

P.L.T. MOTORS LTD.



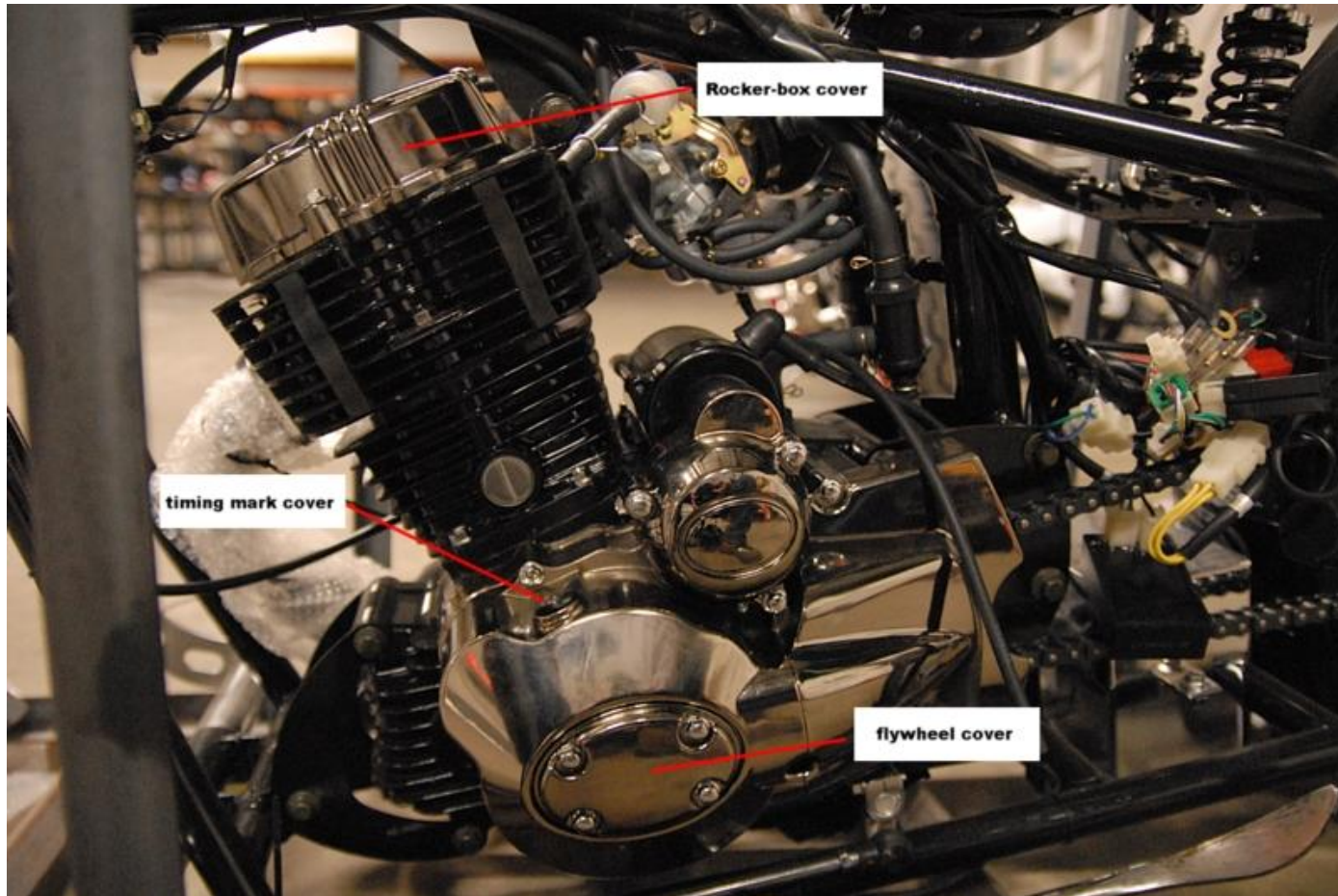
Valve Adjustment THA HEIST 250 bobber

The following adjustment requires the engine to be cold before work is to begin.

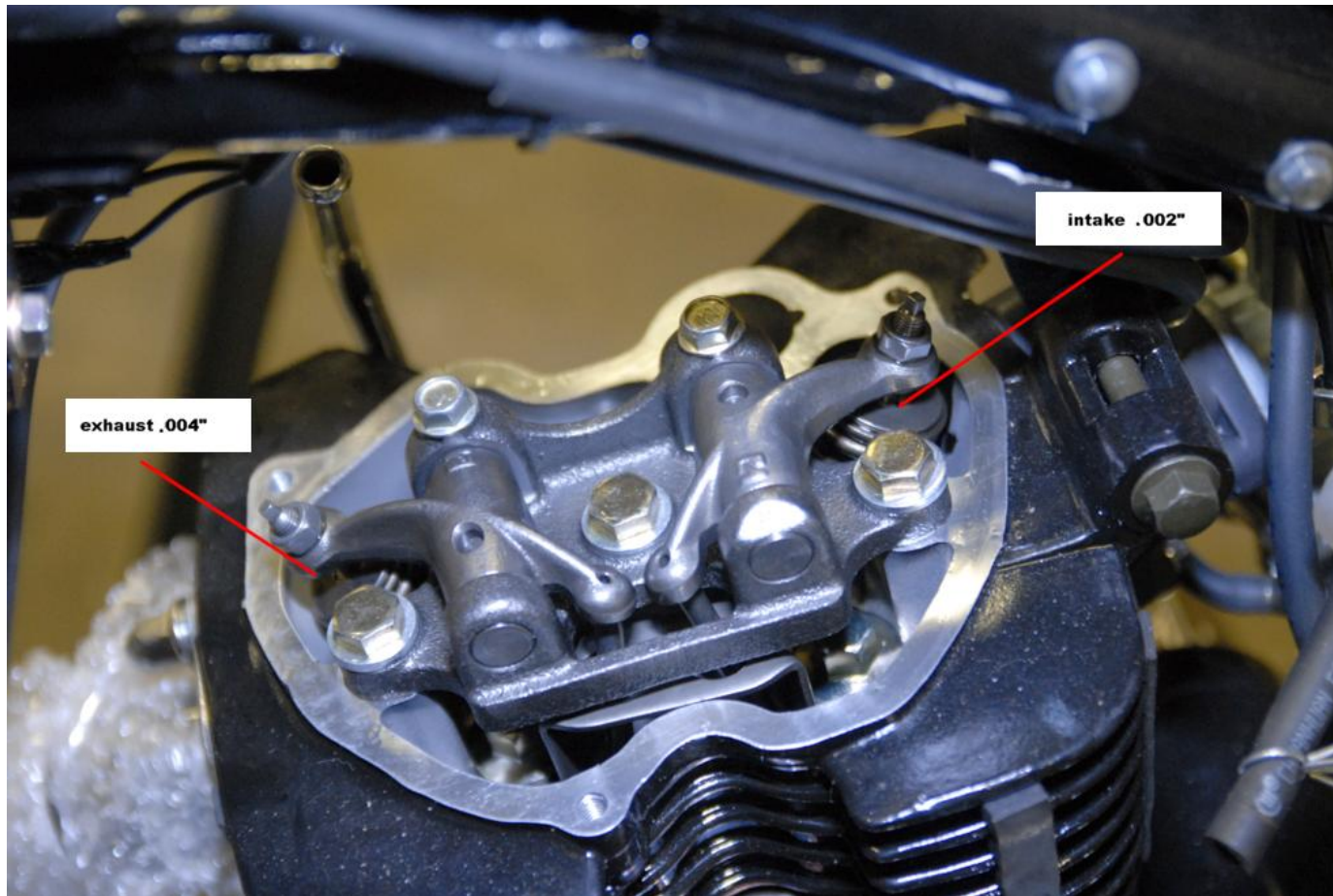
- Do not make adjustments with the engine warm or hot -

Set the bike on the side-stand and place the bike in neutral with the key off.

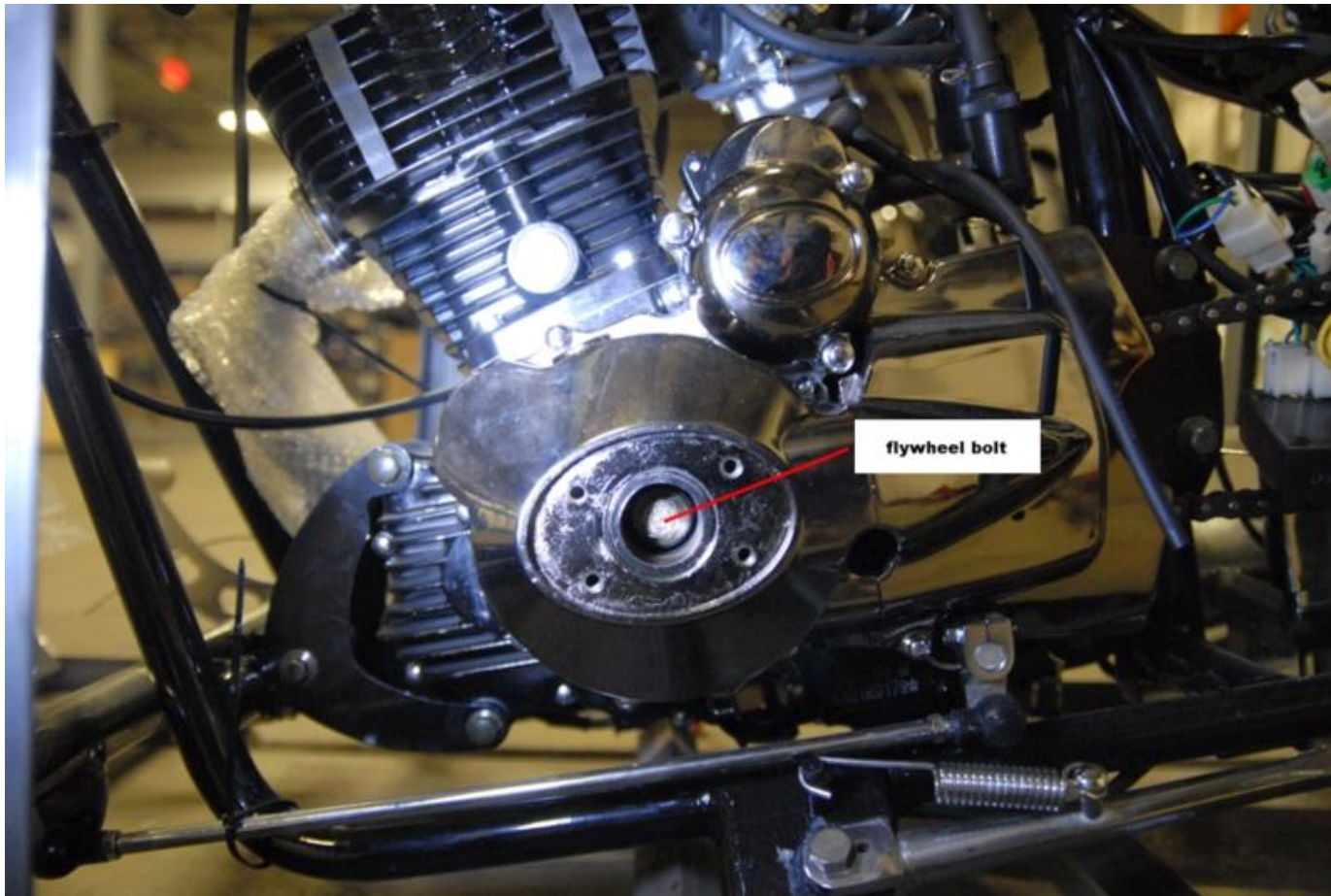
Remove the rocker-box cover, timing mark cover and flywheel covers.



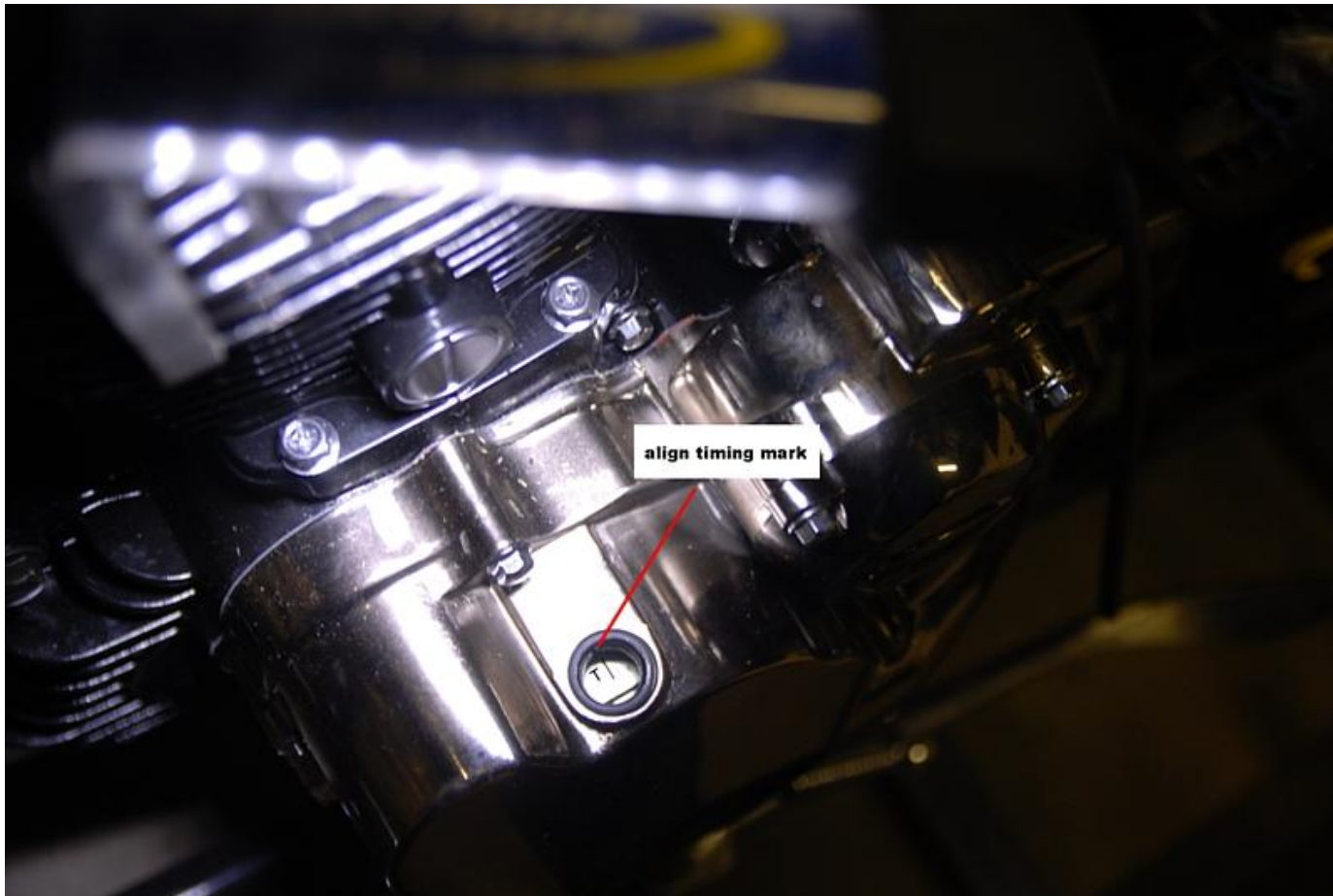
Clearance settings are as follows, intake .002" / exhaust .004"



Remove the spark plug. Using a 14mm socket, turn the flywheel bolt counter clockwise and bring the timing mark around to TDC. The T mark / line must line up with the indicator notch on the casing. Make sure you are on the compression stroke when setting the timing mark.

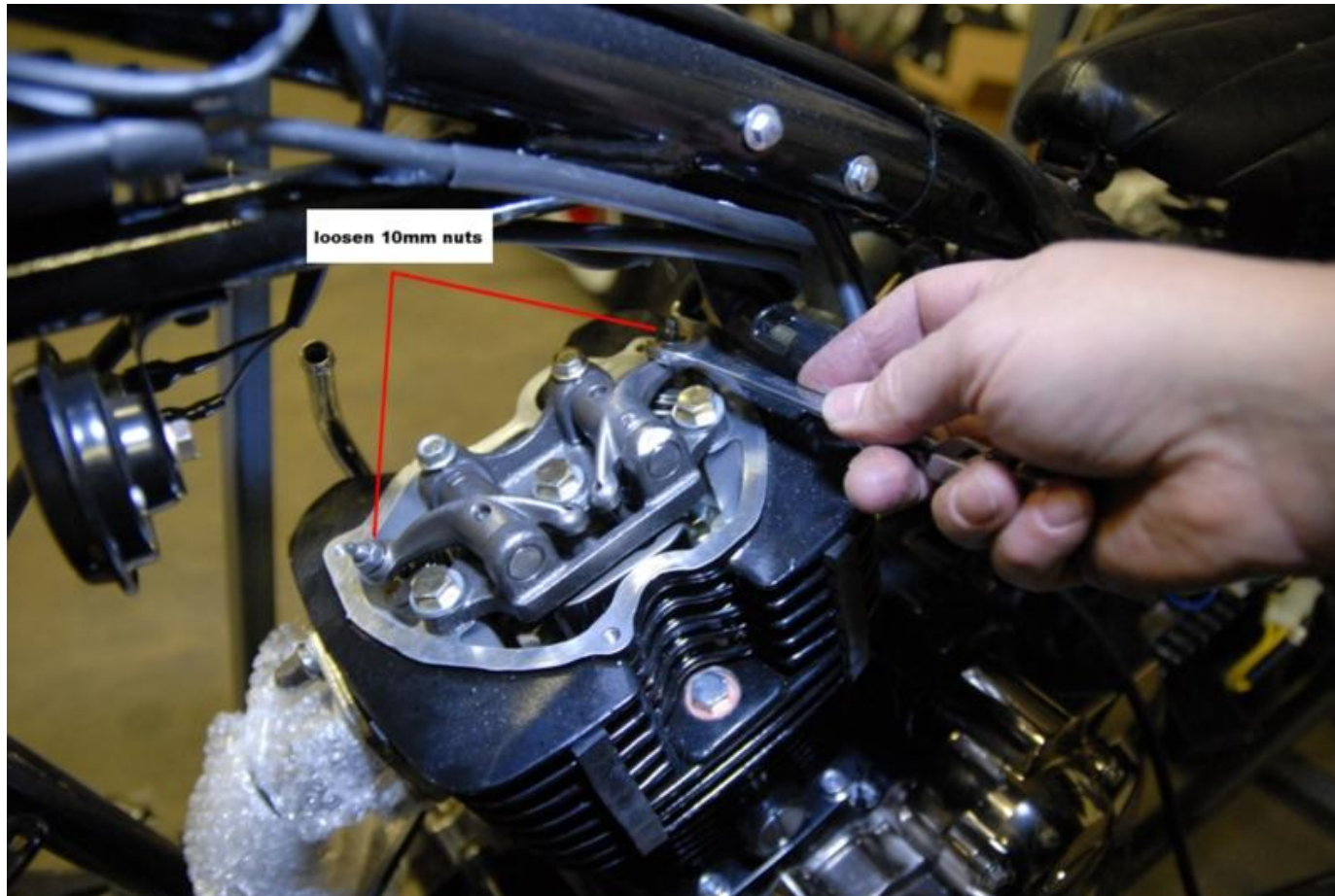


The piston will be at Top Dead Center when the line to the right of the (T) lines up with the notch in the casing. When looking down on the opening the notch is at the 12: O'clock position. The cam lobes will be at their highest position when the mark is correctly set.



align timing mark

Loosen the adjustment nuts on both the intake and the exhaust using a 10mm wrench.



Using a pair of needle nose pliers, back off the adjustment screws on both the intake and exhaust. With the proper feeler gauge slide the gauge between the top of the valve stem and the adjustment nut. Turn the adjustment nut until the gauge slides snugly between the stem and the bottom of the screw. You should feel the gauge drag when sliding it back and forth. While holding the top of the screw, tighten the nut making sure the screw does not move or the gap will change. Re-check both the intake and exhaust after tightening the 10mm locking nuts. It may take you a few tries before getting the gap set correctly.

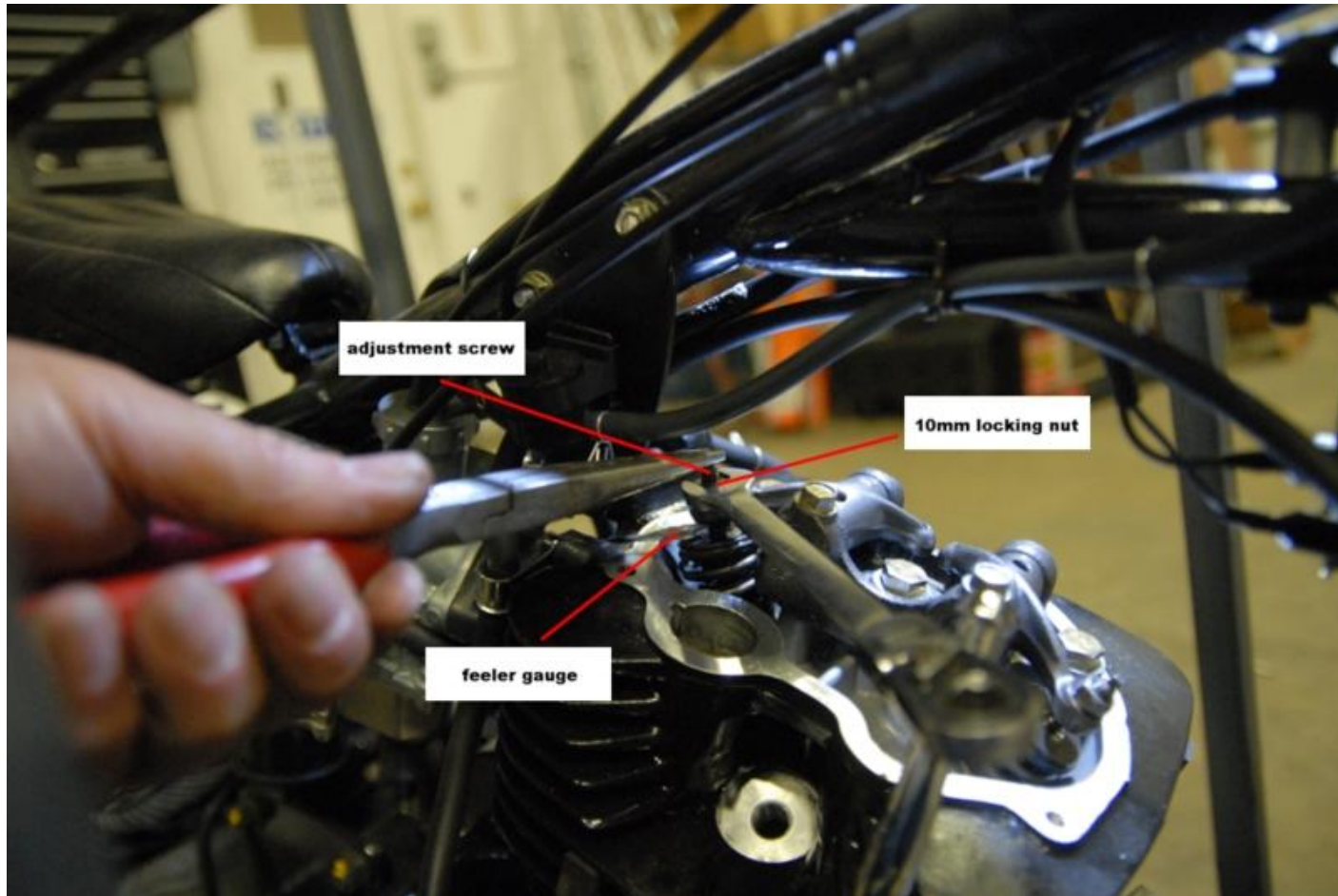
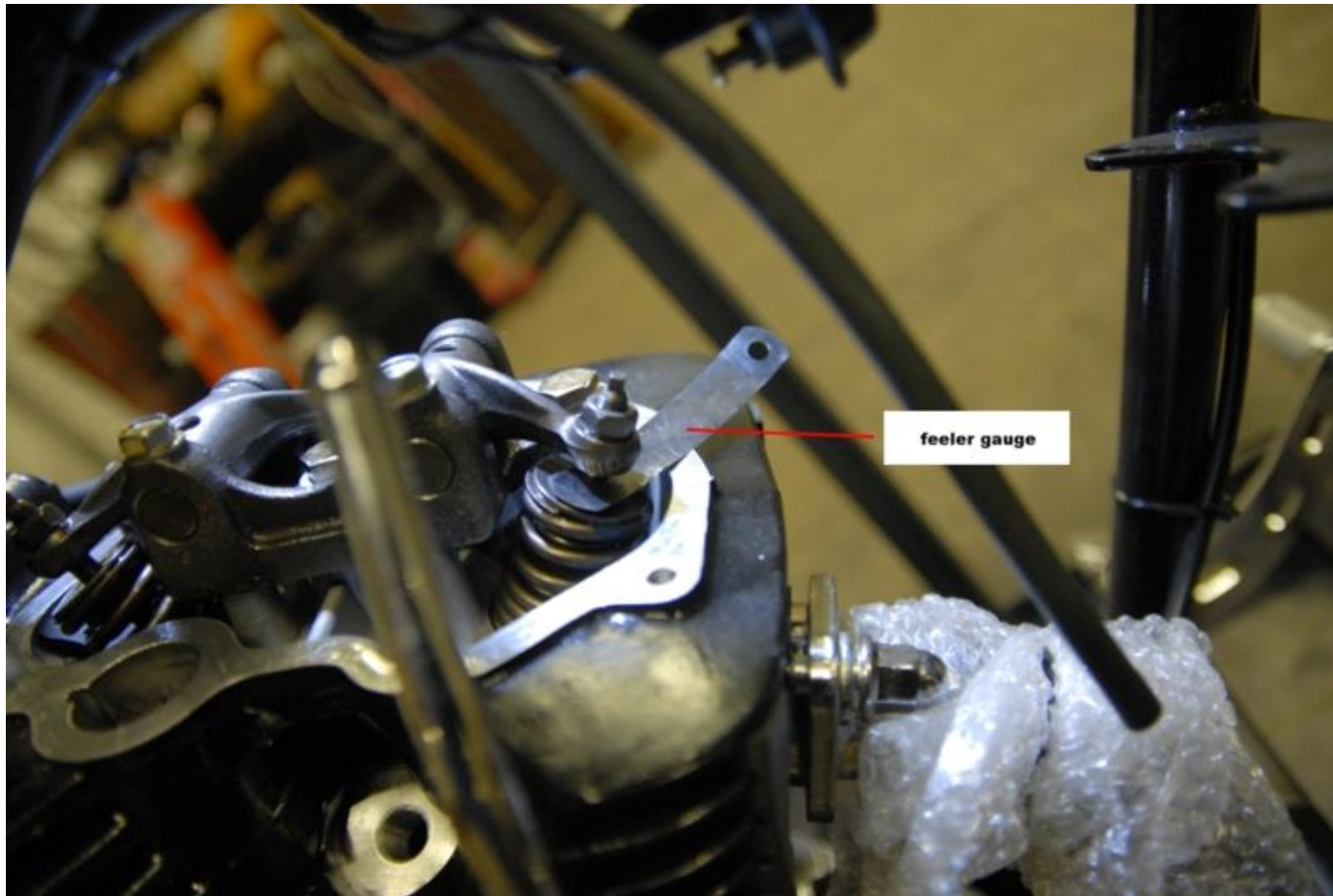
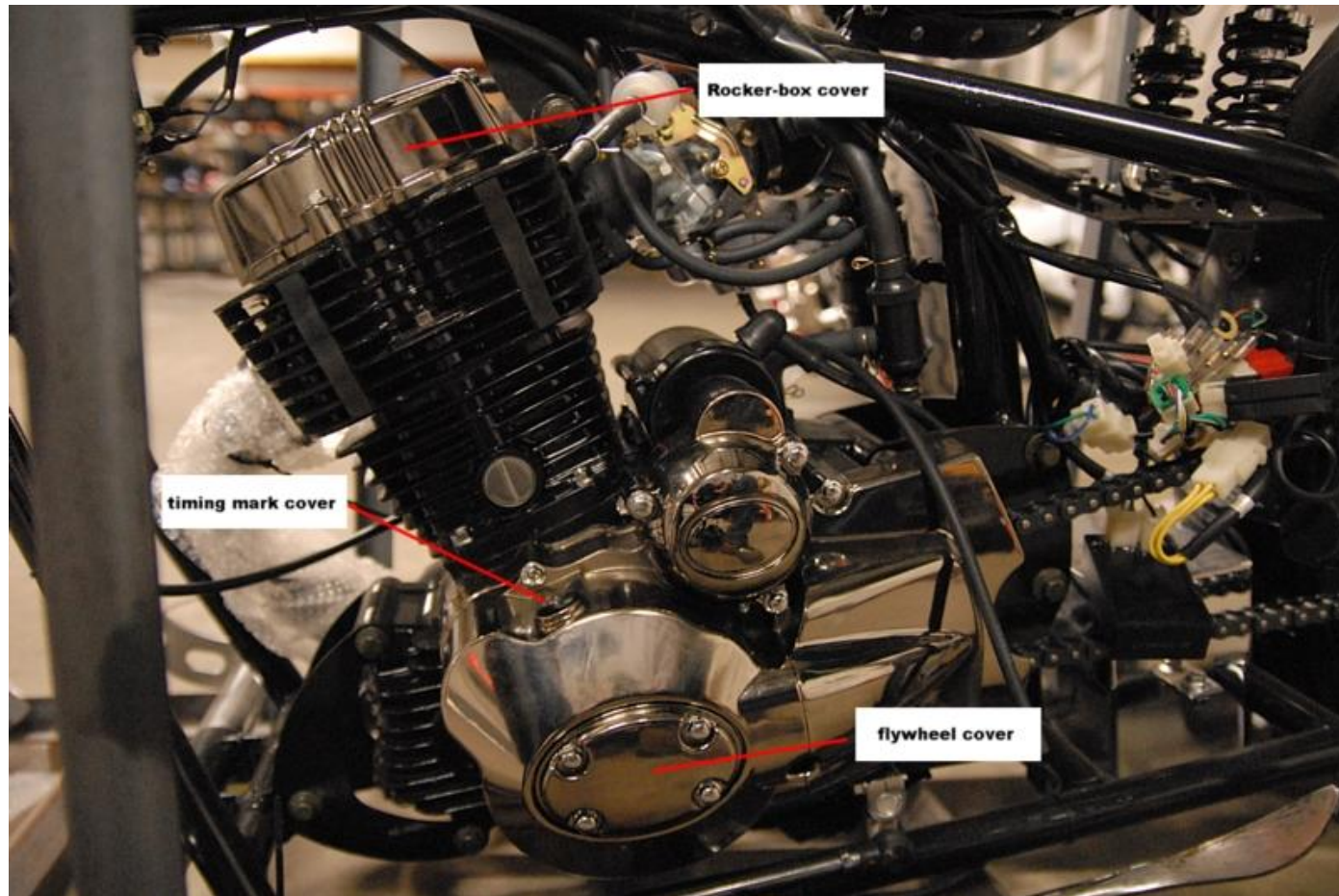


Image showing the feeler gauge inserted between the base of the adjustment screw and the top of the valve stem for clarification. Note it is easier to use the gauge if you remove it from its holder. Feeler gauge sets are available from most auto parts stores.



Replace the covers in the order you removed them and you're ready to ride.
Remember to always wear a helmet.
If you have any questions about this maintenance adjustment please contact
alan@pitmotorsltd.com



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