



SER RACE CLUB

Wild Rats 212

Wild Rats 212 overview

We look for this to be one of our biggest classes. A class for anyone from Rookie to pro. We are trying to find a balance with this class. A balance of speed, safety and overall cost to race. We want this to be a class with a low price point to race in, with large prizes.

Kart Frame

All Wild rats must have main frame rails made of at least 1" square or round tube. 16 or 14 gauge. Extra supports and frame crossing bars may be made of 3/4" or bigger. Non supporting or appearance only items can be made from various materials. The lowest part of the frame or bumper can't be any lower than 1". And no taller than 6"

Front end must be a strait axle made from 2x1" tube.

Suspension

Rigid frame only at this time in Wild Rats

Roll Cage

All Rats need roll cages. The cage must be made in the shape of the style of body your planning to use. Roll cage must have at least 1"x16GA square or round main "loop" behind driver. The rest may be made from 1" or 3/4". We recommended building a sturdy strong cage. Cage must have at least one side bar on each side of driver.

Body panels

All Wild Rats must have full bodies. These can be made in various styles. Old car, hot rods, Roadsters etc. Panels can be mounted in various ways. Rivets, screws, etc. May use sheet metal, Aluminum, Plastic, fiberglass or anything that won't shred and injure others. Driver feet must not be easily viewable from outside. If doing a open hood style drivers feet must be hidden and a prop motor should be placed in the front "if engine not in front".

Doors

Wild Rats may have one door that opens or lifts off. You may also have no doors with entry via window or roof top.

Wheel base

Wheel base may be from around 60" up to 70". There is a little wiggle room with this rule.

Tire Track Width

This is measured from outside to outside of your rear tires. This must be within 42"-52" Inches there is a little wiggle room with this rule.

Steering

Steering is done with classic go kart style set ups. No rack and pinions. We do allow a chain drive system to help with steering wheel placement. "A shaft being driven by another shaft via sprocket and chain" This system must have a spring loaded tension system in place to make up for any chain stretch and must be driven with #40 chain or bigger. Must use classic style go kart spindles, racing spindles or box spindles.

Bumpers and side rails

All karts must have some sort of contact bumper on front and rear. Must also have side contact rails. These should have a contact point at about three to four inches off the ground. Front and rear bumper must stick out past the tires but do not have to be as wide as the tires track width. Side rails can set in a inch or two or be flush. Bumpers and side rails can be built into the body or design of the main frame so they do not look like bumpers.

Seat

Seats must be full size and work well with a 4 point harness. Any racing or quality bucket seat will work. The best deal is the Summit bucket seat for around \$40.00. You may also build a custom seat. Seat can be mounted center or offset. Seats can be mounted flat or you can use Angled back seat's. A good way to build your own seat is with tube,plywood and cover in thin padding and vinyl or leather.

Seat belt

Must have a harness installed in all Rats.

Tires and wheel

May use hub wheels or bearing wheels. Tires from the size of 13" tall up to 18" tall. 4" wide up to 10" wide.

Must use same two tires in rear and same two tires in front. We are not allowing off set tire set ups in this class. No aggressive tires. Common tires types allowed are as follows.

Slicks, Turf savers ,sawtooth, ribbed ,Any tire style that it not knobby or overly aggressive.

Engine

200-212 CC four stroke Honda clone engines. May be front, rear or side mounted. If front mounted your system to transfer power to the rear must be safe for you and other racers around you. Any chains near driver must be shrouded. We recommend rear engine set ups for less trouble and better performance. Engine set up in “passenger” position to side of driver may work well with some wider body builds. Motor must be hidden from outside view unless it is front mount.

Drive train “clutch”

Go kart Torque converters are recommended go kart clutches are allowed also. No other means of power transfer is allowed in this class.

Gear ratio

At this time we only allow 40 tooth or 60 tooth #40 chain main sprocket. Gear Ratio may be altered via jackshaft. Sprocket must be the built in hub type no easy removable sprocket. This rule helps keep this class fair and close and also keeps the budget down a little more. Along with stronger longer lasting #40 chain “This rule is under review and may be changed soon”

Engine mods

Stage 1 mods only, This includes. Spark plug, Muffler, Air filter, Carburetor jet upgrade.

At this time we are leaving the governor intact. This rule may be changed very soon. We are however allowing the ziptie mod for governors at this time.

Brake and throttle

May use single classic go kart brake, Drum or disc style. Brake and throttle must both be foot controlled.