



(559) 485-4427
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March 5, 2019

RE: This is a vehicle Safety Defect Report

Manufacturer: A-1 Alternative Fuel Systems/A-1 AUTO ELECTRIC

Manufacturer Contact Address: 2320 STANISLAUS STREET FRESNO, CA 93721

Manufacturer Contact Name and Position: ROBERT HALL; Quality Control Manager

Manufacturer Contact Phone: 559-485-4427

Manufacturer Contact Email: bob@a1altfuels.com

Vehicle Information: 15 each, 2015 AutoCar equipped to run with Compressed Natural Gas.

Component: One-turn CNG Tank Valve

Brand/Trade: Luxfer Canada

Model: MPVE-250 Luxfer one turn valve

Production Dates:

Begin: 06/15/2015

End: 08/31/2015

Part No.: MPVE-250

Installed by: A-1 Alternative Fuel systems

Descriptive Information:

On January 15, 2019 Luxfer Canada notified A-1 Alternative Fuel Systems that they were anticipating a product recall. The recall involved a CNG fuel tank shut-off valve that they had manufactured between 2/11/15 and 7/26/18. It was discovered that the subject, one turn tank valve, could be over-tightened causing a retaining snap ring failure that would unsecure the valve mechanism whereby ejecting the internal valve at great force. Subsequently to this notification, A-1 Alternative Fuel Systems is issuing a recall on all vehicles equipped with this valve that were installed by A-1 Alternative Fuel Systems located in Fresno California.

Number potentially involved:

A total of 15 recalled components were installed on CNG fuel cylinders. The trucks involved are 2015 AutoCar Refuse Trucks. All 15 are the same design and were equipped with one cylinder per each truck. We have identified these 15 vehicles as being sold to you.

Estimated percentage of involved with defect:

100%

Defect / Noncompliance Description: In a report dated December 1, 2018, Luxfer Canada Ltd. notified NHTSA that a safety defect exists in certain Luxfer CNG One-Turn Valve Part Number MPVE-250. Specifically, if the knob is turned more than one turn, the valve's snap ring may fail and the valve stem may forcibly eject from the valve body.

2320 Stanislaus St Fresno, Ca 93721-1222

Describe the cause: Over tighten valve handle when closing.

Describe the safety risk: If knob is overturned and valve's snap ring fails causing the valve stem to forcibly eject from the valve body. The internal valve body would be ejected with great force that may cause injury to any person in its path.

Identify any warning which can precede or occur: Continuing an attempt to close valve, overtightening beyond necessary to actually close the valve mechanism, thus breaking the retaining snap ring that holds the internal mechanism in place.

Action plan:

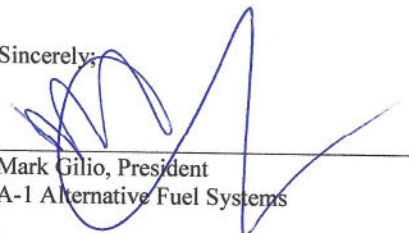
In order to correct and proceed with this repair on your 15 units; there are two options available to your organization.

- 1) We can supply you the replacement parts and the specific Luxfer instruction as to follow. This will allow you make the repair by replacing the internal valve mechanism from the valve body. All of the necessary parts and instructions will be supplied to you and we will provide your organization with \$100.00 labor reimbursement per valve.
- 2) We have also made arrangement to allow you to take the vehicles to 3L Fleet Services in South El Monte for completion of the modification.

Please evaluate this notice and commutate to us very soon with your preferred method to complete this process. To address questions concerning these repairs please contact Sonny Leal, our Warranty Manager at 559/485-4427 ex124. Sonny has been assigned to facilitate and oversee activities regarding this repair. Sonny is prepared with the parts and instruction to proceed immediately.

Attachment: Part 573 Safety Recall Report18E-111, Luxfer Canada Ltd.

Sincerely,



Mark Gilio, President
A-1 Alternative Fuel Systems