



**Fuel Injected**

**2024**

## **General**

- a. If you are building a car for the first time, please contact [mcdasandsspeedway@gmail.com](mailto:mcdasandsspeedway@gmail.com) to speak to a Marquette County Drivers Association (MCDA) representative before building.
- b. Each driver and crew member(s) are responsible for knowing these rules and the General Track Regulations and Track Policies.
- c. All cars will be inspected prior to racing and can be inspected at any time by the Tech Inspector/Official for safety and rule compliance.
- d. If a car is deemed unsafe by the by the Tech Inspector/Track Official, it will not be allowed to be race.
- e. If your car is disqualified by these rules, your entry fee WILL NOT BE REFUNDED.

## **Car Eligibility**

- a. A 1995 model year or newer fuel injected rear wheel drive passenger-type non-convertible model.
- b. Vehicle body must be stock with complete factory appearing body, undercarriage, and top.

## **Safety Requirements**

- a. A full windshield is required – stock windshield, Plexi-glass (Lexan), or reinforced screen may be used. Drivers using a screen for windshield must wear a full-face helmet with shield. All other glass must be removed, except one-quarter glass if covered.
- b. A fire extinguisher that is 2 lbs. or more, BC rated for metal with a gauge must be mounted in a quick release bracket and is required to be within reach of the driver.
- c. A kill switch or stock ignition switch required within reach of the driver and safety crew.
- d. Master switch by driver must be easily accessible from the outside and visible by safety crew. Must be clearly marked "ON" & "OFF".
- e. Battery must be securely installed in battery box with cover.
- f. A left side window net is required, construction must be web-type safety net with mechanical release.
- g. Roll cage padding is required in the driver's area.
- h. A high back aluminum racing seat is required and must be bolted to the roll cage.
- i. A five (5) point harness is required. The Lap belt and shoulder belts must be a minimum of 3" wide. All belts shall be free of physical damage or defects.

- All belts and mounting belts require Tech Inspector/Official approval for integrity.
- j. Eye protection and Helmet required - minimum DOT, recommended SA2010 or newer. Full face helmets are recommended (Required with screen refer to "a" above)
  - k. Fire suits are mandatory. Highly recommend a 2-layer SFI-5 fire suit.
  - l. Leather or approved racing gloves required. NO MECHANICS GLOVES ALLOWED.
  - m. Leather boots or racing boots required. NO ATHLETIC SHOES ALLOWED.
  - n. Tech Inspector and Sands Speedway Ownership (SSO) have the final say on any safety related items/decisions.

### **Chassis, Roll Cage and Framework Structural Additions**

- a. Roll cage material must be a minimum of 1 3/4" diameter with walls not less than .095" thick.
- b. Must have an 8-point perimeter roll cage. NO OFFSET ROLL CAGES ALLOWED.
- c. Must have 3 door bars minimum on the left side.
- d. A steel plate a minimum of 1/8" thick from post to post and from top to bottom on the left-side door is mandatory. This can be welded on the outside of or between door bars.
- e. All corner welds should be gusseted.
- f. Foot and leg protector bar from behind the left front wheel to the left front roll cage post is highly recommended.
- g. At a minimum, full factory floor pans shall remain intact. Any repair required or replacement of floors plans, either on right or left side shall meet or exceed OEM panels. A 1/8" thick steel pan plate may be added from the rear of the driver seat to the heel area of the firewall and is recommended.
- h. All ballast (weight) added must be painted white and securely fastened to the car number clearly marked on weight.

### **Weight**

A minimum weight of 3,000 pounds prequalifying and post-race (scaling in accordance with "Sands Speedway – General Rules and Track Policies")

Suggested minimum weights (based on percentage of average curb weights)

Ford Mustang model years 1995 through 2010	3,000 pounds
Chevrolet Camaro	3,290 pounds
Dodge Charger	3,640 pounds

## **Body**

- a. Body panels must be OEM panels, replacement panels, repaired panels or fabricated from a minimum of 22 Gauge steel to resemble the factory stock panel.
- b. Firewall must be stock or a fabricated "footbox" with a minimum 18 Ga steel at stock position.
- c. All holes in the firewall must be covered and must seal the engine area from the driver.
- d. Front and rear tow hooks/loops required.
- e. An outer rub rail next to the body is permitted and is to be mounted flush to the body only. Metal rub rails are to be 1" square maximum with tapered ends.

## **Fuel**

- a. Gasoline ONLY! NO alcohol-based fuels.
- b. No fuel line may be exposed in the driver compartment.
- c. No nitrous oxide (NOS). No cool can.
- d. Factory inertia switch is required if factory model so equipped, recommended to be moved within reach of driver.
- e. A fuel tank mounted ahead of rear axle is allowed.
- f. A fuel cell is allowed and is recommended.

## **Brakes**

- a. Must have all four working brakes.
- b. Drum or disc brakes allowed.

## **Exhaust System**

- a. **MUFFLERS MUST BE UNDER 100 DECIBALS at 100'! NO EXCEPTIONS!**

## **Steering and Suspension**

- a. Steering must be in typical stock arrangement and location.
- b. Hiem joints are allowed for steering components.
- c. The steering wheel should be padded. A collapsible steering wheel shaft is recommended.
- d. Any spring and shock (strut) allowed. Coil overs are allowed.
- e. The use of "weight jacks" is allowed on rear axle. Adjustable spring on the front allowed.
- f. Front suspension lower control arms must be at stock mounting locations.
- g. The use of air suspension is prohibited.

## **Tires and Wheels**

- a. The use of tire softener is prohibited.
- b. No air bleeders allowed.
- c. Longer and oversized stud bolts are recommended.
- d. Approved racing tires are the Hoosier D800, Hoosier F70 (acceptable), and street tires are allowed. If available, it is recommended that tires be purchased through the MCDA.
- e. Racing wheels are recommended on ALL sides, with a maximum width of 8".
- f. Stock wheels, with a maximum width of 8" are allowed if racing on street tires.

## **Tire Rule**

All tires new or used must be marked by the Tech Inspector at first race day a car participates. Each race day one (1) new or used tire can be marked. If a new tire is marked that tire shall be used for that race day. The car must race on the tires used in qualifying for the entire race day. A flat tire may be replaced during the race day with any marked tire or by approval of the Tech Inspector. The exception is on the first day the car races a flat tire may be replaced with any tire.

## **Cooling System**

- a. Any radiators allowed.
- b. NO ANTIFREEZE! Water pump lubricant allowed.
- c. An overflow container must be mounted in the engine compartment and able to hold a minimum of one US quart.
- d. Water pumps must be mechanically driven.

## **Engine, Transmission and Rear end**

- a. Must be stock internal parts. NO strokers.
- b. NO dry-sump system.
- c. Engine location must be in stock position.
- d. Any stock transmission must have forward and reverse in working order. Automatic transmission must have stock appearing torque converter.
- e. Clutch and pressure plate must be a minimum of 10" in diameter. No multidisc clutches allowed.
- f. Driveshaft must be painted white for safety. A safety loop is required on the first ¼ of the drive shaft.

- g. Stock or aftermarket rear ends allowed. Must retain stock original lower control arm brackets in the body, NO modifications allowed. Adjustable lower and upper links allowed.
- h. The wheelbase must match the factory dimension(s) for make and model year.

### **Transponders**

- a. No farther forward than 12" in front of the rear axle.
- b. Not to be placed higher than 12" off the track surface.

**All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition. If the car is deemed unsafe it will not be allowed to race.**