

# **Demolition Derby**

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## **Chain & Bang Demo Rules**

1. Any 4-cylinder OR 6-cylinder, two or four door, stock 2-wheel drive hard top car or station wagon with a wheel base maximum of 110 inches. Wheel base is measured from the center of the front hub to the center of the rear hub.
2. NO 4X4s, all wheel drives, t-tops, mini sub compacts, micro or rear engine vehicles are allowed. (Exception: all-wheel drive cars will be permitted, providing front or rear drivetrain is disconnected.)
3. Car must be stock. Stock means manufactured showroom equipped including the same cylinder size, make/model for engine, transmission and differential components.
4. Each car must have the original, complete dashboard. Both front doors MUST be painted white and be free of all lettering. Driver/Sponsor lettering on other areas is permitted if it is in good taste (remember, it's a family show). DOORS: All doors MUST be chained shut
5. BRAKES: All cars MUST have 4 wheel brakes in good operating condition. You must exhibit the ability to stop. Anyone losing their brakes during an event will be disqualified.
6. BUMPERS/ MOUNT: MUST REMAIN STOCK TO YEAR/MAKE/MODEL of VEHICLE. No cutting or bending. You may bolt bumper, limit 4 bolts per bumper. These are the only alterations allowed. Plastic bumpers will be permitted. Plastic bumper covers that appear loose must be removed.
7. CARBURETOR AIR FILTER: MUST be in place.
8. DIFFERENTIALS: Cars with locked, welded, modified posi-traction or modified limited slip differentials are ILLEGAL. to TEST OF STOCK DIFFERENTIAL: With one wheel jacked up and the other wheel on the ground, wheel must rotate 360 degrees with transmission in neutral or driveshaft removed.
9. DRIVER'S COMPARTMENT: Reinforcements are only permitted inside the driver's compartment for safety. Roll cage, 4 point cage/roll over bar or door-to- door bar are NOT permitted. We recommend using chain or a strap to extend behind driver's seat (from door post to door post) to hold seat in case of breakage.
10. ENGINE MOTOR MOUNTS: Engine may be secured to the frame by the stock mount and that does not strengthen any other components.
11. ELECTRICAL UNITS: One car battery (6 or 12 volt only) solenoid, voltage regulator, computer electronics, may be relocated. Battery must be mounted on the front passenger floor, providing it is secured and completely covered. Battery may be installed in a steel case providing the terminal side remains open. All fuses MUST be removed except those controlling ignition, gauges and charging system. All air bags must be disconnected and removed. FOR YOUR SAFETY!!
12. EXHAUST PIPES: MUST remain STOCK and extend beyond the driver's seat. Muffler and converter may be removed. Cars that smoke excessively will be disqualified.

13. FAN BLADE: MUST be a clutch or electric fan and may be of any make or model. Clutch fans MUST be protected by a radiator fan shroud or the fan blade must be removed.

14. FENDERS AND INNER / OUTER WHEEL WELLS: MUST be in place, NO cutting, folding or bending is permitted. Plastic inner wheel wells may be removed.

15. GAS TANK: OPTION 1: Gas Tank can be stock and remain in original position provided that is forward of the rear axle and secured with factory mounts in good condition. Gas line may be replaced with new rubber gas line providing it remains under the car. OPTION 2: Gas Tank may be relocated inside the vehicle. Factory tanks or metal boat tanks are permitted. Metal tanks are preferred. In this case original tank MUST be removed from original position under vehicle. MUST be chained or wired up through the car or to the floor in the back seat. Must be secure. A protective cover (rubber, metal or plastic) no thicker than 3/16 inches, may be placed around the gas tank secured by a chain or wire. (Reinforcement is for the gas tank protection only. The plate or cover cannot be secured to the frame or any other part that would strengthen the car.) No more than 3 gallons of gasoline permitted.

16. GLASS: All glass MUST be removed, including headlights, plastic taillights, bulbs, mirrors and windshield. Broken glass anywhere in the car (doors, body panels, trunk, etc.) must be removed.

17. HEATING/COOLING SYSTEM: Radiator may be bypassed, but MUST remain in original position with no reinforcement. All antifreeze must be drained and replaced with water. Heater system may be bypassed or removed. Freon MUST be removed from ALL air conditioning units per Federal Regulations.

18. HOOD AND TRUNK: Must be in place - FIRE REGULATION - To prevent hoods and trunks from opening, each must be tied down in 3 or 4 positions after inspection. Use no more than 2 strands of COAT HANGER WIRE or 1 strand of #9 wire on each, to prevent them from opening or Two positions may be tied down, each with one (1) 24-inch long by 3/8-inch maximum link diameter chain or smaller. The chains must have 1 link of slack and cannot reinforce any other part of the car. A hole must be cut in the hood 1-foot off the side of the center of the air cleaner and no larger than 8 inches in diameter. Hood and trunk hinges must remain hooked up but all springs must be disconnected.

19. IGNITION SWITCH: (HOT WIRING) Complete ignition switch may be relocated and/or altered providing key or toggle switches are accessible within 16 inches of the steering wheel.

20. INTERIOR/EXTERIOR: ALL carpet, visors and both rear seat cushions MUST be removed. (Front passenger seat must remain in place.) It is recommended that driver's door panel upholstery be left in place, driver's side padding is required. Fiberglass/plastic front/rear clip and grill parts and all loose materials, mirrors, wheel covers, sharp hood ornaments, trailer hitch/hitch brackets and all soft chrome molding MUST be removed. All dirt and loose pieces of glass MUST be swept / vacuumed out of car and doors. d. Door handles may be left on the car.

21. ROOF: All sunroofs must have glass removed and covered/fastened with sheet metal of same strength as roof material. Vinyl roof cover may be removed.

22. SUSPENSION: Suspension MUST be factory soft and move up and down freely a total of 6 inches. MUST sit at stock height (maximum 20 inches from the ground to the center of the stock front and rear bumper.) Frozen shocks are illegal.

23. TIRES: a. CAR TIRES ONLY! Any 2-4 ply, original rim size. MAXIMUM TIRE PRESSURE - 35 PSI HOT. Officials must be able to read ALL digits and wording: make of tire, tire size and ply. No LT or truck tires permitted. NO RECAPS on drive wheels. NO INNER LINERS or STUDS. Inner tube is permitted provided they are filled with air only -- NO liquids or solids. ALL wheel weights MUST be removed, including the inside of wheels.

24. TRANSMISSION: It is ILLEGAL to alter or relocate shifting method of transmission from factory stock; however, to stop shifting linkage from coming off, it is recommended to wire, clip, or change linkage to prevent this (NO welding). The transmission lines may be bypassed; transmission cooler must remain under the body/hood.