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› PartCatalog Mass Air Flow Sensor Connector Instruction Manual for Chevrolet Cobalt (2005-2010)

## PartCatalog PC-2888331

# PartCatalog Mass Air Flow Sensor Connector Instruction Manual

Model: PC-2888331

## 1. PRODUCT OVERVIEW

This PartCatalog Mass Air Flow (MAF) Sensor Connector is an OE replacement part designed to fit and function like the original equipment. It is manufactured to OE specifications to ensure an exact fit and smooth operation within your vehicle's system. This connector is crucial for maintaining proper engine performance by ensuring the MAF sensor receives accurate electrical signals.

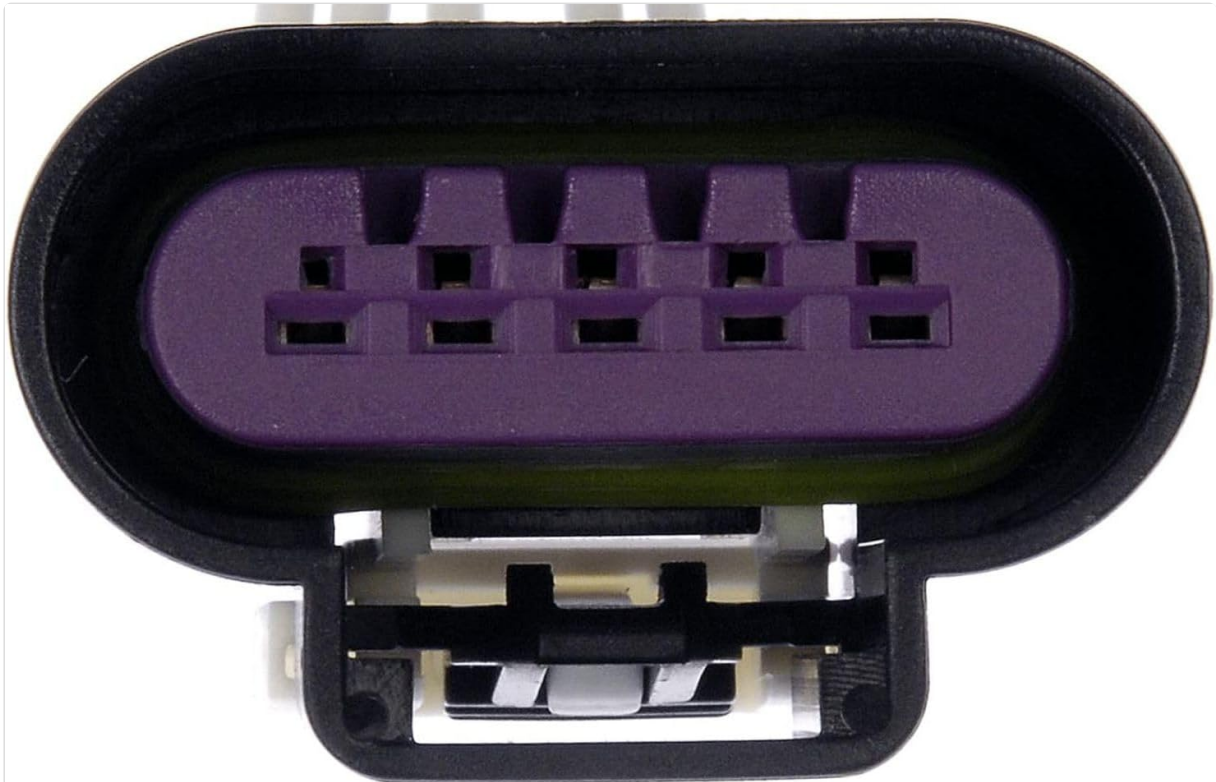


Figure 1: Front view of the PartCatalog Mass Air Flow Sensor Connector, highlighting its internal pin configuration and robust housing.

## 2. PRODUCT CONTENTS

The package includes the following components:

- 1 (One) Mass Air Flow Sensor Connector
- 5 (Five) Wire Leads (pre-attached to the connector)
- 5 (Five) Heat Shrink Butt Connectors (for splicing)



Figure 2: Contents of the package, showing the MAF sensor connector with its wiring harness and included heat shrink butt connectors for installation.

### 3. COMPATIBILITY

This Mass Air Flow Sensor Connector is designed for specific vehicle models. Please verify your vehicle's make, model, and year against the compatibility chart below to ensure proper fitment. Incorrect fitment may lead to improper function or damage.

## Fitment Chart

Please check that your vehicle is included in this fitment chart.  
If your vehicle is not listed in this chart, *this part will not fit.*

Years	Make	Model	Notes
2005-2010	Chevrolet	Cobalt	5-wire round connector for mass air flow sensor.

Figure 3: Official fitment chart for the PartCatalog PC-2888331 Mass Air Flow Sensor Connector.

## Compatible Vehicles:

- Chevrolet Cobalt: 2005, 2006, 2007, 2008, 2009, 2010

*Note: This part is specifically for a 5-wire round connector for the mass air flow sensor on the listed models.*

## 4. INSTALLATION (SETUP)

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This OE replacement connector is designed for direct replacement, offering a straightforward installation process. However, due to the electrical nature of the component and its critical role in engine management, professional installation by a qualified technician is recommended.

1. **Safety First:** Disconnect the vehicle's battery before beginning any electrical work to prevent short circuits or electrical shock.
2. **Locate the MAF Sensor:** Identify the existing Mass Air Flow sensor and its connector in your vehicle. It is typically located between the air filter box and the throttle body.
3. **Remove Old Connector:** Carefully disconnect the old MAF sensor connector. If the connector itself is damaged, you will need to cut the wires leading to it. Note the wire colors and their positions.
4. **Prepare Wires:** Strip a small portion of insulation from the vehicle's existing MAF sensor wires and the new connector's wires. Ensure a clean, secure connection.
5. **Splice New Connector:** Using the provided heat shrink butt connectors, carefully splice the new connector's wires to the corresponding wires on your vehicle's harness. Match wire colors precisely. Apply heat to the butt connectors to create a sealed, waterproof connection.
6. **Connect to MAF Sensor:** Once the new connector is securely wired, plug it into the Mass Air Flow sensor. Ensure it clicks into place firmly.
7. **Reconnect Battery:** Reconnect the vehicle's battery.
8. **Test System:** Start the vehicle and check for any warning lights or abnormal engine behavior. It may be necessary to clear any stored diagnostic trouble codes (DTCs) using an OBD-II scanner.

*Always refer to your vehicle's specific service manual for detailed wiring diagrams and procedures.*

## 5. OPERATING INSTRUCTIONS

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The Mass Air Flow Sensor Connector is a passive electrical component. Once properly installed, it operates continuously as part of your vehicle's engine management system, transmitting signals from the MAF sensor to the Engine Control Unit (ECU). No user interaction is required for its operation.

Ensure that the connector remains securely attached to the MAF sensor and that the wiring is free from damage or corrosion to maintain optimal performance.

## 6. MAINTENANCE

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The PartCatalog Mass Air Flow Sensor Connector is designed to be maintenance-free under normal operating conditions. Regular maintenance of the connector itself is not required.

However, it is advisable to periodically inspect the connector and its wiring during routine vehicle maintenance for any signs of:

- Physical damage or cracks in the housing
- Corrosion on the electrical terminals

- Loose connections
- Fraying or exposed wires

Address any issues promptly to prevent potential engine performance problems.

## 7. TROUBLESHOOTING

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If you experience issues after installing the new MAF sensor connector, consider the following troubleshooting steps:

- **Check Connections:** Ensure the connector is fully seated on the MAF sensor and that all wire splices are secure and properly insulated.
- **Verify Wiring:** Double-check that the wires from the new connector are spliced to the correct corresponding wires on the vehicle's harness (color-to-color match). Incorrect wiring is a common cause of malfunction.
- **Inspect MAF Sensor:** Confirm that the MAF sensor itself is clean and functioning correctly. A dirty or faulty sensor will still cause issues even with a new connector.
- **Scan for Codes:** Use an OBD-II scanner to check for any diagnostic trouble codes (DTCs). These codes can provide specific information about the nature of the problem.
- **Professional Diagnosis:** If issues persist, it is advisable to seek diagnosis from a certified automotive technician.

## 8. SPECIFICATIONS

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<b>Brand</b>	PartCatalog
<b>Model Number</b>	PC-2888331
<b>Manufacturer Part Number</b>	PC-2888331
<b>ASIN</b>	B0D73RMLQC
<b>Connector Type</b>	5-wire round connector
<b>Compatibility</b>	Chevrolet Cobalt (2005-2010)

## 9. WARRANTY AND SUPPORT

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PartCatalog products are manufactured to high-quality standards. For information regarding product warranty, please refer to the warranty documentation provided with your purchase or visit the official PartCatalog website.

For technical support, installation assistance, or any product-related inquiries, please contact PartCatalog customer service through their official channels. When contacting support, please have your product model number (PC-2888331) and purchase details readily available.

