

2021 Demolition Derby Rules

General Rules

1. All Rules will be followed, or you will not get a stick
2. Only drivers that fill out the registration can drive in the event
3. All drivers must wear a helmet, seatbelt and sleeved shirt (fire jacket recommended)
4. All drivers must attend the drivers meeting, crew needs to also
5. No hot rodding in the pit area or around any personnel
6. Everyone will follow the 1 min rules to make an aggressive hit. Don't make me stop the derby and embarrass you for driving around. You have 2 min to re-fire a dead car.
7. Drivers are prohibited to drink Alcohol during the event or there is an immediate disqualification
8. All money winning cars will be re-inspected before anyone is allow in the arena. Re-inspection by tech officials only
9. No protest after the drivers meeting, from that point on it is 100% up to the judges and the judge's ruling is final
10. You are allowed 1 fire; second fire will be DQ'ed
11. If you roll over and the tech officials deemed it safe and no leaks, you can get back in the car.
12. If you run an electric fuel pump it must be wired to its own switch and clearly marked
13. One and done features unless 20 or more cars in class, then heats will be drawn
14. Cars must have a driver's door bar and dash bar as minimum safety
15. Drivers must be at least 14 with parents sign off until 18 years old. No passengers
16. Dont not read into the gray areas. If you don't understand a rule call.

Stock Full Size

Any American make car can run except, 4x4s, ambulance, hearses, trucks, limousines, etc.

Only welding allowed is doors, bumper, engine mount, cage, and rear-end gears.

Car Prep

1. Remove all glass, mirrors, and plastic. Remove decking in wagons. Sweep inside clean of all debris
2. No Sedangons, zero crease enhancement, zero sheet metal or frame shaping, forming or folding

3.Truck, Hood, and speaker deck must remain 100% in stock location. You may tuck trunk at one 90-degree bend

4.Anything can be removed but nothing can be added

5.Doors and trunk can be welded 5 inches on 5 off. Exterior door seems only, none on the interior door seems. Welding material can be no larger than 3-inch strap 1/8 in. thick. Truck must have 6-inch inspection hole. Hood can have 6 spots to hold the hood down. Core support counts as 2, other 4 can be 3/4 in. all thread, sheet metal to sheet metal with no bigger than 5x5 washers. If you use angle iron, it can only be 5 in. long.

6.Body Mounts and spacers must remain stock and in place. If they are broken or rusted out, a single piece of #9 wire can substitute. No body bolt changing allowed, DO NOT EVEN TOUCH THEM. Exception: You may replace the front radiator support mounts with two 3/4 treaded rod with eight 1 in. washers and 4 nuts. Bottom nut and washer must be inside the frame and may extend through the hood. Zero welding is allowed to mount this rod. You may replace the core support spacer with tubing no larger than 3"x3" and must remain unwelded and floating. The core support spacer cannot be taller than 4 inches. You can also replace the body bolt at the bottom of the humps in the trunk. No larger than 3/4 inch and with a 1-inch body spacer. The all thread must pass through the trunk lid. You're allowed 4 nuts and 4 washers no larger than 1 inch. The bottom nut and washer must be inside the frame. Top washer on the trunk cannot be larger than 5"x5"

7. All Cars must have at least 1 window bar that can be welded 6 inches to the firewall and 6 inches to the roof. 9 Wire or chain can also be used but only 1 of the 3 options

8.You can run small weld in center only, no bead protectors or full weld in centers. Any tire can be ran with no larger than 16" rims

9.Wheel wells and fenders can be bolted with four 3/8 bolt max. Hood can only have 10 bolts max.

10.Radiator mounts cannot be wider than the radiator, no excessive material, only bolted, no welding. Cannot strengthen car anywhere.

Frames

1.NO WELDING ON THE FRAMES ALLOWED. NO COLD BENDING OR TILTING.

2.No suspension modifications allowed. Must remain strictly stock, no aftermarket parts allowed. No Watts link or K member conversions. Leaf spring cars must run the factory set up (clamps and amount of springs) for the car running

3.A-arms can be bolted down with one 1/2 inch bolt, 2 nuts and 2 washers max no larger than 1 inch per side. Screw in spring spacers are allowed

4.You may run 9 wire with no more than 4 loops or chain no larger than 3/8 to hold the coil springs to rear-end. Chain/wire can go around the frame or spring pocket in 1 spot per side, chain cannot be welded or bolted to the frame. It cannot be tied to the body.

Drive Train

1. Any drivetrain combination with the following criteria
2. Only the lower stock engine mounts may be welded to the cradle only. You may use 2 1/2" thick spacers to raise the engine to clear steering components, may not exceed rubber mount area. It may extend off the back of the cradle but nothing excessive, 1/2" flat plate only (exp. SBC in caddy, Mopar)
3. No Tranny protectors, stock mounting only, stock cross member only. You may weld angle iron to the frame to place the cross member on. This angle iron cannot be any longer than 4 inches, no bigger than 3"x3" and no thicker than 1/4" and can only be welded to the inside of the frame.
4. Rear-end Swaps allowed, no bigger than 5 lugs allowed. No bracing, No welding, No re-enforcement, max axle size 31 spline. All must be OEM axles (cast flanges) and rear-ends, must be a direct bolt in, no fabricating or welding allowed of axles or rear-end (inside or out). You may weld factory brackets on rear-end housing with no gussets or reinforcements
5. Floor shifter, headers, gas pedals allowed. None may strengthen the car
6. Lower engine cradle only. No pulley protectors, skid plates, protectors of any kind, no aftermarket part of this nature at all.
7. Slider drive shafts are allowed.

Drivers Compartment

1. 4-point square cage only with one 3x3 down tube per side may be welded to the frame, must be in the center of the front doors straight up and down. Max 66-inch side bars. 8-inch max cage material. Halo bar allowed, may go straight down to the frame no larger than 3x3 material, cannot be any farther back than the middle of the back door. Gas tank protector will be allowed, no wider than 24 inches. Must be located in the center of the back-seat area. Must be 3 inches off the floor and must be 1 inch from the back-sheet metal. All sheet metal must remain in factory location. All cage material must be 6 inches off the floor.
2. Gas tank and battery must be moved and secured. Tank behind the seat, battery centered in the passenger front floor
3. Nothing may be mounted in a way that strengthens the car.
4. Trans cooler are allowed, must be mounted inside cage area.

Bumpers

1. Any factory OEM car bumper is allowed. You may load these bumpers in between the 2 skins. You cannot manipulate the point or dimensions of the bumper whatsoever. All load material must remain in between the front and back skin of the bumper. You may beat down and weld skin to bumper.
2. Shocks may be collapsed and welded in front of the core support only. All shocks and brackets in stock location only. You can shorten the frame to 1 inch in front of the stock core support mounting location and hard nose without a shock or bracket.

3.Rear bumper must be 16 inches off the ground. If the car is bent, it will be measured from the lowest point of the car behind the rear wheels.

Repair to used cars

- 1.Bent frames may be repaired with 3/16th metal.
- 2.Patches can only be 4"x6" and only welded to 1 side of the frame.
- 3.Patch may be welded solid with a ½" hole in the patch.
- 4.You can only repair the frame once per place, no re-patching or layering patches.
- 5.You are allowed a total of 8 patches total on a car 4 on each frame rail max
- 6.If you can't tell the frame was bent, patch will be cut off.
- 7.Must be 1-inch gap between patches
- 8.All repair welds MUST be painted red
- 9.Call first for any rust repair.

Stock Compact

Front wheel Drive only with a 106-inch wheelbase or less

No welding on the car at all (this includes the axles and suspension)

This is stock class for beginners and guys that want to throw a car together in a couple of days

All General rules will be followed in all classes

- 1.All Trash and loose items must be cleaned out from inside the car
- 2.All glass must be removed and cleaned out including headlights and tail lights
- 3.Battery must be moved to the passenger floorboard area
- 4.Gas tank must be removed and moved to the back-seat area and secured. If the stock tank is located under the car and in front of the rear axle it may stay in factory location. No more than 5 gallons and must be a safe tank with no leaks.
- 5.Remove plastic bumper covers
- 6.you will be allowed to tie the doors shut. You must use either of the next 2 methods. Unlimited 9 wire or 3/8 chain 1 loop held with a bolt.
- 7.Trunk may also be tied shut with 9 wire or 1 3/8 chain per tie down. Hood must be open for inspection. Hoods must be secured down with chain or wire. You can use four ¾ inch bolts with 5x5 washers, sheet metal to sheet metal only if you don't use chain or wire.
- 8.Hood must have at least a 12x12 hole in case of fire

9. You will be allowed a 4-point cage max. This includes 2 door bars that cannot be any further forward than the factory firewall and cannot go any further back than the middle of the back door on a 4 door car and no more than 10 inches from the back of the driver's seat on a 2 door. The cage material may be welded to the inside compartment sheet metal. Cage must remain at least 4 inches off the floorboard. You may also run a halo bar but may not be any farther back than the middle of the back door or 10 inches of the driver's seat on a 2-door car. No down bars

10. You may run any type of tire, Mud or snow. No studded tires allowed

11. You will be allowed to run any car bumper. Must be factory with no loading. You can bolt or weld the bumper only to factory location (no added metal) to end of the frame only. A single layered straight 4"x4" square tubing may be used for a front bumper. No wider than 6 inches outside the frame and zero point.

Points Structure

Points Awards Presented after the feature at the NWMO state Fair Feature of the class

Get a stick and Enter the Arena	1 point
Mad Dog Award	+2
Feature Winner	+5
2 nd	+4
3 rd	+3
4 th	+2
5 th	+1

Northwest Missouri State Fair Event is Double Points