

2010 ROAD AMERICA KARTING CLUB RULES

2 CHAMPIONSHIP KART RACING SERIES

RAKC Weekend Series	TERAKC Tuesday Evening Series
<p>All Classes 2 Cycle and 4 Cycle</p> <p>50cc Kid Karts Champion Kid Karts Briggs 206 Sports Briggs Animal Sports Briggs 206 Junior Briggs Animal Junior Briggs 206 Senior Briggs Animal Senior Kohler X.K.E. Yamaha SSX Sports Yamaha SSX Lite Yamaha SSX Heavy Komet Junior (HPV renamed) Komet Senior (HPV renamed) T.A.G. Rotax DD2</p>	<p>Only 4 Cycle and Kid Kart Classes</p> <p>50cc Kid Karts Briggs 206 Sports Briggs Animal Sports Briggs 206 Junior Briggs Animal Junior Briggs 206 Senior Briggs Animal Senior Kohler X.K.E.</p>

RAKC Schedule (1 drop)	TERAKC Schedule (2 drops)	
<p>Race #1 May 8th Race #2 May 15th (Night Race) Race #3 May 22nd <i>Rain make up date May 23rd</i> Race #4 June 26th (Night Race) Race #5 July 24th <i>Rain make up date July 25th</i> Race #6 Aug 14th Race #7 Aug 15th (Sunday) Race #8 Sept 4th Race #9 Sept 25th (Night Race) <i>Rain make up date Oct 2nd</i></p>	<p>Race #1 May 11th Race #2 May 18th Race #3 May 25th Race #4 June 8th Race #5 June 15th Race #6 June 22nd Race #7 June 29th</p> <p><i>Rain make up dates</i></p>	<p>Race #8 July 6th Race #9 July 13th Race #10 July 20th Race #11 July 27th Race #12 Aug 3rd Race #13 Aug 10th Race #14 Aug 17th</p> <p><i>Aug 24th</i> <i>Aug 31st</i> <i>Sept 7th</i></p>

RAKC gate#4 opens 9am – Racing at Noon RAKC nights gate#4 opens 3pm – Racing 5:30	TERAKC gate#4 opens 4pm – Racing at 6:30
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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.

Kid Kart Classes	Age	Weight	Tire	Fuel	Engine	Restrictions
Kid Karts <i>*both series</i>	5 - 7	<u>150</u> 170	YKC YHC YJL	<u>Gas & Oil</u> Gas only	Comer C50/51 Briggs 206 Junior	Non-points class <u>WKA tech rules</u> WKA 708/709 rules
Champion Kid Karts <i>*weekend series only</i>	5 - 7	150	YKC	Gas & Oil	Comer C51 Engine only No old style C50 allowed WKA Tech Rules	* <u>Points class</u> Transponder needed 10 and 89 sprockets
4 Cycle Classes <i>*both series</i>	Age	Weight	Tire	Fuel	Engine	Restrictions
Briggs 206 Sports	8 - 12	260	YKC	Pump Gas only	Briggs Local Option 206 Engine only	Plate #434300 blue WKA 708 rules spec pipe/shoe clutch
Animal Sports	8 - 12	260	YKC	Methanol	Briggs & Stratton Animal WKA Tech Rules	Gold Plate .505 Plate # 4344
Briggs 206 Junior	12 - 15	300	YKC	Pump Gas only	Briggs Local Option 206 Engine only	WKA 708 rules spec pipe/shoe clutch
Animal Junior	12 - 15	300	YKC	Methanol	Briggs & Stratton Animal WKA Tech Rules	WKA Tech Rules
Briggs 206 Senior	15 -	360	YKC	Pump Gas only	Briggs Local Option 206 Engine only	WKA 708 rules spec pipe/shoe clutch
Animal Senior	15 -	360	YKC	Methanol	Briggs & Stratton Animal WKA Tech Rules	WKA Tech Rules
Kohler XKE	13 -	340	YKC	Pump Gas only	Kohler XKE 6 H.P. (see separate rule sheet)	Unaltered box stock
2 Cycle Classes <i>*weekend series</i>	Age	Weight	Tire	Fuel	Engine	Restrictions
Yamaha Sports	8 - 12	250	YKC	Gas & Oil	Yamaha KT100S WA55B Carb & Manifold	RLV SSX Muffler # 7543 or # 7548
Yamaha Lite	12 -	320	YKC	Gas & Oil	Yamaha KT100S WKA Tech Rules New or old cylinder allowed	RLV SSX Muffler # 7543 or # 7548
Yamaha Heavy	15 -	360	YKC	Gas & Oil	Yamaha KT100S WKA Tech Rules New or old cylinder allowed	RLV SSX Muffler # 7543 or # 7548
Komet Junior (HPV)	12 - 15	310	YKC	Gas & Oil	Komet Piston Port (HPV) WKA Tech Rules New or old clutch allowed	KPP#3 Carburetor KPP#2 Pipe Only Tires 4.5 ft. - 6.0 rear
Komet Senior (HPV)	15 -	340	YKC	Gas & Oil	Komet Piston Port (HPV) WKA Tech Rules New or old clutch allowed	KPP#3 Carburetor KPP#4 Pipe Only Tires 4.5 ft. - 7.1 rear
T.A.G.	15 -	WKA	YKC	Gas & Oil	Engine & Weights Per WKA (see below)	WKA Tech Rules
Rotax DD2	15 -	385	YKC	Gas & Oil	RMax Challenge Rules	RMax Challenge Rules

TAG Weights:

BM Jaguar 350# - Cheetah SQ124 350# - Comer K365 380# - Easykart 350# - Motor Seven 365# - Parilla Leopard 365#
Rotax FR125 365# - Sonik TX125 380# - Sonik VX125 365# - Vortex Rok 350# - Vortex Rok TT 380# - PRD fireball 350#

- 1.2 Age as of May 1st, 2010 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 may be tested using a Digitron fuel meter (spec oil is Burris Castor or Burris Blend). All 4 cycle gas classes, must use gas station pump gas (must retain natural color) NO racing gas, NO adding of methanol or any other liquid fuel (must remain as it came from the pump) water testing and lab testing may be done. Penalty for illegal fuel is a non-droppable disqualification.
- 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 LO206 classes which will run a shoe clutch) all other classes must use WKA authorized clutches.
- 1.7 Bodywork must conform to either WKA Manufacturers 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 Tire rules: only untreated Bridgestone YKC tires are allowed, no altering of any kind allowed. Tires must remain dry no washing or cleaning of tires at the track, wire brushing or scraping to remove debris or rubber build up is allowed.
- 1.10 Tire testing may include comparing durometer readings, visual inspection, sniffer testing, inner tire painting, lab testing and weekly at the track tire storage. The acting Race Director will make final decision on tire legality (an example of legal tire would be: tire(s) that are within 4 points of base numbers, and show no signs of treating).
Penalties:
1st offense- non-droppable disqualification (must present new tires next race to participate).
2nd offense- loss of season points and suspension for 2 races (need approval to race again)
3rd offense- banned from participating at all Road America Karting Club events.
- 1.11 No changing of tires after your first race (unless you have damaged a tire, must be approved by Race Director before it can be changed and only damaged tire can be replaced).
- 1.12 Club members may 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 to 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. Drivers are responsible for team members behavior. If a member of your team display's unsportsmanlike conduct the driver can be penalized.

- 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 engine: 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, stop short of kart in front of you by 3 or 4 feet, turn off engine and push kart over scales.
- 3.4 During practice driver will stay to the left of blend line when entering track until it ends and will safety 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
16th	0	26
17th	0	24

- 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 does have a limited supply of rental units available, which can be rented in the timing and scoring trailer. Transponders can be purchased 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 a non-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 go 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 receive 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 you will receive zero points for that race.
- 4.18 Note: no one other than driver and scaling official(s) 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). No passing until past problem (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, no passing until pass problem, look ahead for flagging instructions or hand instructions, when approaching flag stand if red flag is displayed stop at the 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 the season's races and your class must retain at least 3 entries in half of the races for the season.

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. TERA KC cutoff time 6pm. RAKC cutoff time 11am. Make arrangements ahead of time, if you know you will be late for registration.

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.