

SPYDER COLD AIR INTAKE SYSTEM

Installation Instructions

Part #SPYDER-640

2 piece 3"

06-12 Mazda MX-5 Miata 2.0L

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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.
 - f. Lift the front of the car then prop up with jack stands.

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. Unclip breather hose from intake tube assembly by squeezing the blue retaining clip.
- b. Remove the purge solenoid valve by sliding it toward the firewall. Unclip the wire harness.
- c. Disconnect MAF harness.
- d. Unclip MAF sensor wire harness from the air box.
- e. Loosen the hose clamp on the throttle body and air box then remove the intake tube.
- f. Unclip metal clips on the air box then remove the upper air box.
- g. Remove 2 nuts securing the lower air box, then remove the lower air box.
- h. Remove all bolts and plastic clips securing the splash guards to the bottom of the front bumper.
- i. Remove the front fender liners on both sides.
- j. Disconnect the bumper light and fog light harnesses from the front bumper.
- k. Remove plastic 2 covers located on the front grill.
- l. Remove the 2 bolts that were behind the plastic covers.
- m. Remove the bolts securing the inside corners of the front bumper to the fenders.
- n. Remove the bolts securing the front bumper to the radiator support.
- o. Remove front bumper.
- p. Remove the bolt and 2 plastic clips securing the intake snorkel.

- q. Remove the intake snorkel.
 - r. Unclip the harness from the front bumper support.
 - s. Remove the bolts securing the bumper support to the frame. 4 bolts on each side.
 - t. Remove the MAF sensor from the factory air box.
 - u. Remove the plastic breather nipple and bracket from the factory intake tube.
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 plastic breather nipple and bracket into the SPYDER intake coupling.
 - b. Reuse factory intake hose clamps on the SPYDER intake coupling.
 - c. Install SPYDER intake coupling onto the throttle body.
 - d. Connect breather hose to the plastic breather nipple on the SPYDER intake coupling.
 - e. Install MAF sensor onto the upper SPYDER intake pipe.
 - f. Install upper intake pipe to the intake coupling.
 - g. Install the lower SPYDER intake pipe, connecting it to the upper intake pipe using the silicon reducer hose and hose clamps. Position the piping lining up the mounting brackets to threaded holes on the radiator support.
 - h. Install 2 vibra mounts into the threaded holes that lined up with the lower intake pipe mounting brackets. Secure with supplied washer and nut.
 - i. Attach the SPYDER air filter to the SPYDER intake pipe and secure using a hoes clamp.
 - j. 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. Reassemble the car in reverse order of disassembly.
 - b. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
 - c. Reinstall the negative battery terminal.
 - d. Start the vehicle and check for proper operation.
 - e. 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-