

# 2022 OPS Mad Bomber Rules

A supportive seat brace must be installed in back of the seat to provide support to the seat's back. The brace should consist of two horizontal bars attached to a point on the roll cage and running forward to a piece of flat bar resting against the back of the seat.

The center of the steering wheel must be padded.

Quick-release steering couplings and after-market steering wheels are allowed in all divisions, but not required. If used, the plastic steering column housing must remain in place. Only about 2" of the housing may be cut away in order to weld the quick-release coupling onto the steering shaft. When complete, the plastic housing should abut up to the quick release unit itself. The steering shaft must remain its original length and must be left in the original stock location.

Rear bottom seat cushion and rear seat back cushion must be removed. Any holes in the rear seat back shelf must be covered with sheet metal. Aluminum patches are not permitted.

Original stock floorboards must remain in place. Any holes existing in the floorboard must be covered with sheet metal.

Floor upholstery must be removed.

All four springs on the vehicle must be the same height, wire size and have the same number of coils. Left front and right front springs must be of the same rating, and left rear and right rear springs must be of the same rating.

Springs, struts and shocks must be O.E.M. replacement only, and the manufacturer's name and model must be clearly visible on them; no performance, rally or racing springs, struts or shocks are allowed.

Strut front-end cars are limited to OEM replacement struts of a value per pair of not more than \$150 on the front and \$50 per pair on the rear. Coil spring cars are limited to OEM replacement shocks of a value per pair of not more than \$50 on the front or the rear. The manufacturer and part number must be clearly visible on all struts and shocks.

Sway bars must be stock size and in original location for year and make of car.

An electric cooling fan for the motor is permitted.

Cars must be full- or mid-sized rated sedans, with a minimum 103" wheelbase, and must weigh a minimum of 3,000 lbs. race-ready. Only automatic transmissions are allowed; two-speed power glide transmissions are not allowed. A minimum 6" frame height is required measured at the lowest point of the chassis, without driver. Cars may use either 6- or 8-cylinder motors, all engines must remain stock. Ford and General Motors cars are limited to a max. 305 cubic inch engine, stock for the year, make, and model car that it is being used in. Chrysler cars are limited

to a max. 318 cubic inch engine. Stock engines are a max. 415 valve life with a 209 duration, 4-valve relief flat-top pistons with a maximum compression ratio of 9.5 to 1 and a maximum valve size of 1.84. Stock fuel injection may be used; or, a stock two-barrel carburetor bolted to a stock two-barrel cast iron intake may be used. Excess spacers or adapters are not allowed. A maximum 3"x14" aftermarket air filter is permitted. Metric cars are allowed to lock the rear end. Unibody cars are restricted to a min. 3.08 and a max. 3.42 rear end gear; metric cars are restricted to a min. 3.08 and a max. 3.90 rear end gear. Trucks are not permitted. Unibody cars (re: Camaro, Firebird, etc.) are permitted in the JV series. Leaf-spring cars are not permitted.

## **TECHNICAL RULES,**

1. Vehicles must meet all standards for original sale only within the United States.
2. El Caminos or Rancheros are not allowed.
3. Turbo or supercharged engines are not allowed.
4. Only 2-Wheel-Drive vehicles are allowed.
5. No ratcheting or torque-sensing devices allowed in any division of competition.
6. All window glass except the stock windshield must be removed. Glass should be completely removed from the vehicle before arriving at the track, and all fragments of glass must be completely cleaned from the vehicle.
7. Lexan windshield replacements are allowed. All installations must fit into the original recessed area of the windshield frame and be attached with pop rivets to provide a stock appearance. All installments are subject to the tech inspectors' approval.
8. All accessory glass including reflectors, headlights, taillights, side mirrors, etc. must be removed.
9. One exterior driver's side mirror limited to 5" in diameter is allowed. This mirror is not to extend beyond the exterior of the car body.
10. Only a single, stock-size rear view mirror mounted in the original center location either on the windshield or the roll cage overhead bar is permitted.
11. All unnecessary screws, body chrome, and side moldings must be removed.
12. Stock muffler must remain in place in order to attain minimum noise levels. Dual exhausts are allowed using original headers in the stock mufflers. Tail pipes must exit at the rear of the vehicle. Glass pack style mufflers are not allowed.
13. All doors must be welded or chained and bolted securely shut.
14. Stock front and rear bumpers must remain in place, and must be fastened to the vehicle in a manner that will prevent their loss during competition. Bumpers may not be reinforced to add strength and rigidity to them.

29. Batteries may be relocated behind the driver's seat or in the motor compartment against the firewall on the far right side or on the radiator support on the left side. Batteries may be boxed, strapped, or otherwise additionally secured to prevent their loss so long as the method does not reinforce any part of the vehicle.
30. Tops of batteries must be covered in a manner that will prevent fill caps from dislodging.
31. Racing fuel cells are required. Fuel cells may not be more than 12 gallons in capacity. Any fuel cells must be securely fastened with min. 2"x1/8" metal straps inside the trunk of the vehicle. No cutting of the floor boards or spare tire compartments is allowed when installing a fuel cell.
32. High octane racing fuel is permitted, although not encouraged or recommended at this level of competition. Any standard quality street-pump fuel is fully satisfactory and will save the competitor unnecessary and excessive fuel expense.

#### WHEELS:

Racing wheels are not permitted. All wheels must be of the same make and style and must be D.O.T. approved.

#### Mad Bombers:

Wheels are limited to seven inches (7") wide, with an offset not to exceed 3 1/2" off center. Metric frame cars are allowed max. 1" offset wheels. They must be stock, or heavy duty replacement, and D.O.T. approved.

1" lug nuts are permitted; stock studs & hubs must remain.

15. Mad Bomber cars may use aftermarket front and rear bumper covers.
16. Vehicles with T-top roofs or convertible tops are not permitted. Vehicles with sunroofs must have the glass removed and the remaining roof hole must be securely covered with sheet metal on both the top side and the underside.
17. Trailer hitches are not permitted.
18. Antifreeze/engine coolant or other glycol-based liquids are strictly prohibited. Any driver using such fluids may be subject to Disqualification or fines.
19. Cars must not have excessive leakage of any fluid, including brake fluid, transmission fluid, fuel, and motor oil.

20. Passenger-side inner-door upholstery only may be removed to accommodate the installation of the required roll cage. Complete stock inner door structure must remain in place.
21. Stock dash must remain in place.
22. Only inexpensive aftermarket water and oil gauges are allowed, and must be mounted in the approximate stock dash position in front of the driver. Tachometers etc. are not permitted.
23. Driver-side inner-door panel may be removed to allow installation of bowed horizontal cage bars that may be used between the front and rear upright bars.
24. Stock roof, roof uprights, hood and trunk under panels must remain in place.
25. \*\*\* Spoilers of any kind are not allowed.
26. Only front inner fender plastic wheel arches may be removed.
27. Approved racing seats are required in all divisions. Racing seats must meet safety installation approval by the technical staff. Racing seats must be bolted into the original position of the stock seat and must be mounted at the original height of the stock seat. Many local race equipment manufacturers offer a seat 'box' that will allow the seat to be safely mounted at the original height. Absolutely NO allowances will be permitted for moving steering columns, foot pedals, seat set-back, etc. in order to accommodate a racing seat installation.
28. An approved five-way racing safety harness is required in all divisions.

#### Mad Bombers:

- **Unibody cars are permitted with the following allowances:**
- Unibody cars must have a minimum 101" wheelbase.
- Must use an open rear end only.
- Leaf-spring cars are not permitted.
- Cars must be 2002 or older models.
- Stock 6- or 8- cyl. motors are allowed; turbo or supercharged motors are not allowed.
  - 350 automatic transmissions are permitted and must use the Hurst #550-0001 transmission adaptor kit.
- The rear truck structure must remain intact to provide structure support, other than to allow fuel cell installation in the stock spare tire well location.
- A rear firewall constructed of min. 22-gauge steel must be secured across the rear seat-back deck in the stock location.

#### TIRES:

**Mad Bombers:**

Only the 15" Hoosier 790's are Allowed

1 ½" of positive camber is allowed on the right front wheel only, and may only be obtained by stock adjustments. 2" of positive camber is allowed only on metric cars. Cutting or re-working of front end parts is not allowed. ¾" negative camber on the left-front is allowed.