



## Walker Products – Mass Air Flow Sensors

### ***What is a “Mass Air Flow Sensor”?***

The Mass Air Flow Sensor (MAF) measures the amount of air by weight through changing voltages and sends this information to the vehicle’s onboard computer. The computer then uses this, with other input, to calculate the correct amount of fuel to be delivered to the engine. It is typically located downstream of the air filter. The computer balances this measured air flow with the fuel input by adjusting the injector pulses.

### ***What happens when the MAF fails?***

When a MAF malfunctions, you may see these symptoms:

- Lower fuel economy
- Engine code(s) P0101 MAF out of range, P0102 low MAF, P0103 high MAF, or P0104 or P1100 MAF intermittent
- Hard or no starting, along with rough idling
- Higher emissions



### ***What should you know when replacing the MAF?***

It is important to properly diagnose the MAF system as the process will vary per application, but there are some general things to check when a MAF problem has occurred:

- **Absent or dirty air filter** – Causes incorrect air flow measurement
- **Malfunctioning electrical connections** – specifically on MAF
- **Dirty or contaminated MAF** – causing incorrect air flow measurement

As you already know, MAFS diagnostics are very application specific. From dozens of OBD II trouble codes, to unique system and electronics configurations, always be sure to rely on proper service information and bulletins!

### ***Why should you trust Walker Products for MAF?***

Walker Products knows Engine Management and is an expert in Mass Airflow Sensor technologies. Walker Products MAF sensors are always 100% NEW and NEVER remanufactured! All sensors are 100% programmed and tested for fit, form, and function before being available to be sold. As an industry leading program, Walker Products manufactures high demand SKUs in our USA facilities with OEM quality components, custom engineered circuit boards, and programming.



Many of the Walker MAF parts are designed and built here in the USA at Walker Products facilities. The Walker Mass Air Flow Sensor program offers replacement sensors in both Sensor Only and Complete Sensor and Housing Assemblies. Sensor only replacement is typically faster and more economical, but some manufacturers recommend that you replace the complete housing assembly to ensure the connector air tubes are clean and to protect the sensor itself, which can be damaged by oils on your hands or even air pollution.



Walker Products Mass Airflow Sensors stand apart from the competition due to the focus on ensuring customers receive the best product possible. The most popular applications are made entirely in the United States which allows for the highest quality sensors. When it comes to MAFs, it is vital that they are properly tuned to the vehicle, which is why Walker's team of engineers work to create sensors that have custom tuned flow characteristics for the full flow spectrum. Walker MAFs continue to meet or exceed OE long-term fuel trim percentages, and calibrations go through 100% production testing and are always verified using on vehicle testing. Walker Products provides our customers with the confidence that they are investing in nothing short of the best.

Walker Products began supplying the fuel system needs of the automotive industry in 1946. Today, Walker is an ISO 9001/ IATF16949 certified manufacturer, and one of the largest privately owned manufacturers of fuel system components and engine sensors. Walker Products is committed to supplying products manufactured to meet or exceed OEM standards and specifications – an effort backed by in-house manufacturing, product management, and dedicated engineering teams to ensure precise accuracy in the production of the highest quality parts, vehicle applications, and technical support.

The next time you are servicing a vehicle with a check engine light, look no further than the Engine Management Experts – trust Walker Products for all your fuel, ignition, and engine sensor needs so you can complete the job right the first time.

To learn more about Walker Products and their extensive Engine Management capabilities, please visit [walkerproducts.com](http://walkerproducts.com) .