhakta	7/1/15
A	Corrected pressure areas in Fig. 2, added straight trigger line part numbers for Table 1	W. Yoshida	A. Bhakta	7/7/15