

August 2024
SF694 A

Subject: eCascadia EVDM Ground Cable Terminal

Models Affected: Specific model years 2023-2024 Freightliner eCascadia vehicles, manufactured October 5, 2022, through December 5, 2023.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF694 to modify the vehicles mentioned above.

One of the redundant Electric Vehicle Distribution Module (EVDM) ground cable terminals may fail at the frame attachment due to fatigue.

A longer ground cable with strain relief will be installed.

There are approximately 419 vehicles involved in this campaign.

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 WAR261).

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 (PDC).

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF694, a list of the customers and vehicle identification numbers will be available on the DTNA Portal via OWL. Please refer to this list when ordering parts for this campaign.

Table 1 - Replacement Parts for SF694

Campaign Number	Part Number	Part Description	Qty.
SF694 A	A66-30656-020	CABLE-BATT,NEG,4/0,SGR,20	1 ea
	23-13861-106	NUT-HEX,FLG,3/8-16,ZN AL	1 ea
	23-14137-001	CABLE TIE-FIR TREE MOUNT, TYC	3 ea
	12-31535-000	BRKT-1 HOLE Z	1 ea
	23-13859-000	STUD-HEX GROUND	1 ea
	23-13833-208	NUT HEX PT 1/2 20 C	2 ea
	23-11358-030	CLAMP-CUSHION DIA 1 2	1 ea
	WAR261	BLANK COMPLETION STICKER	1 ea

Table 1

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Removed Parts

U.S. and Canadian Dealers, please follow Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts. Export distributors, please destroy removed parts unless otherwise advised.

Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF694 A	Remove and Replace Ground Cable	1.0	996-F221A	12-Repair Recall/Campaign

Table 2

IMPORTANT: When the campaign has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the gray completion sticker provided in the field service kit (Form WAR261). If the vehicle does not have a base completion label, clean a spot on the appropriate location of the vehicle and first attach the base completion label (Form WAR259). If a field service kit is not required or there is no completion sticker in the kit, write the campaign number on a blank sticker and attach it to the base completion label.

Claims for Credit

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. Please reference the following information in OWL:

- Claim type is **Field Service Campaign**.
- In the Campaign field, enter the campaign number and appropriate condition code (**SF694-A**).
- In the Primary Failed Part field, enter **25-SF694-000**.
- 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 time will be included automatically as SRT 939-6010A for 0.3 hours.
- The VMRS Component Code is **F99-999-005** and the Cause Code is **A1 - Campaign**.
- This Field Service Campaign will **terminate on August 31, 2025**. Dealers will be notified of any changes to the termination date via an Important Campaign Information Letter (ICI) posted on the DTNA Portal.

IMPORTANT: OWL must be viewed prior to beginning work to ensure the vehicle is involved and the campaign has not previously been completed. Check for a completion sticker before beginning work.

All claims must be submitted within 30 days of the repair and within 30 days of the termination date of the campaign. U.S. and Canadian Dealers: All excess inventory to be returned to the PDC following the conclusion of the campaign must be returned in resaleable condition to the Memphis PDC within 90 days from the termination date. Please submit a PAR to request return to the Memphis PDC. Canadian Dealers: return kits to your facing PDC. Export Distributors: Excess inventory is not returnable.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via the Warranty Support Center (WSC) located on the DTNA Portal. Export distributors submit a WSC inquiry or contact your International Service Manager.

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Copy of Notice to Owners

Subject: eCascadia EVDM Ground Cable Terminal

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks division, is initiating Field Service Campaign SF694 to modify specific model years 2023-2024 Freightliner eCascadia vehicles, manufactured October 5, 2022, through December 5, 2023.

One of the redundant Electric Vehicle Distribution Module (EVDM) ground cable terminals may fail at the frame attachment due to fatigue.

A longer ground cable with strain relief will be installed.

Please contact an authorized DTNA dealer to arrange to have the campaign performed and to ensure that parts are available at the dealership. The campaign will take approximately one hour and will be performed **free of charge**. To locate an authorized dealer, search online at northamerica.daimlertruck.com/contact-us. Scroll down to "Locate a Dealer," and select the appropriate brand.

This Field Service Campaign will **terminate on August 31, 2025**. Please make sure the campaign is completed prior to this date. Work completed after this date will be done at the customer's expense.

As stated in the terms of your express limited warranty, DTNA will not pay for any damage caused by failure to properly maintain your vehicle. DTNA considers the work necessary under this campaign to be proper maintenance and will, therefore, not pay for any damage to your vehicle caused by your failure to have the repairs that are the subject of this campaign performed in a reasonable time.

If you have any questions, contact the Warranty Campaigns Department at (800) 547-0712, 7 a.m. to 4 p.m. Pacific Time, M-F, e-mail address: dtna-war-campaigns@daimlertruck.com, or contact the Customer Assistance Center at (800) 385-4357.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Work Instructions

Subject: eCascadia EVDM Ground Cable Terminal

Models Affected: Specific model years 2023-2024 Freightliner eCascadia vehicles, manufactured October 5, 2022, through December 5, 2023.

Replace Ground Cable - Electric Vehicle Distribution Module (EVDM)

Figure 1 shows an unbroken ground cable, and Fig. 2 shows a ground cable that is broken.

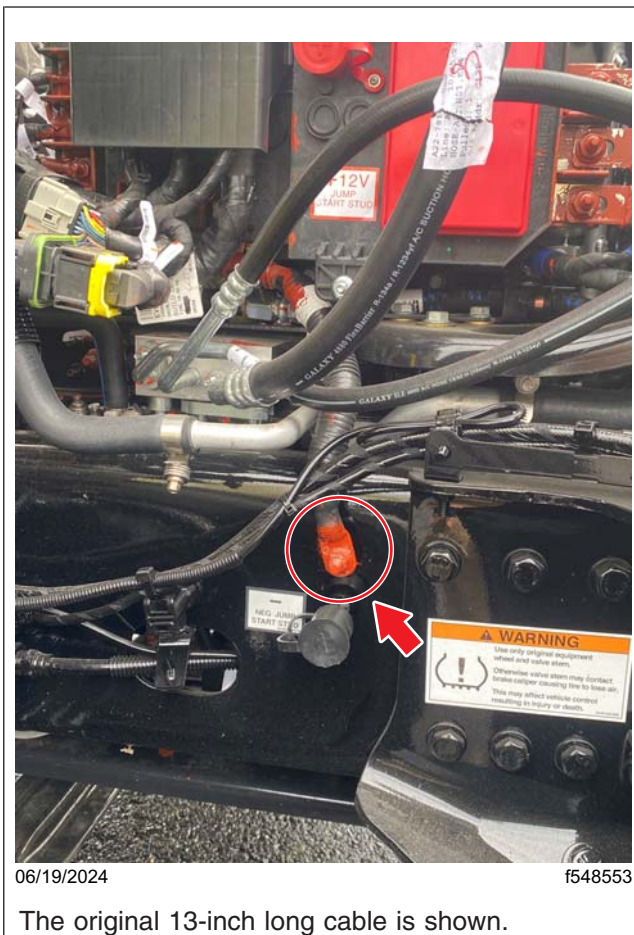


Fig. 1, Unbroken Ground Cable



Fig. 2, Broken Ground Cable

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1. Check the base label (Form WAR259) for a completion sticker for SF694 (Form WAR261), 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.
4. Remove the aerodynamic bumper. For instructions, see **Chapter 6.3.1** of the *eCascadia Workshop Manual*.
5. Disconnect the low voltage harnesses from the outboard side of the EVDM to access the ground cable. See **Fig. 3**.

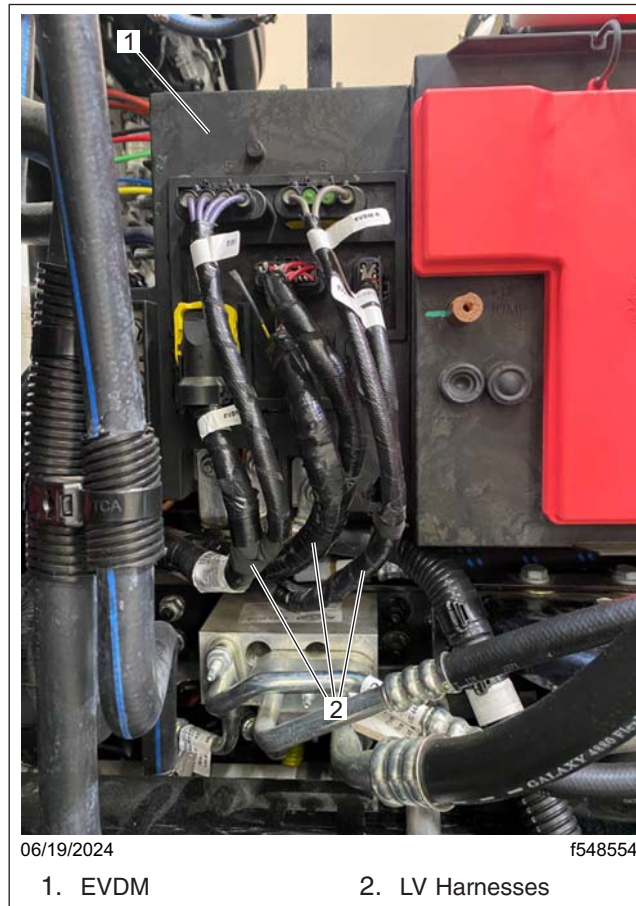
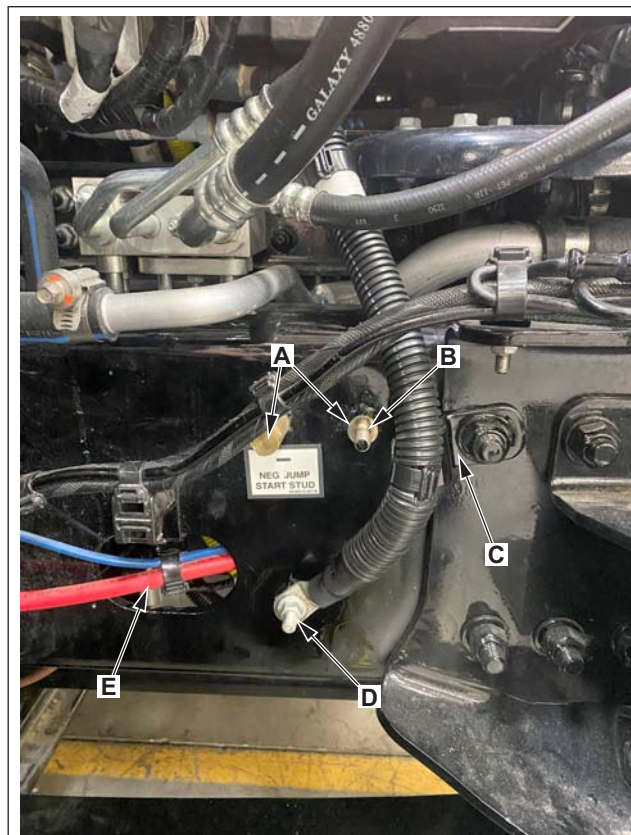


Fig. 3, EVDM LV Harnesses

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6. Disconnect the old ground cable from the frame and the EVDM.
7. Remove the fastener that attaches the standoff bracket to the frame. See [Fig. 4](#).
8. Install the standoff bracket and the fastener that attaches the standoff bracket to the frame. Tighten the fastener 129 lbf-ft (175 N·m). See [Fig. 4](#).
9. Install the new 20-inch cable and secure it to the standoff bracket with cable ties.
10. Tighten the EVDM ground cable nut 115 lbf-in (1300 N·cm).
11. If required to avoid interference with the new ground cable, move the jump stud to the other weld stud, as shown in [Fig. 4](#).
12. If the weld stud obstructs drilling the ground bolt hole, cut off the weld stud. See [Fig. 4](#).
13. Route the cable to its new location, and mark the location of the new ground bolt hole on the frame. See [Fig. 4](#).



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The exact location of the jump stud may vary.

- A. Move the jump stud from one weld stud to the other, if required.
- B. Remove the stud, if required.
- C. Standoff bracket.
- D. New ground stud hole location.
- E. The airlines are supported by the P-clamps.

Fig. 4, Ground Stud Locations

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NOTICE

Be careful not to drill into the air lines on the inside of the frame rail.

14. Use a 1/2-inch drill bit to drill the new ground bolt hole, and clean up any metal chips.

NOTE: The ground bolt needs bare metal to form a good connection.

15. Grind off the paint around the new ground bolt hole.

16. Install the ground bolt and nut. Tighten the fasteners 60 to 65 lbf-ft (81 to 88 N·m). See **Fig. 5**.

17. Install P-clamp on the ground stud. The P-clamp serves as a standoff for the air lines inside the frame rail.

18. Install the ground bolt nut and tighten 60 to 65 lbf-ft (81 to 88 N·m). See **Fig. 5**.

IMPORTANT: **Do not** paint the threads or the ground cable contact surface.

19. Apply paint around the ground nut.

20. Connect the ground cable to the ground bolt, and tighten 24 to 29 lbf-ft (33 to 39 N·m). See **Fig. 5**.

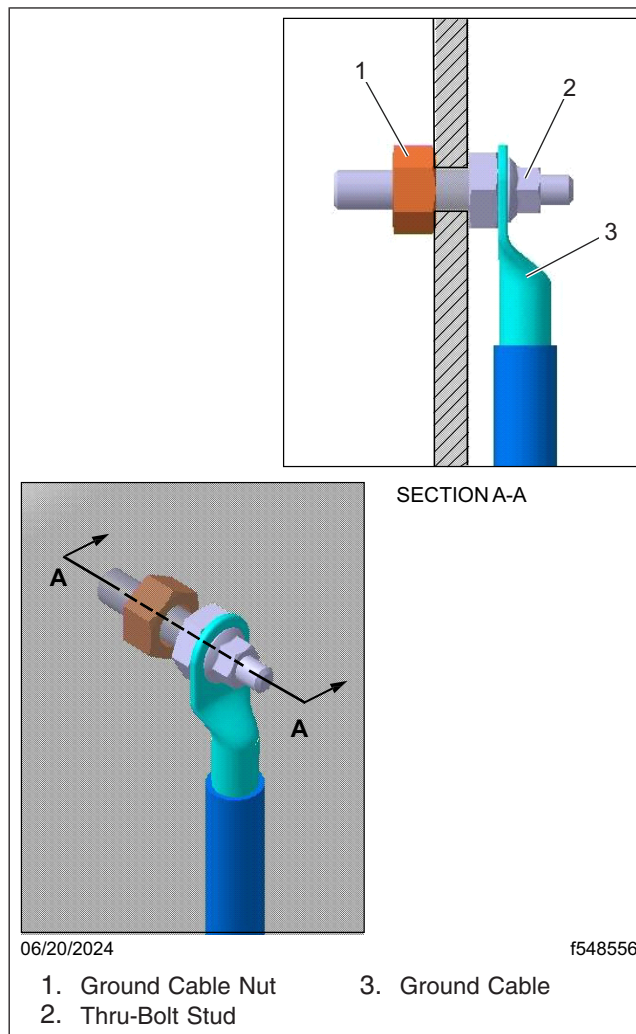


Fig. 5, Thru-Bolt Stud (section view)

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21. Apply red glyptal paint on the ground cable to ground bolt connection.
22. Connect the low voltage harnesses to the EVDM.
23. Install the aerodynamic bumper. For instructions, see **Chapter 6.3.2** of the *eCascadia Workshop Manual*.
24. Close the hood.
25. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for SF694 (Form WAR261), indicating this work has been completed.