2027 Six Shooter Rules

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

Transponders & Radios

A- Transponders are MANDATORY and MUST be on the Car at all times, including practice.
B- Raceivers are MANDATORY and MUST be WORN every time you are on the track.
C- Absolutely NO Two Way Communication.
D- Failure to Follow any of these could result in Loss of ALL Points and Purse Winnings for the Night
E- All drivers must have a 2027 Car Registration AND Star membership (license) in order to receive points.

Eligible models

A. Eligible vehicles include mid-sized front wheel drive V-6 automatic models of US Manufacturers Ford, GM, and Chrysler built prior to 2014, and with no more than 300 hp from the factory. Eligible cars should be constructed from running vehicles in relatively good condition. No convertibles, pick-up trucks, SUVs, 4WD, or AWD of any kind. No special high-performance cars. No Pontiac G6, Chevy Z-24, or like-sized Mercury Cougar will be allowed. Absolutely no foreign manufacturers, regardless of where the car was built. However, some 104" wheelbase midsize cars may be allowed with a weight penalty and prior approval from Tech for inexpensive and readily available American made sedans. If not listed in eligible vehicles, don't build.

Body & Chassis

A. Roll Cage: All cars must have a four (4) point roll cage constructed of 1 ¾" x .095 wall magnetic steel tubing. The roll cage shall consist of four (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 (4) curved door bars on the left side and three (3) curved or straight door bars on the right side is mandatory. The roll cage members must closely conform to window/door/roof contour and not be readily apparent when car is viewed from the side. Offset cages are not allowed. All roll cages are subject to approval.
B. Front Support Bars: Forward bars attached to the main cage can only go to the strut tower, minor front bracing for protection of the radiator allowed.
C. Rear Support Bars: Rear roll cage bars are allowed for added protection (only one (1) bar per side). Rear bars should mount from back of cage to rear trunk area only. Bars cannot connect/support rear suspension or upper/top part of strut/shock tower or connect directly to strut itself.
D. All the interior/trim panels must be removed, this doesn't allow removal of metal inner panels, the only exception would be the removal of the driver's door interior metal for cage purposes. Firewalls between passenger and trunk area must be covered with magnetic steel. If inner sheet metal panels are removed for other than door cage bars, Tech may add a weight penalty as necessary.
D. VIN#: All cars MUST have the factory equipped VIN number.

E. Doors: All doors MUST be welded shut.
F. Exterior Trim: All exterior trim must be removed. All exteriors hole must be patched door handles, openings, headlights openings, taillight openings, etc. with sheet metal.
G. Dash: You may use the stock dash or replace it with a full-length 22 gauge steel dash.
H. Glass: All glass must be removed - headlights, taillights, reflectors, side mirrors, including all windows, regulators, and door locks. Front windshield can remain stock or it may be replaced with Lexan. No rear windows.
I. Bumper Covers: Aftermarket nose and tail pieces may be used if it is for make and model. Nonconforming panels must be modified to fit the car.
J. Rub Rails: Rub rails are allowed between the front and rear tires only, maximum one inch square tubing with ends angled in towards car. must be mounted flush to car. Polycarbonate (Lexan) rub rails are recommended.
K. NO MIRRORS ALLOWED

Brakes

A. Cars must have operational brakes on all four (4) wheels.
B. All ABS systems must be disarmed.
C. All brakes must remain stock for year, make, and model. Components MUST remain stock as manufactured. No interchanging of components allowed. **No performance enhancements of any kind will be allowed.**
D. Rotors made for year, make & model that are sold drilled and slotted are allowed- NO RACING PARTS PERMITTED
E. Must have stock calipers for year, make and model.

Drivetrain

A. All drivetrain components MUST remain stock as OEM manufactured. No interchanging of components allowed. No performance enhancements of any kind will be allowed.
B. Automatic transmissions only. Engine size and Transmission must be match for car (this will be checked by VIN code).
C. Transmission/Differential MUST be free of fluid leaks.
D. No differential gear changes allowed. No locked differentials allowed.
E. NO traction control devices (OEM or Aftermarket).

Electrical

A. Kill Switch: All cars MUST have a kill switch on the left side of dashboard (Negative side of battery). Switch must be clearly marked ON/OFF
B. Only one (1) 12v battery. Battery must be securely mounted in stock location or relocated to behind the driver's seat and protected by a non-conductive cover. Battery box subject to Star Officials approval.
C. All air bag sensors and air bags must be disarmed for safety purposes.
D. Only one (1) computer allowed.

Engine

A. Engines MUST remain stock as OEM manufactured. No interchanging of components allowed. No performance enhancements of any kind will be allowed.
B. Engines: Must be a V-6 cylinder, fuel injected motor model, stock for year and make of car being used, in completely stock form. Engine size and Transmission must be match for car (this will be checked by VIN code). NO TUNING, ECM will be checked. OBD plug must be accessible.
C. Engine MUST be free of oil leaks and fluid leaks.

Engine Cooling

A. Radiator: Radiator must be mounted in stock location. All cars MUST be have an overflow tank.

B. NO ANTIFREEZE ALLOWED

Exhaust & Muffler

A. Exhaust Manifold: No headers or high-performance exhaust manifold of any kind allowed. Stock exhaust pipe should
extend from the manifold to the flange of the catalytic converter.

B. Catalytic Converter: The catalytic converter must be removed.

C. Muffler: Cars must have a Muffler, glass packed/cherry bombs mufflers are allowed. Muffler and pipes must be firmly secured to the bottom of the car. Mufflers must meet the minimum 96db requirements.

Fuel

A. Fuel Tank: 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 minimum of two (2) 2" x 1/8" metal straps Centered inside 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 Trunk.

B. If using a fuel cell an aftermarket fuel pressure regulator may be used, but must maintain OEM factory fuel pressure.

C. NO RACING FUEL. NO E85. Petroleum based automotive gasoline that comes from a gas station (Shell, Irving, etc.) is the only fuel allowed. No alcohol, no methanol, no nitrous oxide, or any other fuel additives allowed. Fuel can and will be teched.

Safety

A. Racing Seat: Aluminum padded racing type driver's seat is required. Seat must be bolted to brackets firmly and welded to the roll bar assembly. Full Containment Seat is HIGHLY Recommended.

B. Snell 2010 Helmets, Sfi 2 Layer Suit can be Jacket and Pants, Gloves and Shoes are Required, Head and Neck Restraint is HIGHLY Recommended.

C. Window Net is Mandatory.

Steering & Suspension

A. Steering Column: Car may use factory steering column. Any aftermarket column may be used if it is collapsible. A removal quick release steering wheel is highly recommended

B. Front Suspension: 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 to aid in car handling. A maximum of 2 ½" inches of negative camber is allowed on the right front wheel, and ½" inch maximum positive camber allowed on left front wheel. Right front and left front upper strut mounts may be slotted. Front sway bar must remain stock mounted but one end may have a bolt or threaded rod for adjustment only.

C. Rear Suspension: There will be no altering of rear suspension or adding adjustments for rear camber, but there will be an allowance of a ¼" inch right rear negative camber and a ¼" inch left rear positive camber for air pressure differences or suspension damage. Camber will be measured on the concrete pad with Star Speedway Gauge Tool with driver in the car. Measurements will be taken at the bottom rim lip and the top of the rim lip the difference between the two is the total camber in inches. The maximum camber tolerance for suspension

damage will be 1/8” inch; anything beyond that may result in a disqualification. (Measurements will be taken as listed same as above) No added positive or negative toe to rear tires, must be within stock toe settings. NO SKEWING OF REAR TIRES; THIS MEANS NO CRAB WALKING OF THE REAR

D. All springs must be stock as manufactured, no changing, cutting, or lowering of springs allowed, must be stock (OEM). Springs must be same diameter, height, and number of coils on left and right side (same spring gauge). Shocks and struts must be stock or stock replacement type and mounted in stock location. Components MUST remain stock as manufactured. No interchanging of components allowed. 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 multiple rubber spring spacers.

E. DROOP RULE- 2 inches of travel in each direction. ¼” allowance at Tech’s discretion. NO steel, wood, etc spacers allowed.

F. Suspension components MUST remain stock as manufactured. No interchanging of components allowed. No performance enhancements of any kind will be allowed.

Weight

A. 130 hp to 190 hp 1400 lbs Right Side
191 hp to 245 hp 1450 lbs Right Side
245 hp will have minimum 1500 lbs Right Side
300 hp will have minimum 1550 lb Right side

B. Penalty Weight: 25lbs of right-side weight will be required after two (2) feature wins. Weight must be mounted under passenger floorboards, lined up with the driver’s 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 25lbs of weight under the passenger floorboards, this will be up towards the front firewall. Weight box may by 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. Added weight must be securely bolted with minimum 3/8” bolts or secured in weight box. Lead must be painted white, car # must be written on it as well

C. All weight must be painted white and have the car number clearly marked on it.

D. Car weights may be adjusted by at any time to equal competition. Cars must have a weight sticker Displayed on the Left Upper Corner of their Windshield.

Wheels & Tires

A. Wheels: Car must run four (4) matching factory steel wheels. No aftermarket wheels allowed. Wheels must be for make of car, no universal rims.

B. Tires: Car must have all the same size tires with no less than a 60 series. No less than 3 ½” inches side wall height, any tire side wall measuring less than 3 ½” inches will result in disqualification. No directional or snow tires and no less than 400 compound tread wear. Rating must be clearly marked on tires.

C. Lug Nuts: One (1)” inch lug nuts are required on all right-side wheels.

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