

## 11.7 PRD Galaxy 125 Specifications



### **Preamble:**

The following are the Technical Specifications for the PRD GALAXY 125 engine, as approved by AIDKA. Unless otherwise specified, the engines must be original in all their components according to the PRD GALAXY 125 drawings. Homologated drawings are available at [www.aidka.com.au](http://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 PRD components that are specifically designed and supplied for the PRD Galaxy 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.

### **11.8.1 Displacement**

Bore 53.90, Stroke 54.00 +/- 0.004, Max Bore 54.40

### **11.8.2 Cylinder Head**

1. Aluminium Cylinder Head must be of original engine manufacturer and conform to drawings supplied by manufacturer with no modifications.
2. Minimum 10.5cc
3. Repairing the spark plug thread is permissible.

### **11.8.3 Cylinder**

1. Must be OEM with no modifications.
2. All passages are cast finish except some pre-existing factory removal of flashing
3. No modifications to the ports accepted.
4. A base gasket must be retained.

### **11.8.4 Piston & Piston Ring**

1. Must be original PRD OEM,
2. Must be marked with PRD inside the casting.
3. No modifications

### **11.8.5 Piston Pin**

1. Must be PRD OEM
2. No Modifications

### **11.8.6 Conrod**

1. Must be PRD OEM as marked.
2. No Modifications

#### **11.8.7 Crank Pin**

1. Must be PRD OEM
2. No Modifications

#### **11.8.8 Crankshaft**

1. Must be PRD OEM
2. No material can be removed or added.

#### **11.8.9 Reed Manifold**

1. Must be PRD Top Mount OEM
2. No modifications

#### **11.8.10 Reed Block & Reed Petals**

1. Reed Block must be PRD OEM with no modifications
2. Reed valves must be the same style as the original, Carbon Fibre reeds are allowable
3. Reed thickness 0.30mm +/- 0.08mm

#### **11.8.11 Carburettor**

1. Must carry PRD markings as supplied by PRD.
2. No adding or removing material is permitted apart from repairing threads

#### **11.8.12 Ignition**

1. Coil / CDI - PVL model 590 221 only
2. Stator - PVL Ident Nr 1045 only
3. Rotor - PVL only
4. Spark Plug Cap 401 222 only

#### **11.8.13 Power valve Assembly**

1. Must be OEM

#### **11.8.14 Exhaust Header & Spacers**

1. Must be OEM
2. The fitting of PRD OEM exhaust spacers between the header and cylinder is permitted to adjust the exhaust length.
3. Maximum thickness of Exhaust Spacers & gaskets 35mm

#### **11.8.15 Exhaust Muffler**

1. Must be OEM
2. No modifications

#### **11.8.16 Clutch Assembly**

1. Must be OEM
2. PRD Metal Clutch assembly or PRD Clutch with linings assembly is acceptable. Parts are interchangeable.

#### **11.8.17 Radiator**

1. Allowable radiators are the IAME X30 or RL Version, PRD 350x200mm or PRD 400x235mm Version, Rotax FR125 Max

#### **11.8.18 Crankcase**

1. Must be OEM with no modifications.
2. Engine number must start with 'AU'.

#### **11.8.19 Wire loom**

1. Must be OEM.
2. Wire loom plugs and fittings can be repaired or replaced with non genuine parts.

#### **11.8.20 Airbox**

1. Airbox/Airfilter is a non-tech item.

#### **11.8.21 Non Tech Items**

No alterations from original manufacturers specification is permitted to fit a non tech item.

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 Galaxy125 engine include;

Air filter / Airbox, Clutch sprocket, Gaskets, Seals, Big & Little End Roller Cages, Fasteners, Washers, Spark Plug, Spark Plug Lead, 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.