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## **WARNING!**

**It is necessary to re-jet this engine to your temperature  
and altitude conditions!**

RHCI has replaced the stock BING needle part #11G2 and needle jet part #2.72 with the new BING needle part #11K2 and needles jets part #2.76. This new combination of needles and needle jets should provide the proper ratio of fuel and air throughout the operational RPM range of the engine.

165 main jets are presently installed, therefore, allowing the engine to run excessively rich in most conditions. It will probably be necessary to change the main jets in order to raise the EGT reading to the ideal operating temperature of 1100 degree F. RHCI has provided a range of main jets, which are two each of 165, 160 and 155. Instructions on how to change the main jets is provided in the Mini-500 Assembly Manual. When making adjustments, always use the same size jets in both carburetors and adjust one jet size at a time.

**WARNING!** The engine should never operate above 1100 degree F. throughout any mode of flight! It may be necessary to check the calibration of the EGT gauge with more sophisticated and calibrated equipment. It is essential to know that your engine is operating at the correct EGT temperatures. Normal operating perimeter for EGT temperatures is between 1000 degree F and 1125 degree F.

The main jets provided do not cover the full in-between range available, and it may be necessary to acquire jet numbers in-between of what has been provided to achieve finer adjustments. It is necessary to adjust the jetting to maintain EGT temperature within the operational perimeter as temperature conditions change.

**WARNING!** If the engine is operating outside of the proper EGT operating perimeters, engine seizure and stoppage will most likely occur! It is the total responsibility of the owner and/or operator to achieve proper jetting of this engine. RHCI assumes no responsibility whatsoever for engine seizures of any kind.

If you have any questions, please contact RHCI Customer Service at (816) 637-2800.