

Auto City Speedway 2018

PURE STOCK/BOMBER RULES

The intent of this division is to provide a pure stock class of racing intended to be a fun racing experience for all who choose to get involved. This division is designed for the budget racer. Fun is the key word for this division. The rules are simple and easy to follow, but will be enforced. Remember if this rule book does not say you can do something to your car...DON'T do it...PERIOD... always we will be checking these cars on a regular basis for ANY rule violation.

ELIGIBILITY

- A. Any American made automobile with a wheelbase of 108" or more will be allowed to compete. We encourage 4 door models and station wagons in this division. These include all GM metric chassis cars with 108.1 inch wheelbase built from 1978 through 1987 (Cutlass, Regal, Grand Prix, Malibu, Monte Carlo, etc), 1976 through 1980 2-door Dodge Aspen and Plymouth Volare, and 1980-1982 and 1989-1997 Ford Thunderbird. **Leaf spring cars are not allowed!**

BODIES

- A. Bodies must be as they came from the factory
- B. Severely rusted panels MUST be replaced.
- C. Stock panels only, Panels may be replaced with homemade stock-appearing panels from body lines down. No flat panels.
- D. No Aluminum Body components.
- E. All sharp edges must be rolled under.
- F. No opening up wheel wells beyond stock appearing.
- G. Hoods must stay on stock hinges and be pinned in front.
- H. Hoods must open without tools of any kind.
- I. All bumpers must be rounded on ends, NO STRAIGHT CUT OR SHARP EDGES. Stock-type bumpers only. Bumper covers will be allowed. No fabricated bumpers allowed.
- J. Bumpers must be securely chained to frame, and have a chain loop wrecker hook in center of each bumper.
- K. All doors must be welded shut.
- L. All glass except windshield must be removed. Severely cracked windshields MUST BE REPLACED. You may use 1/8 Lexan to replace windshield.
- M. All trailer hitches and after market type add-ons must be removed.
- N. Front fender inner-liners must be removed.
- O. All interior must be removed, dash covers, seats, headliner, etc.
- P. No removing of "ANY" sheet metal, frame or frame components (i.e. Floor pans, bumper ear horns).

NOTE: IF you are involved in an on track incident, you or crew member MUST report to a Tech Official, in order to race the rest of the night. Accidents happen! And you WILL be allowed to race with Bent/broken body parts that night. You will not be allowed to race future races without proper effected repairs per Tech Official!

2018 Pure Stocks/Bombers (continued)

BRAKES

Four wheel hydraulic brakes mandatory, in good working order. Brake components must be stock. Aftermarket brake pads and shoes may be used. **No rear disc brakes or bias valves allowed.**

ENGINES

1. Stock stamped engine parts per vehicle manufacturer only
2. No aluminum cylinder heads
3. **No Vortec Heads** -Camelback heads allowed
4. Screw in studs are allowed
5. Stud girdles allowed
6. Polly locks allowed
7. Matching valve springs / retainers for camshaft are allowed
8. Max Lift .480 at the rocker Hyd Flat Tap lifter only
9. Stock Holly 4412 allowed -- this carb will be checked
10. Stock Rochester Quadra Jet carburetor can be used
11. No porting
12. No gasket matching
13. No performance machine work period!!
14. Cylinder Heads must retain casting marks and sharp edges in bowl area.
15. 360 C.I.D. is the maximum
16. Steel connecting rods only
17. ARP bolts allowed
18. Flat top pistons only
19. Piston may not exceed deck height without head gasket
20. Max 10.0:1 compression ratio
21. Engines must remain in stock location, no altering of mounts
22. Circle track oil pan is allowed
23. No windage trays bolted to the block covering the view of the rotating assembly
24. 2 inch inspection plug in oil pan mandatory on the side of pan between main caps # 3 and 4 above the oil level
25. Air cleaner and induction system must not exceed 4 inches
26. No forced induction rear or front
27. No air cleaner through the hood

EXHAUST

- A.** No leaks allowed. There must be 24" min. of straight 2" O.D. exhaust pipe before or after a muffler. You are **ALLOWED** a straight thru muffler (Glass Pack) or no muffler with a min. of 36" straight 2" OD exhaust pipe. Dual exhaust - 2" max. O.D. will be allowed. Must have Dual mufflers.
- B.** No center dump manifolds - must exit the most rear spark plug on both sides.
- C.** Manifolds must be OEM cast iron. No tubular, no headers.

FUEL CELL

- A. Fuel cells are mandatory.
- B. Cell must be located in the trunk secured by 2 straps side-to-side and at least 1 front to rear.
- C. The fuel cell may be no lower than the rear frame rails, 10" ground clearance minimum.
- D. No filler tubes allowed.
- E. Fuel lines may not pass through driver's compartment.

FRAME

- A. No frame alterations of any kind except to strengthen the roll cage attachment points with plate or box tubing. (We will be watching this closely).
- B. Minimum height measurement at cross member is 5 inches.

IGNITION SYSTEM

- A. Must be stock per year make and model
- B. No aftermarket ignition system
- C. Must have OEM stamping
- D. OEM HEI system is allowed to replace points system

REAR END

- A. Rear ends may be welded or open, full spool / Mini spools are OK.
- B. No traction control
- C. Stock OEM rear end
- D. Must have inspection hole in cover
- E. Must have a drive shaft loop 1/3 of the way from the front of the drive shaft. (Chain OK).

ROLLCAGE

- A. A 4-point cage of minimum 1 1/2" OD and .095 wall tubing is required, and MUST remain in interior of the car, and anchored securely to the FRAME.
- B. **Full Front and Rear hoops allowed.**
- C. **Cars will be inspected individually. Excessive bracing or chassis stiffening is subject to a weight penalty, at the discretion of track tech officials. If it is determined that a car has an unfair advantage, it will be required to make repairs or carry a weight penalty (50-100 lbs), to be determined by tech officials.**
- D. Bars may be attached to end of frame rail but may NOT cross (like an X) after the rear axle. Radiator bars are allowed.
- E. A minimum of 3 door bars and a 1/8" steel doorplate must be installed on the driver's side cage. A 1/8" x 18" x 36" steel floor plate is HIGHLY recommended under the driver.

SUSPENSION

- A. No bump stops.
- B. No tie down chains or cables.
- C. One shock in OEM location per wheel.
- D. Stock OEM replacement shocks only.
- E. No adjustable shocks.
- F. No rebuild shocks.
- G. No hold down shocks.
- H. Wheel base left to right must be equal.
- I. No cutting or altering control arms - must be OEM
- J. No altering steering components.
- K. Engine must remain in OEM placement.

- L. Transmission must remain in OEM placement.
- M. Rear axle must remain in OEM placement.
- N. No altering bushings.
- O. No offset bushings.
- P. No drop spindles.
- Q. No altering of rear trailing arms - must be OEM.
- R. Sway bar must be OEM with passenger side OEM bushings.
- S. Driver side sway bar is allowed to be adjustable.

TEAR DOWN RULES

Any driver finishing on the lead lap may have a top 5 driver torn down for \$500 cash teardown fee, with the surrender of protester's car for inspection first. Protester's car must first pass inspection to continue teardown of protested car. If the protested motor is found to be legal, the fee goes to the protested driver. If the motor is found to be illegal, the driver will be disqualified and the fee will be returned to the protester.

TIRES

- A. American Racer D.O.T. 225 - 7.0 - R15 & D.O.T. 235 - 7.0 - R15. **Any D.O.T. steel belted street radials no larger than 235 - 60's series and the American Racer D.O.T. Bias Ply's "specified" are both options.** D.O.T. street radials and American Racer D.O.T. tires will be allowed for use in the Fig-8 division.
- B. No "soaking", shaving or altering of tread face!!!

TRANSMISSION

- A. Automatic transmission only. Must retain all working gears equipped from OEM.
- B. Must be same as model, no mixing (ex. Ford with Chevrolet)
- C. No power glides, 2speeds, or direct drives.
- D. Stock converter (Will be checked per year, make, and model)
- E. Aftermarket transmission cooler allowed, however, they must stay in the engine compartment.

WEIGHT

- A. 3500 lbs minimum after any scheduled event (Qualifying, Heat, Feature, Figure-8)
- B. Left rear and right front of the car and driver race ready cannot exceed 49% of total weight.
- C. Left front and right rear of the car and driver race ready must be a minimum 51% of total weight.
- D. Car must weigh a minimum of 3500 lbs with a maximum of 3700 lbs with driver race ready in driver seat.
- E. Car must weigh a maximum 55% left side weight and a maximum 50% rear with driver race ready in driver seat.

WHEELS

- A. 8" maximum width steel wheels. Any offset is OK. No spacers allowed.
- B. 1" lug nuts required, for safety. At least 1 thread must extend beyond nut.

ALL CARS ARE SUBJECT TO INSPECTION AT ANYTIME BY TRACK OFFICIALS. OFFICIALS RESERVE THE RIGHT TO CHANGE, ALTER, OR REMOVE ANY RULE FROM THIS BOOK TO LEVEL THE FIELD OF COMPETITION. ALL DECISIONS MADE BY TRACK OFFICIALS ARE FINAL AND BINDING TO ALL PARTIES.