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› Dorman 601-240 Fuel Pump Relay Module Instruction Manual

Dorman 601-240

Dorman 601-240 Fuel Pump Relay Module Instruction Manual

Model: 601-240

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Dorman 601-240 Fuel Pump Relay Module. Please read this manual thoroughly before attempting any installation or service to ensure safe and correct usage. This module is designed as a direct replacement for specific vehicle applications, restoring proper fuel pump operation.

2. SAFETY INFORMATION

WARNING: Automotive repairs can be dangerous. Always exercise caution and follow proper safety procedures. Failure to do so may result in serious injury or damage to the vehicle.

- Always disconnect the vehicle's battery before beginning any electrical work to prevent electrical shock or short circuits.
- Wear appropriate personal protective equipment, including safety glasses and gloves.
- Ensure the vehicle is securely supported if working underneath it.
- Consult your vehicle's specific service manual for detailed instructions and torque specifications relevant to your make and model.
- If you are unsure about any step, seek assistance from a qualified automotive technician.

3. PRODUCT OVERVIEW

The Dorman 601-240 Fuel Pump Relay Module is a critical component in your vehicle's fuel delivery system. It is responsible for controlling the power supply to the fuel pump, ensuring it operates correctly to deliver fuel to the engine.



Image showing the Dorman 601-240 Fuel Pump Relay Module, a black rectangular unit with a multi-pin electrical connector on one side and mounting tabs. This module is designed for reliable performance in automotive fuel systems.

Key features of this module include:

- **Connector Type:** Screw
- **Contact Type:** Normally Open
- **Mounting Type:** DIN Rail Mount
- **Operation Mode:** Automatic
- **Number of Terminals:** 3
- **Specification Met:** OE (Original Equipment)

4. SETUP (INSTALLATION)

Installation of the Dorman 601-240 Fuel Pump Relay Module typically involves replacing the existing module. The exact location and procedure may vary significantly depending on your vehicle's make, model, and year. Always refer to your

vehicle's factory service manual for precise, step-by-step instructions.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and turn off the ignition. Disconnect the negative terminal of the vehicle's battery.
2. **Locate the Existing Module:** The fuel pump relay module is often located in the engine compartment fuse box, under the dashboard, or near the fuel tank. Consult your vehicle's service manual for the exact location.
3. **Remove the Old Module:** Carefully disconnect any electrical connectors attached to the old module. Unmount the module from its mounting location. Note the orientation and connection points for reinstallation.
4. **Install the New Module:** Position the Dorman 601-240 module in the same location and orientation as the module it replaces. Secure it using the appropriate mounting hardware (DIN Rail Mount).
5. **Connect Electrical Wiring:** Reconnect all electrical connectors to the new module. Ensure connections are secure and properly seated. The module features screw-type connectors for robust electrical contact.
6. **Reconnect Battery:** Reconnect the negative terminal of the vehicle's battery.
7. **Test Operation:** Turn the ignition to the ON position (do not start the engine immediately) and listen for the fuel pump to prime. Attempt to start the engine and verify proper fuel delivery.

Note: Some vehicles may require a diagnostic scan tool to clear fault codes or perform a relearn procedure after replacing certain electrical components. Refer to your vehicle's service manual for such requirements.

5. OPERATING

The Dorman 601-240 Fuel Pump Relay Module operates automatically as part of your vehicle's engine management system. Once correctly installed, it will receive signals from the vehicle's powertrain control module (PCM) to activate and deactivate the fuel pump as needed. This ensures that fuel is delivered to the engine at the appropriate times, such as during engine cranking and continuous operation.

The module's