

## **2020 Auto Cross Vehicle Rules**

**Race Day- Saturday, March 28th, 2020 - 1:00pm**

**Pits open at 9:00 am and close at 12:00 pm. NO wristbands will be given out after 12:00 pm. Must be 18 years of age to enter the pits. NO EXCEPTIONS!**

**PLEASE READ ALL RULES - SOME HAVE CHANGED!**

### **NEW ADDITIONS/CHANGES for 2020 RULES**

- Autocross and Compact Demolition Derby rules have been separated. These are the Autocross rules.
- Race car style window nets (aftermarket only, nothing homemade) are **MANDATORY** on driver's window

### **Car Prep**

1. **102" (inch) WHEEL BASE Maximum** (102" is measured from the center of the front wheel to the center of the rear wheel)
2. **NO MID-SIZE VEHICLE, NO VANS.**
3. **4 or 6 CYLINDER ENGINE ONLY**
4. No 4-Wheel drive or all wheel drives. No pickups or Sport Utility Vehicles ( Front or Rear wheel drive cars OK)
5. Doors may be welded shut or chained. All chain must be at least ¼" minimum – ½" maximum. 2 chains per door and 4 on hood. Hood may have four 1" bolts instead of chain. Chain may not be welded. **BOLTED ONLY.**
6. Brace behind driver's seat is **MANDATORY** from side to side. (Drivers door to passenger door brace may be a maximum of 10" (inches) in diameter.)
7. High density foam padding required in driver door and interior steering wheel (example, boogie board or seat cushion); highly recommended on all areas within reach of driver to minimize impact injuries (example, steering column, door posts, etc.)
8. Minimum Cage Requirements – 1.5"x.095 round tube single rollover bar, with a crossbar behind the seat at shoulder level, and angle brace bars from shoulder level to floor in each front door. See diagram of cage requirements, last page on these rules.
9. All **GLASS**, side chrome and flammable material must be removed. **Glass cannot be rolled down, it must be removed.** Rear seat must be removed. This must be done before bringing vehicle to the event.
10. Front glass windshield **MUST BE REMOVED** and replaced with metal wire screen. Screen must be ½"x ½" minimum or 1"x1" maximum openings. **MINIMUM 2 VERTICLE BARS MANDATORY IN WINDSHIELD OPENING, "IN FRONT OF DRIVER"**. Welded to the top and bottom of the windshield opening.
11. **Driver's Window** - Race car style window nets (aftermarket only, nothing homemade) are **MANDATORY** on driver's window to prevent exposure to elements outside of vehicle during event. Quick releases **MUST** be in place so driver could quickly exit the vehicle in case of fire or roll-over.
12. A spark arrester or air cleaner must be on the carburetor. No oil type. It is also **MANDATORY** to have at least a 10"(inch) hole cut in the top of the hood above the carburetor.
13. **No** adding weight to the vehicle at all, such as packing the trunk, doors, etc.
14. If your car is rolled on its side or roof during the derby and is pushed back over by another car, you may continue to race, however, **NO** person shall enter the arena to push your car over. An official may also disqualify it from the race if it is not considered safe to continue for any reason they see fit.

15. There will be no building of vehicles in pit or derby area. (Please do them at home!)
16. All vehicles must exhibit the ability to stop before entering the derby arena.
17. NO chains or U-bolts allowed around body to frame on any vehicle. If chain is needed after heat for repairs, officials must OK it **before** entering arena. **No Exceptions!**
18. **NO RIGID SUSPENSION.** No coil to leaf conversions. Only stock automobile shock and springs. No pipe ON front or rear of vehicle to be used as shocks. NO extra leafs: tape or any welding on springs allowed. **ONLY STOCK AUTOMOTIVE SHACKLES WILL BE ALLOWED. LEAF SPRINGS MUST BE STOCK LENGTH. NO SHORTENING OF LEAF springs allowed. NO bolting A arms to frame to raise car. Officials decisions are final.**
19. NO TRAILER HITCHES. NO OBJECTS PROTRUDING OUTSIDE OF THE VEHICLE.
20. Stock gas tanks may remain in stock location and be used. Fuel Cells **HIGHLY RECOMMENDED.** You cannot move the OEM tank to the inside of the car. Gas tank must be a safe container designed to hold fuel (High impact boat tanks or fuel cells) and must be securely strapped with metal straps in the center of car and behind driver seat. Insure no movement or leaks. Metal tanks and enclosures are preferred. No homemade gas cans. No plumbers tape. All hoses must be double clamped and all lines encased in some form of outer conduit to insure that no fuel leaks inside driver's compartment in case of leakage. A gas cut-off valve must be installed at the fuel cell/gas tank. Must be able to withstand impact and rollover. NO pressurized lines or fuel pumps allowed inside the driver's compartment. Fuel injected vehicles are NOT recommended and require prior approval to insure safety. Fuel tank to carb needs a shut off valve at the tank, preferably within reach of the driver. Electric pumps should be mounted in the engine compartment with shutoff on the dash or dash cross point.  
Fuel line – NO unwrapped flammable fluid lines in driver compartment; this includes gas, oil, and ATF. No oil coolers inside driver compartment.
  - Fuel lines running inside driver's compartment MUST be contained within conduit and painted red. All hose ends must be doubled clamped.
  - Fuel pumps must be secured and covered to protect from impact with debris and catastrophic failure.
21. Batteries can stay in the original location, but strapping the battery is mandatory. If you choose to move the Battery, it must be moved to the inside of the vehicle and secured in a battery box to protect the driver. Batteries must be securely bolted to the front passenger floorboard of the vehicle. No restriction on battery size. (Two-battery maximum). **NO WOODEN BOXES OR PLASTC MILK CRATES MAY BE USED TO HOUSE BATTERIES. NO PLUMBERS TAPE ALLOWED.**
22. Body to frame hardware and bushings must be OEM stock. Frames must be in OEM condition on any/ all vehicles.  
\*\*\*OEM means: Original Equipment of Manufacture.
23. Radiator must be stock automotive and in original stock position. Radiator protection will be allowed, 1 cross bar and 2 down bars.
24. Firewall must be stock with NO LARGE HOLES. Cover them up!
25. Approved safety helmets and seat belts are required and must be worn during the entire event. Helmet must be DOT approved. Snell Sticker must be intact at inspection (SA 2005 or newer). Full face helmet required.
26. Full back aluminum race seats are recommended. Seats must be fully supported by and securely attached to a metal framework. All seats or framework must be securely mounted at 6 points minimum (4 on the bottom, 2 on the back) to the frame, roll cage and/or floor. It is recommended that seats and seat belt mountings be attached to the roll cage only. Head rests are mandatory.
27. All cars must be equipped with a 4 point harness, with 2 shoulder straps and a lap belt; this harness assembly must be securely bolted to the floor and/or frame. A competition-type 3 inch wide lap belt and 2 inch wide shoulder and crotch belt with a single point quick-release. 5-point harness is highly recommended.
28. ALL STATION WAGONS SPARE TIRE COMPARTMENT LID AND ALL SEATS, EXCEPT FRONT SEAT , MUST BE REMOVED.
29. **Car numbers must be 18" on both sides and on top of the car. Cars must have 18' x 18' sign on top for numbers so scorekeeper can score points. Use contrasting paint from color of car,**

**so number is visible and readable to officials and announcers. First registered car number will get that number. NO "X" or letter may be used. NO PROFANITY ON CAR!**

- 30. 15" maximum tire size. No forklifts tires. Load range D- DOT Approved tires. No studded tires.
- 31. **NO FULL SIZE BUMPERS CUT DOWN TO FIT!**
- 32. **ALL VEHICLES MUST TECH TO RULES (Previously ran vehicles included!)**

#### **General-**

- 33. Adherence to the rules and safety will be done via driver's consensus; however, Official's make final decisions. Any driver has the right to inspect any car. Protests must be filed with an official in writing in a timely manner along with \$100 cash bail; money returned if complaint found to be valid. Only Drivers are allowed to protest. Protests must be filed in person at the event; no protests allowed more than 10 minutes after heat involving infraction. Each car may require sign off from a randomly selected driver during tech. Any car modified after tech will be disqualified. Cars will be inspected before, after, and during the race. **OFFICIALS DECISION IS FINAL.**  
Note: Whining will not be tolerated. Drivers are responsible for pit crew. Excessive disturbance by any member of a team will be grounds for disqualification and removal.
- 34. No lewd language, drinking, drugs, firearms, or fighting in the pit area. (ZERO TOLERANCE)

#### **Basic Race Rules-**

- 35. During the race, it is "every man for himself" (or "woman for herself" ;-). Team atmosphere in the pits is highly encouraged, but obvious team driving and sandbagging will **NOT** be tolerated as it has a negative impact on the quality of the show for the fans.
- 36. **DO NOT HIT DRIVER'S DOOR.** Driver must do everything within his power to avoid contact with competitor's driver door. Intentional driver door contact and reckless driving resulting in substantial driver door impact will warrant an immediate black flag.
- 37. Driver must remain in control and pay attention to the flagmen at all times. The red flag indicates an emergency; driver's must come to a complete stop. Any car failing to stop at the red flag will be disqualified.
- 38. Driver's must stay in their cars with helmet and seat belts on and fastened until the derby is over or it has been stopped and it's safe to exit vehicles.

#### **Competitor Information-**

- 39. All participants realize that this is can be an inherently dangerous sport. These rules are designed to make the event as safe as possible,. There is **NO** expressed and/or implied warranty or safety assurance resulting from the publication, or compliance with, these rules and regulations. All participants and crew members assume **ALL** liability and will be required to sign a liability release form.
- 40. Auto Cross participants will receive One (1) all access armband for the driver along with Two (2) all access armband for crew members. Additional passes can be purchased at the gate for \$20.
- 41. All competitors and crew must attend the race day meeting. Time determined day of race.
- 42. **Pits open at 9:00am and close at 12:00pm on race day.**
- 43. After tech, there is to be no further modification of car. If caught, you may be disqualified or not permitted to run and the car must be re-teched. Only 'tuning' of car is allowed.
- 44. If your vehicle fails tech inspection and is deemed unable to race, there is **NO REFUNDS. NO EXCEPTIONS.** Tech inspectors are available to answer questions until race day. These visits are as a courtesy to you.
- 45. Signing the entry form and paying the entry fee implies a total understanding of all rules in regards to this event.
- 46. Note: These rules may be amended at any time in the interest of safety, up to and including the day of the race.
- 47. **Registration is \$100.00 up until 3/1/20, after that entries increase to \$150 up until 3/27/20, Race Day Registration is \$200.00, NO EXCEPTIONS!!!**

**\*\*If you, or someone you know has any questions about the rules and/or regulations contained in this booklet, please feel free to contact Johnny Troesch or Payton Zamrzla.**

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*Special Notice*

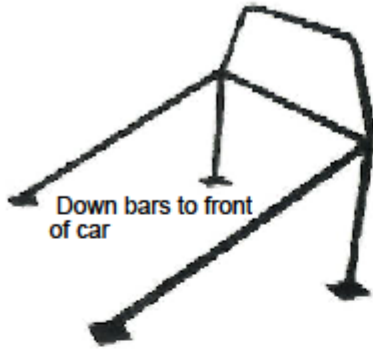
All decisions of the officials and/or management of the Antelope Valley Fair, and/or the Race Safety Committee shall be considered final. The spirit and intent of these rules, with the safety of all drivers in foremost in mind, shall prevail. The Antelope Valley Fair Management reserves the right to limit the number of entries. Further, the Fair Management reserves the right to impose such other new rules and/or requirements as may be required by the State of California, or the insurance carrier after the publication and dissemination of the above rules and this application prior to the race event commencement, without liability to the drivers, car owners and sponsors. It is the entrants responsibility to furnish the Fair, along with this application, the correct sponsors and drivers name for program purposes, and the Fair assumes no responsibility for any inaccuracies that may occur. Car numbers will be assigned by the Fair, after receipt of your application. Car numbers requested are not guaranteed until the Drivers Meeting.

**NO** beverages, containers or coolers of any kind will be allowed in the infield or pit areas. Possession of alcoholic beverages in the infield or pit areas will be cause for immediate disqualification by the officials, including driver, crew members, etc. Entrance fee will **NOT** be returned. Obscene words, emblems, symbols, etc. fastened to or on the vehicle, including tow vehicles, will not be allowed and may, at the discretion of the officials, be grounds for disqualification. The race official, in lieu of disqualification, require the painting out or removal of such at any time. Your cooperation in keeping this family entertainment is requested.

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Auto Cross and Demo Derby Roll Bar Diagram

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Minimum Requirement



Legal to use but not required