

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

Fuel Pressure Gauge Maintenance

NOTICE
This bulletin supersedes the previous bulletin number 2014-05, issued August 2014.

Models Affected

Models Covered	Serial Number Or Year
All Mercury EFI/DFI outboard product	N/A

Scope

Worldwide

Situation

This bulletin contains Mercury Marine's recommendations for the safe use and proper maintenance of a fuel pressure gauge. This bulletin also identifies the replacement part for a tool that is no longer available (NLA).

Fuel Pressure Gauge Connector Inspection

- Periodically inspect the fuel pressure gauge threaded connector for wear. The connector should be replaced when the minor diameter of the threads exceed 7.16 mm (0.282 in.). Quite often the threads of the fuel pressure gauge or adapter are made from brass which can wear over time. If worn, obtain a replacement from Mercury (if offered) or from a local supplier.



56482

Replace if the minor diameter of the connector exceeds 7.16 mm (0.282 in.)

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Fuel Pressure Gauge Maintenance

2. Visually inspect the fuel pressure gauge connector for a damaged or missing O-ring seal. Replace the O-ring or adapter as necessary.



Fuel Pressure Gauge Installation and Usage

NOTICE

Use caution when connecting to the engine's fuel pressure test port Schrader valve. The fuel system is under pressure so some pressurized fuel may spray out as the connection is made, which can cause a fire or explosion. Allow the engine to cool completely and cover the connection with a rag to capture any fuel spray. Always protect eyes and skin from pressurized fuel and vapors.

IMPORTANT: It is normal for a small amount of fuel to leak or spray from the fuel pressure gauge connector as the connection is being made to the engine. The leak should stop when the connector becomes fully seated onto the engine's Schrader valve. Should a leak continue after the fuel pressure gauge is fully seated onto the engine's Schrader valve, the fuel pressure gauge hose connector should be examined as described previously.

NLA Tool—Part Replacement

- Digital pressure meter P/N 91-892651A01 is no longer available.



NLA

- A digital pressure transducer kit is the recommended replacement for the digital pressure meter. This digital pressure transducer kit accurately measures pressures using a software program on the USB drive included with the kit. The fuel pressure can be monitored with CDS G3.

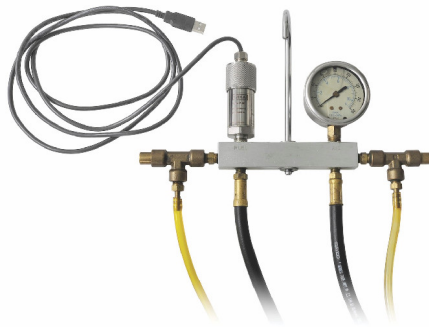
Pressure Transducer Kit	8M0105244
<p>57975</p>	Used in conjunction with the Computer Diagnostic System (CDS) to precisely measure fuel and air rail pressures.

IMPORTANT: Refer to outboard service bulletin 2015-18 for detailed instruction on downloading the USB drive software.

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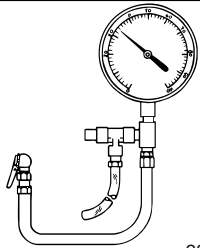
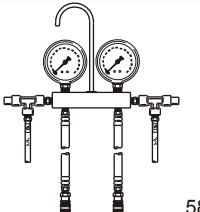



- The digital pressure transducer is used in place of the dial gauge on a fuel pressure gauge kit.



59177

Dual fuel pressure gauge kit shown, others similar


Fuel Pressure Gauge Kits and Replacement Parts Available From Mercury

<p>Fuel Pressure Gauge Kit</p>	<p>91-881833A03</p>
 <p>2807</p>	<p>Tests the fuel pump pressure; can be used to relieve fuel pressure.</p>
<p>Dual Fuel/Air Pressure Gauge Kit</p>	<p>91-881834A 1</p>
 <p>5822</p>	<p>Tests fuel and air pressure; the dual gauges allow the viewing of both pressures simultaneously.</p>
<p>O-ring</p>	<p>25-803803</p>
 <p>56484</p>	<p>Replacement O-ring seal for fuel pressure gauge connectors.</p>
<p>Adapter Kit</p>	<p>91-803135</p>
 <p>56485</p>	<p>Replacement adapter kit for fuel pressure gauge P/N 91-881833A03.</p>
<p>Adapter Kit</p>	<p>91-803804A 2</p>
 <p>56486</p>	<p>Replacement adapter kit for dual fuel/air pressure gauge P/N 91-881834A 1 and digital pressure meter P/N 91-892651A01.</p>

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Fuel Pressure Gauge Maintenance

Replacement Pressure Gauge	91-16850 1
 <p>56487</p>	Replacement gauge head for either side (air or fuel) of dual fuel/air pressure gauge P/N 91-881834A 1 or for the single fuel pressure gauge P/N 91-881833A03.

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