



**SPYDER**

CP-414

# Installation Instructions

**We recommend you have a trained professional install this product. Please be sure to read and understand ALL these instructions prior to installing 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. Getting started
  - a. Make sure the vehicle is parked on a level surface
  - b. Set the parking brake
  - c. Disconnect negative battery terminal
  - d. If the engine has ran in the last 2 hours, let it cool down
2. Removing the stock air 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 wire harness clamp from the stock intake pipe.
  - b. Loosen the hose clamps on the stock intake pipe. Disconnect and remove the stock intake pipe.
  - c. Remove the two intake pipe mounting tabs from the fender well. Remove the ground cable bolt from the transmission bracket.
  - d. Unbolt the four bolts securing the stock resonator, and then remove the resonator from the vehicle.
  - e. Remove the Intake Air Temperature (IAT) sensor connector and remove the breather hose. Loosen the hose clamp on the throttle body. Unbolt and remove the stock air box (2 bolts).
  - f. Remove the IAT sensor from the air box by gently pulling straight back. Set the IAT sensor aside in a safe place.
  - g. Jack the front of the vehicle and support using properly rated jack stands.
3. Installing the Cold Air Intake

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 rubber boot onto the throttle body with two hose clamps
  - b. Install the nipple end of the Pipe into the throttle body.
  - c. Install the rubber mount to the bracket on the Pipe and the hole it lines up with in the engine bay. Do not tighten.
  - d. Install IAT sensor hole into the hole with the rubber grommet on the primary intake pipe. Install the IAT sensor into the grommet and plug in the IAT sensor connector.
  - e. Install the supplied 5/8" breather hose from the nipple on the primary inlet pipe to the nipple on the valve cover. Use the supplied 1" hose clamp on the intake pipe nipple and the original hose clamp on the valve cover nipple.
  - f. Install the filter onto the end of the inlet tube from underneath the car. Push the filter on around 2" over the inlet pipe and install one hose clamp to secure the filter onto the inlet pipe. Once fitment is checked, you can either push the filter onto the inlet pipe more or less depending on the clearances. Tighten the hose clamp after this is done.
  - g. Check that the filter is not touching any part of the vehicle.
  - h. Position the inlet pipes for best fitment. Be sure that the pipes and other components do not contact any part of the vehicle. Tighten all hose clamps and connections.
  - i. Check for proper hood clearance. Re-adjust pipes if required.
4. Re-assemble the vehicle
- a. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
  - b. Reconnect the negative battery terminal.
  - c. Start the vehicle and check for proper operation of all the components that were removed.
  - d. Lower the vehicle.

Note: if the vehicle was started without the IAT sensor connected, the "check engine" light may come on. If this happens turn the engine off and disconnect the battery for one minute. Reconnect the battery and restart the engine.