



CAMS YEAR 2012 NSW SUPERSPRINT

VEHICLE TYPE REGULATIONS

INTRODUCTION

The NSW Supersprint Panel has developed the following Vehicle Type Regulations for all Supersprints in NSW, ranging from single club events through to State Championship events.

In these Regulations a reference to the CAMS Manual is a reference to the CAMS Manual of Motorsport then current as at 1 January, 2012.

Whilst there are six (6) Types identified, Clubs or Associations are welcome to run events with five or less Types, but they should understand that some vehicles might then not be able to run. As an example, the NSW Supersprint Championship currently runs Types 1, 2, 3, 4, 5, 6 and SV.

TYPES

In general, the Type rules are a combination of Circuit Racing Classes from the CAMS Manual (Types 3, 4 and 5) and categories to suit the more standard, road-registered cars used by newcomers to the sport. These categories are also designed to provide low-cost competition, a prime objective of Supersprints.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 2 -

The six Types are:

- Type 1 Unmodified Production Cars (excluding Four Wheel Drive Turbos, Clubmans, Kit Cars and Replicas), where the only freedoms relate to safety, engine reconditioning, tyres and some cosmetic items.
- Type 2 Modified Road-Registered Vehicles (excluding Clubmans, Kit Cars and Replicas), allowing originally available options and limited modifications to engines, suspension and tyres.
- Type 3 Competition vehicles based on Group 3J - Improved Production Cars rules as defined in the CAMS Manual. Minor additional freedoms are allowed to recognise that there will be some road-registered vehicles competing, that cannot meet full 3J rules.
- Type 4 Competition vehicles based on Group 3D - Sports Sedan rules as defined in the CAMS Manual. In addition, any vehicle that conforms to Type 1, 2, 3 or SV requirements, apart from Clubmans, Kit Cars and Replicas, shall be permitted to employ or use Race Tyres but if it does so it shall be classified as a Type 4 vehicle.
- Type 5 Clubmans, Kit Cars and Replicas (whether Road Registered or not) using Race Tyres, Racing Cars and Sports Racing Cars or as classified by the NSW Supersprint Panel.
- Type 6 Highly modified mass produced vehicles commonly known as "Time Attack" vehicles that are modified specifically for the performance of fast lap times and not for racing.
- Type SV Road registered vehicles with no limit on modifications.

MULTIPLICATION FACTORS FOR CAPACITY

For all Vehicle Types, capacity must be calculated on the following basis:

Rotary Engines Multiply displacement by 1.8

Forced Induction Multiply displacement by 1.7

Forced Induction Rotary Multiply displacement by 3.06

SUGGESTED CLASSES

TYPE 1

Class	Engine capacity
A	0 - 1600cc
B	1601 - 2000cc
C	2001 - 4000cc
D	4001cc & above

TYPE 2

Class	Engine capacity
A	0 - 1600cc
B	1601 - 2000cc
C	2001 - 4000cc
D	4001cc & above

TYPE 3

Class	Engine capacity
A	0 - 1600cc
B	1601 - 2000cc
C	2001 - 4000cc
D	4001cc – 6000cc

TYPE 4

Class	Engine capacity
A	0 - 1600cc
B	1600 - 2000cc
C	2001 - 4001cc
D	4001cc & above

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 4 -

TYPE 5

Class	Vehicle description
A	Vehicles defined as a Formula Vee in the CAMS Manual.
B	Clubmans, Kit Cars and Replicas (whether Road Registered or not) using Race Tyres and vehicles defined as a Formula Ford in the CAMS Manual.
C	Racing Cars and Sports Racing Cars with an engine capacity up to and including 2000cc.
D	Racing Cars and Sports Racing Cars with an engine capacity greater than 2000cc.

TYPE 6

Class	Vehicle description
A	Two Wheel Drive Vehicles that comply with the Clubspint Category Regulations contained in the Type 6 Vehicle Regulations.
B	Four Wheel Drive Vehicles that comply with the Clubspint Category Regulations contained in the Type 6 Vehicle Regulations.
C	Two Wheel Drive Vehicles that comply with the Open Category Regulations contained in the Type 6 Vehicle Regulations.
D	Four Wheel Drive Vehicles that comply with the Open Category Regulations contained in the Type 6 Vehicle Regulations.

TYPE SV

Class	Engine Capacity
A	0-1600cc
B	1601-2000cc
C	2001 - 4001cc
D	4001cc & above

DEFINITIONS

Where used in these Vehicle Regulations, the words and phrases set out in this Definitions section shall have the following meanings. Unless otherwise expressed or implied in these Vehicle Regulations, words and phrases shall have the same meanings as are contained in the CAMS Manual.

Aftermarket means non-factory parts, accessories and upgrades to a motor vehicle to assist in performance and, for the purposes of these Vehicle Regulations, includes Factory Extras.

CAMS Approved Boost Monitor means a boost monitor, as specified by CAMS and referred to in Rule 4.5 of the Group 3J - Improved Production Cars rules contained in the CAMS Manual.

CAMS Approved Restrictor means a restricting orifice as referred to and described in Rule 4.5 of the Group 3J - Improved Production Cars rules contained in the CAMS Manual.

Clubman means a lightweight two-seater open-top sports car generally based on the Lotus Seven, which may be either constructed with a chassis or be of monocoque construction with no limitation placed on the material used in the body shell. A Clubman shall include, but not be limited to, vehicles generally based on the Lotus Seven either manufactured by (either whole, in part or in kit form) or marketed as Lotus, PRB, Birkin, Amaroo, Westfield, Caterham, Elfin, Fraser and Leitch but shall exclude any Clubman Sports 1300 or any other vehicle described in Group 2C – Supersports (Group 2C Clubman Sports Cars) in the CAMS Manual.

Eligible Vehicle means a vehicle available for purchase from a major manufacturer, either currently or previously, as a new mass produced vehicle.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 6 -

EMS means the electronic device that controls various aspects of the operation of the vehicle's engine including but not limited to, the control of: -

- (a) the vehicle's ignition,
- (b) the vehicle's fuel supply and fuel injection, and
- (c) if the vehicle is turbocharged, the inlet pressure of the vehicle's turbo.

Such a device is variously known as the Engine Management System, the Engine Control Unit and/or the Engine Control Module.

EMS Modification means the modification of the EMS in any manner whatsoever and includes but is not limited to: -

- (a) modification (including reprogramming) of the software program incorporated in and forming part of the EMS, and/or
- (b) the replacement of the EMS or any part of it, and/or
- (c) the fitting of any additional component to the EMS, and/or
- (d) the "flashing", "chip tuning" and/or "remapping" of the EMS.

Factory Extra means any optional extra available for purchase at the time of the sale of the original vehicle but only if such optional extra was manufactured by or on behalf of the manufacturer of the vehicle and offered for sale by the seller of the new vehicle.

Four Wheel Drive Turbo means a Production Car with a forced induction engine where all four wheels are or can be driven and where such forced induction is achieved by the use of a turbocharger.

Four Wheel Drive Vehicle means a four wheel vehicle where all four wheels are or can be driven.

Improved Production Import means a race vehicle derived from a registered production automobile, with limited modifications to improve

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 7 -

performance and reliability in speed events on circuits or closed courses. To be eligible: -

- (a) the model of the vehicle that the race vehicle was derived from must be or have been a mass-produced touring car, the model of which is or has been commercially available to the general public outside of Australia as a new car, capable of registration for normal road use in the country of manufacture, through a manufacturer's dealer network, and
- (b) at least 200 examples of such model must have been registered for road use in the country of manufacture, and
- (c) at least 200 examples of such model must have been produced in a 12 consecutive month period.

Kit Car means a car produced by the assembly of a kit or set of components supplied by a supplier, which supplier may or may not be the manufacturer of some or all of the components supplied, where the assembly of the components is carried out by a party other than the supplier of the components.

Production Car means an a mass-produced automobile, either manufactured in Australia and/or overseas, the model of which is or has been commercially available to the general public in Australia and/or overseas as a new car through a manufacturer's dealer network, and

- (a) at least 200 examples of such model must have been registered for normal road use in Australia and/or in the country of manufacture, and
- (b) at least 200 examples of such model must have been produced in a 12 consecutive month period.

Race Tyres means and includes: -

- (a) Racing slicks and/or
- (b) any tyre marked "for racing use only", or words to that effect and/or
- (c) any tyre where the manufacturer has stated in writing that: -
 - (i) it is suitable for racing use only and/or

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 8 -

- (ii) it is suitable for use on the race track only and/or
- (iii) it is not suitable for use on a public road or highway.

Racing Car means an automobile offering accommodation for one person designed exclusively for races and speed events that complies with: -

- (a) the General Requirements of Automobiles specified in Schedules A, B and C, and
- (b) the General Requirements specified in 1st Category-Racing Cars

of the CAMS Manual.

Replica means a car that is not mass produced but is generally available to the public and which is intended to resemble a car manufactured by others either in performance or appearance.

Road Registered means registered for normal road use in New South Wales by the NSW Roads and Traffic Authority or in any other state or territory within the Commonwealth of Australia by its interstate equivalent.

Road Tyres means tyres of the treaded type which, when fitted to the vehicle, will permit it to be registered for normal road use in New South Wales. To be considered as a treaded type, except at tread wear indicators, a tyre fitted to the vehicle must have a moulded tread pattern at least 1.5 millimetres deep in a band that runs continuously across the tyre width that normally comes into contact with the road, and around the whole circumference of the tyre. Excluded specifically from this definition of Road Tyres, are Race Tyres.

Sports Racing Car means a two-seater sports car or other two-seater highly modified car that complies with any of the Groups specified in 2nd Category-Sports Cars of the CAMS Manual.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 9 -

Two Wheel Drive Vehicle means a four wheel vehicle where only two wheels of the vehicle are or can be driven and includes both rear wheel drive and front wheel drive vehicles.

UTQG Rating means the treadwear rating applied under the U.S. Department of Transportation National Highway Traffic Safety Administration's Uniform Tire Quality Grade Standards.

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 1 Vehicle Regulations

(Effective as at January 1, 2012)

1 General

- 1.1 The category is generally intended to cater for unmodified production cars meeting the manufacturer's original specifications where freedoms allowed relate only to safety, engine reconditioning, tyres and cosmetic modifications. Four Wheel Drive Turbos, Clubmans, Kit Cars and Replicas are specifically excluded from this Type.
- 1.2 Allowable vehicle body types include open sports (with mudguards), sports coupes, sedans, station wagons, utilities and vans.
- 1.3 The entire vehicle must be as originally specified by the manufacturer except for the specific freedoms allowed herein.
- 1.4 The vehicle must be a Production Car.
- 1.5 The vehicle must be Road Registered and, apart from any freedom specifically mentioned in these Type 1 Vehicle regulations, no change is permitted to be made to the vehicle during competition that would render it ineligible for such registration.
- 1.6 The vehicle must comply with the "General Requirements of Automobiles" in the CAMS Manual and any modifications necessary to comply with Schedules A & B are permitted.
- 1.7 Where freedom is permitted to fit nominated or recognised parts, such freedom is strictly limited to such components themselves and it shall not be permissible to modify other parts, save by the drilling of holes for supporting purposes.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 11 -

- 1.8 The NSW Supersprint Panel reserves the right to recognise or reject makes and models at its' discretion.
- 1.9 Any vehicle that is classified as a Type 1 vehicle pursuant to these regulations shall, at the option of the Entrant, be permitted to be entered in any supersprint as a Type 1, Type 2, Type 3, Type 4 or a Type SV vehicle in any Class within those Types provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.10 Numbers plates may be removed or concealed but current registration label must remain affixed to the vehicle.
- 1.11 Factory Extras are permitted.

2 Coachwork

- 2.1 Safety equipment and cosmetic or comfort accessories may be added, provided that they do not improve the performance of the vehicle.
- 2.2 Additional instruments and switches are permitted and may be fitted to a separate panel.
- 2.3 Additional headlights (e.g. fog lights and driving lights) are permitted.
- 2.4 The spare wheel and associated tools may be removed.
- 2.5 The driver's seat may be replaced with a non-standard seat that is commercially available and permitted in a Road Registered vehicle. The front passenger's seat may also be replaced provided that the replacement seat is equivalent to or better than the seat replacing the driver's seat. Seat supports may be modified to enable fitment of an allowable replacement seat. Any rear seat or seats may be removed.

3 Engine

- 3.1 The engine may be reconditioned as stated in manufactures repair manual.
- 3.2 Baffle plates may be fitted to the removable section of the oil pan.
- 3.3 Freedom of supply is permitted in respect to condensers, coils, filter elements, spark plugs, leads, fan belts, radiator hoses and gaskets.
- 3.4 A replacement exhaust system will only be acceptable if it is of the same configuration and diameter as the original.
- 3.5 No EMS Modifications are permitted.

4 Transmission

- 4.1 Clutch linings are free, as is their method of attachment.

5 Brakes

- 5.1 Brake linings and rotors are free provided that the diameters of the rotors are not increased.

6 Suspension

- 6.1 It is permitted to adjust the wheel alignment in accordance with the manufacturer's recommendations and/or normal wheel alignment principles.

7 Fuel

- 7.1 Only Commercial Fuel may be used.

8 Wheels and Tyres

- 8.1 Wheels can be changed but must adhere to manufacturer's original size specification or as close thereto as commercially available.
- 8.2 Only Road Tyres are permitted to be used. Tyre sizes must adhere to manufacturers' original specifications in respect to width and aspect ratio or as close thereto as commercially available.
- 8.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 2 Vehicle Regulations

(Effective as at January 1, 2012)

1 General

- 1.1 The category is generally intended for road registered vehicles with limited modifications. Clubmans, Kit Cars and Replicas are specifically excluded from this Type.
- 1.2 Allowable vehicle body types include open sports (with mudguards), sports coupes, sedans, hatchbacks, station wagons, utilities and vans.
- 1.3 The entire vehicle must be as originally specified by the manufacturer except for the specific freedoms allowed herein.
- 1.4 The vehicle must be a Production Car.
- 1.5 The vehicle must be Road Registered and, apart from any freedom specifically mentioned in these Type 2 Vehicle regulations, no change is permitted to be made to the vehicle during competition that would render it ineligible for such registration.
- 1.6 The vehicle must comply with the "General Requirements of Automobiles" in the CAMS Manual and any modifications necessary to comply with Schedules A & B are permitted.
- 1.7 Where freedom is permitted to fit nominated or recognised parts, such freedom is strictly limited to such components themselves and it shall not be permissible to modify other parts, save by the drilling of holes for supporting purposes.
- 1.8 The NSW Supersprint Panel reserves the right to recognise or reject makes and models at its discretion.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 15 -

- 1.9 Any vehicle that is classified as a Type 2 vehicle pursuant to these regulations shall, at the option of the Entrant, be permitted to be entered in any supersprint as a Type 2, Type 3, Type 4 or a Type SV vehicle in any Class within those Types provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.10 Numbers plates may be removed or concealed but current registration label must remain affixed to the vehicle.
- 1.11 Factory Extras are permitted.
- 1.12 Provided they comply with these Type Regulations, Four Wheel Drive Turbos are permitted to compete as a Type 2 vehicle but they are not permitted any of the engine modification freedoms contained in Regulations 3.1 to 3.15 inclusive of these Type 2 Vehicle Regulations but they are permitted the engine modification freedoms contained in Regulations 3.1 to 3.3 inclusive of the Type 1 Vehicle Regulations. No EMS Modifications are permitted on Four Wheel Drive Turbos.

2 Coachwork

- 2.1 Safety equipment and cosmetic or comfort accessories may be added, provided they do not improve the performance of the vehicle.
- 2.2 Reforming of the wheel-arch beading against the inside of the mudguard is permitted, and any body joint protrusion may be rendered safe.
- 2.3 Additional instruments and switches are permitted and may be fitted to a separate panel.
- 2.4 Additional headlights (eg fog lights and driving lights), in accordance with 1.5, are permitted.
- 2.5 The spare wheel and associated tools may be removed.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 16 -

- 2.6 The steering wheel may be replaced.
- 2.7 The addition of a sunroof does not necessarily render the vehicle ineligible. Each case should be considered on its merits, taking the extent of structural modification and safety into account.
- 2.8 All controls and their functions must remain as provided by the manufacturer, but it is permissible to arrange them in such a way as to make them more accessible and easier to use (e.g. fitting additional padding to pedals, extensions to switches, etc)
- 2.9 The driver's seat may be replaced with a non-standard seat that is commercially available and permitted in a Road Registered vehicle. The front passenger's seat may also be replaced provided that the replacement seat is of a standard that is equivalent to or better than the seat replacing the driver's seat. Seat supports may be modified to enable fitment of an allowable replacement seat. Any rear seat or seats may be removed.
- 2.10 Carpets and sound deadening material may be removed.
- 2.11 Bracing may be fitted between the front MacPherson strut towers.

3 Engine

- 3.1 Carburettors may be replaced, provided the replacement(s) are of the same configuration (i.e. downdraught or side draught) and have the same number of inlet venturis as the originals.
- 3.2 A sandwich-type adaptor plate to enable installation of a replacement carburettor is permitted.
- 3.3 Fuel injectors are free but not they're number or position. Fuel injection cannot replace carburettor(s) and vice versa. EMS Modifications are permitted on non-turbo cars.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 17 -

- 3.4 Pistons and piston rings are free.
- 3.5 Material may be removed from, but not added to, piston crowns and cylinder heads for the purpose of volumetric balancing of the combustion chambers only.
- 3.6 Material may be removed from conrods, crankshafts and flywheels for the purpose of balancing and surface polishing.
- 3.7 Material may be removed from cylinder bores (for reconditioning purposes) to the limit of manufacturer's specifications.
- 3.8 The camshaft is free but not the number of bearings.
- 3.9 Inlet and exhaust manifolds and ports may be internally polished and reshaped.
- 3.10 On rotary engines the original dimensions of the intake and exhaust ports on the inner side of the engine can be changed, however, bridge and peripheral porting is not permitted
- 3.11 On turbocharged vehicles, no modifications are permitted to the induction system or any components associated with its functioning. Maximum inlet pressure must remain in accordance with the manufacturer's specifications for the vehicle. No EMS Modifications are permitted on turbocharged vehicles.
- 3.12 Baffle plates may be fitted to and modifications may be made to increase the oil capacity of the removable section of the oil pan.
- 3.13 The air cleaner and filter element is free.
- 3.14 Freedom of supply is permitted in respect to condensers, coils, filter elements, spark plugs, leads, fan belts, radiator hoses and gaskets.
- 3.15 The exhaust system is free on naturally aspirated vehicles. On turbocharged vehicles the exhaust is free from the exit of the turbocharger

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 18 -

only. No muffler(s) shall be visible outside the perimeter of the vehicle when viewed from above or the side. Note: noise restriction requirements of the vehicle registration authority must be adhered to.

3.16 Air conditioning systems are free.

4 Transmission

4.1 Clutch linings are free, as is their method of attachment.

4.2 Limited slip differentials are permitted only when available as an option for the model concerned from the original manufacturer, or its authorised supplier. Modifications to the differential cover or the fitting of a high capacity differential cover to increase the oil capacity of the vehicle differential are permitted.

4.3 Non-standard gear and differential ratios are permitted only when available as an option for the model concerned from the original manufacturer, or its authorised supplier.

5 Brakes

5.1 Brake linings and rotors are free provided that the diameters of the rotors are not increased.

6 Suspension

6.1 The type of shock absorber is free but not their number or mounting points.

6.2 The rate and length of springs is free and adjustable spring platforms are permitted.

6.3 Sway bars may be added, replaced or deleted.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 19 -

- 6.4 It is permitted to adjust the wheel alignment in accordance with the manufacturer's recommendations and/or normal wheel alignment principles, except that the original dimensions must be respected as to wheelbase and a maximum increase in track of 25mm (1") is permitted for camber adjustment only.
- 6.5 Camber adjustment kits are permitted.
- 6.6 Plain bushings may be replaced by those of a different material provided that original dimensions are retained.

7 Fuel

- 7.1 Only Commercial Fuel may be used.

8 Wheels and Tyres

- 8.1 Wheels can be altered, in both diameter and width, by up to one inch in width and two inches in diameter over manufacturer's original specifications, provided that the tyres do not extend beyond the outer edge of the coachwork (including wheel arch flares) when viewed vertically from above.
- 8.2 Only Road Tyres are permitted to be used. Tyre sizes with respect to width and aspect ratio are free.
- 8.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.

9 **Steering**

9.1 Aftermarket power steering cooling units are permitted.

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 3 Vehicle Regulations

(Based on Group 3J Improved Production Regulations)

(Effective as at January 1, 2012)

1 General

- 1.1 Apart from the freedoms and requirements set out hereunder, this Category is identical to Group 3J - Improved Production Cars as specified in the CAMS Manual.
- 1.2 Allowable vehicle body types include open sports (with mudguards), sports coupes, sedans, hatchbacks, station wagons, utilities and vans.
- 1.3 Provided it complies with all of the requirements of a Group 3J – Improved Production Car as contained in the CAMS Manual other than those contained in Clause 1.1 of those requirements, an Improved Production Import is permitted.
- 1.4 Any vehicle that is classified as a Type 3 vehicle pursuant to these regulations shall, at the option of the Entrant, be permitted to be entered in any supersprint as a Type 3 or Type 4 vehicle in any Class within those Types provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.5 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.
- 1.6 Clubmans, Kit Cars and Replicas are excluded from this Type.
- 1.7 If a vehicle is supercharged (includes turbocharged) and the supercharger is recognised as standard production for the model of the vehicle, then if: -

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 22 -

- (a) EMS Modifications have not been made, and
- (b) the supercharger has not been modified in any way, and
- (c) the maximum inlet pressure and engine static compression ratio DOES remain in accordance with the manufacturer's specifications for the vehicle

it is eligible as a Type 3 vehicle but only if either a CAMS Approved Boost Monitor or a CAMS Approved Restrictor is fitted to the vehicle.

1.8 If a vehicle is supercharged (includes turbocharged) and the supercharger is recognised as standard production for the model of the vehicle, then if: -

- (a) EMS Modifications have been made, and/or
- (b) the supercharger has been modified, and/or
- (c) the maximum inlet pressure and engine static compression ratio does not remain in accordance with the manufacturer's specifications for the vehicle

it is eligible as a Type 3 vehicle but only if a CAMS Approved Restrictor is fitted to the vehicle.

1.9 If a vehicle is supercharged (includes turbocharged) and a supercharging system is not recognised as standard production for the model of the vehicle, it is eligible as a Type 3 vehicle but only if a CAMS Approved Restrictor is fitted to the vehicle.

2 Coachwork

2.1 Any vehicle that is not Road Registered must be fitted with an approved roll cage.

3 Wheels and Tyres

- 3.1 Wheels can be altered in accordance with Group 3J Club Cars regulations, or may be altered to any width, provided that the upper part of the wheel (rim flange and tyre flank) when viewed vertically over the wheel hub centre must be housed within the original bodywork when measured vertically. Reforming of the wheel-arch beading against the inside of the mudguard is permitted.
- 3.2 Only Road Tyres are permitted to be used. Tyre sizes with respect to width and aspect ratio are free.
- 3.3 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 4 Vehicle Regulations

(Based on Group 3D Sports Sedan Regulations)

(Effective as at January 1, 2012)

1. General
 - 1.1 Except as varied by the following clauses in these Type 4 regulations, the Category is identical to the CAMS Group 3D Sports Sedan Class as detailed in the CAMS Manual, and allows highly modified vehicles to run in Supersprints.
 - 1.2 Any vehicle that otherwise conforms to Type 1, 2, 3 or SV requirements, apart from Clubmans, Kit Cars and Replicas, shall be permitted to employ or use Race Tyres but if it does so it shall be classified as a Type 4 vehicle. All such vehicles will be classified in the appropriate Type 4 class determined by engine capacity.
 - 1.3 No vehicle shall be permitted to run as a Type 4 vehicle if it has an engine capacity in excess of 6000 cubic centimetres with the exception of those vehicles that, apart from the use of Race Tyres, comply with Type SV requirements.
 - 1.4 Please obtain a copy of the CAMS Manual for full Group 3D specifications.
 - 1.5 Vehicles that are not Road Registered must be fitted with an approved roll cage.
 - 1.6 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.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 25 -

- 1.7 Subject to compliance otherwise with the CAMS Group 3D Sports Sedan Regulations, rear engined and mid mounted engined vehicles shall be permitted.
- 1.8 Provided that the vehicle otherwise complies with the requirements for CAMS Group 3D Sports Sedans, allowable vehicle body types include open sports cars (with mudguards), sports coupes, sedans, hatchbacks, station wagons, utilities and vans. Clubmans, Kit Cars and Replicas are specifically excluded from this Type.
- 1.9 If any vehicle does not comply with the Group 3D Sports Sedan specifications, as varied by the freedoms given in Type 4 Vehicle Regulations 1.7 and 1.8 above, but is otherwise eligible to and does compete as a Type 4 vehicle then, with the exception of the employment or use of Race Tyres: -
 - (a) if it is Road Registered, no change is permitted to be made to the vehicle that would render it ineligible to compete as a Type SV vehicle;
or
 - (b) if it is not Road Registered, no change is permitted to be made to the vehicle that would render it ineligible to compete as a Type 3 vehicle with the exception that it shall not be required to fit either a CAMS Approved Boost Monitor or CAMS Approved Restrictor.

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 5 Vehicle Regulations

(Effective as at January 1, 2012)

1 General

- 1.1 This category is intended for all Clubmans, Kit Cars and Replicas (whether Road Registered or not) using Race Tyres, Racing Cars and Sports Racing Cars.
- 1.2 An open wheel car must conform to the published specifications for Formula 4000, Formula Libre, Formula 2, Formula 3, Formula Ford or Formula Vee. Go Karts, other vehicles of a similar size and structure and any vehicle that the NSW Supersprint Panel determines to be unsafe for visibility reasons to compete in a multi car event are specifically excluded from this Type.
- 1.3 Any vehicle that is classified as either a Type 5 Class A or B vehicle pursuant to these regulations shall, at the option of the Entrant, be permitted to be entered in any supersprint as a Type 5 Class C or D vehicle provided that engine capacity of the vehicle does not exceed the maximum capacity allowable in the Class entered.
- 1.4 Please obtain a copy of the CAMS Manual for full 1st Category Racing Cars and 2nd Category-Sports Cars specifications.
- 1.5 All vehicles must be issued with a CAMS log book, which must be available for inspection when the vehicle is presented for scrutineering.
- 1.6 All vehicles in this Type are permitted to use Race Tyres with the exception of Formula Fords who must use either the control tyres specified in the description of a Formula Ford in the CAMS Manual or Road Tyres to remain eligible to compete as a Formula Ford and be eligible for Class 5B. However, any vehicle that otherwise conforms as a Formula Ford shall be

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 27 -

permitted to employ or use Race Tyres but if it does so it shall no longer be classified as a Formula Ford but shall be classified as a Class 5C vehicle.

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type 6 (Time Attack) Regulations

(Effective as at January 1, 2012)

1 General

1.1 This type is intended for highly modified mass produced vehicles and is divided into two (2) categories with the first of those categories being for vehicles that comply with Regulation #2 ("Clubsprint Category Regulations") of these Type 6 Vehicle Regulations and the second for vehicles that comply with Regulation #3 ("Open Category Regulations") of these Type 6 Vehicle Regulations. Those two categories are each divided into two classes with one class being for Two Wheel Drive Vehicles and the other being for Four Wheel Drive Vehicles.

1.2 All vehicles in this Type: -

- (a) must be an Eligible Vehicle with the steering action on the front wheels only and which is either a Two Wheel Drive Vehicle or a Four Wheel Drive Vehicle, and
- (b) must comply with either the Clubsprint Category Regulations or the Open Category Regulations set out in Regulations Nos. 2 and 3 of these Type 6 Vehicle Regulations.

1.3 Specifically excluded from this Type are:-

- (a) Open wheel vehicles, Clubmans, Kit Cars and Replicas and/or
- (b) any vehicle with more than one engine and/or
- (c) any vehicle with centre steering.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 29 -

- 1.4 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.

2. **Clubsprint Category Regulations**

2.1 All vehicles:-

- (a) must be an Eligible Vehicle and
- (b) must be Road Registered and
- (c) must only be modified as permitted by these Clubsprint Category Regulations.

2.2 Body

- 2.2.1 All convertible vehicles must be must be fitted with either a hard top or a CAMS approved roll cage or both.
- 2.2.2 The use of a carbon fibre and/or fibreglass replacement bonnet and rear wing is permitted.
- 2.2.3 The use of fibreglass replacement panel front bar, rear bar and side skirts is permitted.
- 2.2.4 Carbon fibre and/or fibreglass replacement panel mudguards, doors, boot lids and roofs are not permitted.

2.3 Engine

- 2.3.1 Engine modifications are free with the following exceptions:-
 - (a) The engine must be as originally designated for the vehicle both in configuration and aspiration.
 - (b) The engine mount points as provided by the original vehicle manufacturer must be utilized.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 30 -

- (c) Only unleaded petrol or the ethanol blended fuel known as "E85" is permitted.
- (d) Nitrous or nitrous oxide systems are not permitted.
- (e) All vehicles must have a full exhaust system exiting after the rear axle and otherwise complying with CAMS Regulations.

2.4 Transmission

- 2.4.1 A gearbox casing as provided by the original vehicle manufacturer must be utilized.
- 2.4.2 The transmission mounts as provided by the original vehicle manufacturer must be utilized.
- 2.4.3 Aftermarket gear sets are permitted.

2.5 Driveline

- 2.5.1 A gearbox casing as provided by the original vehicle manufacturer must be utilized.
- 2.5.2 The driveline configuration, either two wheel drive or four wheel drive, as provided by the original vehicle manufacturer must be utilized.
- 2.5.3 The driveline mount points as provided by the original vehicle manufacturer must be utilized.
- 2.5.4 Aftermarket differential centres are permitted.

2.6 Suspension

- 2.6.1 Suspension mount points as provided by the original vehicle manufacturer must be utilized.
- 2.6.2 Coil over suspension kits are permitted.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 31 -

2.6.3 Aftermarket suspension arms are permitted.

2.7 Brakes

2.7.1 Brake modifications are free but the mount points as provided by the original vehicle manufacturer must be utilized.

2.8 Tyres

2.8.1 All vehicles must use tyres with an UTQG Rating higher than 120.

2.9 Wheels

2.9.1 Wheel sizes are unrestricted.

2.10 Interior

2.10.1 The vehicle interior must be as supplied by the original vehicle manufacturer with the following exceptions:-

- (a) Front seats may be replaced with CAMS approved seats.
- (b) Rear seats may be removed.
- (c) Carpet may be removed.
- (d) Stereo may be removed.
- (e) Air conditioning may be removed.
- (f) Local modification to interior to permit fitting of a roll cage is permitted.

2.11 Vehicle Safety

2.11.1 All vehicles must be equipped with a CAMS approved 4 point harness or better.

2.11.2 All vehicles must have a driver's seat that allows for the correct fitting of the harness.

3. Open Category Regulations

3.1 All vehicles must

- (a) be an Eligible Vehicle and
- (b) be modified only as permitted by these Open Regulations.

3.2 Body

3.2.1 All convertible vehicles must be must be fitted with a CAMS approved roll cage.

3.2.2 Carbon fibre and other lightweight bodies are permitted but all bodies must retain the factory body look and style as produced by the original vehicle manufacture.

3.2.3 The front glass windscreen as supplied by the original vehicle manufacturer must be retained but other windows may be replaced by Lexan or similar material.

3.3 Chassis

3.3.1 Strut towers supplied by the original vehicle manufacturer must be retained and used.

3.3.2 The floor fitted to the vehicle by the original vehicle manufacturer must be retained.

3.3.3 The firewall fitted to the vehicle by the original vehicle manufacturer must be retained but modifications to the firewall are permitted to enable the fitting of a roll cage, engine, transmission and wiring. All holes must be sealed. If the firewall or any part of it is replaced to allow clearance for a replacement engine, gearbox or drive train, all replacement sheet metal must be the same thickness to that contained in the original firewall.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 33 -

3.3.4 In a front engine vehicle, the rear most part of the engine block must not be more than 50mm rearward of the most forward point of the firewall.

3.3.5 In a rear engine vehicle, the front most part of the engine block must not be more than 50mm forward of the most rear point of the firewall.

3.3.6 Chassis rails may be modified to enable the fitting of a replacement engine and/or gearbox.

3.3.7 Tube frame chassis extensions are not permitted.

3.4 Roll Cage

3.4.1 A CAMS approved roll cage must be fitted to the vehicle if is not Road Registered.

3.4.2 Roll cages may pass through the firewall but the firewall must be sealed.

3.5 Aerodynamics

3.5.1 Aerodynamic aids are unrestricted but: -

(a) mechanical devices that create a low pressure area under the car are not permitted, and

(b) the overall width of any aerodynamic aid, including but not limited to any wing assembly, front spoiler, rear spoiler and/or any canards, to be no wider than the coachwork of the vehicle.

3.6 Engine

3.6.1 Nitrous or nitrous oxide systems are not permitted.

3.6.2 Leaded fuels are not permitted.

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 34 -

- 3.6.3 Methanol is not permitted.
- 3.6.4 If a vehicle is fitted with a rear facing exhaust outlet, the outlet shall be between 100mm and 450mm above the ground and shall not protrude more than 150mm beyond the rearmost portion of the vehicle.
- 3.6.5 If a vehicle is fitted with a side facing exhaust outlet, the outlet must be located rearward of the midpoint of the wheelbase.
- 3.6.6 In no case shall any exhaust project beyond the maximum width of the coachwork of the vehicle or terminate more than 50mm within the plan view of the adjacent coachwork.

3.7 Suspension

- 3.7.1 The suspension design provided by the original vehicle manufacturer must be retained but suspension mount points are free.

3.8 Interior

- 3.8.1 All vehicles must have a full length dashboard.

3.9 Tyres

- 3.9.1 All vehicles must use tyres from the following list.

Manufacturer	Tyre
Yokohama/Advan	A048R, A050R
Bridgestone	RE540S, RE55, RE-11S
Dunlop	Formula R (D83J, D93J, D01J, DZ02G, DZ03G)
Federal	595RSR, FZ201

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 35 -

Kumho	Ecsta V700, V70A
Michelin	Pilot Sport Cup, TB15
Pirelli	P Zero C, P Zero Corsa
Silverstone	FTZ Sport Tyre RR, S575, S585
Toyo	Proxes RA-1, Proxers R888, Trampio R881
Hankook	Ventus Z221
Nitto	NT01

3.10 Vehicle Safety

3.10.1 All vehicles must have a CAMS approved driver's seat.

3.10.2 All vehicles must be equipped with a CAMS approved 5 point harness or better

CAMS NSW SUPERSPRINT VEHICLE REGULATIONS

Type SV (Special Vehicles)

(Effective as at January 1, 2012)

1 General

- 1.1 The Category is intended for all Road Registered vehicles including Clubmans, Kit Cars, Replicas and those vehicles having modifications in excess of that allowed in Types 1 and 2.
- 1.2 Provided they comply with all other regulations for Type SV vehicles, there are no limitations on modifications to vehicles.
- 1.3 Only Road Tyres are permitted to be used.
- 1.4 At no time prior to the commencement of competition may any tread wear indicator as provided by the manufacturer be exposed. In all areas where there is no indicator the original tread pattern must be clearly visible except on the shoulder of the tyre where excessive wear may occur due to steering and cornering.
- 1.5 The vehicle must be Road Registered and, apart from any freedom specifically mentioned in these Type SV Vehicle regulations, no change is permitted to be made to the vehicle during competition that would render it ineligible for such registration.
- 1.6 If any change has been made to any manufacturer's specification on a vehicle of this type that requires certification from an engineer to either obtain or maintain road registration, then the relevant engineer's certificate, or a copy of the same, must be made available at any event at which the vehicle competes when the vehicle is presented for scrutineering. The production of a letter from an RTA Authorised Inspection Station which states, in the opinion of the Authorised Inspection Station, that no

PROVISIONAL ONLY UNTIL APPROVED BY CAMS STATE EXECUTIVE

- 37 -

engineer's certificate is required in respect of the change to maintain road registration shall be prima facie evidence that no such certificate is required.

- 1.7 Any vehicle that is classified as a Type SV vehicle pursuant to these regulations, with the exception of Clubmans, Kit Cars and Replicas, shall, at the option of the Entrant, be permitted to be entered any supersprint as a Type 4 vehicle. All such vehicles will be classified in the appropriate Type 4 class determined by engine capacity.
- 1.8 Numbers plates may be removed or concealed but current registration label must remain affixed to the vehicle.