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Walbro 400-883

Walbro 400-883 Fuel Pump Installation Kit

USER MANUAL

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Walbro 400-883 Fuel Pump Installation Kit. Please read these instructions carefully before proceeding with installation to ensure safety and optimal performance. This kit is designed to complement a Walbro fuel pump (sold separately) for specific vehicle applications.

Product Overview

The Walbro 400-883 Fuel Pump Installation Kit includes various components necessary for integrating a Walbro fuel pump into your vehicle's fuel system. These components are designed for durability and precise fitment.



An image showing all components included in the Walbro 400-883 Fuel Pump Installation Kit: a white fuel filter sock, red and black electrical wires with connectors, a black fuel hose with purple stripe, two metal hose clamps, and a translucent white plastic fuel pump isolator.

Compatibility

This installation kit is specifically designed for:

- **90-94 Eclipse Turbo FWD Only**

Ensure your vehicle matches these specifications before attempting installation.

What's in the Box

The Walbro 400-883 Fuel Pump Installation Kit typically includes the following components:

- Fuel Filter Sock
- Electrical Wiring Harness with Connectors
- Fuel Hose
- Hose Clamps (2)
- Fuel Pump Isolator/Grommet

Note: A fuel pump is not included with this installation kit and must be purchased separately.

Setup and Installation

Warning: Working with fuel systems can be dangerous. Fuel is highly flammable. Ensure proper ventilation and have a fire extinguisher readily available. Disconnect the vehicle's battery before starting any work. It is highly recommended that installation be performed by a qualified automotive technician.

1. **Safety First:** Ensure the vehicle is on a level surface, engine is off and cool, and the battery is disconnected. Relieve fuel system pressure according to your vehicle's service manual.
2. **Access Fuel Pump:** Locate and access the fuel pump assembly. This typically involves removing the rear seat or accessing from underneath the vehicle, depending on the model.
3. **Remove Old Components:** Carefully disconnect and remove the existing fuel pump, filter sock, and any associated wiring or hoses that are being replaced. Note the orientation of all components.
4. **Install New Filter Sock:** Attach the new fuel filter sock to the inlet of the Walbro fuel pump (sold separately). Ensure it is securely fastened.
5. **Install Isolator:** Place the new fuel pump isolator/grommet onto the fuel pump to ensure proper seating and vibration dampening within the fuel tank assembly.
6. **Connect Wiring:** Connect the new electrical wiring harness to the fuel pump. Ensure the polarity is correct (red to positive, black to negative).
7. **Connect Fuel Hose:** Attach the new fuel hose to the outlet of the fuel pump and secure it with the provided hose clamps. Ensure a tight, leak-free connection.
8. **Reassemble:** Carefully reinsert the fuel pump assembly into the fuel tank. Reconnect all fuel lines and electrical connectors.
9. **Test for Leaks:** Reconnect the vehicle's battery. Turn the ignition to the "ON" position (do not start the engine) to prime the fuel system. Check for any fuel leaks around the newly installed components. If no leaks are present, start the engine and re-check.
10. **Final Assembly:** Reinstall any removed vehicle components (e.g., rear seat, access panels).

Operating Principles

Once properly installed, the Walbro fuel pump (with the aid of this installation kit) will draw fuel from the vehicle's fuel tank, filter it through the sock, and deliver it under pressure to the engine's fuel rail. The electrical connections ensure the pump receives power from the vehicle's electrical system, while the hose and clamps provide a secure pathway for fuel delivery. The isolator helps reduce noise and vibration from the pump.

Maintenance

The components of this installation kit are designed for long-term durability. Regular maintenance of your vehicle's fuel system, including periodic inspection of fuel lines and connections for leaks or damage, is recommended. The fuel filter

sock should be replaced whenever the fuel pump is replaced or if it becomes clogged, as this can restrict fuel flow and damage the pump.

Troubleshooting

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

- **No Fuel Pressure / Engine Not Starting:**
  - Check all electrical connections for proper seating and continuity.
  - Verify the fuel pump fuse and relay are functional.
  - Ensure the fuel filter sock is not clogged.
  - Confirm the fuel pump itself is operational.
- **Fuel Leaks:**
  - Inspect all hose connections and clamps for tightness.
  - Check for proper seating of the fuel pump assembly and O-rings/gaskets.
- **Excessive Noise/Vibration:**
  - Ensure the fuel pump isolator is correctly installed and not damaged.
  - Verify the fuel pump is securely mounted within its housing.

If problems persist, consult a qualified automotive technician.

Specifications

Brand	Walbro
Model	400-883 (Installation Kit)
Item Weight	0.01 Ounces
Fit Type	Vehicle Specific Fit
Style	Piston
Specification Met	OE
Auto Part Position	Rear
Gas Type	Diesel
Manufacturer Part Number	400-883

Warranty Information

Specific warranty details for the Walbro 400-883 Fuel Pump Installation Kit are not provided in this manual. Please refer to the product packaging or contact Walbro directly for current warranty terms and conditions.

Customer Support

For technical assistance, installation questions, or to report issues, please contact Walbro customer support through their

official website or the retailer from whom the product was purchased. Always provide your product model number (400-883) when seeking support.

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