

## **2012 VIRTUAL HORNET (4 & 6 CYLINDER) RULES**

### **These Rules are to incorporate Hornets and Virtual 6 (V6) classes**

#### **NOTICE:**

Raceceivers will be required equipment for the 2012 season. "NO EXCEPTIONS" .This will be a No point's class, it is all about having fun! Trophies & Cash Awards will be presented at the end of every feature in 2012 and Special Awards will be presented at the banquet.

These rules are set to provide for an inexpensive class for the novice driver. This class is designed to give the entry level person the opportunity to experience the thrill of racing, yet it is not limited to beginners. However, the track will use its own discretion in determining who may be eligible to compete in this class. Any interpretations of the rules are left to the officials, whose decisions are final. Just because it is not written, does not mean you can do it. The three words to remember in this class are STOCK, STOCK, and STOCK.

#### **NOTICE:**

If you are considering building or purchasing a car to run in the Virtual Hornets, we highly recommend you receive pre-registration approval prior to doing so. There may be cars that have been permanently suspended from A.C.S. because of rule infractions. Please call if in question at (810) 686-9500

#### **NOTICE:**

Due to many makes and models available for use, restrictions may be added to any specific make or model to maintain fair and equal competition.

### **ELIGIBILITY**

1. Only 4 cylinder rear & front wheel drive sedan type bodies + truck & mini-van with American nameplates from General Motors, Ford, and Chrysler. Any 6 cylinder front wheel drive "only" car or mini-van," No Trucks", with American nameplates from General Motors, Ford and Chrysler.
2. No convertibles, two seat coupes or station wagons.
- 3 No turbo, multi-carburetor, rotary, mid or rear engine, Cosworth, Neon ACR, Magnum, RT.
4. Factory stock fuel injection allowed. Carbureted engines must retain the stock factory produced intake and carburetor.
5. The use of O.E.M. performance or after market performance parts is not allowed.

## **BODIES AND CHASSIS**

- A.** Must be stock and in stock location.
- B.** No adjustable struts/shocks.
- C.** Neon's - May replace the factory 8mm right front hub with a 10mm hub.
- D.** Body and frame must match the same make and model and year.
- E.** Must have full windshield (Lexan may be used) with all the other glass removed.  
Lexan quarter windows allowed.
- F.** Front and rear firewalls must be original and in stock locations.
- G.** All holes and openings in firewalls must be covered with metal.
- H.** Aluminum racing seats that are properly mounted are MANDATORY. (No fiberglass seats)
- I.** Dash must remain in stock location.
- J.** No mirrors.
- K.** Stock radiators mounted in stock location only.
- L.** Battery relocation is OK with proper mounting to stay in place in accidents. No batteries mounted in driver's compartment.
- M.** No pedal extensions.
- N.** Must have a battery kill switch easily accessible to driver and from outside vehicle.
- O.** Doors must be welded or bolted shut.
- P.** Interior door panels, upholstery, and head liner must be removed.
- Q.** Tube may be reinforced between cage and strut tower. A tube may also extend beyond the strut tower to the front, continued across the front end at the opposite strut tower but may not compromise the original unibody construction. No non-factory tower to tower brace. Tube may not extend beyond front core support.
- R.** Hoods & deck lids must be held shut with hood/deck pins and must be able to open by track official without the use of tools or special mechanisms.

## **BRAKES**

- A.** Must have 4 wheel hydraulic brakes in working order.

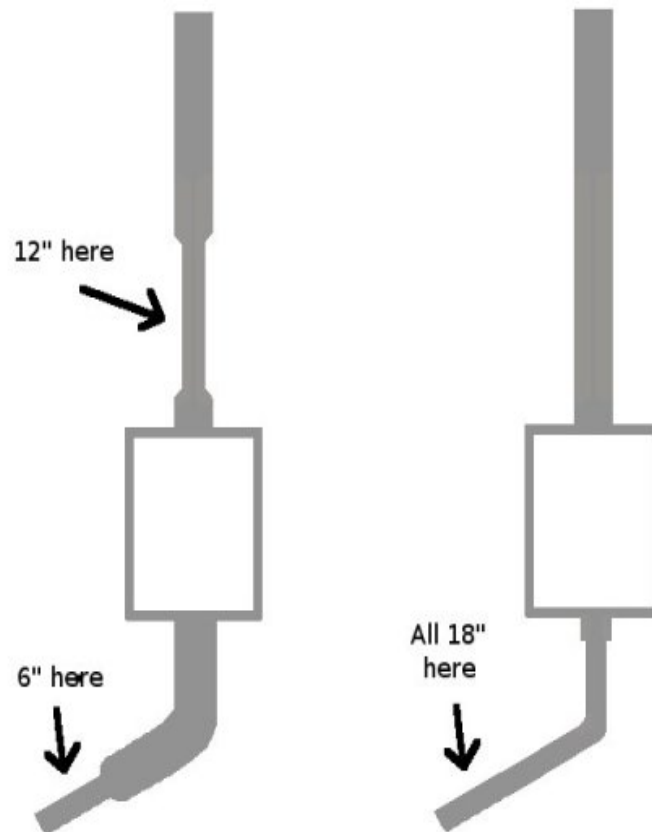
## **ENGINE**

- A.** Engines must be stock for make, model and year of car. No mixing & matching.
- B.** No altering of the stock motor that vehicle was manufactured with.
- C.** No altering or mixing & matching of fuel induction systems. If your car came with a fuel injection system, it must remain an unaltered, stock fuel injection system. If your car came with a naturally aspirated carburetor, it must remain a stock unaltered carburetor. NO EXCEPTIONS!

## EXHAUST

- A. Must be stock from manifold back.
- B. Catalytic converters must be removed.
- C. Mufflers are mandatory & maintain noise level with a maximum 95 DB reading.
- D. Maximum O.D. outlet size is 2" for the last 6" and must exit behind driver and be fully visible.
- E. No exhaust leaks allowed.
- F. All Neon's with automatic transmissions are required to have at least 18 inches of 1.5 Inches OD pipe. Of this 18 inches, at least 6 inches must be at the very end of the exhaust. The remaining 12 inches may also be at the end or anywhere else that is convenient such as before the muffler. Neon's with manual transmissions are required to have at least 24 inches of 1.5 inches OD maximum pipe.

The following illustrates two different examples for the placement of an exhaust restriction that must be at least 18 inches long:



## FUEL SYSTEMS

- A. Fuel tanks to be mounted in trunk and secured with two 1" metal straps (made for racing for fuel cells are recommended). May run plastic gas tank if it is located in front of rear axle, under floor pan, and is fully covered with a steel skid plate. Fuel lines must run below floor pan. Tanks that are mounted in the trunk must have protective hoop and 10" of ground clearance.
- B. External electric fuel pumps allowed, but must be wired to oil pressure shut down switch.

## SUSPENSION

- A. Must be factory stock and in stock location with no alterations and must match year, make and model.
- B. Adjustments to camber will be limited to stock factory adjustments with a maximum of 6 degrees at RF wheel and 2 degrees at all other wheels.

## TIRES AND WHEELS

- A. Steel (OEM) wheels only, stock for that year, make and model. Chromed allowed.
- B. Max. width of 6" steel wheels only.
- C. Any D.O.T. stamped tire. Max width P195, min. 70 series (no 65, 60, etc series). Min. tread wear rating of 300.
- D. All four wheels and tires must be the same size.
- E. No altering tread face of tire in any way!

## TRANSMISSION

- A. Stock automatic & stick shifts only.
- B. Stock converter with no alterations for automatics. OEM style clutch for manuals.
- C. Must have working forward and reverse gears.

## WEIGHT

- A. **Minimum weight of 2300 lbs for all engines. For Neon's and any other allowable cars with 12 or 16 valve 4 cylinder engines: \* Weight is 2450 minimum, 2500 for DOHC 4 cyl.**
- B. All weights are post race with driver.
- C. Weight will be added for rule infractions.

Auto City Speedway - 2012 Official Rule Book  
**VIRTUAL HORNET (6 & 4-CYLINDER) RULES**  
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