

# Recall Campaign



February 2006  
FL464B  
NHTSA #05V-541

## Copy of Letter to Owner

### Subject: Fontaine Modification Sit Down, Dual Drive Bolts

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

Freightliner LLC, on behalf of its Freightliner Trucks Division, has decided that a defect which relates to motor vehicle safety exists on specific Freightliner Business Class M2 vehicles manufactured between August 2004 and October 2005 with a right-hand drive position added by Fontaine Modification.

The left-hand steering U-joint pinch bolt that secures the lower steering shaft to the left-hand miter box may have been improperly tightened. Incorrect hardware may have been used to install the steering cross shaft. Loss of a steering shaft pinch bolt or of a cross shaft fastener may cause a loss of steering control and possible vehicle crash without prior warning.

The lower steering shaft pinch bolt and the through bolts on the steering cross shaft will be replaced.

Repair kits are now available for authorized dealers to order. Contact your authorized dealer to arrange to have your vehicle(s) modified and to assure that parts are available at the dealer. To locate a dealer, search online at [www.Freightliner.com](http://www.Freightliner.com) or contact the Warranty Campaigns Department for assistance.

When you contact your dealer, refer to campaign number **FL464B**. Once kit(s) are received at the dealership, the modification will take approximately an hour and a half 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 **FL464B**.

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, please make sure this notification is immediately forwarded to the lessee.

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 [WarrantyCampaigns@freightliner.com](mailto:WarrantyCampaigns@freightliner.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, 400 7th Street S.W., Washington, D.C. 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

## Work Instructions

### Subject: Fontaine Modification Sit Down, Dual Drive Bolts

**Models Affected: Specific Freightliner Business Class M2 vehicles manufactured between August 2004 and October 2005 with a right-hand drive position added by Fontaine Modification.**

#### Replacement Procedure

**IMPORTANT:** FL464A (the pre-recall inspection) has been superseded by FL464B. All work will continue under FL464B. All involved vehicles require FL464B, even those that have had FL464A performed.

**NOTE:** This recall affects a small number of vehicles. Please do not over-order kits.

Check the base label (Form WAR259) for a completion sticker for FL464 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 further work is needed. If there is no completion sticker, proceed with the following instructions.

Park the vehicle on a level surface. Shut down the engine, set the parking brake, and chock the tires.

#### Left-Hand Steering Position

1. Remove the steering-column covers from the left-hand steering column.

**Tilt Column:** Remove the screws that attach the lower and upper clamshell covers to the steering column, and remove the covers. Remove the screws that attach the center and lower covers to the steering column, and remove the covers. Retain the screws for reinstalling the covers. See **Fig. 1**.

**Fixed Column:** Remove the screws that attach the lower and upper clamshell covers to the steering column, and remove the covers. Retain the screws for reinstalling the covers. See **Fig. 2**.

2. Locate the steering pinch bolt that connects the intermediate shaft to the 3-way gear box. See **Fig. 3**. Remove the steering pinch bolt and nut then discard them.

---

### CAUTION

---

**Take care that the steering intermediate shaft does not become disconnected from the 3-way gear box. If it does, the steering wheel may no longer be centered at the completion of this repair.**

3. Install the pinch bolt and prevailing torque nut from the kit. Tighten the nut to 30 to 35 lbf-ft (40 to 45 N·m).
4. Locate the two through bolts on the steering cross-shaft U-joint, that connects the 3-way gear box on the left side, to the cross shaft. See **Fig. 4**. Remove both of the through bolts, and replace them with two 3/8-inch x 2.25-inch bolts and 3/8-inch stover nuts from the kit. Tighten the nuts to 30 to 35 lbf-ft (40 to 45 N·m).
5. Install the left-hand steering column covers.

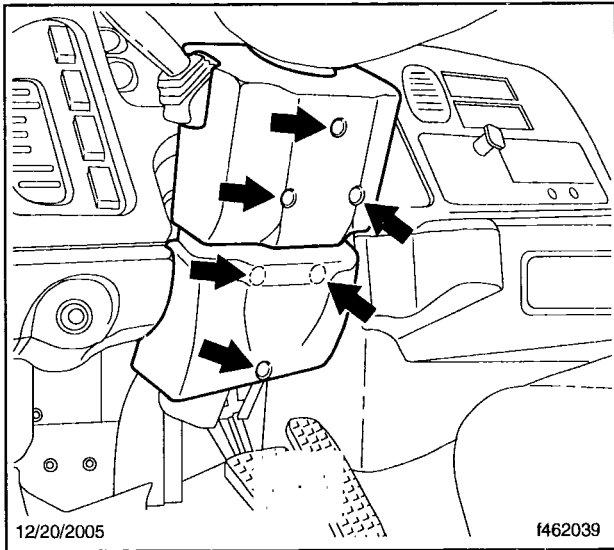
**Tilt Column:** Using the three screws, attach the lower and center steering column covers to the steering column. Using three screws, attach the upper and lower clamshell covers to the steering column.

**Fixed Column:** Attach the lower and upper clamshell covers to the steering column.

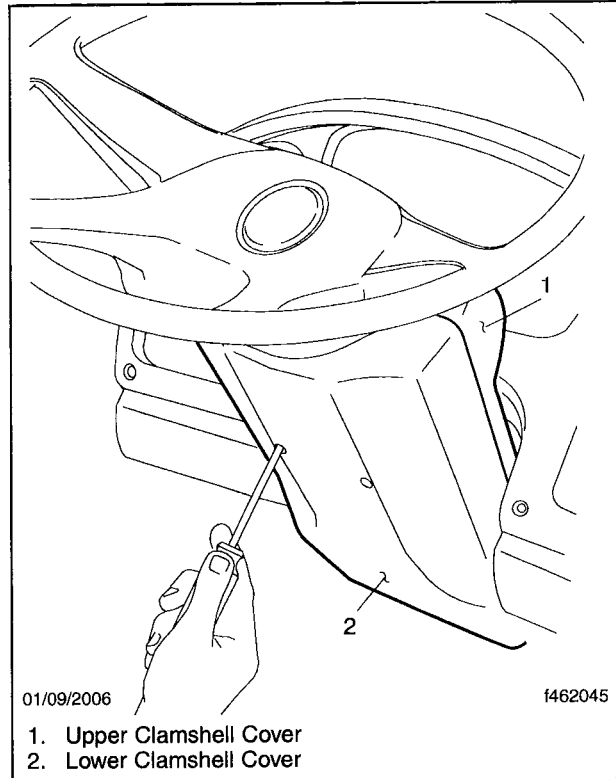
6. Proceed to the steps for the right-hand steering position.

# Recall Campaign

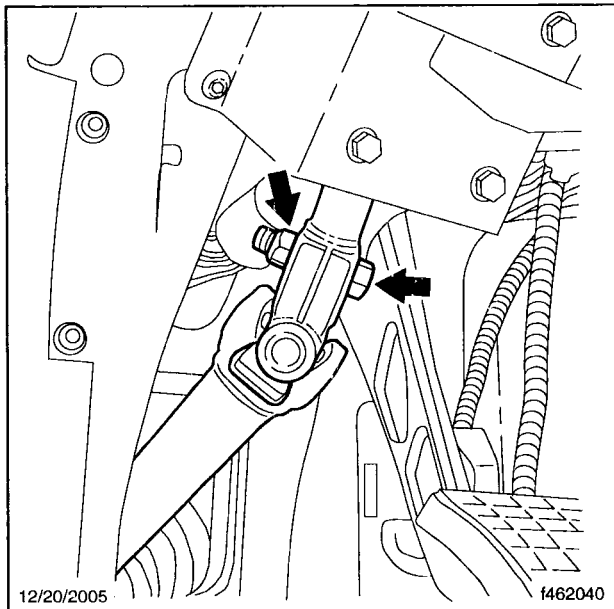
February 2006  
 FL464B  
 NHTSA #05V-541



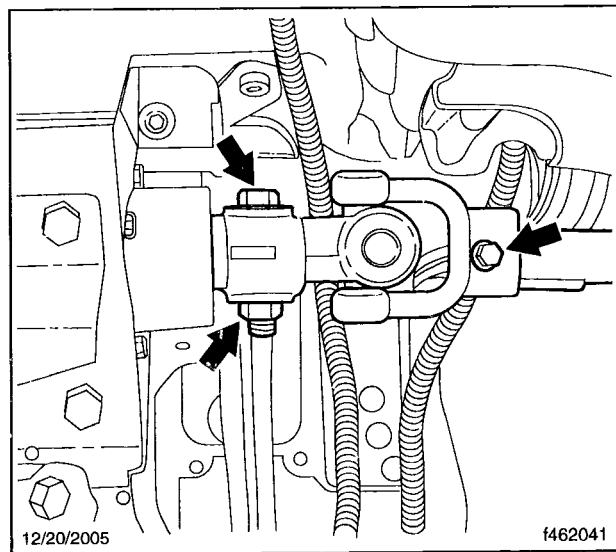
**Fig. 1, Tilt Column Cover Mounting Screws**



**Fig. 2, Fixed Column Covers**



**Fig. 3, Pinch Bolt on Intermediate Shaft, Left-Hand Side**



**Fig. 4, Through Bolts on Cross Shaft, Left-Hand Side**

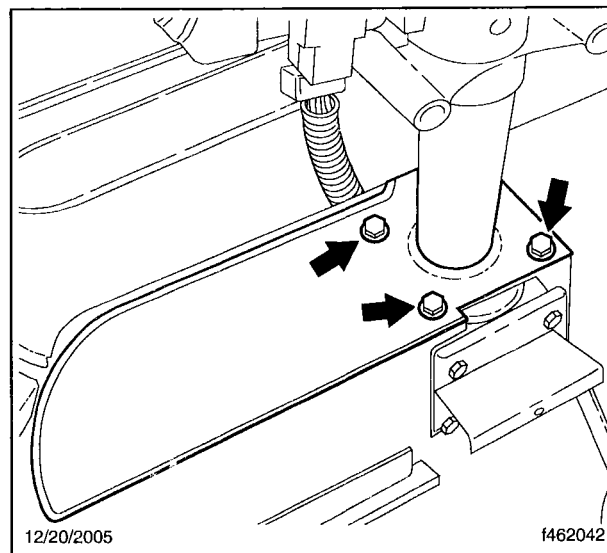
## Right-Hand Steering Position

1. Remove the steering-column covers from the right-hand steering column.

Tilt Column: Remove the screws that attach the lower and upper clamshell covers to the steering column, and remove the covers. Remove the screws that attach the center and lower covers to the steering column, and remove the covers. Retain the screws for reinstalling the covers.

Fixed Column: Remove the screws that attach the lower and upper clamshell covers to the steering column, and remove the covers. Retain the screws for reinstalling the covers.

2. Remove the three bolts on the steering cross-shaft cover, and remove the cover. Retain the bolts for reinstalling the cover. See **Fig. 5**.
3. Inspect for the following two conditions on the steering cross-shaft U-joint that connects the 2-way gear box to the cross shaft:



**Fig. 5, Cross-Shaft Cover Bolts**

- 3.1 If one through bolt is observed:

Remove the through bolt and replace it with a 3/8-inch x 2.25-inch bolt and 3/8-inch stover nut from the kit. Tighten the nut to 30 to 35 lbf-ft (40 to 45 N·m).

Locate the setscrew in the cross-shaft U-joint yoke (in some cases the setscrew is positioned 90 degrees from the keyway position). Remove the setscrew, then using the hole as a drill guide, carefully drill a 3/8-inch hole through the cross shaft. See **Fig. 6**.

Using a metal file, remove any burrs caused by drilling.

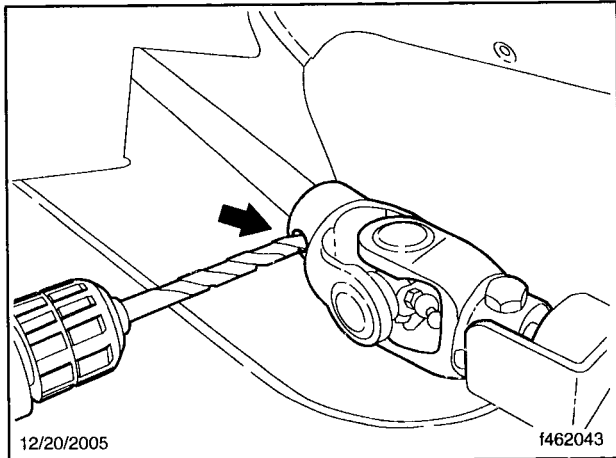
Install the supplied 3/8-inch x 2.25-inch bolt, and 3/8-inch stover nut. Tighten the nut to 30 to 35 lbf-ft (40 to 45 N·m).

# Recall Campaign

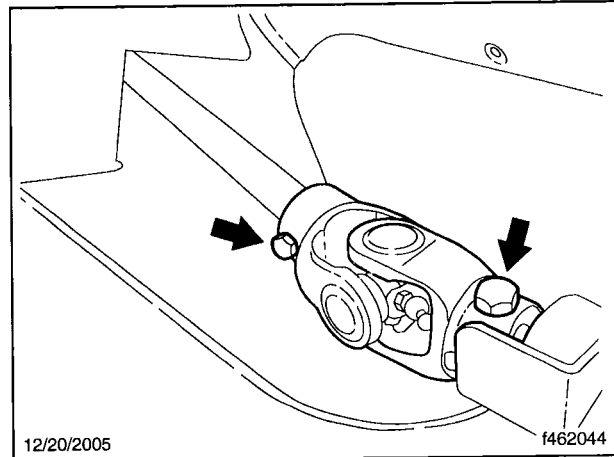
February 2006  
FL464B  
NHTSA #05V-541

3.2 If two through bolts are observed:

Remove the through bolts and replace them with two 3/8-inch x 2.25-inch bolts and 3/8-inch stover nuts from the kit. Tighten the nuts to 30 to 35 lbf-ft (40 to 45 N·m). See **Fig. 7**.



**Fig. 6, Cross Shaft with One Through Bolt, Right-Hand Side**



**Fig. 7, Cross Shaft With Two Through Bolts, Right-Hand Side**

4. Install the cross-shaft cover.
5. Install the right-hand steering-column covers.
6. Clean a spot on the base label (Form WAR259). The base label is usually located on the passenger-side door about 12 inches (30 cm) below the door latch. Attach a completion sticker (Form WAR260) for recall FL464 to the base label.
7. Remove the chocks from the tires.