

11.6 PRD FIREBALL 125CC SPECIFICATIONS



Preamble:

The following are the Technical Specifications for the PRD Fireball 125 engine, as approved by AIDKA. Unless otherwise specified, the engines must be original in all their components according to the PRD Fireball 125 drawings. Homologated drawings are available at www.aidka.com.au. The engine must be Australian delivered and imported by an AIDKA authorised importer to be eligible for competition. Neither the engine or any of its ancillaries may be modified unless specifically authorised within these rules. Only Genuine IAME components that are specifically designed and supplied for the PRD Fireball 125 engine are legal, unless otherwise specified. Any removal, addition or polishing of material is strictly forbidden. Sandblasting, glass bead blasting, peening, acid etching, spark eroding and/or any other method of metal removal or displacement is not allowed. The use of thermal barrier coatings / ceramic coatings on or in the engine / engine components and on or in exhaust components is prohibited. The use of anti friction coatings on or in the engine / engine components is prohibited. OEM pistons are exempt

11.6.2 Cylinder: Must be OEM, All ports and passages are cast finish except some pre-existing factory removal of flashing. No modifications to the ports accepted. Maximum bore 54.28mm

11.6.3 Cylinder Head: Must be OEM, Minimum volume of 9.5cc, Modification to the cylinder head to achieve minimum ccs is acceptable. Must retain both squish band and spherical combustion chamber.

11.6.4 Crankcase & Crankshaft: Must be OEM with no modifications. Maximum stroke 54.004mm

11.6.5 Conrod: Must be OEM, PRD Medium Weight 122grams +/- 4g, modifications.

11.6.6 Piston: Must be OEM, coated and uncoated pistons allowed as supplied by the manufacture. No modifications.

11.6.7 Clutch: PRD/Horstman/FX-100 clutch, No modifications allowed.

11.6.8 Reed Valve: Reed valves must be of the same style as the manufacture. Reed pedal thickness 0.3mm +/- 0.08mm Carbon Fibre reeds are allowable.

11.6.9 Carburettor: Only permissible carburettor is the Tillotson model HL-360A or Enzo 24mm. Carburettor venturi must remain as supplied from manufacture. Non-Technical items will include, extension to existing low jet, plastic carburetor top, conical cable return spring and cable support bracket

11.6.10 Ignition: Must be OEM, PRD or PRD Opama or PRD Easystart.

11.6.11 Exhaust System: OEM Header only, Muffler must be OEM Straight PRD9037/95A, IAME Leopard 10718, or PRD "Bubble Type". No modifications allowed

except the addition of an Exhaust Gas Temperature fitting.

11.6.12 Radiator: Allowable radiators are the IAME X30 or RL Version, PRD 350x200mm or PRD 400x235mm Version, Rotax FR125 Max

11.6.13 Non-tech Items: Unless specified, non-tech items are to be of the same type and style as the original. No alteration from the original manufacturers specifications is permitted to fit a non-tech item. Non-tech items for the PRD Fireball 125 engine include; Air filter / Airbox, Clutch sprocket, Gaskets, Seals, Big & Little End Roller Cages, Fasteners, Washers, Spark Plug, Spark Plug Lead, Spark Plug Resistor Cap, Main Bearings, Water Hoses, Hose Clamps, Water Pump, Axle O-Ring, Axle Pulley, Thermostat, Exhaust Flex, Battery, Starter Motor, Carburettor gasket / diaphragm repair kit including needle and seat, plastic fittings on the electrical looms for the ignition and starter assembly.