



## 2022 BOMBER RULES

### CHASSIS & BODY:

- The bomber car must have a minimum of 107.5" wheelbase.
  - Right side must be within .5" of the left side wheel base (example- right side =108" left side=107.5")
  - Maximum tread width for front and rear of car measured from outside of tires at spindle height is 76".
  - Unibody cars must tie frames together with 2" box tubing, and roll cage must be welded to tubing added to frame.
    - Absolutely no shortening of factory wheelbase. Rear wheel drive cars only.
- Stock appearing steel or aluminum body panels only.
  - Fenders, doors, and quarter panels must as close as possible to original body lines.
- Skirting is allowed but must have a minimum of 6" (inch) clearance between the ground and the bottom of the skirting.
- After market plastic nose and tail pieces allowed.
- Body will be no wider than 76".
- Max rear deck height 40".
- Maximum aluminum roof 50" wide by 55" long.
- A max of 2" of roof rake is allowed.
- Sail panels max top width 22" top 32" bottom.
- The car must run original body as make of frame.
  - Front fire wall min. 22 gauge straight across from frame rail to frame rail.
    - NO aluminum firewalls on front.
    - Rear may be aluminum.
  - Patching of rust holes is mandatory.
    - No open holes in fire wall. No decking between frame rails in driver's compartment.
- All chrome must be removed inside and out on body of car. Numbers must appear visible on both doors and roof of car minimum of 24".
- No frame changes or alterations. Rear frame behind spring mounts may be manufactured.
- Seat must be 30" from center of axel tube.
- Dash length is not to exceed further than back of steering wheel all the way across from door to door.
  - Doors must be welded, chained, or bolted shut.

- 8" maximum height spoiler allowed on trunk only.
- Two spoiler supports also 8" and no higher than the spoiler.
- Side supports may be 15" long measured from the bottom forward.
- Two (2") inches high in the front.
- Competition type 4-point cage mandatory with a minimum of 3 bars in the driver's door and 2 bars in passengers' door.
  - Roll cage is permitted to have brace bars extended through firewall.
  - Three bars are required in windshield area for driver protection.
  - Four-point shoulder harness, racing seat, and fuel cell are required.
  - No outside rub bars allowed.
  - 2-inch straps are required in the mounting of the fuel cells.
  - Fuel cells MUST be in a steel can and not lower than the bottom of the rear end.
  - Aftermarket nose and tail pieces are allowed. Back of car must be enclosed from quarter panel to quarter panel, from top of quarter panel to top of rear bumper.
- Fabricated front bumpers may be used if covered by an aftermarket nose/bumper cover.
- A hoop is allowed on front and rear bumper.
- Support braces to front hoop can be run to frame.
- Rear hoop can be braced inside trunk frame.
- Stock bumpers front and rear are allowed.
- Bumper ends may be cut but must be capped.
- No mirrors allowed.
- Minimum 3-wheel brakes.
- Fire extinguishers are mandatory.
- Two drive shaft hoops are mandatory.
- Drive shafts are to be steel and painted white.
- If battery is in drivers compartment it MUST be enclosed in a marine type box with lid.
- All weights must be painted white with car number.
  - Weight must be mounted with ½ bolts to the frame or roll cage.
    - NOT ON TOP OF ROLL CAGE, INSIDE DRIVERS COMPARTMENT, OR ON REAR BUMPER.
  - Hole is allowed in hood for air cleaner.

### **SUSPENSION:**

1. All suspension parts must be steel and stock OEM or stock OEM replacement and remain in stock location.
  - a. Aftermarket "IMCA" upper A frames with no modifications allowed.
  - b. No aftermarket lower A frames.
  - c. No altering stock A frames.
  - d. Rubber or steel bushings only
  - e. Stock OEM spindles only and must match year and model of chassis.
  - f. No 3 piece or racing spindles
    - i. Spindle savers are allowed.
  - g. All steering parts must be steel and stock OEM or stock OEM replacement.
    - i. No aftermarket center links or tie rod ends.
    - ii. NO heim joints.
      1. Racing springs are allowed.
    - iii. No jack bolts on front.
      1. Adjustable buckets only.
  - h. Stock location on rear-ends and stock rear end control arms
    - i. Rubber bushing only.
    - ii. Jack bolts on rear only.
    - iii. No fabricated or aftermarket rear control arms.
    - iv. No altering of stock control arm with exception of welding grade 8 washers to bolt holes for safety.

- v. Stock steel brake calipers only.
- vi. No aluminum calipers.
- vii. No dual piston calipers.
- viii. Stock steel front hubs only.
  - 1. Rotor and hub must be 1 piece and made of steel.
    - a. No aluminum front hubs.
- i. No bolt on front rotors
  - i. Aluminum rear hubs ok
  - ii. No scalloped drilled or veined rotors allowed.
- j. Stock mount or racing shocks are allowed.
  - i. One shock per wheel.
  - ii. All shocks must completely collapse at any time.
  - iii. No external or internal bumpers or stops.
  - iv. No coil over, air, or remote reservoir shocks.
  - v. No coil over eliminators.
  - vi. Heim end shocks only.
- k. Shock claim: \$800 for ALL 4 SHOCKS
  - i. Anyone not selling will forfeit all points and money and will be suspended for 1 calendar year.
    - 1. Claim can be made by any driver starting the feature event shock claim must be made, and money exchanged, with the track promoter before the start of the feature event.
    - 2. If claimed car does not finish event, money will be refunded.
- l. Shock mount and location optional.
  - i. On leaf spring cars, stock spring location on front, adjustable length spring shackles on rear, spring must be straight, no sliders and no lowering blocks.
- m. Nothing attached to rear end of car other than stock OEM components.
  - i. Multi hole lower trailing arm brackets prohibited.
  - ii. Rear springs must sit in cups mounted to axle tube.
  - iii. Centered spring perches only.
    - 1. No offset perches.
  - iv. No bearing slider cups allowed.
  - v. Spring must remain in stock location.
- n. Coil spring cars must have coils tethered.

### **TRANSMISSION AND REAR ENDS:**

- Automatic or manual transmission allowed
- Any manual type transmission must be in an OEM or OEM replacement case.
  - For manual type applications only:
    - an external steel or aluminum, single or multi disc clutch inside an explosionproof steel bell housing will be permitted.
    - The bell housing must be a minimum 270 degrees around top of clutch/flywheel area.
      - No couplers.
  - Bert/brinn aftermarket type transmissions will be permitted.
    - They must start under own power.
    - Must idle in ALL gears
    - Tech officials have the right to drive any car to check the transmission at any time.
- \*9-inch ford floater rear-ends are optional in all cars. No cambered rear ends.

## **WHEELS AND TIRES:**

- 15-inch maximum tire height
- 60 or 70 series tires
- No snow or mud tires allowed.
- Hoosier E mod tires will be allowed until a burn off period is set forth by promoter.
  - Maximum 8-inch wheels:
    - 1 inch lug nuts required on right side.
    - Wheel studs must extend 1 inch from center of wheel.
    - No stock length studs allowed.
    - No lightweight aluminum wheels.
    - Outer bead locks allowed on all 4 corners.

## **MOTOR RULES:**

- No aluminum heads or blocks.
- Motor must be stock for make and model of car.
- No double pump carbs allowed.
  - Holley, quadrajet, or edelbrock are legal
  - No aftermarket racing carbs permitted.
  - Max 1 inch spacer allowed under carb.
- Stock 2 barrel is permitted.
- No alcohol
- No oxygenated fuels allowed.
- No air gap manifolds.
  - Dual plane only
    - Aluminum or cast iron.
- Headers are allowed.
- No roller cams
- Motor must be in stock location.
- Steel motor mounts are allowed.

## **MOTOR CLAIM:**

- Motor claim is \$5000.
  - Anyone not selling will forfeit all points and money and will be suspended for 1 calendar year.
  - Claim is for complete motor and all bolt on accessories.
  - Motor claim must be made before start of feature event.
  - Monies must be exchanged with track promoter prior to start of feature event cash only.
  - Claimed motor must finish event for claim to be valid.
  - If claimed motor does not finish event money will be refunded.

## **MISCELLANEOUS:**

- No transmitting devices
  - Exception is one-way RACEceiver radio by officials.
- Timing retard controls, or digital gauges (including tach).
- No electronic monitoring computer devices capable of storing or transmitting information except memory recall analog tach.
- Weight rule 3200 lbs. With driver after event.

**THE RULES SET FORTH HEREIN ARE DESIGNED TO PROVIDE FOR THE ORDERLY CONDUCT OF RACING EVENT AND TO ESTABLISH ACCEPTABLE REQUIREMENTS FOR SUCH EVENT. RACE PROMOTER SHALL BE EMPOWERED TO PERMIT DEVIATE FROM ANY OF THE SPECIFICATIONS HEREIN OR IMPOSED AND FURTHER RESTRICTIONS THAT IN HIS/HER OPINION DO NOT ALTER THE MINIMUM ACCEPTABLE.**

**REQUIREMENTS. NO EXPRESSED OR IMPLIED WARRANTY OF SAFETY SHOULD RESULT FROM SUCH ALTERCATIONS OF SPECIFICATIONS. ANY INTERPRETATION OR DEVIATION OF THESE RULES IS LEFT TO DISCRETION OF OFFICIALS. THEIR DECISION IS FINAL.**  
**\*NO ALCOHOLIC BEVERAGES ALLOWED.**

**\*REMINDER DRIVER IS AT ALL TIMES RESPONSIBLE FOR THEIR PIT CREW THEY FIGHT YOU GET SUSPENDED!**