

Old Skool_R's How To: BENCH SYNCHRONIZING YOUR CARBURETORS

Tools needed:

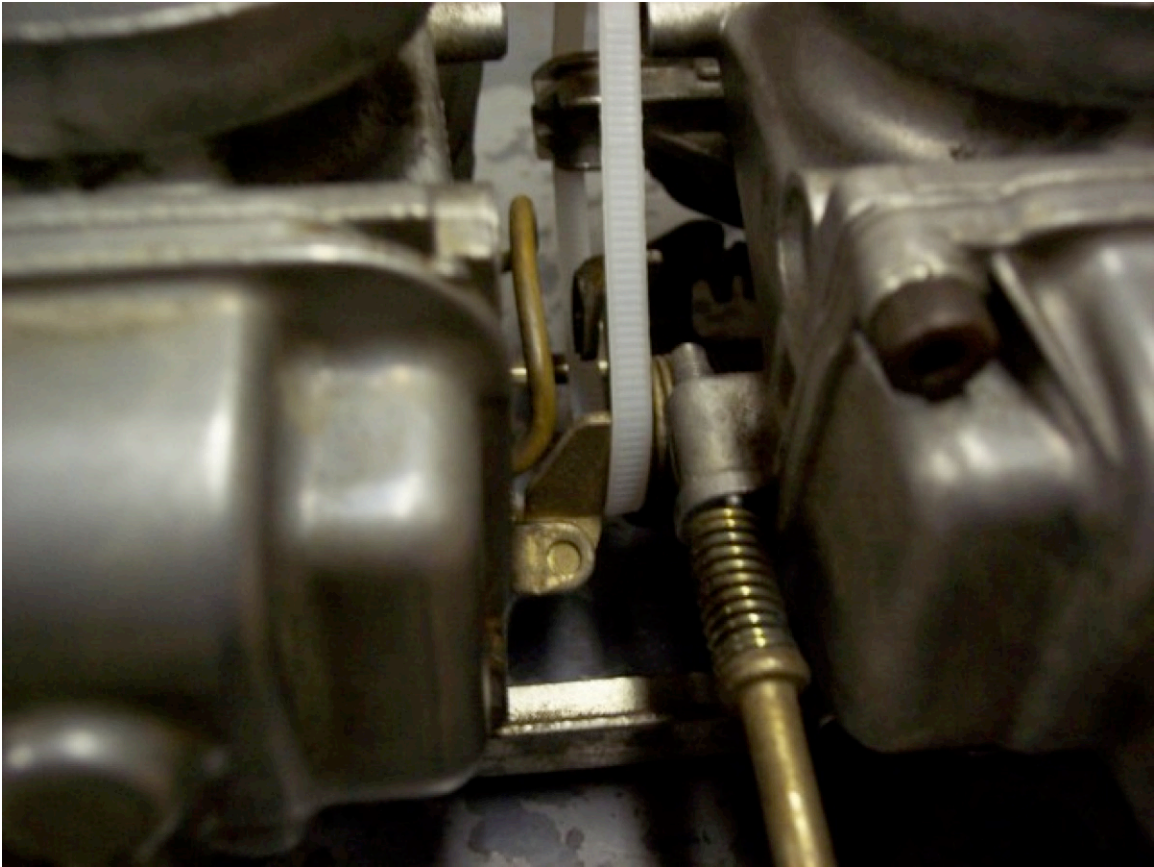
1 long zip tie
Phillips screwdriver
Vernier calipers

So after your carbs are all cleaned up, you should bench sync the carbs to get them close. It's recommended the carbs should be synched with a professional sync tool after you get the carbs on and bike running.

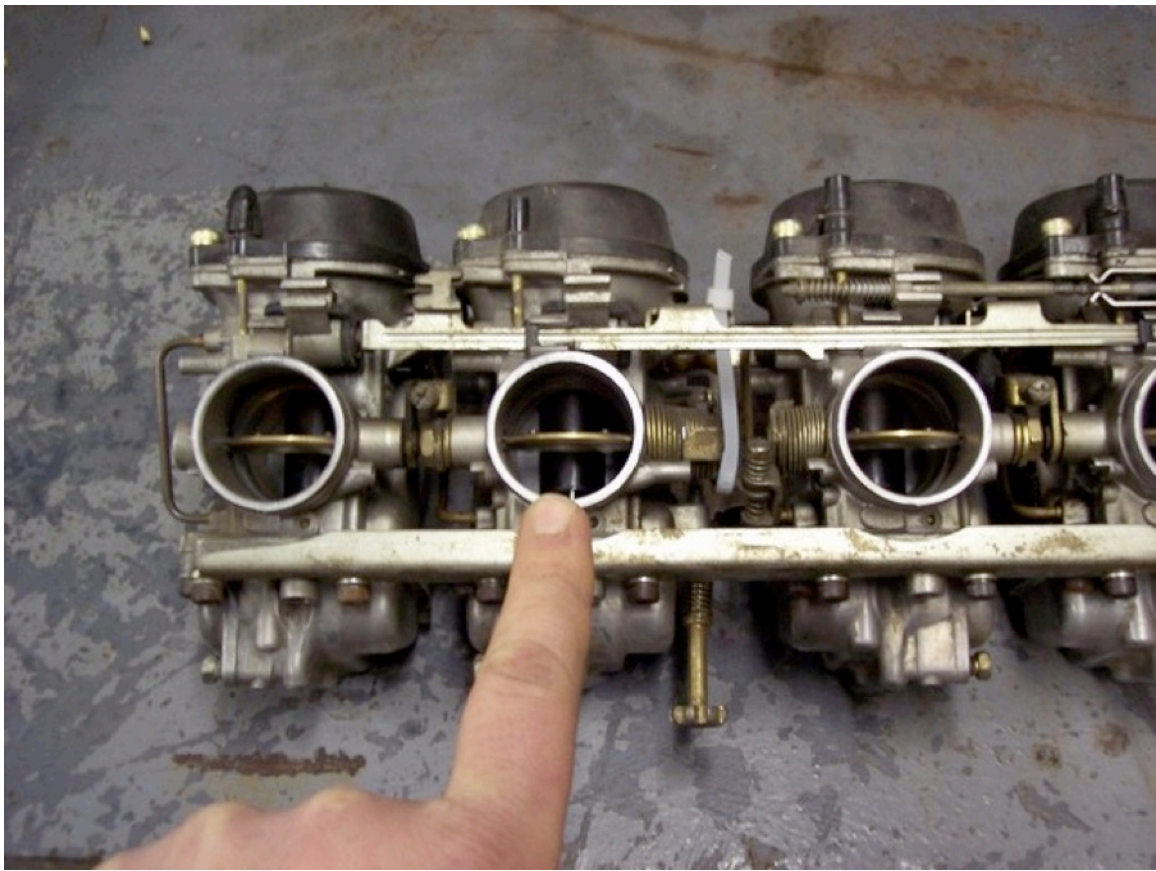
Note: I have bench synced my own carbs using the method below and then synced them with a mercury manometer and they were VERY VERY close. All cylinders were on except for one that needed a very small adjustment. So if you're cheap like me, and don't want to buy the sync tool, this method should work fine.

First thing to do is zip-tie the throttle lever open all the way. You can look in the picture to see where I ran the tie. I believe this is the best way. After you have the zip tie on, manually try to open the throttle more, if its open all the way it won't move any more, if you can still move it, you need to tighten the zip tie more.





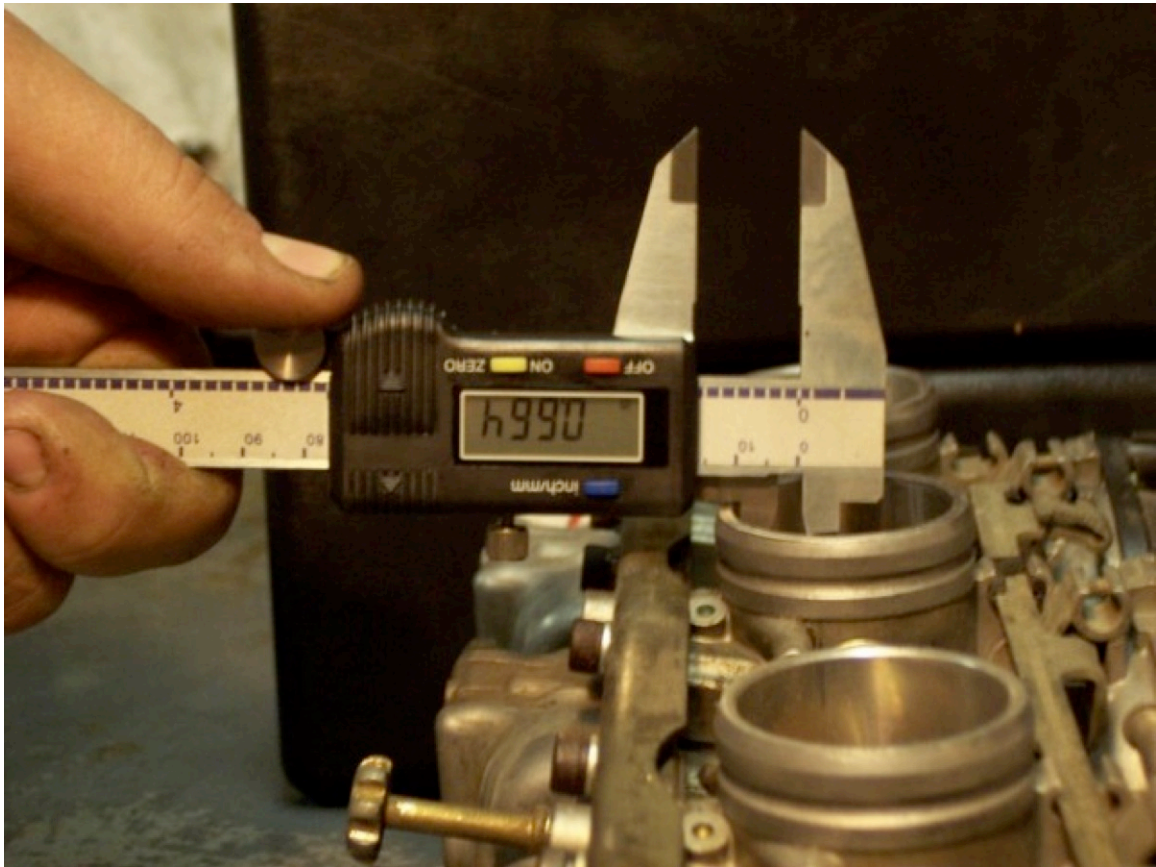
Starting with the carburetor that has the throttle stop (see pics) you will need to measure from the bottom of the throttle blade to the lowest part of the throttle bore. Right before you get the caliper all the way to the bottom of the bore, rock it back and forth a small amount. You will feel it drag, then get loose, then drag again. When it loosens up, you are close to the lowest part of the bore. Roll the micrometer down until it hits the low spot then record your measurement, then move to carb #2 and adjust it to your first measurement. Then 3. Then 4. Measure and adjust in order 1-4 (see pics)



Measure this carb first, it is the base setting for the rest of the carbs.



Red circles show adjusting screws.



Example: You can see in the last pic the base carb measurement was 0.664. So now when i measure carb #2, if the measurement is 0.667 I can turn the adjusting screw between carbs #1 and #2 until the measurement for carb #2 is 0.664, the same as carb #1. Do the same for carbs 3 and 4, then you're all done. Easy right?