



# Rockingham

## **SCALEXTRIC Club**

### **NINCO CLASSIC SPORTS & GT. RACING CHAMPIONSHIP**

•The following cars will be eligible to race: -

#### **Ninco**

Ferrari 166MM, Ferrari Testa Rossa  
Porsche 356, Porsche 550 Spyder  
Jaguar XK120, Jaguar E Type  
AC Shelby Cobra, Austin Healey 3000, Chevrolet Corvette

#### **Scalextric (Modern)**

Mercedes 300SLR, Jaguar D Type

#### **Scalextric (Vintage)**

Jaguar D Type, Aston Martin DBR1, Lister Jaguar, Ferrari 250GT, Aston Martin GT

#### **Carrera**

Mercedes 300SLR, Maserati A6GCS, Aston Martin DB3  
Ferrari 166MM, Jaguar D Type

#### **SCX**

MGA

#### **Pink Kar**

Ferrari 250GTO

#### **MRRC**

Cobra, Ferrari 275P

- Only the versions with a Mabuchi 'S' can motor fitted as standard are eligible.
- Cars that have the Sebring chassis and an FF050 motor are not eligible.

This list is based upon Classic Sports and GT cars of the 1950s and early 1960s that are of generally similar construction and performance and come with an inline Mabuchi 'S' can (FC130) motor as standard or can easily have one fitted.

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. Any eligible car may be fitted with any commercially available Mabuchi 'S' can (FC130) motor with a manufacturer's rating not exceeding 18,000rpm 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.  
 $23,000/14 = 1643 \times 12 = 19,716\text{rpm @ 12 volts.}$
  - Manufacturer's figures will be accepted as correct.
- b. Any Ninco car supplied with and NC2 type (FK180) motor must be fitted with one of the above motors using only the correct Ninco parts specially made for this purpose.
  - Ninco Part Numbers N70202, 80605 or 80608.
- c. Any other cars which were originally supplied with a different type of motor must use suitable, commercially available, adaptors to fit a Mabuchi motor.
- d. Shortening the armature shaft is the only modification permitted to any motor.
- e. Motor position in the chassis may not be altered in any way.
- f. No modifications to the motor mount are permitted.
- g. Motors and/or motor mounts may be glued into place if desired.
- h. 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 either plastic or metal.
- d. Replacement crown gears must be made entirely from plastic.
- e. Pinions may be glued to motor shafts and crown gears may be glued to axles.

### **3. Wheels**

- a. All cars must be fitted with suitable 'Classic' style plastic wheels which must accept Ninco Classic 20x7 tyres without modification.  
(Ninco, Carrera and Cartrix all make suitable wheels)
- b. Wheels may be glued to axles if desired.

### **4. Tyres**

- a. Any brand of solid rubber tyre may be used subject to the following restrictions;
  - Front tyres: Free choice but must be of realistic proportions for a 'Classic' car.
  - Rear tyres: Only Ninco 80503 Classic 20 x 7 rear tyres may be used.
- b. Tyre treads must not protrude outside the car bodywork when viewed from above.
- c. Front axles must have any side-to-side movement restricted to comply with Rule 4b.
- d. Tyres may be glued onto the wheels, and may be sanded true.
- e. Front tyres may be coated with nail varnish, super glue or similar.
- f. Any tyre cleaner used must not leave a residue on the tyres or track.
- g. Sponge tyres and tyre dressings (goop) of any kind are not permitted.
- 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.  
See also Rules 2, 3 and 4b.
- b. Any type of plain rear axle bearings, and 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.  
See also Rules 3, 4b and 4c.
- b. Front axles may have any movement (up and down or side to side) restricted as desired.

## **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.
- d. Guide to motor wires and pick up braids are free choice.

## **8. Lights etc.**

- a. Any car fitted with working lights etc. may have the light bulbs, LED's, wiring, PC board, etc. removed, but must retain all external lenses.

## **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. 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. 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/cabin area.
- h. Windscreen and window mouldings must be retained, and be complete and original.
- i. Wheel arches may not be enlarged in any way but moulding flash may be cleaned off.
- j. Rear view mirrors, spare wheels and tyres, soft tops and co-drivers may be omitted if desired but all other detail parts must remain fitted.
- k. The chassis must be the chassis originally intended for the body being used.
- l. Chassis ride height may not be lowered in any way.
- m. Body to chassis mountings may not be lowered in any way.
- 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	05/04/02	First draft.
1a	06/09/02	Add Austin Healey.
1b	11/06/05	Add Chevrolet Corvette.
1c	14/10/06	Amend motor mount part numbers.
1d	18/04/08	Add Porsche 550 Spyder.
1e	05/12/09	Allow NC8 motor.
2	11/01/13	Allow SRP 16,000 rpm motor. Open up the class to other brands of slot car.
4	01/08/13	Simplify and clarify using standard wording for each section.
5	30/08/17	Amend section 1 to allow any Mabuchi S can not exceeding 18,000rpm at 12volts