



South Bend Motor Speedway

25698 State Road 2

South Bend, IN 46619

## **2019 South Bend Motor Speedway Front Wheel Drive Rules**

**IF YOUR NOT LEGAL THE FIRST NIGHT YOU DON'T RACE**

**ALL FWD CARS MUST WEIGH 2200LBS BEFORE THE FEATURE**

**ANY CAR WITH A HONDA K SERIES MOTOR MUST ADD 200LBS IN THE RIGHT SIDE OF THE COCKPIT**

### Safety Rules

Minimum of a neck brace is required in all classes at any time you are on the track

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### Body

- A. Any manual or automatic 4 cylinder front when drive or any 6 cylinder front when drive with an automatic transmission can be used. Exceptions – No convertibles, No trucks, No turbo or super charged engines, No multi carbs, No rotary engines, No mid or rear engine cars and No Cosworth engines. Factory stock fuel injection only.
  - B. All rear and side glass must be removed, all windshields to be stock or Lexan. All cars must have full windshield. Side and rear windows can be replaced with clear Lexan.
  - C. All exterior chrome, trim, molding, mirrors, and lights must be removed.
  - D. All door panels, carpet, headliner, plastic, upholstery, and any other flammable materials must be removed. All springs and latches must be removed. Dash pad can be replaced with a homemade style dash.
  - E. Any aftermarket stock appearing nose is OK. No wedge style noses.
  - F. Fully charged and properly mounted fire extinguisher is mandatory; 2lbs minimum, within drivers reach.
  - G. Spoilers 5" centered on the car and no higher than 42" measured from the ground.
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### Roll Cages and Miscellaneous

- A. Roll bar over drivers head required. Cages or bars shall be installed and constructed so the B hoop is higher than drivers and passengers head. Cage or bar must be mounted to the floor pan. A 12"x12" (Appox.) steel plate should be used at hoop mounting points, gussets at main intersections recommended. Door bars are mandatory.
  - B. Front/rear bars – You are allowed to run up to 1 3/4" dia x .090 bars down to the rear struts off the back of the main cage as well as between the rear struts. You are allowed to run up to 1 3/4" dia support bar between the two front strut towers. We are allowing the placement of front and rear bars solely for the purpose of safety and to try to keep the rear of the car from folding up so easy. Maximum or any tubing size with be 1 3/4" round or square; there will be no 3" or 4" channel. The rear bars may extend rear-ward from the top of the cage behind the driver, angling down towards the rear trunk area. You are allowed to have one 1 3/4" x .090 piece of tubing run between the two front frame horns of your car. This bar will be back from the front edge of the frame horn so it won't be mistaken as a support bar for your bumper. This bar is intended to keep the frame horns in place and to assist with the mounting of your radiator.
  - C. We suggest having a piece of tubing welded flat on the trunk floor, back near the kick-up of the very rear of the trunk area. This is the material that your rear bars will attach to, no bars of any kind will extend out through the rear of your trunk area; any bars out past this point will need to be cut before racing. You may have an X in between your diagonal bars.
  - D. Minimum of 4 point aftermarket full race harness is mandatory! Does not have to be date checked but must be in good condition. Aftermarket racing seat is mandatory, it must be mounted properly. No fiberglass seats allowed.
  - E. Window nets are required
  - F. A secure towing device (hook, cable, etc.) must be installed both front and rear. Securely fastened and located so as not to be a hazard in the event of contact.
  - G. Eye protection and gloves are also MANDATORY!
  - H. Full fire suits are MANDATORY
  - I. Helmets to be Snell SA-95 or newer required, Snell SA-2000 recommended.
  - J. Two way radios are not allowed. No mirrors of any kind allowed.
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#### Engine Drive Train

- A. Complete stock motor and motor must match same make of the car (Honda-Honda, Dodge-Dodge, etc.) You may remove excess wiring and sensors at your discretion. Aftermarket header is OK.
- B. Batteries must be securely tied down and/or relocated and mounting tray reinforced. Batteries may be relocated, however, they must be securely fastened and within a completely enclosed battery box, preferably metal with metal retaining bar. Box and battery must be installed in a safe and responsible manner.
- C. Stock, unmodified transmission and transaxle, as manufactured and delivered. With working forward and reverse gears.
- D. A complete and leak free exhaust system with a maximum size of 2" O.D., run from engine to an area behind the driver and must include stock muffler is mandatory. MUST EXIT UNDER CAR OR OUT THE REAR OF CAR. Removal or gutting of the catalytic converter allowed. Loss of muffler will be grounds for black flag. Sound limit 85 dba.

- E. Any radiator allowed which will fit in stock brackets. 180 degree fan shroud required. An overflow container mounted in engine compartment. Water only in radiator; no anti-freeze.
  - F. Cars without the fuel pump mounted in the tank must use a cell or marine type tank mounted in the trunk. Stock tanks are allowed if mounted in the front of rear axle. Cells are recommended and can be mounted to the trunk floor or in a built cage. Bottom feed cells are OK only if mounted to stock floor pan. Tanks must be securely fastened to the trunk floor with a minimum of two, 1" x 1 1/16" straps in each direction, bolted through the floor using double plates or installed in a safely constructed frame. Tanks shall be mounted 10" from rear of the back panel and 8" off the ground or beyond the frame rails. (cell required on wagons). Cars equipped with electrical fuel pumps must install a toggle type switch clearly marked at the base of the drivers pillar. Adjust coil over sleeves with stock type strut only. No adjustable coil over shocks.
  - G. Any fuel allowed except alcohol.
  - H. Steering and suspension shall be stock only. Absolutely NO modifications other than listed below, Ride attitude must be maintained at all times. No sway bar rule. Cutting springs down or using progressive aftermarket stock style springs are OK, however, this must be kept to a minimum and will be policed to ensure no one car dominated because of it. Must have stock struts and non-adjustable shocks. Spring rubber are OK.
  - I. Minimum 18" high numbers in a contrasting color are required on both doors AND on the roof of the car as well as a 4" high number on the upper left or right side corner windshield.
  - J. Cambering of front wheels is allowed but you can not alter the stock suspension parts to do it. What you get with stock parts is what you race with. Aftermarket OEM replacement struts that have the camber adjustment already built in are OK. Open camber rule. Maximum of 1/8" difference front to rear (comparing left side to right side) on wheel base measurements. (In other words 1/8" max lead in the rear end.)
  - K. All cars must measure the same track width across the front axle and across the rear axle. (all wheels must be in line with each other front to back) No toeing of rear wheels at all in any direction. Rear tow must be zero!!!
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### Tires/Wheels

Stock type tires only. 165-195 60/65/70 13" or 14" or 15" D.O.T. approved tires only. Offset need to be the same front to rear but can be different from side to side. No grooving, capping, or soaking of any kind allowed. 2/32 tread in two groove rule applies on RIGHT FRONT ONLY. Rims shall be 15" diameter or smaller but must all be the same size rim. Oversized lug nuts OK. Right front racing type safely wheels are mandatory, the other wheels can be racing wheels or stock. No made for racing tires, PERIOD! Nothing less then 400 tread wear.

### Miscellaneous

The interpretation of these rules is at the discretion of the track officials. Safety rules will be strictly enforced. Do not change things on cars in this class other than directed above! You should

assume cars will be raced as delivered from the factory with the few changes listed above. You must be 14 years old to race in this class and consent forms from both parents signed prior to racing. At this age you will be asked to attend practice nights to be eligible to race on Saturdays

ANY INTERPRETATION OR CHANGING OF THESE RULES IS AT THE DISCRETION OF THE OFFICIALS. THEIR DECISION IS FINAL!

ANY MAJOR INFRACTION OF RULES WILL BE ASSESSED AS A FORFEITURE OF POINTS AND MONEY'S EARNED FOR NIGHT.

HEAD AND NECK RESTRAINT SYSTEMS HIGHLY RECOMMENDED!

BE PREPARED TO BE CHECKED FOR ANTIFREEZE EVERY WEEK BEFORE PRACTICE. IF CAUGHT DURING OR AFTER A RACE WITH ANTIFREEZE COMING OUT OF YOUR CAR YOU WILL BE FINED, DISQUALIFIED, AND FACE SUSPENSION.