



CPT COLD AIR INTAKE SYSTEM

Installation Instructions

Part #CPT-485

4 piece 3.5", 3.25"

2004-11 Mazda RX-8 1.3L

Check Point Tuning
Fullerton, CA 92831

CPT-485

2004-11 Mazda RX-8 1.3L

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.

- Remove the engine cover.
- Remove 4 bolts securing strut tower bar, then remove the strut tower bar.
- Remove the 3 vacuum hoses ahead of the throttle body from the inlet tube.
- Loosen hose clamp attaching resonator to the inlet tube then remove the resonator.
- Loosen the hose clamp on the air box.
- Disconnect the MAF sensor harness.
- Remove the wire tie holding the harness to the inlet tube.
- Loosen the hose clamp holding the inlet tube to the throttle body.
- Remove the inlet tube from the engine bay.
- Gently pull the air box upwards.
- Disconnect the sensor harness and secondary air inlet vacuum hose on the air box.
- Unclasp and remove the secondary air inlet filter assembly.
- Remove wire tie from the air box.
- Remove the vacuum line from the sensor on the air box, then cap the opening at the intake manifold. (secondary air inlet system will not be used)
- Remove the air box assembly from the engine bay.
- Loosen and remove 2 screws attaching the MAF sensor to the air box.
- Remove the MAF sensor from the air box and set aside.
- Remove both of the front wheels.
- Remove the 4 plastic clips attaching the fender liner toward the front edge of the wheel well.
- Peel back the fender liner to expose a screw holding the bumper to the quarter panel in either wheel well.
- Remove the bolts and plastic clips holding the top of the front bumper to the radiator support.
- Toward the bottom of the bumper remove 3 screws and 2 plastic clips on both sides ahead of the wheel openings.
- Remove the electric connectors and clips from the bottom fender liners.
- Remove 2 mounting bolts and plastic clips from both passenger and driver side bottom fender liners.
- Remove 4 mounting screws located toward the front of the bottom fender liner.
- Remove 2 mounting bolts and 2 plastic clips toward the rear of the bottom fender liner, then remove the bottom fender liner.
- Remove the plastic clips and mounting bolts on the inner edge of the hood gasket on the front bumper.
- Remove the front bumper and set aside.
- Remove the mounting bolts and plastic clips holding the factory inlet tube to the car.
- Remove the inlet valve and tubing assembly.
- Remove the 10 plastic clips holding the plastic cover to the front bumper support beam.
- Remove the plastic cover.
- Remove the 4 mounting bolts on either side of the front bumper support beam.
- Remove the bumper support beam.

3. Installing the new 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 MAF sensor into the CPT intake pipe and secure with 2 screws.
- Install silicon reducer to the throttle body and secure with a hose clamp.
- Install the MAF sensor section of the CPT intake pipe to the silicon reducer with a hose clamp.
- Install the 3 vacuum hoses onto the CPT intake pipe (if equipped with only 2 hoses, cap the third nipple on the CPT intake pipe).
- Reconnect MAF sensor harness.
- Install 3.5" coupler to the CPT intake pipe and secure with a hose clamp.
- Install the 5.5" long straight CPT intake pipe section into the coupler and secure with a hose clamp.
- Install coupler and the second straight CPT intake pipe and secure using hose clamps.
- Install the 3.25" to 3.5" reducer hump hose to the end of the straight CPT intake pipe.
- Install the spacer and bolts into the opening left by the lower inlet tube.
- Install the 3.25" CPT intake pipe into the 3.25" reducer opening and line up mounting brackets with the spacer and bolts.
- Secure the 3.25" CPT intake pipe to the mounting spacer and bolts with supplied mounting nuts.
- Attach the CPT air filter to the CPT intake pipe and secure using a hose 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