

THE ULTIMATE HOW-TO

BY PETER SMITSALBOP

The technology that is required for this type of a construction is so awesome that it might boggle the mind of lesser men, that's why I was called upon to undertake this history making project. Never before has a magazine shown the known world the inside line on how to build something of this magnitude.

Consequently, that's why you're seeing it here on these pages.

For what it's worth, and that's not much, here it is, the "Ultimate How-To!"

1—

Since the tolerances in a performance piece like this one are so critical, hand forming of the slugs is called for. This operation requires a steady hand, a sharp eye and three-day drunk before hand. Note the glass table so the builder can see both sides of what he's working on.

2—

When you want something done right, often times you have to do it yourself. In this particular case the builder couldn't get cams with a five-minute duration and 90-degree ramps, so the only other solution was to hit the old bench grinder. A truly precision piece of work.

3—

Since it's so hard to get the plywood people to make rings to these kind of specs, it's much easier to simply modify the ring lands in the pistons. Any file will work and you don't have to worry about stabbing your hand either!

4—

In case you don't know it, all of the fastest racers are using chicken bones for wrist pins. Yep! This is something right out of all those secret rooms and straight from under the proverbial wraps. A wobbly drill press is necessary for making the right kind of hole to fit the chicken bone of your choice.

5—

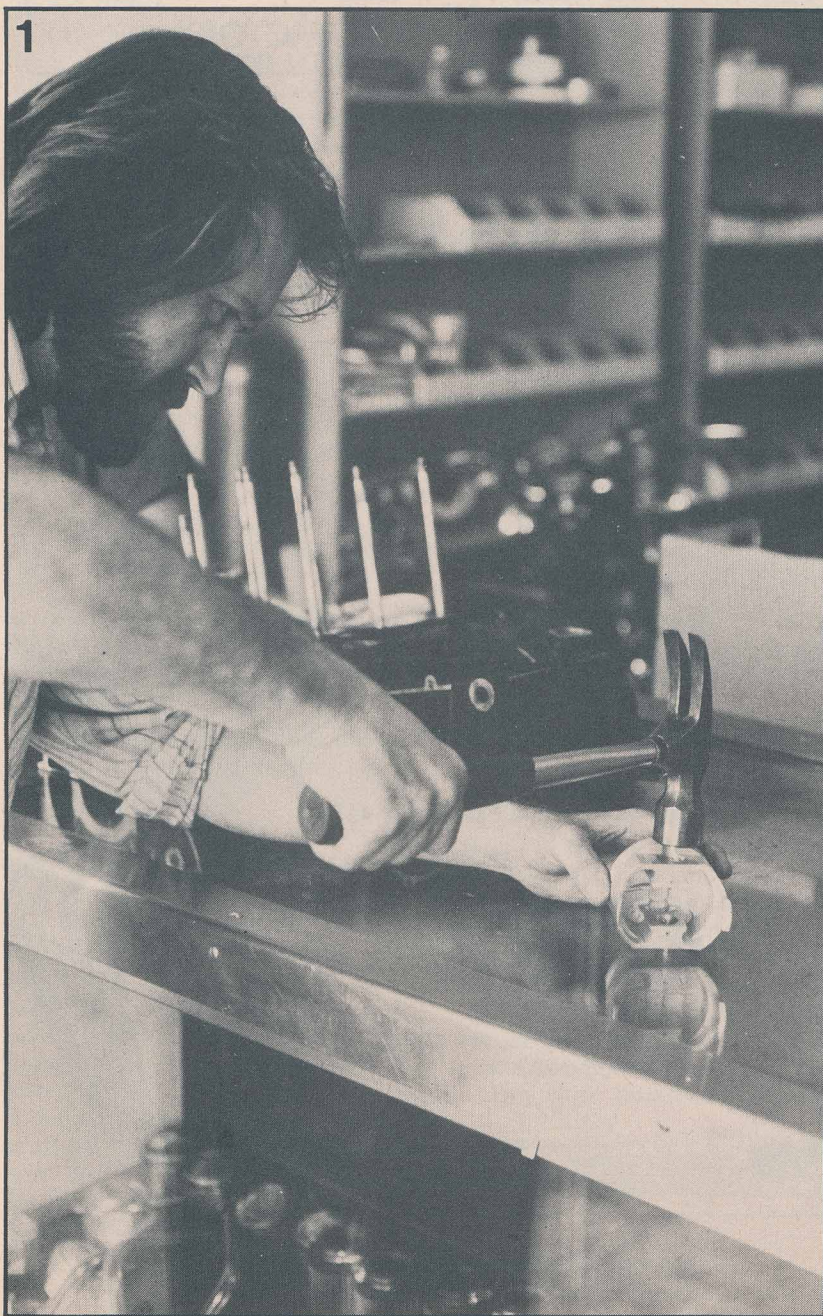
Masking flame fronts! Channeling gasses! Getting gas! That's what a quick pass around the dome of a piston with a disc sander will do. And if you're wondering what it'll do for your performance, don't ask! The difference is phenomenal!

6—

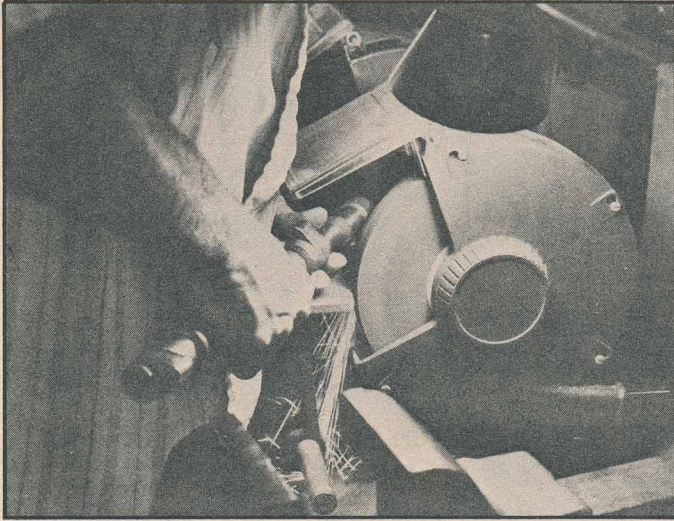
This is just a quick test to see if the piston knows how to tell time. It really isn't important, but it's a great way to dazzle your friends.

7—

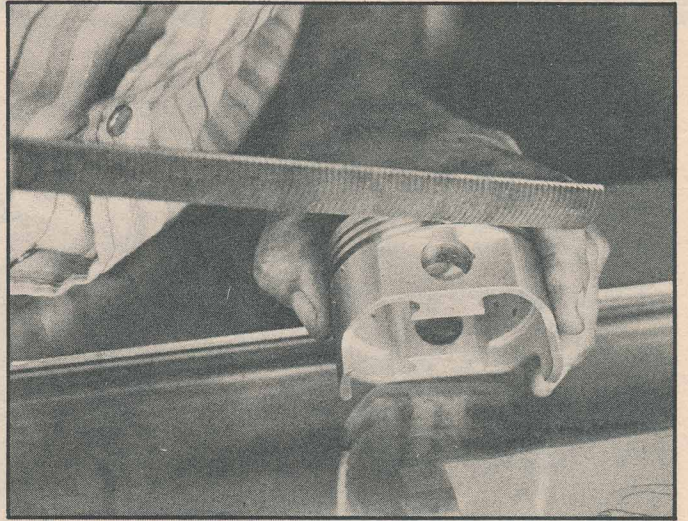
Of course if you've followed all of the steps shown here to the "T" you already know that this is truly the end result of all your work. It's kind of cute, is a little floppy around the edges, and will surely spend most of its time laying around on the floor and getting in the way.



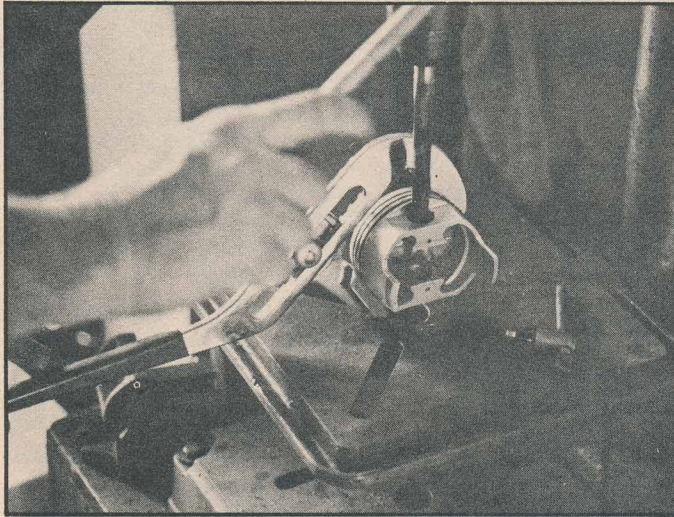
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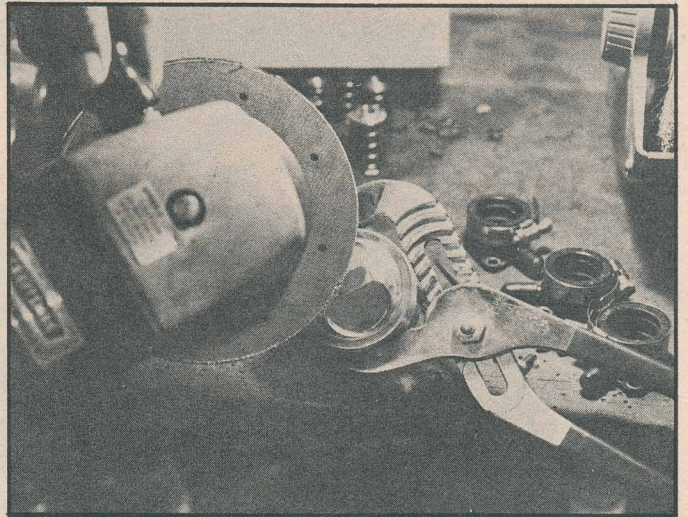
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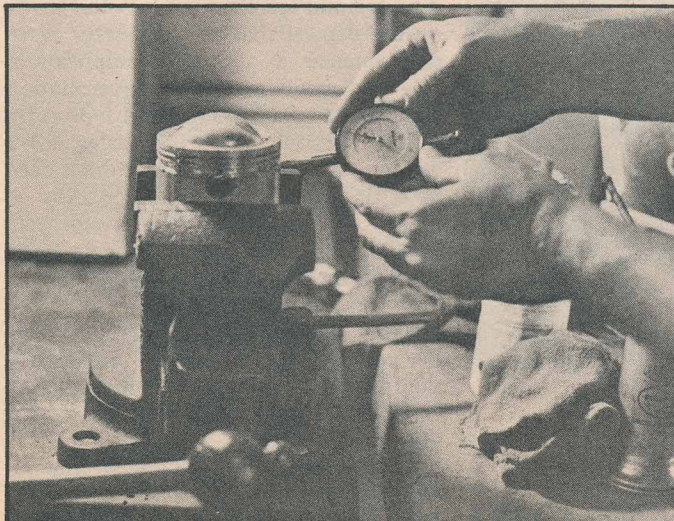
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