

Demolition Derby Official Car Rules

General

1 - Any Foreign or Domestic mass-produced 2 or 4 door hard top car is permitted.

No Chrysler Imperials or Imperial frames 1973 or older.**

No open roof cars. Minimum 107" wheelbase.

2 - No 4WD, Jeeps, Trucks, Blazers, Suburbans, Vans, Utilities, Flower Cars, or Carry-alls permitted.

3 - All cars must have an identifying number displayed on each side and the roof. The numbers must be large enough to be seen from announcers booth.

4 - No extra screws, nuts, bolts, welds, chain, wire, rope, glue, adhesive, or other fasteners may be used besides what is covered in these rules.

5 - NO REINFORCING ANYWHERE!! Patching and rust repair will be allowed at officials discretion. Cars are to be considered STOCK unless otherwise noted.

6 - JUST BECAUSE IT IS NOT MENTIONED IN THE RULES, IT DOES NOT MEAN YOU CAN DO IT. Call with questions.

Stripping

1 - All unnecessary glass, plastic and chrome moldings, and flammable materials must be removed. No broken windows in doors. Windshields may be replaced by heavy wire mesh and at least one bar from roof to cowl area (WINDSHIELDS OR A REPLACEMENT ARE REQUIRED in NJ).

2 - The car must be clean and free of loose debris in the driver's compartment and the trunk.

3 - Stock gas tank must be removed.

4 - All trailer/towing hitches must be removed.

5 - All airbags must be removed.

6 - Drain air conditioners. Rubber hoses must be cut or removed prior to arrival at the track.

Cages and Driver Protection

1 - SIDE TO SIDE BARS MAY BE USED DIRECTLY BEHIND THE DRIVER'S SEAT AND IN PLACE OF THE DASH. They must be a minimum size of 2" O.D. and a maximum of 4" O.D. They must be welded, with mounting plates not exceeding 1/4" x 6" x 12". They may be connected to each other on both sides of the car to form a "halo". Up to 6" channel may be used for side bars, but they may not be more than 60" long. Seat bar must be minimum 12" from floor. Gussets may be used at joints, but no larger than 3"x3"x1/4"

**Gas tank protectors may be used, but may be no wider than 24", and may not be within 5" of the floor. Also, they must come off seat bar.

2 - Rollover protection is allowed and recommended. It must be attached to the bar behind the seat. It may travel straight up, across the top of the roof, and be bolted to the roof in three (3) places. Non posted cars can weld the vertical bars to the roof to create posts for safety. Roof bars may not travel front or back.

3 - A windshield bar or chain may be attached from the roof to the cowl area in front of driver. It may not be in line with back of distributor protector!!

**A rear window bar may be used but may not be located any farther back than where trunk lid meets the rear cowl.

- 4 - Driver's door reinforcement is recommended and may be on the inside or outside of the car. This is not to extend more than 6" in front of and 6" behind the driver's door seams. Inside padding is recommended for the driver's door.
- 5 - Side impact protection chains may be used. They may consist of a single wrap of 3/8" or smaller chain around the frame and extend to the bottom of a window post or the roof. You will be allowed FOUR per car and they may not be used to sandwich the frame and body to create a new mount. Call with questions!!

Body and Frame

- 1 - Original mounts may be replaced by bolts no larger than 5/8". Washers may not be larger than 1/4" x 3" x 3". No welding washers to car body or frame. Do not relocate or add extra body mounts. Radiator support mounts may extend through the hood as 2 hood mounts. Cars without radiator support mounts in a position to make this rule effective may weld threaded rod vertically on the side of the frame, or attach it through the top of the frame only.
- 2 - Car bodies must have correct frames for the manufacturer. (ex. Ford to Ford, GM to GM, Mopar to Mopar)
- 3 - You may not re-weld any frame or body seams. No welding on frame except bumpers or bumper brackets.
- 4 - Rusted bodies and/or frames may be patched with correct thickness steel. Patches may overlap 1" onto solid metal. All patches are subject to a drill test at the discretion of the officials. This will consist of no more than 2 holes 1/2" in diameter per 6 inches of patch. "Over-patched" cars will not be allowed to compete.
- 5 - Notching and pre-bending will be allowed. Do not weld the notches back together.
- 6 - Quarter panels must remain in a vertical position.
- 7 - Do not paint or undercoat frames inside or out. Do not grind or buff frames.

Doors

- 1 - All doors must be securely fastened shut. Any door that comes open during an event will result in disqualification. This includes tailgates on station wagons.
- 2 - Doors may be chained, welded, bolted, banded, or any combination of these. Any door opening during an event will result in disqualification.
- 3 - Welded doors may be closed with 3/8" thick rod or smaller, or 3" x 1/4" metal straps or smaller. OUTSIDE SEAMS ONLY!!
- 4 - Call with any other questions.

Hood and Trunk

- 1 - Hood must have at least a 10" x 10" hole on each side of the air cleaner for fire personnel. Hood/trunk cutout bolts may be used. Max 12 per hood/trunk.
- 2 - Hood may be secured in 6 places with chains no greater than 3/8", bolts no greater than 1/2" with 3" x 3" x 1/4" washers, metal banding, or any combination.
- 3 - All hoods MUST be open on stock hinges or removed completely for inspection regardless of cutout size, please do not weld them shut.
- 4 - Trunk may be fastened in no more than 6 locations by welding, chains no greater than 3/8", bolts no greater than 1/2" with 3" x 3" x 1/4" washers, metal banding, or any combination. Trunk bolts, if used, must be sheet metal to sheet metal only. Do not bolt trunk lid through frame.

5 - If welded, no more than 6" at each spot. Welding may be done with 3/8" rod or smaller, or 3" x 1/4" metal straps or smaller. Do not stack filler metal.

6 - All rear inner decking panels must be removed from station wagons. All body seams must be visible for inspection whether it is a used car that is bent or a fresh car that is pre-bent. If trunk lids are welded or tucked, two 8" inspection holes must be cut for inspection.

7 - Cars with plastic inner fenders may remove inner fenders and weld a 3" x 3" x 1/4" piece of steel to the fender for the purpose of securing the hood. OR, 3" x 3" x 1/4" angle clips may be welded to the hood and fender and secured with 1 bolt per location. Call for clarification.

8 - Wedging of trunk area will not be allowed. Trunk lids may be cut or bent to tuck. Quarter panels must remain in a vertical position.

Bumpers

1- Bumpers, bumper shocks, and mounting brackets may be interchanged within reason. All bumpers and mounting assemblies must be from cars and remain stock appearing. All mounting brackets may be welded. Bumper shocks may be welded or bolted. Bumpers may be welded directly to the frame. Nothing may be welded beyond 12" from front of frame. Shocks inside frame may not extend beyond the 12" mark unless they are factory for that car in the factory position.

2 - Bumpers must be secured to the car body, 2 locations each, with chain or wire going through the bumper. If through the hood or trunk, counts as 2 tie downs.

3 - Bumper ends may be cut off or bent in. No sharp edges please. No welding bumpers to body.

4 -Tire pokers, extra bolts, and sharp edges will not be allowed

Engines and Transmissions

1- Engine and transmission swapping between manufacturers is allowed. May be welded or bolted to crossmember only.

2 - Transmission coolers and engine oil coolers are allowed. You must use high pressure lines and fittings. Gas line and hose clamps will be rejected.

3 - Some type of air cleaner must be used. No open carbs will be allowed.

4 - Exhaust may exit under the car or straight up through the hood, but DO NOT point it forward

5 - Radiators must remain in their stock location if used. They may also be replaced with a closed loop system.. No excessive use of hoses. No tanks.

6 - Metal engine driven fans must be removed. One plastic racing style fan or one electric fan with plastic blades will be allowed per car.

7 - Water only in cooling system. Please drain antifreeze prior to arrival at the track.

8 - Two batteries per car are allowed. Batteries must be mounted securely to the passenger side floorboard and covered with a rubber mat. We recommend metal frames bolted or welded to the floor or chains. Please do not use zip screws or rubber straps.

9 - Distributor protectors and carb guards will be allowed. Max 15" wide at firewall. Must be inside headers. Cradles and pulley protectors allowed

Suspension and Rears

1 - Any rear-end may be used provided it is from a car(5 lug or less). Rears may be locked. Rears may be chained, however suspension must still move.

2 - Suspension may be raised by using torsion adjustments, spring spacers or blocks. Front and rear suspension must have a minimum of 1" of travel up or down.

3 - Shocks must be operational. They may be clamped or stuffed with rags, but must still travel. Shocks and springs may be from cars only. NO TRUCK PARTS!

4 - You may use up to 7 leaf springs per side on factory leafed cars. They must have 2" minimum step-downs. The main must be the top spring. The rear must be mounted on top of the main spring. No more than three replacement clamps will be allowed on each spring pack. They may not exceed ¼" x 2" x 5".

4 - No suspension conversions except airbags to coil springs.

Gas Tanks and Gas

1 - ORIGINAL GAS TANKS MUST BE REMOVED COMPLETELY!!!

2 - Fuel cells or approved marine style tanks are required No gas cans. Tanks must have secure, leak-proof fittings.

3 - Tanks must be located behind the front seat and must be fastened to the floor with chains, bolts, or both.

4 - Tanks must be covered with a rubber mat, a metal cover, or both.

5 - You may run an electric fuel pump. It must have a kill switch that is clearly marked. Please use fittings or good hose clamps and make sure they are tight.

6 - No more than 10 gallons of gas allowed.

7 - Any fuel will be allowed. Be safe and smart about it.

8 - WE RECOMMEND MOUNTING TANK OR CELL IN A METAL BOX BOLTED TO THE FLOOR WITH A FASTENED METAL LID

Brakes and Steering

1 - A working hydraulic brake system is required. You must exhibit the ability to stop. Anyone losing their brakes during an event will be disqualified.

2 - Steering components may be interchanged. They may be strengthened.

Tires and Rims

1 - No studded tires. No liquid or concrete filled tires. Any ply rating, foam filled, doubled, etc will be allowed.

2 - All wheel weights must be removed, including on the inside of the wheels.

3 - Valve stem guards are ok providing they are safely secured and do not reinforce your wheels. (officials' discretion) No added steel otherwise.

Additional Comments

1 - Be prepared to have your vehicles inspected with a bore scope or other type of fiber optic camera, and to have vehicle re-inspected at any time.

2 - The intention of these rules is to try to keep all competitors on a level playing field. Build within the rules.

3 - The top 5 drivers in the main event will have the opportunity to inspect the winning cars with the officials at the end of the derby. Issues must be rule specific, not opinions or interpretations