



## JR SPRINT

1. **Age** Drivers ages 6 through **13** (**A driver whose 14<sup>th</sup>** birthday falls during the racing season will be allowed to finish the season in which they began accruing points before their birthday. It is recommended that parents/guardians read and understand these rules.
2. **Roll cage.** Roll cages shall be at least 1" .083 wall thickness mild steel. or 1" .065 wall thickness rolled chrome moly 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 the 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. Cockpit controls: carb adjusters kill switch and engine monitor. No wing sliders or pan hard adjuster's driver operated in cockpits.
4. **Fuel. Methanol only. Upper end lubricants and NITRO products are NOT allowed.** Safety cell is recommended. but the aluminum go kart 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 front axle to center of rear axle. Rear axle to be steel 1-1/4" min diameter or the new aluminum axle.
7. **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.
8. **Shocks.** Aluminum or steel body shocks are legal.
9. **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 16.018.5/8/8 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.**
10. **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. 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.

11. **Numbers.** All karts must have legible numbers painted in contrasting colors on both sides of the kart and the nose. Minimum height of numbers is 8" on the nose and nose wing, 10" on each side of the tail and 12" on the wing. Numbers must be separated from advertising so they will be readable. No gold or silver leaf or prismatic numbers will be allowed on the karts. Remember: The easier your numbers are to read, the easier they are to score!
12. **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.
13. **Wings.** Right side board, maximum 42" x 20" - 16" x 16" minimum. Left side board, maximum 42" x 20" - 18" x 18" minimum. Overall wing size minimum S.S. 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. **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.
14. **Hubs.** Front hubs: Go kart type with 5/8" bearings and 5/16" wheel studs minimum. Rear hubs: Douglas 5 x 130 Go kart type or equivalent or the new aluminum axle and wheels or any new style hub approved by tech inspection.
15. **Engine Rules.** The only engines approved for the Jr. Sprint Class is Briggs & Stratton World Formula. The Briggs & Stratton World Formula will use a RLV 5442S header and RLV 4100 silencer or stock pipe as defined in the Briggs World Formula rules. Loosely mounted mufflers/silencers will mean disqualification. If your muffler falls off during the race you will be disqualified. Briggs & Stratton engine must meet the Kid Sprint USA Briggs & Stratton World Formula Rules dated 03-21-07 or later. These can be found at [www.worldkarting.com](http://www.worldkarting.com)

#### **Rules are subject to change by Race Director**

The Briggs & Stratton World Formula engine is the only engine allowed!