

DEMOLITION DERBY 2020

80'S AND NEWER STOCK BUILD RULES

GENERAL

1. Any 1980 and newer sedan full or mid-size sedan may be used and certain late 70's "metric" models. EXAMPLES:
 1. Most GM full size products 1977+
 1. Caprice, Delta, Electra, Bonneville, De Ville
 2. Most GM Midsize products 1978+
 1. Monte Carlo, Malibu, El Camino, Cutlass, Regal, Century, Grand Prix.
 3. 1976+ Cadillac Seville
 4. 1979+ Cadillac Eldorado and Oldsmobile Toronado
 5. 1970's Ford Granada/Fairmont, Mercury Monarch/Zephyr and Lincoln Versailles
 6. 1979+ Ford Country Squire Wagon and Mercury Grand Marquis or Colony Park Wagon
 7. 1977+ Ford Thunderbird and mid-size LTD II only (not full size LTD)
 8. 1979+ Dodge St. Regis and Chrysler New Yorker
 9. Mopar M-Body cars 1977+
 1. Diplomat, LeBaron
 2. 1978+ Chrysler Town and Country wagon
 10. If you are unsure of a car model that is not listed, ask your official first
2. All vehicles must tech to the 2020 Rules - Previously run cars included.
3. All cars will be inspected before entering the arena.
 1. Nothing may be added after inspection without tech approval.
 2. All winning cars will be re-inspected prior to leaving the arena area and before payout.
4. Note: OEM means original equipment of the manufacturer.

PREP

1. Must remove all breakable or flammable material.
 1. All glass, chrome, plastic, exterior mirrors, headlights, taillights, chrome rings, emblems, grills, and flammable materials must be removed except the driver's seat.
 2. Glass must be removed, not broken inside doors.
 3. Rear seats must be removed.
 4. Must remove inside spare tire compartment lid and all seats from station wagons.
2. Car numbers must be 18" tall in clear contrasting paint.

1. Roof Sign recommended.
2. If you do not use a roof sign, you must have numbers on the roof and on each side.
3. Roof sign can in no way be used to strengthen car.
3. Batteries must be removed from the engine area and moved to the inside of the vehicle.
 1. Must be placed in a securely mounted battery box or steel frame.
 2. Must be placed in the passenger floor area or back seat area.
 3. No wooden or plastic boxes or plastic milk crates.
 4. All batteries will be covered with rubber inner tube or other nonconductive material to protect the driver.
4. Radiator must be in the original stock position.
 1. No additional radiator supports, mounts, or guards.
 2. Only wire, garden hose, straps or plastic ties may be added to secure the radiator.
 3. No water from the cooling system inside the driver compartment.
5. Floor Shift/After-market Cable shifter allowed.
6. Locked/welded rear ends allowed.
7. Aftermarket steering allowed.
 1. No reinforcing.
 2. No reconfiguring where boxes mount. (see FOMOCO section for exception on crown vics)
 3. 1 extra knuckle
8. Any tire and wheel combination may be used. No liquid filled tires.
 1. Valve stem protectors allowed around valve stem only, not around the entire rim.
 2. No Beadlocks
9. Hand throttle allowed - (Return Springs).
10. Transmission coolers allowed. Must be inside of car & covered. DOUBLE CLAMPED
11. Engine location may be moved but must remain within 3" of stock position.
12. A hose may be attached to the transmission filler tube (Burp Tube) for fire safety.
13. Any racing or factory automobile seat may be used.
 1. Must be securely mounted.
 2. Bench seat OK
 3. Seat may in no way be attached to frame
14. Distributor protector allowed ONLY on motors with front mount distributors
 1. Your distributor protector will not be welded or bolted to any part of the car other than the motor and may only protect the distributor.
15. You may cut the firewall for clearance on rear mount distributors.
16. Lower engine cradles allowed.
 1. Cannot be welded to frame.
 2. No pulley protector
17. Gas Tank protector allowed and recommended (see CAGE COMPONENTS)
18. No additional welding will be allowed on any vehicle following tech inspection.

SAFETY

1. Stock seat belt or racing harness lap belt required.
 1. 4-point harness recommended.
 2. Seat belts must remain buckled during the entire time of the heat. **EXCEPTION: FIRE.**
2. DOT approved safety helmets are required.
 1. Must stay on during the entire length of time of the derby.
3. Fire extinguisher recommended.
 1. Must be mounted securely, easily accessible to driver.
 2. If the derby is stopped twice for fire on the same car you may be counted out at that point by officials' discretion
4. Car must exhibit the ability to stop at all times. Brake failure will result in disqualification.
5. Safety glasses, long sleeves and gloves **MUST** be worn by all drivers.
6. Mud screen allowed and recommended on front and driver's window.

FUEL SYSTEMS

1. Fuel tanks must be a safe container of steel construction.
 1. Example: Jeep can or boat tank and must be approved by an official.
2. **NO PLASTIC** containers unless completely surrounded by securely mounted steel.
3. Gas tanks must be securely mounted and must be bolted and/or chained solid.
4. Tanks must be capped and behind the driver in the rear seat area.
5. Gas tank protectors are allowed and recommended. (see **CAGE COMPONENTS** section)
6. Stock gas tanks cannot be used and must be removed from the vehicle unless relocated to back seat area.
7. Cars equipped with fuel injection systems that run with electrical fuel pumps must have an electrical "Kill Switch" added, placed and marked where an official can easily shut it off from outside the vehicle if needed.

WINDOWS

1. Front window bars or bands:
 1. Max material size is 3" x 3" x ¼" square tube or 4" x 3/8" flat bar.
 2. You may use a plate or angle at each end to mount window bar to.
 3. Max 4" x 4" x ¼" plate or 2" x 2" x 1/4" angle.
 4. Cars may have a maximum 2 vertical front window bars
 5. IF the middle portion of the firewall is completely cut out, you **MUST** run a window bar on each side of the cut out from firewall to the roof.
 6. You may run 1 horizontal bar between each vertical window bar if the firewall is cut out between them.
 1. Not allowed if firewall is not completely cut out

7. A front and driver's window screen is allowed and recommended.
 1. Easily removed window net is recommended on the driver's window.
8. Rear window bars not allowed.

BODY

1. You may use 6 bolts per fender to bolt inner and outer fender skin back together around wheel-well.
 1. Max size ½" bolt with 1.5" washer.
2. Firewall may be cut to accommodate rear mount distributors.
3. All holes must be covered with a non-flammable material.
4. Trunk area may be tucked and you may hammer rear quarters downward at one point but no lower than 1 foot above the rear frame rails.
5. No body shaping or creasing.

DOORS

1. Doors must be chained and/or welded shut securely.
 1. Maximum 2-1/2" x 1/4" thick metal strap or up to ¾" round-rod may be used as a filler.
 2. Chains must be a minimum 1/8" and a maximum of 3/8" chain.
 3. If welding, you may only weld up to 50% of the exterior seams.
 4. You may weld 100% of driver's door seam.
2. A door bar on the driver's side door area is mandatory with minimum 6" channel.
3. Passenger door bar strongly recommended.
4. The door bars cannot extend past the beginning of the fender openings.
5. Inside door bars are allowed and must be padded.
 1. Inside door bars may not extend through firewall or rear wheel well and may not be attached directly to frame or kickers.

FRAME

1. Frame must not be altered in any way other than notching and pre-bending the rear frame rails. Do not weld the notches.
2. "Fix-it" plates can be used on pre ran cars only and cannot be used on notches.
 1. You are allowed 8 plates total. 4 in front of the fire wall and 4 behind the firewall. Plates cannot exceed 4 inch by 4 inch by 1/8 inch with a 1 inch hole in the center and cannot be closer together than 3 inches.
 2. Plates may only be used to restore stock strength (officials discretion).
3. Body may not sit directly on the frame.
4. No welding body to frame.
5. One wrap of chain around the rear frame hump to axle is allowed.

6. No chains or U-Bolts allowed around body to frame on any car except for if chain is needed after a heat for repairs.
7. You must contact track official for approval and inspection prior to and after the repairs. No exceptions.
8. No trailer hitches.
9. No objects protruding outside of car.
10. If officials determine that a car is unsafe it will not be allowed to run until fixed.
11. Square tube in place of transmission mount allowed in stock position.
 1. Cannot be used to strengthen frame or be stronger than stock mount.
12. Frame seams may not be rewelded at any point.
13. Front frames may be shortened but may not be shorter than 19 inches from the center of A-arms
14. Rear frame humps may be hammered in to avoid blowing outward. NO ADDED METAL.
15. Frames must be in OEM condition on any and all vehicles other than stated above.

CAGE COMPONENTS

1. Must have at least 1 vertical upright bar from floor to roof. 2 vertical bars recommended.
 1. May be attached to sheet metal or top of frame only, not both.
2. Halo (over the roof) roll bars allowed.
 1. Must be vertical and may be attached to the top of the frame only or sheet metal only, not both.
 2. If welding to the frame, do not plate at the bottom of the roll bar or frame.
 3. You may only weld an open tube to only the top of the frame.
 4. Welds MAY NOT extend to the sides of the frame. No plates on frame.
 5. If welding to only sheet metal, you may use up to an 8x8x1/4 plate on each end at the floor and roof but it may not be attached to frame in any way.
 6. Top piece over the roof may be up to 6" x 6" square or round tube or up to 10" channel
3. A behind driver cross bar (spreader bar) is mandatory.
 1. Must be welded or bolted behind driver's seat from side to side.
 2. Spreader bar must be at least 5" above the top of the frame rails.
 3. Each end of the cross bar may be attached to up to an 8x8x1/4 plate, welded or bolted to the door skin.
 4. Spreader bar may be welded or bolted to upright bars
4. "Kickers" NOT allowed.
 1. No bars may be welded from uprights to front or rear frame humps or rails.
5. You are NOT required to remove the dash but it is recommended.
 1. IF dash is removed, you must install a dash bar from side to side, above the steering column.
 2. Dash bar may not be connected to window bars.
6. Driver side door bar is mandatory with minimum 6" channel.
 1. Passenger door bar strongly recommended.
 2. The door bars must not extend into any wheel well opening.

3. Inside door bars are allowed and must be padded.
4. Inside door bars may not extend through firewall or rear sheet metal and may not attach directly to the frame.
7. Gas tank protector allowed.
 1. May be attached to behind seat spreader bar or sheet metal but may in no way be attached to or within 5" of any frame rail.

BUMPERS

1. Any stock OEM automotive bumper allowed.
2. No manufactured, loaded, homemade or square tube bumpers. This includes the welding of a skin to a manufactured bumper. **IT WILL NOT PASS.** No questions asked
3. Automotive bumpers may be swapped between different models and makes
4. Bumper width may not be wider than the car body.
5. Bumper tips and fender wells may be trimmed.
6. Bumper may be mounted in **ONE** of the following ways:
 1. **STOCK BRACKETS**
 1. Stock brackets must stay in stock position and may be welded to bumper & frame. Max ½" filler material.
 2. You **CANNOT** cut in separate pieces, or bend stock mounts to reconfigure in any way and reattach them to the car or bumper.
 3. Bumper shocks may be compressed and welded.
 1. Aluminum backed bumpers and vehicles that are equipped with the smaller 1 inch or 1-1/2 inch tubes may run ¾" all thread through the middle of the bumper shock and through the bumper skin with no larger than 3 inch diameter washers. This is to prevent bumpers from falling off. You may also use this method on larger tubes if you do not utilize any welding to attach the bumper.
 2. **HARD-NOSE WITH PLATE**
 1. You may remove all stock mounting hardware and weld the bumper directly to the frame (hard nose).
 2. You may cut the frame flat to mount the bumper.
 1. You may **NOT** cut frame any closer than 19" from the center of the A-Arm.
 3. You may cap the end of the frame with a maximum 6" x 6" x ¼" plate to provide more surface to weld the bumper to.
 4. The only welding allowed will be at the end of the frame to the bumper. There will be no material added to the sides or top and bottom of the frame.
 5. **ALL** stock mounting hardware must be removed.
7. Bumper cannot be welded to car body.
8. Chain around the bumper to hood or trunk is allowed but will be counted as a hood/trunk mounting point.
9. Maximum height from ground to bottom of bumper not to exceed 20" in front or rear.

HOOD & TRUNK

1. All cars' hood and trunk area will be opened or must be 100% visible (inspection hole) for inspection.
 1. Must have a minimum 12" x 12" inspection hole in the hood unless inner fenders are removed.
 2. Inside of the engine compartment must be visible through fenders or inspection hole if hood is not easily removed.
2. You may attach the hood and trunk at a minimum of 4 POINTS and a maximum 6 POINTS each.
 1. Trunk lids may be chained, bolted or welded.
 2. Hoods may be chained or bolted only.
 3. Maximum material size is 5/16" x 4' chains or maximum 3/4" all-thread.
 4. Every 5 feet of chain used will count as 1 mounting point.
 5. Maximum washer size, 6" x 6" x 1/4".
 6. Every spot that is welded will count as one mounting POINT on the trunk, maximum 10" of weld at any point.
 1. Maximum weld filler size is 2" x 1/4" flat bar or 3/4" round-rod.
 2. Welded points may not be within 5" of each other.
 7. You are allowed to attach 2 of the POINTS from hood and trunk to or around the bumpers in front and rear.
 1. These can be only be chain
 8. Only 2 POINTS may be connected to the frame in the front and only 2 POINTS in the rear.
 9. If tucking, you may NOT weld the trunk lid to the trunk floor.
 10. Quarter panels may be pre-bent but not fully "creased" or "canoed".
 11. Factory hinges are NOT counted as mounting POINTS and may be left in.
 12. Hoods CANNOT be welded.

SUSPENSION & AXLES

1. Only stock automobile springs.
2. OEM shackles only. Previously run derby cars with broken springs or shackles can be repaired but may not be stronger than stock. Subject to official's decision.
3. Leaf springs may have (3) clamps per side (6) total on car 1/4" in thickness and not over 1-1/2" in width, with two (2) bolts per clamp. These cannot exceed the thickness and width stated.
4. No manufactured aftermarket rear control arms allowed.
5. Spring spacers and stuffed shocks or 3/4" all-thread in place of shocks are allowed.
6. Slider shaft drivelines OK.
7. Any stock 5-lug automobile rear end allowed. No full-floating rear ends.
8. No coil to leaf conversions
9. No braced rear ends or axle savers.
10. Tire and wheel combination optional.
11. Valve stem protectors OK.

12. No beadlocks.
13. No liquid filled tires.

98 AND NEWER FOMOCO

1. For Watts-link conversion on Fords, you may convert a Watts-Link to a standard 4 link system in the following ways:
 1. Use the upper and lower trailing arm brackets off an older Ford.
 2. Aftermarket brackets are allowed, but no thicker than ¼" and may be attached with max of three (3), ½" bolts each side.
 3. No shortening of trailer arms and no positioning of brackets to strengthen the front down-legs of the rear hump.
 4. Must be mounted in the stock location.
 5. You may use any automotive or fabricated spring bucket but it must not strengthen the frame in any way and cannot be larger than necessary to hold coil spring. Must be mounted off 2 existing cradle bolts. DO NOT weld to frame in any way.
 6. No bolts horizontally through the frame or "pinning".
2. To mount steering box, you may weld a tube to the top and bottom of the frame.
 1. Must be mounted in the same location as 02 and older FOMOCO.
 2. Do not weld excessively.
 3. 3 Bolts max. Top and bottom bolts may be within 1" of the top or bottom frame wall and not be considered pinning.
 4. Other than allowed above, do not pin frame in any way to mount the steering box.
3. You may cut the excess frame off the front rails, but you may not move the front body mount. All body mounts must remain in stock location.
4. 2003 and newer FOMOCO frames may NOT be swapped to any car body other than stock.
5. Stock engine cradles must be used. If it is aluminum then you may bolt or wrap up to ⅛" steel around it to weld motor mounts to.

OTHER NOTES

1. Unless otherwise stated in these rules, there will be absolutely no added metal or non-factory parts, or equipment added to any car.
2. If it does not say that you can do it in the rules then you CANNOT! CALL FOR CLARIFICATION BEFORE DOING.
3. No one under 15 is allowed to drive in the event (under 18 must have Parent/Guardian signature, both must have valid ID)
4. Must have a current, valid state driver's license or permit.
5. POOR SPORTSMANSHIP AND BAD CONDUCT WILL NOT BE TOLERATED at any time of the Demo Derby Event. If you or anyone associated with your car is involved in an

altercation, the driver and all persons involved will be banned from the demo derby for life!

6. There will be no alcoholic beverages allowed into the pit area. There will be no tolerance of open containers due to the beer garden and state regulations requiring security to be highly enforced. No exceptions.
7. Stay in your car, seat belted, with your helmet on at all times, except in the case of a fire.
8. Sandbagging and avoiding hard contact will be given one warning with a black flag. You will be disqualified on the second black flag.
9. We reserve the right to re-inspect by cutting or drilling any car at any time. If you are caught cheating or breaking the rules you will forfeit any and all winnings and or prizes you have won. All decisions made by the pit boss, tech officials, and flag men are final!
10. Must sign waiver and release form on the day of the race.
11. If you have any questions, please call any of the following (please try the contact for your show first):
 - CrashMania/Dayton Head Official/Promoter: Johnny Brown @ 509-301-7161 or e-mail crashmania@yahoo.com
 - CrashMania/Dayton Head Tech Inspector: DJ Wade @ 509-820-5288
 - Benton/Franklin Fair Promoter/Head Official: Dan Nelson @ 509-438-2164
 - Lewiston Head Official: Chris Cook @ 208-791-6065
 - Othello Promoter/Head Official: Adam Robertson @ 509-346-7115
 - Spokane Promoter/Head Official: Casey Duncan @ 509-216-8891 or demoderbybyduncan@yahoo.com
 - Walla Walla Promoter: Stan Bly @ 509-540-2078

EVENT LINE UP

5:00 pm - Driver's Meeting

6:30 pm - Time Trials

7:30 pm - Parade of Cars

Heat Races - Max six drivers per heat

Trophy Dash

Powder Puff Heat Races - Max six drivers per heat

Powder Puff Trophy Dash

Australian Pursuit

Demolition - 4 Cyl.

Demolition - 8/6 Cyl.