

## Modified Derby Rules 2017

1. Any full size V6 or V8 hardtop automobiles are allowed. No Chrysler imperial or Lebaron of any year 73' and older, trucks, Jeeps, ambulances, convertibles, SUV's or rear engine autos or diesels. Any 4 or 6 Cylinder 80 and up FWD cars may compete, but must have a full size car to run in main event due to safety reasons.
2. All glass and chrome trim must be removed before showing up at the event, car must be cleaned out to the floorboard including trunk and decking in station wagons. FWD cars must have all airbag safety activations systems removed (fuses).
3. Body- Body must remain on original manufacturer frame (GM on GM or Ford on Ford). Only body seam welding allowed is from firewall forward (front clip/doghouse only) and from bottom of rear door (seat belt bolt hole) back to taillight section, on wagons is to tailgate, and cannot be painted over, tech must see welds.
4. Doors- May weld doors and tailgate/trunk lids shut with max of 3" wide by 1/8" thick flat steel, must have a 6"x6" hole cut in trunk for tech viewing if welding shut. Wagons may have strap pf same thickness and size welded from bumper to tailgate max of 2 locations.
5. Wire/Bolts- May have max of 4 hood bolts (no bigger than 3/4") front 2 radiator support bolts may run up through frame and radiator support and hood but will be counted as 2 of the 4 hood bolts, other 2 hood bolts may be welded or bolt through to inner fender or top of firewall not both must choose 1 or the other. Max size of washers is 4"x4" for hood bolts.
6. Body bolts may be replaced with max of 3/4" allthread and have nut and washer on bottom frame, washers must be free floating inside on floorboards and bottom of frame, Max size of 4"x4" 1/4" Thickness Max (NO welding washer). May remove body pucks but if done there is no welding body to frame anywhere. May add max of 4 additional body bolts, must be painted for tech viewing.
7. Fender bolts may have max of 6 3/8" bolts per fender well or fold and weld fender lip back onto itself.
8. Floor board/ Firewall- may cut floor out for necessary room to accommodate shifter and tranny lines.
9. Windshield- Must have minimum of 3 bars welded from firewall to roof to keep hood from collapsing on driver, must not reinforce or hood in anyway. (Tech has final decision.)
10. Wire- unlimited wire from back door to rear taillight section on sedans or tailgate on wagons, max of 4 loops per location. Wire must only go to body bolt location, not around from bumpers to body anywhere.
11. Hood- must have 12" by 12" hole cut in hood for fire detection or if running headers must have a minimum of 6" cut away from headers all away around for both sides.
12. Batteries- max of 2 batteries and must be securely mounted and covered on passenger floorboard.
13. Frame- NO welding of frame seams anywhere, except from A-Arm forward on top side only. No painting, greasing, oiling, or undercoating of frame allowed. Failure to no follow rule you will not participate. NO Chrysler Imperial or Lebaron stubs under any mopar bodies. Frame stubs may be replaced or swapped from model to model of car but must remain on same manufacturer of car. (GM on GM or Ford on Ford) if done may cut frame and weld back together but must be a butt fit and only 1 pass of weld will be allowed (1/8") weld is one pass, no wider. You may notch or dimple rear frame or shortening of frame allowed.

14. Engine/ Transmission- may use any motor and transmission combo desired but #1 spark plug cannot be any further than 5" from ball joint. May use skid plate for motor and tranny but must be separate and not welded or touching frame or cross member. May use engine cradle, tranny brace, distributor protector and pulley protector. If you use distributor protector it must not touch the dash bar before, during, or after derby; it cannot be used as a kicker. Engine cradle can only be used to mount engine in car, cannot be touching or welded to frame anywhere, lower engine mounts may be welded to frame only. No 2 piece truck drive shafts of any kind allowed must use original driveshaft or slider shaft if desired.
15. Transmission lines/ cooler- may run a transmission cooler but must have either high pressure hose or hydraulic hose and double clamped. No fuel line or low pressure line allowed. Cooler may be mounted on passenger side floorboard or attached to dash bar.
16. Transmission cross member- may use the stock cross member by bolting it in original place or may use a MAX of 2"x2"x1/8" thick square tubing but must be even with the outside of the frame rails and be open to check thickness, may weld them all the way around where it touches frame rail.
17. Radiator- must be mounted in stock location and be only source of cooling (no extra cooling tanks) may use eco-friendly antifreeze or water, no other cooling supplements allowed. Must have overflow hose ziptied or wired to radiator support facing down away from driver and other competitors.
18. Gas- only max of 93 octane fuel is allowed, no alcohol or racing fuel is allowed. NO plastic gas tanks allowed must be steel tanks. Fuel line must be ran inside of car and kept from pinch points. Line must be ran inside of PVC pipe from tank to firewall for drivers safety. Max of 16 gallons of gas at any time. Fuel pumps- if car is equipped with an electric pump you must have an on/off switch located by driver for easy reaching by official and painted yellow, if using key just paint ignition key/column. All lines must be double clamped.
19. Rear end/ springs- may use any 5 lug car rearend of choice. May weld trailing arm brackets to rearend of choice but cannot reinforce them, max of 1/4" thick. May weld coil springs to rearend, leaf spring cars may have a max of 9 leaves per side (no welding springs together) and max of 3 clamps per side, clamp plate size no bigger than 1/4" and bolts no bigger than 3/8". If equipped with air shocks, line must be cut.
20. Bumpers- may use any car bumper of choice, stuffing of bumpers is allowed. Bumpers cannot be any higher than 24" from ground to center of bumper, front and rear. Pre-ran cars will be left to tech's discretion. May collapse/weld bumper shocks all the way around, bumper frame brackets may be welded solid to frame with single pass only, may hardnose bumper if desired but must use a stock bumper plate to do so, may weld bumper plate all the way around frame and weld bumper on top side and bottom side only to bottom plate. No adding plate to hold bumper on.
21. Tires- any tire to max of 16" or 31" tall may be used, no solid or liquid filled tires allowed. May have inner tubes inserted, but no valve stem protectors. Rims- no solid or split rims allowed, may have multi bolt pattern weld in centers but can only have a single pass of weld, may use donut rims also. NO beadlocks or screws holding tire to rim allowed.
22. Suspension/Steering- solid front suspension allowed, may have solid rear suspension if desired but must be done by using heavier coil springs or running a 3/8" chain around frame to rearend over the humps, chain must be loose no welding links together. No solid pipes or all thread for front shocks. May change springs to meet bumper height rule, welding straps from frame to A-

Arm, plates cannot be any bigger than 2"Wx4"Lx 1/8" Thick, max of one strap per a frame and must be on the front side of spring pocket. Any re-enforce tie-rods but must use oem tie-rod by welding rebar to it. May change steering column to aftermarket collapsible racing column with steering quicker on steering box. May change any component of front steering or suspension as long as it remains an oem manufacture part, must be a butt fit with a single pass of weld only, no excessive welding.

23. Safety cage- may have a 4 point cage, ma size of 4"x4" square or round tubing and must be a minimum of 5" from center of firewall. May have a dash bar, seat bar, and 2 bars down the doors connecting to the dash and seat bar, rear seat bar can only be a minimum of 8" from the rear wheel tubs measured at the floor level. Cage cannot make any floor contact at all. (Free floating) may have a rollover/ halo bar welded from rear seat bar up and over roof to other side bar but must remain vertical, no angling bar towards rear of car. May have max of 2 bolts to hold roof to halo bar. May have a bar inside driver's door for extra protection only. May have gas tank protector but no wider than 24" from outside to outside of tubing used, may touch rear speaker deck only but not welded to it and same width of 24".
24. Original gas tanks must be removed from car, if running FWD car and tank is in front of axle it is ok to leave it but must have some type of skid plate under it.
25. Paint/ number- may paint car any color desired. Numbers must be a minimum of 3"W x 16" tall on front doors and roof, may make own roof sign with number but it must be bolted to roof. Numbers must be legible from announcer's booth and stands. No painting of frame.