

Oil Fill, Breather, and PCV Information For PML Small Block Chevrolet® Center Bolt Valve Covers

The following information applies to these PML small block Chevy™ center bolt valve covers:

- Part Number 10534, fin top
- Part Number 11040, CHEVROLET script lettering and fins
- Part Number 11041, CORVETTE® script lettering and fins

To accommodate the needs of a variety of applications, these valve covers do not come machined with any holes. Since some applications require PCV, oil fill or breather holes, the valve covers are designed to accommodate holes on the intake side, front or rear.

Note that if you have a PCV or breather hole, a separate oil fill hole isn't needed. Oil fill can be done through the PCV or breather hole.

Below is a picture of a cover that has been machined. This is the intake side of the valve cover:



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Whether you have a hole machined or not, your valve covers will come with built in baffles. The picture below shows the interior of these valve covers:



You can also see in the above picture that the cover has had a hole machined. Holes can be machined on the intake side in the front or the rear.

If you need holes, PML can machine them for you. PML charges \$40 per hole machined. You will need to place your order over the phone. Available hole sizes are 1" and 1.22". When you call, let us know:

- Size
- Application
- Location for the hole or holes you need

Following are images showing possible configurations.

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PCV valve
plumbed to a
port at the
base of the
carburetor.



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This is one way to vent the cover.

Other possibilities include:

- a second PCV valve
- an angled fitting in the valve cover with a hose to the air cleaner

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PCV valve plumbed to carburetor and a baffled breather grommet shown in picture at left.



When the above push-in breather is used with the valve cover it would be almost flush with the side of the valve cover as shown at left.

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Corvette script and fins valve covers shown on 1993 Corvette.

Same engine shown at left and in picture below at left.



This picture shows a close-up of the alternator bracket that has been moved.

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Here are close-up images of PCV grommets and push-in breather:



The PCV and breather grommets (1¼ inch) are pictured at left and a push-in breather is pictured at right. PML sells these for \$5 each with your order. These would be almost flush with the side of the valve cover when installed.

After removing the grommet or breather, a hole machined for a PCV or breather can be used for oil fill. A flexible, expanding tube makes accessing the holes on the side of the covers easy. Auto parts stores sell these for a couple dollars. This is a picture of an oil filler tube made by Blitz:

