

# Part 573 Safety Recall Report

## 24E-099

**Manufacturer Name :** Agility Fuel Solutions

**Submission Date :** NOV 20, 2024

**NHTSA Recall No. :** 24E-099

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Agility Fuel Solutions

**Address :** 3335 Susan Street Suite 100  
Costa Mesa CA 92626

**Company phone :** 949-236-5520

### Population :

**Number of potentially involved :** 1,436

**Estimated percentage with defect :** 1 %

Equipment Information :

Brand / Trade 1 : Agility Fuel Solutions  
Model : Roof-Mounted CNG Fuel System  
Part No. : See list  
Size : NR  
Function : CNG Fuel System

Descriptive Information : This recall covers CNG fuel systems produced during the specified production period that were equipped with certain manual valves that have exhibited stress corrosion cracking in the port area. The recall scope was determined based upon a review of production records to identify the period during which a potentially suspect process (i.e., introduction of pressure test tool/plug process) was used and/or corrosion was detected. This issue is still under investigation; accordingly, the scope of this recall may be narrowed (or potentially expanded) as the investigation proceeds.

The Roof-Mounted version includes the following part numbers, totaling 855 fuel systems:

- 20435000
- 20436000
- 20437000
- 20439000
- 20535000
- 20536000
- 20537000
- 20435000-WM
- 20436000-WM
- 20437000-WM
- 20535000-WM
- 20536000-WM
- 20537000
- 21213000
- 20537000-WM

Production Dates : NOV 04, 2022 - OCT 15, 2024

Brand / Trade 2 : Agility Fuel Solutions  
Model : Tailgate-Mounted CNG Fuel System  
Part No. : See list  
Size : NR  
Function : CNG Fuel System

Descriptive Information : This recall covers CNG fuel systems produced during the specified production period that were equipped with certain manual valves that have exhibited stress corrosion cracking in the port area. The recall scope was determined based upon a review of production records to identify the period during which a potentially suspect process (i.e., introduction of pressure test tool/plug process) was used and/or corrosion was detected. This issue is still under investigation; accordingly, the scope of this recall may be narrowed (or potentially expanded) as the investigation proceeds.

The Tailgate-Mounted version includes the following part numbers, totaling 469 fuel systems:

21138000  
21139000  
21150000  
21151000  
21138000-WM  
21139000-WM  
21150000-WM  
21150000-WM-ED595

Production Dates : NOV 04, 2022 - OCT 15, 2024

Brand / Trade 3 : Agility Fuel Solutions  
Model : Front-of-Body Mounted CNG Fuel System  
Part No. : See list  
Size : NR  
Function : CNG Fuel System

Descriptive Information : This recall covers CNG fuel systems produced during the specified production period that were equipped with certain manual valves that have exhibited stress corrosion cracking in the port area. The recall scope was determined based upon a review of production records to identify the period during which a potentially suspect process (i.e., introduction of pressure test tool/plug process) was used and/or corrosion was detected. This issue is still under investigation; accordingly, the scope of this recall may be narrowed (or potentially expanded) as the investigation proceeds.

The Front-of-Body Mounted version includes the following part numbers, totaling 112 fuel systems:

23106000-WM  
23106000

Production Dates : NOV 04, 2022 - OCT 15, 2024

Description of Defect :

Description of the Defect : The valve on the subject fuel systems may develop stress corrosion cracking in the bottom plugged port.

FMVSS 1 : NR  
FMVSS 2 : NR

Description of the Safety Risk : If this condition develops, the port may crack or separate completely, allowing the contents of the tank to vent to atmosphere, which, in the presence of an ignition source, presents a risk of fire.

Description of the Cause : The root cause of the stress corrosion cracking is still under investigation. However, preliminary investigation suggests that this condition relates to a pressure test tool/plug process that was introduced after 11/4/22 and discontinued 10/15/24.

Identification of Any Warning that can Occur : An increasingly large leak resulting in loud hissing gas and a white plume of gas venting from the system may be observed.

Involved Components :

Component Name : Manual Cylinder Valve

Component Description : Manual Cylinder Valve

Component Part Number : Agility Part #10300466, OMB Part #696UULXVATH

### Supplier Identification :

#### Component Manufacturer

Name : OMB-Saleri S.P.A.

Address : Via Rose di Sotto, 38/c  
Brescia Lombardia Foreign States 25126

Country : Italy

### Chronology :

August 31, 2024: Agility's engineering team was advised of a report from a customer that the manual cylinder valve on a CNG fuel system experienced a leak. A review of service records revealed two additional failure reports (failure dates 6/19/2024 and 8/19/2024). Arrangements were made to obtain the valves for analysis.

September 12 – November 13, 2024: Valves were sent to Agility engineering and a root cause investigation was initiated, which included the following activities: review of high magnification photos and analysis from engineering teams; regular meetings with the supplier, OMB-Saleri S.P.A. ("OMB"); review of internal Fourier-transform infrared (FTIR) results of failed valve; review of OMB's manufacturing processes; three failed valves were to OMB for analysis; review of preliminary findings from OMB; and testing of new valves from stock to attempt to recreate failure mode (high magnification photos, measurements of pressure test plug tools, pressure cycling, strain gage of valves, corrosion testing; and high temperature exposure). During this period, three additional valve failures were reported. Based upon the results of the investigation to date, Agility's engineering team recommended that the matter be escalated to Agility's Safety Committee for consideration.

November 13, 2024: Agility's Safety Committee decided to initiate a safety recall to address this condition.

To date, there have been no reports of accidents, injuries or fires related to this issue.

## Description of Remedy :

Description of Remedy Program : Agility will notify affected customers of the recall and arrange to have the valves replaced (two per fuel system). Agility requests that it be exempt from providing a reimbursement plan, as any failures would have been addressed under Agility's warranty program.

How Remedy Component Differs from Recalled Component : Remedy components will not be subjected to the pressure test tool/plug process that is suspected as causing or contributing to the defect condition.

The recalled component is:  
Component Name: Manual Cylinder Valve  
Component Part Number: Agility 10300466, OMB 696UULXVATH

The remedy component is the same part as the suspect component. The remedy component is:  
Component Name: Manual Cylinder Valve  
Component Part Number: Agility 10300466, OMB 696UULXVATH

Identify How/When Recall Condition was Corrected in Production : The suspect pressure test tool/plug process was discontinued in production on 10/15/24.

## Recall Schedule :

Description of Recall Schedule : The Planned Dealer Notification Dates are the anticipated date of notification to Agility's OEM customers and dealer/body builder customers.

Agility will commence notification to fleet customers or other owners per the "Owner Notification" schedule.

Planned Dealer Notification Date : JAN 17, 2025 - JAN 17, 2025  
Planned Owner Notification Date : JAN 17, 2025 - JAN 17, 2025

## Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : See list submitted separately.  
Address : NR  
00  
Country : NR  
Company Phone : NR

\* NR - Not Reported