

VOLVO PENTA

Volvo Penta of the Americas
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Service Bulletin

Group	Number	Version
23-7	23	01

Fuel Rail Pulse Dampener Retainer Clip

See Below for Models

Distribution: M

Date: 09-2006

Binder: C

Product Safety Recall Under the Federal Boat Safety Act

Models Affected

Volvo Penta 8.1L Gasoline Sterndrive and Inboard Engines (8.1Gi, 8.1Gil, 8.1GXi, and 8.1OSi)

Serial Number Range




4012133547 through 4012167569

Campaign Information

General Motors, the manufacturer of 8.1L base engines, recently notified Volvo Penta that Product Safety Recall Bulletin #06080 applies to these engines. The attached bulletin provides the instructions for the replacement of the fuel rail pulse dampener retainer clip.

All registered owners of affected engines are being notified by Volvo Penta of the need to have the fuel rail pulse dampener retainer clip replaced by a Volvo Penta dealer. When contacted by owners, dealers are required to perform this service at no cost to the customer and to file a warranty claim as indicated below for reimbursement direct from Volvo Penta.

Federal law also requires dealers to replace defective fuel rail pulse dampener retainer clips with the heat treated clips on unsold units prior to retail sale.

-  **DANGER!** To prevent a possible fire or explosion hazard, operate the engine compartment/bilge blower as recommended by the boat manufacturer before starting this service procedure. If the engine compartment is not equipped with a blower, open the engine cover or hatch before starting so as to disperse any gasoline fumes that may be present.
-  **WARNING!** Disconnect the positive and negative battery cables at the battery before commencing any work.
-  **WARNING!** When carrying out work on the fuel system make sure the engine is cold. A fuel spill onto a hot surface or electrical components can cause a fire.

Warranty Claim Information

Warranty Type: 54

Campaign Number: 4877-1635

Failed Part #: 3847950

Reason Code: 09

Flat Rate Labor Code: 11111 Replace fuel pulse dampener retainer clip (0.5 hrs)

Parts Used in the Repair: 3847950

Qty: 1

File In Section: Product Recalls
Bulletin No.: 06080
Date: August 2006

Recall Bulletin

PRODUCT SAFETY RECALL

SUBJECT: FUEL RAIL PULSE DAMPENER RETAINER CLIP

MODELS: 2005-06 Marine L18 Engines

CONDITION

General Motors has decided that a defect, which relates to safety, exists in **certain** 2005-06 8.1L V8 (RPO L18) engines. Some of these engines have a condition in which the engine fuel rail pulse dampener retainer clip may fracture, resulting in inadequate retention of the dampener. If the dampener comes loose, a fuel leak may result and may cause a fire if an ignition source is present.

CORRECTION

Dealers are to replace the engine fuel rail pulse dampener retainer clip.

PARTS INFORMATION

Parts required to complete this recall.

Part Number	Description	Quantity/Engine
3847950	Clip-Fuel Pulse Dampener	1

SERVICE PROCEDURE

Note! The service procedure contained in this recall is different from the service procedure found in the appropriate service manual. As a result, the labor time allowance has been revised to correspond with this new service procedure.

Tools Required

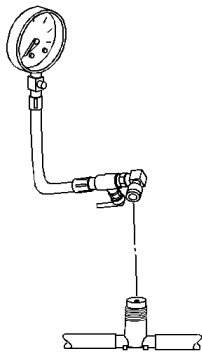
- Fuel Pressure Gauge (PN 3855533)

Service Procedure – Marine Engines

1. Disconnect the positive and negative battery cables.
2. Remove engine cover.

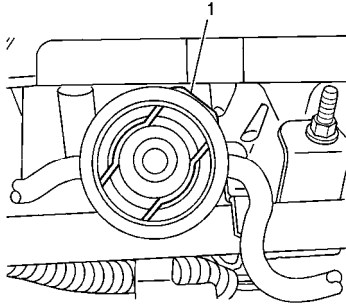


DANGER! Relieve the fuel system pressure before servicing fuel system components in order to reduce the risk of fire and personal injury. After relieving the system pressure, a small amount of fuel may be released when servicing the fuel lines or connections. In order to reduce the chance of personal injury, cover the regulator and the fuel line fittings with a shop towel before disconnecting. This will catch any fuel that may leak out. Place the towel in an approved container when the disconnection is complete.



3. Remove the fuel rail pressure cap.
4. Connect the fuel pressure gauge (PN 3855533) to the fuel pressure valve. Wrap a shop towel around the fitting while connecting the gauge in order to avoid spillage.
5. Install the bleed hose on fuel pressure gauge into an approved container.
6. Open the valve on the fuel pressure gauge in order to bleed the system pressure. The fuel connections are now safe for servicing.
7. Once the system pressure is completely relieved, remove the fuel pressure gauge.
8. Remove the bleed hose on the fuel pressure gauge from the approved container.
9. Remove the shop towel from around the fitting and discard into an approved container.
10. Disconnect the fuel pressure gauge from the fuel pressure valve.
11. Drain any fuel remaining in the gauge into an approved container.

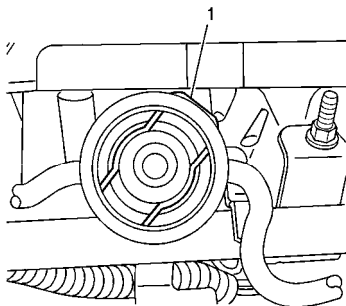
12. Install the fuel rail pressure fitting cap.



13. Clean any dirt from the fuel pressure dampener retainer (clip) and the surrounding area.

Note! Do not remove the fuel dampener from the fuel rail. If the dampener is removed the fuel dampener o-ring must be replaced.

14. Push down on the fuel dampener and remove the fuel pressure dampener clip (1) and discard.



15. Push down on the fuel dampener and install the fuel pressure dampener clip (1).

16. Connect the positive and negative battery cables.

17. Use the following procedure to inspect for leaks:

- Turn the ignition ON, with the engine OFF, for 2 seconds.
- Turn the ignition OFF for 10 seconds.
- Turn the ignition ON, with the engine OFF.
- Inspect for fuel leaks.
- Turn off ignition.

18. If a leak is discovered, disconnect the positive and negative cables from the battery before attempting repairs.

19. Repeat Steps 16 & 17 after repairing fuel leak.

20. Install engine cover.

21. Close the hatch.