

## **2020 STOCK FIGURE 8 RULES**

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

**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!**

**\*\*\*ANYTHING outside of these STOCK build rules \*\*\*  
\*\*\* could classify your car in Modified and NOT stock. \*\*\***

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

- Stock Figure 8 cars can run in the Stock Demolition Derby with minimal changes.
- Driver side window net is **MANDATORY**.

#### **Vehicles-**

1. Open to all other Foreign or Domestic made passenger cars and wagons
  - a. NO wheelbases less than 108"
  - b. NO convertibles, trucks, vans, hearses, limos, ambulances or open wheeled cars.
  - c. NO modified cars that were converted for other uses.
  - d. NO all wheel drive cars. Two wheel drive only.
2. Framed cars with carbureted engines are preferred. Unibody and fuel injected cars may require additional modifications to insure the safety of the driver. Please notify officials in advance of event if running a unibody or fuel injected car.
3. Cars must appear as stock as possible.
  - a. Reinforcement only allowed for Driver safety and protection
  - b. Pre-run cars can not be repaired beyond "stock" specs. to run in Stock Class
4. Car **MUST** be able to withstand the dangers associated with this event, including: Roll-over, Driver door impact, Fire, Track debris.

#### **Interior-**

5. Glass, trim and upholstery - Remove and strip all combustibles from interior, including rear seat, carpet and headliner. Dash may be left intact. Car must be clean.
6. Safety Bars – 4 point cage for all cars is **HIGHLY RECOMMENDED**. 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 bars (2) are Mandatory. 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.
7. Seat – Drivers seat must be securely fastened. Bolted or welded to floor and strapped to cross member. An aluminum racing seat is highly recommended. The required seat belts for the driver must at a minimum be factory type and be in good serviceable condition, not

weathered, and shall include a shoulder belt. Officials will have final say on the condition. A 4 point harness is highly recommended.

8. Fluid lines – 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 double clamped.  
Fuel pumps must be secured and covered to protect from impact with debris and catastrophic failure.
9. Transmission coolers – Stock only
  - a. Outside driver compartment preferred
  - b. If inside driver compartment,
    - MUST be pre-approved to insure safe installation
    - Completely encased in a sealed metal box
    - Must be secured away from driver
    - Line connections must be inside sealed box
10. Battery – The battery must be relocated to the driver’s compartment, but it MUST be fully enclosed in a battery box and securely fastened with metal straps to the floor. 24-volt starting system is optional
11. Fire extinguisher required. Must be in working order, within reach of driver, and securely mounted to prevent accidental dislodge.
12. All holes in firewall and floor must be covered with metal or non-flammable material.  
\*\*\*note: this is the most common reason for tech failure. Please cover ALL holes in floorboard and firewall.
13. Gas Tanks - Stock gas tanks must be removed. 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. 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.
14. Engine kill switch required. ON/OFF must be clearly labeled. Stock ignition is OK.
15. 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.)

#### **Exterior-**

16. Remove all glass, plastic, and trim. No carpet or other flammable material attached to the outside of the car for decoration.
17. Driver door –
  - a. Steel plates or tubing inside door cavity (driver door only). Any reinforcement may not protrude past original opening more than 3 inches; driver’s side only, no sharp edges allowed. This is for driver safety only, not to add competitive advantage.
  - b. Driver’s doors can be welded. This is for the driver’s safety.

18. Driver's Window – A safety approved driver's door net is **MANDATORY**. The net must be securely attached to the roll cage top and bottom. In addition, a quick release mechanism must be installed to allow for emergency exits. Net must be approved for racing; **no homemade nets**.
19. Passenger Doors – All other doors must be secured. With chains, one at each latch (no less than 3/16" diameter).
20. Hood/trunk - Hoods and trunk lids must be chained shut; 4 chains per hood/trunk.
  - a. Chain (4) - Max length of chain is 48 inches, ½ inch diameter max.
21. Hood and Trunk will need to be open during technical inspection.
22. Numbers - All cars must have numbers on both sides of vehicle (min 18 inches) and vertical number plate on roof (min 12 inch numbers). If we can't see your number, we can't score you.
23. Tires - Tires must be DOT approved. Any size/width tires will be allowed. NO STUDED TIRES. Tire height is optional
24. Misc./Other – No reinforcing of radiator support, frame rails or bumper brackets. Radiator protection will be allowed. One cross bar and two down bars allowed (**If you're running the stock demo derby, the radiator protection bars will need to be removed**). Anything more will need to be removed. (Any cars found with non-stock reinforcement or modifications may be disqualified from running the event – subject to a decision by event officials.)
25. Bumpers - may be chained; single wrap only on both ends. Stock brackets only, may be welded to frame. No braces may be welded or added to bumper. Bumpers cannot extend past the wheels.
26. No trailer hitches or other objects protruding from vehicle.
27. Wheel wells may be trimmed. No sharp edges allowed.
28. Rear ends - Stock only. Gears can be welded, no lockers.
29. Suspension – Must be stock. No welding shocks. No truck rear ends. 5-lug only must be automotive type. Trailing arms must be stock appearing. Rear coil springs may be wired only to hold coil spring and MAY NOT be welded, chained or bolted. NO LEAF SPRING CONVERSIONS. Front arm cannot be solid – must have bounce, but must have stock appearance and movement.
30. No material stronger than stock may be used for repairs. This includes bumper area, frame, steering, suspension, body panel, and radiator supports.
31. Brakes - must be in working order. Brake bias valves not allowed.
32. Windshield – MUST be removed.
  - a. Securely bolt/weld heavy duty post from roof to dash/firewall. (Min 1, Max 3)
  - b. Heavy duty wire screen or expanded metal in front of driver is mandatory.

#### **Engine compartment-**

33. Radiator - Stock location only. Fans are optional and any type may be used.
34. Engine and transmission mounts, Must be STOCK.
35. All cars must be carbureted with suitable air cleaner or flame arrestor. If fuel injected it must have an air cleaner.
36. All cars must have two throttle return springs to carb or linkage.
37. Exhaust - must extend beyond driver compartment. Exhaust may come through hood; must extend above top of windshield and point straight up.
38. Engine must be steam cleaned and free of combustible liquids and debris.
39. Hood must have fire extinguisher access to both sides of engine (min. 4 in hole)

#### **Items NOT allowed-**

40. NO additional welding or material may be added to reinforce frame or body besides those specifically stated in rules above for driver safety.
41. NO foreign substances (concrete, steel plates, rebar, etc ) inside frame, body cavities, or doors (exception: steel plates in driver's door OK)
42. NO nitrous, starter fluid, or fuel additives (Filling station fuel only)
43. NO obscenities on cars. Cars must be acceptable for a "family" atmosphere.

#### **Driver and crew-**

44. Helmet - must be DOT approved. Snell Sticker must be intact at inspection (SA 2005 or newer). Full face helmet required.
45. Fire suits **HIGHLY** recommended. **Long sleeve shirts, long pants, and gloves are MANDATORY.** Goggles or approved eye protection must be worn while on the track.
46. Neck support: fire-proof foam neck collars are highly recommended. NO rags or towels allowed.
47. Drivers must be 18 years of age. Valid driver's license is required. The driver's age and license status are to be checked when signing in.
48. Must be 18 years of age to enter the pits. **NO EXCEPTIONS!**
49. Driver and crew will be required to sign the Fair approved waiver/release form prior to entering the arena/pit area.
50. Drivers are responsible for pit crew. Excessive use of profanity, intoxication, and whining will not be tolerated.

#### **General-**

51. Assigned numbers must be a minimum of 4" wide and 18" high, and must be neatly painted with contrasting colors. The numbers must be displayed on the top and both sides of the vehicle. Numbers on the top must read from both driver and passenger side. See rule 32. If scorers cannot read the numbers, you may not win. Also note, numbers will not be assigned until the night of the Drivers Meeting! NO EXCEPTIONS! No numbers are guaranteed until that night!
52. Pits open at 9:00am and close at 12:00pm on race day.
53. 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 within 10 minutes of end of heat or event, with \$100 cash bail; money returned if complaint found to be valid. Only Drivers are allowed to protest. 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.
54. No lewd language, drinking, drugs, firearms, or fighting in the pit area. (ZERO TOLERANCE)

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

55. **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.
56. Driver must remain in control and pay attention to the flagmen at all times. Flagmen will be placed at each end of the track. The official flagman will be outside of the track near the x.

- Green Flag – Starts the race. Cars will be lined up side by side to start the race. Cars must maintain position as designated by the officials. No passing or pulling out of line until they have passed the starting line on the green flag. On restarts, cars must be lined up in the order they were in, nose to tail. On restarts, pole sitter is to set a reasonable pace. Anyone jumping before the green flag will be warned once for the 1<sup>st</sup> offense. If the same car jumps the green flag a 2<sup>nd</sup> time, they will be sent to the tail of the field.
- Red Flag – Danger, race stops immediately. Any car failing to stop at the red flag will be disqualified.
- Black Flag – Pull off the track for consultation from the officials. The black flag will be thrown for drivers that are out of control, hunting cars or excessive hitting.
- White Flag – One lap to go.
- Checkered Flag – End of race.

57. Driver's must stay in their cars with helmet and seat belts on and fastened until the race is over or it has been stopped and it's safe to exit vehicles.

#### **Competitor Information**

58. 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.
59. All competitors and crew must attend the race specific meeting. Time determined day of race.
60. 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.**

Organizer:  
Antelope Valley Fairgrounds  
Email: Jennifer@avfair.com  
(661)948-6060  
2551 West Avenue H  
Lancaster, CA 93536

Johnny Troesch  
j.troesch@westpacroof.com

Payton Zamrzla  
payton@westpacroof.com

#### *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.