



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: PE 13-001
Date Opened: 01/15/2013
Investigator: Kyle Bowker
Approver: Frank Borris
Subject: SmartPlex Multiplexer Module Failure
Reviewer: Bruce York-B

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: Daimler Trucks North America
Products: 2013 Freightliner Business Class M2
Population: 1,000 (Estimated)
Problem Description: Alleged electronic multiplexing switch hub module failure may result in inadvertent activation of accessory equipment such as external lighting, outriggers, crane, or power takeoff.

FAILURE REPORT SUMMARY

	ODI	Manufacturer	Total
Complaints:	0	TBD	TBD
Crashes/Fires:	0	TBD	TBD
Injury Incidents:	0	TBD	TBD
Number of Injuries:	0	TBD	TBD
Fatality Incidents:	0	TBD	TBD
Number of Fatalities:	0	TBD	TBD
Other*:	0	Confidential	Confidential

***Description of Other:** Early Warning Reporting (EWR) Field Report Data

ACTION / SUMMARY INFORMATION

Action: A Preliminary Evaluation has been opened.

Summary:

The Office of Defects Investigation (ODI) has received Early Warning Reporting (EWR) data from the manufacturer that indicates some number of subject vehicles may allegedly experience an electronic multiplexing switch hub module failure. This failure may result in inadvertent activation of accessory equipment such as external lighting, outriggers, crane, or power takeoff. The subject vehicles are equipped with a SmartPlex™ electrical system that facilitates the installation and control of accessory equipment and body electrical integration. According to the EWR field report data, under certain heat and humidity conditions, a SmartPlex™ module may short internally and outputs may activate independent of any operator request. A Preliminary Evaluation has been opened to assess the alleged defect in the subject vehicles.