

**Union County Fair Demo Derby**  
***Stock Full-Size & Small Car Rules***

Afton, Iowa

July 19th, 2020

Gates Close : 5:30 p.m

Pit Meeting : 5:45 p.m

Start Time : 6:00 p.m

**Entry fee: \$40 per car per driver. \$25 for pit passes**

## **PRIZE POOLS**

### **Modified Full-Size Prize Money**

1st Place - \$1,200 + trophy

2nd Place - \$800 + trophy

3rd Place - \$400

(This prize pool only applies if there are 12+ cars. If there are 11 or fewer cars, we will only be paying out to the first 2 places.)

### **Stock Full-Size Prize Money**

1st Place - \$1,500.00 + trophy

2nd Place - \$700.00 + trophy

3rd Place - \$350.00

4th Place - \$100.00

(This prize pool only applies if there are 12+ cars. If there are 11 or fewer cars, we will only be paying out to the first 2 places.)

### **Stock Small Car Prize Money**

1st Place - \$1,200.00 + trophy

2nd Place - \$600.00 + trophy

3rd Place - \$250.00

4th Place - \$100.00

(This price pool only applies if there are 12+ cars. If there are 11 or fewer cars, we will only be paying out to the first 2 places.)

## **Participant Regulations**

- Drivers must be 16 years old to compete.
- Must make contact every 60 seconds or be disqualified.
- No sandbagging.
- No team driving allowed.
- No driver's door hits allowed.
- Must wear full faced helmet & eye protection.
- Seat belts mandatory!!!!
- SMALL CAR/COMPACTS FRONT WHEEL DRIVE WHEELBASE 113"OR LESS.**
- REAR WHEEL DRIVE COMPACTS WHEELBASE 105"OR LESS.**
- 4CYL OR 6CYL, NO V8's**

## **Preparation of Cars**

No 1973 or older imperial or imperial sub frames No 1970 or older Lincolns No stubbing of Cadillac subframes if you have a Cadillac subframe it better be a Cadillac car. If you have a 2003 or newer Ford or Mercury you must run the aluminum cradle. No plastic gas tanks ( heavy duty plastic racing fuel cells are allowed) No wedging, no sedagons, no jeeps, no trucks (ranchero and el Caminos are considered trucks), no carryalls, no Hearst, No limos, no convertibles, No 1970 or older Lincolns. All glass, chrome, pot metal, lights, carpet, headliner, back seats, fiber glass and anything else that is flammable must be removed before reaching the exhibit area this will be strictly enforced ( do not break glass down in the doors). Trunks must be empty of all debris, spare tire rims, parts, ect. Wagons must have spare tire flap removed or hole cut in it for inspectors to see. Absolutely no welding besides what is stated in these rules. Unlimited 9-wire.

## **Mandatory**

You must have number on both front doors big enough to read and bright enough color to see. Use your choice of number. No profanity allowed on cars.

## Engine

No Distributor Protectors at all. you may run lower engine cradle with no kickers at all to frame, only engine mounts!!!

**Small car can run a carburetor, with NO carb protector, and no engine cradles. (NEW 2020)**

## Radiators

Stock.Factory location

## Transmission

of your choice you can run tranny cradles but cannot touch any part of the crossmember before or after derby (will inspect after)

## Battery

Must be moved to passenger compartment. Must be in a secure position and be covered with something non-flammable like rubber tube, rubber floor mat, etc. Batteries must be secured so they don't move. 2 12v batteries max.

## Suspension

Must remain stock. No weld on shocks, no trailer hitches, No twist in spring spacers, special lifts, blocks, air shackles, air shocks, air lifts must be deflated. Upper control arms may be bolted or welded to the frame. IF they are welded, the strap can be no bigger than 3" by 3" .**FULL SIZE**

**NEW RULE WILL BE STRICTLY ENFORCED FRONT BUMPER HEIGHT NO MORE THAN 30" TO MIDDLE!!! REAR BUMPER NO LESS THAN 26" to BOTTOM!!!**

Station Wagons must use factory springs. 2" stagger in the back of the spring, 1" spring on the front of the spring. No more than 8 leaves and no double main leaves.

## Rear Ends

**SMALL CAR AND FULL SIZE: Any 5 lug rear end of your choice. Locking of rear ends, Trans breaks, hats, and braced rear ends are permitted. (NEW 2020)**

## Drive Shafts

of your choice **SLIDERS ARE OK**

Trailing Arms & A-Arms **NEW RULE NO REINFORCING OF TIE RODS**

Trailing arms may be shortened or lengthened

Reinforced rear control arms are permitted. Front control arms must remain stock. Front upper and lower arms must remain stock

### Hood

Hood must remain in factory position. 6 hood bolts allowed only 2 may go through the frame outside of radiator. Bolts must not be any bigger than 1" with washers no bigger than 6 inches outside diameter. You must have two holes cut in the hood big enough for fire extinguisher. Not directly over carburetor. You may also use 20 bolts around header holes no bigger than SAE 3/8 with washers no bigger than 2 inch outside diameter. You are not allowed to weld hood down.

You can run 2 windshield straps 2 inches wide from roof to Cowl

### Trunk

You can use 4 1" all Thread bolts in trunk or #9 wire not both!! Trunk lids must remain on factory hinges. Tucking or V'ing of trunk lid is allowed, You may chain or #9 wire. NO MORE THAN 50% OF TRUNK MAY BE TUCKED, **No Rear window straps.**

### Body

**FULL SIZE AND SMALL CARS** can weld doors outside only with 3x3 metal strap, skip 5" then weld your 3x3, skip 5" etc on all doors and trunk, **DO NOT WELD HOOD DOWN!!** Drivers door can be welded solid inside and out. Station Wagons must remove rear decking

No seam welding, no patching. Pre-denting is okay.

### Fenders

Fenders may be trimmed and 10 bolts may be used per fender. Bolts are to be no bigger than 3/8 with washers no bigger than 2 inch outside diameter.

Full size cars may run 4 plates 3" wide and weld it to the frame and inner fenders. 2 per side.

### Body Mount Bolts

**Bushings must be factory or Equivalent too like a hockey puck**, you can replace body bolts with 7/8" bolts with washers.

**Radiator support and 4 trunks bolts do NOT have to have body bushings. They can be bolted solid.**

### Frame

Pre-Run bent frames can use 4 plates front and 4 plates on back. **You are allowed to weld all 4 sides on all 8 plates (New 2020).** 4"x4"X1/4 thick example if you used 3 on the left front you can only use 1 on the right front etc. can't be formed to bent frame leave straight and weld but I have to

see where it was bent. Trailer hitches must be removed, welding on frame read below, No reinforcing of frame whatsoever. You can notch the frame. Patching of rusty frame allowed on two sides of frame with thickness same as the frame not to exceed 2 inches beyond rust. Must have 1" hole in patch for inspection and leave the rust alone don't cut it away Must be able to see rusty frame. Frames can be pre-bent but Fords have to be cold bent. No welding on crushbox. **You may weld frame seam from A-frame, forward, top side only.(NEW 2020)**

### Doors

Chain, wire, bolt or weld if welding use a 3"x3" no more than 1/4 thick weld then skip 5" then weld 3"x3" then skip 5" weld outside of doors no welding on inside door seams

FULL SIZE and SMALL CAR Driver's door may be welded solid with a strap no bigger than 3 inches, on the outside only. All other doors must be chained wired or welded shut. if using chain or wire must be 4 spots around all doors

### Cage

Mandatory bar behind seat from door post to door post no less than 2"x2"x3/16 thick you can X brace behind seat with no kickers but can connect X brace or roll bar to dash bar with 2 kickers to floor on each side inside of door seams only and can weld to body or frame, no farther back than 5" from B-pillar. **Halos are allowed no further back than 5" from B-Pillar. On Two-Door cars the halo should be no further back than 5" from the top of the seat.** GAS TANK PROTECTOR can be ran but no wider 30" only attached to the seat bar with nothing going off of it to body or frame

### Bumpers

**Stock Small cars are allowed to run a homemade bumper 4"x4"x3/8" thick with no more than a 3" point. Also allowed to plate 4 sides of the frame 10" back from the bumper. Cannot be wider than the fenders. (NEW 2020)**

Bumpers shocks and factory mounts can be welded front and rear.

**FULL SIZE ONLY: 14" plate 4" wide by 3/8 " thick from the front bumper back.** It has to be on the top or side of the bumper and cannot wrap around the edge of the frame.

**Full size:** Front bumper may be stuffed with 3x3 square tubing 1/4 thick. You can weld solid to frame (HARD NOSE) or use FACTORY bumper brackets only, you cannot do both. **You are permitted to build a homemade bumper using 5"x5"x3/8" square tubing with no more than a 4 inch point from the flat side of the bumper, out. Cannot be wider than the fenders.(NEW 2020)**

### Gas tanks

**SMALL CARS CAN LEAVE STOCK FUEL TANK UNDER CAR AS LONG AS IT'S IN FRONT OF THE REAR SUSPENSION.**

Maximum of 6 gallons of gas. Fuel cells/metal boat tanks must be placed in back seat area and properly secured. NO STOCK TANKS! Fuel cells must be secured so there is no movement ( Do not use bungee cords for this). If the tank is not secure you will not be running. Fuel cells must have secure caps and be leak proof. All fuel lines must have no leaks. Stock gas tanks must be removed or have holes in them and washed out. NO PLASTIC TANKS!( Heavy plastic racing fuel cells may be used).

### **Tires**

D.O.T. approved light truck tires or skid loader tires.No fluid in tires,no studded tires

This is a stock class. It will remain a stock class so do not do any more than what is stated in these rules. Do not do anything to make your car illegal after inspection. If this happens you will be disqualified and no return of entry. Officials have the right to re-inspect your car at any time.

### ***Modified Full-Size Rules***

-Door plating is allowed. Plating cannot exceed from doors more than 6". No plating on quarter panels, or front fenders.

-Cowl bar kicker can only be behind A-frame.

-No Trucks, no hearses, no ambulances.

**NO OTHER RULES for Mod Full-Size.**

### Power Wheels

Ages 4-9 yrs

#### General Rules

All children must be signed in with both parents at the pit gates. Both parents can't attend event, must have notarized permission slip with child. Call for permission slip. All children must wear approved safety helmets. Bicycle helmets will pass. If child gets out of the power wheel during event, that child is out of the event.

#### Power wheels build

All power wheels must remain stock with no added reinforcement. You may add a rubber tire to the tread area of the power wheels tire for added traction. Must use factory 12 volt or smaller lawn mower 12V battery only and must be mounted secure and covered with rubber mat.

#### Power Wheels paint

Power wheels can be painted like a demo car each Power wheel must have a number on each side

#### POWER WHEEL EVENT

We will run one heat of the power wheels unless we have a lot then we'll go age groups one parent will be allowed on the track with their child during the event. There will be a set time limit depending

on number of power wheels after time has expired, the winner Will be determined the child that perform the best during the event. This will be scored by people chosen out of the crowd randomly.