



SPYDER

CP-450

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. Securing the Vehicle

- a. Make sure vehicle is parked on a level surface.
- b. Let the vehicle cool down for at least 2 hours before attempting installation.
- c. Set the parking brake and chock the rear wheels.
- d. Remove battery cover and disconnect the negative battery cable
- e. Jack the front of the vehicle and support it with jack stands.

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. Disconnect the breather hose from the valve cover and stock air box.
- b. Loosen the hose clamps on the stock intake pipe and then remove stock intake pipe from vehicle.
- c. Disconnect wiring harness from the Mass Air Flow (MAF) sensor.
- d. Carefully disconnect and remove sensor from the stock intake pipe and set aside.
- e. Pull the stock air box upward and remove from vehicle.
- f. Disconnect the Positive battery cable
- g. Unfasten the battery strap, and remove battery from vehicle.
- h. Disconnect battery tray and remove from vehicle.
- i. Unbolt the stock resonator pipe and lift up to disconnect from engine mount.
- j. Remove the stock resonator pipe via the front of the vehicle.

3. Installing the new Intake system

When installing the intake system **DO NOT** completely tighten the hose clamps or mounting bracket hardware until instructed to do so later in the instructions. Be sure the Pipe and Filter are clean and free of debris before installing.

- a. Install the mass airflow sensor on the Intake pipe using the stock bolts.

- b. Using the appropriate hose clamps, install the large end of the rubber elbow on to the throttle body.
- c. Unbolt the 10mm bolt from the distributor coil pack bracket adjacent to the location of the stock air box, and install the shorter rubber mount into the hole.
- d. Mount the larger rubber mount into the hole in the lower sub-frame.
- e. Loosely install the upper intake pipe to the rubber elbow and install to the rubber mount on the distributor coil bracket.
- f. Install the lower intake pipe from underneath the vehicle, routing it carefully through the front bumper behind the front wheel, making sure to use a rubber boot and hose clamps.
- g. Install the lower intake pipe to the rubber mount on the sub-frame.
- h. Connect the breather hose from the valve cover to the nipple on the pipe, making sure it isn't pinched or interfering with any other mechanisms.
- i. Install air filter on to the end of the intake tube, adjusting as necessary to ensure proper clearance.
- j. Make sure the Intake is properly aligned and does not come in contact with any other surfaces. Readjust as necessary.
- k. Tighten all connections and hose clamps.

4. Re-assembling the vehicle.

- a. Reinstall the battery tray, battery, battery strap, and battery cover.
- b. Inspect the engine bay for any loose tools and check to see that all fasteners that were removed or adjusted are properly tightened.
- c. Start engine and perform a final inspection.
- d. Lower the vehicle.
- e. Test drive to ensure proper operation, and adjust as necessary.

Note: After reconnecting the battery the vehicle may appear to operate abnormally while the computer system readjusts to accommodate the increased air flow. Please allow up to 10 miles for the vehicle to re-adapt to the new settings and optimize it's operation.