



2022 El Paso County Fair Demolition Derby July 23, 2022 Rules



03/20/2022

Derby Classes:

- Full Weld
- Full Weld Small Truck
- Full Weld Compact
- Chain / Wire
- Bone Stock Chain Compact
- Power Wheels

1. Registration form, release and completed W-9 must be submitted with paid entry fee prior to car inspection. If a car fails inspection, corrections can be made any time before the drivers meeting; if you decline, you will be disqualified with no refund. If driver is under the age of 18, parent must be present during registration, provide ID, W-9 and sign waiver of indemnification. Must be at least 14 years of age on event day to drive.

2. Video replays will not be allowed; all judges' decisions are final.

3. Car numbers are on a first come, first serve basis, early registration is recommended. Cars must have legible numbers on both sides of car and on top or hood of car. This rule will be enforced.

4. Only one support vehicle allowed in pit with each registered car.

5. **No alcohol allowed in the pits at any time.**

6. No animals are allowed in pit area or fairgrounds.

7. The driver's meeting is mandatory for drivers and crew.

8. Disqualification of car or driver for any reason will not receive a refund.

9. These rules supersede any and all rules previously posted. Rules are subject to change at any time, please review periodically for changes. Any changes will be posted immediately on the website.

The El Paso County Fair puts on the Demolition Derby for entertainment purposes and is intended to be fun. Please keep in mind that most the personnel working the event are volunteers and do this because they enjoy it. If at any time you feel you have not been treated in a fair manner, please contact: lead officials on site or Dayna Buffington daynabuffington@elpasoco.com.

Complaints must be communicated by the driver only and must be done in a professional manner.

DRIVER RULES

1. The drivers must wear a safety belt, safety helmet, long sleeve shirt and long pants. Fire suits, face shields and gloves are recommended.

2. Fire extinguisher is to be mounted in passenger compartment in driver's reach.
3. No passengers allowed during the race.
4. All drivers must remain in the vehicle with seat belt and helmet on while in the arena, unless escorted by a race official or being towed to the pits.
5. Speed limit in the pit area is 5 mph for all vehicles.
6. The driver is responsible for the conduct of him/herself, their pit crew, spouse and their friends. Any display of violence, profanity or unsportsmanlike conduct towards other drivers, fans or officials will result in immediate disqualification and/or removal from the fairgrounds.
7. The red driver's flag must be held so other drivers, judges on the ground and the announcer's booth can clearly see it. Waiting to put your red flag up does not advance your placement.
8. Only the driver and crew of the car currently being inspected will be allowed in the inspection area at that time.

DRIVING RULES

1. Drivers must make a hit every minute, and the hit must be aggressive. Patty cake hits and sandbagging are grounds for disqualification. Drivers will only get one warning with a yellow flag before disqualification.
2. Grounds for immediate disqualification:
 - Deliberately hitting a driver's door.
 - Presenting your driver's door as a shield or using it as such.
 - Team driving is forbidden and is grounds for immediate disqualification. – (Where 2 or more cars run as a pack and work on the rest of the entries, but do not hit each other.)
 - Three wheels out of bounds (on dirt berm), holding (parking your car in front of another car) and car fires.
3. If you become stalled you will have 1 minute to get restarted and 1 minute to make a hit for a total of 2 minutes. If you do not do this your car will be clocked out and disqualified, put your red flag up. Waiting to put your red flag up will not advance your placement.
4. If the final two cars in a heat become stuck together for one minute, as a result of a double hit, the cars will be pulled apart to continue racing to decide first place. If the final two cars become stuck together as a result of a single hit, the moving vehicle making the hit will be declared the winner.

JUDGING RULES

- Green flag signals go.
 - Red flag signals stop.
 - Yellow flag signals warning.
 - Black flag signals disqualification.
1. Car line up to be decided at driver's meeting by vote.
 2. The cars will be inspected according to the written rules published by the El Paso County Fair.

3. Judges will give a first and second call for line up. If your car is not ready when heat is called, you will be disqualified with no refund. We will not wait for cars.

4. Only the driver can voice any concerns about the derby to the head race official. No pit crew, family, friend or fan will be acknowledged in case of a dispute. *Judges will not make or change their decisions from spectator's video. Videos will not be reviewed.*

Important Driver Information:

- Registration is \$50 for car and driver.
- Early registration before July 8th at 4:00 pm will receive two pit pass free (worth \$60) with completed entry form, current w-9 and waiver and \$50 registration fee.
- South pit gate will open on **July 17th at 12:30 pm.**
- South pit gate car registration will end at 4:00 pm, (South pit gate will close and relocate to the East pit gate.)
- Car inspections will end at 4:30 pm.
- Mandatory Drivers Meeting will be at 5:00 pm under tent.
- **All winners are REQUIRED to fill out and sign a W-9 and present valid driver's license before receiving their purse check.**
- Guaranteed payout in all classes with 5 or more cars. Subject to change in all classes with less than 5 cars. Mad Dog Awards will be awarded

**All decisions of officials are final.
Judges reserve the right to re-inspect and
disqualify any vehicle during the event if rules are violated.**

Full WELD/COMPACT/SMALL TRUCK CLASS RULES

These car classes will be run in separate heats at the derby.

Full Weld

1. Vehicles Allowed

Any stock American made auto or station wagons are allowed. No jeeps, trucks, convertibles, hearses, ambulances, or limousines are allowed

2. Remove Parts

All glass, fiberglass, lights, light brackets, all body trim and clips must be removed. Remove all headliner material, door panels, rear seat, carpeting and all unnecessary electrical wires. If it is not metal it must be removed. No self- tapping screws.

3. Fuel Tanks

Factory fuel tanks must be removed. a maximum of 6 gallon metal fuel cell shall be installed inside of the car forward of the rear axle. Container must be securely fastened down to the floor either by welding or bolting. Plastic containers must be encased in a metal box. Minimum 1/8 inch steel. Electric fuel pumps are allowed. Rollovers will be determined for safety to continue to run and the OK by the driver to continue.

4. Battery

All batteries, maximum of 3, must be inside the passenger compartment, boxed and secured down. Either by welding or bolting. A white rag must be attached to the ground cable and be visible. Box must be a minimum of 1/8" steel. Box cannot reinforce the door.

5. Radiator

You do not have to use a radiator but if you do it must be in front of the engine. No spray foam allowed around radiator or supports.

6. Frames

No welding of body to frame. Homemade motor and transmission mounts will be allowed. Sub frame may be welded to the body. You can re-weld frame seams. Body bolts & bushings may be removed and bolts up to 1" may be used to bolt the body directly to frame with 4" x 1/4" washers. Frame Definition: Frame is defined as being able to be removed from the body by bolts.

7. You are allowed 60" x 1/4" Flat stock material on each frame rail on pre-ran cars or fresh cars. THE WIDTH OF THIS FLAT STOCK MAY NOT EXCEED THE WIDTH OF THE FRAME WHERE IT IS TO BE USED!!! Driver's choice on how this may be used. This is the MAX amount of material regardless of damage on any car fresh or pre-ran! If you weld body mount washers to your frame it will be considered part of the 60" MAX.

8. Transmissions

Transmission oil coolers are allowed. Tranny cooler lines must be steel or purpose correct material. NO FUEL HOSE.

9. Drivers Protection

All cars must have a safety bar behind the seat going from door post to door post, or from right hand side door post angled down to the driver's side. Cars must have this bar installed in order to race. Bar must be a minimum of three [3] inches in diameter and a maximum of eight [8] inches diameter. Dash bar may go across post to post or from the left hand post extending twelve [12] inches past the hump, angled down to the passenger's side. Either a "halo" bar or rollover bar is allowed and may be vertically attached to the frame. Bar behind the driver's seat must be within six inches from the back seat. Bars connecting seat bar and dash bar may not extend no further than 6" past dash and seat bar. You may have a gas tank protector but it must only be welded to the seat bar and cannot be connected to sheet metal in any way. The gas tank protector may angle back from the seat bar and have a maximum rear width of 24". Halo or roll bar Mandatory. Any moving drivetrain parts must be covered from a driver. Two front and two rear horizontal kickers allowed from the interior cage to the frame. Kickers must be located inside the vehicle. 4 vertical down bars allowed to the frame total.

10. Bumpers

Bumpers are interchangeable. Any automotive bumper and bumper brackets may be used on any car, but no more than one set of bumper brackets may be used. You can weld bumper brackets or towers to the frame. You can weld bumper brackets and shocks to the bumper. You can weld shocks to shock towers. You can collapse shocks, and you can bolt the shocks to the towers with 1/2" bolt or less, and it must be done vertically. ** No brackets are allowed to extend any further back than the front most part of your top-front a-arm bracket factory weld.

Instead of using bumper brackets you are allowed to use 1- 4" wide x 3/8" thick strap extending from your bumper down one side of the frame and cannot extend any further back than the very front most part of your top-front a-arm bracket factory weld. The portion of this 3/8" strap welded to the frame will be measured against the 48" inches of 1/4" strap allowed for frame repair. You are also allowed to wrap this strap around the front of the frame 4" to create an "L" shape. This is to give you enough material to weld your bumper to the strap. Plate may be formed but it cannot double at any point.

You may reinforce bumpers on the inside of the bumper. The bumper chrome must remain the stock shape but you may have metal put inside for reinforcement. You may trim bumper ends or fold them around. Welding the bumper skins (chrome to inner liner) is allowed. Weld them solid, we do not want them coming off. Bumper height not to exceed 24" from the bottom of the bumper to the ground and must be a minimum of 14" from the ground to the bottom of the bumper. Bumpers must be in stock location.

Front and rear bumpers may have 4 loops of wire, or Two straps 2" x 3/8" thick may be welded from the hood and trunk to the bumpers. When welding these straps to either side, only a total of six [6] inches may be welded to the bumpers or hood/trunk on either end.

If you choose to manufacture a homemade bumper it must conform to the following size limits. It can be no larger than 8"x8". The point must taper over an area of at least 32" Overall the bumper cannot exceed 12" wide at the tip of the point. {measured front to rear} The point may only extend out 4" from the flat part of the bumper.

The bumper must be mounted completely in front of the frame rails.

Doors/Trunk Lids

All doors and trunk lids must be fastened either by welding or 3/8" chain. When welding you may use up to 3" x 1/8" flat bar. #9 wire may be used in window openings 2 per window 2 wraps each. May not go to the frame. Wagons must weld 5" skip 5" or chain their compartments that open and cut a hole so they may be checked.

Drivers Door

The Driver's door must be reinforced with either a minimum of 1/4" plate or a horizontal bar not to exceed 10" past the front and rear door.

Hoods

Hoods may be welded, chained or bolted down. Maximum size filler rod 3/8" Maximum size strap 1/8" thick X 3" wide. Bolts 1" with 4" washers and nuts. Six locations, three on each side of the hood, no bolts placed in the front area of the hood to protect the radiator. Pick any two methods. No pulling hood forward and bending down to cover the radiator. On old iron only 4 of the 6 can go to the frame. On 80's and newer all 6 can go to frame.

Trunks

Welded-Maximum size filler rod 3/8". Maximum size strap 1/8" thick X 3" wide. Bolted-Four locations. Maximum size rod 1". Washer size 4" X 4" x 1/4". Chained-Four locations. In addition 2 straps 2" wide by 3/8" thick may be welded from the trunk to the bumper. Weld not to exceed six [6] inches on bumper and trunk.

Hood must have a 24" X 24" hole cut over the carburetor in case of an engine fire.

Driver Safety/Flying Objects

The Driver's door and drivers side of windshield may have vertical bars welded in to protect driver from flying objects. Two bars from roof down to rear valance panel are allowed in the rear window area. When attaching these bars to the roof/valance/firewall a MAX of 6" may be attached and welded! The windshield bars may not be connected to your distributor protector. WINDOW BARS MAY BE WELDED OR ATTACHED TO THE HALO BAR.

Engines

Drivers may use any model engine and drivetrain in any car.

Welds

Welding in the interior of the car shall consist of the following only: motor mounts, transmission mounts, radiator support, battery box, gas tank box and cage. The interior of the car shall be defined as the passenger, engine and the trunk compartments. Note: Remember the body cannot be welded to the frame. All outside seams may be welded.

Tires

Wheels may be reinforced. Maximum of 16" tires. No studded tires allowed. No split rims allowed. Valve stem protectors allowed.

Rear Ends

USE REAR END OF CHOICE. Rear control arms on coil spring cars may be reinforced. Leaf spring conversions are allowed but must be done cleanly with no major reinforcement of frame. 3 spring clamps total (factory & fabricated) in front and behind the axle. 1 loop of chain or cable/wire may go from frame to rear-end on each side. Leaf springs must be no more than 2.5" wide 3/8" thick and must be staggered at least 1" between leafs

Fender Wells

Fender wells may be cut and rolled for wheel clearance. Fenders can be welded or bolted after cut and rolled

Car Numbers

A roof top sign shall display your registered car number with letters 12" tall by 2" thick. Drivers and passenger doors shall display registered numbers 16" tall by 2" wide. Light on dark, dark on light.

Compact cars will race under full weld rules with the following additions: Only 4 and 6 cylinder engines are allowed, wheel base is not to exceed 108". Factory four wheel drive vehicles will be allowed as long as one drive line is disconnected making it a two wheel drive.

STOCK/CHAIN WIRE

Any American made car can run with the following exceptions 4x4's, ambulances, hearses, trucks, limousines, ...NO SWAPPING OF FRAMES OR SUBFRAMES, MUST BE STOCK (OEM) per vehicle. No Chrysler pointy bumpers.

CAR PREPARATION

1. No Fresh Paint or Undercoating on the frames at all. No buffing or grinding frames except where welding is specifically allowed in these rules.
2. All cars must be stock, unless modification is stated in the rules.
3. All glass, plastic, chrome, and interior must be removed from the car before arriving at the derby.

4. All trailer hitches and braces must be removed.
5. Batteries must be moved to the passenger front floorboard. They must be properly secured and covered.
6. You must have a number in Bright colors on each front door and must have a 15"x15" sign on the roof of your car with car number on it for judging and recognition of the car. You cannot use the roof sign to strengthen the car.
7. You must use a radiator and it must be in stock location.
8. All cars must have working brakes when you cross the ramp. If the car is not able to exhibit the ability to Stop it will not be inspected.
9. You can run shifters through the floor, and you can have a switch panel. If you are running an electric fuel pump, it must be hooked up to your ignition switch, so when your car shuts off, so does the fuel pump.
10. You may cut wheel wells for tire clearance
11. No radiator guards in front of or behind the radiator. No spray foam can be used around the radiator and the supports.

TIRES

Tires no bigger than 16 inch, No split rims, No studded tires. Foam filled or doubled tires are OK– we don't want any flats!!! Valve stem protectors are OK. Tires may be screwed to rims.

MOTORS & TRANSMISSION

Use motor of choice, motor must be in stock location. Pick one option for trying your motor in:

Chain motor down 1 loop per side

Cable motor down 1 loop per side

Lower engine cradle with weld in mounts No distributor protectors!

REAR-ENDS

Any stock 5 lug rear end, no full floaters and no bracing. You can tilt the rear end if you wish. Welded or posi-track highly recommended. Suspension must be stock.

FUEL TANK, OIL COOLERS, & TRANSMISSION COOLERS

Original gas tanks must be removed. You must use a boat tank or well made fuel cell (6 gallons maximum and no exotic fuels allowed), and it must be properly secured and covered. Only metal tanks may be used. Fuel line must be secured and fastened properly. Keep away from exhaust. Place the fuel cell behind the driver's seat or in the center of the car where the backseat used to be. No other source of gas inside the car at all.

Engine coolers are allowed. These coolers cannot be placed to reinforce the car.

You can run one 3" square or round gas tank/transmission cooler protector. It cannot attach to anything other than your backseat bar. It must be centered between frame humps. It can not exceed 48" in width attached to the seat bar and must angle to 24" in width at the rear and must be a full 3" from rear sheet metal in the second seat area. Maximum length of this protector is 24". No added bracing.

WELDING

Drivers door and door protection can be welded solid, drivers door protection can go no farther than 6" past drivers door seams. Outside drivers door protection mandatory!

CAGE

For driver's protection, you may weld a bar behind the seat from doorpost to doorpost MAXIMUM 6" INCHES WIDE , 1/4" 12" x 12" plate to attach to each side of the door seam behind the seat. Do not connect directly to the frame. You must have a halo bar or rollover bar behind the seat, which must be welded to the SEAT BAR with 2 vertical down bars maximum and may be welded or bolted to the roof halo bar. You are also allowed a maximum of 4"x 4" passengers door bar, firewall bar and drivers inside bars for protection. This can only be welded to each other and attached to the seat bar. No down bars are allowed from the 4 corner safety bars.

BUMPERS

Bumpers must be stock (oem) bumper for any automobile or 4"x4"x 14 " round or square tubing with open ends. PICK ONE ONLY. Bumpers can be no wider than middle of tires.

Can weld bumper to stock bumper bracket and bracket to frame. No welding bumper to the body in any fashion. Bumper height not to exceed 24" to the bottom of the bumper to the ground and must be a minimum of 14" from the ground to the bottom of the bumper or frame both front and back. Bumpers must be in stock location. No seam welding, and no chrysler pointy.

TRUNK/HOOD/DOOR SEAMS CAN USE 1 LOOP OF 3/8 CHAIN IN 2 LOCATIONS OR 2 WRAPS #9 WIRE IN 2 LOCATIONS.

TRUNKS

Stock position of all trunks and hoods. Do not slide your hood or trunk forward or back, trunk and hood must remain on hinges. Trunk and hood lids must have a 12 inch hole cut in the center of trunk for inspection purposes. Can have 2 1 inch all thread from trunk to frame. Maximum washer size 4 inch by quarter inch.

HOODS

Hood must have at least a 12 inch square hole over the air cleaner cut out in case of fire. Do not slide your hood or trunk forward or back, trunk and hood must remain on hinges. Can have 2 1 inch all thread from hood to frame. Maximum washer size 4 inch by quarter inch.

BODY MOUNTS

Body mount bolts and spacers must be stock size and material.

Suspension must be stock height. Bumper height not to exceed 24" to the bottom of the bumper to the ground and must be a minimum of 14" from the ground to the bottom of the bumper or frame both front and back. Bumpers must be in stock location.

Leaf springs must be stock and made of stock spring material. Do not raise the suspension in any other way. Do not re-engineer the way the steering components mount to the frame. Only stock car replacement stock ball joints and tie rod ends are allowed; no pickup or van tie rod ends.

FENDER WELLS

Fender wells may be cut and rolled for wheel clearance.

CAR NUMBERS

A roof top sign shall display your registered car number with letters 12" tall by 2" thick. Drivers and passenger doors shall display registered numbers 16" tall by 2" wide. Light on dark, dark on light.

ONLY NON STOCK PARTS ALLOWED

Lower engine cradle with weld in mounts Shifter

Headers

Transcooler

Fuel pump

Steering Column

Gas/Brake Pedal

Slider Driveshaft

Transmission brace bolted to the top side of transmission only

RUST REPAIR/PATCHING

You can patch rust holes in sheet metal with sheet metal only. Do not cut rust out; weld 2" beyond rust. If your frame is rusted through, call for instructions on how to fix the rust hole. DO NOT FIX IT WITHOUT CALLING AND EXPECT US TO ALLOW YOU TO RUN IT.

Patching - you are allowed to patch a hole in the passengers side by only using a maximum of 4"x4" patches maximum 18 gauge metal, patches not allowed to touch each other to fill the hole. Suspension must be stock height. Bumper height not to exceed 24" to the bottom of the bumper to the ground and must be a minimum of 14" from the ground to the bottom of the bumper or frame both front and back.

LEAF SPRINGS

Leaf springs conversions will not be allowed. Leaf springs must be stock and made of stock spring material, with a 1" stagger and no springs can be as long as the main leaf. You can only have a total of 8 leaf springs per side, no thicker than 3/8" thick and no wider than 2 3/4" wide. The main leaf must be the top spring in the spring pack and leaf springs must go down from longest to shortest in minimum 1" stagger. You can re-clamp springs, 4 clamps per side. Homemade clamps can't exceed 2x4x1/4". You can change coil springs to a stiffer spring or add a spring. You may run up to 1" bolt from your rear end housing to the package tray no chains will be allowed. You can either bolt or chain your rear end in, DO NOT do both. You cannot change the length of trailing arms to shorten or extend them. Rear control arms

must be stock, but can be reinforced. You may weld them solid. Do not raise the suspension any other ways except what is listed above. You can bolt, wire, or chain coil springs to rear-end and frame to prevent springs from falling out, do not go through body as this would be another body mount. You may weld leaf spring mounting brackets to prevent them from becoming unbolted. You can loop chain or wire (1 loop of 3/8" chain or 4 loops of #9 wires) from rear end to frame in 2 spots on each side, must go around frame, do not bolt the chain to the frame. We are going to allow you to weld the chain to the side of the frame, for your chains from the frame to the rear end, you can weld one link only to the side of the frame if you choose to weld the chain instead of wrapping it around the frame. When attaching leaf brackets you will be allowed to use 4x4 1/4" square tubing no longer than 4" to be welded to each side of the frame rail. Do not exceed this rule! Do not reinforce factory mounting plates.

Tie rod tubes may be manufactured but must stay close to the same length and must mount in the same configuration as stock. Aftermarket spindles are allowed. Do not re-engineer the way the steering components mount to the frame. Only stock car replacement ball joints and tie rod ends are allowed; no pickup or van tie rod ends. Upper control arms can be welded down with 2"X4" 1/4" plate only, no other welding.

WINDOW BARS

For safety, all cars must have (2) windshield bars extending from the halo bar to the dash bar. These bars cannot be any larger than 2" X 2" SQUARE TUBE OR 3/8" X 3" FLAT BAR you may attach these 2 bars to the halo bar and the dash bar only. The vertical bars must be a minimum of 14" apart at the firewall.

You may weld 1- 2" in diameter rear bar from halo bar to first 6" of sheet metal on rear valance panel in the rear trunk area. This bar can only be welded to halo bar and the first 6" of sheet metal on trunk.

GM Wagons must remove all rear decking and seat components. All other rules above must be followed.

COMPACT CARS/SMALL TRUCK

Compact Cars or Trucks may be American or Foreign and will race under full weld rules with the following exceptions:

A compact car is defined as any 2-wheel drive, unibody car with a maximum wheelbase of 108.1 inches or less, 4 and 6 cylinder engine only.

1. Small truck defined as rated as smaller than 1/2 ton.
2. Four-wheel drive vehicles must have one drive line disconnected.

BONE STOCK CHAIN COMPACT CAR CLASS RULES

Any 1990 or newer, front wheel drive car or mini van only v-6 and smaller engines only, can be foreign or American.

Must be BONE STOCK and may not be modified in any way unless otherwise referenced.

- **IF YOU HAVE A QUESTION- PLEASE CALL. DO NOT ASSUME.**

The only welding allowed will be on the backbone, halo bar and driver's door protection.

- Backbone is defined as a solid bar no larger than 6" wide and may be welded or bolted between the doorposts.
- Halo bar is defined as a rollover bar and may be welded or bolted to the backbone.
- Driver's door protection is defined as ¼" or less solid plate or equivalent and may be welded or bolted to the driver's door. It may not extend more than 6" beyond the door seams.

All doors, trunk & hood must be open for inspection, except for the driver's door.

All doors, trunk & hood must be chained shut. May have a maximum of 4 chains each with a maximum diameter of 3/8".

Stock metal or aluminum wheels allowed with non-studded DOT tires.

Factory fuel tanks must be removed from stock location and relocated to the back-seat area and may not contain more than 5-gallons of fuel. Container must be securely fastened down to floor either by welding or bolting. No exotic fuels are allowed.

Air bags must be removed.

All glass and plastic, (except for bumpers and covers) must be removed from the exterior of the car.

Bumpers must be STOCK, and factory secured.

No welding other than for driver's protection

Must be able to open all doors, trunk & hood for inspection.

Batteries must be relocated to passenger front floorboard and must be properly secured in a sealed battery box made of metal.

This is a back to basics class and is intended for beginners and rookies.

These are the rules and supersede any and all rules previously published and/or used and are subject to change.

GOOD LUCK!