VOLVO

Volvo Cars of North America, LLC

February 2008

TO: ALL VOLVO RETAILERS
RE: RECALL 190

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in the Pump Electronic Module (PEM) of certain 2004.5-2006 model S40 and V50 vehicles.

Volvo has found that after long-term, reoccurring exposure to certain environmental conditions (salty-wet conditions) it is possible for the PEM to become corroded internally, causing a faulty signal to the fuel pump, resulting in low or no fuel pressure to the engine. If this occurs, the Check Engine Light may illuminate. In some cases, the vehicle may fail to start or may stall, increasing the risk of a crash.

The corrective action will be to replace the PEM and install in a new location to prevent corrosion.

Recall 190 affects approximately 24,000 vehicles in the U.S. and 5,000 in Canada.

OWNER NOTIFICATION

Owner notification is scheduled to begin in February.

RETAILER RESPONSIBILITIES

Retailers must perform this Recall Campaign 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 work. Your regional representative will follow up to ensure that this Recall Campaign is proceeding smoothly.

A complete description of the Recall Campaign 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
- Tech Net Note
- Parts Bulletin

Your cooperation in completing this important Recall is greatly appreciated.

Drive Safely,

Volvo Cars of North America, LLC and Volvo Cars of Canada Corporation

Volvo Cars of North America, LLC
Volvo Drive
Rockleigh, NJ 07647

Telephone
201-768-7300

http://www.volvocars.com

VOLVO	TITLE: Recall 190: Pump Electronic Module (PEM)	GROUP: 23	NO: 190
Service Manager Bulletin		ISSUING DEPARTMENT: Warranty	
		CAR MARKET: United States, Canada	
	REFERENCE BULLETINS: PB# 23-190, TNN# 23-26	DATE: YEAR 2008 MONTH 02 DAY 08	
		Page 1 of 2	

Service Personnel: read and initial.	SERVICE MANAGER	SERVICE WRITER	WARRANTY ADMINISTRATOR

BULLETIN REFERENCE

A. RECALL CAMPAIGN 190 DESCRIPTION
B. VEHICLES INVOLVED
C. PARTS INFORMATION/PARTS RETURN
D. OWNER NOTIFICATION
E. VEHICLES IN RETAILER INVENTORY
F. RETAILER RESPONSIBILITY
G. CAMPAIGN REIMBURSEMENT PROCEDURES

A. RECALL CAMPAIGN 190 DESCRIPTION

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in the Pump Electronic Module (PEM) of certain 2004.5-2006 model S40 and V50 vehicles. Volvo has found that after long-term, reoccurring exposure to certain environmental conditions (salty-wet conditions) it is possible for the PEM to become corroded internally, causing a faulty signal to the fuel pump, resulting in low or no fuel pressure to the engine. If this occurs, the Check Engine Light may illuminate. In some cases, the vehicle may fail to start or may stall, increasing the risk of a crash. The corrective action will be to replace the PEM and install in a new location to prevent corrosion.

Owner notification is scheduled to begin in February.

This Recall affects approximately 24,000 Vehicles in the US and 5,000 in Canada.

B. VEHICLES INVOLVED

NOTE: IF APPLICABLE, RETAILER MUST CONFIRM VEHICLE ELIGIBILITY PRIOR TO BEGINNING REPAIR FOR THIS CAMPAIGN.

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All vehicles should be checked for any other incomplete recalls or service campaigns or service upgrades. All open Recall, 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. This list details all affected vehicles that are on record as being retailed or currently in stock at your facility, and is updated monthly.

C. PARTS INFORMATION / PARTS RETURN

Please refer to Parts Bulletin# 23-190.

PARTS RETURN

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

D. OWNER NOTIFICATION

In February, Volvo will begin mailing announcement letters directly to the owners of the affected vehicles.

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 190 is free of charge to the owner. If a customer presents a recall or service campaign letter for a vehicle that is not found via the VRC² inquiry function, please verify that the letter applies to the customer's vehicle and call the Warranty Assistance Desk at 1-800-807-7712 for instructions. If the Warranty Assistance Desk verifies that the vehicle qualifies for the Recall or Service Campaign, please perform the repair and place the recall or service campaign letter in the customers file. Under no circumstances should a customer be denied the required service without a confirmation from VCNA/VCCC.

G. CAMPAIGN REIMBURSEMENT PROCEDURES (SHORT FORM APPLICATION)

Labor reimbursement allowance is effective at time of release and may change in the future.

Campaign Number	Claim Type	Repair Code	Repair Description	Labor Time
190	R27039	02	Replace and Relocate PEM	0.3

Tech-*Net* Notes

"Fixed Right – First Time"

Volvo Technicians, Service and Parts Managers

NO:	23-26
DATE:	2-08-2008
MODEL:	S40 (04.5 - 2006), V50
M. YEAR:	2004-2006 (see chassis range below)
SUBJECT:	Recall 190 Pump Electronic Module (PEM)
REFERENCE:	VIDA, SMB 23-190, PB 23-190

Note! If using a printed version of this TNN, first check for the latest online version.

DESCRIPTION:

Volvo Cars of North America, LLC (Volvo) has decided that a defect related to motor vehicle safety exists in the Pump Electronic Module (PEM) of certain 2004.5-2006 model S40 and V50 vehicles.
Volvo has found that after long-term, reoccurring exposure to certain environmental conditions (salty-wet conditions) it is possible for the PEM to become corroded internally, causing a faulty signal to the fuel pump, resulting in low or no fuel pressure to the engine. If this occurs, the Check Engine Light may illuminate. In some cases, the vehicle may fail to start or may stall, increasing the risk of a crash.
The corrective action will be to replace the PEM and install in a new location to prevent corrosion.

VEHICLES AFFECTED:

Model	Chassis Range
S40 (04.5-)	000001 - 168553
V50	000001 - 169722

PARTS:

Description	Quantity	Part No.
Kit, Electronic unit	1	31261312

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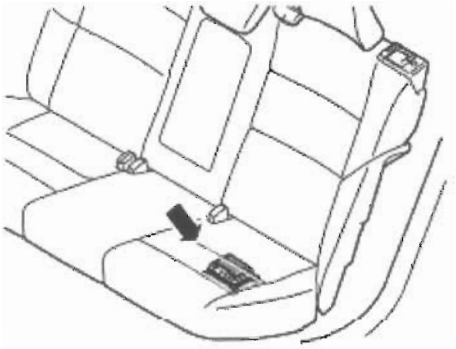

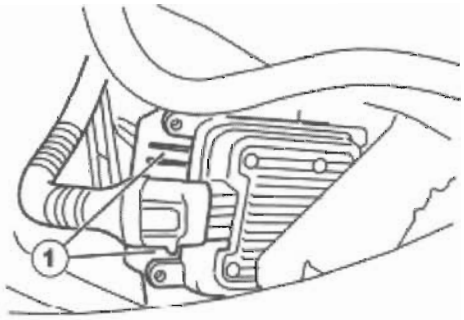

SERVICE:

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1

Information on new FP control module location

The FP control module has been moved from its previous location in front of the rear axle on the right side of the fuel tank (as illustrated).

2

Information on new location, continued

The new location is on the left side beneath the rear seat cushion and carpet as illustrated.

Replacement and relocation of FP control module

3

Preparatory work
Ignition in position 0.

Removal

4

Removing the old FP control module
Raise the vehicle.

The FP control module is located in front of the rear axle on the right side of the fuel tank.

Bend in the 2 metal tabs (1).

Remove:
– the connector from the FP control module
– the FP control module from the vehicle

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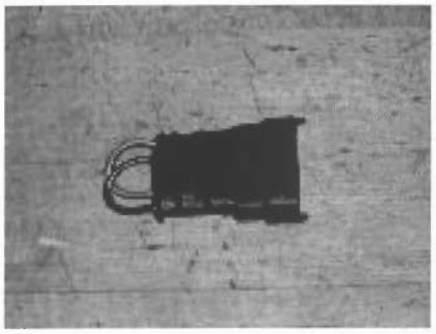

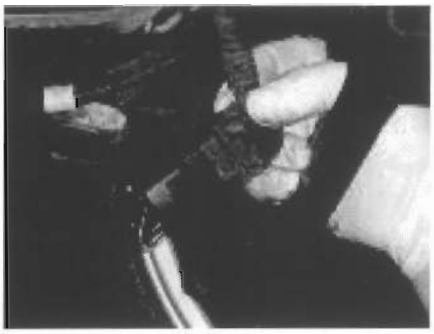

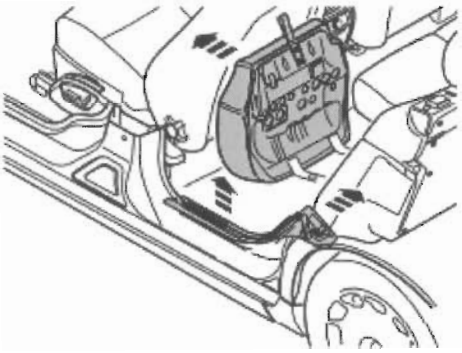

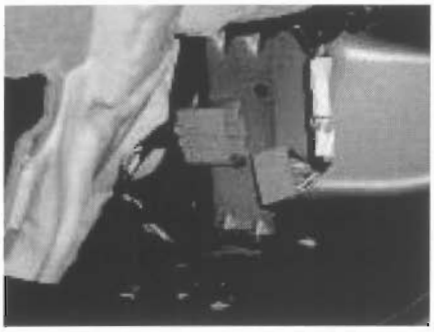

Installation

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5

Install the plug

Fit the plug from the cable harness kit to the connector.

NOTE!
Before mounting the plug for the cable harness, apply a small amount of grease in the plug. Use low temperature grease, part no. 1161761.

Use a cable tie to securely fasten the cable to the bracket.

Installing the new FP control module

6

Raise the left seat cushion of the rear seat.

Remove the scuff plate on the left side by pulling the front edge straight up and then detaching it at the rear edge.

Fold up the carpet to expose the floor and connector.

7

Installing the new FP control module, continued

Open the connector and fit the cable harness from the kit.

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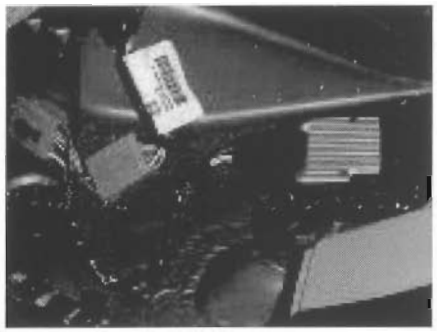

VOLVO for life,
Volvo Cars of North America, LLC

Please circulate, read and initial: _____Svc Mgr _____ Parts Mgr _____Shop Foreman

_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ TECHS

_____ Warranty Administrator _____ _____ _____ _____ _____ _____ S. Advisors

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VOLVO
GENUINE PARTS
Nothing can replace them.

Parts Bulletin

SUBJECT	GROUP	NO
Recall 190 – PEM (Pump Electronic Module) MY 2004.5-2006 S40 / MY 2005-2006 V50	23	190
	MARKET: United States, Canada	PAGE: 1 of 1

COPY TO / CIRCULATIONS (PLEASE INITIAL)				DATE	YEAR	MONTH	DAY
GENERAL MGR	PARTS MGR	SERVICE MGR	SALES MGR		2008	02	08

Reference Bulletin SMB 23-190, TNN 23–26

Volvo Cars of North America, LLC (Volvo) and Volvo Cars of Canada Corp. have announced a Recall affecting certain model year 2004.5-2006 S40 and model year 2005-2006 V50 vehicles.

The driver may experience reduced engine torque while driving and/or CEL (Check Engine Light) being lit. In addition, the customer may experience a no start situation or stalling of the engine without any prior warning.

Corrective action will be to replace and relocate the PEM (Pump Electronic Module) to the inside of the vehicle under left rear seat cushion.

The following part number applies:

Part Number	Description	Qty
31261312	Pump Electronic Module (PEM)	1

An initial allocation representing parts for 40% of the affected vehicles in stock, or retailed at your facility will be processed starting the week of February 11, 2008. After this one time allocation you may use normal ordering procedures.

"A Retailer Campaign List" will be posted on VRC² in the Reports Menu under the Service Tab. 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 service campaign.

Note - Please set your DMS to "Manual Order" on these part numbers so that you may monitor and limit your orders to actual demand.

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IMPORTANT RECALL NOTICE

[CAMPAIGN 190: 2004.5 – 2006 S40/V50
SAMPLE OWNER NOTIFICATION LETTER
UNITED STATES

February 2008

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 Pump Electronic Module (PEM) of certain 2004.5-2006 model S40 and V50 vehicles.

Volvo has found that after long-term, reoccurring exposure to certain environmental conditions (salty-wet conditions) it is possible for the PEM to become corroded internally, causing a faulty signal to the fuel pump, resulting in low or no fuel pressure to the engine. If this occurs, the Check Engine Light may illuminate. In some cases, the vehicle may fail to start or may stall, increasing the risk of a crash.

The corrective action will be to replace the PEM and install in a new location to prevent corrosion.

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 30 minutes. 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, your authorized Volvo retailer will honor your receipt with a refund. Please contact the Service Department 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 Center at 7 Volvo Drive, Rockleigh, NJ 07647 or phone 1-800-458-1552, Monday through Friday, 8:30 A.M. to 6:00 P.M. Eastern Time. You may also e-mail us at customercare@volvoforlife.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 the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to http://www.safercar.gov.

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,

Rich E. Buchheit
Manager, Customer Support