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## Part Number 350100 1985-89 Adjustable Mass Airflow Sensor for 5.0 & 5.7 Chevrolet Engines

### Application listings

1985-89 F-body w/305 c.i. & 350 c.i. engines / 1985-89 Y-body w/ 350 c.i. engines

### Introduction

This product is the first of its kind. It is an inexpensive replacement mass airflow sensor to improve the performance potential of 1985 through 1989 General Motors, 305 and 350 cubic inch engines without sacrificing drivability. Furthermore this replacement Mass Airflow Sensor has higher reliability than the original equipment unit. It is also **PATENTED**. The Granatelli unit flows up to 30% higher airflow rate than the original equipment unit and you don't have to tear out the screens or grind down and parts inside! Our unit is the only unit available that features **ADJUSTABLE CALIBRATION** build right into the unit itself. With the gain in horsepower from performance camshafts, high flow cylinder heads and tuned exhaust systems, production mass airflow sensors become too restrictive. This lead to the Granatelli Mass Airflow Meter. This unit is sure to enhance the effectiveness of other performance equipment already installed or of future installations.

This unit fits all applications that use 1985-89 305 & 350 TPI engines utilizing the Mass Airflow Sensor to control the Fuel Injection System. It is a **direct replacement** for the original part. No modifications of the vehicle are required to install this unit. It is design to replace the OE part numbers: 0280213002, 0280213004, 0280213009, 10055877, 14081243 & 14094712

### Overview

The mass airflow system measures airflow directly with an electronic sensor. A sensing element in the airstream of the intake provides an output voltage reading that is proportional to the mass air flowing into the engine. The mass airflow system reduces the calculations required to control fuel flow and ignition spark advance. It reacts quickly and accurately to the changes in airflow, while improving overall vehicle performance. The smooth design of the inlet tube improves the airflow to the intake system in the most economical way.

### System Features

Improved Airflow	No electrical modifications
Less pressure drop than Production models	expanded dynamic range with high measurement accuracy
Real calibration of elements to For proper emissions and performance	Simple bolt-in design
Built-In Adjustable A/F Ratio Screw for perfect idle and top end calibrations	



### Installation steps

1. Disconnect Battery (negative side first)
2. Using a flat-blade screwdriver or an 8mm (5/16) socket. Loosen the hose clamps that attached the existing mass air meter to the air inlet tube and throttle body. Remove the air inlet tube from the mass air meter by grasping the meter in one hand and the tube in the other. Using a twist pull motion, separate the two parts.

*Note: Do not use a screwdriver to pry the hose off the mass air meter. Damage to the stock meter or personal injury may result.*

3. Disconnect the wiring harness connector to the mass air meter. This can be done easily by grasping the connector and pulling while holding the bottom tab away from the connector.

*Note: The connector may stick to the meter connections. If this occurs, carefully pry away the connection with a small flat-blade screwdriver.*

4. Reverse steps 1 through 3 for installation of new GMS Mass Airflow Sensor.
5. Very Important – Start Engine and warm up vehicle to normal operating temperature
6. **Factory Preset Calibration** – The preset adjustment is calibrated for stock unmodified engines. No additional adjustments are necessary. Stock engines will benefit from the approximate 30% increase in airflow (CFM) and state of the art 21<sup>st</sup> century electronics.
7. **Performance & Drivability Calibration** – The built in adjustment screw is designed to control the signal (frequency) output of the Mass Airflow Sensor. Clockwise increases the output (rich) and counter-clockwise decreases output (lean). No two engines have the same appetite for fuel so final results have a direct bearing on the modifications performed on the individual engine. Once "dialed" in you will notice smoother idle characteristics and improved A/F under full throttle.

### **Limited Warranty and Liability Agreement**

Granatelli Motorsports is a California Corporation and warrants that, at the time of delivery of the Product, and for a period of ninety (90) days thereafter, that the Product shall be free of defects in parts and workmanship which could substantially affect the Product's performance and that the Product will conform to the written specifications and description of the Product provided to the Customer.

The extent of Granatelli Motorsports' liability under this warranty shall be limited to the prompt correction or replacement, at Granatelli Motorsports' option and at no cost to the customer other than return shipment, of any defective part of the product determined to be necessary by Granatelli Motorsports. This only applies if written notice of the claimed defect was received by Granatelli Motorsports prior to expiration of the warranty period.

This warranty shall not apply if (I) the Product, or any part thereof is not used in accordance with the operating parameters specified by Granatelli Motorsports; (II) The Product, or any part thereof, is disassembled, altered, modified or converted for any other use than that intended by Granatelli Motorsports without prior written approval from Granatelli Motorsports; (III) This Product is damaged or rendered unserviceable due to negligence, vandalism, theft, fire, debris or other peril, malfunction of equipment, or by any cause within the Customer's control.

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