

# 2010 Rule Book



**Minnewaska Area Go-Kart Racing Association**

**[www.MinnewaskaGoKarting.com](http://www.MinnewaskaGoKarting.com)**

**Hwy. 28  
Westport, MN**

**Mailing Address:  
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## **INTENT OF THIS RULEBOOK**

The intent of this rulebook is to provide a safe set of rules and procedures to race by that make it as fair as possible for all to race and be competitive. This rulebook will help establish the legality of karts and engines used at the Minnewaska Area Go-Kart Racing Association's track located in Westport, MN.

The following rules are for the 2010 racing season. The Association has the right to modify and amend these rules because of tech updates or safety requirements. If a modification or an item of optional equipment is not listed specifically, it will be considered illegal and will not be allowed. The Association's officials will decide if your kart or the operation of your kart is legal. Pre-tech inspection will be required before you race. If it is determined that your kart or your operation of it is dangerous to yourself and or others, you will not be able to compete that evening. If illegal parts can be changed before competition, officials will have the right to re-instate eligibility.

It is the hope of the Association that all who participate in our karting program are here to have fun and enjoy kart racing. This is a family sport; be sure to involve fun and respect for our program and other competitors.

### **2010 Board of Directors**

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Glenwood, MN  
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## **OFFICIALS**

### **Race Director:**

The Race Director is the official having complete charge of the Program. With the permission of the Board of Directors the Race Director can disqualify any driver who, in their opinion or that of their observers, is in violation of the rules, or whose kart has become unsafe to operate. The Race Director shall conduct a meeting for all drivers prior to the start of an event to explain the rules, etc.

### **Head Flag Person:**

The Head Flag Person is the official having complete control of the karts while on the track. The Head Flag Person follows instructions from the Board of Directors. The Head Flag Person signals are to be obeyed without exception. Turn Marshals are the responsibility of the Head Flag Person.

### **Chief Scorer:**

The Chief Scorer will keep the Head Flag Person informed of positions, laps completed, etc. All kart numbers shall be of sufficient size and color to be acceptably visible for scoring purposes. Fans, family members, kart owners, crew members etc. may not approach the Chief Scorer during the running of any event. All finishing positions will be posted at the end of each race. Questions or concerns may be directed through the Head Flag Person or the Race Director only.

### **Turn Marshals:**

All Flag personnel must be at least sixteen years old. They are to report any rule infractions or safety issues to the Head Flag Person. They shall use yellow and red flags when necessary to signal drivers as to accidents, debris, fluid or other hazards on the race track.

### **Pit Steward:**

The Pit Steward is the official having charge of karts off the track. The Pit Steward shall keep all unauthorized personnel out of the pit area, assigns the pit spaces, and reports any irregularities or rule infraction to the Race Director and/or Head Flag Person.

### **Technical Inspector:**

The Technical Inspector is the official having charge of the kart inspection. The Technical Inspector shall designate an area where karts and drivers will be checked for minimum class weight, maximum kart size, body work specifications, engine legality, exhaust system legality, legal attachments of weights, fuel legality, etc. Entrants are responsible to the Technical Inspector while in the impound area and are subject to disqualification if they leave without cordoned off from persons other than the competitor.

All decisions made by track officials are final.

## **UNSPORTSMAN LIKE CONDUCT**

Unsportsmanlike conduct will not be tolerated. Anyone found to be swearing, fighting, making obscene gestures, or causing trouble, will be suspended from the facility.

1st Offense - One week suspension.

2nd Offense - Two weeks suspension.

3rd Offense - Suspension for the remainder of the season.

## **DISQUALIFICATION**

Any driver who during a race event is disqualified for an illegal motor or fuel shall lose all points and possible awards for that entire race event.

Any driver who is disqualified for a weight infraction shall lose all points and possible awards only for the race the infraction occurred.

Any driver who during a race event displays unsportsmanlike conduct will be disqualified for the entire race event.

Any driver that loses a part from their kart that is deemed a safety concern will be disqualified for the race the infraction occurred.

Any driver that receives the black flag due to causing too many cautions will receive last place points for that race. Receiving the black flag due to aggressive driving or unsportsmanlike behavior will result in losing all points and awards for that race.

### **Illegal Motor or Fuel Infraction:**

1st Offense – Loss of trophy and points for that event.

2nd Offense - Loss of trophy and points for that event and all points to date.

3rd Offense – Loss of trophy and season points and suspended for the remainder of the season.

## **CLASSES**

Listed below are the divisions that have been approved by the board for competition at the Minnewaska Go-Kart Track facility.

Age at the beginning of the season designates class. An exception to age in any class may be given with board approval.

Majority of races run in a class determines the class for the season.

Classes with less than 3 registered karts may or may not be run.

We use I.K.F. Stock Engine rules for the Briggs Flat Heads and Animal Engines, the only exception will be that Billet rods are allowed.

All Caged Animal Engines run Pump Gas.

## CAGED CLASSES



### **Rookie - ages 6-8**

Caged Kart

No Points accumulated

6 lap heats, - 8 lap feature

Engine - 5 H.P. Briggs or Stock Animal

Full Body Kit and Muffler Required

5 H.P. Briggs (I.K.F. Engine Rules)

Weight - 250 lbs.

Restrictor - .425 Purple or Blue

Fuel - Methanol, no additives allowed

or

Stock Animal (I.K.F. Engine Rules)

Weight - 280 lbs.

Restrictor - Red 3 hole animal restrictor

Fuel - 92 Octane maximum (pump gas), no additives allowed

**\* Drivers may only race Rookie class one year.**

**\* Four events will be considered a full season.**

### **Sportsman - ages 7-11**

Caged Kart

Points accumulated

6 lap heats - 8 lap feature

Engine - 5 H.P. Briggs or Stock Animal

Full Body Kit and Muffler Required

5 H.P. Briggs (I.K.F. Engine Rules)

Weight - 265 lbs.

Restrictor - .425 Purple or Blue

Fuel - Methanol, no additives allowed

or

Stock Animal (I.K.F. Engine Rules)

Weight - 295 lbs.

Restrictor - Red 3 hole animal restrictor

Fuel - 92 Octane maximum (pump gas), no additives allowed

**\* Drivers may race Sportsman Class for two years only.**

**Junior I - ages 8-12**

Caged Kart

Points accumulated

8 lap heats - 10 lap feature

Engine - 5 H.P. Briggs or Stock Animal

Full Body Kit and Muffler Required

5 H.P. Briggs (I.K.F. Engine Rules)

Weight - 275 lbs.

Restrictor - .575 Gold

Fuel - Methanol, no additives allowed

or

Stock Animal (I.K.F. Engine Rules)

Weight - 305 lbs.

Restrictor - Gold 3 hole animal restrictor

Fuel - 92 Octane maximum (pump gas), no additives allowed

**Flathead Junior II - ages 12-15**

Caged Kart

Points accumulated

8 lap heats - 10 lap feature

Weight - 300 lbs.

No restrictor required

Engine - 5 H.P. Briggs (I.K.F. Engine Rules)

Fuel - Methanol, no additives allowed

Full Body Kit and Muffler Required

**Animal Junior II - ages 10-15**

Caged Kart

Points accumulated

8 lap heats - 10 lap feature

Weight - 325 lbs.

No restrictor required

Engine - Stock Animal

Fuel - 92 Octane maximum (pump gas), no additives allowed

Full Body Kit and Muffler Required

## CAGELESS CLASSES



### **IKF Junior II - ages 10-15**

Cageless Kart

Points accumulated

8 lap heats - 10 lap feature

Weight - 300 lbs.

Restrictor - .500 Red

Engine - 5 H.P. Briggs (I.K.F. Engine Rules)

Fuel - Methanol, no additives allowed

Full Body Kit and Muffler Required

### **IKF Stock Medium - ages 13 - Adult**

Cageless Kart

Points accumulated

8 lap heats - 10 lap feature

Weight - 345 lbs.

No Restrictor Required

Engine - 5 H.P. Briggs (I.K.F. Engine Rules)

Fuel - Methanol, no additives allowed

Full Body Kit and Muffler Required

Class restrictions: You may enter this class at:

Age 13 with 4 years prior driving experience, Age 14 with 3 years prior driving experience, Age 15 with 2 years prior driving experience.

### **IKF Animal Methanol- ages 13 - Adult**

Cageless Kart

Points accumulate

8 lap heats - 10 lap feature

Weight - 355 lbs.

No restrictor required

Engine - Briggs Stock Animal (I.K.F. Engine Rules)

Fuel - Methanol, no additives allowed

Full Body Kit and Muffler Required

Class restrictions: You may enter this class at:

Age 13 with 4 years prior driving experience, Age 14 with 3 years prior driving experience, Age 15 with 2 years prior driving experience.

## RACE LENGTH

Rookie and Sportsman Classes - 6 lap heats and 8 lap feature

All Junior and Cageless Classes - 8 lap heats and 10 lap feature

## RACE LINEUPS

All drivers must draw for their first heat line-up position when they sign in. The lowest number gets inside pole position for the heat race. The second set of heat races will be inverted from the line-up of the first set of heat races. If you start last in your first heat race you will start pole in the second heat race. The features will be lined up by adding up the points from both heat races. The kart with the most points will get pole position for the feature. If there is a tie for the number of points after the heats, the kart that drew the lower number at the sign-in will get pole position.

## POINTS (point system is being evaluated and might be changed slightly)

After a kart takes a green flag, it will receive points for the last position of that race. If a kart is Black Flagged for unsportsmanlike conduct or aggressive driving, they will receive no points for that race. If a kart is Black Flagged for causing too many cautions they will receive last place points. First and Second place finishers in the B Feature may move into the back of the A Feature. The B Feature will only be run if there are more than 8 karts. This will apply to all classes except Rookies.

Finish	Heat Races	"A" Feature	"B" Feature
1	90 plus # of Karts	195 plus # of Karts	move to "A" Feature
2	85 plus # of Karts	180 plus # of Karts	move to "A" Feature
3	80 plus # of Karts	170 plus # of Karts	90 plus # of Karts
4	75 plus # of Karts	160 plus # of Karts	85 plus # of Karts
5	70 plus # of Karts	150 plus # of Karts	80 plus # of Karts
6	65 plus # of Karts	140 plus # of Karts	75 plus # of Karts
7	65 plus # of Karts	130 plus # of Karts	70 plus # of Karts
8	65 plus # of Karts	120 plus # of Karts	65 plus # of Karts
9	65 plus # of Karts	110 plus # of Karts	65 plus # of Karts
10	65 plus # of Karts	100 plus # of Karts	65 plus # of Karts

All regular race events will earn points. If you participate in all the race events we will throw out your two lowest point nights. This does not include disqualification races.

**Drivers must race a minimum of 8 races (from our 16 race schedule) to receive an End of Year Championship Trophy at the Award's Banquet.**

## **FEES**

**Weekly:** With Membership - \$15 for the Kart and Driver  
Without Membership - \$25 for the Kart and Driver

\$7 - Pit Fee per person

\$10 - Fee for an additional Kart or Class entered per event

**Annual Membership:** \$60 - Fee includes driver's meal at the Year End Banquet.  
\$30 - For additional Driver in a family. Includes driver's meal at the Year End Banquet.  
Membership fee is not to exceed \$110 per family.

**Season Special:** \$350 - Fee includes one annual membership, one driver, plus one additional pit pass at each event.

**Drivers must race a minimum of 8 races to receive an End of Year Championship Trophy at the Award's Banquet.**

## **SAFETY RULES**

The primary responsibility for the safe condition and operation of a kart rests with the owner/driver. Anybody who sees a safety problem should report it to an Official as soon as possible.

All drivers must wear the following safety equipment:

100. Helmet - All drivers must wear an official Snell 95 or better approved full face helmet. It must have a face shield or goggles, this is mandatory. Helmets must fit properly, and cannot be chipped or cracked. Helmet checks will be a part of the Pre-Tech inspection at this track.

101. Gloves - All drivers must wear gloves

102. Driving Suit - All drivers must wear a driving suit or a jacket and long pants. (No Windbreakers)

103. Shoes - Must be laced, buckled or secured as designed, and long socks must be worn.

104. Ear Plugs - The use of ear plugs by participants, drivers, and pit crew members is strongly recommended.

105. Long Hair - Long hair will be a safety Tech item. Competitors with long hair will have to demonstrate a satisfactory method for retaining their hair.

106. Neck Collars - All drivers are required to wear an approved neck collar.

**Any rule infraction may be cause for disqualification.**

## **KART SAFETY EQUIPMENT**

**All karts must have the following safety equipment:**

201. Roll Cage - The karts must have a 4 point roll cage, the main bars must be at least 1" O.D. Steel tubing, minimum .065 thickness. The roll cage must extend 4" above the driver's head with their helmet on. The roll cage cannot be constructed of conduit. An additional crossbar over the driver's head and feet is required. The width of the cage must be at least 4 inches wider than the driver's shoulders, at shoulder height. **Caged Karts Only**

202. Arm and Leg Restraints - All Rookie and Sportsman must have leg restraints. Arm restraints are required for all classes. The Tech Inspector(s) may determine whether Leg Restraints are necessary in other classes. **Caged Karts Only**

203. Seat Belts - All karts must have a two inch seat belt, and a two inch shoulder strap. They must be mounted securely and approved by the Tech Inspector(s). **Caged Karts Only**

204. Floor Pan - All karts must have a full floor pan from the seat forward.

205. Brakes - All karts must have good working brakes that will lock up both rear wheels.

206. Kill Switch - All karts must have a working kill switch within easy reach of the driver. A tie-strap on the plug wire must also be provided.

207. Chain Guard - A sturdy chain guard is required extending 1/2" beyond the chain width and have a minimum overall length of 6".

208. Gas Tanks or exhaust components - can not extend past the rear of the bumper.

209. Exhaust pipes - must have a safety washer.

210. Brake Stop Nuts - "Nylon Locking Nuts" and other such threaded fasteners with plastic inserts or collars are prohibited from use on any brake hub. (These fasteners are not made for extreme temperature operation and catastrophic failure of the braking system is possible if the locking part of this type of nut is melted away by the heat generated by disc brakes.) Acceptable alternatives are: All metal lock nuts, locking washers and double nutted.

211. Steering Mechanism - Safety inspectors and competitors are urged to inspect the kart's steering mechanism. Steering and Brake Specifications - All steering and brake assembly bolts and nuts, including spindles and king pins, must be safely wired or cotter keyed.

212. Fuel Leaks - No kart will be allowed to race with a fuel leak.

213. Seat Struts - The point where the seat strut attaches to the seat must be adequately reinforced or protected to prevent the strut from piercing the seat and causing the driver injury on impact.

214. Ballast - All weight added to meet minimum kart/driver weight requirements shall be bolted to the kart main frame. Carrying of ballast on the driver person is prohibited. No weight shall be bolted to the underside of the kart. Ballast weight in all karts must be securely bolted and cotter keyed to the kart with a minimum 5/16" through bolt. All weights shall be painted white and have the kart number painted on them. Tech inspector(s) will make thorough inspections of weight installation to confirm that they meet the bolt-in requirement. Anyone who sees or knows of illegal ballast should report it.

215. Muffler - Mufflers are required in all classes. Mufflers can not be welded to the header. Muffler and header bolts need to be safety wired.

216. Bodies - All karts must have a full body kit.

217. Wings - No Large Sprint Car type or adjustable wings allowed. Small wings for decorative purposes are allowed at the board's discretion.

### **CAGELESS KARTS**

216. Bodies - All karts must have a full body kit.

217. Helmets - All drivers racing cageless must use a Snell 95 or better helmet.

218. Seat Belts - Seat belts will **not** be allowed on cageless karts.

### **PIT SAFETY RULES**

301. Only people with pit passes will be allowed in the pits.

302. No animals in the pits unless approved by the board.

303. No drinking of alcoholic beverages during the race program.

304. No unauthorized driving in the pits.

305. Running karts in the pits: All karts must be blocked up.

306. Fuel Handling: Fuel must be kept in a sealed approved fuel container and stored in a safe place.

307. Dump fuel or oil in designated area only.

**308. Karts must be pushed to and from the staging area, no driving of karts in the pit area.**

## **TRACK SAFETY RULES**

401. No one except race officials may be on the track during a race.

402. Accidents: Any kart involved in an accident must be inspected by an official before it can continue to race.

403. Red Flag: All karts must stop when the red flag comes out. You may be asked to shut down.

404. Nobody other than the registered driver may drive a kart on the track.

405. Disqualification may occur from anything falling off a kart while on the track. Exceptions, air filters, or other soft items that would not inflict any harm.

## **CHASIS RULES**

501. Frame - Main frame members shall not be less than one inch outside diameter by ".083" wall thickness, cold roll steel tubing or other material of equal strength. No carbon fiber will be allowed as an integral part of the kart chassis. Clarification: integral part of the chassis shall not include floor pans, seats, body work, or clutch and engine components.

502. Maximum Overall Length 74 inches

503. Maximum overall Width 50 inches.

504. Minimum Overall Width 28 inches, measured from the center line right tire to center line of the left tire.

505. Wheel Base - Maximum 50 inches, minimum 40 inches, as measured from the axle wheel centers.

506. Nerf Bar - A sturdy nerf bar is required in front of the rear wheels, on each side of the kart. Corners must be round with no sharp edges.

507. Bumpers see diagram on Rear Bumper Specs.

508. Wheels - Shall be void of defects, must have four wheels, only wheels of 5 and 6 inches will be allowed to compete.

509. Suspension - No active suspensions.

510. Floor Pans - See rule #204.

511. Seat Struts - The point where the seat strut attaches to the seat must be adequately reinforced or protected to prevent the strut from piercing the seat and causing the driver injury on impact. See rule #213.

512. Throttle - Kart shall be equipped with foot operated throttle incorporating a return spring which closes the throttle when pedal is released. The foot operation requirement may be waived for physically challenged drivers.

513. Brakes - Kart shall be equipped with foot operated brakes that will lock up both rear wheels. The foot operation requirement may be waived for physically challenged drivers.

514. Tires - We allow only slicks. Any brand of tire is allowed but they must be slicks.

515. Wolf Plate – Kart shall be equipped with a protection plate over disk brake rotor.

516. Muffler – All karts are required to have a muffler. Mufflers can not be welded to the header. Muffler and header bolts need to be safety wired.

## **RACING RULES**

601. The Race Director and Head Flag Person are in control of the race program. No one may confront the Flag Person, or Race Director until a race or the program is complete.

602. All Karts must be lined up in the staging area for their race before their race pulls onto the track. Any kart having mechanical problems between line-up and the green flag has 2 minutes to get their original line-up position.

603. All karts stopping during the race with mechanical problems, will get a yellow flag and have 2 minutes to get to the back of the pack.

604. If a kart is involved in an accident, that the Head Flag Person determines was not at fault, they will be given 2 minutes to repair it, and retain their position. The Kart must leave the track if not repairable in the 2 minute time period.

605. Any kart causing a restart will be sent to the rear.

606. Any kart causing 2 resarts during a race will be sent to the pits from that race, unless the head flagperson overrides.

607. When the yellow flag comes out during a race, karts may be asked to stop between turns 2 and 3 to be lined up. Any kart needing to be restarted may do so with out penalty. See rule number 604. Karts may be started only, no repairs or tuning.

608. All karts must stop when the red flag is out, and may be asked to shut down. Owner or a Pit Crew member may come on the track for restarts only. No mechanical repairs may be performed during a red flag.

609. No karts will race with a fuel leak.

## **TRACK RULES**

701. Tech Inspector may tech a kart anytime and in any manner at his/her discretion.

702. Top two or more karts out of every A Feature race, will be teched.

703. All karts must pack the track or they do not race. A race official will determine if the reason for not packing is legitimate.

704. An engine may be protested upon the deposit of \$50 (\$50 cash only). The protester must be a driver or kart owner of a kart in the same class and have raced that event. The protester must contact a Board Member or Tech Inspector. If no discrepancies are found the \$40 is forfeited to the kart owner being protested and \$10 given to the track for performing the inspection. If the protest is upheld, \$50 will be returned to the protester. Only the Tech personnel and one person for the protester and one person for the protestee may enter the tech area during the tear down and inspection process. (If you are protesting another motor, you must tell the scale person BEFORE you leave the scale after the race event.)

705. Any kart protested or selected for tear down will not leave the pit area until instructed to leave. If the kart does leave, the penalty will be the same as an upheld protest.

706. The track will be closed at all times. Any kart caught on the track other than packing, hot lapping or racing, will be banned from racing for 2 consecutive racing dates.

707. All karts must scale after each race. Failing to scale, or the kart being under weight will result in loss of points for that race.

708. The result of denying a tear down will be the same as an engine rule infraction.

## REAR BUMPER SPECS

"A") 6" Minimum – Measured Outside

"B") 4" Maximum From Ground Level

"C")  $\frac{3}{4}$ " Minimum Diameter Round

"D") No wider than the outside width of rear tires (Minimum to center of tire)

