

# Part 573 Safety Recall Report

# 18V-171

**Manufacturer Name :** E-One Incorporated**Submission Date :** APR 24, 2018**NHTSA Recall No. :** 18V-171**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 : 36

Estimated percentage with defect : 3 %

**Vehicle Information :**

Vehicle 1 : 2008-2015 E-ONE Typhoon, Cyclone 2, Quest 2

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : 4-DOOR

Power Train : DIESEL

**Descriptive Information :** The affected vehicles are equipped with Timoney Independent Front Suspension non-drive axles. IFS Gen 2 (Strider) all serial numbers.

Production Dates : JAN 01, 2008 - DEC 31, 2015

VIN Range 1 : Begin : 4EN6AAA8981003597 End : 4ENLAHA82F2009101 ☒ Not sequential**Description of Defect :**

**Description of the Defect :** Timoney Technologies has informed E-ONE that, on certain front axle spindles, inconsistent machining operations could cause stress risers in the spindle that could cause long-term durability failure.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Over time and under certain harsh duty cycles, a fatigue crack could develop in the spindle, causing failure of the spindle and possible separation of the wheel from the vehicle, which increases the risk of a crash.

**Description of the Cause :** Inconsistent machining operations during the manufacturing of the spindle.

**Identification of Any Warning that can Occur :** No warning identified

**Supplier Identification :**

**Component Manufacturer**

Name : Timoney Technology  
Address : IDA Technology Park  
Navan, Co. Meath Johnstown FOREIGN STATES  
Country : Ireland

**Chronology :**

On 27 February 2017 a spindle failure on a truck fitted with a Timoney Strider Independent Front Suspension was reported to E-ONE. Failed components were obtained and inspected. Inspection results were inconclusive and components were subsequently sent to Timoney in Ireland for analysis in April 2017. Timoney conducted an in-depth investigation into root cause, and worked with their second tier suppliers and decided to conduct a safety related recall on 13 March 2018.

**Description of Remedy :**

Description of Remedy Program :	The Component Manufacturer has committed to shipping 50% of the total number of replacement spindles to E-ONE in April 2018. The Component Manufacturer will ship the remainder of the spindles to E-ONE in May 2018. E-ONE will ship the spindles within two weeks of receipt to the vehicle owners. E-One will reimburse dealers/customers for all costs of parts and labor.
How Remedy Component Differs from Recalled Component :	The latest revision of the spindle (Timoney Part Number C00054) has a larger radius where the spindle shaft transitions to the spindle mounting flange and has a smaller internal bore.
Identify How/When Recall Condition was Corrected in Production :	Not applicable. The Timoney Independent Front Suspension and its components are no longer being used in Production.

**Recall Schedule :**

Description of Recall Schedule :	1) Email dealers a copy of the recall approximately 1 week before customers. 2) Mail customers the recall
Planned Dealer Notification Date :	APR 27, 2018 - MAY 04, 2018
Planned Owner Notification Date :	MAY 04, 2018 - MAY 11, 2018

\* NR - Not Reported