

PART 2 SCHEDULE SL[©]

Superlap ClubSport Series TECHNICAL REGULATIONS 2019 - 2020

PREAMBLE

The objective is to promote and foster ClubSport motorsport in a safe environment by presenting Competitors with a well-promoted series creating worthwhile individual sponsorship opportunities with an enjoyable and relaxed competition in the spirit of ClubSport competition.

With a huge diversity in both budget and speed differential, the technical rules are minimal and reasonably open, and the series run with time-based groups to give a fair chance to all competitors, based over three classes.

COMPETITOR RECORD OF AMENDMENTS ISSUED TO THIS SCHEDULE

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

| Amendment Number | Issue/Effective date | Regulation reference | Subject / Notes |
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PART A

General Conditions applicable to all Classes

A1.0 GENERAL INFORMATION RELATIVE TO THIS SCHEDULE

- A1.1** This Schedule shall be read in its entirety and shall take precedence over Appendix 2 Schedule A of the 'National Sporting Code' excepting where an item is not specifically covered within Schedule SL, in which case Appendix 2 Schedule A will apply.
- A1.2** 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.
- A1.3** All vehicles shall comply with the MotorSport New Zealand Safety Schedules - Appendix Two, Schedule A or Appendix Six, Schedule AA of the current MotorSport NZ Manual except where specifically detailed otherwise in this Schedule.
- A1.4** All cars competing in Events to which these regulations apply shall have a valid MotorSport NZ logbook.
- A1.5** **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 Department
- 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.

A2.0 DEFINITIONS

- A2.1** Definition of terms used within this Schedule shall be referenced from the National Sporting Code, Appendix Two Schedule A, and as detailed below:

'Aftermarket' means a component not manufactured for a specific vehicle make / model of car.

'Free' (part) means that the original part as well as its function may be removed or replaced with a new part on condition that the new part adds no additional function relative to the original part; and

'Original' means the factory fitted part for that make, model and year; and.

'Race trim' means the condition in which the car competes, and shall include all fluids, ballasts and the driver; and

'Road Registered' means a vehicle with a current valid licence label and Warrant of Fitness.

A3.0 ELIGIBLE VEHICLES

A3.1 Eligibility shall be for either Series Production vehicles or LVVTA approved vehicles of either open or closed construction.

A3.2 The Club reserves the right to invite any other vehicle(s) to compete, in addition to those listed in Article 3.1 above.

A3.3 Competition: There are three(3) Classes as follows:

- (1) Pro Open Class:** being 'purpose-built vehicles' complying with the requirements of Part B below.
- (2) Pro Street Class:** being 'road registered' vehicles complying with the requirements of Part C below.
- (3) Street Class:** being 'road registered' vehicles complying with the requirements of Part D below. Specifically excluded from this class are vehicles regarded as high performance spec models of the standard road-going car (example Nissan GTR R35). (*refer also Series Articles 3.5.1*).

A3.4 All Pro Street and Street Class vehicles shall have a current valid licence label and Warrant of Fitness. Additionally, those vehicles that require it must have a valid MSNZ / LVVTA Authority Card.

Note: *A licence label 'on hold' is not valid.*

Part B
Technical Regulations applicable to Pro Open Class Cars

B1.0 SAFETY EQUIPMENT REQUIREMENTS

B1.1 All safety equipment shall comply with Schedule A, except where specifically detailed within this Schedule otherwise.

B1.2 The following safety equipment **shall** be fitted to the competing car:

- (1) **Safety harness;** in compliance with either FIA 8853, FIA 8854 or SFI 16.1 (minimum four(4) strap) shall be installed in full compliance with Schedule A.
- (2) **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.
- (3) **Fire extinguishers;** shall comply with Schedule A, Article 4.8.
- (4) **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) **Rain light/s;** A rain light shall be installed in compliance with Schedule A.
- (6) **Wipers / demisters;** shall be fitted in compliance with Schedule A.

B1.3 The following safety equipment **may** be fitted to the competing car:

- (1) A **Safety Cage;** may be fitted as per Schedule A requirements.

Note: *A safety cage is strongly recommended.*

B2.0 BODYSHELL and VEHICLE EXTERIOR

B2.1 The body silhouette shall represent a Series Production vehicle, however remodelling of the appearance is authorised provided that the origin may still be easily recognised. Interpretation is at the sole discretion of the Series Coordinator and the Series Scrutineer. The onus of compliance with this article lies entirely with the Competitor; to gain approval (in writing) prior to entering the Series or any Round.

B2.2 **Body panels:** shall be complete, securely mounted and constructed to a tradesman like and professional standard. Materials are free but must be appropriate and 'fit-for-purpose.

B2.3 All monocoque bodies shall have fully operational doors on each side, with efficient hinges and latches arranged for easy opening from inside and outside of the vehicle.

B2.4 **Aerodynamics:**

- (1) Any part of the vehicle that has an aerodynamic influence on stability shall be mounted on the entirely sprung part of the vehicle and shall provide at least 40mm clearance between the structure and the ground with the car in 'race trim'.
- (2) Aerodynamic Aids shall comply with Schedule A. Alternatively, aerodynamic aids complying with the following are authorised, under this Schedule only:
 - (a) Front aerodynamic devices shall be no more than 300mm forward of the original body work, no more than 475mm wider, each side of the original bodywork and no higher than the highest part of the original bonnet.
 - (b) Side aerodynamic devices between the front and rear wheel arches shall not protrude laterally beyond a line drawn between the front and the rear aero.
 - (c) Rear aerodynamic devices shall be no more than 400mm rearwards of the original bodywork, no more than 150mm wider, each side, than the original bodywork and no higher than 250mm above the highest point of the original roof.
- (3) It is the competitor's responsibility to provide all evidential calculations pertaining to design, construction and load for any aerodynamic device that does not comply with Schedule A.

B3.0 VEHICLE INTERIOR

- B3.1** The interior of the vehicle is free, respecting the provisions of Appendix Two, Schedule A.
- B3.2 Seats:** The driver's seat position must be offset from the longitudinal centre line of the vehicle with no part of the seat crossing that centre line.
- B3.3 Rear Vision Mirror:** An internal rear vision mirror must be fitted in compliance with Appendix Two, Schedule A.

B4.0 CHASSIS

- B4.1** The chassis is free, respecting Article A3.1 and all Schedule A provisions.

B5.0 ENGINE SPECIFICATIONS

- B5.1** Engine type is free, in compliance with Schedule A.
- B5.2** Forced induction is permitted.
- B5.3** Engine modifications are unrestricted.
- B5.2 Nitrous Oxide (as an additive):** is approved for use under this Schedule. Any commercially available Nitrous Oxide System (kit) is authorised under the following conditions;

- All kits shall be installed and used as per the manufacturer's instructions together with any additional 'accessories' marketed by the same manufacturer.
- The kit shall be installed in its entirety.
- The bottle shall be specifically designed / labelled for the use of nitrous oxide, shall be indelibly stamped with a (DOT-1800) pressure rating, shall not exceed 10lb in weight and shall be securely located / mounted within the bodyshell in a central location.
- If mounted in the cockpit, the bottle shall be enclosed in a separate compartment and vented to the exterior. A pressure relief valve shall be fitted.
- Only a single bottle is authorised which shall utilise the supplied bracket securely mounted to the bodyshell incorporating spreader plates under the floor as necessary.
- All lines shall be those as supplied in the kit or appropriate replacement high-pressure steel braided lines.
- Only valves (as supplied in the kit) shall be used.
- Externally the vehicle shall display a 'N₂O' warning label / sticker affixed to the top of the windscreen (passenger side) and on both sides of the vehicle adjacent to the competition number (refer picture).



B6.0 TRANSMISSION

- B6.1** The transmission, from the engine flywheel to the driven (road wheel) hub, is free provided Schedule A compliance is maintained at all times.

B7.0 SUSPENSION

- B7.1** The suspension system is free provided Schedule A compliance is maintained at all times.

B8.0 BRAKING SYSTEM

- B8.1** The braking system is unrestricted provided Schedule A compliance is maintained at all times.

B9.0 ROAD WHEELS

- B9.1** Road wheels are free, provided Schedule A Article 4.9 is maintained at all times.

B10.0 TYRES

- B10.1** Tyres are free, provided compliance with Appendix Two Schedule A, and this Article B10 is maintained at all times.

B10.1.1 Any vehicle using slick tyres shall not be eligible for overall or Class points for any session that the slick tyres are used. This includes dual groove tyres such as Hankook Ventus Z214, Hoosier Drag radials etc.

B10.2 All tyres shall:

- (1) Be either a 'Road Tyre' or a 'Treaded Tyre' as defined in Appendix Two Schedule A, and
- (2) Comply with the requirements of Schedule A.
- (3) Not have any of the original mouldings, marks or writing removed.

B10.3 Tyre modification/ treatment: The following modifications/ treatments are specifically prohibited:

- Hand cut tread grooves, and
- Tyre warmers, chemical treatments or any means to artificially enhance tyre performance.

Part C
Technical Regulations applicable to Pro Street Class Cars

C1.0 SAFETY EQUIPMENT REQUIREMENTS

C1.1 All safety equipment shall comply with Schedule A, except where specifically detailed within this Schedule otherwise.

C1.2 The following safety equipment **shall** be fitted to the competing car:

- (1) Fire extinguishers;** shall comply with Schedule A, Article 4.8.
- (2) Windscreens;** shall be either laminated glass or an approved / polycarbonate material and shall comply fully with the requirements of Schedule A, Article 5.11.
- (3) Rain light/s;** A rain light shall be installed in compliance with Schedule A.
- (4) Wipers / demisters;** shall be fitted in compliance with Schedule A.

C1.3 The following safety equipment **may** be fitted to the competing car:

- (1) Safety harness;** where fitted shall be in compliance with either FIA 8853 or SFI 16.1 (minimum four(4) strap) and shall be installed in full compliance with Schedule A.
- (2) Seats;** where fitted shall be Competition type seats as detailed in and in full compliance with Schedule A.
- (3) A Safety Cage;** may be fitted as per Schedule A requirements.

C2.0 BODYSHELL and VEHICLE EXTERIOR

C2.1 The body silhouette shall represent a Series Production vehicle, however remodelling of the appearance is authorised provided that the origin may still be easily recognised. Interpretation is at the sole discretion of the Series Coordinator and the Series Scrutineer. The onus of compliance with this article lies entirely with the Competitor; to gain approval (in writing) prior to entering the Series or any Round.

C2.2 Body panels; shall be complete, securely mounted and constructed to a tradesman like and professional standard. Materials are free but must be appropriate and 'fit-for-purpose'.

C2.3 All monocoque bodies shall have fully operational doors on each side, with efficient hinges and latches arranged for easy opening from inside and outside of the vehicle.

C2.4 Aerodynamics:

- (1)** Any part of the vehicle that has an aerodynamic influence on stability shall be mounted on the entirely sprung part of the vehicle.
- (2)** Aerodynamic aids shall comply with Schedule A.

C3.0 VEHICLE INTERIOR

- C3.1** The interior of the vehicle is free, respecting the provisions of Appendix Two, Schedule A.
- C3.2** **Seats:** The driver's seat position must be offset from the longitudinal centre line of the vehicle with no part of the seat crossing that centre line.
- C3.3** **Rear Vision Mirror:** An internal rear vision mirror must be fitted in compliance with Appendix Two, Schedule A.

C4.0 CHASSIS

- C4.1** The chassis is free, respecting Article A3.1 and all Schedule A provisions.

C5.0 ENGINE SPECIFICATIONS

- C5.1** Engine type is free, in compliance with Schedule A.
- C5.2** Forced induction is allowed.
- C5.3** Engine modifications are unrestricted.

C6.0 TRANSMISSION

- C6.1** The transmission, from the engine flywheel to the driven (road wheel) hub, is free provided Schedule A compliance is maintained at all times.

C7.0 SUSPENSION

- C7.1** The suspension system is free provided Schedule A compliance is maintained at all times.

C8.0 BRAKING SYSTEM

- C8.1** The braking system is unrestricted provided Schedule A compliance is maintained at all times.

C9.0 ROAD WHEELS

- C9.1** Road wheels are free, provided Schedule A Article 4.9 is maintained at all times.

C10.0 TYRES

C10.1 Any Treaded Tyre is permitted, provided compliance with Appendix Two Schedule A, and this Article C10 is maintained at all times.

C10.1.1 Slick tyres are specifically prohibited from this Class. This includes dual groove tyres such as Hankook Ventus Z214, Hoosier Drag radials etc.

C10.3 All tyres shall:

- (1) Be either a 'Road Tyre' or a 'Treaded Tyre' as defined in Appendix two Schedule A, and
- (2) Comply with the requirements of Schedule A.
- (3) Not have any of the original mouldings, marks or writing removed.

C10.4 Tyre modification/ treatment: The following modifications/ treatments are specifically prohibited:

- Hand cut tread grooves, and
- Tyre warmers, chemical treatments or any means to artificially enhance tyre performance.

Part D
Technical Regulations applicable to Street Class Cars

D1.0 SAFETY EQUIPMENT REQUIREMENTS

D1.1 All safety equipment shall comply with Schedule A, except where specifically detailed within this Schedule otherwise.

D1.2 The following safety equipment **shall** be fitted to the competing car:

- (1) **Fire extinguishers;** shall comply with Schedule A, Article 4.8.
- (2) **Windscreens;** shall be either laminated glass or an approved / polycarbonate material and shall comply fully with the requirements of Schedule A, Article 5.11.
- (3) **Rain light/s;** A rain light shall be installed in compliance with Schedule A.
- (4) **Wipers / demisters;** shall be fitted in compliance with Schedule A.

D1.3 The following safety equipment **may** be fitted to the competing car:

- (1) **Safety harness;** where fitted shall be in compliance with either FIA 8853 or SFI 16.1 (minimum four(4) strap) and shall be installed in full compliance with Schedule A.
- (2) **Seats;** where fitted shall be Competition type seats as detailed in and in full compliance with Schedule A.
- (3) A **Safety Cage;** may be fitted as per Schedule A requirements.

D2.0 BODYSHELL and VEHICLE EXTERIOR

D2.1 The body silhouette shall represent a Series Production vehicle, however remodelling of the appearance is authorised provided that the origin may still be easily recognised. Interpretation is at the sole discretion of the Series Coordinator and the Series Scrutineer. The onus of compliance with this article lies entirely with the Competitor; to gain approval (in writing) prior to entering the Series or any Round.

D2.2 **Body panels:** must be of original design, materials and construction. The body may be constructed from any metal or fibre composite.

D2.3 All monocoque bodies shall have fully operational doors on each side, with efficient hinges and latches arranged for easy opening from inside and outside of the vehicle.

D2.4 **Aerodynamics:**

- (1) Any part of the vehicle that has an aerodynamic influence on stability shall be mounted on the entirely sprung part of the vehicle.
- (2) Aerodynamic Aids shall comply with Schedule A.

D2.5 Headlights: both high beam and low beam must be operable.

D3.0 VEHICLE INTERIOR

D3.1 The interior of the vehicle is free, respecting the provisions of Appendix Two, Schedule A.

D3.2 Seats: The vehicle must have both driver's and passenger's seats installed.

D3.3 Dashboard: The vehicle must have factory style dashboard and door cards fitted.

D3.5 Rear Vision Mirror: An internal rear vision mirror must be fitted in compliance with Appendix Two, Schedule A.

D4.0 CHASSIS

D4.1 The chassis is free, respecting Article A3.1 and all Schedule A provisions.

D5.0 ENGINE SPECIFICATIONS

D5.1 Engine type is free, in compliance with Schedule A.

D5.2 Forced induction is allowed.

D5.3 Engine modifications are unrestricted.

D6.0 TRANSMISSION

D6.1 The transmission, from the engine flywheel to the driven (road wheel) hub, shall comply with Schedule A.

D7.0 SUSPENSION

D7.1 The suspension system is free provided Schedule A compliance is maintained at all times.

D8.0 BRAKING SYSTEM

D8.1 The braking system is unrestricted provided Schedule A compliance is maintained at all times.

D9.0 ROAD WHEELS

D9.1 Road wheels are free, provided Schedule A Article 4.9 is maintained at all times.

D10.0 TYRES

D10.1 Any Treaded Tyre is permitted, provided compliance with Appendix Two Schedule A, and this Article D10 is maintained at all times.

D10.1.1 Slick tyres are specifically prohibited from this Class.

D10.3 All tyres shall:

- (1) Be a 'Road Tyre' or 'Treaded Tyre' as detailed in Appendix two Schedule A, and
- (2) Comply with the requirements of Schedule A.
- (3) Not have any of the original mouldings, marks or writing removed.
- (4) Have a treadwear rating of 180 or above.

D10.4 Tyre modification/ treatment: The following modifications/ treatments are specifically prohibited:

- Hand cut tread grooves, and
- Tyre warmers, chemical treatments or any means to artificially enhance tyre performance.