



Technical Brief

Subject: Mass Air Flow Sensor Cleaner, Part no. #05110

What is a Mass Air Flow sensor?

Mass Air Flow (MAF) sensors are used on significant numbers of newer vehicles including some GM, Ford and import multiport fuel-injected engines to measure the volume of air entering the engine. The MAF sensor is crucial to the fuel systems operation because it is the sensor that the engine computer uses to measure how much air is entering the engine so that it may correctly deliver the necessary amount of fuel. There are two basic types of MAF sensors: hot-wire or hot-plate and they are located in the air intake stream or duct between the air filter and the throttle body.

Why should the MAF sensor be routinely cleaned?

A dirty MAF sensor hot wire may cause many problems including difficult starting, poor accelerations, pinging, rough idling, loss of horsepower and a decrease in fuel economy. **CRC** recommends the sensor be cleaned every time the air filter is replaced.

How do you clean the Mass Air Flow sensor?

1. With the engine off and cool, locate your MAF between the air box and throttle body.
2. Unplug the MAF wire harness and then remove the housing. (Typically a screwdriver will work or you may need a T-20 TORX® Security bit.)
3. Place a shop towel or rag under the MAF housing to catch any run-off. With straw attached to nozzle, apply 10-15 sprays of **CRC Mass Air Flow Sensor Cleaner** onto the hot wires or hot plate and thermistor inside the housing making sure all sides, wires and connectors are also cleaned.
4. Reassemble the MAF and allow to thoroughly dry before reactivating.
5. **For optimum performance, clean the MAF sensor every time the air filter is cleaned or replaced.**

Why should you use Mass Air Flow Sensor Cleaner instead of a general purpose degreaser or cleaner/lubricant?

CRC's Mass Air Flow Sensor Cleaner has been developed to clean all of the road type soils found in the sensors without harming the sensitive plastics or leaving a residue on the wires or plates which will decrease engine performance. Most general purpose degreasers will adversely affect plastics, rubber o-rings and painted parts while **CRC's Mass Air Flow Sensor Cleaner** will not. In addition, it evaporates quickly and completely without leaving any residue.

With Frequent Cleaning of your vehicles MAF sensor what benefits would you expect?

Improved performance and reliability of the Mass Air Flow sensor can lead to improvements in the vehicles Air/Fuel ratio, horsepower and MPG.