



1.0 Class 1 Vintage, Historic and Classic pre '89:

General Technical Regulations 2020

Class 1 refers to Direct Drive Karts of a designed cubic capacity of 100cc.
All karts must comply with these regulations and the class specific regulations for each class.

1.0, Class Eligibility:

The class that a kart will race in is determined by whichever of the following is of the latest period:

Chassis, Engine, Exhaust manifold diameter and rear axle diameter.

A chassis is dated from when it is first proven to have been produced and raced, or when it was CIK homologated. Non-homologated chassis will be dealt with as they arise and their eligible date must be established by the owner or driver and agreed with Retro Racer before race use.

An engine is dated as when it first appeared in the RAC blue book or the CIK homologation book.

Eligibility Issues:

The appointed scrutineer primarily checks karts for their safety. However, they will point out any eligibility issues that they identify to the owner/driver. If these issues are not addressed, they will be raised with the class representative.

If another competitor in the same class has questions about the eligibility of a kart they should raise these questions with the class representative. The class representative will discuss any issues with the kart owner/driver with the aim of finding a solution acceptable to all drivers in the respective class.

The aim of this initiative is to arrive at a friendly and informed solution to issues of eligibility

Engine:

1.1, Eligible Engines:

See list in each of the class specific regulations.

1.2, Engine Specifications:

All engines must have;

- (a) No more than 106cc
- (b) Original external appearance except for any bent or broken fins.
- (c) Original stroke length
- (d) Original con-rod length
- (e) Original overall diameter of the crankshaft

A cylinder liner made from a single piece of ferrous material with an integral central exhaust divide (bridge). The exhaust divide must be in contact with the piston ring as the piston passes the exhaust port.

No added material.

Motoplat fixed ignition system.

No chemical surface treatments with the exception of Teflon coated pistons.



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1.21 Carburettor:

Tillotson butterfly carburettor with maximum venturi of 25.4mm in keeping with the original period. Slide carbs or carbs machined from billet material not permitted. A secondary throttle return spring must be fitted.

1.22 Exhaust:

See Class specific rules for eligibility.

1.23, Fuel:

Petrol, Roadside garage pump fuel maximum 99 octane.

Chassis:

1.3, Chain and Finger Guards:

Chain guards must cover the top of the chain and axle sprocket. A finger guard is required that prevents access by the driver to the engine sprocket and chain whilst seated in the kart. Chain and finger guards must be present at all times.

1.31, Brake System:

Must be in keeping with the age of the kart, and should be of the same type as originally fitted, e.g. drum, mechanical disk or hydraulic disc. Maximum two pistons in the brake caliper. Self-adjusting hydraulic systems not permitted. Billet material machined calipers not permitted. A secondary brake safety cable must be fitted and present at all times.

1.32, Rev Counters:

Only period style rev counters permitted. Data loggers and timing devices such as Mychron and Alfano are not permitted.

1.33, Stub Axles:

Must be in the style originally fitted to the kart. Two piece billet material machined stub axles are not permitted. Maximum shaft diameter is 17mm.

1.34, Seat:

Seats must be black in colour. Full or part material covering is permitted if period correct. A washer of 40mm minimum must be fitted between the seat and each seat fixing.

1.35, Transponder:

To be used for racing is the AMB160 and to be fitted to the rear of the seat or rear left hand seat stay.

1.36, Steering:

Steering wheel must be in keeping with the class and must be round and with a leather or vinyl material finish. Flat top wheels not permitted. Angled steering boss not permitted.

1.38, Weights:

Weight is the total of karts plus driver as weighed at the end of the race. It includes clothing, helmet and fuel.

Minimum weight limits apply, see class specific regulations for respective limits.



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1.39, Components:

All components used on the kart must be in keeping with the period of the kart. Aluminium components must be black or natural in colour.

1.40, Tyres:

Tyres will be checked for eligibility and condition at scrutineering. No more than one set of slick tyres and wet tyres can be used per meeting.

Tyres must not be chemically treated in any way.

See Specific Class Regulations for eligible tyres for each class.

1.41, Number Plates and numbers:

Number plate with numbers must be attached to the front and back of the kart and be clearly visible. See class specific regulations for colours.

1.42 Rear Axle:

Must be the same material and size originally fitted to the kart. Bearing number and style must remain as originally fitted.

Axle must not protrude beyond the outer edge of the rear wheel.

See Class Specific Regulations for maximum axle diameter.