



RC Engine Instructions

ATTENTION: This RC engine is a high performance 2-stroke racing engine. Proper tuning and maintenance is essential to the performance and longevity of this engine. This is applicable to both Chung Yang and Zenoah RC engines, including R230, R260, R270, R290, GP290, R420, R460, G230RC, and G260RC engines.

Fuel & Oil Requirements:

You must use a minimum of 91 octane Premium pump or race gas. You should use a high quality 2-stroke motorcycle pre-mix oil (i.e. Bel-Ray, Maxima, etc). Recommended fuel/oil ratio is 25:1, which is 5.1 ounces per gallon of gas.

Maintenance:

Periodic cleaning of the air filter element is necessary. You should inspect the air filter before every use and clean if necessary. The air filter element can be cleaned using hot soapy water and then rinsed and air dried. You must then re-oil the element using air filter oil.

Carb Tuning:

Carb tuning is very important to how this engine will performance. Improper tuning can easily cause a piston seizure. Always adjust the fuel mixture richer if you are unsure as to the fuel mixture settings. The carburetor has 2 fuel adjustment screws, a high speed for the upper rpm range and the low speed for initial throttle response and acceleration. Both screws work in the same way, turning the screw in will make for a leaner setting, allowing less fuel to pass. Turning the screw out will make the engine run richer. Adjustments should be made in very small increments, such 1/16th of a turn. Both screws have a working limit of approximately 3 turns out. Turning either screw out more than 3 turns is not recommended, as the screw can vibrate out all the way. A good starting adjustment in 1-3/4 turns open for both screws. The low speed screw should be adjusted for best throttle response. The high speed screw should be set for maximum loaded rpm and then turned slightly richer. You will need to work back and forth between both screws, as one will affect the other. When adjusting the high speed screw do not make full throttle passes for more than a couple of seconds until you have the adjustment set properly. The engine can seize very easily and quickly at high rpm if the setting is too lean!

Warranty

This engine has a limited warranty against defects in manufacturers workmanship. Seizures and other conditions resulting from improper fuel/oil mixture, fuel octane, carb adjustment, and misuse are not covered under warranty.