

**Part 573 Safety Recall Report****15V-529****Manufacturer Name :** E-One Incorporated**Submission Date :** AUG 13,2015**NHTSA Recall No. :** 15V-529**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 : 164

Estimated percentage with defect : 100

**Vehicle Information :**

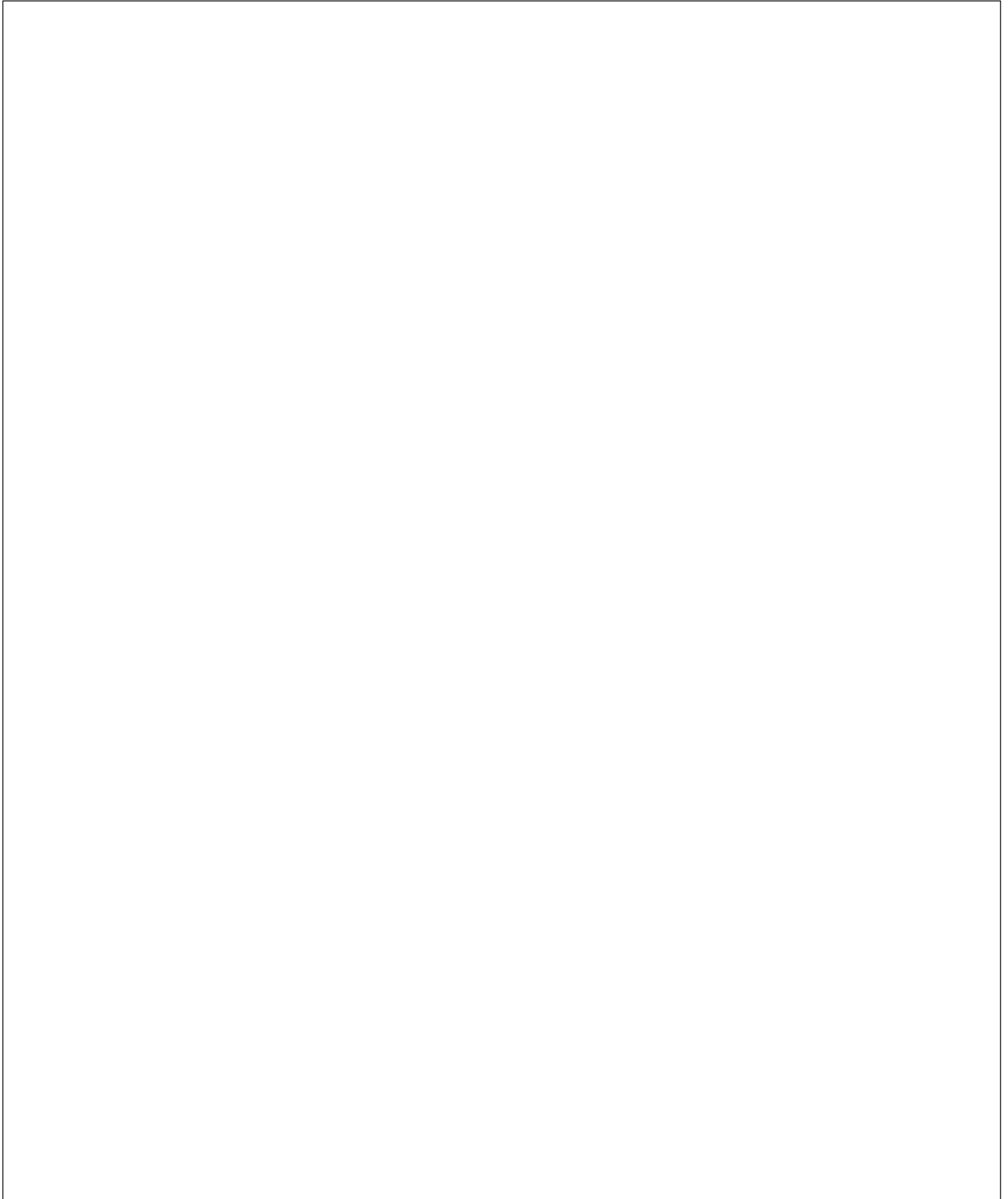
Vehicle : 2013-2016 E-One Built on Navistar Pumpers, tankers, and rescue vehicles

Vehicle Type : BUSES, MEDIUM &amp; HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The notification involves ( 164 ) units that were built on 2013 -2016 Navistar 4400 and 7400 Model Chassis and equipped with a Manual Master Body Power Disconnect Switch. This switch disconnects the body electrical system from the batteries while the vehicle is sitting in the Fire station and not in use. Only units built on Navistar chassis and have the Manual Master Body Power Disconnect Switch are being recalled.



Production Dates : MAY 05, 2012 - MAY 16, 2015

**VIN (Vehicle Identification Number) Range**

Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
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Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs
Begin : 1HTWGAZT6DJ144762	End : 1HTMKAZROGH068008	<input checked="" type="checkbox"/> Not sequential VINs

**Description of Defect :**

Description of the Defect : On vehicles built on Navistar chassis and equipped with a Manual Master Body Power Disconnect Switch, the switch is located next to the driver's seat on the cab floor board visible to the driver when they enter the cab. If the driver fails to turn on the Manual Master Body Power Disconnect Switch when they enter the cab, the potential exists for the driver to start the engine and drive away without the body electrical components having power. In this condition the rear tail lights, turn signals, marker lights, Emergency Siren, and warning lights would be inoperative. While the rear brake lights would still be operational as they are connected directly to the chassis wiring, the potential exists for a rear end collision by another vehicle resulting in serious injury or death.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the driver drives the vehicle without the turning on the Manual Master Body Power Disconnect Switch there would be no electrical power to the body components. Without the rear tail lights, turn signals marker lights, Emergency Siren, and warning lights operational the potential exists for a rear end collision by another vehicle that could result in serious injury or death.

Description of the Cause : The Manual Master Body Power Disconnect Switch not being interlocked with the vehicle start circuit and allowing the driver to inadvertently start the engine and drive away without the body functions having electrical power.

Identification of Any Warning that can Occur : The driver might be alerted to the no power condition when the upper and rear emergency warning lights and the Emergency Warning Siren are not activated when turned on in the cab.

**Supplier Identification :****Component Manufacturer**

Name : NR

Address : NR

NR

Country : NR

**Chronology :**

Around mid-May 2015 a Quality Department road test driver alerted Engineering that it appeared the rear body tail lights were not working when he forgot to turn on the Manual Master Body Power Disconnect Switch during a test drive. After some testing by the electrical engineering group, it was determined that it was possible to start the chassis engine and drive away without power to the rear body functions on the vehicle. These functions included the rear tail lights, rear turn signals, rear marker lights, emergency warning lights and the emergency warning siren. With much additional investigation it was determined there have been no field or customer reports, warranty claims, accidents, injuries or fatalities involving this potential driver failure to correctly operate the vehicle systems. After additional investigation it was felt even though in an emergency situation it would be very obvious to the operator when the Emergency lights and siren were not operational, during a night time normal driving situation, the operator may not be aware that the rear tail lights are not operational. E-One has decided on 8-12-2015 to recall all vehicles that have been shipped with this defect.

**Description of Remedy :**

Description of Remedy Program : E-One has determined the most reliable way to insure the driver cannot drive off if they have failed to turn on the Manual Master Body Power Disconnect Switch is to install a relay that will interlock with the engine start circuit and prevent engine start until the Manual Master Body Power Disconnect Switch is engaged. The relay will be installed under the passenger side front dashboard. See Attached Work Instructions. The relay and wiring harness will be installed at no cost to the customer. The dealer service costs will be reimbursed to the dealer when they file a warranty claim against the Recall Warranty Number.

How Remedy Component Differs from Recalled Component : When the interlock relay is installed, the driver

will not be able to start the chassis engine unless the Manual Master Body Power Switch is turned to the on position.

Identify How/When Recall Condition was Corrected in Production : All inventory built after 5-16-2015 was put on hold and an Interlock relay is being installed on all inventory. All future production will have the relay installed. The production remedy is the same as the field remedy.

**Recall Schedule :**

Description of Recall Schedule : E-One expects to notify dealers on/or by August 30th, 2015. E-One expects to notify customers on/or by September 15th. Work Instructions, a relay and a wiring harness kit is expected to be supplied to E-One dealer service representatives on/or by October 15th for installation in the affected vehicles.

Planned Dealer Notification Date : AUG 25, 2015 - AUG 30, 2015

Planned Owner Notification Date : SEP 10, 2015 - SEP 15, 2015

\* NR - Not Reported