

Brooklin Spring Fair 2020

Demolition Derby Rules for: **PRO MODIFIED TRUCKS – 2020**

Demolition Derby General Rules – 2020 PRO MODIFIED TRUCKS

The Demolition Derby will be held on **SATURDAY, JUNE 6, 2020** at the Brooklin Demo Arena in Brooklin at **6:00 P.M. SHARP!**

In the event that this Derby is cancelled, the Brooklin Spring Fair Board will not be liable. There is no rain date.

These rules replace all previously issued rules and are subject to change without notice.

**ALL DRIVERS MUST ATTEND DRIVERS' MEETING
PRIOR TO ANY HEAT
OR DRIVER WILL BE DISQUALIFIED**

NEW: Please note the change in rules for Vehicle Prep for trucks and full street pro stock
NEW: BELT DRIVEN fans may be used as long as the hood is securely in place. No hood --
No belt driven fan. An electric fan may be used in place of the belt driven fan.

2020 Pro Modified Truck Vehicle Prep Rules

Trucks Allowed

1. All full sized trucks are allowed except mini trucks like S-10 and Ranger. Full sized 1980 and newer ½ ton or ¾ pickups, vans, suburbans, Astro vans and Aerostar Vans are allowed. No one (1) ton trucks. Dodge Dakotas are considered a full sized truck.
2. No jeeps, convertibles, no mini trucks as noted above, no dualies.
3. Trucks previously run in derbies **MAY** be considered too badly damaged and unsafe, resulting in disqualifications. Call or email with pictures first.
4. **As in all Brooklin Spring Fair classes, a vehicle ownership must be on hand in case of vehicle's year issues.**

Vehicle Prep

1. Preparation of the vehicle must occur before the vehicle arrives at 'The Fairgrounds'. This includes painting of the frame repairs as outlined.
2. **The Demolition Derby Officials' decision is final when inspecting vehicles. Do not put yourself in a disqualification position by bending or ignoring rules.**
3. 4" x 4" **patches** to be a max ¼" thick
4. All **repairs** must be with stock style components. No reinforcing.

5. All **flammable material** must be removed from the cab area except the dash, driver's seat and seat belt. All debris, including in the doors and box must be removed.
6. All **air bags** to be removed.
7. **Trailer hitches**, plow attachments and frame reinforcements to be removed.
8. All **glass**, windows, mirrors, trim, lights, antennas, ornaments, bezels, interior and exterior must be removed (including bulbs).
9. The **AC** system must be drained.
10. The **cooling system** must be flushed of antifreeze and replaced with water only. Radiator to be in its original position or removed. The over flow tube must be secured to direct the coolant to the ground. No additional protection except stock AC condenser. No reinforcements or guards. Stock type radiators only.
11. *****NEW*** Belt driven fans** may be used as long as the hood is securely in place. **No hood, No belt driven fan**. An electric fan may be used in place of a belt driven fan.
12. Driver's **door** must be painted white, passenger optional. (for ease of seeing the number).
13. A CSA approved **fire extinguisher**, with properly functioning gauge, (ABC) must be properly secured within reach of the driver.
14. One 12 volt **battery** must be properly secured to the front passenger floor board area in a box. This area must be clear of all fuel system parts. Once the inspection has been completed, this battery will be covered with a non-flammable material, shield to control possible splashes. One 12V battery only.
15. The **stock fuel tank** must be removed with all loose fuel lines and straps. It is to be replaced with a CSA approved, steel marine fuel tank, plastic approved fuel tank, custom fuel tank or racing fuel cell.
16. An opening 6" larger than the tank must be made in the box to allow the tank to be bolted to the frame. For suburbans or extended cabs the tank must be securely mounted in the rear passenger, centre area. Once the inspection has finished this tank will be covered with a flame resistant splash proof cover. **NO LEAKS**, must not move. Note approved plastic tanks must be protected from the floor, with a rubber mat.
17. **All fuel lines** must have leak proof fittings with steel or approved fuel rubber lines (no clear lines). Lines must be inside the vehicle if possible and protected. For electric fuel systems a **RED** safety shut off switch, for the pump, must be installed, on the roof in the centre of the windshield opening for officials, safety purposes. The fuel pump must be isolated, and all components covered with a non-flammable material. Any leaks, at any time, will result in an immediate disqualification.
18. **Engine swaps allowed**. No full engine cradles or transmission braces. Engine mounted distributor guards allowed, however it must be 2" from the firewall on a fresh truck. Motor mounts can be welded or chained but not reinforced. If swapping engines, plates can be welded to the cross member to allow for engine mounts, but not reinforced.
19. **Hoods** require a 12" opening in the centre of the hood. Hoods must remain open for the inspection. Hoods will be fastened down in a maximum of 6 places using, seatbelt material, wire or chain. Hoods and

rad supports may be wired to the bumper in 2 spots. Hoods are not mandatory, however if removed, the safety of the drivers and fair volunteers become an issue with hot fluids. All precautions must be taken to direct hot fluids to the ground in case of an overheated engine, transmission or steering system.

20. **Tailgates** can be fastened in the closed position in a maximum of 6 locations. Rear bumpers can be wired to the tailgate in 2 spots. Tailgates can be laid flat on the box floor and fastened through the box floor only with 2, 3/4" dia., lengths of threaded rod, not through the frame. Tailgates can be welded to the beside with 3.3" x 3" plates. Suburbans, vans, with the larger rear doors can have 6.3" x 3" plates.
21. **Box sides** can be folded in and fastened through the box floor with a 2 3/4" lengths of threaded rod. 2 extra 3/4" bolts can be added to the box floor with 3" x 3" washers only.
22. All **doors** must be fastened shut with sire, seat belt straps, chains, bolted or welded with 3" x 3" plates in 6 locations **max per door**.
23. A steel bar or chain must be bolted or welded from the cowl to the roof in the front windshield opening to prevent the hood from coming in. A strong steel wire mesh may also be added for this purpose.
24. Transmission **coolers** may be repositioned but if in the cab must be covered with a non-flammable cover to protect the driver from pressurized leaks. Transmission dipstick must be secured and have a redirect to take hot fluids to the ground.
25. **Suspension** systems must be **stock** with movement. Stock style leaf springs on the rear. Stock style spring hangers, no welding. Original style tie rods can be reinforced. All other suspension and steering components must be **stock**. No added leaf spring clamps. No leave spring front ends. Rear coil spring suspensions can be converted to leaf using stock style components and bolts, no welding.
26. Ride height must be stock. No suspension, driveline bracing.
27. **Differentials** must be **stock**. Gears can be welded. 4 x 4 front when drives must be disabled by removing transfer case, diff housing, axle shafts and the driveshaft.
28. **Frame repairs** are allowed but cannot reinforce. 4" x 4" patches only. These repairs are to be painted in a bright colour.
29. Body **mounts** and bolts are to be stock.
30. All **wheel weights** must be removed. No valve stem guards. Air filled only. No split rims. No bead locks or rim guards. No solid tires. Double tires and tubes are allowed. LOW AGGRESSION skid tires allowed. No triple sidewalls on drive wheels. No studs. **No excessively aggressive tread types**.
31. Car or truck **bumpers** are allowed on the front. Ends may be bent in or cut off.
32. A 4" dia. Tube (or 4" x 4") can be welded to the frame rails on the front frame behind the stock bumper but not to the bumper or body **OR** a 4" x 4" square tube 50" in length can be welded to the end of the frame. This may be covered with an outer bumper skin but you cannot use a car bumper. Gussets from frame to bumper cannot be larger than 3". Welding of the last 6" of the frame is allowed to secure the

bumper but not reinforce the area. Rear bumpers may be removed. This may be replaced with a 2" x 2" or 2" dia tube welded between the frame rails.

33. Bolting of the **body panels** is not allowed. No extra bolts, screws or other fastenings.
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Have a Question?

Contact

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