



2018 Event Rules

Rev. 6/1/2018

Classes

- Briggs World Formula Sr.
 - Competition age: 15 years and older
- Briggs LO206 Sr.
 - Competition age: 15 years and older
- Briggs LO206 Jr. w/ Yellow Restrictor
 - Competition age: 11-15 years and older
 - Must use B&S Yellow restrictor (#555741)
- Briggs & Stratton 2018 engine technical rules apply except where noted

Format

- 6 hour timed race
- Team size: minimum one / maximum six drivers
- 1-Hour pre-race open practice (open driver rotation)
- Grid order is based upon registration order
- Standing start
- Driver Rotation @ each pit stop-- equal race time for each driver
- (2) Required oil changes
- (1) Tire Rotation
- Runs rain or shine

Spec Requirements

- **Spec Fuel:** 87 octane pump gas, must be purchased the morning of the event from:

CalSpeed Karting events:

Arco (AM/PM Market), 10062 Cherry Blvd, Fontana, CA 92335 (10 Fwy @ Cherry Ave. exit).

Adams Motorsports Park events:

Arco, 2985 Rubidoux Blvd, Riverside, CA 92509
(60 Fwy @ Rubidoux Blvd. exit).

It is advised to purchase pump fuel the day of the race. A test sample will be taken that day and used by Post Tech for comparison.

- **Spec tires:** Maxxis SLH 4.5 / 6.0 - 5. Limit one set of tires per team for the timed race. A single damaged tire may be replaced during competition only with permission from a race official.
- **Spec fuel tank:** Target Distribution "KMT2" 2 qt.
 - Fuel tank must be permanently mounted flat (parallel) on the floor tray, with the outlet facing directly rearward.
 - Fuel tank cannot be changed during the race. A damaged or leaking tank can be replaced with permission of the Pit Referee.
 - All refueling must take place with fuel tank mounted in chassis.
 - Fuel tank caps cannot be removed until kart has come to a complete stop.

Chassis

- Adult sprint-type chassis w/ full CIK-type bodywork & rear brake only
- Fuel tank vent tube maximum length = 12". Must vent to atmosphere. A recovery tank may be used provided its opening faces downward.
- Maximum rear width - 55 1/8"
- Wheel width is non-tech.
- Full width rear bumpers are mandatory for all karts in all classes. The bumper may either be a CIK approved plastic bumper or may be constructed of round metal tubing with a minimum diameter of 5/8" mild steel. The minimum width must be to the center of each rear wheel. The bumper must be of a double bar design with loops at each end. See the WKA rule #209.3 for further specifications.
 - Maximum width: The ends of a double bar rear bumper or CIK style rear wheel protection shall not exceed beyond the outside of the rear tires.

- (EXCEPTION - Bumper may extend beyond rear tires in rain conditions)
- Minimum width: The ends shall extend to at least the center of the rear tires as raced for both CIK style and double bar rear bumpers. (This supersedes the WKA rule 209.3.4)
- Cameras may only be mounted on the driver fairing (front number panel). Helmet mounted cameras are NOT allowed. (115.1.1)
- Both ends of all seat struts must be bolted to the kart. It is not permissible to operate the kart with either end of a seat strut not bolted to the kart.
- A secondary brake safety cable must be attached from the brake pedal to the master cylinder control lever.

Engine & Exhaust

- LO206: Briggs & Stratton LO206 Senior & Junior engine & clutch rules.
 - Pipe must be RLV #5506 or #5507.
 - LO206 Jr. class must use B&S Yellow restrictor (#555741)
- World Formula: WKA World Formula engine & clutch rules.
- Fuel recirculation (return line from carb to tank) is not allowed. 1/4" (6mm) fuel line only. Fuel line maximum length from tank to pump = 36". Fuel filter, if used, must not exceed 0.5 oz in volume.
- Carburetor must overflow to a contained tank. Karts observed leaking fuel from the overflow will be subject to mechanical black flag.
- All headers must be heat-wrapped from the head flange to the mounting brace, and properly braced to the head.
- All silencers must be safety wired to the pipe. World Formula silencers must be braced to the chassis.
- Sprocket ratios & chain pitch are non-tech. Chain oilers not allowed. Suggested sprocket ratio starting points: LO-206 ~ 4.00:1 & World Formula ~ 4.10:1 .
- Briggs & Stratton post-tech for LO-206 and World Formula podium positions.

Kart Weight Ballast

- The required kart weight is explained in the *Team Sign-In* section (below). Karts will be weighed without driver, directly off the track following the final lap of competition. Karts underweight will be DQ.
- WEIGHT BALLAST
 - All weights affixed to the kart must be WHITE.

- Weight ballast bolts may be drilled and safety wired/clipped (wrapping of safety wire around a bolt is not allowed) or each securing bolt may have two nuts securing the ballast.
- All weight ballast 7 lbs. or more must be affixed to the kart with 2 bolts of 5/16” (8mm) or larger diameter.
- Drivers cannot carry ballast on their person. All ballast must be mounted and secured to kart chassis or seat.
- Ballast may not be added or removed during competition.

Kart Identification

- Team number will be assigned based upon pre-registration order. This will also be your team's kart number, pit spot number and starting position for the event.
- 5" or larger black numbers required on all 4 sides of the kart.
- LO-206 Sr. karts: Number panel backgrounds must be yellow.
- LO-206 Jr. karts: Number panel backgrounds must be green.
- World Formula karts: Number panel backgrounds must be white.

Team Sign-In & Driver Sequence

- Each team must designate a captain at registration. **The captain must be age 18 or older**, and may be a driver but is not required to be.
- The captain is solely responsible for the team's communication with race officials throughout the event.
- Each team driver must weigh individually at sign-in, without driver gear. The team's required kart weight will be calculated as follows, and recorded on the Tech sheet:

World Formula:

$$(360 \text{ lb}) - (\text{Team Average Weight}) = (\text{Minimum Weight of Kart @ End Of Race})$$

Sr. LO-206:

$$(355 \text{ lb}) - (\text{Team Average Weight}) = (\text{Minimum Weight of Kart @ End Of Race})$$

Jr. 2 Restricted LO-206:

$$(300 \text{ lb}) - (\text{Team Average Weight}) = (\text{Minimum Weight of Kart @ End Of Race})$$

- Each team must indicate their driver sequence at sign-in. The order will be recorded on the team's Tech sheet and must be followed throughout competition. Timing & scoring will monitor that each driver is completing approximately the same number of laps between pit stops.

Pit Rules

- Pit spots are pre-assigned according to team number. Spots are a minimum of 10' x 10' (larger when space permits).
- **This is a hot-pit event.** Please use caution when walking anywhere in the pit area. Children must be supervised at all times. Canopies must be secured at all 4 corners.
- The following are **not allowed** in the hot pits at any time: Smoking, pets, unsupervised minors, fuel containers larger than 1 gallon, unmounted ballast, engine parts or mounted spare tires (without prior approval).
- The Pit Referees are in charge of safety, rules enforcement and penalties. Their decisions are final.
- The kart must be fully unoccupied at all times during refueling.
 - Fuel tank caps cannot be removed until kart has come to a complete stop.
- The engine must be shut off any time the driver is not fully seated.
- Pit lane speed must be limited to a normal walking pace (1 - 2 MPH) and will be strictly enforced.
- The ground where the kart will be serviced must be adequately covered to prevent spills from reaching the pavement. An absorbent material such as a carpet or cardboard remnant is recommended.
- Maximum refueling container capacity = 1 gallon. Gravity delivery only, may not exceed 72" from the ground. Larger fuel storage containers should be clearly marked with the team number and must remain in the Tech fuel paddock for the entirety of the event. Filling of the refueling container must be done in the Tech fuel paddock.
- Karts must move under their own power only -- No push offs.
- Waste oil should be disposed of in the marked container located in the fuel paddock. Please do not throw waste oil in trash cans.
- Radio or electronic communication between driver and pit crew are not allowed.

Racing Rules

- Kart Retrieval: If a kart becomes disabled, the driver must move the kart safely off the track out of harms way. Failure to move the kart into a safe position, as determined by race officials, will result in a timed stop penalty.
 - a) Adams Motorsports Park: ONE team member may take a stand to safely retrieve the disabled kart. Once a stand has been taken out for retrieval, the kart MUST return to the team's pit on the stand. Absolutely no tools or repairs allowed on course.

- b) CalSpeed Karting: A retrieval vehicle will be used.
- The starting driver and no more than one mechanic must be in the team's assigned starting position on the front straight within 5 minutes of start time. Teams not in place forfeit their position and start from the pit lane.
 - The Race Director will indicate: 1 minute (start engines), 30 seconds (raised green flag) and Start (dropped green flag).
 - The overtaking flag is not in use. It is the responsibility of the overtaking driver to complete the pass safely. It is the responsibility of the driver being overtaken to maintain their line. Ramming or blocking may result in a timed stop penalty.
 - Two oil change stops are required during the course of the event. Teams electing not to change oil must inform the Pit Referee and will be held an additional 3 minutes (=180 sec.) for each oil change missed.
 - If a team does not perform the required oil changes without informing the Pit Referee and does not take the 3 minute in race penalty stop(s), they will be penalized 5 minutes in the final timed results post race for each oil change missed.
 - One wheel/tire rotation must be completed within the timed race event.
 - A wheel/tire rotation: The left front & rear wheel/tire assemblies must be swapped with the right side front & rear wheel/tire assemblies.
 - The wheel/tire rotation may be done any time during the race, **except during an oil change stop.**
 - Tires must be marked by an Endurance race official prior to the start of the race.

Penalties

- Penalties will be served in the Penalty Box located at pit exit. If the box is occupied the driver must wait in queue to enter and begin the penalty.
- Driver changes are not allowed during penalty (black flag) stops.
- Refueling or oil change spill: 45 sec.
- Kart breakdown retrieval violation: 3 minutes (=180 sec). Black flag to return to the pits to serve the penalty.
- Engine running with no driver in kart: 45 sec.
- Pit speed exceeding a normal walking pace (1 - 2 MPH): 45 sec. Excessive speed after the stop is complete may result in black flag to return to the pits to serve the penalty.
- Failure to heed caution flag: 45 sec. Black flag to return to the pits to serve the penalty.

- Avoidable contact / rough driving: 60 sec. Black flag to return to the pits for the penalty. Repeated violations will result in a driver or team's removal from the event.
- Failure to adhere to driver sequence: Post-race scoring adjustment -- Loss of all laps scored while drivers were out of sequence.
- Hostility toward officials may result in a driver or team's removal from the event.

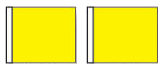
Flags



GREEN: Race Start



CORNER YELLOW: No passing, watch for disabled kart(s) ahead



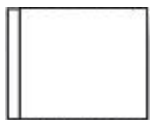
STARTER DOUBLE YELLOW: Full course caution, slow & single file



BLACK: Violation, report immediately to pit for consultation



RED: Race stopped -- Slow, proceed single file to start line and stop



WHITE: One lap remaining



CHECKER: Race complete