

How to install a larger Slow Jet

1) Start bike, turn petcock to OFF, let it idle till gas runs out:



2) Here's all the tools you'll need:



Sockets are 12mm (tank bolt) and 8mm (air cleaner bolts and if you have a pillion seat). Allen wrenches for seat bolts and speedometer bolts. Flathead and Phillips screwdrivers, small flathead for unclipping speedo electrical connection and removing slow jet. Computer for Aero Manual and Mods section

3) Remove seat:



4) Remove tank:



5) Remove air cleaner (I took off entire unit by removing two 8mm bolts underneath, loosening clamp and unclipping hose and idle knob):



6) Using a flathead screwdriver turn the carb drain screw counterclockwise (Be sure to have a receptacle under the spout as quite a bit of gas comes out!):



7) Loosen clamp behind carb to release it from engine (You will need to work it loose from the insulator boot)

8) Undo 4 screws to remove carb bottom to access jets:



9) Unscrew with flathead stock slow jet (located just behind the main jet, which is the brass thing hanging down between the white float in the pic above - the slow jet is recessed and not hanging out like the main jet)

10) Screw in the larger slow jet - I would recommend the 52:



I did this from the underside with the carb angled out for easier access to jets (I didn't turn the carb upside down)

11) In reverse order re-install everything you've removed

12) Finally, fire her up and be pleasantly surprised at the early throttle response. A simple but very effective mod (recommended by both Rok and 66). The 52 slow jet has removed the flat spot in initial acceleration and is a perfect combination for the 136 main jet - Raven is rocking now