



**Application:** Corvette 1997-2000

**Part Includes**

1 - Mass Air Flow Sensor

## Mass Air Flow (MAF) Sensor



### Tools Needed



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### STEP 1.

Disconnect the negative battery terminal. Disconnect the mass airflow sensor (MAF) and inlet air temperature sensor (IAT) connectors.

### STEP 2.

Loosen the worm gear clamp at the throttle body. Remove the fuel pressure regulator vacuum line (if equipped) from the air intake bellow. Separate the air intake bellow from the throttle body. Disconnect the AIR hose from the air cleaner assembly (if equipped).

### STEP 3.

Release the air intake bellow from the upper radiator support grommet studs by carefully prying upward on the rubber air intake bellow grommets. Release the air cleaner assembly, with the rubber grommets, from the air cleaner assembly mounting studs.

### STEP 4.

Remove the air cleaner assembly, mass airflow sensor, and air intake bellow from the vehicle as a one-piece unit. Place the entire unit on a suitable work surface.

### STEP 5.

Loosen the worm gear clamp at the air cleaner assembly to mass airflow sensor seal. Remove the air cleaner assembly from the mass airflow sensor. Remove the seal and worm gear clamp from the air cleaner assembly.

### STEP 6.

Loosen the worm gear clamp at the air intake bellow to mass airflow sensor seal. Remove air intake bellow from the mass airflow sensor. Remove the seal and worm gear clamp from air intake bellow.

### STEP 7.

Install the 3-3/4" x 1-3/8" straight sleeve with notch, included in bellow kit, over the air intake bellow with the notch positioned towards the mass airflow sensor. Position two worm gear clamps, one from air intake bellow to mass airflow sensor seal and the other from the bellow kit, over the 3-3/4" x 1-3/8" straight sleeve with notch. Do NOT tighten down the worm gear clamps yet. Install the mass airflow sensor to the air intake bellow. Correctly align the notch in the straight sleeve to the protrusion on the mass airflow sensor. Tighten the worm gear clamps.

**NOTE: THE MASS AIRFLOW SENSOR MUST BE FULLY SEATED, ABOUT 1" INTO THE PLASTIC END OF THE AIR INTAKE BELLOW OR THE UNIT WILL NOT CORRECTLY FIT THE VEHICLE. BE SURE TO CHECK AIRFLOW INDICATOR ARROWS ON THE MASS AIRFLOW SENSOR FOR CORRECT INSTALL DIRECTION (SCREEN SHOULD FACE AIR CLEANER ASSEMBLY).**



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## **Description (cont.)**

### **STEP 8.**

Install the 3-3/4" x 2" straight sleeve over the air cleaner assembly. Position two worm gear clamps, one from air cleaner assembly to mass airflow sensor seal and the other from the high flow mass airflow sensor kit, over the 3-3/4" x 2" straight sleeve. Do NOT tighten down the worm gear clamps yet. Install the air cleaner assembly to the mass airflow sensor. Be sure to correctly align the air cleaner assembly to the mass airflow sensor to ensure correct fit on the vehicle. Tighten the worm gear clamps.

### **STEP 9.**

Place the air cleaner assembly, high-flow mass airflow sensor, and air intake bellow into the vehicle as a one-piece unit.

### **STEP 10.**

Install the air cleaner assembly, with the rubber grommets, over the air cleaner assembly mounting studs. Install the air intake bellow to the upper radiator support grommet studs by carefully pushing downward on the rubber air intake bellow grommets.

### **STEP 11.**

Connect the AIR hose from the air cleaner assembly (if equipped). Connect the air intake bellow to the throttle body. Tighten the worm gear clamp at the throttle body. Install the fuel pressure regulator vacuum line (if equipped) to the air intake bellow.

### **STEP 12.**

Connect the mass airflow sensor (MAF) connector using the MAF wire adapter harness. The connectors **MUST BE ALIGNED** such that they operate properly. Note: Be sure to connect MAF wire adapter harness **CORRECTLY**. The lock/release mechanism on the female connector **MUST** snap over the locking tab on the male connector. If the connectors are not snapped together properly the vehicles electrical system and the high-flow mass airflow sensor will be damaged **VOIDING ANY WARRANTY**.

### **STEP 13.**

Connect the inlet air temperature sensor (IAT) connector. Connect the negative battery terminal.