

**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, trucks or electric vehicles

## **Tire Regulations**

Any type of 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

No liquid filled tires or studded tires will be permitted and no external liners (additional side walls)

Solid tires are only allowed on NON-Drive tires.

Tire tread may be cut

Air filled tires only

## **Welding**

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

Bumper mounted to frame. Anything goes first 6” of frame.

Bumpers may be spot welded closed

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 total of 8 repair plates allowed, if car is well used, contact ODD.

Frame plates must have 1 inch gap between plates

All repairs must 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

Motor mounts

## 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 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

## 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

## 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  $\frac{3}{4}$  thread rod, all others must remain stock
- If a repair is necessary max  $\frac{3}{8}$  bolt/rod and max 3" washers may be used
- 2 mounts (1 per side) added using threaded rod (maximum thickness  $\frac{3}{4}$ ) 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  $\frac{3}{4}$ ) 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,  $\frac{1}{4}$ " chain,  $\frac{3}{8}$ " bolt with max 3" washers or welded

**- 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
- 4" long 2x2 angle max.

## Frames

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

## 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 bumper Open to anything within the first 6" of the 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
- 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 to be used as a bumper shock
- Can not be loaded
- No square tubing, custom, steel fullsize or replica 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 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 (Max 4" square tubing) may be mounted door frame to door frame, but not to firewall
- A Passenger Side Bar (Max 4" tubing) 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 is permitted, Only connected to the inside of the A and B Pillar not the door skin.
- 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 outside bar or plate may not extend beyond 60" in length and should be from window to rocker
- Passenger Door may be stuffed

## Suspension

- Suspension components may be changed among vehicles, but must remain in original working order
- NO blocking, welding suspension solid 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.

## 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