

VI. G-DOG Pro 4 Cylinder Rules

Revised - April, 2022



A. BODY AND CHASSIS

- 1.) A Maximum wheel base of 108" excluding midsize vehicles (such as Camaros, Firebirds, Thunderbirds, Van, SUV, Trucks, etc.). Please call for clarifications on approved vehicle makes and models.
- 2.) 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. Additional 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.
- 3.) Remove all glass (except windshield, if desired may be replaced with Lexan (polycarbonate, NOT plexi-glass). No rear windows). Side 'B' & 'C' Pillar windows allowed to be filled in with polycarbonate or sheet metal
- 4.) Remove all burnable and sharp objects within interior. Use 20 gauge minimum sheet steel for all holes in firewalls, covering dash or console. No sheet metal screws allowed.
- 5.) Factory OEM brake pedal and components remain Factory location
- 6.) All doors must be welded shut. Factory Interior floor must be complete.
- 7.) Control arm mounting locations must remain factory stock, Control arms may be modified, or aftermarket production. Strut towers may be modified to accommodate camber adjustments.
- 8.) Aftermarket Springs allowed, Spring Spacers must be safety wired. One spring and shock per wheel. Minimum frame ride height 5".
- 9.) Shocks; MSRP may not exceed \$125. Per wheel. No external schrader valves or adjustability.
- 10.) Rear spoiler allowed at the rear top edge of the trunk lid or hatch. Not to exceed 4" in overall height or extend over the edge of the rear body panels in overall length. Front spoiler or splitter may be used, but can not extend forward of the leading edge of the bumper cover, ground effects may not be lower than 4' above ground. No additional air enhancement devices will be permitted.
- 11.) Lift chains must be available on front and rear. Please label lift chain area if hidden under covers. Bumper covers/body panels must be on the car during competition.

B. BRACING

- 1.) Full roll cage is required. Drivers compartment must be complete with a min. of 3 door bars on drivers side and 3 bars on pass side. 'X' may be used with additional cross bar on passenger side.
- 2.) Each roll bar must have two braces running rearward from top of roll cage at approx. 45 degree angle welded to frame or foot plate bolted through floor to another plate. Additional bracing is recommended to the front and rear compartments.
- 3.) Drivers door plating is highly recommended.
- 4.) All roll bars must be min. 1 3/4 O.D. ERW or DOM, .090 min. wall thickness. All roll bars must be welded to the frame unless unibody construction. If unibody, must have 6" sq. foot plate welded and/or bolted to the floor.
- 5.) Roll Cage Suggestion - Stitch weld heavy wall tubing along the top of the rocker panel extending from the foot box back behind the driver's seat. This will provide a strong brace for roll cage support bars.
- 6.) All weld joints recommended to have gusset min. 1/8" thick steel. Driver's side door plates are highly recommended.
- 7.) Aluminum containment seat required with manufacturers mounting specifications.
- 8.) Adequate padding in the driver's compartment required.

- 9.) Equivalent or greater bracing may be used subject to the approval of Wyoming County International Speedway officials.

C. ENGINE AND TRANSMISSION

- 1.) OEM factory ignition and (1)13.5 volt battery only.
- 2.) 4 cylinder engines only. No super or turbo chargers allowed. No chemical power adders of any kind (nitrous oxide, benzene, nitromethane, etc...) allowed. Four cylinder engines may be pushrod, SOHC, or DOHC. OEM stock variable cam timing is allowed on all four cylinders displacing 2.5 liters or less only. Maximum displacement is 2.5 on all four cylinder engines.
- 3.) Cars must use an OEM engine type and brand matching the make of car (Example: any Honda Civic engine in a Honda Accord is allowed).
- 4.) No aftermarket blocks allowed. Cylinder heads must be a stock type casting for the engine brand used (Example: Honda to Honda) No aftermarket heads.
- 5.) No engine swaps of non-stock engine types from other makes or models of vehicles are allowed.
- 6.) Throttle body must be attached to intake manifold at stock location. Single overhead cam cars will be allowed aftermarket intakes. Dual overhead cam cars must run OEM stock intakes for the engine make.
- 7.) Throttle body EFI or multi-point EFI allowed.
- 8.) No carburetors permitted. A maximum of one fuel injector per cylinder is permitted.
- 9.) OEM style starter must be used and operational at the start of each night's event.
- 10.) INTERNAL ENGINE MODIFICATIONS, such as, but not limited to, porting, polishing, decking, and camshafts, ARE ALLOWED.
- 11.) Automatic or manual transmissions.
- 12.) NO driver controlled engine or transmission tuning devices allowed.
- 13.) FUEL: Fuel is restricted to pump gasoline or Sunoco 110 racing gasoline (Official Track Fuel of WCIS). NO alcohol (methanol or ethanol) or E85 fuel is permitted. Any car suspected of using alcohol or E85 will be disqualified. No fuel additives (benzene, nitromethane) only Rev X Oil Fuel Additives are allowed. Use of benzene or nitromethane will result in expulsion from the division.

D. EXHAUST

- 1.) A complete exhaust system, consisting of a single tube extending from manifold or header exit to an exit point behind the driver's seat. Exhaust may exit right or center of the car. If the exhaust exits in the center of the car, it must be turned down towards the track. If the tip is within 6" of the fuel cell, there must be a heat shield between the fuel cell and exhaust tip. Maximum exhaust tubing diameter is 2 1/2" and it must be the same diameter from header/manifold collector or flange/reducer to the system exit. (Exhaust tips less than 7" in total length are allowed) NO open headers allowed. Exhaust may be welded or bolted, but NO exhaust leaks are permitted the entire length of the exhaust. Official's discretion in the interest of fairness have the sole discretion in determining what constitutes as a leak. Exhaust must be routed under the floor pan, and no part of the exhaust system may enter the driver's compartment. No dual exhaust systems are allowed.

E. WEIGHT (AFTER RACE WITH DRIVER AND NO ADDED FLUIDS)

- 1.) 56% Left side maximum. All weight ballast must be painted white with car # boldly labeled. Car minimum weight must be permanently labeled on upper windshield.
 - a. SOHC 1900 lb. minimum weight
 - b. DOHC (1.9L or less) 2000 lb. minimum weight
 - c. DOHC (2.0 or higher) 2300 lbs. minimum weight
 - d. All Variable Timing Engines 2400 lbs. minimum weight
 - e. After 2 Wins... All WCIS Support divisions:
 - i. First time add 50 lbs., each win after 25lbs will be added. The weight will be added to the right side as close to the "center tunnel" between the right front and right rear wheel. This weight stays in all season for all races.

- ii. The added weight must be bolted or welded in. Bolted weight must have minimum of two 2 x 2 inch plates as washers, one on the bottom and one on the top pinching the floor pan. Location is at the discretion of the Tech Inspector.

F. TIRES AND WHEELS

- 1.) 15" American Race Tire 770 purchased from WCIS is legal. Teams may buy used tires from fellow competitors.
 - a. 14" or 15" dia DOT Tires allowed - 200 tread wear tire minimum. Normal production DOT street tires only. No high performance tread styles or racing competition tires.
- 2.) Track width maximum measured to the outside of tire, may not stick out past the body in excess of 2 inches. A 1" rub rail may be bolted tight to the body to protect tires and paint.
- 3.) All wheel offsets must be the same side to side. Racing wheels may be used. Wheel spacers only allowed if all wheels are the same spacing.
- 4.) 7" max wheel width allowed.
- 5.) 55-65 series tires only. All tires must be same advertised size from side to size.
- 6.) If 14" Tire is used, all tires and rims on the car must be 14"; If 15" tire is used, all tires and rims must be 15".

G. FUEL TANK

- 1.) Factory fuel tanks secured in front of the rear axle may remain stock location or be replaced with small fuel cell.
- 2.) Factory fuel tanks located behind rear axle must be replaced with approved fuel cell and safety secured within the trunk area. Trunk floor may be removed for clearance. Bottom of cell may not be lower than the center line of the rear wheels and be supported by parallel or 'X' bar bracing. If the fuel cell is exposed it needs to be protected by rear hoop.
- 3.) Fuel delivery system must be approved line and braded high-pressure hose and fittings. No plastic fuel filters.

H. DRIVER AND SAFETY

- 1.) Approved helmet, fire suit, gloves, safety harness and window net required (see General Rules).
- 2.) Head and Neck restraints highly recommended.

I. SEATS AND SHOULDER HARNESSSES

- 1.) Aluminum containment racing seats required. All seats must have head rests & high back support. Seat must be securely attached and hung within the roll cage. Back of seat must be mounted to the roll cage. Mounting to the floor is no longer acceptable. See manufacturer recommendations.
- 2.) You must use a minimum three inch, quick release 5 point restraint system. A min. two inch wide crotch strap is mandatory. All safety belts must be in good condition and subject to safety inspection.
- 3.) Shoulder harness must be connected to the roll cage. All lap belts must be mounted behind the seat and attached to the roll cage according to manufacturer specifications. Maximum 5 years old.

J. GENERAL RULES (Note - See additional "General Rules" section in conjunction with the following).

- 1.) Radiator must have an overflow can, one (1) gallon minimum. No anti-freeze permitted (violators will be subject to a\$50 fine on first offence). Racing radiator additives are permitted.
- 2.) No oil/water coolers are allowed in driver's compartment.
- 3.) Driver side window net with a quick release mechanism is mandatory. Quick release with plastic parts not permitted.
- 4.) Overall car minimum weight must be maintained at all times (see "Weight" for specifications). The car will be weighed with driver located in seat.
- 5.) Boldly labeled fuel and electrical safety shut off switches are to be in reach of driver and safety crew.

- 6.) Mirrors allowed. 28 square inches maximum and will be removed on an individual basis by track officials if used for the wrong reason.
- 7.) Small fire extinguisher must be securely mounted within reach of the driver and safety crew.
- 8.) All team members must read, understand and sign release forms prior to entering WCIS for practice or competition.
- 9.) See General safety rules for mandatory 'MyLaps' transponders

K. 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.