



CPT COLD AIR INTAKE SYSTEM

Installation Instructions

Part #CPT-640

06-12 Mazda MX-5 Miata 2.0L

2 piece 3"

Check Point Tuning
Fullerton, CA 92831

CPT-640

2006-12 Mazda MX-5 Miata 2.0L

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

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

- Unclip breather hose from intake tube assembly by squeezing the blue retaining clip.
- Remove the purge solenoid valve by sliding it toward the firewall. Unclip the wire harness.
- Disconnect MAF harness.
- Unclip MAF sensor wire harness from the air box.
- Loosen the hose clamp on the throttle body and air box then remove the intake tube.
- Unclip metal clips on the air box then remove the upper air box.
- Remove 2 nuts securing the lower air box, then remove the lower air box.
- Remove all bolts and plastic clips securing the splash guards to the bottom of the front bumper.
- Remove the front fender liners on both sides.
- Disconnect the bumper light and fog light harnesses from the front bumper.
- Remove plastic 2 covers located on the front grill.
- Remove the 2 bolts that were behind the plastic covers.
- Remove the bolts securing the inside corners of the front bumper to the fenders.
- Remove the bolts securing the front bumper to the radiator support.
- Remove front bumper.
- Remove the bolt and 2 plastic clips securing the intake snorkel.
- Remove the intake snorkel.
- Unclip the harness from the front bumper support.
- Remove the bolts securing the bumper support to the frame. 4 bolts on each side.
- Remove the MAF sensor from the factory air box.
- Remove the plastic breather nipple and bracket from the factory intake tube.

3. Installing the CPT 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 CPT Piping and Filter are clean and free of debris before beginning installation.

- Install the plastic breather nipple and bracket into the CPT intake coupling.
- Reuse factory intake hose clamps on the CPT intake coupling.
- Install CPT intake coupling onto the throttle body.
- Connect breather hose to the plastic breather nipple on the CPT intake coupling.
- Install MAF sensor onto the upper CPT intake pipe.
- Install upper intake pipe to the intake coupling.
- Install the lower CPT 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.
- Install 2 vibra mounts into the threaded holes that lined up with the lower intake pipe mounting brackets. Secure with supplied washer and nut.
- Attach the CPT air filter to the CPT intake pipe and secure using a hoes clamp.
- 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

- Reassemble the car in reverse order of disassembly.
- Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- Reinstall the negative battery terminal.
- Start the vehicle and check for proper operation.
- 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-

FAQ

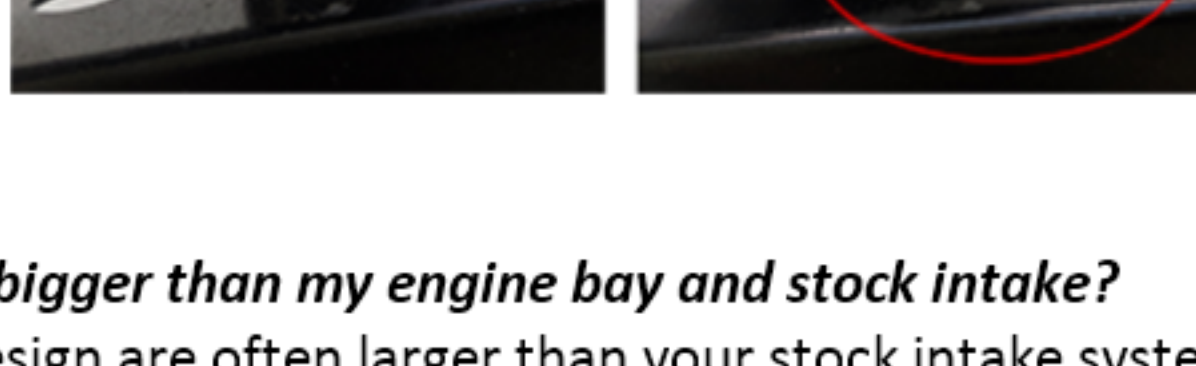
Why does my car have a check engine light after installation?

Disconnecting the battery during installation is an important step required to clear the ECU settings. After installation, it could take a mile or two for the vehicle to readjust to the new amount of airflow, and for the check engine light to clear.

If not, please check that the MAF sensor is facing the same direction as it was in your stock intake system, and that there are no holes or metal remnants near the MAF sensor that could be disrupting the air flow.

Why is my pipe or filter off by 1-2 inches?

Failure to install the vibramount correctly can throw off the alignment of the whole intake. The vibramount serves as a rubber spacer BETWEEN the intake bracket and your car (or heat shield) to absorb the vibrations that would otherwise damage and cause the bracket to break off.



Why is this pipe bigger than my engine bay and stock intake?

CPT intakes by design are often larger than your stock intake system. The point is to move the point where the filter is to get the coldest air possible, which usually means using a longer pipe to move the intake point towards the lower front of the vehicle.

Who do I contact if I have more questions?

For further assistance, please email us at sales@tunersdepot.com