

Eligible Drivers

Recommended for drivers 18 years and older., **Drivers 16 & 17 years of age must provide a parental consent form and have a parent or guardian onsite**

Eligible Vehicles

Any 1980 or newer 2WD passenger car with a 4-cylinder or 6-cylinder engine, with a wheelbase between **100” to 113”**

All-wheel drive vehicles must be converted to 2wd

No Hearses, limousines, jeeps, vans or trucks

Driver & Pit Crew Rules

1. All Drivers, Mechanics, and Vehicles should 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 digital 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 ****Motocross style visors are not recommended****
2. All drivers should be wearing acceptable attire to participate (no shorts 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 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 allowed
12. No Block Rule
13. No holding

Tire Regulations

P-Rated Tires, cannot have a snow-type lug on the outside of the tire. If a tire is deemed to be too aggressive, the tire will require modification or replacement

Tires with removed lugs is acceptable

Wheel weights must be removed from both drive and non-drive wheels

Doubled P Rated tires are permitted

No liquid filled tires or studded tires will be permitted and no external liners (additional side walls) are not permitted

No welded valve stem protectors

4 ply skid steers only are allowed. Air Filled. No Double skid steers

Solid tires are only allowed on NON-Drive tires.

Tire tread may be cut

Rally Tires Allowed

Welding

Welding is allowed in the following areas only, and is strictly enforced:

Bumper may be seamed to the frame and 2 plates/angle per frame (3"x6" by 3/8") may be added from bumper to frame (gap may be filled)

Bumpers may be spot welded closed, 2in space between welds.

Doors and trunks may be welded in only 6 spots on each door and trunk each using **10 SQ IN** plates, with a maximum thickness of 3/16"

Repairs to broken, severely rusted, or bent frames are allowed but must follow the below criteria:

Frames can only be repaired using 4"x4" plate, with a maximum thickness of 3/16"

Frames can only be repaired on 2 sides (No boxing, No 3-sided repairs) Max of 8 plates total

Frame plates must have 1 inch gap between plates

All repairs must be painted orange, and disclosed to officials during tech inspection

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 bar,

CAN NOT be sleeved. Must be able to see the bend/break

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 at least 50% 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

Motor Mounts

It is recommended that mounts are welded to the cross member (Chained is acceptable) Most not strengthen your vehicle

Wish bones may be replaced with MAX 2 in Square/Round Tubing, MAX 4 inch angle to mount wishbone

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 or in passenger seat

The battery will require a non-flammable cover to be secured after the inspection

Gas Tanks - ORIGINAL MANUFACTURERS TANKS ARE NOT ALLOWED

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 centre of the rear seat

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 ALLOWED

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

CSA rated plastic boat tanks are not recommended MUST BE MOUNTED IN A FRAME AND MUST USE AN INLINE PUMP, NO TANK MOUNTED PUMPS ALLOWED

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

Shifters

-Stock shifters can be removed and a replacement may be relocated

-Shifter protectors are allowed, **MUST NOT** be reinforcing the vehicle in any way.

Radiators - No aftermarket/custom screens allowed

-Coolant must be flushed out and replaced with water

-Radiators are not mandatory and can be bypassed or removed

Transmission Coolers

Transmission coolers may be used, but must be mounted either within the engine compartment or within the passenger compartment

If mounted in the passenger compartment, a 2500 psi hydraulic hose must be used, with pressed fittings, and the cooler must be covered with tin, aluminium, or a suitable barrier between the cooler and the driver. Also, holes must be cut in the floor below the cooler to disperse excess fluid

Body Mounts

- Front and rear most body mounts (bolts, washers, rubber and metal spacers) may be replaced with 3/4 thread rod, all others must remain stock
- If a repair is necessary max 3/8" bolt/rod and max 3" washers may be used
- 2 mounts (1 per side) added using threaded rod (maximum thickness 3/4") in front of front strut / suspension (must be vertical) washer max 3" (Can run from engine cradle to frame and through hood)
- 2 mounts (1 per side) can be replaced or added using threaded rod (maximum thickness 3/4") behind rear suspension (must be vertical) washer max 3"
- Subframe may be welded to rad support, NO PLATES

Doors Trunk Hood & Tailgate Fastening

- Doors, Hood, Trunk and Tailgates can be welded, or fastened shut in 6 spots each, using straps, wire, 1/4" chain or 3/8" bolt with max 3" washers
- **The B-Pillar seam counts for one spot on both the front and back door.**
- If welded, doors, trunk and tailgate may be welded in 6 spots only, using 3/16 plates no larger than **10 sq in** (Must have 4 inch gap between plates)
- Driver's door can be seam welded
- A minimum 6" hole must be cut in the centre of the hood
- 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. **(Can not be welded to the bumper)**
- Front and rear Body Mounts can extend up through the Hood and Trunk with 4" MAX Washers and will be counted as fastened spots (see **Body Mounts**)
- Officials may ask to have your hood opened during inspection or any point through the show
- You may bolt the inner skin of your hood, ONLY around and within 2 inches of the fire inspection hole MAX 6 bolts

Frames

- Frames can be cut, but may only be repaired as described above (see Welding), and may not be painted or undercoated
- You may repair a bent frame with a Pin.
- 2 plates on fresh cars

Fenders & Body Panels

- Cutting / pre-bending fenders or body panels is permitted, However fenders may not be bolted

Bumpers

- Any REBAR is Accepted (A rebar bumper is any metal bumper that is covered in a plastic outer skin)
- Mounting Steel bumper Open to anything within the first 6" of the original frame.
- Bumpers can be seam welded, and the ends may NOT be cut (ends can be bent in)
- Both front and rear bumpers should be chained (1/4" chain) or wired to the body to prevent them from falling off and becoming a hazard on the track in addition to being welded on (see above for Welding limitations)
- The front Bumper chain or wire **(NO WELDING to the hood)** can only be attached to the vehicle in 2 places

Bumper Continued

- The rear Bumper chain or wire can only be attached to the vehicle in 2 places from the bumper
- Any chain or wire that connects to the hood or trunk will be counted as a fastened spot.
- 2"x2" Tube (6"max length) allowed, YOU must drill an inspection hole at 6" on frame
- Can not be loaded
- No square tubing or custom or steel fullsize Bumpers

Aluminium Bumper mounting see picture below for recommendation on how to mount the bumper

Gas Tank Protector

- 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 any Halo or 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

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. Max width of 20 inches, bolted in 4 spots
- A rear window bar is permitted, (maximum 2" square tubing) which may only connect from the roof to the speaker deck (Max 4x4 plate) or the seam between the trunk and speaker deck area(Max 4x4 Plate), 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

Safety Bars

- A single roll bar may be bolted or welded to the body / frame behind the driver's seat, and can run up over the roof, and back down to the body / frame, with a Single Post-to-Post Bar in between (MAX 4" square tubing)
- A Dash Bar (Min 3" to Max 4" square tubing) may be mounted door frame to door frame, but not to firewall
- A Passenger Side Bar (Min 3" to Max 4" square tubing) from Post-to-Post to Dash Bar is permitted, Only connected to the inside of the A and B Pillar not the door skin.
- Passenger Door may be stuffed
- A Drivers Side Bar from Post-to-Post to Dash Bar is permitted. NO LIMIT ON VERTICAL WIDTH
- No kickers or down bars from the dash bar
- Over built, unsafely built or bars that break lose during event can result in immediate disqualification

-Top of Halo Bar can not flare out. Upright and roof bar must be 90 degrees.

Door Plate and Protection - Driver's door protection is MANDATORY .

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

2025 ODD Midsize Rules

Suspension

- Suspension components may be changed among vehicles, but must remain in original working order
- NO blocking, welding suspension or struts and no adding, welding clamping of leaf springs, Coil springs should be wired or clamped on.
- Rear trailing arms may be replaced with stock size diameter pipe.

STRUT GUARDS

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

A-ARM BAR Plate

- 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 be attached to the A-Arms with a bolt and washer or/and with a 2" weld., Can NOT be attached to the engine cross member
- Suspension MUST remain original with minimal effect on ride height

STEERING KNUCKLE BRACE

For ALUMINUM Steering Knuckles (Spindles) only

A brace may be fabricated out of flat plates welded together and flush to the knuckle can connect from the Cam bolts to the calliper mount bolt.

Interior Wire

You may add up to 6 strands of wire between the B-pillar and Rear Speaker Deck. Can not be attached to PTP. This may count towards your fastening count.

Aluminium Bumper Mounting



Protesting

If a driver believes that another participant is cheating, he/she must approach an official within 15 minutes after the final feature of the night. He/she must also present a \$100.00 protesting fee. If the car in question is determined to be cheating, 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