

2024
Benton Franklin
SMALL CAR
Demolition Derby Rules

Subject to change by officials for safety and/or other reasons necessary



Vehicles allowed

- 4 or 6 Cylinder factory cars ONLY - NO V8s allowed
 - Front or rear wheel drive are ok
- MAX of 108.5 wheel base

Must Do's for Driver Safety, Car Safety, and Build Rules:

Exterior and Interior Stripping/Prepping for Safety

1. All vehicles must tech to these 2024 Rules.
2. **ANY car deemed unsafe by officials will not be allowed to run.**
3. There will be no alcoholic beverages allowed into the pit area. There will be no tolerance of open containers due to state regulations requiring security to be highly enforced. No Exceptions.
4. Glass of any kind must be removed from its original placement
5. ALL broken glass must be removed
6. MUST remove airbags
7. ALL exterior moldings, headlights, taillights, mirrors, trim pieces, and bumper covers must be removed
8. ALL interior flammable material including, but not limited to the headliner, seats that are not used for the driver, carpet, plastic materials, and door panels must be removed
9. Factory Seat belt is ok to run
10. 5-point harness is **recommended** but not required
11. Driver's seat must be securely fastened to the floor of the car with bolts

Cooling System

1. Water ONLY- No antifreeze or other coolants allowed
2. Radiator must remain in the factory location
3. If the radiator is removed, you can loop the radiator hoses together
4. No extra coolant expansion tanks

Fuel System

1. Stock fuel tank must be removed and a new one relocated inside **IF** it is behind the rear axle.
2. Max 5 gal
3. Metal only, no plastic
4. Metal Boat tanks are OK
5. Securely fasten tank to the rear floorboards or rear spreader
6. Tank must be mounted as close to the center of the car as possible
7. Must maintain a minimum of 6" of clearance between any fuel tank mounting brace and any surrounding metal
8. NO using the tank as a kicker
9. Hoses on the fuel tank in the car we recommend hydraulic lines, but rubber hoses are sufficient
10. NO metal fuel lines in car rubber fuel hose ran inside the car is required to be ran inside a

larger diameter hose for safety

11. ALL fuel lines must be double clamped.
12. Electric fuel pumps are allowed
13. Must have a clearly marked on/off switch Painted or a decal of the letter E must be clearly present on the roof sign or top of the car

Battery

1. Must be relocated from the factory location to the inside of the car
2. Battery must be in a fully enclosed metal box that is securely fastened to the floor with a minimum of (4) $\frac{3}{8}$ bolts or bigger with a $\frac{3}{16}$ or bigger plate below so it does not pull through the floor.
3. NO bungee cords or plumbers tape can be used for fastening

Tires & Brakes

1. Most tires are allowed including Forklift, Skid Steer, DOT, etc.
2. NO solid or foam-filled tires
3. Must be mounted on stock-style wheel
4. Tubes can be used
5. Valve stem protectors can be used
6. Brakes must be in working condition at all times

Engine & Welding

1. MUST be stock engine for car
2. NO welding on anything besides roll cage

Suspension

1. The only modification to front suspension can be welding the coil spring spacer Welds must be visible and must not go into or be inside the coil pocket
2. NO welds to Frame or A-Arms are permitted
3. The Rear suspension must be stock for the vehicle you are using
4. NO reinforced trailing arms, spring spacers, or double springs

Hood & Trunk

1. **Must have at least 12" X 12" fire hole in hood**
2. Hood and Trunk may be chained OR wired shut
3. $\frac{3}{8}$ chain OR 2 wraps of #9-gauge wire maximum
4. Maximum of 4 locations, *each*, for Hood and Trunk
5. 2 hood chains or wires may be looped around the front bumper
6. 2 trunk lid chains or wires may be looped around the rear bumper
7. NO bolting of hood skins

Door Bars, Roll Bars and Cage

Option 1

- Exterior Driver AND Passenger Door Bars are required
- Must be a minimum of 8" wide by 3/8" thick channel iron
- Exterior Door Bar must be secured to the exterior of the car door with 3/4" bolts along with 4" x 4" backing plates
- Door Bars must extend 3 inches past door seams no more than 6 inches
- H Bar, Spreader and Dash Bars are mandatory
 - Spreader must connect to H bar 2" by 2" by 1/4" or bigger
- Dash Bar and Rear Spreader must extend from Driver to Passenger side and be bolted or welded securely at the base
- Any roll bar cannot exceed front or rear firewall
- Any roll bar cannot be attached to frame in any way
- NO Kickers
- Windshield bar
- Must connect from roof to cowling
- No bigger than 2" wide x 1/4" flat strap
- Max of 2 no greater than 2ft apart

Option 2

- Internal Cage which includes Dash Bar, Rear Spreader, internal door bars (Driver and Passenger) and up and over roll bar
- 3" x 3" x 1/4" or bigger Internal weld in or bolt in cage
- NO kickers- front or rear
- NO down bars welded into frame in any way
- NO bars can exceed front/rear firewall or floor board
- Windshield bar
- Must connect from roof to cowling
- No bigger than 2" wide x 1/4" flat strap
- Max of 2 no greater than 2ft apart

Bumpers

1. NO pre-fab or other mass-produced aftermarket bumpers including any V style bumpers.
2. Bumpers must be factory to the car you are using unless proceed to 3.
3. IF the factory bumper is fiberglass or aluminum and you would like to switch you can use the following 4" by 4" by 3/16" thick square tube bumper, tube CANNOT be altered in any way shape or form. No filled, doubled, V'd or any other alteration even if out of your control.
4. Mounting tube to car- you are allowed to weld to the existing bumper mounting point a maximum of two 6 inch welds top and two 6 inch welds on bottom of bumper- a maximum of 4 welds per bumper- no filler at all.
5. Bumper cannot exceed the width of fenders Must be straight cut with no 45 degree or jagged cuts
6. NO capping of ends. Subject to techs approval.
7. Bumper ends may be cut for tire clearance

REPAIR RULES

1. You may use (2) 5" x 5" x 3/16" plates. These plates must be on the outside of the frame if using them on the frame. These plates may be cut and shaped to your liking, but you must leave them in one piece. Anything you cut off a plate can't be used elsewhere. You're allowed to use the plates anywhere you want other than inside the frame. If plates are thicker or bigger than what is allowed, you will be disqualified. PLATES ARE FOR PRE-RAN CARS ONLY.
2. A "Pre-Ran Car" is defined as a car that has been run in a demolition derby heat or finale, any type of race does not count.
3. If your frame is ripped, you must provide proof of rip before welding back together. You cannot add material and can only have a 1/2" wide bead of weld.
4. If the sheet metal on the body is ripped, you may patch it with sheet metal only. This may overlap existing sheet metal by a maximum of 2" and can only be welded on with a 1/2" bead of weld.
5. NO cold bending to tilt at the firewall on pre-rans.
6. May Pull down bellied out cars, but no further than factory location/height.
7. No altering of the crush box, including no fix it plates inside of the crush box.

ALL repairs are subject to official approval. Unapproved repairs will be removed or you will not be allowed on the track. If you aren't sure, call and/or send pics to the official for final approval.

Other Rules, Guidelines, Tech Rules, Safety Requirements, and more!

Tech and Officials Rules

- ALL cars and drivers must successfully make it through the tech line to compete in the show.
- If tech requires you to fix, alter, add, or remove anything from the vehicle you must complete and return to the tech line to be tech'd again once items have been completed.
- Multiple attempts to come through tech without completing required items could result in disqualification.
- Hood and trunk areas must be clearly visible for tech.
 - Tech may require you to open if deemed necessary.
- Interpretation of or deviation from these rules, keeping in mind minimum safety requirements, is left to the discretion of this show's officials and techs with their word being final.
- **These rules, guidelines, recommendations, and regulations are intended as a guide for the conduct of the sport; They neither imply nor guarantee safety against injury or possible death to a participant, official, spectator, or others.**

On Track Driver Rules

- Drivers **MUST** be 16 or older to drive in the event. Under 18 must have Parent/Guardian signature, both must have a valid ID.
- **MUST** have a current, valid state driver's license.
- Drivers **MUST** wear helmets and seatbelts at all times.
- Drivers are not to remove seat belts or helmets or exit the vehicle during the show, unless a fire or other major hazard is presented and you can exit the vehicle safely or are directed by any official to exit your vehicle.
- Drivers must pay attention to officials, flaggers, and announcers in case of emergency.
- Failure to obey the official's direction is grounds for disqualification.
- Driver's door hits are illegal; if officials deem it intentional, you will be disqualified.
- Using your driver's door intentionally or unintentionally repeatedly, as a defense strategy may result in disqualification.
- Continuation after fires, rollovers, and other emergencies are subject to an official's call on track at the time of said emergency.
- You will be placed on the clock for elimination from the competition unless you are competitively hitting other cars under your own power every 60 seconds.
- If sandbagging is suspected by officials you will also be placed on the clock for elimination from the competition.

DO NOT FILL GRAY AREA WITH WELD... NO, IF AND'S OR BUTS

Please direct any building-related questions to Official, Blaine Gonzales 509-520-9333

Officials for this show have the final say and will not tolerate any protests!