

# ONTARIO DEMOLITION DERBY

## 2018 STOCK DEMO-X

### 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 18 years old, or older, and have had a driver's license (G1 and G2 are acceptable)
  2. Drivers 16 and 17 years old and have a driver's license (G1 and G2 are acceptable) may participate in Mini Smash and Figure 8
- \*\* Drivers 16 & 17 years of age must provide a parental consent form and have a parent or guardian onsite**

### Eligible Vehicles

- STOCK DEMO-X**
- a) Any 1980 or newer 2WD passenger car with a 4-cylinder or 6-cylinder engine, with a wheel base of **106" or less**
  - b) Any 1980 or newer FWD passenger car with a 4-cylinder or 6-cylinder engine, with a wheel base **over 106"**
  - c) Any 1980 or newer 2WD minivan with a 4-cylinder or 6-cylinder engine
  - d) Any 1980 or newer 2WD ¼ ton truck with a 4-cylinder or 6-cylinder engine

No All-wheel drive vehicles, hearses, limousines, jeeps, astro vans or disabled 4x4's (removing front drive shaft)

**\* 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**

**\*\*\* Refer to website for exact classes at each event**

### Tire Regulations

1. Tires for car events must be P-Rated, or marked as Load Range "B", 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. Tires with removed lugs is acceptable
3. Wheel weights must be removed from both drive and non-drive wheels
4. Double tires are permitted
5. No solid tires, liquid filled tires or studded tires will be permitted
5. No welded valve stem protectors

### Welding

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

- Bumpers (Choose 1 of the following only)
  - a. Original Shock = Bumper may be welded to the brackets, and the brackets may be welded to the frame
  - b. Hard Nosed = Bumper may be seamed to the frame and 2 plates (3"x6" by 3/8") may be added per frame from bumper to frame
  - c. 2"x2" Tube Shocks (6"max length) = Tube Shocks may be welded to bumper only, 1 bolt per shock may go through frame and shock and 1 plates (3"x6" by 3/8") may be added per frame from bumper to frame. YOU must drill an inspection hole at 6" on frame
- Bumpers may not be seamed closed or loaded with any material
- Doors and trunks may NOT be welded
- Repairs to broken, severely rusted, or bent frames are NOT allowed

**\*\* 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.**

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

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### Vehicle Specific Preparation Rules

**Engines & Drive Train** - Engines, engine components, transmissions and drive train are interchangeable between makes and models, however all replacement parts must come from eligible models

#### Body Mounts

- Stock body mounts (bolts, washers, rubber and metal spacers) may not be removed or altered
- NO additional body mounts or threaded rod allowed

#### Doors Trunk Hood & Tailgate Fastening

- Doors, trunk and Tailgates can be fastened shut in 6 spots each, using straps, wire, or 1/4" chain
- A minimum 6" hole must be cut in the center of the hood
- If running an electric fan, or no fan, then the hood can be removed completely
- **Front and rear threaded rod on the hood and trunk count as fasteners**

**Frames** – Frames can be cut, but may NOT be repaired and may not be painted or undercoated

**Fenders & Body Panels** – Cutting of fenders or body panels is permitted, NO additional bolts allowed

#### Bumpers

- Appropriately sized bumpers are allowed (may be changed among eligible models – NO Oversized Bumpers) A full-size Bumper is over sized, a full-size car rebar is not (Officials discursion)
- Bumpers cannot be seam welded, and the ends may NOT be cut (ends can be bent in)
- Both front and rear bumpers should 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 Bars

- A single bar or flat plate must be placed in front of the driver from roof to cowl
- A or H or O or U frame style window bars are NOT acceptable
- A rear window bar is NOT permitted
- Windshields may be left in, if left in a window bar is not necessary

#### Safety Bars

- A Post-to-Post (MAX 4" square tubing) may be bolted or welded behind the driver's seat to the body / B pillar
- A roll over bar may be bolted or welded to the post to post, run up each door post and run over or under the roof
- NO Dash
- NO Passenger Side Bar
- NO kickers or down bars permitted to frame / floor / rockers
- Unsafely built or bars that break lose during event ALL result in immediate disqualification

#### 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 60" in length (official's discretion will determine overuse of materials) 3/4" Plywood inside Drivers Door acceptable steel preferred
- Passengers side reinforcement is not permitted
- **It is MANDATORY that the driver's door interior be stuffed with a minimum of 3/4 plywood (steel / wood / combination of both acceptable)**

#### Suspension

- Suspension components may be changed among vehicles, but must remain in original working order (NO blocking / stuffing suspensions adding leaf springs)

**Tank protectors** – NOT PERMITTED

#### Gas Tanks

- **Original manufacturers tanks are permitted if ahead of rear axles and MUST include additional chain/wire/straps around tank and floor**
- The stock gas tank can't 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 centered in vehicle
- All non-original tanks require a non-flammable cover to be secured after inspection. **(AIR BAG MATERIAL RECONMENDED)**
- Metal tanks are strongly recommended, but CSA rated plastic boat tanks are acceptable
- fuel cells in single cab trucks must be located directly behind the cab, bolted or welded to the frame **(NO PLASTIC TANKS)**

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