



Volvo Cars of North America, LLC

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February 12, 2007

Thomas Z. Cooper, Chief
Vehicle Integrity Division
Office of Defects Investigation
National Highway Traffic Safety Administration
Room 5326
400 Seventh Street, S.W.
Washington, D.C. 20590

NVS-212.PCO
PE06-053

Dear Mr. Cooper,

This letter and its enclosures comprise the second part of Volvos response to your request for information relating to Preliminary Evaluation PE06-053 received on November 28, 2006.

We have provided below and as separate enclosures (a combination of hardcopy and electronic documents), answers to questions # 7 through 11 using the documentation and systems available to us that in the normal course of business contain the type of information that was requested from us.

As requested, Volvos response follows a copy of the agency's questions and appears in *italic* font:

7. Produce copies of all service, warranty, and other documents that relate to, or may relate to, the alleged defect in the subject vehicles (all issued revisions), that Volvo has issued to any dealers, regional or zone offices, field offices, fleet purchasers, or other entities. This includes, but is not limited to, bulletins, advisories, informational documents, training documents, or other documents or communications, with the exception of standard shop manuals. Also include the latest draft copy of any communication that Volvo is planning to issue within the next 120 days.

Volvo Response to Request #7:

There are no documents that apply to this request.

8. Describe all assessments, analyses, tests, test results, studies, surveys, simulations, investigations, inquiries and/or evaluations (collectively, "actions") that relate to, or may relate to, the alleged defect in the subject vehicles that have been conducted, are being conducted, are planned, or are being planned by, or for, Volvo. For each such action, provide the following information:

- a. Action title or identifier;
- b. The actual or planned start date;

- c. The actual or expected end date;
- d. Brief summary of the subject and objective of the action;
- e. Engineering group(s)/supplier(s) responsible for designing and for conducting the action; and
- f. A brief summary of the findings and/or conclusions resulting from the action.

For each action identified, provide copies of all documents related to the action, regardless of whether the documents are in interim, draft, or final form. Organize the documents chronologically by action.

Volvo response to Request 8:

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redacted per
Volvo ltr - email
of 4/30/07

9. Describe all modifications or changes made by, or on behalf of Volvo, in the design, material composition, manufacturing, quality control, supply, or installation of the subject component, from the start of production to date, which relate to, or may relate to, the alleged defect in the subject vehicles. For each such modification or change, provide the following information:

- a. The date or approximate date on which the modification or change was incorporated into vehicle production identifiable by MY, date of build or VIN in the "PRODUCTION DATA" table of Request No.1;
- b. A detailed description of the modification or change;
- c. The reason(s) for the modification or change;
- d. The part numbers (service and engineering) of the original component;
- e. The part number (service and engineering) of the modified component;
- f. Whether the original unmodified component was withdrawn from production and/or sale, and if so, when;
- g. When the modified component was made available as a service component; and
- h. Whether the modified component can be interchanged with earlier production components.

Also, provide the above information for any modification or change that Volvo is aware of which may be incorporated into vehicle production within the next 120 days.

Volvo response to Request 9:

Within the enclosed CD-ROM, Volvo included a Microsoft Excel Spreadsheet titled "Request 9". This spreadsheet contains the requested information to 9A – 9H.

10. Produce one each of the following:

- a. Exemplar sample of each baseline subject component of the subject vehicle;
- b. Exemplar sample of each updated/modification components;
- c. Field return sample of the subject component exhibiting the subject failure mode; and
- d. Any kits that have been released, or developed, by Volvo for use in service repairs to the subject component/assembly which relate, or may relate, to the alleged defect in the subject vehicles.

Volvo response to Request 10:

Volvo has shipped along with this response a package via DHL Express containing the components listed below. Dependent upon the vehicle variant, there might be several different part numbers available, however, the parts listed below and submitted provides the agency with an Exemplary sample of each updated/modified component as requested in 10b above. As part of the supercession process, certain components are discarded once replaced, as a result of this process Volvo cannot provide a 'baseline' component. In addition, Volvo does not have any 'field return' samples nor have issued 'kits' related to request 10d.

<u>Part number</u>	<u>Description</u>	<u>Quantity</u>
8664405	Pressure pipe (from pump to filter)	1
30683028	Pressure pipe (from filter to engine)	1
8634852	Pressure pipe (steel tank)	1
9141498	Seal (o-ring, black)	1
8649739	Screw (plastic)	1
30769013	Fuel pump (incl RH level sender)	1
30645854	Level sender (LH)	1

11. Provide a summary description of the vehicle's fuel pump/fuel delivery system during vehicle operation, including:

- a. Functional block/flow diagram;
- b. Picture/illustration of the components and component location; and
- c. The nominal and maximum fuel/line pressure during vehicle operation.

Volvo response to Request 11:

*Volvo has provided the information for this request on the attached CD-ROM, within the folder titled "Response to Request 11"
The fuel pressures requested in 11c are provided on the drawing titled "Functional Block/Flow"*

If you have any questions, please do not hesitate to contact me, or Adam Kopstein of my Staff.

Sincerely yours,

VOLVO CARS OF NORTH AMERICA, LLC
Customer Service

A handwritten signature in black ink, reading "William Shapiro". The signature is fluid and cursive, with the first name "William" being larger and more prominent than the last name "Shapiro".

William Shapiro, P.E.
Manager, Regulatory and Product Compliance

Enclosure: CD-ROM