

2024 Tri-State Pro Stock Challenge Series Rules

Car Specifications/Engines:

1. The center of the forward most spark plug hole shall be no further back than the upper ball joint centerline. Maximum set back will be measured from the centerline of the rear end housing going to the back of engine block and can be no less than 72". Cars with motor set back beyond the #1 spark plug at ball joint will be penalized by adding 100lbs in front of the motor plate. Weight must be securely mounted with a minimum of two (2) ½" bolts each.
2. CRATE ENGINES: All cars utilizing a GM604 /602. Crate engine must use max 6,800 rpm rev limiter chip. See ignition for rules on rev limiter and ignition box. Must use unaltered sealed GM #88958604 or #19318604 crate engine with additional Cable-Lok system -NO EXCEPTIONS. GM seal bolt exception is WPS approved and issued Cable-Lok repair system, oil pan may be replaced by a certified repair center with Champ pan #CP100LTRB and Champ pickup #100SB. \$250 fine for any crate engine not using required pushrods, valve springs or rocker arms. \$250 fine for utilizing altered rev-limiter components.
3. Any 2- or 4-barrel intake manifold allowed. Single plane intakes ok.
4. Standard, Crossover and 180's Allowed. All cars must meet all track requirements for sound DBA.
5. Any cast iron block allowed (after-market blocks OK). NO lightening allowed (clearancing ok) MUST remain as cast iron. NO aluminum blocks. No titanium or aluminum rods.
6. Any OEM spec cast iron head allowed. NO lightening allowed (clearancing ok), NO aluminum heads. Intake and exhaust porting allowed.
7. Electronic ignitions or Magneto OK. NO programmable ignition boxes or two step ignition boxes allowed. **No traction control devices.**
8. All cars must use maximum 7,800 rpm rev limiter chip (unless running crate where 6,800 rpm chip is required).
9. NO exotic carburetors, including but not limited to, Predators or Dominators. NO fuel injection, super chargers or turbo chargers allowed. Must be based on 4150 Holley Carburetor
10. No dry sumps.
11. All accessories must drive off front of engine, NO bellhousing driven pumps or accessories, Reverse mount starter bellhousing ok.
12. All cars are subject to inspection at ANY time and may require removal of some components.

Transmission:

1. OEM transmission and aftermarket race transmission with internal clutches allowed.
2. Any automatic transmission allowed

Body and Suspension:

1. Minimum wheelbase of 103.5 maximum deviation side to side of one (1) inch.
2. Cars must always conform to minimum weight with driver dependent of what tire choice, motor setback or additional weight additions listed in rules. All added penalty weight will be in addition to the minimum weight of tire selection. It is the driver's responsibility to know the rules and add additional weight in the proper location to meet the rules.
3. Steel and aluminum aftermarket bodies OK, subject to tech approval.
4. Bodies to keep semi-stock look no wedge offset bodies, Bodies to be kept in good shape and are subject to tech approval. Rear deck height of at bottom of rear spoiler of 40" (0" tolerance), Drivers window minimum opening 12"
5. Spoilers allowed but not exceeding eight (8") Material length.
6. Sail panel and spoiler side must: have a minimum of 5" space between sail panel and spoiler side.
7. Driver cannot be sitting over driveline.
8. Front clip does not have to match engine.
9. Front Clip must be unaltered except for clearance for fuel pump and steering shaft. Factory clip must have min of 19 inches in front of and aft of the bit bolt, No coil over front suspension
10. Suspension attachment points on rear and front upper control arms can be modified.
11. Heim joints in front steering ok.
12. No bird cages, No Z-links, No 4-Bar suspensions. No leaf spring floaters, Stock 4-link type suspension ok.
13. Driver must not be able to adjust suspension from inside the car.
14. OEM lower control arms only – "ball joint cup/shock mounts can be modified" – NO tubular lower control arms.
15. Steering quickeners OK, Steering box in stock location, Aftermarket stock type steering boxes and ratios OK, No rack and pinion steering.
16. Steel or aluminum tubular adjustable upper control arms with heims allowed.
17. Spindles OEM or OEM type replacements. Aftermarket steel fabricated spindles allowed. Aluminum hubs must bolt 25lbs in front of the motor plate.
18. LR Brake floater ok, Steel rotors only, Steel or aluminum aftermarket calipers OK.
19. Racing shocks can be used must be steel only. No more than five (5) steel shocks per car: four (4) one for each tire, and one (1) for the rear end dampener. NO dial adjustable shocks or remote canister shocks. Schrader valves are OK.
20. Steel tube quick change rear end and 9" floater rear ends allowed, no cambered rear-ends, no gold track or ratchet rear ends allowed.
21. Coil-overs with a minimum of 5" diameter spring. Weight jacks allowed. Coil-over eliminators OK. No more than five coil springs allowed to include pull bar/ lift bar assemblies must be 5" Minimum diameter.

Tires and Wheels Minimum Weight:

Option #1 – Hoosier G60, Hoosier 8” tire and Hoosier 10.5” Asphalt takeoffs that durometer over 50+ Minimum weight 2700 pounds min. with driver.

Option #2 – Hoosier Late Model tires, Maximum tread width of 11”. Right Side Tires must be NLMT 3, NLMT 4 or Min. 50 durometer - No min. durometer required on left side. Minimum weight 2900 pounds with driver.

Option #3 – Hoosier RC4, Hoosier 8” tire and Hoosier 10.5” Asphalt takeoffs that durometer under 50 Minimum weight 2900 pounds with driver.

1. Tire may not protrude more than four (4) inches past the bodywork.
2. Bead locks allowed on all four (4) corners.
3. Any STEEL wheel not to exceed ten (10) inches allowed wheels to meet tire options. No aluminum wheels.
4. Wheel stud threads must protrude from lug nuts. One (1) inch lug nuts mandatory.
5. Aluminum Hubs will be penalized by adding 25lbs in front of motor plate.
6. Bleeder valves OK.
7. No defacing of tire markings

Safety:

1. The roll cage shall be constructed using 1.50 or 1.75 inch outside diameter steel tubing or greater with a minimum wall thickness -095 inches.
2. No tubing on the car can be greater than 2 inches in diameter.
3. Six-point cage consisting of four-point center section and “kicker bars”. Kickers may be “X” braced.
4. Center section of cage must consist of main hoop with “X” bracing and halo that clears the driver’s head when he/she is strapped in with his/her helmet on.
5. The four points of the cage center section must be securely welded to the car’s frame rails or mounted on a steel 4x4 pad welded to uni-bodies.
6. Windshield bars required. Every cage must have at least one halo bar.
7. A minimum of three (3) driver’s side door bars are required to be plated with 18-gauge metal plating.
8. Passenger side bracing required – minimum X or 3 door type bars.
9. Front cage hoop required.
10. Roll bar padding is mandatory where driver can come in contact with the cage. All roll bar padding in the driver’s compartment must be fire retardant.
11. Nerf bar may extend up to two (2) inches beyond factory body and must terminate inward and contain no sharp edges.
12. Minor radiator protection ok.

Helmets:

1. Drivers must have Snell 2010 or better rated helmet. No motorcycle rated helmets.
2. The strap and clasp must be in good functional condition.
3. Helmet cannot have any cracks.
4. Helmet and all safety gear must be worn at all times when car is on track and must accompany vehicle at time of inspection.

*******Snell 2015 helmet rating will be required in 2025*******

Driving Gear:

1. Driving suit, gloves, shoes Required must be SFI approved fire-retardant. SFI approved Hans/Hutchins/hybrid type neck restraint systems required. No driver will be allowed to race with street shoes * **All safety gear must be in good condition.**
2. Seat belts must be five-point and three (3) inch minimum or two (2) inch shoulder for neck support devices OK
3. All seat belts must be securely mounted to the roll cage. Shoulder belts must not be mounted to any rearward facing bars.
4. Belts may be no more than three (3) years old from date of purchase
5. NO worn or sun-rotten belts. Tattered fibers, nonfunctional clasps, and insufficient mounting points will cause car to fail tech inspection. Tech inspectors' decision final.

Window Nets:

1. Window net will be mounted so it can be accessible by the driver and safety crew.
2. Window nets must be SFI approved.

Seats:

1. All vehicles must have a full containment seat and must fasten to the roll cage/main frame.
2. Seat covers and padding must be fire retardant.
3. Seat must be mounted with at least four (4) 3/8" bolts, in at least four (4) points.

Fire Extinguishers:

1. Each race team must have a fire extinguisher in or on the trailer or rear of the tow vehicle. Must have car number painted on it and accompany driver to pre tech.
2. Fire extinguishers must be visible and accessible. Fire suppression system highly recommended
3. In-car fire extinguishers must be securely mounted. If not secure, it will need to be remounted or removed. No zip-tied extinguishers.

Drive Shafts:

1. Drive shaft loop required within 12" of front yoke.
2. Drive shaft must be painted white and kept clean and have car number on it.

Fuel Cell:

1. Fuel cells are mandatory. Must be located in the trunk area mounted securely. Fuel cell must be surrounded by 18-gauge steel. Pickup trucks must use a metal enclosed fuel cell mounted securely in the bed area between the frame rails. Metal enclosed fuel cells must use no greater than ten (10) gauge steel bar/material.
2. Each fuel cell must be fuel tight and have a functional rollover valve.
3. Fuel cell must be mounted by at least two (2) – 2 x ¼” steel strap completely surrounding the cell.
4. If fuel cell is plastic, it must have 18-gauge steel surrounding it
5. Only steel fuel filters are to be used. No plastic or glass filters allowed.
6. Fuel transfer must not be the lowest point of the vehicle. Fuel lines must not touch the ground at any time. Fuel cells must have ground clearance of at least ten (10) inches.
7. Race fuel, E85 and methanol OK. No nitrous or nitromethane.
8. Must have ground strap on fuel cell.
9. Fuel cell must have rollover internal flap under fuel cap.

Drivers Compartment:

1. No adjustment devices allowed – With exception of brake system within drivers reach.
2. No exhaust components are allowed in the drivers’ compartment.

******* Tri-State Pro Stock Challenge Series reserves the right to make changes/clarifications to any and all rules to keep a competitive level playing field in the best interest of the class. Changes may be made mid-season in order to clarify grey areas not covered in the rules set forth above. *******