

2022 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, seat belt 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-minute rule to make an aggressive hit. Don't make me stop the derby and embarrass you for driving around. You have 2 minutes to re-fire a dead car.
- 7.Drivers are prohibited to drink Alcohol during the event or there is an immediate disqualification
- 8.Any Car running a belt driven fan must run a hood, no exceptions
- 9.All money winning cars will be re-inspected before anyone is allow in the arena. Re-inspection by tech officials only
- 10.\$250 protest fee paid at the driver's meeting with a protest form filled out and what specifically is being checked, protest winner gets the fee money
- 11.You are allowed 1 fire; second fire will be DQ'ed. (Exhaust/Header Fire do not count)
- 12.If you roll over and the tech officials deem it safe and no leaks, you can get back in the car.
- 13.If you run an electric fuel pump it must be wired to its own switch and clearly marked
- 14.One and done features unless 20 or more cars in class, then heats will be drawn
- 15.Cars must have a driver's door bar and dash bar as minimum safety
- 16.Drivers must be at least 14 with parents sign off until 18 years old. No passengers
- 17.Do not read into the gray areas. If you don't understand a rule call.

Stock Full Size

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

No old iron (77-Up GM, 79-Up Ford, 79-Up Mopar Allowed)

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.Hood, and speaker deck must remain 100% in stock location. 60% of the trunk must stay 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, behind 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 wheels 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 on sheet metal.
- 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.
- 2.No suspension modifications allowed. Must remain strictly stock with OEM parts for the car ran, no aftermarket parts allowed. (No Watts link conversions, No K member conversions, No Explorer front struts). Leaf spring cars must run the factory set up (clamps and number 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 ½" 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, ½" 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 ¼" 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. 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. Dash bar must be 6 inches from the firewall and 6 inches above the floor pan, both in the center of the car. 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 in the center of the back-seat area. Must be 3 inches off the floor and must be 3 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 and Plate must stay flat, no turning a corner or shaping plates
- 8.All repair welds MUST be painted red
- 9.Call first for any rust repair.

Stock Mid-Size

110-inch wheelbase or less, Front Wheel Drive

108-Inch wheelbase or less, Rear Wheel Drive

No welding on the car except where specified

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. Must be a safe tank with no leaks.
- 5.Remove plastic bumper covers
6. 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.
- 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. Gas tank protector will be allowed, no wider than 24 inches. Must be in the center of the back-seat area. Must be 3 inches off the floor and must be 3 inch from the back-sheet metal. All sheet metal must remain in factory location

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. 4 Loops of 9 wire can be used to go around the core support to 2 spots only, to keep the bumper on the car.

12. Stock K-member, Stock engine mounting, No engine cradles, Carb protectors allowed but only mounted to the intake.

13. Front radiator support mounts can be $\frac{3}{4}$ inch all tread up through the hood. No welding to anything or spacers.

Gut-N-Go 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 $\frac{3}{8}$ chain 1 loop held with a bolt.

7. Trunk may also be tied shut with 9 wire or $1 \frac{3}{8}$ chain per tie down. Hood must be open for inspection. Hoods must be secured down with chain or wire. You can use four $\frac{3}{4}$ 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.Automotive Tires only, No pneumatic, No solid or loader tire. No weld in centers or wheel protectors

11. You can weld the bumper only to the factory bumper mount. You will be allowed to run any car bumper. Must be factory with no loading. 4 Loops of 9 wire can be used to go around the core support to 2 spots only, to keep the bumper on the car.

Power Wheels

1.Only electric powered Power Wheel type machines.

2.All drivers must be 10 and under of age and wear a helmet with a clear Car number. Drivers must stay seated, during green flags.

3.A clear spot must be on each side 12in off the ground to tape a balloon.

4.All Balloons gone or tipped over that car is out.

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 if you attended 1 of the 2 prior events of the series