

eCascadia & eM2 DVDM Connector Plate:

eCascadia & eM2 EVDM Connector Plate

Recall Campaign F1017 A

Publish Date: 5/16/2025

Problem Details:

- Connector plate on EVDM may not be properly adhered to housing.
- Disconnected connector may cause different failure effects in the components served by EVDM. Communication disruption in some EVDM components may cause the vehicle to shut down.

FSPRs, FRACAS, DPR, Zeus:

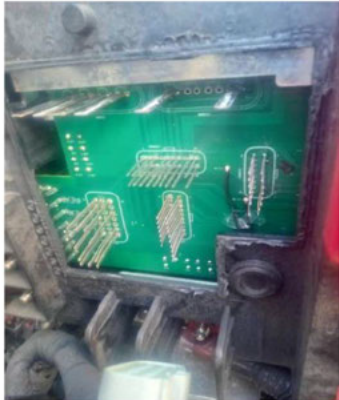
- FSPR #38941

Affected Models / Truck options:

- Affected vehicles: eP4 & eM2 built SOP through roughly the end of 2024
- Population of affected vehicles: 909

Responsible Supplier:

- PKC



Production Containment:

- Adhesive installation improved at supplier
- 8D provided, 3/18/2024 clean point.

No Yes

Field Containment (short term):

- Fix as fail

No Yes

Root Cause:

- Poor adhesive installation

No Yes

Long Term Corrective Action Plan:

- Supplier added mechanical retention feature to the connector plate, in addition to the adhesive, September 2024 (undocumented; no part number change)

No Yes

Long Term Field Plan:

- Recall Campaign F1017
 - Inspect for connector plate separation; replace EVDM if found.
 - If no visible separation, install retainer brackets to reinforce

No Yes

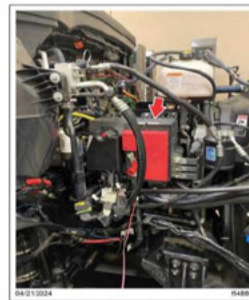


Fig. 1, EVDM on the Vehicle



Fig. 7, Brackets Installed

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**Daimler Truck
North America LLC**

Recall Campaign

F1017 A

Creation Date:	05/16/2025
Revised Date:	06/06/2025
NHTSA #	25V-046
Transport Canada #	2025-040

Subject: Electric Vehicle Power Distribution Module

Models Affected					
Make	Model	Model Yr. Start	Model Yr. End	Prod. Start Date	Prod. End Date
Freightliner	eCascadia, eM2	2020	2026	August 11, 2020	January 16, 2025
Identifying Feature	Electric Vehicle Power Distribution Module				

General Information

REVISION: On page 9, an important note has been added to record the EVDM's serial number in the recall claim story. On page 10, Figure 3 ("EVDM Connector Plate Inspection Locations") has been included to clarify the inspection areas.

On behalf of the entity listed below, Daimler Truck North America LLC (DTNA) has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

- Freightliner Trucks Division

PROBLEM:	In affected vehicles, the Electric Vehicle Power Distribution Module (EVDM) connector plate assembly may detach from the housing, causing pin disconnection in one or more circuits. The impact depends on the affected circuits, but in the worst case, it could lead to a sudden loss of motive power without warning, increasing the risk of a crash.
SOLUTION:	DTNA will inspect the Electric Vehicle Power Distribution Module (EVDM) on affected vehicles. If the EVDM plate is separating from the housing, the module will be replaced. If not, it will be properly fastened.

There are approximately 909 vehicles involved.