



CPT COLD AIR INTAKE SYSTEM

Installation Instructions

Part #CPT-681

2 piece 3.0"

11-16 Scion tC 2.5L 4cyl

Check Point Tuning
Fullerton, CA 92831

CPT-681

2011-16 Scion tC

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 the front bumper.
- b. Disconnect crank case breather hose from the factory intake tube.
- c. Disconnect MAF sensor harness and clips attaching it to the factory intake tube.
- d. Loosen the hose clamp attaching the air box to the intake tube.
- e. Unclip the upper portion of the air box then remove from engine bay.
- f. Remove air filter element.
- g. Remove 3 10mm bolts attaching the lower portion of the air box to the frame.
- h. Remove the 10mm bolt attaching the air intake snorkel to the frame.
- i. Remove the air intake snorkel.
- j. Detach the ECU harness from the lower portion of the air box.
- k. Remove the lower half of the air box from the engine bay.
- l. Loosen the Phillips screw attaching the VSV valve to the intake tube, then remove the VSV valve assembly from the factory intake tube.
- m. Using a set of pliers, pinch the clamp holding the intake tube onto the throttle body then remove the factory intake tube.
- n. On the upper portion of the air box, remove 2 Phillips screws attaching the MAF sensor then remove from air box.

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. Install the MAF sensor onto the new cold air intake tube then secure with 2 screws.
- b. Attach the 3" silicon hose the throttle body with hose clamps.
- c. Attach the vibra mount to the ECU mounting bracket with a M6 washer and nut.
- d. Install and position the lower cold air intake tube behind the battery and between the battery harness with the welded bracket lined up to the vibra mount installed on the ECU bracket.
- e. Secure the lower cold air intake tube to the vibra mount with a M6 nut and washer.
- f. Attach cone air filter to the lower intake tube with hose clamp.
- g. Install vibra mount to the mounting hole for the factory lower air box located by the upper end of the lower cold air intake tube.
- h. Attach silicon hose to the upper opening of the lower cold air intake tube and secure with hose clamps.
- i. Now install and position the upper cold air intake tube to the throttle body and lower cold air intake tube making sure the welded bracket lines up with the vibra mount.
- j. Tighten the hose clamp attaching the upper cold air intake tube to the throttle body.
- k. Attach the crank case breather hose to the fitting on the cold air intake tube.
- l. Secure the VSV valve to the welded bracket on the cold air intake tube.
- m. Reconnect the MAF sensor harness to the MAF sensor.
- n. Tighten the hose clamp attaching the upper cold air intake tube to the lower cold air intake tube.
- o. Tighten a M6 nut and washer attaching the upper cold air intake tube bracket to the vibra mount.
- p. 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. Replace and reinstall front bumper to the car.
- b. Inspect the engine bay for any loose tools and check that all fasteners that were moved or removed are properly tightened.
- c. Carefully remove the jack stands and lower the jack.
- d. Tighten the lug nuts on the driver side wheel.
- e. Reinstall the negative battery terminal.
- f. Reinstall the engine cover.
- g. Start the vehicle and check for proper operation.
- h. 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