

Classification of standard air cooled bikes.

Aim: To encourage accurate construction and provide a predetermined overall standard so no competitor can obtain an unfair advantage.

Frames

All frames must be of mild steel construction and made in the school workshop. No commercial frames allowed.

Front Forks/Head stocks or Triple clamps.

Steel or alloy construction produced by the student. No commercial components allowed.

Engines.

- ∞ The standard A115 engine is the only acceptable engine in this class, in 47cc or 49cc form. The engine cannot be modified in any way.
- ∞ No alterations to the engine's transfer ports or adding of extra ports. This includes inlet and exhaust ports.
- ∞ No alterations to the combustion chamber.
- ∞ No alterations to the compression ratio.
- ∞ The replacement of the standard steel reed valve with a carbon fibre or glass fibre replacement is not acceptable.
- ∞ Alteration of the ignition timing by the use of timing keys is not allowed.
- ∞ Lightening of the flywheel is not allowed.
- ∞ Race ignition coils are not acceptable.

Carburetor/Air filter.

- ∞ The standard carburetor of the round piston type is the only acceptable type. No flat slide carbs.
- ∞ No alteration to the carb jets.
- ∞ No adjustable carb needle jets.
- ∞ The standard "Black" air filter/ pickup is the only acceptable filter. No pod filters to be used.

Gearing and Clutches.

- ∞ Acceptable gear ratios are.
- ∞ 6 x 68
- ∞ 7 x 68
- ∞ 8 x 68
- ∞ Clutches should be of the standard type.
- ∞ Adjustable race style will not be allowed.

Exhausts.

- ∞ The only acceptable system will be the small black system as supplied in the Newmanz kits – unmodified.
- ∞ No after market exhausts.
- ∞ No “S” shaped expansion chambers.

Leading Dimensions.

- ∞ Maximum wheel base 850 mm. Measured from the centre of the front axle to the centre of the rear axle.
- ∞ Maximum seat height 500 mm measured from a point immediately to the rear of the fuel tank, on top of the seat.

Brakes.

- ∞ Standard brake calipers, one only fitted to the front and rear wheels. Front/rear wheels must be braked.

Attention.

It is not our intention to stop the pupils from innovating nor to dampen their enthusiasm. Far from it we will actively encourage that sort of approach.

We wish that pupils who spend money and modify their machines do so in a spirit of honesty and fair play. To this end they should enter the modified air cooled class.

The organising committee will reserve the right to request that the first 3 placed bikes in any standard class be dismantled and inspected at the conclusion of racing and before prizes are presented.

If any modifications occur, the student will be disqualified, all points will be forfeited and they will be excluded from participating in the following years event.

The committee's decision will be final.

A standard gasket set will be provided so the student can reassemble the bike at no cost to the student.

Classification of Modified Air Cooled Bikes.

Frames.

All frames must be of mild steel construction and made in the school workshop. No commercial frames allowed.

Front Forks/Head stocks or Triple clamps.

Steel or alloy construction produced by the student. No commercial units are allowed.

Engines.

The A115 engine is the only acceptable engine in this class. The engine can be modified in any way.

Carburetor/Air filter.

Completely open.

Gearing and Clutches.

Gear ratios are over to the student.

Adjustable race style clutches are allowed.

Exhausts.

Any system will be acceptable, after market exhausts and “S” shaped expansion chambers are to be encouraged.

Leading Dimensions.

- ∞ Maximum wheel base 850 mm. Measured from the centre of the front axle to the centre of the rear axle.
- ∞ Maximum seat height 500 mm measured from a point immediately to the rear of the fuel tank, on top of the seat.

Brakes. Front/rear wheels must be braked.

Classification of Modified Water Cooled Bikes.

Frames.

Frame construction material is open but must be made in the school workshop. No commercial frames allowed.

Front Forks/Head stocks or Triple clamps.

Steel or alloy construction produced by the student. No commercial components allowed.

Engines.

The basic 40cc water cooled engine is the only acceptable engine in this class. The engine can be modified in any way. Big bore kits are to be encouraged.

Carburetor/Air filter.

Completely open.

Gearing and Clutches.

Gear ratios are over to the student. Adjustable race style clutches are allowed.

Exhausts.

Any system will be acceptable, after market exhausts and “S” shaped expansion chambers are to be encouraged.

Leading Dimensions.

- ∞ Maximum wheel base 850 mm. Measured from the centre of the front axle to the centre of the rear axle.
- ∞ Maximum seat height 500 mm measured from a point immediately to the rear of the fuel tank, on top of the seat.

Brakes.

Front/rear wheels must be braked.