

V. 6 Cylinder Rules

Revised - April, 2022

A. COMPETING MODELS

- 1.) OPEN TO ALL V6 (6 Cylinder) American made front wheel drive steel bodied cars from 1990 and newer with a minimum wheel base of 2615mm or 103". Only cars made by General Motors, Ford, and Dodge are eligible, regardless of manufacturer. No convertibles or SUV's. This class is designed to be a pure stock class using all factory computer controls. If you are not clear as to what type of car this is please call the Tech Inspector. Factory spoiler may be used in original location.
- 2.) Drivers competing in this division will not be eligible to race in any other weekly division. This division is designed for the racer who has a small budget and wants to compete in a weekly series. Experienced substitute drivers are welcome on a limited time basis only.
- 3.) Body lines must remain stock. Rocker panels must be stock, but may be covered with sheet metal to repair rusted areas. Rocker covers must be affixed using an appropriate number of steel rivets. Rocker panel covers may not extend closer to the ground than the stock frame rail. VIN number tag must remain on the firewall of windshield base. No body panels below frame rails, stock rocker panels only. No sheet metal screws to be used in/or on car.
- 4.) No cowl openings or hood scoops. Hood must be in stock location and tight to the windshield. No bolts or other supports to raise hoods at windshield.
- 5.) All glass must be removed except windshield. Windshield may be replaced with Lexan (Polycarbonate, NOT plexi-glass). Windshield must be supported as stated in Super Stock rules.
- 6.) All headlights, door handles and body trim must be removed. Light openings can be covered with aluminum or tin.
- 7.) Interior of car must be completely stripped with the exception of the instrument cluster and computer location. Be careful not to cut wires that may affect the computer.
- 8.) Driver must sit in factory stock location. All pedals must remain stock in the factory location. Floor pan must remain stock front to rear, with all rusted areas repaired using minimum 22 gauge steel.
- 9.) Front firewall must remain stock with all holes covered with 20 gauge steel. Rear firewall must be sealed off completely with 20 gauge steel.
- 10.) Battery must remain stock. If mounted inside the car, the battery MUST be mounted in a STEEL box, bolted to the floor. Battery shut-off switch recommended to shutdown all power to engine. Switch should be located and labeled for safety crew access. Fuel interruption shut-off switch mandatory (see fuel system).
- 11.) Front and rear bumper must remain in stock location. Bracing is permitted behind the bumper cover. No external bars permitted. One exterior rub rail may be used on each door. They must be mounted tight to body of car.
- 12.) Minimum weight WITH DRIVER IN CAR and no fuel added after race:
 - a.) 3.1 liter engines or smaller must be 2900 lbs.
 - b.) 3.1-3.4 liter engines must be 3000 lbs.
 - c.) 3.4 or larger engines must be 3300 lbs.
 - d.) Left side weight will be no more than 54% of car with driver. Car weight must be posted on left side of hood.
- 13.) Competitive weight equalizer- 2 consecutive feature wins you must add 50 lbs. must be added to your actual weight as scaled following the second consecutive victory. Every win after you must add another 25 lbs. to your actual scaled weight as scaled following the race. This location will be determined by track officials. The addition of extra weight is the responsibility of the driver.
- 14.) Steering column must remain stock and car must start with key.
- 15.) All cars must have lift chains or cables on front and rear for towing.
- 16.) The wheelbase measurement on the right and left side of the car must be within 1/2 inch measured center of wheel to center of wheel.

B. ENGINE AND TRANSMISSION

- 1.) Stock unaltered V6 engine and transmissions. Engine must match make and model. No turbo's or superchargers. Maximum number of valves is 2 per cylinder. No 4-cam engines allowed.
- 2.) No antifreeze allowed. A \$50 penalty for cleanup will be instituted if found. Race applicable coolant additive may be used at the discretion of safety tech.
- 3.) Only production automatic transmissions for the year and model allowed. No standard shift.

C. FUEL

- 1.) Street fuel, not more than 93 Octane SUNOCO Ultra, will be mandatory. No mixing/blending of fuels allowed. No additives allowed.
- 2.) Fuel will be checked and subject to disqualification at the discretion of Speedway Officials.

D. FUEL SYSTEM

- 1.) Stock fuel tanks and pumps mounted in factory stock location only. After market fuel cells are allowed. Must hold 12 gallons or less of fuel and have a bladder. Fuel cells must be safely mounted to the chassis in the rear trunk area, behind the rear fire seat fire wall. After market in-line EFI fuel pumps allowed, must deliver fuel at the same pressure as the stock pump. All electric fuel pumps MUST have a clearly labeled shut off switch within reach of the track safety workers.
- 2.) Fuel lines must be factory with factory fittings or aftermarket high pressure fittings. Subject to Safety inspection. No Plastic Filters.

E. INTAKE AND EXHAUST

- 1.) After market air filter elements may be used.
- 2.) Engine must use all factory intake and injectors for make and model with all factory sensors connected. No aftermarket or special order items allowed.
- 3.) Exhaust manifolds must be stock with 'Y' pipe merging to one outlet. Maximum 2" exhaust pipe. Exhaust must be routed to the outside of the vehicle behind the driver. No dual exhaust pipe.

F. IGNITION:

- 1.) Factory stock ignition only. No aftermarket computers or chips.

G. ROLL CAGE AND SAFETY

- 1.) Minimum roll cage mounting will be 8 mounting points, with 4 mandatory horizontal door bars and 3 vertical bars. Main cage supports must be attached to additional tubing welded directly to the rocker panel or attached to the floor with a 4" X 4" plate that is 1/4 inch thick. The plate must be bolted and welded to the factory frame or floor. Each cage will be checked for a safe installation. Full cages are recommended. See General Rules for additional information.
- 2.) Main hoop and door bars are recommended to be a minimum diameter steel tubing 1.75" x .095 ERW.
- 3.) Aluminum racing seats are mandatory. They will be mounted as stated in Super Stock section 'N'.
- 4.) All 3" racing harness seat belts should be inspected for wear and tear and be in good condition. Quick release latch must be in good working order. Weathered or tattered harnesses will not be allowed.
- 5.) Padding will be required on all bars that come in contact with the driver. Steering wheel hub must be padded.
- 6.) Full coverage driver racing suit with an approved Snell rated helmet will be required. Check the general safety rules for specifics.
- 7.) Hans or Hutchens devices are highly recommended. Window net is required on drivers side. It must be 1 inch web with a quick-release mandatory.

- 8.) All teams must have and maintain a one-way radio/scanner for direct communication with the Wyoming County International Speedway Race Director. This has helped with positioning and safety. Quality ear buds are necessary for improved clarity. Track radio - 469.550.
- 9.) Fire extinguisher must be mounted within reach of the driver and the track crew.
- 10.) See General safety rules for mandatory 'MyLaps' transponders.

H. SUSPENSION AND BRAKES

- 1.) No heavy duty or limited suspension parts allowed. No adjustable shocks or spring adjusters.
- 2.) Spring and shocks must be stock for make and model of car. No aftermarket springs. Brake rotors must be factory stock with stock pads, no heavy duty or limited production items. No brake bias adjustments.
- 3.) All brakes must be in working order and MUST work.
- 4.) Camber and caster may be adjusted on front end with factory adjustments or by modifying the tower mounting holes only. Rear camber limited to 1 degree on either side.
- 5.) Caster may not be adjusted by modifying the strut brackets in any way for safety purposes.
- 6.) All brake fluid lines and hoses must be in inspectable condition. Anti lock systems may be removed.

I. TIRES AND WHEELS

- 1.) Tire size will be the standard size for make and model with minimum tread wear of 300. No over size tires. If your car came with 16" wheels, 16 inch wheels will be allowed for cars with large calipers, 205/215/225/235, 60 Series, R16 tires only will be allowed, and 205/215/225/235, 60 Series, R15 for 15 inch wheels will be allowed.
- 2.) Wheels must be factory steel or aluminum only. No aftermarket aluminum wheels will be permitted. All 4 wheels must be the same size. No spacers or adapters.
- 3.) Performance tires such as Firestone Firehawks are not allowed, see tech inspection for compliance.

J. RACER'S ATTITUDE

- 1.) Please understand, a variety of race levels will be competing together and each team should be patient and work with other teams to ensure safety and fun. Over-competitive teams will add weight as outlined in the General Rules, and should consider moving up when ready.

K. See general rules for additional rules and regulations.

- 1.) Body, paint, and number. Pre-register a number 0-99 and body paint in contrasting color on both doors and roof at least three (3) inches thick and eighteen (18) inches tall. Additionally, numbers should be painted on right front and rear of the vehicle for easy recognition by officials. Body and paint must be kept in presentable condition. The addition of a letter or 3rd number is at the discretion of the WCIS Race Director. Letter is to be placed within the number body and be distinctly contrasting to the number color. Please widen the body to accommodate the letter.

L. OVER COMPETITIVE RACE CARS

- 1.) The idea behind this division is to keep chassis and engines as stock as possible in order to hold expenses down. While the above rules offer a good outline, every item cannot be covered by a written rule. If you want to run anything not covered in the rules above, ask first. The officials and management reserve the right to adjust rules to make the class more competitive (example: 50 lbs weight disadvantage after 2 wins, 25 lbs. per additional win). A division with several winners and strong competition will be subject to WCIS Official decisions based on weight disadvantages. Teams with different home track rules may be assessed and penalized with a disadvantage to equal out competition as the division is developed. Be patient and have fun.