



## SCHEDULE NZTC

# RACER PRODUCTS V8 RACE SERIES TECHNICAL REGULATIONS 2020-21

### PREAMBLE

To promote and foster V8 saloon car racing through a well promoted Series with the emphasis on close racing and creating the ability for young drivers to compete in V8 racing with a focus on chassis tuning and an understanding of good race craft.

With minimal technical rules to allow a variety of V8 Saloon vehicles to compete with a Balance of Performance/Power to even out the field during the Feature Race.

### COMPETITOR RECORD OF AMENDMENTS ISSUED

Use this table to keep a record of all official 'Manual/Series Amendments' issued during the season relative to this Schedule;

Amendment Number	Issue/Effective Date	Regulation reference	Subject / Notes
NZV8-20-21-A001	10 February 2021	Accredited Series Articles	Change in class name to Racer Products V8s Race Series

## 1.0 GENERAL INFORMATION RELATIVE TO THIS SCHEDULE

- 1.1 These regulations shall be read in conjunction with the National Sporting Code, the Standing Regulations as detailed in the current edition of the MotorSport Manual, and the Supplementary Regulations issued by the Organiser for each Round of the Series. Additionally, any subsequent amendments / bulletins as issued by MotorSport New Zealand from time to time shall be respected.
- 1.2 All text changes from the previous issue of this Schedule are highlighted such. Text changes for grammatical and/or formatting reasons are not highlighted.
- 1.3 All vehicles shall comply with the MotorSport New Zealand safety schedule - Appendix Two, Schedule A of the current MotorSport NZ Manual except where specifically detailed otherwise in this schedule.
- 1.4 All cars competing in Events to which these regulations apply shall have a valid MotorSport New Zealand logbook.
- 1.5 **TECHNICAL ELIGIBILITY AND SAFETY EQUIPMENT ENQUIRY:** Where any doubt may exist in understanding any regulation contained within this Schedule it will be understood that it is the Competitors obligation to enquire as to the correct interpretation. All technical eligibility and/or safety equipment enquiry shall be submitted in writing to:
- (1) The Series Scrutineer, as detailed in the Series Articles, then to
  - (2) The MotorSport NZ Technical Manager
    - All enquiries should detail the article in question and the specific subject matter.
    - A written reply will always be given to a written enquiry.
    - On matters of technical eligibility and/or safety compliance, a verbal statement will have no validity.

## 2.0 DEFINITIONS

- 2.1 Definition of terms used within this Schedule shall be referenced from the National Sporting Code, Appendix Two Schedule A.

## 3.0 ELIGIBLE VEHICLES

- 3.1 The Series is for any V8 Saloon Car, SuperTourer, TLX, Mitchell Extreme, PBR Spec TA2, Howe GT, Specification TL, BMW V8 or any other monocoque or space-framed two or four door saloon excluding Sports Cars.

## 4.0 SAFETY EQUIPMENT REQUIREMENTS

- 4.1 **All safety equipment shall comply with Schedule A, except where specifically detailed within this Schedule otherwise.**
- 4.2 **Safety harness;** in compliance with either FIA 8853 or SFI 16.1 (minimum five strap) shall be installed in full compliance with Schedule A.
- 4.3 **Seats;** shall be Competition type seats as detailed in and in full compliance with Schedule A. Additionally, moulded seats of poured foam construction are authorised for space-frame vehicles once approved by the Series Scrutineer and detailed in the MSNZ logbook.

- 4.4** A **Safety Cage**; shall be fitted as per Schedule A requirements. Space frame vehicles incorporating roll protection as an integral part of their chassis construction shall also require MSNZ homologation – contact the MotorSport NZ office for advice.
- 4.5** **Fire extinguishers**; shall comply with Schedule A, Article 4.8.
- 4.6** **Window nets**; are mandatory for all vehicles. Installation shall respect Schedule A, Article 4.5.
- 4.7** **Windscreens**; shall be either laminated glass or an approved / polycarbonate material and shall comply fully with the requirements of Schedule A, Article 5.11.
- 4.8** **Rain light/s**: A rain light shall be installed in compliance with Schedule A, and shall be either:
- 4.8.1** Hella light - part number 95901140, or
  - 4.8.2** On the FIA approved list, or
  - 4.8.3** Be compliant to ECE 38
- 4.9** **Wipers / demisters**; shall be fitted in compliance with Schedule A.
- 4.10** **Engine enclosure / covers**: shall comply with Schedule A, Article 5.9.

## **5.0 FUEL**

- 5.1** **Fuel**: The only fuels authorised for use in competing vehicles at any Round of this Series shall be pump fuel as detailed in Appendix Two, Schedule A, Article 3.9 Fuel.

## **6.0 BODYSHELL & VEHICLE EXTERIOR**

- 6.1** The body shell and exterior is free provided it represents a series production vehicle.

## **7.0 VEHICLE INTERIOR**

- 7.1** The vehicle interior is free and must meet the requirements of Schedule A provisions.

## **8.0 CHASSIS**

- 8.1** Free, respecting Article 3.1 and all Schedule A provisions.

## **9.0 ENGINE SPECIFICATIONS**

- 9.1** V8 Engine type is free, in compliance with Schedule A.
- 9.2** Naturally aspirated V8.
- 9.3** Engine modifications are unrestricted.

## 10.0 TRANSMISSION

- 10.1 The transmission, from the engine flywheel to the driven (road wheel) hub, is free provided Schedule A compliance is maintained at all times.

## 11.0 SUSPENSION

- 11.1 The suspension system is free provided Schedule A compliance is maintained at all times.

## 12.0 BRAKING SYSTEM

- 12.1 The braking system is unrestricted provided Schedule A compliance is maintained at all times.

## 13.0 WHEELS

- 13.1 Road wheels are free, provided Schedule A Article 4.9 is maintained at all times.

## 14.0 TYRES

- 14.1 Tyres;
- **'dry tyres'** types are open to all manufacturers as follows;
    - (a) A maximum of four(4) new tyres can be introduced per round excluding round one(1) which will have the ability to have eight(8) new tyres.
  - **'wet weather conditions'** shall be of a 'treaded tyre' type and in compliance with Schedule A. There is no controlled allocation of "wet" tyres per Round.
- 14.2 **Tyre warmers:** are not permitted.