



# PORTARAMA FAMILY FESTIVAL

Port McNicoll, Ontario

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## 2019 Soapbox Derby Cart Specifications Final



- 1) There will be two classes of derby carts this year; Stock and Custom;
- 2) Soapbox Derby carts are powered by gravity only – no engines or motors;
- 3) The driver must sit in the cart, facing forward and control the cart using only hands and feet;
- 4) The cart must fit the driver. Drivers must be able to get in and out of the cart without stretching or straining;
- 5) Measures must be taken to prevent wheels from falling off the cart using lock nuts, cotter pins, wire tying or other means;
- 6) Minimum ground clearance with driver in cart is 3”;
- 7) Cart must be equipped with a functioning brake that can stop the cart – hand or foot controlled. Cart operator cannot use their own foot or feet on the pavement to stop their cart. Brake must be capable of slowing the car to a smooth, short and safe stop;
- 8) Plywood and hardwood are permitted structural materials. The basic structure is defined as the chassis on which the driver sits and to which the axles, steering and brake mechanisms, and body shell are attached;
- 9) All basic structures must be securely fastened to each other using bolts, screws or other suitable fasteners;
- 10) Cable links used in brake systems must be secured and not slip under stress;
- 11) Adjusting hardware such as turnbuckles must be lock wired in the final adjusting position;
- 12) There shall be no exposed sharp edges or points;
- 13) Carts must be equipped with a seat belt for the driver;
- 14) Paint schemes will be left to the cart builder’s imagination. No scheme considered vulgar or disrespectful by the committee will be allowed. If you are not sure about your design, then please check with the committee first;
- 15) Maximum overall cart length is 49” for stock and 72” for custom;
- 16) Minimum wheel base (distance between front and rear axle) is 37” for stock and 48” for custom;
- 17) Maximum wheel base for stock is 37” for stock and 56” for custom;
- 18) Axle width between wheels is 22” for (front and rear) for stock;
- 19) Axle width between wheels must be between 30” and no more than 44” for custom;
- 20) Front and rear axles must be the same width for custom only;
- 21) Cart must have four wheels with wheels standardized to match wheel kits available from Derby GoKit in Winnipeg. Solid rubber wheels of 6” front and 7” rear. No bearings in the wheels allowed for stock only;
- 22) Steering system must also conform to the design of the Derby GoKit kits for stock;
- 23) Any exceptions to these specifications must have prior approval from the Soapbox Derby Race Official;
- 24) Carts will be inspected prior to each race to ensure they are deemed safe for racing. Ruling by the inspectors shall not be challenged;
- 25) Specifications subject to change without notice. Updates will be posted to our Facebook page;

BE CREATIVE IN YOUR DESIGN



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