Part 573 Safety Recall Report 22V-553

Manufacturer Name : Daimler Trucks North America, LLC
Submission Date : JUL 29, 2022
NHTSA Recall No. : 22V-553
Manufacturer Recall No. : FL-949

Manufacturer Information :

Manufacturer Name : Daimler Trucks North America, LLC
Address : 4747 N. Channel Avenue
Portland OR 97217-3849
Company phone : 800-745-8000

Population :

Number of potentially involved : 71
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Thomas Built Buses (TBB) SAF-T-LINER HDX
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : DTNA's supplier Cummins states, "Printed Circuit Boards (PCB) for certain engines were manufactured with a defective solder fixture. The recall population was determined by identifying the oldest production lot associated with an Engine Control Module (ECM) failure, and including all production from that lot to the date in June 2022 when the improvements in the assembly process were instituted."
Production Dates : JUN 04, 2022 - JUN 13, 2022
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2023-2023 Thomas Built Buses (TBB) SAF-T-LINER C2
Vehicle Type :
Body Style :
Power Train : NR
Descriptive Information : DTNA's supplier Cummins states, "Printed Circuit Boards (PCB) for certain engines were manufactured with a defective solder fixture. The recall population was determined by identifying the oldest production lot associated with an Engine Control Module (ECM) failure, and including all production from that lot to the date in June 2022 when the improvements in the assembly process were instituted."
Production Dates : MAY 20, 2022 - JUN 08, 2022
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect :	DTNA's supplier Cummins states, “The soldering fixture had a loose screw, which in certain cases may contacting the Lytic cap and applying excess force into the PCB. Over time with scrubbing or movement of PCB, the capacitor may wear through the dielectric layer into the V-Batt layer resulting in high current draw, which may cause loss of communication to the ECM."
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	DTNA's supplier Cummins states, “Loss of communication to the ECM while driving may cause unexpected engine stall without prior warnings, and the inability of restart, which may increase the risk of a crash.”
Description of the Cause :	NR
Identification of Any Warning that can Occur :	Unknown

Involved Components :

Component Name 1 :	Printed Circuit Boards (PCB)
Component Description :	Engine PCB
Component Part Number :	Multiple

Supplier Identification :

Component Manufacturer

Name :	Cummins Inc.
Address :	500 Jackson St Columbus Indiana 47201
Country :	United States

Chronology :

On July 11, 2022, Cummins notified DTNA Compliance of 10 documented occurrences of ECM communication failure on DTNA vehicles powered by specific Cummins engines. DTNA immediately began an investigation to learn about failure modes and the detectability of such failure modes. In parallel with DTNA’s investigation, as DTNA understands, Cummins had already been investigating the issue. On July 22, 2022, Cummins informed

DTNA of an impending equipment recall. DTNA on July 25, 2022, immediately issued a recall out of an abundance of caution.

Description of Remedy :

Description of Remedy Program :	As DTNA understands, Cummins is in the process of developing a remedy program. The 573 will be amended once an inspection and remedy plan has been developed. A recall-specific reimbursement plan will be provided on the Recall Portal for those units not covered by the manufacturer's limited warranty.
How Remedy Component Differs from Recalled Component :	NR
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	Customer notification will be made by first class mail using Daimler Trucks North America records to determine the customers affected.
Planned Dealer Notification Date :	SEP 26, 2022 - SEP 26, 2022
Planned Owner Notification Date :	SEP 26, 2022 - SEP 26, 2022

* NR - Not Reported