

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

OFFICIAL RECALL NOTIFICATION U.S. FEDERAL BOAT SAFETY ACT – Potential failure of GM Fuel Rail Damper Retainer on 496/8.1L engines

Models Affected

Models	Serial Number
496 MAG and 496 MAG HO DTS and Non-DTS Models	0W060462 through 0W069012 0W310700 through 0W387390 0W605000 through 0W632245
8.1S and 8.1S Horizon DTS and Non-DTS Models	0W090178 through 0W090582 0W390000 through 0W397491

NOTICE

Not all products listed in the Models Affected serial number range are affected by this recall or may have already been repaired. Dealers on MercNET should first check the product's history before starting the repair. Dealers That are not on MercNET must check with their supporting Mercury agent.

Situation

General Motors has advised Mercury Marine that the fuel rail pulse damper retainer clips may fracture with exposure to vibration, corrosion, and other environmental conditions. If the clip fractures, the damper can come loose and fuel can leak from the fuel rail until the fuel pump is off and the fuel rail pressure drops. Under these circumstances a fire may occur if an ignition source is present.

Correction

The fuel rail pulse damper retainer clip must be replaced. The following steps detail the correct procedure.

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

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- Loosen the coolant reservoir mounting bolts to improve access to the Schrader valve located on the fuel rail. If necessary remove the coolant reservoir return line.



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- Using Mercury's Fuel Pressure Gauge Kit (part number 91-881833A2), bleed the pressure from the fuel rail into a suitable container. Dispose of fuel in accordance with local, state and federal regulations.



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- Remove the three nuts (10 mm) that secure the angled bracket and several engine connectors. Do not remove the connectors. Set the angled bracket aside.

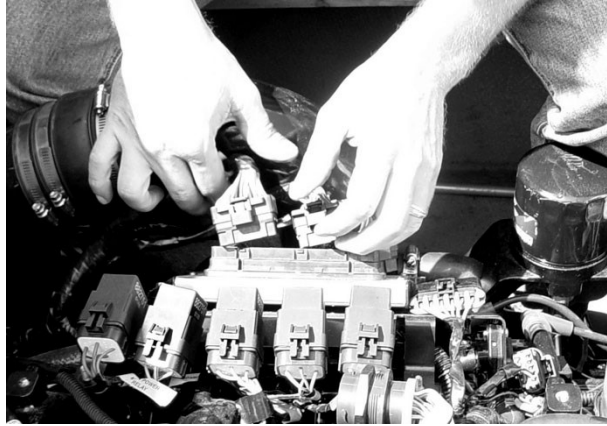


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6. Unplug the three PCM connectors.



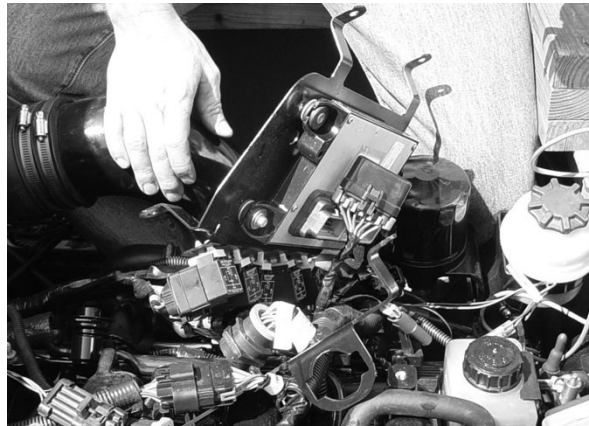
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7. Remove the three nuts (13 mm) that secure the PCM Bracket.



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8. Set the PCM bracket aside.

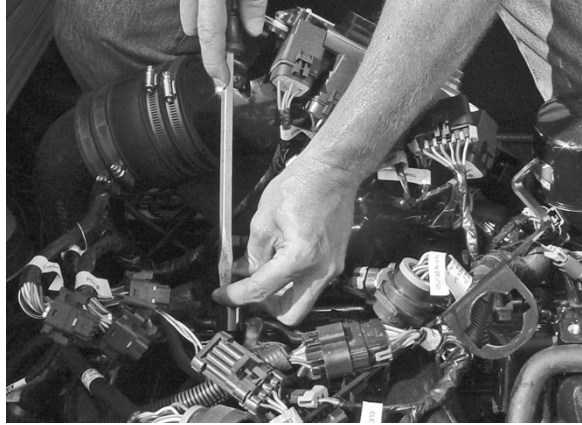


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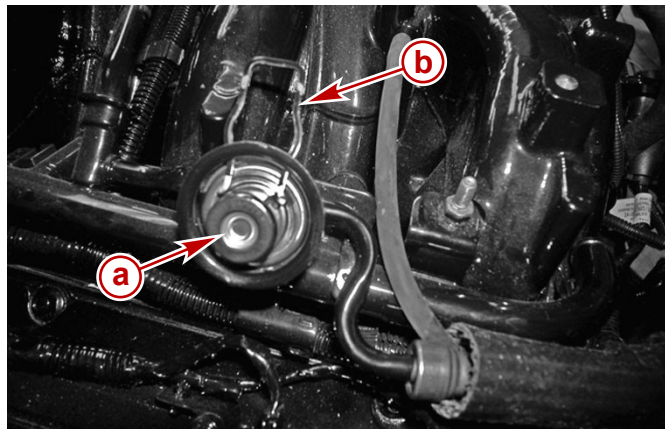
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- Place a fuel diaper underneath the fuel damper. Hold the fuel damper in place while removing the fuel damper retainer clip with a flat blade screwdriver.



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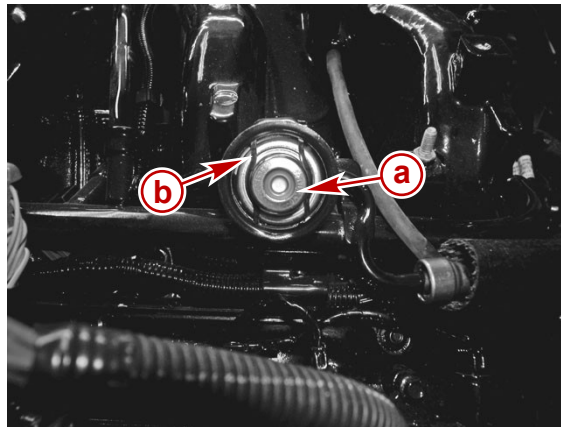


25128

a - Fuel damper

b - Fuel damper retainer clip

- Continue to apply pressure to the fuel damper and install the new fuel damper retainer clip.



25129

a - Fuel damper

b - Fuel damper retainer clip

- Install and tighten the PCM bracket.

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12. Install the PCM connectors.
13. Install and tighten the angled bracket.
14. Tighten the coolant reservoir mounting bolts
15. Install and tighten the battery cables.
16. Supply cooling water to the engine.
17. Start the engine and check for leaks. If leaks are present, shut the engine off immediately and turn off the cooling water.
18. Find the source of the leak and correct it.
19. Clean up spilled fluids and ventilate the engine compartment. Repeat as required.
20. Install the engine cover.

Parts Required

Qty.	Description	Part Number
1	Retainer Clip	8M2003533

Warranty

US Warranty: Mercury Marine will credit the dealer for the cost of parts and labor. Submit a warranty claim through your normal warranty-processing channel, listing:

- MerCruiser engine serial number.
- Labor: 0.5 hours
- Flat Rate Code: SB05
- Part Code: 757
- Failure Code: 40

International: International dealers should contact their supporting Mercury Marine International distributors for warranty provisions.

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