Chevrolet Camaro Z/28 Dry Sump Catch Can Kit:

Blow-by gasses vented from the PCV system contain oil and fuel that can be ingested back into the intake manifold and airbox. This "sludge" can contaminate and reduce flow through the air filter, reduce the effective octane rating of fuel, increase chance of knock / detonation, reduce power, and fuel economy. Catch cans condense and filter oil and fuel from blow-by gasses and reduce or eliminate the amount of contaminants entering the engine.

This kit is a convenient solution to allow you to install a catch can system without otherwise modifying your 2014-2015 Z/28. Hoses, clamps, fittings, catch can, and brackets required for installation as shown are included.

2014 – 2015 Camaro Z/28 Catch Can Kit

Features:

- Non invasive: No drilling.
- Bracket bolts on without drilling.
- Easy and quick installation, two bolts install the bracket.
- Oversized hoses slow the airflow to promote condensation of oil and fuel residue
- Lightweight, pocketed design; billet aluminum.
- Durable hard anodized finish.

2014 – 2015 Camaro Z/28 Catch Can Kit Installed

Specifications:

Composition:	6061-T6 Aluminum, Stainless Steel Hardware
Finish:	Black anodize, type III hardcoat
Catch Can:	Mishimoto Compact Baffled 2 Port Catch Can

Package Contents:

1 x bracket
3 x stainless steel flat head screws
1 x catch can
1 x loctite 242
2 x custom hoses
2 x heat shrink hose clamps
2 x tywraps

Ordering Information:

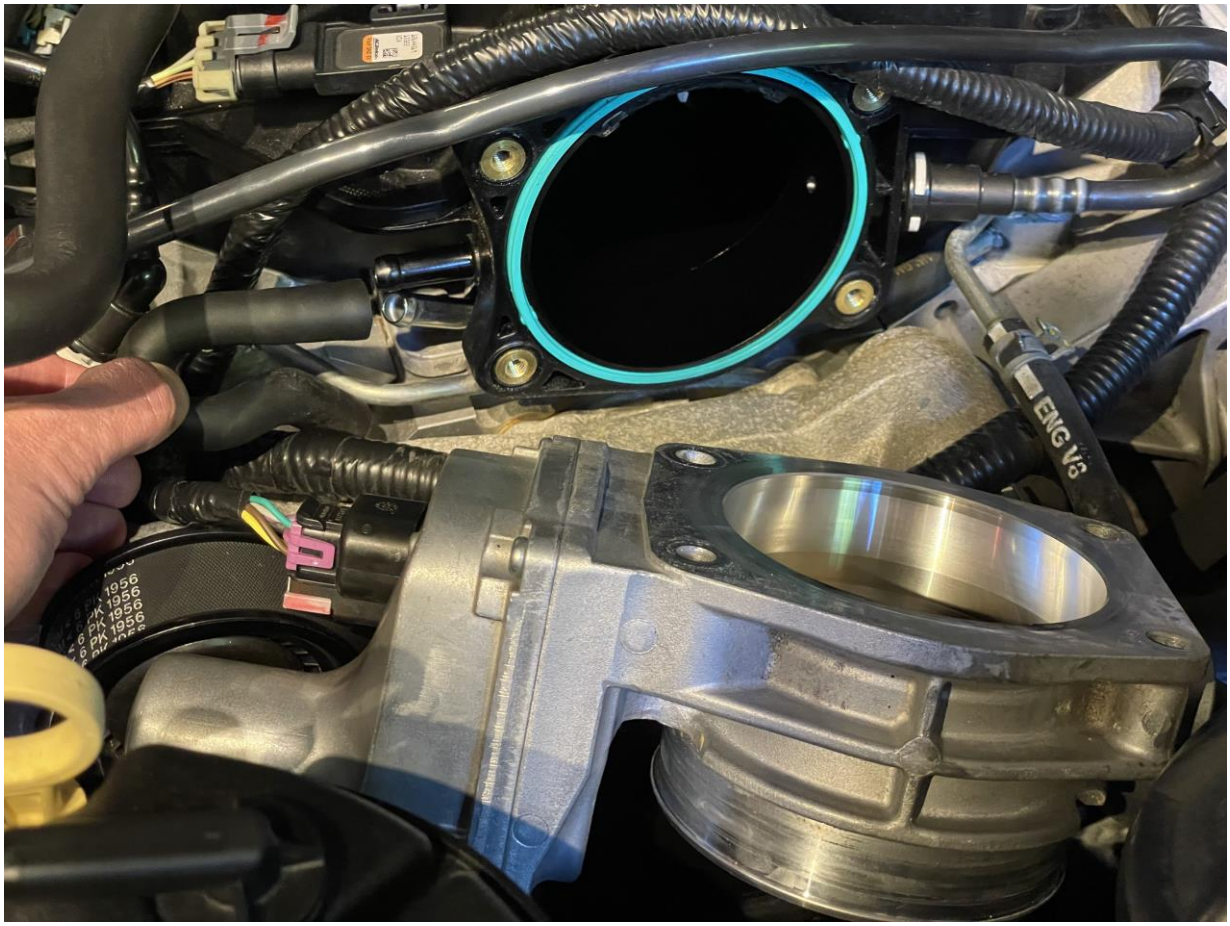
http://dougshelbyengineering.com/

Inside the Catch Can showing Washable Baffle and Filter

Installation Guide:

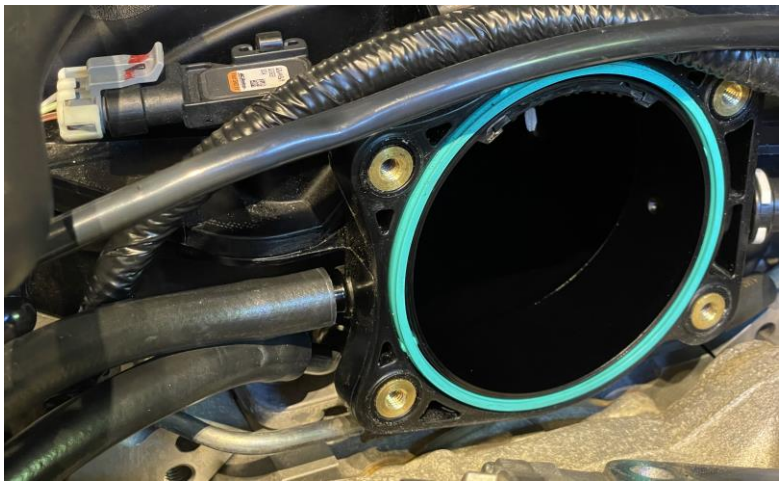
Plumbing Installation

- The catch can is to be installed between the intake manifold and the LS7 valley cover.
- *Please note the "IN" side of the catch can is the "dirty" side from the engine (valley cover). "OUT" side of the catch can is the clean side and should go to intake manifold.*
- Remove or adjust the OEM components as necessary:
  - Remove the elbow connecting the air filter to the throttle body
  - Remove the throttle body
  - Remove the hose between the valley cover and the intake manifold by pulling it off of the fittings.



With the throttle body removed, remove the hose between the Valley Cover and Intake Manifold

- Install the custom hoses onto the valley cover and intake manifold. Take note there is a longer and shorter hose. Press the hoses onto the fittings over the barb.
  - *The longer hose connects to the "IN" side of the catch can and should be installed on the lower valley cover fitting.*
  - *The shorter hose connects to the "OUT" side of the catch can and should be installed on the upper intake manifold fitting.*



Hoses Installed Onto the Intake Manifold and Valley Cover Fittings

- *The bracket installs with two bolts on to the dry sump oil tank. Remove the two bolts in question.*
- *Mount the bracket using the longer bolts included with the kit. Apply Loctite and tighten to 25 lb-ft.*
- (Optional) Install the heat shrink hose clamps over the hoses and move out of the way.
- If the catch can is not already installed onto the bracket, orient it as shown and use Loctite on the flat head screws to install. Install the round spacer between the catch can and bracket.
- Press fit the hoses onto the catch can keeping track of the IN (longer, valley cover) and OUT (shorter, intake manifold) hoses.
- Use the supplied ty-wraps to secure hoses together roughly as shown.
- (Optional) Shrink the hose clamps around the catch can fittings using a heat gun if they are being used.
- Reinstall the throttle body, tighten bolts to 12nm / 106 in-lbs.
- Reinstall the elbow from the throttle body to air filter.

Ty-wraps securing the hoses together.

Catch Can Kit Installed

Catch Can Design:

Incoming air is directed in a rotational pattern by the deflector on the input port to allow the oil/fuel more time to condense on the baffle. The aluminum baffle promotes condensation but also serves to contain the liquid at the bottom of the can during track running. Finally the air exiting the can is filtered by a 50 micron bronze filter to ensure complete separation of air and contaminants. All of the components are removable and washable for a lifetime of use.

Maintenance:

- Check your catch can often during the first 1000 miles or after every track day to understand how often it will need to be drained by unscrewing the bottom of the can.
- At 1000 miles remove, inspect, and clean the brass filter. Ongoing maintenance will be determined by your findings during the first 1000 miles, vehicle modifications, and usage.
- After each engine modification or change in how the vehicle is used (track, strip, etc.) keep a close eye on the catch can to understand the amount of oil collected.

Thank you for your purchase!

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