



CCS INTAKE MANIFOLD OIL CATCH CAN KIT FOR GEN 6 FORD EXPLORER ECO- BOOST 3.0L TT V6

PART NO. CCS-FR-101

MADE IN USA



Important: Read these instructions in their
entirety prior to installation.

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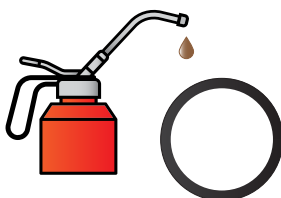
PARTS CHECK

- Visit the website product page to confirm vehicle application and confirm all parts have arrived by checking the images:



BEFORE YOU BEGIN

- ⚠ WARNING:** This product should be installed by a qualified mechanic.
- ⚠ WARNING:** Improper installation could result in severe engine damage.
- 💡 Lubricate all quick connect fitting barbs before connecting the hoses.
- 💡 Lubricate all visible O-rings prior to installation to prevent damage and ensure a leak-free seal.
- 💡 Use aluminum tools to avoid damaging the aluminum fittings.



- 💡 This kit is supplied with a custom bracket pad, 3D printed from robust, carbon-fiber-infused nylon plastic. This polymer withstands temperatures up to 293 °F (145 °C) and is more than suitable for engine bays.



Figure 1 - Bracket Pad 1 (2020-2024)

Figure 2 - Bracket Pad 3 (2025+)

- 💡 Insert the thin aluminum spacer into Bracket Pad 1 before installation.

INSTALLATION INSTRUCTIONS

⚠ WARNING: Confirm the car is not hot prior to installation.

REMOVING THE FORD PCV TUBE

1. Open the hood to access the engine compartment.
2. Find the tube on the passenger side of the engine, shown in Figure 3.

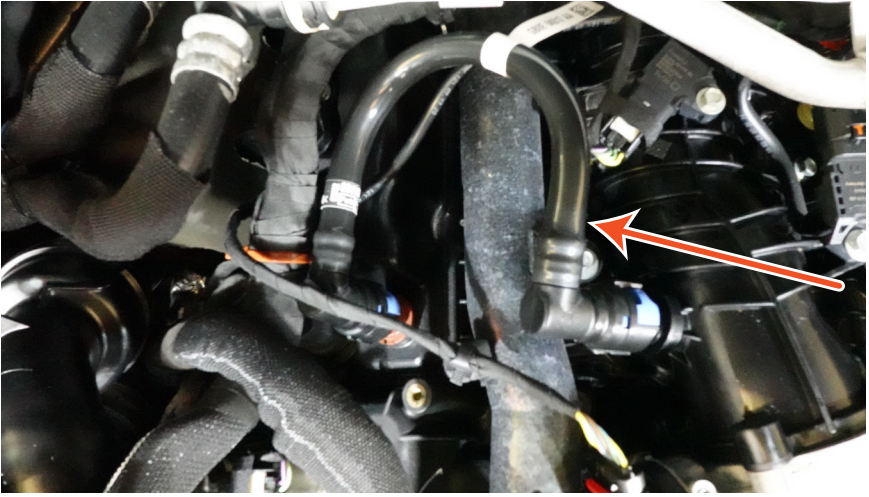


Figure 3 - PCV Tube Location on Engine

3. Remove the tube by lifting and rotating the tab, shown in Figure 4.

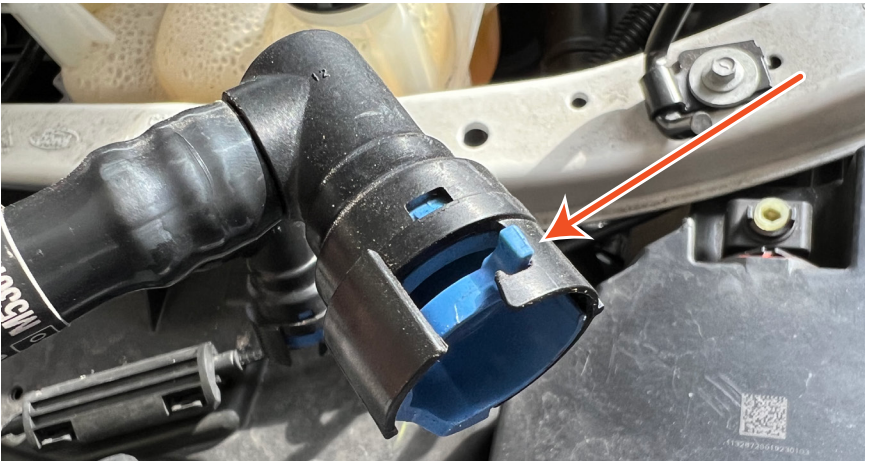


Figure 4 - PCV Tube Release Tabs

4. Set the tube aside: This part will no longer be used.

MOUNTING THE CATCH CAN BRACKET

1. Install the bracket pad, flat bracket and hardware as shown in Figure 5 and Figure 6, depending on your model year.

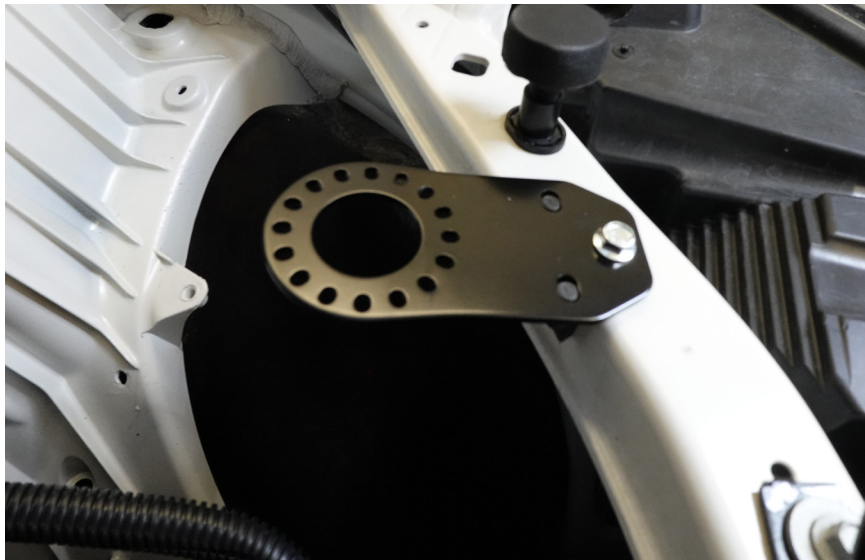


Figure 5 - Mounted Bracket on Core Support (2020-2024)



Figure 6 - Mounted Bracket on Core Support (2025+)

2. Use 10mm tools to torque the hardware to 80 lb-in (9 N-m).

MOUNTING THE CATCH CAN

1. Remove the nut from the catch can.
2. Insert the catch can through the large hole in the mounting bracket.
3. Position the pin into the bracket hole shown in Figure 7.

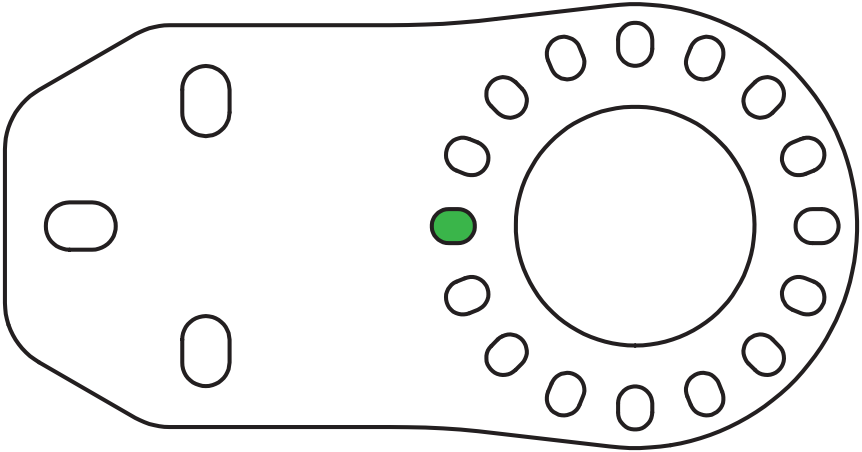


Figure 7 - Correct Bracket Hole for Pin on Top of Catch Can

4. Thread the nut onto the catch can and tighten with a $\frac{5}{8}$ " wrench.
- 💡 When hand tightening, smear a dab of anti-seize around the threads to guarantee the nut is properly tightened.

CONNECTING THE LINES

1. Install the straight adapter into the IN port on the catch can.
2. Torque the fitting between 13 to 16 lb-ft (17 to 22 N-m).
3. Install the 90° adapter fitting into the OUT port of the catch can:
 - a. Confirm the O-ring is on the smooth part of the fitting.
 - b. Turn the free spinning nut down flush to the O-ring.
 - c. Install the fitting into the OUT port, confirming the nut remains flush and forces the O-ring completely inside the gland.
 - d. Position as shown in Figure 8.
 - e. Tighten the nut between 13 to 16 lb-ft (17 to 22 N-m).



Figure 8 - OUT Adapter Fitting Placement

4. Connect the longer hose as follows:
 - a. 90° fitting to the blue/brown PCV valve.
 - b. Straight fitting to the catch can IN port.
5. Connect the shorter hose as follow:
 - a. Straight fitting to the catch can OUT port.
 - b. 90° fitting to the intake manifold.

COMPLETING THE INSTALL

1. Confirm all mounting hardware is properly fastened.
2. Confirm all hoses are properly connected.
3. Install the included hose separator and tighten using a $\frac{3}{16}$ " hex tool.
4. Start the vehicle and check for signs of a vacuum leak.
 - a. Troubleshoot and check connections if necessary.
5. Confirm the safety lock clip is installed in the can before closing the hood.

 Installation is now complete. Thank you for purchasing an Improved Racing product!