

**November, 2004**

**TO: ALL VOLVO RETAILERS - US AND CANADA**  
**RE: RECALL CAMPAIGN 141: INSPECT/REPLACE ENGINE COOLING FAN CONTROL**  
**MODULE (EFCM) AND COOLING FAN ASSEMBLY**

Volvo Cars of North America, LLC and Volvo Cars of Canada Ltd. (Volvo), have decided that a defect related to motor vehicle safety exists in certain:

- S80 Volvo Vehicles, MY1999 to 2001
- S60 Volvo Vehicles, MY 2001
- V70 Volvo Vehicles, MY 2001
- V70XC Volvo Vehicles, MY 2001

Please check VRC2 for specific vehicle eligibility.

Under certain circumstances excessive heat may be generated by the running of cooling fan. Should this occur, the electric cooling fan components may overheat, and could cause melting of the electrical connections and adjacent components. In rare instances, the risk of overheating could lead to a fire.

The corrective action will be to replace the electric cooling fan with the new and improved version. The vehicle shall be inspected first to determine if the new and improved electric cooling fan has already been installed.

Please check VRC2 for specific vehicle eligibility.

Recall Campaign 141 affects approximately 149,799 vehicles in US and approximately 9,246 vehicles in Canada.

**OWNER NOTIFICATION**

Because of the large number of vehicles VCNA will stagger the owner mailing during 4 months. Owner notification for the first stage is scheduled to begin the week of December 1, 2004.

Please see the detailed customer notification launch schedule information in the Parts Bulletin No Group 26-141.

**RETAILER RESPONSIBILITIES**

Retailers must perform this recall on eligible vehicles regardless of miles/kilometers or vehicle age. All work performed under this Recall Campaign is free of charge to the owner.

In the event that a customer does not have a notification letter, the owner is not to be refused this important recall work. Your regional representative will follow up to ensure that this recall is proceeding smoothly.

A complete description of the recall requirements and claim submission procedures will follow.

It is the retailer's responsibility to review the details provided in the materials listed below with all involved personnel.

- Service Manager Bulletin 26-141
- TNN 26-07
- Parts Bulletin 26-141
- Owner Notification Letter

Your cooperation in completing this important recall is greatly appreciated.

Drive Safely,

Volvo Cars of North America, LLC  
Volvo Cars of Canada Ltd.

|   |                            |                           |                                   |  |  |   |                   |
|---|----------------------------|---------------------------|-----------------------------------|--|--|---|-------------------|
| <b>VOLVO</b>  |                            |                           |                                   | <b>TITLE:</b><br>Recall Campaign 141:<br>Inspect/Replace<br>Engine Cooling Fan<br>Control Module<br>(EFCM) and Cooling<br>Fan Assembly<br>MY 99-01 S80, MY 01<br>S60, V70, V70XC |  | <b>GROUP:</b><br>26                           | <b>NO:</b><br>141 |
|   |                            |                           |                                   |  |  | <b>ISSUING DEPARTMENT:</b><br>Warranty        |                   |
| <b>Service<br/>Manager<br/>Bulletin</b>                   |                            |                           |                                   | <b>REFERENCE BULLETINS:</b><br>PB 26-141<br>TNN 26-07  |  | <b>CARMARKET:</b><br>United States,<br>Canada |                   |
|   |                            |                           |                                   |  |  | <b>DATE:</b><br>YEAR MONTH DAY<br>2004 11 11  |                   |
| <b>Service<br/>Person-<br/>nel: read<br/>and initial.</b> | <b>SERVICE<br/>MANAGER</b> | <b>SERVICE<br/>WRITER</b> | <b>WARRANTY<br/>ADMINISTRATOR</b> | <b>Page 1 of 4</b>   |  |   |                   |
|   |                            |                           |                                   |  |  |   |                   |

**BULLETIN REFERENCE**

- A. RECALL CAMPAIGN 141 DESCRIPTION
- B. VEHICLES INVOLVED
- C. PARTS INFORMATION/PARTS RETURN
- D. OWNER NOTIFICATION
- E. VEHICLES IN RETAILER INVENTORY
- F. RETAILER RESPONSIBILITY
- G. CAMPAIGN REIMBURSEMENT PROCEDURES
- H. TECHNICIAN COMPETENCY REQUIREMENT
- I. RETAILER ALLOWANCE
- J. CUSTOMER REIMBURSEMENT

**A. RECALL CAMPAIGN 141 DESCRIPTION**

Volvo Cars of North America, LLC and Volvo Cars of Canada Ltd. (Volvo), have decided that a defect related to motor vehicle safety exists in certain:

- S80 Volvo Vehicles, MY1999 to 2001
- S60 Volvo Vehicles, MY 2001
- V70 Volvo Vehicles, MY 2001
- V70XC Volvo Vehicles, MY 2001

Please check VRC2 for specific vehicle eligibility.

Under certain circumstances excessive heat may be generated by the running of cooling fan. Should this occur, the electric cooling fan components may overheat, and could cause melting of the electrical connections and adjacent components. In rare instances, the risk of overheating could lead to a fire. The corrective action consists of inspecting, and if necessary, replacing the electric cooling fan with a fan of modified design. This will be performed at no charge.

Recall Campaign 141 affects approximately 149,799 vehicles in US and approximately 9,246 vehicles in Canada.

**"Fixed Right — First Time"**

**B. VEHICLES INVOLVED**

**NOTE: RETAILER MUST CONFIRM VEHICLE ELIGIBILITY PRIOR TO BEGINNING REPAIR FOR THIS CAMPAIGN.**

Vehicle eligibility should be confirmed:

- Inquire via VEN or VRC<sup>2</sup> - Vehicle Warranty where the message "RECALL CAMPAIGN 141 INCOMPLETE" will appear for eligible vehicles.

**All vehicles should be checked for any other incomplete recalls or service campaigns or service upgrades. All open Recall or Service Campaign or Service Upgrade repairs should be completed.**

**RETAILER VEHICLE CAMPAIGN LIST**

"A Retailer Campaign List" will be posted on VRC<sup>2</sup> in the Reports Menu under the Service Tab for 75 days from initial launch. This list details all affected vehicles that are on record as being retailed or currently in stock at your facility, and is updated monthly. Vehicle eligibility must be confirmed via VRC<sup>2</sup> prior to performing this recall.

**C. PARTS INFORMATION / PARTS RETURN**

Please refer to Parts Bulletin # 26-141.

**PARTS RETURN**

Parts are not required to be returned for repairs done in accordance with this recall campaign.

**D. OWNER NOTIFICATION****Customer Notification Launch Schedule**

Because of the large number of vehicles VCNA will stagger the owner mailing during 4 months. Owner notification for the first stage is scheduled to begin the week of December 1, 2004.

Please see the detailed customer notification launch schedule information in the Parts Bulletin No Group 26-141.

**E. VEHICLES IN RETAILER INVENTORY**

All vehicles in retailer's inventory and qualifying for this Recall Campaign should be repaired prior to a customer taking possession of the vehicle.

**F. RETAILER RESPONSIBILITY**

Retailers are to perform this campaign on eligible vehicles regardless of Mileage/kilometers or vehicle age. The campaign work covered under Recall Campaign 141 is free of charge to the owner. In the event that the original announcement letter is lost or misplaced, the owner is not to be refused this important campaign work. Your Regional Representative will follow up to ensure that this campaign is proceeding smoothly.

**G. CAMPAIGN REIMBURSEMENT PROCEDURES**

All claims should be submitted using the LONG FORM application.

**H. TECHNICIAN COMPETENCY REQUIREMENT**

The technician competency requirement for this campaign repair is: Level 2

**I. RETAILER ALLOWANCE**

**SHORT FORM CLAIM SUBMISSION INFORMATION  
PARTS INFORMATION**

| PART#S   | QTY | U.S.     | CANADA   |
|----------|-----|----------|----------|
| 30636445 | 1   | \$230.45 | \$347.63 |
| 983662   | 2   | \$0.64   | \$0.84   |
| 983614   | 3   | \$1.13   | \$1.51   |
| 9148344  | 1   | \$0.98   | \$1.25   |
| *8651136 | 1   | \$11.69  | \$15.22  |
| *9454160 | 1   | \$1.37   | \$1.99   |

\*8651136 & 9454160 ARE NOT REQUIRED ON ALL VEHICLES. PLEASE REFER TO CHASSIS RANGE BELOW.

| MODEL         | CHASSIS RANGE |
|---------------|---------------|
| S60           | 000148-017811 |
| S80           | 116812-184211 |
| V70 (2001-)   | 000929-082669 |
| V70XC (2001-) | 000160-016110 |

**RETAILER ALLOWANCE**

| RECALL CAMP# | CLAIM TYPE | REPAIR CODE | REPAIR DESC                      | REPAIR TIME   |
|--------------|------------|-------------|----------------------------------|---|
| 141          | 141        | 01          | INSPECT FAN<br>NO REPL NECESSARY | 0.2 HRS ALL MODELS  |
| 141          | 141        | 02          | REPLACE ELEC FAN - NO COVER      | S80 - 0.6 HRS NON-TURBO<br>S80 - 0.8 HRS TURBO<br>S60 ALL- 0.6 HRS<br>V70 - 0.7 HRS NON-TURBO<br>V70,XC70 - 0.6 HRS TURBO |
| 141          | 141        | 03          | REPLACE ELEC FAN - WITH COVER    | S80 - 0.6 HRS NON-TURBO<br>S80 - 0.8 HRS TURBO<br>S60 ALL- 0.6 HRS<br>V70 - 0.7 HRS NON-TURBO<br>V70,XC70 - 0.6 HRS TURBO |

**J. CUSTOMER REIMBURSEMENT**

**Please follow the instructions as outlined in the Warranty Policy and Procedures Manual chapter 6, page 6.4.**

# Tech-Net Notes

"Fixed Right – First Time"

## Volvo Technicians, Service and Parts Managers

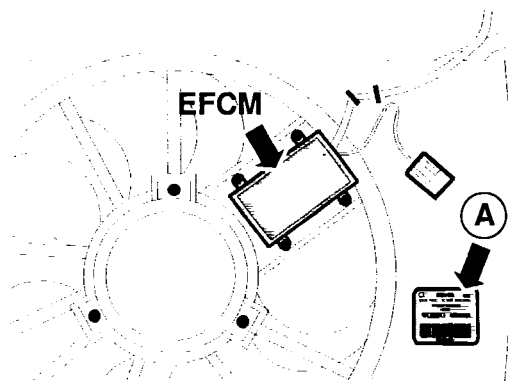
NO: 26 - 07  
DATE: 11/11/2004  
MODEL/YEAR: 1999 - 2001 S80 / 2001 S60, V70 & V70XC  
CHASSIS: (NOTE: RETAILERS MUST CONFIRM VEHICLE ELIGIBILITY)  
SUBJECT: Recall Campaign 141: Inspect/Replace Engine Cooling Fan Control Module (EFCM) and Cooling Fan Assembly.  
REFERENCE: SMB 26-141 / PB 26-141

### DESCRIPTION:

Volvo Cars of North America, LLC and Volvo Cars of Canada Ltd. (Volvo) have decided that a defect related to motor vehicle safety exists in the electric cooling fans of certain vehicles.

Under certain circumstances excessive heat may be generated by the running of cooling fan. Should this occur, the electric cooling fan components may overheat, and could cause melting of the electrical connections and adjacent components. In rare instances, the risk of overheating could lead to a fire.

### INSPECTING:



#### 1. Identification of Engine Cooling Fan Control Module (EFCM).

If the cover on the Engine Cooling Fan Control Module (EFCM) is black plastic then the EFCM and Fan Assembly must be replaced, proceed to page two.

If the cover is metal then the EFCM and Fan Assembly has already been replaced and no further action is required.

The EFCM and Fan Assembly can also be identified via the part number on the decal (A) located on the fan shroud.

Fans with the following part number are OK and must not be replaced:

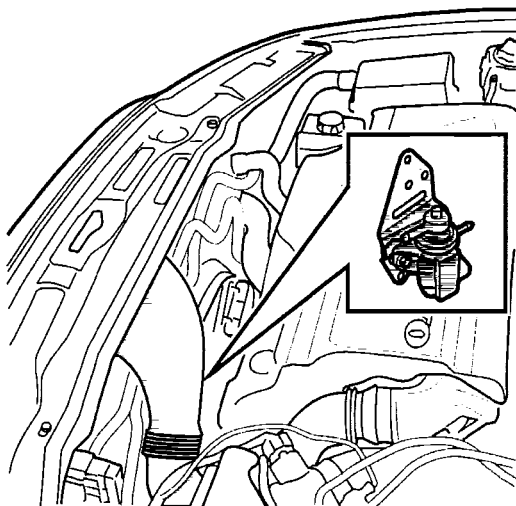
|          |          |
|----------|----------|
| 8649634  | 30723053 |
| 30647253 | 30645148 |
| 30636581 | 30636445 |
| 30680547 | 30680512 |

A2600498

**Replacing when necessary:**

| <b>Material</b>  | <b>Quantity</b> | <b>Part No.</b> |
|--|-----------------|-----------------|
| Electric fan   | 1               | 30636445        |
| Cable tie  | 2               | 983662          |
| Cable tie  | 3               | 983614          |
| Clip   | 1               | 9148344         |
| <b>Vehicles in the chassis range listed below need the following parts</b> |                 |                 |
| Cover*   | 1               | 8651136         |
| Decal*   | 1               | 9454160         |

| <b>* Vehicles needing Cover &amp; Decal</b> | <b>Chassis #.</b> |
|---|-------------------|
| S60   | 000148-017811     |
| S80   | 116812-184211     |
| V70   | 000929-082669     |
| V70XC                                       | 000160-016110     |



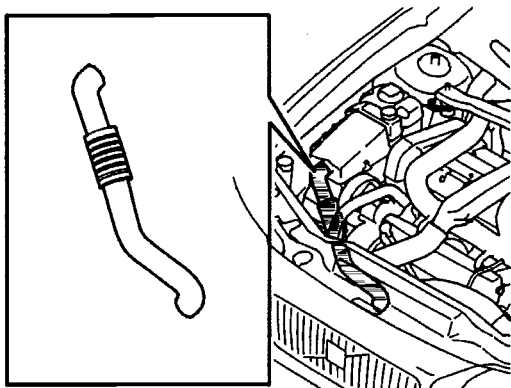
D2600258

2.

**Removing the Engine Cooling Fan Control Module (EFCM) and Fan Assembly.**

**Remove:**

- the intake pipe for the Air Cleaner (ACL) housing
- the Canister Purge (CP) valve from the engine cooling fan shroud
- the hose clamps and charge air pipe / hose on the right-hand side (turbocharged engines only).



D8702851

3.

Remove the four tie straps holding the cable harness on the fan shroud.

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**Note! Certain cars have three tie straps and a clip holding the cable harness on the fan shroud.**

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- Lift out the hose for the expansion tank from the holders on top of the fan shroud.
- Remove the plastic hose for the cold box from the fan shroud.
- Disconnect both the connectors for the engine cooling fan.
- Remove both the screws holding the fan shroud.
- Carefully lift up the engine cooling fan.



4.

**Installing the new Engine Cooling Fan Control Module (EFCM) and Fan Assembly.**

Carefully lower the fan shroud and align with the holders. Position the cable harness behind the holder (3).

Tighten both the mounting screws.

Connect the engine cooling fan connectors.

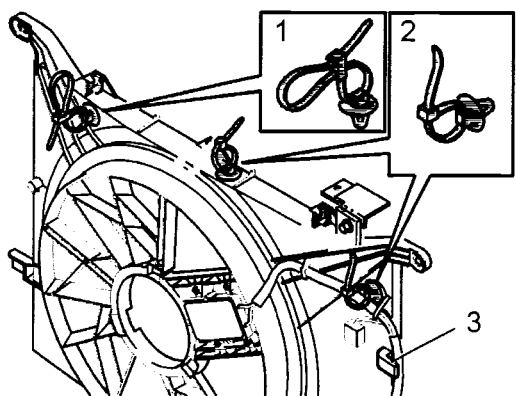
Press the hose down from the expansion tank into the holder on the fan shroud.

Transfer the clips from two of the tie straps to the tie straps with two catches (1).

Secure the cable harness using tie straps (1) and (2) to the fan shroud. See the illustration.

**Install:**

- the Canister Purge (CP) valve
- the hose clamp and charge air pipe / hose on the right-hand side (turbocharged engines only)
- the intake pipe for the Air Cleaner (ACL).

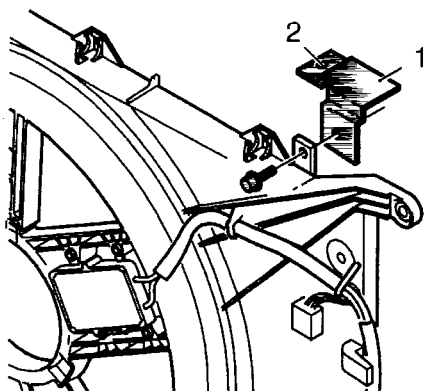


D2600311

5.

Transfer the bracket (1) to the new fan shroud.

Install the connectors for the fan with the holder from the service kit on the bracket (2).

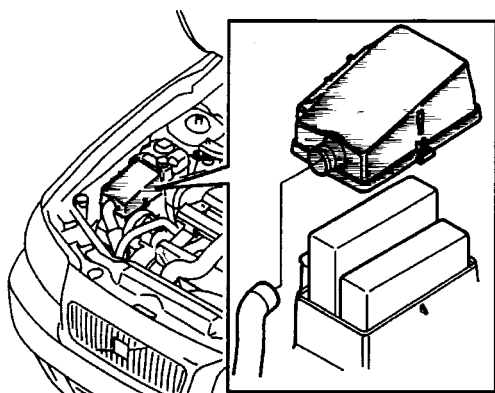


D2600310

6.

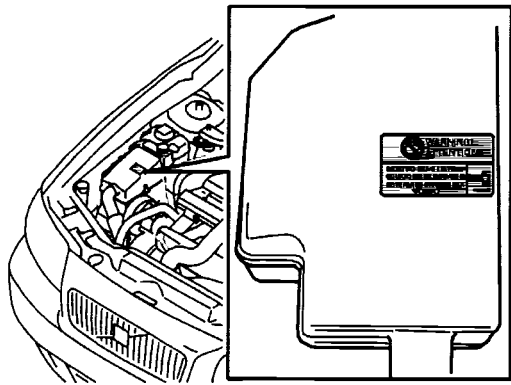
**Note: On cars manufactured between week 9950 and 0048 (for chassis. #, see affected vehicles list under the Material list):**

**Replace the cover on the cold box (Transmission Control Module (TCM), Engine Control Module (ECM)).**



D2800683

Install decal on the cold box cover.



D2600496

**VOLVO** for life,  
Volvo Cars of North America, LLC  
Technical Service

Please circulate, read and initial: \_\_\_\_\_ Svc Mgr \_\_\_\_\_ Parts Mgr

\_\_\_\_\_ TECHS

\_\_\_\_\_ Shop Foreman \_\_\_\_\_ Warranty Administrator



Nothing can replace them.

# Parts Bulletin

|  |           |             |           |  |             |                       |           |
|--|-----------|-------------|-----------|--|-------------|-----------------------|-----------|
| SUBJECT<br><b>Recall Campaign 141: Inspect/Replace Engine Cooling Fan Control Module (EFCM) and Cooling Fan Assembly</b> |           |             |           | GROUP<br><b>26</b>                     |             | NO<br><b>141</b>      |           |
|  |           |             |           | MARKET<br><b>United States, Canada</b> |             | PAGE<br><b>1 of 2</b> |           |
| COPY TO / CIRCULATIONS (PLEASE INITIAL)  |           |             |           |  |             |                       |           |
| GENERAL MGR  | PARTS MGR | SERVICE MGR | SALES MGR | DATE                                   | YEAR        | MONTH                 | DAY       |
|  |           |             |           |  | <b>2004</b> | <b>11</b>             | <b>11</b> |

## Reference Bulletin SMB 26 -141, TNN 26 - 07

Volvo Cars of North America, LLC and Volvo Cars of Canada Ltd. (Volvo), have decided that a defect related to motor vehicle safety exists in certain MY 99-01 S80, MY 01 S60, V70, V70XC.

Under certain circumstances excessive heat may be generated by the running of cooling fan. Should this occur, the electric cooling fan components may overheat, and could cause melting of the electrical connections and adjacent components. In rare instances, the risk of overheating could lead to a fire.

The corrective action will be to replace the electric cooling fan with the new and improved version. The vehicle shall be inspected first to determine if the new and improved electric cooling fan has already been installed.

Approximately 149,799 vehicles in the US and 9,246 vehicles in Canada may be affected.

The following part numbers apply:

| Part Number | Description    | Qty |
|-------------|----------------|-----|
| 30636445    | Electrical Fan | 1   |
| 9148344     | Clip           | 1   |
| 983614      | Cable Tie      | 3   |
| 983662      | Cable Tie      | 2   |
| 8651136*    | Cover          | 1 * |
| 9454160*    | Decal          | 1*  |

\* Parts not required on all vehicles - Refer to TNN 26 - 07 for specific chassis break information.

Due to the number of vehicles involved VCNA will stagger the owner mailing notification letter over a 4 month period starting in December 2004 through March 2005.

Initial parts allocation of the cooling fan, cable ties covers and decals will be sent on or about the week of November 15th. This initial allocation will be 20% of the initial December customer notification letters.

Cooling fan quantities will be adjusted based on past purchases vs. warranty claims submitted since Sept. 13, 2004. Please check your DMS inventory before placing any orders for additional stock.

**"Fixed Right — First Time"**



Printed in USA on recycled paper containing a minimum of 50% wastepaper and 10% post-consumer waste.

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|                                       |                    |                  |                           |                       |
|---------------------------------------|--------------------|------------------|---------------------------|-----------------------|
| SUBJECT<br><b>Recall Campaign 141</b> | GROUP<br><b>26</b> | NO<br><b>141</b> | DATE<br><b>2004-11-11</b> | PAGE<br><b>2 of 2</b> |
|---------------------------------------|--------------------|------------------|---------------------------|-----------------------|

Electrical Fan - Order Method (USA ONLY)

Effective as of October 27, 2004 Part Number 30636445 can only be ordered on Stock Orders. Any orders for p/n 30636445 placed on Critical Orders will be cancelled (Order Confirmation Code 85).

With the recent media announcement concerning the upcoming Recall Campaign on S80, S60, V70 and XC70 cooling fans, retailer demand has been extremely high.

In order to better serve your demands on this part we are highly recommending the following Stock Order Quantities to reduce freight damage. Please adjust your order quantities to 10, 21, 31, 42. (Optimum quantity is in amounts divisible by 21) This will help reduce shipping damage of single line items.

If you have an urgent need for part number 30636445 and require an overnight shipment of a small quantity, please contact Parts Support (1-800-331-1544 Option #2) to request a By Pass Premium Freight order.

A complete Vehicle Campaign List will be posted on VRC<sup>2</sup> in the Reports Menu under Service Tab. This list details all affected vehicles that are on record as being retailed or currently in stock at your facility. This report is only current at time of launch and vehicle eligibility must be confirmed via VRC<sup>2</sup>.

## **IMPORTANT RECALL NOTICE**

[RECALL 141: INSPECT/REPLACE ENGINE COOLING FAN  
CONTROL MODULE (EFCM) AND COOLING FAN ASSEMBLY  
SAMPLE OWNER NOTIFICATION LETTER  
UNITED STATES]

November 2004

Dear Volvo Owner:

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

***The reason for this campaign:***

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in the electric cooling fans of certain model year 1999-2001 S80 vehicles and 2001 S60, V70 and V70XC vehicles.

Under certain circumstances excessive heat may be generated by the running of cooling fan. Should this occur, the electric cooling fan components may overheat, and could cause melting of the electrical connections and adjacent components. In rare instances, the risk of overheating could lead to a fire.

The corrective action consists of inspecting, and if necessary, replacing the electric cooling fan with a fan of modified design. This will be performed at no charge.

***What you need to do:***

Please call your authorized Volvo retailer as soon as possible to schedule an appointment. This procedure will be completed at no cost and will take approximately one hour. Due to service scheduling, your Volvo retailer may require your vehicle for a longer period of time.

If you previously paid to have this corrective action performed, Volvo will honor your receipt with a refund. Please contact your authorized Volvo retailer for details.

***Please contact:***

If you have any questions, please contact your Volvo retailer. If your retailer is unable to answer your questions, please contact Volvo Customer Relations at 7 Volvo Drive Rockleigh, New Jersey 07647 or phone 1-800-458-1552, Monday through Friday, 8:30 A.M. to 7:00 P.M. Eastern Time.

We have advised the National Highway Traffic Safety Administration (NHTSA) that we are conducting this recall. If you are unable to have this procedure performed without charge and within a reasonable period of time, you may contact the NHTSA Administrator at

1-888-327-4236. The address is 400 Seventh Street SW, Washington, DC 20590.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days. Lessor means a person or entity that is the owner, as reflected on the vehicle title, of any five or more leased vehicles.

Your safety and continued satisfaction with your Volvo and the Volvo organization are very important to us. We apologize for any inconvenience this may cause and we appreciate your cooperation in arranging to have this important service completed as quickly as possible.

Sincerely,

Eunice Stern  
Manager, Customer Care

***Please note:*** According to Insurance Institute for Highway Safety President Brian O'Neill, "It is very important that owners of vehicles in which safety-related problems have been identified take those vehicles back to dealerships as soon as they receive notice of a recall or service campaign. Such notices should not be ignored or taken lightly. There is just no reason to drive around in a vehicle with a safety-related defect."