

# **209 Speedway Karters**

## **Box Stock Cage Kart Rules**

**Age Requirement:** Minimum age 8 to 13. Age is subject to the Race Director's Approval.

### **1.0 Engine Rules:**

- A. Engine must be able to idle on its own in staging area.

### **1.1 Rules & Intent:**

- A. This class is intended for intermediate level drivers.
- B. Birth Certificates are required for all minor drivers.

### **1.2 Approved engines:**

- A. Briggs and Stratton LO206 with black slide, bearing a genuine untampered B&S security seal.
- B. B&S LO206 exhaust system including the "outlaw kart exhaust package" part # RLV 5530. No modifications to the pipe or muffler are allowed.
- C. No alterations to the engine or air filter.
- D. All engines are subject to the technical specifications of the B&S 206 United States Rule Set. Rules are available at [209speedwaykarters.com](http://209speedwaykarters.com) in the "Class Rules" page.

### **1.3 Clutch:**

- A. Any engine mounted shoe/drum clutch or disc clutch.
- B. Gear Ratio is open.
- C. No axle clutches.

## **1.4 Starter:**

- A. Stock pull starter must be in place and functional.

## **1.5 Fuel:**

- A. CHEVRON 87 Octane ONLY.
- B. No methanol, No E-85, No fuel enhancers, or additives of any type.
- C. Fuel must pass any or all of the following test: -Visual; -Continuity meter; -Gravity test, - Gas, Alcohol and Water Mix.
  - Maximum allowance is 10+ or - on the meter.
- D. Fuel meter will be calibrated to CHEVRON 87 Octane.

## **1.6 Other:**

- A. **All karts must have a 6” nylon tie attached to spark plug wire.**
- B. Kill switches are required.
- C. No traction control devices are allowed. Kart must have a solid axle and fixed hubs.
- D. No mirrors.

## **1.7 Protesting:**

- A. Any competitor that started the main event may protest any other competitor in the same class for legality within 15 minutes of completion of the main event.
- B. Protest must be made in writing to the assigned tech steward for that race, accompanied by a \$150 protest fee.
- C. If kart in question is deemed legal, \$100 will be awarded to the driver receiving the protest, if the kart in question is deemed illegal, \$100 will be returned to the protesting driver.
- D. See General Rules section 2.1 for more details.

## **2.0 General Kart and Bodywork Specifications:**

### **2.1 Frame:**

- A. Frames must be of kart configuration. Not to exceed 90” in overall length. **NO EXCEPTIONS.**
- B. Driver must fit safely within the kart and is subject to tech approval.
- C. If the driver is too large or tall, they will not be allowed to race in that kart.

### **2.2 Wheels & Tires:**

- A. Maximum 6” diameter kart type wheel.
- B. Tires – Slick or Tread. Right rear tire minimum durometer reading 48.
- C. No Chemical "preps" are allowed on the tire at any time, tire may be washed at the track with water only.
- D. Tires must be dry before coming to the grid.
- E. No grinding, sipping or grooving allowed.

### **2.3 Weight:**

- A. Kart and driver 270 lbs.
- B. Kart Weight must be displayed on the engine shroud or top plate to aid track officials at the scales.
- C. All weights added to the kart must be securely fastened to the kart with a minimum 5/16-inch diameter bolt that is double natted, or safety wired.
  - If weight is attached to the seat area a large “fender” washers must be used.
- D. ALL weights must be painted bright white and marked with kart number.

- E. Any kart that loses a weight will be disqualified from that session and lose points/position from that session.

## **2.4 Bodywork:**

- A. All bodywork components must be constructed of high strength plastic, fiberglass, or advanced composites. No wood.
- B. No metallic materials to be used for side panels or front nose piece.
- C. Bodywork must not obstruct the driver's forward or peripheral view.
- D. No sharp edges or protruding parts.

## **2.5 Bumpers and Nerf bars:**

- A. All karts must have front bumpers that adequately protect the driver's feet.
- B. Karts must have nerf bars that adequately protect the kart from side impact and will prevent karts from "hooking" wheels.
- C. No side bars may extend past the outer most edge of the tires.

## **2.6 CAGE:**

- A. Cages are mandatory and must be for the purpose of protecting the driver, not just for appearance or wing mounting.
- B. Minimum metal pipe standards for all roll cages are;  $\frac{3}{4}$ " x .083" wall chromoly, 1" x .065" wall chromoly, or 1" x .083" wall steel.
- C. Cage must be securely fastened to the frame in 4 spots with grade 5 or better fastening hardware.
- D. No side bars, other than the regular nerf bar, may extended past the outer edge of the tire.
- E. The drivers body must be completely inside of the roll cage.
- F. Roll cage must have a 2" minimum clearance above the drivers head.

- G. Aluminum high back seats are mandatory. The top of the seat must reach the center of the drivers head and not have excessive holes. The seat must be securely fastened to the frame. Any suspended seat must have a safety cable attached to the frame.
- H. Fuel lines must have a minimum 2” clearance from exhaust systems and shall not be above the exhaust. If a fuel line must be installed closer than 2” from the exhaust it shall be adequately insulated.
- I. Fire Retardant 1 piece or 2-piece race suits is MANDATORY on cage karts.

## **2.7 RESTRAINTS:**

- A. All karts must be equipped with a minimum of a SFI 16.1 (or FIA equivalent) approved seat belt and shoulder harness restraint system.
- B. Shoulder harness must be mounted to limit forward body motion independent of the seat.
- C. Lap belt may be mounted to the frame or directly to the seat and routed securely through the seat. Cut or frayed restraints will not be allowed.
- D. Arm restraints are mandatory.

## **2.8 Wing:**

- A. Wing, hood, and tailpiece are required.
- B. Wing sides must stay within 3” from the outer most edges of the kart.
- C. Wing minimum size is 26” wide x 28” long with a minimum 10” on the side boards.

## **2.9 Brakes:**

- A. Hydraulic brakes are mandatory
- B. Brake rotor must have a guard “wolf plate” to protect the seat from contacting the brake rotor in the event of a seat mounting failure.

### **3.0 Tech:**

#### **3.1 Tech Procedures:**

- A. After the main event the top 5 karts will proceed to the designated tech area, at this point the kart will be considered “impounded”.
- B. Karts will be inspected in their finish order.
- C. Drivers/Crew will be required to assist with removal of parts, drain their oil, and to help facilitate the technical inspection on their kart.
- D. Track official has the option to exchange any motor they feel is performing beyond its ability. They will have a new replacement motor on hand. This rule will not apply to old motors that are built to perform just to exchange for a new one.
- E. See General Rules section 5 for more details.

#### **3.2 Tech Items:**

- A. Post Tech items will include but are not limited to ALL sections of the rules.
  - A. Tire Durometer:
    - Right Rear tire must read a minimum of “48” on a shore certified “A” durometer after given adequate time to cool or prior to track entry on hot grid.
  - B. Fuel
  - C. Any motor showing enhanced performance may have full tech after main event.
  - D. If anything is found to be in fault of the rules that motor will be banned from racing and must be replaced.

#### **4.1 Race Procedures & Safe Driving:**

- A. Competition is expected to proceed without you endangering yourself or others.
- B. If in the judgment of the race official, a driver bumps, crowds, or pushes another driver, the offending driver may be penalized or disqualified.
- C. A one-way radio receiving device (i.e., Raceceiver) is mandatory for all classes (1 race grace period only).

- Drivers must have their unit on and always working while on hot grid and the track.
- Failure to observe this rule shall result in your kart not being scored and/or additional penalties.
- No 2-way radio communication between the driver and crew.

## **4.2 Penalties:**

- A. Any kart found in blatant tech or protest violation may lose all points, prizes and recognized finishing position for the event, as well as earned points towards the championship up to that point in time.
- B. Certain nonperformance rule infractions may be handled with a written warning and correct by next race waiver per the governing bodies/tech steward's discretion.
- C. Although the rules are comprehensive, they may not address every situation.
- D. If the rules do not specify you can do something, assume that you cannot until clarified.
- E. The Race Director's decision is final.