



**CAMS Victorian SuperSprint  
Championship  
Technical Regulations**

**DRAFT 2017 v4.0**

**VEHICLES.**

The Championship will cater for automobiles which comply with Schedules A and B ( and C as required) as specified in General Requirements for Cars and Drivers in the current CAMS Manual of Motor Sport. Each automobile competing for the outright Championship must be the subject of a CAMS Log Book with the exception of those that are currently road registered in a State or Territory within the Commonwealth of Australia, and fulfil the Category A specifications. **Vehicles from ALL eligible Log-Booked Categories are invited**, however Competitors will be classified in one of the following classes. At the sole discretion of the Victorian Sprint Advisory Panel vehicles that are Road Registered may be permitted to compete in VSSC Category K.

<b>Category A – Road Registered</b>		<b>Category B – Modified Production Cars</b>	
1	0-1600cc	1	0-1600cc
2	1601-2000cc	2	1601-2000cc
3	2001-4000cc	3	2001-4000cc
4	4001cc & over	4	4001cc & over
<b>Category C – Modified Sedans</b>		<b>Category. D - Production Sports Cars (Group 2B &amp; 2F)</b>	
1	0-1600cc	1	0-1600cc
2	1601-2000cc	2	1601-2000cc
3	2001-4000cc	3	2001-4000cc
4	4001cc & over	4	4001cc & over
<b>Category .E - Race, Clubman, Sports Racers &amp; SuperSports (Group 1, 2A &amp; 6SR)</b>		<b>Category. G - Historic Sports &amp; Touring</b>	
1	Formula Vee	1	0-2000
2	Clubman, Kit Cars & Formula Fords	2	2001cc & over
3	Racing, Sports Racing & SportsRacers up to 2000cc		
4	Racing, Sports Racing & SportsRacers 2000cc and over		
<b>Category J – Non-LogBooked</b>		<b>Category K - Open</b>	
1	0-1600cc	1	0-1600cc
2	1601-2000cc	2	1601-2000cc
3	2001-4000cc	3	2001-4000cc
6	4001cc & over	4	4001cc & over

## Preamble

1. Provision of separate classes, including subdivision of the classes listed, is dependent upon sufficient entries being received in that class. **Some Specific vehicles may not be able to participate at all Championship Rounds due to restrictions at the venue.**
2. There will also be allowance for cars which are not road registered or the subject of a CAMS Log Book to compete. These vehicles will compete only in a Non Log Booked Class.
3. Any vehicle found to be non-compliant with its Entered class (except for significant safety issues) shall be allowed to participate in any event associated with the Championship, however they will be classified in Non Log booked or Open classes.
4. A vehicle with forced induction (Supercharging or Turbo Charging) Rotary Engines, Diesel or Hybrid engine shall be subject to a multiplication factor to determine its Effective Capacity. As per NCR 13 and The Classification of Automobiles

### **Multiplication Factors**

- a) Rotary engines: x 1.8
- b) Rotary & Forced induction engines: x 3.06
- c) Spark ignition, Forced induction: x 1.7
- d) Compression ignition, Forced induction: x 1.5

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 effective capacity has been calculated.

## General Regulations

1. These Regulations shall apply to each State 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. **Log Book:** Each competitor who has entered a vehicle subject of a CAMS Log Book must produce the Log Book as required by the Supplementary Regulations for each Championship Round. Likewise current Civil Registration Documents shall be presented.
4. **Eligibility:** It is the responsibility of each entrant to nominate for the correct classification, by 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. **Roll Over Protection:** The fitment of Safety Cage Structures (SCS) as per Schedule J of the CAMS Manual of Motor Sport is strongly recommended for non log booked vehicles
6. **Fuel:** Only commercial fuel (as defined by Schedule G of the Cams Manual of Motor Sport) may be used.
7. **Tyres:** Except where specifically stated in the vehicle's Category regulations, only "Road Tyres" may be used in the Championship. A vehicle which is entered in a category recognised in the CAMS Manual shall use only tyres compliant with those category regulations.

"Road Tyre" means a tyre which is marked by the tyre manufacturer as being legal for road use and which when fitted to a Vehicle do not render the vehicle unsuitable for use on a public road in Australia. Acceptable tires include those listed in the 'Production Car Tyre List' as per Schedule E of the CAMS Manual.

### **Excluded specifically as 'Road Tires' 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) not suitable for use on a public road or highway

### **A – Road Registered**

Vehicle which is currently registered and which complies with the VSSC Category A Specifications. Non Compliant vehicles will be moved to Category K. Proof of current registration is required

### **B – Modified Production Cars**

A Vehicle which complies with the Specifications of Group 3J Improved Production apart from a variation in Class Capacity Cutoffs. **A Non Compliant vehicle will be reclassified to Category K.**

### **C - Modified Sedans**

A Vehicle which complies with the Specifications of Group 3D Sports Sedans apart from a variation in Class Capacity Cutoffs. **A Non Compliant vehicle will be reclassified to Category K.**

### **D - Production Sports Cars (Group 2B & 2F)**

A Sports Car which is the subject of a current Log Book conforms to the ProdSports Category specification and is included in Eligible Vehicles List.

### **E - Clubman, Race, Sports Racers, 2A Sports & SuperSports (Groups 1, 2 & 6SR)**

A Clubman, Kit Car or Replica (whether Road Registered or not) fitted with Race Tyres, Racing Cars, Sports Racing Car or Sports Racers or as classified by the Victorian Sprint Advisory Panel.

**Class 1** A Vehicle defined as a Formula Vee in the CAMS Manual

**Class 2** Clubman, Kit Car or Replica (whether Road Registered or not) using Race Tyres; and vehicle compliant with the Formula Ford or Formula Ford 1600 technical regulations in the current CAMS Manual.

**Class 3** A Car determined to be eligible to compete in Category E by the Victorian Supersprint Panel, 2A Sports Cars, Racing Cars, Sports Racing Cars and Sports Racers with an engine capacity up to and including 2000cc.

**Class 4** A Car determined to be eligible to compete in Category E by the Victorian Sprint Advisory Panel, 2A Sports Cars, Racing Cars, Sports Racing Cars or Sports Racers with an engine capacity 2001cc or greater

### **G - Historic Sports & Touring**

A Log-booked Vehicle which fulfills the Specifications in Category 5 Historic Cars of the current CAMS Manual of Motorsport.

### **J – Non-Log-booked**

A Road Registered vehicle which is not eligible for Category A, or which is neither Road Registered nor the subject of a Log-Book. Cars in this category will not be eligible for Outright or Overall awards.

### **K - Open Category**

A vehicle which is the subject of a Log-Book but which is not eligible for any other Category. This could be due to capacity or other reasons. This class will include vehicles from Category 7, Time Attack and may include individual Road Registered Cars at the VSAP's discretion. Tyres marked as Racing Only are permitted for a particular Log Booked car only at the sole discretion of the Victorian Sprint Advisory Panel.

## Category A Road Registered Classes:

- I. To be eligible for entry in a Road Registered Class the vehicle must hold current registration with a State or Territory Traffic Authority for use on public roads in Australia. Vehicles with "Club" Permits issued by the State or Territory Traffic Authority shall also be considered to be registered for all purposes described by these and any other CAMS regulations relevant to this series.
- II. 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, tail and stop lamps.
- III. 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.
- IV. Only OEM ECU's as supplied by the original manufacturer for that make and model of vehicle can be used.
- V. Brake pad material is free
- VI. Clutch is free Safety Cages are permitted and encouraged. All interior trim must be retained in its original position. Rear seats may only be removed to allow the fitment of a Safety Cage.
- VII. Exhaust is free, but must be road registrable and not exceed track noise limits of the round.
- VIII. Inlet manifold and the number of carburettor(s)/fuel injectors must remain as supplied by the original manufacturer for that particular model. Carburettors may be re-jetted or needled.
- IX. Air filters are free
- X. Thermostatic fans may be added
- XI. Road wheels may be replaced by a different type or style 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. Tyre sizes must adhere to manufacturers' original specifications in respect to aspect ratio or as close thereto as commercially available.
- XII. All wheels and tyres must comply with Schedule E of the CAMS Manual.
- XIII. Only Aerodynamic aids as sold by the original manufacturer for that make and model are permitted.
- XIV. All original window glass & mechanism must be retained. The use of Perspex or polycarbonate materials is prohibited.
- XV. The engine must use a cylinder block and head/s or rotor housings which are identical with those supplied by the original manufacturer for that particular model. Internal modifications are free.
- XVI. Items such as gauges, seats, mudflaps etc. are free unless otherwise specifically prohibited.
- XVII. Forced Induction (as per NCR 13(ii)) is not permitted unless supplied by the original manufacturer for that particular model. Effective engine capacity shall be determined in accordance with NCR 13
- XVIII. Limited Slip Differentials (LSD) are not permitted unless supplied by the original manufacturer for that particular model
- XIX. The fitment of a full harness is permitted and encouraged.
- XX. The fitment of a tail shaft strap is permitted and encouraged.
- XXI. Suspension Control arms and mounting points must be as originally fitted. No additional bars may be added. Suspension bushes may be rubber or polyurethane.

## Category B

### I. Capacity

A maximum capacity of 6000cc shall apply to all vehicles, save where a vehicle has a standard capacity above that limit whereupon it may retain its original capacity plus 2%. Eligibility for vehicles with engine capacity greater than 6000cc is specific to a manufacturer's year/model combination, and the vehicle presented for competition must maintain the manufacturer's engine, driveline and chassis/monocoque design. Non Compliant vehicles will be moved to Category K (Open)

### II. Supercharging

Supercharging is permitted under the following conditions

- A. The supercharger or turbocharger is recognised as standard production for the model of the vehicle
  - 1. EMS Modifications have not been made, and
  - 2. the supercharger or turbocharger has not been modified in any way, and
  - 3. the maximum inlet pressure and engine static compression ratio DOES remain in accordance with the manufacturer's specifications for the vehicle, and
  - 4. the swept volume of the vehicle's engine is not varied from standard by more than 2%
  
- B. The supercharger or turbocharger is NOT standard production for the model of the vehicle
  - 1. a CAMS Approved Boost Monitor or CAMS Approved Restrictor must be installed.

## Category C

### III. Capacity

A maximum capacity of 6000cc shall apply to all vehicles, save where a vehicle has a standard capacity above that limit whereupon it may retain its original capacity plus 2%. Eligibility for vehicles with engine capacity greater than 6000cc is specific to a manufacturer's year/model combination, and the vehicle presented for competition must maintain the manufacturer's engine, driveline and chassis/monocoque design. Non Compliant vehicles will be moved to Category K (Open)

### IV. Supercharging

Supercharging is permitted under the following conditions

- A. The supercharger or turbocharger is recognised as standard production for the model of the vehicle
  - 1. EMS Modifications have not been made, and
  - 2. the supercharger or turbocharger has not been modified in any way, and
  - 3. the maximum inlet pressure and engine static compression ratio DOES remain in accordance with the manufacturer's specifications for the vehicle, and
  - 4. the swept volume of the vehicle's engine is not varied from standard by more than 2%
  
- B. The supercharger or turbocharger is NOT standard production for the model of the vehicle
  - 1. a CAMS Approved Boost Monitor or CAMS Approved Restrictor must be installed.

## Category E Clubman, Race, Sports Racers & SuperSports

- I. This category is intended for:
  - A. all Clubman, Kit Cars and Replicas (whether Road Registered or not) using Race Tyres,
  - B. Racing Cars,
  - C. Sports Racing Cars,
  - D. Sports Racers
  - E. and such other Log-booked vehicles, without limitation, built specifically for racing and/or speed events that the Victorian Sprint Advisory Panel may determine, in its absolute discretion, are eligible to compete as Category E vehicles.
- II. Go Karts, other vehicles of a similar size and structure and any vehicle that the Vic Supersprint Panel determines to be unsafe for visibility reasons to compete in a multi car event are specifically excluded from this Type.
- III. All vehicles in the Type must comply with the General Requirements of Automobiles Schedules A & B, and where applicable C, contained in the CAMS Manual AND, with the exception of any vehicle determined by the Vic Supersprint Panel to be eligible to compete as a Category E vehicle pursuant to Category E Vehicle Regulation I.A.E) above
  - A. **Racing Cars** must conform to the 1st Category – Racing Cars specifications contained in the CAMS Manual and to one of the Formulas from time to time that are specified in the 1st Category: Racing Cars as referred to in the CAMS Manual and as may be applicable to the vehicle,
  - B. **Sports Racing Cars** must conform to the specifications contained in one of the Groups from time to time that are specified in the 2nd Category: Sports Cars as referred to in the CAMS Manual and as may be applicable to the vehicle,
  - C. **Sports Racers** must conform to the specifications contained in Group 6SR: Sports Racers specified in the 6th Category: Other Vehicles as referred to in the CAMS Manual.
- IV. Any vehicle that is classified as either a Category E Class 1 or 2 vehicle pursuant to these regulations shall be eligible to be entered in any supersprint as a Category E Class 3 or 4 vehicle provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- V. Please obtain a copy of the CAMS Manual for full 1st Category: Racing Cars, 2nd Category: Sports Cars and 6th Category: Other Vehicles specifications.
- VI. All vehicles that are not Road Registered must be issued with a CAMS Log-Book, which must be available for inspection when the vehicle is presented for scrutineering. If a vehicle is Road Registered, then the Registration Papers for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for scrutineering
- VII. Vehicles in this Category are permitted to use the Tyres, specified in their Category in the CAMS Manual of Motorsport, or tyres permitted in Schedule E Wheels & Tyres.
- VIII. Supercharging is not permitted unless fitted as standard to the particular model.