



6TH GEN LT1 CHEVROLET CAMARO CCS OIL CATCH CAN KIT

PART NO. CCS-GM-103

MADE IN USA



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

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APPLICATIONS

- 2016-2024 Chevrolet Camaro LT1 V8.

PARTS LIST

Item	Qty	Part Number	Description
1	1	CCS-80	Catch Can Top
2	1	CCS-71	3.5 fl oz Reservoir w/Drain
3	1	CCS-GM-103-01	Catch Can Bracket
4	2	11547383	GM Part - M6x1 Stud
5	2	HNT-1023	M6x1 Flange Nut
6	2	HWA-1006	M6 Washer
7	1	OQ-06-M10	Straight Catch Can Adapter Fitting
8	1	OQ-090-06-M10	90° Catch Can Adapter Fitting
9	2	CCS-GM-103-50	CCS Kit Hoses
10	1	CCS-41-01	Catch Can Lock

MOUNTING LOCATION ON ENGINE

- The bracket included with the kit installs onto the thermostat housing.
 - This is shown in Figure 1.
 - Two extra thermostat housing studs are included.
 - These are GM part 11547383, listed in the Parts List.
 - Some engines may not have these studs from the factory.
 - If you engine does not have the studs, install the included studs as shown in Figure 1.
 - Remove, replace and properly torque one screw/stud at a time.
-  Improved Racing strongly recommends that our customers purchase a metal thermostat housing based on cracking problems Camaro owners have voiced on the forums.
- Advanced Modern Performance, Brian Tooley Racing and Granatelli Motor Sports each offer this housing, and are brands Improved Racing recommends.

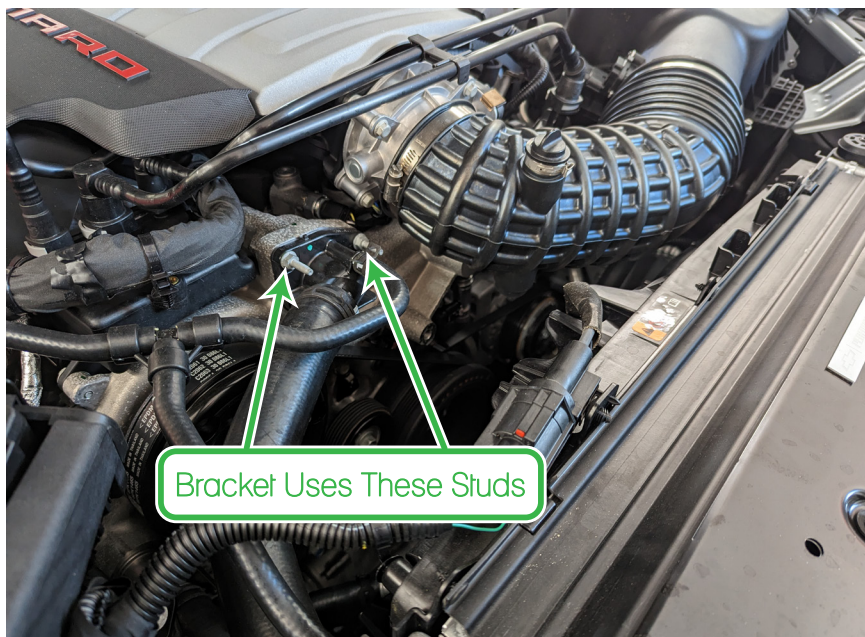



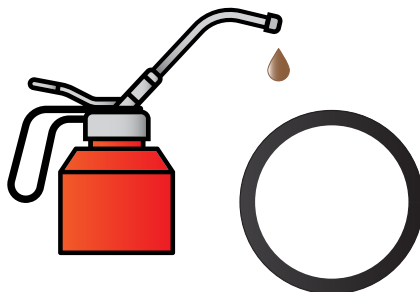


Figure 1 - Bracket Mounting Location

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. Gently pull upward to remove the black plastic engine cover on the left side of the engine.
3. Remove the factory PCV tube by depressing the buttons on each fitting, shown removed in Figure 2.

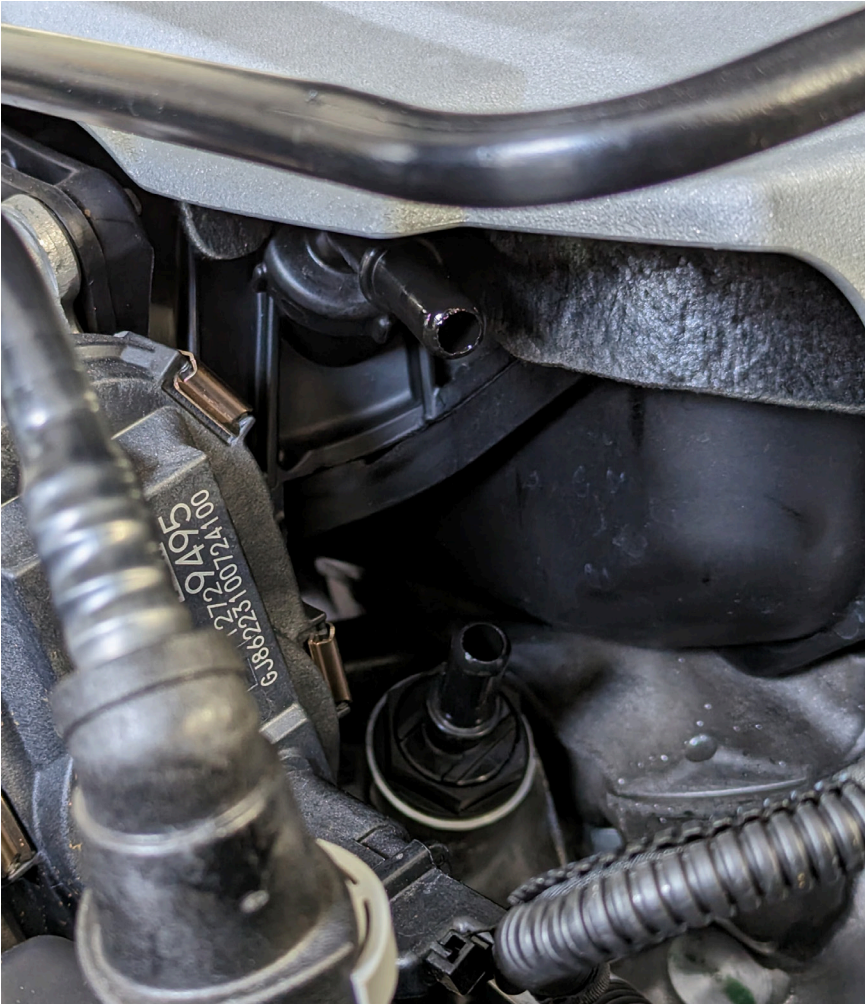


Figure 2 - Factory PCV Tube Removed

INSTALLING THE BRACKET & CAN

1. Review the included CCS product manual.
2. Install the included GM studs when applicable, otherwise proceed.
 - a. Torque to 100 lb-in (11 N-m).
3. Place a M6 washer onto each stud, followed by the bracket.
4. Hand tighten the M6 flange nuts onto the bracket.
5. Brace the stud nuts with a 10mm wrench so that it does not tighten further, THEN tighten each flange nut using a deep 10mm socket.
 - a. Torque to 100 lb-in (11 N-m).
6. Connect one hose to the valley cover fitting and connect the other hose to the intake manifold.
7. Install the catch can as shown in Figure 3.
 - a. The 90° adapter fitting is for the OUT port.
 - b. The straight adapter fitting is for the IN port.
 - c. Torque fittings between 13 to 16 lb-ft (17 to 22 N-m)
 - d. Position CCS in the bracket and tighten the nut.
 - e. Connect the valley cover hose to the IN port.
 - f. Connect the intake manifold hose to the OUT port.

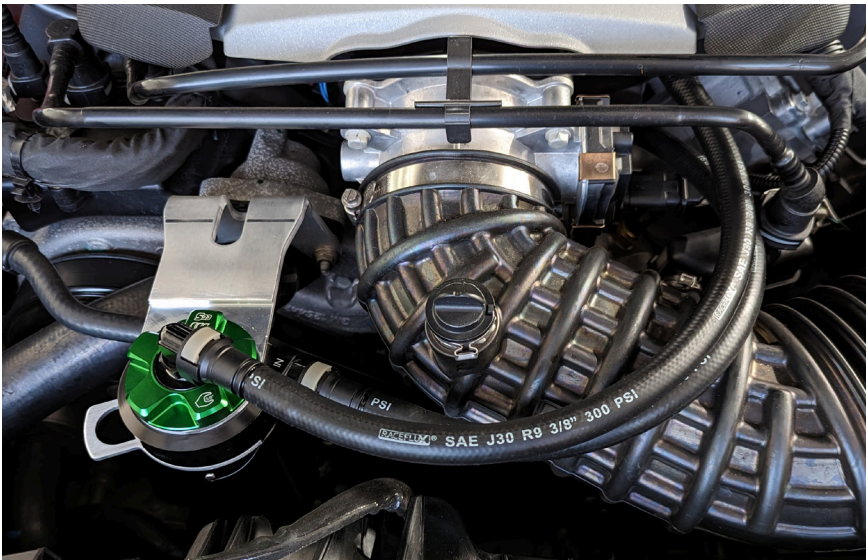



Figure 3 - Catch Can Installed

COMPLETING THE INSTALL

1. Replace the engine cover.
2. Start the vehicle and check for signs of a vacuum leak. Troubleshoot and check connections if necessary.
3. Install the safety lock clip before closing the hood.

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