

JR Sprint Rules

AGE

Drivers ages 6 through 12 may compete in the Junior Sprint Class. A driver whose 13th birthday falls during the racing season will be allowed to finish the season in which they began accruing points before their birthday. Exception: drivers age 5 with prior racing experience that can prove they can safely handle the car can participate with the tracks approval and must start at the rear for a minimum of 3 racing programs. Once a driver moves to and runs the Restrictor Class for a full season they are no longer eligible to run the Junior Class. At any point a Junior Class driver races a Wing or Non-Wing race they are no longer eligible to race the Junior Class

A copy of birth certificate or state issued photo ID must be provided for any driver under the age of 18.

ROLLCAGE

Roll cages shall be at least 1 inch .083 wall thickness mild steel, or 1 inch .065 wall thickness chromoly steel. 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 in above the drivers helmet. It is mandatory to install a cross brace behind the seat to support the shoulder harness.

BUMPERS and NERFS

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 of the tires or wheels, whichever is the widest. No sharp corners or design as to hook or damage. All cars must be equipped with nerfing bars. Nerfing bars must extend to inside edge of tires, but not beyond the outside of tire.

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 14 may be used in 2015, 2016 and 2017.) 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 restraints with a SFI 3.2-1 rating or higher are

mandatory. SFI gloves are mandatory for safety.

ELECTRICS and ELECTRONICS

On and off switches must be on dash, top of the cowl or on steering wheel. On/off switch must be connected and 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.

BATTERY

All wet cell batteries mounted in the cockpit must be covered and vented outside the cockpit area.

FUEL

Gas or Alcohol.
Performance enhancing additives are prohibited.

WEIGHT

Junior class cars, minimum car and driver weight 400 lbs.

SUSPENSION

Coil-over shock suspension only.

Tread: Maximum 56 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 minimum 1 1/4" dia.

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. Some type of locking device must secure wheel nuts.

SHOCKS

Aluminum or steel body shocks are legal.

BRAKES

Brakes will be of sufficient strength so as to slide the wheels while the car is in motion at any given time

TIRES and WHEELS

Wheels to be 8" dia steel, aluminum or carbon fiber. Right rear spec tire to be 16 x 8.50 x 8 American Racer JKKN8 stamped NMMA or 16x 8.5 x 8 Hoosier stamped RD 20. 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 lugs or knock off hubs.

BODIES

All cars must have complete bodies. 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 .050" 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.

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.

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.

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.

NUMBERS

All cars must have legible numbers painted in contrasting colors on both sides of car 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 cars. Remember: The easier your numbers are to read, the easier they are to score!

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.

STAGING AREA

Once a car enters the staging area it is considered race ready. No legality changes may be made. If a car is not legal once it reaches the staging area it will be disqualified for that specific event.

COCKPIT ADJUSTMENTS

Functioning cockpit adjustments are NOT allowed.

SELF STARTING

All cars must be self starting. Any car requiring a push vehicle prior to the initial green flag will start at the tail of that race.

ENGINE

The only engines approved for the Jr. Sprint Class 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. 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.gokart racingengines.com.