

Dorman 911-006

Dorman 911-006 Fuel Level Sensor Instruction Manual

Model: 911-006 | Brand: Dorman

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of the Dorman 911-006 Fuel Level Sensor. This sensor is designed as a direct replacement for the original equipment on specified vehicles, ensuring accurate fuel level readings. Please read this manual thoroughly before proceeding with installation or troubleshooting.

PRODUCT OVERVIEW

The Dorman 911-006 Fuel Level Sensor is engineered to match the fit and function of the original sensor. It is constructed from quality components to ensure reliable performance and extended service life.

What's in the Box

- Fuel Level Sensor
- Float and Arm
- Delivery Module Gasket
- Connector Locking Tabs



This image displays all components included with the Dorman 911-006 Fuel Level Sensor: the main sensor unit with its float arm, two different sized rubber gaskets for sealing, and a separate electrical connector with locking tabs.

VEHICLE COMPATIBILITY

This Dorman 911-006 Fuel Level Sensor is compatible with the following vehicle models. Always verify fitment using your vehicle's make, model, and trim level before installation.

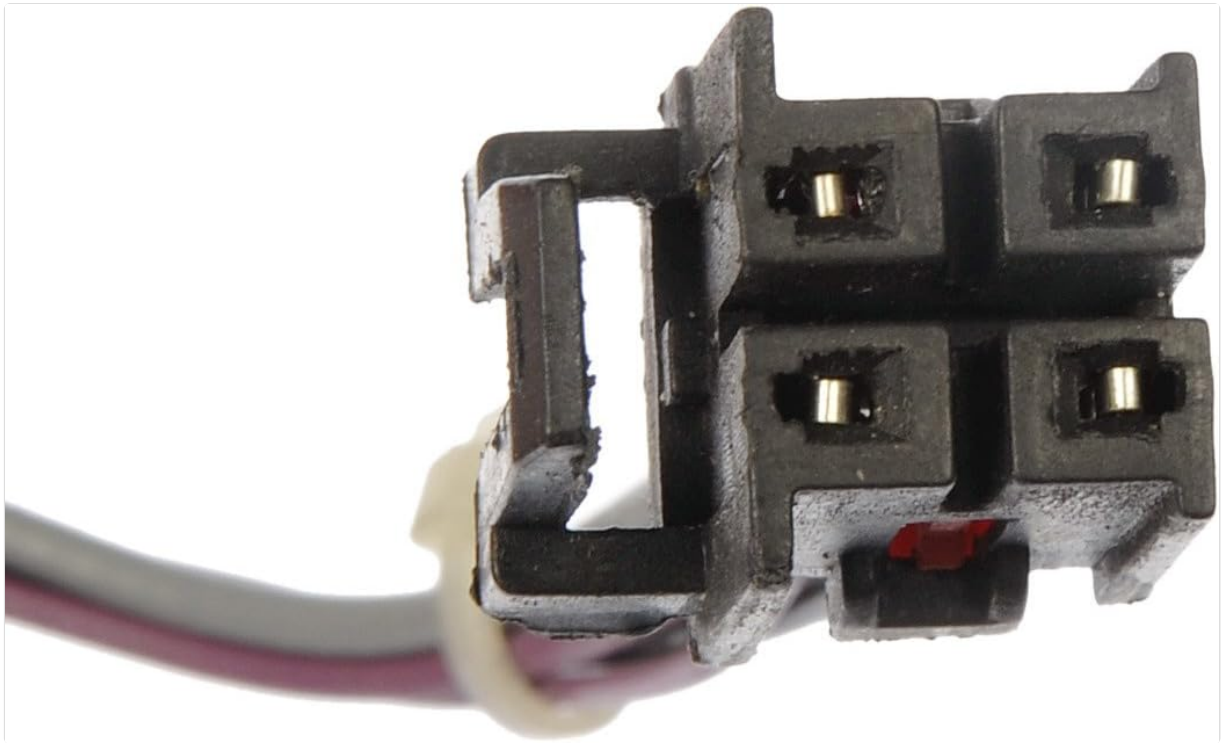
- **Chevrolet Cavalier:** 2000, 2001, 2002, 2003, 2004, 2005
- **Chevrolet Classic:** 2004, 2005
- **Chevrolet Malibu:** 2000, 2001, 2002, 2003
- **Oldsmobile Alero:** 2000, 2001, 2002, 2003, 2004
- **Pontiac Grand Am:** 2000, 2001, 2002, 2003, 2004, 2005
- **Pontiac Sunfire:** 2000, 2001, 2002, 2003, 2004, 2005

SETUP AND INSTALLATION

Installation of a fuel level sensor typically involves working with the vehicle's fuel system. Due to the complexity and safety considerations, professional installation by a qualified technician is highly recommended.

General Installation Guidelines (Consult Service Manual for Specifics)

1. Ensure the vehicle's battery is disconnected to prevent electrical hazards.
2. Safely relieve fuel system pressure according to vehicle manufacturer specifications.
3. Access the fuel tank. This may require lowering the fuel tank or accessing it from under the rear seat, depending on the vehicle model.
4. Disconnect the electrical connector from the old fuel level sensor.
5. Carefully remove the old sensor and gasket. Be prepared for residual fuel and have appropriate containment ready.
6. Install the new Dorman 911-006 Fuel Level Sensor with the provided new gasket, ensuring a proper seal to prevent leaks.
7. Connect the electrical connector securely to the new sensor.



This image shows a detailed view of the multi-pin electrical connector, which is crucial for transmitting fuel level data from the sensor to the vehicle's gauge.

8. Reassemble any removed components and reconnect the vehicle's battery.
9. Check for fuel leaks and verify proper operation of the fuel gauge by cycling the ignition and observing the fuel level indication.

Important Safety Note: Working with fuel systems can be dangerous. Ensure adequate ventilation and have a fire extinguisher readily available. Avoid sparks or open flames during the installation process.

OPERATION

The Dorman 911-006 Fuel Level Sensor operates by using a float mechanism that moves with the fuel level in the tank. This movement is translated into an electrical signal, which is then sent to the vehicle's fuel gauge, providing an accurate indication of the remaining fuel. There is no direct user interaction required for the operation of the sensor itself once installed.

MAINTENANCE

The Dorman 911-006 Fuel Level Sensor is designed for long-term, maintenance-free operation. Regular maintenance is generally not required for the sensor itself. However, ensuring the fuel system remains free of contaminants can help prolong the life and accuracy of all fuel system components, including the sensor.

- Use clean, high-quality fuel.
- Adhere to vehicle manufacturer's recommended fuel filter replacement intervals.

TROUBLESHOOTING

If you experience issues with your fuel gauge after installing the Dorman 911-006 Fuel Level Sensor, consider the following:

Common Issues and Solutions:

- **Inaccurate Fuel Readings (e.g., always full, always empty, erratic):**
 - Check electrical connections: Ensure the sensor's electrical connector is fully seated and free of corrosion.
 - Verify float arm movement: If accessible, confirm the float arm moves freely within the fuel tank without obstruction.
 - Inspect for damage: Check the sensor and float arm for any physical damage that might impede its function.
 - Consult vehicle service manual: There might be specific diagnostic procedures for your vehicle's fuel gauge system.
- **Fuel Leaks After Installation:**
 - Re-check gasket installation: Ensure the new gasket is correctly seated and not pinched.
 - Verify locking ring/fasteners: Confirm the fuel pump module or sensor assembly is securely fastened to the tank.

If problems persist, it is recommended to consult a certified automotive technician for diagnosis and repair.

SPECIFICATIONS

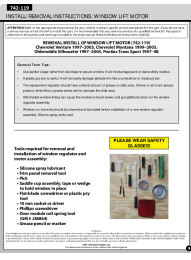
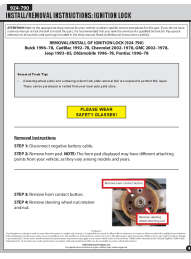



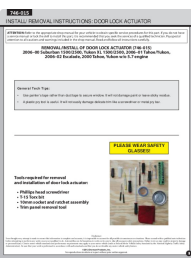
Feature	Detail
Brand	Dorman
Model	911-006
Item Weight	4.8 ounces
Product Dimensions	9 x 4.6 x 3.2 inches
Material	Plastic
Measurement Accuracy	±2%
Mounting Type	Panel Mount
Output Type	Push-Pull
Upper Temperature Rating	120 Degrees Celsius
OEM Part Numbers	5S12765; SK1153; SU14178; 22709333; 88966972

WARRANTY AND SUPPORT

Dorman products are backed by over a century of automotive experience and a commitment to quality. For specific warranty information or technical support, please refer to the official Dorman website or contact Dorman customer service directly.

You can find more information about Dorman products and support at their official store[Dorman Store on Amazon](#).

Related Documents - 911-006

	<p>Dorman 742-119 Window Lift Motor Installation and Removal Instructions</p> <p>Step-by-step guide for the removal and installation of the Dorman 742-119 Window Lift Motor for Chevrolet Venture, Montana, Oldsmobile Silhouette, and Pontiac Trans Sport vehicles.</p>
	<p>Dorman 924-790 Ignition Lock Cylinder Installation and Removal Guide</p> <p>Step-by-step instructions for installing and removing the Dorman 924-790 Ignition Lock Cylinder. This guide covers compatible Buick, Cadillac, Chevrolet, GMC, Jeep, Oldsmobile, and Pontiac models, providing detailed procedures, technical tips, and safety precautions.</p>
	<p>Dorman M39576 Brake Master Cylinder: Installation and Bleeding Instructions</p> <p>Detailed instructions for bench bleeding and installing the Dorman M39576 Brake Master Cylinder, including important warnings and technical tips for Chevrolet and Pontiac vehicles.</p>
	<p>Dorman Automotive Hardware Catalog: Comprehensive Fasteners and Components</p> <p>Explore the Dorman Automotive Hardware Catalog, featuring a wide range of fasteners, nuts, bolts, springs, and specialized tech trays for automotive repair and maintenance. Find part numbers and applications for efficient inventory and service.</p>
	<p>Chevrolet Silverado Interior Door Handle Installation and Removal Instructions</p> <p>Detailed instructions for installing and removing the interior door handle kit for Chevrolet Silverado models, including parts list and required tools.</p>
	<p>Dorman 746-015 Liftgate Lock Actuator Installation and Removal Instructions</p> <p>Detailed instructions for the removal and installation of the Dorman 746-015 liftgate lock actuator, compatible with various Chevrolet, Cadillac, and GMC models. Includes required tools and step-by-step guidance.</p>