

2016 Mini Bomber Car Rules

General:

All components are subject to inspection and approval of inspecting officials at any time. No equipment will be considered as having been approved by reason of having passed through inspection unobserved. These rules will be the basis for the Mini Bomber Class rules during the 2015 racing season.

Terms:

The term "stock OEM" (Original Equipment Manufacturer) means that the item/part must have been a standard item/part in the North American market on the MAKE and MODEL of the vehicle being driven as a race car. Just because a part is manufactured by the company that manufactured the vehicle does NOT mean the part is legal. The part must have been available in the North American market on the make and model of vehicle being used as a race car. On any exception a majority of the class attending on that race night shall have the final decision.

Body:

1. Two or four door sedan or station wagons are ok. No convertibles, trucks or SUV's allowed. The roll bar must have a horizontal or diagonal cross member behind the driver's seat slightly below the drivers shoulders and within 6 inches of the back of the seat to restrict the seat from reclining backwards during an impact. T-tops and sunroofs must be covered with sheet metal. Complete bodies, must remain stock.
2. Stock OEM front or rear wheel drive vehicles with front engine only.
3. Stock mechanical seat allowed: No electric seats are permitted.
4. All glass, lights, and bright trim must be removed.
5. All doors must be welded closed.
6. Fenders may be cut for tire clearance.
7. All cars must have a complete firewall separating the engine compartment and driver, and a complete firewall separating the fuel tank or fuel cell and the driver.
8. External "Nerf bars" or side impact bars are not allowed.
9. All hoods and trunk lids must be quick release. All cars must have a minimum of two (2) hood pins. All trunk lids must be pinned with a minimum of one (1) pin. All factory hood and trunk latches must be removed or disabled. Hoods are mandatory. Trunk lids are mandatory if fluids and/or fuel are in the trunk.
10. No mid or rear engine cars. No all-wheel or four-wheel drives except that a four-wheel/all-wheel drive cars may be used provided either the front axle shafts or the rear shaft is removed.
11. Car number must be clearly marked on both sides and top in a contrasting color, 2 digits only. Also it is recommended that the number be placed visible from the front on the left front of the car for pit boss

lineup purposes. If the scorers can't read the number from the tower, you will not be scored for that night.

12. All cars are required to have easily accessible chains at front and rear for wrecker hookup.
13. Roll cages: No galvanized pipe allowed. Require a minimum roll bar with two (2) down tubes. Roll Bar and down tubes must be minimum 1 ¼" O.D. schedule 40 pipe or steel tubing. The roll bar must have a horizontal or diagonal cross member behind the driver's seat slightly below the drivers shoulders and within 6 inches of the back of the seat to restrict the seat from reclining backwards during an impact.

Bumpers:

Front and rear bumpers are to be a smooth face and radius bumper, no sharp ends or protrusions. Bumper reinforcement is allowed.

Engine:

1. Stock OEM naturally aspirated four cylinder piston engines only with a maximum displacement of 2,500cc (152 cid), maximum .060" overbore allowed. Must have a working starter.
2. No rotary engines, no turbo chargers or superchargers, naturally aspirated only.
3. Engine must remain in stock location.
4. Stock OEM engine and drive train for the make and model of the body only.
5. Stock OEM replacement parts are acceptable for car make and model.
6. Must use stock OEM intake and exhaust manifolds.
7. Must use stock OEM carburetor, or fuel injection for make and model. An OEM manufacture produced direct bolt on replacement with no aftermarket spacer plates or a HOLLEY 350 CFM, 2 bbl carburetor (part # 0-7448 or 0-80787-1) with a maximum of a 1" spacer will be allowed as an alternate carburetor on OEM stock manifold. Manifold must remain stock.

Drive Train:

1. Locked differentials are allowed.
2. Differential must be stock for car make and model.
3. All car drive shafts must be painted white; rear drive cars must have a minimum of one (1) driveshaft safety loop.

Suspension:

Suspension must be stock for the car's make and model. Must be within manufacturer's tolerances on adjustments of suspension of car.

Tires/Wheels:

1. Wheel with a maximum of 8" width. Offset wheels are allowed. Plating, washers or double nuts are allowed.
2. Tires must be street tires only. No mud or knobby tires. Must be DOT approved street legal tires; snow tires must NOT have studs.
3. Maximum tread width is 8".
4. Use of DOT "Doughnut Tires" is prohibited.

Batteries:

Batteries must be in stock location or may be relocated away from the engine compartment and secured. Relocated batteries must be behind a firewall or securely mounted in a marine type battery box with a cover.

Fuel:

1. Gasoline only, no boost gasses.
2. The fuel tank or cell must be in stock location or mounted to the floor with a minimum of two (2) steel straps with bolts.

Brakes:

All cars must have working brakes.

Safety:

All GFRA rules will be observed. All cars are subject to inspection by the class tech committee at any time.

New cars which are not completely legal may be allowed to compete one time only, at the discretion of the Mini Bomber class inspectors. At no time will an unsafe car be allowed to race.

In the event of a question of the interpretation of any rules, the interpretation of the Mini Bomber class will be the official interpretation and will supersede any and all other possible interpretation. If a racer is in doubt on the interpretation of any rule they may ask for an official decision of the Mini Bomber class attendance at that race. The decision will be given in writing to the party requesting the interpretation. Where there is no specific rule to govern any occasion the decision of the Mini bomber class shall be the final decision.