

V&R Motorsports

2025 80's Class

“Metric” Chain Class Rules

This derby is open to any American made hardtop model, stock car or station wagon. No commercial vehicles, convertibles, coupe utility, pickups, SUV's, four-wheel drive, foreign type car. “Metric” GM rear wheel drive cars, or 1980 and newer passenger car only. Previously, ran cars are allowed, if they meet the rules. Please call BEFORE building if you are unsure about what qualifies as a “metric” car.

Remove all glass, plastic, chrome, exterior mirrors, lights, grills, gas tanks, trailer hitches, rear seats and flammable material. All preparations must be done prior to coming to event.

No silicone, undercoating or painting of frames, interbody panels, inside trunks or tailgates, paint may only be on outside of vehicle body and bumpers. Your paint must be dry by inspection. Bumper height on new cars will be strictly enforced, you cannot manipulate any surface to gain height. No welding of interbody seams or quarter panels. No welding body to frames.

The intention of this class is to have a safe, fun, and easy build and driving experience. All the rules listed will be under the interpretation of the officials, this is not a grey area show if there are questions you have pertaining anything about the build please do not hesitate to ask. All Drivers are responsible for complying with rules as stated below. If you have questions, please contact Bobby Rutledge 707-301-8324. Or brut_64@yahoo.com

Safety Bars

1. Two Side bars are required. Must be 3 inches from firewall and no further back, than 6” past the front most point of rear hump/wheel wells to the rear. Must have a 4” gap from the highest point of the floorboard and no taller than the lowest point of the door window opening. Side bars must remain inside cabin area and not through doors or pillars.
2. Three Cross bars may be no bigger than 6” X 6” square or circle tubing and must mount within the footprint of the side bars. All crossbars must remain 4” from floor/ tunnel/ transmission/ bell housing. The front cross bar must be 10 inches from the firewall and cannot connect to firewall. Front cross bar is mandatory. The middle cross bar must be behind the driver's seat and within 6 inches of the seat. Middle cross bars are mandatory. Rear cross bar must be placed behind gas tank straight across and may extend no further the front edge of the rear wheel well vertically (floorboard and wheel well). May only be welded to the side bars.
3. A gas tank protector (GTP) is allowed in place of the third cross bar. GTP may only be welded or attached to the safety cage not to body in any way. Gas tank Protector must be centered on second bar with max width of 36”. GTP may contact package tray in a direct horizontal line from mounting point. Package tray and sheet metal may not be moved or altered in any way. Vertical portion of the GTP may NOT be angled to the rear and may be gusseted to the vertical portion of halo. GTP must remain 4” from all sheet metal unless specified.
4. Halo bars are allowed and must be placed between the driver's seat and no further back then twelve inches in front of the rear wheel well. Halo bars must be in vertical position (90°) and Horizontal bar must connect in a direct line between uprights. Halo bar may be welded to cross bar only, not to the floor. 6-

inch maximum material may be used for halo. Halo may be gusseted to side bars or cross bars only. No welding halo to roof. Two bolts one inch in diameter and washer 3" max diameter may be used vertically through the halo bar to bolt the halo to the roof sheet metal only.

5. NO welding cage to frame or floor of car unless other specified. No Bolting accessories such as gas/ brake pedal, Shifter, battery box ect through frame or crossmembers or sub frame.
6. Two front window bars are mandatory. Two bars may be used in rear windows. Window bars may not be welded to the trunk or hood. Bars must be positioned in window seam only. 2"x2" square tubing maximum material may be used. You may use 3-inch gussets (4 per bar) to mount the window bars and may only be welded to the window seam. Window bars must be secured at each end. Front window cowl cannot be altered.
7. Front window bars must be mounted within 3" of windshield opening.
8. Drivers side Only "A Pillar" may be re-enforced using 2"x2" max material, must stay in "A pillar" footprint. (official discretion)
9. The driver's seat may be welded to the floor board or bolted but cannot be welded or bolted to the frame. No plate is allowed under the driver's seat. Seat bracket may only stick past the seat foot print more than 3".
10. You may install x1 down bar per side of car, these down bars must be 2"x2"x1/4" square tubing, these bars can only be welded from your door bar to frame. Must be welded to center section of frame only and must remain in between the front and rear door seam. Bars must stay vertical and can only be welded a max of 8" on frame with no skip welding.

Batteries

1. Three automotive type batteries are allowed. Batteries must be properly covered.
2. Battery tray must be securely bolted. Battery tray may not connect to cage in any way, officials may ask to loosen batt box to verify box will move and is not welded.
3. No welding or bolting battery tray to cross member, frame, or sub frame.
4. Battery trays cannot connect to the firewall. Must be at least 4 inches from vertical section (crease in floor to firewall) of firewall and may not be used as a brace.

Gas Tank

1. Gas tank must be bolted securely to either the floor or safety cage. Gas tank may not connect cage to body or frame in any way.
2. Gas tank must be place behind the driver's seat.

Body and Frame

1. **Body, Frame and suspension must be OEM for that year, make and model frame.**
2. No frame repair is allowed on cars. No seam welding or plating to the frame or no pinning the frame or running bolts through existing holes.

3. Cold tilting and or cutting of the frame for tilting is not allowed.
4. Frame notching in rear frame of car within a 3ft span of rear bumper is allowed.
5. No hammering or moving of the body is allowed unless other specified. Cars must remain stock appearing.
6. Driver and passenger side of car must have visible number 16" tall minimum
7. Roof signs are allowed but may not be connected to halo or window bars.

Fenders and Quarter Panels

1. Fenders may be cut out for tire clearance.
2. Quarter panels may be cut out and rolled.
3. No bolting fender or quarter panels.
4. No pinging or enhancing body lines of cars.
5. Quarter panels behind wheels may be beat in for tire clearance.

Suspension

1. No re-enforcing suspension or steering other than specified. **No swapping suspension/ steering must be exact original to that year make and model.**
2. Rear coil springs may be welded to rear end housing only (to prevent from following out)
3. Tie rod stiffeners are allowed, you are allowed 1 piece per tie rod of ½ rebar that may be welded from tie rod end to tie rod end only in a straight line not wrapped.
4. All factory leaf's must stay factory, no aftermarket leaf clamps, you may have up to 4 factory style band clamp per leaf pack.
5. Front top A-frames may be welded down per side with a piece of 6"x2"x1/4" flat strap, this piece may be broken up in no more than 3 pieces per side and must only be broken up length wise. Strap must stay within 2" of factory foot print of a frame.
6. You may add x1 rear bump stop per side in the rear of the car, this bump stop may be up to 2"x2"x1/4" square tubing max. and may be welded to your rear end housing and rear frame.
7. You may run x1 chain from rear end over rear hump, chain must be single wrapped with max of ½" chain.
8. Rear bump stops must be centered in the rear end housing and welded only to the bottom of the frame, bump stop must be vertical only can not be angled or contoured.

Rear end

1. Rear end may be swapped with any factory style 5 lug rear end, no bracing or aftermarket housings. No after-market trailing arm brackets.

2. If swapping rear end you must cut off factory trailing arm bracket/leaf perch and weld it onto your new rear end.
 3. Locked rear ends and after market ring and pinions are allowed.
 4. Coil spring may be welded to housing only (to prevent from falling out).
 5. Pinion brakes are allowed.
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Tires and Wheels

1. Any air filled tires allowed.
2. Any OEM style wheel is allowed, small wheel center adapters are allowed.
3. Valve stem protectors are allowed, 2" bead lip protectors are allowed.
4. No zip screwing rims to tire. No bolting rims to tires. No bead locks.
5. Lug nut size may be no bigger than 1 inch.
6. Wheels must be factory car wheels.
7. Wheels may not be reinforced.
8. You may use a "double tire", air only in tires no solid tires.

Doors

1. Doors may be welded a max of 12" per exterior door seam with 2"x1/4" flat strap.
2. Drivers door may be fully welded.
3. Tops of door cannot be welded except for the drivers door.

Trunk lids and Tailgates

1. Trunk lids may be welded up to 12" per seam with 2"x1/4" flat strap.
2. Trunk lids may be tucked in (50% in stock location).
3. Trunk lids must be mounted the exact way it came from factory.
4. Tailgates may be welded 12" on left and right vertical seam.
5. Deck lids may be welded 12" per "line" an entire deck lid assembly will have 4 lines total, call if have questions.
6. Trunk lids and decklids must have a 10" X 10" hole for inspection.
7. No cutting or folding quarter panels in behind the tuck must remain stock in the upright position.

Hood

1. (x4) 1/2" chains or 4 hood bolts may be used to attach the hood you cannot use both.
2. Chains 1/2" material max, may be no longer than three feet, Chains may go from the hood to the bumper. No welding washers to the body for chain go through.
3. If using bolts you may have x4 plates with 1" dia. All thread or bolts going threw the hood with 6"x6"x1/2" washers on top, bottom side plates may be welded to fenders only and cannot exceed 6"x6"x1/2" material.
4. A hole is required in hood above the carburetor in case of a fire.
5. No welding/ Bolting the inner to the outer of hood.
6. Hood must open for inspection

Bumpers and Brackets

1. You may use any factory style bumper or a 6"x6"x1/4" square tube bumper.
2. You may weld a 6"x6"x1/2" bumper mounting plate that must be welded from face of bumper to front face of frame.
3. You may add a 10"x4"x1/2" bumper bracket, bumper bracket may be welded on any exterior side of the frame plate must start at the bumper mounting plate, you may have up to x1 teepee per bumper bracket no taller than 1/2".
4. You may use a piece of 2"x4"x1/4" square tubing instead of plate but you cannot use both.
5. If using a factory 5mph style bumper it cannot be reinforced at all, other than the chrome being beaten down and welded with one single pass.
6. You may weld x2 pieces of 36"x2"x 1/4" flat strap or 3/8" chain from the top of the radiator support to the bumper

Engine, Cradle and Transmission

1. Engine swaps are allowed. Engine setbacks are allowed no further than Stock firewall location.

2. Lower motor ½ cradles are allowed cannot be further back than ½ way past the oil pan. Cradle may not tie into any other part of motor except cylinder heads and engine mounts. Cradle may only be welded to cross member a total of a 6"x6" square. (call if you have questions)
3. Transmissions may have a **Aluminum** ultra bell only, you may also have a steel tail shaft, steel trans pan.
4. You may have x1 head strap per side of engine, may be a max material of 2"x2"x1/4" tubing and may be welded to top side of frame no further forward than 3" in front of the a frame.
5. Slider drivelines are ok.
6. You may cut a hole, 12"L X 12"W in the fire wall for the distributor. Hole must be properly covered.
7. No distributor guards are allowed. No Header protectors are allowed. No Carburetor protectors are allowed.
8. Electric fuel pumps are allowed, must have a shut off/kill switch for fuel pump.
9. Transmission coolers are allowed.
10. Homemade cross members are allowed maximum 2" X 2" X ¼" inch thick square tubing. Only bolted or welded to the frame of car.
11. Aftermarket gas or brake pedals and cable shifters are allowed. May only be bolted to the floor. Cable shifter may be bolt to the floor or transmission.

Radiator and AC Condenser

1. Radiators must be stock automotive radiators. Radiators must be brass, copper or aluminum.
2. No homemade steel radiators or steam tanks.
3. Radiator must be in stock position. Radiators may not be welded in.
4. No radiator protectors.
5. You may only use one "passenger car" type AC condenser in front of the radiator, if used.
6. The AC condenser may be bolted with x4, 3/8 bolts, with washers no bigger than 1 inch or may be wired in.

Safety/ Passenger

1. Full face helmets are required.
2. Minimum of 1 lap belt is required. Four-point harnesses are allowed.
3. Long sleeve shirts and pants are required. No short sleeve shirts or shorts are allowed.
4. You must have a fire extinguisher on hand in pits.
5. Passenger must have a securely mounted seat in the front passenger area. Must also have function seat belt and hand hold designated.
6. No alcohol, firearms, or drugs are allowed in the pits. Zero tolerance. Driver and pit crew will be escorted off grounds without refund.

Disqualifications

7. Teaming will result in disqualification for all parties.
8. Sandbaggers will be warned first time with flag; second time will result in disqualification.
9. Driver door hits are not allowed, first time will be a flag warning, and second time will result in disqualification.
10. We have a 2-fire rule. Will be discussed at driver's meeting.
11. If cars do not pass re-inspection after main event, it will result in disqualification.
12. Unsportsmanlike conduct WILL result in disqualification.
13. Being timed out for more than 2 minutes, you will be required to shut off and getting your stick broken.
14. Driver and or Pit Crew consuming alcohol OR fighting in pit area at any time will not be tolerated. Driver and pit crew will be escorted off grounds without refund.
15. Unsportsmanlike conduct to any officials or drivers will NOT be tolerated Driver and pit crew will be escorted off grounds without refund.
16. All Drivers must review Driver rules prior to participating.

