



# Classic Race Series Rules 2010

For 1/24th and 1/32 classes

**Raceway 81 will run two "classic race series in 2010 on alternate Thursday evenings to the Wing Car Series, So the 4 week race cycle will be**

**WING - 1/24th D3 - WING - 1/32nd SCALE American Cup**

Both classes are intended to be low cost and also give close, fun racing, while also challenging racers Modeling and scratch building skills. Doubtless any racers who do not have the necessary tools / experience to prepare cars for the series will find help from those who can. Gentlemen - Prepare to Scratch!!

1/24 D3 Retro Can-Am

## Dimensional Specifications

1a. Maximum Overall Chassis Width: 79.38mm (3.125") (measured across any part of the chassis)  
1b. Maximum Rear Tyre width 20.32mm (0.800") 1c. Minimum Rear Tire diameter: 20.65mm (0.8125")  
1d. Minimum Front Tire width: 5.72mm (0.225") 1e. Minimum Front Tire diameter: 19.05mm (0.75")  
1f. Minimum Ground Clearance: Rear 1.194mm (0.047" or 18g wire) (measured under rear axle including gear) and Front 0.381mm (0.015") (measured beneath chassis under front axle line). Both measurements taken with the guide free of the block surface.

2. **Chassis construction** Any personally-built or commercially available scratchbuilt chassis conforming to these specifications and to the spirit of the rules. Chassis Materials: Brass: sheet, rod and tube, steel: wire, pin tubing and guide tongues are allowed. A three-sided motor bracket including rear axle carrier is mandatory. Other than guide tongues, stamped steel parts and EDM or laser-cut parts of any material are not allowed.

Firmly fixed Lead Ballast may be added to the chassis,

Drive type: Inline drive only, with the motor shaft at 90 degrees to the rear axle.

Other than a drop arm, all hinged movements must be oriented in only one direction (i.e. either side pan hinges OR a plumber hinge, NOT BOTH). Centreline hinges (flexi hinges) are not allowed.

Front axle: A single straight, one-piece front axle is required, carrying both front wheels. Front wheels may rotate independently. The axle may be fixed or in a tube. NO hinged front wheel movements are allowed (i.e. no "L" arms).

Guide: One guide flag (or pin) centred on the longitudinal axis of the chassis (i.e. no sideways "free float"? or offset) is allowed.

3. **Motor Rules** Motor type: Unopened, unmodified Falcon VII motor.

4. **Body Rules** Body style: Pre '70 Canam cars, bodies may be originals, (Lancer, MAC, etc) or reproduction or new casts. No "flattened" or "aerodynamically improved" bodies allowed (i.e. no moulded-in spoilers, wings etc that were not on the original full-size car or original mould).

A rear spoiler may be fitted but this may be no larger than 12.7mm x 79.38 (0.5" X 3.125")

Cockpits MUST be fully opened as per the prototype, following the contour of the car's windshield. A separate 3-D driver figure painted in at least 2 colours must be fitted.

Front wheel arches must be cut out. Rear wheel arches may be left closed if the original full-size car ran with closed wheel arches.

Bodies must be presentably painted and carry at least two racing numbers. No part of the chassis may be seen when looking at the car from above.

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### **AMERICAN CLASSIC 1/32 SCALE HARDBODY**

#### **The Cars**

Any Saloon Cars or Sports Cars with 2 or more seats and closed roof (not convertible or open top) raced in the USA between 1959 & 1971. This covers a wide range of US and European cars raced in all American race series.

As most racers are very much reliant on manufactured bodies, which are not always perfect, there is no specific requirement for exact scale length and width for body shells. They are, however, expected to be reasonably to scale. Bodies may have flaired wheel arches, however these should not be extreme. If you push the boundaries too far you may be asked to run something else.

#### **BODIES**

All body shells must be of hard plastic, glass fibre, resin, wood or similar material. Vacuum formed bodies are not permitted. Wheel arch extensions are only permitted if they can be shown to have been fitted to the prototype during the period covered by the race meeting.

All cars must be finished in a style sympathetic to the period being represented and carry at least two racing numbers.

All cars must have clear window glass etc fitted where it appears on the prototype. Vacuum formed windows and headlight covers are permitted.

All cars must have a 3 dimensional representation of a driver consisting of at least a head, shoulders, arms, hands and the upper part of a steering wheel.

Vacuum formed interiors and drivers are permitted but must be realistic.

The chassis, wheels and tyres, motor and all running gear must not be visible from above or through the cockpit opening, cabin area or engine bay.

The guide must not protrude beyond the front-most point of the car when in the straight ahead position.

Minimum body Roof height 1.25" (31.75mm)

#### **WHEELS AND TYRES**

Front wheels - must have a rubber or hard sponge "tyre", be a minimum of 16mm diameter and 6mm width. Front wheels must touch and roll.

Rear Wheels - Tyres must be Black Sponge. Wheels may be metal or metal/polymer composite. Maximum Tyre width 12mm, Minimum tyre diameter 19mm.

#### **MOTORS**

1k Falcon Motors or Proslot "scale" motors with Chinese armatures only (no Puppy Dog or Big Dog armatures.)

Proslot Part Numbers PS4000, PS4001, PS4002.

#### **GROUND CLEARANCE**

(Measured without guide on the block) 1mm under the entire chassis, front to back including gear.

#### **CHASSIS CONSTRUCTION**

Chassis may be either In Line or Sidewinder construction, (NO ANGLEWINDER CHASSIS).

The chassis should be either of Scratch built construction using brass sheet & tube and Piano Wire (a steel guide plate is allowed).

Chassis design limits;- No Flexiboards (no central inline hinge allowing the chassis to flex). Chassis may have moving side pans with upward and / or forward movement. Plumbers and drop arms are also permitted.

Should racers wish and basic scratch building it outside their experience, they may use an AB Can Am or Lotus 40 sidewinder laser steel kit, unmodified from the official build instructions (with the exception of wheel base and width adjustments).

The rear axle should run in either oilite/bronze bushes or brass tube (no ballraces).

Maximum overall width of Body/chassis 64mm.

Firmly fixed Lead Ballast may be added to chassis.