

## 2024 Fullsize Rules

# ONTARIO

## Demolition Derby

### Eligible Drivers

Drivers must be 18 years old, or older, and have a driver's licence (G1 and G2 are acceptable)

### Eligible Vehicles

#### Full Size Car

a) Any 1970 or newer 2WD hard top automobile with a wheelbase of **113" or greater with a V8 or 6 Cyl**

#### (Official Discretion)

b) No checkered cabs, Chrysler Imperials, hearses, limousines, jeeps, vans, trucks or El Camino Style vehicles

### Driver & Pit Crew Rules

1. All Drivers, Mechanics, and Vehicles shall report to the registration desk **preferably** two hours before the start of the event
2. Paid entry allows only one driver and one tow vehicle into the pit area
3. Each driver must attend the drivers meeting, held approximately 30 minutes before the scheduled start time of the competition
4. Recommended over 13 years old in pits. All children under 13 years old must remain at their trailer in between heats or while vehicle's are moving and must be with their guardian at all times. Driver may and can be disqualified if rule not followed.
5. Drivers/Crew Members between 16 and 17 years of age must have a parent and/or guardian present when registering to sign a parental consent form, and the parent and/or guardian must be present throughout the duration of the event.
6. Aggressive driving is limited to the track during the race. It will not be tolerated in the pit area
7. All Drivers and crew are required to sign a release form prior to the race or they will not be admitted to the pit area
8. There is **ZERO TOLERANCE** for the use of any alcohol or drugs prior to or during the race.
9. Ontario Demolition Derby reserves the right to disqualify or refuse any entry, or otherwise disqualify or eject any participant, crew member or team whose actions impede the progress, enjoyment or efficiency of the event
10. Only the driver of the competing car is allowed on the track after the heats / features without track official permission
11. Ontario Demolition Derby provides Participant Liability Insurance, however personal property and equipment is the responsibility of the owner

### Equipment & Driving Rules

1. All drivers must be equipped with helmets, safety glasses, a seatbelt and a fire extinguisher within reach of the driver and track officials
2. All drivers must be wearing acceptable attire to participate (no shorts, no tank tops)
3. Vehicles must have adequate brakes. The driver must have control of his vehicle at all times
4. No deliberate or aggressive driver door hits will be tolerated
5. If using metal fan blades and the hood of the car comes open the driver will be disqualified
6. 1 fire rule. Official's discretion
7. If any door comes open while participating, that car and driver will be disqualified
8. A driver that is not making or attempting to make competitive contact with other active participants will be disqualified. You have 45 seconds. **NO SANDBAGGING.**
9. It is the driver's responsibility to be aware of and obey the track officials at all times. Failure to do so will result in disqualification
10. A heat winner or runner-up that qualifies for a feature event must drive the same vehicle in the feature race (if applicable)
11. No driver substitutions are allowed
12. No Block Rule.

## 2024 Fullsize Rules

### Tire Regulations

- Tires for car events must be P-Rated, or marked as Load Range "B", no larger than 235/15, and cannot have a snow-type lug on the outside of the tire. If a tire is deemed to be too aggressive officials may rule modification or replacement.
- Tires with shaved down lugs are acceptable
- Wheel weights must be removed from the drive wheels
- Double tires are permitted
- Liquid filled tires, studded tires or external liners (additional side walls) are not permitted
- No welded valve stem protectors
- Wheel centres may be modified, but only 14", 15" or 16" wheels are permitted
- Rally style tires allowed
- Solid Tires allowed on Non-Drive Tires
- Tire tread may be cut
- No skid steer or fork lift style (May be allowed depending on track condition)

### Welding

#### **Welding is permitted only in the following areas and is strictly enforced:**

- A post-to-post bar may be welded into the driver's compartment for driver safety (see Post to Post Bars)
- A dash bar may be welded into the driver's compartment (see Post to Post Bars)
- Motor mounts may be welded to the cross member (cradle) - excessive material use / welding may result in disqualification
- Differential may be welded
- Front and rear bumpers may be welded on (see Bumpers)
- Doors, under very strict limitations (See Door Rule Below)
- Repairs to broken, severely rusted, or bent frames are allowed but must follow the below criteria:
  - a. Frames can only be repaired using 4"x4" plate, with a maximum thickness of 3/16" Contact ODD if a larger frame repair is required.
  - b. Frames can only be repaired on 2 sides (No boxing, No 3-sided repairs) MAX Total of 8 Repair Plates )Rotten frame repairs do not count, must show proof of rotten frame)
  - c. All repairs must be painted orange, and disclosed to officials during tech inspection
  - d. A repair is only acceptable if a defect is still visible, otherwise it will be removed
- Broken or bent tie rods, can be repaired using ONLY flat steel or angle, CAN NOT be sleeved. Must be able to see bend/break
- Bumpers may be seam welded, no additional material added.

# 2024 Fullsize Rules

## Vehicle Specific Preparation Rules

### Air Bags

REMOVE ALL AIR BAGS, if an airbag goes off and a track official suspects any injury the car may be disqualified  
The Air bag material may be used as covers for batteries and gas tanks

### Numbering

- The front driver door must be painted White
- Both Front doors must be numbered for identification (passenger door may also be painted white)

### Vehicle Interior & Exterior

- All glass, decorative mouldings, accessories and trailer hitches must be removed, and the vehicle must be swept clean of any debris
- Rear seats, airbags and flammable material must be removed, with the exception of the front seat(s) and dash
- Sunroofs MUST be covered with a solid cover; strong steel mesh is acceptable
- Plastic bumper covers must be removed before entering the ring

### Headers

- Exhaust manifolds may be flipped upward, or alternatively, custom headers may be used

### Batteries

- Only one 12V automobile battery is permitted and must be secured in front passenger area
- The battery will require a non-flammable cover to be secured after the inspection

### Drive Train

- Any combination of engine, transmission and rear ends is acceptable (rear ends must be 5/6 bolt half ton, 1970 or newer)
  - No engine, Differential or Distributor protectors
- A lower engine bracket may be used to help mount the motor (no harmonic balancer protector is allowed)
- Motor mounts may be welded to the cross member (cradle)
- Differential may be welded
- Excessive material use / welding may result in disqualification
- Slider shafts are allowed
- Pinion Brakes allowed
- Lower bell housing protector may be added. Can only be attached at the lower bell housing bolts to transmission pan bolts.
- Axle protectors allowed on STOCK rearends only. Spacer may be welded or bolted to the backing plate. See picture below
- Watts link Conversions Allowed. No reinforcing. Suspension must move still.

## 2024 Fullsize Rules

### Body Mounts

- Front 2 rad cradle mount bolts and 2 rear mount bolts (Bottom of humps back) may be replaced with threaded rod (max 3/4"), that extends through the hood/trunk and counts as a hood and trunk tie down.
- Rad Cradle threaded rod may be sleeved. MAX 2in, may be welded to body mount bracket
- Rad Cradle Mounts may be replace with a maximum 3in high spacer

### FRAME WRAPS

- Alternative to using rear threaded rod you may tie the trunk floor to the frame using strap/wire/belt in 2 spots per frame side behind the rear humps (**CAN NOT** do if using threaded rod in the rear most mount)
- Wraps may not exceed 3" in width

### Doors Hood & Trunk Fastening

- Can be fastened down in a Max 6 spots per door using straps, wire, 3/8" bolts or 1/4" chain or 2x3 plates (overuse of material is at the official's discretion)
- **B Pillar seam counts for one spot on both, the front and rear door.**
- **Front and rear threaded rod count as fasteners**
- Hoods may be moved forward and bent forward but only to the top of the bumper and no further, **CAN NOT** be welded to bumper
- Hood can be wired to the bumper, these will count towards your hood tie downs
- Trunks may be removed or bent in, but can NOT be bolted to the truck floor. Rear window deck must remain.
- Wire/straps may be wrapped through the doors and around the frame (**Overuse of material is at the official's discretion and will be strictly enforced, counts towards your 6 spots**)
- Rad cradle can be wired to the bumper MAX 4 Spots. If they go through the hood, they will count towards your hood hold downs.
- Must have a 6x6 opening in the hood. You may bolt the inner skin of your hood, ONLY around and within 2 inches of the fire inspection hole

### Frames

- Frames may not be altered in any way including peening or, and may not be painted / undercoated
- Crash box tabs may not be altered, bent in, or in any way modified
- Frames humps may not be altered or modified (including bolting or pounding in the centre of the hump)
- Notching or cutting frame rails is permitted (Intentional Cuts may not be plated)
- Intentional Cuts may not be plated, unless a frame section has fully detached
- See Welding for Frame Repairs limits

### Fenders & Body Panels

- No bolting body panels
- No cutting body panels(on fresh cars)
- No pre-bending body panels in front of the C Pillars
- Speaker deck cannot in anyway be connected or fastened to any other part of the vehicle

## 2024 Fullsize Rules

### Front/Rear Window Bar

- A bar, chain, 'A' or 'H' must be placed in front of the driver (from roof to cowl), Must be in front of driver 'A' and 'H' Bar no wider than 24 inches
- If there is no Gas Tank Protector, a Rear Window Bar is allowed MAX 2x2
- Rear Window Bar may only connect from the roof to the speaker deck/trunk using 4"x4" plate. If attached to the trunk lid in any way, this will count as a tie down.

### Bumpers (1970 or newer allowed, car bumpers only)

- Bumper ends may be bent in, but cannot be cut off
- Front bumpers must be welded, chained (1/4" chain), wired or bolted to the frame to prevent them from falling off
- Hardnosing the bumper is allowed.
- You may seam weld your bumper
- MAX 3x4x6 Angle, no gussets.
- If bumper ends are welded close, an inspection hole 3/4in must be drilled
- No additional material can be added to bumper when seam welding
- 4x4 OR 2x6 Square Tubing Allowed. MAX 3/8 Thickness. No wider than the centre of front tires. Ends must be cut at 45 degrees and capped. No stuffing, You may be asked to drill an inspection hole if suspected of stuffing. Can be covered with bumper skin. Wired or welded on.

### Door Plate - Drivers door protection is MANDATORY

- Driver's door must be reinforced with a flat bar, a plate on the outside of the door or a plate stuffed inside the door.
- Outside Plate can not extend more than 12 inches past the driver side middle door seam(4 door)
- Passenger side door cannot be plated

### Suspension & Steering

- No blocking.
- Must appear, and function as original
- Upper / lower control arms brackets and spindles may be swapped out from different years of the same make. MUST be bolted on, in a stock manner.
- Bolt in engine cradles are allowed
- Rear control arms must be stock for the year / model, unless converting watts link (Stock material)
- Steering shaft which may be modified to prevent breaking or jamming
- Coil springs must be wired or clapped in to prevent them from falling out.
- Tie rods may be reinforced with Angle Only
- No adding additional leaf springs, can not wrap or clap leaf springs
- Can not convert coil spring to leaf spring

### Post-to-Post Bars (PTP)

- You may run a PTP bar (max 4") that is connected to the B Pillars, 2 uprights or threaded rod may be connected from the floor to the PTP. You may add one vertical bar behind the driver
- You may run a PTP bar (max 4") that is connected to the B Pillars with 2 vertical bars running up from PTP and over the roof. Roof bar must be bolted to the roof in 2 places. Vertical bars can be attached to the floor rear passenger area
- A Dash Bar (Min 3" to Max 4" square tubing) may be mounted from the Drivers A-Pillar to Passenger A-Pillar, can not be attached to firewall
- A bar may be added to the passenger side, connecting the PTP and the dash bar. This bar must be mounted on the inside of the Pillars, can not be attached or touch inner door skin.
- NO down bars from dash bar to frame/floor

**(Overuse of material is at the official's discretion and will be strictly enforced)**

## 2024 Fullsize Rules

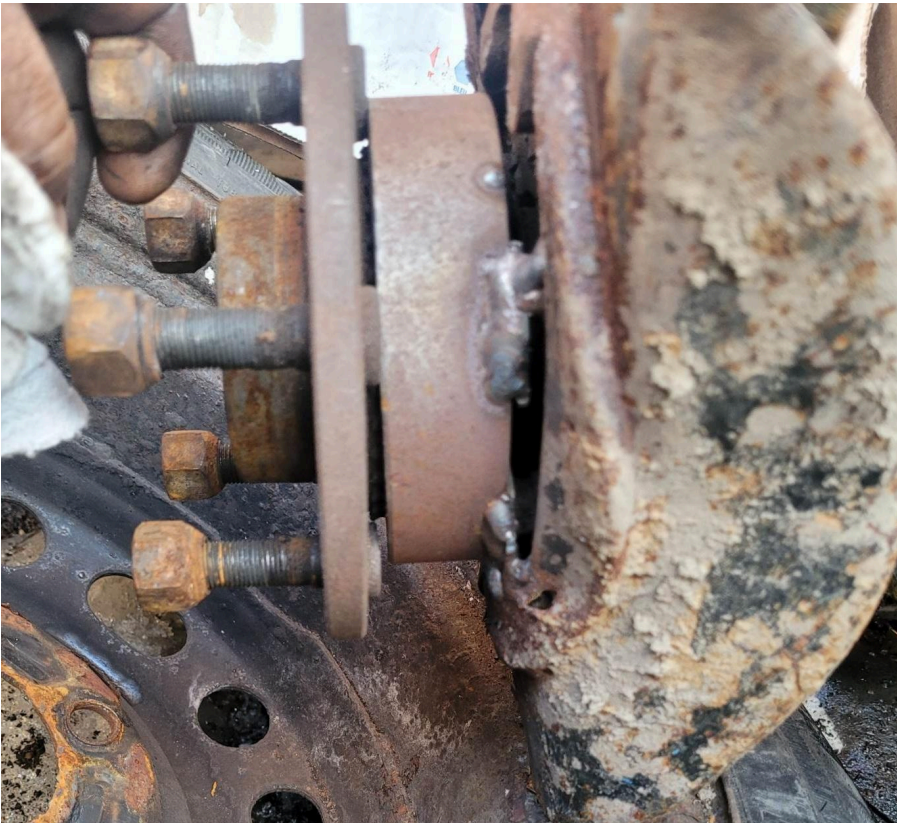
### Gas Tanks

- NO ORIGINAL MANUFACTURERS TANKS
- The stock gas tank must be removed
- CSA approved tank, fuel cell or custom fuel cell, which must be securely mounted in the centre of the rear passenger's compartment
- Min TWO 2in ratchet straps may be used, hole in floor MUST be 4in, body steel MUST be folded over to prevent strap from being cut
- MUST use MIN 1.5 inch washers if using bolts
- **NO SELF TAPERS ALLOWED**
- All tanks require a non-flammable cover to be secured after inspection. (AIR BAG MATERIAL IS HIGHLY RECOMMENDED)
- Metal tanks are strongly recommended, but CSA rated plastic boat tanks are acceptable. A plastic tank MUST be in a frame/holder.

### Tank protectors

- Must be reasonably centred in the rear passenger area of the car, cannot be wider than 26" (outside measurement) and fastened securely to the floor, CAN NOT be attached or touching PTP, Must be 2 inches away
- If connected to a post to post, the protector must be at least 2" from the unaltered rear sill or any sheet metal and only fastened securely to post-to-post bar
- If there is no Gas Tank Protector, a rear window bar is permitted, (maximum 2" square tubing) (See Front/Rear Window Bar Rule Above)
- (Overuse of material is at the official's discretion and will be strictly enforced)**

### Axle Protector on a STOCK rear end



## 2024 Fullsize Rules

### Protesting

If a driver believes that another participant is cheating, they must approach an official within 15 minutes after the heat or feature. They must also present a \$100.00 protesting fee. If the car in question is determined to be cheating by the protest fee will be returned.

### Disclaimer

**ONTARIO DEMOLITION DERBY has the right to re-inspect / cut/ or drill and vehicle HAVE THE RIGHT TO RE-INSPECT / CUT / OR DRILL ANY VEHICLE AT ANY TIME FAILURE TO PASS TECH WILL RESULT IN DISQUALIFICATION AND/OR FORFEIT ANY AND ALL WINNINGS \*\* If there are any questions about the spirit or interpretation of the rules please call ONTARIO DEMOLITION DERBY \*\* Vehicles deemed too small, to damaged or unsafe for their class by officials will not be allowed to participate \*\* Any equipment or fabrication deemed unsafe, over built or inadequate by officials will not be allowed to participate \*\* Any additional modifications not listed below can be deemed illegal, and may result in immediate disqualification \*\* Absolutely any unauthorised welding or unauthorised modifications found on a competition vehicle before, during or after \*\* Refer to website for exact classes at each event**