



CNG Field Service Bulletin
Add a Bleed Valve to a Miami Cylinder Valve
ENP-673
May 14, 2018

1. Introduction

This is a procedure for modifying a Miami solenoid cylinder valve to include a pressure bleed valve.

This is a customer-requested modification to verify fuel pressure in the cylinder pack.

It is not necessary to modify all cylinder valves in the roof pack to verify pressure, only the middle two cylinder valve need this modification.

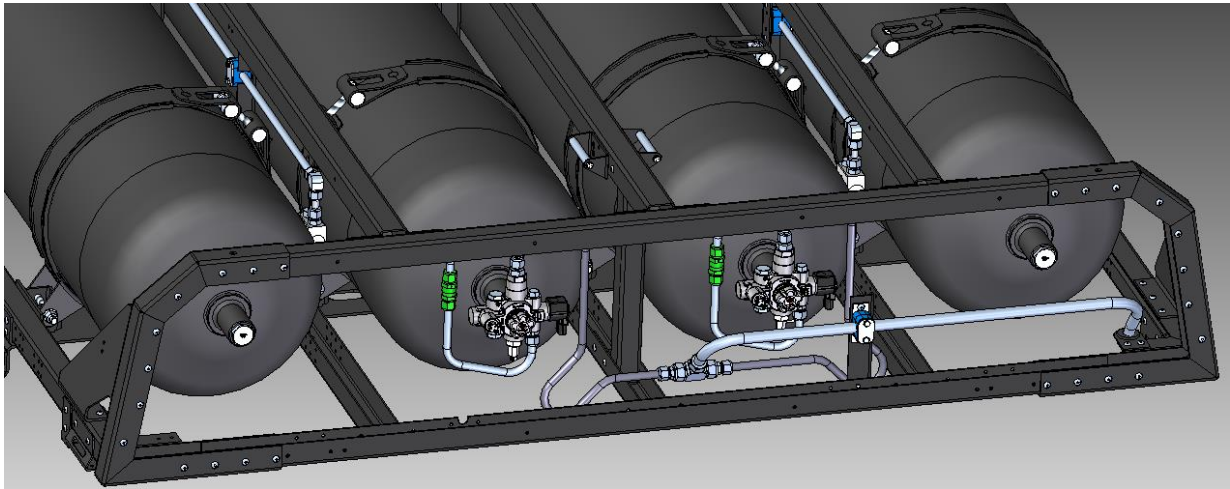


Figure 1. Cylinder bleed valves are installed in the center pair of Miami valves as shown.

Warning Messages Used in this Bulletin



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



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

2. Affected Units

This modification procedure is for a specific customer request.

3. Corrective Action

Does not apply.

4. Tools and Materials

- Personal protective equipment (PPE), including eye protection and fall arrestment.

- Common hand and power tools for CNG fuel system maintenance and service.
- O-ring lubricant, Parker Super-0 lube or similar.
- Parts required for a Roofpack with two or four Miami valves:

Qty.	Part Number	Description
2	240337-01	Bleed valve
2	240321-51	Reducer
2	240318-226	O-ring for the reducer

DANGER

The system must be depressurized and defueled before performing work.

5. Procedure

1. Defuel the system before starting work. You must defuel the system to ensure safety. If you are not sure how to perform this, contact Customer Care for assistance.
1. The cylinder valve should not be removed.
2. Modify the Miami cylinder valve as follows.

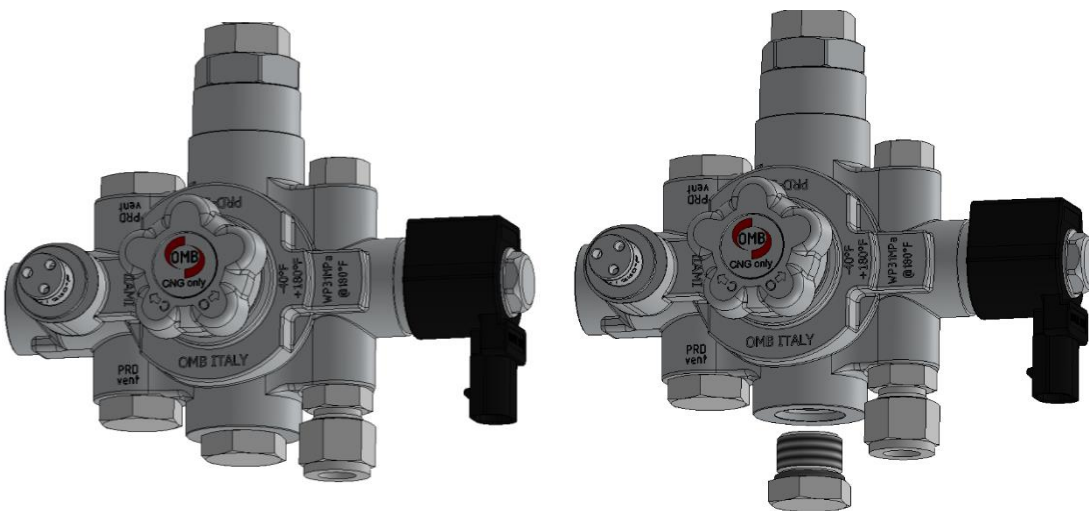


Figure 2. Remove the plug from the cylinder valve as shown.

- a. Remove the plug from the valve as shown in Figure 2 and replace it with the reducer adapter as shown in Figure 3. Remember to lube the O-ring.

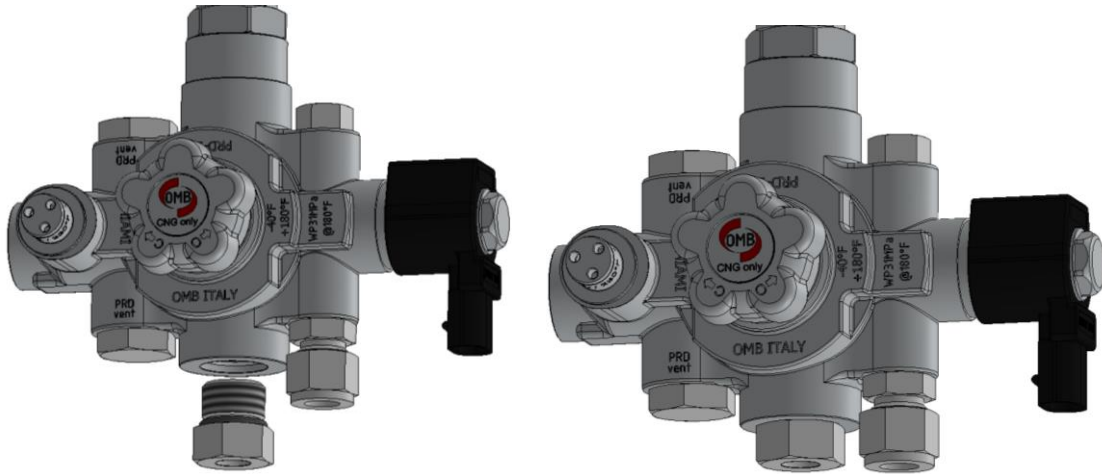


Figure 3. Replace the plug with the adapter as shown. Make sure to lube the O-ring before installing the adapter.

- b. Torque the 7/8-14 adapter to 50 ft-lbs., ± 5 ft-lbs.
- c. Install the bleed valve into the adapter as shown in Figure 4. Although space is limited, there should be enough room to install the bleed valve without removing surrounding tubes.
- d. Torque the bleed valve to 14 ft-lbs., ± 2 ft-lbs.

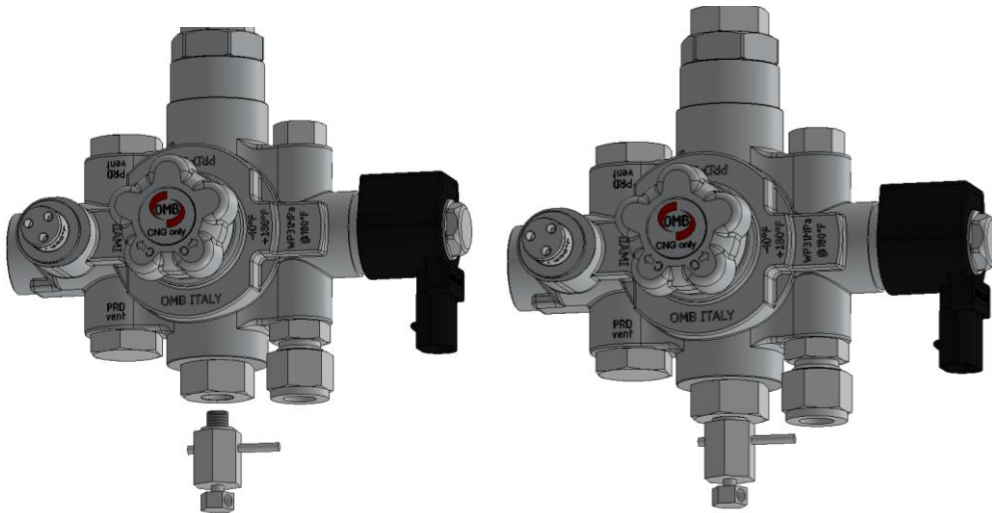


Figure 4. Install the bleed valve into the adapter.

- 3. Repeat the procedure for the other cylinder.
- 4. Repressurize the system, test for leaks.
- 5. If any leaks are found, repair them.

6. Test the bleed valve by using a wrench and turn the valve stem counterclockwise just enough to let gas escape. Then, close the valve and torque to 4 ft-lbs to 5 ft-lbs.

⚠ WARNING

Full cylinder pressure will flow out of the bleed valve. Perform this in a well ventilated area and be aware of where the gas is being released.

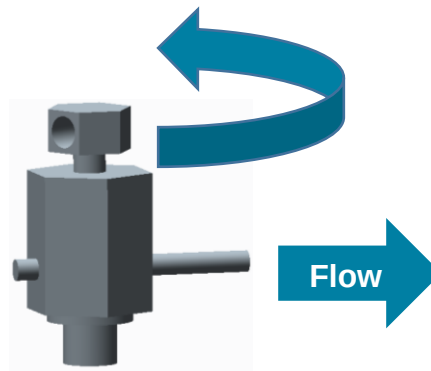


Figure 5. Open the bleed valve by turning the stem slowly to let gas escape. Then close the valve. Torque specification: 4 ft-lbs to 5 ft-lbs.

7. Update the vehicle service and maintenance records, and refer to this bulletin.
8. The system is ready for normal service.

⚠ WARNING

This modification is intended to only verify whether or not pressure exists inside the cylinders.

Although the bleed valves may be used to defuel the system, the only way to defuel using the bleed valves is to vent to atmosphere. Verify with local authorities if this is allowed, and do this in a well ventilated area where no gas can be trapped.

The best way to defuel a vehicle is to consume as much as possible (run the engine or drive the vehicle to near-empty) to minimize the defueling process and follow the defueling process using the defuel circuit in the fuel system.

9. Warranty Information

1. The kit of parts is covered under the standard warranty.
2. Standard installation time is .25 hours (15 minutes) per cylinder.

If you have any questions, contact Agility Fuel Solutions Customer Care: +1 949 267 7745, toll free: +1 855 500 2445 or support@agilityfs.com.

Proprietary Statement

The information provided within this document is proprietary and confidential. All prior versions, including updates and revisions forwarded separately, are proprietary. The information provided by Agility Fuel Solutions to its customers and clients is solely for the use of those customers and clients. No portion of this manual may be reproduced or distributed without express written consent of Agility Fuel Solutions. Agility Fuel Solutions reserves the right to utilize the intellectual property contained within this publication as content for any other publication produced by Agility Fuel Solutions.

Trademark Notice

Agility® and TUFFSHELL® are registered trademarks of Agility Fuel Solutions. Drop-N-Go™ is a trademark of Agility Fuel Solutions. Trademarks of other manufacturers are the property of their respective companies.

Agility Fuel Solutions

3335 Susan Street Suite 100

Costa Mesa, CA 92626 USA

www.agilityfuelsolutions.com