



# Clarence Creek Lions Club Demolition Derby

## 2018 4-CYL , 6-CYL& MiNi VAN Vehicle and Participant Rules



### Disclaimer

\*\* If there are any questions about the spirit or interpretation of the rules please call an 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 a drivers license (G2 are acceptable)
2. Drivers 16 to 18 years old and have a driver's license (G2 are acceptable) may participate in 4cyl.

\*\* Drivers 16 & 17 years of age must provide a parental consent form and have a parent or guardian onsite

### Eligible Vehicles

#### **4-CYL**

1. Any 1980 or newer 2WD passenger car manufactured with an 4 cylinder engine.
2. No All wheel drive vehicles, hearses, limousines, jeeps, vans or trucks or disabled 4x4's (removing front drive shaft)

#### **6-Cyl**

1. Any 1980 or newer 2WD passenger car manufactured with an 6 cylinder engine.
2. No All wheel drive vehicles, hearses, limousines, jeeps, vans or trucks or disabled 4x4's (removing front drive shaft)

#### **MINI VAN**

1. Any 1980 or newer FWD Mini Van
2. No 4x4's, 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 it 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
6. No wheel weights or welded valve stem protectors

### 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, and loaded (2" x 6" x ¼" max / must be covered with a bumper skin)
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:
6. Frames can only be repaired using 4"x4" plate, with a maximum thickness of 3/16
7. **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.



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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**

1. Stock body mounts (bolts, washers, rubber and metal spacers) may not be removed or altered
2. 6 additional body mounts may be added using bolts or threaded rod (maximum thickness  $\frac{3}{4}$ "")
3. Rad cradle mounts can be replaced using threaded rod (maximum thickness  $\frac{3}{4}$ "")
4. Rear most mounts can be replaced using threaded rod (maximum thickness  $\frac{3}{4}$ "")

#### **Doors Trunk & Hood Fastening**

1. Doors and trunk and can be welded, or fastened shut in 6 spots each, using straps, wire, or  $\frac{1}{4}$ " chain
2. If welded, doors trunk may be welded in 6 spots only, using 3/16 plates no larger than 3"x3" (Driver's door can be seam welded)
3. A minimum 6" hole must be cut in the centre of the hood
4. If running an electric fan, or no fan, then the hood can be removed completely
5. Front and rear threaded rod on the hood and trunk count as fasteners

#### **Frames**

- Frames can be cut, but may only be repaired as described above under Welding section, 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 (maximum  $\frac{3}{8}$ " bolt)

#### **Bumpers**

1. Appropriately sized bumpers are allowed (may be changed among eligible models NO Oversized Bumpers)
2. Bumpers cannot be seam welded, and the ends may not be cut (ends can be bent in)
3. Both front and rear bumpers should be welded, chained ( $\frac{1}{4}$ " 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**

1. A single bar or flat plate must be placed in front of the driver from roof to cowl
2. A and H frames are also acceptable (No O or U frames)
3. A protection screen can be add in front of driver

#### **Post-to-Post Bars**

1. A single post-to-post bar (max 4") may be welded or bolted from the drivers post to the passenger post
2. No other interior bracing is permitted (no kickers, no dash bars)
3. A Dash Bar (Min 3" to Max 4" square tubing) may be mounted door frame to door frame, but not to firewall

#### **Door Plate**

1. The driver's door must be reinforced with either a plate or connectors (or both) inside the door between shin.
2. Passenger side door cannot be plated or reinforced

#### **Suspension**

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

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2. No other interior bracing is permitted (no kickers, no dash bars)

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

Mario Pilon (613) 229-2071 or Eric Brazeau (613-229-7649)

Email: [clarencecreeklions@bellnet.ca](mailto:clarencecreeklions@bellnet.ca)

[www.clublionsclarencetreek.ca](http://www.clublionsclarencetreek.ca)

Facebook: ClubLionsClarenceCreek



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### Numbering

- The front driver door must be painted white for numbering and identification.

### Vehicle Interior & Exterior

1. All glass, decorative moldings and accessories (trailer hitches) must be removed, and the vehicle must be swept clean of any debris
2. All seats, airbags and flammable material must be removed, with the exception of the front seat(s) and dash
3. Sunroofs MUST be covered

### Motor Mounts

- It is recommended that mounts are welded to the cross member (Chained is acceptable)

### 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 – NO ORIGINAL MANUFACTURERS TANKS ARE PERMITTED**

1. 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 centered in vehicle
2. All tanks require a non-flammable cover to be secured after inspection. (**AIR BAG MATERIAL RECOMMENDED**)
3. Metal tanks are strongly recommended, but CSA rated plastic boat tanks are acceptable

### Tank protectors

- must be reasonably centered in the car, cannot be wider than 26", and must be at least 2" from the unaltered rear sill or sheet metal

### 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 re-attached directly to the transmission

### Radiators

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

### Transmission Coolers

1. Transmission coolers may be used, but must be mounted either within the engine compartment or within the passenger compartment
2. If mounted in the passenger compartment 2500 psi 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

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### 2018 Participant Rules

#### **Driver & Pit Crew Rules**

1. All Drivers, Mechanics, and Vehicles must report to the registration desk one hour before the start of the event
2. The \$30 Registration Fee allow one driver, one mechanic and one tow vehicles into the pit area.
3. Everybody have to pay the \$10 Admission Fee
4. Each driver must attend the drivers meeting, held approximately 30 minutes before the scheduled start time of the competition
5. A car may only be entered once per event
6. No persons under 16 years of age are allowed in the pit or track area prior to, during, or after the race.
7. 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.
8. Aggressive driving is limited to the track during the race. It will not be tolerated in the pit area
9. 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
10. There is **ZERO TOLERANCE** for the use of any alcohol or drugs prior to or during the race.
11. Clarence Creek Lions Club Demolition Derby organisation 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 the driver and track officials
2. All drivers must be wearing acceptable attire to participate (working boot, 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, unless in the final position in which case the other car must make a competitive hit (carburetor fires will be tolerated if it extinguishes without assistance)
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. 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

### **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