

Brooklin Spring Fair 2020

Demolition Derby Rules for: **FULL SIZE PRO MODIFIED CARS – 2020**

Demolition Derby General Rules – 2020 Full Size Pro Modified Cars

The Demolition Derby will be held on **SATURDAY, JUNE 6, 2019** 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**

2020 Full Size Pro Modified Cars - Vehicle Prep Rules

Vehicles Allowed

1. This class is open to any Ford or Chrysler hard top automobile or station wagon, and any GM or Chevrolet hard top automobile or station wagon.
2. NO trucks, convertibles, jeeps, vans, hearses, limousines or checker cabs.
3. Cars previously run in derbies **MAY** be considered too badly damaged and unsafe, resulting in disqualification. 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 issues.**

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.

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. **Engine & Drive Train** – Any combination of engine, transmission and rear ends is acceptable. Rear ends must be 5 bolt. Basic lower engine cradles allowed. No transmission braces and must have stock transmission cross members. Any 5 bolt rear differential – must use factory control arms/brackets.
No reinforcing. LS engines – may use conversion brackets to accept an old style rubber frame mount.
No harmonic balances – crank shaft protectors.

5. **Welding, Roll Bar & Dash Bar** – A post-to-post bar may be welded into the driver's compartment for driver safety, located behind the driver's seat, from the driver's side post to the passenger side post. 4 point cage (halo) is allowed in the driver's compartment for driver's safety, no excessive cages, no kickers. (Both may not be welded to the frame in any way.) Motor mounts may be welded to the cross member. Excessive material use/welding will result in disqualification. Floor to roof roll bar cannot attached to post-to-post bar unless the roll bar extends from top of post-to-post bar to roof ONLY. **Roll bars** going across the roof must be through bolted twice through the roof for driver & spectator safety. This roll bar may be bolted to the frame or rockers. No excessive use of materials. May run threaded rod down from the post-to post bar, through the frame to prevent sagging (secured with washers & nuts only). **Dash Bar** – 2" to 4" tubing mounted, door frame to door frame, but not to firewall. Dash Bar must not touch the centre section of the firewall. NO down bars off the Dash Bar. Driver Safety. Differential may be locked.
6. **Flammable Material** – Seat & trim – All must be removed from the vehicle except driver's seat. Dashboard may be left in.
7. **Trailer Hitch** – Must be removed.
8. **Glass/Airbags** – All windows, mirrors, airbags and trim must be removed prior to derby event.
9. **Doors & Numbers** – Driver & Passenger doors must be PAINTED WHITE. An optional roof number plate may be securely installed. NO painting of number on doors unless number registered.
10. **Fire Extinguisher** – Must be within reach of the driver, must work and have a working gauge.
11. **Battery** – One 12 volt car battery must be moved to front passenger floor board and securely fastened in a box/container clear of all fuel sources. Following inspection it must be covered with a non-flammable shield.
12. **Gas Tank** – Stock gas tanks must be removed. Must be a steel marine tank, custom steel fuel tank, or certified racing fuel cell. No plastic tanks. All tanks must be securely fastened down (bolted) in the middle of the back seat area. Tank must be covered with a non-flammable material after inspection. Maximum 3 gallons gas. NO gas tank protectors. Officials have final decision.
13. **Fuel Lines** – All fuel lines must have leak proof fitting with steel or rubber lines. No exceptions.
14. **Electric Fuel Pump** – Must have a safety shut off switch (punch button), marked in red located on roof in center of the windshield area for officials use.
15. **Fuel System** – Electric fuel pump must be isolated with a non-flammable material covering lines, tank & pump. Non-flammable covering may be fire resistant blanket or air bag material.
16. **Shifters** – Shifters may be directly attached to transmission linkage & relocated to floor over transmission hump.
17. **Hood & Trunk** – Openings: It is mandatory that an opening be cut in hood over carburetor, approximately 8" x 12" maximum in diameter. Strictly enforced. Recommend removing hood latch in case of fire. A hole should be cut in middle of trunk lid for visibility. Trunk lid may have a single 90" bend in the middle.

Fastening Down – Hood, trunk or tailgate must be fastened down in 6 places with seat belt strapping, wire or ¼” chain only through each hole. Hood must be kept in original position and must be left open until after inspection. Trunk/tailgate must be in original position. Official’s decision re over-use of materials.

18. **Body Panels** – No body bending or bolting.
19. **Door Fastening & Door Plates** – All doors must be fastened shut with wire, straps, ¼” chains or straps/seat belts in 8 locations per door. Doors may have max of 3 – 3” x 3” plates welded to door to hold closed. Flat bar on Driver door max 72” long x 12” wide x ¼” thick, bolted 6 times (with a maximum ½” through bolt.) NO “C” CHANNEL or ANGLE IRON, BEVELLED plate on DRIVER SIDE ONLY.
20. **Windshield Space** – Strong steel construction –type wire mesh is recommended for left front windshield only. One (1) strong upright steel, chain or iron bar must be bolted in windshield space.
21. **Firewall** – All holes in firewall must be filled/covered with tin or non-flammable material. No reinforcement.
22. **Bumpers** – CAR BUMPERS ONLY. Front & rear bumpers may be reversed and flipped upside down. May be wired to rad cradle in 4 locations. May be welded to the brackets & frame. 4” from the back of bumper, single pass only. REAR BUMPERS STOCK – Bumper shocks can be welded with no added metal. Excessive use of material will be asked to be removed. NO LOADING OF BUMPERS – Officials may request a hole be made in bumper for inspection. Must use stock style mounting brackets for car model. If car had bumper shocks from factory they must remain in place. Square tubing instead of front bumper may be used – NOT to extend past the front fenders – 4” x 4” – 1/2 “ thick. Flat/straight tube only.
23. **Radiator** – Radiators and cooling system must be flushed of anti-freeze and only water added. Overflows for radiator must point downward to the ground. Radiator must be in original position or removed.
24. **Transmission Cooler** – Are permitted and must be secured in engine compartment. Transmission dipstick must be securely fastened, wired down or have an overflow tube pointing straight down away from drivers or spectators.
25. **Leaf Springs Shocks & Coils** – Suspension must be stock. Movement must occur. It is recommended that rear coiled springs be wired to the differential.
26. **Headers** – Must be secure, must point upwards and not at other drivers/spectators. Must be a reasonable length or will be asked to be cut or removed. Official’s discretion.
27. **Frame Alterations** – No patching, repairing or painting of frames.
28. **Body Mounts** – Rubber body mounts must be kept in with stock size bolts. If rotten, may be replaced with stock size bolts and stock size body mounts. – NO more than 1 body mount high.
29. **Tires** – Maximum 16” D.O.T. tires must be low aggression. No forklift tires or solid fill tires. All tires must be filled with air only. Tires may be doubled. No split rims. No screwing tires to rim or studding. No extra

rubber protection on drive tire sidewalls. All wheel weights must be removed and no welding stem protections. Carry spare 16" DO.T. mud tires in case track conditions warrant. Official's decision.

30. **Pre-Bending** – No pre-bending frame or body. Notching frames is permitted.
31. **Mechanical Repairs** – Must be stock material and in no way enhance ability/performance of vehicle.

***Have a Question?
Contact
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