

# 2016 Hinckley Lions Club Bone Stock Demolition Derby Rules

These rules apply to any American made full size car for the exception of 1973 and older Imperials. The intent of these rules is to give an option to drivers who want to reduce the cost of building a demolition derby car and be as competitive as any other driver they will be driving against.

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## 1. PREPARATION:

- a) All glass, plastic and pot metal must be removed. Gas tank must be removed. Nothing may remain in the bottom of the doors or trunk. All outside hardware must be removed (door handles, mirrors, chrome, molding, screws, fiber glass, etc). Inner wagon panels may remain but all rear seats must be removed. All trailer hitches brackets and framework aftermarket or OEM, must be removed completely.
- b) No added weight to the car except the weld. No packing the frames, trunks, passenger doors, or under floor decking.
- c) Front seats must be securely mounted to the floor and must have seat belts. All cars MUST have inner padding on driver's door and driver's side door posts.
- d) All flammable materials inside the car must be removed except necessary safety padding and seat.
- e) No Sadagoning is allowed. (Converting a wagon into a sedan). Contact us if you have any questions.
- f) No Skid Plates allowed.
- g) Your number must be at least **18** inches tall and must be painted on each side of your car and the roof. Roof signs are ok, but they must be placed as far back on the roof towards the trunk as possible, ideally over the rear seat.
- h) ALL CARS MUST BE COMPLETE BEFORE BEING INSPECTED. ONCE INSPECTED YOU ARE NOT ALLOWED TO WORK ON YOUR CAR. (Charging batteries & checking fluids is ok).

## 2. Welding and Bumpers

**ONLY original bumpers may be used and ONLY the following may be welded:**

- a. The original bumper brackets in stock position and location fully to the frame.
- b. The original bumper brackets fully to the bumper.
- c. Bumper shocks may be collapsed and welded.
- d. 2 straps per bumper that are 2 ½" wide 3/8" thick and 3' long may be welded 6" to the hood and trunk lid and 6" on the front and back bumper.
- e. 6 pairs of 3" X 3" X 3" angle iron may be welded to the top of the hood and trunk lid for use in securing the hood and trunk lid down. See "Securing" rule.
- f. Driver's door including the top of the door where the window passes through may be fully welded.
- g. 50% of all other doors exterior seams may be welded.
- h. Interior and window bars must be welded. See "Safety" rules.
- i. Spider gears in the rear end may be welded.

## 3. Securing

- a. All doors must be secured shut with weld (see welding rule), 4 loops of 3/8" chain, or 4 loops of ½" cable.
- b. All body mounts must remain stock.
- c. Hood and trunk lid must be secured by either using 6 pairs of 3" X 3" X 3" angle with one piece of angle welded to the fender and one welded to the hood or trunk lid with no greater than a ¾"

bolt holding them together OR 6- 3/4" X 6" bolts using 3" washers OR 6 loops of 3/8" chain or 1/2" cable. A combination of any of the previous methods can be used as long as only a total of 6 methods are used per hood or trunk lid. Excessive use of chain or cable will not be allowed.

- d. Bumper may be welded to brackets and brackets to the frame and 2 loops of 3/8" chain or 1/2" cable may be wrapped once around the bumper and once around the radiator support/hood or trunk lid/trunk floor. 2 bolts per chain may be used to tighten the loops of chain.

#### **4. Drivetrain and Rear ends**

- a. Any motor/transmission combination may be used. No Cradles or Transmission Braces, or Distributor Protectors or Slider Drivelines allowed. Only the motor mount may be welded to the frame where the original mounts of the car were.
- b. Motor may only be secured in the footprint of the original motor and 4 lengths of chain may be used to hold the motor down. Chain used for securing the motor may be welded to or looped around the frame within 3" of the A-arms. Chain links may be welded.
- c. Transmission mounts may only be bolted twice per frame rail and may not create a new body mount.
- d. ONLY 5 lug OEM car rear ends may be used. No bracing of any kind intended to strengthen the rear end may be used.

#### **5. Safety**

- a. A front and rear window bar is required on all cars and may be welded to the cowl or hood, or speaker deck or trunk lid. Window bar may be secured only by weld with a footprint no greater than 3" X 3" X 3" and located within 6" of the window opening both on the roof and on the hood/cowl/speaker deck/trunk lid.
- b. A bar that is no smaller than 3" diameter and no greater than 6" diameter must be used across the dash and behind the seat.
- c. A roll bar that is attached in 2 places to the floor and to the bar behind the seat is mandatory.
- d. A bar connecting the seat and dash bar may be used across the passenger side of the car.
- e. A bar across the outside of the driver's side door is allowed and recommended.
- f. Driver's door and vertical posts near the driver's head must be padded.

#### **6. Other Rules**

- a. You may cut out any metal to allow access for shifters, cables, and hoses or on the frame or body but it may not be welded or bolted back together. Creasing and folding are allowed.
- b. All holes bigger than 6" in the firewall must be covered.
- c. Transmission coolers are allowed.
- d. Battery may be relocated to the passenger side front floorboards.
- e. A 6 gallon or smaller metal gas tank must be used and secured behind the driver's seat on the driver's side floor.
- f. A minimum of a 12" hole must be made in the hood and trunk lid for inspection. If it is deemed that the hole is insufficient to inspect the car, a bigger hole may be required.
- g. All suspension must remain stock. Spring spacers may be used.
- h. A single loop of 3/8" chain or 1/2" cable may be used around each frame rail and the rear end.
- i. Only 3- 2" wide leaf spring clamps may be used per leaf pack. No additional leafs may be added to originally leafed cars. No leaf spring conversions.
- j. Frames may be cut and prebent but no welding may be done.
- k. Preran cars that have been repaired need to be approved prior to the show. Call (435) 496-3750.