

GENERAL BUILD RULES

1. All vehicles must tech to the 2018 Rules – Previously run cars included. Note: OEM means original equipment of the manufacturer.
2. The Derby is open to any American made hardtop model stock car or station wagon or Ranchero/El Camino body style.
3. NO 1973 and older Imperials, Commercial Vehicles, Convertible frames or 2003 and newer Ford Motor Co. frame swaps. (SEE: FOMOCO section)
4. **Certain rules will apply differently to different types of cars. “OLD IRON” cars will not be able to do as much as newer “METRIC” cars. This is meant to equal the playing field among different vehicles. Pay close attention to the differences in the rules**
 - a. **METRIC CARS are 1977+ GM Cars, 1979+ Ford and Mopar Cars. Mopar M-Body cars 1977+ also fall in this category.**
 - b. **OLD IRON CARS are anything older than a METRIC Car. 2003 and new FOMOCO produced vehicles will also be considered OLD IRON.**
 - c. **Some additional exceptions will also apply to 98 and newer FOMOCO produced frames. See the FOMOCO section in the rules for these exceptions. (FOMOCO=Ford Motor Company i.e. Ford/Lincoln/Mercury)**
5. All cars will be inspected before entering the arena.
6. All winning cars will be re-inspected prior to leaving the arena area and before payout. No pit crew members will be allowed in the arena during the re-inspection of winning cars. Drivers can be scored down or disqualified, if they have not complied with the derby rules and/or the official’s decision in tech inspections.
7. All glass, chrome, plastic, exterior mirrors, headlights, taillights, chrome rings, emblems, grills, and flammable materials must be removed except the driver’s seat. Glass must be removed. Rear seats must be removed.
8. Seat belts are required. Must be stock shoulder/lap belt or racing harness lap belt minimum. 4-point harness recommended. Seat belts must remain buckled during the entire time of the heat. EXCEPTION: FIRE.
9. DOT approved safety helmets are required, and must stay on during the entire length of time of the derby.
10. Batteries must be removed from engine area and moved to the inside of vehicle and placed in a securely mounted battery box or steel frame, placed in the passenger floor area or back seat area. No wooden boxes or plastic milk crates.
11. All batteries will be covered with rubber inner tube or other nonconductive material to protect the driver.
12. Radiator must be stock automobile and in original stock position. No additional radiator supports, mounts, or guards. Only wire, garden hose, straps or plastic ties may be added to secure the radiator. No water inside of car.
13. Must remove inside spare tire compartment lid and all seats from station wagons.
14. Fire extinguisher recommended– mounted securely, easily accessible to driver.
15. If the derby is stopped twice for fire on the same car you may be counted out at that point by officials’ discretion.
16. Tire and wheel combination optional. Valve stem protectors OK. No liquid filled tires.
17. Car must exhibit the ability to stop at all times. Brake failure will result in disqualification.
18. Car numbers must be 18 inches tall in clear contrasting paint. Roof Sign recommended. If you do not use a roof sign, you must have numbers on the roof and on each side of the car. Roof sign can in no way be used to strengthen car.
19. No additional welding will be allowed on any vehicle following tech until after a heat for repairs. (see repair rules)

FUEL SYSTEMS

1. Gas tanks must be a safe container of steel construction. Example: Jeep can or boat tank and must be approved by an official. NO PLASTIC containers unless completely surrounded by securely mounted steel.
2. Gas tanks must be securely placed and must be bolted and/or chained solid. Tanks must be capped and behind the driver in the rear seat area. Gas tank protectors are allowed and recommended. (see CAGE COMPONENTS section)
3. Stock gas tanks cannot be used and must be removed from the vehicle unless relocated to back seat area.

4. Newer model cars equipped with fuel injection systems that run with electrical fuel pumps, an electrical "Kill Switch" must be added, placed and marked where an official can easily shut it off from outside the vehicle.

WINDOWS

1. Side Window post (B pillar) bracing is allowed and recommended on cars that do not come with a factory window post. Maximum 2 post braces per side including factory posts (you may add 1 additional to single post cars) No other bracing is allowed.
2. Halo (over the roof) roll bars allowed and will be counted as window posts if they go through the window opening.
3. Front window bars or bands:
 - a. Max material size is 3x3x1/4 square tube or 4x3/8-inch flat bar.
 - b. You may use a plate or angle at each end to mound window bar to. Max 4x4x1/4-inch plate or 2x2x1/4 angle.
 - c. **OLD IRON** cars may have a maximum 2 vertical front window bars
 - d. **METRIC** cars may have a maximum 3 front window bars
 - e. IF the middle portion of the firewall is completely cut out, you must run a window bar on each side of the cut out firewall to the roof.
 - i. You may run 1 horizontal bar between each vertical window bar if the firewall is cut out between them. Horizontal bar may not be within 10 inches of the distributor protector.
4. A front and driver's window screen is allowed and recommended. Easily removed window net is recommended on driver's window.
5. **METRIC** cars may add 2 rear window bars.
 - a. Max material size is 3x3x1/4 square tube or 4x3/8-inch flat bar.
 - b. You may use a plate or angle at each end to mound window bar to. Max 4x4x1/4-inch plate or 2x2x1/4 angle.
 - c. Mounting plate cannot extend completely past the front of the trunk lid seam. If mounting plate covers the trunk lid seam in any way, it will be counted as a trunk mounting point.
 - d. **OLD IRON** cars may not add rear window bars.

BODY

1. You may use 6 bolts per fender. You may only bolt inner and outer fender skin around wheel well. Max size 3/8-inch bolt with 1.5-inch washer.
2. Firewall may be cut to accommodate rear mount distributors. All holes must be covered with non-flammable material. If the middle of firewall is completely cut out, you must have a vertical windshield bar on both sides of the cut out from the roof to the dash. You may add a horizontal cross bar between the vertical windshield bars only if the middle of the dash is completely cut out. DO NOT connect windshield bars to dash bar.

DOORS

1. Doors must be chained and/or welded shut securely, maximum 2-inch x 1/4-inch thick metal strap or 3/4-inch round-rod may be used as filler. Chains must be a minimum 1/8-inch and a maximum of 3/8-inch chain. No chain can exceed 4 feet in length anywhere on the vehicle. If welding, you may only weld up to 50% of the entire door perimeter.
2. A door bar on driver's side door area is mandatory with minimum 6" channel. Passenger door bar strongly recommended. The door bars cannot extend past the beginning of the wheel-well openings.
3. Inside door bars are allowed and must be padded.
4. Inside door bars may not extend through firewall or rear wheel well and may not be attached to frame or kickers.

5. Drivers door (only) may have a steel/metal plate up to 3/8-inch thick welded to door skin only. May not cover any of the door seams.

FRAME

1. No chains or U-Bolts allowed around body to frame on any car except for 1 wrap of chain around the rear frame and axle. If chain is needed after a heat for repairs, you must contact track official for approval and inspection prior to and after the repairs. No exceptions.
2. No trailer hitches. No objects protruding outside of car. If officials determine that a car is unsafe it will not be allowed to run until fixed.
3. **METRIC** cars may hammer the frame above the rear axle (humps) only.
4. Body bolts may be changed to no larger than 3/4" bolts or all-thread with max 6" washers on top side only. Bolts must be inside frame on bottom side. Bushings may be removed but must be replaced with at least 1/2-inch of washers or other filler material. Body may not sit directly on the frame.
6. No welding body to frame!
7. You may re-weld frame seams from the firewall forward. For the purpose of clarification, the firewall starts right in front of the body mounts at the firewall. You may re-weld frame seams in the trunk area up to the back of the back tires. Maximum half inch weld, no filler material allowed.
8. You CANNOT weld pinch frames together.
9. You may hammer y-frames down and weld the seam. No cutting or adding metal to do this.
10. NO tilting any vehicle
11. Frames must be in OEM condition on any and all vehicles other than stated above. NO ADDED METAL (INCLUDING WELDS).

CAGE COMPONENTS

1. Must have at least 1 vertical upright bar from floor to roof. 2 vertical bars recommended. May be attached to sheet metal or top of frame only, not both. Max 6" x 6" for roll bar material.
2. Halo (over the roof) roll bars allowed and will be counted as window posts if they go through the window opening.
 - a. Must be vertical and may be attached to the top of the frame only or sheet metal only, not both.
 - b. If welding to the frame, do not plate the bottom of the roll bar or the frame. You may only weld an open tube to only the top of the frame. Welds MAY NOT extend to the sides of the frame. No plates.
 - c. If welding to only sheet metal, you may use up to an 8x8x1/4 plate. May not be attached to frame in any way.
 - d. 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 and may be welded or bolted behind driver's seat from side to side.
 - a. The spreader bar cannot exceed 6 inches in diameter.
 - b. If the vertical roll bars are welded to the top of the frame, the spreader bar must be at least 8 inches above the top of the frame rails.
 - c. Each end of the cross bar may be attached to up to an 8x8x1/4 plate, welded or bolted to the door skin.
 - d. Spreader bar may be welded or bolted to upright bars
4. A bar may be connected from upright bars or spreader bar to rear frame in front of the back tires. (rear kicker)
 - a. Not to extend past front of speaker tray.
 - b. Kickers NOT allowed to front frame.
 - c. You may only weld an open tube to the top of the frame. No plates.
5. You are NOT required to remove the dash.
6. IF dash is removed, you must install a dash bar from side to side, above the steering column. Dash bar may not be connected to window bars.

7. A door bar on driver's side door area is mandatory with minimum 6" channel. Passenger door bar recommended. The door bars must not extend into any wheel well opening. Inside door bars are allowed and must be padded. Inside door bars may not extend through firewall or rear sheet metal and may not attach directly to the frame.
5. Gas tank protector allowed. May be attached to behind seat spreader bar or sheet metal but may in no way be attached to or within 5 inches of any frame rail or rear kickers.

BUMPERS

1. Bumpers must be stock automotive bumper.
2. Stock brackets may be welded to bumper & frame in stock position.
3. You may collapse and weld bumper shocks solid. Other than that, bumper shocks must be one complete piece and in stock form. You cannot cut in separate pieces or bend them to reconfigure in any way and reattach them to the car.
4. No braces welded or added to bumper. Bumper cannot be welded to car body.
5. Chain or strap around the bumper to hood or trunk is allowed but will be counted as a hood/trunk mounting point.
6. Bumper tips and fender wells may be trimmed. No reinforcing with added metal.
7. You may weld bumper seams but each end must be open for inspection. No loaded or capped bumpers.
8. Automotive makes may be swapped.
9. You may weld the bumper directly to the frame (hard-nose). To do this, you may cut the frame flat to mount the bumper. You may NOT cut frame any closer than 19" from the engine cradle cross member. You may cap the end of the frame with a maximum 4-inch x 4-inch x 1/8-inch plate to weld the bumper to.
10. Any chains used may not be directly in front of the radiator.
11. Bumper height will be measured by officials. Maximum height from ground to bottom of bumper not to exceed nineteen (19) inches in front or rear. Measured at front bottom edge of bumper. Bending the chrome on the bottom will not get you extra space.

HOOD & TRUNK

1. All cars' hood and trunk area will be opened or must be 100% visible (inspection hole) for inspection.
2. You may attach the hood and trunk at a maximum 8 POINTS.
3. Trunk lids may be chained, bolted or welded. Hoods may be chained or bolted only.
4. Maximum bolt size is 1-inch in diameter – maximum washer size, 6-inch x 6-inch x ¼-inch. Maximum chain size is 3/8-inch x 4 feet for each piece of chain used.
5. Maximum weld filler size is 2-inch x ¼-inch flat bar or ¾-inch round-rod.
6. Every ten (10) inches of weld count as one mounting POINT on the trunk.
7. You are allowed 2 POINTS attached to or around the bumpers. These can be chain or strap. You can weld from bumper to trunk in the rear. You can weld straps from bumper to hood washers in the front but not directly to the hood. You may only weld up to 4 inches of the strap at each end.
8. For **OLD IRON** cars, only 2 POINTS may be connected to the frame in the front and rear.
9. For **METRIC** cars, 4 mounting POINTS may be connected to the frame in front and rear.
10. If tucking or wedging a **METRIC** car, you MAY weld the trunk lid or fenders to the trunk floor but you must maintain only 8 POINTS of contact (every 10 inches of weld=1 point). **OLD IRON** cars may NOT weld the trunk lid or fenders to the trunk floor.

CLARIFICATION: If you use multiple methods to secure the trunk, make sure to read this section carefully.

EXAMPLE: 2 bolts, 2 chains, and 40 inches (4 POINTS) of weld is equal to 8 POINTS.

11. If you choose to tuck, wedge, or sedagon a vehicle, you may be required to cut a larger inspection hole.
12. Maximum material size is 3/8-inch x 4 foot chains or maximum 1-inch all-thread.

13. Factory hinges are counted as mounting POINTS if not removed.
14. Hoods CANNOT be welded.
15. Through hood exhaust is OK.
16. Must have a minimum 12" x 12" inspection hole in the hood.
17. Any chains used may not run in directly in front of the radiator.

SUSPENSION & AXLES

1. No truck third members or rear ends.
2. No coil to leaf conversions on any **OLD IRON** Car.
3. Only stock automobile springs.
4. 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.
5. Leaf springs may have (3) clamps per side (6) total on car ¼-inch in thickness and not over 1-1/2 inches in width, with two (2) bolts per clamp. These cannot exceed the thickness and width stated.
6. **METRIC** cars may convert stock coil spring cars to leaf spring. If doing this, you must remove stock springs completely. Leaf spring mounts must be hung on inside or bottom of frame. 9 leaf max. OEM automobile (no truck) leaf packs only.
7. Rear end back bracing may be used on only the rear end itself and should in no way strengthen the frame or body of a car. No added metal within 10 inches of brake drums.
 - a. No reinforcing of control arms or welding from frame to rear end.
 - b. Heavily modified axles will be subject to tech approval. Call ahead if you're unsure.
 - c. No axle-savers.
8. Spring spacers and stuffed shocks are allowed. You cannot weld a-arms to frame.
9. Sliders shaft drivelines OK

METRIC CAR OPTIONS

1. **METRIC CARS** may add (2) 4-inch x 4-inch x 1/8-inch plates anywhere they like on the frame. Only 1 per side. Must be painted white with minimum ½-inch hole in each plate.
2. **METRIC** cars may either add hump plates OR do a coil to leaf conversion but not both.
3. If adding hump plates, you may use a plate 12-inches x 4-inches and no more than 1/8-inch thick. You may cut 12-inch plate into no more than 3 smaller pieces. Plate must stay inside the shape of the frame above the rear tires or you will be asked to cut it down.
4. Hump plates and 4x4 frame plate can both be used on **METRIC** cars. Both must be painted white with ½-inch hole.
5. You CANNOT tilt any vehicle

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 way: Use the upper and lower trailing arm brackets off an older Ford. After market brackets are allowed, but no thicker than ¼-inch and may be attached with max of three (3), ½-inch bolts each side. No shortening of trailer arms, no positioning of brackets to strengthen the front down legs of the rear hump, must be mounted in the stock location.
2. You may use any automotive or fabricated spring bucket but it must not strengthen the frame in any way, 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.
3. No pinning of frame.

4. To mount steering box, you may weld a tube to the top and bottom of frame. Do not weld excessively, do not pin frame to mount the steering box. 3 Bolts max. Top and bottom bolts may be within 1 inch of the frame wall and not be considered pinning.
5. Do not weld any seams behind the firewall, even if the factory skip welded the seam, do not weld!
6. 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.
7. You may convert from coil to leaf springs on any 98 and newer FOMOCO vehicle (see: SUSPENSION AND AXLES)
8. In all cases other than stated above, 1998-2002 FOMOCO vehicles will follow **METRIC** car rules.
9. In all cases other than stated above, 2003 AND NEWER FOMOCO vehicles will follow **OLD IRON** car rules.
10. 2003 and newer FOMOCO frames may NOT be swapped to any car body other than stock.

VEHICLE OPTIONS

1. Floor Shift/After-market Cable shift
2. Locked rear ends
3. Aftermarket steering
 - a. No reinforcing
 - b. No reconfiguring where boxes mount
 - c. 1 extra knuckle
4. Any tire and wheel combination may be used. No liquid filled tires.
5. Valve stem protectors
6. Electric Radiator fans.
7. Hand throttle – (Return Springs).
8. Transmission coolers. Must be inside of car & covered. DOUBLE CLAMPED
9. Air conditioner radiator, one (1) only.
10. Safety gloves/glasses MUST be worn by all drivers.
11. Mud screen allowed and recommended
12. Engine location may be moved but must remain within 3 inches of stock positioning.
13. A hose attached to the transmission filler tube (Burp Tube) for fire safety.
14. Any racing or factory automobile seat may be used. Must be securely mounted
15. Lower engine cradles allowed.
 - a. Cannot be welded to frame.
 - b. Must not come up sides, in front or behind engine higher than exhaust manifold.
 - c. Cannot be connected to Distributor protector in any way.
 - d. No pulley protectors
16. Distributor protectors allowed.
 - a. Cannot be attached to or within 10-inches of the dash bar.
 - b. Cannot be connected to engine cradle in any way.
17. No trans braces
18. No steel bell housing
19. Gas Tank protector allowed and recommended.
 - a. May only be attached to the upright or spreader bars or sheet metal but not to the frame or kickers in any way
 - b. CANNOT install a bar connecting kickers to each other.
 - c. Gas tank protector must be completely separate from kickers and must stay within the inside of the frame rails. Protector will not be within 5 inches of kickers or any part of the frame.
20. Carb protector not allowed.

REPAIRS FOR PRE-RAN/AFTER A HEAT

1. Allowed two 6" x 6" x 1/8" repair plates after each heat you are in.
2. Only one 6" x 6" plate per frame rail, per heat. You may cut the plate into 2 separate pieces. Each piece may not be within 1" of each other.
3. Plate may be cut or bent and welded or bolted to frame anywhere you choose.
4. Cars that advance straight to the main can use all four 6" x 6" plates. Two per frame rail.
5. Plates will not be provided. Please bring your own to inspection.
6. Chain or wire allowed for repairs after heat. Only single wrap at any point on the vehicle, maximum 4 chains or wires, 4 ft max length.
7. Pre-ran cars may use plates to repair damage only to restore to stock strength, subject to the above rules and subject to tech approval. If deemed excessive you will have the opportunity to fix it. Must pass tech by specified time for that show.

OTHER NOTES

Unless otherwise stated in these rules, there will be absolutely no added metal or non-factory parts or equipment added to any car.

No one under 15 is allowed to drive in the event (under 18 must have Parent/Guardian signature, both must have valid ID)

Must have current, valid state driver's license or permit.

Must sign waiver and release form day of race.

If you have any questions, please call Head Official: Johnny Brown @ 509-301-7161 or e-mail crashmania@yahoo.com