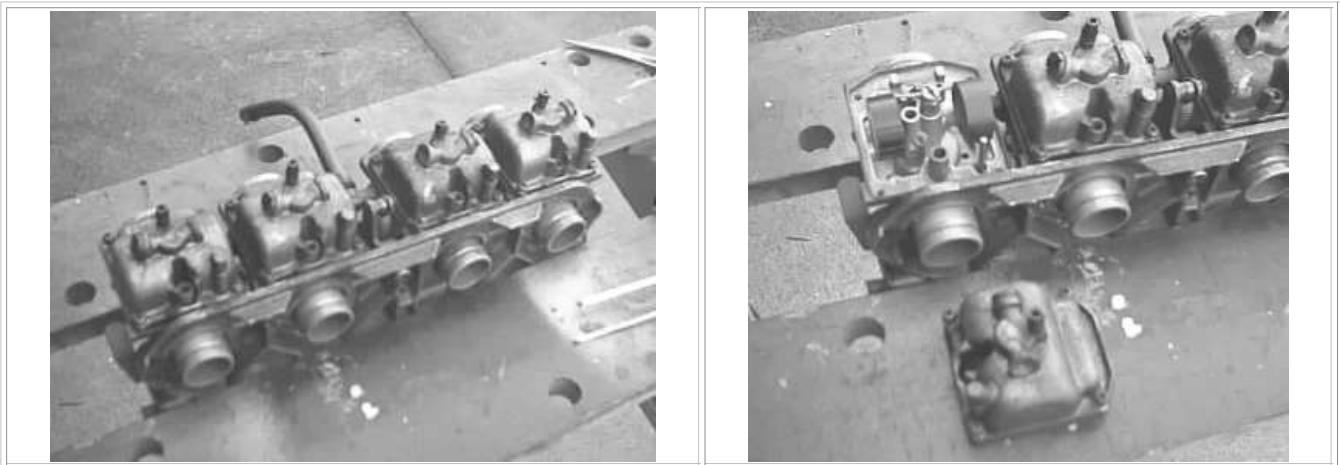


# KZ650 Jets - Clean or Change

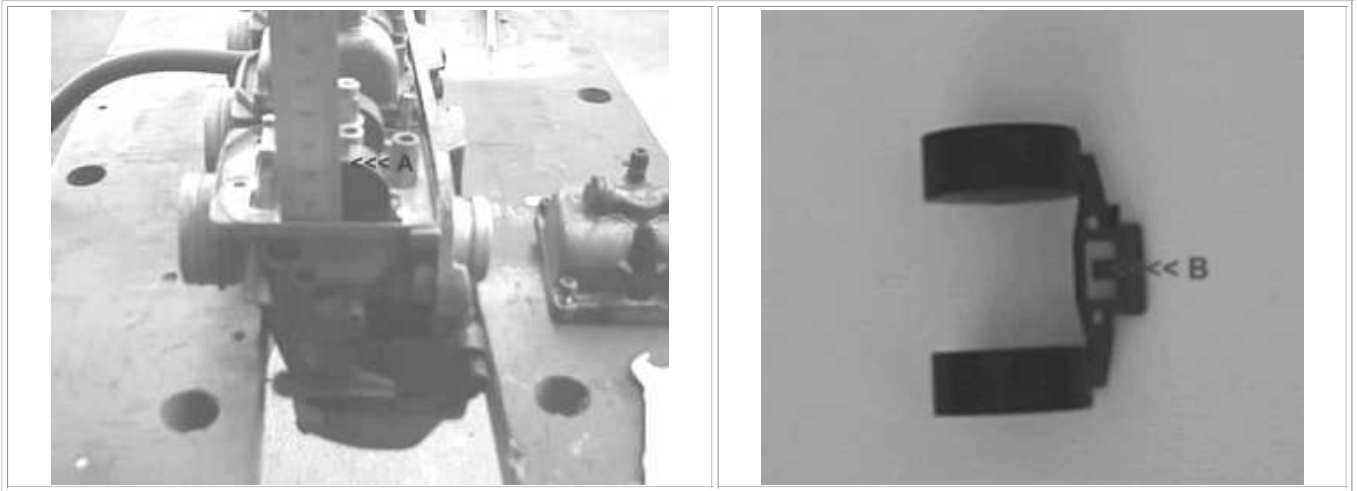
The procedure for removing and changing the jets in a Mikuni Round Slide carburetor is straight forward and not particularly difficult. It requires a minimum of tools (8mm spanner, 10mm socket spanner, 8mm flat screw driver, 3mm flat screwdriver, small Phillips screwdriver.)

JUST TAKE YOUR TIME AND DON'T RUSH  
YOUR SAFETY DEPENDS ON YOU DOING THIS WORK CORRECTLY  
IF IN DOUBT, STOP AND ASK SOMEONE

- 1) Remove the carburetors from the bike, taking note of which hoses go where, especially the fuel supply hose from the fuel tank and the any vacuum hoses/s from the carburetors up to the fuel tank. Label these hoses for future reference.
- 2) Drain the fuel from the carburetor by removing the large drain screw from the very bottom of the float bowl.
- 3) Invert them so that the float are on top and put them in a stable position on a work bench. I use a portable Work Bench vice. NOTE: It is important that the carburetor are stable and do not move around while you work on them as it is very easy to damage the carburetor beyond repair should they fall off the work bench or if a tool slips.
- 4) Remove the 4 screws that hold the float bowl on. Give the slide of the float bowl a tap / hit with a plastic mallet or the plastic screwdriver handle and remove the float bowls.



- 5) With the carburetor in a horizontal position, measure the float height from the metal gasket surface to the top of the float, marked "A" in the picture. Check your bikes specific service manual for the correct measurement. Bend the small metal tab "B" of the float arm to obtain the correct height.



- 6) Using a 8mm spanner hold the Main jet stem while you remove the Main jet with a 8mm wide flat screwdriver.. NOTE: Use a screwdriver that exactly fits the slot in the Main jet as the jets are easily damaged by incorrect sized tools. (especially too small a screw driver).

If you wish to just replace the Main jet, then hold the Main jet stem and screw it the new Main jet. CAUTION: Do not over tighten the Main jet into the stem and do not over tighten the stem into the carburetor body as this may damage the carburetor beyond repair.



- 7) Push the Float pin out ( a bent paper clip work fine) and remove the float, taking note of which side is up.
- 8) Using your fingers, remove the Float jet.
- 9) Use a 10mm socket to remove the Float jet seat. NOTE: Do not use an open ended spanner to do this as it is very easy to slip and break off one of the Float support posts and destroy the carburetor.
- 10) Use a 8mm spanner to remove the Main jet stem
- 11) Use a 3mm wide flat screwdriver to remove the Pilot jet



- 12) End result. all the jets removed.
- 13) Top Row = Main Jet stem, Main jet, Float
- 14) Bottom Row = Float jet seat, Float jet, Pilot Jet, Float pin



- 15) To clean the jets, just soak them in carburetor cleaner and use compressed air. You may need to repeat the process (soak and blow dry) a number of times to get the jets clean. NOTE: Do not try using wire to clean the holes in any of the jets as this may damage the shape of the hole.
- 16) Re-assembly is the reverse of the above steps.

**CAUTION NOTE:**

- Do not cross thread any jet or jet stem. Take your time and if the thread seems tight stop, back it out and try again. Remember, if you strip a thread, the carburetor is either Junk or an interesting Paperweight for Mother In Law.
- Do not use excessive force to tighten any of the jets or jets or jet stems. They need to be tight but not "Big Arnie" tight. Just remember, you are not building a bridge, rather you are working on a fine instrument that needs a firm but delicate touch.
- Do one carburetor at a time - Do not mix parts from one carburetor to another.