

KARTING 101

Presented by:



Welcome!

Kart racing is recognized as one of the most exciting and purest forms of racing. It is also the most affordable.

CKRA (Championship Kart Racing Assoc.) is a not-for-profit organization that operates Thompson Kart Raceway. CKRA leases Thompson Kart Raceway from Kuhnle Motorsports Park.

CKRA wants to help you and your family get involved in this awesome motorsport! So join our club for this introduction to the sport of Kart Racing and you too could live your dreams!!



The Rules - NKA and CKRA

- Thompson Kart Raceway is a member track of the National Karting Alliance (NKA). Racing operations are regulated by the NKA Tech Manual unless otherwise noted.
- In the interests of our Club's membership, CKRA class structures deviate from the associated class structures listed in the NKA Tech Manual.
- If any particular exception or deviation is not specifically indicated below, then follow NKA regulations.
- It is the responsibility of the driver/crew chief to know and understand the rules.
- NKA updates their regulations as necessary throughout the year and can be viewed on the NKA website.
- CKRA also reserves the right to update regulations as necessary and will post updates on the CKRA website.



Class Structures

Age Groups, Engines, Tires and other Basic Rules



Class Structures - Ages and Engines

- Ages
 - 5-7 - Kid Kart
 - 8-12 - Cadet
 - 12-15 - Junior
 - 15+ - Senior
 - 35+ - Masters
- Engines
 - 4-Cycle
 - Briggs 206 (all classes)
 - 2-cycle
 - Comer (Kid Kart)
 - IAME Swift (Cadet)
 - KA 100 (Junior and Senior)



Class Structures - Kid Kart

- ages 5 to 7
- Participation class per NKA rules to allow children to learn to race in a friendly, fun environment.
- No season points. Participation awards to each Kid Kart driver.
- Gearing: Chain
 - Comer - #219, 10 tooth front sprocket, 89 tooth rear sprocket
 - 206 - #35 chain, 17 tooth front sprocket, 57 tooth rear sprocket
- Tire size 10 x 450 or 460 x 5 with maximum rear tire circumference of 33.75"
- Weight:
 - Option One: Minimum 150 lbs. - for Kart with Comer 50/51cc
 - Option Two: Minimum 170 lbs - for Kart with Briggs 206



Class Structures - 206 Cadet

- ages 8 to 12
- Engine: Briggs Racing 206
- Exhaust: RLV pipe (#5506, #5507)
- Weight
 - Option One - Minimum 255 lbs. - must use Red slide (#555733) in Carburetor with carb lock
 - Option Two - Minimum 295 lbs. - must use Green slide (#555740) in Carburetor with carb lock
 - Maximum kart only weight (without driver) for Green slide is 205 lbs.
- Spec Tire:
 - MOJO D2
 - MG RED SH or SH2
 - Hoosier R60B
 - Vega Red
- NKA bodywork rules
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining equality



Class Structures - 206 Junior

- ages 12 to 15
- Engine: Briggs Racing 206
- Exhaust: RLV pipe (#5506, #5507)
- Weight
 - Option One - Minimum 300 lbs. - must use Blue slide (#555734) in Carburetor with carb lock
 - Option Two - Minimum 320 lbs. - must use Yellow slide (#555741) in Carburetor with carb lock
- Spec Tire:
 - MOJO D2
 - MG RED SH or SH2
 - Hoosier R60B
 - Vega Red
- NKA bodywork rules
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining equality.



Class Structures - 206 Senior

- ages 15 and up
- Engine: Briggs Racing 206
- Exhaust: RLV pipe (#5506, #5507)
- Weight
 - Option One - Minimum 360 lbs. - must use Green coil
- Spec Tire:
 - MOJO D2
 - MG RED SH or SH2
 - Hoosier R60B
 - Vega Red
- NKA bodywork rules - Gold Cup or CIK
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining equality.



Class Structures - 206 Masters

- ages: 35+
- Engine: Briggs Racing 206
- Exhaust: RLV pipe (#5506, #5507)
- Weight: 385lbs
- Spec Tire:
 - MOJO D2
 - MG RED SH or SH2
 - Hoosier R60B
 - Vega Red
- NKA bodywork rules - Gold Cup or CIK
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining equality.
- Drivers 18 years and older who are over 200lbs. can request an age waiver.



Class Structures - 2-cycle Cadet

- ages 8 to 12
- IAME Micro Swift
- Weight: 250#
- Micro ROK
- Weight: 255#
- Yamaha is welcome to run (235#), but parity will not be possible.
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining parity.
- Spec Tire: MG RED SH or SH2



Class Structures - 2-cycle Junior

- ages 12 to 15
- IAME KA100
- Weight 320
- 22mm IAME Exhaust Restrictor
- Spec Tire: MG RED SH or SH2



Class Structures - 2-cycle Senior

- ages 15 and up
- Option One
 - IAME KA100
 - Weight - 370 lbs.
- Option Two
 - Yamaha KT100S
 - Weight - 345 lbs.
 - Exhaust - SR-Y Pipe
- Clutch is mandatory
- Spec Tire: MG RED SH or SH2
- NKA bodywork rules - CIK
- CKRA reserves the right to make adjustments to class specs in the interest of maintaining equality.



Class Structure - Novice

- This group will be run on an as-needed basis to provide a place for new participants to learn to race without the hazard of running with seasoned veterans.
- The group can be comprised of 2-Cycle and 206 drivers of the same age group.
- Scoring - Finishing position will be as if they finished at the tail end of the appropriate class. For example, if there were 6 entries in the Cadet 2-cycle class, the highest finishing Cadet 2-cycle in the Novice Group would receive 7th place points for the day, and so on with any other Cadet 2-cycle. The same practice would apply to the Cadet Briggs 206 in that Novice Group.
- This concept can be applied to any class if the number of entries warrant its use.



The Costs of Karting

Start-up, Maintenance, and Competition



Startup - Kid Kart

- Complete Package
 - New - \$3500-\$4000
 - Used - \$1000-\$2500



Startup - Cadet

- Chassis - “roller”(no engine, tires)
 - New - \$3000-4000
 - Used - \$1000 and up
- Engine
 - Briggs 206 - (4 Cycle)
 - Complete Pkg \$980-1100(engine, mount, exhaust, chain guard, air filter, exhaust)
 - Additional cost Professional engine preparation(\$250-450)
 - Complete used kart (\$1800-\$2800)
 - Swift Engine Pkg(2 Cycle)
 - \$1995 (engine mount \$100-180)
 - Additional cost Professional Engine Blueprinting (\$700-900)
 - Complete used Kart (\$2300-\$3600)



Startup - Junior/Senior

- Chassis (new)
 - \$3000-\$4900 for a 4-cycle "roller"
 - \$4000-\$5500 for a 2-cycle "roller"
- Engine (new)
 - Briggs 206 (4 Cycle)
 - Complete Pkg \$950-1070 (engine, mount, exhaust, chain guard, air filter, exhaust)
 - Additional cost-Professional engine preparation (\$250-\$450)
 - Complete used kart (\$1800-3500)
 - IAME KA100 (2-Cycle)
 - Pkg \$2795 (Electrical, Pipe, Airbox)
 - Engine mount \$110-\$250
 - Additional cost Professional Engine Blueprinting (\$700-900)
- Complete used Karts
 - 4-cycle - \$1800-\$3500
 - 2-cycle - \$4000-\$6500



Safety is a Priority

- All Classes
 - SNELL rated helmet
 - Gloves
 - Abrasion resistant driver suit or Jeans and Abrasion resistant Jacket
 - Closed-toe shoes
 - Neck Brace
- Kid Kart, Cadet
 - Rated chest protector
- Optional (sort of)
 - Rib brace



Maintenance - Additional Needs

- Consumables - Tires, Fuel, and Oil
- MyChron Gauge - \$595 (New) - \$250-450 (used)
- Tire Gauge - \$35-\$200 Buy a Good ONE!!!!
- Air Tank - \$70-\$150
- Kart Stand - \$275-\$400 (New) - \$100-\$300 (Used)
- Special Tools (We will discuss)



Competition - Race Fees

STANDARD CKRA POINTS RACE

- \$12 Gate Fee per person (Includes Pit Pass)
- \$50 Driver Class Entry Fee (Club Member)
- \$55 Driver Class Entry Fee (Non Member)
- \$25 Each additional class entry

KUHNLE CUP

- \$15 Gate Fee per person (Includes Pit Pass)
- \$65 Driver Class Entry Fee (Club Member)
- \$70 Driver Class Entry Fee (Non Member)
- \$35 Each additional class entry

HOT SUMMER NIGHTS

- \$12 Gate Fee per person (Includes Pit Pass)
- \$55 Driver Class Entry Fee (Club Member)
- \$60 Driver Class Entry Fee (Non Member)
- \$30 Each additional class entry



Competition - Practice Fees

WEDNESDAY

- \$8 Gate Fee per person (Includes Pit Pass)
- Club Member \$20 per driver
- Non Club Member \$25 per driver

SATURDAY

- \$10 Gate Fee per person (Includes Pit Pass)
- Club Member \$30 per driver
- Non Club Member \$40 per driver



Membership

Annual Associate Membership

(Individual or household)

- \$50 at the track
- \$35 if paid by mail
- Form available on Website



What Can I Expect?

So you've never done this before...



A *Day* at the Races

- Gates Open - 8:30 am
- Registration - 9:00 -10:30 am
- Warm-ups
 - Begin promptly at 10am
 - Two 5-minute sessions
 - Order to be determined day of and can be changed week-to-week based upon family needs.
- 10 minute break after final kart is off the track
- Drivers Meeting
 - Kid Karts come to meeting with Karts ready to race
- National Anthem
- Heats OR Qualifying/Pre-Final
 - to begin immediately following National Anthem
 - 5 minutes +2 laps
 - race ready racing - as soon as track is clear, next group takes the track
- Kid Kart Final - 7 minutes +2 laps
- Intermission - 30 Minutes
- Finals
 - 7 minutes +2 laps
 - race ready racing



A *Night* at the Races

- Gates Open 1 pm
- Open Practice - 1 - 4:30 pm
- Registration - 4 - 5:30 pm
- Warm-ups
 - Begin promptly at 5 pm
 - Two 5-minute sessions
 - Order to be determined day of and can be changed week-to-week based upon family needs.
- 10 minute break after final kart is off the track
- Drivers Meeting
 - Kid Karts come to meeting with Karts ready to race
- National Anthem
- Heats OR Qualifying/Pre-Final
 - to begin immediately following National Anthem
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