

Lloydz Idle Air Valve (IAV) Part# HOH-IAV

12/18/2011

Fits ALL

Victory models from 2008-2010

Installation Time Approx 20-30 min. I.A.C. = Idle Air Controller

Caution: Improperly adjusted and tuned motorcycles can cause a possible stalling condition which could lead to severe bodily injury and or death. The misuse and improper adjustment of this product could cause such conditions and it is recommended that you first test your motorcycle in a closed course and safe environment prior to riding in traffic or near other vehicles or persons.

Parts included in kit, 1-IAV, 1-Shrink Tube, 1 Instruction Sheet.

Items Needed, Light grease or oil (Vaseline, Light motor oil, WD-40 Ect.)

Tools needed for Installation

5mm Allen Wrench, Needle Nose Pliers, Hair Dryer or Heat Gun

- First remove the right side cheese wedge cover.
- Disconnect the harness plug on top of the IAC. Then remove a quantity of 4- 5mm Allen bolts that hold the IAC motor and bracket to the engine.
- Using a screwdriver push the rubber hoses off the IAC. They are grouped in 3 hoses (1- 7/16" intake air hose and 2- 5/16" idle air hoses).
- Separate the 3 hoses by cutting the connecting rubber strips in between each hose.
- Remove the 7/16" plastic hose asm. From the Airbox (steel Frame) or Aluminum airbox/Frame (Vision-XC). Noting the position the hose was in.
- Using pliers, remove the center rubber hose from the plastic intake tube line, being careful not to break the line. This rubber hose will not be used.
- Cut approx.. a 1/2" off the plastic tube where the rubber hose was and slide the shrink tube on this end.
- Screw the Adjustment knob of the IAV in until it just covers the hole and back it out 4 full turns
- With the IAV adjustment knob in the downward position, install the plastic hose as it came off the bike into the large side of the IAV nipple until the hose is fully seated in IAV nipple.
- Slide the heat shrink over the outside of the IAV nipple and heat it until the tubing is secure.
- Using a light grease or oil lube the O-Rings of the IAV and slide the IAV into the IAC's center steel nipple. **Note that this is a snug fit so install squarely and firmly as not to rip the O-Rings, once in place don't remove it.**
- Using the needle nose pliers carefully grab the plastic 2- 5/16" idle air tubes and place their hoses back onto their 2- 5/16" outer steel nipples of the IAC, making sure they are fully seated and covering both IAC nipples entirely.
- Reinstall the 4 bolts, harness plug, cover and Center Plastic hose Asm.

The basic adjustment of the IAV starts as follows

- While the engine is still **cold**, start it up and let it idle.
- Turn the screw in or out until 1000 RPM's is achieved.
- **DON'T** adjust idle less than 1000 RPM's or a stalling condition may occur.
- Test ride the bike in a safe environment away from other vehicle's to determine if further adjustment is needed
- Only turn the screw in as necessary to reduce or eliminate the popping yet maintain a constant cold 1000 rpm idle.
- If you have a fuel controller installed, you may need to adjust the idle/cruise range.
- If the next cold start doesn't idle properly a readjustment may be necessary as a result of the motor being too warm on the first attempt.
- **Easier Start up can be achieved by rotating the throttle an 1/8 turn. This will not affect or cause any harm**

The primary function of the I.A.V. is to reduce the over abundance of airflow to the cylinders while the throttle is closed. When you rotate the throttle, the I.A.C. opens creating a larger "intake leak" which results in leaner conditions that cause backfiring and poor throttle response. Just the installation of this unit alone may not cure all symptoms. Repairing ALL exhaust leaks and having a proper state of tune will yield better results. Certain Exhaust systems such as Victory Shotgun and Swept will cause more than normal backfiring that may not be able to be cured from this product.

NOTE ON IAC RECYCLING:

Whenever the IAC wire harness is disconnected or after ECM re-programming re-flash) cycle the key switch on and off so the IAC valve can "learn" its position.

For further Technical support e-mail us at lloyd@lloydz.com