



**SPYDER**

CP-500

# 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. 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.

## 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. Remove or bend back the splash guard and fender liner by the passenger side tire.
- b. Disconnect the battery Cables from the fuse box, and disconnect the battery cable harness from the stock intake pipe.
- c. Disconnect and remove the stock intake pipe by loosening the bolt on the mounting tab on the secondary air box end, and pulling the other end up from the mounting tab on the open side.
- d. Disconnect and remove the two stock intake pipe mounting tabs from the vehicle. Unbolt the ground cable located by the air box.
- e. Unbolt the secondary air box (4 bolts) and remove from the vehicle.
- f. Remove the 2 bolts holding down the clutch line bracket (the clutch line runs parallel to the passenger side headlight).
- g. Disconnect the back-up light switch connector. Use a long 27mm socket to remove the back-up light switch from the transmission.
- h. Unbolt the transmission bracket (2 bolts) and remove from the vehicle, then re-install the back-up light switch and washer.
- i. Disconnect the Intake Air Temperature (IAT) sensor harness and the breather hose from the stock air box. Loosen the hose clamp on the throttle body. Unbolt and remove the stock air

box.

j. Remove IAT sensor from stock air box by pulling back on it gently.

### 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. Remove the transmission mount bracket nut closest to the front of the car, and remove the transmission bracket. Replace with the supplied transmission bracket over the stud and reinstall the nut.
- b. Take the primary intake pipe (with the nipple and IAT sensor hole) and install with the IAT sensor hole side downwards into the throttle body, making sure to use a rubber boot and hose clamps.
- c. Install the Intake bracket on the primary intake pipe to the factory intake pipe mounting bracket using the supplied bolt and washer.
- d. Install a rubber boot on the end of the primary intake pipe with hose clamps on both ends.
- e. Install the IAT sensor into the IAT sensor hole and plug in harness.
- f. Connect the included breather hose from the Pipe nipple to the valve cover, using included hose clamps.
- g. Using the factory bolt, bolt down the ground cable to the new transmission bracket.
- h. Use the rubber mount to screw in to connect the clutch line bracket and the new transmission bracket.
- i. Connect the remaining pipe to the primary intake pipe, and tighten hose clamps just enough to hold pipe.
- j. Install the intake bracket on the secondary pipe to the rubber mount on the transmission and clutch line bracket.
- k. Install the air filter onto the end of the intake pipe from underneath the vehicle, and tighten hose clamp after proper clearance has been obtained.

I. Check pipes for proper fitment, making sure the pipe doesn't come into contact with any surfaces of the vehicle. Tighten all bolts and connections.

4. Re-assembling the vehicle.

- a. Re-install the splash guard and fender liner. Failure to do so will result in severe damage during rainy conditions and diminished performance.
- b. Inspect the engine bay for any loose tools and check to see that all fasteners that were removed or moved are properly tightened.
- c. Reconnect the battery cables to the fuse box.
- d. Start engine and perform a final inspection. If check engine light comes on, shut off vehicle, disconnect battery for one minute, then connect.
- e. Lower the vehicle.