BOMBER SPECIFICATIONS

IMPORTANT NOTICE

The following specifications have been prepared by Portsmouth Raceway Park, Inc. as guidelines for the construction of a Bomber. In conjunction, no warranty of safety is expressed or implied as a result of this publication of rules. These rules are intended as a guide and are in no way a guarantee against injury or death to participants, spectators, or others. Anything not covered by these specifications should be approved by the various track officials and be placed in writing. Continuous developments in auto racing and technology may necessitate changes in these specifications. However, it is our intent to enforce and police these rules throughout the season. If a change is necessitated, technical bulletins will be prepared and distributed in advance.

NOTICE: ALL RULES ARE RACE READY

Track officials have the final say in determining the eligibility of all participants.

1. **BODY**

A. Any American made steel production body, passenger car. (1960-1992) No sub- compact such as Vega, Pinto, etc.

B. All doors must be bolted or welded shut.

C. No chopping, shortening, or cutting on body allowed., except for tire clearance only.

D. May remove front inner fenders.

E. Rear wheel tubs and trunk must remain.

F. Sheet metal for sides to replace damaged doors or quarters. **NO ALUMINUM.**

2. **CHASSIS/FRAME**

A. Must be full frame. Uni-Body may be used but must be tied together with 2 " X3" minimum tubing.

B. 108" wheel base minimum.

C. There must be a lifting hook securely attached to the frame at both the front and rear of vehicle. Lifting hook must be easily accessible by tow truck operator.

D. No radios allowed.

E. No weights allowed.

3. **BUMPERS**

A. Must be stock.

B. Must be welded to frame.

4. **INTERIOR**

A Bracing bars may extend forward or rearward through firewalls for safety purposes only and welded to the back of the bumpers and frame.

B. Interior must be gutted completely.

C. Front and rear firewalls must be completely covered with sheet metal.

D. Approved racing seat only. Must be properly framed and securely mounted to roll cage. No factory buckets of any type and must be mounted in stock location - 3 " in front of rear door opening.

E. Must have standard firewall and floor board.

G. No mirrors.

H. Must have 4 point design roll cage, 1 3/4" O.D. minimum, mild steel.

I. Minimum 3 door bar driver side and 2 door bar passenger side.

5. **ENGINE**

A. Must be stock appearing.

B. MUST BE IN STOCK LOCATION.

C. Cast iron intake, heads, and blocks.

D. GM to GM, Ford to Ford, etc., only. Except rearends.

E. Stock battery ignition only. No dual point distributor. No magnetos.

F. No electric fuel pumps.

G. Headers are permitted.

6. **CARBURETORS**

A. 2 barrel carburetor.

C7.**BRAKES**

A. Must have 4 wheel brakes.

B. Drum or disc allowed.

C. No double master cylinder.

8. **REAREND**

A. Passenger car or 1/2ton truck only.

B. Posi-trac OK. Rearends may be locked.

C. 'Floater' rearends allowed.

9. **TRANSMISSION**

A. Standard or automatic transmission of production type. (Must have torque converter)

B. Transmission must have I forward and reverse in working order.

C. Clutch must be in working order.

D. Bert transmissions allowed

IO. **WHEELS AND TIRES**

A. Steel wheels only. 8" maximum.

B. Racing type wheels allowed,

C. 70 series DOT tires only. Must be passenger car type. Modified tires may also be used: (Hoosier only). A40 or D40 and also A40S and H.

D. Recaps may be used if produced on passenger car casings.

E. No mud grips or snow tires.

F. Reinforced right front wheel.

G. I" Hex lug nuts **REQUIRED**.

H. Bead Lock - Allowed on all four wheels.

11. **SUSPENSION**

A. All steering components must remain stock as per car. Camaros must have leaf springs.

B. No shortening or lengthen of A-arms.

C. Shock mount in stock locations. 1 shock per wheel only. No adjustable shocks.

D. No weight jacks allowed front or rear.

E. Steering - Quickener Allowed.

12. **SAFETY**

A. 2 1/2pound dry chemical fire extinguisher with gauge, charged, located within easy reach of the driver and securely mounted. NO TAPE.

B. Fuel cell mandatory. Must be properly mounted in trunk area.

C. Snell 85 helmet required.

D. 5 pt. safety harness required. 3 " lapbelt and shoulder harness w/ aircraft quick release type latch. NO passenger car belts of any type. Must be bolted to roll cage w/ no less than 7/16 bolt.

E. Driveshaft loop is required and must be constructed of at least 1/4" by 2" steel and should be mounted no more than 6" back from front of drive shaft. 1/4" chain, or larger, can be used in place of steel strap.

F. Battery location optional. If mounted in driver compartment must be enclosed and securely mounted in marine type battery box.

G. All glass, chrome, interior, and exterior trim must be removed.

H. Fire resistant driver uniform mandatory. Fire resistant gloves highly recommended. Flame resistant coveralls are not permitted.

I. Approved racing seat with appropriate tubular framing only. No factory production type seats of any kind.

J. Driveshaft must be painted white or florescent color.

13. **APPEARANCE**

A. All cars should be neatly painted w/ numbers painted 18" high on sides and 24" high on roof, and all numbers to be 3" thick.

B. All cars must be neat in appearance, painted to look like a race car and be neatly lettered. Badly wreaked cars must be straightened.