

# Part 573 Safety Recall Report

# 18V-056

**Manufacturer Name :** E-One Incorporated**Submission Date :** JAN 09, 2018**NHTSA Recall No. :** 18V-056**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 : 10 %

**Vehicle Information :**

Vehicle 1 : 2005-2010 E-ONE TYPHOON

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Emergency vehicles equipped with IOTA brand 50 amp transfer switches, IOTA manufacturer's model number ITS-50R.

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2005-2010 E-ONE CYCLONE 3

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2005-2010 SPARTAN GLADIATOR

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 4 : 2005-2010 E-ONE CYCLONE 2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 5 : 2005-2010 E-ONE X-036

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 6 : 2005-2010 SPARTAN BIG EASY

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 7 : 2005-2010 FORD F-550

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 8 : 2005-2010 FREIGHTLINER M2

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 9 : 2005-2010 INTERNATIONAL 4400

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2005-2010 INTERNATIONAL 7400

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : ALL

Power Train : DIESEL

Descriptive Information : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power

Production Dates : JAN 01, 2005 - DEC 31, 2010

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

Description of the Defect : Affected vehicles are equipped with an IOTA 50 Amp transfer switch, which is used to switch power between on-vehicle generator and shoreline power. Under certain heavy duty cycles, these switches may experience loosening of the lugs on the buss bar. Under high electrical loads, loose electrical connections at the lugs can cause high heat which could damage the enclosure of the switch, and could lead to a fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Under high electrical loads, loose electrical connections at the lugs can cause high heat which could damage the enclosure of the switch, and could lead to a fire.

Description of the Cause : Under certain heavy duty cycles, these switches may experience loosening of the lugs on the buss bar.

Identification of Any Warning that can Occur : Smouldering, smoke, or "burning" smell, or possibly deformation of the transfer switch case.

## Supplier Identification :

### Component Manufacturer

Name : IOTA  
Address : NR  
NR  
Country : NR

## Chronology :

Dec 8, 2017 – E-ONE received a report of a burning smell emanating from a vehicle in the field. The specific vehicle was built in 2008. The Dealer reported that the smell originated from the IOTA transfer switch, located in the body of the truck (not in the CAB area).

Dec 2017 – E-ONE investigated the root cause, during which time it came to light that other manufacturers have conducted safety-related recalls on this specific switch.

Jan 2, 2018 – E-ONE decided that replacing the switch completely was the best course of action. A decision was made to recall the affected population.

## Description of Remedy :

Description of Remedy Program : E-One recommends replacement of the IOTA switch with a new switch made by POWERMAX. Vehicles subject to this recall are to be inspected and repaired by an E-ONE certified dealer or technician. E-ONE will compensate the dealer or owner for inspecting and replacing the IOTA transfer switch (IOTA model number ITS-50R), with a POWERMAX transfer switch (E-ONE part #538550) supplied free of charge if it has not already been replaced during normal maintenance. Replacement of each transfer switch should take approximately 2 hours.

How Remedy Component Differs from Recalled Component : The new switch will be a POWERMAX (E-ONE part number 538550).

Identify How/When Recall Condition was Corrected in Production : The IOTA transfer switch was discontinued by the manufacturer in 2010. At that time E-ONE switched to POWERMAX.

## Recall Schedule :

Description of Recall Schedule : Email dealers copies of the recall letter.  
Direct mail copies of the recall letter to customers.

Planned Dealer Notification Date : MAR 01, 2018 - MAR 05, 2018

Planned Owner Notification Date : MAR 05, 2018 - MAR 09, 2018

\* NR - Not Reported