

## Radiator Coolant Flush

Should be done every couple years. Fairly easy job, need a Phillips head screwdriver, 10mm deep socket, couple gallons of water, a gallon of silicate free anti-freeze, needle nose pliers, and a little patience.



(left) Remove the radiator cap from front right side of bike

(right) This has a chrome cover that needs to be removed. The cap is leaking so I need to bend the tabs a little to tighten the seal.



(left) Chrome cap is just held on by double sided tape so should pull off or pry a little up on it thru the opening by the Phillips head screw to get it started.

(right) Remove the Phillips head screw that locks the cap on from turning.



(left) I had to squeeze these tabs on both sides to make it seal better. Over time being taken, on and off the got to bent out some and just need a little bend back to get them sealing again. I like to round the outer edges slightly to make them easier to remove.

(right) Locate the drain bolt on the bottom left next to the oil filter on the thermostat housing.



(left) Have something for the old anti freeze to drain in when you remove the bolt. About 3/4 of a gallon will be comin to ya. You have to leave the top radiator cap off or you'll be waiting hours for it to drain.

(right) I used a clear container because I was asked to for this just to see what came out.



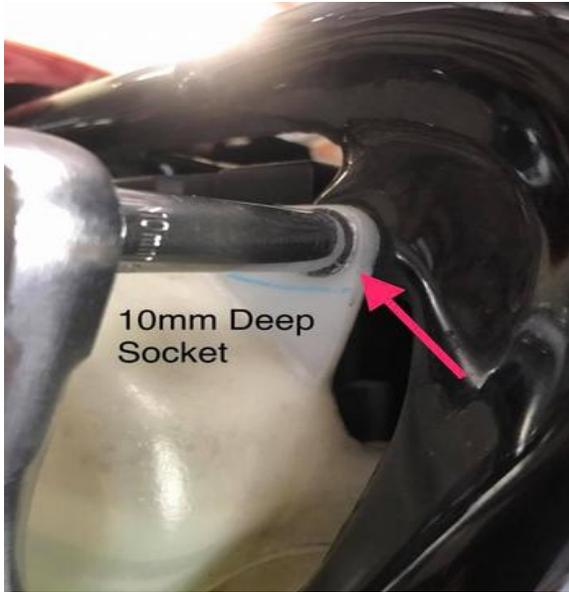
(left) She's a draining

(right) Once it quits put the drain bolt back in.



(left) Next we have to remove the reservoir bottle behind the Left side cover under the seat to drain and clean it.

(right) Need to remove this bolt with a 10mm deep socket.



Next push the vent line off the top of the tank. Use caution not to break the nipple off the tank, it is plastic.



(left) It goes down to the bottom of the bike.



(right) Push the bottom line off.



(left) I use a screwdriver and pry it off, it will usually come right off without even messing with the wire clamp. Be careful not to break off the plastic nipple on the tank trying to force it though.

(right) Drain the tank.



(left) Need to put a little soapy water and a bottle brush to clean the inside then rinse and blow it out good with air or let dry.

(right) With the radiator cap removed put a rag over the opening. Gonna push some air from the tank line and whatever blows out will make a mess of the bike if you don't cover the hole.



(left) Take a blower nozzle and stick it in the hose and give it a little shot of air to make sure it's clear.

(right) Do the same thing to the top line that drains under the bike to force any dirt or doobers out



(left) One of these lines is the drain you are clearing

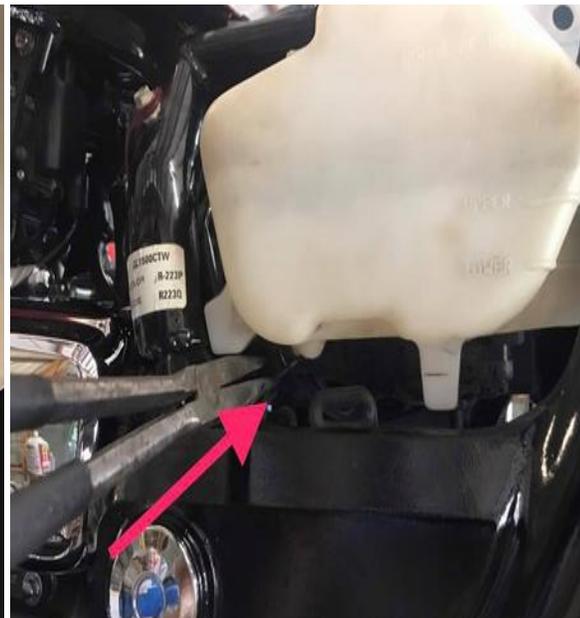
(right) You can leave the tank off and make sure the drain plug is installed and fill the radiator with clean water.

VIDEO: Start the bike with the cap off and let it run a couple minutes so it gets up to temperature and the thermostat opens letting the water circulate.



(left) Then you may want to let it cool a minute and drain the water out. You can do this again if you want to make sure all the old stuff is run out.

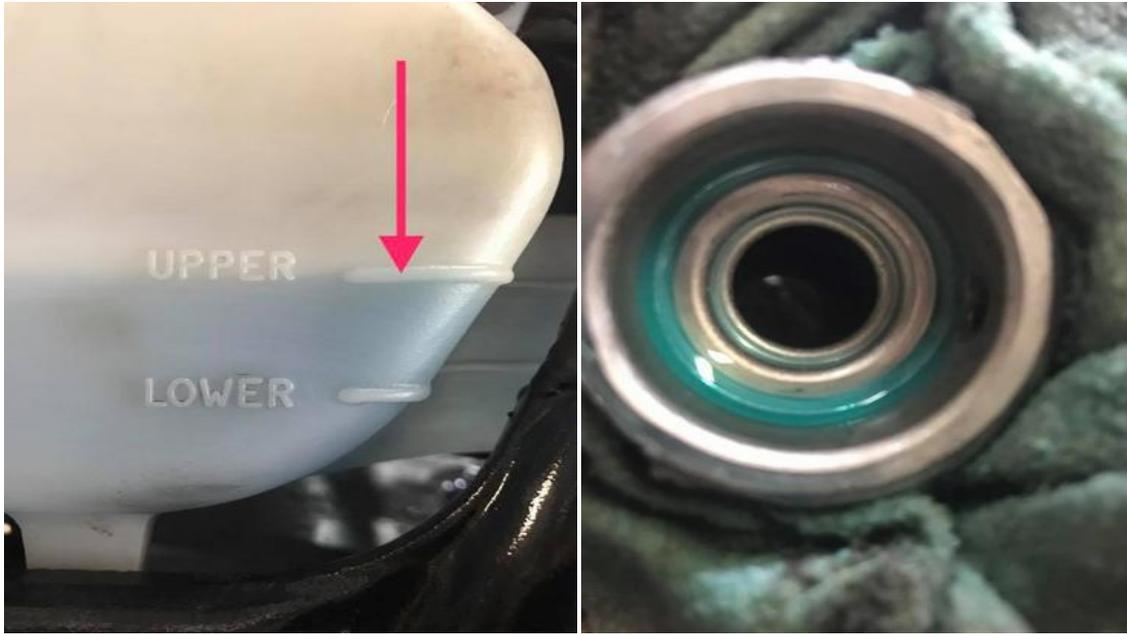
(right) Before installing the drain plug for the final time make sure the crush washer isn't damaged if it is or oddly shaped replace it. Parts stores carry many different sizes just match one up.



(left) Slide the reservoir tank back into place. The tab needs to slide in behind the frame

(right) Connect the bottom line. I use needle nose pliers to shove it on.





(left) Fill to here not to the top of the tank

(right) Fill the radiator and let run a couple minutes to open the thermostat. Once the thermostat opens burp the throttle a few times to try and get all the trapped air out of the system. (video) Shut off and let cool and then top off.



(left) Replace the cap

(right) Replace the side cover and you ready to ride.

