



# 4 Cyl Street Tire Rulebook

## 2021

### **AGE**

Minimum age to race is 14. You must be 14 years of age to race any class. Any driver under 14 must have MCDA board, class representatives and track approval. Any driver under 14 year old are required to have an approved rookie stripe across the back of the car.

### **GENERAL**

This class has been developed to permit those desiring to try stock car racing and to do so at an absolute minimum cost. This is a production division. Unless specifically listed below as an allowable modification; you may not change or modify the car or its parts in anyway. If it doesn't say you can then you can't. If you are building a car for the first time – please contact [sandsspeedway@gmail.com](mailto:sandsspeedway@gmail.com) to speak to an MCDA Representative before you build it.

### **Car Eligibility**

1980 and newer front wheel drive only, four cylinder, non- turbo charged, no nitro, and no superchargers. Maximum overall length, bumper to bumper, is 192". No rust buckets, no all-wheel drive cars. If your car comes equipped with an air bag it MUST be disconnected.

## **Body**

Structural integrity of the uni-body must be maintained.

Detachable steering wheel is allowed.

Pedal blocks for short drivers and those with disabilities must be pre- approved by MCDA Board of Directors and Track Manager.

Windshield must be stock glass or high impact acrylic Plexi-glass (Lexan) or equivalent. 2 each vertical supports are required for Lexan. Supports will be at least 18 inches apart and be made of a minimum of 1/8 inch X 3/4 inch angle. Cracks will be inspected by the official for safety.

Doors must be welded closed or securely bolted.

Stock appearing bumpers required, to include bumper covers.

Rear view mirror inside the vehicle is mandatory. Drivers and Passengers side mirrors are allowed but must not protrude out past the body line.

A tow cable or chain, both front and back, is required for all cars.

Rub bars 1"x 1" tubing with the ends tapered and capped may be used. Rub bars will not exceed 1 1/2" beyond the car skin. Commercial plastic rub panels may be used.

## **Tires and Wheels**

Stock wheels or Race Wheels. All 4 wheels must be exactly the same size and offset. No spacing/shimming of wheels is allowed. 13, 14, 15, 16" wheels are allowed, however, no mixing of 13, 14, 15, 16" tires.

Tires – No recaps, No made for racing tires. The use of tire softener is not permitted. Tire wear rating for 4 cylinder street class cannot be lower than 260.

All tires on the car must be marked at the beginning of the season, new and used.

One new marked tire per week or two used marked per week may be used.

For safety 1 inch or larger socket size lug nuts are strongly recommended.

## **Engine**

Engines are not allowed to be modified in any manner. Rebuilt engines must be to stock specifications.

Aftermarket air intake is allowed in factory location. After market exhaust is allowed in factory location.

Removal of pollution control components is allowed.

## **Exhaust**

The use of an aftermarket muffler is allowed but must meet the noise limit of 100 decibels, from a distance of 100 feet.

Exhaust, must exit pointed down and away from the fuel tank.

### **Steering and Suspension**

Shocks, struts, and springs alterations are allowed.

Modifications to the suspension only as follows: Maximum camber allowed is 1 1/2 inch measured from the bottom of the wheel bead area to the top of the wheel bead area with the diameter of wheels raced on. Camber is only allowed on right front. No ballast weight is allowed. The rear axle may be changed but should remain plus or minus 2 inches in width to the original.

Ride Height minimum is 5 inches.

### **Battery**

A battery box with cover or similar container securely mounted inside the car, behind the driver's seat.

Battery cage must be attached to the top of the car floor. Must be plated, with a minimum of 2" fender washers, top and bottom (to sandwich the floor and battery box).

May not lower battery cage through the floor.

### **Brakes**

All four wheel factory working brakes required. No functioning emergency brakes allowed.

### **Cooling System**

Radiator must be in stock position.

An overflow container mounted in the engine compartment. Minimum size is one U.S. Quart.

Water only in radiator, water pump lubricant is allowed.

### **Fuel Tanks**

Cars with in tank fuel pump must remain in stock position. Cars without the fuel pump mounted in the tank must have a fuel cell.

Cells must be securely fastened to the trunk floor with a minimum of two 1" x 1/16" straps in each direction. Bolted through the floor using double plates or installed in a safety construction frame. Cells shall not be mounted within 10" from the rear panel. Cells must be at least 11" from the track surface. Cells must be centered between the frame rails. No bottom draw cells.

A fire wall made of 16 gauge (minimum) weld able steel must completely separate the fuel cell/tank from the driver's compartment.

No rubber gas lines along or through the body. NO FUEL LINES THROUGH THE INTERIOR OF THE CAR.

### **Roll Bars**

A minimum of a 4 point race type roll cage, with driver's door protection and a halo bar is required. A 6 point cage is recommended. Main cage must be a minimum 1 3/4" in diameter with walls not less than .095 of an inch thick.

All mounting points must be welded to the frame, unibody. Any attachments to the unibody floor require a 4" X 4", 1/8" thick plate, to the top of the floor and the bottom of the floor. Sandwich the car floor. 1/2"

grade five bolts minimum. Two threads must come through and be welded. Along driver's door seal 4"x1/8" angle iron to attach roll cage to floor or door seal.

A four foot by 18" X 1/8" steel plate attached to the drivers' door is required or 4" past each door edge. The plate must be bolted and welded to the "A" & "B" pillar between the door and the roll cage. The bottom edge of the plate must be even with rocker panel. The driver's door may be cut to allow for 2 or more bars. Door bars must come out to the door skin and must be gusseted with two vertical support bars between each door bar. Material used must be weld able steel, a minimum of 1 3/4" diameter with wall not less than .095 of an inch thick. No pipe fittings, galvanized pipe or conduit pipe is allowed. All welding must be electric. All corner welds must be gusseted. Drill a 1/4" inch hole in left and right uprights for inspection purposes.

Roll Bar padding required by driver's area.

### **Numbers**

18 inch high by 2 inch wide numbers in a contrasting color are required on both doors and roof. Roof numbers must face the stands. In addition a 6 inch to 8 inch number in the upper right corner of the windshield.

### **Seat Belts**

Aftermarket 4 point seatbelts required. A 5 point harness is strongly recommended, ask other classes about used belts. Racing Seat highly recommended.

Window Nets are Mandatory and Mounted Securely.

### **Helmets and Clothing**

A minimum DOT approved, recommended SNELL 95 or newer helmet, no half helmet. Full eye protection mandatory.

Full coverage clothing from the wrist and ankle to the neck is required. Fire retardant suits are recommended for all drivers.

Leather work boots and leather gloves required at all times on the track. Racing gloves and shoes recommended. No athletic style shoes allowed. No mechanics gloves are allowed.

### **Fire Extinguishers**

Each vehicle must be equipped with a charged 2 pound minimum BC rated fire extinguisher, with a gauge, mounted in a quick release bracket within the reach of the driver.

### **Kill Switch**

Kill switch mandatory centrally located and painted safety orange. Master switch behind or along driver's seat easily accessible and visible so that the safety crew can reach it.

### **Safety**

Highly recommended to use a Neck Brace in Pure stock class.

## **\*RULES SUBJECT TO CHANGE.**

If a car is disqualified by these rules, entry fee will not be refunded

**Rookie drivers** will be required to put a strip of yellow tape on the rear bumper of the car, for their first year. The tape will be provided by the Marquette County Drivers Association.

Violations of these rules will be assessed penalties by the MCDA Board.