



76 HAMILL ROAD
NORTHERN CAMBRIA, PA

2021

OFFICIAL FOUR CYLINDER RULES

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CONTACT INFORMATION:

DOG HOLLOW SPEEDWAY BY RFR MOTORSPORTS
2053 CAMP DRIVE • WINDBER PA 15963 • 814. 525. 0549 OR 814. 483. 6121



2021 OFFICIAL FOUR CYLINDER RULES

1. RULE BOOK DISCLAIMER

- A. The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptance requirements for such events. These rules shall govern the condition of all events, and by participating in these events, all participants are deemed to have complied with these rules. NO EXPRESS OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM PUBLICATIONS OF OR COMPLIANCE WITH THESE RULES AND/OR REGULATIONS. They are intended as a guide for the conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator or official.
- B. The race director shall be empowered to permit minor deviation from any of the specifications herein or impose any further restrictions that in his or her opinion, does not alter the minimum acceptance requirements. NO EXPRESSED OR IMPLIED WARRANTY OR SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS. Any interpretation of deviation of these rules is left to the discretion of the officials. Their decision is final.
- C. It is the sole responsibility of the Driver and the Car Owner/Crew Chief to read and adhere to the following rules and/or regulations!

2. STOCK CLASS RULES:

- A. All tow hooks must be constructed from chain on the front and rear that is securely mounted to support the weight of the car.
- B. Car must be gutted of all burn-ables in the interior.
- C. All suspension must remain stock as per the OEM specs.
NOTE: Anyone running a Dodge Neon, please read Section 3 in the below rules pertaining to aftermarket trailing arms.
- D. NO engine swaps! Engine must remain strictly stock as per the OEM specs. Track Management will make the decision after evaluating the performance of the new Driver as well as a meeting with the Driver and/or Car Owner.
- E. Dog Hollow Speedway will be following SCDRA Rules with a few exceptions and additions.
- F. Dog Hollow Speedway Tech has the final ruling on all questions of legality. Questions of legality will be answered during the pre-race inspection if asked by entrant. No guarantee of legality shall be expressed before pre-race inspection. Legality will be determined in POST-race inspection. Competitors must present cars for inspection prior to any racing event.

3. ROOKIE CLASS RULES/QUALIFICATIONS

- a) Must have NO previous racing experience.
- b) All new Drivers must apply a minimum 3 inch wide by 3-foot-long yellow stripe across the rear bumper of their car to identify that this is your first year of racing. The stripe can be made out of vinyl sticker material or tape. This is solely in the interest of safety for both you as the Driver and your fellow competitors.

4. CHASSIS/BODY

- a) Any front wheel drive four-cylinder car. Front engine mounted vehicles only.
- b) NO jeeps, SUV, or trucks.
- c) No All-Wheel drive or All-Wheel steer cars allowed.
- d) All exterior chrome, plastic and lights must be removed, all glass must be removed
- e) All body panels must be stock OEM, doors, hood, and trunk may be skinned for lightening purposes.
- f) Boxing in the interior of vehicle is allowed! However, NO Tunnel Rams are allowed that can increase downforce.
- g) Aftermarket nose pieces are allowed. Any nose piece used must be conformed to fit at reasonable and near-factory dimensions.
- h) 6-inch metal support to extend out behind the nose piece or to hold grill in place allowed.
- i) NO push bars to extend outside of bumpers or beyond nose piece.



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- j) Some sheet metal will be allowed for repairs. Cars should be as stock appearing as possible. Adding sheet metal to bodies may result in a weight penalty being assessed.
- k) All tow hooks must be constructed from chain or wire rope ONLY.
- l) Each car MUST have a tow hook in front & rear that is securely mounted to support the weight of the car.
- m) Doors must be welded or bolted shut
- n) Driver and front passenger door window openings along with rear and front window openings must remain open and uncovered. Rear door and/or small rear side windows can be closed or covered.

5. INTERIOR

- a) Car must be gutted of all burnable interior.
- b) Must have completely enclosed fire walls with no open holes. An approved firewall must be in place between driver compartment and fuel cells, fuel lines or tanks.
- c) Fire wall can be replaced at its original location.
- d) NO wind tunnels or other aerodynamic fins or louvers permitted.
- e) Absolutely no mirrors or reflective devices permitted.
- f) Quick release steering wheel is mandatory.

6. STEERING AND SUSPENSION

- a) Must have stock rear and front suspensions as from factory, Slotting of factory mounting holes allowed.
- b) Lowering springs permitted and may be heated. Spring rubbers permitted. Springs must be within 2 inches of factory installed height. Minimum of 5 inches grown clear from frame rail.
- c) Rear control arms should be stock but may be braced / strengthened / repaired.
- d) Aftermarket trailing arms allowed. (Neons)
- e) No adjustable coil overs allowed.
- f) Stock type aftermarket bushings are allowed.



- g) No weight jacks
- h) No transferable weight systems
- i) No racing shocks or springs permitted.
- j) Steering remain stock.

7. ENGINE/DRIVETRAIN

- a) This class will only allow 1 modification which is an aftermarket header. Must be a four cylinder.
- b) No power adders! Meaning: no turbos, superchargers, or nitrous.
- c) Motor must be stock appearing and in stock location.
- d) Motor must match car (Example: Honda must have Honda engine).
- e) Any air or oil filters (Example: K&N, etc....)
- f) Intake must be a stock intake! NO Skunk 2, etc...
- g) Cold air intakes for fuel injection permitted
- h) Aftermarket radiators allowed. - Radiators can be braced for support.
- i) Computer may be chipped and/or tuned. A standalone ECU and aftermarket harness is allowed. Ignition coil must remain OEM.
- j) Open to all modifications and MANUFACTURER SPECIFIC engine swaps.
Example: Mopar, GM, Honda, etc. CAN ONLY be paired with same manufacturer of vehicle.
- k) The Speedway reserves the right to issue air restrictors.
- l)



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8. EXHAUST

- a) Aftermarket (racing headers) are allowed.
- b) Catalytic Converter must be removed.
- c) Exhaust must exit past driver's seat and must not extend out of anybody surface more than 1" and pipe must be blunt and free of sharp edges.

9. ROLL CAGE

- a) Roll cage must be constructed of a four-post design with two down bars behind driver following the contour of the windshield and the rear roll bar must be tied into the rear frame. The top roll bars must be connected and form a box at least four inches above the Driver's head. Roll cage must be securely welded to the floor and unibody frame rails. Two (2) down tubes off of rear hoop mandatory to form 6-point cage. Left side down tube from top hoop to top driver's door bar is highly recommended.
- b) All tubing must have a wall thickness of at least .095 inch thick and minimum circumference of 1 ½ inches.
- c) NO EXHAUST TUBING.
- d) Cage must have a minimum of three (3) bars on the Driver's side and a minimum of two (2) bars on the passenger side.
- e) No push bars past firewall.
- f) Roll cage may extend forward behind bumpers.
- g) Bumpers must be covered in some way with no exposed sharp corners.
- h) All joints must be welded solid. All cage corners and the driver's side door must have gussets.
- i) Padding is highly recommended.
- j) Recommend door intrusion plate.

10. TIRES & WHEELS

- a) No bead locks will be allowed. Tires and wheels will be strictly stock as per the OEM specs.
- b) Street legal DOT tires required! NO drag radials, mud grip lug tires, racing tires or racing recapped tires allowed! Directional tires are allowed.
- c) Tires can be different sizes for stagger.
- d) Tire size cannot be larger than what came as OEM.
Example: If the OEM wheel size is 15", you cannot run a 16".
- e) Tire Width on Front Tires, Maximum Width: 8 Inches, Minimum Width: 6 Inches. All rims MUST be the same size for all tires.
- f) Aftermarket racing wheels are allowed! 7 inch MAXIMUM.
- g) No Bead locks.
- h) Aluminum alloy wheels optional.
- i) NO cutting or welding allowed whatsoever on any steel wheel.
- j) Tires are ONLY allowed to protrude a MAXIMUM of 2 Inches outside of fender.

11. WEIGHT

- a) All cars must weigh a minimum of 2,200 lbs. with the driver after the Heat & Feature race.
- b) Exceptions: 50 lb. weight break for HANS or like device.
- c) 50 lb. weight break for full containment seat.
- d) All weight ballasts must be painted white & marked with the car number & securely mounted with a minimum grade 5 half inch bolt.

12. SAFETY

- a) Fire bottle system HIGHLY recommended must be fastened down with metal spring bands and not plastic. SFI 17.1
- b) Fire resistant driving suit required. Single layer minimum SFI 3.2a1 or double layer SFI 3.2a5
- c) Fireproof gloves required. SFI 3.3/1 or 3.3/5.
- d) Fireproof shoes recommended. SFI 3.3



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SAFETY (CONT.)

- e) Full-face helmet required. SA 2010, SA 2015 SFI 38.1, FIA 8860-2004, FIA 8860-2010, Snell 2010, SAH 2010, or SFI 31.1/2005.
- f) Head and neck restraint systems recommended SFI 3.38.1
- g) Driving racing harness & restraints required. Seat and belts must be securely mounted to roll cage. SFI 16.1 Replacement 2 years
- h) Window nets SFI 27.1 required for Pure Stock, Four Cylinder and Enduro's
- i) Arm restraints SFI 3.3 recommended.

13. SEAT

- a) Must be racing seat only. High back or acceptable head rest mandatory. Full Containment Seat recommended. (SFI 39.2) constructed of aluminum.
- b) Up fitting a current seat with bolt on kits will be permitted with a seat manufacturer produced kit and a base seat acceptable to the seat manufacturer. Components must include comprehensive head surround, shoulder and torso support system, energy impact foam. Must be installed in accordance to seat manufacturer's instructions.
- c) Seats must be used as supplied and instructed by the seat manufacturer with the exception of trimming the length of the left side head surround for the purpose of egress only. If the left side head surround is trimmed to a distance that is less than the most forward surface of the driver's helmet (usually the area crossing the chin) then a left side head net meeting the SFI 37.1 must be installed with a quick release latch.
- d) Seats must be mounted to a seat frame that is welded to the race car frame/roll cage structure. Attaching points, angles, and materials for the seat frame and mounting of the seat to the seat frame must be in accordance to the seat manufacturer's instructions.

14. BATTERY

- a) The battery must be securely mounted with positive fasteners and brackets.
- b) 12-volt systems only (NO 14-, 16-, or 18-volt systems permitted).
- c) The battery terminals must be insulated or enclosed with a non-conductive material that will prevent contact with any part of the race car should the battery become dislodged from the battery mount.
- d) One (1) mandatory battery disconnect switch must be installed in a location that is easily accessible from outside the race car. The switch must be clearly labeled with off/on direction. The switch must be directly in-line with the NEGATIVE battery cable and be capable of completely disconnecting the NEGATIVE terminal of the battery from the race car. Negative or "ground" wiring connections must not be made anywhere from the battery negative terminal to the input side of the disconnect switch. An additional battery disconnect switch within the driver's reach may also be used.

15. OTHER

- a) Fuel cell is not mandatory but highly recommended. If a fuel cell is not used, there must be a metal skid 1/8" plate in the bottom of the tank if it is made of plastic.
- b) NO parking brakes permitted.
- c) NO rub rails permitted.
- d) NO mirrors allowed.
- e) NO radios allowed
- f) Receivers are MANDATORY
- g) AMB Transponder required and located on rear axle.