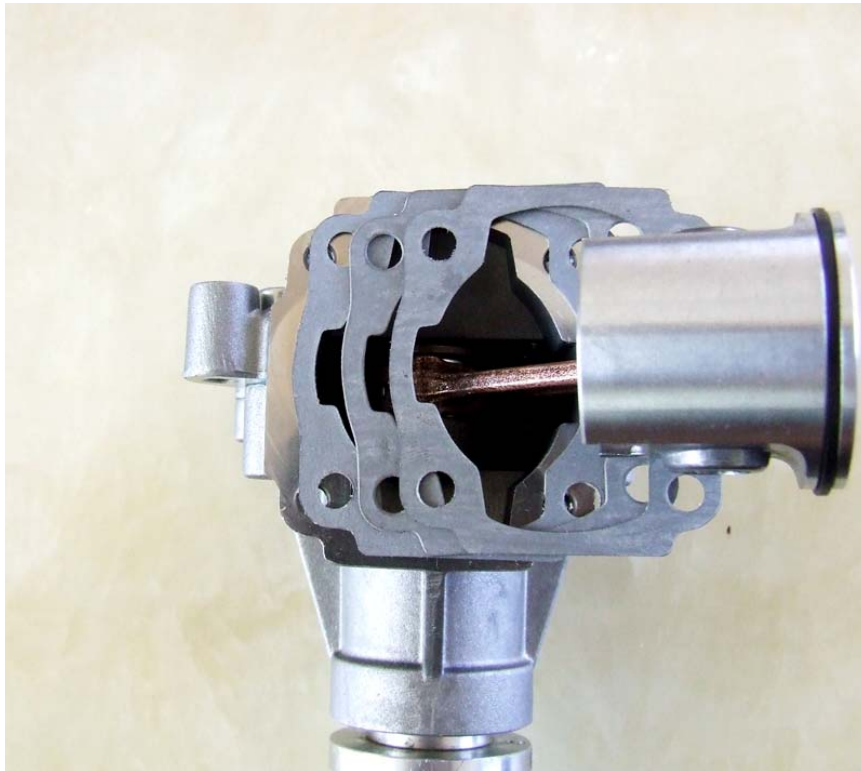


MODIFICATION ON DLE30

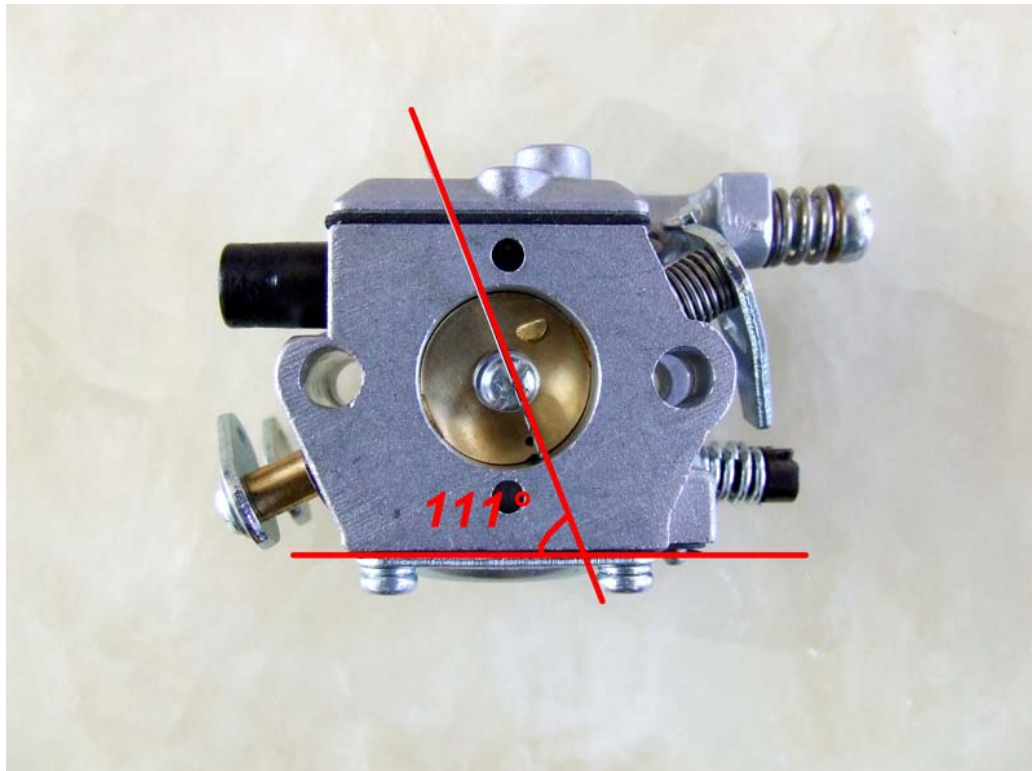
STEP 1

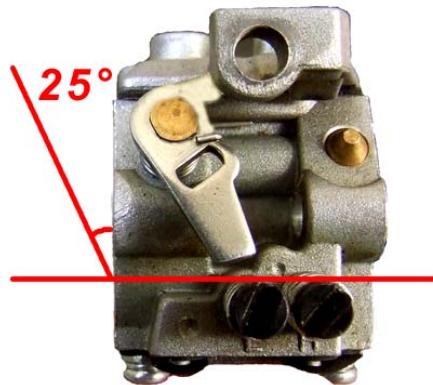
Reduce the compression ratio of cylinder by adding 2 cylinder gaskets. The thickness of cylinder gasket was 0.5mm, please be sure the thickness of gasket reaches to 1-1.5mm if you have to use something substituted.



STEP 2

Enlarge the idle hole on carburetor with a 0.65mm drilling bit. There is a Small hole in front of throttle plate, use a drilling tool to enlarge it to 0.65mm, please notice the deepness of idle hole is about 1-1.5mm. Be sure you drilling it at a correct angle and deepness or the drilling bit may break inside of idle hole and there is no way to take it out. Please refer pictures below.





About tilted quit problem, we have been running some many tests and collected reports from many customers, we noticed that tilted quit won't happened in a practical flight. In order to achieve a tilted quit condition, engine must running at idle for a long period around 30sec-1min. However, in a practical flight, the RPM is always changing during the whole flight, performing aerobatics at idle usually results plane stalling and diving. With RPM increasing, engine will be no longer at a tilted quit situation.