

## Defect Information Report

(Section 573.6)

### **FL-850**

**Date of Submission:** *May 5, 2020*

**Manufacturer:** Daimler Trucks North America LLC  
P.O. BOX 3849  
Portland, Oregon 97208

**Type of Report:**       **Safety Defect**                       **Non-Compliance**

### **Vehicle Information**

**Model Yr. Start:**                      *2019*                                      **Model Yr. End:**    *2019*  
**Make:** *Freightliner*                                      **Model:** *Business Class M2*  
**Production Dates:**    **Begin:** *08/27/18*                      **End:** *10/30/18*

**Descriptive Information:** *Freightliner Business Class M2 vehicles equipped with a PowerDrive EV electric drivetrain with wire harnesses that facilitate communication among various control modules that Cummins Inc. has identified per equipment recall 20E-003.*

**Number potentially involved:** *5*                      **Estimated percentage of involve with defect:** *100%*

### **Defect / Noncompliance Description**

#### **For this Defect/Noncompliance:**

**Describe the defect or noncompliance:** *Cummins states per NHTSA 20E-003, "A connector within the wire harness installed in the subject EV drivetrains may be susceptible to becoming unplugged. If the connector becomes unplugged, under certain circumstances, the communication between the control modules may be lost and the system may command off the high voltage contactors, resulting in unexpected loss of all systems powered by high voltage, including the traction drive system and power steering."*

**Describe the safety risk:** *Cummins states per NHTSA 20E-003, "A sudden and simultaneous loss of motive power and loss of power steering may increase the risk of a crash"*

**If applicable, identify the manufacture of the defective or noncompliant component.**

*Cummins Inc.  
Box 3005, Mail Code 41303  
Columbus IN 47202-3005*

### **Involved Components**

**Component Name:** *Powertrain*  
**Component Description:** *PowerDrive EV Powertrain*  
**Component Part Number:** *4000EV/6000EV/7000EV*

## Chronology of Defect / Noncompliance Determination

### Provide the chronology of events leading up to the defect decision or test data for the noncompliance decision.:

*On April 22, 2020, DTNA product Compliance and Regulatory Affairs received notification from Cummins of a quarterly recall completion report for equipment recall 20E-003. DTNA reviewed Cummins' Part 573 filing which indicated there was more than a single OEM affected. Although the completion report indicated that all of the affected DTNA vehicles had been remedied, DTNA Compliance and Regulatory Affairs recommended that a companion vehicle Part 573 should also be filed in addition to Cummins' equipment Part 573. On April 29, DTNA made a determination to file a defect information report on the five affected vehicles to supplement Cummins' equipment recall 20E-003.*

## Identify the Remedy

### Describe the defect/noncompliance remedy program, including the manufacture's plan for reimbursement.:

*Cummins Inc. has reported completion of the affected DTNA field vehicles. Per NHTSA 20E-003, the remedy was to "install a cable tie around the connector body, routed under the connector locking tab, forcing it into locked position so that it cannot unplug."*

## Identify the Recall Schedule

*Describe the recall schedule for notifications.:* Per Cummins' Quarterly Report, the affected vehicles in the field were reported repaired, therefore, DTNA will not be providing customer notifications related to this recall.

<b>Planned Dealer Notification Begin Date:</b>	N/A
<b>Planned Dealer Notification End Date:</b>	N/A
<b>Planned Owner Notification Begin Date:</b>	N/A
<b>Planned Owner Notification End Date:</b>	N/A

**Manufacture's identification code for this recall (if applicable):** FL-850

**DTNA Representative;**



Andy Jones  
Manager  
Compliance and Regulatory Affairs