

Subject: FCCC X-Line Chassis Brake Signal Diode Jumpers

Models Affected: Specific Freightliner Custom Chassis XC and XB chassis manufactured January 21, 2010, through September 20, 2012, with certain Nexans autoelectric of America diode jumpers.

General Information

Daimler Trucks North America LLC, on behalf of its wholly owned subsidiary, Freightliner Custom Chassis Corporation, has decided that a defect that relates to motor vehicle safety exists on the vehicles mentioned above.

There are approximately 7,600 vehicles involved in this campaign.

Excess heat shrink used to protect the diode on certain brake and cruise control signal diode jumpers may prevent the connectors from fully locking in place. Over time, the connectors may come loose, resulting in a possible intermittent or continuously open circuit. Two circuits are potentially affected. One circuit disengages the cruise control with brake pedal application, and the other circuit illuminates the brake lights with brake pedal application. The failure of the cruise control to disengage or of the brake lights to illuminate when the brake pedal is depressed may increase the risk of a vehicle crash.

Vehicles will be inspected to ensure the locking tabs on the diode jumpers are fully engaged and locked into place.

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.

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

No replacement parts are needed for this repair. **NOTE:** An allowance of \$1.00 for black electrical tape to rebundle the diode jumpers is included in the campaign. It should be automatically added to your claim in OWL. If filing in QuickClaim, add this allowance to the parts section of the claim.

If our records show your dealership has ordered any vehicles involved in campaign number FL634A, a list of the customers and vehicle identification numbers will be available on AccessFreightliner.com. Please refer to this list when ordering parts for this recall.

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.

Recall Campaign

Daimler Trucks
North America LLC

December 2012
FL634A
NHTSA #12V-552

Labor Allowance

Table 1 - Labor Allowance

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Damage Code
FL634A	Inspect heat shrink on diode jumpers	0.2	996-0891A	000-Inspected
	Inspect and cut away excess heat shrink on diode jumpers	0.3	996-0891B	000-Modifiedx

Table 1

IMPORTANT: When the Recall has been completed, locate the base completion label in the appropriate location on the vehicle, and attach the red completion sticker provided in the recall kit (Form WAR260). 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 recall kit is not required or there is no completion sticker in the kit, write the recall 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 QuickClaim or OWL:

- Claim type is **Recall**.
- In the FTL Authorization field, enter the campaign number and appropriate condition code (**FL634A**).
- In the Primary Failed Part Number field, enter **25-FL634-000**.
- No parts are needed for this repair. **NOTE:** An allowance of \$1.00 for black electrical tape to rebundle the diode jumpers is included in the campaign. It should be automatically added to your claim in OWL. If filing in QuickClaim, add this allowance to the parts section of the claim.
- In the Labor field, first enter the appropriate SRT from the Labor Allowance Table. For administrative time, enter SRT 939-0010A for 0.4 hours for RVs or 0.3 hours for all other vehicles.
- For OWL, the VMRS Component Code is 034-004-318 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 for this recall.)
 - Submit a Campaign Pre-Approval inquiry to the Warranty Campaigns Department for a decision and authorization number.
 - Include the approved amount on your claim in Other Charges section.
 - In the claim story, first note the authorization number and that the claim includes a reimbursement.
 - Retain the documentation and provide it to Warranty Campaigns or Claims Processing if requested.
 - When your claim is paid, reimburse the customer the appropriate amount.

IMPORTANT: ServicePro or 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.

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U.S. and Canadian dealers, contact the Warranty Campaigns Department from 7:00 a.m. to 4:00 p.m. Pacific Time, Monday through Friday, via Web inquiry at AccessFreightliner.com / Support / My Tickets and Submit an Inquiry, or the Customer Assistance Center at (800) 385-4357, after normal business hours, 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 may be returned as noted for U.S. and Canadian dealers. Export locations will pay freight to return kits. 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 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 manufactured is required to forward this notice to its distributors and retail outlets within five working days.

Recall Campaign

Daimler Trucks
North America LLC

December 2012
FL634A
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Copy of Notice to Owners

Subject: FCCC X-Line Chassis Brake Signal Diode Jumpers

For the 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 the Notice to Canadian Customers: This notice is sent to you in accordance with the Canadian Motor Vehicles Safety Act.

Daimler Trucks North America LLC, on behalf of its wholly owned subsidiary, Freightliner Custom Chassis Corporation, has decided that a defect which relates to motor vehicle safety exists on specific Freightliner Custom Chassis XC and XB chassis manufactured January 21, 2010, through September 20, 2012, with certain Nexans autoelectric of America diode jumpers.

Excess heat shrink used to protect the diode on certain brake and cruise control signal diode jumpers may prevent the connectors from fully locking in place. Over time, the connectors may come loose, resulting in a possible intermittent or continuously open circuit. Two circuits are potentially affected. One circuit disengages the cruise control with brake pedal application, and the other circuit illuminates the brake lights with brake pedal application. The failure of the cruise control to disengage or of the brake lights to illuminate when the brake pedal is depressed may increase the risk of a vehicle crash.

Vehicles will be inspected to ensure the locking tabs on the diode jumpers are fully engaged and locked into place.

Please contact an authorized Daimler Trucks 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 www.Daimler-TrucksNorthAmerica.com. The Recall will take approximately up to an hour and will be performed at no charge to you.

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 Recall 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. If you have paid to have this recall condition corrected prior to this notice, you may be eligible to receive reimbursement. Please see the reverse side of this notice for details.

For the Notice to U.S. Customers: If you have questions about this Recall, 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.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357 after normal business hours. If you are not able to have the defect remedied 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 to <http://www.safercar.gov>.

For the Notice to Canadian Customers: If you have questions about this Recall, 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.Warranty.Campaigns@Daimler.com, or the Customer Assistance Center at (800) 385-4357 after normal business hours.

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

WARRANTY CAMPAIGNS DEPARTMENT

Enclosure

Reimbursement to Customers for Repairs Performed Prior to Recall

If you have already **paid** to have this recall 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 Trucks 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 Trucks North America LLC dealer.

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

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Work Instructions

Subject: FCCC X-Line Chassis Brake Signal Diode Jumpers

Models Affected: Specific Freightliner Custom Chassis XC and XB chassis manufactured January 21, 2010, through September 20, 2012, with certain Nexans autoelectric of America diode jumpers.

Heat Shrink Inspection and Repair

1. Check the base label (Form WAR259) for a completion sticker for FL634 (Form WAR260) indicating this work has been done. The base label is usually located on the front wall under the dash. 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. Locate the three diodes. See **Table 2** for the location of the diodes for each body builder. (The table should have accurate locations for the wiring harness and diode jumpers, but it is possible for the wiring harness and diode jumpers on a specific vehicle to be in a different location than indicated below.) See **Fig. 1** for an example of the suspect diode jumpers.

Brake Diode Access Location by Body Builder	
Body Builder	Diode Access Location
Fleetwood–All Units	Remove the kick panel on the left side of the steering column.
Forest River–Berkshire and Charleston Units	Remove the eight Allen-head screws that mount the console on the left side of the drivers seat. Gently lift the console, but do not disconnect anything from it. The diodes are down at the floor.
Newmar–All Units	Open the front-left exterior access door; the brake diodes are immediately visible.
Thor–Palazzo Unit	Diodes are in the lower-left exterior compartment, in the corner with a P-clamped harness.
Thor–Tuscany Unit	Open the front-left exterior access door; diodes are between the floor and foam. Grab the entire harness assembly and gently pull down to remove the diodes from the foam.
Tiffin–All Units	Locate the front power distribution module (PDM), either behind the center console or in the lower-left exterior compartment. If the PDM is behind the center console, the diodes are near the throttle pedal, against the bulkhead. If the PDM is in the lower-left exterior compartment, the diodes are in the upper area, near the steering wheel.
Winnebago–All Units	Open the front-left exterior access door; the diodes are to the left.

Table 2, Brake Diode Access Location by Body Builder

4. Cut the black tape around the wiring harness and diode jumpers, then lightly pull on each side of the diode.
5. If no diode comes apart and all three are securely connected, no further work is needed. Go to step 11.
If one or more diodes come apart, continue with the next step.
6. Trim the heat shrink from one side. See **Fig. 2** for an example of excessive heat shrink around the diode locking tab. **Fig. 3** shows a brake diode with properly applied heat shrink.
7. Push the diode locking tabs together.
If a clicking sound is heard, no further work is needed. Go to step 8.
If a clicking sound is not heard, trim additional heat shrink from the diode locking tab and push the locking tabs together.

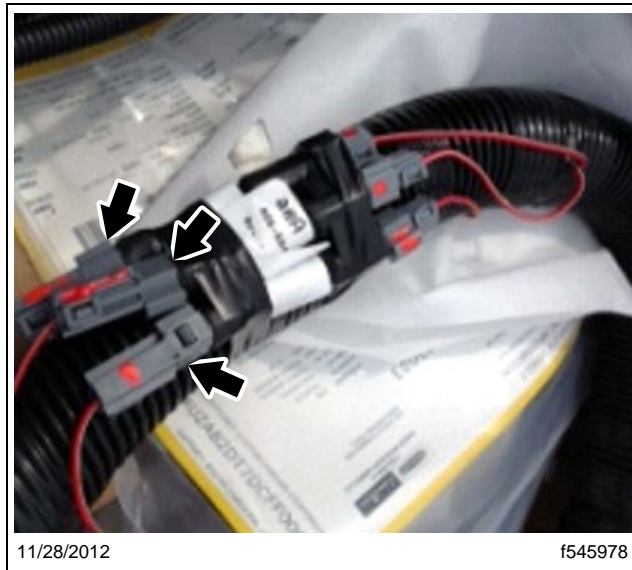


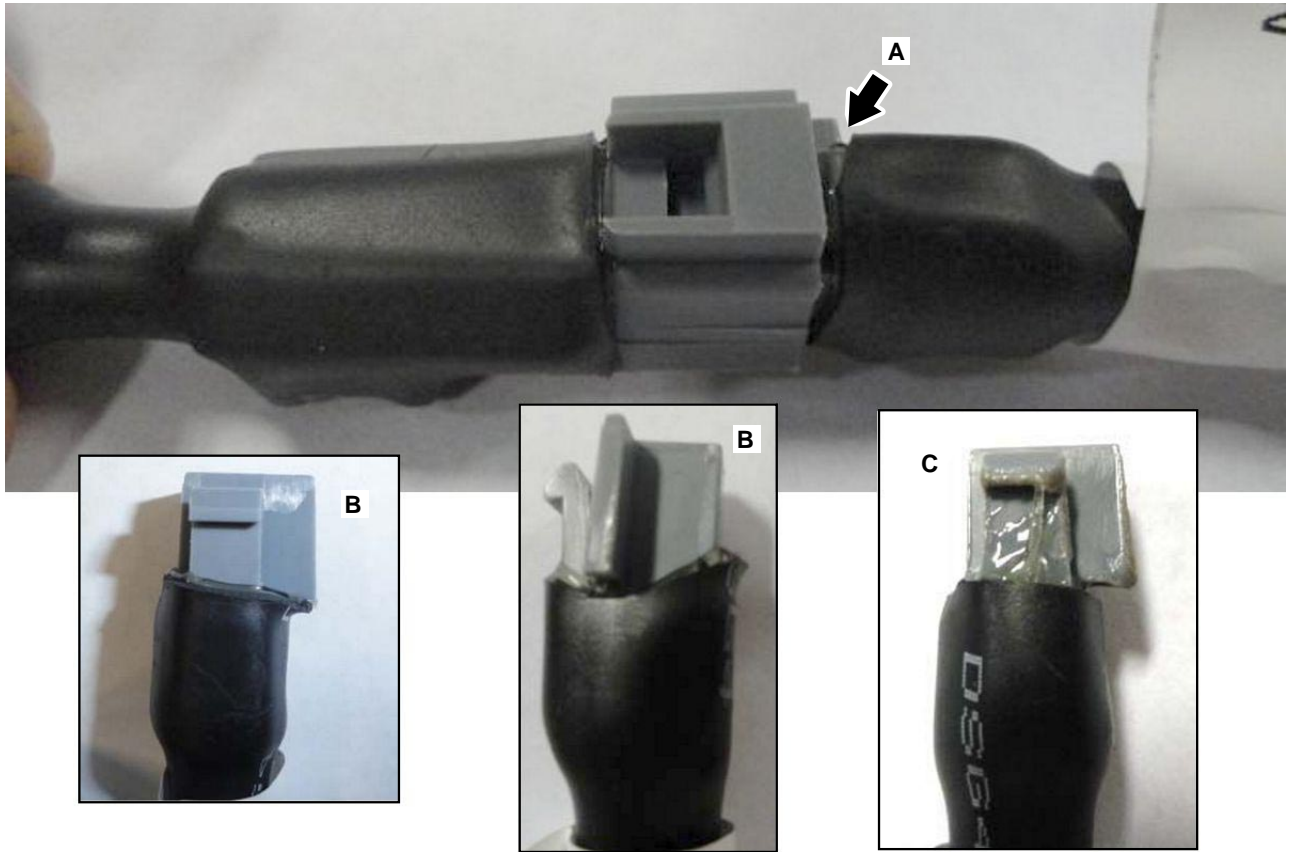
Fig. 1, Wiring Harness With Three Suspect Diode Jumpers

8. Complete steps 4-7 for all three diode jumpers.
9. Tape the diode jumpers on the wiring harness and place the assembly where it was found earlier.
10. If an access cover was opened or removed, close or install the cover.
11. Clean a spot on the base label (Form WAR259), write recall number FL634 on a red completion sticker (Form WAR260), and attach it to the base label.

Recall Campaign

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11/29/2012

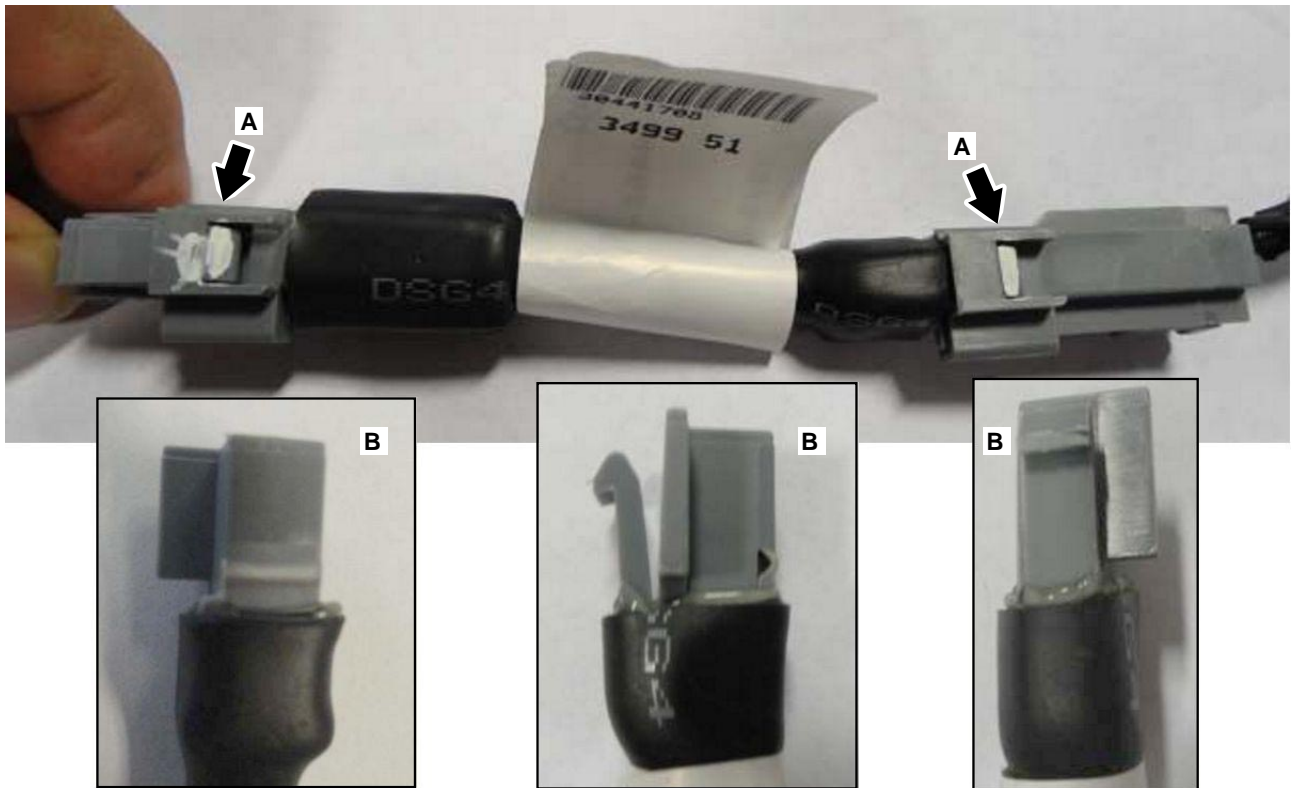
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A. The locking tab is not secure.

B. Heat shrink covers the locking tab.

C. Heat shrink with excessive amount of glue.

Fig. 2, Incorrect Diode Assembly



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A. The locking tab is secure.

B. The locking tab is not covered with heat shrink.

Fig. 3, Correct Diode Assembly