

# COLES COUNTY SPEEDWAY

## "J" (Junior) Class Rules

### 2009

#### SPECIFIC RULES for "J" Class

- 1. Age.** Drivers ages 6 through 12 (A driver whose 13<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.) may compete in the "J" Class.
- 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 inches above the drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.
- 3. Bumpers and Nerf Bars.** Car must have bumper extending beyond the front and rear tires. Nothing may extend beyond a tangent line from the outside edge of the tires to the bumpers. Nothing may extend beyond the outside edge or the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with Nerf bars. Nerf bars must extend to inside edge of tires, but not beyond the outside of tire.
- 4. Safety.** Seat belts must be securely attached to the car and used at all times. Metal to metal latches only. 5 point seat belts, shoulder harness and sub strap are required. Belt dates must not be over three years old. (Example: Oct 06 may be used in 2007, 2008 and 2009.) Arm restraints are mandatory and must be adequately adjusted to keep the drivers hands below the top of the roll cage. Helmets must be full head coverage competition type and one of the three latest SNELL approvals. All drivers will wear a name brand flame-retardant uniform. Neck braces, cage nets and/or head and neck restraint with a SFI 3.2-1 rating or higher are mandatory. SFI gloves are mandatory for safety.
- 5. 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. Cockpit controls: carb. adjusters, kill switch, starter button and engine monitor. No wing sliders or pan hard adjusters driver operated in cockpits.
- 6. Battery.** All wet cell batteries mounted in the cockpit must be covered and vented outside the cockpit area.
- 7. Fuel.** Fuel is to be 600 Micro Sprint USA approved fuels for the J class
- 8. Weight.** "J" Class cars, minimum car and driver weight 400 lbs.
- 9. Suspension.** Coil-over shock suspension only. **Tread;** Maximum 48 inches outside to outside of rear tires. 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 or aluminum 1 1/4" min dia. **Steering;** Rear wheel drive only. All suspension bolts except wheel nuts must be secured by some type of locking device.
- 10. Shocks.** Aluminum or steel body shocks are legal.
- 11. Brakes.** Brakes will be of sufficient strength so as to slide the wheels while the car is in motion at any given time.
- 12. Tires And Wheels.** Wheels to be 8" dia steel or aluminum non-bead lock only. Right rear spec tire to be 16 x 8.50 x 8 American Racer (McCreary) JKKN8 stamped NMMA SD44. There can be no grooving, siping, softening or altering the tire in any way. It should be as it arrives from the manufacturer. Wheels must be held on with 4 or more standard lug nuts or knock-off hubs.

**13. Bodies.** 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. All mechanically operated devices must be mounted below the drivers 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.

**14. 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 .090 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.

**15. Wings.** Right side board, maximum 42" x 20". Left side board, 42" x 20". Minimum size is 6 sq. ft. 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. Wings sides cannot be more than 4" below top of roll cage. Nose wings cannot exceed 24"x 18", and must carry car number. Top wings are mandatory to enter a night's event. Cars may finish without a wing if no replacement is available.

**16. Numbers.** Numbers must be separated from advertising so they will be readable. .

**17. Ballast.** Any material used for ballast must be firmly attached as a part of the car's structure. No liquid or loose ballast such as water, fuel, oil, sand bags, rocks, log chains etc. allowed

**18. 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.

**19. Engine Rules.** The only engine that is legal is the Briggs & Stratton World Formula. The Briggs 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. Engine legality will be determined by using the Briggs World Formula engine rules. The Briggs World Formula NMMA engine rules are available from online at: [www.nmmaracers.com](http://www.nmmaracers.com).