

Thank you for choosing a CGS Intake System™ to power your vehicle. These instructions will take you through the installation of your new air intake system for your vehicle. We always recommend that you keep your stock air intake system in storage in case you might need it later.

*Kit includes:* filter, air intake tube, billet mass airflow sensor adapter, mass airflow sensor gasket, (4) 1/4" hex bolts and nuts, (4) hose clamps [(3) 3" and (1) 3 1/2" diameter], (2) red connecting hoses (1/2" and 3/4" diameter), (2) 3" red connecting hoses, and rubber grommet.

*Tools required:* 10mm wrench, 9/16" wrench and 5/16" nut driver.

**1) Removing stock air intake system**

Remove cover over throttle body by loosening the 3 10mm bolts (fig. 1).

Remove the 2 breather hoses (fig. 2).

Remove sensor (fig. 3).

Remove hose clamp at throttle body (fig. 4) and at air box (fig. 5). Pull out stock intake tube. Unclamp air box strap (fig. 6) and remove filter from box.

Pull the fender-side of the box up and out (fig. 7 below).

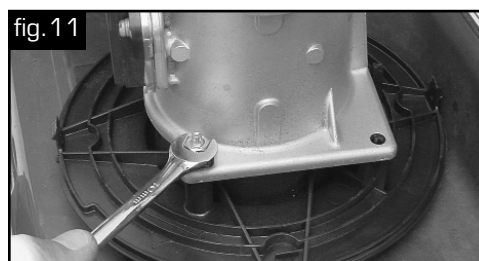
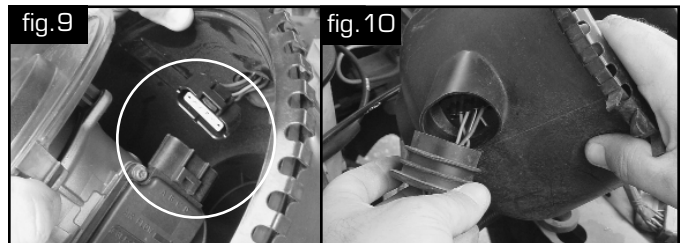
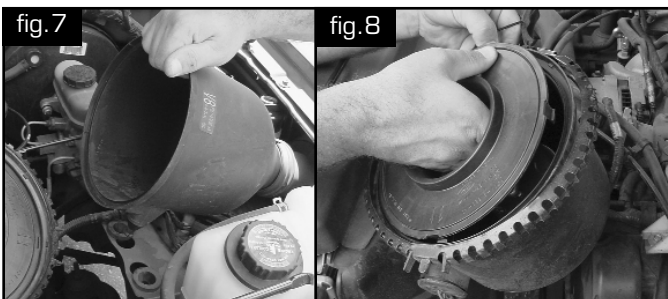
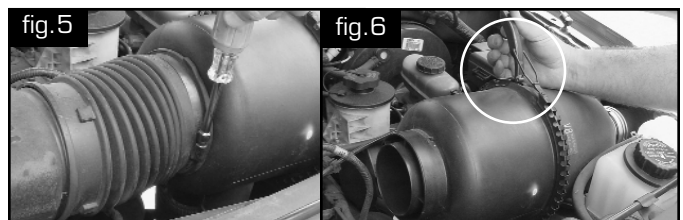
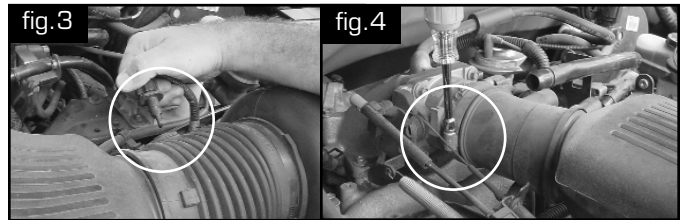
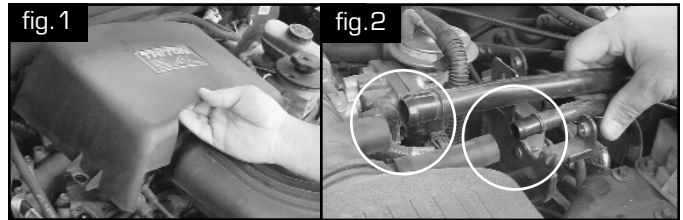
Pull the center of the mass airflow sensor out of the other end of air box and unplug (fig. 8 below).

Pull outer plug out (fig. 9) and remove outer casting (fig. 10).

Remove mass airflow sensor from black ring (fig. 11).

**Please direct all installation questions to CGS Motorsports at (909) 444-5536.**

**DO NOT call the retailer in which you purchased your CGS Intake System™.**



# 97-02 Ford 4.6, 5.4L

## CGS Air Intake Installation Instructions (cont'd) Part # 20160

### **2) Installing your new air intake tube**

Attach red connecting hose to intake tube with hose clamp (fig.12).

Slide another hose clamp on connecting hose and attach to the throttle body (fig.13). Secure hose clamps. Be sure bracket on tube lines up with lower stud on head (13A). Remove stock nut on that lower stud and replace after installing bracket.

Re-attach 2 small breather hoses.

Use the provided mass air flow adapter and gasket and attach to mass airflow sensor (fig.14) with the provided nuts and bolts (fig.15).

Take the other connecting hose and slip it on to the mass airflow sensor and attach using a hose clamp. Slip another hose clamp on and attach to intake tube about 11/2" (fig.16).

### **3) Installing the air filter**

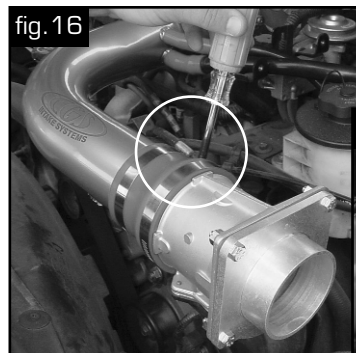
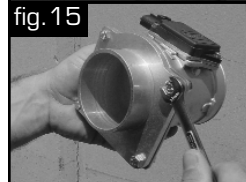
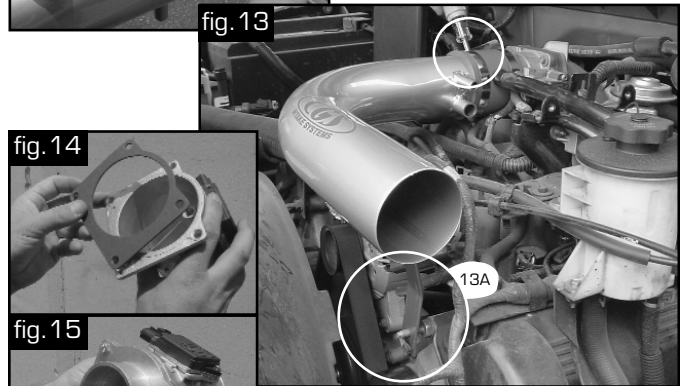
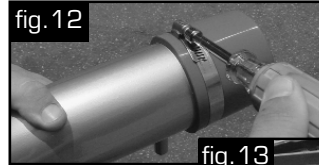
Loosen the hose clamp on the air filter and slide onto the mass airflow sensor adapter (fig.17).

Re-attach cover over throttle body with the 3- 10mm bolts. Tighten all screws. Congratulations! You just installed more horsepower to your truck by allowing it to breathe easier with a CGS Intake System™.

Slowly close the hood to verify fitment and clearance. Once completed, check your work and then enjoy. Your vehicle will take approximately 100 miles to become accustomed to the new air intake system. Every 5,000 to 10,000 miles, take the filter off and tap out the accumulated dust and dirt. At least twice a year or more, use a cleaning kit to clean the filter properly and re-oil it. These filters are cleanable and reusable and should not be thrown away when dirty.

If there is a C.A.R.B. EO Exemption sticker enclosed, place it in a visible area under the hood for reference by officials from the State of California.

Thank you again, we know you will enjoy your new CGS Intake System™.



**If you have any questions, please call our tech line at 1-909-444-5536, 9:00 AM to 4:00 PM, PST, Mon-Fri.**