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Bosch F00H600076

BOSCH F00H600076 Original Equipment Throttle Body

Instruction Manual

1. PRODUCT OVERVIEW

The BOSCH F00H600076 Original Equipment Throttle Body is a precision-engineered component designed to regulate the amount of air entering your vehicle's engine. Manufactured on OE production lines, this throttle body ensures superior performance and longevity, providing an exact fit, form, and function for a trouble-free installation and restoration of vehicle performance.

This unit is a true Plug & Play component, meaning no flash update is required after installation, simplifying the replacement process. It replaces OE numbers 12631016 and F00H600054. A gasket is not included with this product.



Image 1.1: The BOSCH F00H600076 Original Equipment Throttle Body. This image shows the complete throttle body unit, highlighting its robust construction and electrical connector.

2. WHAT'S IN THE BOX

- 1 x BOSCH F00H600076 Original Equipment Throttle Body

Please inspect all components upon receipt to ensure no damage occurred during shipping and that all items are present.

3. COMPATIBILITY

This throttle body is compatible with select vehicle models. Always verify specific fitment details using your vehicle's service manual or a professional automotive parts lookup tool before installation.

Compatible Vehicle Models:

- **BUICK:** 2008-2009 Allure, 2008-2009 LaCrosse
- **CHEVROLET:** 2008-2012 Colorado, 2008-2009 Impala, 2007 Monte Carlo
- **GMC:** 2008-2012 Canyon
- **HUMMER:** 2008-2010 H3, 2009-2010 H3T
- **ISUZU:** 2008 i-370
- **PONTIAC:** 2008 Grand Prix

4. SAFETY INFORMATION

- Always disconnect the vehicle's battery before performing any work on the engine or electrical system.
- Wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the engine is cool before beginning installation to prevent burns.
- Refer to your vehicle's specific service manual for detailed safety precautions and procedures.
- Keep children and pets away from the work area.

5. SETUP AND INSTALLATION

Installation of a throttle body requires mechanical knowledge and specific tools. If you are not confident in your ability to perform this installation, it is recommended to seek assistance from a certified automotive technician.

General Installation Steps:

1. **Preparation:** Park the vehicle on a level surface, engage the parking brake, and disconnect the negative terminal of the battery. Allow the engine to cool completely.
2. **Locate Throttle Body:** Identify the existing throttle body, typically located between the air intake hose and the intake manifold.
3. **Remove Air Intake:** Loosen clamps and remove the air intake hose connected to the throttle body.
4. **Disconnect Electrical Connectors:** Carefully disconnect any electrical connectors attached to the throttle body.
5. **Remove Mounting Bolts:** Unbolt the old throttle body from the intake manifold. Note that a gasket is not included with the new Bosch throttle body, so you may need to purchase a new one separately if the old one is damaged or not reusable.
6. **Install New Throttle Body:** Position the new BOSCH F00H600076 throttle body onto the intake manifold, ensuring proper alignment. Secure it with the mounting bolts, tightening them to the manufacturer's specified torque.
7. **Reconnect Components:** Reattach all electrical connectors and the air intake hose. Ensure all clamps are tightened securely.
8. **Reconnect Battery:** Reconnect the negative terminal of the battery.
9. **Initial Start-up:** Start the vehicle and check for proper operation. Since this is a Plug & Play unit, no flash update or complex programming should be required.

For detailed, vehicle-specific instructions, consult your vehicle's official service manual.

6. OPERATING PRINCIPLES

The throttle body is a critical component of your vehicle's electronic fuel injection system. It houses a butterfly valve that opens and closes to control the amount of air entering the engine. This air flow is precisely measured by sensors and communicated to the engine control unit (ECU), which then adjusts fuel delivery to maintain the optimal air-fuel ratio for combustion.

When you press the accelerator pedal, the throttle body's valve opens further, allowing more air into the engine,

which the ECU compensates for by injecting more fuel, resulting in increased engine power and speed. The BOSCH F00H600076 ensures accurate and responsive air flow control for efficient engine operation.

7. MAINTENANCE

The BOSCH F00H600076 throttle body is designed for long-lasting, superior performance and typically requires minimal maintenance. However, periodic inspection and cleaning can help ensure optimal function.

Maintenance Recommendations:

- **Inspection:** During routine vehicle maintenance, visually inspect the throttle body for any signs of damage, loose connections, or excessive carbon buildup.
- **Cleaning:** If carbon buildup is observed, the throttle body may be carefully cleaned using a specialized throttle body cleaner. Always follow the cleaner manufacturer's instructions and avoid harsh chemicals or abrasive tools that could damage the delicate internal components. It is recommended to remove the throttle body for thorough cleaning.
- **Gasket:** If the throttle body is removed for cleaning or inspection, consider replacing the gasket to ensure a proper seal upon reinstallation.

8. TROUBLESHOOTING

If you experience issues after installing the BOSCH F00H600076 throttle body, consider the following troubleshooting steps:

- **Check Connections:** Ensure all electrical connectors are securely attached and the air intake hose is properly seated and clamped.
- **Inspect for Leaks:** Listen for any hissing sounds that might indicate a vacuum leak around the throttle body or intake manifold.
- **Diagnostic Trouble Codes (DTCs):** If the Check Engine Light (CEL) is illuminated, use an OBD-II scanner to retrieve any stored diagnostic trouble codes. These codes can provide valuable information about the nature of the problem.
- **Idle Relearn Procedure:** Although this is a Plug & Play unit, some vehicles may benefit from an idle relearn procedure after throttle body replacement. Consult your vehicle's service manual for specific instructions on performing an idle relearn.
- **Professional Diagnosis:** If issues persist, it is recommended to have the vehicle diagnosed by a qualified automotive technician.

9. SPECIFICATIONS

Specification	Detail
Brand	Bosch
Model Number	F00H600076
Item Weight	2 pounds
Product Dimensions	9.8 x 6.9 x 4.9 inches
Manufacturer Part Number	F00H600076
Replaces OE Numbers	12631016, F00H600054
Gasket Included	No

Plug & Play	Yes (No flash update required)
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10. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the official Bosch Automotive website or contact Bosch customer support directly. Keep your purchase receipt as proof of purchase.

If you require technical assistance or have questions not covered in this manual, please visit the [Bosch Automotive Store on Amazon](#) or the official Bosch website for contact information.