

HAWKEYE DOWNS SPEEDWAY 2021 HORNET RULES

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- The rules and/or regulations set forth herein are designed to provide for the orderly conduct of racing events and to establish minimum acceptable 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 EXPRESSED 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 conduct of the sport and are in no way a guarantee against injury or death to a participant, spectator, or official.
- The Race Director and Track Officials shall be empowered to permit reasonable and appropriate deviation from any of the specifications herein or impose any further restrictions that, in their opinion, do not alter the minimum acceptable requirements.
- **NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHALL RESULT FROM SUCH ALTERATION OF SPECIFICATIONS.** Any interpretation or deviation of these rules is left to the discretion of the officials. Their decision is final.
- The rules set forth shall be effective for Hawkeye Downs Speedway's 2018 racing season. Management reserves the right to amend, alter, suspend, delete, or supplement these rules as conditions warrant and without any prior notice. Any changes will be posted in the inspection area. It is your responsibility to be aware of changes posted. These rules shall govern the condition of all Hawkeye Downs Speedway events.
- Hawkeye Downs Speedway is private property. Any person on this property without the permission of the owners or management is guilty of trespassing and subject to the penalties prescribed by law. Through your registration you have been given the authority and the right to be on this property in conjunction with your racing activity only. However, the management of the race track reserves the right to revoke and cancel this authority at any time it is felt that your presence or conduct is not in the best interest of auto racing, your fellow competitors, spectators, management, or employees of Hawkeye Downs Speedway.
- **ALTHOUGH EVERY EFFORT HAS BEEN DIRECTED TOWARD COMPLETE, UNDERSTANDABLE, AND CORRECT RULES, AS WELL AS THE SAME FACTORS IN PUTTING THEM INTO PRINT, HAWKEYE DOWNS SPEEDWAY OFFICIALS CANNOT POSSIBLY ANTICIPATE EVERY SITUATION, CIRCUMSTANCE, OR INTERPRETATION. THE DEFINITION OF STOCK MEANS "NO MODIFICATIONS TO FACTORY PARTS OR FACTORY SPECIFICATIONS."**

- **HAWKEYE DOWNS RESERVES THE RIGHT TO INSPECT, TECH, OR “TEAR DOWN” ANY COMPETING CAR AT ANY TIME REGARDLESS OF FINISHING POSITION.**
- **CAR REGISTRATION:** Registration fee is \$100.00 for the season. You can race one time without being registered and will receive your prize money but will receive NO points. Your 2nd race night appearance and after you will need to be registered to receive prize money or points. We will not “back pay” cars that are registered at a later date.
- **ELIGIBILITY:** Drivers finishing first and second in the feature will start from the back row of the heat and feature the next week. This is a low budget, beginners' division. Hawkeye Downs Speedway reserves the right to refuse competition for any car or driver deemed not in the spirit of the rules.
- **Eligible Cars:**
- Front Engine, Four cylinder and Front wheel drive only. No Honda CRX's, Station Wagons, Convertibles, or 2-seat sport cars.
- Must register VIN with tech officials, and have engine verified as correct for your make, model, and year of car.

1. SAFETY EQUIPMENT: Rules apply at all times car is on track.

- **Snell-Rated SA2015, SA2020, Full Face helmet** and eye protection required.
- Head and neck restraints highly recommended.
- Roll bar padding required in driver compartment ON ALL BARS anywhere a driver's head, arms or legs can touch.
- SFI-approved full Nomex fire suit or Nomex underwear required.
- Fire retardant gloves, shoes and neck brace required. Must be tear free and clean.
- **Recommended:** Fire retardant head sock, socks, and underwear.
- Driver-side window net required minimum 16 x 20 inch ribbon or mesh style, and must be mounted to roll cage so latch is at top front of window.
- Minimum 3” wide SFI-approved five point safety belt assembly required and must be mounted securely to roll cage. **Belts must be no older than 5 years.** ANY Faded, Frayed, Cut, etc belts will be required to be replaced!
- Master shut off switch required within easy reach of rescue crew and must be clearly marked ‘OFF’ and ‘ON’.
- **Recommended:** A master shut off switch to be located behind the driver's seat which is:
 1. Accessible through the driver side rear side window.
 2. Switch is hooked up to the Negative side of the battery (when battery is mounted behind the driver's seat.
 3. You are allowed to have 2 master switches (1 for the driver & 1 for the safety crew)
- **Required:** all master switches need to be painted Bright Red or Orange,, and display OFF/ON direction.
- All cars and driver equipment must pass Hawkeye Downs Safety inspection.

2. CLAIMS: NO MORE CAR CLAIMS.

3. BODY:

- Body must be completely stock. No added reinforcement to front fenders.
- Stock appearing, aftermarket nose piece, allowed. Bumper structure under nose can be 1 ½ x .095 round tubing maximum, protruding forward from frame horns and face bar can be no wider than frame horns. Outer end of nose can be supported with 1" x 1/8" strap, maximum.
- No super structure on front-end of car. No battering ram noses.
- All doors must be bolted or welded shut. Doors may be gutted for installation of roll cage and side door bars.
- Fenders may be trimmed for clearance. Plastic inner fender liners may be removed. All edges must be rounded.
- Max of 1 rub rail per side of car, between wheels, only. Rub rails may not be lower than center of hub, no higher than tire. Maximum 1 1/2 inch round tube or 3 inch X 1/4 inch flat steel. Must be welded on or securely bolted through body with 3/8" hardware minimum. Ends must be beveled and tubing ends welded shut. No sharp edges.
- Must have full stock floor in trunk area.
- Hood pins only for trunk and hood removal.
- Side Ground Effects must meet the 5" Minimum Ride Height Rule.
- Stock or aftermarket spoilers up to 4 inches in height allowed. Aftermarket spoilers will be measured from the top of the deck lid in front of the spoiler, to the top of the spoiler. The spoiler must follow the contour of the body. A 4" height max. at ALL points of the spoiler.
- Spoiler can be no wider than the rear of the car.

4. ROLL CAGE:

- Minimum 4 post roll cage made of at least 1.500 inch O.D. tubing with minimum wall thickness of .095 in. (Must have 3/16" inspection hole). Cage must be welded to frame or unibody with plates, and have loop around top connecting the four posts.
- Cage must have horizontal bar behind driver to fasten seat belt to.
- Minimum 3 three driver's side door bars. Minimum 2 passenger side door bars.
- Driver's side must be plated with minimum 1/8" steel.
- All bars in driver's area must be padded. ON ALL BARS anywhere a driver's head, arms or legs can touch.
- Driver's head must not protrude above cage with helmet on and driver in normal driving position.
- Cage must include feet protection bars. Must have foot box plated with minimum 1/8 inch steel.

5. WINDOW OPENINGS AND WINDSHIELD:

- All glass and plastic must be removed. Front windshield opening must be filled with lexan or screen.

- Front Windshield opening must have at least 3 three upright braces for protection, ½” x.065 tubing minimum.
- Maximum 7” tall front Sun Visor allowed
- Driver's side ribbon style window nets mandatory & must be mounted securely (NO ZIP TIES, etc.) to roll bars and latch at the top front of window

6. SEAT & INTERIOR:

- Labeled On/Off master switch is required and must be located in driver's compartment so it is accessible from both sides of car. On/Off master switch must be connected to the battery cable in such a manner that it will cut off all electrical power to car.
- **Recommended:** A master shut off switch to be located behind the driver’s seat which is:
 1. Accessible through the driver side rear side window.
 2. Switch is hooked up to the Negative side of the battery (when battery is mounted behind the driver’s seat.
 3. You are allowed to have 2 master switches (1 for the driver & 1 for the safety crew)
 4. **Required:** all master switches need to be painted Bright Red or Orange,, and display OFF/ON direction.
- Must have full floorboard. Must have Firewalls between engine and driver and between fuel cell and driver. No open holes.
- Steering column, and pedals must remain stock for make and model of car.
- VIN plate must remain visible in the OEM location.
- Console may be removed. Dash may be removed. Unaltered, OEM –OBD terminal must be intact and operational, may be relocated.
- Aluminum High Back Racing Seats only. Must be bolted to frame and roll cage with 3/8 inch bolts minimum.
- **Raceivers Mandatory.**
- **No two way Radios. Anyone caught with a spotter will be DQ’d**
- Quick release steering wheel allowed. Steering wheel must be padded, minimum 2 inch thickness.
- On board fire extinguisher recommended.
- No Mirrors

7. ENGINE:

- Must be 4 Cylinder. Factory Stock for year, make, and model of vehicle.
- Engine must remain in stock location.
- After market engine mounts allowed.
- Engine replacement parts must meet factory stock OEM specifications in every detail and remain unaltered.
- Must use OEM crank, rods, valve size, stroke, etc.
- No aftermarket racing heads.
- No high performance or sport car engines.
- **No Turbos, no Superchargers, no Rotary Engines, Vtec, or VVT engines.**

8. ELECTRICAL:

- Stock Ignition. All cars must have functional starter, button starter allowed.
- Recommended: Batteries be relocated to behind driver's seat & secured with a solid metal hold-down, with the positive cable end covered & aimed/pointed away from any roll bar or metal structure it may be close to. Preferably in a marine style battery box.
- Vehicle computer (ECU) may be tuned & should be mounted in an accessible location for inspection.

9. FUEL INJECTION:

- Aftermarket fresh air pipe & air filter allowed. No ram air.
- No tubes, funnels, or any device controlling the airflow allowed in air cleaner area.
- No cold air boxes or such.

10. EXHAUST:

- Stock unaltered cast iron Exhaust manifold, no headers.
- All engines must use single, Maximum 2" OD exhaust pipe.
- Mufflers Mandatory. (98 db maximum).

11. RADIATOR:

- Stock radiator, in stock location. **No Antifreeze.** Overflow reservoir (minimum 1/2 gallon) catch can required. Must exit passenger side of engine.

12. FUEL & FUEL CELL:

- Racing Fuel Cell (Maximum 16 gallons) Recommended. If used must be behind rear axle, centered in frame and secured with a minimum 1/8 inch X 1 inch steel strap. Minimum 3/8 inch hardware. Aftermarket fuel pump may be used if using racing fuel cell.
- Remainder of fuel system must be stock. If using stock tank, must be in stock location in front of rear axle.
- Gasoline only, Max 93 octane.
- No fuel additives of any kind.
- No Fuel lines passing through interior (driver's compartment).
- No nitrous or other performance enhancing systems.
- No E85

13. DRIVE TRAIN:

- All Drive Train parts must remain stock for make, model, and year of car.
- Stock OEM transaxle only. Transmissions must have all working gears.
- ALL Forward & Reverse gears Must be operational.
- No mini clutches, couplers, torque dividing final drives, welded or posi type differentials allowed.
- No CVT transmissions
- Must have a 1" inspection hole in the bell housing (accessible from the top) to inspect the clutch & flywheel.

- No transmission coolers inside of driver's compartment.

14. BRAKES:

- Stock unaltered brakes only
- No brake shut off or bias adjusters.
- Must have operating brakes at ALL 4 wheels.

15. SUSPENSION:

- Stock suspension only.
- All struts & springs, OEM Only!
- OEM Stock springs can be modified. No racing springs.
- Must run all four springs.
- Max. (1) 360 degree, 2" tall spring rubber allowed PER wheel.
- No toe-in/out allowed in rear axle/wheels. They must be lined up with the front wheels.
- **Maximum camber in Right Front wheels is 6 degrees.**
- **Maximum camber in Left Front & Rear wheels is 2 degrees.**
- Dodge Caravan rear spindle/hub assembly allowed on right rear on all cars as safety hub.(No wheel spacers allowed if you do this).

16. FRAMES/CHASSIS:

- Stock, unaltered frames only.
- All suspension & Mounts must be unaltered, OEM, and match the year, model & make.
- Minimum weight of all hornets will be 2,450 pounds and a Maximum Left Side weight of 55%, and a Maximum of 40% rear weight. (visiting cars/drivers from other tracks may be exempt)
- No weight or ballast can be added to any hornet cars over 2,500 lbs. and they will only be allowed a maximum of 55% left side weight & 40% rear weight Maximum.
- ALL BALLAST must be surely mounted outside of the drivers compartment with a minimum of (2) 3/8" bolts w/large washers, or welded into place. (weights under 5lbs can be mounted with (1) 1/2" bolt & large washers)
- All mounted weight MUST still meet the 5" minimum Ride Height Rule!
- Maximum wheelbase of 107 inches, and must remain within +/-1" from side to side.
- **Rear wheels must track straight ahead no lead.**
- Minimum ground clearance of frame is 5" (with driver out of the car).
- Tow hooks on front and rear of car mandatory.

17. WHEELS:

- Maximum 7" wide, 14" or 15" diameter.
- All Wheels must be the same size.
- OEM Steel or Aluminum wheels only.
- OEM replacement Aero 44 series wheels allowed.
- Must use OEM front wheel drive wheels/rims.
- OEM wheel backspace will be checked.

- One wheel spacer per car, not to exceed 1 inch in thickness. (Cannot use wheel spacer if using Dodge Caravan safety hub on non Dodge cars.)
- Steel Lug Nuts Only. Wheel Weights NOT allowed.

18. TIRES:

- No 50's must be at least 60's. Must be DOT.
- No racing tires.
- No auto cross tires.
- No competition DOT tires.
- No SCCA approved tires.
- Only tires speed rated: M, N, P, Q, R, S, T & H allowed.
- No tires rated: U, V (VR), W (ZR), Y (ZR), or Z allowed.
- Illegal tires will be cut, or drilled, or both.
- 7 inch maximum tread width (ground print).
- BOTH front tires & wheels must be the same size and offset.
- BOTH rear tires & wheels must be the same size and offset. (but they don't have to match the front tire size)

ADMENDMENTS TO THESE RULES MAY BE MADE AT ANY TIME IF CERTAIN TYPES OF CARS ARE DOMINATING.