



Rules & Regulations

Updated 11/26/11

2012 Cowtown Bomber \ Factory Stock Rules

Body:

1. Any American made stock passenger car with full frame, or Chrysler unibodies. **NO** Camaros.
2. **NO** front wheel drives.
3. Stock appearing aftermarket plastic nose or tail pieces allowed.
4. Rear of car must be sealed off **NO** exposed fuel cells, **NO** spoilers (even if factory equipped), wings, skirts, air scoops, or anything that alters stock appearance.
5. Bodies cannot be moved from the original rubber bushing no more than ± 1 ". A front visor is allowed on the windshield area MAX 7 inches.
6. Sunroofs and T-tops must be reinforced and enclosed.
7. No nerf body. Maximum one inch wide by two inch tall steel or Lexan rub rails allowed – bolted flush to body.
8. All glass, plastic, upholstery, lights, mirrors, and trim must be removed. All doors must be chained, bolted, or welded shut. Front inner fender wells may be removed.
9. Cars must be strictly stock. **NO** cutting, channeling, shortening, or modifying is allowed. Front and rear outer fenders may be cut for wheel and tire clearance. **NO** excessive trimming of fenders or hoods allowed, must maintain stock appearance. No enclosed interiors or decking allowed.
10. No part of the dash can be more than 28" from back edge of the center of the hood.

11. Front and rear firewalls must remain in stock location and be full and complete. **ALL** openings should be covered as to isolate the driver, subject to track approval.
12. Racecar body should be maintained in such a manner as to keep a presentable appearance. Cars with floppy or loose body parts will **NOT** be allowed to race until such repairs are made.

BUMPERS:

1. Stock type rear bumper required.
2. Stock type front bumper may be used, or a fabricated front bumper may be used with the following conditions: **cars with aftermarket nose pieces** – the bumper may extend past frame rails for support and reinforcement; **cars without noise pieces** – the bumper may not extend past front frame horns. **NO SHARP EDGES.**

ROLL CAGE:

1. Minimum four-point cage, minimum size 1 1/2" O.D. By .095" wall thickness.
2. Minimum three bars in driver's side door, and two bars on passenger side door (three bars if passenger in car).
3. Four-point quick release seat belt and harness required for driver and passenger. Racing seats required. Must have window nets and fire suit for driver and passenger.
4. Must have three bars in front of driver and passenger in windshield area.

ENGINE:

1. Must be stock for the make and model except no 400's or larger small or big blocks. All engine components including water pumps, distributor, etc., must be strictly stock.
2. Cast piston only. Chevy must use 4 equal valve relief pistons.
3. Aftermarket mini starter, pulleys, harmonic balancer and oil pans ok. Aftermarket power-steering pumps ok.
4. Metric cars may run a 350. **NO** stroking or de-stroking.
5. Engine must be in stock location. Solid motor and transmission mounts ok.
6. Maximum cranking compression 175 lbs, (ignition off, engine turned over 5 times).

CAMSHAFT, VALVETRAIN, AND CYLINDER HEADS:

1. Hydraulic cam and lifters only. .447 maximum lift. Must maintain 14" of vacuum at 1200 rpm.
2. 1.94 maximum intake valve diameter, 1.50 maximum exhaust valve diameter on Chevrolet engines. Stock size valve and stock length pushrods only.
3. Stamped steel 1.5 rockers on Chevy, 1.6 on Ford and Chrysler, **NO** roller tips.
4. Open chambered heads only, must be unaltered, O.E.M.
5. **NO** porting, polishing, or gasket matching allowed. Screw in studs and guide plates ok.
6. 305 engines may use 305 heads (no vortec).

CARBURATION AND FUEL SYSTEM:

1. Holley 4412 2-barrel only. Must be unaltered. Choke plate may be removed. 4412 must be cast into the body of carb. Maximum spacer and adapter 1" combined total.
2. Fuel pump must be in stock location for make. **NO** electronic pumps or fuel injection even if factory equipped.

EXHAUST:

1. Stock unaltered cast iron exhaust manifolds only.
2. **NO** Chevy center dump, Corvette, marine, or tubular steel type manifolds.
3. Exhaust must remain dual. **NO** crossover, Y-pipe or 2-in-1 pipes.
4. Mufflers required.

INTAKE MANIFOLD:

1. Stock unaltered aluminum or cast iron intake only. **NO** aftermarket or stock high performance or high rise. **NO** bowties. **NO** porting, polishing, or gasket matching.

TRANSMISSIONS:

1. Any stock type automatic or manual.
2. Automatics must have working 11" torque converter. No direct drives. Cooler ok.
3. Manuals must have 10.5" clutch and steel flywheel. **NO** mini clutches.
4. Steel drive shafts must be painted white and have a loop 6" from u-joint.

FUEL:

1. Pump or racing gas only.
2. **NO** additives or smells.
3. Fuel tank must be secured in trunk.
4. Fuel cells recommended.

SUSPENSION:

1. Front and rear suspension must be stock for that make and model of car.
2. **NO** air shocks.
3. **NO** alterations to any part of the suspension will be allowed.
4. Any spring in stock location.
5. **NO** spacers or adjustable weight jacks of any kind.
6. Must sit in unaltered stock mounts. Any stock mount shock.

REAR END:

1. Stock rear-end for make and model. Gears may be locked. Gear ratio optional.

STEERING / DRIVER SEAT:

1. Steering boxes must remain in stock location. Aftermarket steering wheel and quick release steering coupling are recommended. Quick steer boxes allowed.
2. **NO** part of driver seat may be no further back than 25" forward of center line of rear end housing.

RADIATORS:

1. Any (1) radiator that fits in original location without any body modifications is allowed.
2. Water pump mounted fans only.
3. **NO** electronic fans. Fan spacers ok.

IGNITION:

1. One 12 volt battery only must be mounted securely in rear of driver's compartment or trunk area.
2. One stock distributor in stock location only. **NO** modifications allowed.
3. Module and coil must be stock. Plugs and wires may be aftermarket.
4. Ignitions on/off switch must be clearly marked.
5. **NO** traction control devices of any kind.

BRAKES:

1. Must use stock type Master cylinder and brake components. Must mount in stock location.
2. Must have at least 3 working brakes. Right front may be blocked.
3. **NO** bias adjustment is allowed.
4. Disk brakes allowed in rear.
5. **NO** aluminum or composite rotors. Must use steel stock type rotors on rear disc.

TIRES AND WHEELS:

1. 8" maximum wide wheels allowed, 15" diameter steel wheels only, wheel covers and mud plugs right rear only. Bead locks or screws allowed.
2. **NO** bleed-off valves.
3. Must run 1" steel lug nuts.
4. Approved Hoosier asphalt pull-offs only, 35 or higher, must durometer 51 or higher.
5. **NO** grooving, siping, or softening allowed.
6. Both rear tires must be Hoosier 2045 or F40. **NO EXCEPTIONS.**

WEIGHT:

1. Weight may be securely added in trunk or under the hood, but in plain view or within the driver's compartment.

2. Car must weigh minimum of 3000 lbs. with the driver after race.
3. Weight must be securely bolted with minimum 1/2" bolts or welded to the car and painted white with car # painted on it

COURTESY RULE: Any car with "minor" rule infractions will be allowed to race (1) event. Cars with infractions are subject to weight penalty.

2012 TRANSITION RULE: Cowtown officials understand that many of our drivers will need time to transition their 2011 motor package. New motor package rules will be fully enforced as of the 2013 Season. Please note if you are running the 2011 motor package you will be required to weigh 3200 lbs.