

NEWMAR CORPORATION WARRANTY DEPARTMENT

TECHNICAL SERVICE BULLETIN																			
DATE ISSUED		MODEL YEAR(S) AFFECTED			MODEL(S) AFFECTED			TSB #											
2/7/00		1998-2000			Diesel Pushers			190											
BRAND					TYPE														
All	<input type="checkbox"/>	American Star	<input type="checkbox"/>	Kountry Star	<input type="checkbox"/>	Dutch Star	<input checked="" type="checkbox"/>	All	<input type="checkbox"/>										
NewAir	<input type="checkbox"/>	Mountain Air	<input checked="" type="checkbox"/>	Kountry Air	<input type="checkbox"/>	London Air	<input checked="" type="checkbox"/>	T T	<input type="checkbox"/>										
								F W	<input type="checkbox"/>										
								C A	<input type="checkbox"/>										
								D P	<input checked="" type="checkbox"/>										
								D B	<input type="checkbox"/>										
<table border="0"><tr><td><input type="checkbox"/> Air Conditioning & Heating</td><td><input type="checkbox"/> Electrical Components</td></tr><tr><td><input type="checkbox"/> Appliances & Accessories</td><td><input type="checkbox"/> Exterior Components</td></tr><tr><td><input type="checkbox"/> Cabinets & Furniture</td><td><input type="checkbox"/> Interior Components</td></tr><tr><td><input checked="" type="checkbox"/> Chassis Components</td><td><input type="checkbox"/> Plumbing & Bath Components</td></tr><tr><td><input type="checkbox"/> Construction Components</td><td><input type="checkbox"/> Windows, Awnings, Vents, & Doors</td></tr></table>										<input type="checkbox"/> Air Conditioning & Heating	<input type="checkbox"/> Electrical Components	<input type="checkbox"/> Appliances & Accessories	<input type="checkbox"/> Exterior Components	<input type="checkbox"/> Cabinets & Furniture	<input type="checkbox"/> Interior Components	<input checked="" type="checkbox"/> Chassis Components	<input type="checkbox"/> Plumbing & Bath Components	<input type="checkbox"/> Construction Components	<input type="checkbox"/> Windows, Awnings, Vents, & Doors
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<input type="checkbox"/> Construction Components	<input type="checkbox"/> Windows, Awnings, Vents, & Doors																		
DESCRIPTION OF PROBLEM																			
Freightliner diesel pusher chassis.																			
RECOMMENDED SOLUTION																			
Attached are instructions for your information only. Customers will be notified of this recall by Freightliner.																			

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

72185 COUNTY ROAD 3
NAPPANEE, IN 46550

NEWMAR CORPORATION WARRANTY DEPARTMENT

800.858.4924
FAX 219.773.2007



A Division of **FREIGHTLINER**
CORPORATION

Alliance
P.O. Box 4090
Portland, OR 97208-4090
800.547.0712 Phone
503.735.7415 Fax

Recall Campaign Information

January 2000

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

Subject: **XC Side Radiator Hydraulic System**
FL243AD U.S.
FC243AD Canada

Enclosed is a copy of the subject recall bulletin.

There are approximately 1092 vehicles involved in this campaign.

Please replace the index and all previous versions of this bulletin in your Recall Binder.

RECALL & FIELD SERVICE DEPARTMENT

Attachments

Freightliner Corporation is a Member
of the Daimler-Benz Group

If you have any questions regarding this T.S.B., please contact a Warranty Service Representative at Newmar Corporation.

NEWMAR CORPORATION WARRANTY DEPARTMENT



Recall Bulletin

Recall

A Division of **FREIGHTLINER**
CORPORATION

January 2000
FL243AD U.S.
FC243AD Canada

Subject: XC Side Radiator Hydraulic System

MODELS AFFECTED: Freightliner specific Custom Chassis XC models equipped with a side mount radiator and hydraulic system manufactured between July 1997 and November 18, 1999.

GENERAL INFORMATION

It has been determined that a defect which relates to motor vehicle safety exists on the vehicles specified above.

There are approximately 1092 vehicles involved in this campaign.

The filter gasket for the power steering hydraulic fluid may blow out due to pressure spikes in the system. This can result in a loss of power steering fluid and an eventual loss of power assist to the steering if the leak is undetected. The vehicle will retain mechanical steering capability.

The modification consists of adding an accumulator to the hydraulic system on all vehicles. The external filter should also be removed from vehicles equipped with a metal hydraulic fluid reservoir.

WORK INSTRUCTIONS

Please refer to the attached work instructions.

REPLACEMENT PARTS

Replacement kits are now available.

If your dealership has ordered any vehicle(s) involved in campaign number FL243AD/FC243AD, 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 Tables 1-4 for replacement kit(s).

25-FL243-000

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL243A/FC243A	25-FL243-000	Hose Assembly	05-17745-059	1	\$607.40 U.S./ \$1325.97 Canada
		Diagram	D05-19034-000	1	
		Hose Assembly	05-17746-032	1	
		Tie Strap	TYC DCT110HIR	2	
		Accumulator	05-19031-000	1	
		Tee fitting	05-19049-000	1	
		Accumulator Mounting Bracket	05-19029-000	1	
		Cable Assembly	12-17553-000	1	
		Screw	L23-11745-100	2	
		3/8" Bearing Washer	L23-09114-002	2	
		3/8" 24F Hex nut	L23-09901-206	1	

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

Table 1

NEWMAR CORPORATION WARRANTY DEPARTMENT



A Division of **FREIGHTLINER**
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January 2000
FL243AD U.S.
FC243AD Canada

25-FL243-001

Campaign Number	Klt Number	Part Description	Part Number	Qty. per Klt	Wholesale Price*
FL243B/FC243B	25-FL243-001	Hose Assembly	05-17745-036	1	\$591.80 U.S./ \$1267.82 Canada
		Hose Assembly	05-17746-032	1	
		Tie Strap	TYC DCT110HIR	2	
		Accumulator	05-19031-000	1	
		Tee fitting	05-19049-000	1	
		Accumulator Mounting Bracket	05-19029-000	1	
		Cable Assembly	12-17553-000	1	
		Screw	L23-11745-100	2	
		3/8" Bearing Washer	L23-09114-002	2	
		3/8" 24F Hex nut	L23-09901-206	1	

* 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-FL243-002

Campaign Number	Klt Number	Part Description	Part Number	Qty. per Klt	Wholesale Price*
FL243C/FC243C	25-FL243-002	Hose Assembly	05-17745-036	1	\$589.59 U.S./ \$1259.49 Canada
		Hose Assembly	05-17746-017	1	
		Tie Strap	TYC DCT110HIR	2	
		Accumulator	05-19031-000	1	
		Tee fitting	05-19049-000	1	
		Accumulator Mounting Bracket	05-19029-000	1	
		Cable Assembly	12-17553-000	1	
		Screw	L23-11745-100	2	
		3/8" Bearing Washer	L23-09114-002	2	
		3/8" 24F Hex nut	L23-09901-206	1	
		Connector	23-12481-012	1	

* 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

NEWMAR CORPORATION

WARRANTY DEPARTMENT



A Division of **FREIGHTLINER**
CORPORATION

Recall Bulletin

Recall

January 2000
FL243AD U.S.
FC243AD Canada

25-FL243-003

Campaign Number	Kit Number	Part Description	Part Number	Qty. per Kit	Wholesale Price*
FL243D/FC243D	25-FL243-003	Hose Assembly	05-17745-036	1	\$642.59 U.S./ \$1178.86 Canada
		Hose Assembly	05-17746-017	1	
		Tie Strap	TYC DCT110HIR	2	
		Accumulator	05-19031-000	1	
		Tee fitting	05-19049-000	1	
		Accumulator Mounting Bracket	05-19029-000	1	
		Cable Assembly	12-17553-000	1	
		Screw	L23-11745-100	2	
		3/8" Bearing Washer	L23-09114-002	2	
		3/8" 24F Hex nut	L23-09901-206	1	

* 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

REMOVED PARTS

Removed housings are to be returned to Meritor per the instructions included with the replacement housing.

LABOR ALLOWANCE

Refer to Table 5 for labor allowance.

Campaign Number	Procedure	Time Allowed (hours)	SRT Code	Damage Code
FL243ABD/FC243ABD	Install and plumb Accumulator	3.5	996-0319A	000-Modifiedx
FL243C/FC243C	Remove external filter, install and plumb accumulator	4.1	996-0319B	000-Modifiedx

Table 5

IMPORTANT: When the modification has been completed, clean a spot on the front wall under the driver's side dash and attach a completion sticker (Form W-147), referencing the modification number and date the work was performed.

CLAIMS FOR CREDIT

You will be reimbursed for your parts, labor and handling by submitting your claim through the Alliance Warranty system. Please reference **FL243AD/FC243AD** in the FSDOC field and 25-FL243-000 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®

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2. On-line ServicePro®
3. Contact the Recall & Field Service 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.

To return excess kit inventory related to this campaign, please submit a Parts Authorization Request (PAR), to the Memphis PDC. All PAR requests must include the original purchase invoice number.

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 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. 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.

RECALL & FIELD SERVICE DEPARTMENT

NEWMAR CORPORATION WARRANTY DEPARTMENT



A Division of **FREIGHTLINER**
CORPORATION

January 2000
FL243AD U.S.
FC243AD Canada

Recall Bulletin

Recall

Copy of Letter to Owner

Subject: XC Side Radiator Hydraulic System

Dear Freightliner Custom Chassis 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.

It has been determined that a defect which relates to motor vehicle safety exists on Freightliner specific Custom Chassis XC models equipped with a side mount radiator and hydraulic system manufactured between July 1997 and November 18, 1999.

The filter gasket for the power steering hydraulic fluid may blow out due to pressure spikes in the system. This can result in a loss of power steering fluid and an eventual loss of power assist to the steering if the leak is undetected. The vehicle will retain mechanical steering capability.

The modification consists of installing an accumulator to the hydraulic assembly.

You should immediately contact your Freightliner dealer to arrange to have your vehicle(s) modified. When you contact your dealer, reference campaign number **FL243AD/FC243AD**. The kits are now available to Freightliner dealers to complete the modification. Please allow approximately 4 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 front wall under the driver's side dash, referencing FL243AD/FC243AD 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 Recall & Field Service 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 (613) 993-9851.

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

RECALL & FIELD SERVICE DEPARTMENT

Enclosure

NEWMAR CORPORATION WARRANTY DEPARTMENT



A Division of **FREIGHTLINER**
CORPORATION

Recall

Recall Bulletin

January 2000
FL243AD U.S.
FC243AD Canada

Work Instructions

Subject: XC Side Radiator Hydraulic System

MODELS AFFECTED: Freightliner specific Custom Chassis XC models equipped with a side mount radiator and hydraulic system manufactured between July 1997 and November 18, 1999.

WORK INSTRUCTIONS

1. Park the vehicle, set the parking brake, and chock the tires.
2. Allow the engine to cool.
3. When the engine has cooled, raise the rear engine access cover.
4. Put a clean container under the power steering reservoir and disconnect the supply hose from the reservoir to drain the system.
5. Disconnect and remove the hose connecting the proportioning valve to the lower end of the oil cooler. See Fig. 1.
6. Remove the two capscrews from the bottom of radiator mounting bracket.
7. Install the mounting bracket from the kit onto the radiator mounting bracket. Using the capscrews and washers from the kit, install them into the holes from which the capscrews were removed.
8. Install the Tee-fitting onto the accumulator and tighten 20 lbf-ft (27 N·m).
9. Seat the accumulator onto the mounting bracket. See Fig. 1.
10. Using the cable assembly and the 3/8-24 nut, secure the accumulator to the bracket. See Fig. 1. Tighten the nut 30 lbf-ft (40 N·m).
11. Connect the new hoses from the kit to the tee on the accumulator. Tighten the fittings 20 lbf-ft (27 N·m).
12. Connect one hose to the bottom of the oil cooler. Then, connect the other hose to the proportioning valve. Tighten the fittings 20 lbf-ft (27 N·m).
13. Using two dual hose clamps, secure the hoses together. See Fig. 1.
14. Check the type of power steering reservoir.

If equipped with a 12-quart metal reservoir, check for an external filter near the oil cooler, in the hydraulic hose running from the top of the oil cooler to the reservoir. See Fig. 1.

If the filter is present, remove it and connect the hose ends using a union fitting from the kit. Tighten the fittings 20 lbf-ft (27 N·m).
- IMPORTANT:** Remove the external filter *only* if equipped with a metal reservoir. If the vehicle is equipped with a plastic reservoir, do not remove the external filter; leave it in place.
15. Fill and bleed the hydraulic system. See **Group 46** in the chassis workshop manual for instructions.
16. Close the rear engine access cover.
17. Clean a spot on the firewall under the dash on the driver's side, and attach a completion sticker (Form W-147). The sticker should reference the recall number and the date the work is done.

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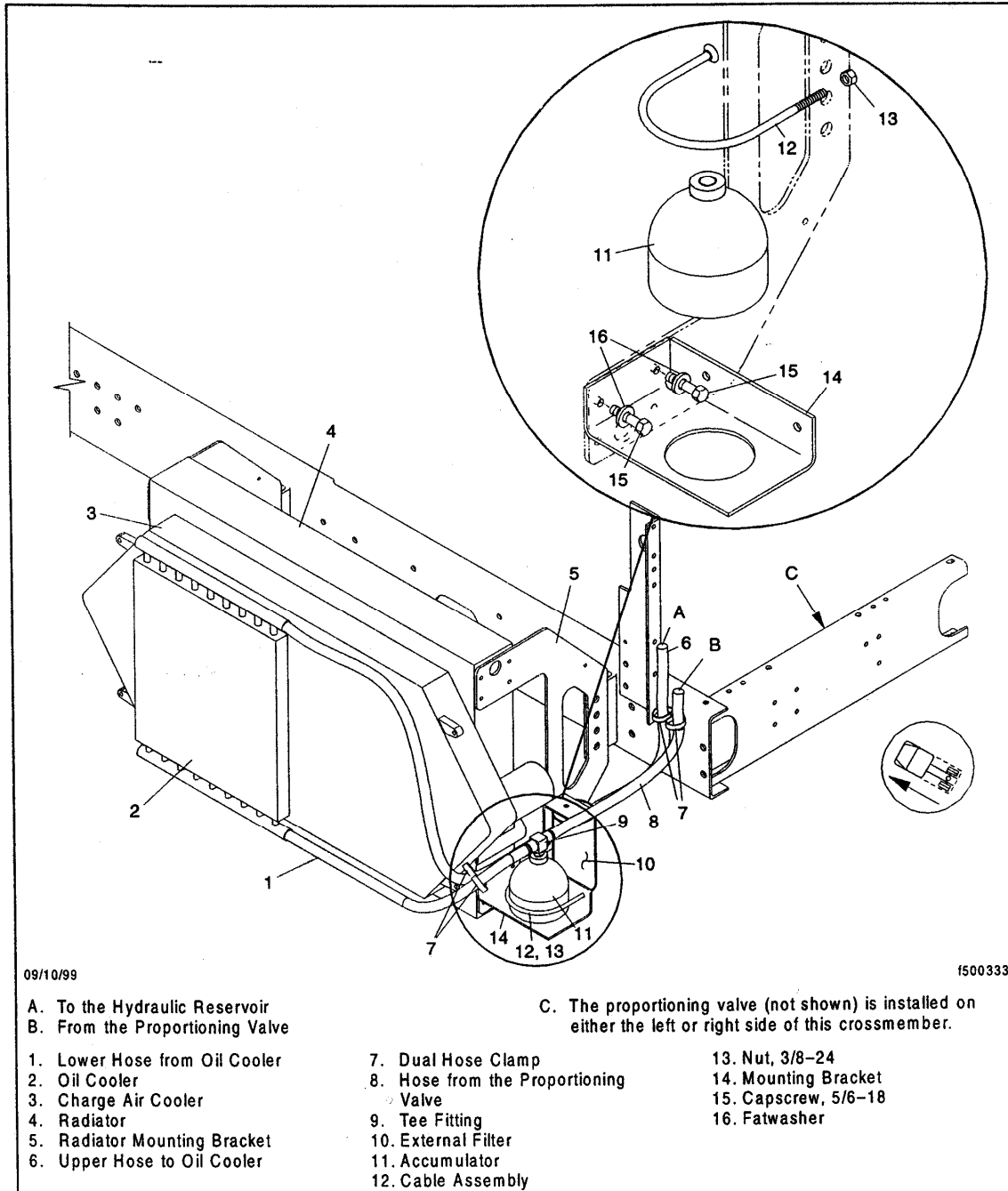


Fig. 1, Installation of Hydraulic System Accumulator

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18. Remove the chocks from the tires.