

# Recall Campaign

Daimler Trucks  
North America LLC

November 2009  
FL559A-C  
NHTSA #09V-376

## Work Instructions

### Subject: RollTek Side Roll Protection Systems

**Models Affected:** Specific Freightliner Cascadia model vehicles manufactured September 26, 2007, through June 16, 2008, with Indiana Mills & Manufacturing RollTek side-roll protection systems.

**IMPORTANT:** Exactly eight (8) RollTek modules require replacement. Kit orders must include the serial number of the module and the vehicle serial number. Kits may be ordered with a "Warranty order" and the freight may be included on claims without additional authorization. The freight invoice must be available upon request.

#### Safety Precautions

#### WARNING

**Do not attempt to modify the RollTek system. Doing so could change the effectiveness of the system. The RollTek system must be replaced after being activated. Failure to do so may result in personal injury or death.**

Damaged seat belts and tethers, or seat belts and tethers that were worn in an accident, must be replaced, and their anchoring points must be checked.

The RollTek system contains components with pyrotechnic inflator devices, which use combustible chemicals. The RollTek module and the air bags have inflators. Use care when replacing or handling these system components.

Although the RollTek system components will not likely explode, self-deploy, or produce shrapnel, care must be taken when it is necessary to replace or perform work around the components.

#### WARNING

**Do not attempt to deploy an undeployed pyrotechnic inflator device, such as the RollTek Rollover Protection module. Accidental or improper deployment can cause serious injury or death.**

**For disposition of an undeployed pyrotechnic inflator device, please contact LifeGuard Technologies (1-800-765-5835) for handling and forwarding instructions.**

For disposition of a deployed pyrotechnic inflator device, follow shop procedure for disposal of other non-salvageable vehicle components.

#### WARNING

**Damaged or deployed RollTek systems must be examined only by qualified personnel before any attempt is made to remove, replace, or handle the components. All intentional deployments and testing of the system should be performed by trained personnel. Unintentional or improper deployment of the RollTek system could cause severe bodily injury or death.**

**Do not attempt to service or to disassemble the RollTek module. The RollTek module cannot be serviced. Doing so could result in severe bodily injury or death.**

**Review and comply with the following list of warnings. Failure to do so could result in severe injury or death.**

- Do not cut, drill, braze, solder, weld, strike, or probe any part of the RollTek system.
- Keep all liquids, acids, halogens, heavy metals, and heavy salts away from the RollTek system.
- Do not attempt to adapt, reuse, or install a RollTek system in any vehicle other than the specific vehicle for which it is designed.
- Keep hands and tools away from the scissor points under the seats.
- Do not cut wires or tamper with the connectors between the vehicle wiring harness and the RollTek system. Cutting or removing the electrical connectors could cause unintentional deployment.
- Do not expose the RollTek system to electricity. Never probe a circuit.
- Store, transport, dispose, and recycle deployed RollTek system components in accordance with all applicable federal, state, and local regulations.
- Replace damaged seat belts, or seat belts that were worn in an accident, and check all anchoring points. Only qualified personnel familiar with RollTek systems should replace the seat belts used in a vehicle with a RollTek system.
- The RollTek system requires a special seat belt. Care must be taken to be sure the correct seat belt is used.
- The seat must be attached to the RollTek module and seat riser with the capscrews and spacers provided with the module.
- Do not connect electrical power to the RollTek module unless the module is securely mounted to the seat riser installed in the vehicle.

## RollTek Module Inspection and Replacement

### WARNING

Before attempting to service the RollTek system, read and comply with the precautions in this campaign. Failure to do so may result in severe injury or death.

1. Check the base label (Form WAR259) for a completion sticker for campaign FL559 (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 attached, no further work is needed. If a completion sticker is not attached, proceed to the next step.
2. Apply the parking brakes and chock the tires.
3. Locate the serial number on the driver side (all vehicles, FL559A-C) RollTek module, and verify whether it is one of the affected modules. See Fig. 1 and Table 3. Repeat this step on the passenger side of the vehicle, if applicable (FL559C only).

If the serial number is **not** listed in Table 3, no further work is needed. Clean a spot on the base label (Form WAR259), write recall number FL559 on a blank completion sticker (Form WAR260), and attach it to the base label.

If the serial number is listed in Table 3, below, continue with the next step.

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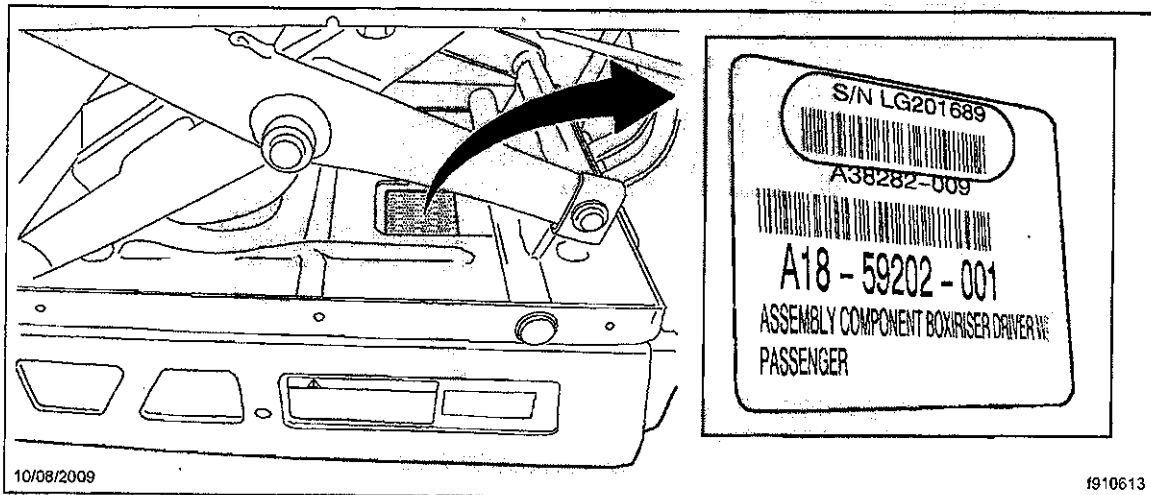


Fig. 1, RollTek Serial Number Location

Affected RollTek Modules		
Description	DTNA Part Number	Module Serial Number
RollTek, Driver-Side, with Front Air Bag	A18-59202-002	LG200093
RollTek, Driver-Side, with Front Air Bag	A18-59202-002	LG200094
RollTek, Driver-Side, No Air Bag	A18-59202-000	LG200171
RollTek, Driver-Side, with Front Air Bag	A18-59202-002	LG200177
RollTek, Driver-Side, No Air Bag	A18-59202-000	LG200179
RollTek, Driver and Passenger-Side, No Air Bag	A18-59202-001	LG200185
RollTek, Driver-Side, with Front Air Bag	A18-59202-005	LG200403
RollTek, Driver and Passenger-Side, No Air Bag	A18-59202-001	LG200454

Table 3, Affected RollTek Sensors

NOTE: The serial number shown in Fig. 1 is only an example. It is not an affected serial number.

- Lower the side window. In the event of an accidental deployment, an open window will prevent the pressure wave created by deploying air bags from damaging cab components.

## WARNING

Before removing the mounting capscrews from the RollTek module, be sure to disconnect the batteries and disconnect the wiring from the module. Failure to follow these precautions may result in the air bag(s) being unintentionally deployed, which could cause severe bodily injury or death.

5. Turn the battery disconnect switch to the OFF position (if so equipped). Disconnect the batteries and wait two minutes before proceeding.

**WARNING**

Wait two minutes after disconnecting the batteries to allow the internal components to discharge. Failure to allow the components to discharge could cause the air bag and pretensioner to deploy, resulting in severe bodily injury or death.

6. Raise the seat to its maximum position. If the seat is equipped with a seat shroud, remove or lift the shroud to access the RollTek module.
7. Remove the access panel from the back of the RollTek module. See Fig. 2.
8. Disconnect the wiring from the back of the RollTek module, including the connectors located behind the upholstery on the back of the seat. See Fig. 3.
9. Cut the tie strap that secures the pulldown-strap hook to the seat belt pretensioner cable. See Fig. 4.
10. Lower the seat to its mid-height position.

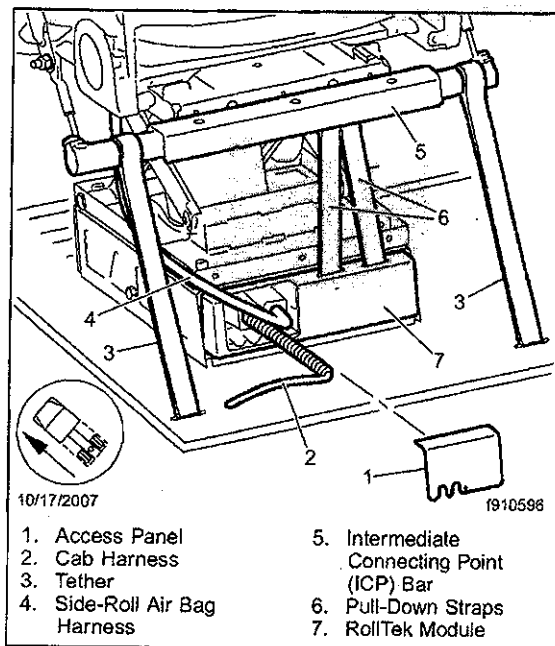


Fig. 2, RollTek Module Wiring Access

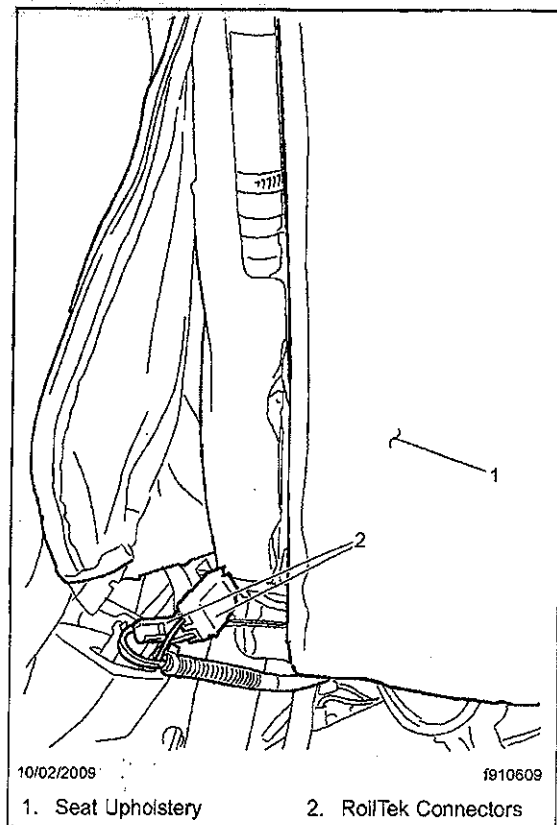


Fig. 3, RollTek Connectors Located Behind Seat Upholstery

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11. Unhook the pulldown straps from the seat belt pretensioner cable.
12. Raise the seat to its maximum height position.
13. Remove the four capscrews and spacers that attach the RollTek module to the seat and to the seat riser and the capscrew on each side of the riser. Slide the RollTek module forward, out of the seat riser. See Fig. 5.
14. Install the new RollTek module using the capscrews and spacers provided with the module. Make sure that the module is oriented correctly, with the arrow on the top pointed to the front of the vehicle, and that the mounting surface is flat, with no foreign objects inside the riser. Tighten the capscrews 16 to 18 lbf-ft (22 to 24 N·m).

## WARNING

Before attaching the wiring to the RollTek module and before connecting the batteries, be sure to attach and tighten the mounting capscrews to the RollTek module. Failure to follow these precautions may result in the air bag(s) being unintentionally deployed, which could cause personal injury or property damage.

15. Lower the seat to its mid-height position.
16. Hook the pulldown straps to the seat belt pretensioner cable. See Fig. 6.
17. Secure the hook to the pretensioner cable with a tie strap. See Fig. 4.
18. Raise the seat to its maximum height position.
19. Connect the wiring to the RollTek module, and place the connectors inside the recess on the back of the module.
20. Secure the seat air line with a tie strap to prevent entanglement in the seat suspension. See Fig. 7.
21. Install the access panel over the recess on the back of the RollTek module.
22. Lower the seat. If the seat is equipped with a seat shroud, install or lower the shroud.
23. Repeat this procedure on the RollTek module installed on the passenger side of the vehicle, if applicable (FL559C only).

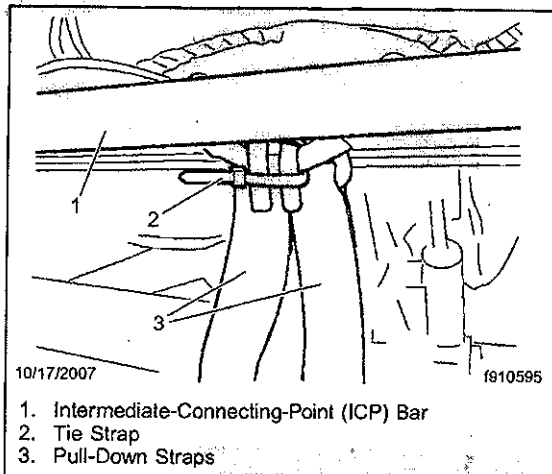


Fig. 4, Pulldown-Strap Hook

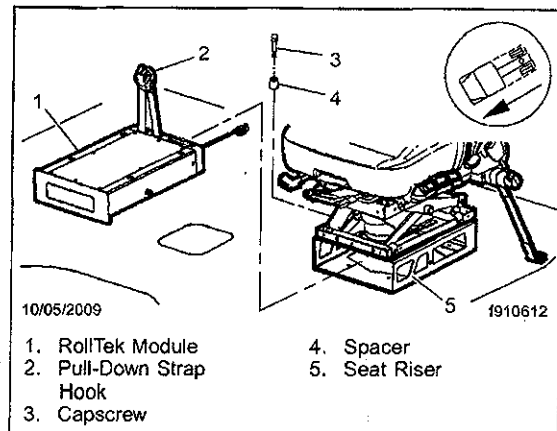


Fig. 5, RollTek Module Installation

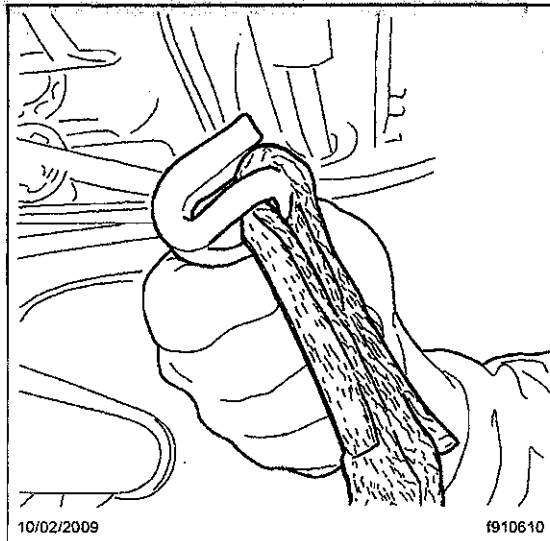


Fig. 6, Pulldown Strap Installation

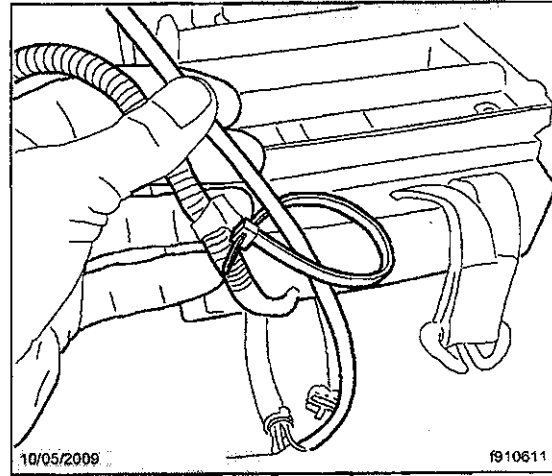


Fig. 7, Securing the Air Lines with a Tie Strap

24. Connect the batteries. Turn the battery disconnect switch (if so equipped) to the ON position.
25. Verify that no one is in the cab and, while standing outside the cab and clear of the driver's seat, turn the ignition key to the ON position for a few seconds, then turn it to the OFF position.

NOTE: Do not turn the ignition key past the ON position to START.

26. Follow the diagnostic procedure to test for proper installation; see the *Cascadia Troubleshooting Manual*, **C07.08—Air Bag and Rollover Protection System**.
27. Clean a spot on the base label (Form WAR259), write recall number FL559 on a blank completion sticker (Form WAR260), and attach it to the base label.

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## Copy of Letter to Owner

### Subject: RollTek Side Roll Protection Systems

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. This notice is also sent in accordance with the Canadian Motor Vehicles Safety Act.

Daimler Trucks North America LLC, on behalf of its Freightliner Trucks Division, has decided that a defect that relates to motor vehicle safety exists on specific Freightliner Cascadia model vehicles manufactured September 26, 2007, through June 16, 2008, with Indiana Mills & Manufacturing RollTek side-roll protection systems.

The roll sensor designed to detect vehicle pitch and control the deployment of the system's seatbelt pretensioner and side air bag may have a manufacturing defect. A defective sensor may cause the system to deploy inadvertently, resulting in possible personal injury.

The sensors will be inspected and replaced as needed.

Parts are now available for authorized dealers to order. Please note that your vehicle requires an inspection to determine if a replacement part is needed. Replacement parts must be ordered after your vehicle is inspected. Contact your authorized dealer to arrange to have the recall performed. To locate a dealer, search online at [www.FreightlinerTrucks.com](http://www.FreightlinerTrucks.com) or contact the Warranty Campaigns Department for assistance.

When you contact your dealer, refer to campaign number **FL559A-C**. Once kit(s) are received at the dealership, the Recall will take approximately half an hour to an hour plus shipping time for replacement parts, depending on the work needed, and will be performed at no charge to you.

**IMPORTANT:** When the Recall has been completed, please ensure that a label has been affixed to your vehicle referencing **FL559A-C**.

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.

If you are not able to have the defect remedied without charge and within a reasonable time, which is not longer than 60 days after you tender the vehicle for repair, 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](mailto:DTNA.Warranty.Campaigns@Daimler.com), or the Customer Assistance Center at (800) FTL-HELP or (800) STL-HELP, after normal business hours. You may also 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>. If your vehicle is involved in the Canadian portion, you may wish to notify Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa, ON K1A 0N5, 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

**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.