

2014 C50T Pair Valve Removal

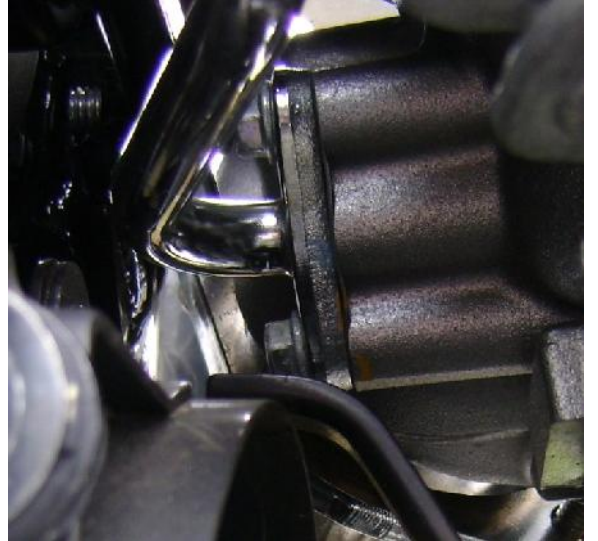
By Daniel DuMey

Many thanks to my cyber friend Dan for taking the time to photo his work and put it all together for others to follow!!

Left Side With Stock Pair Valve



Front Tube



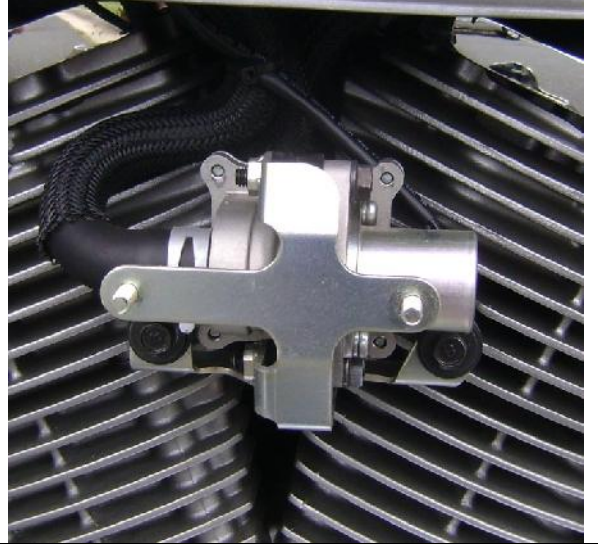
Rear Tube



Pair Valve "Pill Box" Housing



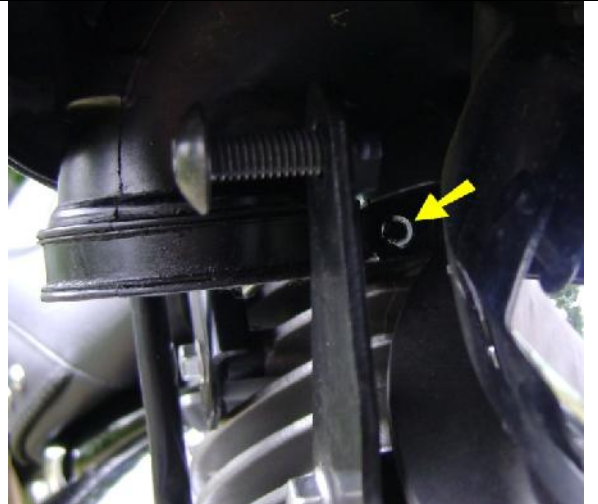
- 1.) Remove (2) 10mm Acorn Nuts in order to remove cover
- 2.) Remove the two small Phillips screws that hold the solenoid to the pair valve assembly
- 3.) Remove the two black bolts that hold the pair valve assembly to the engine.



On the right side of the bike:

Remove (2) 4 mm Socket Head Button Bolts located at the top of the Air Box

Locate (1) 3mm Hex head behind Air box and loosen, Do Not Remove. It will only require a couple of turns to release clamp enough to remove Air Box



Pull Air Box From the bottom to release the capture post from the rubber grommet seat.

Then work Air Box down to slide out of the Air line that was loosened with the 3mm Hex Head.



Remove the hose and electrical connections from the box, set box aside as the extra light will come in handy until the end.



While you have the Air Box off, turn over and install the vinyl plug that was supplied. You will reuse the factory hose clamp; it will need to be made a bit tighter as the plug is thinner than the hose. Just squeeze with a set of pliers.



The front tube is in a very tight location. Here are a few things that will help with the install.

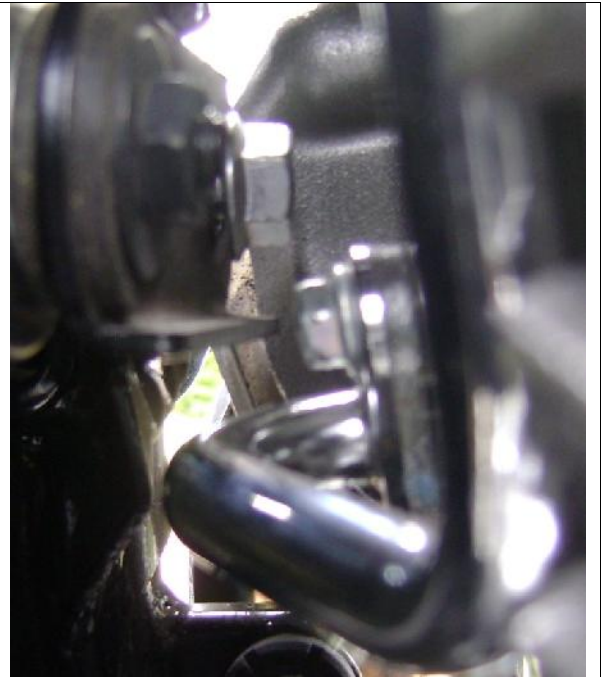
Locate and remove (2) 10mm bolts on the left side of the cooling fan.



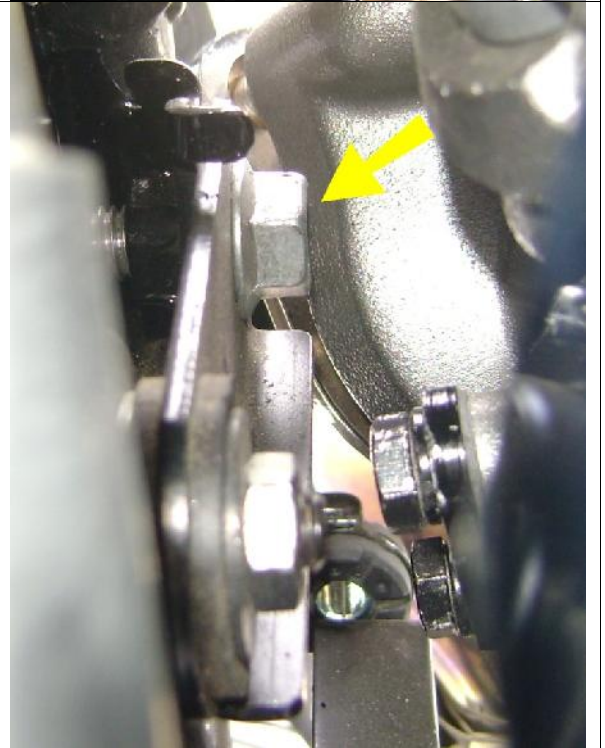
Locate and remove the (1) 10mm bolt on the upper right side of the cooling fan. It is hiding behind the front exhaust pipe.



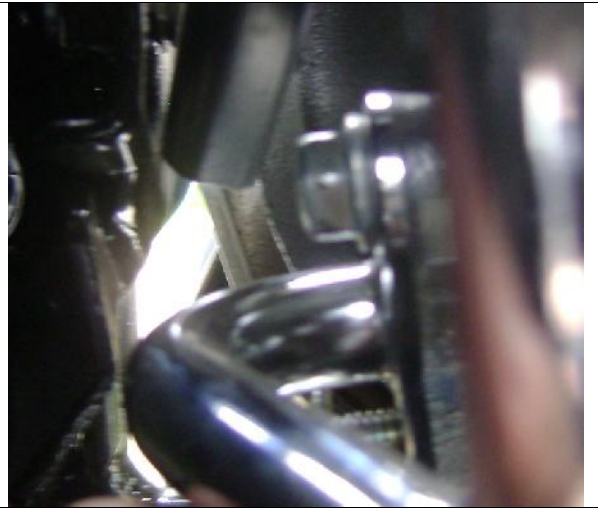
You will find that the upper 8mm stock bolt will be blocked by the horn bracket.



Locate the 12mm bolt that holds the bracket in place and Loosen it, **Do Not Remove**, as it will be a bugger to get back in place. You can see the threads on this bolt if you look close, keep an eye on them and only back out until they are starting to go inside the captured nut.



This will allow you to move the horn bracket up out of the way to remove the bolt.



Front Tube Removed



Rear is very easy to get to. Only thing is you will have to remove the locked toolbox cover in order to wiggle the tube out of the bike.



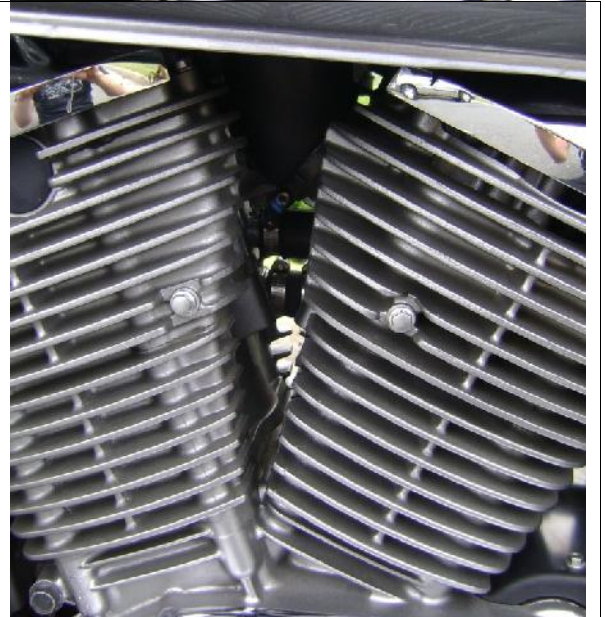
Front Block off Plate Installed



Rear Block off Plate Installed



I used the black hardware supplied with the kit to install the block off plates. That left the OEM chrome ones for me to dress up the Pair Valve mount location. (additional black ones are supplied with the kit)



After reinstalling the Air Box Here it is.



Only tools needed for this, Including installing the resistor to replace the solenoid was:

8/10/12 mm wrenches

3 and 4 mm Allen Keys

Wire Cutters (If you opt for the solenoid removal kit)

Soldering Iron (If you opt for the solenoid removal kit)

Moccasin Mike's Kit



Parts put in the shed just in case



Submitted May 27, 2015