

MODIFIED FULL SIZE VEHICLE

2019 Demolition Derby Rules

Race Day – Motor Mayhem is on Saturday, March 23rd, 2019 – 1:00 pm

Pits open at 8:00 am and close at 11:30 am. NO wristbands will be given out after 11:30 am. NO EXCEPTIONS!

PLEASE READ ALL RULES - SOME HAVE CHANGED!

NEW ADDITIONS/CHANGES for 2019 RULES

- Snell 2005 or newer full face helmet is required.

Vehicles

1. Open to all foreign or domestic made passenger cars and wagons.
 - NO vehicles with OEM weight less than 3,000 lbs.
 - NO wheelbases less than 102"
 - NO convertibles, trucks, vans, hearses, limos, or ambulances or cars converted for other uses.
 - NO all-wheel drive cars. Two wheel drive only.
 - NO cars running on Propane, CNG or ethanol.
2. Cars MUST be able to withstand the dangers associated with this event, including: Roll-over, Driver door impact, Fire, Track debris
3. NO RESTRICTION on 1969 full size Chrysler, dodge or Plymouth vehicles or Imperials.
4. Framed cars with carbureted engines are preferred, but Unibody and Fuel injected cars are OK.
 - Please notify officials in advance of event if you are considering running a unibody or fuel injected car, they may require additional modifications to insure driver safety.

Interior

1. Door trim and upholstery - Remove and strip all combustibles from interior, including rear seat, carpet and headliner. Dash may be left fully intact. NO sharp points or objects within reach of the driver. Car MUST be clean inside.
2. Safety Bars/cage – Only bars added for driver safety within the driver's compartment are allowed. Mandatory for all cars to have a brace bar from side to side, located behind the driver seat. Brace MUST extend from door ledge to door ledge, lower than driver's shoulder. Use one pipe, minimum 2 inches in diameter and .090 thick; round or square. Weld pipe ends to flange plates, not to exceed 12"x12"x1/4" thick. Flanges MUST be welded securely to interior or sandwiched/bolted through to external flanges.
 - Driver's door bar highly recommended (Modified class cars CANNOT run the Stock class Fig8)
 - 4 point cage for all cars is highly recommended.
- Cars MUST be capable of safely rolling over; vertical posts and halo bars OK. Additional bracing may be added for driver protection. Bracing for ONE rollover hoop (round or square) may extend outside drivers compartment. Bracing and interior (Roll) cages are for driver's safety only, not for competitive advantage.
3. Seat - Drivers seat MUST be securely fastened. Bolted or welded to floor and strapped to cross member.
 - A good aluminum racing seat with padding is highly recommended.

4. Seat belts - Belts for the driver MUST be at a minimum Factory type and shall include a shoulder belt, be in good serviceable condition, and not weathered. Officials will have final say on the condition.
 - 4 point harnesses OK.
5. Fire extinguisher required - MUST be in working order, within reach of driver, and securely mounted to prevent accidental dislodge.
6. Holes in firewall and floor - All holes larger than 1" MUST be covered with sheet metal. Smaller holes can be covered with aluminum type tape. (This is the most common reason for failing tech)
7. Gas Tanks - More than likely the stock gas tanks MUST be removed. You cannot just move the OEM tank to inside of the car. Gas tank MUST be a container designed to hold fuel with hose connections.
 - Recommend using ONLY impact-proof boat style tanks or fuel cells.
 - NO homemade gas cans.
 - Maximum capacity for fuel tank is 10 gallons
 - Relocated tanks MUST be securely strapped (metal straps only) near the center of car and behind driver seat. Plumbers tape allowed, but not recommended.
 - MUST insure no movement or leaks.
 - MUST be able to withstand impact and rollover.
 - A fuel cut-off valve MUST be installed within reach of driver.
8. Fuel pumps - Electric pumps are recommended to be mounted in the engine compartment with a shutoff switch on the dash. If mounted inside the car, they MUST be secured and covered to protect from impact with debris and catastrophic failure.
9. Fluid lines through Driver's compartment - NO unwrapped flammable fluid lines inside car - which includes gas, oil, and ATF.
 - Fuel lines running inside driver's compartment MUST be contained within conduit and painted red.
 - Other lines within car should be encased in some form of outer conduit to insure that nothing can leak inside driver's compartment. Wrapping transmission cooler hoses in Duct tape or Aluminum tape is ok.
 - Recommend all hose ends be double clamped.
10. Coolers - Heater cores MUST be disconnected from cooling system if left in dash. No engine oil coolers allowed outside engine compartment. Transmission cooler installation inside engine compartment is preferred. If mounted inside passenger foot well:
 - Recommended to be pre-approved to insure safe installation
 - MUST be securely mounted away from driver
 - Completely encased in a sealed box
 - Any line connections should be within the box
11. Battery - Batteries MUST be moved to passenger compartment and securely enclosed in a leak proof enclosure. Aftermarket battery boxes highly recommended.
 - Maximum of 2 batteries.
 - Enclosures MUST be securely fastened to floor. Angle iron style brackets preferred.
 - Batteries MUST not have any movement. MUST be able to withstand impacts and rollover.
 - MUST be covered with a lid. OK to secure lids with Seat belts, bungee cord, chain, or rope.
 - Welding lead style quick disconnects recommended on positive cable.
12. Engine kill switch required - Stock ignition is OK. ON/OFF MUST be clearly labeled.
13. Door Foam - High density foam padding required (example: boogie board or seat cushion) in driver door and in center of steering wheel. Highly recommend "pool noodles" on all tubing and body edges within reach of driver to minimize impact injuries.

Exterior/Body

1. External glass and plastic - All windows, headlights, turn signals, body trim and Landau tops MUST be removed. No decorative fabric, carpet or other flammable materials allowed to remain.
2. Driver door - Although driver's door hits are punishable by disqualification, they do happen. To reduce risk, extra reinforcement should be considered
 - Reinforcement is only allowed for the driver's side/door.
 - Steel plate or tubing is allowed inside door cavity. For safety, not competitive advantage.
 - Any reinforcement should not protrude past original opening (No more than 3 inches)
 - Absolutely no sharp edges allowed within reach.
 - Door MUST at minimum be chained front and rear
 - Alternatively seams may be fully welded.
3. Driver's Window - Race car style window nets (aftermarket only, nothing homemade) are highly recommended 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.
4. Hood, Trunk, and Passenger Doors – Welding, bolting, or chaining is allowed for securing doors.
 - Doors MUST be secured with at least 2 chains, one at each latch.
 - Chain diameter cannot be less than 3/16" diameter.
 - Hoods and trunk lids if chained shut; 4 chains max per hood/trunk.
 - Max length of each chain is 48 inches, ½ inch max diameter.
 - Hood, trunk, and doors can be bolted instead of chaining.
 - Hood and Trunk cannot be welded shut, they will need to be opened during tech inspection.
 - Hood MUST have fire extinguisher access to both sides of engine (min. 4 inch holes)
5. Windshield - Glass MUST be removed. Safety bars (Min 1, Max 3) MUST be added.
 - Bolt/screw/weld heavy duty flatbar post from dash/firewall to roof.
 - Heavy duty (22ga) wire screen or expanded metal (in front of driver) is mandatory.
 - Screen MUST cover no less than 1/3 of the windshield opening.
6. Numbers/Lettering - All vehicles MUST have their registered numbers on both sides, and top of vehicle.
 - A vertical, two sided number plate is required on the roof.
 - ALL numbers MUST be minimum 14 inches tall, with a 1 to 2 inch border around them.
 - Numbers MUST BE Black on White background. No fancy Fonts!
 - Numbers should be painted with stencils or cut from vinyl lettering.
 - If we can't see your car numbers clearly, we can't score you!
 - No obscenities on cars. Cars MUST be acceptable for a "family" atmosphere.
7. Tires/rims - ANY size/width tires with any tread design WILL be allowed.
 - All tires MUST be DOT approved.
 - No studded tires
 - Inner tubes OK
 - Filling with water is OK
 - Screwing tire to rim is OK
 - Valve stem protection OK, but MUST not be sharp or protrude from rim.
 - No other reinforcing of wheels allowed.
 - No solid foam filled tires, stacking sidewalls inside or "tire in tire" (one tire per rim).
 - At the end of the event, tires will be inspected closely, and cheaters face disqualification!
8. Bumpers – Only stock automotive bumpers may be used. No excessive replacements allowed.
 - Bumpers may be safety chained on both ends.
 - Chains should have some slack in the links between the bumper and frame.
 - The stock brackets and/or chains may be welded to keep them attached.
 - Additional braces are allowed to be added or welded to bumper.
 - Bumpers cannot extend past the wheels.

9. Body/Frame Modifications - Cars MUST appear as stock as possible.
 - Added (non-stock) reinforcement only allowed for driver safety and protection.
 - Wheel wells may be trimmed. No sharp edges allowed.
 - No frame mounted trailer hitches.
 - No “cosmetic” objects protruding from vehicle.
 - Radiator support: Only ONE added bar allowed in front of radiator, outside the vehicle or within engine compartment.
 - No foreign substances (concrete, steel plates, rebar, etc.) inside frame, any body cavities, or passenger doors.
10. Drivetrain - Modifications will be allowed where manufacturer swaps, or between different models of vehicles has been done.
 - ANY engine and transmission mounts allowed, from any manufacturer.
 - Brakes MUST be in working order.
 - Parking brakes should NOT be disabled
11. Suspension – To be considered eligible for the Stock Class, car MUST be as stock as possible.
 - No welding shocks or adding braces to lock out suspension travel.
 - Limiting chains or straps are OK.
 - Suspension arms MUST be stock appearing. Arms cannot be reinforced.
 - Suspension mounting brackets can be custom fabricated.
 - Coil springs may be wired, chained or bolted. Welding NOT recommended.
 - Suspension modifications will be inspected where a Drivetrain swap has been done.
 - Cars should not be lifted or lowered.
12. Engine bay – Any engine comparable to what was originally in build vehicle, will be allowed.
 - Using other manufacturer’s Engines and drivetrains is allowed.
 - The displacement & number of cylinders should also be close to what was available, and came stock in the model and year of car, that the drivetrain is being swapped into.
 - Switching from fuel injection to carbureted is encouraged.
 - Engine MUST be steam cleaned and free from leaks of any flammable liquids.
 - All cars MUST have a suitable air cleaner or flame arrestor; Carbureted or fuel injected.
 - All cars MUST have two return springs on the carburetor or throttle linkage.
 - All cars MUST use radiator in stock location only. Fans are optional, any type allowed.
 - Exhaust MUST extend beyond driver compartment. Exhaust may come through hood, but MUST extend above top of windshield and point straight up.
 - No nitrous systems, superchargers, or turbos allowed.
 - No systems designed to inject starter fluid, or fuel additives (Filling station fuel only)
13. Pre-Ran Vehicles - No material stronger than stock should be used for repairs. This includes bumper area, frame, steering, suspension, body panel, and radiator supports. No additional welding or material may be added to reinforce frame or body besides those specifically stated in rules above for driver safety. Any cars found with excessive modifications, will be asked to fix or remove them, and will be done via driver’s consensus. Every effort will be taken to allow vehicles to participate, but cannot be guaranteed if car cannot be made safe or seen as fair alongside other entries.

GENERAL RULES - for Driver and Crew

1. Drivers will be held responsible for their pit crew's actions - Excessive use of profanity, intoxication, and objections or interference to official's calls will not be tolerated.
 - No alcohol, drugs, firearms/weapons of any kind, or fighting. (ZERO TOLERANCE)
2. Age Requirements - To receive "all access" Pit area wrist bands:
 - **DRIVERS AND CREW MEMBERS MUST BE 18 YEARS OF AGE**
 - MUST show a valid driver's license or ID card if age is questionable.
 - Everyone MUST sign the Fair approved waiver/release form prior to receiving wristbands and entering the arena/pit area.
 - Wristbands will ONLY be given to those who enter from Gate 6 off of Avenue G-8.
3. Driver Safety -Please consider using the best safety gear available, for your protection.
 - MANDATORY to wear DOT approved Full face Helmet.
 - Snell Sticker MUST be intact at inspection (SA 2005 or newer).
 - MANDATORY to wear Cotton long sleeve shirts, long pants, and gloves.
 - MANDATORY to wear Goggles or approved eye protection
 - Eye protection MUST REMAIN ON while on track.
 - Fire suits, leather boots or fire resistant "racing/driving shoes" recommended.
 - Fire-proof foam neck collars are highly recommended.
4. Tech inspection - Adherence to the Build Rules and safety will be done via driver's consensus. Each car may require sign off from a group of randomly selected drivers during tech. Officials may inspect before, after, and even during an event.
 - After tech, there is to be no further modification of car. If caught, you may be disqualified or not permitted to run if car cannot be re-teched. (Time allowing) Only 'tuning' of car is allowed.
 - If your vehicle is unable to pass tech inspection and is deemed unable to race, you are disqualified. There is NO REFUNDS. NO EXCEPTIONS.
 - Any driver or crew member has the right to inspect any car 'Post tech' and after events.
 - a. If anything is contested - **ONLY DRIVERS CAN PROTEST.**
 - b. Protests can be made to Event Director ONLY.
 - c. Protests MUST be accompanied with \$100 cash bail.
 - d. Protests MUST be filed in person no later than 10 min after event.
 - e. If validated, the money will be returned to driver who protested.
 - f. If by consensus, nothing 'wrong' is found, the protested driver would get the \$100 cash bail.
 - g. Any car found to have been modified after tech (to avoid discovery) may be DISQUALIFIED.
 - Tech representatives will be available to answer any questions, and Tech inspections will also be available to pre-inspect your vehicle up until the day before the event. These visits are as a courtesy to you. Contact the AV Fair or AV Fair Motorsports Committee for more information. See below for contact info.

Basic Event Rules

1. During the event, it is "every man for himself" (or woman...). Team atmosphere in the pits is highly encouraged, but obvious **TEAM DRIVING AND/OR SANDBAGGING WILL NOT BE ALLOWED** as it has a negative impact on the quality of the show for the fans.
2. Two minute rule (Demo Derby) - If you do not move or hit another vehicle within 2 minutes, you will be disqualified. Drivers will be asked to 'pull their flag' and are seen as 'out of contention'.
3. **DO NOT HIT DRIVER'S DOORS.** Drivers MUST do everything within their ability to avoid contact with a competitor's driver door. Also effort MUST be made to avoid hitting vehicles that have 'pulled their flag' or are broken down and 'out of contention'. Intentional driver door contact and/or reckless driving resulting in substantial impacts to vehicles 'out of contention' will warrant an immediate black flag. Any continued 'accidental' hits will be seen as intentional.

4. With or without driver's acknowledgement of warning, the event may be stopped and an offending car **DISQUALIFIED** in consideration of other driver's safety.
5. Driver **MUST** remain in control and pay attention to the flagmen at all times. The red flag indicates an emergency. All drivers **MUST** come to a complete stop. Any car failing to stop at the red flag puts other drivers and safety crew at risk and may be disqualified.
6. Driver's **MUST** stay in their cars with helmet and seat belts on and fastened until the event is over and has been stopped completely before it's safe to exit vehicles.

Competitor Information

1. 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 of safety or 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.
2. In the event of a serious injury during the event, both or all vehicles involved may be impounded and subject to teardown.
3. All drivers and crew members **MUST** attend the race day meeting. Time determined day of race.
4. Pits open at 8:00am and close at 11:30am on race day. **NO** wristbands will be given out after 11:30 am. **NO EXCEPTIONS!**
5. Signing the entry form and paying the entry fee implies a total understanding of all rules in regards to this event, as does signing the release of liability to awareness to all risks involved.
6. Registration is \$100.00 up until February 23rd 2019, after that date, registration increases to \$150.00 up until March 22nd 2019. Race Day Registration is \$200.00. **NO EXCEPTIONS!**
7. Event participants will receive One (1) all access armband for competitor along with Two (2) all access armband for a crew members.
8. Note: Any rules may be amended at any time in the interest of safety, up to and including the day of the event.

***** If you or someone you know has any questions about the rules and/or regulations contained in this packet, please feel free to contact Dave Garcia.**

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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 entrant's 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 alcoholic 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, requires the painting out or removal of such at any time. Your cooperation in keeping this family entertainment is requested.

