



2022 V8 STOCK RULE BOOK

www.delawarespeedway.com

1. VEHICLE ELIGIBILITY:

The Delaware Speedway V8 STOCK Series is designed to be a safety conscious, lower cost, entry level racing class aimed at providing a place to enjoy racing & develop your racing program.

1. Open to any make or model of North American built 2 or 4 door sedan or truck having a factory listed wheelbase of 102". Rear wheel drive only. Ex. Super stock/thunder car, V8 stock, Trucks, "OSCAAR Hot rods", Late models, "Cascar", etc.
2. Race cars/trucks must be in complete and presentable in appearance at the beginning of each race.
3. Car/truck must have a four-point roll cage, front hoop & rear hoop to protect fuel cell.
4. No Fuel-injected engines.
5. Any vehicle that is deemed to be unsafe will be denied access to the facility until such time as the necessary repairs have been made.

2. BATTERY:

1. Must be securely fastened. If mounted in the interior of the car, battery must be fastened securely to the floor behind the driver's seat.
2. Battery must be covered. Cover must be fastened independent of the battery hold down.
3. Battery must be held down with a minimum of 2, 5/16 bolts.

3. BODY AND APPEARANCE:

1. Any North American built car/truck, fibreglass, aluminum, or steel. Must be stock appearing. Spoiler can not be wider the overall rear body width. No air deflectors on roof, hood, or side panels.
2. Aftermarket nose panels permitted.
3. OE trunk/Hood hinges can be replaced. Must be pinned at front end of hood.

4. All doors must be welded or bolted. Original wheel arches must be retained.
5. Side rub rails permitted
6. All body panels and or parts must be constructed of 22-gauge magnetic steel.
7. Stock bumpers originally installed on that year/model of car/truck only in stock position. No cutting of bumpers.
8. All holes in firewall must be filled with 22-gauge magnetic steel. Stock firewall must be retained within 6 inches from original position. 2019 Fabricated firewall allowed within 6 inches of original location,
9. All holes in floor must be covered with a minimum of 22-gauge magnetic steel.
10. A minimum of 22-gauge magnetic steel is to be used in the construction, repair, and or replacement of parts.
11. NO sheet metal screws
12. Wheels/Tires must not extend outside the body or side rub rails.
13. Windshield: Must be glass with 4 safety clips or Lexan. No Plexiglass allowed. Window pillars must be approx. stock width & location. 2 front windshield bracing mounted inside car mandatory. No exterior bracing front or back. Top 4 inch or windshield is reserved for tracks sponsors' decal. Rear window must be clear.

4. LETTERING:

1. Numbers will be assigned by the track officials at the time of entry.
2. Doors and roof must be clear of any lettering other than numbers.

5. MIRRORS:

1. Mirror must be in stock location. A side mirror mounted to the "A" post inside the plane of the vehicle is allowed, if either a full containment seat, and or a head/neck restraint support system are used. The side mirror shall be no larger than 4" (four) in diameter. Mirror will not protrude outside of the plane of the body.

6. Chassis/Suspension & Brakes:

1. Any part of chassis that has fabricated frame sections from front clip to rear axle must be constructed of 2 X 3 X .095"
2. Body, engine and chassis are interchangeable.
3. No holes drilled for the purpose lightening any of the steering/suspension or frame components
4. Four-wheel hydraulic brakes are mandatory. All Four-wheel brake assembly must be operational.

7. Wheels:

1. Approved racing wheels only.
2. Aftermarket larger racing-type wheel studs & wheel nuts required
3. One maximum 1 inch wheel spacer is allowed on each corner.

8. Tires:

1. All tires are subject to approval of official in charge.
2. No altering tire compound or softness at the track

9. Safety Equipment:

1. **Fire Control:** Race Cars must have an approved fire extinguisher, with a recharge slip dated back no older than January of the current race season. Fire extinguisher must be mounted on the right side and within reach of the driver when seat belts are fastened, and in an approved mounting bracket.
2. **Helmet and Apparel:** Drivers are required to wear full coverage; one or two-piece Nomex or similar multi-layered fire suits which are S.F.I. rated. Fire retardant undergarments are mandatory with a single-layered suit. Fire retardant gloves and shoes are mandatory. Driver helmets must conform to Snell SA2015 or higher SA standards and have a certification sticker visible inside the helmet. It is highly recommended that drivers wear eye protection designed for auto racing.
3. **Belts and Harness:** A quick-release 5-point belt (shoulder and lap) of no less than 2" in width, and 2" width anti-submarine harness in good condition are mandatory. Shoulder harnesses must be mounted and secured at the driver's shoulder height. Belts must be securely fastened to the frame, cross-member or roll cage by means of a suitable reinforced mounting, in such a manner that all fittings are in direct line with the direction of pull. Belts may not be any older than 3 years (manufacturer's date). All belts and mounting will be subject to inspection.
4. **Window Net:** An approved nylon mesh net must be installed in the driver's side window opening. Net sizing must be at least 16" x 18". Net must be installed so it is tight. Window net anchors must be attached to roll bars, not body. Window net must be quick-release type. Net must be permanently anchored at the bottom and release at the top. Wide mesh nets and lever-latch releases are highly recommended.
5. **Seats and Headrest:** Approved aluminum bucket seat is mandatory. NO home-made seats allowed. Seats must be bolted or secured solid so that the seat will not shift or loosen on impact. All retainer bolts (minimum of 6) must be min. 3/8". Seat must completely to the left of the centerline of the car and inside the frame rail. An approved padded headrest is mandatory and must be securely mounted. Full containment seat highly recommended. Any driver under 18 years of age MUST use an approved Head/Neck Restraint system.
6. **Roll Bar Padding:** All roll bars in driver's area must be covered with approved roll bar padding.

10. Radios:

1. Approved 1-way radio receiver MANDATORY. Must receive frequency UHF 451.7125
2. Two-way radio communication strictly prohibited!

11. Roll Bars:

1. Minimum size of tubing is 1 3/4" O.D 0.95 thickness.
2. Any bar that connects to that greenhouse must also be constructed of 1 3/4"X .095" OD magnetic steel.
3. Minimum of 4 bars on the left side, 3 bars on the right side, and must extend into the door panel. "X" type bars will be allowed on the right side for door bars. A diagonal bar must be added to the roof hoop as well as the main hoop (behind the driver's seat). Top door bar must be within one (1) inch of the top of door panel, and the remaining bars must be equally spaced down. The bay bar should be inline with the top door bar.
Left leg protection bar must be installed between the roll cage and the left front frame rail
4. Both front and rear hoops are required, hoops are not to be outside the inside of the tires, and anybody supports off these hoops are to be no larger than 1" o.d.
5. All support bars extending to the body panels must be at 90 degrees and welded at both ends.
6. Threaded pipe, Pipe fillings, lap weld pipe, magnesium or aluminum are NOT permitted. No square tubing, channel and angle iron will be permitted in the construction of the roll cage or bracing.
7. Flush grinding welds are not permitted

12. Heights/weight:

1. Minimum ground clearance of 4" (with driver) must be maintained on every part of the vehicle with the exception of tires, exhaust, and flange of safety bellhousing. If a flat occurs, no part of the chassis may touch the ground.
2. Lead ballast weight must be double bolted and painted white with the car number marked on each piece so that the number is visible when installed. No tungsten, lead shot, ball bearing type, or liquid type ballast permitted.
3. Weights must weigh a minimum of 10 lbs. and be in block form.
4. Lead ballast weight must be double bolted with 1/2 inch diameter bolts and painted white with the car number marked on each piece so that the number is visible when installed.
5. All ballast weight must be bolted to or encased within the frame rail and not mounted lower than the bottom of the frame rail.
6. If stacked or bolted weight exceeds thirty (30LBS) pounds it must be bolted into an approved weight tray.
7. No weight to be added forward of front firewall or rearward of the fuel cell. All weight added behind the rear axle assembly must be bolted to the stock frame.
8. Loss of add-on weight will result in a severe penalty.

Engine/Drivetrain, etc

13. Air Cleaner:

1. Any type permitted. Must fit under the hood. No ram tubes or ducting allowed.
2. Cars must have air cleaner to act as a flame arrestor.
3. No high velocity or stack type air cleaner assembly.

14. Carburetor:

1. Two throttle return springs mandatory

15. Cooling System:

1. Radiators must be in stock location.
2. WATER PUMP -- Stock O.E.M. water pumps only (refer to stock definition for further clarification).
3. Rad must include liquid overflow container minimum of 1 liter mounted ahead of the engine firewall. WATER ONLY permitted in cooling system.
4. The overflow tube must exit the body at the base of the windshield.

16. Clutch and Flywheel:

1. Must have a steel bellhousing, Sema 6.1 flywheel shield or scatter shield of $\frac{1}{4}$ " magnetic steel.

17. Drive Line:

1. Drive shaft and universals MUST be stock steel standard production type.
2. Steel, 360-degree retainer loops, 1/4-inch-thick x 2 inches wide, must be positioned at the front and rear of the shaft, and within 12 inches of each U-joint.
3. Drive shaft must be painted white.
4. Minimum driveshaft OD is 2 $\frac{1}{2}$ inches.
5. All driveshafts must be constructed of magnetic steel. No lightweight material allowed.

18. Exhaust System:

1. Muffler's mandatory. 98 decibels MAX.
2. Exhaust system must be turned either downward and out OR exit under car on right side and behind driver and turned downward.

19. Fuel System:

1. Stock-appearing mechanical pump only. Absolutely no electric fuel pumps. No plastic or glass fuel filters allowed.
2. The gasoline shall not be blended with alcohols, ethers, or other oxygenates and it shall not be blended with aniline or its derivatives, nitro compounds or other nitrogen containing Compounds. No NOS systems.

3. Safety cell mandatory, and the cell must be contained in a magnetic steel container constructed of no less than 22-gauge magnetic steel.
4. Fuel cell and container is to be securely mounted in the trunk compartment, behind rear firewall, between the frame rails, forward as near as possible to the rear axle-housing hump, but no lower than the center of rear axle-housing tube.
5. Only high-pressure neoprene line and or braided/kevlar fuel line will be allowed.
6. Line must run through cab and must run through a steel conduit. This conduit shall be painted a contrasting colour of the car and will extend beyond each firewall by two (2) inches. The conduit in addition to the colour will also be labeled "**FUEL LINE DO NOT CUT**"
7. HIGHLY RECOMMENDED - In-Line Fuel Safety Check Valve MANDATORY. Ex. Part # OBERG FILTERS SV-0828 FUEL SAFETY CHECK VALVE. Fuel shut-off valve is minimum requirement.

20. Ignition & Electrical:

1. Car must be self-starting.
2. Battery operated ignition system only.
3. Stock type distributor and stock type coil allowed. NO dual points.

21. Transponder:

1. NO switches permitted in transponder wiring.
2. Transponder MUST be always operational. If transponder fails to provide signal/lap time you will be disqualified immediately.

22. Transmission:

AUTOMATIC TRANSMISSION:

1. Transmission oil coolers are allowed but NOT in the driver's compartment.
2. Oil coolers MUST be mounted ahead of firewall.

MANUAL TRANSMISSION:

1. Any manual transmission permitted

23. ENGINE OPTIONS:

1. V8 engines only – No fuel injection systems, no turbo, no superchargers

24. "Break out" Time:

1. To be determined
2. If your lap time is below pre-determined "break out" lap time, you will be penalized.
3. NO GPS, living timing systems, cell phones, etc. permitted inside car

NOTE: Interpretation of these rules will be solely up to the judgment of the officials in charge of the area in question. DELAWARE SPEEDWAY reserves the right to impound non-complying components with no compensation to the owner(s). Noncompliance with the specifications outlined herein may subject violating teams to disqualification, loss of points and moneys and/or fine.

NOTE: ALL DECISIONS BY PIT STEWARDS, CHIEF TECHNICAL INSPECTOR OR DELAWARE SPEEDWAY EXECUTIVE COMMITTEE MEMBERS WILL BE FINAL. ALL RULES SUBJECT TO INTERPRETATION BY DELAWARE SPEEDWAY OFFICIALS. RULE BOOKS WILL BE ISSUED TO MEMBERS. ALL EQUIPMENT NOT GOVERNED BY THE AFOREMENTIONED RULES ARE TO BE SUBMITTED TO DELAWARE SPEEDWAY, NOT LESS THAN 30 DAYS PRIOR TO THE DATE OF INTENDED USAGE. NO EQUIPMENT WILL BE CONSIDERED APPROVED BY REASON OF HAVING PASSED THROUGH INSPECTION UNOBSERVED. RULES APPLY TO ALL RACE EVENTS.

DELAWARE SPEEDWAY RESERVES THE RIGHT TO CHANGE ANY RULES

For all tech related questions, please contact Darryl Timmermans – dtimmermans38@hotmail.com