Removing M/S Carburetor Jets
By John J (PA)

I recently discovered that you need to use something called a hollow-ground gunsmith's screwdriver to safely remove M/S carburetor jets. Or, you could make your own screwdriver. This article will show you how to grind down a screwdriver to the correct size, and then how to use that screwdriver to remove your M/S carburetor jets.

Step By Step Procedure

Figure 1 - Location of jets

Step 1: Spray PB Blaster, Liquid Wrench, Kroil, etc. on the jets. On this model carburetor, there are three jets; main, idle and economizer. The PB Blaster is in the port for the economizer jet, the red arrow points to the port for the idle jet and the yellow arrow points to the port for the main jet.

Step 2: The jets are made of brass and have a slot in them as shown. The object is to NOT booger up the slot, thereby creating a big problem which will require the use of a drill to fix.


Figure 2 - Brass Jet

Figure 3 - 1/8 and 3/16 slotted screwdrivers

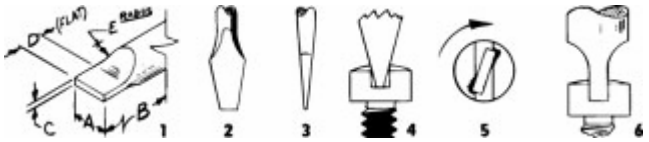
Step 3: To prevent from messing up the jets, you should grind down a screwdriver to make a square tip. For this model carburetor, the 3/16 inch screwdriver was used for the main and idle jet and the 1/8 screwdriver was used for the economizer jet. The trick is to start with the largest screwdriver that fits the jet.

Step 4: Put the screwdriver in a vise and start grinding with a Dremel or similar tool. You will need to grind down the tip and will also need to grind down the bottom few inches of the shaft (so it will fit in the port).

Figure 4

Figure 5

Almost finished with this one. It should like this when finished:



Step 5: Test fit your ground-down screwdriver in the jet port. Make sure the shaft of the screwdriver fits easily down the port.

Figure 6

Figure 7

Step 6: You should also test fit your screwdriver with one of the new jets in your carburetor rebuild kit. The screwdriver should fit snugly in the slots of the jet.

Step 7: Secure the carburetor in a soft-jaw vise and apply firm and steady pressure on the jet. Slowly turn. Hopefully you will hear the soft pop as the brass threads let go of their hold on the cast Iron body.