



CCS OIL CATCH CAN KIT FOR GEN 5 CAMARO SS W/ L99 ENGINE (AUTO TRANS)

PART NO. CCS-GM-105

MADE IN USA



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






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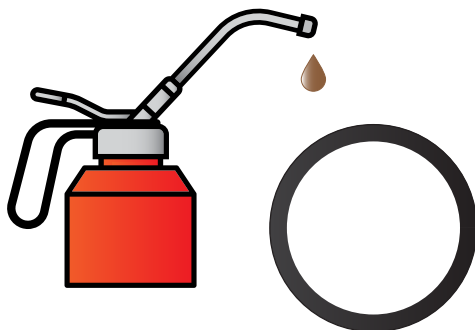
APPLICATION & PARTS CHECK

- 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.



INSTALLATION INSTRUCTIONS

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

PREPARING THE CAR

1. Open the hood to access the engine compartment.
2. Remove the engine cover.
3. Disconnect the battery.
- 💡 Use zip-ties to secure the battery wires from contacting the terminals.
4. Remove the factory PCV hose from the intake and valve cover:
 - a. Consider removing the EVAP solenoid cylinder head bracket for more work space.
 - b. Consider unplugging the MAF harness for more work space.
 - c. Remove the factory PCV tube connected to the intake manifold and left side, rear valve cover by lifting and rotating the lock tabs.
 - d. Leave parts off/unplugged until reassembly.
5. Remove the stud from the right side cylinder head shown in Figure 1 and set the stud aside.

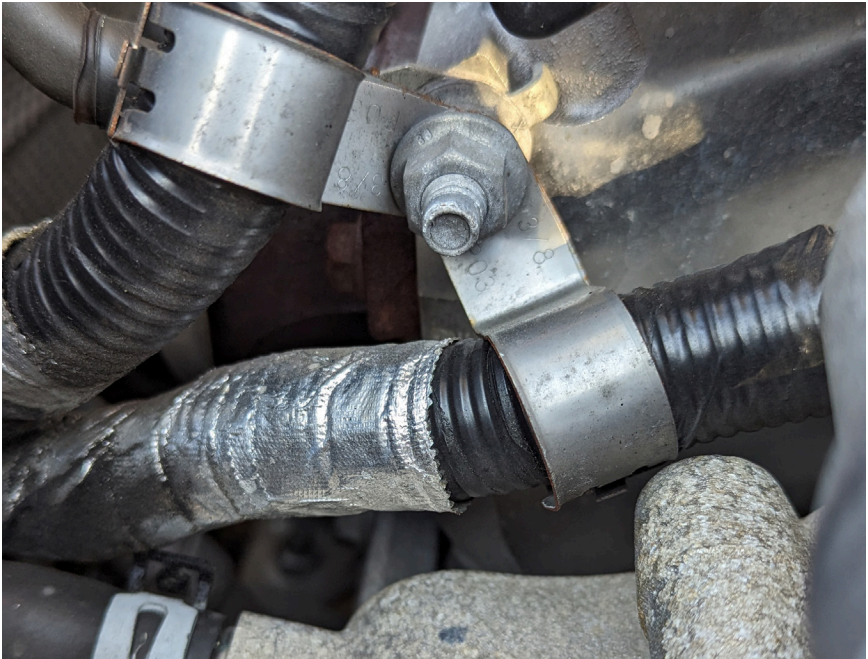


Figure 1 - Stud and Clamps to Remove from Right Side Cylinder Head

6. Remove the metal wire harness clamps shown in Figure 1 and set aside.
- 💡 The wire harness is rigid and stays in place without the clamps.
7. Flatten the tab on the ring terminal using pliers.
8. Use the short screw supplied with the kit to move the wire terminal into the lower cylinder head hole shown in Figure 2.



Figure 2 - Ground Wire Relocated

9. Torque the screw to 20 lb-ft (27 N-m).

INSTALLING THE BRACKET & CAN

1. Review the included CCS product manual.
2. Assemble the 90° catch can bracket onto the bracket using all three M6 flange screws.
3. Torque the M6 screws to 8 lb-ft (10 N-m).
4. Install the spacer and bracket onto the cylinder head location shown in Figure 3 using the long socket cap screw provided with the kit.

💡 The bracket and spacer interlock with each other, and to the corner of the cylinder head, shown in Figure 3.

💡 The spacer may require filing to fit aftermarket cylinder heads.

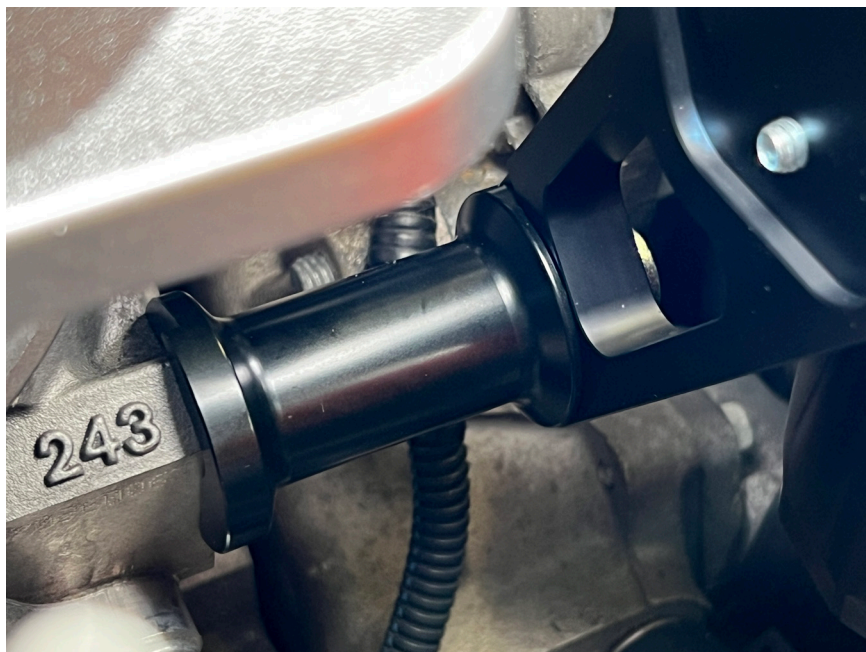


Figure 3 - Bracket & Spacer Mounted to Cylinder Head

5. Torque the screw to 33 lb-ft (44 N-m).
6. Insert the catch can through the large hole in the mounting bracket.
7. Position the catch can pin into the bracket hole shown in Figure 4.

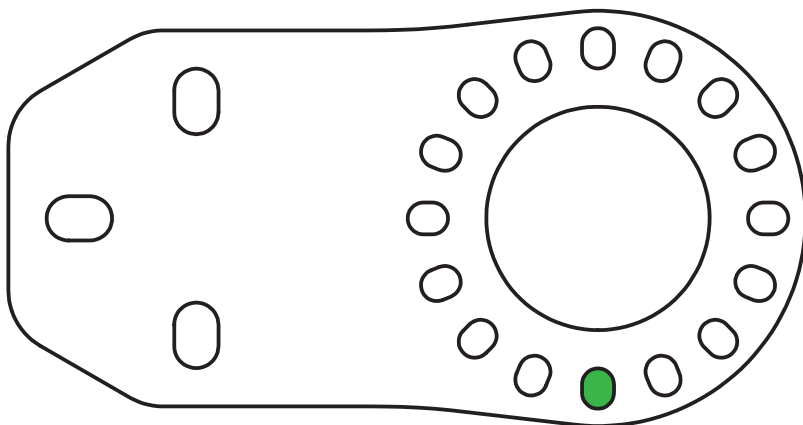


Figure 4 - Bracket Hole for Catch Can

8. Thread the nut onto the catch can and tighten with a $\frac{5}{8}$ " wrench.
- 💡 When hand tightening, smear a dab of anti-seize into the threads to guarantee the nut is properly tightened.
9. Thread each adapter fitting into the catch can.
10. Torque the fittings between 13 to 16 lb-ft (17 to 22 N-m).
11. Follow the same path as the original hose to connect the longer hose as follows:
 - a. 90° fitting to the valve cover.
 - b. Route the hose under the throttle body, not over like factory.
 - c. Straight fitting to the catch can "IN" port
12. Connect the shorter hose as follows:
 - a. 90° fitting to the catch can "OUT"
 - b. Straight hose to the intake manifold.

COMPLETING THE INSTALL

1. Reinstall the EVAP bracket and reconnect the MAF harness if removed for installation.
2. Reconnect the battery.
3. Test fit the engine cover and mark for trimming.
4. Remove the cover and trim using your preferred tool.
5. Replace the engine cover and confirm fit is similar to Figure 7.



Figure 5 - Trimmed Engine Cover

6. Start the vehicle and check for signs of a vacuum leak.
 - a. Troubleshoot and check connections if necessary.
7. 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!