

2016+ CAMARO 2.0T CATCH CATCH CAN SYSTEM

PARTS LIST AND INSTALLATION GUIDE



PARTS LIST

- 2 PC |** APPLICATION-SPECIFIC MOUNTING BRACKET
 - 2 PC |** BLACK, ANODIZED 6061 ALUMINUM CATCH CAN
 - 5 PC |** DIRECT-FIT SILICONE HOSES
 - 11 PC |** HIGH-QUALITY WORM GEAR CLAMPS
 - 2 PC |** METAL TOOL FOR REMOVING STOCK FITTINGS
 - 4 PC |** PLASTIC BARBED FITTINGS
 - 1 PC |** PLASTIC BARBED STRAIGHT FITTING
 - 1 PC |** PATENT PENDING PCV ADAPTER
(SUPPLIED WITH 2 EXTRA O-RINGS)
 - 2 PC |** AIR DIVERTER
 - 2 PC |** INTERNAL BAFFLE & ROD
 - 2 PC |** 3/8" NPT PLUG
 - 2 PC |** LARGE O-RING
- MOUNTING HARDWARE

TOOLS NEEDED

- | | |
|-----------------------|----------------------|
| 7MM SOCKET | 1/4" DRIVE RATCHET |
| T25 TORX SOCKET | HOSE CLAMP TOOL |
| 4MM ALLEN SOCKET | FLATHEAD SCREWDRIVER |
| 1/4" UNIVERSAL SWIVEL | |
| 1/4" EXTENSION | |

**INSTALLATION TIME UNDER AN HOUR
FOR THE FULL KIT, 30 MINUTES FOR
EACH INDIVIDUAL KIT**

INSTALL DIFFICULTY

DISCLAIMER

- Raise vehicle only on jack stands or on a vehicle lift.
- Allow vehicle to cool completely prior to attempting installation.
- Do not run the engine or drive the vehicle while overheating; serious damage can occur.
- Please dispose of any liquids properly.

- Mishimoto is not responsible for any vehicle damage or personal injury due to installation errors, misuse, or removal of Mishimoto products.
- Mishimoto suggests that a trained professional install all Mishimoto products.

INSTALLATION INSTRUCTIONS

Remove the bolt that secures the engine cover and the oil filler cap. Then remove the engine cover. Now reinstall the oil filler cap to make sure nothing falls into the engine during installation.

PCV-SIDE CATCH CAN

- 01.** Install a pair of fittings to the catch can. If you ordered the full kit, make sure that you install the smaller fittings. The larger fittings will be installed on the CCV side. Tighten the fittings until they are snug, but do not overtighten them. These fittings have a tapered thread and may not be flush with the can when fully tightened. (2x small fittings)
- 02.** Install the main bracket to the catch can and secure it with the provided Allen bolts and plastic washers. Leave the bolts loose for now to allow for adjustment. (2x plastic washers, 2x 2.5mm Allen bolts)



- 03.** Remove two of the nuts that secure the main fuse box to the vehicle. Install the catch can assembly over the studs and reinstall the nuts to secure the assembly. (2x 10mm nuts)



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- 04.** If you are installing both the CCV and PCV side catch cans, skip ahead to steps 19 and 20 to remove the CCV hoses from the valve cover before proceeding to step 5. Doing so will make it much easier to install the PCV bypass adapter. If you are installing the CCV side only, simply continue to step 5.
- 05.** Remove the bolt that secures the CCV hose to the valve cover. Then disconnect the CCV hose from the intake. To release this fitting, slide the locking tab over and pull the hose off the port. Now rotate the hose assembly to give yourself access to the PCV plug on the valve cover. Note: In 2017, this CCV connection was changed to a non-serviceable fitting. If you purchased the full kit, the included disconnect tools will work on this fitting. The disconnect procedure is covered later in this installation. If you only purchased the PCV side catch can and you are having trouble installing the PCV adapter with this fitting attached, disconnect the intake tube from the throttle body and engine to swing the whole assembly out of the way. (1x 10mm bolt)



- 06.** Locate the tapered hose in your kit with two bends. Install a worm-gear clamp over the wider end and slip it over the fitting marked OUT on the catch can. Lead the tapered end under the emissions hose and slip a worm-gear clamp over this end. Now locate the double-barb hose fitting in your kit and install it to the tapered end of the hose. (2x worm-gear clamp)

- 07.** Remove the PCV plug from the side of the valve cover. (1x 6mm Allen key plug)



- 08.** Install the PCV adapter. This adapter is sealed by a small O-ring at the end. Take care when installing the adapter to avoid damaging this seal. If the adapter is installed on an angle, the O-ring will be damaged. Lubricate the O-ring with fresh engine oil and insert the adapter into the valve cover. Lift up on the CCV lines as you thread in the fitting and take your time to avoid damaging it.



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- 09.** Snug the adapter to the valve cover. Depending on your vehicle, the angled port on the adapter may point towards the front or rear of the vehicle when tightened. There is a provision on the hose which allows this port to face in either direction.



- 10.** Locate the short hose in your kit and install two worm-gear clamps. (2x worm-gear clamps)
- 11.** If your adapter is pointing towards the rear of the vehicle, you will install the short end of this hose to the angled tube on the adapter and use the full length of the hose.
- 12.** If your adapter is pointing towards the front of the vehicle, you will install the hose in the same way, and then trim the excess hose.



- 13.** Locate the tapered hose in your kit with three bends. Install a worm-gear clamp over the wider end and slip it over the fitting marked IN on the catch can. Slip a worm-gear clamp over the other end of the hose and install it to the straight tube on the PCV adapter. Now tighten all six clamps to secure the hoses. (2x worm-gear clamps)



- 14.** Turn the catch can until the lines flow smoothly, and then tighten the two bolts that secure the can to the bracket.

CCV-SIDE CATCH CAN

- 15.** Locate the remaining hardware in your kit. The large Allen bolts and washers will secure the secondary catch can bracket to the main bracket. The small Allen bolts and washers will attach the catch can to the bracket.
- 16.** Install the fittings to the catch can and tighten them completely. These are the larger fittings included with your kit. Tighten the fittings until they are snug, but do not overtighten them. These fittings have a tapered thread and may not be flush with the can when fully tightened. (2x large fittings)
- 17.** Install the secondary bracket to the catch can and secure it with the provided Allen bolts and plastic washers. Leave the bolts loose for now to allow for adjustment. (2x plastic washers, 2x 2.5mm Allen bolts)



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- 18.** Install the secondary catch can bracket to the main bracket. (2x 4mm Allen bolts, 2x washers)



- 19.** Locate the hose disconnect tools provided with your kit. These will be used to depress the internal locking tabs of the CCV hose where it attaches to the valve cover. The locking tabs are located directly between the two dimples near the edge of the connector. There are two tabs on each connector which must be depressed simultaneously in order to remove the hose. It does not require much pulling force to remove the hose once the tabs have been released. Using excessive force can damage the fittings attached to the valve cover.



- 20.** This step can be a bit tricky, so take your time. The tools are meant to be bent in order to maneuver them around other components on the engine. Start with the rear CCV hose connection. Slip the tools behind the connector and squeeze the connector and tools together to depress the tabs. Then slide the connector off of the fitting. Once the rear hose is loose, turn the hose for better access to the forward connection. Now repeat the removal process on the forward connection.



- 21.** Locate the hose in your kit with a 180° bend on one end and one of the larger quick-disconnect fittings. Slip a worm-gear clamp over the hose and install the fitting as shown here. Leave the clamp loose for now. (1x worm-gear clamp, 1x large quick-disconnect fitting)



- 22.** Install a worm-gear clamp over the other end of the hose and install it to the fitting marked IN on the secondary catch can. Then connect the hose to the rear CCV port on the engine. Simply push it on until it clicks. Now tighten both clamps. (1x worm-gear clamp)

- 23.** Locate the last hose and remaining fittings in your kit. Slip a worm-gear clamp over the hose section that runs perpendicular to the rest of the hose and install the small fitting as shown here. Install another worm-gear clamp and the large fitting to the longest end of the hose. Leave the clamps loose for now. (2x worm-gear clamps, 1x small quick-disconnect fitting, 1x large quick disconnect fitting)
*show hose assembled on bench



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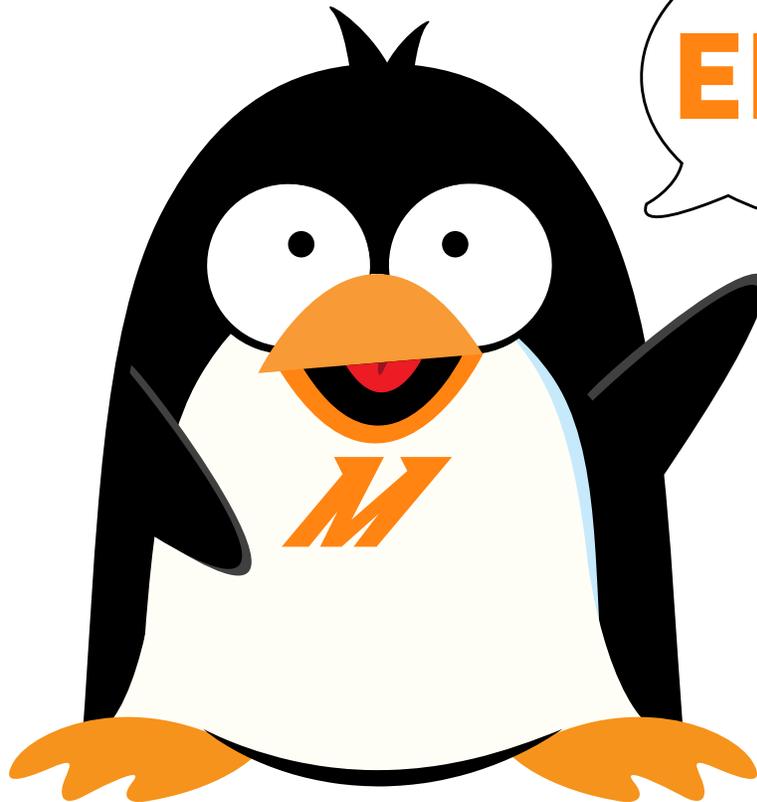


24. Install a worm-gear clamp over the open end of the hose and install it to the port marked OUT on the catch can. Lead the smaller fitting underneath the coolant bypass hose and connect it to the forward CCV port on the engine. Connect the large fitting to the CCV port on the intake hose. Now go back and tighten all three clamps. (1x worm-gear clamp)



25. Turn the can until the lines flow smoothly and then tighten the two bolts that secure it to the bracket.
26. Remove the oil filler cap and reinstall the engine cover. There are two tabs at the back of the cover that must slip into the housing underneath the wiper cowl. Install the bolt that secures the engine cover to the valve cover and reinstall the oil filler cap. If the cover is difficult to install, check the routing of the catch can lines and the position of the clamps to make sure they are not interfering with the fitment. (1x T30 Torx bolt)

Congrats! You just finished installing the 2016+ Camaro 2.0T Catch Can System.



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