**Safety Instructions**

In order for you to use the engine, please read through this instruction manual carefully. This instruction manual uses special words, but if you have any difficulties for understanding, please ask the hobby shop you purchased or contact us directly.

1. Mount the propeller must use propeller nut supply with the engine.
2. Please retighten propeller nut periodically.
3. Clearance adjustment should be done when the engine is cool.
4. The proper clearance should be set at 6mm (0.000") to 7mm (0.004")
5. The adjustment is achieved by loosening the lock nut see "Fig.2." and turning the adjustment screw see "Fig.2." The engine must be at top dead center on the compression stroke before any adjustments are made. This engine runs best with the valves set at a tight setting. If the valves are set too loose, power will be affected.

**Installation**

Connect the engine to the tank and CDI wiring as shown in Fig 1. Battery and switch for CDI unit is not supplied of the engine set. Soft mount and fuel filter are also option.

1. The recommended fuel tank size is 500cc to 7000cc (18 to 24 oz).
2. Use spark plug gap is 0.35mm (0.014") to 0.45mm (0.018") when plug gap becomes over 0.5mm (0.020") will cause misfiring the engine. If gap becomes over 0.45mm, tap the element by hammer to adjust the gap of the plug.

**Battery for CDI Unit**

Use 4.8V Ni-Cd or Ni-MH batteries capacity around 700mAh. You can get over 5 hours 10 minutes flights. If you use Li-ion or Li-Po battery use voltage regulator to reduce voltage under 6V. Do not use 6V even short period of time. We are not recommended to share with receiver battery for CDI power supply.

**Engine Cooling**

Be sure to cool air for engine cooling. If it is not enough cooling air for the engine causes heat up the regulator and carburetor to make vaporized or percolates the fuel and will get deterioration of engine performance or stop the engine. Please read carefully below for provision.

1. Please open air intakes and outlets as big as possible.
2. Take off cooling when you make long engine adjustment included idle adjustment. When air temperature is high, it may heat up the regulator and carburetor to make vaporized or percolates the fuel even with out cooling. If it happens, wait till engine well cooling down before you restart and adjust.

**Parts and Repair Service**

If you can not find repair parts from hobby shops, you can order parts directly to our factory. We also do repair your engine at our factory. If you need repair service, please make detailed of status and send together with the engine.
Warranty

We strictly inspect each process of production from parts to final assembly for keep good quality. If a performance deteriorates or part fails due to a manufacturing error under normal usage, we will repair no charge within 1 year starting from the date of purchase. Warranty will not cover normal wear. Even within the 1 year warranty term, improper disassembly or assembly, under improper usage, any modification will avoid this warranty and there will be normal charge for parts and labors.

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