



Atomic Speedway Sprint Rules

1. Engines

- a.) Only small block V-8 engines with the cam in the block and a maximum of 410.00 cubic inches of displacement (tolerance +/- 0.000) will be permitted. The formula $6.2932 \times \text{bore}^2 \times \text{stroke}$ will apply. Big block engines will not be permitted.
- b.) The engine must be mounted in-line with the driver and the drive-line must pass beneath the driver on center through the driver compartment. Offset engines and/or offsetting the position of the engine will not be permitted.
- c.) The engine block and cylinders must be machined from cast aluminum. Billet machined blocks and/or cylinder heads will not be permitted.
- d.) Only normally aspirated engines will be permitted. Turbo chargers, super chargers and/or forced induction of any type and/or description will not be permitted.
- e.) The maximum engine cylinder bore size shall be 4.165.
- f.) Titanium crankshafts, connecting rods and/or rod caps will not be permitted.
- g.) Only two (2) valves and one (1) spark plug per cylinder
- h.) Only steel connecting rods with a maximum length of 6.000 inches will be permitted.
- i.) Only magneto-type ignitions will be permitted. Crank triggers are permitted.

2. Fuel

- a.) Must be methanol based fuel
- b.) Fuel additives, including but not limited to nitro, nitro methane and/or nitrous oxide injection will not be permitted.
- c.) Must use fuel cell with bladder

3. Traction Control Devices

- a.) Traction control devices of any type are not permitted at any time, during any event

4. Drive Line

- a.) Must be completely enclosed. Drive line hoop or strap is mandatory and has to be on centerline of chassis.

b.) Hoop should be steel and welded or bolted in.

5. Chassis

a.) Minimum tubing size and thickness. The following are subject to inspection:

b.) TOP RAILS must be a minimum 1 1/2" diameter x .095 thickness.

c.) BOTTOM RAILS must be a minimum 1 3/8" diameter x .095 thickness or 1 1/2" diameter x .083 thickness.

d.) ROLL CAGE UPRIGHTS must be a minimum 1 3/8" diameter x .083 thickness.

e.) ROLL CAGE TOP CROSS MEMBERS must be a minimum 1 1/2" diameter x .095 thickness.

f.) UPPER RAILS must be minimally 1 3/8" diameter x .083 thickness. REAR END SAFETY BAR is a mandatory piece.

h.) No titanium or aluminum in the chassis construction

i.) No filing of nerf bars or bumpers. No solid steel nerf bars or bumpers.

j.) Floor pan and body panels may not be thicker than 0.125" and must be made from aluminum or carbon steel only.

k.) Drilling of any bolts, fasteners, or heim ends is prohibited.

l.) No mirrors, radios, or communications equipment is allowed. No on-board computers or any computer adjustable devices allowed. ***"Swindell" style bleeder systems allowed

m.) The right rear wheel is limited to 18" wide and left rear wheel is limited to 15" wide.

n.) No adjustments within the drivers reach inside or out of the cockpit except for the fuel shutoff and one way wing slider forward and back only.

o.) Car must resemble a traditional sprint car. No non-winged cars.

p.) No part of the car can extend past front bumper, with bumper no more than 23" from front of front axle. Nobody pieces to extend beyond front torsion tube except hood.

6. Nerfs & Bumpers

a.) Must be steel or stainless steel only. Minimum 1" diameter, minimum .065 thickness. Nerf bars are mandatory and must be steel or stainless steel only.

7. Front Axle

a.) Must be steel only. Minimum sizes 2" x .156 or 2 1/4" x .120 or 2 3/8" x .095 or 2 1/2" x .095.

9. Body a.) Must resemble a traditional sprint car body

b.) No exotic sail panels, fins etc; Armguard may not extend past rear of the frame

8. Top and Front Wings

a.) Center Foil maximum size of 25 square feet with a maximum width and length of 60 inches. Center Foil must be square or rectangular in shape with all 4 corners set at 90° angles with no variance allowed. Center foil top is to be flat from front to back and side

to side. The center foil top must start being flat within 6" from the center foil's front leading edge.

b.) Center Foil shall be fully sheathed in aluminum. Vent holes, dimples, ridges and/or any other type of fabricated modification will not be permitted anywhere on the wing.

c.) Flat-top wings will be allowed to utilize a 2" wickerbill

d.) Dished wings are permitted without the use of a wickerbill of any height

e.) Dished wings must be square or rectangular in shape with all 4 corners set at 90° angles with no variance allowed. Center foil dish of 2 ½ inches allowed. Max size of 25 sq/ft

f.) The top wind side boards maximum size will be 72 inches long and 30 inches tall. The top 2/3's of each top wing side panel shall consist of only 2 corners. Each corner shall be set at a 90 degree angle with no variance. This portion of the side panels leading edge may not be behind the center foils leading edge. Panels must be of one-piece construction and be fabricated flat. Turnouts on all edges of the wing must not exceed 1 1/4" x 1 1/4" and must be oriented at a 90 degree angle to the flat portion of the side panel.

9. Weight Rule Procedure (1,400 lbs with or without mufflers)

a.) All cars must weigh after qualifying lap, top five cars at end of A-feature must weight

b.) Scales will be designated during the driver's meeting at a particular event

c.) If a car fails to go DIRECTLY to the scales at the end of the A or qualifying, they will scored in last place for that event

d.) Top 3 finishers to front stretch/victory lane for Interviews AFTER meeting minimum weight **Failure to do so will result in \$500 fine from finishing pay

10. Tires

a.) Hoosiers must be run on all 4 corners

b.) Front 85/8.0-15 D12, D15, D20

c.) Left Rear 15.0/90-15 H12 15.0/92-15 H12, H15 15.0/94-15 H12, H15 15.0/96-15 H12, H15

d.) Right Rear 105/16.0-15 H15, H20, Medium, W18 NRA Stamped 18" **steel-block 360 ci. engine only

e.) ** Must utilize the same right rear tire for qualifying, heat-race, and A-Main

f.) A cut or damaged right rear may be replaced prior to the A-Main. Must be inspected and receive approval from competition/race director. Must be replaced with a USED tire of the same compound and quality. Changing a tire between heat and A will result in a (6) position starting penalty in the A-Main

g.) May use different right rear during B-main and/or dash

11. Safety

- a.) Flame retardant driver's suit (SFI 3.2A/5), gloves, and shoes are mandatory
- b.) Full face SA SNELL 2005 approved or better helmets required
- c.) Minimum of an SFI 16.5 or SFI 16.1 approved restraint system, until the date of the belt expiration (three years from the date of manufacturer)
- d.) Seat belt restraint systems shall be installed and used in accordance with manufacturer's instructions
- e.) In any type of manufacturer's installation the fasteners must be magnetic steel unless using type of mount in which the seat belt wraps around the roll cage