



SPYDER

CP-447

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 2 hours – let it cool down
- d. Disconnect the negative battery terminal
- e. Jack up the front of the vehicle and support with appropriate jack stands.

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.

Unbolt and remove the front driver side wheel.

Unfasten and remove the inner fender liner of the front driver wheel well.

Unplug the IAT Sensor wire plug and loosen the hose clamps on the throttle body and

end of the intake tube. Disconnect any wire harness clips on the intake pipe. Disconnect

the breather hose from the valve cover.

d. Unbolt the bolt located opposite the breather hose on the upper intake box. Disconnect

and remove the upper intake box and stock intake tube from the vehicle.

e. Unclip the wire that runs along the air box adjacent the battery. Unclip and remove the

fuse box hold down located between the fuse box and washer fluid cap.

f. Unbolt the battery hold down. Disconnect the positive battery terminal.

Disconnect and

remove the battery from the vehicle.

- g. From beneath the vehicle, unclip the plug leading to the washer fluid motor. Position a clean container beneath the wiper fluid hose, then disconnect the hose and let the excess fluid drain into the container.
- h. Unbolt the 3 bolts holding the wiper fluid bottle to the vehicle. Disconnect and remove the washer fluid bottle from the vehicle.
- i. Locate the wire running downward from the fuse box. Loosen the bolt, and rotate the wire counterclockwise away from the fuse box to accommodate the new intake pipe. Retighten the bolt.

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. Place the non bracket end of the smaller intake pipe through the hole with the bracket facing the left side of the vehicle. From the other side of the fender, run the bolt through the hole that lines up with the bracket, and install a rubber mount to the bolt. You may also want to install the included rubber lining to the edge of hole through which the smaller pipe passes. Install the intake pipe to the rubber mount.
- b. Unbolt the lower air box from the washer fluid bottle, and disconnect the lower air box. Reinstall the washer fluid bottle to the vehicle without the lower air box. Reinstall washer fluid hose and wire plug to the motor.
- c. Install the remaining rubber mount upwards to the bracket on the frame where the fuse box hold down was connected in step 2e of the previous section.
- d. Install rubber boots on both ends of the larger intake pipe, and install the nipple side to the throttle body and the other end to the installed smaller pipe. Use the zip ties and the

- bracket on the larger pipe to secure the throttle cable and, if included, the cruise control cable to the pipe.
- e. Install the breather hose with small hose clamps to the nipple on the intake pipe and the valve cover. Plug in the IAT sensor to the hole with the rubber donut in the intake pipe.
 - f. From beneath the vehicle, install the filter to the end of the smaller pipe, and adjust until proper orientation is achieved.
 - g. Replace the battery back into the battery tray, adjusting the pipe as necessary to accommodate, making sure not to pinch any of the surrounding wires.
 - h. Reinstall the fuse box hold down to the rubber mount.
 - i. Adjust the pipe and filter until the intake system is not interfering with any other devices and adequate hood clearance is achieved.
 - j. Tighten all clamps and connections.

4. Re-assembling the vehicle

- a. Re-install the fender lining, and the front driver side wheel.
- b. Lower the vehicle and retighten all connections.
- c. Reconnect the battery terminals, one terminal at a time.
- d. Start engine and perform a final inspection.