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› BOSCH 66060 Fuel Pump Module Assembly for Ford F-150 - Instruction Manual

Bosch Automotive 66060

BOSCH 66060 Fuel Pump Module Assembly Instruction Manual

For Select Ford F-150 Vehicles

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your BOSCH 66060 Fuel Pump Module Assembly. This assembly is engineered to meet rigorous quality standards, ensuring reliable fuel delivery for your vehicle. Please read this manual thoroughly before proceeding with installation or any related procedures.

2. SAFETY INFORMATION

Warning: Working with fuel systems can be hazardous. Improper installation or handling can lead to fire, explosion, or serious injury. Always follow these safety precautions:

- Ensure the vehicle's battery is disconnected before beginning any work.
- Relieve fuel system pressure according to the vehicle manufacturer's service manual.
- Work in a well-ventilated area to avoid inhaling fuel vapors.
- Keep open flames, sparks, and other ignition sources away from the work area.
- Wear appropriate personal protective equipment, including safety glasses and fuel-resistant gloves.
- Refer to your vehicle's specific service manual for detailed procedures and torque specifications.
- Do not smoke while working on the fuel system.

3. PRODUCT OVERVIEW

The BOSCH 66060 Fuel Pump Module Assembly is a complete unit designed for efficient fuel delivery. It incorporates patented Turbine Pump technology to minimize fuel pulsation and noise, and is built for optimal performance in various operating conditions. A new fuel strainer is integrated to protect the pump from contaminants.



Figure 3.1: Front view of the BOSCH 66060 Fuel Pump Module Assembly. This image displays the complete unit, including the pump, module, and fuel level sender.





Figure 3.2: Top view of the BOSCH 66060 Fuel Pump Module Assembly, highlighting the electrical and fuel line connections.

4. COMPATIBILITY

This BOSCH 66060 Fuel Pump Module Assembly is compatible with select Ford F-150 truck models. Always verify fitment with your vehicle's specific year, make, and model before installation.

5. INSTALLATION INSTRUCTIONS

The BOSCH 66060 Fuel Pump Module Assembly is designed for straightforward installation. However, due to the complexity of automotive fuel systems, professional installation is recommended. If performing a DIY installation, ensure all safety precautions are strictly followed.

5.1. Required Tools and Materials

- Vehicle-specific service manual
- Safety glasses and gloves
- Socket set and wrenches
- Fuel line disconnect tools (if required)
- Torque wrench
- Clean rags and fuel-safe container

5.2. Installation Steps

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative battery terminal. Relieve fuel system pressure as per your vehicle's service manual.
2. **Access Fuel Tank:** Depending on your Ford F-150 model, you may need to lower or remove the fuel tank to access the fuel pump module. Follow your vehicle's service manual for precise instructions.
3. **Disconnect Components:** Disconnect electrical connectors and fuel lines from the existing fuel pump module. Be prepared for residual fuel leakage.
4. **Remove Old Assembly:** Carefully remove the retaining ring or bolts securing the old fuel pump module to the fuel tank. Extract the old assembly, ensuring no debris falls into the tank.
5. **Inspect Tank:** Inspect the inside of the fuel tank for any contaminants or rust. Clean if necessary.
6. **Install New Assembly:** Install the new BOSCH 66060 Fuel Pump Module Assembly into the fuel tank opening. Ensure the new fuel strainer is properly positioned and the assembly seats correctly.
7. **Secure Assembly:** Secure the new assembly with the retaining ring or bolts, tightening to the torque specifications provided in your vehicle's service manual.
8. **Reconnect:** Reconnect all fuel lines and electrical connectors. Double-check all connections for security.
9. **Final Checks:** Reconnect the battery. Turn the ignition to the 'ON' position (without starting the engine) for a few seconds to allow the fuel pump to prime the system. Check for any fuel leaks.
10. **Test Operation:** Start the engine and check for proper operation and any warning lights.



Figure 5.1: Side view of the BOSCH 66060 Fuel Pump Module Assembly, showing the fuel level sender float arm. Ensure this arm moves freely during installation.

6. OPERATION

Once correctly installed, the BOSCH 66060 Fuel Pump Module Assembly operates automatically to deliver fuel from the tank to the engine's fuel injection system. Its advanced design ensures consistent fuel pressure and flow for optimal engine performance.

7. MAINTENANCE

The BOSCH 66060 Fuel Pump Module Assembly is designed for a long service life with minimal maintenance. However,

adhering to general vehicle maintenance practices can further extend its lifespan:

- Use high-quality fuel to prevent contaminants from entering the fuel system.
- Avoid consistently running the fuel tank to empty, as this can cause the pump to overheat and draw in sediment.
- Regularly check your vehicle's fuel filter (if separate from the module) and replace it according to the manufacturer's recommendations.

8. TROUBLESHOOTING

If you experience issues after installing the fuel pump, consider the following common troubleshooting steps:

- **Engine Cranks but Won't Start:** Check electrical connections to the fuel pump. Verify there is power to the pump. Ensure fuel lines are correctly connected and not kinked.
- **Poor Engine Performance/Stalling:** This could indicate insufficient fuel pressure. Recheck all connections and ensure the fuel strainer is not clogged.
- **Fuel Leaks:** Immediately address any signs of fuel leakage. Recheck all fuel line connections and the sealing gasket/O-ring around the fuel pump module.
- **Fuel Gauge Malfunction:** Ensure the fuel level sender float arm is not obstructed and its electrical connection is secure.

If problems persist, consult a qualified automotive technician or refer to your vehicle's service manual for advanced diagnostics.

9. SPECIFICATIONS

Feature	Specification
Brand	Bosch Automotive
Model Number	66060
Fit Type	Vehicle Specific Fit
Vehicle Service Type	Truck
Item Weight	1.5 Pounds
Specification Met	OE (Original Equipment)
Auto Part Position	Rear, Rear Lower
Mounting Type	Tank Mount
Operation Mode	Automatic
Product Grade	New
UPC	731413633683

10. WARRANTY AND SUPPORT

Bosch Fuel Pump Assemblies are typically backed by a Limited Lifetime Warranty, reflecting their commitment to quality and durability. For specific warranty terms and conditions, please refer to the documentation included with your product or visit the official Bosch Automotive website.

For technical support or further assistance, please contact Bosch Automotive customer service. Contact information can

usually be found on the product packaging or their official website.

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