# 5TH GEN LS7 CHEVROLET CAMARO Z/28 CCS OIL CATCH CAN KIT

## PART NO. CCS-GM-104

MADE IN USA

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

For contact information, visit www.improvedracing.com

Copyright © 2008-2023 Improved Racing Products, LLC. All rights reserved.

Rev 231201

## APPLICATIONS

- 2014-2015 Chevrolet Camaro Z/28 LS7 V8.

## PARTS LIST

| Item | Qty | Part Number | Description |
|---|---|---|---|
| 1 | 1 | CCS-80 | Catch Can Top |
| 2 | 1 | CCS-71 | 7 fl oz Reservoir |
| 3 | 1 | CCS-GM-104-01 | Dry Sump Tank Bracket |
| 4 | 1 | CCS-31 | Catch Can to Oil Tank Bracket |
| 5 | 3 | HSC-1040 | M6x1 Mounting Screw |
| 6 | 1 | CCS-GM-104-50 | Dirty Circuit Hose |
| 7 | 1 | CCS-GM-104-51 | Clean Circuit Hose |
| 8 | 1 | CCS-41-01 | Catch Can Lock |
| 9 | 2 | OQ-06-M10 | -6 Adapter Fitting |

## MOUNTING LOCATION ON VEHICLE

- The bracket included with the kit installs onto the dry sump oil tank.
    - This is shown in Figure 1.

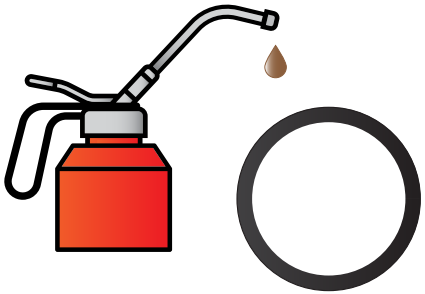
**Figure 1 - Bracket Mounting Location**

## BEFORE YOU BEGIN

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

### PREPARING THE CAR

1. Open the hood to access the engine compartment.
2. Remove the right side engine cover.
3. Remove the original PCV hose from the intake and valley cover:
   a. Unfasten EVAP or EGR systems to permit clearance.
   b. Unclip the MAF harness to permit clearance.
   c. Remove the original PCV tube.
   d. Leave components detached until reassembly so that your hands have space to work.
4. Remove the screws on the oil tank flange, shown in Figure 1.

## INSTALLING THE BRACKET & CAN

1. Review the included CCS product manual.
2. Assemble the 90° catch can bracket onto the oil tank bracket using all three M6 flange screws.
    a. Torque the M6 screws to 120 lb-in (13,000 N-mm).
3. Install the oil tank bracket onto the flange using the factory screws.
    a. Torque the M8 screws to 18 lb-ft (24 N-m).
4. Install the catch can onto the tank bracket as shown in Figure 2.

**Figure 2 - Catch Can Installed**

5. Shown in Figure 3, firmly tighten the green nut once the catch can is positioned as shown in Figure 2.

Apply anti-seize onto the threads when hand-tightening the green nut because this increases the clamping force and properly secures the can.

**Figure 3 - Using an Aluminum Wrench to Tighten the Green Nut**

6. Thread each adapter fitting into the catch can.
7. Torque the fittings between 13 to 16 lb-ft (17 to 22 N-m).
8. Connect the hoses as follows:
   a. Connect the 45° fittings to the valley cover and intake manifold
   b. Connect the 90° fitting to the catch can “OUT”
   c. Connect the remaining hose to the catch can “IN” port.

## COMPLETING THE INSTALL

1. Reinstall the EVAP and MAF harness removed for installation.
2. Replace the engine covers.
3. Start the vehicle and check for signs of a vacuum leak. Check all connections and troubleshoot if necessary.
4. Install the safety lock clip into the can before closing the hood.

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