

### **Basic Rules for Classes A, B, C, D**

**Maximum guide flag depth 6mm, thickness maximum 1.7mm and length 21.5mm. No wood guides. Recommended to use NSR standard low profile Rally sprung guides (as there will be some Rally type tracks to negotiate). Vac formed bodies are not allowed for any class. No traction magnets allowed. Guides must not protrude in front of the body. All 4 tyres must be in contact with the track surface. Only rubber or Polyurethane based tyre compounds are allowed (no silicone tyres)**

*To avoid running duplicate cars across Classes, if any car is listed for Class A, B, C or D, the same car model type is not entered into any of the other car eligible class lists. The RoadRace administrator decides which car models is most eligible for each class based on best available historic information and how it best fits into the structure of the event. (Reference [www.racingsportscars.com](http://www.racingsportscars.com). And “NASCAR The Complete History” by Greg Fielden and the Auto Editors of consumer Guide*

### **Cannonball Run 2022 (Class A)**

**Theme-** Any Supercar, sports, Touring or production Rally car made from 1980 onwards. No special Racing only prepared cars. RTR Standard cars can be re-painted in order to gain favour in the Concours competition.

Class for RTR Scalextric, SCX, Carrera, Fly (Standard) or Ninco (Sports) models. Some modifications are allowed.

**Class A Rules** -All parts must be commercially available.

#### **A1) Motors (Max 18krpm at 12 volts) :**

Scalextric standard (Mabuchi S-Bel), SCX (excluding RX4H), Carrera ( excluding Tunning motors), Fly (excluding EV02) or Ninco (excluding NC4,NC6, NC10 & NC12)

#### **Upgrade your Standard model with Slot-it /NSR parts:**

##### **A2) Gears, axles, wheels, bushes.**

Standard parts as supplied in the RTR model, alternatively equivalent parts can be fitted. The wheels /tyres must not protrude outside the model wheel arches of the model when viewed from above and must have matching wheel inserts fitted.

- a) Gears must be of the same gear ratio as originally fitted (relating to original motor orientation). Minor chassis modification is permitted to allow the smooth functioning of the crown gear. The nylon pinion gear can be changed for equivalent metal one.
- b) wheels must be solid (no air or shouldered wheels) of the same equivalent size and have appropriate wheel inserts fitted.
- c) Original nylon wheel bearings can be changed for the recommended Slot it brass replacement parts.
- d) Axles must be plain metal solid type, no hollow, reduced thickness or Carbon ones.

### **A3) Tyres**

Any rubber or Polyurethane based compound commercially available can be used. Tyres can be glued and trued.

### **A4) Slot Guide**

Maximum guide blade depth 6mm and maximum 1.7mm thickness and 21.5mm length. Recommended to use a sprung guide for this event.

Any car may have an easy fit guide replaced with a conventional wired guide with the necessary minimum modifications to the chassis. The guide must not protrude in front of the body and should not be visible when viewed from above.

Motor wires and braids are free choice.

### **A5) Ballast**

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.

### **A6) Bodies**

The outside body must be of the original model, Cars must be have original moulded interior with driver. No blacked out models without full interior allowed.

Rear view mirrors may be omitted but all other details parts must remain as fitted, wheel inserts must be fitted.

### **A7) Chassis**

Chassis must be as original model. Some light scraping allowed to allow the body to move freely over the chassis.

### **A8) Ground clearance and dimensional requirements**

Minimum motor to track clearance 1.5mm. All four tyres must touch the track surface when placed on the track and all four wheels must rotate.

Maximum overall outside tyre wall width 64mm.

## **Pan American Road Race (Class B)**

**Theme-** Road cars of the period which ran in any nationally recognised road race or Rally between 1950 and 1970. Special racing prototypes or Cars which also ran in the Trans Am/NASCAR racing post 1960 will be excluded.

Class for RTR, modified or scratch built models.

**Class B Rules** (All parts must be commercially available)

### **B1) Motors**

Motor with a manufacturer's rating not exceeding 18,000rpm at 12 volts. Motors in RTR models can be changed and orientation altered with the appropriate motor pod/chassis. Motors can be small can, Short Can, Long Can, Flat Can or Slim Can, or RX construction. Motors must not be modified from manufacturers specification.

Motors with excessive magnet traction are not allowed (eg Avant 20103, MB Dodo and BRM Super Evo)

## **B2) Gears, axles, wheels, bushes**

free choice

## **B3 Tyres**

Any Rubber compound can be used.

Front and rear wheel and tyres: minimum width 5mm, maximum width 8mm

## **B4) Slot Guide**

Maximum guide blade depth 6mm and maximum 1.7 mm thickness and 21.5mm length. Any car may have an easy fit guide replaced with a conventional wired guide with the necessary minimum modifications to the chassis. The guide must not protrude in front of the body and should not be visible when viewed from above. Motor wires and braids are free choice.

## **B5) Ballast**

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.

## **B6) Bodies & Chassis**

All body shells must be of hard plastic, glass fibre, resin or 3D printed materials, Clear view windscreens and windows must be provided. Vacuum formed windows and headlight covers are permitted.

Rear view mirrors may be omitted but all other details parts must remain as fitted, wheel inserts must be fitted.

Vacuum formed or lexan interiors are permitted but must be realistic and be a 3d representation of driver and interior.

The chassis can be as that which was supplied as a RTR model, alternatively the use of 3d printed, universal chassis or brass constructed is permitted.

## **B7) Ground clearance and dimensional requirements**

Minimum motor to track clearance 2mm. All four tyres must touch the track surface when placed on the track and all four wheels must rotate.

Maximum overall outside tyre wall width 58mm

## **The Trans Am -Nascar Challenge Tour**

### **Trans Am & NASCARS (Class C)**

**General Requirements-** For cars with engine size above 2 litres which took part in Trans Am, NASCAR or Bathurst 100 between 1960 until 1972. Must be 1/32 scale. The cars should be decorated with the typical livery of cars raced in this class.

Cars can be RTR branded slot cars, kit based or scratch build.

**Class C Rules:** (All parts must be commercially available)

### **C1) Motors**

Free choice of motor type with a manufacturer's rating not exceeding 20,000rpm at 12 volts. Orientation of the motor is free

## **C2) Gears**

Free choice of gears and gear ratio.

## **C3) Wheels**

Free choice of wheels but they must be representative of the type fitted in scale to the real models with representative wheel inserts fitted.

## **C4) Tyres**

Front tyres – Any rubber or polyurethane tyre compound can be used with minimum wheel and tyre diameter of 17mm and width minimum of 6mm

Rear tyres – Any rubber or polyurethane tyre compound can be used with minimum wheel and tyre diameter of 19mm and maximum width of 10mm

## **C5) Axles**

Free choice but must not protrude outside wheel hub.

## **C6) Slot Guide**

Maximum guide blade depth 6mm and 1.55 mm thick

Any car may have an easy fit guide replaced with a conventional wired guide with the necessary minimum modifications to the chassis.

Motor wires and braids are free choice.

## **C7) Lights etc**

Any car fitted with lights may have the light bulbs, LED's, wiring, PC board and other fittings removed.

## **C8) Ballast**

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.

## **C9) Body**

All body shells must be made of hard plastic, glass fibre, resin or 3D printed. Vacuum formed lightweight shells are not permitted.

Windscreen and window mouldings must be provided but can be made of clear vacuum formed plastic. Rear view mirrors may be omitted but all other details parts must remain as fitted, wheel inserts must be fitted.

Vacuum formed or lexan interiors are permitted but must be realistic and be a 3d representation of driver and interior. Wheel inserts must be fitted.

## **C10) Chassis**

The chassis can be as that which was supplied as a RTR model, alternatively the use of 3d printed, universal chassis or brass constructed is permitted.

## **C11) Ground clearance and dimensional requirements**

Minimum motor to track clearance 1.5mm. All four tyres must touch the track surface when placed on the track and all four wheels must rotate.

Maximum overall outside tyre wall width 64mm

## **Trans Am & NASCAR (Class D)**

**General Requirements-** Any car of any engine capacity which took part in Trans Am, or Bathurst 1000 between 1973 until 1980. Any Post 1973 NASCAR. Must be 1/32 scale. The cars should be decorated with typical livery of cars raced in this class. Cars can be RTR branded slot cars, kit based or scratch build.

**Class D Rules:** (All parts must be commercially available)

### **D1) Motors**

Free choice of motor type with a manufacturer's rating not exceeding 20,000rpm at 12 volts. Orientation of the motor free.

### **D2) Gears**

Free choice of gears and gear ratio

### **D3) Wheels**

Free choice of wheels but they must be representative of the type fitted in scale to the real models with representative wheel inserts fitted.

### **D4) Tyres**

Front tyres – Any rubber or polyurethane tyre compound can be used with minimum wheel with tyre diameter of 17mm and width minimum of 6mm

Rear tyres – Any rubber or polyurethane tyre compound can be used with minimum wheel and tyre diameter of 19mm and maximum width of 10mm

### **D5) Axles**

Free choice but must not protrude outside wheel hub.

### **D6) Slot Guide**

Maximum guide blade depth 6mm and 1.55 mm thick

Any car may have an easy fit guide replaced with a conventional wired guide with the necessary minimum modifications to the chassis.

Motor wires and braids are free choice.

### **D7) Lights etc**

Any car fitted with lights may have the light bulbs, LED's, wiring, PC board and other fittings removed.

### **D8) Ballast**

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.

### **D9) Body**

All body shells must be made of hard plastic, glass fibre, resin or 3D printed. Vacuum formed lightweight shells are not permitted.

Windscreen and window mouldings must be provided but can be made of clear vacuum formed plastic. Rear view mirrors may be omitted but all other details parts must remain as fitted, wheel inserts must be fitted.

Vacuum formed or lexan interiors are permitted but must be realistic and be a 3d representation of driver and interior. Wheel inserts must be fitted.

### **D10) Chassis**

The chassis can be as that which was supplied as a RTR model, alternatively the use of 3d printed, universal chassis or brass constructed is permitted.

### **D11) Ground clearance and dimensional requirements**

Minimum motor to track clearance 1.5mm. All four tyres must touch the track surface when placed on the track and all four wheels must rotate.

Maximum overall outside tyre wall width 64mm

### **Technical Inspection**

Before the event competing cars will be inspected to check they are in compliance of the rules and to check for any postal damage.

If a car is found to be not compliant with the rules or is found to be damaged, the sender will be contacted and a decision will be made as to if the competitor wishes to have the entry withdrawn, or if it is agreed to attempt repair or modification by the scrutineer. If there is a minor infringement of the rules the car may be allowed to run at the discretion of the RoadRace administrator.

### **Servicing by hosts**

A quick service inspection will be at every host stage.

Braid adjustment and cleaning, tyre cleaning, axle and gear lubrication.

Cars that are found to require an unreasonable amount of repair may be withdrawn at any stage during the competition. The owner will be notified but the cars will not be returned until the end of the competition.

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Host event coverage



