



## VENTILATOR INSTRUCTIONS



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### 1) Stock Dip Stick

Oil level must be set a minimum of 4-5 dots down from full-on side stand fully screwed in. This must be done hot, ride bike 20-30 minutes then let idle upright while sitting on the bike for 2-3 minutes then check level. This is a predetermined level for the ventilator to have enough air space in the case to work. If it's over full, suck some out with turkey baster or drain from plug. If you do not do this step, your bike will be covered in oil.

2) Ventilator dipstick same procedure for checking as above, just please be same or just below the single mark on new dip stick.

3) The hose is American made gates true rubber hose for fuel and oil and has a 50 psi rating, and a 700-degree burn through rating. It will not burn to touch your motor unless your bike is on fire.

4) There is a reason we have you place filter on top of the throttle body, it is not in the direct wind to allow it to create a vacuum and pull oil up the hose and also protects it from rain.

5) The filter may be washed with carb or brake cleaner and air or compressed air-dried then reinstalled no reason to oil or buy a new one

6) Your oil tank and crankcase are connected via a channel where the case meets the trans case. Relieving the oil tank relieves the pressure in the bottom of the motor, as the pistons come down air is expelled out the vent and then when pistons go on upstroke air is drawn in, it is a pulsing system so no need for a one-way valve or a check valve. and on the intake stroke, it draws in cool air to help coil oil.

7) Any 3/8" internal passage hose may be used, decorate it, stainless, cloth, color wraps. Be creative, just be aware it is not our hose and it may have a lower melting point, watch the contact points.

8) Please watch all of the videos on our website at [www.a1cycles.net](http://www.a1cycles.net). It has full install and oil level videos.

9) Once the oil level is correct, screw cap in, put a little oil on threads, install a filter on the end of the hose, feed hose from behind the air cleaner by the throttle body under tank over the rear rocker box and then down to the back of the fill cap connect and enjoy, on 2018 cvo and some oil fan models there is room to sneak it between fan and frame, I ziptie it to the coil wire boot to keep it from rubbing on anything.