

Part 573 Safety Recall Report

16V-801

Manufacturer Name : E-One Incorporated**Submission Date :** NOV 02, 2016**NHTSA Recall No. :** 16V-801**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : E-One Incorporated

Address : 1601 S.W. 37TH AVENUE

Ocala FL 34474

Company phone : (904) 237-1122

Population :

Number of potentially involved : 196

Estimated percentage with defect : 95 %

Vehicle Information :

Vehicle 1 : 2014-2016 E-ONE TYPHOON

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Trucks with "Aerial" devices using filters shipped to E-One from Jan 1 2014 to October 31, 2016

Production Dates : JAN 01, 2014 - OCT 31, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2014-2016 E-ONE CYCLONE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : All "Aerial" equipped vehicles with faulty filter.

Production Dates : JAN 01, 2014 - OCT 31, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2014-2016 E-ONE QUEST

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Trucks with "Aerial" devices using filters shipped to E-One from Jan 1 2014 to October 31, 2016

Production Dates : JAN 01, 2014 - OCT 31, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : E-One has decided that a defect which relates to motor vehicle safety exists in certain model years of the following emergency vehicles manufactured Jan 1, 2014, to October 11, 2016, equipped with aerial filter part number 320608:
E-One Typhoon
E-One Quest
E-One Cyclone

The filter head was changed by the manufacturer for parts received by E-One beginning Jan 1 2014. The manufacturer's new filter head lowered the design tolerances below those of the original component. The resulting weaker design flexes during cyclic loading, potentially allowing the specialized O-ring fitting to "extrude" over time, resulting in hydraulic fluid leaking from the filter/head connection. The shape of the filter head shape changed visibly with the new version, so trucks with the faulty filter head can be identified by examining photos (see recall letter for photos).

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Hydraulic fluid leaks from this filter could eventually cause the loss of functional use from the aerial device.

Description of the Cause : The filter head was changed by the manufacturer for parts received by E-One beginning Jan 1 2014. The manufacturer's new filter head lowered the design tolerances below those of the original component. The resulting weaker design flexes during cyclic loading, potentially allowing the specialized O-ring fitting to "extrude" over time, resulting in hydraulic fluid leaking from the filter/head connection.

Identification of Any Warning that can Occur : Puddling of hydraulic fluid. Spraying of hydraulic fluid. Fluid pressure level at Aerial panel would show low fluid with a yellow or red indicator light.

Supplier Identification :**Component Manufacturer**

Name : E-ONE

Address : 1601 SW 37th AVE
OCALA FLORIDA 34474

Country : United States

Chronology :

Service issues with leaking oil filters and two warrantable service claims on hydraulic fluid leaks caused an investigation into o-ring extruding issues. After discovering some failure in production, as well, Schroeder (the supplier) was brought in. Under investigation, E-One discovered that Schroeder had changed suppliers to a Chinese supplier in 2014. After warranty research, E-One found that o-ring failures had begun with vehicles produced after the change. After the second warrantable claim and the conclusion of the research, E-One determined potential safety defect existed (Oct 27, 2016), and determined a recall was in order.

Description of Remedy :

Description of Remedy Program : Investigate the filter head to ensure it needs to be replaced (there are a number of visual clues shown on the owner/dealer letter). If it must be replaced, call E-One for a replacement filter/head assembly. Bring in to a dealer and have part replaced. See recall letter for replacement reimbursement rates.

How Remedy Component Differs from Recalled Component : New component is Stauff-brand. The new filter head is designed for 200 PSI (versus 100 PSI for the original Schroeder filter head).

Identify How/When Recall Condition was Corrected in Production : The recall condition was corrected in production beginning in October 2016.

Recall Schedule :

Description of Recall Schedule : October: Changed out in-house units with new Stauff filter head. Dec 31 plan to have sent out letters to customers. Filters can be sent out as customers confirm they need replacements.

Planned Dealer Notification Date : DEC 26, 2016 - DEC 30, 2016

Planned Owner Notification Date : DEC 26, 2016 - DEC 30, 2016

* NR - Not Reported