



2023 Super Sprint Car Rules

Evergreen Speedway, Monroe, WA

Revised 11/28/2022

Rule Book Disclaimer

The rules and regulations are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern all events, and by participating in these events. All participants are deemed to be in compliance with these rules and regulations. All rules are subject to the interpretation of the track officials. Any equipment the officials consider exotic or not in the interest or intent of the rules will be considered not legal for competition and subject to confiscation.

NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.

These rules are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant spectator official or others. The Technical Director shall be empowered to permit minor deviations from any of the specifications or impose further restrictions that, in his opinion, do not alter the minimum acceptable requirements.

NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATIONS OF SPECIFICATIONS.

Interpretation of, or deviation from these rules is left to the discretion of the Officials. Their decision is final. It's the responsibility of the driver to ensure their car conforms to all rules and regulations at all times.

ALL RULES ARE SUBJECT TO INTERPRETATION OF THE TRACK OFFICIALS. ANY EQUIPMENT THAT THE OFFICIALS CONSIDER EXOTIC OR NOT IN THE INTENT OF THE RULES WILL BE CONSIDERED ILLEGAL FOR COMPETITION. IN THE INTEREST OF FAIRNESS, THE RULES MAY BE ADJUSTED TO CREATE A BALANCE IN COMPETITION

All model, engine or equipment changes not addressed in this must be submitted for consideration or approval prior to the date of intended usage in competition. All equipment is subject to the approval of track officials. No equipment will be considered as having been approved by reason of having passed through inspection unobserved, undetected, or considered legal in previous season's rules. The Technical Director reserves the right to allow non-conforming measurements and components with or without penalty. Decision of officials is final. Evergreen Speedway reserves the right to confiscate any equipment deemed illegal.

This Rule book is designed to be used in conjunction with the Evergreen Speedway General Rules. Please familiarize yourself with both.

1. CAR CONSTRUCTION

1.1. Wheelbase:

- 1.1.1. 84" Minimum 90" Maximum

1.2. Overall length of car:

- 1.2.1. 168" Max

1.3. Overall Width:

- 1.3.1. 78" Max front or rear (Measured outside to outside of tire, sidewalls included)
- 1.3.2. The tread must be at least 47" center to center

1.4. Offset:

- 1.4.1. The Maximum chassis offset allowed, for both front and rear wheels is four (4) inches (8 inches overall) measured to the inner wheel bead seat
- 1.4.2. Right Rear 43" Max (measured from the outer rim surface of the wheel bead seat to the centerline of the rear axle center section)
- 1.4.3. Left Rear 31" Min (measured from the outer rim surface of the wheel bead seat to the centerline of the rear axle center section)
- 1.4.4. Right Front 43" Max (measured from the outer rim surface of the wheel bead seat to the centerline of the chassis)

1.5. Front Engine, Rear wheel drive cars only

1.6. Engine must be mounted upright. 1 degree maximum from vertical

- 1.6.1. Maximum engine offset from chassis centerline is ½"

1.7. No driver adjustable suspension of any kind

1.8. No driver adjustable aero components EXCEPT wing sliders are allowed

1.9. Roll Cage.

- 1.9.1. Roll Cages are mandatory on all cars
- 1.9.2. Must be constructed of seamless steel tubing with a minimum O.D. of 1 ¼" and a minimum wall thickness of .095 inches
- 1.9.3. Roll cage must be welded to and become an integral part of the frame
- 1.9.4. Cage must be adequately braced to protect the driver in the event of an accident
- 1.9.5. The bottom surface of the roll cage halo must be a minimum of 2" higher than the driver's helmet
- 1.9.6. Any bars that the driver or his safety equipment may come in contact with, must be padded
- 1.9.7. All padding must meet SFI 45.1 specifications
- 1.9.8. No pitman arms or drag links allowed within the roll cage

1.10. Steering, Suspension and Axles

1.10.1. Steering

- 1.10.1.1. All steering mechanisms must be engineered and assembled in accordance with sound engineering principles
- 1.10.1.2. Recommended that all highly stressed steering components be made from SAE 4130 steel or an alloy specified by the manufacturer of the part as equivalent in necessary strength for its intended use
- 1.10.1.3. Rack and pinion steering is allowed
- 1.10.1.4. A steering wheel designed for racing use with a quick release mechanism is required

1.10.2. Suspension

- 1.10.2.1. No Independent suspension allowed (front or rear)

1.10.2.2. Chassis utilizing front torsion bars may not have the bar tubes below the horizontal centerline of the front spindles

1.10.2.3. Sway bars allowed

1.10.3. Axles Tubes and Rear End

1.10.3.1. Front axles must be constructed of SAE 4130 steel or a steel alloy equivalent. No titanium allowed

1.10.3.2. Rear end assembly must be of a conventional quick-change type with only one set of spur gears located behind the ring and pinion

1.11. Electrical/Electronics

1.11.1. Ignition shutoff must be a toggle style switch

1.11.1.1. Must be mounted within easy reach of the driver

1.11.1.2. "on and off" positions must be clearly marked

1.11.2. Batteries

1.11.2.1. Batteries must be securely mounted

1.11.2.2. Lead acid batteries must be fully enclosed in an approved battery box

1.11.2.3. All cars with batteries must have a clearly marked master disconnect switch

1.11.3. All electronics to be removed from car on race day.

1.12. Traction control Devices

1.12.1. No traction control devices of any kind will be allowed, mechanical or electronic.

1.13. Glass

1.13.1. No Glass including mirrors will be allowed (except instruments)

1.14. Fuel Cell and Fuel Systems

1.14.1. Fuel Cell

1.14.2. Must be a USAC Approved type

1.14.3. Must be securely mounted and supported

1.14.4. Cell must be mounted behind the driver and centered on the chassis. Must be above the frame rails

1.14.5. Fuel caps must be approved racing type

1.14.6. Tank vent must have a check valve

1.14.7. Fuel System

1.14.8. A ¼ turn shutoff valve is required and must be clearly marked for the on and off positions

1.14.9. Metal Fuel Filters only

1.14.10. No spring style fuel line clamps

1.14.11. Car using an electric fuel pump must have a functioning low oil pressure shutdown switch wired in

1.14.12. Throttle

1.14.13. Toe strap required

1.14.14. The throttle pedal must have a wide-open stop

1.14.15. Cable style throttle mechanisms must be encased to ensure push-pull action

1.14.16. A minimum of 3 throttle return springs are required

1.14.16.1. Must be connected to different locations on the throttle system. One spring must be on the butterfly shaft.

1.15. Exhaust

1.15.1. A 95 db spec muffler is required. Similar or equivalent to the Schoenfeld 14272735-78

1.16. Cooling

1.16.1. All cars must have a radiator overflow catch can or run the overflow tube into the header a minimum of three (3) feet before the final exhaust outlet

1.17. Brakes

1.17.1. All cars must be equipped with foot operated brakes that stop all wheels

1.17.2. No Copper tube allowed anywhere in the braking system

1.17.3. Steel brake rotors only.

1.18. Body and Wings

1.18.1. Body

1.18.1.1. A full firewall is required between the engine and driver's compartment

1.18.1.2. Belly Pan/Floorboards must cover frame rail to frame rail side to side and extend (at a minimum) from the firewall to a point six (6) inches past the leading edge of the seat

1.18.1.2.1. They may extend forward to the front of the engine

1.18.1.2.2. They may not extend rearward farther than leading edge of the rear axle

1.18.1.2.3. Must be flat with no added aero components

1.18.2. Cars must have complete body panels including hood

1.18.2.1. Hood must be on the car at all times it is on the racing surface

1.18.3. No body work or aero components may extend over any portion of the front or rear tires

1.18.4. Body must be mounted on the centerline of the chassis

1.19. Bumpers

1.19.1. All cars must have front and rear bumpers

1.19.1.1. Must extend a minimum of 6" ahead of the front tires and 6" behind the rear tires

1.20. Side Nerf Bars

1.20.1. Nerf bars are required

1.20.1.1. Not to extend beyond the outside edge of the tire

1.20.1.2. Must be constructed from SAE 4130 alloy tubing or equivalent having an O.D. of one (1) inch, with a minimum wall thickness of .065 inch and a maximum wall thickness of .120 inch

1.20.1.3. No Ballast allowed in nerf bars

1.21. Wings

1.21.1. Top wing

1.21.1.1. Maximum top wing area is 25 square feet

1.21.1.2. Maximum width OR length of 72"

1.21.1.2.1. Cannot extend outside of the rear/tire assemblies

1.21.1.3. Sideboard vertical height will be a max of 30" Sideboard length will be a max of 72"

1.21.1.4. No wing lip (wickerbill) to exceed 1" in height

1.21.1.5. Single stage wings only

1.21.1.6. Driver adjustable wing slider allowed

1.21.2. Front/Nose wing

1.21.2.1. Maximum front/nose wing is 6 square feet

1.21.2.2. 36" maximum width

1.21.2.3. Shall not extend beyond the front bumper

1.22. Cockpit

1.22.1. Cockpit opening must be of adequate size to allow the driver to enter or exit unassisted easily

1.22.2. Driveshaft and torque arm

1.22.2.1. All revolving parts inside the cockpit must be shielded by a suitable guard. (fully enclosed)

1.22.2.2. Torque arms located within the cockpit must be restrained with safety loops of adequate strength

1.22.3. No radiators or coolers of any kind are allowed to be placed above or beside the cockpit opening

1.22.4. All chassis protrusions roll cage tubes and roll bars in close proximity to the driver's helmet must be padded with a securely attached, SFI approved high-density impact material

1.23. Wheels and Tires

1.23.1. Wheels

1.23.1.1. Wheels must be designed and manufactured specifically for racing

1.23.1.2. Bead locks permitted

1.23.1.3. Any car using a lug nut type right front hub must use all six lug nuts. A 360-degree pressure plate of either 1/8" steel or 3/16" aluminum must be used. Plate must be between the lug nuts and wheel face. Wheels manufactured with reinforced/built in plates are not required to run an additional plate.

1.23.2. Tires

1.23.2.1. Qualifying tires must be used to run the all heats and the main event(s). B-main cars are allowed any tires for that feature. Transfer cars must start the A-main on their qualifying tires.

1.23.2.2. At no time are softener, additives, chemicals, enhancers or strengtheners to be applied to any tire

1.23.2.3. ~~Mechanical/Diaphragm style air bleeders allowed. NO electronic controlled bleeders of any kind permitted.~~ No air bleeders allowed at any time.

1.23.2.4. Approved Tires

1.23.2.4.1. Right Rear: Hoosier 2045

1.23.2.4.2. Right Front: Hoosier 2030

1.23.2.4.3. Left Rear: Hoosier M20

1.23.2.4.4. Left Front: Hoosier 2010

2. BASE WEIGHT WITH DRIVER AT ALL TIMES

2.1.360 1600 lbs

2.2.410 1650 lbs

3. Weight

3.1. All cars must meet the minimum weight listed above with the driver at all times.

3.2. Added weight must be securely bolted within the confines of the frame tubes. No farther than 16" forward of the front engine mount and no further rearward than the back of the seat.

3.3. All Ballast must be painted white and marked with car number.

3.4. Solid block only, no pellets or liquid. Weight shifting devices are not allowed.

3.5. No tungsten or other exotic materials allowed. The Tech Director's decision on what qualifies as exotic is final.

3.6. Penalty of **\$10.00 PER LB** will be added for weight lost on the racing surface.

4. ENGINES

4.1. Must be piston driven, cam in block, production-based engine

4.2. No superchargers, turbos or nitrous oxide allowed

4.3. Engine blocks must be American or Canadian made.

4.4. No big blocks allowed

4.5. Displacement, & Restrictors

4.5.1.1. Restrictors

- 4.5.1.1.1. Must be round and centered in the stacks,
- 4.5.1.1.2. I.D. must be continuous for a minimum of two (2) inches.
- 4.5.1.1.3. No alterations to bypass restrictor, outside circumference of restrictor must be sealed against inside of stack.

4.5.1.2. Displacement

- 4.5.1.2.1. Engines will be pumped at Tech Inspector's discretion.
- 4.5.1.2.2. Engines that pass the pump test can be sealed by Evergreen Speedway.
 - 4.5.1.2.2.1. Evergreen sealed engines will not be pumped again in the same season if the seals remain intact and don't have the appearance of being tampered with.
 - 4.5.1.2.2.2. It is the racer's responsibility to have holes drilled through 2 adjacent head bolts. Holes must be a minimum of 1/8".
- 4.5.1.2.3. Any engine pumping outside the allowed cubic inch will be marked & sealed by the Tech Inspector and plans will be made to have the engine measured for compliance.
 - 4.5.1.2.3.1. The formula $6.2932 \times \text{bore}^2 \times \text{stroke}$ will be used to calculate the cubic inch
 - 4.5.1.2.3.2. Refusing to have the engine torn down for inspection or failing the inspection will result in a loss of all season points to date, The engine being disqualified from further competition and a fine equal to all purse money awarded that season or \$5000 usd, whichever is more

4.5.1.3. 360 engines. Maximum displacement is 360.0 cubic inches +/- 1%

- 4.5.1.3.1. Cast iron block with 23-degree head(+/- 2 degrees) No Restrictions Required
- 4.5.1.3.2. Aluminum block with 23-degree head(+/- 2 degrees) 2 3/16" Restricted Injection
- 4.5.1.3.3. Aluminum block with heads other than 23-degree 2" Restricted Injection

4.5.1.4. 410 engines. Maximum displacement is 410 cubic inches (zero tolerance)

- 4.5.1.4.1. 410 engines must run 1 7/8" restricted injection.
- 4.5.1.4.2. Plenum style induction is permitted.
 - 4.5.1.4.2.1. Must run a 1 7/8" (1.875") restrictor in each runner.
 - 4.5.1.4.2.2. Must be located as close to the cylinder head as possible

5. Radios

- 5.1. RaceCeiver (or Equivalent) one-way radio tuned to the track frequency is required during all race events
 - 5.1.1. Radio frequency will be posted at the Tech Inspection area

6. TRANSPONDERS

- 6.1. Transponder must be run at all times, including ALL PRACTICE SESSIONS to insure proper operation with scoring. Transponders may be rented from Evergreen Speedway. If you enter the racing surface with no transponder you will be Black Flagged. If this happens during a race, you will relinquish your starting position and return to the pits to obtain one.

7. 19. SEASON POINTS and LINE-UPS

- 7.1. Points will be issued for qualifying using the following format

- 1st 8 points
- 2nd 6 points
- 3rd 5 points
- 4th 4 points

- 5th 3 points
- 6th 2 points
- 7th and back 1 point

7.2. Heat races and Main events will be lined up using qualifying times

7.3. Pit Stewart will be in charge of invert draw

PERSONAL SAFETY EQUIPMENT

A. GENERAL

1. Evergreen Speedway is not responsible for the effectiveness of any personal safety equipment.
2. Each competitor is solely responsible for the effectiveness of personal safety equipment used during an event.
3. Each competitor is expected to investigate and educate him or herself fully in respect to the availability and effectiveness of personal safety equipment.
4. It is strongly recommended that during race conditions, any crew member that steps into the car servicing area have all parts of the body protected by fire resistant clothing and/or equipment, including helmet.

B. PROTECTIVE CLOTHING

1. Fire resistant clothing and equipment must protect all parts of a driver.
2. Evergreen Speedway requires that all sprint car drivers wear a minimum two-layer fire suit, Nomex (or equivalent) underwear, gloves, head sock and fire retardant shoes in good condition OR a three-layer Nomex (or Equivalent) fire suit meeting SFI rating of 3-2A/5, gloves, head sock, and shoes. It is recommended that all drivers wear a minimum of a four-layer fire suit, along with fire resistant underwear, balaclava, socks gloves and shoes in good condition.
3. IT IS THE RESPONSIBILITY OF THE DRIVER, NOT EVERGREEN SPEEDWAY, TO ENSURE THAT HE/SHE MAINTAINS, WEARS AND PROPERLY USES PROTECTIVE CLOTHING.

C. HELMETS

1. Drivers must wear a helmet meeting the specifications set forth in The Federal Regulations, Federal Safety Standard, or meet the specifications set forth by the American National Standards Institute Inc. at all times on the race track.
2. **Snell SA2015** or newer only. Full face helmets required. NO EXCEPTIONS.
3. The driver must wear the helmet in accordance with the directions provided by the helmet manufacturer. Any modifications to the helmet for any purpose should not detract from its effectiveness.

D. HEAD AND NECK RESTRAINT DEVICES

1. At all times during any event (practice, qualifying and competition) drivers must connect their helmet to an SFI approved head and neck restraint device system. The head and neck restraint device must be connected as per the manufacturer's instructions and it must be configured, maintained and used in accordance with the manufacturer's instructions.
2. **Head & Neck restraints must be dated by the manufacturer and must not be used beyond five years after the manufacture date. Recommend replacement or recertification after three years**
3. IT IS THE RESPONSIBILITY OF THE DRIVER, NOT EVERGREEN SPEEDWAY, TO ENSURE THAT HIS/HER DEVICE/SYSTEM IS SFI APPROVED AND CORRECTLY INSTALLED, MAINTAINED AND PROPERLY USED.

E. SEATS

1. Only commercially manufactured aluminum racing seats are permitted.
2. All seats must be padded with high impact foam.
3. A padded headrest with a minimum thickness of one (1) inch is mandatory.

F. SEAT BELTS AND SHOULDER HARNESS

1. An SFI rated five (5) or six (6) point harness is required
2. Belts should be mounted and worn per the manufacturer's recommended instructions.
3. A quick release lap belt of no less than 3" wide is required. Both ends of the lap belt and both ends of the shoulder harness must be fastened to the roll bar with Grade 8 bolts not less than ½" in diameter.
4. The shoulder harness and lap belts must be bolted so that the ends of the belts move freely. Shoulder harness must be no less than 3" wide. Shoulder harness inertia reels cannot be used.
5. A center or submarine belt must be mounted to the lower seat frame at the bottom.
6. Where the belt passes through the seat edges, it must have a grommet installed, be rolled and/or padded to prevent cutting.
7. All seat belts and shoulder harnesses must connect at the lap belt with an approved quick release buckle. No rotary release mechanisms.
8. Seat belts must be dated by the manufacturer and must not be used beyond five (5) years after the manufacture date. Recommend replacement after three (3) years.

G. ARM RESTRAINTS

1. SFI rated arm restraints are required.

H. Roll Cage Nets

1. Roll cage nets on both sides of the cockpit are mandatory on all cars that do not have a full containment seat.
2. Must be fitted with a functioning quick release mechanism.

I. FIRE EXTINGUISHER

1. All entrants must have in their pit area as part of their equipment at all times a fully charged minimum 10-pound capacity dry chemical Halon or its equivalent with a visible operating gauge and current inspection certificate.

GENERAL INFORMATION

All participants are expected to take pride in being part of our entertainment. Racing entertainment is what we sell to the public and we will not tolerate anyone or anything that detracts from the show. Cars in the opinion of the Officials that lack in appearance or are deemed unsafe will not be allowed to race until acceptable. All car construction rules will be decided by NASCAR tech inspectors. Burden of proof on any concern will be the responsibility of the driver.

ALL NUMBERS WILL BE ASSIGNED BY THE SPEEDWAY OFFICE (360) 805-6100.

WHAT TO DO IF YOU ARE INJURED IN AN ACCIDENT AT EVERGREEN SPEEDWAY

1. Have the ambulance attendant check you out and fill out an accident report.
2. GET MORE MEDICAL ATTENTION IF NECESSARY.
3. **Inform the Speedway office if you need to open a claim.**

It is the responsibility of the driver to ensure their car confirms to all rules and regulations at any time while on the racing surface or anywhere on premises. This includes practice, qualifying and competitive racing.

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