



Carburetor Set Up and Installation

Step 1

Remove Carburetor cap and lay out all the parts on a clean bench.



Step 2

Take hold of the needle and observe the different grooves near the thick end where the clip is. There are three grooves. If the clip is in the groove closest to the end, the engine will run **leaner** (less fuel) on idle and mid range r.p.m. If the clip is in the groove the most far from the end, the engine will run **richer** (more fuel) on idle and mid range r.p.m.

When these engines come and are set up as standard, we often find the carburetors are set too rich and need the needle adjusting. To do this, remove the clip from the needle, and put the clip in the groove closest to the end of the needle. This will let the needle sit lower in the carburetor and allow less fuel to travel into the engine, resulting in better economy, cleaner and smoother engine running, and higher top speed.

If you are finding your bike engine uses too much fuel and smoking a bit, then this is the first thing to check.

Once the needle position is set, place needle into centre of carburetor slide and then place the flat washer with the groove on top of the needle, making sure you have the groove lined up with the groove in the carburetor slide.



Step 3

Install cable to plastic grip first, and then thread this end through the carburetor cap and through the spring.



Step 4

Compress the spring and load the cable into the end of the slide. Once you have started, put the entire length of the cable into the slide, once you have done that, release the spring to the inside of the carburetor slide allowing the spring to push onto the flat washer and thus holding the needle down and in position.





Carburetor Set Up Complete!

Once internal carburetor adjustments are made, the idle speed and idle fuel mixture screws may need final adjustments for the engine to run 100%. If you have any queries or need any further help with the tuning of your engine, please contact the team at Cycle Pro Motors

info@cyclepromotors.co.nz

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