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Bosch 67797

BOSCH 67797 Original Equipment Fuel Pump Module Assembly User Manual

Model: 67797 | Brand: Bosch

1. INTRODUCTION

The Bosch Original Equipment Fuel Pump Module Assembly is designed to provide precise fit and superior performance, matching the specifications of the original components installed in vehicles when new. This manual provides essential information for the proper installation, operation, and maintenance of your Bosch 67797 Fuel Pump Module Assembly.

Key Features:

- **Original Equipment Fit:** Engineered to ensure perfect fit and superior performance as per original vehicle specifications.
- **Innovative Turbine Pump Technology:** Virtually eliminates fuel pulsation, noise, and hot-start issues common with older pump designs.
- **Optimal Performance:** Designed for reliable operation in extreme temperatures and low fuel conditions, ensuring extended service life.
- **Factory Tested:** Each unit undergoes end-of-line function testing to ensure high quality and performance.
- **Ready for Installation:** Includes necessary instructions and a new fuel strainer to prevent premature pump failure.
- **Vehicle Compatibility:** Compatible with select Chevrolet Express 3500, Express 4500, Suburban 2500, 3500 HD; GMC Savana 3500, Savana 4500, Yukon XL 2500.

2. SAFETY INFORMATION

Always observe the following safety precautions when handling or installing the fuel pump module:

- Ensure the vehicle's battery is disconnected before beginning any work on the fuel system to prevent electrical hazards.
- Work in a well-ventilated area to avoid inhaling fuel vapors.
- Wear appropriate personal protective equipment (PPE), including safety glasses and chemical-resistant gloves.
- Have a fire extinguisher readily available, as fuel is highly flammable.
- Relieve fuel system pressure before disconnecting any fuel lines. Refer to your vehicle's service manual for specific procedures.
- Avoid sparks, open flames, or any ignition sources near the fuel tank or fuel lines.

- Dispose of old fuel and contaminated materials according to local environmental regulations.

3. COMPONENTS INCLUDED

The Bosch 67797 Fuel Pump Module Assembly typically includes the following components:

- Fuel Pump Module Assembly
- Fuel Strainer (pre-installed or included separately)
- Installation Instructions



Figure 3.1: Front view of the Bosch 67797 Fuel Pump Module Assembly, showing the main pump body, fuel lines, electrical connector, and fuel level sender.



Figure 3.2: Angled view of the fuel pump module, highlighting the integrated fuel level sender and the robust construction of the assembly.



Figure 3.3: Side view of the fuel pump module, illustrating the various connections and the protective braiding around the wiring.



Figure 3.4: Top view of the fuel pump module, showing the mounting flange and the outlet and return fuel lines.

4. INSTALLATION GUIDE

Installation of the Bosch 67797 Fuel Pump Module Assembly requires mechanical aptitude and adherence to safety protocols. If you are unsure about any step, it is recommended to consult a qualified automotive technician.

4.1. Pre-Installation Checklist:

1. Verify that the Bosch 67797 is the correct part for your vehicle's make, model, and year.
2. Gather all necessary tools, including wrenches, screwdrivers, fuel line disconnect tools, and a fuel tank removal jack (if applicable).
3. Ensure you have a clean workspace and proper ventilation.
4. Have a new fuel tank gasket/seal available, as the old one should always be replaced.

4.2. Installation Steps (General):

1. **Disconnect Battery:** Disconnect the negative terminal of the vehicle's battery.
2. **Relieve Fuel System Pressure:** Follow your vehicle's service manual to safely relieve fuel pressure.
3. **Access Fuel Tank:** Depending on the vehicle, this may involve lifting the vehicle, removing rear seats, or dropping the fuel tank.
4. **Disconnect Fuel Lines and Electrical Connector:** Carefully disconnect all fuel lines and the electrical connector from the old fuel pump module. Be prepared for residual fuel spillage.
5. **Remove Old Module:** Unscrew or unclamp the retaining ring/lock nut and carefully remove the old fuel pump module from the tank.
6. **Install New Module:** Install the new Bosch 67797 module with a new fuel tank gasket/seal. Ensure it is properly seated and secured.

7. **Reconnect:** Reconnect fuel lines and the electrical connector. Double-check all connections for security.
8. **Prime Fuel System:** Turn the ignition to the "ON" position (without starting the engine) for a few seconds to allow the pump to prime the system. Repeat a few times.
9. **Check for Leaks:** Start the engine and carefully inspect all connections for any fuel leaks.
10. **Test Drive:** Perform a short test drive to ensure proper operation.

Note: Always refer to your specific vehicle's repair manual for detailed, model-specific installation instructions.

5. OPERATING PRINCIPLES

The Bosch 67797 Fuel Pump Module Assembly utilizes advanced **Turbine Pump Technology**. Unlike older roller-cell or gear-type pumps, turbine pumps feature a series of impellers that spin at high speeds to draw fuel from the tank and deliver it to the engine at the required pressure. This design offers several advantages:

- **Reduced Pulsation:** Provides a smoother, more consistent fuel flow, which can improve engine performance and reduce noise.
- **Lower Noise Levels:** Operates more quietly compared to traditional pump designs.
- **Improved Hot-Start Performance:** Less susceptible to vapor lock issues, ensuring reliable starting even in hot conditions.
- **Enhanced Durability:** The design minimizes wear and tear, contributing to a longer service life.

The integrated fuel level sender accurately measures the fuel level in the tank and transmits this information to the vehicle's fuel gauge.

6. MAINTENANCE

The Bosch 67797 Fuel Pump Module Assembly is designed for long-term, maintenance-free operation. However, proper vehicle maintenance practices can help ensure its longevity:

- **Keep Fuel Tank Clean:** Avoid running the fuel tank consistently on low levels, as this can expose the pump to contaminants and increase its operating temperature.
- **Use Quality Fuel:** Always use the recommended grade of fuel for your vehicle.
- **Replace Fuel Filter (if applicable):** If your vehicle has an external fuel filter, replace it according to the manufacturer's recommended service intervals to prevent debris from reaching the fuel pump.
- **Address Check Engine Lights:** If a check engine light illuminates, have the vehicle diagnosed promptly, as fuel system issues can sometimes be indicated.

7. TROUBLESHOOTING

If you experience issues with your vehicle's fuel system after installing the Bosch 67797 Fuel Pump Module Assembly, consider the following common troubleshooting steps:

Symptom	Possible Cause	Solution
Engine Cranks but Won't Start	No fuel pressure; electrical connection issue; clogged fuel filter.	Check fuel pump fuse/relay. Verify electrical connection to pump. Ensure fuel lines are not kinked. Check for proper fuel pressure at the rail.
Engine Stalls or Hesitates	Intermittent fuel supply; low fuel pressure.	Inspect fuel lines for leaks or damage. Check fuel pressure under load. Ensure adequate fuel in tank.
Fuel Gauge Inaccurate	Faulty fuel level sender; wiring issue.	Verify electrical connection to the sender. Check sender resistance (requires specialized tools).
Loud Whining Noise from Fuel Tank	Fuel pump struggling; low fuel level; clogged strainer.	Ensure fuel tank is adequately filled. Inspect fuel strainer for debris.

Disclaimer: This troubleshooting guide provides general advice. For complex issues, professional diagnosis is recommended.

8. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Bosch
Model Number	67797
Fit Type	Vehicle Specific Fit
Vehicle Service Type	Truck
Item Dimensions (L x W x H)	11.22 x 9.25 x 7.87 inches
Material	Plastic, Stainless Steel
Item Weight	0.01 Ounces
Specification Met	OE (Original Equipment)
Auto Part Position	Inner
Outlet Connection Size	0.75 Inches
Outlet Connection Type	Barb
Inlet Connection Type	Hose Barb
Gas Type	Gasoline
Mounting Type	Tank Mount
Operation Mode	Mechanical
UPC	028851777971, 077212177691

9. WARRANTY AND SUPPORT

Bosch stands behind the quality of its products. For specific warranty information regarding your 67797 Fuel Pump Module Assembly, please refer to the warranty documentation included with your purchase or visit the official Bosch Automotive website.

For technical support, installation assistance, or to inquire about replacement parts, please contact Bosch customer service or visit their official website:

[Bosch Automotive Official Website](#)

You can also find more information and products at the [Bosch Store on Amazon](#).