

PML Chevy Small Block Valve Covers Baffle Machining

General Info

Always check engine configuration before ordering. PML has a Checklist, which is a guide to help determine if PML valve covers will work on an engine.

PML small block Chevy valve covers work with many roller rocker systems but not all. One concern is how the baffle on the inside of the PML covers will fit between the rocker arms.

- PML Chevy small block valve covers will NOT work with stud girdles.
- PML Chevy small block valve covers will NOT work with shaft mounted rocker arms.

PML does not recommend or endorse any particular roller rocker system or engine configuration.

PML cannot warranty our products once modified or accept returns in any condition except new. There is a restocking fee on returns. Review our Return Policy for details.

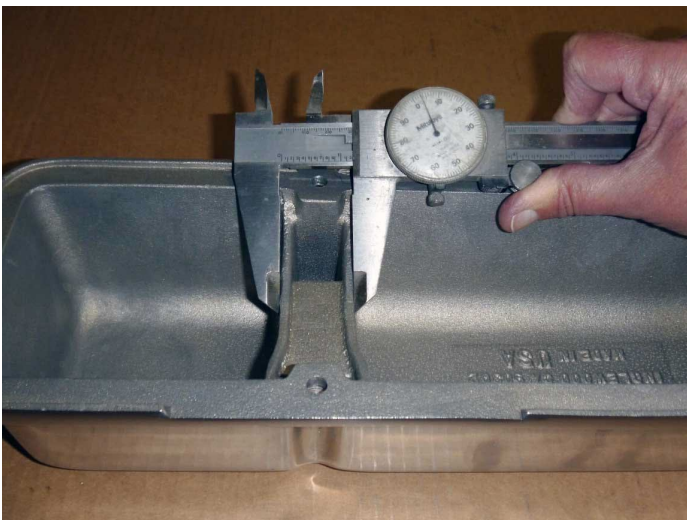
Measurements and Machining

PML Small Block Chevy valve covers have an internal baffle that reduces oil blow-by when the covers are machined with PCV and breather holes.

The baffle is about 1.27 inches wide. For many cylinder heads and roller rocker systems, there is plenty of clearance. For some, the space between the rocker pins is less than the width of the baffle. If there is not enough space between the pins for the baffle, part of the baffle wall can be removed.

PML can machine the baffle to reduce the size by 0.090 to 0.100 inch.

This is custom machining and must be ordered over the phone. Call and let us know the space between your roller rockers.



Baffle inside
PML valve
cover.

Machined.



PML machines the center area of the baffle only. Some rocker arm systems may contact the baffle towards the corner where the baffle meets the side wall.



Customer Example: Edelbrock Performer RPM Kit and PML Valve Covers

With some Edelbrock Performer RPM kits, the space between the pins is 1.16 inches.

However, the baffle on the PML valve covers will hit the pins unless the baffle is reduced in size. PML machined the baffle to reduce the size for this application:

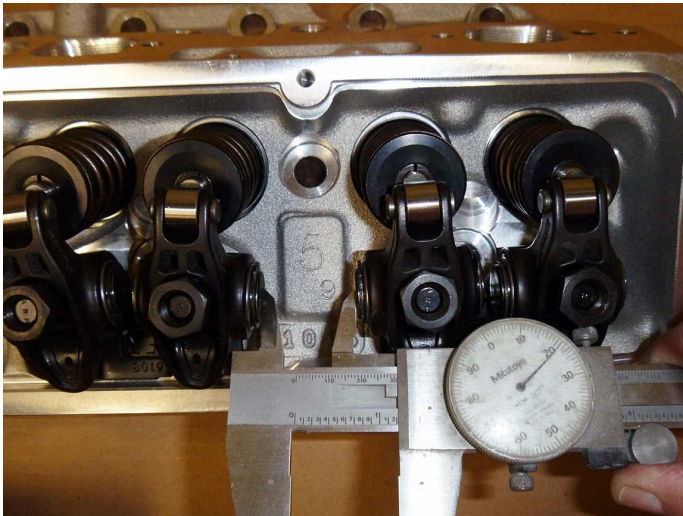


The cylinder head is number 6089. Our thanks to Braun's Automotive in Lomita, CA, for working with us. Contact Braun's at (310) 325-4303.

Customer Example: AFR Heads With Comp Cam Rockers and PML Small Block Chevy Valve Covers

Our thanks to Jerry with his AFR Model # 0916 180cc Street Rod Eliminator Cylinder Heads and Comp Cam Ultra Pro Magnum Roller Rockers.

On this setup, there is about 1.22 inches between the roller rockers. Jerry selected Fel Pro Performance Gaskets 1604, which are double thick. He reported that PML valve covers fit easily although longer bolts might be needed. Jerry used a Dremel tool to remove some material from the baffle so that even without the gaskets the PML covers fit easily. **This information for reference, not tested or endorsed by PML.**



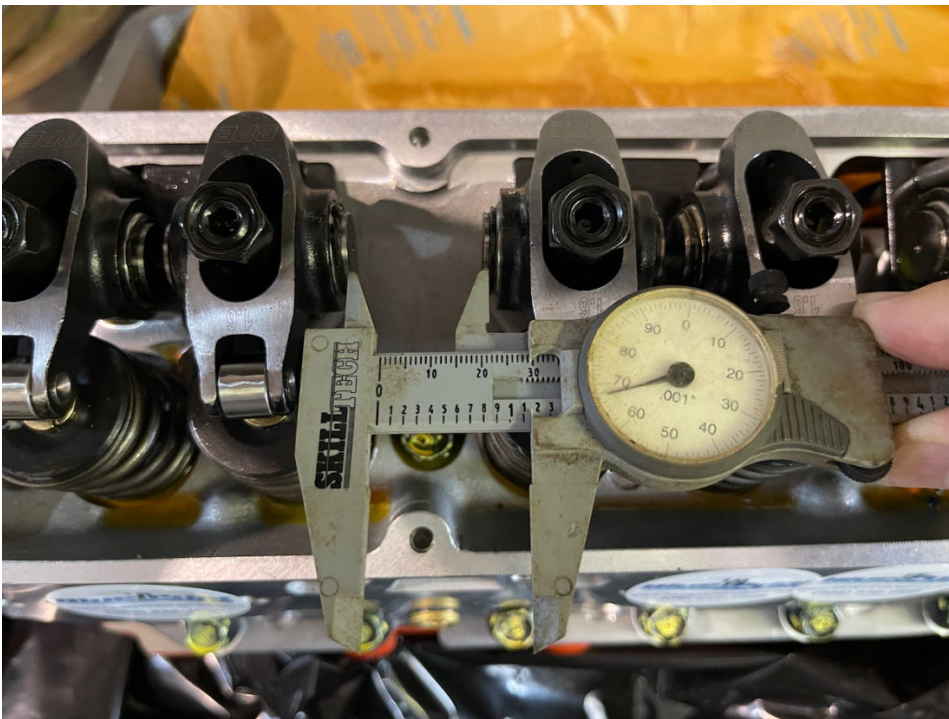
Customer Example: Scorpion Narrow Body Rocker Arms

One of our customers has used our valve covers on several of his small block engines recommends Scorpion Narrow Body Rocker Arms. He reported to us that our valve covers fit well and he has not had any clearance issues using these rockers. His most recent build includes 180 Dart heads, a thick Fel-Pro gasket, Scorpion Narrow Body rockers, and, of course, PML valve covers.

We at PML have not tested this configuration. This information is for reference only.

Customer Example: Blueprint Engine BP 3505CT with H8002K Cylinder Head (Included)

PML valve covers would not fit this Blueprint model engine without reducing the size of the baffle. There is 1.18" (30mm) between the pins. PML can machine the middle part of the baffle to 1.16" (29.5mm).



Customer Example: T&D Rocker Arms and PML Small Block Chevy Valve Covers

PML valve covers are NOT compatible with T&D Shaft Mounted Rocker Arms. The shaft mounts are very tall, almost to the top of the rocker arms. The PML cast-in internal baffles will contact these mounts.

The T&D Machine Products Competition Rocker Arms are shown below.

PML valve covers did NOT work with these.

