

Part 573 Safety Recall Report

16V-845

Manufacturer Name : E-One Incorporated

Submission Date : NOV 16, 2016

NHTSA Recall No. : 16V-845

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 : 16

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2010-2016 E-ONE CYCLONE

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Vehicles with FIREMAAX suspension and aerial jack legs.

Production Dates : JUL 15, 2010 - JUN 12, 2016

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : During jack leg extension, the FIREMAAX suspension air bags can lose pressure, which can lead to wrinkles forming in the air bags during jack leg retraction. This can lead to damage and eventual failure of the pressurized air bags. Two Failures have been documented during training and jack leg retraction. No failures have been reported during driving conditions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Suspension air bag failure can result in loss of vehicle stability, and affects vehicle ride dampening.

Description of the Cause : Loss of pressure to air bag suspension occurs over time when wheels are lifted off the ground. During "fast" retraction of jack legs, the repressurization process will not occur quickly enough, thus resulting in possible collapse of the air bag in such a way that damage can be done to the bag during reflation.

Identification of Any Warning that can Occur : Observable "wrinkling" of air bags. Possible grinding and/or scratching sound from air bag collapse and reflation

Supplier Identification :

Component Manufacturer

Name : E-ONE
Address : 1601 SW 37th AVE
Ocala FLORIDA 34474
Country : United States

Chronology :

- 1) E-One received an email about blown FIREMAAX air bags during a training event.
- 2) E-One investigated the air bag failure and determined the cause was rapid jack retraction on depressurized bags. E-One then investigated other air-ride suspensions (in particular Air Link), to ensure this was not a problem for all air bag suspensions. After investigating, E-One determined only tandem axle FIREMAAX suspension could lose pressure if wheels were removed from ground for an extended period and decided this constituted a safety related recall 11/10/2016.

Description of Remedy :

Description of Remedy Program : If your vehicle is associated with this recall, simply call E-One and reference the recall, being prepared to show a photo of your FIREMAAX suspension air bags. If your vehicle has jacklegs and FIREMAAX suspension, E-One suggests trucks affected by this recall be taken to the nearest dealership and have a pressure protection valve installed on the exhaust port of the height control valve. E-One will compensate the dealer or owner for the work.

How Remedy Component Differs from Recalled Component : The pressure protection valve on the exhaust port of the height control valve will prevent depressurization of the air bags when the wheels have been lifted off the ground (I.E., the slow pressure drain-off that occurs when the resultant for on the bags is removed will be stopped)

Identify How/When Recall Condition was Corrected in Production : There are no vehicles currently in production with this condition. New vehicles with FIREMAAX suspensions and aerial jack legs will have the pressure protection valve on the exhaust port of the height control valve installed as a standard.

Recall Schedule :

Description of Recall Schedule : 1) Letter approval
2) Email to dealers warning of upcoming recall
3) Recall letter and recall repair instructions will be sent by physical mail within 60 days of recall approval.

Planned Dealer Notification Date : JAN 01, 2017 - JAN 05, 2017

Planned Owner Notification Date : JAN 01, 2017 - JAN 05, 2017

* NR - Not Reported