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By Recall Management division at 3:50 pm, Dec 17, 2013

Daimler Trucks North America  
Nasser Zamani  
Senior Manager  
Compliance and Regulatory Affairs

December 16, 2013

Nancy Lewis  
Associate Administrator for Enforcement  
National Highway Traffic Safety Administration  
Attention: Recall Management Division (NVS-215)  
1200 New Jersey Avenue S.E.  
Washington D.C. 20590

## Re: Defect Information Report FL-656, ECAS Wiring

Ms. Lewis,

In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Daimler Trucks North America LLC herewith reports a safety campaign to recall approximately 379 Freightliner Cascadia vehicles manufactured December 11, 2012 through November 27, 2013, equipped with Meritor Wabco Electronically Controlled Air Suspension (ECAS) system that may be incorrectly wired.

Attached is Daimler Trucks North America's Defect Information Report.

Please contact me if you have any questions.

Sincerely yours,



Nasser Zamani

Cc: Amy Martin, Chief Counsel, CAL-OSHA

Enclosure

Certified Mail#

7006 3450 0003 7727 0421

A Daimler Company

Daimler Trucks North America LLC  
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Portland OR 97217-7699  
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503-745-5544 Fax  
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## Defect Information Report (Section 573.6)

December 16, 2013

**(c)(1) Manufacturer:** Daimler Trucks North America LLC  
P.O. BOX 3849  
Portland, Oregon 97208  
(503) 745-5219

**Brands:** Freightliner

**(c)(2) Vehicles identification:**  
**Model(s) affected:** Cascadia  
**Model Years affected:** 2013, 2014  
**Manufacture Dates:** December 11, 2012 through November 27, 2013  
**Basis for determining population:** Vehicles with 6 X 2 configurations and equipped with Meritor Wabco Electronically Controlled Air Suspension (ECAS) system and assembled at the Saltillo manufacturing plant.  
**Component manufacturer if other than the vehicle manufacturer:** Not Applicable

**(c)(3) Total number of vehicles potentially affected:** Approximately 379 United States,

**(c)(4) Percentage of vehicles estimated to contain the defect:** Unknown

**(c)(5) Description of the defect:** The electronically Controlled Air Suspension (ECAS) wiring harnesses to the solenoid valves on the drive (forward) and tag (rear) axles may have been reversed on certain 6x2 configured vehicles. When this condition is present the system may adjust the suspension axle heights incorrectly, loading the tag axle while unloading the drive axle which may result in reduced driving traction or park brake effectiveness.

**49CFR Section 577.5(f) Evaluation of the risk to motor vehicle safety:** Reduced park brake effectiveness on an incline could result in a crash.

**(c)(6) Chronology of principal events:**  
December 2012 – ECAS start of production.  
April/May 2013 - DTNA receive 2 reports of ECAS malfunction by dealer prior to customer delivery. It was determined that vehicles with this condition would be identified at dealership.  
August 2013 – Customer vehicle identified with incorrect wiring in the field.  
September/October 2013 – DTNA and ECAS supplier transferred vehicles to proving grounds to perform vehicle field testing to establish potential effects of incorrect wiring. DTNA and Supplier test could not recreate traction issues. Subsequent drive by supplier from test facility triggered a suspension height anomaly which lead to further investigation. Simulated park brake tests with unloaded drive axle on inclined surface were performed.  
November 2013 – Potential root cause of reversed wiring in the factory identified.  
December 2013 - DTNA voluntary decided to conduct a safety campaign to recall affected vehicles.

**(c)(7) Noncompliance-test or other data:** Not Applicable

**(c)(8) (i) Remedial program:** Suspect vehicles will be inspected for incorrect wiring. Incorrectly wired vehicles will be repaired. Repairs will be performed by Daimler Trucks North America authorized service facilities.

**Reimbursement Plan:** Copies will be submitted as a supplemental report when available.

**(ii) Estimated Owner and Dealer Notification Date:** Customer notification will be by first class mail using Daimler Trucks North America records to determine the customers affected. This will

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be completed no later than February 16, 2014.

Dealer and distributor notification will be completed no later than February 16, 2014.

**(c)(9) Information for tire recalls:** Not Applicable

**(c)(10) Communications sent to manufacturers, dealers and owners:** Copies will be submitted as a supplemental report when available.

**(c)(11) Manufacturer's campaign number:** FL-656