

## POWRi Jr. Sprint Rules

### SPECIFIC RULES

**1.Age.** Drivers ages 6 through 11 (A driver whose 12th birthday falls during the racing season will be allowed to finish the season in which they began accruing points before their birthday. Racing season starts March 1st.) may compete in the "J" Class. It is recommended that parents/guardians read and understand these rules. If a driver in the Jr. Sprint class chooses to run a higher class at a Port City Raceway points event, they may not run more than 5 races in that higher class. On the 6th time, they cannot move back down to Jr. Sprint – EXCEPTIONS: Special events will not count as one of the 5 events.

**2.Roll cage.** Roll cages shall be at least 1 inch .083 wall thickness mild steel, or 1 inch .065 wall thickness chromoly steel minimum. The front section of the cage shall be no further back than the steering wheel. Roll cage shall have sufficient fore and aft bracing and strength to support the weight of the car & driver in case of an upset. Cage shall have gussets at the intersecting bars to the uprights. Bends must have at least 3-inch radius. No square or pointed corners allowed. Roll cage must be a minimum of 3 above the driver's helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

**3.Cockpit Controls.** On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be functional. No radio communication is allowed with the car or the driver. The box that hangs on the fence was clarified as not being radio communication to car or driver and will be allowed. (This is the infrared transmitter used to trigger the lap timer function on Mychron style devices. Concerns had been raised that this "box" might be capable of "communicating" with a car on the track. Further review by the board proved no "communication" was possible.) Cockpit controls: carb adjusters kill switch and engine monitor. No wing sliders or pan hard adjuster's driver operated in cockpits.

**4.Fuel.** Racing gas or pump gas allowed, not to exceed 110 octanes. 0 to negative on the Digitron fuel tester will be permitted. Anything on the positive range will be illegal. You may run methanol. NO upper end lubricants will be allowed. NITRO products are NOT allowed. Safety cell is recommended, but the aluminum go cart tank with a sealed lid will be allowed after tech inspection.

**5. Weight.** Jr. Sprint Class cars, minimum car and driver weight 400 lbs.

**6.Suspension.** Coil-over shock suspension or torsion bar suspension allowed. Tread; Maximum 46 inches. Minimum 32 inches, center to center of tires. Wheelbase; Maximum 52 inches. Minimum 50 inches, center of Any car leaving the track at a high rate of speed will be subject to a \$200 fine & two (2) 11 front axle to center of rear axle. Rear axle to be steel 1 1/4" min diameter or the new aluminum axle. Steering: Front wheels must be connected by a solid or tubular tie rod. Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.

**7. Shocks.** Aluminum or steel body shocks are legal.

**8.Tires and Wheels.** Wheels to be 8" diameter, steel or aluminum. All four corners of tires are to be Hoosiers. The right rear spec tire is to be the Hoosier Jr. Sprint tire 16.0/8.5/8/8 RD 20. You can groove or sipe all tires. Wheels must be held on with 4 or more standard lug nuts or knock-off hubs. Three spoke front wheels may be ran if they are manufactured that way. NO TIRE DOPING.

**9.Bodies.** All cars must have complete bodies of Sprint Car design only. Tail sections must be in place for time trials and all races. There must be a metal firewall between driver and engine, made of 24-gauge

steel or .0625" aluminum. Body of car must be made of aluminum, metal, fiberglass, or high impact plastic. All cars must be painted an attractive color or colors. No rear view mirrors. The only part of the car allowed to be dismantled for driver to enter or exit is a quick release steering wheel hub. Mud guards must be aluminum, metal, fiberglass, or high impact plastic. There will be no tops or body encasements allowed. Minimum opening on the right side of the car will be 14" from top of roll cage to the top of the mud guard or sissy bar and 16" minimum from front down tube to the back. All mechanically operated devices must be mounted below the driver's shoulders for safety. All fuel tanks must be equipped with a one-way check valve designed to prevent the spillage of fuel from the fuel tank vent in the event of a rollover.

**10. Transmission.** The drive will be by engine or jackshaft mounted clutch. No axle mounted clutches allowed. No direct drive will be allowed. Chain guards will be made of .060-inch-thick aluminum or equivalent and will run on top of chain from the front of the front sprocket to the center of the rear axle. Driver must not be able to touch the chain or sprockets while sitting in the cockpit.

**11. Wings.** Right sideboard, maximum 42" x 20" - 16" x 16" minimum. Left sideboard, maximum 42" x 20" - 18" x 18" minimum. Overall wing size minimum 5.5. The wing cannot be mounted outside the centerline of the tires. Side boards may not extend more than 3" beyond center section and sides must cover center section. All wings must have 1/16" radius edges or edging. No raw edges. No wood except for ribs or spars inside center section. Nose wings cannot exceed 24"x 18" and must carry car number. Side boards not to exceed 8.5 inches tall and 21 inches long. Top wings are mandatory to enter a night's event. Cars may finish without a wing if no replacement is available. Side boards must be 90 degrees to the center section. The sideboard kick out cannot exceed 2 inches. It is your responsibility to check the size of your wing to make sure it is correct.

**12. Hubs.** Front hubs; Go kart type with 5/8" bearings and 5/16" wheel studs minimum. Rear hubs: Douglas 5 x130 Go kart type or equivalent or the new aluminum axle and wheels or any new style hub approved by tech inspection.

**13. Engine Rules.** For the motor specs for the Briggs and Stratton World Formula engine, Visit Port City Raceway website at [www.portcityraceway.net](http://www.portcityraceway.net). to download the engine rules. The ONLY exception is you may run Stainless Exhaust Valves (stock size). You may also run inserted after-market rods (stock size).

**The Briggs and Stratton engine is the only engine allowed!**