

2025 BRMP Karting Speedway Racing Rules

*****We reserve the right to add, change, delete or update rules at any time without prior notice*****

- 2025 NKA Rules will apply for ALL karts unless otherwise stated in individual rules within this rulebook. **BE SURE TO READ ALL THE RULES FOR YOUR CLASS(ES)! Wing karts** will follow NKA 2024 rules.
- The Race Director and/or other track personnel reserve the right to refuse any entry with/without explanation.
- Anyone who draws after cutoff will start in the back for their heat race(s).
- A driver's competition age is determined by the age that they will be on December 31 of that year. For example, A driver is 9, but will turn 10 in November. As their age on December 31 will be 10, that driver is considered to be 10 for that year but can take advantage of the "Option Year". Option year is designed to give the rookie and junior drivers flexibility during transition years by allowing them to either stay in the current level class or move to the next class level. BRMP Karting Speedway personnel retains the right to make the final determination. **The absolute minimum age is 5. The driver must have had their 5th birthday before being able to race.**
- Drivers can run any classes that their age falls into. Example: if the driver is 15 they can run Jr 2 and adult classes except otherwise stated. Rookie cage and Rbox are the exceptions to this rule, once you move up to the next class you can't go back.
- **Pit Passes: Only Those persons having signed a waiver of liability and with a Pit Pass shall be allowed in pit areas.**
- **Areas that are directly involved in the continuous operation of the event (Scoring area, racetrack, etc.) are restricted to anyone except for the staff.**

- **Any person entering the Pits (or any restricted area) shall be sober and not under the influence of any substance that may impair their ability to participate in a safe and orderly manner for the duration of the event. Drivers are prohibited from being under the influence of alcohol or any controlled substance. Authorities will be called if it is determined that any participant has operated a kart impaired.**
- Any driver shall be required to prove his/her age via one or more legal documents such as birth certificate, driver's license, passport, etc. if requested, or if the class they intend to compete has an age requirement.
- **Each race there will be a drivers meeting.** All drivers and pit crew are required to attend for the discussion of the event. Failure to attend this meeting does not remove the responsibility of the driver to know the rules and standards.
- **Make sure your driver(s) know all the flags and what they mean!** Also make sure they know where they should be entering and exiting the track.
- All classes will require muffler (NO Exception)
- **All rulings on and off the race surface by track officials will be final.**
- **Any karts caught or reported to be speeding coming off or around the pits may be fined (Spot/Points/Monetary at race directors' discretion) for first offense or suspension for any offense after.**
- No driving on and off the scales
- Any fighting on the track or anywhere on the grounds will result in immediate removal from the event and the property. Suspensions to driver and anyone involved may be applied.
- BRMP Karting Speedway will not tolerate anyone (Including parents or other competitors) yelling at any drivers in any class.
- All classes are subject to change based on kart counts etc, any class that does not average minimum of 5 karts may be removed from our schedule at our discretion.
- All karts are subject to safety approval by our Race Director and/ or track personnel; any kart not up to safety standards will not be allowed to compete.

- DO NOT ENTER THE RACE SURFACE OR ENTRY/EXIT RAMPS DURING ANY RACE UNLESS YOU ARE THE DRIVER AT YOUR SCHEDULED TIME (OR ARE TRACK PERSONNEL) DUE TO INSURANCE, NO ONE IS ALLOWED ON THE RACE SURFACE. This will be a ZERO TOLERANCE policy. Parents/ Pit Crew may be directed onto the race surface in certain circumstances (i.e., restarting a motor, safety situation and will be called upon to do so once the track is cleared and Race Director deems it safe).
- We will follow the 2 caution rule. After your first caution you will be sent to the back of the pack. If there are 2+ karts involved and track officials cannot determine who is at fault, both karts will go to the back. After your second caution, you will be asked to exit the track.

Safety

- **YOU ARE RESPONSIBLE FOR THE SAFETY OF YOU AND YOUR KART.**
- Brakes must be in good working order at all times.
- **Cockpit kill switches are recommended in all classes!** Karts must also have a 6" nylon tie attached to the spark plug wire.
- Aluminum high back seats are mandatory in all cage classes! Containment seats are highly recommended. The top of the seat should be at the middle of the driver's head.
- All wing karts must be equipped with at least a 5-point harness to restrict body movement. Karts are subject to inspection and are at the discretion of track officials on whether or not it is safe enough to compete.
- Approved neck braces or neck restraints are mandatory.
- Helmets must be 2015 SNELL approved or newer, and must fit the drivers head correctly. BRMP Karting Speedway officials have the right to determine if a driver's helmet is safe enough for competition.
- Racing suits are highly recommended. No shorts or cut off pants allowed.

- Roll Cage must be securely fastened at 4 locations with at least grade 5 bolts.
- Driver's body must be completely inside the roll cage and have at least 2 inches clearance above the driver's head. Knee Knockers or padding around the steering column is recommended.
- Chain Guards, designed to protect the driver in the event of a chain failure are mandatory.
- Helmets and all safety gear must be worn during engine warm ups at all times. Safety is our number 1 concern. So please make it your number 1 concern as well. Be Smart!!
- All wing classes must utilize a sprint car style rear bumper. No square flat kart style bumpers allowed. Must extend back a minimum of 7" from the end of frame rail. (Bumper design must be approved by track management).

Scoring Rules:

- Do not enter the Scoring Area unless the Race Director is present, and politely ask to speak to the Race Director outside of the Score Area. Do not approach any scorer during a race, if there are scoring issues (line ups, etc.) please go to the grid and communicate any issues to be relayed to scoring personnel.
- Review Line Ups when it is announced that they are posted! Any changes in the line ups will be announced. Check the line ups before/at the pit meeting, if there are any discrepancies, please immediately go to the Scorers to fix it.. Line ups are posted on the MyRacePass app under “BRMP Karting Speedway” & paper copies are posted in the grid.
- The official race scoring, whether by electronic system or hand scoring, is the only “Official” source of race scoring. The official scoring is the information supplied by the official scorer(s). Any information provided to the public through real-time scoring programs such as the MyRacePass, is not official and the information it displays cannot be used to protest or question the official scoring of an event.
- To be scored, a kart must be under its own power.
- Time limits: each race length in minutes is equal to the number of laps assigned to that race. For example, if a race is 10 laps, the time limit is 10 minutes. Scorers will inform the flagman when time expires. We will continue the race until the next flag (yellow, red, or checkered) at which time the race will be called. Any remaining uncompleted laps will not be made up. The only exception to this rule shall be when the red flag/red light is displayed, timers are paused during this time. If there is a caution, timers continue without pause.

- In the event of a tie for Championship Points, tiebreakers will be determined by what is stated on MyRacePass (after points are announced finalized for the season).
- In the event of a tie during a race, tiebreaker will be determined by the pill draw.
- In the event that a driver is unable to start a feature due to kart issues **after completing their heat race(s)**, they may still receive last place points for that event. This will be up to the race director to decide. If you don't start the feature due to being disqualified for fighting, black flagged on the track, etc, this will result in zero points for the event.
- In the event of a scratched entry on a rolling start race, that space shall be filled on track by each row moving forward directly. During standing starts the open space will be filled by crossing over.
- A race will be considered complete at the moment the checkered flag is displayed on course and each kart that is capable of operating on its own power has had reasonable time and opportunity to cross the finish line as determined by the Race Director and/or Flagman.
- Every effort will be made to complete an event under green flag conditions, with scoring based on the order that the karts pass the start/finish line from the lead kart and down the order with any lapped karts accounted for. The Race Director may, in the case of a yellow or red flag or time limit reached, declare the race complete, the finishing order is determined by the last lap completed in that situation.
- Participants shall not protest the determination of race completion.

Race Structures (May be changed/alterd at any time)

B Features (rare occurrence) may be required due to kart counts in class, each class has a maximum number of karts that may safely be on the racetrack at a time and will be discussed by the Race Director as needed.

2 Rounds of Heats, starting Positions for each round are inverted, finishing points to determine starting position in "A" Feature (B features may apply). Note: "Pill" is another term for "draw".

OR

1 Round of Heats (w/ Passing points) to determine starting position in "A" Feature (B features may apply)

Heat Races – Each participant receives finishing position points, plus 1.5 points for each position gained at the conclusion of the race (does not include each pass made during the race, only positions gained at the conclusion). For example, if the participant started the race in the 7th position, and completed the race in the 3rd position, they shall receive:

8 points (for the 3rd place finish position),
+ 6 points (1.5 points for 4 positions gained)
14 points (total)

The "A" feature line up is calculated from highest to lowest points calculated from heat race.

Round 1 Heats - High Pill to Low pill

Round 2 Heats - Low Pill to High Pill

Finish position points are added together from both rounds for each driver to determine starting position in Feature race(s).

Highest finishing position points to lowest determine the starting order.

There are no passing points in inverted heats.

In the event of a tie order will be determined by lowest pill draw for heat races.

BRMP Karting Speedway Rules - 2025

Please read through the rules below and know your class rules and requirements.

BRMP Karting Speedway Rookie Cage

Ages 5-6 ONLY (must be past 5th birthday to be able to race.)

This is a learning class only/controlled speed class - If you want to race in a competitive class, this class is not for you!

#250 min weight Predator

- **Harbor Freight Predator Hemi engines only, NO DUCAR OR Box Stock Project Predator 212cc engines allowed.**
- **6.5HP Harbor freight Hemi Predator as supplied by manufacturer.**
- **Factory unaltered muffler only**
- **Stock fuel tank must be used and unaltered other than fuel fill cap (see below)**
- **All fuel line connections must be secured by clamps or similar.**
- **Governor MUST be complete and functional, including the governor set screw / No MAXIMUM RPM CHECK in 2025. Governor must fully surge at some point if checked. Stock air filter, stock muffler, and factory supplied spark plug must be used and unaltered. Stock main and low speed jets only. NO GO 0.031 main and 0.018 low speed jet. Low oil sensor must remain in engine but may be disconnected. Red 0.375 NO GO unaltered ARC or Speed karts restrictor plate MUST be used. One intake gasket on each side of restrictor plate MUST be used.**
- **Fuel cap may be drilled for ventilation / Max of three holes 0.125 max hole sizes.**

- Vent hose from fuel tank to air box may be disconnected but must be plugged and visible.
- NO other alterations to predator engine are allowed /will be compared to known stock.
- BRMP Karting Speedway or any other competitor may claim this engine for \$175.00 as raced minus throttle linkage, chain guard, and clutch. (Predator engine only)
- BRMP Karting Speedway may at any time exchange engines with a new engine, if the engine is found to be legal it will be returned to competitor the following event and the new engine returned to BRMP Karting Speedway. If found illegal competitor will be suspended for track for one month or two race events.
- 12 clutch driver only! / Open clutch / Any disc or drum clutch may be used / NO wet clutches allowed, 70T rear sprocket only, 35 pitch chain only.
- Any slick tire or hoosier treaded may be used, no grooved tires in this class, max outside diameter 35" RR tire, maximum air pressure in right rear tire is 10 PSI.

BRMP Karting Speedway R Box/Pro R Box

Ages 6-9

Min weight #285

Body Rules:

- No body side enclosures will be allowed anywhere (on the cage or chassis), right side / Left side / front or back of cage (safety issues), nerf bars may be covered but covering may not be attached to frame, nose cover, or roll cage. Must be attached to nerf bar only. Driver must have vision 360 degrees from driver seat and must be able to exit from LH side or RH side if needed.

- Hood or any part of the front nose of kart may not extend to the rear of the kart behind the vertical front down tubes of the cage more than 3". +/- 1".
No sharp edges
- **2024 Box stock wing rules will be enforced! (R Box / BP Jr Wing / Intermediate and Pro classes) Center panel 36" long x 32" wide, Right-side panel 40" long x 14" wide, Left panel 40" Long x 20" wide. All dimensions are +/- 3", No air deflecting metal or plastic/Lexan material may not be added to the wing. No sharp edges**
- **No cockpit adjustable wing sliders allowed electric or manual. No cage mounted shocks or dampening devices allowed without approval from race director prior to the event. Bungy cords are allowed.**
- **Open dry clutches only / drum or disc / No jackshafts allowed.**
- Engine rules 2024 NKA box stock rules will apply.
- • Clone 196cc ONLY
- ARC or Speed Karts 0.425 NO GO Green unaltered Restrictor plate only.
 - **** Exceptions to NKA rules for R-BOX class engines****
- Big pipe w/ 4104 muffler required. No loop pipes, Header pipe and muffler must meet 2024 NKA rules for Adult Box Stock classes, must be inside the roll cage and must exit towards the rear of the kart or must be approved prior to event by tech inspector or race director.
- Electric starter nut MAY BE used.
- Box Stock cast rod or Billet rod allowed; NO Titanium rods allowed. ▪
Hoosier treaded tires only - Grooved tires only must run D50 compound on RR only, other three corners are optional.

BRMP Karting Speedway
Jr Wing (Jr BP Wing)/PRO Jr Wing (PRO Jr BP Wing)
Ages 9-12

Min weight: 315lbs.

Open dry clutch only, NO jackshafts

Once the driver moves up from R Box, they cannot return to R Box, Driver

May not compete in both classes.

CEDAR LAKE ARENA Builder Prepared (BP) clone rules apply - NO PORTING allowed.

- BP clone engine rules at bottom of page
- Animal engine 2018 IKF / 2024 NKA rules, Gasoline only, .255 running lift maximum at retainer, No duration checks, (Animal engines only) compression release cam NOT required if using electric starter only, compression lease cam must be used if using recoil starter, factory cast cam cores only. max main jet size .038, pilot jet .014 No go, no porting allowed, Electric start nut may be used in place of recoil starter on both engine packages.
- Pump gas only 87-91 octane only, NO race gas or oxygenated fuel will be allowed. i.e., VP/Turbo Blue etc. for both animal and BP clone engine packages
- **Hoosier treaded tires only** - Grooved tires only must run D50 compound on RR only, other three corners are optional.
- No body side enclosures will be allowed anywhere (on the cage or chassis), right side / Left side / front or back of cage (safety issues), nerf bars may be covered but covering may not be attached to frame, nose cover, or roll cage. Must be attached to nerf bar only. Driver must have vision 360 degrees from driver seat and must be able to exit from LH side or RH side if needed.

- Hood or any part of the front nose of kart may not extend to the rear of the kart behind the vertical front down tubes of the cage more than 3". +/- 1" No sharp edges
- **2024 Box stock wing rules will be enforced! (R Box / BP Jr Wing/Intermediate and Pro classes) Center panel 36" long x 32" wide, Right-side panel 40" long x 14" wide, Left panel 40" Long x 20" wide. All dimensions are +/- 3", No air deflecting metal or plastic/Lexan material may not be added to the wing. No sharp edges**
- **No cockpit adjustable wing sliders allowed electric or manual.**
- **No cage mounted shocks or dampening devices allowed without approval from race director prior to the event. Bungy cords are allowed.**

BRMP Karting Speedway Clone Engine Rules

6.5 OHV engines only / Spec GAS only / Approved engines: 6.5 -196CC clone engines ONLY. NO Kohlar, NO Honda, NO Predators

The Box stock Tillotson engine will be allowed the 68MM reinforced Tillotson block will be allowed in this class, will be teched the same as any other 196CC clone block.

Description: Single cylinder, 2 valve overhead 4cycle engine. Aftermarket coatings of any type are not permitted on any part of the engine other than the rocker cover, blower housing, and shrouds. Unless noted within these rules. Figure guard, rear block tin, blower cover, recoil or blower fan cover are all required.

Cylinder head:

Must be OEM casting only. All cylinder heads must be of the "JT" 4 bolt valve cover design. To include the Tillotson JT-207-cylinder head. The TG-1 Cylinder head will also be allowed. PORTING of the cylinder head is NOT permitted; this includes the valve guides in the port they may not be altered in any way. Port MUST be "as cast." Valve seats may have up to three angles, 45-degree face, 30-degree top relief, 60-degree bottom relief. Cutting of the valve seats allowed to insure proper seal. Intake seat maximum ID .897, Exhaust seat maximum ID .862, Outside face of valve may not below the floor of the combustion chamber.

(Cannot sink the valves). Stock type head bolts must be used (four), head bolt washers allowed, Head gaskets may be aftermarket, must be of stock type configuration, NO head studs allowed! No copper or aluminum head gaskets allowed. No predator head gaskets allowed. Gasket thickness is Non-Tech. Sealer "May Be" used to ensure proper seal of the head gasket, more than one head gasket may be used to meet minimum cc rule. Depth between the valves front to back may not vary more than .005 max. Any stock configuration exhaust gasket may be used, sealer permitted. Header may also be run without gasket; sealer may be used rather than a gasket. Allen head bolts or other bolts of similar design allowed to secure header to cylinder head.

Breather hole in rocker cover may be tapped with $\frac{1}{4}$ " pipe tap to accommodate breather fittings, no oversize drilling allowed. Factory stock internal pulse valve must be installed and operational in rocker cover. Rocker covers may be drilled and tapped for pulse fitting to fuel pump.

Bore and stroke: Stock bore is 2.685 and may be over bored to 2.718 Stroke is 2.123 +0.010/-0.005.

Connecting rod: MUST use billet rod, may or may not have insert. No Titanium rods. Rod length is non tech.

Combustion Camber volume: 25CC Minimum. With piston at TDC using prescribed procedure (NKA). The liquid procedure is the official check. It may be checked only Once. Engine should be at room temperature with valves closed / rocker arms removed from valves.

Carburetor / Intake requirements: Stock Huayi, stock RUXING, or Stock Tillotson PK1A only. Ventruri .625 NO GO, Rear of carb bore .751 NO GO. Carb bore and finish is NON-TECH. Throttle shaft .115 Minimum, Butterfly .037 Minimum, Butterfly, and throttle shaft must be stock and unaltered. Throttle shaft screw lock washer not required; throttle shaft screw length is non tech. Throttle shaft / butterfly retaining screw is required but non tech for head type. Air filter adapter of 1.375 maximum length is allowed. Gasket between adapter and carb body is required. No tech on thickness of gasket. Pulse type fuel pump is required, pump must be pulsed from rocker cover or crankcase ONLY. No fuel bypass allowed. Fuel line must go directly from pump to carb inlet. Must be of a single line. Fuel filter may be installed between fuel pump and carburetor if desired. All fuel lines must be secured by using wire or plastic tie wrap. Any fuel line not secured will not be allowed to compete. This is a tech item! May be teched at any time during the race event or in tech after the race event. Failure to

secure fuel lines will result in DQ. Black phenolic spacer must be used, minimum thickness .255, surface finish of bore and gasket surface is non tech. Choke assembly may be removed, hole for choke shaft must be plugged. Jets, air bleeds jets, and e-tube are Non tech. Stock intake runner gasket configuration only. One extra gasket must be used when using restrictor plate. No other alterations allowed. No additional holes may be drilled in carburetor body or phenolic spacer with the intent to change fuel or air delivery.

Ignition system: Ignition timing is Non tech. Stock ignition module (coil) must be used. Unaltered. No modifications allowed of any type. Stock factory sparkplug boot must be used as from factory. Timing key is not required.

- **Kill switch within drivers reach from seat while strapped in is recommended but not required in 2025!**

Piston: Must be stock dished piston with no modifications. Oversized clone or Honda dished pistons allowed up to .035 oversize. Rings must appear stock, all three rings must be installed. Piston may not pop out above block. NO piston pop out. Top of piston may not be machined or altered.

Valve train: Stock valve train only in stock configuration except: Any single valve spring and spring shims allowed. No installed height check. Any 5.5mm stem steel or stainless-steel valve may be used. Intake valve head max diameter OD is .982 +/- .005, exhaust valve head maximum OD is .945 +/- .005, Valves must be one angle only, 45 degree, no knife edging of the valves, must have a minimum of 1mm top margin. Valve length is non tech. No additional support of rocker arms / studs is permitted. Champion rocker arms and valve cover are permitted but may not be modified in any way.

Stock type valve retainers with lash cap on exhaust side only or automotive type retainers with two valve keepers per valve may be used. Lash caps not required but may be used with automotive type retainer and keepers. No minimum weight check on valves, retainers, or lash caps. NO TITANIUM valve train parts allowed. i.e., valves, retainers, keepers, or lash caps.

Camshaft requirements: Stock / factory camshaft cores only, EZ spin must remain functional and as stock. Duration check for intake and exhaust lobe taken off the push rod. Intake duration of 248 degrees at .050 lift/107 degrees at .200 lift, exhaust duration 247 degrees at .050 lift, 116 degrees at .200 lift. Max lift at the valve retainers (as raced) Intake .238, exhaust .242. Retainer may not be rotated.

Crankshaft requirements: Stock factory crankshafts only. Must have stock factory crank gear installed in stock location. May Not be welded to crank shaft. No modifications to crankshaft allowed. Aftermarket steel crankshaft bearings allowed. Must be of the non-self-aligning type. With or without seal installed. NO Ceramic bearings allowed. Crankshaft journal diameter is 1.180-1.168 Min. Journal rod surface finish is NON tech.

Block requirements: Stock as cast block and produced with no modifications or alterations other than those specifically permitted in these rules. Block head matting surface may be machined; however, no piston pop out is allowed. Block **may be** welded or epoxied for repairs only. Under the flywheel or the front of the block only, no welding to the cylinder head matting surface is allowed. All bolt bosses in block may be drilled and tapped for repairs or other uses, Additional side cover gaskets as required for crankshaft thrust are permitted. All parts associated with the governor and low oil sensor may be removed and plugged. Side cover bolts are non tech. No studs and nuts allowed on the side cover. Solid dowel pins are allowed but must be of the OE size.

Flywheel: Any Legal 2024 NKA/ SFI approved billet flywheel manufactured for the 196cc Clone engine only is allowed. No machining or alterations allowed. Minimum weight is 3.3lbs. Any timing key or no key at all is allowed. A flat washer or spacer may be used and is recommended between the flywheel nut and flywheel. Handheld electric starter may be used but the compression release mechanism must remain on the camshaft and functional.

If flywheel is manufactured with a removable fan the fan must be unaltered attached, and functional. Missing or damaged fins may result in a DQ in tech.

Header and muffler requirements: Silencer (muffler) must be (B91XL) round hole muffler. Muffler must be unaltered and must meet tech spec for stock class clone. Exhaust pipe / Header must be double nutted or retaining bolts must be drilled and safety wired. Header must be supported by a minimum of one support brace. No loop pipes allowed. Header may be ceramic coated but must meet all requirements for 2024 NKA big pipe headers in the Box Stock adult clone rules. Muffler may not be welded to header pipe, muffler may not be painted or coated, Muffler does not need to be safety wired, muffler must be tight to header at post-race inspection.

All readings +/- 0.0005 or 2 degrees to allow for gauge variances and wear.

BRMP Karting Speedway Intermediate Wing Open Clone

Ages 12 & up - May run both BP and Intermediate classes if meet age requirements for 2025.

Min weight: 350 lbs

Fuel type: Gasoline or methanol only (no exotic fuels or additives allowed)

6.5 OHV – Approved Engines. 196cc Clone only.

No Kohlar, No Honda, No Predators allowed.

Engine spec sheet for Open Intermediate Clone class

- Description: Single cylinder, 2 valve overhead 4 cycle engines. No aftermarket coatings allowed or permitted on any part of the engine unless otherwise noted in these rules. (Header, blower housing, rocker cover, and shrouds are permitted). Cylinder head requirements: Must be OEM casting only. Any Clone JT casting, Tillotson JT-207, or TG-1 head will be allowed. Must be of the four-bolt valve cover type only. Intake valve seat maximum ID 0.897, Exhaust seat maximum ID 0.862.
- Bore and stroke: Stock borer is 2.685 and may be over bored to 2.718, Stroke is 2.123" +0.010" or -0.005
- Connecting rod: Billet aluminum rods, with or without bearing inserts Required. No titanium rods allowed. Rod length is non tech.
- Carburetor Stock appearing 196cc Clone carbs only. No Honda carbs allowed. Huayi, Ruxing, or Tillotson PK series carburetors only. Internal filler of any type not allowed anywhere in Carburetor.
- Ignition system: Ignition timing is non tech. Stock 196cc ignition module / coil only. No modifications of any type allowed. Spark plug wire and boot / spark plug connector must be stock as supplied by factory.

- Piston requirements: Piston is allowed up to .035 oversize.
- Valve train: Intake valve head max OD. .982 +/- .005, Exhaust valve head max OD. .945 +/- .005
- Crankshaft requirements: Stock factory 196cc crankshafts only with stock timing gear in factory location.
- Block requirements: Stock 168F clone type block. Bracing / welding is allowed. No billet blocks, No Honda blocks, No Kohler blocks. 68MM Tillotson blocks are allowed.
- Flywheel: Any SFI certified billet aluminum flywheel only. May NOT be modified or altered.
- Clutches: Disc or drum only allowed.
- Header and muffler Requirements: Silencer / muffler must be B91XL round hole or RLV -4106. Exhaust pipe / header must be double nutted, or safety wired. Header / silencer must be supported by clamped on brace to secure it in place. No loop pipes are allowed.
- +/- 0.005 or 2 degrees on all measurements to allow for gauge variances and wear (All wing classes)

Tires

- **Hoosier treaded tires only** on all four corners of kart. D50 or D55 must be used on right rear. Other corners are optional. RR must durometer minimum of 50 Prior to race

Wing

- Same as wing classes at CEDAR LAKE ARENA/ Rice Lake Speed Pit
- Center panel 36" long 32" wide ... Right side panel 40" long x 14" wide ... Left panel 40" long x 20" wide (NO SHARP EDGES)
- All dimensions are +/- 3" No cockpit adjustable wing sliders electric or manual

BRMP Karting Speedway 125/250 Wing Kart class

Read through carefully!

- Tires **must be Hoosier treaded kart tires** and approved by series officials. Not to exceed 6" diameter.
- Cages are mandatory and must be for the protection of the driver.
- Bodies can be any material except wood. No sharp edges or protruding parts
- All karts must have a wing, hood, and a tail.
- No bars may extend out past the outer edge of the tire except nerf bars.
- All karts must have numbers on both sides of the wing and must be legible from the scoring tower or they will not be scored.
- Duplicate numbers must have a letter. The letter must be legible.
- No Front Wings allowed.
- Traction Control Devices & Ratcheting Hubs are not permitted, during ANY event, in ANY class at ANY time, Hubs must be securely fastened to axle with key in place at all times! Must be a live rear axle.
- Axles cannot be made out of any exotic materials. No Carbon or Titanium.

125/250 Wing Kart Rules:

Class Age 11-up (No younger drivers unless approved by BRMP Karting Speedway)

Min. Weight with 125 engine is 375lbs.

There are 3 Engine Options for this class:

ENGINE RULES IF RACING 125 Engine in 125/250 Class:

- Single cylinder, 2-stroke dirt bike engine - (145cc maximum cylinder displacement)
- Must have factory stock stroke and rod length as per manufacturer engine specifications for the year and model of your engine
- Must have complete working clutch, no slipper clutches
- Pump gas only (No Methanol)
- No Nitrous Oxide

- Single fuel pump or safely mounted gravity fuel tank
- Single carburetor only
- 125 and 250 Wing Kart classes will only be allowed to run one Radiator (std CR racing size and cap.) and standard 3/4" hose directly from engine to radiator, no extra cooling hoses, tanks, etc...!!!!
- No Rotary engines

ENGINE RULES IF RACING 2 cycle 250 Engine in 125/250 Class:

- Min. Weight with any 250 is 430#
- Single cylinder (2-cycle, gas only)
- Stock Stroke and rod length as per manufacturer year, model and engine specification
- No aftermarket stroker kits.
- Maximum cylinder displacement: 265cc
- Must have complete working clutch, no slipper clutches.
- Single carburetor only
- Single cylinder (gas only).

ENGINE RULES IF RACING 250 (4 stroke) in 125/250 Class:

- Min. Weight with any 250 is 430#
- Single cylinder only Stock Bore & Stroke as per manufacturer year, model and engine specifications.
- Single Carb only. Must have complete working clutch, no slipper clutches.
- 125/250 and 500 Wing Kart classes will only be allowed to run one Radiator (std CR racing size and cap.) and standard 3/4" hose directly from engine to radiator, no extra cooling hoses, tanks, etc...!!!!
- No Nitrous Oxide. Min.

TIRES & WHEELS:

- 5" or 6" rims. Bead lock wheels are allowed. Hoosier 50 min treaded tire is Mandatory on the right rear of all Winged Outlaw karts. (Must highlight RR 50 tire stamp with white paint or white paint pen for easy visibility to officials) **All Outlaw wing karts must run all 4 Hoosier**

Treaded tires and may also groove or sipe any of their tires. (No grooved slick tires)

- Tire Softener/Prep or Hot Box use is NOT ALLOWED!
- Right Side Sail Panels will be allowed ONLY in the 125/250 Outlaw karts. Panel must not extend more than 3” beyond the cage. Panel should not block the driver's vision.

125/250 Wing Panels (may not exceed the following dimensions)

- Right Side wing panel may not exceed 48” long or 20” tall at any point
- Left Side wing panel may not exceed 48” long or 28” tall at any point
- Center Section may not exceed 41” wide at any point

BRMP Karting Speedway Junior 1

Ages 7-11

- Clone engine rules **270lb Minimum Weight**
.425 ARC Green plate
NKA Rules Apply
Small Pipe, Open Clutch, 87-91 pump gas
- Animal Engine rules **280lb Minimum Weight**
IKF/WKA/NKA engine rules, (declare in tech),
.250 APS Black 3 HOLE plate
Methanol Fuel, Open Clutch

TIRE RULE

- **HOOSIER TREADED ONLY**

BRMP Karting Speedway Junior 2-3

Age 12-15 Years old

For Engine rules refer to the current NKA & IKF Rule Book with the following exceptions:

- **Clone Engine Rules #320 minimum weight**
NKA Engine Rules, pump gas 87-91
Small pipe, .550 Blue plate, open dry clutch
- **Animal Engine Rules #330 min weight**
IKF/WKA/NKA engine rules apply (declare in tech)
.312 Gold 3 Hole APS plate ONLY
Methanol Fuel

TIRE RULE

- **HOOSIER TREADED ONLY**

We use the same rules as Rice Lake Speed Pit Kart Track with a combination of Cedar Lake Arena rules along with Thunder Hill Speedway, both in Wisconsin with the exception of **HOOSIER TREADED TIRES ONLY.**

BRMP Karting Speedway Sportsman LO206

Ages: 13+

Weight: 375lb Min Post race Kart and Driver

Tires:

- **Hoosier Treaded Tires ONLY** (NO Slick Tires allowed)
- Left Side 11x5.5x6 D30 Compound Minimum Durometer – 45 (35.5” Max Tire Size on LR)
- Right Side 12x9x6 D50 Compound Minimum Durometer – 50 (38” Min tires size on RR)
- Maximum Wheel width on any corner is 10.75 inches
- Minimum Wheel width on any corner is 6 inches
- LR tire MAX size is 35.5” (1/4” leeway will be given)
- RR tire MIN size is 38” (1/4” leeway will be given)
- The tire must meet 37.75” in circumference in all 3 center rows/blocks of tread.
- Tires must be dry when brought to the hot grid! It is up to driver and team to maintain tires. NO TIRE PREP OR HOT BOX OR HEATING of tires allowed.
- If a foreign chemical is found in the lab testing a driver will be fined and suspended as follows. Tire Samples may be taken at any time during a race night
- You may groove, sipe and/or grind tires
- You must paint tire stamps/tire numbers with white paint pen for easy visibility to officials.

Engine:

- Briggs Animal LO206 Engine ONLY!
- 2020 Briggs LO206 engine rules apply, 6100 rev limiter, short slide, Spec pipe (RLV 5506 or RLV 5507) only and muffler required for this class
- Any Factory sealed Briggs LO206 Short Bock will be allowed, must meet all Briggs Tech rules other than the new Briggs Seals.
- RT-1 Spec Cylinder head only
- Autolite AR3910X Spark Plug REQUIRED
- May use any NKA legal Air filter

- Gasoline only, no additives, no ethanol blended fuel 89-92 octane only
- Briggs Animal LO206 Intake Centerline must be between 105 and 107 to be legal. No allowance of 2 degrees from those numbers. (No twisting of the cam) Anyone found illegal will be banned from competition in this class and fined \$500!

#35 Chain only! No 219 Chain allowed

Steel Axle only

Chain Guards: Must have aluminum, steel or equivalent material chain guard by clutch and then extend chain guard with safe material to protect drivers arm. Must be secured properly to protect driver from broken chain.

BRMP Karting Speedway Jr Predator / Adult Predator (aka Backyard Adult)

Jr Class / 212 Predator:

Ages 7-14; 320 lb. minimum weight

APS or Speed karts purple plate 0.500 NO GO (2 gaskets required when using a plate, one on each side of the plate)

Adult Class / 212cc Predator (NO GHOST MOTORS)

Ages 15-up Unrestricted; 360lb. minimum weight

- Jr. and Adult: Hoosier treaded tires only.
- Harbor Freight 212 Hemi engine only (PN 60363 ONLY) in both Jr & Adult classes

*** Recommended for the new racers looking to try the sport of Speedway Kart Racing. We are hoping to make this a fun affordable class to allow competitive and fun racing at an affordable cost.**

- Karts must follow NKA chassis rules for 2025 / Including the body rules.
- **Hoosier Treaded tires only. No Slicks allowed, tire must show treads at start of race event, may not use slick tire, and try to groove it. Must be OE Hoosier grooved tire, tire may be regrooved.**
- Must have a nose on the kart that cover the front tires. Nose may not be reinforced to allow any rough driving. (NKA rules apply) **May not** be made of metal and must not have any sharp edges/No wedge type bodies/No outlaw bodies or nose/body **MUST** meet NKA rules.
- Harbor Freight 212cc Hemi Predator Stock engine only! PN 60363 ONLY / Must run stock thick head gasket.
- Engine is to be stock as from the factory and will be teched using a new stock engine for comparison.
- **If the rules do not say you can do it, you cannot do it.**
- No Ducar 212 engines allowed.
- No Box Stock Project 212 engines allowed.
- No Tillotson 212 engines allowed.
- No Harbor Freight Ghost engines allowed.
- Must have a chain guard and clutch guard.
- Open clutch/drum or disc types only / 35 Pitch chain and sprockets only
- Stock HF cam only as supplied with new engine, cam lift and duration will be teched against a known stock Harbor Freight engine.
- Stock Timing key only / key may not be altered from stock.
- Stock flywheel required / keyway or any other part of the flywheel may not be altered.
- Valve springs will be teched for 10.8 pound at .850 installed height / 18 lbs. at .650 Aftermarket springs allowed .070 wire diameter maximum.
- No valve spring shims, or spacers allowed.
- Valve cover vent **MUST** go to the air box. **NO CATCH CANS** Allowed
- Stock air box and Stock air filter must be used and unaltered, you may add extra foam to filter.
- No modifications to air box, all extra holes must be plugged.
- Must run the **THICK** stock Predator head gasket 0.055 - 0.060 plus.
- 0.031 Main jet max / 0.032 **NO GO** / low speed jet non tech
- Removal of governor is allowed.

- Removal of gas tank is allowed, plate mounted pulse type fuel pump must be mounted to top plate only, single outlet pump only, must be pulsed from the crankcase, side cover, or rocker cover only.
- Stock fuel tank is allowed but not recommended, if used a max of three holes may be drilled in fuel fill cap to vent tank. Max diameter holes .125
- Vent hose from stock tank to air box may be removed from tank, hose must remain and must be plugged. If using aftermarket top plate with stock tank removed hose must be plugged as well and must be used.
- May NOT have fuel filter between fuel pump and carburetor, must be a one-piece fuel line, all fuel line hoses MUST be secured by clamps, wire ties, or wire.
- Low oil sensor may be disconnected or removed, hole in block plugged.
- No interchanging of non-Hemi engine parts into Hemi engine.
- Weenie pipe may not exceed .750 OD and meet NKA 202 rules for Jr and Adult class engines, muffler must be NKA approved for Jr / Adult engines and may not be modified in any way. Muffler must be tight on header when race is complete. Header MUST be wrapped / Muffler does not need to be wrapped refer to NKA 40.4.6.
- Motor is to remain STOCK as from the factory. Tech will be as compared to a known stock 212cc harbor freight hemi predator engine. IF IT DOESN'T SAY YOU CAN DO IT IN THE RULES YOU CAN'T!
- NO Claim rule 2025 in these classes
- Protest fee is \$250.00, competitor doing the protest must make protest at the scale, both protesters engine and the protested engines will go directly to tech area, the protestors engine will be teched first, if it passes the protested engine will be teched. If the protestors engines fail tech the protested engine will not be teched beyond the standard tech that day.
- Protester will not get any of the protest fee back if his or her engine fails tech, if protesters engine passes tech and the protested engine passes tech the protested owner will get \$125.00 and the track gets \$125.00, if the protestors engine passes tech and the protested engine fails tech the protestor gets \$125.00 back and the track gets \$125.00.
- Any and all illegal parts will be confiscated by the track for disposal.
- Anyone found to be illegal in this class may not be allowed to run in this class pending Promotors/Race Director's decision.

BRMP Karting Speedway Jalopy Kart Rules

Ages: 13+

Weight: 425lb. Minimum

Engine:

- Must be BRIGGS LO 206 only. No predator engines.
- Jalopy Class will use the 2024 Thunder Hill Speedway Sportsman Rules
- 2024 NKA Rules will apply for ALL karts unless otherwise stated
- Exceptions to the Sportsman Rules:
 - Wings and Cages will be BP Jr Wing Style
 - Box Stock (Wing Rules) will be used (R box/BP JR Wing/ Intermediate and type)
 - Center panel 36" long by 32" wide
 - Right-side panel 40" long by 14" wide.
 - Left Panel 40" Long by 20" wide.
 - All dimensions are +/- 3.0"
 - No Air deflecting metal or plastic/lexan material may not be added to the wing.
 - No sharp edges.
 - No Cockpit adjustable wing sliders allowed, electric or manual.
- No cage mounted shocks or dampening devices allowed without approval from race director prior to the event. Bungee cords are allowed.

- Only Spring Mounted Cages.
 - Cage must be mounted in four (4) spots:
 - Two ahead of the driver and two behind driver seat.
 - Grade 5 bolts required for mounting the roll cage.

- The karts competing in these classes may be built by any competitor or manufacturer. The kart, as built, must comply with all guidelines set by the speedway officials.
- **Chassis Specs:**
 - Main frame must be similar to flat karts competing at Rice Lake Speed Pit or Cedar Lake Arena with the addition of roll cage.
 - Roll cage must be constructed of mild steel tubing, chrome moly tubing, or material of equal or greater strength, must be of a design that protects the driver in the event of an upset or mishap and must pass stringent inspection by the track.
- All General track rules apply unless otherwise stated above.
- Seat belts required, either a 4- or 5-point mount.
- **HOOSIER treaded tires only.**