

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, rubber grommet, aluminum bung insert, bracket, 2 hose clamps, red connecting hose, air hat, S-bolt, 1/4" hex nut, and 1/4" washer.

Tools required: flathead screwdriver, Torx wrench T-25, 11mm wrench and 1/2" socket.

1) Removing stock air intake system

Remove the accordion air inlet connecting the air box with the throttle body, then take the air box out by lifting it straight up (fig.1). Also remove the air hat on top of throttle body by loosening hose clamp.

2) Preparing the throttle body (remove the spacer)

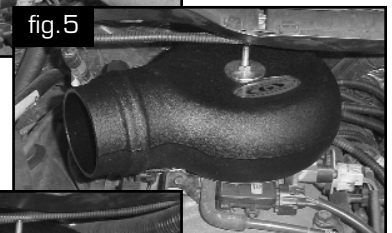
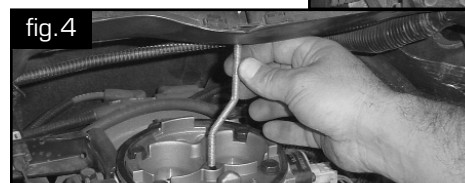
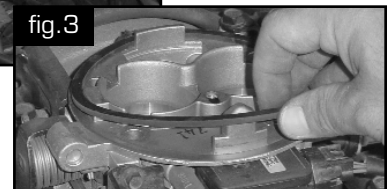
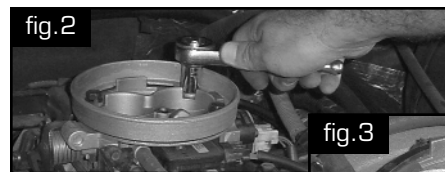
Remove the four 1/2" bolts attaching the throttle body to the intake manifold (fig.2). Do not pull the throttle body away from the intake manifold. Once the bolts are removed, gently pry the spacer ring from the top of the throttle body. Be careful not to damage the O-ring between the throttle body and the spacer. (You will need the O-ring for installing the new system.)

Once the spacer is removed, then carefully remove the O-ring from the spacer and place it on the throttle body (fig.3). Reattach the throttle body to the intake manifold with the stock bolts and torque them to manufacturer specs.

3) Installing the air hat and intake tube

Install the new S-bolt into the hole on top of the throttle body (fig.4). Thread the S-bolt finger tight. Be sure the top of the bolt is faced toward the front of vehicle (you may have to loosen half a turn). Now install the air hat to fit over the S-bolt and face outlet towards passenger side (fig.5), then place washer and bolt on top. Finger tighten nut (be sure air hat is seated on gasket snug).

Insert the 3" diameter red silicon connecting hose to the new air hat and connect it with the enclosed hose clamp (fig.6). Tighten the clamp down snug, but do not over tighten.



2002 Dodge Ram 5.9L

CGS Air Intake Installation Instructions (cont'd) Part # 20122

Take the long intake tube and insert the rubber grommet and aluminum bung into the small hole on the tube (fig.7). Attach the tube to the new air hat with the other hose clamp (aluminum bung should be closest to the air hat and facing towards the firewall).



Tighten down the hose clamp on the hose connector between the air hat and the intake tube (fig.8). Attach the breather hose to the tube on the aluminum bung (fig.9).



4) Installing the support bracket onto the fender

From inside the passenger side front wheel well, you will see two T-25 Torx screws that attach into the back of the stock filter box support through the wheel well. Unscrew the front one (fig.10).

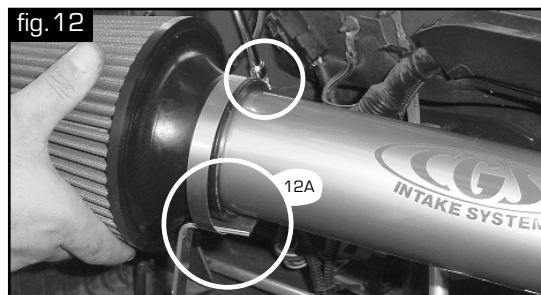


Go back under the hood and gently pry up the stock filter box support and slide the long end of the bracket with the hole in it between the filter box support base and the fender. (fig.11) Line up the hole in the bracket with the hole in the fender for the Torx screw. Insert the screw in the hole and tighten down. Leave it loose at this point to allow for adjustment of the support.



5) Installing the filter

Take the filter and remove the hose clamp. Slide the clamp on the intake tube, then place the filter on the end of the intake tube. Make sure to put the bracket between the clamp and the filter base. See picture for exact fitment (12A). Tighten all screws.



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.

