

September 2024
SF697 A
(Revised February 2025)

Subject: eCascadia EQ Bonding Cables

Models Affected: Specific model years 2023-2024 Freightliner eCascadia vehicles, manufactured May 16, 2022, through October 17, 2023.

General Information

REVISION: The work instructions have been updated with additional figures to better illustrate the repair process. Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF697 to modify the vehicles mentioned above.

On the affected vehicles, equipotential (EQ) bonding cables, connected to various points on the chassis frame, may not have adequate strain relief, which may cause cable terminals to fatigue and break.

Longer cables and brackets with additional strain relief will be installed.

There are approximately 409 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 numbers listed below from your facing Parts Distribution Center (PDC).

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF697, 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.

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Table 1 - Replacement Parts for SF697

| Campaign Number | Part Number | Part Description | Qty. |
|-----------------|---------------|--------------------------|-------|
| SF697 A | 23-13476-000 | TIE-CLAMP,.5W,15L | 16 ea |
| | 23-14137-000 | CABLE TIE ASSY-FI | 2 ea |
| | 23-14451-116 | NUT-HEX,LKG,VLH B | 5 ea |
| | 23-14592-008 | NUT-HEX,SST,M8,36 | 1 ea |
| | 66-34421-000 | BUSBAR-SFTY GND,H | 1 ea |
| | 66-34471-000 | BRKT-HV BAT RTG,C | 1 ea |
| | A66-26292-043 | CBL-1GA,2XM8,SFTY | 1 ea |
| | A66-26292-075 | CBL-1GA,2XM8,SFTY | 1 ea |
| | A66-26293-017 | CBL-1GA,2XM8,SFTY | 1 ea |
| | A66-34468-000 | BRKT-SFTY GND,RH | 1 ea |
| | 23-12886-001 | MOUNT-TIE,CABLE,D | 2 ea |
| | A66-34437-022 | CBL-1GA,M8,M10,SF | 1 ea |
| | TYC DCT110HIR | TIE-CABLE,DUAL,.3 | 1 ea |
| | WAR261 | BLANK COMPLETION STICKER | 1 ea |

Table 1

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 |
|-----------------|---------------------------|----------------------|-----------|---------------------------|
| SF697 A | Install EQ Bonding Cables | 2.3 | 996-F225A | 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.

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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 (**SF697-A**).
- In the Primary Failed Part field, enter **25-SF697-000**.
- In the Parts section, enter the appropriate part numbers 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 September 30, 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 EQ Bonding Cables

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks division, is initiating Field Service Campaign SF697 to modify specific model years 2023-2024 Freightliner eCascadia vehicles, manufactured May 16, 2022, through October 17, 2023.

On the affected vehicles, equipotential (EQ) bonding cables, connected to various points on the chassis frame, may not have adequate strain relief, which may cause cable terminals to fatigue and break.

Longer cables and brackets with additional 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 two and a half hours 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 September 30, 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.

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 the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information.

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

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Work Instructions

Subject: eCascadia EQ Bonding Cables

Models Affected: Specific model years 2023-2024
Freightliner eCascadia vehicles, manufactured May 16,
2022, through October 17, 2023.

REVISION: The work instructions have been updated with additional figures to better illustrate the repair process.

Replacement of Equipotential (EQ) Bonding Cables

1. Check the base label (Form WAR259) for a completion sticker for SF697 (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.

DANGER

DANGER: Service and repair of the electric vehicle should only be performed by technicians who have completed HV2 or HV3 Daimler Safety Training. Decommissioning and commissioning of the high voltage system should only be performed by technicians who have completed HV3 Daimler Safety training. To prevent personal injury, death, or damage to the electric system, do not attempt repairs yourself.

3. Remove the mounting fasteners from the center deck plates, then remove the four center deck plates from the vehicle.
4. Remove the right-hand forward battery cover.

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5. Remove the mounting fasteners from the old inverter 1 EQ cable, and remove the cable from the vehicle.
See [Fig. 1](#)

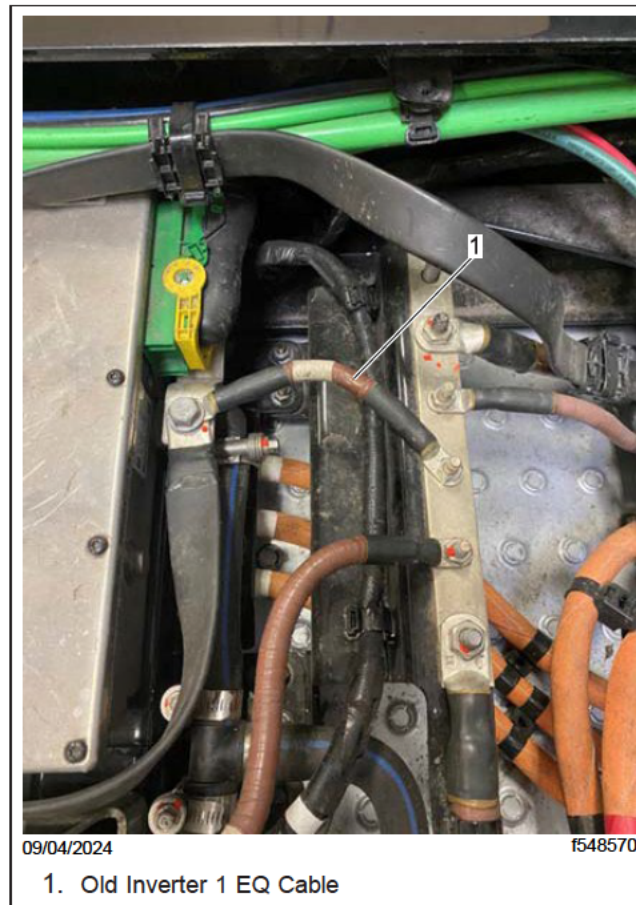
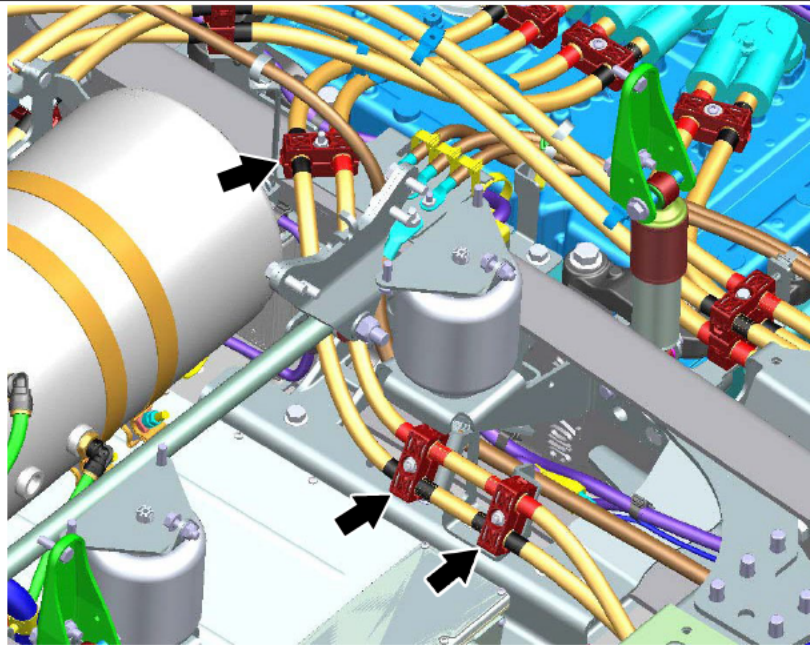


Fig. 1, Original Routing

6. Remove the right-hand side large battery cover.
7. Cut the cable ties that secure the EQ cables connecting to the high-voltage batteries B1, B2, and B3.
8. Remove the fasteners from the EQ cables connecting to the HV batteries B1, B2, and B3. Remove the cables from the vehicle.
9. Cut the cable ties attached to the EQ bonding bracket, on the top of the frame.
10. Remove the mounting fasteners from the EQ cables.

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11. Remove one HV cable clamp from the EQ bracket and two clamps located next to the inverter. See [Fig. 2](#).



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Fig. 2, HV Cable Clamps

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12. Remove the old HV cable bracket from the HV battery B1. See Fig. 3.

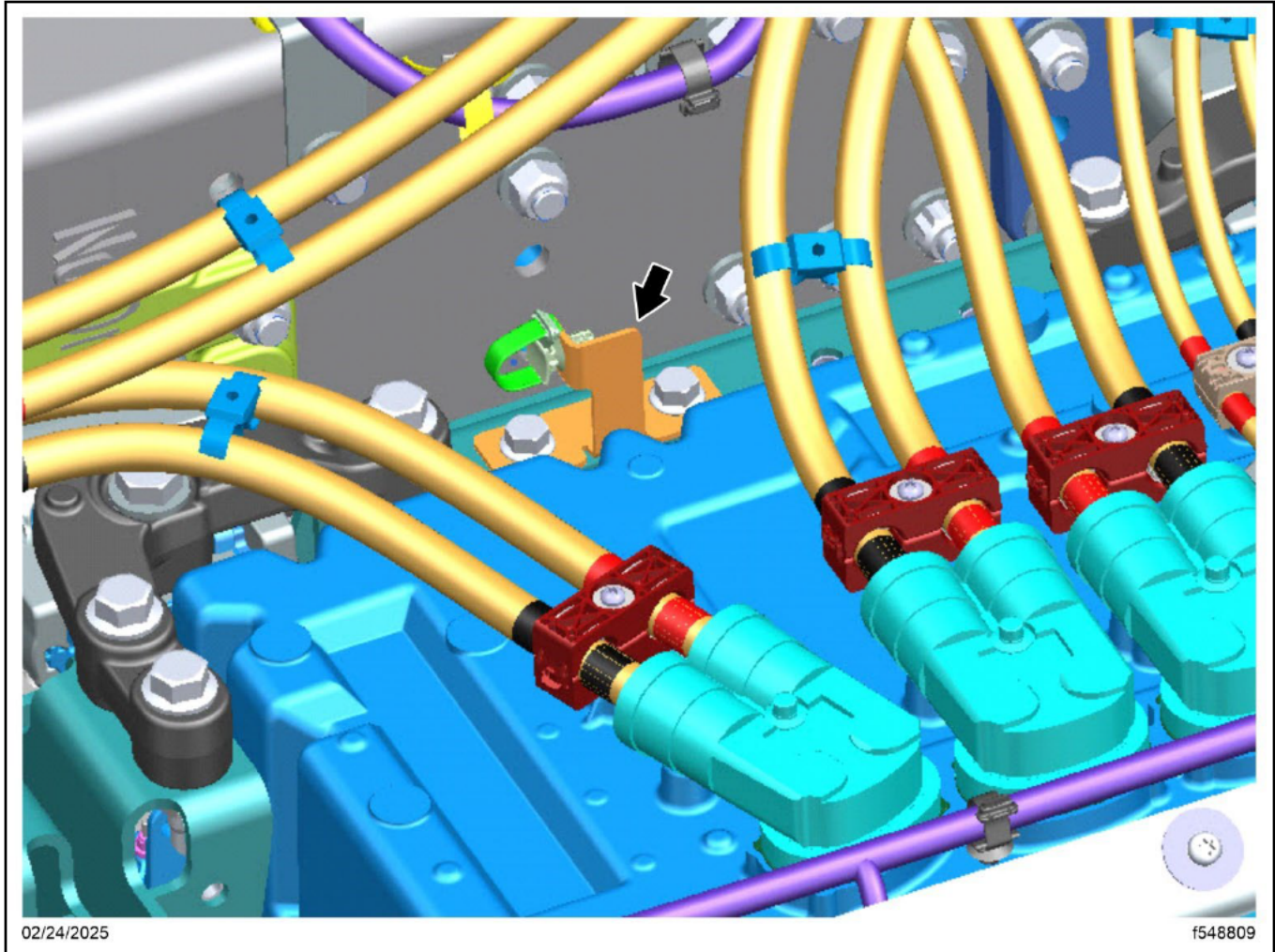


Fig. 3, Old EQ Cable Bracket

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- 13. Disconnect the low voltage (LV) connections from the electronic transmission control module (ETCM), and remove the mounting fasteners from the ETCM. See Fig. 4 and Fig. 5.
- 14. Remove the ETCM from the vehicle. See Fig. 5.

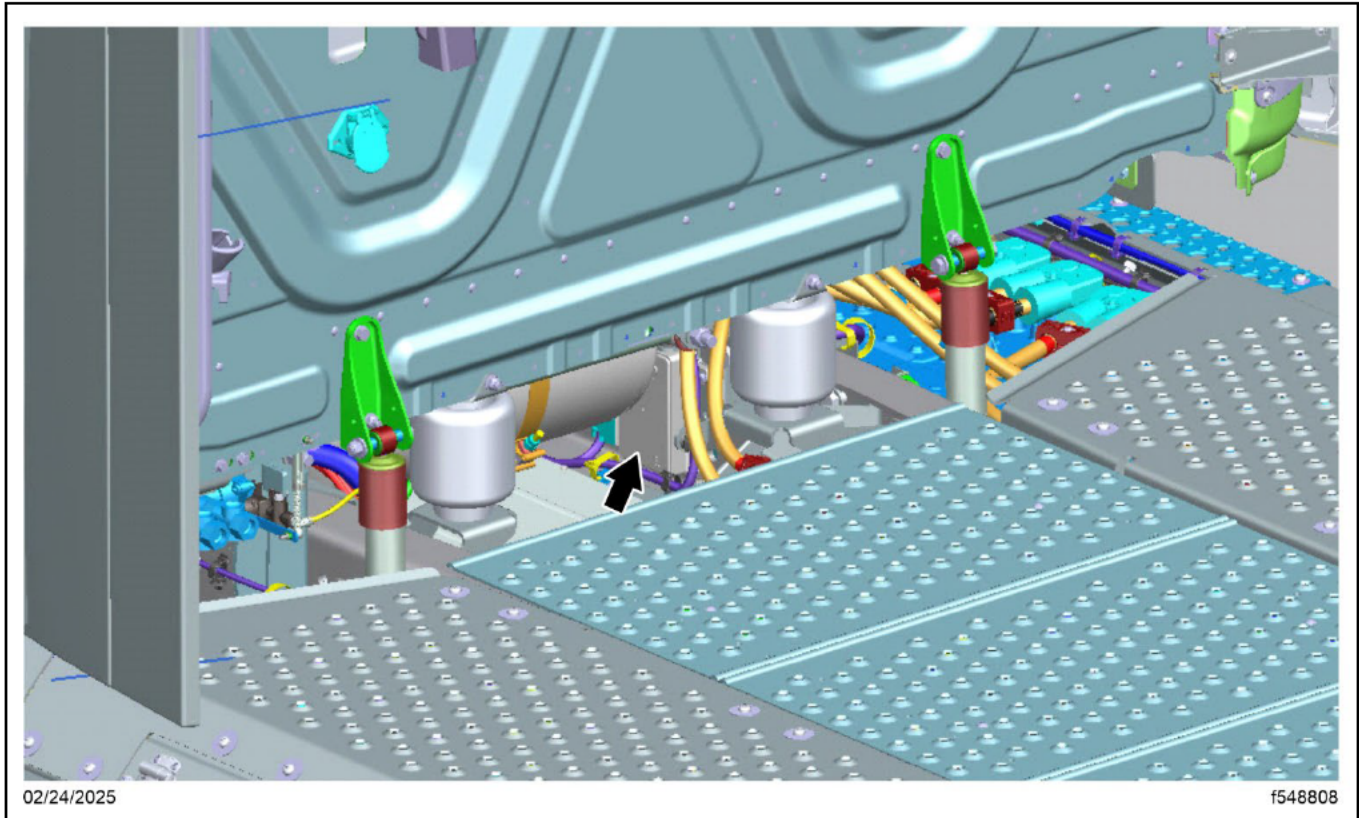
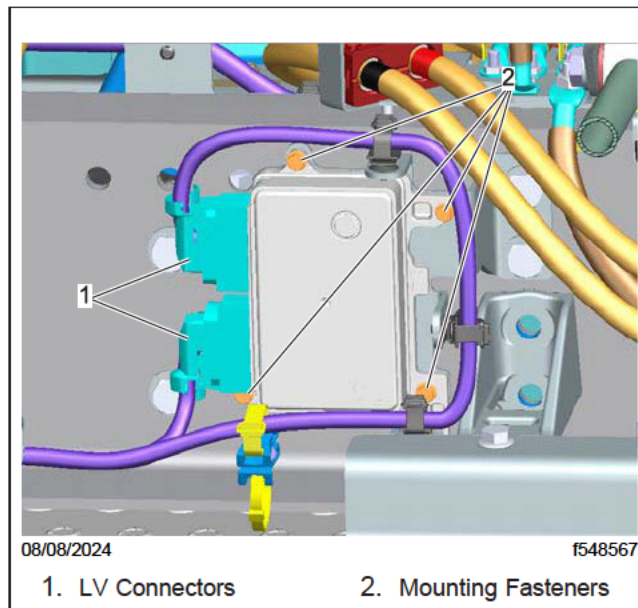


Fig. 4, Location of the ETCM



- 1. LV Connectors
- 2. Mounting Fasteners

Fig. 5, ETCM Connectors and Fasteners

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15. Remove the three mounting fasteners from the ETCM bracket. See [Fig. 6](#).
16. To access the EQ bracket fasteners, move the ETCM along with its bracket aside.

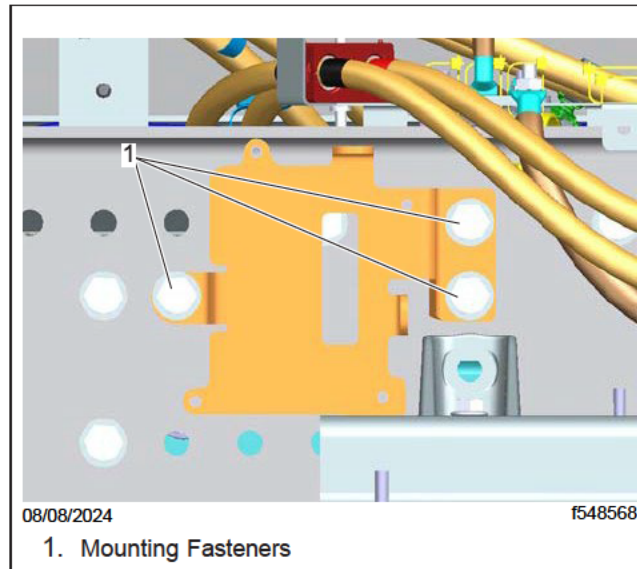


Fig. 6, ETCM Bracket

17. Remove the two mounting fasteners from the EQ grounding bracket.
18. Remove the old EQ grounding bracket.
19. Install the new EQ grounding bracket (A66-34468-000 and 66-34421-000). See [Fig. 7](#).

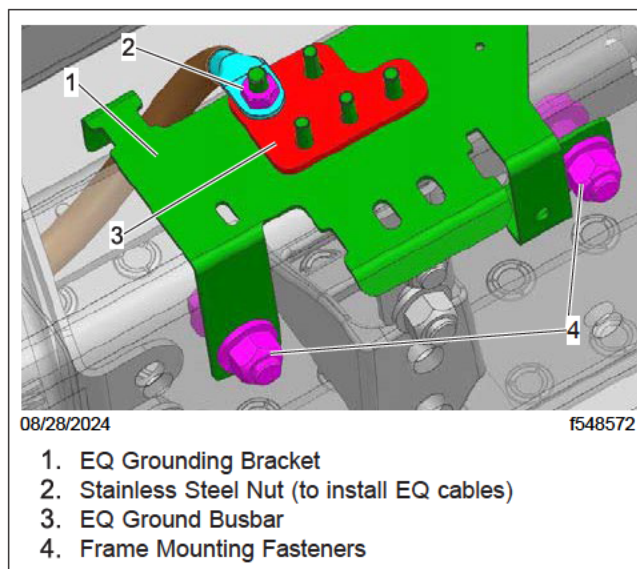


Fig. 7, New EQ Grounding Bracket

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20. Install the ETCM bracket.
21. Install the ETCM and tighten the mounting fasteners 62 lbf-in (700 N-cm).
22. Connect the low voltage connections to the ETCM.
23. Install the new HV cable bracket (66-34471-000) to the high voltage battery B1. See **Fig. 8**.
24. Route the new EQ cables (A66-26293-017, A66-26292-043, and A66-26292-075) to each HV battery, and loosely install the fasteners to keep the cables in place. See **Fig. 8**, **Fig. 9**, and **Fig. 10**.

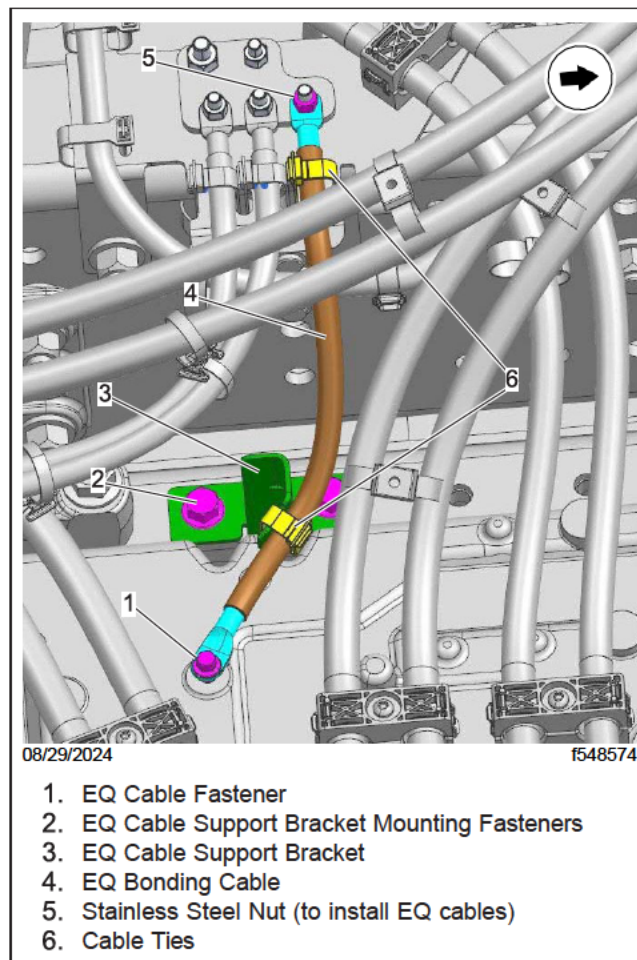


Fig. 8, Installation of New HV Cable Bracket

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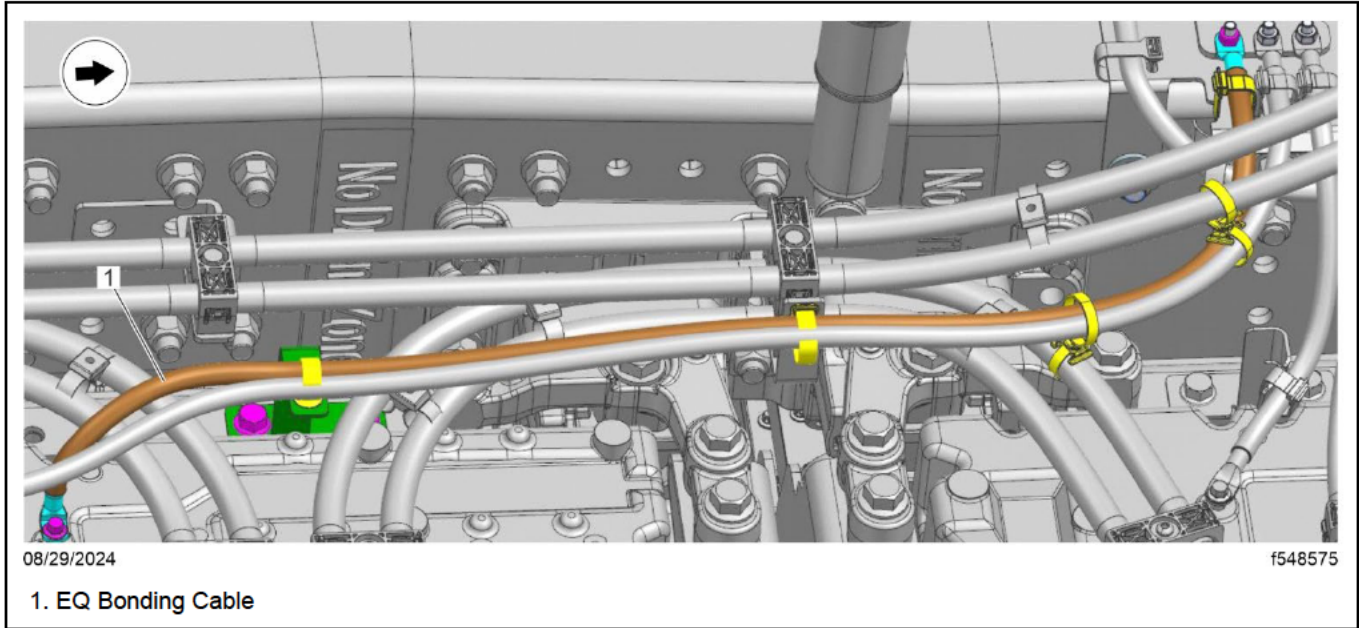


Fig. 9, Routing the New EQ Cable

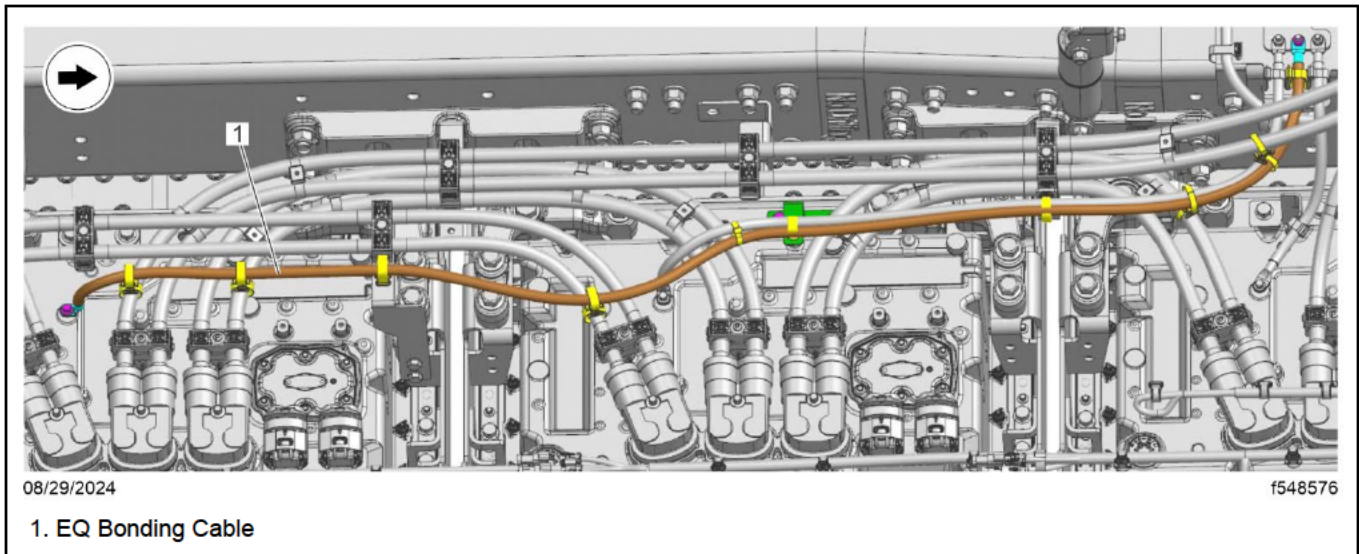


Fig. 10, Routing the New EQ Cable

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25. Install the new EQ cable (A66-34437-022) with the new routing. See Fig. 11.

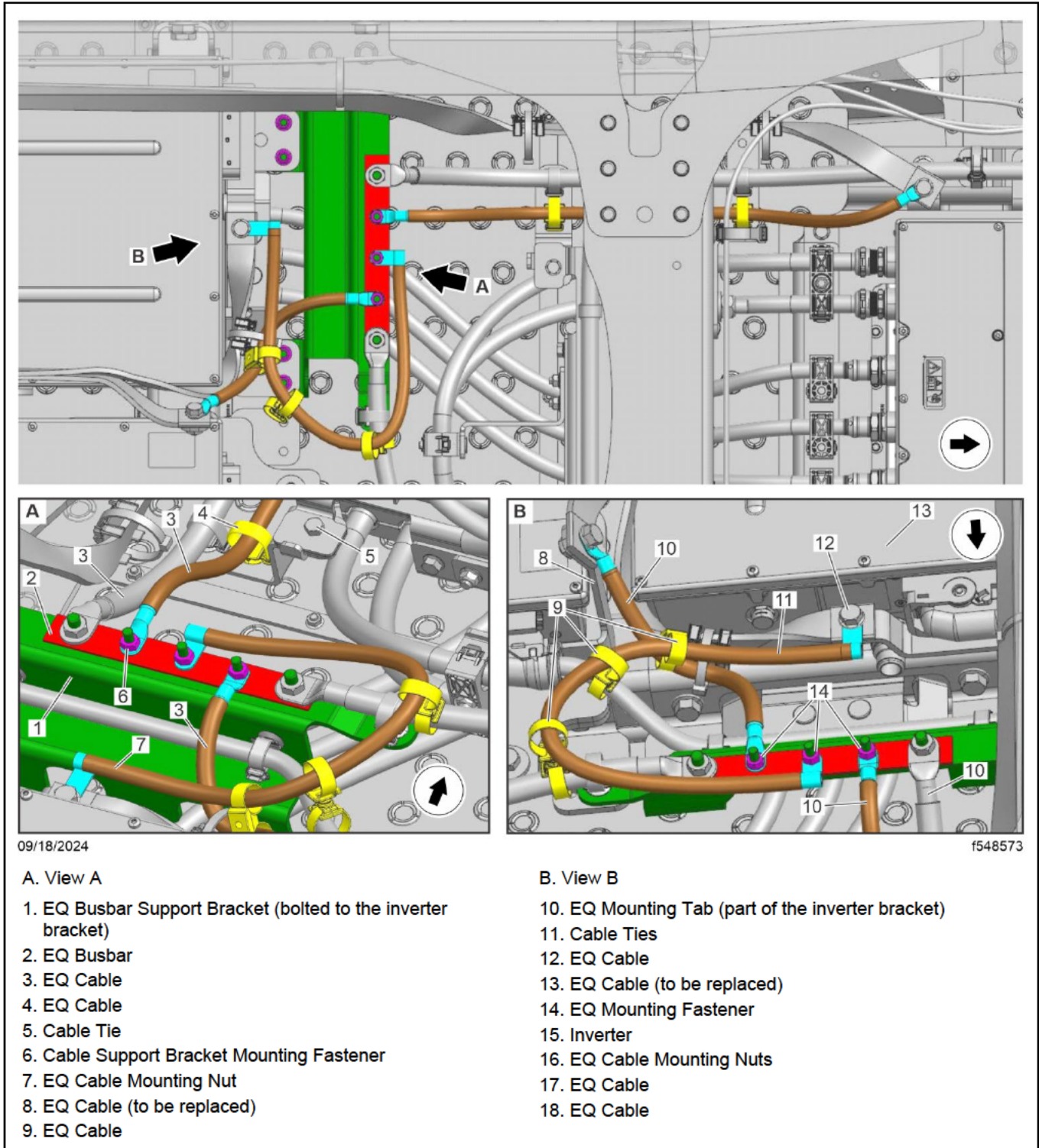


Fig. 11, Installation of the New EQ Cable

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26. Install the three HV cable clamps. See [Fig. 2, on page 7](#).
27. Use cable ties to secure the ground cables as shown in [Fig. 8](#), [Fig. 9](#), [Fig. 10](#), and [Fig. 11](#). Use cable ties to secure the LV harness and other ground cables attached to the new EQ ground bracket.
28. Tighten the EQ cable large stainless steel (SS) nut 26 lbf·ft (35 N·m).
29. Tighten the EQ cable small SS nuts, E/E box fasteners, and inverter 1 EQ cable fastener 11 lbf·ft (15 N·m).
30. Install the right-hand forward battery cover.
31. Install the four center deck plates on the vehicle. Install the mounting fasteners and tighten 11 lbf·ft (15 N·m).
32. Clean a spot on the base label (Form WAR259), and attach a campaign completion sticker for SF697 (Form WAR261), indicating this work has been completed.