

2016 MTS Hornet Rules

(Last Updated: 3/9/16)

ELIGIBLE MODELS

1. Any 4 cylinder front or rear wheel drive car with a maximum wheel base of 104".
2. Must be 2, 3 or 4 door car only. No pickups or station wagons.
3. No 4 wheel drive or all wheel drive

INTERIOR

1. Interior of car must be completely gutted and removed except for the dash which may remain for electronics. Metal dash may be fabricated to replace factory dash. Interior must remain open, no boxing of interior
2. Must have firewall between engine and driver with all openings covered.
3. Must have rear firewall between driver and trunk if you have a trunk mounted fuel cell.
4. Must have master on/off switch labeled and located for easy access for safety personnel to reach from both sides of car.
5. Master switch must shut off engine and fuel pump.
6. OEM steering and related components located in stock mounts and locations. Quick release steering wheel allowed.
7. Racing style seat mandatory.
8. 5 point safety harness required. Safety belts should be mounted to roll cage/chassis/frame, shoulder belts must be mounted at least 2 inches below the top of drivers shoulders
9. Driver's side window net with easily accessible latch mandatory
10. No mirrors of any kind will be allowed
11. One 12 volt battery only, must be securely mounted, may be moved to trunk area, must be securely mounted in a marine type case, if left under hood positive terminal must be covered.

BODY

1. Sun roof openings must be closed with steel.
2. Remove all glass. All broken glass must be removed from inside of car before arriving at track.
3. No glass, plastic windshields allowed as long as it does not inhibit visibility under all racing conditions

4. The driver's side windshield must have 4 or more 3/8 inch bars evenly spaced in front of driver, a screen over the bars is recommended
5. Driver's door must be chained or welded shut.
6. Doors can be gutted for fitting door bars
7. Bumpers must be chained to frame.
8. Hood and trunk must be secured with hood pins only. All factory hood and trunk latches must be removed.
9. All exterior lights, trim and hood insulation must be removed.
10. Working third brake light optional.
11. Working tow hooks front and rear mandatory.
12. Stock ride height must be maintained
13. Car must weigh 2300 lbs. after race

ROLL BARS -- SIDE BARS

1. All vehicles must be equipped with a six point roll cage. The material used must be 1 1/2" X .095 or better milled steel.
2. No pipe fittings, exhaust pipe, or conduit.
3. Properly constructed four post main cage with connecting hoop around the top and two down bars from rear of top hoop to rear of car, rear bars cannot anchor to the top of rear strut towers.
4. Cage must have a horizontal or cross bar behind the driver to fasten the seat to.
5. Uni-body cars must have a minimum steel 4"x 4"x 1/8th inch plates welded to the floor for cage base.
6. Three driver side door bars evenly spaced and parallel with body and welded to front and rear down tubes of roll cage, two vertical pipes between each door bar mandatory
7. Driver door plate mandatory, must be at least 18 gauge or minimum .040 steel, must go from rear down bar to 5 inches ahead of drivers seat and from top of door bar to bottom door bar, can be welded or bolted to bars
8. Two passenger side door bars required with two vertical bars in between door bars evenly spaced
9. Vent bars on both sides are mandatory
10. Outside door bars allowed. One per side. Must fit between front and rear wheel openings. Must be steel-flat bar, must be securely fastened. No sharp edges.
11. A 6 inch sun visor all the way across the front is allowed

ENGINE COMPARTMENT

1. Stock engine for that year, make and model.
2. Engine must remain in stock factory location.

3. All engine rotating assembly must be stock from harmonic balancer and thru to the fly wheel
4. No alterations of any kind allowed to the intake side, will be checked with bore scope, no match porting, grinding, polishing, acid porting.
5. Engine oil will be drained in order to check rotating assembly with a bore scope, bore scope has a 1/4 inch lens, if there is a restriction in the drain plug hole, you will have to drop the pan, if it is to labor intense (pulling motor) to do at the track, you will forfeit the nights earnings and points
6. Aftermarket air filter system allowed (K & N)
7. No turbos, superchargers, or mechanical/electrical air induction
8. Aftermarket exhaust allowed.
9. Aftermarket ignition and coil allowed.
10. NO aftermarket on-board engine management systems.
11. Fuel injection system or carburetor must be stock for year, make and model of car and engine used.
12. Stock transmission.
13. Must have working forward and reverse gears.
14. All insulation under hood must be removed.
15. Exhaust complete and leak free. Maximum size of 2" O.D. must run from engine to an area behind the driver. Out the back - no side exhaust
16. Catalytic converter can be removed.

SUSPENSION

1. All suspension components must remain stock and in stock OEM locations and attach to OEM factory mounts on the frame or chassis.
2. Rear wheels must track straight with front wheels
3. 1" of camber allowed. Measured with tech inspector's carpenter square.
4. Maximum 1" of toe in or toe out allowed. Strut braces allowed.
5. Strut braces allowed
6. No locked differential, must remain stock and open

COOLING SYSTEM

1. Any radiator allowed which will fit in stock mounts.
2. An overflow container must be mounted in the engine compartment.
3. Water only in radiator. No anti-freeze.

GAS TANK

1. Cars with OEM fuel tanks located in front of the rear axle may remain but must have a skid plate on the bottom side of the tank for protection. Tank and skid plate must be securely mounted.
2. Cars with OEM fuel tanks located behind the rear axle must be removed, must install a fuel cell in the trunk area.
3. No plastic fuel cells
4. Fuel cell must be in a metal container and must be mounted by at least 2 straps and a minimum 1/8" X 1" steel strap with minimum 3/8" hardware.
5. Aftermarket fuel pump allowed.
6. Metal fuel line.
7. Firewall between driver and fuel cell mandatory.
8. No racing fuel allowed.
9. No nitrous or fuel additives.
10. Street pump gas only, maximum 93 octane
11. Race gas purchased at the pump is not allowed

TIRES, WHEELS & BRAKES

1. Must be DOT approved.
2. No racing tires. No autocross, no SCCA approved tires, no competition DOT.
3. Only tires speed rated M, N, P, Q, R, S, T, or H allowed.
4. No tires rated U, V (VR), W (ZR), Y (ZR) or Z allowed.
5. Maximum footprint of 6.5"
6. Must use 1" oversize lug nuts on all steel wheels
7. Stock aluminum rims allowed
8. No spacers allowed.
9. Offset rims allowed.
10. OEM factory drum or disc brakes must be functional on all four wheels.
11. No brake bias or manual proportioning valve.
12. No wheel weights of any kind.

SAFETY

1. Helmet must meet minimum DOT standard, suggested Snell 2000 approved.
2. Drivers suit, gloves and non flammable shoes mandatory
3. Roll bar padding, neck braces, and head and neck restraints are highly recommended

CAR NUMBERS

1. Minimum of 18" high numbers in contrasting color on both doors and roof.
2. No spray painted or duct tape numbers. Cars with non-legible numbers will not be scored.

GENERAL

1. All cars are subject to a minimum specification inspection at any time.
2. It is the responsibility of the driver to prepare their car FREE of defects and in safe racing condition.
3. Any change requested by a MTS track Tech must be implemented before the car will be eligible to race again.
4. Any car winning 2 consecutive features will be required to add 100 to 400 lbs. and start in the rear of the feature for the next two features. MTS officials reserve the right to change any cars weight and maintain that weight for the remaining race season to even the performance field
5. As of 7/1/16 transponders will be mandatory, MTS will set up a drivers input meeting the first night of racing and start a hornet committee to decide where they should be located and other decisions that may need to be made.

ELIGIBILITY

1. Experienced drivers are acceptable.
2. It is the goal of this class to have fun and race safe in an inexpensive way.

MTS Tech officials will have final say on legality or safety concerns.