CPT COLD AIR INTAKE SYSTEM

Installation Instructions
Part # CPT-330
2 piece 3.25"

14-16 BMW 228i F22 2.0L 4cyl
12-18 BMW 320i F30/F31/F34 2.0L 4cyl
12-15 BMW 328i Sedan F30/Wagon F31 2.0L 4cyl
14-16 BMW 328i GT Gran Coupe F34 2.0L 4cyl
13-16 BMW 428i F32/F33/F36 2.0L 4cyl

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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.

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. Disconnect MAF sensor harness located toward the rear of air box.
b. Loosen the hose clamp (6mm bolt) securing the MAF sensor housing, then disconnect the vacuum line.
c. Lift the air box upward and out of the engine bay.
d. Locate the MAF sensor on the air box. Remove 2 T20 Torx screws securing the MAF sensor, then lift it out of the air box assembly.
e. Locate and remove the 2 rubber grommets on the factory air box. The grommets will be reused on the CPT intake.
f. Loosen the hose clamp securing the lower intake duct that was under the air box, then remove the duct.

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. Press a 3.25" straight hose onto the end of the CPT intake pipe then place 2 hose clamps on either end of the hose, securing only the end that is pressed onto the pipe.
b. Press the CPT intake pipe into the fitting where the factory duct was removed from earlier.
c. Install a rubber trim at the inner edge of the 4" hole on the lower CPT intake box.
d. Install the rubber vibra mount on the inside of the CPT intake box right next to the 4" hole.
e. Now install the one of the rubber grommets removed from the factory air box in the 7/8" hole on the right corner of the lower CPT intake box.
f. Install a supplied rubber grommet into the ¾" hole at the back of the CPT intake box.
g. Place the supplied plastic standoff into the left OE air box mounting grommet.
h. Lower the lower CPT intake box into the engine bay making sure the left of the lower CPT intake box goes below the factory air duct.
i. Once the left side of the lower CPT intake box is lined up correctly with the threads of the standoff in the hole on the mounting tab, press the rubber grommet onto the OE mounting stud on the right side.
j. The lower CPT intake pipe opening should be centered with the 4" hole on the lower CPT intake box. Adjust the positioning of the CPT intake pipe as needed, then tighten the hose clamp once it's centered.
k. Secure the front edge of the lower CPT intake box to the radiator support using 2 plastic clips.
l. Secure the left side of the CPT intake box using a M6 nut and washer on the threaded standoff.
m. Place the MAF sensor into the upper CPT intake pipe and secure the MAF sensor with 2 screws.
n. Press the upper CPT intake pipe into the 3.25" straight hose lining up the mounting bracket with the vibra mount inside the lower CPT intake box.
o. Secure the upper CPT intake pipe to the straight hose by tightening the hose clamp.
p. Secure the upper CPT intake pipe to the vibra mount using a M6 nut and washer.
q. Run the vacuum line through the rubber grommet at the rear of the CPT intake box and connect it to the 1/8" port on the CPT intake pipe. (If not equipped, cap off the 1/8" port with a vinyl cap.)
r. Press the CPT air filter onto the end of the CPT intake pipe then secure with hose clamp.
s. Reconnect the MAF sensor harness to the MAF sensor.
t. Place the 2nd mounting grommet removed from the factory air box into the 7/8" hole on the CPT intake box cover.
u. To install the CPT intake box cover, press the mounting grommet onto the OE mounting stud. Next, secure the rear edge to the lower CPT intake box using 4 small bolts that are supplied with your kit.

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. Reinstall the negative battery terminal.
c. Start the vehicle and check for proper operation.
d. 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.

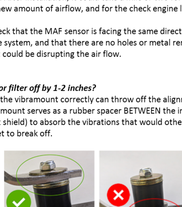
-END OF INSTRUCTIONS-

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