



SPYDER

CP-547

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 run 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. Remove the strut tower bar fastener from both sides. Unclip plastic wiring clip and then remove strut bar from vehicle.
 - b. Loosen the hose clamps on the stock intake system. Unplug mass air flow sensor and detach wiring harness.
 - c. Remove plastic fastener from the front air duct. Unsnap the duct and slide it forward. Remove bolt.
 - d. Detach breather hose from beneath the intake tube. Remove intake tube from vehicle.
 - e. Unbolt the bolt on the air box.
 - f. Carefully pull upwards on air box to unsnap it from vehicle, and then remove from vehicle.
 - g. Unclip wiring clips from inner fender
 - h. WITHOUT UNPLUGGING it, pull the wheel speed sensor from mount.
 - i. Remove A/C line bracket bolt
 - j. Unbolt the Mass Air Flow (MAF) Sensor from air box.
 - k. Remove bolts from beneath the vehicle.
 - l. Pull down splash guard to access the 2 plastic fasteners. Remove fasteners.
3. Installing the Cold Air Intake

When installing the cold air intake system do not completely tighten the hose clamps or mounting tab hardware until instructed to do so later in

these instructions. Make sure the pipe and filter are clean and free of any debris before installing.

- a. Install the included rubber mount into the A/C line bracket bolt hole. Space the rubber mount upward from the hole to clear the bracket, and tighten by hand.
 - b. Compare the stock intake shape to the intake pipe to determine proper orientation and placement of your Cold Air System. Re-attach the breather hose to the nipple on the intake pipe. Attach the rubber reducer to the pipe.
 - c. Place the primary intake pipe into the engine bay and connect to the throttle body. Tighten the clamp just enough to hold it in place, while still leaving enough play to reposition it if necessary.
 - d. Using the four included bolts (and washers if necessary), attach the mass air flow sensor adapter to the Nissan mass air flow sensor.
 - e. Place a rubber boot around the Nissan mass air flow sensor (not the adapter). Install onto the end of the upper intake pipe, using the included hose clamps.
 - f. Install the included 8mm bolt to the hole from the removed bolt from the air duct area (Section 2 c of these instructions). Attach the included wiring harness bracket to the bolt on the underside, and secure in place with included nut.
 - g. Snap factory wiring harness onto the bracket. Install the other plastic wiring loom holder into the bolt hole from the stock air box (from Section 2-E of these instructions).
 - h. Install rubber reducer to the lower intake pipe to the curved side. Using hose clamps, connect to the mass air flow adapter. Ensure the mounting tabs line up to the rubber mount, and install the intake pipe to the rubber mount.
 - i. Install the filter from beneath the car onto the end of the intake pipe.
 - j. Run the speed wheel sensor wire underneath the intake pipe support tab, ensuring that it is not pinched or interfering with any other part of the vehicle.
 - k. Make sure the pipe and filter are not obstructing any other parts in the engine bay, and that the pipe is not touching any surfaces of the vehicle.
 - l. Tighten all clamps and connections.
4. Re-assemble the vehicle
- a. Plug in the mass air flow sensor.
 - b. Re-install the strut tower bar.
 - c. Re-install the splash guard and fender liner.

- d. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- e. Reconnect the negative battery terminal.
- f. Start the vehicle and test for proper operation.