

2012 Deep South Speedway
BOMBER RULES -

This is a stock class. Car and parts must be completely OEM stock or stock replacement unless otherwise noted in these rules.

IF IT DOESN'T SAY YOU CAN... YOU CAN'T!

DSS reserves the right to change, revise, omit, clarify, or enforce any rules at any time to maintain a safe race program.

SAFETY GEAR & EQUIPMENT (Rules apply at all times the car is on the track.):

1. Full face helmet required. No open face helmets!
2. SFI approved full fire suit required.
3. SFI approved gloves and shoes strongly recommended.
4. SFI approved neck collar or Head and Neck Restraint System (HANS) type device strongly recommended.
5. SFI approved balaclava (head sock/hood) strongly recommended.
6. Driver side window net required. Late Models are exempt from window net rule as long as your arms cannot exit the window opening. Window net or arm restraints recommended. Modifieds must have either a window net or arm restraints.
7. Five point SFI approved racing safety harness seatbelt assembly required and within dates.
8. Seatbelts MUST be securely fastened to cage with minimum 3/8" bolts.
9. Operative fire extinguisher with gauge required and easily accessible. Minimum 2 lb. May not be zip tied or taped into place. Onboard fire suppression system recommended.
10. SFI approved aluminum high back racing seat required. No plastic or fiberglass racing seats allowed. Full containment type racing seat strongly recommended.
11. Racing seat MUST be securely fastened to roll cage and NOT the body or floor pan.
12. Any bars that the head may come in contact with MUST be covered with roll bar padding. It is recommended that all bars that any part of the body may come in contact with be covered. SFI approved high density no drip roll bar padding strongly recommended.
13. Raceceivers are Mandatory for ALL drivers in ALL classes.

FRAME:

1. Any American OEM stock full body rear wheel drive passenger car, 1970 model or newer.
2. Minimum 108" inch wheelbase.
3. No camaro, mustangs, novas or uni-body type cars.
4. No leaf spring cars.
5. Must be full original frame.
6. Front and rear cross member must remain stock.

BODY:

1. Body must match frame.
2. Body must be set on original body mounts.
3. Must use full stock floor pan and fire wall.
4. No set back of front firewall allowed.
5. Must be full stock steel body unless otherwise noted.
6. All glass, chrome, molding, lights, mirrors, upholstery, dash, and anything that can burn must be removed.
7. No spoilers, skirting, closed in window openings including opera window, or mirrors.
8. Aftermarket nose and tail pieces are allowed that matches body.
9. Body must be neatly painted and have large enough contrasting numbers so that they can be read from the scoring tower. If the numbers are not readable, you will not be scored.

10. No profanity, offensive art, vulgar wording, or inappropriate innuendo number/letter combinations.
11. No sharp edges on any part of car including body, frame, bumpers, and wheels.
12. Factory front bumper must be tied to fenders or incased under nosepiece.
13. Rear bumper must be tied to quarter panels.
14. Can do minimal cutting for tire clearance around wheel openings as long as there are no exposed sharp edges or the metal is rolled under. Body must be attached to inner wheel wells on rear of car.
15. All holes into drivers' compartment must be sealed off including firewalls, floor pan, doors, and rear wheel wells.
16. Engine compartment and hood must be sealed off at rear of hood from drivers' compartment so driver cannot be burned by fire or fluids when overheating.
17. Any hoses, fuel lines, electrical cables, etc... must be covered or protected and securely fastened in a safe manner.
18. All fuel and electrical lines running through drivers' compartment must be run through pipe or conduit.
19. Battery must be securely fastened and protected. Battery must be securely mounted in a marine type plastic box with lid, not metal.
20. Bars and/or expanded metal in front of driver in windshield opening.
21. No glass, lexan or plastic in window openings. All window openings must not be blocked including opera windows.
22. All doors must be welded or securely bolted closed.
23. Hoods and truck lids must be securely fastened completely shut with hood pins.
24. No weight ballasts of any kind including lead bars, steel plates, concrete in frame or elsewhere, sand, gravel, rocks, heavy bumpers, etc.
25. No foreign material in car (garbage, cups, cans, bottles, license plates, paper, towels, lumber, firewood, hood & trunk props, junk, tools, parts, etc...). These items can cause problems or become projectiles and will hurt and kill you or someone else.
26. Anything not mentioned must remain OEM stock for car being used.
27. All parts referred to in these rules requiring part or model numbers must be on the specified part or it cannot be used.

ROLL CAGE:

1. Minimum four (4) point roll cage 1.750" OD minimum tubing with a minimum wall thickness of 0.095".
2. Can have engine hoop and rear down bars and they must be welded to frame.
3. Minimum of three (3) driver side door bars, recommended four (4) door bars.
4. Doors may be hulled for door bars, not excessively.
5. Steel driver side door plate, 18 gauge or 0.049" minimum strongly recommended.
6. Nerf bar for radiator protection allowed. It must be behind bumper, within confines of body, no wider than stock frame horns.
7. Nerf bar required for fuel cell. It must be mounted frame rail to frame rail, no higher than fuel cell.
8. Seat and seatbelt assembly must be securely mounted to roll cage.
9. Drivers head must not protrude outside cage with helmet on.
10. All roll cages MUST be securely welded to the frame and well constructed, built, and welded.
11. Roll cages must be made of either: mild steel, chrome-moly, or preferably DOM seamless tubing.
12. No cages built of black pipe, exhaust pipe, chain link fence posts, or any other weak tubing allowed. DSS is a super speedway and these inferior products will get you killed.
13. If cage is not properly constructed for its purpose in a satisfactory manner up to the tech official(s), it will not be allowed on the race track.

BUMPERS:

1. Front Bumper may be OEM (exposed or not) or tubing behind nose piece may be no heavier than OEM stock bumper.

2. Rear Bumper may be OEM, 2"x2", 2"x3", or 1.750" round tubing but may be no heavier than OEM stock bumper.
3. No heavy bumpers allowed to be used as weight ballasts.
4. No sharp edges and must be capped on ends so not to cut another car's tires.
5. Bumpers must be tied to body in a manner that either bumper cannot hook another car or car bumper.
6. Bumpers must be securely bolted or welded in place to the satisfaction of tech official(s).
7. Factory front bumper must be tied to fenders or incased under nosepiece.
8. Rear bumper must be tied to quarter panels.
9. As with all rules, all aspects of the bumpers must meet the satisfaction of tech official(s).

SUSPENSION & STEERING:

1. All shocks and suspension parts must be stock for car being used, in stock location.
2. Can use racing springs.
3. Shims and non adjustable spring spacers are okay.
4. No adjustable spring spacers.
5. Rear springs are to be tethered so they will not fall out onto track.
6. Stock steering column not required. Steering column may be replaced with steel knuckles and steel steering shafts (collapsible recommended).
7. All steering components must be steel.
8. Can replace rag joints with steel steering u-joint. This is strongly recommended.
9. Quick release steering wheel strongly recommended.
10. No steering quickener of any kind.
11. Sway bar removal is allowed.
12. May run aftermarket power steering pumps and pulleys including remote reservoir racing style.
13. Any other parts not mentioned must remain stock and in stock location.

REAR END:

1. Rear end for make and model must remain stock.
2. Locked rear ends by full steel spool, steel mini spool or welding spider gears okay.
3. Rear end must be in stock location, centered under car, and not shortened or trailed on one side or the other.
4. All mounts and other parts in or on rear end must be in stock location and be of stock measurements. 5. Changing of ring & pinion gear ratio is okay.

TIRES AND WHEELS:

1. 205-235 / 60, 70 or 75 series DOT passenger car street tires (non aggressive tread).
2. No racing, all terrain, mud, or snow tires.
3. Towell City Red Dot tires okay.
4. All 14" or all 15" tire size does not have to match each other.
5. Any 8" maximum wide steel wheel. Must run all 14" or all 15" diameter wheels.
6. Steel bead locks are allowed on right side only.
7. No homemade bead locks!
8. One inch (1") O.D. lug nuts mandatory.
9. 5/8" studs highly recommended.
10. No grooving, siping, soaking or altering any tire in any way.
11. Any questionable wheels or tires must meet approval of tech official(s).

BRAKES:

1. Brake system must remain stock for make and model car used.
2. No brake bias adjustments or shut off valves.
3. No aftermarket brake pedal assemblies.

4. No rear disc brakes. Must remain OEM drum.
5. Must have operative 4 wheel brakes.

COOLING:

1. May run one (1) aluminum racing radiator.
2. May run aluminum or cast water pump.
3. May run racing style aluminum pulleys.
4. May run overflow/reservoir tank, but must be mounted on right side of cars.
5. Overflow tubes must be directed to the ground.
6. Thermostat not required.
7. Double hose clamps on each end of radiator hoses highly recommended.
8. No heater cores allowed.
9. May remove air conditioning system.

ENGINE:

1. Maximum 350 cubic inch displacement engine.
2. May bore up to .060" oversize.
3. Four (4) valve relief flat top or dish pistons only.
4. Engine and all components must be for make and model.
5. 76cc chamber OEM production stock steel heads only.
6. No Vortec heads.
7. No angle milling of heads.
8. Maximum allowable compression 175 lbs.
9. Maximum allowable compression ratio is 9.0:1.
10. Hydraulic Non-Roller Cam shaft max. lift .435 @ valve.
11. Stock diameter valve springs only.
12. Stock style stamped steel rocker arms only. 1.5:1 ratio only. No Roller or roller tip rockers.
13. Screw in studs, guide plates and poly locks okay.
14. No stud girdles.
15. Factory OEM stock 2 or 4 barrel intake manifold only. No marine type.
16. Engine must be in stock location with stock style mounts. Moroso style stock steel mounts okay.

EXHAUST:

1. Maximum 2" O.D. exhaust pipe must run past driver.
2. Stock style cast iron exhaust manifolds only.
3. No headers or header type exhaust manifolds.
4. No center dump/ram horn exhaust manifolds.
5. No X, H, Y, crossover, or connected exhaust pipes.
6. No exhaust sensors (oxygen, temp, etc.) of any kind.
7. No mufflers required at this time.

CARBURETOR:

1. Stock Rochester 2 barrel, quadrajet 4 barrel, or 2 barrel Holley 500 cfm 4412 allowed.
2. No modifications allowed on any carburetor... Unaltered!
3. Must have the unaltered factory identification numbers on carburetor.
4. May run one adapter/spacer measuring no taller than 1.25" thick with gaskets included.
5. Adapter/spacer must not be of adjustable/sliding style.
6. No fuel injection allowed.
7. Full size racing air cleaners allowed.
8. No air boxes or duct work.

9. No holes in hood for filter or to direct or ram air to filter/carburetor.

FUEL SYSTEM:

1. May use stock gas tank, but racing fuel cell is highly recommended.
2. Fuel cell must be securely mounted in center of trunk in a minimum 20 gauge steel container.
3. Racing fuel cell maximum 22 gallon capacity.
4. No fuel cells allowed over rear end housing.
5. Full metal firewall with all holes sealed must be between driver and fuel cell.
6. All cell mounts must be steel, securely welded to frame/cage.
7. No adjustable fuel cell mounts.
8. Fuel cell vents must have check (rollover) valves.
9. If fuel cell does not have aircraft style positive seal filler neck/cap system – a flapper, spring or ball type filler rollover valve is strongly recommended.
10. A single nerf bar is required behind fuel tank.
11. Bottom of fuel cell may be no lower than bottom of car frame rails.
12. Fuel lines through driver compartment must run through metal pipe or metal conduit.
13. One (1) aftermarket fuel filter allowed.
14. No fuel filter may be in drivers' compartment.
15. Mechanical OEM type push rod fuel pumps only.
16. No electronic or belt driven fuel pumps of any kind allowed.
17. No cool cans/ice boxes.

FUEL:

1. Gasoline only.
2. Racing gasoline fuel allowed.
3. No performance enhancing or scented additives.
4. No alcohol, methanol or ethanol.

TRANSMISSION:

1. Transmission for make and model must remain stock.
2. Transmission must be in stock location.
3. Scatter shield is highly recommended.

DRIVE SHAFT:

1. Steel drive shaft must be painted white.
2. All cars must have a 360-degree drive shaft loop within 6" of front u-joint.
3. Loop must be constructed of at least 1/4" x 2" steel or acceptable other material.

BATTERY:

1. One 12 volt battery only.
2. Battery must be securely mounted between frame rails.
3. Positive terminal must be covered.
4. Battery must be in marine type case if mounted in drivers' compartment.

GAUGES & ELECTRONICS:

1. Ignition will be point type stock or HEI stock.
2. No computers allowed at all.
3. No aftermarket ignition units or parts.
4. Aftermarket water temp, oil temp, oil pressure, fuel pressure gauges allowed.
5. Aftermarket tachometer allowed.

6. No digital gauges or tachometer.
7. No gauges or tachometers that require any kind of control box or computer.
8. Starter button and simple toggle ignition switch allowed and must be clearly marked On/Off.
9. Battery cut off master switch required, clearly marked On/Off, and within easy access of driver and rescue personnel.

WEIGHT:

1. No weight may be added to any part of car for any reason.
2. No weight ballasts of any kind including lead bars, steel plates, concrete in frame or elsewhere, sand, gravel, rocks, heavy bumpers, etc.
3. Any lead, steel, or other ballast found will be confiscated by tech and penalty imposed.
4. No excessive removal of metal beyond what is allowed in rules.
5. No excessive bracing or reinforcement.
6. No excessively heavy materials used in construction of car.
7. Any questionable weight related item or concern will be allowed or not, at the discretion of tech official(s).