

# INNOVATIVE KARTING CLASSIC 2025 RULES

## **General Rules For Young Guns / JR1 / JR2 / JR3 / Outlaw 125 / Outlaw 250 / Outlaw 500:**

- Gas for clone classes require 87 octane. No additives may be present.
- Chain Guard Required
- No Tire Dope except flat kart classes allowed.
- Open Clutch
- Muffler is optional
- Nerf Bars Required
- Front & Rear Bumper Required. Bumpers must be of tubular design and max width of rear bumper may be no wider than tire sidewall to sidewall width. Front bumper may be no wider than frame rails.
- Tread Tires only with RR Hoosier D50 or Burris/QRC 50 or 55 and RR must durometer a minimum of 50 at all times.
- Raceciewers are required in all classes except Young Gun.
- All clone classes will follow AKRA rules unless otherwise noted. Get your rule book from their website: [akraracing.com](http://akraracing.com) or by calling. (we are not permitted to reprint or post the rules on our website so it is the responsibility for racers to obtain a copy (\$10) and abide and understand the rules of this governing body.)

### **Young Guns**

Age 4 to 7

Weight: 250lbs

Engine – 196cc Clone with Red Restrictor plate.

**Jr 1 Clone** – ages 5-7 years old, gas only and weight rule is 265 lbs., using a Green Plate Restrictor

**Jr 2 Clone** – ages 7-12 years old, gas only with weight at 290 lbs., using a Blue Plate Restrictor plate.

**Jr-3 Clone** – ages 10-15 years old, gas only with weight at 320lbs, and No restrictor plate.

**Outlaw 125** (Age 10 & up)

Single cylinder, two-cycle, single carburetor MX dirt bike or ATV engine, gasoline only not to exceed 135cc displacement.

Stock 125cc OEM Stroke. (may overbore to 135)

Stock OEM manual disk type clutch only, must be able to push start.

Minimum of 375 pounds with driver.

**Outlaw 250** (12 to 16)

No overbore engine not to exceed 265cc displacement

Stock OEM stroke.

No slipper clutches

or fuel injected is legal, single carb only

No lightening of flywheels

Any pipe allowed as long as it is not a safety issue, (protruding outside of nerf bars etc.)

Gear removal will be a non-tech item

Beadlock required on right rear

Weight – 420 lbs

### **Outlaw 500 Open Karts** (15 and up)

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Single cylinder, single carburetor two-cycle or OEM fuel injected/carbureted four-cycle MX dirt bike or ATV engines are accepted must not exceed 550cc displacement.

Stock OEM manual type disk clutch only, must be able to push start.

Weight with driver minimum of 450 pounds.

## **Caged Stock Appearing**

Age: 15 and up.

Axle - May not protrude past the outside edge of the wheel.

Body - Hood is mandatory. Tailpiece or side pods may be used. The body may be constructed of any material - excluding cloth, canvas, or wood. Flat kart bodies are not allowed!

Brakes - Must be in working condition and the driver must be able to fully engage the brake pedal.

Chain Guard - Required - must be designed to protect the driver in the event of a chain failure.

Equipment - Raceceiver and Transponders are mandatory. Raceceiver channel is 454.000. Transponder is to be mounted to the steering column via a clip or bag.

Frame - Must be caged configuration karts not to exceed 90" in overall length. Must be constructed of steel (no aluminum or conduit tubing).

Kill Switch - Kill switch must effectively disable the motor. Shall be installed and within the reach of the driver wearing tightened seat belts. It is recommended that the switch be in front of the driver.

Muffler – optional

Nerf & other bars - Nerf bars may not extend more than 3" outside the outer edge of the tire. Any bars other than a "regular" nerf bar may not extend outside the outer edge of the tire.

Pipe - Any pipe as long as it is not a safety issue.

Seat - Aluminum seats are mandatory.

Wheels - Wheels must not exceed 6" in diameter and are to be steel or aluminum only!

Weights - All weights must be painted white and display the kart number. They must be securely bolted within the frame rails. (No zip ties or wires are permitted to attach any weight to the kart)

Engine: Must look like a stock clone style 196/212 engine from the outside

Weight: Minimum 400lbs with driver after the race.

No Billet blocks, side covers or heads are allowed!

Air Filter: Aftermarket filters are allowed

Clutch: Any clutch

Carburetor: Must be stock appearing carb (NOT ALLOWED - slide carbs, visible epoxy on outside or GX390 carbs)

Fuel: 87 octane gas only, no additives, must pass specific gravity test.

Pull Rope Starter: Must be working – no electrical starter boxes allowed

Tires: Any tire - Any compound

Wings: Not allowed

## **PRO STOCK PREDATOR 212 FLAT / PRO STOCK APPEARING FLAT/ RWYB FLAT / PRO FLAT CLONE HEAVY AND PRO FLAT CLONE HEAVY PLUS KART RULES**

Axle - May not protrude past the outside edge of the wheel.

Body – Mandatory

Brakes - Must be in working condition and the driver must be able to fully engage the brake pedal.

Chain Guard - Required - must be designed to protect the driver in the event of a chain failure.

Exhaust – It is recommended that you wrap or sleeve exhaust system with a heat-resistant fabric.

Equipment - Raceceiver and Transponders are mandatory. Raceceiver channel is 454.000. Transponder is to be mounted to the steering column via a clip or bag.

Frame - Must not exceed 90" in overall length. Must be constructed of steel (no aluminum or conduit tubing).

# INNOVATIVE KARTING CLASSIC 2025 RULES

**Muffler** - optional

**Nerf & other bars** - Nerf bars may not extend more than 3” outside the outer edge of the tire. Any bars other than a “regular” nerf bar may not extend outside the outer edge of the tire.

**Wheels** - Wheels must not exceed 6” in diameter and are to be steel or aluminum only!

**Weights** - All weights must be painted white and display the kart number. They must be securely bolted within the frame rails. (No zip ties or wires are permitted to attach any weight to the kart)

**\*Large zip tie on spark plug wire (with end pointing UP) is recommended in all classes**

## **Pro Stock Predator 212 Flat**

Age: 15 and up. Younger drivers may petition to race

Weight: 375lbs

Tires: Open

Clutch: Open

Fuel: 87 octane gas **ONLY**. No additives

Fuel Tank: May be located in the stock position (must be taped down) or a floor mounted position (auxiliary fuel pump & top plate with associated fuel and pulse lines are allowed – may be pulsed from the engine side cover crankcase or valve cover).

Engine: Harbor Freight Predator 212cc engine or 212cc Ducar Engine

Head: Hemi or non-hemi is allowed. Cylinder heads may **NOT** be interchanged! No machining allowed!

Head Gasket: Must be **stock** gasket.

Pipe: Any pipe as long as it is not a safety issue.

Timing Key: Non-tech part

Cam: Must be **stock** cam.

Flywheel: Aftermarket flywheel is **REQUIRED**; ultra-lights are **NOT** allowed.

Valve Springs: 10.8 **ONLY**.

Carburetor: Must run **STOCK** - boring of any kind is **ILLEGAL**.

Air filter: Aftermarket air filter is allowed.

Jets: Non-tech item.

Governor assembly: May be removed in its entirety, if removed the block hole **MUST** be plugged.

- No shroud may be used for any reason; all holes must be visible and not obstructed.

- No machining of the block.

- **NO INTERNAL ALTERATIONS ALLOWED!**

**ALL OTHER ITEMS OTHER THAN THE ONES SPECIFICALLY MENTIONED MUST BE STOCK OEM AND IN OEM LOCATIONS!**

## **Pro Stock Appearing Flat**

Age: 15 and up. Younger drivers may petition to race

Engine: Must look like a stock clone style 196/212 engine from the outside

Weight: 375lbs

No Billet blocks, side covers or heads are allowed!

Air Filter: Aftermarket filters are allowed

Clutch: Any clutch

Carburetor: Must be stock appearing carb (**NOT ALLOWED** - slide carbs, visible epoxy on outside or GX390 carbs)

Fuel: 87 octane gas only, no additives

Pull Rope Starter: Must be working – no electrical starter boxes allowed

Tires: Any tire - Any compound

## **Pro Flat RWYB**

Age: 15 and up

# **INNOVATIVE KARTING CLASSIC 2025 RULES**

## **Pro Flat Clone Heavy & Heavy Plus**

Age: 15 & up  
Weight: 375lbs (Heavy) & 390lbs (Heavy Plus)  
Engine: AKRA Clone Only  
Fuel: 87 Octane gas only  
Pipe: Any pipe as long as it is not a safety issue.  
Clutch: Any  
Tires: Knobbies or slicks.

## **Lonestar Caged Predator**

### **General Rules**

Drivers aged 16 & up  
Weight: 430LBS  
All steel kart frame with cage and body  
All Karts must be presentable and safe proper 5 point seat belts, proper Aluminum seat, anything deemed by officials to be unsafe or out of line with the spirit of the class will not be allowed to race  
All karts must have their kart number large on the right side of kart either on Sail panel or Hood  
Axle- May not protrude past the outside edge of wheels  
Body- Can be fiberglass, carbon fiber, aluminum, or other materials can be used  
Brakes- must be in working condition and driver must be able to fully engage brake pedal  
Frame- must be caged kart, cage must be constructed of steel  
Kill Switch- must be operable and fully disable engine  
Nerf Bars- may not extend more than 3" outside edge of wheels  
Numbers- Must be legible on both sides of kart, Kart must have a large number on the right side of the car either on the sail panel or hood  
Seat- must be properly secured and maintain drivers position when racing  
Wheels- must not exceed 6" in diameter and can be steel or aluminum  
Weights- Must be painted white and display kart number, must be properly bolted within the frame rails  
Mufflers- optional  
No Wings allowed  
Any Tires, No prep or wraps allowed  
**Engine Rules**  
Stock Harbor Freight Predator 212cc engine only (Hemi or Non-Hemi head okay).  
Pump Gasoline only 91 octane or less. no fuel additives of any kind allowed, no racing gas)-Tech item  
Must have chain guard.  
Drum clutch  
Stock engine governor must remain inside engine but it can be bypassed. Oil sensor may be disconnected  
Top Plate for fuel pump and throttle linkage is allowed.  
Any header and muffler allowed must not be a safety issue.  
Can re-jet stock carburetor, no other modification allowed, must run stock plastic insulator and must be un-altered  
-Tech Item

# INNOVATIVE KARTING CLASSIC 2025 RULES

Stock air box and filter only, air box must match the model of engine (hemi/Non-hemi, air box and filter Must remain stock and unaltered Tech Item

Valve cover can be removed to tap fitting for fuel pump.

Valve Train must be stock, unaltered, 10.8lbs valve springs, no shimming of springs, no ratio meters - Tech Item

Blower cover and pull rope starter must remain stock and in working order.

Stock flywheel must be replaced with an ARC-6696 or PVL cast aluminum flywheel for safety reasons. No slotted flywheels, minimum weight is 3.5lbs this is a Tech item.

Rod/crank/piston must be stock OEM for which ever predator model you are running (hemi or non-hemi)

Cylinder head must be stock OEM, NO HEAD swapping (non-hemi head on Hemi lower or vice versa), No porting or polishing allowed, no other head work allowed

Head Gasket must be stock head gasket for the model you are running (hemi/non-hemi}

Coil must be stock ignition coil with the hard plastic boot, No aftermarket plug wire or coil allowed 21 Spark plug- any plug is allowed

No other modifications outside or inside the engine are allowed.

Seals: will be run through side cam covers, and head fins to engine block. Seals are numbered and will be matched to that engine serial number. Seals must be intact and unaltered. If the seal is broken or looks damaged or tampered with, engine will be deemed illegal and will need to be re-sealed.

Engine Protest:

Engine protest may be done by any finishing driver of the night's A-main event.

There must be a written protest and \$120 fee must be given to track official within 10 minutes of the completion of the A-main event.

If engine is found to be legal \$100.00 of the protest money will be forfeited to the protested party and \$20.00 will be retained by tech official to cover cost of resealing engine

If engine is found to be illegal \$100.00 will go to the protesting party and \$20.00 will go to official performing inspection

Protest denial:

Disqualification

## Southern Class Clarifications

Classes – We will not be focused on age we will focus on ability, if you can handle the kart properly, we will allow you to race with in the kart rules. Parents enter your child where they are comfortable racing and not getting into trouble. We reserve the right to move people out of a class.

Southern Youth Predator Division based on 7 years old and under – Minimum weight 265lbs – Red Restrictor Plate

Southern Senior Predator Division based on 8-15 year old – Minimum weight 320lbs – No Restrictor Plate

Southern Stock Predator Division — Minimum weight is 375 lbs – no restrictor plate

Southern Stock Heavy Predator Division - Minimum weight is 420 lbs – no restrictor plate

## SOUTHERN YOUTH / SENIOR PREDATOR DIVISION KART RULES

### **Frames**

Any production & Custom frame allowed.

# INNOVATIVE KARTING CLASSIC 2025 RULES

Must be made of steel. No aluminum or titanium.  
Champ karts ok. No suspension karts.

## **Body**

Bodies are optional.  
Fiberglass, Aluminum or steel bodies.  
Feet must be protected with nose cone or tubing.

## **Suspension**

No Suspension allowed.

## **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.  
We recommend bumpers to be the full width of the front and rear tires.  
Nerf bars are of max 1" O.D. tubing are required and may not extend past the outside of tires.  
Bumpers and nerf bars must have rounded ends.  
No sharp edges.

## **Roll Cages**

A roll cage is required  
Cage must be constructed of quality material in a safe manner.  
Cage must be securely mounted to the frame.

## **Wheels**

Any steel or aluminum wheels allowed.  
Wheel spacers between the wheel and HUB are not allowed.

## **Tires**

Turf -type Tires only - Maximum turf tire size 13/6.50-6 Must use the Deestone, Carlisle or Turf Saver Brand tires. Any other Turf type tire must be track approved prior to racing.  
No after-market racing tires are allowed.  
No sipping, grooving, or softening allowed.

## **Fuel**

Gasoline only.  
No methanol and No E85.  
Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type  
Must be chain driven  
Chain guard must be in place between chain and driver

## **Clutches**

Shoe type clutches allowed no disk type clutches.

## **Weight Rule**

Southern Youth Predator Division – Minimum weight 265lbs  
Southern Senior Predator Division – Minimum weight 320lbs

## **Brakes**

Brakes must be in good working order – THIS IS A TECH ITEM NO BRAKES NO RACE!!!!  
Must have guard in place over brake rotor.  
No front Brakes allowed.

## **Engine**

# **INNOVATIVE KARTING CLASSIC 2025 RULES**

**Only the Predator 6.5 HP (212 cc) HORIZONTAL SHAFT OVERHEAD VALVE GAS ENGINE IS ALLOWED! These motors are sold at Harbor Freight. The Hemi or non-Hemi are both allowed.**

**No modifications to the motor other than the exhaust, governor, air cleaner, and Carb Jets.**

Any exhaust is allowed, must have flanged end.

The Governor may be disconnected.

The air cleaner can be replaced with any style of air cleaner.

## **Cam Timing**

- With degree wheel at perfect TDC
- Cam timing will be checked at the end of the intake push rod when the push rod lifts .050
- The wheel must read between 8 to 12 degrees for Hemi and between 10 and 14 degrees for non-hemi.

## **Ignition Timing**

- With Degree wheel at perfect TDC
- Ignition timing will be checked by aligning leading edge of magnet with trailing edge of coil
- Degree wheel reading must not exceed 16 degrees
- Offset flywheel key may be used to advance or retard timing to not exceed 16 degrees maximum.

## **Fly Wheel**

- Minimum weight is 5lbs – 0 ounces no exceptions.
- Flywheel must be stock-unaltered, no modifying or lightening of any kind.

## **Valves**

- Stock valve and valve seat angles only.
- Valve Spring - Maximum 10.8 pounds at .850 height no shimming

No taping of recoil or blower housing allowed.

No mixing of parts between models.

Carb may not be modified other than the jets.

**\*\*SP , Rui\*ing , and Huayi Carbs only no other carbs allowed! Must remain stock!**

**Maximum main jet size 0.40 no exceptions.**

## **Restrictor Plate requirements**

Southern Youth Predator Division – Red Restrictor Plate

Southern Senior Predator Division - no restrictor plate

## **Predator and Heavy Predator Kart Rules**

### **Frames**

Any production & Custom frame allowed.

Must be made of steel. No aluminum or titanium.

Champ karts ok. No suspension karts.

### **Body**

Bodies are optional.

Fiberglass, Aluminum or steel bodies.

Feet must be protected with nose cone or tubing.

# INNOVATIVE KARTING CLASSIC 2025 RULES

## **Suspension**

No Suspension allowed.

## **Bumpers and Nerf Bars - Mandatory**

Front and rear bumpers are required.

Full width rear bumpers are recommended. Front of kart should have a full width bumper or a body panel that covers the front end including the wheels.

Nerf bars are of max 1" O.D. tubing are required and may not extend past the outside of tires.

Bumpers and nerf bars must have rounded ends.

No sharp edges.

## **Roll Cages**

No roll cages allowed.

## **Wheels**

Any steel or aluminum wheels allowed.

Wheel spacers between the wheel and HUB are not allowed.

## **Tires**

Turf -type Tires only - Maximum turf tire size 13/6.50-6 Must use the Deestone, Carlisle or Turf Saver Brand tires. Any other Turf type tire must be track approved prior to racing.

No Softening of tires – Minimum Durometer reading of 60 (no exceptions)

No after-market racing tires are allowed.

## **Fuel**

Gasoline only.

No Racing Fuel or E85.

Aftermarket fuel tanks are allowed.

## **Drive train**

Must be live axle type

Must be chain driven

Chain guard must be in place between chain and driver

## **Clutches**

Shoe type clutches allowed no disk type clutches.

## **Weight**

Southern Stock Predator minimum weight is 375lbs after the race with driver in kart.

Southern Heavy Predator minimum weight is 420lbs after the race with driver in kart.

## **Brakes**

Must have (2) rear wheel brakes.

Brakes must be in good working order.

Must have guard in place over brake rotor.

No front Brakes allowed.

## **Engine**

**Only the Predator 6.5 HP (212 cc) HORIZONTAL SHAFT OVERHEAD VALVE GAS ENGINE IS ALLOWED! These motors are sold at Harbor Freight. The Hemi or non-Hemi are both allowed.**

**No modifications to the motor other than the exhaust, governor, air cleaner, and Carb Jets.**

Any exhaust is allowed, must have flanged end.

The Governor may be disconnected.



# INNOVATIVE KARTING CLASSIC 2025 RULES

The air cleaner can be replaced with any style of air cleaner.

## **Cam Timing**

- With degree wheel at perfect TDC
- Cam timing will be checked at the end of the intake push rod when the push rod lifts .050
- The wheel must read between 8 to 12 degrees for Hemi and between 10 and 14 degrees for non-hemi.

## **Ignition Timing**

- With Degree wheel at perfect TDC
- Ignition timing will be checked by aligning leading edge of magnet with trailing edge of coil
- Degree wheel reading must not exceed 16 degrees
- Offset flywheel key may be used to advance or retard timing to not exceed 16 degrees maximum.

## **Fly Wheel**

- Minimum weight is 5lbs – 0 ounces no exceptions.
- Flywheel must be stock-unaltered, no modifying or lightening of any kind.

## **Valves**

- Stock valve and valve seat angles only.
- Valve Spring - Maximum 10.8 pounds at .850 height no shimming

No taping of recoil or blower housing allowed.

No mixing of parts between models.

Carb may not be modified other than the jets.

**\*\*SP, Rui\*ing, and Huayi Carbs only no other carbs allowed!**

## **Restrictor Plate requirements**

no restrictor plate