

2009 RULES

ROAD AMERICA KARTING CLUB

2 CHAMPIONSHIP KART RACING SERIES

RAKC Weekend Series Features 2 and 4 Cycle Classes 50cc Kid Karts Briggs Animal Stock Sports Briggs Animal Sports Briggs Animal Junior Briggs Animal Senior Kohler Sports Kohler Junior Kohler Senior Yamaha SSX Sports Yamaha SSX Lite Yamaha SSX Heavy H.P.V. 100 T.A.G. Rotax Junior, Senior, Master Rotax DD2	TERAKC Tuesday Evening Series Features 4 Cycle and Kid Kart Classes 50cc Kid Karts Briggs Animal Stock Sports Briggs Animal Sports Briggs Animal Junior Briggs Animal Senior Kohler Sports Kohler Junior Kohler Senior
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RAKC Schedule (Saturday Afternoons) Race #1 May 9th Race #2 May 30th Race #3 June 20th (Night Race) Race #4 Aug 8th Race #5 Aug 29th (Night Race) Race #6 Sept 5th Race #7 Sept 19th	TERAKC Schedule Race #1 May 12th Race #2 May 19th Race #3 June 2nd Race #4 June 9th Race #5 June 16th Race #6 June 23rd Race #7 June 30th Race #8 July 7th Race #9 July 14th Race #10 July 21st Race #11 July 28th Race #12 Aug 4th Race #13 Aug 11th Race #14 Aug 18th
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Best of 6 Races for Championship Morning Practice Sessions 9 am Races Start at 1 pm	Best of 12 Races for Championship 4:30 pm Practice Sessions Races Start at 6:45 pm
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Use Gate #4 off Hwy J for Sign-in RAKC opens 8am – TERAKC opens 4pm
Registration Cut-off 1 Hour Prior to Race

Road America
N7390 Hwy. 67
Elkhart Lake, WI 53020

Phone 1-800-365-7223
www.roadamerica.com
www.rakartclub.com

1. Class Requirements RAKC & TERA KC will race under World Karting Association (WKA) rules, unless otherwise noted, to obtain a WKA technical manual, see www.worldkarting.com or call 704-455-1606.

Class	Age	Weight	Tire	Fuel	Engine	Restrictions
50cc Kid Kart	5 - 7	150	YHC	Gas & Oil	Comer C50/51	Unaltered box stock 10 and 89 sprockets
Animal Stock Sports	8 - 12	260	YJL	Methanol	Briggs Local Option 206 Engine only (see separate rule sheet)	Plate #434300 blue Spec. pipe and clutch Additional sealing
Animal Sports	8 - 12	260	YJL	Methanol	Briggs & Stratton Animal WKA 08 or 09 Tech Rules	Gold Plate .505 Plate # 4344
Animal Junior	12 - 15	300	YJL	Methanol	Briggs & Stratton Animal WKA 08 or 09 Tech Rules	
Animal Senior	15 -	360	YJL	Methanol	Briggs & Stratton Animal WKA 08 or 09 Tech Rules	
Kohler Sports	8 - 12	260	YJL	Gas only	Kohler XKE 6 H.P. (see separate rule sheet)	Gold Plate .500 Plate # 151 46 06S
Kohler Junior	12 - 15	300	YJL	Gas only	Kohler XKE 6 H.P. (see separate rule sheet)	Unaltered box stock
Kohler Senior	15 -	340	YJL	Gas only	Kohler XKE 6 H.P. (see separate rule sheet)	Unaltered box stock
Yamaha SSX Sports	8 - 12	260	YHC	Gas & Oil	Yamaha KT100S WA55B Carb & Manifold	RLV SSX Muffler # 7543 or # 7548
Yamaha SSX Lite	12 -	320	YHC	Gas & Oil	Yamaha KT100S WKA Tech Rules New or old cylinder allowed	RLV SSX Muffler # 7543 or # 7548
Yamaha SSX Heavy	15 -	360	YHC	Gas & Oil	Yamaha KT100S WKA Tech Rules New or old cylinder allowed	RLV SSX Muffler # 7543 or # 7548
H.P.V. 100	12 -	340	YHC	Gas & Oil	HPV 100 WKA Tech Rules	HPV#3 Carburetor HPV#4 Pipe/header 11x7.1-5 rear tires
T.A.G.	15 -	WKA	YHC	Gas & Oil	Engine & Weights Per WKA	WKA Tech Rules
Rotax Junior	13 - 16	320	Mojo D2	Gas & Oil	RMax Challenge Rules (see separate rule sheet)	Tech performed by Great Northern Rotax Series (GNRS) official for all Rotax classes. Race procedures will Differ from the RAKC race procedures. see separate rule sheet
Rotax Senior	15 -	365	Mojo D2	Gas & Oil	RMax Challenge Rules (see separate rule sheet)	
Rotax Master	16 -	405	Mojo D2	Gas & Oil	RMax Challenge Rules (see separate rule sheet)	
Rotax DD2	15 -	385	Mojo D3	Gas & Oil	RMax Challenge Rules (see separate rule sheet)	

- 1.2 Age as of May 1st, 2008 determines which class you can participate in. Adjustment to move up a class, driver must be within one year of age class and have approval.
- 1.3 Engines are subject to tech inspection at any time, refusal of inspection from tech official will be Immediate disqualification of points for the entire season, and may result in a suspension.
- 1.4 Fuel testing: No additives of any kind are allowed (any derivatives of nitro or oxidizers are illegal). All methanol classes will go thru pump around system (arrive with amount of fuel you'll be using). All gas classes will be tested using a Digitron fuel meter (spec oil is Burris Castor or Burris Blend).
- 1.5 All classes must use unaltered authorized mufflers, must be removable from pipe (no welded on). 4 cycle classes must use an RLV #B91 muffler. Yamaha classes must use RLV #7543 (4 holes spaced between 12 and 3 o'clock) or RLV #7548 (4 holes spaced 90 degrees of each other).

- 1.6 Clutches: no axle clutches allowed. 4 cycle classes any dry type clutch allowed (except Animal Sports which will run the spec clutch) all other classes must use WKA authorized clutches.
- 1.7 Bodywork must conform to either WKA Manufactures Cup or Gold Cup specifications.
- 1.8 Karts must have their number on all four sides, minimum of 5 inches tall and visibly to Race Officials.
- 1.9 No tire treating chemicals are allowed on Road America premises.
- 1.10 Tires that can be used other then spec tire. 4 cycle: Bridgestone YDS, 2 cycle: Bridgestone YJL,YDS
- 1.11 No changing of tires after your first race (unless you have damaged tire, must be approved by Race Director before it can be changed and only damaged tire can be replaced).
- 1.12 Club members will be required to place decal of series sponsor on their kart (decal will be provided).

2. General Rules

- 2.1 All participants must have all waivers, EMT forms and entry fees completed before competing in any events. Note: proof of age is required for all minors
- 2.2 No driving of karts in the pit area. Karts can be driven only when leaving grid on the track or on track exit lane. Karts will be pushed to the grid and pushed after clearing the scale on the exit lane.
- 2.3 No pitting on the asphalt, only on grass or gravel areas. Pit stalls are not reserved and are on a first come first serve basis.
- 2.4 Unsportsmanlike conduct, i.e. abusive and/or foul language, fighting, refused cooperation, etc. will not be tolerated. Anyone exhibiting such conduct will be disqualified from the event and required to leave the facility, and is subject to further disciplinary action.
- 2.5 Rough driving will not be tolerated at anytime. Anyone intentionally bumping, hitting, chopping, blocking or driving in an out of control manner, will be warned, penalized, disqualified or suspended depending on the severity of the incident.
- 2.6 No one is allowed to enter the timing and scoring building without permission from a race official, failure to comply with this could result in disqualification from the event.
- 2.7 Alcoholic beverages are not allowed on the grid or track during any events, no driver or crew member can drink alcoholic beverages during an event, only after your done racing and in a responsible manner
- 2.8 No spectators are allowed on the grid or track during the event, a driver or pit pass arm band must be shown to security to gain access.
- 2.9 Parents or Guardians are to be responsible for any children they brought to the races, i.e. don't let them run around unsupervised.

3. Safety Rules

- 3.1 Driver/Crew: are responsible for kart safety and pit safety at all times. They must keep all non crew people away from any running or hot karts. Note: stay clear of any rotating parts i.e. wheels, chains, stay clear any hot parts i.e. exhaust pipes, brake rotors etc.
- 3.2 Starting motor: driver must be in kart prior to starting or kart must be on a secure stand.
- 3.3 Drivers must operate their kart in a safe manner at all times and adhere to all flags and instructions given while on track. No driving of kart until marked hot grid and will be at minimal speed until on track. When exiting the track, slow down until you are at a safe minimal speed, turn off engine after you have cleared the drive over scale.

- 3.4 During practice driver will stay to the left of blend line when entering track until it ends and will safely merge onto track.
 - 3.5 Mechanical problems: drivers must use hand signals to warn other karts (put one hand straight-up not out to the side of kart) attempt to get off racing surface in a safe manner, if a brake failure occurs do not pull into pits, drive around until kart is at a slow enough speed to safely pull off.
 - 3.6 Disabled karts: attempt to move kart farther away from racing surface to a safer area if possible.
 - 3.7 All added weights must be painted white and securely fastened (5/16 bolt min. double nutted or pinned)
 - 3.8 Drivers safety equipment:
 - Helmet (Snell 95 or higher rating) with hard shield.
 - Racing suit or racing jacket with long abrasion resistant pants.
 - Proper driving shoes (no sandals or loafers).
 - Gloves: full coverage of hand, made of suitable material.
 - Neck collar: racing type
 - Rib/chest protectors (mandatory for Kid Karts and Sports classes).
 - 3.9 Corner Workers: we need crew members, pit pass holders and drivers to volunteer for corner workers, a minimum of 3 corner workers per race must be on the track before race can begin.
 - 3.10 All karts must go through a safety check (pre-tech) and receive sticker, before competing in races. It's your responsibility to keep all safety equipment intact during the entire season, a safety check may be done at anytime during the season.
 - 3.11 Rookies: for all classes inexperienced drivers may have to start in the rear of the field until approved by the Race Director. For first year drivers in the Sports and Junior classes, you must adhere a visible X on the back of their helmet (use yellow or some other contrasting colored tape).
 - 3.12 Any driver may request to start in the rear of the field, and is recommended if you feel your equipment or ability may impeded the rest of the field to start in the back until you feel comfortable.
 - 3.13 The Race Director reserves the right to ban or move any driver from a class in case of safety issues.
- 4. Race Procedures**
- 4.1 Race Format: 2 heat races of 5 laps each, 1 feature race of 10 laps. (Kid Karts run timed races)
 - 4.2 Heat race grid position: 1st heat random computer draw – 2nd heat inverted positions from 1st heat.
 - 4.3 Feature grid position: based on points earned in heat races, most points starts on pole and so on. In event of a tie in heat race points, fastest lap times in either heat will get higher starting position.

POSITION	HEAT RACE	FEATURE RACE
1st	25	100
2nd	22	80
3rd	19	70
4th	16	65
5th	13	60
6th	11	55
7th	9	50
8th	7	45
9th	5	40
10th	4	38
11th	3	36
12th	2	34
13th	1	32
14th	0	30
15th	0	28

- 4.4 Timing and scoring will be using the AMB TransX 160 transponder system. It's your responsibility to have a charged and working transponder on your kart. The track doesn't have any rental units, so you have to supply your own, you can purchase them at www.amb-it.com.
- 4.5 The transponder must be mounted vertically on the inside of your left side pod or seat (it must be a minimum of 10 inches back from your left side kingpin bolt of the spindle).
- 4.6 All points earned from both heat races and the feature are combined for total points for the event.
- 4.7 Any kart that receives the green flag under its own power but doesn't finish the race will be scored.
- 4.8 Any kart that receives the meat ball flag (mechanical or safety) will be scored.
- 4.9 Any kart that is disqualified post race (technical inspection) will not receive any points for the event.
- 4.10 Competitors cannot drop a race event they were disqualified in for technical inspection infractions.
- 4.11 Any kart that is black flagged from the race must safely exit the track on the exit lane and report to the scale, the driver will be informed by the Race Director of what action will be taken for the driving infraction, which will include position penalty (last place points) or zero points for that race. Repeat offenders are subject to an un-droppable disqualification or suspension.
- 4.12 The Race Director reserves the right to impose warnings or penalties on any karts that have been seen first hand or by an official breaking any rules, including driving infractions.
- 4.13 When there is a no show for grid position the line of karts directly behind open spot will move up.
- 4.14 Classes may be grouped with another like speed class, but will be scored separately and in most cases will have a spaced start.
- 4.15 Driver's responsibility's on the race starts: kart in pole position (inside lane) shall set a reasonable pace to the starting cone, the outside front row kart shall keep pace with the pole kart
- 4.16 Jumped starts: the flagman has control of the race start if there is an waved off start caused by the front row karts, one more attempt will be made, if they cause another waved off start they (both karts) shall be placed in the back row of the field.
For split group starts the race director reserves the right to impose a penalty for jumping the start. Penalties may include a warning, position penalty or disqualification depending on the severity of the incident.
The Race Director may implement a standing start for any problematic race group(s).
- 4.17 Scaling: all karts must drive over scale after every race to be scored for that race, any kart that doesn't get scaled or doesn't meet minimum class weight will zero points for that race. If you fail to make weight you will be able to pull off scale and have another competitor weigh in, then try one more time, if you fail to make weight again and the scale is deemed accurate you will receive zero points.
- 4.18 Note: no one other than driver and scaling official are allowed in scale area during weigh in.
- 4.19 Flagging: If you have any questions about the use of flags, please ask a race official for clarification.

- 4.20 Yellow flags: when the yellow flag is displayed as a warning “local yellow” (flag is held at waist height and not waving). Driver cannot pass until the next turn is completed (i.e.disabled kart(s) ahead but not on racing surface).
When a yellow flag is displayed in a “blocked track or bad accident manner”, (waving flag above shoulder height wildly) driver must slowdown, if track is clear ahead, lead kart must assume pace lap speed and drive to flag stand for a single file restart or red flag (if red flag stop on start/finish line).
- 4.21 Red flags: if the race is to be restarted after a red flag, karts grid position will be based on lap prior to the red. (Race Director/Flagman will determine if race will be restarted) all restarts will be single file.
- 4.22 Rain outs: if all the heats from all the classes have been completed the race is official, if within 2 heats of finishing all heats, the 2 heats will be run before the next race day to make race final.
Points for rained out features will be determined by your grid position from the heat races.
Drying track conditions after rain delay, lap totals for races may be lowered due to time restrains.
If race is rained out and cannot be made up, it will be dropped from the schedule.
Your drop race(s) from the final points will remain.
- 4.23 Seasons final points after drop(s) will determine what place in final championship standings.
- 4.24 Ties in season points total will be decided on #1 most feature wins, #2 highest finishing position of last race.
- 4.25 Protests: all protests must be presented to the race director. Note approaching any other official could lead to a disqualification i.e. (yelling at the scale, scoring or the flagman will not be tolerated).
- 4.26 To receive any year end awards, you must participate in at least half of that seasons races.

Registration slips must be handed in as soon as possible at the timing and scoring building, late entrees may have to start in the back of both heats. TERAKC cutoff time 6pm. RAKC cutoff time 12pm. Make arrangements ahead of time, if you know you will be late for registration.

Race day sign-in will be at gate #4 off Hwy J. TERAKC sign-in 4pm to 6:30pm
RAKC sign-in 8am to 1pm

Wednesday practice sign-in will be at the Farm house at gate #6, call ahead for practice day times.

This rule book was not intended to cover all aspects of the kart club, it will be used as a guide unless it's a clear cut decision, and will be used in conjunction with the WKA rules book.