



# **CANADIAN AUTOMOBILE SPORT CLUBS ONTARIO REGION**

## **Appendix O, Section H - Radical Cup**

**Effective February 24, 2022**

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## Appendix O, Section H - Radical Cup

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These regulations are intended to assist in the conduct of Competitions and to further general safety. They are a guide and in no way guarantee against injury or death to participants, spectators or others. No express or implied warranties of safety or fitness for a particular purpose shall be intended or result from publication or compliance with these regulations. By applying for a competition licence and/or by entering a competition event, all participants are deemed to have understood and accepted these terms, including that motorsport is inherently dangerous and it is each participant's obligation to meet and maintain compliance with all regulations to reduce the risk of death or injury to self or others, recognizing that such risk is inherent to the sport and cannot be completely eliminated.

***Red bold, italics text indicates significant changes or amendments.***

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## APPENDIX O, SECTION H - RADICAL CUP

### 1 DEFINITION

- 1.1.1 The Radical Canada Cup series is a single-make racing championship for Radical: Prosport, Clubsport, SR1, SR4, SR3 models manufactured by Radical Sportscars Ltd.

### 2 VEHICLE ELIGIBILITY

- 2.1.1 The Radical Canada Cup series is a single-make racing championship for Radical: Prosport, Clubsport, SR1, SR4, SR3 models.
- 2.1.2 Vehicles shall be powered by engines, defined in Section 4.1.2 below.
- 2.1.3 There is a single class defined for Radical Cup.

### 3 TECHNICAL REQUIREMENTS

#### 3.1 TIRES

- 3.1.1 Radical specification Hankook slick model F200 (200/15 Front and 260/16 Rear) are the official tires of the Radical Canada Cup series and are the only approved tire.
- 3.1.2 Competitors may be permitted to use tires produced by another manufacturer if the supply of Hankook F200 are unavailable to all competitors.
- 3.1.3 Competitors are limited to a maximum of one new set tires per weekend. Exceptions may be allowed at the discretion of the series director providing that the competitor can show that the tire is unfit for competition, for example if it is punctured or flat spotted.

#### 3.2 ENGINES

- 3.2.1 The following engines are allowed:
- a) All Powertec/RPE four cylinder production engines.
  - b) Suzuki Hayabusa based "K7" and "K8" engines are eligible.
- 3.2.2 Maximum engine displacement is 1340cc.
- 3.2.3 No modifications to these engines are allowed except where specifically authorized within these rules. This includes, but is not limited to, all fuel injection and engine management components, electrical, cooling, and lubrication systems. All systems are subject to test procedures and shall conform to OEM specifications as stated in the Suzuki workshop manual or as specified in these rules.
- 3.2.4 Permitted engine maintenance includes the replacement, but not modification, of external engine and engine systems parts.
- 3.2.5 All rubber fluid lines may be replaced with braided metal or fabric covered (Aeroquip type) lines. Hose clamps may be installed on the rubber oil lines.
- 3.2.6 No balancing, lightening, polishing or other modification of moving parts of the engine is permitted.
- 3.2.7 Only stock Suzuki manufactured gaskets and seals as specified in the Suzuki workshop manual are permitted including, but not limited to, head gasket, intake runner gaskets and O-rings, restrictor plate gasket, and intake and exhaust gaskets.

### **3.3 AFTERMARKET COMPONENTS**

- 3.3.1 The use of any components not originally produced by Radical Sportscars Ltd., their distributors and/or their suppliers is prohibited.
- 3.3.2 B class cars (Club Sport, Pro Sport, SR3, SR4, PR6) built prior to 2009 with aftermarket parts may be grandfathered at the discretion of the series director.

### **3.4 SERIES SPONSOR DECALS**

- 3.4.1 Display of the Radical Canada Cup series contingency decals which will be distributed to all teams shall be mandatory. The description and required orientation of the mandated decals shall be specified via special bulletin.

### **3.5 FUEL**

- 3.5.1 All cars shall run on commercially available fuels designed for vehicles on public roads (pump gas) with an octane rating of 94 (R+M/2) or less. Any additives to this fuel are prohibited.

### **3.6 DATA SYSTEM/DISPLAY**

- 3.6.1 Only dash displays made by Radical Sportscar Ltd. or Aim Sports LLC are permitted. Only Data Acquisition systems made by Aim Sports LLC are permitted. Competitors are required to provide acquired data to the series as requested.

### **3.7 WEIGHT**

- 3.7.1 For practice, qualifying and races all cars must meet the designated minimum weight at all times. Minimum weight is defined as the total of the driver, inclusive of racing clothing and helmet, and the car regardless of fuel load.

Radical SR3 1340 1545 lbs

### **3.8 GEAR RATIOS**

- 3.8.1 The only permitted Gear Drive Unit Ratios will be 3.071:1 or 3.235:1.

## **4 POINTS AND AWARDS**

- 4.1.1 Points will be awarded per Appendix P 'Race Ontario Series Regulations', Section 8.
- 4.1.2 Awards will be presented at all events. Drivers are required to attend the podium ceremony which will be at the conclusion on the last race on Sunday.
- 4.1.3 Additional contingency awards will be distributed to competitors. Details of awards and distribution will be communicated to competitors through special bulletin.