

14.0 Appendix C IC Circuit

14.1.4 The National series for 1/8th IC Circuit and 1/10th IC Circuit shall be 6 rounds and the best 4 to count as per general rules regarding points scoring.

14.2 1/8th IC Circuit –4 wheel drive

14.2.1 General Construction

- 14.2.1.1 Exhaust outlets must face horizontally or below.
- 14.2.1.2 The body and chassis must be securely joined at all times when the car is racing.
- 14.2.1.3 Cars must have a de-clutching device.
- 14.2.1.4 Cars must have operating brakes capable of stopping the car and holding the car motionless with the engine running.
- 14.2.1.5 Wheel nuts and /or axles may not protrude beyond the wheel.
- 14.2.1.6 Bumpers must be constructed so as to minimize injury that may result from being hit by a car.

14.2.2 Appearance

- 14.2.2.1 A car must be 1/8th scale character representation of a racing car.
- 14.2.2.2 All hardtop cars must have transparent windshields fitted. Side, and /or rear windows, if any, must be transparent or open.
- 14.2.2.3 A driver figure consisting of at least a driver's head shall be mounted in an appropriate position in open cockpit cars. The figure shall be realistic in appearance.
- 14.2.2.4 When initially entered in a meeting the body must be neatly finished and complete.
- 14.2.2.5 No portion of chassis, wheels, tires or equipment (bumper exempted) may extend beyond the body, except to the rear.
- 14.2.2.6 Cut Outs, one hole of max. 6.00 sq. cm for cooling is permitted. All parts of the vehicle must be covered, except: cooling head of engine, air filter, aerial, outlet pipe of muffler, fuel filler cap & rollover bar.

14.2.3 Measurements

- 14.2.3.1 The minimum dry weight is in accordance with EFRA rules, 2500 grams for 4wd and 2400 grams for 2wd Models.
- 14.2.3.2 Wheel rim diameter 54mm max., 44mm minimum or scale.

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- 14.2.3.3 Wheelbase – 267mm maximum
- 14.2.3.4 Overall Body width – 267mm maximum, measured on the top of the wing and the top of the sides. The lower sides will not be taken into account for technical inspection as long as they are not wider than 277mm. If the body is wider than on the lower sides the technical inspection has the right to take action with a first warning and when in second case with disqualification from the result.
- 14.2.3.5 Cut-outs – One hole of maximum size 6sq cm's is permissible in the front windscreen, A 10mm allowance is permissible around protrusions through the shell (engine, roll-over bar, etc.,)
- 14.2.3.6 Fuel tank – A 50mm diameter hole is allowed (Note that any of the above cut outs may overlap providing the maximum dimension is not exceeded beyond invisible allowance lines).
- 14.2.3.7 Bumper width – may extend 7mm beyond side of body or to 267mm whichever is less.
- 14.2.3.8 Wing – Width 267mm max. Chord 77mm max.
- 14.2.3.9 Spoilers – Max. spoiler height 39mm. Max. spoiler length 51mm.
- 14.2.3.10 Max. Height 170mm (inc. added parts/wing) measured with 10mm spacers under the chassis.

Dams – Max. dam length 153mm. Max. height 39mm. These dimensions can be exceeded if they are within 10% of scale.

Note: Spoiler and dam dimensions include moulded in portions of the body.

The Max. Height of the wing trailing edge is 190mm with side dams not exceeding more than 13mm above, making the maximum height of any part of the aerofoil 202mm.

14.2.4 Tires

- 14.2.4.1 Tread width front 25mm, rear 64mm maximum. Maximum diameter front 60mm, rear 65mm
- 14.2.4.2 TREATMENT OF THE TIRES WITH ADDITIVES IS PROHIBITED.
- 14.2.4.3 Tires must be black in appearance and may only comprise a maximum of four rings of rubber for rears and three rings maximum for fronts.

14.2.5 Engines

- 14.2.5.1 The maximum engine displacement is 3.5cc.
- 14.2.5.2 The maximum percentage of Nitro methane allowed in fuel is 25% by volume.
- 14.2.5.3 The fuel tank including filter and fuel pipes up to the carburettor may hold a maximum of 125ml. No loose inserts allowed in tank.
- 14.2.5.4 INS boxes should be fitted to the carburettor conforming to EFRA specification.
- 14.2.5.5 The engine must be fitted with an adequate exhaust silencing system which complies with the following specification:-
- 14.2.5.6 The exhaust must consist of three interconnecting chambers, the exhaust pipe from the final chamber shall be 15mm minimum length with a maximum 8mm hole.
- 14.2.5.7 There shall be no direct exhaust outlet from the intermediate chamber other than a single fuel pressurization nipple which must be connected to the fuel tank at all times.
- 14.2.5.8 The exhaust pipe should be of a 2 or 3 chamber construction and be stamped with a EFRA homologation number engraved on the sidewall of the muffler.

14.2.6 Heats & Finals

- 14.2.6.1 All heats shall be 5 minutes in duration plus the time to finish last lap.
- 14.2.6.2 Finals shall be a line start with each car spaced 5 meters on a le mans style grid.
- 14.2.6.3 The finals will be run to a Christmas tree format with the top four fastest qualifying directly into the A final to be joined by the top 3 finishers from the B finals etc.. Christmas tree format only to apply when there are more than 20 drivers qualified for the Finals.
- 14.2.6.4 The A final shall be of 30 minutes duration, B final shall be 15 minutes duration and all subsequent finals should be of 10 minutes duration. At the race directors discretion these times may be altered.
- 14.2.6.5 Cars must be lifted out of the pit lane when being refuelled.