

2024 Demolition Derby Rules - Light Weld Compacts

This class is open to all men and women 16 years old and over. 16 and 17 years old must have a notarized permit signed by parent/guardian. In fairness to all the following rules and regulations shall prevail.

Participant regulations

Driver may move forward or backward. Driver must make contact every 60 seconds or be disqualified. No sandbagging. No team driving. Cars must move when hit or show visible damage. No driver door hits allowed.

Preparation of Cars

THIS CLASS WILL BE OPEN TO ANY Compact CAR WHEEL BASE WILL NOT EXCEED 108 INCHES. Measured from center of wheel to center of wheel (must be factory 108 inches cannot move wheels in). No screws allowed. NO PLASTIC GAS TANKS (heavy duty plastic racing fuel cells are allowed). No wedging, no sedagons, no jeeps, trucks. No convertibles. All glass, chrome, pot metal, lights, carpet, headliner, back seats, fiber glass (anything flammable) must be removed before reaching the exhibit area. DO NOT BREAK GLASS IN DOORS. Trunks must be empty of all debris (spare tires, rims, etc.). Absolutely no welding but what is stated in these rules. Unlimited 9 wire. Mandatory you must have number on both front doors and roof big enough to see and must be bright enough colors to be seen. No profanity allowed on cars.

Engines

Must be 4 or 6 cylinders and must be in stock position. No cradles or protectors YOU can have a simple carb protector from motor mounts on front to bolts on back of motor. (no bigger then 2x3 material to be used)

MOTOR MOUNTS

YOU CAN USE A 2X2 SQUARE TUBING TO REPLACE FACTORY MOUNT BUT, NOTHING TO MAKE IT A KICKER.

Radiators

May be removed but not relocated

Transmission

TRANNNY COOLERS ARE ALLOWED keep safety in mind when installing. NO PROTECTORS. YOU CAN HAVE A AFTER MARKET SHIFTER

Battery

Must be in a secure position and be covered with something nonflammable (like rubber floor mat). Batteries must be secure with no movement.

Suspension

Must remain stock. Except as stated in these rules. You may weld shocks, spacers allowed, c v shafts may be modified. NO MODIFIED TIE RODS, BALL JOINTS ETC. Leaf Spring conversions are not allowed. You may build a Leaf pack with 5 Leafs with a 2 inch stagger. Max leaf Thickness 3/8 inch thick.

Steering Column

May be modified from gear box to steering wheel. All other components must remain stock.

Hood

Must be in factory position. 6 hood bolts allowed but only 2 can go to the frame. They cannot go in front of the radiator. Bolts must not be bigger than 3/4 with washers no larger than 6 inches outside diameter. Must have 2 holes cut in hood big enough for fire extinguisher. Not directly over carburetor. Althread or bolts must be straight no making a L OUT OF THEM.

Trunk/Wagon tailgate/Hatches

You can use 6 3/4 bolts with washers not bigger than 6 inches outside diameter, none to the frame. Trunk lids must remain on hinges. You may tuck the trunk but no wedging and no sedagons. If you don't bolt you may weld trunk 6 inches inch leave 6 inches. Hatches and wagon tailgates weld 6 inches leave 6 inches.

Body

No seam welding allowed. No patching allowed. Pre-denting is okay. Creasing is allowed no double creasing no welding or bolting creases.

Fenders

Fenders may be trimmed. 10 bolts per fender may be used. Bolts are not to be no bigger than 3/8 with washers no larger than 1 inch outside diameter.

Body mount bolts

Must be factory size and must be in factory location. Must have factory rubbers.

Frame

Absolutely no welding on frame. No reinforcing of frame. You can notch the frame. You can have 2 4x6x1/4 inch plates for damaged area only per rail. Must have at least 4 inches between all patches and brackets.

Doors

Doors may be welded solid with a strap no bigger than 3x1/8 inches, on the outside only. Driver's door should be reinforced.

Cage

You may have a cage with two side bars and three bars across. The cage cannot extend past the dash area in the front and must be at least 2 inches in front of the rear wheel wells in the back. This can be welded in. Absolutely no kickers. You may have a halo bar no further back than 10 inched behind driver's seat. None of the cage or halo bars can connect to the frame, or to windshield bars or roof signs. Cage must be at least 4 inches off of floor and no higher than bottom of door windows. Halo bars must be vertical.

Bumpers

Bumpers are interchangeable. Any automotive bumper may be used on any car, but no more than one set of bumper brackets may be used. Bumper brackets may be from any car that is legal to run in your class and on only one side of the frame. Bumper brackets must be one of the two following methods.

First way – factory bumper bracket that is legal to a car in your class may not extend any further back than the first 14" of the frame. You can weld bumper brackets to the frame (single pass only). You can weld bumper brackets and shocks to the bumper. You can weld shocks to shock brackets. 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. All brackets must touch the bumper and cannot be cut apart to lengthen.

OR

Second way - INSTEAD of using bumper brackets you are allowed to use ONE 4" wide x 3/8" thick plate Bracket can be formed extending from your bumper down either a side, or the top, or bottom of the frame choose only one cannot wrap a corner with it and cannot be any longer 14". 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 reconfigured but must stay only 4" wide max. Do not bend plate past 90 degrees when you reconfigure the plate. Plate may be welded on either side of the frame or the top or bottom, your choice. Do not abuse this rule **YOU WILL CUT**.

You may reinforce bumpers on the inside of the bumper. 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.

The bumper may be built up to have a 14" point from the farthest point from the back side of the bumper to the point over a 36" span and 8" tall. Bumpers can be manufactured but MUST be to the specs of original bumper. Will be checking this. Rear Bumper Brackets must follow the front bracket rule, no longer than 14" on the frame.

Bumper height not to exceed 20" to the bottom of the bumper to the ground and must be a minimum of 12" from the ground to the bottom of the bumper or frame.

Bumpers must be in stock location. The bumper must be completely in front of the frame rails. No part of the bumper may extend back past the front most part of the frame rails

Front and rear bumpers may have 4 loops of wire from radiator support/trunk lid or deck (to sheet metal only do not go around core support bolts) to bumper (not frame). These cannot be placed in front of the radiator.