

Bridgeport Speedway

2007 - Micro Sprint Rules

CARS:

No rear engine cars, chain driven only. The body must be sprint car in appearance. All body parts must be constructed of aluminum, metal, fiberglass, or high impact plastic. No Titanium Allowed.

WINGS:

Cars must use a top wing with a minimum size of ten (10) square feet. Top wing must be a single airfoil design with a maximum size of twelve (12) square feet. Wings cannot exceed the width of the rear tires. Front wings are optional. Max side panel twenty-four (24) inches high by fifty-four (54) inches long. Side panels cannot obstruct vision of driver. Only TWO (2) side panels per wing.

WHEELS & TIRES

Maximum rear wheels and tire width (12) inches. No tire rule. All wheels and tires must be an approved racing type. **Any wheel cover must be bolted on.** No plastic or carbon fiber wheels. No DZUS button wheel covers

HIGHLIGHTS OF THE NJ STATE RULES

RADIATORS:

Must be mounted on rear of roll cage or under the front hood. All radiators and reservoirs mounted under the front hood must be shielded from driver.

FIREWALLS & FLOORING:

- A. All vehicles shall have suitable metal flooring from the front firewall (in our case front of our feet) to the center of the seat. (Highly recommended to the rear of Seat)
- B. All vehicles shall have a permanent firewall between the fuel supply and driver unless fuel tank consists of shell with an inner rubber bladder in which case a firewall is not required.

FUEL TANK SPECS

- A. Tail Tanks only bladder preferred.
- B. Side tanks not permitted.

FUEL LINES & PUMPS:

- A. A fuel line or fuel pump is prohibited in the drivers' compartment unless properly shielded to prevent leakage in the event the lines or pump is damaged or broken. The shielding for fuel lines shall consist of steel braided material.
- B. Fuel lines must be more than three (3) inches from the headers unless shielded by metal.

IGNITION:

All vehicles must have an ignition switch within easy access to the driver's compartment and clearly marked. Ignition switch must kill all power to the fuel pump.

DRIVERS:

- a. Drivers must be 14 years of age for 270 class. Must show documentations of previous experience (i.e. quarter midgets, go karts). First time drivers will be instructed by track officials and ability checked. Track officials will determine if the driver is ready to compete. Rookie tags will be issued. A three (3) week evaluation will apply. All rookies start to the rear of the field for three (3) weeks.
- b. Driver must be 16 years of age to compete in 600cc class. Rookie rules apply.
- c. All drivers must wear fire resistant underwear, gloves, shoes and a one-piece fire suit.
- d. All drivers must have arm restraints

HELMETS & HEAD CUSHIONS:

- A. Helmets must meet SNELL 95 testing standards.
- B. If head cushion is not incorporated with seat, the head cushion must be at least 16 square inches with at least 2 inches of padding. Minimum length of any side of the head cushion should be 4 inches. Head cushion must be mounted to the roll cage at the center of the driver's head. A support cushion shall be located behind the rear portion of the seat attached to the roll cage and at least 1/8 of an inch thick.

BATTERIES:

Batteries located in driver's compartment shall be secured and shielded to prevent leakage in the event of a turnover. Batteries located adjacent to the fuel supply of the vehicle must be secured in a metal box bolted to the frame of the vehicle at least by four 3/8 inch bolts and in such a manner to apply maximum pressure against the metal box to the frame. The 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 in the event of damage or turnover.

NERFING:

All cars must have nerf bars. These bars shall extend within 2 inches of, but not beyond the outside edge of the tire. No sharp edges allowed on rubber nerf bars.

SEATS:

Molded metal or fiberglass seat with opening to allow seat belts to pass through. Seat shall be attached to the frame with at least 4 three-line 5/16-inch bolts. Two bolts shall be installed at the bottom of the seat not more than 3 inches from the outside edge and 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. Straps must be 2 inches wide by 1/8 inch thick connecting each set of bolts on fiberglass seats.

ROLLOVER BARS:

- A. Quick release type five-point harnesses. All connections to be secured at frame. Shoulder harness must pass over a round bar located at the driver's shoulder height. No

alterations to manufactured design. All belts must be in good condition and bear the date and manufacturer's name. **Date of manufacturer cannot be more than 2 years old. New Jersey strongly recommends the use of head and neck restraint devices.**

- B. Rollover bars shall be a minimum of 3 inches above the driver's head.
- C. Rollover bars shall not be bolted to the frame of the vehicles.

FUEL SHUT-OFF:

Fuel tanks, standard of the industry only. Side tanks must hold no more than a maximum of 4.9 gallons. Tail tanks, if the fuel tank is not incorporated with the tail piece (fuel tank under tail), fuel tank must be held in with three one inch wide, ¼ inch thick metal straps that shall be bolted to the frame of the vehicle by at least two 3/8 inch three line bolts and enlarged so that it goes around the cell, except for bottom, so as to apply maximum pressure against the tank to the frame. **It is required that if running gasoline, the car be equipped with a fuel cell.**

ELECTRIC FUEL PUMPS:

All electric fuel pumps must shut off with ignition switch.

STEERING WHEELS:

Padded center with a quick release type hub. No pull in type.

CHASSIS SPECIFICATIONS:

Maximum wheel base 70 inches, 56 inches minimum, width at center of tire is 50 inches max. Ride height at top of cage minimum 44 inches, minimum of bottom of frame rail to ground 1.5 inch, minimum 26 inch from floor pan to top of hood. No laid back cages. Drivers must sit vertical in car. Fire wall between driver and motor 030 aluminum or 080 fiberglass. Firewall between fuel tank and driver must be aluminum or metal, no fiberglass. Chain guards are mandatory. All cars must have front and rear bumpers and must extend at least two inches in front of front tires. No sharp corners allowed. No nylon steering hangers, no centrifugal clutches. All frames must be constructed of 4130-chrome molly tubing or equivalent. (See National Modified Midget Racing Association Rules). No mirrors or radios. No A-frame suspension.

ENGINES:

All 2 stroke motors will be single cylinder production motorcycle engines. 125-cc maximum displacement 136-cc. 250-cc air-cooled and 270-water-cooled with maximum displacement 270-cc must weight 600 lbs. Stokers are permitted without adding additional weight. 600-cc 4 cylinder maximum displacement 637-cc. All shifters to be inside driver's compartment. No fuel injections.

WEIGHTS:

125-cc	600 lbs.	CAR & DRIVER AT END OF RACE
270-cc water-cooled, 270cc	600 lbs.	CAR & DRIVER AT END OF RACE
600-cc	750 lbs.	CAR & DRIVER AT END OF RACE

FUEL:

No performance enhancing products can be added to fuel e.g. thermal-charged, nitrated fuels, oxygen-induced chemical or oxides. Anyone caught using any of these additives will be fined \$250.00. All points will be taken away and suspended for three (3) race events.

NUMBERS:

10 inches on the tail, 12 inches on wings, minimum. Duplicate numbers may be required to add a letter for scoring purposes. The handicapper will advise at registration. No written out numbers permitted.

SPEED LIMIT:

When a car is moved in the pits the speed limit is 5 mph. Helmet must be worn when pushing off any car in the pits. This will be strictly enforced and can be subject to fine and/or suspension.

TEAR DOWN:

Tear downs by protest only and at the track's discretion. The fee for a tear down will be \$1,000.00 for all classes. Tear down will be done after racing is concluded for the night. Time limit to file protest will be 15 minutes after checkered flag falls for race in question. The tech officials may also pull a pill marked yes or no on tear down. If pill is yes the club will tear down all first place finishers. The Tech Official may also pull pill 2 to 10, then that car finishing in that position will also be torn down. No tear down fees on this tear down and car owners accept all costs. Tack officials will deal with all penalties for violations of rules. Tech Officials reserve the right to tech any car or cars at any given time and to any extent. If car owner and/or driver do not permit the Tech Official, said car and driver will be disqualified. All points earned during season will be forfeited, and will not be able to participate on any remaining season events until tech is completed to the satisfaction of the sanctioning body. A \$250.00 fine and/or disqualification and all race points for the season forfeited, will be imposed if car is found illegal. Bridgeport Speedway Management reserves the right to confiscate any and all parts used on competition at Bridgeport Speedway that are deemed illegal in a post race inspection. If not covered in these rules it is considered not legal and subject to all disciplinary actions at the discretion of the sanction body. If you feel a part of your car is questionable to these rules, see tech official prior to start of event.

READY LINE:

- ❖ If car and driver is not on ready line when race is called, car will not compete.
- ❖ Race Directors' word is final.
- ❖ Any car that stops on the track, under a green or yellow flag, whether able to restart alone or by push start, will be put to the rear of the field. One push lap for restart. Any car that stops or spins out 3 times will be automatically out of the event.
- ❖ Any car that pulls off track under green flag conditions is considered out of the event
- ❖ No bad mouthing or arguing with any officials.

- ❖ 600cc Division – Must start and pull out under own power – if push started – will start in the rear of that event.

*** Any foul language used at officials, or competitors or spectators in the grandstand may result in suspension and/or fine.

*** Any fighting with officials or anyone else may also result in suspension, fine, and/or legal action. Officials have final say.

- ❖ No mirrors or two-way communications allowed in cars.

In addition to the above rules, the 600-cc class must also comply with the following:

600 CC MUTLI-CYCLINDER 4 STROKE RULES

1. Weight – car and driver, after the race, must be a minimum of 750 lbs.
2. Rotating assembly – Crankshafts will be stock. Balancing is permitted. No mixing, matching, grinding, polishing or strockers of rods or crankshafts. NO KNIFE EDGED CRANKS....

After market pistons are permitted up to 637 cc.

After market rods are permitted to be used if desired (Steel only).

3. Engines will be no larger then 637 cc – total displacement.
4. Heads – stock, no porting, polishing, grinding and/or modifications are permitted except for decking of heads. Non-stock cams are allowed.
5. Gas or alcohol – No performance enhancing products to be added to fuel, no turbo supercharges.
6. Any after market header is permitted.
7. All engines must be self-started if originally equipped.
8. Engines and fuels may be teched at any time during the race season at the discretion of the sanctioning body or under protest after the end of the main event.
9. In any situation if car owner and/or driver do not permit tech, said owner and driver will be disqualified. All points earned during the season will be forfeited and will not be able to participate in any remaining season events until tech is completed to the satisfaction of Bridgeport Speedway and a \$250.00 fine and/or disqualification from all races for the season being forfeited.
10. Bridgeport Speedway Management reserves the right to confiscate any and all parts used in competition at Bridgeport Speedway that are deemed illegal in a post race inspection.

11. If not covered in these rules it is considered not legal and subject to all disciplinary actions at the discretion of the sanctioning body. If you feel that part of your car is questionable to these rules, see the tech official prior to start of the event.
12. Fuel injection will be permitted on any 600 cc and Kawasaki ZX6R 636 cc engines that are original factory equipment made for the engine that it is being used on. Changed injection from a newer engine to an older one is not permitted.
13. Fuel injected engines must have stock appearing ignition, no after-market coils, engines that came with stock fuel injection may use after-market add on to adjust the fuel curve and timing (essentially the same as adjusting jetting and using an ignition advancer), ignition advancers may be used and Rev. limiter must remain intact.
14. The Kawasaki ZX6R 636cc engine CAN be used but MUST REMAIN COMPLETELY STOCK also stock charging system MUST be used and in working order.
15. No current racing year engines.
16. Bridgeport Speedway reserves the right to make changes at their discretion at any time. Any questions please feel free to contact the speedway office at 856-467-4407

On occasion situations may arise that are not covered in this rule package. All rulings and interpretations of rules included here in will be made by Bridgeport Management and or officials. Such rulings and interpretations will be deemed final.