



Fuel Injected Rulebook
2021

The following rules are for the Fuel Injected class for the 2021 race season.

Interpretation of, or amendment to these rules may be made at any time.

The rules and, or regulations set forth herein are designed to provide for orderly conduct of racing events and to establish minimum acceptable requirements for all such events. These rules shall govern the conditions of all events; all participants are deemed to have complied with these rules. No expressed or implied warranty of safety shall result from publication of, or compliance with these rules and or regulations. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to participants.

Two way radios allowed for safety, spotters must be on the top two rows of the pit bleachers only. Anyone caught blocking will be black flagged and have radio privileges revoked.

Minimum age to race is 14. You must be 14 years of age to race any class. Any driver under 14 must have track approval.

EACH DRIVER AND CREW IS RESPONSIBLE FOR KNOWING THEIR RULES AND TRACK POLICIES!

1. **General Overview**

- a. Each driver and crew is responsible for knowing the track policy.
- b. All cars will be inspected for safety and rule compliance.
- c. If your car is disqualified by these rules, your entry fee will not be refunded.

2. **Vehicle**

- a. Vehicle body must be a stock passenger type with complete factory
Appearing body and top. No convertible style bodies allowed.

3. **Weight**

- a. No minimum weight currently.

4. **Body**

- a. Body panels must be fabricated from a minimum of 22-gauge steel
 - b. Resemble the factory stock panel.
- c. Full width windshields are required.
- d. Rear quarter windows or opera windows may be Plexi-glass or glass with window glass cover for safety, or taped.
- e. Firewall must be stock or fabricated "Footbox" 18 gauge minimum.
- f. All holes in firewall must be covered and must seal engine area from driver.
- g. A rear firewall must seal the trunk area from driver compartment.
- h. An 1/8-inch steel pan plate from the rear of the driver's seat to the heel area of the firewall must be welded in.

- i. Front and rear wrecker hooks, loops required.
- j. An outer rub rail next to the body is permitted and is to be flush mounted only. Metal rub rails are to be 1 inch square maximum with tapered ends.

5. Chassis, Roll Cage and Framework Structural Additions

- a. Roll cage material used must be a minimum of 1 ¾ inch in diameter with walls not less than .095 inch thick. Cars must have 8 point perimeter roll cage (no offset roll cages allowed)
- b. Must have three door bars minimum on left side with plating between them. Door bars must have some type of cross brace installed between roll cage uprights. Steel plate on left door side mandatory, 1/8 inch post to post top to bottom.
- c. All corner welds should be gusseted.
- d. Foot and leg protector bar from behind left front wheel to left front roll cage post is recommended.
- e. Ballast: all ballast (extra weight) added must be painted white and securely fastened into car with car number clearly marked on weight.

6. Suspension

- a. stock front lower control arm, any spring and shock
- b. Sway bar bushings may be plastic.
- c. The use of “weight jacks” is allowed on rear axle. Adjustable spring on front allowed.
- d. Lower control arms: front suspension lower control arms must be stock and mounting locations cannot be moved.

7. Cooling system

- a. General: a catch can is mandatory, no antifreeze is permitted. After market water lubricant is allowed.
- b. Radiator: any type allowed.
- c. Water pumps must be mechanical driven.

8. Steering

- a. General: Steering must be in typical stock arrangement and location.
Hiem Joints are allowed for steering components.
- b. Safety: the steering wheel should be padded. A collapsible steering wheel shaft is suggested.

9. Tires and Wheels

- a. General: no shimming allowed, the use of tire softener is not permitted, no air bleeders allowed.
- b. Wheel lugs and studs: longer and oversized stud bolts are recommended.
- c. Tires: approved racing tire is Hoosier D800.
- d. Wheels: racing wheels required on ALL sides, maximum 8 inch wheel.
- e. First day the car races, all four tires either new or used must be marked by the Sands Speedway inspector.
- f. After the first time the car races you can get only one tire a week marked,
- g. The car must race on the tires that the car uses for time trials for the full race day. Flat tires during the race day may be replaced with approval of inspector, with any tire that was previously marked unless it was the first day the car races. No unmarked tires can be used unless approved by inspector.

h. If you are not buying a new tire get a used tire marked for possible use in the future.

10. Brakes

a. all four brakes must be in good operating condition, drum or disc brakes.

11. Fuel

a. Gasoline only! No alcohol based fuels.

b. No fuel line may be exposed in the driver's compartment.

c. No nitrous oxide.

d. No cool can.

12. Power plant

a. must be stock internal parts.

b. no dry sump system

c. engine location must be in stock position.

d. exhaust-any exhaust under 100 disciplines-no side outlets

13. Drive Train

a. Transmission: Any stock transmission must have forward and reverse in working order, automatic transmission must have stock appearing torque converter.

b. Clutch and pressure plate must be a minimum of 10 inches in diameter. No multi disc clutches allowed.

c. Drive shaft: must be painted white for safety. A safety loop is required, on the first quarter of the drive shaft.

d. Rear End: stock rear end in stock position OEM or Ford style 9 inch.

Locked rear ends will be permitted. No quick changes.

14. Electrical

- a. Battery must be securely installed.
- b. Kill switch mandatory, centrally located.
- c. Master switch behind or along driver's seat easily accessible and visible so that the safety crew can reach it.

15. Safety

- a. Window net mandatory on drivers' side.
- b. Seat Belts/Safety Harness: Tech official approval required on mounting of belts and seats. A head rest is required.
A aluminum racing seat is mandatory.
Lap belts and shoulder harness must be a minimum of three inches wide.
Crotch strap is required.
A date tag is required on all seat belts, condition approved by inspector.

c. Driver Safety apparel

Helmet: at least a Snell 95 rated helmet.

Eye protection either visor or goggles are mandatory.

Complete fire suit: highly recommended a 2-layer, SFI-5 fire suit.

Fireproof gloves are mandatory, Highly recommended Nomex racing Gloves.

Footwear: boots or racing shoes required. Racing shoes are highly

Recommended. No athletic type shoes accepted.

d. Fire suppression/ Extinguishers/Requirements

- a. Extinguishers of dry powder of at least 2 lbs., full and in operating condition.

- b. Must be mounted in all cars within drivers reach and that of safety crew.
Mounting must have quick release.

