2027 Pure Stock Rules

This series is created for the people who want to give racing a try and for those who used to race and found it too costly to keep up with the big money teams, who want to have fun and not have it cost a fortune to race. The intent is for an inexpensive but safe racecar. ***No aftermarket or high-performance equipment is allowed except for driver's safety.*** The Star Tech Staff has the final say on what may be inappropriate for the class. If there are any questions about the legality of any part, please contact Tech Officials before you buy. Eligible Cars should be constructed from running vehicles in relatively good condition which would include front wheel drive 4 cylinder automatic or standard models that are 10 years old and older. NO convertible, pickup truck, SUV, four-wheel drive, or special high-performance vehicles are allowed. **Engines and Drivetrain MUST REMAIN STOCK.**

PLEASE READ 2027 RACE DAY PROCEDURES AS THEY WILL BE HIGHLY ENFORCED!

All Cars Must Always have a working Transponder! Transponders must be 8" behind the Centerline of the Rear Tire.
All Drivers Must Always have a working Raceiver on at all times, including practice.
Failure to do so will result in a black flag.
All Drivers must have a valid 2027 Star license and car registration on file.

1. Bodies

A. Car must have a full width dash, may use stock dash.
B. Car must have a safety kill switch on the left side of dashboard (Negative side of battery).
C. All doors must be welded shut.
D. All outside trim must be removed; Door handle holes must be covered with sheet metal.
E. All glass must be removed – headlights and taillights, reflectors, including all windows, regulators, and door locks. Front windshield may remain stock or be replaced with Lexan. NO REAR OR SIDE WINDOWS
F. All air bag sensors and air bags must be disarmed for safety purposes.
G. All cars must have a VIN number.
H. All the interior/trim panels must be removed; this does not allow removal of the metal inner panels; the only exception would be the removal for cage door bars. Firewall between the passenger and trunk area must be covered with metal. If inner metal panels are removed for other than door cage bars, a weight penalty will/could be added up to 25lbs. A higher weight penalty, if necessary, may/could be added if tech determines that an extreme amount of material was removed for lightening purposes and not just for cage construction.
I. Drivers side metal interior door panel may be removed for cage purposes only.

J. No cutting of exterior sheet metal: fenders, bumpers, trunk, etc. Only the front hood inner panel may be removed.
K. Everything about the vehicle must remain stock for the year, make and model of vehicle being used. Except for what is permitted or required in this rules package, configuration, set-up, and running gear including motors, transmission.
L. Rub rails are allowed between the front and rear tires only, maximum one inch square tubing, mounted flush to body with ends angled in towards body. NO sharp edges. If found then you will be made to remove before racing.
M. No differential gear changes allowed.
N. No locked differentials allowed.
O. No performance computer chips or computers allowed
P. NO MIRRORS OF ANY KIND ALLOWED

2. WHEELBASE

A. Cars must maintain ½" Wheelbase from Left to Right Side.

3. ENGINE

A. Must be 4-cylinder, fuel-injected motor models, stock for year and make and model of car being used (Completely Stock). Engine size and Transmission must be for car (will be checked by VIN code). No Turbo or Superchargers allowed.
B. Engine will only have water in the radiator. Engines will be free of oil leaks and fluid leaks.
C. No Interchanging of Engines or Engine Components.

4. EXHAUST SYSTEM

A. Stock headers or high-performance exhaust manifold may be used, ONLY if the car came shipped from the factory with that equipment. Stock exhaust pipe should extend from the manifold to the flange of the catalytic converter.
B. The catalytic converter needs to be removed.
C. Cars must have mufflers. Mufflers and pipes must be firmly attached to the bottom of the car.

5. ROLL CAGE

A. All cars must have a four-point roll cage constructed of 1¾" outside diameter X .095 wall steel tubing. The roll cage shall consist of 4 vertical upright bars connected at the top on all sides and shall be adequately cross braced. The base of the upright members shall be solidly welded to the frame of the car. Four curved door bars on the left side and three curved or straight door bars on the right side are mandatory. The roll cage members must closely conform to the window/door/roof contour and not be readily apparent when the car is viewed from the side. Offset cages are not allowed.
B. Forward bars attached to the main cage can only go to the strut tower. Minor front bracing for protection of the radiator is allowed. Hoops may come through the front nose piece but can only be attached to the front bumper and cannot be taller than the radiator. All bracing must pass Tech inspection.
C. The roll cage must not alter the geometry of the vehicle.

D. Rear roll cage bars are allowed for added/crash protection. (Only one side cage bar per side). Rear bars must be mounted from the back of the cage to the rear trunk area only. Rear bars cannot directly connect to the upper/top part of the rear strut itself (suspension). You may connect a rear center cage bar from side to side of the inner side tub/strut box (recommend). Also, the side-to-side cage bar may be connected to the top of the cage bar that goes into the trunk area.

6. BATTERY

A. Battery may remain in the stock location or relocated behind the driver's seat. No batteries in the trunk area. Must be in a battery box, hard mounted. Battery must be free from any fluid leaks. Must have a battery shutoff switch in accessible location.

7. RACING SEAT/ DRIVER'S HARNESS

A. Padded racing type driver's seat is required. Seat must be bolted to brackets and firmly welded to the roll bar assembly. All bars within the driver's reach must be padded with approved roll bar padding. Cars must have an SFI approved racing harness properly attached to the roll cage bars. Must have a minimum Five Point Harness and be less than 5 years old from date of manufacture.

8. BRAKES

A. Car must have brakes on all four (4) wheels and be operational.
B. All ABS systems must be disarmed.
C. All brakes must remain stock for year and make of car

9. SUSPENSION

A. All suspension components must remain stock as manufactured with the exception of adding camber adjustments on the left front and right front suspension only. This is to help prevent outside/inside tire edge wear and for aiding in car handling. A maximum of 2 ½ inches of negative camber is allowed on the right front wheel, and the left front wheel is allowed 1-inch maximum positive camber. No cutting or changing springs. Right front and left front upper strut mounts may be slotted for camber adjustments only. Rear camber is allowed but must not be more than a 1/2 inch positive camber on the left rear and ½ inch negative camber on the right rear. Camber will be measured on the concrete pad using Star Speedway gauge with the driver in the car. Measurements will be taken at the bottom rim lip and at the top of the rim lip the difference between the two is the total camber in inches.
B. NO RACING SPRINGS. Shocks, struts, and springs must be stock or stock replacement type and mounted in the stock location. No covers allowed on shocks and struts. No altered, or high-performance components allowed. No weight jacking devices to increase or decrease spring rate, but you will be allowed the use of one (1) rubber spring spacer; maximum one (1) spring rubber per wheel. Spring rubber length cannot exceed more than the one (1) coil wound (circumference). Or you may use the taller spacers, these are roughly ¾" wide by 2" tall, you can use up to three (3) of these if it's only used in one (1) coil wound (circumference). Stock bump stops on struts must have 3 inches of travel before the bump stop hits the strut.

C. All suspension parts must mirror each other left to right. This includes springs, bump stops, and sway bars links.
D. Springs Must be the Same Wire Diameter, Same Height, Same Number of Coils and Same Wire Size.
E. Ride Height is 5". Depending on year, make and model it can/may be adjusted at Tech Discretion.

10. FUEL TANK

A. Racing fuel cell is permitted and highly recommended but is not mandatory. Fuel cells may not be more than 15 gallons in capacity. Fuel cell must be securely fastened with a minimum of two 2" x 1/8 metal straps inside in the trunk. No cutting of trunk floorboard when installing a fuel cell. A sheet metal firewall must separate the trunk from the driver's compartment. Relocated fuel cells must be in the center of the car.
B. IF USING A RACING FUEL CELL AN AFTERMARKET FUEL PRESSURE REGULATOR MAY BE USED BUT MUST MAINTAIN STOCK FUEL PRESSURE.
C. *Race Fuel will be allowed but must be purchased at Star Speedway through Little Webb's. This is the only race fuel granted and receipts of purchase will be checked. Race fuel is not allowed to contain any additives or accelerates.*

11. Tires and Wheels

A. 70" Tread Width Measured From Outside Bead to Outside Bead. 7" Max Width Rim
B. Tires must be a DOT approved tire up to a 205 series (Width of tire) with no less than a 55-side wall.
C. 13 thru 16 inch rim sizes are allowed.
D. Tires may be different sizes from front to back to manipulate gearing, but tires must be the same size on the left side to the right side. No running larger tires on one side and smaller tires on the other side to increase stagger.
E. Tread wear must not be any lower than 300 Treadwear Rating.
F. No offset wheels or racing wheels- must be stock OEM wheels
G. Wheel Spacers are permitted, but must remain within width rule (see 11 A)

12. SAFETY EQUIPMENT - *Safety equipment will be checked in 2027 before you are allowed to go on track.*

A. An aluminum racing seat is required.
B. SFI Five Point Drivers Harness must be less than five years from manufacture date.
C. Only Snell approved full face helmets are allowed. It is highly recommended the use of a Snell SA2010 or newer full-face helmet.
D. Window net is required.
E. SFI Fire suit required and must be in good condition, no holes, grease, etc.
F. SFI Racing Gloves are required.
G. SFI Racing Shoes are required (non-SFI sneakers will not be allowed).
H. Head and Neck restraints are required.

13. WEIGHT:

A. 1050 minimum right side weight

B. Weights must be mounted to the passenger floorboards, lined up with the driver seat or mounted farther ahead towards the passenger side front firewall. Each additional feature win/wins after your 2nd win will require you to add an additional 25 lbs of weight to the passenger floorboards, this will be up towards the right front firewall. Weight box may be welded to the right side of the cage. Only weight allowed is penalty weight and must be on the right side of the car only. All cars will be weighed at the beginning of the racing season to establish a base weight.

C. Any added weight must be securely bolted to the frame with a minimum of 3/8” bolts or secured in a weight box welded to the roll cage.

D. Only weight that can be added is on the right side between the posts of the right side of the cage. No other weight is allowed. ALL weight, including penalty, must be added to the right side between the right side cage posts.

E. After each Win your weights will be recorded. A Weight Sticker will be placed on the upper part of your windshield with the correct Right Side Penalty Weight.

F. All LEAD MUST BE PAINTED WHITE WITH YOUR CAR # WRITTEN ON IT

THESE RULES ARE SUBJECT TO CHANGE AT THE DISCRETION OF TECH. FOR ANY TECH RELATED QUESTIONS, PLEASE CONTACT STAR TECH.