

2023 Light Weld Compact Demo Derby Rules

TNT Demolition Derby, LLC

If you have any questions with the rules, CALL FIRST. Do NOT assume anything, do NOT play any grey areas. This should be a one time through inspection type build and if you are caught with several major issues, you will be loaded. PLEASE READ AND ADHERE TO THE GENERAL DEMO DERBY RULES. All classes must follow those general rules as well. The official's decision is final. Call Logan Sorensen @ 231-343-8868 for building questions.

Cars Allowed

1. Any rear wheel or front wheel car allowed. 112" max wheelbase.
2. No V8 engines allowed.
3. NO all-wheel drive cars allowed.
4. No trucks, full size vans or SUV's allowed.
5. No T-tops or convertibles allowed.
6. No Full frame cars

General Preparation

1. All glass, plastic, carpet, and pot metal must be removed. Nothing to remain in the bottom of the doors or the trunk.
2. Driver door panel can be left in place.
3. All outer hardware must be removed – door handles, mirrors, chrome, molding, fiberglass, etc.
4. All flammable material must be removed.
5. All airbags must be removed.
6. The cars computer can be relocated and secured with spray foam.
7. Front seat must be securely bolted to the floor.

Body Preparation

1. All cars must run a hood.
2. Hood needs to be open for inspection.
3. Hood must be wired, bolted, or chained shut in up to 8 locations. This will be done after inspection when you line up immediately after inspection.
4. Wire for hoods double stranded maximum. If bolted, you may use 6" of angle iron per location with 2 – 5/8" bolts max per location.

5. Front 2 body mounts may extend through core support and be used as the front 2 of the 6 hood bolts using 5/8" all thread. The all-thread may be welded to the inside of the subframe/frame with a 4" vertical bead.
6. Hood and trunk lid must have a 12" x 12" access hole in them for inspection and safety.
7. Hood and trunk lids may have 10- 5/8" bolts bolting the sheet metal together.
8. Sunroofs must be covered, no exceptions.
9. Driver door can be welded solid. Other doors can be welded with 12" per vertical seams or can be chained or wired shut in 6 spots MAX.
10. Body mounts must be factory, no aftermarket bolts.
11. Trunk lids are allowed to be removed.
12. No other welding is allowed at all unless it is specifically mentioned within these rules.
13. No seam welding is allowed.
14. Creasing, pre-bending, and body shaping is allowed.
15. Trunk lids may be welded using 5" on, 5" inches off rule using 1/4" thick x 3" wide strapping.

Steering & Suspension

1. NO modifications to suspension allowed except where noted.
2. A-Arms must be factory. No aftermarket A-arms or added metal plates.
3. Struts must be factory. No aftermarket struts. You are allowed to weld strut tower at the shock for solid suspension with a single pass of weld.
4. NO changing out the rear end components. If it's too rusty, build a new car.
5. Coil springs may be wired in.
6. Inspectors may drill or unbolt as necessary if they think that something has been tampered to ensure that all rules are being followed.
7. Aftermarket steering, pedals and shifters are allowed. You are allowed shifter brackets and protectors.

Brakes & Tires

- 1) Car must have working brakes at all time.
- 2) Any tire/rim combo is allowed.
- 3) 4 wheels max per car, no dual tires.
- 4) NO split rims or studded tires
- 5) Wheel weights must be removed.
- 6) Tire flaps are allowed.

- 7) Valve stem protectors are allowed
- 8) Tubing tires is allowed.

Frame / Unibody

1. You are allowed 2 patch plates on each side of the car (4" x 4" ¼" thickness max). There must be 1" gap between each plate and you cannot shape them or manipulate them in any way. They must be laid flat onto frame.
2. NO filling frame or body holes with spray foam.
3. Crush boxes can be removed
4. If you have frame repair questions call Logan before you come to the show with instructions how to fix it.

Bumpers

1. Plastic front bumpers may be changed. Leaving them stock is fine as well.
2. Homemade, replica, or any stock automotive bumper allowed.
3. Bumpers can be cut down for clearance but cannot have any sharp edges.
4. Bumper ends can be folded in.
5. Bumpers can be lightly welded to the car. Do NOT over do this rule.
6. Bumpers may not be any more pointed than a factory 1974 Impala.
7. Bumpers may be loaded but no added metal to the outside of the bumper.
8. For bumper mounting purposes, on the top side of the frame, you may have a 2" x 8" strap with a maximum thickness of ¼". On just 1 side of the frame per rail, you are allowed a 3" x 8" strap with a maximum thickness of ¼". It cannot completely cover factory holes and may connect to the K Frame.
9. Bumper shocks are allowed. Bumper shocks cannot exceed 10" in length but can be mounted inside the frame or attached to the outer part of the frame.
10. Bumpers may be seam welded.
11. Bumper height rule- Minimum height measured to bottom of bumper is 14" and maximum height is 20"

Drivetrain

1. Radiator must mount in factory location or be removed.
2. Stock OEM style radiator only.
3. NO homemade radiators or reservoir tanks allowed.
4. Radiators can be spray foamed in place.
5. Electrical fans are allowed.

6. Motor swapping are allowed.
7. No engine cradles are allowed
8. Headers are allowed but must be pointed straight up.
9. Welded differentials are allowed.
10. Aftermarket motor mounts are allowed. 2"x2" tubing allowed.
11. You are allowed to use expanded metal for a radiator protector but cannot be no more than 1" wider than the radiator and cannot be more than ¼" thick.

Drivers Compartment

- 1) A chain, strap, or single 4" x 4" x ½" wall tube will be allowed behind the driver seat from post to post UNLESS you have a 4 point cage.
- 2) Cages must not go more than 15" past the driver door post.
3. Cages may be gusseted and have a center bar in the middle.
- 4) Cage must be 5" off of the floor and cannot be higher than 5" below the window area of doors.
5. You are allowed 1 down leg attached to the body/frame in each the driver door area and the passenger front door area. This must be located inside the car and not the door itself.
- 5) Driver's door may be foamed for protection. Driver door may be skinned for protection and cannot be further than 3" past any seam.
- 6) Stock fuel tanks must be removed. Fuel cells must be located inside car. No stock tanks inside car.
- 7) Fuel cells must be attached to either the 4 point cage/rear seat bar or bolted to the floor but must be in rear seat area and can touch the rear package tray. Fuel cell protectors cannot be wider than 34".
- 8) Pump gas only.
- 9) Electric fuel pumps are allowed. An ON/OFF switch must be mounted to the left side of the steering column on the dash with the OFF in the down position.
- 10) Windshields must be removed.
11. A chain, cable, 2" x 2" tubing, or #9 wire must be used in the front windshield area from the cowl to roof. This is for driver's protection. It cannot attach to the cage OR halo bar.
- 12) You are allowed up to 2 automobile type battery allowed. Battery must be relocated to front passenger seat or front Floorboard area. Battery must be securely fastened and covered.
- 13) #9 wire will be limited inside the car. 4 spots of 9 wires is allowed from your cage/halo to the floor.
- 14) Driver door protection is allowed to go 15" from front driver door seam forward AND 15" past the B pillar (driver door seam). The door protection overlap rule is for the outside of the door. If your door protection is inside the car then you must go by the cage rule. Driver door protection must be positioned in the middle of the door if it is located on the outside of the door. If it is located inside the door it must be 2 pieces built in an "X" fashion.
- 15). Driver door protection- Cannot have too much. Angle iron/fence post is not allowed to be used as driver door protection. We cannot stress enough how important this rule is.

16. A back window bar (2"x 2" max size) is allowed. The bar must be attached no more than 4" on the roof and must be attached within 3" of the rear package tray. It cannot be connected to the Halo bar.

17. You must have a halo/rollover bar. This is for your safety. You are allowed up to 2 - 3/4" bolts attached to the roof. It cannot be welded to roof.