

HORNET RULES

01/31/2023

ELIGIBILITY

1. Experienced drivers are acceptable, but previous race driving experience may disqualify you. Our officials will resolve any questions about your eligibility.
2. It is the goal of this class to have fun and race in an inexpensive way.
3. This is a beginner class and will be treated as such!!!
4. Past champions must be approved by track officials to compete in this class.

COMPETITION

In the interest of competition, the track officials have the right to add weight to any car deemed to have a competitive advantage even if the car conforms to the stated rules. Officials to determine how much weight will be added. This will be added after any feature event and the weight will be added to the total weight of the car at the time of the event. The car must be within 1 percentage point with front end percentage and right side weight after the penalty weight has been added.

ELIGIBLE MODELS

Any 3 or 4 cylinder compact car. Maximum wheelbase of 104".

INTERIOR

1. Quick release steering wheels allowed.
2. Racing seats required.
3. Interior floor pan must be complete. No holes.
4. All airbags must be deactivated.

BODY

1. Sun roof openings must be closed with steel.
2. **A complete windshield is required or an approved screen. OEM glass permitted. Must not be cracked in the driver's vision area. May be replaced with 1/4" thick lexan. Lexan must have three evenly spaced support braces. Braces must be minimum 1"x1"x1/8" steel angle iron. A reinforced, 1/2-inch or smaller, steel wire mesh windshield screen is permitted instead of the front windshield. The wire diameter must be no less than 0.063- inches for mesh larger than 1/2-inch, or no less than 0.035- inches for mesh smaller than 1/2-inch. A minimum of three reinforcements must be installed behind the wire mesh. The reinforcements must be bolted or welded to the roof panel or roll bar and dash panel in an approved manner. Mesh/screen must be edge wrapped and burr free. Lexan windows may be used in the rear pillar opening.**
3. Driver's door must be chained or welded shut. Driver's door plate or minimum of 2 bars which is part of the roll cage is recommended.
4. Passenger door chained only.
5. Aftermarket front and rear bumper covers allowed.
6. Hood and trunk must be secured with hood pins only. All factory hood and trunk latches must be removed.
7. No gutting of steel body panels.
8. **Spoiler permitted. Spoiler must be clear lexan. Spoiler not to exceed 5" high as measured, base to tip, and may not be 56" wide or be wider than the body.**
9. **Skirting is permitted but must maintain OEM body appearance. All body and suspension components must have a minimum of 4 1/2" ground clearance.**
10. Stock ride height must be maintained.

ENGINE COMPARTMENT

1. Stock engine for that make and model from carburetor to the exhaust manifold.
2. Stock transmission.
3. All insulation under hood must be removed.
4. Battery may be located inside the driver's compartment but must be covered for safety. Secured by minimum 1/8" x 1" steel strap with minimum 3/8" hardware with large head washers.
5. Exhaust complete and leak free. Maximum size of 2" O.D. must run from engine to an area behind the driver.
6. No reprogramming of ECM at all. No performance chips.
7. No Performance Upgrades.
8. Factory Airbox required.

SUSPENSION

1. Steering and suspension must remain stock. No modifications. Ride attitude must be maintained.
2. 1" camber allowed. Measured with a carpenter square. Right side only.
3. Rear toe must be within 1/8 of an inch in or out. No rear steer.
4. Springs may be replaced but no other modifications allowed to existing stock spring buckets. Any evidence of cutting, moving or changing the geometry of the stock buckets will result in not passing tech. Tabs or other retainers are allowed in stock buckets to hold springs in place.
5. Springs must be same size in diameter and length across an axle.

WEIGHT

<u>Cubic Centimeters</u>	<u>Minimum Weight</u>
0-1599	2250 lbs.
1600-1799	2300 lbs.
1800-1999	2350 lbs.
2000-2299	2400 lbs.
2300-2400	2450 lbs.

Add 25 lbs. for engine over 120 HP

Add 50 lbs. for engine over 130 HP

Add 75 lbs. for engine over 140 HP

Add 100 lbs. for engine over 150 HP

Add 125 lbs. for engine over 160 HP

Add 150 lbs. for engine over 170 HP

Add 175 lbs. for engine over 180 HP

Add 200 lbs. for engine over 190 HP

Add 225 lbs. for engine over 200 HP

All weights subject to adjustment by management.

1. Feature winner will start last next time they compete.
2. All weights include driver.
3. All weights securely bolted (2 bolts of 1/2" diameter per piece minimum, with large washers or sandwich plates) outside of driver's compartment to frame or cage (equally distributed left to right), must be painted white, and have car number on it.
4. All cars will display the minimum weight for their car on the left side "A" pillar.

COOLING SYSTEM

Any radiator allowed which will fit in stock mounts. An overflow container mounted in engine compartment. Water only in radiator. No anti-freeze \$50 FINE

GAS TANK

If gas tank is ahead of rear axle it may remain in place. If gas tank is behind axle it must be placed with a fuel cell or marine tank (max. 6.6 gal.). Must be secured by minimum 1/8" x 1" steel strap with minimum 3/8" hardware. Must be covered in hatchback in a metal case.

TIRES / WHEELS

1. Tires must not exceed \$80 MSRP. Stock passenger car radials only. Management may claim any tire for \$70.
2. All tire brands must be T or H rated and have prior approval from management.
3. Minimum Durometer reading of 60.
4. Minimum UTQG rating of 380.
5. Wheels must be same diameter across axle.
6. 13" tires, maximum width P195, minimum 60 series allowed.
7. 14" tires, Maximum P205, 70,65, 60 series allowed 8. 15" tires max P195, 70,65. 60m series allowed
8. 15" tires max width P205, 70,65 & 60 series allowed
9. 16" tires max P205, 70, 65, 60 series allowed.
10. Aftermarket racing wheels allowed with 4" backspace and max width 7".
11. One inch lug nuts are required.
12. Tomah-Sparta Speedway reserves the right to disallow any tire we feel resembles a performance type tire.

SAFETY

1. Helmet must meet minimum Sa2000 Snell approved.
2. Gloves and long sleeves required.
3. Fire extinguisher required. 2 lb. BC rated mounted in quick release bracket within reach of driver.
4. Window nets and racing seatbelts are mandatory.

ROLL BAR AND SIDE BARS

1. All vehicles must be equipped with a roll bar. The material used must be 13/4 x .095 or better milled steel. No pipe fittings, exhaust pipe, or conduit.
2. Door bar or plate **REQUIRED** for four door hard tops with no door post.
3. The roll bar must be located directly behind the driver and reach as close as possible to the roof and the left side of the car.
4. Two support bars must be added to roll bar to form a triangular, strong structure.
5. Driver compartment bracing must remain inside the driver's compartment and may not dissect, bisect or pass through either the engine or trunk firewall. Such bracing may be installed as a safety feature only and may not reinforce the body or frame or alter the geometry of the car.
6. Roll bar installation is subject to inspection which will be closely scrutinized. Refer to illustration for possible designs.



NOTE: Four door hardtops (no door post must have door bars or plate as described below.

A flush, securely mounted exterior driver's door protection plate is permitted as an option.

NOTE: Plate must be same color as car body (entire door area may be white) and properly numbered.

NOTE: The plate should overlap the front and rear door edges by at least 12 inches.

CAR NUMBERS

1. Minimum 18" high numbers in contrasting color on both doors and roof.
2. 6" number on upper right corner of windshield and on back of trunk - right side above tail light.
3. NO spray painted or "duct" tape numbers. Cars with non-legible numbers will not be scored.

Miscellaneous

1. Safety is the number one concern. If you have questions about cages, seats, fuel cells, etc. please ask TSS officials – we are here to help.
2. Anything we see that may pose a threat to injure or cause damage will be required to be corrected
3. This class will not allow manipulating the rules to your advantage 4. No two-way radios. Receivers required for all drivers.
5. Cars will present a favorable image meaning dents should be pulled and paint retouched week to week.
6. We all should strive to present a true image of sportsmanship-behave and drive accordingly
7. This is not an "anything goes" demolition style class.
8. Drivers wishing to return to this division after competing in a "higher" division will not be allowed. You may however contact MIS promoter to plead your case prior to season or race event.
9. Team driving will not be allowed. Championship points will be awarded per your finishing position. If drivers are disqualified, drivers behind them will advance.
10. TSS reserves the right to CLAIM any car at any time for \$1,250. It does not include the driver's seat or seat belts. If a claim is refused, driver will forfeit all points, and driver and car will not be allowed to compete for the remainder of the season. Management may claim any competitor's computer for \$100.
11. Scanners required. Frequency is 454.000. **Transponders required.** Location of unit determined by track.
12. **The point champion is ineligible to compete in the Hornet division the following year.**
13. Management reserves the right to adjust any and all rules for safety or to enhance competitiveness.

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END OF HORNET RULES SECTION