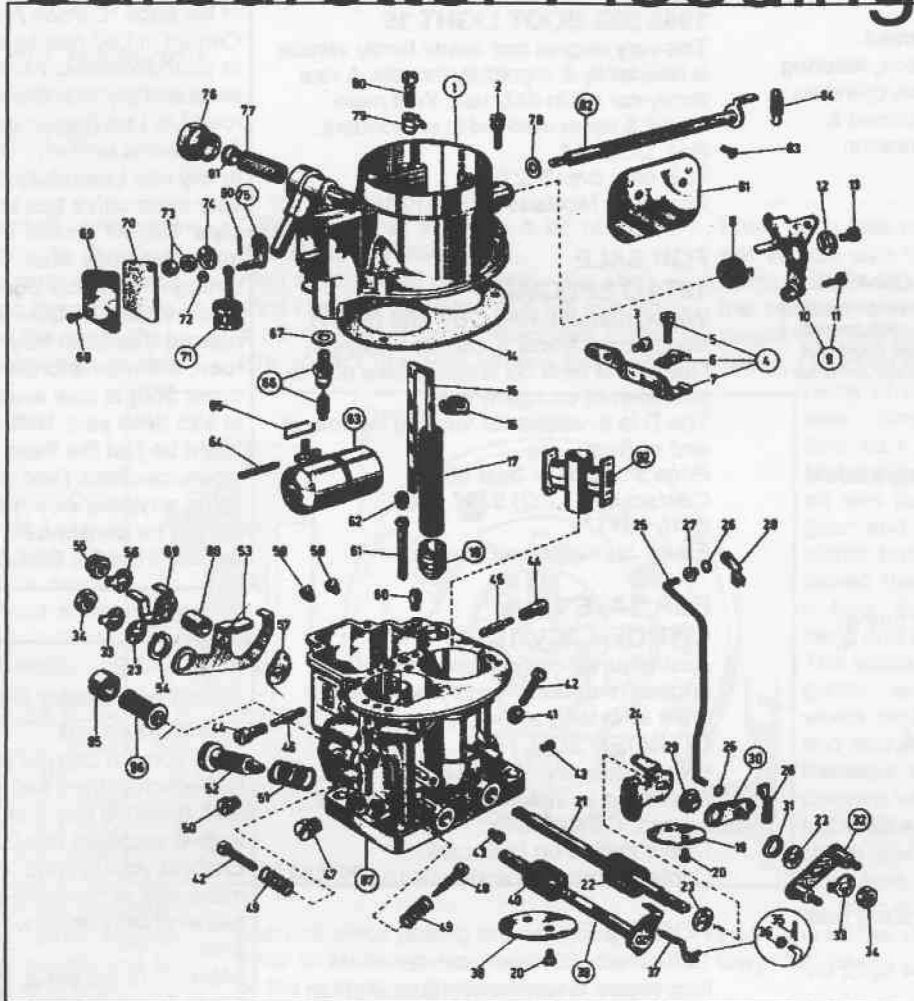


Carburettor Flooding



This describes the external escape or overflow of fuel from the carburettor, or fuel running into the barrel of the carburettor while the engine is running.

The causes are generally quite straightforward, first check the Float [in the bowl] is not punctured by removing it and shaking to see if there is fuel contained inside.

Examine the float to ensure it hasn't been collapsed by pressure caused by a backfire, make sure the float is the right way up. Where a float pivot lever is used, ensure that this swivels freely on its hinge pin and ensure also that the lever is the right way up.

Ensure that the hinge pin is correctly located in its grooves in the float chamber & it is held down by the appropriate

clip on carburettors so equipped. Check the "Float Level" which is adjusted by bending the float lever, you need the manufactures spec's to do this but as a rule of thumb, when the carburettor top is inverted with the N&S fitted up, the Float should lay horizontal [or parallel with the top casting.

Determine that the needle & seat N&S valve are serviceable by removing the valve and attempting to suck air through it while holding the needle against its seat. Only a dead seal is acceptable. If any air at all can be drawn through the valve, clean it thoroughly & test again. A sticky valve can often be cured by soaking in methylated spirit, but if no improvement is noted, replace the valve.

A N&S washer made of red or black hard fibre material or aluminum should be present between the valve and casting it screws into. Washer thickness varies between 1 & 2.5 mm. Refit the N&S so that no fuel can pass down the threads around the washer, Teflon tape is the go here.

Another cause of flooding is excessive fuel pressure which can be too great for the design of the N&S, have a garage check the pressure. Some pumps are adjustable or the stroke can be adjusted by spacers on the mounting. Carburettor Rebuild Kits are now available through CCOCA Parts.

To be continued.

