

Part 573 Safety Recall Report

20E-019

Manufacturer Name : Agility Fuel Solutions**Submission Date :** APR 23, 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 :** 2,015**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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

Production Dates : DEC 22, 2017 - APR 01, 2020**Brand / Trade 2 :** 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 3 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 4 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 7 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 8 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 9 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 10 : 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.

Collectively, this recall involves 1134 completed fuel systems.

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

Brand / Trade 11 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 12 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25517000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems produced from 12/22/2017 through 04/01/2020 that were equipped with Emer PRD Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004, and fuel systems produced from 10/01/2018 through 04/01/2020 that were equipped with EMER PRD Part No. PRD2102T or Emer Valve Part No. Mark 147-008 (which contains an EMER PRD2102T), installed as original equipment in transit buses.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 13 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 14 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25519000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems produced from 12/22/2017 through 04/01/2020 that were equipped with Emer PRD Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004, and fuel systems produced from 10/01/2018 through 04/01/2020 that were equipped with EMER PRD Part No. PRD2102T or Emer Valve Part No. Mark 147-008 (which contains an EMER PRD2102T), installed as original equipment in transit buses.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 15 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 16 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25521000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems produced from 12/22/2017 through 04/01/2020 that were equipped with Emer PRD Part Numbers PRD2302T-004, PRD2322T-001, and PRD2322T-004, and fuel systems produced from 10/01/2018 through 04/01/2020 that were equipped with EMER PRD Part No. PRD2102T or Emer Valve Part No. Mark 147-008 (which contains an EMER PRD2102T), installed as original equipment in transit buses.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 17 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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

Brand / Trade 18 : 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.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

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 listed part number (10306997) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

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 listed part number (16966-03) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

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 listed part number (240313-03) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

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

Brand / Trade 22 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 23402000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain Emer-supplied PRDs (Emer PRD Part No. PRD2102T) or Emer-supplied valves containing these PRDs (Emer Valve Part No. Mark 147-007) installed as original equipment in transit buses. Based upon production records, one such unit is affected.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 23 : Agility Fuel Solutions

Model : Pressure Relief Device

Part No. : 10300068

Size : NR

Function : PRD

Descriptive Information : EMER-supplied PRD (EMER PRD Part Number PRD212) sold by Agility as loose parts (not part of a completed fuel system) from 10/1/2018 through 04/01/2020 for use in CNG fuel systems. The part number listed (P/N 10300068) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

Emer has identified certain PRDs and valves manufactured between September 14, 2018 and February 26, 2020 as suspect. Agility used that date range to develop the date range for the recall of these parts. It should be noted that Emer's date of manufacture is different than the date Agility produced CNG fuel systems or sold loose parts. Thus, for clarity, Emer parts with a manufacture date later than February 26, 2020 are not the subject of the recall.

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 24 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25513000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain Emer-supplied PRDs (Emer PRD Part No. PRD2102T) or Emer-supplied valves containing these PRDs (Emer Valve Part No. Mark 147-008) installed as original equipment in transit buses. Based upon production records, 44 such units are affected.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 25 : Agility Fuel Solutions

Model : CNG Fuel System

Part No. : 25515000

Size : NR

Function : CNG Fuel System

Descriptive Information : Agility CNG fuel systems equipped with certain Emer-supplied PRDs (Emer PRD Part No. PRD2102T) or Emer-supplied valves containing these PRDs (Emer Valve Part No. Mark 147-008) installed as original equipment in transit buses. Based upon production records, two such units are affected.

Collectively, this recall involves 1134 completed fuel systems and 881 loose parts (PRDs and valves).

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 26 : Agility Fuel Solutions

Model : Valve

Part No. : 10300949

Size : NR

Function : Valve

Descriptive Information : EMER-supplied Valve (EMER Valve Part Number Mark 147-007, which contains an EMER PRD Part No. PRD2102T) sold by Agility as loose parts (not part of a completed fuel system) from 10/1/2018 through 04/01/2020 for use in CNG fuel systems. The part number listed (P/N 10300949) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

Emer has identified certain PRDs and valves manufactured between September 14, 2018 and February 26, 2020 as suspect. Agility used that date range to develop the date range for the recall of these parts. It should be noted that Emer's date of manufacture is different than the date Agility produced CNG fuel systems or sold loose parts. Thus, for clarity, Emer parts with a manufacture date later than February 26, 2020 are not the subject of the recall.

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 27 : Agility Fuel Solutions

Model : Valve

Part No. : 10300954

Size : NR

Function : Valve

Descriptive Information : EMER-supplied Valve (EMER Valve Part Number Mark 147-002.R01, which contains an EMER PRD Part No. PRD2100R) sold by Agility as loose parts (not part of a completed fuel system) from 10/1/2018 through 04/01/2020 for use in CNG fuel systems. The part number listed (P/N 10300954) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

Emer has identified certain PRDs and valves manufactured between September 14, 2018 and February 26, 2020 as suspect. Agility used that date range to develop the date range for the recall of these parts. It should be noted that Emer's date of manufacture is different than the date Agility produced CNG fuel systems or sold loose parts. Thus, for clarity, Emer parts with a manufacture date later than February 26, 2020 are not the subject of the recall.

Production Dates : OCT 01, 2018 - APR 01, 2020

Brand / Trade 28 : Agility Fuel Solutions

Model : Valve

Part No. : 10301026

Size : NR

Function : Valve

Descriptive Information : EMER-supplied Valve (EMER Valve Part Number Mark 147-008, which contains an EMER PRD Part No. PRD2102T) sold by Agility as loose parts (not part of a completed fuel system) from 10/1/2018 through 04/01/2020 for use in CNG fuel systems. The part number listed (P/N 10301026) is Agility's assigned part number for these PRDs.

The total number of loose parts (PRDs and valves) covered by this recall is 881.

Emer has identified certain PRDs and valves manufactured between September 14, 2018 and February 26, 2020 as suspect. Agility used that date range to develop the date range for the recall of these parts. It should be noted that Emer's date of manufacture is different than the date Agility produced CNG fuel systems or sold loose parts. Thus, for clarity, Emer parts with a manufacture date later than February 26, 2020 are not the subject of the recall.

Production Dates : OCT 01, 2018 - 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

Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD212

Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD2102T

Component Name : Pressure Relief Device

Component Description : Pressure Relief Device used in CNG fuel systems

Component Part Number : PRD2100OR

Component Name : Valve

Component Description : Valve containing Emer PRD 2012T used in CNG fuel Systems

Component Part Number : Mark 147-007

Component Name : Valve

Component Description : Valve containing Emer PRD 2100R used in CNG fuel Systems

Component Part Number : Mark 147-002.R01

Component Name : Valve

Component Description : Valve containing Emer PRD 2012T used in CNG fuel Systems

Component Part Number : Mark 147-008

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 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. The Planned Owner Notification Begin Date and End Date listed here are provisional.

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

Planned Owner Notification Date : JUN 01, 2020 - JUN 05, 2020

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 : Puritan Bakery (LATC - Transwest Truck C

Address : 1624 E Carson Street
Carson CA 90745

Country : US

Company Phone : 9405166

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 : New Flyer Parts Division - Canada
Address : 630 Kernaghan Ave
Winnipeg 00 R2C 5G1

Country : CA
Company Phone : 9347062

Name : Allied Waste (Republic Services Field In
Address : HOV PO Box 3065021
Des Moines IA 50306-5020

Country : US
Company Phone : 6578456131

Name : MV Transportation Inc.
Address : 2024 College Street
Elk Horn IA 51531

Country : US
Company Phone : 6612956375

Name : NAPA Auto Parts - Chesterfield VA
Address : 800 Southlake Blvd.
North Chesterfield VA 23236

Country : US
Company Phone : NR

Name : Prevost Parts & Service Center – NJ
Address : 201 South Avenue
South Plainfield NJ 07080-3818

Country : US
Company Phone : 5816280229

Name : Riverside Transit Agency

Address : 1825 Third Street
Riverside CA 92507

Country : US

Company Phone : 9515655150

Name : Burrtec Waste - Corporate – Fontana

Address : 9890 Cherry Avenue, Bldg C
Fontana CA 92335-7119

Country : US

Company Phone : NR

Name : Burrtec Waste – Victorville

Address : 17080 Stoddard Wells Road
Victorville CA 92394-1623

Country : US

Company Phone : NR

Name : Creative Bus Sales

Address : 13501 Benson Avenue
Chino CA 91710-5232

Country : US

Company Phone : NR

Name : LACMTA

Address : P.O. Box 512296
Los Angeles CA 90051-0296

Country : US

Company Phone : NR

Name : MCNEILUS TRUCK & MANUFACTURING

Address : 524 County Road 34 East
PO Box 70 Dodge Center MN 55927

Country : US

Company Phone : NR

* NR - Not Reported