

September, 2004

TO: ALL VOLVO RETAILERS – US
RE: RECALL CAMPAIGN 139: INSPECTING THE FUEL TANK AND INSTALLING RUBBER DAMPERS

DESCRIPTION

Volvo Cars North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in certain model year 1994-1997 Volvo 850 vehicles.

In certain cases, after prolonged exposure to extreme heat, the fuel tank may develop seepage at the heat shield attachment. This is because the heat shield attachment locations may not meet certain Volvo specifications. When this occurs, a fuel odor may be present. Fuel seepage in the presence of an ignition source may result in a fire.

The corrective action will be to inspect the vehicle's fuel tank for fuel seepage or cracks at the heat shield attachment points. The fuel tank will be replaced if any seepage or a crack is found. To prevent future occurrence of fuel seepage, the corrective action will be to install a bushing to each of the heat shield attachments on the fuel tank.

The ONLY vehicles involved in this recall are MY1994 through MY1997 850 vehicles currently registered in the following seventeen states: California, Arizona, New Mexico, Texas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, Florida, North Carolina, Tennessee, Arkansas, Oklahoma, Utah, Nevada and Hawaii.

Information on vehicles in the remaining states and Canada will be distributed in the near future, where Volvo will implement this repair as a Service Campaign.

Number of Vehicles potentially affected in US for Recall Campaign 139 are approximately 78,000 vehicles. Vehicle eligibility must be confirmed using VEN or VRC2 prior to performing this campaign.

OWNER NOTIFICATION

Note: There will be a staggered launch of customer notification letters between 09/24/04 and approximately 10/29/04. Please see the detailed customer notification launch schedule information for the 17 affected states in the Parts Bulletin No Group 23-139.

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 23-139
- TNN 23-24
- Parts Bulletin 23-139

- Owner Notification Letter

Your cooperation in completing this important recall is greatly appreciated.

Drive Safely,

Volvo Cars of North America, LLC

VOLVO				TITLE:		GROUP:	NO:	
				Inspecting the Fuel Tank and Installing Rubber Dampers		23	139	
Service Manager Bulletin				1994-1997 850		ISSUING DEPARTMENT:		
						Warranty		
				REFERENCE BULLETINS:		CARMARKET:		
				PB 23-139 TNN 23-24		United States		
Service Personnel: read and initial.	SERVICE MANAGER	SERVICE WRITER	WARRANTY ADMINISTRATOR	DATE:		YEAR	MONTH	DAY
				2004 09 23				
				Page 1 of 5				

BULLETIN REFERENCE

- A. RECALL CAMPAIGN 139 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 139 DESCRIPTION

Volvo Cars of North America, LLC (Volvo) has determined that in certain MY1994-97 850's may have a defect in the fuel tank. In certain cases, after prolonged exposure to extreme heat, the fuel tank may develop fuel seepage at the heat shield attachment. When this occurs, a fuel odor may also be present.

The ONLY vehicles involved in this recall are MY1994 through MY1997 850 vehicles currently registered in the following seventeen states: California, Arizona, New Mexico, Texas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, Florida, North Carolina, Tennessee, Arkansas, Oklahoma, Utah, Nevada and Hawaii.

Information on vehicles in the remaining states and Canada will be distributed in the near future, where Volvo will implement this repair as a Service Campaign.

Note: This will be a staggered launch of customer notification letters between 9/24/04 and 10/29/04. Please see customer notification launch schedule information for the 17 affected states in this bulletin.

Fixed Right — First Time



The corrective action will be to inspect the fuel tank for seepage or cracks at the heat shield attachment points. To prevent possible further occurrence of fuel seepage, a bushing will be installed to each of the heat shield attachment points on the fuel tank. The bushing will alleviate any further stress on the attachment points. In the rare case that fuel seepage or crack's are found the fuel tank will be replaced. Recall 139 affects approximately 78,000 vehicles in the U.S.

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 VRC² - Vehicle Warranty where the message "RECALL CAMPAIGN 139 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 VRC² 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 VRC² prior to performing this recall.

C. PARTS INFORMATION / PARTS RETURN

Please refer to Parts Bulletin # 23-139

PARTS RETURN

Replaced fuel tanks will be required to be held for inspection. Fuel Tanks should be stored and disposed of properly per your local and state requirements.

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

Approximately 10,000 customer letters, split between the following states that the vehicle was originally retailed, will be mailed on 9/24/04.

Alabama	Arkansas	Mississippi	New Mexico	Utah
Arizona	Louisiana	Nevada	South Carolina	

Stage II

Approximately 30,000 letters divided between the following states. will be mailed on 10/22/04. Approximately 50% percent of customers in each of the below stage II states will be contacted.

Stage II parts allocation will be sent to the below states starting on or about the week of October 11th:

California	Georgia	North Carolina	Tennessee
Florida	Hawaii	Oklahoma	Texas

Stage III

Approximately 38,000 remaining customer letters, divided between the following states will be sent on 10/29/04. The remaining 50% customers will be contacted in each of the below states.

Stage III parts allocation will be sent to the following states starting on or about the week of October 18th:

California	Georgia	North Carolina	Tennessee
Florida	Hawaii	Oklahoma	Texas

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 139 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
(LONG FORM APPLICATION)**

INSPECTION AND REPLACEMENT OF BUSHINGS

Part Number	Description	
8629586	Rubber damper	3 or 4*
945407	Flange nut	3 or 4*

*Four Rubber Dampers and Flange Nuts required when the fuel tank has a rear protective plate.

Claim Type: S24048

Main Operation Number: 90070 (Fuel Tank Check)

Failed Part Number: 8629586

Cause Code: 16

Symptom Code: 5E

Claimed Operation Numbers

Operation Number	Description	Qty	Time
90070	Fuel Tank Check	1	0.1
90106	Rubber Cushions Install	1	0.3

**REPLACING THE FUEL TANK (WHEN NECESSARY)
(LONG FORM APPLICATION)**

Cars with Emission code 0, 1, 2, 5, 6

Material	Quantity	Part Number
Fuel tank	1	8631059
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Fuel level sensor *	1	9480918 *
Hose clamp	1	989879
Hose	1	969106
Hose clamp	2	9142053
Gasket	1	6842188
Protecting plate *	1	9470378 *

*Only applies to model year 1994

Cars with Emission code 3 or 4

Material	Quantity	Part Number
Fuel tank	1	8676687
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Gasket	1	6842188
Hose	1	9480050
Hose clamp	1	989879
Tensioning band	1	9454593
Tensioning band	1	9463196
Protecting plate	1	3531436

Claim Type: S24048
Main Operation Number: 23412
Failed Part Number: 8631059 or 8676687
Cause Code: 16
Symptom Code: 5E

Claimed Operation Numbers

Operation Number	Description	Qty	Time
23412	Replace Fuel Tank	1	2.2
90070	Fuel Tank Check	1	0.1
90106	Rubber Cushions Install	1	0.3

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: 23 - 24
DATE: 9-23-2004
MODEL: 854 / 855
M. YEAR: 1994 - 1997
CHASSIS: (NOTE: RETAILERS MUST CONFIRM VEHICLE ELIGIBILITY)
SUBJECT: Recall Campaign 139
Inspecting the Fuel Tank and Installing Rubber Dampers.
REFERENCE: SMB 23 -139 / PB 23 - 139

DESCRIPTION:

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in certain model year 1994-1997 Volvo 850 vehicles. In certain cases, after prolonged exposure to extreme heat, the fuel tank may develop seepage at the heat shield attachment. This is because the heat shield attachment locations may not meet certain Volvo specifications. When this occurs, a fuel odor may be present. Fuel seepage in the presence of an ignition source may result in a fire.

Material	Quantity	Part Number
Rubber cushion (damper)	3+1*	8629586
Flange nut	3+1*	945407

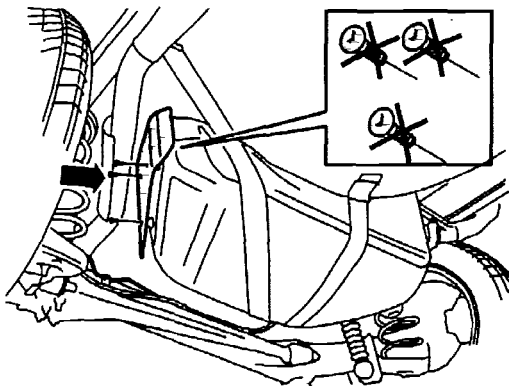
*1 extra rubber damper and flange nut required when the tank has a rear protective plate

SERVICE:

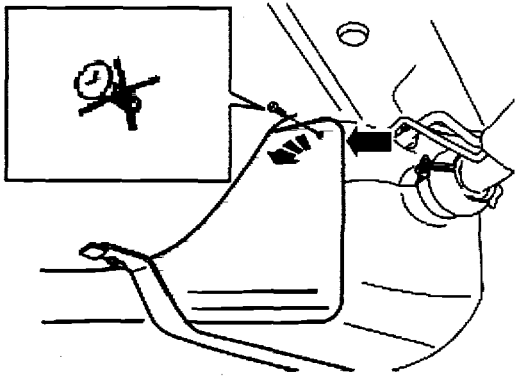
1.

Removing the protective plate

Remove the protective plate on the left-hand side of the fuel tank.



2.



NOTE! On some models there is a rear protective plate on the fuel tank, if so, remove the bolt in the top right-hand corner as well and fold out the protective plate slightly.

3.

Inspecting the mounting

Important! The fuel tank must be dry from all moisture caused by rain or snow prior to inspecting.

Check the area around the mountings for leaking fuel or cracks. (See picture in step 4)

If the car is equipped with a rear protective plate then check this mounting too.

NOTE! If fuel tank has cracks or leakage around the attaching lugs then the tank must be replaced. See page 5.

After replacing the tank or if it is considered OK then the protective plate(s) must be refitted with rubber dampers, see step 5.

A2303452

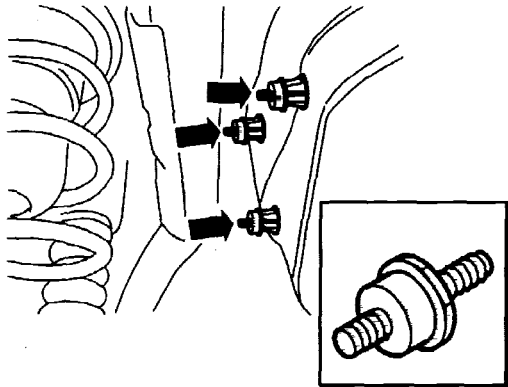
4.

Inspecting the mounting

Check the area around the mountings for leaking fuel and/or cracks.



5.



A2303453

Installing the rubber dampers

Install the rubber dampers to the lugs on the tank with the hexagon part of the damper facing the tank.

Tighten the rubber damper so that the hexagon just contacts with the lug surface, then angle tighten an additional 45° (1/8 of a turn).

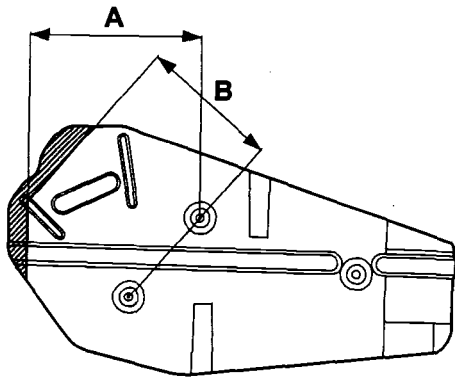
6.

Adjusting the protective plate

Cut off the shaded area as marked in the illustration.

A = 173 mm

B = 135 mm

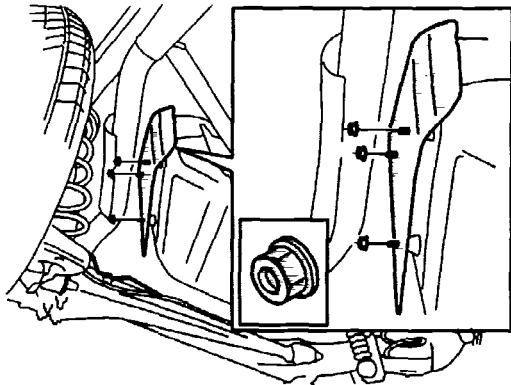


A2303460

7.

Installing the protective plate

Install the protective plate, tighten the nuts to 10 Nm.



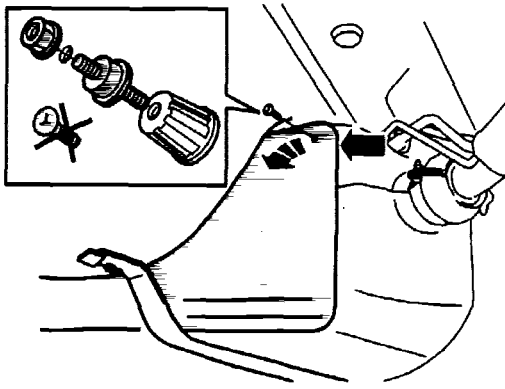
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8.

Installing the rubber damper to the rear protective plate

NOTE! Only applies to cars with a rear protective plate for the tank.

Install the rubber damper in the same way as in the previous steps.



A2303454

Replacing the fuel tank (when necessary)

See the next page.

Replacing the fuel tank (when necessary)

Cars with Emission code 0, 1, 2, 5, 6

Material	Quantity	Part Number
Fuel tank	1	8631059
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Fuel level sensor*	1	9480918*
Hose clamp	1	989879
Hose	1	969106
Hose clamp	2	9142053
Gasket	1	6842188
Protecting plate*	1	9470378*

* Only applies to M/Y 1994

Cars with Emission code 3, 4

Material	Quantity	Part Number
Fuel tank	1	8676687
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Gasket	1	6842188
Hose	1	9480050
Hose clamp	1	989879
Tensioning band	1	9454593
Tensioning band	1	9463196
Protecting plate	1	3531436

Special tools

Description	Part Number
Injector holder	999 5533
Fixture	999 5972
Key	999 5486
Wrench	999 5485

Fuel tank, draining

NOTE! As the illustrations in this service information are used for different model years and or models, some variation may occur. However, the essential information in the illustrations is always correct.

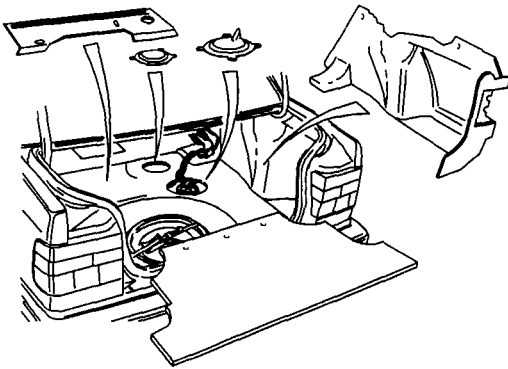
Preparation

Disconnect the battery negative terminal. See Note when disconnecting/connecting the battery lead.

Note! Follow all Safety regulations for handling fuel.

Draining fuel tank

NOTE! Always ensure that there is a ground connection between the fuel intake and the fuel filler pipe.



Removing panels

5-door cars:

- Fold up the front floor hatch and fold back carpet.

4-door cars:

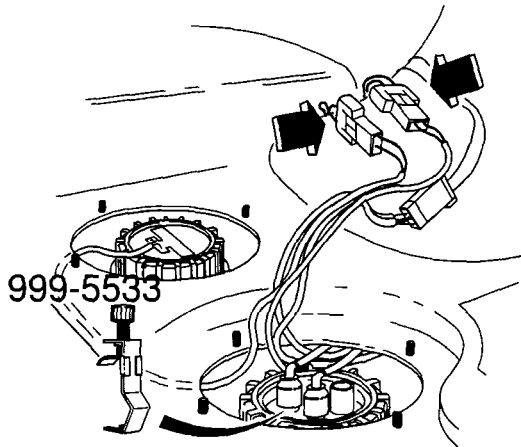
- Fold forward right rear seat

Remove:

- cargo compartment carpet
- right wheel arch panel. Fold back the corner of panel on variants with soft panels
- covers over nuts to fuel pump (FP) and level sensor.

NOTE! If carrying out work on fuel level sensor in a 5-door model, fold the rear seat forward, remove the front floor hatch screws (x 4) and pull hatch backward.

A2300139



A2300516

Disconnecting hoses

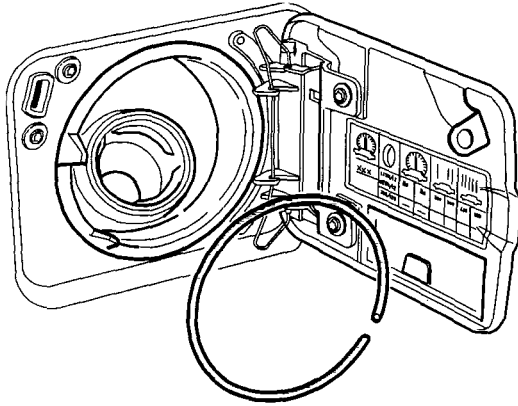
Separate connectors for fuel pump (FP) and level sensor
 Check color markings on hoses and pump.
 Note! The delivery pipe is marked with yellow tape. The pump has a corresponding color marking.
 Carefully disconnect quick-release connectors on delivery and return hoses.
 Use tool 999 5533 . Slide outer sleeve of connector upward. Avoid squeezing sleeve.

12.

Removing fuel tank

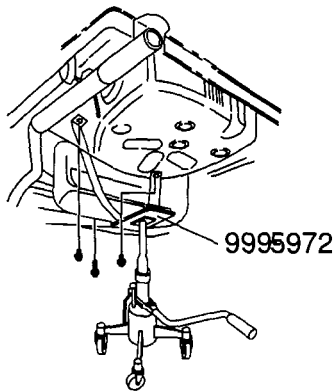
Remove:

- spring clip that tensions the rubber seal
- fuel cap and rubber seal.



A2300135

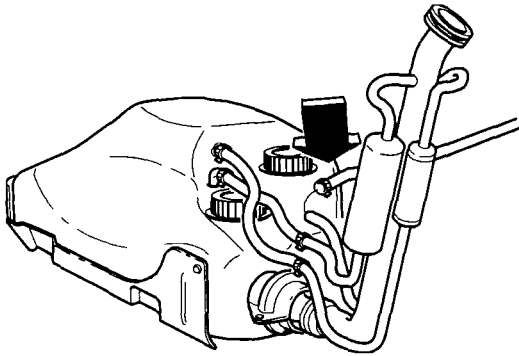
13.



A2300144

Position mobile jack with fixture 999 5972.
 Use flat lifting table to avoid damage to internal tank components.
 Undo tank retaining straps and lower tank slightly.

14.

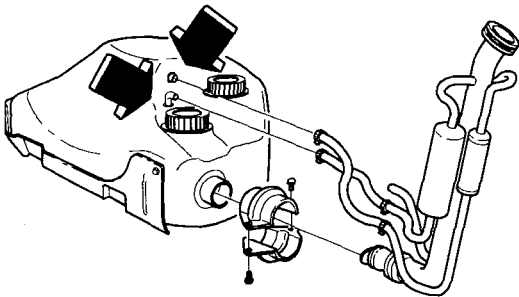


A2300517

Removing hoses

Disconnect EVAP system hose connector. All hoses are secured in position by quick-release clip on top of tank. Use a screwdriver to release the upper end of the clip. Lower tank.

15.

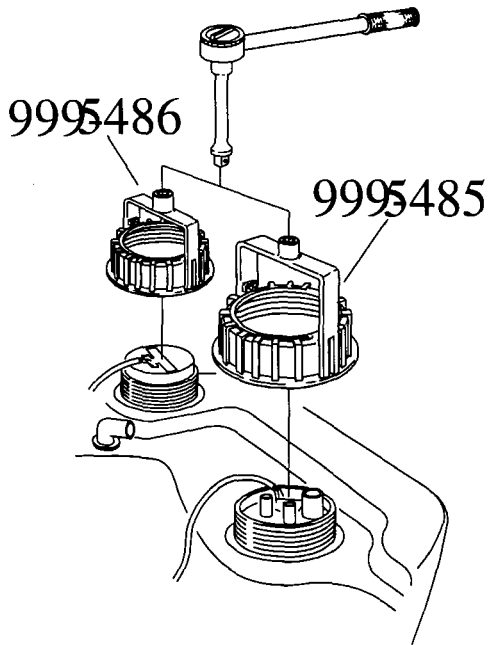


A2300143

Remove:

- the two fuel tank hose connectors
- the two screws on the flange retaining the fuel filler pipe. Pull out pipe with rubber seal and check valve.

16.

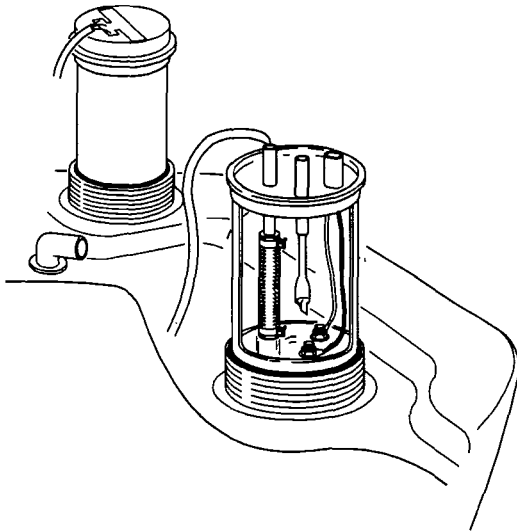


A2300130

Removing fuel pump (FP)

Remove nut securing level sensor. Use wrench 999 5486. Remove nut securing fuel pump. Use wrench 999 5485.

17.



A2300518

Lift out:

- fuel pump (FP) unit and level sensor.

Caution! Lift unit straight up. Do not grip pipe connections with pliers or other sharp tool as damage to connections may result in fuel leakage.

18.

Installing fuel tank

NOTE! This step is only information. Follow the method from step 19.

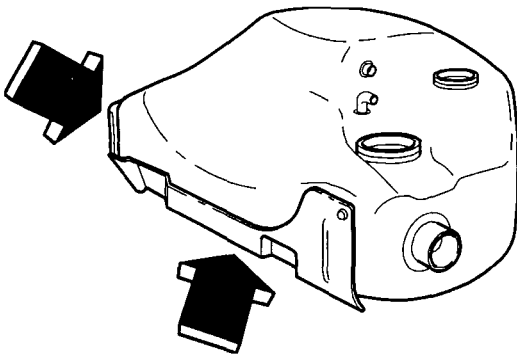
When installing a new fuel tank the following components must be replaced with new parts because the material swells. Failure to do so may result in fuel leakage.

- Level sensor nut (white) (9142607)
- Level sensor nut seal (447142)
- Fuel pump (FP) nut (black) (3501322)
- Fuel pump (FP) nut seal (9447141)
- Fuel filler pipe seal (6842188)

Transfer and install the two covers from the old fuel tank to the new one.

NOTE! On M/Y 1994, replace the side protective plate PN 9470378.

NOTE! The protective plate must be adjusted before installing see step 22.

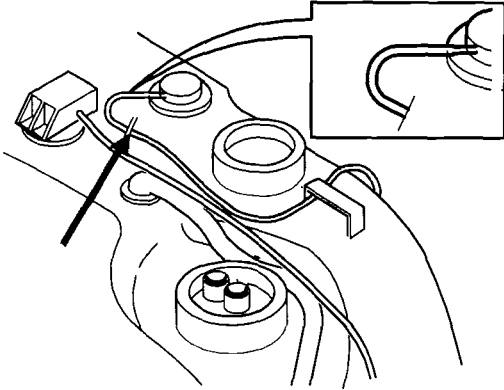


A2300150

19.

Modifying pipe from rollover valve

Cut the pipe on the new tank approx 25mm past the bend. See the illustration.



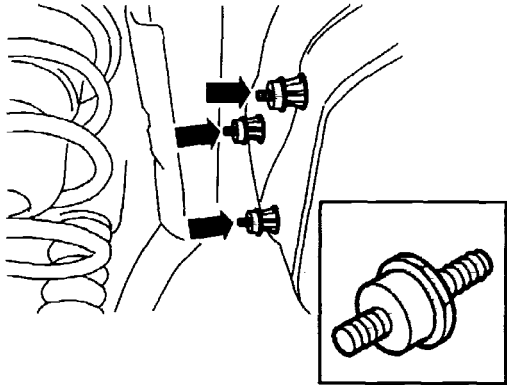
A2303453

20.

Installing the rubber dampers

Install the rubber dampers to the lugs on the tank with the hexagon part of the damper facing the tank.

Tighten the rubber damper so that the hexagon just contacts with the lug surface, then angle tighten an additional 45° (1/8 of a turn).

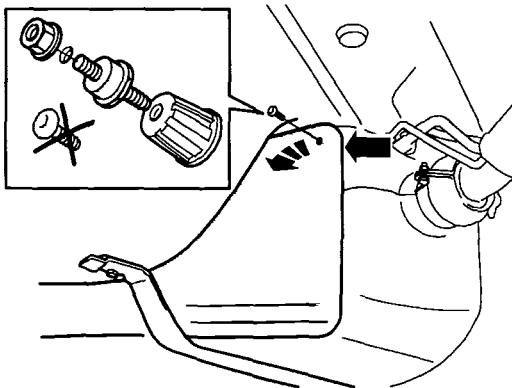


A2303453

21.

Installing the protective plate

Install the protective plate, tighten the nuts to 10 Nm.



A2303454

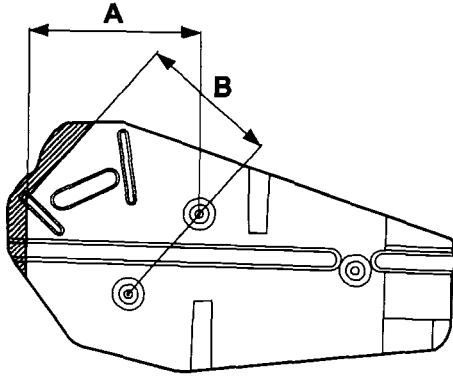
22.

Adjusting the protective plate

Cut off the shaded area marked in the illustration.

A = 173 mm

B = 135 mm

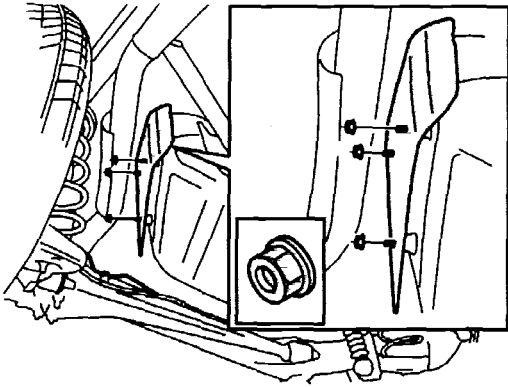


A2303460

23.

Installing the protective plate

Install the protective plate, tighten the nuts to 10 Nm.



A2303451

24.

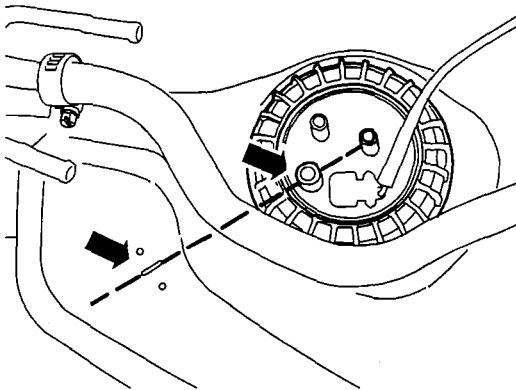
Installing fuel pump (FP)

Install:

- rubber seal on fuel pump (FP) unit.
Lubricate the inside and top of the seal with petroleum jelly.

- fuel pump (FP) unit

NOTE! Check the alignment of the fuel pump (FP) unit, see illustration.



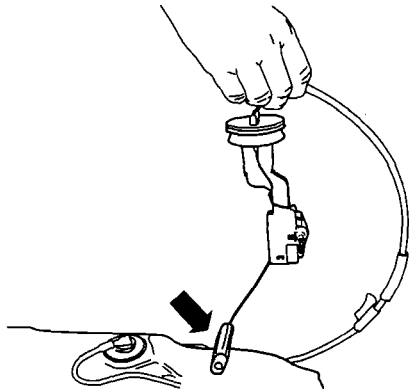
A2303463

Install fuel level sensor

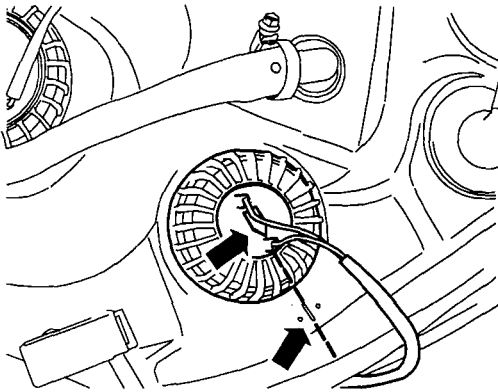
Install a new level sensor on M/Y 1994:
emission code 0, 1, 2, 5, 6

Install:

- rubber seal on level sensor
- level sensor.



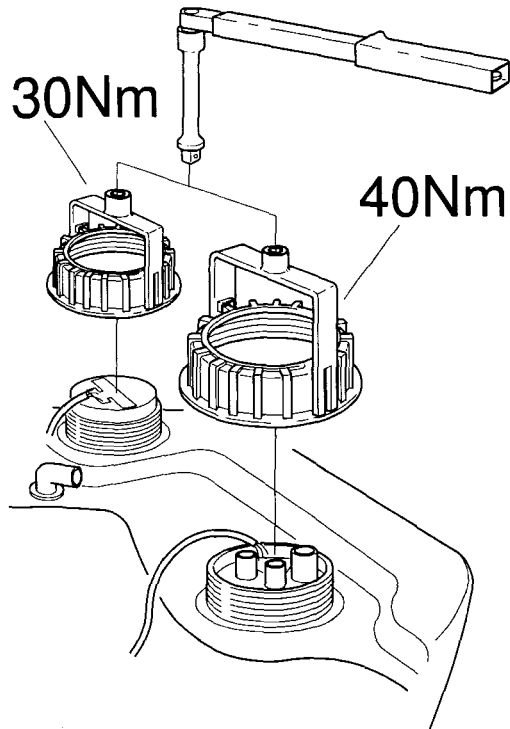
A2303465



A2303464

NOTE! Check the alignment of the level sensor using illustration.

Install the nut finger tight. Check that the position of the level sensor does not change.



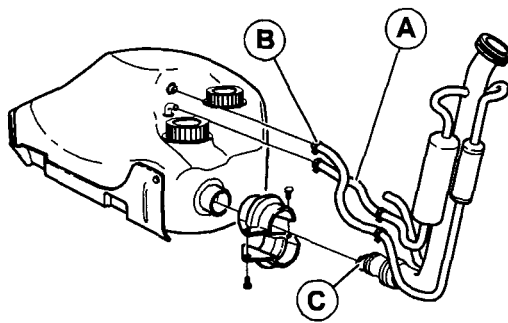
A2300130

Installing nuts

Tighten:

- large nut to 40 Nm
- small nut to 30 Nm.

Check level transmitter wiring as illustrated.



A23000182

Installing hoses

Reconnect hoses to fuel tank.

See illustration for correct location.

Tighten hose clamps to 3.5 Nm.

Turn spring clamps so that they do not rub against the body or the tank..

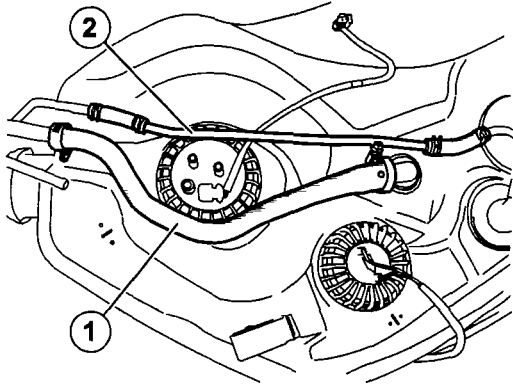
Install rubber seal, P/N 6842188-2 on fuel tank collar.

Lubricate inside of gasket and, if necessary, lower end of filler pipe.

Important Ensure that the check valve (C) on the end of the filler neck is in the correct position with its locking tab on the filler pipe.

Installing fuel filler pipe on tank 8631059**Install:**

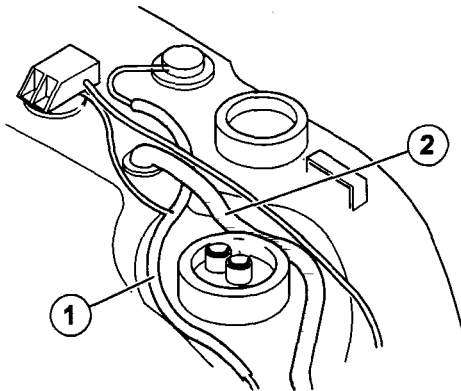
- filler pipe flange.
- screws. Tighten to 10 Nm.
- hose (1), with new clamp to the fitting on the tank.
- cut the new hose (2), P/N 969106 to a length of 450 mm.
- new hose (2) with new clamps.



A2303462

Installing fuel filler pipe on tank 8676687**Install:**

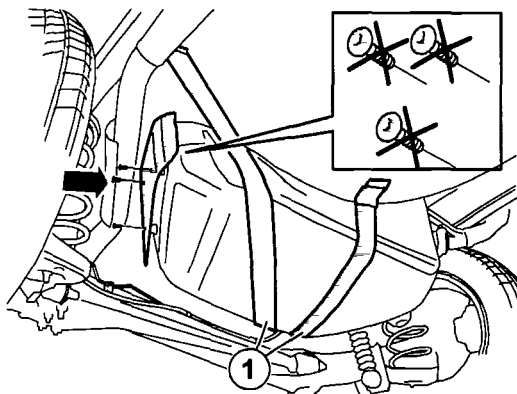
- filler pipe flange
- screws. Tighten to 10 Nm
- the fuel tank pressure sensor from the old tank
- three joined hoses (1), P/N 9480050, to the fittings. Secure the hoses clamps. The narrower hose is for fuel tank pressure sensor
- hose (2), with new clamp to the fitting on the tank.



A2303466

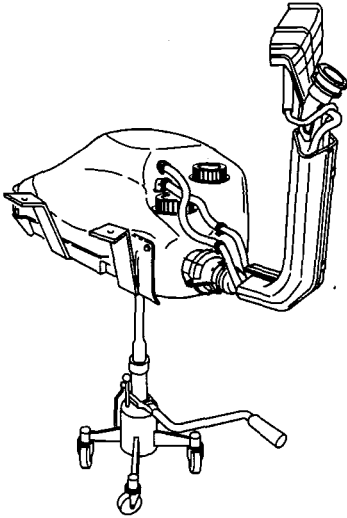
Installing fuel tank

Installing protective plates on tank install new mounting straps (1) PN 9454593 and 9463196).



Installing fuel tank

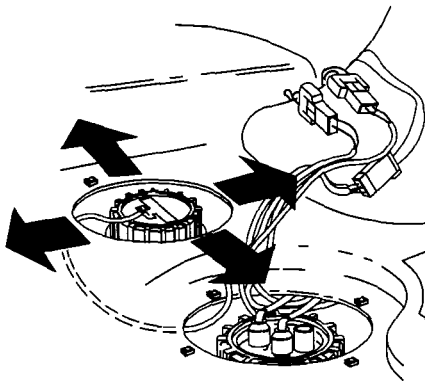
Rest tank and tank band on jack.
 Use same fixture and lifting table as when removing tank.
 Raise tank and tighten tank band at rear.



A2300145

Installing fuel tank

Push tank forward as far as possible. Center tank (see illustration) so that the level sensor nut (white) does not contact the edge of the opening.
 Tighten front tank band bolt.
 Press the clip with the fuel hoses into place on the tank band.
 Apply Underbody protection on exposed body parts when needed.

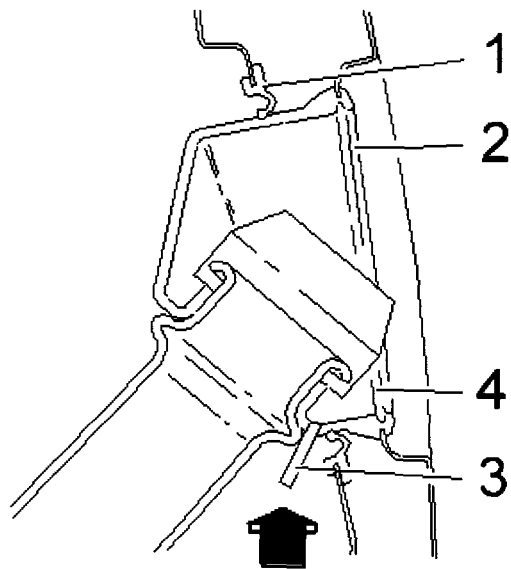


A2300141

Installing rubber seals

Install filler housing around top of filler pipe. Check that the inner rubber seal is correctly seated and that the drain pipe is inside the inner seal.

Check that Spring clip (1) is in position. Oil mating surface on the rubber cover (2). Install cover. Install the drain hose (3) last of all, otherwise water or fuel will enter the cargo compartment. Install the ring (4). Install panels and carpets.



A2300147

Verification of repair

Check that there are no leaks.
Check the function the fuel level sensor.

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 Recall Campaign 139: Inspecting the fuel tank and installing rubber dampers MY 94-97 850				GROUP	23		NO	139
				MARKET	United States		PAGE	1 of 3
COPY TO / CIRCULATIONS (PLEASE INITIAL)								
GENERAL MGR	PARTS MGR	SERVICE MGR	SALES MGR	DATE	YEAR	MONTH	DAY	
					2004	09	23	

Reference Bulletins: TNN 23-24, SMB 23-139

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in certain model year 1994-1997 Volvo 850 vehicles.

In certain cases, after prolonged exposure to extreme heat, the fuel tank may develop seepage at the heat shield attachment. This is because the heat shield attachment locations may not meet certain Volvo specifications. When this occurs, a fuel odor may be present.

The ONLY vehicles involved in this recall are MY1994 through MY1997 850 vehicles currently registered in the following seventeen states: California, Arizona, New Mexico, Texas, Louisiana, Mississippi, Alabama, Georgia, South Carolina, Florida, North Carolina, Tennessee, Arkansas, Oklahoma, Utah, Nevada and Hawaii.

Information on vehicles in the remaining US states and Canada will be distributed in the near future, where Volvo will implement this repair as a Service Campaign.

Note: This will be a staggered launch of customer notification letters between 9/24/04 and approximately 10/29/04. Please see customer notification launch schedule information for the 17 affected states.

The corrective action will be to inspect the fuel tank for seepage or cracks at the heat shield attachment points. To prevent possible further occurrence of fuel seepage, a bushing will be installed to each of the heat shield attachment points on the fuel tank. The bushing will alleviate any further stress on the attachment points. In the rare case that fuel seepage or crack's are found the fuel tank will be replaced.

Approximately 78,000 vehicles in US (only) involved.

"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	GROUP	NO	DATE	PAGE
Recall Campaign 139	23	139	2004-09-23	2 of 3

Customer Notification launch schedule

Stage I

Total of 10,000 customer letters, divided between the following states, will be mailed on 9/24/04. Part allocation will consist of 50% of the rubber damper and flange nuts based on the number (10,000) of customer letters sent out in each stage of launch. You will receive your allocations prior to the release of customer letters.

Stage I parts allocation will be sent to the below states starting on or about the week of September 20th:

Alabama	Arkansas	Mississippi	New Mexico	Utah
Arizona	Louisiana	Nevada	South Carolina	

Stage II

Approximately 30,000 letters divided between the following states. will be mailed on 10/22/04. Approximately 50% percent of customers in each of the below stage II states will be contacted. Part allocation will consist of 50% of the rubber damper and flange nuts based on the number (30,000) of customer letters sent out in each stage of launch. You will receive your allocations prior to the release of customer letters.

Stage II parts allocation will be sent to the below states starting on or about the week of October 11th:

California	Georgia	North Carolina	Tennessee
Florida	Hawaii	Oklahoma	Texas

Stage III

Approximately 38,000 remaining customer letters, divided between the following states will be sent on 10/29/04. The remaining 50% of customers will be contacted in each of the below sates. Parts allocation will consist of 50% of the rubber damper and flange nuts based on the number (38,000) of customer letters mailed in each stage of launch. You will receive your allocations prior to the release of customer letters.

Stage III parts allocation will be sent to the following states starting on or about the week of October 18th:

California	Georgia	North Carolina	Tennessee
Florida	Hawaii	Oklahoma	Texas

The following part numbers apply:

Part Number	Description	Qty
8629586	Rubber damper	3 or 4 *
945407	Flange nut	3 or 4 *

* See TNN 23 - 24 for details on require quantities per vehicle

SUBJECT	GROUP	NO	DATE	PAGE
Recall Campaign 139	23	139	2004-09-23	3 of 3

Parts allocation will consist of 50% of rubber damper and flange nuts which will be sent during the week prior to your states launch date of customer letters. Refer to above launch stage schedule allocations will be based on customer letters in your state. You will receive your allocations prior to the release of customer letters. After this allocation you may order additional quantities using normal ordering procedures. Note - Please set your DMS to "Manual Order" on this part number so that you may monitor and limit your orders to actual demand.

A complete Vehicle Campaign List will be posted on VRC² in the Reports Menu under Service Tab for 75 days from date of launch. 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 VRC².

Tank Replacement

If a fuel tank is required, and this should only be in rare occasions - fuel tank (P/N 8631059 and P/N 8676687) will remain on order restriction. Refer to Volvo Vision under Parts inquiry screen for parts released criteria. Replaced tanks will be required to be held for inspection by regional Volvo representative. Please store and dispose fuel tanks according to your local state regulations.

The following part number apply depending on the vehicle emissions code (see TNN 23-24 and SMB 23-139 for details).

Cars with Emission code 0, 1, 2, 5, 6

Material	Quantity	Part Number
Fuel tank	1	8631059
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Fuel level sensor *	1	9480918 *
Hose clamp	1	989879
Hose	1	969106
Hose clamp	2	9142053
Gasket	1	6842188
Protecting plate *	1	9470378 *

* only applies to M/Y 1994

Cars with Emission code 3, 4

Material	Quantity	Part Number
Fuel tank	1	8676687
Gasket	1	9447141
Gasket	1	9447142
Nut	1	3501322
Nut	1	9142607
Gasket	1	6842188
Hose	1	9480050
Hose clamp	1	989879
Tensioning band	1	9454593
Tensioning band	1	9463196
Protecting plate	1	3531436

IMPORTANT RECALL NOTICE

[RECALL 139: INSPECTING THE FUEL TANK AND INSTALLING RUBBER DAMPERS
SAMPLE OWNER NOTIFICATION LETTER
UNITED STATES]

September 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 certain model year 1994-1997 Volvo 850 vehicles.

In certain cases, after prolonged exposure to extreme heat, the fuel tank may develop seepage at the heat shield attachment. This is because the heat shield attachment locations may not meet certain Volvo specifications. When this occurs, a fuel odor may be present. Fuel seepage in the presence of an ignition source may result in a fire.

Corrective Action:

Your Volvo retailer will inspect the vehicle's fuel tank for fuel seepage or cracks at the heat shield attachment points. The fuel tank will be replaced if any seepage or a crack is found. To prevent future occurrence of fuel seepage, your Volvo retailer will install a bushing to each of the heat shield attachments on the fuel tank.

What you need to do:

As with any combustible fluid, a fuel leak can be very dangerous when in contact with an ignition source. Given the nature of this defect, we strongly advise contacting an authorized Volvo retailer and having this recall performed as soon as possible. This inspection will be completed at no cost and will take approximately one hour. In rare cases more time may be needed. Due to service scheduling, your Volvo retailer may require your vehicle for a longer period of time.

If you previously paid to have your fuel tank repaired or replaced to address the problem covered by this recall, Volvo will honor your receipt with a refund. Please contact your 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 Care 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. You may also e-mail us at customercare@volvocars.com.

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 Auto Safety Hotline at 1-888-327-4236 or write to the Administrator, National Highway Traffic Safety Administration, 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."