

Big Car Rules

Fire Extinguisher highly recommended

General

- 1) All cars and trucks must be **stock**, unless modification is stated in these rules.
- 2) **8 and 6 cylinder class** - Any American made sedan, or station wagon can run.

Stripping

- 1) All glass, (including windshield) plastic, fiberglass, chrome, and interior must be removed from car/truck before arriving at the derby. (All decking in station wagons must be secure) You can tack it, but not solid weld it.

Tires

- 1) Tires can be "P" or "LT" and a maximum size of 235/75R15.
- 2) No 16" or split rims.
- 3) Weld in wheel centers rim bracing or bead protectors are allowed. No full centres and No screwing tires to rims.
- 4) No valve stem protectors or double tires.
- 5) All tires MUST be car, truck or van tires, NO tractor tires, NO skidsteer tires. ONLY DOT approved passenger tires
- 6) No Studded, Winter or Excessive grip tires on drive wheels of vehicles (cars, trucks or vans). This is to reduce the amount of rocks and debris shot out of the ring. You may be asked to rotate or switch your tires at time of inspection if they are deemed to be aggressive tread by inspection techs.

Radiators

- 1) Radiator must be stock, located in stock position. **Water only**. Please flush out coolant prior to derby day. This is a safety as well as an environmental caution that will be strictly enforced.
- 2) No adding of Spacers or any modification of Radiator support to alter radiator height.

Brakes

- 1) All cars **must** have working brakes. They will be checked before you enter the track.
- 2) No Pinion brakes

Gas Tank

- 1) Original gas tanks must be removed. You must use a boat tank or well-made/CSA Approved fuel cell (plastic tanks are allowed) and it must be properly secured and covered. Fuel line must be secured and fastened properly. Keep away from exhaust. Place fuel cell behind driver's seat or center of the car where the back seat used to be.
- 2) No plastic make shift versions of tanks will be allowed (i.e. no jerry-can made tanks).
- 3) All tanks must be covered.

Electrical

- 1) Batteries must be moved to passenger floorboard close to transmission. It must be properly secured and covered. Industrial batteries (semi, tractor, military) may be used if you like.
- 2) All vehicles with electric fuel pumps must have shut off switch mounted on top of vehicle clearly labeled ON/ OFF, within reach for both driver and officials.
- 3) 2 12 volt batteries max.

Doors

- 1) Driver's door **MUST BE PAINTED WHITE** with no numbers on the door. (this will be enforced) NO WHITE CARS/TRUCKS! No exceptions!!! NO OTHER COLOR ON DOOR ACCEPTED!!! **WHITE OR YOU CAN'T RUN.**
- 2) **VEHICLE NUMBER MUST BE PAINTED IN LARGE EASY TO READ NUMBERS** or use a double-sided roof sign. This is to allow for better identification for officials/announcer.
- 3) Driver's door may have a piece of flat steel 6" wide by ½" thick overlapping the seams by 6" on the outside for driver's safety. No sharp edges or angle iron. Must be mounted horizontal and straight.
- 4) Doors maybe fastened **ONE** of the following ways:
 - a. Welded - welding 3 inches then leaving a 6-inch gap before next weld. 3"x3" 1/8" thick max plate
 - b. Chained – 2 Spots ONLY, using 3/8" chain max, single loop
 - c. Bolted - 2 bolts per door, 1" bolts max 5"x 5" x 1/8" washers max

Trunk

- 1) Trunk lids may use **ONE** of the following:
 - a. Chained - 4 spots using 3/8" chain max. Single loop only. You may use this chain to hold on your bumper in 2 spots. This counts towards your trunk chains.
 - b. Wired - 4 spots using #9 wires. 4 loops max You may wire your bumper on in 2 spots. This counts towards your trunk mounts.
 - c. Bolted - 4 spots using 1" bolts max. Use a max 5"x5" by 1/8" washer max.
 - d. Welded - Weld 3" leave 6" using 3"x3" by 1/8" thick max plates.
- 2) 12"x12" inspection hole must be cut in the trunk lid.

Hood

1) Hood may be chained, wired, bolted, welded (weld 3' skip 6') or threaded rod, but only ONE method can be used.

a. Bolt - 6 spots using 1" bolts max. 5"x5" by 1/8" washer max (2 in the frame only!!!) (rods only up and down NOT sideways to the frame) **NO VARIATIONS ALLOWED.**

b. Chained - 6 spots using 3/8" chain max. Single loop only. You may use this chain to hold on your bumper in 2 spots. This counts towards your hood chains.

c. Wired - 6 spots using #9 wires. 4 loops max You may wire your bumper on in 2 spots. This counts towards your hood mounts.

d. Welded 3" leave 6" off using 3"x3" by 1/8 thick max plates.

2) Fenders may be bolted, maximum of 3 bolts per fender (no bigger than 1 inch). Bolts can not stick out past the fender more than 6 "

3) All hoods must have holes over carburetor for fire extinguisher access and must be available to be open for inspection.

Front and Back Bumpers

1) Bumpers, shock and brackets are to remain stock. You may weld your shocks to the frame and bumper to the shocks. If you choose to not run bumper shocks you may weld bumper right to the frame. No filler metal or plates allowed **PERIOD! WE WILL BE CHECKING.**

2) Any car bumper on any car, Full size to full size allowed. Any small car bumper to small car allowed. Any car or truck bumper to truck allowed.

3) Homemade bumpers are NOT allowed.

4) No re-enforcing bumpers. Bumpers may not exceed 21" from the ground to the bottom of the bumper. We will have a measuring tape.

5) Bumper ends may be cut flush with body but must be straight cut and not sharp or jagged.

Frame

1) Frame must remain stock unless otherwise noted.

2) No re-welding of frame seams allowed.

3) No plating of frame allowed.

4) No shaping of frame allowed.

5) No stuffing metal, cement or wood inside the frame.

6) You may notch the frame in the back to help the way it folds but you may not weld the notch back together.

7) No painting of any kind on the frame will be allowed. If your frame is painted you will be loaded and sent home no exceptions. This includes Rock guard.

8) No "tilting" the frame allowed.

Safety Bars

1) **No Roll Cages Allowed.**

2) You are allowed to run a single bar behind driver's seat from door post to door post or 2 bars in an "X" configuration from door post to door post and a dash bar from door to door. Bars can

only be secured to the door post and not the frame of the vehicle. 4"x4" max pipe.

3) You can run a **single** bar from the seat bar to the roof in case of a roll over. Must be padded if used.

Chassis

1) Rubber spacers on factory body mounts MUST be factory.

2) All trailer hitches and braces must be removed.

3) 2 bars welded in the front windshield for safety.

Suspension

1) Suspension and parts must be stock or factory replacements.

2) Leaf springs must be stock; you can wrap the leaf springs (no more than 3 wraps or clamps per leaf spring). You can put spacers in sagging coil springs to get your height. You can wire or tack weld coil springs to the rear – end housing only to prevent springs from falling out. You can loop chain or wire from rear – end to rear floor boards in 2 spots.

3) Tie rods, A-arms, u-joints and Ball joints must be factory stock.

4) Any drive shaft may be used including sliders

Rear end

1) Rear Axle must be factory stock.

2) No rear end bracing of any kind.

3) Posi track or welded gears highly recommended.

Steering

1) You may alter you steering column to prevent loss of steering.

Engine & Transmission

1) Use motor and transmission of choice, motor must be in stock location. You may chain or weld motor or transmission to keep in place (don't strengthen the frame)

2) **No** distributor or engine protectors/cradles allowed.

3) Transmission coolers allowed but must be double clamped lines or hydraulic fittings.

4) Breathers covering carburetors is mandatory. Do not remove air cleaner. (causes fires).

5) You can run shifter through floor and you can have a switch panel. You may also have a hand throttle. If you are running an electric fuel pump – it must be hooked up to your ignition switch to turn off at the same time.

Body

1) **NO** welding of body seams.

- 2) **NO** reinforcing the body with extra plates of steel.
- 3) **NO** double skinning of sheet metal.
- 4) **NO** patching of rust on the entire car.
- 5) **NO** Folding, tucking or overlapping of body panels. May pre-bend trunk within reason, if officials feel over bending has occurred, you will be disqualified.

Questions text or call (204) 392-9145 or email derby@hanoverag.com