

# ONTARIO DEMOLITION DERBY



2012 CANADIAN INDOOR CHAMPIONSHIP  
PRO MODIFIED RULES AND REGULATIONS



## Disclaimer

**\*\* If there are any questions about the spirit or interpretation of the rules please call an ONTARIO official (listed below). Any additional modifications not listed below can be deemed illegal, and may result in immediate disqualification**

## Eligible Drivers

1. Drivers must be 19 years old, or older, at the time of the event, and have a driver's license

## Eligible Vehicles \*\* FRESH CARS ONLY

- a) Any 1979 or newer Ford or Chrysler hard top automobile or station wagon
  - b) Any 1977 or newer GM or Chevrolet hard top automobile or station wagon
  - c) Any midsize vehicle of any year
  - d) No checkered cabs, Chrysler Imperials, hearses, limousines, jeeps, vans or trucks
- \* Vehicles any smaller than midsize, or vehicles deemed unsafe for this class will not be allowed to participate**  
**\*\* Any vehicle in any class deemed unsafe by officials will not be allowed to participate**  
**\*\*\* VIN plates must remain on the vehicle and cannot be altered**

## Driver & Pit Crew Rules

1. All Drivers, Mechanics, and Vehicles must report to the registration desk by 9am on the day 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 prior to the scheduled start time of the competition
4. No persons under 19 years of age are allowed in the pit or track area prior to, during, or after the race.
5. Aggressive driving is limited to the track during the race. It will not be tolerated in the pit area
6. Once within the venue vehicles must not be started or moved without approval from the officiating staff
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

## Equipment & Driving Rules

1. All drivers must be equipped with helmets, safety glasses, a seatbelt and a fire extinguisher within reach of both 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, and 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. If a car catches fire while participating the driver will be immediately disqualified (2-3 second carburetor fires will be tolerated if it extinguishes without the assistance of a driver and/or official)
7. If a front driver 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. No driver substitutions are allowed

## Tire Regulations

1. Maximum 16" D.O.T., 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 is requires modification or replacement.
2. Wheel weights must be removed from both drive and non-drive wheels
3. Double tires are permitted
4. Solid tires, liquid filled tires or studded tires are not permitted

## Welding

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

1. Bumpers may be welded to the brackets, and the brackets may be welded to the frame
2. Bumpers may be seamed closed, but may be drilled for inspection (no loading bumpers)
3. Motor mounts, rear end gears and axle tubes may be welded
4. Doors and trunks may be welded in 6 spots each using 3"x3" plates, with a maximum thickness of 3/16
5. Repairs to broken, severely rusted, or bent frames are allowed but must follow the below criteria:
  - 5a. Frames can only be repaired using 4"x4" plate, with a maximum thickness of 3/16
  - 5b. Frames can only be repaired on 2 sides (No boxing, No 3-sided repairs)
  - 5c. A maximum of 8 repairs can be made to any frame
  - 5d. Crash box tabs (where the front frame meets the frame rails) may be bent in and welded
  - 5e. All repairs must be disclosed to officials during tech inspection (if found after tech the driver may be disqualified)

**\*\* Absolutely any unauthorized welding or unauthorized modifications found on a competition vehicle before, during or after the event may result in immediate disqualification, and forfeiting of any due prize money.**  
**If there are any questions or concerns regarding welding please call a listed official.**

## 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.

**For any questions regarding rules and/or events please call or-email:**

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## Vehicle Preparation Rules

**Numbering** - The front driver and passenger doors must be painted white for numbering and identification

### Vehicle Interior & Exterior

- All glass, decorative moldings and accessories (trailer hitches) must be removed, and the vehicle must be swept clean of any debris
- All seats, airbags and flammable material must be removed from the vehicle, with the exception of the front seat, inner door panels and dash)

**Suspension** – Suspension components may be changed among vehicles, but must remain in original working order

**Motor Mounts** – It is recommended that motors / motor mounts are chained or welded to the cross member (officials determine material overuse)

**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 within the passenger seat. The battery will require a non-flammable cover to be secured after the inspection

### Gas Tanks

- 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.
- All tanks require a non-flammable cover to be secured after inspection.
- **Tank protectors must be reasonably centered in the car, cannot be wider than 24", and must not touch the rear firewall of the vehicle**
- \*\* Tanks in poor condition, or those that have exposed necks may be deemed unsafe, resulting in disqualification**

**Electric Fuel Pumps** - Electric fuel pumps are permitted, but must have a functioning shut-off switch. 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 re-attached directly to the transmission

**Engines & Drive Train** - Engines, engine components, transmissions and drive train (including axels, rear ends, housings) are interchangeable between makes and models (rear-ends may only be replaced with 5 bolt rear ends)

**Distributor & Differential Protectors** – Distributor and differential protectors are allowed (overuse of materials may results in disqualification)

**Radiators** – Radiators must remain in the stock position, and may only contain water (no coolant)

### Body Mounts

- Stock body mounts (bolts, washers, rubber and metal spacers) may not be removed or altered
- 6 additional body mounts may be added using bolts or threaded rod (maximum thickness 3/4")
- Rad cradle mounts can be replaced using threaded rod (maximum thickness 3/4")

### Doors & Trunk Fastening

- Doors and trunk can be welded shut, or fastened down in 6 spots each, using straps, wire, or 1/4" chain
- If welded, doors and trunk may be welded in 6 spots only, using 3/16 plates no larger than 3" x 3" (Driver's door can be seam welded)

### Hood

- The hood can be fastened down in 6 spots using straps, bolts, wire, or 1/4" chain
- 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

**Frames** – Frames can be cut, but may only be repaired as described above (see Welding), and may not be painted or undercoated

### Fenders & Body Panels

- Cutting of fenders or body panels is permitted, and fenders may be bolted in 5 spots per fender

### Bumpers

- Any car bumper are allowed (fronts and rear bumpers are interchangeable)
- Bumpers can be seam welded closed, and the ends may be bent in (ends cannot be cut)
- Both front and rear bumpers must be welded, chained (1/4" chain) or wired to the body to prevent them from falling off and becoming a hazard on the track (see above for Welding limitations)

### Window Bar

- 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)

### Post-to-Post Bars

- A single roll bar may be bolted or welded to the body / frame, and can run up over the roof, and back down to the body / frame, with a PTP (post-to-post) bar in between (if bolted to the body the mounting locations will count as body mounts)
- Dash bars are permitted (4" tube or pipe maximum), and may be connected to the roll bar on both driver and passenger sides
- **Connectors from the PTP bar and the dash bar are permitted, or alternatively forward kickers can be used from the PTP bar to the frame (no further forward than the crash boxes)**

### Door Plate

- 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 be wider than 18", and may not extend beyond cab (official's discretion will determine overuse of materials)
- A similar plate is allowed across the passenger side doors also

### 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 2500psi hydraulic hose must be used, with pressed fittings, and the cooler must be covered with tin, aluminum, 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

### 2003 or Newer Models

- 2003 and newer models may be run, but the aluminum cross member must remain in place and unaltered
- Steering and suspension components may be replaced with stock parts from other models, but they must be bolted on (no welding)
- Any reinforcement brought on by fabricating steering or suspension components will result in mandatory modification, or disqualification

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