SPECIFICATIONS OF AUTOMOBILES

All vehicles in races and other speed events must comply with the General Requirements of Automobiles (see "General Requirements for Cars and Drivers" in the CAMS Manual of Motor Sport).

Ist Category – Racing Cars
Australian Formula 2

Category Association:

Australian Formula 2 Club Inc.
11 South Street, Medowie, NSW 2318
Secretary: Mr Kevin Lewis
Telephone: (02) 4981 8428

PREAMBLE

Australian Formula 2, is a single seat vehicle for competition in speed events and races on sealed roads. Vehicles may have been constructed within Australia, or manufactured outside of Australia and designated by the manufacturer to have been constructed prior to 1 January, 1995.

Formula 2 vehicles are prototype in nature and are free in their concept and construction other than as specified below.

1. ENGINES

(i) The engine block and engine head casting, matching completed, must be those of a car engine equipping a car model of which at least 2500 units have been produced in 12 consecutive months.

The engine must be of reciprocating piston configuration with no more than two valves per cylinder and have not less than 1100cc nor more than 1600cc swept volume, which capacity may be obtained by alteration of the bore and/or stroke.

(ii) The engine block including cylinders (if removable), and cylinder-head castings with machining completed, must be from the same manufacturer but not necessarily the same model and subject to prohibitions listed below. These items may be modified provided such modification is effected only by the removal of metal except as is necessary to achieve the permitted capacity as in 1.1(i) above.

(iii) All reciprocating and rotating parts are free.

(iv) Induction shall be by means of carburettor/s normally aspirated. Supercharging and/or fuel injection are prohibited.

(v) It is prohibited to use any engine with more than one overhead camshaft (ie, with more than one overhead camshaft operating the valves on any cylinder).

(vi) Each engine must be fitted with a functioning engine speed limiter, approved by CAMS and set so that the maximum engine speed is 8500rpm.

2. TRANSMISSION

2.1 The maximum number of forward gears is five. An operable reverse gear must be fitted. The differential is free.

3. CLUTCH

Carbon fibre clutches are prohibited.

4. BRAKES

Carbon fibre discs are prohibited.

5. TYRES

Tyres are free, unless otherwise specified in event Supplementary or Series Regulations.

Throughout the meeting it is prohibited to use any device to artificially pre-heat the tyres/wheels or use any form of chemical treatment.

6. COACHWORK

6.1 Between the rear edge of the complete front wheels and the front edge of the complete rear wheels, all sprung parts of the car visible from directly beneath the car must lie on one plane within a tolerance of 5mm. All these

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parts must produce a uniform, solid, hard, rigid (no degree of freedom in relation to the body/chassis unit), impervious surface, under all circumstances. The periphery of the surface formed by these parts may be curved upwards with a maximum radius of 50mm.

Otherwise, the coachwork:

- must comply with the rules relating to coachwork (see Schedule F – refer "General Requirements for Cars and Drivers" in the CAMS Manual of Motor Sport);
- must be rigidly secured to the entirely sprung part of the car (rigidly secured means not having any degree of freedom);
- must remain immobile in relation to the sprung part of the car.

Any device or construction that is designed to bridge the gap between the sprung part of the car and ground is prohibited under all circumstances.

No part having any aerodynamic influence, nor any part of the coachwork may under any circumstances be located below the geometrical plane generated by the plane surface provide for by this regulation.

Year of manufacture: Any chassis manufactured outside Australia must be a model designated by the manufacturer to be have been constructed prior to 1 January, 1995.

7. RACING WEIGHT

7.1 Racing Weight: All cars manufactured outside Australia on or after 1 January 1988 and before January 1995 or manufactured within Australia on or after 1994 must have a racing weight of not less than 530kg.

All cars manufactured outside Australian before January 1988 or manufactured within Australia before January 1994 must have a racing weight of not less than 510kg.

7.2 Ballast: It is permitted to complete the weight of the car by one or several ballast on condition that they are strong and unitary blocks, fixed by means of tools with the possibility to fix seals, placed on the floor of the cockpit visible and sealed by the scrutineers.

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