SPYDER COLD AIR INTAKE SYSTEM

Installation Instructions
Part #SPYDER-874
1 piece 3"
11-12 Hyundai Sonata 2.4L 4cyl
11-12 Kia Optima 2.4L 4cyl

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Installation Instructions

We recommend you have a trained professional install this product. Please be sure to read ALL these instructions prior to installation.

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. Preparation

   a. Make sure the vehicle is parked on a level surface.
   b. Set the parking brake.
   c. Make sure the engine has cooled down for at least an hour.
   d. If your radio has a security code, make sure you have it recorded before you disconnect your vehicle's power.
   e. Disconnect the negative battery terminal.

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 engine cover.
   b. Remove 2 plastic clips securing the intake scoop to the radiator support.
   c. Remove the factory intake scoop.
   d. Release the spring clamp on the intake tube securing the crankcase vent hose using a pair of pliers.
   e. Remove the crankcase breather hose form the engine.
   f. Release the spring clamp holding the brake booster hose then disconnect from the intake tube.
   g. Loosen the hose clamp holding the intake tube to the throttle body.
   h. Pull the intake tube off of the throttle body.
   i. Remove 2 10mm bolts securing the air box assembly.
   j. Lift firmly and remove the factory intake assembly from the engine bay.
   k. Remove the 2 10mm ground bolts located on the frame rail under the battery.
   l. Combine the 2 ground wires and secure to the right side (hole further away from the battery) using a 10mm bolt.
   m. Install the vibra mount into the ground bolt hole closest to the battery.

3. Installing the SPYDER 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. Be sure the SPYDER Piping and Filter are clean and free of debris before beginning installation.

   a. Install the straight hose to the throttle body and secure using a hose clamp.
   b. Position the SPYDER intake pipe into the throttle body and line up the welded bracket to the vibra mount.
   c. Secure the SPYDER intake pipe to the vibra mount using supplied washer and nut.
   d. Install the crankcase vent hose onto the valve cover and the SPYDER intake pipe.
   e. Install the brake booster line onto the SPYDER intake pipe. (Manual trans: install 3/8" vacuum cap over the 3/8" nipple on the SPYDER intake pipe.)
   f. Remove 2 screws under the driver side fog light securing the splash guard then pull the splash guard away from the front bumper.
   g. Going into the opening behind the splash guard, install the SPYDER air filter onto the end of the SPYDER intake pipe and secure with hose clamp.
   h. Position and adjust the cold air intake assembly for the best possible fit then tighten all the cold air intake assembly hardware as needed.

4. Re-assemble the vehicle

   a. Reinstall the splash guard and secure with 2 screws.
   b. Reinstall the engine cover.
   c. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
   d. Reinstall the negative battery terminal.
   e. Start the vehicle and check for proper operation.
   f. Please note that your vehicles computer may act abnormally for the first few minutes of driving as it adjusts to the increased amount of airflow. Normal operation should resume after a few miles of driving.

-END OF INSTRUCTIONS-