



# MOTORCYCLE DOCTOR LLC

Craig Silvers,  
Owner

PO Box 1676 / 108 N. Business Rt. 5 Camdenton, Mo 65020

Date:  
05-31-2018

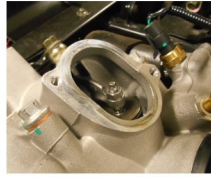
local: (573) 346-6867 / toll free: (888) 346-6867

[www.MOTORCYCLEDICTION.com](http://www.MOTORCYCLEDICTION.com)

[craig@motorcycledoctor.com](mailto:craig@motorcycledoctor.com)

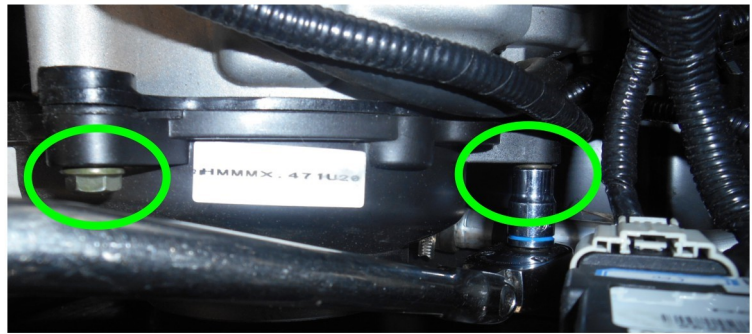
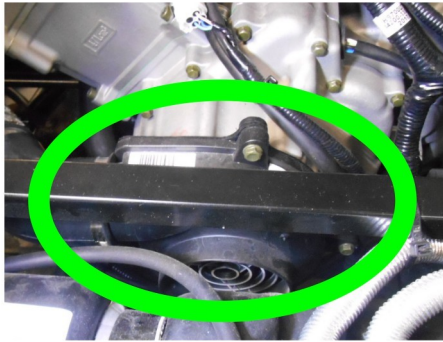
## Valve Adjustment 400/450/500/550

Remove 2 Allen Bolts on Intake Valve Cover  
No Gasket to Rip, just an O'Ring

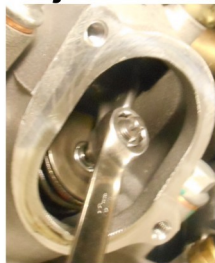


Remove Fan Cover and Bolts (4). This allows you to rotate the Crank by Exposing the Fan which you can now rotate. Turn the Fan Counter-Clock Wise until the Rocker Arm goes Down and Back up. Then Rotate the Fan 3/4 of a Turn More, this get both Valves and Rockers 'Off-Lobe'.

**\*\*Some People Try Tapping the Key to find the loose Spot, Not Recommended\*\***



Now Check for any Up/Down Play at Rocker Adjuster. Sometimes No Free Play is Felt. This Causes Low Compression and will Back Pop through the Intake and Air Box. Loosen 10mm Jam Nut and Adjust to .005" Clearance. Repeat Same for Exhaust, also .005"



Use 10mm  
Box-End



Square Head  
Adjust Tool  
(Good)



4mm  
(Better)



(Best)