

# VALVE CLEARANCE CHECKING TOOL

This tool is used to **CHECK** valve clearance only. The advantage of this tool is that it can check the clearance **exactly** in a very small amount of time. It is not uncommon for valve adjustments to not change between service intervals on young to moderate life engines. It is **much** quicker to check the valve gap with a dial indicator and find that it is in tolerance, rather than go through the procedure of regapping the valve.

This tool consists of a metric dial indicator and a mounting clamp. In Picture #1 we have a view of the dial indicator and clamp mounted on #1 intake valve.



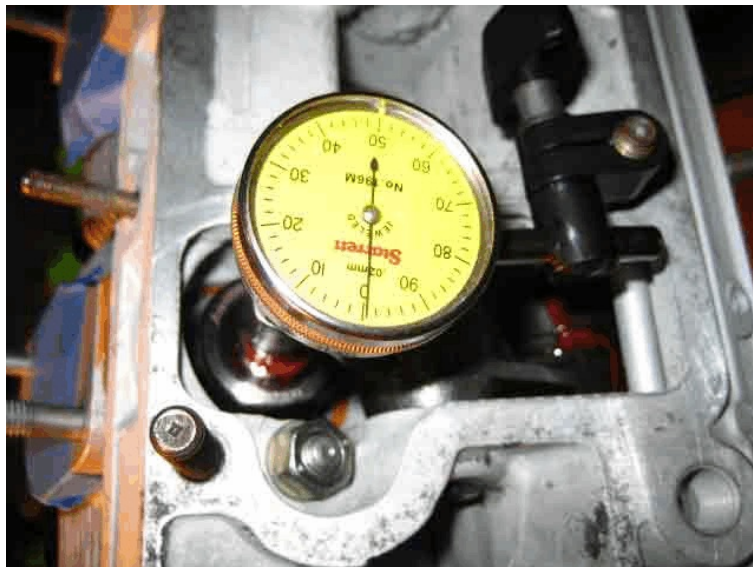
Picture #1

Picture #2 shows a side view of the tool mounted on #1 intake valve.



Picture #2

To check the gap, set the needle to mid travel (approximately 1mm) and lock the mounting tool by tightening the wing knob. Set the dial to zero by rotating the rim. See Picture #3



Picture #3

Wiggle the rocker arm and note the needle deflection. Proper movement or gap is .004" or .1 mm. On the dial it is 0.1 mm as shown in Picture #4. (Depending on where the rocker arm is initially, the needle could swing in the other direction. It is important that the needle swings 0.1 mm left or right of zero.)



Picture #4

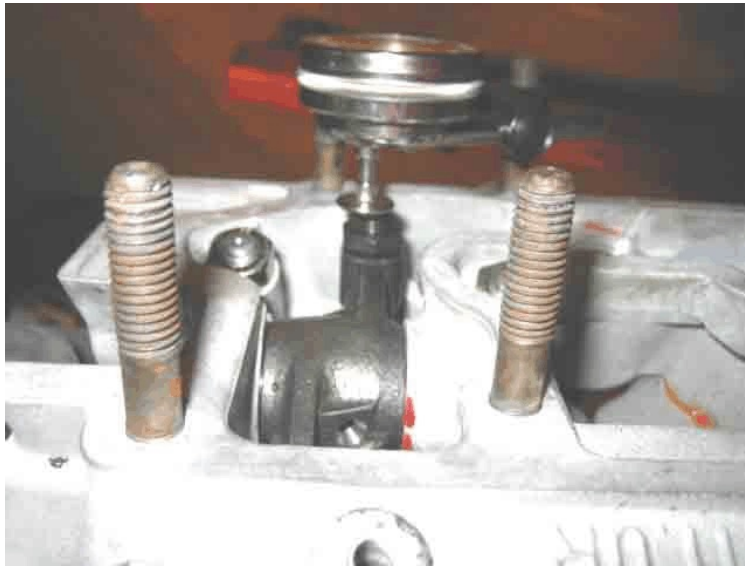
There are 5 small hash marks between 0 and 1. Each hash mark is .02 mm. (.0008"). For estimating values close to 0.1mm (.004") figure on a value of almost .001" per hash mark.

If the valve clearance needs to be adjusted unscrew the wing knob 1/4 turn and rotate the fixture out of the way. See Picture #5



Picture #5

Similarly, the exhaust valve can be adjusted in the same way. See Picture #6



Picture #6

If you are interested in purchasing this tool e-mail me at the address on this website.

Sincerely Yours  
Matt De Maria