



Pure 4 Rules - 2022

This class is intended to be an entry level racing class. Any component not listed in these rules must be completely stock. Any and all modifications must be approved by Track Officials. Rules may be amended at any time during the season in the interest of fair competition.

Rule Deletions are ~~struck through~~, Rule additions are highlighted

15-1 General

- A. Two-way radios are permitted and highly recommended.
- B. Raceceiver mandatory, either driver or spotter must monitor Raceceiver frequency.
- C. Minimum age for Pure-4 is 14.
- D. Drivers must supply Track Officials with the car's engine numbers, proof of horsepower, computer numbers, and transmission numbers. (e.g. Manual for make of car running.) Form provided by track.
- E. All cars must have tow hooks or chains in the front and rear.
- F. Computers may be claimed for \$50. Top 5 positions and on the lead lap only can be claimed. Claim must be made in writing within 20 minutes after completion of race. If claim is not complied by, track will confiscate computer. Track will imply fine and or suspension.
- G. 93-octane pump fuel only permitted. Racing fuel is permitted. No ethanol/E-85, no alcohol, no additives.
- H. After 2nd consecutive win, driver and car will start mid pack (if 20 cars will start in 10th place). After 3rd consecutive win, driver and car will start in rear.
- I. Per General Rules Section 6 – This will be measured from the center line of the rear axle. This has been a rule for many years prior

6-2 Transponders The Speedway requires the use of transponders. Transponders must be mounted on the back side of the right-rear axle in all divisions except Pure 4. Pure 4s must have their transponders mounted back 12 inches (one foot) from the right-rear tire.

15-2 Competing Models

- A. 1972 to present four-cylinder passenger cars (sedan type) or trucks are permitted. Must have been manufactured with front and rear seats – two-seaters are not permitted.
- B. Mid-engine, rotary engine, and/or turbos and superchargers are not permitted.
- C. Four-wheel drives are not permitted.
- D. Four-wheel steering or rear steering is not permitted.
- E. Automatic or manual transmissions are permitted.

15-3 Weight

- A. Base weight is 2310 lbs. for engines up to 110 horsepower (HP). Cars over 110 HP will be
- B. required to add weight using the weight formula. Weight formula: After 110 HP, 11 lbs. will be
- C. multiplied for each HP over and added to the base weight to determine final weight. (Ex. 125
- D. HP will be (125 HP - 110 HP) = 15 * 11 = 2475 lbs.)
- E. Right side weight must be 45% of total weight.

- F. Horsepower and weight must be placed on the passenger side of the windshield in 3-inch letters. Must provide proof of horsepower.
- G. ~~Must claim max HP for engine family (e.g. Honda F22a 140HP, Toyota 3S FE 128HP, GM LN2 120HP, Ford LN23 105HP)~~
- H. Track Officials ruling on all horsepower ratings will be final.
- I. All added weight must be securely fastened to car with at least 2, ½ inch, grade 8 bolts with a metal strap on the top and bottom. All weight must be painted white with the car number on weight. Any car or truck losing weight will be subject to fine or penalty.
- J. Weight may be adjusted in fairness to competition.
- K. Fuel burn-off – 1/2 pound per lap.

15-4 Engine

- A. Only stock four-cylinder engines are permitted. Must remain stock for make of car or truck (e.g. Honda to Honda, Toyota to Toyota, etc.). Toyota – 3SFE,1ZZFE. Honda F-22A1, B-20A5.B20A3, A-20A3. No switching of internal or external parts.
- B. No Frankenstein engines, Head family must match block family. (e.g. f22 block must have f22 head, 3s-fe must have 3s-fe head,
- C. Intake manifold, throttle body, fuel injectors, internal parts, cam gears, and ECM must match engine and engine revision being claimed.
- D. 160 maximum horsepower (HP).
- E. NO porting and polishing of any type on any engine parts.
- F. Surfacing of the head allowed but must remain within factory service tolerances.
- G. Boring of engine block will be permitted.
- H. Any and all internal engine parts must be operational (example: counterbalance shaft).
- I. No modifications of computers. Track has the right to confiscate and computer and have it inspected.
- J. Block Guard/Sleeve Savers allowed

15-5 Fuel System

- A. Fuel injection or carburetor fuel system is permitted. Must be as manufactured. High performance carburetors or injectors are not permitted. Carburetor must be stock for vehicle with no modifications.
- B. Fuel injected engines must have fuel pump safety cut off switch.
- C. Fuel cell is permitted.

15-6 Exhaust Systems

- A. No aftermarket headers. Header permitted must be stock for car.
- B. No header coating or wraps
- C. No performance enhancing exhaust permitted.
- D. The maximum exhaust pipe size is 2 ½ inches.
- E. Dual exhausts are not permitted.
- F. Exhaust must exit behind the driver.

15-7 Transmission

- A. Transmission must be stock for vehicle. Honda to Honda, Toyota to Toyota, etc. MUST run stock clutch.
- B. High performance parts are not permitted.
- C. Stock flywheel only. No lightening. May be surfaced only must remain within factory tolerances.

15-8 Air Cleaner

- A. Aftermarket air cleaner will be permitted.
- B. A two (2) inch maximum opening is permitted at the headlight cover or nose piece. Duct work and filter must cannot extend passed the radiator support and must be inside the engine compartment.

15-9 Bodies

- A. Aftermarket noses may be used. Must be similar in appearance to stock parts. One continuous bumper bar only.
- B. All glass must be removed. A full Lexan windshield is required.
- C. All exterior lights must be removed.
- D. Stock or fabricated dash is permitted.
- E. Rear spoiler maximum of five (5) inches is permitted. Spoiler must not be wider than deck lid.
- F. Inner fenders may be removed in front of the shock towers on the front end of the car only.
- G. Fenders may be cut for tire clearance. May be fabricated to look stock for make and model. Must be rolled for safety. No sharp edges.
- H. Firewalls and trunk area must remain stock. May be altered for fuel cell.
- I. Aftermarket hood is permitted – must be securely fastened. Fiberglass or steel only. No gaps. May need taped down at tracks discretion.
- J. Inner doors, hood, and trunk lid may be cut out.
- K. Door skins may be aluminum or steel.

15-10 Safety

- A. Roll cage – Minimum four (4) point cage constructed 1 3/4-inch, .095 tubing.
- B. Roll cage should have two (2) down bars from the top of cage through rear firewall to rear of car.
- C. Roll cage should have four (4) door bars on left side with door plate of minimum 1/16-Inch thick steel.
- D. Right side should have at least three (3) door bars or an X bar.
- E. Any car with 1 ½ inch roll cage should have 1/8-inch door plate and 'Petty bar'.
- F. 2 support bars may extend through front firewall and to the radiator.
- G. Racing seat must be an approved seat and should be properly mounted to seat frame. Seat should not be attached to the floor pan.
- H. A 5-point racing harness should be used. Must be within 3 years of date of manufacturer.
- I. All cars should have a working fire extinguisher.
- J. Fuel cell may be used. Must be securely mounted centered in trunk area.
- K. No fuel line in driver's compartment.
- L. Quick release steering wheel coupler must be used.
- M. A window net must be used. Window net must release at the top.
- N. All cars must be equipped with safety switch on fuel pump, (either ecm controlled or other type of safety switch, fuel pump must shut off if the engine stops running.)

15-11 Suspension / Wheelbase

- A. Suspension must be stock.
- B. No adjustable coil overs, no adjustable shocks or struts. (~~\$50 per shock or strut claim rule on all shocks and struts (bare strut or shock only, mounts, springs, etc. not included with claim. Top five positions and on the lead lap only can be claimed. Claim must be made in writing within 20 minutes after completion of race by driver only must be signed.)~~)
- C. Drilled and Slotted rotors are permitted.
- D. Springs may be cut or heated.
- E. Spring rubbers are permitted.
- F. Racing springs are permitted.
- G. Wheelbase must be stock for car and must match side to side. ½ inch difference is allowed.
- H. Rear adjustable control arms **tie rods** permitted.
- I. Factory control arms may be cut or lengthened.
- J. Adjustable sway arms permitted. No heim joints.
- K. Adjustable camber/caster balljoints allowed**

L. Camber Plates allowed on cars with no factory upper control arm, Camber Plate must be welded as to not allow quick adjustments.

M. Camber Plates NOT Allowed on cars with factory upper and lower control arms.

15-12 Rear End/Differential

- A. Locked differentials are not permitted.
- B. Positive-traction differentials are not permitted.

15-13 Tires / Wheels

- A. Legend approved tires Federal, Hoosier, or 380 tread wear rated tires only. All 4 tires must be same size – 60 series.
- B. No mixing of tires, all four tires must match.
- C. Wheels may be stock or 7-inch racing wheel. All 4 wheels must be the same offset. The offset must be 3 inches or higher number.

15-14 Electrical

- A. Battery – Must be enclosed in sealed box securely mounted to the floor pan.
- B. ODB1 engine must have ODB1 ecm, ODB2 engine must have ODB2 ecm.
- C. If running ODB2 engine with ODB2 ecm, ODB2 diagnostic port must function
- D. Modifying or altering – in any way – of the car's computer and programming is not permitted.

15-15 Rules

- A. Rules may be adjusted at any time for competition purposes.
- B. Everything else must remain stock if not specified.
- C. Anything not listed in the above rules will remain at tracks discretion. No exceptions.