

**LENOIR COUNTY FAIR ASSOCIATION
2016 YOUTH 4-CYL DERBY RULES / (One and Done)**

CARS PERMITTED: any 4-cylinder, two or four door, stock 2-wheel drive hard top FWD car or station wagon. No rear wheel drives, 4x4s, AWD's, T-tops, mini sub compacts, micro or rear engine vehicles are allowed. Car must be "STOCK". Stock means manufactured showroom equipped including the same cylinder size, make/model for engine, transmission and differential components. No extra welding, pre-bending or strengthening will be permitted, see all exceptions noted below.

CAR APPEARANCE: Both front doors must be painted white. Cars will not be permitted into the pit area unless painting is completed and dry. Driver/sponsor lettering on other areas is permitted if it is in good taste (remember, it's a family show). All lettering and numbers must be neat.

BRAKES: All cars must have brakes in good operating condition.

BUMPERS: Any car bumper maybe used but must not extend past the width of the car. Instead of a factory bumper, you may use a single piece of hollow square steel tube as a bumper and it must not extend 3 inches past the frame width. Maximum size of tube is 3 inches x 3 inches square cross section, ¼ inch wall thickness. Must be one single piece flat across with no contours. Factory or metal skin must be added to appear as a "stock" bumper. Must be mounted using methods described for standard bumper. You may bolt bumper or weld the bumper, we don't like it when bumpers fall off. These are the only alterations allowed. Plastic bumpers will be permitted. Plastic bumper covers that appear loose must be removed. No cutting/bending.

TIRES: Any 2-4 ply, original rim size. Officials must be able to read all digits and wording: make of tire, tire size and ply. No recaps on drive wheels. Donut tires are not permitted on drive axle. All wheel weights must be removed.

STRUTS: May be secured with crossbar welded to each side.

DOORS: Weld, chain, or wire in maximum 3 places per vertical seam. If welding, total of 12" weld per vertical seam permitted (that's three 4" welds per vertical seam for the mathematically challenged, don't test it unless you like cutting in the pits).

DRIVER'S COMPARTMENT: Reinforcements are only permitted inside the driver's compartment for safety. Although a (NASCAR type) roll cage, 4 point cage/roll over bar or door-to-door bar is permitted they are not required. Reinforcement of the cage installed will no way be attached to the floor or frame, nor will it extend more than 12 inches to the farthest point behind driver seat. 4 inches channel or comparable is recommended. Driver's door padding is recommended and must have lap belt in working condition and must be worn. You may add a windshield bar, no wider than 3 inches, chain or cable by welding or bolting to sheet metal skin only.

ENGINE/MOTOR MOUNTS: No transplanted v6's in any car (example, no v6 in a crown vic). Maximum 3.8 liter engine (3800 cc). Engine may be secured to the frame by any method that does not strengthen any other components. No distributor protectors or engine cradles permitted.

ELECTRICAL UNITS: One (1) 12v / 850 cca max battery allowed. Solenoid, voltage regulator, computer electronics, may be relocated, provided they remain under the hood, forward of the front firewall or battery, may only be mounted on the front passenger floor, providing it is secured and completely covered. Battery must be installed, secured properly and covered at all times. All fuses must be removed except those controlling ignition, gauges and charging system. All air bags must be disconnected and removed.

EXHAUST PIPES: Must remain stock and extend beyond the driver's seat. Muffler and converter may be removed. Cars may have stacks a maximum of 12 inches above hood. Holes will be permitted for stacks no larger than pipes.

FAN BLADE: Must be a clutch or electric fan, polycarbonate (plastic aftermarket) fans are also allowed.

FENDERS INNER/OUTER WHEEL WELLS: Must be in place, with exception to allow cutting of front fender from wheel to bumper. Plastic inner wheel wells maybe removed.

GAS TANK: Stock tank must remain in original position (unless otherwise noted by LCFA). Factory tanks located inside the vehicle will not be permitted. Approved gas tanks such as boat tanks must be in the backseat compartment, only unleaded gasoline with a maximum octane level of 93 will be permitted. Boosted or racing fuel will not be allowed. No more than 5 gallons of gasoline permitted. There must be a hole in bottom of stock fuel tank that can easily be seen. 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.) Gas line within the driver's compartment will be permitted, but must have protective covering (such as inside a pipe or hose). If using an electronic fuel pump, it must be located under the hood/body and must shut off with ignition/toggle switch mounted within reach of the driver. Gas tank protector will be approved as long as it's not reinforcing the frame or any other part that would strengthen the car.

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 or the car will not be admitted.

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.

HOOD/TRUNK: Must be in place, to prevent hoods and trunks from opening, you may use all threads through frame for core support only with a maximum size of 3/4 with a maximum of 3 nuts with the top nut having 3 inch rod welded to it for easy removal in case of emergency, also all thread must be cut off flush with top of hood nut (bring your hacksaw). Washers on top of hood maybe no larger than 3 inches in diameter and 3/8 thick. Hood and trunk hinges must remain hooked up but all springs must be disconnected. Fire regulation: one hole is required in the hood for fires, minimum of 12 inches in diameter. Trunk lid may be cut or removed. If kept on car, must have a 12inch hole in trunk lid for inspection. Avoid excessive pre-bending or you will be asked to change it during inspection. No body peening. If in doubt, don't do it. The stock look of the cars is to be maintained.

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

INTERIOR/EXTERIOR: All carpet, visors and both rear seat cushions must be removed. (Front passenger seat must remain in place.) Exception: if front passenger seat is removed, a bar must be installed from the driver's door to the passenger door, directly behind the front seat for extra support. 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 and 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. Door handles may be removed.

STEERING: You may change the steering box, column and steering shafts as many 80 and newer cars use plastic components.

SUSPENSION: No welding of a-arms. Suspension must be factory soft and move up and down freely a total of 6 inches by one man's effort. Car must sit at stock height, (maximum 20 inches from the ground to the center of the stock front and rear bumper.) Frozen and modified shocks are illegal. Tie rods can be welded.

FRAME: There is to be no painting of frames or interior of cars. If you are painting a frame you are cheating and you won't run. Must remain stock, no welding, tilting or plating of any kind is allowed on or inside chassis.

TRANSMISSION: Floor shifters are permitted; however to stop shifting linkage from coming off, it is recommended to wire, clip, tack weld or change linkage to prevent this. The transmission lines may be bypassed; transmission cooler must remain under the hood.

If we believe you are reinforcing something beyond the spirit of the written rules, you will have to make necessary changes to compete. Any major rule infractions found after the show may result in you losing the money for that spot so don't get mad if I make you cut it because I didn't get mad because you reinforced it. "It doesn't say I can't" is an excuse I won't listen to so you better think of a better story now. Any questions please call Kenny Faulkner 252-286-5353 or Reggie Davis 252-560-3669.