



## Tomahawk Speedway 4 Cylinder Stock Class Rules

Updated 02/16/2022

These rules are property of Tomahawk Speedway. The guidelines and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These guidelines shall govern the condition of events and participation therein. They are intended as a guide for the conduct of events and are in no way a guarantee against injury or death to a participant, spectator, or official. The Tech Director, or the management, shall be empowered to permit minor deviation from any of the guidelines and or regulations herein, or impose any further restriction, which, in his or her opinion, does not alter the purpose of the organization. Deviation of these guidelines and or regulations will be the responsibility of Tomahawk Speedway officials, whose decisions are final. Tomahawk Speedway may at any time out law any engine, chassis, or body part that may be too costly. Our goal is to keep short track racing as affordable as we can. All cars and drivers must have car and driver data sheet on file with Tech Director before the car is allowed on track. Any car or part maybe held for examination at any time. These rules may be updated or changed at any time by track management.

Minimum age for driver is 14. Must have proper wavers and forms on file with track management.

**This is a starter type class of Automobile Racing. It will be held as to that. We may at any time make any car, part, driver or team ineligible for any event or race. Safety is the most important part of any racing. Please make sure your car is up to date on all safety equipment as this is the only part of this vehicle that maybe upgraded at all. Seats, Belts, Head and Neck Supports and Roll Cages. This will be conducted as a racing event. Your safety is very important to Tomahawk Speedway. We are using this as an entry level class and will be enforcing strictly stock components only.**

### Rules

#### **BODY:**

Any Front wheel drive 4-cylinder standard type of auto American or Foreign maybe used. May not have any trucks, or turbo/super charged style autos.

Two-wheel drive only.

All doors must be WELDED shut.

Must retain stock floor pan.

All glass except windshield needs to be removed. Windshield maybe used. If windshield is removed a screen with (4) 1/8-inch minimum deflector bars are needed and directly in front to protect the driver.

Official approval is required.

Additional bracing is ok.

Any plastic inside or outside must be removed. All interiors must also be removed.

All hood and trunk fasteners must be pin style and all factory devices need to be removed.

Tubular bumpers allowed. Radiator protection bar allowed.

A rub rail must be present; it must stick out further than any tire on the car.

Stock mounted floor pedals in stock location.

Spoilers allowed.

#### **ROLL CAGE:**

A four-point cage is mandatory with at least 3 bars in driver's door with an 1/8 steel deflector plate covering the left door bars to protect the driver. A 4X4 plate welded and bolted through the floor at mounting points from cage to floor body minimum of two 1/2 bolts per plate. Cage may NOT go through front or rear firewalls. All roll and door bars must be minimum 1.5-inch DOM style steel bars (095 tubing minimum). All welds must meet official approval. Must have gussets at all weld joints. Front and rear fire walls must be capped or covered to not allow flames to enter drivers' area. Official approval on any cage or construction. Cage Picture from Roll Cage Components. (NOTE Drivers door bars also need to be plated not shown in picture)



A METAL racing seat is mandatory, NO FIBERGLASS, NO PLASTIC. Race seat must be secured to the cage with minimum 3/8" bolts and oversized washers. Must meet official approval. Head and neck restraints on seat highly recommended.

Please also remember we take pride in our racetrack and drivers. Please provide us with a clean nice-looking car for our fans. We are here to put on a show. If we all work at it...it will only be better for all.

#### **WEIGHT RULE:**

A minimum weight of 2275 with driver for all cars. A weight penalty maybe placed on any car type, engine, or team at any time.

#### **SUSPENSION:**

MUST BE STOCK for year make and model of car. No heating of springs. Strut bars front or rear are allowed if car came with one. No Screw jacks. EXCEPTION: Spring rubbers are allowed.

No in or out bump stops. You may run adjustable control arm (No Heim Joints allowed)

2022 Single factory foam bump stop allowed stock height for year, make model.

#### **TRANSMISSION:**

Stock OEM for year make and model only. Stock drive axles. Stock clutch, pressure plate, flywheel and or drive shaft. No full locker, OEM limited slip is allowed.

**TIRES:**

Any tire at any time may be deemed not within the rules or not within the betterment of racing at Tomahawk Speedway. Tires will be inspected with the Tomahawk tire width gauge. Max section width is 215, Minimum 60 series tire. All tires must have a UTQG rating of 260 or higher.

EXCEPTION: Any car running a racing rim may run a Towel City 205 / 60 / 13 on Federal Super Steel 595 Legend casing.

**WHEELS/BRAKES/CASTOR-CAMBER/STEERING:**

Stock OEM for year make and model brakes only. Must have on all FOUR wheels and in working condition. No bias adjusters allowed.

Wheels 6-inch maximum stock OEM style. NOTE! May be steel or Aluminum. Maybe reinforced and oversized lug nuts are required. 6 or 7" racing rims allowed and recommended.

EXCEPTION: Any car running a racing rim may run a Towel City 205 / 60 / 13 on Federal Super Steel 595 Legend casing.

Steering must be stock and of stock components for year, make and model. A collapsible steering column is highly recommended. ALL/ANY Air Bags must be removed.

**ENGINE:**

4 cylinders only. Must meet DB requirements of 100 DB. Exhaust must exit behind driver. Must have stock exhaust manifold. Must have radiator mounted in front of engine and no coolant other than water allowed. VVT style engine may get an added weight. Any part of engine deemed to be none OEM will be grounds for disqualification. (IE) oil coolers, oil pans, heads, block, internals, and ANY part of the engine or its components.

EXCEPTION: Headers are allowed, add 25lbs, Cold Air Intake is allowed, add 25lbs.

**BATTERY:**

Maybe SECURED in stock location. Recommended in trunk location away from driver sealed and covered. If any are mounted inside driver area must be COMPLETELY COVERED, secure, and in a leak proof container. Official Approval required. (Sealed and covered boat style boxes OK)

**FUEL INDUCTION:**

Must remain stock OEM for year make and model. A stock carburetor MUST also be used in a carbureted model of car.

**FUEL TANKS/FUEL CELLS:**

Fuel Cells are highly recommended. Any stock tank in front of the rear wheels is allowed other than must have extra straps to prevent loss. Fuel tanks in trunk area must also be secured and MUST have a complete fire wall from driver. Official approval required. Any leaking of fuel may result in the car being disqualified from the event or race.

**BELTS AND SAFETY:**

Belts. 2017 or newer. 5 point minimum.

Seat belt mounting link. Thank you to our friends at Simpson.

[https://simpsonraceproducts.com/pdf/inst/Seat\\_Belt\\_Mounting.pdf](https://simpsonraceproducts.com/pdf/inst/Seat_Belt_Mounting.pdf)

Helmet SA 2015 or newer.

Full Driver Suit is required. Flame retardant highly recommend.

Driving shoes (or heavy leather type)

Gloves required.

Window nets are required. Should drop down from roll cage.

Master Kill switch or ON and OFF switch must be painted safety orange and labeled.

HANS type device also HIGHLY RECOMMENDED.

Eye protection is required.

#### **MURDER HORNET 2021 AMENDED CLAIM RULE:**

Any racer finishing on the lead lap of the feature may claim another racers car for \$1,500 cash (only) and their car.

The drivers will retain their respective seats, belts, transponder and batteries unless they agree otherwise.

Multiple drivers may claim the same car on the same night. Drivers must stay in the scale area and express to the tech officials their intent to claim the specific car. The driver(s) then have 5 minutes to give the cash to the tech official.

In the case of multiple claims, all claiming drivers will have their names written on a slip of paper and placed in a hat or other receptacle that will conspicuously hide the pieces of paper. A disinterested third party will then draw one name and that name will be awarded the claimed car. The car driver being claimed will receive the persons car making the claim and \$1,500 from the person making the claim via the official holding the money.

Any drivers who made an unsuccessful claim in a multiple claim situation will receive \$1,400 of their \$1,500 back. The track will retain the proceeds from that, and it will be distributed in that class during the next race.

Any driver making a claim and failing to produce the \$1,500 after the 5-minute period will forfeit their points and money from that race. Consideration will be given for extraordinary circumstance, TBD by the race director.

Any driver who refuses the claim will lose their points and money for the night and be suspended for 3 race events and loses the ability to claim for one calendar year.

Any driver or crew claimed or not who exercises any unsportsmanlike conduct during the claims process will lose their or team points and pay for the night.

Any car claimed must run the next week or they forfeit points and pay for the claim night, pay will be held from claiming driver that night and dispersed at the conclusion of racing when the driver returns with the claimed car the following week.

Any driver claiming must have completed the feature race the previous 2 race nights at Tomahawk Speedway.

Any driver making a claim must pass tech to be able to claim another car. If outside of the scale group, the car must scale when directed to and then be teched by an official of Tomahawk Speedway.

A car failing tech does not protect it from being claimed.

No claims are allowed in the first two weeks of the season,

No claims are allowed on the last night of the season.

Please also remember we take pride in our racetrack and drivers. Please provide us with a clean nice-looking car for our fans. We are here to put on a show. If we all work at it...it will only be better for all.

**Tomahawk Speedway**

N11046 County Rd A

Tomahawk, WI 54487

Website: [tomahawk-speedway.com](http://tomahawk-speedway.com)

Facebook: [@tomahawkspeedway](https://www.facebook.com/tomahawkspeedway)