

*Roseau County
Fair Demolition
Derby Rules*

Friday July 23rd, 2021

Inspection: 4:30pm to 6:00pm.

Driver Meeting: 6:30pm

Derby Start: 7:00pm

\$8,000 Total Purse.

***Prize checks will be available immediately after the derby in the announcer's booth (north side of the grandstand, up the stairs), please pick up there.

General Rules:

1. Drivers must be at least 18 years of age or have a signed entry and waiver from parent or guardian. Minimum age 16 years to drive or enter pits.
2. There is a registration fee of \$25 per vehicle when signing up which includes vehicle and driver. Each pit/additional person will be charged \$10 at the gate. The registration fee is refundable to driver after successful completion of vehicle inspection (must be pre-registered by Wednesday 7/18 for refund). ***Bush class cars are also eligible for entry fee refund if car is wrecked during bush races, see Matt Kvien***
3. Driver and Pit Person are required to sign waiver prior to entering the pits, waiver is at the bottom, or we'll have them at check-in.
4. No alcohol allowed in pits.
5. Helmets, seat belts, and eye protection must be worn in the ring **at all times**. Drivers are required to wear long sleeved shirt or jacket, long pants, and gloves.
6. All drivers and vehicles must complete inspection one hour before derby start. Please arrive early enough to allow time for any adjustments needed to pass inspection. A mandatory Driver Meeting will be held 30 minutes before derby start.
7. Intentional or careless hits on driver's door will cause the driver to be disqualified.
8. If you become hung up or if your vehicle dies, you will have 2-minutes to restart and make an aggressive hit on an eligible vehicle.
9. Vehicles can be painted in any color or manner. No offensive or profane slogans allowed.
10. Vehicle numbers can be requested at registration. In case of duplication, the later registrant will need to choose a new number.
11. All vehicles will have roof sign a minimum of approximately 1.5' x 1.5' square (max 2' x 2') with the last name and car number clearly displayed mounted securely on the center of the roof. This helps officials to properly identify dirty & mangled cars. Even a cardboard box works, anything helps.

VEHICLE PREPARATION:

1. Vehicles will be divided into 4 classes, Full-Size, Bone Stock, Trucks & Bush Car. All will adhere to the same preparation rules, except as noted below.
 - **Full-size:** Any North American factory built, hardtop, passenger car can enter except for the following: 1973 and older Imperials or cars with pre-1974 Imperial frames.
 - **Bone Stock (new class for 2021!):** Limited to 4 or 6-cylinder, front wheel drive, cars or mini-vans, no wheelbase limit. Same criteria & build rules as Bush class, but for cars that did not race.
 - **Trucks:** Any North American built, full-size, 2-wheel or 4-wheel drive pick-up, Blazer, Bronco, or Suburban etc., 1/2, 3/4 or 1-ton will be allowed. Pick-up truck parts only, no heavy truck parts.
 - **Bush:** Limited to 4 or 6-cylinder, front wheel drive, cars or mini-vans that ran Thursday night race, very stock build. No wheelbase limit. Specific "Bush" rules near bottom.
2. To help ensure a fair inspection, no excessive mud, undercoating, fresh paint etc. will be allowed underneath vehicles or on the frame/chassis.
3. All hoods must be open or removed for inspection, this is mandatory.
4. All passenger restraint airbags must be removed from vehicles.
5. You must have at least one bar or chain (2 max) in windshield opening from cowl only (not hood) to roof for driver's safety to prevent hood from entering driver area.
6. You may use the engine and transmission of choice. Engine must be in the stock location (as close as possible, rear-most cylinders on engine must be located forward of firewall for safety).
7. You may weld or chain the engine in place (**DO NOT** strengthen the frame). If welded, only to engine cross-member, no welding on main frame rails. No engine or transmission protectors allowed, you may cut out your firewall for distributor clearance.
8. All glass must be removed from vehicle before arriving at the derby.
9. All rear and front plastic or fiberglass must be completely removed. Includes fiberglass header panel, 1/4 panel extensions, chrome moldings, antenna, windshield wiper arms, sun visors and any other dangerous loose objects.
10. Valve stem protectors are allowed but must be securely attached. Wheel weights must be removed. No split lock rims or bead locks. **NO STUDDERED, BAR TREAD, TRACTOR, PADDLED, IMPLEMENT, AG TREAD, OR SOLID TIRES PERMITTED ON DRIVE WHEELS.** Typical trailer or forklift-type tires OK on any corner, just no Ag or bar-type tread on drive wheels. Must pass inspection.

11. Radiator can be removed, but must be in the stock location if used, no water tanks or coolant lines inside the cab or outside of the vehicle.
12. All vehicles must have working brakes.
13. All trailer hitches and aftermarket trailer hitch braces must be completely removed.
14. Original gas tanks must be removed and replaced with a boat tank, fuel cell, etc. Tank must be mounted securely to the floor in the back-seat area (can be mounted against front of box for trucks). Steel or designated plastic tanks (e.g. marine) are allowed.
15. Absolutely no portable fuel cans will be permitted to be used for the fuel tank.
16. Transmission coolers are allowed, must be located in a safe place and well secured.
17. Batteries can be moved inside the vehicle, must be close to the transmission tunnel, properly secured and covered.

Wheel wells, doors, trunk lids, wagon gates & tailgates:

1. All car doors, wagon gates, and trunk lids must be fastened shut at no more than 4 points each with any combination of chains, wires, threaded rod (1" max diameter), or bolts (1" max diameter). You may weld no more than 4, 4" square plates per door (side doors only) in place of bolts or chains, but not in addition to.
2. Trucks get 4 total additional bolts in box (in addition to factory mounts), these can be used on the tailgate or through the box floor to frame.
3. All trunk lids must have a 16" minimum diameter inspection hole, no welding in trunk or on trunk lid.
4. You may trim your ¼ panels and fenders for wheel clearance and bolt them back together with no more than 4-3/8" bolts/nuts/washers (2" max O.D.) per opening.
5. No rear window bars or other bracing from frame or speaker deck to roof.

Hoods:

1. Hoods may only be attached in a total of 6 places. Examples: two chains & four bolts, or four bolts & two threaded rod, or any combination of six total. (not counting stock hood hinges/latch, if used). Only front 2 rods may go through frame (if used). Remember, must be open or off for inspection.
2. Hoods must have at least one 16" diameter hole cut (and metal removed) for putting out fires. Any holes cut may be bolted back together around the edge with 3/8" or smaller bolts, nuts, and washers (2" max diameter washers) or self-tapping screws. Max of 12 total on hood, through hood only (not fenders or core support).
3. Hoods may not be repositioned and must remain in stock position in rear relative to fenders.

Welding:

1. You may weld inside and outside of driver's door. You may also weld any size plate across the driver's door not to exceed 6 inches past either door seam, and no thicker than 1/2 inch.
2. 1979 & newer Ford cars may grind off factory weld and tilt at crush box, re-weld factory seams on crush boxes only, no added metal or frame alterations elsewhere. Crush box tilting allowed only.
3. No other welding of body or frame allowed unless stated elsewhere in the rules.

Safety Cages:

1. You may weld 2 horizontal bars in the interior of the vehicle, one behind the rear of the driver's seat (the seat bar cannot be more than 6" behind the front door seam or door pillar) & one along the firewall where dash was located. The bars may not be larger than 6" in diameter. NO kickers off the bar.
2. The front & rear bars may have connecting bar on both driver and passenger ends to create a four-point cage but may not extend rearward more than 6" past the front door seams (the door posts). NO other bars allowed inside or outside unless listed in the rules.
3. Halo (rollover) bars are allowed, they can only be welded or bolted to the 4pt cage (not to floor or frame), they cannot be fastened to the roof or vehicle pillars in any way, roof signs cannot contact the halo bar.
4. ***Trucks only: Safety cage/halo bar can connect to the frame underneath the cab only (front seat only if extended or crew cab, Suburban, Bronco, etc.). 4 places only***

Bumpers, Trucks & Full-Size (changes for 2021):

1. Bumpers are interchangeable; mounts/brackets from any stock passenger automobile may be used but may not extend more than 16" total from the end of the vehicle frame. You may also use one 16" long x 4" tall x ¼" thick

plate per side in place of factory bumper mounts/brackets, but you can not use them in addition to factory mounts.

2. For trucks & full-size only, front and rear bumpers can be stock, modified or fabricated from scratch, and can also be reinforced as desired with the following 3 limitations.
 - a. A fabricated bumper can't be more that 12" tall or deep total in any direction.
 - b. There are no sharp points or edges allowed, if there is a fabricated point in the middle it can not be any sharper than 90 degrees and must be as tall as the rest of the bumper.
 - c. The bumper can not be wider than the vehicle body.
3. You may weld the front or rear bumper brackets to the frame. You can weld bumper brackets and shocks to the bumper. You can weld the shocks to the frame. You can collapse shocks and bolt the shocks to the frame with bolts. You may trim bumper ends.

Body Mounts/Body Bolts:

1. Body mounts can be removed, and body mount bolts replaced. (3/4" max diameter)
2. You may add a nut and a washer or plate (4"x 4" maximum) to the top of the bolt inside the vehicle, and a washer to the bolt below the frame.
3. Rust on interior floors only may be patched with similar gauge metal & 2" overlap max, welding permitted only for patching.

Suspension:

1. You may have up to 6 leaf spring clamps per side. The spring clamps may not exceed 2 inches wide and 3/8" inch thickness.
2. Coil springs may be tack welded (2" total top and bottom) or wired in place to prevent them from falling out.
3. You may use the rear axle of your choice. Rear axle housings may be braced but cannot reinforce the frame or body.

Truck Preparation Rules:

1. All auto rules apply in addition to the following:
2. Front bumper height can't exceed 24" from ground to bottom of bumper.
3. 4x4 vehicles are only allowed 1 driveshaft (front or rear), making them 2-wheel drive only.
4. Fuel tank must be relocated to the bed of the truck against the front of the box in pick-ups (may be located behind rear seat in extended cab trucks or SUVs).
5. You may run automotive type (or modified/fabricated) bumpers; same rules as full-size cars, see above.
6. The back of the cab may be welded to the bed with 1, 1/4" thick plate per side. Plate may be max of 6" tall and overlap the box and cab 2" each side (driver's side may overlap onto driver's door for safety).
7. No welding or adding reinforcement unless otherwise specified in the above rules.

Bush & Bone Stock Car Preparation Rules:

1. Eligible cars: 4 or 6-cylinder, front-wheel drive cars or mini-vans.
 - a. Bone Stock class is open to all cars that meet the above and below rules.
 - b. Bush class is open to all cars that meet the above and below rules and raced on Thursday night.
2. Please make sure to remove or disable the car's airbags.
3. Rear glass must be removed. Windshield can either stay in or be removed; side windows can be rolled down in doors or removed. If windows are rolled down, interior door panels must remain in place.
4. Radiator, bumpers and all body components must remain in stock position and without alteration.
5. Battery can be left in stock location or relocated. If relocated, it must be mounted securely, and covered if mounted inside the cab.
6. Fuel tank can remain in stock position as long as it is under the floor and forward of the rear axle (most FWD cars/vans are like this). Fuel tank can be located inside car if safely mounted.
7. You may run 1 chain, wire or bolt on each door (except driver's door), and one each on hood and trunk, to keep them closed. These cannot go through or around frame.
8. Driver's door only may be welded or chained closed and reinforced as desired. Can't go more than 6" forward or rearward of driver's door outer seam.
9. Official's discretion will be used on any repairs made, i.e. fixing mechanical damage incurred during race. Do not strengthen vehicle while repairing.

10. These cars are meant to be STOCK except where otherwise noted, please keep them that way or you will not be able to run.
11. You may remove any parts, but you may not add anything other than what is noted above. No added metal, duct tape, welding, bolting, chains, wire, **abso-freaking-lutely STOCK**. Did I mention these are stock?

Complete Rules and Registration can also be found at:

<http://roseaucountyfair.com/demoderby/>

