

# Air mass meters 2014 bosch south africa

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**How does a Bosch MAF sensor work?** A mass air flow (MAF) sensor responds to the amount of air flowing through a chamber containing the sensor. It is intended to be insensitive to the density of the air. The sensor for volume consumption of air is used in many systems for management of engines for measuring value of the transitory cost of air.

**What are symptoms of a failing mass air flow sensor?**

**How long does a mass air sensor last?** A mass air flow typically last between 80,000 miles to 150,000 miles. Proper maintenance of the mass air flow and cleaning it will help prolong its life.

**What does an air mass meter do?** The air mass sensor, also known as the mass air flow meter, is installed between the air filter housing and the intake manifold. Its job is to determine the air mass flowing into the engine and report this data to the engine control.

**What happens when the MAF sensor goes out?** MAF sensor failure can cause the engine computer to miscalculate the amount of injected fuel. When this happens, the engine can malfunction.

**How do I know if my MAF sensor needs to be cleaned?**

**Is it okay to drive with a bad mass air flow sensor?** Although in some cases, you may technically be able to continue driving with a bad MAF sensor, you should address the issue as soon as possible. A faulty MAF can damage other parts of your vehicle, such as the catalytic converter. What's more, some cars won't even run when the MAF fails.

**What happens if I don't fix my mass air flow sensor?** Without a proper signal from the mass air flow sensor, the powertrain control module (PCM), which manages the engine, transmission, and other systems in your car, won't know how much fuel the engine needs. This can either cause the engine to run too lean (too little fuel) or too rich (too much fuel).

**How much does it cost to replace a mass airflow sensor?** The average cost for mass air sensor replacement is \$452 to \$524. Enter your vehicle's information to see how much mass air sensor replacement costs in your local area.

**Do I need to reset the computer after replacing the MAF sensor?** When you remove the MAF sensor, your vehicle's engine control module will need to reset. Removing the battery terminal and discharging the battery for 10 minutes will force a full ECM reset.

**How do I know when my MAF sensor needs replacing?**

**Is it a good idea to clean the mass air flow sensor?** In addition to fixing problems you've had with your engine running or idling roughly, cleaning the mass air flow sensor can help improve your gas mileage and maintain drivability performance.

**How to check if the MAF sensor is working?** Connect the black probe to a good ground point, such as the battery negative terminal or the engine block. Turn on the ignition key, but do not start the engine. The multimeter should read between 0.5 and 1.5 volts. If the voltage is out of range, the MAF sensor is bad and needs to be replaced.

**Can a car run without a MAF sensor?** no, because the MAF measures the amount of air into the engine along with air temperature.

**What is the code for a bad MAF sensor?** Error code P0101 indicates that there is an issue with your mass airflow sensor (MAF). In this case, the MAF is out of its intended range. Other codes ranging from P0100-P0109, P0505-P0507, and P2096-P2099 often appear simultaneously with this code, given their similar proximate causes.

**What is the lifespan of a MAF sensor?** Mass air flow sensors are designed to last the lifetime of your vehicle. In fact, they have no scheduled replacement interval. For this reason, the sensor is generally not replaced until it fails.

**Is it bad to unplug your MAF sensor?** Can you drive a car with the mass air flow sensor unplugged? Yes but it's not going to run as well. The car will revert to preprogrammed fueling maps that run rich, and it may pull timing too. Because of this, you'll likely see decreased mpg, rougher idle, and weaker acceleration.

**Will a car start with a bad MAF sensor?** One sign that you have problems with the MAF is your vehicle will become difficult to start or refuse to turn over. You might immediately think the battery is the problem, and it could be, but it might also be a dead mass airflow sensor that is creating the problem.

**What can a bad MAF sensor cause?** Your car's Mass Airflow sensor, or MAF sensor, can cause several problems with how your engine runs, including but not limited to rough idle, mild to severe hesitation, loss of power, poor fuel economy, and even the engine stalling – yes, even in an automatic car.

**Can a dirty air filter cause the MAF sensor to go bad?** The air filter may be the MAF sensor's first line of defense via the engine's air intake system, but a clogged, low quality or dirty air filter can actually become the source of MAF sensor damage if any contamination bypasses it.

**Can a MAF sensor be cleaned without removing it?** Removing the sensor is recommended for best results, but it's not necessary. Apply 10 to 15 short bursts of CRC MAF cleaner to the hot wire or hot plate. Keep the end of the straw 100 to 120 mm away from the hot wire while spraying.

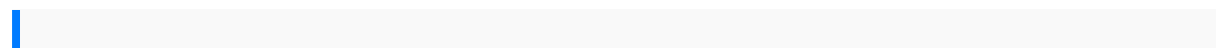
**What does unplugging the MAF sensor do?** When the car runs with the MAF unplugged the MAF is bad, trying to drive with it unplugged it will not accelerate properly and might leave you stranded. It will not damage any other parts, just be aware it may go into fail-safe or quit accelerating all together.

**How do you check if the MAF sensor is working?** 4 Test the MAF sensor Connect the black probe to a good ground point, such as the battery negative terminal or the engine block. Turn on the ignition key, but do not start the engine.

The multimeter should read between 0.5 and 1.5 volts. If the voltage is out of range, the MAF sensor is bad and needs to be replaced.

**Does it matter which way the mass air flow sensor goes?** The MAF sensor should be mounted on the top 180-degrees of the intake tube.

**What should the voltage be on a MAF sensor at idle?** Voltage at idle should be 0.9 volts rising up to 1.9 volts at 2500 rpm, if voltage is frozen the maf has failed. If the MAF isn't switching voltage ranges as the RPMS change then it is bad.



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