

## HIRTH ENGINE SETTING VALUES

55 HP Engine

Fan cooled engine

Engine	55HP FC
Ign. Timing @ 2000 Carbureted	14 ° BTC
Spark Plug Heat VI *	280
Spark Plug Gap	.020-.024
No. of Carburetors	Two
Carburetor ID #	Bing 54 Carburetor (38mm)
Main Jet	160
Idle Jet	45
Jet Needle	6P2 Position 1
Needle Jet	2.72
Needle Position	1
Do not exceed RPM	5800
Peak HP RPM	5500
HP (4i Peak RPM	55
Peak Torque RPM	5000
Peak Torque Ft. Lb.	53.2
Maximum CHT	535 ° F
Maximum EGT @ full power	1256 ° F
Maximum EGT @ cruise RPM	1330 ° F
Spark Plug *	
Compression Pressure	120 PSI

\* Optional Plugs : NGK BR 8 HS  
 : Champion RL86C or #830, L78C  
 : Nippon Denso W24 FSR-u  
 : Bosch W3AC

### Useful Links:

Official Bing Manual: [www.bingcarburetor.com/manual.html](http://www.bingcarburetor.com/manual.html)

Online Rebuild Manual: [www.800-airwolf.com/pdf/ARTICLES/part%2052.PDF](http://www.800-airwolf.com/pdf/ARTICLES/part%2052.PDF)

Online Tuning Manual: [www.ultralightnews.com/engine/troubleshooting/techtips/techtips2.htm](http://www.ultralightnews.com/engine/troubleshooting/techtips/techtips2.htm)

Online Cleaning Guide: <http://www.light-sport-aircraft.org/bing-54-carburetor-1.htm>