

Setting the Valve Clearances on The Kawasaki 17 HP (FH500V)

- 1. The engine must be cold when setting the valve clearances.**
- 2. Remove the black plastic fan cover**
- 3. Remove the valve covers**
- 4. Rotate the flywheel so that the coil lines up with magnet as shown on the number one cylinder (stamped on the head).**
- 5. Find the top dead center by rotating the flywheel magnet slightly in both directions past the coil on the number one cylinder, while watching the valve rocker arms. If the valve rockers move, rotate the flywheel 360 degrees and start over.**
- 6. Align the magnet with coil as shown in picture.**
- 7. Loosen the setscrew on each rocker arm.**
- 8. Use a feeler gauge to set the clearances between .003 and .005 on each valve. Preferably .004 if possible. Slowly adjust the nut so that the feeler gauge slides between the rocker arm and the valve stem snugly. Do not force it.**
- 9. Tighten the set-screw.**
- 10. Double-check the clearances.**
- 11. Replace valve cover.**
- 12. Follow the same process when setting the clearances on head number two. (Note: Top dead center will require turning the flywheel for head number two) See picture.**

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