



2019 Demolition Derby Rules

AUTOMOTIVE BUMPERS ONLY, ACCEPT TRUCKS

General Rules

- **No alcohol allowed in the pits. Due to the event being held on County property and associated with the County Fair and Rodeo, this is strictly enforced by the local police**
- Registration and release forms must be completed prior to inspection. Entry must be paid prior to inspection
- If car fails inspection you may be allowed to make corrections. If you can't complete corrections or decline to make corrections, your car will be disqualified
- Entry fees are non-refundable
- If you want a particular number you need to request the number in your pre-registration packet
- Car number are on a first come first serve basis
- Drivers must be at least 16 years old, ID required and parent consent if under 18
- Only one support vehicle per registered car. Entry fees will include one driver pass and two pit passes and will be given at the gate day of race
- Drivers meeting is mandatory
- ALL vehicles must be removed from Fair Grounds immediately following the derby
- A driver's safety belt and safety helmet must be worn. If either falls off during the event, you will be disqualified. Eye protection is mandatory
- Long sleeve shirts and long pant must be worn
- Fire suits and goggles permitted
- No passengers allowed
- All cars and truck that come equipped with airbags, must have airbags removed
- If you go out of the boundaries set for the arena during your class, you will be black flagged
- If you purposely hit on the driver's side door, you will be black flagged and disqualified
- Drivers must make a hit every 90 seconds and hit must be aggressive. Patty-cake hits or sandbagging are grounds for disqualification. Judges will be watching closely
- If you become stalled you have 90 seconds to get restarted and one minute to make a hit
- If last 2 cars in the main event become stuck together for a 2 minute period. If by a double hit heat will be stopped and they will be pulled apart and heat will then continue. If a single hit, the last one to make a hit will be declared the winner

General Building rules for all classes

- A center bar on inside of the car extending from drivers side center post to passenger side center post positioned behind the driver's seat must be welded in. Bar or post not to exceed 6" in diameter. A bar of 6" maximum diameter may be placed between the "A" pillars in front of driver and may be tied to the frame, and may also be connected to the center bar for the purpose of driver protection. Plate welded to ends of driver protection bars not to exceed 16" x 16". Inside and outside of driver's door must be reinforced. Also may be padded. Dash and air conditioning may be removed. Cars must have a firewall and floorboard between the driver and drive train including engine, transmission and drivelines
- **Rollover protection is MANDATORY for all classes**
- Drivers and passenger doors will have numbers of 16" x 16" tall and 2" wide. Colors must be dark on light or light on dark. If you want a particular number you need to request the number in your pre-registration packet. Numbers are on a first come, first serve bases. Theme cars may substitute numbers for their cars with prior approval. Name must be on top of driver door or roof above driver's door
- Damage repair of sheet metal may not exceed 18 gauge in thickness. Patches not to exceed hole by more than 1". No rebar, angle iron, plate, concrete, etc. shall be used to add strength to the car
- Main event cars are subject to re-inspection at the conclusion of the event.
- Any stock American or foreign auto or station wagon are allowed. No jeeps, convertibles or ambulances are allowed. 4wd vehicles must have 1 driveline disconnected
- Remove all glass, fiberglass, lights, light brackets, all body trim, door handles, locks and clips. Remove headliner, rear seat, door panels, carpeting and all unnecessary electrical wires. If it will break, fall off, or burn; remove it. Fuel door must be removed or welded shut. All glass including broken glass must be removed. The derby is in the rodeo arena so this will be **STRICTLY** enforced
- Factory fuel tanks must be removed, a maximum of 6 gallon fuel cell shall be installed inside the passenger compartment forward of the rear axle. Box or tank must be welded or bolted to floor. Must be vented and NOT LEAK. Plastic tanks must be encased in a metal box. Minimum of 1/8" steel with lid. **MUST BE FASTENED SECURELY!!!** Electric fuel pumps are allowed
- A battery box shall be secured to the passenger front floor and covered. Must not be constructed to reinforce passenger door. Maximum of 2 batteries
- Radiator must be installed in factory location. No auxiliary cooling systems allowed. Oil coolers are allowed. Must be stock type radiator. No heat exchangers or other modified devices
- Cars may use other model engine and drive trains. Engines must remain in stock location for all classes
- Hoods must remain in stock location and must have at least a 24" x 24" hole cut above the carburetor in case of an engine fire
- Automobile bumpers only and only two per car. What is considered a bumper will be determined by the judges. 5 mile per hour bumpers may be used as replacement bumpers. Brackets or two pieces of 2" hollow pipe may be used to attach bumper to the frame. Pipe not to exceed 15" long. Bumper is not to exceed width of car. Remove all trailer hitches. Bumper may be cut in half to fit car width. It will then have to be butt welded. No lap welding. No extra steel allowed underneath bumper. Bumpers may be fully welded together upon themselves for all classes. No loaded bumpers
- **All cars and truck must run liquid fuel, gasoline or diesel. No propane or NOS etc**
- All cars and trucks must have protective strap from fire wall to top of roof to deflect hood on the driver side half of the windshield

Limited Weld Car rules

Frames

No welding of body to frame. Homemade motor and transmission mounts will be allowed. Re-welding factory frame welds is allowed

Transmissions

Transmission coolers will be allowed

Suspension

Spring clips not to exceed 4 springs, 2 in front and 2 in rear of axle. Differentials must be positioned over springs. Coil to leaf conversions allowed but must be clean with minimum reinforcement

Door/Trunk Lids/Hoods

All doors, hoods and trunks must be welded, bolted or chained shut. Pick any 2 methods. If welding, welds must be 6" long, with a 6" gap between welds. You may use 6" sections of filler rod or strap to fill the crack you are welding. Bolts for the hood and trunk shall be a maximum of 1 ¼" diameter with 4" washers in 6 locations. Maximum 6 washers per bolt. None are to be placed directly in front of the radiator. Max chain size for chaining will be 3/8". Panels may be bolted together with 3/8" or smaller bolts (no limit on amount). Wagons must weld, bolt or chain their compartments that open, and must have an inspection hole so they may be checked. Window openings may not be fully welded shut. 2" x 3/8" straps from hood/trunk to bumper are allowed but will be considered 1 method of attachment and must not extend 6" past bumper edge and 6" past hood/trunk edge closest to bumper

Welds

All welds on door hoods, trunks, etc will be 6" long with a 6" gap between. Welding in the interior of the car shall consist of the following only: motor mounts, transmission mounts, fire wall, battery box, gas tank box and driver protection bars. The interior of the car shall be defined as the passenger, engine and the trunk compartments. (Except wagons opening compartments) body cannot be welded to frame in LIMITED WELD CLASS. **All welds must be 6" with a 6" gap between each weld. This includes, but is not limited to, doors, trunks and hoods. Driver door and driver's protection bars may be fully welded**

Tires

Tires must be all rubber. No studded tires allowed. No greasing of side walls. No tire chains

Truck Rules

- We will be using the car rules unless specified in this addendum
- 1/2 , ¾, 1 ton full size trucks, suburban, carryalls, blazers, scouts and Broncos will be accepted. Some model jeeps with approval
- Either 2 or 4wd models. 4wd's must remove on driveshaft
- **NO DUAL REAR WHEELS.** Trucks must have a protective cage inside driver's compartment. This consists of a dash bar, a bar behind the seat and a bar on either side connecting the two. Rollover bar required but supports not to exceed 36" from front of bed

- Original bed mounting bolts may be removed (and rubber bushings) and may be replaced with up to 1" bolts with 4" washers. Bed can be bolted directly to the frame. Bed may be welded to cab and to tailgate with minimum added to metal
- Wheel well opening may be cut or rolled for clearance
- Same rules apply for gas tanks but if you need to, you can mount gas tanks in front center of bed. Must have a splash guard.
- Up to 17" 8 lug rims will be allowed
- All engines must have the front spark plug even with or in front of upper ball joint
- Bumpers must be a stock type automotive bumper. Shock bumpers may be installed on trucks that came with bracket mounted bumpers. Stock type brackets must be used with no added metal. Maximum bumper height from the bottom of the bumper will be 25". Truck must have front and rear bumpers
- If you choose to manufacture a homemade bumper it must conform to the following size limits. It can be no larger than 8"x8". The point must taper over an area of at least 32" Overall the bumper cannot exceed 12" wide at the tip of the point. {measured front to rear} The point may only extend out 4" from the flat part of the bumper. Bumper not to exceed center of tires in length. Bumpers must be hollow and able to see through.

See diagram below for TRUCK ONLY HOMEMADE BUMPERS!!!!

MINI/COMPACT CAR RULES

- FWD and RWD cars, American or Foreign
- 4 or 6 cylinder engines only
- 109" wheelbase or smaller
- No welding of hood or trunk. Chains and bolts only
- Driver's door must be reinforced, no more than 12" in front or behind door seams
- Passenger door must be chained or welded shut
- No homemade bumpers
- Front/Rear bumpers may be welded on, straps are allowed to help with welding
- Wheel wells may be trimmed for clearance
- Tires size can be same as cars
- Driver's cage is recommended, but optional
- Square tubing cannot be larger than 4" x 4"
- Pre-ran cars can be plated, call with questions
- You may wedge, crease or tuck trunk

Questions or concerns in regards to these rules please contact Roger Coombs (970) 379-4460 or rcrash4cash@aol.com