



2018 Hornet Rules

If the rules don't say you can't, don't assume you can. Tucson Tech has the final say.

1. VEHICLE

- 1.1 Any 3 or 4 cylinder or Rotary engines compact car or truck. Minimum wheelbase 90". Maximum roof height 62". Stock engine for that make and model from the induction system to the exhaust manifold; stock transmission, stock body and frame, and unmodified suspension. Dash, steering, and pedals must remain stock. No hood scoops or air cleaners through the hood. All insulation under the hood must be removed. Officials reserve the right to prohibit the use of any vehicle that they deem unsafe or unfit to race for any reason.
- 1.2 Remove all glass and interior components, carpet; door panels etc. Dash must stay intact. All lights, plastic, door handles and trim must be removed from exterior.
- 1.3 Windshield must be replaced with expanded metal or steel wire mesh and/or Lexan covering the full length of opening. Must have one center support minimum 1" by 1/8" stock. Must have three minimum 1/4" square tubing bars, centered with driver's seat, in windshield.
- 1.4 Batteries in stock location must be secured by minimum 1/8" x 1" steel strap with minimum 3/8" hardware with large head washers. Battery may be relocated in right front floorboard or located behind the driver's seat. It is recommended the battery be fully enclosed in a metal container. Battery must be strapped independently of metal container.
- 1.5 Exhaust; a complete leak free, tight exhaust with maximum size of 2" O.D. must run from engine to 1ft. past driver seat. Mufflers are mandatory - 95 db max.
- 1.6 Steering and suspension must remain stock. No modifications except for a quick release steering wheel. Column must remain stock. Ride attitude must be maintained.
- 1.7 Cooling system; any stock radiator allowed which will fit in stock mounts. An overflow container must be mounted in engine compartment. Water only allowed in radiator.
- 1.8 Gas tank. If stock gas tank is ahead of rear axle it may remain in place. If stock tank is behind rear axle it must be replaced with a fuel cell or marine tank mounted in trunk (maximum 8 gallons). Must be secured by minimum 1/8" x 1" steel traps with minimum 3/8" hardware. Hatchback fuel cells must be covered in a metal case. Cars with electric fuel pumps in tank must have main power cut off mounted and marked on/off in clear site. **Pump gas only**, with an octane rating of no more than 92 octane with no additives of any kind. **RACING FUELS ARE NOT ALLOWED.**
- 1.9 Fire extinguisher recommended. 2 lb BC rated mounted in quick release bracket within reach of driver.
- 1.10 Roll cage is mandatory. Cage specifications are: mandatory minimum 5 point. A single hoop roll bar with two down bars and one driver's door bar from driver's door to front floor pan. Constructed of 1 1/3" x 0.095 diameter tubing, must be welded or bolted with minimum 4"x 4" x 1/8" sandwich plates to the car. Hoop must be full height and width of car. Full cage optional. Front hoop optional.
- 1.11 Driver's door must be chained or welded shut. Driver's door plating is recommended. Passenger door must be chained only. If car is equipped with roll cage, both doors may be welded shut.
- 1.12 **Tire must be DOT street tires. NO racing, autocross, SCCA, ultra-high performance, mud, ice or competition tires allowed. Must be 60 series tires or higher with speed rating of M-T with tread wear of 400 or higher.** ALL FOUR WHEELS AND TIRES MUST BE THE SAME DIAMETER WHEELS. All wheels must be OEM. All offsets must be the same on all four wheels, you can have stagger.
- 1.13 All cars are subject to a minimum specification inspection at any time. It is the responsibility of the driver to prepare their car free of defects and in safe racing condition.
- 1.14 Maximum 3" camber on the right front side using a square at the top of the tire with a 1/4" tolerance allowed.
- 1.15 Maximum 3" camber on the left front side using a square at the bottom of the tire with a 1/4" tolerance.
- 1.16 No camber allowed in rear suspension.

2. SAFETY

- 2.1 Seats & Belts: Folding seats must be fastened in position. Race seat recommended. No fiberglass seats. Stock seat belt optional, racing seat belt must be securely fastened to stock location or roll cage.
- 2.2 Window net is mandatory and must be functional. Must be nylon or net design.
- 2.3 Gloves are required. All helmets must meet DOT standards and be Snell and SFI approved. Eye protection is mandatory (face shield or goggles). Drivers must wear a fire resistant uniform meeting the SFI 3.2A/5 specification.
- 2.4 Rear view mirrors are allowed, racing type only 20 inch long.

3. BODY

- 3.1 The entire body must remain complete and OEM. The only reinforcement allowed is 1×1 square tubing for rub rails the length of the door. No sharp edges.
- 3.2 Bumpers must remain stock and in stock location chained to frame. NO REINFORCING OF BUMPERS. Bumper may be changed but must remain inside fenders. Bumpers must be strapped to fenders.
- 3.3 OEM hood and trunk hinges and latches are allowed but must be secured with hood pins.
- 3.4 No ballast weight may be added.
- 3.5 Floor pan must be complete. Firewall holes must be sealed with minimum 14 gauge steel. NO HOLES.
- 3.6 Tow hooks/chains must be securely installed in front/rear of car.
- 3.7 Cars must be painted/presentable. Cars in primer are allowed a two (2) grace race maximum.

4. PROTEST RULES

- 4.1 A protest fee of \$125.00 dollars will be collected by track officials before a protest is official. If racer is ILLEGAL, funds will be deposited in point's fund. Protest must be filed within 15 minutes of the posted finish of that division's main event.
- 4.2 Failure to comply will result in but not limited to disqualification, loss of monies and loss of points accumulated to that point. If you are found legal, the track will provide gaskets to reassemble.

5. IDENTIFICATION AND MARKING

- 5.1 Management reserves the right to assign or restrict the display of decals, identification and advertising deemed by the track officials to be in poor taste or otherwise detrimental to the betterment of the sport.
- 5.2 Side numbers must be at least 18" inches high and neatly lettered on both sides of the car.
- 5.3 Roof numbers must be at least 24" inches high and readable from the passenger side of the car.
- 5.4 Cars must have 6" tall numbers on front and rear.
- 5.5 All numbers must be of a contrasting color to the area of the car on which they are displayed.
- 5.6 Driver's full name must be a minimum of 3" inches high on the left and right edge of the roof.
- 5.7 Car owners must register choice of car number with track management prior to the start of the season.
- 5.8 Management reserves the right to require a competitor to use a different number at any time to avoid duplication.
- 5.9 Contingency sponsor and or Class sponsor decals and or patches must be in place to receive awards and prize money.
- 5.10 Top 4" inches of the windshield is reserved by Management for a division sponsor.

6. COMMUNICATION

- 6.1 Race Receiver with one way communication from the tower is required.
- 6.2 Transponders for automatic lap scoring/timing is required and must be located near the rear axle and no higher than 12" off the ground.
- 6.3 No other communication devices are allowed.

7. ELECTRONICS

- 7.1 On-board computers, traction control devices, automated electronics, telemetry devices, other than those issued by track management, or digital readout gauges will not be permitted without written approval.
- 7.2 Microprocessors or electronic memory chips will not be permitted.

8. RACE LINE UPS AND WINS

- 8.1 If there is no qualifying, heat race line-up is off weekly pill draw.
- 8.2 Main events start positions are from the finish of the last Main Event race. Main event line-up will be determined by heat race finishes and a pill draw for invert of starting order. Winner of previous week's main event will start no better than 10th in current week's main event.
- 8.3 After every two Main event wins you will have to add 50lbs to the car where tech instructs you. Tech must weigh added weight before it is installed. TS has the right to add more if needed. No pellets or tungsten allowed. All added weight must have two ½" grade 5 minimum bolts with lock nuts and large washers top and bottom approved by tech. In the interest of safety, a \$10.00 per pound fin **may** be assessed to the driver of any car that loses a ballast weight on the track surface. This fine will be paid to and verified by Tech, prior to further competition.

If these rules do not clearly say you can, assume that you cannot.

We are working on a way to make it more competitive for all. Here is one way we can modify or we can do something else. We will discuss it on the 1/19/19 rules meeting.

Breakout time: If a car runs a faster lap than the predetermined break out time that car must add 100 lbs. weight to the front or rear of the car the following race. The car must come to tech with the weight not attached. At that time, the tech officials will sign the weight and determine where the weight will be located. Before the car goes on the track with the added weight a tech official must look at the added weight for safety.