



# F100 90's Tour - 2021

## F125 – Technical Regulations

### Classic Gearbox Technical Regulations

### Produced 6<sup>th</sup> March 2021 – Formula C - V1

#### 1 – Introduction

##### 1.1 Foreword

F100 is a Historic Kart Race Series owned and operated by F100 Spirit of the Nineties Ltd.

It embraces what we believe were the finest eras of karting: The 1990's.

With a light and nimble kart chassis that turns on a sixpence and responds to your every command, coupled to an intensely responsive 125cc water cooled engine revving upto 16,000 RPM, what more could you ask for as a driver. Just touch the throttle and the engine picks up the revs immediately, shift through the gears and it just delivers you more power and noise than you could ever imagine and without any hesitation.

That's the unmistakable sight, sound and smell of F100 - Spirit of the 90's.

Emphasis will not only be on affordable kart racing but it shall be competitive, fair, safe and enjoyable.

Somehow, we have created a 'Grass Roots' and 'Accessible' karting class from the top flight machines of Formula A, Formula ICA and Formula C of the 90's.

F125 is pure unadulterated karting at its very best whilst racing under a MSUK Championship permit at some of the country's best venues.

No Starters, No Battery, No Rev Limiter, No Clutter - Just pure speed, noise and power.

Now you can race F125 in our MSUK Recognised Championship

Come and join us on our magical mystery tour today - The F100 90's Tour of Britain.

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The technical regulations that follow should be read as the series organiser variations or restrictions against MSUK regulation CL2.0 Classic Gearbox Libre in Motorsport UK Yearbook 2021.



#### **A: Chassis:-**

- A1 Any chassis that conforms to Motorsport UK Yearbook regulations and was manufactured for ICA, ICA-J or ICC for any of the CIK homologation periods up to the end of 1999.
- A2 Additionally, any British made non-gearbox kart or short circuit gearbox kart that was made before the end of December 1999 and meets the same criteria as mentioned above. Driver to provide proof of kart age.
- A3 ICA and ICA/J chassis may be modified with the fitment of gear lever brackets, water pump brackets and radiator brackets if required.
- A4 Seat stays may be modified to accommodate the engine.
- A5 Modifications to main chassis rails are strictly prohibited except for a single cut to the 4th chassis rail is permitted. (The 4th rail must not be removed if it was originally permanently fixed by design.)
- A6 Only period castor/camber adjusters may be fitted. Multi Castor/Camber type chassis are not permitted as seen on long circuit "style" karts.
- A7 Fully enclosed chain guard must be used. Type free.
- A8 Front stub axles must be 17mm.
- A9 Seat stays must have washers as per U16.13.2 / 16.13.3.
- A10 A maximum of two additional seat stays may be fitted per side.
- A11 Pedals free.
- A12 Rear Axle to be a maximum of 40mm.
- A13 Magnesium parts are permitted.
- A14 Ackerman Steering permitted.
- A15 The chassis must be complete, removal of any part e.g. a bearing hanger, is not permitted. Repairs by welding or brazing are permitted.

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### **B Brakes:-**

- B1 Brakes must be hydraulically operated and effective on all four wheels.
- B2 Brake systems are free. Maximum 1 pad per side and 2 pistons per pad.
- B3 Brake discs must be steel or cast iron. Type free.
- B4 ABS not permitted.
- B5 Must be fitted with a back-up brake safety cable in case of failure. Cable to be 2mm thick and fitted independently between the brake pedal and master cylinder(s)

### **C Wheels and Tyres:-**

- C1 Wheels must be one piece aluminium or magnesium.
- C2 Wheels and tyres to be 5" in diameter
- C3 Max wheel width 122mm front and 210mm rear measured internally. Maximum 133mm and 217 externally.
- C4 Tyres must be purchased from F100 Kart Club.
- C5 Tyre types / sizes as follows: Komet
  - Dry – Komet K1H      Front 10 × 4.60 x 5      Rear 11 x 7.10 x 5
  - Wet – Komet K1W      Front 10 x 4.20 x 5      Rear 11 x 6.00 x 5
- C6 Artificial heating or any chemical treatment of tyres is prohibited.
- C7 Only one set of dry tyres may be used per meeting. If punctured, a replacement may be permitted the scrutineers discretion.
- C8 Rain tyres are not restricted.

### **D Bodywork/Rear Bumper:-**

- D1 Karts must be fitted with Bodywork. Side pods, Nassau and front fairing up to and including the bodywork homologation CIK02 is mandatory.
- D2 Rear bumper must be full width and made from magnetic steel.
- D3 Intrusion (pencil) bar may be fitted.
- D5 The rear wheels must at all times be level or outside with the outer edge of the rear bumper. Never inside.
- D6 Cutting of Side Pods is only permitted to accommodate radiator and/or air box.

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#### **E Engine:-**

- E1 Engines must have been homologated by CIK-FIA for the Formula C or ICC categories prior to 2001
- E2 Engines must retain the original external appearance and specification according to their homologation except for repairs to water jacket and studs by using an appropriated welding method.
- E3 Tuning is Open.
- E4 Crankshafts MUST retain their original homologated stroke.
- E5 Connecting rod must not exceed 113mm in length.
- E6 Crankcase to barrel spacer plates are not permitted.
- E7 Material may only be removed from the engine or carb. Adding of material to the engine or carb is strictly prohibited.
- E8 Programmable or Digital ignition systems are not permitted
- E9 Ignition “Mass Dampers” are not permitted.
- E10 Only Water-Cooled engines are permitted.
- E11 The carburettor diameter to be maximum of 39mm. Only period flat slide, round slide or butterfly carburettors are permitted. Power Jetted carbs are not permitted.
- E12 Intake Silencer. A CIK-FIA air intake silencer must be fitted, at minimum as per CIK-FIA regulations relevant to the period of the engine, or from any later CIK-FIA homologation period up to end of 2001.
- E13 Maximum of two trumpets, with maximum trumpet diameter of 30mm
- E14 Transmission. Direct from the engine to the rear axle via a single length of chain
- E15 The only permitted Lubricant will be Elf HTX 909
- E16 Fuel must comply with FIA Appendix J – Article 252 - Paragraph 9.1
- E17 Maximum of 4 engines may be used at any race meeting.
- E18 Additionally, any engine for listed for 125 Super or 125 ICC in the MSA Yearbook up to and including 1999. All eligible engines have been added to the the drivers virtual garage.

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#### **F Kart Weights:-**

F1 Minimum weight for kart and driver are currently as follows:-

Formula C:- 175Kgs

Formula C+:- 185Kgs

#### **G Sundry:-**

G1 The Formula C class will use Yellow Number plates with Black Numbers. The Formula C+ class will use Yellow Plates plates with Red Numbers.

G2 Period 3 spoke steering wheels of 3-bolt fixing with flat top or bottom are permitted.

G3 Data logging is permitted.

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### H: Chassis Log Books

- H1** In order to race at any F100 event, a kart chassis will first require a log book. The initial process is now electronic via your online Virtual Garage and backed up with physical checks at the circuit against the class rules, homologation fiches and regulations.
- H2** Every item that is added to the Virtual Garage will create a notification alert to F100. We will then verify the details you have entered are correct. If we notice a problem with any data entered, a member of F100 will contact you.
- H3** In order to obtain your log book, please log into your Alpha driver profile via our website [www.f100uk.com](http://www.f100uk.com).
- H4** Once logged into your profile, click on 'Vehicle Garage'
- H5** You can now add chassis and engines into your garage as follows.
- H6** Firstly, click 'Add Chassis' chassis tab. You will be presented with some guidance notes to help you add your chassis. Please read them carefully.
- H7** Next, click the drop down menu below the 'Manufacturer' tab and select your chassis make from the drop down menu list.
- H8** Once you have added your manufacturer, you will be able to type in the chassis model type.
- H9** Next, you can now give your chassis an optional 'Friendly Name' or 'Nickname'. Type this Nickname in the box below 'Nickname'.
- H10** Next, you MUST add the serial number of the chassis exactly as it is shown on your kart. Please do not add fake or random numbers just to part complete the process as this generates un-necessary notifications.
- H11** Now the next part is most important. Please add the chassis CIK homologation number exactly as it is shown on your chassis. Again, please do not add fake or guessed numbers as this generates un-necessary notifications to the F100 Technical team.
- IF YOUR KART DOES NOT HAVE A CIK NUMBER, YOU MUST CONTACT F100 AND INFORM US.**
- Contact:- [logbooks@f100uk.com](mailto:logbooks@f100uk.com)
- H12** To complete the process, click 'SAVE' located at the bottom left hand side of your screen to save your garage item.
- H13** Next, add engines but this time you can only select from an approved manufacture and model list of engines. The the CIK Homologation number is not required this time.
- H14** F100 purchased tyres will be automatically added into your virtual garage. Be sure to give your tyres 'Nicknames' so you know when they were purchased or used, i.e. 'Wigan Round 1'.

**END OF DOCUMENT**



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Driver Notes:-

Regs: Issued 03/2021