

# NLSME 1/24 D3

## CanAm and F1/Indy Retro Meeting



16th and 17th August 2008

### D3 2008 1/24 Retro Can-Am

#### 1. Dimensional Specifications

- 1a. Maximum Overall Chassis Width: 79.38mm (3.125") (measured across any part of the chassis)
- 1b. Maximum Rear Tire 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:
  - 1.27mm (0.050") (measured under rear axle including gear) and
  - 0.381mm (0.015") (measured under front axle).Both clearances measured with car standing on a flat tech board on its wheels, without guide.

#### 2. Chassis construction:

- 3a. Chassis type: Any personally-built or commercially available scratchbuilt chassis conforming to these specifications and to the spirit of the intent statement is allowed.
- 3b. 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.
- 3c. Drive type: Inline drive only, with the motor shaft at 90 degrees to the rear axle.
- 3d. 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.
- 3e. 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).
- 3f. 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. Other Requirements:

- 4a. Motor type: Unopened, unmodified FK-type motors only
- 4b. 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. 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 three racing numbers, one on each side, and one on the front.
- No part of the chassis may be seen when looking at the car from its top.

## **D3 2008 1/24 Retro F1/Indy**

### **1. Dimensional Specifications**

- 1a. Maximum Overall Car Width: 82.55mm (3.25") (measured across front or rear axle)
  - 1b. Maximum Rear Tire width: 20.32mm (0.800")
  - 1c. Minimum Rear Tire diameter: 20.65mm (0.8125") (13/16")
  - 1d. Minimum Front Tire width: 5.72mm (0.225")
  - 1e. Minimum Front Tire diameter: 10.05mm (0.75") (3/4")
  - 1f. Minimum Ground Clearance: 1.27mm (0.050") (measured under rear axle including gear) and 0.381mm (0.015") (measured under front axle).
  - 1g. Maximum chassis width, excluding front axle carrier, when seen from above: 34.925mm (1-3/8")
  - 1h. No part of the chassis may extend behind the center of the rear axle by more than 25.40mm (1")
- All clearances measured with car standing on a flat tech board on its wheels, without guide.

### **2. Chassis construction:**

- 2a. Chassis type: Any personally-built or commercially available scratch-built chassis conforming to these specifications and to the spirit of the intent statement is allowed.
- 2b. 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 unless submitted for approval.
- 2c. Drive type: Inline drive only, with the motor shaft at 90 degrees to the rear axle as viewed from above.
- 2d. 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, meaning that a "loose" hinge may not provide movement in more than one direction). Centerline hinges (flexi hinges) are not allowed. No chassis movement, dynamic or induced, may extend the overall chassis width to more than 1-3/8".
- 2e. Front axle: A single straight, round 3/32" minimum-diameter one-piece front axle is required, carrying both front wheels. The axle may be fixed or in a tube. Small flats can be ground only in three places for setscrew location. NO hinged front wheel movements are allowed (i.e. no "L" arms). Front wheels may rotate independently.
- 2f. Guide: One guide flag centered on the longitudinal axis of the chassis (i.e. no sideways "free float" or offset) is allowed.

### **3. Motor rule:**

- 3a. Motor type: Unopened, unmodified TSR D3 or Falcon VII motor.

### **4. Body rules**

4a. Body style: Bodies must be originals or exact reproductions of pre-1970 inline Open-Wheel F1 or Indy racing bodies

Bodies must be presentably painted and carry at least three racing numbers, one on each side, and one on the front. No part of the chassis, at the exception of scale-appearing suspension or other cosmetic devices may be seen when looking on the car from above.

4b. No air-control devices may be added to the bodies.

4c. Cockpit: Cockpits must be fully opened following the natural line of the windscreen and body. A separate 3-D driver figure painted in at least 2 colors must be fitted.

Race format in both classes will be 3 minute heats with a ladder finals.

## **Tottenham F1/Indy rules**

**BODIES:** Any non side tanked pre 1972 F1 or Indy cars can be used [ cigar shape], they must be painted in the original colours as per the prototype and carry race numbers in the correct position as the original, a well detailed 3 dimensional painted interior [ as period as possible ] to be fitted. Any weird and wonderful odd-ball original cars that would have raced up to that date regardless of what chassis configuration will be eligible, but must proven to be original.

### **CHASSIS:**

[A] Any commercially available 1/24 pre 1972 inline chassis

[B] Any original scratch built 1/24 pre 1972 inline chassis

[C] Any scratch built copy of a 1/24 inline chassis of a type and design that might have run pre 1972 of brass or stainless steel and wire [ no spring steel except for guide tabs] in its construction and must use a "U" bracket on the drive end [ twin motors are OK as are 4WD ].

The chassis will have a Max width of 40 mm along its full length, bearings free choice.

**MOTOR:** Unopened, unmodified TSR D3 or Falcon VII motor.

### **WHEELS:**

**FRONTS** Min diameter is 19.05mm (3/4") Min width is 6.35mm (1/4")

**REARS** Min diameter 19.05mm (3/4) Max width is 19.05mm (3/4")

**CLEARANCES:** Max overall with is 83 mm , max chassis width is 40mm [ excluding body fixings] and ground clearance is 1.2mm (.062") under the complete chassis except for guide shoe.

### **OTHER:**

[A] No part of the chassis or guide must be visible when viewed from above

[B] Any wings that are fitted to the model must be in proportion and in the correct position as per the original prototype.

[ C ] Any axle type or size can be used, free choice.

Which rules you are running to must be declared at scrutineering, you cannot mix and match

## **1/24 KIT CAR CLASS**

Any 1/24 built hard bodied slot car kit manufactured before 1969.

Rear tyres Ortmann only.

Only guide and gears may be changed and then only with parts made before 1969.

Motor may changed but must be of the same type as original.