

Part 573 Safety Recall Report

16V-585

Manufacturer Name : Pierce Manufacturing

Submission Date : AUG 05, 2016

NHTSA Recall No. : 16V-585

Manufacturer Recall No. : 74B277



Manufacturer Information :

Manufacturer Name : Pierce Manufacturing

Address : 2600 American Drive
P.O. BOX 2017 Appleton WI
54912-2017

Company phone : 414-832-3000

Population :

Number of potentially involved : 470

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2015-2016 Pierce Arrow, Dash, Enforcer, Impel, Quantum, Saber, Velocity and vehicles built on chassis built by – International, Ford, Peterbilt, Kenworth

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Pierce fire apparatus equipped with Waterous water pumps, models C20, C21, TC20, and TC21 with split-shaft transmissions.

Production Dates : JUN 29, 2015 - JUN 30, 2016

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : The vehicle may have been produced with a Waterous pump containing a defect that involves clevis pin retaining rings that were deformed during installation by the pump manufacturer.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The retaining ring for the clevis pin may dislodge and lose engagement with the shift fork when subjected to high levels of vibration that may occur during the shifting operation.
If that occurs, it will prevent the shift unit from being able to shift the transmission into position to provide power to drive a fire water pump. If the power output cannot be changed, once the fire truck arrives at the scene, it may not be able to pump water to aid in extinguishing the fire, increasing the risk of injury.

Description of the Cause : The pump supplier has indicated that the installation pliers used to install the retaining rings were out of adjustment for a period of time such that the retaining ring was opened beyond its elastic limit resulting in deformation.

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : Waterous Co.
Address : 125 Hardman Avenue South
South St. Paul MINNESOTA 55075-2456
Country : United States

Chronology :

June 22, 2016 – Waterous indicated to Pierce there may be issue with pumps supplied by Waterous.
July 21, 2016 – Pierce received written notification of defect.
July 21-31, 2016 – Pierce conducted assessment to determine if vehicles were produced and shipped with potentially defective pump units.
August, 2016 – Pierce issues defect notice.

Description of Remedy :

Description of Remedy Program : Impacted customers will be contacted by Pierce.
Customers will be instructed to schedule repairs for their vehicle with a Pierce dealer to have the affected Waterous shift units removed, remedied per the supplier's instructions by replacing the shift unit's clevis pin and retaining rings with a shoulder bolt and locking nut, reinstalled, and tested. This remedy will be performed free of charge.

How Remedy Component Differs from Recalled Component : The recalled pump population is identified by serial number traced to the inclusive dates of pump manufacture.
The retaining rings on the clevis pin of the affected shift units will be visually deformed.

Identify How/When Recall Condition was Corrected in Production : Pierce inspected in-process vehicle builds and completed any required remedy before vehicles were delivered to the customer.

Recall Schedule :

Description of Recall Schedule : Pending approval of notifications by NHTSA.

Planned Dealer Notification Date : AUG 22, 2016 - SEP 12, 2016

Planned Owner Notification Date : AUG 22, 2016 - SEP 12, 2016

* NR - Not Reported