

2022 Lyon County Fair Demolition Derby Rules

Rules for all classes (NO Gray Area Building!!!)

1. All Drivers must be at least 16 years old with a valid driver's license. Those under 18 will be required to have a legal guardian for a signature.
2. All drivers must wear seat belts, a full face helmet, & eye protection. Gloves are recommended.
3. No drugs or alcoholic beverages in the pit area before and during the derby in Tyler. No drugs or alcoholic beverages in the pit area before, during, or after the derby in Marshall.
4. No riders on cars at any time.
5. The driver is responsible for all members of the pit crew! Any rules found violated can result in disqualification of the driver, pit crew, & car, and may also forfeit any winnings, entry fee, & trophy.
6. Mechanical work is to be done on the cars in the pit area only.
7. No displaying of foul, profane, or suggestive wording or decorations.
8. Marshall pits open at 3:00 PM & must be in line by 5:30 PM. (there will be no refunds if you fail inspection or get disqualified)
9. All glass, plastic, mirrors, trailer hitches and brackets, chrome trim, door handles, gas tanks, ALL air bags, and any loose objects must be removed.
10. Every car must have at least 2 wheels with working brakes.
11. Must have a 15 x 15 inch roof sign with your car number.
12. Must have a large hole in the hood in case of fire.
13. Must have a hole in the trunk for inspection.
14. All hoods must be open for inspection.
15. May weld a steel window net on driver's door.
16. Must have a windshield chain or bar 2 max attached to the roof & firewall (no more than 6 inches may be welded to the roof or firewall)
17. Batteries must be on the front passenger floor secured in a metal box or metal straps and must be covered. A limit of 2 batteries. (NO milk crates)
18. Floor shifters are allowed. Rear ends may be welded for posi traction.
19. Fuel lines must be incased in garden hose from tank to motor if high pressure lines are not used and must be run inside of the car NOT under the car!!!
20. May run tranny coolers must use high pressure lines, no fuel lines with hose clamps.
21. If it is not in the rules don't assume you can do it, call to make sure it is allowed.
22. NO self-tapping screws!!!!

Compact Weld Class

1. Only 4 and 6 cylinder motors.
2. 111 inch wheel base max for front wheel drive. 105 inch wheel base max for rear wheel drive.
3. Every car must have at least 2 wheels with working brakes.
4. Body Bolts can be replaced with up to 1 inch bolts with up to a 4 inch by 4 inch plate.
5. Hoods may be bolted in up to 6 spots with 4 going to the frame with a 5 inch by 5 inch plate max.
6. Trunk may be bolted in up to 4 spots with a 5 inch by 5 inch plate max.
7. No gussets front or rear.
8. May pre-bend but no WEDGES!! May seam fenders & doors. May tuck, dish, or fold in trunk but NO WEDGES!! May fold in fenders and bolt to floor. Fender wells may be bolted with 8 – 3/8 bolts.
9. Front suspension may be bolted or welded solid. Leaf springs may be clamped in 4 spots. Coils may be doubled, wired, or chained.
10. May use motor & tranny of choice. Cradles, distributor protectors are OK. Any style of drive shaft is OK. Any car rear end is OK.
11. May use a radiator barrel but must be bolted in 4 spots and must run a vent tube under the car. May use electric fans. May weld a 2 inch by 2 inch ¼ inch thick angle iron on top of core support.
12. May stuff any factory car bumper and use any factory bumper bracket or brackets that are up to 20 inch by 4 inch by 1/8 inch thick and must stop in front of the suspension.
13. Driver cage can only be 5 feet from dash bar to seat or halo bar, outside to outside.

Full Size Limited Weld Stock Cars

No Gray Area Building!!!!

Body Rules

1. Any full size car except 1973 & older Imperials, Imperial Sub Frames, 1969 & older Lincolns, no convertibles, hearses, & limo's.
2. 2003 & newer Crown Vic's, Lincoln's, & Mercury's are allowed but front & rear suspension must remain stock and no tilting of the front ends.
3. May weld all door seams , trunk, & tail gate on station wagons 5 on 5 off. Meaning you can weld 5 inches skip 5 inches and so on. Drivers door may be welded solid and also have some type of beam across it not to exceed 6 inches past the door seam.
4. The hood may be held down in 6 spots with 2 being up to 1 inch threaded rod thru the frame, core support, & hood with a max of 5 inch by 5 inch plate bolted only not welded.
5. May weld in a seat bar, dash bar, & side bars using up to a 4 inch by 4 inch tubing max. May have 1 down bar or tube welded to the frame between the dash bar and seat bar. May have a halo bar welded to the frame and bolted to 2 places on the roof the halo car must be 5 inches in front of the rear body mount in front of the humps. NO kickers allowed!
6. Gas tanks must be mounted behind the driver's seat or in the middle with a 10 gallon max. There must be a shut off switch if using an electric fuel pump! Steel tanks only! You may use a gas tank protector and only attach it to the seat bar no more than 24 inches wide from outside to outside and at least 1 inch from any sheet metal on all sides and 2 inches from the floor.
7. May have a rear window bar/tube, 2 inch by 2 inch tube max or 3 inch by ¼ inch bar max. May be bolted only! 6 inches on roof and 6 inches on trunk starting at the front trunk seam.
8. May tuck 50% of the trunk lid down and bolted or wired in 2 places. May dish trunk up to 4 inches and kink rear quarters up to 4 inches. NO folding fenders down in trunk! Trunks must have an inspection hole cut in them. May also have 2 all thread thru the frame bolted only NOT welded. NO WEDGES!!
9. No adding extra body bolts. You may replace the body bolts but you must keep the pucks or some type of spacer so the body is not tight to the frame.
10. You may use #9 wire on USED cars only 6 spots to the frame and unlimited on body 4 loops max!

Frame & Bumper Rules

11. May pull down pre-ran car frames and plate the frame with a total of 6 plates per car. The plates can be 4 inches by 6 inches and ¼ inch thick.
12. May patch rust holes with ¼ inch plates 1 inch past the hole on each side. Must be able to see hole above or below plate. Do not cut rust spot out!
13. You may resub a car, this should be done in the C section of the frame under the doors, you may overlap them 1 inch and weld back together.

14. You may shorten the front frame but the radiator support bolt hole must still be in place.
15. Any factory car bumper is allowed and may be stuffed inside. Please weld them on good!!! We don't want to stop the derby to pick up bumpers.
16. Homemade bumpers are allowed and may have a point up to 14" from the farthest point from the backside of the bumper to the point, however the point itself may be no more than a factory Chrysler Pointy itself and spanning over a 36' span across the bumper. They may be 8" tall unless loading an unaltered factory skin.
17. May cut a V in the top of the frame at the rear.
18. Bumper brackets may be ¼ inch thick, 4 inches tall, and up to 12 inches welded on one side of the frame.
19. May run a chain or wire to connect the frame rails behind the rear axle.
20. May weld the top frame seam from the firewall forward ONLY the top seam not the bottom.
21. May weld, chain, or bolt A-arms solid to a bumper height of 27 inches to the top of the bumper. Only 1 bolt per side up to ¾ inch. If welding 1 strap per side 6 inches long, 2 inches wide, 1/8 thick.
22. You may use #9 wire on USED cars only 6 spots to the frame and unlimited on body 4 loops max!

Drive Train Rules

23. Motor must remain in stock location and may weld the motor mounts. LOWER engine cradles may be used if you are using a lower pulley protector you MUST remove the sway bar. No distributor protectors. No tranny braces.
24. May use motor, tranny, & factory rear end of your choice including floaters. If it is a leaf spring car you may have 6 clamps per side. This does NOT mean converting a coil spring car to leafs!
25. Only stock radiators in stock location.
26. Every car must have at least 2 wheels with working brakes.
27. Slider drive shafts may be used.
28. 15 inch tires max, valve stem protectors are OK.

Full Size Limited Weld Trucks

No Gray Area Building!!!!

Body Rules

1. ½ or ¾ ton trucks only! (4x4 are allowed with the front drive shaft removed) SUV's & crew cab trucks are OK.
2. May weld all door seams & tail gate 5 on 5 off. Meaning you can weld 5 inches skip 5 inches and so on. Drivers door may be welded solid and also have some type of beam across it not to exceed 6 inches past the door seam.
3. The hood may be held down in 6 spots with 2 being up to 1 inch threaded rod thru the frame, core support, & hood with a max of 5 inch by 5 inch plate bolted only not welded.
4. Gas tanks must be metal and 10 gallons max, securely bolted behind the cab in a metal box or frame and covered.
5. May use up to 4 inch by 4 inch tubing for the cage. May have 1 down tube per side anywhere from the dash bar to the seat bar. Halo bar may be welded to the frame and bolted to the roof in 2 spots. MUST have a roll bar!!! Roll bar or Halo bar may have 2 kicker that attach to the front side of the wheel wells in the box attached to box only.
6. NO folding box sides down to the box floor. NO WEDGES!!
7. Body must remain factory but may add 4 extra body bolts for the cab and 4 extra body bolts for the box. 1 inch max bolts and 4 inch by 4 inch max plate size.
8. You may bolt the cab to the box in up to 6 spots with 5 inch x 5 inch plates.

Frame & Bumper Rules

9. May pull down pre-ran truck frames and plate the frame with a total of 6 plates per car. The plates can be 4 inches by 6 inches and ¼ inch thick.
10. May patch rust holes with ¼ inch plates 1 inch past the hole on each side. Must be able to see hole above or below plate. Do not cut rust spot out!
11. You may splice a new frame section, this should be done in the C section of the frame under the doors, you may overlap them 1 inch and weld back together.
12. You may shorten the front frame but the radiator support bolt hole must still be in place.
13. Any factory car or truck bumper is allowed and may be stuffed inside. Please weld them on good!!! We don't want to stop the derby to pick up bumpers.
14. Homemade bumpers are allowed and may have a point up to 14" from the farthest point from the backside of the bumper to the point, however the point itself may be no more than a factory Chrysler Pointy itself and spanning over a 36' span across the bumper. They may be 8" tall unless loading an unaltered factory skin.
15. Bumper brackets may be ¼ inch thick, 4 inches tall, and up to 12 inches welded on one side of the frame.

16. May weld, chain, or bolt A-arms solid to a bumper height of 30 inches to the top of the bumper, Only 1 bolt per side up to $\frac{3}{4}$ inch. If welding 1 strap per side 6 inches long, 2 inches wide, $\frac{1}{8}$ thick.
17. Rear bumper must be a minimum of 24 inches to the top.

Drive Train Rules

18. Motor must remain in stock location and may weld the motor mounts. LOWER engine cradles may be used if you are using a lower pulley protector you MUST remove the sway bar. No distributor protectors. No tranny braces.
19. May use motor, tranny, & factory rear end of your choice. Leaf springs may have 6 clamps per side.
20. Only stock radiators in stock location.
21. Every truck must have at least 2 wheels with working brakes.
22. Any tire or wheel allowed, split rims must be welded in at least 8 spots per rim. No wheel weights.
23. You may use a drive shaft loop.
24. Slider drive shafts may be used.