



**SPYDER**

CP-492

# Installation Instructions

**We recommend you have a trained professional install this product. Please be sure you thoroughly understand ALL the instructions before attempting installation.**

**Note: This installation requires the removal and reinstallation of sensitive emissions related components. If you are not familiar with the installation and/or the operation of such components, please refer this installation to a qualified professional.**

## 1. Preparing the installation area

- a. Make sure the vehicle is parked on a level surface
- b. Set the parking brake
- c. If the engine has ran in the last hour – let it cool down
- d. Disconnect the battery terminals, one terminal at a time.
- e. Jack up the front of the vehicle and support with appropriate jack stands.
- f. Unfasten and remove the fender lining on the front driver side.

## 2. Removing the stock intake system

Make sure to label the stock parts and note their orientation prior to removing them from the vehicle. Be careful when disconnecting all sensors, wires and other sensitive electrical components, as they can easily be damaged.

Unscrew and remove the two plastic covers on the radiator support in front of the battery.

Unbolt the 3 bolts holding down the battery case. Disconnect the fuse box from the

battery. Unclip the wires from the back of the battery case. Disconnect the battery

wires from the battery case. Disconnect and remove the battery and case from the vehicle.

Unbolt the 4 bolts on the lower battery tray. Disconnect and remove the battery tray from the vehicle.

Unplug the MAF sensor wire plug. Loosen the clamps on the intake tube and disconnect

from the MAF sensor. Disconnect the breather hose. Unscrew the nut holding the intake

- tube to the fender and keep for reinstallation.
- e. Remove the remaining 2 bolts located on opposite sides of the air box. Disconnect and remove the air box and lower intake tube from the vehicle. Disconnect the MAF sensor and set aside for re-installation. Leave the tubing from the throttle body intact as the cold air will be installed to this section later.
- f. On the plastic cover behind the driver side headlight, unfasten the 2 rivets on the radiator support, and the 1 bottom rivet from beneath the vehicle. Disconnect and remove the plastic cover from the vehicle.
- g. In the area where the plastic cover was located, unclip the ground cable from the clip in the fender

### 3. Installing the Cold Air System

Do not completely tighten any hose clamps or mounting hardware until instructed to do so as minor adjustments might be needed during the installation. Make sure the pipe and filter are clean and free of debris before installation.

- a. Install the nipple end of the cold air pipe to the squared end of the original MAF sensor with the included rubber hose and clamps.
- b. Route the intake pipe with the MAF sensor towards the throttle body to determine the proper location to mount the rubber mount on the bottom of the engine bay. Once you have determined the mount location that lines up with the lower bracket on the intake pipe, remove the pipe and install the rubber mount to the hole.
- c. Install the intake pipe to the stock piping from the throttle body, making sure the lower bracket lines up to the rubber mount. Install a washer and the original nut to secure the upper bracket on to the bolt on the fender.
- d. Install the included filter to the bottom end of the cold air pipe. Adjust until proper orientation is achieved.
- e. Connect the MAF sensor plug to the MAF sensor. Connect one end of the included

- breather hose to the nipple on the cold air pipe using a hose clamp.
- Connect the black hose adaptor to the other end with a hose clamp, and then connect the adaptor to the stock breather hose.
- f. Adjust the pipe and filter until the intake system is not interfering with any other devices and adequate hood clearance is achieved.
- g. Tighten all clamps and connections.

#### 4. Re-assembling the vehicle

- a. Re-install the battery tray, and battery case. Reinstall the fuse box to the battery.
- b. Re install the covers for the radiator support.
- c. Reinstall the fender lining.
- d. Lower the vehicle and retighten all connections.
- e. Reconnect the positive and negative battery terminals, one at a time.
- f. Start engine and perform a final inspection.