

Part 573 Safety Recall Report

19V-233

Manufacturer Name : North American Repower LLC

Submission Date : MAY 06, 2019

NHTSA Recall No. : 19V-233

Manufacturer Recall No. : NR



Manufacturer Information :

Population :

Manufacturer Name : North American Repower LLC

Address : 2625 Temple Heights Dr

Ste A Oceanside CA 92056

Company phone : 4408644

Number of potentially involved : 1

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2005-2005 Navistar 1652 SC 4x2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : CNG/LPG

Descriptive Information : RECALL # 18E111

Luxfer determined One-Turn Valves with part # MPVE-250 produced from Feb. 2015 to July 2018 can be defective if over-torqued. This specific vehicle had (2) CNG tanks installed which included the valve in question.

Production Dates : FEB 11, 2015 - JUL 26, 2018

VIN Range 1 : Begin : 4KAMGAFM76A240896 **End :** 4KAMGAFM76A240896 Not sequential

Description of Defect :

Description of the Defect : Valve model MPVE-250 subjected to over-torquing by using tools or excessive force when opening or closing the valve can damage the snap ring and its gland that is designed to prevent the rotation of the valve's knob more than "one-turn". With a damaged snap ring or gland, it is possible to open the valve far more than intended, to the point where the valve operator (stem) becomes unthreaded from the valve body, depressurizing the CNG fuel system.

FMVSS 1 : 303 - Fuel system integrity - CNG

FMVSS 2 : 304 - Compressed natural gas fuel container integrity

Description of the Safety Risk : The stem can become a projectile due to rapid depressurization, which could lead to bodily harm from the impact. In addition, the unintended release of CNG presents a risk of fire or explosion if exposed to an ignition source.

Description of the Cause : Over-torque of the manual knob on the CNG tank. The valve was designed to be opened or closed by hand with only one rotation. Using a tool or excessive force to open or close may lead to damage of the valve.

Identification of Any Warning that can Occur : The knob may be more difficult to turn than one on an undamaged valve.

Supplier Identification :

Component Manufacturer

Name : Luxfer Canada Ltd.
Address : 4410-46 Avenue SE
Calgary FOREIGN STATES T2B 3N7
Country : Canada

Chronology :

Refer to Attachment A to Amended Section 573 Report
<https://static.nhtsa.gov/odi/rcl/2018/RMISC-18E111-8380.pdf>

Description of Remedy :

Description of Remedy Program : Luxfer Gas Cylinders is offering a complimentary Upgrade Kit for the affected One-Turn valves. The Upgrade Kit increases the valve's tolerance to over-torqueing. The Upgrade Kit is field installable by an appropriately skilled technician. Luxfer will supply an Upgrade Kit for each valve, and, upon proper documentation, credit vehicle manufacturers \$100 for each valve upgraded, up to a limit of \$250 per vehicle for those vehicles with multiple valves.

How Remedy Component Differs from Recalled Component : The Upgrade Kit doubles the valve's over-torque resistance.

Identify How/When Recall Condition was Corrected in Production : The valve in question is not a standard production component of North American Repower and was only used in one vehicle conversion from diesel to CNG.

Recall Schedule :

Description of Recall Schedule : One vehicle affected by this recall. Email to be sent the week of May 6th followed immediately by a notification letter and upgrade kit provided by Luxfer.
Planned Dealer Notification Date : MAY 10, 2019 - JUN 10, 2019
Planned Owner Notification Date : MAY 10, 2019 - JUN 10, 2019

* NR - Not Reported