

# Part 573 Safety Recall Report

## 20E-019

**Manufacturer Name :** Agility Fuel Solutions

**Submission Date :** APR 08, 2020

**NHTSA Recall No. :** 20E-019

**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 :** 5,482

**Estimated percentage with defect :** 100 %

### Equipment Information :

**Brand / Trade 1 :** Agility Fuel Solutions

**Model :** CNG Fuel System

**Part No. :** 27021000

**Size :** NR

**Function :** CNG Fuel System

**Descriptive Information :** Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

**Production Dates :** DEC 22, 2017 - APR 01, 2020

**Brand / Trade 2 :** Agility Fuel Solutions

**Model :** CNG Fuel System

**Part No. :** 240329-02

**Size :** NR

**Function :** CNG Fuel System

**Descriptive Information :** Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

**Production Dates :** DEC 22, 2017 - APR 01, 2020

Brand / Trade 3 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-03

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 4 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-01

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 5 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-04

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 6 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-05

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 7 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-11

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 8 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25516000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 9 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25517000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 10 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25520000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 11 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-06

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 12 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 240329-08

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 13 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25512000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 14 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25518000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 15 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25519000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 16 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25522000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 17 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 27701000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 18 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25521000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain EMER-supplied PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) installed as original equipment in transit buses.

4,626 of the subject PRDs were installed in 1,080 completed fuel systems produced from 12/22/2017 through 04/01/2020.

Production Dates : DEC 22, 2017 - APR 01, 2020

Brand / Trade 19 : Agility Fuel Solutions

Model : CNG Pressure Relief Device

Part No. : 10306997

Size : NR

Function : PRD

Descriptive Information : EMER-supplied PRDs (EMER Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) sold by Agility as loose parts (not part of a completed fuel system) for use in CNG fuel systems from 10/6/2016 through 04/01/2020. The total number of PRDs sold as loose parts is 856. The part numbers listed are Agility's assigned part numbers for these PRDs.

Production Dates : OCT 06, 2016 - APR 01, 2020

Brand / Trade 20 : Agility Fuel Solutions

Model : CNG Pressure Relief Device

Part No. : 16966-03

Size : NR

Function : PRD

Descriptive Information : EMER-supplied PRDs (EMER Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) sold by Agility as loose parts (not part of a completed fuel system) for use in CNG fuel systems from 10/6/2016 through 04/01/2020. The total number of PRDs sold as loose parts is 856. The part numbers listed are Agility's assigned part numbers for these PRDs.

Production Dates : OCT 06, 2016 - APR 01, 2020

Brand / Trade 21 : Agility Fuel Solutions

Model : CNG Pressure Relief Device

Part No. : 240313-03

Size : NR

Function : PRD

Descriptive Information : EMER-supplied PRDs (EMER Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) sold by Agility as loose parts (not part of a completed fuel system) for use in CNG fuel systems from 10/6/2016 through 04/01/2020. The total number of PRDs sold as loose parts is 856. The part numbers listed are Agility's assigned part numbers for these PRDs.

Production Dates : OCT 06, 2016 - APR 01, 2020

### Description of Defect :

Description of the Defect : The EMER-supplied thermally activated pressure relief devices (PRDs) listed above and installed on the subject CNG fuel systems may not vent the system when exposed to heat.

This condition was identified during bench testing. Agility is not aware of any accidents, injuries, fires or other incidents related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a PRD does not release, or is slow to release, during a fire on a fuel system, one or more system components may rupture, potentially causing equipment damage and/or personal injury.

Description of the Cause : The root cause is still being investigated.

Identification of Any Warning that can Occur : NR

### Involved Components :

Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD2302T-004



Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD2322T-001

Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD2322T-004

### Supplier Identification :

#### Component Manufacturer

Name : EMER S.p.A

Address : via Bormioli 19  
Brescia FOREIGN STATES 25135

Country : Italy

### Chronology :

3/24/2020: During bonfire testing conducted by Agility Fuel Solutions on compressed natural gas fuel tanks equipped with the PRDs listed above, the PRDs did not release when exposed to heat, causing the tank to rupture.

3/27/2020: Review of the bonfire test data confirmed that the test was conducted correctly and that the PRDs did not perform as designed.

3/31/2020: During subsequent bench testing, four additional subject PRDs did not perform as expected when exposed to heat.

4/1/2020: X-ray images of the parts confirmed that they did not function properly.

4/1/2020: Based upon the results of the investigation, Agility Fuel Solutions made a safety defect determination with respect to CNG fuel systems equipped with the subject PRDs as well as PRDs sold as spare/replacement parts.

Agility is not aware of any accidents, injuries, fires or other incidents related to this condition.

**Description of Remedy :**

Description of Remedy Program : Agility intends to work with its OEM customers and distributors to arrange owner notifications and replacement of the potentially defective PRDs on affected vehicles. All of the subject products remain under the manufacturer's warranty. Therefore, pursuant to 49 CFR 577.11(e), Agility requests an exemption from the reimbursement plan requirements.

How Remedy Component Differs from Recalled Component : The defective PRDs (Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004) will be replaced with PRDs that meet specifications.

Identify How/When Recall Condition was Corrected in Production : Agility ceased using the subject PRDs in production as of April 1, 2020.

**Recall Schedule :**

Description of Recall Schedule : Agility intends to formally notify affected customers within approximately 14 days. The timing of owner notification is unknown at this time and will be determined in consultation with the affected customers.

Planned Dealer Notification Date : APR 21, 2020 - APR 28, 2020

Planned Owner Notification Date : NR - NR

**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 : El Dorado National - California

Address : 9670 Galena St.  
Riverside CA 92509

Country : US

Company Phone : 7279320

Name : Gillig

Address : 451 Discovery Drive  
Livermore CA 94551

Country : US

Company Phone : 2645051

Name : Hudson Group (South Bay Ford Lincoln, In

Address : 17022 Montanero Ave #1  
Carson CA 90746

Country : US

Company Phone : 9257536

Name : ARBOC Specialty Vehicles LLC

Address : 51165 Greenfield Parkway  
Middlebury IN 46540

Country : US

Company Phone : 8256464

Name : Puritan Bakery (LATC - Transwest Truck C

Address : 1624 E Carson Street  
Carson CA 90745

Country : US

Company Phone : 9405166

Name : New Flyer Parts Division - Canada

Address : 630 Kernaghan Ave  
Winnipeg 00 R2C 5G1

Country : CA

Company Phone : 9347062

\* NR - Not Reported