

Bonner County Fair Demo Derby

Saturday, August 11, 2018

7:00 pm – Outdoor Arena

Big Car 1 st	\$3000.00
Big Car 2 nd	\$1000.00
Big Car 3 rd	\$500.00
Big Car 4 th	\$250.00
Big Car 5 th	\$100.00

Best Paint - \$150.00

Most Aggressive - \$200.00

Longest Traveled - \$150.00

Team Derby Show: \$1,500.00 + Winner's Jackets

Small Car 1 st	\$700.00
Small Car 2 nd	\$200.00
Small Car 3 rd	\$100.00

There must be a minimum of 3 cars for full pay out in Small Car derbies.
Payout will be reduced if minimum is not met.

Competition Rules:

1. You must make an aggressive hit every 2 minutes.
2. Sandbaggers will be stopped and a pink bull's eye painted on their cars at the discretion of the officials.
3. No team driving.
4. 2 fires allowed per car allowed. Disqualification upon 3rd fire in the current event.
5. Intentional hit and/or defensive use of driver's door will result in automatic disqualification.
6. Driver must remain in car with helmet, seat belt and eye protection on until notified by an official. (if car is on fire, get out!)
7. Break stick when directed or upon your choosing. Unbroken sticks will be considered in competition and you will be hit.
8. Obey the officials.
9. Any failure of safety equipment (door bars, dash bars, "H" bars, loose battery boxes, leaking gas tanks, etc.) – You will be done until fixed.

Cars open to Competition

1. American made full size cars.
2. Imperials 1973 and earlier are not allowed and no sub frames or parts of imperials.
3. No ambulances, hearse or limousines allowed.

General Preparation

1. All glass must be removed. No glass debris left in car. 100% CLEAN YOUR CARS!
2. Replace front window with expanded metal and 2 bars, straps, box tubing or chain.
3. Car exterior must be stripped of all molding, pot metal, headlights, trim, taillights, door handles, mirrors, etc to alleviate parts that will easily break.
4. All flammables to be removed from interior with exception of driver's seat or bench seat. Rear decking on wagons must be removed.
5. All vehicles must have a roof sign min 15" x 15" showing their number on both sides. (be creative with sign but please keep family appropriate).
6. Front seat must be securely fastened to floor as to not pull through sheet metal. Do not attach seat to frame.
7. 5 point harness highly recommended.
8. All cars to be painted for the crowd's enjoyment.
9. Vacuum your cars out.
10. Your painting & decoration must be family appropriate.

Frames

1. Weld from "A" arms forward all seams, top and bottom.
2. Closing the "Y"s are allowed, but no added metal.
3. No painting, buffing, oiling or undercoating of frames.
4. No factory holes will be covered up.

Brakes

1. All cars must be able to demonstrate the ability to stop at any time. (make sure they work).

Tires

1. Any DOT tire is allowed, up to 10 ply.
2. No fork lift or skid steer tires.
3. Inner tubes and air are allowed. No foam or other substance allowed.
4. Valve stem protectors allowed.
5. No split rims or rim locks allowed.
6. Multi rim centers are allowed. (bolt holes only).
7. No aftermarket full center section rims allowed.

Bumpers and Brackets

1. Stock OEM bumpers only. Bumper swaps ok.
2. Attachment of the bumper may not be done in any way as to keep the frame from bending.
3. Bumper bracket and shocks must be from an OEM car.
4. Shocks can only be welded to sides of frame. (inside or outside).
5. If using bumper mount from a mopar "Y" frame car, weld on sides of frame but not on top or bottom or inside at the very end or inside frame.
6. You may only use either shocks or stock bumper brackets. (not both). Do not add metal.
7. No welding bumpers to body in any way. Bumpers must be welded to frame or shocks.
8. Shock may be welded extended or compressed.
9. Bumpers may be trimmed to clear tires.

10. Bumpers may be flipped.

11. Do not relocate core support.

Body Bolts

1. Body bushings may be removed.
2. OEM bolts may be replaced with same size aftermarket equivalent.
3. 4"x4" plate or 4" washer may be used on body side of bolt.

4. 1" washer may be used on frame side of bolt.
5. You may use (2) 1" all thread at the core support for hood and (2) all thread at the trunk deck through the frame.

Hoods

1. Hoods must be bolted or chained shut.
2. You may use (16) 3/8" bolts for hood skin and around hood opening.
3. You must have (2) 10" holes in hood for fire. Exhaust stacks may go through them.

4. Maximum of 6 bolts in hood – 2 may go through the frame at core support while the others must be through sheet metal only. Maximum 6"x6" plate may be used at wheel well and at the hinge of the hood

Doors and Windows

1. Doors may be welded solid or skip welded.
2. Doors not welded must be bolted and chained as to not open. Open door will be disqualification.
3. Wagon tail gates may be welded or bolted and chained.

4. 2 vertical straps (2 ¼"), bar (1"), box tubing (1 ½") or chain (1/2") attached from roof to cowl area. Bolted, welded or both.
5. Rear window bars are allowed from roof to front of the trunk seam. Welded or bolted.

Trunk Lids

1. May be chained or bolted.
2. If bolted, only (2) bolts max size 1" may go through frame with max 6" washer. 4 other bolts go through sheet metal only.
3. If welded, stitch 3" with 6" gap maximum.

4. If chained, chain to sheet metal in 8 locations only.
5. Place a 10" inspection hole if unable to see through area where rear seat used to be.

Body

1. Body creasing is allowed.
2. No added metal to body panels.
3. Holes may be cut to accommodate shifter, fuel lines, transmission lines etc.

4. You may have up to (8) 3/8" bolts in the wheel well are for attachment of inner and outer fenders. Wheel well trimming for tire clearance is allowed.

Radiator

1. Radiator and supports must remain in the stock position and location.
2. All radiator cooling components must remain under hood. No cooling systems inside car.
3. Stock OEM radiators and cooling systems only.
4. Water only.

Batteries

1. Batteries are to be relocated on the passenger side floor of car.
2. Battery box must be made of "METAL," bolted to floor and securely closed with lid to prevent spillage.
3. 2 batteries are allowed in car.

Fuel System

1. Metal gas tanks only.
2. Original fuel tank must be removed.
3. Gas tank must be securely mounted to floor or on "H" bar.
4. Gas can protector is allowed with maximum size of 36"x36" and cannot be used as a kicker in any way. 8" clearance from door skin. Do not bolt to frame.
5. Shield over gas tank is required.
6. Fuel lines may run through car, be made of rubber and encased with larger hose (garden hose) for protection.
7. Lines must be secured to center of floor.
8. No metal lines.
9. Fuel lines must be double clamped at all connections.
10. Electric fuel pumps must be secured to floor and have a clearly marked switch as to on and off in large lettering.

Drive Lines

1. Slide shafts are allowed.

Engines

1. Any engine in any car.
2. Engine cradle and pulley protector allowed. May not reinforce the frame in any way and can only be mounted to stock mounts in stock locations.
3. No engine coolers.
4. Must have air cleaner over carburetors at all times.
5. No starting fluid.
6. Distributor protection allowed only on distributor engines. No Distributor protector on LS Engines.

Transmission

1. Passenger car transmission only.
2. Trans cooler may be used with hydraulic high pressure braided cable coated lines only with secured ends. Stock transmission only. No bracing – No after-market add-ons.
3. Trans cooler may be in a water box secured to floor or can hang in the rear seat area behind a shield.
4. No fuel lines allowed.
5. Trans cooler not to be bolted to frame (body only).
6. Use hydraulic braided cable lines only for tranny cooler lines.

Suspension

1. OEM running gear only.
2. No coil to leaf conversions.
3. You may change coil springs.
4. Stock style shocks only. No solid pipe or all thread.
5. No reinforcement of “A” arm allowed.
6. Tie rods may be reinforced but must be OEM parts. No aftermarket tie rod ends.
7. Steering wheel to gear box can be modified.
8. Aftermarket steering is allowed.
9. You may have 3 clamps per leaf.
10. Leaf spring must be in factory location – Up to 9 leaves per side.

Rear ends

1. 5 lug rear ends only.
2. Ford, mopar or gm rear ends may be used in any car.
3. Rear end control arms may be shortened or lengthened to accommodate pinion angle. Rear end gears may be welded up.

Door Bars

1. Channel iron 8” min width and ¼” thick for door bars. No grader blades or guard rails allowed.
2. Door bars are not to exceed 78” and may not extend into wheel wells.
3. Bars must be secured in 3 locations minimum with 1 ½” bolts, all thread or be spot welded on. 2 of these bolts must tie into the spreader bar behind driver’s seat.

Spreader and Dash Bars

1. Spreader or “H” bars must be bolted to a door bar behind the driver’s seat, extending from “B” pillar post (driver) to “B” pillar post (passenger).
2. Upright (roll post) must be directly behind the driver from floor to roof with a 4”x4” plate welded to each end and bolted through sheet metal in 2 spots minimum. Upright and spreader bars must be connected with welding or welded plates bolted with (4) ¾” bolts.
3. “H” bar is highly recommended.

4. Rollover bar and spreader will be 2" tube with 1/8" inner wall minimum.
5. Dash bar is from "A" pillar to "A" pillar in place of dash with

minimum of 2" tube and 1/8" inner wall placed over the steering column and bolted.

Repairing Pre-Run Cars

1. Pre-run cars must have a build very closely to these rules.
2. Frame repair will be allowed with 4"x6"x 1/8" flat metal. A hole must be drilled through to verify thickness.
3. 2 plate repairs inside and outside of frame per corner only.
4. Damage must be noticeable where repaired or will be determined to be reinforced and must be removed.

Inspection

1. Officials have final say.
2. Have hood open during inspection.
3. Do not "overbuild" your car and expect to compete.
4. The rules have no grey areas.
5. The only weld allowed is what is mentioned in the rules. No other welding will be allowed.
6. Officials have the right to re-inspect a car after the main heat is complete.

Mini Cars

1. All big car rules apply.
2. OEM rims and tires of that 4 cylinder car.
3. OEM 4 cylinder factory cars only.
4. No Distributor Protectors.

Team Derby

1. You can use After-Market tires, but must be changed out for stock tires if you run in the main event.
2. Same Build Rules as Main.
3. No teams teaming up together on teams. 2 cars only – one team against other teams.
4. Your team cars must have matching paint themes and be the same color! People need to know you're a team.