



BARONA SPEEDWAY 360 SPRINT RULES 2019

ALL CHANGES ARE HIGHLIGHTED IN YELLOW!

YOUR INTERPRETATION OF THESE RULES AND ANY WORK DONE ON YOUR RACE CAR IN AN ATTEMPT TO COMPLY WITH THESE RULES IS SUBJECT TO TECH APPROVAL. ANY MODIFICATIONS NOT ADDRESSED IN THESE RULES WILL NOT BE ALLOWED UNLESS APPROVED BY TECH OFFICIALS.

ALL DRIVERS AND CREWMEN ARE REQUIRED TO READ AND COMPLY WITH THE 2019 BARONA SPEEDWAY GENERAL RULES & RACE PROCEDURES.

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1. **ELIGIBILITY**

- A. This is a Non-sanctioned Open Class 360 Sprint Car Series.
- B. Only sprint appearing type bodies, tails and hood will be allowed. Must be rear drive.
- C. Any Sprint car chassis is allowed but it must pass any test prescribed by safety inspectors to insure its safety of design and construction.
 - 1). No roadster type chassis allowed.
 - 2). No dirt champ cars allowed.
- D. Minimum wheelbase of 83 inches and a maximum wheelbase of 90 inches.
- E. No weight rules.

2. **BODY**

- A. Securely mounted bumpers and nerf bars are mandatory.
- B. Front and rear bumpers must be attached in a safe manner.
 - 1). No cotter keys or rivets.
- C. Rear bumper must be steel.
 - 1). No aluminum bumpers or nerf bars.
- D. Nerf bars must not extend outside of tires.
- E. Side nerf bars which cover at least $\frac{3}{4}$ of the rear tire width, minimum three (3) points of attachment.
- F. All cars must start and complete each race with side and rear nerf bars intact.
- G. Cars must start race with front bumper intact but may continue to run with front bumper missing if lost during event.
- H. Rock screen mounted in front of driver in cockpit windshield area to provide driver protection required.
 - 1). No temporary fasteners such as tie wraps, bailing wire, tape, etc.
 - 2). Hose clamps recommended for this purpose.
 - 3). Attachment method must be tech approved.
- I. All body panels must be readily removable.
 - 1). No rigidly attached body panels to frame allowed.
- J. Sun visors are limited to 9" in height and to be no wider than the roll cage.
- K. No mirrors or reflective surfaces of any kind are allowed.
- L. Cars need to be clean with body panels intact at the beginning of each race meet.

- 1). No sharp edges on body parts allowed.
3. **CHASSIS**
 - A. All chassis materials must meet chromoly standards.
 - B. No elliptical (oval Shaped) tubing used on or as part of the main structure.
 - C. No aluminum frames/chassis.
 - D. You may have up to two (2) adjuster knobs in the driver's cockpit for shock absorbers.
 - 1). No other driver adjustable suspension allowed.
4. **SUSPENSION, STEERING AND BRAKES**
 - A. Minimum of three (3) working brakes (inboard brakes allowed).
 - 1). All inboard rear rotors must be of a magnetic type material.
 - B. All cars must use a drag link retention strap at all times.
 - C. Carbon or carbon composite brake rotors and/or components are not allowed.
5. **ROLL BARS AND CAGES**
 - A. The roll cage must be of a four-post design.
 - B. The cage must be constructed of 1 3/8" OD x .095" wall thickness minimum.
 - C. Roll cage padding in areas that may make contact with head is highly recommended.
 - D. Driver's head must be a minimum of two (2) inches below the lowest section of the top of the roll cage when securely belted into the car with helmet on.
6. **COOLING SYSTEM**
 - A. No flammable liquids allowed in cooling system.
 - B. No glycol based coolants allowed.
 - C. Only one (1) radiator is allowed and must be mounted in front of engine. Aluminum radiators are allowed.
7. **ENGINES**
 - A. Engine must be maximum 360 cubic inches cast iron block (maximum 360 plus 1% = 363.6ci.).
 - 1). No gaskets or restrictors needed.
 - B. Engines exceeding 360 ci. With a maximum of 410 ci. Will be required to run inlet restrictors (installed at the top of the injectors) of 1-7/8 inch.
 - C. No forced air induction allowed. (i.e. sealed ram induction to injectors).

8. CARBURETORS AND MANIFOLDS

- A. One fuel injected or normally aspirated carburetor only.
- B. Throttle pedal toe loop mandatory.
- C. Any throttle cable must be of push/pull design, such as a Morse Cable type.
- D. Two throttle return springs mandatory, one on pedal linkage and one on injector linkage.
- E. Turbochargers, superchargers or ram air of any kind are not allowed.

9. FUEL CELL AND FUEL

- A. Fuel cell must be securely mounted directly to the chassis with a minimum of four (4) mounting points.
 - 1). No spacers allowed.
 - 2). All mountings subject to tech inspection and approval.
- B. Fuel cell bladder is mandatory.
- C. Fuel cell cannot be pressurized.
- D. Methanol or Ethanol fuel only.
- E. No performance enhancing additives allowed.
 - 1). No nitrous oxide injection allowed.
- F. Check valve in fuel line in cockpit.
- G. Working fuel shut-off valve in cockpit.
- H. Fuel cell must be top fed with turnover valve and mounted in the tail.
- I. No glass or plastic fuel filters are allowed.

10. TRANSMISSION, DRIVELINE AND REAR END

- A. The drive shaft must be fully enclosed.
- B. Shaft loop or drive loop mandatory.
 - 1). Must be located at center portion of drive shaft.
- C. Buckley joint must be shielded in such a manner as to protect the driver from errant fluids.
- D. Rear axle must be of open tube or full floating axle type.

11. EXHAUST

- A. Mufflers are mandatory. Mufflers cannot be home made.

12. ELECTRICAL SYSTEM

- A. Working ignition switch in cockpit.

- B. Electronics that provide traction control are prohibited.
- C. All engine electronics must be mounted in engine compartment. No engine electronics may be mounted in drivers compartments, except for Tachometer.
- D. All cars must have a master kill switch clearly marked with "ON" and "OFF" locations.
 - 1). Kill switch must be within drivers reach and reachable from outside of car by rescue crews.

13. WHEELS AND TIRES

- A. No tire size rules.
- B. Carbon fiber or plastic wheels are not allowed.
- C. No tire softeners.

14. WEIGHTS

- A. Weights must be painted white and stamped with car number, bolted securely no lower than the bottom of the frame member.
 - 1). All bolted weight and location must be approved by Tech.
 - 2). No bolt on weight less than a 5 pound block.
 - 3). Weights must be bolted with a minimum of two ½" grade "8" bolts subject to tech approval.
 - 4). Bolt on clamps okay, 2 per weight.
- B. No lead weight may be mounted in the car's cockpit.
- C. Driver will be fined \$25.00 per piece for all weight that "fall" off the racecar during a race.

15. SAFETY EQUIPMENT

- A. Driver's Suit:
 - 1). A SFI approved flame retardant driver's suit is mandatory. No polyester clothing of any kind is allowed.
 - 2). Neck collar or a Hans type device is mandatory.
 - 3). No flight suits allowed.
 - 4). Racing gloves mandatory. No welding gloves, gardening gloves, etc.
 - 5). Racing shoes or leather boots required. No nylon shoes are allowed.
- B. Helmet:
 - 1). A full face shield, Snell 2010 or newer helmet with proper identification is mandatory and must have no signs of previous damage.
 - 2). Helmet must be SA rated.

C. Driver's Seat:

- 1). Headrest with resilient material.
 - a). Must be mounted behind driver's head and firmly supported.
 - b). A commercially manufactured racing seat with padded headrest is acceptable.
- 2). All seats must be bolted to the frame in a minimum of four (4) locations – two (2) on the bottom e and two (2) on the back with 5/16" diameter, grade eight (8) minimum, bolts and 1½" OD steel flat washers between the head of the bolt and seat.

D. Driver's Harness:

- 1). A SFI certified, quick release 5-point or 6-point racing harness is mandatory. Must have 3" wide lap and shoulder belts and a 2" wide submarine strap.
- 2). Harness must be date stamped no more than two (2) years old from the present date.
- 3). Belts must be bolted to cage with grade "8" minimum 5/16" bolts.
- 4). Arm restraints are mandatory and must be properly worn at all times the car is on the track.
- 5). Knee guard is recommended.

E. Window Net:

- 1). Properly attached roll cage net on right and left side mandatory, except on cars equipped with full containment seats.
- 2). Net must be securely attached.
 - a). No temporary fasteners such as tie wraps, bailing wire, tape, etc.

F. Steering Wheel:

- 1). Quick Release steering wheel.
 - a). Bolts must be safety wired and equipped with a center pad.

G. Eye protection, helmets, harness, neck collars, gloves and driver's suit must be worn at all times when on the racing surface.

H. Fire Extinguishers:

- 1). Each pit area must also have an extinguisher located either within the hauler by the door or in the trailer. A 5-lb. ABC type extinguisher is the minimum size for this application.

I. Radios:

- 1). A one-way raceceiver, scanner, or radio set to officials frequency designated by Track Officials is mandatory at all times while on the racing surface.
 - 2). Radios will be used strictly for line-ups and general information from race controller only.
 - a). Radio to be provided by driver.
 - b). If radio is found to have 2 way communications, car and driver will be suspended for 4 races and driver will be fined \$250.00.
 - 3). A driver is allowed a 1 race per year exception in case of equipment failure or forgetting to bring the radio and must start in the back of their races. If driver does not have a functioning radio after 1 race grace period, they will start in the back of all their races and will be fined \$50.00, paid before next race day.
- J. No driver shall compete in any event with head or arm extended outside the confines of the roll cage. Failure to comply will result in immediate black flag and removal from race.
- K. Car and driver will be required to fix safety violations, PRIOR to racing in any event.

16. INTERPRETATION OF THE RULES

Though we have made every effort to provide rules that will be clear and precise, should there be any confusion in your interpretation, ASK!! IGNORANCE IS NOT AN EXCUSE! If a specific issue is not addressed in these rules, the official's decision is final. Any modifications not addressed in these rules will not be allowed unless approved by the Tech.

We want all cars to be competitive with each other in their division. If you do something with your car that has been overlooked in these rules that we feel gives you an unfair advantage over your competitors, YOU will be required to change YOUR car.

These rules are provided to maintain orderly conduct of racing events and to establish requirements. By participating in 360 Sprint events at Barona Speedway, each driver agrees to comply with these rules and all general rules of the Speedway.

Should your car be found in violation of these rules it will be the Tech's discretion as to what action will be taken. A minor 1st time infraction may allow you to race that night, but require you to make necessary changes prior to the next race.

Any rule infraction will be given to you in writing. Should a racing advantage rule infraction be found, you may be asked to start in the back, or may not be scored or allowed to place in that event. You also may have to add weight to your car to compensate for the infraction. The amount of weight to be added will vary depending on the infraction, and will be determined by the Tech. You will need to

find the weight required yourself, it will not be provided. Changes will need to be made to your car to comply with the rules prior to the next race night.

These rules will be in effect throughout the 2019 racing season. These rules are in no way meant to imply any guarantee of safety. There is no guarantee against injury or death to participants, spectators or others.

These rules may be amended at any time by the Official. Changes may be made for safety, or to keep the competition close.

The Barona Speedway management appreciates your cooperation in complying with these rules. We wish you all a safe and successful 2019 racing season.