



## Victorian SuperSprint Championship Technical Regulations

### 1 PREAMBLE

These Technical Regulations have been developed with a view of providing a framework that enables vehicles to compete on circuits in SuperSprint and SuperSprint Championships in Victoria.

The organisers recognise that the majority of vehicles competing in SuperSprint events are vehicles originally intended for road use. They also recognise that vehicles intended to comply with Racing, Rally or Speed categories as defined in the Manual of Motorsport are also used in SuperSprint events. These vehicles may not always comply with the current Supersprint Regulations as they may be from an obsolete category or are modified beyond the current regulations. Such vehicles are still eligible to compete in Supersprint events.

Providing the Vehicle complies with the General Requirements of Section 6-2 to 6-4 of the CAMS Manual and any specific requirement of these Technical Regulations, it will be eligible. Vehicles that comply with the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>, 5<sup>th</sup> and 6<sup>th</sup> categories specified in the CAMS Manual and are not capable of road registration, are still eligible.

These Regulations apply solely to the conduct of the Victorian SuperSprint Championship ("Championship" or "VSSC").

These Regulations may make reference to & are written in conjunction with the current CAMS Manual of Motor Sport.

### 2 GENERAL

- 1) These Regulations shall apply to each Championship Round.
- 2) Notwithstanding any specifications detailed within these Regulations, each vehicle must comply with Schedules A and B and as required C of the General Requirements of Automobiles of the CAMS Manual of Motor Sport.
- 3) Each competitor who has entered a vehicle subject to a CAMS Log Book must produce the Log Book as required in the Supplementary Regulations for the relevant Championship Round(s). Vehicles which do not hold a CAMS log book are eligible to compete in the VSSC.
- 4) It is the responsibility of each entrant to nominate for the correct classification, by Category and class, of a vehicle entered in any Championship Round. The VSSC Series Eligibility Officer has on inspection of the vehicle, the power to change the nominated classification.
- 5) The fitment of Safety Cage Structures (SCS) as per Schedule J of the CAMS Manual of Motor Sport is strongly recommended.
- 6) Fuel: Only commercial fuel (as defined by Schedule G of the Cams Manual of Motor Sport) may be used.

### 3 CATEGORIES

Vehicles competing in a Round of the Championship shall be classified by Category. The Categories are:

1) Category: 1	Standard:	Un-Modified Production Vehicles
2) Category: 2	Modified:	Modified Production Vehicles
3) Category: 3	Competition Closed	Closed racing car
4) Category: 4	4WD:	4WD vehicles
5) Category: 5	Sports Cars Open/Closed	Category 2 sports cars
6) Category: 6:	Competition Open	Open Wheel and Sports Racing Cars.

#### 4 CLASSES

- 1) Vehicles in each Category specified above shall be separated into classes determined by their effective engine capacity.
- 2) Vehicles with forced induction (Supercharging or Turbo Charging) Rotary Engines, Diesel and Hybrid engines shall be subject to a multiplication factor to determine their class. Multiplication factors are listed below.
- 3) Multiplication Factors
  - a) Rotary engines: x 1.8
  - b) Rotary & Forced induction engines: x 3.06
  - c) Forced induction spark ignition: x 1.7
  - d) Forced induction compression ignition: x 1.5
  - e) Compression ignition (naturally aspirated),: x 0.7
  - f) Hybrid compensation factor: x 0.7

Each vehicle which requires a multiplication factor to be applied to the swept volume of its engine shall be placed in the relevant class in their Category once the equivalent capacity has been calculated.

#### 5 CATEGORIES and CLASSES:

The classes for each type of vehicle competing in any Championship Round in the Championship shall be as set out below:

Category 1	Category 2	Category 3	Category 4	Category 5	Category 6
Standard	Modified	Competition Closed	4WD	Sports Cars Open/Closed	Competition Open
A < 1600 cc B 1601-2000 C 2001-4000 D 4001->	E < 1600cc F 1601-2000 G 2001-4000 H 4001->	J < 2000cc K 2001-4000 L 4001->	M < 3500 cc N 3501->	O < 1600 P 1601-2000 Q 2001-4000 R 4001 >	S < 1600 T 1601-2000 U 2001-4000 V 4001->

#### 6 DEFINITIONS

When used in these Regulations, the words and phrases set out below shall have the same meanings as contained in the CAMS Manual save for:

- 1) 'Production Car' means a vehicle of which 200 or more identical versions ('model(s)') have been manufactured for use on public roads and made available for sale to the public. A vehicle which has a different badge for variant markets, but is actually the same car can be accepted if documented proof is provided. Vehicles of any Category that complies with the definition of "Production Car" and meets the specifications of the 2<sup>nd</sup>, 3<sup>rd</sup> or 6<sup>th</sup> Category vehicle specifications in the CAMS Manual are acceptable.
- 2) Categories 3, 5, & 6 are for vehicles which comply with the 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> 5<sup>th</sup> or 6<sup>th</sup> Category vehicle specifications in the CAMS Manual, and/or variants of such vehicles. These cars are designed specifically for competition purposes or are modern interpretations of an original classic competition vehicle. (Replicar)
- 3) 'Road Tyres' means tyres which are marked by the tyre manufacturer as being legal for road use and when fitted to a Car do not render the vehicle unsuitable for use on a public road in Australia. Acceptable tyres include those listed in the 'Production Car Tyre List' as per Schedule E of the CAMS Manual. Tyres meeting all requirements except listing in the CAMS manual may be accepted following provision of a letter of compliance from the Supplier.
- 4) Excluded specifically as 'Road Tyres' are:
  - a) racing slicks;
  - b) any tyre marked "for racing use only", or words to that effect;
  - c) any tyre where the manufacturer and/or retailer has stated in writing the tyre is:
    - 1) suitable for racing use only, and/or
    - 2) suitable for use on a race circuit only, and/or
    - 3) is not suitable for use on a public road or highway

## VEHICLE CATEGORY REGULATIONS

### 7 Category 1: Standard: Un-Modified Production Vehicles

- 7.1 Vehicles in this category must be mass produced automobiles, and it must be registered or permitted to drive on a public road.
- 7.2 To be accepted a vehicle must have at least two front seats, mudguards which cover the full-width of the tyre on each wheel and operating head and tail lamps.
- 7.3 Shock absorbers and springs are free, original number and location must be retained. Stabiliser bars are free. Ground clearance must be at least 100mm excluding the exhaust.
- 7.4 Only OEM ECU's as supplied by the original manufacturer for that make and model of vehicle can be used.
- 7.5 Brake pad material is free
- 7.6 Clutch is free
- 7.7 Safety Cages are permitted and encouraged. Seats, door trims & headlining must be retained, unless required to be removed to allow the fitment of a Safety Cage.
- 7.8 Exhaust is free, but must be road registrable and not exceed track noise limits of the round.
- 7.9 Inlet manifold and the number of carburettor(s)/fuel injectors must remain as supplied by the manufacturer for that particular model. Carburettors may be re-jetted.
- 7.10 Air filters are free
- 7.11 Thermostatic fans may be added
- 7.12 Any type of wheel is permitted e.g. Mag wheels. Wheel diameter and width may be altered from standard as supplied on that make and model of car by an increase of 1 inch in diameter and width.
- 7.13 Only Aerodynamic aids as sold by the manufacturer are permitted.
- 7.14 All original window glass must be retained. The use of Perspex or polycarbonate materials is prohibited.
- 7.15 The engine must be the same identifiable block and cylinder head(s) or rotor housings, as supplied by the original manufacturer for that particular model. Internal modifications are free.
- 7.16 Items such as gauges, seats, mudflaps etc. are free unless otherwise specifically prohibited.
- 7.17 Turbochargers, superchargers and similar forced induction devices are not permitted unless a factory fitment. Engine capacity where allowed, will be subject to a multiplication factor as specified in section 4.3)
- 7.18 Only LSD's as supplied by the manufacturer are permitted. After market LSD's are prohibited.
- 7.19 The fitment of a full harness is permitted and encouraged.
- 7.20 The fitment of a tail shaft strap is permitted and encouraged.
- 7.21 Suspension Control arms and mounting points must be as originally fitted. No additional bars can be added. Suspension bushes may be rubber or polyurethane.

## **8 Category 2: Modified Production Vehicles**

- 8.1 Vehicles in this category must be derived from mass produced automobiles.
- 8.2 To be eligible a vehicle must have at least two front seats, mudguards which cover the full-width of the tyre on each wheel and head and tail lamps.
- 8.3 It is strongly recommended that each vehicle in this Category be fitted with an approved SCS which complies with Appendix J of the CAMS Manual.

All the requirements of 7 above must be met but with the following modifications.

- 8.4 Exterior panels except those listed under 8.2.2 below must be of original material and it is permitted to strengthen the body shell by seam welding within the limits specified for Group 3J.
- 8.5 A maximum of two external panels, excluding mudguards, may be replaced with alternative materials.
- 8.6 Wheel arch flares may be added, or reworking of each mudguard is allowed up to 50mm per side. Each tyre must be covered by coachwork in plain view. Internal panels must not be altered except for removal of flanges.
- 8.7 Brakes are free
- 8.8 All lights must be retained and be in an operable condition.
- 8.9 Any engine from the same manufacturer that can be contained within the original un-modified engine bay and firewall can be fitted.
- 8.10 Induction is free.
- 8.11 Transmission is free.
- 8.12 Fuel pumps/filters and fuel tanks are free.
- 8.13 Any form of limited slip differential may be fitted. Locked differential is permitted
- 8.14 Computer controlled engine and /or Transmission functions may be added or modified
- 8.15 Suspension modifications are permitted
- 8.17 Only Road Tyres are permitted. (refer 6.3)
- 8.17 In all cases, the correctly inflated tyre shall not foul the body, suspension or steering at any point in the full movement of these components.
- 8.18 The aspect ratio of each tyre is free.

## **9 Category 3 and 6: Competition Closed / Competition Open**

- 9.1 Vehicles in category 3 are more highly modified than those permitted in Category 1 & 2 and must comply with the regulations in the CAMS Manual of Motorsport for category 3 vehicles. Any vehicle which complies with category 1 or category 2 but has slick tyres will also be classified in this category.
- 9.2 Vehicles in category 6 will comply with the regulations in the CAMS Manual of Motorsport for category 1 plus Radical Race Cars and category 6 Sports Cars.
- 9.3 All vehicles in these classes should have SCS protection which complies with Schedule J of the CAMS Manual of Motorsport.

## **10 Category 4: 4wd cars.**

- 10.1 All 4wd vehicles, production and non production will compete in this category.

**11 Category 5: Sports cars open / closed.**

- 11.1 This category is for all vehicle which comply with the rules for 2<sup>nd</sup> category Sports Cars as described in the CAMS Manual of Motorsport, except where those cars comply with Category 1 (Standard) classes A & B in these regulations.
- 11.2 All vehicles in these classes should have SCS protection which complies with Schedule J of the CAMS Manual of Motorsport.