

Per NJSP and NJ Racing Commission:

1. Any stock, American made, hardtop automobile may be used.
2. In a demolition derby event, jeeps, carryalls, 4WD, pickup trucks, sport utility vehicles, full-frame station wagons, ambulances and other vehicles utilizing a truck chassis are not permitted. Newer model station wagons utilizing unibody construction shall be permitted. American made and foreign made, stock, hardtop vehicles may participate together in a compact car class with the following guidelines:
 - a. Vehicles must have four cylinder engines;
 - b. A maximum wheelbase of 104 inches measured from center of front wheel to center of rear wheel;
 - c. Vehicles shall not have more than five lug nuts per wheel;
 - d. Wheel size not to exceed 15 inches;
 - e. No full framed vehicles allowed; and
 - f. Compact cars shall not compete with any other class.
3. All glass, including rear windows, headlights, tail lights, and parking lights, must be removed with the exception of the windshield. If the windshield is removed it must be replaced with heavy mesh screening with a center post or Plexiglas.
4. All chrome strips must be removed from a participating vehicle.
5. Gas tanks may be moved to a different position within the driver compartment. Tanks relocated into the driver compartment must be placed in the vehicle where the back seat normally would be located, either behind the driver, or on the right side, behind the front passenger seat. All tanks shall be constructed of steel (22

gauge minimum) or aluminum (16 gauge minimum). Tanks shall be restricted to a maximum capacity of five gallons. Tanks shall be encased in a metal box that is bolted to the floor of the vehicle. The box shall have a metal lid that is fastened to the container. A metal fire wall must be between the driver and the gas tank.

6. Fuel lines and pumps will not be allowed in the driving compartment.
7. All doors must be securely fastened by welding, metal strips or chains.
8. Doors opening during an event will automatically disqualify that automobile.
9. Batteries located within the driver compartment must have a suitable cover and be securely fastened.
10. All vehicles must be equipped with a securely installed safety belt.
11. Rear seats must be removed from a participating vehicle.
12. No vehicle emitting heavy smoke will be allowed to participate. A vehicle discharging heavy smoke after an event has started must be disqualified.

Drivers:

1. Participants in a demolition derby event shall be 17 years of age or older.
2. A participant must remain in the vehicle until the event has been completed.
3. All demolition derby drivers shall wear a properly secured, full face helmet with face shield, which meets or exceeds the Snell Memorial Foundation Testing Standard K, M or SA, incorporated herein by reference, as may be amended or supplemented, which has not reached the expiration date established by the Snell Memorial Foundation at the time of the event. The standards are available from the Snell Memorial Foundation, 3628 Madison Avenue, Suite 11, North Highlands, CA 95660.

The use of open face helmets and goggles is prohibited in demolition derby. A Nomex, or similar fire-resistant head sock is recommended to be worn in conjunction with the use of the full face helmet with shield.

4. All demolition derby participants shall wear a properly secured head and neck restraint device/system and/or a neck collar which are commercially-produced and designed for racing.
5. Drivers shall wear safety clothing to afford maximum protection to the driver according to industry standards. At a minimum, drivers shall wear long pants, long sleeve shirt and closed-toe shoes. Shorts and nylon clothing are prohibited. It is recommended that drivers wear a one piece fire resistant driving suit and fire resistant gloves.

Derby Arena

1. The demolition derby exhibition area shall be no more than 250 feet and of 100 feet deep.
2. The outer edge of the exhibition area shall be marked with poles or similar devices so as to contain the participating vehicles.
3. No one shall be allowed within this area except track officials and participants.
4. If mechanics or members of the press are allowed in the infield portion, a suitable fence shall be erected 50 feet from the outer edge of the exhibition area.
5. Spectators are prohibited within infield portions of the exhibition area unless protected by a fence of at least six feet in height erected no closer 50 feet from the outer edge of the exhibition area

Build Rules

- 1.** These rules are developed with the cost of car construction in mind. The cars are to be constructed according to the rules. If certain items are not specified, it doesn't mean it is legal. The judges' decision will be final, so call before you do something that you don't understand. The sport of demolition derbies has grown from a backyard fun activity, to a hardcore profession for some people. It is in our intent to keep the playing field fair so that local people can still compete and have fun.
- 2.** No 1973 or older Chrysler Imperials
- 3.** No modifications of motor, drive train, tires, bumpers, frame, rear end, drive shaft or any other part of the car may be made except as specified in these rules.

Body/ Frame:

- 1.** No stiffening or strengthening of the frame. No frame seam welding, no plating, and no filling of the frame or body of any kind, unless otherwise stated.
- 2.** No filling of factory holes in frame.
- 3.** All frames must remain OEM stock.
- 4.** Rusted or damaged frames may be repaired using a 3/16 metal plate that is no more than 4 inches wide. Only 6 (5/8 inch) bolts may be used to mount the plate to the frame. Plates should not exceed 2 inches past the rusted or damaged area.
- 5.** Frame notching and dimpling is allowed, but no re-welding or plating of notch.
- 6.** No bumper or frame mounted trailer hitches.

7. Factory firewall and floor pans must remain.
8. No frame swaps of any kind. Vehicle frame and body must match.
9. Any holes larger than 2" must be patched on fire wall using sheet metal and screws/bolts.
10. If factory floor boards are rusted out, they must be patched by similar sheet metal.
11. Cars may have bumpers swapped, but must be a car bumper. No truck, van or SUV bumpers.
12. Bumper shocks may be collapsed and welded or bolted.
13. Bumper seams may be welded to bumper mounts, but no additional kickers or bracing may be used to reinforce or strengthen the car..
14. Bumpers must be chained to car. During an event, any exposed bumper post may be grounds for disqualification at officials' discretion.
15. Bumpers may not be welded to the car. Bumpers may only be bolted or chained to car.
16. Bumpers may not be cut so as to leave sharp piercing ends.
17. All doors must be fastened shut by wire, straps, chains, or plates (bolted or welded). (maximum 3/16" thick plates not to exceed 4 inch square).
18. No welding of any other body seams.
19. Sheet metal repairs on pre ran cars may be made to drivers door only for safety reasons. Patches must be of a similar thickness as factory and may be bolted or stitch welded only. No solid welding.
20. Hood must have 12" diameter hole cut above carburetor.

- 21.** Hood must be removable and opened for inspection.
- 22.** Hood may be moved forward a maximum of 6" from factory position.
- 23.** If hood hinges are used, springs must be removed.
- 24.** Hood latches must be removed.
- 25.** Hood may have a maximum of 8 points of contact to car, unless hood is moved forward. If hood is moved forward, you may have a maximum of 6 points of contact. Points of contact are defined as points of attachment, whether bolts, all thread, chain, wire, or hinge.
- 26.** In the hood you are allowed 2 bolts not to exceed $\frac{3}{4}$ " inch in diameter to be placed thru the hood, front core support and frame. They may NOT be welded to the frame. They may be double nutted and you may not use washers bigger than 3 inches. These body mounts may be removed.
- 27.** Hoods skins may be bolted to inner skins, via no more than twenty (20) bolts, not to exceed $\frac{3}{8}$ " in size.
- 28.** Trunks may have a maximum of 6 points of contact.
- 29.** Trunk skins may be bolted to inner skins, via no more than ten (10) bolts, not to exceed $\frac{3}{8}$ " in size
- 30.** In the trunk you are allowed 2 bolts not to exceed $\frac{3}{4}$ " inch in diameter to be placed thru the trunk lid, trunk pan and frame. They may be double nutted and you may not use washers bigger than 3 inches. You may remove two rear body mounts and replace with these bolts. These bolts may not be welded to frame.

31. Trunks may be tucked or wedged. If wedged an inspection hole must be cut for inspection purposes. If officials cannot inspect to their satisfaction, holes may be cut for inspection purposes.
32. Prebending and creasing are permitted
33. All thread may be used in two points on hood and two points on trunk at your discretion. If used in trunk, it must be at least 12" forward of rear lip of trunk.
34. All thread must be no larger than 3/4".
35. All thread may pass through frame and serve as body mount.
36. Body mounts may be replaced with bolts or all thread, not to exceed 3/4" in diameter with a maximum 4" diameter washer in factory positions.

Engine/Drivetrain

1. Engine may be relocated within 4" of factory mounts, but #1 cylinder's spark plug may not be behind the centerline of front wheels.
2. No mid mount motor plates.
3. Fuel injection may be converted to carbureted
4. No distributor protectors or engine cradles.
5. Motor mounts may be welded, but may not add any reinforcement.
6. Motors and transmissions may be chained.
7. Transmission cross member may be relocated to accommodate different transmission models, but may not welded to frame.
8. Auxiliary transmission coolers are permitted, but must remain in engine compartment.

9. Aftermarket shifters permitted.
10. All Air conditioning systems must be drained of refrigerant.
11. Factory clutch fans must be removed. No metal fan blades will be permitted.
12. Electric fans with plastic blades may be used on radiator.
13. Cooling systems must be of factory style, no fabricated radiators. Ice Boxes shall be permitted as long as they do not add any reinforcement.
14. No welding of radiator support.
15. No auxiliary water tanks.
16. Engine must have an air cleaner attached at all times.
17. No ether, or starting fluids permitted.
18. All cooling systems must be contained to engine compartment.
19. Radiators must remain in original position or taken off.
20. Radiators and cooling systems must be flushed of anti-freeze and only water added.
21. Exhaust may exit through hood. If using headers through hood, exhaust must be directed up and not forward. Must end at least at least 6" above valve cover. For fire safety reasons.
22. Rear ends may be welded posi.

Fuel

1. Gasoline or diesel fuel only. No methanol permitted.
2. No more than 5 gallons of fuel permitted.
3. All factory fuel tanks must be removed.

- 4. No plastic fuel tanks permitted.**
5. Fuel tanks must be mounted in area vacated by rear seat.
6. Fuel tanks must be covered by metal box of some type.
7. Electric fuel pumps may be used, but must be contained within fuel tank box or fuel tank.
8. Electric fuel pump shut off must be clearly marked in fluorescent orange, and be accessible from outside of vehicle.
9. Fuel lines within driver's compartment must be contained within fuel tank box, or pass through a metal pipe or conduit leading to where it exits driver's compartment. Fuel lines within the drivers compartment must be constructed of metal (Copper, Steel, etc) tubing or be stainless steel braided. No rubber fuel lines may pass through driver's compartment.

Wheels/Tires/Suspension

1. Factory suspension only.
2. Suspension must function and have a minimum of 2" of travel.
3. Air shocks are permitted.
4. No leaf spring conversions permitted.
5. A maximum of 4 clamps may be used on leaf sprung cars. (2 in front of axle and 2 behind)
6. Wire, clamps, or welding may be utilized to hold coil springs in.
7. All cars must have functioning brakes.

8. Tires must be DOT rated tires. No “ “Skid Steer”, “tractor”, Chevron, or Paddle tires.
9. Valve stem protectors are permitted.
10. Tires must be pneumatic, and filled with air. No foam or water filled tires.
11. Tubes are permitted.
12. No studded tires.
13. Wheel weights must be removed.

Batteries

1. Batteries must be relocated to front passenger side floor board.
2. Batteries must be securely secured, and covered in a nonconductive material.
3. Batteries may be within a metal box.
4. Maximum of two 12 volt batteries.
5. Batteries must be secured by metal strapping, bolts, or chains. No ratchet straps or bungee cords permitted.

Safety

1. Driver's door may have protection on exterior of car, not to exceed 4" past driver's door seams. Protection may consist of Box steel, "C Channel", etc... The exterior driver's protection bar may not reinforce car in any way and may be bolted or welded to the car.

2. Driver's door must be painted white or fluorescent contrasting color to paint scheme. No other doors may be painted this way.
3. Seat braces are permitted provided they do not strengthen or reinforce car.
4. Halo cages are permitted, but must not be connected to the frame. Maximum of 1 dash bar, 1 seat bar, and one door bar per side. Maximum of two down bars to be tied into floor board (welded or bolted) at the seat bar and may extend out over the roof for rollover protection. Drivers side door bar must be padded. Door bars may not extend past A or B post on Two Door, or A or C Post on Four Door. If a car has no B post the door bars may extend to rear roof post. See Diagram.
5. All drivers must wear a commercially manufactured neck brace/support.
6. All cars must have a functioning driver's seat belt.
7. A securely mounted fire extinguisher is recommended, but not mandatory.
8. All drivers must wear long sleeves, long pants, closed toe shoes, approved helmet and gloves.
9. No Deliberate driver's door hits. Any intentional or repeat driver's door hits will be grounds for immediate disqualification from heat. This will be strictly enforced.
10. If windshield is removed you must have at least one bar or chain running from roof to cowl to prevent hood from coming into drivers compartment.

General Rules:

1. Format will be as follows:
 - a. Heats

b. Consolation

c. Feature

2. Number of cars transferring to feature from heats and consolation will depend on car count.
3. Depending on car counts, compact cars will run feature only, or regular format.
4. All drivers will have 60 seconds to make an aggressive hit or restart stalled cars.
5. No sandbagging or team driving. Drivers deemed to be sandbagging or team driving will be given one warning. Drivers continuing to sandbag or team drive will be disqualified from heat, and cars will be marked as a sign to other drivers prior to entering another heat.
6. No intentional driver's door hits. Drivers will be given one warning.
7. Heat winners must drive the same car they qualified with in the feature. Once a driver is qualified, they may not enter another qualifying heat.
8. No passengers riding in or on derby cars at any time.
9. A 5 MPH speed limit will be enforced in the pit area.
10. All glass, trash, and debris must be cleaned from interior of car.
11. This is a family event, no obscene or vulgar language permitted in paint scheme.
12. All cars must be clearly numbered. A roof mounted number plate is suggested.
13. All cars must be on grounds one-hour before event to be inspected. Any cars arriving late will not be eligible to compete unless prior arrangements have been made.

14. Any unsportsmanlike conduct by the driver or the crew will cause your car to be disqualified. The judge's decision will be final.
15. No liquor or intoxicating beverages allowed in pit area. Possession of alcohol or drugs in pits by driver or crew will result in disqualification for your car.
16. Drivers meeting will be held before the event is to start, to explain rules and flags. Any car protest must be made at this time unless being made following the feature. All drivers must attend.
17. If a car is found illegal, no entries will be refunded. Cars should be brought legal. Not having a set of rules is not our fault. The fair board or promoter reserves the right to approve or reject any entries. Cars will be subject to inspection after the event.

Inspection Process:

1. All entries shall go through pre race inspection.
2. Drivers and one representative shall be the only team members present with the car during inspection.
3. Hood must be opened during inspection.
4. Cars must demonstrate a functional braking system.
5. Your car will be inspected from top to bottom. Be prepared to answer questions.
6. Helmet, goggles, gloves, shirt, and neck brace shall be inspected
7. Once inspected, all cars must line up and may not return to pit area.

- 8.** Top three cars in feature will be re inspected following event. Those found illegal will be disqualified and forfeit winnings from entire night
- 9.** Upon inspection, a stick will be affixed to your car. Once you are out please break your stick.
- 10.** Protests may only be made by a driver. Protest fee will be \$100. If the car protested fails re inspection, the protestor will be refunded the \$100. Should the car prove legal, the \$100 protest fee will be split between the protested driver and the fair board.