

RECEIVED

**FREIGHTLINER**  
CORPORATION

A DaimlerChrysler Company

AUG 16 PM 1:30  
OFFICE  
DEFECTS INVESTIGATION

DATE: August 9, 1999

Gary W. Rossow  
Director  
Government Technical Affairs

Freightliner Corporation  
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Office of Defects Investigation, Room 5326  
National Highway Traffic Safety Administration  
400 Seventh St., S.W.  
Washington, D.C. 20590

Attn: Jonathan D. White

Subject: Information Report, NHTSA No. 99V-172

In accordance with Title 49, Part 573, Freightliner Corporation herewith submits an information report supplying supplemental information and copies of documents distributed to dealers and purchasers.

Sincerely,



Gary W. Rossow

Cc: Michael Mason, CAL-OSHA

Certified Mail No. P 335 882 638

## **Section 573.5 Defect Information Report**

### **Supplement No.: 1**

**Date:** August 9, 1999

**(c) (1) Manufacturer:** FREIGHTLINER CORPORATION  
P.O. BOX 3849  
Portland, Oregon 97208  
(503) 735-8078

**(c) (3) Total Number of Vehicles Potentially Affected:** (revised to read) 228

**(c) (9) Communications Sent to Dealers and Owners**

Owner notification began on 7/17/99 and was completed 7/17/99.

**(c) (11) Manufacturer's Campaign Number:** FL 241



A Division of **FREIGHTLINER**  
CORPORATION

99V-172

Alliance  
P.O. Box 4090  
Portland, OR 97208-4090  
800.547.0712 Phone  
503.735.7416 Fax

## Recall Campaign Information

July 1999

**Attention:** Service Manager  
Warranty Manager  
Parts Manager  
Freightliner Field Personnel  
Internal Distribution

**Subject:** TuffTrac suspension Axle Clamps  
FL241A-J U.S.  
FC241A-J Canada

Attached is a copy of the Recall Bulletin dated July 1999 which will replace any previous copies, and an updated page for your index.

There are approximately 214 vehicles involved in this campaign.

Please replace the index and add the bulletin to your Recall Binder.

**ALLIANCE WARRANTY OPERATIONS (RECALL)**

Attachments



A Division of **FREIGHTLINER**  
CORPORATION

## Recall Bulletin Index (July 1999)

Campaign No.		Subject
U.S.	Canadian	
FL172A		GKN Front Axle Knuckle Assemblies (Revised Edition)
FL174A	FC082A	Seat Belt Anchor Washers
FL175A-K	FC083A-K	Front Brake Chambers Mounted on Rockwell Foundation Brakes (Revised Edition)
FL176A		Aftermarket Parts Only
FL177A	FC086A	Muffler Mounting Brackets
FL178A	FC085A	Rockwell/WABCO Air Dryer
FL179A	FC087A	Steering Axle Tie Rod Ball Joint Nuts
FL180A	FC088A	Swing-Out Side Windows (Revised Edition)
FL181B	FC089B	Mechanical Parking Brake Lever (Revised Edition)
FL182AB	FC090AB	Air Reservoirs (Revised Edition)
FL183A	FC091A	Phillips Gladhand Fasteners
FL184A	FC092A	Brake Spider Bolts
FL185A - FL197A	FC093A - FC104A	Freightliner Custom Chassis Corporation Bulletins to be released at a later date
FL196A		Air Line Interference with Hydraulic Lines (FCCC)
FL198A		Upper Bunk Support Brackets
FL199A	FC105A	Neway AD Type Suspension (Distributed by Neway)
FL200A	FC106A	Steering Column Tilt/Telescoping Mechanism
FL201A	FC107A	To be released at a later date
FL202A	FC108A	Relay Replacement, and Cab/Roof Seam and Antenna Mounting Stud(s) Sealing
FL203A	FC109A	Cruise Control Disengagement (FCCC)
FL204A	FC110A	Crossmember-Track Bar Interference with Tie Rod (FCCC)
FL205AB	FC111AB	Fan Clutch Disc Replacement (Revised Edition)
FL206A	FC112A	Eaton Drive Axles with Axl-Lok <sup>®</sup> Spindle Nuts
FL207A	FC115A	Midland Park Brake Spring Chamber (FCCC)
FL208A	FC113A	Non-Compliance of B-Pillar Anchorage
FL209A	FC114A	Foot Brake Valve Adapter
FL210AD	FC116AD	Transmission Shift Control (FCCC)
FL211A		To be released at a later date
FL212AD	FC117AD	Steering Shaft Slip Spline
FL213A	FC119A	Rear Brake Calipers Contacting the Spring Seat (FCCC)
FL214A		Grote Turn Signal Switch
FL215A	FC118A	Parking Brake on Allison 500 Series Transmission (Revised Edition) (FCCC)
FL216A	FC120A	Front Axle Hub Flange



A Division of **FRISCHMANN**  
CONSTRUCTION

## Recall Bulletins Index (July 1999)

Campaign No.		Subject
U.S.	Canadian	
FL217A		Non-Compliance Antilock Power Circuit for Towed Vehicles
FL218A-E	FC121A-E	Incorrect Tire Weight Ratings
FL218A	FC122A	Hydraulic Parking Brake Relay Valve (FCCC)
FL220A	FC125A	Non-Compliance of Seat Belt Anchorage (ALF)
FL221A-D	FC126A-D	Non-Compliance of Brake Release Timing (ALF)
FL222A	FC123A	Fan Blades on Business Class Vehicles
FL223AC	FC124AC	Meritor RPL Driveline U-Joints (Superseded by FL223DEF/ FC124DEF)
FL223DEF	FC124DEF	Meritor RPL Driveline U-Joints (Second Revised Edition)
FL224A		Non-Compliance of Air Reservoir Volume
FL225AB	FC127AB	FC 921 Front Axle Knuckles
FL226AB	FC128AB	Non-Compliance of Door Hinge Fasteners
FL227A		Non-Compliance of Emergency Brake Systems
FL229ABC	FC130ABC	MT35 Throttle Return Springs
FL231ABC	FC131ABC	Meritor Automatic Slack Adjusters
FL232A		Bendix ABS Plumbing
FL233A	FC233A	To be released
FL234A	FC234A	To be released
FL235A	FC235A	To be released
FL236A	FC236A	To be released
FL237A	FC237A	Business Class Steering Column Welds
FL241A-J	FC241A-J	TuffTrac suspension Axle Clamps



# Recall

July 1988  
FL241A-J U.S.  
FC241A-J Canada

## Subject: TuffTrac Suspension Axle Clamps

**MODELS AFFECTED:** Certain Freightliner and Sterling vehicles equipped with TuffTrac suspensions.

### GENERAL INFORMATION

Freightliner Corporation has determined that a defect which relates to motor vehicle safety exists on the above mentioned vehicles.

There are approximately 214 vehicles involved in this campaign.

In the affected assemblies the upper axle clamp can fracture. This condition may occur as a result of a defective casting in the upper axle clamp position on the TuffTrac Suspension Axle Clamps. Failure of an axle clamp could present a possible risk to motor vehicle safety. Separation of the axle clamp could, without prior warning, lead to loss of vehicle control and result in a possible vehicle crash.

The modification consists of replacing the axle clamp assembly.

### WORK INSTRUCTIONS

Please refer to the attached work instructions.

### REPLACEMENT PARTS

Replacement kits are now available, and can be obtained by ordering the kit number(s) listed below from your facing Parts Distribution Center.

If your dealership has ordered any vehicle(s) involved in campaign number FL241A-J/FC241A-J, a computer listing of the customers and vehicle identification numbers will be enclosed. Please refer to this list when ordering parts for this recall.

Refer to Table 1 for replacement kit(s).

#### 25-FL241-000 (Condition Code A & B)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241AB/FC241AB	25-FL241-000	Upper Axle Clamp	11-22804-000	4	\$781.13 U.S. \$1,306.70 CAN
		Lower Axle Retainer Rear w/o Shock	11-22813-000 or 11-22016-000	2	
		Lower Axle Retainer Fwd w/ Shock	11-22814-000 or 11-22017-000	2	
		U-Bolt	11-18895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrch. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Recall Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 1



A Division of FRENCHMAN INCORPORATED

# Recall

Recall Bulletin

July 1999  
 FL241A-J U.S.  
 FC241A-J Canada

## 25-FL241-001(Condition Code C & D)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241CD/FC241CD	25-FL241-001	Upper Axle Clamp	11-22804-001	4	\$1,078.51 U.S. \$1,847.91 CAN
		Lower Axle Retainer Rear w/o Shock	11-22813-001 or 11-22016-001	2	
		Lower Axle Retainer Fwd w/Shock	11-22814-001 or 11-22017-001	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrdn. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 2

## 25-FL241-002 (Condition Code E)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241E/FC241E	25-FL241-002	Upper Axle Clamp	11-22804-000	4	\$871.34 U.S. \$1,495.49 CAN
		Lower Axle Retainer Rear w/Shock	11-22815-000 or 11-22079-000	2	
		Lower Axle Retainer Fwd w/Shock	11-22814-000 or 11-22017-000	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrdn. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 3

## 25-FL241-003 (Condition Code F)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241F/FC241F	25-FL241-003	Upper Axle Clamp	11-22804-001	4	\$863.38 U.S. \$1,489.91 CAN
		Lower Axle Retainer Rear w/Shock	11-22815-001 or 11-22079-001	2	
		Lower Axle Retainer Fwd w/Shock	11-22814-001 or 11-22017-001	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrdn. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 4



ALLIANCE

A Division of FREIGHTLINER CORPORATION

## Recall Bulletin

## Recall

July 1999  
FL241A-J U.S.  
FC241A-J Canada

## 25-FL241-004 (Condition Code G)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241G/FC241G	25-FL241-004	Upper Axle Clamp LH	11-22805-000	2	\$761.13 U.S. \$1,306.70 CAN
		Upper Axle Clamp RH	11-22805-001	2	
		Lower Axle Retainer Rear w/o Shock	11-22813-000 or 11-22016-000	2	
		Lower Axle Retainer Fwd W/Shock	11-22814-000 or 11-22017-000	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	18	
		Washer Hrdn. .68x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 5

## 25-FL241-005 (Condition Code H)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241H/FC241H	25-FL241-005	Upper Axle Clamp LH	11-22805-002	2	\$1,280.04 U.S. \$2,197.60 CAN
		Upper Axle Clamp RH	11-22805-003	2	
		Lower Axle Retainer Rear w/o Shock	11-22813-001 or 11-22016-001	2	
		Lower Axle Retainer Fwd W/Shock	11-22814-001 or 11-22017-001	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	18	
		Washer Hrdn. .68x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 6



A Division of FRIEGELTOWER CORPORATION

# Recall

Recall Bulletin

July 1999  
 FL241A-J U.S.  
 FC241A-J Canada

## 25-FL241-006 (Condition Code I)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241J/FC241J	25-FL241-006	Upper Axle Clamp LH	11-22805-004	2	\$1,268.92 U.S. \$2,212.80 CAN
		Upper Axle Clamp RH	11-22805-005	2	
		Lower Axle Retainer Rear w/o Shock	11-22813-002 or 11-22018-002	2	
		Lower Axle Retainer Fwd w/Shock	11-22814-002 or 11-22017-002	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrdn. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 7

## 25-FL241-007 (Condition Code J)

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL241J/FC241J	25-FL241-007	Upper Axle Clamp LH	11-22805-000	2	\$871.34 U.S. \$1,495.48 CAN
		Upper Axle Clamp RH	11-22805-001	2	
		Lower Axle Retainer Rear w/o Shock	11-22815-000 or 11-22079-000	2	
		Lower Axle Retainer Fwd w/Shock	11-22814-000 or 11-22017-000	2	
		U-Bolt	11-19895-000	8	
		Nut, HI, 5/8-18	23-00481-005	16	
		Washer Hrdn. .89x1.31x.177	23-09114-000	32	

\* Please charge all Direct Warranty Customers the above listed price for the kit, as they are authorized to perform their own Recall Modifications.

Table 8

## REMOVED PARTS

Please follow the Warranty Failed Parts Tracking shipping instructions for the disposition of all removed parts.

## LABOR ALLOWANCE

Refer to Table 9 for labor allowance.

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Damage Code
FL241A-J/FC241A-J	F/R Axle Clamps & Retainers	5.7	896-0307A	000-Modifiedx

Table 9

**IMPORTANT:** When the modification has been completed, clean a spot on the passenger door jamb and attach a completion sticker (Form W-147), referencing the modification number and date the work was performed.



July 1999  
FL241A-J U.S.  
FC241A-J Canada

## CLAIMS FOR CREDIT

You will be reimbursed for your parts, labor and handling by submitting your claim through the Alliance Warranty system. Please reference FL241A-J/FC241A-J in the FSDOC field and 25-FL241-000 in the primary failed part number field on each claim. All modification parts used must be listed on the claim as the kit number shown in the Replacement Part Tables.

**NOTE:** ServicePro®/Service Advisor® must be viewed prior to performing the modification to ensure the vehicle is involved and the modification has not been previously completed. Also, it is important to check for a completion sticker prior to performing the modification.

Freightliner provides the following methods to determine if a vehicle is involved in any campaigns:

1. On-line Service Advisor®
2. On-line ServicePro®
3. Contact the Alliance Recall Department at 1-800-547-0712, from 7:00 a.m. to 3:30 p.m., Pacific Time, or the Alliance Customer Assistance Center at 1-503-735-7877 after normal business hours, if you have any questions or need additional information.

Return excess kit inventory related to this campaign to the Memphis PDC.

The letter notifying vehicle owners is included for your reference.

Please note that the National Traffic and Motor Vehicle Safety Act, as amended, (49 USC) 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 90 days after tender for repair shall be prima facie evidence of an unreasonable time. However, circumstances of a particular situation may reduce the 90 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. Also, any lessor is required to send a copy of the recall notification to the lessee.

Finally, the Act states that a remedy need not be provided without charge if the vehicle was bought by the first purchaser more than eight (8) calendar years before notice is given.

**ALLIANCE WARRANTY OPERATIONS (RECALL)**



A Division of **FREIGHTLINER CORPORATION**

# Recall

Recall Bulletin

July 1999  
FL241A-J U.S.  
FC241A-J Canada

## Copy of Letter to Owner Subject: TuffTrac Suspension Axle Clamps

Dear Freightliner or Sterling Owner:

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

A defect which relates to motor vehicle safety exists on the following vehicles: Certain Freightliner and Sterling vehicles equipped with TuffTrac suspensions.

In the affected assemblies, the upper axle clamp can fracture. This condition can occur as a result of a defective casting in the upper axle clamp position on the TuffTrac suspension. Failure of an axle clamp could present a possible risk to motor vehicle safety. Separation of the axle clamp could lead to loss of vehicle control. This could, without prior warning, result in a possible vehicle crash.

The modification consists of replacing the axle clamp assembly.

You should immediately contact your Freightliner dealer to arrange to have your vehicle(s) modified. When you contact your dealer, reference campaign number FL241A-J/FC241A-J. The kits are now available to Freightliner dealers to complete the modification. Please allow approximately 5.7 hours to have this modification completed. This modification will be performed at no charge to you.

**IMPORTANT:** When the modification has been completed on your vehicle, please ensure that a sticker has been affixed on the passenger's door jamb, referencing FL241A-J/FC241A-J and the date the work was performed.

If you do not own the vehicle that corresponds to the identification number(s) which appear on the Recall Notification, please return the notification to the Alliance Recall 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 unable to have the defect remedied without charge and within a reasonable time after you tender the vehicle for repair, please contact the Alliance Recall Department, at 1-800-547-0712, 7:00 a.m. to 3:30 p.m., Pacific Time, or the Alliance Customer Assistance Center, at 1-800-FTL-HELP after normal business hours. You may also wish to notify the Administrator, National Highway Traffic Safety Administration, 400 7th Street S.W., Washington, D.C. 20590, or phone 1-800-424-9393. If your vehicle is involved in the Canadian portion, you may notify the Manager, Recall and Public Compliance, Road and Motor Vehicle Traffic Safety Branch, Transport Canada, Ottawa, Ontario, or phone (813) 993-9851.

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

ALLIANCE WARRANTY OPERATIONS (RECALL)

Enclosure

## Work Instructions

### Subject: TufTrac Suspension Axle Clamps

**MODELS AFFECTED:** Certain Freightliner and Sterling vehicles equipped with TufTrac suspensions.

#### AXLE CLAMP REPLACEMENT (See Fig. 1)

1. Park the vehicle on a level surface, shut down the engine, and check the tires. Check the passenger's side door jamb for a completion sticker (Form W-147). If a sticker is not found, proceed to the next step.  
 If the completion sticker is found, no further work is necessary. Remove the chocks.
2. Remove the two upper spring tip pads and bolts from the left suspension spring.
3. Disconnect the shock absorbers from the lower axle retainer on the left suspension spring.
  - 3.1 Remove the lower shock mounting nuts and washers.
  - 3.2 Remove the lower shock absorber mounting bolts.
4. Disconnect the two lower torque control rods from the lower axle retainers on the left side of the vehicle.
5. Loosen and remove the U-bolt nuts and washers, and discard.

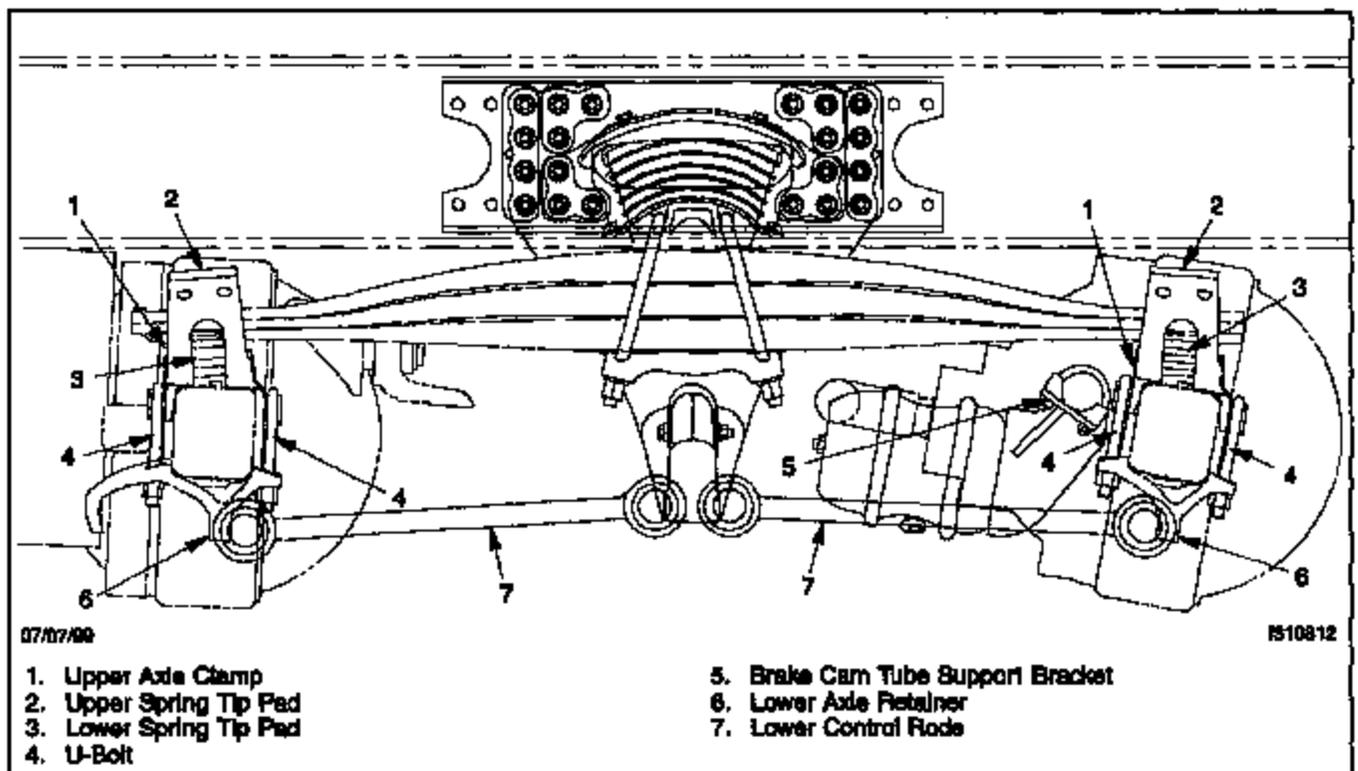


Fig. 1, TufTrac Suspension (driver's-side view)



# Recall

July 1999  
FL241A-J U.S.  
FC241A-J Canada

6. Remove the brake cam tube support bracket from the left rear axle.
  7. Remove the lower axle retainers from the left forward and left rear drive axles, and discard.
  8. Remove the axle U-bolts from the left forward drive axle and the left rear drive axle, and discard.
  9. Jack up the center of the left suspension spring (at the center bearing, between the tandem [Fig. 2]) and support with the jack stands at the frame. Make sure that all of the weight has been relieved from the axle clamp group and that there is sufficient clearance to remove the upper axle clamp.
  10. Remove the lower spring tip pads from the left forward and left rear drive axles.
  11. Remove the upper axle clamps from the left forward and left rear drive axles. Discard the clamps.
  12. Install the new upper axle clamps from the applicable Recall kit to the left forward and left rear drive axles. Locate the dowel pin through the hole in the bottom of each axle clamp to confirm proper alignment.
- NOTE:** Confirm that you are installing the correct upper axle clamps before continuing. You are able to visually identify the new upper axle clamp because the step has been removed from the area directly above the ears. See Fig. 3. Confirm that you have the correct new part number using Table 10 for Freightliner products and Table 11 for Sterling products.
13. Install the lower spring tip pads into the left front and rear axle clamps.
  14. Jack up the left suspension spring, remove the jack stands, and lower the suspension spring. Ensure while the spring is being lowered that it is seated correctly onto the lower spring tip pads.

Upper Axle Clamp Part Numbers (Freightliner products)			
If you have this axle clamp part number on the vehicle...	You should have this axle clamp part number in the Recall kit	Description	Qty
11-20614-000	11-22804-000	CLAMP-AXLE, UPPER, TUFTRAC	4
11-20614-001	11-22804-001	CLAMP-AXLE, UPPER, TUFTRAC	4

Table 10, Upper Axle Clamp Part Numbers (Freightliner products)

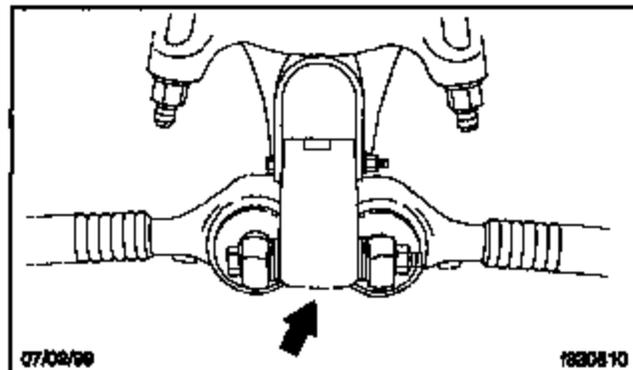


Fig. 2, Jack the Vehicle Here

July 1998  
FL241A-J U.S.  
FC241A-J Canada

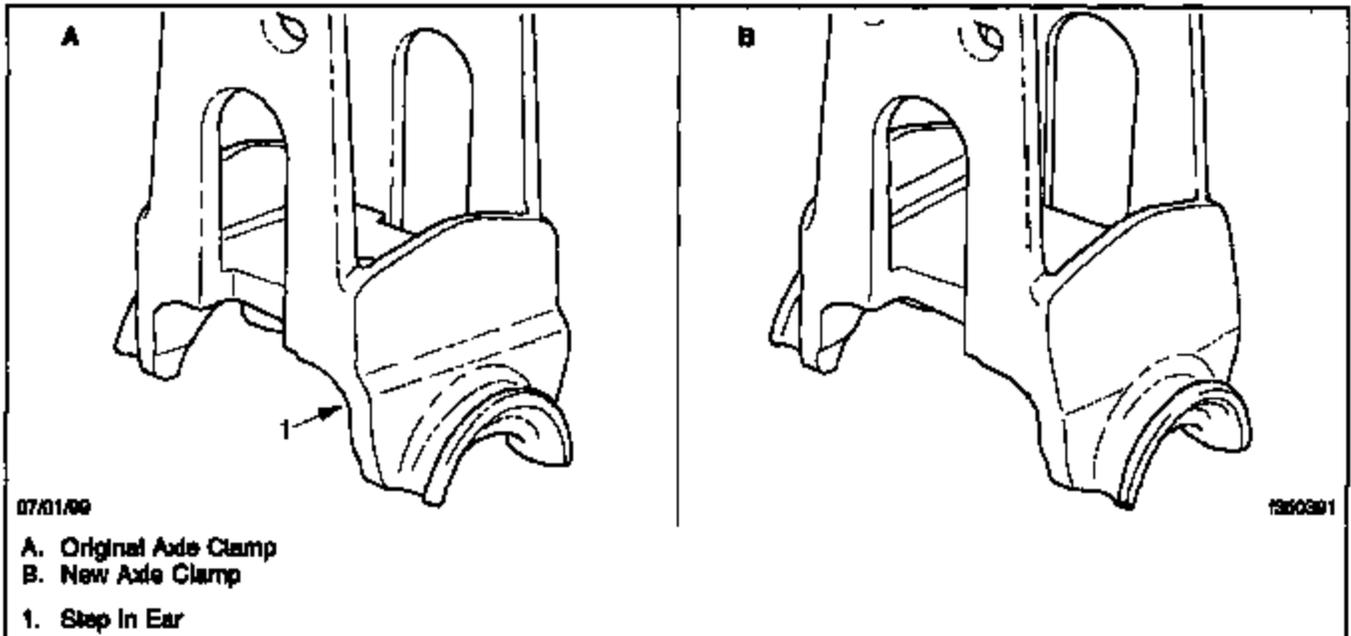


Fig. 3, Upper Axle Clamps

Upper Axle Clamp Part Numbers (Sterling Products)					
If you have this axle clamp part number on the vehicle...		You should have this axle clamp part number in the Recall kit		Description	Qty
Left Hand	Right Hand	Left Hand	Right Hand		
11-20514-000	11-20514-000	11-22804-000	11-22804-000	CLAMP-AXLE, UPPER, TUFTRAC	2 Each
11-20514-001	11-20514-001	11-22804-001	11-22804-001	CLAMP-AXLE, UPPER, TUFTRAC	2 Each
11-20804-000	11-20804-001	11-22805-000	11-22805-001	CLAMP-AXLE, UPPER, TUFTRAC	2 Each
11-20804-002	11-20804-003	11-22805-002	11-22805-003	CLAMP-AXLE, UPPER, TUFTRAC	2 Each
11-20804-004	11-20804-005	11-22805-004	11-22805-005	CLAMP-AXLE, UPPER, TUFTRAC	2 Each

Table 11, Upper Axle Clamp Part Numbers (Sterling products)

15. Install the new lower axle retainers onto the left forward and rear drive axles.

- 15.1 Due to parts availability, the lower axle retainer included in the Recall kit may be either the same part number originally installed on the vehicle or the newly designed part number.
- 15.2 If the lower axle retainer included in the Recall kit is a different part number than what was originally installed on the vehicle, confirm that the correct part number was included in the kit before installing. See Table 12 and Table 13.



A Division of FORD MOTOR COMPANY

# Recall

Recall Bulletin

July 1999  
FL241A-J U.S.  
FC241A-J Canada

Forward Drive Lower Axle Retainer Part Numbers			
If you have this lower axle retainer part number on the vehicle's forward drive axle...	You should have this lower axle retainer part number for the vehicle's forward drive axle in the Recall kit:	Description	Qty
11-22017-000	11-22017-000 or 11-22814-000	RETNR-UBOLT, LWR FWD W/ SHK, 117	2
11-22017-001	11-22017-001 or 11-22814-001	RETNR-UBOLT, LWR FWD W/ SHK, 117	2
11-22017-002	11-22017-002 or 11-22814-002	RETNR-UBOLT, LWR FWD W/ SHK, 117	2

Table 12, Forward Drive Lower Axle Retainer Part Numbers

Rear Drive, Lower Axle Retainer Part Numbers			
If you have this axle clamp part number on the vehicle...	You should have this axle clamp part number in the Recall kit	Description	Qty
11-22018-000	11-22018-000 or 11-22813-000	RETNR-UBOLT, LWR RR W/O SHK, 117	2
11-22018-001	11-22018-001 or 11-22813-001	RETNR-UBOLT, LWR RR W/O SHK, 117	2
11-22018-002	11-22018-002 or 11-22813-002	RETNR-UBOLT, LWR RR W/O SHK, 117	2
11-22079-000	11-22079-000 or 11-22815-000	RETNR-UBOLT, LWR RR W/ SHK, 117	2
11-22079-001	11-22079-001 or 11-22815-001	RETNR-UBOLT, LWR RR W/ SHK, 117	2

Table 13, Rear Drive, Lower Axle Retainer Part Numbers

15.3 If the lower axle retainer included in the Recall kit is the same part number that was originally installed on the vehicle, confirm that the part included in the Recall kit contains the identifying mark shown in Fig. 4 on one of the ears before installing. This will ensure that the manufacturer magnetically inspected it before shipping.

16. Install the brake cam tube support bracket onto the left rear axle.

17. Install the U-bolts on the left forward and rear drive axles.

**IMPORTANT:** The Recall kit contains 32 washers. Install two washers for each U-Bolt nut.

17.1 Install each U-bolt over the ears, in the upper axle clamp, and through the holes in the lower axle retainer.

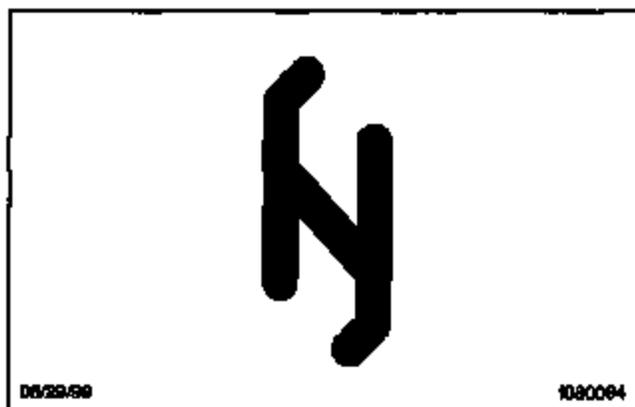


Fig. 4, Axle Retainer Marking (indicating magnetically inspected part)



A Division of FERRIS/FLYER  
CORPORATION

## Recall Bulletin

# Recall

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- 17.2 Install the washers and tighten the nuts finger-tight in the order shown in Fig. 5.  
Make sure all brackets are snug against the axle housing before proceeding to the next step.  
**IMPORTANT: U-Bolt Nuts must be tightened in the order detailed in Fig. 5.**
- 17.3 Tighten the nuts to 20 lbf-ft (27 N-m) then to 60 lbf-ft (81 N-m) then to 120 lbf-ft (163 N-m) and then to 200 lbf-ft (271 N-m) in four separate rotations following the order shown in Fig. 5.
18. Install the lower torque control rods to the lower axle retainers on the left side of the vehicle and tighten 136 lbf-ft (184 N-m).
19. Install the shock absorbers to the lower axle retainers.
- 19.1 Install the lower shock mounting bolts.
- 19.2 Install the lower shock absorber mounting washers and nuts and tighten by hand.
- 19.3 Tighten the lower shock absorber mounting nuts to 241 lbf-ft (327 N-m).
20. Install the spring tip pads to the left suspension spring.
- 20.1 Install the spring tip pads to the upper axle clamps.
- 20.2 Install the bolts to secure each upper spring tip pad and tighten 25 lbf-ft (34 N-m)
21. Repeat the above steps for the right suspension spring.
22. Clean an area on the passenger's door jamb and attach a completion sticker (Form W-147). The sticker should reference the modification number and the date the work is performed.
23. Remove the chocks from the tires.

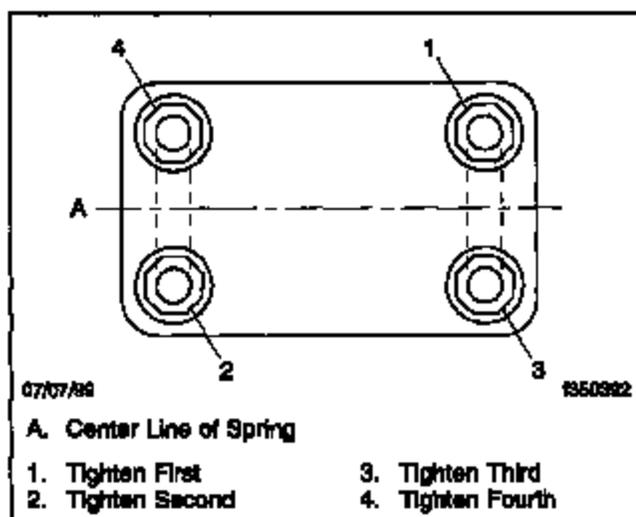


Fig. 5, U-Bolt Nut Tightening Sequence