

2010 Hornet Rules

MODELS: Any four cylinder or rear wheel drive car with a maximum wheel base of 110" on rear wheel drive allowed. Volkswagen beetles will be allowed. No four-wheel drive vehicles allowed.

CHASSIS: Wheel base must be stock, no tube or racing chassis allowed. Car frame and body must be stock. Only stock components on these cars. Suspension is to remain stock; only one spring per wheel assembly, no adjustable struts, no after market sway bars, shackles must be in stock location. Steering components must remain stock.

BODIES: All body parts must remain factory. O.E.M. parts must remain factory specs. All body parts must remain in original mounts. Body parts must remain stock in appearance. Fenders may be trimmed to clear tires and must be rolled inside. All cars will start each race with all body parts in place unless approved by tech. It is legal to run a front or rear bumper cover from another make or model as long as that bumper cover is not after market. Appearance will be neat and clean at all times. No holes in hood or deck except for air cleaner. Stock floorboards and firewalls to remain intact. Holes must be covered with 20 gauge steel. Full firewall required between driver and fuel cell compartment. Doors are to be welded or bolted shut with .5" bolts. All metal, chrome, glass and burnable material must be removed. Trunk and hood are to be secured with hood pins. All cars must be neatly painted and numbered. Numbers must be at least 18" high and placed on both sides and the roof. No reflective numbers. Factory windshield or hardware cloth/mud screens are legal. On mud screen, you must have three evenly spaced strong vertical bars to be installed in windshield opening in front of driver. Mud screen to be steel fabric with holes no greater than 5/8" x 5/8". Mud screen must be securely attached. Bumpers must be stock in appearance with no sharp edges or ends that will hook other race cars. If your bumper covers come off during a race they have to be back on at the next race. You cannot reinforce a damaged front or rear bumper greater than factory OEM condition.

ENGINES: Must be stock for year, make, and model of car. Engines must remain in stock location. You may reinforce motor mounts, which must be stock for year, make, and model. **Only one cam per engine**, must be stock for year, make, and model. No high performance race engines. Stock carburetor or fuel injection for year, make, and model. Exhaust manifold must be stock for year, make, and model. No porting polishing of intake or exhaust manifold. 2.5" maximum diameter exhaust. Must run mufflers securely attached and must pass tech. Only stock transmission or trans axle for year, make, and model. No high performance parts or aftermarket parts allowed: clutches, flywheels, etc. Stock rear end for year, make, and model.

FUEL TANK: Fuel tank in front of axel may stay, but fuel tank behind axel must be moved to trunk area. A boat tank enclosed in a metal container may be used if tech approved. Boat tank must be placed as far forward as possible.

FUEL: Pump gas only. No nitrous oxide, alcohol, or nitro methane allowed. No red or blue fuel allowed. If fuel lines run through driver's compartment they must be enclosed in steel or steel braided line with no fittings.

FUEL PUMP: Stock fuel pump only. If electric pump is used it must turn off with ignition or properly labeled ignition or kill switch.

ELECTRICAL: No magnetos of any kind. Electric ignition is allowed as long as it is stock for year, make and model. No dual point distributors. Stock equipment only. No after market, high performance, or made for racing equipment. Engine must be self starting.

WHEELS AND TIRES: Any aluminum or steel wheel with the maximum of 8" width allowed. All-season tires. No speed rated or snow and mud tires. No studded tires. All four tires may be different sizes for stagger on rear wheel drives. Front wheel drives may only stagger the rear tires. Front wheel drives must run same size tires in the front.

BRAKES: Must have stock four wheel brakes in good working order. No adjustable proportioning valve allowed.

ROLL CAGE: Demo style hornet safety configuration is legal in 2010. One vertical rollover bar directly behind the center of the front seat. Minimum of three inch steel. A second vertical rollover bar is required on the passenger side seat area near the front window. Minimum of three inch steel. The top and bottom of both rollover bars must have two steel plates sandwiching the body. Two spreader bars (NASCAR legal roll cage tubing) to travel horizontally from door post to door post; one high, approximately three inches below side window, one low, approximately four inches above the floor board. **Roll cage is highly recommended.** Full four-post with one diagonal and two back braces with minimum of 1 3/4 inch x .095 wall steel tubing with gussets on all roll and door bar corners. No galvanized or black pipe allowed. Three horizontal bars with two connecting braces on driver side. Two horizontal bars with two connecting braces on passenger side. Connecting bars to be welded to the frame in all uni-body car. Roll cage must have a minimum of 1/4 inch x 4 inch steel plate under roll bar post and securely fastened to the racecar. Four bolts each or attached to the frame rail. Extra reinforcement allowed. Make roll cages safe! Roll cages must pass tech, no exceptions. Two steel door bars no less than four inches wide and 3/8 inches thick must be mounted to the outside of the car. They must extend six inches beyond doors and securely bolted to the racecar. Cars built for other tracks will be allowed with possible minor modifications for safety.

SAFETY: Driver shoulder harness seat belt to be secured to the top spreader bar. Driver lap belt to be secured to the bottom spreader bar. Tech approved OEM bucket seat is legal. A high back aluminum recommended seat must be mounted to roll cage in steel frame and secure. Driver harness must be five point design with 3 inch lap and shoulder harness. Harness will be secured properly. Mounted to roll cage. No old, faded, belts allowed. Drivers approved window net is mandatory. Nets are to be properly attached to roll cage and are to be released from the top. Nets are to be tech approved. Helmets are to be rated Snell 95 or newer. Fire suits mandatory, in good condition with no holes. Fireproof gloves or leather gloves mandatory. Fireproof racing type shoe or leather high top shoe mandatory. Neck brace (helmet support) mandatory. Must have a minimum of 2 lb fire extinguisher mounted in a quick release bracket within reach of the driver. **Extinguisher must have a current certification at all times.**

MISCELLANEOUS: No aluminum drive lines. All cars will have a hook, chain welded to front

and rear of car for towing. No NOS allowed. No turbos, nitrous, blowers, or performance chips. No two way radios allowed. **No mirrors.**

YRA reserves the right to add weight to any car the proves dominant.