



Rockingham

SCALEXTRIC Club

FORMULA 1 – LATE 60'S TO EARLY 70'S CHAMPIONSHIP

- **The following cars will be eligible to race:-**

Policar

Lotus 72

Scalextric

Brabham BT26
Eagle Weslake
Lotus 49 & 49B
Lotus 72
McLaren M7C
Tyrrell 001, 002 & 003

If you think any car or should be added to or removed from this list please let us know.

Once a class has been selected for a mini series no alterations can be made to the rules for that class until after the conclusion of the mini series.

TECHNICAL REGULATIONS

1. Motors & Motor Mounts

- a. All cars must be powered by a slimline motor with a manufacturer's rating not exceeding 25,000rpm at 12 volts provided it can be fitted without modifying the motor.
 - If a motor is rated at a higher voltage a simple straight line graph will be used to determine the rpm at 12 volts.
 - E.g. a motor rated at 26,000rpm @ 14volts. $26,000/14 = 1857 \times 12 = 22,286\text{rpm @ } 12$ volts.
 - Manufacturer's figures will be accepted as correct.
- b. Motor position in the chassis may not be altered in any way.
- c. No modifications to the motor mount are permitted.
- d. Motors and/or motor mounts may be glued into place if desired.
- e. Rear-wheel drive only is permitted.

2. Gears

- a. All eligible cars must use the gears supplied as original equipment by the manufacturer to the following specifications:
 - Gear ratio of 9/27 or 9/25
- b. Pinions may be glued to motor shafts and crown gears may be glued to axles.

3. Wheels & Tyres

- a. Tyre width limits are overall
- b. Any wheels fitted as original equipment by the manufacturer to any eligible car may be used.
- c. 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.
- d. All wheels must be representative of real wheels or have suitable inserts fitted.
- e. Wheels may be glued to axles if desired.
- f. 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
- g. Tyres may be glued onto the wheels, and may be sanded true.
- h. Front tyres may be coated with nail varnish, super glue or similar.
- i. Any tyre cleaner used must not leave a residue on the tyres or track.

4. 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 64mm.
- b. Any type of plain rear axle bearings may be fitted, and may be glued into place.

5. 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 64mm.
- b. Any type of plain front axle bearings may be fitted and may be glued into place.
- c. Cars fitted with stub axles may have them replaced with a single, solid axle if desired.
- d. Front axles may have any movement (up and down or side to side) restricted as desired.

6. Slot Guide

- a. All cars must have one slot guide only.
- b. All cars must be fitted with a standard depth slot guide.*
- c. Any car may have an easy-fit guide replaced with a conventional wired guide, with the minimum necessary modification made to the chassis.
- d. Guide to motor wires and pick up braids are free choice.

7. 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.

8. Body and Chassis

- 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.
- 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 driver – minimum of head, shoulders, arms and steering wheel in 3D -and may be glued in place.
- f. No part of the chassis or running gear may be visible through the cockpit/cabin area.
- g. The chassis does not have to be the chassis originally intended for the body being used but the wheelbase must match that of the body, without modification to the body.
- h. The chassis must be from one of the eligible cars or a commercially available 3D printed chassis intended for any car eligible for this championship.
- i. Chassis ride height may not be lowered in any way.
- j. Body to chassis mountings may not be lowered in any way.
- k. 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.
- l. Body fixing screws are free choice and may be left loose.
- m. Adhesive tape or 'blue tack' must be placed over the body fixing screw holes to prevent screws from falling out.

10. 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.

11. Finally...

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

*Definition of a 'standard depth slot guide'

- a. Any slot guide supplied as original equipment by the manufacturer with any ready-to-run slot car eligible for the class.
- b. Any aftermarket slot guide intended for use in any ready-to-run slot car which can be fitted without modification to the guide or guide mount and having a blade depth, excluding braids, not exceeding 7.0mm.

Index to amendments

Issue No.	Date	Amendment
1	16/11/16	First draft.
2	30/11/16	Second draft
3.	09/12/16	Amended width and tyre dimensions, added eligible makes and models
4.	01/03/17	Alloy wheels allowed