

F1017 A

Creation Date:	05/16/2025
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

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.

Additional Repairs

Dealers must complete all outstanding Recall and Field Service campaigns prior to the sale or delivery of a vehicle. A dealer will be liable for any progressive damage that results from its failure to complete campaigns before sale or delivery of a vehicle.

Owners may be liable for any progressive damage that results from failure to complete campaigns within a reasonable time after receiving notification.

Please contact Warranty Campaigns for consideration of additional charges prior to performing the repair.

Work Instructions

Please refer to the attached work instructions. Prior to performing the campaign, check the vehicle for a completion sticker (Form WAR260).

Replacement Parts

Replacement parts are now available and can be obtained by ordering the part number(s) listed below from your facing Parts Distribution Center.

If our records show your dealership has ordered any vehicle(s) involved in campaign number F1017, a list of the customers and vehicle identification numbers will be available on DTNA Portal. Please refer to this list when ordering parts for this recall.

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IMPORTANT - After Repair is Complete*:

Attach a red completion sticker (WAR260) to the base label (WAR259).

If the vehicle does not have a base label, clean a spot on the appropriate location, and attach a base label, prior to attaching the completion sticker.

If a campaign kit is not required, write the campaign number on a blank sticker and attach it to the base label.

(Failure to install a completion sticker may result in a chargeback of the campaign claim.)

* TBB is exempt from the completion sticker process

Table 1 – Replacement Parts for F1017 - A

Group	Required	Part Description	Part Number	Qty
A	Determined After Inspection	EVDM CONNECTOR PLATE UPPER	A66-43394-000	1 ea
A	Determined After Inspection	EVDM CONNECTOR PLATE RETENTION	A66-43395-000	1 ea
All Groups		Blank Completion Sticker	WAR260	1 ea

Removed Parts

- For U.S. and Canadian Dealers, use the part disposition in OWL to determine how to manage removed parts (return, scrap, etc.). Dispositions are available at the date of the repair.
- For Export Dealers, destroy removed parts unless otherwise advised.

Claim Reimbursement - Labor Allowance

IMPORTANT: OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

You will be reimbursed for your parts, labor, and handling (landed cost for Export Distributors) by submitting your claim through the Warranty system within 30 days of completing this campaign.

- In OWL, use the 'Retrieve' function and select the appropriate procedure. This will auto-populate the PFP, component code, replacement parts, cause, corrective action and SRT code.

Table 2 – Claim Reimbursement Table

Claim Type	Recall Campaign
Campaign	F1017- (A)
VMRS Component Code	F99-999-005
Cause Code	A1 – Campaign
Primary Failed Part	25-F1017-000

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Table 3 – Labor Allowance for F1017 - A

Groups	Procedure	Time Allowed (hours)	SRT Codes	Corrective Action
A	CONNECTOR PLATE, EVDM, INSECTION	0.1	996-R249A	06-Inspect
A	SUPPORT BRACKET, CONNECTOR PLATE, EVDM, INSTALL	0.8	996-R249B	12-Repair Recall/Campaign
A	CONNECTOR PLATE, EVDM, REPLACEMENT	0.8	996-R249C	12-Repair Recall/Campaign

- Claim type is **Recall Campaign**.
- In the Campaign field, enter the campaign number and appropriate group (F1017-A).
- In the Primary Failed Part field, enter 25-F1017-000.
- In the Parts section, enter the appropriate part number(s) as shown in the Replacement Parts Table.
- In the Labor section, enter the appropriate SRT from the Labor Allowance Table. Administrative will auto-populate if applicable using SRT 939-6010A, for 0.3 hours.
- The VMRS Component Code is F99-999-005 and the Cause Code is A1 - Campaign.
- U.S. and Canada – Reimbursement for Prior Repairs. When a customer asks about reimbursement, please do the following:
 - Accept the documentation of the previous repair.
 - Make a brief check of the customer’s paperwork to see if the repair may be eligible for reimbursement. (See the ‘Copy of Owner Letter’ section of this bulletin for reimbursement guidelines.)
 - Submit an OWL Recall Pre-Approval Request for a decision.
 - Include the approved amount on your OWL claim in the Other Charges section.
 - Attach the documentation to the pre-approval request.
 - If approved, submit a ‘based on claim’ for the pre-approval.
 - The Dealer is required to reimburse the customer the appropriate amount.

IMPORTANT: OWL must be viewed prior to performing the recall to ensure the vehicle is involved and the campaign has not been previously completed. Also, check for a completion sticker prior to beginning work.

U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNAPortal.com/WSC, if you have any questions or need additional information. Export distributors, submit a Web inquiry or contact your International Service Manager.

U.S. and Canadian Dealers: To return excess kit inventory related to this campaign, U.S. dealers must submit a Parts Authorization Return (PAR) to the Memphis PDC. Canadian dealers must submit a PAR to their facing PDC. All kits must be in resalable condition. PAR requests must include the original purchase invoice number. Export Distributors: Excess inventory is not returnable.

The letter notifying U.S. and Canadian vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended (Title 49, United States Code, Chapter 301), requires the owner’s vehicle(s) be corrected within a reasonable time after parts are available to you. The Act states that failure to repair a vehicle within 60 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 60-day period. Failure to repair a vehicle within a

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reasonable time can result in either the obligation to (a) replace the vehicle with an identical or reasonably equivalent vehicle, without charge, or (b) refund the purchase price in full, less a reasonable allowance for depreciation. The Act further prohibits dealers from selling a vehicle unless all outstanding recalls are performed. Any lessor is required to send a copy of the recall notification to the lessee within 10 days. Any subsequent stage manufacturer is required to forward this notice to its distributors and retail outlets within five working days.

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Copy of Notice to Owners

Subject: Electric Vehicle Power Distribution Module

For Notice to U.S. Customers: This notice is sent to you in accordance with the requirements of the *National Traffic and Motor Vehicle Safety Act*. **For Notice to Canadian Customers:** This notice is sent to you in accordance with the requirements of the Motor Vehicle Safety Act.

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division has decided that a defect, which relates to motor vehicle safety, exists in certain model years 2020-2026 Freightliner eCascadia and eM2 vehicles manufactured August 11, 2020, through January 16, 2025.

See below for additional details on vehicle applicability:

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

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.

A Daimler Truck North America authorized service facility 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. The Recall will take approximately one hour and will be **performed free of charge**.

Please contact an authorized Daimler Truck North America dealer to arrange to have the Recall performed and to ensure that parts are available at the dealership. To locate an authorized dealer, search online at <https://northamerica.daimlertruck.com/contact-us>. Scroll down to "Locate a Dealer" and select the appropriate brand.

You may also confirm your vehicle's involvement in this recall at the following URL: <https://dtna-dlrinfo.prd.freightliner.com:48518/VinLookup/vin-module/getVinLookupPage>.

You may be liable for any progressive damage that results from your failure to complete the Recall within a reasonable time after receiving notification.

If you do not own the vehicle that corresponds to the identification number(s), which appears on the notification, please return the notification to the Warranty Campaigns Department with any information you can furnish that will assist us in locating the present owner. If you have leased this vehicle, Federal law requires that you forward this notice to the lessee within 10 days. If you are a subsequent stage manufacturer, Federal law requires that you forward this notice to your distributors and retail outlets within five working days. **For Notice to US Customers:** If you have paid to have this recall service condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

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If you have questions about this Recall Campaign, please contact the Warranty Campaigns Department at (800) 547-0712, 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, e-mail address DTNA-War-Campaigns@Daimlertruck.com. For other concerns, you may contact the Customer Assistance Center at (800) 385-4357. **For Notice to US Customers:** If your manufacturer, distributor, or dealer fails to remedy the defect or noncompliance without charge and within a reasonable time, you may wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue SE, Washington, DC 20590; or call the Vehicle Safety Hotline at (888) 327-4236 (TTY: 800-424-9153); or go to <http://www.nhtsa.gov>. **For Notice to Canadian Customers:** If you have a safety concern relating to this Recall, you may wish to contact Transport Canada – Motor Vehicle Safety at, 80 rue Noel, Gatineau, Quebec J8Z 0A1 or phone (800) 333-0510.

We regret any inconvenience this action may cause but feel certain you understand our interest in motor vehicle safety.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this condition corrected, you may be eligible to receive reimbursement.

Requests for reimbursement may include parts and labor. Reimbursement may be limited to the amount the repair would have cost if completed by an authorized Daimler Truck North America LLC dealer. The following documentation must be presented to your dealer for consideration for reimbursement.

Please provide original or clear copies of all receipts, invoices, and repair orders that show:

- The name and address of the person who paid for the repair
- The Vehicle Identification Number (VIN) of the vehicle that was repaired
- What problem occurred, what repair was done, when the repair was done
- Who repaired the vehicle
- The total cost of the repair expense that is being claimed
- Proof of payment for the repair (such as the front and back of a cancelled check or a credit card receipt)

Reimbursement will be made by check from your Daimler Truck North America LLC dealer.

Please speak with your Daimler Truck North America LLC authorized dealer concerning this matter.

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Work Instructions

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Freightliner	eCascadia, eM2	2020	2026	August 11, 2020	January 16, 2025
Identifying Feature	Electric Vehicle Power Distribution Module				

Inspection and Repair of the Electric Vehicle Distribution Module (EVDM) Connector Plate

1. Check the base label (Form WAR259) for a completion sticker for F1017 (Form WAR260), indicating this work has been done. The base label is usually located on the passenger-side door, about 12 inches (30 cm) below the door latch. If a completion sticker is present, no work is needed. If a completion sticker is not present, proceed to the next step.
2. Park the vehicle on a level surface, place the vehicle in neutral, shut down the vehicle, and set the parking brake. Chock the tires.
3. Open the hood.

NOTE: The EVDM clean date is mentioned in the YYYYMMDD format, and the last two digits of the serial number are the number of modules built on that particular date.

4. Locate the sticker on top of the EVDM and check the serial number. Inspect if the clean date on the EVDM is on or after 10/07/2024 (20241007XX). See [Fig. 1](#) and [Fig. 2](#).

Is the clean date on the EVDM serial number on or after 10/07/2024 (20241007XX)?

YES → Go to step 17. (Page 13)

NO → Continue with step 5. (Page 9)

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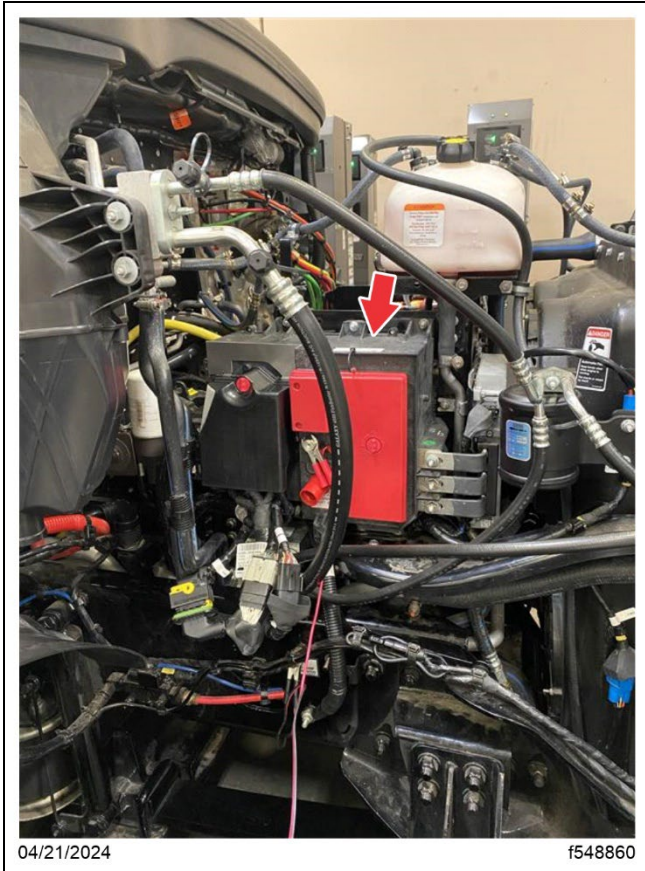


Fig. 1, EVDM on the Vehicle

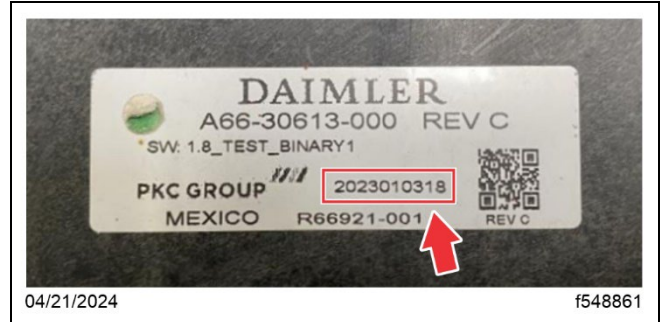


Fig. 2, Serial Number on the EVDM Sticker

5. Use DiagnosticLink® to check for fault codes related to the EVDM. To clear the codes, follow the standard process.
6. Shut off the low-voltage battery smart switch on the left-hand side B-pillar.
7. Inspect the EVDM for separation between the connector plate and the EVDM. See Fig. 3.
Is a separation found between the connector plate and the EVDM?
YES → Capture a photo and send to DTNA and PKC at DTNA-WAR-Campaigns@daimlertruck.com and flavio.serina@motherson.com respectively for approval.
Replace the EVDM. For instructions, see **Group 54** of the applicable workshop manual.
Go to step 17. (Page 13)
NO → Continue with step 8. (Page 10)

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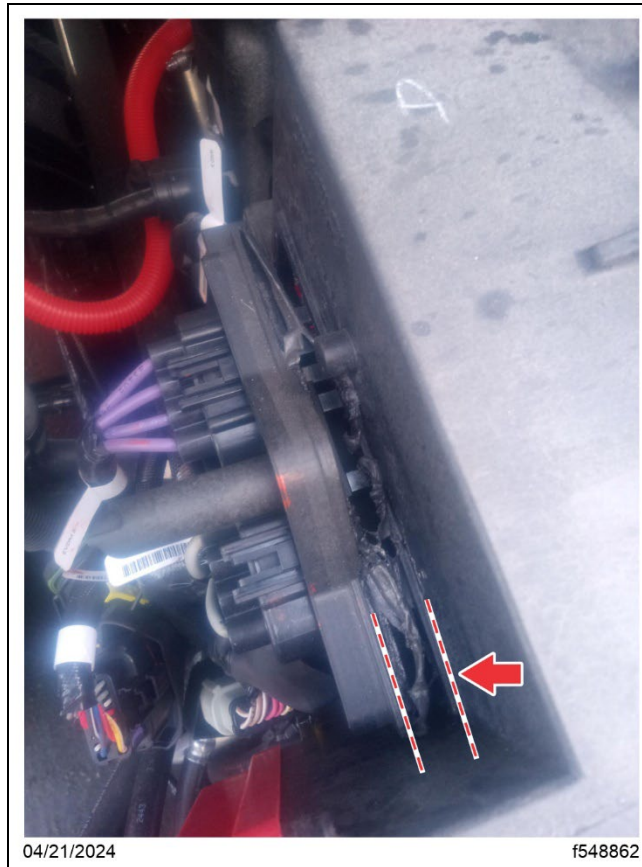


Fig. 3, Connector Plate Pulling Away from the EVDM

8. Remove the EVDM cover and disconnect the low-voltage harnesses from the EVDM.

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9. Cut away the excess sealant around the connector plate in the areas where the brackets attach. See [Fig. 4](#) and [Fig. 5](#).

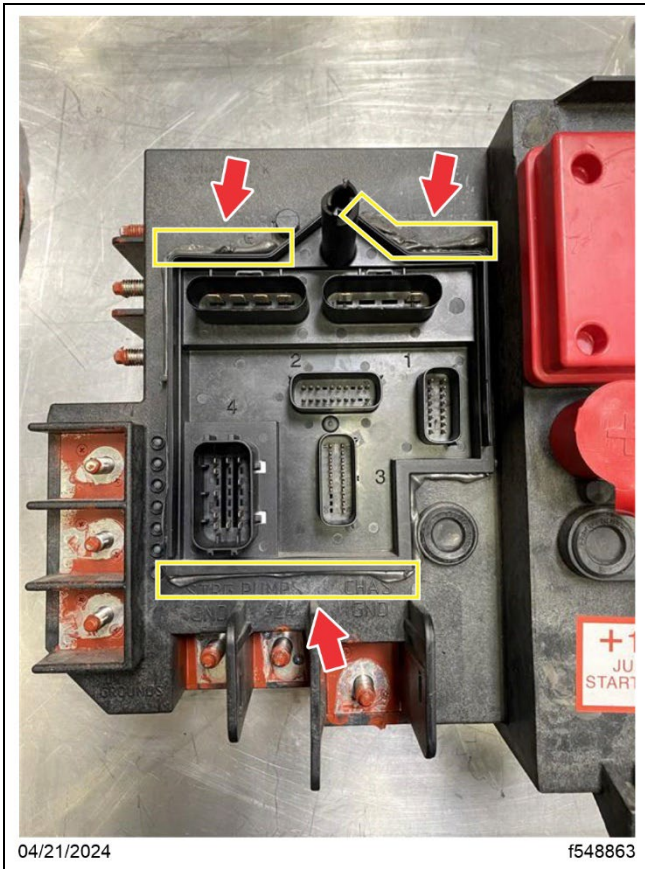


Fig. 4, Excess Sealant to be Removed Around the Connector Plate

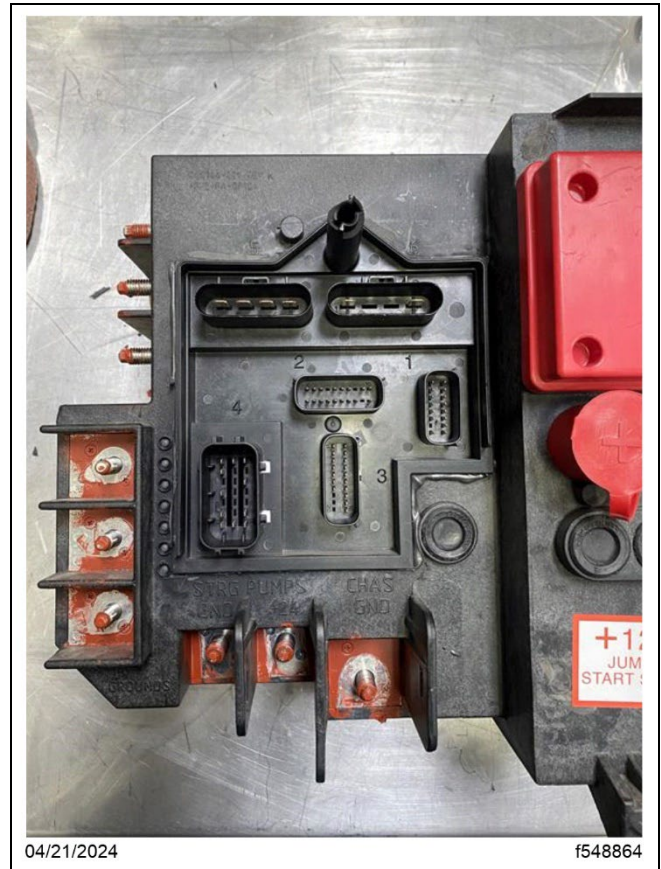


Fig. 5, Sealant Removed

10. Use rubbing alcohol to clean the areas around the connector plate where the brackets attach. See [Fig. 6](#).
11. Remove the backing tape from the brackets and apply them to the EVDM.
- 11.1. Avoid touching the exposed tape during installation.
- 11.2. Align the bracket and apply firm pressure on the entire bracket for a minimum of 30 seconds. See [Fig. 6](#).

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12. Use pliers to bend the bracket tabs over and apply firm pressure for at least 30 seconds. See [Fig. 7](#).

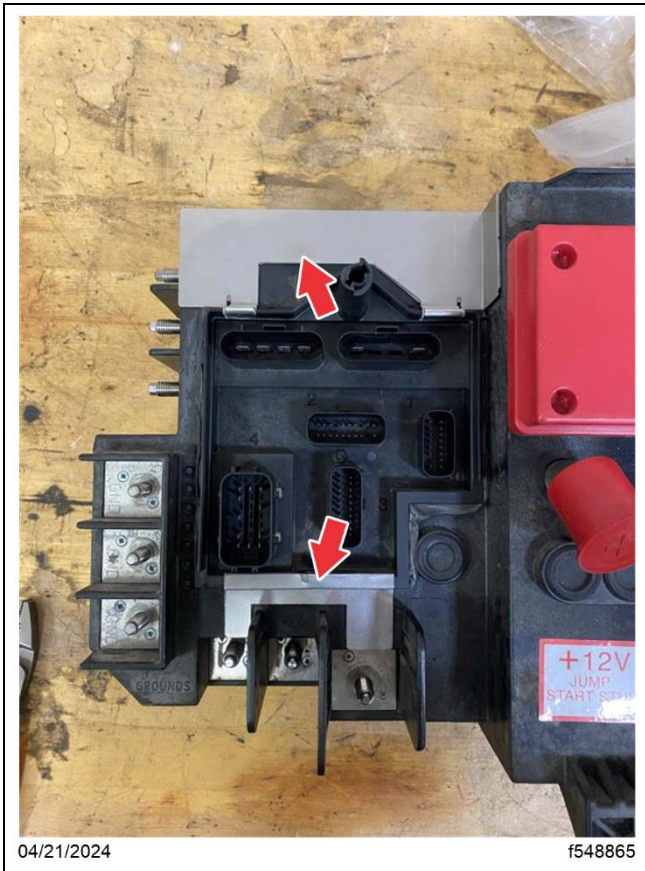


Fig. 6, Brackets Installed



Fig. 7, Bending Over the Bracket Tab with Pliers

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13. Remove the gasket from the dress cover and remove the material to allow the cover to fit over the upper bracket. See [Fig. 8](#) and [Fig. 9](#).

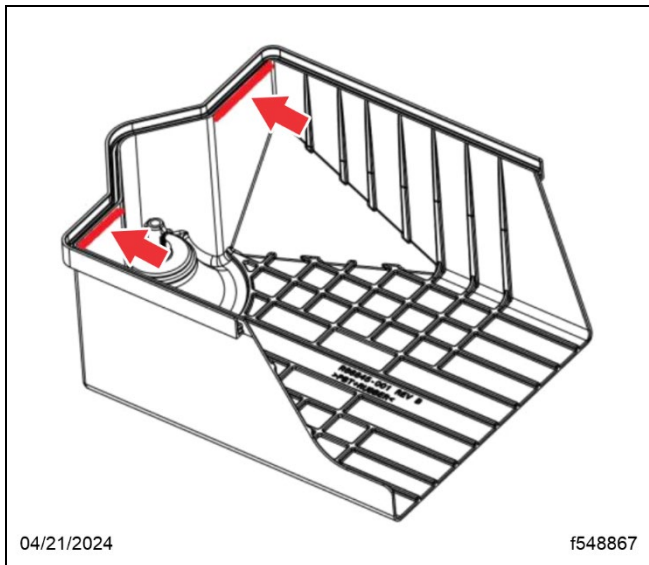


Fig. 8, Material to be Removed from the Dress Cover



Fig. 9, Material Removed

14. Connect the low-voltage harnesses and install the dress cover on the EVDM.
15. Start the vehicle and check for fault codes related to the EVDM.
16. Close the hood.
17. Clean a spot on the base label (Form WAR259) and attach a campaign completion sticker for F1017 (Form WAR260), indicating this work has been completed.