

**VICTORIAN STATE SUPER SPRINT**

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 Motorsport Australia Manual.

Each automobile competing for the outright Championship must be the subject of a Motorsport Australia Logbook except for those that are currently road registered or permitted in a State or Territory within the Commonwealth of Australia and fulfill 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 – Racing Cars, Clubman, Sports Racers &amp; Super Sports (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 & Sports Racers upto 2000cc		
4	Racing, Sports Racing & Sports Racers 2000cc and over		
<b>Category J – Non Log-Booked</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, may be dependent upon sufficient entries being received in that class. **Some Specific vehicles (open-wheeled) may not be able to participate at all Championship Rounds due to restrictions at the venue (Sandown).**
2. There will also be allowance for cars which are not road registered or the subject of a Motorsport Australia Logbook 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 may be classified in Non-Log-Booked or Open classes.
4. A vehicle with *Forced Induction* (Supercharged or Turbo Charged) 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 Round of the Victorian State Supersprint Championship.
  2. Notwithstanding any specifications detailed within these Regulations, each vehicle must comply with Schedules A and B and as required, for Race log-booked vehicles, C of the General Requirements of Automobiles of the Motorsport Australia Manual.
  3. **Logbook:** Each competitor who has entered a vehicle subject of a Motorsport Australia Logbook must produce the Log Book as required by the Supplementary Regulations for each Championship Round. Likewise, current Civil Registration Documents or Permits shall be presented.
  4. **Clothing: Must** Comply with Schedule D of the current Motorsport Australia Manual of Motor Sport
  5. **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.
  6. **Roll Over Protection:** The fitment of Safety Cage Structures (SCS) as per Schedule J of the Motorsport Australia Manual of Motor Sport is strongly recommended for non log booked vehicles
  7. **Fuel:** Only commercial fuel (as defined by Schedule G of the Motorsport Australia Manual) may be used.
  8. **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 Motorsport Australia 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 tyres include particular models of those listed in the 'Production Car Tyre List' as per Schedule E of the Motorsport Australia Manual.

### 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) not suitable for use on a public road or highway

## Categories and Classes

### Category A – Road Registered

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

### Category B – Modified Production Cars

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

### Category C - Modified Sedans

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

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

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

**Category E – Racing, Clubman, Sports Racers, 2A Sports & Super Sports (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 compliant with the Formula Vee Technical Regulations

**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 Motorsport Australia Manual.

**Class 3** Vehicle 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** Vehicle 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

**Category G - Historic Sports & Touring**

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

**Category 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.

**Category K - Open**

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 be the subject of current registration with a State or Territory Traffic Authority for use on public roads in Australia. Vehicles with "Club" Permits issued by a State or Territory Traffic Authority shall also be considered to be registered for all purposes described by these and any other Motorsport Australia 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 are acceptable.
- v. Brake pad material is free.
- vi. Clutch is free.
- vii. 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.
- viii. Exhaust is free but must be road registrable and not exceed track noise limits of the round.
- ix. Inlet manifold and the number and type of carburettor(s)/fuel injectors must remain as supplied by the original manufacturer for that particular model. Carburetors may be re-jetted or needed.
- x. Air filters are free.
- xi. Thermostatic or manually switched fans may be added.
- xii. 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.
- xiii. All wheels and tyres must comply with Schedule E of the Motorsport Australia Manual. Vehicles may use non OEM tyres from the Schedule E Production Tyre list but may be then moved to Category K, depending on the particular manufacturer and tyre variant.
- xiv. Only Aerodynamic aids sold by the original manufacturer for that make and model are permitted.
- xv. All original window glass & mechanism must be retained. The use of Perspex or polycarbonate materials is prohibited.
- xvi. 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.
- xvii. Items such as gauges, seats, mud-flaps etc. are free unless otherwise specifically prohibited.
- xviii. "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
- xix. Limited Slip, Locked or Plated Differentials are not permitted unless supplied by the original manufacturer for that particular model.
- xx. The fitment of a full harness is permitted and encouraged.
- xxi. The fitment of a tail shaft strap is permitted and encouraged.
- xxii. 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 Modified Production

### I. Capacity

A maximum capacity of 6000cc shall apply to each vehicle, 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 manufacturers' engine, driveline and chassis/monocoque design. Non Compliant vehicles will be moved to Category K (Open)

### II. Forced Induction

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 Motorsport Australia Approved Boost Monitor or Motorsport Australia Approved Restrictor must be installed.

## Category C Modified Sedans

### III. Capacity

A maximum capacity of 6000cc shall apply to each vehicle, 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 manufacturers' engine, driveline and chassis/monocoque design. Non Compliant vehicles will be moved to Category K (Open)

### IV. Forced Induction

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 Motorsport Australia Approved Boost Monitor or Motorsport Australia Approved Restrictor must be installed.

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

- 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 Victorian Sprint Advisory Panel determines to be unsuitable to compete in a multi car event are specifically excluded from this Type.
- III. All vehicles in this Category must comply with the General Requirements of Automobiles Schedules A & B, and where applicable C, contained in the Motorsport Australia Manual AND, with the exception of any vehicle determined by the Victorian Sprint Advisory Panel to be eligible to compete as a Category E vehicle pursuant to Category E Vehicle Regulation I.A.E) above
  - A. **Each Racing Car** must conform to the 1st Category – Racing Cars specifications contained in the Motorsport Australia 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 Motorsport Australia Manual and as may be applicable to the vehicle,
  - B. **Each Sports Racing Car** 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 Motorsport Australia Manual and as may be applicable to the vehicle,
  - C. **Each Sports Racer** must conform to the specifications contained in Group 6SR: Sports Racers specified in the 6th Category: Other Vehicles as referred to in the Motorsport Australia 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 super sprint 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 Motorsport Australia Manual for full 1st Category: Racing Cars, 2nd Category: Sports Cars and 6th Category: Other Vehicles specifications.
- VI. Each vehicle which is not Road Registered must be the subject of a Motorsport Australia Logbook, which must be available for inspection when the vehicle is presented for Scrutiny. If a vehicle is Road Registered or Permitted, then the Registration Papers for that vehicle must be available for inspection by the Event Secretary and when the vehicle is presented for Scrutiny
- VII. A Vehicle in this Category are permitted to use the Tyres, specified in their Category in the Motorsport Australia Manual of Motorsport, or tyres permitted in Schedule E Wheels & Tyres.
- VIII. Supercharging is not permitted unless fitted as standard to the particular model.