

## 2024 Fullsize Truck

# ONTARIO

## Demolition Derby

### Eligible Drivers

Drivers must be a minimum of 16 years old, **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 full size 2wd ½ ton Truck, Astro Van, Aerostar Van, ½ ton Panel Van, Dodge Dakota
- 4x4 MUST be disconnected

### 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
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 are allowed
12. No Block Rule.
13. **No holding**

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## Vehicle Preparation Rules

### Tire Regulations

- Tires must be P or LT Rated, or marked as Load Range "B",
- Can not have a snow-type lug 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 **ON DRIVE TIRES**, No liquid filled tires or NO studded tires will be permitted and no external liners (additional side walls)
- No welded valve stem protectors
- Tread may be cut
- **skid steers or forklift style tires are not allowed**

### 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
- Box and Tailgate

### 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

- Mounts Can be welded or chained but not to reinforce, plates can be added to cross member to weld on different make of engine
- Any combination of engine, transmission is acceptable and 4x4 must be disabled
- No protectors are allowed on drive train (no engine, transmission or differential protectors) – distributor protectors are allowed held onto the motor in 6 bolts protecting the distributor only and be 2" from firewall on a fresh truck
  - A lower engine cradle is allowed to be used to help mount the motor not to reinforce the truck or drive line. Cradle not to touch the frame or cross member and no more than 10 bolts fastening the cradle to the engine. NO pulley protectors
- Differential may be welded
- Excessive material use / welding may result in disqualification
  - **MAX 6 bolt rear ends allowed**
- Pinion brake setups are allowed but the brackets are not to reinforce the diff housing

### Body Mounts

- Front mounts may be replaced with 3/4" threaded rod which may run thru the frame, Rad support and the hood.
- 2 extra 3/4 bolts can be added to the box with max 3x3" washers
- **Rad Cradle threaded rod may be sleeved. MAX 2in, may be welded to frame, no more then half way down frame**

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### Doors, Hood & Tailgate

- Doors must be fastened shut with wire, straps, chained, bolted or welded with 3"x3" plates in 6 spots on a door
- Hoods are not mandatory, without a hood use electric fan only, fans directly connected to the motor must be removed
- Hoods can be fastened down in a maximum of 6 places including seat belt, wire, chain or bolted
- Rear Bumper can be wired to tailgate in 2 spots
- Tailgates can be laid flat on the box floor and fastened thru the box only with TWO 3/4" threaded rod
- Box sides can be folded over and fastened thru the box only with TWO 3/4" threaded rod
- Of the 2 threaded rods through the tail gate and the 2 threaded rods through the box sides only 2 of the 4 may bolt through the frame.

### Doors, Hood & Tailgate Continued

- Cabs **SHOULD** be welded to the box with 2 - 3"x3" plates per side OR 2 - 3/4" bolts fastening the cab to the box (**MIN 3 inch washers**)
- Tailgates can be welded to the bedside with 3 - 3"x3" plate
- IF TAILGATE AND BOXSIDES REMAIN IN STOCK POSITION (SQUARED) TAILGATE CAN BE SEAMED TO BOXSIDE
- If you're building a Suburban with barn doors each door can have 6 - 3"x3" plates, **Center seam counts for one plate on each door.**

### Frames

- **A TOTAL of 8 repair plates, MAX 4x4 plates, 2 sides only**
- Must be 3 inches between repair plates.
- Trailer Hitch **MUST** be removed completely

### Fenders & Body Panels

- No bolting body panels or fenders, with the exception of the tailgate/boxside rule above.

### Window Bar

- A single bar, "H" or "A" must be placed in front of the driver (from roof to cowl). If using an H or A style, base of window bar can not be more than 20 inches

### Bumpers

- Front on front, rear on rear
- **Car Bumpers Allowed, 1970 or newer**
- Bumper ends can be bent in or cut off. **(Can not be sharp)**
- A 4"x4" tube can be welded between the frame rails on the front behind the **STOCK** bumper. Tube can be fitted tight to the back of the **STOCK** bumper. NOT welded to bumper or body
- 4"x4" square tube 50" long can be welded to the end of the frame. The 4"x4" **MUST** be wrapped with a car/truck outer skin and the ends **MUST** be cut on a 45 degree angle. **NO** added tubing between frame rails.
- Gussets from frame to bumper not to exceed 3" across. Allowed to weld the end 6" of the frame to keep the bumper on not to reinforce
- Rear bumpers can be removed If rear bumper is removed a 2X2 piece of tube **MUST** be welded between the frame rails
- Tube bumpers must be cut on an angle or capped.
- Rad Support can be wired to bumper in 2 spots

### Door Plates

- **Driver's Door Protection is MANDATORY**
- Door plates are allowed on both sides.
- Maximum length 72" / Maximum height 12" and Maximum thickness 1/4"
- Each Door Plate must be bolted in 6 spots with 3/4" bolts

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### Suspension & Steering

#### - Max 5 Leaf Springs

- All suspension must be stock. No fabrications are allowed. It must appear, and function as original
- NO leaf spring front ends, unless it comes stock with them
- Tie rods can be reinforced, must start as stock and have metal welded to reinforce
- **TWO** added leaf spring clamps allowed
- Trucks must have stock ride height
- Rear ends swaps allowed to floaters, No rear end bracing and MUST be mounted in a factory manner for that truck.
- Rear Stock style leaf springs and Coil spring trucks can be converted to leaf spring set using factory pick up spring packs

#### 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

- Halo Bar Allowed, 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 only be bolted to the frame, not welded. Welded to the floor is allowed.

- 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 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)**

### Gas Tank

Single cab

- Mounted to the frame in a GTP. Hole in the box must be 6 inches larger than gas tank

- Mounted in the front of the box, Bolted, chained or TWO 2in ratchet straps. MUST have 4 extra body bolts added within 6 inches of the gas tank

Extended Cab - Must be secured in the middle of the back seat. Bolted, chained or TWO 2in ratchet straps.

### 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