

NZ Sports Car Racing Incorporated – Race Series

Rules and Regulations 2018 – 2019 Season

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Preamble

These Regulations set out the rules under which members compete in New Zealand Sports Car Racing Series.

The Rules allow a wide variety of sports racing cars to compete, from professionally built prototypes through to New Zealand constructed specials. e.g. Juno CN, Radical, Mallock, JRM3, Terra FX.

The Regulations are relatively free and encourage innovative design. However, if a competitor is purchasing a new car, which is not already running in the series or building a car with new and innovative features, they should consult with The Committee regarding eligibility before proceeding.

1. Sporting Regulations - General

1.1 Title & Jurisdiction

The New Zealand Sports Car Racing Series is organised and administered by New Zealand Sports Car Racing Incorporated in accordance with the General Regulations of Motorsport New Zealand (thereby incorporating the provisions of the International Sporting Code of the FIA) and following Series regulations.

1.2 Officials

Race Co-ordinator

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Technical Officer

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In the event of any dispute arising from these series regulations, then The Committee will adjudicate after conducting a hearing.

1.3 Competitor Eligibility

Competitors in the series must be:

- (a) fully paid up members of NZ Sports Car Racing,
- (b) registered for the series by way of paying the series fee,
- (c) in possession of a valid Motorsport New Zealand Licence.

Competitors who are not members of NZ Sports Car Racing may enter the Series Races however, are not eligible for points.

1.4 Registration

Competitors may register at any time by paying the series fee and will be eligible for points in any race from this time.

1.5 Championship Rounds

TBA

1.6 Scoring

The overall series and each class shall have points awarded for each race starting from the first car, the points will be awarded as follows:

100, 92, 86, 80, 74, 68, 63, 58, 53, 48, 43, 39, 35, 31, 27, 24, 21, 18, 15, 13, 11, 9, 7, 6, 5, 4, 3, 2, 1, 1.

Overall points shall be accrued by adding the points for each race less the two worst race results. Where a competitor does not enter and attend a meeting, these races do not count as worst results.

Any competitor failing to finish a race will be awarded zero points.

Class points shall only be awarded when the driver competes in the said class and shall not be transferred to another class.

Should a driver change vehicles during the series he may elect to stay in:

- Supersports if the car complies with Prosport, Clubsport Open or Clubsport regulations,
- Prosports if the car complies with Clubsport Open or Clubsport regulations,
- Clubsport Open if the car complies with Clubsport regulations.

1.7 Awards

A trophy shall be awarded to the winner of the overall series and each class.

A Sports Car Cup trophy will be contested by the mid field cars.

Drivers are eligible provided that their lap times are slower than:

Manfeild	1m 10.5s
Taupo	1m 33s
Hampton Downs	1m 9s
Pukekohe	No restriction at present

1.8 Compliance with the Technical Regulations

The Technical Officer may require the competitor to demonstrate compliance with the Technical Regulations.

2. Championship Event Meetings & Race Procedures

2.1 Entries

Competitors are responsible for sending in correct and complete entries together with the correct entry fee prior to the closing date.

2.2 Races

All Sports Racing Car races as scheduled in the Supplementary regulations at a meeting shall count for points as per Clause 1.6 above.

2.3 Starts

All races shall be a rolling start. However the Committee and drivers may elect to change the start format on the day of the race by a majority vote.

2.4 Formula Libre

Formula Libre cars may also run in our series races and shall not affect the award of points.

2.5 Results

The award of points will be based on the race results as published at the meeting.

3.0 Technical Regulations – General

3.1 General

These regulations must be read in conjunction with the Motorsport New Zealand manual and all cars must comply with these requirements.

The driver's helmet shall be on one side of the longitudinal centre of the vehicle when the driver is in the seated position except as noted for the Sports Racer class.

3.2 Bodywork

The body shall cover all mechanical components except for exhaust and induction systems, suspension components, tyres and radiators.

3.3 Cockpit Opening

There shall be an unobstructed view of the cockpit when viewed from above. Competitors who have a car with an enclosed cockpit must apply to the Committee for admission to the series.

3.4 Mudguards

Vehicles may run cycle style mudguards, which cover at least one third of the wheel circumference.

3.5 Engines

All engines shall operate on internal combustion spark ignition four stroke principles. All engines shall be based on OEM units where at least one thousand have been manufactured in one calendar year.

Each vehicle may only have one engine.

Where the standard engine capacity is at the limit of the class then a 1mm over bore is permitted for the purposes of reclaiming the block.

The committee may approve engines and electric motors, which do not comply with the above requirements.

3.6 Chassis

The width of the vehicle must be between 1500mm and 2000mm. The maximum weight of a vehicle without driver and fuel shall be less than 900kg unless approved by the Committee.

3.7 Brakes

All brake rotors must be an alloy of iron.

4.0 Technical Regulations - ClubSport

4.1 General

ClubSport cars must use a chassis and body of a sports car that has been registered for road use.

4.2 Engines

The maximum engine capacity for a naturally aspirated engine is 2000cc.

The maximum capacity for forced induction engines is 1600cc.

Rotary engines are not permitted.

4.3 Tyres

Tyres shall be DoT rated and have a tread width of less than 225mm.

4.4 Aerodynamics

No aerodynamic devices are allowed.

4.5 Headlights

Vehicles must be fitted with functioning headlights.

4.6 Chassis

The vehicle in race trim, without fuel and driver, shall weigh not less than 560kg for a car engine powered vehicle and 480kg for a motorcycle powered vehicle.

5.0 Technical Regulations ClubSport Open

5.1 General

ClubSport cars, which have been extensively modified and no longer comply with the ClubSport regulations, may run in the ClubSport Open Class.

5.2 Engines

The maximum engine capacity is 2000cc.

5.3 Aerodynamics

Diffusers and skirts are not allowed. Where a floor is fitted below the chassis, it must be flat from the centre line of the front axle to the leading edge of the rear wheels.

5.4 Chassis

The vehicle in race trim, without fuel and driver, shall weigh not less than 560kg for a car engine powered vehicle and 480kg for a motorcycle powered vehicle.

6.0 Technical Regulations - ProSport

6.1 Engines

Engines must be naturally aspirated and not exceed 2000cc for a piston engine.

Mazda 13B non-peripheral port rotary engines are allowed.

7.0 Technical Regulations - SuperSport

7.1 General

Sports Cars, which are not eligible to run in the ClubSport, ClubSport Open and ProSport Classes may run in the SuperSport Class.

8.0 Technical Regulations - Sports Racer

8.1 General

Sports Racer cars are eligible to run for points in the ProSport Class.

The class provides for the conversion of single seater cars to run within the sports car classes. As such, the driver may be seated on the centre line of the car. The rules are structured to allow a cost effective method of joining sports car racing. The rules are broadly in line with the SCCA P2 class.

The minimum weight of the car less driver, ready to race shall be 450kg.

8.2 Chassis

Tube and monocoque chassis construction using steel and aluminium are permitted. Composite construction is excluded.

Anti intrusion side panels are required to cover the area bounded by; the roll hoop, the foremost edge of the cockpit opening, top and bottom longitudinal chassis members. Their construction shall comply with the requirements of another recognised formula.

8.3 Bodywork

The bodywork shall cover all mechanical elements except for intakes, exhausts, towing hooks, jacks and radiators.

Wheels and tyres maybe exposed when viewed from the side and above shall together with least one third of the circumference being covered. Cycle guards are not permitted.

The underside of the car shall be flat between the rear for the front tyres and the front of the rear tyres and extend to the outer edge of the front and rear tyres. In order to accommodate any rake in the car set up, flat shall be taken as coplanar with the ground. Any deviation from flat shall not exceed 25mm.

The sum of the front and rear overhang from the wheel centre lines shall not exceed 80% of the wheelbase and the difference between the front and rear overhangs shall not exceed 15% of the wheelbase.

8.4 Wheels and Tyres

All tyres shall be commercially available in New Zealand. Wheels shall have a maximum diameter of 13”.

8.5 Brakes

Brake rotors must be made from an alloy of iron.

Antilock braking systems are prohibited.

8.6 Suspension

Springs must be constructed from steel.

8.7 Transmission

Only manual transmissions are permitted. The gear change must only be effected by the driver using a mechanical linkage.

The clutch may only be operated by the driver using a hydraulic or mechanical linkage.

Limited slip differentials may not be adjustable when the car is in motion.

8.8 Engine

Engines shall be from a production motorcycle of 1000cc or less or a Suzuki GSXR 1300 (Hayabusa) gen1. Turbocharged and supercharged engines are prohibited.

The engines shall be unmodified except as noted below.

Dry sump systems are permitted.

Air boxes, air filter housings, cooling systems and exhaust systems are free.

Fuel and ignition maps may be adjusted to suit the above changes. Software and wiring may be modified to circumvent motorcycle security features and interlocks.

8.9 Prohibited Materials and Systems

The following materials and systems are prohibited.

Titanium

Carbon fibre bodies, wheels and springs

Aramid fibre (Kevlar) except where it is used as an anti intrusion side panel or a wheel arch lining.

Traction control

Antilock braking

Active suspension control

Magnetic dampers