



# *Rockingham*

## **SCALEXTRIC Club**

### **Policar F1 RACING CHAMPIONSHIP** **Late 60s to early 70s**

- The following cars will be eligible to race: -

#### **Policar**

Lotus 72  
March 701  
BRM P160  
BRM P153  
Ferrari 312B2

If you think any other cars should be added or excluded for any reason please let us know.

**Alterations to the Formula 1 rules can only be made before the start of a season. This class is to run inline with the Andy Roland Policar national events, changes may happen as the national events rules change.**

## TECHNICAL REGULATIONS

### 1. Motors

- a. All eligible cars must be powered by a Policar 'slimline' (FF050) motor with a manufacturer's rating not exceeding 25,000rpm at 12volts.
  - If a motor is rated at a higher voltage a simple straight line graph will be used to determine the rpm at 12volts.
  - E.g. a motor rated at 26,000rpm @ 14volts.  
 $26,000/14 = 1857 \times 12 = 22,286\text{rpm @ }12\text{volts.}$
  - Manufacturer's figures will be accepted as correct.
- b. Shortening the armature shaft is the only modification permitted to any motor.
- c. Motor position in the chassis may not be altered in any way.
- d. No modifications to the motor mount are permitted.
- e. Motors and/or motor mounts may be glued into place if desired.

### 2. Gears

- a. All eligible cars must use the gears used as original equipment by the manufacturer to the following specifications;
- b. Pinions may be glued or soldered to motor shafts and crown gears may be glued to axles.

### 3. Wheels

- a. Any wheels fitted as original equipment by the manufacturer to the car must be used.
- b. Policar or Slot.It F1 machined aluminium wheels may be substituted if desired provided they are of the correct size, both front and rear, for the car they are fitted to.
- c. All wheels must be representative of real wheels or have suitable inserts fitted.
- d. Wheels may be glued to axles if desired.

### 4. Tyres

- a. The following solid rubber tyres must be used;
  - Front tyres: Free choice, minimum diameter 16mm, minimum width 6mm.
  - Rear tyres: Slot.It/Policar F22 (logo must be visible) minimum diameter 18mm, maximum width 12mm.
- b. Tyre width limits are 'overall'.
- c. Tyres may be glued onto the wheels, and may be sanded true.
- d. Front tyres may be coated with nail varnish, super glue or similar.
- e. Any tyre cleaner used must not leave a residue on the tyres or track.
- f. Sponge tyres and tyre dressings (goop) of any kind are not permitted.
- g. **Tyres made from, or containing, Silicone must not be used.**

### 5. Rear Axles

- a. Rear axles are free choice but must not extend beyond the outer face of any wheel and are subject to a maximum overall car width of 65mm.
- b. Any type of rear axle bearings may be fitted, and may be glued into place.

## **6. Front Axles**

- a. Front axles are free choice but must not extend beyond the outer face of any wheel and are subject to a maximum overall car width of 65mm.
- b. Front axles must have any side to side movement restricted to comply with Rule 6a.

## **7. Slot Guide**

- a. All cars must be fitted with the original Policar slot guide.
- b. Guide to motor wires and pick up braids are free choice.

## **9. Ballast**

- a. Ballast weight may be added to any car as desired, provided that it is placed within the confines of the body and chassis and is firmly glued in place.
- b. Traction magnets may be retained or removed as desired.

## **10. Body**

- a. Bodies and Chassis must be used complete and unmodified except as detailed below.
- b. Bodies may be repainted provided that doing so does not distort the body.
- c. White body kits must be fully painted and decaled.
- d. All cars must have a realistic colour scheme and carry at least three racing numbers.
- e. The original interior must be retained complete, include a drive and must be glued in place.
- f. No part of the chassis or running gear may be visible through the cockpit area..
- g. Chassis ride height may not be lowered in any way.
- h. Body to chassis mountings may not be lowered in any way.
- i. Minor scraping or sanding of the body sides and/or chassis edges is permitted to allow the body to move freely on the chassis.
  - This includes removal of any internal pegs etc. that rest on the motor, axle bearings or chassis sides.
  - Removal of other parts of the body or chassis for this purpose is not permitted
- j. Body fixing screws are free choice and may be left loose.
- k. Adhesive tape or 'blue tack' must be placed over the body fixing screw holes to prevent screws from falling out.

## **11. Ground Clearance**

- a. There is no minimum ground clearance rule but at no time may the body, chassis, motor or gears touch the track surface in normal use.

- b. **When the car, race ready, is placed on a slotted, flat surface, all 4 tyres must touch the surface and all 4 wheels must rotate when it is pushed forward.**

## 12. Finally...

If the rules do not expressly say that you can do something then you cannot do it.

## Index to amendments

<u>Issue No</u>	<u>Date</u>	<u>Amendment</u>
1	01/12/16	First draft.
2	04/03/17	Revised after club input.
3	10/12/23	Updated to National Ploicar rules.