

Douglas Volunteer Fire Department

2024 Demo Derby

Saturday August 17th, 2024

Entry Fee: \$80.00

GENERAL QUALIFICATIONS and SAFETY RULES

*Highlighted areas are the only changes for 2024

- 1. These rules will be strictly enforced. NO CHEATING WILL BE TOLERATED! Any driver not obeying the rules will be disqualified. Disqualification will result in forfeiture of all entry fees. Any crewmember who is disqualified will have the car he/she is attached to disqualified.**
2. ALL REMITTANCE WILL BE CASH, CASHIER'S CHECK OR MONEY ORDER. NO PERSONAL CHECKS WILL BE ALLOWED
3. **The Douglas Volunteer Fire Department reserves the right to approve or reject any and all entries. The judge's decision is final. The head judge will decide any discrepancies.**
4. Participants must be 16 years of age or older, anyone under 18 years of age must have a signed minor release.
5. Only drivers, owners, mechanics, that sign the release sheet will be permitted in the arena area. 1 Driver, and 2 arena passes will be allowed per car registration. You may purchase 2 additional spectator passes/\$15.00 and/or 1 additional arena pass/\$25.00. **ALL driver, arena, and spectator passes MUST be picked up by 5:30.** All entry fees are non-refundable
6. Any one participant may enter into the consolation heat if the car has run in one of the preliminary heats, and can be repaired for the consolation heat, is eligible to enter again at the discretion of the judges. Car maybe re-inspected for compliance.
7. The use of intoxicating beverages or controlled substances prior to or during the show disqualifies the user from the day's events and they are subject to the suspension at future demos sponsored by the Douglas Volunteer Fire Department. **This will be enforced. Subjected to a breathalyzer.**
8. The Douglas Volunteer Fire Department and Wyoming State Fair, State of Wyoming, will not be responsible for any accident, injury or property loss incurred during Demolition Derby activities.
9. No walkie-talkies or radio systems are permitted in the cars.
10. A driver must hit another car every 90 seconds to prevent disqualification. Being hit by another car does not qualify as your hit. A hit must have complete separation and produce a noticeable impact.
11. **There will be NO deliberate hitting of the driver's door. This will result in immediate disqualification and forfeiture of any entry fees. ALL JUDGE'S DECISIONS ARE FINAL!**

12. All cars must be registered **BEFORE** being inspected. Inspection will be between **11:00am** – 4:00pm the day of the derby. Any car not registered by 3:00pm will be charged an additional **\$50** late fee. **Please have your car ready and in compliance when you arrive.** Any cars not inspected by 5:00pm, **will not be eligible to run.** After final inspection, all cars will be impounded. A mandatory driver's only meeting will be at 5:00.
13. Due to lack of adequate space in the pits, any non-derby cars or non-support vehicles will not be allowed in the pit. One support vehicle with trailer per derby car is permitted. **NO HOT RODDING IN THE PITS.** Keep it at an idle. Any violation of this, car will be disqualified.
14. In the event of a vehicle fire, flip over or injury, or any debris deemed unsafe, **only Fire Department personnel are allowed on the track**, and the heat will be stopped until safety is restored. Cars may get 1 additional chance to run as long as the car passes a safety check and the driver is OK. All other drivers will remain in their car at all times or will be disqualified.
15. Stay in the car! Do not leave your car or loosen safety belt; except in case of fire; until the last car has stopped and been given the checkered flag. A Red flag means ALL cars are to stop where you are until the green flag is given again. In the event of a red flag, all remaining drivers are given a fresh 90 second hit time when the heat is restarted. A Black flag, when waved at you means you have been disqualified. Stop, shut off your engine, break your stick and remain in the car until the heat is over. **DO NOT** remove your helmet! No smoking will be allowed.
16. All cars will be inspected before the program begins. Winning cars will be impounded after the heat to prevent repairs or alterations. The number of cars taken from each heat will be determined at the time of the derby. All cars eligible for the main will be given 25 minutes before to make repairs. In the main, last car to initiate a hit is the winner. Top 3 cars may be re-inspected at conclusion of the main. Everyone else will stay back until cars are verified to be legal.
17. All cars must be removed by midnight day of derby or they will be towed at owner's expense and will be disqualified for the following years event.
18. **Profanity, displays of temper, unruliness, belligerence or any kind of conduct not deemed the norms of society in general will not be tolerated. Any person exhibiting such conduct to any official of the Douglas Volunteer Fire Department or another contestant will be subject to expulsion from the Demo Derby. All entry fees and deposits will be forfeited. ALL JUDGE'S DECISIONS ARE FINAL!**

Chain-Up

***Highlighted areas are the only changes for 2024**

1. All drivers must wear a DOT Certified safety helmet. If you do not have a helmet, you may borrow one from another driver who is not in your heat. All drivers must have safety belts that are operational and worn.
2. 1970 and newer, American and Foreign cars, Front wheel drive or rear wheel drive, mini vans, car or station wagon. **No 4-wheel drives, All-wheel drives, Convertibles, Ambulances, Imperials/imperial sub frame swaps, Hearses, El Caminos, Rancheros or Trucks.**
3. Any and all air bags, sensors and propellant charges must be removed or discharged.
4. All glass, including head and taillights must be removed **prior** to your arrival.

5. The rear seat, drivers door armrest, door handles, door locks, seat belts not being used, mounting screws, clips, license plates and all side and decorative chrome, trim and rubber stops must be removed. Antennas and dash clusters also must be removed.
6. All dirt, loose debris, screws, broken glass and anything deemed unsafe, must be swept, vacuumed or removed out of the car.
7. A maximum of 6 gallons of gas will be allowed. Gas tank must be moved into the backseat area and properly secured. **No** plumbers strap allowed. Covered with a non-flammable material is recommended. Original gas tank must be removed or the entire bottom of the tank cut out. **Floating & re-enforced gas tank cages are allowed, but should only be designed to protect the gas tank.**
8. Vehicles may utilize electric fuel pumps. A fuel cut off switch **MUST** be clearly marked with RED PAINT for easy identification near driver in the event of a fire. This is for driver and fire personnel protection.
9. Only one battery is permitted and **MUST** be mounted inside the vehicle. Battery must be properly secured, and covered with a non-conductive material. No plumbers strap allowed. (ex. Rubber, wood, etc.)
10. Drivers door may be welded shut, all other doors can be chained with up to 3/8" chain or 9 gauge wire. Driver's door **MUST** be reinforced for driver protection which will consist of plate, angle iron or pipe, but not to exceed 12" past each drivers door seam. No welding of any other doors but drivers door. Doors can be chained or wired up to six (6) spots per side of vehicle. The bottom of the door seams may be chained (max 3/8" chain) through the door and around the frame. A max of 2 wraps at each location using chain or a max of 4 wraps at each location using 9 gauge wire.

11. HOOD AND TRUNKS

- A. Must be open during inspection. There must be a 16"x16" hole in center of hood and trunk. 9 gauge wire or up to 3/8" chain only to fasten hood & trunk in six (6) places

12. CAGE

- A. The driver door **MUST** be reinforced for safety by a 4-Point Cage or Door Brace. Safety reinforcements must be contained within the passenger compartment **ONLY** (except the Halo bar and Outside Door Brace). Safety reinforcements may be welded to the **FLOORBOARD ONLY**. Drivers may also use plates where pipe or tubing meets the floorboard (maximum of 8" X 8" in size and up to 1/4" thick). All safety reinforcements must be constructed **WITH A MAXIMUM OF 6" diameter and a minimum of 2" round or square tubing**.
 - 1) 4-Point Cage - The 4-Point Cage may be constructed with a maximum of (4) vertical posts. (1) bar across the dash area, (2) bars across both the driver and passenger doors, and (2) bars across the rear seat area no more than 12" behind the driver seat (1 of the rear bars must be no more than 12" above the floorboard).
 - 2) Door Braces - The Door Brace may be constructed with (1) door bar slanted upward across the driver and passenger door and (1) rear seat bar slanted downward to the opposite rear floorboard no more than 12" above the floorboard).
 - 3) Outside Door Brace - An Outside Door Brace may be used instead. It can **NOT** extend more than 12" past the front and rear door seams. The use of "Grader Blade" material as an Outside Door Brace is allowed, but it is **NOT RECOMMENDED**.
 - 4) Halo Bar - Halo bar or roll-over protection is **MANDATORY**. It may be routed inside or over the roof of the vehicle. If using a Halo bar with a 4-Point Cage, it will be extended upward from the two rear, vertical posts. If used with the Door Brace, the Halo vertical bars can be independent and must be welded to the top of the frame.

13. Suspension

- A. No suspension modifications - period.

14. Frames

- A. Pre-run vehicles are authorized 12" of reinforcing plate on each frame rail in the location of your choice.
 - 1) Reinforcing plates can **NOT** exceed 1/4" thick. Must have a means to verify thickness of patch material.
 - 2) Reinforcing plates can **NOT** exceed the height or width of the frame.
 - 3) Reinforcing plates can **NOT** exceed 6" in length in a given location.
 - 4) Reinforcing plates can **NOT** be located within 3" of another plate.
 - 5) Reinforcing plates can **NOT** be connected to the bumper.
 - 6) All reinforcing plates **MUST** be painted RED.
- B. No pre-bending

15. Bumpers

- A. Must be factory bumper.
 - 1) Can be welded with no added metal.
- B. You may remove ALL factory brackets and shock tubes, and in its place use a 8" X 4" X 1/4" flat plate with a bend in the middle after 4" into an "L", the 4 inches may be welded to the first 4" of the outside of the frame leaving the other 4" bend to mount the bumper to. The 4" bend cannot be in front of the frame rail.
- C. 9 gauge wire or 3/8" chain **must** go around front and rear bumpers and secured to the frame or body in two (2) places with a max of 2 wraps at each location. This is done to help prevent bumpers from falling off and stopping the show.
- D. INSTEAD of chains or 9 gauge wire, Drivers may use (2) metal straps from the front bumper to the core support ONLY.
 - 1) Straps can **NOT** exceed 3" wide and 1/4" thick material.
 - 2) Straps can only be welded up to 6" onto the bumper and 6" onto the core support.
- E. 4x4 tubing may be used but can not exceed 3/16" thick. Tube cannot extend past the track width of the vehicle and must be open at both ends.

16. RADIATORS

- A. If used must be in the original location.
- B. All coolant must be inside the engine compartment.
- C. No spray foam ballasts.

17. TRANSMISSIONS

- A. Coolers are acceptable but must be mounted in the rear seat area.
- B. Must remain in original style mounts. Reinforcing by additional brackets is not allowed.

18. ENGINES

- A. Engine swaps from other vehicle brands are allowed.
- B. Engines **MUST** be located within 4" of the stock engine location.
- C. Firewalls and floorboards may be trimmed or bent for engine and/or distributor clearance but every attempt must be made to close off the interior of the vehicle from the engine compartment for driver safety. Openings larger than 6" must be covered with SHEET METAL.
- D. All engines **MUST** have an air cleaner. No open carburetors.
- E. TWO additional chains may be used to tie the engine down to the frame. **NO MORE THAN 4"** of chain may be welded to the frame for each mount.
- F. Stock or aftermarket motor mounts may be used.
- G. **NO ENGINE CRADLES OF ANY KIND WILL BE ALLOWED.**

19. **REAR ENDS**

- A. Any **factory** 5 lug rear ends of passenger car origin may be used.
- B. You may interchange make and models.
- C. Rear end gears/axles may be changed, welded, or posi'd.
- D. No braced, hybrids or truck rear ends allowed.

20. **Windshield/Rear Window Openings**

- A. For safety, all windshield openings **MUST** have (2) bars welded vertically in front of the driver.
- B. For safety, rear window openings **MAY** have up to (2) bars. If equipped, the front bar connection shall be welded to the halo bar, and rear connection shall be welded to sheet metal not to exceed past the rear axle. Bars cannot exceed 6" in diameter.

21. No body creasing, folding or bending.

22. No ballasts, stuffing or spray foam of any kind will be allowed in any part of the vehicle including: tires, inside of doors, fenders, hoods, around radiators, bumpers, frame or other areas. This will be checked.

23. A large number must be painted on front car doors and top and must be legible enough to be seen from a distance.

24. These are the rules - there are NO gray areas.

25. **If it's not in the rules, it does not mean you can do it. Call for clarification.**

Contact Clint at 307-351-1039 or Trevor at 307-359-2619.