

ONTARIO

Demolition Derby

Eligible Drivers

1. Drivers must be minimum 18 years old, or older, and have a driver's licence (G1 and G2 are acceptable)
2. Drivers 16 to 18 years old and have a driver's licence (G1 and G2 are acceptable) may participate in Mini Size/Figure 8/Demo-X/Specified special events * **Drivers 16 & 17 years of age must provide a parental consent form and have a parent or guardian onsite**

Class's

Eligible Vehicles

- a) Any 1980 or newer 2WD passenger car with a 4-cylinder or 6-cylinder engine, with a wheelbase of **106.5" or less**
- b) No All-wheel drive vehicles(Drive Shaft must be removed), hearses, limousines, jeeps, vans or trucks
- c) NO 92 and newer Toyota Camry(Wide Body) or any other full subframe Toyota/Lexus product (camry, solara, es300, Avalon etc)
- d) If your car is determined to be over built, you will move up to Midsized.

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. .

Welding

No Welding unless specified

Tire Regulations

- Tires for car events must be P-Rated, cannot have large lugs on the outside of the tire. If a tire is deemed to be too aggressive officials may rule is required modification or replacement
- Tires with removed lugs is acceptable
- Wheel weights must be removed from both drive and non-drive wheels
- Double tires are permitted
- No solid tires, No liquid filled tires, No studded tires and No external liners (additional side walls) allowed
- No welded valve stem protectors
- **No skidsteer or forklift style tires**

Vehicle 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 **IS HIGHLY RECOMMEND** be used as covers for batteries and gas tanks

Engines & Drive Train – Engines, engine components, transmissions and drivetrain are interchangeable between makes and models, however all replacement parts must come from eligible models

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

2023 Mini Rules

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

Motor Mounts – It is recommended that mounts are chained to the cross member. Most not strengthen your vehicle

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

Gas Tanks

– NO ORIGINAL MANUFACTURERS TANKS ARE PERMITTED

– The stock gas tank must be removed and replaced with a CSA approved tank or fuel cell (or an equivalent alternative) which must be securely mounted in the rear passenger's compartment centred in vehicle

- Min TWO 2in ratchet straps may be used, 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. (AIRBAG MATERIAL RECOMMENDED, Each vehicle comes with a minimum of 2 air bags)

- Metal tanks are strongly recommended, but CSA rated plastic boat tanks are acceptable

Electric Fuel Pumps

– Electric fuel pumps are permitted but must have a functioning shut-off switch (stock column ignition acceptable). The switch must be clearly marked, and located either on the dash area in front of the driver, or on the roof directly above the driver

Radiators

– Coolant must be flushed out and replaced with water

– Radiators are not mandatory and can be bypassed or removed, if kept then the rad must remain in its stock position.

Transmission Coolers

– Stock Transmission coolers may be used, must be mounted within the engine compartment

2023 Mini Rules

Body Mounts

- Stock body mounts (bolts, washers, rubber and metal spacers) may not be removed or altered
- If a repair is necessary max 3/8" bolt/rod and max 3" washers may be used
- Front most body mounts (1 per side) can be replaced using threaded rod (maximum thickness 3/4") washer max 3" (Can not run from engine cradle to frame)
- No threaded rod in trunk

Doors Trunk Hood & Tailgate Fastening

- Doors, trunk and Tailgates must be fastened shut in a maximum of 6 spots each, using straps, wire, 1/4" chain or 3/8" bolt with max 3" washers, welded 2x3 plate
- **The B-Pillar seam counts for one spot on both the front and back door.**
- Driver's door can be seam welded
- A minimum 6" hole must be cut in the centre of the hood. **NO bolts allowed around opening**
- If running an electric fan, or no fan, then the hood can be removed completely
- Hoods may be folded down over the front of the rad cradle but may not extend below the top of the bumper.
- Front Body Mounts can extend up through the Hood (**can not be attached to the engine cradle**) and will be counted as fastening spots (see **Body Mounts**)
- Officials may ask to have your hood opened during inspection or any point through the show

Frames

- Rear Frames can be cut to assist in bending.
- **No Shortening of frame**
- **Repairs - 4 Patches total. Max 4x4 plates. 2 sided**

Fenders & Body Panels

- Cutting / pre-bending fenders or body panels is permitted, However fenders may not be bolted
- You may bolt the inner skin of your hood, ONLY around and within 2 inches of the fire inspection hole

Bumpers

- Only original steel bumpers, mini van or crown vic rebar bumpers allowed. **NO ALUMINIUM BUMPERS**
- Bumpers ends may NOT be cut (ends can be bent in)
- Both front and rear bumpers **MUST** be chained (1/4" chain), wired or bolted to the body, in a max of 4 spots, to prevent them from falling off and becoming a hazard on the track
- **The front Bumper may have one bead of weld between the bumper and frame.**
- **ONE 2x6 plate may be welded on bumper to fasten it to frame**
- Any chain or wire that connects to the hood or trunk will be counted as a fastened spot.

Gas Tank Protector(GTP)

- If you Have a gas tank Protector you may not run a Rear Window Bar
- GTP must be reasonably centred in the rear passenger area of the car, cannot be wider than 26"
- If GTP is fastened to the floor there must be 2" from Post to Post bars.
- If GTP is connected to a post to post the protector must be at least 2" from the unaltered rear sill or any sheet metal and be fastened securely to post to post bar

2023 Mini Rules

Window Bars

- A single bar or flat plate must be placed in front of the driver from roof to cowl
- A and H frames are also acceptable (No O or U frames) must be placed in front of the driver from roof to cowl
- 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 or the seam between the trunk and speaker deck area, this counts as a fastened spot and may not fasten to trunk in any other way and cannot fasten to any other part of the car (Bolted ONLY)

Post-to-Post Bars (PTP)

- You may run a PTP bar (max 4") that is connected to the B Pillars, 2 uprights may run from floor to the PTP
- PTP must be a minimum of 12in up from the floor.
- You may run ONE bar behind the driver for rollover protection
- Dash Bar is allowed, can not be attached to the firewall
- Passenger Side Bar allowed. Must be a Min 8" in from the passenger B-Piler

-Driver's door interior may and should be stuffed from top to bottom for you protection

- A driver's front door may have a Bar or plate that runs from PTP to Dash Bar.

NO LIMIT ON DRIVERS DOOR PROTECTION

- Over built, unsafely built or bars that break lose during event can result in immediate disqualification

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

Door Plate and Protection

- It is recommended that the driver's door is reinforced with a flat bar or plate on the outside of the door. The bar or plate may not extend beyond 60" in length and should be from window to rocker

Suspension

- Suspension components may be changed among vehicles, but must be stock and remain in original working order
- NO blocking, welding or stuffing suspension or struts and no adding, welding clamping of leaf springs

STRUT GUARDS (FWD ONLY)

MAXIMUM of 2"x2", 6" long square tubing may be welded horizontally to the frame between shock and frame

A-ARM BAR Plate(FWD ONLY)

- A 3" x 3/8" single flat bar may be attached from the driver's side Lower A-Arm to the passenger's side Lower A-Arm
- Flat plate can only be attached to the A-Arms with weld and or Bolted, Can NOT be attached to the engine cross member
- Suspension MUST remain original with minimal effect on ride height
- **BOLTED Only**

The intent of these modifications is to bring otherwise unusable vehicles into contention to provide more and often cheaper vehicle choices for the sport. More sought after and often more expensive derby vehicles are either not eligible or do not benefit from modifications by design

2023 Mini Rules

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, the protest fee will be returned.

Disclaimer ONTARIO DEMOLITION DERBY 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