

## **4-CYLINDER BOMBER RULES**

- Any 4-cylinder front or rear wheel drive car with a maximum wheel base of 106" and a completely stock, un-altered frame and suspension, with the following exceptions are legal.
  - NO sports cars, high performance or limited production vehicles.
  - NO rotary, turbo-charged or super-charged engines.
  - NO bracing anywhere except inside the drivers compartment.
  - All dash and steering panels must remain stock and unaltered for that make and model of car.
  - All insulation under the hood and trunk must be removed.
  - All glass and lights must be removed. All loose materials, broken glass must be removed from car.
  - All airbags, if equipped, must be disarmed, discharged or removed completely.
  - Dual overhead cam engines are allowed.
  - Third brake light in rear window must be in working order.
  - All parts on car should be stock as supplied by manufacturer unless otherwise specified in rules.
  - Any alterations or modifications done to a race car, other than those identified in these rules will be subject to disqualification.
  - Any additional weight or lead added for handling purposes is subject to disqualification.
  - All cars are required to have a take-off steering wheel. Mandatory by 3rd week of season
  - OEM Stock bumpers or maximum 1 3/4 inch X .095 tubing bumper plus one(1) loop bar above bumper maximum twenty-four(24) inches wide by six(6) inches high.
- All bumpers must be turned back towards frame rails and have no sharp or blunt edges exposed.
- **FWD;**
  - 8V box stock, stock appearing intake and cast exhaust  
1# per CC plus 200#, (IE 1800cc runs at 2000#)
  - 8V, Holley, stock cast exhaust manifold  
1# per CC plus 300#, ( IE VW at 1800 plus 300# or 2100#)
  - 12 or 16V box stock , (IE Neon) 1#per CC plus 400#
- **RWD.**
  - Mustangs at 2350#
  - Toyota 2.2 at 2400#
- Stock, unaltered transmission/ trans-axle for that make and model of car.
- Battery must be secured inside of car and covered from driver. Only one 12 volt battery per car.
- Open differential rules.
- Passenger tires ONLY. Wheels and tires must be of like size. (NO mixing of wheel or tire sizes on car.)
  - Tire sizes: 13" tires may be no larger than 185-70-13.
  - 14" tires may be no larger than 195-70-14.
  - Wheels may be racing wheels or double plated and use larger lug nuts.
  - Maximum offset is 3 inches. Maximum width is 6" (5" inside bead to bead)
  - Maximum of 3 degrees camber is allowed in front end or rear end.
  - DOT tires only as used on street. No Mud tires, snow tires or high performance tires.
  - NO GROOVING OR SIPING OF TIRES ALLOWED.
  - NO SOFTENING OR TREATING OF TIRES IN ANY MANNER.
- Gas tank: If stock gas tank is ahead of rear axle, it may remain in place. If stock gas tank is behind rear axle, it must be replaced with an approved fuel cell or boat tank (maximum of 8 gallons). Fuel cell/boat tank must be securely mounted and located in front of trunk area. Must have a suitable firewall between driver's area and tank.
- Roll bars are Mandatory: 4 point roll cage with two mounting points in front of driver and two behind driver. Drivers cage should be width of interior of car. Driver's side minimum of two horizontal crash bars should be installed connecting the down bars of the roll cage to the main loop around driver. To protect driver from bottom of cage caving in a side impact. Two(2) down tubes from main rear

hoop to rear frame will be allowed. These down tubes are not allowed to attach to the spring or strut towers. They must be mounted to frame behind towers. If you have questions, ASK tech personnel.

- Driver's door must be welded, bolted or chained shut. Driver side door plate is mandatory.
- Helmets: Approved (SNELL 2000 or newer).
- Race type seat belts (5 point harness minimum).  
A full double layer approved fire suit is mandatory.  
Fire safety gloves and a neck brace are mandatory.  
Window net is mandatory.  
Fire extinguisher in reach of driver is mandatory.  
Full window screen, minimum 1" x 2" is mandatory.
- Driver floor pan must be complete and complete width of car. NO holes.
- MUFFLERS: All cars must have a stock, unaltered or OEM stock replacement muffler.  
All cars are also subject to passing sound meter level of 98 db. or less.  
NO CHERRY BOMB OR HIGH PERFORMANCE MUFFLERS OR EXHAUST SYSTEMS ALLOWED.
- All cars are subject to a minimum inspection at any time. It is the responsibility of the driver to prepare and maintain a proper and safe racing vehicle.
- ALL CARS MUST HAVE NUMBERS ON BOTH SIDES AND ROOF A MINIMUM OF 24" TALL AND CONTRASTING IN COLOR. MUST BE LEGIBLE. IF DAMAGED, DRIVER, IS REQUIRED TO REPAIR BEFORE NEXT EVENT.
- NO suggestive or offensive language, symbols or numbers allowed on cars.

Sumter Motorsports Park reserves the right to, add to, change and/or alter these rules without further notice. All decisions are final. All race results are final. All Sumter Motorsports Park facility rules apply.