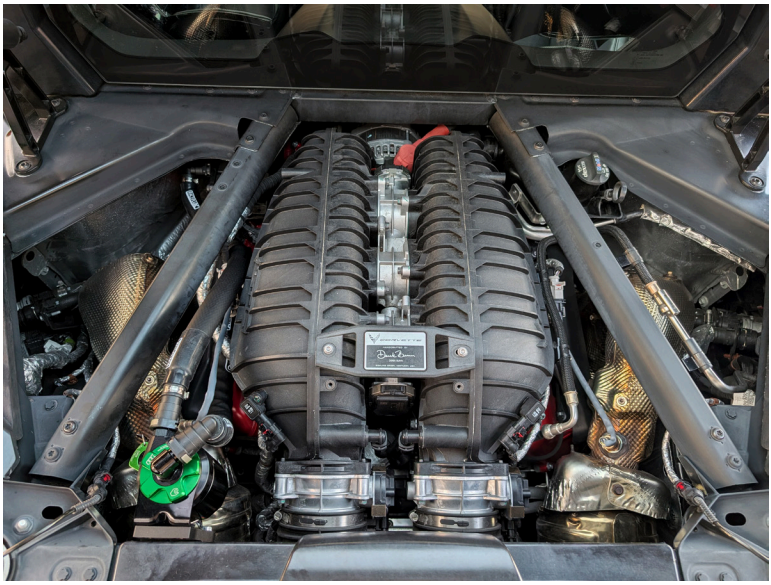
CCS OIL CATCH CAN KIT FOR 2023+ C8 CORVETTE Z06 COUPE

PART NO. CCS-GM-C82

MADE IN USA



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

For contact information, visit www.improvedracing.com

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Rev 260420

PARTS CHECK

- Visit the website product page for technical data and to confirm all parts have arrived by checking the images.

INSTALLATION INSTRUCTIONS

BEFORE YOU BEGIN

WARNING: This product should be installed by a qualified mechanic.

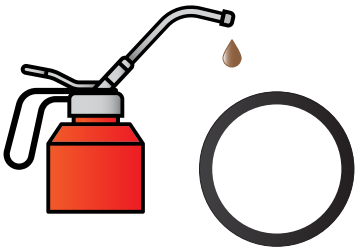
WARNING: Improper installation could result in severe engine damage.

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.

Read through this manual, in addition to the general CCS product manual prior to installation.



PREPARE THE CAR

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

1. Open the hood to access the engine compartment.
2. Remove aftermarket engine covers when necessary.
3. Locate the factory PCV tube on the right-side engine valve cover shown in Figure 1 and Figure 2.



Figure 1 - PCV Tube Location on Engine

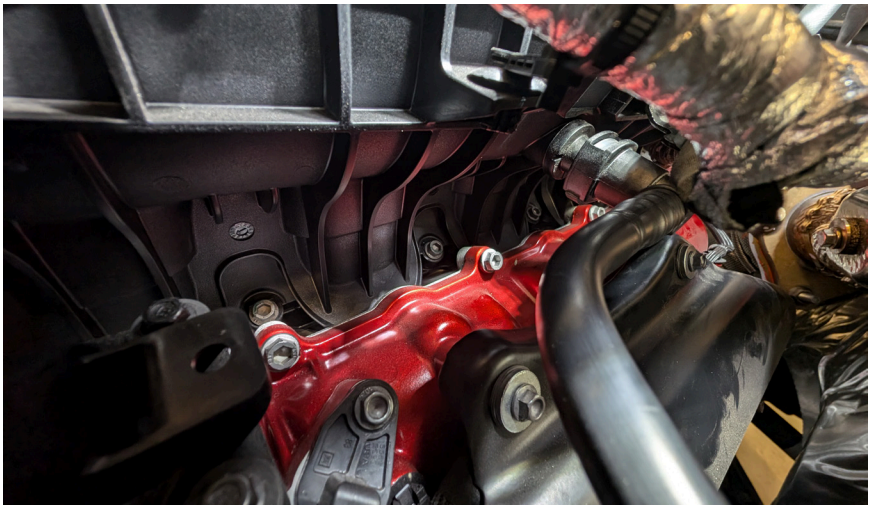


Figure 2 - PCV Tube Location on Engine

4. Depress the buttons on each end of the tube and remove the tube from the engine by gently pulling on each connection at the same time.
5. Set the tube aside: This part will no longer be used.

MOUNT THE CATCH CAN BRACKET

1. Locate the two mounting holes shown in Figure 3.

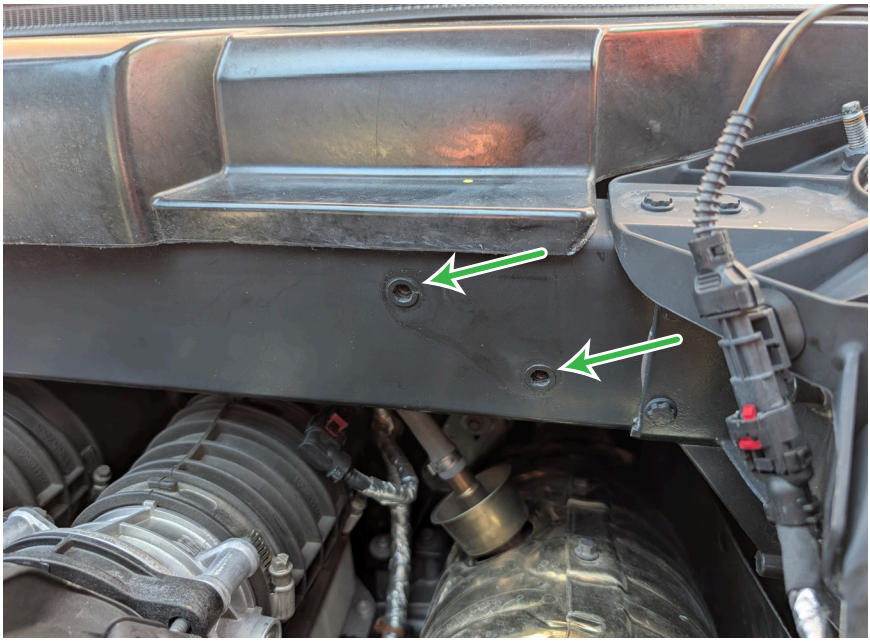


Figure 3 - Mounting Holes in Engine Compartment

2. Use a 10 mm tool to install the 90° sheet metal bracket onto the billet base plate using three of the included screws.
3. Torque the screws to 100 lb-in (11 N-m).
4. Use a 10 mm tool and the remaining screws to install the base plate, bracket and lanyard, shown in Figure 4.

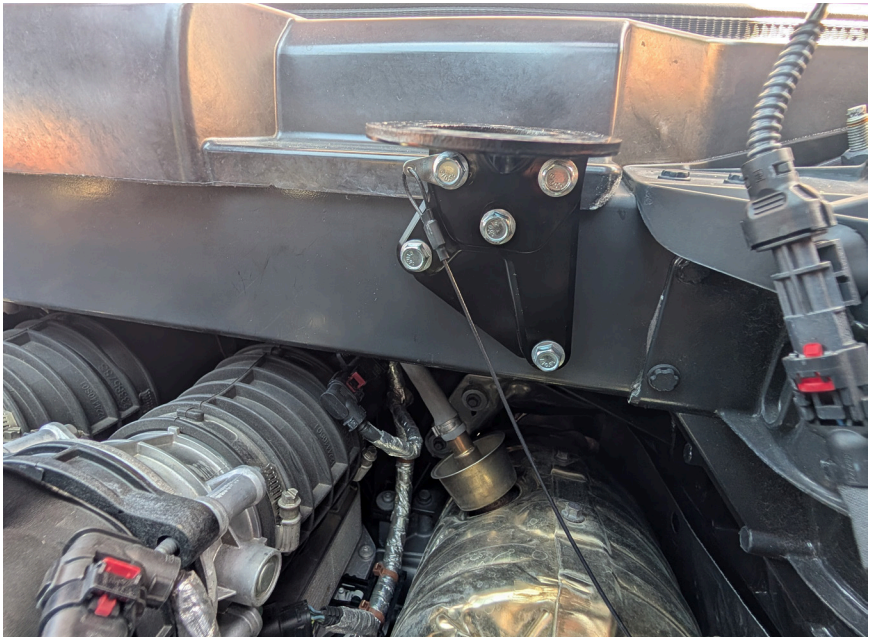


Figure 4 - Base Plate, Bracket & Lanyard Installed

5. Torque the screws to 50 lb-in (6 N-m).

MOUNT THE CATCH CAN

1. Remove the nut from the catch can.
2. Thread each adapter fitting into the catch can.
3. Torque the fittings between 13 to 16 lb-ft (17 to 22 N-m).
4. Insert the catch can through the large hole in the mounting bracket.
5. Position the pin into the bracket hole shown in Figure 5.

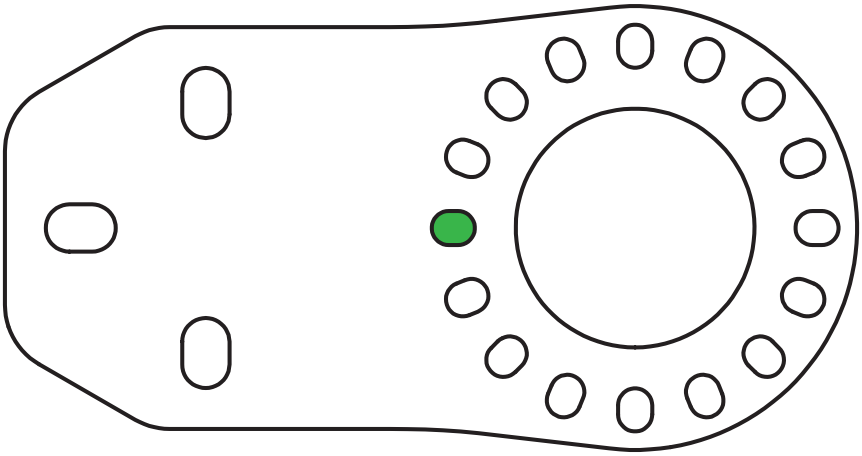


Figure 5 - Correct Bracket Hole for Pin on Top of Catch Can

6. Thread the nut onto the catch can and tighten with a 16 mm (5/8") wrench.

When hand tightening, smear a dab of anti-seize around the threads to guarantee the nut is properly tightened.

CONNECT THE LINES

1. Connect the shorter line:
   a. Connect one of the 90° fittings to the intake manifold.
   b. Connect the remaining 90° fitting to the OUT adapter fitting on the catch can.
2. Connect the longer line:
   a. Connect the 90° fitting to the factory air-oil separator.
   b. Connect the straight fitting to the IN adapter fitting on the catch can.

Refer to the pictures on the website for additional detail.

COMPLETE THE INSTALL

1. Confirm all mounting hardware is properly fastened.
2. Confirm all hoses are properly connected.
3. Attach the safety lock clip to the lanyard and install onto the catch can.
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!