



SPYDER

CP-449

Installation Instructions

We recommend you have a trained professional install this product. Please be sure to read and understand ALL these instructions prior to installation of this product.

Note: This intake pipe kit requires the removal and reinstallation of emissions related components. If you are not familiar with the installation and/or the operation of these components please refer this installation to a qualified professional.

1. Preparation

- a. Make sure vehicle is parked on a level surface.
- b. Set the parking brake and block the rear wheels.
- c. Disconnect the negative battery cable
- d. Jack the front of the vehicle and support it with jack stands.
- e. Remove driver side wheel.

2. Removing the stock intake system

Before removing any of the O.E. components label each individual part so that no components become mixed up during the installation process.

- a. Loosen the two hose clamps securing the stock intake pipe to the throttle body and the filter box.
- b. Loosen the 2 spring hose clamps and disconnect the 2 hoses connected to the stock intake.
- c. Remove the plastic clip connecting the wiring harness to the stock intake pipe, and remove the stock intake piping from the vehicle.
- d. *For vehicles equipped with a boost sensor:* Remove the vacuum tube from the stock filter box and disconnect the boost sensor wiring harness. Unbolt the boost sensor from the mounting bracket, and set aside to be re-installed later.
- e. Unlatch the 4 clips on the air box cover. Remove the wiring harness from the air flow sensor.
- f. Unbolt the air flow sensor from the air box cover, and set aside for future re-installation.
Remove the air box cover from the vehicle.
- g. Remove the filter from the lower portion of the filter box, and unbolt the 3 mounting bolts from the lower portion of the filter box (2 inside, 1 outside). Remove the filter box from the

vehicle.

- h. Disconnect the Intake Air Temperature (IAT) sensor wiring harness. Remove the IAT sensor and set it aside as it will be reinstalled later.
- i. Unbolt the lower intake tube (between the headlight and battery) and remove from vehicle.
- j. Remove the screw and 3 plastic clips from the lower fender wheel lining.

k. Remove the 2 plastic clips from the lower fender lining. Peel back the fender wheel lining and move it out of the way.

l. Remove the two mounting bolts securing the lower resonator box. Remove the resonator box from the vehicle.

3. Installing the Intake system.

When installing the intake system DO NOT tighten the hose clamps or mounting tab hardware until the system has been fully installed. Make sure the pipe and filter are clean and free of debris before installing.

- a. Install the upper intake pipe (the pipe with the long nipple) with a rubber boot and hose clamps onto the throttle body. Connect and secure the breather hose from the crankcase onto the nipple with the stock spring clamp. Install the IAC tube into the hole with the grommet.
- b. *For vehicles equipped with a boost sensor:* Install the plastic vacuum nipple into the Mass Air Flow (MAF) sensor adaptor. (If your vehicle is not equipped with a boost sensor plug the hole in the airflow adaptor.)
- c. Install the MAF adaptor to the airflow sensor using the included 4 bolts. Install both rubber reducers to both sides of the MAF sensor with hose clamps.
- d. Install the MAF Sensor to the upper intake pipe and secure with the supplied 2.75" hose clamp. Plug in the MAF sensor wiring harness.
- e. *For vehicles equipped with a boost sensor:* Plug in the boost sensor wiring harness.
- f. Install the IAT sensor into the grommet on the lower intake pipe.
- g. Install lower intake pipe onto the MAF sensor and secure with hose clamps, making sure it does not come contact with the battery and other surfaces, and that the bracket lines up with the exposed bolt hole in the fender wall.
- h. Install the rubber mount between the intake and the fender wall.

- i. Install the air filter onto the end of the inlet tube, and after achieving proper clearance,
tighten the hose clamp.
- j. Make sure that the intake and filter are touching no surfaces of the vehicle, repositioning and
adjusting them as necessary.
- k. Tighten all hose clamps and connections.

4. Re-assembling the vehicle.

- a. Re-install the fender wheel lining.
- b. Re-install driver side wheel.
- c. Inspect the engine bay for any loose tools and check to see that all fasteners are properly
tightened.
- d. Re-install the negative battery cable.
- e. Start engine and perform a final inspection.
- f. Lower the vehicle.