

**PREVOST****February 21, 2014**

Jennifer Timian  
Chief, Recall Management Division  
Office of Defect Investigations  
National Highway Traffic Safety Administration (NSA-10)  
1200 New Jersey Avenue, S.E.  
Washington, D.C, 20950  
Submitted via Email to [rmd.odi@dot.gov](mailto:rmd.odi@dot.gov)

Subject: Recall Campaign **SR14-12**  
Sure Power DC-DC Converter (**13E-050**)

Dear Jennifer,

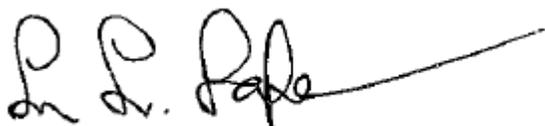
On behalf of Prevost, I want to inform you that we have received notification from Eaton that converters subject to Sure Power Safety Recall 13E-050 were sold to Prevost.

Prevost will release a voluntary safety recall to address the vehicles that may have been manufactured with a suspect converter. The details are provided in the pages that follow.

Owner notification letters will be sent no later than 60 days from the time of this notice.

Please feel free to contact me if you have any questions.

Best regards,



Tim LaFon  
Vice President, Regulatory Affairs  
Volvo Group North America, LLC.  
7900 National Service Rd.  
Greensboro, NC 27409  
Office: (336) 393-2233

## Defect Report

Recall Campaign Number                      Prevast SR14-12  
Subject:    Sure Power DC-DC Converter (**13E-050**)

### **Manufacturer:**

Prevost a division of Volvo Group Canada, Inc. (“Prevost”)

### **Component Manufacturer:**

Sure Power Inc. (“Sure Power”),  
10189 SW Avery St., Tualatin,  
OR 97062

Component Model PN: SURE POWER P/N 52210 100 AMP BATTERY EQUALIZER

### **Models/ Model Years:**

Certain vehicles produced from January 8, 2008 through July 14, 2009 with a Sure Power brand DC to DC converter.

Model Year 2008, 2009, and 2010 X3-45 Coaches, manufactured with certain Sure Power brand DC to DC converters.

The vehicles selected were based on information (i.e. suspect part numbers and delivery information) provided by Sure Power.

### **Recall Population:**

The total number of vehicles affected by the recall that were imported in the United States is one hundred ninety (190). The percentage of the population containing the defect is unknown.

### **Description of the Defect**

According to information published by Sure Power Inc.,

*“The specific potting compound used in the subject products for insulation was found to be capable of conducting electricity once exposed to significant thermal energy. Once electrically conductive, the material is capable of self-heating and maintaining temperatures capable of accelerating a thermal incident.*

*Thermal energy can be sourced by various electrical failures, and Sure Power is still investigating whether there are application-specific contributions to the risk of failure. Electrical failures have been traced to water intrusion or solder joint fatigue resulting from ongoing expansion and contraction due to thermal cycling.”*

Therefore, the defect as determined by Sure Power may result in a vehicle fire. Prevost has not received reports of vehicle fires pertaining to this defect.

**Chronology:**

- 1/22/14        Prevost receives Equipment Inquiry from NHTSA (Reference EQ14-002)
- 2/4/14        Information sent to Volvo Group Regulatory Affairs department for further investigation.
- 2/4/14        Volvo Group Regulatory Affairs department contacts Sure Power/ Eaton regarding inquiry and asks for clarification as Prevost had no record of receiving notification from Sure Power/ Eaton
- 2/13/14       Information received from Sure Power/ Eaton that suspect parts had been sold to Prevost
- 2/14/14       Volvo Group Regulatory Affairs notifies NHTSA that Prevost is affected by the Sure Power recall and that Prevost had just received notification from Sure Power/ Eaton on 2/13/14
- 2/21/14       Safety –related defect report submitted to NHTSA.

*To date, there are no field reports, warranty claims, or customer complaints associated with this defect. There have been no reports of vehicles fires.*

**Description of the Remedy**

The recall repair will involve inspection of the converter and replacement as required.

Reimbursement for cost incurred by the owner for “prenotification remedies” will be addressed on a case-by-case basis according to the Volvo Group North America’s “General Plan for Reimbursement of Pre-notification Remedies” which was published October 28, 2013.

**Recall Communications**

Owner notification will occur within 60 days of this notice. An advanced copy of the owner notification letter will be submitted for review and approval prior to release.