

June 2022
SF647A

Subject: Freightliner Cascadia Integral Tail Lamp and Back Up Alarm Bracket

Models Affected: Specific model year 2022 Freightliner Cascadia vehicles manufactured January 4, 2021, through November 2, 2021.

General Information

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF647A to modify the vehicles mentioned above.

On specific vehicles, tail lamp brackets are failing due to fatigue caused by vibration and excessive loading from tail lamp and back up alarm.

The right hand tail lamp bracket will be replaced and the back up alarm will be relocated to the rear closing crossmember

There are approximately 789 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.

If our records show your dealership has ordered any vehicle(s) involved in campaign number SF647, a list of the customers and vehicle identification numbers will be available on DTNAConnect. Please refer to this list when ordering parts for this campaign.

Table 1 - Replacement Parts for SF647

Campaign Number	Part Description	Part Number	Qty.
SF647A	BKT MTG-COMBO LITE	06-13578-000	1 ea
	WASHER-HRDN,0.34X0.69X.080,ZN	23-09114-006	2 ea
	NUT-HEX,FLG,5/16-18	23-13862-105	2 ea
	SCREW-CAP,HEX5/16-18X1.00GR5Z	23-10744-100	2 ea
	WASHER-LOCK,SPLT,5/16,ZINC PLT	23-09318-010	2 ea
	BLANK COMPLETION STICKER	WAR261	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.

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Labor Allowance

Table 2 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Corrective Action
SF647A	Replace tail lamp bracket and relocate backup alarm	0.7	996-F128A	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 (**SF647-A**).
- In the Primary Failed Part field, enter **25-SF647-000**.
- 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 June 30, 2023**. Dealers will be notified of any changes to the termination date via Important Campaign Information Letter posted on DTNAConnect.com.

IMPORTANT: OWL must be viewed prior to beginning work to ensure the vehicle is involved and the campaign has not previously been completed. Also, 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 should return the kits to their facing PDC.) Export Distributors: Excess inventory is not returnable.

For questions, U.S. and Canadian dealers, contact the Warranty Campaigns Department via Web inquiry at DTNAConnect.com/WSC, or the Customer Assistance Center at (800) 385-4357, if you have any questions or need additional information. Export distributors submit a Web inquiry or contact your International Service Manager.

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Copy of Notice to Owners

Subject: Freightliner Cascadia Integral Tail Lamp and Back Up Alarm Bracket

Daimler Truck North America LLC (DTNA), on behalf of its Freightliner Trucks Division, is initiating Field Service Campaign SF647A to modify specific model year 2022 Freightliner Cascadia vehicles manufactured January 4, 2021, through November 2, 2021.

On specific vehicles, tail lamp brackets are failing due to fatigue caused by vibration and excessive loading from tail lamp and back up alarm.

The right hand tail lamp bracket will be replaced and the back up alarm will be relocated to the rear closing crossmember.

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 at no charge to you. To locate an authorized dealer, search online at DaimlerTruck.com. Scroll down to the bottom of the page and select the appropriate brand. Click on Dealers (top right of page).

This Field Service Campaign will **terminate on June 30, 2023**. 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, from 7 a.m. to 4 p.m. Pacific Time, Monday through Friday, e-mail address DTNA.Warranty.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: Freightliner Cascadia Integral Tail Lamp and Back Up Alarm Bracket

Models Affected: Specific model year 2022 Freightliner Cascadia vehicles manufactured January 4, 2021, through November 2, 2021.

Right Hand Tail Lamp Bracket Replacement and Backup Alarm Relocation

1. Check the base label (Form WAR259) for a completion sticker for SF647 (Form WAR261) indicating this work has been done. The base label is usually located on the passenger door about 12 inches (30 cm) below the door latch. If a sticker is present, no work is needed. If there is no sticker, proceed with the next step.
2. Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
3. Disconnect the electrical connector from the right hand tail lamp assembly.
4. Disconnect the two electrical connectors from the backup alarm.
5. Cut any zip ties that hold the wiring to the tail lamp bracket.
6. Depending on the vehicle configuration, remove the fasteners that attach the tail lamp bracket to the rear crossmember or the frame rail. For vehicles with the tail lamp bracket attached to the rear crossmember, see [Fig. 1](#). For vehicles with the tail lamp bracket attached to the frame rail, see [Fig. 2](#).

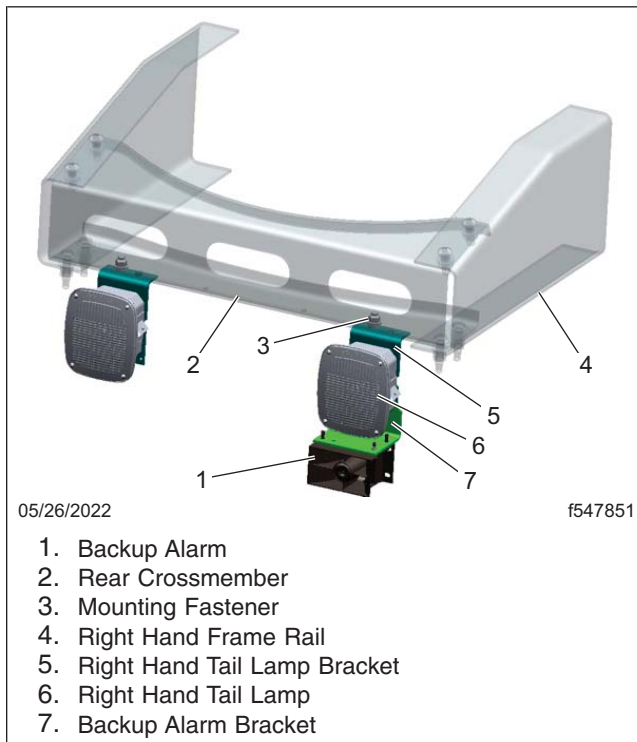


Fig. 1, Tail Lamp Bracket Removal from the Rear Crossmember

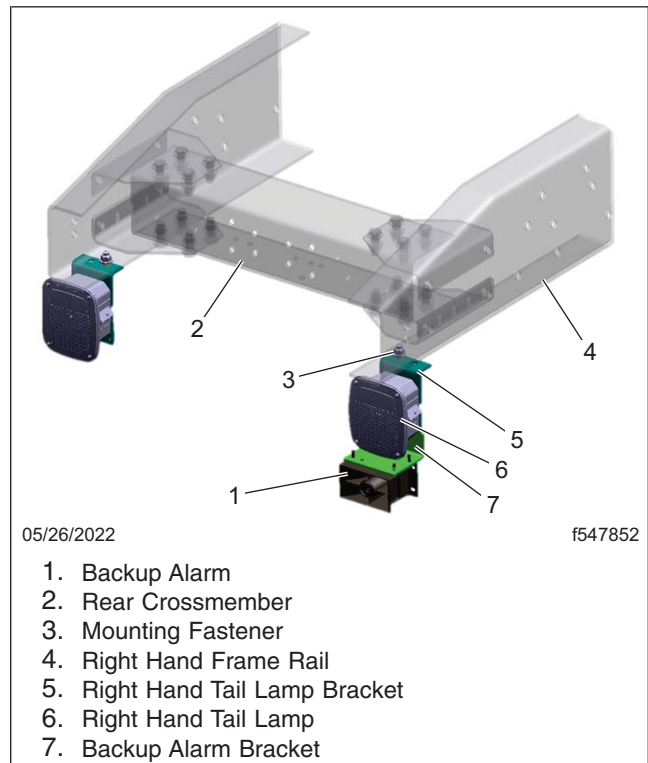


Fig. 2, Tail Lamp Bracket Removal from the Frame Rail

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- Remove the right hand tail lamp and backup alarm assembly from the vehicle. See [Fig. 3](#).
- Remove the three fasteners that attach the tail lamp and the backup alarm bracket to the tail lamp bracket, as shown in [Fig. 4](#). Discard the right hand tail lamp bracket.

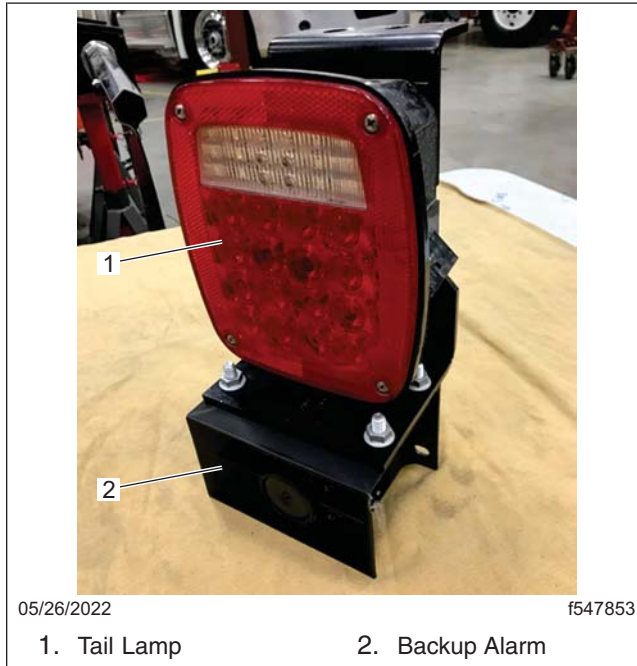


Fig. 3, Right Hand Tail Lamp and Backup Alarm Assembly Removed from the Vehicle

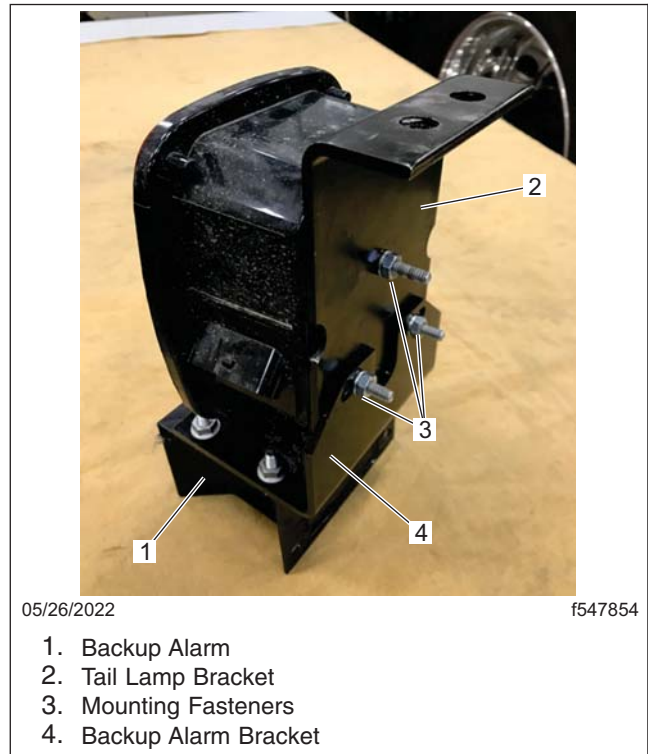


Fig. 4, Tail Lamp Bracket Removal

- Install a new tail lamp bracket in the same location as previously removed, using the fasteners removed in step 6. For vehicles with the tail lamp bracket attached to the rear crossmember, see [Fig. 5](#). For vehicles with the tail lamp bracket attached to the frame rail, see [Fig. 6](#).

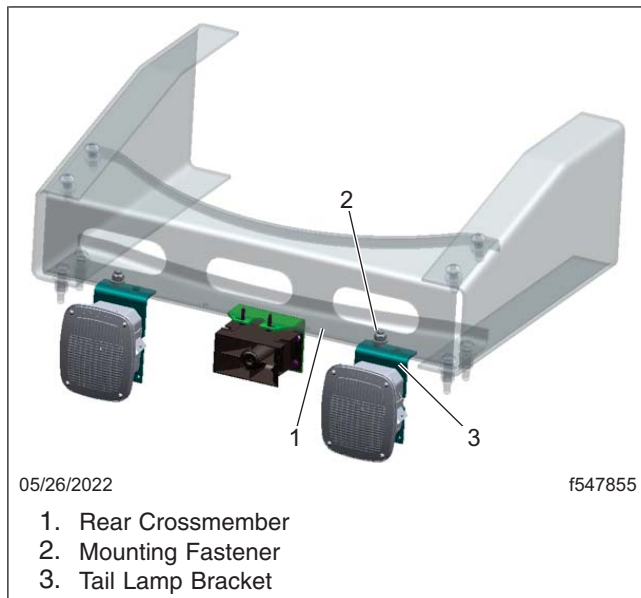


Fig. 5, New Tail Lamp Bracket Installation on the Rear Crossmember

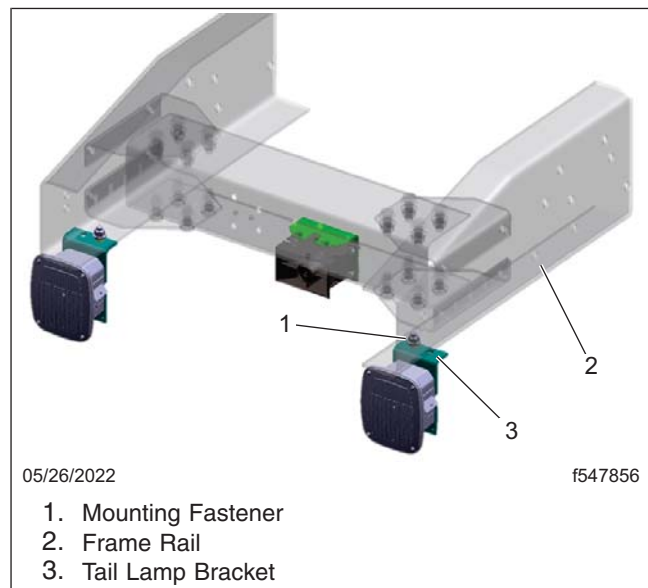


Fig. 6, New Tail Lamp Bracket Installation on the Frame Rail

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10. If M12 fasteners are used, tighten them 50 lbf·ft (68 N·m). If 1/2-inch fasteners are used, tighten them 64 lbf·ft (87 N·m).
11. Install the right hand tail lamp on the new tail lamp bracket using the three fasteners removed in step 8. Tighten the fasteners 60 lbf·in (678 N·cm).
12. Connect the tail lamp electrical connector to the right hand tail lamp.
13. Remove the four fasteners that attach the backup alarm to the backup alarm bracket, then remove the backup alarm. See **Fig. 7**.

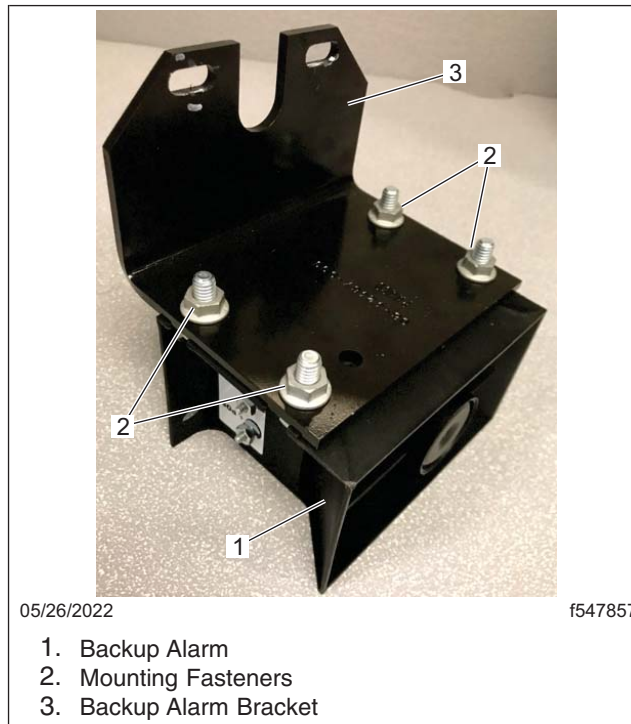


Fig. 7, Backup Alarm Removal

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14. Position the backup alarm bracket onto the bottom flange of the rear crossmember, centered between the frame rails, and mark location of the holes to be drilled. See [Fig. 8](#) and [Fig. 9](#).

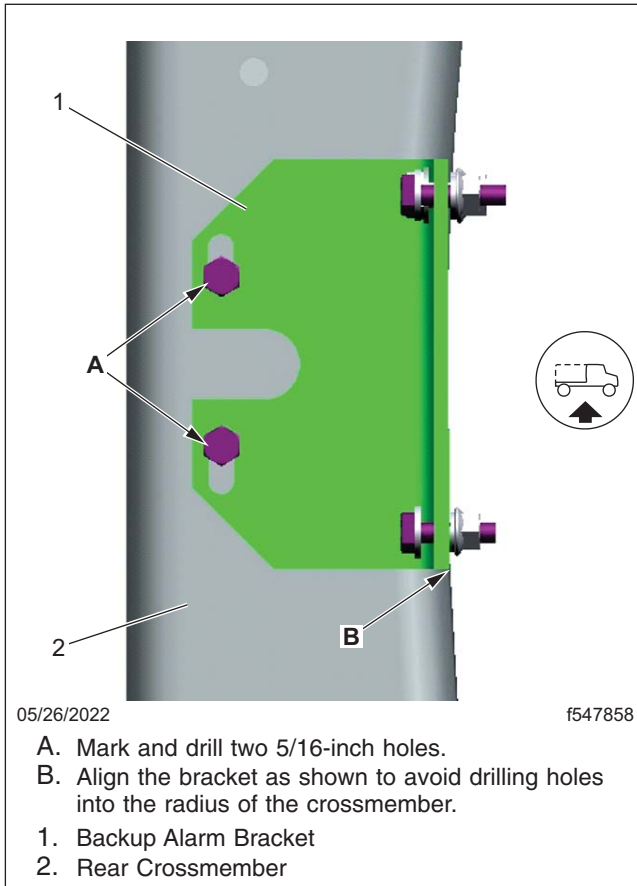


Fig. 8, Positioning the Backup Alarm Bracket, Vehicles with Tail Lamp Bracket Mounted on the Rear Crossmember

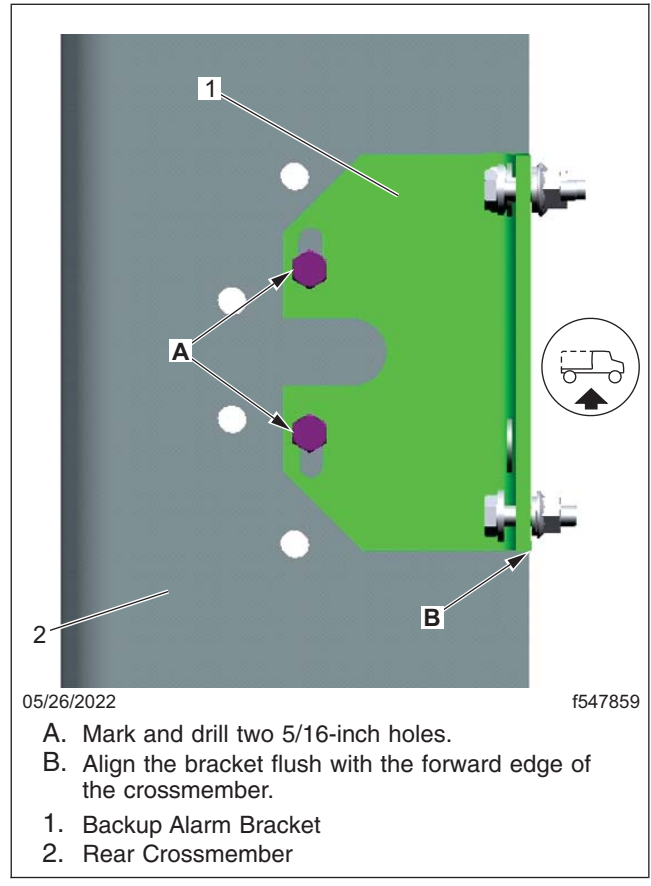


Fig. 9, Positioning the Backup Alarm Bracket, Vehicles with Tail Lamp Bracket Mounted on the Frame Rail

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NOTICE

On vehicles with the tail lamp bracket attached to the rear crossmember, avoid drilling into the radius of the crossmember. Backup alarm bracket location can be adjusted as needed.

IMPORTANT: Make sure the edges of the new holes are at least 1/2-inch away from any existing holes on the bottom of the rear crossmember.

15. Drill two 5/16-inch holes in the bottom flange of the rear crossmember in the locations marked in the previous step.
16. Mount the backup alarm to the backup alarm bracket in the orientation shown in **Fig. 10**, and install the four mounting fasteners removed in step 13. Tighten the fasteners 11 lbf-ft (15 N-m).
17. Mount the backup alarm and the backup alarm bracket to the rear crossmember, in the holes drilled in step 15, using the new 5/16-inch fasteners from the SF647 parts kit. See **Fig. 11**. Tighten the fasteners 11 lbf-ft (15 N-m).



Fig. 10, Mounting the Backup Alarm to the Backup Alarm Bracket

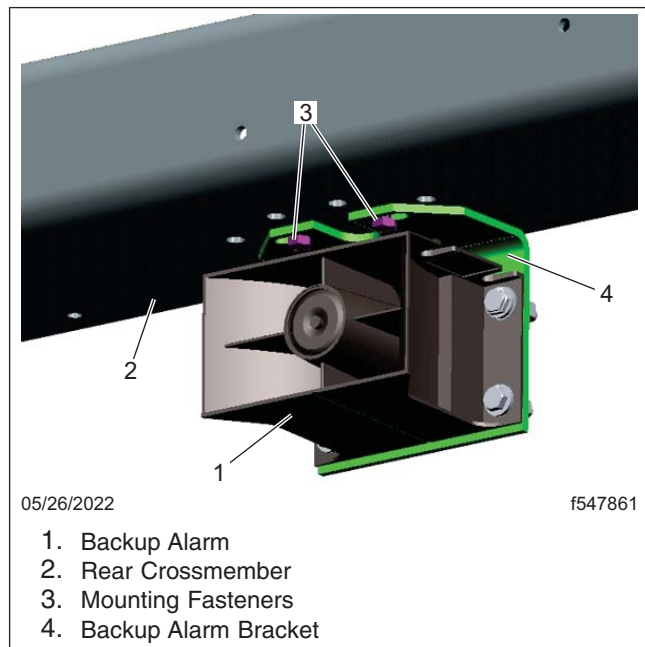


Fig. 11, Mounting the Backup Alarm Bracket to the Rear Crossmember

18. Connect the two backup alarm electrical connectors.
19. Route and secure the backup alarm jumper harness using new zip ties as needed.
20. Secure the tail lamp harness with zip ties.
21. Clean a spot on the base label (Form WAR259) and attach a campaign completion sticker for SF647 (Form WAR260), indicating this work has been completed.