



**CANADIAN AUTOMOBILE SPORT CLUBS
ONTARIO REGION**

2017

**APPENDIX 'O'
SECTION 'E'**

REGULATIONS AND SPECIFICATIONS FOR FORMULA 4 CARS



Appendix 'O'

Regulations and Specifications for Car Classes Section 'E': Formula 4

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The masculine pronouns 'he,' 'him,' or 'his' will be used generically, without actual reference to gender. The word "may", when used, gives the option of doing something. The words "shall" and "must", when used, require that it be done. The word "and", when used, means that more than one listed item may be performed, used, etc. The word "or", when used, means that one listed item may be performed, used, etc. The word combination "and/or", when used, means that any or all of the listed items may be performed, used, etc.

Bold italicized text indicates significant changes or amendments.

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ANY AMENDMENTS WILL BE PUBLISHED AFTER THIS DATE AS AN OFFICIAL CASC ONTARIO REGION BULLETIN.

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APPENDIX 'O', SECTION E: FORMULA 4**1.0 DEFINITION**

- 1.01 The Car shall be a single seat, four wheel, open-wheel racing Car.
- 1.02 Cars shall comply with the CASC-OR GCR and Race Regulations as well as the Regulations herein.

2.0 EXCEPTIONS AND RESTRICTIONS

- 2.01 An emergency brake is not required.
- 2.02 Fuel is allowed as stated under engine requirements.
- 2.03 A self-starter is not required.
- 2.04 Coachwork is defined as all external parts of the Car which are in the airstream and situated above a plane passing through the centre of the wheel hubs, with the exception of units definitely associated with the function of the engine, transmission, or the roll cage.
- 2.05 **BODYWORK**
No part of the Car, except the safety rollover protection, shall exceed a height of 900mm (35.43in) from the roadway with the Driver normally seated. The roll cage shall not exert aerodynamic influence on the Car.
- 2.06 Behind the front wheels, no part of the coachwork shall extend beyond a vertical plane passing through the centreline of the wheels on either side of the Car with the wheels in the straight ahead position.
- 2.07 The coachwork ahead of the front wheels may extend to the outer sides of the front tires with the wheels in the straight ahead position.
- 2.08 Any coachwork which is in front of the front wheels and extends beyond the inner faces of the front tires shall not extend above the height of the front wheel rims.
- 2.09 Any specific part of the Car which has an aerodynamic influence on stability of the Car shall be mounted on an entirely sprung part of the Car and shall be firmly and immovably fixed while the Car is in motion.
- 2.10 All Cars running on other than pump fuel as available at a highway service station shall ensure there is an approved decal visible on the Car to denote the use of such fuel.
- 2.11 All Cars shall adhere to CASC-OR Regulations regarding catch tanks except:
 - a) Minimum capacity for 4-stroke cycle engine - 1 litre
 - b) 2-stroke cycle engines are exempt from crankcase overflow catch tank requirements.

3.0 WEIGHT

The weight of the Car including coolant, lubricants, fuel, and Driver with the safety equipment specified in Appendix "I" shall be not less than 374.22 kg. (825 lbs.). Cars with engines specified in 4.0.1.f below shall be exempt from this rule.

4.0 ENGINE

- 4.0.1 The engine shall be based on a production engine of which more than 1000 of the model have been produced, and shall conform to the following;
 - a) It shall not exceed the manufacturer's first over-bore giving a displacement greater than the stated maximum.
 - b) It shall have a maximum displacement of 750cc. (2 or 4 stroke cycle), with the exception of 4.0.1 f below.
 - c) It shall be normally aspirated, and be burning commercially available gasoline, alcohol, or alcohol/gasoline mix.
 - d) Cars using alcohol shall display the appropriate decals per 2.10 above.
 - e) All 2-cycle engines shall be equipped with a muffling device on each exhaust pipe.

- f) Any four-stroke cycle engine having 2 valves per cylinder and any piston ported two-stroke cycle engine may have a maximum displacement of 850 cc.

5.0 FOOT PROTECTION

All Cars shall have a main frame, or suitable extension, which encloses the foot pedals at their foremost depression.