



**2024**

## **4 Cylinder Figure 8 Rules**

### **Rule Book Disclaimer**

The rules and regulations are designed to provide for the orderly conduct of racing events and to establish minimum acceptable requirements for such events. These rules shall govern all events, and by participating in these events. All participants are deemed to be in compliance with these rules and regulations. All rules are subject to the interpretation of the track officials. Any equipment that the officials consider exotic or not in the interest, or intent of the rules will be considered not legal for competition.

### **NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS.**

These rules are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant spectator official or others. The Race Director shall be empowered to permit minor deviations from any of the specifications or impose further restrictions that, in his opinion, do not alter the minimum acceptable requirements.

### **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATIONS OF SPECIFICATIONS.**

Interpretation of, or deviation from these rules is left to the discretion of the Officials. Their decision is final. It's the responsibility of the driver to ensure their car conforms to all rules and regulations at all times.

### **Explanation**

This division is designed to promote greater interest in stock car competition and to enable new and inexperienced drivers and owners to compete in their own class. It enables individuals with moderate means to participate without spending a significant amount of money for race equipment. Decisions and interpretations of the rules by Tech inspector shall be final. No changes from stock production automobiles to component parts except as listed in these rules are allowed. If it doesn't say you can, you can't.

“OEM” as used in this document is defined as Original Equipment Manufacturer. This is further defined as a part that meets all factory original specifications for the vehicle as it was sold new even if the replacement part is produced by a vendor other than the original vehicle manufacturer. “OEM fit”, OEM Compatible”, “OEM Replacement” or other similar descriptions are not necessarily a direct OEM replacement. Email [kevin@evergreenspeedway.com](mailto:kevin@evergreenspeedway.com) with any questions you have about specific cars or components.

## **1. COMPETING MODELS**

1. 4-cylinder USDM factory production car that meets the following specifications. Some cars that were available in limited production, were factory “race prepped” or are newer than 2001 are not within the intended scope of this class. Please contact the track before investing time and money into a build to be sure the car you are choosing is allowed.
2. Maximum factory advertised wheelbase of 106.5"
3. Must carry a EPA class designation of "Compact" "Minicompact" or "Subcompact" Search online if you are unsure of your car's class
4. No cars with rotary engine, turbocharger, all-wheel drive, 4-wheel steering, supercharger or other factory performance enhancements are allowed. This subsection is intended to cover all factory performance parts including but not limited to headers, LSD differentials, Adjustable suspension parts. These parts are not within the intended scope of this class. Parts that were available only on limited production trim levels and/or were not available is the USDM are not within the intended scope of this class.
5. No Ford Fairmonts
6. Cars that don't meet the above criteria that have been allowed to run at Evergreen Speedway in the 2021 race season will be grandfathered in. Possibly with penalties NO NEW BUILDS. This exemption only covers the competing model's section 1 of these rules.

## **2. BODY AND CAR PREPARATION**

1. Interiors of cars must be stripped of all flammable materials. OK to leave factory gauge cluster in. No cockpit style interiors allowed.
2. All exterior molding, trim and lighting must be removed
3. All glass except the front windshield must be removed. Windshield may be replaced with 1/8" Lexan. Lexan must be securely attached and have two vertical braces in the center of the windshield. Braces must be securely attached.
4. Steering wheel may be replaced with a quick release style. Highly Recommended.
5. Pedals must remain completely stock for make and model of car.
6. Dashboard optional. If metal part of dash is modified or removed, a dash bar must be installed. Dash bar must run over the top of the steering column.
7. All insulation under the hood must be removed
8. Battery must be securely fastened. May be relocated to passenger compartment. Must be fully enclosed in a battery box. Box must be securely mounted to floor or cage.
9. Battery master disconnect is required. Must cut all power to electrical system. Must kill the engine when switched to the off position.

10. Roll Over Protection.
  - a. A full Driver's compartment roll cage is required. See acceptable designs listed below.
  - b. Cages must be built out of 1 1/2 "or 1 3/4" ERW or DOM Tubing. Min wall thickness of .095
  - c. Overhead welds and door bars must be gusseted
  - d. Cage legs to vehicle contact points must be reinforced with a minimum of a 4" x 4" by 1/8" thick plate. Gusseting recommended
  - e. Driver's door bars must be covered with a minimum of 11-gauge magnetic steel sheet.
  - f. Outside door bars are allowed on caged cars but must meet the following criteria.
    - a. They must be flush mounted to the body
    - b. They must be tapered and/or capped on each end.
    - c. They cannot be tied into the roll cage in any way.
    - d. They must extend in front of the A-pillar and behind the B-pillar
    - e. They must be bolted through the body as close to the ends as possible with backer plates
11. Bumpers must be stock, in stock location for the make, model and year of car being raced or the spec bumper. See below for acceptable spec bumper design.
12. Any metal body, frame or unibody pieces that are cut out for damage repair must be replaced with metal of the same thickness. No reinforcing.
13. Repairs to core supports, radiator mounting points, bumper mounting areas etc. Must be done with materials similar in strength to factory. Box tubing frames that connect the frame horns together and strengthen the nose of the car will be dealt with on a case-by-case basis. Tech Officials may require cutting, drilling or material removal. Their decision is final
14. Car numbers on doors must be at least 16" tall and must be easy to read from the tower. Roof number must be at least 22" in height. Use contrasting colors for your numbers. No Chrome. If we can't read your numbers from the tower, you will not be scored.
15. All doors must be welded, chained or bolted shut.
16. It is encouraged to build fan recognition of drivers that cars be painted neatly and brightly.

### **3. FUEL SYSTEM AND ENGINE CONTROLS**

1. Stock carburetor or fuel injection for Make, model, and year of car being raced. No modifications allowed
2. Factory gas tank may be used as long as it remains mounted in its factory location AND is located ahead of the rear wheels. Racing style fuel cell highly recommended for all cars.
3. Racing style fuel cell is required for any car that doesn't meet section 2. above.
4. Fuel cells must be covered, secured, and located in the trunk area.
5. Electric fuel pumps located outside of the fuel tank must be firewalled from the driver's compartment.  
High pressure fuel lines must be used. Fuel lines must be double clamped.
6. ECM and wiring harness must be stock for the engine being used. No modification, programming, flashing etc.

#### **4. ENGINE, TRANSMISSION, EXHAUST AND WEIGHT**

1. Engine must be a stock replacement for Make, model, and year. JDM replacement engines must be declared to Tech before competing in any event. JDM engines will be handled on a case-by-case basis and penalties may be assigned.
2. No Added weight unless required by Stateline Speedway Tech. Location will be determined by Tech Officials
3. All added weight must be secured to the car with a minimum of (2) 1/2 "Grade 8 bolts with backing plates if needed.
4. All added weight must be in 5 lb. minimum blocks, painted white and have the car number on it. 5. No modifications from factory components other than those required for repair to factory specs. No boring of cylinders. Head surfacing allowed. Compression ratio must stay within 2 tenths of factory advertised ratio.
6. Transmission must be stock for make, model and year of car being raced. Cars with factory LSD style differential must be declared at tech before competing in any event. Weight penalty for LSD differential is 300 lbs. NO AFTERMARKET LSD ALLOWED.
7. Rear wheel drive cars must run stock unaltered rear end for the year, make & model. 8. Stock style muffler is mandatory. Universal mufflers, such as the Walker 17881 are allowed. 1 3/4" maximum pipe size. No cherry bomb style mufflers allowed. Exhaust system must exit out the rear of the car. Must be securely mounted. This rule is intended to make the cars exhaust close to the factory sound. Tech will make the final decision on whether the noise level from the car is acceptable. Their decision is final and refusal to comply will result in not being allowed to race.

#### **5. SUSPENSION**

1. Camber on any tire is not to exceed 3/4" from vertical as measured by officials.
2. Minimum ride height without driver is 5". A 5" wheel must be able to be rolled anywhere under the car. Exhaust is the only exception.
3. No modifications to any steering components allowed.
4. Springs must be OEM for the Make, model and year of car. No aftermarket or rated springs allowed. No rear springs in the front and no front springs in the rear.
5. Must run stock or direct OEM style replacement struts and/or shocks. Must be bolted on as the car came from the factory. No Spacers or shims.
6. No Bump Stops, Factory or otherwise that limit suspension travel.
7. Front and rear strut tower braces are allowed. Homemade strut tower braces are allowed. Must be a single brace made from a maximum of 1 1/2" tubing.

#### **6. TIRES AND WHEELS**

1. Any manufacturer's DOT approved passenger car tire that meets the following criteria:
  - a. Must be 60 series or larger.
  - b. Must be 400 or higher treadwear.
  - c. Speed rating of H or less.

- d. Be commercially available for purchase for less than \$95.00 each including shipping. Excludes closeouts, discontinued or other discounts not available to all racers.
- e. Each tire must have tread showing across the complete face of the tire.
2. No tire softener allowed.
3. Factory wheels only. Maximum 6" width.
4. No wheel weights allowed.
5. No wheel spacers allowed.

## **7. SAFETY**

1. Racing style seat is mandatory. No stock seats
2. Seat must be securely mounted. NO sliding mounts allowed
3. 5-point racing style harness in good condition required. Subject to tech.
4. Fire rated driver's suit is required. Multi-layer suits with racing gloves and shoes highly recommended. 5. Snell SA2010 approved or newer full-face helmet is required. **Snell SA2015 or newer will be required for the 2024 season.**

## **6. HEAD AND NECK RESTRAINT DEVICES**

- a. It is strongly recommended that at all times during any event (practice, qualifying and competition) drivers must connect their helmet to a NASCAR approved head and neck restraint device system.
- b. The head and neck restraint device/system when connected must conform to the manufacturer's mounting instructions and it must be configured, maintained and used in accordance with the manufacturer's instructions.
- c. Head & Neck restraints must be dated by the manufacturer and must not be used beyond five years after the manufacture date. Recommend replacement or recertification after three years d. **IT IS THE RESPONSIBILITY OF THE DRIVER, NOT STATELINE SPEEDWAY, TO ENSURE THAT HIS/HER DEVICE/SYSTEM IS NASCAR APPROVED AND CORRECTLY INSTALLED, MAINTAINED AND PROPERLY USED.**
- 7.
8. Driver's door window net is required. It must be SFI approved and in good condition. Must be securely mounted on the bottom and have a quick release latch at the top.
9. Must have a fire extinguisher mounted in car within easy reach of the driver. Must be secured properly. No zip ties, straps or tape holding it in.

## **8. GENERAL**

1. No in car communications systems (radios, cell phones etc.) unless required by Evergreen Speedway Officials.
2. Raceceivers tuned to the track frequency are MANDATORY
3. All cars are required to run a scoring transponder any time the car is on the track including all practice sessions.

Cages must be built out of 1 1/2 "or 1 3/4" ERW or DOM Tubing.

### Option 1



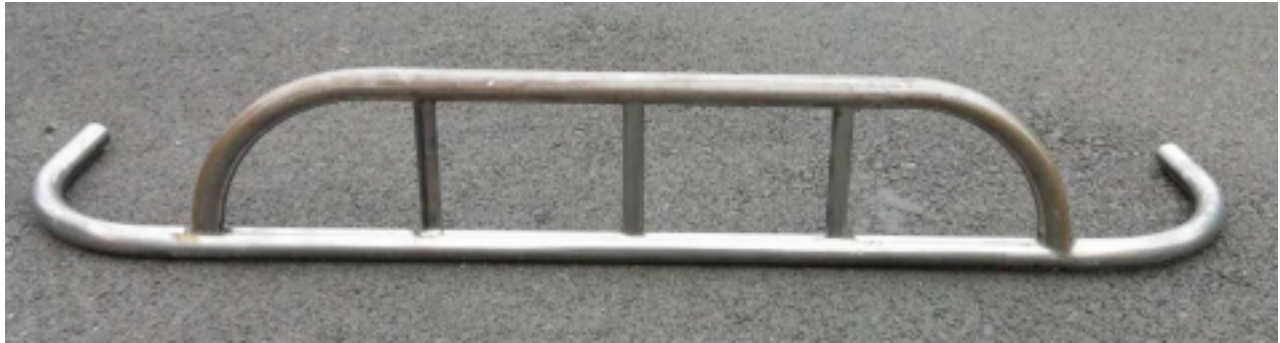
Door bars and overhead welds must be gusseted.

### Option 2

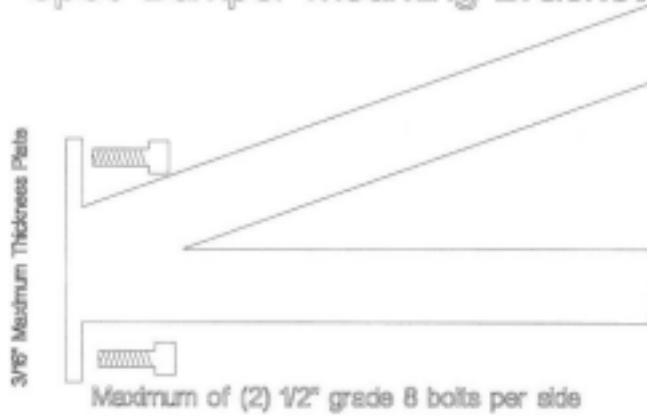


Door bars, passenger side "X" and overhead welds must be gusseted.

Spec Bumper is to be made from 1 ½" .095 Round Tubing Only.



### Spec Bumper Mounting Bracket



(1) Bracket per side of the car. Wrap around bars may circle around and be welded to the frame horn. No other bracing is allowed. Mounting bracket must also be made of 1 ½" x .095 round tubing

**It is the responsibility of the driver to ensure their car confirms to all rules and regulations at any time while on the racing surface or anywhere on premises. This includes practice, qualifying and competitive racing.**