



CPT COLD AIR INTAKE SYSTEM

Installation Instructions

Part #CPT-478

1 piece 2.75"

08-14 Subaru Impreza WRX/STi

Turbo 2.5L 4cyl

Check Point Tuning
Fullerton, CA 92831

CPT-478

08-14 Subaru Impreza WRX/STi Turbo

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. Jack up the front driver side of the vehicle and support with jack stands.
 - g. Remove the driver side wheel.
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 2 plastic clips holding the front air scoop to radiator support.
- b. Remove front air scoop from the engine bay.
- c. Disconnect electrical harness from the MAF sensor that is attached to the factory airbox.
- d. Remove 2 Phillips screws attaching the MAF sensor to the airbox.
- e. Remove MAF sensor from the airbox.
- f. Loosen the hose clamp attaching the rubber intake tube to the plastic intake tube.
- g. Undo 2 metal latches holding the airbox assembly together.
- h. Remove the upper portion of the airbox assembly along with the rubber intake tube.
- i. Remove factory air filter element from the lower portion of air box assembly.
- j. Loosen and remove the 10mm nut on the inside corner of the airbox attaching it to the factory vibra mount.
- k. Remove the 10mm bolt that attaches the lower portion of the airbox assembly to the car located towards the corner of the airbox.
- l. Remove the lower portion of the airbox from the engine bay.
- m. Remove the factory vibra mount from the bracket on the fender wall, then remove the metal bracket by loosening 2 10mm nuts attaching the bracket to the fender well.

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.

- a. Attach the 2 3/4" silicon hose to the factory air intake tube with the supplied hose clamps.
- b. Cut the 18" rubber trim into 2 pieces, one measuring 13" and one measuring 5" long.
- c. Press and install the 13" long trim along the inner edge of the cutout on the heat shield.
- d. Install the 5" long trim along the inner edge on the shorter radius of the cut out of the heat shield.
- e. With the rubber trim installed onto the heat shield, inset the filter end of the cold air intake tube into the cutout on the heat shield.
- f. Now attach the cone air filter onto the cold air intake tube then secure with hose clamp.
- g. Lower the heat shield and intake assembly into the engine bay with the cone air filter pointing downward.
- h. Position the heat shield with the 2 small holes on the upper edge over the 2 studs on the fender well.
- i. Replace the metal bracket onto the 2 studs and secure by tightening 2 10mm nuts.
- j. Install new vibra mount onto the metal bracket with the supplied 6mm nut.
- k. Align the cold air intake tube to the factory intake tube at the 2 3/4" silicon hose that was installed earlier.
- l. Align the intake bracket to the vibra mount stud, then secure with washer and nut.
- m. Once the cold air intake tube is aligned, tighten the 2 hose clamps attaching it to the factory intake tube.
- n. The heat shield bolt hole toward the inner step side is align to an existing pre-tapped hole on the frame then secure with supplied M6 x 12mm bolt.
- o. Install the MAF sensor to the sensor flange on the cold air intake tube, then secure with 2 Phillips screws.
- p. Reconnect the sensor harness to the MAF sensor.
- q. Check that the CPT intake pipe and filter are installed properly without interfering with any other engine component. The length of the pipe (excluding mounting brackets) should not be touching any part of the vehicle, especially the battery. Adjust as necessary
- r. Tighten all connections.

4. Re-assemble the vehicle

- a. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- b. Tighten the lug nuts on the driver side wheel
- c. Carefully remove the jack stands and lower the jack.
- 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-

FAQ

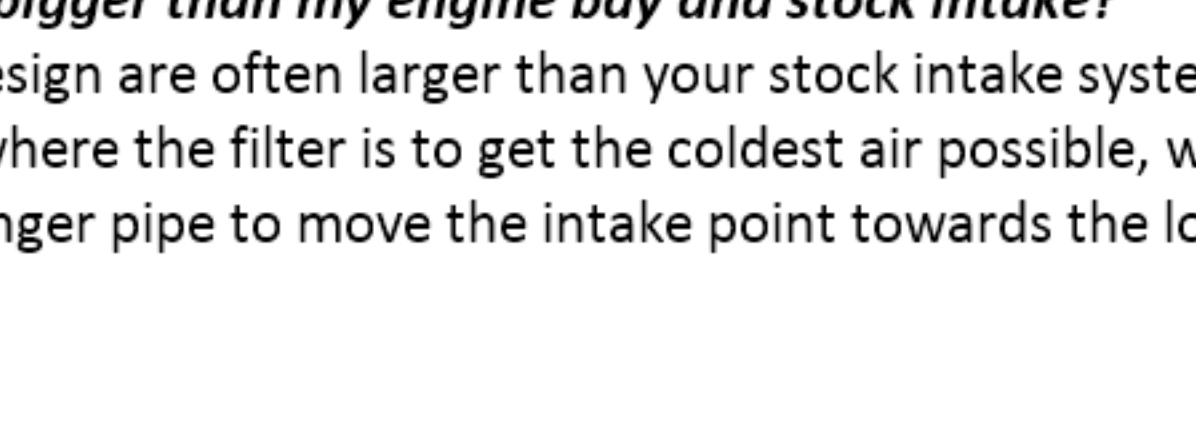
Why does my car have a check engine light after installation?

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