



# Rockingham

## **SCALEXTRIC Club**

### Pre 1961 CLASSIC GRAND PRIX RACING CHAMPIONSHIP

- The following cars will be eligible to race: -

#### Scalextric (current)

Maserati 250F, Vanwall, Ferrari 375, Cooper Climax T53

#### Scalextric (1960s and re-issues)

Vanwall, BRM P25, Cooper Climax, Lotus 16, Auto Union, Bugatti T59

#### Cartrix

Mercedes W196, Maserati 250F, Ferrari 555 Super Squalo, BRM P25, Lotus 16, Gordini T32, Bugatti 251, Vanwall, Lancia Ferrari D50, Aston Martin DBR4, Talbot Lago T26C, Alfa Romeo 158

#### Airfix/MRRC

Mercedes W125, Auto Union, Vanwall, Maserati 250F, Cooper Climax T53

#### MRRC

Mercedes W154

#### Pink Kar

Auto Union, Bugatti T59

#### Strombecker

Mercedes W154, Maserati 250F, Cooper Climax

#### Bum Slot

Mercedes W154

This list is based on available mass produced models of cars that raced in Grand Prix, Formula 1, Voiturette and Formula 2 races up to 31<sup>st</sup> January 1960.

If you think any car should be added to or excluded 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 eligible cars may use the motor supplied as original equipment by the manufacturer.
  - Cars that have been manufactured with different motors may be up graded to the best performing motor, but must use the correct adaptors or mount for that motor.
- b. Any eligible car may be fitted with any commercially available motor intended for use in any Ready-to-Run slot car and having a manufacturer's rating not exceeding 20,000rpm at 12volts.
  - If a motor is rated at a higher voltage a simple straight line graph will be used to determine the rpm at 12 volts.
  - E.g. a motor rated at 23,000rpm @ 14volts.  
 $23,000/14 = 1643 \times 12 = 19,716\text{rpm @ } 12 \text{ volts.}$
  - Manufacturer's figures will be accepted as correct.
- c. Shortening the armature shaft is the only modification permitted to any motor.
- d. Motors must be mounted 'inline' (that is at right angles to the rear axle).
- e. Front motored cars may be converted to rear motor but must remain 'inline'.
- f. When converting a front motored car or fitting a motor to a chassis intended for a different type of motor any of the following methods are permitted;
  - Any commercially available adaptors may be used.
  - The motor may be mounted to one end of the original mount and have single piece of wire or plastic glued across the chassis to support the other end of the motor.
  - Any plastic 'inline' motor mount or motor pod intended for use in any ready-to-run slot car may be used, and may be modified as desired. Any motor mount or pod used must not be visible outside the body when viewed from the side or from above.
- g. Motor mounts and motor pods must be fixed rigidly to the chassis, loose fixing screws, rocking motor pods, sprung or magnetic suspension are not permitted.
- h. Motors, motor mounts and motor pods may be glued into place if desired.
- i. Rear-wheel drive only is permitted.

### 2. Gears

- a. All eligible cars may use the gears supplied as original equipment by the manufacturer.
- b. Any brand of 9 tooth pinion and 27 tooth crown gear may be substituted if desired.
- c. Pinions may be glued to motor shafts and crown gears may be glued to axles.

### 3. Wheels

- a. Any wheels fitted as original equipment by the manufacturer to any eligible car may be used and may be fitted to any other eligible car, but must be of the correct size and pattern for the car they are fitted to.
- b. Any brand of plastic or machined aluminium wheels may be substituted if desired but must be of similar size to the originals and must have inserts of the correct pattern fitted.
  - Suitable aluminium wheels and various inserts are available from;
    - Pendle Slot Racing: PCS 32207 and 32227 including wire inserts and tyres.

- Penelope Pitlane: CL Classic Wheels with many inserts available as extras.
- RS Slotracing: RSW002 and RSW004 with inserts available as extras.
- BWA in the USA: BWA 32-15-275-093 with many inserts available as extras.

c. Wheels may be glued to axles if desired.

#### **4. Tyres**

- a. Any tyre fitted as original equipment by the manufacturer to any eligible car may be used and may be fitted to any other car.
- b. Tyres may be glued onto the wheels, and may be sanded true.
- c. Front tyres may be coated with nail varnish, super glue or similar.
- d. Any tyre cleaner used must not leave a residue on the tyres or track.
- e. Sponge tyres and tyre dressings (goop) of any kind are not permitted.
- f. Cars which raced from 1934-1951 (CSCRA Class GP2a) must use:
  - a. Front tyres with a minimum 21.5mm diameter and 5mm width
  - b. Rear tyres with a minimum 24mm diameter and maximum 7mm width
- g. Cars which raced from 1952-1960 (CSCRA Class GP3) must use:
  - a. Front tyres with minimum 19mm diameter and 5mm width
  - b. Rear tyres with minimum 21.5mm diameter and maximum 7.5 width
- h. 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 55mm.
- b. Any type of rear axle bearings, or prop' shaft bearing if used, 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 55mm.
- b. Front axles must have any side to side movement restricted to comply with Rule 6a.
- c. Any type of plain front axle bearings may be fitted and may be glued into place.
- d. Any car fitted with a steering unit may have the steering fixed or be fitted with a conventional front axle if desired. See also Rules 7 and 10m.

#### **7. 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 and body.
- d. Guide to motor wires and pick up braids are free choice.
- e. Steering mechanisms do not have to be retained. See also Rules 6 and 10m.

#### **8. Lights etc.**

- a. Any car fitted with working lights etc. may have the light bulbs, LED's, wiring, PC board, etc. removed.

## **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 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. Cockpit interiors must be fitted, be as complete as possible, include a driver - minimum of head, shoulders, arms and steering wheel in 3D - and may be glued in place.
- f. Vacuum formed or other light weight interiors are not permitted.
- g. No part of the chassis or running gear may be visible through the cockpit area.
- h. Windscreens must be fitted where they appear on the real car.
- i. Fragile details such as rear view mirrors may be omitted.
- j. The chassis must be the chassis originally intended for the body being used.
- k. The chassis may only be modified as detailed in Rules 1, 5, 6, 7, 8, 9 and 10.
- l. When fitting an alternative motor to a chassis the minimum necessary modification may be made to the chassis in order to fit the new motor, motor mount or pod. See also Rule 1.
- m. When fitting an alternative guide or replacing a steering unit with a conventional front axle, only plastic materials may be used. Metal, with the exception of axle bearings or an axle tube, and composite materials are not permitted. See also rules 6d and 7e.
- n. 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.
- o. Body fixing screws are free choice and may be left loose.
- p. 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.

**\*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**

<u>Issue No</u>	<u>Date</u>	<u>Amendment</u>
1	25/06/08	First draft.
1a	25/07/09	Allow Scaleauto SC-0008 20k Silver can motor.
1b	02/06/10	Add Cartrix Vanwall & Lancia Ferrari. Add Airfix/MRRC Cooper Climax T53.
2	25/12/10	Add Scaleauto SC-0020 20,000rpm Blue can motor. Allow aluminium wheels. Revise some other wording.
2a	14/05/11	Add Cartrix Aston Martin DBR4.
2b	05/11/12	Add Cartrix Talbot Lago T26C. Add Scaleauto SC-0008B 20,000rpm Silver can motor.
4	01/08/13	Simplify and clarify using standard wording for each section.
4b	22/12/13	Add Cartrix Alfa Romeo 158.
5	28/07/17	Add dimension specifications to tyre section 4