



## - 2025 600cc SPRINT RULES -

*No express or implied warranty of safety shall result from publication of, or compliance with, these rules. They are intended as a guide, and are in no way a guarantee against injury, or death, to participants, spectators, and/or others.*

Published on September 18, 2024 - Any changes to the specs will be noted on the website ([www.indoorautoracing.com](http://www.indoorautoracing.com))

**CHANGES FOR 2025 SEASON:** • Fuel pump relay mandatory • Fire bottle is **NOT** required • Front bumper max. 10" in front of tires

### 1. CAR MUST BE SPRINT CAR IN APPEARANCE

### 2. TIRES & WHEELS:

- a. Hoosier Tires on all four corners.
- b. RR Tire - RD-20 (36 or harder) or U6SA/ASCS2 (50 or harder) Hoosier Dirt Micro compounds only.
  - RR tire size - 69/10-10 & 69/10W-10
- c. LR and front tires - Tire must be part of the 42xxx series (List attached on last page of rules)
- d. No tire prep or chemically altering tires. (Tire Agreement must be submitted)
  - Grinding allowed in designated area, wet grinding with windex or simple green allowed.
- e. All wheels must be an approved racing type. (No Carbon Fiber)
- f. NO wheel center bolts made of aluminum.
- g. All wheel covers must be bolted on per NJ State rules.

### 3. WEIGHT RULE - 775lbs - Before or After events. No Fuel may be added to make weight after an event.

### 4. ENGINE RULES - 637cc Maximum Displacement

- a. All cars must be self starting.
- b. NO 2 stroke engines allowed in 600 Micro Sprints.
- c. Fuel injection or carburetion may be used.
- d. No forced induction or nitrous is allowed.
- e. Racing grade methanol only sold at the event
  - Cars must arrive with empty fuel tanks.
- f. A fuel pump relay that turns the fuel pump off when the engine stops running is mandatory.

### 5. SPEC MUFFLER: 600cc muffler sold by Beyea Headers.

#### **PART# MS6M or MS6M-SS MUFFLER MUST HAVE BEYEA PLATE**

- a. NO tampering with or modifying the muffler in any way. - \$500 fine for tampering with muffler
- b. Muffler must remain stock from Beyea and in good working condition.
- c. Muffler must be removable at the track if thought to be tampered with, no welding mufflers on.
  - No altering muffler flange, must remain stock size so officials can replace muffler with stock muffler at track.
  - Multiple sizes available, buy the right one for your headers!

### 6. CHASSIS:

- a. All frames must be constructed of 4130-chrome molly tubing or equivalent.
- b. Roll Bars Shall be welded to frame, no bolt on frames allowed.
- c. Chain guards are mandatory

### 7. BODIES:

- a. No Top or Front Wings Allowed.
- b. Sprint Car appearing bodies.
- c. Right side of cockpit must be enclosed.
- d. No wild bodies. Officials decision is final.

### 8. FUEL TANKS:

- a. All fuel tanks must be rear mounted sprint car style tail tanks with bladders. No square tail tanks.
- b. No side tanks.
- c. **ALL TANKS ARRIVE EMPTY!!!** Must use Methanol sold at the event.

**9. BOLT-ON WEIGHT BALLAST -**

- a. All weight shall be bolted to or within the confines of the MAIN frame rails.  
(Engine hoop not considered part of main frame rails)
- b. Bolt on weight must be mounted to a welded tab on the frame or directly to frame rail.  
Tab must be a min 1/4" thick.
- c. All bolted-on weight shall be painted white and numbered to correspond with car number
- d. Weight shall be secured using a minimum 5/16" Grade 8 bolt and have double full nuts
  - Rub rails are not considered part of frame.
  - All ballast locations must be approved by officials. Official's decision is final.
  - Any car losing weight would be disqualified from that event.

**10. BUMPERS -**

- a. Front bumper must extend 2" in front of tires, max. 10".
  - Front Bumper must have a flat leading edge, no pointed/round bumpers

Not Acceptable (top view)                      Acceptable (top view)



- b. Front bumper may have max. 2 horizontal bars, top and bottom and 2 vertical bars
- c. Front and Rear bumper cannot extend wider than the frame.
  - Front and Rear bumper may not extend wider than frame sockets.
  - Frame Sockets may be as wide as main frame rails

Not Acceptable (top view):                      Acceptable (top view)



- d. No square rear bumpers, standard sprint car style bumper.
  - Rear bumper must protect tail tank.

**11. RADIATORS / COOLING:**

- a. All radiators must have sufficient catch cans to prevent overheating water from hitting racing surface.
  - All radiators and reservoirs must be shielded from driver.
  - Radiators should be mounted on rear of roll cage behind seat or under the front hood behind front axle.
- b. Overflow Tanks
  - A small water/drink bottle is not an acceptable radiator overflow tank!
  - Radiator overflow return system is HIGHLY recommended.

**12. SAFETY ITEMS - All cars and drivers must comply with NJ State Safety Regulations. Fire Bottles NOT required.**

**a. DRIVER SAFETY EQUIPMENT**

- ALL DRIVERS REQUIRED to wear fire resistant underwear and one piece driving suit to cover arms, legs and body.
- Suit must have **SFI rating of 3.2A/5** or greater or **FIA 8856-2000** or greater.
- **Nylon covered fire suits are prohibited.**
- Arm Restraints are Mandatory
- All Drivers Required to wear fire resistant gloves, shoes and socks.
- Steering wheels must have a padded center & quick release hub. No pull-pin.

**b. HELMETS -**

- All drivers must wear a properly secured full face helmet, which meets or exceeds the latest Snell SA Rating.
  - The current snell rating is SA2020. Acceptable ratings include SA2105 and SA2020

**c. HEAD AND RECK RESTRAINT -**

- All drivers must wear a properly secured SFI 38.1 rated Head and Neck Restraint Device/System.
  - Must have certification no more than 5 years old.

**d. Rollbar/cage padding meeting SFI 45.1 Specs**

- padding required anywhere a drivers helmet may come in contact with the rollbar/cage.

**e. Rollover Bars -**

- NJ State law requires a minimum distance of 3" between the top of the driver's helmet and the bottom of the roll bar measured at the closest point between the two with driver is seated and belted in place.
- A Halo will count for the measurement.

### 13. SEATS -

- a. All cars must have a full containment seat or a seat utilizing a bolt on containment system.
- b. Must have both left and right side head and shoulder containment.
  - Products such as Kirkey Basic Head Supports Part Numbers 100 (right) & 200 (left) NOT ALLOWED.
- c. Approved Bolt-On systems such as:
  - Kirkey Bolt On Restraint Kit, The Joie of Seating "Safer System" & Butler Sportsman Advantage kit
  - *If you have questions email davey@aarn.com with a picture of your seat or product you are looking at.*
- d. Seat shall be attached to the frame with at least four (4) three-line 5/16-inch bolts.
  - Two bolts shall be installed at the bottom of the seat not more than three (3) inches from the outside edge
  - Two bolts shall be installed at the two most practical widely-spaced points at the top of the seat rack.
  - Vehicles with metal seats do not require straps, but do require larger washers at each bolt.

### 14. SEAT BELTS - Must meet SFI Specification 16.1 rating as a minimum.

- a. Date of manufacture cannot be more than two (2) years old.
- b. Wrap around or bolt-in quick release five-point belt harness with all connections to be secured at frame.
- c. Shoulder harness must pass over a round bar located at the driver's shoulder height.
- d. No alterations to manufactured design.
- e. All belts must be in good condition and bear the date and manufacturer's name.

### 15. BATTERIES -

- a. Batteries located in driver's compartment shall be secured and shielded to prevent leakage.
- b. Batteries located adjacent to the fuel supply must be secured in a metal box bolted to the frame.
  - Box shall be secured by at least four 3/8-inch bolts
  - And in such a manner to apply maximum pressure against the frame.
  - Battery shall also have a marine-style box cover secured to the top of the metal box as to not allow movement of the battery.
  - Batteries located in any other area not specified above shall be secured and shielded to prevent leakage from damage or turnover.

### 16. MISC / RACE CONTROL ITEMS

- a. Car numbers - All cars must have visible large numbers on front and back of car.
  - Numbers plates on left side frame rail are strongly encouraged.
  - Duplicate numbers may be required to add a letter or number to differentiate.
- b. Driver must have working one-way raceceiver radio to monitor race control at all times.
- c. All cars required to have a working transponder. Transponders available for rent if needed.
  - Transponder location is 21" from center of front axle towards rear axle and 6" from the bottom frame rail.
- d. No mirrors or two-way radio communications allowed in cars.
- e. All vehicles must have an ignition switch within easy access to the driver in the cockpit and clearly marked.
  - Ignition switch must kill all power to the fuel pump.
- f. A fuel shut-off valve must be easily accessible to the driver and marked with brightly-colored "On & Off".
- g. A fuel pump relay that turns the fuel pump off when the engine stops running is mandatory.
- \*\*\* **RECOMMENDED** - An oil pressure relay sensor for the fuel pump that cuts power to the fuel pump when motor isn't running. \*\*\*
- h. **ROUGH RIDING** - No rough riding! Considering this your first warning.
  - First offense in a race sends driver to JR Michalski Cool Down Zone
  - Second offense car is sent to the pit area.
  - Officials have the right to park a car for the weekend at any point.
  - A car will be sent to the pits after a total of three unassisted cautions or rough riding calls.

**\*\*\*Officials Decision Is Final On All Items Noted or Otherwise\*\*\***



## - 2025 600 MICRO SPRINT RULES - Approved Hoosier Tires

No tire prep or chemicaly altering tires.  
(Tire Agreement must be submitted)

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### Right Rear Tire

Catalog	Tire Spec
42237RD20	69.0/10.0-10 RD20
42239ASCS2	69.0/10.0W-10 ASCS2
42239RD20	69.0/10.0W-10 RD20
42239U6SA	69.0/10.0W-10 U6SA

### Left Front, Right Front, Left Rear Tire

Catalog	Tire Spec	Catalog	Tire Spec
42050D12	57.0/6.0-10 D12	42173RD12	63.0/8.0-10 RD12
42050D15	57.0/6.0-10 D15	42173RD15	63.0/8.0-10 RD15
42100D15	57.0/6.5-10 D15	42183RD12	63.0/10.0-10 RD12
42124RD12	59.0/8.0-10 RD12	42183RD15	63.0/10.0-10 RD15
42130D15	60.0/7.0-10 D15	42183RD20	63.0/10.0-10 RD20
42164RD15	61.0/8.0-10 RD15	42185RD12	64.0/8.0-10 RD12
42168RD15	61.0/10.0-10 RD15	42185RD15	64.0/8.0-10 RD15
42168RD20	61.0/10.0-10 RD20	42195RD12	64.0/10.0-10 RD12
42170RD12	62.0/8.0-10 RD12	42195RD15	64.0/10.0-10 RD15
42170RD15	62.0/8.0-10 RD15	42225RD12	65.0/10.0-15 RD12
42172RD12	62.0/10.0-10 RD12	42225RD15	65.0/10.0-15 RD15
42172RD15	62.0/10.0-10 RD15	42225RD20	65.0/10.0-20 RD20