

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

vehicles

*** Vehicles deemed too 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 * Refer to website for exact classes at each event**

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, one mechanic, 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. No persons under 16 years of age are allowed in the pit or track area prior to, during, or after the race.
5. Crew 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
12. **Driver is responsible for the actions of their pit crew members**

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, short sleeves, or 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 competitive contact with other active participants will be disqualified. **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.

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
- No solid tires, liquid filled tires or studded tires will be permitted and no 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
- Tire tread may be cut
- No skid steer or fork lift style

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 to the brackets **OR** frame, but under very strict limitations (see Bumpers)
- Doors, under very strict limitations

2023 Fullsize Rules

Welding Continued

- 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 4 repairs per frame rail**
 - 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.

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

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 to the floor of the 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

2023 Fullsize Rules

- Excessive material use / welding may result in disqualification
- Slider shafts are 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 backing plate. See picture below
- Watts link - Can not alter lower brackets on rearend housing

Body Mounts

- Body mounts (bolts, washers or rubber spacers) may not be altered in any way,
- Front 2 rad cradle mount bolts and 2 rear most mount bolts may be replaced with threaded rod (max 3/4"), that extends through the hood and trunk and counts as hood and trunk hold downs.
- For the front and rear threaded rod replacements, the stock spacers and rubber bushings may be replaced with a single hockey puck
- The front rad cradle rubber mount may be replaced by a spacer of a maximum 3" , Can NOT be welded to frame)

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 each, using straps, wire, 3/8" bolts or 1/4" chain (overuse of material is at the official's discretion) **OR weld 2 - 2x3 plates (Size of a Bank Card) or 1 - 2x6 plates per door seam. Welds count towards the 6 spots**
- **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.
- 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

2023 Fullsize Rules

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
- Pre-bending is only permitted on the trunk lid, Trunk sides, **NOT** speaker deck
- Speaker deck cannot in anyway be connected or fastened to any other part of the vehicle

Window Bar

- A single or flat plate must be placed in front of the driver (from roof to cowl), Must be straight up and down 18" from the driver side door post
- If there is no Gas Tank Protector, a Rear Window Bar may only connect from the roof to the speaker deck/trunk seam.
- Rear Window Bar may only connect to the roof and speaker deck/trunk using 4"x4" plate. If attached to the trunk seam, this will count as a tie down.

Bumpers (1970 or newer allowed)

- 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 in 2 places to prevent them from falling off
- **Max welded on 4 sides (MAX 2x2 angle as filler)** and **ONE 2x6** plate, You may hard nose the bumper to frame rails.
- Bumper make or model can come from any year of car.
- You may seam weld your bumper, but can not crush the skins
- 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

Door Plate

- It is recommended that the driver's door is reinforced with a 72" flat bar or plate on the outside of the door. The bar or plate should be atleast wider than 18", and may not extend beyond the rear driver side door seam (official's discretion will determine overuse of materials)
- The plate can be mounted using a maximum of 6 bolts (no welding)
- **It is Important that the driver's door interior be stuffed**
- Passenger side door cannot be plated or reinforced

Suspension & Steering

- All suspension must be stock, no blocking. It 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 (Watts link cannot be converted to a 4 point late model system)
- Steering must remain stock with the exception of the steering shaft which may be modified to prevent breaking or jamming
- Rear upper watts link can be replaced with 2"x2" tubing OR with 7/8th rod OR 2" plate welded to upper watts link pieced, as long as suspension still moves in a stock like manor
- **Coil springs must be wired or clapped in to prevent them from falling out.**

2023 Fullsize Rules

Post-to-Post Bars (PTP)

-Without roof bar - 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

- With Roof Bar - 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. This system must be Min 12" from the floor and can not be connected to the floor.

- A Dash Bar (Min 3" to Max 4" square tubing) may be mounted to 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 a Min 12 inches in from the passenger side B-Pillar

-NO down bars from dash bar to frame/floor

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

Gas Tanks

- NO ORIGINAL MANUFACTURERS TANKS

- The stock gas tank must be removed and replaced with a CSA approved tank, fuel cell or custom fuel cell, which must be securely mounted in the rear passenger's compartment centred in vehicle

-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 PERMITTED**

- 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 have a thick rubber mat under it.

Tank protectors

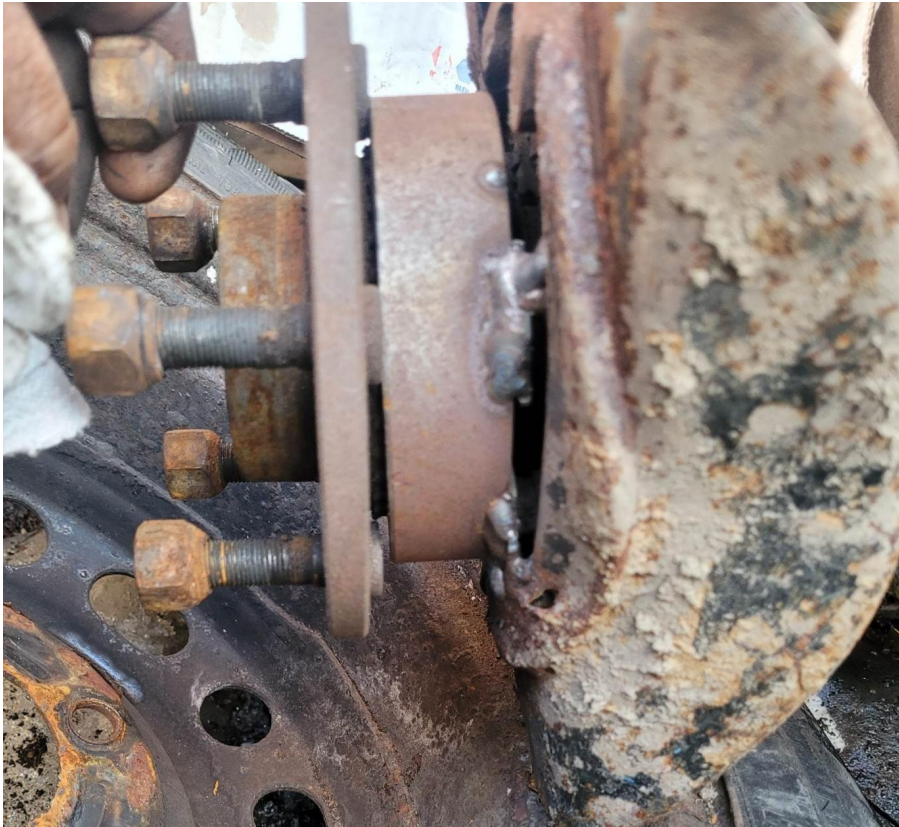
- Must be reasonably centred in the rear passenger area of the car, cannot be wider than 26" (outside measurement) and fastened securely to the floor, **CAN NOT be attached or touching PTP**

-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) must not come within 6" of a halo bar, may only connect to the roof and speaker deck/trunk seam, max 4x4 plate.

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

Axle Protector on a STOCK rear end



Protesting

If a driver believes that another participant is cheating, he/she must approach an official within 15 minutes after the heat or feature. He/she must also present a \$50.00 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