

2024 125/250 Wing Kart class rules:

ALL WING KART CLASSES: (Read through entire rules below and know your class rules)

Working RaceCeivers and Transponders are MANDATORY. If your RaceCeiver does not work in staging you will not be allowed to race.

2. Transponders must be installed and in working order. If your transponder does not work you will not be scored. 3. **Transponders on Wing karts will be mounted behind seat on seat mount (low) near the frame** (If mounted in the incorrect spot and a close finish is scored you will be put behind the other finisher)

A: 1. All karts must be approved by the race director prior to competition.

2. Tires must be Hoosier treaded kart tires and approved by series officials. Not to exceed 6" diameter. 3. Cages are mandatory and must be for the protection of the driver.

4. Bodies can be any material except wood. No sharp edges or protruding parts

5. All karts must have a wing, hood, and a tail.

6. No bars may extend out past the outer edge of the tire except nerf bars.

7. 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. 8. Duplicate numbers must have a letter. The letter must be legible.

9. No Front Wings allowed.

10. 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.

11. Axles cannot be made out of any exotic materials. No Carbon or Titanium.

Weight

1. All karts must meet the designated minimum weight in their perspective class. (post race with driver)

2. Additional bolt on weight is permitted, but must be fastened in a secure manner and must be painted white and must have the kart number written on it.

3. It is YOUR responsibility to make sure your kart meets the minimum weight each week per track scales.

Safety

A. YOU ARE RESPONSIBLE FOR THE SAFETY OF YOU AND YOUR KART.

B. Brakes must be in good working order at all times.

C. Kill Switches are recommended in all classes! Karts must also have a 6" nylon tie attached to the spark plug wire. D. Aluminum high back seats are Mandatory. The top of the seat should be at the middle of the driver's head. E. All 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.

F. Approved neck braces or neck restraints are mandatory.

G. **Helmets must be 2015 SNELL approved or newer**, and must fit the drivers head correctly. Thunder Hill Speedway officials have the right to determine if a driver's helmet is safe enough for competition.

H. Racing suits are highly recommended. No shorts or cut off pants allowed.

J. Roll Cage must be securely fastened at 4 locations with at least grade 5 bolts.

K. Driver's body must be completely inside the roll cage and have at least 2 inches

clearance above the driver's head. L. Knee Knockers or padding around the steering column is recommended.

M. Chain Guards, designed to protect the driver in the event of a chain failure are Mandatory.
N. Helmets and all safety gear must be worn during engine warm ups at all times.
O. Safety is Thunder Hill Speedway's number 1 concern. So please make it your number 1 concern as well. Be Smart!!
P. All 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).

Unsportsmanlike Conduct

1. Fighting at Thunder Hill Speedway will result in suspension.
 2. Any display of unsportsmanlike conduct (on or off the track) will result in a Fine, Suspension, and Immediate Removal from grounds, Point Penalties, or All of the above.
 3. Rough driving will result in docked positions, fine or black flag. Drivers and Crew members observed verbally or physically abusing other drivers and/or officials will result in loss of points, fines and/or suspension.
- NO EXCEPTIONS!**
- Drivers that move up a class cannot go back and compete in lower classes or compete in both classes with possible exception of Nationals Event. (Promoter discretion)

125/250 Wing Kart Rules:

Class Age 11-up (No younger drivers unless approved by Thunder Hill Speedway)

Receiver and Transponder Required in this class!

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, 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 Rotary engines
- Min. Weight with 125 engine is 375#

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

- 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).
- Min. Weight with any 250 is 430#

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

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.

-Min. Weight with any 250 is 430#

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!

2024 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.

- a. Right Side wing panel may not exceed 48" long or 20" tall at any point
- b. Left Side wing panel may not exceed 48" long or 28" tall at any point
- c. Center Section may not exceed 41" wide at any point